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# COMMERCIAL REGISTER
## of the
# UNITED STATES
## for
# Buyers and Sellers

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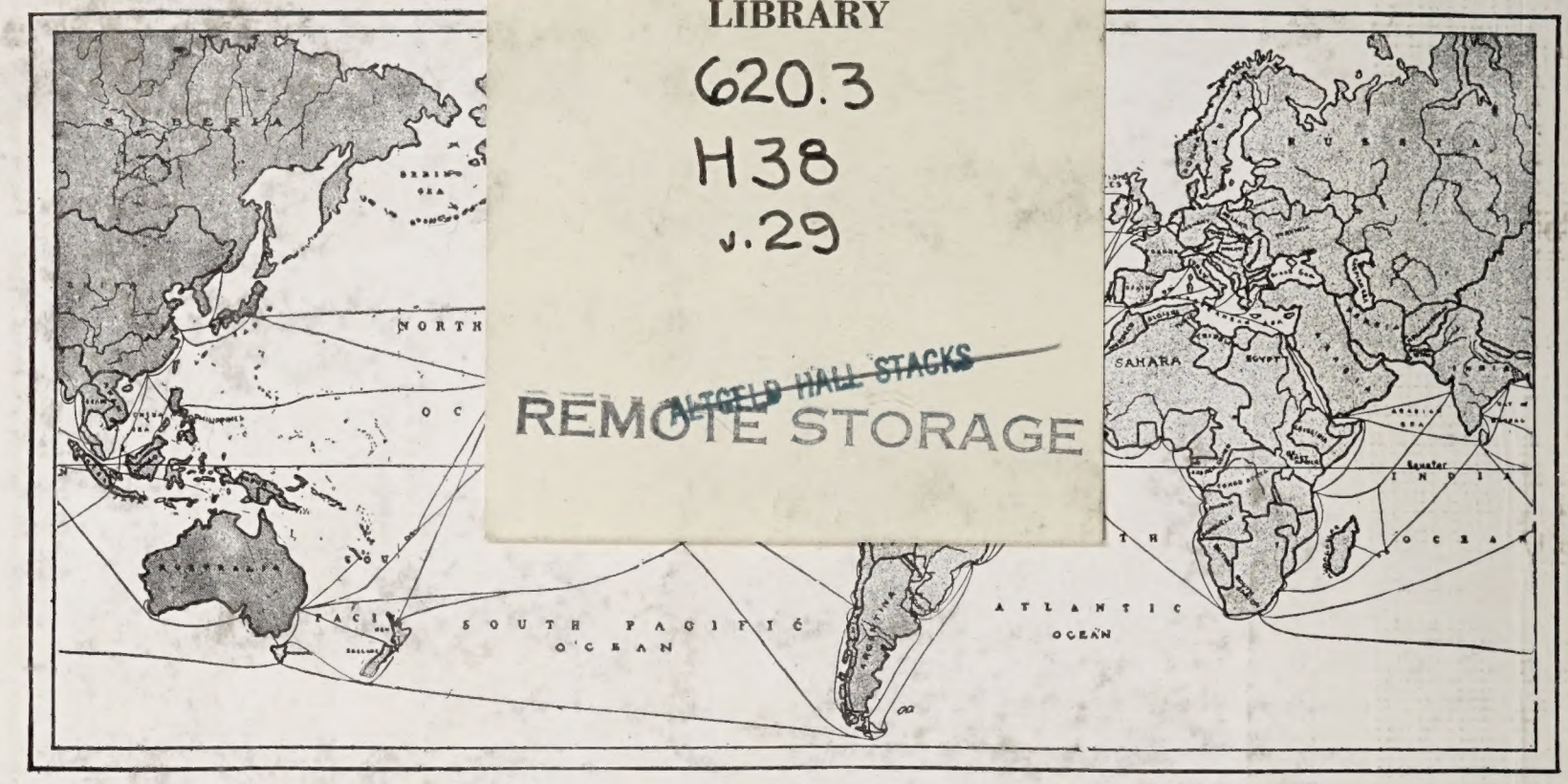


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IN THE FOUR GREAT COMMERCIAL LANGUAGES
ENGLISH, SPANISH, FRENCH and PORTUGUESE

## FOR 43 YEARS

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## Through the

# Manufacturers Record

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### For 38 Years the South's Leading Industrial Weekly

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Out of this is being created a steadily increasing demand for all kinds of materials, equipment, machinery and supplies, making this section a market which is claiming the earnest attention of manufacturers throughout the country.

For over thirty-eight years the Manufacturers Record has been the leading industrial weekly paper of the South and Southwest, and has an established prestige and influence among the important manufacturers, public officials, engineers, contractors and progressive business men generally, in these sections.

The editorial and reading pages of the Manufacturers Record thoroughly cover industrial, commercial, railroad, financial and public improvement questions in a broad, up-building manner that appeals with special interest to the business men.

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**IT GIVES TIMELY AND ACCURATE INFORMATION ABOUT ACTIVITIES OF EVERY KIND IN THE SOUTH AND SOUTHWEST COVERING**

the organization of all companies of consequence, no matter what their line; public and private building projects; coal and other mining enterprises; electric light and power plants; miscellaneous manufacturing plants; bridges, culverts, viaducts, road and street improvements, sewer construction, water works, street and steam railroads, engineering undertakings of all kinds; National, State and private banks and other financial information, bond issues, new securities, etc., and machinery, equipment and supplies wanted.

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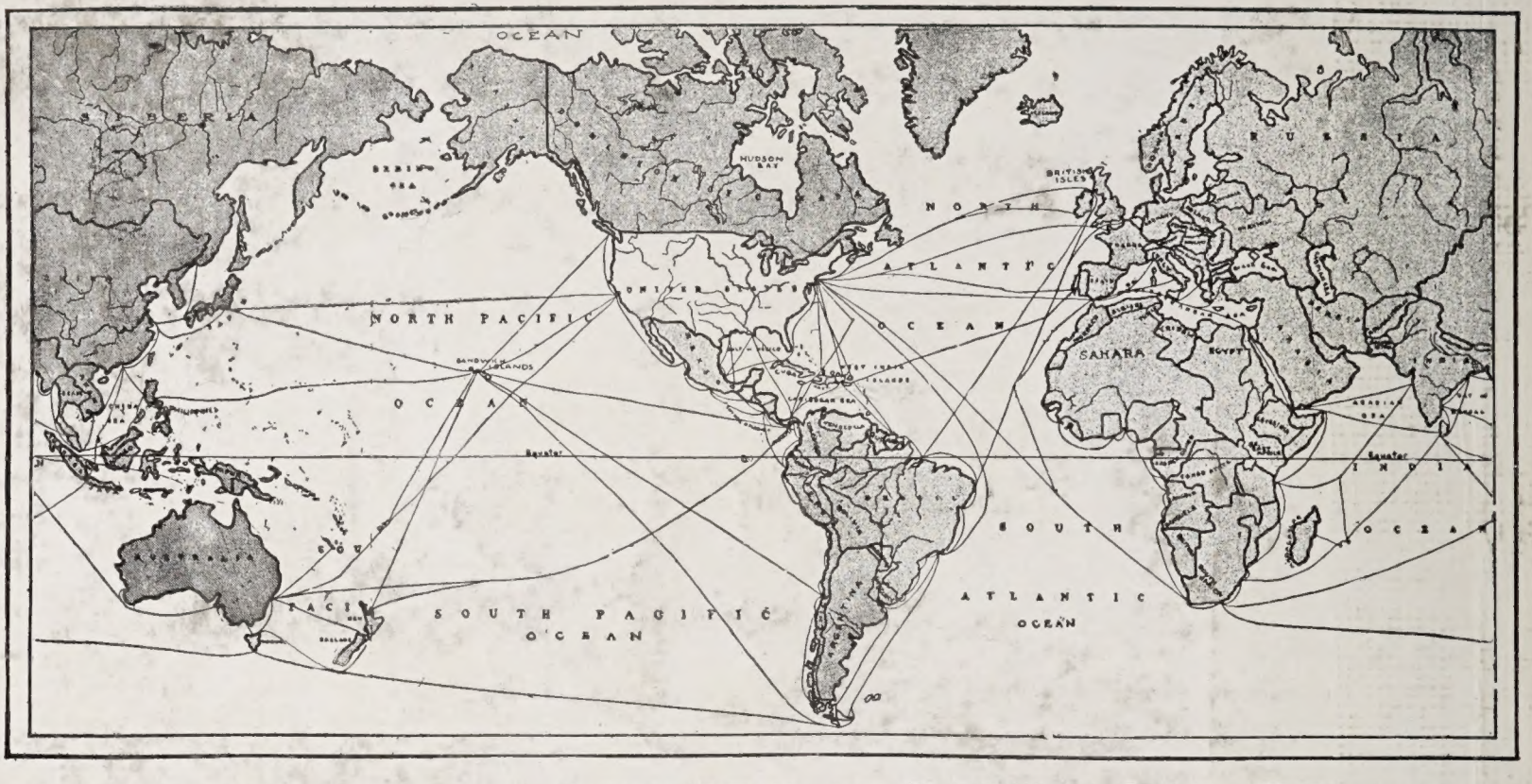


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—represent the most permanent and safest fire barrier investment procurable for openings in walls.

We manufacture a type to meet the requirements of all openings where a sliding or swinging door is adaptable.

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They are fully approved by the Underwriters' Laboratories, and recommended by Fire Prevention Authorities everywhere.

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# VENTILATORS

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The efficient constructural features embodied, enables them to give more cubic feet of air exhaust per dollar invested than any other ventilator made.

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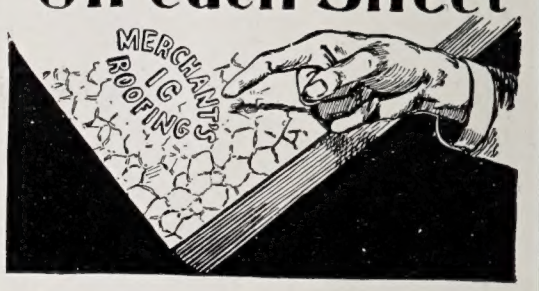


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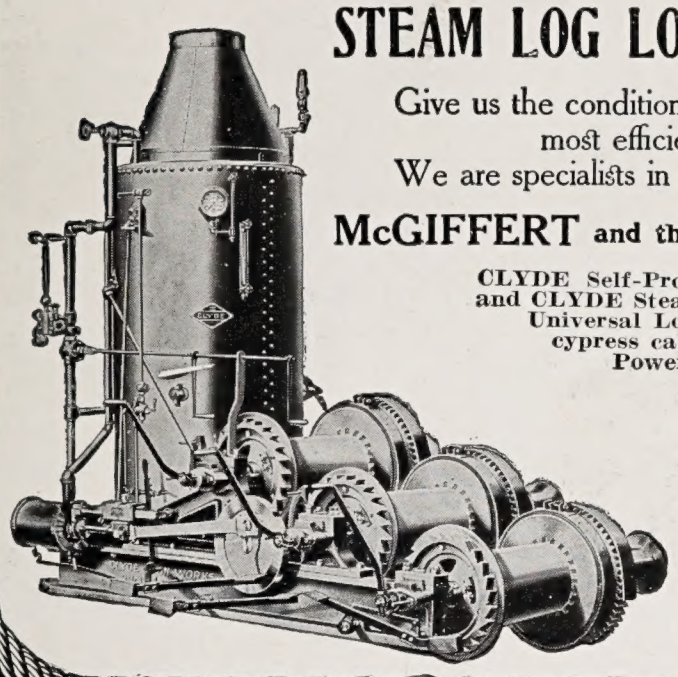

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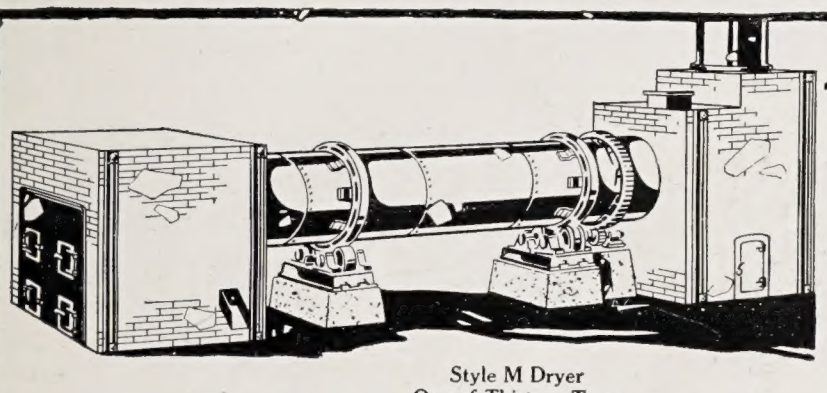

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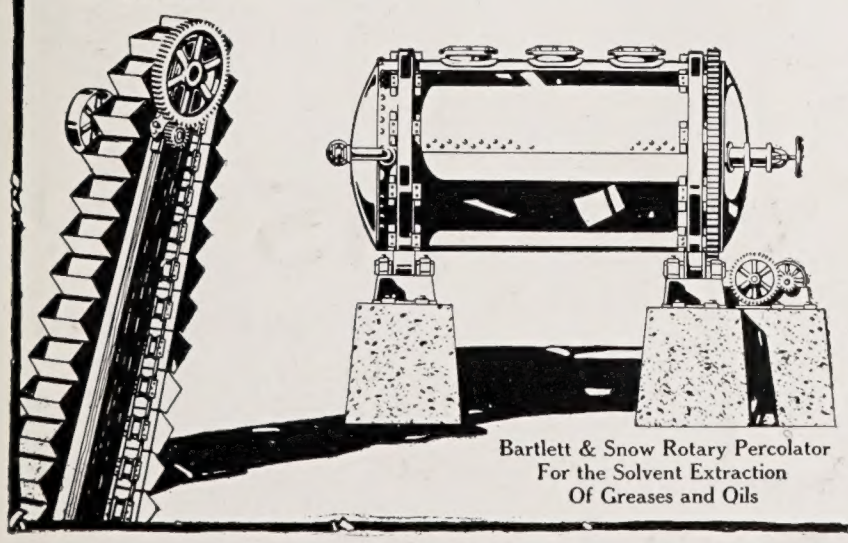

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GARBAGE REDUCTION PLANTS

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ESTABLISHED 1891

TWENTY-NINTH ANNUAL EDITION (1921)

# HENDRICKS' COMMERCIAL REGISTER

## OF THE UNITED STATES FOR BUYERS AND SELLERS

WITH WHICH HAS BEEN INCORPORATED

## "THE ASSISTANT BUYER"

ESPECIALLY DEVOTED TO THE INTERESTS OF THE

ELECTRICAL, ENGINEERING, HARDWARE, IRON, MECHANICAL, MILL, MINING, QUARRYING, CHEMICAL, RAILROAD, STEEL, ARCHITECTURAL, CONTRACTING AND KINDRED INDUSTRIES

A complete and reliable Annual Register of Producers, Manufacturers, Dealers and Consumers connected with the aforesaid industries and with multitudinous others of interest to Buyers and Sellers. Products are listed from the raw material to the finished article, with the concerns handling them from the Producer to the Consumer

***Indispensable as a Buyers' Reference for Contractors, Engineers, Exporters, Government Departments, Jobbers, Manufacturers, Municipalities, Purchasing Agents, Retailers, Architects, and for Factories, Foundries, Machine Shops, Mills, Mines, Plantations and Railroads. Also Valuable for Mailing Purposes***

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# How To Find Information

This volume is compiled for the use of Executives who buy and sell, Purchasing Agents and Sales Managers.

It is divided into five sections as follows:—

1. Index to Trades.
2. Classified Trades.
3. Trade Names.
4. Alphabetical.
5. Index to Advertisers.

## INDEX TO TRADES

When in the Market for any class of material or service consult the "Index to Trades" in the front of the book where will be found the classification number of the product or service required.

*Cross indexing.* In the "Index to Trades" all articles are thoroughly cross indexed, thus High duty pumping engines are indexed under "Engines, pumping, high duty," "High duty pumping engines" and "Pumping engines, high duty," so that however the article is looked for it will be readily found.

## CLASSIFIED TRADES SECTION

Turn to the "Classified Trades Section" and using the classification numbers at the top of the page for guidance, find the desired classification under which the names of the principal firms will be found. Those printed in black faced type or using display space to announce their products or services are especially equipped to fulfill your requirements.

In the larger lists the arrangement is alphabetical by States and Cities, enabling you to select at a glance the names in any section of the country; in the other lists the arrangement is alphabetical for the whole United States.

Products are listed in the "Classified Trades Section" alphabetically according to the noun, except in the case of machinery and textile machinery and supplies, which for greater facility are brought together in two main groups. "Machinery" classifications 7671-9499 and "Textile Machinery" classifications 14993-15489a, under which the various kinds of Machinery are subclassified, each carrying its own classification number.

All firms operating a machine shop or foundry, in addition to being listed under their various products, are again shown in the list of "Machinists and Founders," classification 9502.

## TRADE NAME SECTION

If you require an article manufactured under a special trade name or brand but do not know the name or address of the manufacturer, refer to the "Trade Name Section," where all leading trade names are listed alphabetically, followed by the name and address of the manufacturer.

## ALPHABETICAL SECTION

When you know the name of a firm but do not know where it is located turn to the "Alphabetical Section," where you will find in one list all concerns listed in the book, together with their main product and address.

## INDEX TO ADVERTISERS

When the line "See Adv. Index at end of book" follows any name, a reference to the "Advertisers' Index" at the back of the book will give the page number or numbers on which their display announcement appears, also give their branch offices, if any.

## SERVICE BUREAU

A Service Bureau is maintained for the assistance of users of Hendricks' Register. In case you cannot find what you require write this bureau, which will endeavor to locate the article or manufacturer required and reply promptly. There is no charge for this service to subscribers to the book.

Although every effort is made to thoroughly revise HENDRICKS' COMMERCIAL REGISTER each year, it is inevitable in a work of this size that some errors or omissions creep in. The Publishers will appreciate information as to new firms which should be listed, or ones which should be eliminated, changes of address, etc. The attached post cards are provided to assist in furnishing this information.

*Date*_____

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# INDEX TO TRADE CLASSIFICATIONS

FOR INDEX TO NAMES OF ADVERTISERS WITH THEIR BRANCH OFFICES, SEE END OF BOOK

NOTE.—The cross references following many of the classifications are inserted to draw attention to other branches of business connected with such classifications, and a little study of them will often result in the finding of desired information which at first glance might appear to be omitted.

Many of the names listed under the classifications to which this Index refers are followed by detail matter, trade names, etc. This information is invaluable to buyers and should be closely observed, as it is a special feature of the work. See also separate Trade Names, Brands, etc., Section page 1845.

**Classifications which are marked thus* in the body of the Register are inserted for concerns using this publication for publicity purposes. Other concerns in similar lines of business will always be found under the standard classifications.**

We earnestly hope that all new firms connected with the industries included in this Register will send us their business cards, and thus aid us to maintain our high standards of excellence.

Business changes, additions or corrections for the next edition will be thankfully received and INSERTED FREE OF CHARGE.


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Wire and Flat Springs of every description

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# CLASSIFIED TRADES SECTION

**Classifications marked thus * are inserted for concerns using this publication for publicity purposes. Other concerns in similar lines of business will be found under standard classifications.**

**Note.—The "Index to Classifications" should always be referred to when the desired information is not found in alphabetical order in the following pages. Many articles of a similar nature only appear under one general classification. For example, "galvanized steel sheets" cannot be found under the letter "G," but a reference to the "Index to Classifications" shows them at classification 6715, and when that number is looked at the required information is given under the listing of "Iron and Steel Sheet (Black and Galvanized)."**

## 1— Abrasives

See also Emery & Corundum Manufacturers

Abrasive Mining Mfg. Co., Plymouth, Ind.
Am. Abrasive Co., Westfield, Mass.
Am. Steel Wool Mfg. Co. ("American" & "Ideal"), 45 Greenwich, New York.
Behr, H., & Co., 61 B'way, New York
Bennett-O'Connell Co., 3600 S. Morgan, Chicago, Ill.
Buchanan, Thos., Co., 29 W. 3rd, Cinn., O.
Burns, E., Reed Supply Co., 27 Jackson, B'klyn, N. Y.
Carborundum Co., Niagara Falls, N. Y.
Channon-Hughson Co., 227 W. Erie, Chicago, Ill.
Crown Rheostat & Supply Co., 17 S. Desplaines, Chicago, Ill.
Exolon Co., Cambridge, Mass.
General Abrasive Co., Niagara Falls, N. Y.
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Hampden Corundum Wheel Co., Springfield, Mass.
Handy & Harman, 59 Cedar, New York
Hason & Van Winkle Co., 269 Oliver, Newark, N. J.
**Keystone Emery Mills, 4325 Paul, Phila., Pa.**
Manning Abrasive Co., Troy, N. Y.
Metal & Thermit Corp., 120 B'way, New York. *See adv index at end of book*
Niagara Emery Mills, Inc., 50 Broad, New York, Mills, Lockport, N. Y.
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Norton Co., Worcester, Mass.
Pittsburg Crushed Steel Co., 61st & A. V. R. R., Pittsburgh, Pa.
**Speare's, Alden, Sons Co., 149 B'way, New York**
**Star Corundum Wheel Co., 241 Cavalry av, Detroit, Mich.**
Stiles, H. A., & Co., 97 Oliver, Boston, Mass.
Vitrified Wheel Co., Westfield, Mass.
Washington Mills Emery Mfg. Co., No. Grafton, Mass.
**WAUSAU ABRASIVES CO.,** 118 S. Clinton, Chicago, Ill.
Worcester Abrasive Co. ("Pep"), Worcester, Mass.

## 1a— Abrasives (Sand Blast)

Harrison Supply Co. ("Diamond Grit," "New Process," Chilled Shot), 209 Washington, Boston, 9, Mass.

## 2— Absorbent Traps (Vacuum)

Abbe, Paul O., 30 Broad, New York
Knight, Maurice A., Akron, O.

## 3— Absorption Towers

Chemical Construction Co., Charlotte, N. C.
Graham Chas. Chemical Pottery Works, 986 Metropolitan av, Brooklyn, N. Y.
Lummus, Walter E., Co., 171 Milk, Boston, Mass.

## 4—*Accident Preventers for Machinery

Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av., Milwaukee, Wis.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Lockhart-Hodge Co., Inc. ("Jones" for Wood Working Machinery), White bldg, Buffalo, N. Y.**

## 5—Accident Preventers for Machinery, Presses, Etc.

(For Preventing Accidents to Workmen)
See also Press Attachments for Preventing Accidents

Geuder, Paeschke & Frey Co. ("G. P. & F." Automatic), 1314-1700 St. Paul av, Milwaukee, Wis.
*See adv index & branch offices at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Lockhart-Hodge Co., Inc. ("Jones" for Wood Working Machinery), White bldg., Buffalo, N. Y.**
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.

## 6— Account Register & System

Globe Register Co., 2412 Reading rd, Cincinnati, Ohio
Hainer Bookkeeping Machine Co. ("Hainer"), 45 Williard av, Providence, R. I.
McCaskey Register Co., Alliance, O.
Maxwell Filing System Co., Cleveland, O.
Safe Acct. Register Co., Canton, O.
Simple Account Salesbook Co. (Account Salesbook), Fremont, O.
Thomas-Peter Co. ("Canton"), Canton, O.

## 6a— *Accountants

Holmes E. J. & Co., 110 S. Dearborn, Chicago, Ill. *See adv index at end of book*

## Accumulators (Chloride)

See Batteries, Storage

## 7— Accumulators (Hydraulic)

Allen Machine Co., Erie, Pa.
Alliance Machine Co., Alliance, O.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry, Derby, Conn.
Buckeye Iron & Brass Works, Dayton, O.
Burroughs, Charles, Co., Newark, N. J.
*See adv index at end of book*
Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
Chambersburg Engng. Co., Chambersburg, Pa.
Columbiana Boiler Co., Columbiana, O.
**DUNNING & BOSCHERT PRESS CO. INC.** (Weighted), 379 W Water, Syracuse. N. Y. *See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WKS., INC.,** cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*


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ACCUMULATORS (HYDRAULIC)—continued
Farrel Foundry & Machine Co., Ansonia, Conn.
French Oil Mill Machinery Co. (For Cottonseed & Linseed Oil Mills, etc), Piqua, O.
Hydraulic Press ("H.-P.-M.") Mfg. Co., Mt. Gilead, O.
**KENNEDY VAN SAUN MFG. & ENG. CORP., 120 B'way, New York**
*See adv index at end of book*
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
Mackintosh, Hemphill Co., ft. of 12th, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**MORGAN ENGINEERING CO., Alliance, Ohio** *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Penn. Engineering Works, New Castle, Pa.
Reeves Bros. Co. (The), Alliance, Ohio.
*See adv index at end of book*
Robertson Jno. & Co., 133 Water, Brooklyn, N. Y.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Southwark Fdry. & Machine Co. (Steam), 430 Washington av., Phila., Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Thomas Albright Co., Goshen, Ind.
Tod William, Youngstown, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.
Waterbury Farrel Fdry. & Machine Co., Waterbury, Conn.
**WATSON-STILLMAN CO., 38 Church, New York** *See adv index at end of book*
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Wood Wm. H., Media, Pa.
Woodard Machine Co., Wooster, O.
Worthington Pump & Machinery Corp., 115 B'way, New York
*See adv index at end of book*

## 8— Accumulators (Steam)

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 9— Acetanilide

Fergusson, Alex C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Montcalm Chemical Wks. (Para Nitro), 220 No. Illinois, Indianapolis, Ind.
New York Quinine & Chemical Wks., 135 William, New York.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

## 10-11-12— Acetate Ethyl

Alcohol Products Co. Blanchard, Newark, N. J.
Anderson Chemical Co., Wallington, N. J.
MINER, EDGAR CO., 30 Church, New York.
U. S. Industrial Chemical Co., 27 William, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Acetate of Alumina

See Alumina

## Acetate of Chrome

See Chronium Acetate

## Acetate of Lead

See Lead, Acetate

## 13— Acetate of Lime

Beerston Acetate Co., Olean, N. Y.
Boyne City Chemical Co., Boyne City, Mich.
Buckhannon Chemical Co., Olean, N. Y.
Cadillac Chemical Co. (Grey), Cadillac, Mich.
Clawson Chemical Co., Ridgway, Pa.
Coryville Chemical Co., Bradford, Pa.
Cummer-Diggins Co., Cadillac, Mich.
Florida Wood Products Co., Jacksonville, Fla.
Forest Chemical Co., Sheffield, Pa.
Gray Wm. S. & Co. (Jobber), 80 Maiden la, New York
Heinemann Chemical Co., Olean, N. Y.
Kingsport Wood Reduction Co., Kingsport, Tenn.
Lewis Run Mfg. Co., Bradford, Pa.
McKean Chemical Co., Williamsport, Pa.
Marvindale Chemical Co., Bradford, Pa.
Maryland Wood Products Co., Bradford, Pa.
Mashek Chemical & Iron Co., Wells, Mich.
Newton Chemical Co., Olean, N. Y.
Noble Electric Steel Co., 995 Market, San Francisco, Cal.
Norwich Chemical Co., Crosby, Pa.
Nusbaum Chemical Co., Bradford, Pa.
Oswayo Chemical Co., Bradford, Pa.
Otto Chemical Co., Williamsport, Pa.
Russell Chemical Co., Ltd., Russell, Pa.
Smith A. B. Chemical Co., Buffalo, N. Y.
Sullivan Chemical Co., Acidalia, N. Y.
Treyz G. I., Cooks Falls, N. Y.
Wyman Chemical Co., Port Alleghany, Pa.

## Acetate of Soda

See Sodium, Acetate

## 14— Acetic Anhydride

Dow Chemical Co. (85% to 90%), Midland, Mich.
Warner Chemical Co., 52 Vanderbilt av, New York

## 15— Acetine

Bischoff C. & Co. (Imp), 451 Washington, New York

## 16— Acetone

Albany Chemical Co., Albany, N. Y.
Cleveland-Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Erkenbrach Geo. A. Co., 115 Maiden la, New York
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Gray Wm. S. & Co. (Jobber), 80 Maiden la, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Mashek Chemical & Iron Co. (Metnyl), Wells, Mich.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Seaboard Chemical Co. (Methyl), Blanchard, N. J.
U. S. Industrial Alcohol Co., 27 William, New York.
U. S. Industrial Chemical Co., 27 William, New York

## 17— Acetphenetidin

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York.
Monsato Chemical Works, 1800 S 2d, St. Louis, Mo.
New York Quinine & Chemical Wks., 135 William, New York.

## 18— Acetyl Chloride

Warner Chemical Co., 52 Vanderbilt av, New York

## 18a— Acetylene

Air Reduction Sales Co., 120 B'way, New York
Commercial Acetylene Supply Co. (For Welding & Cutting), 80 Broadway, New York
K. G. Welding & Cutting Co. (Compressed), 556 W 34th, New York
Prestolite Co., Inc. (Dissolved Acetylene), Speedway, Indianapolis, Ind.
Searchlight Co. (Compressed), 2236 Lumber, Chicago, Ill.

## 18b— *Acetylene Generators

See also Burners, Acetylene; also Gas Machines, Acetylene

For welding pressure suitable only for welding or cutting operations, have great advantages over low pressure generators for the work mentioned.
**MACLEOD CO., 2227 Bogen St., Cincinnati, O.**

## 19— Acetylene Tetrachloride

Bischoff C. & Co. (Imp), 451 Washington, New York

## 20— Acid (Acetic)

Cleveland-Cliffs Iron Co., Rockefeller bldg, Cleveland, Ohio
Drackett P. W. & Sons Co., 5020 Spring Grove av, Cincinnati, O.
Eastwood Chemical Co., Belleville, N. J.
Fuerst Bros. & Co., 2 Stone, New York
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Lennig Chas. & Co., 112 S Front, Phila., Pa.
McKesson & Robbins (Imp), 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Marden, Orth & Hastings Co., 136 Liberty, New York.
Merrimac Chemical Co., 148 State, Boston, Mass.
Naugatuck Chemical Co., Naugatuck, Conn.
Nusbaum Chemical Co., Bradford, Pa.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
U. S. Industrial Chemical Co., 27 William, New York

## 21— Acid (Acetic, Crude)

Avery Chemical Co., 88 Broad, Boston, Mass.
Chatham Mfg. Co., Savannah, Ga.
Eastwood Chemical Co., Belleville, N. J.
Florida Wood Products Co., Jacksonville, Fla.
Forest Products Co., 1212 Whitney, New Orleans, La.
Ga. Pine Turpentine Co. of N. Y., 158 Perry, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Merck & Co., 45 Park pl, New York.
Spiritine Chem. Co. (Refined), Wilmington, N. C.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 21a— Acid (Acetyl Salicylic)

Dow Chemical Co., Midland, Mich.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York.
Miller, J. A., Co., 233 B'way, New York
Monsanto Chemical Wks., 1800 S 2nd, St. Louis, Mo.
Semet Solway Co., Syracuse, N. Y.

## 21b— Acid (Anthranilic)

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Harmer Laboratories Co., 1704 Market, Phila., Pa.

## 21c— Acid (Arsenic)

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Stratford Chemical Co., 25 Cortlandt, New York
Thomsen Chemical Co., Race & Windler, Baltimore, Md.

## Acid (Arsenious)

See Arsenic, White

## 21d— Acid (Battery)

See also Chemicals, battery

Cochrane Chemical Co., 148 State, Boston, Mass.
Contact Process Co., Buffalo, N. Y.
Kalbfleisch Corp., 31 Union Sq, New York
Riverside Acid Wks, Warren, Pa.
United Chemical & Organic Products Co., 111 W. Washington, Chicago, Ill.

## 21e— Acid (Beta-Naphthol—Sulphuric)

Agawam Chemical Works, Grosvenor bldg, Providence, R. I.

## 22— Acid (Benzoic)

British-American Chemical Corp., 109 Beekman, New York
Chromos Chemical Co., Inc. (U. S. P.), 35 W. 42nd, New York.
Commonwealth Chemical Corp., 15 Park Row, New York.
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Greeff, R. W., & Co., 78 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Semet-Solvay Co., Syracuse, N. Y.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.

## 22a— Acid Black

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Dicks, David Co., Inc., Varick & No. Moore, New York
Metz, H. A., & Co., Inc., 122 Hudson, New York
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
National Gum & Mica Co., 59th & 11th av, New York

## 22b— Acid Blue

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York

## 23— Acid (Boric)

Croton Chemical Co. (Refined, Selling Agent), 14 Cedar, New York
Drakenfeld B. F. & Co. (Flaky, Refined, Imp), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Pacific Coast Borax Co. (Refined), Oakland, Cal.
Pfizer Charles & Co. (Crystals, Granular & Powdered), 81 Maiden Lane, New York
Thorklidsen-Mather Co. ("Sterling"), 111 W Monroe, Chicago, Ill.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda John C. & Co. (Jobbers), 273 Greene, Brooklyn, N. Y.

## 24— Acid (Butyric)

Klipstein A. & Co. (Imported), 644 Greenwich, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

## 25—Acid (Calcium Phosphate)

Iliff-Bruff Chemical Co. ("Snow White"), Hoopeston, Ill.
Victor Chemical Wks., Fisher bldg, Chicago, Ill.

## 26— Acid (Carbolic)

Albany Chemical Co., Albany, N. Y.
Amerman & Patterson (Imported), 21 State, New York
Barrett Co., 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
Bischoff C. & Co. (Imported), 451 Washington, New York
Chatfield Mfg. Co., Carthage, Cinn., O.
Dow Chemical Co., Midland, Mich.
Fuerst Bros. & Co., 2 Stone, New York
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hoffmann-La Roche Chemical Works, 440 Washington, New York
Jordan, William E., Inc. (Crude & Refined), 13 Cliff, New York
Klipstein A. & Co. (Crude, Crystal & Liquid, Imp), 644 Greenwich, New York
McKesson & Robbins (Imp.), 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co. (Crystals), 45 Park P., New York
National Aniline & Chemical Co., Inc. (White, Crystals & Conde), 21 Burling slip, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
PROTEXOL CORPORATION (Crude), 41 Barclay, New York
Roessler & Hasslacher Chemical Co. (Crystal & Liquid), 709 6th av, New York
Schieffelin & Co. (Imp), 170 William, New York
Semet-Solvay Co., Syracuse, N. Y.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
White Tar Co. of N. Y. (Crude), 56 Vesey, New York

## 26a— Acid Chlorosulphoric

Atlas Powder Co., 140 N. Broad, Phila., Pa. *See adv index at end of book*

## 27— Acid (Chromic)

Anatron Chemical Co., B'way & 16th, New York
General Carbonic Co., Bridge, Albany, N. Y.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## 27a— Acid (Cinnamic)

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Standard Chemical Co., Bayonne, N. J.

## 28— Acid (Citric)

Clark Chemical Co., Wickliffe, O.
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Herrick & Voigt, 68 Maiden lane, New York
Klipstein A. & Co. (Crystal & Powder, Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Pfizer Chas. & Co. (Crystals, Granular & Powdered), 81 Maiden Lane, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 28a— Acid (Cresotinic)

Heyden Chemical Wks., Garfield, N. J.

## 28b— Acid (Cresylic)

See also Acid, Carbolic; also Cresol
DANA & COMPANY, INC., 111 B'way, New York
Jordan, William E., Inc., 13 Cliff, New York

## 29— Acid (Dipping)

Kalbfleisch Corp., 31 Union sq., New York

## 30— Acid Eggs

Bethlehem Fdry. & Mach. Co., S. Bethlehem, Pa.
BUFFALO FOUNDRY & MACHINE CO. (Cast Iron), 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Charleston Dry Dock & Machine Co., Charleston, S. C.
Devine J. P. Co., Buffalo, N. Y.
Duriron Castings Co. ("Duriron" Acid Proof), Dayton, O.
Fulton Foundry Co., 1209 Marquette av, Cleveland, O.
Knight, Maurice A., Akron, O.
Lummus, Walter E., Co. ("Metrolift," Automatic), 171 Milk, Boston, Mass.
Moore Bros. Co., Elizabeth, N. J.
Pratt Engineering & Machine Co., Atlanta, Ga.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
United States Stoneware Co. (Glazed Stoneware), Akron, O.

## 30a— Acid (Fatty)

Baugh & Sons Co., 20 S Delaware, Phila., Pa.
Boyer Oil Co., Inc., 25 W. B'way, New York
Celina Stearic Acid Co., Celina, O.
Douglas Co., Cedar Rapids, Iowa
Francesconi, J. C., & Co., 23 Beaver, New York
Hachmeister-Lind Chemical Co., 2332 Forbes, Pittsburgh, Pa.
Marden, Orth & Hastings Co., 136 Liberty, New York
Moore Oil Co., Cinn., O.
National Oil Products Co., Harrison, N. J.
Southern Cotton Oil Co., 120 B'way, New York

## 31— Acid (Formic)

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Bischoff C. & Co. (Imported), 451 Washington, New York
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Greeff, R. W., & Co. (85-90%), 70 Front, New York
Herrick & Voigt, 66 Maiden lane, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## 32— Acid (Gallic)

American Alkali & Acid Co., Bradford, Pa.
Bischoff C. & Co. (Imp), 451 Washington, New York
Cooper Chas. & Co., 194 Worth, New York
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Greeff, R. W., & Co., 78 Front, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Roessler & Hasslacher Chemical Co., 709 6th av, New York.

## 32a— Acid (Gamma)

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
Zinsser & Co. (U. S. P.). Hastings-on-Hudson, N. Y.

## 32b— Acid (H)

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Merrimac Chemical Co., 148 State, Boston, Mass.
Monroe Color & Chemical Co., Quincy, Ill.
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
Rector Chemical Co., 2 Rector, New York
Republic Color & Chemical Wks., Reading, Pa.

## 32c— Acid (Hydriodic)

Great Amer. Chemical Products Co., 23 Liberty, New York

## 32d— Acid (Hydrobromic)

Baker, J. T., Chemical Co., Phillipsburg, N. J.
Dow Chemical Co. (40% to 48%), Midland, Mich.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Squibb, E. R., & Sons, 78 Beekman, New York

## Acid (Hydrochloric)

See Acid, Nitric & Muriatic

## 32e— Acid (Hydrocyanic)

Cooper, Chas. & Co. (U. S. P.), 194 Worth, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## 33— Acid (Hydrofluoric)

Baker J. T. Chemical Co., Phillipsburg, N. J.
Baker & Adamson Chemical Co., Easton, Pa.
Commercial Chemical Co., 5721 W 66th, Ludington bldg, Chicago, Ill.
Feuchtwanger L. & Co., 74 Cortlandt, New York
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
General Chemical Co. (For Etching & Polishing Glass), 25 Broad, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hydrofluoric Mfg. Co. (For Cleaning Castings), York, Pa.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
Naugatuck Chemical Co., Nagauatuck, Conn.
Riverside Acid Works, Warren, Pa.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 34— Acid (Hydrosilicofluoric)

General Chemical Co., 25 Broad, New York

## 35— Acid (Lactic)

American Alkali & Acid Co., Bradford, Pa.
Avery Chemical Co., 88 Broad, Boston, Mass.
Bischoff C. & Co. (Imp), 451 Washington, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York.
Woolner & Co., Peoria, Ill.

## 36-7— Acid (Linoleic)

Klipstein A. & Co. (Imp), 644 Greenwich, New York

## 38— Acid (Mixed)

Atlas Powder Co., 140 N. Broad, Phila., Pa. *See adv index at end of book*
Butterworth-Judson Corporation, 61 B'way, New York
*See adv index at end of book*
Contact Process Co., Abbott, Buffalo, N. Y.
Detroit Chem. Wks, 238 Junction av, Detroit, Mich.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York.
General Chem. Co., 25 Broad, New York
Harrison Works (Du Pont), 3500 Gray's Ferry rd, Phila., Pa.

## 39— Acid (Molybdic)

Heil Henry Chemical Co., St. Louis, Mo.

MOLYBDIC ACID
85 to 88%
C. P. for Laboratories
HOLZ & CO., Inc.
18 Madison Avenue - NEW YORK

Holz & Co., Inc., 18 Madison av, New York *See adv index at end of book*
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York.
**RARE METAL PRODUCTS CO.,** Belleville, N. J.
**YORK METAL & ALLOY CO., York, Pa.**

## 39a— Acid (Monochloracetic)

Dow Chemical Co., Midland, Mich.
Harmer Laboratories Co., 1704 Market. Phila., Pa.

## 39b—Acid (Monosulphonic F)

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
National Aniline & Chemical Co., 2 Burling slip, New York

## 39c— Acid (Naphthalene—Sulphonic)

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.

## 39d— Acid (Naphthionic)

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.
Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Chemical Co. of Amer., Inc., 28 Platt, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
Rector Chemical Co., 2 Rector, New York

## 39e— Acid (Naphthylamine—Sulphonic)

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.

## 39f— Acid (Neville & Winther's)

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.
Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.

## 39g— Acid (Nitrating)

Atlas Powder Co., 140 N. Broad, Phila., Pa. *See adv index at end of book*

## 40-1—Acid (Nitric & Muriatic)

Atlas Powder Co. (38°, 40°, 42° Nitric & 18°, 20°, 22° Muriatic), 140 N. Broad, Phila., Pa.
*See adv index at end of book*
Baker J. T. Chemical Co. (Nitric only), Phillipsburg, N. J.
Butterworth-Judson Corp. (Nitric), 61 B'way, New York
*See adv index at end of book*
Commercial Acid Co., East St. Louis, Ill.
Cordensite Co. of Am. (Muriatic), Bloomfield, N. J.
Contact Process Co., Buffalo,, N. Y.
Cooper Chas. & Co., 194 Worth, New York
Detroit Chemical Works (Nitric), 238 Junction av, Detroit, Mich.
Dow Chemical Co. (Hydrochloric 22% Bé. Commercial), Midland, Mich.
du Pont (E. I.) de Nemours & Co. (Aqua Amonia) Acid & Heavy Chemical Sales Dept., Wilmington, Del.
Erkenbrach Geo. A. Co. (Nitric), 115 Maiden la, New York
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
General Chemical Co., 25 Broad, New York
General Chemical Co. (For Iron & Steel Mfrs.), 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Hooker Electric Chemical Co. (Hydrochloric), 40 Wall, New York
*See adv index at end of book*
Kalbfleisch Corp. (Nitric), 31 Union sq, New York
King Chemical Co. (Nitric), Bound Brook, N. J.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Lening Chas. & Co., 112 S Front, Phila., Pa.
Mallinckrodt Chemical Works (C. P.), 2d & Mallinckrodt, St. Louis, Mo.
Merrimac Chemical Co., 148 State, Boston, Mass.
Mountain Copper Co., Ltd., 332 Pine ("Mococo"), San Francisco, Cal.
National Zinc Co., 61 B'way, New York
Naugatuck Chemical Co., Naugatuck, Conn.
New Jersey Zinc Co. (Muriatic), 160 Front, New York
Niagara Alkali Co. (Muriatic, only free from Arsenic), Niagara Falls, N. Y.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Riverside Acid Wks. (Muriatic), Warren, Pa.
Rollin Chemical Corp., 120 B'way, New York *See adv index at end of book*
San Francisco Chemical Co., 332 Pine, San Francisco, Cal.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
United Chemical & Organic Products Co., 111 W Washington, Chicago, Ill.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Western Chemical Mfg. Co. (Commercial etc), Denver, Colo.

ACIDS { MURIATIC NITRIC SULPHURIC
OLEUM MIXED ACID

BISULPHITE OF SODA LITHOPONE

BUTTERWORTH JUDSON CORPORATION
61 BROADWAY :-: :-: :-: :-: NEW YORK, N. Y.

## Acid (Oleic)

See Oils, Red

## Acid (Oleum)

See Acid, Sulphuric Fuming

## 42— Acid (Oxalic)

**American Alkali & Acid Co., Bradford, Pa.**
Bauer Philip Co., 25 W B'way, New York
**Bischoff C. & Co. (German), 451 Washington, New York**
**Commercial Chemical Co. (Powdered).** 5721 W 66th, Chicago, Ill.
**Ducas B. P. Co. (Imp.), 25 S William. New York**
Ele Kem Co., 1508-1516 Clybourn av, Chicago, Ill.
**Fuerst Bros. & Co., 2 Stone, New York**
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Greeff, R. W., & Co., 76 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Herrick & Voigt, 68 Maiden lane, New York
**Innis, Speiden & Co., Inc. (Imported), 46 Cliff, New York**
*See adv index at end of book*
**Klipstein A. & Co. (Imp.), 644 Greenwich, New York**
**McKesson & Robbins (Imp.), 91 Fulton, New York**
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
**Roessler & Hasslacher Chemical Co. (Imported), 706 6th av, New York**
**Tennant C. Sons & Co. of N. Y. (Imp), 100 William, New York**
Victor Chemical Wks., Fisher bldg, Chicago, Ill.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 42a— Acid (Perchloric)

Dow Chemical Co., Midland, Mich.
Genesee Chemical Co., Batavia, N. Y.
Mackay, A. D. (C. P. 50%), 130 Pearl, New York

## 43— Acid Phosphate

Adair A. D. & McCarty Bros., Atlanta, Ga.
American Agricultural Chemical Co., 2 Rector, New York
Arkansas Fertilizer Co., Little Rock, Ark.
Armour Fertilizer Works, U. S. Yards, Chicago, Ill.
Barker Chemical Co., Savannah, Ga.
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Davison Chemical Co., Garrett bldg, Baltimore, Md.
Empire State Chemical Co., Athens, Ga.
Furman Fertilizer Co., Atlanta, Ga.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
International Agricultural Corporation, 61 B'way, New York
Jarecki Chemical Co., Sandusky, O.
King Chemical Co., Bound Brook, N. J.
Lang J. M. & Co. (Brokers), Savannah, Ga.
Mt. Pleasant Branch, Virginia-Carolina Chemical Co., Mt. Pleasant, Tenn.
Nitrate Agencies Co., 102 Pearl, New York
Painter E. O. Fertilizer Co., Jacksonville, Fla.
Planters Fertilizer & Chemical Co., 509 Hibernia, New Orleans, La.
Provident Chemical Wks., St. Louis, Mo.
Rasin-Monumental Co., National Marine Bank bldg, Baltimore, Md.
Royster F. S. Guano Co., Norfolk, Va.
Southern Seed Co., Louisville, Ky.
Standard Wholesale Phosphate Co., Continental bldg, Baltimore, Md.
Swift & Co., Atlanta, Ga.
Swift & Co., Union Stock Yards, Chicago, Ill.
Thomas I. P. & Son Co., Drexel bldg, Phila., Pa.
Tupelo Fertilizer Factory, Tupelo, Miss.
Union Seed & Fertilizer Co., 1018 Hennan bldg, New Orleans, La.
Virginia-Carolina Chemical Co., Richmond, Va.
Wuichet Fertilizer Co., Dayton, O.

## 44— Acid (Phosphoric)

**Bowker Chemical Co., 2 Rector, New York**
**General Chemical Co., 25 Broad, New York**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Katzenbach & Bullock Co., 100 William, New York
**Klipstein A. & Co. (Imp), 644 Greenwich, New York**
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Nitrated Chemicals Co., Inc., Lorain, O.
**Roessler & Hasslacher Chemical Co.,** (Syrup & Glacial), 706 6th av, New York
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
Victor Chemical Wks., Fisher bldg., Chicago, Ill.
**Warner Chemical Co. (1,400 S G), 52 Vanderbilt av, New York**
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 44a— Acid (Phthalic)

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Greeff, R. W., & Co., 80 Maiden Lane, New York
Rector Chemical Co., 2 Rector, New York
Youngstown Chemical Co., Youngstown, O.
Zinsser & Co., Hastings-on-Hudson, N. Y.

## 44b— Acid (Pickling)

Cooper, Chas., & Co., 194 Worth, New York

## 44c— Acid (Picric)

Butterworth-Judson Corp., 61 B'way, New York *See adv index at end of book*

## 45— Acid Plants (Complete)

Chemical Construction Co. (Sulphuric, Nitric & Hydrochloric), Charlotte, N. C.
Devine J. P. Co., Buffalo, N. Y.
**GUARANTEE CONSTRUCTION CO.,** 92 West, New York
**Pratt Engineering & Machine Co., Atlanta, Ga.**

## 45a— Acid Plants (Hydrochloric)

Thermal Syndicate, Ltd., 50 E 41st, New York

## 45b— Acid Plants (Phosphoric)

Thermal Syndicate, Ltd., 50 E 41st, New York

## 46— Acid Plugs & Seats

**Pratt Engineering & Machine Co., Atlanta, Ga.**

## 47— Acid (Pyrogallic)

**Berlin Aniline Works (Imp), 213 Water, New York**
**Bischoff C. & Co. (Imp), 451 Washington, New York**
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Greeff, R. W., & Co., 78 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Klipstein A. & Co. (Imp), 644 Greenwich, New York**
**Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.**
Merck & Co., 45 Park pl, New York.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Acid (Pyroligneous)

See Acid, Acetic, Crude

## 47a— Acid Red

National Gum & Mica Co., 59th & 11th av, New York

## 48— Acid (Salicylic)

British-American Chemical Corp., 109 Beekman, New York
Dow Chemical Co., Midland, Mich.
**Fuerst Bros. & Co., 2 Stone, New York**
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Great Am. Chemical Products Co., Inc., 640 B'way, New York
Greeff, R. W., & Co., 78 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Heyden Chemical Works, Garfield, N. J.**
Merck & Co., 45 Park pl, New York.
**Merrell, W. S. Co., (Natural), 5th & Pike,** Cincinnati, O.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Preston Chemical Co., Inc., 4th av, Brooklyn, N. Y.
**Semet-Solvay Co. (Acetyl), Syracuse, N. Y.**
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 48a— Acid (Sludge)

Du Pont Chemical Wks., Equitable bldg., New York

## 49— Acid (Stannic)

Drakenfeld B. F. & Co. (Dealer), 50 Murray, New York

## 50— Acid (Stearic)

**Celina Stearic Acid Co., Celina, O.**
Chrystal Chas. B., 13 Cliff, New York
*See adv index at end of book*
Clark F. C., 316 Kinzie, Chicago, Ill.
**EMERY CANDLE CO.** ("Standard" Double & "Luxe" Triple Pressed), Cincinnati, O.
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
**Gross A. & Co., 90 West, New York**
Harkness & Cowing Co., Murray av & Carthage Pike, St. B., Cincinnati, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Jacob Chas. W. & Allison (Imp), 18 Cedar, New York**
**Klipstein A. & Co. (Imp), 644 Greenwich, New York**
**Kuh E. S. & Valk Co. (Imp), Produce Exch., New York**
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
**Proctor & Gamble Co., Gwynne bldg, Cincinnati, O.**
Rub-No-More Co., Ft. Wayne, Ind.
**Smith & Nichols (Imported), 121 Maiden Lane, New York**
**Strahl & Pitsch (Imported), 141 Front,** New York
**Will & Baumer Co., Syracuse, N. Y.**

## 50a— Acid (Sulphanilic)

Agawam Chem. Wks., Grosvenor bldg, Prov., R. I.
Calco Chemical Co., Bound Brook, N. J.
Chemical Co. of America, 28 Platt, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Marden, Orth & Hastings Co., 136 Liberty New York
Verona Chemical Co., Verona av, Newark, N. J.

## 51— Acid (Sulphuric)

**For Technical Use Only**

**American Alkali & Acid Co., Bradford, Pa.**
American Metal Co., 61 B'way, New York
American Zinc, Lead & Smelting Co., 120 B'way, New York
Anaconda Copper Mining Co., Butte, Mont.
Avery Chemical Co., 88 Broad, Boston, Mass.
**Baker J. T. Chemical Co., Phillipsburg, N. J.**
Baugh & Sons Co., The (Selling Agents), 25 So Calvert, Baltimore, Md.
Bidtel Chemical Works, Inc., 51 Front, New York
**BUTTERWORTH-JUDSON CORPORATION,** 61 B'way, New York
*See adv index at end of book*
Cleveland Cliff Iron Co., Rockefeller bldg, Cleveland, O.
**Contact Process Co. (Also Fuming), Buffalo, N. Y.**
Cooper Chas. & Co., 194 Worth, New York
Davison Chemical Co., Garrett bldg, Baltimore, Md.
Ducktown Sulphur, Copper & Iron Co., Isabella, Tenn.

ACID (SULPHURIC)—continued
Du Pont E. J. de Nemours & Co. (By-Products Division), Wilmington, Del.
Eagle-Picher Lead Co., 208 S. La Salle, Chicago, Ill.
Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
**General Chemical Co. (Also Fuming Sulphuric), 25 Broad, New York**
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
**Harrison Works (Du Pont), Phila., Pa.**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Hegeler Zinc Co., Danville, Ill.**
**Illinois Zinc Co., Peru, Ill.**
King Chemical Co., Bound Brook, N. J.
**Lancaster Chemical Co., Lancaster, Pa.**
**Lanyon Robert Zinc & Acid Co., Hillsboro, Ill.**
**Lening Chas. & Co., 112 S Front, Phila., Pa.**
**Mallinckrodt Chemical Works (C P), 2d & Mallinckrodt, St. Louis, Mo.**
**Matthiessen & Hegeler Zinc Co., La Salle, Ill.**
**Mechling Bros. Mfg. Co., Camden, N. J.**
**Merrimac Chemical Co., 148 State, Boston, Mass.**
**Mineral Point Zinc Co., 140 S Dearborn, Chicago,, Ill. Works: Mineral Point, Wis.**
National Zinc Co., 61 B'way, New York
**Naugatuck Chemical Co., Naugatuck, Conn.**
New Jersey Zinc Co., 160 Front, New York
**Penna. Salt Mfg. Co. (Fuming, etc), Widener bldg, Phila., Pa.**
**Planters' Fertilizer & Phosphate Co., Charleston, S. C.**
**Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.**
**Riverside Acid Works (Mfrs 50, 60 & 66 Electrolyte), Warren, Pa.**
**Royster F. S. Guano Co., Norfolk, Va.**
**San Francisco Chemical Co., 332 Pine, San Francisco, Cal.**
Southern Acid & Sulphur Co., Boatmen's Bank bldg., St. Louis, Mo.
**Standard Acid Works (50°, 60°, 66° Acid & Fume Acid 66%), Continental bldg, Baltimore, Md.**
**Stauffer Chemical Co., 624 California, San Francisco, Cal.**
Tennessee Copper Co., 61 B'way, New York
**Thomsen Chemical Co., Munsey bldg, Baltimore, Md.**
**United Chemical & Organic Products Co., 111 W Washington, Chicago, Ill.**
United Zinc Smelting Corp., 99 John, New York
**Virginia-Carolina Chemical Co., Richmond, Va.**
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
**Western Chemical Mfg. Co., Denver, Colo.**
Williamson D. D. & Co., 86 Fulton, New York

## 51a—Acid (Sulphuric Brimstone)

Atlas Powder Co. (66°, Be 98%), 140 N. Broad, Phila., Pa.
*See adv index at end of book*

## 52— Acid (Sulphuric, Fuming)

Atlas Powder Co., 140 N. Broad, Phila., Pa.
*See adv index at end of book*
**BUTTERWORTH-JUDSON CORPORATION,** 61 B'way, New York
*See adv index at end of book*
**Contact Process Co., Buffalo, N. Y.**
**General Chemical Co., 25 Broad, New York**
**Grasselli** Chemical Co., Guardian bldg, Cleveland, O.
**National** Zinc Co., 61 B'way, New York
**Penna.** Salt Mfg. Co., Widener bldg, Phila., Pa.

## 52a— Acid (Sulphuric, Substitute)

**Research** Mfg. Co. Oak Lane, Phila., Pa.

## 52b— Acid (Sulphurous)

Beggs, E. J., & Co., 92 William, New York
Butterworth-Judson Corporation, 61 B'way, New York
*See adv index at end of book*
Cooper, Chas., & Co., 194 Worth, New York
Hachmeister-Lind Chemical Co., 2332 Forbes, Pittsburgh, Pa.
King Chemical Co., Bound Brook, N. J.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Seidner & Enequist, 86 Hausman, Brooklyn, N. Y.

## 53— Acid (Tannic)

**Bredt F. & Co., 240 Water, New York**
*See adv index at end of book*
**Chilhowie Extract Co., Newport, Tenn.**
Greeff, R. W., & Co., 78 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Klipstein A. & Co. (Imp), 644 Greenwich, New York**
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York.
Pfizer Chas. & Co., 81 Maiden la, New York
**Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.**
Zinsser & Co. (U. S. P.), Hastings-on-Hudson, N. Y.

## 54— Acid (Tartaric)

Fuller, Ralph L., & Co., Inc., 81 Fulton New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Herrick & Voigt, 68 Maiden lane. New York
**Klipstein A. & Co. (Imp), 644 Greenwich, New York**
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
**Pfizer Chas. & Co. (Crystals, Granulated & Powdered), 81 Maiden Lane, New York**
Tartar Chemical Works, 156 5th av, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 55— Acid (Tungstic)

Mineral Product Mfg. Co., Wilmington, Del.
Vanadium Corp. of Am., Equitable bldg, New York
**YORK METAL & ALLOY CO.** ("Grade A"), York, Pa.

## 55a— Acid (Valeric)

**Mallinckrodt Chemical Wks., St. Louis, Mo.**
Merck & Co., 45 Park pl, New York.
Orr Chemical Co., Inc., Newark, N. J.

## 55b— Acid (Vanadic)

Carnotite Reduction Co., E. 26th & So. Park av, Chicago, Ill.
Vanadium Corp. of Am., Equitable bldg, New York

## 56— Acid Vessels

See also Jars, Acid
Bishop Gutta-Percha Co., 420 E 25th, New York
Eagle-Picher Lead Co., 208 S. La Salle, Chicago, Ill.
Eimer & Amend, 205 3d av, New York
General Ceramics Co. (Stone Coave Storage Vessels), 50 Church, New York
**Gutta Percha & Rubber Mfg. Co. (Acid Pails), 126 Duane, New York**

## 56a— Acid Violet

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Butterworth-Judson Corporation, 61 B'way, New York
*See adv index at end of book*
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
National Gum & Mica Co., 59th & 11th av, New York

## 57— Acid (Vulcanizing)

Empire Tire & Rubber Corp., East Trenton, N. J.

## 58— Acid (White)

**General Chemical Co. (For Frosting Glass), 25 Broad, New York**
**Wiarda John C. & Co. (For Frosting), 278 Greene, Brooklyn, N. Y.**

## 59— Acidometers

Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

## 60—*Acids for Pickling Iron & Steel

American Chemical Paint Co. ("Deoxylyte"), 1118 S 11th, Phila., Pa.

## 60a— Acids

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa.
*See adv index at end of book*

## 61— Acids (Wood)

**Corbett M. J. & Co., Binghamton, N. Y.**
**Corbett & Stuart, Binghamton, N. Y.**
Georgia Pine Turpentine Co. of N. Y. (Crude), 158 Perry, New York
**Leighton Arthur Co., Methol, N. Y.**
**Luzerne Chemical Co., Pittston, Pa.**
**Penn Chemical Co., Susquehanna, Pa.**
**Wright Chemical Co., Susquehanna, Pa.**

## 62— Aconitine

**Hoffmann-La Roche Chemical Works, 440 Washington, New York**
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## Acousticons

**See Audiphones**

## 63— Actions (Piano)

**Abbott Piano Action Co., Fort Lee, N. J.**
Amphion Piano Player Co. (pneumatic), Syracuse, N. Y.
American Player Action Co., 717 East 140th, New York
**Auto Pneumatic Action Co., 627 W 50th, New York**
Bogert & Hopper Inc. (Wood parts for), 57 Barclay, New York
*See adv index at end of book*
**Cheney A. C. Piano Action Co., Castleton, N. Y.**
**Englehardt Piano Co., St. Johnsville, N. Y.**
Estes E. B. & Sons (Wood Parts), 364 5th av, New York
*See adv index at end of book*
Norris Noiseless Pedal Action Co., Stoughton, Mass.
**Piano & Organ Supply Co., 2132 N Racine av, Chicago, Ill.**
**Seaverns Piano Action Co., Buffalo, N. Y.**
**Standard Action Co., Cambridge, Mass.**
**Standard Pneumatic Action Co., 638 W 52d, New York**
Thayer Action Co., Rockford, Ill.

## 64—Adapters (Conduit Bushing)

**Steel City Electric Co. ("Steel City"), 1207 Columbus av, Pittsburgh, Pa.**

## 65— Adapters (Lamp)

**Arrow Electric Co., Hartford, Conn.**
**Bryant Electric Co., Bridgeport, Conn.**
**Central Telephone & Electric Co. ("Ajax" Tungsten), 310 N 11th, St. Louis, Mo.**
Culver-Stearns Mfg. Co., Worcester, Mass.
**Dale Lighting Fixture Co. (Tungsten), 107 W 13th, New York**
**Erikson L. Electric Co. (Tungsten Adjustable Joint), 6 Portland, Boston, Mass.**
**GENERAL ELECTRIC CO., Schenectady, N. Y.** *See adv index at end of book*
Hubbell Harvey, Bridgeport, Conn.
Mayer & Reichert (Combination Electric & Gas Adapter & Cock), 84 Evergreen av, Brooklyn, N. Y.
Metal Specialties Mfg. Co. ("Presto"), 338 N Kedzie av, Chicago, Ill.
**MORSE FRANK W.** ("Handy," for Candelabra, Ediswan, domestic & foreign, Standard, Mogal, English & French), 293 Congress, Boston, Mass.
*See adv index at end of book*
Plume & Atwood Mfg. Co. (Auto & Reading), 470 Bank, Waterbury, Conn.
Rosen A. W. & Co., 610 B'way, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
**White J. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.**

## 66— Addressing & Mailing

**BOSTON MAILING CO.** (Letters), 394 Atlantic av, Boston, Mass.
Couture Sales Promoting Service, Manchester bldg, Portland, Ore.

**RODGERS ADDRESSING BUREAU** (Direct Advertising Service—Addressing & Multigraphing Mailing Lists a Specialty), 365 Market, San Francisco, Cal.

## 67—Adjusters (Automatic Slack)

**American Brake Co. ("Westinghouse"), 1932 N B'way, St. Louis, Mo.**

## 68— Adjusters (Brake Slack)

**American Brake Co., 1932 N B'way, St. Louis, Mo.**
**Chicago Railway Equipment Co. ("Creco"), 1928 W 46th, Chicago, Ill.**
**Gould Coupler Co., 30 E 42d, New York**
**Holden & White, Fisher bldg, Chicago, Ill.**
**Smith-Ward Brake Co., Inc., 17 Battery pl, New York**
**Standard Coupler Co. ("Shim" Automatic), 30 Church, New York**
**Western Railway Equipment Co. ("Acme" Automatic), Central Nat'l Bk bldg, St. Louis, Mo.**

## 69— Adjusters (Chain)

**Hamachek Frank** ("Ideal," for Link-Chain Belting), Kewaunee, Wis.

## 70— Adjusters (Lamp)

**MORSE FRANK W.** ("Webster"), 289 Congress, Boston, Mass.
*See adv index at end of book*

## 71— Adjusters (Lamp Cord)

**American Enamel Co., Providence, R. I.**
**American Vulcanized Fibre Co. ("Q. & C."), 504 Equitable bldg, Wilmington, Del.**
**Anderson Elec. Specialty Co., 154 Whiting, Chicago, Ill.**
**Austin M. B. & Co. ("Gem"), 706 W Jackson blvd, Chicago, Ill.**
**Baltes H. A., Garwood, N. J.**
**Bogert & Hopper Inc. (Electrical Lamp, etc.), 57 Barclay, New York**
*See adv index at end of book*
**Condit Electrical Mfg. Co. ("Saca" Shock Absorbers & Cord Adjuster), 1st & L, Boston, Mass.**
**Crouse-Hinds Co., Syracuse, N. Y.**
**DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.**
*See adv index at end of book*
**Diamond State Fibre Co. (Fibre), Elsmere, Del.**
**ESTES, E. B. & SONS** (Electric), 364 5th av, New York
*See adv index at end of book*
**Frantz Mfg. Co. ("Lightning"), Sterling, Ill.**
**Gay Mfg. Co., Rochester, N. Y.**
**Greenville Mfg. Co., Greenville, Pa.**
**Gund Mfg. Co., La Crosse, Wis.**
**Ham E. W. Electric Co., Worcester, Mass.**
**Harley Co., Springfield, Mass.**
**Harter Co., Waukegan, Ill.**
**Indispensable Mfg. Co., San Francisco, Cal.**
**McGill Mfg. Co. ("Innovate"), 77 Oak, Valparaiso, Ind.**
*See adv index at end of book*
**Milam B. C. & Son, Frankfort, Ky.**
**MORSE FRANK W.** ("Morse" Automatic "Handy"), 289 Congress, Boston, Mass.
*See adv index at end of book*
**Novelty Turning Co., Norway, Me.**
**Phelps Mfg. Co., 265 Jefferson av, 49 W. Larned, Detroit, Mich.**
**Runzel-Lenz Electric Mfg. Co. ("R-L" Telephone cord adjuster), 1751 N Western av, Chicago, Ill.**
**Standard Fibre Co., Miller st, Somerville, Mass.**
**Stewart Frank H. Electric Co., 35 N 7th, Phila., Pa.**
**Trumbull Electric Mfg. Co. ("Ideal"), Plainville, Conn.**
**WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del.**
*See adv index at end of book*
**Yost Elec. Mfg. Co. ("Electrogrip"), Toledo, Ohio**

## Adjusters (Shade)

See Adjusters, Window Shade

## 72-3—Adjusters (Switch Plate)

**Electric Apparatus Co., 127 S Green, Chicago, Ill.**

## 74—Adjusters (Window Casement)

**Casement Hardware Co. ("Holdfast," "Bull Dog"), 9 S Clinton, Chicago, Ill.**
**Champion Hardware Co. ("Champion," Casement Window), Geneva, O.**
**Dent Hardware Co., Fullerton Pa.**
**Ellison Brass Mfg. Co., Jamestown, N. Y.**
**Grant Pulley & Hardware Co., 101 Park av, New York**
**Holbrook, H. E., Co. ("Whitney"), 49 Federal, Boston, Mass.**
**Ives H. B. Co., New Haven, Conn.**
**Parsons Mfg. Co., 411 So Clinton, Chicago, Ill.**
**Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.**
**Penn Hardware Co., Reading, Pa.**
**Reading Hardware Co., Reading, Pa.**
**Rixson Oscar C. Co., 501 S Jefferson, Chicago, Ill.**
**Russell & Erwin Mfg. Co., New Britain, Conn.**
**Safe Padlock & H'dwe Co, Lancaster, Pa.**
**Sargent & Co., New Haven, Conn.**
**Tabor Sash Fixture Co. (Aut.), 63 Polk, Newark, N. J.**
**Weber-Knapp Co. (Wrought Brass Window), Jamestown, N. Y.**
**Wilkins Geo. Lester (For Swingout Casements), 180 N Market, Chicago, Ill.**

## 75—Adjusters (Window Shade)

**Allen Shade Holder Co., 46 Cornhill, Boston, Mass.**
**Ives H. B. Co., New Haven, Conn.**
**Lancaster Clamp Window Shade Pull Co. ("Clamp" adjusts and pulls the shade up or down), Lancaster, Pa.**

## 76—Adjusters (Window Stop)

**Grant Pulley & Hardware Co., 101 Park av, New York**
**Ives H. B. Co., New Haven, Conn.**

## 76a—Advance Construction & Industrial Information

**DAILY BULLETIN, PUBLISHED BY MANUFACTURERS RECORD, Baltimore, Md.**
*See adv index at end of book*

## 77— Advertising Counsellors

**Advertising Laboratories, The (Technical), Canton, O.**
**Blum's Adv. Agency (Mail Advertising in all its Branches), 618 Mission, San Francisco, Cal.**
**Chamberlin Co. (Technical Service, Steam & Mechanical Engineering, etc), Kresge bldg, Detroit, Mich.**
**Gibson Geo. H. Co. (Steam & Mechanical Engineering, etc), 154 Nassau, New York**
**Kuhl & Bent Co. (Printers, Lithographers, Embossers, High Class Form Letters, etc.), 331 W Washington, Chicago, Ill.**
**McLain-Hadden-Simpers Co. (Steam & Mechanical Engineering, etc), 210 S 7th, Phila., Pa.**
**Powers House Co., Racine bldg, Cleveland, Ohio**
**Reece & Crittenden Co., Cleveland, O.**
**Rickard & Sloan, 20 Vesey, New York**
**Rodgers Addressing Bureau (Direct Advertising Service; Addressing & Multigraphing Mailing Lists a Specialty), 356 Market, San Francisco, Cal.**
**Russell O. W. (Machinery & Mill Supply Catalogs, Technical Advertising, Literature), 537 S Dearborn, Chicago, Ill.**
**Snow Walter B., 136 Federal, Boston, Mass.**
**Waring, Vechten Co. (Advertising Writing, Printing, Illustrating & Booklets, Catalogues, etc.), 37 E 28th, New York**
**Wightman Lucius I. (Counsellor & Consulting Engineer in Technical Advertising & Marketing Exclusively), 50 Union sq, New York**

## 78—*Advertising Devices (Automatic)

**Grammes L. F. & Sons, Allentown, Pa.**
*See adv index at end of book*
**Newman Mfg. Co., 717 Sycamore, Cincinnati, O., & 68 W Washington, Chicago, Ill.**
*See adv index at end of book*

## 79—Advertising Novelties & Specialties

See also Index for Adv. Rules, Tapes, etc
See also Metal Novelties & Specialties
**Advertising Leather Specialty Co. (Leather), 303 Mercer, New York**
**Advtg. Novelty Co., Spokane, Wash.**
**Agents' Supply Co., Ft. Wayne, Ind.**
**Aluminum Container Corp. (Aluminum Cards, Boxes & Clocks), Fulton, New York**
**Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.**
**Aluminum Sign Co., Kewaunee, Wis.**
**Aluminum Specialty Co., Manitowoc, Wis.**
**American Art Sign Co., 201 37th, Brooklyn, N. Y.**
**American Art Works (Calendars, Celluloid & Leather Novelties, Pocket Books & Diaries, etc), Coshocton, O.**
**American Blank Book Mfg. Co. (Leather), 150 Lafayette, New York**
**American Badge Co. (Metal Fobs, Celluloid Novelties, etc), 143 W Austin av, Chicago, Ill.**
**Am. Emblem Co., Inc. (Metal), 333 Columbia, Utica, N. Y.**
**American Luminous Products Co. (Clocks, Danger Signals, Bulbs, Boxes, Calenders, Switch Plates), Huntington Park, Cal.**
**American Mfg. Concern (Full Line of Woolen Novelties), Falconer, N. Y.**
**Am. Mills Co. (Paper), Atlanta, Ga.**
**Am. Spec. Co., 9 Vose, Rochester, N. Y.**
**Anderson W. A. & Co. (Leather), 83 Fulton, New York**
**Anthe Phil J. & Co., Cincinnati, Ohio**
**Arcadia Advg. Spec. Co., Newark, N. J.**
**Arcadia Advertising Specialties Co., Inc., (Blotters), Newark, N. Y.**
**Architects Card File Co., 35 Montgomery, San Francisco, Cal.**
**Armstrong, Paul, 97 Ft. Washington av, New York**
**Art-Stone Mfg. Co. (Plaster Casts, Statuettes, etc), 282 9th av, New York**
**Atwater S. I., 101 Lafayette, New York**
**Automatic Call Advg. Clock Co., Portland, Ore.**
**Attracto Co., Tretz bldg, Phila., Pa.**
**Badger Calendar Co., 790 Buffum, Milwaukee, Wis.**
**Bain Fred B., Royal Ins. bldg, San Francisco, Cal.**
**Bainbridge Chas. J., Syracuse, N. Y.**
**Baker Advtg. Co., 428 Central block, Pueblo, Colo.**
**Baker Oliver Mfg. Co., 315 1st av, N Minneapolis, Minn.**
**Balch Bros. & West, Utica, N. Y.**
**Barlow Co. (Brass, Copper, etc), Holyoke, Mass.**
**Barwell Spec. Co., Canton, Ohio**
**Bastian Bros. Co. (Celluloid & Metal), Rochester, N. Y.**
**Beach Leather Co., Coshocton, O.**
**Beckman Thos. J. Co., 310-316 N 11th, Philadelphia, Pa.**
**Bedford Aluminum & Specialty Co., 4 Reade, New York**
**Bell Co., 105 Public sq, Nashville, Tenn.**
**Bellevue Mfg. Co., Lee, Mass.**
**Bemis Bro. Bag Co. (Aprons, Fac-Simile Bags & Paper Bags), 601 S 4th, St. Louis, Mo.**
**Berg Bros. (Leather), 480 B'way, New York**
**Berlin Fabric Mfg. Co. (Dust Caps, Cloth Advertising Novelties), Berlin, Wis.**
**Best Mfg. Co. (Calendars, Card & Novelties), New Haven, Conn.**
**Blackwell F. E. (Auto Adv. Specialties), 630 Mission, San Francisco, Cal.**
**Blanchard Bros. (Pencils, Penholders & Round Handle Utilities), 19th, Brooklyn, N. Y.**
**Blanchard Isaac H. Co., 418 W 20th, New York**
**Bogert & Hopper Inc. (Full Line of Wooden Turned Novelties), 57 Barclay, New York** *See adv index at end of book*
**Bostwick-Goodell Co. (Wooden Specialties), Norwalk, O.**
**Boyeson H. C. & Co., 350 Minnesota, St. Paul, Minn.**
**Bradford & Co. (Leather), St. Joseph, Mich.**
**Brassington John, Inc., Milwaukee, Wis.**
**Brazel Novelty Mfg. Co. (Aerial Ads), 1710 Ella, Cincinnati, O.**
**Broderick Co., 464 Robert, St. Paul, Minn.**
**Broome & Herbeg Co., Coshocton, Ohio**
**Bruml Hy. Co., 110 Liberty, New York**

AD. NOVE(TIES & SPECIALTIES—continued
Business Reviving Co., Oblong, Ill.
Bulman, E. O., Mfg. Co., Grand Rapids, Mich.
Burgess W. C. & F. D. (Blotters), Newark, N. J.
Calcium Light Advtg. Co., Newburgh, N.Y.
Calendar Spec. Co., 113 South, New York
Canton Cutlery Co. (High Grade Photo Pocket Knives), Canton, O.
Canton Glass Co. (Glass Paperweights and any Special Designs made from Blue Prints or Models), Marion, Ind.
Carpenter L. A. Press. Metal Co. (Brass & Steel), Cambridge, Mass.
Carroll J. Bruce (Celluloid, Metal & Paper Specialties, Rules, Stamps, Books, Umbrella Tags, Mirrors, Blotters, Memo. Books, Paper Cutters, Flag Pins, Match Safes, Leather Watch Fobs, Pencils, etc), 3057 Carroll, Chicago, Ill.
Catalogue Equipment & Supply Co. (Loose Leaf Devices), Allston, Boston, Mass.
Cawood Novelty Mfg. Co., Danville, Ill.
Chester Advtg. Co., 202 W 3rd, Chester, Pa.
Cleophas Chas & Co., Beloit, Wis.
Colson W. O. Co., 118-20-22 S Main, Paris, Ill.
Com. Utilities Mfg. Co., 160 Wells, Chicago, Ill.
Continental Fibre Co. (Vulcanized Fibre), Newark, Del.
*See adv index at end of book*
Cook Chas K. Co. (Leather), 211-213 S Second, Camden, N. J.
Corthaus A. C. Spec. Co., 81 Michigan, Milwaukee, Wis.
Coshocton Art Leather Co., Coshocton, O.
Coshocton Specialty Co., Coshocton, O.
Crescent Advtg. Nov. Co., New Orleans, La.
**Crescent Leather Goods Co., 16 W 19th, New York**
Cruver Mfg. Co. (Celluloid, etc.), 2456 W Jackson blvd, Chicago, Ill.
Datz Albert Co., Jersey City, N. J.
Davis-Smith Co. (Business Greeting Cards), 530 Atlantic av, Boston, Mass.
Deaton, G. H. & Co., 171 No. Green, Chicago, Ill.
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*
Delta Co., 629-631 Main, Osage, Ia.
Diamond State Fibre Co. (Hard Fibre), Elsmere, Del.
Direct Advtg. Co., Erie, Pa.
Donker & Williams Co., 1322 Wabash av, Chicago, Ill.
Dunne Thos. Co., 415-417 Natchez, New Orleans, La.
Eastern Advtg. Co., 8 W 40th, New York
Eisenstark & Lipshitz (Leather), 297 Mercer, New York
Electro Chemical Engraving Co., 450 19th, Brooklyn, N. Y.
Elwood Myers Co. (Calendars, Leather Goods, Signs, etc), Springfield, O.
Englehardt Jno. W. Co., 121 Carondelet, New Orleans, La.
Estes E. B. & Sons (Full Line of Wooden & Turned Wood Novelties), 364 5th av, New York *See adv index at end of book*
Etching Co. of Am. (Brass), 1521 Montana, Chicago, Ill.
Exclusive Advtg. Co., Oak Park, Ill.
Fergenspan C. & Co., Cincinnati, Ohio
Feis Chas. J. Co., 257 W 17th, New York City, N. Y.
Felsenthal G. & Sons (Celluloid, Paper, Metal), 446 Wells, Chicago, Ill.
Firstenberg J., 332 E 48th, New York
Florin Philip (Leather), 465 Broome, New York
Forbes W. H. Co. (Leather), Gloversville, N. Y.
Fortuna Leather Co. (Leather), 5909 Park av, Phila., Pa.
Fox Gustav Co. (Metal), Cincinnati, Ohio
Frank J. W. & Sons, Peoria, Ill.
Frank L. S. Advtg. Mfg. Co., St. Louis, Mo.
French E. W. Co., 1 Beekman, New York
Geiger Bros., 17-23 Nevada, Newark, N. J.
Gen Etching & Mfg. Co. (Etched Metal), 312-14-16 S Hamilton av, Chicago, Ill.
Geraghty & Co. (Celluloid Mirrors & Tape Measures, Nickel Match Boxes, Buttons, Flags, etc.), 3035 W Lake, Chicago, Ill.
Gilbert E. T. Mfg. Co., Rochester, N. Y.
**GOES LITHOGRAPHING CO.** (Art Advtg. Blotters), 42 W 61st, Chicago, Ill.
Glogau & Co., Dickey bldg, Chicago, Ill.
Gohde Nov. Co., Viroqua, Wis.
Golden Belt Mfg. Co. (Cloth Bags), Durham, N. C.
Golden Rule Cutlery Co. (Metal), 1212 N Sheldon, Chicago, Ill.
Goodell Jas. M. Jr. Inc., 150 N Laramie av, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grand Rapids Calendar Co., 572-576 Division av S, Grand Rapids, Mich.
Gribble Advtg. Co., 78 Main, Galena, Ill.
Griffith C. A. Co., Bellingham, Wash.
Graeser Mfg. Co. (Paperweights), 55 Taggart, Pittsburgh, Pa.
Guarantee Spec. Nov. Co., Rochester, N. Y.
Hamilton Mfg. Co. (Leather), Portland, Me.
Hance J. W. Foundry Co., Westerville, O.
Hano Philip (Leather), 806 Greenwich, New York
Harris Benj. Co., 229 Bowery, New York
Hauser & Weil (Leather), 142 5th av, New York
Hawkeye Advtg. Co., Clarinda, Ia.
Hero Mfg. Co. (Aluminum), Westmoreland av & Stokely, Phila., Pa.
Hoaghn Mfg. Co., Waupaca, Wis.
Hodes & Sullivan, 142 Fulton, New York
Holmes Mfg. Co., 161 W. Harrison, Chicago, Ill.
Holstead W. W., Scimiter bldg, Memphis, Tenn.
Hoodwin J. W. Co. (Sales Boards & Cards), 2949 W. Van Buren, Chicago, Ill.
Huntsinger J. H. Adv. Mfg. Co., 2615-19 Walnut, Kansas City, Mo.
**Ideal Specialties Mfg. Corp. (Calendar "Up to Date"), 552 Pearl, New York**
Igelstroem Jno. Co., Massillon, Ohio
**Illustrated Postal Card & Novelty Co., 160 5th av, New York**
Index Republican Co., Bellefontaine, Ohio
Jackson W. & Co., 29 S La Salle, Chicago, Ill.
Jeffries W. P. Co., 117-21 Winston, Los Angeles, Cal.
Johnson Ezra Novelty Co. (Leather), Newnan, Ga.
Kalamazoo Advtg. Co., Kalamazoo, Mich.
Kearby E. J. & Co., St. Joseph, Mo.
Keller Crescent Co., Princeton, Ind.
Kennedy Co., Seattle, Wash.
Kenyon Co., 303 Grand av, Des Moines, Ia.
Keystone Calendar & Printing Co., Wilkes-Barre, Pa.
**Ketterlinus Lithographic Mfg. Co.** (Calender Backs, Advertising Fans, Book Marks, Blotters, etc), 4th & Arch, Phila., Pa.
Knickerbocker Leather & Novelty Co., 79 5th av, New York
Knoell Mfg. Co., Tonawanda, N. Y.
Kyle Advtg. Co., Louisville, Ky.
Lambert P. W. & Co. (Leather), 64 Lispenard, New York
Lancaster Glass Co. (Glass Novelties), Lancaster, O.
Landa A. & Sons Co. (Leather), 1706 Foster av, Chicago, Ill.
Langfeld Bros. & Co. (Leather), 1421 Wallace, Phila., Pa.
Lemcke Meyer Novelty Co. (Leather), 4931 Carthage av, Cincinnati, O.
Levy & Merzbach (Leather), 1255 B'way, New York
Lincoln Advertising Co. (Calendars & Specialties), Lincoln, Neb.
Livermore & Knight Co., 36 Pine, Providence, R. I.
Lubbers & Bell Mfg. Co. (Fly Killers), Clinton, Iowa
Lufkin Rule Co. (Tapes & Rules), Saginaw, Mich.
Mack Jas. & Co., 18 S. 5th av, Chicago, Ill.
Malmsten Theo. E., 3517 No. av, Strass bldg., Milwaukee, Wis.
Marill Novelty & Metal Co., Walden, Mass.
Martin Luther E. Co., 411 Equitable bldg., Baltimore, Md.
Massillon Cleveland-Akron Sign Co., Massillon, O.
McCormick Co., Coshocton, O.
McKay Spec. Co., Anderson, Ind.
Meek J. F. Co., Coshocton, O.
Meeker Advertising Co., Third & Missouri av, Joplin, Mo.
Mellicke Calculator Co. (Metal), 350 N Clark, Chicago, Ill.
*See adv index at end of book*
Mergott J. E. Co., 316 Jelliff av, Newark, N. J.
Metallograph Corp., 1100 Brook av, New York, or Grand Central Terminal
**Metropolitan Imptg. & Mfg. Co.** (Aluminum), 304 East 23rd, New York
Mills R. C. (Novelties), 525 Market, San Francisco, Cal.
**Milan Independent, 107 Third, Milan, Ill.**
Miller J. M. Co., 764 8th, Milwaukee, Wis.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
**Moody Mfg. Co., 280 Broadway, New York**
Moore T. F. Co. (Window Display & Store Advertising), 19 W 44th, New York
**Morgenstern & Brill (Leather), 26 W 17th, New York**
**Morse A. B. Co., St. Joseph, Mich.**
**Mossberg Frank Co.** (Letter Openers, Pocket Cork Screws, Combination Pocket Tool, Bottle Openers, developing of any type of metal novelties), Attleboro, Mass.
**Muerdter Emil, 1428 Hunting Park av, Phila., Pa.**
**Murphy Thos. D. & Co., Red Oak, Ia.**
Myers Elwood Co. (Leather), Springfield, Ohio
**Napier-Browning Co.** (Celluloid), 105 W 40th, New York
National Advertising Co., Caxton bldg, Cleveland, Ohio
**National Advertising Co. (Yard Sticks & Novelties), Seneca Falls, N. Y.**
National Calendar Co., 1014 Flint, Cincinnati, Ohio
**National Sheet Metal Co. (Stamped from "Nicolene" or Nickeltin), Peru, Ill.**
**Neuer & Hoffman (Advertising Twine), 75 Grand, New York**
Newark Elmer A. & Co., Charlotte, Mich.
New England Calendar & Novelty Co., 756 Main, Hartford, Conn.
New Jersey Novelty Adv. Co., Newark, N. J.
Niagara Falls Metal Stamping Works (Aluminum, Brass, Copper, etc), Niagara Falls, N. Y.
Noble F. H. & Co. (Metal), 555 W 59th, Chicago, Ill.
Novelty Advertising Co., Cochocton, O.
Novelty Cutlery Co. (Pocket Knives), Canton, O.
Novitas Sales Co. (Metal & Cardboard), Waltham, Mass.
O'Brien J. M. Co., 218 S B'way, Los Angeles, Cal.
Offerman F. J. Art Wks., 301 Broadway, Buffalo, N. Y.
Ohio Printing & Publishing Co. (Calendars), Massillon, O.
Olmstead Bros. Co., 9 14th, Wheeling, W. Va.
Omaha Leather Co. (Leather), Omaha, Neb.
Ortmann A. & Son (Leather), 2340 3rd av, New York
Osborne Co. (Calendars & Novelties), 759 Summer av, Newark, N. J.
Paris Belt & Novelty Co. (Bather), 231 N Wills, Chicago, Ill.
Parrott Matt & Sons Co., Waterloo, Ia.
Peerless Leather Specialty Co., 54 Greene, New York
Pencil Exchange, 73 Fleet, Jersey City, N. J. *See adv index at end of book*

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Pencil Printing Co., 140 S 4th, Phila., Pa.
Penton Advertising Co., 400 Chestnut, Phila., Pa.
Pervear, H. N. Co. (Jewelry), Providence, R. I.
**Pictorial Post Card Co., Rochester, N. Y.**
Pilgrim Specialty Co., Malden Mass.
**Racey Cement L.** (Calendars, Leather Novelties, etc), Kansas City, Kan.
Rand F. L. Co., St. Louis, Mo.
Reproduction Co., 351 Jay, Brooklyn, N. Y.
Reading Ribbon Badge Co., Reading, Pa.
Readograph Adv. Co., Inc.
Reed Advg. Co., Portland, Ore.
Reed Evan L. Mfg. Co., Sterling, Ill.
**Rehberger Mfg. Co.** (Metal), 548 Webster av, Chicago, Ill.
Riordan T. G. Mfg. Co., 3943 Lincoln av, Chicago, Ill.

Rippel Mfg. Co., Lafayett, Ohio
Ritzville Advtg. Co., Ritzville, Wash.
Ristau, G. W. & Co., Kaukauna, Wis.
Riverside Printing Co. (Memo. Books & Blotters), Port Huron, Mich.
Robbins Co., 12 John, New York
Rockford Leather Goods Co. (Leather), Rockford, Ill.
Roseville Pottery Co. (Match & Ash Holders), Zanesville, O.
Rudy Jno. A. & Son, Carlisle, Pa.
Rumpp C. F. & Sons (Leather), 5th & Cherry, Phila., Pa.
Ryder Bros., Baker, Ore.
Sadler Bros. (Jobbers, Celluloid, Novelties), So. Attleboro, Mass.
St. Louis Button Co. (Badges, Buttons, Banners, Enam. Emblems & Pins), 413 Lucas av, St. Louis, Mo.
San Francisco Calendar Novelty Co., 320 1st, San Francisco, Cal.
Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York
*See adv index at end of book*
Schindler Charles ("Bubbler"), Toledo, O.
Schlesinger Leo & Co. (Desk Clocks, Calendars, Hand Blotters, etc), 64 Wooster, N. Y.
Schnuerer & Murray (Leather), 15 E 32d, New York
Shafer M. F. & Co., 12th & Farnham, Omaha, Neb.
Seaman N. & Co., Irregon, Ore.
Searle & Dressler, 1210 Turner, Allentown, Pa.
Shaw Advertising Co. (Calendars, Horse Covers, Cloth Goods, etc), Produce Exchange bldg, Kansas City, Mo.
Shedd-Brown Mfg. Co., 317½ 5th av S, Minneapolis, Minn.
Shelby Calender & Nov. Co., Shelbyville, Ind.
Shipley & Co., 8 E. Chestnut, Columbus, Ohio
Simmons N. (Leather), 13 University pl, New York
Singer Bros. (Leather), 82 Bowery, New York
Southard Novelty Co. (Calendars & Specialties), Columbus, Ohio
Sommer J. L. Mfg. Co. (Wire & Steel) Newark, N. J.
Southern Nov. Mfg. Co., Memphis, Tenn.
Souvenir Lead Pencil Co., Cedar Rapids, Ia.
Spec. Sales Co., 929 18th av, Seattle, Wash.
Stanford-Crowell Co., Ithaca, N. Y.
Stanwood Mfg. Co. (Paper), 83 Broad, Boston, Mass.
Stecher & Spelrein Co. (Leather), 65 W Houston, N. Y.
Stein Bros. & Co. (Leather), 422 S Dearborn, Chicago, Ill.
Steinau Co., Louisville, Ky.
Stephens A. W. Mfg. Co., Waltham, Mass.
Stone Printing & Mfg. Co., Roanoke, Va.
Swayze Advtg. Co., Canton, Pa.
Tablet & Ticket Co. (Paper), 624 W Adams, Chicago, Ill.
Terre Haute Advtg. Co., Terre Haute, Ind.
T. & H. Supply Co., Oneida, N. Y.
Tonawanda Advertising Co. (Hardwood Rules, Thermometers, etc), Tonawanda, N. Y.
Transo Co., Rockford, Ohio
United Sales Mfg. Co., Elmira, N. Y.
U. S. Pat. Spec. Co., 606 Washington, New York
Universal Mfg. Co., 18-20 Pike, Chicago, Ill.
Universal Sanitary Mfg. Co., 171 Madison, New York
Universe Mfg. Co. (Leather), 2218 Vine, Phila., Pa.
Up-to-Date Advertising Co. (Rulers), Canisteo, N. Y.
Vaughan Novelty Mfg. Co., 703 Fulton, Chicago, Ill.
Voss Herman Co., 603 E. Water, Milwaukee, Wis.
Wachtel Calendar & Novelty Co., 1345 S Floyd, Louisville, Ky.
Wallaster J. G., 620 Poydras, New Orleans, La.
Warren Leather Goods Co., Worcester, Mass.
Waterbury Button Corporation (Buttons, Checks, Coins, Figures, Numbers, Metal & Composition), 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Waterloo Engr. & Service Co., Waterloo, Ia.
Wegenaar L. A. Mfg. Wks., 154 Nassau, New York
Weigel Geo. L., 1501 So. Kedzie av, Chicago, Ill.
Weissbrod Emil & Sons (Leather), Greenfield, Mass.
Wesley Co., 730 N. Franklin, Chicago, Ill.
Westcott-Jewell Co. (Rulers, Yard Sticks, etc), Seneca Falls, N. Y.
Western Art Leather Co. (Decorated Leather), Tabor Opera bldg, Denver, Colo.
Whitehead & Hoag Co. (Celluloid, etc), 272 Sussex av, Newark, N. J.
Wilkey Art Co., 3115 Sacramento bvd., Chicago, Ill.
Williams O. G. Co. (Aluminum, Leather & Wood), 64 W. Randolph, Chicago, Ill.
Williams Wm. H. Co., Greenville, Ohio
Williamson C. T. Wire Nov. Co. (Wire & Steel), 52-74 Badger av, Newark, N. J.
Winslow Cabot Co., 79 Milk, Boston, Mass.
Winters Sign & Novelty Co., Springfield, O.
Wolf & Co., Franklin Bank bldg, Phila, Pa.
Woodward-Tiernan Printing Co. (Fans, Calendars), 309 N 3d, St. Louis, Mo.
Ziller Advtg. Co., Meridian, Miss.
Zittlosen Mfg. Co. ("Nox-All" Umbrellas), Park & Dolman. St. Louis, Mo.

## 80— Adze Mfrs.

Am. Axe & Tool Co. ("Blood's," "Lippincott's," "Red Warrior," "Anosky," "Champion," "Hurd," "Underhill," "Monarch," "Hunt," "Coopers," Ship Railroad, etc), Glassport, Pa.
Atha Tool Co., Newark, N. J.
Black J. B. Co. (Wm. Beatty & Sons) (Carpenters', Coopers', Railroad, Ship Carpenters' Gutter or Spout), Chester, Pa.
Bradley G. W. Axe & Tool Mfg. Co. (All Kinds), 119 Leonard, New York
Collins Co., Collinsville, Conn.
Evansville Tool Works (Carpenters', Railroad, Ship Carpenters', etc), Evansville, Ind.
Fulton Tool Works (Coal Miners' Track, "Fulco" "Fulton"), Huntington, W. Va.
Hammond Charles & Son, Ogontz, Pa.
Hardscog Mfg. Co. (Track), Ottumwa, Ia. Leetonia Tool Co. (Tracksmen), Leetonia, O.
Mack & Co. ("D. R. Barton," Railroad, Carpenters', etc), Rochester, N. Y.
Norton Tool Co., West Park, Ohio
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R. (Inc) ("Anchor"), N E cor Tucker & James, Phila., Pa.
Romer Axe Co. ("Romer," Carpenters', Railroad, Ship, etc), Dunkirk, N. Y.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Weston Thomas B., 708 Light, Baltimore, Md.
White L. & I. J. Co. (Carpenters', Bridge, Railroad, Mill, Ship, etc), 120 Columbia, Buffalo, N. Y.

## 81— Aeco Deo

Anderson Chemical Co., Wallington, N. J.

## 82— Aeroplane Fuselages

Empire Art Metal Co., Inc., College Point, L. I., N. Y.
National Bronze & Aluminum Foundry Co. (Aluminum & Bronze Castings), 2539 E 79th, Cleveland, Ohio

## 82a— Aeroplane Parts & Supplies

Acklin Stamping Co. (Stampings Only), 1659 Dorr, Toledo, O.
*See adv index at end of book*
Alcock John L. & Co. (Specialties), Munsey bldg, Baltimore, Md.
Aluminum Co. of America (Aluminum, Ingot, Sheet, Tubing, Wire, Rod, Rivets, Molding Extruded Shapes, Elec. Conductors), 2400 Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Aluminum Castings Co. (Lynite Alloys), 2210 Harvard av, Cleveland, O.
Am. Body Co., 11200 Niagara, Buffalo, N. Y.
Astoria Veneer Mill & Duck Co., Ft. Blackwell Long Island City, N. Y.
Barcalo Mfg. Co. (Shackles, Eyelets, Hose Clamps, Thimbles, Wing Socket Plates, Shut Ends, Hinges, Washer Plates & Misc. Forgings), Buffalo, N. Y.
Bell Co (The) 1555 Filmore av., Buffalo, N.Y. *See adv index at end of book*
Bettcher Stamping Mfg. Co. (Stampings), 6120 Clark av, Cleveland, O.
*See adv index at end of book*
Betz-Pierce (Cold Drawn 3½% Nickel Steel; also Large Rounds), 2230-40 E. 9th, Cleveland, O.
Boston Auto Gage Co., 8 Waltham, Boston, Mass.
Buffalo Pressed Steel Co., 800 Kinsington av, Buffalo, N. Y.
Century Telephone Construction Co., Buffalo, N. Y.
Champion Machine & Forging Co. (Forgings), 3690 E. 78th, Cleveland, O.
*See adv index at end of book*
Chemical Products Co. (Cloth Varnishes Non-Inflammable Sheets & Films, 93 Broad, Boston, Mass.
Cincinnati Screw Co. (Bolts, Nuts, Clevis Pins & Special Parts), Twightwee, Cincinnati, O.
Cold Light Mfg. Co. (Marvelite Dial, Illuminating Powder), 558 W. 158th, New York
Cuyahoga Spring Co. (Motor or Engine Springs, Sand Bag Hooks & Valve Springs for Balloons), 10253 Berea rd, Cleveland, O.
*See adv index at end of book*
Dewes A. Co. The (Stamping, Welding, Machining, Tubing), 199 Lafayette, New York
Dominion Asbestos Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Dural Rubber Corp. (Rubber Parts), Flemington, N. J.
Empire Art Metal Co. (Tubing), College Point, N. Y.
Erie Specialty Co. (Metal Parts), Erie, Pa.
Fahrig Metal Co. (Bearing Metal), 34 Commerce, New York
Ferdinand L. W. Co. (Liquid Glue), 154 Kneeland, Boston, Mass.
Fisher Body Corp., Oakland & Pigeatte, Detroit, Mich.
Foxboro Co., Inc. (Indicating & Recording Gauges & Thermometers, Airspeed, etc.), Foxboro, Mass.
*See adv index at end of book*
Garford Foundries Metal Co. ("Aero" Construction), Elyria, O.
Hardy F. A. & Co. (Aviators' Goggles), 10 So. Wabash av, Chicago, Ill.
Haustetter A. (Dashboard Altimeters, Recording Barographs, Pocket & Watch Aneroid Barometers), 308 Madison av, New York
Kawner Mfg. Co., Grand Rapids and Niles, Mich.
King, Julius, Optical Co., 10 Maiden la, New York
KNAPP ARTHUR ENGINEERING CORP. (Fittings), 19 W 44th, New York
*See adv index at end of book*
Legfang, Frank G. (Airships, Balloons & Aero Equipmt), 1465 B'way, New York
Levett Walker M. Co. ("Magnalite" Pistons), 417 E. 23rd, New York
Leygrand & Co. (Aluminum Sheets, Screw Stock, Rod & Wire), 120 B'way, New York
Lippincott A. H. & F. H., 24th & Locust, Phila., Pa.
McBratney Robert & Co. (Airplane Linen), 121 Franklin, New York
Meisel Press Mfg. Co. (Aeroplane Gears), 942 Dorchester av, Boston, Mass.
Midvale Steel & Ordnance Co. (Forgings), Widener bldg, Phila., Pa.
Morgan Mfg. Co., Inc., Keene, N. H.
Mosler A. R. & Co. (Plugs), Mt. Vernon, N. Y.
Motor Compressor Co. (Compressed Air Starters), Newark, N. J.
*See adv index at end of book*
National Aeroplane Co., 55 Washington blvd, Chicago, Ill.
Nat'l Gauge & Equipment Co., La Crosse Wis. *See adv index at end of book*
New Century Adding Machine Co., E. St. Louis, Ill.
New Departure Mfg. Co. ("New Departure"), Bristol, Conn.
*See adv index at end of book*
New Jersey Veneer Co. (Veneered Panels), Paterson, N. J.
Norma Co. of Am. ("Norma" Speed Bearing), Anable av, Long Island City, N. J. *See adv index at end of book*
O'Hare-Waltham Dial Co., Waltham, Mass.
Ordnance Engng. Corp. (Parts & Appliances), 120 B'way, New York
Pacific Aero Products Co., Seattle, Wash.
Palmer-Simpson Corp. (Hulls & Pontoons), Saranac Lake, N. Y.

AEROPLANE PARTS & SUPPLIES—continued

Park Drop Forge Co. (Counterbalanced Crank Shafts), 760 E. 79th, Cleveland, O.
Penn Flexible Metallic Tubing Co. (Metal Hose), 201 No. Broad, Phila., Pa.
Penn H'dwe & Paint Co. (Clevises & Shackles, Milled Bolts 3½% Nickel, Buckles, & H'dwe), Woolworth bldg, New York
Powell Wm. Co. (Emergency Tank Coolers), Cincinnati, O.
*See adv index at end of book*
Radium Dial Co. (Luminous Compounds), Forbes & Meyranaves, Pittsburgh, Pa.
Roebling John A. Sons Co. (Wire, Strand, Cord, Thimbles, Ferrules, etc.), Trenton, N. J. *See adv index at end of book*
Russell Mfg. Co. (Rubber Aero Cord for Shock Absorbers), 349 B'way, New York
Ryder Brass Fdy Co. (Aluminum Castings), Bucyrus, O.
Saxon Mfg. Co. (Screw Machine Parts & Metal Stampings), 1034 Grand av, Toledo, O.
Sheip & Vandegrift, Inc. (Lumber), 31 Lawrence, Phila., Pa.
Sperry Gyroscope Co. (Instruments & Supps.), 40 Flatbush av Extension, Brooklyn, N. Y.
Sprague Electric Wks. (Dynamometer Testing Sets), 527 W. 34th, New York
Standard Parts Co. (Bearings, Forgings, Rod Assemblies, Springs, Steel Tubing, Rebuilding Parts, Rims), Cleveland, O.
Standard Turnbuckle Co., Corry, Pa.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stimpson Edwin B. Co. (Sheet Metal, Brass & Copper Bars, Tubes, Rods, Brass Wire), 68 Franklin av, Brooklyn, N. Y.
Strauss & Buegeleisen (Aviators' Goggles), 438.
Taylor Instrument Co., Rochester, N. Y.
Tioga Steel & Iron Co. (Cylinder Forgings, Propeller Hubs, Flanges, Shafts, etc.), 52d & Grays av, Phila., Pa.
Ulmer Leather Co. (Waterproof Cement & Dope), Norwich, Conn.
Welch Mfg. Co., Grand Rapids, Mich.
Western Elec. Co., 463 West, New York
Whitman & Barnes Mfg. Co. (Drop Forgings), 100 W. 120th, Chicago, Ill.
*See adv index at end of book*
Williams J. H. & Co. (Crankshafts, Connecting Rods, Turnbuckles, etc.; Forgings, Wrenches, Wrench Sets), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Wittemann Lewis Aircraft Co., Inc., Teterboro, adjacent W. Hasbrouch Hts. Sta., N. J.
Wood J. W. Elastic Webb Co. (Cord), 181 W. Lake, Chicago, Ill.
Wyman-Gordon Co. (Crankshafts), Worcester, Mass.
*See adv index at end of book*

## 83— Aeroplane Rims (Steel)

Standard Parts Co., Cleveland, O.

## 83a— *Aeroplane Stampings

Bettcher Stamping & Mfg. Co., Cleveland, O. *See adv index at end of book*

## 83b— Aeroplanes, Seaplanes, etc.

Aeromarine Plane & Motor Co., Times bldg,. New York
Benoist Aeroplane Co., Sandusky, O.
Boeing Airplane Co., Seattle, Wash.
Burgess Co., Marblehead, Mass.
Christofferson Aircraft Co., 57 Post, San Francisco, Cal.
Connecticut Aircraft Co., New Haven, Conn.
Continental Aircraft Corp., 120 Liberty, New York
Curtiss Aeroplane & Motor Corp. (Airplanes & Seaplanes), Buffalo, N. Y.
Dayton Wright Airplane Co. The, Dayton, O.
Empire Art Metal Co., Inc. (Tubing), College Point, N. Y.
Fisher Body Corp., Oakland & Piquette, Detroit, Mich.
Fowler Airplane Corp., 128 12th, San Francisco, Cal.
Glenn-Martin Co., Cleveland, Ohio
Graton & Knight Mfg. Co. (Leather Packing, Washers & Strapping), Worcester, Mass.
Goodyear Tire & Rubber Co., Akron, O.
Heinrich A. S. Corp., Freeport, Long Island, N. Y.
Ideal Aeroplane & Supply Co. (Also Models), 83B W. B'way, New York
International Aerial Navigation Co., 1270 B'way, New York
Janney Aircraft Co., Monroe, Mich.
Konigslow Otto Mfg. Co. (Stampings), 3506 Perkins av, Cleveland, O.
L.-W.-F. Engineering Co., College Point, L. I., N. Y.
Lanzius Aircraft Co., Woolworth bldg, New York
Lawson Aircraft Co., Green Bay, Wis.
Loening Aeronautical Eng. Corp., 45 11th, Long Island City, N. Y.
Martin-Glenn L. Co., 16800 St. Clair, Cleveland, O.
Metal Pts. Mfg. Co. (Metal Pts.), 1084 E. 152d, Cleveland, O.
Mullins W. H. Co. (Sheet Metal Pts.), 341 Franklin, Salem, Mass.
Murray & Tregurtha Co., 340 W. 1st, S. Boston, Mass.
National Aeroplane Co., 555 Wash. bl., Chicago, Ill.
Ordnance Engng. Corp. (Designers & Builders), 120 B'way, New York
Ortman Motor Co., Washington Court House, Ohio
Pierce Samuel S. Aeroplane Corp., Southampton, Long Island, N. Y.
Richardson Aeroplane Corp., Canal Bank bldg, New Orleans, La.
Rogers Construction Co., Gloucester City, N. J.
Schmitt Maximilliam, Paterson, N. J.
Simplex Aircraft Co., New Haven, Conn.
Standard Aero Corp., Woolworth bldg., New York
Standard Parts Co., W. 73d, Cleveland, O.
Sturtevant Aeroplane Co., Williams, Jamaica Plain, Mass.
Thomas-Morse Aircraft Co., Ithaca, N. Y.
United Eastern Aeroplane Corp., 1253 De Kalb av., Brooklyn, N. Y.
Walden-Hinners Co. (Airplanes, Seaplanes, etc.), Edgewater, N. J.
Whittemore-Hamm Co., 130 Brookside av, Boston, Mass.
Witteman-Lewis Aircraft Co., Teterboro, adjacent to Hasbrouch Hts. Sta., N. J.
Wright-Martin Aircraft Corp., New Brunswick, N. J.

## 84— Aftercoolers

**Ingersoll-Rand Co., 11 B'way, New York**
***See adv index at end of book***
Worthington Pump & Machinery Corp., 115 B'way, New York
*See adv index at end of book*

## 85— Agalite

International Pulp Co., 41 Park Row, New York
Union Talc. Co., 132 Nassau, New York
**WILLIAMS C. K. & Co., Easton, Pa.**
*See adv index at end of book*

## 86— Agar Agar

American Trading Co. (Imp), 25 Broad, New York
Ayres, Bridges & Co. (Imp), 200 Summer, Boston, Mass.
McKesson & Robbins (Imp), 91 Fulton, New York

## 86a— Agents (Shipping)

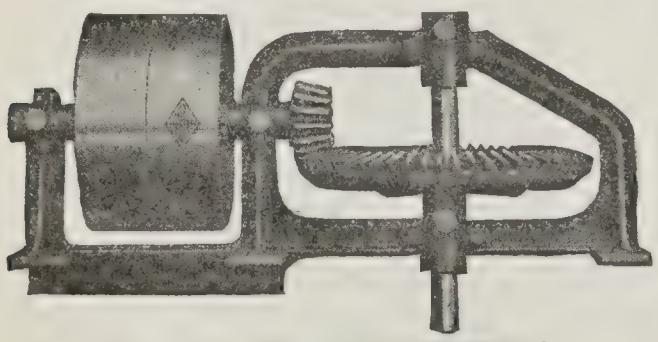
Mexican Commercial & Agricultural Co., Delta bldg, Los Angeles, Cal.
Morningstar Chas. & Co., Inc. (Imp.), 349 B'way, New York
Page & Jones, Mobile, Ala.
*See adv index at end of book*

## 86b— Agitators (Chemical)

Atlantic Tank & Barrel Corp., Hoboken, N. J.
Caldwell W. E. Co., Louisville, Ky.
Dorr Co., Denver, Col.
Elyria Enamelled Products Co., Elyria, O.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
**NEW ENGLAND TANK & TOWER CO.,** 42 Main, Everett, Mass.
*See adv index at end of book*
**TOWNSEND FDRY. & MACHINE SHOP CO.,** B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*
Pfandler Co., Cutler bldg., Rochester, N. Y.
Pratt Engineering & Machine Co., Atlanta, Ga.
Turl Engineering Works, Inc., 39 Cortlandt, New York

## 87— Agitators (Clay)

Crossley Machine Co. (Clay), State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
Ivens Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*

BALL THRUST AGITATOR DRIVE
Ratio 4 to 1
DIMENSIONS

| Size | Pinion Shaft | Gear Shaft | Gear P. Diam. | Face |
|---|---|---|---|---|
| No. 1 | 7-16 in. | 1 15-16 in. | 13. 37 in. | 2 in. |
| No. 2 | 1 15-16 in. | 2 7-16 in. | 23. 87 in. | 3 in. |

| Size | P. Diam. | Pinion Face | T and L Pulleys | Length Over All |
|---|---|---|---|---|
| No. 1 | 3.34 in. | 2 in. | 12 in. x 4 in. | 2 ft. 9 in. |
| No. 2 | 5.97 in. | 3 in. | 18 in. x 5 in. | 4 ft. 2 in. |

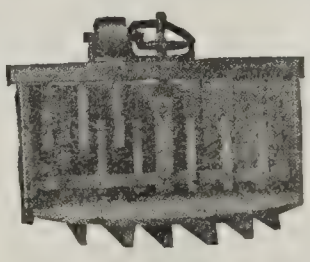
# The New England Tank and Tower Company

Manufacturers

EVERETT

MASS.

Boston Postal District



AGITATOR DRIVE WITH WOOD SHAFT (at left) AND WITH STEEL SHAFT (at right)

Various types of agitators or stirrers can be furnished as may be required for any particular purpose.

## 87a— Agitators (Drug)

Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
**NEW ENGLAND TANK & TOWER CO.,** 42 Main, Everett, Mass.
*See adv index at end of book*

## 87b— Agitators (Liquid)

Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
**NEW ENGLAND TANK & TOWER CO.,** 42 Main, Everett, Mass.
*See adv index at end of book*
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*

## 88— Agitators (Mining)

Carroll-Porter Boiler & Tank Co., Empire bldg, Pittsburgh, Pa.
Colorado Iron Works Co. ("Akins-Rothwell"), Denver, Colo.
Dorr Co., Denver, Colo.
Hammond Iron Works (Air, Cyanide, etc), Warren, Pa. *See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
Hendryx Cyanide Machy Co. ("Hendryx" Combination Agitator & Filter, for Ore), 136 Liberty, New York
Johnson & Thompson, Birmingham, Ala.
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.
Phoenix Iron Works Co., Meadville, Pa.
Smith Samuel & Son Co., Paterson, N. J.
Worthington Pump & Machinery Corp., 115 B'way, New York
*See adv index at end of book*

## 89— Agitators (Miscellaneous)

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Calvert Machine Co. (Lard Compound), 1606 Thames, Baltimore, Md.
Day J. H. Co. (Liquid), Cincinnati, O.
Fabricated Steel Production Corp., Box 505, Leetonia, O. *See adv index at end of book*
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Johnson John Co., 203 37th, Brooklyn, N. Y.
Johnson & Thompson, Birmingham, Ala.
New England Tank & Tower Co. (Chemical, Drug, Liquid), 42 Main, Everett, Mass. *See adv index at end of book*
Phoenix Iron Wks., Meadville, Pa.
Pollock Wm. B. Co. (Brewers), Youngstown, O.
Richards Iron Works (Cheese), Manitowoc, Wis.
Schutte & Koerting Co. (Steam Jet), 1251 N 12th, Phila., Pa.
Sowers Mfg. Co. (Soap Makers), 1320 Niagara, Buffalo, N. Y.
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*
Triumph Ice Machine Co., Oakley, Cincinnati, O.

## 90— Agitators (Oil, Etc.)

**DOVER BOILER WORKS.** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Frelinger J. G. Iron Works (Barrel, for Paint, Varnish & Oil), 115 W 2nd, Cincinnati, O.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Johnson John Co., 203 37th, Brooklyn, N. Y.
Johnson & Thompson, Birmingham, Ala.
Petroleum Iron Works Co., Sharon, Pa.
Phoenix Iron Works Co., Meadville, Pa.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Struthers-Wells Co., Warren, Pa.
Teachout H. E. Boiler works, E 37th & Erie R R, Cleveland, O.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Warren City Tank & Boiler Co., Warren, Ohio

## 91— Agitators (Paper Mill)

Caldwell W. E. Co., Louisville, Ky.
Columbiana Boiler Co., Columbiana, O.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Rice, Barton & Fales Machine & Iron Co. Worcester, Mass.
Shartle Bros. Machine Co., Middletown, O.
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*

## 92—Agricultural Implement Mfrs.

See also Farm Implements
For sub-classifications of this trade, consult Index of Contents for specific article desired.

### ALABAMA.

BIRMINGHAM—Continental Gin Co. (Cotton Seed Linters)
TUSCUMBIA—Rowland T. T. & Son (Cultivators)

### ARKANSAS.

HOPE—Eclipse Mfg. Co.

### CALIFORNIA.

FRESNO — Fresno Agricultural Works (Plows, Road Scrapers, etc)
LOS ANGELES—Killefer Mfg. Co. (Cultivators), 2209 Santa Fe
SAN FRANCISCO—Holt Mfg. Co., Balboa bldg.
Spalding-Robbins Disc Plow Co. (Disc Plows), 625 Market
STOCKTON—Holt Mfg. Co. (Harvesters, Binders, Traction Engines)
Shaw H. C. Co. (Harrows, Gang Plows)

### COLORADO.

DENVER—Plattner Mfg. Co.
GREELEY—Brown Peter (Potato Diggers)

### CONNECTICUT.

COLLINSVILLE—Collins Co. (Plows, etc)
HIGGANUM — Cutaway Harrow Co. ("Clark's" Harrows, Plows, Root Cutters, etc)
Scovil D. & H. (Planters' Hoes)
NEW LONDON—Brown Cotton Gin Co. (Cotton Seed Linters)
PLEASANT VALLEY—Rogers Rake Co. (Hand Hay Rakes)
SOUTHPORT—Jelliff C. O. Mfg. Co. (Harrows)
WATERTOWN—Hitchcock Hardware Co.

### FLORIDA.

OLDSMAR—Oldsmar Tractor Co.

### GEORGIA.

ATHENS—Umbach F. G. (Harrows, etc)
ATLANTA—Atlanta Plow Co.
AUGUSTA — Wirtz & Hernlen (Hay Presses, Harrows, etc)
COLUMBUS—Southern Plow Co. (Plows, Cultivators, Harrows, Cotton Planters, etc)
MACON—Gantt Mfg. Co. (Cotton Planters, Guano Distributors & Grain Drills, etc)
Williams Mfg. Co. (Hay Presses)
MORELAND—Camp E. N. & Sons Co.
NEWNAN—Cole R. D. Mfg. Co. (Corn Mills)
ROME—Towers & Sullivan Mfg. Co. (Plows, Harrows, Cultivators)
SAVANNAH—Weed J. D. & Co. (Wholesale).
WINDER—Woodruff Machinery Mfg. Co. (Pea Thresher, etc)

### ILLINOIS.

ALBION—Miller A. J. Four Point Hay Fork Co.
Painter & Frankland (Plows)
ALTON—Hapgood Plow Co. (Corn Planting Drills, Plows, Listers, etc)
ARLINGTON HEIGHTS—Kolling Husker Wks (Corn Huskers & Shredders)
AURORA—Western Wheeled Scraper Co. (Plows, Road Machinery, etc)
AVA—Spinner Ed. F. (Plows, etc)
BATAVIA—Appleton Mfg. Co. (Feed Mills, Stalk Cutters, Corn Shellers, Feed Cutters, etc)
Challenge Co. (Feed Mills, Corn Shellers, etc)
Sperry D. R. & Co. (Farm Boilers, Feed Cookers, etc.)
U. S. Wind Engine & Pump Co. (Corn Shellers)
BELLEVILLE—Belleville Shock Mover Co.
Gundlach P. M. Sons
Harrison Machine Works (Threshers & Straw Stackers)
BLOOMINGTON—Constant B. S. Mfg. Co. (Grain Machinery)
BUSHNELL—Norcross C. S. & Sons (Garden Cultivators Adjustable Hand)
CANTON—Parlin & Orendorff Co. (Plows, Harrows,, Cultivators, Planters, Listers, Potato Diggers, Stalk Cutters. etc)
CHICAGO—Aermoter Co. (Feed Mills), 2500 W 12th
Bristol & Gale Co. (Harrows, Corn Shellers, etc), 158 Carroll av
Creamery Package Mfg. Co. (Dairy & Creamery Machinery, etc), 61 W Kinzie
International Harvester Co., Harvester bldg.
Kaestner & Hecht Co. (Mills Feed Grinding), 500 Throop
Masters Planter Co. (Hand Transplanters), 229 N. State
Pratt Wm. E. Mfg. Co. (Dehorners, Seed Sowers,, etc), 35 W Lake
Whitaker Mfg. Co. (Cultivators, Hay Carriers, etc), 409 S. Green
DECATUR—Baird Harvester Co.
Hartley C. J. Co. (Grain Weighers, etc) (See Peoria)
Stevens Mfg. & Foundry Co. (Potato Diggers & Planters, etc)
Union Iron Works (Power Corn Shellers)
DIXON—Grand Detour Plow Co. (Plows, Harrows,, Cultivators, Listers, Disc Plows & Engine Gang Plows)
DWIGHT—Spencer J. A. (Hay Presses)
EAST MOLINE—Deere John Harvester Works
Marseilles Works of Deere & Co. (Feed Mills, Grain Elevators, Manure Spreaders, Corn Shellers, etc)
EDWARDSVILLE—Springer Bros. Mfg. Co (Potato Planters)
ELGIN—Elgin Wind Power & Pump Co. (Feed Mills)
FREEPORT—Schofield & Co. (Potato Planters & Diggers)
Stover Mfg. & Engine Co. (Feed Mills)
GALESBURG—Galesburg Coulter Disc Co.
GALVA—Hayes Pump & Planter Co. (Harrows, Cultivators, Planters, Listers)
Galva Heater Co. (Corn Planters)
Wistrand Mfg. Co. ("Blue Star" Corn Planters)
GRAFTON—Rippley Mfg. & Steel Boat Co. (Feed Mills & Cookers)
HARVARD—Hunt, Helm, Ferris & Co. (Hay Carriers, etc)
HAVANA—Crescent Forge & Shovel Co. (Garden Plows)
HOMEWOOD—Steiner August (Corn Pickers & Huskers)
JOLIET—Humphrey & Sons (Bone & Clover Cutters, Hand Seed Sowers)
Joliet Mfg. Co. (Corn Shellers)
KEWANEE—Boss Mfg. Co. (Hand Corn Huskers)
Peters Pump Co. (Planters & Pumps)
LE ROY—National Harrow Co.
LINCOLN—Sheer E. (Land Rollers, Stalk Rakes, etc)
MAROA—Maroa Mfg. Co. (Cultivators & Car Loaders)
MARSEILLES—Marseilles Harrow Mfg. Co. (Harrows)
MENDOTA—Mendota Mfg. & Transfer Co. (Rakes)
Tower J. D. & Sons Co. (Cultivators, Pulverizers, Clod Crushers, etc)
Wills Mfg. Co. (Tank Heaters, etc)
MINIER—Schroeder H. V. Mfg. Co. (Grain Dumps, etc)
MOLINE—Deere John Plow Works (Walking, Riding, Tractor & Disc Plows; Walking, Riding, Two Row, Lister & Disc Cultivators)
Deere & Co. (Plows, Harrows, Cultivators, Listers, Grain Binders, Corn Binders, Mowers & Rakes) (General Office)
Deere Works (Corn Planters, Cotton Planters, Disc Harrows, Cultivators)

ILLINOIS—Moline—continued
Moline Plow Co. (Drills, Plows, Harrows, Cultivators, Planters, Listers)
Sechler D. M. Implement & Carriage Co. (Harrows, Corn Planters, etc)
MONMOUTH—Milne Mfg. Co. (Stump Pullers)
Monmouth Plow Factory (Plows)
Pattee Plow Co. (Cultivators, Plows, etc)
MORTON—Kramer Rotary Harrow Co.
Meyer A. F. Mfg. Co. (Grain Dumps)
Meyer Corp. (Hog Feed Grinders, & Hog Greasers, etc)
MT. OLIVE—Niemann & Hieronymus (Rotary Hoes)
OTTAWA—Jordan R. C. (Hay Carriers)
King & Hamilton Co. (Cultivators, Corn Shellers)
Porter J. E. Co. (Hay Carriers)
PEKIN—Duisdieker Foundry & Mfg. Co. (Clod Crushers & Pulverizers)
PEORIA—Acme Harvesting Machine Co. (Harvesters, Binders, etc)
Avery Co. (Threshers, Gas & Oil Tractors, Engine Gang Plows, Motor Trucks, Motor Planters & Cultivators).
Hart Grain Weigher Co. (Grain Weighers)
Hartley C. J. Co. (Grain Weighers, etc)
Herschel R. Mfg. Co. (Sickles, etc)
Holt Mfg. Co.
Peoria Drill & Seeder Co. (Grain Drills, Seeders, etc)
Sester Mfg. Co. (Seeders)
PERU—Peru Plow & Wheel Co. (Plows,, Harrows, Cultivators, Planters, Listers)
PLANO—Independent Harvester Co. (Binders, Mowers, Plows, Harrows, etc)
PONTIAC—Meadows Mfg. Co.
Spartan Mfg. Co. (Feed Grinders)
QUINCY—Collins Plow Co. (Plows, Harrows, Cultivators, Hay Presses, etc)
**ELECTRIC WHEEL CO.** (Metal Wheels) Station D
*See adv index at end of book*
Empire Mfg. Co. (Feed Cookers, Metal Wheels, etc)
Ertel Geo. Co. (Hay Presses, etc)
ROCK FALLS—Ulrich Mfg. Co. (Cultivators, etc)
ROCKFORD—Emerson-Brantingham Co. Mowers, Plows, Cultivators, Rakes, Planters, Listers, Threshers, Drills, Traction Engines, Gas Tractors, Grain & Corn Binders, Hay Tools, etc.)
Rockford Mfg. Co. (Plows, Harrows, Cultivators)
ROCK ISLAND—Rock Island Plow Co. (Plows, Harrows, Cultivators, Hay Loaders, Hay Rakes, Planters, Listers, Drills, Seeders & Sowers)
ROCKTON—Weber Mfg. Co. (Fanning Mills)
SANDWICH—Sandwich Mfg. Co. (Feed Mills, Hay Loaders, Corn Shellers, Hay Presses)
SHELBYVILLE—Sturgis W. B. & Sons (Plows)
SPARTA—Sparta Plow Works (Plows, Harrows, Cultivators)
Sproul Matt. Co.
SPRINGFIELD—Fetzer & Co. (Corn & Grain Drills, Disc Rollers, Pulverizers, Packers, Harrows, Transplanters, etc)
Heineke & Co. (Straw Stackers & Self Feeders)
STERLING — Platt Addison J. (Potato Planters)
Sterling Mfg. Co. (Cultivators, etc.)
SYCAMORE — Illinois Thresher Co. (Threshing Machines)
WASHINGTON—Camp Bros. & Co. (Grain Dumps)
WHEATON—Davenport Planter Co.

## INDIANA.

CAMBRIDGE CITY—National Drill Co. (Cultivators, Grain Drills, etc)
CROWN POINT—Letz Mfg. Co. (Corn Planters, Feed Grinders, etc)
EAST CHICAGO—Famous Mfg. Co. (Hay Presses, etc)
EVANSVILLE — Blount Plow Works (Plows, etc)
Davidson-Dietrich Plow Co. (Plows, etc)
Hartig W. F. Plow Co. (Plows, Cultivators)
Hellman Machine Works (Threshers & Engines)
Smith, John C. Hoe & Tool Co. (Hoes)
Vulcan Plow Co. (Plows, etc)
FORT WAYNE—Good Roads Machinery Co. (Plows & Road Making Machinery)
GOSHEN—Abbott S. B. (Hand Seeders)
Goshen Mfg. Co. (Hay Slings)
HAMMOND—Champion Potato Machinery Co. (Potato Planters, Diggers, etc; also Peanut Planters, etc)
INDIANAPOLIS—American Buncher Mfg. Co. (Bunchers for Clover, Timothy, Oats, Peas, etc), Oliver & Harding
Haywood Implement Co. (Garden Tools)
Indiana Mfg. Co. (Straw Stackers), Merchants Bk. bldg
Nordyke & Marmon Co. (Feed, Corn & Cob Mills, Corn Shellers, etc), Kentucky av
Russell Wind Stacker Co. (Straw Stackers), 1001 Shelby
Sattley Stacker Co., 408 Telephone
KENDALLVILLE—Flint & Walling Mfg. Co. (Wind Mills, etc)
LAPORTE — Advance Rumely Co. (Threshers, Stackers, Traction Engines, Clover Hullers & Grain Weighers)
LIBERTY—Rude Mfg. Co. (Cultivators, Grain & Corn Drills, Rakes, etc)
LIBERTY MILLS — Rittenhouse J. F. (Grain Seeders)
MISHAWAKA—Perkins Wind Mill Co. (Feed Mills, Cutters, Corn Shellers)
MOUNT VERNON—Keck-Gonnermann Co. (Threshers, etc)
RICHMOND—American Seeding Machine Co.
Eureka Fence Mfg. Co. (Hand Corn Planters)
Swayne, Robinson & Co. (Threshers)
Wayne Works (Inc.) (Grain Drills, Planters, Seeders & Sowers)
SOUTH BEND—Birdsell Mfg. Co. (Straw Stackers, Clover Hullers, etc)
Bowsher N. P. Co. (Feed Mills, Grain Crushers)
Oliver Chilled Plow Works (Plows, Harrows, Cultivators, Listers & Planters)
South Bend Chilled Plow Co. (Plows, Harrows, Cultivators)
URBANA—Cyclone Seeder Co. (Seed Sowers)
VERNON—Reed & Rogers Mfg. Co. (Harrows & Pulverizers, etc)
VINCENNES—Hartman Mfg. Co. (Cultivators, etc)
WASHINGTON—Clore Wm. H. Mfg. Co. (Cultivators & Plows)

## IOWA.

CARROLL—Gross Co. (Plow Eveners)
CENTERVILLE—Hercules Mfg. Co. (Feed Mills & Stump Pullers)
COUNCIL BLUFFS—Orndorff O. F. (Corn Planters, Hay Stackers, etc.)
Walker Mfg. Co. (Hay Rakes, Stackers, etc)
CRESCO—Caward R. S. (Plows & Grubbing Machinery)
DAVENPORT—Voss Bros. Mfg. Co. (Corn Cutters)
DES MOINES—National Mfg. Co. (Seed Testers)
Wood Bros. Thresher Co. (Threshers, Traction Engines, etc)
FAIRFIELD—Louden Machinery Co. (Hay Forks & Carriers, etc)
MARSHALLTOWN—Light Draft-Harrow Co.
MONTROSE—American Fork & Hoe Co.
NASHUA — Bloom Mfg. Co. (Manure Spreaders, Harrows, etc)
NEWTON—Maytag Co. (Hog Troughs, Hay Presses, Self-Feeders, etc)
OTTUMWA—Armstrong Mfg. Co. (Corn Rakes)
Dain Mfg. Co. (Feed Mills, Hay Loaders, Haying Tools, Rakes, Hay Presses)
PELLA—Garden City Feeder Co. (Straw Stackers, Band Cutters & Self-Feeders)
PRAIRIE CITY—Dowden Mfg. Co. (Ltd) (Harrows, Potato Diggers, etc)
WATERLOO — Bovee Furnace Works (Grinding Mills)
Galloway Wm. Co. (Harrows, Cream Separators, Manure Spreaders, etc)
Inter-State Engine & Tractor Co. (Farm Implement)
Litchfield Mfg. Co. (Manure Spreaders, Feed Grinders, etc)
Swift Mfg. Co. (Feed Mills & Cookers)
WAUKON—Johnson John S. & Son (Lever Harrows)
WEBSTER CITY—Closz Chas. Co. (Threshing Screens, etc)

## KANSAS.

ATCHISON—Bailor Plow Mfg. Co. (Cultivators, etc)
KANSAS CITY—Clippinger A. B. & Son Mfg. Co. (Hay Stackers)
Strait H. N. Mfg. Co. (Hay Presses, etc)
LEAVENWORTH—Great Western Mfg. Co. (Grain & Rice Cleaners)
NEWTON — Prairie Queen Mfg. Co. (Threshers)
SALINA—Kouns Wesley (Hay & Grain Rakes, Loaders & Stackers combined, Push Rakes)
Wyatt F. Mfg. Co. (Hay Stackers)
Ziegler W. F. (Corn Harvesters, etc)
TOPEKA—Currie Windmill Co. (Feed Mills)
Topeka Foundry & Iron Works (Sub-Surface Soil Packers)
WICHITA—Reschke Machine Works Co. (Bean & Corn Cultivators, etc.)

## KENTUCKY.

CARLISLE—King R. C. (Blue Grass Seed Strippers)
LOUISVILLE—Avery B. F. & Sons (Plows, Harrows, Cultivators, Rakes, Planters, etc)
Brinly Hardy Co. (Plows, Hand Corn Shellers, Cotton Scrapers & Sweeps, Harrows, etc)
Red Chief Mfg. Co. (Corn Shellers)
MAYSVILLE—Hall Jas. H. Plow Co. (Plows, Potato Diggers, etc)

## MAINE.

NORTH BERWICK—Hussey Plow Co. (Cultivators, Plows, etc)

## MARYLAND.

BALTIMORE—Rawlings Implement Co. (Harrows), 11 W. Pratt

## MASSACHUSETTS.

BARRE—Allen Charles G. Co. (Rakes, Plows, etc)
BOSTON—Ames Plow Co. (Plows, Harrows, Cultivators, Planters, Garden Implements, Feed Cutters), Quincey Hall
CHICOPEE FALLS—Belcher & Taylor Agricultural Tool Co. (Plows, Harrows, Fanning Mills, Cultivators, Planters, Tedders, Feed Cutters, Potato Diggers, etc)
MILFORD—Mann F. W. Co. (Corn Shellers, Clover Cutters, etc)
WORCESTER — Richardson Mfg. Co. (Mowers, Rakes, Tedders)

## MICHIGAN.

ALBION—Gale Mfg. Co. (Plows, Harrows, Cultivators, Rakes, Planters, Listers, Seeders & Sowers)
ANN ARBOR—Ann Arbor Machine Co. (Feed Cutters, Hay Presses, etc)
BAD AXE—Huron Implement Co. (Harrows & Cultivators)
BATTLE CREEK—Nichols & Shepard Co. (Threshers, Stackers, Grain Weighers, Feeders, Gas & Steam Tractors)
BLAINE—Fair Geo. & Son (Plows)
BURR OAK—Sheffield Mfg. Co. (Corn & Potato Planters)
DETROIT—Campbell Manson & Sons Co., Ltd. (Fanning Mills), 45 Federal
DOWAGIAC—Dowagiac Drill Co. (Grain Drills, Seeders & Sowers)
GREENVILLE—Greenville Implement Co. (Cultivators, Plows, Feed Cutters)
Moore Plow & Implement Co. (Plows, Cult)
HOLLY—Patterson Mfg. Co. (Bean Harvesters, Cultivators, etc.)
HOMER—Seeder Mfg. Co. (Seeders & Sowers)

IONIA—Arnold's G. W. Son (Cultivators, etc)
JACKSON—Aspinwall Mfg. Co. (Potato Planters & Diggers, etc.)
Watts Mfg. Co. (Corn Shellers)
KALAMAZOO—Clark Engine & Boiler Co. (Feed Cookers, etc.)
Kalamazoo Tank & Silo Co.
Reed Fdry. & Mach. Co. (Cultivators, etc)
LAPEER—Bostick Stove Co. (Plows)
McDonald Wm. Sons (Cultivators, etc)
MONROE—Wilder-Strong Implement Co. (Harvesters, Plows, Feed Cutters)
MOUNT CLEMENS — Donaldson Bros. (Plows, Harrows, Cultivators, Planters, Feed Cutters)
NORTHVILLE—American Bell & Foundry Co. (Corn Shellers, Fruit & Potato Sorters, etc)
PONTIAC—Bacon Mfg. Co. (Seeder & Garden Cultivators)
PORT HURON—Port Huron Engine & Thresher Co. (Threshers, Stackers, Feeders, Corn Shellers, Weighers, etc)
PORTLAND—Portland Foundry Co.
RICHMOND—Parker Plow Co.
ST. JOHNS—Mason F. C. & Co. (Weeders)
SAGINAW—Ferrell A. T. & Co. (Bean Cleaners & Sorters)
STURGIS—Freeland B. F. Sons Co.
TECUMSEH—Heesen Bros. Co. (Feed Cookers)
TRAVERSE CITY—Potato Implement Co. (Acme Corn & Potato Planters)
YPSILANTI—Thompson O. E. & Sons (Root Cutters & Grass Seeders),
Ypsilanti Hay Press Co.

## MINNESOTA.

ALBERT LEA—Edwards C. D. (Stump Pullers)
Olson Mfg. Co. (Hay Tools)
CROOKSTON—Crookston Mfg. Co. (Land Roller & Soil Pulverizer)
LONG PRAIRIE—Hausmann Mfg. Co. (Binder Attachments)
MANKATO—Little Giant Co. (Ditchers, Graders & Tractors)
MINNEAPOLIS—Cleland Mfg. Co. (Fanning Mills), 280 Washington av N
Disc Grader & Plow Co. (Plows, etc), 400 N E Pierce
Howell R. R. & Co. (Feed Mills), 31st av
Keller Mfg. Co. (Cultivators, etc), 1325 N E Quincy
Kinnard & Sons Mfg. Co., 44th av N. & Bryant
Minneapolis Threshing Machine Co. (Threshers, Stackers, Corn Shellers, Baggers, etc.), Hopkins
Owens J. L. Co. (Fanning Mills, Grain Cleaning Machinery), Fulton & S. E. Huron
Twin City Separator Co. (S. Fanning Mills), 29th & Colfax av S
MORRIS—Vaughn Mfg. Co. (Fanning Mills)
NORTH BRANCH—Splittstoser Co. (Potato Sprayers)
OWATONNA—Owatonna Mfg. Co. (Grain Drills, Seeders & Sowers, Churns, etc)
ST. LOUIS PARK—Martin M. R. (Feeding Mills)
Monitor Drill Co. (Grain Drills, Cultivators, etc)
ST. PAUL—Anderson Company (Harrows, Rakes, Stackers, etc.), 2324 University av
Eckhardt Mfg. Co., 2300 University av
Fosston-Carpenter Co. (Fanning Mills, Grain Cleaners & Separators)
Hackney Mfg. Co. (Auto Plows)
WINONA—Diamond Huller Co. (Cottonseed Machinery, etc)
New Winona Mfg. Co. (Feed Mills, Corn Shellers, Hay Presses, etc)

## MISSISSIPPI.

HATTIESBURG—Komp Machinery Co.
MERIDIAN—Hyde Chas. J. (Hay Presses, etc)

## MISSOURI.

CAIRO—Boney A. T. (Hay Stackers)
CHILLICOTHE—Jenkins Hay Rake & Stacker Co. (Feed Mills, Haying Tools, etc)
HUNTSVILLE—Fleming & Sons Mfg. Co. (Haying Tools, Rakes, Stackers, etc)
JONESBURG—Godfrey H. M. (Walking Plows)
KANSAS CITY—Admiral Hay Press Co. (Hay Presses)
Kansas City Hay Press Co. (Hay Presses, Haying Tools, etc)
Smith & Sons Mfg. Co. (Plows, Rakes, Hay Presses)
LINNEUS—Superior Hay Stacker Mfg. Co. (Hay Stackers)
LOUISIANA—Buffum Tool Co. (Hand Cultivators, Weeders, etc.)
MOBERLY—Missouri Hay Press Co.
NORTH KANSAS CITY—McCargar L. B. Mfg. Co.
OLNEY—Stroker Fritz C. & Son (Plows)
SEDALIA—Barley Thos. K. (Harrows, Haying Tools, etc)
UNIONVILLE—Stalcup E. L. (Hay Stackers)
WASHINGTON—Buhr Mfg. Co. (Plows)

## NEBRASKA.

BEATRICE—Beatrice Iron Works (Cultivators, Grain Drills, Land Rollers, etc)
Dempster Mill Mfg. Co. (Cultivators, Grain Drills, etc)
DAVID CITY—Barker Mfg. Co. (Garden Weeders)
NEBRASKA CITY—King Drill Mfg. Co. (Grain Drills)
Plattner Yale Mfg. Co. (Hay Stackers, Rakes & Harrows, Lincoln, Neb.
SEWARD—Noxall Mfg. Co. (Grain Separators)

## NEW HAMPSHIRE.

ANTRIM—Goodell Co. (Hand Seed Sowers, Weed Diggers)
HINSDALE—Granite State Mowing Machine Co. (Mowers)

## NEW JERSEY.

GRENLOCH—Bateman Mfg. Co. (Plows, Harrows, Cultivators, Seeders, Planters, Sprayers, etc)
HIGHTSTOWN—Peppler Thos. Son & Co. (Plows, Corn Shellers, etc)
MILLINGTON—Nash Duane H. (Pulverizers, Harrows, Clod Crushers, Planters, etc)
MOORESTOWN—Doughten H. W. (Potato Diggers, etc)
NEWTON—Farrell John & Son (Hay Forks & Carriers)
RIVERTON—McWhorter Mfg. Co. (Seed Drills, Bean, Peanut & Potato Planters)

## NEW YORK.

AUBURN—Quick & Thomas Co. (Threshers, etc)
AVON—Champion Drill Co. (Cultivators, Grain Drills, etc)
BATAVIA—Batavia Machine Co. (Bean Separators)
Massey Harris Harvester Co. (Binders, Cultivators, Harrows, Mowers, Reapers, Rakes, Tedders, Seeders & Sowers)
Wiard Plow Co. (Plows, Harrows, Rakes, Planters, etc)
BINGHAMTON—Davis A. L. & Son.
BRASHER FALLS—Kennehan P. E. (Plows, etc)
BUFFALO—Buffalo Pitts Co. (Threshing Machinery, Plowing & Portable Engines, etc)
Hession Filler & Tractor Corp. (Tractors & Tellers)
Peerless Husker Co. (Corn Huskers, etc), 523 Cornwall av
CALEDONIA—Caledonia Bean Harvester Works (Cultivators, Planters, etc)
CATO—Dutton E. Q. & Co. (Plows, Hog Troughs, etc)
CENTRAL BRIDGE—Campbell S. K. Co. (Threshers)
COBLESKILL—Harder Mfg. Co. (Threshers, Fanning Mills, Manure Spreaders, etc)
COPAKE FALLS—Columbia Plow Works (Plows, etc)
EAST AURORA — Peek's S. H. Sons (Plows, Potato Planters & Diggers, etc)
EAST GALWAY—Fonda F. A. (Plows, etc)
EAST ROCHESTER—Ontario Drill Co. (Grain Drills)
GOWANDA—Gowanda Agricultural Works (Plows, Cultivators, etc)
GREENE—Lyon Iron Works (Feed Cutters)
GREENWICH — Eddy W. Plow Co. (Threshers, Plows, etc)
HAMBURG—Reuther Mfg. Co. (Potato Diggers)
HAMMOND—Evans B. A. (Harrows & Plows)
HILLSDALE—Mallery W. A. Jr. (Plows, Harrows, etc)
HOOSICK FALLS—Wood Walter A. Mowing & Reaping Machine Co. (Harvesters, Binders, Harrows, Cultivators, Rakers, Mowers, Reapers, Tedders, Manure Spreaders, etc)
LEONARDSVILLE—Babcock Mfg. Co. (Harrows, Cultivators, etc)
LEROY—Leroy Plow Co. (Plows, etc)
LYONS—Nagley Mfg. Co. (Tobacco Transplanters, Presses, etc)
MERIDIAN—Everts Mfg. Co. (Plows)
MOUNT MORRIS—Genesee Valley Mfg. Co. (Harrows, Grain Drills, Corn Shellers, Fanning Mills)
MUNNSVILLE — Munnsville Plow Co. (Plows, Cultivators, etc)
NEW YORK CITY—Woodhouse J. S. Co. (Cultivators, Harrows, Plows, etc.), 191 Water
PHELPS—Crown Mfg. Co. (Grain Drills, etc)
PORTLAND—Anderson Frank W. (Cultivators, etc)
POUGHKEEPSIE—Moline Plow Co. ("Adrience Platt Brand" Harrows, Mowers, Reapers, Binders, Rakes, etc)
RIVERHEAD—Riverhead Agrl. Works, (Harrows)
ROCHESTER—Ricker Mfg. Co. (Hay, Feed & Litter Carriers)
ROME—Adams S. & Son (Plows, etc)
ST. JOHNSVILLE—Clark Machine Co. (Threshers)
SCHENECTADY — Westinghouse Co. (Threshers, Stackers, Weighers)
SHORTSVILLE—Papec Machine Co. (Feed Cutters)
Star Seeder Co. (Wheelbarrow, Grass Seeders)
SPENCERPORT—Ireland & Helfrich, (Potato Diggers)
SYRACUSE—Engelberg Huller Co. (Rice Graders, Threshers, Separators, Hullers, etc)
Syracuse Chilled Plow Co. (Plows, Harrows, Cultivators, Potato Hillers & Diggers, etc)
UNION CENTER—Edson W. L.
UTICA—Eureka Mower Co. (Cultivators, Mowers, Planters, etc.), 16 Hickory
Smith D. B. & Co.
WARSAW—Warsaw-Wilkinson Co. (Ensilage Feed & Fodder Cutters)
YOUNGSTOWN—Ripson Wm. & Son (Plows, Harrows, Cultivators)

## NORTH CAROLINA.

CHARLOTTE—Cole Mfg. Co. (Planters & 3 Row Grain Drills)
GOLDSBORO—Wayne Agricultural Works Plows, etc)
GREENSBORO—Glascock Stove & Mfg. Co. (Feed Cutters)

## OHIO.

AKRON—Akron Cultivator Co. (Cultivators, Harrows, Plows, Harvesters, Bean Corn, etc)
ALLIANCE—Hist Potato Machinery Co.
ASHLAND—**MYERS F. E. & BRO**, 900 Fourth *See adv index at end of book*
AVERY—Hoover Mfg. Co. (Potato Diggers, & Sorters)
BELLEFONTAINE—Ironwood Mfg. Co. (Seed Cleaners)
BELLEVUE—Jeschke Edw. (Harvesters, etc)
Ohio Cultivator Co. (Cultivators, Plows Harrows, Planters, Listers, etc)
BEREA—Dunham Co. (Pulverizers & Rollers, etc)
BOWLING GREEN—Thornburgh Mfg. Co. (Hay Loaders, Garden Cultivators, Plows, Drills, etc)
BRYAN—Bryan Plow Co. (Plows, Harrows, etc)

OHIO—continued
BUCYRUS—Shunk Plow Co. (Plows, Handy Steel Farm Wagons, etc)
CANTON—Bucher & Gibbs Plow Co. (Plows, Harrows, Cultivators & Land Rollers)
**Dick Jos. Mfg. Co. (Fodder Cutters, etc)**
**Kohler F. E. Co. (Hand Corn Planters)**
Ney Mfg. Co. (Hay Carriers, etc)
Swineford G. A. Co. (Hay Carriers, etc)
CINCINNATI—Blymyer Iron Works Co. (Plantation Coffee & Rice Machy, etc)
Miller L. J., 1223 Harrison av
CLEVELAND—American Fork & Hoe Co. (Forks, Hoes, etc), Swetland bldg
**BARTLETT C. O. & SNOW CO.** (Corn Crushers & Shellers, Pearling Machy.)
*See adv index at end of book*
Cleveland Tractor Co. ("Cleveland" Tractors), Euclid & Lamb av
**Empire Plow Co.** (Plows, Harrows, Cultivators, Tractor Implements, etc.), 3140 E 65th
**Spalding Tilling Machine Co. (Disc Plows)**
COLDWATER—New Idea Spreader Co. (Manure Spreaders)
COLUMBIANA—Enterprise Co.
COLUMBUS—Columbus Plow Co.
Kilbourne & Jacobs Mfg. Co. (Scrapers). *See adv index at end of book*
CRESTLINE—Burch Plow Works Co. (Plows, etc)
International Mfg. Co. (Seed Cleaners)
DAYTON—Aughe Plow Co. (Plows)
Ohio Rake Co. (Harrows, Hay Loaders, Planters, Rakes, Tedders, Corn Shellers)
DEFIANCE—Defiance Welding Co. (Peg Tooth Harrow & Pulverizer)
DOYLESTOWN—Seiberling & Miller Co. (Mowers, Reapers, Binders, Harvesters, etc)
FREMONT—Lehr Agricultural Co. (Cultivators, Harrows, etc)
GALENA—Hughes & Smythe (Revolving Rakes, Corn Planters, etc)
GERMANTOWN—Emrick A. E. (Plows, Harrows & Tobacco Presses)
HAMILTON—Long & Allstatter Co. (Cultivators, Harrows, etc.)
HARRISON—Campbell Bros. Mfg. Co. (Corn Drills, etc)
HILLSBORO—Bell C. S. Co. (Feed Mills, Cane Mills, etc)
KENT—Peterson Mfg. Co. (Pulverizers & Clod Crushers)
LANCASTER—Eagle Machine Co. (Feed Mills, Hand Planters, Corn Shellers, Feed Cutters)
Hocking Valley Mfg. Co. (Corn Shellers, Hay Rakes, Tedders & Loaders, Feed Cutters)
LOGAN—Logan Fdry. & Machine Co. (Plows, etc)
MADISON—Genung C. W. (Garden Seed Drills & Cultivators)
MALTA—Brown-Manly Plow Co. (Plows, Cultivators, etc)
MANSFIELD—Aultman & Taylor Machy Co. (Threshers, Stackers, Clover, Trailers)
Lean Roderick Mfg. Co. (Harrows, Cultivators, Weeders, etc.)
MARION — Huber Mfg. Co. (Threshers, Stackers, Weighers, Engines, etc)
MARTINSVILLE—West & Townsend (Cultivators)
MARYSVILLE—Adams Husker Co.
MASSILLON—Harrison W. R. & Co. (Fodder Cutters, etc)
Russell & Co. (Threshers, Stackers, etc)
NAPOLEON—Heller-Aller Co. (Feed Cookers, Farm Boilers, Hog Scalders, Hog Waterers, etc)
NEW LEXINGTON—Star Mfg. Co. (Feed Mills, Grinders, etc)
NORTH FAIRFIELD — Fairfield Plow Works (Plows)
RIPLEY—Ripley Fdry. & Machine Co. (Pulverizers, etc)
SALEM—Silver Mfg. Co. (Feed Mills, Feed Cutters), No. 256
SPRINGFIELD—American Seeding Machine Co. (Grain Drills, Seeders & Sowers, Broadcast Disk, Harrows, etc)
Bayley Wm. Co. (Feed Mills, Hand Grist Mills & Corn Shellers)
Buffalo-Springfield Roller Co.
Duplex Mill & Mfg. Co.
Excelsior Drill Co.
International Harvester Co. of America, (See Chicago, Ill.
Mast, Foos & Co. (Lawn Mowers, Wind Engines, Pumps, etc)
Roberts Thos. (Feed Mills)
Ross E. W. Co. (Feed, Fodder & Ensilage Cutters, Silos & Grinding Mills, etc)
Superior Mfg. & Mill Co.
Thomas Mfg. Co. (Grain Drills, Hay Loaders, Rakes, Tedders, etc)
SWANTON—Baker A. D. Co. (Threshers, Traction Engines, etc)
TIFFIN—Tiffin Wagon Co. (Corn Shellers, etc)
UPPER SANDUSKY—Ohio Mfg. Co.
URBANA—Bechtolt Geo. E. (Plows)
WESTERVILLE—Bennet H. L. & Co. (Corn Harvesters, Stump Pullers, etc)
WILMINGTON—Hunnicutt Chas. Co. (Seed Corn Graders)
ZANESVILLE—Brown Mfg. Co. (Plows, Harrows, Cultivators, etc)

## OKLAHOMA.

MUSKOGEE—Swanson Plow Co. (Plows, Planters, Harrows, Cultivators, Stalk Cutters, Hay Presses)

## PENNSYLVANIA.

CLEONA—Imboden Harrow & Roller Co. (Harrow & Land Roller Combined)
COCHRANTON — Nonpareil Mfg. Co. (Spreaders)
DOYLESTOWN—Doylestown Agricultural Co. (Threshers, Fodder Cutters)
EASTON—Hobson & Co
**WILSON BROS.** (Feed Mills, Feed Cutters) *See adv index at end of book*
ELIZABETHTOWN—Buch's A. Sons Co. (Corn Shellers, Fanning Mills, Feed Cutters)
ELYSBURG—De Shay D. H. (Corn Plows, Potato Diggers, etc)
GREENCASTLE—Walck Henry S. (Grain Cradles, Rakes, etc)
HAMBURG — Hamburg Plow Works (Plows, Potato Diggers)
INDIANA—Indiana Foundry Co. (Feed Cutters)
KENNETT SQ.—American Road Machinery Co. (Plows, etc)
Good Roads Machy. Co.
LANCASTER—Dellinger A. M. (Feed Grinding Mills, etc)
LANESBORO—Barnes Mfg. Co. (Plows, etc)
LANSDALE—Heebner & Sons (Threshers, Harrows, Feed Mills, Feed Cutters)
LERAYSVILLE—Bailey E. M. & Son (Plows, etc)
MIFFLINBURG—Albright Jas. H. & Sons (Harrows, Cultivators, Rakes, Feed Cutters)
MOUNTVILLE — Mountville Mfg. Co. (Plows, Planters, Corn Shellers, etc)
MUNCY—Sprout, Waldron & Co. (Feed Mills, Corn Shellers, etc)
NEW HOLLAND—New Holland Machine Co.
ORANGEVILLE—Conner J. W. & Son (Feed Cutters, Harrows, Threshers, Separators, etc)
PHILADELPHIA—Allen S. L. & Co. ("Planet, Jr.," Cultivators, Planters, Seeders), 5th & Glenwood
**Straub A. W. Co. (Feed Mills, etc),** 3741 Filbert
POTTSTOWN—Ellis Keystone Agricultural Works (Threshers)
READING—Lessig Geo. D. & Son (Feed Cutters)
RIMERSBURG—Kaster P. M. (Plows, etc)
SCRANTON—Scranton Forging Co.
*See adv index at end of book*
TATAMY—Messinger Mfg. Co. (Planters, Tedders, Threshers, Feed Cutters)
WAYNESBORO—Frick Co. (Threshers, Stackers, Shellers, Traction Engines)
YORK—Farquhar A. B. Co. Ltd. (Threshers, Plows, Grain Drills, Saw Mills, Potato Diggers, Cultivators, Hydraulic Presses, Steam & Gas Tractors, Corn Planters & Shellers, Engines & Boilers, Feed Cutters)
Hench & Dromgold Co.

## SOUTH DAKOTA.

SIOUX FALLS—Deere John Plow Co.
WATERTOWN—Lee Bros. (Plows, Harrows, etc)

## TENNESSEE.

CHATTANOOGA—Chattanooga Implement & Mfg. Co. (Hay Presses, Plows & Cultivators)
Chattanooga Plow Co. (Plows, Cane Mills, Evaporators, Cotton & Corn Planters, etc)
Ross-Meehan Foundry Co. (Feed Cutters)
Sanders Newell Plow Co. (Plows)
CLARKSVILLE—Patch A. H. (Corn Shellers)
HARRIMAN—Harriman Mfg. Co. (Plows, Cotton Planters, Harrows, Feed Mills)
KNOXVILLE—Oliver Wm. J. Mfg. Co. (Plows)
MEMPHIS—Ellis Wm. C. & Sons Iron Works (Cotton Seed Cleaners)
MORRISTOWN—Koger Pea & Bean Thresher Co.
Ross-Meehan Foundries (Feed Cutters)

## TEXAS.

BRENHAM—Schuerenberg F. W. (Plows)
DALLAS—Murray Co. (Cotton Gins, Presses, etc)
Southern Plow Co. (Plows, Cotton & Corn Planters, Harrows & Stalk Cutters, etc)
Texas Disc Plow Co. (Plows)
LONGVIEW—Kelly G. A. Plow Co. (Cultivators, Planters, Steel Shapes, Cast & Steel Plow Goods, Cast Steel & Chilled Plows)

## VERMONT.

BARTON—Murkland Jno. W. Co. (Plows)
BELLOWS FALLS—Derby & Ball (Grain Cradles)
Vermont Farm Machine Co.
RANDOLPH—Sargent, Osgood & Roundy Co. (Cultivators, Plows, Potato Hillers, Corner Hay Racks, etc)

## VIRGINIA.

ALEXANDRIA—May Wm. H. & Son (Plows)
BRIDGEWATER—Bridgewater Plow Corporation
CHARLOTTESVILLE—Harris R. F. & Co.
FREDERICKSBURG—Hunter Chas. E. Farmers' Friend Plow Works (Plows)
HARRISONBURG—Bradley P. & Sons (Plows, etc)
LYNCHBURG—Lynchburg Foundry Co. (Plows)
Lynchburg Plow Works (Walking Plows)
NORFOLK—Billups C. Son & Co. (Plows)
White's S. R. Sons (Plows, Cultivators, Planters, Corn Shellers & Feed Cutters)
Whitehurst R. W. Mfg. Corp. (Plows, Hay Presses)
PETERSBURG—Ayers J. R. (Fertilizer Distributors, Planters, etc)
RICHMOND—Call-Watt Co. (Plows)
Cardwell Machine Co. (Threshers, Planters, Feed Cutters, Horse Powers, Hay Presses), 1900 E. Cary
Starke's Dixie Plow Works (Ashton Starke, Prop.) (Plows, etc)
STAUNTON—Leader Plow Co. (Garden Plows)

## WASHINGTON.

SPOKANE — Northwest Harvester Co. (Harvesters)
WALLA WALLA—Washington Weeder Works (Disc Weeder Cultivators)

## WISCONSIN.

ALGOMA—Wodsedalak Jos. (Feed Cutters, etc)
APPLETON—Appleton Hay Tool Co. (Hay Tools)
BEAVER DAM—Beaver Dam Mfg. Co. (Seeders)

BELOIT—Thompson Plow & Engine Works (Plows, Harrows, Cultivators, Listers, etc)
BRANDON—Sherwin E. C. & Son (Harrows)
BRILLION—Brillion Iron Works (Plows, Clod Crushers & Land Rollers)
EVANSVILLE—Baker Mfg. Co. (Feed Mills, Windmills, etc)
FOND DU LAC—Glasow Fred. (Plows)
FORT ATKINSON — Pounder Geo. H. (Harrows)
HORICON—Van Brunt Mfg. Co. (Cultivators, Grain Drills, Seeders, etc)
JANESVILLE—Janesville Machine Co. (Plows, Harrows, Cultivators, Listers, etc)
Sampson Tractor Co. (Tractors & Trucks)
Strickler Hay Tool Co. (Haying Tools)
JEFFERSON—Vaughn Mfg. Co. (Harrows, Grain Mills, etc)
KEWAUNEE—Hamachek Frank (Plows, Feed Mills, Feed Cutters)
LA CROSSE—La Crosse Plow Co. (Plows, Harrows, Cultivators, Grain Drills, Listers, Seeders)
McKenzie Mfg. Co. (Potato Machinery)
Smith Mfg. Co. (Stump Pullers)
MADISON—Madison Plow Co. (Plows, Harrows, Cultivators, Planters, etc)
MANITOWOC—Gaterman Mfg. Co. (Canada Thistle Cutters & Clover Bunchers)
Smalley Mfg. Co. (Corn Shellers, Plows, Feed Cutters)
MILWAUKEE—Allis-Chalmers Mfg. Co. (Farm Tractors & Rotary Soil Tillers)
Dorsch John & Sons (Potato Hiller & Digger Combined), 209 Wells
Hirsch Bros. (Potato Planters, Root Cutters, etc), 267 Reed
Lindsay Bros. (Band Cutters & Self Feeders), 78 Reed
Milwaukee Hay Tool Co. (Corn Huskers, Fodder Shredders & Haying Tools), Layton park
Rosenthal Corn Husker Co. (Huskers & Shredders Corn), West Allis
RACINE—Belle City Mfg. Co. (Feed & Ensilage Cutters, etc)
Case J. I. Plow Works (Plows, Harrows, Cultivators, Planters, Listers, etc, for Tractors & Horses)
Case J. I. Threshing Machine Co. (Threshers, Stackers, Weighers, etc)
Foster & Williams Mfg. Co. (Drag Rakes, Seeders, Fanning Mills, Feed Cutters,, Windmills, Feed Cutters, etc), Dept. O.
Freeman Mfg. Co. (Corn Shellers, Seeders, Fanning Mills)
Johnson & Field Mfg. Co. (Seeders, Fanning Mills, Land Rollers, etc.)
Wabers Mfg. Co. (Hand Corn & Potato Planters)
RIPON—Hazen W. S. (Harrows)
SHEBOYGAN—Blocki F. Co. (Clover Bunchers, Pea Harvesters, etc)
Globe Co. (Feed Mills & Feed Cutters)
SPARTA—Sparta Iron Wks Co. (Stump Pullers)
SUPERIOR—Duplex Mfg. Co. (Feed Mills, etc)
WATERLOO—Drew Carrier Co. (Feed & Litter Carriers)
WAUKESHA—Rowell I. B. Co. (Plows, Harrows, Feed Cutters, Ensilage Cutters)
WAUPUN—Althouse-Wheeler Co. (Feed Mills, etc)
Olson O. C. (Plows)
WAUSAU—Wausau Foundry & Machine Co. (Feed Cutters)
WEST BEND—Gehl Bros. Mfg. Co. (Feed & Fodder Cutters, Corn Shellers, Hay Tedders, Harrows, etc)

## 93—Agricultural Implement Parts & Shapes

American Shovel & Stamping Co., Lorain, O.
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Cambria Steel Co., Widener bldg, Phila., Pa.
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.
Empire Plow Co. (Cultivator, Attachments, Clevises, Coulters, Grain Drill Points, etc), 3140 E 65th, Cleveland, O.
Havana Metal Wheel Co. (Plow Shares, Points, Lister Shares, Sub-Soilers, etc), Havana, Ill.
Janesville Machine Co. (Harrow Attachments), Janesville, Wis.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Mason F. C. & Co. (Potato Digger Blades, Harrow Shoes, Corn Planters, Plows)
Noll Bros., 849 Allis, Milwaukee, Wis.
Parlin & Orendorff Co., Canton, Ill.
Pennsylvania Drop Forging Co. (Finished Steel), 937 French, Pittsburgh, Pa.
Star Mfg. Co. (Steel), Carpentersville, Ill.

## 94—*Air Brake Storage Systems

**WESTINGHOUSE TRACTION BRAKE Co.**, Pittsburgh, Pa.

## Air Conditioning

See Washers (Air)

## 95—Air Cooling & Purifying Apparatus

See also Humidifying Apparatus; also Washers
American Blower Co. ("Sirocco"), 1400 Russell, Detroit, Mich.
American Spray Co., 26 Cortlandt, New York
Bremer Air Conditioning Corp., Lafayette bldg, Philadelphia, Pa.
Carrier Engg. Corp., 39 Cortlandt, New York
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Parks-Cramer Co. ("Parks-Cramer"), Fitchburg, Mass.

## 95a— Air Ducts (Steel)

**HELTZEL STEEL FORM & IRON CO.**, Warren, O.

## 95b—*Aircraft Wire, Strand & Cord

**ROEBLING'S JOHN A. SONS CO.** Main Office, Trenton, N. J., Works, Trenton & Roebling, N. J. *See adv index at end of book*

## 96—Airlocks (Sewerage, Automatic)

Merritt Hydraulics Co. ("Merritt"), 110 N Broad, Philadelphia, Pa.
Priestman Albert ("Merritt"), 328 Chestnut, Philadelphia, Pa.

## 97— Airmeters

Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

## 98—*Air Motors & Air Hoisting Machinery

**DETROIT HOIST & MACHINE CO.**, Detroit, Mich.
*See adv index at end of book*

AIR MOTORS & AIR HOISTING Machinery
DETROIT HOIST & MACHINE CO
DETROIT, MICH.

## 99— Airole

Hoffmann—La Roche Chemical Works, 440 Washington, New York

## 100— Airports

Eagle Brass Foundry Co., Seattle, Wash. *See adv index at end of book*
Laughlin Thos. Co., Portland, Me.
Wilcox, Crittenden & Co., Inc., 444 S Main, Middletown, Conn. *See adv index at end of book*

AIRPORTS
For Wood or Steel Hulls
In Iron or Brass
Wilcox, Crittenden & Co., Inc.
444 So. Main St., Middletown, Conn.

## 101— Alarms (Burglar)

Ansonia Electrical Co., Ansonia, Conn.
Auth Elec'l Specialty Co., 422 E 53rd, New York
Bunnell J. H. & Co., 32 Park pl, New York
Crouse-Hinds Co., Syracuse, N. Y.
Duplex Elec. Co., 258 B'way, New York
Edwards & Co., Exterior & 140th, New York
Electric Goods Mfg. Co., Canton, Mass.
Engineering Products Co., 40 Goldsmith av., Detroit, Mich.
Garl Electric Co., Akron, O.
Holmes Elec. Protective Co., 26 Cortlandt, New York
Manhattan Electrical Supply Co., 17 Park pl, New York *See adv index at end of book*
Metropolitan Elec. Protective Co., 130 W. 26th, New York
Ostrander W. R. & Co., 371 B'way, New York
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Stanley & Patterson ("S. & P." Double Magnet), 23 Murray, New York
Stewart S. A. & Co., Waltham, Mass.
United Electric Apparatus Co., 1529 Columbus av. Boston, Mass.

## 102—Alarms (Burglar System)

American Bank Protection Co., 1201 S 3d, Minneapolis, Minn.
Holmes Electric Protective Co., 26 Cortlandt, New York
Metropolitan Electric Protective Co., 130 W 26th, New York

## 103—Alarms (Fire, Manual, Thermostatic & Automatic Systems)

Aero Alarm Co., Seattle, Wash.
American Fire Alarm Co., 976 Liberty av, Pittsburgh, Pa.
Anderson Coupling & Fire Supply Co., Kansas City, Kans.
Auth Elec'l Specialty Co., 422 E. 53d, New York
Autocall Co. (Interior Systems), Shelby, O.
Automatic Fire Alarm Co., Bradford, Pa.
Automobile Supply Mfg. Co., 80 B'way, Brooklyn, N. Y.
Auxiliary Fire Alarm Co., 144 Oliver, Boston, Mass.
Boston Automatic Fire Alarm Co., 141 Milk, Boston, Mass.
Boston Fire & Police Notification Co. ("Wall"), 11 High, Boston, Mass.
Bunnell J. H. & Co., 32 Park pl, New York
Champion Machine & Forging Co. (Forgings), 3690 E. 78th, Cleveland, O. *See adv index at end of book*
Chicago Engineer Supply Co. ("Acme"), 68 W. Lake, Chicago, Ill.
Conn. Tele. & Elec. Co., Meriden, Conn.
Denio General Electric Co. (Operating Over Telephone Circuits), Rochester, N. Y.
Edwards & Co. (Manual), Exterior & 140th, New York
Elec. Automatic Appliance Co., Denver, Colo.
Elec. Fire Alarm Co., Sheboygan, Wis.
Electrical Sales Co., 176 Federal, Boston, Mass.
Federal Sign System (Electric), 8700 S State, Chicago, Ill.
Fire Alarm Signal Co., 303 Congress, Boston, Mass.
Fire Detecting Wire Co., 2 W 45th, New York
Foote, Pierson & Co., 160 Duane, New York
Gamewell Fire Alarm Telegraph Co., 70 E. 45th, New York
Garl Electric Co., Akron, O.

ALARMS (FIRE, ETC.)—continued
General Fire Extinguisher Co., 275 W. Exchange, Providence, R. I.
Goldstein Engng. Co. ("Air-Alarm," Automatic Detectors), 45 Maiden la., New York
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
Ideal Fire Detector Co., 374 Plane, Newark, N. J.
Klaxon Co., 194 Wright, Newark, N. J. Stonington, Conn.
**McFell Signal Co., 2857 S Halsted, Chicago, Ill.**
**Manhattan Electrical Supply Co., 17 Park pl, New York**
*See adv index at end of book*
Manhattan Fire Alarm Co., 44 E 23rd, New York
**Metropolitan Elec. Protective Co., 130 W. 26th, New York**
**Mohawk Elec. Mfg. Co., 45 Lawrence, Newark, N. J.**
**Ohio Signal Co., Canton, O.**
**Ostrander W. R. & Co., 371 B'way, New York**
Pacific Fire Extinguisher Co., 440 Howard, San Francisco, Cal.
**Palmer Electric & Mfg. Co., 60 K., Boston, Mass.**
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Rex-Harris Fire Appliance Co., 310 W 39th, New York.
Rope Fire Escape Co., 1626 Market, Phila., Pa.
**Russell Elec. Co. (Horns & Whistles), Danbury, Conn.**
**Samson Elec. Co., 146 Summer, Canton, Mass.**
**Special Fire Alarm Electric Signal Co., 44 E 23d, New York**
Standard Electric Time Co. ("Standard," Fire & Automatic), Springfield, Mass.
Stanley & Patterson, 23 Murray, New York.
Star Electric Co., Miller & N. J. R. R., Newark, N. J.
Stewart S. A. & Co., Waltham, Mass.
U. S. Automatic Fire Alarm Co. (Automatic & Thermostatic), Kansas City, Mo.
**U. S. E. M. Co. (Potentiostat Sets), 301 W 37th, New York**
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Vierkant H. C., Tarrytown, N. Y.
Volunteer Firemen Signal Co., Minneapolis, Minn.
Western Elec. Co., 463 West, New York
Western May-Oatway Fire Alarms, Los Angeles, Cal.

## 104—Alarms (Low Water, for Boilers)

**Ashcroft Mfg. Co., 119 W 40th, New York**
Binghamton Machine Works ("The Turner"), Binghamton, N. Y.
Buckeye Iron & Brass Works, Dayton O.
Chicago Automatic Switch Co. (High & Low Water), 900 W Lake, Chicago, Ill.
**Chicago Engineers Supply Co. ("Acme"), 68 W Lake, Chicago, Ill.**
Detroit Lubricator Co., Detroit, Mich.
Elliott B. K. Co. ("Elliott"), 126 6th, Pittsburgh, Pa. *See adv index at end of book*
**Engineering Co. of Phila., Harrison bldg., Phila., Pa.**
Hills-McCann Co., 2025 Elston av., Chicago, Ill.
**Jarvis Engine & Mach. Works, Lansing, Mich.**
**Kitts Mfg. Co. (High & Low), Oswego, N. Y.**
Lawler Regulator Co., 55 W Houston, New York
Lonergan J. E. Co. ("Reliable"), 211 Race, Phila., Pa.
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Ostrander W. R. & Co. ("Nev"), 371 B'way, New York
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
**Pittsburgh Gage & Supply Co. (Also High Water "Pittsburgh" Safety), 30th & Liberty av, Pittsburgh, Pa.**
Reliance Gauge Column Co., Cleveland, O.
Rutzler Enoch Co., 404 E 49th, New York
Stanley & Patterson, 23 Warren, New York
Steigert L. Co. (Also for High Water, "U. S." Indicator), Logan & Elder, Cincinnati, O.
**Walsh & Weidner Boiler Co., Chattanooga, Tenn.**
Weld Geo. A. Co., 79 Milk, Boston, Mass.
Williams Gauge Co., 543 4th av, Pittsburgh, Pa.
Wright-Austin Co. (Also High Water Alarms), 97 Woodbridge, W, Detroit, Mich.

## 105— Alarms (Mine Car)

American Safety Lamp & Mine Supply Co. ("American" Automatic), Scranton, Pa.

## 106-7— Alarms (Tank)

Caldwell W. E. Co. ("Caldwell" High Low Water Tank), Louisville, Ky.
Electrical Repair Co., 548 W 25th, New York
Leahy John J., 48 Dey, New York
Ostrander W. R. & Co., 371 B'way, New York
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Stanley & Patterson, 23 Murray, New York
Waldman John J., 64 Murray, New York

## 108— Albone

Roessler & Hasslacher Chemical Co., 709 6th av, New York.

## 108a— Albumen (Blood)

Armour Fertilizer Wks., United Stock Yards, Chicago, Ill.
Morningstar Chas. & Co., Inc., 349 B'way, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*

## 108b— Albumen (Egg)

Cooper, Chas. & Co., 194 Worth, New York
Florasynth Laboratories, Inc., 15 Beekman New York
Frost & Cundill, Inc., 60 Wall, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*
Morningstar Chas. & Co., Inc., 349 B'way, New York
National Aniline & Chemical Co., Inc., 21 Burling Sl., New York

## 108c— Albumen (Milk)

Sheffield By-Products Co., Hobart, N. Y.

## 109— Albumenometers

Automatic Fire Alarm Co., 416 B'way, New York
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

## 110— Albums (Post Card)

Hanson J. S., 552 W Adams, Chicago, Ill.
Horn W. C. Bro. & Co., 541 Pearl, New York
Ward Sam'l Mfg. Co., 299 Atlantic av, Boston, Mass.

## 110a— Alcohol

Am. Distilling Co. (Industrial, Medicinal & Scientific), Pekin, Ill.
Am. Distilling Co. of N. Y. (Industrial Medicinal, etc.), 491 Washington, New York
Am. Spirits Mfg. Co. (Industrial, Scientific, etc.), 27 William, New York
Columbia Distilling Co. (Industrial, Medicinal & Scientific), Waterloo, N. Y.
Everett Distilling Co. (Alcohol & Rum for Industrial & Medicinal Purposes), Everett, Mass.
Felton & Son (Denatured Rum for Tobacco, etc.), 516 E. 2nd, Boston, Mass.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Industrial Distilling Co. (Industrial, Medicinal & Scientific), Waterloo, N. Y.
Internat'l Distilling Co., Ltd. (Industrial, Medicinal & Scientific), Pine & Ferdinand, New Orleans, La.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
New England Distilling Co. (Denaturated Rum for Tobacco, etc.), Covington, Ky
Union Distilling Co. (Medicinal, Industrial, etc.), Cincinnati, O.
U. S. Industrial Alcohol Co., 27 William, New York
U. S. Industrial Chemical Co. (Refined Amyl, Iso Butyl & Propyl), 27 William, New York
Wathen R. E. & Co. (Industrial, Medicinal & Scientific), Louisville, Ky.
Western Industries Co. (Industrial & Medicinal), 110 Sutter, San Francisco, Cal.

## 111— Alcohol (Denatured)

Alcohol Utilities Co. ("Pyro"), 27 William, New York
American Distilling Co., Pekin, Ill.
Apothecaries Hall Co. (Jobbers), Waterbury, Conn.
**Berg David Distilling Co., Delaware & Tasker, Phila., Pa.**
Bird J. A. & W. & Co. (Mfrs Agents), 88 Pearl, Boston, Mass.
Boyd F. O. & Co., 433 Washington, New York
**Commercial Distilling Co., Terre Haute, Ind.**
Cooper Chas. & Co., 194 Worth, New York
Corby Co., Langdon, D. C.
Corning & Co., Peoria, Ill.
Day Jas. B. & Co., 214 W Ohio, Chicago, Ill.
**Gray Wm. S. & Co. (Jobbers), 80 Maiden la., New York**
**Hammond J. T. & Son, 4534 Hedge, Phila., Pa.**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Heil Henry Chemical Co., St. Louis, Mo.**
**Industrial Chemical Co., 200 5th av, New York**
International Distilling Co., Ltd., Pine & Gent'l Wood, New Orleans, Le.
**Jefferson Distilling & Denaturing Co. ("Radio," Complete Denatured), Harvey, La.**
Lakeside Distilling Co., 140 W Water, Milwaukee, Wis.
**MINER-EDGAR CO.**, 30 Church, New York
National Distilling Co., foot 27th, Milwaukee, Wis.
Philadelphia Distributing Co., 1345 Frankford av, Phila., Pa.
Pierce & Stevens, Buffalo, N. Y.
**Salomon L. A. & Bro., 216 Pearl, New York**
Union Distilling Co., 3d & Race, Cincinnati, O.
United States Industrial Alcohol Co. ("Pyro"), 27 William, New York
Walsh Jas. & Co., Union Trust bldg, Cincinnati, O.
Webb, A. L. & Sons, Maryland Trust Bldg., Baltimore, Md.
**Webb James A. & Son, 50 Stone, New York**
Western Industries Co., 110 Sutter, San Francisco
Wood Products Co., Buffalo, N. Y.
Woolner Distilling Co., Peoria, Ill.

## 112— Alcohol (Ethyl)

Corby Co., Langdon, D. C.
Jefferson Distilling & Denaturing Co., Harvey, La.
**Michigan Chemical Co., Bay City, Mich.**
Seydel Mfg. Co. (Benzyl), 88 Forrest, Jersey City, N. J.
Union Distilling Co., Cincinnati, O.
U. S. Industrial Alcohol Co., 27 William, New York

## 113— Alcohol (Grain)

American Distributing Co., 27 William, New York
American Spirits Mfg. Co., 27 William, New York
Boyd F. O. & Co., 433 Washington, New York
Clifton Springs Distilling Co., Ludlow av & B & O S W Cum., Cincinnati, O.
Commercial Distilling Co., Terre Haute Ind.
Merchants Distilling Co., Terre Haute, Ind.
Standard Distilling & Distributing Co., 27 William, New York
Union Distilling Co., Cincinnati, O.
Wathen R. E. & Co., Louisville, Ky.
Webb, A. L. Sons, Maryland Trust Bldg., Baltimore, Md.
Webb Jas. A & Son, 50 Stone, New York

## 113a— Alcohol (Iso Amyl, Butyl & Wood)

Union Distilling Co., Cincinnati, O.

## 113b— Alcohol (Solidified)

Basic Products Co., Oliver bldg, Pittsburgh, Pa.

Sternau S. & Co., Inc., 9 E 37th, New York
Theroz Co., 233 B'way, New York

## 114— Alcohol (Wood)

Berry Bros., Wight & Leib, Detroit, Mich.
Bird J. A. & W. & Co. (Mfrs Agents), 88 Pearl, Boston, Mass.
Boyne City Chemical Co., Boyne City, Mich.
Buckhannon Chemical Co., Olean, N. Y.
Cadillac Chemical Co., Cadillac, Mich.
Clawson Chemical Co., Ridgway, Pa.
Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Cooper Chas. & Co., 194 Worth, New York
Corbett M. J. & Co., Binghamton, N. Y.
Coryville Chemical Co., Bradford, Pa.
Cummer-Diggins Co., Cadillac, Mich.
Day Chemical Co., Westline, Pa.
Day Jas. B. & Co., 214 W Ohio, Chicago, Ill.
Florida Wood Products Co., Jacksonville, Fla.
Forest Chemical Co., Sheffield, Pa.
Gaffney Wood Products Co., Bradford, Pa.
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Gray Wm. S. & Co. (Jobber, "Columbian Methanol"), 80 Maiden la., New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Heinemann Chemical Co., Olean, N. Y.
Industrial Chemical Co., 200 5th av., New York
James Mfg. Co., Kane, Pa.
Keery Thomas Co., Hancock, N. Y.
Kingsport Wood Reduction Co., Kingsport, Tenn.
Lackawanna Chemical Co., Straight, Pa.
Leighton Arthur Co., Methol, N. Y.
Lewis Run Mfg. Co., Bradford, Pa.
McKean Chemical Co. (Wood Spirits), Williamsport, Pa.
Marvindale Chemical Co., Bradford, Pa.
Maryland Wood Products Co., Bradford, Pa.
Mashek Chemical & Iron Co. (Refined), Wells, Mich.
Michigan Chemical Co., Bay City, Mich.
**MINER-EDGAR CO.**, 30 Church, New York
Nansen Chemical Co., Nansen, Pa.
National Chemical Co., Bradford, Pa.
Newton Chemical Co., Olean, N. Y.
Noble Electric Steel Co., 995 Market, San Francisco, Cal.
Norwich Chemical Co., Crosby, Pa.
Nusbaum Chemical Co., Bradford, Pa.
Oswago Chemical Co., Bradford, Pa.
Otto Chemical Co., Williamsport, Pa.
Peak C. W., Peakville, N. Y.
Penna Alcohol & Chemical Co., 136 N Water, Phila., Pa.
Pierce & Stevens, Buffalo, N. Y.
Russell Chemical Co., Ltd., Russell, Pa.
Salomon L. A. & Bro., 216 Pearl, New York
Seaboard Chemical Co., Blanchard, Newark, N. J.
Smith A. B. Chemical Co., Buffalo, N. Y.
Straight Creek Chemical Co., Straight, Pa.
Sullivan Chemical Co., Acidalia, N. Y.
Susquehanna Chemical Co., Straight, Pa.
Treyz G. H. & Co., Binghamton, N. Y.
Treyz G. I., Cook Falls, N. Y.
Tyler-Hall Chemical Co. (Crude), Hancock, N. Y.
U. S. Industrial Alcohol Co., 27 William, New York
Webb, A. L. & Sons ("Columbian"), Maryland Trust Bldg., Baltimore, Md.
Webb Jas. A. & Son, 50 Stone, New York
Wood Products Co. (Pure Methyl & Refind), Buffalo, N. Y.
Wright Chemical Co., Susquehanna, Pa.
Wyman Chemical Co., Port Alleghany, Pa.

## 114a— Alcoholometers

Central Scientific Co., 460 E Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend, 205 3rd av, New York
Scientific Utilities Co., Inc., 18 E 16th, New York

## 115—Aligning & Leveling Apparatus

Kinkead Mfg. Co. ("Kinkead" for Faulty Alignment of Shafting), 45 High, Boston, Mass.

## 116— Alizarine Assistant

Bosson & Lane, Atlantic, Mass.
Herrick & Voigt, 68 Maiden Lane, New York
Leyland Thos. & Co., Readville, Boston, Mass.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
National Oil Products Co., Harrison, N. J.
Pawtucket Mordant Co., Pawtucket, R. I.
Providence Drysalters Co., East Greenwich, R. I.
Shaw Jno. & Co., 15 Elkins, South Boston, Mass.
United Indigo & Chemical Co., Ltd., 176 Federal, Boston, Mass.
Wolf Jacques & Co., Passaic, N. J.

## 116a— Alkali Blue

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Dicks, David Co., Inc., Varick & No. Moore, New York

## 117— Alkali Mfrs.

American Chemical Co., 640 Carr, Cincinnati, O.
Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Clark Fred G. Co., 1081 W 11th, Cleveland, Ohio
Columbia Chemical Co., Frick Bldg., Pittsburgh, Pa.
Diamond Alkali Co. (Special), First Nat'l Bank bldg, Pittsburgh, Pa.
Drackett P. W. & Sons Co., 5020 Spring Grove av, Cincinnati, O.
Ford J. B. Co. (Tanners, etc), Wyandotte, Mich.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hollingsworth & Peterson, Lafayette bldg, Phila., Pa.
Mathieson Alkali Wks., Inc., Niagara Falls, N. Y.
Mathieson Alkali Works ("Eagle" & "Thistle" Brands), 53 Canal, Providence, R. I. Works Saltville, Va.
Michigan Alkali Co., Wyandotte, Mich.
Missouri Chemical Works, 4004 Duncan av, St. Louis, Mo.
Niagara Alkali Co., Niagara Falls, N. Y.
Royal Chemical Co. ("Royal" Powder, will remove Vienna Lime from Buffed or Polished Work), Phoenix, R. I.
Solvay Process Co., Syracuse, N. Y.
Wander, S. & Sons Chemical Co. (Caustic Soda), Albany, N. Y.
Wing & Evans (Selling Agent), 22 William, New York
Winkler, Isaac & Bro. Co., 1st Nat'l Bank Bldg., Cincinnati, O.

## 117a— Alkaloids

Abbott Laboratories, 4753 Ravenswood av, Chicago, Ill.
Hoffman-La Roche Chemical Wks., 440 Washington, New York
New York Quinine & Chemical Wks., Ltd., 114 Williams, New York

## 118— Alkarhein

Merrell W. S. Chemical Co., 5th & Pike, Butler, Cincinnati, O.

## 118a— Alloy Metals (Special)

Alloyed Metal & Mfg. Co., 4537 Pope av, St. Louis, Mo.
Aterite M. H. Co., Inc. ("Aterite" & "M. H. Aterite" Non-Corrosive), 55 John, New York
Bario Metal Corp. ("Bario Heat, Acid & Alkali Resisting), 167 W 18th, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

## 118b—Alloy (Pyrophoric & Cerium)

Foote Mineral Co., 109 N 19th, Phila., Pa.
Imex Corp., 23 Beaver, New York
New Process Metal Co., 46-50 Center, Newark, N. J.
Pfanstiehl Co., No. Chicago, Ill.

## 119— Alloys (Aluminum)

See also Ferro-Aluminum

Acieral Co. of America, 26 Cortlandt, New York
Ajax Metal Co., 46 Richmond, Philadelphia, Pa.
Alloyed Metal & Mfg. Co., 4537 Pope av, St. Louis, Mo.
American Alloys Co., American bldg, Baltimore, Md.
American Duralumin Co., 11 Pine, New York
Birkenstein, S. & Sons, 377 W. Ontario, Chicago, Ill.
Boron Products Co., 686 Court, Reading, Pa.
British Aluminum Co., Ltd., 165 B'way, New York
Electric Smelting & Aluminum Co., Lockport, N. Y.
Garford Foundries Co. ("Aero Metal"), Elyria, O.
**LEAVITT, C. W. & CO.**, 34 Church, New York. *See adv index at end of book*
Levett, Walker M. Co., 417 E. 23rd, New York
National Smelting Co., 6800 Grant av, Cleveland, O.
*See adv index at end of book*

ALUMINUM INGOTS
National Smelting Co.
6800 Grant Ave., Cleveland, Ohio

North American Smelting Co., Philadelphia, Pa.
Premium Metal & Packing Co., Inc., Wilkinsburg, Pa.
Richards & Co., 192 Beverly, Boston, Mass.
Rumford Metal Co., 200 5th av, New York
Seligman, Arthur, 165 B'way, New York
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., East Chicago, Ind.
Wenger Paul Co., 56 Liberty, New York

## 120—Alloys (Brass & Bronze)

Alloyed Metal & Mfg. Co. (Bronze only), 4537 Pope av, St. Louis, Mo.
American Alloys Co., American bldg, Baltimore, Md.
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
**CHASE METAL WORKS**, Waterbury, Conn.
**CHASE ROLLING MILL CO.**, Waterbury, Conn.
Damascus Bronze Co. ("Damascus"), Pittsburgh, Pa.
*See adv index at end of book*
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
Michigan Smelting & Refining Co., 1695 Jos. Campau st., Detroit, Mich.
*See adv index at end of book*
Moore Engineering Co. (Up to Two Tons), Hagerstown, Md.
North American Copper Co., 52 Vanderbilt av, New York
Riverside Metal Co., Riverside, N. J.
Titanium Bronze Co., Inc., Niagara, N. Y.

## 121—Alloys (Copper & Nickel)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*See adv index at end of book*
*For branch offices see adv index at end of book*
American Magnesium Corp., Niagara Falls, N. Y.
**CHASE METAL WORKS** (also Nickel Silver), Waterbury, Conn.
**CHASE ROLLING MILL CO.** (also Nickel Silver), Waterbury, Conn.
Damascus Bronze Co. ("Damascus" Copper), Pittsburgh, Pa.
*See adv index at end of book*
Eagle Smelting & Refining Works, 233 B'way, New York
Electrical Alloy Co., Morristown, N. J.
Iron Trade Products Co. (Nickel), Farmers Bank bldg, Pittsburgh, Pa.
**LEAVITT C. W. & CO.**, 34 Church, New York. *See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*

ALLOYS (COPPER & NICKEL—continued

**MICHIGAN SMELTING & REFINING CO.**

1695 Jos. Campau, Detroit, Mich.

Mutual Electric & Machine Co. (Bandan Bronze), 232 Fort W, Detroit, Mich.
Nassau Smelting & Refining Works, 607 W 29th, New York
Nickel Alloys Co., Oliver bldg, Pittsburgh, Pa.
North American Copper Co., 52 Vanderbilt av, New York
**Riverside Metal Co., Riverside, N. J.**
**WILLIAMS & CO. (INC.)** (Nickel & Monel Metal), 901-937 Pennsylvania av, N. S., Pittsburgh, Pa.
*See adv index at end of book*

## 122— Alloys (Cupro Nickel)

**Riverside Metal Co., Riverside, N. J.**

## 122a— *Alloys for Electrical Purposes

**DRIVER-HARRIS CO.**, Harrison, N. J.
*See adv index at end of book*

## Alloys for Steel Mfrs.

See Ferro Alloys of Various Kinds

## 123— Alloys (Gold & Silver)

Boron Products Co., Inc. (Boronic all Metal), Reading, Pa.
Hagstoz T. B. & Son, 709 Sansom, Phila. Pa.
Hough W. S. Jr. Co., 61 Peck, Providence, R. I.
Ney J. M. Co., Hartford, Conn.
Round Mountain Mining Co., 1 Montgomery, San Francisco, Cal.

## 124— Alloys (Iridium)

American Platinum Works (Any Grade of Hardness), 231 N. J. R. R. av, Newark, N. J.

## Alloys (Magnesium)

See Ferro-Magnesium

## Alloys (Manganese)

See Ferro Manganese, Etc.

## 125—Alloys (Manganese Bronze)

American Alloys Co., American bldg, Baltimore, Md.
American Manganese Bronze Co. ("Spare's" "Hy-Ten-Sl," etc), 3501 Rhawn, Phila., Pa .
Brady Brass Co., 170 14th, Jersey City, N. J.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Parsons") Beach & Ball, Phila., Pa.
Damascus Bronze Co. ("Damascus"), Pittsburgh, Pa.
*See adv index at end of book*
Electric Smelting & Aluminum Co., Lockport, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*
Michigan Smelting & Refining Co., 1695 Jos. Campau, Detroit, Mich.
*See adv index at end of book*
North American Copper Co., 52 Vanderbilt av, New York
Riverside Metal Co., Riverside, N. J.

## 126— Alloys (Phosphor Bronze)

American Alloys Co., American bldg, Baltimore, Md.
Brady Brass Co., 170 10th, Jersey City, N. J.
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Chase Metal Works, Waterbury, Conn.
Chase Rolling Mill Co., Waterbury, Conn.
Damascus Bronze Co. ("Damascus"), N. S. Pittsburgh, Pa.
*See adv index at end of book*

**MICHIGAN SMELTING & REFINING CO.**

1695 Jos. Campau, Detroit, Mich.

Phosphor Bronze Smelting Co., ("Elephant" Brand), 2200 Wash'n av, Phila., Pa.
Riverside Metal Co., Riverside, N. J.

## Alloys (Silicon)

See Ferro-Manganese & Ferro Silicon

## Alloys (Vanadium)

See Ferro-Vanadium

## 127— Alloys (White Metal)

American Alloys Co., American bldg, Baltimore, Md.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Parsons") Beach & Ball, Phila., Pa.
Crown Metal Co., 259 Washington, Milwaukee, Wis.
Eagle Picker Lead Co. (The), 208 S. La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Electric Smelting & Aluminum Co., Lockport, N. Y.
Empire Metal Co., Syracuse, N. Y.
Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.
Lee-Zurich Alloys Corp., 335 Calyer, Brooklyn, N. Y.
Metals Refining Co., Inc., Edison bldg., Chicago, Ill.

**MICHIGAN SMELTING & REFINING CO.**

1695 Jos. Campau, Detroit, Mich.

Pan American Smelting Works, Calyer & Moultrie, Brooklyn, N. Y.
Riverside Metal Co., Riverside, N. J.
Riverside Metal Refining Co., Connelsville, Pa.
Silver Metal Mfg. Co., Inc., 21 E 40th, New York
Union Smelting & Refining Co., St. Charles, Newark, N. J.

## 127a— Aloin

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York.
Norwich Pharmacal Co., Norwich, N. Y.

## 127a-1— Altars

See also Marble Altars; also Furniture, Church & Lodge

Daprato Statuary Co., 766 W Adams, Chicago, Ill. *See adv index at end of book*

**Altars in Marble, Scagliola and Rigalico Composition**

**DAPRATO STATUARY COMPANY**

**Chicago New York Montreal**

Designers, Sculptors and makers of high class altars, any size or design. Photographs and designs upon application. Shipments to all parts of the world.

## Alum

See also Alums

## 127b— Alum (Ammonium)

du Pont (E. I.) de Nemours & Co. (Heavy Chemical & Acid Sales Dept.), Wilmington, Del.
Kalbfleisch Corp., 31 Union sq, New York
Merrimac Chemical Co., 148 State, Boston, Mass.
Penna Salt Mfg. Co., Widener bldg, Philadelphia, Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Squibb, E. R. & Sons, New York
Wiarda, John C. & Co., 273 Greene, Brooklyn, N. Y.

## 127c— Alum (Ferric)

Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

## 127d— Alum (Filter)

du Pont (E. I.) de Nemours & Co. (Heavy Chemical & Acid Sales Dept.), Wilmington, Del.
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg., Cleveland, O.
Kalbfleisch Corp., 31 Union sq, New York
Merrimac Chemical Co., 148 State, Boston, Mass.
Penna. Salt Mfg. Co., Weidner bldg., Phila., Pa.

## 127e— Alum (Porous)

Cooper, Chas. & Co., 194 Worth, New York
du Pont (E. I.) de Nemours & Co. (Heavy Chemical & Acid Sales Dept.), Wilmington, Del.
Penna. Salt Mfg. Co., Weidner bldg., Phila., Pa.

## 128— Alumina

Avery Chemical Co., 88 Broad, Boston, Mass.
Chrome Color Wks. (Hydrate for Printing Ink), Matawan, N. J.
Detroit Chemical Wks. (Sulphate), 238 Junction av., Detroit, Mich.
Drakenfeld, B. F. & Co. (Oxide Hyd. Dealers), 50 Murray, New York
General Chemical Co. (Sulphate & Chloride), 25 Broad, New York
Harrison Works (Du Pont), (Sulphate), 35th & Grays Ferry rd, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Innis, Speiden & Co., Inc. (Jobbers), 46 Cliff, New York. *See adv index at end of book*
Jarecki Chemical Co. (Sulphate), Sandusky, O.
Klipstein, A & Co. (Acetate, Formiate, Lineolate, Palmitate, Stearate, Sulphate, Sulphocynide, etc., Imp.), 644 Greenwich, New York
Merrimac Chemical Co. (Chloride, Sulphate, Hydrate, Acetate, etc.), 148 State, Boston, Mass.
Penna. Salt Mfg. Co. (Sulphate, Hydrate, or Calcined for Aluminum, etc.), Widener bldg, Phila., Pa.
Roessler & Hasslacher Chemical Co. (Sulphate), 709 6th av, New York
Warner Chemical Co. (Hydrate), 52 Vanderbilt av, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Winkler, Isaac & Bro. Co. (Sulphate), 1st Nat'l Bank bldg, Cincinnati, Ohio
*See adv index at end of book*

## 129— Aluminite

Alumunite Mfg. Co., 427 4th av, New York

## 130— Alumino-Vanadium

Vanadium Corp. of Am., Equitable bldg, New York

## 130a— Aluminum

Beer, Sondheimer & Co., Inc. (Imp.), 61 B'way, New York
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Iroquois Foundries, Inc. ("Indian Head"), 474 Genesee, Utica, N. Y.
Murphy Metals Co., 327 So. La Salle, Chicago, Ill.
National Smelting Co., Grant av, Cleveland, Ohio
*See adv index at end of book*

## 130b— Aluminum Acetate

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## 130c— Aluminum Chloride

Cooper, Chas. & Co., 194 Worth, New York
Dow Chemical Co., Midland, Mich.
Kalbfleisch Corp., 31 Union sq, New York
Lenning, Chas. & Co., 112 S. Front, Phila., Pa.
Merrimac Chemical Co., 148 State, New York
Penna Salt Mfg. Co., Widener bldg, Philadelpnia, Pa.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 130d— *Aluminum Fabrication

**FURMAN-FISHER CORP.**, 32 Church, New York *See adv index at end of book*

## 131— Aluminum Flake

Aluminum Flake Co., Akron, O.
Scheel Wm. H. (Imported), 159 Maiden la, New York
*See adv index at end of book*

## 132— Aluminum (Fluoride)

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Seligman Arthur, 165 B'way, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda John C. & Co., 273 Green, Brooklyn, N. Y.

## 132a—Aluminum (For Aeroplanes)

Acieral Co. of America, 26 Cortlandt, New York
Aluminum Castings Co., 2210 Harvard av, S E Cleveland, O.
Aluminium Co. of America, Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
Am. Metal Co., 61 B'way, New York
Levett Walker M. Co., 417-421 E 23d, New York
Leygrand & Co., 120 B'way, New York
National Smelting Co., Grant av, Cleveland, Ohio
*See adv index at end of book*
Stimpson Edwin B. Co., Brooklyn, N. Y. (Aluminum for Airplanes)
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.

## 132b—Aluminum (Granulated)

Metal Products Co., Inc., 100 So. Jefferson, Chicago, Ill.
*See adv index at end of book*
**NATIONAL SMELTING CO.**, Grant av, Cleveland, O.
*See adv index at end of book*
Seligman, Arthur, 165 B'way, New York
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., East Chicago, Ind.
Wenger Paul Co., 56 Liberty, New York

## 133—Aluminum Hollow Ware

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Aluminum Cooking Utensil Co. ("Wear-Ever"), New Kensington, Pa.
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum Products Co., La Grange, Ill.
Aluminum Ware Mfg. Co. Inc. ("Cook-Rite"), Elmira, N. Y.
Borgfeldt Geo. & Co. ("Coronet," Pilot Swiss), 16th & Irving pl, New York
Bowman Geo. H. Co. ("Swissalu"), 224 Euclid av, Cleveland, O.
Buckeye Aluminum Co. ("Real Solid"), Wooster, O.
Cleveland Metal Products Co. ("Aladdin"), 1609 Pletl av, Cleveland, O.
Doylestown Aluminum Ware Co., Doylestown, Ohio
Enterprise Aluminum Co., Massillon, O.
Fargo E. A. Co., Taunton, Mass.
Gem Stamped Steel Co. ("Gem" Coffee Pots), Chelsea, Mass.
Griswold Mfg. Co. ("Griswold"), Erie, Pa.
Illinois Pure Aluminum Co., Lemont, Ill.
Massillon Aluminum Co. ("Betty Bright"), Massillon, O.
Monarch Aluminum Ware Co., 4613 Payne av., Cleveland, O.
National Metalware Co., Inc., 95 S 5th, Brooklyn, N. Y.
New England Enameling Co. ("Priscilla"), Middletown, Conn.
Standard Aluminum Co., Two Rivers, Wis.
Star Aluminum Co., Ashland, Ohio
Sterling Aluminum Co., Erie, Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
United States Aluminum Co., Oliver bldg, Pittsburgh, Pa.
Van Natta Aluminum Wks., 920 W. 12th, Erie, Pa.
Wagner Mfg. Co., Sidney, O.
West Bend Aluminum Co., West Bend, Wis.
Wheeling Stamping Co., Wheeling, W. Va.

## 134—Aluminum Household & Toilet Specialties

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum Specialty Co., Manitowoc, Wis.
Aluminum Ware Mfg. Co. Inc., Elmira, N. Y.
American Aluminum Mfg. Co., Lemont, Ill.
Cassady Fairbank Mfg. Co., 6128 S La Salle, Chicago, Ill.
Florence Mfg. Co., Florence, Mass.
Illinois Pure Aluminum Co., Lemont, Ill.
Republic Metalware Co., The, Buffalo, N. Y.
Sternau S. & Co., Inc., 9 E 37th, New York
Union Aluminum Co. (Combs, etc.), Orrville, O.
Wheeling Stamping Co., Wheeling, W. Va.

## 134a— Aluminum Hydroxide

Cooper, Chas. & Co., 194 Worth, New York
Hachmeister-Lund Chemical Co., Pittsburgh, Pa.
Merrimac Chemical Co., 148 State, Boston, Mass.
Warner Chemical Co., 52 Vanderbilt, New York

## 135— Aluminum Leaf

Baer Bros., 438 W 37th, New York
Drakenfeld B. F. & Co. (Imp), 50 Murray, New York
Kemp, W. H. Co., 165 Spring, New York
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Rauskolb Fred W. Co., 103 Arch, Boston, Mass.
Sayre Metal Co., Sayre, Pa.
Seligman Arthur (Imp.), 165 B'way, New York
Swift M. & Sons, Hartford, Conn.

## 136— Aluminum (Liquid)

Michigan Stove Co. ("Garland"), Adair & Jefferson, Detroit, Mich.
Seligman Arthur, 165 B'way, New York

## 136a— Aluminum Nitrate

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## Aluminum Novelties

See Metal Novelties & Specialties

## Aluminum Oxide

See Aluminum

## 136b— Aluminum Palmitate

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 136c—Aluminum (Perforated)

Aluminum Co. of Amer., Oliver bldg., Pittsburgh, Pa.
*See adv index at end of book*
American Perforated Metal Co., Belleville, N. J.
Harrington & King Perforating Co., 614 N. Union av, Chicago, Ill.
Multi Metal Co., Inc., 251 W. 19th, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 136d—Aluminum (Powdered)

United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.

## 136e— Aluminum Resinate

National Oil Products Co., Harrison, N. J.
Scheel Wm. H., 159 Maiden Lane, New York *See adv index at end of book*

## 137—Aluminum (Sheets & Rods)

See also Ingots, Aluminum
See also Tubing, Aluminum

Aluminum Company of America, Oliver bldg., Pittsburgh, Pa. *See adv index at end of book*
Aluminum Rolling Mill Co., Ivanhoe rd, Cleveland, Ohio
Bradford Co. (Imp.), 200 Fifth av, New York
Cleveland Metal Products Co., 7609 Platt av, & C. & P. tracks, Cleveland, Ohio

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CANADA: Northern Aluminum Co., Ltd., Toronto
ENGLAND: Northern Aluminium Co., Ltd., London
LATIN AMERICA: Aluminum Co. of South America, Pittsburgh, Pa.

**ERDLE PERFORATING CO.** (Sheet), 181 York, Rochester, N. Y.
*See adv index at end of book*
Guiterman, Rosenfeld & Co. (Imp.), 35 S. William, New York
Hough W. S. Jr. Co., 61 Peck, Providence, R. I.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
Jobbins, W. F. (also Aluminum, Sulphate), Aurora, Ill.
Kelly M. B., Park bldg, Pittsburgh, Pa.
Kemp W. H. Co., 165 Spring, New York
McInnes Charles E. & Co. (Sheets only), Mariner & Merchts. bldg, Phila, Pa.
Metal Products Co., 100 So. Jefferson, Chicago, Ill.
*See adv index at end of book*

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MICHIGAN SMELTING & REFINING CO.
1695 Jos. Campau, Detroit, Mich.

Seligman Arthur (Imp.), 165 B'way, New York
Stimpson, Edwin B. Co., 68 Franklin av, Brooklyn, N. Y.
Tennant C. Sons & Co. of N. Y. (Imported), 100 William, New York.
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., East Chicago, Ind.
Weld-Wire Co., 395 Christopher av, Brooklyn, N. Y.
Winter Son & Co. (Imp.), 64 Wall, New York

## 137a— Aluminum Silicate

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 137b— Aluminum Stearate

Meyer, J. & Sons, Phila., Pa.
National Oil Products Co., Harrison, N. J.
Shepherd Chemical Co., Beech & Highland, Cincinnati, Ohio
Sloan & Russell, Inc., 132 Nassau, New York
Stearyte Co., Inc., 312 E. 22nd, New York

## 137c— Aluminum Sulphate

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Michigan Electrochemical Co., Menominee, Mich.

## 137d— Aluminum Sulphite

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 138—Aluminum Vessels & Linings for Fireless Cookers

Aluminum Ware Mfg. Co. Inc., Elmira, N. Y.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.

## 139— Alums

Commercial Chemical Co., Ludington bldg., Chicago, Ill.
Detroit Chemical Works, 238 Junction av, Detroit, Mich.

ALUMS—continued
Du Pont (E. I.) De Nemours & Co. (Heavy Chemical & Acid Sales Dept.), Wilmington, Del.
Fuller, Ralph L. & Co., Inc., 81 Fulton, New York
General Chemical Co., 25 Broad, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Kalbfleisch Corp., 31 Union sq, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Lennig Chas. & Co., 112 S Front, Phila., Pa.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merrimac Chemical Co., 148 State, Boston, Mass.
Penna. Salt Mfg. Co. (Lump, Ground, Powdered, Burnt & Filtering), Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Superior Chemical Co., Joliet, Ill.
Thomsen Chemical Co., Munsey bldg., Baltimore, Md.
Western Chemical Mfg. Co., Denver, Colo.
Wiarda John C. & Co. (Lump & Powdered), 273 Greene, Brooklyn, N. Y.
Winkler, Isaac & Bro. Co., 1st Nat'l Bk bldg., Cincinnati, O.

## Alundum Wheels

See Emery & Corundum Wheels

## 140—Amalgamating Pans & Barrels

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Hendy, Joshua Iron Works, 75 Fremont, San Francisco, Cal.
**TRAYLOR ENGNG. & MFG. CO.**, Allentown, Pa.
*See adv index at end of book*
Worthington Pump & Machinery Corp., 115 B'way, New York
*See adv index at end of book*

## 141—Amalgamators (Metallurgical)

Lane Mill & Machinery Co., Los Angeles, Cal.
Senn Concentrator Co., 1st Nat'l Bk bldg., San Francisco, Cal.

## 142-3— Ambulances

Barley Mfg. Co. (Chassis), Kalamazoo, Mich.
Birch James H., Burlington, N. J.
Bradley-Ford Co., Cicero, Ill.
Crane & Breed Mfg. Co., 1227 W 8th, Cincinnati, O.
Fulton & Walker Co., 20th & Filbert, Phila., Pa.
Hendee Mfg. Co. (Motorcycle), Springfield, Mass.
Holzbog G. H. & Bro., Jeffersonville, Ind.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Lorraine Car Co., Richmond, Ind.
Michigan Hearse & Motor Co., 1500 Union av S. E., Grand Rapids, Mich.
Rech-Marbaker Co. (Combination Patrol & Ambulance), 8th & Girard, Phila., Pa.
Studebaker Corp., South Bend, Ind.

## 144— Ammeters (Shunt)

**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
Clark Elec. Motor Co. ("Clark" For Automobiles), 1330 12th, Detroit, Mich.
Hickok Electrical Instrument Co., 10514 Dupont, Cleveland, O.
Pignolet Louis M., 78 Cortlandt, New York
Roller-Smith Co., 233 B'way, New York

## 145— Ammeters & Voltmeters

(Those who Manufacture Battery Gauges are so Indicated following their names)
American Ever Ready Works of National Carbon Co., Thompson av, Long Island City, N. Y.
Benton Electric Co., La Crosse, Wis.
Biddle Jas. G., 1211 Arch, Phila., Pa.
Braun-Knecht-Heimann Co. (Voltmeters), 576-584 Mission, San Francisco, Cal.
**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
Connecticut Telephone & Electric Co. (Battery Gauges), Meriden, Conn.
Dongan Electric Mfg. Co. (Direct and Alternating), 741 Franklin, Detroit, Mich.
Dow Mfg. Co. (Battery Gauges), Braintree, Mass.
Du Vivier Ernest H. (Imp.) (Dial & Recording), 30 Church, New York
National Carbon Co. (Battery Gauges), Madison av, N. W., & W. 117th, Cleveland, O.
Eldredge Electric Mfg. Co., Springfield, Mass.
Esterline Co. ("Esterline," Recording), 227 Lemcke Annex, Indianapolis, Ind.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Hercules Instrument Co. ("Monarch" Ammeters), Mt. Vernon, N. Y.
Hoyt Electric Instrument Works (For Direct Current, also Battery Gauges), Penacook, N. H.
International Instrument Co., Cambridge, Mass.
Jewell Electrical Instrument Co. ("Jewell" Radio & Dead-Beat Portable & Switchboard Type), 650 Walnut, Chicago, Ill.
Kendrick-Davis Co. (The K.-D.), Lebanon, N. H.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Manhattan Electrical Supply Co. ("Elite" Battery Gauges), 17 Park pl, New York
*See adv index at end of book*
Mohawk Electric Mfg. Co., 15 Kirk Pl, Newark, N. J.
National Gauge & Equipment Co. ("National" Automobile Ammeters Only), La Crosse, Wis.
*See adv index at end of book*
Norton Electric Instrument Co., Manchester, Conn.
Pierson-Wilcox Elec. Co. (Battery Gauges), 223 S 6th, Minneapolis, Minn.
Pignolet Louis M. (Continuous & Alternating Current), 80 Cortlandt, New York
Pyrolectric Instrument Co., Trenton, N.J.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Readrite Meter Works ("Readrite," Pocket & Miniature Battery Testing), Bluffton, Ohio
Reliance Instrument Co. ("Reliance"), 1313 Moorman, Chicago, Ill.
Roberts Instrument Co., Detroit, Mich.
Roller-Smith Co. (Portable & Switchboard) 233 B'way, New York
Sholder-Excel Mfg. Co., Clyde, O.
Splitdorf Electrical Co. (Ammeters), 98 Warren, Newark, N. J.
Sterling Mfg. Co. (Pocket Battery Testers), Blackstone bldg, W 3rd, Cleveland, O.
Troy Electrical Co., Troy, N. Y.
Westburg Engineering Co., 53 W. Jackson blvd., Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Direct & Alternating Current), East Pittsburgh, Pa.
*See adv index at end of book*
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

## Ammonia

See Ammonia (Aqua & Anhydrous)

## 146— Ammonia (Aqua & Anhydrous)

Am. Cyanamid Co., 511 5th av, New York
Armour Ammonia Works (Anhydrous), 1355 W. 31st, Chicago, Ill.
Armour Glue & Ammonia Wks. (Anhydrous), 22 Battery, San Francisco, Cal.
Avery Chemical Co. (Aqua), 88 Broad, Boston, Mass.
Banner Mfg. Co., 373 Adelaide, Detroit, Mich.
Barrett Co. (Anhydrous & Aqua), 17 Battery pl, New York
Bower Hy. Chemical Mfg. Co. (Anhydrous & Aqua), 29th & Gray's Ferry rd, Phila., Pa.
Braun-Knecht-Heimann Co., 584 Mission, San Francisco, Cal.
Clapp B. P. Ammonia Co., Louisville, Ky.
Columbia Chemical Works ("C. C. Parsons"), Bush Terminal, Brooklyn, N. Y.
Commercial Chemical Co. (Aqua), 5721 W. 66th, Chicago, Ill.
Consumers Ammonia Mfg. Co. (Anhydrous & Aqua), Camden, N. J.
Contact Process Co. (Aqua Ammonia only), Buffalo, N. Y.
Cooper, Chas. & Co., 194 Worth, New York
du Pont (E. I.) de Nemours & Co. (Aqua) (Heavy Chemical & Acid Sales Dept), Wilmington, Del.
Erkenbrach Geo. A. Co. (Aqua), 115 Maiden lane, New York
General Chemical Co. (Aqua), 25 Broad, New York
Grasselli Chemical Co. (Aqua), Guardian bldg., Cleveland, O.
Hamilton-Otto Coke Co., Hamilton, O.
Harshaw, Fuller & Goodwin Co. (Carbonate, Muriate), Elec. bldg, Cleveland, O.
Herf & Frerichs Chemical Co. (Anhydrous & Aqua), 4528 S B'way, St. Louis, Mo.
Heyman N. H. (Anhydrous), 438 E 59th, New York
Hirsh Leon & Son (Anhydrous in Cylinders), 368 Greenwich, New York
Kalbfleisch Corp. (Aqua Ammonia only), 31 Union sq, New York
Klipstein A. & Co. (Muriate), 644 Greenwich, New York
McKesson & Robbins (Salts of), 91 Fulton, New York
Mallinckrodt Chemical Works (Aqueous), 2d & Mallinckrodt, St. Louis, Mo.
Mechling Bros. Mfg. Co. (Aqua), Camden, N. J.
Merrimac Chemical Co. (Aqua & Anhydrous), 148 State, Boston, Mass.
Michigan Ammonia Works (Carbonate), ft of Meldum av., Detroit, Mich.
Miller Jos. B., Finance bldg, Phila., Pa.
Morris & Co., U. S. Yards, Chicago, Ill.
National Ammonia Co. ("National" Anhydrous, "Peerless" Aqua for Ice Making & Refrigerating Machines), 3600 N B'way, St. Louis, Mo.
Naugatuck Chemical Co. (Aqua), Naugatuck, Conn.
New Haven Gas Light Co., New Haven, Conn.
Pacific Ammonia & Chemical Co., 340 Spear, San Francisco, Cal.
Penn Chemical Works ("Banner," Dry), 1332 Washington av, Phila., Pa.
Powers - Weightman - Rosengarten Co. (Aqua), 916 Parrish, Philadelphia, Pa.
Robinson Bros. ("Buffalo"), Montrose av, Brooklyn, N. Y.
Roessler & Hasslacher Chemical Co. (Sal Grami & Carbonate, etc.), 709 6th av, New York
Semet-Solvay Co. (And Ammonia Products), Syracuse, N. Y.
Shipley Construction & Supply Co., ft. of Warren, Brooklyn, N. Y.
Spokane Gas & Fuel Co. (Concentrated Unpurified), Spokane, Wash.
Thomsen Chemical Co., Munsey bldg., Baltimore, Md.
Western Chemical Mfg. Co. (Aqua & Anhydrous), Denver, Colo.
Wiarda John C. & Co. (Carbonate or Fluoride Jobbers), 273 Greene, Brooklyn, N. Y.

## 147— Ammonia Hydroxide

Baker J. T. Chemical Co., Phillipsburg, N. J.

## 148— Ammoniates

Alba Mfg. Co. (Fertilizer), Aurora, Ill.
American Agricultural Chemical Co., 2 Rector, New York
Armour Fertilizer Works, U S Yards, Chicago, Ill.
Buffalo Fertilizer Works, Marine Bank bldg., Buffalo, N. Y.
Heller Jos. S. (Imp), 62 William, New York
Lang J. M. & Co. (Brokers), Savannah, Ga.
Ober G. & Sons Co., U. S. Fidelity & Guaranty bldg, Baltimore, Md.
Pacific Coast Beef & Provision Co. (Animal), Los Angeles, Cal.
Royster F. S. Guano Co., Norfolk, Va.
Swift & Co. (Animal), Union Stock Yards, Chicago, Ill.
Virginia-Carolina Chemical Co., Richmond, Va.
Walter Edw. J. Co. (Brokers), American bldg, Baltimore, Md.
Wilson & Co. (Animal), Union Stock Yards, Chicago, Ill.

## 148a— Ammonium (Benzoate)

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## 149—Ammonium (Bi-Carbonate)

Barrett Co., 17 Battery pl., New York.
Semet-Solvay Co., Syracuse, N. Y.

## 149a— Ammonium (Bichromate)

Cooper, Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## 150— Ammonium (Bifluoride)

General Chemical Co., 25 Broad, New York.

## 151— Ammonium Bromide

Dow Chemical Co., Midland, Mich.
Greeff, R. W., & Co., 78 Front, New York
Halogen Chemical Co., Bay City, Mich.
New York Quinine & Chemical Wks., 135 William, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 152— Ammonium (Carbonate)

Am. Agricultural Chemical Co., 2 Rector, New York
Cooper Chas. & Co., 194 Worth, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 152a— Ammonium Chloride

See also Sal Ammoniac

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 152b— Ammonium Chromate

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Squibb, E. R. & Sons, 78 Beekman, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 152c— Ammonium Fluoride

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Viarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 152d— Ammonium Iodide

Cooper, Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## 152e—Ammonium Molybolate

Coote Mineral Co., Inc., 107 N. 19th, Philadelphia, Pa.
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Mine & Smelter Supply Co., Denver, Colo.
Vanadium Corp. of Am., Equitable bldg, New York
Squibb, E. R. & Sons, 78 Beekman, New York

## 153— Ammonium Nitrate

Am. Cyanamid Co., 511 5th av, New York
Atlas Powder Co. (Explosives & Dental), 140 N Broad, Phila., Pa.
*See adv index at end of book*
Erkenbrach Geo. A. Co., 115 Maiden la, New York
Fuller, Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Marden, Orth & Hastings Co., 136 Liberty, New York
Ohio Chemical & Mfg. Co., 1177 Marquette, Cleveland, Ohio
Pennant C. Sons & Co. of N. Y. (Imp), 100 William, New York

## 153a— Ammonium Oxalate

American Alkali & Acid Co., Bradford, Pa.
Cooper, Chas. & Co., 194 Worth, New York

## 153b— Ammonium Phosphate

Am. Cyanamid Co., 511 5th av, New York
Ashcraft Wilkinson Co., Atlanta, Ga.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Katzenbach & Bullock Co. (Imported), 440 Washington, New York
Victor Chemical Wks., Fisher bldg, Chicago, Ill.

## 154—Ammonium Persulphate

Holz & Co., Inc., 18 Madison av, New York
York. *See adv index at end of book*

AMMONIUM PERSULPHATE
For Scientific and Technical Uses
HOLZ & CO., Inc.
18 Madison Avenue - NEW YORK

Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Ammonium Sulphate

See Sulphate of Ammonia

## 154a— Ammonium Sulphide

Seldner & Enequist, 86 Hausman, Brooklyn, N. Y.
Innis, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*

## 154b—Ammonium Sulphocyanide

Cooper, Chas. & Co., 194 Worth, New York
Squibb, E. R. & Sons, 78 Beekman, New York

## 154c— Ammonium Tartrate

Cooper, Chas. & Co., 194 Worth, New York
Stresen, Reuter & Hancock, Inc., 122 S Michigan av, Chicago, Ill.

## 154d— Ammonium Valeriate

Orr Chemical Co., Inc., Newark, N. J.

## 155— Ammunition

Am. Smelters Securities Co., 201 1st, San Francisco, Cal.
Artillery Fuse Co., Wilmington, Del.
Austin Cartridge Co., Cleveland, Ohio.
Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Chamberlin Cartridge & Target Co., 514 Prospect av, Cleveland, O.
**EDWARDS MFG. CO.** (Paper Cap), 545-565 Eggleston av, Cincinnati, Ohio
*See adv index at end of book*
Hoxie Ammunition Co., Chicago Ill.
Peters Cartridge Co., 1st Nat Bk bldg., Cincinnati, O.
Quackenbush H. M. (Air Rifle), Herkimer, N. Y.
Remington Arms Co., Inc. ("U. M. C."), 233 B'way, New York
Savage Arms Corp. ("22 Hi-Power"), Utica, N. Y.
U. S. Cartridge Co. ("Climax"), Lowell, Mass.
Western Cartridge Co., East Alton, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 156—Amyl Acetate (Acetate of Amyl)

Albany Chemical Co. (Technical & C. P.), Albany, N. Y.
Alcohol Products Co., Blanchard st, Newark, N. J.
Anderson Chemical Co., Wallington, N. J.
Celluloid Zapon Co., 200 5th av, New York
*See adv index at end of book*
Cooper Chas. & Co., 194 Worth, New York
Franco American Chem. Works, Carlstadt, N. J.
Fuller, Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Katzenbach & Bullock Co., 100 William, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
McKesson & Robbins (Imp), 91 Fulton, New York
Maas & Waldstein Co., 92 William, New York
National Aniline & Chemical Co., Inc. (Jobbers), 21 Burling slip, New York
U. S. Industrial Chemical Co., 27 William, New York

## 156a—Amyl Acetate (Commercial & Iso)

Apothecaries Hall Co., Waterbury, Conn.
Franco-American Chemical Wks., Carlstadt, N. J.

## 156b— Amyl Butyrate

Bush, N. J. & Co., 100 William, New York
Northwestern Chemical Co., Wauwatosa, Wis.

## 156c— Amyl Salicylate

Chiris Antoine Co., 20 Platt, New York
Van Dyk & Co., 6 Platt, New York

## 156d— Amyl Valeriate

Northwestern Chemical Co., Wauwatosa, Wis.

## 157— Analytical Apparatus

See also Instruments, Scientific

Ainsworth Wm. & Sons, Denver, Col.
Berge J. & H. (Imp. Scales), 95 John, New York
Eimer & Amend, 205 3d av, New York
Heil Henry Chemical Co., St. Louis, Mo.
Hoskins Mfg. So., 453 Lawton, Detroit, Mich.
Salt Lake Hardware Co., Salt Lake City, Utah
Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.
Thomas Arthur H. Co., W Washington sq, Phila., Pa.

## 158— Anchors (Boat)

American Engineering Co. ("Providence," Stockless & Mushroom), Aramingo & Cumberland, Phila., Pa.
American Standard Shipfittings Corp., 115 B'way, New York
*See adv index at end of book*
Baldt Anchor Co., Chester, Pa.
Balfour, Guthrie & Co. (Jobbers), 350 California, San Francisco, Cal.
Bleecker Aug. & Son, 5 Jones la, New York
Camden Anchor-Rockland Machine Co. (Wrought Iron, 20 to 8,000 lbs), Camden, Me.
Cape Ann Anchor Works, Gloucester, Mass.
Chester Steel Castings Co. (Ship), 407 Sansom, Phila., Pa.
Columbia Steel Co. ("Baldt" Steel), 503 Market, San Francisco, Cal.
Durkee Chas. D. & Co. ("Crescent"), 2 South, New York
Fairhaven Iron Foundry Co. (Bulb-Shank Mooring), Fairhaven, Mass.
INTERNATIONAL SHIP FITTINGS & SUPPLY CORP., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Laughlin Thos. Co. ("Dirigo" Folding, Kedge, Fishing, Grapnel, Mushroom, Swivel, Stockless, Babbitt, etc.), Portland, Me.
Malleable Iron Fittings Co. ("M.I.F.Co." Folding), Branford, Conn.
Marine Hardware-Equipment Co., So Portland, Me. *See adv index at end of book*
Neptune Hardware Mfg. Co., 29 Murray, N. Y.
New Jersey Foundry & Machine Co. ("Delta"), (Ship), 89 West, New York
Pendleton ("Rex"), 305 S Water, Providence, R. I.
PENN SEABOARD STEEL CORP. ("Admiral"), Franklin Bk. bldg., Phila, Pa. *See adv index at end of book*

ANCHORS (BOAT)—continued
Stolz Jos. & Son, Inc., 841 E 136th, New York
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox, Crittenden & Co., Inc. ("Navy" Stockless with Bale Socket, Mushroom, Folding Kedge, Grapplings, etc. "Cape Cod," Folding), Middletown, Conn. *See adv index at end of book*

## 159— Anchors (Concrete)

**Alexander D. A. Co., 272 State, Rochester, N. Y**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Richmond Screw Anchor Co., Pulitzer bldg, New York**
Star Expansion Bolt Co. ("SEBCO"), 145 Cedar, New York
*See adv index at end of book*
Streeter Clip & Specialty Co., 4125-27 E. Ravenswood av, Chicago, Ill.
United States Expansion Bolt Co., 25 Elm, New York

## 160— Anchors (Fence)

**Chance Mfg. Co. ("Never Creep"), Centralia, Mo.**
Page Steel & Wire Co. ("Page") Adrian, Mich.

## 160a— Anchors (Fishing)

Laughlin Thos Co. ("Dirigo"), Portland, Maine
Marine Hardware Equipment Co. ("Trawl"), South Portland, Me.
*See adv index at end of book*
Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.

## 160b— Anchors (Grapnel)

Laughlin Thos. Co. ("Dirigo"), Portland, Maine
Marine Hardware - Equipment Co., South Portland, Me. *See adv index at end of book*
Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.
**Wilcox, Crittenden & Co., Middletown** Conn. *See adv index at end of book*

## 161— Anchors (Guy)

**Bennett I. A. Co ("Bull Tongue"), 112 W Adams, Chicago, Ill.**
B. & K. Mfg. Co. ("B. & K."), New Britain, Conn.
**Bluffton Anchor Co., Bluffton, O.**
**Chance Mfg. Co., Centralia, Mo.**
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
**Crouse-Hinds Co. ("Harpoon"), Syracuse, N. Y.**
**Everstick Anchor Co., 1624 N 8th, St. Louis, Mo.**
Falls Elec. Co., Lima, O.
Faultless Anchor & Mfg. Co., Centerburg, Ohio
**Gund Mfg. Co., La Crosse, Wis.**
Hallet Iron Works ("Hiawatha," "Hallett" Guy anchor plate), Harvey, Ill.
**Harrison Electric Co., Van Brunt, Brooklyn, N. Y.**
**Jackman W. J. ("The Jack Anchor"), Lima, O.**
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
Line Material Co., So. Milwaukee, Wis.
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
**Miller Anchor Co. ("Miller" Safety), Norwalk, Ohio**
New Eng. Bolt Co., Inc., Everett, Mass.
Oliver Iron & Steel Co., Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Ransome Concrete Machy. Co. ("Oshkosh"), Dunellen, N. J.
**St. Louis Malleable Casting Co. ("O-K"), 7701 N Conduit av, St. Louis, Mo.**
**Simpson Anchor Co., Niagara Falls, N. Y.**
**Specialty Device Co. ("Bierce"), 112 W 3rd, Cincinnati, O.**
**Universal Cable Grip Co. ("Universal" Anchor Head), Skaneateles, N. Y.**
**Wapak Hollow Ware Co., Wapakoneta, O.**

## Anchors (Joist)

**See Joist Anchor & Timber Caps**

## 161a— Anchors (Kedge)

**Laughlin Thos Co. ("Dirigo" Folding), Portland, Me.**
Marine Hardware-Equipment Co., South Portland, Me. *See adv index at end of book*
Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.
Wilcox, Crittenden & Co. (Regular and "Cape Cod" Folding; also "Old Style" Folding), Middletown, Conn.
*See adv index at end of book*

## 161b— Anchors (Mooring)

Fairhaven Iron Fdy. Co. (Bulb Shank), Fairhaven, Mass.
Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.

## 161c— Anchors (Mushroom)

**Am. Engineering Co. ("Providence") Aramingo & Cumberland, Phila., Pa.**
**Laughlin Thos. Co. ("Dirigo"), Portland, Maine**
Marine Hardware - Equipment Co., South Portland, Me. *See adv index at end of book*
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox, Crittenden & Co., Middletown, Conn. *See adv index at end of book*

## 162— Anchors (Rail)

See also Creepers, Anti-Rail
**American Guard Rail Fastener Co. ("Vaughan" Automatic), Real Estate Trust bldg, Phila., Pa.**
Cambria Steel Co., Widener bldg., Philadelphia, Pa.
Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
**M. W. Supply Co. ("Vaughan" Automatic), Real Estate Trust bldg, Phila., Pa.**
**National Malleable Castings Co., 7706 Platt av, S E, Cleveland, O.**
P. & M. Co. (The) ("P. & M," "Vaughan," "Henggi"), 80 E Jackson blvd, Chicago, Ill.
**St. Louis Malleable Casting Co., 7701 N Conduit av, St. Louis, Mo.**
**Scott John M. & Sons ("Racine"), Racine, Wis.**
**Universal Railway Supply Co., 122 S Michigan av, Chicago, Ill.**

## 163— Anchors (Screw)

Ackerman-Johnson Co., 625 W Jackson blvd, Chicago, Ill.
**Richmond Screw Anchor Co., 61 Park Row, New York**
Star Expansion Bolt Co., 145 Cedar, New York *See adv index at end of book*

**SEBCO SCREW ANCHORS**
of Composition Metal for Wood, Lag or Special Screws
*Send for Complete Catalogue*
STAR EXPANSION BOLT CO.
145 Cedar St. New York
122 W. Lake St. Chicago

## 164—Anchors (Screw, Expansion)

**DIAMOND EXPANSION BOLT CO.** ("Diamond"), 89 West, New York
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**STAR EXPANSION BOLT CO. ("Star" & "SEBCO"), 145 Cedar, New York.**
*See adv index at end of book*
**U. S. EXPANSION BOLT CO., 25 Elm, New York.** *See adv index at end of book*
Upson Walton Co., 1294 N 11th, Cleveland, Ohio.
Van Expansion Bolt Mfg. Co. ("Van"), 53 Jackson blvd, Chicago, Ill.

## 164a— Anchors (Stockless)

Admiral Anchor Co., Chester, Pa.
Am. Engineering Co. ("Providence"), Aramingo & Cumberland, Phila., Pa.
Laughlin Thos. Co. ("Dirigo"), Portland, Maine
**PENN SEABOARD STEEL CORP., Franklin bldg., Phila., Pa.**
*See adv index at end of book*

**Penn Seaboard Steel Corporation**
**Franklin Bank Bldg., Philadelphia, Pa.**
**Steel Castings**
**Ingots Billets Blooms**
**Admiral Anchors**

Thacher Propeller & Foundry Corp. ("Albany"), Albany, N. Y.
Wilcox, Crittenden & Co. ("Navy"), Middletown, Conn.
*See adv index at end of book*

## 165— Anchors (Stone)

**Brunner & Lay, 570 W Polk, Chicago, Ill.**
**Duplex Hanger Co., E 53d & Lakeside av, Cleveland, O.**
**Ideal Hanger Co., Cleveland, O.**
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
Republic Structural Iron Wks. Co., 1350 E. 53rd, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 146th, New York.

## 166— Anchors (Wall)

**Auer John, Jr. (Also Beam Wrought), 197 Middleton, Brooklyn, N. Y.**
**Brunner & Lay (Column-Beam & Pin), 570 W Polk, Chicago, Ill.**
**Chesapeake Iron Works, Westport, Baltimore, Md.**
**Hager C. & Sons, Hinge Mfg. Co. (Riveted & Nutted Angle Shank & Wrought T), 2447 De Kalb, St. Louis, Mo.**
**Hastings Foundry & Iron Works, Hastings, Neb.**
Racky Albert C., 531 S 5th av, Chicago, Ill.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
**SMITH F. P, WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.**
*See adv index at end of book*
Stevens Iron Works & Fireproofing Co., Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York.

## 167—Andirons, Fenders & Grates

See also Fire Place Furnishings
Adams Co., Dubuque, Ia.
**Bassill Louis Co. (Brass), 100 Utica, Boston, Mass.**
Bigelow, Cheney Wire Works, Springfield, Mass.
Birmingham Stove & Range Co., Birmingham, Ala.
Boston Brass Andiron Co. (Brass), 104 Utica, Boston, Mass.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Bradley & Hubbard Mfg. Co. (Brass & Iron), Meriden, Conn.
Budd Grate & Fdy. Co., 2013 E Latterly, Phila., Pa.
Burr Co. (Cast Iron), Champaign, Ill.
**Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.**
Colonial Fireplace Co. ("Colonial"), 4631 W 12th, Chicago, Ill.
Downey T. F. Boiler Wks., 323 W. Austin av., Chicago, Ill.
*See adv index at end of book*
Elm City Brass & Rivet Co., Plainville, Conn.
Glascock Stove & Mfg. Co. (Portable Grates, etc), Greensboro, N. C.
**Graf Frank H. Mfg. Co. (Brass, Bronze & Iron), 322 7th av, New York**
Harriman Mfg. Co., Harriman, Tenn.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Hofft, M. A. Co. (Stoker), Indianapolis, Ind.
**JACKSON EDWIN A. & BRO., Inc. (Brass & Iron), 50 Beekman, New York**
*See adv index at end of book*

Jackson Wm. H. Company (Brass & Iron), 2 W 47th, New York.
Janusch Mfg. Co. (Brass, Bronze & Iron), 496 E 134th, New York
McKenny & Waterbury Co. (Brass & Iron), 181 Franklin, Boston, Mass.
Marshall Foundry Co., 28th & R R, Pittsburgh, Pa.
New Albany Mfg. Co., Gates, New Albany, Ind.
Pacific Hardware Mfg. Co., Los Angeles, Cal.
Peerless Mfg. Co. Louisville, Ky.
Price-Evans Foundry Co., Chattanooga, Tenn.
Rostand Mfg. Co. ("Rostand" Brass & Iron), Milford, Conn.
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Stover Mfg. & Engine Co. (Brass, Iron), Freeport, Ill.
Twin Fire Furnace Co., 38 S Dearborn, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.

## 168— Anemometers

Davis Instrument Mfg. Co., 112 W Fayette, Baltimore, Md.
Draper Mfg. Co., 152 Front, New York
Du Vivier Ernest H. (Imp) (Dial & Recording), 30 Church, New York
Elliott B. K. Co. ("Biram's," etc), 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Everhart Brass Wks., 422 Penn av, Scranton, Pa.
Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
Gurley W. & L. E., Troy, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
McCoy Joseph F. Co. ("Davis-Biram," Imported), 157 Chambers, New York
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Wissler A., B'way & Washington av, St. Louis, Mo

## 169-70— Aneroids

Custer Specialty Co., 28 No. Ludlow, Dayton, O.
Gurley W. & L. E. (Surveying & Mining, etc), Troy, N. Y.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

## 171— Anglemeters

Sargent Steam Meter Co. ("Sargent" Indicating), 820 S Tripp, Chicago, Ill.

## 172—*Angles & Bands (Trunk)

Continental Fibre Co. (Vulcanized Rubber), Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*

## 173—Aniline Colors, Dyes & Dyestuffs

Ackerman, H. R. Co., Inc., 65 Fulton, New York
Agawam Chemical Works, Grosvenor bldg., Providence, R. I.
Althouse Chemical Co., Reading, Pa.
Amalgamated Dyestuff & Chemical Wks., Inc., 75 Hudson, New York
American Aniline Products, Inc., 80 5th av, New York
American Chemical & Dyestuff Co., 97 Oliver, Boston, Mass.
American Color Co., Indianapolis, Ind.
American Dyewood Co., 80 Maiden la, New York
Andreykovicz & Dunk (Imported), 58 N Front, Phila., Pa.
Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Ashley T. C. & Co., Atlantic av, Boston, Mass.
Atlantic Dyestuff Co., Ames bldg., Boston, Mass.
Atlas Color Works, Inc., 322 9th, Brooklyn, N. Y.
Atteaux F. E. & Co., 174 Purchase, Boston, Mass.
Atwood Frank W. (Imported), Boston, Mass.
Avery Chemical Co. (Dyes & Dyestuffs), 88 Broad, Boston, Mass.
Bachmeier & Co. ("Baco"), 438 W 37th, New York.
Baltic Chemical Co., 440 B'way, New York
Baumann Dyestuff & Chemical Co., 250 Plymouth, Brooklyn, N. Y.
Bayer Co., 117 Hudson, New York
Bay State Chemical Co., 38 India, Boston, Mass.
Beach & Co., Hartford, Conn.
Berlin Aniline Works, 213 Water, New York
Binney & Smith Co., 81 Fulton, New York
Bird J. A. & W. & Co., 88 Pearl, Boston, Mass.
Bischoff C. & Co. (Imported), 451 Washington, New York
Bloede, Victor G. Co., Canton av, Baltimore, Md.
Bosson & Lane, Atlantic, Mass.
**BREDT, F. & CO.** (Imp for Paper Mills), 240 Water, New York
*See adv index at end of book*
Breslauer A. (Dyestuffs & Industrial Chemicals), American Natl. Bk. bldg., San Francisco, Cal.
Brown F. G., 112 N Delaware av, Phila., Pa.
Bull's Ferry Chemical Co., Edgewater, N. J.
**BUTTERWORTH - JUDSON CORPORATION,** 61 B'way, New York.
*See adv index at end of book*
Calco Chemical Co., Bound Brook, N. J.
Calvert Aniline & Chemical Co., 28 W 3d, Cincinnati, O.
Campbell John & Co., 75 Hudson, New York
Carex Co., 309 B'way, New York
Central Dyestuff & Chemical Co., Plum Point la, Newark, N. J.
Chemical Co. of America, 28 Platt, New York
Chemical Importing & Mfg. Co. (Jobbers for Bleachers, Dyers, etc), 90 West, New York
Dicks, David Co., Inc., Varick & N Moore, New York.
Dow Chemical Co., Midland, Mich.
Ducas B. P. Co. (Imported), 25 S William, New York
Dunker & Perkins (Distributors), 287 Atlantic av, Boston, Mass.
du Pont (E. I.) de Nemours & Co. (Heavy Chemical & Acid Sales Dept) Wilmington, Del.
Dye Prods. & Chemical Co., Inc., 200 Fifth av, New York
Dye Products Co. of U. S., Krams & Wilde, Phila, Pa.
Earle & Co. (Imported), 20 W 3rd, New York
Eastwood Chemical Co. (Black Iron & Red Iron Liquor), Belleville, N. J.
Essen Aniline Works, So. Middleton, Mass.
Federal Dyestuff & Chemical Corp., 2 Rector, New York
Fergusson Alex Co., Jr., 474 Chestnut, Phila, Pa. *See adv index at end of book*
Fezandie Felix, 205 Fulton, New York
Fortner, Louis B. Co., 235 Dock, Phila., Pa.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Geigy Co., 89 Barclay, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.


Est. 1892

**ANILINE COLORS**

Dyestuffs, Intermediates and Coal Tar Products. Buy and sell in Philadelphia, "The workshop of the World."

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**474 Chestnut St.**


Hachmeister-Lind Chemical Co., 2332 Forbes, Pittsburgh, Pa.
Hales, W. W. (Mfrs. Agents), 100 William, New York
Hanover Chemical Wks., Inc., 72 Cliff, New York
Heller, B. & Co. ("Royal Zest"), 3925 Calumet av., Chicago, Ill.
Heller & Merz Co., 503 Hudson, New York
Herrick & Voigt, 68 Maiden lane, New York
Hine Bros. (Hydro Sulphur Dyes), 80 Maiden Lane, New York
Hirschfeldt, Jules & Co., 154 Nassau, New York
Holland Aniline Co., Holland, Mich.
Holliday-Kemp Co., 90 William, New York
Holliday Read & Sons, Ltd., 160 Franklin, New York
Hollingsworth & Peterson, Lafayette bldg, Phila., Pa.
Imperial Color Wks., Inc., Glens Falls, N. Y.
Imperial Dyewood Co., Glen Falls, N. Y.
Industrial Chemical Co., East Providence, R. I.
Innis, Speiden & Co., Inc. (Imp), 46 Cliff, New York *See adv index at end of book*
Jamaica Dyewood & Chemical Co., 50 Church, New York
Jaeck Louis Co., 257 Front, New York
Kalle Color & Chemical Co., 530 Canal, New York
Katzenbach & Bullock Co., 440 Washington, New York.
King E. & F. & Co. (Imported), 367 Atlantic av, Boston, Mass.
Klipstein A. & Co., 644 Greenwich, New York
Kuttroff, Pickhardt & Co., Inc. (Jobbers), 128 Duane, New York
Lazard Godchaux Co. (Imp.), 100 William, New York.
Lengfelt F. H. & Co. (Imp), 100 Maiden la, New York
Levinstein I. & Co., 74 India, Boston, Mass.
Lewis, Jno. D. (Imported), 63 Charles, Providence, R. I.
Leyland Thos. & Co., Readville, Boston, Mass.
Lieber H. & Co. ("Moussin" Saponine), 14 Platt, New York.
Marden, Orth & Hastings Co., 136 Liberty, New York
Metz, H. A. & Co., 122 Hudson, New York
Middlesex Aniline Co. (Aniline Oils & Chemicals), 149 B'way, New York
Miller Frank Co., 349 W 26th, New York
Miller Jos. B. (Imp), Finance bldg., Phila., Pa.
Monroe Color & Chemical Co., Quincy, Ill.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York.
National Gum & Mica Co., 59th and 11th av, New York
Neversink Dyeing Co., Inc., Reading, Pa.
Newport Chemical Works, Inc., Milwaukee, Wis.
New York Color & Chemical Co., 98 John, New York
Oakes Mfg. Co., Steinway, L. I. City, N. Y.
Obex Laboratories Co., Marietta, Ohio
Organic Products Corpn., Schenectady, N. Y.
Peerless Color Co., Bound Brook, N. J.
Pickering Geo. & Co., Elmira, N. Y.
Ransom, Lewis E. Co., 279 Pearl, New York
Reading Chemical Mfg. Co., Reading, Pa.
Reisig Chas. H., 269 Water, New York
Reliance Aniline & Chemical Co., 299 B'way, New York
Rice, Edward E. & Co. ("Edmund Ruch & Co." Imported), 620 Atlantic av Boston, Mass.
Seydel Mfg Co. (Furamine, Fur Dyes), 88 Forrest, Jersey City, N J.
Sherwin-Williams Co., Cleveland, O.
Sizing Specialties Co., Jersey City, N. J.
Stamford Extract Mfg. Co., 88 Wall, New York


**F. BREDT & CO.**

*Manufacturers and Importers of*

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Dyestuffs Tartar Emetic Gambier Gum Tragacanth

**NEW YORK—240 Water Street** **12 So. Front Street—PHILADELPHIA**

ANILINE COLORS, ETC.—continued
Stubner Chemical Works, Inc., Elizabeth, N. J.
Sunbeam Chemical Co., 198 Pacific av, Jersey City, N. J.
Suter, Eugene & Co., 120 B'way, New York
Sykes W. F. & Co. (Imported), 8 Lispenard, New York.
**Thayer E. M. & Co. (Imp, Also Alizarine Colors), 36 Purchase, Boston, Mass.**
**United Indigo & Chemical Co., Ltd., 176 Federal, Boston, Mass.**
U. S. Color & Chemical Co. (Mfrs. & Importers), 15 Customs House, Boston, Mass.
**Vila H. S. Color Co., 243 S 2nd, Phila., Pa.**
Wells & Richardson Co., Burlington, Vt.
**Western Aniline Products Co. (Intermediates), Hammond, Ind.**
Wetterwald & Pfister Co., 276 Spring, New York. *See adv index at end of book*


**WETTERWALD & PFISTER COMPANY**

*(Brunswick Color and Chemical Works)*

276 Spring Street New York


Wetzel, Fred, 131 E. 23rd, New York
**White John J., Inc., New Brunswick, N. J**
White Rabbit Dye Co., 4236 Eastern av, St. Louis, Mo.
**White Tar Aniline Corpn., 56 Vesey, New York**
**Williamsburg Chemical Co., 230 Morgan av, Brooklyn, N. Y.**
**Wolf Jacques & Co. (Black Dye), Passaic, N. J.**
**Worden Chemical Works, 4 Cedar, New York**
**Yale C. I. Mfg. Co., Yaleville, Conn.**
**Young, J. S. & Co., Hanover, Pa.**
**Zinsser Wm. & Co. (Imported), 195 William, New York**

## 173a— Aniline Hydrochloride

**Aniline Dyes & Chemicals, Inc., 134 Cedar, New York**
**Central Dyestuff & Chemical Co., Newark, N. J.**
**Innis, Speiden & Co., Inc., 46 Cliff, New York.** *See adv index at end of book*
**Parker, T. J., 92 William, New York**

## 173b— Aniline Oil Apparatus

Devine, J. P. Co., Buffalo, N. Y.
**Hercules Engineerling Corp., 501 5th av. New York**
**Stevens Bros., 85 Liberty, New York**

## 174— Annatto

**Ransom L. E. Co. (Imp), 279 Pearl, New York**
**Kerr J. E. & Co. (Imp.), 25 Beaver, New York**

## 175— Annealers (Wire)

**See also Furnaces, Annealing & Case Hardening**
**ROCKWELL W. S. CO., 50 Church, New York** *See adv index at end of book*
**Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W., Cleveland, O.**

## Annealing

See Case Hardening; also Tempering to Order

## Announcers (Stage)

See Carriage Calls, Electric

## 176— Annunciators

See also Signals, Hospital

**Ansonia Electrical Co., Ansonia, Conn.**
**Auth Electrical Specialty Co., Ansonia, Conn.**
**Automatic Appliance Co., 172 Columbus av, Boston, Mass.**
**Bunnell J. H. & Co., 32 Park pl, New York**
**Connecticut Telephone & Electric Co., Meridian, Conn.**
**Couch S. H. Co. (Couch "Colecto"), Norfolk Downs, Mass.**
**Edwards & Co., Exterior & 140th, New York**
**Electric Goods Mfg. Co. ("Ross," "Dandy," "Perfect," "Rival," "Noxall," etc), Canton, Mass.**
**Elevator Supplies Co., Hoboken, N. J.**
**Engineering Products Co. ("Ideal"), 40 Goldsmith av, Detroit, Mich.**
**Garl Electric Co. (Elevator, etc), Akron, Ohio**
**Holtzer-Cabot Electric Co. (Hospital, etc), Brookline, Mass.**
**International Arms & Fuse Co., Bloomfield, N. J.**
**Keil Francis & Son, 401 E 163d, New York**
**Knickerbocker Annunciator Co. (Lighting & Control for Elevators), 116 West, New York**
**Manhattan Electrical Supply Co., 17 Park pl, New York**
*See adv index at end of book*
**Menominee Elec. Mfg. Co., Menominee, Mich.**
**Ostrander W. R. & Co., 371 B'way, New York**
**Patrick & Wilkins Co. ("King") 51 N 7th, Phila., Pa.**
**Railroad Supply Co., 203 S Dearborn, Chicago, Ill.**
**Samson Elec. Co., 146 Summer, Canton, Mass.**
**Spielman Elec. Co. ("Seco") 1931 B'way, New York.**
**Stanley & Patterson ("Premier," "De Veau" Electrical Reset & Gravity), 23 Murray, New York**
**Star Electric Motor Co., Miller & N. J. R. R., Newark, N. J.**
**United Electric Apparatus Co. (for Railway Signal Systems), 1529 Columbus av, Boston, Mass.**
**U. S. E. M. Co. (Electric Lamp), 505 W 42nd, New York.**

## 177—Annunciators (Automobile)

**Cowles C. & Co. ("Madison Square" & "Mechanics Hall"), New Haven, Conn.**
**Holt & Beebe Co., 104 Brookline, Boston, Mass.**
**O'Brien Jos. F. Mfg. Co., 391 B'way, N. Y.**
**Robertson-Cataract Electric Co., 151 W Mohawk, Buffalo, N. Y.**

## 178-9—Annunciators (Elevator)

See also Annunciators

**Elevator Supplies Co., Hoboken, N. J.**
**Stanley & Patterson, Inc., 23 Murray, New York**

## 180—Anodes (Brass & Copper)

**AMERICAN BRASS CO., Waterbury, Conn.**
*For branch offices see adv index at end of book*
Apothecaries Hall Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
**Detroit Copper & Brass Rolling Mills, Clark av, nr Wabash R. R., Detroit, Mich.**
**General Platers Supply Co., 489 - 493 Broome, New York**
**Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.**
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
**Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York**
Hussey, C. G., & Co., 2850 2nd av, Pittsburgh, Pa.
**L'Hommedieu, Chas. F. & Sons Co., 24 S. Clinton, Chicago, Ill.**
**Matthews H. A. Mfg. Co., Seymour, Conn.**
**Metal Products Co., Inc., 100 S Jefferson, Chicago, Ill.** *See adv index at end of book*


**ANODES**

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**Chicago Stock or Mill Shipment**

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100 South Jefferson Street, Chicago, Ill.


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Neubeck, Adolf, Buffalo, N. Y.
**New Haven Copper Co. (Copper, Rolled Only), Seymour, Conn.**
**Randolph-Clowes Co. (Rolled), Waterbury, Conn.**
**Rome Brass & Copper Co. (Copper Anodes or Battery Plates for Electrotyping), Rome, N. Y.**
**Seymour Mfg. Co., Seymour, Conn.**
**Stamford Rolling Mills Co., Springdale, Conn.**
**Taunton-New Bedford Copper Co. (Copper), Taunton, Mass.**
**U. S. Electro Galvanizing Co., 36 Stockton, Brooklyn, N. Y.**
**Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.**

## 180a— Anodes (Bronze)

**Metal Products Co., Inc., 100 S. Jefferson, Chicago, Ill.** *See adv index at end of book*
**Munning A. P. & Co., Mattawan, N. J.**

## 181—Anodes (Gold & Silver)

**Benson H. K. & F. S. (Platers' Granulated & Anode Silver), Glen Ridge, N. J.**
**Handy & Harman (Fine Silver), 59 Cedar, New York**
**Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.**
**Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.**
**Hough W. S. Jr. Co., 61 Peck, Providence, R. I.**
**Jackson John & Co., 158 Astor, Newark, N. J.**
**Ney, J. M., Co., Hartford, Conn.**
**United Wire & Supply Co., Elmwood Station, Providence, R. I.**

## 182— Anodes (Nickel)

**Apothecaries Hall Co., Waterbury, Conn.**
**Bridgeport Brass Co., Bridgeport, Conn.**
**Burns E. Reed ("Diamond"), 27 Jackson Brooklyn, N. Y.**
**Ely C. Upham, 50 Vesey, New York.**
**General Platers Supply Co., 489 - 493 Broome, New York**
**Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.**
**Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.**
**Hussey, C. G., & Co., 2850 2nd av, Pittsburgh, Pa.**
**L'Hommedieu, Chas. F. & Sons Co., 24 S. Clinton, Chicago, Ill.**
**Munning A. P. & Co., Mattawan, N. J.**
**Neubeck, Adolf, Buffalo, N. Y.**
**Nickel Alloys Co., Oliver bldg., Pittsburgh, Pa.**
**Roessler & Hasslacher Chemical Co., 709 6th av, New York.**
**Seymour Mfg. Co. (Rolled & Cast), Seymour, Conn.**
**Stamford Rolling Mills Co., Springdale, Conn.**
**U. S. Electro Galvanizing Co., 36 Stockton, Brooklyn, N. Y.**
**Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.**
**WILLIAMS & CO. (INC.), 901-937 Pennsylvania av, Pittsburgh, Pa.**
*See adv index at end of book*

## 183— Anodes (Zinc)

**Apothecaries Hall Co., Waterbury, Conn.**
**Bennett-O'Connell Co., 3600 South Morgan, Chicago, Ill.**
**Grasselli Chemical Co., Guardian bldg, Cleveland, O.**
**Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.**
**Metal Products Co., Inc., 100 S Jefferson, Chicago, Ill.**
*See adv index at end of book*
**Munning A. P. & Co., Mattawan, N. J.**
**Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.**

## 183a— Anthracene

**Barrett Company, 17 Battery pl, New York**
**Lambert Chemical Co., 400 N 3rd, St. Louis**

## 184—Anti-Fluctuators (Gas Engine)

**American Meter Co., 3112 N 17th, Phila., Pa.**

## Anti-Friction Metals

**See Bearings of Various Kinds; also Babbitt Metal**

## 185— Anti-Hums

**Bunnell J. H. & Co., 32 Park pl, New York**
**Harvard Electric Co., 525 W Van Buren, Chicago, Ill.**
**Manhattan Electrical Supply Co., 17 Park pl, New York**
*See adv index at end of book*

## 186— Antimony

**American Smelting & Refining Co., 120 B'way, New York**
Beer, Sondheimer & Co., Inc. (Imp.), 61 B'way, New York.
**Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.**
Brooklyn Alloys Co., 17 Walton, Brooklyn, N. Y.
**Chrystal Charles B. 13 Cliff, New York**
*See adv index at end of book*
**Coates, Bennett & Reidenbach, Rochester, N. Y.**
**Coulston J. W. & Co. (Imp), 80 Maiden la, New York**
**Doggett Stanley (Imp, Golden & Crimson Sulpharet of), 11 Cliff, New York**
**Dunn, J. T. Co., Inc., (Imp), 216 Pine, San Fransisco, Cal.** *See adv index at end of book*
**Eagle Smelting & Refining Works (Imp.), 233 B'way, New York**
**Foote Mineral Co.** (Imp. & Mfrs.), 107 N 19th, Phila., Pa.
**Frost & Cundill, Inc.** (Imp), 60 Wall, New York
**Fuerst Bros. & Co.** (Imported), 2 Stone, New York
**Fulper Edw. B., Trenton, N. J.**
**Furukawa & Co., Ltd. (Imp.), 120 B'way,** New York
Harshaw, Fuller & Goodwin Co. (Metal, Needle & Oxide), Elec. bldg., Cleveland, O.
Hayman Mich'l & Co., Buffalo, N. Y.
Hill's, Edw. Sons & Co. (Imp.), 64 Wall, New York
**Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.**
**Jacobson I. M. & Sons Co., 70 Catherine,** Detroit, Mich.
**Katzenbach & Bullock Co. 100 William,** New York
**Klipstein A. & Co. (Imp), 644 Greenwich,** New York
**Lavino E. J. & Co. (Imp), Bullitt bldg,** Phila., Pa.
**LEAVITT C. W. & CO.** ("H. H." Brand, French, Metal, Crude & Oxide), 34 Church, New York
*See adv index at end of book*
**Lissberger Marks & Son** (Imp), 281 Borden av, Long Island City, N. Y.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
**Murphy Metals Co., 327 S. La Salle, Chicago, Ill.**
**Nassau Smelting & Refining Works, 607 W 29th, New York**
National Sales & Trading Co. (Crimson), Cleveland, O.
**Naugatuck Chemical Co., Naugatuck, Conn.**
**Norden A. & Co.** (Imp), Cotton Exch. bldg, New York
**Philipp Brothers (Imp), 29 B'way, New York**
**Pope Trading (Dealers & Importers), 90 West, New York**
Selby Smelting Works, 201 1st, San Francisco, Cal.
**Seligman Arthur, 165 B'way, New York**
**Tennant C. Sons & Co. of N. Y. (Imp), 100 William, New York**
**Trotter Nathan & Co. (Imp), 36 N Front,** Phila.. Pa.
**United Smelting & Aluminum Co.** (Jobbers), 183-189 Commerce, New Haven, Conn.
**U. S. Reduction Co., East Chicago, Ind.**
Vogelstein L. & Co., 43 B'way, New York
**Wah Chang Mining & Smelting Co.** (Imp), ("W. C. C." Brand), **233 B'way, New York**
**Weymouth, Ralph W.** (Imp), 116 B'way, New York
**Wiarda Jno. C. & Co.** (Diaphoretic, Metal, Needle, Oxide), **273 Greene, Brooklyn, N. Y.**
Wright, Faber & Co., Inc., 43 Exchange pl, New York

## 186a— Antimony Chloride

Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Wright, Faber & Co., Inc., 100 Hudson, New York

## 187—Antimony (Needle & Crude)

**Earle E. P.** (Crude), **165 B'way, New York**
**Foote Mineral Co.** (Imp. & Mfrs.), 107 N 19th, Phia., Pa.
**Frost & Cundill, Inc.** (Imp), 60 Wall, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
**Highfield, John W., 248 N. 10th, Brooklyn,** N. Y.
**Hill's Edward Sons & Co.** (Imp), **64 Wall,** New York
Hummel & Robinson, 26 Cortland, New York.
**Klipstein A. & Co.** (Imp), **644 Greenwich,** New York
**Mitsui & Co** (Imp), **65 Broadway, New** York
**Nassau Smelting & Refining Wks., Ltd.,** 603 W 29th, New York
National Aniline & Chemical Co., Inc. (Imp), 21 Burling slip, New York
**Norden A. & Co.** (Imp), **Cotton Exch.** bldg, New York
**Philipp Brothers (Imp), 29 B'way, New** York
**Raritan Chemical Works,** 8 W 40th, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York.
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 188— Antimony Oxide

**Drakenfeld B. F. & Co.** (Imp), **50 Murray,** New York
**Feuchtwanger, L. & Co., 74 Cortlandt, New** York
Frazer & Co., 50 Church, New York
**Fuller, Ralph L., & Co., Inc., 81 Fulton,** New York
Harshaw, Fuller & Goodwin (Golden Crimson Vermilion), Elec. bldg., Cleveland, O.
**Highfield, John W., 248 N. 10th, Brooklyn,** N. Y.
**Hill's Edward Sons & Co.** (Imp), **64 Wall,** New York
**Raritan Chemical Works** (French), 8 W 40th, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York.
**Seligman Arthur, 165 B'way, New York**
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 188a— Antimony Oxymuriate

Merrimac Chemical Co., 148 State, Boston, Mass.

## 188b— Antimony Regulus

Atlas Chemical Co., Waltham, Mass.
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.

## 188c— Antimony Salts

Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Innis, Speiden & Co., Inc., 46 Cliff, New York
*See adv index at end of book*
Powers-Weightman-Rosengarten Co., 916 **Parrish, Phila., Pa.**
Roessler & Hasslacher Chemical Co., 709 6th av, New York.

## 189—Antimony (Sulphuret of)

**Avery Chemical Co., 88 Broad, Boston,** Mass.
Cantor Joseph (Imp), 54 Stone, New York
**Coulston J. W. & Co.** (Imp), **80 Maiden la, New York**
**Foote Mineral Co.** (Imp. & Mfrs.), **107 N 19th, Phia., Pa.**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Innis, Speiden & Co., Inc.** (Imp), **46 Cliff,** New York. *See adv index at end of book*
Katzenbach & Bullock Co., 100 William, New York
**Pfaltz & Bauer** (Imp), **300 Pearl, New** York
**RARE METAL PRODUCTS CO.,** Belleville, N. J.
Rolls H. J., Ellicott Sq. bldg, Buffalo, N. Y.
**Scheel Wm. H.** (Imp), **159 Maiden la, New** York. *See adv index at end of book*
Smith Alfred, 98 Park pl, New York
**Uhlich Paul & Co.** (Imp), **11 Cliff, New** York
**Wiarda John C. & Co., 273 Greene, Brook** lyn, N. Y.

## 189a—Antimony (Tribromide)

Dow Chemical Co., Midland, Mich.

## 189b— Antipyrine

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York

## 189c— Anti-Rail Creepers

P & M Co. (The), ("P & M," "Vaughan," "Henggi"), 80 E. Jackson blvd., Chicago, Ill.

## 190— Anti-Rattlers (Rubber)

Goodrich B. F. Co., Akron, O.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
**New York Belting & Packing Co., 91** Chambers, New York
United & Globe Rubber Co., Trenton, N. J.

## 191— Anti-Rattlers (Steel)

See also Couplers, Shaft & Pole
**Bauer Bros. Mfg. Co.** ("Burton," "Higgin" & "Johnson"), **Richmond & Carr. Cincinnati, O.**
**Evans & Coppins Co.** ("Star Quick Shift"), Princeton, Ill.
**Fernald Mfg. Co.** ("Burton," "Quick Shift," "Ladd," "Fernald" & Wire Drive), North East, Pa.
**Monarch Carriage Goods Co.** ("Handy"), Cincinnati, O.
**Raymond Mfg. Co., Ltd., Corry, Pa.**
**Searls Mfg. Co., 29 Mulberry, Newark, N. J.**
**Tanner D. F.** ("Quick Shift"), **Holland, N. Y.**
**Wallace Supplies Mfg. Co.** ("Wallace"), 412 Orleans, Chicago, Ill.

## 192— Anti-Rattlers (Window)

Climax Lock & Ventilator Co. ("Climax"), 656 Michigan av, Buffalo, N. Y.
Elastic Tip Co., 370 Atlantic av, Boston, Mass.
Peabody Henry W. & Co. ("Feltoid"), 17 State, New York

## 193—Anvil, Vise & Drill Combined

See also Vises, Anvil, Combination
**Bloomfield Mfg. Co.** ("New Banner"), Bloomfield, Ind.
**BONNEY VISE & TOOL WORKS** ("Gipsey"), Allentown, Pa.
*See adv index at end of book*
**Millers Falls Co.** (Inserted Steel Vise Jaws), 28 Warren, New York. Works: Millers Falls, Mass.

## 194— Anvil & Vise Combined

See also Vises, Anvil, Combination
Adams A. L., Cedar Rapids, Ia.
American Scale Co., Kansas City, Mo.
**Bloomfield Mfg. Co., Bloomfield, Ind.**
**Bonney Vise & Tool Works** ("Gipsey"), Allentown, Pa.
*See adv index at end of book*
Columbian H'dwe Co., Cleveland, Ohio
Fisher & Norris ("Eagle"), Trenton, N. J.
Fulton Iron Works ("Cheney") 39 Franklin, Detroit, Mich.
**Hunt, Helm, Ferris & Co.** ("Star"), Harvard, Ill.
**Illinois Iron & Bolt Co., Carpentersville,** Ill.
**Loetscher-Ryan Mfg. Co.** ("Star"), Dubuque, Ia.
Millers Falls Co., 28 Warren, New York
Parker Charles Co., Meriden, Conn.
Richardson Mfg. Co., Worcester, Mass.
**Rock Island Mfg. Co.** ("Rock Island" Semi-Steel), **Rock Island, Ill.**
Southern Skein & Fdry. Co., Chattanooga, Tenn.
Strickler Hay Tool Co., Janesville, Wis.

## 195— Anvils (Bench, Etc.)

**BONNEY VISE & TOOL WORKS** ("Gipsey"), Allentown, Pa.
*See adv index at end of book*
Bullock Mfg. Associates, Springfield, Mass.
Columbian H'dwe Co., Cleveland, Ohio
Fisher & Norris ("Eagle"), Trenton, N. J.

ANVIL (BENCH, ETC.)—continued
Goodell-Pratt Co., Greenfield, Mass.
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
Millers Falls Co. ("Hills" Solid Steel), 28 Warren, New York
Potts D. H., Lancaster, Pa. Anvils (Bench, etc.)
**Rock Island Mfg. Co. ("Rock Island" Semi-Steel for Farm or Shops), Rock Island, Ill.**
Williams A. C. Co. (Family, small, 7½ lbs), Ravenna, O.

## 196—Anvils (Blacksmiths', Etc., Cast Iron)

American Skein & Foundry Co. ("Badger"), Racine, Wis.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.
Illinois Iron & Bolt Co. ("Vulcan"), Carpentersville, Ill.

## 197—Anvils (Blacksmiths', Etc., Imported)

Potts Horace T. & Co. ("Paragon," Swedish Steel), 318 N 3rd, Phila., Pa.
Wiebusch & Hilger (Peter Wright, Sole Selling Agent), 106 Lafayette, New York

## 198—Anvils (Blacksmiths', Etc., Steel)

Columbian Hardware Co. ("Columbian"), Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fisher & Norris ("Eagle," "Horseshoer," "Special"), Trenton, N. J.
General Trading & Export Co., Inc., Whitney Central bldg., New Orleans, La.
*See adv index at end of book*
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.
Southern Skein & Foundry Co. ("Southern Crescent"), Chattanooga, Tenn.
Yost Mfg. Co., Meadville, Pa.

## 199—Anvils (Blacksmiths', Etc., Wrought)

American Wrought Anvil Co., 298 Union av, Brooklyn, N. Y.
Columbus Anvil & Forging Co. ("Arm and Hammer"), Columbus, O.
**COLUMBUS FORGE & IRON Co. ("Trenton" Solid Wrought Iron), Columbus, O.** *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.

## 200— Anvils (Jewelers')

Fisher & Norris ("Eagle"), Trenton, N. J.
Worthington & Raymond ("Optimus," "W. & R"), 71 Murray, New York

## 201— Anvils (Paper Weight)

Wrightsville Hardware Co., Wrightsville, Pa.

## 202— Anvils (Plow & Farm)

Columbian H'dwe Co., Cleveland, Ohio
Evansville Tool Works, Evansville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fisher & Norris ("Fisher"), Trenton, N. J.
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
Howell, W. H. Co., Geneva, Ill.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Millers Falls Co., 28 Warren, New York
Rock Island Mfg. Co. ("Rock Island" Semi-Steel), Rock Island, Ill.

## 203— Anvils (Saw Makers')

Columbus Anvil & Forging Co., Columbus, O.
Covel Mfg. Co., Benton Harbor, Mich.
Disston Henry & Sons, Tacony, Phila., Pa.
Fisher & Norris, Trenton, N. J.
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
Potts Horace T. & Co. ("Paragon" Swedish Solid Steel), 318 N 3rd, Phila., Pa.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*

## 204—Apparatus for Making Rubber Stamps

Smith R. H. Mfg. Co., Springfield, Mass.

## 205— Apparatus (Gymnastic)

Medart Fred Mfg. Co., St. Louis, Mo.
*See adv index at end of book*

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**STEEL LOCKERS**
**Write for Catalogs**
**FRED MEDART MFG. CO.**
**ST. LOUIS, MO.**

Narragansett Machine Co. ("Standard"), Providence, R. I.

## 206— Applicators (Surgeons)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Safety First Supply Co., 107 3rd av, Pittsburgh, Pa.

## 206a—Appraisers (Factory, Etc)

American Appraisal Co., Stroh bldg, Milwaukee, Wis.
**APPRAISAL ENGINEERING CORPN.**, 428 Grand av, Milwaukee, Wis., & 53 W Jackson blvd., Chicago, Ill.
Baxter A. E. Engineering & Appraisal Co., Buffalo, N. Y.
Green Samuel M. Co. Inc., Springfield, Mass.
National Appraisal Co., 261 Franklin, Boston, Mass.
**RAU APPRAISAL CO.**, Patton bldg., Milwaukee, Wis., & 1632 Monadnock bldg, Chicago, Ill. *See adv index at end of book*

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United States Appraisals Co., 161 Summer, Boston, Mass.

## 207— Aprons (Advertising)

Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Hettrick Mfg. Co., Toledo, Ohio
Lewald F. & Co. (Grocers), 300 So. Wells, Chicago, Ill.

## 208—Aprons (Buggy & Carriage)

Adams E. B. & Son, Racine, Wis.
Bauer Bros. Mfg. Co., Richmond & Carr, Cincinnati, O.
Bayles Vehicle Top & Trimming Co ("Perfection"), Kansas City, Mo.
Buob & Scheu, 216 Webster, Cincinnati, O.
Cretors J. B. ("Superior"), St. Paris, O.
Du Pont Fabrikoid Co. (Storm), Wilmington, Del.
Hettrick Mfg. Co., Toledo, Ohio
Martin Auto Specialty Co. ("Martin"), Lancaster, O.
Monarch Carriage Goods Co., Cincinnati, O.
Parry Mfg. Co., Indianapolis, Ind.
Racine General Mfg. Co. (Jobbers "Standard" Adjustable), Racine, Wis.
Safe Storm Shield Co., Fremont, O.
Sioux City Iron Co., Sioux City, Iowa
Vehicle Top & Supply Co. (Adjustable, "Comfort," "Interlap"), 3414 Lindell av, St. Louis, Mo.
Walter Bros., Dallas City, Ill.
Warner Pole & Top Co., 1648 Central av, Cincinnati, O.

## 209—Aprons (Canvas, Duck, Etc.)

Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Carpenter Geo. B. & Co., 440 North Wells, Chicago, Ill.
Excelsior Bag & Mfg. Co. (Carpenters'), Troy, N. Y.
Fulton Bag & Cotton Mills (Butcher, Carpenter, Wagon, etc.), Atlanta, Ga.
Hettrick Mfg. Co., Toledo, Ohio
Imperial Mfg. Co. (Butchers', Waiters', Carpenters', Mechanics' & Waterproof, etc), Dayton, O.
Perfection Mfg. Co., 2701 Montclair, St. Louis, Mo.
**STANLEY WM. W.** (Canvas, Waterproof), 50 Church, New York.
Wheeler F. H. Mfg. Co. (Asbestos, Waterproofed Black Oiled Heavy), 215 W Huron, Chicago, Ill.
Willard Mfg. Co. (Carpenters' and Mechanics'), St. Albans, Vt.
Zittlosen Mfg. Co., Park & Dolinan, St. Louis, Mo.

### Aprons (Carpenters')

See Aprons, Canvas, Duck, Etc.

## 210—11 Aprons (Condenser)

Norwich Belt Mfg. Co., Norwich, Conn.

## 212— Aprons (Leather)

Atlantic Mfg. Co., Wilmington, Del.
California Tanning Co. ("Boss", "Dandy" Blacksmith, Lumberman, etc), 1905 Shenandoah av, St. Louis, Mo.
Coupe Wm. Co., Ltd. (Rawhide "Excelsior"), S Attleboro, Mass.
Firth Wm., 200 Devonshire, Boston, Mass.
Graton & Knight Mfg. Co. (Worsted), Worcester, Mass.
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Hudson Belting Co. ("Sheepskin"), 3 Eaton pl, Worcester, Mass.
North Chelmsford Machine & Supply & Supply Co., North Chelmsford, Mass.
Pechin Belting Co. ("None-Such"), Fairmount & Front Phila., Pa.
Turner J. S. Mfg. Co., Lowell, Mass.

## 213-4— Aprons (Mechanics')

See also Aprons, Canvas, Duck, etc.
See also Aprons, Leather

Alligator Oil Clothing Co. ("Alligator" Waterproof Army Olive & Black), Gravois & Bingham, St. Louis, Mo.
B. E. Mfg. Co. ("Bemco"), 18 W. 18th, New York
Buckeye Tent & Awning Mfg. Co. (Canvas), 264 Spruce, Columbus, O.
Hettrick Mfg. Co., Toledo, Ohio
Imperial Mfg. Co. (Muslin & Duck), Dayton, O.
Specialty Mfg. Co. (Heavy Duck), 2362 University av, St. Paul, Minn.
Troy Carriage Sun Shade Co. (Duck & Twill Carpenters' & Workmen's), Troy, O.
Zittlosen Mfg. Co., Park & Dolman, St. Louis, Mo.

### Aprons (Mill)

See Aprons, Rubber

## 215— Aprons (Rain)

Imperial Mfg. Co., Dayton, O.
Kroh C. Z. Mfg. Co., Toledo, O.
Springfield Auto Top & Upholstering Co., Springfield, Mass.

## 216— Aprons (Rubber)

**Beyerle J. J. Mfg. Co., 81 S 5th, Brooklyn, N. Y.**

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Davol Rubber Co. ("Baxter" Cloth Lined), 69 Point, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Home Rubber Co. (For Fourdrinier Paper Machines), Trenton, N. J.
Pennsylvania Rubber Co., Jeannette, Pa.
Stern Specialty Co. ("Utility"), 40 E. 22d, New York

## Aqua Fortis

See Acid, Nitric

## 216a— *Aquamarines

**DIAMOND DRILL CARBON CO.**, 59 Park Row, New York

## 217— Aquariums (Glass)

Co-Operative Flint Glass Co., Beaver Falls, Pa.
Fiske J. W. Iron Works (Glass & Iron), 111 Park pl, New York.

## 218—Arbors (Chuck, Lathe, Milling Machine, Etc.)

American Pneumatic Chuck Co. ("American" Operated), 9 S Clinton, Chicago, Ill.
Braunsdorf-Mueller Co. (Lathe), Elizabeth, N. J.
Brown & Sharpe Mfg. Co. (Milling Mch.), Providence, R. I.
Clark-Mesker Co., 18511 Euclid av, Cleveland, O.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Cochrane-Bly Co. (Milling Mch), Rochester, N. Y.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich. *See adv index at end of book*
Garvin Machine Co. (Milling Mch), 147 Varick, New York
Jacobs Mfg. Co. (For "Jacobs" Drill Chucks), 894 Park, Hartford, Conn. *See adv index at end of book*
KNAPP, ARTHUR, ENGINEERING CORP., 19 W. 44th, New York. *See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Tool Co. (Screw), Madison av & L. S. & M. S. Ry., Cleveland, O. *See adv index at end of book*
National Twist Drill & Tool Co., Detroit, Mich.
New Britain Tool & Mfg. Co., New Britain, Conn.
Nielson-Barton Chuck Co., 106 So. Jefferson, Chicago, Ill. *See adv index at end of book*
Pratt Chuck Co., Frankfurt, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Skinner Chuck Co., New Britain, Conn.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn. *See adv index at end of book*
Union Twist Drill Co. (Lathe, Milling Machine, etc), Athol, Mass.
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

## 219— Arbors (Saw)

See also Mandrels, Saw

American Saw Mill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Atkins, E. C. & Co., Indianapolis, Ind.
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
Chase Turbine Mfg. Co., Orange, Mass.
Covel Mfg. Co., Benton Harbor, Mich.
Crucible Steel Co. of America ("La Belle" Steel), Oliver bldg, Pittsburgh, Pa.
Deane Machine Co., Fitchburg, Mass.
Disston Henry & Sons, Tacony, Phila., Pa.
Erie Forge Co., Erie, Pa.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Goodell-Pratt Co., Greenfield, Mass.
Hall & Brown Woodworking Machine Co., 1913 N B'way, St. Louis, Mo. *See adv index at end of book*
Hemingway Machine Co., Lynn, Mass.
National Woodworking Machine Co., Dover, N. H.
Ohlen Bishop, 931 Factory, Columbus, O.
Pollak Steel Co., Cincinnati, O.
SIMONDS MFG. CO., Fitchburg, Mass. *See adv index at end of book*
Southern Saw Works, East Point, Ga.
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Wright Chas. E. Co., Kenilworth, N. J.

## 220— Arbors (Shell Reamer)

Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Gisholt Machine Co., Madison, Wis.
McCrosky Reamer Co., Meadville, Pa.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Rogers John M. Works, Gloucester City, N. J.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

## 221-2-3—Arc Deflectors & Controller Linings

Rutherford J. & Son ("Star" Deflector), Akron, O.

## Arc Lamp Cord

See Cords, Trolley, Arc Lamp & Bell

## Arches (Boiler)

See Brick, Boiler Arch

## 224— Architects

### ALABAMA.

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Mewhinney, Woodward bldg.
Miller J. A., Title Guarantee bldg.
Rayfield W. A. & Co., 105 1st av S
Ringer J. G., 1118 Princeton av
Warren W. T., Empire bldg
Welton Wm. Leslie, Am. Trust & Savings Bank bldg
Wheelock H. B., Steiner bldg
Whilldin D. O., Title Guarantee bldg
HUNTSVILLE—Love Edgar L.
MOBILE—Dowey Alois H., 111 S. Franklin
Hayes Chas A., Terminal Sta.
Hutchisson, C. L., Emanuel bldg.
Rogers Geo. B., Van Antwerp bldg
Slater Edward H., 2 E of Pleasant la
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Galliher C. F., First Nat. Bank bldg.
Lockwood Frank, 121 Adams
Okel & Cooper, Vandiver bldg
Smith & Carter, 21 Dexter av
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Horn J. G.
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LITTLE ROCK—Almand John Parks
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BAKERSFIELD—Biggar C. H.
Clark O. L.
Saffell J. M.
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Edelman & Barnett, 356 S. Spring
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Miller Chester H., 1st Sav. Bk bldg
Milwain, W. E., Albany bldg
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Ratcliffe, W. H. Jr., Berkely bldg
Reed & Corlett, Oak. Bk of Sav
Reid Francis W., 1725 6th av
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Beuttler John F., 110 Sutter
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Braun Wm. T., 155 N Clark
Brielmaier & Son, 19 S La Salle
Brown Arthur G., 109 N Dearborn
Brown Arthur Verne, 8 S Dearborn
Brydges E. N., 64 E Van Buren
Buck Lawrence, 64 E Van Buren
Buck Niels, 105 S. La Salle
Bullock E. C. A., 190 N State
Burnham D. H., 209 S La Salle
Burnham Hubert, 209 S La Salle
Burns Benedict J., 1548 Belmont av
Burns Jas., 64 W Randolph
Byrne Francis B., 104 S Michigan av
Cable Max L., 415 N Western av
Cady Jeremiah Kiersted, 179 W Washington
Caprado A. V., 105 N Clark
Carnegie Wm. G., 189 W. Madison
Carpenter & Weldon, 30 N La Salle
Carr Geo. W., 122 S. Michigan
Cerny Jerry J., 1444 S Crawford av
Chase Frank D., Inc., 645 N Michigan av *See adv index at end of book*
Chatten & Hammond, 64 E Van Buren
Cheney Howard L., 208 S. La Salle
Childs & Smith, 64 E Van Buren
Christensen Chas. W., 1818 Greenleaf
Chubb John D., 109 N Dearborn
Clark Edwin H., 6 N Michigan av
Clay Wm. W., 226 S La Salle
Coffin Arthur S., 39 W Adams
Cole Arthur W., 155 N Clark
Cole L. S., 14 E Jackson blvd
Coleman Jno. N., 6257 St. Lawrence av
Cook Norman W., 5655 Ridge av
Coolidge & Hodgdon, 134 S La Salle
Crosby W. S., 179 W Washington
Crowen Samuel N., 30 N La Salle
Dalsey Harry I., 2321 W North av
Davidson F. F., Monadnock blk
Davis & Davis, 64 E Van Buren
Dean & Dean, 137 S La Salle
De Golyer Robt. S., 76 W Monroe
DeMoney Frank O., 5 N La Salle
Dennison E. A., 122 S Michigan av
Dibelka Jas. B. & Co., 2743 W 22d
Dinkelberg Frederick P., 80 E Jackson blvd
Dippold A. P., 4747 Cottage Grove av
Doerr Bros., 28 E Jackson blvd
Doerr J. F., 105 N. Clark
Dougherty Floyd E., 35 N Dearborn
Drummond Wm., 19 S La Salle
Dubin & Eisenberg, 139 N Clark
Dubin Geo. H., 724 W Roosevelt rd
Dunning Max N., 310 S Wabash
Dwen Robt. G., 76 W Monroe
Dyer Scott C., 38 S Dearborn
Eckstorm Christian A., 5 N La Salle
Eichberg S. Milton, 64 W Randolph
Ermelling Ralph W., 155 N Clark
Faulkner Chas. D., 140 S Dearborn
Fellows Wm. K., 814 Tower ct
Filnas & Vittner, 175 W Jackson blvd
Fischer Fred'k Wm., 9129 Commercial av
Fischer John B., 140 S Dearborn
Fisher A. J. & Son, 4011 N Robey
Fitzpatrick F. W., 110 S Dearborn
Flaks Francis A., 2743 W 22d
Fletcher Robert C., 179 W. Washington
Flinn Raymond W., 8 S Dearborn
Foltz Frederick Co., 111 W Wash'n
Fortin Jos. T., 600 Blue Island av
Foster Arthur, 155 N Clark
Fox Charles E., 721 N Michigan av
Fox & Fox, 111 W Washington
France Roy F., 155 N Clark
Franklin Robert L., 64 E Van Buren
Frazier Clarence E., 30 N Dearborn
Friedl Herman, 154 W Randolph
Frommann & Jebsen, 64 W Randolph
Frost Chas S., 105 S La Salle
Fry Frank L., 140 S Dearborn
Fugard John Reed, 64 E Van Buren
Furst Wm. H., 140 S Dearborn
Gatterdam Fred E., 154 W Randolph
Gauger Wm., 36 W Randolph
Gaul Hermann, 111 W Washington
Gerhardt Paul, Garrick bldg
Giaver & Dinkelberg, 80 E Jackson blvd
Gibb Wm. R., 160 W Jackson blvd
Gibson B. K., 608 S Dearborn
Gillette Edwin F., 8 S Dearborn
Gordon M. E., 160 N Wells
Graham, Anderson, Probst & White, Canal & Washington
Granger Alfred, 72 W Adams
Graveley John, 64 E Van Buren
Green H. H., 30 N Michigan av
Greengard Bernhard C., 175 W Jackson blvd
Griesser Richard, 64 W Randolph
Grussing Geo. H., 154 W Randolph
Gubbins Wm. F., 155 N Clark
Guenzel Louis, 111 W Washington
Haagen Paul T., 155 N Clark
Hale Perley, 6 N Clark
Hall Eric E., 123 W Madison
Hall Emery S., 64 E Van Buren
Hallberg L. G., 116 S Mich. av
Hamilton J. L., 814 Tower ct
Hammond Chas. H., 64 E Van Buren
Hansen C. O., 1037 N Dearborn
Hansen Harold M., 112 N La Salle
Harris Ralph C., 79 W Monroe
Harvey Geo. L., 105 S Dearborn
Hatzfeld Clarence, 7 S Dearborn
Hawkinson Carl W., 332 S Michigan av
Hecht Albert S., 64 W Randolph
Heinz Lorenz H., 128 N La Salle
Henschien H. P., 37 W Van Buren
Hetherington J. T. & Son, 38 S Dearborn
Heun Arthur, 64 E Van Buren
Higgins F. J., 154 W Randolph
Himelblau A. L., 179 W Washington
Hirons F. C., 122 S Michigan av
Hodgdon Chas., 134 S La Salle
Hoerman Carl, 8 S Dearborn
Hoffman Wm. L., Jr., 144 W 47th
Holabird & Roche, 104 S Michigan av
Holmes & Flinn, 8 S Dearborn
Holmes Harold, 30 N Michigan av
Holsman Henry K., 175 N Jackson blvd
Hoover Ira W., 105 S La Salle
Hoskins John M., 2837 W Madison
Hosmer C. C., 53 W Jackson blvd
Huber Julius H., 6712 N Clark
Huehl & Schmid, 154 W Randolph
Hulla John, 140 S Dearborn
Hyde Robt. M., 8 S Dearborn
Hyland Paul V., 29 S La Salle
Jacobs Arthur, 128 N La Salle
Jenkins Austin D., 6 N Michigan av
Jensen Elmer C., New York Life bldg
Jobson C. Frank, Pullman bldg.
Jones Wm. C., 30 N La Salle
Joy S., 2001 W 39th
Keeber C. H., 109 N Dearborn
Kellogg Alfred K., 6 N Clark
Kingsley George S., 109 N Dearborn
Klafter David Saul, 64 W Randolph
Knapp Geo. A., 64 E Van Buren
Knox Arthur Howell, 14 W Washingt'n
Kochler Jacques, 806 W 79th
Kohfeldt Walter G., 64 E Van Buren
Krause Edmund R., 22 W Monroe
Kuehne Carl Oscar, 1572 N Halsted
Kupfer Otto A., 1865 Millard av
Lampe W. C., 155 N Clark
Lang Albert, 7 W Madison
Lautz Wm. H., 35 S Dearborn
Lawrence A. J., 123 W Madison
Layer Robt., 118 N La Salle
Lehle Louis, 3810 B'way
Leviton Morton, 53 W Jackson blvd
Levy Alex. L., 28 N Clark
Lewis & Dougherty, 35 N Dearborn
Liedberg Hugo J., 154 W Randolph
Lindquist Fred'k F., 179 W Washington
Llewellyn Jos. C., First Nat. Bk. bldg.
Llewellyn Ralph C., First Nat. Bk. bldg
Loewenberg & Loewenberg, 29 S La Salle
Lovdall Geo. F., 127 N Dearborn
Lovell Sidney, 30 N Michigan av
Lowe & Bollenbacher, 108 S La Salle
Ludgin Jos. G., 53 W Jackson blvd
Luhr & Friedl, 154 W Randolph
Lund Anders G., 453 W 63d
McArthur Albert C., 39 W Adams
McCarthy Jos. W., 139 N Clark
McDonald Luther W., 849 E 73d
McLaren R. J., 37 W Van Buren
MacBride E. E., 64 E Van Buren
Mahaffey David, 118 N La Salle
Maher Geo. W., 206 S La Salle
Mallinger John, 3626 Racine
Mann Wm. D., Ashland Blk., Austin Sta
Marshall Benj. H., 700 N Michigan
Marshall & Fox, 706 N Michigan av
Martin Edgar, 104 S Michigan av
Martini E. A., 155 N Clark
Marx Samuel A., 175 W Jackson blvd
Mayo Ernest A., 53 W Jackson blvd
Meldahl Jens J., 104 S Michigan av
Meredith & Stoetzel, 413 S Dearborn
Meyer Frederick H., 64 W Randolph
Michaelsen, Christian S., 80 E Jackson blvd
Miller Clyde, 112 W Adams
Miller, Fullenwider & Dowling, 6 N Michigan
Miller Jos. A., Ashland blk
Miller Wm C., 204 N Karlov av
Minchin Sidney H., 140 S Dearborn
Mitchell Lewis M., 35 N Dearborn
Morehouse Merrit J., 343 S Dearborn
Morgan Chas. L., 116 S Michigan av
Morrison J. R., 20 W. Jackson blvd
Mundie & Jensen, 39 S La Salle
Nadherny Jos. J., 38 S Dearborn
Nathan M. O., 53 W Jackson blvd
National Concrete Constr. Co., 123 W Madison
Newberry Robert Thorne, 108 S La Salle
Newhouse Henry L., 4630 Prairie av
Newman Edgar M., 30 N La Salle
Nielsen Elker R., 3059 Augusta
Nimmons Geo. C., 122 S Michigan av
Norman Andrew E., 1526 Devon av
Nyden John A., 196 W State
Ohrenstein Ernest J., 58 W Wash
Olsen Paul F., 127 N Dearborn
Olsen & Urbain, 155 N Clark
Olson Benj. Franklin, 19 S La Salle
Ostergren Robert C., 155 N Clark
Otis & Clark, 6 N Michigan av
Parsons Wm. E., Ry. Exch. bldg
Pashley Alfred F., 431 S Dearborn
Patton, Holmes & Flinn, 8 S Dearborn
Perkins Dwight H., 814 Tower court
Perkins, Fellows & Hamilton, 814 Tower Court
Perkins Frank W., 7524 Stewart av
Perkins Fred'k W., 64 E Van Buren
Perry Walter E., 64 E Van Buren
Pierce R. G., 10 S La Salle
Pingrey Roy E., 209 S La Salle
Pond & Pond, 64 E Van Buren
Postle & Fisher, 140 S Dearborn
Powers Horace S., 5 N La Salle
Price Hugh A., 175 W Jackson blvd
Pridmore John E. O., 38 S Dearborn
Prindeville Chas. H., 64 E Van Buren
Proskauer A., 109 N Dearborn
Pruyn Wm. H. Jr., 122 S Michigan av
Puckey Francis W., 6 N Michigan av
Purcell & Elmslie, Peoples Gas bldg
Quackenboss Leonard G., 35 N Dearborn
Quinn J. Edwin, 123 W Madison
Radford Architectural Co., 1827 Prairie
Raeder Henry, 20 W Jackson blvd
Randall Frank A., 19 S La Salle
Rapp C. W. & G. L., 190 N State
Rebori A. N., 30 N Michigan av
Reed Earl H. Jr., 108 N Dearborn
Reily Solon L., 112 W Adams
Reynertson Theis J., 1937 N Crawford av
Rezny Jas. B., 2204 S Crawford av
Richards Henry H., 5467 Washington blvd
Riddle & Riddle, 122 S Michigan av
Rissman Maurice B., 139 N Clark
Roberts Eben E., 82 W Washington
Robertson David, 155 N Clark
Rogers Jas. Gamble, 19 S La Salle
Rohm Jean Baptist & Son, 138 N La Salle

ILLINOIS—Chicago—continued
Runde Otto, 4831 Barry av
Rupert Edward P., 154 W Randolph
Russel L. E., 25 N Dearborn
Ryan Wm. J., 154 W Randolph
Sandegren Andrew, 25 N Dearborn
Saxe Albert M., 64 E Van Buren
Saxe Ira C., 127 N. Dearborn
Schlacks Henry J., 721 N Michigan av
Schmid R. G. & Co., 154 W Randolph
Schmidt Richard E., 104 S Michigan av
Schoenfeldt Frank, 4058 W Madison
Schulze Carl E., 178 W Jackson blvd
Schulze Wm., 2009 W North av
Schwartz Albert A., 118 N La Salle
Seator Sinclair M., 35 N Dearborn
Seyfarth Robt. E., 134 S La Salle
Shank Edward D., 38 S Dearborn
Shattuck & Hussey, 19 S La Salle
Shaw Howard Van Doren, 39 S State
Sierks Henry, 180 N Dearborn
Slovinec Jno., 5138 S Artesian av
Smith Robert S., 111 W Monroe
Smith Wm Jones, 64 E Van Buren
Smith Z. Erol, 305 E 55th
Spencer N. S. & Son, 37 W Van Buren
Spencer, Powers & Martin, 5 N La Salle
Spitz Alex H., 105 W Monroe
Spitzer Maurice, 5 N La Salle
Stanhope Leon E., 59 E Madison
Steif B. Leo, 30 N La Salle
Stern I. S., 35 S Dearborn
Stevens C. Whitney, 64 W Randolph
Stevens H. L. & Co., 30 N Michigan av
Stoetzel R. E., 431 S Dearborn
Stone John R., 8 S Dearborn
Strandel Chas. A., 118 N La Salle
Strauch Moritz F., 1356 Diversey P'way
Sturges Howard P., 19 S La Salle
Sturm Meyer J. (Hospitals Exclusively), 116 S Michigan av
Sullivan Louis H., 1808 Prairie av
Swern Perry W., 19 S La Salle
Taggart John A., Inc., 29 S La Salle
Tallmadge & Watson, 189 W Madison
Teich Frederick J., 305 S La Salle
Teisen Axel V., 3133 Logan blvd
Thisslen Chas., 14 W Washington
Thomsen Frederick W., 1949 Seminary
Tilton John N., 226 S La Salle
Tocha Anton A., 1225 N Ashland av
Tomlinson H. Webster, 64 E Van Buren
Uffendell Wm. G., 39 S. State
Vade Louis H., 220 S Michigan av
Van Gunten Orlando, 64 E Van Buren
Venning Frank L., 108 S La Salle
Viehe-Naess Ivar, 64 E Van Buren
Vigeant Xavier, 175 W Jackson blvd
Vitzthum K. M. & Co., 21 E Van Buren
Von Holst H. V., 72 W Adams
Walcott Chester H., 76 W Monroe
Walcott Russel S., 76 W Monroe
Walker Frank Chase, 20 N Jackson blvd
Walker Fred G., 4712 Beacon
Wallace Dwight G., 6 N Clark
Wallace & Kellogg, 6 N Clark
Walter Mead, 127 N Dearborn
Waterman Harry H., 10 S La Salle
Waterbury Chas D., 64 E Van Buren
Watson V. S., 189 W Madison
Webber Peter J., 343 S Dearborn
Weber Alfred P., 117 W Washington
Weisfeld Leo H., 53 W Jackson blvd
Weiss John W., 53 W Jackson blvd
Westerlind C., 111 W Washington
Wheelock H. B., 64 W Randolph
White Chas. E. Jr., 343 S Dearborn
Whitney Wm. P., Peoples' Gas bldg
Williamson Wm. G., 19 S La Salle
Wilmanns August C., 35 S Dearborn
Wilson Horatio & Co., 11 S La Salle
Woerner Adolph, 3166 Lincoln av
Woltersdorf & Bernard, 138 N La Salle
Work Robt., 220 S Michigan av
Worthman & Steinbach, 155 N Clark
Wright Clark C., 122 S Michigan av
Wright Frank Lloyd, 104 S Michigan av
Youngberg John E., 30 N Dearborn
Zarnowiecki Jos C., 1859 W Chicago av
Zidek Jos., 4021 W North av
Zimmerman Ralph W., 64 E Van Buren
Zimmerman, Saxe, Zimmerman, 64 E Van Buren
Zimmerman W. Carbys, 64 E Van Buren
COLLINSVILLE—Eberhardt Henry W.
DANVILLE—Garrett Urias E.
Lewis & Dougherty
Liese & Ludwick
McCoy & Skadden
Stuebe Leon F. W.
DECATUR—Aschauer Waggoner
Brooks & Bramhall
Clausen S. A.
McNabb Wm. O.
Patterson Melville G.
Scribbins John A.
DIXON—Vail Morrison H.
EAST MOLINE—Reeves Alfred J.
EAST ST. LOUIS—Frankel Albert B.
Kennedy Jno. W., Cohokie bldg
Mueller, B. A., Arcade bldg
Pfeiffenberger L. & Son, Main & Division
Riester & Rubach, Murphy bldg
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Pauly Charles
ELGIN—Morris G. E.
Postle David E.
EVANSTON—McCall, Thos., 843 Ridge av
FAIRBURY—Schmetzler Chas. H.
FOREST PARK—Burtar Adolph G., 7616 Madison
Karbach Chas., 7229 Madison
FORT SHERIDAN—Rice Josiah L.
FREEPORT—Dustman Urias M.
GALESBURG—Aldrich & Aldrich
Beadle J. Grant
GENESEO—Okeberg Jno. V.
GRANITE CITY—Pauly, Chas. & Son
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Pierson J. K. C.
JOLIET—Cowell Herbert, 1 Jefferson
Hoen Rudolph G., Joliet Nat'l Bank bldg
Wallace Charles L.—D'Areyo, Hammond bldg
Wallace Elizabeth B., 227 Jefferson
Webster Chas. Woods, Cutting bldg
KANKAKEE—Henry Chas. D.
KEWANEE—Heaps S. Leroy
LA GRANGE—Krauch Walter T.
LA SALLE—Hanifen, John, Tribune bldg
Matteson Victor Andre, Music Hall bldg
LINCOLN—Deal & Ginzel
MACOMB—Fuhr Jno. H.
Holmes Willis B.
MOLINE—Eckerman Oscar A.
Eckland Henry
Schulzke Wm. H.
Whitsitt H. W.
MORGAN PARK—Blood L. A., 2246 Morgan av
MOUNT MORRIS—Buser Nathaniel E.
MOUNT VERNON—Atkinson, W. H.
MURPHYSBORO—Gill R. Z.
OAK PARK—Bragstad J. W., 726 S Ridgland av
Ellis Frank M., 801 S blvd
Fiddelke H. G., Parkside bldg
Harned Henry P., 231 Wisconsin av
Hoffman H. Curtis, Shiller bldg
Racine Lewis, 806 Congress
Van Bergen, Jno. S., Caldwell bldg
OTTAWA—Hanifen John
Richardson Jason F., Jr.
PEORIA—Day & Bullard, Peoria Life bldg
Hewitt & Emerson, Peoria Life bldg
Hotchkiss Robert J., 233 S Jefferson av
Huisebus Bernhard L., Jefferson bldg
Kiefer Albert, Jefferson bldg
Reeves & Baillie, 141 N Jefferson av
Whitmeyer Mark H., 204 S Glenwood av
PERU—Wachter Henry F.
PONTIAC—Young Richard A.
QUINCY—Batschy Jno., Wells bldg
Behrensmeyer George P., 403½ Main
Chatten Harvey, Wells bldg
Geise Martin J., 800 Main
Ledebrink Fred C., 615¼ Hampshire
Wood Ernest M., 126 N 8th
ROCKFORD—Bradley Chas. W., Brown bldg
Carpenter F. A., Brown bldg
Peterson & Johnson, Swedish-Am. Bank bldg
ROCK ISLAND—Cervin & Horn
McLane Cyrus D.
Stauduhar Geo. P.
ROGERS PARK—Melin Chas. W., 1302 Columbia av
SANDWICH—Howison Charles
SPRINGFIELD—Bullard & Bullard, Unity bldg
Conway Wm. H., 104 East Side sq
Hamilton Frank H., City Hall
Hanes Saumel J. & Son, 205¼ S 6th
Helmle & Helmle, Ferguson bldg
Rinaker Jno. I., Ridgely Bank bldg
STERLING—Ecklund, Fugard & Knapp
Van Horne Philip T.
STOCKTON—Goodmiller Preston V.
STREATOR—Allen A. W.
Foster Wm. G.
TOLEDO—Ash Percy, University of Ill.
Curtis N. C., University of Ill.
Hanker Chas.
URBANA—Maxwell Wymer W.
Royer Jos. W., Flatiron bldg
White Jas. M., (Supvg. Archt. Univ. of Ill.), Administration bldg
WHEATON—Salisbury Robt. H.
WILMETTE—Blake, Edgar O.
Rae Robt., Jr.
Wood Jas. M.

## INDIANA.

ANDERSON—Meckel Jno.
Watkins Ernest R.
BEDFORD—Pritchett Milton C.
BERNE—Bagley Abraham
BLOOMINGTON—Nichols John Lincoln
BRAZIL—Johnson M. H., Jr.
COLUMBUS—Clevenger C. R. & Co.
Crowe R. B.
CONNERSVILLE—Griffin H. M.
La Fayette Conwell
CRAWFORDSVILLE—Griffith Geo. T.
DECATUR—Christen Chas.
Hoffman Oscar
EAST CHICAGO—Wiley M. Clifford
ELKHART—Elwood A. H. & Son
Turnock E. Hill & Son
ELWOOD—Risinger W. A.
EVANSVILLE—Boyle Harry E. & Co., Furniture bldg
Capelle A. J., Woods bldg
Fowler & Capelle, American Trust & Savings Bank bldg
Karges H. Gilbert, Furniture bldg
Metzner Louis L., 714 E Penna.
Russ Wm. E., Furniture bldg
Schlotter Frank J., 113½ Upper 4th
Shopbell Clifford & Co., Furniture bldg
FORT WAYNE—Allen Fk. F., 725 Putman
Aurentz Raymond J., 1206 Hugh
Bell W. E., Shoaff bldg
Fair Perry W., Bass blk
Griffith & Fair, 505-6 Bass block
Griffith & Goodrich, No. Am. bldg
King Jno. F., Bank blk
Mahurin & Mahurin, 124 W Jefferson
Meyer Henry W., Old Nat'l Bank bldg
Riedel J. M. E., 542 State blvd
Tolan Brentwood S., Farmers Trust bldg
Weatherhogg Chas. R., Hamilton Nat'l B'k bldg
Wing J. F., Pixley-Long bldg
FRANKFORT—Collins O. C. & Co.
GARY—Erickson Herbert
Hiner Lewis E.
James S. H.
Verplank J. J.
Wickes A. F.
HAMMOND—Berry, Addison C. & Co.
Hutton Jos. T. & Son
Turner Mac
HUNTINGTON—Brineman M. D.
Craig, Samuel A., 33 W. Market
Gierhart J. B.
INDIANA HARBOR—Cornwell Fay D.
Tredwell & Kraft
INDIANAPOLIS—Albersmeier Wm. H. Rauh bldg
Allen Layton, Lombard bldg
Bacon Chas. E., 1110 Odd Fellow
Bass, Knowlton & Graham, Hume-Mansur bldg
Blackledge J. E., 422 K. of P.
Bohlen D. A. & Son, Majestic bldg
Brubaker & Stern, Aetna bldg
Builders Constr. Co., 540 N Meridian
Byfield Chas. H., Law bldg
Cannon Fermor, 21 Virginia av
Carr Merrett L., 656 Lemcke annex
Crabb Everett H., State Life
Daggett R. Frost, Lemcke Annex
Dark Stephen C., Baldwin bldg
Davenport & Williams, Castle Hall
Dietz H. Ziegler, Public Sav. Ins. bldg
Dunlap Elmer E., State Life bldg
Fitton H. R., 540 N Meridian
Foltz Herbert W., Lemcke Annex
Garns W. H., Fletcher Trust bldg
George & MacLucas, Lemcke annex
Harrison Merrit, Bd. of Trade bldg
Hill Norman H., 601 Lombard
Hunter Frank B., State Life bldg
Kopf J. Edwin & Wooling, Indiana Pythian bldg
McGuire & Shook, Indiana Pythian bldg
Morck Wm. O., Lombard bldg
Parker Wilson B., 620 State Life
Rubush & Hunter, Amer. Cent. Life bldg
Russ W. E., 313 N Penn
Scholer Walter, State Life
Shook W. B., Ind. Pythian
Sturges Louis H., Board of Trade bldg

Vonnegut & Bohn, Indiana Trust bldg
Western Wrecking Co., 1532 W Washington
Wigham & Blackledge, 422 K. of P.
Winterrowd Thos. A., Am. Central Life bldg
Woolling K. K., Ind Pythian
KOKOMO—Dunlap Elmer E.
Honeywell A. A. Co. (Church)
McGraw & Stevenson
LAFAYETTE—Alexander Jas. F. & Son
Boonstra J. A.
Brown G. S.
Gault Edw E.
Kashner C. D. & Son
Nicol Chas. W.
LAPORTE—Allen Geo. W. & Son
LINTON—Fritz John T.
LOGANSPORT—Horn Carl J.
MARION—Bowstead Henry G.
Elder Hiram
French Burt L.
Plato Samuel
MICHIGAN CITY—Ahlgrim F. H.
MISHAWAKA—Brubaker O. C.
MONTICELLO—Young Sam'l
MUNCIE—Kibelee Cuno
Thompson, M. G.
NASHVILLE—Grindle, Alfred
NEW CASTLE—Taylor Chas. W.
PERU—Fike H. P. & Co., 384 Adams av
PLYMOUTH—Ness J. E.
RICHMOND—Hasecoster J. A., 2nd Nat. Bk. bldg
Mansfield Geo. W., 906 Main
Yates Stephen O., 1521½ N. D.
SEYMOUR—Hall Robt. H.
SOUTH BEND—Austin Ennis R., J. M. S. bldg
Freyermuth & Maurer, Warner bldg
Schneider Walter W., 120 So. Main
Shambleau Roy, 731 J. M. S. bldg
Wiser, G. B., J. M. S. bldg
Young Ernest W., Dean bldg
SYRACUSE—Kingsley W. M.
TERRE HAUTE—Johnson & Miller, 105 S 7th
Koerner Robert A., 681 Ohio
Leonard Rodney W., Rea bldg
Scott Charles E., 1517 N 7th
Self James E., Grand Opera House
Shourds, McCormick Co.
Thomas & Allen, 25½ S 5th
Vrydagh J. G., 10 N 6th
Vrydagh Robt. T., McKeen blk
TIPTON—Porter S. J.
UNION CITY—Losch C. E.
VALPARAISO—Lembke Chas. F.
Snader D. L.
VINCENNES—Bayard Jno. B.
Gaddis John W.
Osterhage Louis H. & Sutton, Byron
WABASH—Stewart Wm.

## IOWA.

ADEL—Holtzman W. D. Jr.
AMES—Kimball, Allen, Holmes, 129 E 7th
BURLINGTON—Washburn Geo. H.
Weibley Wm. F.
CARROLL—Hart Sanford P.
CARSON—Weeks, O. B.
CEDAR RAPIDS—Brown W. J., Am. Tr. bldg
Dieman & Co., Granby bldg
Hunter Harry Edgar, Security bldg
Josselyn & Taylor Co., Security Saving Bank bldg
Richards D. W., 215 S 2d
Zalesky C. B.
CHARITON—Hougland O. A.
CHARLES CITY—Nosser J. J.
CLARION—White J. B. & Son
CLINTON—Morrell John & Son
Work N. P.
CONRAD—Gier E. F.
COUNCIL BLUFFS—Jensen J. Chris
Schneider Henry J.
Woodward Jno. C.
CRESTON—Yule Clarence L.
DAVENPORT—Clausen & Kruse, Central Office bldg
Ebeling Arthur H., 1106 W 15th
Gartside Benj. W., Jr., Lane bldg
Holbrook Erwin G., Whitaker bldg
Temple & Burrows, Davenport Saving Bank bldg
DENISON—Barber Edgar L.
DES MOINES—Eastman C. E., Observatory bldg
Gier, E. F.
Keffer & Jones, Hubbel bldg.
Liebbe, Nourse & Rasmussen, Utica bldg
McDowell J. G. & Co., Good blk
Proudfoot Bird & Rawson, Hubbel bldg
Sawyer & Watrous, Hippee bldg
Vorse & Kraetsch, S. & L. bldg
Wetherell Frank E., Youngerman bldg
DUBUQUE—Beck Guido, 446 Hill
Bush Charles T., 825 Julien av
Carkeek Thos. T., Lincoln bldg
Heer Fred J., B. & I. bldg.
Saam Karl F., 4th & Main
Vanderveer John
Webster James
ESTHERVILLE—Jeffries A. H.
FORT DODGE—Albright J. H.
Bradford J. W.
Damon E. O., Jr.
Nippell Max
Reely T. W.
FORT MADISON—Bannon Michael E.
INDEPENDENCE — Netcott H. E. (school)
IOWA CITY—Carpenter O. H.
Freyder F. X.
KEOKUK—Brady Jos. L.
Flamboe A. G. H.
MARSHALLTOWN—Eckman Chas. H.
Kemper B. F.
Reimer
MASON CITY—Bogardus E. R. & Son
Broaten & Mincy
Jeffers J. H.
Trafzer J. W.
MUSCATINE—Zeidler H. W.
OSAGE—Stoughton G. A.
OSKALOOSA—Burdick A. W.
Sinclair S. B.
OTTUMWA—Eaton A. A.
Kerns Geo. M., Corn Club bldg
SIGOURNEY—Seger D. T.
SIOUX CITY—Beach W. W., Co. Motor Mart bldg
Beuttler & Arnold, Grain Ex bldg
Burkhead G. W., Iowa bldg
Steele Wm. L., United Bank Bldg
STORM LAKE—Marten & Sutherland
Unger & Park
STRAWBERRY POINT—Gratke, G. E.
WATERLOO—Burr Howard B.
Cleveland Mortimer B.
Ralston J. G.
Shockley Clinton P.
WAVERLY—Leitha J. F.
WEBSTER CITY—White J. R.

## KANSAS.

ARKANSAS CITY—Atee, W. L.
BELOIT—Slack Frank A.
BAXTER SPRINGS—Johnson, C. H.
CHANUTE—Pratt J. W.
COFFEYVILLE—Henderson C. A.
ELDORADO—Simon W. H.
EMPORIA—Brinkman H. W.
Marx Wm. F.
Squires Chas. W.
FORT SCOTT—Gardner J. H., 324 So. Little
Huff Walter S. & Co.
GREAT BEND—Redman & Maher.
HALSTEAD—Steele Benton
HANOVER—Dunn Walter T.
HUTCHINSON—Delano, C. W.
Hulse W. E. & Co.
Mann & Gerow
Martin C. F.
Riggs J. S.
INDEPENDENCE—Fletcher F. F.
KANSAS CITY—(See Kansas City, Mo.)
LAWRENCE—Blair Albert E.
Goldsmith Goldwin, 306 Marvin Hall, University of Kansas
LEAVENWORTH—Feth Wm. P.
McPHERSON—Skiff J. H.
MANHATTAN—Baker Cecil Frank, Kansas State Agric. College
Winter H. B.
OTTAWA—Washburn Geo. P. & Son., 222 So. Main
PARSONS—Briggs J. E.
PITTSBURG—Callin A. C.
Munn G. J.
SALINA—Shaver C. W.
Smith C. A.
Wilmarth & Zerbe (& Structural Engrs.)
TOPEKA—Cuthbert, D., 435 Kansas av
Gamble, R. I. (State Archt.)
Glover, W. G.
Holland & Glover, Mills bldg.
Lescher T. H., 920 Monroe
Mitchell C. B.
Squires Frank C., 628 Kansas av
Williamson T. W., Central Bk. bldg
Wood L. M., 629 Kansas av
WICHITA—Bond S. G., 227 E. Douglas av
Cassidy L. M., 1343 N Waco av
Charles U. G., Schweiter bldg
Conrow H. S., Schweiter bldg
Crowell & Van Meter, Caldwell-Murdock bldg
Culver W. W., Butts bldg
Florsblom Ed.
Kagy A. H.
McCune F. G., Winne bldg
Rixse F. D., Walters bldg
Schmidt Lorentz, 126 N Market
Schuler Dan
Street N. V., 403 N Volutsia av
Terry C. W., Michigan bldg
Van Meter G. W.
Voigt S. S., Fourth Nat'l bldg
WINFIELD—Fuller J. N. Co.
Ross I. R.

## KENTUCKY.

ASHLAND—King J. M.
BARDSTOWN—Stanley O.
BOWLING GREEN—Fleenor C. M.
COVINGTON—Hildreth & Beekman, 2018 Scott
House C. W. & Sons (& Builders)
Schofield Geo. W., 1st Nat. Bk. bldg
Wisenall Bernard T., 1st Nat. Bk. bldg
CYTHIANA—Stevens Joseph R. & Co.
DANVILLE—Van Dalsem W. S.
FT. THOMAS—Weber John R.
FRANKFORT—Oberwarth Leo L.
FULTON—Spradlin W. H.
HENDERSON—Trible E. S.
HOPKINSVILLE—Gatlin W. R. (Specialty: Theatres)
Long James Lee
Waller John T.
JUNCTION CITY—Turnbull C. D.
LEXINGTON—Anderson & Frankel
Geretz Martin
Manley F. J.
Moore John V.
Stamler E.
LOUISVILLE—Collins Val. P., Met. bldg
Davis Brinton B., Starks bldg
Hutchings E. T., Columbia bldg
Joseph & Joseph, Francis bldg
Loomis & Hartman, Todd bldg
Maury Mason, Board of Trade bldg
Meyer & Brenner, Lincoln bldg
Murphy D. X. & Bro., Louisville Tr. bldg
Nevins & Henry, Starks bldg
Nolan Thos. J., Courier-Journal bldg
Rosen R. O., Todd bldg
Smith Arthur R., Realty bldg
Ward O. P., Lincoln Bank bldg
Wischmeyer Hermann, Starks bldg
LUDLOW—Purcell Wm. R.
MOUNT STERLING—Williams E. L.
NEWPORT—Beiting Edward, 411 W 10th
Glick Jacob, 112 E 6th
Raabe Lawrence, 111 E 7th
Vogel Chas., 133 16th
Ware Randolph F., 407 York
Wilson Louis H., 10 W. 4th
OWENSBORO—Killian A., 519 St. Ann
Kimberlin C. W.
Whitehead John W.
PADUCAH—Brainerd Wm. L.
Lassiter A. L. & Bro.
SHELBYVILLE—Gruber & Doss
WINCHESTER—Crone J. W.

## LOUISIANA.

ALEXANDRIA—Duncan & Barron, 120 Murray
Yeager C. Scott
BATON ROGUE—Charlton Chas. H., Jr.
Goodman Benj. J.
COLFAX—Carver Joe
LAKE CHARLES—Carter Ira Calvin
Philips & McCook
MONROE—Smith J. W.
MORGAN CITY—Ghirardi P. B.
NEW IBERIA—Phillips E. W.
NEW ORLEANS—Andry Paul, 510 Tulane Newcomb
Armstrong & Koch, Audubon bldg
Baccich & de Montluzin, Maison 306 Baronne
Brandner Jos. T., 235 N Broad
Burk & Dufrechous, 808 Perdido
Burton & Bendernagel, Audubon bldg
Charlton J. F., 730 Gravier
Churchill, Frank G., Hennen bldg
De Buys Rathbone, Hibernia bldg
Deckbar H. C., 740 Union
Diboll & Owen, Ltd., Interstate bldg
Dreyfus F. J., Title Guar. bldg
Favrot & Livaudais, Perrin bldg
Goldstein Moise H., Title Guarantee bldg

LOUISIANA—New Orleans—continued
Jones & Roessle, Maison Blanche bldg
Keenan Walter C., Strand bldg
Kohlman Nathan, Godchaux bldg
Krumbhaar W. B., 618 South
Labouisse S. S., Hennen bldg
Lagarde Jos. J., 730 Union
McCarthy R., Jr., Hennen bldg
MacDonnell Francis J., Hennen bldg
Mohr Oscar P., 728 Gravier
Nelson A. J., Whitney bldg
Robelot A. N., Tulane-Newcomb bldg
Smith A. L., 228 S Hennessy
Sporl Edward F., Nat'l Realty bldg
Stevens W. L., Whitney bldg
Stone Samuel, Jr., 714 Union
Toledano Wogan & Bernard, Perrin bldg
Weil Emile, Whitney-Central bldg
Williams C. Milo, Hennen bldg
SHREVEPORT—Annan J. P., 1319 Fairfield av
George E. A., American Nat'l Bank bldg
Huff Chas. B., 1715 Park av
King Clarence W., 1st Nat'l Bank bldg
Lack F. T. & Son, Ward bldg
Neild E. F., Commercial Bank bldg
Olschner C. E., Merchants bldg
Snyder John Young, Merchants bldg

## MAINE.

AUGUSTA—Bunker & Savage
BANGOR—Crowell C. Parker, 27 State
Hodgins Victor
Lancaster, Walter S., 27 State
Mansur Wilfred E.
Patterson Fred'k A.
BAR HARBOR—Savage F. L.
Stratton Milton W.
BERWICK—Slater Forest E.
BLAINE—Beals W. A.
BLUE HILL—Hinckley W. R.
BOOTHBAY—Adams P. D.
Blair J. H.
CAMDEN—Brown Cyrus P.
Greenlaw A. E.
Ritterbush S. G.
DEXTER—Dexter H. P.
Young Fred M.
GARDINER—Richards Henry
KENNEBUNK—Barry Wm. L.
LEWISTON—Coombs Harry S.
Gibbs & Pulsifer
LIMERICK—Boynton Chas. E. (& bldr)
PORTLAND—Higgins E. S., 95 Exchange
Miller & Mayo, 465 Congress
Pease Austin W., 465 Congress
Poor C. O., 537 Congress
Rhodes Herbert W., 574a Congress
Stevens John Calvin, 187 Middle
Stevens John Howard, 187 Middle
Thompson F. A., 537 Congress
STONINGTON—Seekins R.
Smith H. B.
WATERVILLE—Knapp Herbert E.
Patterson Frederick A.
WAYNE—Norton Chas. L.
YARMOUTHVILLE—Merrill, F. B.

## MARYLAND.

ANNAPOLIS—Armstrong Joseph M.
Cooper P. B.
Hunter R. Malcolm
BALTIMORE—Anderson Chas. M., 324 N Charles
Archer & Allen, Central Savings Bank bldg
Beall Fred. E., 1335 N Gilmore
Blanke E. G., 213 N Calvert
Blikel Henry F., 3810 Eastern av
Buckler Riggin, 11 E Pleasant
Callis & Callis, 2055 Kennedy av
Callis Geo. R., Jr., Melvin av
Carroll T. Geo., Franklin bldg
Crisp Herbert G., 2709 St. Paul
Edmunds Jas. R., Jr., 12 E Pleasant
Emmart Wm W, Union Trust bldg
Fenhagen George C., 11 East Pleasant
Forrest A. Lowther, 11 E Pleasant
Forsythe John R., 232 St. Paul
Fowler Lawrence H., 347 N Charles
Frank Benjamin, 328 N Charles
Freund John, 1307 St Paul
Friz Clyde N., Lexington bldg
Gieske Walter M., Gunther bldg
Gilmour G. R. Howard, 2415 Guilford av
Glidden Edw. H., American bldg
Harris Robt. L., Calvert bldg
Haskell & Barnes, 301 N Charles
Horn Carl A., 1035 Myrtle av
Jury Herbert G., Continental bldg
Kavanagh Hugh I., 913 N Calvert
Lacchi Primo 146 N Potomac
Laferty J. E., 11 E Pleasant
Lamdin Wm. D., 11 E Pleasant
Leach Alfred C., 323 N Charles
Levi Louis, Continental bldg
Long M. A., Co., Munsey bldg
Machen Thos. G., Fidelity bldg
Matt & Nolting, Keyser bldg
May Edward, Calvert bldg
May Howard, Calvert bldg
Mottu & White, 322 N Charles
Moxley J. E. Jr., 3411 Fairview av
Neiker J. Franklin, Professional bldg
Nussear J. S. Jr., 324 N Charles
Owens & Sisco, Continental bldg
Owings Thomas B., 347 N Charles
Palmer Edw. L., Jr., 513 N Charles
Parker, Thomas & Rice, Union Trust bldg
Pietsch. Theodore W., American bldg
Russell Stanislaus, 11 E Lexington av
Sill Buckler & Fenhagen, 11 E Pleasant
Sill Howard, 11 E Pleasant
Simonson Otto G., Md. Casualty Tower
Smith Layton F., 513 N Charles
Smith & May, Calvert bldg
Sparklin & Childs (Con. Engr.), Law bldg
Sperry Joseph E., Calvert bldg
Stack Jno. K., 308 E Lafayette av
Stone Wm. F. Jr., 14 N Eutaw
Taylor R. E. Lee, Union Trust bldg
Thomas Frederick, 135 N Renwood av
Tormey Francis E., 813 Newington av
Turnbull Bayard, 328 N Charles
White Henry S. T., 322 N Charles
White Wm. A., 1030 N Gilmor
Wight Oliver B., Munsey bldg
Willis J. Swing, 513 N Charles
Wilson J. Appleton, Law bldg
Worthington Geo., Keyser bldg
Wyatt & Nolting, Keyser bldg
CATONSVILLE—Ehlers Wm. H.
CUMBERLAND—Butler Wright
Sansbury Geo. F.
EASTON—Brinkloe Wm. Draper
FREDERICK—Grange Garrett S. de
Kepner & Smith
Smith Wilsom P
HAGERSTOWN—Klinkhart A. J.
Mack & Kountz
Yessler Harry E.
PIKESVILLE—Watts Albert S.
POCOMOKE CITY—Stevenson R. M.
ROCKVILLE—Groomes Thos. C.
ST. MICHAELS—Dodson H. C., Jr.
SALISBURY—Mitchell T. C.
Radcliffe & Gaskill
WESTMINSTER—Case Paul

## MASSACHUSETTS.

ATTLEBORO—Higgins Olstin M.
BEVERLY—Alden Henry B.
Clark Chester N.
Grush Charles E. (Consulting)
Harmon William H. & Son (& Builder)
Sponholtz Carl L.
Swan George
BOSTON (including Dorchester, Hyde Park & Roxbury)—Adden & Parker, 12 Bosworth
Adden & Parker, 12 Bosworth
Alden Henry B., 15 Exchange
Aldrich Wm. T., 8 Beacon
Allbright C., 6 Beacon
Allen Gordon, 248 Boylston
Allen & Collens, 40 Central
Andrews, Rantoul & Jones, 50 Congress
Appleton W. Cornell & Stearns, Frank A., 53 State
Arnold S. A., 50 Bromfield
Atherton Walter, 15 Exchange
Atwood Harrison H., (Dorchester)
Austin W. D., 50 Bromfield
Avery Philip S., 95 Milk
Bacon Lewis H., 120 Boylston
Bailey Elmer Smith, 33 Cornhill
Barnard John, 8 Beacon
Barnard John E., 72 Agawan rd
Bateman C. J., 15 Exchange
Beal J. William, 62 Summer
Bellows & Aldrich, 8 Beacon
Benton E. R., 67 Milk
Berry & Davidson, 29 Central
Besarick Wm. H., 64 Segamore
Bickford J. H. Co., 40 Central
Binney Arthur, 40 Kilby
Bigelow & Wadsworth, 3 Hamilton pl
Bixby Curtis W., 8 Beacon
Blackall, Clapp & Whittemore, 20 Beacon
Blaikie Edwin K., 67 Milk
Bourne Frank A., 70 Kilby
Bowditch Arthur H., 44 Bromfield
Boyd Frederick S., 579 Mass av
Brainerd, Leeds & Kellogg, 89 Franklin
Brazilian J. A., 458 B'way
Brigham, Coveney & Bisbee, 184 Boylston
Brown Frank C., Mt Vernon sq
Brown Willard D., 45 Milk
Burk & Bottomley, 34 School
Chandler H. S., 755 Boylston
Chapman E. R. B., 44 Bromfield
Chapman Wm., 15 Ashburton pl
Chapman & Frazer, 112 Water
Chase Wm. C., 8 Marlboro
Chickering Geo. W., 6 Beacon
Clark & Russell, 110 Tremont
Codman & Despradelle, 27 Kilby
Cogswell Chas. N., Old South bldg
Coit Robert, 85 Water
Colby Herbert W., 46 Cornhill
Collett Wm. C., 50 Bromfield
Coolidge & Carlson, 89 State
Coolidge & Shattuck, Ames bldg
Cooper Frank Irving Corp., 33 Cornhill
Cox Wm. H., 53 State
Cram & Ferguson, 15 Beacon
Curtis Herman G., 38 Kilby
Cutter Olin W., 683 Atlantic av
Dana Edw. Percy, 120 Tremont
Darrow Alfred L., 8 Beacon
Davidson Harry E., 46 Cornhill
Densmore & Le Clear (& Engineers), 88 Broad
Derby & Robinson, 20 Beacon
Desmond & Lord, 15 Beacon
Dixey W. U. & H. B. Smilie, 585 Boylston
Douglas Nathan, 307 Harvard
Driscoll Jos. J., 326 Chestnut Hill av
Dudley Wm. N., 8 Beacon
Dunham Chas. B., 6 Beacon
Dykeman & Murray, 15 Exchange
Eskrigge Frank T., 17 Milk
Fisher Richard A., 45 Bromfield
Foss & Pevear, 71 Brimmer
Fox John A., 120 Tremont
Fox & Gale, 3 Park
Froham & Robb, 29 Pemberton sq
Frost & Raymond, 1278 Mass av
Funk & Wilcox, 1148 Old So bldg
Gay & Proctor, 50 Bromfield
Godfrey Chester N., 15 Beacon
Gowing Frederick H., 18 Tremont
Graham Edward T. P., 20 Beacon
Grandgent & Elwell, 44 Bromfield
Graves Harold S., 120 Tremont
Gray John M., 112 Water
Gray Ralph W., 19 Congress
Greco Charles R., 8 Beacon
Greenleaf L. C., 101 Tremont
Hartwell, Richardson & Driver, 68 Devonshire
Haven & Hoyt, 220 Devonshire
Henderson Walter P., 755 Boylston
Higgins Olstin M. (Hyde Park)
Hitchings & Hitchings, 453 Washington
Hixon Thos., 3 Park
Howe Lois L. & Manning, 101 Tremont
Hughes Thos. R., 141 Milk
Hutchins & French, 8 Winter
Jackson Allen W., Equitable bldg
Jacob Geo. Nelson, 9 Hamilton pl
James Thos. M., 3 Park
Jellows T., Braintree
Kelley James T., 57 Mt. Vernon
Kelley Samuel Dudley, 46 Cornhill
Kellogg Harold Field, 93 Federal
Kendall Frank A. & Frederic M., 45 Bromfield
Kendall, Taylor & Co., 93 Federal
Kiesling Homer, 7 Water
Kilham & Hopkins, 9 Park
Lee James S., 6 Beacon
Leland Joseph D., 185 Devonshire
Lewis Edwin J., Jr., 9 Park
Little & Browne, 70 Kilby
Little & Russell, 45 Bromfield
Littlefield Walter T., 9 Hamilton pl
Lockwood Arthur G., Medford
Longfellow, A. W., Tremont bldg
Loring Chas. G., 7 Water
Lowell Guy, 12 West
McFarland C. T., 162 Newbury
McGirr Edw. B., 6 Beacon
McLaughlin Jas. E., 88 Tremont
McLean W. H., 110 Tremont
MacNaughton & Robinson, 101 Tremont
Maginnis & Walsh, 100 Boylston
Maher & Winchester, 8 Beacon
Mastrengelo M. J., 2 North sq
Mead Samuel W., Barristers Hall
Mears, Henry A., 120 Tremont
Minor Wesley L., 46 Cornhill
Monks & Johnson (& Engrs.), 99 Chauncy

Mowll & Rand, 50 Bromfield
Murray James, 101 Tremont
Nevin Chas. K. B., 6 Beacon
Newhall & Blevins, 9 Park
Newton Geo. F., 6 Beacon
Nichols Edward, 70 Kilby
Norcross F. A., 46 Cornhill
O'Connell & Shaw, 18 Bolyston
O'Hare Wm. P., 98 Clay
Page & Frothingham, 52 Chauncey
Parker, Thomas & Rice, 110 State
Peare & Quiner, 6 Beacon
Perry William G., 19 Congress
Phipps Sanford, 9 Park
Powell Francis G., 111 Columbia rd, (Dor)
Pratt & Witton, 44 Bromfield
Prescott Howard B. S., 12 Pearl
Proctor Benjamin Jr., 67 Milk
Purdon James, 8 Beacon
Putnam & Chandler, 18 Arlington
Putnam & Cox, 114 State
Raeder Henry, 53 State
Raeder James Ritchie, 53 State
Ramsay H. M., 50 Bromfield
Rantin Samuel J., 1117 Columbus av
Reed E. L., 20 Irwin av
Richardson, Barott & Richardson, 8 Beacon
Ritchie Jas H., 8 Beacon
Rowan James F., 7 Water
Russell H. B., 9 Park
Russell F. N., 42 Blvd Hill pkwy
Sargent T. M., 162 Tremont
Saxton & Howe, Tremont bldg
Schweinfurth J. A., 53 State
Sheehan T. Edw., 73 Tremont
Shepard Geo. F., 78 Devonshire
Sidebottom Wm., 101 Tremont
Smith F. Patterson, 67 Milk
Smith Jno. J., Old South bldg
Somes Dana, 119 Water
Somes & Parsons, 1 Beacon
Spofford John C., 36 Bromfield
Stebbins & Watkins, 164 Federal
Stevens Edw. F., 9 Park
Stratton E. B., Equitable bldg
Strickland, Blodget & Law, 26 Pemberton sq
Strout Geo. F., 621 Main
Sturgis R. Clipston, 120 Boylston
Sullivan Matthew, 100 Boylston
Sylvester Edmund Q., 8 Beacon
Taylor W. Hart, 50 Bromfield
Thayer O. A., 89 Franklin
Untersee F. Joseph, 585 Boylston
Vinal Arthur H., 15 Exchange
Walker Ambrose, 9 Cornhill
Walker C. Howard, 71 Kilby
Washburn G. Bertram, 26 Pemberton sq
Wead, Frederick W., 119 Water
Woodbury & Stuart, 581 Boylston
Wright Albert H., 27 Kilby
Wright Alonzo D., 40 State
Wright Jas. Hayden, 8 Beacon
Zottoli A. M. & Bros., 26 Conley

BROCKTON—Barlow W. F., Jr.
Falk Geo. L.
Jackson Willard F.
Olson Charles T.

BROOKLINE—Walsh Timothy, 135 St Paul

CAMBRIDGE—Bartlett C. H. 580 Mass av
Boyd Fredk. S., 579 Massachusetts av
Douglas Nathan, 307 Harvard
Frost Henry A., Brattle bldg
Humphreys John S., Esq., 24 Avon
Killam Chas. W. (Consulting), Harvard University
Moore George A., 44 Orchard
Whitehouse L. A., 63 Dana

CANTON—Capen G. W.

CENTERVILLE—Bearse Chester

CHELSEA—Brazillian James A.
Eisenberg S.
Noyes Frank A.
Taylor William Hart

CHESTNUT HILL—Putnam Wm. E., Jr., Spooner bldg

CHICOPEE—Dion Geo. P.

CHICOPEE FALLS—Fugere Geo. H., 67 Main

CLINTON—Thissell Horace A.

COHASSET—See Boston

DALTON—Tower D. H. (& Civil Engr.)

DANVERS—Wright G. H.

DEDHAM—Bailey, R. M.

DORCHESTER—Besarick Wm H., 64 Sagamore

EAST HAMPTON—Tremblay Samuel J., 21 High

EVERETT—Helrich Otto A.
Loring Alden C.
Wood Geo. H.

FAIRHAVEN—Bisbee Henry V.

FALL RIVER—Ashton Wm. S., 88 4th
Corbett Edw. M., 70 Bedford
Darling Joseph M., Bennett bldg
Destremps Louis G. & Sons, 58 Bedford
Higgins Joseph I., Borden blk
Marvell E. I., 57 N Main

FALMOUTH—Tobey W. A.

FISKDALE—Harvey Wm. H.

FITCHBURG—Francis Frederick L.
Francis Henry M. & Sons

FRAMINGHAM—Capp Chalmers S.
Shepherd Frank H.

GARDNER—Bodwell Cyrus F.

GLOUCESTER—Hanson H. M.
Phillips Ezra L.
Spooner Herman W.

GREENFIELD—Drew M. R.

GROTON—Park Lawrence

HAVERHILL—Perkins J. A.

HINGHAM—Brown Samuel J., Main, cor. Gardner

HOLYOKE—Alderman Geo. P. B. & Co., 316 High
Beauchemin Oscar, City Nat'l Bank bldg
Chase Wm. R. S., Holyoke Nat'l Bank bldg
Gendreau Hubert L., 830 Chicopee
Howes W. J., 243 High
Reid Wm. B., 280 High

HOPKINTON—Phipps Sanford

HYDE PARK—See Boston

IPSWICH—Pickard H. A.

LAKEVILLE—Anderson W. L.

LAWRENCE—Adams Geo. G., 288 Essex
Allen J. E., 283 Essex
Ashton & Huntress, 477 Essex
Regan Wm. P., 296 Essex
Smith Horace H. (mill), Bay State bldg
Wilde Samuel H., Bay State bldg

LEICESTER—Doherty Peter J.

LEOMINSTER—Davis Fred'k L.
Page Leroy J. (& Mill Engr.)
Stacy Harry H.

LITTLETON—Woodbury D. H.

LOWELL—Clark Edwin R.
Davis Millard F., Hildreth bldg
Gardner Everett M., 198 Holyroad av
Gilbert Perley F., 53 Central
Graves Harry Prescott, 40 Middlesex
Roach Joseph S., 40 Middlesex
Rourke Henry L., Hildreth bldg

LYNN—Assies John, Wilson terrace opp 199 Lewis
Betton Chas. L., 31 Exchange
Burgess Chas. V., Security Tr. bldg
Davidson Benjamin H., 7 Bloomfield
Earp Edwin, 333 Union
Sanborn Dana A., 38 Exchange
Somes & Parsons, 145 Munroe
Stevenson Robert L., 333 Union
Varney, Penn, 25 Exchange

MALDEN—Wilson Dexter E.

MANSFIELD—Foster Geo. L.

MARLBORO—Simonds Warren J.
Tucker & Brooks

MATTAPAN—Russell F. N., 42 Blue Hills Parkway

MELROSE—Dow Lewis A.
Jordan Edward E.

MIDDLEBORO—Black J. Fred

MILFORD—Collins Walter L.
Cook Rob't Allen

MILLBURY—Phillips Henry A., Elm

MILTON—Babcock Alton
Tilden George T., 55 White

NANTUCKET—Codd Eliza

NATICK—Fleming Willis N.

NEEDHAM—Pinkham Everard

NEW BEDFORD—Brown & Poole, Chapman bldg
Hammond C. & Son, 179 N Water
McIntyre Jas., Clifford bldg
Smith & Howland, Union & Pleasant
Williams John, 97 Merrimack

NEWBURYPORT—Knight Carl M.

NEWTON HIGHLANDS—Fisher Gurdon R.

NEWTONVILLE—Paine Walter J.

NORTH ADAMS—Barlow Edwin T.
Bond Newton C.

NORTHAMPTON—Pratt Wm. F.
Taylor James K.

NORTH CAMBRIDGE—Killam Charles W. 51 Avon Hill

PEABODY—Earp Edwin

PITTSFIELD—Harding & Seaver, 7 North
Haynes Geo. E., Miller bldg.
McLaughlin Peter F., 24 North
Vance Jos. M., 24 North

PLYMOUTH—Goddard Fred A.

QUINCY—Lofgren Wm. R. (& Builder)
Pratt J. Winthrop (& Builder)

ROXBURY—(See Boston)

SALEM—Balcomb Edwin B., 228 Sussex
Fanning Geo. H., 221 Essex
Rantoul Wm. G., 19 Chestnut

SHARON—Ely Chas H.

SHERBORN—James Thos. M.

SOUTH FRAMINGHAM—Barnes Chas. E.

SPRINGFIELD—Bliss & Lavalle (& Engrs.), 274 Main
Cobb Albert W., 168 Bridge
Dibble Wallace E., 317 Main
Donahue J. W., 476 Main
Elvin Frank F., 182 State
Foster John W., 22 Worthington
Gardner E. C. & G. C., 33 Lyman
Green Sam'l M. Co., Inc. (& Engrs.),
Huestis & Huestis, 145 Chestnut
Kirkham & Parlett, 25 Harrison av
Long Jas. D. (& Mech. Engr.), 307 Main
McClintock & Craig (& Engrs.), 33 Lyman
McCracken E. Leo., 417 Main
Seabury B. Hammett, Besse blk
Sprague H. L. (& Engineer), 310 Main
Taylor G. Wood, 425 Main
Wozny Bruno, 381 Main

TAUNTON—Park Walter L.
Smith Gustavus L.

UXBRIDGE—Aldrich Leander S.

WALTHAM—Haines William, 814 Main
Hartwell Henry W., 147 Summer
Monaghan James F., 208 Newton
Ryan Miss Ida Annah & Luscomb F. H., Lawrence bldg
Strout Geo. E., 9 Dexter

VINEYARD HAVEN—Hinckley H. M.

WATERTOWN—Brigham Charles
Gray Arthur F.
Haynes A. F.

WESTFIELD—Harding Malcolm B.
Karr Wallace V.

WEST FITCHBURG—Fourner Auguste, 4 Ashburnham

WILLIAMSTOWN—Neal E. H.

WILLIMANSETT—Gendreau H. L.

WINTHROP—Morse Edward P.
Tyler George H.

WORCESTER—Arlington Claude L., 507 Main
Briggs L. W., 314 Main
Chapin Edwin T., State Mutual bldg
Clemence Geo. H., 405 Main
Coulson Fred'k, 405 Main
Cutting, Carleton & Cutting, 44 Front
Demoorjian H. S., 340 Main
Fisher Clellan Waldo, 58 Front
Fitzgerald Edward P., 340 Main
Frost & Chamberlain, 390 Main
Fuller & Delano Co., 44 Front
Garland R. J., 340 Main
Hoyle Chas. R., Slater bldg
Hulslander John D., Park bldg
Jacques Urgel, 311 Main
Kingston John P. & Son, 518 Main
Lincoln Chas H., 6 Park av
Nault Onesime E., 8 Wall
Newton B. S., 1125 Pleasant
Rowe Thomas F., 518 Main
Topanelian Edw., 340 Main
Tribe Geo. T., 306 Main

## MICHIGAN.

ADRIAN—Fretwell John

ALMA—Wood E. M.

ALPENA—Ouderkirk Thomas A.

ANN ARBOR—Boynton Louis H.
Koch Rupert W.
Lorch Emil
Pipp Herman W.
Scott Geo.
Stanton Samuel M.
Zells Louis F.

BATTLE CREEK—Arnold E. W.
Chanel A. B.
Doerr Burt O.
Puffer Harry

BAY CITY—Clark D. P.
Floeter P. C.
Pratt, Bickel & Campbell

BENTON HARBOR—Bennett & Lindenfeld

BIG RAPIDS—White A. J.

BLISSFIELD—Dickinson D. E.

DETROIT—Abraham S. F. & Barton D. Wood, Kresge bldg
Angell Harry S., Free Press bldg
Attwood & Trysell, Temple bldg
Bailey R. A., 47 Hendricks
Balch W. Allen, 870 Woodward
Barnard W. A., Dime Bank bldg
Barnes Chas. F. J., 181 Griswold
Bauer Leo M., 43 John R.
Baxter, Odell & Halpin, Hammond bldg
Beckett Harold C., 406 Elks Temp.

MICHIGAN—Detroit—continued
Brandt Christian W., Kresge bldg
Brown & Preston, Empire bldg
Building Ger. Bureau, 40 Brush
Burrowes M. R., 435 Woodward
Butterfield Wells D., David Whitney bldg
Buysse Eugene & E. Hartwick 2958 W Grand blvd
Case J W., David Whitney bldg
Club Andrew, Jr., Goebel bldg
Coquard Leon, 169 First
Crane C. Howard, Huron bldg
Darling H. J., Empire bldg
Dederichs Peter, Chamber of Com bldg
Donaldson & Meier, Penobscot bldg
Dunlap E. R., Hammond bldg
Essig W. W. & Co., Griswold Hotel
Evans Fred A., Book bldg
Finkel Maurice H., Cham. of Com. bldg
Finn Robert, David Whitney bldg
Glaver Dinkelberg & Ellington, Book bldg
Gies Rowland C., David Whitney bldg
Gottesleben Oscar C., Dime Bank bldg
Gould A. H. & Son, Empire bldg
Graves Geo. Wm., Rowland bldg
Gurzdowski Jos. J., 901 Russell
Haas Geo. J., Kresge bldg
Hallett H. H., 982 Woodward av
Harley Alvin E., 435 Woodward
Herman A. F., Owen bldg
Hill Frank E., Empire bldg
Hulburt Geo. D., Broadway Market bldg
Hunter W. E. N., 78 Wash blvd
Kahn Albert, Marquette bldg
Kamper Louis, Book bldg
Kastler J. G. & Co., Ch. of Com. bldg
Kasurin Bros., Empire bldg
Kavioff Otto H., Empire bldg
Koch Rupert W., Book bldg
Kohner Henry, Dime Sav. Bk. bldg
Kotting Charles, Dime Sav. Bk. bldg
Kroske Paul C., David Whitney bldg
Lane Horace H., Dime Sav. Bk. bldg
Lewis I. M., Congress bldg
Lund Claus D., New Telegraph bldg
McDonald Albert C., 80 Griswold
McDonnell J. Philip, Dime Bank bldg
Macfarlane, Maul & Lentz, David Whitney bldg
Malcolmson & Higginbotham, 404 Moffatt
Mann & McNeille, Book bldg
Mason Geo. D., 80 Griswold
Mildner & Eisen, Hammond bldg
Millar H. T., Lightner bldg.
Miller John Lawson, Goebel bldg
Mills Jos. E. & Son, Kresge bldg
Muehlman & Farrar, Dime Bk. bldg
Mueller Gustave A., Breitmeyer bldg
Nettleton & Weaver, Penobscot bldg
O'Dell H. A., Hammond bldg
Palmer Clarence William, Moffat bldg
Pollmar & Ropes, 45 State
Pottle Geo. V., David Whitney bldg
Raseman R. E., Penobscot bldg
Reed-Hill Wm., Dime Bank bldg
Remey S. E., Whitney bldg.
Rogers, Bonnah & Chaffee, 528 Farwell
Rossello P. R., Congress bldg
Scisorek Louis, Farwell bldg
Smith, Hinchman & Grylls, Wash'n Arcade
Spier & Gehrke, Chamber of Com. bldg
Stahl & Kinsey, McKerchey bldg
Stratton & Snyder, Union Trust bldg
Swirsky F. & Co., Equity bldg
Van Leyen & Schilling, Union Trust bldg
Varney & Varney, 70 Wash bldg
Walsh & Odell, Cham. of Com. bldg
Wardrop Norval, 270 Woodward
Weinberg J. I., Congress bldg
Wells Dalton R., 435 Woodward
Weston & Smith, 73 State
Wetzel B. C. & Co., Dime Bank bldg
Wiedmaier F. W., Campau bldg
Williams Bros., Kresge bldg
Wilson Arthur L., 2905 Woodward
Wilson & Cato, New Telephone bldg
FLINT—Bachmann Geo. J.
Butler E. N.
Finster, G. C.
Macomber Grant J.
Swift Geo. H.
Thomas L. W.
GRAND RAPIDS—Allen Frank P. & Son, Houseman bldg
Appleyard Geo. T., Widdicomb bldg
Benjamin T. & Sons, Wenham bldg
Creager H. A., 1834 Jefferson av
Daverman J. & G., Ass'n of Commerce bldg
De Camp Lee, Empress Theatre bldg
Essebagger C. M., Empress Thea. bldg
Lindhout Pierre, Gr. Nat'l City Bk. bldg
Osgood Sidney J., New Herald bldg
Robinson & Campau, Houseman blk
Stone G. L., Widdicomb bldg
Turner H. H., Board of Education
Vierheilig C. G., Houseman blk
Weemhoff Harvey H., Murray bldg
Williamson Crow & Proctor, Gilbert blk
HARBOR SPRINGS—Mead Earl H.
HOLLAND—De Weerd Geo.
Price James
HOUGHTON—Maas Chas. W.
IRONWOOD—Anderson C. J.
JACKSON—Allen Claire
Field L. H., Jr.
KALAMAZOO—Albertsoan Dan J. (Mill)
Batterson Ernest S.
Fairchild Chas. A.
LeRoy Rockwell A.
Vanderhorst-Billingham Co.
Van Volkenburg Forest D.
Worden G. G.
LANSING—Black Lee
Bowd E. A.
Butterworth S. D.
Churchill Judson N.
Moon D. B.
Phillips Eugene B.
White Thos. E.
MANISTEE—Peterson Gust (& Builder)
MARQUETTE—Charlton D. Fred.
MENOMINEE—Herbert Derrick
MONROE—Dunbar R. M.
MOUNT CLEMENS—Roy Melvin S.
Van Damme T.
MUSKEGON—Appleyard George T.
Van Der West & Pease
PAW PAW—Young C. C.
PONTIAC—Fisher Bros.
PORT HURON—Erb Isaac
Harvey Geo. L.
Kaumier John C.
SAGINAW—Cooper & Beckbissinger
Cowles & Mutscheller
Hollister F. W.
Mueller Henry B.
SAULT SAINT MARIE—Demar Edword
TRAVERSE CITY—Moore F. E.
Petersen Jens C.

## MINNESOTA.

ALBERT LEA—Sorenson N. C.
AUSTIN—Hayes Paul J.
BRAINARD—White Bros.
BEMIDJI—Johnson Thos.
CROOKSTON—Keck Bert D.
DULUTH—Allred Wm. P., Jr., Fergusson bldg
Bray W. T., Fidelity bldg
Broomhall E. F., Alworth bldg
Croft & Boerner, Lonsdale bldg
Fitzgerald F. H., Alworth bldg
Germain & Jensen, Exchange bldg
Gilliuson & Carson, Glencoe bldg
Hanford Arthur, Sellwood bldg
Holstead & Sullivan, Palladio bldg
Kelley & Shefchik, Alworth bldg
Lignell A. Werner, Alworth bldg
Nystrom & Olson, Palladio bldg
Puck Anthony, Torrey bldg
Studishar Frank, Glencoe bldg
Terryberry Austin, Palladio bldg
Wangenstein J. J., Providence bldg
Wirth Carl, 13 W Superior
HIBBING—Puck, H. E.
LUVERNE—Green W. E. E.
MANKATO—Gerlach H. C.
Pass Geo. & Son
Schippel Albert
MINNEAPOLIS—Bennett D. C., McKnight bldg.
Bertrand & Chamberlin, N. W. Bk. bldg.
Brown Clarence J., Security Bk. bldg
Chapman George A., Auditorium bldg
Dorr & Dorr, Lumber Exchange
Edwins & Edwins, N. W. bldg
Fallows E. T., New York Life bldg
Gage Carl A., 1624 Harmon pl
Huey Geo O., N. Y. Life bldg
Hultgren W. P., (& Builder), 1314 Marquette av
Kees & Colburn, Plymouth bldg.
Keith, Walter J., 1722 Hennepin av
Kennedy Ernest, Essex bldg
Kenyon Wm. M., & Maine, Maurice F., Essex bldg
McElroy Clifford T., Esq., Palace bldg
Macomber Wm. K., McKnight bldg
Magney G. Renatus, Bldrs Exch
Mann Fred'k M., Metropolitan Bank bldg
Parsons C. Howard, Bldrs Exch
Sedgwick C. S., Lumber Exchange
Snyder Kirby T., Plymouth bldg
Stebbins & Haxby, Auditorium bldg
Stone Jacob, Jr., Sec. Bank bldg
Sund & Dunham, Essex bldg
Tyrie William W., Auditorium bldg
Van Dyck, A. R., 1st Nat Soo Line bldg
Westphal O. K., Kasota
Whitney Wm. Channing, Builders Exch
MONTEVIDEO—Granum Martin
MOOREHEAD—Friedlund Bros.
NEW RICHLAND—McGarvey G. A.
NEW ULM—Heers C. A.
NORTHFIELD—Vail Alva E. V.
ROCHESTER—Hoffman Geo. J. & Co.
ST. CLOUD—Carpenter & Co.
Mann & Pinault
ST. PAUL—Alban W. L., Endicott bldg
Alden & Harris, Exchange Bank bldg
Bartlett Sam'l, Endicott bldg
Bassindale Lambert, Capital Bank bldg
Beuchner & Orth, Shubert bldg
Blewett Geo. A., Endicott bldg
Day Beaver Wade, 1410 Pioneer bldg
Devor A. S., Endicott bldg
Dolan F. M. & Sons, Globe bldg
Ellerbe F. H., Endicott bldg
Firminger H., Oppenheim bldg
Fleischbein A. C., Endicott bldg
Frost Chas. S., Capital Bank bldg
Harris & Alden, Exchange Bank bldg
Holyoke, Jemne & Davis, Endicott bldg
Holyoke Thos. G., Endicott bldg
Jacobson Silas, Capital Bank bldg
Jemne Magnus, Endicott bldg
Johnston Clarence H., Capital Bk. bldg
Linhoff Peter J., Guar. Life bldg
Lockhart Geo. L., Endicott bldg
Lundie E. H., Endicott bldg
Mohn N. Edw., Endicott bldg
Moorman A. & Co., 501 Minn
Stem A. H., Endicott bldg
Stevens J. Walter, Exchange Bk bldg
Sullwold H. A., Endicott bldg
Slifer & Abrahamson, Endicott bldg
Taylor Bernard J., 1958 Carroll
Terry Harry W., Endicott bldg
Toltz K. & Day, Pioneer bldg
Wheeler Alfred H., Globe bldg
Wheeler J. H., Exchange Bank bldg
Wright M. A., Pittsburgh bldg
THIEF RIVER FALLS—Lutz J. C.
Spalding & Stewart
VIRGINIA—Okerstrom J. E.
Shand Charles K.
WILLMAR—Grover C. L.
WINONA—Myhre A. E.
Patterson C. A.

## MISSISSIPPI.

BILOXI—Roof H. H.
BROOKHAVEN—McCormick Eugene
CLARKSDALE—Alsop M. M.
CLEVELAND—Suttle C. E.
COLUMBUS—McClanahan & Terry (& Builders)
GREENVILLE—Parker W. H.
GREENWOOD—McGeoy Frank R.
JACKSON—Austin H. N.
Hull W. S.
Overstreet N. W.
Spencer R. B.
Willis J. T.
MAGNOLIA—Kramer X. A.
MERIDIAN—Krouse P. J.
Stuart Burt
VICKSBURG—Carlisle Louis G.
Donovan Michael J.
Stanton Wm. A.

## MISSOURI.

BOONVILLE—Ravenel Samuel W.
CAPE GIRARDEAU—Parlow W. E.
CARTHAGE—Ehlers A.
Prather J. A.
Simpson Percy K.
COLUMBIA—Pierce Harry L.
DE SOTO—Hemme Charles
FULTON—Bell M. F.
HANNIBAL—Martin Malcolm S.
Schmitt Ernest
HOPKINS—Akin John A.
INDEPENDENCE—McBride R. L.
JEFFERSON CITY—Miller & Chaffee
JOPLIN—Michaelis A. C.
Sudhoelter C. H. Co.
KANSAS CITY—Acme Eng. Co., 4430 Park
Anthony P. H., Waldheim bldg
Archer A. W., New Eng. bldg
Braecklein J. G., Victor bldg
Buckley A. H., Gloyd bldg
Cooley C. D. Co., Waldheim bldg
Curtiss Louis, 1118 McGee

Felt J. H. & Co., Grand av Temple
Harold L. Heakin, 4801 Broadway
Hoit Henry F., Reliance bldg
McKecknie & Trash, Gloyd bldg
Pampel H. D., Finance bldg
Root & Siemers, Scarritt bldg
Sanneman K. H., Reserve Bk. bldg
Shepard, Farrar & Wiser, R. A. Long bldg
Smith, Rea & Lovitt, Finance bldg
Van Brunt & Hartz, Reliance bldg
Wight & Wight, 1st Natl. Bk. bldg
Wilkinson & Crans, Reliance bldg
Ye Planry, Inc., Railway Exch. bldg
KIRKSVILLE—Dunbar Irvin
Dunbar J.
MEXICO—Elliott Ben. C.
MILAN—Schultz S. E.
MOBERLY—Abt Ludwig
NEOSHO—Garver Wm. L.
POPLAR BLUFF—Phillips E. B.
Walker L. B.
ST. JOSEPH—Boschen W., Tootle-Lacy Natl. Bk bldg
Eckel & Aldrich, Corby-Forsee bldg
Heim R. F., Bartlett bldg
Meier Rudolph, Lincoln bldg
ST. LOUIS—Allen Sam'l H., Security bldg
Baker Alfred M., 8520 Concord Pl
Barnett, Haynes & Barnett, Century bldg
Barnett T. P. Co., Arcade bldg
Black A. W. & Son, Security bldg
Bonsack Frederick C., Boatmen's Bk. bldg
Bradshaw Preston J., Inter'l Life bldg
Brueggeman G. F. A., 3d Nat'l Bank bldg
Cann & Corrubia, Central Nat. Bk bldg
Clymer Harry G., Wainwright bldg
Davis Neal C., Central Natl Bk bldg
Deitering Chas. H. Central Nat'l B'k bldg
Dunham John M., 20th & Clark avs
Eames & Young, Wright bldg
Enders O., Wright bldg
Ewald & Allen, Security bldg
Fullgraf C. W., Chemical bldg, County Bank
Grote Henry C. (& Builder), University City
Groves Albert B., 314 N 4th
Gruen Wm. H., 1520 Chestnut
Haeussler A. F., 3440 Park av
Helfensteller, Hirsch & Watson, Chemical bldg
Hellmuth & Hellmuth, De Menil bldg
Herthel John W., 119 N. 7th
Hess Henry P., 4811 Cote Brilliante
Hirshstein J. M., 5777 De Giverville
Hohenschild H. H., Odd Fellows
Howard Norman R., Century bldg
Imbs Thomas F., 2442 N Grand av
Ittner Wm. B., Bd. of Education bldg
Jamieson Jas P., Security bldg
Janssen Ernest C., Chemical bldg
Kennerly & Stiegmeyer, Benoist bldg
Kessler Geo. E. & Co., Security bldg
Klipstein & Rathmann, Chemical bldg
Klutho Victor J., Syndicate Tr. bldg
Knell Albert, Natural bldg
Leigh J. W., Odd Fellows bldg
Levy Wm., Arcade bldg
Link Theodore C., Carlton bldg
Lynch J. Hal & Son, Dolph bldg
McArdle Montrose P., Chemical bldg
McMahon Wm. P., Title Guaranty bldg
Maritz & Henderson, Chemical bldg
Mauran, Russell & Crowell, Chemical bldg
May Chas. F., 1017 Olive
Meyer A., Central Nat. Bank bldg
Mullen D. H. Jr., St. Louis County Bk. bldg
Nolte & Nauman, Fullerton bldg
Paulus John D., 4729 Northland av
Pendleton Louis B., Cen. Nat. Bank bldg
Powers Herbert W., 211 N 7th
Preisler Ernst, Title Guaranty bldg
Price Roy S. C., Arcade bldg
Ridington A. Blair, 5922 Cates av
Roach Harry F., Syndicate Tr. bldg
Robinson John Beverly, Wash. Univ. Univ.
Saum, Architect, 625 Chestnut
Schaumberg Henry Jr., 3631 Conn.
Senne & Albert, Central Natl. Bk. bldg
Stauder A. F., Wainwright bldg
Stephen David Jr., 4944 Park View pl
Stephens & Pearson, Cent. Nat. Bank bldg
Study & Farrar, Arcade bldg
Study Guy, Wright bldg
Trueblood Wilbur T., Carleton bldg
Wedemeyer & Nelson, Wainwright bldg
Widmann & Walsh, Wainwright bldg
Wilhelmi Otto J., 406 Market
Wray Chas. H., Rialto bldg
Wuest Gustav P., Wainwright bldg
Yoder C. B. & Co., Ry. Exch. bldg
Yoder Eng. Co., Equitable bldg
SEDALIA—Bast T. W.
SPRINGFIELD—Brettner O. L., Holland bldg
Foley W. E., Baker blk
Heckenlively J. L., Landers bldg
Reed Geo. F., Holland bldg
Torbitt A. N., Landers bldg
WEBSTER GROVES—Opperman C. B.

## MONTANA.

ANACONDA—Fisher Homer
Hyslop W. W.
Smith Joseph
BILLINGS—Dedrick & Piner
McAlister G.
McIver, Cohagen & Marshall
Oehme C. C.
BOZEMAN—Willson Fred. F. & Co.
BUTTE—Arnold & Van House, Daly Bank bldg
De Snell G. E., 3 N Montana
Hamill-Floyd Co., Hirbour bldg
Howell H. W., Lewisohn bldg
Kenna Hermann, 19 E. Platt
Linkard Harry, Daly Bank bldg (branches at Helena, Billings, and Lewiston, Mont.)
Teague J. C., Daly Bank bldg
DILLON—Roode S. M.
GREAT FALLS—Johnson Henry Hall
Levesque J. T. & Co.
McIver, Cohagen & Marshall
Mowery W. R.
Shanley G. H.
HARDIN—Pruett Chas.
HELENA—Carsley Geo. H.
Haire C. S. & J. G. Link
Kirk C. H.
McIntosh Jas. A.
Tufford Allan
LEWISTON—Link & Haire
Wasmansdorff & Eastman
LIVINGSTON—Hornbeck F. S.
Turk C. Hubert
MILES CITY—Rivenes Brynjulf
MISSOULA—Bakke O.
Kennedy & Forbis
Morin Eugene
THREE FORKS—Dwyer & Waldorf

## NEBRASKA.

BEATRICE—Grant R. W.
BENKELMAN—Christensen J. H.
BLAIR—Vaughan Louis
COLUMBUS—Grabe & Helleberg
Wurdeman Chas.
FREMONT—Clark Tom
Dyer A. H. Co.
West J. A.
GENOA—Redbird Simon
GERING—Pedersen J. C.
GORDON—Sailor C. H.
GRAND ISLAND—Crocker Frank
Good Charles
Kirschke Oscar R.
HASTINGS—Bradley Robt. E.
Way C. W. Co.
LINCOLN—Berlinghof George, S. M. L. bldg
Cordner J. G., Bankers' Life bldg
Davis Ellery, S. M. L. bldg.
Fiske & Meginnis, Bankers' Life bldg
Larsen Clarence H., Terminal bldg
Miller J. B.
Smith, John R., Nebraska Street bldg
Tyler-Brandt & Tyler, Richards bldg
Woods A. W. (Church Work), Ganter bldg
NORFOLK—Stitt James C.
Townsend G. E.
OMAHA—Bollard & Webster, McCague bldg
Brigham N. R., Keeline bldg
Craddock James H. & Co., 315 S 15th
Dodds Everett S. Co., Brandeis Theatre bldg
Ellert & Lahr, World-Herald bldg
Gernandt W. F., Keeline bldg
Fisher Geo. L., City National Bank bldg
Foster Sydney H., Wilkinson bldg
Guth J. P., Paxton bldg
Henninger F. A., Security bldg
Kimball Thos. R., World-Herald bldg
Krelle F. W., Omaha Nat'l Bank bldg
Kvenild B., Brandeis Theatre bldg
Latenser Jno. & Sons, Peters Trust bldg
Lawrie Harry, Paxton blk.
McArthur J. G., Keeline bldg
Nachtigall J. M., Paxton blk.
Nye Chas. M., Peters Trust bldg
Porter & Schrieber, Brandeis Theatre bldg
Printz Geo. B., Omaha Nat'l Bank bldg
Raapke H. A., City Nat'l Bank bldg
Steinbaugh C. W., Brandeis Theatre bldg
Stockham W. E., Railway Exchange
Stott Frederick S., John L. Kennedy bldg
Weigand Oscar A., Peters Trust bldg
SCOTTSBLUFF—Hehnke O. J.

## NEVADA.

RENO—Curtis M. J.
De Longchamps F. J.
Ferris Geo. A.
Holesworth Geo. E.
Lewis & Ellery
Schadler F. M.
VIRGINIA CITY—Dickson R.

## NEW HAMPSHIRE.

BERLIN—Bates H. C.
CAMPTON—James D. B.
CLAREMONT—Beckwith H. R.
Martin Clarence L.
CONCORD—Forrest C. S.
Griffin Geo. W.
DOVER—Brown George
Ramsdell A. T.
Richardson J. Edward
KEENE—Mason Harold E.
Spraulding M. O.
LISBON—Morgan S. D.
MANCHESTER—Baker J. Edw.
Butterfield W. M. Co.
Martel Louis E., 102 Bridge
Provost Wilfred E.
Whitcher C. R.
MILTON—Jones I. W.
MONADNOCK—Mauran John Lawrence
NASHUA—Holt Duane F. & Son
PORTSMOUTH—Paul Henry S.
Trueman S. S.

## NEW JERSEY.

ASBURY PARK—Arend Ernest A.
Asay Wilbur
Cook Clinton B.
Cottrell W. C. & A. F.
Dodge Paul L.
Smith Clarence W.
Towner K. MacM.
ATLANTIC CITY—Berry Frank A
Dobbins Seward G.
Hewitt Wm. S.
Ireland Bertram
Mathis J. Vaughan
Mergenthaler Richard H.
Ogden Jos. R.
Riebenack William B.
Smith Vivian B.
Stout Howard A.
Vaughn S. Hudson
BAYONNE—Bagnell Jas. F., 93 W. 8th
Goldberg Carl I., 437 Broadway
Schmidt John J., 352 Avenue C
Schule A., 360 Avenue C
BELMAR—Allen Wilson E.
BERLIN—Adams Geo. H.
BLOOMFIELD—Bancroft Francis W.
Eilenberger C. W.
Pierson Fred L.
BOUND BROOK—Bent F. H.
BURLINGTON—Allinson Geo. A.
Brown Hy. A.
CALDWELL—Bartlett Herbert F. J.
Lockward Lynn G.
CAMDEN—Custer & Gill
Moffett & Stewart
Stephen Thos.
CLIFTON—Strong Lambert, Main & Clifton avs.
COLLINGSWOOD—Rice Harry H.
CRANFORD—Bell Clyde Chas.
DOVER—Vreeland J. J., Jr.
EAST ORANGE—Baldwin Chas. H., 564 Main
Bower W. Frank, 44 Harrison
Eagles Israel C., 153 N 16th
Garrabrandt Wm. E., 343 Main
Shepard Benj. H., 564 Main
EDGEWATER—Hayek Andrew A.
ELIZABETH—Beatty J. B., 15 N Reid
Clum Wm. E., 120 Broad

NEW JERSEY—Elizabeth—continued
Edwards Robert C., 579 Westfield av
Fume Wm. L., 432 Marshall
Hoover W. H., Jr., 825 Jersey av
Keirwig L. J., 400 Linden av
Kimball Harry Smith, 113 Orchard
MacQueen J., 560 Walnut
Oaldey & Son, 1259 Clinton pl
Poggi C. Godfrey, 2 Julian pl
Quien Louis, Jr., 229 Broad
Ring C. G., 280 W Broad
ENGLEWOOD—Ferry John J.
GARFIELD—Gerritsen Henry
Pirrone Frank
Vegliante Anton L.
GLENRIDGE—Staab Wm. F.
GUTTENBERG—Weber Jos.
GRANTWOOD—Drew George S., 42 Warren av
HACKENSACK—Bogert C. V. R., Esq., 167 Main
Collins Geo. (& Builder), 1st & Berry
Eurich Frank. Jr., 173 Main
HARRISON—Baker Jos. W., 111 N 4th
Kennedy Joseph, 6 N. 4th
HASBROUCK HEIGHTS—Morison Augustus B.
HOBOKEN—Beyer Max J., 79 River
Brokhaus Geo. C., 402 Washington
Fall Chas., 1400 Washington
Meystre Fredc. J., 84 Washington
Stasse John, 533 Garden
IRVINGTON—Allen Jos. B.
Hopper Daniel A.
Lemmer Fredk.
Sonnenberg Jos.
JERSEY CITY—Davis Abraham, 13 Newark av
Fienen L., Jr., 3697 Boulevard
Flagg Geo. A., 665 Newark av
Long C. Frederick, 1 Montgomery
Neumann William, 314 Palisade av
Patterson Edward M., 1 Montgomery
Quaife Ernest E., 64 Harrison av
Resch Jno. A., 170 Lexington av
Roberts Hugh, 1 Exchange pl
Rowland John T. Jr., 100 Sip av
Sailer Rudolph W., 76 Montgomery
Tilton Wm. A., 76 Montgomery
Von Arx Geo. W., 75 Montgomery
Ziegler Christian H., 75 Montgomery
KEYPORT—Young Henry A.
LAKEWOOD—Thomas John B.
LITTLE FALLS—Chubb Andrew, Jr.
LONG BRANCH—Cubberly Leon
Wilson Clarence D.
MAHWAH—Bennett Edwin T.
MONTCLAIR—Fisher H. Messinger, 483 Bloomfield av
Myers Christopher, 460 Bloomfield av
Van Antwerp Dudley S., 44 Church
Yost Henry L., 467 Bloomfield av
MOORESTOWN—Le Coney Wm. G.
MORRISTOWN—Behr Frederick H.
Mills Geo. A.
Pierson Arthur S.
Vandoren Wm. C.
Weir Collins B.
MURRAY HILL—James Marshall T.
NEWARK—Acocella J. B., 9 Clinton
Apgar John A., 246 N 7th
Arenander Carl E., 587 Summer av
Baldwin Chas. P., 45 Clinton
Bartlett W. Orrin, 738 Broad
Bessman Samuel P., 20 Clinton
Betells James O., 665 Broad
Bottelli Romolo, 207 Market
Capen John F., 207 Market
Cella John B., 185 Market
Cohen Simon, 163 Springfield av
Conklin & Convery, 28 Central av
Connelly Arthur, 46 Breitnall pl
Convery N. J., 22 Central av
Del Guercio A., 800 Broad
Eisenbeigler Wm., 661 Springfield av
Ely J. H. & W. C., Fireman bldg
Erler Richard W., 45 Clinton
Fitzsimons Wm. J., 207 Market
Fougner Ernest H., 800 Broad
Gonnelli A., 74 Cutler
Grad Frank, 245 Springfield av
Grant Edw. E., 397 Washington av
Green Jordan, 27 Clinton
Guilbert & Betelle, 665 Broad
Harris Nathan, 21 S Orange av
Hauser Edgar F., 9 Clinton
Higby Gilbert C., 207 Market
Hooper & Co., 118 Market
Jones Geo. E., 9 Clinton
Jones W. Davenport, 31 Clinton
Kern F. C., 14 Gladstone av
King Henry J. & John V., 9 Clinton
Klemm Robert C., 9 Clinton
Knopf Chas., 523 Springfield av
Koenigsberger F. H., 665 Broad
Kohn Paul, 21 S Orange av
Lake Frederick, 222 Market
Lehman Wm. E., 738 Broad
MacLagan Peter T., 552 Summer av
Madel Moses J., 15 Clinton
Marsh Wm. D., 31 Clinton
Merten Paul, 103 Osborne terrace
Murray Clifford E., 20 Clinton
Myers Natsan, 71 Nelson pl
Nobbe Fred, 142 Market
Peter, Alfred, 830 Broad
Phelps Fred A., 11 Clinton
Pigott Jas. S., 9 Clinton
Pryor Robert L., 859 Broad
Reeve H. Edward, Prudential bldg
Rizzolo D. R., 633 N 6th
Robertson Harvey, 230 Highland av
Rosensohn Hyman, 800 Broad
Schoenig Wm. K. & Son, 422 Springfield av
Scudder Henry D. Jr., Essex bldg
Shoemaker Marshall N., 207 Market
Silberstein M. B., 119 Springfield av
Simpson & Briscoe, 31 Clinton
Steinbrenner Chas. L., 31 Clinton
Stout E. C., Prudential bldg
Strombach V. H., 222 Market
Sutton F. S. & S. E., 9 Clinton
Thomson A. H., 222 Market
Valentine Chas. M., 158 Summer av
Waferling John A., 810 Broad
Walters Alfred, 45 Clinton
Warren Edward V., 31 Clinton
Warren John B., Essex bldg
Wurth Ed. A., 207 Market
NEW BRUNSWICK—Boylan Wm. H., 390 George
Merchant Alexander, 363 George
Williamson D. D., 390 George
NORTH BERGEN—Manahan Edwin F.
NORTH PLAINFIELD—(See Plainfield)
OCEAN CITY—Van Gilder Ralph Hayes
ORANGE—Colt Samuel S.
Eichhorn Augustus, 81 Essex av
Lamb John J.
Melendy Geo. E.
Norelli Nicholas A.
Nucciatone Albert P., 9 Taylor
Scrocco Daniel J., 263 Main
PALISADE—Sibley Ernest
PASSAIC—Doane E. E., 48 Carlton pl
Fritz Herman, 237 Main av
Ginsburg Abraham, 11 Bloomfield av
Kelly John F., P. O. bldg
Meeker Wm. M., Park & Exchange pl
Pattison Warren C., 637 Main av
Preiskel Abram, Hobart Trust bldg
Struyk John S., Post Office bldg
Waterhouse Chas. B., 657 Main av
PATERSON—Benjamin Chas. H., 772 E 25th
Crosby H. B., 1st Nat'l Bank bldg
De Rose Jos., 119 Ellison
Dickinson W. E., 136 Market
Edwards Chas., 129 Market
Fanning Wm. T., Colt bldg
Fielding Fred A., 117 Buffalo av
Folks T. John, 452 Market
Grosso Flavio B., 126 Market
Schwarz Fred'k J., Colt bldg
Sleight Albert E., Romaine bldg
Stephens Harry Thornton, United Bk bldg
Van Vlandren John, 140 Market
Wentworth Fred. W., 140 Market
White Chas. E., 617 E 24th
PERTH AMBOY—Brooks Geo. W.
Dayton & Smith
Goldberger & Greisen
Pierson J. N. & Son
PLAINFIELD—Fisher Geo. H., Jr., 224 Manson pl
French Edw. V., 143 North av
Metcalf Fred L., 143 North av
Smith Chas. H., 124 Grove
POMPTON PLAINS—Phillips Albert
PRINCETON—Hill Harry A.
RED BANK—Delatush J. C. & G. A.
Swannell Jos.
Terhune Edgar A. Cor. Hudson av & Linden pl.
ROSELLE PARK—Polhemus P. B.
SEABRIGHT—Thorp Alfred H. Esq
SHORT HILLS—Renwick, W. W.
Thomas Tysillo
SOMERVILLE—Van Nuys P. C.
SOUTH ORANGE—Bird Louis Francis
Colley Chas. E.
SPRINGFIELD—Carter Wm. P.
SUMMIT—Cady Jno. N.
Dow J.
Shapter Rich. S.
White B. V.
TEANECK—Suppes John F.
TENAFLY—Redfield Henry W.
TOWN OF UNION—(See Weehawken)
TRENTON—Consolly Robert G., 114 N Montgomery
Endebrock Wm. P., American Mechanic bldg
Hill Harry A., 40 E. State
Hunt J. Osburne, 114 N Montgomery
Klemann & Fowler, First Nat'l Bank bldg
Pette John P., 131 Jackson
Poland W. A., 9 S Stockton
Schumann Robt. A., 932 Lamberton
Slack Wm. W., St. Regis bldg
Thines Wm. B., Commonwealth bldg
Tomlinson Harry C., 917 Melrose av
UNION HILL—Lugosch J. D., 21 Bergenline av
Schultz Peter L., Dispatch bldg
NEW JERSEY—continued
UPPER MONTCLAIR—Mead Charles A.
Simpson A. W.
VINELAND—Fisher Henry, 97 Main road
WEEHAWKEN—Diemer Philip H., 128 Humboldt
Dixon Robt. C., 548 Park av
Vivarttas Percie A., 110 4th
WESTFIELD—Collins Edw. R.
Darsh Chas. H.
WEST HOBOKEN—De Paola Angelo, 117 Summit av
Helmers Jno. G., 814 Union
McDermott Edward Co., 582 Spring
Randall Chas. W., 201 Lake
Schultz Peter L., 256 Summit av
Weber Jos., 411 Spring
WEST NEW YORK—Dore A. E., Jr., 438 14th
Mayer & Manahan, 711 Bergenline av
Muller Chas. H. A., 322 15th
Schoen Alex C., 711 Bline av
Turck Joseph, 770 Bergenline av
Willaredt Geo., 411 23d
WEST ORANGE—Tappan Frank E.
WESTVILLE—Dickinson Frank L.
WILDWOOD—Boyer Lynn H.
WOODBRIDGE—Meyer Hans
WOODBURY—Shivers Clifford H.

## NEW MEXICO.

ALBUQUERQUE—Cristy Edward Buxton
La Driere J. L.
DEMING—Brown Edwin H., Am. Red Cross, Camp Cody
EAST LAS VEGAS—Hart E. W.
ROSWELL—Carr C. R.
Nelson J. M.
SANTA FE—Rapp I. H. & W. M. & Hendrickson A. C.

## NEW YORK.

ALBANY—Cosgrave John J., 362 State
Delehanty Andrew L., 61 State
Douglass D. Stuart, 100 State
Emery M. L. & H. G., 42 N Pearl
Fuller & Robinson Co., 95 State
Gleason Thomas L., 45 Maiden la
Johnson J. Henry, 95 State
Loth & White, 130 State
Obenus Nichols Co., 119 State
Ogden Chas. G., 61 State
Pember & Campaigne, 24 James
Reynolds Marcus T., 100 State
Schade Wm. C., 50 Beaver
Selkirk Alex. 133 N Pearl
Shoemaker J. D., 24 James
State Architect's Office, Capitol bldg
Sussdorf Chas. A., 100 State
Van Guysling W. H., 1 Clinton sq
ALEXANDRIA BAY—Reid J. B.
ALTAMONT—Wright Wheeler D.
AMITYVILLE—Inglee Lewis
AMSTERDAM—Cassidy David D.
Grieme Henry W.
Savage Wm.
ASTORIA—(See N. Y. City, Borough of Queens)
AUBURN—Armstrong Frank H., Seward blk
Hilger Samuel E., Seward blk
Tallman & Betts, 17 Dill
BABYLON—Kelwin H. J.
Van Weelden H.
Wichman H. G.
BALDWIN—Carretto Gustave
Krawiec I.
Seaman A.
BATAVIA—Homelius Frank H.
BEACON—Van Slyck Chas. B.
Venus Alfred Day
BINGHAMTON—Dickerman E. W., Peoples Trust Co. bldg
Gardner H. S., Ackerman bldg
Jewell & Umbrecht, Kilmer bldg
Kaley L. J., City Hall
Lacey Sanford O., Phelps Bank bldg
Lacey T. I. & Son, Kilmer bldg
Tiffany & Conrad, Phelps Bank bldg
Vosbury C. Edward, Savings Bk. bldg

Whitlock Walter H., Security Mutual bldg
BREWSTER—Waite Frank E.
BRONXVILLE—Kent W. W., Lawrence Park
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Associated Buffalo Architects, 232 Delaware av
Bellony, Mellichamp & Wade, Bliders' Exchange
Bley & Lyman, 250 Delaware av
Cary Geo., 101 W Huron
Colson-Hudson, Dun bldg
Cook Harold I., Dunn bldg
Coxhead John H., 928 Ellicott sq
Dell Emerson C., 65 Monticello av
Esenwein & Johnson, 775 Ellicott sq
Fayfield Robert C., Iroquois bldg
Fuchs Wm. L., 193 Ashland av
Goldstein Eli W., Mutual Life bldg
Green Edw. B. & Sons, Inc., 75 Niagara
Green & Wicks, 110 Franklin
Greenstein L., Prudential bldg
Harris & Merritt, Erie Co., Bank bldg
Harris W. E. & Hall A. V., 110 Franklin
Hopkins Albert Hart, 447 Main
Horton Harvey S., Prudential bldg
Joralemon Edgar E., 482 Delaware av
Kidd F. J. & W. A., 232 Delaware av
Lansing & Oakley, 70 W Chippewa
Lewis & Hill, Brisbane bldg
Miller Martin C., 52 Niagara
Moeller Edw. H., 394 Pearl
Mott Chas. Earle, Prudential bldg
North, Shelgren & Swift, Niagara Life bldg
Ort A. John, 70 W Chippewa
Porter Cyrus K. & Sons, 73 W Eagle
Post A. A., Brisbane bldg.
Schmill Carl & Son, Prudential bldg
Schultz Julius C. (Breweries, etc.), 1370 Main
Simons Decorative Studios, 164 Franklin
Smith Harry G., Marine Bank bldg
Spann Henry L., Mutual Life bldg
Towner Wm. Thomas, Prudential bldg
Walker Jas., Prudential bldg
Wallace Robert A., Mutual Life bldg
Wannenwetsch C. H. A., 563 William
Wicks & Hopkins, 110 Franklin
Wood & Bradney, 1920 Huron
CARTHAGE—Patterson A. W.
CATSKILL—Beardsley C.
Warner Geo. H.
CENTRAL SQUARE—Smith Thos.
CLIFTON SPRINGS—Barton George Edw., Consolation House
COHOES—Goddard Wm. M.
CORNING—Tuthill S. E.
CORNWALL—Taylor Harvey B.
CORTLAND—Clark C. W.
EAST HAMPTON—Lawrence J. Custis
EAST SETAUKET—Lyons T. H.
ELMIRA—Bickford H. H., 118 Lake
Pierce & Bickford, 120 Lake
ENDICOTT—Crawford F. S., 18 Adams av
EVERGREEN—(See New York City, Borough of Queens)
FAR ROCKAWAY—(See New York City, Borough of Queens)
FLUSHING—(See New York City, Borough of Queens)
FREDONIA—Beebe H. P.
GENEVA—Adams Lloyd P.
Hill I. Edgar
GLENS FALLS—Howe Clinton
Lawrence W. E.
McDonell J. Harold
Potter E. B.
Scales W. J.
Shippey Ward G.
GLOVERSVILLE—Beattie Arthur A.
Comstock & Van Dreser
Moul Henry S.
GREENWICH—Smith Frederick G. C.
HASTINGS UPON HUDSON—Hastings F. L.
HEMPSTEAD—Baylis I. B.
HERKIMER—Cassidy S. W.
Cronk Charles E.
Sluyter R. E.
HORNELL—Losie C. S.
Thompson E. J.
HUDSON—De Prosse Victor A.
Moul H. S.
O'Connor M.
ISLIP—Scheffer Morris L. J.
ITHACA—Gibb Arthur N., Trust Co. bldg
Hinckley Henry N., Savings Bank bldg
Martin Clarence A., Cornell University
Miller & Mallory, 139 E State
Miller William Henry, Sage block
Phelps Albert C., Cornell University
Vivian Clinton L., 120 E State
Waltz Ornan H., Trust Co. bldg
Wilgus Jno. M., 102 E State
Young Geo. Jr., College of Arch., Cornell
JAMESTOWN—Hultgreen C. O.
Mason Joseph
Pederson C. C.
Phillips, Fidler & Beck
Rulifson J. W.
JAMAICA—(See New York City, Borough of Queens)
JOHNSTOWN—Simmons P. M. (& Builder)
KATONAH—Wetzel John A., Hillbourne
KENWOOD—Skinner Theodore H.
KINGSTON—Betz Gerard W.
Lowe George
Teller Myron
LARCHMONT—Fish Ferd, (Suburban work only)
LONG ISLAND CITY—(See New York City, Borough of Queens)
LOWVILLE—Rich W. H. Son & Co.
MALONE—Hugaboom S. G.
MAMARONECK—Oakley Chas. T.
MARATHON—Holmes John (& Builder)
MASPETH—(See New York City, Borough of Queens)
MIDDLETOWN—Canfield D. H.
Valkenburgh E. P.
MOUNT KISCO—Meres F. Guy
MOUNT VERNON—Acocella Michael A.
Greenfield Robt. A., P. O. bldg
Guttenberg S. A., Proctor bldg
Jenks A. Murray
Krais William, 146 Vista pl
Lucas Herbert, Lucas bldg
Middleton Wm. B., 110 W Sidney av
Miller Geo. L., 13 S 3d av
Olphert Geo. H. Jr., Proctor bldg
Perry James H., 349 S 4th
Rogers Robert E., 347 S 4th av
Stickles Walter F., 10 N 2nd av
Wolf Clarence J., 3 S 3d av.
Wright, Frank M., 36 Claremont pl
NAPANOCH—Norden Andrew B.
NEWARK—Krabbenschmidt E. A. P.
Van Buren Charles
NEW BRIGHTON—(See New York City, Borough of Richmond)
NEW ROCHELLE—Banard Lawrence, 46 Lawton
Calafati Salvator S., 224 Main
Fernschild Geo. J., Jr., 192 Main
Gahan Wm. G., 254 Huguenot
Giorla Giuseppe, 19 Madeleine av
Kilthau Girstav, 1 Neptune Island
Lupprain Chas. A., 180 Main
McCormick Harry E., 270 Main
Pagan Franklin D., 57 Lawton
Sundberg August, 78 North av
Vallett Henri, 11 North av
Winter Frederick E., 270 Main
Wise Lorrillard, 254 Huguenot

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Adams Frank, 216 Boerum
Adelsohn E. M., 1776 Pitkin av
Allmendinger Louis, 20 Palmetto
Ballinger & Perrot, Thompson av
Banks Robert V., 95 Bway.
Bauer C., Jr., 788 Manhattan av
Bennett Thos., 7876 5th
Berger Jacob F., 349 13th av
Berlenbach Francis J., Jr., 260 Graham av
Berres A., 1484 St. Marks av
Bly & Hamann, 833 St. Johns pl
Boyle Jas. A., 367 Fulton
Boyle & Prowler, 367 Fulton
Brandin Wm., 55 Vanderveer av
Braun Chas., 459 41st
Brook Abraham, 215 Montague
Brooks Irving, 215 Montague
Brucker Henry C., 720 Prospect av
Burke & Olsen, 32 Court
Cannelia Chas. P., 1163 Herkimer
Cantor M. A., 373 Fulton
Carlson Arthur G., 226 Henry
Carlson & Wiseman, 226 Henry
Cassidy, A. F. Corp., 27 West End av
Clausmitzer John, 55 Bay 34th
Cobb M. E., 166 Montague
Cohn Bros., 363 Stone av
Cohn Max, 189 Grand
Conway W. J., 400 Union
Corbett Harvey W., 190 Montague
Cornell Jos. H., Mott av
Crane Geo. E., 615 Stoothoof av
Cromwell J. J., Walsh av
Crowley Arthur F., 144 West av
Dangler Harold G., 215 Montague
Dassau Fred'k, 1373 B'way
Debus Wm., 86 Cedar
De Lion Carl H., 200 Montague
Dreyer Jno. G., 75 Oakland
Dreisler Benj., 153 Remsen
Dussich Jos. L., 196 Bay 14th
Eisenla Frederic W., 571 77th
Engelhardt C. P., 905 B'way
Entlich Henry M., 413 S 5th
Erda Gustave, 826 Manhattan av
Esterbrook H. E., 1463 Fulton
Farber Abraham, 1746 Pitkin av
Farber & Markwitz, 189 Montague
Fein J., 215 Snediker av
Finkensieper Benj., 346 Vernon av
Fischer Adam E., 373 Fulton
Foot M. D., 1432 75th
Foster C. A., 15 Hawthorne
Friedland Louis H., 177 Penn
Gastmeyer Chas., 1652 Myrtle av
Gens Chas. Jr., 1015 E 2nd
Glover J. G., 222 Navy
Glucroft & Glucroft, 729 Flushing av
Goldberg Adolph, 354 State
Goldstone, Tobias, 50 Graham av
Gronenberg H., 1857 63rd
Guldberg Chris A., 390 Clinton
Hamann J. Henry, 109 Forest av
Harvie Harry R., 402 9th
Hedman Axel S., 371 Fulton
Helmle Frank J., 190 Montague
Heps Henri C., 358 N. Y. av
Hine F. L., 189 Montague
Hirsch Max, 215 Montague
Holder Henry, Jr., 242 Franklin av
Holmgren Eric O., 373 Fulton
Hudson Benj. F., 319 9th
Imperato F. P., 100 Degraw
Infanger Chas., 2634 Atlantic av
Jarden C. J., 1760 81st
Jeffrey H. T., Jr., Fulton
Kallich & Lubroth, 215 Montague
Kallish Isaac, 2208 Bath av
Kelly Frank E., 16 Court
Kennedy J. Sarsfield, 157 Remsen
Kennedy W T. & Co., Division av
Klein Murray, 116 Grove
Kleinhenz J. G., 1839 E 12th
Koch Arthur R., 26 Court
Kohler Robt. D., 161 Gates av
Korber Herbert W., 42 Hanson pl
Kunzi Albert C., 31 Winifred
Kunzi & Waillant, 394 Graham av
Kurth Otis E., 220 8th av
Kurz Robt., 324 Fulton
Lacerenza W. A., 172 Pennsylvania av
Laspia & Salvati, 525 Grand
Lauritzen L., 65 De Kalb av
Le Brun P. L., 111 Joralemon
Leppin Wm. F., 1335 St. Mark av
Linn John N., 300 12th
Liquoraik Herman, 255 Concord
Lobenstein Geo. J., 230 Martense
Lubroth J., 2210 Bath av
Lucas D. A. & Co., 98 3rd
Ludwig Rudolph, 9 Jackson av
Ludwig Wm. H., 801 Eastern Parkway
Lupien A., 1204 Carroll
McCarthy W. T., 16 Court
McDonald Jas. A., 1630 Surf av
McGill H., 635 St. Marks av
McKillop Jas., 154 India
Madigan G. Harry, 243 Withers
Malkind Samuel L., 1270 54th
Mastrocolia Nickolas, Railroad av
Mayer MacDonald, 8204 Ridge blvd
Meisinger Emil J., 394 Graham av
Michel J. G., 323 45th
Millman S. & Son, 1780 Pitkin av
Morris Montrose & Son, 533 Nostrand av
Morris Robert R., 720 Decatur
Mortensen & Co., Dreyer & Locust
Nelson G. M., 819 Halsey
Nurick H. J., 949 B'way
Parfitt Bros., 26 Court
Pierce A. White, 26 Court
Prower Gilbert I., 1959 Homecrest av
Purdy Raymond Jones, 167 76th
Ramming Walter I., 3753 Fulton
Reiser Mac L., 198 Bristol
Ricca J. M., 40 Hamburg av
Richardson A. Edw., 100 Amity
Richter Wm., 367 Fulton
Rocker, Harry, 373 Fulton
Roosa Fredk H., 316 Flatbush av
Rothstein Morris, 197 Snedeker av
Rupp Bros., Inc. (& Builders) 180 Montague
Ryan William J., 162 Ryerson
Sabetti Frank P., 215 Montague
Salvati D., 525 Grand
Savignano Ferdinand, 6005 14th av
Schaefer Robt. J., 1526 Flatbush av
Schoen Eugene, 371 Fulton

NEW YORK—New York—continued
Shampan & Shampan, 50 Court
Silverstein H., 783 Jefferson av
Simon M. R., 1474 Putnam av
**Simpson Jno., 430 48th**
Simpson E. B., Hempstead Turnpike
**Slee & Bryson, 154 Montague**
Sorice Anthony J., 363 Fulton
Spers Carl Jr., 7523 Ridge Blvd
Spindler Chas. M., 215 Montague
**Stange Gustave, 90 Hale av**
**Steigman Philip, 690 B'way**
Stellges Edw. W. Jr., 40 Kneer av
**Stork F. W., 7416 3d av**
Thieme Fred R., 619 81st
**Thode & Harvie, 406 9th**
Tillion Philemon, 381 Fulton
Todaro Vincent S., 1838 W 8th
**Ullrich Albert, 373 Fulton**
**Ullrich & Hoffman, 373 Fulton**
Vollweiler Fred, 1612 B'way
**Vollweiler Hy., 696 Bushwick av**
Volz Hans C., 373 Fulton
Von Felde Wm., Middle Village
**Voss & Lauritzen, 65 De Kalb av**
Wagner Chas. C., 32 Court
**Wandell Jno. C., 8525 4th av**
Weinstein Martyn N., 1270 54th
**Werner Chas., 316 Flatbush av**
**Werther J. E., 371 Lockwood**
**Whinston Morris, 459 Stone av**
**Wills Walter B., 1181 Myrtle av**
**Winters Wm. C., 106 Van Sicklen av**
**Zlot Harry, 303 Bedford av**

Boroughs of Manhattan and Bronx.

NEW YORK—Abbott Franklin, 389 5th av
Abramson Louis A., 46 W 46th
Ach David M., 1 Madison av
Acker E. Augustus, 686 Academy
Ackerman Frederick L., 25 W 44th
Adams Rayne, 7 W 42d
Adams Wm., 15 W 38th
Ajello Gaetan, 1 W 34th
Albro Lewis C., 2 W 47th
Allen Augustus N. 2 W 45th
Allen Jerome R., 101 Park av
Almiroty Randolph H., 46 W 46th
**Amsler Jacob H., 1616 Crosby av**
Anderson Donald G., 28 E 49th
Annitto Edw. M., 333 4th av
**Arend Ernest A., 105 W 40th**
Armstrong & De Gelleke, 122 E 25th
Aspinwall J. Lawrence, 8 W 40th
Austin Wm. E., 46 W 24th
**Ayres Louis, 50 E 41st**
Bacon H., 101 Park av
Bacon John F., 475 5th av
Baer Herbert M., 101 Park av
Baker Jas. B., 156 5th av
Baker Jas. McF., 225 5th av
Ballinger & Perrott, 1328 B'way
Bankers Engng. Co., 112 E 19th
Bannister & Schell, 67 Wall
Barber Donn, 101 Park av
Barber Joel D., Grand Cent. Term.
Barney & Colt, 40 W 38th
Bartlett Geo. M., 103 Park av
Bates & How, 35 W 39th
Baum Dwight Jas., Spuyten Duyvil Parkway & Waldo av
Bayless A., 33 Bible House
Beardsley L. S., 38 W 32d
Beder Harold W., 334 5th av
Beekman Wm. F., 345 5th Ave
Beers W. Harmon, 333 4th av
Behr Frederic H., 2 W 47th
Bell Algernon S., 320 5th av
Beman J. Garfield, Park av & 41st
Benedict Frederick S., 50 E 41st
Benedict Wm K., 527 5th av
Benson J. P., 331 Madison av
Berg Chas. I., 331 Madison av
Berger Bruno W. & Son, 121 Bible House
Berger Richard, 309 B'way
Bergesen John, 153 W 126th
Berlinger J. M., 8 W 40th
Bernstein Mitchell, 137 E 41st
Berube Alfred A., Grand Central Pal.
**Biele Carl F., 381 W 12th**
Bien Pepperberg, 37 E 28th
**Birge Charles E., 29 W 34th**
**Birkmire Wm. H., 1133 B'way**
**Bissell Frank H., 567 5th av**
Bissell Wesley S., 56 W 45th
Birdsall C. K., 55 Liberty
**Blair Walter D., 597 5th av**
**Blake T. E., 52 Vanderbilt av**
Blanchard Huse Templeton, 351 Lexington av
Bleier David, 2366 Webster av
Bloch & Hesse, 18 E 41st
Bloodgood & Sugarman, 681 5th av
**Bloodgood Wm. E., 681 5th av**
**Blum Geo. & Edw., 505 5th av**
**Bodker A. J., 62 W. 45th**
Boehm G. A. & H., 7 W 42d
Boese, John, 280 Broadway
Bogert Cornelius U. R., 5 Columbus Circle
Bonagur Vincent, 789 Home
Boring & Tilton, 52 Vanderbilt av
Bossom Alfred C., 680 5th av
Bosworth F. Hunt, Jr., 597 5th av
**Bosworth Wm. W., 527 5th av**
Bottomley Wm. Lawrence, 597 5th av
Bowdoin & Webster, 299 Madison av
Bowler Robt. B., 101 Park av
Boyland Jno. P., 4780 3rd av
**Brady Albert I., 15 Broad**
Brandon Alfred E., 30 W 134th
**Brandt John (& Builder), 271 W. 125th**
**Brazer Clarence W., 1133 Broadway**
Bready George L., 220 W 42d
Britton Frank, 120 B'way
Brown Archibald M., 140 E 39th
Brown Bache H., 70 E 45th
Browne Fredk. C., 209 W 102d
Brun C. B., 228 W 34th
**Brunner Arnold W., 101 Park av**
Buchman & Kahn, 56 W 45th
Buck Chas., 10 E 45th
Buchtenkirk Geo. C., 1265 B'way
Buckham C. W., 311 5th av
**Budd K. C., 527 5th av**
**Bullards Rogers H., 4 E 39th**
Bunce J. Oscar, 7 E 42nd
Burley Jas. L., 363 Lexington av
Burnett E., 405 Lexington av
**Burton Howard, 101 Park av**
Busselle Alfred, 347 Madison av
Butcher Thos., 516 5th av
**Butler Geo., 62 W. 45th.**
Butler Lawrence S., 101 Park av
**Butler & Rodman, 56 W 45th**
Byrne Edward J., 438 E 158th
Caldwell Chas. H., 101 Park av
Calhoun Charles L., 16 E 33rd
**Campbell Jas. I., Woodycrest av & 163d**
Campbell Shiras, 103 Park av
**Candela Rosario, 120 E 101st**
Candler Duncan, 753 5th av
Cardo M. A., 2153 Belmont av
Carner & Lang, 110 W 34th
**Carpenter James E. R., 681 5th av**
**Carrere & Hastings, 45th & Vanderbilt av**
Carson L. A., 7 E 42nd
**Casazza Geo. J., 1133 Broadway**
Casey Edw. P., 149 Broadway
Casale James E., 569 5th av
Casale & Witt, 569 5th av
Chambers Walter B., 111 E 40th
Chance Geo. W., 47 W. 34th
Chapman F. Burnham, 4 E 39th
**Chapman Henry Otis, 334 5th av**
**Chapman Josephine W., 46 Wash sq**
**Chappell & Bosworth, 258 Broadway**
Chard Thornton & Walter G., 101 Park av
Chard Walter G., 101 Park av
Cherry Wm. John, Grand Cent. Term.
Chestresmith Ed. B., 259 W 30th
Child Edw. S., 29 Broadway
Child Henry T., 29 B'way
Chivers Herbert Chelsey, Woolworth bldg
Clark & Arms, 351 Lexington av
Clark Cameron, 351 Lexington av
**Clark Chas. S., 443 E Tremont av**
Clark Samuel Adam, 108 E 29th
Clawson Harry M., 331 Madison av
Cleverdon R. N., 101 Park Row
Clinton & Russell, 32 Nassau
Cobb Henry Ives, 1465 B'way
Cocker J. C., 2017 5th av
Coffin & Coffin, 25 W 42nd
Coffin Lewis A., 15 E 40th
Cohen Samuel, 32 Union sq
Cohen Simon, 2205 5th av
Colby Frank A., 70 5th av
Coley Samuel B., 569 5th av
Collins D. C. Newman, 14 John
Collins Frank C., 2 W 45th
Colt Stockton B., 40 W 38th
**Comfort Ralph M., 160 5th av**
**Comstock Corry B., 110 W. 40th**
**Conable Geo. W., 46 W. 24th**
**Congdon Henry M. & Son, 18 B'way**
Congdon Herbert W., 18 B'way
Conover J. Hallam, 114 Liberty
**Conover Warren H., 114 Liberty**
Cooley C. D. Co., 41 Park Row
Coote Arthur W., 101 Park av
**Cornelius Chas. A., 100 E 17th**
**Cornell Frank T., Grand Central Term.**
Cottrell W. Liance, 200 5th av
Cox, John, Jr., 30 E 42nd
**Cram & Ferguson, 33 W 42d**
**Crane Theodore, 15 W 38th**
**Crosier Geo. P., White Plains av & 223d**
**Cross & Cross, 681 5th av**
Crow, Lewis & Wick, 200 5th av
**Cullen Chas. H., 101 Park av**
Cunningham B., 120 B'way
**Cusacks Philip Allin, 12 E 46th**
Dana Richard Henry, 331 Madison av
**Davis Albert E., 258 E 138th**
Davis Herbert E., 220 5th av
Davis, McGrath & Kiessling, 220 5th av
**Day John Bagley, 1265 Broadway**
Deacy Wm. H., 569 5th av
**Dean E. Clarence, 2 W 47th**
De Forest E. G., 280 Madison av
**De Gersdorff Geo. B., 103 Park av**
**De Hart John, 1039 Fox**
Dehli Arne, 291 B'way
**Delano & Aldrich, 126 E 38th**
**Delehanty Bradley, 2 W 45th**
**Dell Louis E., 1133 Broadway**
Denby & Nute, 333 4th av
Dennison, Hirons, 475 5th av
Denslow L. E., 44 W 18th
De Pace, A. J., 637 Rosewood
De Rosa Eugene, 170 W 40th
De Rose & Cavalieri, 370 E 149th
De Rosa & Pereira, 110 W 40th
Dewsnap Wm., 334 5th av
Diemer Julius J., 1 Madison av
**Dieterlen Chas. T. E., 15 W 38th**
Dietrich E. G. W., 1 Madison av
Dillon, McLellan & Beadel, 149 B'way
Dithey Wm. J., 1 Union sq W
Ditmars I. E., 111 5th av
Dodge R. Irving, 405 Lexington av
Dodge & Morrison, 135 Front
**Dominick William F., 3 W 29th**
Donegan J. W., 39 Ann
Donnell Harry E., 37 E 28th
Dress Geo., 116 W 39th
**Duff Thos J., 407 W 14th**
**Dugan Geo. A., Sr., 200 5th av**
Duncan John H., 347 5th av
Dunn E. D., 303 5th av
**Dunn Thos. F., 953 Woodycrest av**
**Dunnigan & Crumley, 391 E 149th**
Eaton L., 202 E 18th
Ebling L. Allen, 52 Vanderbilt av
**Ecob Robt. Gilbert, 299 Madison av**
Eisendrath Simon B., 18 E 41st
Eisinger L. W., 52 Vanderbilt av
Ellett Thos. H., 681 5th av
Ellis Irving B., 47 W 34th
Embury Aymar 2d, 132 Madison av
Emerson Wm., 597 5th av
Emery Hy. G., Bible House
Emery Marshall L., Bible House
**Euell Geo Raymond, 125 Sherman av**
Ewing & Allen, 101 Park av
Ewing Blaine, 681 5th av
Ewing & Chappell, 101 Park av
Fanning Ewd. F., 2 W 45th
Farley Frank C., 333 4th av
Farrell William, 82 E 236th
Farrington Robt. M., 103 Park av
**Fash Robt. A., 163 W 20th**
**Fellheimer, Alfred, 5 E 42d**
Felsberg B. G., 1328 B'way
**Felson J. M., 1133 Broadway**
Fenner Burt L., 101 Park av
Fetherston Chas. E., 101 Park av
Fiken H. Edwards, 22 E 17th
Fisher Jacob, 25 Av A
Fisher W., 1476 B'way
Fitz-Mahony Michael J., 15 E. 40th
Fitzpatrick John, 271 E 198th
Flagg Ernest, 111 E 40th
Flagg Montague, 244 Madison av
**Fletcher Arthur G. C., Park av & 41st**
**Ford, Butler & Oliver, 101 Park av**
**Forman & Light, 40 Cedar**
Forster Frank J., 33 W 42nd
Foster Mortimer, 15 W 38th
Franklin L. Murray, Jr., 50 E 41st
**Freedlander Jos. H., 681 5th av.**
**Freeman Alfred, 29 W 34th**
**Freeman Frank, 132 Nassau**
Freehof Mortimer E., 405 Lexington av
French F. Co., 299 Madison av
French Leigh Jr., 599 5th av
French & Plenthner, 599 5th av
Friedman, Robertson & Keeler, 203 W 13th
**Friend Jno. H., 148 Alexander av**
Fritz Andrew R., 220 W 121st
Froling Nils V., 150 Nassau
**Frost Frederick G., 19 W 44th**
**Fuhs Adolph, 302 E 87th**
**Gage S. Edson, 28 E 49th**
**Gardner Robt. W., 43 Cedar**
Gavigan Jas. J. F., Grand Cent. Term.
Gayler Julius F., 15 E 40th

George Thomas J., 32 Nassau
Giele Louis H., 1123 Broadway
Gifford Chas. A., 25 Park pl
Gilbert A. F., 80 Maiden la
Gilbert Cass, 244 Madison av
Gilbert Chas. P. H., 1125 Broadway
Giller Louis, 395 Broadway
Gillespie G. Curtis, 19 Liberty
Githens Alfred Morton, 52 Vanderbilt av
Godley Fredk. A., 244 Madison av
Godley & Sedwick, 244 Madison av
Goldhammer Albert, 32 Union Sq
Goldner & Goldberg, 391 E 149th
Goldner Jacob, 823 E 165th
Goldrich Phillip, 326 E 98th
Goldstone Lafayette, 512 5th av
Goldstone Tobias, 299 B'way
Gompert Wm. H., 171 Madison av
Goodhue Bertram G., 2 W 47th
Goodwin, Bullard & Woolsey, 4 E 39th
Gordon J. Riley, 507 5th av
Gottlieb Albert S., 101 Park av
Graham, Anderson, Probst & White, 120 B'way
Grant Chas. C., 15 W 38th
Gray Albert M., 1402 B'way
Gray, Green & Wilkes, 41 Union Sq
Greene Ernest, 52 Vanderbilt av
Greenberg A. Benton, 8 W 64th
Greenleaf Jno. C., 15 W 38th
Gregory Julius, 56 W 45th
Grieshaber Carl F., 126 E 38th
Griesser Wilhelm, 120 B'way
Griffin Percy, 30 Church
Griffin & Wynkoop, 30 Church
Gronenberg & Leuchtag, 303 Fifth av
Gross & Kleinberger, Bible House
Guard Shirley R., 8 W 40th
Gugler Eric, 101 Park Row
Guldberg Christian, 29 W 34th
Gundlack B., 150 Nassau
Gurd John A., 597 5th av
Haefell Walter, 229 W 42nd
Haight Chas. C., 52 Vanderbilt av
Hall Douglas P., 749 5th av
Hamilton John A., 32 B'way
Hanemann J. Theo., 50 E 42nd
Hardenbergh Henry J., 47 W 34th
Harde Herbert S., 1 E 42nd
Harder Julius F., 120 W 32d
Harney G. E., 320 5th av
Harrington W. H., 19 E 48th
Harrison Joseph D., 52 Vanderbilt av
Harrison M. Joseph, 63 Park row
Hart Chas. M., 12 E 44th
Hart Donald P., 3 W 29th
Haskell Wm. C., 1328 B'way
Hasselman Francis G., 53 W 39th
Hastings Thomas, 52 Vanderbilt av
Hatton John M., 347 Madison av
Haugaard Wm. E., 185 Madison av
Hausle Frank, 81 E 125th
Hausle Max, 3307 3rd av
Hawley Hughson, 1 Union sq W
Hays & Hoadley, 2010 B'way
Healy Henry J., 320 5th av
Hedman Axel S., 10[illegible] 9th
Hemstreet W. F., Woolworth bldg
Hering Oswald C., 8 W 33d
Herron R. L., 64 W 38th
Hertz Samuel A., 14 Maiden Lane
Herzburn Bernard, 220 W 42nd
Hesse Walter, 18 E 41st
Hewlett Wm. A., 1265 B'way
Higgins Chas. H., 19 W 44th
Higgins Ralph B., 19 W 44th
Higginson Wm., 18 E 41st
Hill Geo., 25 Church
Hillard W. B., 366 5th av
Hiss & Weekes, 452 5th av
Hoddick August O., 117 W 58th
Hoffman F. Burrall, Jr., 120 W 33rd
Hoffman Henon Co., 70 W 45th
Hoffman Murry, 2 E 41st
Holabird & Roche, 2 W 47th
Holden Frank H., 485 5th av
Holden Lansing C., 103 Park av
Holton Alfred J. S., 32 Nassau
Holler John H., Jr., 150 Nassau
Hollingsworth & Bragdon, 17 W 45th
Holmes & Winslow, 110 W 40th
Hood Raymond M., 7 W 42d
Hooper Parker Morse, 15 W 38th
Hopkins Alfred, 101 Park av
Hoppin & Koen, 4 E 43d
Horenburger Herrman & Son, 656 E 163d
Horn E. C., Sons, 1476 B'way
Hornum Louis A., 405 Lexington av
Horowitz Max R., 17 W 31st
Horvay Chas. Z., 1808 Marmion av
Horwitz Bernhard, 500 5th av
House John H., Jr., 503 5th av
Howell John Mead, 367 Lexington av
Howell & Scott, Inc., 15 E 40th
Howes Edward T., 503 5th av
Howland Henry R., 103 Park av
Huenerberg William, 2080 Daly av
Hughes Elwood, 210 W 34th
Hull Ernest H., 10 E 47th
Humble Albert, 223 W 33rd
Hume Raphael, 2 W 47th
Hunt & Hunt, 28 E 21st
Hunt F. Albert, 1 W 34th
Hunter J. Duncan, 501 5th av
Hunter Paul C., 191 9th av
Hunter R. C. & Bro., 501 5th av
Hunting Walter C., 47 W 34th
Hutchinson Robert C., 126 Liberty
Hutton & Buys, 103 Park av
Hyde Maxwell, 52 Vanderbilt av
Ingalls Harry C., 347 Madison av
Ingle John W., 527 5th av
Jackson Arthur C., 25 Madison av
Jackson John F., 1328 B'way
Jackson Jos. A., 1123 B'way
Jacobs Harry A., 320 5th av
Jallade, Lindsay & Warren, 37 Liberty
Jallade Louis E., 37 Liberty
Janes Elisha Harris, 105 W 40th
Janes Franklin Hawley, 154 Nassau
Jardine, Hill & Murdock, 50 E 42d
Joannes Francis Y., 52 Vanderbilt av
Johnson Arland W., 469 5th av
Johnson Carl P., 30 E 42d
Jones Chas. G., 280 B'way
Josselyn Edgar A., 103 Park av
Kahn Ely Jacques, 56 W 45th
Kaplan Louis H., 1457 B'way
Katz & Feiner, 505 5th av
Katz S. Walter, 505 5th av
Kaufman Lewis R., 681 5th av
Kaufmann, Kilian & White, 110 E 23d
Keefe Chas. S., 101 Park av
Keeler Frederick S., 203 W 13th
Kehoe Alfred L. & Co., 1 Beekman
Keister Geo., 56 W 45th
Kelly Hugh A., 38 Park Row
Kelly Timothy J., 707 Morris Park av
Kelley Frederic P., 477 5th av
Kelmig Louis J., 299 Madison av
Kendall Wm. Mitchell, 101 Park av
Kenneth W. D., 258 B'way
Kenworth Wm. F., 112 E 19th
Kerby & Call, 470 E Tremont av
Kerkow, Inc., 125 E 56th
Kiessling Calvin, 220 5th av
King Beverly S., 103 Park av
Kinsila Ed. B., 41 W 27th
Kinzelberg Benj., 1819 2nd av
Kiorboe Vilhelm, 280 Madison av
Kirby Edgar L., 169 W Tremont av
Kirby Walter B., 527 5th av
Klaber Eugene H., 101 Park av
Klaber John J., 225 5th av
Klein Edward A., 112 E 19th
Knapp Horace Greeley, 235 Fulton
Knowles Harry P., 52 Vanderbilt av
Knubel John H., 305 W 43d
Koechl Otto R., 13 E 40th
Koehler V. Hugo, 2 Columbus Circle
Koelble Henry A., 114 E 28th
Koenig Adolph A., 405 Lexington av
Kohn Robert D., 56 W 45th
Kramer Geo. W. & Son, 1 Madison av
Krapp Herbert J., 114 E 16th
Kudorff Irving, 432 4th av
Kurtzer William, 1385 Crotona av
La Farge C. Grant, 101 Park av
La Farge & Morris, 101 Park av
Lamb Thos. W., 644 8th av
Lambert Wm. A., Woolworth bldg
Landsman S., 1380 Prospect av
Lang David S., 110 W 34th
Lang Eugene J., 477 5th av
Langer Nathan, 81 E. 125th
La Pierre Lester S., 101 Park av
Larkin E. L., 461 8th av
Lawlor & Haase, 15 W 38th
Lawrence Warrington G., 37 E 28th
Lebeis Edward H., 2 W 45th
Lee & Hewitt, 1123 B'way
Lehlbach Edward 507 5th av
Lehmann Edward A., 40 Cedar
Leo John P., 770 St. Nicholas av
Leonard G. Francis, 5 Beekman
Levingson S., 405 Lexington av
Levitan Benj., 7 W 45th
Levy Emilio, 331 Madison av
Lewis Albert William, 2 E 41st
Licata A., 324 E 14th
Licht Geo. A., 126 E 38th
Lindsay Andrew, 37 Liberty
Lippert F. G., 5 Beekman
Lippman Herbert, 381 4th av
Liptak John M., 753 5th av
Litchfield Electus D., 477 5th av
Little & O'Connor, 103 Park av
Lobo Arthur, 8 W 33rd
Loomis C. D., 143 Liberty
Lord Hewlett, 345 5th av
Lowell Guy, 225 5th av
Lowinson Oscar, 366 5th av
Lubschez Ben. J., 101 Park av
Lucas Herbert, 129 E 21st
Ludlow & Peabody, 101 Park av
Lyall Earl H., 477 5th av
Lynch Elliott, 341 5th av
Lyons Robt. T., 52 Vanderbilt av
McCabe Geo. M., 96 5th av
McCormick Co., Inc., 41 Park Row
McElfatrick Wm. H., 701 7th av
McGlashan Norman, 1123 B'way
McGuire Jos. H., 101 Park av
McKenzie, Voorhees & Gmelin, 1123 B'way
McKim, Mead & White, 101 Park av
McQuade Walter, 101 Park av
MacKenzie Clinton, 15 Broad
Mackintosh Alexander, Bible House
Magnuson Hugo E., 52 Vanderbilt av
Magonigle H. Van Buren, 101 Park av
Maher Jas S., 431 W 14th
Mainzer H. R., 105 W 40th
Major Howard, 597 5th av
Mann & MacNeille, 70 E 45th
Marcus Bertram N., 347 5th av
Margon Irving, 355 E 149th
Markowitz Phillip, 405 Lexington av
Markwith Roland I., 111 5th av
Marsh Reginald E., 101 Park av
Marshall Geo. E., 53 W 39th
Mason Eugene W. Jr., 52 Vanderbilt av
Massarine Wm. G., 15 E 40th
Mathesius F., Jr., 320 5th av
Matthews John E., 1889 Washington
Matthews John L., 320 E Kingsbridge road
May Chas. C., 15 E 40th
Maynicke & Franke, 25 E 26th
Meader Herman Lee, 2 W 33d
Meek James Edwin, 367 Lexington av
Meeks Everett V., 52 Vanderbilt av
Mellon Edward P., 52 Vanderbilt av
Menconi Bros., 422 W 46th
Merrill Daniel D., 5 Beekman
Mersereau Wm. H., 32 B'way
Mertens John H., 37 E 28th
Mertin Adolph, 34 W 28th
Metcalfe Louis R., 2 W 47th
Meyer Theodore A., 114 E 28th
Meyers Chas. B., 1 Union sq
Millar Wm. M., 333 4th av
Miller Chas. E., 111 Nassau
Miller Wm. P., 870 B'way
Milliken H. O., 331 Madison av
Mills J. Layng, 597 5th av
Mizner Addison C., Grand Cent. Term.
Monckmeyer F. W., 261 B'way
Montgomery H. P. Alan, 105 W 40th
Moore Frank A., 52 Vanderbilt av
Moore & Landsiedel, 3d av & 148th
Moore W. S., 52 Vanderbilt
Moran Wm. Edgar, 15 W 38th
Morrill Milton Dana, 17 Charles
Morris Chas., 16 E 23rd
Morse Henry G., 101 Park av
Mortensen & Co., 405 Lexington av
Moscowitz J., 8 W 40th
Moses Lionel 2d, 101 Park av
Mowbray & Uffinger, 56 Liberty
Muller Bernhardt E., 477 5th av
Muller John, 15 W 38th
Muller Max, 115 Nassau
Mulliken Harry B., 609 W 48th
Mullin Charles Whitely, 110 W 40th
Murchison Kenneth M., 101 Park av
Murgatroyd Everett F., 2764 Morris av
Murphy & Dana, 331 Madison av
Murray P. J., 141 E 40th
Nash Arthur C., 345 5th av
Nash Thos., 52 Vanderbilt av
Nast Adolph E., 56 W 45th
Necarsulmer Edward, 507 5th av
Nelson Francis A., 15 W 38th
Nelson & Van Wagnen, 15 W 38th
Neville & Baggs, 570 Bergen av
Newman Frank E., 1123 B'way
Newman & Harris, 1123 B'way
Newman Thos. L., 2236 Ellis av
Nitchie John E., 61 Park Row
Nolan John F., 124 W 36th
Nordham George, 103 Park av
Oakman Jno., 345 5th av
O'Brien Morgan M., 49 E 90th
O'Connor Jas. W., 162 W 37th
O'Connor Michael J., 103 Park av
Ogden Palmer H., 597 5th av
Orchard Wm. H., 17 W 45th
Otto Carl L., 15 Park Row
Otto G. Henry, 156 5th av
Paddon Harold E., 280 Madison av
Pallme Edw. F., 3 W 29th
Palmer & Hornbostel, 63 William
Panaro P., 489 5th av

NEW YORK—New York—continued
Parfitt Albert E., 19 Liberty
Parish & Schroeder, 280 Madison av
Parker & Parker, 12 W 40th
**Parsons Floyd Y., 1133 B'way**
**Parsons Robert E., 28 E 49th**
Patterson Chester A., 50 E 42nd
Patterson Harold F., 363 Lexington av
Patton Lewis C., 597 5th av
**Pauli Augustus C., 331 Madison av**
**Peabody, Wilson & Brown, 389 5th av**
**Peck Chas. F., 5 E 42d**
Peck Laurence F., 101 Park Row
Pelham Geo. F., 200 W 72nd
**Pell F. Livingston, 122 E 25th**
Pelton Henry C., 35 W 39th
Pennington Pleasants, 2 E 41st
Pereira Percival R., 110 W 40th
Perkins Frank E., 37 E 28th
Persina C. David, 1711 Van Buren
Peterkin John B., 220 W 42nd
**Phelps Stowe, 20 W 43d**
Phillipps R. Stenner, 223 W 33d
Phillips J. H., 681 5th av
**Phillips Alexander, 160 5th av**
**Phillips Wm. S., 103 Park av**
**Pickering Arthur D., 103 Park av**
Pilcher Lewis F. (State Architect), Hall of Records
**Pilcher & Tachau, 109 Lexington av**
Pittman Henry C., 114 Liberty
**Platt, Chas. A., 101 Park av**
Platt F. P. & Bros., 680 5th
Pleuthner W. K., 599 5th av
**Pohle Geo. H., 122 E 25th**
Polhemus, Mackenzie & Coffin, 15 E 40th
Pollard Geo. Mort., 347 5th av
**Poole Thos. H. & Co., 13 W 30th**
**Pope Jno. Russell, 527 5th av**
**Post Geo. B. & Sons, 101 Park av**
Post J. Otis, 101 Park av
Post Wm. S., 101 Park av
**Potter Howard N., 35 E 30th**
Potter Wilson, 22 E 17th
**Prager Raphael, 149 B'way**
**Provot George, 104 W 42d**
**Purdy W. S., 320 5th av**
**Putzel Jos., 29 W 34th**
Quinby Frank H., 99 Nassau
**Radford Architectural Co., 345 5th av**
Rahmann W. H. & Sons, 126 Cedar
**Rainbow John R., 9 E 40th**
Rappold Geo. W., 110 W 40th
**Rasmusseen & Wayland, 1133 B'way**
Reeves Hubert E., 103 Park av
Regelman Henry, 147 4th av
**Reh I., 320 5th av**
Reid Wilfred C., 122 E 32d
**Reiley Robt J., 477 5th av**
Reilly Paul C., 749 5th av
**Reissman Otto, 147 4th av**
**Renwick, Aspinwall & Tucker, 8 W 40th**
**Renwick Wm. W., 38 W 32nd**
Resler Richard, 501 5th av
Resnyk & Keller, 131 W 39th
Reynolds K. G., 5 W 16th
Rice Oran W., 8 W 40th
Rich Chas. A., 320 5th av
**Rich & Mathesius, 320 5th av**
**Richardson Wm. Symmes, 101 Park av**
Richter Chas. H., 39 Cort
Riddle & Riddle, 475 5th av
Rieser Ely J., 1st av & 28th
Rieser Solon J., 101 Park av
**Riggs John T., 105 W 40th**
**Rinderman Henry V., 1031 So blvd**
**Robertson T. Markoe, 331 Madison av**
**Robinson F. Delancey, 25th & B'way**
Robinson F. L., 50 E 42d
Robinson Gilbert, 546 E 182d
Rockart John R., 244 Madison av
Rockrise & Shiota, 366 5th av
Rockrise Thos. S., 366 5th av
Roeger Fred, 15 Park Row
Rogers H. Lincoln, Municipal bldg
Rogers Jas. Gamble, 367 Lexington av
**Rogers Pliny P., 477 5th av**
Rogers Wm. J., 50 E 42d
Rogers & Haneman, 50 E 42d
**Romeyn Chas. W., 55 B'way**
**Rooke Frank A., 15 E 40th**
Rosenblum Samuel, 51 Chambers
Ross & McNeil, 45 W 34th
Rossiter E. K., 15 W 38th
**Rossiter & Muller, 15 W 38th**
**Roth Emery, 119 W. 40th**
**Rouse & Goldstone, 512 5th av**
**Rowley John F., 477 5th av**
Ruhl John C. W., 3157 Hull av
Russell Wm. J., 73 W 46th
Santangelo L. B., 2364 8th av
**Satterthwaite Pennington, 345 5th av**
Savignano Ferd, 18 E 41st
Sawyer Philip, 50 E 41st
Schaefer Chas. Jr., 2853 3d av
Schaeffler Joseph C., 38 W 32d
**Scharsmith Jno. E., 523 W 146th**
Schefcik F. J., 788 E 175th
Scheier John H., 25 W 42d
Schell R. Montgomery, 67 Wall
**Schenck & Mead, 105 W 40th**
Schmidt Mott B., 347 Madison av
Schmitt Anthony F. A., 281 E 201st
**Schoen Eugene, 106 E 19th**
Schonewald Geo. A., Grand Cen. Term.
Schubert C., 366 5th av
**Schumann Chas. H., 280 B'way**
Schwartz Morris, 309 B'way
**Schwartz & Gross, 347 5th av**
Scopes & Feustmann, 15 W 38th
Scott & Prescott, 34 E 23d
Seaver W. P., Grand Cent. Terminal
Sedgwick Henry R., 244 Madison av
See Milton, 15 E 40th
Seelman Frederick G., 3983 Carpenter av
Sefert Clarence L., 2010 B'way
**Segal Nathan (& engineer), 577 8th av**
Seifert Karl F. J., 153 E 40th
Semsch O. F., 111 E 40th
Serracino Nicholas, 507 5th av
**Severence H. Craig & Van Alen Wm.,** 111 E 40th
Seymour A. D. Jr., 33 W 42d
Seymour Chas. H., Lexington av & 42d
**Seymour & Schonewald, Grand Cen. Term**
**Shape & Bready, 220 W 42d**
Shary William, 369 E 207th
**Sheinart Louis A., 194 Bowery**
Shepard Augustus D., 101 Park av
Sheres Chas., 460 E 10th
**Shire Edward I., 373 4th av**
Short Chas. W., Jr., 25 W 44th
**Shreve R. H., 52 Vanderbilt av**
Sibley Jos. T. Jr., 122 E 25th
**Silkworth Chas. E., Jr., 258 B'way**
Simberg A. J., 1541 Vyse av
**Simonson B. Hustace, 315 5th av**
**Slayter Chas. Keeler, 40 E 53d**
**Slocum S. Gifford, 101 Park av**
**Small Franklin M., 265 B'way**
Smallwood Robert F., 569 5th av
**Smith Bowen B., 104 W 42nd**
Smith Harold F., 38 W 32d
Smith Harry L., 1447 Longfellow av
Smith Henry A., 874 B'way
**Smith Lucien E., 2 W 47th**
Smith Oscar B. Jr., 501 5th av
**Smith Wm. Neil, 101 Park av**
**Sneden Arthur Durant, 149 B'way**
**Snook John B. Sons, 261 B'way**
Snyder C. B. J., 500 Park av
Sohn H. M., 452 5th av
Soldwedel & Tattan, 140 E 49th
**Sommerfeld & Steckler, 31 Union sq**
Spalding Melvin P., 351 Lexington av
Spannhake Otto L., 116 Nassau
Spelman Geo. F., 375 Fordham road
Springsteen Geo. W. Jr., 32 Union Sq
**Starrett & Van Vleck, 8 W 40th**
Stein Clarence S., 56 W 45th
Stemler & Kritz, 103 Park row
**Stenhouse, J. Armstrong, 681 5th av**
Stephenson Robt. S., 2 W 45th
**Stephenson & Wheeler, 2 W 45th**
Sterling Architectural Co., 212 B'way
**Stern Benj. E., 56 W 45th**
Sterner & Wolfe, 569 5th av
**Stever Arthur J., 55 Broadway**
Stillman Michael, 9 W 47th
**Stockton Louis L., 35 W 39th**
**Stoddart Wm. L., 9 E 40th**
**Stone Fred'k S., 55 B'way**
**Stoughton & Stoughton, 96 5th av**
**Strack Otto, 220 E 23d**
**Straub Chas. M., 147 4th av**
**Strong Mason R., 7 Wall**
**Strout Wm. A., 81 Fulton**
**Struthers Robt., 13 W 30th**
Suarey Diego De, 347 Madison av
**Sugarman M. H., 681 5th av**
Sullivant A. D. R., 4 E 43d
**Summerville F. M., 949 B'way**
Sutcliffe Arthur T., 111 E 40th
Swales Francis S., 51 E 42d
Swartburg B. Robert, 103 Park av
**Swartwout Egerton, 18 W 34th**
Swasey W. Albert, 101 Park av
**Tandy V. W., 1931 B'way**
Tatton H., 140 E 49th
Taussig Hugo, 507 5th av
**Taylor Alfred H., 138 W 65th**
Taylor & Levi, 105 W 40th
**Taylor & Mosley, 40 Wall**
**Teichman Robt., 20 Old Slip**
**Terwilliger D. W., 1 W 34th**
Terwilliger & Sohn, 452 5th av
**Thinnes Jacob Jr., 299 Madison av**
**Thomas Andrew J., 137 E 45th**
Thompson Wm. Stuart, 381 4th av
Tillack J. L., 150 Nassau
Tillion P. & Sons, 103 Park av
**Timmis & Chapman, 315 5th av**
**Tompkins John Almy, 20 W 43d**
**Tooker & Marsh, 101 Park av**
Torbent Vance W., 200 5th av
**Towner Wm. T., 366 5th av**
Townsend F. E., 280 Madison av
**Townsend, Steinle & Haskell, 1328 Broadway**
Tracy Evarts, 18 W 34th
Tracy & Swartwout, 18 W 34th
Trowbridge Alexander B., 25 W 44th
Trowbridge & Ackerman, 25 W 44th
**Trowbridge & Livingston, 527 5th av**
**Truex Fred'k M., 1170 B'way**
Tsuma Numa I., 366 5th av
Tubby Josiah Thomas, 143 Liberty
**Tubby Wm. B., 81 Fulton**
**Tucker Fitz-Henry Faye, 8 W 40th**
Tuthill Wm. Burnett, 185 Madison
Tuttle Bloodgood, 1 W 34th
**Tuzo Paul B., 122 E 25th**
**Upjohn Hobart B., 456 4th av**
Upton H. Desmond, 381 4th av
Van Alen William, 111 E 40th
**Van Auken Geo. H., 1265 B'way**
**Vander Bent T. J., 101 Park av**
Van Buskirk Harold, 110 W 40th
**Van Pelt Jno. V., 381 4th av**
**Van Vleck & Goldsmith, 111 5th av**
**Varian Bros., 400 Oliver pl**
**Varian Chester C., 741 E 232d**
**Varon David I., 309 B'way**
Very & Brown, 70 E 45th
**Very Samuel R. T., 70 E 45th**
Visscher Theo. C., 363 Lexington av
**Vitalo Frank E., 16 E 23d**
**Voelker John Ph., 979 3d av**
Volckening Walter H., 53 W 39th
**Wagner Stewart, 7 E 42d**
**Wald D. Everett, 1 Madison av**
**Walker & Gillette, 128 E 37th**
Walker Harry L., 19 W 44th
Walker Hobart A., 35 W 39th
Walker Russell Tracy, 52 Vanderbilt
**Walker W. Leslie, 103 Park av**
Walker & Ward, 52 Vanderbilt av
Wallis Frank E., 56 W 45th
Walther Bart. & John P., 103 E 125th
**Wandke W. G., 331 W 14th**
Ward Frank F., 256 B'way
Ward Leroy P., 52 Vanderbilt av
**Ware Arthur, 1170 B'way**
**Ware Jas. E. & Sons, 1170 B'way**
Warren Frederick B., 108 E 29th
Warren Harry E., 37 Liberty
**Warren & Clark, 108 E 29th**
**Warren & Wetmore, 16 E 47th**
Washburn Edward F., 101 Park av
**Watson John C., 271 W 125th**
**Webb Gregory B., 104 W 42d**
**Wehrlin Edw., 309 B'way**
**Weiher Lorenz F. J., 271 W 125th**
Welch Alex. M., 101 Park av
Wells Geo. H., 21 E 40th
**Wells J. Hollis, 32 Nassau**
Welsh Lewis E., 132 Madison av
**Werner & Windolph, 27 W 33d**
**Westervelt J. C., 36 W 34th**
Whinston B. H. & C. N., 2 Columbus Circle
Whinston Morris, 63 Park Row
Whitehead Russell F., 132 Madison av
Whitehill W., 32 Union Sq
**Whitfield Henry D., 160 5th av**
**Whiting Frank P., 103 Park av**
**Whiton Aug. S., 101 Park av**
**Wiegund W., 45 W 34th**
Wilbur Edwin, 507 5th av
**Wilder & White, 50 Church**
Williams Walter, 2 W 33d
Williams & Mahnken, 8 W 33d
Wilson Albert, 140 E 39th
**Wilson & Visscher, 299 Madison av**
**Witt Ferdinand, 569 5th av**
**Wohlpart Adolph P., 2 W 45th**
Wolff Herman, 432 4th av
**Wood Arthur W. B., 103 Park av**
**Wood Geo. E., 103 Park av**
Woodruff H. B., 333 4th av
Woodsend Hy E., 92 5th av
Woolsey Heathcothe M., 4 E 39th
Wright Frank A., 51 E 42d
Yewell J. Floyd, 7 E 42d
**York & Sawyer, 50 E 41st**
Young Harold L., 147 4th av
Zacharius A. H., 45 W 34th
Ziccardi Joseph, 336 Cruger av
Zimmermann A. G., 85 9th av
Zipkes Maximilian, 25 W 42d
Zipkes, Wolff & Kudroff, 25 W 42d
**Zobel Fred'k C., 35 W 39th**
Zoller H. P., 2738 Kingsbridge terrace
Zoller & Buchtenkirch, 1265 B'way

**Borough of Queens.**

ASTORIA—Braun Frank, 211 2d av
Fischer Geo. J., 406 12th av
Hewitt Chas. W., 604 Academy
Schiller V. (& Builder), 391 10th av
COLLEGE POINT—Fehn Sidney M.
CORONA—Card I. P.
Di Blasi Alfred
Johnson Robt. W.
McIntyre William M.
Schneider Ed.
Schoeller A.
Varrone Crescent L.
ELMHURST—Rose Edw.
Hendry C.
Thomas A. J.
Wells Geo. H.
EVERGREEN—Berger Louis & Co., 1652 Myrtle av
FAR ROCKAWAY—Cornell Jos. H., Mott av
Howard & Howard, O'Kane bldg
Smith Morrell, Bank bldg
FLUSHING — Cooper Gustave A., 75 Whitestone
Johnson Fred, 46 Prospect av
Kent Charles Nelson, 108 Jamaica av
Parsons Robert E., 371 B'way
Richardson A. Edw., 100 Amity
Wick Geo. W., 50 Locust
JAMAICA—Jeffery H. T. Jr., Butler bldg
Liebau Hans. Fulton
Simpson E. B., Hempstead Turnpike
Spaulding W. H., 34 Bergen av
Thomas Otto, 354 Fulton
LONG ISLAND CITY—Anstey A. D., 1 Bridge Plaza
Anslander Alfred, Queens
Baker John M., 9 Jackson av
Boese & Suter, Bridge Plaza
Chmelik Frank, 796 2nd av
George Edwin C., Woodhaven
Hahn Edward, Bridge Plaza
Hausman Nicholas W., Glen Cove
Knowles W. W., Bridge Plaza
Korfmann Fred'k W., 406 9th av
Perlstein Morriz, 49 Fulton, Middle Village
Stinesa H., Jr., 300 Grand, Maspeth
Worrall Wm. S., Jr., Bridge Plaza N
RICHMOND HILL—Crane Geo. E., 615 Stoothoff av.
Dean Harry, 1035 Curtis av
Hadler W. E., 1432 Lefferts av
Haugaard Henry E., Hillside Bank bldg
Jeffrey Henry T. Jr. (& Builders), Butler bldg
ROCKAWAY BEACH—Berrian Edwd., Hollands
Caplan Philip, 16 Court
Kennedy W. T. & Co., Division av
Powers J. P. Co., 558 blvd
Shirkey C. G., Division av
ROCKAWAY PARK—Boerum & Farrell
Hogan Wm. A. (& Builder)
Rothchild W. S.
Spring Harry J. & Co.

**Borough of Richmond.**

NEW DORP—Grunert James E., 2409 Rich. rd
PORT RICHMOND—Pelcher Harry W., Nat'l Bank bldg
Whitford E. K. (& Builder), 1457 Castleton av
STAPLETON—Loeffler Otto, 14 Jackson
TOMPKINSVILLE—Davies John, 177 Castleton av
Whitford James, S. I. bldg

**(End of New York City)**

NIAGARA FALLS—Cannon Will A., 311 Niagara
Lacey Carlos, Main & Niagara av
Larke Simon, 719 Main
Obenhack C. F., Gluck bldg
Phelps C. R., Gluck bldg
White J. R., Elderfield, Hartshorn bldg
Wright & Kremers, Gluck bldg
NORTH TONAWANDA—Johnstone Wm. O.
NORWICH—Cummings J. C.
Guard Roy
Hall Herman R.
NYACK—Buys Arthur Francis
Emery Henry G.
Smith E. Baldwin
OGDENSBURG—Williams & Johnson
Wilson Geo. E.
OLEAN—Brickell & Brickell (& at Bradford, Pa.)
ONEONTA—Epps Orlo
OSSINING—Applebee B. L.
OSWEGO—Cope L. Lynden
Seeber John H.
PALMYRA—Blaby Joseph H.
PATCHOGUE—Conklin Claude C.
Vrooman C. H.
PLATTSBURGH—Kalor Fred W. H.
Signor Ralph L.
PORT CHESTER—Ponty D. H., Jr.
Slater Howard P.
Ward W. A.
Wetmore W. S.
PORT HENRY—Curtis John B.
PORT RICHMOND—(See New York City, Borough of Richmond)
POUGHKEEPSIE—Beardsley Wm. J., 49 Market
Carpenter Du Bois, 45 Market
Smith Edward C., 39 Market
RENSSELAER—Gardiner Clarence H.
Shoemaker James D.
Teeling Walter W.
RHINEBECK—Decker R. A.
RICHMOND Hill—(See New York City, Borough of Queens)
RIVERDALE - ON - HUDSON — Baum Dwight J.
RIVERHEAD—Blume Edwin H.
Skidmore Geo. H.
ROCHESTER—Ade Carl C., 344 East av
Allen Truman A., 860 Dewey av
Arnold & Stern, East Av bldg
Barrows Chas. S., 344 East av
Block & Diemer, Mercantile bldg
Bragdon Claude F., Cutler bldg
Brazil & Drago, 62 State
Brockett F. A., Cutler bldg
Brockett & Wood, Powers bldg
Byers Robt. S., C. of C. bldg
Campbell W. A., Cutler bldg
Chrisp Hugh P., Cutler bldg
Corbett Lawrence, 129 Weld
Crandall Chas. F., E. & B. bldg
Dryer O. W., Cutler bldg
Eldridge C. W., Cutler bldg
Foote, Headley & Carpenter, Carter bldg
Foster & Gade, Sibley bldg
Fowler Fred H., 329 Garson av
Fuehrer, Wm. J., 129 Clifford av
Gordon & Madden, 300 Sibley blk
Hartman Albert, State
Hatton Horace T., Cutler bldg
Hirschfelder Chas. M., 62 State
Hutchinson & Cutler, Cutler bldg
Larzelere H. L., Mercantile bldg
Leggett Clarence F., 179 Troup
Lempert Leon H. & Son, Cutler bldg
McCord & Ives, Powers bldg
Monks G. R. M., 148 Weld
Montgomery G. S., 17 Main, E
Newkirk Clement R., Cutler bldg
Nurse Howard B., Cutler bldg
Oberlies Jos. H., Granite bldg
Platt J. Mills, Cutler bldg
Rees Glenn M., Granite bldg
Robb, John A., 16 State
Siegel Abram, 259 Baden
Stern Leon, Chamber of Com. bldg
Tyler Jas. R,, German Ins bldg
Upham & Stickney, Cutler bldg
Van Ingen Hendrik, Cutler bldg
Vickery John W., Sibley blk
Walker, Livingston & Brackett, E. & B. bldg
Warner J. Foster, Granite bldg
ROCKVILLE CENTER—Abrahms F. M., Bungert P. J.
ROME—Kirkland F. W.
Schillner G. C.
Stedman Geo. O.
RYE—Robinson Henry J., Jr.
SAYVILLE—Green Isaac H.
SARANAC LAKE—Schrader Geo. F.
Scopes & Feustman
Symonds Wm. H.
Westhoff & Distin
SARATOGA SPRINGS—Brezee & Mallory
SCARBORO-ON-HUDSON—Arnold Clinton S.
SCHENECTADY—Atkinson Edw. G., 434 State
Davis Ed. L., 159 Clinton
Heidrich Chas. A., 423 State
Mynderse W. T. B., Scotia
Obenhaus-Nichols Co., 208 S. Senter
SMITHTOWN—Potter, Robert Burnside, Antietam Farm
SPRING VALLEY—Eickoff O. S.
SYRACUSE—Adams, Norman W., 619 Summit av
Brockway A. L., Third Bank bldg
Conway Merritt C., 211 Furnam
Curtis C. M., 301 Tallman
Gaggin & Gaggin, University blk
Gillette Thurber J., 811 Park
Granger Merton E., 474 S Salina
Hallenbeck Earl, 307 Maple
Holden Benj. Edwin, City Hall
Howard Edw. A. & Son, Bastable bldg
King M. L., Snow blk
La Vaute N. H., 1st National Bank bldg
Mangin Thos. F., 332 S. Salina
Phoenix Harry D., Union bldg
Randall James A., S. A. & K. bldg
Revels Frederick W., Syracuse University
Taylor & Bonta, Gurney bldg
Wilsey Chas. D., S. A & K bldg
Wright Gordon A., City Bank bldg
TARRYTOWN—Blouin Jos. Jr.
Doyle Thomas, North Tarrytown
Russell Benton S.
TROY—Clark W. E., 506 Frear bldg
Cummings M. F. & Son, Natl. State Bank bldg
Demers & Mosley, Union Natl. Bank bldg
Fielding Harry P., 97 College av
Hatch Wm. W., 251 B'way
Lee Stanton P., 55 Third
Loth Edw. W., 253 B'way
Millman L. N., Stoll bldg
TUCKAHOE—Bennett R. A.
Kilthan Gustave
UTICA—Agne, Rushmer & Jennison, Arcade bldg
Bagg Egbert, Clarendon bldg
Berg Edward J., 223 Elizabeth
Decker Harry M., 609 B'way
Frank Walter G., Clarendon bldg
George Richard A., 69 Genesee
Gouge & Ames, 70 Genesee
Haberer Felix H., 1510 High
Hobbes Jno. A., Stewart bldg
Hubbard Melvin H., Paul bldg
Jackson G. Edwin, Clarendon bldg
Jones Harvey A., Georgitso bldg
Kiehm Chas. (Mill Archt), Gardner bldg
Kinne Linn, Mayro bldg
Stroebel Wm. L., Martin bldg
Williams T. H., 207 Bleecker
WATERLOO—Van Kirk M. L. & Son
WATERTOWN—Eaton & Brownell (Specialty Mills), Sherman bldg
Hamilton Geo. A., Jefferson Co. Bk bldg
Hunter Jno. D., 335 Sterling
Kieff D. D., 24 Flower bldg
Lansing A. F., Sherman bldg
Oliver Geo. D., 9 Dewey av
Skinner A. M., Roth bldg
Staege & Dewey, Charlebois Bros. bldg
WESTHAMPTON BEACH—Bishop Leonard H.
WHITE PLAINS—Brown Frank Horton
Greenfield Robt. A., 15 Court
Moore Jno. C.
Petry Louis M.
Swartwout Russell G.
YONKERS—Birmingham J. Edward, Warburton bldg
Brady Wm. M., 15 Alexander av
Briganti Domenico, Philipsburgh bldg
Brown Elliott L., 506 B'way
Carr Frank A., 69 Douglas av
Chamberlain G. Howard, 18 S B'way
Cowles Geo. S., 8 Getty sq
Garetner Otto, 339 Palmer av
Heaby Wm., 288 Hawthorne av
Katz Wm. P., 12 N B'way
Kirst J. Wilfred, 12 N B'way
Kodak Stephen J., 34 Warburton av
Phillips Frank, 79 Morningside av
Quick H. Lansing, 18 S B'way
Rayner Geo. & Sons, 13 Warburton av
Schonbach Anton, 18 S B'way
Snyder Wm. F. Radford bldg
Tait Wm. O., Rossmore av
Thorn Louis F., 18 S B'way
Van Suetendael Arthur J., 15 N B'way
Walsh Harold V., B'way cor. Shady la
Watson Jas A., 34 Warburton av

**NORTH CAROLINA.**

ASHEVILLE—Davis T. E.
East Wm. J.
Lord Wm Henry
Parker Chas. N., Electrical bldg
Smith & Carrier
CHARLOTTE—Asbury Louis H.
Biberstein R. C. (Mill Arch. & Eng.)
Bonfoey F. L.
Gordon Franklin
Hook Chas. C.
Hunter L. L.
McMichael J. M.
Peeps Wm. H.
Rogers W. G.

NORTH CAROLINA—continued
DURHAM—Linthicum Hill C. & H. Colvin
Rose Garland R.
ELIZABETH CITY—Kramer, J. B.
FAYETTEVILLE—Thain T. T.
GOLDSBORO—Boney Leslie N.
GREENSBORO—Armfield G. W.
Barton Harry
Brewer W. L.
Weston F. A.
HENDERSONVILLE—Stillwell Erle G.
HICKORY—Herman Q. E.
LEAKSVILLE—Hopper James C.
LOUISBURG—Davis M. Stuart
LUMBERTON—Russell J. M.
McIVER—Moorefield J. Frank
MT. GILEAD—Haywood Wm. T.
NEWBERN—Simpson H. W.
RALEIGH—Briggs Jno. D.
Keller H. P. S.
Kennedy J. M.
Salter J. A.
Simpson Frank B.
ROCKY MOUNT.—Perry Samuel E.
Stout, Jno. C.
SALISBURY—Ramsay John E.
SOUTHPORT—Rappleyea Geo. W.
WASHINGTON—Miller C. C.
WILMINGTON—Bonitz Henry E.
WILSON—Benton & Benton
Moore S. B.
WINSTON-SALEM—Hendricks G. C.
Hill J. R.
Humphreys C. Gilbert
Keeney, H. M.
Northrup & O'Brien

## NORTH DAKOTA.

BISMARCK—Keith Fred W.
Van Horn & Loven, 209 7th
DEVILS LAKE—Shannon J. A.
FARGO—Crabbe S. F.
Gillespie W. D.
Hancock Bros.
Kurke W. F.
GRAND FORKS—Bjorge Chas. N.
Edwards W. J.
Kech Bert D.
Ross W. H.
Winslow Harold E.
MANDAN—Ressler Nick
VALLEY CITY—McFarland E. H.

## OHIO.

AKRON—Boenisch & Kraus, Ohio bldg
Cooley C. D. Co., 265 Bowery
Fichter & Brooker, 2 Nat'l Bk. bldg
Frank, Wagner & Mitchell, Permanent Title bldg
Ginther Wm. P., Everett bldg
Haglock Fred W., Akron Sav. & Loan bldg
Harpster & Bliss, Nantucket bldg
Henry & Murphy, 2d Nat'l Bk bldg
Lauer M. P. Hamilton bldg
Mantz N. A., 234 Spicer
Trowbridge & Ackerman, Ohio bldg
Weary F. O., E. Market
Weise "Nborn" Ralph, 645 N. Howard
ALLIANCE—Matchett W. W.
ASHTABULA—Wilson John L.
BARNESVILLE—Patterson B. C.
BELLEFONTAINE—Shawver John L. & Bros.
BOWLING GREEN—Minor W. H.
Stewart S. P. & Son
Strong L. T.
BREMEN—Ricket C. W.
BRIDGEPORT—Lindsay James
BUCYRUS—Unger William
CAMBRIDGE—Orr Jno. F.
Petrikin J. G.
CANTON—Dawson Wm. P.
Firestone Charles E. Co.
Herrman Edmund
Tilden Guy & Son
Wagener H. J.
CELINA—Vonder Horst Jos.
CHILLICOTHE—Baach Fred W., 11 Miller bldg
Schweitzer John
CINCINNATI—Baldwin Bert L., 2nd Nat'l Bank bldg
Bodenstein & Surmann, 405 2nd Nat'l Bank
Burroughs G. C. & J. H. Deeken, Union Trust bldg
Cordes H. W., Union Trust bldg
Crowe Robt. E., Gerke bldg
Davis David, 1st Nat'l Bank bldg
De Camp Benj. C., 701 Gerke bldg
Dittoe, Fahnestock & Ferber, Carew bldg
Drach Gustave W., Union Trust bldg
Elzner & Anderson, Citizens' Nat'l Bk. bldg
Fahnestock L. W., 18 W 7th
Fechheimer A. Lincoln, Union Trust bldg
Ferber C. H., 18 W 7th
Fisher Martin, 2156 Central av
Foster C. M., 112 E 4th
Franklin Ward, 901 Gerke bldg
Garber & Woodward, Union Central bldg
Gilmore Jas., Gerke bldg
Godley S. S., Neave bldg
Grunkemeyer John C., 3717 Eastern av
Hake Harry, Telephone bldg
Hannaford S. & Sons, Hulbert blk
Hooper Henry N., Neave bldg
Kruckemeyer Edwd. H. & Chas. R. Strong, St. Paul bldg
Kunz Anthony, Jr., 955 W. Court
McClory Howard, 4th Natl. Bk. bldg
Pfeiffer Philipp, 10 E McMillan
Price Harry M., Union Cent. bldg
Rendins, Panzer & Martin, Palace Theatre bldg
Rettig Martin, 118 E 4th
Rueckert Jacob J., Blymyer bldg
Sax Moritz, 4th Nat'l Bank bldg
Schmitz Harley C. & J. J. (& Builders), 3344 Observatory rd (Hyde Park)
Schwartz Oscar, Provident Bank bldg
Sheblessy J. F., Lincoln Inn Court
Skinner Chas. W., 2d Nat'l Bk. bldg
Spillman Herbert, Merc. Library bldg
Steinkamp Jos. G. & Bro., Mercantile Library bldg
Stewart Jas. R., W 519 Main
Strong Chas. R., St. Paul bldg
Tietig & Lee, Fourth Nat'l Bank bldg
Weber C. C. & E. A., Natl. Bk. bldg
Werner & Adkins, Mitchell bldg
Wilson L. H., 10 W 4th
Zettel & Rapp, Mercantile Library bldg
CLEVELAND—Albrecht, Wilhelm & Kelly, 1836 Euclid av
Babcock & Penton, Penton bldg
Best Karl I. & Co., 6523 Euclid av
Bohm G. B., Williamson bldg
Bohnard & Parsson, Euclid bldg
Briggs & Nelson, Rose bldg
Caldwell Walter G., Williamson bldg
Cameron James L., 10406 Euclid av
Cefaratt D., Columbia bldg
Coghlan F. J., Union bldg
Cone Harry A., Schofield bldg
Corbusier J. W. C., Lennox bldg
Dercum & Beer, 4500 Euclid av
Di Camillo Raymond C., 8101 Dorver av
Dyer J. Milton, American Trust bldg
Eisenmann John, The Arcade
Fulton & Taylor, Hippodrome bldg
Garfield Abram, Garfield bldg
Greene Robinson, Williamson bldg,
Greco Chas. R., Guardian bldg
Grieble & Ebeling, E 11th & Chestnut av
Hamilton H. R. P., Guardian bldg
Hammond Geo. F., 4220 Prospect av, S. E.
Harris Alf. W., Schofield bldg
Hatch Edw. G., 859 Lakeview road
Hinsdale Reynold H., 604 Bangor bldg
Hirsch Willard, 1900 Euclid av
Hopkinson Chas. W., Rose bldg
Howell & Thomas, 2032 Euclid bldg
Hradilek Henry, Park bldg
Huberty Ernest, 8017 Whitethorn av, N. E.
Hubbell & Benes, 4500 Euclid av
Ingraham Geo. Hunt, Guardian bldg
Kalsch John, 4500 Euclid av
Knox & Elliott, Rockefeller bldg
Koehl Wm., Park bldg
Lahr W. B. & Co., Lennox bldg
Lamb Thos. W., 1323 Euclid av
Lehman & Schmitt, Electric bldg
Lougee Wm. S., Marshall bldg
Luzius P. H., 4 Erie bldg
Matzinger Paul, Caxton bldg
Mauer Herman W., Schofield bldg
Meade F. B. & J. M Hamilton, 1002 Garfield bldg
Miller J., 10111 Euclid av
Miller J. M., Old Arcade bldg
Mills & Millspaugh, Marshall bldg
Minor Theo. C., 10417 Ostend av
Mooney Wm. J., 12514 Detroit av
Morse H. M. & Co., Citizens bldg
Nicklas Wm. H., 1900 Euclid av
Osborn Engineering Co., 2848 Prospect av S E
Oviatt A. N., Citizens bldg
Peal R., 12429 Cedar road
Pennington Chas. S., 14707 Lake av
Platt Chas. A. E., 14th & Euclid av
Post Geo. B. & Sons, Schofield bldg
Powell Wm. R., 705 Rose bldg
Potter J. Ellsworth, Leader-News bldg
Riley Michael, Lennox bldg
Sabin Wm. Warren, 1900 Euclid av
Schafer W. J., Spencerian bldg
Schmitt W. J., 9827 Lorain av
Schneider Chas. S., 2248 Euclid av
Schneider Edwin J., Cuyahoga bldg
Schweinfurth Chas. F., 4500 Euclid av
Shimmin Harlen E., 2031 Euclid av
Shupe Harry L., Marshall bldg
Skeel Albert E., 4500 Euclid av
Smith Bros., Rockfr. bldg
Smith Edward E., Williamson bldg
Smith Walter H., Union bldg
Sogg Allen, Hippodrome bldg
Sprackling A. E., Caxton bldg
Steffens & Steffens, Williamson bldg
Stoddard & Hopkins, 1739 Euclid av
Striebinger Frederic W., 1900 Euclid av
Tousley Chas. E., 4500 Euclid av
Walker & Weeks, 1900 Euclid av
Walsh Henry A., Lennox bldg
Warner Franz C., Hippodrome Annex
Watterson Wm. R., Guardian bldg
Watts & Craig, Guardian bldg
Weis Max H., Union bldg
Weis S. H., Schofield bldg
Whitworth & Johnston, Engrs. bldg
Wolf A. C., Swetland bldg
Wright & Hohl, American Trust bldg
COLUMBUS—Architectural Service Co., The, 165½ N High
Babbitt Edw. F., Hayden bldg
Bank Designing Co., Clinton bldg
Corbett Miss Ella M., Hayden bldg
Darst Otto C., Brunson bldg
Eiselt Henrich E., 60 E Broad
Glass & Austin, Grand Theatre bldg
Mills & Millspaugh Co., 67 E Long
Mills, Wilbur T., 65 E Long
Outcalt Ramsey, 151 E Broad
Packard F. L., New Hayden bldg
Pruitt Edw. E. & Co., 209 S High
Richards, McCarty & Bulford, 584 E Broad
Rusk F. S., 16 S 3d
Snyder Ralph, Hayden bldg
Todhunter H. H., Hayden bldg
DAYTON—Dexter & McCluer, Canby bldg
Dexter & McCluer, Canby bldg
Gage & Gemin, 220 E 6th
Gebhart & Schaeffer, U. B. bldg
German Howard W., Schwind bldg
Griffith Harry C., Canby bldg
Jaekle W. L., U. B. bldg
Mountstephen Edw. J., U. B. bldg
Peters, Herman & Brown, Reibold bldg
Pretzinger Albert & E. P. Musselman, Reibold bldg
Rossell R. G., 610 Schwind
Schenck & Williams, Mutual Home bldg
Sutter Frank L., Louis blk
Thies & Thies, Davies bldg
Tompert Walter W., Day Sav. & Tr. bldg
Walker Geo. R. & Co., Conover bldg
Weis Frank J., 1126 Lindsey
Williams Chas. I., 809 Grand av
DEFIANCE—Hale J. I.
DELAWARE—Schureman D. S. & Son
EAST LIVERPOOL—Martin J. B.
Metsch Cassius M.
EATON—Barrett Thos. A.
ELYRIA—Beal Earl E.
Rissmann Paul A.
Silsbee J. R.
FINDLAY—Forgeson J. & Son
Horn Geo. J.
FOSTORIA—Smith F. M.
FREDERICKSTOWN—Bradrick W. S.
FREMONT—Shilvey S. H. & R. H.
GALION—Jones Harlan
HAMILTON—Barkman Geo.
Mueller Fred'k G.
IRONTON—Morgan Evan
Murray Ralph
KENTON—Strong Paul K.
LANCASTER—Crooks R. E.
Getz W. F.
Older G. B.
LIMA—De Curtins Andrew
Leech & Leech
McLaughlin & Hulsken
Walt M., De Kalb Co., 404 Holland block
LOGAN—Magoon M. A.
LORAIN—Ellis C. C.
Ford Hamilton E.
Rissman Paul A.
Wurmser H. O.

MANSFIELD—Althouse & Jones
Conklin Chas. W.
Hursh Jos. & Son
Redding Vernon
MARIETTA—Hovey Geo. Walter
MARION—Ellis J. Lewis
Sloan J. J.
Zachman Ezra B.
MARTIN'S FERRY—Brown W. N.
MARYSVILLE—McCann E. G.
Weidman Bros.
MASSILLON—Herrmann Edmund
Wilhelm Karl E.
METAMORA—Young William & Son
MIDDLETOWN—Oeden Carl E.
MONTPELIER—Carpenter O. A. (& Bldr)
NEWARK—Hawkins O. J.
Patton Wm.
NEW PHILADELPHIA—Lewis J. E.
NILES—Souder C. P.
PAINESVILLE—Downer Frederick N.
PIQUA—Bowdle C. F.
PORTSMOUTH—De Voss W. A.
RAVENNA—Greene J. W.
SANDUSKY—Millott & Parker
Shively R. H.
SIDNEY—Doran Jas. W.
Landenbach H. L.
SPRINGFIELD—Gotwald Robert C., Gotwald bldg
Hall & Lethly, Fairbanks bldg
Shilling Wm. K., Fox Hollow Farm on S., T. & P. Ry
STEUBENVILLE—Peterson & Clarke
TIFFIN—Ernst Chas.
Netcher George W.
TOLEDO—Aftel Sidney E., Ohio bldg
Bates & Gamble, Close Realty bldg
Becker Bernhard, Gardner bldg
Drolet Emmet A., Summit & Cherry Market bldg
Fallis E. O., The Nasby
Hahn Alfred A., Close Realty bldg
Huber Jos. C. Jr., Nasby bldg
Huber Thos. F., Spitzer bldg
Langdon & Hohly, Nicholas bldg
Mills, Rhines, Bellman & Nordoff, Ohio bldg
Rheinfrank G. B., Gardner bldg
Stine David L. & Son, The Valentine
Stophelt Manfred M., Nasby bldg
Taylor & Main, Nasby bldg
Thal Ed., Nicholas bldg
Thurstin W. G., Spitzer bldg
Wachter H. W., Close bldg
TROY—Shilling W. Walter
WAPAKONETA—Uhler J. N.
WARREN—Davis, J. W.
Keich, R. J.
Sidells Byron T.
WASHINGTON COURT HOUSE—Hicks J. Howard
Sanders Wm.
WILMINGTON—Shepherd & Son
XENIA—Heaton Jno.
Owens H. W.
YOUNGSTOWN—Boucherle L. & Son. Stambaugh bldg
Dalleske A. C. & Co., Federal bldg
Ford H. L., 314 W Wood
Hundley J. B., Stambaugh bldg
Kling & Zenk, Davis blk
Miller & Son, Dollar Savings Bank
Owsley C. F., Mahoning Nat'l Bank bldg
Smith J. H., Home Sav. & Loan bldg
Stanley & Scheibel, Wick bldg
Thompson E. R., Home Sav. & Loan bldg
Vaughn George, Diamond block
ZANESVILLE—Handshy C. E.
Meyer Harry C.

## OKLAHOMA.

AFTON—Bast W. H.
ALVA—Green Cyrus P.
ARDMORE—White J. B.
BARTLESVILLE—Babcock L. H.
Everman Walton
CHICKASHA—Larson L. P.
Macklin & Faught
DURANT—Hicks Jewell
Jewett A. B.
EL RENO—Riley W. H.
ENID—Shaw R. W.
McALESTER—Walsh J. J.
MUSKOGEE—Dawson Charles W.
Hardin M. T.
McKibban E. E.
Valeur H. O. & Co., Phoenix bldg
NEWKIRK—Jenkins Charles B.
OKLAHOMA CITY—Bailey & Bailey, Lawrence bldg
Bramblet & Huseman, Oklahoma bldg
Coady Edward, Scott Thompson bldg
Hair C. E. & Co., Terminal bldg
Hawk J. W., Security bldg
Layton & Smith, Majestic bldg
Schmidt W. T., 1625 W 10th
Weathers P. H., 605½ W California av
SAPULPA—Griffith Wm. M.
Popkin Charles Adrian
SHAWNEE—Davis A. C.
Peters E. J.
TULSA—Cross M. C.
Curtin J. P.
Duggan F. A.
Eichenfeld Daniel
Mahler H. H.
Robb J. W., 1114 S Boston
Ruggles L. H.
Rush E. & Rush
Starr Jno. V.
Thompson J. C.
Vansicien W. D.
Winkler Geo.

## OREGON.

ALBANY—Burggraf C. H.
Jenkins A. C.
ASHLAND—Smith O. Everett
ASTORIA—Bartlett R. R.
Gendron A. D.
Himebaugh, C. M.
Wicks J. E.
BAKER—Bond H. W.
CORVALLIS—Dobell R. H.
EUGENE—Bean O. R.
Hensil Y. D.
Hunzicker John
FOREST GROVE—Starrett F. M.
HERMISTON—Frick Howard A.
LA GRANDE—Slater John L.
LEBANON—Crandall A. I.
Kammerer Edward W.
MARSHFIELD—Chandler W. G.
Magnusson Fred.
Ostlind Benjamin
MEDFORD—Power Chas. O.
NORTH BEND—Griffin A. J.
PENDLETON—Howard Theo. F.
PORTLAND—Askwith, H. A., 292 E. 43d
Bailey L. R. & Co., N. W. Bk. bldg
Bennes John V., Chamber of Commerce bldg
Bonthron Jas., Beck bldg
Bowman F. E. & Co. (& Builders), Comcl. Club bldg
Bridges & Webber, Chamber of Commerce bldg
Browne P. Chappel, Mohawk bldg
Callahan M. J., Panama bldg
Camp & Du Puy, 426 E Alder
Carpenter N. A., 200 E 13th
Carter L. D., 287 Salmon
Clark J. B., Henry bldg
Claussen & Claussen, Macleary bldg
Dautoff J. D., Stock Exch. bldg
Deveroux Valentine, 345½ Washington
Dittrich Henry C., Worcester bldg
Downing W. H., Railway Exchange
Doyle A. E., Worcester bldg
Duke C. A., Failing bldg
Dunham G. F., N. W. Bk. bldg
Eastman G. A., Lewis bldg
Ertz C. W., Pittock blk
Ewart A. C., Beck bldg
Fancher H. M. & Co., Panama bldg
Goodrich & Goodrich, Abingdon bldg
Gould A. H., Henry bldg
Houghtaling & Dougen, Henry bldg
Hundley J., Pittock blk
Jacobberger, Board of Trade
Johnson Folger, Esq., 693 Marshall
Jones T. J., 334 E 3d
Kleemann Otto, 155 E 14th
Knighton W. C., Tilford bldg
Kroner Ernst, Worcester bldg
Kuhne Paul, 165½ E 33d
Lawrence & Holford, Chamber of Com.
Lazarus Edgar M., Chamber of Com.
Lewis D. C., Couch bldg
Lewis, Ion, Wilcox bldg
Lucius & Martain, Lewis bldg
McClaran E. E., Lumber Exchange
Maclure A. J., Lewis bldg
MacNaughton & Raymond, Concord bldg
Miller E. A., 1816 Royal av
Morgan W. L. (& Builders), Morgan bldg.
Murray L. W., 120 E 14th
Naramore F. A., University Club
Neer Delos D., Spalding blk
Parker & Banfield (& Builders), Columbia bldg
Peterson S. C., 445 E. 58th
Pipes N. H., Henry bldg
Rich Charles C., Corbett bldg
Roath R. J., Mohawk bldg
Robbins C. C., Ainsworth bldg
Roberts Earl A., Selling bldg
Root & Kerr, Henry bldg
Schacht Emil & Son, Commonwealth
Schacht-Martin, Pittock bldg
Sharp F. K., Selling bldg
Smith Alfred H., Esq., Bd. of Trade bldg
Smith & Griffiths, Gerlinger bldg
Starbird W. D., Spalding bldg
Stokes & Zeller Co., Chamber of Commerce bldg
Sutton & Whitney, Lewis bldg
Tegen R. F., Morgan bldg
Thomas Lee A., Selling bldg
Thompson Lewis I., Central bldg
Tourtellotte & Hummel, Rothschild bldg
Wallwork C. H., Oregon bldg
Watkins & Son, 94 E 11th
Wessel Richard F., Pittock blk
Whidden & Lewis, Wilcox bldg
White F. Manson, Chamber of Commerce
Whitehouse & Fouilhoux, Ry. Exch. bldg.
Whitney Harrison A., Lewis bldg.
Williams D. L., Cham. of Com. bldg
Williams E. Francis, Alisky bldg
Williams H. A. McKay bldg
Wilson John G., 263½ Yamhill
Wrenn Werner, Lewis bldg
ROSEBERG—Holmes Bert
SALEM—Legg Fred A.
Post Geo. M.
SHERWOOD—Watkins S. E. & Sons
THE DALLES—Crandall C. J.

## PENNSYLVANIA.

ABINGTON—Curtis Henry Loomis
ALLEGHENY—(See Pittsburg)
ALLENTOWN—Cassone Joe H., 506 Hamilton
Jacoby & Weishambel, Commonwealth bldg
Moyer Tilghman H., 824 Hamilton
Pickin Ephraim M., Hunsicker bldg
Reilly John W., 802 Hamilton
Ruhe & Lange, 10 N 6th
ALTOONA—Bushman Thomas
Hersh & Hersh
Miliard Julian
Puderbaugh D. Geo.
Sholler F. J.
AMBRIDGE—Hill Robt. H.
Lord Herman A.
ARDMORE—Haws Harvey
Mason George C.
AVALON—Rosseau S. L.
BELLEFONTE—Cole Robert
BELLEVUE—Vandevort R. G.
BERWICK—Sitler C. E.
BERWYN—Allen Geo. W., West Orchard Way, in Dir.
Andrews Chas. M.
BETHLEHEM—Shulz Arthur P.
Wiegner H. J.
BLOOMSBURG—Hower Henry
BOALSBURG—Boal Theodore Davis, Centre Co.
BRADDOCK—Rankin Jos. H.
Richards S. C. & Co.
Yost D. S.
BRIDGEVILLE—Rehman August
BROOKVILLE—Carr John & Son
BUTLER—Johnson O. C.
Kline Geo. W. (& Contr. Engr.).
CHAMBERSBURG—Rhoads M. R.
CHARLEROI—Brenton Jos. C.
CHESTER—Farnum Jas. J., Sr.
CLEARFIELD—Chapline John
COATESVILLE—Kerns & Carroll
COLUMBIA—Paules G. E.
COOPERSBURG—Jordan Grenaah
CORRY—Mount A. P. & Son
DANVILLE—Brugler J. H.
DEVON—Rogers T. Mellon
Thorne H. K.
DONORA—Compton C. C.
DORRANCETON—Marcy Geo. L.
DOYLESTOWN—Histand H. H.
Martin A. O.
DRAVOSBURG—Whitaker C. L.
DUBOIS—Harrington & Howard
Overdorf Wm. H.
DUNMORE—Hartman Albert
EAST STROUDSBURG—Hoffman Graydon
EASTON—Michler Wm. M.
Morgenstern Geo. A.
Shnyder J. M.
Weitzenfeld J. J.
Wenzelberger E. H.
ERIE—Cody C. Paxton, Marine Bank bldg
Frank Wm. F., Scott bldg
Irvin, Richard & Co., Commerce bldg

PENNSYLVANIA—Erie—continued
Kirby Clement S., Baker block
Schotte Armin, Marine Bank bldg
**Shutts & Morrison, Marine Bank bldg**
Yard J. W. & Son, Penn bldg
ESPY—Hughes D. E.
FALLS CREEK—Lukehart A. L.
FARRELL—Decker J. L.
Johnson H.
FRANKLIN—Brady S. D.
Brakeman Harvey
GETTYSBURG—Crowe J. H.
GLENSIDE—Hammer Harry G.
Yerkes H. V.
GLENOLDEN—North Wm. F.
GREENSBURG—Bartholomew Paul A.
Nelson Edward J.
Sloan W. G.
Truxell Geo. H.
HANOVER—Hosteter O. H.
Myers I. M.
HARRISBURG—Bair M. N., 1911 Derry
Fahnestock Frank G., Jr.
Grove Geo. H., 213 Walnut
Hamilton Thos. H., 11 N. Market sq
Kain C. H., Arcade Bldg
Kast M. I., Commonwealth Tr. bldg
Kelker Thos. M., 16 N 2d
Lloyd C. Howard, Telegraph bldg
Markley R. R., Patriot bldg
Shoop Henry B., 14th & Walnut
HAVERFORD—Hastings T. Mitchell, Shadycroft
HOMESTEAD—Rowlands John C.
Wickerham Adam G.
JACOBUS—**William Charles A.**
JENKINTOWN—**Mayo Frank H.**
JOHNSTOWN—Adams J. E.
Layton J. R.
Myton W. R.
Powell W. S.
Rogers Henry M.
Wild Geo.
KITTANING—Rairigh O. C.
LANCASTER—Bartholomew H. M., 39 E. Grant
**Evans Melvern R., 10½ E Orange**
Harman John B., 48 N Queens
Rothenberger Daniel M., 140 N Queen
**Shaub Henry Y., N Queen & Chestnut**
Urban C. Emlen, Woolworth bldg
LANSDALE—Bean M. B.
Conver S. S.
LANSDOWNE—Hoopes J. Willard
Lewis Edwin B.
Pedrick Harry Morrison
Salter Edw. D.
Taylor Walter L.
LATROBE—Slack P. S.
LEBANON—Boyer Geo. H.
Hauer & Mowere (& at Philadelphia)
LEWISTOWN—Montgomery Harry B.
LOCKHAVEN—Ball Charles
Blesh Alex
Tidlow Cliff
**McKEESPORT—Lindemans Henry J.**
Lohman H J.
**Moffitt Charles R.**
MAPLE GLEN—Mullen Wesley
MAUCH CHUNK—Prutzman M. G.
MEDIA—Flounders Newton
MIDDLEBURG—Stetler J. H.
MILLERSBURG—Douden Wm.
MONESSEN—Beall J. M.
Lohman J. A.
MONONGAHELA—Keller Frank F.
Yohe Geo. W.
MORRISVILLE—Stockham T. B.
MOUNT CARMEL—Strauser Clayton E.
**NEW CASTLE—Eckles W. G.**
**Foulk Frank H.**
Thayer & Thayer
**Wirsing H. M.**
NEW KENSINGTON—Easton Thos. G.
Laughlin Wm. J. (& Builder)
**Nichols Bro.**
NEWTOWN—Chamberlin James B.
NORRISTOWN—Boggs Edw. T.
Grater Ursinus
Henricks C. R.
NORTH WALES—**Jarrett Chas. L.**
**NORWOOD—Boekenkamp E. G. Sr.**
OIL CITY—**Bailey E. E. Co.**
**Brenet Joseph P.**
PHILADELPHIA—Abel Victor D., 112 S 16th
**Adams A. M., 1012 Walnut**
**Adams Clyde S., 1509 Arch**
Anderson & Co., Franklin bldg
**Baily & Bassett, 421 Chestnut**
**Balderston Chas., 411 Walnut**
Ballinger & Perrot, n w cor 17th & Arch
Barnes Amos W., 1507 Arch
Bassett David B., 418 Perry bldg
Baum Geo. C., 1511 Arch
Berger Carl P., S. Penn sq bldg
Bissell & Sinkler, Otis bldg
**Blithe Wesley L., 608 Chestnut**
**Boggs Edw. T., 136 S. 4th**
Bolton Chas. W., Witherspoon bldg
Borie C. L. Jr., 112 S 16th
Borzner Andrew C., 717 Walnut
Boyd D. Knickerbocker, 112 S 16th
Boyd Lawrence V., Harrison bldg
Brockie Arthur H., 1713 Sansom
Brumbaugh G. Edwin, Rl. Est. Tr. bldg
Bunting & Shrigley, 603 Chestnut
Caldwell Francis G., Stephen Girard bldg
**Carlin John J., Drexel bldg**
Caspar Chas. H., n w cor 11th & Market
**Casselman Paul L., 1215 Locust**
Castor Horace W., Stephen Girard bldg
**Chance Geo. Whitefield, Harrison bldg**
Chandler T. P., 112 S 16th
Coneys Jno. L., Drexel bldg
**Cooke Jos C., 34 S 17th**
**Davis S. & Paul A. 3d, 1713 Sansome**
Day & Klauder, 925 Chestnut
De Armond, Ashmead & Bickley, Franklin Tr bldg
Dreher, Churchman, Paril & Ford, 1424 Walnut
Druckenmiller & Williams, 1537 Chestnut
Duhring & Ziegler, Bailey bldg
Durang Ferdinand F., 1220 Locust
Durham Bros., 26 S 15th
Dyer W. E. S., Land Title bldg
Edmunds Franklin D., Real Est. Tr. bldg
Edwards E Nelson, 1012 Walnut
Edwards Engng Co., 18 S 7th
Evans & Warner, Witherspoon bldg
Eyre Wilson, 1003 Spruce
Fetterolf Edwin H., 1524 Chestnut
Fielding Mantle, 518 Walnut
Fieldstein J. Ethan, Penfield bldg
Folsom & Stanton, 1328 Walnut
Frank J. H., Real Est Tr bldg
**Franklin & Co., Crozer bldg**
**Furber Wm. C., 418 Walnut**
Furness Evans & Co., Franklin Bank bldg
**Gardner Clarence, 925 Chestnut**
Gilchrist Edmund B., 1627 Sansom
Gill Arthur B., **Heed bldg**
Graham John, Jr., S 15th
Greisler Abramson & Co., Lafayette bldg
Haggas Edwin L., Drexel bldg
**Hahn Frank E., 1112 Chestnut**
Hammond Harold, Stephen Girard bldg
Harris & Richards, Drexel bldg
Hastings T. Mitchell, 1713 Sansom
Hauer Harvey T., 3110 Columbia av
**Heacock & Hokanson, Bailey bldg**
Henon Parel T., Jr., Fuller bldg
**Herold Otto, 2536 N 33d**
Hewitt & Ash, 520 Walnut
Hewitt & Granger, Bullitt bldg
**Hillman Chas. L. & Son, Provident bldg**
Hulme Norman, 1524 Chestnut
Idell Geo. S., 34 S 16th
Jackson Wm. E., 1003 Spruce
**Jefferis Joshua C., 1001 Chestnut**
Johnson Lindley, Harrison bldg
Karcher & Smith, 34 S 17th
Keen C. Barton, 1218 Chestnut
Kelsey Albert, Perry bldg
Kevorkian Stephen A., 23 S 52d
Koenig Franz C., 4920 Parkside av
**Lacey Adin Benedict, 1012 Walnut**
Lachman & Murphy, Drexel bldg
**Letzgus Anton A. Jr., Bailey bldg**
**Levi Louis, Real Estate Trust bldg**
Lewis Stanford B., Stephen Girard bldg
Lippincott Thos. B., 1505 Arch
Loos Richard C., 1017 Chestnut
Lovatt George I., 416 Walnut
Luffbarry Andrew, 547 Drexel bldg
McGoodwin Robt. R., 1422 Walnut
McIlvain & Roberts, 112 S 16th
McMurtrie Harry G., 1012 Walnut
McNeill Henry T., 331 S 13th
Mackenzie & Wiley, 806 Liberty bldg
Magaziner & Eberhard, 603 Chestnut
**Martin & Kirkpatrick, 130 S 15th**
Megrail Alfred H., Stephen Girard bldg.
Mellor & Meigs & Howe, 205 S Juniper
Merz Phillip, Penn bldg
Miller Herman, Crozer bldg
**Miller T. Frank, 1012 Walnut**
**Mills & Van Kirk, Harrison bldg**
Monaghan Paul, Bailey bldg
**Morris & Erskine, Crozer bldg**
**Moses Arnold H., 136 S 4th**
Neff Conrad F., Otis bldg
Neubauer Stanley K., 1118 Chestnut
Newbery William F., Otis bldg
Nicholson Arthur L., Perry bldg
**Nolan Thomas, University of Penn.**
Oelschlager Chas. E., 1615 Walnut
Okie R. Brognard, Crozer bldg
Parker H., 129 S 5th
**Parry Oliver R., 1631 Chestnut**
**Paxson Edward S., 729 Walnut**
**Peddle Chas. R., 136 S 4th**
Peuckert & Wunder, 310 Chestnut
**Phillips Watson K., 430 Walnut**
**Plack W. L., 1208 Chestnut**
Pollock Robt. W., & Rust E. G., 1802 Chestnut
Potter Wm. Woodburn, 603 Chestnut
Price Thornton W., Franklin bldg
**Price & McLanahan, 1418 Walnut**
Price Walter F., 138 S 4th
**Prichett Wm. C., 416 Walnut**
Priest Ralph N., 1627 Sansom
Purcell William Gray, 414 N 3rd
Rabenold Chas. F., Weightman bldg
**Rahn C. E., 410 Walnut**
**Rankin, Kellogg & Crane, 1012 Walnut**
Reinhold Henry L. Jr., 1309 Walnut
Ritter & Shay, North American bldg
Ritter V. T., 517 N. Am. bldg.
Roberts Spencer, S 18th
**Rommel Frank A., Weightman bldg**
Rothschild Le Roy B., 1225 Sansom
Savery Addison H., Stephen Girard bldg
Savery & Scheetz, St. Girard bldg
**Schenck Albert E., Real Est. Tr. bldg**
**Schermerhorn Clarence E., 430 Walnut**
Sears Thos. W., 1424 Walnut
Seeburger Frank, Weightman bldg
**Seeler Edgar V., 101 S Juniper**
Sharpley W. W., 1713 Sansom
Shay Howell Louis, North Amer bldg
**Shirk J. C. M., 421 Chestnut**
Simon & Simon, 249 S Juniper
**Smedley Walter, Stephen Girard bldg**
**Smith Chas., 411 Walnut**
**Smith W. Frisbey, 1345 Arch**
Stackhouse Rex H., 129 S 5th
Stearns & Woodnutt, Stephen Girard bldg
**Stewardson & Page, 316 Walnut**
Street J. F., 129 S 5th
Stuekert & Co., Crozer bldg
Tilden Marmaduke, Jr., 1627 Sansom
**Tilden & Register, 1713 Sansom**
**Tourison Bart, Land Title bldg**
**Trumbauer Horace, Land Title bldg**
Tunic & Genther, 1531 Real Estate bldg
**Tyre Philip S., 1509 Arch**
Uezzell Frederick T., 717 Walnut
**Valentine Anthony P. Jr., 212 High (Gtn.)**
**Van Kirk Walter M., Harrison bldg**
Wallace & Warner, 1012 Walnut
**Ward Alfred L., Stephen Girard bldg.**
Watson Frank R., 1211 Walnut
**White Ralph E., Penna bldg**
Williams Carl H., Land Title bldg
Willing Chas., 1627 Samson
**Wilson E. Allen, 1208 Chestnut**
Windrim Jno. T., Commonwealth Tr bldg
Wise Herbert C., 925 Chestnut
**Wooters Wm. H., 816 Allegheny av**
Wunder Clarence E., 310 Chestnut
Yardley Ernest H., 1713 Sansom
Zantzinge, Borie & Medary, 112 S 16th
PHOENIXVILLE—**Lowry I. B.**
**PITTSBURGH—Alden & Harlow, 305 5th av**
Allison Chas. B., Jr., Jenkins Arcade
**Bair Harry S., Vandergrift bldg**
Bartberger C. M. & Son, Westinghouse bldg
Beatty John L., 146 Sixth
**Bickel Chas., May bldg**
**Bier Chas. W., 219 6th**
**Billquist T. E., Vandergrift bldg**
Boyd Wm., Jr., Vandergrift bldg
Boyd Chas. H., Park bldg
Boyd & Stewart, Peoples Bank bldg.
**Boyer E. W., Ferguson bldg**
**Brosie Louis O., Highland bldg**
**Campbell Jas. N. Co., Penn bldg**
**Carlisle & Sharrer, Jenkins Arcade**
**Carpenter W. J., Highland bldg**
Clepper H. C., Park bldg
Comes John T., Renshaw bldg
**Cooley C. D. Co., Century bldg**
Cornelius T. Ed., House bldg
Craner Jno. H., Conestoga bldg
Crone Daniel A., Oliver bldg
Crooks F. McC., Jones Law bldg
**Dean Ellsworth, 331 4th av**
Denick Edwin V., House bldg
Dowler Press C., Magee bldg

Duke Frank M., Vandergrift bldg
Estep Harry S., Century bldg
Fisher & Jones, Westinghouse bldg
**Frank Howard C., House bldg**
Geisler Chas. R., Hostetter bldg
Gilchrist H. D., Conestoga bldg
Hannah Thos., 209 9th
Harlow Alfred B., Farmers Bank bldg, 5th av
**Heckert Sidney F., Bessemer bldg**
Heron Thos. J., 1012 Forham av
Hitchens Chas. P., Keenan bldg
**Hodgdon Geo. & Son, 333 4th av**
Hodgson Chancey W., Martin bldg
Hooker Richard, Farmers Bk. bldg
Hornbostel H., Schenley Park
**Hunting-Davis Co., Century bldg**
**Ingham & Boyd, Vandergrift bldg**
Irvin Richard & Co., Ferguson bldg
**Irwin Paul W., Renshaw bldg**
Janssen Bemo, Century bldg
Jones Howard K., Farmers Bank bldg
Jones Joshua J., Westinghouse bldg
Kann Norman K., Park bldg
Kauffman William, Conestoga bldg
Kauzor Bros., Dol. Sav. & Tr. bldg
Kiehnel & Elliott, 245 4th av
**King Wm. H. Jr., House bldg**
Kuntz Jos. F., Westinghouse bldg
Lang Herman J., 1617 Brownsville
Lee Edward B., Chamber of Comm. bldg
**Liesch Pierre A., 213 Lexington av**
Link A. F., 407 N Craig
Lisotto E., 559 Leonora
Long John A., Germania Bank bldg
Lord Herman A., 5th & Merchant
Lowe Albert G., Ferguson bldg
MacClure & Spahr, 320 4th av
McCollum J. M., Berger bldg
McCormick Wm. D., Century bldg
McCullough Herbert M., Ferguson bldg
**McMullen Leo. A., Jenkins bldg**
Marks & Boyd, Park bldg
Marstellar S. A., 215 Wood
Meals F. J., 1100 Wooland av
Merrick Fredc. I., Empire bldg
Miller & Stewart, Jenkins Arcade
Milligan Chas. Wilson, 7449 Church
Mumper J F., Hartje bldg
Obitz John E., 6200 Penn av
Orth Geo. S. & Bros., Union Arcade
Osterling F. J., 228 Isabella
Peoples U. J. L., Monon bldg
Phillips Jno. H., Fulton bldg
Prack B. H., Keystone bldg
Pringle Thomas, 410 Oliver
Rahiser H. T., 21 Union
**Rieger Chas. J., Germania Bk. bldg**
Rogers Geo. O., Hartje bldg
Rowland David, Conestoga bldg
Rowland Geo. M., St. Nicholas bldg
Rubin & Ve Shancey, Union Arcade
Russell Frederick A., 336 4th av
Rutan & Russell, Century bldg
Sauer F. C., 823 Penn av
**Scheibler Fred'k, 6024 Penn av**
**Schmid Emil, 319 Spring**
**Schwan Geo. H.,, 307 4th av**
Seidler Chas. B., Lloyd bldg
Sheffield A. W., Keystone bldg
Simons, Brittain & English, Inc.
Snaman Wm. E., Empire bldg
**Spahr Albert H., Keystone bldg**
Steen James T., Fulton bldg
Steffler Edw. H., 410 Oliver
**Stevens Louis, Century bldg**
**Stillburg Jos., Fort street**
Stotz Edward, Monon. Bank bldg
Strong Carlton, Union Bank bldg
Struthers W. F., 209 9th
Stulen Walter H., 101 Market
Thomas W. A., Magee bldg
Topp O. M., Jenkins bldg
Trimble R. Maurice, Ferguson blk
Van Ormer Roy H. (& Builder), 7030 Franktown av
Vrydaugh & Wolfe, 347 5th av
Wickerham Adam G., 517 McClure av
Wilkins W. G. Co., Westinghouse bldg
Wilson O. E., 109 7th
Williams W. Ward, Magee bldg
Wolfe T. B., 347 5th av
Zortman W. N., Renshaw bldg

PITTSTON—Turon L. P.
**POTTSTOWN—Kepner Arthur S.**
POTTSVILLE—Hill Wm. D.
Houser Wm. H.
Reilly Frank X.
PUNXSUTAWNEY—Harl David G. (residences only)
Shilling L. S.
READING—Brown D. F., Northmont
**Ehrsam Fritz, 922 Penn.**
**Fink W. A., 426 Franklin**
**Freeman G. C., 1111 N 11th**
Gerhard G. L. & Son, 619 Penn
Heckman H. R. & Co., 1604 Mineral Springs rd
High W. M., 11 N 5th
Lance L. D., Hill Crest
Maurer Harry, 101 Carsonia av
Muhlenberg Frederick A., Colonial Trust Co. bldg
Richter A. A., 6th & Court
Rothenberger D. M., 348 Greenwich
Scholl Edw. Z., 136 Robeson
**Smith A. F., 1029 Penn**
Stetler, Mengel & Co., Penn av
**Walter W. A., Penn boul., W. Lawn**
Young Calvin J., 249 Jameson pl
RENOVA—Shade Grant
REYNOLDSVILLE—Young D. H.
RIDGWAY—Park H. C.
ROCHESTER—Earl J. W.
Mathews F. E.
ROYERSFORD—Poley J. Vincent
RUTLEDGE—Wells Chas. M.
SCOTTSDALE—Zearley S. J. & Son
SCRANTON—Barrett James A., Real Estate bldg
Brown Fred'k L., Real Estate Exch. bldg
Davis Edw. H.—Lewis George M. D., Union Bank bldg
Duckworth J. S., Coal Exch. bldg
Edson Gilbert, Connell bldg
Hancock Lewis, Meade bldg
Howley Jno. J., Traders Bank bldg
Langley Edward, Scranton Life bldg
Nelson Fred A., Connell bldg
Rutherford Herman C., 316 N Wash av
Snyder Robt. W., Brook bldg
SEWICKLEY—Macqueen James M., Esq., 217 Bank
SHAMOKIN—Jury W. U.
Lee W. H.
Schweitzer F. R.
SHARON—Bastress D. G.
Clepper E. E.
Matheny C. A.
Weaver C. J.
SLATINGTON—Oplinger G. T.
SOMERSET—Walker E. H.
**SOUDERTON—Landis Jerome S.**
SOUTH BETHLEHEM—Bitting Edward R.
Leh A. W.
STATE COLLEGE—Kocher A. L. (Schools)
TARENTUM—Cutshall Ira F.
**TYRONE—Wise W. F. (specialty; theatres)**
UNIONTOWN—Altman Harry W.
Cooper A. P.
Fulton & Butler
Harman Jno. H.
VERONA—Stough E. K.
WALLINGFORD—Watson Frank C.
WARREN—McNeil & Feets Co.
Gruninger F. H.
Phillips E. A.
**WASHINGTON—Kerns John A.**
Vester J. W.
WAYNE—Gugert Francis A.
Shaw J. William
WAYNESBORO—Woltz James W.
**WESTCHESTER—Vance Charles H.**
WILKES-BARRE—Atherton, Thos. H., Jr.,, Coal Exchange bldg
Boyle James A., Bennett bldg
**Evans Clark W., Coal Exchange bldg**
Knapp & Bostworth, 15 S Franklin
McCormick & French, 2d Nat Bk bldg
Pettebone Jacob S., Security Nat'l Bk
Reilly Austin L., Bennett bldg
Schroeder Geo. F., Weitzenhorn bldg
Sturdevant & Poggi, Coal Exch bldg
Welsh Geo., Coal Exch bldg
**WILKINSBURG—Allison A. W., 748 Glenn av**
WILLIAMSPORT—Feil Chas. W.
Fisher, Mahlon Leonard
Fisher Nicholas E.
Rianhard F. Arthur
WYOMISSING—Lance L. D.
Stetler, Mengel & Co.
YORK—Bowers Robt. W.
Dempwolf J. A.
Dempwolf, Reinhardt
Gemmill & Billmeyer
Hamme John B.
Leber Edward
Stair Robert A.
Willis B. F.

## RHODE ISLAND.

ATTLEBORO—Higgins Olstin M.
CENTRAL FALLS—Desvoyan, Helia L.
JAMESTOWN—Bevins Chas. L.
LONESDALE—Learned Chas. H.
NEWPORT—Easton Roland J. & Son
Smith Jas.
Weaver Thomas L. S.
PAWTUCKET—Carpenter, C. E., 91 Cottage
**Daniels Fred G**
**Fuller Samuel B.**
**Humes Albert H.**
**Monahan R. C. N.**
**Page George H.**
PROVIDENCE—Adams J. Howard, Turks Head bldg
Almy Arthur Lewis, 42 Weybosset
**Angell & Swift, 87 Weybosset**
Cady John Hutchins, Hospital Trust bldg
**Clarke & Howe, Turk's Head bldg**
Goodwin E. S., 29 Weybosset
Hall Geo. F., Union Trust bldg
Harkness Al., Grosvenor bldg
Henley Francis E., 42 Weybosset
**Henshaw Gorham 87 Weybosset**
Herrmann T. C., 17 Exchange
**Hill Arthur E., 75 Westminster**
Hindle F., Union Trust bldg
**Homer Eleazer B., 87 Weybosset**
**Hoppin & Field. 32 Westminster**
**Isham Norman M., Grosvenor bldg**
Jackson T. Ellis, Turks Head bldg
Jackson, Robertson & Adams, Turks Head bldg
Lockwood Chas. H., 171 Westminster
McLaughlin Thomas S., Union Tr. bldg
Marshal & Hickey, 77 Washington
Martin B. S. D., 86 Weybosset
**Martin & Hall, Union Trust bldg**
Melidossian G. G., 37 Farragut av
Murphy A. J., 146 Westminster
Page & Page, 87 Weybosset
Peirce T. J. H., Ind. Trust bldg
**Richards Wm. G., 17 Exchange**
Robertson W. T., Turks Head bldg
**Slocomb Harry A., 511 Westminster**
Stone, Carpenter & Sheldon, Ind. Tr. bldg
Walker W. H., 17 Custom House
**Walker Wm. R. & Son, 17 Custom House**
Wright Benj., Howard bldg
TIVERTON—Rose Rich D.
WARREN—Hall Benjamin M.
WOONSOCKET—Fontaine Walter F.
Kent Willard (& at Narragansett Pier)

## SOUTH CAROLINA.

ANDERSON—Baldwin J. J.
Casey & Fant
Sayre C. Gadsden
BENNETTSVILLE—Harrell H. D.
**CAMDEN—Fort O. M.**
**Mitcham R. W.**
CHARLESTON—Benson & Barbot
**Hyer David B.**
**Newcomer John D.**
Simons Albert
Todd, Simmons & Todd
CLEMSON COLLEGE—Lee R. E.
COLUMBIA—Hamby A. W.
Johnson J. C.
**Lafaye Geo. E.**
Sams J. H.
**Urquhart J. B.**
Wilson Chas. C.
FLORENCE—Hicks & Harper
FORT MILL—White, Hugh E., Esq.
GREENVILLE—Cunningham F. H. & J. G.
Jones H. O.
Martin & Ward
Neves W. D.
Rogers F. G.
Sirrine J. E. (Textile Mill Architect & Eng.)
GREENWOOD—Cothran Thos. W.
Summer J. E.
ROCK HILL—Gilchrist A. D.
Starr Julian S.
Walker N. Gaillard
SPARTANBURG—Collins J. Frank
Tinsley S. P.
SUMTER—Johnson J. H.

## SOUTH DAKOTA.

ABERDEEN—Fossum Geo. F.
Henry J. W.
DALLAS—Townsend G. E.
HURON—Issenhuth George
Kuehn F. C. W.
MITCHELL—Hoppe J. P.
Wherry S. C.
SIOUX FALLS—Chapman Jno. C.
Perkins & McWayne
**Schwarz Jos.**
WATERTOWN—Hockman Maurice Allen
Shoultz A. H.
YANKTON—Goetz Co.

## TENNESSEE.

BRISTOL—Burnett & Loggans
Doriot H.
Kearfott Clarence B.
CHATTANOOGA—Alsup J. D., James bldg
Barnwell & Barnwell, Hamilton Natl. Bank bldg
Bearden C. E., First Natl. Bank bldg
Carlton Chas. W.
De Kalb W. M., James bldg
Hunt R. H., James bldg
Jones C. T., James bldg
Sears W. H., James bldg
Stroop D. V., James bldg
Wester Miss C. J., James bldg
CLARKSVILLE—Ritter H. W. Co.
Smith G. Tandy Jr.
FRANKLIN—Williams G.
JACKSON—Heavner R. A.
Owen W. C.
JOHNSON CITY—Beeson D. R.
Mitchell C. G.
KNOXVILLE—Barber & McMurray
Baumann Albert B.
Gredig, Albert E.
Manley & Young
Parmelee M. E. & Son
Ryno John H.
Waters L. C.
MEMPHIS—Deas Chas., Goodwyn Institute bldg
Hanker & Cairns, Scimitar bldg
Harrison E. L.
Jones & Furbinger, Porter bldg
McGee & Lester, Scimitar bldg
Mahan & Broadwell, 144 Madison av
Mann & Gattling, Scimitar bldg
Patterson Carloss, 127 Madison av
Pfeil C. O., Tennessee Trust bldg
Regan & Weller, Bank of Com. bldg
Shaw G. M.
Spencer Raymond B., Goodwyn Institute bldg
Weigel S. J., Central Bank bldg
MORRISTOWN—Smith, Roswell E.
MURFREESBORO—Bell W. R. Jr.
NASHVILLE—Asmus & Clark, Stahlman bldg
Colley Clarence K., F. & F. Natl. Bk bldg
Colley J. H., L. & C. bldg
Dougherty & Gardner, Stahlman bldg
Eason Wm. E., 1036 Sharp av
Ferguson Chas. A., Arcade
Frahn Harry J., Ind. Life bldg
Gardner T. W., Stahlman bldg
Griffin A. M., Ind. Life bldg
Hart R. E., Stahlman bldg
Hibbs H. C., F. & F. Natl. Bk. bldg
Hodge B. J., 4th av N
Ludlow & Peabody, Stahlman bldg
McMurray S. M., Arcade
Marr & Holman, Stahlman bldg
Motz C. C., Stahlman bldg
Norton Geo. C., Ind. Life bldg
Pritz Miss Bessie, 110 21st av S
Smith C. W., 1802 Acklen av
Southgate Donald W., Presbyterian bldg
Turbeville Robert E., 301½ Church
Waller Geo. D., Arcade
Yeaman James H., City Hall
PARIS—Krider C. V.
SOUTH PITTSBURG—Patton R. B.
UNION CITY—Taylor H. P.

## TEXAS.

AMARILLO—Berry J. C.
Kaufman W. R.
Rice W. M.
Roquemore O. G.
ARLINGTON—Nelson S.
AUSTIN—Andrewartha John, 921½ Congress av
Endress & Watkin, Littlefield bldg
Gideon Samuel Edward, University of Texas, Dept Architecture
Iredell Leslie N., Littlefield bldg
Ketchum W. E., Littlefield bldg
Kreisle Edwin C., Scarbrough bldg
Kuehne, Chasey & Geisecke, Littlefield bldg
Page C. H. & Bro., Austin Nat'l Bank
Thomas Roy L., Scarborough bldg
Walsh Dennis R., Littlefield bldg
Watson A. O., E. 6th & Brazos
BAY CITY—Large J. E.
BEAUMONT—Babin A
Beck Jos. C.
Cooke & Co.
Logan C. A.
Mauer-Knoblock-Simank
Steinman F. W.
BROWNWOOD—Mount Henry
COLLEGE STATION—Adelsperger Rolland
CORPUS CHRISTI—Dale Guy
CORSICANA—Blanding H. O.
DALLAS—Bothwell J. L., 3012 Holmes
Brickey & Brickey, Busch bldg
Bulger C. W. & Son, Praetorian bldg
Coburn Douglas F., Sumpter bldg
Galbraith T. J., Slaughter bldg
Gill J. O., N., 1004½ Commerce
Hubbell & Greene, N Texas bldg
Lang & Witchell, Southwestern Life bldg
Mathews J. D., 1108 S Rosemont av
Mauran, Russell & Crowell, Busch bldg
Overbeck H. A., Juanita bldg
Overbeck J. Ed., Wilson bldg
Rowe Joseph W., 1915½ Main
Sites C. P., Southwestern Life bldg
Thomson H. B., Southwestern Life bldg
Thurman L. L. & Co., Andrews bldg
Woerner F. J., Sumpter bldg
Ye Planry, Inc., 1605½ Main
EL PASO—Beutel H. M., First Nat'l Bank bldg
Fritch Alfred R., Trust bldg
Kneezel Edward, State Nat'l Bank bldg
Krause Ernest, 906 N Stanton
Leech Austin, 214½ Texas
McGee Percy Jr., Mills bldg
McKee J. S., 815 E. San Antonio
Patton S. E., 3520 Douglas
Thorman O. H. & Co., 1st Nat'l Bk. bldg
Trost & Trost, Mills bldg
FORT WORTH—Field & Clarkson, Wheat bldg
Forbes Chas. W., 837 Elmwood av
Hoeffler Conrad, 703 W. 5th
Leake Boudinot G.
Newell Walter, Reynolds bldg
Pollard John H., Fort Worth Nat'l Bank bldg
Prettyman Jacob H., Cleburne Junct.
Reed Wm., 1617 Enderly pl
Sanguinet & Staats, 1st Nat'l Bank bldg
Van Slyken, Woodruff & Miller, Reynolds bldg
Waller M. L., Wheat bldg
Weinman L. B., 711 Main
GAINESVILLE—Garrett J. G. & Son
GALVESTON—McKenzie Donald N., 2107½ Post Office
Stowe & Stowe, 309½ 22d
GREENVILLE—Kilmer Roy
Lindsey Geo.
Macklin H. B.
Ragsdale W. R.
HOUSTON—Briscoe B. P., Carter bldg
Delisle Adrien, Levy bldg
Finger & Bailey, Kress bldg
Finn Alfred G., 716½ Main
Jones & Tabor, Binz bldg
Lorehn, Olle J., Light & Power Co. bldg
Rue, F. E., 1610 Alamo
Sanguinett, Staats & Gottlieb, First Nat'l Bank bldg
Steele Resin D., First Nat'l Bank bldg
Watkin Wm. Ward, Scanlan bldg
JACKSONVILLE—Ray S. W.
LAREDO—Chaille D. J.
Suthered & Co.
MARSHALL—Carpenter John
Lancaster C. G.
NAVASTOTA—Meyerlambers W. H
PARIS—Barry, Smith & Withers
PORT ARTHUR—Wagnall C. L.
SAN ANGELO—Ruffini Oscar
SAN ANTONIO—Adams & Adams, Gibbs bldg
Ankron Francis S., Hicks bldg
Ayres Altee B., Bedell bldg
Behles E. P., Hicks bldg
Boelhauwe C. T., State Bk. & Tr. bldg
Bowen F. J., St. Anthony bldg
Cameron R. H., State Bk. & Trust bldg
Dielmann L. M. J., 306 E Commerce
Fincham C. T., Moore bldg
Gaenslen Fred'k B., Alamo Bk. bldg
Gartner F. B., Prudential bldg
Giles Alfred Co., F bldg. (& at Laredo)
Hagy W. N.
Herff A. A., S. A. Loan & Trust bldg
Langworthy R. O., 608 E Georgia av
Middletown L. D. (& Builder), 219 Dunning
Neumann R. F. (& Builder), 1124 E Houston
Page Harvey L. Co., 741 E Houston
Phelps H. T., Gunter bldg
Pierce R. L., Central bldg
Reuter & Harrington, Frost bldg
Seutter Carl von, Moore bldg
Spillman B. W., Alamo Bank bldg
Texas Cons. Co., Swearingen-McCraw bldg
Wahrenberger J., Alamo Bank bldg
Williams J. C. Jr., Moore bldg
SAN MARCOS—McLellan J. L.
SHERMAN—Elliott S. B.
Tackett W. A.
Tuloch Jno.
SWEETWATER—Bryant J. R.
TEXARKANA—(See Texarkana, Ark.)
TYLER—Bothwell J. H.
WACO—Eastwood B. D., 405 Praetorian blk
Lane Roy E., Chamber of Commerce bldg
McIver E. R., 208 Bankers Trust bldg
Scott Milton W. & Co., 412 Franklin
WHARTON—Jopling C. E.
WICHITA FALLS—Jones Evan
Pate Charles J.
Roberts & Berwis
Voelcker & Dixon

## UTAH.

BRIGHAM—Wells Carson F.
KAYSVILLE—Allen Wm.
LEHI—Frederickson Christian
LOGAN—Barrett C. T.
Schaub, Karl C.
OGDEN—Hodgson Leslie S.
Sullivan A. S.
Woods & Jensen
PROVO CITY—Nelson & Ashworth
Wright Chas. H.
RICHFIELD—Wright I. L.
SALT LAKE CITY—Bryson Geo. M., Boston bldg
Cannon & Fetzer, Templeton bldg
Cooper W. J., Boston bldg
Craig J. C., Kearns bldg
Dallas S. C., 1832 S. 10th East
Goodfellow Irving, Boston bldg
Grundfor, J. A., Security & T. bldg
Hale Fred A., Continental blk
Headlund, Dooly bldg
Hust Fred, 48 E. South Temple
Kletting R. K. A., Felt bldg
McDonald C. S., Brooks Arcade bldg
Miller, Wooley & Evans, Vermont bldg
Palliser & Hills, 827 McIntyre bldg
Poll H. P., Vermont bldg
Pope & Burton, Newhouse bldg
Rutherford F. D., McIntyre bldg
Sabine Jas., 99 E. 16th South
Scott & Welch, Dooly bldg
Ware & Treganza, Utah Sav. & Tr. bldg
Woods J. C., 852 S. W. Temple
Young & Hansen, Vermont bldg
SPANISH FORK—Braithwaite Jesse
SPRINGVILLE—Whitney L. J.

## VERMONT.

ARLINGTON—Canfield Chas.
Tynan J. W.
BRANDON—Flint F. W.
Howland B.
BRATTLEBORO—Rice E. W.
BURLINGTON—Austin Frank Lyman
Crandall Chas. H.
Lawrence A. I.
McDowell & Henderson
McLaughlin John J.
HARTFORD—Newton Louis Sheldon
MONTPELIER—Walker Frank A.
PAWLET—Black Geo.
POULTNEY—Town Wm. L.

## VIRGINIA.

ABINGDON—Musser W. H. & Son
ALEXANDRIA—Clark Wm. L.
BEAVER DAM—Noland William C.
BERKLEY—(See Norfolk)
BRIDGEWATER—Miller O., Harvey Miller bldg
CHARLOTTESVILLE—Bradbury Eugene
Wingfield Nimrod T.
COVINGTON—Pace S. E.
DANVILLE—Heard, Cardwell & Craighill
Pritchett & Henderson
DUBLIN—Shufflebarger F. N.
FALLS CHURCH—Von Herbulis A. O.
FREDERICKSBURG—Baldwin Frank C.
Stern Philip N.
HAMPTON—Holtzclaw C. Taylor
Remington Cornelius G.
HARRISONBURG—Heatwole J. S. & Co.
LEXINGTON—McDowell W. B.
LYNCHBURG—Craighill S. P., Peoples Nat'l Bank bldg
Heard & Cardwell, Peoples Nat'l Bank bldg

Johnson S. S., Peoples Bk. bldg
McLaughlin J. T., Peoples Nat'l Bank bldg
NEWPORT NEWS—Connell Geo. E.
Mackee & Williams
Simpson H. W.
NORFOLK—Abrames Harvey, Arcade bldg
Gale Paul, Greenwood bldg
Lee Jas. W., Seaboard Bank bldg
Mitchell Benj. F., Seaboard Bk. bldg
**Mitchell Rossel Edward, Paul-Gale-Greenwood bldg**
Moser Philip B., Law bldg
Neff & Thompson, Seaboard Bk. bldg
Peebles & Fergusoh, Law bldg
Simpson H. W., Board of Trade bldg
Taylor Wickham C., Citizens Bk. bldg
Wilcox F. Nelson, Paul-Gale-Greenwood bldg
PETERSBURG—Andrews M. P. & Co.
Craig S. Daley
Dillon C. E., Mechanics bldg
Munden R. A.
PORTSMOUTH—Cassell Chas. M.
Major Chas. M.
RICHMOND—Asbury Otis K., 110 N 7th
Barnham H. T., Cham. of Com. bldg
Baskerville & Lambert, Travelers bldg
Benton & Benton, Times Dispatch bldg
Cain H. L., 12 N 9th
Carneal & Johnston, Chamber of Com.
Hallett & Pratt, Mutual bldg
Hartsook L. P., Am. Nat'l Bank bldg
Huntt Albert F., Old Dominion Tr. bldg
Lee W. D., Travelers bldg
**Messerschmidt H. Carl, Mutual bldg**
Robinson Chas. M., Times-Dispatch bldg
Rowlett B. J., Old Dominion Tr. bldg
Ruehrmund Max E., Allison bldg
West Wm. C., Merchants Bank bldg
Wright Marcellus E., Am. Nat. Bk bldg
ROANOKE—Frye & Chesterman
Miller H. M.
Ragan G. R.
STAUNTON—Collins T. J. & Son
SUFFOLK—Winborne P. J.
WINCHESTER—Diffenderfer E. H.
Neuman J. C.
WYTHEVILLE—Williams Geo. C.

## WASHINGTON.

ABERDEEN—Dobell R. H.
Dobell R. H.
Haynes C. A.
Troutman C. E.
Vernon Lawrence R.
Vernon Watson
ANACORTES—Farmer L. A.
BELLINGHAM—Cox Wm.
Doan T. F.
Piper F. Stanley
BREMERTON—Evans Wm. F., Jr.
Hale Perley B.
CHEHALIS—Griffin J. De F.
EVERETT—Spaulding E. G.
Turnbull, B. F.
Whiteley W. H.
KENT—Leeper A. S.
LEAVENWORTH—Durham W. W.
OKANOGAN—Gough Richard V.
OLYMPIA—Stanley J. C.
Womeb J. H.
OMAK—Okerlund Richard J.
POULSBO—Weaver Rudolph
PULLMAN—Swain Wm.
PUYALLUP—Carpenter Ben L.
Jacobs W. S.
Proctor John G.
RENTON—Thorne R. M.
SEATTLE—Albert Henry J., Boston block
Alden Chas. H., 400 Boston block
Baeder Louis, Securities bldg
Baker Frank L., Pacific block
Ballard W. J., 617 1st av
Bebb Chas. H., Securities bldg
Beezer Louis, Seaboard bldg
Beezer, M. J., Seaboard bldg
Bickel C. H., New York bldg
Blackwell J. E., Seaboard bldg
Blair Edgar, 1426 Jackson
Breitung C Alfred, 531 23d av S
Bruce William, Busch Hotel
Brust W. G., 727 New York block
Buchinger Theobold, 8320 Renton
**Carrigan Jno., Epler bldg**
Champney E. F., Henry bldg
Chevallaz Chas., 405 Luzerne apts
Constable Arnold S., Seaboard bldg
Cornelius A. B., Lumber Ex bldg
Creutzer J. A., Leary bldg
Cruse Frank, Washington bldg
Doyle A. E., Seattle Nat. Bk bldg
Dudley Stuart B., Walker bldg
Dwyer W. E., New York bldg
Dysart Arthur, G. N. Eng. Dept.
Eason Arthur N., 228 Westlake N
Eastman Chas H., Eitel bldg
Everett J. F., Boston blk
Field G. C., Henry bldg
Ford Sherwood D., Lyon bldg
Fowler Frank H., L. C. Smith bldg
Gable George E., 1415 1st av N
Ginnold Harold H., Boston block
Geiser Albert A., 525 New York block
Gifford H. L., Rookery bldg
Gould Carl F., Securities bldg
Graham Jno., L. C. Smith bldg
Grant Francis W., Mehlhorn bldg
Grant William R., Seaboard bldg
Green E. E., Northern Bank bldg
Griffith Edwin St. John, 2014 Franklin av
Guenther Emil, Ry Exchange bldg
Hall John L., Stuart bldg
Hammond H. G., 4507 W Trenton
Hancock E. J., 216 Boston block
Harris Dell W., 1015 Union
Haynes Chas., Mehlhorn bldg
Holmes J. Lister, Burke bldg
Horrocks Pierce, Mehlhorn bldg
Houghton E. W., Lumber Ex
Houghton G. T. A., Lumber Ex bldg
Hudson E. E., Amer. Bank bldg
Hudson John S., Amer. Bank bldg
Hughes F. Omar, 816 Riverside av
Howells John Mad., Henry bldg
Ivey Edwin J., Boston bldg
James Harry H., Amer Bank bldg
Johnson Isham B., Empire bldg
Jones Wm. J., 422 New York block
Jonson J. G., 6727 17th, N W
Josenhans T. J., 4524 Lowman drive
Kelley John E., Jr., Empire bldg
Knox A. N., Securities bldg
Larkin John P., Downs bldg
Lawton Geo. W., Alaska bldg
Loveless Arthur L., Colman bldg
Mann Wm G., 402 Boston blk
McCauley J. L., Boston block
McQuaker Andrew, Mehlhorn bldg
Mallis William, Lyon bldg
Mendel Louis L., Empire bldg
Menke A. F., 512 Hinckley block
Merriam C. A., Seattle Nat. Bk bldg
Merritt Edw. L., Empire bldg
Milner Warren H., Haight bldg
Moldenhour H. A., Alaska bldg
Myers D. J., Lippy bldg
Naramore F. A. 512 Hinckley bldg
Nevins J. R., Hoge bldg
Osborn Edw. T., Pantages bldg
Park Earl G., Securities bldg
Pearce H. B., Arcade bldg
Perkins F. H., Lumber Ex bldg
Peters F. J., Pantages bldg
Pinneh Edw. F., 4746 11th av
Pracna A. B. (Mill), P. I. bldg
Priteca B. M., Pantages bldg
Putnam J. L., Lyon bldg
Purvis Geo. B., Globe bldg
Reid Geo. B., Henry bldg
Richardson Paul D., Henry bldg
Riley Howard H., Boston block
Roberts Earl A., 9508 Rainier av
Rowe R. H., Amer. Bank bldg
Russett J. P., 2039 26th av, N
Ryan H., Hotel Diller
Saunders Chas. W., Ry Exchange
Schack J. H., Lippy bldg
Scheel K. H., Pier No. 1
Sharpe H. Percy, 315 2d av N
Siebrand Carl, Nor. Life bldg
Skoog Joe L., 1711 Yale av
Sonnicksen S. E., 413 Boston block
Stanley G. W., Globe bldg
Stephen Fred. B., New York block
Stephen James, 726 New York block
Storey Ellsworth P., New York bldg
Stuart B. Dudley, Walker bldg
Svary Louis, Seattle Nat. Bk bldg
Taft J. O., 412 21st av
Thomas Harlan, Arcade bldg
Thompson C. B., Mutual Life bldg
Thompson C. L., Mutual Life bldg
Umbrecht Max, Ry Exchange
Vincent R. E., L. C. Smith bldg
Vogel Joshua H., 516 Pacific block
Voorhees V. W., Eitel bldg
Wallington E., Seaboard bldg
Warren & Gerrish, Inc., 518 New York block
White Wm. P., 309 15th av, N
Wheatley Arthur, Walker bldg
Willatzen Andrew C. P., Boston blk
Willcox W. R. B., Boston blk
Williams, E. R., Hoge bldg
Wilson C. D., Mutual Life bldg
Wilson Joseph W., Henry bldg
Wolfe Ira T., 5231 11th av, N E
Zieler E. E., 1417 22d av
SPOKANE—Burrill J. R., Exchange Bank bldg
Carpenter C. J., Admin. bldg
Cowley Arthur W., Hyde bldg
Cutter Kirtland, Sherwood bldg
Dow John K., 1705 10th av
Garman Frank E., N 1521 Maple
Held Albert, Realty bldg
Hutchinson Frank G., E 1515 13th av
Keith Geo. H., Hutton bldg
Malmgren K. G., Rookery bldg
Morrison Earl W., Symons block
Pehrson G. A., 816 Riverside
Price Ernest V., Hutton bldg
Rand L. L., Rookery bldg
Rand M. W., Rookery bldg
**Rigg A. G., Peyton bldg**
Smith H. E., Old Nat. Bank bldg
Stimson V. S., 318 Symons block
Stritesky L. R., Empire State bldg
Thompson N. E., Paulson bldg
Vantyne, Roland M., Peyton bldg
Wells William A., Hyde bldg
Westcott, Frederick, Rookery bldg
White C. Ferris, 828 Montgomery, W
Whitehouse H C., Hutton bldg
Wood Chas., E 2313 5th av
Woodroofe Arnott, Potlach Lumb. Co.
Zittel Julius A., Jamieson bldg
SUNNYSIDE—Ragland Edward H.
TACOMA—Bell Herbert A., Nat. Realty bldg
Borhek R. E., National Realty bldg
Breseman E. J., Perkins bldg
Bullard George Wesley, Provident bldg
Cresco Robert, Cresco apts
**Darmer C. A., 1111½ B'way**
Dugan Earl N., National Realty bldg
Gove George, Nat. Realty bldg
Heath Frederick, Nat. Realty bldg
Heath, Gove & Bell, Nat'l Realty bldg
Hill I. H., Perkins bldg
Lundberg & Mahon, Provident bldg
Mason Roy S., Provident bldg
Mock, E. T., Perkins bldg
Outcalt D. D. A., Tacoma bldg
Russell Ambrose J., Nat'l Realty bldg
Sampson John T., 4210 N Stevens
Shaw Frederic, Tacoma bldg
Shaw Stanley T., Tacoma bldg
Sutton Albert, Nat. Realty bldg
Sutton & Whitney, Nat. Realty bldg
Trust George, 1523 S Cushman av
Walesby P. C., 5665 S Thompson av
Webber Frederick, 606 Argonne bldg
Wojahn Erick, 3592 E. K.
TOPPENISH—Blaisdel Wm. E.
VANCOUVER—Nichols Dennis
Robinson Felix
WALLA WALLA—Copeland H. L.
Crawford Harold E.
Osterman Henry
Siebert Victor
WENATCHEE—Dean Marshall A., Central bldg
YAKIMA—Bissell L. B.
De Veaux William W.
Jacobs Theodore R.
Lanning W. L.
Lundstrum A.
Perrin W. M.
Thompson A. K.
Weathewax Harry

## WEST VIRGINIA.

BLUEFIELD—Hill Geo. H.
Mahood Alex B.
Pedigo & Garry
Shufflebarger E. L.
BUCKHANNON—Hughes D. C.
CEREDO—Gleske J. R.
CHARLESTON—Carson Alexander W.
Davidson Wayland F.
Dick David & Son
Given & Given
Higginbotham & Knapp
Montgomery Jas.
Warne H. Rus
Wiggins Paul N.
CLARKSBURG—Ford Stephen W.
Hickman Charles L.
Holmboe & Lafferty
La Mont A. G.
Wood Edw. J.
DIAMOND—Kuney M. D.
DUNMORE—Nore J. A.
ELKINS—Darby H. M.
FAIRMONT—Gillis Russell A.
Lyons Andrew C.
Snider C. H.
HINTON—Lavender Jas. B.

WEST VIRGINIA—continued
HUNTINGTON—Bates Richard M., Nat'l Bank bldg
Day Robert L.
Dean Levi J.
Dickey A. F.
Gieske J. R.
Lowe Lloyd C.
Meanor & Handloser
MONROE COUNTY—Gray George H., Sweet Spring
MORGANTOWN—Jacobs Elmer F.
PARKERSBURG—Adair Richard H.
Patton Wm. Howe
Sansbury Theo. T. Jr.
Schneider Harvey W.
PRINCETON—Wysong A. F.
SHEPHERDSTOWN—Humrickouse Samuel J.
WELLSBURG—Wells M. L.
WESTON—Arnold A. A.
Moore J. S.
WHEELING—Bates Chas. W., Nat'l Bk. of W. Va. bldg
Faris Fred. F., Schmulbach bldg
Franzheim E. B., Schmulbach bldg
Giesey M. F., German Bk. bldg
Vester & Son, McLain bldg

## WISCONSIN.

ANTIGO—Herman George B.
APPLETON—De Long Wallace W.
Wettengel Ed. A.
Wildhagen Herman
ASHLAND—Wildhagen Henry
BELOIT—Kemp F. H.
BLACK RIVER FALLS—McGillivray J. J.
CEDARBURG—Hilgen Wm. F.
CHIPPEWA FALLS—Snyder Samuel
Willenbockel L. A., 509 Bay
EAU CLAIRE—Happy Harrison G.
Lang Robt. A.
Moore Charles
Reily A. E.
Volkman & Hancock
FOND DU LAC—Heller H. F.
Hennen Joseph E.
Mehner B. E.
GRAND RAPIDS—Billmeyer A. F.
DeGuere L. A.
Miller Geo. B.
GREEN BAY—Benton Perry T.
Carr H. W.
Reynolds Wm. E.
JANESVILLE—Blair W. H.
Sadler F. E.
KAUKAUNA—Coppes John
KENOSHA—Augustine Charles
Christensen Oscar N.
Hahn Howard H.
Lindl Joseph
LA CROSSE—Bennett Wells E.
Parkinson & Dockendorff
Roth Andrew
MADISON—Alford H. C.
Balch Harold C.
Claude & Starck
Conover Allan D.
Gordon, Balch & Lippert
Kronenberg F. L.
Law James R.
Porter Lew F.
Riley Frank M.
Schwenn August
Small Alvin E.
Tough Edward
MANITOWOC—Juul & Sixta
Miller Earl F.
Raeuber W. J.
MARSHFIELD—Krasin Gustave A. (& Builder)
MILWAUKEE—Barkhausen Carl, 79 Wisconsin
Brielmaier E. & Sons Co., 432 B'way
Bruns Herman H., 845½ 26th
Brust & Phillipp, Free Press bldg
Buemming Herman W. & A. C. Guth, 521 Jackson
Clas A. C., Colby-Abbott bldg
Crabtree Fremont R., 2449 Grand av
Dick Gustav A., 811 State
Dohmen Anton, 68 Wisconsin
Eschweiler Alexander C., Goldsmith bldg
Esser Herman J., Camp bldg
Fernekes Max, 97 Wisconsin
Graf Fred, 807 Grand
Gray Frank E., 86 Michigan
Guth Alex. C., 521 Jackson
Haeuser H. C., 445 Milwaukee
Hegemann & Peets, 68 Wisconsin
Hengels Henry C., First Natl. Bank bldg
Hensel Henry C., 766 8th
Herbst & Kuenzli, 114 Grand av
Howend Frank, 69 Wisconsin
Hunt Leigh, 209 Grand av
Judell & Bogner, 1st Nat'l Bank bldg
Kadow Stanley F., 451 Mitchell
Keller Chas. J., 221 Grand av
Kirchoff & Rose, Majestic bldg
Koch A. D., 120 Wisconsin
Lavies John G., Merrill bldg
Leenhouts & Guthrie, 424 Jefferson
Liebert & Liebert, 425 E Water
Leipold Gustave H., 160 Martin
Leiser & Holst, Germania bldg
Lesser & Schutte, 221 Grand av
Lotter Henry G., 427 Wisconsin
Messmer R. A. & Bro., Majestic bldg
Neumann Walter F., Caswell blk
Oberst Richard E., 353 Nat'l av
Ringer C. F. & Son, 432 B'way
Rische Chas. H., 2227 Grand av
Rosman & Wierdsma, 424 Jefferson
Rotier H. J., Goldsmith bldg
Schmitz Robt. H., 105 Wells
Schley Geo. & Sons, 424 E Water
Schnetzlay & Son, 105 Wells
Schnetzky & Son, Germania bldg
Scott Fitzhugh, 445 Milwaukee
Smith F. A., 425 E Water
Topzant John, 307 Grand av
Tullgren Martin & Sons, 1st Nat'l Bk. bldg
Valentine Chas. W., 428 Jefferson
Van Ryn & De Gelleke, Caswell blk
Voelz Henry W., 86 Mich.
Wade C. G., 399 Church
Weyland Ernest, Caswell block
Williamson R. B., 405 B'way
Zagel Geo. & Bros., 144 Oneida
NEENAH—Lindahl & Matheson
OSHKOSH—Auler & Jensen
Dreger J. F.
Klapproth Wm. C.
Waters William
PLATTVILLE—Kleinhammer H.
PRAIRIE DU SAC—Dresen Jos.
RACINE—Chandler & Park, 400 S Main
Davis David R., 526 S Wisconsin
Funston Edmund B. Co., Robinson bldg
Gulbert & Funston, Robinson bldg
REEDSBURG—Rork W. W.
RIPON—Kunde J. A.
SHEWANO—Fritz C. C.
SHEBOYGAN—Jahn Rudolph R.
Weeks William C. (& Builder)
STURGEON BAY—Crandall F. D.
SUPERIOR—Bach J. O.
Johnson F. E.
Radcliffe E. S.
WAUKESHA—Anderson Charles C.
WAUSAU—Liebert Hans T.
Parsons Anthony
Swarthout & Speer
WEST ALLIS—Lesser Charles L.

## WYOMING.

CASPER—Garbutt & Weidner
CHEYENNE—Baerresen & Wieger
Du Bois Wm.
LARAMIE—Hitchcock W. A.
Holliday Lewis J.
SHERIDAN—Goddard Simon
Hummel A. E.
Randall C. A.
Zander O. M.

## 225— Architects (Brewery)

Barthel Bernard, 127 N Dearborn, Chicago, Ill.
Boehme Chris. A., 2215 Lyndale, Minneapolis, Minn.
Dornfeld J. F., 2148 W Washington bl., Chicago, Ill.
Engelhardt Theobald, 905 B'way, Brooklyn, N. Y.
Gatterdam Fred E., 154 W Randolph, Chicago, Ill.
Glaser & Schwartz, Cincinnati, O.
Griesser Richard, 64 W Randolph, Chicago, Ill.
Hettinger C. F. & Co., Boston, Mass.
Hooper & Co., 118 Market, Newark, N. J. York
Koelle Wm. F. & Co., 26th & Oxford, Phila., Pa.
Lehle Louis, 38 S Dearborn, Chicago, Ill.
Mortensen & Co., 405 Lexington av, New York
Mueller Gustave A., Breitmeyer bldg., Detroit, Mich.
Peuckert & Wunder, 310 Chestnut, Phila., Pa.
Schultz Julius, 1370 Main, Buffalo, N. Y.
Widmann & Walsh, Wainwright bldg., St. Louis, Mo.
Wolf Otto C., Denckla bldg, Phila., Pa.
Wunder Fred'k & Son, 957 B'way, Brooklyn, N. Y.

## 226— Architects (Decorative)

Hiss Phillip, 452 5th av, New York
Kissam Henry Snyder, 25 Madison av, New York
Korber Albert & Son, 42 Hanson pl, Brooklyn, N. Y.
Lamb J. & R., 25 6th av, New York
Paris W. Francklyn, 53 W 39th, New York
Parker H. Hanley, 1710 Chestnut, Phila., Pa.
Poole Thomas H. & Co., 13 W 30th, New York
Righter & Kolb, 420 Madison av, New York

## 227— Architects (Horticultural)

Hitchings & Co., 1170 B'way, New York
Hutchings & Co., Penna bldg, Phila., Pa.
Lord & Burnham Co., 30 E 42d, New York
Lutton Wm. H., 70 E 45th, New York
Pierson U Bar Co., 1 Madison av, New York
Sandiford Chas., 2692 Main, Buffalo, N. Y.
Weathered Co., Orient & West End avs. Jersey City. N. J.

## 228— Architects (Landscape)

Adams Edward P., Exchange bldg, Boston, Mass.
Adams Louis S., 1530 Walnut, Phila., Pa.
Allen Percy Ira, Cutler bldg., Rochester, N. Y.
Ankenbauer B., 5139 Imwalle av, Cincinnati, O.
Arnold S. A., 50 Bromfield, Boston, Mass.
Arnold & Tripp, Guardian bldg, Cleveland, O.
Auten Andrew, Rose bldg, Cleveland, O.
Baker Harry F., 4629 Lake Harriet blvd, Minneapolis, Minn.
Baumann L., 3233 Portis av, St. Louis, Mo.
Bell Bruce A., Easton, Pa.
Bemis Addison L., Worcester, Mass.
Benton Wm. H., Bond bldg, Washington, D. C.
Bird Louis F., 156 5th av, New York
Berckmans P. J. Co., Augusta, Ga.
Boehler Chas. F., Kresge bldg, Detroit, Mich.
Bonnell J. V., 1 B'way, New York
Bowditch Jas. H., Tremont bldg, Boston, Mass.
Brant Louis, 1900 Euclid av, Cleveland, O.
Breed Edward W., 340 Main, Worcester, Mass.
Brett & Hall, 248 Boylston, Boston, Mass.
Brenckerhoff Arthur F., 527 5th av, New York
Brinley & Holbrook, 156 5th av, New York
Bryan H. F., 1802 W 50th, Los Angeles, Cal.
Bullard Elizabeth (Miss), 472 Park pl, Bridgeport, Conn.
Burley Jas. L., 347 5th av, New York
Burnap George, 808 17th, N W, Washington, D. C.
Burr Henry E., Orange, N. J.
Caparn Harold A., 220 W 42nd, New York
Carpenter A. N., Galesburg, Ill.
Carr L. W., 154 East av, Cleveland, Ohio
Cassebeer Walter H., 17920 Detroit, Rochester, N. Y.
Chapman J. L., 720 Robinson av, San Diego, Cal.
Childs Neal T., Co., 68 Post, San Francisco, Cal.
Clapp & Abercrombie Co., Greenfield, Mass.
Clark Elizabeth B., 235 S 11th, Philadelphia, Pa.
Clark G. Aldersey, 46 Cornhill, Boston, Mass.
Coe E. F., 103 Alden av, New Haven, Conn.
Coffin M. C., 73 E 92d, New York
Cole L. S., 14 E Jackson blvd, Chicago, Ill.
Colton Reuben, 31 Massachusetts av, Boston, Mass.
Colwell E. F., 6523 Euclid av, Cleveland, Ohio
Comey & Frost, Abbott bldg, Boston, Mass.
Conard D. R., Hartman bldg., Columbus, O.
Cook-Rankin-Wyckoff, 112 W 9th, Los Angeles, Cal.
Coppola D., Echester rd & Pelham Parkway, New York
Coppala Ra Faillo, Pennyfield av., New York
Cotton H. W., 406 Centre, Newbury, Mass.
Cowell Arthur W., State College, Pa.

Cridland Robert B., Bailey bldg, Philadelphia, Pa.
Curtis J. H., 220 Devonshire, Boston, Mass.
Dean Ruth, 137 E 55th, New York
De Forest Alling, Sibley bldg., Rochester, N. Y.
De Hertogh Ruckaberle & Co., 25 W 42d, New York
Desmond Theo. H., Hartford, Conn.
Di Roma Tony, 33 Evelyn pl, New York
Drake & Jackson, Chamber of Commerce bldg, Detroit, Mich.
Draper E. S., 507 5th av, New York
Dunn Cooper M., State Life bldg, Indianapolis, Ind.
Edgerton William S., 234 Lark, Albany, N. Y.
Elliott J. Wilkinson, 336 4th av, Pittsburgh, Pa.
Endres H. W., Syndicate Trust bldg, St. Louis, Mo.
Essig W. W. & Co., Griswold Hotel, Detroit, Mich.
Estep Miles E., Paulsen bldg, Spokane, Wash.
Fairfield Landscape & Nurseries Co., 103 Park av, New York
Faragher B. P., 10600 Euclid av, Cleveland, O.
Faraquehar R. A. J. & Co., 6 S. Market, Boston. Mass.
Farrend Mrs. Beatrix, 21 E 11th, New York
Fenollosa, White & Shufeldt, 101 Tremont, Boston, Mass.
Fish Charles R. & Co., Worcester, Mass.
Flournoy Addison H., McClean bldg, Washington, D. C.
Forester Landscape, Ltd., 71 B'way, New York
Fowler Clarence, 15 E. 40th, New York
French Chas. G., 50 Church, New York
Frosch Berthold, 413 4th av, Pittsburgh, Pa.
Fullgraf C. W., St. Louis County Bank bldg, St. Louis, Mo.
Gass John, 600 Hastings, Pittsburgh, Pa.
Gay Willard W., 70 E 45th, New York
Geiffert Alfred, Jr., 527 5th av, New York
Gott Francis H., 154 East av, Rochester, N. Y.
Greenfield Jas. L., 1 Broadway, New York
Greenleaf Jas. L., 1 B'way, New York
Griffin Walter Burley, 175 W Jackson bl, Chicago, Ill.
Hare & Hare, Gumbel bldg, Kansas City, Mo.
Harrison Walter H., La Mott, Pa.
Hartman J., 106 W 96th, New York
Hartwick E. F. & Co., Kresge bldg, Detroit, Mich.
Helder Arthur H., Kansas City, Mo.
Hertlein J. P. A., Louisville, Ky.
Hettinger Henry C., McHenry, Ill.
Hill Mrs. Florence M., 202 W 74th, New York
Hinchman & Pilat, 52 B'way, New York
Hobbs & Dunn, State Life bldg, Indianapolis, Ind.
Honess Frank C., 24 S Sprague av, Pittsburgh, Pa.
Horvath M. H., 649 Leader, Cleveland, O.
Howard Francis, 7 W 47th, New York
Howard, Paul J., 1521 W 7th, Los Angeles, Cal.
Howard W. B., Jr., 15 Broad, New York
Hoyt E. S., 38 W 11th, New York
Hubbard H. V., 101 Tremont, Boston, Mass.
Hungerford Darius, 842 Bradword av N, Nashville, Tenn.
Hunt W. W. & Co., 24 State, Hartford, Conn.
Ilgenfritz E. C. & Co., 30 Prentiss av, Detroit, Mich.
Jay Mary R., 101 Park av, New York
Johnson I. M. Co., 3245 22d av S., Minneapolis, Minn.
Keen Chas. Barton, 1218 Chestnut, Philadelphia, Pa.
Kellaway Herbert J., 12 West, Boston, Mass.
Kelsey F. W. Nursery Co., 150 B'way, New York
Kelsey Harlan P., Salem, Mass.
Kennard F. H., 220 Devonshire, Boston, Mass.
Kessler Geo. E. & Co., Security bldg, St. Louis, Mo.
Keyser Clarence A., 41 S 15th, Phila., Pa.
King John J., 1600 Morningside av, Pittsburgh, Pa.
Klehm John & Sons, 428 Jefferson, Milwaukee, Wis.
Klose J. Chas., West Hoboken, N. J.
Krautheim Edward, 5335 Westminster av, Philadelphia, Pa.
Langdon Jas. G., Munsey bldg, Baltimore, Md.
Lauderburn D. E., 156 5th av, New York
Lay Chas. Downing, 15 E 40th, New York
Leavitt Chas. W., Jr., 220 B'way, New York
Leonard Elizabeth, Abbott bldg, Cambridge, Mass.
Le Sure-Fuller Co., Peoria Life bldg, Peoria, Ill.
Lewis & Valentine Co., 47 W 34th, New York
Lloyd Percival M., Poughkeepsie, N. Y.
Lowrie C. N., 101 Park av, New York
McClure Geo. W. & Son, 34 Gates Circle, Buffalo, N. Y.
McDougall G. M. Co., 45 Monument pl, Indianapolis, Ind.
McGregor James, Pelham Bay Park, New York
MacRorie-McLaren Co., 141 Powell, San Francisco, Cal.
Magne Wm. H., West Newton, Mass.
Mallett Geo. A. Co., 1005 Broad, Bridgeport, Conn.
Mampoteng Fred, 103 Park av, New York
Manehan F. T., 12 Fairview av, Spokane, Wash.
Manning Warren H., Tremont bldg, Boston, Mass.
Martin H. H. Co., 15 E 40th, New York
Meehan Thos. & Sons, Chew & Phil-Ellena, Phila., Pa.
Meier Theo. G., Monadnock bldg, San Francisco, Cal.
Meinersman H. T. Co., Steger bldg., Chicago, Ill.
Merrill Chas. B. & Co., 53 Bowers, Newtonville, Mass.
Miller Geo. Evans, 5900 Washington, Phila., Pa.
Miller Geo. H., 6 Beacon, Boston, Mass.
Miller L. L., 143 Liberty, New York
Morell & Nichols, Palace bldg, Minneapolis, Minn.
Morse Leonard, 41 S 15th, Phila., Pa.
Moser A. P., 803½ E Main, Richmond, Va.
Movius & Rotch, 89 State, Boston, Mass.
Mueller P. L., 4845 Bryant, S. Minneapolis, Minn.
Muller Sealy Co., 145 W 45th, New York
Munger Walter R. Co., Lincoln Court Inn bldg, Cincinnati, O.
Munson-Whitaker Co., 470 4th av, New York
Murray Thomas N., Monadnock bldg, San Francisco, Cal.
Muskopf & Irish Co., Boatmen's Bank Tr. bldg, St. Louis, Mo.
Negus S. P., 284 Dart, Boston, Mass.
Nichols Arthur R., Palace bldg, Minneapolis, Minn.
Nutter F. H., Palace bldg., Minneapolis, Minn.
O'Connor Jas., Penfield bldg., Phila., Pa.
Olmstead Bros., Brookline, Mass.
Pain & Young, Tampa, Fla.
Parke David, 300 Elysian av, Pittsburgh, Pa.
Parker, Bateman & Chase, Clinton, Mass.
Parsons Samuel, 101 Park av, New York
Paul & Ford, 1424 Walnut, Phila., Pa.
Pentecost Geo. F., Jr., 15 E. 40th, New York
Perl Bros., N. Y. Life bldg, Minneapolis, Minn.
Phelps J. Wesson, 26 State, Hartford, Conn.
Phillips & Wilcox, Kresge bldg, Detroit, Mich.
Pierson A. S., Morrison, N. J.
Pilat Carl F., 52 B'way, New York
Pitkin Wm., Jr., Guardian bldg, Cleveland, O.
Platt Chas. A., 101 Park av, New York
Pond & Robinson, 101 Tremont, Boston Mass.
Powell W. Angelo, 615 S 15th, St. Joseph, Mo.
Prager Oscar A., 742 Market, San Francisco, Cal.
Pratt Henry M., 53 State, Boston, Mass.
Pratt Richard H., 13 W Saratoga, Baltimore, Md.
Pray, Hubbard & White,, 101 Tremont, Boston, Mass.
Prudential Nursery & Landscape Co.,, Dime Bank bldg, Detroit, Mich.
Punchard W. H., 284 Dart, Boston, Mass.
Purcell & Elmslie, N. W. Nat'l Life bldg, Minneapolis, Minn.
Quimby Ralph A., 53 State, Boston, Mass.
Records Francis B., Jr., 220 Devonshire, Boston, Mass.
Reding & Howard, 11 E Lexington,, Baltimore, Md.
Reeves & Ramsey, Putnam bldg, Davenport, Ia.
Rich & Putnam, 104 S Warren, Syracuse, N. Y.
Richie Wm. H., 41 S 15th, Philadelphia, Pa.
Rogers Geo. C. D., Morristown, N. J.
Roman Landscape Contng Co., Inc., 15 E 40th, New York
Ross H. Wilson, Newton Centre, Mass
Rosary Flower Co., Inc., 423 Park av, New York
Ruedlinger C. N., St. Louis Park, Minneapolis, Minn.
Saltus Roelin S., 9 E 41st, New York
Sanger W. Prentice, 21 W 40th, New York
Sargent A. R., 225 5th av, New York
Schermerhorn Richard, Jr., 363 Lexington av, New York
Schwagari Edw. D., Washington bldg, Tacoma, Wash.
Searles E. M., 3327 Market, San Diego, Cal.
Sears Thos. W., 107 Westminster, Providence, R. I.
Sears & Wendell, 1424 Walnut, Philadelphia, Pa.
Shapleigh Bertram, 5 W 47th, New York
Shaw J. D., 510 S Spring, Los Angeles, Cal.
Shermerhorn Richard Jr., 347 5th av, New York
Shurtleff Arthur A., 89 State, Boston, Mass.
Smillie Edw. S., 394 Central, Newton, Mass.
Smith A. W. Co., Keenan bldg, Pittsburgh, Pa.
Smith F. L. & Co., 7033 Hermitage, Pittsburgh, Pa.
Smith Paul R., 89 State, Boston, Mass.
Smith S. C., 107 Westminster, Providence, R. I.
Spinner F. E. & Co., 35 Warren, New York
Steele Fletcher, 88 Broad, Boston, Mass.
Stiles Wayne E., 95 Oliver, Boston, Mass.
Stinchcomb & Boddy, Engineers bldg, Cleveland, Ohio
Strittmatter A., 444 Field av, Detroit, Mich.
Supplee Co., 5900 Washington, Phila., Pa.
Taylor A. D., 1900 Euclid av, Cleveland, Ohio
Temblett Wm. H., 11117 Willowmere av, Cleveland, O.
Thiene P. G., 112 W 9th, Los Angeles, Cal.
Thomas Jeffrey P., 615 6th, Watervliet, N. Y.
Titus John E., Newton Upper Falls, Mass.
Tooker E. Post, 101 Park av, New York
Townsend & Fleming, Prudential bldg, Buffalo, N. Y.
Tripp A. F., 44 College, Providence, R. I.
Tucker William, 35 Nassau, New York
Tuschinsky Alex., Indiana Pythian bldg, Indianapolis, Ind.
Underwood Loring, 15 Exchange, Boston, Mass.
Vermeulen A. A., 253 S B'way, Los Angeles, Cal.
Vinal Ralph S., 46 Cornhill, Boston, Mass.
Vitale, Brinckerhoff & Geiffert, 527 5th av, New York
Vitale & Rothery, 527 5th av, New York
Von Hoffman Ferdinand, 1118 Tinton av, New York
Wadley & Smythe, 491 5th av, New York
Weinrichter R. M., Cutler bldg, Rochester, N. Y.
Weston, Shepard & Davison, 36 E 23d, New York
Wheelwright Robert, 15 E 40th, New York
White Elm Nursery Co., 738½ Cramer, Milwaukee, Wis.
White Margaret, 11 Highland, Cambridge, Mass.
Woolner W. C., 131 State, Boston, Mass.
Wright F. L. Jr., 112 W 9th, Los Angeles, Cal.
Wyman P., Essex bldg, Minneapolis, Minn
Wyman P., McKnight bldg, Minneapolis, Minn.
Wustrow K. A., 920 17th, N W, Washington, D. C.
Yates Thaddeus N. & Co., 7356 Grant av, Philadelphia, Pa.
Yeo Robert J., 524 Massachusetts av, Boston, Mass.
Yoch F. T. (Miss), 210 W 7th, Los Angeles, Cal.
Young Jos. H., 34 S 16th, Phila., Pa.
Ziccardi & Weiler, 9706 Madison av, Cleveland, O.

## Architects (Mill)

See Engineers, Mill

## 229— Architects (Naval)

**Alden John, 131 State, Boston, Mass.**
Babcock & Penton, 120 B'way, New York
Ballin F. A., Worcester bldg, Portland, Ore.
Barney Morgan, 187 Greenwich av, New York
Bowers & Mower, Chestnut & 5th, Phila., Pa.
Bowes Thos. B., 822 Lafayette bldg, Philadelphia, Pa.
Burbank Ralph N., 75 State, Boston, Mass.
Burgess W. Starling Co. (Ltd), Marblehead, Mass.
Burwell Elliott N., 65 Griggs rd, Boston, Mass.
**Callis D. Millard, Munsey bldg., Baltimore, Md.**
Cookson, Walter & Callahan, San Pedro.
Coolidge L. H., Seattle, Wash.
Cornell & Matthews, Bulletin bldg, Phila., Pa.
Cox & Stevens, 15 William, New York
Crowninshield B. B., 75 State, Boston, Mass.
Crouch Geo. F., 2511 Sedgwick av, New York
Curtis W. H., Louis bldg, Portland, Ore.
Deed Wm. J., Jr., 112 Water, Boston, Mass.
Dickie D. W. & R. Z., 112 Market, San Francisco, Cal.
Donald James, 17 Battery pl, New York
Donnelley Wm. T., 17 Battery pl, New York
Downey Wallace, 5 Nassau, New York
Farley Edw. P. Co., Ry. Exch. bldg, Chicago, Ill.
Ferris Theo. E., 30 Church, New York
Fulton Allan W. & Co., 602 E Pratt, Baltimore, Md.
Furstenau Martin C., 308 Walnut, Phila., Pa.
Gardner William & Co., 1 B'way, New York
Gaskin Edw., Buffalo, N. Y.
Geary L. E., Pier 1, Seattle, Wash.
Germain Louis, Saginaw, Mich.
Gielow & Orr, 52 B'way, New York
Hall Bros. Marine Railway & Shipbuilding Co., 312 California, San Francisco, Cal.
Hand W. H. Jr., New Bedford, Mass.
Harris Leonard B., 233 B'way, New York
Hatch Southmayd, ft Fordham, New York
Hillmann Gustav F. C., 470 Green av, Brooklyn, N. Y.
Hughes C. H., 82 Beaver, New York
Hull Ernest H., 10 E 47th, New York
Isherwood J. W., 17 Battery pl, New York
Johnson Eads M. E., Inc., 115 B'way, New York
Jones Frank Bowne, 29 B'way, New York
Jones Yacht Agency, 29 B'way, New York
Kidd Jos. & Son, Palladio bldg, Duluth, Minn.
Kindlund & Drake, 17 Battery pl, New York
Kromholz L., 1765 Townsend av, New York
Lane & Wyman, 576 Quinnipiac av, Bridgeport, Conn.
Lee & Brinton, Seattle, Wash.
Lord F. K., 120 B'way, New York
McAllaster & Bennett, Central bldg, Seattle Wash.
McClelland N. E. & Co., Ltd., 2 Stone, New York
McClunie J. A., 177 Asylum, Hartford, Conn.
Millard J. W. & Bro., 17 State, New York
Mower Chas. D., 347 Madison av, New York
Nock F. S., East Greenwich, R. I.
Ohyama T. H., Woolworth bldg, New York
Owen Geo. Newton, Boston, Mass.
Palanca A., 291 B'way, New York
Reid John & Co., 17 Battery pl, New York
Rimmer A. C., 149 B'way, New York
Row & Davis Engineers, Inc., 90 West, New York *See adv index at end of book*
Shepard Geo. C., Munsey bldg., Baltimore, Md.
Simpson Geo., 17 Battery pl, New York
Smith Bros., Rockefeller bldg, Cleveland Ohio
Stratton E. Platt, 80 Broad, New York
Swanson Peter, Belvedere, Cal.
Swasey, Raymond & Page, 100 Bolyston, Boston, Mass.
Tams, Lemoine & Crane, 52 Pine, New York
Thayer Horace H., Jr., 140 N Broad, Philadelphia, Pa.
Versoy Irving R., Morris Cove, New Haven, Conn.
Wales Merton W., 2687 Marion av, New York
Watts J. Murray, Bulletin bldg., Phila., Pa.
Westcott & Mapes Inc., New Haven, Conn.
Whittelsey & Whittelsey, 17 Battery pl, New York
Wintringham & Wells, 32 B'way, New York
Wood W. J., 140 W Van Buren, Chicago, Ill.
Young Benj. P., 2 Stone, New York
Young Rakestraw & Ferguson, 15 William, New York

## 230—Architects (Paper & Pulp Mill)

See also Engineers, Mill

Anderson & Jones, Carthage, N. Y.
Bigelow W. C., Biddeford, Me.
Buss Edward A., 85 Water, Boston, Mass.
Chapman C. A., Inc., 28 E Jackson blvd, Chicago, Ill.
Ellsworth & Howes, Holyoke, Mass.
Hardy Geo. F., 309 B'way, New York
Kimball Herbert S., 75 State, Boston, Mass.
Newhall Geo. M., Com'l Trust bldg, Phila, Pa.
O'Keefe-Orbison Engineering & Construction Co., Appleton, Wis.
Pride C. B., Realty bldg, Spokane, Wash.
Wallace Jos. H. & Co., 5 Beekman, New York

## 231— Architects (Theatre)

Allen John D., Heed bldg, Phila, Pa.
Blackall, Clapp & Whittemore, 20 Beacon, Boston, Mass.
Kimball Francis H., 71 B'way, New York
Koehler V. Hugo, 2 Columbus Circle, New York
Lempert Leon H. & Son, Cutler bldg, Rochester, N. Y.
Lovell Sidney, 30 N Michigan, Chicago, Ill.
McElfatrick Wm. H., 701 7th av, New York
Packard F L., Hayden bldg, Columbus, O.

## 232—Architects' & Engineers' Instruments & Supplies

See also Engineering & Surveying Instruments; also Drawing Materials

Abbott A. H. & Co., 293 S Wabash av, Chicago, Ill
**ACME BLUE PRINT PAPER CO.**, 115 S Dearborn, Chicago, Ill.
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Adams & White Co., 94 Pearl, Buffalo, N. Y.
Albrecht Chas. R., 62 Fulton, New York
Aloe A. S. Co., 513 Olive, St. Louis, Mo.
Altemeier Theo. & Sons, 1217 Spring Garden, Phila., Pa.
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Amsler Blue Print Co., 30 Church, New York
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Clarke & Courts, Galveston, Tex.
Cole H. Co., 68 E Day, Columbus, O.
Crocker H. S. Co., 565 Market, San Francisco, Cal.
Crofoot Nielsen & Co., 172 Washington, Chicago, Ill.
*See adv index at end of book*
Designers' Instrument Co., 3323 N. Clark, Chicago, Ill.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Electro Sun Co., Inc., 161 Washington, New York.
*See adv index at end of book*
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Favor, Ruhl & Co., 43 W 23rd, New York
Fielder & Allen Co. (Dealer), Atlanta, Ga.
Fink Instrument Co., 804 Pine, St. Louis, Mo.
Frost & Adams Co., 25 Arch, Boston, Mass.
Geier & Bluhm, Troy, N. Y.
Graham J. W. & Co., Spokane, Wash.
Gurley W. & L. E., Troy, N. Y.
Hemp C. E., Hamilton, O.
Jambor Mfg. Co., 911 Center, Milwaukee, Wis.
Johnston J. W. ("Snow White" Marking Fluid), New Arts bldg, Rochester, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Knight F. C. & Co., 400 Locust, Phila., Pa.
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Lewery L. J. & Co., Inc., 12 Battery pl, New York
McCollin Thos. H. & Co., 54 N 9th, Phila., Pa.
Makepeace B. L., 387 Washington, Boston, Mass.
Multi Color Copying Co., 125 Woodward av, Detroit, Mich.
New York Blue Print Paper Co., 102 Reade, New York
Newton Automatic Shading Pen Co., Pontiac, Mich.
Pease C. F., Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Peerless Blue Print Co., 341 5th av, New York
Pennsylvania Instrument Co., 618 Chestnut, Phila., Pa.
*See adv index at end of book*
Pfister Wm. H., 230 W 4th, Cincinnati, O.
Post Fred'k Co., 3635 N Hamlin av, Chicago, Ill.
Prince L. M. Co., 108 W 4th, Cincinnati, O.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Robbins Chas H. Jr., 125 S 11th, Phila., Pa.
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Ulmer J. C. Co., E 38th & Kelly, Cleveland, Ohio
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Weil J. H. & Co., 1306 Arch, Phila., Pa.
White David Co., 419 E Water, Milwaukee, Wis.
Williams, Brown & Earle, 918 Chestnut, Phila., Pa.
Wissler A., B'way & Washington av, St. Louis, Mo.
Young & Sons, 43 N 7th, Phila., Pa.

## Architectural Brass Work

See Grilles, Brass & Bronze

## 233— Architectural Faience

Cambridge Tile Mfg. Co., Covington, Ky.
Grueby Faience & Tile Co., Perth Amboy, N. J.
Hartford Faience Co., Hartford, Conn.
Manton & Smith Co., 1709 W Austin av, Chicago, Ill.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Rookwood Pottery Co., Rookwood Pl, Mt. Ad., Cincinnati, O.

## Architectural Iron

See Iron, Architectural & Ornamental

## Architectural Sculptors

See Modelers & Sculptors, Architectural; Carvers, Stone; Carvers, Wood, Classic

## 234—Architectural Water Colorists & Pen & Ink Artists

Buck Lawrence, 64 E Vanburen, Chicago, Ill.
Campbell Walter M., 8 Beacon, Boston, Mass.
Hawley Hughson, 1 Union sq, W, New York
Hewlett William A., 1265 B'way, New York

## 235— Arecolire

**Hoffmann-La Roche Chemical Works, 440 Washington, New York**

## 236— Argols

Fuller, Ralph L., & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Herrick & Voigt, 68 Maiden Lane, New York
Innis, Speiden & Co., Inc., (White & Red), 46 Cliff, New York
*See adv index at end of book*
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## Armature Lifts

See Lifts, Motor, Car Pit

## 237—Armature Re-Winding & Commutator Re-Filling

Advance Electric & Mfg. Co., Kansas City, Mo.
Bissell F. Co., Toledo, O.
Cameron Elec'l Mfg. Co., Ansonia, Conn.
Capital Elec. Co., Springfield, Ill.
Chattanooga Armature Works, Chattanooga, Tenn.
Cleveland Armature Works, Inc., 4736 St. Clair av, Cleveland, O.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Commutator Co., 121 N 1st, Minneapolis, Minn.
Cooke-Wilson Electric Supply Co., Imperial Power bldg, Pittsburgh, Pa.
Dittrick & Jordan Electric Co., 8700 Lorain av, Cleveland, O.
Doubleday-Hill Electric Co., 719 Liberty ave, Pittsburgh, Pa.
Downing-Smith Co, 430 S Green, Chicago, Ill.
Electric Supply Co., Charleston, S. C.
**Electro-Dynamic Co., Bayonne, N. J.**
Electromechanical Co., 530 N Calvert, Baltimore, Md.
Eureka Co., North East, Pa.
Findlay Elec. Co., 215 S 5th, Minneapolis, Minn.
Flint Electric & Mfg. Co., Denver, Col.
Godsey & Fry, Richmond, Va.
Gregory Elec. Co., 1601 S Lincoln, Chicago, Ill.
Guyan Machine Shops, Logan, W. Va.
Homer Commutator Co., 4748 Hough av N E, Cleveland, O.
Houston Armature Works, Houston, Texas
Jordan Bros., 74 Beekman, New York
Kester Electric Co., Terre Haute, Ind.
King Coil & Mfg. Co., Scofield bldg, Cleveland, O.
Leacock A. M., 85 Columbia, Newark, N. J.
Littlefield H. A. & Co., West Lynn, Mass.
Major M. E., Elec. Co., Wilkes-Barre, Pa.
Pearson John W. Co., 839 W Lake, Chicago, Ill.
Pittsburgh Electrical & Machine Works, Barker pl, Pittsburgh, Pa.
Ridlon Frank Co., 251 A, Boston, Mass.
Scranton Elec. Const. Co., Scranton, Pa.
Utica Armature Works, Utica, N. Y.
Wente Electric Co., Hamilton, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 238— Armatures

See also Coils, Armature & Field

Arrow Mfg. Co., 618 Broadway, Toledo, O.
Bissell F. Co., Toledo, O.
Cameron Elec'l Mfg. Co., Ansonia, Conn.
Capital Elec. Co., Springfield, Ill.
Cleveland Armature Works, Inc., 4736 St. Clair av, Cleveland, O.
Columbus Electrical Works Co., 247 N Front, Columbus, O.
**Commutator Co., 121 N 1st, Minneapolis, Minn.**
**Cooke-Wilson Electric Supply Co., Imperial Power Co., Pittsburgh, Pa.**
**Downing-Smith Co., 430 S Green, Chicago, Ill.**
**Findlay Elec. Co., 215 S 5th, Minneapolis, Minn.**
General Electric Co. ("Elec"), Schenectady, N. Y.
*See adv index at end of book*
Leacock A. M., 85 Columbia, Newark, N. J.
Littlefield H. A. & Co., West Lynn, Mass.
Major M. E. Elec. Co., Wilkes-Barre, Pa.
Pearson John W. Co., 839 W Lake, Chicago, Ill.
Pittsburgh Armature Works, 207 S Main, Pittsburgh, Pa.
Wente Electric Co., Hamilton, O.
**WESTINGHOUSE ELEC. & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 238a— Arms (Tone)

General Phonograph Corp., 25 W 45th, New York
Heineman Otto, Phonograph Supply Co., 25 W 45th, New York
Thomas Mfg. Co., Dayton, O.
United Mfg. & Distributing Co. ("United"), 536 Lake Shore drive, Chicago, Ill.

## 239— Arresters (Lightning)

American Elec. Co., 6401 S State, Chicago, Ill.
Brach L. S. Supply Co., 129 Sussex av, Newark, N. J.
Bunnell J. H. & Co., 32 Park pl, New York
**Butler-Edwards Electric Co. (Mercury),** Easton, Pa.
Central Tel. & Electric Co. (For Telephone), 310 N 11th, St. Louis, Mo.
Chance Mfg. Co. ("Sky-Rocket," for Telephone & Telegraph), Centralia, Mo.
**Chicago Fuse Mfg. Co. (For Telephone & Telegraph), 1014 W Congress, Chicago, Ill.** *See adv index at end of book*
Cook Frank B. Co. (Sneak Current for Light, Power, Telephone & Telegraph), 326 W Madison, Chicago, Ill.
Cox Lightning Arrester, Eaton, O.
D. & W. Fuse Co., Hathaway, Providence, R. I.
Delta-Star Electric Co. (High Tension Type, Pole Mounting), 2437 Fulton, Chicago, Ill.
Electric Service Supplies Co. ("Garton-Daniels," for Light & Power), 17th & Cambria, Phila., Pa.
Foote, Pierson & Co. ("Argus," for Telephone & Telegraph), 160 Duane, New York
**GENERAL ELECTRIC CO.** (For Light & Power), Schenectady, N. Y.
*See adv index at end of book*
General Railway Signal Co., Rochester, N. Y.
Harvard Electric Co. (For Telephone & Telegraph), 525 W Van Buren, Chicago, Ill.
Holtzer-Cabot Electric Co. (For Telephone & Telegraph), 125 Amory, Boston, Mass.
Hubbard & Co. ("Universal"), 63d & Butler, Pittsburgh, Pa.
Insulator Arrester Co., Duluth, Minn.
Kellogg Switchboard & Supply Co. (For Telephone & Telegraph), 1066 W. Adams, Chicago, Ill.
Lafayette Electric & Mfg. Co. ("Ledic" for Telephone & Telegraph), Lafayette, Ind.
Leich Elec. Co., Genoa, Ill.
Lime Material Co., South Milwaukee, Wis.
Lord Mfg. Co. ("Shaw" Non-Arcing, "Multi-Vapo-Gap," for Light, Power, Telephone & Telegraph), 105 W 40th, New York
McIntire Chas. Co., 35 Vesey, Newark, N. J.
Manhattan Electrical Supply Co. (For Light, Power, Telephone & Telegraph), 17 Park pl, New York
*See adv index at end of book*
Menominee Elec. Mfg. Co. (For Telephone & Telegraph), Menominee, Mich.
Minnesota Electric Co. ("Chapman," for Light, Power & Telephone), 309 2nd av S, Minneapolis, Minn.
National Electric Specialty Co. ("Vac-M," for Telephone & Telegraph), Toledo, O.
Phila. Electric Constr. Co. (For Telephones), Heed bldg, Phila., Pa.
Railroad Supply Co. (For Railway Signals), 203 S Dearborn, Chicago, Ill.
Railway & Industrial Engng. Co., People's Bk. bldg., Pittsburgh, Pa.
Reliable Electric Co. ("Reliable"), 411 S Sangamon, Chicago, Ill.
Royal Elec. Co., Sidney, O.
Shaw Insulator Co., 5 Kirk pl, Newark, N. J.
Schweitzer & Conrad, Inc., 4431 Ravenswood av, Chicago, Ill.
United Electric Supply Co., Marion, O.
Western Electric Co., 463 West, New York.
**WESTINGHOUSE ELEC. & MFG. CO.** (For Light & Power), East Pittsburgh, Pa. *See adv index at end of book*

## 240—Arresters (Spark, Electric)

Brady Electric Mfg. Co. (Electric Lamp), New Britain, Conn.
Phila. Electrical & Mfg. Co., 1236 N. 31st, Phila., Pa.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELEC. & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 241-2-3-4—Arresters (Spark, Locomotive, Traction Engine, Etc.)

Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
Casey-Hedges Co., Chattanooga, Tenn.
Hendrick Mfg. [illegible] Carbondale, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
South Bend Spark Arrester Co., South Bend, Ind.
Tyler W. S. Co., Cleveland, O.
*See adv index at end of book*
Wickwire Spencer Steel Corp. ("Excelsior" Wire Cloth), Worcester, Mass.
*See adv index at end of book*

## Arsenate of Lead

See Lead Arsenate

## Arsenate of Soda

See Sodium Arsenate

## Arsenate of Zinc

See Zinc Arsenate

## 245— Arsenic

American Metal Co., 61 B'way, New York
American Smelting & Refining Co. (White), 120 B'way, New York
Anaconda Copper Mining Co., Butte, Mont.
Atkins, Kroll & Co., 311 California, San Francisco, Cal.
Beer, Sondheimer & Co. Inc., 61 B'way, New York
Chrystal Chas. B. (Imp.) 13 Cliff, New York *See adv index at end of book*
Cooper Chas. & Co. (Red), 194 Worth, New York
Dingelstedt & Co., 21 State, New York
Doggett Stanley (Imp), 11 Cliff, New York
Drakenfeld B. F. & Co. (Imp), 50 Murray, New York
Ducas B. P. Co. (Imp Red), 25 S William, New York
Fuerst Bros. & Co., 2 Stone, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hill's Edw. Sons & Co. (Agents & Imp), 64 Wall, New York
Hummel & Robinson (Red), 26 Cortlandt, New York
Industrial Minerals Co., Inc, 525 Phelan bldg, San Francisco, Cal.
Innis, Speiden & Co., Inc. (White & Red), 46 Cliff, New York
*See adv index at end of book*
Klipstein A. & Co. (Imp Saxony & Silesia Red), 644 Greenwich, New York
McKesson & Robbins (Imp), 91 Fulton, New York
Marden, Orth & Hastings Co. (Red), 136 Liberty, New York
Marden, Orth & Hastings Corpn (Red), 61 B'way, New York
Niasco Chemical Co., New Market, N. J.
Raritan Chemical Works, 8 W 40th, New York
Roessler & Hasslacher Chemical Co. (Red & White), 709 6th av, New York
**Tennant C. Sons & Co. of N. Y. (Imp), 100 William, New York**
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U. S. Smelting, Refining & Mining Co. (White) ("U. S. S. Co."), 120 B'way, New York
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Plumbing Gaskets
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## 245a— Arsenic (Bromide)

Dow Chemical Co., Midland, Mich.

## Arsenic (Red)

See Arsenic

## 246— Arsenic (White)

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Chipman Chemical Engineering Co. Inc., 95 Liberty, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
U. S. Smelting Co., Midvale, Utah
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Art Metal Work

See Grilles, Brass & Bronze; also Grilles, Wrought Iron

## 246a— *Artesian Wells

See also Well Drilling Machy.
Sweeney & Gray Co., 81 to 85 6th, Long Island City, N. Y.
*See adv index at end of book*

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## 246b— Asbestine

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Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
**WILLIAMS C. K. & CO.**, Easton, Pa.
*See adv index at end of book*

## 246c— *Asbestine Pulp

**INTERNATIONAL PULP CO.** ("Asbestine"), 41 Park row, New York

## 247—Asbestos Building Lumber

Asbestos Wood Co., Nashua, N. H.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Hoffman Magnesite Co. ("Hoffite" Flooring, "Hoffite Plastic"), Monadnock bldg, San Francisco, Cal.
Johns-Manville Co. H. W. ("Johns-Manville"), Madison av & 41st, New York
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
Standard Asbestos Co., 75 Fulton, New York

## Asbestos Cloth

See Asbestos Material

## Asbestos Cooking Utensils

See Asbestos Household Articles; also Asbestos Material

## 248—Asbestos Corrugated Sheathing (Reinforced)

Asbestos Shingle, Slate & Sheathing Co. (With Woven Wire), Ambler, Pa.

## Asbestos Coverings

See Pipe & Boiler Coverings, Asbestos

## 249— Asbestos Felting Mfrs.

Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Franklin Mfg. Co., Franklin, Pa.
Johns H. W.-Manville Co., Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
Watson H. F. Co., Erie, Pa.

## 250— Asbestos Fibre

**American Asbestos Co. (Carded), Norristown, Pa.**
Asbestos & Mineral Corp., 17 Battery pl, New York
Asbestos Textile Co., 233 B'way, New York
Johns-Manville Co. H. W. ("John-Manville"), Madison av & 41st, New York
Mikesell Bros. Co. (Carded & Crude), 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Standard Asbestos Co., 75 Fulton, New York

## 251-2—Asbestos Gloves & Mitts

American Asbestos Co., Norristown, Pa.
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos Textile Co., 233 B'way, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Johns-Manville Co., H. W., Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Mikesell Bros. Co., 156 N La Salle, **Chicago, Ill.**
*See adv index at end of book*
Safety First Supply Co., 107 3d av, Pittsburgh, Pa.
Simplex Safety Apparel Co., 1360 N Wells, Chicago, Ill.
Standard Asbestos Co., 75 Fulton, New York
Wheeler F. H. Mfg. Co., 215 W Huron, Chicago, Ill.
Wheeler & Holcomb Co. ("Universal"), 1360 Wells, Chicago, Ill.

## 253—Asbestos Listing or Tape

American Asbestos Co., Norristown, Pa.
Asbestos Textile Co., 233 B'way, New York
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
General Asbestos & Rubber Co. ("Garco"), Charleston, S. C.
Johns-Manville Co., H. W., Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill
*See adv index at end of book*
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Standard Asbestos Co., 75 Fulton, New York

## 254— Asbestos Material

See also Asbestos Paper & Mill Board Mfrs
Acme Asbestos Covering & Supply Co., 404 N Ada, Chicago, Ill.
*See adv index at end of book*
American Asbestos Co. (Cloth, Yarns, Cords, Tapes, etc), Norristown, Pa.
American Asbestos & Mfg. Co., 58 Sutter, San Francisco, Cal.
**AMERICAN INSULATION CO.**, Roberts av & Stokley, Philadelphia, Pa.
*See adv index at end of book*
Asbestos Co. of Calif., 16 Katoma, San Francisco, Cal.
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos & Rubber Works of America (Yarns, Cloth, etc), 58th & B'way, New York
Asbestos Textile Co. (Cloth Cord Rope, Wick & Yarn), 233 B'way, New York
Atlantic Asbestos Co., 132 N 2d, Phila., Pa.
Baltimore Roofing & Asbestos Mfg. Co. ("Bramco"), Asbestos, Md.
Carbic Mfg. Co., Duluth, Minn
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.


**Hendricks' Commercial Register**

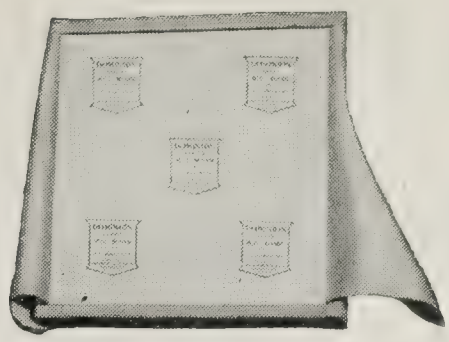
is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

**DARCOID**
**Compressed Asbestos Fibre Sheet Packing or Jointing**

Rodtite Valve Stem Packing
Sovereign Regular Expansion Packing
Rodtite High Pressure Packing
White Friction Fine Duck Packing
Earl Square Flax Packing

**GRIPTITE**
**Woven Asbestos Brake Lining**

Darcoid Universal Valve Discs
Rubber Sheet Packing
Dominion Auto Sheet Packing
Rodtite Auto Pump Packing
Sovereign Asbestos Wicking



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Dominion Radiator Hose
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Sovereign Ford Transmission Lining
Old Dominion Asbestos—Metallic Gaskets

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**Asbestos—**
**Tubing**
**Water,**
**Roll Board,**
**Gaskets**
**Suction,**
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**Mats**
**Air,**
**Rope,**
**Matting**
**Steam,**
**Gloves,**
**Fire**
**Mittens**

DOMINION
ASBESTOS & RUBBER CORP.

MAIN OFFICE: 154 Nassau St., New York
SERVICE BRANCHES
Baltimore, Cincinnati, Indianapolis, Los Angeles, New York—67 Murray St., Norfolk, Philadelphia, San Francisco, Seattle


Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*

**Ehret Magnesia Mfg. Co., Land Title bldg, Phila.. Pa. Works: Valley Forge, Pa.**

Excello Mfg. Co., 1836 Euclid av, Cleveland, O.

**Federal Asbestos Co., Milwaukee, Wis.**

**Fibre Rock Mfg. Co., 4566 Silverwood, Phila., Pa.**

**Franklin Mfg. Co. (Tape, Cord, Cloth, etc), Franklin, Pa.**

General Asbestos Rubber Co. ("Garco"), Charleston, S. C.

Horton F. S. Corp., 36 Whittier, Roxbury, Boston, Mass.

Illinois Fire Proof Covering Co. (Product Mfgrs.), 216 Kenzie, Chicago, Ill.

Johns-Manville Co., H. W. ("Johns-Manville" Asbestos & Allied Products), Madison av & 41st, New York

**Keasbey & Mattison Co., Ambler, Pa.**

**MIKESELL BROS. Co.** (Cloth, Yarns, Textiles), 156 N La Salle, Chicago, Ill.
*See adv index at end of book*

Miller Enwright Co., Sacramento, Cal.

National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.

New Jersey Asbestos Co., 1 Water, New York

**Roe & Conover, 206 Frelinghuysen av, Newark, N. J.**
*See adv index at end of book*

Sall Mountain Co., 305 S La Salle, Chicago, Ill.

Schaw-Batcher Co., Sacramento, Cal.

Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*

Standard Asbestos Co., 75 Fulton, New York

Standard Woven Fabric Co. (Yarns, Cloth, etc.), Walpole, Mass.

Thermoid Rubber Co., Trenton, N. J.
*See adv index at end of book*

**Trainer C. W. Mfg. Co., 55 High, Boston, Mass.**

**UNION ASBESTOS & RUBBER CO.,** 231 S Wells, Chicago, Ill.
*See adv index at end of book*

**United States Asbestos Co., Lancaster, Pa.**

**Watson H. F. Co., Erie, Pa.**

**Western Asbestos Magnesia Co., 25 S Park, San Francisco, Cal.**

## Asbestos Metallic Cloth

See Packing, Asbestos Metallic

## 255— Asbestos Miners

**Asbestos & Mineral Corp., 17 Battery pl, New York**

Jacobs Asbestos Mining Co. (Imp.), 8 W 40th, New York

**Keasbey & Mattison Co., Ambler, Pa.**

**Martin R. H. Co., 220 B'way, New York**

Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*

Sall Mountain Co. (Fibre), 305 S La Salle, Chicago, Ill.

## 256—Asbestos Paper & Mill Board Mfrs.

**See also Asbestos Material**

Acme Asbestos Covering & Supply Co., 404 N Ada, Chicago, Ill.
*See adv index at end of book*

Albion Mfg. Co., Seattle, Wash.

**AMERICAN INSULATION CO.,** Roberts av & Stokley, Phila., Pa.
*See adv index at end of book*

Aspromet Co., 1st Nat'l Bank bldg., Pittsburgh, Pa.

**Baltimore Roofing & Asbestos Mfg. Co.** ("Bramco"), Asbestos, Md.

**Carey Philip Mfg. Co., 330 Wayne av Lockland, Cincinnati, O.**

Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*

**Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa., Works, Valley Forge, Pa.**

**Franklin Mfg. Co., Franklin, Pa.**

Johns-Manville Co., H. W., Madison av & 41st, New York

**Keasbey & Mattison Co., Ambler, Pa.**

Kramig R. E. & Co., 8th & Eggleston av, Cincinnati, O.

Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*

National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.

Norristown Magnesia & Asbestos Co., Norristown, Pa.

Racich Asbestos Co.,, 609 W 55th, New York

Sall Mountain Co., 305 S La Salle, Chicago, Ill.

Standard Asbestos Co., 75 Fulton, New York

**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

**United States Asbestos Co., Lancaster, Pa.**

Watson H. F. Co., Erie, Pa.

## 257— Asbestos Powder

Doggett Stanley, 11 Cliff, New York

International Pulp Co., 41 Park row, New York

Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*

Standard Asbestos Co., 75 Fulton, New York

Whittaker, Clark & Daniels Inc., 250 Front, New York

Williams, C. K. & Co. ("Anchor Brand"), Easton, Pa.
*See adv index at end of book*

## 258—Asbestos Protected Metal

Aspromet Co. (Corrugated & Flat for Roofing, Siding & Ceilings), 1st Nat'l Bk bldg, Pittsburgh, Pa.

Aspromet Co. (Corrugated Sheet, Flat Sheet & Mansard), 1st Nat'l Bk bldg, Pittsburgh, Pa.

Steel Sales Corp'n, Adams & Jefferson, Chicago, Ill.

## Asbestos Roofing

See Roofing, Asbestos

## Asbestos Rope, Cord & Twine

See Asbestos Material

## 259— Asbestos Table Padding

Asbestos Fibre Spinning Co. ("Huber"), North Wales, Pa.

ASBESTOS TABLE PADDING—contin'd
Asbestos & Rubber Works of America, 58th & B'way, New York
Johns-Manville Co. H. W. ("Johns-Manville"), Madison av & 41st, New York
Kerney Mfg. Co., 148 W. 62nd, Chicago, Ill.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*

## Asbestos Textiles
See Asbestos Materials

## Asbestos Yarns
See Asbestos Materials

## 259a— Ash (Causticized)
Solvay Process Co., Syracuse, N. Y.

## Ash Chutes (Steel Plate)
See Chutes, Steel Plate

## Ash Handling Plants
See Coal Handling Systems for Power Plants, also Conveyors, Coal & Ash Handling; also Coal & Ore Handling Machinery

## Ash (Pearl)
See Potassium Carbonate Calcined)

## 260-1— Ash Receivers
Cummins L. F. & Sons, 513 Union, Allentown, Pa.
*See adv index at end of book*
Gunster Bros. ("Effective"), Scranton, Pa.
Scrantom, William & Co., 353-358 Ferry, Hoboken, N. J., & 33 Union sq. W, N. Y. city
*See adv index at end of book*

## Ash (Tin)
See Tin Oxide, also Oxide of Tin

## 262—Asphalt Dealers & Importers
Baker John Jr., 17 Battery pl, New York
Barber Asphalt Paving Co., Land Title bldg, Philadelphia, Pa.
Barrett Co., 17 Battery pl, New York
Byerly & Sons ("Byerlyte"), 2489 W. 4th, Cleveland, O.
Cabanel Oil Co. ("Bitulox"), 3210 E. 55th, Cleveland, O.
Doggett Stanley, 11 Cliff, New York
Faber Bros. & Co. (Imported), 2 Stone, New York
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Headley Good Roads Co., 301 S 30th, Phila., Pa.
Hercules Oil Refining Co., Los Angeles, Cal.
Indian Refining Co., 244 Madison av, New York
International Asphalt Co. ("Cubanel," Natural Sheet Asphalt for Paving), 133 W. Washington, Chicago, Ill.
Lamson Jno. S & Bro. (Imp), 347 Madison av, New York
Meng Anthony & Co. (Importers), 17 S Front, Phila, Pa.
**Neuchatel Asphalte Co., Ltd, 79 Tompkins, New York**
Saucke Chas. W. (Imp.), 27 William, N. Y.
**SCHELL, WM. H.** (Imp.), 159 Maiden la, New York
*See adv index at end of book*
Shelby-Downward Asphalt Co., Ardmore, Okla.
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Standard Asphalt & Rubber Co. ("Sarco"), 208 S La Salle, Chicago, Ill.
Standard Wax & Import Co. (Imp), 95 William, New York
**Sun Company, Finance bldg, Phila., Pa.**
Trinidad Asphalt Mfg. Co., Title Guarantee Trust bldg, St. Louis, Mo.
**United States Asphalt Refining Co., 90 West, New York**
**Wadsworth Stone & Paving Co., Lambert & P. R. R., Pittsburgh, Pa.**
**Warner-Quinlan Asphalt Co., 79 Wall, New York**
**Warren Bros. Co., 142 Berkeley, Boston, Mass.**
**Westrumite Co., Whiting, Ind.**

## Asphalt (Liquid & Solid)
See Asphalt Miners & Refiners

## 263— Asphalt Mastic
**Barber Asphalt Paving Co. ("Vulcanite" Special), Land Title bldg, Phila., Pa.**
Gabriel & Schall ("Brunswick" Imported), 295 B'way, New York
**Neuchatel Asphalte Co., Ltd, 79 Tompkins, New York**
Shields W. S. P., Witherspoon bldg, Phila., Pa.
**SPECIAL SERVICE FLOORING CORP.,** 2039 Grand Central Terminal, New York *See adv index at end of book*
Standard Asphalt & Rubber Co. ("Sarco," "Matrix"), 208 S La Salle, Chicago, Ill.
Wadsworth Stone & Paving Co. ("Standard"), Lambert & P. R. R., Pittsburgh, Pa.
Warren Chemical & Mfg. Co., 17 Battery pl, New York

## 264—Asphalt Miners & Refiners
American Asphalt Ass'n. (Miners only of Gilsonite), Wainwright bldg, St. Louis, Mo.
Asphaltum & Oil Refining Co., Los Angeles, Cal.
**Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.**
Barrett Co., 17 Battery pl, New York
Byerly & Sons ("Byerlyte," "Mastic"), 2489 W 4th, Cleveland, O.
California-Fresno Oil Co., Fresno, Cal.
Central Commercial Co., 111 N Market, Chicago, Ill.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Hercules Oil Refining Co., Los Angeles, Cal.
Indian Refining Co. (Liquid), 44 Whitehall, New York
International Asphalt Co. (Refined Cuban Asphalt), 133 W Washington, Chicago, Ill.
King Refining Co., 58 Sutter, San Francisco, Cal.
Neuchatel Asphalte Co., Ltd. (Mastic), 79 Tompkins, New York
New Trinidad Lake Asphalt Co., Land Title bldg, Phila., Pa.
Shelby Downward Asphalt Co., Ardmore, Okla.
**Shields W. S. P. (Mastic), Witherspoon bldg, Phila., Pa.**
Standard Asphalt & Rubber Co., ("Sarco"), 208 S La Salle, Chicago, Ill.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y., 555 W 25th, New York
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Trinidad Asphalt Mfg. Co. (Refiners), Title Guaranty bldg, St. Louis, Mo.
Uhlich Paul & Co. ("Brunswick" Imported), 11 Cliff, New York
**Union Oil Co. (of California), Los Angeles, Cal.**
United States Asphalt Refining Co., 90 West, New York
Wadsworth Stone & Paving Co. ("Standard" Mastic), Lambert & P. R. R., Pittsburgh, Pa.
Warner-Quinlan Asphalt Co., 79 Wall, New York
Warren Chemical & Mfg. Co. (Mastic), 17 Battery pl, New York

## 265— Asphalt Pipe Dip
**Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.**
**Byerly & Sons ("Byerlyte"), 2489 W. 4th, Cleveland, O.**
Indian Refining Co., 244 Madison av., New York
Standard Asphalt & Rubber Co. ("Sarco"), 208 S La Salle, Chicago, Ill.
Texas Company ("Texaco"), 17 Battery pl, New York
*See adv index at end of book*
Union Oil Co. (of California), Los Angeles, Cal
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 266— Asphalt Plant Builders
**Barber Asphalt Paving Co. ("Iroquois" Portable & Stationary), Land Title bldg, Phila., Pa.**
Cummer F. D. & Son Co., Superior Arcade, Cleveland, Ohio
*See adv index at end of book*

**CUMMER ASPHALT PLANTS**
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**THE F. D. CUMMER & SON CO.**
**Superior Arcade, Cleveland, Ohio, U. S. A.**

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*See adv index at end of book*

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East Iron & Machine Co. (Stationary, Portable & One Car), 351 E Market, Lima, O.
Hetherington & Berner, Indianapolis, Ind.
Pioneer Iron Works (Refining Plants), 149 Pioneer, Brooklyn, N. Y.
Schwab Philip Co., 16th & Canal, Milwaukee, Wis.

## Asphalt Rollers (Steam)
See Rollers, Steam Road

## 266a— Aspirators
Uehling Instrument Co. (For Air, Steam or Water), 71 B'way, New York

## 267— Aspirators (Flour Mill)
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Barnard & Leas Mfg. Co., Moline, Ill.
Beall Improvement Co., Inc., Decatur, Ill.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Richmond Mfg. Co. ("Niagara" Centrifugal, Oat, Hull & Grain), Lockport, N. Y.
Sprout Waldron & Co., Muncy, Pa.
Wolf Co., Chambersburg, Pa.

## 268— Assayers
See also Chemists; also Laboratories
Banks John H. & Son, 26 John, New York
Bridgeport Testing Laboratory, Bridgeport, Conn.
Burlingame, Walter E., Denver, Colo.
Ely Ethelbert, Dover, N. J.
Handy & Harman, 59 Cedar, New York
Hauks A. A., 630 Sacramento, San Francisco, Cal.
James Geo. A. Co., 28 Belden pl, San Francisco, Cal.
Kansas City Testing Laboratory, Kansas City, Mo.
Laucksel F., Inc., 99 Marion, Seattle, Wash.
Ledoux & Co., 99 John, New York
Luckhart C. A. Co., 53 Stevenson, San Francisco, Cal.
Maywald Fred'k J., 133 Water, New York
Officer R. H. & Co., Salt Lake City, Utah
Richardson Research Laboratory, Sloan bldg, Cleveland, O.
Ricketts & Co., Inc., 280 Madison av, New York
St. Louis Sampling & Testing Works, 713 Clark av, St. Louis, Mo.
Schawel J. & Co. (Gold & Silver), 26 John, New York
Smith, Emery & Co., 651 Howard, San Francisco, Cal.
Stowell Wm. H., Spokane, Wash.

## 268a—* Assayers' Supplies
See also Chemical Apparatus
**BRAUN - KNECHT - HEIMANN CO.,** 576-584 Mission, San Francisco, Cal.

## 269— Atlases

**Cram Geo. F. Co., 107 N Market, Chicago, Ill.**
**Rand, McNally & Co., 538 S Clark, Chicago, Ill.**

## 270— Atomizers (Air)

DeVilbiss Mfg. Co. ("Aeron" System), Toledo, O.

## 271— Atomizers (Billow)

National Supply Co. (For Fuel Oil Vaporization), 416 W Grand av, Chicago, Ill.

## 271a— Atomizer (Fuel Oil)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Beach Russ Co., 216-224 B'way, New York
MacLeod Co. (Vaporization), 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
National Supply Co., 416 W. Grand av, Chicago, Ill.

## 272— Atomizers (Medicinal)

Becton, Dickinson & Co. ("Yale"), Rutherford, N. J.
DeVilbiss Mfg. Co., Toledo, O.
Hospital Rubber Co. ("Multiple," "Peerless"), Attleboro, Mass.

## 273— Atomizers (Spray)

See also Sprayers, Potato

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Brown E. C. Co., Rochester, N. Y.
**MYERS F. E. & BRO.**, 900 Fourth, Ashland, O.
*See adv index at end of book*
Star Brass Works, 3114 Carroll av, Chicago, Ill. *See adv index at end of book*

## 274— Atropine

**Hoffmann-La Roche Chemcial Works, 440 Washington, New York**

## 275—Attachments (Automatic Drilling)

**Lodge & Shipley Machine Tool Co. (Axle), Cincinnati, O.**
National Acme Co., 7500 Stanton av, S E, Cleveland, O.

## 276—Attachments (Bean Harvester)

Akron Cultivator Co. ("Kraus"), Akron, O.
Gale Mfg. Co. ("Albion," "Gale"), Albion, Mich.
Lehr Agricultural Co., Fremont, O.
Ohio Cultivator Co., Bellevue, O.
Reed Fdry. & Mach. Co., Kalamazoo, Mich.

## 277—Attachments (Binder, for Headers)

Acme Harvesting Machine Co. ("Acme King"), Peoria, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.

## 278—Attachments (Binder, for Threshers)

Massey-Harris Harvester Co., Batavia, N. Y.

## 279—Attachments (Cam Grinding)

Landis Tool Co., Waynesboro, Pa.

## Attachments (Chain Drilling)

See Drills, Chain Attachment

## 280—Attachments (Clover Huller, for Threshers)

Nichols & Shepard Co., Battle Creek, Mich.

## 281—Attachments (Disc Drill & Seeder)

Deere & Co. ("Deere"), Moline, Ill.
Emerson-Brantingham Co., Rockford, Ill.
**Fetzer & Co. ("Fetzer," "McSherry"), Springfield, Ill.**
Janesville Machine Co., Janesville, Wis.

## 282—Attachments (Disc Furrowing)

For Runner Corn Planters

American Seeding Machine Co. ("Hoosier." ("Superior"), Springfield, O.
Deere & Co. ("Deere"), Moline, Ill.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.

## 283—Attachments (Drill, for Disc Harrows)

Emerson-Brantingham Co. ("E. B."), Rockford, Ill.

## 283a—*Attachments (Drill Press)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O., & 68 W Washington, Chicago, Ill. *See adv index at end of book*

## 284—Attachments (Dropper, for Mowers)

Massey-Harris Harvester Co., Batavia, N. Y.
Seiberling & Miller Co. ("Empire"), Doylestown, O.

## 285— Attachments (Fertilizer)

Aspinwall Mfg. Co., Jackson, Mich.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Case J. I. Plow Works, Racine, Wis.
Deere & Co. ("Deere"), Moline, Ill.
Hayes Pump & Planter Co., Galva, Ill.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Peoria Drill & Seeder Co. ("Peoria"), Peoria, Ill.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Sechler D. M. Implement & Carriage Co. ("Black Hawk"), Moline, Ill.

## 286—Attachments (Flax, for Binder)

Acme Harvesting Machine Co., Peoria, Ill.

## 287—Attachments (Gang Press Wheel)

For Grain Drills

American Seeding Machine Co. ("Empire," "Farmers'," "Favorite," "Hoosier," "Kentucky," "Superior"), Springfield, O.
Fetzer & Co., Springfield, Ill.

## 288— Attachments (Gas)

American Brass & Copper Co., 138 Lafayette, New York
American Pin Co., Waterville, Waterbury, Conn.
Bryant Electric Co., Bridgeport, Conn.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Macallen Co., 16 Macallen, S Boston, Mass.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Plume & Atwood Mfg. Co., Waterbury, Conn.
Simpson Edwin B. Co., 68 Franklin av, Brooklyn, N. Y.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Trumbull Electric Mfg. Co., Plainville, Conn.
Walsh Owen Mfg. Co., 525 W 26th, New York
White J. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.

## 289-90—Attachments (Gear Cutting)

Brown & Sharpe Mfg. Co., Providence, R. I.
Garrett Attachment Co., 1328 B'way, New York
Mafreto Machine & Tool Co. ("Young"), Worcester, Mass.
**WHITON D. E. MFG. CO.** (Center, Key-Seating & Vise), New London, Conn.
*See adv index at end of book*

## 291—Attachments (Harrow, Sulky)

American Seeding Machine Co. ("Evans"), Springfield, O.
**Brinly Hardy Co., Louisville, Ky.**
Dexter Co. ("Excelsior"), Fairfield, Iowa
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Joliet Mfg. Co., Joliet, Ill.
Moline Plow Co. ("Moline Orchard"), Moline, Ill.
Ohio Cultivator Co., Bellevue, Ohio
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Peoria Drill & Seeder Co. ("Peoria"), Peoria, Ill.
Stoughton Wagon Co. ("New Stoughton"), Stoughton, Wis.

## 292— Attachments (Header)

Acme Harvesting Machine Co. ("Acme King"), Peoria, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.

## 293—Attachments (Keyseater, for Cutting Oil Grooves)

Mitts & Merrill, Saginaw, Mich.

## 294—Attachments (Milling Machine)

Adams Co. ("Farwell"), Dubuque, Iowa
Becker Milling Machine Co. (Vertical & Slotting), Hyde Park, Mass.
Bliss A. H. Co., No. Attleboro, Mass.
Brown & Sharpe Mfg. Co. (also Grinding & Screw Machine), Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, Ohio
Clark-Mesker Co., 18511 Euclid av, Cleveland, O.
Eccles & Smith Co. ("Moor"), 71 1st, San Francisco, Cal.
Elgin Tool Works, Elgin, Ill.
Enderes, Inc. ("Haase" Lathe Miller), Albert Lea, Minn.
Garrett Attachment Co., 1328 B'way, New York
Garvin Machine Co., 147 Varick, New York
Goodell-Pratt Co. (For Bench Lathes), Greenfield, Mass.
Haase Machine Works (For Lathes), Minneapolis, Minn.
Hendey Machine Co. ("Hendey" Vertical Rock Cutting & Universal), Torrington, Conn.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Hinckley Machine Works, Hinckley, Ill.
Kempsmith Mfg. Co., West Allis, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Oesterlein Mach. Co. (Vertical), Cincinnati, O.
Porter-Cable Machine Co., Syracuse, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Ready Tool Co. (Vise Hold Down), Bridgeport, Conn.
Whitney Mfg. Co. (Vertical Universal), Hartford, Conn.
Woods Engng. Co. (Boring & Grinding), Alliance, O.

## 295—Attachments (Multiple Drilling)

Reed Francis Co., Worcester, Mass.

## 296—Attachments (Oil Burning, for Traction Engines)

Case J. I. Threshing Machine Co., Racine, Wis.
Emerson - Brantingham Co. ("Reeves") Rockford, Ill.

## 297—Attachments (Plowing, Traction Engine)

Avery Co., Peoria, Ill.
Case J. I. Threshing Machine Co., Racine, Wis.
Emerson-Brantingham Co. ("E. B." "Peerless." "Geiser"). Rockford, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, O.

## 298—Attachments (Pump Spout)

Chicago Hardware Foundry Co., North Chicago, Ill.

## 299—Attachments (Reaping, for Mowers)

Emerson-Brantingham Co. ("E. B.," "E. B. Osborne"), Rockford, Ill.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

## 300—Attachments (Riding, for Plows)

Moline Plow Co., Moline, Ill.
Parlin & Orendorff Co. ("P. & O"), Canton, Ill.
Walker Mfg. Co. ("Covey"), Council Bluffs, Iowa

## 301—Attachments (Rotary Harrow, for Plows)

Caswell Mfg. Co., Cherokee, Ia.
National Harrow Co. ("De-Mand-A"), Le Roy, Ill.
Stevens Mfg. & Foundry Co., Decatur, Ill.

## 302—Attachments (Seeder, for Disc Harrows)

Cutaway Harrow Co. ("Clark's" Force Feed), Higganum, Conn.
Deere & Co. ("Deere"), Moline, Ill.
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
**Fetzer & Co. ("Columbia," "Fetzer," "McSherry"), Springfield, Ill.**
**Janesville Machine Co., Janesville, Wis.**
Massey-Harris Harvester Co. ("Continental"), Batavia, N. Y.
Moline Plow Co. ("Economy," "Flying Dutchman"), Moline, Ill.
Ohio Cultivator Co. ("Bellevue"), Bellevue, O.
Parlin & Orendorff Co. ("P. & O.," "Star"), Canton, Ill.
Sterling Mfg. Co., Sterling, Ill.

## 303—Attachments (Sleigh Runner)

Cartier A. E. Sons Co. ("Chapman"), Ludington, Mich.
Schofield & Co., Freeport, Ill.

## 304—Attachments (Spring Tooth, for Disc Cultivators)

Avery B. F. & Sons ("Revolution," "Uncle Sam"), Louisville, Ky.
Deere & Co. ("Deere"), Moline, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.
Kelly G. A. Plow Co., ("Boss"), Longview, Tex.

## 305—Attachments (Stalk Cutter)

Avery B. F. & Sons ("Revolution"), Louisville, Ky.
Hartman Mfg. Co. ("Pilot"), Vincennes, Ind.
Ohio Cultivator Co., Bellevue, O.

## 306—Attachments (Stone Planing Machine)

Lincoln Iron Works ("Thomson" Circular), Rutland, Vt.

## 306a—*Attachments (Vacuum Cleaner)

Spaulding J. & Sons Co., Inc. (Hard Fibre), P. O. Box 52, Tonawanda, N. Y. *See adv index at end of book*

## 307— Attachments (Wood Barking)

Baker Mfg. Corp., Saratoga Springs, N. Y.

## 308— Aubepine

Bush W. J. & Co., Inc., 100 William, New York

## 309— Audiphones

Boissonnault G. Co. ("Microphо"), 26 Cortlandt, New York
**Globe Ear Phone Co. ("Globe"), Electrical & Mechanical, 88 Tremont, Boston, Mass.**
**Harper Oriphone Co., 294 Washington, Boston, Mass.**
Mears Earphone Co., 43 W 34th, New York
Stolz Electrophone Co., 5 N Wabash av Chicago, Ill.

## 309a— *Auditors

Holmes E. J. & Co., 110 S Dearborn, Chicago, Ill. *See adv index at end of book*

**Audits, Systems, Income Tax Reports**
**E. J. HOLMES & COMPANY**
*Certified Public Accountants*
**AUDITORS**
**Westminster Bldg., 110 So. Dearborn St.**
**CHICAGO, ILLINOIS.**
*Clients Served In All Parts Of The United States.*

## Augers (Boring Machine)
See Bits, Auger

## Augers (Breast)
See Augers, Miners

## Augers (Bung)
See Borers, Bung Hole

## Augers (Carpenters')
See Bits, Auger

## Augers (Coal)
See Augers, Miners'

## 310—Augers (Flexible Pipe Cleaning)

Coleman Allan J. ("C C C"), 208 N Wabash av, Chicago, Ill.
Lewis Samuel ("Wrigley"), 73 Barclay, New York
Wolverine Brass Works ("Wolverine" Adjustable), Grand Rapids, Mich.

## 311-12— Augers (Hollow)

Buckeye Mfg. & Fdry. Co. ("Stearns" & "Bonney" Patterns), 2046 W 55th, Cleveland, O.
**Cincinnati Tool Co. ("Hargrave," Adjustable), Norwood, Cincinnati, O.**
*See adv index at end of book*
Goodell-Pratt Co., Greenfield, Mass.
House Cold Tire Setter Co. ("Kelly, Jr."), **4143 Laclede av, St. Louis, Mo.**
Ives W. A. Mfg. Co. ("Ives" **Expansive,** "Novelty"), Wallingford, Conn.
Millers Falls Co. (Adjustable), Millers Falls, Mass.
Stearns E. C. & Co., ("Stearns" & "Bonney" Patterns), **450 Oneida, Syracuse, N. Y.**
Swan Jas. Co. ("Ames," "Universal" Chisel), Seymour, Conn.
Wood A. A. & Sons Co. ("Universal"), Atlanta, Ga.

## Augers (Ice)
See Tools, Ice

## Augers (Millwrights')
See Bits, Auger

## 313—Augers (Miners', Coal, Etc.)

Bonney-Shanks Co. (Breast, etc.), Chattanooga, Tenn.
Dooley Bros. (Coal), 1201 S Washington, Peoria, Ill.
Fairmont Mining Machinery Co. ("Fairmont," Power), Fairmont, W. Va.
Fulton Tool Works (Breast), Canal, Fulton, O.
Hardsocg Mfg. Co. (Breast), Ottumwa, Ia.
Hardsocg Martin Co. (Breast, etc), 922 South av, Pittsburgh, Pa.
Joy Machine Co., Union Arcade, Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
Peglar Machy. ("Breast"), Chattanooga, Tenn.
Salem Tool Co. ("Salem" Breast Auger for Coal Mining), Salem, O.
Snell Mfg. Co., Fiskdale, Mass.
Warwood Tool Co. (Breast), Warwood, Wheeling, W. Va.
What Cheer Tool Co. ("Breast," for Soft Coal, also "Moser" Ratchet), What Cheer, Ia.

## 314—Augers (Post Hole, Earth, Etc.)

See also Diggers, Post Hole
Blake Specialty Co. (Water Pressure), Rock Island, Ill.
Chickasaw Machine & Foundry Co., Memphis, Tenn.
**Coates Clipper Mfg. Co. ("Coates", Power for Blasting Purposes) Worcester, Mass.**
Cook A. D., Lawrenceburg, Ind.
Dicke Tool Co., Downers Grove, Ill.
Eureka Digger Co. ("Iwan Pattern," "Digwell Pattern" & "Vaughn Pattern"), 227 W Huron, Chicago, Ill.
Eureka Fence Mfg. Co. ("S. & B"), Richmond, Ind.
Fenn Mfg. Co. ("Fenn's" Adjustable), Charlotte, Mich.
Frantz Mfg. Co., Sterling, Ill.
Gill Mfg. Co. (Mine), Phillipsburg, Pa.
Indiana Steel & Wire Co., Muncie, Ind.
Iwan Bros. ("Iwan's," "Vaughns"), South Bend, Ind.
Lehr Agricultural Co., Fremont, O.
Pratt Wm. E. Mfg. Co. ("Star"), 35 W Lake, Chicago, Ill.
**Pugh Job T., 31st & Ludlow, Phila, Pa.**
Richards-Wilcox Mfg. Co. ("Richards"), Aurora, Ill.
Seymour Mfg. Co. ("Vaughn" Pattern), Seymour, Ind.
Specialty Device Co. ("Standard"), 106 W 3d, Cincinnati, O.
**Standard Auger Co. ("Standard"), 57 W 34th, Chicago, Ill.**
Steel Products Co. ("Carbo"), 2600 W 111th, Morgan Park Station, Chicago, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.

## 315-6— Augers (Pump Log)

B. B. Specialty Co., 433 Liberty av, Pittsburgh, Pa.
**Pugh Job T., 31st & Ludlow, Phila., Pa.**
Snell Mfg. Co., Fiskdale, Mass.

## Augers (Rafting)
See Bits, Auger

## Augers (Ring)
See Bits, Auger

## Augers (Ship)
See Bits, Auger

## Augers (Telegraph)
See Augers, Post Hole

## 317— Augers (Treenail)

Drew C. & Co., Kingston, Mass.
Ford Auger Bit Co. ("Ford"), Holyoke, Mass.
Snell Mfg. Co., Fiskdale, Mass.

## 318— Augers (Twist & Hub)

Defiance Machine Works, Defiance, O.

## 319— Augers (Well)

Dempster Mill Mfg. Co., Beatrice, Neb.
Iwan Bros., South Bend, Ind.
Loomis Machine Co., Tiffin, O.
Mark Mfg. Co., Evanston, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
**Pech Gus Foundry & Mfg. Co. ("Monitor"), Le Mars, Ia.**
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Star Drilling Machine Co., Akron, O.

## 319a— Auramine

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
National Gum & Mica Co., 59th & 11th av, New York
Williamsburg Chemical Co., Inc., 230 Morgan av, Brooklyn, N. Y.

## 319b— Autoclaves

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill.
*See adv index at end of book*
Badger E. B. & Sons Co., a75 Pitts, Boston, Mass.
*See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
**Elyria Enameled Products Co. (Cast Iron, Glass Enameled), Elyria, O.**

Fabricated Steel Products Corp., Box 505, Leetonia, O.
*See adv index at end of book*
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
**Manitowoc Engineering Wks., Manitowoc, Wis.**
Stevens Bros., 149 B'way, New York
**Stuart & Peterson Co., Burlington, N. J.**
**U. S. Welding Co., Inc., 155 Lafayette, New York**
Valley Iron Works, Williamsport, Pa.

## 320— Automobile Accessories

See also the specific article required
Alcemo Mfg. Co. ("Kov-Ker"), 12 Bridge, Newark, N. J.
**Am. Auto Necessaries Co., Blue Rock & C. H. & D. R. R., Cincinnati, O.**
Anderson Electric Specialty Co., 154 Whiting, Chicago, Ill.
**Ansonia Mfg. Co., 15 Park row, New York**
Apco Mfg. Co. (Ford Accessories, Providence, R. I.
Auto Tire Exchange, Burlington, N. C.
Bailey-Lebby Co., Charleston, S. C.
**Beals, McCarthy & Rogers, 46 Terrace, Buffalo, N. Y.**
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Boyles Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Brawley, T. R. (Mechanical Felt Goods), 275 20th, Brooklyn, N. Y.
***See adv index at end of book***
Bright & Co., Reading, Pa.
Burhams & Black Co., Syracuse, N. Y.
Caskey-Dupree Mfg. Co., Marietta, O.
Central Brass & Fixture Co., Springfield, O.
Champion Mfg. Co., 7332 Kimbark av, Chicago, Ill.
City Brass Works (Automatic Windshield Hinges), 1744 Carroll av, Chicago, Ill.
Clancy Hardware Co., Syracuse, N. Y.
Clark-Smith Hdwe. Co. (Jobbers, Tin, Metal, etc), Peoria, Ill.
Cooper Mfg. Co. (Foot Accelerators & Muffler Cutouts), Marshalltown, Ia.
Crawford Mill Supply Co., Winston-Salem, N. C.
Cray Bros. (Jobbers), 1111 W 11th, Cleveland, O.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Douglas & Rudd Mfg. Co., Bronson, Mich.
Dunham, Carrigan & Hayden Co., Kansas & Division, San Francisco, Cal.
Eclipse Mfg. Co., 424 N Meridian, Indianapolis, Ind.
Edwards & Chamberlain Hardware Co. (Dealers), Kalamazoo, Mich.
Equipment Co., 1531 Walnut, Kansas City, Mo.
Foster Bros. Mfg. Co. (Auto Coasters & Tire Racks), Utica, N. Y.
**GWILLIAM CO. (THE),** (Ball & Roller Bearings), 23 Flatbush av, Brooklyn, New York
*See adv index at end of book*
Hearsey H. T. Co. (Jobbers), 408 N Capitol, Indianapolis, Ind.
Herz & Co., 245 W 55th, New York
Hipwell Mfg. Co., 831 North W av, Pittsburgh, Pa.
Holley-Mason Hardware Co. (Jobbers), Spokane, Wash.
Jamestown Hardware Co., Jamestown, N. Y.
Kimball-Upton Co. (Jobbers), Sacramento, Cal.
**LAPIERRE H. M. CO.,** 1314 W 21st, Chicago, Ill.
Legler-Eilerman Co., Dayton, O.
Liberty Brass Works, 557 Quincy, Chicago, Ill.
Logan Machine & Mfg. Co., 222 S Clinton, Chicago, Ill.
***See adv index at end of book***
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Luric John, Inc., 1789 B'way, New York
Martin Auto Specialty Co., Lancaster, O.
Metal Specialties Mfg. Co. ("Presto"), 338 N Kedzie av, Chicago, Ill.
Monarch Tool & Machinery Co., 522 S Clinton, Chicago, Ill.
Moore-Handley Hardware Co., Birmingham, Ala.
Morehouse & Wells Co., Decatur, Ill.
Morley Bros., Saginaw, Mich.
Motor Equipment Co. (Jobbers), Wichita, Kans.
National Gauge & Equipment Co., La Crosse, Wis. *See adv index at end of book*
Nicols, Dean & Gregg (Jobbers), 8th & Sibley, St. Paul, Minn.
Ortman Motor Co., Washington Courthouse, O.
Paragon Electric Co., 329 E 5th, New York
Philips-Brinton Co., Inc., Kennett Square, Pa.
**Pouvailsmith Corp., Poughkeepsie, N. Y.**
Racine General Mfg. Co. (Jobbers), Racine, Wis.
Reilly Bros. & Raub, Lancaster, Pa.
**Remick Jas. S. Co., Sacramento, Cal.**
Roth Cadillac Co., Erie, Pa.
Saxon Mfg. Co., 1034 Grand av, Toledo, O.
**SCHRADER'S A. SONS, INC.** (Fire Gauges, Valves, Valve Insides, Dust Caps, Pump Connections), Brooklyn, New York
Smith, H. Lund (Fenders, Tops, Shock Absorbers, Wind Shields, etc), Paterson, N. J.
Spears & Riddle Co., Wheeling, W. Va.
Standard Supply & Equipment Co., n w cor Cherry & 13th, Philadelphia, Pa.
Staude E. G. Mfg. Co. (attachments), St. Paul, Minn.
Superior Mfg. Co., Monticello, Ind.
Tenk Hdwe Co., Quincy, Ill.
Treman King & Co. (Jobbers only), Ithaca, N. Y.
Wagner Bros. Hardware Co. (Jobbers), Hazelton, Pa.
**Williams J. H. & Co.** (Wrenches, Wrench Sets, Tire Tool & Auto Tool), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## Automobile Boats

**See Motor Boat. Launch & Yacht Builders**

## 321— Automobile Builders

Marked thus *build Pleasure Cars; †build Commercial Cars; §build Cycle Cars. See also list of "Automobile Trade Names" which immediately follows and which will enable one to locate the manufacturer of almost any Pleasure or Commercial Car made.

All makes are Gasoline Cars unless otherwise described.

Importers of Foreign Makes Are Included in This List and Are so Marked.

NOTE—See also Fire Engines, Motor; also Motor Cycles; also Trucks.

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†Abbott Downing Truck & Body Co., Concord, N. H.
†Acason Motor Truck Co., 431 Brooklyn av, Detroit, Mich.
†Acme Motor Truck Co., Haynes, Cadillac, Mich.
†Acme Wagon Wks., Emigsville, Pa.
†All American Truck Co., Grand & Natch avs, Chicago, Ill.
*Allen Motor Car Co., Columbus, O.
†American Commercial Car Co, Gratiot av & Detroit, Terminal R. R. Detroit, Mich.
American Motor Truck Co., Newark, O.
*American Motors Corp., Plainfield, N. J.
*†Ames Motor Car Co., Owensboro, Ky.
*†Anderson Electric Car Co. (Electric), Aberle, Detroit, Mich.
***Anderson Motor Co. (Gasoline), Rock Hill, S. C.**
*Anger Engineering Co., 2525 State, Milwaukee, Wis.
*Apperson Bros. Automobile Co., Kokomo, Ind.
Argonne Motor Car Co., 113 Plymouth, Jersey City, N. J.
†Armleder O. Co., 12th & Plum, Cincinnati, O.
†Atlantic Electric Vehicle Co. (Electric), 893 Freylinghuysen av, Newark, N. J.
†Atterbury Motor Car Co. (Gasoline & Electric), Buffalo, N. Y.
*Auburn Automobile Co., Auburn, Ind.
†Auglaize Motor Car Co., New Bremen, O.
†Austin Automobile Co., Grand Rapids, Mich.
†Autocar Co., Ardmore, Pa.
†Automobile Mfg. Co. & Eng. Co., Fort Wayne, Ind.
†Available Truck Co., 1539 N Kilpatrick, Chicago, Ill.
Babcock, H. H., Co. (Undertakers & Ambulance Bodies), Watertown, N. Y.
*†Baker-Bell Motor Co., 665 N Broad, Phila., Pa.
†Barker C. L., Norwalk, Conn.
*Barley Motor Car Co. (Hearse and Ambulance Chassis), Kalamazoo, Mich.
*†Bartholomew Co., Peoria, Ill.
†Bauer Machine Works Co., Kansas City, Mo.
*Beaver State Motor Co., Gresham, Ore.
†Beck-Hawkeye Motor Truck Works, Cedar Rapids, Ia.
†Beech Creek Truck & Auto Co., Beech Creek, Pa.
†Beggs Motor Car Co., Michigan & Guinotte av, Kansas City, Mo.
*†Bell Motor Car Co., York, Pa.
†Bessemer Motor Truck Co., Grove City, Pa.
†Bethlehem Motors Corp., Allentown, Pa.
*Biddle Motor Car Co. (Gasoline), Germantown, 1728 Real Estate Trade bldg, Philadelphia, Pa.
*Birch Motor Cars Co., Michigan av, Chicago, Ill.
†Blair Motor Truck Co. (Gasoline & Gas & Electric), Newark, O.
†Bour Davis Motor Car Co., 253 Woodbridge, Detroit, Mich.
†Bourne Magnetic Truck Co., 17th & Sedgeley av, Phila., Pa.
†Bowling Green Motor Truck Co., Bowling Green, O.
Bowman Sidney B. Auto Co. (Imp), 225 W 49th, New York
†Bradley Motor Car Co. (Funeral Cars & Ambulances), Cicero, Ill.
Brewster & Co., Queensboro Bridge Plaza, Long Island City, N. Y.
†Brinton Motor Truck Co., 5805 Market, Phila., Pa.
*Briscoe Motor Corp., Jackson, Mich
†Brockway Motor Truck Co., Cortland, N. Y.
*†Buckeye Mfg. Co., Anderson, Ind.
*Buick Motor Co. (Dept General Motors Co.), Flint, Mich.
*Burg L. Carriage Co., Dallas City, Ill.
Bush Motor Co., Bush Temple, Chicago, Ill.
*Cadillac Motor Car Co., 1343 Cass av, Detroit, Mich.
*Campbell Motor Car Co., Kingston, N. Y.
Candler Radiator Co., 1084 Jefferson E, Detroit, Mich.
†Carroll Motor Car Co., Strasburg, Pa.
*Case J. I. Threshing Mach. Co., Racine, Wis.
†Casey F. A. Co., Billerica, Mass.
*Century Mfg. Co. (Electric), 133 E Canfield, Detroit, Mich.
*Chadwick Engineering Works, Pottstown, Pa.
*Campbell Motor Car Co., Kingston, N. Y.
†Champion Wagon Co., Owego, N. Y.
*Chandler Motor Car Co., E 131st st & St. Clair av, Cleveland, O.
†Chester County Motor Co., Coatesville, Pa.
*Chevrolet Motor Co., Flint, Mich.
†Chicago Motor Truck, Inc., 335 W 28th pl, Chicago, Ill.
*Cleveland Automobile Co., Euclid av & London, Cleveland, O.
*Clyde Cars Co., Clyde, Ohio
§Coey Motor Co., 2010 S Wabash av, Chicago, Ill.
*Cole Motor Car Co., 730 E Washington, Indianapolis, Ind.
†Collier Motor Truck Co., Bellevue, O.
§Collings Carriage Co., Camden, N. J.
†Columbia Motor Truck & Trailer Co., Pontiac, Mich.
*Comet Automobile Co., Decatur, Ill.
†Commerce Motor Car Co., 26 Mackle, Detroit, Mich.
Commercial Cars, Ltd. (Imported), 40 Convent av, New York
†Commercial Truck Co. of America, 27th & Brown, Phila., Pa.
†Commonwealth Motors Co., 326 W Madison av, Chicago, Ill.
†Connersville Buggy Co. (Electric), Connersville, Ind.
†Continental Truck Mfg. Co., Superior, Wis.
†Corbitt Motor Truck Co., Henderson, N. C.
†Corliss Motor Truck Co., Corliss, Wis.
*†Cortland Cart & Carriage Co. (Gasoline), Sidney, N Y.
†Couple Gear Freight Wheel Co. (Gas Electric & Electric), Grand Rapids, Mich.
†Crane & Breed Mfg. Co. (for undertakers), 1227 W 8th, Cincinnati, O.
*†Crawford Automobile Co., Hagerstown, Md.
†Croce Auto Co., Asbury Park, N. J.
*†Crow-Elkhart Motor Co., Elkhart, Ind.
†Crowther Motor Co. (Gasoline), 27th & Diamond, Rochester, N. Y.
†Crusier Motor Car Co. (Ambulances), Madison, Wis.
*Culver Mfg. Co., Culver City, Cal.

AUTOMOBILE BUILDERS—continued

†Cunningham Jas. Son & Co. (Ambulances, Hearses, etc), Rochester, N. Y.
†Dain Mfg. Co., Ottumwa, Ia.
***Daniels Motor Car Co. (Gasoline), Reading, Pa.**
†Danielson Engine Works, 507 W Jackson, Chicago, Ill.
†Dart Truck & Tractor Corp., Waterloo, Ia.
*Davis Geo. W. Motor Car Co., Richmond, Ind.
†Day-Elder Motors Co., 20 Coit, Newark, N. J.
†Dayton Motor Truck Co., Dayton, O.
De Dion-Bouton Auto Co. (Importers), 110 W 54th, New York
†De Kalb Mfg. Co., Auburn, Ind.
†De Kalb Wagon Co., De Kalb, Ill.
**†Denby Motor Truck Co., Holbrook av, Detroit, Mich.**
*De Tamble Motors Co., Anderson, Ind.
†Detroit-Wyandotte Motor Truck Co., Wyandotte, Mich.
*†Diamond T Motor Car Co., 4501 W 26th, Chicago, Ill.
***†Dispatch Motor Car Co. (Gasoline), 1200 av S, E, Minneapolis, Minn.**
†Dixie Motor Car Co., 3rd and K, Louisville, Ky.
†Doane Motor Truck Co., 425 3rd, San Francisco, Cal.
Doble Abner Co. (Steam), Waltham, Mass.
Doble-Detroit Steam Motors Co., Detroit, Mich.
Doble Motor Co., Call bldg, San Francisco, Cal.
*Dodge Bros., Inc., Bismark & Campau av, Detroit, Mich.
***†Dorris Motor Car Co., 4100 Laclede av, St. Louis, Mo.**
*Dort Motor Car Co., Flint, Mich.
†Double Drive Truck Co., W Kinzie, Chicago, Ill.
*Douglas Motors Corp., Omaha, Neb.
*Drexel Motor Car Corp., 76th & Wallace, Chicago, Ill.
***Drummond Motor Co. (Gasoline), Omaha, Neb.**
Dudley Tool Co., Menominee, Mich.
***Dunn Walter E., Ogdensburg, N. Y.**
†Duplex Truck Co., Lansing Mich.
Du Pont Motors, Inc., Wilmington, Del.
†Durable Motor Truck Co., Hammond, Ind.
†Duryea Motors, Inc., 3528 N 18th, Philadelphia, Pa.
*Eagle-Macomber Motor Car Co., Sandusky, O.
*Easton Machine Co., South Easton, Mass.
**†Electromobile Motor Car Co., Boatmens Bank bldg, St. Louis, Mo.**
*Elgin Motor Car Corp., McCormick bldg, Chicago, Ill.
*Elkhart Carriage & Motor Car Co., Elkhart, Ind.
†Elmira Commercial Motor Car Co., Owego, N. Y.
*Empire Automobile Co., S W cor Capitol & Michigan, Indianapolis, Ind.
*Enger Motor Car Co., Cincinnati, O.
*Erie Motor Co., Painesville, O.
†Erie Motor Truck Mfg. Co., Erie, Pa.
*Erwin Motor & Machine Co., 31st & Dauphin, Phila., Pa.
*Essex Motors, Detroit, Mich.
†Ewbank Electric Transmission Co., Portland, Ore.
***†F. & S. Motors Co., 219 Becher, Milwaukee, Wis.**
†Fairbanks, Morse & Co. (Sheffield Plant), Three Rivers, Mich.
†Famous Mfg. Co., East Chicago, Ind.
†Famous Trucks Inc., St. Joseph, Mich.
†Fargo Motor Car Co., 1164 W 22d, Chicago, Ill.
†Fageol Motors Co., 107th av & Hollywood blvd, Oakland, Cal.
†Federal Motor Truck Co., Federal & Campbell av, Detroit, Mich.
*†Ford Motor Co., Highland Park, Mich.
†Forschler Motor Truck Mfg. Co., New Orleans, La.
***†Four Wheel Drive Auto Co., Clintonville, Wis.**
†Four Wheel Drive Motor Truck Co., Webberville, Mich.
*Franklin H. H. Mfg. Co. (Runabout, Touring Cars, etc.), 302 S Geddes, Syracuse, N. Y.
§Frazier W. S. & Co., Aurora, Ill.
*†Fritchle Electric Co. (Electric), Denver, Colo.
**†Front Drive Motor Co., 16th & Willow av, Hoboken, N. J.**
Frontenac Motor Co., Plainfield, N. J.
†Fulton Motor Truck Co., Farmingdale, L. I.

*†Gabriel W. H. Carriage & Wagon Co., 315 Prospect av N W, Cleveland, O.
†Galion Dynamic Motor Truck Co., Galion O.
†Garford Motor Truck Co., Lima, Ohio
†Gary Motor Truck Co., Gary, Ind.
†General Motors Truck Co. (Gasoline & Electric), Pontiac, Mich.
†General Vehicle Co. (Electric & Gasoline), Long Island City, N. Y.
**†Geneva Wagon Co., Geneva, N. Y.**
*Geronimo Motors Co., Enid, Okla.
†Gersix Mfg. Co., Seattle, Wash.
**Gillette Motors Co., Mishawaka, Ind.**
†Globe Motor Truck Co., Brady av, E St. Louis, Ill.
†Golden West Motors Co., Sacramento, Cal.
Gramm-Bernstein Co., Lima, O.
*Grant Motor Car Corp., Coit rd & Kirby av, Cleveland, O.
†Greene Mfg. Co., Cobleskill, N. Y.
*Grinnell Electric Car Co. (Electric), 473 Woodward av, Detroit, Mich.
*Hackett Motor Car Co., Jackson, Mich.
†Hahn Motor Truck & Wagon Co., Hamburg, Pa.
*Hal Motor Mfg. Co., E 72d, Cleveland, O.
*Hall Scott Motor Car Co., Crocker bldg, San Francisco, Cal.
*Halliday Motor Car Co., Attica, O.
*Hamilton Motor Car Co., York, Pa.
**†Hannibal Wagon Co., Hannibal, Mo.**
*Hanson Motor Co., Atlanta, Ga.
†Harder Auto Truck Co., 149 W 62d, Chicago, Ill.
Harley-Davidson Motor Co. (Parcel Deliveries), 3732 Chestnut, Milwaukee, Wis.
†Harrison Robt. Co., 330 W 1st, S Boston, Mass.
†Harroun Motors Corp., Wayne, Mich.
*Harvard-Pioneer Motor Car Corp., Troy, N. Y.
†Harvey Motor Truck Works, Harvey, Ill.
†Hawkeye Truck Co., Sioux City, Ia.
*Haynes Automobile Co., Kokomo, Ind.
†Hebb Motors Co., Lincoln Neb.
†Henderson Bros., No Cambridge, Mass.
†Hendrickson Motor Truck Co., 3538 S Wabash av, Chicago, Ill.
†Hewitt-Ludlow Auto Co., 901 Indiana, San Francisco, Cal.
Hewitt Motor Co. (Commercial Cars, Dept. International Motor Co.), 262 W 64th, New York
†Highgrade Motor Co., Harbor Springs, Mich.
†Hoagland Thayer, (Electric), Newark, N. J.
†Hoffman Motor Truck Co., Minneapolis, Minn.
Holmes Automobile Co., Canton, O.
†Hoover Wagon Co., York, Pa.
*Howard A. Co., Galion, O.
Hubbell-Oakes Motor Co. (Trucks), Atlanta, Ga.
*Hudson Motor Car Co. 2901 Jefferson av, Detroit, Mich.
†Huffman Bros. Motor Co., Elkhart, Ind.
*†Hupp Motor Car Co., 1049 E Milwaukee, Detroit, Mich.
*Hupp-Yeats Electric Car Co., Lycaste & Detroit Ter., Detroit, Mich.
†Hurlburt Motor Truck Co., 2421 3rd, New York
†Huselton Automobile Co., Butler, Pa.
†Ideal Auto Co., Fort Wayne, Ind.
†Independent Motors Corp., Port Huron, Mich.
Independent Motor Co., Youngstown, O.
†Indiana Truck Co., Marion, Ind.
International Fabricating Corp., 99 John, New York
†International Harvester Co., Harvester bldg, Chicago, Ill.
**†International Motor Co., 252 W 64th, New York**
*Interstate Motor Co., Muncie, Ind.
*Jackson Automobile Co., Jackson, Mich
*Jones Motor Car Co., Wichita, Kans.
*Jordan Motor Car Co., 1070 E 152d, Cleveland, O.
Kalamazoo Motors Corp., Kalamazoo, Mich
†Kankakee Automobile Co., Kankakee, Ill.
*†Kearns Motor Truck Co., Beavertown, Pa.
†Kelly-Springfield Motor Truck Co., Springfield, O.
†Kentucky Wagon Mfg. Co. (Electric), Louisville, Ky.
†Keystone Vehicle Co. (Hearses, Limousine & Ambulances), Hamburg, Pa.
*Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
†King A. R. Mfg. Co., Kingston, N. Y.
*King Motor Car Co., Jefferson & Concord av, Detroit, Mich.

*†Kissel Motor Car Co., Hartford, Wis.
†Kleiber & Co., 1426 Folsom, San Francisco, Cal.
†Klemm E. R. 1447 W Austin av, Chicago, Ill.
*†Kline Car Corp'n, Richmond, Va.
Kluykens G. J. (Import), 112 W 42d, New York
†Koehler H. J. Motor Corp., 154 Ogden, Newark, N. J.
†Koenig & Luhrs Wagon Co., Quincy, Ill.
†Kopp Motor Truck Co., Buffalo, N. Y.
†Krebs Commercial Car Co., Clyde, O.
†Krickwell Motor Co., 1373 E 55th, Chicago, Ill.
†La Crosse Motor Truck Co., La Crosse, Wis.
†La France Ward Truck Co., Inc., Elmira, N. Y.
†Lammert & Mann Co. (Electric), Wood & Walnut, Chicago, Ill.
†Landshaft Wm. & Sons, 2336 Milwaukee av, Chicago, Ill.
†Lange Motor Truck Co., 145 S St. Claire, Pittsburgh, Pa.
†Lansden Co. (Electric), 2211 Nostrand av, Brooklyn, N. Y.
**†Larrabee-Deyo Motor Truck Co. (Gasoline), Binghamton, N. Y.**
†Laughlin-Homer Engineers Corp., 2652 Long Beach av, Los Angeles, Cal.
*Laurel Motor Car Co., Richmond, Ind.
Leach-Bitwell Motor Co., 4800 Santa Fe av, Los Angeles, Cal.
†Laurel Motor Corp., Anderson, Ind.
*Lenox Motor Car Co., 18 Columbus av, Hyde Park, Mass.
†Lewis-Hall Iron Works (Gasoline), Ferry av. and G. T. Ry, Detroit, Mich.
*Lewis Spring & Axle Co., Chelsea, Mich.
*Lexington Motor Co., Connersville, Ind.
†Liberty Motor Car Co., Ft. Lycaste av, Detroit, Mich.
†Lincoln Motor Truck Co, Warren & Livernois, Detroit, Mich.
†Lippard-Stewart Motor Car Co., Buffalo, N. Y.
*†Locomobile Co. of America, Bridgeport, Conn.
†Longest Bros. Co., Louisville, Ky.
Lorraine Car Co., Richmond, Ind.
†Los Angeles Creamery Auto & Machine Co. (Electric), 1020 Towne av, Los Angeles, Cal.
*†Lozier Motor Co., Mack & Belt Line, Detroit, Mich.
***†Luverne Auto Co., Luverne, Minn.**
*McFarlan Motor Co., Connersville, Ind.
†Maccar Truck Co., Scranton, Pa.
†Madison Motors Corp., Anderson, Ind.
*Maibohm Motor Co., Sandusky, O.
†Mais Motor Truck Co., Indianapolis, Ind.
†Martin Truck & Body Corp., York, Pa.
†Master Trucks, Inc., 3132 S Wabash av, Chicago, Ill.
†Mather S. W. Auto Co., Cleveland, O.
†Maxim Munitions Corp., 120 B'way, New York
*Maxwell Motor Co., 2648 E Jefferson, Detroit, Mich.
†Menominee Motor Truck Co., Menominee, Mich.
*Mercer Automobile Co., Trenton, N. J.
†Meteor Motor Car Co., Piqua, Ohio
Michigan Hearse & Motor Co. (Funeral Cars, Ambulances, Hearses, etc.), 1500 Union av, S E, Grand Rapids, Mich.
*Mier Carriage & Buggy Co., Ligonier, Ind.
*Milburn Wagon Co. (Electric), Toledo, O.
†Mills-Ellsworth Co., Keokuk, Ia.
*Milwaukee Auto Engine & Supply Co. (To order only), 841 29th, Milwaukee, Wis.
Minerva Motor Car Co. (Importers), 227 W 64th, New York
*Mitchell Motors Co., Inc., Racine, Wis.
†Mogul Motor Truck Co., 4125 Forest Park boul, St. Louis, Mo.
†Monarch Light Truck Co., Milwaukee, Wis.
*§Monroe Motor Co., Flint, Mich.
Monitor Motor Car Co., Columbus, O.
†Moon Jos. W. Buggy Co., Main & Douglas, St. Louis, Mo.
***Moon Motor Car Co., 4402 Main, St. Louis, Mo.**
*Moore Motor Vehicle Co., Danville, Ill.
†Mora Power Wagon Co., 5320 St. Clair av, Cleveland, O.
†Moreland Motor Truck Co., Los Angeles, Cal.
*Moyer H. A., Syracuse, N. Y.
***Murray Motor Car Co. (Gasoline), 3724 Grant boulevard, Pittsburgh, Pa.**
†Muskegon Engine Co., Muskegon, Mich.
***Mutual Motors Co., Jackson, Mich.**
†Mutual Truck Co., Sullivan, Ind.

†Myers E. A. Co., 4101 Senate, Pittsburgh, Pa.
†Napoleon Motors Co., Traverse City, Mich.
*Nash Motors Co., The, Kenosha, Wis.
*National Motor Car & Vehicle Corp. (Electric & Gasoline), 1004 E 22nd, Indianapolis, Ind.
†Nelson & Le Moon, 849 N Kedzie, Chicago, Ill.
†Nelson Motor Truck Co., Saginaw, Mich.
*†Neville Thomas & Co., Oshkosh, Wis.
†New England Truck Co., Fitchburg, Mass.
New Haven Carriage Co., New Haven, Conn.
†New Haven Truck & Auto Works, New Haven, Conn.
**New York Motor Works Co., Nutley, N. J.**
†Noble Motor Truck Co., Kendalville, Ind.
*Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
†Norwalk Motor Car Co., Martinsburg, W. Va.
*Oakland Motor Car Co. (Dept. General Motors Co.), Pontiac, Mich.
†Ogden Motor & Supply Co., 3854 Ogden av, Chicago, Ill.
*Ogden Motor Car Co., 39 S. La Salle, Chicago, Ill.
Ohio Motor Vehicle Co., Oakview & Nottingham rds, Cleveland, O.
†Oklahoma Auto Mfg. Co., North Muskegon, Okla.
†Old Reliable Motor Truck Co., 58 E Washington, Chicago, Ill.
*Olds Motor Works (Dept. General Motors Co.), Lansing, Mich.
*Olympian Motors Co., Pontiac, Mich.
†Oneida Motor Truck Co., Green Bay, Wis.
Ortman Motor Co., Washington Courthouse, O.
Otto Albert T. & Sons (Import), 101 Park av, New York
†Pacific Metal Products Co., Torrance, Cal.
*†Packard Motor Car Co., Boulevard & Belt Line, Detroit, Mich.
†Packett Motor Car Mfg. Co., 2743 Lyndale av S, Minneapolis, Minn.
*Paige-Detroit Motor Car Co., McKinstry & Fort, Detroit, Mich.
†Palmer-Meyer Motor Car Co., 5027 McKissock av, St. Louis, Mo.
*Pan American Motors Corp., Decatur, Ill.
†Panhard Motors Co., Grand Haven, Mich.
†Parker Motor Truck Co., 606 Linus, Milwaukee, Wis.
Paterson W A Co, Flint, Mich
*Pathfinder Co. Indianapolis, Ind
*†Peerless Motor Car Co, Quincy av & E 93d, Cleveland, O.
*†Pennsy Motors Co (Gasoline), Penn av, nr Allegheny av, N S, Pittsburgh, Pa.
*Petrel Motor Car Co., 1st & Oklahoma av, Milwaukee, Wis.
Peugeot Auto Import Co., 1620 B'way, New York
*Phianna Motors Co., Central av, Newark, N. J.
*†Piedmont Motor Car Co., Inc., Lynchburg, Va.
*†Pierce-Arrow Motor Car Co., 1695 Elmwood av, Buffalo, N. Y.
†Piggins Motor Truck Co., Racine, Wis.
*Pilgrim Motors Car Co., Moffat bldg., Detroit, Mich.
*Pilot Motor Car Co., Richmond, Ind.
†Pittsburg Machine Tool Co., Braddock, Pa.
Pollak Steel Co., Cincinnati, O.
*Porter, Finley Robertson Co. (Gasoline), Port Jefferson Station, Long Island, N. Y.
*Premier Motor Corp., 20th & Olney, Indianapolis, Ind.
§Princess Motor Car Co., 348 Clay av, Detroit, Mich.
*†Pullman Motor Car Co., York, Pa.
†Rainler Motor Corp., Flushing, N. Y.
†Ralstone Iron Wks. Co., 20th & Indiana, San Francisco, Cal.
*R. C. H. Corp., Lycaste av, Detroit, Mich.
*Reeves Sexton Auto Co., Columbus, Ind.
Regal Motor Car Co., 216 Piquette, Detroit, Mich.
†Reliance Motor Truck Co., Appleton, Wis.
†Remington Motor Co., 9 Cent. Park, W, New York
Renault Selling Branch, Inc. (Importers Taxicabs), 719 5th av, New York
Revere Motor Cars Corp., Logansport, Ind.
Reo Motor Car Co., Lansing, Mich.
Republic Motor Truck Co., Alma, Mich.
Richard Auto Mfg. Co., Engineers bldg, Cleveland, O.
Robinson Motor Truck Co. 2d av N & 7th, Minneapolis, Minn.
†Rock Falls Mfg. Co., Sterling, Ill.
†Rogers Una-Drive Motor Truck Corp., Sunnyvale, Cal.
Rolls-Royce of Am., Inc., Springfield, Mass.
*Root & Vandervoort Engng Co., East Moline, Ill.
†Royal Motor Truck Co. of N. Y., 112 8th av, New York
†Rush Motor Truck Co., 1014 N Front, Philadelphia, Pa.
*Saginaw Motor Car Co., Saginaw, Mich.
†Sandow Motor Truck Co., 3333 W Grand, Chicago, Ill.
†Sanford Motor Truck Co., Syracuse, N. Y.
†Saxon Motor Car Co., 917 Bellevue av, Detroit, Mich.
†Sayers & Scovill Co., Gest, Cincinnati, O.
*†Schacht G. A. Motor Truck Co., Gest & Evans, Cincinnati, O.
*†Schildwachter Automobile Co., 1887 Park av, New York.
†Schleicher Motor Vehicle Co., 37 W 14th, New York
†Schoepflin L. G. Co., 80 W Mohawk, Buffalo. N. Y.
†Schwartz Motor Truck Co., Reading, Pa.
§Scripps Booth Corp., Michigan & Weston, Detroit, Mich.
*Sebring Motor Car Co., Sebring O.
†Selden Truck Corp., Rochester, N. Y.
*Seneca Motor Car Co., Fostoria, O.
†Service Motor Truck Co., Wabash, Ind.
†Sheridan Commercial Car Co., Harvey, Ill.
†Signal Motor Truck Co., 899 Connors C. K. Detroit, Mich.
*Simplex Automobile Corp., 60 B'way, New York
*Signal Motor Truck Co., 899 Connors C. K., Detroit, Mich.
*Small Wm. Co., Indianapolis, Ind.
†South Bend Motor Car Works, South Bend, Ind.
*Spaulding Mfg. Co., Grinnell, Ia.
*Spoerer's Carl Sons Co., 909 S Carey, Baltimore, Md.
*Stafford Motor Car Co., Kansas City, Mo.
†Standard Motor Truck Co., 315 Bellevue av, Detroit, Mich.
†Standard Motor Truck Co., 496 Bellevue av, Detroit, Mich.
†Standard Steel Car Co., A. V. R. R., Verona, Pittsburgh, Pa
*†Stanley Motor Carriage Co. (steam) Newton, Mass.
†Starr Carriage Co., Seattle, Wash.
*States Motor Car Mfg. Co., Kalamazoo, Mich.
*†Stearns F. B. Co., Euclid av & Lakeview rd, Cleveland, O.
†Steele W. M., Worcester, Mass.
†Stegeman Motor Car Co., 606 Linus, Milwaukee Wis.
§Stephens James S., 7321 S Shore, Chicago, Ill.
†Sternberg Motor Truck Co., Milwaukee, Wis.
*Stephens Motor Br. of Moline Plow Co., Freeport, Ill.
†Sterling Motor Truck Co., West Allis, Wis.
†Stewart Motor Corp., Buffalo, N. Y.
*†Studebaker Corp., South Bend, Ind.
*Stutz Motor Car Co., N W cor Capitol av & 10th, Indianapolis, Ind.
†Sullivan Motor Truck Corp., 1703 East av, Rochester, N. Y.
*Sun Motor Car Co., Elkhart, Ind.
†Superior Motor Truck Co., Atlanta, Ga.
†Tegetmeier & Riepe Co., 771 1st av, New York
*Templar Motors Corp., Lakewood, Cleveland, O.
Thomas E. R. Motor Car Co., Buffalo, N. Y.
†Tiffin Wagon Co., Tiffin, O.
†Titan Truck Co., 25th, Milwaukee, Wis.
†Tower Motor Truck Co., Greenville, Mich.
†Trabold Truck Mfg. Co., Johnstown, Pa.
†Traffic Motor Truck Corp., 5200 S 2d, av, St. Louis, Mo.
*Traverse City Motor Co., Traverse City, Mich.
†Triangle Motor Truck Co., St. Johns, Mich.
†Triumph Motor Car Co., 3308 Sheffield av, Chicago, Ill.
*Trumbull Motor Car Co., Bridgeport, Conn.
*Tulsa Automobile Corp., Tulsa, Okla.
†Turnbull Motor Truck & Wagon Co., Defiance, O.
†Twin City Four Wheel Drive Co., University, St. Paul, Mich.
†Union Motor Truck Co., Bay City, Mich.
†United Four Wheel Drive Truck Corp., 29 S La Salle, Chicago, Ill.
†United Motors Co., 675 North N W, Grand Rapids, Mich.
*†U. S. Carriage Co., 319 S 4th, Columbus, O.
†U. S. Motor Truck Co., Cincinnati, Ohio
†Universal Service Co., Grand River & Stanton avs, Detroit, Mich.
†Utility Car Co. (Funeral), Richmond, Ind.
§Valley Boat Co., Saginaw, Mich.
†Veerac Co., Anoka, Minn.
*Velle Motors Corp., Moline, Ill.
†Viall Motor Car Co. (Gasoline), 21 E 111th, Chicago, Ill.
†Vim Motor Truck Co., Market & 23d, Philadelphia, Pa.
Vogue Motor Car Co., Tiffin, O.
**†Voltz Bros., 840 S Halsted, Chicago, Ill.**
Wadsworth Mfg. Co., Kercheval & Connors Creek, Detroit, Mich.
†Walker Vehicle Co. (electric), 533 W 39th, Chicago, Ill.
†Walter Motor Truck Co., 110 W End av, New York
Ward La France Truck Corp., Elmira, N. Y.
†Ward Motor Vehicle Co. (Electric), Mount Vernon, N. Y.
†Warren Motor Truck Co., Warren, O.
*†Waverly Co., 139 S East, Indianapolis, Ind.
†Way-Cleanse Co. (Street Sweepers), Sandusky, O.
***Wayne Works, Inc., Richmond, Ind.**
†West Coast Wagon Co., Tacoma, Wash.
*Westcott Motor Car Co., Springfield, O.
†Western Automobile Co., Seattle, Wash.
White Motor Co. (Patrols, Buses & Ambulances, Trucks), 79 & St. Clair, Cleveland, O.
*†Wichita Automobile Co., Wichita, Kan.
†Wichita Falls Motor Co., Wichita Falls, Tex.
†Wilcox H. E. Motor Co., 1030 N E Marshall, Minneapolis, Minn.
Willys Corp., Elizabeth, N. J.
*†Willys-Overland Co., Toledo, O.
†Wilson J. C. Co., 15th & Warren, Detroit Mich.
†Winther Motor Truck Co., Kenosha, Wis.
***Winton Co., Berea rd, Cleveland, O.**
†Witt-Will Co., 52 N, N E, Washington, D. C.
§Woods Mobilette Co., 2007 S Michigan av, Chicago, Ill.
*Woods Motor Vehicle Co. (Electric), 2515 Calhuall, Chicago, Ill.
†W. S. Truck Co., Birmingham, Mich.
†Zeitler & Lamson Truck Co., 4644 W Madison, Chicago, Ill.

## 322—Automobile or Motor Car Trade Names

Each name is followed by the title (in some cases in an abbreviated form) of the firm making or handling car. For the full name, address and variety of product of each firm see the preceding list of Automobile Builders.

Names of Foreign Cars are followed by the word "Imported"

**"ACASON"—Acason Motor Truck Co.**
"ACME"—Acme Motor Truck Co.
"ACME"—Acme Wagon Wks
"ALLEN"—Allen Motor Car Co.
"AMERICAN"—American Motors Corp.
"AMES"—Ames M. C. Co.
"ANDERSON"—Anderson Motor Co.
"APPERSON JACK RABBIT"—Apperson Bros. Automobile Co.
"ARGONNE"—Argonne Motor Car Co.
"ARMLEDER"—Armleder O. Co.
"ATLANTIC"—Atlantic Electric Vehicle Co.
"ATLAS"—Martin Truck & Body Corp.
"ATTERBURY"—Atterbury M. C. Co.
"AUBURN"—Auburn Automoble O. Co.
"AUGLAIZE"—Auglaize M. C. Co.
"AUSTIN"—Austin Automoble Co.
"AUTOCAR"—Autocar Co.
"AVAILABLE"—Available T. Co.
"BABY GRAND"—Chevrolet Motor Co.
"BARKER"—Barker C. L.
"BAUER"—Bauer Machine Works Co.
"BEAVER"—Beaver State Motor Co.
"BECK"—Beck-Hawkeye Motor Truck Co.
"BEECH CREEK"—Beech Creek Truck & Auto Co.
"BEGGS"—Beggs Motor Car Co.
"BELL"—Bell Motor Car Co.
"BESSEMER"—B. M. T. Co.
"BEST"—Dort Motor Car Co.
"BETHLEHEM"—Bethlehem Motor Corp.
"BIDDLE"—Biddle Motor Car Co.

AUTOMOBILE OR MOTOR CAR TRADE NAMES—continued

"BIRCH"—Birch Motor Cars, Inc.
"BLAIR"—Blair Motor Truck Co.
"BOUR DAVIS"—Louisiana Motor Car Co.
"BRINTON"—Brinton Motor Truck Co.
"BRINTON"—Brinton Motor Truck Co,. 5805 Market, Philadelphia, Pa.
"BROCKWAY"—Brockway, M. T. Co.
"BUCKEYE"—Buckeye Mfg. Co.
"BUICK"—Buick M. Co.
"BURG"—Burg L. Carriage Co.
"BUTLER"—Huselton Auto Co.
"C. T."—Commercial T. Co. of America
"CADILLAC"—Cadillac Motor Car Co.
"CAMPBELL"—Campbell Motor Car Co.
"CASE"—Case J. I. Threshing Machine Co.
"CASS"—Independent Motor Co.
"CENTURY"—Century Mfg. Co.
"CHADWICK"—Chadwick Engineering Works
"CHALMERS"—Maxwell Motor Co.
"CHAMPION"—Champion Wagon Co.
"CHANDLER"—Chandler M. C. Co.
"CHASE"—Chase Motor T. Co.
"CHEVROLET"—Chevrolet M. Co.
"CHRYSLER 6"—Willys Corp.
"CLYDE"—Clyde Cars Co.
"COEY,, JR."—Coey Motor Co.
"COLE"—Cole M. C. Co.
"COLLIER"—Collier Motor Truck Co.
"COLUMBIA"—Columbia Motor Truck & Trailer Co.
"COMET"—Comet Automobile Co.
"COMMER"—Commercial Cars, Ltd.
"COMMERCE"—Commerce M. C. Co.
"COMMONWEALTH" — Commonwealth Motors Co.
"CONCORD"—Abbot-Downing Truck & Body Co.
"CONNERSVILLE"—Connersville Buggy Co.
"CONTINENTAL" — Continental Truck Mfg. Co.
"CORBITT"—Corbitt Motor Truck Co.
"CORLISS"—Corliss Motor Truck Co.
"COUPLE GEAR"—Couple Gear Freight Wheel Co.
"CRANE & BREED"—Crane & Breed Mfg. Co.
"CRAWFORD"—Crawford Automobile Co.
"CROCE"—Croce Auto Co.
"CROW-ELK-HART" — Crow-Elkhart M. Co.
"CROWTHER"—Crowther Motor Co.
"CULVER"—Culver Mfg. Co.
"CUNNINGHAM"—Cunningham Jas. Son & Co.
"CURTIS"—Pittsburgh Machine Tool Co.
"D. B."—Dodge Bros., Inc.
"D-E"—Day-Elder Motors Co.
"DANIELS EIGHT"—Daniels Motor Car Co.
"DANIELSON"—Danielson Engine Works
"DARRACO" (Imported) — Kluyskens, G. J.
"DARRACQ"—Klusykens, G. J.
"DART"—Dart Truck & Tractor Corp.
"DAVIS"—Davis G. W. M. C. Co.
"DE DION-BOUTON" (Imported)—De Dion-Bouton Auto Co.
"DE KALB"—De Kalb Mfg. Co.
"DEKALB"—De Kalb Wagon Co.
"DENBY"—Denby Motor Truck Co.
"DE TAMBLE"—De Tamble Motors Co.
"DETROIT ELECTRIC"—Anderson Electric Car Co.
"DIAMOND T"—Diamond T. M. C. Co.
"DISPATCH"—Dispatch Motor Car Co.
"DIXIE"—Dixie Motor Car Co.
"DOANE"—Doane Motor Truck Co.
"DOBLE"—Doble Abner Co.
"DOBLE - DETROIT"—Doble - Detroit Steam Motors Co.
"DODGE"—Dodge Bros, Inc.
"DORRIS"—Dorris Motor Car Co.
"DORT"—Dort Motor Car Co.
"DOUGLAS"—Douglas Motor Corp.
"DREADNOUGHT MOLINE" — Moline Auto Co.
"DREXEL"—Drexel Motor Car Corp.
"DRUMMOND"—Drummond Motor Co.
"DUDLEY BUG"—Dudley Tool Co.
"DUNN CAR"—Dunn Walter E.
"DUPLEX 4 WHEEL DRIVE"—Duplex Truck Co.
"DYNAMIC"—Gallion Dynamic M. T. Co.
"EAGLE"—Eagle-Macomber Motor Car Co.
"ELCAR"—Elkhart Carriage & Motor Car Co.
"ELECTROMOBILE" — Electromobile Motor Car Co.
"ELDRIDGE"—Eldridge Mfg. Co.
"ELGIN"—Elgin Motor Car Corp.
"ELLSWORTH"—Mills Ellsworth Co.
"ELMIRA"—Elmira Commercial Motor Car Co.
"EMPIRE"—Empire Automobile Co.
"ENGER"—Enger M. C. Co.
"ERIE"—Erie Motor Truck Co.
"ERWIN"—Erwin Motor & Machine Co.
"EWBANK"—Ewbank Elec. Transmission Co.
"F. R. P."—Porter, Finley, Robertson Co.
"F. & S."—F. & S. Motors Co.
"FAGEOL"—Fageol Motors Co.
"FARGO"—Fargo M. C. Co.
"FEDERAL"—Federal M. T. Co.
"FERRIS"—Ohio Motor Vehicle Co.
"FLINT"—Dort Motor Car Co.
"FORD"—Ford Motor Co.
"FORSCHLER"—Forschler Motor Truck Mfg. Co.
"FOUR WHEEL DRIVE"—Four Wheel Drive Auto Co.
"FRANKLIN"—Franklin H. H. Mfg. Co.
"FRITCHLE"—Fritchle Electric Co.
"FRONTENAC"—Frontenac Motor Co.
"FULTON"—Fulton Motors Truck Co.
"G. M. C."—General M. T. Co.
"G. V."—General Vehicle Co.
"G. V. MERCEDES"—General Vehicle Co., Inc.
"GABRIEL"—W. H. Gabriel Carriage & Wagon Co.
"GARFORD"—Garford Motor Truck Co.
"GARY"—Gary Motor Truck Co.
"GENEVA"—Geneva Wagon Co.
"GERSIX"—Gersix Mfg. Co.
"GILLETTE"—Gillette Motors Co.
"GLIDE"—Bartholomew Co.
"GOLDEN WEST"—Golden West Motors
"GRAMM-BERNSTEIN" — Gramm-Bernstein Co.
"GRANT"—Grant M. Car Corp.
"GREAT EAGLE"—U. S. Carriage Co.
"GRINNELL"—Grinnell E. C. Co.
"HAHN"—Hahn M. T & W. Co.
"HAL"—Hal Motor Mfg. Co.
"HALL"—Lewis-Hall Iron Works
"HANNIBAL"—Hannibal Wagon Co.
"HARDER"—Harder A. T. Co.
"HARLEY DAVIDSON"—Harley Davidson Motor Co.
"HARRISON"—Harrison R. Co.
"HARVARD" — Harvard-Pioneer Motor Car Corp.
"HARVEY"—Harvey M. T. Works
"HATFIELD"—Cortland Cart & Carriage Co.
"HAWKEYE"—Hawkeye Truck Co.
"HAYNES"—Haynes Automobile Co.
"HENDERSON"—Henderson Bros.
"HENDRICKSON" — Hendrickson Motor Truck Co.
"HERFF BROOKS"—Wayne Works
"HEWITT"—International Motor Co.
"HEWITT-LUDLOW"—Ralston Iron Wks. Inc.
"HEWITT-LUDLOW"—H. L. Auto Co.
"HOAGLAND THAYER" — Hoagland Thayer
"HOFFMAN"—Hoffman M. T. Co.
"HOLMES"—Holmes Automobile Co.
"HOOVER"—Hoover Wagon Co.
"HORNER" — Detroit-Wyandotte Motor Truck Co.
"HOWARD"—Howard A. Co.
"HUDSON SUPER SIX"—Hudson Motor Car Co.
"HUPMOBILE"—Hupp Motor Car Co.
"HUPP-YEATS" — Hupp-Yeats Electric Car Co.
"HURLBURT"—Hurlburt Motor Truck Co.
"IANCO"—International Aerial Navigation Co.
"IDEAL"—Ideal Auto Co.
"INDEPENDENT" — Independent Motors Corp.
"INDIANA"—Indiana Truck Co.
"INTERNATIONAL"—International Harvester Co.
"INTERSTATE"—Interstate Motor Co.
"JACKSON"—Jackson Automobile Co.
"JONES"—Jones Motor Car Co.
"JORDAN"—Jordan Motor Car Co.
"JUMBO"—Nelson Motor Truck Co.
"KEARNS"—Kearns M. T. Co.
"KELLY"—Kelly-Springfield M. T. Co.
"KIMBALL"—Kimball C. P. & Co.
"KING"—King A. R. Mfg. Co.
"KING"—King M. C. Co.
"KISSEL"—Kissel M. C. Co.
"KISSEL KAR"—Kissel M. C. Co.
"KLEIBER"—Kleiber & Co.
"KLEMM"—Klemm E. R.
"KLINE KAR"—Kline Car Corpn'n
"KOEHLER"—Koehler H. J., S. G. Co.
"KOPP"—Kopp Motor Truck Co.
"KREBS"—Krebs Com. Car Co.
"KRICKWELL"—Krickwell M. Co.
"LAMBERT"—Buckeye Mfg. Co.
"LAMSON"—United Four Wheel Drive Truck Corp.
"LANDSHAFT"—Landshaft Wm. & Sons
"LANE"—Kalamazoo Motors Corp.
"LANGE"—Lange M. T. Co.
"LARRABEE"—Larrabee-Deyo Motor Truck Co.
"LAUGHLIN" — Laughlin-Homer Engineers Corp.
"LAUREL 35"—Laurel Motor Car Co.
"LEACH"—Leach-Bitwell Motor Co.
"LE MOON"—Nelson & Le Moon
"LENOX"—Lenox M. C. Co.
"LEXINGTON"—Lexington Motor Co.
"LIBERTY"—Liberty Motor Car Co.
"LIGHT CAR"—Monroe Motor Co.
"LIPPARD-STEWART"—Lippard-Stewart M. C. Co.
"LITTLE PRINCESS" — Princess Motor Car Co.
"LOCOMOBILE"—Locomobile Co. of Am.
"LONGEST"—Longest Bros. Co.
"LOZIER"—Lozier M. Co.
"LUVERNE"—Luverne Auto Co.
"M. H. C."—Michigan Hearse & Motor Co.
"McFARLAN"—McFarlan Motor Co.
"MACCAR"—Maccar Truck Co.
"MACK"—International Motor Co.
"MADISON"—Madison Motors Corp.
"MAIBOHM"—Maibohm Motor Co.
"MAIS"—Mais M. T. Co.
"MAJESTIC"—Milwaukee Auto E. & S. Co.
"MARION"—Mutual Motors Co.
"MARMON"—Nordyke & Marmon Co.
"MARTIN"—Martin Truck & Body Corp.
"MATHER"—Mather S. W. Auto Co.
"MAXWELL"—Maxwell Motor Co.
"MENOMINEE"—Menominee Motor Truck Co.
"MERCER"—Mercer Auto Co.
"METEOR"—Meteor Motor Car Co.
"MIER"—Mier Carriage & Buggy Co.
"MILBURN"—Milburn Wagon Co.

AUTOMOBILE BUILDERS—continued

"MINERVA" — (Imported)—Minerva Motor Car Co.
"MITCHELL"—Mitchell Motors Co., Inc.
"MOBILETTE"—Woods Mobilette Co.
"MOELLER"—New Haven T. & A. Works
"MOGUL"—Mogul M. T. Co.
"MOLINE KNIGHT"—Root & Van Dervoort Engr. Co.
"MONARCH"—Monarch Light Truck Co.
"MONROE"—Monroe Motor Co.
"MOON"—Moon Jos. W. Buggy Co.
"MOON"—Moon Motor Car Co.
"MOORE"—Moore Motor Vehicle Co.
"MOORE"—Pacific Metal Products Co.
"MORA"—Mora P. W. Co.
"MORELAND"—Moreland M. T. Co.
"MORSE"—Easton Machine Co.
"MOYER"—Moyer H. A.
"MURRAY CAR"—Murray Motor Car Co.
"MUSKEGON"—Muskegon Engine Co.
"NAPOLEON"—Traverse City Motor Co.
"NASH"—Nash Motors Co., The
"NATIONAL"—National M. C. & M. V. Corp.
"NELSON & LE MOON"—Nelson & Le Moon.
"NETCO"—New England Truck Co.
"NEVILLE"—Neville T. & Co.
"NEWARK"—Blair Motor Truck Co.
"NEW YORK"—Tegetmeier & Riepe Co.
"NORWALK"—Norwalk M. C. Co.
"OAKLAND"—Oakland Motor Car Co.
"OLD HICKORY"—Kentucky Wagon Mfg. Co.
"OLD RELIABLE"—Old Reliable M. T. Co.
"OLDSMOBILE"—Olds Motor Works
"OVERLAND"—Willys-Overland Co.
"PACKARD"—Packard Motor Car Co.
"PAIGE"—Paige-Detroit M. C. Co.
"PALMER"—Commonwealth Motors Co.
"PALMER"—Palmer-Meyer M. C. Co.
"PANHARD"—Panhard Motors Co.
"PARKER"—Parker Motor Truck Co.
"PARTIN"—Commonwealth Motors Co.
"PATERSON"—Paterson W. A. Co.
"PATHFINDER"—Pathfinder Co.
"PEERLESS"—Peerless M. C. Co.
"PENNSY"—Pennsy Motors Co.
"PETREL"—Petrel Motor Car Co.
"PIERCE ARROW"—Pierce Arrow Motor Car Co.
"PIGGINS"—Piggins Motor Truck Co.
"PILOT"—Pilot M. C. Co.
"PREMIER"—Premier Motor Corp.
"PRINCESS"—Princess Motor Car Co.
"PULLMAN"—Pullman Motor Car Co.
"R. C. H."—R. C. H. Corp.
"RAINIER"—Rainier Motor Corp.
"REGAL"—Regal Motor Car Co.

"REMINGTON"—Remington M. Co.
"RENAULT"—(Imported)—Renault Selling Branch
"REO"—Reo Motor Car Co.
"REPUBLIC"—Republic M. Truck Co.
"RICHARD"—Richard Auto Mfg. Co.
"RICHMOND"—Wayne Works
"RIKER" (Capacity 1½ to 5 tons)—Locomobile Co. of America.
"ROAMER & HALLADAY"—Barley Motor Car Co.
"ROBINSON"—Robinson M. T. Co.
"ROCKET"—Scripps-Booth Corp.
"ROYAL"—Royal M. T. Co.
"ROYAL MAIL"—Chevrolet Motor Co.
"RUSH"—Rush Motor Truck Co.
"SAGINAW"—Valley Boat Motor Co.
"SANDOW"—Sandow Motor Truck Co.
"SANFORD"—Sanford M. T. Co.
"SAURER"—International Motor Co.
"SAXON"—Saxon Motor Car Co.
"SAYERS & SCOVILL"—Sayers & Scovill Co.
"SCHACHT"—Schacht G. A. M. T. Co.
"SCHILDWACHTER"—Schildwachter Auto Co.
"SCHLEICHER"—Schleicher M. V. Co.
"SCRIPPS-BOOTH"—Scripps Booth Corp.
"SEBRING"—Sebring M. C. Co.
"SELDEN"—Selden Truck Corp.
"SERVICE"—Service M. T. Co.
"SHERIDAN"—Sheridan Commercial Car Co.
"SIGNAL"—Signal M. T. Co.
"SIMPLEX"—Simplex Automobile Corp.
"SINGER"—Singer Motor Co.
"SOUTH BEND"—South Bend Motor Car Works
"SPAULDING"—Spaulding Mfg. Co.
"SPOERER"—Spoerer's C. Sons Co.
"SPRITE"—Frazier W. S. & Co.
"STAFFORD"—Stafford M. C. Co.
"STANDARD"—Standard Steel Car Co
"STANLEY"—Stanley M. C. Co.
"STATES"—States Motor Car Mfg. Co.
"STEARNS-KNIGHT"—Stearns F. B. Co.
"STECO"—Stephens James S.
"STEELE"—Steele W. M.
"STEGEMAN"—Stegeman M. C. Co.
"STEPHENS"—Stephens Motor Br. of Moline Plow Co.
"STERLING"—Sterling Motor Truck Co.
"STERNBERG"—Sternberg Motor Truck Co.
"STEWART"—Stewart M. Corp.
"STUDEBAKER"—Studebaker Corp'n
"STUTZ"—Stutz M. C. Co.
"SULLIVAN"—Sullivan M. T. Corp.
"SUN"—Sun Motor Car Co.
"SUNLIGHT SIX"—Sun Motor Car Co.
"SUPERIOR"—Superior Motor Truck Co.
"TEMPLAR"—Templar Motors Corp.
"THOMAS"—Thomas E. R. Motor Car Co.
"TIFFIN"—Tiffin Wagon Co.
"TOWER"—Tower Motor Truck Co.
"TRABOLD"—Trabold Truck Mfg. Co.
"TRAFFIC"—Traffic Motor Truck Corp.
"TRIUMPH"—Triumph M. C. Co.
"TROJAN"—Commercial Truck Co.
"UNION"—Union Motor Truck Co.
"UNITED"—United Motors Co.
"U. S."—United States M. T. Co.
"UNIVERSAL"—Universal Service Co.
"URBAN"—Kentucky Wagon Mfg. Co.
"VEERAC"—Veerac Co.
"VELIE"—Velie Motors Corp.
"VIALL"—Viall Motor Car Co.
"VIM"—Vim Motor Truck Co.
"VOGUE"—Vogue Motor Car Co.
"VOLTZ"—Voltz Bros.
"W. S."—W. S. Truck Co.
"WACO"—Western Automobile Co.
"WALKER BALANCE DRIVE"—Walker Vehicle Co.
"WALTER"—Walter M. T. Co.
"WARD"—Ward M. V. Co.
"WARREN"—Warren Motor Truck Co.
"WAVERLY"—Waverly Co.
"WAYNE"—Automobile Mfg. & Eng. Co.
"WESTCOTT"—Westcott M. C. Co.
"WEST COAST"—West Coast Wagon Co.
"WESTERN"—Western Automobile Co.
"WHITE"—White Motor Co.
"WICHITA"—Wichita Falls M. Co.
"WILCOX-TRUX"—Wilcox H. E. Motor Car Co.
"WILSON"—Wilson J. C. Co.
"WINTON"—Winton Co.
"WITT-WILL"—Witt-Will Co.
"WOLVERINE"—Am. Commercial Car Co.
"WOODS"—Woods M. V. Co.
"WOODS MOBILETTE"—Woods Mobilette Co.
"YALE"—Saginaw Motor Car Co.
"ZEITLER & LAMSON"—Zeitler & Lamson Truck Co.

## 323-4-5—*Automobile Electrical Equipment

Metal Specialties Mfg. Co. ("Presto"), 338 N Kedzie av, Chicago, Ill.
Spafford Machine Screw Wks., Hartford, Conn.
**WESTINGHOUSE ELEC. & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## Automobile Hampers

**See Baskets, Hampers & Touring Cases, Automobile**

## 326—Automobile Oil Retainers

Bossert Corp. (The) (Valve Spring), cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
**Paddock Cork Co., 1209 De Kalb av, Brooklyn, N. Y.**

## 328—Automobile Parts & Fittings

See also the Special Article Required
American Die & Tool Co., Reading, Pa.
Apco Mfg. Co., Providence, R. I.
Auto Ped Co. of Am. (Peds & Principal Parts), Thompson av & Arton, L. I. City, N. Y.
Baker Gun & Forging Co., Batavia, N. Y.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
**BOSSERT CORPORATION, THE** (Pressed to Order), cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Dixie Brass & Foundry Co., Birmingham, Ala.
Fiat Metal Mfg. Co., 223 W Huron, Chicago, Ill.
Federal Gear Co. of Cleveland, Cleveland, Ohio
Federal Machine Products Co., Farnsworth & Beaufoit, Detroit, Mich.
Foxboro Company, The ("Foxboro" Automobile Gauges), Foxboro, Mass.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro" Automobile Gauges), Foxboro, Mass.
*See adv index at end of book*
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
Hoosier Auto Parts Co. (Dry Disc. Clutches, Muncie, Ind.
**LAPIERRE H. M. CO.,** 1314 W 21st, Chicago, Ill.
**LUNKENHEIMER CO. (Lubricators & Fittings). Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.** *See adv index at end of book*
Man-Sherwood Supply Co., 1616 W 3rd, Cleveland, O.
Maskell J. H. Machine & Mfg. Co., 1421 E 40th, Cleveland, Ohio
Metal Specialties Mfg. Co. ("Presto" Lamp Sockets, Plugs & Switches), 338 N Kedzie av, Chicago, Ill.
Milwaukee Metal Working Co., 383 Clinton, Milwaukee, Wis.
Moon Machine Co., Muncie, Ind.
National Steel Products Co., Dayton, O.
National Gauge & Equipment Co. (Instruments Only), La Crosse, Wis.
*See adv index at end of book*
Norwalk Auto Parts Co. (Brake Bands & Universal Couplings), Norwalk, O.
Oakes Co. (Stamped), Indianapolis, Ind.
Peters Machine & Mfg. Co., 7320 Madison av, Cleveland, O.
Recording Devices Co., Dayton, Ohio
Sherman-Klove Co., 4538 W Harrison, Chicago, Ill.
Smith A. O. Corp. (Gear Blanks, Forgings, Frames & Connecting Rods), Milwaukee, Wis.
Standard Automatic Tool Co., Racine, Wis
Standard Equipment Co., Lorain av & W 106th, Cleveland, O.
Standard Steel Tube Co., Toledo, O.
Standard Turnbuckle Co., Corry, Pa.
Stevenson Mfg. Co. (Wooden), South Bend, Ind.
*See adv index at end of book*
Superb Mfg. Co., Inc., Monticello, Ind.
Taylor Instrument Co's (Chargometers and Autoaltimeter), Rochester, N. Y.
Vahan Products Co., 73rd & St. Clair, Cleveland, O.
Warren Machine Products Co. (Gearing Transmission Axles), Warren, Pa.
**WATERBURY MFG. CO.,** Waterbury, Conn.
Welsmore Mfg. Co., Inc., 302 E. Congress, Detroit, Mich.
Wheel B. Top & Hardware Co., 127 E 8th, Cincinnati, O.
Williams J. H. & Co. (Forgings), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*
Willys-Morrow Co. Inc., Elmira, N. Y.
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.

## Automobile Sheet Metal Forms

**See Stamping, Automobile**

## 329-30—Automobile Steering Links

Cincinnati Ball Crank Co., North Oakley, Cincinnati, O.
Vahan Products Co., 73rd & St. Clair, Cleveland, O.

## 331—*Automobile Tank & Muffler Parts

National Gauge & Equipment Co., La Crosse, Wis.
*See adv index at end of book*

## 332—Automobile Tanks & Mufflers

See also Mufflers, Automobiles; also Tanks
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
**SCAIFE WM. B. & SONS CO.,** First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 332a—*Automobile Trimmings

Schlegel Mfg. Co., Rochester, N. Y.

## 333—Automobiles (Juvenile)

Arden Bennett Corp., 450 E 148th, New York
Carolina Metal Co., Shelby, N. C.
Custer Specialty Co. (Electric & Gasoline), 28 N Ludlow, Dayton, O.

## 334— Automotoneers

**Electric Service Supplies Co. ("Garton & Daniels," For Street Railway Controllers),** 17th & Cambria, Phila., Pa.

## 334a— *Auto Specialties

Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*

## 334b— *Auto Tool

Williams J. H. Co. ("Vulcan" Drop Forged), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 334c— *Auxiliaries (Marine)

**GRISOM - RUSSELL CO.** ("Reilly") 92 West, New York
*See adv index at end of book*
Rix Compressed Air & Drill Co. (Air Compressors), 505 Howard, San Francisco, Cal. ***See adv index at end of book***

## 335— Awls (Belt)

Braunsdorf-Mueller Co., Elizabeth, N. J.
**Greene, Tweed & Co. ("Lathrop's"),** 109 Duane, New York
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
**Kraeuter & Co.,** 583 18th av, Newark, N. J.
Manufacturers' Belt Hook Co. ("L-X", "Lothrop"), 1321 W. Congress, Chicago, Ill.
**Mound Tool Co., 1203 S 7th, St. Louis, Mo.**
Osborne C. S. & Co., Box 183 Newark, N. J.
*See adv index at end of book*
Stanley Rule & Level Co. ("Hurwood"), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Swan James Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.

## 336-7— Awls (Brad)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Tool Co. ("Hargrave"), Norwood, Cincinnati, O.
*See adv index at end of book*
Holt G. L. Co., Hartford, Conn.
Mayhew H. H. Co., Shelburne Falls, Mass.
U. S. Needle Concern (Carpenters'), 912 W Madison, Chicago, Ill.

## 338— Awls (Harness, Etc.)

Peg Sewing, etc.

Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
**Dikeman Mfg. Co., Norwalk, Conn.**
Lawton & Bushman ("Summers"), Burlington, Wis.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co., 28 Warren, New York
Myers C. A. Awl Co. ("Wonderful" Sewing), 6316 University av, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Richard Stephen Co. (Peg Hafts), Southbridge, Mass.
Sargent & Co. (Peg), New Haven, Conn.
Stanley Rule & Level Co. ("Hurwood"), New Britain, Conn.
Stewart-Skinner Co. ("Speedy Stitcher"), Worcester, Mass.
Thornton John Jr. ("John Nichol's" Imp), 108 Worth, New York
Tuck Mfg. Co., Brockton, Mass.
U. S. Needle Concern (Drawing), 912 W Madison, Chicago, Ill.

## Awls (Ice)

See Picks, Ice

## 339— Awls (Lime Hook)

Emrich Phil, 824 Main, Cincinnati, O.

## 340— Awls (Scratch)

Arcade Mfg. Co. (Wood Handle & "Serpentine"), Freeport, Ill.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne & Dowd Mfg. Co., Meriden, Conn.
Buck Bros. Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Bullock Mfg. Associates, Springfield, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co. (Socket), 71 Murray, New York
Mayhew H. H. Co, Shelburne Falls, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Mfg. Co., 1119 Santa Fe, Los Angeles
Robinson M. W. Co. ("Robinson"), 296 B'way, New York
S. & I. Co., Springfield, Mass.
Sargent & Co., New Haven, Conn.
**SMITH & HEMENWAY CO. INC.** ("Red Devil"), 261 H, B'way, New York, & 130H, Colt, Irvington, N. J.
*See adv index at end of book*
Stanley Rule & Level Co. ("Hurwood"), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.

## 341— Awning Fixtures

Hettrick Mfg. Co., Toledo, Ohio
Roe Justus & Sons ("Roe's" Roller), **Patchogue, N. Y.**
Wilcox, Crittenden & Co., Inc., Middletown, Conn.

## 342— Awning Fixtures (Blind)

Parker Wire Goods Co., Worcester, Mass.
Wire Goods Co. ("North"), Worcester, Mass.

## 343— Awning Stripes

**ATLANTA TENT & AWNING CO.,** Atlanta, Ga.
Barrell Wm. L. Co. 8 Thomas, New York
Columbian Mfg. Co., Greenville, N. H.
Falls Co., Norwich, Conn.
Gary James S. & Son, Equitable bldg, Baltimore, Md.
Glen Raven Cotton Mills, Glen Raven, N. C.
Hettrick Mfg. Co., Toledo, O.
**Kneedler & Co., Eadom & Kennedy, Phila., Pa.**
Mt. Vernon-Woodberry Mills, Inc., Cont bldg, Baltimore, Md.
**Otis Co., Ware, Mass.**
**Texas Cotton Mill Co., McKinney, Tex.**
Thorndike Co., Thorndike, Mass.
**Warren Mfg. Co., Warren, Md.**
**Whitaker Wm. & Sons, Cedar Grove, Phila., Pa.**
**White Bros., Winchendon Springs, Mass.**

## 344—Awnings (Cast Iron & Steel)

Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 345-6—Awnings (Corrugated Steel)

See also Cornices & Skylights

Canton Metal Ceiling Co., Canton, O.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
**Decatur Cornice & Roofing Co., New Decatur, Ala.**
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Eller Mfg. Co., Canton, O.
Gara-McGinley Co., 23 S 17th, Phila., Pa.
Garry Iron & Steel Mfg. Co. of N. Y., 819 Lincoln pl, Brooklyn, N. Y.
**Globe Iron Roofing & Corrugating Co., Newport, Ky.**
Harry O. K. Steel Co., 2333 Papin, St. Louis, Mo.
**Harry O. K. Steel Works, Dallas, Tex.**
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
**Hyndman Roofing Co., 318 E 2d, Cincinnati, O.**
Illinois Art Metal Co., Springfield, Ill.
International Steel & Iron Co., Evansville, Ind.
Martin Metal Mfg. Co., Wichita, Kans.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mesker Geo. L. & Co., Evansville, Ind.
Milwaukee Corrugating Co., Milwaukee, Wis.
New Orleans Roofing & Metal Co. ("Nola") Cortez & Orleans, New Orleans, La.
Newport Rolling Mill Co., Newport, Ky.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
**Penn Metal Ceiling & Roofing Co. Ltd., 23d & Hamilton, Phila., Pa.**
**Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.**
Republic Structural Iron Works Co., 1350 E 53rd, Cleveland, O.
**St. Louis Wire & Iron Co., 926 Chouteau av, St. Louis, Mo.**
Smith, F. P., Wire & Iron Works, 2340-48 Clybourn av, Chicgo, Ill.
*See adv index at end of book*
Souther E. E. Iron Co., Kienlin & Hamburger, St. Louis, Mo.
Stoneman M. G. & Son, Albany, N. Y.
**Sykes Co., 930 W 19th pl, Chicago, Ill.**
Trumbull Steel Co., Warren, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Corrugated Sheets Only), Wheeling, W. Va.

## Awnings & Tents

See Tents, Contractors

## 347— Axe Mfrs.

American Axe & Tool Co., Glassport, Pa.
Black John B. Co. ("Wm. Beatty & Sons"), Chester, Pa.
Bradley G. W. Axe & Tool Mfg. Co. (Ship-Carpenters' Chopping, Dock, Turpentine, Steel Poll, Bitted & Double Bitted Axes), 119 Leonard, New York
C. A. C. Axe Co., Holbrook, Mass.
Colclesser Bros., El Dorado, Pa.
Collins Co., Collinsville, Conn.
Damon Bros., Carmel, Me.
Dunn Edge Tool Co. ("Clipper," "Black Champion," "Aroostookaxe," "Victory," "Peerless," "Eaton" Patent Process, etc), Oakland, Me.
Emerson & Stevens Mfg. Co., Oakland, Me.
Evansville Tool Works, Evansville, Ind.
Hammond C. & Son, Ogontz, Pa.
Kelly Axe Mfg. Co. ("Kelly Perfect," "Flint Edge," "Vulcan"), Charleston, W. Va.
Kensington Hdwe & Tool Mfg. Co. (Cast Iron), 410 Mechanic, Germantown
King John, Oakland, Me.
**Louisville Axe & Tool Co., Highland Park, Ky.**
McKinnon Rockaway Axe Co., Rockaway, N. J.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mann Edge Tool Co., Lewistown, Pa.
Mann Jas. H. Co., Lewistown, Pa.
Marble Safety Axe Co., Gladstone, Mich.
North Wayne Tool Co. (Hand-made), Hallowell, Me.
Peavey Mfg. Co. ("Peavey" Chopping, Stamp Pole, Hunting, Last Block & Splitting, etc), Bangor, Me.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R. (Inc.), ("Anchor"), Tucker & James, Fkd, Phila., Pa.
Reading Saddle & Mfg. Co., Reading, Pa.
Rixford Mfg. Co., East Highgate, Vt.
Romer Axe Co. ("Romer"), Dunkirk, N. Y.
Rubinow Edge Tool Works, 35 Vesey, Newark, N. J.
Warren Axe & Tool Co. ("Sager"), Warren, Pa.
Weston Thos. B., 708 Light, Baltimore, Md.
What Cheer Tool Co. ("What Cheer"), What Cheer, Ia.
White G. Axe Co., Honesdale, Pa.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Witham G. S. & Son, Caratunk, Me.

## 348— Axes (Boys')

American Axe & Tool Co. ("Blood's Champion," "Usona," "Red Warrior," "Hurd," "Americanax," "Niagara," "Red Ridge," "Hubbard"), Glassport, Pa.
Evansville Tool Works, Evansville, Ind.
Mann Edge Tool Co. ("Diamond," "Red Top"), Lewistown, Pa.
Plumb Fayette R. (Inc.), ("Anchor"), Tucker & James, Phila., Pa.
Romer Axe Co. ("Faultless," "Lake City," "Romer," "Uncle Sam"), Dunkirk, N. Y.
Rubinow Edge Tool Works ("Empire," Republic"), 35 Vesey, Newark, N. J.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 349— Axes (Broad)

American Axe & Tool Co. ("Champion," "Diamond A," "Peerless," "Red Warrior," "Underhill," "Hurd," "Hunt"), Glassport, Pa.
Black John B. Co. ("Wm. Beatty & Sons"), Chester, Pa.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Collins Co., Collinsville, Conn.
Evansville Tool Works, Evansville, Ind.
Kelly Axe Mfg. Co. ("Kelly Perfect," "Flint Edge," "Vulcan"), Charleston, W. Va.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
**Mann Edge Tool Co., Lewistown, Pa.**
Peavey Mfg. Co., Bangor, Me.
Plumb Fayette R. (Inc.), ("Anchor"), Tucker & James, Phila., Pa.
Romer Axe Co. ("Romer"), Dunkirk, N. Y.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 350— Axes (Firemen's)

American Axe & Tool Co. ("Hurd," "Blair," "Lippincott," "Underhill"), Glassport, Pa.
Black Jno. B. Co. ("Wm. Beatty & Sons"), Chester, Pa.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Collins Co., Collinsville, Conn.
Evansville Tool Works, Evansville, Ind.
Hayward S. F. & Co., 250 W 54th, New York
Kelly Axe Mfg. Co. ("Kelly Perfect," "Flint Edge," "Vulcan"), Charleston, W. Va.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
Romer Axe Co. ("Romer," Handled), Dunkirk, N. Y.
Safety Fire Extinguisher Co., 295 7th av, New York
*See adv index at end of book*
Warren Axe & Tool Co. ("Sager"), Warren, Pa.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 351— Axes (Hunters')

American Axe & Tool Co. ("Americanax," "Hurd," "Blood," "Duquesne," "Hunt," "Underhill," "Redridge," "H. T. Miller's"), Glassport, Pa.
C. A. C. Axe Co. ("Damascus"), Holbrook, Mass.
Collins Co., Collinsville, Conn.
Dunn Edge Tool Co., Oakland, Me.
Evansville Tool Works, Evansville, Ind.
Grey Iron Casting Co., Mt. Joy, Pa.
Marble Arms & Mfg. Co. ("Marble's" Handy, for Hunters, etc), Gladstone, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R. (Inc.) ("Anchor"), Tucker & James, Phila., Pa.
Reading Saddle & Mfg. Co., Reading, Pa.
Romer Axe Co. ("Romer," Handled), Dunkirk, N. Y.
Rubinow Edge Tool Works ("Empire," "Republic"), 35 Vesey, Newark, N. J.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Williams A. C. Co. (Cast Iron Only), Ravenna, Ohio
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 352— Axes (Ice)

American Axe & Tool Co. ("Underhill"), Glassport, Pa.
Black John B Co. ("Wm. Beatty & Sons"), Chester, Pa.

Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Collins Co., Collinsville, Conn.
Dernell H. F. Co., Athens, N. Y.
Evansville Tool Works, Evansville, Ind.
Gifford-Wood Co., Hudson, N. Y.
Romer Axe Co ("Romer" Handled), Dunkirk, N. Y.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.
Warren Axe & Tool Co. ("Sager"), Warren, Pa.

## 353— Axes (Stone)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Beall Bros., Alton, Ill.
Evansville Tool Works, Evansville, Ind.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Oliver Iron & Steel Co., S. 10th & Muriel, Pittsburgh, Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.
Warren Tool & Forge Co. (also With Teeth), Warren, O.
*See adv index at end of book*
Warwood Tool Co., Warwood, Wheeling, W. Va.

## 354-5— Axes (Tobacco)

Bicknell Mfg. & Supply Co., Janesville, Wis.

## Axle Lights (Electric)

See Car Lighting Apparatus

## 356— Axles (Automobile)

See also Axles, Carriage & Wagon; also Wheels & Axles, Ball & Roller Bearings

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Billings & Spencer Co., Hartford, Conn.
Columbia Axle Co., 826 E 72d, Cleveland, O.
Covert Motor Vehicle Co., Lockport, N. Y.
Detroit Axle Co., 231 16th, Detroit, Mich.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Empire Axle Co. (For Motor Trucks), Dunkirk, N. Y.
Gibbes Machinery Co., Columbia, S. C.
Gill P. H. & Sons, 2 Lorraine, Brooklyn, N. Y.
Higgins Spring & Axle Co. (Truck & Trailers), Racine, Wis.
Heb L. Smelting & Refining Co., 1250 W 8th, Cincinnati, O.
Liggett Spring & Axle Co., Monongahela, Pa.
Martin Rocking Fifth Wheel Co. (Floating Bearing Trailer), 21 Besse pl., Springfield, Mass.
Mott Wheel Works, Jackson, Mich.
National Tube Co. ("Shelby" Seamless Steel Tubing), Frick bldg, Pittsburgh, Pa.
Ohio Forge Co. (Rough Only), Cleveland, O.
Park Drop Forge Co. (Steel), 760 E 79th, Cleveland, O.
Parry Mfg. Co., Indianapolis, Ind.
**PRESTON MOTORS CORP.** (Front & Rear), 2702 N 24th, Birmingham, Ala.
*See adv index at end of book*
Richards Albert J., 632 W Jefferson, Louisville, Ky.
Russel Motor Axle Co. (Motor Truck), Chene & B. L. R. R., Detroit, Mich.
Salisbury Axle Co., Inc. (Wheels & Axles), Jamestown, N. Y.
Sheldon Axle & Spring Co. (Motor Truck), Wilkes-Barre, Pa.
Standard Parts Co. (The), Cleveland, O.
**THOMASVILLE IRON WORKS, INC.,** Thomasville, Ga.
*See adv index at end of book*
Timken-Detroit Axle Co., Clark av, Detroit, Mich.
Timken Roller Bearing Co. (Roller Bearing Auto Truck & Farm Tractor), Canton, O.
Torbenson Axle Co. C., 152nd, Cleveland, O.
Transue & Williams Steel Forging Corp., Alliance, O.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissdale, Pa.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Warren Machine Products Co., Warren, Pa.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Tool & Forge Co. (Forged), Brackenridge, Pa.
Weston-Mott Co., Flint, Mich.
Williams J. H. & Co. (Front and Rear Forgings), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*
Wyman-Gordon Co. (Front & Rear for Pleasure & Commercial), Worcester, Mass.

## Axles (Ball or Roller Bearing)

See Wheels & Axles, Ball or Roller Bearing

## 357—Axles (Car & Locomotive)

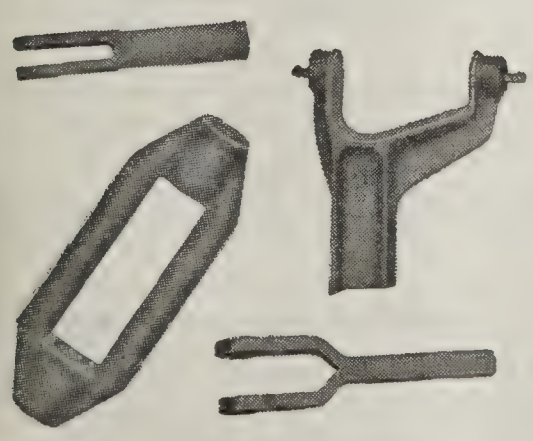
See also Axles, Mine Car; also Axles, Street Car

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Car & Foundry Co. (Car, Locomotive & Mine Car), Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co. (Car Only), Cleveland, O. *See adv index at end of book*
Bass Foundry & Machine Co. (Iron & Steel Car, Driving, etc), Fort Wayne, Ind.
Bethlehem Steel Co. (Nickel Steel, Car, Locomotive, etc), South Bethlehem, Pa.
Boston Forge Co. (Tender, Truck & Driving), E. Boston, Mass.
Bradley Osgood Car Co., Worcester, Mass.
Cambria Steel Co., Widener bldg, Phila, Pa
Carbon Steel Co. (Nickel Steel Car, Locomotive, etc)), ft. 32d, Pittsburgh, Pa.
Carnegie Steel Co. (Car, Locomotive, etc), Carnegie bldg., Pittsburgh, Pa.
Empire Axle Co. (Rear Worm Drive for Motor Trucks), Dunkirk, N. Y.
Gould Coupler Co. (Car & Locomotive), 30 E 42nd, New York
Griffin Wheel Co., 332 S Michigan av, Chicago, Ill.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Johnson J. R. & Co., Richmond, Va.
Jones & Laughlin Steel Co. (Cold Rolled Steel), Ross, Pittsburgh, Pa.
Keystone Axle Works, 33d & A-V R R, Pittsburgh, Pa.
Kilby Car & Foundry Co., Anniston, Ala.
Maclede Steel Co., Arcade bldg, St. Louis, Mo. Forge Wks., E St. Louis, Ill.
Liggett Spring & Axle Co., Monongahela, Pa.
Philadelphia Steel & Forge Co., 50 Church, New York
Pittsburgh Crucible Steel Co. (Steel), Midland, Pa.
Pittsburgh Forge & Iron Co. (Locomotive, Car, etc), Chamber of Commerce bldg, Pittsburgh, Pa.
Pollak Steel Co (Car, Locomotive & Driving), Carthage, Cincinnati, O., & Hobart bldg, San Francisco, Cal.
Pressed Steel Car Co. (Electric & Steam Railway Car, Industrial & Mine), 307 5th av, Pittsburgh, Pa.
Sanford-Day Iron Works (Car), Knoxville, Tenn.
Sizer Forge Co. (Locomotive, Car, etc), 238 Larkin, Buffalo, N. Y.
Standard Forgings Co., 80 E Jackson blvd, Chicago, Ill.
Standard Steel Works Co. (Locomotive), Morris bldg, Phila., Pa.
Torbenson Axle Co. E., 152nd, Cleveland, O.
Union Iron Works (Car), Hoboken, N. J.
Willard Sons & Bell Co., 3044 98th, Chicago, Ill.

## 358—Axles (Carriage & Wagon)

See also Axles, Automobile

American Axle Works, 12th & Montgomery av, Phila., Pa.

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PLANT NO. 2
BIRMINGHAM, U. S. A.

AXLES (CARRIAGE & WAGON)—contd.
Bailey S. R. & Co. (For Own Use), Amesbury, Mass.
Concord Axle Co. (& Wagon, also Brown's Roller Bearing Axles), Penacook, N. H.
Drummond Mfg. Co., Louisville, Ky.
**ELECTRIC WHEEL CO.** (Wagon Axles Only), Station D, Quincy, Ill.
*See adv index at end of book*
Gardner E. J. Axle & Machine Co., Carlisle, Pa.
Hay, Houston Axle Co., Coshocton, O.
Higgins Spring & Axle Co., Racine, Wis.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Keagy & Lear Machine Co., Coshocton, O.
Keystone Axle Works, 33d & A V R R, Pittsburgh, Pa.
Liggett Spring & Axle Co., Monongahela, Pa.
Martin Rocking Fifth Wheel Co., 21 Besse pl, Springfield, O.
Meeker Mfg. Co. (Ball Bearing), Dayton, Ohio
Mott Wheel Works, Jackson, Mich.
National Tubular Axle Co., Emigsville, Pa.
St. Louis Axle Co., La Salle W of Jefferson, St. Louis, Mo.
Sheldon Axle & Spring Co. ("Anchor," "Dragon," "Empire," "Ton-Don," Ball Bearing), Wilkes-Barre, Pa.
Standard Parts Co. (The), Cleveland, O.
Timken Roller Bearing Co. (Roller Bearing Wagon), Canton, O.
Union Drop Forge Co., 358 W Grand av, Chicago. Ill.
Wood, Smith & Co., Chicago Heights, Ill.
Wurster F. W. & Co., 375 Kent av, Brooklyn, N. Y.

## 359—Axles (Children's Carriage)

Wagner E. R. Mfg. Co., North Milwaukee, Wis.

## 360— Axles (Mine Car)

See also Axles, Car & Locomotive; also Wheels, Mine Car
Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Alloy Steel Forging Co., Carnegie, Pa.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Driggs-Seabury Ordnance Co., Sharon, Pa.
Fleming J. R. & Son Co., Scranton, Pa.
Gustafson Mfg. Co., Chattanooga, Tenn.
Irwin Foundry & Mine Car Co., Irwin, Pa.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Pennsylvania Carting & Machine Co., (& Mine Locomotive), 501 Preble, Pittsburgh, Pa.
Pittsburgh Ridge & Chateau Knife & Forge Co., 709 Belmont, Pittsburgh, Pa.
Pollak Steel Co., Cincinnati O.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Sanford-Day Iron Works, Knoxville, Tenn.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
United Iron Works, Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
Watt Mining Car Wheel Co., Barnesville, Ohio
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Wilkes-Barre Iron Mfg. Co., Wilkes-Barre, Pa.

## Axles (Roller Bearing)

See Wheels & Axles, Ball or Roller Bearing

## 361— Axles (Steel Truck)

**ELECTRIC WHEEL CO.**, Station D, Quincy, Ill. *See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
Standard Parts Co., Cleveland, Ohio
Williams J. H. & Co. (Automobile Drop Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 362— Axles (Street Car)

See also Wheels, Street Car; also Trucks, Car, Steam & Electric
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Bass Foundry & Machine Co., Fort Wayne, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
Bradley Osgood Car Co., Worcester, Mass.
Brill J. G. Co., 62nd & Woodland av, Philadelphia, Pa.
Cambria Steel Co., Widener bldg, Phila., Pa.
Carbon Steel Co., ft of 32nd, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Eccles & Smith Co., 71 1st, San Francisco, Cal.
Griffin Wheel Co., 332 S Michigan av, Chicago, Ill.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Laclede Steel Co., Arcade bldg., St. Louis, Mo.
Pittsburgh Forge & Iron Co. (Hammered), Chamber of Commerce bldg, Pittsburgh, Pa.
St. Louis Car Co., 8000 N Broadway, St. Louis, Mo.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Forgings Co., 80 E Jackson blvd, Chicago, Ill.
Standard Steel Works Co., Morris bldg, Phila., Pa.
Taylor Electric Truck Co., ("Taylor" forged), Troy, N. Y.
Union Drawn Steel Co., Beaver Falls, Pa.

## 362a— Axles (Tractor)

Standard Parts Co., Cleveland, O.

## 362b— Axles (Trailer)

Standard Parts Co., Cleveland, O.

## 363— Axles (Vanadium Steel)

Vanadium Corp. of Am., Equitable bldg, New York
**ELECTRIC STEEL & FORGE CO.**, 6600 Grant av, Cleveland, Ohio
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 364—Axles & Shafts (Hollow)

Bay City Forge Co., 1820 Cranberry, Erie, Pa
Bethlehem Steel Co., South Bethlehem, Pa.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Electric Steel Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Laclede Steel Co., Arcade bldg., St. Louis, Mo.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.

## 365— Azotine

White Thos. H. & Co. (Brokers), 11 S Gay, Baltimore, Md.
Wuichet Fertilizer Co., Dayton, O.

## 366— Babbitt Metal

See also Bearings of Various Kinds

### ALABAMA.

BIRMINGHAM—Ajax Metal Co. (of the South)
MONTGOMERY — Janney & Company (Monarch Ball)
*See adv index at end of book*

### CALIFORNIA.

LOS ANGELES — Los Angeles Smelting Co., 739 N Main
SAN FRANCISCO—Am. Smelters Securities Co., 201 1st, San Francisco, Cal.
Atlas Brass Works, 612 Bryant.
Atlas Brass Works, 431 Folsom
Finn Jno. Metal Works, 384 2d
Garratt W. T. & Co., 299 Fremont
Great Western Smelting & Refining Co., 75 Folsom
Pacific Metal Works, 153 1st
Selby Smelting Works, 201 1st

### COLORADO.

DENVER—Slack-Horner Brass Mfg. Co.
Metals Product—Wensley Lead Co.
TRINIDAD—Trinidad Foundry & Machine Works
DENVER—Wensley Metals Products Co.

### CONNECTICUT.

BRIDGEPORT — Bridgeport Deoxidized Bronze & Metal Co.
Jacob Bros.
Sanford David C. Co.
HARTFORD—Blake Edwin J.
NEW HAVEN—Graham Jas. & Co.
United Smelting & Aluminum Corp. ("U. S. A. Havabar," "U. S. A. Long Life," "U. S. A. Lodestan," "U. S. A. Special," "U. S. A. Elm City"), 183-189 Commerce

GEORGIA—
ATLANTA—Cotton States Belting & Supply Co.

### ILLINOIS.

AURORA—Aurora Metal Co. (Brand "R. R.")
CHICAGO—Besley Chas. H. & Co. ("Helmet"), 120 North Clinton. Works: Beloit, Wis.
**Birkenstein S. & Sons, 377 W Ontario**
Blancke A. C. & Co., 116 S Michigan av. *See adv index at end of book*
**Blatchford E. W. Co., 230 N Clinton**
**Channon H. Co. ("Onoko"), 150 N Market**
**Chicago Journal Bearing Co., 519 W Vanburen**
Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
**Eagle Picker Lead Co. (The), ("Ewlco"), 208 S La Salle**
**Great Western Smelting & Refining Co., 4100 Wallace**
Gump B. F. Co., 431 S Clinton
Illinois Smelting & Refining Co., 410 N Peoria
Kramer H. & Co. (In Pig), 1324 W 21st pl
**MERCHANT & EVANS CO. (of Philadelphia, Pa.)**, 347 Sheldon
*See adv index at end of book*
Metals Refining Co., Inc. (Owl), Edison bldg, Ill.
**Monarch Metal Co., 119 S Lincoln**
Murphy Metal Co., 327 S La Salle,
**Paragon Metal Co., 3050 S Ashland av**
Raymond Lead Works (Aluminum Copper, etc.), 735 S Washtenaw av
**Ryerson Jos. T. & Son ("Glyco," Bearing Metal & Skeleton Bearing Construction)**, 910 Corn Exchange bldg & 16th & Rockwell
*See adv index at end of book*

"GLYCO" BABBITT METAL
Uniform—Homogeneous—Friction Reducing
A Special Alloy Made From Virgin Metals Only
*Send for booklet on Bearing Metals*
JOSEPH T. RYERSON & SON
Chicago St. Louis Detroit Buffalo New York

Sandoval Zinc Co., 410 N Peoria
*See adv index at end of book*
**Staplin & Smith (High Speed Copper & Aluminum Nickel)**, 359 W Austin
**West Side Metal Refining Co., 1447 S Sangamon**

### INDIANA.

EAST CHICAGO—U. S. Reduction Co. ("Advance")
INDIANAPOLIS—Zenite Metal Co.

### KANSAS.

KANSAS CITY—Badger Gas & Gasoline Engine Co.

### KENTUCKY.

LOUISVILLE—Belknap Hdw. & Mfg. Co.

### LOUISIANA.

NEW ORLEANS—Woodward, Wight & Co., Ltd. ("Strength & Wear"), Howard av & Constance

### MARYLAND.

BALTIMORE—Maryland Brass & Metal Works), Calvert & Federal
**Merchant & Evans Co. (of Phila., Pa.), 232 St. Paul**
*See adv index at end of book*
**Schultz A. G. & Co. ("Eureka"), 114 E Lombard**

### MASSACHUSETTS.

BOSTON—Blaney Cyril C., 16 Kingston
Chadwick-Boston Lead Co., 162 Congress
Eastern Metal & Refining Co., 121 Beverly
Herrick Co., 49 Broad
Richards & Co., ("Richards"), 192 Beverly
Star Refining Co., 116 W First
FITCHBURG—Hardy William A. & Sons Co. ("S. S." Metal), 113 Water
Welch E. J. & Co.
LAWRENCE—Gallison F. L.
WALTHAM—Waltham Foundry Co.

### MICHIGAN.

DETROIT—Bostwick Jas. M. C., 372 Abbott
Hewitt Sales Co., 1325 12th
Jacobson I. M. & Sons Co. ("Motex"), 70 Catherine
Magnus Co., 945 Griffin

**MICHIGAN SMELTING & REFINING CO.**

(Tungsten Copoloy Bearing Metal), 1695 Jos. Campau

Mogul Metal Co. ("Mogul"), 161 Larned W.
Muzzy-Lyon Co., Ltd., 161 Larned av
Wing J. T. & Co., 19 Woodward av
GRAND RAPIDS—Hayden J. M. Co. ("Globe")
KALAMAZOO—New Era Mfg. Co. ("New Era" White Bronze)
LAURIUM—Lake Superior Brass Foundry Co. ("C. & H.")

### MINNESOTA.

DULUTH—Duluth Brass Works Co. (Round & Hexagon Stick Brass & Specialty)
ST. PAUL—Northwestern Shot & Lead Works, 90 Fairfield av W

### MISSOURI.

KANSAS CITY—**MERCHANT & EVANS CO.** (of Phila., Pa.), 2008 Baltimore av
*See adv index at end of book*
Rogers Metal Works
ST. LOUIS—Eureka Brass Co., 601 Red Bud av
Gilbert A. & Sons Brass Foundry Co. ("C" Nickel, "I" Anti-Friction), 4019 Forest Park blk
Hiertz Theo. Metal Co. ("Nonpariel"), Alaska & Tesson
Hoyt Metal Co., Boatmen's Bank bldg
**MORE-JONES BRASS & METAL CO.** ("Hoo-Hoo," "Universal," "Motor." "Armature," "Improved," "Crescent," "Rex," "Regent"), Broadway & Dock.
*See adv index at end of book*
Rumsey L. M. Mfg. Co., 4372 Westminster
Zelnicker Walter A. Supply Co., 325 Locust *See adv index at end of book*

### NEW JERSEY.

BELLEVILLE—Eastwood Wire Mfg. Co. ("Perfection")
Canfield M. C. Sons Co., 93 Wilsey, Newark, N. J.
GLEN RIDGE—Benson H. K. & F. S. ("B. & M.")
HARRISON—Allan A. & Son ("Allan" Red Anti-Friction Metal), 6th & Bergen
HOBOKEN—Lehman Bros.
JERSEY CITY—Brady Brass Co. ("Cyprus"), 170 14th
Williams E. A. & Son, 109 Plymouth
NEWARK — Union Smelting & Refining Co. Inc., St. Charles
RIVERSIDE—Riverside Metal Co.

### NEW YORK.

BUFFALO—**LUMEN BEARING CO.**, 200 Lathrop
*See adv index at end of book*
Runskool Metal Co., 1095 Niagara
LOCKPORT—Electric Smelting & Aluminum Co.

### NEW YORK CITY.
#### Borough of Brooklyn.

Continental Metal Co., 57-61 Richards, B'klyn, N. Y.
BROOKLYN—Fidelity Metal Co., 192 Diamond
Henning V. & Sons. 330 Belmont av
Improved Appliance Co., 413 Kent av
Kahn Bros. ("Reliable"), 785 Humboldt
McLaughlin's Sons Co., 230 N 12th
Pan Amer. Smelting Works, Calyer & Moultrie
United American Metals Corpn. (Syracuse Smelting Works Subsidiary) ("Stanley Process" & "Syracuse Brand"), 192 Diamond

#### Boroughs of Manhattan and Bronx.

NEW YORK—**AMALGAMATED METALS SELLING CO., LTD.**, 42 B'way
Bronze Metal Co., 30 Church
Columbia Smelting & Refining Works, 366 West
Eagle Smelting & Refining Works, 233 Broadway
Fahrig Metal Co. ("Fahrig" Anti-Friction), 34 Commerce
Fairbanks Co. ("Fairbanks"), 416 Broome
London & Sack, 259 Front
Lubricating Metal Co. ("Noheet"), 2 Rector
Magnolia Metal Co., 113 Bank
*See adv index at end of book*


**MAGNOLIA METAL**
**STANDARD BABBITT OF THE WORLD**

Lowest frictional coefficient; absorbs less power; wears longer; saves oil, fuel, metal cost of rebabbitting, etc.

**Magnolia Metal Co.**
NEW YORK CHICAGO MONTREAL


**MERCHANT & EVANS CO.** (of Phila., Pa.), 242 Water
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome *See adv index at end of book*
Nassau Smelting & Refining Works ("Edison" & "Monarch"), 603 W 29th
National Lead Co. ("Dutch Boy Phoenix"), 111 B'way
North American Copper Co., 52 Vanderbilt av, New York
Post E. L. & Co. ("Post's Zero"), 50 Cliff
United Lead Co., 111 B'way

#### Borough of Queens.

Central Smelting & Refining Co., Borden av & Hayward
LONG ISLAND CITY—Leddell Metals Co. ("Bee"), 281 Borden av
Lissberger Marks & Son ("Semper Idem," "Bestmetal,," "Everlasting," Improved Anti-Friction, "Competitor," "Star"), 281 Borden av
**(End of New York City)**
ROCHESTER—Atkinson Co. ("Plata," "Superior," "Genuine," "Standard" & "Gas Engine")
Coates, Bennett & Reidenbach
Rochester Lead Works
Wray Henry & Son
SYRACUSE—Empire Metal Co.

### OHIO.

CINCINNATI—American Smelting & Refining Co.
Cincinnati Metal Refining Co., 1314 Dayton
Edna Brass Mfg. Co. ("Porteous,," Grafite), 525 Reading rd
National Lead Co. (of New York), 659 Freeman av
Wolff L. A. Metal Works, 1257 Harrison av
Wolff Metal Co., 1803 John
CLEVELAND—Cleveland Alloys Co. ("Prize Ribbon," "Golden Grain," "Sham-Rock," "Velvet," "Nugget," "Lucky Strike"), Elm & Superior
Metal Sales Co. ("Renown")
National Copper Refining Co., 7003 Quincy
National Lead Co., 637 Champlain av, N W
COLUMBUS—Ohio Metal Co. ("Betarbest"), 1137 N 4th
DAYTON—Buckeye Iron & Brass Works (High Grade)
ELYRIA—American Crucible Furnace Co.

### OREGON.

PORTLAND—Multnomah Metal Wks.
Pacific Metal Works

### PENNSYLVANIA.

CHESTER—Crown Smelting Co.
CONNELLSVILLE—Riverside Metal Refining Co. (Bessemer, "U. S. Standard").
Elmore, Water D., Bessemer bldg, Pittsburgh, Pa.
ERIE—Erie White Metal Co.
LANCASTER—Raub Supply Co.
MANHEIM—Bond Foundry & Machine Co., Lancaster
NEW CASTLE—Douds Frank C. & Co. (Mica)
NORTH EAST—Eureka Co. ("Eureka")
PHILADELPHIA — Ajax Metal Co. ("Ajax," "Ajax Mitifine," "Ajax Tinite," "Ajax Copper Hardened," "Ajax Genuine," "Ajax Armature," "Ajax Bull," "Ajax Plumbite"), 46 Richmond
Am. Manganese Bronze Co., 3501 Rhawn
Bond Chas. Co., 617 Arch
Cramp Wm. & Sons Ship & Engine Bldg. Co., Beach & Ball
Delaware Metal Refinery, Washington & 18th
Goldstein's L. Sons, Allegheny blk, Richmond
Hagstoz T. B. & Son, 709 Sansom
Lewis John T. & Bros. Co., Lafayette bldg
Lukens Thos. F. Metal Co. ("Lukens," "Viking," "Queen Bee"), 238 N 4th
McHatton Foundry Co., 1500 Washington av
**MERCHANT & EVANS CO.** ("Universal," "Iridium" and Silver Genuine), Washington av & 21st
*See adv index at end of book*
North American Smelting Co. ("Vulcan"), 9th & Thompson
Penn Smelting & Refining Works, 906 Filbert
Reeves Paul S. & Co., 1415 Catherine
Rosenthal's Joseph Sons, 190 W Berks
U. S. Smelting Works, 1615 Spring Garden
Woodfall Bros., 1105 Fairmont av
PITTSBURGH—Cadman A. W. Mfg. Co. ("Acorn" Aluminum), 2816 Smallman
Colonial Supply Co., 217 Water
*See adv index at end of book*
**DAMASCUS BRONZE CO.** ("Damascus," "Globe," "Larsons")
*See adv index at end of book*

**LARSON'S ANTI-FRICTION METAL**

The most widely used general purpose Babbitt in the country.

Careful study of these alloys has enabled us to make recommendations for your requirements that will give satisfaction and economy.

**DAMASCUS BRONZE COMPANY**
N. S. Pittsburgh

PENNSYLVANIA—Pittsburgh—continued
Frick & Lindsay Co. (Dealers), Sandusky & Robinson
*See adv index at end of book*
Keystone Bronze Co., 39th & A. V. R. R. *See adv index at end of book*
Lawrenceville Bronze Co., Bessemer bldg
Murdock A. & Co., Lailor bldg
**National Lead & Oil Co. (of Pa.)**, Commonwealth bldg
Penna. Smelting Co., First National Bank bldg
Pittsburgh Brass Mfg. Co. ("Mansfield"), Penn & 32nd.
**Pittsburgh Gage & Supply Co. ("Paramount," "Copper Alloy")**, 30th & Liberty av
**Pittsburgh Smelting & Refining Co.**, Elizabeth & B. & O. R. R.
**Pittsburgh White Metal Co.**, 3116 Penn av
Turner C. A., 3rd & Chauncery
Vanadium Metals Co., **Vanadium bldg**
POTTSTOWN—Light Mfg. & F'dry Co. ("Automobile Brand")
READING—Am. Boron Products Co., 686 Court
**READING—Excelsior Brass Works**
**SCRANTON—Everhart Brass Works**

**SOUTH CAROLINA.**

**CHARLESTON—Bailey-Lebby Co. (Special Anti-Friction)**

**TENNESSEE.**

**CHATTANOOGA—Frictionless Metal Co.**

**VIRGINIA.**

RICHMOND—Glacier Metal Co., Hull & 22d
Smith-Courtney Co. ("Dixie Antifriction")

**WASHINGTON.**

SEATTLE—Finn Jno. Metal Works
TACOMA—Puget Sound Metal Works

**WEST VIRGINIA.**

WHEELING—Wheeling Metal & Mfg. Co.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.)

**WISCONSIN.**

APPLETON—Carson-Rowell & Co. (Crucible Copper Carbon Metals)
MILWAUKEE—Crown Metal Co., 259 Washington
Milwaukee Tack Co. ("Misco"), 27th & Wahl av
**Progressive Metal & Refining Co.**, 432 Barclay
**NEENAH—Neenah Brass Works**

## Babbitt Metal Melters

**See Furnaces, Babbitt Melting**

## 367— Back Bands (Horse)

**COUCH BROS. MFG. CO.** ("Boss," "Number Ten," "H. & A.," "Gurly Web"), Atlanta, Ga.

## 368— *Backs (Brush)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*

## 368a— Backs (Calendar)

Chicago Mat Board Co., 664 Washington blvd, Chicago, Ill.
**General Advertising Co. (Metal), Reading, Pa.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 369-70—*Backs (Hand Mirror)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons (Wood), 364 5th av, New York** *See adv index at end of book*

## 371—Backs (Steel, for Brake Beams)

**Davis Brake Beam Co., Johnstown, Pa.**
Hammond Steel Co., Inc., Syracuse, N. Y.

## 372—*Backs (Thermometer)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons (Wood), 364 5th av, New York** *See adv index at end of book*

## 373—Bacteriological Apparatus

Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
**Bausch & Lomb Optical Co., Rochester, N. Y.**
Castle Wilmot Co., Rochester, N. Y.
Leny Apparatus Co., 9 E 16th, New York
**Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.**

## 374— Badges & Emblems

Ajax Badge Co., Kansas City, Mo.
Am. Badge Co. (Celluloid Metal Ribbon), 143 W Austin av, Chicago, Ill.
Am. Emblem Co., 333 Columbia, Utica, N. Y.
Arlington Works (The), (E. I. du Pont De Nemours Co), 21 E 40th, New York
Artistic Metal & Badge Co., 1 Beekman, New York
Bainbridge Chas. J., Syracuse, N. Y.
Bennett F. L. & Co., Rochester, N. Y.
Bernhard F. A. & Co. (Flags, etc.), 275 W 23rd, New York
Blackinton V. H. & Co., **Attleboro Falls**, Mass.
Boston Badge Co., 294 Washington, Boston, Mass.
**Braxmar C. G. Co., 10 Maiden la, New York**
Brophy Chas. A., 33 Eddy, Aurora, Ill.
Brown Wm. R. Co., 33 Eddy, Providence, R. I.
Brunt Walter N., 880 Mission, San Francisco, Cal.
Childs S. D. & Co., 136 S Clark, **Chicago**, Ill.
Cincinnati Regalia Co., 4th & Elm, Cincinnati, Ohio
Colorado Badge & Nov. Co., Denver, Colo.
De Moulin Bros. Co., Greenville, Ill.
Diehl Wm. H., 923 Ridge, Phila., Pa.
Dunn J'lry Co., 82 Nassau, New York
Eagle Badge & Button Co., 217 Grand, New York
Eagle Regalia Co., 115 Nassau, New York
Empire Nov. Co., 3546 S 5th av, Chicago, Ill.
Evans & Convery, 24 N 6th, **Phila., Pa.**
Geraghty & Co., 305-37 W Lake, Chicago, Ill.
Gibson A. C. Co., Buffalo, N. Y.
Goodell Jas. M. Jr., Inc., 150 N Loraine av, Chicago, Ill.
Grammes L. F. & Co., 344 Union, Allentown, Pa. *See adv index at end of book*
Handley & Co., 50 John, New York
Hanson C. H. Co., 178 N Clark, **Chicago**, Ill.
Harris Benj Co., 229 Bowery, New York
Helwig Wm. & Co., Cincinnati, O.
International Register Co. ("Heeren"), 15 Throop, Chicago, Ill.
Interboro Metal & Badge Co., 16 Maiden lane, New York
Irvine & Jackens, 1027 Market, San Francisco, Cal.
Johnson Arthur & Co., 45 John, New York
Jones Ed. & Co., Oakland, Cal.
Kasper Stamp & Seal Co., 1103 Locust, St. Louis, Mo.
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Keene, Chas. A., 180 B'way, New York
Klimpf Metal Co., 14 John, New York
Koch Gustav & Co., 120 S Clark, Chicago, Ill.
Louisiana Metal Cabinet Works (Metal Emblem), New Orleans, La.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Moise-Klinkner Co., 369 Market San Francisco, Cal.
Mulhaupt F. Joseph, Lafayette, Ind.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Pasquale, B. Co., Inc., 115 Post, San Francisco, Cal.
Pilgrim Specialty Co., Malden, Mass.
Reading Ribbon Badge Co. (Celluloid & Ribbon), Reading, Pa.
Riley-Klotz Mfg. Co. (Badges & Mountings), 17 Mulberry, Newark, N. J.
Robbins Jno. Mfg. Co., 58 Kneeland, Boston, Mass.
Schlechter Edw. H., Allentown, Pa.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Sommer Badge Mfg. Co., Newark, N. J.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Standard Emblem Co., 1 Madison av, New York
Steiner Engraving & Badge Co., 804 Pine, St. Louis, Mo.
Stoll Robt., 12 John, New York
Union Emblem Co., Palmyra, Pa.
Ward-Stilson Co., Anderson, Ind.
Waterbury Button Corporation (Numbered Metal, Convention, Military, Hat, etc.), 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Western Badge & Button Co., Los Angeles, Cal.
Western Badge & Nov. Co., St. Paul, Minn.
Whitehead & Hoag Co., 272 Sussex av, Newark, N. J.
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
Winship Chas. A. & Co. (Secret Society), 159 N State, Chicago, Ill.
Woodman R. Mfg. & Supply Co., 82 Sudbury, Boston, Mass.

## 375— Bags (Air Tube)

Empire Tire & Rubber Corp., Trenton, N. J.

## 376— Bags (Bat & Uniform)

**Spalding A. G. & Bros., 126 Nassau, New York**
Stall & Dean Mfg. Co., Brockton, Mass.

## 377— Bags (Bill Posters')

**Excelsior Bag & Mfg. Co., Troy, N. Y.**

## 377a— *Bags (Bowling Ball)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 378— Bags (Canvas)

Aronoff, Joseph J., Trenton, N. J.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Iden Wm. A. Co., 564 Washington Blvd, Chicago, Ill.
Hettrick Mfg. Co., Toledo, Ohio
**STANLEY, WM. W.** (Waterproof, also in heavy canvas for shipping & samples, also specialties made to order), 50 Church, New York

## 378a— Bags (Carbon)

Adams Bag Co., 1900 Euclid av, Cleveland, O.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.

## 379— Bags (Carryall)

Draper Maynard Co., Plymouth, N. H.
Effbee Co., 306 S Franklin, Chicago, Ill.

## 380—Bags (Cement, Plaster, Etc.)

Adams Bag Co. (Paper), 1900 Euclid av, Cleveland
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Chatfield & Woods Co. (Paper), 3d & Plum, Cincinnati, O.
Cleveland-Akron Bag Co. ("Saxolin" Paper), Cleveland, O.
Continental Paper Bag Co. (Paper), 18 E 40th, New York
**Fulton Bag & Cotton Mills, Atlanta, Ga.**
**George & Sherrard Paper Co. (Paper), Wellsburg, W. Va.**
Jaite Company (Paper), Jaite, O.
**Milwaukee Bag Co. (Paper), 206 S Water, Milwaukee, Wis.**
Phillips Thos. Co. (Paper), Akron, O.
Riegel Sack Co., 8 W 40th, New York
Royal Mills (Cloth, Cement), Charleston, S. C.
Taggart Bros. Co., Watertown, N. Y.
Tarentum Paper Mills (Paper), 2d Natl. Bk. bldg, Pittsburgh, Pa.

**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Valve Bag Co. of America (Paper), 3431 Summit av, Toledo, O.
*See adv index at end of book*
West Jersey Paper Mfg. Co. ("Wethrprufe" Paper), Camden, N. J.

## 381— Bags (Clothes Pin)

Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Bridgeport Wire Goods Co., East Port Chester, Conn.
Cleveland-Akron Bag Co., Cleveland, O.
Excelsior Bag & Mfg. Co. ("Excelsior," "Handy"), Troy, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hettrick Mfg. Co., Toledo, Ohio

## 382— Bags (Coal & Coke)

Adams Bag Co., 1900 Euclid av, Cleveland, O.
American Bag Co., 3rd & Harrison, Oakland, Cal.
American Commercial Corp. (Canvas), 120 Broadway, New York
Aronoff Joseph J., Trenton, N. J.
ATLANTA TENT & AWNING CO., Atlanta, Ga
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper Bag Co. (Paper), 18 E 40th, New York
Coye Charles A. (Canvas), Grand Rapids, Mich.
Daniels C. R., Inc., 115 South, New York
Excelsior Bag & Mfg. Co. ("Excelsior" Canvas), Troy, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hettrick Mfg. Co., Toledo, O.
Iden Wm. A. Co. (Coal), 564 Washington Blvd, Chicago, Ill.
Klein Max, 38 Park Row, New York
*See adv index at end of book*
Lane W. T. & Bro. (Canvas), Poughkeepsie, N. Y.
Meyer L. M. & Co., Springfield, Mass.
Mills Andrew & Sons, 53 South, New York
Morris & Co. (Cotton Duck), Groveville, N. J.
Phillips Thos. Co., Akron, O.
Sackett H. B. Screen & Chute Co. (Canvas, etc), 1691 Elston av, Chicago, Ill.
Taggart Bros. Co., Watertown, N. Y.
Zittlosen Mfg. Co., Park & Dolman, St. Louis, Mo.

## 383— Bags (Coffee)

American Bag Co., 3rd & Harrison, Oakland, Cal.
Bemis Bros. Bag Co., 601 S 4th, St. Louis, Mo.
Chase H. & L. Bag Co., 8 N. Main, St. Louis, Mo.
Continental Paper Bag Co. (Paper), 18 E 40th, New York
Fulton Bag & Cotton Mills, Atlanta, Ga.
Halsted E. S. & Co. (Burlap), 64 Pearl, New York
Klein Max, 38 Park Row, New York
*See adv index at end of book*
Lawson Jacob Bag Co. (Burlap), 264 Water, New York
Logie James & Co. (Imp Burlap), 42 B'way, New York
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.

## 384— Bags (Coin & Bond)

Aronoff Joseph J., Trenton, N. J.
Excelsior Bag & Mfg. Co., Troy, N. Y.
Fulton Bag & Cotton Mills (Coin
ta, Ga.
Golden Belt Mfg. Co. (Coin), Durham, N.C.
Hettrick Mfg. Co., Toledo, Ohio
Milwaukee Bag Co. (Coin), 206 S Water, Milwaukee, Wis.
Warren Leather Goods Co., Worcester, Mass.

## 385— *Bags (Coke, Paper)

Taggart Bros. Co., Watertown, N. Y.
**UNION PAPER AND TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## Bags (Cotton)

See Bags and Bagging

## 386— Bags (Cotton Pick)

**ATLANTA TENT & AWNING CO.** (Cotton), Atlanta, Ga.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hettrick Mfg. Co., Toledo, Ohio

## 387— Bags (Feed)

Bemis Bro. Bag Co. (Cotton & Jute), 601 S 4th, St. Louis, Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper Bag Co. (Paper), 18 E 40th, New York
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Klein Max, 38 Park Row, New York
*See adv index at end of book*
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Taggart Bros. Co., Watertown, N. Y.

## 388— Bags (Filter)

Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Brooklyn Filter Bag Co., 643 Kent av, Brooklyn, N. Y.
Cleveland-Akron Bag Co., Cleveland, O.
Filter Fabrics (For Every Type of Filter), Salt Lake City, Utah
Fulton Bag & Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
National Sales Co. (Imp.), 31 E 13th, av, Cleveland
Stanley Wm. W. (All Varieties), 50 Church, New York

## 389— Bags (Flour)

Adams Bag Co. (Paper only), 1900 Euclid av, Cleveland
Bemis Bros. Bag Co. (Paper), 601 S 4th, St. Louis, Mo.
Crunden-Martin Mfg. Co., 2nd & Gratiot, St. Louis, Mo.
Dien & Wing Paper Co., Gilbert av, Cincinnati, O.
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills (& Paper), Atlanta, Ga.
Harrisburg Bag & Box Co. (Paper), Harrisburg, Pa.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Philadelphia Bag Co. (Paper), 84 Tasker, Phila., Pa.
Phillips Thos. Co. (Heavy Paper), Akron, O.
Riegel Sack Co., 8 W 40th, New York
Taggart Bros. Co., Watertown, N. Y.

## 390— Bags (Gas Engine)

Davol Rubber Co., 69 Point, Providence, R. I.
Hodgman Rubber Co., 8 W 40th, New York
Mulconroy Co., 54th & Jefferson, Phila, Pa.
U. S. Rubber Co., 1790 Broadway, New York

## 391— Bags (Gas Main)

Behringer Edw. A. Inc. ("Endurance"), 98 Park Pl, New York
U. S. Rubber Co., 1790 Broadway, New York

## 392— Bags (Golf)

Boyle John & Co., 112 Duane, New York
Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.
Crawford, McGregor & Canby Co., Dayton, O.
Hill Richard F. Mfg. Co., 219 High, Newark, N. J.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Spalding A. G. & Bros., 128 Nassau, N. Y.
Victor Sporting Goods Co., Springfield, Mass.
Warren Leather Goods Co., Worcester, Mass
Wilson Thos. E. & Co., 729 N Sangamon, Chicago, Ill.

## 392a— Bags (Grain)

American Bag Co., 3rd & Harrison, Oakland, Cal.
ATLANTA TENT & AWNING CO., Atlanta, Ga.
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Moore Geo. A. & Co., 212 California, San Francisco, Cal.

## 393— Bags (Grease)

Allen Auto Specialty Co., 16 W. 61st, New York
Continental Paper Bag Co., 18 E 40th, New York
Detroit Leather Works, 141 E Lafayette Detroit, Mich.
Economy Stay Co. (Leather), Jefferson City, Mo.
Gilbert Mfg. Co., New Haven, Conn.
Hager Chas. & Son, 1876 Broadway, New York
Perkins-Campbell Co., 622 Broadway, Cincinnati, O.
Smith James & Son, 40 Franklin av, Brooklyn, N. Y.
Sutherland F. L. Co., 139 Beaubien, Detroit, Mich.

## 394— Bags (Hardware)

Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Continental Paper Bag Co., 18 E 40th, New York
Fulton Bag & Cotton Mills (Paper), Atlanta, Ga.
Lawson Jacob Bag Co., 264 Water, New York

## 395— Bags (Hat)

Continental Paper Bag Co., 18 E 40th, New York
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
New York Belting & Packing Co., 91 Chambers, New York
**UNION PAPER AND TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
U. S. Rubber Co., 1790 B'way, New York

## 396— Bags (Horse Feed)

Cleveland-Akron Bag Co., Cleveland, O.
Excelsior Bag & Mfg. Co., Troy, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hettrick Mfg. Co., Toledo, Ohio
Langstroth T. W., 77 Warren, New York

## 396a— Bags (Inner Tube)

Allen Auto Specialty Co., 16 W 61st, N. Y.
Atlas Specialty Mfg. Co., 219 N Michigan, Chicago, Ill.
B. E. Mfg. Co., 44 B'way, New York
Dafoe-Eustice Co., 34 E Jefferson av, Detroit, Mich.
Empire Rubber & Tire Corp., Trenton, N. J.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Gilbert Mfg. Co., New Haven, Conn.
Hopewell Bros., Watertown, Mass.
Nathan Novelty Mfg. Co., 84 Reade, N. Y.
Ohio Top Co., 909 B'way, Cincinnati, O.

## 397— Bags (Laundry)

A. & E. Leather Goods Co., 362 5th av, New York
Boyle John & Co., 112 Duane, New York
Continental Paper Bag Co., 18 E 40th, New York
Daniels C. R., Inc., 115 South, New York
Excelsior Bag & Mfg. Co., Troy, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Galewski A. & Son, 453 Broome, New York
Headley & Farmer Co, Newark, N. J.
Lanz, Owen & Co., 392 Florida, Milwaukee, Wis.
Queen Mfg. Co., 313 S Clinton, Chicago, Ill.
Stanley Wm. W. (Canvas), 50 Church, New York
Warren Leather Goods Co., Worcester, Mass.

## 398— Bags (Leather)

Aronoff Joseph J., Trenton, N. J.
Boyle Jno. & Co. (For Railroad Service, etc), 112 Duane, New York

## 398a— Bags (Lime)

Adams Bag Co., 1900 Euclid av, Cleveland, O.
Fulton Bag & Cotton Mills, Atlanta, Ga.

## 399— Bags (Mail)

**American Commercial Corp. (Government Standard Office, etc), 120 Broadway, New York**
**Aronoff Joseph J. (Office & Letter Carrier), Trenton, N. J.**
**Boyle Jno. & Co., 112 Duane, New York**
Excelsior Bag & Mfg. Co., Troy, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hooper Wm. E. & Sons Co. (Government Standard), 3502 Parkdale av, Baltimore, Md.
**Humphry's R. A. Sons (Also Money), 1021 Callowhill, Phila., Pa.**
**Union Bag & Paper Corp., 233 B'way, New York**
Warren Leather Goods Co., Worcester, Mass.

## 400— Bags (Mailing)

Bemis Bro. Bag Co. ("Economy"), 601 S 4th, St. Louis, Mo.
**Cleveland-Akron Bag Co., Cleveland, O.**
Colonial Office Appliance Co., 98 Park pl, New York
Columbus Mailing Bag Co. ("Superior"), 1178 Mt. Pleasant av, Columbus, O.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Golden Belt Mfg. Co., Durham, N. C.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Riegel Sack Co., 8 W 40th, New York

## 400a—*Bags (Messenger & Delivery)

**COUCH BROS. MFG. CO., Atlanta, Ga.**

## 401— Bags (Moth Proof)

Manahan Moth Paper Co. ("Manahan's" Satchel Formed), 370 Pearl, New York
Seinsheimer Paper Co. (Containers), York & McLean, Cincinnati, O.

## 402— Bags (Nail)

Continental Paper Bag Co., 18 E 40th, New York
**Fulton Bag Co. (Paper, for the Hardware Trade, etc), Fulton, N. Y.**
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.

## 402a—*Bags (Newspaper Carrier)

**COUCH BROS. MFG. CO., Atlanta, Ga.**

## 403—Bags or Covers (Tennis Racquet)

B. E Mfg. Co. ("Bellaco"), 18 W 18th, New York
Spalding A. G. & Bros., 126 Nassau, New York
Wilson Thos. E. & Co., 727 N Sagamon, Chicago, Ill.

## 404— Bags (Ore)

**Ames Harris Neville Co., San Francisco, Cal.**
Braun-Knecht-Heimann Co., 584 Mission, San Francisco, Cal.
Filter Fabrics Co., Salt Lake City, Utah
Fulton Bag & Cotton Mills, Atlanta, Ga.
**Mellus Bros. & Co., Los Angeles, Cal.**

## 405— Bags (Paper)

Adams Bag Co. ("Adams"), 1900 Euclid av, Cleveland, Ohio
**Advance Bag Co., Middletown, O.**
**American Paper Goods Co., Kensington, Conn.**
American Mills Co., Atlanta, Ga.
**Arkell Safety Bag Co., 120 B'way, N. Y.**
Arkell & Smith, Canajoharie, N. Y.
Atlanta Paper Co., Atlanta, Ga.
Badger Bag & Paper Co., Wausau, Wis.
Bemis Bro. Bag Co. (Flour, Meal & Cements), 601 S 4th, St. Louis, Mo.
Brown Bag Filling Machine Co. (Flat), Fitchburg, Mass.
Chatfield & Woods Co. (Sacks), 3rd & Plum, Cincinnati, O.
Chicago-Detroit Bag Co., Marquette bldg, Chicago, Ill.
Cleveland-Akron Bag Co., Cleveland, O.
Clochessy John, 21 W 4th, New York
Columbia Paper Bag Co., 921 E Fort av, Baltimore, Md.
Columbia Paper Bag Co., 3d, Long Island City, N. Y.
Continental Paper Bag Co. (All Kinds), 18 E 40th, New York
Cramer-Force Co., Rochester, N. Y.
Crown Williamette Paper Co., San Francisco, Calif.
Crunden-Martin Mfg. Co. (Grocery, Sugar, Candy, Shot, Nail & Flour), 2d & Gratiot, St. Louis, Mo.
Cupples Saml. Woodenware Co., 7th & Spruce, St. Louis, Mo.
Diem & Wing Paper Co. (Flour Bags, Sacks, etc.), Gilbert av, Cincinnati, O.
Eagle Paper Co. (Box Bottom Self-Opening), Richmond, Va.
E—Z Opener Bag Co., Decatur, Ill.
E—Z Opener Bag Co., Fulton, N. Y.
Fulton Bag Co. (Mail, etc), Fulton, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
George S. Co., Wellsburg, W. Va.
Grand Lake Co., 280 Madison av, New York
Harris Bag Co., Caxton bldg, Cleveland, O.
**Haverstick Albert & Son, 11 S. Lititia, Philadelphia, Pa.**
Hercules Paper Bag Co. (Grocers), Reading, Pa.
Herrlinger & Co., (Buggy Shipping), 206 Walnut, Cincinnati, O.
Hollis & Duncan, 732 W Lake, Chicago, Ill.
Howland Bag & Paper Co., Dexter, N. Y.
Hults Elsworth H. Inc., 218 Walnut, Phila., Pa.
Jaite Co., Jaite, O.
Kennedy Car Line & Bag Co. (Packing), Shelbyville, Ind.
Kirchheimer Bros. Co., 433 W Ohio, Chicago, Ill.
Louisiana Paper Co. (Ltd.), Shreveport, La.
Memphis Bag Co., Memphis, Tenn.
Miller Thompkins & Co., 485 Washington, New York
Milwaukee Bag Co. (For Cement, Lime, etc), 206 S Water, Milwaukee, Wis.
National Paper Co., Atlanta, Ga.
Pacific Paper Co., Portland, Ore.
Philadelphia Bag Co. (Flour & Meal), 84 Tasker, Phila., Pa.
Phillips Thos. Co. (Heavy for Flour, Feed, Cement, Lime & Plaster), Akron, O.
Port Huron Sulphite & Paper Co. (Manila), Port Huron, Mich.
Rutherford Paper Co., Tarentum, Pa.
Schorsch & Co., 500 E 133d, New York
Seinsheimer Paper Co., York & McLean, Cincinnati, O.
**Shuttleworth, Keiller & Co., 474 W B'way, New York**
Taggart Bros. Co. (Rope Paper for Cement, Flour, etc), Watertown, N. Y.
**Tartentum Paper Mills (For Cement, Lime, etc), 2d Natl Bk bldg, Pittsburgh, Pa.**
**Taylor Paper Co., 310 Davis, San Francisco, Cal.**
Union Bag & Paper Corp. ("Union"), 233 B'way, New York
Union Paper Mill Co. (All Rope Buckskin Cement), Monongahela, Pa.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
U. S. Paper Goods Co. (Bat, Hat, Tobacco, etc), 1224 W 8th, Cincinnati, O.
Universal Paper Bag Co., New Hope, Pa.
Valve Bag Co. of America (For Cement, Lime, etc), 3431 Summit av, Toledo, O.
*See adv index at end of book*
Wayne Paper Goods Co. (Hand Carrying), Ft. Wayne, Ind.
West Jersey Paper Mfg. Co. (For Cement, Plaster, Lime, etc), Camden, N. J.
Western Paper Goods Co. (Tobacco), 3d & Lock, Cincinnati, O.
Wortendyke Mfg. Co., Richmond, Va.

## 406— Bags (Parcels Post)

Fulton Bag & Cotton Mills, Atlanta, Ga.
**Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.**

## 407— Bags (Plaster)

Fulton Bag & Cotton Mills, Atlanta, Ga.
Riegel Sack Co., 8 W 40th, New York
Taggart Bros. Co., Watertown, New York

## 408— Bags (Potato)

Continental Paper Bag Co. (Paper), 18 E 40th, New York
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Klein Max, 38 Park Row, New York
*See adv index at end of book*
**Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.**
Taggart Bros. Co., Watertown, New York

## 409— Bags (Rice)

Continental Paper Bag Co. (Paper), 18 E 40th, New York
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
**Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.**
Riegel Sack Co., 8 W 40th, New York
**Taggart Bros. Co., Watertown, New York**

## 410— Bags (Rubber)

**Tyer Rubber Co. (Ice, Acetylene Gas, Syringe, etc), Andover, Mass.**
**Vant Woud Rubber Co. (Hot Water), 168 39th, Brooklyn, N. Y.**

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The Valve Bag Company of America, Toledo, Ohio

## 411— Bags (Safety)

**Arkell Safety Bag Co., 120 B'way, New York**
Fulton Bag & Cotton Mills (Shipping), Atlanta, Ga.

## 412— Bags (Salt)

American Bag Co., 3rd & Harrison, Oakland, Cal.
Fulton Bag & Cotton Mills, Atlanta, Ga.
**Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.**
Riegel Sack Co., 8 W 40th, New York

## 413— Bags (Sand Levee)

**Bemis Bro. Bag Co., 601 S 4th, St. Louis,** Mo.
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Riegel Sack Co., 8 W 40th, New York

## 414— Bags (Sanitary)

**Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.**
Taggart Bros. Co., Watertown, New York

## 415— Bags (School)

See also Traveling Bags
Fulton Bag & Cotton Mills, Atlanta, Ga.
**Katz Bros. Leather Goods Co., 135 W 20th, New York**
Kennebunk Mfg. Co. (Fibre), Milton, N. H.
Lanz, Owen & Co., Milwaukee, Wis.
Ryan-Cushing Co., 126 Summer, Boston, Mass.
**Warren Leather Goods Co., Worcester, Mass.**

## 416— Bags (Second Hand)

Able Bag & Burlap Co., 1214 Blue Island av, Chicago, Ill.
**Atlantic Bag Co. ("A. B. C."), 243 Water,** New York
Bell Bag Co., **63 Front, New York**
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Brimberg H., 546 Pearl, New York
**Brody S., South & Clinton, New York**
Burnett Bag & Burlap Co., Bklyn, Baltimore, Md.
Dorfman I. & Sons, 269 South, New York
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
**Fulton Bag & Cotton Mills, Atlanta, Ga.**
Hofeller Theo & Co. (Burlap), Marine bk. bldg, Buffalo, N. Y.
Hudson Bag Mfg. Co., Bayonne, N. J.
Iroquois Bag Co. (Bags & Burlap), Buffalo, N. Y.
Kent Percy Co., 33 Pearl, New York
Klein Max, 38 Park Row, New York
*See adv index at end of book*
**Knickerbocker Bag Co., 7 Front, New York**
Knott's David N. Sons (Cotton & Burlap), 104 Callowhill, Phila., Pa.
**Lawson Jacob Bag Co., 264 Water, New York**
Leonardis Peter & Sons, 57 River, Newark, N. J.
Lichtman S. & Son (Bags & Burlap), 9 Randall, Buffalo, N. Y.
Machover S., 113 Mercer, New York
Millard Geo P. Co. (Burlap), 26 Elwood bldg, Rochester, N. Y.
Morrison & Risman, 1437 Bailey av. Buffalo, N. Y.
**Nanes Nathan, 434 E Houston, New York**
**New York & Boston Bag Co., 56 Commercial Wharf, Boston, Mass.**
Oppenheimer & Co., Buffalo, N. Y.
Riegel Sack Co., 8 W 40th, New York
Weitzel M. B., Lititz, Pa.
Western Bag & Burlap Co., 2449 Wallace, Chicago, Ill.
Wisconsin Bag & Burlap Co., Neenah, Wis.
Young & Metzner, 355 Vernon av, Long Island City, N. Y.

## 417—Bags (Shopping & School)

Thompson James & Co., 113 Prince, New York

## 417a— Bags (Sleeping)

Huyck F. C. & Sons ("Kenwood"), Albany, N. Y.
Stonebridge C. H. Mfg. Co., 23 Warren, New York

## 418— Bags (Striking)

Chicago Sporting Goods Mfg. Co. ("Ratsch-Peerless Leather), 211 N Carpenter, Chicago, Ill.
Faultless Rubber Co. (Rubber), Ashland, Ohio
Goldsmith's P. Sons, John, Findlay & Charlotte, Cincinnati, O.
Goodrich B. F. Co. (Rubber), Akron, O.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
Rawlings Mfg. Co., 23 & Lucas av, St. Louis, Mo.
Stall & Dean Mfg. Co., Brockton, Mass.
Tyer Rubber Co. (Rubber), Andover, Mass.

## 419— Bags (Sugar)

**Bemis Bro. Bag Co., 601 S 4th, St. Louis,** Mo.
Cleveland-Akron Bag Co., Cleveland, O.
Continental Paper Bag Co. (Paper), 18 E 40th, New York
Feitel Dan W. Bag Co., Inc., S Claiborne & Erato, New Orleans, La.
Fulton Bag & Cotton Mills (Paper), Atlanta, Ga.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.

## 420—21 Bags (Tamping)

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*
**HERCULES POWDER CO., Wilmington,** Del. *See adv index at end of book*

## 422— Bags (Tire, Inner Tube)

Cleveland-Akron Bag Co., Cleveland, O.
Gilliam Co., Canton, O.
Sala Co. ("Sala-ble"), Canton, Ohio

## 423— Bags (Tool)

Aronoff Joseph J. (Electricians & Masons), Trenton, N. J.
Buhrke R. H. Co., 1250 Fullerton av, Chicago, Ill.
Boyle John & Co., 112 Duane, New York
Cleveland-Akron Bag Co., Cleveland, O.
Dicke Tool Co., Downers Grove, Ill.
**Excelsior Bag & Mfg. Co. (Plumbers', Masons', Mechanics', etc), Troy, N. Y.**
Fulton Bag & Cotton Mills, Atlanta, Ga.
Galewski Adolph & Son (Plumbers'), 453 Broome, New York
Humphry's R. A. Sons, 1021 Callowhill, Phila., Pa.
Johnson Wm. (Plumbers' & Masons'), Newark, N. J.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.
**Reading Saddle & Mfg. Co. (Bicycle, Motorcycle, etc), Reading, Pa.**
Starbuck R. M. & Sons (Plumbers), Hartford, Conn.
Troxel Mfg. Co., Elyria, Ohio
Wolverine Leather Goods Co., Jefferson & Case avs, Detroit, Mich.

## 424— Bags (Tool, Linemen's)

Aschenbach Henry Saddlery Co., 71 Warren, New York
Boyle John & Co., 112 Duane, New York
Buhrke R. H. Co., 1250 Fullerton av, Chicago, Ill.
Dicke Tool Co., Downers Grove, Ill.
Excelsior Bag & Mfg. Co., Troy, N. Y.
**Galeswki Adolph & Son, 453 Broome, New York**
Humphry's R. A. Sons, 1021 Callowhill, Phila., Pa.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.

## Bags (Traveling)

See Traveling Bags & Suit Cases

## 425— Bags (Valve)

**Adams Bag Co., 1900 Euclid av, Cleveland, Ohio**
Cleveland-Akron Bag Co., Cleveland, O.
Fuller-Lehigh Co., Fullerton, Pa
*See adv index at end of book*
Fulton Bag & Cotton Mills, Atlanta, Ga.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Phillips Thos. Co. (For Cement, Lime & Plaster, Merchandise, etc), Akron, O.
Taggart Bros. Co., Watertown, N. Y.
Valve Bag Co. of America ("Twenty-first Century" Valve Bags and Openmouth), 3431 Summit av, Toledo, O.
*See adv index at end of book*

## 425a— *Bags (Valve Lime)

Valve Bag Co. of America, 3431 Summit av, Toledo, O.
*See adv index at end of book*

## 426-7— Bags & Bagging

See also Burlap Importers
(Those Marked with a (†) Dagger Make Bagging also)
**Adams Bag Co. (Paper Only), 1900 Euclid** av, Cleveland
American Bag Co., 3rd & Harrison, Oakland, Cal.
American Bag Co. (Cotton & Burlap Bags), Memphis, Tenn.


A Guide to Bag Buyers—

For

BETTER BUILT BAGS

*Manufacturers and Importers of*
BURLAP AND COTTON BAGS

See
WERTHAN BAG CO.
ST. LOUIS, MO.

*Factories*
ST. LOUIS
HOUSTON
NASHVILLE

*Warehouses*
MINNEAPOLIS
GRAND RAPIDS
DENVER
NEW YORK
DALLAS

BAGS & BAGGING—continued

**American Bag & Burlap Co. (Burlap),** Boston, Mass.
**†American Mfg. Co. (Jute Bagging), Noble,** & West, Brooklyn, N. Y.
**American Mills Co. (Burlap & Cotton),** Atlanta, Ga.
**Ames-Harris-Neville Co.,** Potrero & Alameda, San Francisco, Cal.
**Anchor Duck Mills (Cotton Bags), Rome,** Ga.
**†Androscoggin Mills (Grain, etc),** Lewiston, Me.
**Arkell Safety Bag Co.,** 120 B'way, New York
**Aronoff Jos. J. (Messenger & Delivery),** Trenton, N. J.
**Atlantic Jute Mills ("Congo") Norfolk,** Va.
**Bartley Mfg. Co. (Burlap), 261 South,** New York
**Bell Bag Co. (Grain Bags), 63 Front,** New York
**Bemis Bro. Bag Co. (Jute, Paper, Cotton, Burlap, "Wiretop" Muslin, etc.), 601 S 4th, St. Louis, Mo.**
**Bemis Indianapolis Bag Co.,** Barth av & Belt, Indianapolis, Ind.
**Bosworth Bag. Co. (Burlap & Cotton),** Memphis, Tenn.
**Bowen-Jewell Co. (Cotton Bagging),** Jewell, Ga.
**Brewer Bag Co.,** 78 Pearl, New York
Brimberg H., 546 Pearl, New York
**Brody S. (Jute & Burlap), South & Clinton,** New York
**California Cotton Mills Co. (Cotton Bags),** Oakland, Cal.
**Carolina Bagging Co. (Jute), Henderson,** N. C.
**Carolina Mills (Cotton Bagging), Greenville,** S. C.
Casper J. Burlap Bag Mfg. Co., Fitzgerald, Pa.
**Central Bag Mfg. Co. (Burlap & Cotton),** 3622 Iron, Chicago, Ill.
**Chase H. & L. (Burlaps & Cotton), 267** Atlantic av, Boston, Mass.
**Chase H. & L. Bag Co. (Bags), 8 N Main,** St. Louis, Mo.
**Chelsea Fibre Mills (Seamless Bags), 212 5th av, New York**
**Cherokee Falls Mfg. Co. (Seamless Grain),** Cherokee Falls, S. C.
**Chicago-Detroit Bag Co. (Jute, Cotton,** etc), Marquette bldg, Chicago, Ill.
**Chicago Leather & Mercantile Co. (Burlap),** 1848 W 14th, Chicago, Ill.
**Cincinnati Bag Co. (Cotton Seamless & Burlap for own use only), 601 E 5th,** Cincinnati, O.
**Cleveland-Akron Bag Co., Cleveland, O.**
**Collins-Plass-Thayer Co. (Jute & Cotton),** 26 Beaver, New York
**†Columbia Cotton Mill Co. (Cotton Seamless Grain Bags),** Columbia, Tenn.
**†Dana Warp Mills (Grain Bags), Westbrook,** Me.
**Eagle Cotton Mills Co. (Cotton), Madison,** Ind.
**Eastern Burlap Bag Co. (Burlap), 95 Commerce,** Hartford, Conn.
**Empire State Bag Co. (Flax & Jute Bags & Bagging), 760 Wythe av,** Brooklyn, N. Y.
**Emsley John W., Adams & Emerald,** Phila., Pa.
**Feitel Dan W. Bag Co. (new & second** hand, Burlap), S Claiborne & Erato, New Orleans, La.
**Franklinville Mfg. Co. (Seamless Bags),** Franklinville, N. C.
**†Fulton Bag & Cotton Mills (Cotton, Jute),** Atlanta, Ga.
**Gaylord Bros. (Cloth Coin), Syracuse,** N. Y.
**Golden Belt Mfg. Co. (Tobacco Bags,, etc),** Durham. N. C.
Grafflin John C. Co. (Cotton Bags), 10 South, Baltimore, Md.
**†Grimond J. & A. D., Ltd. (H. N. Gildea,** Agt., Jute Burlap Bagging), 320 B'way, New York
**†Gulf Bag Co. (Burlap & Cotton), 330 Notre Dame, New Orleans, La.**
**Halsted E. S. & Co.,** 64 Pearl, New York
**Hartman Pacific Co., Inc. (Imp.),** 80 Wall, New York
**Hoffman-Corr Mfg. Co., 312 Market,** Phila., Pa.
**Hyand Bag Co., 243 Sacramento,** San Francisco, Cal.
**Imperial Bagging Co.,** Norfolk, Va.
**Jackson Fibre Co. (Brown Cotton Bags),** Semis, Tenn.
**Kent Percy Co. (Cotton & Burlap Bags),** 33 Pearl, New York
**King Mfg. Co. (Cotton, Burlap, etc.),** Front & Main, Cincinnati, O.
**Klein Max,** 38 Park Row, New York
*See adv index at end of book*


**MAX KLEIN**
**38 Park Row, New York**
Bags, Burlap and Burlap Strips for all purposes
*Write for quotation*


**Kurtz Bag Co., 414 B'way, New York**
**Lane J. H. & Co. (Jobbers) 334 4th av,** New York
**Lawson Jacob Bag Co. (Burlap), 264** Water, New York
**Leavenworth Bag Mfg. Co. (Burlap & Cot-**ton), Leavenworth, Kans.
**Liberman M. (Hop & Rice), 11 Lewis,** New York
**Little Rock Tent & Awning Co. (Cotton** Picking), Little Rock, Ark.
**Logie Jas. & Co., 42 B'way,** New York
**Ludlow Mfg. Associates (Jute Bagging for** Baling Cotton, 111 Devonshire, Boston, Mass.
**Machover S. (Cotton & Burlap), 113 Mer-**cer, New York
**Merchants & Mfg. Supply Co., Chelsea,** Mass.
**Milwaukee Bag Co. (Cotton & Jute, Sugar,** Cement, Sand Levee, Salt, Rice, Potato, Parcel Post, Hardware, Coffee Urn, Castings & Bean Bags, Flour Sacks & Burlaps), 206 S Water, Milwaukee, Wis.
**Millhiser Bag Co. (Seed Bags, Tobacco** Bags & Pouches), Richmond, Va.
**Moran John & Son (Bags & Barrel Cov-**ers), 213 Franklin, New York
**Morgan & Hamilton Co. (Cotton, Flour &** Meal Sacks & Burlap Bags), Nashville, Tenn.
**Morris & Co. (Cotton), Groveville, N. J.**
**Morrison & Risman, 1437 Bailey av, Buf-**falo, N. Y.
**Morrison & Risman (Jute & Burlap) 1437** Bailey av, Buffalo, N. Y.
**Neanr M. J. & Co., 1600 S Dearborn, Chi-**cago, Ill.
**New York-Boston Bag Co. (Potato, Flour,** Grain & Coffee Sacks, etc), 56 Commercial wharf, Boston, Mass.
**Noon Bag Co. (Grain, etc), 32 N 1st,** Portland, Ore.
**Northern Bag Co., 101 3rd av S, Minne-**apolis, Minn.
**O'Meara Maurice Co., 450 Pearl, New York**
**†Parsons C. H. Co. (Cotton & Burlap), 78** Water, N. Y.
**Philadelphia Bag Co. (Burlap & Cotton),** 84 Tasker, Phila., Pa.
**Plummer W. A. Mfg. Co. (Burlap & Cot-**ton), 37 Front, San Francisco, Cal.
**Queen Mfg. Co. (Laundry Bags), 313 S** Clinton, Chicago, Ill
**Raggi P. & Co., 52 Washington, San Fran-**cisco, Cal.
**Ralli Bros. (Imp), 11 William, New York**
**Riegel Sack Co., 8 W 40th, New York**
**†Riverside Mills (Jute Bagging for Cot-**ton), Augusta, Ga.
**Rock Run Carbon Co., Warren, Ohio**
**Ross Wm. & Co., 407 N Peoria, Chicago,** Ill.
**Royal Mills (Seamless & Burlap Bags** Only), Charleston, S. C.
**Royal River Mfg. & Power Co. (Cotton** Grain Bags), Yarmouth, Me.
**Salomon A., Inc., 15 Park Row, New York**
**Scott Jas. & Son (Importers Burlap &** Jute Bagging), 346 B'way, New York
**Southern States Bag Co., Jackonville,** Fla.
**†Stark Mills (Grain Bags; also Bagging,** etc), Manchester, N. H.
**Stokes E. K. (Burlap), 78 Pearl, New York**
**Taggart Bros. Co., Watertown, N. Y.**
**Texas Bag & Fibre Co., Houston, Texas**
**†Tombigbee Cotton Mills (Brown Cotton** Bagging), Columbus, Miss.
**Valve Bag Co. of America (For Lime,** Cement, Plaster, Feed, etc.), 3431 Summit av, Toledo, O.
*See adv index at end of book*
**Walker J. S. & Co. (Burlap), Louisville,** Ky.
**West & Co., Albany, Ga.**
**Werthan Bag Co. (Burlap & Cotton),** Nashville, Tenn.
**Wertman Bag Co., 70 Dock, St. Louis,** Mo., Houston, Tex., & Nashville, Tenn.
*See adv index at end of book*
**Wisconsin Bag & Burlap Co. (Burlap),** Neenah, Wis.
**Wynantskill Mfg. Co. (Beef & Sheep),** Troy, N. Y.
**Young & Metzner, 335 Vernon av, Long** Island City, N. Y.

## 428— *Bails (Hoisting)

**Rochester Can Co. ("Iron Horse" Wire),** Rochester, N. Y.
*See adv index at end of book*

## 429— Bailwoods (Pail)

**Bogert & Hopper, Inc., 57 Barclay, New** York *See adv index at end of book*
**ESTES E. B. & SONS, 364 5th av, New** York. *See adv index at end of book*
**Stiles H. A. & Co., 93-97 Oliver, Boston,** Mass. *See adv index at end of book*

## 430— Bait (Fishing)

**Anglers' Co. (Frogs, Minnows, Shiners,** etc), 913 W Randolph, Chicago, Ill.
**Foss Al., 1722 Columbus rd, Cleveland, O.**
**Hastings Sporting Goods Wks, Hastings,** Mich.
**Moonlight Bait Co. ("Moonlight"), Paw Paw, Mich.**
**Orvis Chas. F. Co. (Artificial Flies, etc.),** Manchester, Vt.
**U. S. Specialty Co. (Rush Tango, Minnow),** S. A. & K bldg, Syracuse, N. Y.
**Vacuum Bait Co. ("Howes," "Vacuum,"** Bass Bait, etc), North Manchester, Ind.
**Winchester Repeating Arms Co. ("Win-**chester"), New Haven, Conn.
**Wise Sportsman's Supply Co. ("Jim** Dandy"), Northern bldg, Chicago, Ill.

## 431— Bakelite

**General Bakelite Co., 2 Rector, New York** York
**Waterbury Button Corporation (Moulders),** 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 432— Bakers (Potato)

**Timberlake J. B. & Sons ("Jaxon"), Jack-**son, Mich.

## 433-4— Bakers (Wire Mill)

**Vaughn Machinery Co. (Cleaning & Coat-**ing), Cuyahoga Falls, Ohio
*See adv index at end of book*

## 435—Balances (Assay & Analytical)

**Ainsworth Wm. & Sons, Denver, Colo.**
**Atlas Laboratory Equipment Bureau, 731** W Wells, Chicago, Ill.
*See adv index at end of book*
**Bausch & Lomb Optical Co., Rochester,** N. Y.
**Becker Christian, 92 Reade, New York**
**Braun-Knecht-Heimann Co., 576-584 Mis-**sion, San Francisco, Cal.
**Daube & Hopken, 39 Carlton av, Jersey** City, N. J.
**Denver Fire Clay Co., Denver, Colo.**
**Eimer & Amend, 205 3d av, New York**
**Fairbanks Co., 416 Broome, New York.**
**Heil Henry Chemical Co., St. Louis, Mo.**
**Keller G. P. ("Keller"), Salt Lake City,** Utah
**Kohlbusch Herman, 149 N. Y. av, Jersey** City, N. J.
**Lenz Apparatus Co., 9 E 16th, New York**
**Sargent E. H. & Co., 155 E Superior, Chi-**cago, Ill.
**Schaar & Co. ("Hexagon"), 558 W Jack-**son bldv, Chicago, Ill.
**Thompson Balance Co., Denver, Colo.**
**Torsion Balance Co. ("Torsion"), 11** Reade, New York
**Troemner Henry, 911 Arch, Phila., Pa.**
**Voland & Sons, New Rochelle, N. Y.**

## 435a— Balances (Pulp)

**Ainsworth Wm. & Sons, Denver, Colo.**
**Central Scientific Co., 460 E Ohio, Chicago,** Ill.
**Voland & Sons, New Rochelle, N. Y.**

## 436— Balances (Spring)

**American Cutlery Co., 764 Mather, Chicago, Ill.**
Chatillon Jno. & Sons, 85 Cliff, New York
Fairbanks Co., 416 Broome, New York.
Forschner R. H., 230 3rd av, New York
**Hanson Bros., 525 N Ada, Chicago, Ill.**
Landers, Frary & Clark, New Britain, Conn.
Micrometer Balance Scale Co., Troy, Y.
**Pelouze Mfg. Co., 232 E O, Chicago, Ill.**
Standard Scale & Supply Co., Ltd. 1631 Liberty av., Pitts. Pa.
*See adv index at end of book*
Wilson Robert P., 320 Market, Newark, N. J.

## 437— Balata

American Trading Co., 25 Broad, New York
Gough Wallace L. Co., 16 Exchange pl, New York
Raw Products Co. (Imp), 80 Wall, New York

## 438-9— Balers (Sack)

**Handy Sack Baler Co., Cedar Rapids, Ia.**
White T. G. ("Handy Sack Baler"), Cedar Rapids, Ia.

## 440— Ball Blue

**Heller & Merz Co., 503 Hudson, New York**

## 441—Ballast Loaders & Unloaders

Bucyrus Co., So. Milwaukee, Wis.
Byers Jno F. Machine Co., 242 S. Sycamore, Ravenna, O.
*See adv index at end of book*
**Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.**
**LIDGERWOOD MFG. CO.** (Unloaders Only), **96 Liberty, New York**
*See adv index at end of book*
McMyler-Interstate Co., Bedford, O.
**Marion Steam Shovel Co., P. O. Box 505,** Marion, O.

## Ballast (Railroad)

**See Stone, Crushed**

## 441a— Balloons and Dirigibles

Connecticut Aircraft Co., New Haven, Conn.
Goodyear Tire & Rubber Co., Akron, O.
Janney-Steinmetz Co., 1241 Chestnut, Phila., Pa.

## 442— Balloons (Rubber)

Behrend & Rothschild, 353 B'way, New York
Dunbar Mfg. Co., South River, N. J.
**Eagle Rubber Co., Ashland, O.**
**Faultless Rubber Co., Ashland, O.**
**Goodyear Tire & Rubber Co., Akron, O.**
**Gregory Rubber Co. (Toy), Akron, O.**
**Howe-Baumann Balloon Co., 187 Murray, Newark, N. J.**
Lincoln Rubber Co., Akron, O.
Oak Rubber Co. (Toy), Ravenna, O.
Pioneer Rubber Specialty Co., Akron, O.
Rayon Rubber Co., Ravenna, Ohio
**Realty Rubber Co., Massillon, O.**
**Sun Novelty Co. (Rubber Goods), Bloomfield, N. J.**
**Western Reserve Rubber Co. (Toy), South Akron, O.**

## 443— *Balls (Agricultural)

**EXCELSIOR STEEL BALL CO. (Steel Only), P. O. Box 52, Buffalo, N. Y.**
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 444— Balls (Aluminum)

**Aluminum Goods Mfg. Co., Manitowoc, Wis.**
Auburn Ball Bearing Co., Rochester, N. Y.
**EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.**
*See adv index at end of book*
Grammes L. F. & Sons, 344 Union, Allentown, Pa. *See adv index at end of book*
**Hoover Steel Ball Co., Ann Arbor, Mich.**
**Jones Ball Co., Arlington Heights, Mass**
Metal Specialty Mfg. Co., Inc. (To specifications), 300 Aurora, Waterbury, Conn.
*See adv index at end of book*

## 445— Balls (Ball Mill)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Forged Steel), Milwaukee, Wis.
**Worthington Pump & Machinery Corp., 115 B'way, New York**
*See adv index at end of book*

## 445a— *Balls (Balloting)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## Balls (Basket)

**See firms in Balls, Foot, with the word Leather following their names**

## Balls (Bearing)

**See Balls, Steel**

## 446— Balls (Billiard & Pool)

Albany Billiard Ball Co. ("Burt," "Hyatt") Albany, N. Y.
**Brunswick-Balke-Collender Co., 29 W 32d, New York**
Grote F. & Hubbell Co., 82 4th av, New York
**Kaldenberg Trading Co. (Ivory), 433 Broome, New York**
**Kapp A. Jos. Sons Ivory Co., 124 E 14th, New York**
Spinks Wm. A. & Co., 362 W Erie, Chicago, Ill. *See adv index at end of book*

## 447— Balls (Bowling)

American Hard Rubber Co. ("A. H. R." Hard Rubber), 9 Mercer, New York
**ESTES E. B. & SONS** (Wood), 364 5th av, New York *See adv index at end of book*
**Klumpp's Jno. G. Sons, 13 Baxter, New York**
Kohaut John C., 117 Green, Newark, N. J.
Reinschmidt C. & H., Rochester, N. Y.
**Sommer John Faucet Co., 30 Morris, Newark, N. J.**

## 448-9— Balls (Brass)

American Ball Co. ("American"), 115 Clifford, Providence, R. I.
**Atlas Ball Co. (For Valves, also Bronze), 4th & Glenwood av, Philadelphia, Pa.**
**Auburn Ball Bearing Co. ("Auburn," Also Bronze, Solid & Hollow), 26 Elizabeth, Rochester, N. Y.**
Darling Valve & Mfg. Co., Ltd., Williamsport, Pa.
**Draper Mfg. Co. (Solid or Hollow, for Valves, etc), Port Huron, Mich.**
**EXCELSIOR STEEL BALL CO.** (Also Bronze, Solid & Hollow), **P. O. Box 52, Buffalo, N. Y.**
*See adv index at end of book*
Grammes L. F. & Sons (& Bronze), Allentown, Pa. *See adv index at end of book*
**GWILLIAM CO., THE,** 23 Flatbush av, Brooklyn *See adv index at end of book*
**Hoover Steel Ball Co., Ann Arbor, Mich.**
**Hough Chas. N. Mfg. Co. (Also Bronze), Franklin, Pa.**
**Jones Ball Co. (Also Bronze), Arlington Heights, Mass.**
**LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.** *See adv index at end of book*
Metal Ball Co., Inc., 856 Broad, Bridgeport, Conn.
Metal Specialty Mfg. Co., Inc. (To Specifications), 300 Aurora, Waterbury, Conn. *See adv index at end of book*
**Midland Brass Works, Fort Worth, Texas**
Motors Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
**Pressed Steel Mfg. Co., Land Title bldg., Philadelphia, Pa.**
Probst C. F. Mfg. Co. (To Order), 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*
Schatz Mfg. Co. (Also Bronze, Solid & Holland), Poughkeepsie, N. Y.

## Balls (Bronze)

**See Balls, Brass**

## 450— *Balls (Cabinet Lock)

**EXCELSIOR STEEL BALL CO.** (German Silver), **P. O. Box 52, Buffalo, N. Y.**
*See adv index at end of book*

## 451— Balls (Cast Iron)

Auburn Ball Bearing Co, Rochester, N. Y.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 452— *Balls (Caster)

**EXCELSIOR STEEL BALL CO., P O Box 52, Buffalo, N. Y.**
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 453— Balls (Cement Mill)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Forged), Milwaukee, Wis.
**Alloy Steel Forging Co., Carnegie, Pa.**
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Los Angeles Fdry Co. ("Duroloid"), Los Angeles, Cal.
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
**Wharton Wm. Jr. & Co., Inc., Easton, Pa.**

## 454— Balls (Copper)

**ABBOTT BALL CO.,** Elmwood Station, Hartford, Conn.
*See adv index at end of book*
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Metal Specialty Mfg. Co., Inc. (To Specifications), 300 Aurora, Waterbury, Conn. *See adv index at end of book*
Probst C. F. Mfg. Co. (To Order), 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*

## 455— Balls (Croquet)

American Hard Rubber Co. (Hard Rubber), 9 Mercer, New York
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
**Spalding A. G. & Bros., 126 Nassau, New York**

## 455a— *Balls (Darning)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*

## 456— Balls (Fall Line)

**Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.**
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*

## 457— *Balls (Flag Pole)

**EXCELSIOR STEEL BALL CO.** (Bronze, Brass & Steel), **P. O. Box 52, Buffalo,** N. Y. *See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

## 458-9— Balls (Foot)

**Chicago Sporting Goods Mfg. Co. ("Ratsch-Peerless" Leather), 211 N Carpenter, Chicago, Ill.**
**Draper Maynard Co. (Leather), Plymouth, N. H.**
**Goldsmiths' P. Sons (Leather), John Findlay & Charlotte, Cincinnati, O.**
**Goodrich B. F. Co. (Rubber), Akron, O.**
**Goodyear Rubber Co. & Rubber Clothing Co. (Rubber), 787 B'way, New York**
**Goodyear Tire & Rubber Co. (Rubber), Akron, O.**
**Hodgman Rubber Co. (Rubber), 8 W 40th, New York**
**Jarvis W. B. Co. ("Ty Cobb," Leather), Grand Rapids, Mich.**
Majestic Rubber Co., Akron, O.
National India Rubber Co., Bristol, R. I.
Rawlings Mfg. Co. ("Leather"), 23rd & Lucas av, St. Louis, Mo.
Reach A. J. Co. (Leather), Tulip & Palmer, Phila., Pa.
Revere Rubber Co. (Rubber), Chelsea, Mass.

BALLS (FOOT)—continued

Seamless Rubber Co., New Haven, Conn.
Sell Sporting Goods Co., Canton, O.
**Spalding A. G. & Bros. (Leather), 126 Nassau, New York**
**Tyer Rubber Co. (Rubber), Andover, Mass.**
Victor Sporting Goods Co. (Leather), Springfield, Mass.
Wilson Thos. E. & Co., 727 N Sagamon, Chicago, Ill.
Wright & Ditson (Leather), 344 Washington, Boston, Mass.

## Balls (Fuller)

**See Rubber Goods Mfrs., Mechanical**

## 460— Balls (Glass)

Bache Semon & Co. (Imp), 636 Greenwich, New York
Christensen M. F. & Son Co., Akron, O.
Illinois Glass Co. (Furniture, Caster, etc), Alton, Ill.
**RODEFER GLASS CO., THE,** Bellaire, O.
*See adv index at end of book*

## 461— Balls (Golf)

Davidson Rubber Co., Boston, Mass.
St. Mungo Mfg. Co. ("Arch Colonel," "Star Colonel," "Crescent Colonel"), 121 Sylvan av, Newark, N. J.
Slazenger Frank L., 12 E 43d, New York
Spalding A. G. & Bros., 126 Nassau, New York
Wilson Thos. E. & Co., 727 N Sagamon, Chicago, Ill.
Worthington Ball Co., Elyria, Ohio
**Wright & Ditson, 344 Washington, Boston, Mass.**

## 461a— Balls (Grille)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
***See adv index at end of book***
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## 462—Balls (Hand Ball Court)

Goodrich B. F. Co., Akron, O.
Pennsylvania Rubber Co., Jeannette, Pa.
Seamless Rubber Co., New Haven, Conn.
**Spalding A. G. & Bros., 125 Nassau, New York**

## 463— *Balls (Hinge)

**EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.**
*See adv index at end of book*

## 464— Balls (Hollow)

Draper Mfg. Co. (Brass, for Valves, etc), Port Huron, Mich.
**EXCELSIOR STEEL BALL CO.** (Brass Only), P. O. Box 52, Buffalo, N. Y
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hoover Steel Ball Co., Ann Arbor, Mich.
Johnston & Sharp Mfg. Co. (Crucible Steel, Self-Lubricating), Ottumwa, Ia.
Schatz Mfg. Co. (All Metals Except Aluminum), Poughkeepsie, N. Y.

## 464a— Balls (Kominuter)

Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 464b—*Balls (Lithographic)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
***See adv index at end of book***

## 464c— *Balls (Massage)

Estes E. B. & Sons (Wooden), 364 5th av, New York
***See adv index at end of book***

## 464d— Balls (Monel Metal)

Auburn Ball Bearing Co., Rochester, N. Y.
Metal Specialty Mfg. Co., Inc. (To Specifications), 300 Aurora, Waterbury, Conn. *See adv index at end of book*

## 465— Balls (Moth)

Briggs Chemical Wks., Amherst, Ohio
White Tar Co., John & Cliff, New York

## 466— Balls (Ox)

**Peck, Stow & Wilcox Co., Southington, Conn.**
Sanders, Frary & Clark, New Britain, Conn.
Sargent & Co., New Haven, Conn.
Woodruff W. W. & Sons Co., Mt. Carmel, Conn.

## 467—Balls (Phosphor Bronze)

**EXCELSIOR STEEL BALL CO., P. O. Box 52, Buffalo, N. Y.**
*See adv index at end of book*
Metal Ball Co., Inc., 856 Broad, Bridgeport, Conn
Metal Specialty Mfg. Co., Inc. (To Specifications), 300 Aurora, Waterbury, Conn. *See adv index at end of book*

## 468— Balls (Pipe & Flue)

**Alloy Steel Forging Co., Carnegie, Pa.**
Cyclops Foundry Co., Union Bank bldg, Pittsburgh, Pa.
Pittsburgh Iron & Steel Foundries Co. (For Lapwelding Pipe), Midland, Pa.
**UNION SPRING & MFG. CO.,** 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*

## Balls (Polishing)

**See Balls, Steel for Polishing, Etc.**

## 469— *Balls (Polo)

Estes E. B. & Sons, 364 5th av, New York
***See adv index at end of book***

## 470— Balls (Porcelain)

Union Porcelain Works, 300 Eckford, Brooklyn, N. Y.

## 471— *Balls (Roller Skate)

**EXCELSIOR STEEL BALL CO.** (Steel), P. O. Box 52, Buffalo, N. Y.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 472— Balls (Rubber)

Baumann Rubber Co., New Haven, Conn.
Bell Andrew (Estate of), 45 Commercial, Newark, N. J.
Davol Rubber Co. (Gas Mains, etc), 69 Point, Providence, R. I.
Essex Rubber Co., Trenton, N. J.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Home Rubber Co., Trenton, N. J.
Lambertville Rubber Co., Lambertville, N. J.
Majestic Rubber Co., Akron, O.
**NEW YORK RUBBER CO.,** 323 W Randolph, Chicago, Ill., & Reade & Church, New York
**Sun Novelty Co. (Toy, Parlor, etc.),** Bloomfield, N. J.

## 473-4— Balls (Steel)

Abbe Engng Co. 216-226 B'way, New York
*See adv index at end of book*
**ABBOTT BALL CO.** ("Abbott," Highgrade bearing, also all other grades), Elmwood Station, Hartford, Conn.
*See adv index at end of book*
Aetna Ball Bearing Mfg. Co., 213 Institute pl, Chicago, Ill.
*See adv index at end of book*
**Allis-Chalmers Mfg. Co. (Forged), Milwaukee, Wis.**
**American Ball Co., 115 Clifford, Providence, R. I.**
American Forge Works (Forged), Denver, Colo.
**Aschenbach Henry Saddlery Co., 71 Warren, New York**
**Atlas Ball Co. ("Atlas"), 4th & Glenwood av, Phila., Pa.**
Atlas Crucible Steel Co., Dunkirk, N. Y.
**Auburn Ball Bearing Co. (Solid), 26 Elizabeth, Rochester, N. Y.**
Baird Machine Co. (For Burnishing), Bridgeport, Conn.
**Bearings Co. of America (Imp.), Lancaster, Pa.**
**BLANCKE A. C. & CO.,** 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Boker Hermann & Co. (Imported), ("Gibraltar," "Novo Superior," "Intra"), 101 Duane, New York
Darling Valve & Mfg. Co., Ltd., Williamsport, Pa.
Draper Mfg. Co. (For Valves), Port Huron, Mich.


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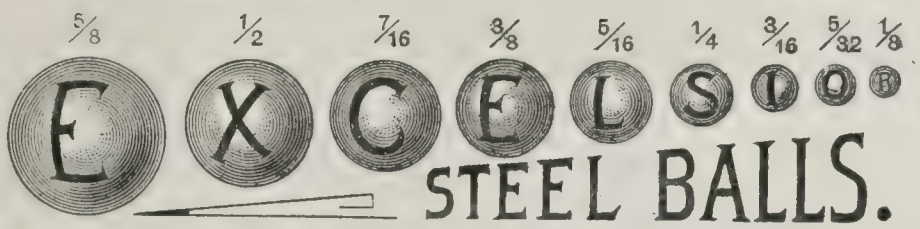


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Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**GWILLIAM CO., THE,** 23 Flatbush av, Brooklyn *See adv index at end of book*
Hoover Steel Ball Co., Ann Arbor, Mich.
Hough Chas. N. Mfg. Co., Franklin, Pa.
Jones Ball Co., Arlington Heights, Mass.
Meckel Fred L., 11 E 13th, Chicago, Ill.
Metal Ball Co., Inc., 856 Broad, Bridgeport, Conn.
**METAL SPECIALTY MFG CO., INC.** ("Wausau Brand"), 300 Aurora, Waterbury, Conn.
*See adv index at end of book*
**NEW DEPARTURE MFG. CO.** ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Pressed Steel Mfg. Co., Land Title bldg, Phila., Pa.
Probst C. F. Mfg. Co. (Burnishing), 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*
Reed & Prince Mfg. Co. (Burnishing), Worcester, Mass.
R.-I.-V. Co. ("R.-I.-V.-Hoffman," All Sizes), 1765 B'way, New York
Schatz Mfg. Co. (Solid and Hollow Pressed Steel), Poughkeepsie, N. Y.
Smith Richardson Co. (For Burnishing), Attleboro, Mass.
**STANDARD STEEL & BEARINGS, INCORPORATED,** 50th & Lancaster av, Phila., Pa.
Tioga Steel & Iron Co. (For Grinding Purposes), 52nd & Grays, Phila., Pa.
Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.
Western Tool & Forge Co. (Forged), Brackenridge, Pa.
Wharton Wm. Jr. & Co., Inc. (For Grinding Mills), Easton, Pa.

## 475— Balls (Steel, for Polishing & Burnishing)

**ABBOTT BALL CO.** ("Abbott"), Elmwood Station, Hartford, Conn.
*See adv index at end of book*
**EXCELSIOR STEEL BALL CO.**, P. O. Box 52, Buffalo, N. Y.
*See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Metal Ball Co., Inc., 856 Broad, Bridgeport, Conn. *See adv index at end of book*
**METAL SPECIALTY MFG. CO., INC.,** 300 Aurora, Waterbury, Conn.
*See adv index at end of book*
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*

## 475a—Balls (Stoneware, Hollow)

General Ceramics Co., 50 Church, New York
Knight, Maurice A., Akron, O.

## 476— Balls (Tank)

Canfield H. O. Co. ("Canfield" Rubber), Bridgeport, Conn.
See also Floats, Tank
Essex Rubber Co., Trenton, N. J.
Good Mfg. Co. (Rubber), 305 E 134th, New York
Goodrich B. F. Co. ("Pinnacle" Rubber), Akron, O.
Norwalk Mfg. Co. (Rubber), E Norwalk, Conn.
Schacht Rubber Mfg. Co. (Rubber), Huntington, Ind.

## 477— Balls (Tea)

Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
Cassady Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Woods-Sherwood Co. ("Sherwood's"), Worcester, Mass.

## 478— Balls (Tennis)

Goodrich B. F. Co. ("Goodrich"), Akron, O.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Pennsylvania Rubber Co. (Hand-Made Championship), Jeannette, Pa.
Seamless Rubber Co., New Haven, Conn.
Wilson Thos. E. & Co., 727 N Sagamon, Chicago, Ill.
Wright & Ditson, 344 Washington, Boston, Mass.

## 479— *Balls (Tin)

**ABBOTT BALL CO.** ("Abbott" For Bottle Stoppers), Elmwood Station, Hartford, Conn. *See adv index at end of book*

## 480— Balls (Tumbling Barrel)

**ABBOTT BALL CO.** ("Abbott"), Elmwood Station, Hartford, Conn.
*See adv index at end of book*
Baird Machine Co. (Steel), Bridgeport, Conn.
**EXCELSIOR STEEL BALL CO.**, P. O. Box 52, Buffalo, N. Y.
*See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jones Ball Co., Arlington Heights, Mass.
Metal Ball Co., Inc., 856 Broad, Bridgeport, Conn.
**METAL SPECIALTY MFG. CO., INC.,** 300 Aurora, Waterbury, Conn.
*See adv index at end of book*
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*
Smith, Richardson Co. (Steel), Attleboro, Mass.

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## 481— *Balls (Vacuum Cleaner)

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*See adv index at end of book*

## 482— *Balls (Valve)

**EXCELSIOR STEEL BALL CO.** (Steel, Brass & Bronze), P. O. Box 52, Buffalo, N. Y. *See adv index at end of book*

## 483— Balls (Wood)

**American Enamel Co.** (Plain & Enameled), Neville, Providence, R. I.
**American Sash & Door Co.** (Wholesale Mfrs.), Kansas City, Mo.
**BOGERT & HOPPER** (All kinds for All Purposes, Plain or Enameled), 57 Barclay, New York
*See adv index at end of book*
Carr, Ryder & Adams Co., Dubuque, Iowa
**ESTES E. B. & SONS** (All Kinds, for All Purposes, Plain or Enameled), 364 5th av, New York
*See adv index at end of book*
**Farley & Loetscher Mfg. Co., Dubuque, Ia.**
**Frary Mfg.** Co., Charlemont, Mass.
Huttig Mill Wk. Co., Independence & White, Kansas City, Mo.
Hyde-Murphy Co., Ridgway, Pa.
McMillan's W. H. Sons (Ten Pin), 153 South, New York
Novelty Turning Co., Norway, Me.
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
Peirce W. E. & Co., Milford, N. H.
Rowe Henry Mfg. Co., Newaygo, Mich.
Standard Turning Works, Cambridge, Mass
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 484— Balls (Zinc)

**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Metal Specialty Mfg. Co., Inc. (To Specifications), 300 Aurora, Waterbury, Conn. *See adv index at end of book*
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.

## 484a— *Balsa Wood

**AMERICAN BALSA CO., INC.** ("Balsalation"), 50 E 42nd, New York

## 485— Balusters

American Sash & Door Co., Kansas City, Mo.
**TYLER W. S. CO.** (Iron & Bronze), Cleveland, O. *See adv index at end of book*

## 485a—Balustrades & Railings

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Gorham Co. Architectural Bronze, 5th av & 36th, New York
Steelite Co., 1902 W 77th, Cleveland. O.
Stolz Jos & Son, Inc., 841 E 136th, New York
Tyler W. S. Co. (Iron & Bronze), Cleveland, O. *See adv index at end of book*

## 486— Bamboo

Demarest Chas. H. (Imp.), 150 Water, New York
Fearon Brown Co. (Ink), 96 Wall New York
Husselrath Importing Co. (Imp.), 37 Liberty, New York

## 486a— Banana Liquids

Du Pont Chemical Works, 120 B'way, New York

## 486b—*Band Iron (Soft Annealed)

**CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y.** *See adv index at end of book*

## Bandages (Surgical, Cotton)

See Gauze, Surgical

## 487—Bandages (Surgical, Rubber)

Ajax Rubber Co., 220 W 57th, New York
Bailey C. J. & Co., 22 Boylston, Boston, Mass.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Hodgman Rubber Co., 8 W 40th, New York
Miller Rubber Co., Akron, O.
Myers Mfg. Co., Fremont, O.
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Seamless Rubber Co., New Haven, Conn.
Star Rubber Co., Akron, O.
Tyer Rubber Co., Andover, Mass.
Whitall Tatum Co., 410 Race, Phila., Pa.

## 488— Banding (Braided)

See also Banding, Cotton
Covel & Osborn Co., Fall River, Mass.
Empire Weaving & Belting Corp., East Rochester, N. Y.
Frost, Geo. T. & Sons, Paterson, N. J.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Holden James, Fall River, Mass.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Lambeth Rope Corp., New Bedford, Mass.
Mallison Braided Cord Co., Athens, Ga.
Moore C. & Co., 5th & Market, Phila., Pa.
Small Bros. Fall River, Mass.
Speed & Stephenson ("Wm. Haighe's"), 170 Summer, Boston, Mass.
Standard Braid Co., Attleboro Falls, Mass.
Toohey M. J. & Co., Fall River, Mass.
Whittier Mills Co., Chattahoochee, Ga.
Young John B. J. & Levick, Phila., Pa.

## 489— Banding (Cotton)

See also Banding, Braided
Am. Supply Co., 135 Washington, Providence, R. I.
Beebe Cordage Co., Rockaway, N. J.
Bibb Mfg. Co. (Braided), Macon, Ga.
Buffalo Weaving & Belting Co., Buffalo, N. Y.
Chase F. A. & Co., 253 W Exchange, Providence, R. I.
**Cohankus Mfg. Co., Paducah, Ky.**
Covel & Osborn Co., Fall River, Mass.
Elder Jas., 230 W Coulter, Germantown, Phila., Pa.
Empire Weaving & Belting Corp., East Rochester, N. Y.
Goss Bros., Fall River, Mass.
Hodson John M., Markle & Boone, Phila., Pa.
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Holden James, Fall River, Mass.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
International Braid Co., 47 Charles, Providence, R. I.
Lees Mfg. Co., Westport, Conn.
Mount Pleasant Banding Co. (Twisted), New Bedford, Mass.
Russell Mfg. Co., Middletown, Conn.
Small Bros., Fall River, Mass.
Standard Braid Co., Attleboro Falls, Mass.
Tennessee Line & Twine Co., Elizabethton, Tenn.
Toohey M. J. & Co., Fall River, Mass.
Unity Cotton Mills, La Grange, Ga.
Young John B. J. & Levick, Phila., Pa.

## 490— Bands (Boom)

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc. (Adjustable Goose Neck, etc), Middletown, Conn.
*See adv index at end of book*

## 490a—*Bands (Box and Bale)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Twisted Wire & Steel Co., 437 11th av, New York

## 491— Bands (Brake)

**BOSSERT CORP. (THE),** cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
Columbia Steel Co., Elyria. O.
Continental Fibre Co. (Fibre), Newark, Del. *See adv index at end of book*
**Cramp Wm. & Sons, Ship & Engine Building Co., Beach & Ball, Phila., Pa.**
Crosby Co., 183 Pratt, Buffalo. N. Y.
Detroit Pressed Steel Co., 1800 Mt. Elliott av, Detroit, Mich.
**Globe Machine & Stamping Co., 1250 W 76th, Cleveland. O.**
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
Kales Stamping Co., 443 Lafayette W, Detroit, Mich.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
National Fibre & Insulation Co., Yorklyn, Del.
**Neustadt Auto & Supply Co., 3200 Locust, St. Louis, Mo.**
Norwalk Auto Parts Co., Norwalk, Ohio
**Reliance Engineering Co., Lansing, Mich.**
Raybestos Co. ("Raybestos," "Duplex"), Bridgeport, Conn.
Royal Fibre Co., West Somerville, Mass.
Standard Parts Co., Cleveland, O.
**West Leechburg Steel Co., Farmers Bank bldg, Pittsburgh, Pa.**

## 492— Bands (Brass)

**Waterbury Brass Goods Corporation (Fancy & Perforated), Waterbury, Conn.**

## 493— Bands (Brush)

Lothrop F. B. Co., South Acton, Mass.

## Bands (Hose)

See Clamps, Hose

## 494— Bands (Hub & Rim)

Eastern Malleable Iron Co. ("Warner," "Locke & Jewel," "Rouse," "Kenny," "Dietz," "Sweet's Concealed," etc), Naugatuck, Conn.
**Meeker Mfg. Co., Dayton, O.**
**Searle Mfg. Co., 29 Mulberry, Newark, N. J.**

## 495-6— Bands (Kiln)

Arnold-Creager Co., New London, O.
Tecktonius E. C. Mfg. Co., Racine, Wis.

## 497— *Bands (Metal Bale)

**CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y.** *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## Bands (Neck Yoke)

See Irons, Neck Yoke

## 498— Bands (Pipe & Tank)

**American Bridge Co., 30 Church, New York**
**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
**Ballard Drop Forge Co. (Steel), Seattle, Wash.**
Cambria Steel Co., Widener bldg., Phila., Pa.
**Central Foundry Co. (For Cast Iron Pipe), 90 West, New York**
Colorado Fuel & Iron Co., Denver, Col.
**Franklin Pipe & Foundry Co., 2438 S Paulina, Chicago, Ill.**
**Illinois Steel Co., 208 S La Salle, Chicago, Ill.**
Laclede Steel Co., Arcade bldg, St. Louis, Mo.

## 499— Bands (Polishing)

**Besly Chas. H. & Co. ("Besly"), 120 N Clinton, Chicago, Ill.**
**Gardner Machine Co. ("Gardner"), S Beloit Div, Beloit, Wis.**

## 499a— Bands (Projectile)

Standard Parts Co., Cleveland, O.

## 500— Bands (Rubber)

**American Lead Pencil Co., 220 5th av, New York**
**Davol Rubber Co., 69 Point, Providence, R. I.**
Dykema Co. (Jobbers), 640 Smithfield, Pittsburg, Pa.
**Easthampton Rubber Thread Co. (Para Rubber), Easthampton, Mass.**
**Empire Tire & Rubber Corp., East Trenton, N. J.**
**Faber A. W., 41 Dickerson, Newark, N. J.**
**Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.**
**Goodrich B. F. Co. (For All Uses), Akron, O.**
Goodyear Tire & Rubber Co., Akron, O.

Hodgman Rubber Co., 8 W 40th, New York
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Tyer Rubber Co. ("Ajax"), Andover, Mass.

## 501— Bands (Sand & Mud)

Concord Axle Co. ("Farris"), Penacook, N. H.
Trenton Malleable Iron Co., Trenton, N. J.

## 502-3—Bands (Shingle, Box & Shook)

See also Box Straps

Acme Steel Goods Co. (Also Bale), 2834 Archer av, Chicago, Ill.
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
Hollow Cable Mfg. Co. (Patent Braided Wire Box), Hornell, N. Y.
Krenz Oscar Copper & Brass Wks., 612 Bryant, San Francisco, Cal.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Paton J. & Co. (Iron & Steel), Cleveland, O.

## Bank Fixtures

See Bank & Office Fixtures, Metallic; also Store & Bar Fixtures

## 504— Bank Vaults

American Safe Co., Anderson, Ind.
Barnes Safe & Lock Co., 941 Liberty, Pittsburgh, Pa.
Baum J. Safe & Lock Co., 617 E Front, Cincinnati, O.
Cary Safe Co., Buffalo, N. Y.
**DIEBOLD SAFE & LOCK CO.**, Canton, O.
*See adv index at end of book*
Gross-Feibel Co., Hillsboro, O.
**HALL'S SAFE CO.**, P. O. Box 846, Cincinnati, O. *See adv index at end of book*
Harrigan Safe Co., Kansas City, Mo.
Herring-Hall-Marvin Safe Co., Hamilton, O.
Jackson Wm. H. Company, 2-4-6 W 47th, New York
Manganese Steel Safe Co. ("Tisco" Manganese Steel), High Bridge, N. J.
Miller Safe Co., Fremont av & Briscoe, Baltimore, Md.
Mills Wm. J., 25 Bainbridge, Brooklyn, N. Y.
Mosler Safe Co., Hamilton, O.
National Safe & Lock Co., 2341 E. 69th, Cleveland, O.
Remington & Sherman Co., 359 B'way, New York
Schwab Safe Co., Lafayette, Ind.
Trumbull Safe & Vault Co., 77 W Lake, Chicago, Ill.
Van Dorn Iron Works Co. (Equipment), 2700 E 79th, Cleveland, O.
Victor Safe & Lock Div., The Safe Cabinet Co. (Manganese Steel), Norwood, Norwood, Cincinnati, O.
Waltz Safe & Lock Co., 233 California, San Francisco, Cal.
York Safe & Lock Co., York, Pa.

## 505—Bank & Office Fixtures (Metallic)

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Art Metal Products Co., 514 S Green, Chicago, Ill
Baldwin Brass Wks., 407 S Clinton, Chicago, Ill.
Barshal Steel Equipment Co., 2031 Euclid av, Cleveland, O.
Berger Mfg. Co., Canton, O.
Canton Art Metal Co., Canton, O.
Chicago Cabinet & Fixture Wks., 2016 Van Buren, Chicago, Ill.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Edwards O. M. Co., Inc., Syracuse, N. Y.
Ehrlich H. & Sons Mfg. Co., St Joseph, Mo.
Ellison Brass Mfg. Co. (Brass & Bronze), Jamestown, N. Y.
Fire-Proof Furniture & Construction Co., Miamisburg, O.
General Fireproofing Co. ("Allsteel"), 3680 Logan av, Youngstown, O.
Heath J. S. Co. (Also Store), Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Inter-Ocean Cabinet Co. (Special), 320 S Paulina, Chicago, Ill.
Invincible Metal Furn. Co., Manitowoc, Wis.
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Library Bureau, 43 Federal, Boston, Mass.
**NEWMAN MFG. CO., 717 Sycamore, Cincinnati, O, 68 W Washington, Chicago, Ill.** *See adv index at end of book*
Revell A. H. & Co., 141 S Wabash av, Chicago, Ill.
Stiffel & Freeman Co., Lititz, Pa.
Steel Fixture Mfg. Co., Topeka, Kan.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Watson Mfg. Co., Jamestown, N. Y.

## 506— Bank & Office Railings

See also Bank & Office Fixtures, Metallic
See also Fixtures, Bank, Office & Store

### CALIFORNIA.

LOS ANGELES—Biescar Bros.
Niederer J. Co.
SAN FRANCISCO—California Artistic Metal & Wire Co., 349 7th
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y. (West M. G. Co., Agents), 353 Market *See adv index at end of book*
Garratt W. T. & Co., 299 Fremont
Graff A. & Sons (Brass), 39 Shipley, San Francisco, Cal.
Kehoe Display Fixture Co., 541 Market, San Francisco, Cal.
Ralston Iron Works, 20th & Indiana
Rudgar-Merle Co., 198 Bay
Sperry Wire & Iron Works, 178 Oak
West Coast Wire & Iron Works, 861 Howard

### COLORADO.

COLORADO SPRINGS—Hassell Iron Works Co.
DENVER — **DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo st, Jamestown, N. Y. (Hine Desk & Fixture Co., 1640 California)
*See adv index at end of book*
Grauman L. Fixture Co.
Jackson-Richter Iron Works Co.
Pioneer Iron & Wire Works Co.
Verdeckberg Iron & Wire Works Co.

### CONNECTICUT.

BRIDGEPORT—Barnes T. M.
HARTFORD—Howard James L. & Co.
MERIDEN—Bradley & Hubbard Mfg. Co.
NEW HAVEN—Smith Edw. F.
Smith John P. & Co.
PLAINVILLE—Elm City Brass & Rivet Co.
SOUTHPORT—Jelliff C. O. Mfg. Corp.

### GEORGIA.

Muller Geo. W. Bank Fixture Co.
Southern Wire & Iron Works

### ILLINOIS.

CHICAGO—American Iron & Wire Works, 1622 Carroll av
Baldwin Brass Works, 407 S Clinton
Barbee Wire & Iron Works, 111 Washington
Brasco Mfg. Co., 1451 S Michigan av
Central Architectural Iron Works 53 W Jackson blvd
Coleman Adelbert E., 336 W 37th
Columbia Wire & Iron Works, 1933 W Lake
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y., 19 S La Salle
*See adv index at end of book*
Deschauer Wire & Iron Works, 2009 Larrabee
**HANKE IRON & WIRE WORKS**, 800 No Albany av
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario
*See adv index at end of book*
Heath-Johnson Co., 300 W Ontario
Hester Mfg. Co., 1455 S Michigan av
Hickey M. H., 36 W Randolph
Imperial Brass Mfg. Co. (Brass), 524 S Racine av
*See adv index at end of book*
Johnson Meier Co., 155 Wendell
Newman Mfg. Co., 68 W Washington
*See adv index at end of book*
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av
*See adv index at end of book*
Standard-Tyler Co., 2436 W 15th
Sullivan-Korber Co., 2437 W 21st pl
United Ornamental Iron Works, 189 W Madison
Voss Fred'k, 552 W Monroe
Western Ach'l Iron Co., 211 W Schiller
Winslow Bros. Co. (Iron, Brass & Bronze), 4600 Harrison
QUINCY—Van Doorn Co.
ROCKFORD—Andrews Wire & Iron Wks
SYCAMORE—Turner Brass Works
WAUKEGAN—Cyclone Fence Co.

### INDIANA.

EVANSVILLE—International Steel & Iron Co. (Wire & Iron)
Mesker Geo. L. & Co. (Wire & Iron)
INDIANAPOLIS—**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y. (Vonnegut Hardware Co., Agents)
*See adv index at end of book*
Geiger & Peters
Langsenkamp E. H.
Melaun Ernest
Roch Tobias
KOKOMO—Kokomo Steel & Wire Co. (Wire & Iron)
LAFAYETTE—Barbee Wire & Iron Works
TERRE HAUTE—Up-to-Date Mfg. Co.

### IOWA.

DUBUQUE—Trenk Wire Works

### KANSAS.

TOPEKA—Capital Iron Works Co.
WICHITA—Christopher Geo. C. & Son

### KENTUCKY.

COVINGTON—Michael's Art Bronze Co.
LOUISVILLE—Champion Wire & Iron Works
Dow Wire & Iron Works
Imperial Wire & Iron Works

### MAINE.

PORTLAND—Megquier & Jones Co.

### MARYLAND.

BALTIMORE—Balderston H & Son, 505 W Franklin
Chesapeake Iron Works, Westport
Dufur, Baggott & Co., 403 N Paca
Dufur & Co., 311 N Howard
Jones L. E., 321 N Calvert
Meiser H. & Son, 204 Clay

### MASSACHUSETTS.

BOSTON—Bassill Louis Co., 100 Utica
Boston Nickel Plating Co. (Brass), 160 Portland
**DAHLSTROM METALLIC DOOR CO.** 413 Buffalo, Jamestown, N. Y. (W. J. Grosvenor & Co., Agents), 8 Beacon
*See adv index at end of book*
Hub Wire Cloth & Wire Work Co., 108 Portland
**McGANN T. F. & SONS CO.**, 117 Portland
*See adv index at end of book*
Morss & Whyte Co., Sidney & Pilgrim
Nelson Bros., 62½ Thayer
Scrannage Bros. (Brass), 77 Travers
Whyte Oliver & Co., 21 Cornhill
GLOUCESTER—Success Mfg. Co.
SPRINGFIELD—Bigelow Cheney Wire Works
WORCESTER—Wickwire Spencer Steel Corp.
*See adv index at end of book*

### MICHIGAN.

DETROIT—Acme Fancy Wire Works, Canfield & Moran
Art Brass & Wire Works, Forest & Ellery
Barnum E. T. Wire & Iron Works, 864 Woodward
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y. 2302 Dime Savings Bank bldg
*See adv index at end of book*
De Croupet Iron Works, 345 Monroe av

MICHIGAN—Detroit—continued
Detroit Arch'l Iron Works Co., Book bldg
**Detroit Wire & Iron Works, 1160 Jefferson av E**
**Inglis Wm., Wire & Iron Works, 61 Woodbridge**
Kirby & Daquindre
*See adv index at end of book*
Mansfield Steel Corp., 288 Milwaukee av E.
**PHOENIX WIRE WORKS**
*See adv index at end of book*
**GRAND RAPIDS—Grand Rapids Ornamental Iron & Wire Works**
Metal Office Furn. Co.
**Weatherly Co. (Brass & Iron)**

## MINNESOTA.

**MINNEAPOLIS—Builders Iron Works Co., 1815 University av**
Crown Iron Works Co., 1229 Tyler
Flour City Ornamental Iron Co., 27th & 27th av
**Kienzle-Merrick Mfg. Co., 1214 S 3d**
**Minneapolis Ornamental Iron Co., 143 27th av S E**
Twentieth Century Brass Works, 514 5th av S
**ST. PAUL—Herzog Iron Works**
Twin City Iron & Wire Works, 25 W Water

## MISSOURI.

KANSAS CITY—Central Brass Works Co., Goodrich & Central
Kansas City Wire & Iron Works
Kleeman L. F. Mfg. Co., 1923 Central
Loewer John E. Wire & Iron Works Co., 914 Campbell
Southwest Wire & Iron Works Co.
Tilk Frank Ornamental Iron Works Co., 211 W 19th
ST. JOSEPH—Voltz Mfg. Co., 914 Penn.
ST. LOUIS—Kraushaar Brass Mfg. Co., 919 Pine
Lasar Ornamental Iron Co., 16th & O'Fallon
St. Louis Brass Mfg. Co., Jefferson & Washington av
St. Louis Wire & Iron Co., 926 Chouteau av

## MONTANA.

HELENA — **DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo st, James- 413 Buffalo st, Jamestown, N. Y. town, N. Y. (Raymond C. Grant, Power Block Annex)
*See adv index at end of book*

## NEBRASKA.

OMAHA—Champion Iron & Wire Works
Hlavka Jno.

## NEW JERSEY.

**NEWARK—Gould's M. Son & Co. (Brass & Bronze), 115 Lafayette**
**Industrial Wire & Metal Works, 95 High**
**Riley-Klotz Mfg. Co., 17 Mulberry (Square Tubing)**
**Storsberg Fritz Co., 20 Atlantic**

## NEW YORK.

BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—**BUFFALO WIRE WORKS CO.,** 453 Terrace.
*See adv index at end of book*
Sanford Thomas F., 84 B'way
Zero Valve & Brass Mfg. Co. (Brass Only)
JAMESTOWN—Art Metal Construction Co. *See adv index at end of book*
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo st.
*See adv index at end of book*
Ellison Brass Mfg. Co. (Brass & Bronze)

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—American Brass Fixture Works (Brass & Bronze), 56 Greenpoint av
Grosback Wm. & Co., 37 Maspeth av
Hecla Iron Works (Iron, Brass & Bronze), 118 N 11th
Mills W. J., 25 Bainbridge
**Penn. Brass & Bronze Works (Brass, Bronze, etc), 111 Dobbin**

### Boroughs of Manhattan and Bronx.

NEW YORK—Anchor Post Iron Works, 167 Bway. *See adv index at end of book*
**Bataille, Achille & Co., 587 Hudson**
**Brinkerhoff's J. P. Sons, 57 Dey**
**Cabaret Paul E. & Co. (Bronze), 126 11th av**
Chapman Wm. O. Co., 30 Church
Coco Bros., 13 Baxter
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y., 130 E 15th
*See adv index at end of book*
**Empire Brass & Metal Works, 29 W 34th**
**Estey Wire Works Co., 34 Cliff**
Fiske J. W. Iron Works, 111 Park pl
Gorham Co. Arch'l Bronze, 5th av & 36th; Works: Providence, R. I.
**Guerin P. E. (Inc.), 21 Jane**
Henry-Bonnard Bronze Co. (Bronze & Ornamental Iron & Brass), 20 Exchange pl
**Hopkins & Co., 199 Franklin**
Howard & Morse, 45 Fulton
**Hungerford U. T. Brass & Copper Co. (Of all Descriptions), 80 Lafayette**
**Jackson Wm. H. Company (Bank Counter Screens a Specialty), 2 W 47th**
**Janusch Mfg. Co. (Brass & Bronze), 496 E 134th**
Manhattan Brass Co., 332 E 28th
**New York Brass & Wire Works Co., 177 Grand**
Pitt Wm. R. Composite Iron Works, 221 W 26th
**Stolp Oscar, 20 Fletcher**
Thompson Hervey, 233 B'way
Tiffany Studios, 361 Madison av
**TYLER W. S. CO. (of Cleveland, O.), 200 5th av**
*See adv index at end of book*
**Wells Architectural Iron Co., River av & 151st**
**Williams George A. & Son, 85 Fulton**
Williams John, Inc., 556 W 27th

### Borough of Queens.

ASTORIA—Federal Brass & Bronze Co., Ridge
MASPETH—Richey, Brown & Donald, Flushing av

**(End of New York City)**

NORWICH—Norwich Wire Works
ROCHESTER—Snow Wire Works Co.
White Wire Works Co.
SYRACUSE—Edwards O. M. Co., Inc.
**Smith & Caffrey Co.**
Syracuse Wire Wk., 101 University av, New York

## OHIO.

AKRON—Ornamental Iron Works Co.
CANTON—Columbia Iron & Wire Works Co.
CINCINNATI—Cincinnati Mfg. Co.
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo st, Jamestown, N. Y. (Dahlstrom Sales Co., 702 Mercantile Library bldg).
*See adv index at end of book*
**Kamman Walter, 3258 Spring Grove av**
Kinsley John R., 115 E 6th
**NEWMAN MFG. CO., 717 Sycamore,** 68 W Washington, Chicago, Ill.
*See adv index at end of book*
Schreiber L. & Sons Co., 3869 Ivanhoe
CLEVELAND—Cleveland Art Metal Co., 3620 Superior
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo st, Jamestown, N. Y. (Cleveland Fireproofing Equipment Co., Agents), 725 New Guardian bldg *See adv index at end of book*
**Sheer Bros. Fence & Iron Co., 715 E 103rd**
Steelite Co., 1902 W 77th, Cleveland, O
**TYLER W. S. CO.** (Bronze)
*See adv index at end of book*
Van Dorn Iron Works Co., 2700 E 79th
**COLUMBUS—Columbus Brass Co. (Brass & Bronze), 538 Dublin av**
*See adv index at end of book*
Columbus Wire & Iron Works Co.
Ohio Elevator & Machine Co.
DAYTON—Plocher Andrew Sons Co.
**HAMILTON—MEYERS FRED J. MFG. CO.** *See adv index at end of book*
SPRINGFIELD—Bayley Wm. Co.
TOLEDO—Milmine H. B. & Co.
**Toledo Wire & Iron Works**

## OKLAHOMA.

**OKLAHOMA CITY—DAHLSTROM METALLIC DOOR CO.** 413 Buffalo, Jamestown, N. Y. (John Russ Co., Agents), 1108 Colcord bldg
*See adv index at end of book*

## OREGON.

**PORTLAND—Portland Wire & Iron Works**
**Tuerck I. K.**

## PENNSYLVANIA.

**PHILADELPHIA—Biggin Chas. P. Co., 1829 Harlan**
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y. (Cooper & Lucas Agents), 835 Real Estate Trust bldg
*See adv index at end of book*
Darby Edw. & Sons Co., 412 N 18th
Gensel Frederick & Co., 911 Vine
Giese Mfg. Co., 260 S 5th
Halstead & Co., 1129 Cherry
Midland Metal Co. (Inc.), 21st & Jefferson
**Nacke A. & Son, 236 S 9th**
**Pettit Frank Ornamental Iron Works, 809 Master**
**PITTSBURGH—DAHLSTROM METALLIC DOOR CO.,** 413 Buffelo, Jamestown, N. Y. (Simons, Brittain & English, Agents), 1703-4 Oliver bldg
*See adv index at end of book*
**McKENNA BRASS & MFG. CO., INC.** (Brass & Bronze), 1st av & Ross
Pittsburgh Brass Mfg. Co., Penn & 32nd
Sommerville Iron & Bronze Co., 5641 Butler
Taylor & Dean, Penn av & 25th
READING—Remppis W. F. Iron Works, 226 Spruce
SCRANTON—American Safety Lamp & Mine Supply Co.

## RHODE ISLAND.

PROVIDENCE—Blaisdell S. S. Machine Co. (Brass), 228 Aborn
**What Cheer Wire Works, 157 Dorrance**

## TENNESSEE.

CHATTANOOGA—Standard Iron & Wire Wks.

## TEXAS.

DALLAS — **DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo st, Jamestown, N. Y. (Gilbert Mfg. Co., Agents), 1209½ Main st
*See adv index at end of book*
HOUSTON—Berger A. A. & Co.

## UTAH.

SALT LAKE CITY—Crager Wire & Iron Works
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y. (Manufacturers' Specialties Co., Agents), 418 Boston bldg
*See adv index at end of book*

## VIRGINIA.

NORFOLK—Norfolk Iron & Wire Works, (Inc.)
RICHMOND—Richmond Structural Steel Co., 18th & Dock

## WASHINGTON.

SEATTLE—**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y. (Camp-Te Roller Agents), 530 Colman bldg
*See adv index at end of book*
**Pacific Ornamental Iron Co.**

# ROLLIN CHEMICAL CORPORATION

120 Broadway, New York

Works: So. Charleston, W. Va. Johnson City, Tenn. Evington, Va.

*Manufacturers of*

Barium Binoxide
Barium Carbonate
Barium Chloride
Barium Sulphate (Blanc Fixe)
Barium Nitrate
Barium Sulphide
Sodium Sulphide (Double and Single Strength)
Caustic Soda
Salt Cake
Glauber's Salt
Muriatic Acid
Monochlorbenzol
Carbon Tetrachloride
Sulphur Chloride
Carbon Bisulphide
Dichlor Benzol


**SPOKANE**—Spokane Ornamental Iron & Wire Works

WEST VIRGINIA.

WHEELING—Harris P. S.

WISCONSIN.

MILWAUKEE—Globe Wire & Iron Works, Atkinson av
Loeffelholz Co., 170 Clinton
Wisconsin Iron & Wire Works

## 507— Banks (Savings)

American Badge Co. (Toy), 143 W Austin av, Chicago, Ill.
Arcade Mfg. Co., Freeport, Ill.
Bogert & Hopper, Inc. (Wood, Toy, etc.), 57 Barclay, New York
*See adv index at end of book*
Burns W. F. Co., 38 S Dearborn, Chicago, Ill.
Champion Hardware Co., Geneva, O.
Dent Hardware Co., Fullerton, Pa.
Durable Toy & Novelty Co., 44 Union sq, New York
**Estes E. B. & Sons (Toy, etc.), 364 5th av** New York *See adv index at end of book*
Grey Iron Casting Co. (Iron Toy), Mt. Joy, Pa.
Hubley Mfg. Co., Lancaster, Pa.
Ideal Mfg. Co., Franklin & Dubois, Detroit, Mich.
**Ives Mfg. Corp., Bridgeport, Conn.**
Kenton Hardware Co. (Iron & Steel), Kenton, O.
Nicol & Co. ("White City"), 218 N Jefferson, Chicago, Ill.
Novitas Sales Co., Waltham, Mass.
Sager Lock Co. ("Harper"), North Chicago, Ill.
Williams A. C. Co., Ravenna, O.

## 508— Bar Bell

Sperry D. R. & Co. (Adjustable), Batavia, Ill.

## 509—10 *Bar Brass or Bronze

**AMERICAN BRASS CO.**, Waterbury, Conn.
*See adv index & branch offices at end of book*
Erie Bronze Co., 353 W 19th, Erie, Pa.
*See adv index at end of book*

## Bar Iron or Steel

See Iron Bar Mills; also Steel Bar Mills

## 511— Barge Builders

See also Ship Builders

American Bridge Co. (Steel), 30 Church, New York
American Car & Foundry Co. (Steel & Wooden), Syndicate Trust bldg, St. Louis, Mo.
American Steel Dredge Co. (Steel), Ft. Wayne, Ind.
Carroll-Porter Boiler & Tank Co. (Steel), Empire bldg, Pittsburgh, Pa.
**CHICAGO BRIDGE & IRON WORKS** (Steel), 2105 Old Colony bldg, Chicago, Ill. *See adv index at end of book*
Coastwise Ship Bldg Co. (Wood), ft. of Andre, Baltimore, Md.
Cramp Wm. & Sons Ship & Engine Building Co. (Steel), Beach & Ball, Philadelphia, Pa.
Dubuque Boat & Boiler Works (Steel & Wooden), Dubuque, Ia.
Ferguson Steel & Iron Co. Inc., Buffalo, N. Y.
Harlan & Hollingsworth Corporation (Steel), ft of West, Wilmington, Del.
Interocean Barge & Transport Co. (concrete), Seattle, Wash.
Manitowoc Ship Building Co., Manitowoc, Wis.
McLean Contracting Co., Fidelity bldg, Baltimore, Md.
Newport News Ship Building & Dry Dock Co. (Steel), 233 B'way, New York
**PITTSBURGH-DES MOINES STEEL CO.** (Steel), 4th & Ross, Pittsburgh, Pa.
*See adv index & branch offices at end of book*
San Francisco Shipbuilding Co. (concrete), 310 California, San Francisco, Cal.
Southern Boiler & Tank Works (Steel), Memphis, Tenn.
Stolz Jos. & Son, Inc. (Steel), 841 E 136th, New York
Union Iron Works Co. (Steel), 20th & Michigan, San Francisco, Cal.
Union Shipbuilding Co. (Steel), Fairfield, Md.
Woodall Wm. E. & Co., ft. of Woodall, Baltimore, Md.

## 511a— Barge Builders (Concrete)

Ambursen Construction Co., 61 B'way, New York.
Brown Louis L. Co., 30 Church, New York
Clarke Martin Shipbuilding Co., Catskill, New York
Concrete Ship Moulding Co., Seattle, Wash.
Fougner Concrete Shipbuilding Co., 50 Pine, New York
Interocean Barge & Transport Co., Seattle, Wash.
Klinberg W. & Son, 50 Church, New York
Liberty Ship Building & Transport Co., Cleveland, O.
Maritime Engineering Co., 50 E. 42nd, New York
San Francisco Shipbuilding Co., 310 California, San Francisco, Cal.

## 512— Barium

Durex Chemical Corp., 320 5th av, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co. (Carbonate, Precipitated), Elec. bldg, Cleveland, O.
McKesson & Robbins (Imp), 91 Fulton, New York
Port Morris Chemical Wks, 141st & Locust av, New York
Roessler & Hasslacher Chemical Co. (Nitrate), 709 6th av, New York
Wiarda John C. & Co. (Carbonate, Fluoride & Sulphate), 273 Greene, Brooklyn, N. Y.

## 512a— Barium Acetate

Dissosway-Schad Co., Inc., 830 Humboldt, Brooklyn, N. Y.
Klipstein A. & Co., 644 Greenwich, New York
Squibb E. R. & Sons, 78 Beekman, New York

## 512b— Barium Bromide

Dow Chemical Co., Midland, Mich.

## 512c— Barium Carbonate

Chicago Copper & Chemical Co., Western Union bldg, Chicago, Ill.
Doggett Stanley, 11 Cliff, New York
Durex Chemical Corp., 320 5th av, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Klipstein A. & Co. ( Imp.), 644 Greenwich, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Port Morris Chemical Wks., 141st & Locust av, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
**ROLLIN CHEMICAL CORP.**, 120 B'way, New York *See adv index at end of book*
Uhlich Paul & Co., Pure Precipitated, 11 Cliff, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 513— Barium Chloride

Block Chemical Wks, Berkeley Hts., Newark, N. J.
Chicago Copper & Chemical Co., Western Union bldg, Chicago, Ill.
du Pont (E. I.) de Nemours & Co. (Acid & Heavy Chemical Sales Dept), Wilmington, Del.
Durex Chemical Corp., 320 5th av, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Katzenbach & Bullock Co., 100 William, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Port Morris Chemical Wks, 141st st & Locust av, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
**ROLLIN CHEMICAL CORP.**, 120 B'way, New York *See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 514— Barium Cyanide

Hachmeister-Lind Chemical Co. "Sustanol," Pittsburgh, Pa.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.

## 514a— Barium Fluoride

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Highfield John W. 248 N 10th, Brooklyn, N. Y.

## 515— Barium Hydrate

Chicago Copper & Chemical Co. (Barium Hydrate or Hydrate of Barytes), Western Union bldg, Chicago, Ill.

BARIUM HYDRATE—continued
Durex Chemical Corp., 320 5th av, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York

## 516— Barium Nitrate

Bischoff C. & Co. (Imp), 451 Washington, New York
Block Chemical Wks, Berkeley Hts., Newark, N. J.
Chicago Copper & Chemical Co., Western Union bldg, Chicago, Ill.
du Pont (E. I.) de Nemours & Co. (Acid & Heavy Chemical Sales Dept), Wilmington, Del.
Durex Chemical Corp., 320 5th av, New York
Farmingdale Chemical Wks, Inc., Farmingdale, L. I., N. Y.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hummel & Robinson, 26 Cortlandt, New York
Marden, Orth & Hastings Co., 136 Liberty, New York.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Port Morris Chemical Works, 141st & Locust av, New York
Rollin Chemical Corp., 120 B'way, New York *See adv index at end of book*

## 517— Barium Peroxide

Bischoff C & Co. (Imp), 451 Washington, New York
Katzenbach & Bullock Co., 100 William, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
**ROLLIN CHEMICAL CORP.**, 120 B'way, New York *See adv index at end of book*

## 517a— Barium Salts

Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

## 518— Barium Sulphate

Block Chemical Wks, Berkeley Hts., Newark, N. J.
Durex Chemical Corp., 320 5th av, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co. (For X-Ray Work), 45 Park Pl, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
**ROLLIN CHEMICAL CORP.** (Blanc Fixe), 120 B'way, New York *See adv index at end of book*

## 519— Barium Sulphide

Block Chemical Wks.. Berkeley Hts, Newark, N. J.
Durex Chemical Corp., 320 5th av, New York
Rollin Chemical Corp., 120 B'way, New York *See adv index at end of book*

## 520— Bark (Mangrove)

Bauer Philip Co. (Imported), 25 B'way, New York
Gravenhorst & Co. (Imp), 96 Wall, New York
Haley-Hammond Co., 129 Pearl, New York
Klipstein A. & Co. (Imported), 644 Greenwich, New York

## 521— Barn Equipments

Hudson Mfg. Co., 324 3rd av N, Minneapolis, Minn.
Hunt-Helm-Ferris & Co., Harvard, Ill.
James Mfg. Co., Fort Atkinson, Wis.
Louden Machinery Co., Fairfield, Ia.
Mitchell Mfg. Co., Milwaukee, Wis.
Porter J. E. Co., Ottawa, Ill.

## 521a—Barographs and Barometers (Aeroplane)

Green Hy. J., 1191 Bedford av, Brooklyn, N. Y.
Haustetter A., 308 Madison av, New York
**HENDERSON BROS. CO.**, 133 S Leonard, Waterbury, Conn.
Sussfeld, Lorsch & Co., 90 Maiden la, New York.
Taylor Instrument Co's, Rochester, N. Y.

## 522-3— Barometers

American Thermo Ware Co., 16 Warren, New York
Bliss John & Co. (Imp), 128 Front, New York
Braun-Knecht-Heimann Co. (Mercurial), 576-584 Mission, San Francisco, Cal.
Chaney Mfg. Co., Springfield, O.
Draper Mfg. Co., 152 Front, New York
Du Vivier Ernest H. (Imp) (Dial & Recording), 30 Church, New York
Elliott B. K. Co. (Aneroid), 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Fleischhauer F. & Son, Hollis, Long Island N. Y.
Freas Francis L., Conshohocken, Pa.
Green Henry J. (Aneroid & Mercurial), 1191 Bedford av, Brooklyn, N. Y.
Keuffel & Esser Co. (Aneroid), Hoboken, N. J.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
McCoy Joseph F. Co., 157 Chambers, New York
Philadelphia Thermometer Co., 9th & Arch, Ph'la., Pa.
**PRECISION THERMOMETER & INSTRUMENT CO.**, 1434 Brandywine, Philadelphia, Pa.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Sussfeld, Lorsch & Co. (Imp), 90 Maiden Lane, New York
Tagliabue Chas. J. Mfg. Co. (Mercury), 18 33d, Brooklyn, N. Y.
Taylor Instruments Companies ("Tycos" of All Kinds), Rochester, N. Y.
Wagner Bros. & Co. (Importers), 71 W 23d, New York
Wagner Carl H., 1944 N Albany av, Chicago, Ill.
Weinhagen & Hespe (Imp.), 159 Leonard, New York

## Barrel Packers

See Packing Machines; also Bag Filling Machines

## Barrels (Bilge)

See Barrels, Steel Shipping, with the Word Bilge Following Their Names

## 523a— *Barrels (Burnishing)

**ABBOTT BALL CO.** ("Abbott"), Elmwood Station, Hartford, Conn.
*See adv index at end of book*

## 523b—*Barrels (Candy Miniature)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 64 5th av, New York
*See adv index at end of book*

## 524— Barrels (Chlorinating)

Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Worthington Pump & Machinery Corp., 115 B'way, New York
*See adv index at end of book*

## 525-6—Barrels (Clean Up or Amalgam)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 B'way, New York
*See adv index at end of book*
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 527— Barrels (Cyanide)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 527a— Barrels (Fibre)

Everett Fibre Products Corpn., 347 Madison av, New York
National Fibre & Insulation Co., Yorklyn, Del.
**ROGERS FIBRE CO.** ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

## 528—Barrels (Gasoline Underground Storage)

Meurer Steel Barrel & Co., Inc. ("Anchor"), 23 W 43rd, New York
Scaife Wm. B. Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

## 528a— Barrels (Gun & Rifle)

Avis Gun Barrel Co., New Haven, Conn.
**Avis S. R. & Sons (Inc.), 198 Brown, New Haven, Conn.**

## 529— Barrels (Japanning)

Baird Machine Co. (Also Tumbling Barrels), Bridgeport, Conn.

## 530— Barrels (Oil)

Atlantic Tank & Barrel Corp., Hoboken, N. J.
Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
California Barrel Co., 433 California, San Francisco, Cal.
Gulf Cooperage Co., Frick Annex, Pittsburgh, Pa.
Kretchmer Mfg. Co. (Galvanized), Council Bluffs, Ia.
McArdle & Co. (Wood), 38th pl & Gage, U. S. Yards, Chicago, Ill.
Penna. Cooperage Co. (All Sizes & Styles), Oil City, Pa.
Pressed Steel Products Co., Sharon, Pa.
Rush H. G. Cooperage Co. (Light Wooden), Oil City, Pa.
Scaife Wm. B. Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
**STANDARD PACKAGE CO. OF N. Y.**, 109 Broad, New York
Toledo Steel Barrel Co., Toledo, Ohio.

## 531-2—Barrels (Plating & Galvanizing)

Boissier Electric Co., 205 W 19th, New York
Klauder-Weldon Dyeing Machine Co. ("Acme," Oblique), Yardley, Pa.
L'Hommedieu Chas. F. & Sons Co. ("Reliance"), 24 S Clinton, Chicago, Ill.
Munning A. P. & Co. ("Nonesuch"), Matawan, N. J.
National Galvanizing & Plating Equip. Corp., 52 B'way, New York
Sievering Philip (Plating), 408 Broome, New York
U. S. Electro Galvanizing Co. (Automatic Self Emptying), 36 Stockton, Brooklyn, N. Y.

## 533— Barrels (Second-Hand)

Acme Barrel Co., 2235 W Grand av, Chicago, Ill.
Baltimore Cooperage Co., The, Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Bridgeport Barrel Co., Inc., 487 Main, Bridgeport, Conn.
Engel Bros., 1153 Center, Chicago, Ill.
Gerold Frank Co., 453 N Green, Chicago, Ill.
Heidt C. & Son, 64 Fairmount, Jersey City, N. J.
Hempstead John, Waterford, N. Y.
Kirk Joseph H. Co., 725 W 51st, Chicago, Ill.
McArdle & Co. (Dlrs. in Barrels of All Kinds, Brandy, Chemical Cider, Vinegar, Lard, Molasses & Syrup, Oil, Pickle, Pork, Turpentine, Whiskey, Gin, Wine & Wood Alcohol, also Half Barrels), 38th pl & Gage, U. S. Yards, Chicago, Ill.
Maguire Bros. Co. (Lime & Cement), 820 Girard av, New York
Martin Bros. Co., Toledo, O.
**STANDARD PACKAGE CO. OF N. Y.**, 109 Broad, New York

## 534—Barrels (Sheet Steel Shop)

See also Barrels, Steel Shipping

Butler Mfg. Co. (Welded Oil), Kansas City, Mo.
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Detroit Range Boiler & Steel Barrel Co., 619 24th, Detroit, Mich.
Draper Mfg. Co., 3603 E 82nd, Cleveland, O.

Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
**KOENIG EDWARD L.,** La Salle, nr Lake, Chicago, Ill. *See adv index at end of book*
Koven L. O. & Bro. (Also Half Barrels), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Kretchmer Mfg. Co., Council Bluffs, Ia.
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
Mossberg Frank Co. (With or Without Casters), Attleboro, Mass.
Ohio Corrugating Co., Warren, O.
Ohio Galvanizing & Mfg. Co., Niles, O.
**OHIO MFG. CO.** (Foundry & Truck Barrels), P O Box 136, Plainesville, O.
*See adv index at end of book*
Peoria Can Co. (For Sweeping Compounds, Coffee, Crackers, Powders of All Kinds, Plain or Decorated), Peoria, Ill.
Pressed Steel Tank Co. (Seamless), 58th & Greenfield av, Milwaukee, Wis.
S. F. K. Steel Barrel Co., 7930 Jones rd, Cleveland, O.
Toledo Steel Barrel Co. ("Bull Dog"), Toledo, Ohio
Welded Steel Barrel Corp. (Welded), Hart av & Charlevoix, Detroit, Mich.
Wilson, Andrew Co., 616 Essex, Lawrence, Mass. *See adv index at end of book*

## 535—Barrels (Steam Drying)

Austin Welding Works (Water), 555 W Quincy, Chicago, Ill.
Baird Machine Co. (Also Fanning Mills), Bridgeport, Conn.
**HENDERSON BROS. CO.,** 133 S Leonard, Waterbury, Conn.

## 536—Barrels (Steel Shipping)

See also Barrels, Sheet Steel Shop

American Steel Package Co., Defiance, O.
Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Butler Mfg. Co., 900 6th av, S E, Minneapolis, Minn.
Chambers, Bering Quinlan Co. (Binged, Light Slack), Decatur, Ill.
Cleveland Steel Barrel Co., 9612 Meech av, Cleveland, O.
Detroit Range Boiler & Steel Barrel Co. ("Perfect" Bilge Type), 619 24th, Detroit, Mich.
Draper Mfg. Co., 3603 E 82nd, Cleveland, Ohio
**FABRICATED STEEL PRODUCTS CORP,** Box 505, Lietonia, Ohio
*See adv index at end of book*
Hutchins Car Roofing Co. (Drums), Ford bldg, Detroit, Mich.
Hydraulic Pressed Steel Co. (Seamless Steel), 3152 E 61st, Cleveland, O.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Mahoning Steel Products Co., Warren, O.
Meurer Steel Barrel Co., Inc. ("Anchor"), 23 W 43rd, New York
Metal Barrel Co. ("Hercules Welded"), Galesburg, Ill.
Monarch Mfg. Co., Council Bluffs, Ia.
National Enameling & Stamping Co. ("Nesco" Welded, Painted or Galvanized), 411 5th av, New York
National Steel Barrel Co., Cleveland, Ohio
Ohio Corrugating Co., Warren, Ohio
Ohio Mfg. Co., P O Box 136, Plainesville, O.
*See adv index at end of book*
Peoria Can Co., Peoria, Ill.
Pressed Steel Products Co. ("G-E-M," Steel Bilge Type), Sharon, Pa.
Pressed Steel Tank Co. (Seamless Pressed), 58th & Greenfield av, Milwaukee, Wis.
St. Louis Steel Barrel Corp'n, B'way, Benton & 9th, St. Louis, Mo.
Steel Barrel Co. of Am., 29 B'way, New York
S. F. K. Steel Barrel Co., 7930 Jones rd, Cleveland, O.
**SCAIFE, WM. B. & SONS CO.,** First Natl. Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
*See adv index at end of book*
**STANDARD PACKAGE CO. OF N. Y.,** 109 Broad, New York
Toledo Steel Barrel Co. ("Bull Dog"), Toledo, Ohio
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
Whitaker-Glessner Co., Portsmouth, Ohio
Wilson Andrew Co., 616 Essex, Lawrence, Mass. *See adv index at end of book*
Wilson & Bennett Mfg. Co. (Plain Steel or Galvanized), 65th pl & S. Menard av, Chicago, Ill.

## 537—Barrels (Steel, Tin Lined)

Meurer Steel Barrel Co., Inc. ("Anchor"), 23 W 43rd, New York
Trageser John Steam Copper Works (Block Tin Lined for Lacquers, etc), 447 W 26th, New York

## 537a— *Barrels (Tack)

**BOGERT & HOPPER, INC.** (Wood Miniature), 57 Barclay, New York
*See adv index at end of book*
**ESTES E. B. & SONS,** (Wood Miniature), 364 5th av, New York.
*See adv index at end of book*

## 538—Barrels (Tumbling or Rumbling)

See also Mills, Tumbling; also Mills, Water Cinder; also Mills, Exhaust Tumbling
**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
**ABBOTT BALL CO.** ("Abbott," Steel Ball Process), Elmwood Station, Hartford, Conn. *See adv index at end of book*


Let the
ABBOTT
(Patented)
Burnishing Barrell

Burnish and Polish all your small metal parts by the Abbott Wholesale way

One of our Barrels with Special Steel Balls will finish a bushel at a load

*No experienced operators necessary*

*Complete equipments furnished*

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Elmwood Station
Hartford, Ct.

*Write for catalog and particulars*


Baird Machine Co. ("Baird" Oblique Tilting, Dry, Wet & Steam Drying, etc), Bridgeport, Conn.
Baltimore Cooperage Co., The, cor. Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Barnett Oscar Foundry Co. ("Barnott's" Hexagon), Irvington, N. J.
Brass Founders Supply Co. (Tilting, Oblique Tumbers for Brass Fdrs., also Dry & Wet Tumblers), Wilson av, Newark, N. J.
Falls Clutch & Machinery Co. (Foundry), Cuyahoga Falls, O.
Foundry Equipment Co., 1833 Columbus Rd, Cleveland, O.
Globe Machine & Stamping Co., ("Globe" Tilting; also Horizontal), 1250 W 76th, Cleveland, O.
**HENDERSON BROS. CO.** (Tumbling All Kinds), 133 S Leonard, Waterbury, Conn.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
L'Hommedieu Chas. F. & Sons Co., 24 S Clinton, Chicago, Ill.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Middleditch Benj. (Tilting), Detroit, Mich.
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
Peckham Mfg. Co. (For Dry Tumbling), 244 South, Newark, N. J.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Royersford Foundry & Machine Co., Royersford, Pa.
Sievering Philip (Tumbling), 403 Broome, New York
Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.
Standard Machinery Co., Providence, R. I.
Tilghman-Brooksbank Sand Blast Co. ("Tilghmann" & "Matthewson"), 1126 S 11th, Philadelphia, Pa.
Vaughn Machinery Co. (Chain & Nail, Nail Rattlers), Cuyahoga Falls, O.
*See adv index at end of book*
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

## 539—Barrels (Tumbling, Sand Blast)

Betton J. M. ("Druckleb"), 59 Pearl, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rich Foundry Equipment Co., 2528 W. 48th st, Chicago, Ill.
**STANDARD EQUIPMENT CO.** ("Standard" Rolling), 184 Church, New Haven, Conn.

## 540— Barrels (Tumbling, Steel Ball)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
**ABBOTT BALL CO.** ("Abbott" for Burnishing & Polishing), Elmwood Station, Hartford, Conn.
*See adv index at end of book*
Globe Machine & Stamping Co. ("Globe" for Burnishing), 1250 W 76th, Cleveland, O.

## 541—Barrels (Wire Thrashing)

Farrel Foundry & Machine Co., Ansonia, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## 542—*Barrels (Wood, Miniature)

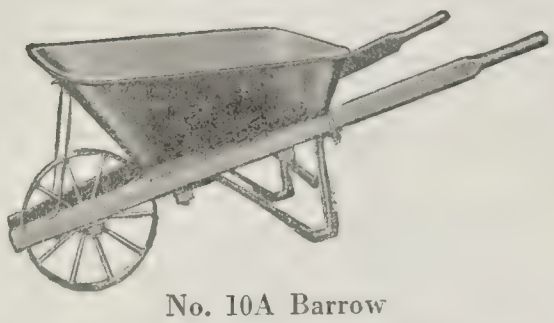
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

## 543— Barrels (Working)

Aldrich Pump Co., Allentown, Pa.
*See adv index at end of book*
American Well Works, Aurora, Ill.
*See adv index at end of book*
Cook August D., Lawrenceburg, Ind.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

# There Is A Correct Type Of "Sterling" For Every Wheelbarrow Job

No. 6A Barrow

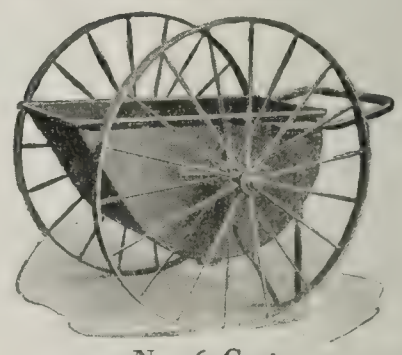


No. 10A Barrow

Wheelbarrows for

Brick
Concrete
Mortar
Coal
Coke
Castings
Sand
Charging
Cores
Pig Metal
Cement Bags
Bottom Boards

No. 17 Barrow



No. 6 Cart

The Line Includes Only High Grade Wheelbarrows, Either Steel Tray or All Steel Construction. Ask for Catalogue Descriptive of Our Wheelbarrows, Concrete Carts and Column Clamps

**Sterling Wheelbarrow Co., West Allis, Wis.**


BARRELS (WORKING)—continued

Deming Co., Salem, Ohio
*See adv index at end of book*
Goulds Mfg. Co., Seneca Falls, N. Y.
*See adv index at end of book*
**Hough Chas. N. Mfg. Co. (Cast Iron, Seamless, Cold Drawn Steel & Seamless Brass), Franklin, Pa.**
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Luitwieler Pumping Engine Co., Rochester, N. Y.
**McDonald A. Y Mfg. Co., Dubuque, Ia.**
McGregor Working Barrel Co., Bradford, Pa.
Myers F. E. & Bro. (Power & Hand), 900 Fourth, Ashland, Ohio
*See adv index at end of book*
**National Tube Co., Frick bldg, Pittsburgh, Pa.**
**Producers Supply Co., Franklin, Pa.**

## 543a—Barriers (Stone, for Electrical Power & Sub Stations)

Alberene Stone Co., 223 E 23rd, New York
Euclid Stone & Brick Co., Cleveland, O.

## 544—Barrows (Baggage & Express)

Clark Geo. P. Co., Windsor Locks, Conn.
Fairbanks Co., 416 Broome, New York
*For branch houses see Alphabetical Section*
Fischer, Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Howe Scale Co., Rutland, Vt.**
Jackson Mfg. Co. (Express Only), 4th & Boyd, Harrisburg, Pa.
**Kalamazoo Railway Supply Co., Kalamazoo, Mich.**
**KILBOURNE & JACOBS MFG. CO.**, Columbus, O. *See adv index at end of book*
**STANDARD THE SCALE AND SUPPLY CO.** (Coke Foundry), 1631 Liberty av, Pittsburg, Pa. *See adv index at end of book*

## 545— Barrows (Brick)

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Anderson Fdy. & Machine Works, Anderson, Ind.
**Ashboro Wheelbarrow Co., Ashboro, N. C.**
**Bryan Mfg. Co. (Steel Frame), P. O. Box D, Bryan, O.**
**Chattanooga Wheelbarrow Co., Chattanooga, Tenn.**
Fairbanks Co., 416 Broome, New York.
Freese E. M. & Co., Galion, O.
**International Clay Machinery Co., Dayton, O.**
Jackson Mfg. Co., Harrisburg, Pa.
**KILBOURNE & JACOBS MFG. CO.** (Steel & Wooden), Columbus, O.
*See adv index at end of book*
**Phillips, Doup & Co. ("National") 60 Pearl, Brooklyn, N. Y.**
**Potts C. & A. & Co., 816 W Wash av., Indianapolis, Ind.**
**Puffer-Hubbard Mfg. Co., 32nd av, S & 26th, Minneapolis, Minn.**
**STERLING WHEELBARROW CO.** ("Sterling"), West Allis, Wis.
*See adv index at end of book*
**Toledo Wheelbarrow Co. ("Bull Frog"). 2400 B'way, Toledo, O.**
**Wellington Machine Co., Wellington, O.**

## Barrows (Charging)

See Barrows, Furnace Charging

## 546— Barrows (Coke)

Akron Cultivator Co. (Steel), Akron, O.
American Steel Scraper Co., Sidney, O.
Atlas Car & Mfg. Co., Cleveland, O.
***See adv index at end of book***
Bryan Mfg. Co., P O Box D, Bryan, O.
**Chattanooga Wheelbarrow Co., Chattanooga, Tenn.**
Connellsville Iron Works ("Connellsville" Steel Angle), Connellsville, Pa.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Fairbanks Co., 416 Broome, New York.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*
McWhinnie Thos., Poughkeepsie, N. Y.
Phillips, Doupe & Co. ("National"), 60 Pearl, Brooklyn, N. Y.
Puffer-Hubbard Mfg. Co., 32d av S & 26th, Minneapolis, Minn.
Sidney Steel Scraper Co. ("Haslup"), Sidney, O.
Sterling Wheelbarrow Co., West Allis, Wis.
*See adv index at end of book*
**Weimer Machine Works Co. (Standard Large Square, etc), Lebanon, Pa.**

## 547—Barrows (Concrete & Mortar)

See also Carts, Concrete

Akron Cultivator Co., Akron, O.
American Steel Scraper Co. ("Crown Regal"), Sidney, O.
**Ashboro Wheelbarrow Co., Ashboro, N. C.**
**Biehl Iron Works, Inc., Reading, Pa.**
**Bryan Mfg. Co., P O Box D, Bryan, O.**
**Chattanooga Wheelbarrow Co. ("Chattanooga"), Chattanooga, Tenn.**
Fairbanks Co., 416 Broome, New York


**Hendricks' Commercial Register**

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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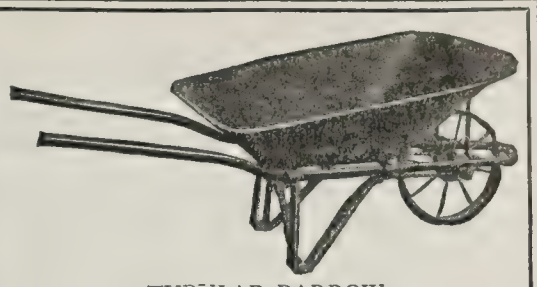
# JACKSON Wheelbarrows Are Dependable



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**JACKSON MANUFACTURING CO., Harrisburg, Pa.**


Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

**JACKSON MFG. CO.**, 4th & Boyd, Harrisburg, Pa.
*See adv index at end of book*

Kilbourne & Jacobs Mfg. Co. ("Columbus"), Columbus, O.
***See adv index at end of book***

McWhinnie Thos., Poughkeepsie, N. Y.

Ohio Ceramic Engineering Co., Berea rd, Cleveland, O.

Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.

Puffer-Hubbard Mfg. Co. (Steel Tray, Steel Wheels, Wood Handles), 32d av S & 26th, Minneapolis, Minn.

Ransome Leach Machinery Co. (Steel), 115 B'way, New York

Sidney Steel Scraper Co. ("U. S."), Sidney, O.

Smith T. L. Co. ("Smith"), 1151 32nd, Milwaukee, Wis.

Standard The Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.

**STERLING WHEELBARROW CO.** ("Ajax," "Eureka," Self-Lubricating), West Allis, Wis.

Syracuse Chilled-Plow Co., Syracuse, N. Y.

Toledo Wheelbarrow Co. ("Bull Frog" Steel Tray), 2400 B'way, Toledo, O.

## Barrows (Contractors')

See Barrows, Various Kinds

## 548—Barrows (Folding, Steel Frame)

Bryan Mfg. Co., P. O. Box D, Bryan, O.

## 549— Barrows (Foundry)

See also Barrows, Furnace Chargings

Akron Cultivator Co., Akron, O.

American Steel Scraper Co., Sidney, O.

Biehl Iron Works, Inc., Reading, Pa.

Bryan Mfg. Co., P. O. Box D, Bryan, O.

Chattanooga Wheelbarrow Co, Chattanooga, Tenn.

Dopp J. W. & Co. (Dealers), 18 W. Columbia, Detroit, Mich.

Fairbanks Co., 416 Broome, New York

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.

Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*

McWhinnie Thos., Poughkeepsie, N. Y.

Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.

Sidney Steel Scraper Co., Sidney, O.

Standard The Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

**STERLING WHEELBARROW CO.** ("Sterling" All Steel Tubular Frame), West Allis, Wis. *See adv index at end of book*

Syracuse Chilled Plow Co. (Steel Tray, Tubular), Syracuse, N. Y.

Toledo Wheelbarrow Co ("Bull Frog") 2400 B'way, Toledo, O.

## 550—Barrows (Furnace Charging)

Akron Cultivator Co. (Automatic Dump), Akron, O.

Archer Iron Works, 2436 W 34th pl, Chicago, Ill.

Consolidated Iron Works, Hoboken, N. J.

Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*

Fairbanks Co., 416 Broome, New York

Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.

**JACKSON MFG. CO.**, 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*

**KILBOURNE & JACOBS MFG. CO.**, Columbus, O. *See adv index at end of book*

Penn Fdry. & Mfg. Co., Reading, Pa.

Petty J. K. & Co. (Lebanon Boiler Wks), (With Failers Axles), Stephen Girard bldg, Philadelphia, Pa.; Works: Lebanon, Pa.

Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.

Sidney Steel Scraper Co., Sidney, O.

**STERLING WHEELBARROW CO.**, West Allis, Wis. *See adv index at end of book*

**STUEBNER G. L. IRON WORKS**, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*

Syracuse Chilled Plow Co., Syracuse, N. Y.

Watt Mining Car Wheel Co., Barnesville, Ohio

Weimer Machine Works Co., Lebanon, Pa.

## 551— Barrows (Garden)

American Steel Scraper Co., Sidney, O.

Ashboro Wheelbarrow Co., Ashboro, N. C.

Bryan Mfg. Co., P. O. Box D, Bryan, O.

Chattanooga Wheelbarrow Co. ("Golden Rod," "Dixie Queen"), Chattanooga, Tenn.

Fairbanks Co., 416 Broome, New York

Harrison W. R. & Co., Massillon, O.

**KILBOURNE & JACOBS MFG. CO.** ("Victor," etc.), Columbus, O.
*See adv index at end of book*

McWhinnie Thos. ("Hudson River," "Dutchess," "New 1903 Metropolitan"), Poughkeepsie, N. Y.

Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.

Puffer-Hubbard Mfg. Co. ("American"), 32d av & S 26th, Minneapolis, Minn.

Ross Bros. Co. ("Nuway"), 90 Front, Worcester, Mass.

Sidney Steel Scraper Co. ("U. S."), Sidney, O.

Sterling Wheelbarrow Co., Milwaukee, Wis.

Syracuse Chilled Plow Co., Syracuse, N. Y.

Tanner D. F., Holland, N. Y.

Toledo Wheelbarrow Co. ("Toledo Clipper," etc), 2400 B'way, Toledo, O.

## 551a— Barrows (Hand)

Jackson Mfg. Co. (Steel), 4th & Boyd, Harrisburg, Pa.
*See adv index at end of book*

Syracuse Chilled Plow Co., Syracuse, N. Y.

## 552—Barrows (Locomotive Coal Station)

Akron Cultivator Co., Akron, O.

Archer Iron Works, 2436 W 34th pl, Chicago, Ill.

Bryan Mfg. Co., P. O. Box D, Bryan, O.

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*

Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*

Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O. *See adv index at end of book*

## 553—Barrows (Ore & Pig Iron)

Akron Cultivator Co., Akron, O.

American Steel Scraper Co., Sidney, O.

Atlas Car & Mfg. Co., Cleveland, O.
***See adv index at end of book***

Biehl Iron Works, Inc., Reading, Pa.

Bryan Mfg. Co., P. O. Box D, Bryan, O.

Chattanooga Wheelbarrow Co., Chattanooga, Tenn.

Fairbanks Co., 416 Broome, New York

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
***See adv index at end of book***

Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.

Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*

Kilbourne & Jacobs Mfg. Co. (Bolted), Columbus, O. *See adv index at end of book*

Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.

Puffer-Hubbard Mfg. Co., 32d av S & 26th, Minneapolis, Minn.

Sidney Steel Scraper Co. ("Haslup"), Sidney, O.

**STERLING WHEELBARROW CO.**, West Allis, Wis. *See adv index at end of book*

Syracuse Chilled Plow Co. (Steel Tray Tubular), Syracuse, N. Y.

## 554— Barrows (Steel Tray)

Akron Cultivator Co., Akron, O.

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*

American Steel Scraper Co., Sidney, O.

Ashboro Wheelbarrow Co., Ashboro, N. C.

Babcock Mfg. Co. ("Otsego"), Leonardsville, N. Y.

Bryan Mfg. Co., P. O. Box D, Bryan, O.

Chattanooga Wheelbarrow Co., Chattanooga, Tenn.

Chicago Builders' Specialties Co., 11 So La Salle, Chicago, Ill.

Conner J. W. & Son ("Favarit"), Orangeville, Pa.

Eagle Machine Co., Lancaster, O.

Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.

Fox Bros. & Co., 126 Lafayette, New York

Havana Metal Wheel Co., Havana, Ill.

**JACKSON MFG. CO.**, 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*

Kalamazoo Railway Supply Co., Kalamazoo, Mich.

Kilbourne & Jacobs Mfg. Co., Columbus, O.

Lansing Co., Lansing, Mich.

Miller E. S., Stanwood, O.

Miller & Coulson ("Long" Self-Dumping), Diamond Bank bldg, Pittsburgh, Pa.

New York Wheelbarrow Wks, 180 West, New York

Nissen Geo. E. & Co., Winston-Salem, N. C.

Puffer-Hubbard Mfg. Co., 32d av S & 26th, Minneapolis, Minn.

Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.

BARROWS (STEEL TRAY)—continued
**Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.**
**Sellers Edward, Oak Hall Station, Pa.**
Sidney Steel Scraper Co. ("Haslup"), Sidney, Ohio
**Standard Mfg. Co., 41 Cortlandt, New York**
Steel Basket Co. (For Coal), Cedar Rapids, Ia.
**STERLING WHEELBARROW CO.**, West Allis, Wis. *See adv index at end of book*
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog"), 2400 B'way, Toledo, O.

## 555—Barrows (Steel Tubular, Etc.)

Akron Cultivator Co., Akron, O.
American Steel Scraper Co. (Solid Pressed Steel), Sidney, O.
Biehl Iron Works, Inc., Reading, Pa.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Consolidated Iron Works, Hoboken, N. J.
Fairbanks Co. (Iron & Steel), 416 Broome, New York
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Fox Bros. & Co., 126 Lafayette, New York
**JACKSON MFG. CO.** (Pressed Frames), 4th & Boyd, Harrisburg, Pa.
*See adv index at end of book*
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
**Phillips, Doup & Co. ("National," "Ideal," "Perfect"), 60 Pearl, Brooklyn, N. Y.**
**Puffer-Hubbard Mfg. Co., 32nd av S & 26th, Minneapolis, Minn.**
Sidney Steel Scraper Co. ("Haslup," "U. S," & "Burro) drop frame Solid Pressed Steel), Sidney, O.
Steel Basket Co., Cedar Rapids, Ia.
**STERLING WHEELBARROW CO.** (Self Lubricating Wheels), West Allis, Wis.
*See adv index at end of book*
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog" & "Buckeye"), 2400 B'way, Toledo, O.
**Western Iron Works, 141 Beale, San Francisco, Cal.**

## 556— Barrows (Stone)

Akron Cultivator Co., Akron, O.
**American Steel Scraper Co. (Steel Bottom, Wood Frame), Sidney, O.**
**Ashboro Wheelbarrow Co., Ashboro, N. C.**
Bryan Mfg. Co., P. O. Box D, Bryan, O.
**Chattanooga Wheelbarrow Co., Chattanooga, Tenn.**
Fairbanks Co., 416 Broome, New York
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Wood, Steel, also Steel Bottom), Columbus, O.
*See adv index at end of book*
**McWhinnie Thos., Poughkeepsie, N. Y.**
Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.
Puffer-Hubbard Mfg. Co., 32nd av S & 26th, Minneapolis, Minn.
Sidney Steel Scraper Co. ("Haslup," "U. S." & "Sidney" Steel Bottom), Sidney, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog"), 2400 B'way, Toledo, O.

## 557— Barrows (Track)

American Track Barrow Co., Lowell, Mass.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 558— Barrows (Wooden)

American Steel Scraper Co., Sidney, O.
**Ames Plow Co., Quincy Hall, Boston, Mass.**
**Ashboro Wheelbarrow Co., Ashboro, N. C.**
Babcock Mfg. Co. ("Otsego"), Leonardsville, N. Y.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
**Buch's A. Sons Co., Elizabethtown, Pa.**
Chattanooga Wheelbarrow Co. ("Eureka," "Hamilton," "Chattanooga," "Tennessee"), Chattanooga, Tenn.
**Chicago Builders' Specialties Co., 11 So La Salle, Chicago, Ill.**
Defiance Box Co., Defiance, O.
Fairbanks Co., 416 Broome, New York
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fox Bros. & Co., 126 Lafayette, New York
Harrison W. R. & Co., Massillon, O.
Jordan Wheelbarrow Co., Jordan, N. Y.
**KILBOURNE & JACOBS MFG. CO.**, Columbus, O. *See adv index at end of book*
McWhinnie Thomas, Poughkeepsie, N. Y.
Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.
Miller E. S., Stanwood, O.
N. Y. Wheelbarrow Wks, 180 West, New York
Nissen Geo. E. & Co., Winston-Salem, N. C.
Patterson Mfg. Co., Holly, Mich.
Prescott Frank R. ("Peerless," "Victor," "Eureka," "Canal"), Meredith, N. H.
Puffer-Hubbard Mfg. Co., 32nd av S & 26th, Minneapolis, Minn.
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.
Standard Mfg. Co., 41 Cortlandt, New York
Sterling Wheelbarrow Co., Milwaukee, Wis.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog"), 2400 B'way, Toledo, O.
Union Mfg. & Lumber Co., Northville, Mich.

## 559— Bars (Angle)

**Bethlehem Steel Co., So. Bethlehem, Pa.**
Braun J. G., 609 S Paulina, Chicago, Ill.
**Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.**
Colorado Fuel & Iron Co., Denver, Colo.
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**Illinois Steel Co., 208 S La Salle, Chicago, Ill.**
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**Jones & Laughlin Steel Co. (Hot & Cold-Rolled), Ross, Pittsburgh, Pa.**
Lackawanna Steel Co., Buffalo, N. Y.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Logan Iron & Steel Co., Gerard bl., Phila., Pa.
Pardee C. Works, Perth Amboy, N. J.
Ryerson Joseph T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
Witherow Steel Co., Keystone bldg, Pittsburgh, Pa.

## 560— Bars (Arch)

American Bridge Co., 30 Church, New York
**Bethlehem Steel Co., So. Bethlehem, Pa.**
**Carnegie Steel Co., Carnegie bldg, Pittsburg, Pa.**
Fort Wayne Iron Steel Rolling Mills, W. Taylor, Ft. Wayne, Ind.
*See adv index at end of book*

ARCH BARS AND R. R. SPECIFICATION IRON
Fort Wayne Iron Steel Rolling Mills
West Taylor St., Fort Wayne, Ind.

Los Angeles Fdry. Co., Los Angeles, Cal.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Screw Co., Clarence & Bulwer, St. Louis, Mo.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Valley Forging Co., Verona, Pa.
Western Steel Car & Foundry Co., 122 S Michigan av, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.

## 561— Bars (Boring)

See also Cylinder Boring Machines
Diamond Specialty & Supply Co. ("Steinbrunn" Expansion for Car Wheels), 1225 Arch, Phila., Pa.
**ELMES CHAS. F. ENGINEERING Works, (Inc.), Cor Fulton & Sangamon, Chicago, Ill.** *See adv index at end of book*
Gisholt Machine Co. (Adjustable Cutters, & Solid Cutters), Madison, Wis.
Kelly Reamer Co., 1553 Columbus rd, Cleveland, O.
Pedrick Tool & Mch. Co. (For Cylinders), 3642 N Laurence, Phila., Pa.
**Rooksby E. J. & Co., 435 N 11th, Phila., Pa.**
Ryerson Joseph T. & Son, 916 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Skelton Tool Co., Inc., 406 E Ash, Syracuse, N. Y.
Underwood H. B. & Co., 1025 Hamilton, Phila., Pa.
Union Tool Co. ("Hill"), Orange, Mass.
Universal Boring Machine Co., Hudson, Mass.
Wellman Co. (Extension), Medford, Mass.
Williams J. H. Co. ("Agrippa" Plain & Sleeve), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 561a—Bars (Brass & Bronze)

Bridgeport Rolling Mills, Inc., Bridgeport, Conn.
Chase Metal Works, Waterbury, Conn.
Chase Rolling Mill Co., Waterbury, Pa.
Connecticut Brass & Mfg. Corp. (Brass), West Chester, Conn.
Martin & Anson Co., 2226 Indian av, Chicago, Ill.
**MIDWEST BRASS & COPPER CO., INC.,** 480 Broome, New York
*See adv index at end of book*
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*

## 562— Bars (Capstan)

Anchor Saw Mills Co., Memphis, Tenn.
Chase Metal Works, Waterbury, Conn.
**New York Boat Oar Co., 69 West, New York**
Ransome Concrete Machinery Co., Dunellen, N. J.

## 563— Bars (Carpenters', Etc.)

American Logging Tool Co., Evart, Mich.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Beall Bros., Inc., Alton, Ill.
Bonner Drop Forge Co., 111 W. Washington av, Chicago
**Cincinnati Tool Co., Norwood, Cincinnati, O.** *See adv index at end of book*
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**Kraeuter & Co., 583 18th av, Newark, N. J.**
Marshalltown Trowel Co., Marshalltown, Ia.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
**Stanley Rule & Level Co. (Altha Division), New Britain, Conn.**
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av., Cleveland, O.
**Warner Hammer Co., Cromwell, Conn.**
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## Bars (Claw)

See Crowbar Mfrs.

## 563a— *Bars (Casket)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 564— Bars (Clothes)

See also Bars, Towel
Combination Ladder Co., 366 Fountain, Providence, R. I.

Eclipse Co., North Girard, Pa.
Gem Mfg. Co., North Girard, Pa.
Geneva Mfg. Co., Geneva, Ill.
**Hopkins Frank & Co., North Girard, Pa.**
**Hopkins L. Mfg. Co., North Girard, Pa.**
Martcross Co., 202 N Wabash av, Chicago, Ill.
Moulton C. W. H. Co., Somerville, Mass.
Penn Mfg. Co., North Girard, Pa.
Steinfeld Bros., 116 W 32nd, New York
Stevenson Mfg. Co. (Drying, Wooden), South Bend, Ind.
*See adv index at end of book*
Stokes Wm. A. & Co., 50 Howard, New York
Young Bros. Co., Worcester, Mass.

## 565— Bars (Commutator)

See also Commutators

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
Billings & Spencer Co. (Pure Copper Dropped Forged), Hartford, Conn.
Bissell F. Co. (Segments), Toledo, Ohio
Buckeye Tempered Copper & Brass Co., Mansfield, O.
Cameron Electric Mfg. Co. (Segments & Assembled Commutators), Ansonia, Conn.
**CHICAGO MICA CO.** (Mica Segments), Valparaiso, Ind.
*See adv index at end of book*
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Commutator Co., 121 N 1st, Minneapolis, Minn.
Electric Materials Co., North East, Pa.
Eureka Co., North East, Pa.
Homer Commutator Co., 4748 Hough av, N E, Cleveland, O.
Jefferson Brass Foundry, 209 King, Brooklyn, N. Y.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Philadelphia Electrical & Mfg. Co. ("Pemco" Copper Segments), 1236 N 31st, Phila., Pa.
Rome Brass & Copper Co. (Drawn Copper), Rome, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 565a— *Bars (Copper)

Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

## Bars (Crow)

See Crowbar Mfrs.

## Bars (Digging)

See Crowbar Mfrs.

## 566— Bars (Draw)

Pittsburgh Forge & Iron Co., Chamber of Com. bldg, Pittsburgh, Pa.
Pratt & Letchworth Co., Buffalo, N. Y.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 567— Bars (Extension)

Bettcher Stamping & Mfg. Co., 6120 Clark av, S. W., Cleveland, O.
*See adv index at end of book*
Crawford Co., 846 S Canal, Chicago, Ill.
Frost C. L. & Son (Chifforobe), Grand Rapids, Mich.
Grabler Mfg. Co., 6565 B'way, Cleveland, O.
Skinner M. B. & Co. ("Handi Hanger"), 562 W Washington, Chicago, Ill.

## 568— Bars (Eye)

American Bridge Co., 30 Church, New York
Bonney Vise & Tool Wks, Inc, Allentown, Pa., *See adv index at end of book*
Meehan Boiler & Construction Co. (Upset), Lowellville, O.
Phoenix Iron Co. (Upset), 22 S 15th, Phila., Pa.; Mills: Phoenixville, Pa.

## 569— Bars (Finger)

Cambria Steel Co. (Cold Rolled & Cold Harvester Steel), Widener bldg, Phila., Pa.

## 570—Bars (Gold & Silver Platers')

Riverside Metal Co., Riverside, N. J.

## 570a— Bars (Grate)

Stowell Co., S. Milwaukee, Wis.

## 571— Bars (Grizzly)

Alloy Steel Forging Co., Carnegie, Pa.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Robins Conveying Belt Co., 13 Ann, New York
*See adv index at end of book*

## 571a— *Bars (Hammock)

Estes E. B. & Sons, 64 5th av, New York
*See adv index at end of book*

## 572— Bars (Handle)

(For Bicycles, Motor Cycles, etc.)
American Skate & Mfg. Co. ("Rollfast"), Reading, Pa.
Chicago Handle Bar Co., Shelby, O.
Reading Cycle Mfg. Co., Reading, Pa.
Standard Parts Co. (Bicycle & Motorcycle), Cleveland, O.

## 573— Bars (Hop & Post)

Munnsville Plow Co., Munnsville, N. Y.

## 574— Bars (Iron & Steel)

(See Also Iron Bar Mills)

Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Columbia Steel Co., 503 Market, San Francisco, Cal.
Danville Iron & Steel Co., Danville, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**FISHEL & MARKS CO.,** ft of Krakow av, Cleveland, Ohio
*See adv index at end of book*
Froment & Co., 150 Bank, New York
**FULLER STEEL & IRON CO.,** Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Latshaw Steel & Metal Products Co., 220 B'way, New York
Pollak & Co. (Hammered for Locomotive Repairs), Cincinnati, Ohio
Standard Steel & Wire Co., 549 West Washington blvd, Chicago, Ill.
*See adv index at end of book*
Stolz Jos. & Son, Inc. (Steel), 841 E 136th, New York
United Alloy Steel Corp., Canton, O.
*See adv index at end of book*
**VEITHARDT STEEL & METAL CORP'N** (Concrete Reinforcing Bars), 15 Park row, New York

## Bars (Lining & Tamping)

See Crowbar Mfrs.

## 575—Bars (Low Phosphorus Melting)

Carter Iron Co., 307 5th av, Pittsburgh, Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Metal Products & Supply Co., 1224-30, Washington, Phila, Pa.
**SAMUEL FRANK** ("American Swedo" Iron), Harrison bldg, Philadelphia, Pa.
*See adv index at end of book*

## 575a— Bars (Merchant Steel)

Erie Iron & Steel Co., Erie, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Fort Wayne Iron Steel Rolling Mills, W. Taylor, Ft. Wayne, Ind.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Luken Steel Co., Coatesville, Pa.
United Alloy Steel Corp., Canton, O.
*See adv index at end of book*
**YOUNGSTOWN SHEET & TUBE CO.** ("Youngstown"), (Rounds & Squares, Angles, Flats), Youngstown, O.

## Bars (Mine Spike)

See Crowbar Mfrs.

## 576— Bars (Mower Cutter)

Herschel R. Mfg. Co., Peoria, Ill.

## 577— Bars (Pinch)

**See also Car Movers or Pushers Lead.**

American Logging Tool Co., Evart, Mich.
Beall Bros. (Inc.), Alton, Ill.
Braunsdorf-Mueller Co. (Bricklayers'), Elizabeth, N. J.
Buffum Tool Co. ("Swastika," Packing House, Cane Shaped, Midget, etc.), South Side, Louisiana, Mo.
**Cincinnati Tool Co., Norwood, Cincinnati, O.** *See adv index at end of book*
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hardsocg Mfg. Co. (Miners), Ottumwa, Ia.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Valley Forging Co., Verona, Pa.
Verona Tool Works (Locomotive), Oliver bldg, Pittsburgh, Pa., & Verona, Pa.
Warwood Tool Co. (Coal Miners, etc), Warwood, Wheeling, W. Va.
Webster Mfg. Co. ("Sheldon"), 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
What Cheer Tool Co. ("What Cheer" Solid Steel"), What Cheer, Ia.

## 578— Bars (Push)

Champion Hardware Co. ("Champion"), Geneva, O.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Sargent & Co., New Haven, Conn.

## 579— Bars (Quarry)

Brunner & Lay (from 100 to 500 lbs.), 570 W Polk, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York.
*See adv index at end of book*
Stanley Rule & Level Coo (Atha Division), New Britain, Conn.
Sullivan Machinery Co., Peoples Gas bldg, Chicago, Ill.

## Bars (Reinforcing)

See Concrete Reinforcing Bars, Iron & Steel

## Bars (Ripping)

See Bars, Carpenters', Etc.

## 580— Bars (Shackle)

Verona Tool Works, Oliver bldg, Pittsburgh, Pa.

## 581— Bars (Shaft)

Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*

## 582— Bars (Shutter)

Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Corbin P. & F., New Britain, Conn.
Norwalk Lock Co., S Norwalk, Conn.
Penn Hardware Co., Reading, Pa.
Peters Jas. & Son (Fire Shutter Bars, Wrought Iron), 1934 N Front, Phila., Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS** (Wrought steel), New Britain, Conn.
*See adv index at end of book*

## 583— Bars (Splice)

See also Braces, Rail

Ames W. & Co. (Rail), Communipaw av, Jersey City, N. J.
*See adv index at end of book*
**Bethlehem Steel Co., So. Bethlehem, Pa.**
Buckeye Rolling Mill Co., Steubenville, O. & Newark, O.

Cambria Steel Co., Widener bldg, Phila., Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Gulf States Steel Co., Birmingham, Ala.
Illinois Steel Co., 208 S La Salle, Chicago Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Knoxville Iron Co. (For Small Rails), Knoxville, Tenn.
Lackawanna Steel Co., Buffalo, N. Y.
Pittsburgh Forge & Iron Co., Chamber of Com. bldg., Pittsburgh, Pa.
Sellers Mfg. Co. (Iron; also Sansom Bars), 332 S Michigan av, Chicago, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Sweets Steel Co., Williamsport, Pa.
Tredegar Co., ft. of 5th, Richmond, Va.

## 583a— *Bars (Spool)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 583b— Bars (Steel)

Brown & Co., 10th & Duquesne way, Pittsburgh, Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

## 584— Bars (Swage)

Disston Henry & Sons (Inc.), Tacony, Phila., Pa.

## 585-6— Bars (Tamp, Mining)

Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.

## 587— Bars (Towel)

Acme Specialty Mfg. Co., Toledo, Ohio
American Ring Co., Waterbury, Conn.
Bache Semon & Co. (Imp Glass), 636 Greenwich, New York
Boston Mirror Co. (Crystal), 69 Sudbury, Boston, Mass.
Bridgeport Wire Goods Co., East Port Chester, Conn.
Cassady, Fairbank Mfg. Co., 6126 La Salle, Chicago, Ill.
Church C. F. Mfg. Co., Holyoke, Mass.
Cline L. Mfg. Co., 1239 S Wabash av, Chicago, Ill.
Columbus Brass Co. ("Columbus"), 538 Dublin av, Columbus, O.
*See adv index at end of book*
Eclipse Co. ("Eclipse", "Eureka" Sleeve, etc), North Girard, Pa.
Ester E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Eustis J. P. Mfg. Co. ("Brasscrafters," Glass & Metal), Cambridge, Mass.
Fanner Mfg. Co. (Metal), Cleveland, O.
Forsyth Metal Goods Co., E Aurora, N. Y.
Garden City Plating & Mfg. Co. ("Kutztown"), 1430 S Talman av, Chicago, Ill.
Graham & Berwin (Glass), 107 Lafayette, New York
Novelty Mfg. Co. (Brass, Glass & Extension), Waterbury, Conn.
Parker Charles Co., Meriden, Conn.
Res Mfg. Co. ("Res" Roller, etc, Nickel Plated & Polished), 2907 Meinecke av, Milwaukee, Wis.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Superior Brass Novelty Co. (Brass), 545 E 116th, New York
Taplin Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Van Houten E. J. S. (White Opal), 96 Park pl, New York

## Bars (Transom)

See Metallic Sash Bars

## 588— Bars (Trapeze)

Hellenberg J. B. Co. (Also Horizontal & Doorway Bars & Indoor Wood Sporting Goods), Coldwater, Mich.

## 589— *Bars (Wood)

ESTES E. B. & SONS (Casket, Hammock, Spool, Towel, etc), 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## Bars (Wrecking)

See Bars, Carpenters', Etc

## 590— Bars (Yellow Metal)

Taunton-New Bedford Copper Co., Taunton, Mass.

## 591— Barytes

See also Carbonate of Barytes

Barbour Chemical Works, 354 Pine, San Francisco, Calif.
Carolina Barytes Co. (Miners & Millers), 101 Park av, New York
CHRYSTAL CHARLES B. (Importers), 13 Cliff, New York
*See adv index at end of book*
Clark & Daniels, Inc. (Imp.), 250 Front, New York
Coulston J. W. & Co. (Imported), 80 Maiden Lane, New York
Doggett Stanley, 11 Cliff, New York
Drakenfeld B. F. & Co. (Carbonate, Chromate & Sulphate, Imp), 50 Murray, New York
Dunn & Kruse, 63 Park row, New York
Durex Chemical Corp. (Ground & Floated), 320 5th av, New York
Finck J. C. Mine & Milling Co., 101 Barton, St. Louis, Mo.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Fulper Edward B., Trenton, N. J.
Gilman Wm. D. Co. (Miners), 22 S 3rd, Phila., Pa.
Hammill & Gillespie (Imported), 240 Front, New York
Harshaw, Fuller & Goodwin Co. (White & Off Color Water Floated), Elec. bldg, Cleveland, O.
Innis, Speiden & Co., Inc. (Imp.), 46 Cliff, New York. *See adv index at end of book*
Katzenbach & Bullock Co., 100 William, New York
Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.
Nulsen, Klein & Krausse Mfg. Co., Main & Sidney, St. Louis, Mo.
Point Milling & Mfg. Co., Mineral Point, Mo.
Product Sales Co., 32 S Calvert, Baltimore, Md.
Rolls H. J., Ellicott Sq. bldg, Buffalo, N. Y.
Salomon L. A. & Bro. (Imp Sulphate & Carbonate), 216 Pearl, New York
Scheel Wm. H. (Imp), 159 Maiden la, New York *See adv index at end of book*
Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York
Thompson Weinman & Co., Cartersville, Ga.
Uhlich Paul & Co. (Imported Sulphate & Carbonate), 11 Cliff, New York
*See adv index at end of book*
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, N. Y.
WILLIAMS C. H. & CO., Easton, Pa.
*See adv index at end of book*

## 592— Base Ball Base Plates

Goodrich B. F. Co. (Rubber), Akron, O.
Spalding A. G. & Bros., 126 Nassau, New York
Stall & Dean Mfg. Co. (Canvas), Brockton, Mass.
Wilson, Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Wrought Washer Mfg. Co., Milwaukee, Wis.

## 593—Base Ball Body Protectors

Goodrich B. F. Co., Akron, O.
Horstman Wm. H. Co. (Leg & Foot), Phila., Pa.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
National India Rubber Co., Bristol, R. I.
Rawlings Mfg. Co., 23rd & Lucas av, St. Louis, Mo.
Stall & Dean Mfg. Co., Brockton, Mass.
Tyer Rubber Co., Andover, Mass.
Wilson, Thos. E. & Co., 727 N Sangamon, Chicago, Ill.

## 594— Base Ball Mfrs.

Carr J. Base Ball Co., 660 Pacific, Brooklyn, N. Y.
Chicago Sporting Goods Mfg. Co. ("Ratsch-Peerless"), 211 N. Carpenter, Chicago, Ill.
De Beer J. & Son, Albany, N. Y.
Draper Maynard Co., Plymouth, N. H.
Goldsmith's P. Sons, John, Findlay & Charlotte, Cincinnati, O.
Harwood H. & Sons, Natick, Mass.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
McLoughlin, Bundy & Sinsbaugh Co., 545 S Spring, Los Angeles, Cal.
National Base Ball Mfg. Co. ("Allen"), Schenectady, N. Y.
Peach J. A. ("Peach"), Gloversville, N. Y.
Piper B. H. Co., Manchester, N. H.
Rademaker H. & Sons, Grand Rapids, Mich.
Rawlings Mfg. Co. ("Vacation," "Rawlings"), 23rd & Lucas av, St. Louis, Mo.
Reach A. J. Co., Tulip & Palmer, Phila., Pa.
Rogers Sporting Goods Co., Springfield, Mass.
Spalding A. G. & Bros., 126 Nassau, New York
Stall & Dean Mfg. Co. ("Stall & Dean"), Brockton, Mass.
Tryon Edw. K. Co. ("Tryon"), 611 Market, Phila., Pa.
Victor Sporting Goods Co., Springfield, Mass.
Wilson, Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Young Geo. & Co., 715 S Western av, Chicago, Ill.

## 595—Bases (Battery Cut Out)

American Enamel Co., Neville, Providence, R. I.
BOGERT & HOPPER, INC. (also Moulded, Wooden & Switch), 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS (Also Moulded, Wooden & Switch), 364 5th av, New York *See adv index at end of book*
Mutual Elec. & Mach. Co., 232 Fort W, Detroit, Mich.

## 595a— Bases (Cast Iron)

Lehigh Foundry Co., Fullerton, Pa.
Stolz Jos. & Sons, Inc., 841 E 136th, New York

## 595b—Bases—Hood (Laboratory)

Alberene Stone Co., 223 E. 23d, New York

## 596—Bases (Incandescent Lamp)

Bridgeport Brass Co., Bridgeport, Conn.
Patton-MacGuyer Co., 31 Mathewson, Providence, R. I.
Providence Base Works of General Electric Co., Atwell av., Providence, R. I.
White J. H. Mfg. Co., 111 N 3rd, Brooklyn, N. Y.

## 596a— *Bases (Loving Cup)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 597— *Bases (Oil Cup)

LUNKENHEIMER CO. (Pressure-Oil Systems), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 597a— Bases (Porch Column)

Majestic Co., Huntington, Ind.

## 598— Bases (Post)

Canton Foundry & Machine Co., Canton, O.
Duplex Hanger Co., E 53d & Lakeside av, Cleveland, O.
Ideal Hanger Co., Cleveland, O.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Withers Foundry & Machine Works, Atlanta, Ga.

## 599— Bases (Switch)

Bryant Elec. Co., 1421 State, Bridgeport, Conn.
Colgan Wm. H. Co. ("Rex"), West Newton, Mass.

Continental Fibre Co. ("Bakelite-Dilecto," Fibre), Newark, Del.
*See adv index at end of book*
Estes E. B. & Sons (Electric), 364 5th av, New York
*See adv index at end of book*
Freeman E. H. Electric Co. (Porcelain), Trenton, N. J.
Gur Pressed Steel Co., Lansing, Mich.
Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Hemming Mfg. Co., Garfield, N. J.
Johns-Manville H. W. Co., Madison av & 41st, New York
Lin-Stun Co., 5010 Glaster, Pittsburgh, Pa.
O'Day Bros. (Slate), Hydeville, Vt.
Pass & Seymour ("P & S"), Solvay, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stone Base & Panel Co., Columbus, O.
Weber Electric Co., Schenectady, N. Y.
Wilmington Fibre Specialty Co., Wilmington, Del.
*See adv index at end of book*

## 600— Bases (Trolley)

Bayonet-Trolley-Harp Co., Springfield, O.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y.
*See adv index at end of book*
Holden & White, Fisher bldg, Chicago, Ill.
Holland Trolley Supply Co. (Ball Bearing), 1623 E 43rd, Cleveland, O.
Lord Mfg. Co. ("Sterling-Meaker" Roller Bearings), 105 W 40th, New York
**NUTTALL R. D. CO.** ("Union," "Standard"), McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*
Recording Fare Register Co., New Haven, Conn.
Trolley Supply Co. ("Simplex," Roller Bearing), Canton, O.
Wassan Trolley & Mfg. Co. (Pole Bases), Milwaukee, Wis.

## 601— Basins (Catch)

American Foundry & Mfg. Co. (Cast Iron), 11th & Hebert, St. Louis, Mo.
Aylward Sons Co., Neenah, Wis.
Burch Plow Works Co., Crestline, O.
Burr Co., Champaign, Ill.
Canton Foundry & Machine Co., Canton, O.
Columbian Iron Works ("Columbian"), Chattanooga, Tenn.
Davies & Thomas Co., Catasauqua, Pa.
Decatur Foundry Furnace & Machine Co., Decatur, Ind.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Duplex Mfg. & Foundry Co., Elyria, O.
Elkhart Iron Works ("Elkhart" Cast Iron Blow Off Gravel & Drainage), Elkhart, Ind.
Estabrook's R. Sons ("Estabrook"), 202 1st, Boston, Mass.
Galena Foundry & Machine Co., Galena, Kan.
Gillie Machine Co., Tonawanda, N. Y.
Gross Geo. & Son, (Cast Iron), Rockaway Beach, L. I.
Holbrook-Armstrong Iron Co., Racine, Wis.
Industrial Iron Works, Clinton, Mo.
Madison Foundry Co. ("Acme"), Cleveland, O.
Motor Castings Co., South Bend, Ind.
Munnsville Plow Co., Munnsville, N. Y.
Parsons Co., Newton, Ia.
Rothe Jos. F. Foundry Co., Green Bay, Wis.
Sessions Foundry Co., Bristol, Conn.
**TOWNSEND FOUNDRY & MACHINE SHOP CO.**, Broadway & Rensselaer, Albany, N. Y.
*See adv index at end of book*
Wade Iron Sanitary Mfg. Co., 551 Fulton, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.
Youngstown Foundry & Machine Co., Youngstown, O.

## Basins (Wash)

See Enamel Ware Mfrs.
Also Tin Ware Mfrs.

## 602— *Baskets (Bon-Bon)

Schimper Wm. & Co., 322-338 Ferry, Hoboken, N. J. & 33 Union Sq. W, New York *See adv index at end of book*

## 602a— Baskets (Burnishing, Acid Proof)

General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, O.
Multi Metal Co., 251 W. 19th, New York

## 602b— Baskets (Centrifugal)

American Tool & Machine Co., 10 High, Boston, Mass.
Hamilton Copper & Brass Works, Hamilton, Ohio
Manhattan Rubber Mfg. Co., Passaic, N. J.
Multi Metal Co., 251 W. 19th, New York

## 603— Baskets (Clothes)

Ballie Basket Co. (Rattan, Willow, etc), 82 Sudbury, Boston, Mass.
Ballou M. E. & Son Co., Becket, Mass.
Burlington Basket Co., Burlington, Ia.
Burlington Willow Ware Shops ("Willo Ware"), Burlington, Ia.
Butler Basket Co. (Fine Splint Maple Reed, etc), Butler, Ind.
Huke Wm. Rattan & Willowware Mfg. Co., 1097 S 7th, St. Louis, Mo.
Peru Basket Co. (Splint, Reed, etc), Peru, Ind.
Rochester Can Co. ("Iron Horse" Galvanized Hampers), Rochester, N. Y.
*See adv index at end of book*
Steinfeld Bros. (Willow Baskets, Hampers, etc), 116 W 32d, New York
Thurwachter L. L. & Sons (Hand-made, Willow, etc.), 215 W Fayette, Syracuse, N. Y.

## 604— Baskets (Coal, Etc.)

American Commercial Corp. (Canvas), 120 B'way, New York
Butler Basket Co. (Bamboo, etc), Butler, Ind.
Edgerton Mfg. Co., Plymouth, Ind.
Excelsior Bag & Mfg. Co., Troy, N. Y.
Morris & Co. (Cotton Ducke), Groveville, N. J.
Peru Basket Co. (Iron Bound, Bamboo, etc), Peru, Ind.
Sackett, H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Steel Basket Co. (Corrugated Steel), Cedar Rapids, Ia.

## 605-6—Baskets (Counter Display)

Burlington Willow Ware Shops, Burlington, Ia.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Parker Wire Goods Co. (Wire), Worcester, Mass.
Peerless Wire Goods Co., Lafayette, Ind.
Progressive Wire Goods Co., 13th & Hamilton, Phila., Pa.
Rattan Mfg. Co. ("Sawyer Silent Salesman," "Rattan"), New Haven, Conn.
Wickwire Spencer Steel Corp, Worcester, Mass. *See adv index at end of book*
Wire Goods Co. (Wire), Worcester, Mass.
Woods-Sherwood Co., Worcester, Mass.

## 607— Baskets (Dipping)

See also Stoneware, Chemical

Driver-Harris Co. ("Nichrome"), Harrison, N. J. *See adv index at end of book*
General Ceramics Co. (Acid Proof), 50 Church, New York
Jelliff C. O. Mfg. Corp., Southport, Conn.
Knight Maurice A., Akron, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Moss & Whyte Co., Sidney & Pilgrim, Cambridge, Mass.
Smith John P. & Co. (All Metals), New Haven, Conn.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wickwire Spencer Steel Corp. ("Excelsior" Steel & Brass Wire), Worcester, Mass. *See adv index at end of book*

## Baskets (Fibre)

See Baskets, Mill

## 608— Baskets (Flower)

Burlington Willow Ware Shops ("Willow Ware"), Burlington, Ia.
Zinn Chas. & Co., 893 B'way, New York

## 609— Baskets (Frying)

See also Baskets, Wire

Andrews Wire & Iron Works, Rockford, Ill.
Royal Mfg. Co., 406 Commerce, Phila., Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Mfg. Co., Niles, O.

## 610-11—Baskets (Galvanized Steel)

Atlantic Stamping Co. (Galvanized Iron), 156-180 Ames, Rochester, N. Y.
Crunden Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Lisk Mfg. Co. (Ltd.) ("Lisk," Aluminum Galvanized), Canandaigua, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
Republic Metalware Co., The, Buffalo, N. Y.
Rochester Can Co. ("Iron Horse" Ash Corrugated, Perforated, Rochester, N. Y. *See adv index at end of book*
Rochester Stamping Co., Rochester, N. Y.
Steel Basket Co. (Corrugated), Cedar Rapids, Ia.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling W. Va.

## 612—Baskets, Hampers & Touring Cases (Automobile)

A. Z. Co. (Metal Hampers), 527 W 56th, New York
Ballie Basket Co., 82 Sudbury, Boston, Mass.
Burlington Basket Co., Burlington, Ia.
Burlington Willow Ware Shops, Burlington, Ia.
Butler Basket Co., Butler, Ind.
Erie Art Metal Co. (Laundry or Paper Towel), Erie, Pa.
Fuller G. W. Co., Hartford, Conn.
Hettrick Mfg. Co., Toledo, Ohio
Heywood Bros. & Wakefield Co., Gardner, Mass.
Holbrook Raw Hide Co., 748 N Main, Providence, R. I.
**KNICKERBOCKER CASE CO.**, 230 N Clinton, Chicago, Ill.
*See adv index at end of book*
Kroh C. Z. Mfg. Co., Toledo, O.
Leipzig A. (Inc.), 127 W 17th, New York
Lowell Building & Supply Co., Lowell, O.
Morrison L. E. & Co., 27 W Washington, Indianapolis, Ind.
Nathan Novelty Mfg. Co., 55 5th av, New York
Niagara Auto Radiator Co. (Metal Hampers), 151 W 68th, New York
Peru Basket Co., Peru, Ind.
Post & Lester Co., Hartford, Conn.
Reliable Auto Parts Co. (Metal Hampers), 244 W 49th, New York
Rumpp C. F. & Sons (Luncheon Baskets), 5th & Cherry, Phila., Pa.
Taylor C. A. Trunk Works, 28 E Randolph, Chicago, Ill.
Williams Mfg. Co. (Ash or Rattan), Northampton, Mass.
Winship W. W., 71 Summer, Boston, Mass

## 613— Baskets (Mill)

American Vulcanized Fibre Co. ("Laminar" Dept), 504 Equitable bldg, Wilmington, Del.
Ballou M. E. & Son Co., Becket, Mass.
Burlington Basket Co. (Canvas, Rattan & Splint), Burlington, Ia.
Butler Basket Co. (Bamboo, etc), Butler, Ind.
Crane Bros., Westfield, Mass.
Cummings Josiah & Son ("Hub" Fibre), 657 Atlantic av, Boston, Mass.
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*
Diamond State Fibre Co. (Hard Fibre), Elsmere, Del.
Hardy Frank H. (White Oak), Andover, Mass.
Lane W. T. & Bro. (Canvas & Steel Frame), Poughkeepsie, N. Y.

BASKETS (MILLS)—continued

**Lansing Co., Lansing, Mich.**
**Morris & Co (Cotton Duck), Groveville, N. J.**
**National Fibre & Insulation Co. (Fibre), Yorklyn, Del.**
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
**Spaulding J. & Sons Co. (Fibre), North Rochester, N. H.**
*See adv index at end of book*
**Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.**
**Steel Basket Co. (Mounted on Casters), Cedar Rapids, Ia.**
**Williams Mfg. Co. (Bamboo or Oak, also Iron Strapped & Iron Wheels or Casters), Northampton, Mass.**

## 614— Baskets (Rawhide)

Barlow John W. Co., Lawrence, Mass.
Holbrook Raw Hide Co., 748 No Main, Providence, R. I.

## 615— Baskets (Refrigerator)

Burlington Basket Co. ("Hawkeye"), Burlington, Ia.

## 616— Baskets (Satchel)

Burlington Basket Co., Burlington, Ia.

## 617— Baskets (Sheet Steel)

Erie Art Metal Co., Erie, Pa.
Erie Metal Products Co., Erie, Pa.
Metal Office Furniture Co., Grand Rapids, Mich.
Steel Basket Co., Cedar Rapids, Ia.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), (Galvanized & Japanned), Wheeling, W. Va.

## 618— Baskets (Stave)

Burlington Basket Co., Burlington, Ia.
Butler Basket Co. (Elm, etc, Bushel, etc), Butler, Ind.
Clark Paper Mfg. Co., Rochester, N. Y.
Farmers Mfg. Co., Norfolk, Va.
New Albany Box & Basket Co., New Albany, Ind.
Peru Basket Co., Peru, Ind.

## 618a— Baskets (Ticker)

Erie Art Metal Co., Erie, Pa.

## 618b— Baskets (Towel)

Erie Art Metal Co., Erie, Pa.

## 619— Baskets (Waste Paper)

See also Baskets-Mill; Sheet Steel; Wire

American Vulcanized Fibre Co. ("Vul-Cot" Hard Fibre), 504 Equitable bldg, Wilmington, Del.
Andrews Wire & Iron Works (Wire), Rockford, Ill.
Angle Steel Stool Co. (Metal), Otsego, Mich.
**Art Metal Construction Co., Jamestown, N. Y.**
*See adv index at end of book*
Bailie Basket Co. (Willow), 82 Sudbury, Boston, Mass.
Barbee Wire & Iron Works (Wire), 111 Washington, Chicago, Ill.
Browne Morse Co. (Wood), Muskegon Heights, Mich.
Burlington Basket Co., Burlington, Ia.
Burlington Willow Ware Shops ("Willow Ware"), Burlington, Ia.
Cordley & Hayes ("Fibrotta" Paper Fibre), 7 Leonard, New York
Crane Bros. (Fibre), Westfield, Mass.
Derby Desk Co. (Wood), Somerville, Mass.
Diamond State Fibre Co. (Fibre), Elsmere, Del.
Duggan-Rider Co. (Cold Rolled Steel, Oxidized, Copper or Brushed Brass), Erie, Pa.
Erie Art Metal Co. ("Dan-Dee" Fireproof), Waste Baskets, Erie, Pa.
Erie Metal Products Co., Erie, Pa.
Fireproof Furniture & Construction Co., Miamisburg, O.
Franke George Sons Co. (Paper), 112 So Eutaw, Baltimore, Md.
Globe-Wernicke Co. (Wood), 25 Carthage av, Cincinnati, O.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Heywood Bros. & Wakefield Co. (Reed), Gardner, Mass.
Huke Wm. Rattan & Willow Ware Mfg. Co. (Rattan & Willow), 1007 S 7th, St. Louis, Mo.
Massillon Wire Basket Co. ("Daisy"), Massillon, Ohio
Metal Office Furn. Co. (Metal), Grand Rapids, Mich.
Nat'l Fibre & Insulation Co., Yorklyn, Del.
Norwich Wire Works, Norwich, N. Y.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Peerless Wire Goods Co., Lafayette, Ind.
Penn Art Steel Works (Round & Square Steel), Erie, Pa.
Peru Basket Co. (Bamboo & Splint), Peru, Ind.
Progressive Wire Goods Co. (Wire), 13th & Hamilton, Phila., Pa.
Rochester Can Co. ("Iron Horse" Steel), Rochester, N. Y.
*See adv index at end of book*
Rogers Fibre Co. ("Leatheroid") 121 Beach, Boston, Mass.
Standard Fibre Co. (Hard Fibre), Miller, Somerville, Mass.
Standard Wire Co. (Wire), New Castle, Pa.
Steinfeld Bros. (Willow Ware), 116 W 32d, New York
Stow & Davis Furniture Co., Grand Rapids, Mich.
Syracuse Basket Co. (Willow), Syracuse, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Williams Mfg. Co. (Rattan, etc.), Northampton, Mass.
Wire Goods Co. (Wire), Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Wire & Metal Wares Co. (Steel), Erie, Pa.
Woods-Sherwood Co. (Wire), Worcester, Mass.
Worcester Wire Novelty Co., Emerson Tower bldg, Baltimore, Md.

## 620— Baskets (Willow, Trout)

Basket Importing Co., 119 W 23d, New York
Krauss & Co., 11 W Houston, New York
Leipzig A. (Inc.), 127 W 17th, New York
Zinn Chas. & Co., 893 B'way, New York

## 621—Baskets (Willow & Split)

Burlington Willow Ware Shops ("Willow Ware"), Burlington, Ia.

## 622— Baskets (Wire)

Andrews Wire & Iron Works, Rockford, Ill.
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Columbus Wire & Iron Wks. Co. (Canners), Columbus, O.
Electrical Alloy Co. (Dipping), Morristown, N. J.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hibbard Basket Works, South Butler, N. Y.
Jelliffe C. O. Mfg. Corp. ("Ferrocal" Heat Treating), Southport, Conn.
Krauss & Co., 11 W Houston, New York
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Leipzig A. (Inc.), 127 W 17th, New York
Massillon Wire Basket Co., Massillon, O.
Metropolitan Basket Co., 151 Spring, New York
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Morss & Whyte Co. (Dipping), Sidney & Pilgrim, Cambridge, Mass.
Norwich Wire Works, Norwich, N. Y.
Parker Wire Goods Co. (Counter, Letter, Mail, Sponge, Toilet Paper, Waste Paper, Frying, etc), Worcester, Mass.
Peerless Wire Goods Co., Lafayette, Ind.
**PHOENIX WIRE WORKS** (Dipping), Kirby & Dequindre, Detroit, Mich.
*See adv index at end of book*
Progressive Wire Goods Co. (And Office Wire Goods), 13th & Hamilton, Phila., Pa.
Racine Iron & Wire Works (Hanging), Racine, Wis.
Ruhmann G. E., Schulenburg, Texas.
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith John P. & Co., New Haven, Conn.
Standard Wire Co., New Castle, Pa.
**TYLER W. S. CO.,** Cleveland, O.
*See adv index at end of book*
Union Steel Products Co., Ltd., Albion, Mich.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Wisconsin Iron & Wire Wks. (Dipping), Milwaukee, Wis.
Woods-Sherwood Co. (Counter, Desk, Sponge, Fruit, Twine, Waste Paper, etc), Worcester, Mass.
Worcester Wire Novelty Co., Emerson Tower bldg, Baltimore, Md.

## 623—Baskets (Wooden Market)

Burlington Basket Co., Burlington, Ia.
Bryant Mfg. Co., Springfield, O.
Farmers Mfg. Co., Norfolk, Va.
Maney M. J., Geneva, N. Y.

## 624— Basofor

Waldo E. M. & F., Selling Agents, 11 B'way, New York

## 625— Basswood

Black Robt. & Co., Bay City, Mich.
Doud Sons & Co., Winona, Minn.
Dwight Lumber Co., River Rouge, Detroit Mich.
Elias G. & Bro., 965 Elk, Buffalo, N. Y.
Grand Rapids Veneer Works, Grand Rapids, Mich.
Goodwillie Bros., 10 La Salle, Chicago, Ill.
Jones Hardwood Co. (Birch, Beech & Maple), 10 High, Boston, Mass.

## 626— Batch Mixing Plants

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Heyl & Patterson, 51 Water, Pittsburgh, Pa.

## 626a— Bate (Tanners)

Martin-Dennis Co. ("Puerine"), 859 Summer av, Newark, N. J.

## 627—Bath Cabinets (Thermal, Etc.)

Buffalo Bath Cabinet Co., 435 William, Buffalo, N. Y.
Cabinet Mfg. Co. ("Superior"), Quincy, Ill.
Goethel Alex. G., 815 Winnebago, Milwaukee, Wis.
New York Bath Mfg. Co. (Vapor), 103 Chambers, New York
Robinson Cabinet Mfg. Co., Toledo, O.
Toledo Cooker Co. ("Ideal" Vapor), Toledo, O
World Mfg. Co., 120 W 3d, Cincinnati, O.

## 628— Bath (Oil Tempering)

**GENERAL ELECTRIC CO.** ("Electric"), Schenectady, N. Y.
*See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*

## 629—*Bath Room Cabinets (Metal, with Mirrors & Glass Shelves)

**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*

## 630—Bath Room Fixtures & Furnishings

Acme Specialty Mfg. Co., Toledo, O.
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
American Brass & Copper Co. (Full Line), 138 Lafayette, New York
American Ring Co., Waterbury, Conn.
Anderson Geo. H. & Co. (Plate Glass, Towel Bars, Shelves, etc), 1467 W Austin av, Chicago, Ill.
Arlington Works (The) (E. I. du Pont De Nemours & Co.), 21 E. 40th, New York
Art Brass Co. ("San-o-la" Cast & Stamped Brass), 299 E 134th, New York

Automatic Wire Goods Mfg. Co. (Towel Brackets, Soap Dishes, Sponge Holders), 13-15 Canal pl, New York
*See adv index at end of book*
**Barrett Jas. Mfg. Co., 117 Pearl, Boston, Mass.**
**Bay Ridge Specialty Co. ("All White" Vitreous China), 5613 First av, B'klyn, N. Y.**
**Behrer & Co., 81 Beekman, New York**
Bens S. J. Mfg. Corp., Herkimer, N. Y.
**Blessing C. A., 518 Montgomery av, Phila., Pa.**
**Bloom Flusher Co.** (Closet & Shower Bath Attachments), Tiffin, O.
Boston Mirror Co. (Mirrors, Glass Shelves, Medicine Cabinets, etc), 69 Sudbury, Boston, Mass.
**Brey & Krause Mfg. Co., Allentown, Pa.**
Buffalo Mfg. Co. (Soap & Sponge Holders, Towel Racks, etc), Buffalo, N. Y.
Burrowes E. T. Co. (Medicine Cabinet Stools & Blacking Stands), Portland, Me.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
**Central Specialty Mfg. Co., 508 S Peoria, Chicago, Ill.**
**Church C. F. Mfg. Co. (White Pyralin), Holyoke, Mass.**
**Clarke Robert, 100 Schermerhorn, Brooklyn, N. Y.**
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
**Columbus Brass Co., 538 Dublin av., Columbus, O.** *See adv index at end of book*
Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
**Dayton Mfg. Co., Dayton, O.**
Dearborn Brass Co., Cedar Rapids, Ia.
**Detroit Sanitary Supply Co., 1191 Second, Detroit, Mich.**
Douglas Jno. Co., Carthage, Cincinnati, O.
Eastern Specialty Mfg. Co., Scranton, Pa.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Edwardsville Brass Co. (Soap Cups, Tumbler-Holders, Comb & Brush Trays, Bath Seats, etc), Edwardsville, Ill.
Eustis J. P. Mfg. Co. ("Brasscrafters," Soap Dishes, Towel Bars, Mirrors, Medicine Cabinets, etc), Cambridge, Mass.
Fairfacts Co. (China) ("Fairfacts," "Bilton"), 234 W 14th, New York
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Forsyth Metal Goods Co. (Towel Bars, Tumbler Holder, Comb & Brush Shelf, Soap Tray, etc), E. Aurora, N. Y.
**Foster Merriam & Co., Meriden, Conn.**
**Frost Mfg. Co., Kenosha, Wis.**
Frank & De Keyser, 33 Park pl, New York
**Galard Co. ("Omala"), 335 6th av, Newark, N. J.**
**Garden City Plating & Mfg. Co., 1430 S Talman av, Chicago, Ill.**
Gaynor Mfg. Co., Bridgeport, Conn.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av., Phila., Pa.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Haydenville Co., Haydenville, Mass.
Heap Wm. & Sons, Grand Haven, Mich.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Hughes-Evans Co. ("Tile-In" China and "Enamo" Metal), 502 W 32d, New York
Humphryes Mfg. Co., Mansfield, O.
Ideal Mfg. Co., Franklin & Dubois, Detroit, Mich.
**Imperial Brass Mfg. Co., 524 S Racine av,** Chicago, Ill. *See adv index at end of book*
Improved Sanitary Fixture Co., 612 Metropolitan bldg, Los Angeles, Cal.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
McCambridge Co., 315 N 20th, Phila., Pa.
Manning, Bowman & Co., Meriden, Conn.
Metal Crafters, East Stroudsburg, Pa.
Motor Products Co., Mack av & Outer Belt Line, Detroit, Mich.
Mott J. L. Iron Works, Trenton, N. J.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Nason Mfg. Co., 71 Fulton, New York
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; **68 W Washington, Chicago,** Ill. *See adv index at end of book*
Novelty Mfg. Co. ("Wilwear" Trimmings, Soap Dishes, Backs, etc), **Waterbury,** Conn.
**Park & McKay, 55 Bagley av, Detroit,** Mich.
Parker Chas. Co., Meriden, Conn.
Pocono Metal Mfg. Co., Inc., East Strousburg, Pa.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
**Rundle-Spence Mfg. Co., 63 2d, Milwaukee,** Wis.
Sanitas Mfg. Co., 105 Washington, Boston, Mass.
**Savill's Thos. Sons, 1310 Wallace, Phila., Pa.**
**Searls Mfg. Co. ("Palette Brand," "Star Brand"), 29 Mulberry, Newark, N. J.**
Schaffer, Chas. W. Co., 3214 Chestnut, Philadelphia, Pa.
Sillcocks-Miller Co. ("Celluvarno"), South Orange, N. J.
Smith E. C. Mfg. Co., 900 W. Jackson blvd, Chicago, Ill.
**Speakman Supply & Pipe Co.** (Cocks, Faucets, Bath Fixtures, etc.), Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
**Stebbins E. Mfg. Co., Springfield, Mass.**
Stephenson C. H. ("Stephenson" Towel Rods, Medicine Cabinets, Soap & Sponge Holders), Lynn, Mass.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Superior Brass Novelty Co. (Brass), 545 E 116th, New York
Sweeney W. H. Mfg. Co. (Soap Dishes, Towel Bars, Brush & Tumbler Holders, etc), 30 Main, Brooklyn, N. Y.
Trenton Brass & Machine Co., Trenton, N. J.
Waterbury Mfg. Co. (Bath Sprays, etc), Waterbury, Conn.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.
Wickwire Spencer Steel Corp. (Towel, Bracket & Soap Dishes), Worcester, Mass. *See adv index at end of book*
Wise J. B., Inc., Watertown, N Y
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works (Towel Bars, Soap Cups, etc), Grand Rapids, Mich.

## Bath Tubs (Ceramic)

See Bath Tubs, Porcelain

## 631— Bath Tubs (Copper)

See also Boilers, Copper Range

Blessing C. A., 516 Montgomery av, Phila., Pa.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Johnson J. D. Co., 43 Boerum pl, Brooklyn, N. Y., & 54 Cliff, New York
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Walker Mfg. & Supply Co., Shelby & Woodbridge, Detroit, Mich.

## 632—Bath Tubs (Enameled Iron)

Cahill Iron Works ("Southern Beauty"), Chattanooga, Tenn.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Iron City Sanitary Mfg. Co., Oliver bldg, Pittsburgh, Pa. Works: Zelienople, Pa.
Kohler Co. ("Sovereign," "Imperial"), **Sheboygan, Wis.**
McVay-Walker Co. ("Seneca," "Mendota," "Winona," "Narco"), Braddock, Pa.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York.
Peck Bros. & Co., New Haven, Conn.
Richmond Radiator Co., 1480 B'way, New York
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Sanitas Mfg. Co. ("Brown," "Hoffman," "Empire," "Albemarle"), 105 Washington, Boston, Mass.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Union Sanitary Mfg. Co., Noblesville, Ind.
United States Sanitary Mfg. Co., Arrott bldg, Pittsburgh, Pa., & Monaca, Pa.
Wheeling Sanitary Mfg. Co. ("Porcelain," Enameled Iron), Wheeling, W. Va.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 633— Bath Tubs (Folding)

**Acme Folding Boat Co., Miamisburg, O.**
Davol Rubber Co. ("Robinson" Rubber), 69 Point, Providence, R. I.
New York Bath Mfg. Co., 103 Chambers, New York
Robinson Cabinet Mfg. Co., Toledo Factories bldg, Toledo, Ohio

## 634—Bath Tubs (Galvanized Steel Enameled)

Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Walker Mfg. & Supply Co., Shelby & Woodbridge, Detroit, Mich.

## 635— Bath Tubs (Infants')

Central Stamping Co., 174 Fulton, New York
**GEUDER, PAESCHKE & FREY CO.** (Galvanized, Japanned & Enameled Sheet Iron), 1314-1700 St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Iron City Sanitary Mfg. Co., Oliver bldg, Pittsburgh, Pa.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.) ("Lisk" Anti-Rust), Canandaigua, N. Y.
Monument Pottery Co., Trenton, N. J.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York
National Enameling & Stamping Co., 411 5th av, New York
Standard Sanitary Pottery Co., Elizabeth, N. J.
Trenton Fire Clay & Porcelain Co., Trenton, N. J.
Trenton Potteries Co., Trenton, N. J.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

## 636— Bath Tubs (Porcelain)

**Cahill Iron Works, Chattanooga, Tenn.**
Fords Porcelain Works, Perth Amboy, N. J.
General Ceramics Co. ("Phoenix"), 50 Church, New York
Heap Wm. & Sons, Grand Haven, Mich.
Monument Pottery Co., Trenton, N. J.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York
Sanitas Mfg Co. ("Monarch," "Marshall," "Underwood"), 105 Washington, Boston, Mass.
Trenton Potteries Co. Trenton, N. J.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

## 637—Bath Tubs (Sheet Steel)

Butler Mfg. Co., Kansas City, Mo.
Walker Mfg. & Supply Co., Shelby & Woodbridge, Detroit, Mich.

## Bath Tubs (Slate)

See Laundry Tubs, Slate

## 638— Bath Tubs (Tin)

Blanke W. F. Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Central Stamping Co., 172 Fulton, New York
Dover Stamping & Mfg. Co. ("Enameled White Inside"), Cambridge, Mass.
McAleer E. J. & Co., 1422 N 8th, Phila., Pa.
National Enameling & Stamping Co., 411 5th av, New York

## 639— Bathing Suit Mfrs.

Alberta Knitting Mills, Lenta & Armat, Gtn, Phila., Pa.
American Hosiery Co., New Britain, Conn.
American Knitting Co., Honesdale, Pa.
American Knitting Co., Waltham, Mass.
American Knitting Mills, Central Tr. bldg, Phila., Pa.
Anchor Knitting Mills, Cohoes, N. Y.
Berwin Knitting Mills, 424 Bainbridge, Brooklyn, N. Y.
Brown Knitting Co., Warsaw, N. Y.
Cache Knitting Works, Logan, Utah
Canasawacta Knitting Co., Sherburne, N. Y.
Carlton Mills Co., Coral & Adams, Phila. Pa.
Chapman Knitting Mills, 68 E 131st, New York
Colonial Knitting Mills, 291 Essex, Brooklyn, N. Y.

BATHING SUIT MFRS.—continued
Crescent Company, 49 E. 21st, New York
Crossingham Knitting Mills, 243 Ashmead, Gtn, Phila., Pa.
Elboeuf Knitting Co., Utica, N. Y.
European Knitting Mills, 80 Manhattan av, Brooklyn, N. Y.
Florence Knitting Mills, 1849 E. Venango, Phila., Pa.
Fruchthendler L. & Co., 616 E 5th, New York
Gantner & Mattern Co., Grant av & Post, San Francisco, Cal.
Germania Knitting Works, 440 Canal, New York
Gotham Knitting Mills, 30 W 21st, New York
Hutton Mfg. Co., 315 Arch, Phila., Pa.
Hygienic Fleeced Underwear Co., 2415 Howard, Phila, Pa.
Ideal Knitting Mills, 587 Hendrix, Brooklyn, N. Y.
Illinois Knitting Mills, 640 B'way, Brooklyn, N. Y.
Levin Wm., 204 Canal, New York
Levine & Co., 291 Essex, Brooklyn, N. Y.
Long Island Knitting Mills Co., 335 Throop av, Brooklyn, N. Y.
Mendelson Herman, 159 Court, Brooklyn, N. Y.
Michigan Knitting Co., Lansing, Mich.
Milbury Atlantis Mfg. Co., 543 B'way, New York
National Knitting Works Co., 1967 E 57th, Cleveland, O.
Nehrich R. B., 1260 B'way, Brooklyn, N. Y.
N. Y. Knitting Mills, 141 Wooster, New York
Newark Knitting Works, 587 S 10th, Newark, N. J.
Noon E. & Son, 4019 Gtn av, Phila., Pa.
North American Knitting Mills, 740 Flushing av, Brooklyn, N. Y.
Nostrand Knitting Mills, 1287 Madison, Brooklyn, N. Y.
Novelty Knitting Co., Woonsocket, R. I.
Nusbaum D. & Co., 341 5th av, New York
Ocean Bathing Suit Co., 116 W 23rd, New York
Osborne Wm., 1116 W Montgomery av, Phila., Pa.
Passaic Knitting Works, Garfield, N. J.
Pfister J. J. Knitting Co., P. O. Sta. A., Berkeley, Cal.
Progressive Knitting Works, 435 B'way, Brooklyn, N. Y.
Rosen Knitting Mills, 2698 Atlantic av, Brooklyn, N. Y.
Salt Lake Knitting Works, Salt Lake City, Utah
Somerset-Knitting Co., 1 Station, Boston, Mass.
Spicer John, 84 Woodbine, Brooklyn, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Starrels, Morris & Co., 2122 E Dakota, Phila., Pa.
Suffolk Knitting Co., East Boston, Mass.
Thurman Mfg. Co., 427 Ashmead, Phila., Pa.
Treinis Bros., 126 13th, Brooklyn, N. Y.
Vassar Knitting Works, Bay City, Mich.
Webber Geo. F. (Hand Knit), 414 Gratiot, Detroit, Mich.
West Branch Knitting Co., Milton, Pa.
Western Knitting Mills, 231 Maujer, B'klyn, N. Y.
Wilson, Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Wright Victor Ditson Co., 408 B'way, New York
Wye Geo. E. Co., Needham, Mass.
Wye Wm. H. & Co., Needham, Mass.

## 640—Baths (Blotter or Copying Cloth)

Adams Mfg. Co., 86 E. Plumstead, Phila., Pa.
Asbestos Copying Bath Co., 26 Barclay, New York
Cincinnati Tool Co., Cincinnati, O.
*See adv index at end of book*
Colonial Office Appliance Co., 98 Park pl, New York
Eureka Blotter Bath Co. ("Eureka"), 6221 Wentworth av, Chicago, Ill.
Hill Independent Mfg. Co., Adams & Emerald, Phila., Pa.
Jean C. W. Co., 116 Nassau, New York
Spurgin Mfg. Co., 7011 Vincennes av, Chicago, Ill.

## 641— Baths (Electric Light)

Burdick Cabinet Co., 15 E Washington, Chicago, Ill.
Edmands Walter S., 134 Congress, Boston, Mass.
Metropolitan Engineering Co., 1250 Atlantic av, Brooklyn, N. Y.
Sanitarium Equipment Co., Battle Creek, Mich.
Ten Broeck & Huber, 214 E 23rd, New York

## 642—Baths (Needle & Shower)

American Brass & Copper Co., 138 Lafayette, New York
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
Douglas Jno. Co., Carthage, Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Eustis J. P. Mfg. Co. ("Brasscrafters"), Cambridge, Mass.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
McCambridge Co., 315 N. 20th, Phila., Pa.
McElravy & Hauck Co. (Enameled Iron & Solid Porcelain Nickel Plated Shower), 440 B'way, Brooklyn, N. Y.
Meyer-Sniffen Co., 11 W 36th, New York
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Peck Bros. & Co., New Haven, Conn.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Sanitas Mfg Co ("Woolworth," "Fairfield," "Trombone," "Brockton," "Rain," "Royal," "Tubular," Shower only, 105 Washington, Boston, Mass.
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Wolff Mfg. Co. (Shower Only), 255 N Hoyne av, Chicago, Ill.

## 643—Baths (Plunge & Shower, for Ships)

Dalton-Ingersoll Mfg. Co., 52 Chauncy. Boston, Mass.

## 644—Baths (Portable Shower)

Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, O.
Cline L. Mfg. Co., 1239 S Wabash av, Chicago, Ill.
Columbia Brass Works, 740 N Franklin, Chicago, Ill.
Curtainless Shower Co., 25 W B'way, New York
Edwardsville Brass Co., Edwardsville, Ill.
Elgin Brass Co., 21 Park row, New York
Eustis J. P. Mfg. Co. ("Brass Crafters"), Cambridge, Mass.
Nason Mfg. Co., 71 Fulton, New York.
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Weiskittel A. & Son Co. ("Luxuria"), 12th & E Lombard, Baltimore, Md.
Wolverine Brass Works, Grand Rapids, Mich.

## 645— Baths (Tinning)

Sperry D. R. & Co., Batavia, Ill.

## 646— Bats (Baseball)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Brinser E. C. Sons ("Richmond"), Richmond, Va.
Chicago Sporting Goods Mfg. Co. ("Ratsch-Peerless"), 211 N. Carpenter, Chicago, Ill.
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Goldsmith's P. Sons, John Findlay & Charlotte, Cincinnati, O.
Granberg Emil, St. Louis, Mo.
Hickson-Rogers Mfg. Co., Paragould, Ark.
Hillerich & Bradsley Co. ("Louisville Slugger"), Louisville, Ky.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
McLaughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Peach J. A. ("Peach"), Gloversville, N. Y.
Piper B. H. Co., Manchester, N. H.
Prouty C. & Co., Eldred, Pa.
Rademaker H. & Sons, Grand Rapids, Mich.
Saginaw Wood Products Co., Gaylord, Mich
Simmons Hardware Co., 9th & Spruce, St. Louis, Mo.
Spalding A. G. & Bros., 126 Nassau, New York
Stall & Dean Mfg. Co. ("Stall & Dean"), Brockton, Mass.
Tryon Edw. K. Co. ("Old Hickory"), 611 Market, Philadelphia, Pa.
Wright & Ditson, 344 Washington, Boston, Mass.
Zimmerman J. N., Owosso, Mich.

## 647— Battens (Metallic)

Metallic Batten Co., Owensville, Ind.
Schranger & Johnson, Atlantic, Ia.

## Batteries (Automobile)

See Batteries, Dry; also Batteries, Storage

## 648— Batteries (Blasting)

See also Blasting Fuse, Caps, Etc.

Grasselli Powder Co., Guardian bldg, Cleveland, O.
National Carbon Co. ("Hercules Red Label," "Columbia Ignitor"), Madison, N W & W 17th, Cleveland, O.
Star Electric Fuse Works ("Lilliput," "Push-Down"), Wilkes-Barre, Pa.

## Batteries (Closed Circuit)

See Batteries, Open & Closed Circuit

## 649— Batteries (Diffusion)

Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*
Dyer Co., 2031 Euclid av, Cleveland, O.
Hassell Iron Works Co., Colorado Springs, Colo.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Krajewski-Pesant Corp., 50 Broad, New York
Pusey & Jones Co., Wilmington, Del.
Stearns-Roger Mfg. Co., Denver, Colo.
Swenson Evaporator Co. (Circular), 53 W Jackson blvd, Chicago, Ill.
Whitney Iron Works Co., 849 Tchoupitoulas, New Orleans, La.

## 650— Batteries (Dry)

Allen Machine Works, Miamisburg, O.
American Carbon & Battery Works of National Carbon Co., Inc. ("American"), East St. Louis, Ill.
American Elec. Battery Wks., 100 Grand, New York
American Ever Ready Works of Nat'l Carbon Co. ("Daylo Tungsten"), Thompson av, Long Island City, New York
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
Bright Star Battery Co. ("Mar-Stun"), 316 Hudson, New York
Bunnell J. H. & Co. ("Jove," "Standard," "Mascot"), 32 Park pl, New York
Burgess Battery Co., Madison, Wis.
Burn-Boston Battery & Mfg. Wks, 134 State, Boston, Mass.
Burnley Battery & Mfg. Co. ("Burnley"), North East, Pa.
Champion Carbon Mfg. Co., 1st Nat'l Bank bldg, Cincinnati, O.
Chloride of Silver Dry Cell Battery Co., 407 N Paca, Baltimore, Md.
Electric Goods Mfg. Co. ("Sammon," Semi-Dry), Canton, Mass.
Electric Mfg. Co. ("Emco" Sealed), 166 W 6th, St. Paul, Minn.
Enterprise Elec. Novelty Co., 107 Bleecker, New York
French Battery & Carbon Co. ("Fleur-de-Lis"), Madison, Wis.

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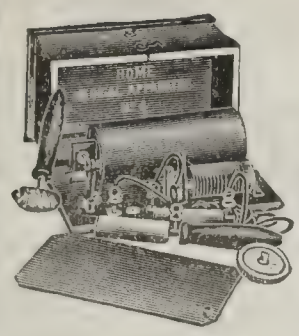
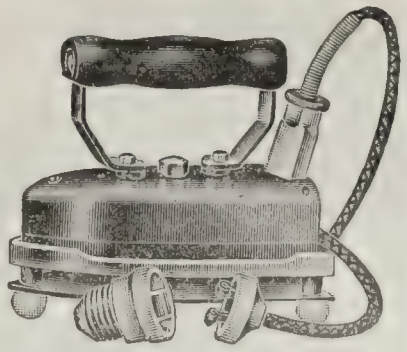


Medical Batteries



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SAN FRANCISCO,
604 Mission Street


Harper Fred D. ("Masda" & "Secret Service" for Flashlights), Everett, Mass.
Hi-Po Waterproof Battery Corp., 1007 Atlantic av, Brooklyn, N. Y.
Hipwell Mfg. Co., 831 North av, Pittsburgh, Pa.
International Battery Co., 453 Broome, New York
Interstate Electric Novelty Co. ("Franco"), 104 S 4th, Brooklyn, N. Y.
Lincoln Electric Co. ("Enburo," "Hi-Po"), 149 B'way, New York
McGill Mfg. Co. ("Chatterton"), 26 Oak, Valparaiso, Ind.
*See adv index at end of book*
Manhattan Electrical Supply Co. ("Red Seal" "Mesco," "Blue Seal," "Hi-Up,"), 17 Park pl, New York
*See adv index at end of book*
National Columbia Carbon Co. ("Columbia Red Label," "Ignitor," "Hercules," "U. S. Standard," "Globe," "Standby"), Madison av, N W & W 117th, Cleveland, O.
North Electric Co. ("Cannon Cracker"), American Trust bldg, Cleveland, O.
Northwestern Battery Co., 530 Jefferson, Milwaukee, Wis.
Novo Mfg. Co., 424 W. 33d, New York
Nungesser Carbon & Battery Works of Nat'l Carbon Co., ("1900," "Acme," "Rapid Fire") 1170 E 38th, Cleveland, O.
Nutter Elec. Equipt. Co., 169 Mass. av, Boston, Mass.
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
Sibley Pitman Electrical Corp. ("Climax" Auto Cells for Automobile & Gas Engine Ignition), 190 6th av, New York
Solar Light Co., 69 Wooster, New York
Stackpole Carbon Co. ("Autocrat," "Hello," "Wizard," "Sun"), St. Marys, Pa.
Standard Electric Novelty Co., 730 W Randolph, Chicago, Ill.
Stanley & Patterson ("Exeter"), 23 Murray, New York
Sunlight Elec. Specialty Co., 453 Broome, New York
Tardie Emil J. ("Leader," "Improved"), 156 5th av, New York
Toledo Battery Co., Toledo, O.
Twin Dry Cell Battery Co., Superior Viaduct, Cleveland, O.
Union Battery Co. ("Power," "Nue"), Belleville, N. J.
United Battery Corp., 42 B'way, New York 164 5th av, New York
Universal Carbon Co., Dundee, Ill.
Universal Novelty Wks, ("Universal"), 164 5th av, New York
Usona Mfg. Co., Hudson, New York
Voltamp Electric Mfg. Co., 407 N Paca, Baltimore, Md.
Wappler Electric Co., 184 Harris av, Long Island City, N. Y.
Waterbury Battery Co., Waterbury, Conn.
Wesco Supply Co. ("Red Shield"), 7th & Clark av, St. Louis, Mo.
Western Dry Battery Co., Seattle, Wash.
Western Electric Co. ("Blue Bell," "Red Label"), 463 West, New York
White Star Battery Co. ("White Star," "Red Star"), 126 Chambers, New York
Wilhelm Henry ("Heln"), 70 Frost, Brooklyn, N. Y.

## 650a—Batteries (Dry Cell Blasting)

Atlas Powder Co., 140 N Broad, Philadelphia, Pa.
*See adv index at end of book*
Giant Powder Co. Cons., San Francisco, Cal.
*See adv index at end of book*

## 650b— Batteries (Flashlight)

Am Ever Ready Works, Thomson av, Long Island City, N. Y.
Am. Gas Machine Co., Inc., Albert Lea, Minn.
French Battery & Carbon Co., Madison, Wis.
Harper Fredk. ("Secret Service") Everett, Mass.
Interstate Elec. Novelty Co., 104 S 4th, Brooklyn, N. Y.
Stuart Products Corp., 633 Washington, Chicago, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 651— Batteries (Ignition)

See also Igniters, Gas & Gasoline Engines
Akar Ignition Co. ("Akar"), 149 W. Berkeley, Phila., Pa.
National Carbon Co. ("Columbia Ignitor," "Columbia Multiple," "U. S. Ignitor," "Columbia Hot Shot"), Madison av, N W & W 117th, Cleveland, O.
Northwestern Battery Co., 530 Jefferson, Milwaukee, Wis.
Sevison Electric Co., Elkhart, Ind.
United States Light & Heat Corp. ("U-S-L"), Niagara Falls, N. Y.
Universal Battery Co., 3410 S La Salle, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Automobile), East Pittsburgh, Pa.
*See adv index at end of book*

## 652— Batteries (Medical)

And Electro Medical Apparatus

Bunnell J. H. & Co. ("No.-4-D-D," "No. 6," "Auto Kure"), 32 Park pl, New York
Chloride of Silver Dry Cell Battery Co., 407 N Paca, Baltimore, Md.
Gorman Electric Construction Co., 315 Minnesota, St. Paul, Minn.
International Instrument Co., Cambridge, Mass.
Kendrick-Davis Co. ("K-D"), Lebanon, N. H.
Knapp Elec. & Novelty Co. ("Verilife," "Electrophits"), 511 W 51st, New York
Lindstrom, Smith Co. ("White Cross"), 3212 W Lake, Chicago, Ill.
McElliott D. P., 175 N State, Chicago, Ill.
McIntosh Battery & Optical Co., 217 Desplaines, Chicago, Ill.
**MANHATTAN ELECTRICAL SUPPLY CO.** ("Home," "Apollo," "Household," "Manhattan," also Attachments), 171 Park pl, New York
*See adv index at end of book*
Manufacturers & Inventors Electric Co., 29 Gold, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Meyer Wm. Co., 1644 Girard, Chicago, Ill.
Ohio Electric & Controller Co., 5900 Maurice, Cleveland, O.
Ostrander W. R. & Co., 371 B'way, New York
Pierson-Wilcox Electric Co., 223 S 6th, Minneapolis, Minn.
Pignolet Louis M., 78 Cortlandt, New York
Pullen Leon W. Co. ("Gal-Far"), 618 Chestnut, Phila., Pa.
Tardie, E. J., 156 5th av, New York
Victor Elec. Corp., 236 S Robey, Chicago, Ill.
Voltamp Elec. Mfg. Co., 407 N Paca, Baltimore, Md.
Waite & Bartlett Mfg., 53 Jackson av, Long Island City, N. Y.
Wappler Elec. Co., 187 Harris av, Long Island City, N. Y.

## 653—Batteries (Open & Closed Circuit)

Open & Closed Circuit Wet Batteries

American Carbon & Battery Works of National Carbon Co., Inc. ("New Phoenix"), East St. Louis, Ill.
Bunnell J. H. & Co. ("Microphone," "Carbon Cylinder"), 32 Park pl, New York
Burn-Boston Battery & Mfg. Works, 134 State, Boston, Mass.
Clark & Mills Elec. Co. ("Excello"), Cambridge, Mass.
Eastern Signal & Supply Co. ("Atlas," "Primary"), 30 Church, New York
Edison Thomas A. ("Esco," Closed), Orange, N. J.
Electric Goods Mfg. Co. ("Samson," "Nomas"), Canton, Mass.
Enterprise Electric Supply Co. ("Franklin"), Latrobe, Pa.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
National Carbon Co. ("Columbia"), Madison av, N W & W 117th, Cleveland, O.
Pullen Leon W. Co., 618 Chestnut, Phila., Pa.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Rhode Island Telephone & Electric Co., 55 Pine, Providence, R. I.
Samson Elec. Co., 146 Summer, Canton, Mass.
Waterbury Battery Co. ("Waterbury Separate Cylinder," "Waterbury Unit Cylinder," "Gordon Primary," "Schoenmehl"), Waterbury, Conn.
Western Electric Co., 463 West, New York
White S. S. Dental Mfg. Co. ("Partz"), 211 S. 12th, Phila., Pa.

## Batteries (Stamp)

See Mills, Stamp

## 654— Batteries (Storage)

Acme Storage Battery Corp., Poughkeepsie, N. Y.
American Battery Co. ("Invincible"), 1134 Fulton, Chicago, Ill.
American Ever Ready Wks of Nat. Carbon Co., Thompson av, Long Island City, N. Y.
American Storage Battery Co. ("Eckstromer"), Albro, Boston, Mass.
Ashbrook Elec. Co., 4111 Ravenswood av, Chicago, Ill.
Atlas Electric Storage Battery Co., Greenville, Mich.
Bison Storage Battery Co., 24 E Ferry, Buffalo, N. Y.

BATTERIES (STORAGE)—continued

**Carsten Batteries**, 1381 Fulton, Brooklyn, N. Y.
Cincinnati Storage Battery Co., Moormann & Madison rd, Cincinnati, O.
Commercial Battery Co. ("Combat"), 759 Boston av, Chicago, Ill.
**Culver Stearns Mfg. Co., Worcester, Mass.**
Dayton Electrical Mfg. Co. ("Hubler Dayton"), Dayton, O.
Dealers Elec. Co. ("Perfection") 500 E 40th, Chicago, Ill.
**Edison Storage Battery Co. ("Edison")**, Orange, N. J.
Electric Storage Battery Co. ("Exide," "Chloride" & "Tudor Accumulator"), 19th & Allegheny av, Phila., Pa.
**Electric** Storage Supply Co., Somerville, Mass.
Electric Supply Co., 1947 E. 9th, Cleveland, O.
Fostoria Battery Co., Fostoria, O.
Fowler Lamp & Mfg. Co. ("Fowler" Motor Cars & Boats), 59 E 24th, Chicago, Ill.
**Gardiner Storage Battery Co., 50 E 51st**, Chicago, Ill.
**General Lead Batteries Co., 4 Lister av**, Newark, N. J.
General Storage Battery Co., 2005 Locust, St. Louis, Mo.
Globe Elec. Co., 195 B'way, Milwaukee, Wis.
Gould Storage Battery Co., 30 E 42nd, New York
Heissler Storage Battery Co., 2506 Cottage Grove, Chicago, Ill.
Helio Mfg. Co. ("Morrison"), 2530 N Broad, Phila., Pa.
Hinsdill Electric Co., Troy, N. Y.
Hoosier Storage Battery Co. ("Fire-Fly," "Hobo"), Evansville, Ind.
Kinetic Elec. Co., Norfolk, Va.
Kuehn & Metz, 559 W. 54th, New York.
Lincoln Storage Battery Co., Troy, N. Y.
**McCauly Storage Battery Co. ("Kremlo")**, 1060 St. Clair, Cleveland, O.
MacRae Hector C. ("Champion"), 316 St. Paul, Baltimore, Md.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Marko, Paul M. & Co., 1191 Bedford av, Brooklyn, N. Y.
Meder-Staudt Co., 649 W 43rd, New York
Mentzer J. P., 2210 S Park av, Chicago, Ill.
Michigan Storage Battery Co., 69 Atwater, E, Detroit, Mich.
Miller Storage Battery Co., Toledo, O.
Milwaukee Auto Specialty Co. ("Victor," "Masco," "Rodiuna"), 711 Chestnut, Milwaukee, Wis.
Miniature Storage Battery Co., Niagara Falls, N. Y.
Multiple Storage Battery Co., Jamaica, N. Y.
National Carbon Co. ("Columbia"), Madison av, N W, & W 117th, Cleveland, O.
Northwestern Battery Co., 530 Jefferson, Milwaukee, Wis.
Perfection Storage Battery Co. ("Perfection"), 500 E 40th, Indianapolis, Ind.
Permalife Storage Battery Co. ("Permalife"), Poughkeepsie, N. Y.
Phila. Storage Battery Co. ("Diamond Grid" for Commercial & Pleasure Vehicles), Ontario & C, Phila., Pa.
Phoenix Electric Co., 133 W Washington, Chicago, Ill.
Prest-O-Lite Co., Speedway, Indianapolis, Ind.
**Rex** Battery Co., 2505 S State, Chicago, Ill.
**St. Joseph's** Battery Co., St. Joseph, Mo.
**Salom** Electric Storage Battery Co., Niagara Falls, N. Y.
Schug Elec. Mfg. Co., 252 Larned, Detroit Mich.
Silvey Electric Co., Dayton, O.
Storage Battery Supply Co. ("Reliance," "Reliable," "Hudson Fulton," "Hudson Fulton, Jr."), 239 E 27th, New York
United States Light & Heat Corp. ("U-S-L"), Niagara Falls, N. Y.
Universal Battery Co., 3410 S La Salle, Chicago, Ill.
Vesta Accumulator Co. ("Vesta"), 2100 Indiana av, Chicago, Ill.
Victor Storage Battery Co., Rock Island, Ill.
Volkcar Storage Battery Co., 220 E 25th, Chicago, Ill.
Weber Battery Co., 3306 W Jackson blvd, Chicago, Ill.
White City Electric Co., 14 N Franklin, Chicago, Ill.
Willard Storage Battery Co. ("Willard," E. 131st & St. Clair, Cleveland, O.
Witherbee Storage Battery Co., Inc., 643 W 43d, New York
Wright Storage Battery Co., Poughkeepsie, N. Y.

## 654a— Batteries (Wet)

Edison Thos. A., Inc., Bloomfield, N. J.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Maxivolt Primary Battery Co., New York.
National Carbon Co., Cleveland, O.
Samson Electric Co., Canton, Mass.
Waterbury Battery Co. ("Waterbury Track"), Waterbury, Conn.

## 655— Battery Accessories

Heinze John O. Co. (Storage Battery Cell Testers), Springfield, O.
Hertner Electric & Mfg. Co., W 112th, Cleveland, O.
National Acme Co., 7500 Stanton av, S. E., Cleveland, O.
Storage Battery Supply Co. ("Reliance," "Reliable," "Hudson Fulton," "Hudson Fulton, Jr.") (Of All Kinds), 239 E 27th, New York

## Batting (Cotton)

See Cotton Batting

## 656— Batting (Jute)

Atlantic Jute Mills, Norfolk, Va.

## 657— Batting (Wool)

LaCrosse Woolen Mills, LaCrosse, Wis.

## 658— Bauxite

American Bauxite Co., Oliver bldg, Pitts- Pa. & Bauxite, Ark.
Binswanger H. P. 7 W 16th, New York
du Pont (E. I.) de Nemours & Co. (Acid & Heavy Chemical Sales Dept), Wilmington, Del.
**Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.**
National Bauxite Co., 35th & Gray Ferry, Phila., Pa.
Republic Mining & Mfg. Co., Harrison bldg, Phila., Pa.
Vanderbilt R. T. Co., 50 E 42nd, New York

## 659— Beaders (Flue)

Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

## 659a— Beads (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B & Sons, 364 5th av, New York
***See adv index at end of book***
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 659b— Beakers — Glass (Chemical Laboratory, etc.)

Corning Glass Works ("Pyrex"), Corning, N. Y.
Daigger A. & Co., 54 W. Kinzie, Chicago, Ill.
Eimer & Amend, 205 3rd av, New York
Fry H. C. Glass Co., Rochester, Pa.
Guernsey Earthenware Co., Cambridge, O.
International Glass Co., Millville, N. J.
Macbeth-Evans Co., Pittsburgh, Pa.
Scientific Utilities Co., 84 E. 20th, New York
Thomas, Arthur H. Co., W. Washington sq, Phila, Pa.

## 659c— Beakers (Porcelain)

Ohio Pottery Co., Zanesville, O.

## 660—Beam Heads (Pressed Steel)

Mossberg Frank Co., Attleboro, Mass.

## 661— Beams (Cultivator)

**Illinois Steel Co., 208 S La Salle, Chicago** Ill.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.

## 662—Beams (Pressed Steel, with Steel Barrels)

**American Pulley Co., 114 S Clinton, Chicago, Ill.**
**Mossberg Frank Co. (For Narrow Fabric Looms, Non-Elastic & Elastic), Attleboro, Mass.**

## 663— Bearing Parts (Roller)

Bond Foundry & Machine Co. (Bearings), Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**NORMA CO. OF AMERICA,** Anable av, Long Island City, N. Y.
*See adv index at end of book*
Railway Roller Bearing Co., Syracuse, N. Y. *See adv index at end of book*

## 663a— Bearings (Aeroplane)

Doehler Die-Casting Co. (Babbitt Lined Bronze), 9th & Court, Brooklyn, N. Y.
Fafnir Bearing Co. ("Fafnir" Ball), New Britain, Conn.
Gwilliam Co. (The), 23 Flatbush av, Brooklyn *See adv index at end of book*
Hess-Bright Mfg. Co. (Ball), Front & Erie av, Phila, Pa.
**NEW DEPARTURE MFG. CO.** ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

## 664— Bearings (Agate)

Bache-Semon & Co. (Imp), 636 Greenwich, New York
Bracher Co. (For Jewelers' Scales), Belleville, N. J.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.

## 665— Bearings (Annular)

**Auburn Ball Bearing Co., 26 Elizabeth, Rochester, N. Y.**
Federal Bearings Co., Poughkeepsie, N. Y.
Gurney Ball Bearing Co., Jamestown, N. Y.
**GWILLIAM CO. (THE),** 23 Flatbush av, Brooklyn *See adv index at end of book*
Hess Bright Mfg. Co. ("Monarch"), Front & Erie av, Philadelphia, Pa.
**NORMA CO. OF AMERICA,** Anable av, Long Island City, N. Y.
*See adv index at end of book*
Rockwell-Drake Co., Plainville, Conn.
S. K. F. Ball Bearing Co. ("S. K. F"), Hartford, Conn.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

## Bearings (Anti-Friction)

See Babbitt Metal; also Bearings, Various Kinds; also Brasses, Car & Engine

## 666—*Bearings ("Arguto" Oilless)

**ARGUTO OILLESS BEARING CO.,** Wayne Junction, Phila., Pa.
*See adv index at end of book*

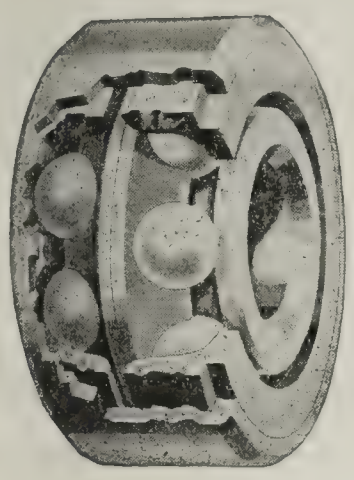
## 667—Bearings (Armature & Axle)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic av & Chestnut, Brooklyn, N. Y.
**DAMASCUS BRONZE CO.** ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
**Hess-Bright Mfg. Co. ("H. B.-D. W. F."), Front & Erie av, Phila., Pa.**
Hyatt Roller Bearing Co., Harrison, N. J.
**MORE-JONES BRASS & METAL CO.** (More-Jones "Tiger Bronze"), Broadway & Dock, St. Louis, Mo.
*See adv index at end of book*
**NORMA CO. OF AMERICA,** Anable av, Long Island City, N. Y.
***See adv index at end of book***
Railway Roller Bearing Co., Syracuse, N. Y. *See adv index at end of book*
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

## 667a—*Bearings (Automobile Crank Shaft)

Bunting Brass & Bronze Co., 738 Spencer Toledo, O. *See adv index at end of book*

# New Departure Ball Bearings



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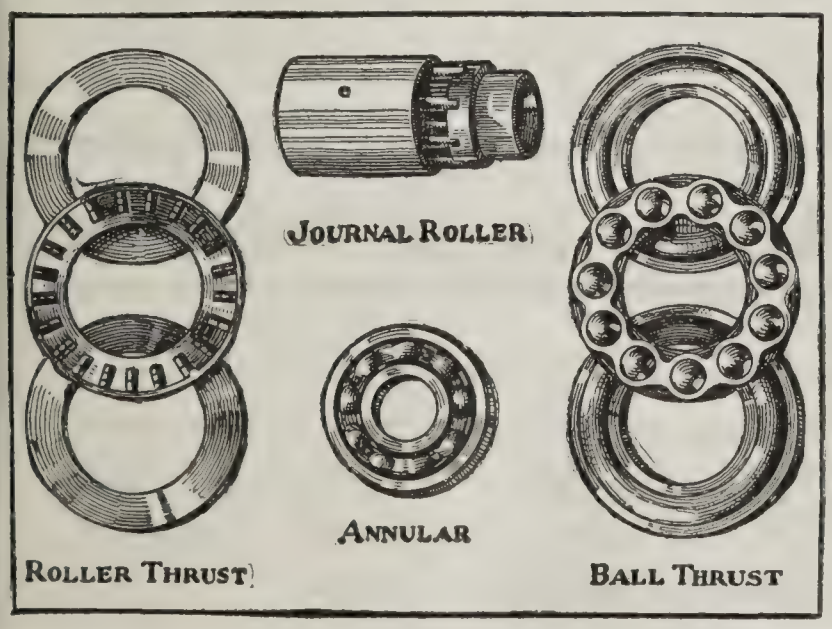
## 667b—Bearings (Babbitt Lined)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*

## 668— Bearings (Ball)

**See also Balls, Steel; also Bearings, Roller**
**Aetna Ball Bearing Mfg. Co., 213 Institute pl, Chicago, Ill.**
*See adv index at end of book*
**Ahlberg Bearing Co. ("A. B. Co."), 2636 Michigan av, Chicago, Ill.**
American Ball Co. ("American"), 115 Clifford, Providence, R. I.
**Auburn Ball Bearing Co. (Annular & Special), 26 Elizabeth, Rochester, N. Y.**
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Ball & Roller Bearing Co., 22 Maple av, Danbury, Conn.
Bantam Ball Bearing Co., Bantam, Conn.
Bearings Co., of America ("F. & S."), Lancaster, Pa.
**Boston Gear Works, (Thrust Collar, etc), Quincy, Mass**
*See adv index at end of book*
Brawley T. R., 275 20th, Brooklyn, N. Y.
**Bretz J. S. Co., 250 W 54th, New York**
Burgess & Norton Mfg. Co. (Motor Cycle, Side Car, Light Car), Geneva, Ill.
Carlson-Wenstrom Co., Erie av & Richmond, Phila., Pa.
**Chicago Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.**
Cotton States Belting & Supply Co., Atlanta, Ga.
Everhard Mfg. Co. (For Tire & Rubber Mfrs), Canton, O.
**FAFNIR BEARING CO. ("Fafnir"), New Britain, Conn.**
Federal Bearings Co., Poughkeepsie, N. Y.
Fisher Mfg. Co., East Liverpool, O.
G-A Ball Bearing Mfg. Co. ("G-A"), 3051 W. Lake, Chicago, Ill.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
**Graham Roller Bearing Co., Coudersport, Pa.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Gurney Ball Bearing Co. ("Gurney," for Heavy Duty Service), Jamestown, N. Y.
**GWILLIAM CO. (THE), 23 Flatbush av, Brooklyn, New York**
*See adv index at end of book*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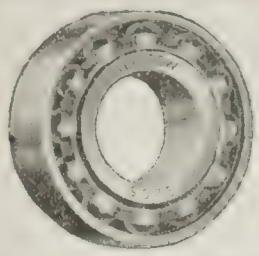

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BALL BEARINGS

BEARINGS (Ball)—continued

Harris & Reed, 1500 W 15th, Chicago, Ill.

**Hess-Bright Mfg. Co.** ("H. B.-D. W. F." Radial & Thrust), Front & Erie av, Phila., Pa.

Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.

Hubbard Machine Co. (S K F), Worcester, Mass.

**Hudson Export & Import Co.** ("R. B. F.," Imported), 1737 B'way, New York

**Imperial Bearing Co. (Annular), 1217** Forest av E., Detroit, Mich.

**International Ball & Roller Bearing Co.** (For Oil Wells), 1283 Niagara, Buffalo, N. Y.

**Johnston & Sharp Mfg. Co. (Hollow** Steel), Ottumwa, Ia.

**Jones Ball Co. (Importers), Arlington** Heights, Mass.

Marburg Bros. ("S. R. O." Imported), 90 West, New York

Matthews H. A. Mfg. Co., Seymour, Conn.

Matthews Mfg. Co., 104 Gold, Worcester, Mass.

**NEW DEPARTURE MFG. CO.** ("New Departure"), Bristol, Conn.
*See adv index at end of book*

New York Bearings Co., 311 W 59th, New York

Nice Ball Bearing Co., 30th & Nicetown, Phila., Pa.

**NORMA CO. OF AMERICA,** Anable av, Long Island City, N. Y.
***See adv index at end of book***

O. & S. Bearing Co., 526 Clay av, Detroit, Mich.

Pressed Steel Mfg. Co. ("Knipe's"), Land Title bldg, Phila., Pa.

Rhineland Machine Works Co. (Imp & Domestic), 1737 B'way, New York

**R.-I.-V. Co.** ("R.-I.-V." for Mechanical Purposes & All Rotating Parts), 1765 B'way, New York

Reebe Ball Bearing Co. Inc., 1790 B'way, New York

Rochester Ball Bearing Co., Rochester, N. Y.

Royersford Foundry & Mach. Co., Royersford, Pa.

S. K. F. Ball Bearing Co. ("S. K. F."), Hartford, Conn.

Salisbury Ball Bearing Co. ("Simplex Twin X All"), 3741 E 93rd, Cleveland, O.

Schatz Mfg. Co. ("Commercial" Annular Ball Bearings), Poughkeepsie, N. Y.

Standard Machinery Co., Providence, R. I.

**STANDARD STEEL & BEARINGS, INCORPORATED,** (Annular, etc.), 50th & Lancaster av, Philadelphia, Pa.

Symington T. H. Co. ("Baltimore"), Md. Trust bldg, Baltimore, Md.

Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

**TORRINGTON CO. (THE)** (Cup & Cone), Excelsior Plant, Successor to Excelsior Needle Co., Torrington, Conn.
*See adv index at end of book*

**Transmission Ball Bearing Co.** ("Chapman"), 1050 Military rd, Buffalo, N. Y.

U. S. Ball Bearing Mfg. Co. (Radial, Cup & Cone, Combination, Double Action, Plain Grooved & Double Direction Thrust), Palmer & Kolmar av, Chicago, Ill.

Wallace Supplies Mfg. Co. (Regrinding & Repairing), 416 Orleans, Chicago, Ill.

Worcester Pressed Steel Co. (Cups only), Worcester, Mass.

## 669—Bearings (Bronze Metal)

**Ajax Metal Co.** ("Ajax"), 46 Richmond, Phila., Pa.

**Allan A. & Son** ("Allan" for Steel Mill Service), 6th & Bergen, Harrison, N. J.

Aluminum Castings Co. ("Lynux") 2210 Harvard av, Cleveland, O.

American Bearing & Die Casting Corp., 212 W McCarthy, Indianapolis, Ind.
*See adv index at end of book*

American Bronze Corp. ("Non-Gran"), Berwyn, Pa.

American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.

Atlas Brass Foundry Co., 980 Park, Columbus, O.

Bound Brook Oil-Less Bearing Co. ("Bound Brook"), Bound Brook, N. J.

Bronze Metal Co. ("Vim"), 30 Church, New York

Buckeye Tempered Copper & Brass Co., Mansfield, O.

**BUNTING BRASS & BRONZE CO.** ("Bunting' Brass & Bronze), 738 Spencer, Toledo, O.
*See adv index at end of book*

Cramp, Wm. & Sons, Ship & Engine Bldg. Co. ("Cramp"), Beach & Ball, Philadelphia, Pa.

**DAMASCUS BRONZE CO.** ("Damascus," for Rolling Mills, Railroads & Electric Railways), N S, Pittsburgh, Pa.
*See adv index at end of book*

Dann Products Co., 1084 E 152d, Cleveland, O.

Doehler Die Casting Co., Huntington, Brooklyn, N. Y.

Ellison Brass Mfg. Co., Jamestown, N. Y.

Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*

Eureka Co., North East, Pa.

**General Aluminum & Brass Mfg. Co.** (Bronze Back Babbitt Lined), St. Aubin av, Detroit, Mich.

**Harper Thos., 204 Lafayette, New York**

Harsch John Bronze & Foundry Co., Madison av, Cleveland, O.

Highton Wm. & Sons Co. (For Automobile, Motor Boat, etc), Nashua, N. H.

Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.

Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

Lawrenceville Bronze Co., Bessemer bldg. Pittsburgh, Pa.

Light Mfg. Co. & Foundry Co. ("Automobile"), Pottstown, Pa.

BRONZE BEARINGS
That Give Better Service

**For railroads, mills, electric railways and engine builders.**

**Damascus Nickel Bronze is an alloy for all bearing requirements. Its economy for severe service has been unquestionably established.**

DAMASCUS BRONZE COMPANY
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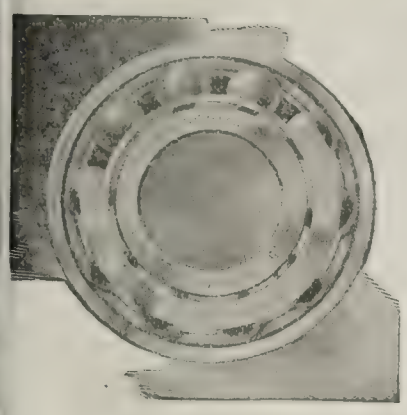
THE Publishers do everything in their power to give complete and correct information in the Register. Nevertheless, a small proportion of omissions and errors are bound to occur. ¶ Purchasing Agents, Manufacturers and others noticing such omissions or errors will receive the grateful thanks of the publishers if they will send a note to the Editor -:- -:-

# "NORMA" PRECISION BEARINGS

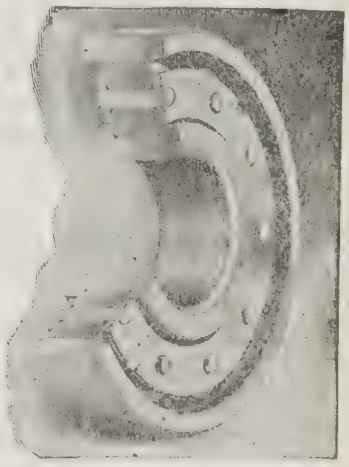


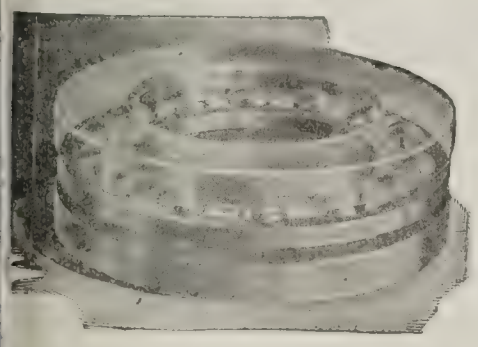
## "NORMA" BALL BEARINGS

Open type, separable bearings of extremely high precision, rigidly mounted, silent running, with every element in workmanship and design contributing to high-efficiency, long-time service; notably successful in high-speed operation, being the standard bearings with most of the leading manufacturers of high-speed electrical apparatus.

## "NORMA" ROLLER BEARINGS

Heavy-duty, high-efficiency bearings pre-eminently adapted for service where shock, jar, vibration and sudden load variations must be encountered; double the load capacity of a ball bearing of the same dimensions; temporary overload capacity up to 50 per cent of their own rating; high-speed, quiet-running units of extreme precision and maximum durability.



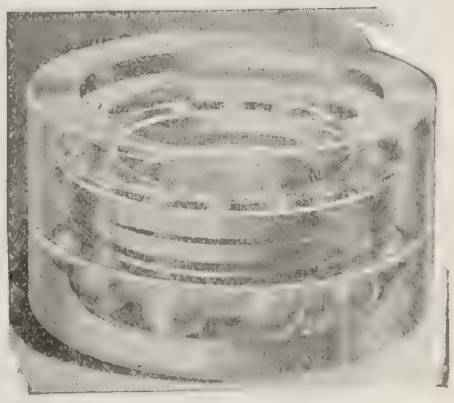


## "NORMA" THRUST BEARINGS

Precision units affording maximum anti-friction efficiency under end thrust loads; designed to afford long-service durability and silent-running qualities; made in several styles, single and double, both without housings and with housings of several types giving self-contained advantages.

## "NORMA" COMBINATION BEARINGS

Self-contained units affording perfect adjustment and maximum anti-friction efficiency under combined radial and thrust load; two types—combined annular and ball thrust, and combined roller and ball thrust; distinguished by high precision, open type construction, rigid mounting, silent running and high-speed qualities.



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"NORMA" Precision Bearings"

**THE NORMA COMPANY OF AMERICA**

**Anable Avenue, Long Island City, New York**

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THE STANDARD FOR COMPARISON

Manganese Bronze, Phosphor Bronze
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Babbitt Metals and Solder

## LUMEN BEARING COMPANY

BRASS FOUNDERS

200 LATHROP BUFFALO, N. Y.


BEARINGS (BRONZE METAL)—contd.

**LUMEN BEARING CO.**, 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*

Martin & Anson Co., 2226 Indiana av, Chicago, Ill.

Milwaukee Die Casting Co. (Bronze Shell, Babbitt Lined), 297 4th, Milwaukee, Wis.

**MORE-JONES BRASS & METAL CO.** (More-Jones "Tiger"), Broadway & Dock, St. Louis, Mo. *See adv index at end of book*

National Aluminum Co., Racine, Wis.

Nat'l Bronze & Aluminum Fdy., 2539 E 79th, Cleveland, O.

North American Smelting Co., 9th & Thompson, Phila., Pa.

Oregon Brass Works (Densemore), 73 N 2 Portland, Ore.

Pittsburgh White Metal Co., 3116 Penn av, Pittsburgh, Pa.

Brightwood Brass Foundry, Springfield, Mass.

Ryder Brass Fdry Co., Bucyrus, O.

Standard Parts Co., Cleveland, O.

Titanum Bronze Co. Inc., Niagara Falls, N. Y.

Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

### 669a—*Bearings (Bunting Bronze)

Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*

### Bearings (Car Journal)

See Bearings, Journal

### 670— Bearings (Collar Oiling)

Hill Clutch Co. ("Hill"), W. 65th, Cleveland, O.

Weller Mfg. Co., 1856 N Kostner av, Chicago

### 671—Bearings (Combined Radial & Thrust)

Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.

Gurney Ball Bearing Co., Jamestown, N. Y.

Hess Bright Mfg. Co. ("Hess-Bright"), Front & Erie, Philadelphia, Pa.

**NEW Ddeparture MFG. CO.** ("New Departure"), Bristol, Conn. *See adv index at end of book*

**NORMA CO. OF AMERICA**, Anable av, Long Island City, N. Y. *See adv index at end of book*

Teetsow Bearings Co., 154 Nassau, New York *See adv index at end of book*

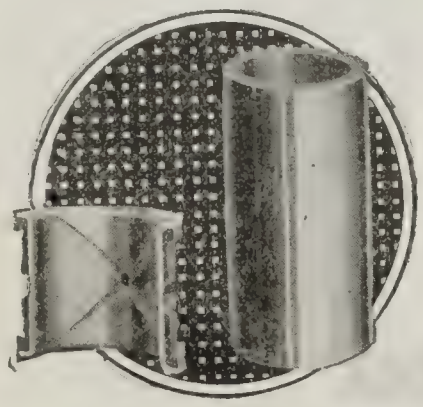
### 672—Bearings (Common Flat Box)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa. *See adv index at end of book*

Cotton States Belting & Supply Co., Atlanta, Ga.

**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*

Link Belt Co., 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

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and
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Made-to-order by special process in lots of 50 to a carolad—137 sizes of straight-dimension bushings carried in stock. Ask for "In Stock List R."

THE BUNTING BRASS AND BRONZE CO.

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## 673— Bearings (Die Cast)

American Bearing Die Casting Corp., 212 W McCarthy, Indianapolis, Ind.
*See adv index at end of book*

CENTRIFUGAL PATENT
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PROCESS FORCE
Bronze Iron & Steel Backed Bearings
Die Cast Bearings
Die Cast Parts
AMERICAN BEARING & DIE CASTING CORPORATION
INDIANAPOLIS, IND., U. S. A.

Doehler Die Casting Co., Huntington, Brooklyn, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
Franklin Die Casting Corp. (Motor), 101 Magnolia, Syracuse, N. Y.
Legler-Eilerman Co., Dayton, O.
Light Mfg. & Foundry Co., Pottstown, Pa.
**Milwaukee Die Casting Co., 297 4th, Milwaukee, Wis.**
Modern Die & Tool Co., 202 S Penn, Indianapolis, Ind.
Stewart Mfg. Co., 4535 Fullerton av, Chicago, Ill.
Wing J. T. & Co., 19 Woodward av, Detroit. Mich.

## 674— Bearings (Drop Hanger)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Cotton States Belting & Supply Co., Atlanta, Ga.
Link-Belt Co., 329 W. 39th, Chicago, Ill., & Hunting Park av & P. R. Ry, Phila., Pa.
*See adv index at end of book*

## 675—Bearings (Electrical, Motor, Etc.)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
**ARGUTO OILLESS BEARING CO.** ("Arguto," Oilless), Wayne Junction, Philadelphia, Pa.
*See adv index at end of book*
Bantam Ball Bearing Co. (Ball), Bantam, Conn.
Bound Brook Oil-Less Bearing Co. "Bound Brook," "Nigrum," Oilless), Bound Brook, N. J.
Brady Brass Co. (For Street Railway, etc), 170 14th, Jersey City, N. J.
Bronze Metal Co. ("Vim"), 30 Church, New York
Bunting Brass & Bronze Co. (Auto, Motor Cycle, etc), 738 Spencer, Toledo, O.
*See adv index at end of book*
Columbia Machine Works & Malleable Iron Co. (For Armatures, etc), Atlantic av & Chestnut, Brooklyn, N. Y.
**DAMASCUS BRONZE CO.** ("Damascus"), N S Pittsburgh, Pa.
*See adv index at end of book*
Dann Products Co., 1084 E 152nd, Cleveland, O.
Electric Materials Co., North East, Pa.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.
General Aluminum & Brass Mfg. Co., St. Aubin av, Detroit, Mich.
Harper Thos., 204 Lafayette, New York
Holmes Fibre Graphite Mfg. Co., 5155 Wakefield, Gtn. Phila., Pa.
Hyatt Roller Bearing Co., Harrison, N. J.
**LUMEN BEARING CO.** ("Lumen," Bronze), 200 Lathrop, Buffalo, N. Y.
*See adv index at end of book*

**MORE-JONES BRASS & METAL CO.** ("Arctic" Electrical Motor, etc.), B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Muzzy-Lyon Co., Ltd., 161 Larned, W Detroit, Mich.
Nat'l Bronze & Aluminum Fdy. Co., 2539 E 79th, Cleveland, O.
**NEW DEPARTURE MFG. CO.** ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Phosphor-Bronze Smelting Co., 2200 Washington av, Phila., Pa.
Railway Roller Bearing Co., Syracuse, N. Y. *See adv index at end of book*
Reeves Paul S. & Co. (Brass, Bronze & Phosphor Bronze), 1415 Catherine, Phila., Pa.
Ridlon Frank Co. ("Ridlon," Bronze & Composition), 251A, Boston, Mass.
Riverside Metal Co. (Brass Bronze & Phosphor Bronze), Riverside, N. J.
S. K. F. Ball Bearing Co. ("S. K. F."), Hartford, Conn
St. Louis Car Co. (Spiral), 8000 N B'way, St. Louis, Mo.
Standard Parts Co., Cleveland, O.
Symington T. H. Co. ("Baltimore," Center & Side), Md. Trust bld, Baltimore, Md.
Taylor Elec. Truck Co. ("Taylor," Journal), Troy, N. Y.
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*
Titanum Bronze Co. Inc., Niagara Falls, N. Y.
Traction Materials Co., 501 5th av, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 675a—Bearings (For Automobile Axles, Transmission, etc)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co. (Transmission), Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**BUNTING BRASS & BRONZE CO.,** 738 Spencer, Toledo, O.
*See adv index at end of book*
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
**FAFNIR BEARING CO. ("Fafnir"), New Britain, Conn.**
Gurney Ball Bearing Co., Jamestown, N. Y.
Gwillian Co. (The), 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*
**NEW DEPARTURE MFG. CO.,** ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Standard Parts Co., Cleveland, O.
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

## 675b—Bearings (For Automobile Magnetos & Starters)

Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
**FAFNIR BEARING CO. ("Fafnir"), New Britain, Conn.**
Gurney Ball Bearing Co., Jamestown, N. Y.
Gwilliam Co. (The), 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*
**NEW DEPARTURE MFG. CO.** ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Teetsow Bearings Co., Inc., 154 Nassau, New York
*See adv index at end of book*

## 675ba— Bearings (For Farm Tractors)

Gwilliam Co. (The), 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*
New Departure Mfg. Co. ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

## 675c—Bearings For Machines & Machine Tools

Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
**FAFNIR BEARING CO. ("Fafnir," For Machines of Every Description), New Britain, Conn.**
**GWILLIAM CO. (THE),** 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*
**NEW DEPARTURE MFG. CO.** ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Railway Roller Bearing Co., Syracuse, N. Y. *See adv index at end of book*
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

## 675d—*Bearings (For Orphan Cars)

**GWILLIAM CO.** (Ball & Roller), 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*

## 676— Bearings (Graphite)

Bound Brook Oil-Less Bearing Co. ("Bound Brook"), Bound Brook, N. J.
Edna Brass Mfg. Co., Cincinnati, O.
Holmes Fibre Graphite Mfg. Co., 5155 **Wakefield, Phila., Pa.**

## 677—Bearings (Hanger Parts)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Cotton States Belting & Supply Co., Atlanta, Ga.
Dann Products Co., 1084 E. 152nd, Cleveland, O.
Link-Belt Co., 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*

## Bearings (Hard Fibre)

See Fibre, Hard

## 678— Bearings (High Speed)

Hill Clutch Co., W. 65th, Cleveland, O.
Railway Roller Bearing Co., Syracuse, New York *See adv index at end of book*

## 679— Bearings (Journal)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Allan A & Son ("Allan," Bronze), 6th & Bergen, Harrison, N. J.
Am. Safety Lamp & Mine Supply Co., Scranton, Pa.
**ARGUTO OILLESS BEARING CO.** ("Arguto," Oilless), Wayne Junction, Philadelphia, Pa.
*See adv index at end of book*
Atkinson Co. ("Plata"), Rochester, N. Y.
Aurora Metal Co., Aurora, Ill.
Bantam Ball Bearing Co. (Roller), Bantam, Conn.
Besly Chas. H. & Co. ("Helmet"), 120 N Clinton, Chicago, Ill.
Blake Edwin J. (Car & Locomotive), Hartford, Conn.
Bond Foundry & Machine Co. ("Bond," Solid Journal or Post Bearing), Manheim, Lancaster Co., Pa.
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum." Oilless), Bound Brook, N. J.
Brady Brass Co., 170 14th, Jersey City, N. J.
Brightwood Brass Foundry ("Brightwood" Bronze), Springfield, Mass.
Bronze Metal Co. ("Vim" Metal), 30 Church, New York
Brown A. & F. Co., 79 Barclay, New York.
Chain Belt Co. (Solid), Milwaukee, Wis.
Chicago Bearing Metal Co. ("Graphose" Bronze Railway Car), 2220 W 43rd, Chicago, Ill.
Climax Bearing Co. ("Camel"), Vinton bldg., Detroit, Mich.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Cotton States Belting & Supply Co., Atlanta, Ga.
**DAMASCUS BRONZE CO.** ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Dodge Sales & Engineering Co., Mishawaka, Ind.
Edna Brass Mfg. Co. ("Porteous," Graphite), Cincinnati, O.
Eureka Brass Co., 601 Red Bud av, St. Louis, Mo.
Eureka Co., North East, Pa.
Falcon Bronze Co., Youngstown, O.
Fitz Gerald John L., Albany, N. Y.
Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park blvd, St. Louis, Mo.
Graham Jas. & Co., New Haven, Conn.

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"In April and November, 1908, we placed two Arguto Bushings in loose pulleys on saw countershafts running 600 revolutions per minute—

"These have been in constant use since above dates, and show no wear whatever—

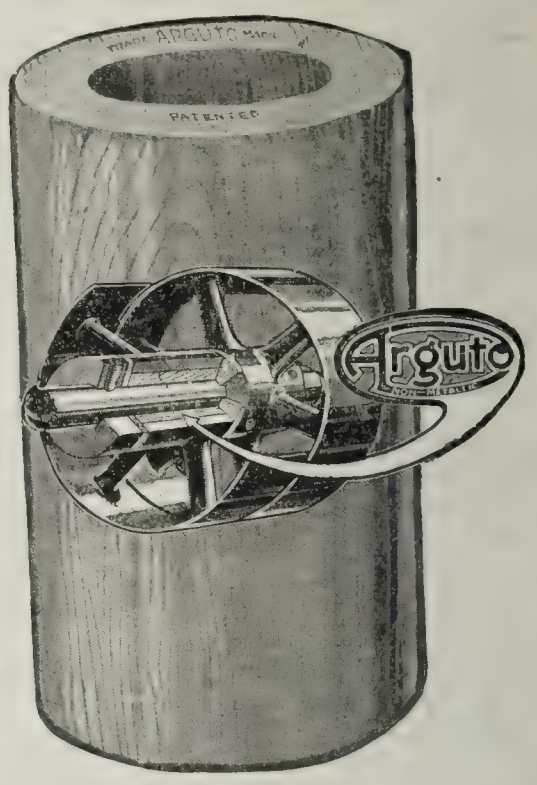
"These pulleys have *never* been oiled."

## OILLESS Arguto BEARINGS

The above is quoted from a letter recently received from an old customer. The two bushings were 2-11/16 x 6 inches with a 1-15/16 inch bore. Theirs is a typical record of ARGUTO performance.

## ARGUTO OILLESS BEARING CO.

144 Berkley Street Wayne Junction, Philadelphia




Outwears the best bronze metal
Smoother than grease


BEARINGS (JOURNAL)—continued

Gwilliam Co. (The), 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*

Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*

Hill Clutch Co., W. 65th, Cleveland, O.

Hyatt Roller Bearing Co., Harrison, N. J.

**KEYSTONE BRONZE CO.** (Car & Rolling Mill), 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

**LUMEN BEARING CO.**, 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*

McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.

Magnus Co., 945 Griffin, Detroit, Mich.

Meneely Geo. R. & Son, Watervliet, N. Y.

Mobile Stove & Pulley Mfg. Co., Mobile, Ala.

**MORE-JONES BRASS & METAL CO.** ("Pullman"), B'way & Dock, St. Louis, Mo. *See adv index at end of book*

Muzzy-Lyon Co., Ltd., 161 Larned, W Detroit, Mich.

Nat'l Bronze & Aluminum Fdy. Co., 2539 E 79th, Cleveland, O.

National Lead Co., 111 B'way, New York

Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.

North American Smelting Co. (Car Bearings), 9th & Thompson, Phila., Pa.

Oregon Brass Works, 73 N 2nd, Portland, Ore.

Paragon Metal Co., 3050 S Ashland av, Chicago, Ill.

Phosphor Bronze Smelting Co., 2200 Washington av, Phila., Pa.

Prier Brass Mfg. Co., Kansas City, Mo.

Railway Roller Bearing Co. (Car Journal), Syracuse, N. Y.
*See adv index at end of book*

Reeves Paul S. & Co. (Brass, Bronze & Phosphor Bronze), 1415 Catharine, Phila., Pa.

Riverside Metal Co. (Brass, Bronze & Phosphor Bronze), Riverside, N. J.

Royersford Foundry & Machine Co., Royersford, Pa.

St. Louis Car Co. (Spiral), 8000 N B'way, St. Louis, Mo.

Spacke Machine & Tool Co., Indianapolis, Ind.

Taylor Electric Truck Co., Troy, N. Y.

Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

Titanum Bronze Co., Inc., Niagara Falls, N. Y.

Watson Frye Co., Ltd., Bath, Me.

Waynesboro Foundry & Machine Co., Waynesboro, Pa.

Wolf Co., Chambersburg, Pa.

Wood's T. B. Sons Co., Chambersburg, Pa.

### 680— Bearings (Lead Lined)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.

**DAMASCUS BRONZE CO.** ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*

Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.

Riverside Metal Co., Riverside, N. J.

### 681—*Bearings (Lumen Bronze)

**LUMEN BEARING CO.**, 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*

### Bearings (Motor)

See Bearings, Electrical, Motor, Etc

### 682— Bearings (Oilless)

**ARGUTO OILLESS BEARING CO.** ("Arguto"), Wayne Junction, Phila., Pa. *See adv index at end of book*

Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum"), Bound Brook, N. J.

Dann Products Co., 1084 E 152nd, Cleveland, O.

Electric Railway Equip Co., Cincinnati, O.

Metaline Co. ("Metaline"), West av, Long Island City, N. Y.

New York Oilless Bearing Co. (Roller), 126 Liberty, New York

Nolu Oilless Bearing Co., 6 E Johnson, Germantown, Phila., Pa.

Non-Metallic Oilless Bearing Co. of Mass., Newtonville, Mass.

### 683-4— Bearings (Pillow Block)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*

Cotton States Belting & Supply Co., Atlanta, Ga.

**JEFFREY MFG. CO.** (Ball & Socket, Chain Oiling Rigid, Ring, Oiling Rigid, Plain & Wick Oiling, Graphite Sheet Lubricator Bearings), 961 N Fourth, Columbus, O.
*See adv index at end of book*

Link-Belt Co., 39th & Stewart av, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*

### 685— *Bearings (Post)

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*

### 686— Bearings (Post Hanger)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*

Cotton States Belting & Supply Co., Atlanta, Ga.

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*

### 687—Bearings (Radio Thrust)

Gurney Ball Bearing Co., Jamestown, N. Y.

Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

### 688— Bearings (Ring Oiling)

Bailey-Burruss Mfg. Co., Atlanta, Ga.

Barnard & Leas Mfg. Co., Moline, Ill.

Black-Clawson Co., Hamilton, O.

**BOND FOUNDRY & MACHINE CO.** (Ball & Socket, etc.), Manheim, Lancaster Co., Pa. *See adv index at end of book*

Cotton States Belting & Supply Co., Atlanta, Ga.

**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park & P & R Ry, Phila., Pa.
*See adv index at end of book*

Royersford Foundry & Machine Co., Royersford, Pa.
Woods T. B. Sons Co., Chambersburg, Pa.

## 689— Bearings (Roller)

See also Bearing, Ball; also Bearings, Side

Accurate Engineering Co., 5401 Western av. bldg, Chicago, Ill.
American Roller Bearing Co., Baum & Melwood, Pittsburgh, Pa.
Ball & Roller Bearing Co., Danbury, Conn.
Bantam Ball Bearing Co., Bantam, Conn.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Bower Roller Bearing Co. (Automobile & Vehicle), 642 Hart av., Detroit, Mich. Mich.
Chicago Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.
Cotton States Belting & Supply Co., Atlanta, Ga.
Easton Car & Construction Co. (Brass & Selfoiling), 198 Fulton, New York
*See adv index at end of book*
Federal Bearings Co., Poughkeepsie, N. Y.
Gilliam Co., Canton, O.
Graham Roller Bearing Co., Coudersport, Pa.
Gustafson Mfg. Co., Chattanooga, Tenn.
**GWILLIAM CO. (THE)**, 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*
Hyatt Roller Bearing Co., Harrison, N. J.
Lincoln Steel & Forge Co. (Mine Car Trucks), 5701 Natural Bridge av, St. Louis, Mo.
McCulloch A. P. Machine Co. (Special), 216 High. Boston, Mass.
Makutchan Roller Bearing Co. (For Factory Power Transmission Machines, Automobiles, Tractors, Machines etc.) ("Twinro," "Twinline"), Joliet, Ill.
National Acme Co., 7500 Stanton av, Cleveland, O.
New York Oilless Bearing Co. (Oilless), 126 Liberty, New York
Penna. Shafting Co. ("Wright" Taper), Spring City, Pa.
Pickering Governor Co. (Roller Relief), Portland, Conn.
Railway Roller Bearing Co. ("Rollway"), Syracuse, N. Y.
*See adv index at end of book*

**We Make Roller Bearing for all Purposes**

**RAILWAY ROLLER BEARING CO.**

541 Seymour St. Syracuse, N. Y.

Reber Calvin P., Reading, Pa.
Royersford Foundry & Machine Co. ("Sells"), Royersford, Pa.
Shafer Bearing Corp., Ravensword av, at Sunnyside, Chicago, Ill.
Standard Machinery Co., Providence, R. I.
Standard Parts Co. (Taper), Cleveland, O.
**STANDARD STEEL & BEARINGS, INCORPORATED** (Improved Taper), 50th & Lancaster av, Philadelphia, Pa.
Suspension Bearing Co., Spartanburg, S. C.
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*
Timken-Detroit Axle Co. (Automobile & Truck), Clark av, Detroit, Mich.
Timken Roller Bearing Co. (Auto, Truck & Farm Tractor), Canton, O.

## 690— Bearings (Self-Oiling)

**ARGUTO OILLESS BEARING CO.** ("Arguto," Oilless), Wayne Junction, Philadelphia, Pa.
*See adv index at end of book*
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum"), Bound Brook, N. J.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Brown A. & F. Co., 79 Barclay, New York.
Caldwell W. E. Co., Louisville, Ky.
Dann Products Co., 1084 E 152nd, Cleveland, O.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Hyatt Roller Bearing Co., Harrison, N. J.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
Webster Mfg. Co., Tiffin, O.
*See adv index at end of book*
Woonsocket Mach. & Press Co., Woonsocket, R. I.

## 691— Bearings (Shaft Hanger)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Cotton States Belting & Supply Co., Atlanta, Ga.
**FAFNIR BEARING CO.** ("Fafnir"), New Britain, Conn.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
New Departure Mfg. Co. ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Nolu Oilless Bearing Co., 6 E Johnson, Germantown, Phila., Pa.
Sauer Power Generating Co., 5115-19 Rosetta, Pittsburgh, Pa.
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*
Transmission Ball Bearing Co. ("Chapman"), 1056 Military rd, Buffalo, N. Y.

## 692— Bearings (Side)

American Steel Foundries ("Susemihl"), McCormick bldg, Chicago, Ill.
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum"), Bound Brook, N. J.
Cardwell Mfg. Co. ("Cardwell Rocker"), 332 S Michigan av, Chicago, Ill.
Chicago Railway Equipment Co. ("Creco" Roller), 1928 W 46th, Chicago, Ill.
Joliet Railway Supply Co. ("Perry," Automatic Frictionless), Joliet, Ill.
Miner W. H., The Rookery, Chicago, Ill.
Pressed Steel Car Co. (Pressed Steel), 307 5th av, Pittsburgh, Pa.
St. Louis Car Co. ("St. Louis"), 8000 N B'way, St. Louis, Mo.
Standard Car Truck Co. ("Barber" Roller Bearing), 332 S Michigan av, Chicago, Ill.
Stucki A. ("Stucki"), Oliver bldg, Pittsburgh, Pa.
Symington T. H. Co. ("Baltimore"), Md. Trust bldg, Baltimore, Md.
Western Steel Car & Foundry Co. (Pressed Steel), 1122 S Michigan, Chicago, Ill.
Wine Railway Appliance Co. (Frictionless), Toledo, O.
Woods Edwin S. & Co. ("Woods" Roller), 332 S Michigan av, Chicago, Ill.

## 693—Bearings (Spiral Conveyor)

Cotton States Belting & Supply Co., Atlanta, Ga.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

## 693a— *Bearings (Step)

**GWILLIAM CO (THE)**, 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*

## 694— Bearings (Take-Up)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Cotton States Belting & Supply Co, Atlanta, Ga.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*

## 694a—*Bearings (Textile Machinery)

Gwilliam Co. (The), 23 Flatbush av, Brooklyn, New York
*See adv index at end of book*
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*

## 695— Bearings (Thrust)

Aetna Ball Bearing Mfg. Co., 213 Institute pl, Chicago, Ill.
*See adv index at end of book*

**AETNA BALL BEARING MANUFACTURING CO.**

*Manufacturers of*

THRUST BALL BEARINGS

213-231 Institute Place Chicago

American Ball Co. ("American"), 115 Clifford, Providence, R. I.
Auburn Ball Bearing Co. ("Auburn" Ball Bearing), 26 Elizabeth, Rochester, N. Y.
Bantam Ball Bearing Co., Bantam, Conn.
Bailey Geo. D. Co. (Ford), 4500 Ravenswood av, Chicago, Ill.
Bearings Co. of America ("Star" & "F & S"), Lancaster, Pa.
Boston Gear Works (Thrust Collar), Quincy, Mass.
*See adv index at end of book*
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum"), Bound Brook, N. J.
Continental Fibre Co. (Also Plain Fibre), Newark, Del.
*See adv index at end of book*
Dann Products Co., 1084 E 152nd, Cleveland, O.
Fafnir Bearing Co. ("Fafnir"), New Britain, Conn.
G-A Ball Bearing Mfg. Co., 3051 W Lake, Chicago, Ill.
Graham Roller Bearing Co., Chicago, Ill. (for Ford and Chevrolet Cars, Coudersport, Pa.)
**GWILLIAM CO. (THE)**, 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*
Hess-Bright Mfg. Co. ("H. B.-D. W. F.," Ball Bearing), Front & Erie av, Phila., Pa.
Hill Clutch Co., W 65th, Cleveland, O.
International Engineering Works ("R. B. F."), 15 Park Row, New York
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
Nat'l Fibre & Insulation Co., Yorklyn, Del.
**NORMA CO. OF AMERICA**, Anable av, Long Island City, N. Y.
*See adv index at end of book*
Poole Engineering & Mach. Co., Woodberry Station, Baltimore, Md.
Pressed Steel Mfg. Co. (Ball Bearing), Land Title bldg, Phila., Pa.
Railway Roller Bearing Co., Syracuse, N. Y. *See adv index at end of book*
Rhineland Machine Works Co. ("Rhineland" Double Acting), 1737 B'way, New York
R.-I.-V. Co. ("R.-I.-V." for Mechanical Purposes), 1765 B'way, New York
Rochester Ball Bearing Co., Rochester, N. Y.
S. K. F. Ball Bearing Co. ("S. K. F.") Hartford, Conn.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Standard Machinery Co., Providence, R. I.
Teetsow Bearings Co., Inc., 154 Nassau, New York *See adv index at end of book*
U. S. Ball Bearing Mfg. Co. (Ball Bearing), 4535 Palmer, Chicago.

## 695a— *Bearings (Tractor)

**BUNTING BRASS & BRONZE CO., 738** Spencer, Toledo.
*See adv index at end of book*
Gwilliam Co. (The), 23 Flatbush av, Brooklyn, N. Y.
*See adv index at end of book*

## 695b— *Bearings (Wood)

**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*

## 696—Beaters (Carpet & Rug)

**Andrews Iron & Wire Works, Rockford, Ill.**
Automatic Wire Goods Mfg. Co. (Wire), 13-15 Canal pl, New York
*See adv index at end of book*
**Barlow & Kent Co., Urbana, O.**
**Basket Importing Co., 119 W 23rd, New York**
**Beats All Mfg. Co. ("Beats All"), Fairmont, Minn.**
**Cassady Fairbank Mfg Co. (Wire), 6126 S La Salle, Chicago, Ill**
**Catawissa Specialty Mfg. Co., Catawissa, Pa.**
**Cooley Mfg. Co., 551 W Monroe, Chicago, Ill.**
**Dawson J. R. Mfg. Co., Fairhill Station, Philadelphia, Pa.**
Ely Theo. J. Mfg. Co., Girard, Pa.
**Erie City Mfg. Co., Erie, Pa.**
**Fernald Mfg. Co. ("Hilton"), North East, Pa.**
**Hamblin & Russell Mfg. Co., Worcester, Mass.**
**Hessler H. E. Co., Syracuse, N. Y.**
Hilker Edward Mop Co., 2614 W Grand av, Chicago, Ill.
Hollow Cable Mfg. Co. ("Preston's" Braided Wire), Hornell, N. Y.
Holt-Lyon Co. ("Cleaner" Wire), Tarrytown, N. Y.
Malin & Co. ("Malin's" Braided Wire), 2514 Vestry av, Cleveland, O.
**Parker Wire Goods Co. (Wire), Worcester, Mass.**
Racine Iron & Wire Works, Racine, Wis.
Reading Saddle & Mfg. Co. ("Reading" Carpet Whip), Reading, Pa.
Ressler G. S. & Co., Lansing, Mich.
Smith & Phillips Mfg. Co. ("World Beater," "Polished Spring Wire"), 1008 W Madison, Chicago, Ill.
Spring Handle Co., Abingdon, Ill.
Standard Wire Co. ("Gem" Wire), New Castle, Pa.
Steinfeld Bros. (Wire), 116 W 32nd, New York
Streeter N. R. & Co. ("Sensible" Coil Spring), Rochester, N. Y.
**Thum Chas. D., 150 N 3d, Philadelphia, Pa.**
**Thurnauer G. M. Co. (Rattan), 6 E 20th, New York**
Utility Mfg. Co., Sturgis, Mich.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Wilson Mfg. Co., Niles, O.**
**Woods-Sherwood Co. ("Sherwood's" Wire), Worcester, Mass.**
Zinn Charles & Co., 893 B'way, New York

## 697—Beaters (Egg & Cream)

**A. & J. Mfg. Co. ("A. & J." Egg Beater & Cream Whip), Binghamton, N. Y.**
**Bridgeport Wire Goods Co., East Port Chester, Conn.**
**Browne W. G. Mfg. Co. ("Cyclone"), Kingston, N. Y.**
**Cassady Fairbank Mfg. Co. ("Turbine"), 6126 S La Salle, Chicago, Ill.**
Chapman Co. ("Chapman"), Geneva, N. Y.
**Christy Knife Co. ("Christy"), Fremont, O.**
Continental Co., Book bldg, Detroit, Mich.
Cream Whip Co, 1276 W 3rd, Cleveland, O.
Darby Edw. & Sons Co., 412 N 18th, Philadelphia, Pa.
**Dawson J. R. Mfg. Co. ("Surprise"), Fairhill Sta., Philadelphia, Pa.**
**Dover Stamping & Mfg. Co. ("New Dover" for Family Use & "Leviathan Dover" for Confectioners), Cambridge, Mass.**
**Dunlap J. S., 334 S Clinton, Chicago, Ill.**
**Fries Geo. Sons, 222 S Front, Philadelphia, Pa.**
**Giles & Nielsen Nickel Works ("Clipper"), Troy, N. Y.**
**Hamblin & Russell Mfg. Co. ("Dover"), Worcester, Mass.**
Holt-Lyon Co. ("Holts Improved Dover," "Lyon" Holt's Jar Cream Whip & Butter Mergers, "E Z Y" Ball-Bearing), Tarrytown, N. Y.
Kohler Die & Specialty Co. (Cream), De Kalb, Ill.
Landers, Frary & Clark ("Dover"), New Britain, Conn.
Meek Mfg. Oven Co., Newburyport, Mass.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
National Indicator Co. ("S & S"), 852 Vernon av, Bklyn, N. Y.
Novelty Mfg. Co. ("Cosmos"), Waterbury, Conn.
Parker Wire Goods Co. ("Dover," Hotel & Family, also Wire Egg Beaters & Whips), Worcester, Mass.
Parkesburg Stamping & Mfg. Co. ("Up-to-Date"), Parkesburg, Pa.
Racine Confectioners' Machinery Co., Racine, Wis.
Racine Iron & Wire Works, Racine, Wis.
Roberts Lightning Mixer Co. ("Roberts"), 39 Pearl, Boston, Mass.
Roseland Can & Specialty Co. ("Double Quick"), Rockford, Ill.
Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.
**Standard Egg Co. ("Silver Pattern"), 26 So Market, Boston, Mass.**
Standard Wire Co., New Castle, Pa.
Star Specialty Co., Ashland, O.
Taplin Mfg. Co. ("Dover," "Tumbler," "Light Running," "Taplin"), New Britain, Conn.
Thurnauer G. M. Co. ("Rover's"), 6 E 20th, New York
Turner & Seymour Mfg. Co. ("T. & S. Dover"), Torrington, Conn.
Wickwire Spencer Steel Corp. ("Diamond"), Worcester, Mass.
*See adv index at end of book*
Wire Goods Co. ("Dover" & Wire), Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Woods-Sherwood Co. ("Sensible" & "Surprise" Beaters & Whip), Worcester, Mass

## 698-9— Beaters or Whisks (Isinglass)

Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

## Bed Plates

See Roll Bars & Bed Plates, Paper Mill
Art Bedstead Co. (Chair Folding), 37th & Rockwell, Chicago, Ill.

## Beds (Spring)

See Mattresses, Woven Wire

## 700 — Beds (Wall)

American Wall Bed Co., 1339 W 21st, Chicago, Ill.
Limpton H. E. & Co., 578 Monadnock bldg, San Francisco, Cal.
Marshall & Stearns, Phelan Bldg, San Francisco, Cal.
Pacific Spring Bed Co., Berkeley, Cal.

## 701—Bedstead Mfrs. (Brass or Iron)

### ARKANSAS.

FORT SMITH—Ward Furniture Mfg. Co. (Brass & Iron)

### CALIFORNIA.

LOS ANGELES—Van Vorst C. B. Co. (Brass & Iron)
SAN FRANCISCO—Bernhard Mattress Co. (Iron), 739 Mission
California Artistic Metal & Wire, 349 7th
Rudgear-Merle Co. (Brass & Iron), 198 Bay

### CONNECTICUT.

SHELTON—Whitcomb Metallic Bedstead Co. (Brass & Iron)

### GEORGIA.

ATLANTA—Gholstin Spring & Mattress Co. (Iron)
Greenpoint Metallic Bed Co

### ILLINOIS.

BRADLEY—Turk Jos. Mfg. Co. (Iron, Steel & Brass)
CHICAGO—American Metal Ware Co. (Brass), 368 W Huron
Art Bedstead Co. (Brass & Iron), 37th & Rockwell
Davis, Horwich & Steinman (Iron), 2236 La Salle
Haggard & Marcusson Co (Iron), 1109 W. 37th, Chicago, Ill.
**Horn Bros. Mfg. Co. (Iron), 1144 W Superior**
Union Wire Mattress Co. (Iron), Blackhawk & Cherry
PEORIA—Peoria Lounge & Mattress Co. (Iron)

### INDIANA.

EVANSVILLE—Evansville Metal Bed Co. (Brass & Iron)
Metal Furniture Co. ("Hygiene")
MARION—Harwood-Barley Mfg. Co.
MOORESVILLE—Indiana Brass & Iron Bed Co. (Brass & Iron)

### KENTUCKY.

LOUISVILLE—Belknap Hardware & Mfg. Co. (Brass & Iron)

### LOUISIANA.

NEW ORLEANS—Crescent Bed Co., Ltd., (Iron), 2662 Gravier
Magee Mfg. Co. (Brass & Iron), 1518 Tcoupt
Orleans Metal Bed Co. Ltd., 518 City Park

### MARYLAND.

BALTIMORE—Foster Bros. Mfg. Co. (Brass & Iron), 320 N Holliday
Southern-Rome Co., 623 W Pratt

### MASSACHUSETTS.

BOSTON—Bent G. W. Co. (Brass & Iron), 93 Causeway
Boston Metallic Bed Co. (Iron), 90 Canal
Merrimac Mattress Mfg. Co. (Iron), 129 Portland
Richardson, Wright & Co. (Iron), 65 Beverly
WESTBORO — Foster-Richardson Co. (Brass & Iron)

### MICHIGAN.

DETROIT—Jenks & Muir Mfg. Co. (Brass & Iron), 1441 Hastings

### MINNESOTA.

MINNEAPOLIS—Gangelhoff Bros. (Brass & Iron), 909 S. 2nd
Minneapolis Bedding Co. (Brass & Iron), E Henn av & S E 5th
Salisbury & Satterlee Co. (Iron), 201 S E Main
RED WING—Red Wing Mfg. Co. (Brass & Iron)
ST. PAUL—United States Bedding Co. (Iron)

### MISSOURI.

KANSAS CITY—Brown Bed Mfg. Co. (Brass & Iron)
ST. LOUIS—American Bed Co. (Brass & Iron), 1820 McNulty
Foster Bros. Mfg. Co. (Iron), Broadway & Buchanan
Mellon & Storm Mfg. Co., 10th & Mullanphy
Smith & Davis Mfg. Co. (Iron), 20th & Locust
St. Louis Bed & Mfg. Co., 2007 Railway Exchange

### NEW JERSEY.

BAYONNE—Knickerbocker Metallic Bed. Co.
JERSEY CITY—Mersereau Metal Bed Co., (Brass & Iron), 292 Johnston av
New York Metallic Bedstead Co., 198 Pacific av
NEWARK—American Metal Bed Co. ("Snow White"), 20 Clifton
Newark Spring Mattress Co., 84 Madison

### NEW YORK.

ALBANY—Hasselbarth C. O. (Brass & Iron)
BUFFALO—Barcalo Mfg. Co. (Brass & Iron)
Hard Mfg. Co. (Iron), 117 Tonawanda
Otis Bed Mfg. Co., 170 Florida
MECHANICSVILLE—Eckerson Bedding Co. (Iron)

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Gasau Thompson Co., 10 Ashland pl
Greenpoint Metallic Bed Co. (Brass & Iron), 226 Franklin
Royal Metal Furniture Co. (Brass & Iron), 125 8th
Schlesinger W. S. & Co., Richardson
Weisglass Samuel & Co., 13 Montauk av

#### Manhattan and The Bronx.

NEW YORK—Hall Frank A. & Sons (Im), 120 Baxter
Hudson Metal Bed Co. (Brass & Iron), 116 W 39th
New York Couch Bed Co., 418 W 25th
Ostermoor & Co. (Brass & Iron), 116 Elizabeth
Rogers C. P. & Co. (Brass & Iron), 14 E 33rd
Schlesinger W. & S. & Co. (Iron), 382 2nd av
Somelastique Bedding Co. (Iron), 301 E 22d

#### Borough of Queens.

LONG ISLAND CITY—Manhattan Bedding Co. (Brass & Iron), Anable av
ROCHESTER—Rochester Brass Bed Co. (Brass)
ROME—Rome Metallic Bedstead Co. (Brass & Iron)
TRUXTON—Bryant Furniture Co. (Iron)
UTICA—Foster Bros. Mfg. Co. (Iron, & Brass)
Hasselbarth-Whiton Co.

### NORTH CAROLINA.

HIGH POINT—High Point Metallic Bed Co,
WINSTON SALEM—Forsyth Iron Bed Co. (Brass & Iron)

### OHIO.

ASHLAND—Kauffman Mfg. Co. (Iron)
CINCINNATI—Hunt M. A. Co. (Brass & Iron), Dempsey & C. H. & D. Ry. Nunner & Ashton Co. (Brass & Iron), 417 E Pearl
CLEVELAND—Forest City Bedstead Co., 1197 W 67th

### PENNSYLVANIA.

BUTLER—Pittsburgh Hickson Co.
CORRY—Kurtz Brass Bed Co. (Ltd.)
HARRISBURG — Boll Bros. Mfg. Co. (Brass & Iron)
PHILADELPHIA—Bernstein Mfg. Co. (Brass & Iron), 3d & Allegheny
Bunting J. R. Bedding Co. (Iron), 1505 Wharton
Dougherty H. D. & Co. ("Faultless" Brass & Iron), 17th & Indiana
McMahen Wm. H. (Brass & Iron), 244 S 2d
PITTSBURGH—Pittsburgh Metal Bed Co., 1136 Brown
Pittsburgh Tube Co. (Brass or Iron), Keystone bldg. Mills: Colona, Pa.

### TENNESSEE.

CHATTANOOGA—Heron Iron Bedstead Co.

### VERMONT.

SOUTH SHAFTESBURY—Eagle Square Mfg. Co. (Steel & Iron),

### WASHINGTON.

KENT—Simplex Bed Mfg. Co. (Steel)
TACOMA—Lock Rail Iron Bedstead Co. (Iron)

### WISCONSIN.

FOND DU LAC—Winnebago Furniture Mfg. Co. (Iron)
KENOSHA—Simmons Co. (Brass & Iron)

## 702— Bee Keepers' Supplies

Blanke Mfg. & Supply Co., 3d & Washington av, St. Louis, Mo.
Dadant & Sons, Hamilton, Ill.
Falconer W. T. Mfg. Co., Falconer, N. Y.
Kretchmer Mfg. Co. (Bee Comb Foundations, Bee Hives, Honey Box Sections, Foundation Fasteners, Honey Boards, Honey Extractors, Bee Escapes, Wax Extractors, Bee Smokers, Rubber Bee Gloves, Bee Feeders, Wax Presses, Italian Bees, etc), Council Bluffs, Ia.
Leahy Mfg. Co., Higginsville, Mo.
Lewis G. B. Co., Watertown, Wis.
Lotz August & Co., Boyd, Wis.
Marshfield Mfg. Co., Marshfield, Wis.
Root A. I. Co., Medina, O.

## 703— Beeswax

American Trading Co., 25 Broad, New York
Bowdleaf W. H. Co., 69 Broad, Boston, Mass.
Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Bromund E. A. Co., 258 B'way, New York
Candy & Co. (Bleachers & Refiners), 401 N Paulina, Chicago, Ill.
Cathedral Candle Co., Syracuse, N. Y.
Chrystal Chas. B., 13 Cliff, New York.
*See adv index at end of book*
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Commercial Co., Ltd. of U. S., Imp., 295 B'way, New York
Gonzalez Andres (Imp), 82 Pine, New York
Harburger & Stack (Imported), 27 Ferry, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Jacob Chas. W. & Allison (Imp), 18 Cedar, New York
Knapp Edw. J. Candle Co., Syracuse, N. Y.
Lathrop H. R. & Co., 116 Beekman, New York
Mack, Miller Candle Co. (Bleachers & Refiners), Syracuse, N. Y.
Marty F. & Co. (Bleachers & Refiners), Syracuse, N. Y.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Root A. I. Co., Medina, O.
St. Louis Candle & Wax Co., 233 Market, St. Louis, Mo.
Scheel Wm. H. (Imported), 159 Maiden la, New York *See adv index at end of book*
Smith & Nichols (Imp), 121 Maiden la, New York
Stevenson, Bro. & Co., 110 Race, Phila., Pa.
Strahl & Pitsch (Imported), 141 Front, New York
Whittemore-Wright Co. (Imported), Charleston, Boston, Mass.
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.
Will & Baumer Co. (Bleachers & Refiners), Syracuse, N. Y.

## 704— Beeter Knives (Paper Mill)

Bolton John W. & Sons, Inc., Lawrence, Mass.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
**LUMEN BEARING CO.,** 200 Lathrop, Buffalo, N. Y.
*See adv index at end of book*

## Beetles

See Mallets, Wooden

## 704a— Bell Cord

See also Cords, Trolley, Etc

**ROEBLING'S, JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

## 705— Bell Founders

American Bell & Foundry Co. (Cast Steel), Northville, Mich.
Bell C. S. Co., Hillsboro, O.
Bevin Bros. Mfg. Co., East Hampton, Ct.
California Brass Wks (Kingwell Bros.), 450 Natoma, San Francisco, Cal.
Cincinnati Bell Foundry Co., 2933 Spring Grove av, Cincinnati, O.
East Hampton Bell Co., E. Hampton, Ct.
Fuller Frederic, 277 Brook, Providence, R. I.
Garratt W. T. & Co. 299 Fremont, San Francisco, Cal.
Gong Bell Mfg. Co., East Hampton, Ct.
Graham Jas. & Co., New Haven, Conn.
Hill N. N. Brass Co., E. Hampton, Ct.
Laughlin Thos. Co. (Ship), Portland, Me.
McShane Bell Foundry Co., Harford av & B. & O. R. R., Baltimore, Md.
Meneely Bell Co., Troy, N. Y.
Meneely & Co., Watervliet, N. Y.
Mousley's Chas. Sons, 417 N 12th, Phila., Pa.
New Departure Mfg. Co., Bristol, Conn.
*See adv index at end of book*
Ross-Meehan Foundries, Chattanooga, Tenn.
Starr Bros. Bell Co., East Hampton, Ct.
Stuckstede Hy. Bell Foundry Co., 1312 S 2d, St. Louis, Mo.
Van Duzen, E. W. Co., 428 E 2d, Cincinnati, O.
Williams E. A. & Son, 109 Plymouth, Jercity, N. J.

## 705a— *Bell Metal Scrap

**KRAMER H. & CO.** (All Kinds), 1324 W 21st, Chicago, Ill.

## Bell Ringers

See Locomotive Bell Ringers

## 706—Bellows (Blacksmiths', Molders', Etc.)

Brand S. H. Co., 559 W Lake, Chicago, Ill.
Bullock T. H. Mfg. Co., Cleveland, O.
California Bellows Works, 416 Harriet, San Francisco, Cal.
Christen Bellows & Mfg. Co. ("Christen"), Main & Dock, St. Louis, Mo.
Cincinnati Bellows Works, 2211 Norwood av, Norwood, Cincinnati, O.
Clark Thos. A. ("Kansas Cyclone" Molders), 5783 Side av, N W, Cleveland, O.
Dobson Wm. (Molders' Calfskin), Canastota, N. Y.
Flaccus Wm. Oak Leather Co., 1228 River av, Pittsburgh, Pa.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Osborn Mfg. Co. (Molders Only), 5405 E Hamilton, Cleveland, O.
**Paxson, J. W. Co., 1021 N Delaware av, Phila., Pa.**
Woodason Thomas (Blacksmiths' & Molders', etc), 2900 D, Phila., Pa.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

## 707—*Bellows (Brass & Wood)

**JACKSON EDWIN A. & BRO., INC.,** 50 Beekman, New York
*See adv index at end of book*

## 708— Bells (Altar)

East Hampton Bell Co., East Hampton, Conn.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Starr Bros. Bell Co., East Hampton, Conn.

## 709—Bells (Automobile & Bicycle)

See also Bells, Electric; also Bells & Gongs, Car, Etc.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Liberty Bell Co., 428 Arc, Cleveland, O.
Mossberg Frank Co. ("Jitney," Also Carriage), Attleboro, Mass.
**NEW DEPARTURE MFG. CO.** ("New Departure" Bicycle Only), Bristol, Conn.
*See adv index at end of book*
Reiter G. C., Canton, O.
Starr Bros. Bell Co., East Hampton, Conn.

## Bells (Cable End)

See Potheads & Sleeves

## 710— Bells (Call)

Gong Bell Mfg. Co., East Hampton, Conn.
Hill N. N. Brass Co., East Hampton, Conn.
Starr Bros. Bell Co., East Hampton, Conn.

## Bells (Chime)

See Bells, Church, Farm, Fire & School

## 711—Bells (Church, Farm, Fire & School)

American Bell & Foundry Co., Northville, Mich.
Bell C. S. Co. (Steel Alloy) ("Crystal Metal"), Hillsboro, O.
Blymer Iron Works Co., Cincinnati, O.
Cincinnati Bell Fdry. Co., 2933 Spring Grove av, Cincinnati, O.
Durfee Walter H. & Co. (Tubular, Tower, etc), 151 Pond, Providence, R. I.
Davoren W. T. Brass Finishing Works (Davoren-Denver), 1241 N 12th, Denver, Colo.
Foote J. B. Foundry Co., Fredericktown, O.
Gamewell Fire Alarm Telegraph Co. (Fire), Newton-Upper Falls, Mass.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Gibson & Kirk Co. (Farm), 217 Key Highway, Baltimore, Md.
Kirby Mfg. Co., Middletown, Conn.
Lehr Agricultural Co., Fremont, O.
McShane Bell Foundry Co., Hartford av & B. & O. R. R., Baltimore, Md.
Manhattan Electrical Supply Co. (Fire Alarm), 17 Park pl, New York
*See adv index at end of book*
Meneely Bell Co., Troy, N. Y.
Meneely & Co., Watervliet, N. Y.
Mossberg Frank Co. ("Cuckoo" Tire, Electric & Vertical), Attleboro, Mass.
National Bell Fdy Co. (Bells), Cincinnati, O.
New Departure Mfg. Co. ("New Departure," Fire, for Apparatus and on Buildings), Bristol, Conn.
*See adv index at end of book*
Ross-Meehan Foundries, Chattanooga, Tenn.
St. Louis Bell Fdry. (High Grade), 2735 Lyon, St. Louis, Mo.
Stuckstede Henry Bell Foundry Co., 1312 S 2d, St. Louis, Mo.
Van Duzen E. W. Co., 428 E 2d, Cincinnati, O.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.

## 712— Bells (Cow & Sheep)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Blum Mfg. Co., Collinsville, Ill.
East Hampton Bell Co., East Hampton, Conn.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Starr Bros. Bell Co., East Hampton, Conn.

## 713— Bells (Door & House)

See also Bells, Electric

Bevin Bros. Mfg. Co., East Hampton, Conn.
Bradley & Farnham ("Anchor," "Simplex"), Middlefield, Conn.
Builders Supply Corp. (Door Rotary), 342 E Wash., Indianapolis, Ind.
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill N. N. Brass Co., East Hampton, Conn.
**NEW DEPARTURE MFG. CO.** ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Reiter G. C., Canton, O.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Starr Bros. Bell Co. (Gong, Alarm, Rotary Door, Call, etc), East Hampton, Conn.

## 714— Bells (Electric)

Ansonia Electrical Co. ("Eureka," "Wizard"), Ansonia, Conn.
Bunnell J. H. & Co. ("Beeko"), 32 Park pl, New York
Bryant Zinc Co., 600 Orleans, Chicago, Ill.
Chicago Ry Signal & Supply Co., 122 S Michigan av, Chicago, Ill.
Conn. Tele. & Elec. Co., Meriden, Conn.
Cory Chas. & Son (Call), 290 Hudson, New York
Edwards & Co. ("Lungen," "Vigilant," "Recti," "Economy"), Exterior av & 140th, New York
Electric Goods Mfg. Co. ("Victor," "Dandy," "Tyrolean"), Canton, Mass.
Elec'l Sales Co., 176 Federal, Boston, Mass.
Empire Transformer Co., 2214 Sedgwick, Chicago, Ill.
Engineering Products Co., 40 Goldsmith av, Detroit, Mich.
Gamewell Fire Alarm Tele. Co., Newton Upper Falls, Mass.
Holtzer-Cabot Electric Co. ("Hub-Dome"), 125 Amory, Boston, Mass.
Keil Francis & Son ("Reliance," "Ampro"), 401 E 163d, New York
Manhattan Electrical Supply Co. ("Nonpareil," "Crescent," "Crescendo," "Monitor," "Premier," 17 Park pl, New York. *See adv index at end of book*
Menominee Elec. Mfg. Co., Menominee, Mich.
Ostrander W. R. & Co., 371 B'way, New York
P R Mfg. Co. ("Rex," "Marlo," "X X X," "Eclipse," "Ekla," "Straightline," "P R Weatherproof"), Detroit, Mich.
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Pearce Fred'k Co. (For Railway Signaling), 18 Rose, New York
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Reading Hardware Co. (Ring & Rotary Door), Reading, Pa.
Russell Electric Co. ("Electric Whistle," "Freco"), Danbury, Conn.
Samson Elec. Co., 146 Summer, Canton, Mass.
Schwarze Electric Co., Adrian, Mich.
Service Electric Co. ("Smith"), 122 S. Michigan av, Chicago, Ill.
Spies Elec. Wks, 564 W Vanburen, Chicago, Ill.
Stanley & Patterson ("Faraday," "Skelton" & Enclosed Type), 23 Murray, New York
Starr Bros. Bell Co. (Mechanical), East Hampton, Conn.
Tele-Call Co., 1209 Marquette rd, Cleveland, O.
Western Electric Co. ("Hawthorne," Relay), 463 West, New York
Wilhelm H., 70 Frost, Brooklyn, N. Y.

## 715— Bells (Engine)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Cory Chas. & Son, 290 Hudson, New York
Meneely & Co., Watervliet, N. Y.
Reiter G. C., Canton, O.
Starr Bros. Bell Co. (Locomotive Gongs, etc), East Hampton, Conn.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Van Duzen E. W. Co., 428 E 2d, Cincinnati, O.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.

## 716— Bells (Fog)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Blymer Iron Works Co., Cincinnati, O.
Laughlin Thos. Co., Portland, Me.
Starr Bros. Bell Co. (Binnacle & Signal), East Hampton, Conn.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.

## 717—Bells (Hand, Dinner, Etc.)

East Hampton Bell Co. (Call, Tea, etc), East Hampton, Conn.
Starr Bros. Bell Co. (Auctioneers, School, Tea, etc), East Hampton, Conn.

## Bells (Highway Crossing)

See Signals, Railway Crossing

## Bells (House)

See Bells, Door & House

## 717a— *Bells (Iron Box)

**MANHATTAN ELECTRICAL SUPPLY CO.**, 17 Park pl., New York
*See adv index at end of book*

## Bells (Light House)

See Bells, Fog

## Bells (Locomotive)

See Bells, Engine

## 717b— *Bells (Navy Standard)

**MANHATTAN ELECTRICAL SUPPLY CO.**, 17 Park pl., New York
*See adv index at end of book*

## 717c—*Bells (Pivoted Armature)

**MANHATTAN ELECTRICAL SUPPLY CO.**, 17 Park pl., New York
*See adv index at end of book*

## Bells (School, Fire & Factory)

See Bells, Church, Farm, Fire & School

## 718— Bells (Sleigh)

American Ring Co., Waterbury, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Brabson Bros., 47 Hamilton, Newark, N. J.
East Hampton Bell Co., East Hampton, Conn.
Starr Bros. Bell Co. (Also Body Straps, etc), East Hampton, Conn.

## 719— Bells (Telephone)

American Electric Co., 6401 S State, Chicago, Ill.
Automatic Appliance Co. (Magneto), 172 Columbus av, Boston, Mass.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Bridgeport Brass Co. ("Magneto"), Bridgeport, Conn.
Chicago Telephone Supply Co., Elkhart, Ind.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Ladd W. C., Bristol, Conn.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Menominee Electric Mfg. Co., Menominee, Mich.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Schwarze Electric Co. ("Schwarze," Loud Ringing Magnets Extension), Adrian, Mich.
Stanley & Patterson Inc., 23 Murray, New York
Utica Fire Alarm Telegraph Co., Utica, N. Y.

## 720—Bells & Gongs (Car, Etc.)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
American Foundry & Mfg. Co. (Bronze), 11th & Hebert, St. Louis, Mo.
American Tube & Stamping Co., Bridgeport, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Brill J. G. Co. ("Dedenda," Platform Gong "Retriever," Signal Bell), 62d & Woodland av, Phila., Pa.
Consolidated Car Heating Co. (Single Stroke Bells), Albany, N. Y.
Dayton Mfg. Co. ("Dayton," Gong), Dayton, O.
East Hampton Bell Co., East Hampton, Conn.
Electric Appliance Co., 701 W Jackson blvd, Chicago, Ill.
Electric Service Supplies Co. ("Keystone," Pneumatic Gong), 17th & Cambria, Phila., Pa.
Glasgow Iron Co., Pottstown, Pa.
Gong Bell Mfg. Co., East Hampton, Conn.
Mossberg Frank Co. (& Clock), Attleboro, Mass.
New Departure Mfg. Co. ("New Departure"), Bristol, Conn.
*See adv index at end of book*
Pressed Steel Tank Co., Greenfield av, Milwaukee, Wis.
Reiter G. C., Canton, O.
Ross-Meehan Foundries, Chattanooga, Tenn.
St. Louis Car Co. ("St. Louis," Bells & Gongs Made of Rolled Steel), 8000 N B'way, St. Louis, Mo.
Starr Bros. Bell Co. ("Bartons"), East Hampton, Conn.
Van Duzen E. W. Co. (Trip), 428 E 2nd, Cincinnati, O.

Wall P. Mfg. Supply Co., 105 Prebleau, Pittsburgh, Pa.
Wallace Supplies Mfg. Co. ("Standard," Steel Gongs), 412 Orleans, Chicago, Ill.

## 721—Bells & Gongs (Unmounted)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Tube & Stamping Co., Bridgeport, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill N. N. Brass Co., East Hampton, Conn.
Mossberg Frank Co. (Steel & Pressed Brass), Attleboro, Mass.
New Departure Mfg. Co. ("New Departure"), Bristol, Conn.
*See adv index at end of book*

## 722—Belt Cleaning & Rebuilding

Raniville F. Co., Grand Rapids, Mich.

## 723—*Belt Conveyor Trippers & Appliances

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

## 723a— Belt Couplings (Round)

**QUADRIGA MFG. & SPECIALTY CO.** (For Autos & Motor Cycles), 213 W Grand av, Chicago, Ill.
*See adv index at end of book*

## 724— Belt Dressing

Ackley & Brink Mfg. Co., 123 E Canal, Cincinnati, O.
Akron Belting Co. ("Electric"), Akron, O.
**ALEXANDER BROTHERS**, 3rd & Callowhill, Philadelphia, Pa.
Allen W. D. Mfg. Co. ("Ajax," "Red Cross," "Magic," "Pease"), 566 W Lake, Chicago, Ill.
*See adv index at end of book*
Alpha Belt Dressing Co., 14 Cedar, New York
American Belting Co.'s, Texas, Md.
American Oil Co. Corp. ("Amoilco"), Jackson, Mich.
American Oil Co. ("A. O. C."), 180 So Water, Providence, R. I.
American Oleite Sales Co. ("Oleite"), 1404 N Park pl, St. Louis, Mo.
American Steam Packing Co. ("American"), 165 High, Boston, Mass.
Animal Oil Co. ("Animaloil"), Ontario nr Delaware River, Phila., Pa.
Atlantic Mfg. Co. ("Atlantic" Leather), Wilmington, Del.
Bachmann J. & Co. ("Imperial"), 16 Reade, New York
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Barnum Bros. Co. ("Trojan," "Solar"), Troy, N. Y.
Bayerson Oil Works ("20th Century"), Erie, Pa.
Belden A. G. & Co. ("Pycnolum"), 29 Burling slip, New York
Beltine Chemical & Mfg. Co., 401 N Sangamon, Chicago, Ill.
Billings-Brown Co., Cleveland, O.
Black Diamond Mfg. Co. ("Black Diamond"), 1219 Bank, Cincinnati, O.
Buffalo Belt Dressing Co., Buffalo, N. Y.
Buffalo Specialty Co. ("Electric"), 375 Ellicott, Buffalo, N. Y.
Burr Oak Belting Co. ("Flexible"), 521 Livingston, Cincinnati, O.
Callahan Geo. & Co. ("Anti-Slip"), 218 Front, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Carbono Specialty Mfg. Co., 366 W B'way, New York
Carton Belting Co. ("Carton"), 52 Everett, Allston, Mass.
Cataract Refining & Mfg. Co. ("Cascade Stick"), Buffalo, N. Y.
Chemical & Engineering Co. ("Red Dragon" Neutral), Watertown, N. Y.
Chesapeake Belting Co. ("Star"), 823 McKim, Baltimore, Md.
Chesterton A. W. Co. ("Excelsior," "India," "Castorol"), 64 India, Boston, Mass.
Chicago Belting Co., 125 N Green, Chicago, Ill.
Climax Refining Co., Williamson bldg, Cleveland, O.
Cling-Surface Co. ("Cling-Surface," "Erusa" Liquid), Buffalo, N. Y.
Codd Tank & Specialty Co. ("Hug-tight"), 117 S Hanover, Baltimore, Md.
Cold Water Refining Co., Raymelton, Pa.
Commercial Chemical Co. ("X L N C"), 212 Essex, Boston, Mass.
Corliss Mfg. & Supply Co. ("C. C. C."), 1906 Olive, St. Louis, Mo.
Cortland Specialty Co. ("Banner"), Cortland, N. Y.
Crandall Packing Co., Palmyra, N. Y.
Crescent Belt Fastener Co. ("Handy Bar"), 381 4th av, New York
Damascus Mfg. Co. ("King Brand"), Cassius av, Cleveland, O.
Desmond-Stephan Mfg. Co. ("Stephan"), Urbana, O.
Dixon Joseph Crucible Co. ("Dixon's" Solid, Traction & Paste), Jersey City, N. J.
Doermann-Roehrer Co. ("Do Ro"), 318 E 3rd, Cincinnati, O.
Druid Oak Belting Co. ("Primo," "Beltnoslip"), 111 E Lombard, Baltimore, Md.
Duntley Co. ("Loldco" preservative), 295 5th av, New York
Duntley Co. (The), 1416 S Michigan av, Chicago, Ill.
Duryea Mfg. Co. ("W W", "Wooster"), Bayonne, N. J.
Eagle Counter & Leather Co., 416 E 8th, Cincinnati, O.
Eagle Oil & Supply Co. ("Eagleine Holdfast," "Victor"), 104 Broad, Boston, Mass.
Ellert C. H., Evansville, Ind.
Etsweiler Wm. (Electric), 230 N 3d, Phila., Pa.
Fansher Bros. ("Perfection"), Dayton, O.
Gallaway G. W. ("Beltine"), 322 Pearl, New York
Gandy Belting Co. ("Gandy"), 740 W Pratt, Baltimore, Md.
Gingras Edward F., 202 Main, Buffalo, N. Y.
Gold Walter C. ("The Page"), 235 Race, Phila., Pa.
Goodyear Rubber Hose & Packing Co. ("Vulcan"), 241 Chestnut, Phila., Pa.
Graspit Mfg. Co., 721 Wash. bl., Chicago, Ill.
Graton & Knight Mfg. Co. ("Royal," "Worcester," "Star," "Monarch"), Worcester, Mass.
Gray Specialty Co. ("Gray's Velvet"), 148 Avon av, Newark, N. J.
G. R. Belting Co., Grand Rapids, Mich.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Grip-Tite Co. ("Grip-Tite"), New Brunswick, N. J.
Hall-Thompson Co. ("Wonder Worker"), Hartford, Conn.
Hercules Mfg. Co. ("Hercules 2 in 1"), 4328 Greenwood av, Chicago, Ill.
Hinds & Coon ("Hug-It"), 126 Pearl, Boston, Mass.
Houghton E. F. & Co. (Adhesive), 240 W Somerset, Phila., Pa.
Hudson Belting Co. (Hudson Bar "Number One"), 3 Eaton pl, Worcester, Mass.
Invincible Mfg. Co., Central Natl. Bk. bldg, Columbus, O.
Ironsides Co. ("Ironsides" Belt Shield), Columbus, O.
Jewell Belting Co., Hartford, Conn.
Jobbers' Mfg. Co. ("Blue Ribbon"), 327 S La Salle, Chicago, Ill.
Kendall Refining Co., Bradford, Pa.
Laurence Belting Co., 111 Chambers, New York
Leather Preserver Mfg. Co., 542 W Jackson bl, Chicago, Ill.
Lightning Mfg. Co., Orchard & Torsdale, Phila., Pa.
Lynch Alonzo K. ("Champion"), 310 Flushing av, Brooklyn, N. Y.
McLellan Mfg. Co., 265 W 33rd, New York
Main Belting Co. ("Leviathan"), 1219 Carpenter, Philadelphia, Pa.
Manufacturers' Belt Hook Co. ("L-X.", "Cracker Jack"), 1321 W Congress, Chicago, Ill.
Manufacturers' Oil & Grease Co. ("Royal"), Century bldg, Cleveland, O.
Modoc Co., Fernwood, Philadelphia, Pa.
Montgomery Bros. ("Paragon"), 45 S 2d, Philadelphia, Pa.
Mt. Vernon Belting Co. ("Ease-On"), 333 Warren av, Baltimore, Md.
National Leather Mfg. Co. ("National" Oil & Non-Slip), Niles, Mich.
New York Leather Belting Co. ("Phoenix" Bar), 465 Kent av, Brooklyn, N. Y.
Nott W. S. Co. ("Old Hickory"), 2nd av N & 3rd, Minneapolis, Minn.
Oleum Products Co., Scranton, Pa.
Page Belting Co. ("Crown." for Leather Belts), Concord, N. H.
Palmer N. & Co. ("Charter Oak"), Bridgeport, Conn.
Panama Oil & Grease Co. ("Panama," "Wheatley"), 159 W 51st, New York
Pechin Belting Co. ("Jim Dandy"), Fairmount & Front, Philadelphia, Pa.
Penna. Lubricating Co. ("Penn."), 34th & A. V. R. R., Pittsburgh, Pa.
Peuchen Stanley C., N Tonawanda, N. Y.
Phoenix Oil Co. ("Green Seal" for Rubber & Cotton), 2554 W 6th, Cleveland, O.
Philadelphia Belting Co, 6th & Spring Garden, Phila., Pa.
Pike E. N. & Son ("Flexole"), 93 Broad, Boston, Mass.
Pittsburgh Gage & Supply Co. ("Fort Duquesne"), 30th & Liberty av, Pittsburgh, Pa.
Plomo Specialty Mfg. Co. ("Whitmore's" "Plomo"), Belmont bldg, Cleveland, O.
Raniville F. Co. ("Raniville's Belt Wax." Also Belt Cleaner & Stuffer), Grand Rapids, Mich.
Reed & Duecker ("R. & D."), Memphis, Tenn.
Rhoads J. E. & Sons, 12 N 3d, Philadelphia, Pa.
Riebe Green Soap Co., Seattle, Wash.
Rosenberg Oil Co., 2066 Milwaukee av, Chicago, Ill.
Rossendale-Reddaway Belting & Hose Co. ("Camel"), Newark, N. J.
Ruboil Belting Co., 8th & Wallace, Philadelphia, Pa.
Russia Cement Co. ("Signet"), Gloucester, Mass.
Salisbury W. H. & Co. ("Apex") 308 N Madison, Chicago, Ill.
Sawyer Belting Co. (For Canvas Belts), ft. Lisbon rd, S E, Cleveland, O.
Schieren Chas. A. Co. ("Beltfiller," "Flyfoot"), 30 Ferry, New York
Sero Specialty Co., 2860 E. 84th, Cleveland, O.
Shultz Belting Co. ("Shultz"), Fourth & Barton, St. Louis, Mo.
Slipno Co., 38 Clifton, Newark, N. J.
Smith-Courtney Co. ("Powhattan"), Richmond, Va.
Snyder M. L. & Son (Swiftsure), 223 Church, Philadelphia, Pa.
Sonneborn L. Sons ("Amalie" Grip Non-Slip Stick & Syrup for All Kinds of Belts), 262 Pearl, New York
Southwick Geo. W. Co. ("Polar"), Stamford, Conn.
Standard Oil Co. of N. Y. ("Eureka"), 555 W 25th, New York
Staplin & Smith ("S. & S."), 359 W Austin, Chicago, Ill.
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
Steers Supply Co., 18 Vesey, New York
Steers Supply Co., 99 John, New York
STEPHENSON MFG. CO. ("Stephenson"), Albany, N. Y.
Stevens Grease & Oil Co. (For Jobbing Trade Only), E 79th & Avrina av, Cleveland, O.
Stock G. B. Xylite Grease & Oil Co., Port Huron, Mich.
Street J. D. & Co. ("Street Fraction"), 41st & Park, St. Louis, Mo.
Sullivan Oil Co. ("Sullivan's Economic"), 413 Wells, Chicago, Ill.
Swan & Finch, 165 Broadway, New York
Talismanic Co., N. Tonawanda, N. Y.
Theanoil Mfg. Co., 2744 N 24th, Phila., Pa.
Texas Company ("Texaco"), 17 Battery pl, New York
*See adv index at end of book*
Turner Chas. A., 3rd av & Chancery, Pittsburgh, Pa.
Van Derhvort Hdwe Co., Lansing, Mich.
Viscol Co. ("Viscol," "Clarol," "Lorol," "Tenol," "Traher"), Cambridge, Mass.
Walton F. S. Co. ("Ox-Oil-Ox"), Orthodox & Delaware, Phila., Pa.
Waterproof Paint Co., Watertown, Mass.
Watt's Jno. M. Sons ("Nonpareil"), 54 N 2, Phila., Pa.
West Texas Products Co. (Wax), San Antonio, Tex.
White & Bagley Co. ("Neverslip"), Worcester, Mass.
Whitlock Mfg. Co., 1506 W 112th, Cleveland, O.

BELT DRESSING—continued
Widdicomb-Reed Co., Vestaburg, Mich.
**Wing J. T. & Co., 19 Woodward av, Detroit, Mich.**
Winn Wm. R. ("Winn"), 488 Cherry, New York
World Refining Co., Easton, Pa.
Zurn O. F. Co. ("Royal," "Peerless"), Broad & Lehigh, Phila., Pa.

## 725— Belt Fasteners

**ALEXANDER BROTHERS,** 3rd & Callowhill, Philadelphia, Pa.
Angell Belt Hook Co. ("Wilson" & "Self-Clinching"), 16 Warren av, Providence, R. I.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Black Diamond Mfg. Co. ("Black Diamond" Hinge), 1219 Bank, Cincinnati, O.
**BRISTOL CO.** ("Bristol's" Steel Belt Lacing), Waterbury, Conn.
*See adv index at end of book*
Buffalo Specialty Co. ("Buffalo"), 375 Ellicott, Buffalo, N. Y.
Clipper Belt Lacer Co. ("Clipper" Hooks), 974-1042 Front av, Grand Rapids, Mich.
*See adv index at end of book*
Columbia Novelty Co. ("Stag," "Bulldog," "Flexible," "Dixie," Oval Point & Sewing Machine), St. Louis, Mo.
Crescent Belt Fastener Co. ("Crescent"), 381 4th av, New York
Dick R. & J. (Ltd.), ("Walker," "Jackson" Imported), Passaic, N. J.
Flexible Steel Lacing Co. ("Turtle"), 522 S Clinton, Chicago, Ill.
Forsyth Metal Goods Co., E Aurora, N. Y.
Greene, Tweed & Co. ("Jones," "Jackson's" Improved Pointed, "Blake's" Studs), 109 Duane, New York
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hart Mfg. Co., St. Louis, Mo.
**Hercules Mfg. Co. ("Star"), 4328 Greenwood av, Chicago, Ill.**
Hudson Belt Fastener Co. ("Ideal" Fastener, "Climax" Hooks), 149 Church, New York
Jencks E. Mfg. Co. ("Hicks" Pointed, etc), Worcester, Mass.
Jewell Belting Co. ("Potter," "Jones"), Hartford, Conn.
Jones H. H. (Hook), Lancaster, N. H.
Kenehan Steel Belt Fastener Co., 1252 W 3d, N W, Cleveland, O.
Kerr & Co. ("A B C" Metallic), 114 Liberty, New York
Manufacturers' Belt Hook Co. ("M. Covel," "Giant," "L-XX" Steel, "Eagle," "Rival," "20 Century" Sewing Machine & Oval Pointed Hooks), 1321 W Congress, Chicago, Ill.
National Ring Traveler Co., (Hook), 257 W Exchange, Providence, R. I.
Parker Wire Goods Co. (Pointed Belt & Sewing Machine Hooks), Worcester, Mass.
Pickering Ridgway S. (Or Belt Hooks), Sharon Hill, Pa.
Pratt Wm. E. Mfg. Co. ("The Chicago" Wire), 35 W Lake, Chicago, Ill.
Raniville F. Co., Grand Rapids, Mich.
Ruboil Belting Co. ("Ruboil" Clinching Hook), 8th & Wallace, Phila., Pa.
Sawyer Belt Hook Co. ("Jackson," "Wilson," "Church," "Sawyer"), Pawtucket, R. I.
Smith F. P. & Co. ("Smithicks," Pointed & Wire Sewing Machine Belt Hooks, etc), Sharon Hill, Pa.
Snap Detachable Belt Fastner Co., ("Snap" Detachable), 128 Murray, Newark, N. J.
Southwick Geo. W. Co., Stamford, Conn.
Strong Machy. & Supply Co. ("Chase" Couplers), 21 Walker, New York
*See adv index at end of book*
Talcott W. O. ("Wilson's" & Combination Clinching & "Acme"), 91 Sabin, Providence, R. I.
Upson Nut Co., Cleveland, O.
Voorhees Rubber Mfg. Co. (Plate Belt Fasteners or Hooks), 18 Bostwick av, Jersey City, N. J.
Waters-Garland Co. ("Glover's" Belt Hooks"), 419 W Main, Louisville, Ky.
Webb Hinge Belt Hook Co. (Hinge Joint), Boonton, N. J.
Western Rawhide & Belting Co. ("Superior" Belt Hook for Round or Flat Belts), 600 S Pierce, Milwaukee, Wis.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 726— Belt Filling

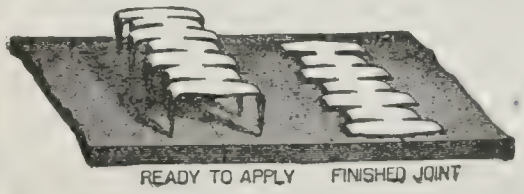
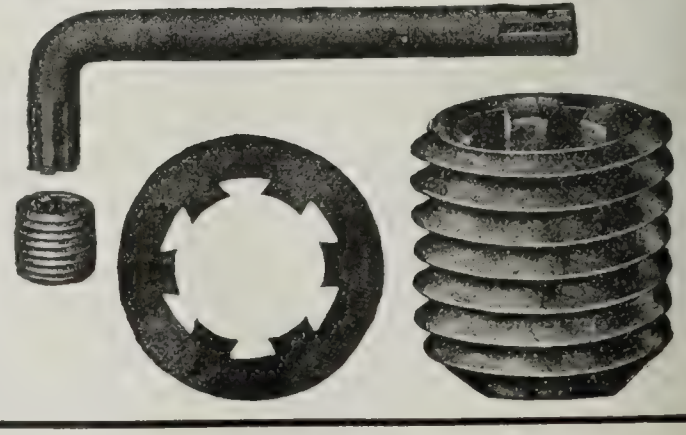
Chemical & Engineering Co. ("Red Dragon," Never Slip Belt Food for Filling & Waterproofing Leather & Canvas Belts), Watertown, N. Y.
Garnet Co. The (& Preserver), Allentown, Pa.

## Belt Hooks

See Belt Fasteners

## 727— Belt Lacing

Akron Belting Co. (Wire & Rawhide), Akron, O.
**ALEXANDER BROTHERS,** 3rd & Callowhill, Philadelphia, Pa.
*See adv index at end of book*
Allen W. D. Mfg. Co. (Wire Leather), 566 W Lake, Chicago, Ill.
American Belting Co.'s, Texas, Md.
American Belting & Tanning Co. (Leather), 135 Oliver, Boston, Mass.
American Lace Leather Co., Richmond, Va.
Barnes Henry K. Co. ("Crown" Rawhide & "Blueskin" Mineral Tanned), 234 Devonshire, Boston, Mass.
Bay State Belting Co. (Rawhide & Indian Tanned Leather), 349 Congress, Boston, Mass.
Bickford & Francis Belting Co., 34 Pearl, Buffalo, N. Y.
Birdsboro Steel Foundry & Machine Co. (Coiled Steel Wire & Rawhide Pins), Birdsboro, Pa.
Bonner & Barnewall, 30 Church, New York
**BRISTOL CO.** ("Bristol's" Patent Steel), Waterbury, Conn.
*See adv index at end of book*
California Tanning Co. ("Krom" Russian Tanned, "Peerless," "Star Brand" Rawhide), 1905 Shenandoah av, St. Louis, Mo.
Capen Belting & Rubber Co., St. Louis, Mo.
Central Belting Co., 41 W 21st, New York
Chicago Rawhide Mfg. Co. (Rawhide), 1301 Elston av, Chicago, Ill.
Clipper Belt Lacer Co. ("Clipper" System of Wire Hooks), 974-1042 Front av, Grand Rapids, Mich.
*See adv index at end of book*
Columbia Novelty Co. ("Star" Steel, Golden Rule Wire, Belt Lacing, "Bull Dog," "Flexible," "Dixie Oval Painted & Sewing Machine"), 1431 N 8th, St. Louis, Mo.
Coupe Wm. Co. (Ltd.) ("Excelsior" Raw Hide & Oak Tanned), South Attleboro, Mass.
Couse & Bolten, 44 Lafayette, Newark, N. J.
Detroit Belt Lacer Co. ("Bull Dog"), Detroit, Mich.
**Etsweiler William, 230 N 3d, Phila., Pa.**
Flexible Steel Lacing Co. ("Alligator" Flexible Steel), 522 S Clinton, Chicago, Ill.
Gay Fred E. (Rawhide Side & Cut Lace Leather), Thornton, R. I.
Graton & Knight Mfg. Co. ("Royal Worcester Crescent & Indian Tanned Lace Leather) Monarch"), Worcester, Mass.
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hayden Supply Co. ("Globe" Wire), Grand Rapids, Mich.
**Hercules Mfg. Co. ("Hercules" Wire), 4328 Greenwood av, Chicago, Ill.**
Holyoke Belting Co. ("Massasoit," "Pequot"), Holyoke, Mass.
Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
Hudson Belt Fastener Co. ("Perfection" & "O. K." Wire), 149 Church, New York
**Hudson Belting Co. (Rawhide & Indian Tanned Lace), 3 Eaton pl, Worcester, Mass.**
Ireson Chas. L. (Leather), 221 High, Boston, Mass.
Jewell Belting Co. (Metallic Tipped), Hartford, Conn.
Kayser Tanning Co. ("Anchor" Raw Hide & Surface Tanned), 3914 N Broadway, St. Louis, Mo.
**Kempe H. F. & Co., 565 Washington blvd, Chicago, Ill.**
Kerr & Co. (Wire), 114 Liberty, New York
Ladew Edward R. Co. (Leather), 54 Franklin, New York
Malin & Co. (Composition Wire), 2514 Vestry av, Cleveland, O.
Manufacturers Belt Hook Co. ("L-X," Composition, "20 Century" Steel, "Eureka" Steel & Flexible, "Rainbow" Wire Belt Lace, "New Eureka," "Climax"), 1321 W Congress, Chicago, Ill.
Missouri Belting Co. ("Victor" Rawhide), Grand & La Salle, St. Louis, Mo.
National Leather Belting Co. (Rawhide), 342 E 38th, New York

TRADE MARK
BRISTOL'S
REG. U. S. PAT. OFFICE.
PATENT STEEL BELT FASTENERS

READY TO APPLY FINISHED JOINT
The perfect fastener for all kinds of belts. Quickly and easily applied. No special tools required.
PATENT STEEL BELT LACING, OVAL POINTED BELT HOOKS, WIRE BELT LACING, PATENTED STEEL BELT PLATES, BI-FURCATED STEEL BELT RIVETS. Carried in stock by mill supply dealers
THE BRISTOL COMPANY
WATERBURY, CONN., U. S. A.
TRADE
BRISTO
MARK
PATENTED SAFETY SET SCREWS
THE SET SCREWS WITH THE DOVE-TAILED FLUTES
100% STRONGER THAN OTHER MAKES


National Leather Mfg. Co. ("Wolverine," "Monogram" Tanned), Niles, Mich.
**New York Belting & Packing Co., 91 Chambers, New York**
New York Leather Belting Co. ("Victor," Rawhide, "Lion Brand"), 465 Kent av, Brooklyn, N. Y.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Norwich Belt Mfg. Co. ("Defiance" Rawhide, "Samson," Indian Tanned, "Kromhyde," Chrome Tanned), Norwich, Conn.
Page Belting Co. ("Hercules"), Concord, N. H.
Palmer N. & Co. (Muleskin & Rawhide), Bridgeport, Conn.
**Pechin Belting Co. ("Jim Dandy"), Fairmount & Front, Phila., Pa.**
**Philadelphia Belting Co., 6th & Spring Garden, Phila., Pa.**
Rahmann Geo. & Co., 31 Spruce, New York
Raniville F. Co., Grand Rapids, Mich.
Rhoads J. E. & Sons ("Tannate"), 12 N 3d, Phila., Pa. Works: Wilmington, Del.
Salisbury W. H. & Co. ("Apex" Wire Lacing, "Blue Skin" Leather Lacing), 308 N Madison av, Chicago, Ill.
**Schieren Chas. A. Co. ("Giant," "Gowanus," "Duxbak"), 30 Ferry, New York**
Shultz Belting Co. (Rawhide Lace Leather), Fourth & Barton, St. Louis, Mo.
**Sikes S. R. Co., 1030 S 3rd, Minneapolis, Minn.**
Simmons Mfg. Co. (Coiled Wire), 77th & **Lyons av, Phila., Pa.**
Southern Belting Co., Atlanta, Ga.
Southwick Geo. W. Co., "Fibre Hyde" Romid (Wire), Stamford, Conn.
Sumner Wm. Belting Co. (Leather), Tolland, Conn.
Upson Nut Co. (Metallic), Cleveland, O.
Van Riper Mfg. Co., Paterson, N. J.
Walker Chas. W. Sons & Co. (Lace Leather), 288 Market, Newark, N. J.
Weatherhead, Thompson & Co. (Rawhide), Pawtucket, R. I.
Western Rawhide & Belting Co. (Rawhide), 600 So Pierce, Milwaukee, Wis.
Williams I. B. & Sons ("Cocheco" Rawhide & "Oriole" Tanned), Dover, N. H.

## 728— Belt Lacing Machines

**Birdsboro Steel Foundry & Machine Co.** ("Jackson" Coil Wire), Birdsboro, Pa.
Clipper Belt Lacer Co. ("Clipper," "Baby"), 974-1042 Front av, N W, Grand Rapids, Mich.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Peerless Belt Lacing Machine Co., Swanson & Moore, Phila., Pa.

## 729—*Belt (Linemen's Tool)

**SMITH & HEMENWAY CO. INC.** ("Red Devil"), 261 W. B'way, New York, 130 W. Colt, Irvington, N. J.
*See adv index at end of book*

## Belt Preservatives

See Belt Dressing

## 730— Belt Shifters

Atisan Mfg. Co. ("Safshift"), Lockland, O.
Brown A. & F. Co., 79 Barcley, New York.
Builders Iron Foundry ("Universal Pull"), 9 Codding, Providence, R. I.
Chandler & Farquhar Co. ("Pratt"), 36 Federal, Boston, Mass.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Hagan L. T. ("Economy"), Winchester, Ky.
Hill Clutch Co., W 65th, Cleveland, O.
Le Blond R. K. Machine Tool Co. ("Le Blond" Mechanical), Cincinnati, O.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Mossberg Wrench Co. ("Sim-Pull," "Sim-Plex"), 25 Charles, Providence, R. I.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Ua.

## Belt Stretching Machines

See Machinery

## Belt Studs

See Belt Fasteners

## 731— Belt Tighteners

See also Belt Tighteners, Automatic

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Tool & Machine Co., 10 High, Boston, Mass.
Brown A. & F. Co., 79 Barclay, New York
Burlingame A. Co., Worcester, Mass.
Caldwell W. E. Co., Louisville, Ky.
Cresson Morris Co., Allegheny & 18th, Phila., Pa.
Diamond Iron Works, 2d & 18th av, Minneapolis, Minn.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Falls Clutch & Machy. Co., Cuyahoga Falls, O.
**Goddell-Pratt Co., Greenfield, Mass.**
Golden's Foundry & Machine Co., Columbus, Ga.
Great Western Mfg. Co., Leavenworth, Kan.
Hill Clutch Co., W 65th, Cleveland, O.
Hoggson & Pettis Mfg. Co. ("Porter"), New Haven, Conn.
Hunt Rodney Machine Co., Orange, Mass.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kendall R. C. & Co., 749 First Natl. Bk. bldg, Chicago, Ill.
Lane Mfg. Co. (Swing & Slide), Montpelier, Vt
Lane & Bodley Co., Tennessee av & Paddock rd, Cincinnati, O.
**LINK-BELT COMPANY,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Marseilles Works of Deere & Co., East Moline, Ill.
Medart Patent Pulley Co. (Various Kinds), 3500 De Kalb, St. Louis, Mo.
Memphis Machine Works, Memphis, Tenn.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
**Southwick Geo., 9 Maiden lane, New York**
U. S. Machine Co., Williamsport, Pa.
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mf. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

## 731a—Belt Tighteners (Automatic) matic)

Hill Clutch Co., W 65th, Cleveland, O.

## 732— Belt Webbing

Buffalo Weaving & Belting Co., Buffalo, N. Y.
Empire Weaving & Belting Corp., East Rochester, N. Y.
Hope Webbing Co., 1005 Main, Providence, R. I.

## 733—Belting Butts (Leather)

Central Leather Co., 17 Battery pl, New York
Deford Co. (Oak Bark Tanned), 42 S Calvert, Baltimore, Md.
**England Walton & Co. (Oak Scoured), 3d & Vine, Phila., Pa.**
Kistler, Lesh & Co. ("Dependable" Oak & Union Tanned Rough), 332 Sumner, Boston, Mass.
Ladew, Jones Co. (Finished), 105 South, Boston, Mass.
Leas & McVitty (Scoured Texas Oil), **303 Vine, Phila., Pa.**
McAdoo & Allen, 329 N 3d, Phila., Pa.
Rees' Hans Sons (Oak), 39 Frankfort, New York
Smoot C. C. & Sons (Rough), Alexandria, Va.
Toxaway Tanning Co. (Rough), 26 Ferry, New York
United States Leather Co. (Oak Tanned), 17 Battery pl, New York
Wilson Co., Greenville, N. C.

## 733a— *Belting (Hair)

**FENWICK-REDDAWAY MFG. CO.** ("Iwana"), 46 Paris, Newark, N. J.

## 734— Belting Mfrs.

See also Classifications Following

NOTE—The Various Kinds of Belting Manufactured by the Firms listed under this heading are indicated in the parentheses following their names.

For Dealers in Belting, see Mill & Factory Supplies

### CALIFORNIA.

SAN FRANCISCO—Cook H. N. Belting Co., 401-433 Howard
Degen L. P. Belting Co. (Leather), 258 Mission
Goodyear Rubber Co. (Rubber), ("Apex," "Hippo," "Gold Seal," "Badger," 539 Mission
*See adv index at end of book*

**GOODYEAR RUBBER CO.**
**BELTING - HOSE - PACKING**
**539 MISSION ST.**
**SAN FRANCISCO, CAL.**

Graton & Knight Mfg. Co., 247 Mission.
Heins Alex. Belting Co. (Leather & Rawhide), 2413 Harrison
Kelly-Linehan Belting Co., 33 Minna
California Branch of Chicago Belting Co.
**Pacific Mill & Mine Supply Co., 616** Mission
Page Belting Co. (Rubber, Cotton & Leather), 587 Market
Pioneer Rubber Mills ("Copper Queen," "Sunset," "Golden Gate" Rubber), 68 Sacramento
Worden W. H. Co. (Cal. Branch of Chicago Belting Co.)

### CONNECTICUT.

BRIDGEPORT—Palmer N. & Co. ("Charter Oak," "Water Witch," "Climax" & "Apex")
HARTFORD—Jewell Belting Co. (Leather)
MIDDLETOWN—Russell Mfg. Co. (Solid Cotton)
NEW HAVEN—Coe & Brown (Leather)
NORWICH—Norwich Belt Mfg. Co. (Oak Tanned)
Ulmer Leather Co. ("Sachem" Oak Leather)
STAMFORD—Southwick Geo. W. Co. (Reinforced Double)
TOLLAND—Sumner Wm. Belting Co. ("Underwood," Patent Cotton Leather Belting, Watch Twist, Angular or V, Round Solid, Plain Cotton & Round Twist)

### DELAWARE.

WILMINGTON—Atlantic Mfg. Co. (Second Hand Leather)
McComb Thos. (Leather), 209 Shipley
Rhoads J. E. & Sons (Leather), 11th & B. & O. R. R. (See Phila., Pa.)

### GEORGIA.

ATLANTA—Cotton States Belting & Supply Co.
**COUCH MILLS CO.** (Duck)
International Leather & Belting Corp. (Leather)
Southern Belting Co. (Leather)

**When writing to firms listed in this book please, mention HENDRICKS' COMMERCIAL REGISTER**

### ILLINOIS.

CHICAGO—Allen W. D. Mfg. Co. ("Ajax," "Alenco," "Arrow," "Otter," "Mikado," "Yale Defiance," "Three Star," "United States," Leather), 566 W. Lake.
*See adv index at end of book*


**BELTING**

The largest stocks of belting in the Middle West are carried in our warehouse. Leather and Waterproof Solid Woven (both of which we make) Rubber, Canvas, Balata and Cotton. A grade for every service. We have specialized in belting for over thirty years.

**W. D. ALLEN MANUFACTURING CO.**
**566 West Lake Street**
**Chicago, Ill.**


**Chicago Belting Co. ("Reliance" & "Sea Lion," "White Strip," "Sterling," "Imperial," "Beltex" Waterproof Leather), 125 N Green**
Chicago Pulley & Shafting Co., 40 S Clinton
**Chicago Rawhide Mfg. Co. ("Krome" & Rawhide Leather), 1301 Elston av**
Clinton Supply Co., 117 S Clinton
Eagle Belting Co., 558 W Randolph
Fensholt & Fechner, 16 S Clinton
Gump B. F. Co., 431 S Clinton
**Hercules Mfg. Co., 4328 Greenwood av**
Lynch Edw. & Co. (Leather), 31 S Clinton
McCanley Belting Co. ("Shield" & "Marine" Leather), 412 Orleans
Moloney Belting Co. ("M" Leather), 130 N Franklin
**Paris Belt & Novelty Co. (Leather),** 231 N Wells
Rockford Belting Co., Rockford, Ill.
Salisbury W. H. & Co. (Leather), 308 N Madison av
**UNION ASBESTOS & RUBBER CO.** (Rubber), 231 S Wells
*See adv index at end of book*
Woodcock Bros. (Leather), 562 W Randolph
Young Inner Duck Leather Belting Co., 416 W Grand av

### INDIANA.

EVANSVILLE—Evansville Leather & Belting Co. (Leather)
FORT WAYNE—Fort Wayne Oil & Supply Co.
National Mill Supply Co.
HAMMOND—McIlroy Belting & Hose Co. ("Rubber-Ite" Canvas)
INDIANAPOLIS—Duckwall Belting & Hose Co. ("Duro" Leather), 201 N West
**HIDE, LEATHER & BELT MFG. CO.** ("Volt" Machine Oak Tanned, "Wetprufe," Waterproof, Chrome, Dynamo Leather), 227 S Meridian

### KENTUCKY.

LOUISVILLE—Cowan Andrew & Co. ("Tiger" Leather)

### LOUISIANA.

NEW ORLEANS—Southern Belting Co. of New Orleans, La. (Leather), 602 S Peters
SHREVEPORT—Gulf States Belting & Hose Co. (Leather)

### MAINE.

LEWISTON—Dickey Belting Co. (Leather)

### MARYLAND.

BALTIMORE — Baltimore Belting Co. ("Balto-belt" Oak Bark Tanned and "Navy Special"), 115 W Lombard
Chesapeake Belting Co. (Stitched Canvas), 823 McKim
Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas & Asbestos), 418 E. Pratt
*See adv index at end of book*
Druid Oak Belting Co. ("Druid Primo" Pure Chestnut; Oak Tanned, Acid, Water & Steam Proof), 111 E Lombard
Gandy Belting Co. (Stitched Cotton Duck), 740 W Pratt
Maryland Belting & Packing Co. (Leather)
Mount Vernon Belting Co. ("Mt. Vernon" & "Obstitch" Stitched Canvas), 333 Warren av
TEXAS—American Belting Co.'s ("Alpha" Heavy Canvas)

### MASSACHUSETTS.

BOSTON—American Belting & Tanning Co. ("Aquamarine" Water Proof Mineral Tanned Leather, Oak Tanned Leather), 135 Oliver
Barnes Henry K. Co. (Oak & Mineral Tanned Leather, Steam & Water Proof), 234 Devonshire
Bay State Belting Co. (Oak & Indian Tanned Leather), 349 Congress
Boston Belting Corp. ("Imperial" Stitched, "Excelsior Red Friction," "Elmwood," "Special Excelsior," "Boston," "Niagara," "Trimount," "Universal," "Gutta Balata," "Flexite Balata," Conveyor, Elevator), 84 Linden Park
**Carton Belting Co. (Stitched Canvas), Alls.**
Globe Leather Belting Co. (Leather), 519 Atlantic av
Hamblet & Hayes Co. ("H & H" Hair), 284 Devonshire
Hunt Henry C. Co. (Leather), 135 Oliver
Ireson Chas. L. ("Anhydrous" Chrome & Tanned Leather), 221 High
Revere Rubber Co. (Giant, Seamless & Stitched Rubber), 60 High
Shackley W. T. & Son Co. ("Velvet" Oak Tanned Leather), 42 High
CAMBRIDGE—Boston Woven Hose & Rubber Co. ("Perfection" Rubber Belting Constructed of Fine Closely Woven Duck; also "Bull Dog," "Dandy," "Helmet," "Plymouth," "Bay State," "Service," "Raw," "Tiger," "Bison," "Vigo," "Utah," "Congress," & "Senate" Belting)
CHELSEA—Revere Rubber Co. (Giant Seamless & Stitched Rubber)
FALL RIVER—Hervey F. L. & Co. (Oak Tanned Leather)
Union Belt Co. (Oak Tanned)
HOLYOKE—Holyoke Belting Co. (Short Lap Oak Leather & Submarine & Waterproof Leather)
HUDSON—Foulds I. & Son (Chrome Waterproof Leather)
LAWRENCE—McLanathan F. W. & Son (Leather)
LOWELL—Turner J. S. Mfg. Co. ("Royal Oak" Oak Tanned Leather)
Wilby Wm. Estate, 68 Washington
Whiting Henry F. (Oak Tanned Leather)
NORTH CHELMSFORD—North Chelmsford Machine & Supply Co. (Oak Tanned Leather)
SOUTH ATTLEBORO—Coupe Wm. Co., (Ltd.) ("Excelsior" Raw Hide)
SPRINGFIELD—Springfield Belting & Supply Co. (Leather)
WORCESTER—Graton & Knight Mfg. Co. ("G. & K.," "Heart," "Graknight," "Pryzoak" Brand, "Geaknight Dynamo," "Monarch" Leather, etc.)
Hudson Belting Co. ("Mermaid," Waterproof, Stretched Oak, Mineral & Indian Tanned Leather), 3 Eaton pl

### MICHIGAN.

DETROIT—Detroit Oak Belting Co. (Oak Tanned, Short Lap) 266 Wight
Edwards H. D. & Co. (Leather), 16 Woodward av
Wing J. T. & Co. (Oak Tanned Leather), 19 Woodward av
GRAND RAPIDS—Grand Rapids Belting Co., 1-3 Ionia av, Grand Rapids, Mich
**RANIVILLE F. CO.** (Flat Rounded, Twisted, Built-up Solid Rounded; Acid Proof Water & Oil Proof, & Sewing Machine Leather Belting)
JACKSON—Central Distributing Co.
NILES—Acme Belting Co. ("Black Diamond," "Atlas" Canvas, Stitched)
National Leather Mfg. Co. ("National" Tan & Full Oak Tan, etc)

### MINNESOTA.

MINNEAPOLIS—Nott W. S. Co. ("Diamond," "Notts Extra," "Special Tanned," "Paragon," "Dynamo" Oak Tanned Leather), 2nd av N & 3rd
**Plant Rubber Co. (Rubber), 322 1st av N**
**Sikes S. R. Co. (Leather), 1030 S 3rd**

### MISSOURI.

KANSAS CITY—Webb Bros. Belting Co. (Oak Tanned Leather), 1304 Union av
ST. LOUIS—Bennett, Dreyer Buss. Belting Co., 3110 N 11th
Byrnes Belting Co. (Leather, Canvas & Rubber), 2109 Locust
Capen Belting & Rubber Co. ("Edge-On," Laminated Leather), Main & Chestnut
**Cornelius Mill Furnishing Co. (Oak Tanned Leather), 1119 N 6th**
General Mfg. Co. (Leather), 1804 Pine
**Missouri Belting Co. (Oak Tanned Leather), Grand & La Salle**
**National Belting & Hose Co., 13th & Pine**
Shultz Belting Co. (Rawhide & Woven Leather), 4th & Barton
Union Belting Co., 400 N 2nd

### NEW HAMPSHIRE.

CONCORD—Page Belting Co. (Leather)
DOVER—Williams I. B. & Sons ("Cocheco," Oak-Tanned Leather)

### NEW JERSEY.

BAYONNE—Duryea Mfg. Co. (Woosters Cotton Waterproof)
BLOOMFIELD—Combination Rubber Mfg. Co. ("Indestructine," Bloomfield," "Franklin," "Mandarine," "Glenwood," "Essex," & "Trinity" Rubber)
Crisp Jas. & Co. (Round & Twist, etc)
HAMILTON SQUARE—Mercer Rubber Co. ("Mercer," "Hudson," "Salem," "Essex")
JERSEY CITY—Eureka Fire Hose Mfg. Co. (Cotton Machine), Wilkinson av
N. J. Car Spring & Rubber Co. ("Arcadia," "Car Spring," "Reliable," "Staple," "Gibraltar," "Velva," "Gladiator"), 91 Brunswick
Voorhees Rubber Mfg. Co. (Rubber, "Criterion," "Union," "Federal," "Bostwick," "American," "High Speed," "Corliss," "Sensation," "Clairmont," "Power"), 18 Bostwick av
NEWARK—Couse & Bolten (Oak Tanned Leather), 44 Lafayette
Fenwick-Reddaway Mfg. Corp. (Hair), 46 Paris
Meier-Andres Belting Co. (Leather), 128 Mulberry
Meier's Joseph Sons (Leather, "Steer Brand"), 256 Market
Monut & Brady (Leather), 46 Mechanic
Rossendale-Reddaway Belting & Hose Co. ("Sphinx" & Other Brands of Stitched Canvas Belting; also the "Camel Hair")
Walker Chas. W. Sons & Co. (Oak Tanned Leather), 288 Market
**WALSH SONS & CO., INC.** (Dealers), 295-305 Passaic
PASSAIC—Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt)
Manhattan Rubber Mfg. Co. ("Condor" Rubber)
PATERSON—Van Riper Mfg. Co. (Oak Leather)
TRENTON—Acme Rubber Mfg. Co. (Rubber)

Empire Tire & Rubber Corp. ("Alabama," "Amazon," "Empire's Best," "Empire Friction," "Indestructible," "La Salle," "Merrimac," "Model," "Monitor" & "Standard," Rubber Stitched or Plain), Trenton
Hamilton Rubber Mfg. Co. (Rubber)
Home Rubber Co. (Rubber)
United & Globe Rubber Co. ("U & G"), (Rubber)
Whitehead Bros. Rubber Co. (Rubber)
Woven Steel Hose & Rubber Co. (Rubber)

## NEW YORK.

ALBANY—Albany Belting & Supply Co.
AUBURN—Columbian Rope Co. (Rope), 3050 Genessee
BUFFALO—Bickford & Francis Belting Co. ("B, C & D" & "B & F" Leather), 34 Pearl
Buffalo Belting Works (Leather), 18 Ellicott
Buffalo Weaving & Belting Co. (Solid Cotton Machine, 2 to 10 Ply: "R F & C," Patented)
Hewitt Rubber Co. (Rubber & Stitched)
Peerless Belting Co., Indian Church rd
EAST ROCHESTER—Empire Weaving & Belting Corp. ("Tuftex" Solid Cotton Woven)
LOCKPORT—Empire Mfg. Co. ("Empire" Solid Cotton)

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Brooklyn Leather Belting Co., 42 S 6th
New York Leather Belting Co. ("Phoenix" Leather), 465 Kent av
North Side Leather Belting Co., Inc., 248 Lorimer
Reinhold Belting & Supply Co. (Leather), 491 Atlantic av
Stine J. R. & Co., 465-471 Kent av

### Boroughs of Manhattan and Bronx.

NEW YORK—Bachmann J. & Co. (Oak Tanned Short Lap Leather), 16 Reade
Ballard Stephen Rubber Co., 90 W B'way
Bonner & Barnewall ("Perfection," Oak Tanned Leather), 30 Church
Boyle John & Co. (Solid Woven Cotton, Rubber Filled), 112 Duane
Central Belting Co. (Leather), 41 W 21st
Cuming Henry B., 207 Center
Dominion Asbestos & Rubber Corp. ("Dominion," "Sovereign," "Regent") (Leather, Rubber, Balata, Canvas, & Asbestos), 154 Nassau & 67 Murray
*See adv index at end of book*
Fairbanks Co. (Jobbers in Leather), 416 Broome, New York
Fay Belting Co., 151 Lafayette
Goodrich B. F. Co. ("Goodrich," "Pilgrim," "Pinnacle," "Cycle," "Rob Roy," "Marathon"), 1780 B'way
Goodyear Rubber Co. & Rubber Clothing Co. (Rubber), 787 B'way.
Gutta Percha & Rubber Mfg. Co. ("Maltese Cross," "Red Strip," "Montana," "Mohawk," "Sagamore" Rubber, Montana Sitched Duck, Seamless Cover), 126 Duane
Hauschildt & Ekins, 222 Center
Johnson Belting Co. (Leather), 342 E 38th
Ladew Edward R. Co. ("Hoyt," "Flintstone" Short Lap Oak Tanned Belting), 54 Franklin
Laurence Belting Co. ("Pyramid," "Essex"), 111 Chambers
Maguire Rubber Co., 200 5th av
Manhattan Belting Co. (Leather), 329 Lafayette
Mechanical Rubber Co. (Rubber), 73 Reade
National Leather Belting Co. (Oak Tanned), 342 E 38th
New York Belting & Packing Co. (Rubber), 91 Chambers
**NEW YORK RUBBER CO.** (Rubber), 323 W Randolph, Chicago, Ill., Reade & Church, New York
Northrop E. R. Co., 88 White
United States Rubber Co., 1790 Broadway, New York
Rahmann Geo. & Co. (Leather), 31 Spruce
**ROBINS CONVEYING BELT CO.** (Rubber), 13 Ann
*See adv index at end of book*
Scandinavia Belting Co. ("Scandinavia" Solid Woven Cotton), 106 Reade
Schieren Chas. A. Co. ("Royal Extra," "Bull's Head," "Electric," Oak-Tanned & "Duxbak" Steam & Water Proof), 30 Ferry
Schwartz Belting Co., "Supple," "Atlantic," "Axiom Dynamo," "Axiom Heavy," "Axiom," "Extra Heavy," "Globe," "Pacific," "H 20 Waterproof"), 76 Murray
Shoemaker W. H. & Son (Rondo & Oak Tanned Leather Belting), 36 Vesey
Strong Machinery & Supply Co. ("Strong's Tisafine"), 21 Walker.
*See adv index at end of book*
Zimmer Conrad (Leather), 70 Fulton

### (End of New York City)

PALMYRA—Crandall Packing Co.
ROCHESTER—Cross Bros. & Co. (Leather)
Empire Weaving & Belting Corp. ("Tuftex" Solid Cotton), East Rochester
Forster John M. Co. (Leather)
SYRACUSE—Syracuse Supply Co. (Oak-Tanned Leather)
TROY—Barnum Bros. Co. ("Tan-Rex," "Rex," "Barbraco" Leather)
Troy Belting & Supply Co. (Leather)

UTICA—Lawton W. M., 6-10 Devereaux
Smyth-Despard Co. ("Royal Oak," Tanned Leather)
Smyth-Despard Co. ("Royal Oak," "Chieftain" & "True Oak" Oak-Tanned Leather)

## NORTH CAROLINA.

CHARLOTTE—Charlotte Leather Belting Co.

## OHIO.

AKRON—Akron Belting Co. (Leather, "Akron" Brand)
Goodrich B. F. Co. (Rubber) ("Commander," "Goodrich," "Pilgrim," "Pinnacle," "Cycle," "Rob Roy," "Marathon")
Goodyear Tire & Rubber Co. ("Commander," Balata Canvas)
CINCINNATI — Burr Oak Belting Co. ("Burr," Oak "Square Deal" Tanned Leather), 521 Livingston
Cincinnati Rubber Mfg. Co. ("Arno," "Broncho," "Consul," "Norwood," "Pacemaker," "Pawnee," "Sandow"), Plain, Friction Surface, Rubber & Stitched)
Curry J. W. Co. ("Curry" Fabric, Endless), 2615 Cummins
Dominion Asbestos & Rubber Corp., Neave bldg.
*See adv index at end of book*
Eagle Counter & Leather Co. (Leather), 416 E 8th
Franklin Cotton Mill Co. (Cotton), Plum & Charles
Mooney Belting Co. (Leather), 844 W 6th
Regal Belting Co. (Leather), 2520 Spring Grove av
CLEVELAND—Buckeye Belting & Supply Co. (Leather), 1560 W 3rd
Canvas Belting Co.
Cleveland Fabric Belting Co., 1471 W 110th
Mau-Sherwood Supply Co. ("Republic," "Erie" Oak Tanned Leather), 1616 W 3rd
Sawyer Belting Co. (Canvas Stitched), Ft. Lisbon, S E
COLUMBUS—**JEFFREY MFG. CO.** ("Century" Rubber), 961 N Fourth
*See adv index at end of book*
ELYRIA—National Belting Co. ("Textol" Canvas)
SPRINGFIELD—Bretney H & Co. (Leather),
TOLEDO—Hettrick Mfg. Co. ("Hettrick's" "Inner Duck")
YOUNGSTOWN — Republic Rubber Co. ("Mercury" Rubber, "Republic," "Powerful," "Invader," "Tampico" Oil Well")

## OREGON.

PORTLAND—Davis-Scott Belting Co. (Leather), 108 Union
Lambert Multiplus Co., 110 Union av

## PENNSYLVANIA.

MANHEIM—**MANHEIM MFG. & BELTING CO.** ("Veelos")
NORRISTOWN—Montgomery Belting & Supply Co. (Leather), 147 W Main
PHILADELPHIA — **ALEXANDER BROS.** (Oak Tanned), 3d & Callowhill
Arny C. W. & Son (Oak Tanned), Trenton & Somerset
Barlow Bros. (Leather), 543 N 64th
Billington J. H. Co. ("Danforth" Leather), 113 Chestnut
**BOND CHAS. CO.** (Leather), 617 Arch
Brown D. P. & Co. ("Teon," made in England), 264 N 4th
Covell W. International Leather Belting Corp., 412 S 45th
Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas, Asbestos), 110 Walnut
*See adv index at end of book*
Etsweiler William ("Alas Balata," Leather), 230 N 3d
Fisher Leather Belting Co., 221 N 3d
Gilmer L. H. Co. ("Keystone" & "Vincent" Solid Cotton), Cottman & Keystone.
Goodrich B. F. Co. ("Goodrich," "Pilgrim," "Pinnacle," "Cycle," "Rob Roy," "Marathon") Broad & Sp. Garden
Himmelien & Bailey (Leather), 248 Chestnut
Hood R. H. Co. ("Marathon" Leather), 1842 Germantown av
Industrial Requirements Co. ("Apex" Chrome Leather), 136 Chestnut
Johns H. W.-Manville Co. ("J-M," Rubber & Duck), 23 N 2d
Main Belting Co. ("Leviathan," Canvas), 1219 Carpenter
Paulus Jos. C. & Co. (Leather), 2507 Potter
Pechin Belting Co. ("None-Such" Oak Leather & Chrome), Fairmount & Front
Quaker City Rubber Co. ("Ironsides," "Atlantic," "Desert" Friction-clad, "Standard," "Hercules," "Crown" & Quaker Rubber), 629 Market
Restein, Clement Co. (Rubber, etc), 139 N 2d
Rhoades J. E. & Sons, 13 N 3d. Works: Wilmington, Del.
Richie, Crawford Co. (Leather), 414 N 3d
Ruboil Belting Co. ("Ruboil"), 8th & Wallace; Factory: Newark, N. J.
Smith Manning J. Belting Co., 41 E Ashmead, Gtn.
PITTSBURGH—Colonial Supply Co., 414 1st av *See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Hartley-Ross Belting Co. (Leather), 425 1st av
WILLIAMSPORT—Slate's Geo. Sons
Williamsport Leather Goods Co.

## RHODE ISLAND.

BRISTOL—National India Rubber Co. (Rubber)
PAWTUCKET—Bucklin C. R. Belting Co.
Weatherhead, Thompson & Co. (Leather)
PROVIDENCE—MacWatty Belting Co., 7 Beverly
Narragansett Belting Co. (Leather), 68 W Exchange

## TENNESSEE.

MEMPHIS—Reed & Duecker ("U. S." Oak Tanned Leather & "Hippo." Water Proof Leather Belting)

## TEXAS.

FORT WORTH—Fort Worth Well Machy. & Supply Co.

## VIRGINIA.

NORFOLK—Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas & Asbestos),
*See adv index at end of book*

VIRGINIA—continued
RICHMOND — Richmond Leather Mfg. Co. (Leather)
Virginia Leather Co. (Oak Tanned)

WISCONSIN.

MILWAUKEE—Milwaukee Leather Belting Co., 146 W Water
Rasmussen Julius, 111 W Water
Western Raw Hide & Belting Co. ("White" Rawhide & "Superior" Surface Tanned), 600 So Pierce

## 735—Belting Mfrs. (Acid Proof)

Acme Belting Co. ("Black Diamond" Canvas Stitched), Niles, Mich.
**ALEXANDER BROS.** ("Flexo" Type), 3d & Callowhill, Philadelphia, Pa.
Chesapeake Belting Co., 823 McKim, Baltimore, Md.
Combination Rubber Mfg. Co. ("Indestructine"), Bloomfield, N. J.
Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt), Passaic, N. J.
Druid Oak Belting Co. ("Dobco" Oak Tanned), 111 E. Lombard, Baltimore, Md.
Empire Tire & Rubber Corp., Trenton, N. J.
Fenwick-Reddaway Mfg. Co. (Hair), 46 Paris, Newark, N. J.
Graton & Knight Mfg. Co. ("G. & K.," "Spartan Fume"), Worcester, Mass.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hide, Leather & Belt Mfg. Co. ("Wetprufe"), 227 So Meridian, Indianapolis, Ind.
Home Rubber Co., Trenton, N. J.
Raniville F. Co., Grand Rapids, Mich.
Rossendale-Reddaway Belting & Hose Co. ("Camel Hair"), Newark, N. J.
Shultz Belting Co. ("Aqua"), Fourth & Barton, St. Louis, Mo.

## Belting Mfrs. (Angular)

See Belting Mfrs.

## 735a—Belting Mfrs. (Asbestos)

See Also Belting Mfrs.

Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*

## 736-7—Belting Mfrs. (Balata)

Boston Belting Corp., ("Gutta-Balata," "Flexite Balata"), 84 Linden Park, Boston, Mass.
Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt), Passaic, N. J.
Empire Rubber & Tire Corp. ("Champion"), Trenton, N. J.
Fabreeka Belting Co., Burlington, Vt.
Fairbanks Co. (Jobbers), 416 Broome, New York.
Goodyear Tire & Rubber Co. ("Goodyear"), Akron, O.
Imperial Belting Co. ("Pyramid-Balata"), 400 N Lincoln, Chicago, Ill
**MANHEIM MFG. & BELTING CO.** ("Veelos"), Manheim, Pa.
**STRONG MACHINERY & SUPPLY CO.** ("Tisafine"), 21 Walker, New York
*See adv index at end of book*
Victor-Balata & Textile Belting Co. ("U-B." "Victor-Balata") 38 Murray, New York

## 738—Belting Mfrs. (Canvas, Rawhide Center)

National Leather Mfg. Co., Niles, Mich.

## 739— Belting Mfrs. (Canvas Stitched)

Acme Belting Co. ("Atlas"), Niles, Mich.
American Belting Co.'s ("Alpha"), Texas, Md.
Boston Woven Hose & Rubber Co. ("Milo," "Junior"), Cambridge, Mass.
Boyle John & Co., 112 Duane, New York
Carton Belting Co. ("Carton" (Red), "Carzack" (Black) Stitched Canvas), 52 Everett, Allston, Mass.
Chesapeake Belting Co., 823 McKim, Baltimore, Md.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Combination Rubber Mfg. Co. (Straight & Serpentine Stitched), Bloomfield, N. J.
Empire Tire & Rubber Corp. ("Champion"), Trenton, N. J.
Fairbanks Co. (Jobbers), 416 Broome, New York.
**FENWICK-REDDAWAY MFG. Co.** ("Stanwell"), 46 Paris, Newark, N. J.
Gandy Belting Co. ("Gandy"), 740 W Pratt, Baltimore, Md.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
*See adv index at end of book*
Hettrick Mfg. Co., Toledo, O.
Imperial Belting Co. ("Rexall," "Sahara"), 400 N Lincoln, Chicago, Ill.
McIlroy Belting & Hose Co. ("Rubber-Ite"), Hammond, Ind.
Main Belting Co. ("Leviathan"), 1219 Carpenter, Phila., Pa.
**MANHEIM MFG. & BELTING CO.** (Hemeke), Manheim, Pa.
Mount Vernon Belting Co., 333 Warren av, Baltimore, Md.
National Belting Co. ("Textol," "Black Devil," "Pyramid" and "Red Jacket"), Elyria, O.
National Leather Belting Co., 342 E 38th, New York
New Jersey Car Spring & Rubber Co. ("Gladiator"), 91 Brunswick, Jersey City, N. J.
Page Belting Co., Concord, N. H.
Rossendale-Reddaway Belting & Hose Co. ("Sphinx" & Other Brands), Newark, N. J.
Ruboil Belting Co., 8th & Wallace, Phila, Pa.
Sawyer Belting Co. (Roll & Endless), ft Lisbon rd, S E, Cleveland, O.
United States Rubber Co., 1790 Broadway, New York
Victor Balata & Textile Belting Co. ("Ampere," "White Seal," "Trough Con"), 38 Murray, New York
Whitehead Bros. Rubber Co., Trenton, N. J.

## 740—Belting Mfrs. (Chain Link)

**BARTLETT C. O. & SNOW CO.,** Fall, st, Cleveland, O.
*See adv index at end of book*
Chain Belt Co. ("Griplock"), Milwaukee, Wis.
**DIAMOND CHAIN & MFG. CO.,** Indianapolis, Ind.
Federal Malleable Co. (Malleable Iron), West Allis, Wis.
Franklin Park Foundry Co. (Detachable), Franklin Park, Ill.
Herschel R. Mfg. Co., Peoria, Ill.
Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.
**JEFFREY MFG. CO.** (Steel), 961 N 4th, Columbus, O. *See adv index at end of book*
**LINK-BELT COMPANY** ("Ewart" Detachable & Pintle Chain), 329 W 39th, Chicago, Ill.; Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Link Chain Co. ("Arrow Brand" Detachable Chain), Williamsport, Pa.
Locke Steel Belt Co., Bridgeport, Conn.
Mey Chain Belt Co., Buffalo, N. Y.
Michigan Sprocket Chain Co., Delray, Detroit, Mich.
Moline Malleable Iron Co., St. Charles, Ill.
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
National Leather Belting Co., 342 E 38th, New York
Puget Sound Machinery Depot, 318 1st av, Seattle, Wash.
Stowell Co. The (Malleable Iron), S Milwaukee, Wis.
Union Chain & Mfg. Co., Seville, O.
Union Engineering Co., Cuyahoga & W 4th
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Whitney Mfg. Co., Hartford, Conn.
Wisconsin Iron & Wire Works (For Pulp Mills), Milwaukee, Wis.

## 741— Belting Mfrs. (Conveyor)

See also Conveyors, Belt; Belting, Canvas Stitched; Belting, Rubber; Belting, Chain Link
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Barber-Greene Co., Aurora, Ill.
Boston Belting Corp. (Balata & Rubber), 84 Linden Park, Boston, Mass.
Burrell Belting Co. (Solid Woven Cotton), 1413 S Hermitage av, Chicago, Ill.
Chain Belt Co. ("Griplock"), Milwaukee, Wis.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Colonial Supply Co., 414 1st av, Pittsburgh, Pa. *See adv index at end of book*
Corns Conveying Belt Co. (Cotton), 53 W Jacobson blvd, Chicago, Ill.
Empire Tire & Rubber Corp., Trenton, N. J.
Empire Weaving & Belting Corp., East Rochester, N. Y.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Fenwick-Reddaway Mfg. Co. (Canvas), 46 Paris, Newark, N. J.
Goodrich B. F. Co. ("Longlife"), Akron, O.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hettrick Mfg. Co., Toledo, O.
Hewitt Rubber Co. ("Magnus," "Dogwood," "Hollywood"), Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
**MANHEIM MFG. & BELTING CO.** ("Python"), Manheim, Pa.
**NEW YORK RUBBER CO.,** 323 W Randolph, Chicago, Ill., Reade & Church, New York
N. J. Car Spring & Rubber Co. ("Staple," Extra Para"), 91 Brunswick, Jersey City, N. J.
Page Steel & Wire Co., Adrian, Mich.
Quaker City Rubber Co., 629 Market, Phila., Pa.
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York
*See adv index at end of book*
Rossendale-Reddaway Belting & Hose Co. (Stitched Canvas, "Black Bird," Woven Cotton), Newark, N. J.

## Belting Mfrs. (Cotton)

See Belting Manufacturers, Solid Cotton

## 742-3—*Belting Mrfs. (Detachable Chain)

**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*

## Belting Mfrs. (Fan)

See Belts, Automobile

## Belting Mfrs. (Leather)

See Belting Manufacturers

## 744-5-6-Belting Mfrs. (Leather Link)

Schieren Chas. A. Co. ("American"), 30 Ferry, New York
Shultz Belting Co. ("Shultz"), Fourth & Barton, St. Louis, Mo.

## 747—Belting Mfrs. (Perforated)

Schieren Chas. A. Co., 30 Ferry, New York

## 748—Belting Mfrs. (Rawhide)

Bay State Belting Co. ("Indian Tan"), 349 Congress, Boston, Mass.
Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
Coupe Wm. Co. (Ltd.), ("Flexible," "Excelsior"), South Attleboro, Mass.
Missouri Belting Co. ("Giant"), Grand & La Salle, St. Louis, Mo.
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.
Shultz Belting Co. (Shultz Sable"), Fourth & Barton, St. Louis, Mo.
Western Rawhide & Belting Co. ("Superior"), 600 S Pierce, Milwaukee, Wis.

## 749— Belting Mfrs. (Rope)

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

## 750—Belting Mfrs. (Round or Twist)

Rawhide Leather

**ALEXANDER BROS.**, 3rd & Callowhill, Philadelphia, Pa.
Bay State Belting Co., 349 Congress, Boston, Mass.
Chicago Rawhide Mfg. Co. (Rawhide), 1301 Elston av, Chicago, Ill.
Colonial Supply Co., 414 1st av, Pittsburgh, Pa.
*See adv index at end of book*
Coupe Wm. Co., Ltd. (Rawhide, Round), South Attleboro, Mass.
Crisp Jas. & Co., Bloomfield, N. J.
Graton & Knight Mfg. Co. ("Spartan" Twist & Solid Round), Worcester, Mass.
Hudson Belting Co., 3 Eaton pl, Worcester, Mass.
Jewell Belting Co., Hartford, Conn.
Ladew Edward R. Co. (Leather), 54 Franklin, New York
Missouri Belting Co. ("Ebony," Round), Grand & La Salle, St. Louis, Mo.
National Leather Mfg. Co. (Rawhide, Tan), Niles, Mich.
N. Y. Leather Belting Co., 465 Kent av, Brooklyn, N. Y.
Page Belting Co. ("Crown" Leather), Concord, N. H.
**RANIVILLE F. CO.** ("Star," "Oko," "Gam-Tan," "Olotan," Round & Flat), Grand Rapids, Mich.
Rhoads J. E. & Sons ("Tannate"), 12 N 3d, Phila., Pa. Works: Wilmington, Del.
Schieren Chas. A. Co., 30 Ferry, New York
Shultz Belting Co. ("Shultz"), Fourth & Barton, St. Louis, Mo.
Sumner Wm. Belting Co. (Patent Cotton Leather), Tolland, Conn.
Western Rawhide & Belting Co. ("Superior"), 600 S Pierce, Milwaukee, Wis.
Williams I. B. & Sons ("Gilt Edge" Round), Dover, N. H.

## Belting Mfrs. (Rubber)

See Belting Mfrs. with the word Rubber following their names

## 750a—Belting Mfrs. (Silent Chain)

Morse Chain Co., Ithaca, New York
*See adv index at end of book*

## 751—Belting Mfrs. (Solid Cotton)

Acme Belting Co. ("Black Diamond"), Niles, Mich.
Bay State Belting Co., 349 Congress, Boston, Mass.
Boyle John & Co. (Solid), 112 Duane, New York
Brophy Belting & Supply Co. (Hand Wove Endless Belt), Madison, Ind.
Brown Arthur S. Mfg. Co. ("Tilton" Endless), Tilton, N. H.
Buffalo Weaving & Belting Co., Buffalo, N. Y.
Burrell Belting Co., 413 S Hermitage av, Chicago. Ill.
Carton Belting Co. ("Azak"), 52 Everett, Allston, Mass.
Curry J. W. Co. (Solid Woven), 2615 Cummins, Cincinnati, O.
Duryea Mfg. Co. ("Wooster's"), Bayonne, N. J.
Empire Mfg. Co. ("Empire" Waterproof), Lockport, N. Y.
Empire Weaving & Belting Corp. ("Tuftex"), East Rochester, N. Y.
**FENWICK - REDDAWAY MFG. CO.** ("Climax"), 46 Paris, Newark, N. J.
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Gilmer L. H. Co., Keystone & Cottman, Tacony, Phila., Pa.
Globe Woven Belting Co., 1398 Clinton, Buffalo, N. Y.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Higrade Belting & Weaving Co., Paris, Newark, N. J.
Hettrick Mfg. Co., Toledo, O.
McIlroy Belting & Hose Co. ("Rubber-Ite"), Hammond, Ind.
Mt. Vernon-Woodberry Mills, Inc., Cont. bldg, Baltimore, Md.
Rossendale-Reddaway Belting & Hose Co. ("Blackbird"), Newark, N. J.
Russell Mfg. Co., Middletown, Conn.
Scandinavia Belting Co. ("Scandinavia" Solid Woven Cotton), 106 Reade, New York
Stanley Belting Corp. (Imp. Solid Woven), 34 S. Clinton, Chicago, Ill.
Sumner Wm. Belting Co., Tolland, Conn.
Susquehanna Webbing Co., Bloomsburg, Pa.
Tilton Mills (Endless Woven), Tilton, N. H.
Warren Mfg. Co., Warren, Md.

## 752—Belting Mfrs. (Thresher)

Acme Belting Co. ("Atlas" Endless), Niles, Mich.
American Belting Co.'s (Endless Stitched Canvas, "Alpha," "American" Thresher), Texas, Md.
Boston Woven Hose & Rubber Co. ("Grain King" Canvas), Cambridge, Mass.
Carton Belting Co. ("Carton," Endless), 52 Everett, Allston, Mass.
Chesapeake Belting Co. (Endless Stitched Canvas), 823 McKim, Baltimore, Md.
Combination Rubber Mfg. Co. ("Indestructene"), Bloomfield, N. J.
Curry J. W. Co. ("Curry," Solid Woven Waterproof), 2615 Cummins, Cincinnati, Ohio
Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt), Passaic, N. J.
Empire Mfg. Co. ("Empire" Waterproof), Lockport, N. Y.
Empire Tire & Rubber Corp., Trenton, N. J.
Gandy Belting Co. ("Gandy" Endless Stitched Canvas), 740 W Pratt, Baltimore, Md.
Goodrich B. F. Co., Akron, O.
Gump B. F. Co., 431 S Clinton. Chicago, Ill.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hettrick Mfg. Co., Toledo, O.
Home Rubber Co., Trenton, N. J.
Mercer Rubber Co. (Rubber), Hamilton sq, N. J.
Mt. Vernon Belting Co. ("Mt. Vernon," Endless), 333 Warren av, Baltimore, Md.
**NEW YORK RUBBER CO.**, 323 W Randolph, Chicago, Ill., Reade & Church, New York
Quaker City Rubber Co. (Endless Rubber), 629 Market, Phila., Pa.
Sawyer Belting Co. (Endless Stitched Canvas), ft Lisbon rd S E, Cleveland, O.
Victor-Balata & Textile Belting Co., 38 Murray, New York.

## 753—Belting Mfrs. (Waterproof)

Acme Belting Co. ("Black Diamond" Canvas), Niles, Mich.
**ALEXANDER BROS.** ("Dreadnaut"), 3d & Callowhill, Philadelphia, Pa.
American Belting & Tanning Co. ("Otter" Chrome Tanned), 135 Oliver, Boston, Mass.
Bachmann J. & Co. ("Hippo"), 16 Reade, New York
Bay State Belting Co. ("Water King"), 349 Congress, Boston, Mass.
Bond Chas. Co. (Leather), 617 Arch, Phila., Pa.
Bonner & Barnewall ("Rex-Tan" Leather), 30 Church, New York
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Baltimore Belting Co. ("Navy"), 115 W Lombard, Baltimore, Md.
Burr Oak Belting Co. ("Sealskin"), 521 Livingston, Cincinnati, O.
Carton Belting Co. ("Azak," Solid Woven), 52 Everett, Allston, Mass.
Chesapeake Belting Co., 823 McKim, Baltimore, Md.
Chicago Belting Co. ("Sea Lion," Leather), 125 N Green, Chicago, Ill.
Curry J. W. Co. (Endless), 2615 Cummins, Cincinnati, Ohio
Dick R. & J. (Ltd.) ("Dickbelt," Original Balata Belt), Passaic, N. J.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Druid Oak Belting Co. ("Druid Waterproof"), 111 E. Lombard, Baltimore, Md.
Duryea Mfg. Co. ("Wooster's" Cotton), Bayonne, N. J.
Empire Mfg. Co. ("Empire"), Lockport, N. Y.
Empire Tire & Rubber Corp., Trenton, N. J.
Empire Weaving & Belting Corp. (Canvas), East Rochester, N. Y.
Fenwick-Reddaway Mfg. Co., 46 Paris, Newark, N. J.
Foulds I. & Son (Chrome), Hudson, Mass.
Graton & Knight Mfg. Co. ("G. & K." "Neptune," "Neptune Dynamo"), Worcester, Mass.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
**HIDE, LEATHER & BELT MFG. CO.** ("Wetprufe"), 227 S Meridian, Indianapolis, Ind.
Home Rubber Co., Trenton, N. J.
Hudson Belting Co. ("Mermaid"), 3 Eaton pl, Worcester, Mass.
Ireson Chas. L. ("Anhydrous" Mineral Tanned), 221 High, Boston, Mass.
Laurence Belting Co. ("Cascade"), 111 Chambers, New York
McIlroy Belting & Hose Co. ("Rubber-Ite," Canvas Stitched), Hammond, Ind.
Manhattan Belting Co. ("Rainbo"), 329 Lafayette, New York
Missouri Belting Co. ("Alligator"), Grand & La Salle, St. Louis, Mo.
Moloney Belting Co. ("Whale"), 130 N Franklin, Chicago, Ill.
National Leather Belting Co. (Leather), 342 E 38th, New York
N. J. Car Spring & Rubber Co. ("Carspring"), 91 Bushwick, Jersey City, N. J.
New York Leather Belting Co. ("Wetite"), 465 Kent av, Brooklyn, N. Y.
Norwich Belt Mfg. Co. ("Triton"), Norwich, Conn.
Nott W. S. Co. ("Hero"), 2d av N & 3d, Minneapolis, Minn.
Page Belting Co., Concord, N. H.
Rahmann Geo. & Co. ("Kontak," "Comber"), 31 Spruce, New York
Raniville F. Co., Grand Rapids, Mich.
Reed & Duecker ("Hippo" Water Proof Leather), Memphis, Tenn.
Rossendale-Reddaway Belting & Hose Co. ("Camel Hair"), Newark, N. J.
Ruboil Belting Co. ("Ruboil"), 8th & Wallace, Phila., Pa.
Salisbury W. H. & Co. ("Seal Brand," "Lea-Duck," Stretch & Water-proof Leather, "Innertex" Stretch-proof Leather), 308 N Madison, Chicago, Ill.
Schieren Chas. A. Co. ("Duxbak," Leather), 30 Ferry, New York
Schwartz Belting Co. ("H 20"), 76 Murray, New York
Shultz Belting Co. ("Niagara" & "Aqua"), Fourth & Barton, St. Louis, Mo.
Smyth - Despard Co. ("Waterwitch," "Ute"), Utica, N. Y.
Williams I. B. & Sons ("Shedite"), Dover, N. H.

## Belting Mfrs. (Wire)

See Belts, Automobile

## 754— Belting Mfrs. (Woven Leather)

Burrell Belting Co. (Alfalfa, Burmaline & Clover), 413 S. Hermitage av, Chicago, Ill.
New York Leather Belting Co. ("Viking"), 465 Kent av, Brooklyn, N. Y.
Shultz Belting Co. ("Shultz"), Fourth & Barton, St. Louis, Mo.

## 755— Belts (Automobile)

Carter Geo. R. Co. (Fan), Connersville, Ind.
Chicago Belting Co. (Fan, Round, Flat & V), 125 N Green, Chicago, Ill.
Chicago Rawhide Mfg. Co. (Chrome), 1301 Elston av, Chicago, Ill.
Coe & Brown (Fan), New Haven, Conn.
Curry J. W. Co. ("Curry," Solid Woven, Waterproof Fan Belts), 2615 Cummins, Cincinnati, O.
Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O.
*See adv index at end of book*
Detroit Leather Works ("Flexo," Fan), 141 E Lafayette, Detroit, Mich.
Detroit Oak Belting Co. (Fan), 266 Wight, Detroit, Mich.
Druid Oak Belting Co., 111 E Lombard, Baltimore, Md.
Empire Tire & Rubber Corp., Trenton, N. J.
Empire Weaving & Belting Corp. ("Tuftex" Fan Belts, Leather & Fabric), East Rochester, N. Y.
Essex Rubber Co. (Fan), Trenton, N. J.

BELTS (Automobile)—continued
**Eureka Spring Co. (Steel), 150 Bleecker,** New York
**Gardner Wire Co. ("Calcutts," Wire),** 520 N Parkside av, Chicago, Ill.
**Gilmer L. H. Co. ("Gilmer" Woven Endless),** Cottman & Keystone, Tacony, Pa.
**Graton & Knight Mfg. Co. ("G. & K." Fan),** Worcester, Mass.
Haney J. H. & Sons ("Fan"), Omaha, Neb.
**HIDE LEATHER & BELTING CO.** (Fan), 229 S Meridian, Indianapolis, Ind.
**Hinson C. & B. Co. ("Hinson" Endless Fan),** 1511 Chase, Cincinnati, O.
**Hudson Belting Co., 3 Eaton pl, Worcester,** Mass.
**Leather Tire Goods Co. (Fan), Niagara Falls, N. Y.**
Milwaukee Leather Belting Co. (Fan), 146 W Water, Milwaukee, Wis.
**Mooney Belting Co. (Fan), 844 West 6th,** Cincinnati, O.
**National Leather Mfg. Co. (Chrome),** Niles, Mich.
**New York Wire & Spring Co. (Wire), 580** Washington, New York
**Norwich Belt Mfg. Co. (Fan), Norwich,** Conn.
**Philadelphia Belting Co. (Leather Fan),** 6th & Sp. Garden, Phila., Pa.
Polson W. J. Co. ("W. J. Polsons" Fan), 18th & Indian av, Kansas City, Mo.
Raybestos Co. (Fan), Bridgeport, Conn.
**Russell Mfg. Co. ("Rusco," Woven Endless),** Middletown, Conn.
**Schieren Chas. A. Co. (Fan), 30 Ferry,** New York
Webb Mfg. Co. ("Webb," Wire), 245-247 N. J. R. R. av., Newark, N. J.
*See adv index at end of book*
**Williams I. B. & Sons, Dover, N. H.**

## 755a— Belts (Car Lighting)

Victor-Balata & Textile Belting Co. ("Axonetat"), 38 Murray, New York

## 756-7— Belts (Cartridge)

Aronoff Joseph J., Trenton, N. J.
**Brauer Bros. Mfg. Co., 204 N 14th, St.** Louis, Mo.
Cook E. C. & Bro., 1312 Arthington, Chicago, Ill.
**Mills Woven Cartridge Belt Co., Worcester,** Mass.
**Peters Harness & Saddlery Co., Newark,** N. J.

## Belts (Conveyor)

See Belting Mfrs. Conveyor

## 758— Belts (Linemen's)

Aschenbach Henry Saddlery Co., 71 Warren, New York
**Boyle John & Co., 112 Duane, New York**
Buhrke R. H. Co., 1250 Fullerton av, Chicago, Ill.
**Dicke Tool Co., Downers Grove, Ill.**
Feeser Frank S. Co., 1033 Shelby, Indianapolis, Ind.
**Galewski Adolph & Son, 453 Broome, New** York
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
**Meckel Fred L., 11 E 13th, Chicago, Ill.**
Ransome Concrete Machinery Co., Dunellen, N. J.

## 759— Belts (Polishing)

**Ames Sword Co. (Endless Silk Sewed),** Chicopee, Mass.
**Boston Belting Corp., 84 Linden Park,** Boston, Mass.
**Chicago Rawhide Mfg. Co. (Rawhide),** 1301 Elston av, Chicago, Ill.
**Combination Rubber Mfg. Co. ("Indestructene"),** Bloomfield, N. J.
**Curry J. W. Co. ("Curry" Endless), 2615** Cummins, Cincinnati, O.
**Empire Mfg. Co. (Cotton), Lockport, N.Y.**
**Goodrich B. F. Co., Akron, O.**
**Home Rubber Co., Trenton, N. J.**
**Hudson Belting Co., 3 Eaton pl, Worcester,** Mass.
**Manhattan Rubber Mfg. Co. (Canvas with** Rubber Insertion), Passaic, N. J.
**N. Y. Belting & Packing Co., 91 Chambers,** New York
**Page Belting Co. (Leather), Concord, N.H.**

## 760— Belts (Sand Paper)

Driver C. H. & Kerr Co., Racine, Wis.
Empire Weaving & Belting Corp., East Rochester, N. Y.

## 761— Belts ("V")

See also Belts, Automobile

Badger Handle Co., 415 3rd, Milwaukee, Wis.
Boston Belting Corp. (For Ore. Concentrating Machines, etc.), 84 Linden Park, Boston, Mass.
Graton & Knight Mfg. Co. (For Fans, Motor Cycles, etc), Worcester, Mass.
Republic Rubber Co., Youngstown, O.

## Belts (Wire, Automobile)

See Belts, Automobile

## 762-3— Bench Legs

C. M. B. Wrench Co. ("Garwood" Cast Iron), Garwood, N. J.
**Chicago Hardware Foundry Co., 546 W** Washington, N Chicago, Ill.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
*See adv index at end of book*
Fairbanks Co. ("Fairbanks" Cast Iron), 416 Broome, New York
*See adv index at end of book*
Garwood Bronze & Iron Works, Garwood, N. J.
Hill Clutch Co., W 65th, Cleveland, O.
**Jones W. A. Foundry & Machine Co. (Cast Iron), 4401 W 12th, Chicago, Ill.**
Koenig Edward L., La Salle nr Lake, Chicago, Ill. *See adv index at end of book*
New Britain Machine Co. ("New Britain," Pressed Steel), 190 Chestnut, New Britain, Conn.
Western Tool & Mfg. Co., Springfield, O.

## 764—Benches (Cabinet & Pattern Makers', Etc.)

Christiansen C., 2814 W 26th, Chicago, Ill.
Diamond Clamp & Flask Co., Richmond, Ind.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Kantslip Co., Freeport, Mich.
Mason & Parker Mfg. Co., Winchendon, Mass.
Oliver Machinery Co., Grand Rapids, Mich.
Rowe Henry Mfg. Co., Newaygo, Mich.

## 765— Benches (Cutting)

Boos John & Co., Effingham, Ill.
**Michigan Maple Block Co. (All Kinds),** Petoskey, Mich.

## 766— Benches (Draw)

Brightman Mfg. Co., Columbus, O.
Loy & Nawrath Co. (For Sheet Metal), 25 Runym, Newark, N. J.
Morgan Construction Co., Worcester, Mass.
Ohl Geo. A. & Co. (20 & 24 ft), 159 Oraton, Newark, N. J.
Oliver W. W. Mfg. Co. (Jewelers, etc), 1483 Niagara, Buffalo, N. Y.
Perkins Machine Co. (Belt Power & Electrically Driven), Warren Mass.
Richard Mfg. Co. Bloomsburg, Pa.
San Francisco Engineering Co. (Calcimine), 322 6th, San Francisco, Cal.
Standard Machinery Co., Providence, R. I.
**Taylor-Wilson Mfg. Co., McKees Rocks,** Pa.
Torrington Mfg. Co., Torrington, Conn.
**VAUGHN MACHINERY CO.** (Wire Rods & Bars), Cuyahoga Falls, O.
*See adv index at end of book*
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
**WATSON-STILLMAN CO.** (Hydraulic), 38 Church, New York
*See adv index at end of book*

## 767— Benches (Gas Retort)

See also Gas Works Apparatus & Construction

American Refractories Co. (Silica), Union Arcade bld, Pittsburgh, Pa.
Didier-March Co. (Horizontal, Inclined & Glover-West System of Vertical Retorts), Perth Amboy, N. J.
Gardner Jas. Jr. & Co. (Plain & Recuperative), Lockport Sta., Pa.
Gas Machinery Co. (Coal Gas Benches), 1900 Euclid av, Cleveland, O.
Improved Equipment Co. (Doherty Bench Fuel Economizer), 60 Wall, New York
Isbell-Porter Co., 46 Bridge, Newark, N. J
Laclede-Christy Clay Products Co. ("Laclede-Christy"), Railway Exch. bldg, St. Louis, Mo.
Missouri Fire Brick Co. (Inclined & Horizontal Benches), Boatmen's Bank bldg, St. Louis, Mo.
Parker-Russell Mining & Mfg. Co., Laclede Gas Light bldg, St. Louis, Mo.

## 768—Benches (Machinists' Work)

Brown & Sharpe Mfg. Co., Providence, R. I.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Manufacturing Equipment & Engineering Co. ("Meeco"), Framingham, Mass.
Motor Engineering Co., 1917 E 61st, Cleveland, O.
Vanderman Mfg. Co., Willimantic, Conn.
**Western Tool & Mfg. Co., Springfield, O.**

## 769-70—Benches (Manual Training)

Bemis A. L. ("Standard"), Worcester, Mass.
Christiansen C., 2219 W Grand av., Chicago, Ill.
**Economy Mfg. Co. ("Economy"), 508** Commerce, Phila., Pa.
**Grand Rapids Hand Screw Co., Grand** Rapids, Mich.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Price W. R. Inc., 127 Fifth av, New York
Richards-Wilcox Mfg. Co. ("Wilcox"), Aurora, Ill.

## 771— Benches (Molders')

Obermayer S. Co., 2563 W 18th, Chicago, Ill.
**WESTERN TOOL & MFG. CO.** ("Champion"), Springfield, O.

## 772—Benches (Movable & Stationary, Steel)

Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
Western Tool & Mfg. Co., Springfield, O.

## 773— Benches (Piano)

Art Novelty Co., Goshen, Ind.
Bohm Cabinet Co., 179 Magie, Rochester, N. Y.
Carrom Co. (The), Ludington, Mich.
Cook C. A. Co., Cambridge, Mass.
Grand Ledge Chair Co., Grand Ledge, Mich.
Grand Rapids Fancy Furniture Co., Grand Rapids, Mich.
Harrison B. J. Son Co., Winsted, Conn.
Holtzman Henry & Sons Co., Columbus, O.
Lamb Geo. L., Nappanee, Ind.
**Logansport Furniture Co., Logansport, Ind.**
Merriam A. Co., South Acton, Mass.
Michigan Chair Co., Grand Rapids, Mich.
**National Piano Bench Co., 1433 Carroll av,** Chicago, Ill.
**New York Piano Stool & Mfg. Co., E** Stroudsburg, Pa.
**Northwestern Cabinet Co., Burlington, Ia.**
Parker Chas. Co., Meriden, Conn.
**Steger & Sons Piano Mfg. Co., 238 S.** Wabash av, Chicago, Ill.
Tonk Mfg. Co. ("Tonk") 1912 Lewis av, Chicago, Ill.
**Udell-Predock Mfg. Co., 2315 N B'way,** St. Louis, Mo.

## 774-5-6—Benches (Portable)

**Bailey Fred T. & Co. (For Pipe Work),** North Scituate, Mass.
**Em-Em Selling Co. ("Perfect" Portable** Vise), 422 E 16th, New York
Henderson Elec. Co., Ampere, N. J.
Martin H. P. & Sons, Owensboro, Ky.
Standard Iron Works (Vise), 508 E 74th, New York

## Benches (Saw)

See Saw Benches or Tables

## Benches (Wire Drawing)

See Wire Drawing Machinery

## 777—Benders (Angle & Eye, Hand Power)

American Road Machinery Co. ("Pennock"), Kennett sq, Pa.
Champion Blower & Forge Co. ("Champion," For Bending Angles, Tees, Flats, etc), Lancaster, Pa.
Cleveland Punch & Shear Works Co., 3921 St. Clair av,, N E, Cleveland, Ohio
Hinman D. A. & Co. (Also Ring & Hinge), Sandwich, Ill.
Ryerson Joseph T. & Son, 910 Corn Exchange bldg, 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Wallace Supplies Mfg. Co. ("Wallace"), 412 Orleans, Chicago, Ill.

## 778— Benders (Conduit)

Austin M. B. & Co., 706 W Jackson bl., Chicago, Ill.
Bierdeman R. C. Co. ("Star"), 4621 N Clark, Chicago, Ill.
Commercial Switchboard Mfg. Co., Denver, Col.
Cox J. Fillmore & Co., Bayonne, N. J.
Economy Electrical Specialty Co., 2857 S Halsted, Chicago, Ill.
Henderson Elec. Co., Ampere, N. J.
Hub Elec. Co. ("Star"), 1819 Carroll av, Chicago, Ill.
Martin H. P. & Sons, Owensboro, Ky.
McGuire L. C., 414 37th, Brooklyn, N. Y.
Minneapolis Equipment Co., Minneapolis, Minn.
Rattan Mfg. Co., New Haven, Conn.
Rittenhouse A. E. Co. ("Rittenhouse"), Honeoye Falls, N. Y.
Roberts H. C. Elec. Supply Co., 11th & Race, Phila., Pa.
Skinner M. B. Co. ("Boss Hickey"), 562 W Washington, Chicago, Ill.
Steel City Electric Co. ("Fullman," Electric & Hand), 1207 Columbus av, Pittsburgh, Pa.
Thomas & Betts Co. ("Lakin-Hickey," "Standard"), 63 Vesey, New York
Vanderman Mfg. Co., Willimantic, Conn.

## 779— Benders (Hook & Eye)

Kidder J. F. Mfg. Co., Burlington, Vt.

## 780— Benders (Lead Pipe)

Buffum Tool Co. ("Swastika," Bending Springs), South Side, Louisiana, Mo.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
McCrea Jas. & Co. ("Rex"), 562 W Washington, Chicago, Ill.
Mark Mfg. Co., Evanston, Ill.
Martin H. P. & Sons, Owensboro, Ky.
McGuire L. C., 414 37th, Brooklyn, N. Y.
Raymond Mfg. Co. (Ltd.), Corry, Pa.
Standard Iron Wks., 508 E 74th, New York
Starbuck R. M. & Sons, Hartford, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Walworth Mfg. Co., 798 1st, S Boston, Mass.
Yonts C. H. & Co., Meadville, Pa.

## 781— Benders (Rail)

See also Rail Bending & Straightening Machines
Aldon Co. ("Jim Crow), 3338 W Ravenswood av, Chicago, Ill.
Buda Co. ("Buda," "Jim Crow" & Roller Rail Bender), Railway Exchange bldg, Chicago, Ill.
Cleveland Punch & Shear Works Co., 3921 St. Clair av,, N E, Cleveland, Ohio
Dudgeon Richard (Hydraulic), 24 Columbia, New York
**ELMES CHARLES F. ENGINEERING WORKS INC.,** cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fox Bros. & Co., 126 Lafayette, New York
Handlan-Buck Mfg. Co. ("Giant"), 210-14 N 3rd, St. Louis, Mo.
Hardsocg Mfg. Co. (Single & Double Acting), Ottumwa, Ia.
Hardsocg Martin Co. ("Imperial" for Mine Rails), 922 South av, Pittsburgh, Pa.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Industrial Supply & Equipment Co., 407 Sansom, Phila., Pa.
Irving Mfg. & Tool Co., 157 Chambers, New York
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Pettibone, Mulliken & Co. (Roller), 140 S Dearborn), Chicago, Ill.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co. ("Jim Crow," Double Acting, Roller, Eccentric, Ratchet, etc), 117 Water, Pittsburgh, Pa.
Q. & C. Co. ("Q. & C." "Samson," "Q. & C." Girder), 90 West, New York
Reading Specialties Co., Reading, Pa.
Sherburne & Co. ("Sherburne"), 53 Oliver, Boston, Mass.
Stine S. B. (Plain & Ratchet), Osceola Mills, Pa.
Track Specialties Co., 20 B'way, New York
Union Drop Forge Co. ("Jim Crow"), 358 W Grand av, Chicago, Ill.
Valley Forging Co., Verona, Pa.
Verona Tool Works ("Manning," Eccentric, etc), Oliver bldg, Pittsburgh, Pa., & Verona, Pa.
**WATSON-STILLMAN CO.** (Hydraulic), 38 Church, New York
*See adv index at end of book*
What Cheer Tool Co. ("Big Joe," "Little Joe"), What Cheer, Ia.
Zelnicker Walter A. Supply Co. ("Zelnicker") 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 782—Benders (Reinforcing Bar)

Chicago Builders Specialties Co. ("Acme"), 11 S La Salle, Chicago, Ill.
Concrete Steel Co., 42 B'way, New York
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hinman D. A. & Co., Sandwich, Ill.
Koehring Machine Co., Milwaukee, Wis.
McKenna Co. ("McKenna," "Reliable"), 1851 E 38th, Cleveland, O
Neevel Mfg. Co. ("U"), 1409 Kansas av, Kansas City, Mo.
Ransome Concrete Machinery Co., Dunellen, N. J.
Raymer Hardware Co., 58 E 5th, St. Paul, Minn.
Steel & Iron Products Co. ("Hanson" Improved "Ajax" Portable), 1911 Emerson av, Chicago, Ill.
Union Machine Co., 183 University av, St. Paul, Minn.
Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.
Waterloo Construction Co., Waterloo, Ia.

## Benders (Ring)

See Benders, Angle & Eye, Hand Power

## 783— Benders (Tire)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Buffalo Forge Co., Buffalo, N. Y.
Butts & Ordway Co. ("Boston"), 33 Purchase, Boston, Mass.
Champion Blower & Forge Co., Lancaster, Pa.
Concord Axle Co., Penacook, N. H.
Illinois Iron & Bolt Co. ("I. I. & B. Co." Plain & Roller Bearing), Carpentersville, Ill.
Indiana Foundry Co., Indiana, Pa.
Kane & Roach ("Monarch"), Syracuse, N. Y.
Potts H. Co., Lancaster, Pa.
Rockford Mfg. Co. ("Rockford"), Rockford, Ill.
San Francisco Enging Co., 322 6th, San Francisco, Cal.
Southern Skein & Foundry Co. (Common & Roller Bearing), Chattanooga, Tenn.
Williams White & Co. (Also Welders), Moline, Ill.

## 784— Bendings (Wood)

Delphos Bending Co. (Body), Delphos, O.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## Bends (Pipe)

See Pipe Bends & Coils

## 785— Bends (Return)

Crane Co. (Est 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Durion Castings Co. (Acid Proof), Dayton, O.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
**LUNKENHEIMER CO.** (Brass), Executive offices & factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
McRae & Roberts Co. (Brass), 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co."), Brandford, Conn.
Williams D. T. Valve Co., Cincinnati, O.

## 786— Bends (Water Closet)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bridgeport Brass Co., Bridgeport, Conn.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Compound Injector & Specialty Co. ("Dehn's"), 419 N Laramie av, Chicago, Ill.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Franklin Pipe & Foundry Co., 2438 S Paulina, Chicago, Ill.
Greenwood Mfg. Co. ("Boosey's"), 540 Greenwood, Detroit, Mich.
Ideal Mfg. Co. ("Ideal" Non Syphon), Franklin & Dubois, Detroit, Mich.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Miller Chas. A. Co., Sturgis, Mich.
Park & McKay ("Young"), 55 Bagley av, Detroit, Mich.
Rice Edw. J. & Son, 203 Main W, Rochester, N. Y.
Smith & Abbott Co., Portland, Me.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 787— *Benedict Nickel

**AMERICAN BRASS CO.** (Rods, Sheet Tubing & Wire), Waterbury, Conn.
*For branch offices see adv index at end of book*

## 788— Benzaldehyde

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
British - American Chemical, Corp., 109 Beekman, New York
Chemical Co. of America, Inc. ("F. S. C."), 28 Platt, New York
Commonwealth Chemical Corp., 15 Park Row, New York
Florasynth Laboratories, Inc., 15 Beekman, New York
Innis, Speiden & Co., Inc. (Imported), 46 Cliff, New York
*See adv index at end of book*
Ising C. E. Corp., 70 Warren, New York
McKesson & Robbins, 91 Fulton, New York
Miller & Moran, 154 Nassau, New York
Nat'l Aniline & Chemical Co., 21 Burling slip, New York
Rector Chemical Co., 2 Rector, New York
Semet-Solvay Co., Syracuse, N. Y.
Standard Chemical Co., Bayonne, N. J.
Van Dyke & Co., 6 Platt, New York
Williamsburg Chemical Co., 230 Morgan av, Brooklyn, N. Y.

## 788a— Benzidine

Butterworth-Jordon Corp. (Base & Sulphate), 61 B'way, New York
*See adv index at end of book*
Chemical Co. of America Inc. (Base & Sulphate), 28 Platt, New York
Montcalm Chemical Works (Base), 220 N Illinois, Indianapolis, Ind.

## 789— Benzine

Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Emery Mfg. Co., Bradford, Pa.

BENZINE—continued
Petrolia Refining Co., Petrolia, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Sun Company, Finance bldg, Phila., Pa.
Union Petroleum Co. (Deoderized), Widener bldg, Phila., Pa.

## 790— Benzine Substitute

Duryea Mfg. Co. ("Detergine"), Bayonne, N. J.

## 791— Benzoate of Soda

British - American Chemical, Corp., 109 Beekman, New York
Commonwealth Chemical Corp., 15 Park row, New York
Greeff W. & Co., 78 Front, New York
Chromos Chemical Co., Inc. (U. S. P.), 35 W 42d, New York
Greeff W. & Co., 78 Front, New York
Heyden Chemical Works, Garfield, N. J.
Lyon Julian W. (Imp.), 101 Beekman, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Semet-Solvay Co., Syracuse, N. Y.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 791a— Benzoates

Seydel Mfg. Co. (of Ammonia, of Beta-Nepthol, of Benzyl, of Ethyl, of Lithium, of Mercury, of Methyl), 88 Forrest, Jersey City, N. J.

## 791b— Benzol

Du Pont Chemical Works (90°), 120 B'way, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Jordan William E., Inc., 13 Cliff, New York
Montcalm Chemical Works (Para Nitro Chlor), 229 N Illinois, Indianapolis, Ind.
Western Aniline Products Co., Hammond, Ind.

## 791c—Benzol Recovery Plants (Constructors)

Koppers Co., Union Arcade, Pittsburgh, Pa.
Wilputte Coke Oven Corp., 469 5th av, New York

## 792— Benzol Refiners

Barrett Co., 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
Cabot Samuel, Inc., 141 Milk, Boston, Mass.
Cambria Steel Co., Widener bldg, Phila., Pa.
Hooker Electrochemical Co. (Monochdorbenzol), 40 Wall, New York
Klipstein A. & Co., 644 Greenwich, New York
National Aniline & Chemical Co., Inc ("C. P.-90 Per Cent. & Straw Colored"), 21 Burling slip, New York
Petroleum Products Co. 3917 Neville, Pittsburgh, Pa.
Semet-Solvay Co. (Water White for Gas Enriching Purposes), Syracuse, N. Y.
United Gas Improvement Co., Broad & Arch, Phila., Pa.

## 792a— Benzoyl Chloride

British - American Chemical, Corp., 109 Beekman, New York
Chemical Co. of Amer., Inc., 28 Platt, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Niagara Alkali Co., Niagara Falls, N. Y.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Van Dyk & Co., 6 Platt, New York

## 792b— Benzyl Acetate

Chiris, Antoine Co., 20 Platt, New York
Commonwealth Chemical Corp., 15 Park row, New York
Florasynth Laboratories, Inc., 15 Beekman, New York
Ising C. E. Corp., 116 W 39th, New York
Van Dyk & Co., 6 Platt, New York

## 792c— Benzyl Alcohol

Florasynth Laboratories, Inc., 15 Beekman, New York
Harmer Laboratories Co., 1704 Market, Phila., Pa.
Ising C. E. Corp., 116 W 39th, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Van Dyk & Co., 6 Platt, New York

## 792d— Benzyl Chloride

Aniline Dyes & Chemicals Co., 134 Cedar, New York
British - American Chemical Corp., 109 Beekman, New York
Chemical Co. of Amer., Inc., 28 Platt, New York
Miller & Moran, 154 Nassau, New York
Rector Chemical Co., Inc., 2 Rector, New York
Semet-Solvay Co., Syracuse, N. Y.
Standard Chemical Co., ft W 45th, Bayonne, N. J.
Van Dyk & Co., 6 Platt, New York

## 793—Berths & Bunks (Metallic)

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Foster Bros. Mfg. Co., Utica, N. Y.
Haggard & Marcusson Co. ("Tiger"), 1109 W 37th, Chicago, Ill.
Simmons Co., Kenosha, Wis.
Southern Rome Co. ("Romelink"), 623 W Pratt, Baltimore, Md.

## 793a— Beryllium

Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.

## 793b— Beryllium Nitrate

Foote Mineral Co., Inc., 107 N 19th, Phila., Pa.

## 793c— Beryllium Silicate

Foote Mineral Co., Inc., 107 N 19th, Phila., Pa.

## 794— Betanaphthol

Bischoff C. & Co. (Imp.), 451 Washington, New York
Calco Chemical Co., Bound Brook, N. J.
National Aniline & Chemical Co. Inc., 21 Burling slip, New York
Nitrated Chemicals Co. Inc., Lorain, O.
Organic Products Corp., Schenectady, N. Y.
Sherwin-Williams Co., Cleveland, O.
Sparks John C., 42 Warren, New York

## 794a—*Beta Naphthol Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 795— Bevels

Athol Machine Co. (Universal), Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co. (Ship Carpenters, etc), Pine Meadow, Conn.
Disston Henry & Sons, Tacony, Philadelphia, Pa.
Goodell Pratt Co. (Carpenter's Sliding T), Greenfield, Mass.
Hart, H. C. Mfg. Co. (All Steel Bevel & Square), Unionville, Conn.
S. & I. Co. (Sliding T Bevel & Square), Springfield, Mass.
Sawyer Tool Mfg. Co. (Combination), Ashburnham, Mass.
Southington Hardware Co., Southington, Conn.
Stanley Rule & Level Co., New Britain, Conn.
**STARRETT L. S. CO. THE** (Combination, Universal, etc.), Athol, Mass.
*See adv index at end of book*
Upson Nut Co. (Ship Carpenters', etc), Cleveland, O.
Williams William Jr. ("Reeves" Universal), New Britain, Conn.

## Bibbs

See Cocks & Bibbs

## 796—Bibs (Barbers' Rubber)

Davol Rubber Co., 69 Point, Providence, R. I.
Miller Rubber Co., Akron, O.
Tver Rubber Co., Andover, Mass.

## 797— Bi-Carbonate of Soda

See also Sodium, Bicarbonate)

American Chemical Co., 640 Carr, Cincinnati, O.
Breslauer A. (Industrial Chemicals), Am. Natl. Bk. bldg, San Francisco, Cal.
Church & Dwight Co., 27 Cedar, New York
Diamond Alkali Co., First Natl Bank bldg, Pittsburgh, Pa.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Highfield John W., 248 N 10th, Brooklyn, N. Y.
Mathieson Alkali Works ("Eagle" & "Thistle" Brand), 53 Canal, Providence, R. I.
Mechling Bros. Mfg. Co., Camden, N. J.
Michigan Alkali Co., Wyandotte, Mich.
National Electrolytic Co., Niagara Falls, N. Y.
Pennsylvania Salt Mfg. Co. ("Natrona"), Widener bldg, Phila., Pa.
Solvay Process Co., Syracuse, N. Y.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda John C. & Co. (Jobbers), 273 Greene, Brooklyn, N. Y.

## Bi-Carbonate of Tin

See Tin, Bi-Chloride

## 798— *Bicycle Frame Parts

New England Pressed Steel Co., Natich, Mass.
Standard Parts Co., Cleveland, O.

## 799— Bicycle Mfrs.

See also Motor Cycles

Arnold, Schwinn & Co., 1718 N Kildare av, Chicago, Ill.
Columbia Mfg. Co. (Cro-Bicycle), 116 E 3rd, Cincinnati, Ohio
Davis Sewing Machine Co. ("Dayton Yale," "National"), Dayton, O.
Emblem Mfg. Co., Angola, N. Y.
Excelsior Cycle Store, 5340 B'way, Chicago, Ill.
Fowler-Manson-Sherman Cycle Mfg. Co., 1447 Austin av, Chicago, Ill.
Gendron Wheel Co. ("Gendron"), Toledo, O.
Great Western Mfg. Co., La Porte, Ind.
Hendee Mfg. Co., Springfield, Mass.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
Johnson's Iver Arms & Cycle Works ("Iver Johnson"), Fitchburg, Mass.
Laycock T. B. Son & Co. (Juvenile), Indianapolis, Ind.
Colson Co., Elyria, O.
Mead Cycle Co., 33 N Canal, Chicago, Ill.
Miami Cycle & Mfg. Co. ("Racycle," "Hudson," "Flying Merkel," "Miami" power bicycles), Middletown, Ohio
Motor Car Supply Co. ("Unxld"), 1453 Michigan av, Chicago, Ill.
Pierce Cycle Co., 18 Hanover, Buffalo, N. Y.
Premier Cycle Wks., 33 N Canal, Chicago, Ill.
Reading Cycle Mfg. Co., Reading, Pa.
Rome Bicycle Mfg. Co., Rome, N. Y.
Snyder H. P. Mfg. Co., Little Falls, N. Y.
Strohm W. A. & Bro., 1612 W Lake, Chicago, Ill.
Thayer H. N. Co., Erie, Pa.
Toledo Metal Wheel Co., Toledo, O.
Westfield Mfg. Co., Westfield, Mass.

## 800—Bicycle Parts & Sundries

See also Bolts, Bicycles; also Chains, Bicycle; also Nuts, Bicycle; also Pumps, Bicycle; also Screws, Bicycle; also Springs, Bicycle; also Tubing, Bicycle

Beckley-Ralston Co., 1801 S Michigan av, Chicago, Ill.
Bevin Bros. Mfg. Co. (Toe Clips, Trouser Guards, etc), East Hampton, Conn.
Climax Mfg. Co. (Saddles, etc.), East Hampton, Conn.
Collmer Bros., South Bend, Ind.

Colson Co. (Bicycles & Juvenile Tricycles), Elyria, O.
Crosby Co. (Stamped Steel Fittings & Ball Cups), 183 Pratt, Buffalo, N. Y.
Forsyth Metal Goods Co. (Chain Guards, etc), E Aurora, N. Y.
Harris & Reed, 1500 W 15th, Chicago, Ill.
Hydraulic Pressed Steel Co. (Sprockets), 3152 E 61st, Cleveland, O.
K. & C. Mfg. Co. (Lock Joint Wood Rims), Henniker, N. H.
Kelly Handle Bar Dept. Am. Stove Co. (Handle Bars), 5017 Perkins av, N E, Cleveland, O.
Matthews H. A. Mfg. Co., Seymour, Conn.
Oakes Co. (Stamped Parts, Indianapolis, Ind.
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Parish & Bingham Co. (Sprockets), Madison av & W 106th, Cleveland O
Perry-Fay Mfg. Co. (Screw Machine Products), Elyria, O.
Standard Steel Tube Co., Toledo, O.
Tiley, Pratt Co. (Spokes, Nipples, etc.), Essex, Conn.
Torrington Co., The Standard Plant (Spokes & Nipples, Pedals & Toe Clips), Torrington, Conn.
Troxel Mfg. Co. (Saddles, Mud Guards), Elyria, Ohio
United States Automatic Co. (Screw Machine Products), Amherst, O.
Western Automatic Mach. Screw Co., Elyria, O.
Wilson L. Novelty Works, 222 S Clinton, Chicago, Ill.

## 800a— Bicycles (Juvenile)

American Nat'l Co., Toledo, O.

## 801— Bidets

Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
Haines, Jones & Cadbury Co. ("Vitreo"), 1136 Ridge av, Phila., Pa.
Hall Mfg. Co., Harrison, N. J.
Mott J. L. Iron Works ("Cascade," "Dunbar," "Duval," "Geyser"), Trenton, N. J.
Peck Bros. & Co., New Haven, Conn.
Sanitas Mfg. Co. ("Sanitas"), 105 Washington, Boston, Mass.

## 801a—Billet Rotating Mechanism

Brown Hoisting Machy. Co., 4403 St. Clair, N. E., Cleveland, O.
Johnston & Jennings Co., Addison & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*

## 802—Billets, Blooms & Slabs (Steel)

**See also Ingots, Steel**

Allegheny Forging Co. (Billets), Keennan bldg, Pittsburgh, Pa.
ALLOY STEEL PRODUCTS CORP., 19 W 44th, New York
*See adv index at end of book*
American Bridge Co. (Open Hearth Billets & Blooms), 30 Church, New York
American Rolling Mill Co. ("American Ingot Iron"), Middletown, O.
American Steel Co. (Jobbers, Blooms, Billets, etc), Park bldg, Pittsburgh, Pa.
AMERICAN STEEL & WIRE CO. (Bessemer, Billets, Blooms & Slabs), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
American Tube & Stamping Co. (Open Hearth Billets, Blooms & Slabs, Brand "Swedoh"), Bridgeport, Conn.
Andrews Steel Co. (Open Hearth Billets, Slabs & Forging Billets), Newport, Ky.
Ashland Iron & Mining Co., Ashland, Ky.
Ashland Steel Co. (Bessemer Steel Billets & Slabs), Ashland, Ky.
Atlantic Steel Co., (Basic Open Hearth Billets), Atlanta, Ga.
Bethlehem Steel Co. (Acid & Basic Open Hearth Billets), South Bethlehem, Pa.
Brier Hill Steel Co., Youngstown, O.
Cambria Steel Co. (Bessemer & Open Hearth, Widener bldg, Phila., Pa.
Carbon Steel Co. (Forging & Nickel Steel Billets, etc), ft 32d, Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth & Bessemer Billets, Blooms & Slabs; also Forging Billets & Blooms), Carnegie bldg, Pittsburgh, Pa.
Central Steel Co. ("Agathon," Bars, Billets & Slabs), Massillon, O.
Colorado Fuel & Iron Co. (Bessemer & Open Hearth Billets & Blooms), Denver, Colo.
Crucible Steel Co. of America (Open Hearth & Bessemer Billets), Oliver bldg, Pittsburgh, Pa.
Dominion Iron & Steel Co., Ltd. (Billets), 15 John, New York
Electric Steel & Forge Co., 660 Grant av, Cleveland, O.
*See adv index at end of book*
Electro Steel Co. (Acid & Basic Open Hearth Billets), Curry bldg, Pittsburgh, Pa.
FISHEL & MARKS CO., ft of Krakow av, Cleveland, O.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
Gulf States Steel Co. (Open Hearth Steel Billets, Blooms & Slabs), Birmingham, Ala.
Hammond Steel Co., Inc., Syracuse, N. Y.
HARRISBURG PIPE & PIPE BENDING CO. (Open Hearth Billets, Slabs & Strips), Herr nr 10th, Harrisburg, Pa.
Harron Spring Co., Milwaukee, Wis.
Hess Steel Corp. (Electric), Loney's la & Biddle, Baltimore, Md.
Horner W. S. & Co. (Also Iron), Oliver bldg, Pittsburgh, Pa.
Illinois Steel Co. (Bessemer & Open Hearth Billets, Blooms & Slabs), 208 S La Salle, Chicago, Ill.
Inland Steel Co. (Open Hearth Billets, Blooms & Slabs), 1st Nat Bank bldg, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
Jessop Wm. & Sons, Inc., 91 John, New York
Jones & Laughlin Steel Co. (Bessemer & Open Hearth Billets, Blooms, Slabs, etc), Ross, Pittsburgh, Pa.
Kokomo Steel & Wire Co. (Open Hearth), Kokomo, Ind.
La Belle Iron Works (Open Hearth Billets, Blooms, etc), Steubenville, O.
Lackawanna Steel Co. (Open Hearth & Bessemer Billets, Blooms & Slabs; also Forging Billets, Blooms & Slabs), Buffalo, N. Y.
Laclede Steel Co. (Blooms), Arcade bldg, St. Louis, Mo.
LEAVITT C. W. & CO. (Billets, etc.), 34 Church, New York
*See adv index at end of book*
Logan Iron & Steel Co. (Billets), St. Girard bldg, Philadelphia, Pa.
Lukens Steel Co. (Open Hearth Billets, Slabs, Forging Blanks, etc), Coatesville, Pa.
McInnes Charles E. & Co., Mariner & Mchts. bldg. Phila, Pa.
Mudge Edmund W. & Co. (Steel Bars), Frick bldg, Pittsburgh, Pa.
Pardee C. Works (Open Hearth Billets & Blooms), Perth Amboy, N. J.
Penn Seaboard Steel Corp. (Billets & Blooms), Franklin Bank bldg., Philadelphia, Pa.
*See adv index at end of book*

**Penn Seaboard Steel Corporation**
**Franklin Bank Bldg., Philadelphia, Pa.**
**Steel Castings**
**Ingots Billets Blooms**
**Admiral Anchors**

Pittsburgh Steel Co. (Open Hearth Billets & Blooms), 5th av & Grant, Pittsburgh, Pa.
Republic Iron & Steel Co. (Bessemer & Open Hearth Billets & Blooms), Youngstown, O.
*See branch offices alphabetical section*
Scott, Sugden & Lamont, Monadnock bldg, San Fransisco, Cal.
Sharon Steel Hoop Co. (Open Hearth Steel Billets), Sharon, Pa.
Snyder W. P. & Co. (Billet & Sheet Bar Dealers), Oliver bldg, Pittsburgh, Pa.
Taylor N. & G. Co., 300 Chestnut, Phila., Pa.
Tennessee Coal, Iron & R. R. Co. (Open Hearth Billets, Blooms & Slabs), Birmingham, Ala.
Tremont Nail Co. (Forging Billets), W Wareham, Mass.
UNITED ALLOY STEEL CORP. (Open Hearth & Elec. alloy steel bars, billets, blooms and slabs), Canton, O.
*See adv index at end of book*
Upson Nut Co. (Open Hearth Billets), Cleveland, O.
Vulcan Crucible Steel Co. (Open Hearth), Aliquippa, Pa.
Vulcan Mfg. Co., 1200 4th av, S Seattle, Wash.
Washburn Wire Co. (Billets Only), Phillipsdale, R. I.
Wheeling Steel & Iron Co. (Bessemer Billets, Blooms & Nail Slabs), Wheeling, W. Va.
Whitaker-Glessner Co. (Basic Open Hearth), Portsmouth, O.
WICKWIRE SPENCER STEEL CORP. (Steel Billets), Worcester, Mass.
*See adv index at end of book*
Wood Alan Iron & Steel Co. ("A.W." Basic Open Hearth Billets, Blooms & Slabs), Widener bldg, Phila., Pa.
Youngstown Sheet & Tube Co. (Bessemer & Open Hearth Billets, Blooms & Slabs), Youngstown, O

## 803—Billets, Bloom & Slabs (Vanadium Steel)

Allegheny Forging Co. (Billets), Keenan bldg, Pittsburgh, Pa.
Bethlehem Steel Co. (Billets), South Bethlehem, Pa.
Carbon Steel Co. (Billets & Slabs), ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co. (Blooms & Billets), Carnegie bldg., Pittsburgh, Pa.
Carpenter Steel Co. (Billets), Reading, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America (Billets), Oliver bldg., Pittsburgh, Pa.
Electric Steel & Forge Co., 660 Grant av-Cleveland, O. *See adv index at end of book*
Erie Forge Co. (Blooms & Billets & all other kinds of steel), Erie, Pa.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
Halcomb Steel Co. (Billets), Syracuse, N. Y. *See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
HARRISBURG PIPE & PIPE BENDING CO., Herr nr 10th, Pittsburgh, Pa.
*See adv index at end of book*
Iron Trade Products Co. (Billets), Farmers Bank bldg, Pittsburgh, Pa.
PENN SEABOARD STEEL CORP. (Billets & Blooms), Franklin Bank bldg, Philadelphia, Pa.
*See adv index at end of book*
UNITED ALLOY STEEL CORP. (Blooms, Billets & Slabs), Canton, O.
*See adv index at end of book*
Vanadium Alloys Steel Co. (Billets), Latrobe, Pa.
Vulcan Crucible Steel Co. (Billets), Aliquippa, Pa.

## 804— Billets (Chrome Steel)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.
Crucible Steel Co. of America, Oliver bldg., Pittsburgh, Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

## 805— Billets (Forging)

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
Andrews Steel Co. (Basic Open Hearth), Newport, Ky.
Ashland Iron & Mining Co., Ashland, Ky.
Brier Hill Steel Co., Youngstown, O.
Carbon Steel Co. (Open Hearth), ft. 32nd, Pittsburgh, Pa.
Central Steel Co. ("Agathon" Bars, Billets and Slabs), Massillon, O.
Gulf States Steel Co., Birmingham, Ala.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kokomo Steel & Wire Co. (Open Hearth), Kokomo, Ind.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

BILLETS (Forging)—continued
**Morgan Engineering Co., Alliance, O.**
*See adv index at end of book*
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, O.
*See adv index at end of book*
**Prosser Thos. D. Co. (Open Hearth), Wheeling, W. Va.**
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Standard Steel & Wire Co., 549 West Washington blvd, Chicago, Ill.
*See adv index at end of book*

## 806—Billets (Manganese Bronze)

American Manganese Bronze Co., 3501 Rhawn, Philadelphia, Pa.

## 807— Billets (Nickel Steel)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
**Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.**
**Central Steel Co. ("Agathon" Bars, Billets and Slabs), Massillon, O.**
**Crowley John A. Co., 120 Liberty, New York**
**Crucible Steel Co. of Amer., Oliver bldg., Pittsburgh, Pa.**
Electric Steel & Forge Co., 660 Grant av, Cleveland, O.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
**HARRISBURG PIPE & PIPE BENDING CO.,** Kerr nr 10th, Harrisburg, Pa.
*See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
United Alloy Steel Corp., Canton, O.
*See adv index at end of book*

## 807a— *Billets (Wood)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 808— Billets & Slabs (Iron)

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
*See adv index at end of book*
Whitaker-Glessner Co., Portsmouth, O.

## 809—Billiard Table Beds (Slate)

**American Slate Co., Easton, Pa.**
**BANGOR STRUCTURAL SLATE CO.,** Bangor, Pa.
*See adv index at end of book*
Durick, Keenan & Co., Fair Haven, Vt.
**Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.**
Hammann Slate Co., Bangor, Pa.
Keenan Structural Slate Co., Bangor, Pa.
O'Day Bros., Hydeville, Vt.
**Penrhyn Slate Co., Hydeville, Vt.**
Slatington Slate Co., Slatington, Pa.
**STRUCTURAL SLATE CO.,** Penn Argyle, Pa.

## 809a—*Billiard Table Cleaners (Power)

**Wisconsin Electric Co. ("Dumore" Electric), 1600 Junction av, Racine, Wis.**
*See adv index at end of book*

## 810— Billies (Policemen's)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**Buchheimer Geo. H. (Leather), 1004 Rutland av, Baltimore, Md.**
**Estes E. B. & Sons, 364 5th av, New York.** *See adv index at end of book*

## Binders

**See Harvesters, Various Kinds; also Subclassifications Following**

## Binders (Core)

**See Compounds, Core**

## 811— Binders (Corn)

**Acme Harvesting Machine Co. ("Acme"), Peoria, Ill.**
**Deere John Harvester Works (also Grain), East Moline, Ill.**
Emerson Brantingham Co. ("E. B. Osborne"), Rockford, Ill.
International Harvester Company of America (Inc.) (Deering—McCormick—Milwaukee — Osborne), Harvester bldg, Chicago, Ill.
Massey-Harris Harvester Co. ("Johnston"), Batavia, New York
**Moline Plow Co. ("Adriance"), Moline, Ill.**
**Wood Walter A. Mowing & R. Mach. Co. ("New Century"), Hoosick Falls, N. Y.**

## 812— Binders (Load)

**Advance Car Mover Co., Appleton, Wis.**
**American Logging Tool Co. ("Benjamin"), Evart, Mich.**
Goodyear A. B. ("Goodyear"), Bloomdale, O.
Norris Bros., Robinson, Ill.
Ransome Concrete Machinery Co. ("Oshkosh" Log or Load Binders), Dunellen, N. J.
Stacy Eugene C. ("Stacy" & "Jumbo" Log or Lumber), Tiffin, O.
*See adv index at end of book*

## 813— Binders (Loose Leaf)

Elbe File & Binder Co., 97 Reade, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
McBee Binder Co., Athens, O.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O. *See adv index at end of book*
Sheppard C. E. Co., Spring & Hudson, New York
Sieber Products Mfg. Co., 325 Locust, St. Louis, Mo.

## 813a— *Binders (Prong)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O.
*See adv index at end of book*

## 814— Binders (Rice)

International Harvester Company of America (Inc.), (Deering — McCormick), Harvester bldg, Chicago, Ill.

## 814a— *Binders (Ring)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O. *See adv index at end of book*

## 815— Binding (Carpet)

**Knapp Rubber Binding Co. (Rubber), 31 E 17th, New York**
**Painesville Metallic Binding Co., Painesville, O.**

## 815a—Binding (Oil Cloth, Etc.)

Gould's M. Son & Co. (Metallic), 115 Lafayette, Newark, N. J.
Judd H. L. Co. (Metallic), 87 Chambers, New York
Painesville Metallic Binding Co. (Metallic), Painesville, O.
Zenite Metal Co., Indianapolis, Ind.

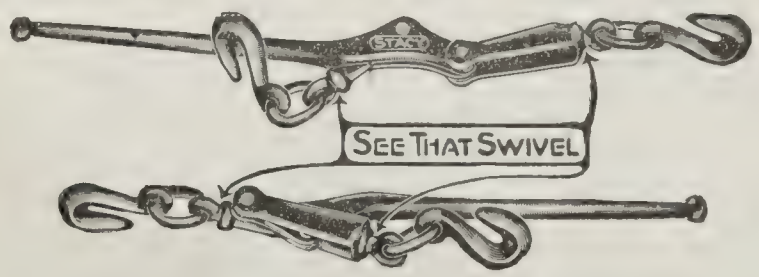
## 816—Binding & Gimps (Automobile & Furniture)

**Backstay Machine & Leather Co. (Imitation Leather Welts & Bindings), Union City, Ind.**
**Bailey G. W. Co. (Imitation Leather Gimps), Brockton, Mass.**
**Bancroft Textile Co. (Cotton Bindings), Worcester, Mass.**
**Bauer Bros. Mfg. Co. (Leather Bindings), Richmond & Carr, Cincinnati, Ohio**
**Brooks Geo. & Son Co. (Upholstery), 5423 Wyalusing, Phila., Pa.**
**Casey Mfg. Co. (Imitation Leather Bindings), 216 Monroe av, Detroit, Mich.**
**Cleveland Tanning Co. (Leather Welts, Gimps), Denison av & B. & O. R. R., Cleveland, O.**
**Eastlake Mfg. Co. (Cotton), Adams av & Leiper, Philadelphia, Pa.**
**Eifert Henry F. (Leather), 42 Union sq. New York**
**Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.**
**Horstmann Wm. H. Co. (Silk), 5th & Cherry, Phila., Pa.**
**Novelty Yarn Co., 2304 Waterloo, Phila., Pa.**
**Painesville Metallic Binding Co. (Metallic Binding & Stuff Plates), Painesville, O.**
**Stark Textile Co. (Silk Furniture Gimps), Valatie, N. Y.**
**Unger Wm. & Bro. (Silk), 496 Broadway, New York**
**United States Trimming Co. (Silk), 1410 N. 6th, Phila., Pa.**
**Wade Mfg. Co. (Imitation Leather Welts), Brockton, Mass.**
**Woodward & Cochey (Leather Gimps & Welting), Lynn, Mass.**
**Wright S. D. & Co. (Furniture), 1017 N Front, Phila., Pa.**

## 817— Binnacles

**Bliss Jno. & Co., 128 Front, New York**
Hadlock W. E. & Co., 152 State, Boston, Mass.
**Hand John E & Sons Co. (Steering Pedestal), 208 Chestnut, Phila., Pa.**


# Stacy Swivel Load Binder




From the illustration it can be seen that there is a swivel just below each hook on the Stacy Swivel Load Binder. The reason swivels are necessary is that when the chain is thrown over the load, it frequently becomes twisted. The swivel accommodates this and prevents breaking. The breaking strain of all parts of the tool is guaranteed greater than the bending strain of the handle. The combination will break any ordinary log chain.

Made in two sizes, Regular, and Jumbo.

**EUGENE C. STACY .·. Tiffin, Ohio**

Kelvin & Wilfred O. White Co., 112 State Boston, Mass.
Keuffel & Esser Co., Hoboken, N. J.
Merrill's R. Sons, 66 South, New York
Nautical Instruments Mfg. Co., Inc., 47 West, New York
Negus T. S. & J. D., 140 Water, New York
Riggs & Bro. (Compensating), 310 Market, Phila., Pa.
Ritchie E. S. & Sons, Brookline, Mass.
Sherman Eugene M. (Metal & Wood), Belleville, Wash.

## 818— Binoculars

American Thermo Ware Co. ("Autocrat"), 16 Warren, New York
Bausch & Lomb Optical Co., Rochester, N. Y.
Goerz C. P. American Optical Co. ("Triedder"), 317 E 34th, New York
Gundlach-Manhattan Optical Co., Rochester, N. Y.
Leitz Ernest, 30 E 18th, New York
Spencer Optical Co. (Imp "Audemair"), 8 Maiden lane, New York

## 819— Bins (Nail)

Eclipse Mfg. Co., Wellston, O.
Warren J. D. Mfg. Co., 159 N State Chicago, Ill.

## 819a— *Bins (Portable Stone)

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*

## 820— Bins (Steel)

Coal, Coke, Grain, Cement, Ore, Etc

American Culvert Co. ("American"), Albert Lea, Minn.
Beatrice Steel Tank Mfg. Co. ("Nu-way"), Beatrice, Neb.
Bushnell Tank Works (Grain), Bushnell, Ill.
Butler Mfg. Co. ("B.M.C." Portable, "Butler" ,"Combination," Grain), Kansas City, Mo.
Canton Art Metal Co., Canton, O.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Clark W. J. Co., Salem, Ohio
Coast Culvert & Flume Co., Portland (Kenton, Sta.), Ore.
*See adv index at end of book*
Columbian Steel Tank Co., New England bldg., Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
DOVER BOILER WORKS, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Duluth Corrugating & Roofing Co. (Corrugated Grain), Duluth, Minn.
Ervien Chas. W & Co., Venango & G, Phila., Pa.
Fairmont Mining Machy. Co., Fairmont, W. Va.
Fouts C. C. Co. ("Duro" Grain), 650 Woodlawn av, Middletown, O.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
Hauserman E. F. Co., Cleveland, O.
Heltzel Steel Form & Iron Co., Warren, O.
Iron Crib & Bin Co. ("The Wayne" Grain) Wooster, O.
JEFFREY MFG. CO. (Ashes, Coal, Coke & Ore, crushed stone), 961 N Fourth, Columbus, O.
*See adv index at end of book*
Kansas City Structural Steel Co., Kansas City, Mo.
Kelly Foundry & Machine Co. (Grain), Goshen, Ind.
Koven L. O. & Bro. (Grain, Coal, etc), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lakeside Bridge & Steel Co., No. Milwaukee, Wis. *See adv index at end of book*
LINK-BELT CO., 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio.
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
MARTIN STEEL PRODUCTS CO. ("Grain-Sayer"), Grain Bin), Mansfield, O.
McKee Arthur G. & Co. ("Baker" Suspension Storage), Cleveland, O.
McNamara Bros. Co., Westport Baltimore, Md.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
North Dakota Metal Culvert Co. (Grain, Portable & Sectional), Fargo, N. D.
Pennsylvania Engineering Works (Coke & Ore), New Castle, Pa.
Petroleum Iron Works Co., Sharon, Pa.
PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
Republic Structural Iron Wks. Co.
Rock Island Bridge & Iron Works, Rock Island, Ill.
SCAIFE WM. B. & SONS CO. (Coal, Coke, Ore, etc), First National Bank bldg., Pittsburgh, Pa., & 26 Cortlandt, New York. *See adv index at end of book*
Steelite Co., 1902 W. 77th, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Treadwell Construction Co (Cement, Ore, etc), Midland, Pa.
United Iron Works, Inc. (Coal, Ore, etc.), Kansas City, Mo.
Worthington Pump & Mach'y Corp. (Cement), 115 B'way, New York
*See adv index at end of book*

## 821— Bins (Steel Factory)

Allsteelequip Co., Aurora, Ill.
Berger Mfg. Co., Canton, O.
CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Columbia Metal Box Co., 226 E 144th, New York
Darby Edw. & Sons Co., 412 N. 18th, Phila., Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Jefferis Richard W. Co. ("Jefferis" Pressed Steel), Camden, N. J.
Lyon Metallic Mfg. Co., Aurora, Ill.
Manufacturing, Equipment & Eng. Co. ("Meeco"), Framingham, Mass.
PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Shawmut Iron & Wire Works ("Shawmut" System of Steel & Wire Grille Bins), Everett, Mass.
Steelite Co., 1902 W. 77th, Cleveland, O.
Terrell's Equipment Co., Grand Rapids, Mich.

## 821a— Bins (Stone)

American Road Machine Co., Com'rcl Tr. bldg., Phila., Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 822— Biscuits (Dog)

Austin Dog Bread & Animal Food Co., Chelsea, Mass.
Marx M F. Mfg. Co. ("Ideal"), Louisville, Ky.
Potter & Wrightington, Board of Trade bldg. Boston, Mass.
Spratts Patent (Ltd.), 14 Congress, Newark, N. J.

## 823— Bismark Brown

Dicks, David Co., Inc., Varick & N Moore, New York
Dye Products & Chemical Co. (Red Shade), 200 5th av, New York
Metz H. A. & Co., Inc., 122 Hudson, New York
Miller & Moran, 154 Nassau, New York
National Gum & Mica Co., 59th & 11th av, New York

## 824— Bismuth

American Smelting & Refining Co. (Producers), 120 B'way, New York
Cooper Chas. & Co., 194 Worth, New York
Drakenfeld B. F. & Co. (Oxide & Nitrates, Imp), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
McKesson & Robbins (Imp.), 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merchant & Evans Co. (Metal), Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
New York Quinine & Chemical Works, 135 William, New York
Pfizer Chas. & Co. (Subnitrate, Subgallate, Subcarbonate, etc), 81 Maiden la, New York
Powers-Weightman-Rosengarten Co., 916 Parish, Phila., Pa.
Trotter Nathan & Co. (Jobbers), 36 N Front, Phila., Pa.
United Smelting & Aluminum Co., Inc. (Jobbers), 183-189 Commerce, New Haven, Conn.
United States Metals Refining Co., 61 B'way, New York
U. S. Smelting Refining & Mining Co. (Producers), 55 Congress, Boston, Mass.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 824a— Bismuth Nitrate

Squibb E. R. & Sons, 78 Beekman, New York

## 824b— Bismuth Oxides

Mackay A. D., 130 Pearl, New York

## 824c— Bismuth Salts

Merck & Co., 45 Park pl, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Pfizer Chas. & Co., Inc., 81 Maiden la., New York

## 824d— Bismuth Subcardonate

Great American Chemical Products Co., 23 Liberty, New York

## 824e— Bismuth Subgallate

Great American Chemical Products Co., 23 Liberty, New York

## 824f— Bismuth Subnitrate

Great American Chemical Products Co., 23 Liberty, New York
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
Smith, Kline & French Co., Phila., Pa.
Merck & Co., 45 Park pl, New York
New York Quinine & Chemical Works, Ltd., 114 William, New York
Pfizer Chas. & Co., Inc., 81 Maiden la., New York
Squibb E. R. & Sons, 78 Beekman, New York

## 824g— Bismuth Subsalicylate

Great American Chemical Products Co., 23 Liberty, New York

## Bisulphate of Soda

See Sodium Bisulphate

## Bisulphide of Carbon

See Carbon Bi-Sulphide

## 825— Bisulphite of Soda

Avery Chemical Co., 88 Broad, Boston, Mass.
Butterworth-Judson Corp., 61 B'way, New York *See adv index at end of book*
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg. Cleveland, O.
Mechling Bros. Mfg. Co., Camden, N. J.
Merrimac Chemical Co. (Powdered & Liquid), 148 State, Boston, Mass.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Williamson D. D. & Co., 86 Fulton, New York *See adv index at end of book*

## 826— Bit Braces

Atkins E. C. & Co., Indianapolis, Ind.
Bagshaw & Field, 445 N 5th, Phila., Pa.
DETROIT TWIST DRILL CO., 555 Fort, Detroit, Mich.
*See adv index at end of book*
Dicke Tool Co. (For Electricians, Plumbers, etc), Downers Grove, Ill.

BIT BRACES—continued

Forest City Bit & Tool Co., Rockford, Ill.
Fray John S. Co. (Ratchet, Sleeve, Drill & Corner Braces), Bridgeport, Conn.
Goodell-Pratt Co. ("Goodell Tool Co." Ratchet, Sleeve & Corner), Greenfield, Mass.
Ives W. A. Mfg. Co. ("New Haven Novelty," "Ives," "Centennial," "Century"), Wallingford, Conn.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Lancaster Machine & Knife Works (Ratchet & Straight), Lancaster, N. Y.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. ("Barber" & "Barker" Ratchet Corner), 28 Warren, New York
**PECK, STOW & WILCOX CO.** ("Pexto"), Southington, Conn.
*See adv index at end of book*
Southington Mfg. Co., Southington, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Star Bit & Tool Co., Rockford, Ill.
Turner & Deegan ("Barbers" Grip Sleeve, Ball, Ratchet, etc), Bristol, Conn.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 827— Bit Stocks (Angular)

Forest City Bit & Tool Co., Rockford, Ill.
Fray John S. Co., Bridgeport, Conn.
Goodell-Pratt Co. ("Goodell Tool Co.," Universal), Greenfield, Mass.
Lancaster Machine & Knife Works, Lancaster, N. Y.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. ("Universal"), Mass.

## 828— Bits (Auger)

Connecticut Valley Mfg. Co. ("Wright's Jenning's"), Centerbrook, Conn.
Deschanel Engng. Corp., 90 West, New York
Drew C. & Co., Kingston, Mass.
Elmore Tool Mfg. Co., Hartford, Conn.
Forest City Bit & Tool Co., Rockford, Ill.
Greenlee Bros. & Co. ("Greenlee"), Rockford, Ill.
Hardisty & Co., Garland Linwood, Cincinnati, O.
Irwin Auger Bit Co., Wilmington, O.
Ives W. A. Mfg. Co. ("Mephisto," "Irwin Pattern," "Conn. Mfg. Co," "Utility"), Wallingford, Conn.
Jackson Mfg. Co. ("Irwin" Pattern), Jackson, O.
Jennings C. E. & Co. ("C. E. J. & Co.'s" "Noble's," "Excelsior," "Watrous," "Clark's," "Cook's," "Passaic"), 71 Murray, New York
Jennings-Russell Mfg. Co., Chester, Conn.
Lebanon Machine Co. ("Z") Lebanon, N. H.
Millers Falls Co., Millers Falls, Mass.
Moore Bros., Jamestown, N. Y.
New Haven Copper Co., Seymour, Conn.
**PECK, STOW & WILCOX CO.** ("Pexto"), Southington, Conn.
*See adv index at end of book*
Progressive Mfg. Co. ("Forstner"), Torrington, Conn.
Pugh Job T. ("Black Twist"), 31st & Ludlow, Phila., Pa.
Rockford Bit Co., Kokomo, Ind.
Slack S. Alex. (Hand Made), Oxford, Pa.
**SMITH & HEMENWAY CO. INC.** ("Red Devil"), 261 H B'way, New York, 130 H. Coit, Irvington, N. J.
*See adv index at end of book*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Snell Mfg. Co. ("Snell," "Bates," "King"), Fiskdale, Mass.
Star Bit & Tool Co., Rockport, Ill.
Swan Jas. Co. ("Cook's," "Irwin" & "Jennings" Patterns), Seymour, Conn.
Thayer Mfg. Co., Williamsburg, Mass.
**WHITMAN & BARNES MFG. CO.,** Akron, O.
*See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Woodworkers Tool Works, 222 S Jefferson, Chicago, Ill.

## 829— Bits (Auger, Special)

Adams A. L. ("Forstner Pat'n"), Bridgeport, Conn.

## Bits (Bell Hangers')

See Drills & Bits, Electricians'

## 830— Bits (Bridle)

See also Hardware Manufacturers, Saddlery
American Hame & Bit Co., 59 N. J. R. R. av, Newark, N. J.
American Mfg. Co. (Bits & Hdw. Specialties), Chattanooga, Tenn.
Bartley Bros. & Hall ("Eglentine" Imported), 50 Warren, New York.
Beery Jesse Co., Pleasant Hill, O.
Buermann August Mfg. Co., 220 Jeliff av, Newark, N. J.
Columbus-McKinnon Chain Co., Columbus, O.
*See adv index at end of book*
Elbel Co., Canton, O.
Empire Tire & Rubber Corp. (Rubber Covered), Trenton, N. J.
Fernald Mfg. Co. ("Success," "Triumph"), North East, Pa.
Frazer & Jones Co., Syracuse, N. Y.
Hills Edwin, Plainville, Conn.
Imperial Bit & Snap Co. ("Beery," "Imperial"), Racine, Wis.
Le Compte Mfg. Co., 44 Elm, Newark, N. J.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Rubber & Celluloid Products Co., (Hard Rubber Covered, etc.), 56 Ferry, Newark N. J.
Stalker Mfg. Co., 71 W B'way, New York
Upton & Gilman Machine Co. ("Huntoon," Safety), Lowell, Mass.
Van Arsdale Wm. ("Success"), Racine, Wis.

## 831— Bits (Core)

Am. Safety Lamp & Mine Supply Co., Scranton, Pa.

## Bits (Countersink)

See Countersinks

## Bits (Dowel)

See Bits, Machine, Wood

## Bits (Electricians')

See Drills & Bits, Electricians'

## 832— Bits (Expansive)

Brown R. H. & Co. ("Clark's"), New Haven, Conn.
Conn. Valley Mfg. Co. ("Clark"), Centerbrook, Conn.
Fray John S. Co., Bridgeport, Conn.
Ives W. A. Mfg. Co. ("Mephisto," "Clark Pattern"), Wallingford, Conn.
Jennings C. E. & Co. ("C. E. J. & Co's," "Steer's Patent," Clark's Pattern), 71 Murray, New York
Kilborn & Bishop Co. ("Lavigne" Patent), 194 Chapel New Haven, Conn.
*See adv index at end of book*
**PECK, STOW & WILCOX CO.** ("Pexto," "Samson" Patent), Southington, Conn.
*See adv index at end of book*
S. & I. Co., Springfield, Mass.
**SMITH & HEMENWAY CO. INC.** ("Red Devil"), 261 H. B'way, New York, 130 H. Coit, Irvington, N. J.
*See adv index at end of book*
Superior Mfg. Co. ("Clark"), Gloucester, Mass.
Swan James Co ("Clark's," "Swan's"), Seymour, Conn.
Yonts C. H. & Co., Meadville, Pa.

## 833— Bits (Gimlet)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Baker Cutlery & Hardware Co., 101 Duane, New York
Connecticut Valley Mfg. Co., Centerbrook, Conn.
Deuse J. S. (German, Double Cut Bits & Gimlets, Bell Hangers, etc), Chester, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co. ("Jennings'," "Clark's" & "Blake" Double Cut, German, etc), 71 Murray, New York
Mayhew H H. Co., Shelburne Falls, Mass.
Snell Mfg. Co., Fiskdale, Mass.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Swan Jas. Co. (German), Seymour, Conn.

## 834—Bits (Hollow Chisel & Router)

Forest City Bit & Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Pugh Job T., 31st & Ludlow, Phila., Pa.
Star Bit & Tool Co., Rockford, Ill.

## Bits (Horse)

See Bits, Bridle; also Hardware Manufacturers, Saddlery

## 835— Bits (Hub Boring)

**DETROIT TWIST DRILL CO.,** 555 Fort, Detroit, Mich.
*See adv index at end of book*
Forest City Bit & Tool Co., Rockford, Ill.
Irwin Auger Bit Co., Wilmington, O.
Pugh Job T., 31st & Ludlow, Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Star Bit & Tool Co., Rockford, Ill.

## 836—Bits (Machine, Mining)

Beall Bros., Alton, Ill.
Buettner-Shelburne Machine Co., Terre Haute, Ind.
Fulton Tool Works ("Fulton"), Canal, Fulton, O.
Hardsoeg Martin Co. (Tool Steel), 922 So av, N S, Pittsburgh, Pa.
Hughes Tool Co. (Rotary), Houston, Texas
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O.
*See adv index at end of book*
Leetonia Tool Co., Leetonia, O.
Link-Belt Co., 329 W 39th, Chicago, Ill. & Hunting Park av, & P & R Ry., Philadelphia, Pa.
*See adv index at end of book*
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Turner C. A., 3rd & Chauncery, Pittsburgh, Pa.
What Cheer Tool Co. (Machine Chain Cutter, Bits, etc), What Cheer, Ia.

## 837— Bits (Machine, Wood)

Cincinnati Tool Co. ("Hargrave"), Norwood, Cincinnati, O.
*See adv index at end of book*
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Connecticut Valley Mfg. Co., Centerbrook, Conn.
**DETROIT TWIST DRILL CO.** (Straight Shank, etc.), 555 Fort, Detroit, Mich.
*See adv index at end of book*
Ford Auger Bit Co., Holyoke, Mass.
Forest City Bit & Tool Co. ("Forest City," Wood Boring), Rockford, Ill.
Greenlee Bros. & Co., Rockford, Ill.
Hardisty & Co., Garland Linwood, Cincinnati, O.
Irwin Auger Bit Co., Wilmington, O.
Jackson Mfg. Co., Jackson, O.
Jennings Russell Mfg. Co., Chester, Conn.
Lincoln Twist Drill Co., Taunton, Mass.
Mayhew H. H. Co., Shelburne Falls, Mass.
New Process Twist Drill Co., Taunton, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Pugh Job T., 31st & Ludlow, Phila., Pa.
Rockford Bit Co., Kokomo, Ind.
Snell Mfg. Co., Fiskdale, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Star Bit & Tool Co. (Screw Shank), Rockford, Ill.
Swan Jas. Co. ("Jennings'," Pattern), Seymour, Conn.
Union Twist Drill Co. (Taper Length, "Morse" Taper Shanks, Straight "Prentice" Shanks), Athol, Mass.

Wood Morris & Son (Loose Centre), 5108 W Lake, Chicago, Ill.

## 837a— Bits (Mortising)

Clarkson Mfg. Co., Lancaster & Dallas, Baltimore, Md.
Grand Rapids Hardware Co. (Sash Pulley), Grand Rapids, Mich.

## 838— Bits (Pod)

Mayhew H. H. Co., Shelburne Falls, Mass.

## 839— Bits (Rail Drilling)

Buda Co., Railway Exch. bldg, Chicago, Ill.

## Bits (Reamer)

See Reamers, Bit Brace

## 840-1— Bits (Screw Driver)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brown R. H. & Co., New Haven, Conn.
Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cincinnati Tool Co., Norwood, Cincinnati, Ohio. *See adv index at end of book*
Conn. Valley Mfg. Co., Centerbrook, Conn.
Cronk & Carrier Mfg. Co., Elmira, N. Y. *See adv index at end of book*
Deuse J. S., Chester, Conn.
Ford Auger Bit Co. ("Ford"), Holyoke, Mass.
Fray John S. Co. ("Fray's" Hollow Handle Screw Driver Sets), Bridgeport, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Grammes L. F. & Sons (For Toy Tools), Allentown, Pa. *See adv index at end of book*
Irwin Auger Bit Co., Wilmington, O.
Jackson Mfg. Co., Jackson, O.
Jennings C. E. & Co. ("C. E. J. & Co.'s" "Hinsdale," "Blake"), 71 Murray, New York
Kraeuter & Co., 583 18th av, Newark, N. J.
Landers, Fray & Clark ("H. & B." Cast Steel), New Britain, Conn.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co., Millers Falls, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Mfg. Co., 2209 Av Santa Fe, Los Angeles, Cal.
Pugh Job T., 31st & Ludlow, Phila., Pa.
S. & I. Co. ("S. & I." Full Polished or Carbon Finished), Springfield, Mass.
Sawyer Tool Mfg. Co. ("Samson"), Ashburnham, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
**SMITH & HEMENWAY CO., INC.** ("Red Devil"), 261 H. B'way, New York, 130 H. Coit, Irvington, N. J. *See adv index at end of book*
Snell Mfg. Co., Fiskdale, Mass.
Stanley Rule & Level Co., New Britain, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Thayer Mfg. Co., Williamsburg, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
West Haven Mfg. Co. ("Handy" for Tap Wrenches or Bit Braces), West Haven, Conn.

## 842— Bits (Tapping)

Pugh John T., 31 & Ludlow, Phila., Pa.
Snell Mfg. Co., Fiskdale, Mass.
Swan James Co., Seymour, Conn.

## 843— Bits (Tong)

Hough Chas. N. Mfg. Co. ("Klein," "Lay," "Crumble," "Jumbo" Patterns), Franklin, Pa.

## 844— Bits (Tool Holder)

Atlas Engng. Co., Lincoln, N. J.
Grammes L. F. & Sons (Wood), Allentown, Pa. *See adv index at end of book*

## Bits (Wood Boring)

See Bits, Machine, Wood

## 844a— Bitts & Bollards

Am. Engng. Co. (Tawing Bitts), Aramingo & Cumberland, Phila., Pa.
Hyde Windless Co. (Bitts), Bath, Me.
Marine Mfg. & Supply Co. (Bollards), 158 South, New York
Thacher Propeller & Foundry Corp., Albany, N. Y.

## 845— Bitumen Importers

Lamson John S. & Bro., 347 Madison av, New York

## 846— *Blackboard Signs

Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*

## 847—Blackboard Surfacing Material

Acme White Lead & Color Works, St. Aubin & M C R R, Detroit, Mich.
American Soapstone Finish Co. ("Dodge"), Chester Depot, Vt.
Burdsal A. Co., Indianapolis, Ind.
Caxton School Supply Co., 560 W. Monroe, Chicago, Ill.
Devoe & Raynolds Co., Inc. ("Harvard"), 101 Fulton, New York *See adv index at end of book*
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Hammett J. L. Co., Kendall sq., Cambridge, Mass. *See adv index at end of book*
Lawrence W. W. & Co., Pittsburgh, Pa.
Lucas Jno. & Co., 322 Race, Phila., Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
N. Y. Silicate Book Slate Co., 20 Vesey, New York

## 848—Blackboards (Composition)

Atlas School Supply Co. ("Kraoplate"), 531 S. Peoria, Chicago, Ill.
Beckley Cardy Co. ("Beckley's" Artificial Slate), 312 W Randolph, Chicago, Ill
Caxton School Supply Co., 560 W Monroe, Chicago, Ill.
Hammett, J. L. Co. ("Hyloplate"), Kendall sq, Cambridge, Mass. *See adv index at end of book*

## 849— Blackboards (Silicate)

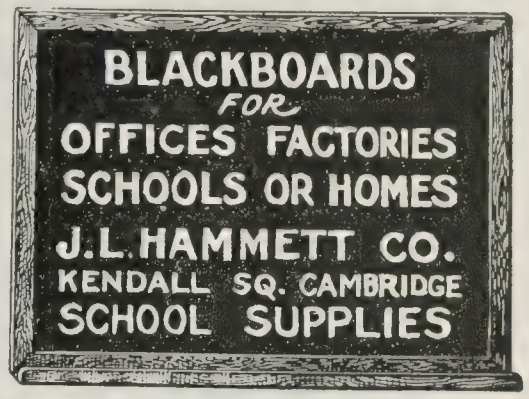
New York Silicate Book Slate Co., 24 Vesey, New York

## 850— Blackboards (Slate)

Albion Bangor Slate Co. Wind Gap, Pa.
Allen Blaisdell Co., 12 Pearl, Boston, Mass.
Bangor Slate Mining Co., Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa. *See adv index at end of book*
Blue Valley Slate Mfg. Co. (Ltd.), Slatington, Pa.
Carbon Slate Co. (Rough), Slatington, Pa.
Caxton School Supply Co. ("Lithoplate"), 560 W Monroe, Chicago, Ill.
Columbus Slate Co., New Hayden bldg, Columbus, O.
Crown Slate Co., Pen Argyl, Pa.
Excelsior Slate Co., Pen Argyl, Pa.
Genuine Washington Slate Co., Slatington, Pa.
Hahn Granville, Walnutport, Pa.
Hammann Slate Co., Bangor, Pa.

When writing to firms whose names appear in this book please mention HENDRICKS' COMMERCIAL REGISTER.

Hammett J. L. Co. ("Hyloplate"), Kendall sq, Cambridge, Mass. *See adv index at end of book*




Hower J. K., Danielsville, Pa.
International Slate Co., Slatington, Pa.
**KEENAN STRUCTURAL SLATE CO.**, Bangor, Pa.
**KNICKERBOCKER SLATE CORP.**, 153 E. 38th, New York
Lobb, Parry & Co., Danielsville, Pa.
Monarch Black Board Structural Slate Co., Slatington, Pa.
Monson Maine Slate Co., 112 Water, Boston, Mass.
National School Slate Co., Slatington, Pa.
**NATURAL SLATE BLACKBOARD CO.**, Pen Argyl, Pa.
New York Silicate Book Slate Co. ("Silicate"), 24 Vesey, New York
O'Halloran & Jacobs, Park bldg, Pittsburgh, Pa.
Penna. Blackboard Co., Slatington, Pa.
Penna. Slate Co., (Rough), Slatington, Pa.
Penna. Structural Slate Co., Drake bldg, Easton, Pa.
Phoenix Slate Co., Windgap, Pa.
Rowes E. W. A. Co., 345 S La Salle, Chicago, Ill.
Sieger & Son Mfg. Co., Slatington, Pa.
Slatington-Bangor Slate Syndicate, Slatington, Pa.
Slatington Slate Co., Slatington, Pa.
Structural Slate Co., Slatington, Pa.
Superior Slate Co., Inc. ("Bangor Black"), Allentown, Pa.
Tinsman M. L. & Co., Pen Argyl, Pa.
Unger John F. Slate Co., Slatington, Pa.
Woodley Slate Co., Bangor, Pa.

## 851— Black Hypo

Katzenbach & Bullock Co., 100 William, New York
Uhlich Paul & Co. (Imp), 11 Cliff, New York

## 852— Black Iron

Eastwood Chemical Co. (For Silk Dyeing), Belleville, N. J.

## 853— *Black Lead

See also Graphite Miners & Refiners

Chrystal Chas. B., 13 Cliff, New York *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 854-5—Black Plates for Tinning

American Sheet & Tin Plate Co., Frick bldg., Pittsburgh, Pa.
Canonsburg Steel & Iron Works, Canonsburg, Pa.
Carnahan Tin Plate & Sheet Co., Canton, Ohio
Follansbee Bros. Co. (Open Hearth), 3rd & Liberty, Pittsburgh, Pa.
Griffiths Charcoal Iron Mills, Washington, Pa.
Lalance & Grosjean Mfg. Co. (All Consumed by the Company), 299 Broadway, New York
McKeesport Tin Plate Co., McKeesport, Pa.
National Enameling & Stamping Co., 411 5th av, New York
Ohio Corrugating Co., Warren, O.
Standard Tin Plate Co., Canonsburg, Pa.
Taylor N. & G. Co., 300 Chestnut, Phila., Pa.

BLACK PLATES FOR TINNING—cont'ed
Washington Tin Plate Co., Washington, Pa.
Weirton Steel Co. (Also Long Sheets), Weirton, W. Va.
Wheeling Steel & Iron Co., Wheeling, W. Va.
Whitaker-Glessner Co., Wheeling, W. Va.

## Blacking (Harness Oil)

See Dressing, Carriage Top, Harness, etc

## 856— Blacking (Leather)

See also Shoe Blacking and Polishes
Eastwood Chemical Co. (For Tanneries), Belleville, N. J.
Miller Frank Co., 349 W 26th, New York

## Blacking (Shoe)

See Shoe Blacking & Polishes

## Blacking (Stove)

See Stove Polish

## Blacksmiths' Supplies

Consult Index of Contents for specific Article desired

## 857-8— Bladders (Rubber)

Goodrich B. F. Co. (Foot Ball, etc)., Akron, O.
Seamless Rubber Co. (Striking Bag), New Haven, Conn.
Tyer Rubber Co. (Foot Ball, Basket Ball, Striking Bag, etc), Andover, Mass.

## 859—Blades (Cloth Cutting Machine)

Emrich Phil (Circular, Rotary, Straight & Serrated Edge), 824 Main, Cincinnati, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 859a—*Blades (Fan, Electric Ceiling)

**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*
Watson Mfg. Co., Jamestown, N. Y.

## 860— Blades (Fan, Metal)

**BOSSERT CORP. (THE),** cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Bridgeport Brass Co., Bridgeport, Conn.
Oakes Co. (Electric), Indianapolis, Ind.
Torrington Mfg. Co., Torrington, Conn.

## 861— Blades (Fan, Wood)

Burlington Venetian Blind Co., Burlington, Vt.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Phoenix Sliding Blind Co., Phoenix, N. Y.
Requarth F. A. Co., Dayton, O.
Watson Mfg. Co., Jamestown, N. Y.

## 861a— Blades (Fountain)

**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*

## Blades (Hack Saw)

See Saw Blades & Frames, Hack

## 862— Blades (Lawn Mower)

Rossell Henry (Welded Iron & Steel), 24 S Jefferson, Chicago, Ill.

## 863— Blades (Metal Shear)

See also Knives, Machine
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Cleveland Steel Tool Co. (Hand & Power), 660 E. 82nd, Cleveland, O.
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Disston Henry & Sons, Tacony, Phila., Pa.
Dowd R. J., Knife Works, Beloit, Wis.
Hankey & Co., Rochdale, Mass.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Pittsburgh Knife & Forge Co. (Large Shears Only), Ridge & Chateau, Pittsburgh, Pa.
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 864— Blades (Rolling Coulter)

Galesburg Coulter Disc Co., Galesburg, Ill.

## 865— Blades (Safety Razor)

See also Razors Mfrs., Safety
Clark Blade & Razor Co., 119 Sussex av, Newark, N. J.
Crescent Mfg. Co., Fremont, Ohio.
Malkenthin Mfg. Co., Bloomfield, N. J.

## 865a—Blades (Semaphore Signal)

A. G A Railway Light & Signal Co, Elizabeth, N J.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Signal Accessories Corp. ("Saco"), Utica, N. Y.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

## 866—Blades (Shoe Cutters' Extension)

Hyde Mfg. Co., Southbridge, Mass.
Kramer H. & Co., 1324 W 21st, Chicago, Ill.
Richard Stephen Co., Southbridge, Mass.

## 867—Blades (Squaring Shear)

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
Emrich Phil., 824 Main, Cincinnati, O.

## 867a—Blades (Tongue Depressor)

**BOGERT & HOPPER, INC.,** 57 Barclay, New York
*See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 868— Blanc Fixe

Brewer & Co., Worcester, Mass.
Commercial Chemical Co. (Powdered Redried), Ludington bldg, Chicago, Ill.
Coulston J. W. & Co. (Imp), 80 Maiden la, New York
Durex Chemical Corp., 320 5th av, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Marden, Orth & Hastings Co., 136 Liberty, New York
National Aniline & Chemical Co. Inc., 21 Burling slip, New York
Providence Drysalters Co., East Greenwich, R. I.
Uhlich Paul & Co. (Imported), 11 Cliff, New York
Vanderbilt R. T. Co., 50 E 42d, New York
Waldo E. M. & F. (Selling Agts.), 11 B'way, New York
Whittaker, Clark & Daniels, Inc., 250 Front, New York
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 869— Blanchers (Peanut)

See also Peanut Machinery
Lambert Machine Co., Marshall, Mich.
McLean Jno., Lockport, N. Y.

## 870— Blankets (Cotton)

Beacon Mfg. Co., New Bedford, Mass.
Boston Duck Co., Bondsville, Mass.
Chicopee Mfg. Corp., Chicopee Falls, Mass.
Esmond Mills, Esmond, R. I.
Manetta Mills, Lando, S. C.
Nashua Mfg. Co., Nashua, N. H.
Old Colony Mfg. Co., Taunton, Mass.
Tremont & Suffolk Mills, Lowell, Mass.
Whittenton Mfg. Co., Taunton Mass.

## 871— Blankets (Felt)

Albany Felt Co., Albany, N. Y.
Best Edw. H. & Co. (Machy), 222 Purchase, Boston, Mass.
Huyck, F. C. & Sons ("Kehwood"), Albany, N. Y.
New England Fibre Blanket Co., Worcester, Mass.
Orr Felt & Blanket Co., Piqua, Ohio
Waterbury Felt Co., Skaneateles Falls, N. Y.

## 872—Blankets (Horse & Cattle)

Ashworth's J. E. Sons, West Brookville, N. Y.
Ayres Wm. & Sons, 3rd & Cumberland, Phila., Pa.
Beckman N. O. Co., Fulton rd, N W, Cleveland, O.
Burlington Blanket Co. ("Stay On"), Burlington, Wis.
Candor Blanket Co., Candor, N. Y.
Chase L. C. & Co. (Horse Clothing & Cow Covers), 89 Franklin, Boston, Mass.
*See adv index at end of book*
Clark Mfg. Co., West Newton, Mass.
Freeland Mfg. Co., Freeland & Walnut la, Phila., Pa.
Hubbell J. L. ("Navajo"), Ganado, Ariz.
Hygienic Blanket Mills, Hubbardston, Mass.
Kelly Thos. & Co. ("Burleigh"), 89 Chauncy, Boston, Mass.
Langstroth T. W., 77 Warren, New York
Mianus Mfg. Co. (Plush), Coscob, Conn.
Monadnock Blanket Mills, Marlboro, N. H.
Oregon City Mfg. Co., Oregon City, Ore.
Ray Fabric Mills, Franklin, Mass.
Riley Wm. B. & Co., 238 Chestnut, Phila., Pa.
Rockfall Woolen Co., Middletown, Conn.
Sanford Mills (Plush Horse), Sanford, Me.
Semple Mfg. Co., Inc. (Saddle), Louisville, Ky.
Springfield Blanket Co., Holyoke, Mass.
Stafford's Jas. Sons, Kram's av, Phila., Pa.
Troy Blanket Mills, Troy, N. H.
Valley Woolen Mills, Marlboro, N. H.
Wallace & Smith Co., La Porte, Ind.
Waterbury H. & Sons Co., Oriskany, N. Y.

## 873— Blankets (Mining)

Hygienic Blanket Mills, Hubbardston, Mass.

## 873a— Blankets (Paper)

Andrews R. P. Paper Co., 727 13th, N W, Washington, D. C.
Bond B. F. Paper Co., 33 S Hanover, Baltimore, Md.
Garrett Sylvester, S. & Co., 259 S 3rd, Phila., Pa.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.
Negargee Bros., Scranton, Pa.
Stone & Forsyth Co., 67 Kingston, Boston, Mass.

## 874—Blankets (Printers' & Lithographers')

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hodgman Rubber Co., 8 W. 40th, New York
Kush Gustave, 3 Park row, New York
New England Fibre Blanket Co. (Fibre, Rubber, Felt, Oiled, etc), Worcester, Mass.
Noone's Joseph Sons Co. (Woolen), Peterboro, N. H.
Revere Rubber Co., Chelsea, Mass.
United States Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## 875—Blankets (Rubber Hospital)

Athol Mfg. Co., Athol, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Hodgman Rubber Co., 8 W. 40th, New York
Tyer Rubber Co. ("Tyrian"), Andover, Mass.

## 876-7— Blankets (Woolen)

Alpena Woolen Mills, Alpena, Mich.
Alpine Woolen Mills, Mount Airy, N. C.
Amana Society, Amana, Ia.
American Kersey Co., Litchfield, Minn.
American Woolen Co., 245 State, Boston, Mass.
Apollo Woolen Mills (Bed), Apollo, Pa.
Barnesville Mfg. Co., Barnesville, W. Va.
Barron Woolen Mill Co., Barron, Wis.
Birdsall Bros. Co., Honesdale, Pa.
Blue J. J. & Son, Ettrick, Wis.
Bridgewater Mfg. Co., Bridgewater, Va.
Brooksville Woolen Mill, Brooksville, Me.
Brownsville Woolen Mills Co., Brownsville, Ore.
Brunger S. & Co., Sullivan, Ind.
Buell Mfg. Co. (Also Indian Robes), St. Joseph, Mo.
Burroughs & Taylor Co., Cave, Tenn.
Byfield Woolen Co. (Bed), Byfield, Mass.
California Woolen Mfg. Co., California, Mo.
Campbellsville Mfg. Co., Campbellsville, Ky.
Capps J. & Sons (Ltd.), (Indian Robes), Jacksonville, Ill.
Cedarburg Woolen Mills, Cedarburg, Wis.
Chatham Mfg. Co., Elkin, N. C.
Chippewa Falls Woolen Mills, Chippewa Falls, Wis.
Cleveland Woolen Mills Co., Dresden, O.
Columbia Mills, Lewiston, Me.
Cordaville Woolen Co. (Bed), Cordaville, Mass.
Covington Woolen Mills, Covington, O.
Craigsville Woolen Mfg. Co., Craigsville, Pa.
Dobson J. & J., Falls Schuylkill, Phila., Pa.
Dresden Woolen Mills, Dresden, O.
Ellsworth Woolen Mill, Ellsworth, Me.
Erskine Alex., 4th & Somerset, Phila., Pa.
Eugene Woolen Mill Co., Eugene, Ore.
Fairbault Woolen Mill Co., Fairbault, Minn.
Fields Mfg. Co., Mouth of Wilson, Va.
Freeland Mfg. Co., Freeland av & Walnut la, Phila., Pa.
Gibboney A. R. & Co. (Bed), Reedsville, Pa.
Goodwin C. E. & Sons, Cumberland Gap, Tenn.
Gordon, Wm. M. & Son, Galax, Va.
Graff P. & Co., Worthington, Pa.
Green River Woolen Mills, Phil., Ky.
Heathcote S. E. & Co., Glen Rock, Pa.
Heijkes E. K., York Springs, Pa.
Hey Richard & Son, Main blk, Walnut la, Phila., Pa.
Hinsdale Woolen Mills, Hinsdale, Mass.
Hollywood Mfg. Co., Hollywood, W. Va.
Houlton Woolen Mill, Houlton, Me.
Huyck F. C. & Sons ("Kenwood"), Albany, N. Y.
Hygienic Blanket Mills (Horse, Carriage, Mining, Institution, Saddle, etc), Hubbardston, Mass.
Imperial Woolen Co., Main & Rector, Phila., Pa.
Keller J. D., Houserville, Pa.
Kennedy D. & Sons, Monticello, Wis.
Kent Mfg. Co., Clifton Heights, Pa.
Kismensi Woolen Co., Stanton, Del.
Knight Woolen Mills, Provo, Utah
Kuenzel Mills Co. (Bed), New Bremen, Ohio
Lancaster A. & Co., Chester, N. J.
Langville Woolen Mills, Langville, Pa.
Lebanon Woolen Mills, Lebanon, Tenn.
Liebhardt William L. & Co., Middletown, Ind.
McAnespie J. & Co., Lancaster, O.
McGee Mfg. Co., Greenville, S. C.
Monadnock Blanket Mills (Horse & Camp Blankets), Marlboro, N. H.
Muncy Woolen Mills Co. (All Wool & Cotton Warp White & Colored Bed Blankets), Muncy, Pa.
Nashua Woolen Mills, Nashua, Ia.
Newichawanick Co., South Berwick, Me.
North Star Woolen Mill Co., 228 S 2d, Minneapolis, Minn.
Olney Woolen Mills, Cherry Valley, Mass.
Oregon City Mfg. Co. (Indian Robes), Oregon City, Ore.
Orr Felt & Blanket Co. (Bed), Piqua, O.
Patrick F. A. & Co., Duluth, Minn.
Pearce Mfg. Co. (Bed), Latrobe, Pa.
Pendleton Woolen Mills (Also Indian Robes), Pendleton, Ore.
Portland Woolen Mills, Portland, O.
Prairie du Chien Woolen Mill Co., Prairie du Chien, Wis.
Racine Woolen Mills, Racine, Wis.
St. Mary's Woolen Mfg. Co. (Fine Bed), St. Mary's, O.
Schaeffer J. M., Sandy Lake, Pa.
Schofield J. & Son, Madison, Ind.
Settle T. F., Scottsville, Ky.
Seymour Woolen Mills, Seymour, Ind.
Shuler & Benninghofen (All Wool & Cotton Warp, also Indian Robes), Hamilton, O.
Spangler W. H., Fitzpatrick, W. Va.
Springfield Blanket Co. (Bed & Horse), Holyoke, Mass.
Springfield Woolen Mills Co. (Bed), Springfield, Tenn.
Stafford's Jas. Sons (Bed & Horse), Kram's av, Phila., Pa.
Stickler J. M., Mauston, Wis.
Susquehanna Woolen Co. (Bed), New Cumberland, Pa.
Townsend J. E. (Estate of), (Bed), Milton Mills, N. H.
Wallace & Smith Co. (Bed & Horse), La Porte, Ind.
Webb T. A. W. & Son, Allensville, Pa.
West Bend Woolen Mills, West Bend, Wis.
Winthrop Mills Co. (Bed), Winthrop, Me.
Woodcock A. B., Waterside, Pa.

## 878-9—Blanks (Copper & Nickel Silver)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Scovill Mfg. Co. (To order only), Waterbury, Conn.
*See adv index at end of book*
Seymour Mfg. Co., Seymour, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 880— Blanks (Glass Cutters)

McKee Glass Co., Jeannette, Pa.
Rodefer Glass Co. The (Plano Convex & Double Convex Blanks, for Cutting Polishing), Bellaire, O.
*See adv index at end of book*

## 880a— *Blanks (Handle)

Anchor Saw Mills Co., Memphis, Tenn.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 881— Blanks (Key)

Bohannan Wilson, 760 Lexington av, Brooklyn, N. Y.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Graham Mfg. Co., Derby, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Huber Mfg. Co., 417 E. 93d, N. Y.
Penn Hardware Co., Reading, Pa.
Penn. Lock Works, 126 N 4th, Phila., Pa.
**SARGENT & GREENLEAF, INC.** Rochester, N. Y.
*See adv index at end of book*
Taylor & Boggis Foundry Co., Cleveland, O.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 882— Blanks (Lens)

Corning Glass Works ("Noviol" Optical, Coquille & Micoquille Clear & Colors), Corning, N. Y.

## 882a— *Blanks (Pinion)

Philadelphia Roll & Machine Co., 35th & Washington av, Phila., Pa.
Pollak Steel Co., Cincinnati, O.

## 883— Blanks (Thumb, Nut & Screw)

Billings & Spencer Co., Hartford, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## 884—Blast Furnace Top Filling Apparatus

Weimer Machine Works Co., Lebanon, Pa.

## 885—Blast Furnace & Steel Works Construction

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Casey-Hedges Co., Chattanooga, Tenn.
Coatesville Boiler Works, Coatesville, Pa.
Colorado Iron Works Co., Denver, Colo.
**DOVER BOILER WORKS** (Steel Plate Construction). Sales office, 40 Church, New York; Works: Dover, N. J.
*See adv index at end of book*
Hibben & Co., 9376 Ewing av, Chicago, Ill.
Johnson & Thompson, Birmingham, Ala.
Kennedy Julian, Bessemer bldg., Pittsburgh, Pa.
Kennedy Walter (Automatic Top Filter System for Blast Furnaces), Bessemer bldg, Pittsburgh, Pa.
Keystone Furnace Construction Co., Farmers Bank bldg, Pittsburgh, Pa.
Lackawanna Bridge Co., Buffalo, N. Y.
Lappan Jas. Mfg. Co., Pittsburgh, Pa.
McClure G. W. Son & Co., Bessemer bldg, Pittsburgh, Pa.
McKee Arthur G. & Co., Rockefeller bldg, Cleveland, O.
Mackintosh, Hemphill Co., ft. of 12th, Pittsburgh, Pa.
Meehan Boiler & Cons. Co., Lowellville, O.
**MOHR JNO. & SONS**, 349 W Illinois, Chicago, Ill.
**Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.**
Muskegon Boiler Works, Muskegon, Mich.
Pennsylvania Engineering Works (Engineers & Contractors), New Castle, Pa.
Petroleum Iron Works Co. (Blast Furnace), Sharon, Pa.
Pollock Wm. B. Co., Youngstown, O.
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
**RITER-CONLEY Co.** (Plate & Structural Work of Every Description, Design-Fabricate-Erect), Oliver bldg., Pittsburgh, Pa.
**SCAIFE WM. B. & SONS CO.** (Engineers & Contractors), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Smythe S. R. Co., House bldg, Pittsburgh, Pa.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Construction Co., Midland, Pa.
**Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.**
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Weimer Machine Works Co., Lebanon, Pa.

## 886-7— Blast Furnaces

### ALABAMA.

ANNISTON—Anniston Steel Co. (Low Woodstock Operating Corp. (Pig Iron)
BESSEMER—Tennessee Coal, Iron & R. R. Co. (See Birmingham)
BIRMINGHAM — Gulf States Steel Co. (Foundry, Forge, Basic)
**Republic Iron & Steel Co. (Bessemer, Mill & Foundry Pig Iron; Brands, "Pioneer")**
Sloss, Sheffield Steel & Iron Co. ("Birmingham," "North Birmingham" Pig Iron; brands, "Sheffield," "Lady Ensley," "Florence," "Sloss")
**Tennessee Coal, Iron & Railroad Co. (Foundry, Forge & Basic Pig Iron; Brands, "Alice," "De Bardeleben," "Eureka," "Ensley")**
ENSLEY—Tennessee Coal, Iron & Railroad Co. (See Birmingham, Ala.)
FLORENCE—Sloss, Sheffield Steel & Iron Co. (See Birmingham, Ala.)
HOLT—Central Iron & Coal Co. (Foundry Pig Iron; Brand, "Tuscaloosa"); Office: New York City
IRONATON—Alabama Co. (See Birmingham, Ala.)
OXMOOR—Tennessee Coal, Iron & Railroad Co. (See Birmingham, Ala.)
ROCK RUN—Bass Foundry & Machine Co. Charcoal, Car-Wheel & Strong Castings Pig Iron; Brand, "Rock-Run")
SHEFFIELD—Sheffield Iron Corp. (Foundry & Forge Pig Iron; Brand, "Sheffield")
Sloss, Sheffield Steel & Iron Co. (See Birmingham, Ala.)

ALABAMA—continued

**SHELBY**—Shelby Iron Co. (Foundry Pig Iron; Brand, "Imperial" & Charcoal Car Wheel Pig Iron; Brand, "Shelby")

**WOODWARD**—Woodward Iron Co. (Basic Foundry & Forge Pig Iron; Brand, "Woodward")

## COLORADO.

**DENVER**—Colorado Fuel & Iron Co. (Bessemer, Basic & Foundry Pig Iron), Furnaces, Pueblo, Colo.

## CONNECTICUT.

**EAST CANAAN**—Barnum, Richardson Co. (See Lime Rock)

**LIME ROCK**—Barnum, Richardson Co. Charcoal Car-Wheel, Malleable Castings, Ordnance & Machinery Pig Iron; Brand, "Salisbury")

## GEORGIA.

**CEDARTOWN**—Cedartown Iron Co. (Charcoal High Grade Car-Wheel Pig Iron; Brand, "Cherokee")

## ILLINOIS.

CHICAGO—Embree Iron Co. (Malleable, Foundry, Forge, Low Phosphorous & High-Manganese Pig Iron; Brand, "Embreville"), 332 S. Mich. av; Furnaces, Embreville, Tenn.

Federal Furnace Co. (Malleable Bessemer & Foundry Pig Iron; Brand, "Federal"), 108th & Calumet River

Illinois Steel Co. (Bessemer, Forge, Foundry, Basic & Malleable Bessemer Pig Iron; Brands, "Bay View," "Gertrude," "Milwaukee Scotch"), 208 S La Salle

Inland Steel Co. (Basic & Foundry Pig Iron; Brand, "Inland"), 1st Nat. Bank bldg. Furnaces, Indiana Harbor, Ind.

Iroquois Iron Co. (Foundry, Malleable & High-Silicon Soft Pig Iron; Brand, "Iroquois" for Strong Iron, "Sterling Scotch" for Soft Iron; "Peerless" for High-Silicon Soft Iron; "Malleable" for Malleable Iron), 3267 E 95th

Wisconsin Steel Co., 606 S Michigan (See International Harvester Co.)

JOLIET—Illinois Steel Co., 208 S La Salle. (See Chicago, Ill.)

## INDIANA.

**GARY**—Indiana Steel Co. (See Chicago, Ill.)

**INDIANA HARBOR**—Inland Steel Co. (See Chicago, Ill.)

## KENTUCKY.

**ASHLAND**—Ashland Iron & Mining Co. (Foundry & Forge Pig Iron; also Ferro-Silicon; Brands: "Boyd" Foundry & "Ashland" for Ferro-Silicon)

Norton Iron Works (Bessemer & Malleable Bessemer Pig Iron; Brand, "Norton")

**MIDDLESBORO**—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)

## MARYLAND.

**SPARROWS POINT**—Bethlehem Steel Co. (Bessemer Pig Iron & Spiegeleisen)

## MASSACHUSETTS.

**CHESHIRE**—Berkshire Iron Works (Charcoal Car-Wheel, Engine Cylinders, Chilled Rolls, Crusher Plates, etc; Brand, "Berkshire")

**RICHMOND FURNACE**—Richmond Iron Works (Charcoal Car-Wheel & Machinery Pig Iron; Brand, "Richmond")

**WORCESTER — WICKWIRE, SPENCER STEEL CORP.** (Pig Iron),
*See adv index at end of book*

## MICHIGAN.

CADILLAC—Mitchell-Diggins Iron Co. (Charcoal Malleable Car-Wheel & Strong Foundry Pig Iron; Brand, "Cadillac")

DETROIT—Charcoal Iron Co. of Am. Union Trust bldg

Detroit Iron & Steel Co. (Foundry & Malleable Pig Iron; Brand, "Zug") Zug Island Deeray

Humphreys E. C. Co. (Foundry Basic Bessemer, Malleable & Low Phosphorous Steel Pig Iron)

EAST JORDAN—East Jordan Furnace Co. (Charcoal Car-Wheel & Malleable Pig Iron)

GRAND RAPIDS—Antrim Iron Co. (Charcoal Car-Wheel & Malleable Pig Iron; Brand, "Antrim")

ISHPEMING—Cleveland-Cliffs Iron Co. (See Cleveland, O.)

MARQUETTE—Cleveland-Cliffs Iron Co. Pioneer Iron Co.

NEGAUNEE—Cleveland-Cliffs Iron Co. (See Cleveland, O.)

WELLS—Stephenson Charcoal Iron Co.

## MINNESOTA.

DULUTH—Zenith Furnace Co. (Bessemer, Malleable & Foundry Pig Iron; Brand, "Zenith"

## MISSOURI.

ST. LOUIS—Sligo Furnace Co. (Charcoal, Car-Wheel, Foundry & Malleable Pig Iron Brand, "Sligo"), Syndicate Trust bldg.

## NEW JERSEY.

OXFORD—Empire Steel & Iron Co. (See Catasauqua, Pa.)

STANHOPE—Singer Mfg. Co., Musconetcong Iron Works

WHARTON—Wharton Steel Co. (See Phila., Pa.)

## NEW YORK.

BUFFALO—Buffalo Union Furnace Co. (Bessemer, Malleable & Foundry Pig Iron; Brand, "Buffalo"), ft. Hamburg

Lackawanna Steel Co. (Bessemer Pig Iron; Brand, "Lackawanna")

Rogers-Brown Iron Co. (Foundry Pig Iron), Erie County Bank bldg.

Wickwire Spencer Steel Corporation (Chilled Cast, Basic, Malleable & Foundry Pig), River rd.
*See adv index at end of book*

CHARLOTTE—McKinney Steel Co. (Bessemer Malleable & Grey Forge Pig Iron & Foundry Pig for Stoves, Plates & General Foundry Use, Brand, "Genesee" Furnaces)

BROOKLYN—Improved Appliance Co., 413 Kent av

NEW YORK—Berkshire Iron Works, 120 B'way

Central Iron & Coal Co. (Foundry Pig Iron; Brand, "Tuscaloosa"), 90 West; Furnaces, Holt, Ala.

Colonial Iron Co. (Foundry & Forge Pig Iron), (Specialty & Strong Soft Fluid Fdry. Pig Iron Brands "Norway" Colonial), 149 B'way, New York

New Jersey Zinc Co. (Spiegeleisen from Zinc Oxide Residues), 106 Front; Furnaces, etc.: Palmerton, Pa.

NIAGARA FALLS—Pittsburgh Metallurgical Co. (Silvery Pig Iron)

NORTH TONAWANDA—Tonawanda Iron & Steel Co. (Foundry, Forge & Malleable Pig Iron; Brands, "Niagara," "Tonawanda Scotch")

PORT HENRY—Northern Iron Co. (Basic, Malleable, Foundry & Bessemer Pig Iron; Brand, "Essex")

STANDISH—Northern Iron Co.

## OHIO.

BELLAIRE—Carnegie Steel Co. (See Pittsburgh)

CANTON—United Furnace Co.

CLEVELAND—American Rolling Mill Co. (br. of Middletown, O.), Columbus, Ohio

American Steel & Wire Co. (Bessemer & Basic Pig Iron)
*See adv index at end of book*

Cleveland-Cliffs Iron Co. (Charcoal Car-Wheel, Foundry, Malleable & Low Phosphorous Pig Iron; Brand, "Pioneer" & "Marquette"), Rockefeller bldg. Furnaces: Marquette & Gladstone, Mich.

Cleveland Furnace Co. (Bessemer, Malleable Bessemer, Foundry & Basic Pig Iron; Brand, "Cleveland"), Clark av S W & Cuyahoga River

Corrigan, McKinney & Co.

McKinney Steel Co., Perry Payne bldg (Bessemer, Foundry, Forge & Basic Iron Brands; Furnaces: Josephine & Scottdale, Pa.)

OTIS STEEL CO. (Pig Iron), Leader-News bldg

Pioneer Iron Co.

Struthers Furnace Co. (Basic & Foundry Pig Iron; brand, "Struthers"), Citizens bldg. Furnaces: Struthers, O.

Toledo Furnace Co. (Bessemer, Basic, Malleable, & Foundry Pig Iron; Brand, "Toledo"). Furnaces: Toledo, O.

United Iron & Steel Co. (M. Hanna & Co.) (Bessemer & Foundry; Brands, "Fannie," "Fort Pitt"; Special Car-Wheel & Grey Forge Pig Iron; Brand, "Cherry Valley"). Furnaces Leotonia, O. & W. Middlesex, Pa.

**COLUMBUS**—Carnegie Steel Co. (See Pittsburgh, Pa.

**DOVER**—Penn Iron & Coal Co. (Strong Foundry, Bessemer & Basic Open Hearth Pig Iron; Brands, "Tuscorawas," "Black Band," "Dover")

**GIRARD**—Girard Iron Co. (Bessemer, Malleable Bessemer, Foundry & Forge Pig Iron; Brand, "Girard")

**HANGING ROCK**—Hanging Rock Iron Co. (Foundry & Malleable Pig Iron; Brand, "Hamilton")

**HUBBARD**—Andrews & Hitchcock Iron Co. (See Youngstown)

**IRONTON**—Belfont Iron Works Co. (Bessemer, Foundry & Forge Pig Iron; Brand, "Belfont")

Kelly Nail & Iron Co. (Bessemer Pig Iron; Brand, "Sarah")

Marting Iron & Steel Co. (Bessemer, Foundry & Malleable Pig Iron; Brands, "Nellie," "Bird" & "Lawrence")

Union Furnace Co.

**JACKSON**—Globe Iron Co. (Foundry Pig Iron; Brand, "Globe"; also Ferro-Silicon)

Jackson Iron & Steel Co. (High-Silicon Pig Iron; Brand, "Jisco")

Star Furnace Co. (Soft Foundry Pig Iron; Brand, "Star," also Ferro-Silicon)

Wellston Iron Furnace Co. ("Wellston" Bessemer Low Phosphorous Bessemer & Malleable Pig Iron)

**LEETONIA**—Salem Iron Co.

United Iron & Steel Co. (See Cleveland, O.)

**LOWELLVILLE**—Ohio Iron & Steel Co. (Bessemer, Forge & Foundry Pig Iron; Brands, "The Mary," "The Mary Ohio Scotch")

**MIDDLETOWN**—American Rolling Mill Co.

**MINGO JUNCTION**—Carnegie Steel Co. (See Pittsburgh, Pa.)

**NEW STRAITSVILLE**—Bessie Furnace Co. (See Pittsburgh, Pa.)

**NILES**—Carnegie Steel Co. (See Pittsburgh, Pa.)

**OAK HILL**—Jefferson Iron Co.

**OLIVE FURNACE**—McGugin R. H. (Charcoal Foundry Car-Wheel & Machinery Pig Iron; Brand, "Oline")

**STEUBENVILLE**—Carnegie Steel Co. (See Pittsburgh, Pa.)

La Belle Iron Works (Basic & Foundry Pig Iron)

Weirton Steel Co. (Pig Iron)

**STRUTHERS**—Struthers Furnace Co. (See Cleveland, O.)

**TOLEDO**—Toledo Furnace Co. (See Cleveland, Ohio)

**WELLSTON**—Wellston Iron Furnace Co. (Bessemer, Low Phosphorous Bessemer & Malleable Pig Iron; brand, "Wellston")

**Yorkville-Wheeling Steel & Iron Co. (See Wheeling, N. Va.)**

YOUNGSTOWN—Andrews & Hitchcock Iron Co. (Bessemer, Gray Forge, Malleable, Bessemer & Foundry Pig Iron; Brands, "Hubbard," "Hubbard Scotch" Soft Foundry & "Climax," Strong Foundry. Furnaces: Hubbard, O.
Brier Hill Steel Co. (Bessemer & Basic, Strong Foundry & Malleable Pig Iron; Brand, "'Brier Hill")
Carnegie Steel Co. (See Pittsburgh, Pa.
Republic Iron & Steel Co. (Bessemer, Mill & Foundry Pig Iron).
*For branch offices see Alphabetical Section*
Youngstown Sheet & Tube Co. (Bessemer & Basic Foundry, Malleable & Mill Pig Iron)
ZANESVILLE—Carnegie Steel Co. (See Pittsburgh, Pa.)

## OREGON.

OSWEGO—Oregon Iron & Steel Co. (See Portland)
PORTLAND—Oregon Iron & Steel Co., Concord bldg. Furnaces: Oswego

## PENNSYLVANIA.

ALBURTIS—Thomas Iron Co. (See Hokendauqua, Pa.)
BIRDSBORO—Brooke E. & G. Iron Co. (Basic Open Hearth Forged Pig Iron; Brand, "Brooke")
BRADDOCK—Carnegie Steel Co. (See Pittsburgh, Pa.)
CATASAUQUA—Crane Iron Works.
Empire Steel & Iron Co. (Foundry, Forge, Basic Bessemer & Low-Phosphorous Pig Iron; Brands, 'Crane," "Crane L P," "Crane Basic," "Henry Clay," "Macungie," "Oxford," "Topton")
CHESTER—Delaware River Steel Co. Forge, Foundry, Basic & Malleable; Brand, "Delaware")
CLAIRTON—Carnegie Steel Co. See Pittsburgh, Pa.)
CURTIN—Eagle Iron Co.
DONORA—Carnegie Steel Co. (See Pittsburgh, Pa. )
DUBOIS—Adrian Furnace Co. (Foundry Pig Iron; Brand. "Adrian")
DUQUESNE—Carnegie Steel Co. (See Pittsburgh, Pa.)
EARLSTON—(P. O. Everett, Pa.) Thropp Jos. E. (Forge, Basic & Soft & Strong Foundry & Mill Pig Iron; Brands, "Everett," "Saxton")
EMPORIUM—Emporium Iron Co.
ERIE—Perry Iron Co. (Foundry, Malleable & Bessemer Pig Iron; Brand, "Perry")
HARRISBURG—Central Iron & Steel Co. (Bessemer, Malleable Bessemer, Foundry, Mill & Basic Open Hearth Pig Iron; Brands, "Paxton," "Silver Spring")
HELLERTOWN—Thomas Iron Co. (See Hokendauqua, Pa.)
HOKENDAUQUA—Thomas Iron Co. (Foundry, Forge, Basic Open Hearth & Malleable Pig Iron; Brand "Thomas-Vanadium")
ISLAND PARK—Thomas Iron Co. (See Hokendauqua, Pa.)
JOHNSTOWN—Cambria Steel Co. (Bessemer & Basic Pig Iron), Main Office: Phila., Pa.
JOSEPHINE—McKinney Steel Co. (Bessemer, Foundry, Forge & Basic Pig Iron)
KITTANNING—Kittanning Iron & Steel Mfg. Co. (Grey Forge & Foundry Pig Iron; Brand. "Rebecca")
LEBANON—Lackawanna Iron & Steel Co. (See Buffalo, N. Y.)
McKEESPORT—National Tube Co. (See Pittsburgh, Pa.)
MACUNGIE—Empire Steel & Iron Co. (See Catasauqua, Pa.)
MAUCH CHUNK—Carbon Furnace Co., Ltd. ("Carbon" Foundry Iron, "Parry" Bessemer Iron & "Viking" Low Phosphorus Pig Iron), Furnaces, Parryville, Pa.
MILESBURG — McCoy - Linn Iron Co. (Charcoal Forge & Foundry Pig Iron; Brand, "Hecla")
NEW CASTLE—Carnegie Steel Co. (See Pittsburgh, Pa.)
PALMERTON—New Jersey Zinc Co. (of Pa.)
PARRYVILLE—Carbon Furnace Co., Ltd. (See Mauch Chunk, Pa.)
PHILADELPHIA—Cambria Steel Co., Widener bldg
Marshall F. W. & Co., Pennsylvania bldg, Phila, Pa
Pulaski Iron Co. (High-Grade Foundry Pig Iron; Brand, "Pulaski"), Real Estate Trust bldg. Furnaces: Pulaski City, Va.
Wharton Steel Co. (Basic, Neutral Foundry Malleable & Forge Pig Iron; Brand, "Wharton"), Morris bldg; Furnaces, Wharton, N. J.
Wood Allan Iron & Steel Co. (Neutral Mill, Foundry, Malleable Bessemer & Basic Open Hearth Pig Iron; Brand, "Swede"), Widener bldg; Furnaces, Swedeland, Pa.
PITTSBURGH—American Steel & Wire Co. (Bessemer & Basic Pig Iron), Frick bldg.
*See adv index at end of book*
Bessie Furnace Co., Oliver bldg.
Byera A. M. Co., 235 Water
*See adv index at end of book*
Carnegie Steel Co. (Bessemer, Basic, Forge Foundry, Mill & Low-Phosphorus Pig Iron), Carnegie bldg
Carter Iron Co. (Bessemer & Foundry Pig Iron), 307 5th av. Furnaces: Ivanhoe Furnace Co., Ivanhoe, Va.
Clinton Iron & Steel Co. (Bessemer, Forge & Special Car-Wheel Pig Iron, and an exceedingly Soft & Fluid Foundry Iron for Light & Fine Machinery Castings; Brands, "Hector," "Clinton"), W Carson
Iron Trade Products Co. (Basic, Bessemer, Charcoal, Malleable, Gray Forge, Foundry, Mottled White & Low Phosphorus Pig Iron), Farmers Bank bldg
McAleenan Bros. Co., 25th & A. V.. R. R.
Midland Steel Co. (Bessemer, Basic & Foundry Pig Iron), 313 6th av; Furnaces, Midland, Pa.
Miller W. R. Co. (& Steel Works Construction) House bldg.
Mudge Edmund W. & Co. (Bessemer Basic Foundry and Malleable Pig Iron; Brands, "Ella Foundry" & "Ella Malleable"), Frick bldg
Republic Iron & Steel Co. (Bessemer, Mill & Foundry Pig Iron; Brand, "Pioneer"), Oliver bldg.
Searing & Coultas, Farmers Bank bldg
Shenango Furnace Co. (Bessemer, Basic & Malleable Pig Iron; Brand, "Shenango"), Oliver bldg; Furnaces, Sharpsville, Pa.
Snyder W. P. & Co. (All Grades of Merchant Pig Iron), Oliver bldg
POTTSTOWN—Glasgow Iron Co.
POTTSVILLE—Eastern Steel Co. (Foundry, Neutral Mills, Bessemer, Malleable, Low Phosphorus & Basic Pig Iron; Brand, "Warwick"), Furnaces: Pottstown, Pa.
RANKIN—Carnegie Steel Co. (See Pittsburgh, Pa.)
RIDDLESBURG—Colonial Iron Co. (Foundry & Forge Pig Iron, Specialty a Strong Soft Fluid Foundry Pig Iron; Brands, "Norway," "Colonial")
ROBESONIA—Robesonia Iron Co. Ltd. (Low - Phosphorus Pig Iron; Brand, "Robesonia")
SAXTON—Thropp Jos. E. (See Earlston, Pa.)
SCOTTDALE—McKinney Steel Co. (Bessemer, Foundry, Forge & Basic Pig Iron)
SHARON—Carnegie Steel Co. (See Pittsburgh, Pa.)
Republic Iron & Steel Co. (See Youngstown, Ohio.)
Stewart Iron Co. Ltd. (Standard Bessemer, Low-Phosphorus, Foundry, Basic & Forge Pig Iron; Brand, "Stewart")
Shenango Furnace Co. (See Pittsburgh, Pa.)
Youngstown Sheet & Tube Co. (See Youngstown, O.)
SHERIDAN — Berkshire Iron Works (Foundry Pig Iron; Brand, "Sheridan"). (See New York City)
SOUTH BETHLEHEM—Bethlehem Steel Co. (Bessemer, Basic, Low-Phosphorous, All Consumed by the Company)
STEELTON—Pennsylvania Steel Co. (See Phila., Pa.)
SWEDELAND—Wood, Alan Iron & Steel Co. (See Phila., Pa.)
TEMPLE—Seaboard Steel & Manganese Corp.
Temple Iron Co. (See Scranton)
TOPTON—Empire Steel & Iron Co. (See Catasauqua, Pa.)
WEST MIDDLESEX—United Iron & Steel Co. (See Cleveland, O.)
WOODLAWN—Jones & Laughlin Steel Co.

## TENNESSEE.

ALLEN'S CREEK—Bon Air Coal & Iron Co.
BEAR SPRINGS—Dover Iron Co. (Charcoal, Low-Phosphorus Pig Iron, for Chilled Rolls, etc; Brand, "Dover")
BRISTOL—Chattanooga Electro Metals Co. (Bessemer & Silvery Pig Iron)
CHATTANOOGA — Citico Furnace Co. (Forge & Foundry Pig Iron; Brand, "Citico")
Roane Iron Co. (Foundry & Forge Pig Iron; Brand, "Rockwood"), Furnaces: Rockwood, Tenn.
CLARKSVILLE—Red River Iron Works. (Foundry, High-Silicon & Tennessee-Scotch Pig Iron; Brands, "Helen," "Red River")
CUMBERLAND FURNACE—Warner Iron Co.
EMBREEVILLE—Embree Iron Co. (See New York City)
GOODRICH—Standard Iron Co.
JOHNSON CITY—Cranberry Furnace Co. (Low - Phosphorus Pig Iron; Brand, "Cranberry")
LA FOLLETTE—La Follette Coal & Iron Co. (Foundry & Forge Pig Iron; Brand, "La Follette Foundry")
NAPIER—Napier Iron Works. (See Nashville, Tenn.)
NASHVILLE—Bon Air Coal & Iron Co.
Napier Iron Works (Foundry Pig Iron; Brand, "Napier"), Furnaces, Napier, Tenn.
Standard Iron Co. (Foundry & Soft Pig Iron; Brand, "Standard"), Furnaces: Goodrich, Tenn.
Warner Iron Co., Nashville, Tenn.
ROCKWOOD—Roane Iron Co. (See Chattanooga)
SOUTH PITTSBURGH—Tennessee Coal, Iron & R. R. Co. (See Birmingham, Ala.)

## VIRGINIA.

COVINGTON—Lowmoor Iron Co. (of Va.) (See Low Moor)
GLEN WILTON—Princess Iron Corp. Furnace Co. (Soft, Strong & Very Fluid Foundry Pig Iron; Brand, "Princess")
LOW MOOR—Low Moor Iron Co. (Foundry Pig Iron; Brands, "Low Moor," "Covington"), Furnaces: Covington, Va.
MAX MEADOWS—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
PULASKI—Pulaski Iron Co. (See Phila., Pa.)
Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
RADFORD—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
REED ISLAND—Virginia Iron, Coal & Coke Co. (See Roanoke, Va.)
ROANOKE—Virginia Iron, Coal & Coke Co. (Foundry, Forge, Basic & Cold Blast Charcoal, Pig Iron for Chilled Rolls, etc; Brands, "Bristol," "Crozer," "Dora," "Graham," "Max Meadows," "Radford," "Reed Island," "Watts")

## WEST VIRGINIA.

BENWOOD—National Tube Co. (See Pittsburgh, Pa.)
WEIRTON—Weirton Steel Co. (Pig Iron)
WHEELING—Wheeling Steel & Iron Co. (Bessemer Pig Iron; Brand, "Belmont," "Martin's Ferry," "Top Mill")

## WISCONSIN.

MAYVILLE—Northwestern Iron Co. (See Milwaukee, Wis.)

BLAST FURNACES—Wisconsin—cont.
MILWAUKEE—Illinois Steel Co. (See Chicago, Ill.)
Northwestern Iron Co. (Malleable Bessemer & Foundry Pig Iron; Brands, "Sidney," "Mayville," "Gertrude"), 1st National Bank bldg
Thomas Furnace Co. (Foundry, Malleable Bessemer & Standard Bessemer; Brand, "Thomas"), 740 Kinnickinnic av

## 887a— *Blasting (Electric)

Giant Powder Co. Con., San Francisco, Cal. *See adv index at end of book*

GIANT
BLAST BY ELECTRICITY
It is safer, quicker and surer. Giant Blasting Machines are made in a variety of sizes to suit any kind of blasting.
THE GIANT POWDER CO. CON.
San Francisco, Cal.

## 888—Blasting Fuse, Caps, Etc.

See also Batteries, Blasting

Aetna Explosives Co., Inc., 165 B'way, New York
Blight Sons & Co., Eagle River, Mich.
Ensign Bickford Co. (Safety Fuse), Simsbury, Conn.
Grasselli Powder Co., Guardian bldg, Cleveland, O.
**HERCULES POWDER CO.,** Wilmington, Del. *See adv index at end of book*

## 888a— Blasting Gelatin

**ATLAS POWDER CO.,** 140 N Broad, Phila., Pa. *See adv index at end of book*
**GIANT POWDER CO. CONS.,** San Francisco, Cal. *See adv index at end of book*

## 889— Blasting Powder

See also Dynamite, Blasting Supplies & Gunpowder

Atlas Powder Co., 140 N Broad, Phila., Pa. *See adv index at end of book*

ATLAS EXPLOSIVES
BLASTING POWDER
Atlas Blasting Powder is made in all standard granulations. Both "A" and "B" grades. Ample stocks maintained at important trade centers insure prompt deliveries.
ATLAS POWDER CO.
140 North Broad Street
Philadelphia, Pa.

Du Pont (E. I.) De Nemours & Co.
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*

GIANT
BLASTING POWDER
Made in "A" and "B" grades. All standard granulations. Prompt deliveries to any point in the western states.
THE GIANT POWDER CO. CON.
San Francisco, Cal.

McAhee G. R. Powder & Oil Co., Keenan bldg, Pittsburgh, Pa.
Warde S. & Sons Chemical Co., Albany, N. Y.

## 890-1— Blasting Supplies

See also Dynamite, Blasting Powder & Gunpowder.
**AETNA EXPLOSIVES CO., INC.,** 165 B'way, New York
**ATLAS POWDER CO.,** 140 N Broad, Phila., Pa. *See adv index at end of book*

ATLAS EXPLOSIVES
BLASTING SUPPLIES
of every description.
All Atlas Blasting Supplies embody the highest quality that manufacturing skill and long experience can produce. Write for full information.
ATLAS POWDER CO.
140 North Broad Street
Philadelphia, Pa.

Du Pont (E. I.) De Nemours & Co., Wilmington, Del.
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*

GIANT
BLASTING SUPPLIES
Every kind of accessory used in blasting—caps, fuse, blasting machines, etc., is supplied by Giant.
Look for the trade mark—Giant—it signifies quality.
THE GIANT POWDER CO. CON.
San Francisco, Cal.

**HERCULES POWDER CO.,** Wilmington, Del. *See adv index at end of book*

New York Blastings Supply Co., 11 B'way, New York

## 892— Bleach

Bush, Beach & Gent, Inc., 80 Maiden la., New York
Electro Bleaching Gas Co. (Liquid), 18 E. 41st, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Great Western Electro Chemical Co., Hoboken bldg, San Francisco, Cal.
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Hooker Electro Chemical Co., 40 Wall, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York
Katzenbach & Bullock Co., 110 William, New York
Klipstein A. & Co., 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Mathieson Alkali Works, 53 Canal, Providence, R. I.
Niagara Alkali Co., Niagara Falls, New York
Pennsylvania Salt Mfg. Co. (Liquid), Widener bldg, Phila., Pa.
Roessler & Hasslacher Chem. Co., 709 6th av, New York
Solvay Process Co., Syracuse, N. Y.

## Bleaching Clays

See Fullers Earth

## 893— Blenders (Grain)

Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Wolf Co.; Chambersburg, Pa.

## 894— Blind Tenons

Reading Hardware Co., Reading, Pa.

## 894a— *Blinds (Awning)

**WILSON J. G. CORP.,** 8 W 40th, New York *See adv index at end of book*

## 895— Blinds (Inside Folding)

Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Hyde-Murphy Co., Ridgway, Pa.
Morgan Co. (For the Trade Only), Oshkosh, Wis.
Paine Lumber Co., Ltd. (For the Trade Only), Oshkosh, Wis.
Radford Sash & Door Co. (For the Trade Only), 1827 Prairie av, Chicago, Ill.
Union Blind & Ladder Co. ("Hills"), Oakland, Cal.

## 896— Blinds (Inside Sliding)

Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Burlington Venetian Blind Co., Burlington, Vt.
Curtis, Towle & Paine Co. (Wholesale Mfrs), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs), Wausau, Wis.
Kane Blind & Screen Co., Kane, Pa.
Monroe Screen Blind & Partition Co., Lima, O.
Phoenix Sliding Blind Co., Phoenix, N. Y.

## 897— Blinds (Venetian)

Bostwick-Goodell Co. ("Victoria"), Norwalk, O.
Burlington Venetian Blind Co., Burlington, Vt.
Cahill Edward, 440 W. 42nd, New York
Chicago Millwork Supply Co. ("The Pease" Wholesale only), 1404 W 37th, Chicago, Ill.
Curtis, Towle & Paine Co. (Wholesale Mfrs.), Lincoln, Neb.
Dodge H. B. & Co. (Mfrs. Agents), 332 S Michigan av, Chicago, Ill.
Monroe Screen Blind & Partition Co., Lima, O.
New Jersey Blind & Screen Co., Paterson, N. J.
Swedish Venetian Blind Co. ("Ericsson's"), 47 W 34th, New York
**WILSON J. G. CORP.** Chief Office, 8 W 40th, New York. Mills & Factory: Norfolk, Va. *See adv index at end of book*

## 897a—Blocks (Acid Proof—for Tower Packing)

General Ceramics Co., 50 Church, New York
Knight, Maurice A., Akron, O.

## 898— *Blocks (All Kinds)

Estes E. B. & Sons (For All Purposes), 364 Fifth av, New York
*See adv index at end of book*

## 899—Blocks (Alphabet, Toy, Etc.)

Amerian Mfg. Concern (For Building), Falconer, N. Y.
Bogert & Hopper, Inc. (also Children's Buildings), 57 Barclay, New York
*See adv index at end of book*
Bradley Milton Co., Springfield, Mass.
Embossing Co., Albany, N. Y.
Estes E. B. & Sons (Children's Building), 364 5th av, New York
*See adv index at end of book*
McLoughlin Bros., 890 B'way, New York
Phillips Co., 354 4th av, New York

## 900— Blocks (Anvil)

Hooven, Owens, Rentschler Co. (Steel Reinforced, Semi-Steel), Hamilton, O.
*See adv index at end of book*

## 901— Blocks (Asbestos)

Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Johns-Manville H. W. Co. (Vitribestos"), Madison av & 41st, New York
Thermoid Rubber Co. (Brake & Clutch), Trenton, N. J.
*See adv index at end of book*

## 902—Blocks (Broom or Brush)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Curtis & Yale Co. (Wholesale Mfrs.), Wausaw, Wis.
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*
Holgate Bros. Co. (Whitewash Blocks) etc), Kane, Pa.
Mahle C. A. & Son, Ltd. (Bored & Shaped for Horse, Scrub, Stove, Shoe Brushes, etc, & for Street & Stable Push Brooms; also for Steel Wire Brushes, Brooms, etc), Corry, Pa.
Mason A. & Sons (Brush), Peru, N. Y.
Piqua Handle & Mfg. Co. (Floor Brush, Window Brush & Special), P O Box 307, Piqua, O.
Williams & Hurd (Hair, Paper, Window, Plater, Milk Can & Machine Brush), West Arlington, Vt.

## 902a— *Blocks (Bur, Dental)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 903— Blocks (Butchers')

See also Butchers' Machinery & Supplies
Appleton Wood Prods. Co. ("Appleton"), Appleton, Wis.
Bartlett O. L., Mound City, Ill.
Boos John & Co., Effingham, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Dumrauf & Wicke, 406 E 102d, New York
Fayetteville Mfg. Co., Fayetteville, N. Y.
Hill C. V. & Co., Trenton, N. J.
Michigan Maple Block Co. (Brush Blocks only, all kinds, Burned & Shaped), Petoskey, Mich.
Parkersburg Mill Co., Parkersburg, W. Va.
Peak Henry (For Street Sweeping Brooms, etc), Peabrook, N. Y.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Wolf, Sayer & Heller ("Best in the World"), Fulton & Peoria, Chicago, Ill.

## 903a— Blocks (Corn Crib)

Chattanooga Sewer Pipe Wks., Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Wks., Macomb, Ill.

## 904— Blocks (Cutting)

Continental Fibre Co. (Vulcanized Fibre), Newark, Del. *See adv index at end of book*
Curtin Hebert Co. (For Leather, Canvas & Silk Gloves), Gloversville, N. Y.
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
National Fibre & Insulation Co., Yorklyn, Del.
Reading Wood Pulley Co., Reading, Pa.
Spaulding J. & Sons Co., Inc. (Hard Fibre), P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*
Stiles H. A. & Co. ("Hasco Brand") (Wood), 93-97 Oliver, Boston, Mass.
*See adv index at end of book*

## 905— Blocks (Die)

Colonial Steel Co. (Forged Crucible & Open Hearth), 324 4th av, Pittsburgh, Pa.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Cyclops Steel Co. (Crucible), 120 B'way, New York
Electric Steel & Forge Co., 660 Grant av, Cleveland, O. *See adv index at end of book*
Erie Forge Co., Erie Pa.
Farrell-Cheek Steel Foundry Co., Sandusky, Ohio
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Hammond Steel Co., Inc. ("Hammond"), Syracuse, N. Y.
Heppenstall Forge & Knife Co. ("Hardtem" Forged), 47th & Halfield, Pittsburgh, Pa.
Irish Bros. & Co., Buckfield, Me.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Michigan Maple Block Co., Petoskey, Mich.
Midvale Steel & Ordnance Co. (Forged) Widener bldg, Phila., Pa.
National Forge & Tool Co. ("National A. B. & C."), Irvine, Pa.
Pennsylvania Forge Co., Jenks & Bath, Phila., Pa.
Philadelphia Roll & Machine Co., 25th & Washington av, Philadelphia, Pa.
Pollak Steel Co., Cincinnati, Ohio
Reading Wood Pulley Co. (Wood), Reading, Pa.
Stiles H. A. & Co. ("Hasco Brand") (Wood), 93-97 Oliver, Boston, Mass.
*See adv index at end of book*
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.

## 906—*Blocks (Differential Chain)

See also Hoists, Chain

Chisholm-Moore Mfg. Co. (Direct Differential), 5046 Lakeside, Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*

## 907— Blocks (Drill)

Athol Machine Co., Athol, Mass.
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

## 908—*Blocks (Electric Fixture)

**STILES H. A. & CO.,** 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 908a— *Blocks (Electrotype)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 909— Blocks (Fuse)

See also Cut-Outs, Incandescent

Bryant Electric Co., Bridgeport, Conn.
Condit Electrical Mfg. Co. ("Shawmut"), 1st & L, Boston, Mass.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Heinemann Geo. (For N. E. C. Fuses), 728 West Girard av, Phila., Pa.
Mutual Electric & Machine Co., 232 Fort W, Detroit, Mich.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Worcester Electric & Mfg. Co., Worcester, Mass.

## 909a— Blocks (Furnace)

Drake Non-Clinkering Furnace Block Co., 5 Beekman, New York

## 909b— Blocks (Grain Tanks)

Chattanooga Sewer Pipe Wks., Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Wks., Macomb, Ill.

## 910— Blocks (Hat)

Cuming M. A. & Co., 43 Bleecker, New York
Hubbell & Benninger, 324 Lafayette, New York

## 911—Blocks (Hollow Building)

Ada Clay Co., Ada, O.
Akron Vitrified Clay Mfg. Co., Akron, O.
American Brick & Tile Co., Mason City, Ia.
American Clay Products Co., 175 5th av, New York
American Sewer Pipe Co., Akron, O.
Armstrong Mfg. Co., Hicksville, Ohio
Athens Brick & Tile Co., Athens, Texas
Big Four Clay Co. (Blue Granite, Rock Face), Malvern, O.
Biglow E. Co., New London, O.
Boone Brick Tile & Paving Co., Boone, Ia.
Bradford Fireproofing Co., Bradford, Pa.
Brazil Hollow Brick & Tile Co., Brazil, Ind.
California Brick Co., Niles, Cal.
Campfield-Raggle Block Co. (For Silos, Raggle), Richmond, Ind.
Canton Tile Hollow Brick Co. (Plain & Rock-Faced), New Bethlehem, Pa.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Clay Product Co., 175 W Jackson blvd, Chicago, Ill.
Claymont Brick Wks., New Cumberland, W. Va.
Delta Cement Tile Co., Greenville, Miss.
Dennison Fire Proofing Co., Mason City, Iowa
Des Moines Clay Co., Des Moines, Ia.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Diefenbacher Philip & Son, Massillon, O.
Far West Clay Co., Tacoma, Wash.
Greer-Beatty Clay Co., Magnolia, O.
Grinnell Clay Products Co., Grinnell, Ia.
Gypsum Fireproofing Co. (Gypsum), 205 W Monroe, Chicago, Ill.
Louisville Brick & Tile Co., Louisville, O
Macomb Sewer Pipe Works, Macomb, Ill.
Markley Geo. J., Mineral City, O.
Mason City Brick & Tile Co., Mason City, Ia.
Mason City Clay Works, Mason City, Ia.
Mason City Sewer Pipe Co., Mason City, Ia.
Maurer Henry & Son, 420 E 23d, New York
Menefee Art Stone Co. (Cement), Fort Wayne, Ind.
Mount Cherry Coal Co., 8 E. Long, Columbus, O.
National Fire Proofing Co., Fulton bldg, Pittsburgh, Pa.
Ohio Clay Co., Guardian bldg, Cleveland, O.
Penna. Fireproofing Co., Erie, Pa.
Sacramento Building Block Co., Sacramento, Cal.
Sioux City Brick & Tile Co., Sioux City, Iowa
Troy Fireproofing Co., Troy, N. Y.
Truscon Steel Co. (Kahn System), Trussed Concrete bldg, Youngstown, O.
Union Sewer Pipe Co., McKeesport, Pa.
Vigo Am. Clay Co., Terre Haute, Ind.
Whittacre-Greer Fire Proofing Co., Waynesburg, Ohio

## 912— Blocks (Hollow Tile)

Bradford Fireproofing Co., Bradford, Pa.
Gladding McBean & Co., Crocker bldg, San Francisco, Ca.
Maurer Henry & Son, 420 E 23d, New York

## 913— *Blocks (Hook)

**MORGAN ENGINEERING CO.** (160 Tons, etc), Alliance, O.
*See adv index at end of book*

## 914—Blocks (Keyseating Rule)

Goodell-Pratt Co., Greenfield, Mass.

## 914a— *Blocks (Kindergarten)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*

## 915— Blocks (Last)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 916—Blocks (Lineman's Pulley)

Burr Mfg. Co. (Steel), Whitney Power blk, Cleveland O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Dicke Tool Co., Downers Grove, Ill.**
Eureka Tackle Block Co., 324 E 2nd, Cincinnati, Ohio
**Western Block Co., Lockport, N. Y.**

## 916a— *Blocks (Mangle Roller)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 916b— Blocks (Pillow)

See Also Power Transmitting Machinery
**BOND FOUNDRY & MACHINE CO.,** Manheim, Lancaster Co., Pa. *See adv index at end of book*
Golden's Foundry & Machine Co., Columbus, Ga.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Sprout, Waldron & Co., Muncy, Pa.

## 917—Blocks (Print, For Oil Cloth)

**Fuller's Geo. Sons, Hallowell, Me.**

## 918— Blocks (Raggle)

**Campfield Raggle Block Co., Richmond, Ind.**
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Dickey, W. S., Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
San Antonio Sewer Pipe Works, San Antonio, Texas

## 919— Blocks (Rail)

**Arthur W. H. ("Arthur" Hump), Stamford, Conn.**
**Mack Mfg. Co. ("Arthur" Hump), Lincoln bldg, Phila., Pa.**

## 919a—Blocks (Segement Sewer)

Chattanooga Sewer Pipe Wks. (for Sewers & Culverts, 30-inch to 108-inch), Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Macomb Sewer Pipe Wks. (for Sewers & Culverts, 30-in. to 108-in), Macomb,Ill.
San Antonio Sewer Pipe Wks. (for Sewers & Culverts, 30-in. to 108-in), Chattanooga, Tenn.
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.

## 919b— Blocks (Sewer Invert)

Dickey, W. S., Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Wks., Macomb, Ill.

## 920—Blocks (Sheave, for Derricks)

**Byers, Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.** *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
**FISCHER & HAYES ROPE & STEEL CO.,** 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Laughlin Thos. Co., Portland, Maine.

## 921— Blocks (Silo)

Chattanooga Sewer Pipe Wks., Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Finzer Bros. Clay Co., Sugarcreek, Ohio
Longmont Brick & Tile Co., Longmont, Colo.
Macomb Sewer Pipe Wks., Macomb, Ill.

## 922—*Blocks (Stiff Leg Head)

**Byers, Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.** *See adv index at end of book*

## 923— Blocks (Switch)

Armstrong Fred A., 348 Court, **Brooklyn,** N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*

## 924— Blocks (Tackle)

American Block & Mfg. Co., Warren, Ohio
**Boston & Lockport Block Co., 100 Condor, E. Boston, Mass.**
Burr Mfg. Co. (Self Locking), Whitney Power blk, Cleveland, O.
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O. *See adv index at end of book*
Channon Jas. H. Mfg. Co. ("Bullock" Steel or Wood), 227 W Erie, Chicago, Ill.
Cleveland Block Co. (Malleable Iron), 1173 W 11th, Cleveland, O.
Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Continental Bridge Co., 460 Monadnock block, Chicago, Ill.
**Cottingham John C. & Sons Co., 118 N Delaware av, Phila., Pa.**
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Edwards H. D. & Co. 16 Woodward av, Detroit, Mich.
Eureka Tackle Block Co., 324 E 2nd, Cincinnati, Ohio
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill. *See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Fulton Iron Works ("Sure-Grip"), 39 Franklin, Detroit, Mich.
Gloucester Block Co., Gloucester, Mass.
Hartz H. V. Co. (Steel), Cuyahoga & Mohoning av, Cleveland, O.
**Irving Mfg. & Tool Co., 157 Chambers, New York**
Lanrent Cherry Pulley Block Co., Trenton, N. J.
Lane Bros. Co. (Automatic Lock), Poughkeepsie, N. Y.
Laughlin Thos. Co., Portland, Me.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Lufkin C. F., Gloucester, Mass.
McMillan's W. H. Sons, 153 South, New York
Merriman Bros., 185 Amory, Boston, Mass.
National Equipment Co. (Heavy), 122 S Michigan, Chicago, Ill.
Neptune Hardware Mfg. Co., 29 Murray, New York
Parish Supply & Mfg. Co., 2868 Quinn, Chicago, Ill.
Patterson W. W. Co. ("Patterson"), Wood & Steel Hand Made, 54 Water, Pittsburgh, Pa.
Pendleton Co., 308 S Water, Providence, R. I.
**Pittsburgh Block & Mfg. Co. ("Ferguson," "Little Giant," "Big Giant," "Patterson," Wood or Steel Shell), 818 South av, Pittsburgh, Pa.**
Pull-U-Out Sales Co., 2018 Market St, Louis, Mo.
Sohl Fred E., Seattle, Wash.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Stowell Co. The, South Milwaukee, Wis.
Tarr Geo. C., Gloucester, Mass.
Terry & Tench Co., 70 E 45th, New York
Union Hardware Co., Torrington, Conn.
Union Mfg. & Lbr. Co., Northville, Mich.
Upson-Walton Co. of N. Y. The, 291 B'way, New York
Western Block Co. ("Anvil," Wood, Wrought Iron & Steel), Lockport, N. Y.
Wilson Machinery Co., 331 W 35th, Chicago, Ill. *See adv index at end of book*

## Blocks (Tank)

See Glass House Clay Supplies

## 924a— *Blocks (Tenpin)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 925— Blocks (Terminal)

Eureka Supply Co., Sewell, N. J.

## 925a— Blocks (V)

Up-to-Date Tool Co. (Hardened Ground), 81 Wareham, Boston, 18, Mass. *See adv index at end of book*

## 926— Blocks (Wire Rope)

See also Blocks, Tackle
American Hoist & Derrick Co., St. Paul, Minn.
**Byers, Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.** *See adv index at end of book*
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill. *See adv index at end of book*
Laughlin Thos. Co., Portland, Maine
National Equipment Co., 122 S Michigan, Chicago, Ill.
**ROEBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J. *See adv index at end of book*
**Upson-Walton Co. of N. Y. The, 291 B'way,** New York
**WILSON MACHINERY CO.,** 331 W 35th Chicago, Ill. *See adv index at end of book*

## 927— Blocks (Wood)

Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper, Inc. (All kinds for all Purposes), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS** (All Kinds, for All Purposes, Plain or Enameled, 364 5th av, New York *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Patterson W. W. Co. (Snatch-Hand Made) ("Patterson"), 54 Water, Pittsburgh, Pa.
**REPUBLIC CREOSOTING CO** (Creosoted) Indianapolis, Ind. *See adv index at end of book*
Stiles H. A. & Co. ("Hasco Brand"), 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 928— Blocks (Wrecking)

Clyde Iron Works Sales Co., Duluth, Minn *See adv index at end of book*
Channon Jas. H. Mfg. Co. (Heavy), 227 W Erie, Chicago, Ill.
Eureka Tackle Block Co., 324 E 2nd, Cincinnati, Ohio
**Laughlin Thos. Co. (With Lashing Shackles), Portland, Me.**
**Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.**
Western Block Co., Lockport, N. Y.

## 929— Blocks (Yacht)

Eureka Tackle Block Co., 324 E 2nd, Cincinnati, Ohio
Gloucester Block Co., Gloucester, Mass.
**Pendleton Co., 308 S Water, Providence, R. I.**
Laughlin Thos. Co., Portland, Me.
McMillan's W. H. Sons, 153 South, New York
Merriman Bros., 185 Amory, Jamaica Plains, Boston, Mass.
Western Block Co., Lockport, N. Y.
Wilcox, Crittenden & Co., Inc. (Brass), Middletown, Conn. *See adv index at end of book*

## 930— Blood (Dragons')

Hillier's R. Son Co. (Imp.), 100 William, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York

## 931— Blooms (Charcoal Iron)

Reeves Mfg. Co., Dover, O.

## 932— Blow-Case (Automatic)

Graver Corp., E. Chicago, Ind. *See adv index at end of book*
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 932a— Blow (Cases)

Bethlehem Fdry & Mach. Co., Bethlehem, Pa.

eneral Ceramics Co., 50 Church, New York
rauer Wm. Tank Works, E Chicago, Ill.
*See adv index at end of book*
night Maurice Co., Akron, O.
ehigh Foundry Co., Fullerton, Pa.

## 33—Blow-Guns (Machine Shop & Foundry)

unkenheimer Co., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
owell Wm. Co. ("Powell," for Cleaning Lathes. Work Benches, Taps, Dies, etc), Cincinnati, O.
*See adv index at end of book*
tar Brass Works ("Binks Clean-All"), 3114 Corroll av, Chicago, Ill.
*See adv index at end of book*

## 33a—Blow-Off Pipe Protection

cLeod & Henry Co. ("Steel Mixture"), 360 1st, Troy, N. Y.

## 34—Blow Pipes & Brazing Apparatus

llington & Curtis Mfg. Co., 53 W. Jackson blvd, Chicago, Ill.
merican Gas Furnace Co. (Gas), 24 John, New York
stle H. J. & Co., 118 Orange, Providence, R. I.
aylis Company, Bloomfield, N. J.
ernz Otto, 17-37 Ashland, Newark, N. J.
est Light Co., 477 Second, N E, Canton, Ohio.
oekel Wm. & Co., 518 Vine, Phila., Pa.
raun-Knecht-Heimann Co., 584 Mission, San Francisco, Cal.
raunsdorf-Mueller Co., Elizabeth, N. J.
uffalo Dental Mfg. Co., Buffalo, N. Y.
ayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
yclone Blow Pipe Co., 2552 W 21st, Chicago, Ill. *See adv index at end of book*
yar G. H. Co. (Acetylene), Cambridge, Mass.
conomy Welding Machine Co., Kansas City, Mo.
lectric Brazing & Welding Machine Co. (Electric), 30 Church, New York
ald, Emil Blow Pipe Wks., 84 Oak, Brooklyn, N. Y.
auck Mfg. Co., 101 11th, Brooklyn, N. Y.
nproved Appliance Co., 413 Kent av, Brooklyn, N. Y.
acLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
arshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
etal Specialties Mfg. Co. (Jewelers & Dentists), 338 N Kedzie av, Chicago, Ill.
lonarch Engng. & Mfg. Co., American bldg, Baltimore, Md.
ational Blow Pipe & Mfg. Co. (Blow Pipes), 738 Dryades, New Orleans, La.
ational Rubber & Specialty Co. (Brazing App. only), Cincinnati, O.
ewark Brass Works, 22 Lawrence, Newark, N. J.
ew Haven Sand Blast Co., New Haven, Conn.
kinner Bros. Mfg. Co., 10th & Tyler, St. Louis, Mo.
urner Brass Works (Gasolene & Kerosene), Sycamore, Ill.

## Blow Piping

See Exhausts & Blow Piping

## 35— Blower Mfrs.

See also Sub-classifications

bbe Engineering Co., 216-224 B'way, New York. *See adv index at end of book*
llington & Curtis Mfg. Co., Saginaw, Mich.
merican Blower Co. ("Sirocco" Multi-Blade), 1400 Russell, Detroit, Mich.
merican Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
merican Gas Furnace Co. (Positive Pressure), 24 John, New York
anister A. W. Co., 421 Dorchester av, S, Boston, Mass.
arnett John, Rochester, N. Y.
atterman Truit Co. ("Uniblade" Volume), 736 W Monroe, Chicago, Ill.
ayley Mfg. Co., Milwaukee, Wis.
Bicalky Fan Co., Buffalo, N. Y.
Buckeye Blower Co., 425 W Town, Columbus, Ohio
Buffalo Dental Mfg. Co. (foot), Buffalo, N. Y.
Buffalo Forge Co. (Hand & Power), Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief" Power), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Chase Turbine Mfg. Co. (Fan), Orange, Mass.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Connersville Blower Co. (Rotary), Connersville, Ind.
Coppus Engineering & Equipment Co. (Forced Draft), Worcester, Mass.
Cyclone Blow Pipe Co., 2542 W 21st, Chicago, Ill. *See adv index at end of book*

**CYCLONE BLOW PIPE CO.**
**2542-2552 W. 21st St. Chicago, Ill.**
**Back Pressure Proof Cyclone DUST COLLECTORS, Automatic FURNACE FEEDERS, Slow Speed Steel Plate EXHAUST FANS.**
**Exhaust and Blow Pipe Systems**

**DE LAVAL STEAM TURBINE CO.** (Turbine Driven), East Trenton, N. J.
*See adv index at end of book*
Dixie Mfg. Co., Russell & B. & O. R. R., Baltimore, Md.
Electric Blower Co. ("Marvel"), 352 Atlantic av, Boston, Mass.
Fuller Co., 1565 Detroit, Mich.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
Hackney Ventilating Co., Prior & University, St. Paul, Minn.
Hersh & Bros., Allentown, Pa.
*See adv index at end of book*
Hollingsworth Wm., 229 N Holliday, Baltimore, Md.
Hope Fan & Blower Co., Kansas City, Mo.
Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton, New York
Ill. Electric Ventilating Co., Crawford av, near Diversey blvd., Chicago, Ill.
Indiana Fan Co. ("Indiana"), 40 E South, Indianapolis, Ind.
Ingersoll-Rand Co. ("I-R" Turbo-Electric Motor & Steam Turbine Driven), 11 B'way, New York
*See adv index at end of book*
Kelker Blower Co., Buffalo, N. Y.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Leiman Bros., 81 Walker, New York
Mathis Bros. Co., S. W. cor. Archer av & Canal, Chicago, Ill.
Massachusetts Blower Co., Watertown, Mass.
Meadons Blower & Pipe Works, 25 Meserole av, Brooklyn, N. Y.
Monarch Engineering & Mfg. Co. (Low Pressure), American bldg, Baltimore, Md.
National-Standard Co. ("Dureco"), P O Box 211, Niles, Mich.
Nelson Blower & Furnace Co. ("Nelson" All Kinds), L & Elkins, Boston, Mass.
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
New York Blower Co., Archer av & Canal, Chicago, Ill.; Factory: Bucyrus, Ohio
Ohio Body Blower Co., 9300 Detroit av, Cleveland, Ohio
Pacific Blower & Heating Co., 224 5th, San Francisco, Cal.
Piqua Blower Co. ("Piqua" Rotary & Positive), Piqua, Ohio
Potts D. H. Co. (Fan), Lancaster, Pa.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Roots P. H. & F. M. Co. (Rotary), Connersville, Ind.
Rosewater Electric, 5516 Hinsman rd, Cleveland, O.
Roth Bros. & Co. ("Roth"), 1400 W Adams, Chicago, Ill.
Skinner Bros. Mfg. Co., 10th & Tyler, St. Louis, Mo.
Star Drilling Machine Co., Akron, O.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Stockwell & Co. (Small), 229 N. Holliday, Baltimore, Md.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Western Blower Co., 1800 9th av, S Seattle, Wash.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Wilbraham-Green Blower Co. ("Green" Rotary Pressure), Pottstown, Pa.
Wing L. J. Mfg. Co. ("Type R. E." Turbine Blower), 352 W 13th, New York

## 936— Blowers (Acid)

American Blower Co., 1400 Russell, Detroit, Mich.
Barney Ventilating Fan Works (A. B. Franklin, Prop), 19 Chardon, Boston, Mass.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe Pl, Brooklyn, N. Y.
*See adv index at end of book*
Duriron Castings Co., Dayton, O.
Guild & Garrison, 457 Kent av, Brooklyn, N. Y.
Invincible Blow Pipe Co., 2527 Homer, Chicago, Ill.
Titusville Iron Co., Titusville, Pa.

## 936a— *Blowers (Blast)

Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
MacLeod Co. (Sand), 2227 Bogen, Cincinnati, O. *See adv index at end of book*

## Blowers (Boiler Flue)

See Cleaners, Boiler Flue or Tube; Soot Blowers & Suckers

## 936b—*Blowers (Centrifugal Pumps)

**ABBE ENGINEERING CO.**, 216-224 B'way, New York
*See adv index at end of book*
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.

## 936c— Blowers (Cupola)

Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Spencer Turbine Co., Hartford, Conn.

## 937— Blowers (Cycloidal)

Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 938— Blowers (Cyclone)

Stauffer Geo. E. (Kitson's for Burning Culm & Slack), E Stroudsburg, Pa.

## 939— Blowers (Electric)

American Blower Co., 1400 Russell, Detroit, Mich.
**BEACH-RUSS CO.**, 216-224 B'way, New York. *See adv index at end of book*
Buffalo Forge Co. ("Buffalo"), Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Diehl Mfg. Co., Elizabeth, N. J.
Electric Blower Co. ("Marvel"), 352 Atlantic av, Boston, Mass.
Emerson Electric Mfg. Co., 2024 Washington av, St. Louis, Mo.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Garden City Fan Co., 332 S Mich av, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
**HERSH & BROS.**, Allentown, Pa.
*See adv index at end of book*
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Mass. Blower Co., Watertown, Mass.
N. Y. Blower Co., Archer av & Canal, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Rosewater Elec. Co., 5516 Hinsman rd, Cleveland, O.

BLOWERS (Electric)—continued
**Skinner Bros. Mfg. Co., 10th & Tyler, St. Louis, Mo.**
**Sprague Electric Works, 527 W 34th, New York**
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
**Superior Meter Co. (Also Silent & Anaesthetic), Bush, 254 36th, Brooklyn, N. Y.**
Tuerk Water Motor Co., 172 Washington, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*

## 939a— Blowers (Fan)

American Blower Co., 1400 Russell, Detroit, Mich.
Buffalo Forge Co., Buffalo, N. Y.
Clarage Fan Co., Worth & Porter, Kalamazoo, Mich.
De Laval Steam Turbine Co., E. Trenton, N. J. *See adv index at end of book*
Garden City Fan Co., 332 S. Michigan, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
Hersh & Bro., Allentown, Pa.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Massachusetts Blower Co., Watertown, Mass.
Mine & Smelter Supply Co., Denver, Colo.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
Stratton & Bragg Co., Petersburg, Va.
*See adv index at end of book*
Sturtevant Co., B. F., 15 Damon, Hyde Park, Boston, Mass.
*See adv index at end of book*
Western Blower Co., Seattle, Wash.

## 940— Blowers (Forge)

**American Blower Co. ("Sirocco" Multi-Blade), 1400 Russell, Detroit, Mich.**
Buffalo Forge Co. ("Buffalo"), Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Royal," "Western Chief"), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Champion Tool Co. ("20th Century"), Meadville, Pa.
Clarage Fan Co., North & Porter, Kalamazoo, Mich
Cleveland Steam Gauge Co. ("Watson"), 1108 W 9th, Cleveland, O.
Electric Blower Co. ("Marvel" Electric), 352 Atlantic av, Boston, Mass.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Gardner R. Electrical Works ("Greyhound" Electric), 1712 Columbus rd, Cleveland, O.
Green Fuel Economizer Co., Beacon, N. Y.
**HERSH BROS. CO.,** Allentown, Pa.
*See adv index at end of book*
Ill. Elec. Ventg. Co., Crawford av, near Diversey blvd, Chicago, Ill.
National-Standard Co. ("Dureco"), P O Box 211, Niles, Mich.
New York Blower Co., Archer av & Canal, Chicago, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Ryerson Jos. T. & Son, 916 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Star Drilling Machine Co., Akron, O.
Sturtevant B. F. Co. ("Sturtevant"), (Electric, etc.), 15 Damon, Hyde Park, Boston, Mass.

## 941— Blowers (Furnace)

Allington & Curtis Mfg. Co., 53 W. Jackson blvd, Chicago, Ill.
American Blower Co., 1400 Russell, Detroit, Mich.
Astle H. J. & Co., 118 Orange, Providence, R. I.
Beggs James & Co., 30 Warren, New York
*See adv index at end of book*
Donegan & Swift (Steam, "Swift's Economy"), 6 Murray, New York
**GODFREY-KEELER CO.** (Steam Spiral), 70 Warren, New York
*See adv index at end of book*
**HERSH & BROS.,** Allentown, Pa.
*See adv index at end of book*
**Ingersoll-Rand Co., 11 B'way, New York**
*See adv index at end of book*
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Leiman Bros., 81 Walker, New York
Monarch Engng. & Mfg Co., American bldg, Baltimore, Md.
Monarch Soot Remover Co., Inc., 261 Franklin, Boston, Mass.
National-Standard Co. ("Dureco"), P O Box 211, Niles, Mich.
New Haven Sand Blast Co., New Haven, Conn.
Rockwell W. S. Co. (Gas & Oil) 50 Church, New York. *See adv index at end of book*
Wing L. J. Mfg. Co., 352 W 13th, New York

## 941a—Blowers (Gas Producer)

See also Exhausters, Gas
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 942— Blowers (Hand)

See also Forges, Portable
**BEACH-RUSS CO.,** 216-224 B'way, New York. *See adv index at end of book*
Buffalo Forge Co., Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Royal"), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Roots P. H. & F. M. Co., Connersville, Ind.

## 943— Blowers (Motor Driven)

Batterman Truit Co. ("Uniblade"), 736 W Monroe, Chicago, Ill.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
**HERSH BROS. CO.,** Allentown, Pa.
*See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Symonds Blower Wks., 93 Center, Malden, Mass.

## 944— Blowers (Organ)

American Blower Co., 1400 Russell, Detroit, Mich.
Backus Water Motor Co., 172 Penna av, Newark, N. J.
Electric Blower Co. ("Marvel"), 352 Atlantic av, Boston, Mass.
Kinetic Engineering Co. (Electrically Driven), 60th & Baltimore av, Phila., Pa.
Spencer Turbine Co. ("Orgoblo" or "Spencer" Silent), 484 New Park av, Hartford, Conn.
Tuerk Water Motor Co., 172 Washington, Chicago, Ill.

## 945—Blowers (Positive Pressure)

Abbe Engng. Co., 216-224 B'way, New York
*See adv index at end of book*
Abbe Paul O., 30 Broad, New York
American Blower Co., 1400 Russell, Detroit, Mich.
**Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.**
**BEACH-RUSS CO.,** 216-224 B'way, New York. *See adv index at end of book*
Buffalo Forge Co., Buffalo, N. Y.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Connersville Blower Co. ("Victor"), Connersville, Ind.
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
Garden City Fan Co., 332 S. Michigan av, Chicago, Ill.
**Hollingsworth Wm., 229 N Holliday, Baltimore, Md.**
Hoysradt & Case, Kingston, N. Y.
Leiman Bros., 81 Walker, New York
Mine & Smelter Supply Co., Denver, Colo.
Monarch Engng. & Mfg. Co. ("Monarch" Low Pressure), American bldg, Baltimore, Md.
National-Standard Co. ("Dureco"), P. O. Box 211, Niles, Mich.
Nelson Blower & Furnace Co., L & Elkins, Boston, Mass.
Piqua Blower Co. ("Piqua"), Piqua, Ohio
Provost, Engng. Corp., 216-224 B'way, New York
Rockwell W. S. Co. (For Furnace), 50 Church, New York
*See adv index at end of book*
**Roots P. H. & F. M. Co., Connersville, Ind.**
Spencer Turbine Co., Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Timmis & Clissold, Bound Brook, N. J.
**U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.**
United States Gas Machine Co., Muskegon, Mich.
**Wilbraham-Green Blower Co. ("Green"), Pottstown, Pa.**
**Wing L. J. Mfg. Co. ("Hypress" from 1 to 10 lbs. pressure), 352 W 13th, New York**

## 946—Blowers (Powder, Rubber)

**Holland Instrument Corp., 2314 N 11th, Phila., Pa.**
**Tyer Rubber Co. ("Tyrian" red Bull Hard Rubber Tube), Andover, Mass.**

## Blowers (Pressure)

See Blowers, Positive Pressure; also Blowers, Rotary

## 947— Blowers (Rotary)

**BEACH-RUSS CO.,** 216-224 B'way, New York. *See adv index at end of book*
**Clarage Fan Co., North & Porter, Kalamazoo, Mich.**
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
**Garden City Fan Co., 332 S Michigan av, Chicago, Ill.**
**HERSH & BROS.,** Allentown, Pa.
*See adv index at end of book*
Leiman Bros., 81 Walker, New York
Massachusetts Blower Co., Watertown, Mass.
**National-Standard Co. ("Dureco"), P. O. Box 211, Niles, Mich.**
Piqua Blower Co. ("Piqua"), Piqua, Ohio
Reid J. A. Co., Inc. (The), 1500 Miami Chapel, Dayton, Ohio
**Rockwell W. S. Co., 50 Church, New York**
*See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
**Wilbraham-Green Blower Co. ("Green"), Pottstown, Pa.**

## Blowers (Soot)

See Cleaners, Boiler Flue & Tube; Soot Blowers & Suckers

## 948— Blowers (Steam Jet)

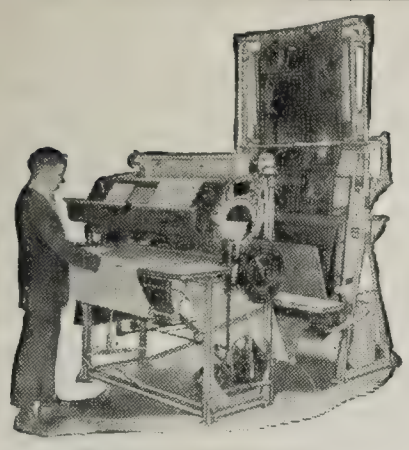
Am. Steam Conveyor Corp., 326 W Madison, Chicago, Ill.
**BEGGS JAMES & CO.,** 30 Warren, New York *See adv index at end of book*
Eynon-Evans Mfg. Co. (Steam Jet for Gas Producers, etc), 1519 Clearfield, Phila., Pa.
Gibson Iron Works Co., 168 1st, Jersey City, N. J.
McClave-Brooks Co. ("McClave's Argand" Steam Blower), Poplar st, Scranton, Pa.
Parson Mfg. Co., 35 Nassau, New York
Peerless Machinery Co., 166 N Clinton, Chicago, Ill. *See adv index at end of book*
Rollins Supply Co., 17 W Kinzie, Chicago, Ill
Schutte & Koerting Co (Steam Jet Blowers & Exhausters), 1251 N 12th, Phila., Pa.
Scranton Pump Co. ("Union"), Scranton, Pa.
Star Drilling Machine Co., Akron, O.
Thacher Propeller & Foundry Corp., Albany, N. Y.

## 949— Blowers (Turbine)

American Blower Co., 1400 Russell, Detroit, Mich.
Coppus Engineering & Equipment Co., Worcester, Mass.
**DE LAVAL STEAM TURBINE CO., East Trenton, N. J.** *See adv index at end of book*
General Electric Co. (Driven), Schenectady, N. Y. *See adv index at end of book*
Kerr Turbine Co., Wellsville, N. Y.
Ridgway Dynamo & Engine Co., Ridgway, Pa
Wing L. J. Mfg. Co. ("Wing"), 352 W 13th, New York

## 950— Blowers (Turbo)

Coe C. T. Co., 31 Clinton, Newark, N. J.
Connecticut Blower Co., Inc., 133 Sheldon Hartford, Conn.
Coppus Engineering & Equipment Co. ("Coppus"), Worcester, Mass.



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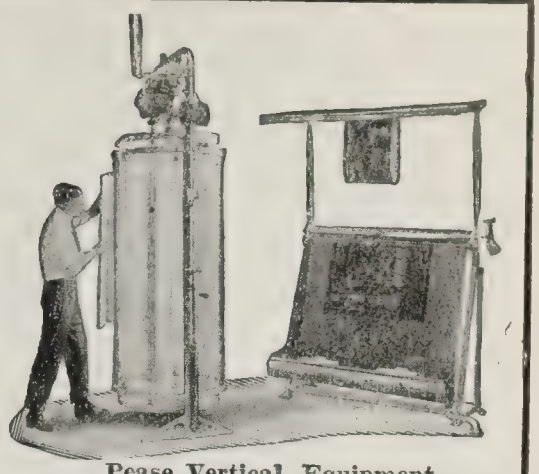

Pease Vertical Equipment


**INGERSOLL-RAND CO.,** 11 B'way, New York *See adv index at end of book*
Kerr Turbine Co. ("Economy"), Wellsville, N. Y.
Power Turbo Blower Co., 347 Madison av, New York
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.
Spencer Turbine Co., Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant" Undergrate), 15 Damon, Hyde Park, Boston, Mass.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

### 951—*Blowers (Vacuum Cleaning)

**BEACH-RUSS CO.,** 216-224 B'way, New York. *See adv index at end of book*
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*

### 952—Blowers & Exhausters (Electric)

American Blower Co., 1400 Russell, Detroit, Mich.
Batterman Truit Co. ("Uniblade" Pulley Driver Blowers), 736 W Monroe, Chicago, Ill.
Buffalo Forge Co. (Pulley Drive), Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Electric Blower Co. ("Marvel" Electric), 352 Atlantic av, Boston, Mass.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Green Fuel Economizer Co., Beacon, N. Y.
**HERSH & BROS.,** Allentown, Pa.
*See adv index at end of book*
Kelker Blower Co., Inc., 2383 Fillmore av, Buffalo, N. Y.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Massachusetts Blower Co., Watertown, Mass.
Mechanical Appliance Co., Milwaukee, Wis.
N. Y. Blower Co., Archer av & Canal, Chicago, Ill.
Peerless Machinery Co., 166 N Clinton, Chicago, Ill. *See adv index at end of book*
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Skinner Bros. Mfg. Co., 10th & Tyler, St. Louis Mo.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.** East Pittsburgh, Pa.
*See adv index at end of book*

### 952a— Blue (Chinese)

McNulty Joseph A., 135 William, New York
*See adv index at end of book*

### 952b— Blue (Cobalt)

Waldo E. M. & F., 11 B'way, New York

### 952c— Blue (Milori)

McNulty Joseph A., 135 William, New York
*See adv index at end of book*

### 953— Blue Powder

Drakenfeld B. F. & Co., 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, O.
Roessler & Hasslacher Chemical Co., 709 6th av, New York

### 954—Blue Print Cars & Frames

Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Fritz Mfg. Co. (Frames), Grand Rapids, Mich.
Keuffel & Esser Co. (Frames), Hoboken N. J.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Weber F. & Co., 1220 Buttonwood, Phila., Pa.

### Blue Print Cases

See Blue Print Filing Cabinets

### 955—Blue Print Coating Machines

Pease C. F. Co. (Sanitizing), 820 N Franklin, Chicago, Ill.
*See adv index at end of book*
**Williams, Brown & Earle, 918 Chestnut, Phila., Pa.**

### 956-7—Blue Print Filing Cabinets

American Drafting Furniture Co. ("American"), 129 Mill, Rochester, N. Y.
Cleveland Wire Spring Co. (Steel), 1281 E. 38th, Cleveland, O.
Darby Edw. & Sons Co. (Steel), 412 N. 18th, Phila., Pa.
**Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.**
**Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.**
Economy Drawing Table & Mfg. Co., Adrien, Mich.
Edwards O. M. Co., Inc., ("Edwards" Steel), Syracuse, N. Y.
**Elliott B. K. Co. (Steel or Wood), 126 6th, Pittsburgh, Pa.**
*See adv index at end of book*
**Fire-Proof Furniture & Construction Co. (Steel), Miamisburg, O.**
**Fritz Mfg. Co. (Frames), Grand Rapids, Mich.**
**Hamilton Mfg. Co. (Wood & Metal), Two Rivers, Wis.**
Keuffel & Esser Co., Hoboken, N. J.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Pease C. F. Co., 820 N Franklin, Chicago, Ill.
*See adv index at end of book*
Rowe Henry Mfg. Co., Newaygo, Mich.
Weber F. & Co., 1220 Buttonwood, Phila., Pa.; also St. Louis, Mo., & Baltimore, Md.
**Williams, Brown & Earle, 918 Chestnut, Phila., Pa.**
Yawman & Erbe Mfg. Co., Rochester, N. Y.

### Blue Print Frames

See Blue Print Cars & Frames

### 958—*Blue Print Lamps & Carbons

See also Lamps (Blue Print)

**WAGENHORST J. H. & CO.,** Youngstown, O.

### 959—Blue Print Trimming Tables

Pease C. F. Co. (Hand or Power), 820 N Franklin, Chicago, Ill.
*See adv index at end of book*

### 960-1—Blue Print Washing & Drying Machines

**ACME BLUE PRINT PAPER CO.,** 115 S Dearborn, Chicago, Ill.
*See adv index at end of book*
Crofoot Nielson & Co., 172 W Washington, Chicago, Ill. *See adv index at end of book*
Pease C. F. Co. (Single Sheet & Continuous Automatic), 820 N Franklin, Chicago, Ill.
Williams, Brown & Earle, 918 Chestnut, Phila., Pa.

### Blue Printing

See Blue & Black Prints & Papers

### 962—Blue Printing Machines

Buckeye Engine Co. ("Buckeye" Electric), Salem, O.
Buffalo Blue Print Co. ("Universal"), Builders' Exchange, Buffalo, N. Y.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Keuffel & Esser Co. (Continuous), Hoboken, N. J.
Paragon Machine Co. (Electric), Rochester, N. Y.
Pease C. F. Co. (Vertical & Continuous Automatic), 820 N Franklin, Chicago, Ill.
*See adv index at end of book*
Post Fred'k Co. ("Simplex" Electric, Continuous Blue Print Machine), 3635 Clark, Chicago, Ill.
Revolute Machine Co. ("Everett-McAdam" Continuous Electric), 417 E 93d, New York
Shaw Blue Print Machine Co., Campbell, Newark, N. J.
U. S. Blue Print Paper Co., 327 S La Salle, Chicago, Ill.
**WAGENHORST J. H. & CO.** ("Wagenhorst" Vertical Automatic & Flat Glass Continuous Elec. Blue Printers), Youngstown, O.
Weber F. & Co., 1220 Buttonwood, Phila., Pa.; also St. Louis, Mo., & Baltimore, Md. *See adv index at end of book*
Wickes Bros. (Electric), Saginaw, Mich.
Williams, Brown & Earle, 918 Chestnut, Phila., Pa.

### 962a—Blue Printing Requisites

See also Specific Headings

Pease C. F. Co., 820 N Franklin, Chicago, Ill.
*See adv index at end of book*

### 962b— Blue (Prussian)

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Kohnstamm H. & Co., 89 Park pl, New York
McNulty Joseph A., 135 William, New York
*See adv index at end of book*

### 962c— Blue (Soluble)

Dicks David & Co., Inc., Varick & N Moore, New York
McNulty Joseph A., 135 William, New York
*See adv index at end of book*

## Blue Vitriol

See Chemicals, Battery, with the words Blue Vitriol following their names
See also Copper Sulphate

## Blue & Black Printing

See Blue & Black Prints & Papers

## 963—Blue & Black Prints & Papers

**ACME BLUE PRINT PAPER CO.**, 115 S Dearborn, Chicago, Ill.
*See adv index at end of book*
Aloe A. S. Co., 513 Olive, St. Louis, Mo.
American Blue Print Co., 30 E 42d, New York
**AMERICAN BLUE PRINT PAPER CO.**, 445 Plymouth ct, Chicago, Ill.
Amsler Blue Print Co., 30 Church, New York
Architects' & Engineers' Supply Co., 913 Grandar, Kansas City, Mo.
Barclay D. & Sons, 1515 Sansom, Phila., Pa.
Beatty Fred W., 39 Ann, New York
Birmingham Blue Print Co. (Blue Prints), Birmingham, Ala.
Blue Print Co., 101 Park av, New York
Blumhard C. A. Blue Paper Co., 38 S 6th, Phila., Pa.
Boston Blue Print Co., 12 India, Boston, Mass.
Brown L. L. Paper Co. (Linen Ledger), Adams, Mass.
Buffalo Blue Print Co., Builders' Exchange, Buffalo, N. Y.
Cardwell Blue Print & Supply Co., Denver, Colo.
Cole H. Co., 68 E Gay, Columbus, O.
Concourse Blue Print Co., 52 Vanderbilt av, New York
Crofoot Nielsen & Co., 172 W Washington, Chicago, Ill. *See adv index at end of book*

**Crofoot, Nielsen & Co.**
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Tel. Main { 759 / 684
Blue Printing and Drawing Materials

Defiance Mfg. Co., 22 E 41st, New York
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Electro Sun Co., Inc. (Brown), 161 Washington, New York
Elliott B. K. Co. (Blue Print & Brown Print Papers & Cloths), 126 6th, Pitsburgh, Pa.
*See adv index at end of book*
Erie Electric Blue Print Co., Erie, Pa.
Frey Louis & Co. ("Bertsch" Imported), 50 John, New York
Frost & Adams Co., 25 Arch, Boston, Mass.
Hewlett Geo. B., 32 Front, New York
Huey & Co., 59 E Adams, Chicago, Ill.
Indianapolis Blue Print & Supply Co., Century bldg, Indianapolis, Ind.
Keuffel & Esser Co., Hoboken, N. J.
Keystone Blue Paper Co., 910 Filbert, Phila., Pa.
Kolesch & Co., 138 Fulton, New York
Ledder & Probst, 21 Pearl, Boston, Mass.
McCollin Thos. H. & Co., 54 N 9th, Phila., Pa.
McNair Alex. & Co., 5 N. La Salle, Chicago, Ill.
Makepeace B. L., 387 Washington, Boston, Mass.
Multi-Color Copying Co., 125 Woodward av, Detroit, Mich.
National Blue Print Co., 110 W 32nd, New York
New York Blue Print Paper Co. ("Gold Seal," "Superior," also Brown), 102 Reade, New York
New York Multi-Color Copying Co., 25 Pearl, New York
Pease C. F. Co., 820 N Franklin, Chicago, Ill.
*See adv index at end of book*
Peerless Blue Print Co., 341 5th av, New York
Post Frederick Co., 3635 Hamlin av, Chicago, Ill.
Providence Electric Blue Printing Co., 86 Weybosset, Providence, R. I.
Queen City Blue Print Co., 124 Government pl, Cincinnati, O.
Revolute Mach. Co., 417 E 93d, New York
Rexim Co. (Blacklined Reproduction Process), 908 Chestnut, Phila., Pa.
Rochester Blue Printing Co., Rochester, N. Y.
Robbins Chas. H., Jr., 125 S 11th, Phila., Pa.
Rogers & Co., 521 Marquette av, Minneapolis, Minn.
St. Louis Blue Print & Supply Co., 314 N. 6th, St. Louis, Mo.
Shaw Blue Print Machine Co., 11 Campbell, Newark, N. J.
Shays J. R., 145 Greenwich, New York
Smith G. W. & Co., Inc., 49th & Botanic, Phila., Pa.
Spaulding Moss Co., 42 Franklin, Boston, Mass.
Storey H. H. & Co., 329 Walnut, Phila., Pa.
Taws Henry M., 920 Arch, Phila., Pa.
Technical Supply Co. ("Tec"), Scranton, Pa.
Toerring C. J. Co., 2121 Toronto, Phila., Pa.
United States Blue Print Paper Co., 327 S La Salle, Chicago, Ill.
Wagenhorst J. H. & Co., Youngstown, O.
Weber F. & Co., 1220 Buttonwood, Phila., Pa.; also St. Louis, Mo., & Baltimore, Md.
Weil J. H. & Co., 1300 Arch, Phila., Pa.
Western Blue Print Co., Gumbel bldg, Kansas City, Mo.
Williams, Brown & Earle, 918 Chestnut, Phila., Pa.

## Bluestone

See Copper Sulphate

## 963a—Boards (Asbestos Panel)

Alignum Fireproof Products Co., Inc., So. River, N. J., & 356 Lexington av, New York *See adv index at end of book*

## 964— Boards (Binders')

See also Box Board Mfrs.

Albey Bros., 149 Meeker av, Newark, N. J.
American Straw Board Co., B'way & 42d, New York
Boehme & Rauch Co., Monroe, Mich.
Brookside Paper Co., S Manchester, Conn.
Case & Risley Press Paper Co., Oneco, Conn.
Davey E. H. Co., Bloomfield, N. J.
**DAVEY W. O. & SONS**, ("Fibrasote"), 169 Laidlaw av, Jersey City, N. J.
*See adv index at end of book*
Fandango Mills, Millburn, N. J.
Foulds William Co., Manchester, Conn.
Hartford Board Co., Hartford, Conn.
Haverhill Box Board Co., Haverhill, Mass.
**HEWITT C. B. & BROS.**, 20 Ferry, New York. *See adv index at end of book*
Ingalls & Co. (Mill), Castleton, N. Y.
Kerr Paper Mill Co., E Downington, Pa.
La Boiteaux, C. L. Co., 1st Nat'l Bk. bldg, Cincinnati, O.
Merion Paper Co., Bellevue Court bldg, Phila., Pa.
Monroe Binder Board Co., Monroe, Mich.
Muir James A., Morristown, N. J.
Naubuc Paper Co., Glastonbury, Conn.
Norton C. H., N Westchester, Conn.
Otter River Board Co., Otter River, Mass.
Palmer Willis B., Doe Run, Pa.
Perkiomen Paper Co., Pennsburg, Pa.
Riverside Paper Mfg. Co., The, Glastonbury, Conn.
Seeley Paper Mills Co., Scotch Plains, N. J.
South Coventry Paper Co., South Coventry, Conn.
Tonawanda Board & Paper Co., Tonawanda, N. Y.
United Paperboard Co., 171 Madison av, New York
Wasuc Mills Co., S Glastonbury, Conn.
Westport Paper Co., Westport, Conn.

## Boards (Box)

See Box Board Mfrs.

## 965—Boards (Bread, Pastry, Etc.)

Albion Wood & Metal Products Co., Inc., Albion, N. Y.
Biddeford Variety Mfg. Co., Biddeford, Me.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Cassady Fairbanks Mfg. Co., 6126 S La Salle, Chicago, Ill.
Clark J. R. Co., 2nd av N & Aldrich av, Minneapolis, Minn.
Empire Co., North Girard, Pa.
Estes E. B. & Sons (Bread), 364 5th av, New York. *See adv index at end of book*
Fox Geo. S., 137 N 6th, Phila., Pa.
Imperial Mfg. Co. ("Ideal," "American"), Cambridge, Ohio
Peirce W. E. & Co., Milford, N. H.
Specialty Mfg. Co., Titusville, Pa.
Stokes Wm. A. & Co., 50 Howard, New York
Union Mfg. Co., Cambridge, O.

## 966— Boards (Builders)

See also Wall Boards

Boehme & Rauch Co., Monroe, Mich.
Ingalls & Co. (Mill), Castleton, N. Y.
Mac-Sim-Bar Paper Co., Otsego, Mich.
Monroe Binder Board Co., Monroe, Mich.
Tonawanda Board & Paper Co., Tonawanda, N. Y.
United Paperboard Co., 171 Madison av., New York
**UPSON CO.**, Lockport, N. Y.
*See adv index at end of book*

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| Hectograph Prints | Negative Prints | Blue Print Cloths | Blue Print Papers |
| Direct Blue Line Prints | Photo Prints | Brown Print Papers | |

## Boards (Bulletin)

See Bulletin Boards

## 967— Boards (Cake)

Biddeford Variety Mfg. Co., Biddeford, Me.
Estes E. B. & Sons, 364 Fifth av, New York
*See adv index at end of book*
Getz M & Co., 162 First, San Fransisco, Cal.

## 968— Boards (Clip & File)

American Mfg. Concern (With or Without Fixtures), Falconer, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 969— Boards (Cloth)

Bridge's A. D. Sons, Hazardville, Conn.
Cady Geo. L. & Sons, Lowell, Mass.
Case Bros., Highland Park, Conn.
Chaffee Bros. Co., Oxford, Mass.
Darling C. P. Co., 415 Charles, Providence, R. I.
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Lawrence Lumber Co., Lawrence, Mass.
Nashua Spool & Bobbin Co. (Wood & Pulp), Grove Hall Station, Boston, Mass.
Pingree D. W. Co., Lawrence, Mass.
Providence Box & Lumber Co., 1102 Cranston, Providence, R. I.
Shryock J. K., 301 N 2d, Phila., Pa.
Thompson Jas. A., Lowell, Mass.
Tonawanda Board & Paper Co., Tonawanda, N. Y.

## 970— Boards (Cutting)

DAVEY W. O. & SONS ("Fibrasote"), 169 Laidlaw av, Jersey City, N. J.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Irish Bros. Co., Buckfield, Me.
New York Wood Working Corp., 502 E 19th, New York
Tolhurst Machine Works (For Shirt, Neckwear, Corset & Collar Factories, etc), Troy, N. Y.

## 971— Boards (Drawing)

ACME BLUE PRINT PAPER CO., 115 S Dearborn, Chicago, Ill.
*See adv index at end of book*
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Keuffel & Esser Co., Hoboken, N. J.
Rowe Henry Mfg. Co., Newaygo, Mich.

## 972— Boards (Fibre)

Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
*See adv index at end of book*
Danvers Leather Co., 161 Devonshire, Boston, Mass.
DAVEY W. O. & SONS ("Fibrasote"), 169 Laidlaw av, Jersey City, N. J.
*See adv index at end of book*
Endicott-Johnson & Co., Endicott, N. Y.
Ft. Wayne Corrugated Paper Co., Hartford, Ind.
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Lee Fibre Co., Wadleys Falls, N. H.
Nat'l Fibre & Insulation Co., Yorklyn, Del.
Pantasote Co. ("Homasote," "Vehisote," & "Agasote"), 11 B'way, New York
River Raisin Paper Co., Monroe, Mich.
Rockford Paper Box Board Co., Rockford, Ill.
Spaulding J. & Sons Co., N Rochester, N. H. *See adv index at end of book*
Stowe J. D. & Sons, Scitico, Conn.
United Paperboard Co., 171 Madison av, New York
UPSON CO., Lockport, N. Y.
*See adv index at end of book*
Wasuc Mills Co., South Glastonbury, Conn.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

## 973— Boards (Friction)

Davey E. H. Co., Bloomfield, N. J.
DAVEY W. O. & SONS ("Fibrasote"), 169 Laidlaw av, Jersey City, N. J.
*See adv index at end of book*
HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*

**C. B. HEWITT & BROS., Inc.**
**20 FERRY ST., NEW YORK**
*Manufacturers, Importers and Dealers*

**Paper** Pattern Papers, Detail and Tracing Papers, Flexible Papers for Leather Work, Backing Paper, Card Middles, Jute and Rope Manillas, Building and Roofing Papers, Wrapping Papers, Special Papers made to order.

**Boards** Binders Boards, Trunk and Case Boards, Friction Boards, Leather Boards, Fibre Boards, News and Press Boards, Box Boards, Straw Boards (Air and Steam Dried). A.B.C. Pattern Boards a specialty.

**Glues** Foreign and Domestic, Hide and Bone Glues, Sheet, Broken and Ground, for Cabinet and Piano Work (joint and veneer), Paper Making, Straw Hat and Fabric and Kalsomine Sizing, Bindery, Furniture and Box Makers' Glues.

**Gelatines** Capsule Manufacturers, Pharmaceutical Preparation Makers, Confectioners, Jelly and Preserve Manufacturers, etc.

Ingalls & Co. (Mill), Castleton, N. Y.
Leo James Co., 251 Varick, Jersey City, N. J.
Manhattan Straw Board Co., B'way & 42d, New York
Rogers Fibre Co., 121 Beach, Boston, Mass.
Seeley Paper Mills Co., Scotch Plains, N. J.
Spaulding J. & Sons Co., N Rochester, N. H.
Stratford Geo. Oakum Co., Cornelison av, Jersey City, N. J.
Wasuc Mills Co., S Glastonbury, Conn.

## 973a— Boards (Game)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Carrom Co. ("Carrom," "Crokinole"), Ludington, Mich.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*

## 974— *Boards (Gauge)

SCHAEFFER & BUDENBERG MFG. CO. (Marble, Slate, Hardwood, Metal), Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 975— Boards (Glass Cutting)

Lufkin Rule Co., Saginaw, Mich.

## 976— Boards (Hanger)

Brady Electric Mfg. Co. (Arc Lamp), New Britain, Conn.
Bryant Elec. Co., Bridgeport, Conn.
Fort Wayne Electric Works of General Electric Co., Fort Wayne, Ind.
GENERAL ELECTRIC CO. (Arc Lamp), Schenectady, N. Y.
*See adv index at end of book*
Lundin Electric & Machine Co. ("Arc Lamp" with absolute cut-out), 10 Thatcher, Boston, Mass.
Paiste H. T. Co. (Fusible), 3201 Arch, Phila., Pa.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.

## Boards (Hosiery)

See Hosiery Boards

## 977—Boards (Insulating Press)

HEWITT C. B. & BROS., 20 Ferry, New York. *See adv index at end of book*
Manning John A. Paper Co., Troy, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*

## 978— Boards (Ironing)

Acme Mfg. Co. ("Acme," Plain & Shirt & Sleeve), 1806 East, Pittsburgh, Pa.
Albion Wood & Metal Products Co., Inc. (also Skirt & Sleeve), Albion, N. Y.
Austell Swing & Ladder Co., Austell, Ga.
Brook Novelty Co., Brook, Ind.
Bryant Mfg. Co., Springfield, O.
Cardington Cabinet Co., Cardington, O.
Chicago Curtain Stretcher Co., 3725 Wall, Chicago, Ill.
Chicago Dryer Co. ("Chicago"), 630 S Wabash av, Chicago, Ill.
Christman A. G. Co. ("Royal"), Reading, Pa.
Clark J. R. & Co. 2nd av N & Aldrich av, Minneapolis, Minn.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Davis John B. (Plain & Shirt), Clinton, Me.
Dillingham Mfg. Co. (Folding), Sheboygan, Wis.
Eclipse Co. ("Eclipse," "Eureka," Sleeve, etc), North Girard, Pa.
Eisenmann S. J. ("Avon"), 369 B'way, New York
Fisher Adam Mfg. Co. (Step Ladder Combination), 3624 Enright, St. Louis, Mo. Mo.
Forsyth Wm. & Sons Co., West Lynn, Mass.
Fox Geo. S., 137 N 6th, Phila., Pa.
Hammond J. T. & Son, 4534 Hedge, Phila., Pa.
Holmquist & Co. ("Home Kissed," Bosom, Shirt, Sleeve, etc.), 2814 W. 26th, Chicago, Ill.
Milford Mfg. Co. ("Perfection," Reversible Sleeve & Bosom & Collapsible Sleeve), Mansfield, O.
Modern Mfg. Co., Hagerstown, Md.
Moulton C. W. H. Co., Somerville, Mass.
Mueller H. G. Mfg. Co., Sheboygan, Wis.
National Woodenware Co., Ltd., Grand Rapids, Mich.
Oregon Woodenware Mfg. Co. ("Springer" Folding), Portland, Ore.
Queen Mfg. Co., 313 S Clinton, Chicago, Ill.
Rogers Paper Mfg. Co., So. Manchester, Conn.
Specialty Mfg. Co., Titusville, Pa.
Standard Mfg. Co., Cambridge City, Ind.
Steinfeld Bros. ("Steinfeld," also Shirt), 116 W 32nd, New York
Stokes Wm. A. & Co., 50 Howard, New York
Tyrone Ironing Board Co. ("McKinney," Reversible Sleeve & Bosom), Tyrone, Pa.
Udell Works ("Udell"), Indianapolis, Ind.
Young Bros. Co., Worcester, Mass.

## 979— Boards (Jute)

See also Box Board Mfrs

Auglaize Box Board Co., St. Marys, O.
Fort Wayne Corrugated Paper Co., Hartford City, Ind.
Franklin Board & Paper Co., Franklin, O.
Gardner-Harvey Paper Co. (Plain or Oak Grain), Middletown, O.
Harvey Paper Co., Wellsburg, W. Va.
La Boiteaux, C. L. Co., 1st Nat'l Bk. bldg, Cincinnati, O.
Lewis J. P. Co., Beaver Falls, N. Y.
Mac-Sim-Bar Paper Co., Otsego, Mich.
Marion Paper Co. (Plain or Grained), Marion, Ind.
Ohio Box Board Co., 1390 E 30th, Cleveland, O.
Richardson Paper Co., Wyoming & Cooper av, Lockland, O.
Rockford Paper Box Board Co., Rockford, Ill.
Tonawanda Board & Paper Co. (Solid & Filled), Tonawanda, N. Y.
United Paper Board Co., 171 Madison av, New York

## 980— Boards (Leather)

Case Board Co., Andover, Conn.
Cushman & Rankin Co., Bath, N. H.
Danvers Leather Co., 161 Devonshire, Boston, Mass.
Davis Paper Co., Contoocook, N. H.
Endicott-Johnson & Co., Endicott, N. Y.
Foulds Wm. Co., Manchester, Conn.

BOARDS (LEATHER)—continued

**HEWITT C. B. & BROS.**, 20 Ferry, New York. *See adv index at end of book*
Ingalls & Co. (Mill), Castleton, N. Y.
Jenkins Geo. O., Whitman, Mass.
Kerr Paper Mill Co., East Downington, Pa.
Lancaster Leather Co., Lancaster, O.
Lee Fibre Co., Wadleys Falls, N. H.
Milton Leather Board Co., Milton, N. H.
Muir James A., Morristown, N. J.
Naubuc Paper Co., Glastonbury, Conn.
Nichols N. J. Co., South Coventry, Conn.
Passumpsic Fibre Leather Co., Passumpsic, Vt.
Rogers Fibre Co., 121 Beach, Boston, Mass.
Rogers Paper Mfg. Co., So Manchester, Conn.
Sherman & Co., Belfast, Me.

## 981— Boards (Mat)

Case A. Williard Co., Manchester, Conn.
Chicago Mat Board Co., 664 Washington blvd, Chicago, Ill.
National Card Mat & Board Co., 218 W Superior, Chicago, Ill.
South Coventry Paper Co., South Coventry, Conn.
Spaulding J. & Sons Co., North Rochester, N. H. *See adv index at end of book*
Stowe J. D. & Sons, Scitico, Conn.
Wasuc Mills Co., South Glastonbury, Conn.
Westport Paper Co., Westport, Conn.

## 982— Boards (News)

**HEWITT C. B. & BROS.**, 20 Ferry, New York. *See adv index at end of book*
McEwan Bros., Whippany, N. J.
Tonawanda Board & Paper Co. (Solid & Filled), Tonawanda, N. Y.
Westport Paper Co., Westport, Conn.

## 982a—Boards (Pilot Lamp Connector)

General Electric Co., Schenectady, N. Y. *See adv index at end of book*

## Boards (Panel, Etc.)

See Switchboards, Light & Power

## 983— Boards (Pattern)

See also Boards, Binders'; also Lumber, Templet

Boehme & Rauch Co. (Paper Board), Monroe, Mich.
**DAVEY W. O. & SONS** ("Fibrasote"), 169 Laidlaw av, Jersey City, N. J. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
**HEWITT C. B. & BROS.** ("A. B. C."), 20 Ferry, New York *See adv index at end of book*
Monroe Binder Board Co., Monroe, Mich.

## 983a— *Boards (Peg)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS**, 364 5th av, New York *See adv index at end of book*

## 984—Boards (Printers' Engraving)

Setter Bros. Co., Cattaraugus, N. Y.

## 984a— *Boards (Punch)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 985—Boards (Shoveling & End Gate)

Beggs Wagon Co. ("Acme"), Kansas City, Mo.
Bristol & Gale Co. ("Lakeside"), 158 Carroll av, Chicago, Ill.
Clippinger A. B. & Son Mfg. Co. ("A. B. C."), Kansas City, Kan.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Dain Mfg. Co., Ottumwa, Ia.
Dectaur Mfg. Co., Decatur, Ill.
Ernsdorff John Iron Co., Dubuque, Ia.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Hayes Pump & Planter Co. ("B. B.," "Boss," "Perkins," "Ruby"), Galva, Ill.
Hunt, Helm Ferris & Co. ("Star"), Harvard, Ill.
Klondike Incubator Co. ("Wilde"), Des Moines, Ia.
Knapheide Henry Wagon Co. ("Korn King"), Quincy, Ill.
Litchfield Mfg. Co. ("Grain King"), Waterloo, Ia.
Mandt Wagon Co., Stoughton, Wis.
Nagley Mfg. Co. ("The Sampson"), Lyons, N. Y.
Peoria Drill & Seeder Co. ("Big Four," "Great Northern," "H. & A." "It's a Corker," "Luthe," "Midland," "O-K," "Valley City"), Peoria, Ill.
Standard Mfg. Co., Council Bluffs, Ia.
Stoughton Wagon Co., Stoughton, Wis.
Sturgis W. B. & Sons ("New Western"), Shelbyville, Ill.
True Mfg. Co. ("New Western"), Eaton Rapids, Mich.
Turnbull Motor Truck & Wagon Co., Defiance, O.

## 986— Boards (Sounding)

Breckwoldt J. & Co., Dolgeville, N. Y.
Posey Mfg. Co., Hoquiam, Wash.

## 986a— *Boards (Starch)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Getz M & Co, 162 First, San Francisco, Cal.

## 987— Boards (Stencil)

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Matthews James H. & Co. (& Supplies), 3942 Forbes, Pittsburgh, Pa.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O, & 538 Brisbane bldg, Buffalo, N. Y. *See adv index at end of book*
United Paperboard Co. (Unoiled), 171 Madison av, New York

## Boards (Straw)

See Straw Board Mfrs.

## 988— Boards (Tar)

**DAVEY W. O. & SONS** ("Fibrasote"), 169 Laidlaw av, Jersey City, N. J. *See adv index at end of book*
**HEWITT C. B. & BROS.**, 20 Ferry, New York. *See adv index at end of book*

## Boards (Templet)

See Boards, Pattern; also Lumber, Templet

## 989— Boards (Trunk)

Albey Bros., 149 Meeker av, Newark, N. J.
**DAVEY W. O. & SONS** ("Fibrasote"), 169 Laidlaw av, Jersey City, N. J. *See adv index at end of book*
**HEWITT C. B. & BROS.**, 20 Ferry, New York. *See adv index at end of book*
Norton C. H., North Westchester, Conn.
Perkiomen Paper Co., Pennsburg, Pa.
Rogers Fibre Co., 121 Beach, Boston, Mass.
Tonawanda Board & Paper Co., Tonawanda, N. Y.
Westport Paper Co., Westport, Conn.

## 989a— Boat Boards

Juniper Lumber Co., Inc. (White Cedar or Flitch Sawn), Ivanhoe, N. Car.
Roper John L. Lumber Co., Norfolk, Va.

## 990— Boats (Cat)

American Boat Co., Detroit, Mich.
Crosby D. & Son, Osterville, Mass.
Crosby Wilton, Osterville, Mass.
Hansen A., ft. Bay 35th, Brooklyn, N. Y.

## Boats (Collapsible)

See Boats & Rafts, Life

## 990a— Boats (Combustion)

Ohio Pottery Co. (Porcelain), Zanesville, O.

## 991— Boats (Flying)

Burgess Co., Marblehead, Mass.
Christofferson Aircraft Mfg. Co., 57 Post, San Francisco, Cal.
Curtis Aeroplane & Motor Corp., 1912 Elmwood, Buffalo, N. Y.

## 992— Boats (Folding)

Acme Folding Boat Co., Miamisburg, O.
King Folding Canvas Boat Co., Kalamazoo, Mich.

## 993— Boats (Knocked-Down)

Brooks Mfg. Co., Saginaw, Mich.
Marine Iron Works, 2036 Dominick, Chicago, Ill.
Neumeister Fred P. & Co., Rockford, Ill.
Niagara Motor Boat Co., North Tonawanda, N. Y.
Pioneer Boat & Pattern Co., Bay City, Mich.
Racine Boat Co., Racine, Wis.
St. Louis Boat & Engine Co., St. Louis, Mo.

## Boats (Motor)

See Motor Boat, Launch & Yacht Builders

## 994— Boats (Steel)

See also Motor Boat, Launch & Yacht Builders

American Balsa Co., Inc., 50 E 42d, New York
Dubuque Boat & Boiler Works, Dubuque, Ia.
Ferguson Steel & Iron Co., Buffalo, N. Y.
Michigan Steel Boat Co., Kercheval & Connors, Detroit, Mich.
Mullins Body Corp. (Boats, Launches, etc.), 341 Franklin, Salem, O.
341 Franklin, Salem, O.
New York Shipbuilding Co., Camden, N. J.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Racine Boat Co., Racine, Wis.
Rippley Mfg. & Steel Boat Co., Grafton, Ill.

## 995— Boats (Stone)

Belcher & Taylor Agricultural Tool Co. (& Fronts), Chicopee Falls, Mass.
Dickinson Rack Co., Stockbridge, Mich.
Dutton E. Q. & Co. (& Fronts), Cato, N. Y.
Eddy W. Plow Co. (& Fronts), Greenwich, N. Y.
Patterson Mfg. Co., Holly, Mich.

## 996— Boats (Tow or Tug)

American Tug Boat Co., Everette, Wash.
Atlantic Works, 80 Border, East Boston, Mass.
Conwoy Towboat Co., Covington, Ky.
Cowles Shipyard Co., Buffalo, N. Y.
Harlan & Hollingsworth Corp., Wilmington, Del.
Lake Erie Drydock & Mill Co., Sandusky, O.
Lake Shipbuilding Co., Buffalo, N. Y.
Leathen & Smith Towing & Wrecking Co., Sturgeon Bay, Wis.
Noecker & Ake Shipbuilding Co., Camden, N. J.
Pusey & Jones Co., Wilmington, Del.
Racine Boat Co., Racine, Wis.
Rees James & Sons Co., 18 4th, Pittsburgh, Pa.

## 997-8-9—Boats & Rafts (Life)

American Balsa Co., Inc. (Metallic Self-Baling & Self-Righting; also "A. B. C." Balsa Rafts), 50 E. 42nd, New York
American Ship Building Co., Ft. of W 54th, Cleveland, O.
Astoria Boat Wks & Marine Equipment Co., Inc., Astoria, L. I., N. Y.
Detroit Shipbuilding Co. ("Kirby" Metallic "Clark's" Metallic), Brass Dept, ft. Orleans, Detroit, Mich.
Drein Thos. & Son Co. (Metallic), A, Wilmington, Del.
Galbraith C. C. & Son, 90 West, New York
Kahnweiler's David Sons (Metallic & Wooden), 260 Front, New York
Lane C. M. Life Boat Co. (Metallic & Wooden; also "Englehardt" Collapsible), 250 Huron, Brooklyn, N. Y.
Mobile Steel Co. (Metal), Mobile, Ala.
Munn Thos. C. Co., Wilmington, Del.
New York Shipbuilding Co., Camden, N. J.
Racine Boat Co. (Metallic), Racine, Wis.
Steward Dairt & Equipment Corp., 17 Battery pl, New York

## 1000—Bodies (Commercial, Automomobile, Metal)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.

Archer Iron Works (Steel), 2436 W 34th pl, Chicago, Ill.
Armstrong M. Co., 433 Chapel, New Haven, Conn.
Auto Body Co., Lansing, Mich.
Baker R. & S. Co. ("Raulang" Aluminum Panel), 2180 W 25th, Cleveland, Ohio
Barney & Smith Car Co., Dayton, Ohio
Budd Edward G. Mfg. Co. (Pressed Steel), 25th & Hunting Park av, Phila., Pa.
Coast Engine & Machine Works, E Water & Taylor, Portland, Ore.
Collins R. N. Vehicle Woodwork Co., 3900 Chouteau av, St. Louis, Mo.
Columbian Steel Tank Co., 1601 W 12th, Kansas City, Mo.
Fitzgibbon & Crisp, Trenton, N. J.
Hayes Mfg. Co., 480 Maybury, Detroit, Mich.
Heil Co. (Hoisting, Elevating, Dumping & Steel), 26th & Montana avs, Milwaukee, Wis.
**Holcker-Elberg Mfg. Co., N E cor 16th & McGee, Kansas City, Mo.**
Hydro-Hoist Co. (Steel Dump), 26th & Montana avs. Milwaukee, Wis.
Interstate Bridge Forge Mfg. Co. (Steel Truck Bodies), 207 Market, Newark, N. J.
Ketler-Elliott Co. ("Ketoco" Steel), 31st & California, Chicago, Ill.
Keystone Vehicle Co., Reading, Pa.
**KILBOURNE & JACOBS MFG. CO.** (Steel Motor Truck Bodies), Columbus, O.
*See adv index at end of book*
Littleford Bros. (Steel Truck), 453 E Pearl, Cincinnati, O.
Mansfield Steel Corp., 288 E Milwaukee av, Detroit, Mich.
Mifflinburg Body Co., Mifflinburg, Pa.
Miller A. J. & Co., Bellefontaine, O.
Motor Truck Body Co., 409 E Penobscot, Detroit, Mich.
Mullins Body Corp., Salem, Ohio
Mullins W. H. Co., 341 Franklin, Salem, O.
Ohio Body & Blower Co., 9300 Detroit av, Cleveland, Ohio
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, O.
*See adv index at end of book*
Pirsch, Peter & Co., Kenosha, Wis.
Schubert August Wagon Co., Oneida, N. Y.
Sidney Mfg. Co., Sidney, O.
South Bend Spring Wagon & Carriage Co., South Bend, Ind.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Stover Steel Tank Co., Freeport, Ill.
Wadsworth Mfg. Co., 1600 Kercheval, Detroit, Mich.
York Carriage Co., York, Pa.

## 1001—Bodies (Commercial, Automobile, Wood)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
American Body Co., 1200 Niagara, Buffalo, N. Y.
Armstrong-Johnston Mfg. Co. (Auto Truck Bodies), Columbus, O.
Armstrong M. Co., 433 Chapel, New Haven, Conn.
Auto Body Co., Lansing, Mich.
Babcock H. H. Co., Watertown, N. Y
Badger Auto Body Co., 209 Hanover, Milwaukee, Wis.
Barnett Auto Body Co., 425 Golden Gate, San Francisco, Calif.
Barney & Smith Car Co., Dayton, Ohio
Brill J. G. Co., 62d & Woodland, Phila., Pa.
Brownell & Burt, Taunton, Mass.
Cottage Grove Mfg. Co. (For Fords), 3912 Langley av, Cleveland, Ohio
Columbia Wagon Co., Columbia, Pa.
Currier-Cameron Co., 85 Elm, Amesbury, Mass
Dann Bros. & Co., New Haven, Conn.
Fitzgibbon & Crisp, Trenton, N. J.
Frazier W. S. & Co., Aurora, Ill.
Globe Body Co., Fostoria, Ohio
Highland Body Mfg. Co. (Bodies & Seats for Motor Trucks), Center Hill av, & C. H. & D. R. R., Elmwood, Cincinnati, O.
Jennings Automatic Dump Body, Inc., Roanoke, Va.
Lansing Body Co., Lansing, Mich.
Lantz W. R. Mfg. & Supply Co. (Truck), Muskogee, Okla.
Lee Loader & Body Co., 2343 S La Salle, Chicago, Ill.
Milburn Wagon Co., Toledo, O.
Motor Truck Body Co., 409 E Penobscot, Detroit, Mich.
New Haven Carriage Co., New Haven, Conn.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, O.
*See adv index at end of book*
**PRESS JACOB & SONS,** 300 N Halsted, Chicago, Ill.
Sargent & Ham Co., 26 Bowker, Boston, Mass.
Schukraft Wm. & Sons, 941 Fulton, Chicago, Ill.
Springfield Commercial Body Co., Springfield, Mass.
Syska Bros., 46 Bergen, Brooklyn, N. Y.
Tegetmeier & Riepe Co., 771 1st av, New York
Truck Engineering Co., B'way & E 71st, Cleveland, O.
Wentworth Body Co., Boston, Mass.
York Carriage Co., York, Pa.

## 1001a—Bodies (Passenger, Automobile, Metal)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Biddle & Smart Co., Amesbury, Mass.
Blue Ribbon Body Co., Bridgeport, Conn.
Briggs Body Co., Amesbury, Mass.
Budd Edward G. Mfg. Co., 25th & Hunting Park av, Phila., Pa.
Collins R. N. Vehicle Woodwork Co., 3900 Chouteau av, St. Louis, Mo.
Currier, Cameron Co., Amesbury, Mass.
Farnham & Nelson Co., Jamaica pl, Boston, Mass.
Fisher Body Corp., Oakland & Piquette, Detroit, Mich.
Fleetwood Metal Body Co., Fleetwood, Pa.
Hale & Kilbarn Co., 18th & Lehigh av., Philadelphia, Pa.
Hayes-Ionia Co., Ionia, Mich.
Hayes Mfg. Co., 458 Maybury, Detroit, Mich.
Hollander & Morrill, Amesbury, Mass.
Immel Co., 1687 S High, Columbus, Ohio
Judkins J. P. Co., Merrimac, Mass.
Ketler-Elliott Co. ("Keotoco" Steel), 31st & California, Chicago, Ill.
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
Lang Body Co., 3088 W 106th, Cleveland, Ohio
Meister A. & Sons Co., Sacramento, Cal.
Miller A. J. & Co., Bellefontaine, Ohio
New Haven Carriage Co., New Haven, Conn.
Niagara Auto Radiator Co., 151 W 68th, New York
Racine Mfg. Co., Racine, Wis.
Sidney Mfg. Co., Sidney, Ohio
Sterling Top & Equipment Co., 518 W 57th, New York
Stewart W. F. Co., Flint, Mich.
Union City Body Co., Union City, Ind.
Walker Wells Co., Amesbury, Mass.
Willoughby Co., Utica, N. Y.
Wilson C. R. Body Co., Clay av & D. G. H. & M. R. R., Detroit, Mich.

## 1001b—Bodies (Passenger, Automobile, Wood)

Abresch Chas. C., 399 4th, Milwaukee, Wis.
American Body Co., 1200 Niagara, Buffalo, N. Y.
Ames F. A. Co., Owensboro, Ky.
Art Metal Construction Co. (Omnibuses), Jamestown, N. Y.
*See adv index at end of book*
Auto Body Co., Lansing, Mich.
Auto Remodeling Co., 1505 S Michigan av, Chicago, Ill.
Blue Ribbon Body Co., Bridgeport, Conn.
Borbein Auto Co., 2109 N 9th, St. Louis, Mo.
Bridgeport Body Co., Bridgeport, Conn.
Brownell & Burt, Taunton, Mass.
Chicago Auto Equipment Co., 310 W Jackson blvd., Chicago, Ill.
Coast Engine & Machine Works, E Water & Tylor, Portland, Ore.
Columbia Wagon Co., Columbia, Pa.
Currier-Cameron Co., Amesbury, Mass.
Erdman-Guider Co. 2292 Woodward av, Detroit, Mich.
Fisher Body Corp., Oakland & Piquette, Detroit, Mich.
Haskelite Mfg. Co., 120 Broadway, New York
Hollander & Morrill, Amesbury, Mass.
Immel Co., 1687 S High, Columbus, Ohio
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
Limousine Carriage Mfg. Co., 3515 S Michigan av, Chicago, Ill.
Seaman W. S. Co., 480 Virginia, Milwaukee, Wis.
Milburn Wagon Co., Toledo, Ohio
Union City Body Co., Union City, Ind.
Willoughby Co., Utica, N. Y.
Wilson C. R. Body Co., Clay av & D. G. H. & M. R. R., Detroit, Mich.

## 1002—Bodies & Seats (Carriage & Wagon)

Ahr & Rost Co., Cincinnati, O.
Ames Body Corp., Owensboro, Ky.
Auburn Mfg. Co., Auburn, Ind.
Central Mfg. Co., Connersville, Ind.
Cincinnati Panel Co. (Buggy, Phaeton, Stanhope, etc), 1938 W 8th, Cincinnati, Ohio
Clark J. L. Mfg. Co., Oshkosh, Wis.
Coopersburg Bending Works, Coopersburg, Pa.
Dann Bros. & Co., New Haven, Conn.
Eureka Co., Rock Falls, Ill.
Excelsior Seat Co. (Buggy Seats), Fifth av & River rd, Columbus, O.
Fitch Gear Co., Rome, N. Y.
Gresham Mfg. Co., Griffin, Ga.
Haberer & Co., Gest & Summer, Cincinnati, O.
Highland Body Mfg. Co., Center Hill av & C., H. & D. R. R., Elmwood, Cincinnati, O.
Holt Bros. Mfg. Co., Concord, N. H.
Lansing Body Co., Lansing, Mich.
Leitch James N. Co., Amesbury, Mass.
Lowell Cutter Co., Lowell, Mich.
Mifflinburg Body & Gear Co., Mifflinburg, Pa.
New I. D. Seat Co., Rohrerstown, Pa.
Newton W. H. & Son, Cortland, N. Y.
Ohio Seat Co. (Seats), 1964 Central av, Cincinnati, O.
Perkins Isaiah W., Lynn, Mass.
Prouty & Glass Carriage Co., Wayne, Mich.
Sidney Mfg. Co., Sidney, O.
Truck Engineering Co., B'way & E 71st, Cleveland, O.
Union City Body Co., Union City, Ind.
Willoughby Co., Utica, N. Y.
Wright Carriage Body Co., Moline, Ill.
York Wagon Gear Co., York, Pa.

## Boiler Arches

See Brick, Boiler Arch & Setting

## 1003— Boiler Brace Mfrs.

Bethlehem Steel Co., So Bethlehem, Pa.
Castle A. M. & Co., 715 N Morgan, Chicago, Ill.
Central Iron & Steel Co., Harrisburg, Pa.
Lukens Steel Co., Coatesville, Pa.
Ryerson Jos. T. & Son ("McGregor"), 916 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*


# BOILER FITTINGS

Braces, Hangers, Lugs, Tubes, Staybolts, Manholes, Crabs, Ferrules, Dished and Flanged Heads, Rivets, etc.

*Send for Stock List*

**JOSEPH T. RYERSON & SON**

**Chicago St. Louis Detroit Buffalo New York**


Scully Steel & Iron Co. (Weldless), 2364 S Ashland av, Chicago, Ill.
Ulster Iron Works, Dover, N. J.

## 1003a—Boiler Casings (Steel)

Walsh & Weidener Boiler Co., Chattanooga, Tenn.

## Boiler Cleaners

See Cleaners, Boiler Flue & Tube

## 1004-5— Boiler Compounds

Aetna Boiler Compound Co., 6062 S La Salle, Chicago, Ill.
Albion Mfg. Co., Seattle, Wash.
American German Boiler Compound Co., 30 N. Dearborn, Chicago, Ill.
American Oil & Lubricant Works ("Brown"), Rochester, N. Y.
Andrews Williams, Inc., 95 William, New York
Arrow Boiler Compound Co. ("Arrow"), Commonwealth Trust bldg, St. Louis, Mo.
Belden A. G. & Co. ("Chrome"), 29 Burling slip, New York
Beltine Chemical & Mfg. Co., 401 N Sangamon, Chicago, Ill.
Bidtel Chemical Works, Inc., 51 Front, New York
Binghamton Boiler Compound Co. ("Pyramid"), Binghamton, N. Y.
Bird-Archer Co. ("Bird-Archer"), 90 West, New York
Black Bear Co., 138 Temple, Long Island City, N. Y.
Boiler-Note Co. The, 343 S Dearborn, Chicago, Ill.
Brewer & Co. ("Perfection"), Worcester, Mass.
British-American Chemical Co. ("Brisam"), Paterson, N. J.
Buckeye Chemical Co., Chamber of Commerce, Detroit, Mich.
Champion Compound Co., Lehigh av & Mutter, Phila., Pa.
Cherry Chemical Co. ("Red Seal"), 1018 Callowhill, Phila., Pa.
Chesterton A. W. Co. ("Challenge," "Vulite"), 64 India, Boston, Mass.
Chipman Chemical Engineering Co., Inc. ("Atlas E"), 95 Liberty, New York
Cleveland Mfg. & Supply Co. ("Cleveland"), Wade bldg, Cleveland, O.
Continental Chemical Co. ("C. C. C."), 119 S 4th, Phila., Pa.
Corliss Mfg. & Supply Co. ("C. C. C.") 1906 Olive, St. Louis, Mo.
Cortland Specialty Co. ("Banner"), Cortland, N. Y.
Crescent Oil & Supply Co., 303 N Levee, St. Louis, Mo.
Croscup I. O., 24 California, San Francisco, Cal.
Crown Mfg. Co., Engineers bldg, Cleveland, Ohio
Curry Bros. Oil Co., 253 Franklin, Boston, Mass.
Dearborn Chemical Co., 332 S Michigan av, Chicago, Ill.
Dehls & Stein, Inc., 239 South Newark, N. J.
Dixon Joseph Crucible Co., Jersey City, N. J.
Doermann-Roehrer Co. ("Do Ro"), 318 E 3rd, Cincinnati, Ohio
Dumond W. R., 39 South, New York
Duryea Mfg. Co. ("Solvol"), Bayonne, N. J.
Economy Boiler Compound Co., Flatiron bldg, New York
Economy Lubricating Co. ("Economy"), Dorrance & Temple, Charlestown, 29, Boston, Mass.
Favorite Boiler Compound Co., 8568 Vine av, Chicago, Ill.
Federal Graphite Mills ("Federal" Graphite), 2639 E 79th, Cleveland, O.
Ferofilm Co. ("Ferofilm" Scale Preventive), Utica, N. Y.
Gallaway G. W. ("Heichstadter's"), 322 Pearl, New York
Garratt-Callahan Co. ("Magic"), 30 Fremont, San Francisco, Cal.
German-Compound Co. ("German-Compound"), 20 N Market, Boston, Mass.
Globe Boiler Compound Co. ("Case"), Binghamton, N. Y.
Grasselli Chemical Co. (Tri-Sodium Phosphate), Guardian bldg, Cleveland, O.
Great Lakes Chemical Wks., Appleton, Wis.
Great Falses Chemical Co., Appleton, Wis.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Griffiths A. J. & Son, 3526 Gtn. av, Phila., Pa.
H. G. Chemical Products Co., Inc., 3778 E 91st, Cleveland, O.
Halsall Geo., Jamestown, N. Y.
Harris A. W. Oil Co., 326 S Water, Providence, R. I.
Hawk-Eye Compound Co., Blue Island, Ill.
Hayner Norman C. Co., Rochester, N. Y.
Ideal Chemical Co., Indianapolis, Ind.
Illinois Boiler Cleaning Compound Co. ("Illinois"), 1338 N La Salle, Chicago, Ill.
Imperial Chemical Co., 514 N American, Phila., Pa.
Indianapolis Chemical Co. ("Acme," "Star"), 1444 Madison av, Indianapolis, Ind.
International Boiler Cleaning Co. ("Scaline"), 343 N Calvert, Baltimore, Md.
International Boiler Compound Co., 144 W Austin av, Chicago, Ill.
**INTERNATIONAL SHIP FITTINGS & SUPPLY CORP.**, 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Ironsides Co. ("Ironsides" Scale Solvent Shield), Columbus, O.
Johnson Compound & Supply Co., Rochester, N. Y.
Keasbey & Mattison Co., Ambler, Pa.
Kelly Graphite Mills ("Kelco" Boiler Graphite), 355 W 26th, New York
Kentucky Consumers' Oil Co., Louisville, Ky.
Keystone Chemical Co., 2222 N Marshall, Phila., Pa.
Keystone Lubricating Co. ("Keystone"), 21st & Clearfield, Phila., Pa.
Kuhne-Libby Co. ("Marvel"), 51 Front, New York
Laboratories (Liquid), 630 Washington, Boston, Mass.
Lake Erie Mfg. Co. ("Red Star"), Buffalo, N. Y.
Lang Chemical Co., 307 Grant River av, Detroit, Mich.
Lewis H. Co. ("Climax"), 832 Washington blvd, Chicago, Ill.
Lord Geo. W. Co., 2238 N 9th, Phila., Pa.
Lubricating Metal Co., 976 Newark av, Jersey City, N. J.
Lux L. A. Co., 2187 E 2d, Cleveland, O.
Lynch-Clarisey Co., 3211 S Wood, Chicago Ill.
Lynch Wm., 32 Bay, Brooklyn, N. Y.
Metaline Chemical Co., 839 Society for Savings bldg, Cleveland, O.
Metlskin Co., Inc. ("Metlskin", 61 Elizabeth, Rochester, N. Y.
Miami Boiler Compound Co., 505 Elm, Cincinnati, O.
Minnesota Boiler Compound Co., 248 Fairfield av, St. Paul, Minn.
Modoc Co., Fernwood, Pa.
Mohawk Refining Co. ("Mohawk"), 1131 W 11th, Cleveland, O.
Moore Vegetable Boiler Purger Co., 35 Bates, Detroit, Mich.
Mueller Boiler Compound Co., 2018 Dupont av, Minneapolis, Minn.
National Mill Supply Co. ("Star"), Fort Wayne, Ind.
Northern Insulating Co. ("Defy Seale"), St. Paul, Minn.
Northrop Lubricating Oil Co. ("Famous"), 308 N Commercial av, St. Louis, Mo.
Nuhring Chas. & Bro. (Alternating), 1212 Walnut, Cincinnati, O.
O'Neil Oil & Paint Co. ("O'Neils"), 297 E Water, Milwaukee, Wis.
Ozark Mfg. Co., 9861 Lorain av, Cleveland, O.
Paige & Jones Chemical Co., 15 E. 40th, New York
Parsons J. H. ("A. B. C." Alkali), 122 S Michigan av, Chicago, Ill.
Patapsco Oil & Grease Co. ("Perfection"), 109 Cheapside, Baltimore, Md.
Perolin Co. of America ("Perolin"), 1112 W 37th, Chicago, Ill.
Preservaline Mfg. Co., 854 Lorimer, Brooklyn N. Y.
Read Edward B., 212 9th, San Francisco, Cal.
Reed & Duecker, Memphis, Tenn.
Reliance Oil & Grease Co., 50 South, New York
Rhoads Irwin G., Manhattan bldg, Phila., Pa.
Riebe Green Soap Co., Seattle, Wash.
Rodgers-Collins Co. ("Arr-An-See"), Pontaic bldg, St. Louis, Mo.
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
*See adv index at end of book*
Schilling Frederick (Paramount), 617 Greenwich, New York
Scribner Boiler Compound Co., 315 N Wood, Chicago, Ill.
Shawmut Chemical Co., 42 Battery Canal, Boston, Mass.
Smith E. A. Hamilton, Ohio
Standard Chemical Corp. ("Protecto"), Kalamazoo, Mich.
Star Lubricating Oil Co. ("Excelsior"), 8714 B'way, Cleveland, O.
Star Oil Co. ("Acme"), 348 N Irving av, Chicago, Ill.
State Mfg. Co. ("Metla Cota"), 3545 E 76th, Cleveland, O.
Sterling Equipment & Supply Co., 315 Cherry, Phila., Pa.
Straus Boilerine Co. ("Boilerine"), 51 Church, New York
Street J. D. & Co. ("Lightning"), 41st & Park, St. Louis, Mo.
Stuart D. A. & Co., 2733 S Troy, Chicago, Ill.
Sullivan Oil Co. ("Sullivan's Economic"), 413 Wells, Chicago, Ill.
Sur-Coat Mfg. Co., 149 Jefferson av, Detroit, Mich.
Swan & Finch Co. ("Katak," "Diamond"), 165 B'way, New York
Teguflim Chemical Mfg. Co. ("Teguflim"), Syracuse, N. Y.
Thompson Walter M., 1427 Plum, Cincinnati, O.
Thomsen Chemical Co. ("Bosalt"), Munsey bldg, Baltimore, Md.
Toledo Boiler Compound Co., 404 Clark, Toledo, O.
U. S. Chemical Co., 3621 Lakeside av, Cleveland, O.
U. S. Graphite Co. (Graphite), Saginaw, Mich.
Wadhams Oil Co. ("Eureka"), 359 Clinton, Milwaukee, Wis.
Warley Thos. C. & Co., 227 S Front, Phila., Pa.
Warren & Bailey Co. ("Acme"), 214 E 3d, Los Angeles, Cal.
Western Boiler Compound & Chemical Co., Gloyd bldg, Kansas City, Mo.
Williams Joseph Co., Sharpsburg, Pa.
Williamson D. D. & Co., 86 Fulton, New York
Winn Wm. R. ("Winn"), 488 Cherry, New York
Winner Co. ("Winner"), 30 Church, New York
Wilson Remover Co., 115 Chestnut, Newark, N. J.
Wisconsin Fdry & Machine Co., Madison, Wis.
World Refining Co., Easton, Pa.
Young Boiler Compound Co., Castasauqua, Pa.
Zurn O. F. Co. ("Peerless"), Broad & Lehigh av, Phila., Pa.

## Boiler Dealers

See Machinery Dealers

## 1006—Boiler Flue Heads & Manholes (Dished, Flanged, Etc.)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Central Iron & Steel Co. (Open Hearth Flanged), Harrisburg, Pa.
Glasgow Iron Co. (Pressed Open Hearth Steel), Pottstown, Pa.
Lukens Steel Co. (Open Hearth Steel), Coatesville, Pa.
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
Scully Steel & Iron Co., 2364 S Ashland av, Chicago, Ill.
Wickes Boiler Co., Saginaw, Mich.
Midvale Steel & Ordnance Co., Widener bldg., Phila., Pa.

## Boiler Flue & Tube Cleaners

See Cleaners, Boiler Flue & Tube

## 1007—Boiler Fronts & Castings

Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Cambridge Iron Works, Cambridge, Mass.
Casey-Hedges Co., Chattanooga, Tenn.
Chickasaw Mach. & Fdry. Co., Memphis, Tenn.
Coatesville Foundry & Machine Co., Coatesville, Pa.
Columbus Iron Works, Columbus, Ga.
Eddy R. M. Fdry. Co., 372 W Grand av, Chicago, Ill.
Erie Engine Works, Erie, Pa.
Farrar & Trefts, Inc., Buffalo, N. Y.
*See adv index at end of book*
Freeman Mfg. Co., Racine, Wis.
Frost Mfg. Co., Galesburg, Ill.
**GODFREY-KEELER CO.**, 70 Warren, New York. *See adv index at end of book*
Grote F. Mfg. Co., Evansville, Ind.
Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Hartley Boiler Works, Montgomery, Ala.

Howell R. R. & Co., 31st av, Minneapolis, Minn.
Ironton Punch & Shear Co., Ironton, O.
**JANNEY & CO.**, Montgomery, Ala.
*See adv index at end of book*
Johnston Bros., Ferrysburg, Mich.
Keeler E. Co., Williamsport, Pa.
Kelly Foundry & Machine Co., Goshen, Ind.
Kenny Boiler & Mfg. Co., 6th & Locust, St. Paul, Minn.
**KUTZTOWN FOUNDRY & MACHINE CO.** (For all Kinds of Boilers), 1421 Chestnut., Phila., Pa.
*See adv index at end of book*
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Marion Foundry Corp., Marion, Ind.
Memphis Machine Works, Memphis, Tenn.
Munroe R. & Sons Mfg. Corp'n, 23d & Smallman, Pittsburgh, Pa.
Murray Iron Works Co., Central av & Washington, Burlington, Ia.
Niver Iron Works Co., Muscatine, Ia.
Patch S. B. & Sons Co., Streator, Ill.
Paxton & Vierling Iron Works, Omaha, Neb.
Pettis W. W. Co. 416-417 First Nat'l Bank bldg, Cincinnati, O.
*See adv index at end of book*
Petty J. K. & Co. (Lebanon Boiler Works), Stephen Girard bldg, Phila., Pa. Works: Lebanon, Pa.
Republic Structional Iron Wks. Co. 1350 E 53d, Cleveland, O.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Scully Steel & Iron Co., 2364 S Ashland av. Chicago, Ill.
Smith Geo. H. Steel Castings Co., 500 Clinton, Milwaukee, Wis.
Southern Boiler & Tank Works, Memphis, Tenn.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Statom Boiler Works, Anniston, Ala.
Stolz Jos. & Sons, Inc. (Steel), 841 E 136th, New York
Thacher Propeller & Foundry Corp., Albany, N. Y.
Toledo Foundry & Machine Co., Toledo, O.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wickes Boiler Co., Saginaw, Mich.

## 1008-9-10—Boiler Heads (Flanged & Dished)

See also Boiler Heads, Pressed Steel

Central Iron & Steel Co. (Pressed Steel), Harrisburg, Pa.
Glasgow Iron Co. (Open Hearth Pressed Steel), Pottstown, Pa.
Keeler E. Co., Williamsport, Pa.
Kittoe Boiler & Tank Co. Inc., Canton, O.
Knox Pressed & Welded Steel Co., Pittsburgh, Pa.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Lukens Steel Co. (Open Hearth Steel), Coatesville, Pa.
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Scully Steel & Iron Co., 2364 S Ashland av, Chicago, Ill.
Standard Boiler & Plate Iron Co. (Up to 96 in. Dia), Niles, O.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.

## 1011—*Boiler Mountings (For Portable Boilers)

**ELECTRIC WHEEL CO.**, Station D, Quincy, Ill. *See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 1012—*Boiler Purifying Apparatus

Graver Corp., E. Chicago, Ind.
*See adv index at end of book*

**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 1013—Boiler Saddles (Pressed Steel)

Castle A. M. & Co., 715 N Morgan, Chicago, Ill.
Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
Lukens Steel Co. ("Huston" Weldless), Coatesville, Pa.
Wickes Boiler Co., Saginaw, Mich.

## 1013a—*Boiler Salt Detectors

McNab Co. ("Simplex"), Bridgeport, Conn.
*See adv index at end of book*

## 1014—Boiler Settings (Steel)

Casey-Hedges Co., Chattanooga, Tenn.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Rust Engineering Co., Farmers Bk. bldg, Pittsburgh, Pa.
Southern Boiler & Tank Works Co., Memphis, Tenn.
Stolz Jos. & Sons, Inc., 841 E 136th, New York
Tomahawk Steel & Iron Works ("Ashley" Improved), Tomahawk, Wis.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wickes Boiler Co., Saginaw, Mich.

## 1015—Boiler Shells (Automobile)

American Welding Co. (Seamless Welded), Carbondale, Pa.
Pressed Steel Tank Co. (Seamless Steel), 58th & Greenfield av, Milwaukee, Wis.
Randolph-Clowes Co. (Copper), Waterbury, Conn.

## 1016— Boiler Stands (Range)

Advance Mfg. Co., Erie, Pa.
Bignall Co., Medina, N. Y.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co. ("Murphy," "Universal" & "Lockwood"), 90 West, New York
Crestline Mfg. Co. (Cast Iron), Crestline, O.
Early Foundry Co. (Knock-Down), Dickson City, Pa.
Essex Foundry, Murray, Newark, N. J.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Gregory Thos. Galvanizing Works (Galvanized), 263 N Henry, Brooklyn, N. Y.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Hugo Mfg. Co. ("Hawks"), Duluth, Minn.
Kupferle John C. Foundry Co., 1st & Wright, St. Louis, Mo.
Lawler Regulator Co. (Adjustable), 55 W Houston, New York
Mechanicville Specialty Supply Mfg. Co., Mechanicville, N. Y.
Modern Iron Works ("M. I. W."), Quincy, Ill.
Scaife Wm. B. Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Swett A. L. Iron Works, Medina, N. Y.

## 1017—Boiler Washing & Testing Apparatus & Systems

Miller F. W. Heating Co., McCormick bldg, Chicago, Ill.
Nathan Mfg. Co., 416 E 106th, New York
National Boiler Washing Co., Ry Exch bldg, Chicago, Ill.
Rue Mfg. Co., 228 Cherry, Phila., Pa.
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 1018— Boilers (Automobile)

Murray & Tregurtha Co. (Water Tube), 340 W 1st, Boston, Mass.
Otis Boiler Co., Inc. ("Otis"), 335 W 1st, Oswego, N. Y.
Pressed Steel Tank Co. (Pressed Steel), 58th & Greenfield av, Milwaukee, Wis.
**SCAIFE WM. B. & SONS Co.**, First National Bank bldg., Pittsburgh, Pa. & 26 Cortlandt, New York

Steam Carriage Boiler Co. (Also for Yachts), Oswego, N. Y.

## Boilers (Bath)

See Boilers, Range, Galvanized Iron

## 1019— Boilers (Bleaching)

**BIGGS BOILER WORKS CO.** (Rotary Globe & Cylinder), Case av & Williams, Akron, O.
*See adv index at end of book*
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.

## 1020—*Boilers (Car Heating)

Otis Boiler Co., Inc., ("Otis"), 335 W 1st Oswego, N. Y.
*See adv index at end of book*

## 1020a—Boilers (Down Draft)

American Radiator Co. ("Ideal," "Arco"), 820 S Michigan av, Chicago, Ill.
Gurney Heater Mfg. Co. ("Gurney"), 188 Franklin, Boston, Mass.
Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
Molby E. C., 101 Park av, New York
Peerless Heater Co., 5602 Baum blvd, Pittsburgh, Pa.
Surrell Down Draft Boiler Co., 101 Park av, New York

## 1021-2—Boilers (Egg, Automatic)

Berger & Hawden Mfg. Co., ("Baby Grand" Folding) Homestead, Pa.
Curtis, Espy & Co. ("Curtis Eggsactly"), 158 N Ashland blvd, Chicago, Ill.

## 1023-4-5— Boilers (Farm)

Bovee Furnace Works ("Kaiser"), Waterloo, Ia.
Buch's A. Sons Co. ("Farmers' Friend"), Elizabethtown, Pa.
Donaldson Bros. ("Donaldson"), Mt. Clemens, Mich.
Eddy W. Plow Co. ("Eddy"), Greenwich, N. Y.
Freeland Steel Tank Co. ("Freeland"), Portage, Wis.
Gehl Bros. Mfg. Co. ("Gehl"), West Bend, Wis.
Heesen Bros. Co. ("Heesen"), Tecumseh, Mich.
Heller-Aller Co., Napoleon, O.
Holt Mfg. Co. ("Holt"), Stockton, Cal.
Leffel James & Co. ("Leffel"), East St., Springfield, O.
Moore Plow & Implement Co. ("Moore"), Greenville, Mich.
Sperry D. R. & Co. ("Sperry"), Batavia, Ill.
Wickes Boiler Co., Saginaw, Mich.

## 1026— Boilers (Gas Fired)

Eclipse Fuel Engineering Co. ("McKee" Automatic, ¾ to 12 H. P.), 100 Forbes, Rockford, Ill.
Heating Engineers Supply Co., 421 Wood bldg, Pittsburgh, Pa.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Otis Boiler Co. ("Otis"), 335 W 1st, Oswego, New York.
Springfield Boiler Co., Springfield, Ill.

## 1027— Boilers (Ham)

Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Indiana Hollow Ware Co. (Cast Iron Underground or Enameled), Jeffersonville, Ind.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Sperry D. R. & Co., Batavia, Ill.

## 1027a— Boilers (Heating)

Keeler E. Co. ("Keeler" Low Pressure Sectional), Williamsport, Conn.

## 1027b—Boilers (Heating & Water Supply)

See also Heater, Steam & Hot Water

American Radiator Co., 816 S Michigan av, Chicago, Ill.
Charleston Iron Works, Charleston, S. C.
Scaife Wm. B. Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

## Boilers (House Heating)

See Heaters, Steam & Hot Water

### 1028—Boilers (Locomotive, Fire Box)

**AMES IRON WKS.,** Oswego, N. Y.
Brennan Jno. & Co. ("Detroit"), 24th & M. C. R. R., Detroit, Mich.
Bros Wm. Boiler & Mfg. Co., Nic Island, Minneapolis, Minn.
Brownell Co., Dayton, O.
Casey-Hedges Co., Chattanooga, Tenn.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Connelly D. Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.
Davenport Locomotive Works (High Pressure), Davenport, Ia.

**DOVER BOILER WORKS,** Sales offices: 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Fairbanks Steam Shovel Co., Marion, O.
Farquhar A. B. Co., Ltd., York, Pa.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*

**GODFREY-KEELER CO.,** 70 Warren, New York *See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Houston, Stanwood & Gamble Co., 3rd & Phila., Cincinnati, O.
Johnston Bros., Ferrysburg, Mich.
Kewanee Boiler Co., Kewanee, Ill.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Murphy Timothy Iron Works, Jacksonville, Fla.
**Murray Iron Works Co., Burlington, Ia.**
Nagle Engine & Boiler Works, Erie, Pa.
O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
Oil City Boiler Works, Oil City, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pennsylvania Boiler Works, Erie, Pa.
Smith Samuel & Son Co., Paterson, N. J.
Star Drilling Machine Co., Akron, O.
**Titusville Iron Co. ("Acme"), Titusville,** Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wickes Boiler Co., Saginaw, Mich.

## Boilers (Low Pressure)

See Heaters, Steam & Hot Water

### 1029— Boilers (Marine)

See also Boilers, Tubular

Almy Water Tube Boiler Co., 184 Allens av, Providence, R. I.
American Boiler Works, Erie, Pa.
Astoria Marine Iron Wks., Astoria, Ore.
Atlantic Works, 80 Border, E Boston, Mass.

**BABCOCK & WILCOX CO.,** 85 Liberty, New York
Bath Iron Works, Ltd., Bath, Me.
Beggs, James & Co., 30 Warren, New York
*See adv index at end of book*
Boom Boiler & Welding Co., 1615 Merwin av, Cleveland, O.
Boston Engineering Co., 308 Atlantic av, Boston, Mass.
Brennan John & Co., 24th & M. C. R. R., Detroit, Mich.
Cahill W. S. Co., Key, Highway & Webster, Baltimore, Md.
Camden Anchor-Rockland Machine Co., Rockland, Me.
Casey-Hedges Co. (Scotch, Leg & Special), Chattanooga, Tenn.
Central Boiler Works, 1297 Russell, Detroit, Mich.
Charleston Dry Dock Machine Co., Charleston, S. C.
Charleston Iron Works, Charleston, S. C.
Codd E. J. Co., 700 S Caroline, Baltimore, Md.
Columbiana Boiler Co., Columbiana, O.
Cramp Wm. & Sons Ship & Engine Building Co., Beach & Ball, Phila., Pa.
De Pere Mfg. Co., West De Pere, Wis.
Detroit Shipbuilding Co. (Scotch & Fire Box), Brass Dept., ft. Orleans, Detroit, Mich.

**DOVER BOILER WORKS,** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dubuque Boat & Boiler Works, Dubuque, Iowa
Duncan Co., The (Steam), 508 Water, Toledo, O.
Fairbanks Steam Shovel Co. (Scotch Type), Marion, O.
*See adv index at end of book*
Farrar & Trefs, Inc., Buffalo, N. Y.
Fitzgibbon Boiler Co. (Vertical), Oswego, N. Y.
Fletcher W. & A. Co., Hoboken, N. J.
**Fore River Shipbuilding Corp., Quincy,** Mass.
Foster Marine Boiler Corp., 111 B'way, New York
Freeman Mfg. Co., Racine, Wis.
Gas Engine & Power Co., & Chas L. Seabury & Co., Morris Heights, New York
Gem City Boiler Co. (Internal Furnace), Dayton, Ohio
Gillie Machine Co., Tonawanda, N. Y.

**GODFREY-KEELER CO.,** 70 Warren, New York. *See adv index at end of book*
Great Lakes Engineering Works, Real Estate Ex. bldg., Detroit, Mich.
Harlan & Hollingsworth Corp., ft of West, W'lmington, Del.
Hartley Boiler Works, Montgomery, Ala.
Heine Safety Boiler Co., Phoenixville, Pa.
Heipershausen Bros., 43 Tomkins, New York
Hodge Boiler Works, 99 Summer, E Boston, Mass.
Houston, Stanwood & Gamble Co., 3rd & Phila., Cincinnati, O.
International Boiler Works Co., East Stroudsburg, Pa.
Ironton Punch & Shear Co. (River Only), Ironton, O.
Jackson & Church Co., Saginaw, Mich.
Johnston Bros., Ferrysburg, Mich.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Lake Erie Boiler Wks., Cleveland, O.
Lauson J. Mfg. Co., New Holstein, Wis.
Leslie, Elliott & Co., Paterson, N. J.
Logan Iron Works, 54 Commercial, Brooklyn, N. Y.
McIlvain & Spiegel Boiler & Tank Co., Lawrence & Pearl, Cincinnati, O.
Manistee Iron Works Co., Manistee, Mich.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Manitowoc Engineering Works (Scotch, Dry & Tubular), Manitowoc, Wis.
Merrill-Stevens Shipbuilding Corp., Jacksonville, Fla.
Morris I. P. Co., Richmond & Norris, Phila., Pa.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Murphy Timothy Iron Works, Jacksonville, Fla.
Murray Iron Works Co. (Tubular & Internal Furnace, etc), Central av & Washington, Burlington, Ia.
New London Marine & Iron Works, New London, Conn.
New York Engng. Co., 2 Rector, New York
New York Shipbuilding Co., Camden, N. J.
Oil City Boiler Works, Oil City, Pa.
Oldman Boiler Works (Upright), 38 Illinois, Buffalo, N. Y.
Optenberg Iron Works, Sheboygan, Wis.
Pacific Marine Iron Works, E Water & Main, Portland, Ore.
Perth Amboy Dry Dock Co., Perth Am-Boy, N. J.
Phoenix Iron Works Co., Meadville, Pa.
Portland Co., Portland, Me.
Puget Sound Boiler Depot, 318 1st av S, Seattle, Wash.
Pusey & Jones Co., Wilmington, Del.
Quintard Iron Works Co., 742 E 12th, New York
Roberts Safety Water Tube Boiler Co., 39 Cortlandt, N. Y.
Rodgers Boiler & Burner Co. (Internally Fired), Muskegon, Mich.
Seattle Boiler Works, Ballard, Seattle, Wash.
Shewan James & Son, 1 B'way, New York
Smith Samuel & Son Co., Paterson, N. J.
Spedden Shipbuilding Co., Boston & Kenwood, Baltimore, Md.
Speirs Bros., New London, Conn.
Sprenger Joseph & Sons, 1186 W. Jefferson av, Detroit, Mich.
Springfield Boiler Co., Springfield, Ill.
Stern Foundry & Machinery Co., 1630 Annunciation, New Orleans, La.
Townsend Iron Works, ft. Columbia, Brooklyn, N. Y.

**VULCAN IRON WORKS, INC.,** Hudson & Essex, Jersey City, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Waterloo Steam Boiler Works, Waterloo, Ia.
Wickes Boiler Co., Saginaw, Mich.
Willamette Iron & Steel Works (Scotch), Portland, Ore.
Woodman Andrew W. & Co., West De Pere, Wis.

### 1030—Boilers (Oil Well Drilling)

Columbiana Boiler Co., Columbiana, O.

**FARRAR & TREFTS, INC.,** Buffalo, N. Y.
*See adv index at end of book*
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*

**LUCEY MFG. CORP.,** 233 B'way, New York
*For branch offices see Alphabetical Section*
National Supply Co. (Oil), Union Bank bldg, Pittsburgh, Pa.

### 1031—Boilers (Portable, on Wheels)

Byers Jno. F. Machine Co. (Vertical), 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Casey-Hedges Co., Chattanooga, Tenn.
Chandler & Taylor Co., Indianapolis, Ind.
Columbiana Boiler Co., Columbiana, O.
Farrar & Trefts, Inc., Buffalo, N. Y.
*See adv index at end of book*
Frick Co., Waynesboro, Pa.

**GODFREY-KEELER CO.** ("Cornish"), 70 Warren, New York
*See adv index at end of book*
Houston, Stanwood & Gamble Co., 3rd & Phila., Cincinnati, O.
Leffel James & Co., East Springfield, O.
**Lucey Manuf. Corp.,** 233 B'way, New York
*For branch offices see Alphabetical Section*
**Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.**
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Producers Supply Co., Franklin, Pa.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Taylor Iron Works & Supply Co. (Internal Fired), Macon, Ga.
Titusville Iron Co., Titusville, Pa.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Warren City Tank & Boiler Co., Warren, O.
Wickes Boiler Co., Saginaw, Mich.

### 1031a— Boilers (Power)

Murphy Timothy Iron Works, Jacksonville, Fla.

### 1032—Boilers (Range, Copper)

**BADGER E. B. & SONS CO.,** 75a Pitts, Boston, Mass.
*See adv index at end of book*
Blessing C. A., 516 Montgomery av, Phila., Pa.
Boston Copper Works Co., E. Boston, Mass.

**DAHLQUIST MFG. CO.** ("Boston"), 40 W 3d, S Boston, Mass.
*See adv index at end of book*
Engelhard Frank & Sons, 200 Franklin, Springfield, Mass.
Gerstein Bros. & Cooper, 3 W 3d, S Boston, Mass.
Hayes Mfg. Co. ("Wilhelme," "Modern" & "Manhattan"), Paterson, N. J.
Moriarty G. J., 28 Harvard, Boston, Mass.
Mott J. L. Iron Works ("No-Seam"), Trenton, N. J.
Randolph-Clowes Co. ("Brown Bros." "Seamless"), Waterbury, Conn.
Trageser John Steam Copper Works, 447 W 26th, New York

### 1033—Boilers (Range, Galvanized Iron)

Aird-Don Co. ("Trojan"), Troy, N. Y.
Anderson Engineering & Supply Co., Peekskill, N. Y.
Cahill, Swift Mfg. Co. ("Crescent"), 1112 Market, St. Louis, Mo.
Carroll Patrick & Son, 1406 Fairmount av, Phila., Pa.
Case W. A. & Sons Mfg. Co. (Welded), Buffalo, N. Y.

Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Detroit Range Boiler & Steel Barrel Co. ("Star"), 619 24th, Detroit, Mich.
Economy Heater Co., 108 S La Salle, Chicago, Ill.
Fleck Bros Co. ("Never Leak"), 44 N 5th, Phila., Pa.
Haines, Jones & Cadbury Co. ("Hajoca," "Leader," "Pointer," "Quaker City"), 1136 Ridge av, Phila., Pa.
Harney Wm., 1349 N Warnock, Phila., Pa.
Heller, Aller & Co., Napoleon, O.
Hibbs E. A., Bread & Quarry, Phila., Pa.
Johnson J. D. Co., 43 Boerum pl, Brooklyn, N. Y.
**KOVEN L. O. & BROS.** (& Steel), 154 Ogden av, Jersey City N. J.
*See adv index at end of book*
Mott J. L. Iron Works, Trenton, N. J.
Oil City Boiler Wks. (Smoke), Oil City, Pa.
Peerless Range Boiler Corp., 108 S La Salle, Chicago, Ill.
Pennsylvania Range Boiler Co., 2024 N 10th, Phila., Pa.
Riverside Boiler Works, Cambridge, Mass.
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Thompson Iron Works, 1825 Callowhill, Phila., Pa.
Trageser John Steam Copper Works ("Graves") 447 W 26th, New York
Victor Combination Kitchen Boiler Co., 4th & Washington, Oakland, Cal.
Walls, Owen & Stambach Co. ("Ajax," "Kineo," "Monitor"), 11th & Hamilton, Phila., Pa.
Whitaker-Glessner Co. (Steel), Portsmouth, O.
Wolff Mfg. Co. ("Duro"), 252 N Hoyne av, Chicago, Ill.
Wood John Mfg. Co. (Electric Welded Seamless), Conshohocken, Pa.

## 1034—Boilers (Return Tubular)

**AMES IRON WORKS**, Oswego, N. Y.
Bass Foundry & Machine Co. Fort Wayne, Ind.
**BEGGS JAMES & CO.**, 30 Warren, New York. *See adv index at end of book*
Bigelow Co., New Haven, Conn.
Brownell Co., Dayton, O.
Casey-Hedges Co., Chattanooga, Tenn.
Charleston Dry Dock & Machine Co., Charleston, S. C.
**COATESVLLE BOILER WORKS**, Coatesville, Pa.
Codd E. J. Co., 700 S Caroline, Baltimore, Md.
Cole R. D. Mfg. Co., Newnan, Ga.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
**DOVER BOILER WORKS**, Sales Offices: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Erie City Iron Works ("Economic," Horizontal), Erie, Pa.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Farrar & Trefts, Inc., Buffalo, N. Y.
*See adv index at end of book*
Freeman Mfg. Co., Dept. O., Racine, Wis.
Gem City Boiler Co., 331 Leo, Dayton, O.
**GERDES & CO.**, 42 Church, New York
*See adv index at end of book*
**GODFREY-KEELER CO.**, 70 Warren, New York *See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Houston, Stanwood & Gamble Co., 3rd & Phila., Cincinnati, O.
International Boiler Works Co., East Stroudsburg, Pa.
Keeler E. Co. ("Keeler"), Williamsport, Pa.
Kensington Engine Works Co., Beach & E Berks, Phila., Pa.
Kewanee Boiler Co., Kewanee, Ill.
Lebanon Boiler Works, Lebanon, Pa.
Leffel James & Co., East Springfield, O.
Leslie, Elliott & Co., Paterson, N. J.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McCabe E. & Co., Lawrence, Mass.
Main Iron Works (Horizontal), 16th & Daggett, San Francisco, Cal.
Manitowoc Boiler Works Co., Manitowoc, Wis.
Murphy Timothy Iron Works, Jacksonville, Fla.
Ocean Shore Iron Works, 550 8th, San Francisco, Cal.
*See adv index at end of book*

**Ocean Shore Iron Works**
550 8th St., San Francisco, Cal.
Dealers of
**HORIZONTAL RETURN TUBULAR BOILERS, Etc.**

Pennsylvania Boiler Works, Erie, Pa.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Puget Sound Machinery Depot, 318 1st av, Seattle, Wash.
Rust Engineering Co., Keenan bldg, Pittsburgh, Pa.
Smith Samuel & Son Co., Paterson, N. J.
Springfield Boiler Co., Springfield, Ill.
Topeka Steam Boiler Works, Topeka, Kansas.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Waterloo Steam Boiler Works, Waterloo, Ia.

## 1035—*Boilers (Rotary Bleaching)

**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*

## 1036— Boilers (Steam

See also Boilers, Tubular; also Boilers, Water Tube; also Heaters, Steam & Hot Water
Houston, Stanwood & Gamble Co., 3rd & Phila., Cincinnati, O.
Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.
Page Boiler Co. (Water Tube for High Pressure), 817 Larrabee, Chicago, Ill.
*See adv index at end of book*

## 1037—Boilers (Steam, Seamless Welded)

American Welding Co., Carbondale, Pa.
Koven L. O., & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Murphy Timothy Iron Works, Jacksonville, Fla.

## 1038—Boilers (Truck & Tractor)

See also other Boiler Headings
Otis Boiler Co., Inc., 335 W. 1st, Oswego, N. Y.

## 1039— Boilers (Tubular)

See also Boilers, Water Tube; also Heaters, Steam & Hot Water

### ALABAMA.

ANNISTON—Statom Boiler Works
BIRMINGHAM—Crawford-Vaughn Boiler & Locomotive Works
Webber Iron Works
MONTGOMERY—Hartley Boiler Works
SELMA—Union Iron Works Co.

### ARKANSAS.

FORT SMITH—Breslin Boiler & Iron Works
Ketcham Iron Co.

### CALIFORNIA.

CHICO—Diamond Match Co. (Engineering Dept)
COALINGA—Crescent Iron Works
LOS ANGELES—Baker Iron Works
Fulton Engine Works
Pioneer Boiler & Machine Works
OAKLAND—United Iron Works
Moore Ship Building Co.
SACRAMENTO—Phoenix Iron & Boiler Works
SAN FRANCISCO—Bay City Iron Works, 1243 Harrison
California Boiler Works, 526 Howard
Eureka Boiler Works Co. (Marine, Stationary & Locomotive), 166 Fremont
Hendy Joshua Iron Works, 75 Fremont
Keystone Boiler Works, 163 Main
Moore Ship Building Co., 678 2nd
Moynihan T. J. & Co., 401 Folsom
Ocean Shore Iron Wks., 550 8th
*See adv index at end of book*
STOCKTON—Stockton Iron Works

### COLORADO.

BLACK HAWK—Stroehle Machinery & Supply Co.
DENVER—Denver Engineering Works Co.
McFarlane Mfg. Co.
Stearns-Roger Mfg. Co.
PUEBLO—Pueblo Foundry & Machine Co.

### CONNECTICUT.

BRIDGEPORT—Bridgeport Boiler Works Co. ("Lowe")
Conn. Marine Boiler Works (B. M. Brennan, Prop.)
McCathron Boiler Works Co.
Porcupine Co.
HARTFORD—Beach H. B. & Son
NEW HAVEN—Bigelow Co. (Horizontal Upright Return Tubular & Manning Vertical)
New Haven Boiler Works (Sullivan & Hennessy, Prop'rs)
NEW LONDON—Speirs Bros.
PUTNAM—Putnam Foundry & Machine Co.

### DELAWARE.

WILMINGTON—Harlan & Hollingsworth Corp. (Marine), ft of West

### DISTRICT OF COLUMBIA.

WASHINGTON—Hurley John E., 1219 Ohio av

### FLORIDA.

JACKSONVILLE — Merrill-Stevens Shipbuilding Corp.
ORLANDO—Cain-O'Berry Boiler Co.
TAMPA—Gulf Boiler Works

### GEORGIA.

ATLANTA—Finnigan J. J. & Co.
AUGUSTA—Lombard Iron Works & Supply Co.
COLUMBUS—Columbus Iron Works (Jobbers)
MACON—Schofield's J. S. Sons Co.
Taylor Iron Works & Supply Co.
NEWNAN—Cole R. D. Mfg. Co. (Return Tubular)
SAVANNAH—Kehoe Iron Works (Jobbers)
Mingledorff & Co.
Rourke John & Sons

### ILLINOIS.

AURORA—Fox River Boiler & Iron Works
BELLEVILLE—Southern Boiler Works (Isselhardt & Son, Prop'rs)
CHICAGO—Abendroth & Root Mfg. Co. ("Root") (of Newburgh, N. Y., Monadnock blk
Chicago Ship Building Co. (Marine, etc), 101st & Calumet River
Corbett Geo. E. & Co., 1336 Cortland
Downey T. F., Boiler Works, 323 W Austin av, Chicago, Ill.
*See adv index at end of book*
Frank R. E. Steam Boiler Co., 6714 S Chicago av
Grand Crossing Boiler Works, 1244 E 73d
Haffner Chas. Co., 2246 S Halsted
Hawkes Boiler Co., 140 S Dearborn
Herbert Boiler Co., 140 Root
Hibben & Co., 9376 Ewing av
Kroeschell Bros. Co. (Water Tube, Horizontal Return Tubular, Fire & Water Tube), 440 W Erie
McFarland Bros., 5527 S State
Marine Iron Works, 2036 Dominick
**MOHR JOHN & SONS**, 349 W Illinois
Page Boiler Co., 817 Larrabee
*See adv index at end of book*
Pratt Henry Co., 2222 S Halsted
Ross Boiler Co., 3600 Shields av

ILLINOIS—Chicago—continued
Sharkey & Peck, 2433 W 18th
Superior Machine & Boiler Works, 848 W Superior
Wachs E. H. Co., 1525 Dayton
Wildman Boiler Works, 3026 Carroll av
CHICAGO HEIGHTS—Chicago Heights Boiler Works
DANVILLE—Chesley J. L.
GALESBURG—Frost Mfg. Co. (Horizontal & Vertical Tubular)
JACKSONVILLE—Kellogg Bros. & Co.
JOLIET—Heggie James G. & Sons
Heggie Wm.
KEWANEE—Kewanee Boiler Co.
MOLINE—Schillinger A. J. & J. G.
PEORIA—Cody Jos. & Sons.
Forbes Boiler & Iron Works
QUINCY—Michelmann Steel Construction Co.
SPRINGFIELD—Springfield Boiler Co.
STREATOR—Jones Wm. B. Boiler Co.

## INDIANA.

ALEXANDRIA—Wells Harry M.
BRAZIL—Vanes John Boiler Works Co.
ELWOOD—Diamond L. J.
EVANSVILLE—Holtz F. Co.
FORT WAYNE—Bass Foundry & Machine Co. (Horizontal, Tubular & Water Tube)
INDIANAPOLIS—Chandler & Taylor Co. (Tubular, Upright & Firebox)
Connaughton John P., 540 S Capitol av
Kennedy P. W., 1201 Beecher
National Boiler & Sheet Iron Works
Sinker-Davis Co.
JEFFERSONVILLE—Sweeney M. A. Shipyard & Foundry Co.
LA PORTE—Rumley Lco. Tractor Co.
MADISON—Henry Chas.
Johnson Foundry & Machine Shops
MARION—Superior Boiler Works
MUNCIE—Broderick Co.
Muncie Boiler & Sheet Iron Works
NEW ALBANY—Hegewald Chas. Co.
Zier Boiler & Sheet Iron Co.
TERRE HAUTE—Phoenix Boiler Works Co.
Terre Haute Boiler Works Co.

## IOWA.

BURLINGTON—Murray Iron Works Co. (Tubular & Internal Furnace, etc), Central av & Burlington
CLINTON—Cullen Co.
DAVENPORT—Grupe John P.
DES MOINES—Globe Machinery & Supply Co.
Iowa Boiler Works (James Owens & Sons, Props.)
McDonnell Boiler & Iron Works
DUBUQUE—Marshall Wm.
MUSCATINE—Garren & Hines
OTTUMWA—McDaniel C. E.
Ottumwa Iron Works
WATERLOO—Waterloo Steam Boiler Works

## KANSAS.

ENTERPRISE—Ehrsam J. B. & Sons Mfg. Co.
KANSAS CITY—Kaw Boiler Works Co.
TOPEKA—Bromich Joseph
Topeka Steam Boiler Works.
WICHITA—Guldaman & Son

## KENTUCKY.

LEXINGTON—Lexington Engine & Boiler Works
LOUISVILLE—American Iron Works
Vogt Henry Machine Co., Inc.
Walton C. J. & Son

## LOUISIANA.

DONALDSONVILLE—Schroeder A. J.
JEANERETTE—Jeffrey Daniel & Sons
NEW ORLEANS—Dussell, Alex Iron Wks. Co., 416 Erato
Johnson Iron Works (Ltd.), Morgan & Sequin
New Orleans Boiler Works (Jno. H. Murphy, Prop.), 643 Magazine
SHREVEPORT—Parsons P.
THIBODAUX—Thibodaux Boiler Works Co., Ltd.

## MAINE.

BANGOR—Union Iron Works
BATH—Bath Iron Works, Ltd.
CAMDEN—Camden Anchor-Rockland Machine Co. (Marine, etc)
HALLOWELL—Fuller's, Geo. Sons
PORTLAND—Estle & O'Brien Boiler Co.
Portland Co. ("Manning," "Dean" Marine & Stationary, Internally Fired)

## MARYLAND.

BALTIMORE—Baltimore Dry Dock & Ship Bldg. Co. (Marine Scotch Pattern), ft East Fort av
Cahill W. S. Co., Key Highway & Webster
Codd E. J. Co., 700 S Caroline
Fluskey J. B., Pier 4, Pratt
McIntyre & Henderson, 821 Key Highway
McNamara Bros. Co., Westport
Marine Engine & Boiler Co., Philpot & Point
Novelty Steam Boiler Works (Triplett & Jennings, Props.) (Stationary & Marine), 917 S Howard
Spedden Ship Building Co. (Marine, etc), Boston & Kenwood
CUMBERLAND—McKaig Merwin

## MASSACHUSETTS.

BOSTON—Atlantic Works, 80 Border, E Boston
Bertelsen & Petersen Engineering Co., 256 Border
Boston Engineering Co., 308 Atlantic av
Hodge Boiler Works (Marine & Stationary), 99 Sumner, E. B.
Mason, Marcus & Co., Inc. ("Hercules"), 210 Devonshire
Minton Richard, 119 Sumner, E B
New England Iron Works Co., Summer
Russell Daniel Boiler Works, 93 Boston
Russell James Boiler Works Co., 307 C
CAMBRIDGE—Cambridge Iron Works
Roberts Iron Works Co.
Robinson A. F. Boiler Works
FALL RIVER—Fall River Boiler Works
FITCHBURG—Dillon D. M. Steam Boiler Works
FRAMINGHAM—International Engineering Works, Ltd. (Locomotive Fire Box Portable Internally Fired, etc)
HOLYOKE—Walsh's Holyoke Steam Boiler Works
LAWRENCE—McCabe E. & Co.
Staffard Wright & Son
LOWELL—Scannell Boiler Works
NEW BEDFORD—New Bedford Boiler & Machine Co.
QUINCY—Fore River Shipbuilding Corp. (Marine, etc)
SPRINGFIELD—Walsh's Boiler & Iron Works
WORCESTER—Allen Wm. Sons Co.
Stewart Boiler Works

## MICHIGAN.

BAY CITY—Bay City Iron Co.
CHEBOYGAN—Schwartz Bros. & Co.
DETROIT—Brennan John & Co., 24th & M C R R
Central Boiler Works, 1297 Russell
Detroit Ship Building Co. (Marine), ft. Orleans
Great Lakes Engineering Works (Marine), Real Estate Ex. bldg
Sprenger Joseph & Sons, 1186 W. Jefferson av
FERRYSBURG—Johnston Bros.
GRAND RAPIDS—Central Boiler & Supply Co.
Leitelt Adolph Iron Works
ISHPEMING—Cole W. T.
JACKSON—Crowley Boiler Works
KALAMAZOO—Clark Engine & Boiler Co. (Horizontal & Vertical)
Dutton C. H. Co.
MANISTEE—Manistee Iron Works Co
MENOMINEE—Fernstrum Frank G
MUSKEGON—Muskegon Boiler Works (Also Marine)
Rodgers Boiler & Burner Co.
OWOSSO—Owosso Boiler Works
SAGINAW—Bartlett A. F. & Co.
Jackson & Church Co.
Wickes Boiler Co.
ST. JOHNS—Richmond & Holmes

## MINNESOTA.

DULUTH—**CLYDE IRON WORKS SALES CO.** (Vertical)
*See adv index at end of book*
Gogebic Steam Boiler Works
Mesaba Boiler & Mfg. Co.
FERGUS FALLS—Fergus Iron Works Co.
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—Bros Wm. Boiler & Mfg. Co., Nic Island
Diamond Boiler Works, 2200 N 1st
ST. PAUL—Kenny Boiler & Mfg. Co., 6th & Locust
Robertson J. G., 2542 University av
St. Paul Boiler & Mfg. Co. (Tubular) Water & Walter
THIEF RIVER FALLS—Johnson Peter
WINONA—Winona Boiler Co.

## MISSISSIPPI.

CORINTH—Adams W. T. Machine Co.
VICKSBURG—Robinson B. J.

## MISSOURI.

JOPLIN—United Iron Works Co.
KANSAS CITY—City Boiler & Machine Co., 939 W 8th
Geis Gustave
United Iron Works, Inc.
ST. JOSEPH—Augustine T. C.
Geis & Bichler Mfg. Co.
ST. LOUIS—Continental Boiler & Sheet Iron Works, 1218 S Vendeventer av
Fritz Geo. J. Foundry & Machine Co. (Upright), 2018 S 3rd
Nooter Jno. Boiler Works Co., 1400 S 2nd
O'Brien John Boiler Works Co., 11th & Mullanphy
Rohan John A. Boiler Works Co., 918 La Beaume
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av
Wangler Joseph F. Boiler & Sheet Iron Works, Federal Reserve Bk bldg.

## MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Western Iron Works

## NEBRASKA.

FREMONT—Fremont Foundry & Machine Co.
LINCOLN—McAlpine A.
OMAHA—Drake-Williams-Mount Co.

## NEW HAMPSHIRE.

NASHUA—Nashua Steam Press & Boiler Wks.

## NEW JERSEY.

BAYONNE—Babcock & Wilcox Co. (See New York City)
CAMDEN—New York Shipbuilding Co. (Marine)
Camden Boiler Wks., Inc.
DOVER—**DOVER BOILER WORKS.**
*See adv index at end of book*
EAST ORANGE—Lippincott A. C. (High Pressure)
**ELIZABETH—Elizabeth Machine & Iron Works**
HOBOKEN—Fletcher W. & A. Co. (Marine, etc)
JERSEY CITY—Griscom-Russell Co. (Repairs & Installations also), 72 York *See adv index at end of book*
McLaughlin Thomas, 53 Essex
Smith Theo. & Sons Co. (Stationery, Marine & Return Tubular), ft Essex
NEWARK—Bradley John, 317 Ferry
Gumz Herman Boiler Works, 7 Greenwood Lake R R av
Hewes & Phillips Iron Works, 8 Orange
McCabe Boiler Works, 195 Commerce
NEW BRUNSWICK—Prospect Boiler Co.
PATERSON—East Jersey Pipe Corp.
Leslie, Elliott & Co.
Smith Samuel & Son, 130 R R av
PERTH AMBOY—Perth Amboy Dry Dock Co. (Marine or Stationary)
PHILLIPSBURG—Tippett & Wood
RED BANK—Roberts Safety Water Tube Boiler Co.

### NEW YORK.

ALBANY—Nicholson Aaron
Skinner & Arnold
AMSTERDAM—Collins J. H. Boiler Co.
BINGHAMTON—Shapley & Wells
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Cousins J. D. & Son Boiler Works, 326 Hopkins & 74 Wabash
*See adv index at end of book*
Farrar & Trefts, Inc.
*See adv index at end of book*
Howard Bros. Boiler Works, 23 Indiana
Oldman Boiler Works, 38 Illinois
Tashenberg Bros., 43 Illinois
CLYDE—Wood S. W. Engine Co.
ELMIRA—Elmira Boiler & Iron Works
GENEVA—Geneva Boiler Works
GREEN ISLAND—Pinkerton Rachael (Estate of)
HUDSON—Delaney M. B.
JAMESTOWN—Jamestown Boiler Works
KINGSTON—Cullum J. & Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)
MORRIS HEIGHTS—Gas Engine & Power Co. & Chas. L. Seabury Co. (Marine & Stationary)
NEWBURGH—**ABENDROTH & ROOT MFG. CO.** ("Root")
*See adv index at end of book*
Delany P. & Co. (Marine, etc)

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Atlantic Basin Iron Works, 168 Van Brunt
Cunningham Christopher Co., 437 Greenpoint av
Donohue's P. J. Sons, 108 Wallabout
Franklin Machine & Steam Boiler Works, 21 Franklin
Gilroy James J., 347 39th
Hall & Hurlbert, ft of 24th
Logan Iron Works, 54 Commercial
McGibbon Engineering & Iron Works, 14 Columbia
Manton John, ft of Court
Meyer Otto C. & Co., 30 Franklin
Robins Dry Dock & Repair Co., Beard
Simpson Robert, 220 Russell

#### Boroughs of Manhattan and Bronx.

NEW YORK—**BEGGS JAMES & CO.**, 30 Warren. *See adv index at end of book*
**DOVER BOILER WORKS,** Sales Office: 40 Church. Works: Dover, N. J. *See adv index at end of book*
Fogarty Michael, 531 W 33d
Fox's Geo. Sons, 511 W 34th
**GODFREY-KEELER CO.**, 70 Warren
*See adv index at end of book*


# BOILERS

**ANY TYPE FOR ANY DUTY**

Stationary, Marine, Locomotive, Vertical, Portable and Steam Heating Boilers, Smoke Stacks and Tanks.

**HIGH GRADE WORK.**
**MODERATE PRICES.**

GODFREY-KEELER CO.
70 Warren Street NEW YORK


Gorton & Lidgerwood Co. (Sectional), 96 Liberty
Greenlie-Halliday Co., 499 Water
Helpershausen Bros., 43 Tomkins
**LIDGERWOOD MFG. CO.**, 96 Liberty
*See adv index at end of book*
Mitchell Co. (Marine), 621 W 24th
Nason Mfg. Co., 71 Fulton
Nichols D. M. Iron Works, 2 Gouverneur sl
Quintard Iron Works Co., 742 E 12th
Reid Alex & Co., 165 Charles
Smith A. & Son, 685 11th av
Worthington Watertube Boiler Co., 30 Warren

#### Borough of Queens.

LONG ISLAND CITY—Collins Wm. P. Co., 134 Franklin

#### (End of New York City)

NYACK—Kane John
OSWEGO—**AMES IRON WORKS** (Horizontal & Upright Tubular, Portable on Skids or Wheels "Empire")
Carroll Chas.
**KINGSFORD FDRY & MACHINE WORKS** (Scotch Boilers)
PHELPS—Collins Iron Works
ROCHESTER—Hall's Sidney Sons
Rochester Tank & Boiler Co.
SYRACUSE—Hennessy Dennis
Mack Bros., 409 Marcellus
Perry Jno. W. & Sons
Syracuse Boiler Works Co.
TONAWANDA—American Engine & Boiler Works
Gillie Machine Co.
UTICA—O'Hanlon Thos. & Sons
Utica Steam Engine & Boiler Works
WELLSVILLE—McEwen Bros.

### NORTH CAROLINA.

CHARLOTTE—Liddell Co.
Mecklenburg Iron Works

### NORTH DAKOTA.

CASSELTON—Sorenson Gilbert
FARGO—Craig Bros.
Fargo Foundry Co.

### OHIO.

AKRON—Star Drilling Machine Co.
BARBERTON—Babcock & Wilcox Co. (See New York City)
BUCYRUS—Kelly Mfg. Co.
CINCINNATI—Houston, Stanwood & Gamble Co., 3rd av & Phila.
Tudor Boiler Mfg. Co. (Tubular, Horizontal & Vertical), 715 E. 3d
CLEVELAND—American Ship Building Co. (Marine), ft of W 54th
Connelly D. Boiler Co. (All Kinds), Ivanhoe rd & N. Y. & St. L. R. R.
Cuyahoga Boiler Works, 1206 Main av
Lake Erie Boiler Works, 2503 Elm av
Murphy Boiler Co. (Marine, 3263 W 73d
Ohio Machine & Boiler Co., 1501 University
Teachout H. E. Boiler Works, E 37th & Erie R. R.
Variety Iron & Steel Works Co., Hamilton av & E 40th
COLUMBIANA—Columbiana Boiler Co.
COLUMBUS—Borger Bros. Co., 257 W Spring
Columbus Steam Boiler & Heater Co.
Eaton Machine Works, 37 S Scioto
Scioto Boiler Works, 37 N Scioto
Union Boiler Works, 67 S Center
COVINGTON—Crampton & Son
DAYTON—Brownell Co. (Portable, Vertical & Return Tubular)
Gem City Boiler Co., 331 Leo
FREMONT—Fremont Steam Boiler Works
IRONTON—Ironton Punch & Shear Co.
LEETONIA—Fabricated Steel Products Corp., Box 505
*See adv index at end of book*
LIMA—Golley & Finley Iron Works
LORAIN—American Ship Building Co. (Marine)
LOWELLVILLE—Meehan Boiler & Const. Co.
MARIETTA—Elcessor Andrew
Pattin Bros. Co.
MIDDLEPORT—Middleport Boiler Works
NEWARK—Scheidler Machine Works Co.
Tucker & Son Boiler Works
SPRINGFIELD—Casey D. L. Machine Co.
Leffel Jas. & Co. (Stationary, Portable, Horizontal & Vertical), East
Roberts Thomas
TIFFIN—Conley T. F.
TOLEDO—Duncan Co., 588 Water
Healy Michael
Loos Adam
McNaull Boiler Mfg. Co.
Toledo Ship Building Co. ("Bordeaux") (Marine)
WARREN—Warren City Tank & Boiler Co.
WELLSVILLE—Fasset J. E. Boiler Works
ZANESVILLE—Griffith & Wedge Co.

### OKLAHOMA.

ARDMORE—Peerless Steel Co.
TULSA—Tulsa Boiler & Machy. Co.

### OREGON.

ALBANY—Albany Iron Works
PORTLAND—East Side Boiler Works (R. W. Orewiler, Prop), ft of E Main
Williamette Iron & Steel Works

### PENNSYLVANIA.

ALLENTOWN—Allentown Boiler Works
Heilman Boiler Works
McDermott Engng. Co., Jordan & Whitehall
BEAVER FALLS—Beaver Valley Boiler Works
BRADFORD—Bovaird & Co.
Bovaird & Seyfang Mfg. Co. ("Electric")
CHESTER—Berry Engineering Co. ("Berry" Safety)
Wetherill Robert & Co. ("Berry" Safety, Tubular, Flue, Marine & Fire Box)
COATESVILLE—Coatesville Boiler Works (Return Tubular, Stationary, Vertical, etc)
COLUMBIA—Columbia Boiler Works
CONNELLSVILLE — Connellsville Iron Works
CONSHOHOCKEN—Bate Wm. T. & Son
CORRY—Corry Steam Boiler Works
EAST STROUDSBURG — International Boiler Works Co. ("Cornish")
ERIE—American Boiler Works
Erie City Iron Works ("Economic" Stationary, Return Tubular, etc.)
Erie Engine Works
Nagle Engine & Boiler Works
Pennsylvania Boiler Works
Union Iron Works
FRANKLIN—Jones R. E. & Co.
HAMBURG—Hamburg Boiler Works
HARRISBURG—Harrisburg Mfg. & Boiler Co.
HOLLIDAYSBURG—Madden Boiler Wks.
KENNETT SQUARE—American Road Machinery Co. (Portable & Stationary)
LANCASTER—Bell Boiler & Iron Co.
LEBANON—Union Boiler & Mfg. Co.
MEADVILLE—Phoenix Iron Works Co.
MONONGAHELA — Monongahela Boiler Works
NEW CASTLE—Fleming's Wm. Sons
OAKDALE—Kinney F.
OIL CITY—Oil City Boiler Works
Ravey Joseph H.
PETROLIA—Barney H. M.
PHILADELPHIA—Badenhausen Co., 1429 Chestnut
Baizley John Iron Works, 514 S Delaware av
Cox & Sons Co., 5th & Chestnut
Cramp Wm. & Sons Ship & Engine Building Co. (Marine), Beach c Ball
Ervien C. W. & Co., Venango & G
Gilman Wm., 1110 Beach
Goldner Henry Boiler & Tank Wks., Water & Mifflin
McGovern & Smith, 2046 E Lehigh av
Morris I. P. Co., Richmond & Norris
Parker Boiler Co., 9th & Sansome
Petty J. K. & Co. (Return, Tubular, Locomotive, Vertical, etc), Stephen Girard bldg. Works: Lebanon, Pa.
Quaker City Iron Works, Tioga & Richmond
Rich J. & G., 120 N 6th
Uniflow Boiler Co., Harrison bldg
Williamson Bros. Co., Aramingo & Cumberland
PHOENIXVILLE—Heine Safety Boiler Co.
PITTSBURGH—Lappan Jas. Mfg. Co.
Long Walter Mfg. Co., 1312 Muriel
Manchester & Co., 3108 Smallman
Munroe R. & Sons Mfg. Corporation (Horizontal), 23d & Smallman
Oil Well Supply Co., 215 Water
Pearson Mfg. Co., 800 Beaver
Rees James & Sons Co., 18 4th
POTTSTOWN—Sotter Bros.

PENNSYLVANIA—continued
READING—Orr & Sembower (Vertical, Horizontal & Locomotive)
Penn Boiler & Machine Works
Reading Scale & Machine Co.
SHARPSVILLE—Sharpsville Boiler Works Co.
TATAMY—Messinger Mfg. Co. (Low Pressure)
TITUSVILLE—Titusville Iron Co. (Horizontal, Tubular & Fire Box)
TROY—Troy Engine & Machine Co.
TYRONE—Reader Bros. & Hoffman
WAYNESBORO—Frick Co.
WILKES-BARRE—Vulcan Iron Works
WILLIAMSPORT—Keeler E. Co. ("Keeler")
YORK—Farquhar A. B. Co., Ltd. (Tubular)
Hench & Dromgold ("H. & D.")
Motter's Geo. F. Sons

### RHODE ISLAND.

PROVIDENCE — Globe Steam Boiler & Iron Works, 349 Eddy
Hicks Boiler Works, 614 S Main
Wholey Boiler Works, 95 Whipple

### SOUTH CAROLINA.

CHARLESTON—Charleston Dry Dock & Ma[illegible] Co.
Charleston [illegible]n Works, Riverside Iron Work

### SOUTH DAKOTA.

SIOUX FALLS—Harding B. W.
WATERTOWN—Hanten Machine Co.

### TENNESSEE.

CHATTANOOGA—Casey-Hedges Co.
Chattanooga Boiler & Tank Co.
Lookout Boiler Mfg. Co.
Walsh & Weidner Boiler Co.
JACKSON — Southern Engine & Boiler Mfg. Co.
JOHNSON CITY—Johnson City Boiler & Tank Co.
KNOXVILLE—Dallas B. B.
MEMPHIS—Memphis Boiler Works
Shea Daniel Boiler Works
Southern Boiler & Tank Works
NASHVILLE—Culberts Wm. Sons

### TEXAS.

BEAUMONT—Beaumont Iron Works Co.
Dollinger Jno.
FORT WORTH—Van Zandt Iron Works
GALVESTON—McDonough Iron Works
HOUSTON—Finucane Boiler Works
Hartwell Iron Works
Tofte Boiler & Sheet Iron Works
SAN ANTONIO—Alamo Iron Works
SHERMAN—Washington Iron Works

### UTAH.

SALT LAKE CITY—Holmes Samuel
Salt Lake Engineering Works
Salt Lake Iron & Steel Co.

### VERMONT.

RUTLAND—Holmes Iron Co.

### VIRGINIA.

BERKELEY—Old Dominion Marine Railway
BRISTOL—Twin City Boiler Works, Inc. (Also Boiler Repair Work)
NEWPORT NEWS—Newport News Ship Building & Dry Dock Co.
RICHMOND—McCabe Geo. & Son.

### WASHINGTON.

BELLINGHAM—Reid Bros. Co.
EVERETT—Sumner Iron Works
HOQUIAM—Hoquiam Steam Boiler Works
OLYMPIA—Sofe James
SEATTLE—Commercial Boiler Works (Fox & Jenkins, Props.)
Hopkins Frank
Oregon Boiler Works (John Foster, Prop)
Puget Sound (Marine & Stationary), Machinery Depot, 318 1st av
Seattle Boiler Works (Frank Hopkins, Prop)
Standard Boiler Works (Marine, Stationary & Locomotive)
Vulcan Mfg. Co.
Washington Iron Works Co.
SPOKANE—Brown Bros
Cleary J. E.
TACOMA—Brear S. D. & Son
Puget Sound Iron & Steel Works

### WEST VIRGINIA.

CHARLESTON—South Side Fdry. & Machine Works
Ward Chas. Engineering Works
HUNTINGTON—Coughenour E. C. Co.
MANNINGTON—Haugh T. M.
WHEELING—Bryan & Bippus

### WISCONSIN.

APPLETON — Northern Boiler & Structural Iron Works
ASHLAND—Sanders Robt. E.
GREEN BAY—Hartman-Greiling Co.
JANESVILLE—Ambrose F. O.
JUNEAU—Brieman C. G.
LA CROSSE—La Crosse Boiler Co.
MANITOWOC — Manitowoc Boiler Works Co. (Marine, Stationary, etc)
MARINETTE—Marinette Boiler Works
MILWAUKEE—American Boiler Works (Jos. Buxbaum, Prop), 287 Virginia
Cream City Boiler Co., 37th av & Lapham
Mertes-Miller Co., 239 Lake
Meyer Geo. J. Mfg. Co., 598 Clinton
Milwaukee Boiler Co., 220 Oregon
Milwaukee Reliance Boiler Works, 1102 32d
Murphy Boiler Co.,153 Barclay
Schwab-Le Zotte Boiler Co., 16th & Canal
Smith T. L. Co. ("Smith"), 1151 32nd
OSHKOSH—Battis Bros.
Reliance Boiler Works
RACINE—Freeman Mfg. Co.
SHEBOYGAN — Optenberg Iron Works (Stationary & Marine)
SUPERIOR—Northwestern Boiler Works
TOMAHAWK—Tomahawk Steel & Iron Works
WAUSAU—Wausau Iron Works
WEST DE PERE—De Pere Mfg. Co.

## 1040— Boilers (Vertical)

Bradford Iron Works, Wilmington, N. C.
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Charleston Dry Dock & Machine Co. (Scotch), Charleston, S. C.
Charleston Iron Works, Charleston, S. C.
Gem City Boiler Co., 331 Leo, Dayton, O.
**GERDES & CO.,** 42 Church, New York
*See adv index at end of book*
Keeler E. Co. ("Keeler"), Williamsport, Pa.
Lebanon Boiler Works, Lebanon, Pa.
Murphy Timothy Iron Works, Jacksonville, Fla.
Phoenix Iron Wks Co., Meadville, Pa.
Taylor Iron Works & Supply Co., Macon, Ga.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

## 1041— Boilers (Wash)

Aldrich Mfg. Co. (Tin & Planished Copper), Buffalo, N. Y.
Atlantic Stamping Co. (Charcoal Tin, Copper Bottoms, etc), 156-180 Ames, Rochester, N. Y.
Badger E. B. & Sons Co. (Copper), 75A
*See adv index at end of book*
Bass Joseph, 239 Race, Phila., Pa.
Behrens H. Mfg. Co. ("Never-Bend"), Winona, Minn.
**BERTELS W. B. & SON CO., INC.,** Wilkes-Barre, Pa.
Central Stamping Co. ("Puritan"), 172 Fulton, New York
Coonley Mfg. Co. ("Clyde"), 551 W. Monroe, Chicago.
Fries Geo. Sons, 222 S Front, Phila., Pa.
Geuder, Paeschke & Frey Co. (Copper, Galvanized & Tin), 1314-1700 St. Paul av, Milwaukee, Wis.
Home Light Co. of America ("Holico Inc"), 1955 Park av, New York
Lalance & Grosjean Mfg. Co., 299 Broadway, New York
Lawrence, Bostwick Mfg. Co., Ltd., Phelps, N. Y.
McAleer E. J. & Co. ("McAleer"), 1422 N 8th, Phila., Pa.
Mosheik Philip ("Mosheik"), 1108 S Halsted, Chicago, Ill.
National Enameling & Stamping Co., (Copper, Galvanized & Tin), 411 5th av, New York
New England Enameling Co., Middletown, Conn.
Nichthauser & Levy, 252 Java, Brooklyn, N. Y.
Peoria Can Co., Peoria, Ill.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Pritchard Stamping Co. ("Prisco," "Tiger"), Rochester, N. Y.
Ray Geo. A. Mfg. Co. (Copper & Brass), Buffalo, N. Y.
Republic Metalware Co. The ("Republic"), Buffalo, N. Y.
**ROCHESTER CAN CO.** ("Iron Horse," Galvanized & Tin—non rust, Metallic Bottom, Copper Bottom), Rochester, N. Y.
*See adv index at end of book*
Rochester Stamping Co., Rochester, N. Y.
Rome Mfg. Co. ("Rome"), Rome, N. Y.
Schaffer Tinware Mfg. Co., 76 Sedgwick, Brooklyn, N. Y.
Schlueter Mfg. Co., Broadway & John av, St. Louis, Mo.
Southern Co-Operative Foundry Co., Rome, Ga.
Trethaway Bros., Parsons, Pa.

## 1041a— Boilers (Waste Heat)

Coatesville Boiler Wks., 30 Church, New York

## 1042— Boilers (Water Tube)

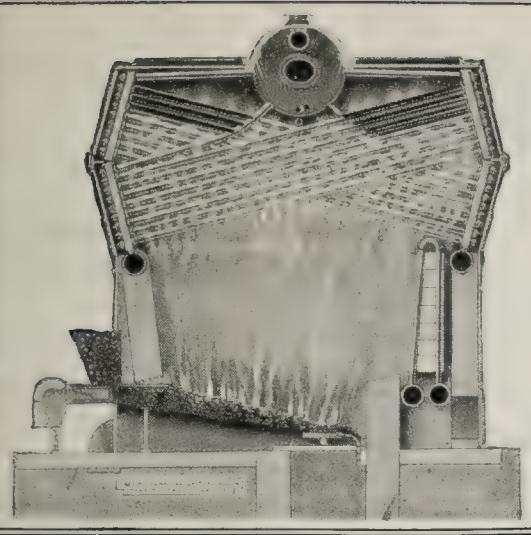
**ABENDROTH & ROOT MFG. CO.** ("Root"), Newburgh, N. Y.
*See adv index at end of book*
Almy Water Tube Boiler Co., 184 Allens av, Providence, R. I.
**BABCOCK & WILCOX CO.** ("B & W," "Rust," "Stirling"), 85 Liberty, New York
Badenhausen Co. ("Badenhausen"), 1429 Chestnut, Phila., Pa.
Badenhausen Co. ("Badenhausen" Stationary & Marine), Rialto bldg, San Francisco, Cal.
Ballin Water Tube Boiler Co. (Sectional), Portland, Ore.
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Bath Iron Works, Ltd. ("Normand") Bath, Me.
Bay City Boiler Co., Bay City, Mich.

**Hendricks' Commercial Register**

**is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.**

***When writing to firms whose names appear in this book please mention***

**Hendricks' Commercial Register**



# THE PAGE SECTIONAL WATER TUBE BOILER

*Greatest Boiler Capacity in Least Space*

The Page is actually two boilers in one. Note the crossed sectional construction. This means practically twice the capacity of the ordinary boiler occupying same space. Every square inch of heating surface is directly exposed to radiation. Entire boiler is enclosed in asbestos insulated, steel casing which acts as supporting structure, making the boiler a self-contained unit.

*The extensive Page catalog explains the many advantages in detail. Write Dept. B.*

**PAGE BOILER CO.,**

817 Larrabee St. Chicago, Illinois


**BEGGS JAMES & CO.,** 30 Warren, New York *See adv index at end of book*
Bigelow Co. ("Bigelow-Hornsby"), New Haven, Conn.
Brennan John & Co., 24th & M C R R, Detroit, Mich.
Casey-Hedges Co., Chattanooga, Tenn.
Charleston Dry Dock & Machine Co, Charleston, S. C.
Connelly D. Boiler Co. ("Connelly," All Sizes), Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.
Crowley Boiler Works, Jackson, Mich.
Dundon's Iron Works ("Dundon's" Sectional), 225 Folsom, San Francisco, Cal.
Edge Moor Iron Co., Edge Moor, Del.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kans.
Erie City Iron Works (Horizontal & Vertical), Erie, Pa.
Erie Engine Works, Erie, Pa.
Fore River Shipbuilding Corp. (Marine), Quincy, Mass.
Freeman Mfg. Co., Racine, Wis.
Gas Engine & Power Co., & C. L. Seabury Co. (Seabury Safety, Marine & Stationary), Morris Heights, N. Y.
Granger A. D. Co. ("Oswego"), 15 Park Row, New York
Harlan & Holingsworth Corp. (Marine), ft of West, Wilmington, Del.
Harrisburg Mfg. & Boiler Co. ("Star"), Harrisburg, Pa.
**HEINE SAFETY BOILER CO.,** 5319 Marcus av, St. Louis, Mo.
Herreshoff Mfg. Co. (Herreshoff Patent), Bristol, R. I.
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Hyde Bros. & Co. ("Hyde"), Commonwealth bldg, Pittsburgh, Pa.
International Engineering Works, Ltd. ("Robb"), Framingham, Mass.
Kanawha Mfg. Co. ("Bernhard"), Charleston, W. Va.
Keeler E. Co. ("Keeler"), Williamsport, Pa.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Kroeschell Bros. Co., 440 W Erie, Chicago, Ill.
Ladd Geo. T. Co., Farmers Bk. bldg, Pittsburgh, Pa.
McNaull Boiler Mfg. Co., Toledo, O.
Main Iron Works, 16th & Laggett, San Francisco, Cal.
Marine Iron Works, 2036 Dominick, Chicago, Ill.
Meehan Boiler & Construction Co., Lowellville, O.
Mohr Jno. & Sons, 349 W Illinois, Chicago, Ill.
Munroe R. & Sons Mfg. Corp. (Horizontal & Vertical), 23d & Smallman, Pittsburgh, Pa.
Murray Iron Works Co., Central av & Washington, Burlington, Ia.
Murray & Tregurtha Co., 340 W 1st, Boston. Mass.
New York Engng. Co., 2 Rector, New York
O'Brien John Boiler Works Co., St. Louis, Mo.
Ocean Shore Iron Wks., 550 80th, San Francisco, Cal.
*See adv index at end of book*


**Ocean Shore Iron Works**
550 8th St., San Francisco, Cal.
Dealers of
**Water Tube Boilers**
**-- Cross Drum Heine Type --**
for land or marine use


O'Dougherty Francis C. ("Economy"), 650 Bedford av, Brooklyn, N. Y.
Ofeldt F. W. & Sons (Small), Nyack, N. Y.
Oil City Boiler Works ("Geary" Stationary), Oil City, Pa.
Page Boiler Co. ("Midget" Sectional), 815 Larrabee, Chicago, Ill.
*See adv index at end of book*
Parker Boiler Co. ("The Parker" Down Flow), 9th & Sansome, Phila., Pa.
Puget Sound Machinery Depot, 318 1st av, S
Roberts Safety Water Tube Boiler Co., Red Bank, N. J.
Seattle Construction & Dry Dock Co. ("Badenhausen"), Seattle, Wash.
Smith H. B. Co. ("Mills & Smith" W-17 Hot water Supply Boilers), Westfield, Mass.
Springfield Boiler Co. ("Springfield Sectional") ("Springfield"), Springfield, Ill.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Union Iron Works, Erie, Pa.
Vogt Henry Machine Co. Inc. ("Vogt"), Louisville, Ky.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Walton C. J. & Son, Louisville, Ky.
Ward Chas. Engineering Works (Marine), Charleston, W Va.
Wickes Boiler Co. ("Wickes," Vertical & Horizontal), Saginaw, Mich.
Wildman Boiler Works, 3026 Carroll av, Chicago, Ill.
Worthington Watertube Boiler Co., 30 Warren, New York

## Bolsters (Car Truck & Body)

See Car Truck & Body Bolsters

## 1043—Bolt Header & Shoeing Vise (Combined)

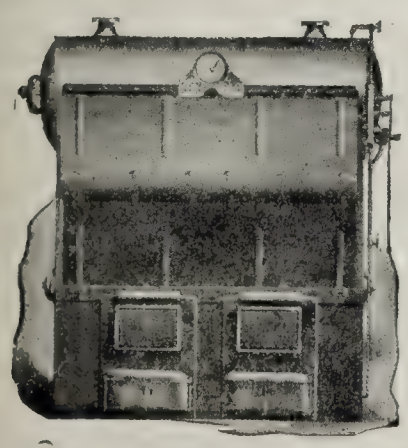
Noyes B. B. Co., Greenfield, Mass.

## 1044—Bolt, Nut & Rivet Mfrs.

See also Sub-classifications of Bolts; also of Nuts; also of Rivets; also of Screws; also of Washers

ALABAMA.

BIRMINGHAM—American Bolt Co. (Bolts Nuts Only)
Republic Iron & Steel Co. (Bolts, Nuts, Rivets, Screws & Washers); Main Office: Youngstown, O.

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*Steel Enclosed*
# Water Tube Boiler

Built in Sizes—50 to 600 Horse Power

Economical in Fuel and Room
Efficient—Durable—Rapid Steamer

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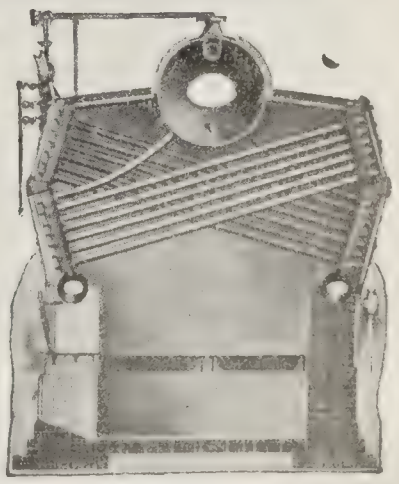
*Manufacturers*

Office: 30 Warren St., New York



Automobile Carriage Machine Plow Cultivator Elevator Loom Spring Stove Hook & Eye Special Rivets Nuts Screws

BUY THE CLARK Bolt ANYTHING YOU NEED in the LINE OF BOLTS and NUTS

CLARK BROS. BOLT CO., MILLDALE, CONN.
66 YEARS IN THE BUSINESS

### CALIFORNIA.

SAN FRANCISCO—Judson Mfg. Co., 819 Folsom
Pacific Rolling Mill Co., 17th & Mississippi
Payne's Bolt Works (Bolts, Screws, Washers, etc), 133 Howard

### COLORADO.

DENVER—Colorado Fuel & Iron Co. (Bolts, Nuts, etc)

### CONNECTICUT.

HARTFORD—Atlantic Screw Works
Hartford Machine Screw Co. (Miller Bolts & S. A. E. Standard Bolts & Nuts)
MILLDALE—**CLARK BROS. BOLT CO.**
*See adv index at end of book*
NEW BRITAIN—Corbin Screw Corp. (Bolts, etc)
**STANLEY WORKS** (Steel Door Bolts)
*See adv index at end of book*
NEW HAVEN—American Rivet Co. (Rivets, Studs, Bolts, etc)
Cowles C. & Co. (Bolts)
Sargent & Co. (Bolts, all kinds)
PLANTSVILLE—Atwater Mfg. Co. (Carriage Bolts)
SHELTON—Bassett D. M. Bolt Works (Bolts)
Specialty Bolt & Rivet Wks., 132 Hillside av
TORRINGTON—Coe Brass Branch (Rivets)
Progressive Mfg. Co. (Rivets to Order Only
UNIONVILLE—Upson Nut Co. (Bolts,
WATERBURY — Blake & Johnson Co. (Special Rivets, etc.), 1500 Thomaston av
*See adv index at end of book*
Steele & Johnson Mfg. Co. (Brass)
Waterbury Brass Goods Corp. (Brass Rivets)
Waterbury Mfg. Co.
WINSTED—Moore, Franklin Co. (Bolts, Nuts, etc)

### ILLINOIS.

CHICAGO—Chicago Nut Co. (Brass Nuts, etc.), 2513 W 20th
Continental Bolt & Iron Works (Bolts, etc), 2225 W 43d
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Illinois Steel Co. (Track Bolts), 208 S La Salle
Interstate Iron & Steel Co. (Rivets All Kinds), 104 S Michigan av
O'Leary Arthur J. & Son Co., 65th & S 57th av
MARSEILLES—Moore Joshua (Rivets)
ROCK FALLS—Russell, Burdsall & Ward Bolt & Nut Co. (Bolts, Nuts, Washers, etc)
ROCKFORD—Rockford Bolt Co. (Bolts, Rivets & Nuts), 60 Mill

### INDIANA.

GARY—Gary Screw & Bolt Co. (Bolts, Screws, etc)
SHELBYVILLE—Vandergrift & Morris

### MARYLAND.

BALTIMORE—Armstrong & Parker (Bolts & Washers), 361 Guilford av
Maryland Bolt Co., Continental bldg.

### MASSACHUSETTS.

BOSTON—Hill-Smith Metal Goods Co. (Bolts, Nuts & Washers), 82 Brookline av.
New England Screw Co., 44 Farnsworth
Standard Rivet Co., 41 Lincoln
Sylvester Co. (Bolts, Spikes, etc), 141 Milk
Tubular Rivet & Stud Co. (Rivets), 87 Lincoln
EVERETT—New England Bolt Co. (Bolts, Nuts & Washers)
FRAMINGHAW—Framinghaw Screw Wks. (Wild Nuts)
PLYMOUTH—Plymouth Mills (Rivets & Washers)
TAUNTON—Nelson Rivet Co. (Brass, Copper & Iron Rivets)
Taunton Rivet Works (Rivets & Washers)
WORCESTER—Reed & Prince Mfg. Co. (Bolts, Nuts & Rivets)
Smith Thos. Co. (Bolts, Nuts & Washers)

### MICHIGAN.

DETROIT—Detroit Nut Co., Hubbard av & M. C. R. R.
Detroit Screw Works (Bolts & Nuts)
Michigan Bolt & Nut Works (Bolts, Nuts, Rivets & Washers), ft. Meldrum

### MISSOURI.

KANSAS CITY—Kansas City Bolt & Nut Co. (Bolts, Nuts, Rivets & Washers)
ST. LOUIS—American Car & Foundry Co., Syndicate Tr. bldg
Moran Bolt & Nut Mfg. Co. (Bolts, Nuts, Rivets, Screws & Washers), 1st & Florida
St. Louis Screw Co. (Bolts, Nuts, etc), Clarence & Bulwer avs

### NEW JERSEY.

BAYONNE—Bayonne Bolt & Nut Co.
*See adv index at end of book*

BOLTS, NUTS & RIVETS
Of All Descriptions
BAYONNE BOLT & NUT CO.
Manufacturers
Bayonne, N. J.
on New York Harbor

HARRISON—Harrison Bolt & Nut Co.
JERSEY CITY—Ames W. & Co. (Bolts, Nuts, etc), Communipaw av
*See adv index at end of book*
NEWARK—Hartley Screw Products Co., Poinier
Newark Rivet Works (Rivets), 262 Lafayette
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
PHILLIPSBURG—Galvanized Products Co.

### NEW YORK.

BUFFALO—Bell Co. (The) (Nuts from Bar Stock & Finished Bolts), 1555 Fillmore av
Buffalo Bolt Co.
Niagara Screw Co. (Bolts, Nuts & Screws)

### NEW YORK CITY.

**Borough of Brooklyn.**

BROOKLYN—Gaskell Wm. & Son (Bolts), 59 Freeman
Upham V. B. & Bro. (Rivets), 80 Hudson av

**Boroughs of Manhattan and Bronx.**

NEW YORK—American Bridge Co., 80 Church
American Car & Foundry Co., 165 B'way
Greenlie-Halliday Co. (Bolts, Nuts, Rivets & Washers), 499 Water
IGOE BROTHERS (Rivets), Canal & Lafayette, New York
*See adv index at end of book*
Liberty Steel Co., 233 B'way
Mead & Co., 75 Barclay, New York
*See adv index at end of book*
Smith & McCrorken, Inc., 411 E 18th

**(End of New York City)**

**Borough of Queens**

MASPETH—Merrill Bros., 3 Arnold
*See adv index at end of book*
PORT CHESTER—Russell, Burdsall & Ward Bolt & Nut Co.
POUGHKEEPSIE—Anchor Bolt & Nut Co.
ROME—Rome Brass & Copper Co. (Copper Rivets & Washers, etc)
SYRACUSE—Central City Bolt Co. (Bolts & Nuts)
TROY—Burden Iron Co. (Rivets)

### OHIO.

AMHERST—U. S. Automatic Co. (Bolts & Nuts)
BEREA—Ohio Nut & Bolt Co.
CINCINNATI—Elden T. G. (Nuts, Rivets, etc), 115 Sycamore
CLEVELAND—**ATLAS BOLT & SCREW CO.** (Bolts, Nuts, Rivets, Screws, etc.), 1130 Ivanhoe rd
*See adv index at end of book*
Carlin Anthony Co., 2717 E 75th
Champion Rivet Co. (Rivets), Harvard av & E. 108th
Cleveland Bolt & Mfg. Co. (Bolts) ("North" carriage)
**Eagle Bolt & Forging Co.** (Bolts & Rivets), 1435 E. 45th
Foster Bolt & Nut Mfg. Co. (Bolts, Nuts, Screws, etc), Union av & E 72d
Kirk-Latty Mfg. Co. (Bolts, Rivets, etc), 1971 W. 85th
Lake Erie Bolt & Nut Co. (Bolts, Nuts & Washers), ft of E 63d
Lamson & Sessions Co. (Bolts, Nuts & Rivets), 2188 Scranton rd S W

Self-Riveting

Self-Adjusting

# ANKOR BOLTS

**"Where nothing else will really work!"**

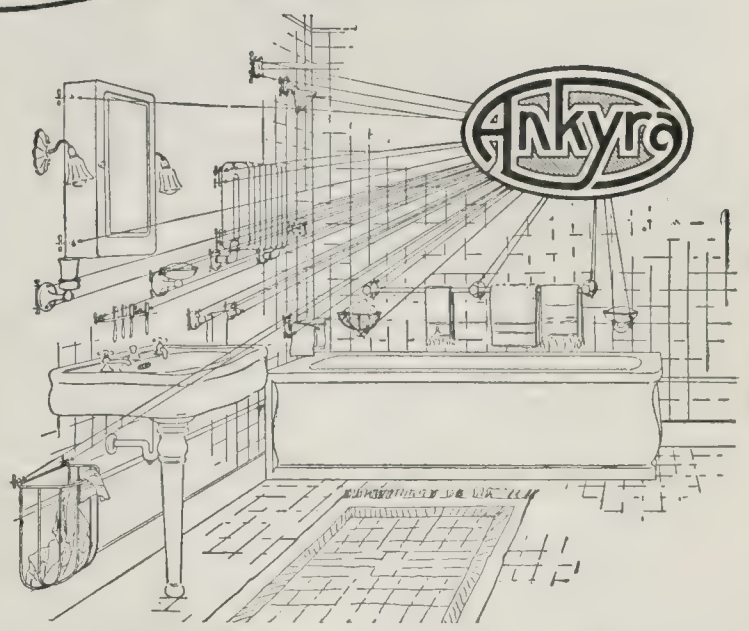
"I believe Ankyra Ankor Bolts are the best fastening device I have seen. They can be used on lath-and-plaster and on metal lath *where nothing else will really work.*"

This letter came from Florida, from a large contractor and builder who first used ANKYRAS more than five years ago when he was one of the contractors on the Equitable Building in New York City.

ANKYRA Ankor Bolts have continuously proved their value to him for more than five years. They are vastly more valuable today because of high prices for time and labor.

*Send One Dollar with this advertisement for a trial outfit to prove their worth to you*

**ANKYRA MANUFACTURING CO.**
149 Berkley St., Wayne Junction
PHILADELPHIA




National Acme Co., 7500 Scranton av S E
National Screw & Tack Co. (Bolts, Nuts & Rivets), Stanton av S E & C. & P. Ry.
Peerless Automatic Machine Co., 1962 W. 77th
Upson Nut Co (Bolts, Nuts & Rivets)
COLUMBUS—Berry Bros. (Bolts, Nuts & Rivets)
Columbus Bolt Works Co. (Bolts, Nuts, Rivets, Screws & Washers)
Standard Bolt Co.
ELYRIA—Western Automatic Machine Screw Co. (Bolts, Nuts, etc)
KENT—Falls Rivet Co.
YOUNGSTOWN—**REPUBLIC IRON & STEEL CO.** (Bolts, Nuts, Screws & Washers)
*See branch offices alphabetical section*

### OREGON.

PORTLAND—Northwest Bridge & Iron Co.

### PENNSYLVANIA.

ALLENTOWN—**GRAMMES, L. F. & SONS**
*See adv index at end of book*
BUTLER—Butler Bolt & Rivet Co.
JOHNSTOWN—Cambria Steel Co. (Bolts, Nuts & Rivets). Main Office: Phila., Pa.
LEBANON—American Iron & Steel Mfg. Co. (Bolts, Nuts, Rivets & Washers)
Lebanon Valley Iron & Steel Co. (Bolts, Nuts, Rivets, Washers, etc)
NORRISTOWN—American Equipment Co. (Bolts, Nuts, etc)
Reading Screw Co. (Stove & Tire Bolts)
PHILADELPHIA—**ANKYRA MFG. CO.** (Anchor Bolts), Wayne Junction
*See adv index at end of book*
Cambria Steel Co. (Bolts, Nuts & Rivets), Widener bldg
**FOSTER MFG. & SUPPLY CO.** (All Kinds), 20th & Venango
Haydon A. & M., 304 N 22d
McGookin D. H., 1630 N 9th
Skelly Thos. P. Bolt Co. (Bolts Only), 24th & Carlton
PITTSBURGH—Flannery Bolt Co., Vanadium bldg
Graham Nut Co.
Hubbard & Co. (Bolts, Nuts, etc), 63d & Butler
Hussey C. G. & Co. (Rivets, Copper), 2850 2nd av
Lanz M. & Sons (Bolts, Nuts, Rivets & Washers), 2907 Carson
Liberty Steel Products Co., 1st Nat Bk bldg
National Bolt & Nut Co. (Bolts, Nuts), 62nd & A. V. R. R.
New Castle Steel & Iron Co. (Bolts, Rivets, etc)
Oliver Iron & Steel Co. (Screws & Washers), S 10th & Muriel
Pittsburg Knife & Forge Co. (Large Bolts, Rivets, etc), Ridge & Chateau
Pittsburg Rivet Co., 38th & Junction R R
Pittsburgh Screw & Bolt Co. (Bolts, Nuts & Rivets), Preble av
Severence S. Mfg. Co. (Rivets, Spikes, etc), 3d
Steel Car Forge Co., Frick bldg
POTTSVILLE—Pottsville Bolt Co. (Bolts & Screws)
SCRANTON—Scranton Bolt & Nut Co. (Bolts, Nuts, Rivets, Screws & Washers)
SOUTH BETHLEHEM—Bethlehem Steel Co.
WEST PITTSBURGH—Garland Nut & Rivet Co.

### RHODE ISLAND.

PAWTUCKET—Haskell Wm. H. Mfg. Co. (Bolts & Nuts), 21 Stevens
Pawtucket Mfg. Co. (Bolts, Screws, etc)
PROVIDENCE — American Screw Co. (Bolts & Nuts), 21 Stevens
Eastern Bolt & Nut Co., E Providence
Rhode Island Tool Co. (Bolts, Nuts & Washers)
VALLEY FALLS—Standard Nut & Bolt Co.

### TENNESSEE.

ERWIN—Brown A. R. ("Brown's Perfection")

### VIRGINIA.

RICHMOND—Old Dominion Iron & Steel Corp. (Bolts), Belle Isle

## 1044a—*Bolt, Nut & Rivet Mfrs. (Monel Metal)

**BAYONNE BOLT & NUT CO.**, Bayonne, N. J. *See adv index at end of book*

## 1046— Bolt & Screw Cases

American Bolt & Screw Case Co. (Revolving), Dayton, O.
Eclipse Mfg. Co. (Sectional Revolving), Wellston, O.
Green A. H. Co., 97 Warren, New York
Heller W. C. & Co., Montpelier, O.
Hobart Bros., Troy, N. Y.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
New Britain Machine Co. (Revolving), 190 Chestnut, New Britain, Conn.
Warren J. D. Mfg. Co., Masonic Temple, Chicago, Ill.

## 1047—*Bolt & Shield (Expansion)

**DIAMOND EXPANSION BOLT CO.** ("Diamond"), 89 West, New York
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**M'CABE HANGER MFG. CO.**, 426-428 W. 25th, New York
*See adv index at end of book*

## 1048— Bolters (Corn Meal)

Gump B. F. Co., 431 S. Clinton
Huntley Mfg. Co., Silvercreek, N. Y.
Sprout, Waldron & Co, Muncy, Pa.

## 1049— Bolters (Flour Mill)

Sprout, Waldron & Co, Muncy, Pa.

## 1050— *Bolters (Universal)

**ABBE ENGINEERING CO.**, 216-224 B'way New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (With Vibrometer Drive), Milwaukee, Wis.

## 1051— Bolts (Anchor)

See also Bolts, Expansion

American Equipment Co., Norristown, Pa.
ANKYRA MFG. CO., Wayne Junction, Phila., Pa.
*See adv index at end of book*

BOLTS (ANCHOR)—continued

**Bethlehem Steel Co., So Bethlehem, Pa.**
**DIAMOND EXPANSION BOLT CO., 89 West, New York**
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Galvanized Products Co., Phillipsburg, Pa.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens, New York
*See adv index at end of book*
Pittsburg Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Star Expansion Bolt Co. ("STAR" & "SEBCO"), 145 Cedar, New York
*See adv index at end of book*
Steward & Romaine Mfg. Co., 124 N 6th, Phila., Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York
United States Expansion Bolt Co., 25 Elm New York

## 1052— *Bolts ("Ankyra")

**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa.
*See adv index at end of book*

## 1052a— *Bolts (Automatic)

Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1053— Bolts (Automobile)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
*See adv index at end of book*
Boss Nut Co., 1744 N Kolmar av, Chicago, Ill.
**CLARK BROS. BOLT CO.,** Milldale, Conn.
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & L. E. Belt Line, Cleveland, O.
Falls Rivet Co., Kent, Ohio
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## 1054— Bolts (Automobile Steering Knuckle)

Vahan Products Co., 73rd & St. Clair, Cleveland, O.

## Bolts (Barge)

See Bolts, Drift

## Bolts (Barn Door)

See Bolts, Door & Window

## Bolts (Barrel)

See Bolts, Door & Window

## 1054a—Bolts (Barrel Builders)

Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1055—Bolts (Belt or Elevator)

American Screw Co., 21 Stevens, Providence, R. I.
**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Bethlehem Steel Co., So Bethlehem, Pa.
**CLARK BROS. BOLT CO.** (Elevator), Milldale, Conn.
*See adv index at end of book*
**Columbus Bolt Works Co., Columbus, O.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Philadelphia, Pa.
*See adv index at end of book*
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pawtucket Mfg. Co., Pawtucket, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Upson Nut Co., Cleveland, O.

## 1056— Bolts (Bicycle)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Clark Bros. Bolt., Milldale, Conn.
*See adv index at end of book*
National Acme Co., 7500 Stanton av S E, Cleveland, O.
National Screw & Tack Co., Stanton av, S E & P. Ry,, Cleveland, O.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.

## 1057— Bolts (Billiard Table)

Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Upson Nut Co., Cleveland, O.

## 1057a— Bolts (Blank)

American Bolt Co., Birmingham, Ala.
American Equipment Co., Norristown, Pa.
Ames W. & Co., Jersey City, N. J.
Boss Nut Co., 1744 N Kolmar av, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Lamson & Sessions Co., 2188 Scranton rd, Cleveland, O.
Lanz N. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Screws & Bolt Co., Preble av, Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.

## 1058—Bolts (Boiler & Boiler Patch)

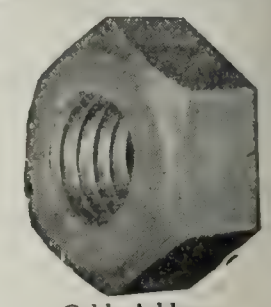
**BAYONNE BOLT & NUT CO.,** Bayonne, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
**DIAMOND EXPANSION BOLT CO.** ("Diamond"), 89 West, New York
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, O.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
St. **Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Western Automatic Machine Screw Co., Elyria, O.
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

## 1059— Bolts (Boiler Stay)

Bethlehem Steel Co., So Bethlehem, Pa.
Falls Hollow Staybolt Co., Cuyahoga Falls, Ohio
Flannery Bolt Co. ("Tate" Flexible), Vanadium bldg, Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Lockhart Iron & Steel Co., Pittsburgh, Pa.
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.

BOLTS and NUTS
CAP SCREWS
and RIVETS

THE ATLAS BOLT AND SCREW CO.
BOLT MAKERS Cleveland, U.S.A. SINCE '96.



Cable Address:
"ATLASBOLT"
Western Union Code

**Pittsburgh Screw & Bolt Co., Preble av,** Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See branch offices Alphabetical Section*
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Western Automatic Machine Screw Co., Elyria, O.

## 1060—Bolts (Brass, Bronze & Copper)

Acheson Mfg. Co., Rankin, Pa.
**AMERICAN BRASS CO., Waterbury, Conn.**
*For branch offices see adv index at end of book*
**Columbus Brass Co., 538 Dublin av,** Columbus, O. *See adv index at end of book*
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Equipoise Rivet Co. (Brass Flange), Waterbury, Conn.
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hendricks Bros. (Copper Only), 49 Cliff, New York
Larkin, J. K. & Co. (Brass Only), 34 Reade, New York
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Moran Bolt & Nut Mfg. Co. (Bronze & Copper Only), 1st & Florida, St. Louis, Mo.
Mutual Electric & Machine Co. (Copper), **232 Fort W, Detroit, Mich.**
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Phosphor Bronze Smelting Co. (Phosphor Bronze), 2200 Washington av, Phila., Pa.
**RAWLES, JAMES D. COMPANY,** 253 B'way, New York
Reading Hardware Co. (Brass), Reading, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rockford Bolt Co. (Brass & Bronze), 60 Mill, Rockford, Ill.
St. Louis Screw Co. (Brass & Bronze), Clarence & Bulwer avs, St. Louis, Mo.
Trumpbour-Whitehead, Brass & Copper Co., 309-311 Canal, New York, and 43 North 7th, Philadelphia, Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-73 **Washington, North Boston, Mass.**
*See adv index at end of book*

## 1061—Bolts (Bridge & Structural)

American Equipment Co., Norristown, Pa.
**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.
Bethlehem Steel Co., So Bethlehem, Pa.
Buffalo Bolt Co., Buffalo, N. Y.
Cleveland City Forge & Iron Co., Cleveland, O.
Colorado Fuel & Iron Co., Denver, Colo.
**Continental Bolt & Iron Works, 2225 W. 43d, Chicago, Ill.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Gaskell Wm. & Son, 59 Freeman, Brooklyn, N. Y.
Graham Nut Co., Pittsburgh, Pa.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lake Erie Bolt & Nut Co., ft of E. 63d, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin, J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
McGookin D. H., 1630 N 9th, Phila., Pa.
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
*See adv index at end of book*
Michigan Bolt & Nut Works, ft Meldrum, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
New England Bolt Co., Everett, Mass.
**OLD DOMINION IRON & STEEL CO.,** Belle Isle, Richmond, Va.
*See adv index at end of book*
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See branch offices Alphabetical Section*
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
**Ryerson, Jos. T. & Son, 2558 W 16th,** Chicago, Ill. *See adv index at end of book*
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin St. Paul, Minn.
*See adv index at end of book*
Scranton Bolt & Nut Co., Scranton, Pa.
Smith A. L. Iron Wks., Chelsea, Mass.
Smith Thos. Co., Worcester, Mass.
Standard Bolt Co., Columbus, O.
Sylvester Co., 141 Milk, Boston, Mass.
Upson Nut Co., Cleveland, O.
Wendt Albert H., 456 E 2d, Cincinnati, O.

## Bolts (Bronze)

See Bolts, Brass & Copper

## 1062— Bolts (Car)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Equipment Co., Norristown, Pa.
**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
Bayonne Bolt & Nut Co., Bayonne, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
**Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.**
Erie Car Works, 1150 W 17th, Erie, Pa.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lake Erie Bolt & Nut Co., ft of E. 63d, Cleveland, O.
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Michigan Bolt & Nut Wks., ft. Meldrum, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Pressed Steel Car Co (Column Post & Journal Box), 307 5th av, Pittsburgh, Pa.
St Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Standard Bolt Co., Columbus, O.
Western Steel Car & Foundry Co. (Column Post & Journal Box), 122 S Michigan, Chicago, Ill.

## 1063— Bolts (Carriage)

American Bolt Co. (Also Machine), Birmingham, Ala.
**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
**ATLAS BOLT & SCREW CO.,** 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Ballard Drop Forge Co., Seattle, Wash.
**BAYONNE BOLT & NUT CO.,** Bayonne, N. J.
Bassett D. M. Bolt Works, Shelton, Conn.
Berry Bros. Columbus, O.
Bethlehem Steel Co., So Bethlehem, Pa.
**BOSS NUT CO.,** 1744 No. Kolmar av, Chicago, Ill.
Buffalo Bolt Co., Buffalo, N. Y.
**CLARK BROS. BOLT CO.,** Milldale, Conn.
*See adv index at end of book*
Cleveland Bolt & Mfg. Co. ("North" Ribbed Neck), Cleveland, O.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
**Columbus Bolt Works Co.** (Common & Eagle), Columbus, O.
Corbin Screw Corp. (Fancy Head), New Britain, Conn.
Cowles C & Co., New Haven, Conn.
**Eagle Bolt & Forging Co.** (Turned Head & Fellow Step), 1435 E 45th, Cleveland, O.
Falls Rivet Co., Kent, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L. C. Co., 114 Liberty, New York
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Haydon A. & M., 304 N 22d, Phila., Pa.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
**Hubbard & Co., 63d & Butler, Pittsburgh, Pa.**
Joslyn Mfg. Supply Co., Chamber of Commerce bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lake Erie Bolt & Nut Co., ft of E. 63d, Cleveland, O.
Lamson & Sessions Co. ("Buckeye"), 2188 Scranton rd, S W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co. (Also Wagon), 32 Reade, New York
*See adv index at end of book*
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Michigan Bolt & Nut Wks., ft. Meldrum, Detroit, Mich.
**Milton Mfg. Co., Milton, Pa.**
Moore Franklin Co., Winsted, Conn.
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
National Screw & Tack Co., Stanton av S E & C. & P. Ry., Cleveland, O.
**New Castle Steel & Iron Co., Pittsburgh, Pa.**
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh Pa.**
Payne's Bolt Works, 133 Howard, San Francisco, Cal.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See branch offices Alphabetical Section*
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Schaper Construction Material Co., 90 West, New York
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
**Skelly Thos P. Bolt Co., 24th & Carlton, Phila., Pa.**
Southern California Iron & Steel Co., 4th & Mateo, Los Angeles, Cal.
Standard Bolt Co., Columbus, O.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
Upson Nut Co. (Common, "Philadelphia," "Coleman Eagle"), Cleveland, O.

## 1063a— Bolts (Chain)

**EXCELSIOR WRAPPER CO.,** Sheboygan, Wis.
**EXCELSIOR WRAPPER CO.,** Grand Rapids, Mich.
**EXCELSIOR WRAPPER CO.,** 224 W Kinzie, Chicago, Ill.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
**STANLEY WORKS,** New Britain, Conn.
*See adv index at end of book*

## 1064-5— Bolts (Collar)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland *See adv index at end of book*
Bethlehem Steel Co., So Bethlehem, Pa.
Galvanized Products Co., Phillipsburg, N. J.
**Gary Screw & Bolt Co., Gary, Ind.**
Kirk-Latty Mfg. Co., 197 W 85th, Cleveland, O.
**Michigan Bolt & Nut Wks., ft. Meldrum, Detroit, Mich.**
National Acme Co. (Milled), 7500 Stanton av S E, Cleveland, O.
**Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.**
Rhode Island Tool Co., Providence, R. I.
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Scranton Bolt & Nut Co., Scranton, Pa.
Western Automatic Machine Screw Co., Elyria, O.

## 1066— Bolts (Countersunk)

See also Bolts, Plow; Bolts, Stove

American Equipment Co., Norristown, Pa.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland *See adv index at end of book*
Bayonne Bolt & Nut Co., Bayonne, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
**BOSS NUT CO.**, 1744 N Kolmar av, Chicago, Ill.
Buffalo Bolt Co., Buffalo, N. Y.
**Columbus Bolt Works Co., Columbus, O.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
**Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.**
Harrison Bolt & Nut Co., Harrison, N. J.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Michigan Bolt & Nut Wks., ft. Meldrum, Detroit, Mich.
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
**Republic Iron & Steel Co., Youngstown, O.** *See branch offices Alphabetical Section*
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Scranton Bolt & Nut Co., Scranton, Pa.
Standard Bolt Co., Columbus, O.
Western Automatic Machine Screw Co., Elyria, O.

## 1067— Bolts (Coupling)

Bethlehem Steel Co., So Bethlehem, Pa.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cleveland Shaft Spring Co. ("Shiperd" Shaft), Cleveland, O.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Gary Screw & Bolt Co. (Milled), Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co. (Nut, Tapped, etc), Pawtucket, R. I.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
National Acme Co. (Milled), 7500 Stanton av S E, Cleveland, O.
Niagara Screw Co., Buffalo, N. Y.
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co. (Milled), Preble av, Pittsburgh, Pa.
Rhode Island Tool Co. (Milled Haxagon Heads & Nuts), Providence, R. I.
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Scranton Bolt & Nut Co., Scranton, Pa.
**Steel Products Co., 2206 Clarkwood av, S. E. Cleveland, Ohio**
Upson Nut Co., Cleveland, O.
Western Automatic Machine Screw Co., Elyria, O.

## 1067a— Bolts (Cremone)

Phenix Mfg. Co., Milwaukee, Wis.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*

## 1068— Bolts (Cross-Arms)

American Equipment Co., Norristown, Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Galvanized Products Co., Phillipsburg, N. J.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
Michigan Bolt & Nut Wks., ft. Meldrum, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## 1069— Bolts (Crown-Bar)

Bethlehem Steel Co., So Bethlehem, Pa.
Gary Screw & Bolt Co., Gary, Ind.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## Bolts (Cultivator Point)

**See Bolts, Plow**

## Bolts (Cupboard)

See Bolts, Door & Window

## 1069a— *Bolts (Deck)

Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*

## 1070—Bolts (Door, Emergency Exit)

**Clark H. E. & Bros. (Brighton), Rochester, N. Y.**
Columbia Iron & Wire Wks Co., Canton, O.
**Corbin P. & F., New Britain, Conn.**
**Russell & Erwin Mfg. Co. ("Russwin Panic-Exit"), New Britain, Conn.**
Sargent & Co. (Fire Exit), New Haven, Conn.

## 1071—Bolts (Door & Window)

**ANKYRA MFG. CO.**, Wayne Junction, Phila., Pa. *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
**Auer John Jr. (Wrought, Flush, Flat, Store Door & Drop Door or Gate Bolts), 199 Middleton, Brooklyn, N. Y.**
Bolles Wm B. (Double Arm), P. O. Box 600 M, Milwaukee, Wis. *See adv index at end of book*
Brainerd Mfg. Co., E Rochester, N. Y.
Champion Hardware Co. **("Champion"** Mortise Door), Geneva, O.
Clark H. E. & Bros. (Brighton "Safety"), Rochester, N. Y.
**Columbus Brass Co., 538 Dublin av, Columbus, O.** *See adv index at end of book*
Corbin Cabinet Lock Co. (Double Door, etc), New Britain, Conn.
**Dent Hardware Co., Fullerton, Pa.**
Enterprise Hardware Mfg. Co., Frederick, Md.
**Enterprise Mfg. Co. (of Pa.), 3d & Dauphin, Phila, Pa.**
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Grey Iron Casting Co. (Cast), Mt. Joy, Pa.
Griffin Mfg. Co. (Wrought Steel), Erie, Pa.
Hardware Supply Co., Grand Rapids, Mich.
Highton Wm. & Sons Co. (Barn, Store, Door, etc.), Nashua, N. H.
**Ives H. B. Co., New Haven, Conn.**
McKinney Mfg. Co. (Door, Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
**Morewood Standard Safety Devices Co. (Panic), 253 B'way, New York**
New England Bolt Co., Everett, Mass.
Norwalk Lock Co., So. Norwalk, Conn.
Peck, Stow & Wilcox Co., Southington Conn.
Penn Hardware Co., Reading, Pa.

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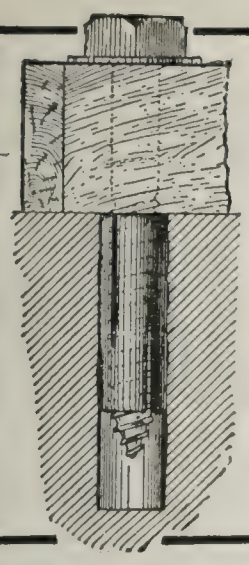
Foundry: Columbia, Pa.
Canadian Expansion Bolt Co. Toronto, Ont.



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**is *Unbreakable* and *Rust Proof*, has an even and uniform expansion the entire length of screw inserted, allowing the screw to make its own thread in the sleeve. The expansion begins at the first turn of screw, causing it to expand the outside of sleeve firmly against sides of hole, making a bind that is impossible to start, no pipe sleeve or wedge nut being required. These anchors are made of pure lead. The screw cuts its own thread easily.**

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**Peters Jas. & Son (Fire Door), 1934 N Front, Phila., Pa.**
**Pratt Wm. E. Mfg. Co. (Gravity Door), 35 W Lake, Chicago, Ill.**
**Reading Hardware Co., Reading, Pa.**
**Russell & Erwin Mfg. Co., New Britain, Conn.**
**Safe Padlock & Hardware Co., Lancaster, Pa.**
**Sargent & Co., New Haven, Conn.**
Sargent & Greenleaf, Inc. ("The Gem"), Rochester, N. Y.
*See adv index at end of book*
**Shelby Spring Hinge Co. (Wrought Steel), Shelby, O.**
**STANLEY WORKS** ("Dickey" Door & "Cremorne" Window Spring), (Wrought Steel & Brass), New Britain, Conn. *See adv index at end of book*
Taylor & Boggis Foundry Co. (Chain & Foot, etc), Cleveland, O.
Tolman I. W. (Spring Window), 38 Clifton, Worcester, Mass.
Wrightsville Hardware Co. (Cast), Wrightsville, Pa.

### 1072— Bolts (Drift)

**American Bolt Co., Birmingham, Ala.**
**American Equipment Co., Norristown, Pa.**
Ames W. & Co., Communipaw av, Jersey City, N. J.
*See adv index at end of book*
**BAYONNE BOLT & NUT CO.,** Bayonne, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L. C. Co., 114 Liberty, New York
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
**Larkin J. K. & Co., 34 Reade, New York**
*See adv index at end of book*
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Michigan Bolt & Nut Wks., ft. Meldrum, Detroit, Mich.
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
**New Castle Steel & Iron Co., Pittsburgh, Pa.**
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co. (Round & Square), 38th & Junction R R, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See branch offices Alphabetical Section*
**Rockford Bolt Co., 60 Mill, Rockford, Ill.**
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
**ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.**
*See adv index at end of book*
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
**Scranton Bolt & Nut Co., Scranton, Pa.**
**Severence S. Mfg. Co., 3d, Pittsburgh, Pa.**
Upson Nut Co., Cleveland, O.

### 1073— Bolts (Duplex Twin)

Star Expansion Bolt Co. ("SEBCO"), 145 Cedar, New York
*See adv index at end of book*

### Bolts (Elevator)

See Bolts, Belt or Elevator

### 1074— Bolts (Expansion)

See also Classifications Following
Ackerman-Johnson Co., 625 W Jackson blvd., Chicago, Ill.
American Expansion Bolt Co., 4077 Park, New York
**ANKYRA MFG. CO.** ("Ankyra"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Barrett Sales Co., 568 W Washington blvd, Chicago, Ill.
Brohard Co. ("Climax"), 3d & Lehigh, Phila., Pa.
Cameron Appliance Co., 48 Waters av, Everett, Mass.
**Chicago Expansion Bolt Co. ("Chicago"),** 324 W Washington, Chicago, Ill.
Chicago Nut Co. ("Ajax"), 2513 W 20th, Chicago, Ill.
Church Isaac ("O. K.," "Perfect," "Duplex"), East Norwalk, Conn.
**Columbus Brass Co., 538 Dublin av, Columbus, O.** *See adv index at end of book*
**DIAMOND EXPANSION BOLT CO.** ("Diamond," "Diamond N" & "Keystone," "Di-en-key," Brass & Iron), 89 West, New York
*See adv index at end of book*
Elec. Railway Equipment Co., Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Evans F. H., Est. of ("Crescent"), 31 Hewes, Brooklyn, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Garrison Brass & Machine Works ("Phillips"), 107 W 13th, New York.
Hubbard & Co. ("Pierce"), 63d & Butler, Pittsburgh, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
**McCABE HANGER MFG. CO.,** 426-428 W 25th, New York
*See adv index at end of book*
Monarch Expansion Bolt Co., 4326 W 1st, Duluth, Minn.
National Lead Co. ("Cinch"), 111 B'way, New York
New Jersey Fdy. & Mach. Co., 90 West, New York
Paine Co. ("Paine"), 140 S Dearborn, Chicago, Ill.
Parker Supply Co. ("Parker"), 785 E 135th, New York
Richmond Screw Anchor Co., Pulitzer bldg, New York
Savage Expansion Bolt Corp., 9 Desbrosses, New York

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For fastening all kinds of Construction to Brick or Stone. It is simple and strong. The cut shows shell after being expanded. Note inclined ways. The shell is one piece and made of malleable iron, therefore it cannot be broken or lost in using. Any U. S. Standard bolt will fit our hexagon nut, consequently bolt can be changed without changing shell and nut.

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New York, N. Y.

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Seaman A. C., 124 N 6th, Phila., Pa.
**STANNARD MFG. CO., ("Little Giant"),** 371 Allen, Springfield, Mass.
*See adv index at end of book*
**STAR EXPANSION BOLT CO. ("Star"** & "SEBCO," All Kinds), 145 Cedar, New York. *See adv index at end of book*


**STAR and SEBCO Expansion Shields**

Machine Bolt and Lag Screw Type

SAFE AND SURE

*Send for Complete Catalogue*

STAR EXPANSION BOLT CO.

145 Cedar St. New York
122 W. Lake St. Chicago


**Steward & Romaine Mfg. Co. (For Concrete),** 124 N 6th, Phila., Pa.
United States Expansion Bolt Co., 25 Elm, New York *See adv index at end of book*
**Van Expansion Bolt Mfg. Co. ("Van"),** 53 W Jackson blvd, Chicago, Ill.
Waterbury Mfg. Co., Waterbury, Conn.

## 1075—Bolts (Expansion, Brass)

Star Expansion Bolt Co., 145 Cedar, New York. *See adv index at end of book*
**UNITED STATES EXPANSION BOLT CO.,** New York
*See adv index at end of book*

## 1076—Bolts (Expansion, for Concrete Work)

**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
**DIAMOND EXPANSION BOLT CO.** ("Diamond," "Diamond N" & "Keystone," "Di-en-key"), 89 West, New York *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
**McCABE HANGER MFG. CO.,** 426-428 W 25th, New York
*See adv index at end of book*

## 1077—Bolts (Expansion, Single & Double)

**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
**DIAMOND EXPANSION BOLT CO.,** 89 West, New York
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.

## 1078— Bolts (Extension)

**Taylor & Boggis Foundry Co. (Flush, etc),** Cleveland, O.

## 1078a— Bolts (Eye)

See also Bolts, Hook & Eye; also Bolts, Ring; also Bolts, Swing or Eye.
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Laughlin Thos. Co., Portland, Me.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
*See adv index at end of book*
St. Louis Screw Co. (Welded), Clarence & Bulwer avs, St. Louis, Mo.
Stolz Jos. & Son, Inc., 841 E 36th, New York
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 1078b— Bolts (Finished)

Bell Co. (The), 1555 Fillmore av, Buffalo, N. Y. *See adv index at end of book*

## 1078c— Bolts (Flush)

Auer John Jr., 197 Middleton, B'klyn, N. Y.
Stanley Works, New Britain, Conn.
*See adv index at end of book*
Taylor & Boggis Fdy. Co., Cleveland, O.

## 1078d— *Bolts (Foot)

**STANLEY WORKS, New Britain, Conn.**
***See adv index at end of book***

## 1079— Bolts (Forged)

**American Equipment Co., Norristown, Pa.**
Bayonne Bolt & Nut Co., Bayonne, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
**Columbus Bolt Works Co., Columbus, Ohio**
Detroit Screw Works, 348 Franklin, Detroit, Mich.
**Eagle Bolt & Forging Co. (Hot Forged),** 1435 E 45th, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
**Kansas City Bolt & Nut Co., Kansas City,** Mo.
Laughlin Thos. Co., Portland, Me.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
*See adv index at end of book*
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Smith A. L. Iron Wks., Chelsea, Mass.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Williams J. H. & Co. (Eye Bolts, etc), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 1080— Bolts (Foundation)

**American Equipment Co., Norristown, Pa.**
Ames W. & Co., Communipaw av, Jersey City, N. J. *See adv index at end of book*
**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
**Bayonne Bolt & Nut Co., Bayonne, N. J.**
Bethlehem Steel Co., So Bethlehem, Pa.
**Cleveland City Forge & Iron Co., Cleveland, O.**
**Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.**
Erie Car Works, 1150 W 17th, Erie, Pa.
Galvanized Products Co., Phillipsburg, N. J.
**Gary Screw & Bolt Co., Gary, Ind.**
Graham Nut Co., Pittsburgh, Pa.
Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L C Co., 114 Liberty, New York
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M & Sons, 2907 Carson, Pittsburgh, Pa.
**Larkin J. K. & Co., 34 Reade, New York**
*See adv index at end of book*
**Maryland Bolt Co., Continental bldg,** Baltimore, Md.
Mead & Co., 75 Barclay, New York
*See adv index at end of book*
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
*See adv index at end of book*
Michigan Bolt & Nut Wks, ft. of Meldrum, Detroit, Mich.
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
New Castle Steel & Iron Co., Pittsburgh, Pa.
**OLD DOMINION IRON & STEEL CORP.,** Belle Isle, Richmond, Va.
*See adv index at end of book*
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
**Pittsburgh Rivet Co., 38th & Junction R R., Pittsburgh, Pa.**
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
**Republic Iron & Steel Co., Youngstown, O.**
*See branch offices Alphabetical Section*
Republic Structural Iron Wks Co., 1350 E 53d, Cleveland, O.
Rhode Island Tool Co., Providence, R. I.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.


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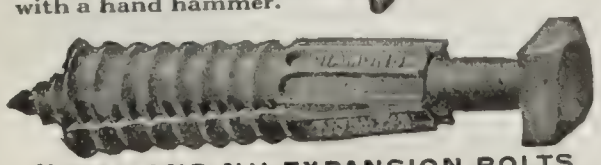
THE most economical means of drilling holes in brick, stone or concrete. Its saving in time and labor, and its convenience in use will in a short time pay the cost of the tool.

One man using the Diamond "Rapid Fire" Drill can with less effort deliver more effective blows, with eight to twenty times the speed, than with a hand hammer.



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For Use With Any Lag Screw

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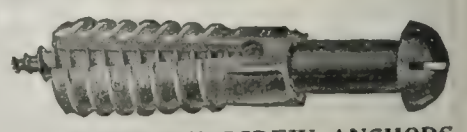

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For Use With Any Wood Screw

Patents Dec. 14, 1915

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89 WEST ST., NEW YORK

*Shoulder Pattern*

**Williams' "Vulcan" Drop-Forged Eye Bolts**

**Plain and Shoulder Patterns—Blank or Threaded**

**16 sizes—¼ to 2½ diameter of shank**

All are heat-treated after forging and each is "proof-tested" in a standard tension machine, thus absolutely assuring reliability.

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**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
**Scranton Bolt & Nut Co., Scranton, Pa.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Wendt Albert H., 456 E 2d, Cincinnati, O.**

## 1081— Bolts (Galvanized)

**American Equipment Co., Norristown, Pa.**
Ames W. & Co., Communipaw av, Jersey City, N. J.
*See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
**Bethlehem Steel Co., So Bethlehem, Pa.**
**Buffalo Bolt Co., Buffalo, New York**
**Empire Galvanizing Co., 2507 E Cumberland, Phila., Pa.**
Galvanized Products Co., Phillipsburg, N. J.
**Gary Screw & Bolt Co., Gary, Ind.**
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L. C. Co., 114 Liberty, New York
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
*See adv index at end of book*
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**

## 1082— *Bolts (Garage Door)

Bolles Wm. B. (Also Fire Escape, Factory, School & Theatre Door), P. O. Box 600M, Milwaukee, Wis.
*See adv index at end of book*
Phenix Mfg. Co., Milwaukee, Wis.
**STANLEY WORKS, New Britain, Conn.**
***See adv index at end of book***

## 1082a— Bolts (Hanger)

See also Screws, Hanger
**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*

## 1083— Bolts (Harvey Grip)

**Bethlehem Steel Co., So Bethlehem, Pa.**
Cleveland Wrought Products Co., W 58th & W. L. E. Belt Line, Cleveland, O.
**Kansas City Bolt & Nut Co., Kansas City, Mo.**

## 1084— Bolts (Heel)

American Bolt Co., Birmingham, Ala.
**Bethlehem Steel Co., So Bethlehem, Pa.**

## 1085— *Bolts (Hollow Tile)

**ANKYRA MFG. CO.** (For Making Fastenings in Hollow Tile Partitions), Wayne Junction, Phila, Pa.
*See adv index at end of book*

## 1086— Bolts (Hook Head)

See also Bolts, Ring
Ames W. & Co., Communipaw av, Jersey City, N. J. *See adv index at end of book*
Berry Bros. Columbus, O.
**Bethlehem Steel Co., So Bethlehem, Pa.**
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
**Haskell Wm. H. Mfg. Co., Pawtucket, R. I.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
**Maryland Bolt Co., Continental bldg. Baltimore, Md.**
**Mount Carmel Brass Foundry Works,** Mount Carmel, Conn.
**Pittsburgh Rivet Co., 38th & Junction R R.** Pittsburgh, Pa.
**Pittsburgh Screw & Bolt Co., Preble av.** Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Scranton Bolt & Nut Co., Scranton, Pa.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.

## 1087— Bolts (Hook & Eye)

See also Bolts, Ring; also Bolts, Eye; also Bolts, Swing or Eye
American Bridge Co., 30 Church, New York
Auer John Jr., 199 Middleton, Brooklyn N. Y.
Bethlehem Steel Co., So Bethlehem, Pa.
Billings & Spencer Co. (Drop Forged Eye), Hartford, Conn.
Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of book*
Clark Bros. Bolt Co., Milldale, Conn.
***See adv index at end of book***
Cleveland City Forge & Iron Co., Cleveland, O.
Eureka Co. (Eye Bolts Only), North East, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Force Chas. C. & Son, Madison, N. J.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
**Harrison Electric Co., 411 Van Brunt,** Brooklyn, N. Y.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Jencks E. Mfg. Co. (Wrought), Worcester, Mass.
**Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lakeside Forge Co. (Drop Forged), Erie, Pa. *See adv index at end of book*
**Lamson & Sessions Co., 2188 Scranton rd,** S W, Cleveland, O.
Lanz M & Sons, 2907 Carson, Pittsburgh, Pa.
**Laughlin Thos. Co. (Eye), Portland, Me.**
Marine Hardware-Equipment Co. (Eye & "Mheco"), South Portland, Me.
**MERRILL BROS.** (Eye, Drop Forged), 3 Arnold, Maspeth (Boro of Queens), New York *See adv index at end of book*
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
**Moran Bolt & Nut Mfg. Co., 1st & Florida,** St. Louis, Mo.
New Castle Steel & Iron Co., Pittsburgh, Pa.
**New England Bolt Co., Everett, Mass.**
Oliver Iron & Steel Co., S 10th & Muriel, **Pittsburgh, Pa.**
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
**Pittsburgh Rivet Co., 38th & Junction** R R, Pittsburgh, Pa.
**Pittsburgh Screw & Bolt Co., Preble av,** Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See branch offices Alphabetical Section*
Rhode Island Tool Co. (Blank or Threaded Steel Eye), Providence, R. I.
**Rockford Bolt Co., 60 Mill, Rockford, Ill.**
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Sargent & Co. (Eye), New Haven, Conn.
Scranton Bolt & Nut Co., Scranton, Pa.
Steward & Romaine Mfg. Co., 124 N 6th, Phila., Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Strieby & Foote Co. (Drop Forged), 301 Ogden, Newark, N. J.
**Upson Nut Co., Cleveland, O.**
Wickwire, Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc. (Screw, Nut & Drive), Middletown, Conn.
*See adv index at end of book*
Wilcox D. Mfg. Co. (Drop Forged Eye), Mechanicsburg, Pa.
Williams J. H. & Co. ("Vulcan" Drop-Forged Weldless), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*
Winchester Repeating Arms Co. (Weldless Drop Forged, Blank & Threaded), New Haven, Conn.

## 1087a—Bolts (Insulated Suspension)

Cutter Geo. Co. ("Cutters"), South Bend, Ind.
Electrose Mfg. Co. ("Electrose"), 70 Washington, Brooklyn, N. Y.
**GENERAL ELECTRIC CO.,** Schenectady N. Y. *See adv index at end of book*
Line Material Co., S Milwaukee, Wis.

## 1088— Bolts (Key)

Bethlehem Steel Co., So Bethlehem, Pa.
Buffalo Bolt Co., Buffalo, N. Y.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**

BOLTS (KEY)—continued

Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Upson Nut Co., Cleveland, O.

## 1089— Bolts (King)

Bethlehem Steel Co., So Bethlehem, Pa.
Bonney Vise & Tool Works, Inc. (Also Pins), Allentown, Pa.
*See adv index at end of book*
Detroit Screw Works (Hardened & Ground, Automobile), 348 Franklin, Detroit, Mich.
Ford-Clark Co., 3125 Perkins av, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Harvey Spring & Forging Co. (Wagon), Racine, Wis.
Kidder R. E. Co. (Automobile Pins), Worcester, Mass.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, O.

## 1089a— Bolts (Lag)

See also Bolts, Screw & Nut Eye.

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
**BOSS NUT CO.,** 1744 No. Kolmar av, Chicago, Ill.
Columbus Bolt Works Co., Columbus, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 1090— Bolts (Loom)

Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Standard Bolt Co., Columbus, O.
Upson Nut Co., Cleveland, O.

## 1091— Bolts (Machine)

American Bolt Co., Birmingham, Ala.
American Equipment Co., Norristown, Pa.
Ames W. & Co., Communipaw av, Jersey City, N. J. *See adv index at end of book*
Arghis E. J. & Co., 74 Wall, New York
Armstrong & Parker, 361 Guilford av, Baltimore, Md.
**ATLAS BOLT & SCREW CO.,** 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Ballard Drop Forge Co., Seattle, Wash.
Bassett D. M. Bolt Works, Shelton, Conn.
**BAYONNE BOLT & NUT CO.** (also Carriage), Bayonne, N. J.
Berry Bros., Columbus, Ohio.
Bethlehem Steel Co., So Bethlehem, Pa.
**BOSS NUT CO.,** 1744 N. Kolmar av, Chicago, Ill.
Buffalo Bolt Co., Buffalo, N. Y.
Cambria Steel Co., Widener bldg, Phila., Pa.
**CLARK BROS. BOLT CO.,** Milldale, Conn.
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. L. E. Belt Line, Cleveland, O.
Colorado Fuel & Iron Co., Denver, Colo.
Columbus Bolt Works Co., Columbus, O.
Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Falls Rivet Co. Kent O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Gaskell Wm. & Son, 59 Freeman, Brooklyn, N. Y.
Graham Mfg. Co., Cleveland, O.
Graham Nut Co., Pittsburgh, Pa.
Greenlie-Halliday Co., 499 Water, New York
Hallett Iron Works, Harvey, Ill.
Harper F. C. Screw Wks, 19 E 8th, Chicago, Ill.
Harrison Bolt & Nut Co., Harrison, N. J.
Harry L. C. Co., 114 Liberty, New York
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
**IRONBOUND HARDWARE & SUPPLY HOUSE** 228 Ferry, Newark, N. J.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
*See adv index at end of book*
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lake Erie Bolt & Nut Co., ft of E 63rd, Cleveland O.
Lamson & Sessions Co. ("Buckeye"), 2188 Scranton rd, S W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
**LARKIN J. K. & CO.,** 34 Reade, New York
*See adv index at end of book*
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Link-Belt Co., 329 W 39th, Chicago, Ill. & Hunting Park av & P & R Ry, Phila, Pa.
*See adv index at end of book*
Lorain Steel Co., Johnstown, Pa.
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Mead & Co., 75 Barclay, New York
*See adv index at end of book*
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York
*See adv index at end of book*
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
National Screw & Tack Co., Stanton av, S E & L. & P. Ry, Cleveland, O.
New Castle Steel & Iron Co., Pittsburgh, Pa.
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
Old Dominion Iron & Steel Corp., Richmond, Va.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See branch offices Alphabetical Section*
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg., & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulver avs, St. Louis, Mo.
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Schaper Construction Material Co., 90 West, New York
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith Thos. Co., Worcester, Mass.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Standard Bolt Co., Columbus, O.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
Upson Nut Co., Cleveland, O.

## 1092— Bolts (Mooring Post)

Ames W & Co., Communipaw av, Jersey City, N. J. *See adv index at end of book*
Bayonne Bolt & Nut Co., Bayonne, N. J.
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
Western Automatic Machine Screw Co., Elyria, O.

## 1093— *Bolts (Naval Brass)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
Waterbury Mfg. Co., Waterbury, Conn.

## 1094— Bolts (Neck)

National Screw & Tack Co. ("O. H. Fin"), Stanton av S E & C & P. Ry., Cleveland, O.
**STANLEY WORKS** (Wrought Steel), New Britain, Conn.
*See adv index at end of book*

## 1095—Bolts (Nut & Screw Ring)

Harrison Bolt & Nut Co., Harrison, N. J.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
Pheoll Mfg. Co., 5700 W 12th, Chicago, Ill.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 1096— Bolts (Planer Head)

Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hope Wm. H. Co.e (Also Screws), Lowell, Mass.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Niagara Screw Co., Buffalo, N. Y.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Smith Thos. Co., Worcester, Mass.
Western Automatic Mach. Screw Co., Elyria, O.

## 1097— Bolts (Plow)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
**BOSS NUT CO.,** 1744 N Kolmar av, Chicago, Ill.
**CLARK BROS. BOLT CO.,** Milldale, Conn.
*See adv index at end of book*
Columbus Bolt Works Co., Columbus, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Philadelphia, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lake Erie Bolt & Nut Co., ft E 63d, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.

Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Standard Bolt Co., Columbus, O.
Towers & Sullivan Mfg. Co., Rome, Ga.
Upson Nut Co., Cleveland, Ohio

## 1098— *Bolts (Plumbers')

**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*

## 1099— Bolts (Ring)

Auer J. Jr., 199 Middleton av, Bklyn., N. Y.
Harrison Bolt & Nut Co., Harrison, N. J.
Harvey Spring & Forging Co., Racine, Wis.
Laughlin Thos. Co., Portland, Me.
Marine Hardware-Equip. Co., So. Portland, Me.
*See adv index at end of book*
Steel Products Co., 2206 Clarkwood av S E, Cleveland, Ohio
Stolz Jos. & Son, Inc., 841 E 136th, New York
Union Forging Co., Union, N. Y.

## Bolts (Roof)

**See Bolts, Bridge & Structural**

## 1100—Bolts (Screw & Nut Eye)

Ames W. & Co., (Screw), Communipaw av, Jersey City, N. J.
*See adv index at end of book*
**BOSS NUT CO.,** 1744 N Kolmar av, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Harrison Bolt & Nut Co., Harrison, N. J.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
Wilcox, Crittenden & Co., Middletown, Conn. *See adv index at end of book*

## 1101— Bolts (Shackle)

Bard Mfg. Co. (Spring Shackle), Royersford, Pa.
Blakeslee Forging Co. (Milled), Plantsville, Conn.
Bowen Products Corp. (Spring with Integral Lubricators) Divs., Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., and Winsdor, Ont., Can.
*See adv index at end of book*
Brown Co. ("Brown" Spring for Automobiles), Syracuse, N. Y.
Buffalo Bolt Co., Buffalo, N. Y.
CLARK BROS. BOLT CO., Milldale, Conn.
*See adv index at end of book*
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Ford-Clark Co., 3125 Perkins av, Cleveland, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Fostoria Screw Co., Fostoria, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lamson & Sessions Co., 2788 Scranton rd, S W, Cleveland, O.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
Moore Franklin Co., Winsted, Conn.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Spafford Machine Screw Wks., Hartford, Conn.
Standard Turnbuckle Co., Corry.
Steel Products Co., 2206 Clarkwood av S E, Cleveland, Ohio
Upson Nut Co., Cleveland, O.
Western Automatic Machine Screw Co., Elyria, Ohio

## 1102— Bolts (Shaft)

Cleveland Shaft Spring Co. ("Shiperd" Coupling), Cleveland, O.
Columbus Bolt Works Co. (T Head Shaft), Columbus, O.
Corbin Screw Corporation (Reverse Helicoid), New Britain, Conn.
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.

## 1103—*Bolts (Sheet Metal Fastening)

**ANKYRA MFG. CO.** (For Metal Sashes, Frames, etc), Wayne Junction, Phila., Pa. *See adv index at end of book*

## 1104— Bolts (Shutter)

**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
STANLEY WORKS (Wrought Steel), New Britain, Conn.
*See adv index at end of book*
Wrightsville Hardware Co., Wrightsville, Pa.

## 1105— Bolts (Sink)

American Screw Co., 21 Stevens, Providence, R. I.
**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
Atlas Bolt & Screw Co. (Iron & Brass), 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Berry Bros., Columbus, O.
Central Foundry Co., 90 West, New York
Corbin Screw Corporation, New Britain, Conn.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
National Screw & Tack Co., Stanton av, S E, & C. & P. Ry, Cleveland, O.
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Upson Nut Co., Cleveland, O.

## 1106— Bolts (Sleigh Shoe)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Berry Bros., Columbus, O.
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Corbin Screw Corporation (Plain & Reverse Helicoid), New Britain, Conn.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lake Erie Bolt & Nut Co., ft E 63d, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Michigan Bolt & Nut Wks., ft. Meldrum Detroit, Mich.
Moore Franklin Co., Winsted, Conn.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Upson Nut Co., Cleveland, O.

## 1107— Bolts (Socket)

Bethlehem Steel Co., So Bethlehem, Pa.
Bignall Co., Medina, N. Y.
Gary Screw & Bolt Co., Gary, Ind.
Marine Hardware Equipment Co. ("Acme" & "Mheco"), So. Portland, Me.
*See adv index at end of book*

## 1107a— *Bolts (Special)

Galvanized Products Co., Phillippsburg, Pa.
Roe & Conover, 206 Frelinghuysen av Newark, N. J.
*See adv index at end of book*

## 1108—Bolts (Split Pipe, Expansion)

Steward & Romaine Mfg. Co., 124 N 6th, Phila., Pa.

## 1109— Bolts (Spring)

Bard Mfg. Co. (Spring Shackle), Royersford, Pa.
Bolles Wm. B. ("Projected"), P. O. Box 600M, Milwaukee, Wis.
*See adv index at end of book*
**BOWEN PRODUCTS CORP.,** Auburn Div., Divs. Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., & Winsdor, Ont., Canada.
*See adv index at end of book*
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Ford-Clark Co., 3125 Perkins av, Cleveland, O.
Fostoria Screw Co., Fostoria, O.
Spafford Machine Screw Wks., Hartford, Conn.
Stanley Works, New Britain, Conn.
*See adv index at end of book*
Lander, Nary & Clark, New Britain, Conn.
Steel Products Co., 2206 Clarkwood av S E, Cleveland, Ohio
Upson Nut Co., Cleveland, O.

## 1109a— Bolts (Square)

Harrison Bolt & Nut Co., Harrison, N. J.
Pittsburg Rivet Co., 38th & Junction R R, Pittsburg, Pa.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1110— Bolts (Stay)

**See also Bolts, Boiler Stay**

American Flexible Bolt Co. ("American" Flexible), Union Bank bldg, Pittsburgh, Pa.
Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of book*
Breakless Staybolt Co., Thompson av, Pittsburgh, Pa.
Falls Hollow Staybolt Co., Cuyahoga Falls, Ohio
Flannery Bolt Co. ("Tate" Flexible), Vanadium bldg, Pittsburgh, Pa.
Flexible Bolt Co. ("Breakless" Flexible), Thompson av, Pittsburgh, Pa.
Fort Wayne Iron Steel Rolling Mills, Fort Wayne, Ind.
*See adv index at end of book*

STAY BOLTS
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Fort Wayne Iron Steel Rolling Mills
West Taylor St., Fort Wayne, Ind.

Hoopes & Townsend Co. (Hollow & Solid Steel), Broad & Buttonwood, Phila, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburg, Pa.
Ryerson J.. T. & Son (Seamless Hollow), 910 Corn Exchange bldg, & 16th & Rockwell
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## 1111—Bolts (Steering Knuckle)

Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Spafford Machine Screw Wks., Hartford, Conn.

## 1112-13— Bolts (Stove)

American Equipment Co., Norristown, Pa.
American Screw Co., 21 Stevens, Providence, R. I.
ATLAS BOLT & SCREW CO., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Berry Bros., Columbus, O.
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Corbin Screw Corporation, New Britain, Conn.
Falls Rivet Co., Kent, O.
Fanner Mfg. Co., Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gary Screw & Bolt Co., Gary, Ind.

BOLTS (STOVE)—continued
Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.
Harrison Bolt & Nut Co., Harrison, N. J.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Kirk-Latty Mfg. Co., 1971 W. 85th, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Londeluis C. A. & Sons Co., 847 W 63rd, Chicago, Ill.
Merchant & Evans, Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Lock Co., Rockford, Ill.
National Screw & Tack Co., Stanton av, S. E., & C. & P. Ry, Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
Paine Co., 140 S Dearborn, Chicago, Ill.
Reading Screw Co. (Also Nickel Plated), Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Upson Nut Co., Cleveland, O.
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.

## 1114—Bolts (Strap, Wagon Box)

Bethlehem Steel Co., So Bethlehem, Pa.
Harvey Spring & Forging Co., Racine, Wis.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.

## 1115— Bolts (Stud)

Arghis E. J. & Co., 74 Wall, New York
Bethlehem Steel Co., So Bethlehem, Pa.
Buffalo Bolt Co., Buffalo, N. Y.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Corbin Screw Corp., New Britain, Conn.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Ferry Cap & Set Screw Co., 2151 Scranton rd S W, Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gary Screw & Bolt Co. (Rough & Milled), Gary Ind.
Greenlie-Halliday Co., 499 Water, New York
Hartford Machine Screw Co., Hartford, Conn.
Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill Geo. Q. Co. Framingham, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1917 W. 85th, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburg, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Michigan Bolt & Nut Wks. (Rough), ft. Meldrum, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av, S. E., Cleveland, O.
New England Bolt Co., Everett, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
Phila. Machine Screw Works, 624 Race, Phila., Pa.
Pittsburgh Screw & Bolt Co. (Rough & Milled), Preble av., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices, Alphabetical Section*
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.

Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith Thomas Co., Worcester, Mass.
Standard Bolt Co., Columbus, O.
Standard Turnbuckle Co., Corry, Pa.
Steel Products Co., 2206 Clarkwood av S E, Cleveland, Ohio
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Upson Nut Co., Cleveland, O.
Western Automatic Mach. Screw Co., Elyria, O.

## 1116— Bolts (Swing or Eye)

Harrison Bolt & Nut Co., Harrison, N. J.
Jencks E. Mfg. Co. (Wrought), Worcester, Mass.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Parker Wire Goods Co. (Wrought), Worcester, Mass.
Wickwire, Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 1117— Bolts (Tap)

Bethlehem Steel Co., So Bethlehem, Pa.
BOSS NUT CO., 1744 N Kolmar av, Chicago, Ill.
Buffalo Bolt Co., Buffalo, N. Y.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
CLARK BROS. BOLT CO. (& Set-Screws), Milldale, Conn.
*See adv index at end of book*
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland. O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Greenlie, Wyatt & Co., 499 Water, New York
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W. 85th, Cleveland, O.
Lake Erie Bolt & Nut Co., ft E 63d, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Lanz M. & Sons Co., 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Mead & Co., 75 Barclay, New York
*See adv index at end of book*
Michigan Bolt & Nut Works (Forged), ft. of Meldrum, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
New England Bolt Co., Everett, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices, Alphabetical Section*
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Smith Thos. Co., Worcester, Mass.
Upson Nut Co., Cleveland, O.
Western Automatic Machine Screw Co., Elyria, O.

## 1118— Bolts ("T" Head)

American Equipment Co., Norristown, Pa.
Ames W. & Co., Communipaw av, Jersey City, N. J. *See adv index at end of book.*
Buffalo Bolt Co., Buffalo, N. Y.
Cleveland Wrought Products Co., W 58th & W & L. E. Belt Line, Cleveland, O.
Eagle Bolt & Forging Co. (Standard & Special, 1435 E. 45th, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Harrison Bolt & Nut Co., Harrison, N. J.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## 1119— Bolts (Thumb)

St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Western Automatic Machine Screw Co., Elyria, Ohio

## 1120— Bolts (Tire)

American Screw Co., 21 Stevens, Providence, R. I.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Berry Bros., Columbus, O.
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Columbus Bolt Works Co., Columbus, O.
Corbin Screw Corporation, New Britain, Conn.
Falls Rivet Co., Kent, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland. O.
Harrison Bolt & Nut Co., Harrison, N. J.
Haydon A. & M., 304 N 22d, Phila., Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kirk-Latty Mfg. Co., 1971 W. 85th, Cleveland, O.
Lamson & Sessions Co. ("Buckeye"), 2188 Scranton rd S W, Cleveland, O.
National Screw & Tack Co., Stanton av, S. E., & C. & P. Ry, Cleveland, O.
New England Bolt Co., Everett, Mass.
Ohio Nut & Bolt Co., Berea, O.
Reading Screw Co., Norristown, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell Burdsall & Ward Bolt & Nut Co., ("Empire") Port Chester, N. Y.
Skelly Thos. P. Bolt Co., 24th & Carlton, Phila., Pa.
Upson Nut Co. (Common & "Philadelphia"), Cleveland, O.

## 1121—*Bolts (Tobin Bronze)

AMERICAN BRASS CO., Waterbury, Conn.
*For branch offices see adv index at end of book*

## 1122— Bolts (Toggle)

ANKYRA MFG. CO. ("Ankyra"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Bethlehem Steel Co., So Bethlehem, Pa.
Bonnell W. A., 192 Chambers, New York
Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.
Chicago Expansion Bolt Co. ("Chicago"), 324 W Washington, Chicago, Ill.
Chicago Nut Co. ("Ajax"), 617 W Jackson blvd, Chicago, Ill.
Church Isaac, East Norwalk, Conn.
Cutter Geo. Co., South Bend, Ind.
DIAMOND EXPANSION BOLT CO. ("Diamond" Iron, Steel & Brass), 89 West, New York *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Garrison Brass & Mach. Wks., 149 W 35th, New York
Grabler Mfg. Co., Cleveland. O.
Harrison Bolt & Nut Co., Harrison, N. J.
National Metal Molding Co., 1110 Fulton Bldg, Pittsburgh, Pa.
Paine Co., 140 S. Dearborn, Chicago, Ill.
Parker Supply Co., 785 E 135th, New York

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

**STAR EXPANSION BOLT CO.** ("SEBCO," "Star" All Kinds), 145 Cedar, New York *See adv index at end of book*


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Waldman John J., 64 Murray, New York
**U. S. EXPANSION BOLT CO.,** 25 Elm, New York *See adv index at end of book*
**Wrigley Thos. Co.** ("Wrigley," Patented Steel), 504 Sherman, Chicago, Ill.

## 1123—Bolts (Toggle, Boiler Patch)

Star Expansion Bolt Co., 145 Cedar, New York *See adv index at end of book*
**Steward & Romaine Mfg. Co. (For Range Boilers), 124 N 6th, Phila., Pa.**

## 1124— Bolts (Track)

**American Bolt Co., Birmingham, Ala.**
**American Equip. Co. (Steel), Norristown, Pa.**
**Ames W. & Co., Communipaw av, Jersey City, N. J.** *See adv index at end of book*


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**BAR IRON**

Rail Splice Bars

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Manufacturers JERSEY CITY, N. J.


Arghis E. J. & Co., 74 Wall, New York
**Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.**
**Bayonne Bolt & Nut Co., Bayonne, N. J.**
**Bethlehem Steel Co. ("Never Turn," "Mayari"), So. Bethlehem, Pa.**
**Buffalo Bolt Co., Buffalo, N. Y.**
**Cambria Steel Co., Widener bldg, Phila., Pa.**
Colorado Fuel & Iron Co., Denver, Colo.
**Continental Bolt & Iron Works, 2225 W 43rd, Chicago, Ill.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
**FISHEL & MARKS CO.,** ft of Krakow av, Cleveland, O. *See adv index at end of book*
**Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.**
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Harrison Bolt & Nut Co., Harrison, N. J.
**Hoopes & Townsend Co., Broad & Buttonwood, Philadelphia, Pa.**
**Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.**
**Illinois Steel Co., 208 S La Salle, Chicago, Ill.**
**Inland Steel Co., First Nat'l Bank bldg, Chicago, Ill.**
**Judson Mfg. Co., 819 Folsom, San Francisco, Cal.**
**Kansas City Bolt & Nut Co. ("Harvey Grip"), Kansas City, Mo.**
Kirk-Latty Mfg. Co., 1917 W 85th, Cleveland, O.
**Lake Erie Bolt & Nut Co., ft E 63d, Cleveland, O.**
**Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.**
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
**LARKIN J K. & CO.,** 34 Reade, New York *See adv index at end of book*
**Maryland Bolt Co., Continental bldg, Baltimore, Md.**
**Michigan Bolt & Nut Wks., ft. of Meldrum, Detroit, Mich.**
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
**New Castle Steel & Iron Co., Pittsburgh, Pa.**
**New England Bolt Co., Everett, Mass.**
**Oliver Iron & Steel Co. (Threads Rolled or Cut in Oil), S 10th & Muriel, Pittsburgh, Pa.**
**Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.**
**Pottsville Bolt Co., Pottsville, Pa.**
**Republic Iron & Steel Co., Youngstown, O.** *See Branch Offices, Alphabetical Section*
Roe & Conover, 206 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Steel Car Forge Co. (Rolled or Cut Thread), Frick bldg, Pittsburgh, Pa.
Upson Nut Co., Cleveland, O.

## 1124a— *Bolts (Transom)

Stanley Works, New Britain, Conn. *See adv index at end of book*

## 1125—*Bolts (Trolley Span, Wire Work)

Standard Supply & Equipment Co., Cherry & 13th, Phila., Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*

## 1126— Bolts ("U")

See also Staples, Nutted

**American Equipment Co., Norristown, Pa.**
**Ames W. & Co., Communipaw av, Jersey City, N. J.** *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill. *See adv index at end of book*
Galvanized Products Co., Phillipsburg, N. J.
Harrison Bolt & Nut Co., Harrison, N. J.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), New York *See adv index at end of book*
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
**Ohio Nut & Bolt Co., Berea, O.**
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
**Pittsburgh Rivet Co., 38th & Junction R R, Pittsburgh, Pa.**
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Standard Turnbuckle Co., Corry, Pa.
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
Upson Nut Co., Cleveland, O.

## 1127—*Bolts (Wall Fixture)

**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*

## 1128— Bolts (Wall Plate)

**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
**Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.**
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn. *See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 1129—Bolts (Water Closet Indicator)

**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa. *See adv index at end of book*
**Columbus Brass Co., 538 Dublin av, Columbus, O.** *See adv index at end of book*
Edwardsville Brass Co., Edwardsville, Ill.
Penn Hardware Co., Reading, Pa.
**Russell & Erwin Mfg. Co., New Britain, Conn.**

## 1130— Bolts (Whiffletree)

Atwater Mfg. Co., Plantsville, Conn.
Columbus Bolt Works Co., Columbus, O.
Eagle Bolt & Forging Co., 1435 E. 45th, Cleveland, O.
Harrison Bolt & Nut Co., Harrison, N. J.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Marine Hardware-Equipment Co., South Portland, Me. *See adv index at end of book*
Moore, Franklin Co., Winsted, Conn.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Upson Nut Co., Cleveland, O.


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### 1130a— Bolts and Nuts

Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Central Tool & Supply Co. (Wholesale), 803 W Madison, Chicago, Ill.
**RYERSON JOS. T. & SON** (Merchants), 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.; 2218 N. 2nd, St. Louis, Mo.; 30 Church, New York; 726 Ford bldg, Detroit, Mich.
Simons & Mills, Inc., 25 Leonard, New York
Trum E. J., Inc., 57 3rd, Brooklyn, N. Y.

### 1130b—Bolts & Screws (Special)

Bell Co., The ("S. A. E. Screws & Bolts"), 1555 Fillmore av, Buffalo, N. Y. *See adv index at end of book*

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### 1131— Bone-Ash

Denver Fire Clay Co., Denver, Colo.
Drakenfeld B. F. & Co. (Dealer), 50 Murray, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Heil Henry Chemical Co. (Imported), St. Louis, Mo.
United Chem. & Organic Products Co., 111 Washington, Chicago, Ill.
Wiarda Jno. C. & Co. (White), 273 Greene, Brooklyn, N. Y.

### 1132— Bone Black

See also Rawbone, Granulated

American Agricultural Chemical Co., 2 Rector, New York
Baker H. J. & Bro. (Discard, Dissolved, etc Dealers), 81 Fulton, New York
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Binney & Smith Co. (& Blacks of Every Description), 81 Fulton, New York
Fezandie Felix, 205 Fulton, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Listers Agricultural Chemical Works, 2 Rector, New York
Michigan Carbon Works, 7 Formon, Detroit, Mich.
Seaver & Co., 120 Milk, Boston, Mass.
Siemon & Elting, 99 Nassau, New York
Smith J. Lee & Co., 10 Jacob, New York
Uhlich Paul & Co. (Selling Agent), 11 Cliff, New York

### 1133— Bone Dealers

Baker H. J. & Bro. (Rough & Ground. Imp), 81 Fulton, New York
Brand Herman, 404 E 48th, New York
Consolidated Rendering Co., 40 N Market, Boston, Mass.
Dold Jacob, Packing Co. (Steamed Bone), Buffalo, N. Y.
Hollingshurst & Co. (Importers), 66 Beaver, New York
Pittsburgh Provision & Packing Co. (Sawed, etc), Herrs Island, Pittsburgh, Pa.
Van Iderstine Co. (Steamed Ground) Long Island City, New York
White Thos. H. & Co., 11 S Gay, Baltimore, Md.
Wilson & Co., 41st & Ashland av, Chicago, Ill.

### 1134— Bone (Ground)

Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Bell & Gossett (Case-Hardening), 609 W 30th, Chicago, Ill.
Dockwiler & Kingsbury Co., Indianapolis, Ind.
Hafleigh & Co. Cambria & No American, Phila., Pa.
Page Carroll S., Hyde Park, Vt.
Pittsburgh Provision & Packing Co., Herrs Isl., Pittsburgh, Pa.
Rogers Mfg. Co., Rockfall, Conn.
Rogers & Hubbard Co., Middletown, Conn.
Wilson & Co., 41st & Ashland av, Chicago, Ill.

### 1135— Bone-Meal

See also Bone-Black; also Rawbone, Granulated

American Agricultural Chemical Co., 2 Rector, New York
Armour Fertilizer Works, U. S. Yards, Chicago, Ill.
Baker H. J. & Bro. (Importers of Calcutta, Bombay, etc), 81 Fulton, New York
Baugh & Sons Co., 20 S. Delaware av, Phila., Pa.
Consolidated Rendering Co., 40 N Market, Boston, Mass.
Cooper's Peter Glue Factory, Gowanda, N. Y.
Hafleigh & Co., Cambria & No. America, Phila., Pa.
Heller Jos. S. (Imp.), 62 William, New York
Hollingshurst & Co. (Raw Imp.), 66 Beaver, New York
Munro Robt. A. & Co. (Imp.), 25 Pine, New York
Nitrate Agencies Co. (Imp.), 102 Pearl, New York
Pittsburgh Provision & Packing Co. (Raw), Herrs Isl, Pittsburgh, Pa.
Swift & Co., Union Stock Yards, Chicago, Ill.
White Thos. H. & Co. (Importers), 11 S Gay, Baltimore, Md.

### 1135a— Bone (Steamed)

Joslin-Schmidt Co. (Hard), 3223 Spring Grove av, Cincinnati, O.
United Chemical & Organic Products, 111 W. Washington, Chicago, Ill.

### 1135b—*Book Binding Material (Leather Type)

Zapon Leather Cloth Co. (formerly Boston Artificial Leather Co., Leather Cloth), 200 5th av, New York *See adv index at end of book*


**Strong and Durable Leather Cloth.**

Perfect and permanent colors and grains. Zapon takes embossing and hot press printing effectively. It pastes readily, cuts easily and economically. "It wears —And Wears—And Wears."

**ZAPON LEATHER CLOTH CO.**
**200 FIFTH AVE., NEW YORK, N. Y.**

ZAPON Leather Cloth


### 1136— Book Cases

Acme Kitchen Furniture Co., Chattanooga, Tenn.
Aimone Mfg. Co. (Combination), 430 E 23d, New York
Andrews A. H. Co. (Combination, Revolving & Sectional), 107 S Wabash av, Chicago, Ill.
Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*
Automatic File & Index Co. (Sectional), Green Bay, Wis.
Buchanan Cabinet Co. (Revolving), Buchanan, Mich.
Canton Furniture Mfg. Co. (Sectional & Revolving), Canton, O.
Central Wood Turning Co. (To Order) 610 N E Main, Minneapolis, Minn.
Conrey D. L. Furniture Co. (Combination), Shelbyville, Ind.
Co-Operative Furniture Co. (Combination), Rockford, Ill.
Derby Desk Co., Somerville, Mass.
Dexter H. C. Chair Co. (Mission), Black River, N. Y.
Diven Mfg. Co. (Sectional), Elmira, N. Y.
Dornette J. & Bro. Co. (Sectional), 1250 Harrison av, Cincinnati, O.
Forest City Furniture Co. (Sectional), Rockford, Ill.
Globe-Wernicke Co. (Sectional), 25 Carthage av, Cincinnati, O.
Grand Rapids Bookcase & Chair Co., Hastings, Mich.
Gunn Furniture Co. (Sectional), Grand Rapids, Mich.
Hale F. E. Mfg. Co. (Sectional), Herkimer, N. Y.
Humphrey-Widman Bookcase Co. (Sectional), Kirby & 14th, Detroit, Mich.
Ideal Desk Co. (Sectional Folding), Auburn, Me.
Library Bureau (Sectional), 43 Federal, Boston, Mass.
Lundstrom C. J. Mfg. Co. (Sectional), Little Falls, N. Y.
Macey Co. (Sectional), Grand Rapids, Mich.
New Farson Mfg. Co., Chester, Pa.
Rockford Standard Furniture Co. (Combination), Rockford, Ill.
Sargent Mfg. Co. (Revolving), Muskegon, Mich.
Snead & Co. (Metallic), Jersey City, N. J.
Udell Works, Indianapolis, Ind.
Weis Mfg. Co. ("Weis" Sectional), Monroe, Mich.
Widman J. C. Bookcase Co. (Sectional), 1143 14th, Detroit, Mich.

### 1136a—*Bookkeeping Systems

**HOLMES E. J. & CO.**, 110 S Dearborn, Chicago, Ill.
*See adv index at end of book*

### Book Stacks (Fire-Proof)

See Library Shelving & Fittings, Metallic

### 1136b— Books (Accounting)

**HOLMES E. J. & CO.**, 110 S Dearborn, Chicago, Ill.
*See adv index at end of book*

### 1137—Books (Copying, Letter)

Bailey Mfg. Co., Berlin, Conn.
Boorum & Pease Co., 109 Leonard, New York
Bushnell Alvah Co, Phila., Pa.
Mann Wm. Co., 529 Market, Phila., Pa.
New York Blank Book Co., 316 Hudson, New York
Razall H. G. Mfg. Co., 300 7th av, Milwaukee, Wis.
Shaw J. G. (The) Blank Book Co., 72 Walker, New York
Western Tablet Co., St. Joseph, Mo.
Whittelsey F. H. Co., Windsor Locks, Conn.

### 1137a— Books (Coupon)

Allison Coupon Co., Indianapolis, Ind.
Rand McNally & Co. (Self-Indicating), 538 S Clark, Chicago, Ill.
Southern Coupon Co., Birmingham, Ala.

### 1138— Books (Field)

Keuffel & Esser Co., Hoboken, N. J.

### 1139— Books (Level)

Keuffel & Esser Co., Hoboken, N. J.

### 1140— *Books (Meter)

**BUFFALO METER CO.**, 2921 Main, Buffalo, N. Y. *See adv index at end of book*

### 1141— Booms (Loading)

Fairmont Mining Machy. Co., Fairmont, W. Va.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.** (For Coal, etc.), 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*

### 1142— Boosters (Electric)

Crocker-Wheeler Co., Ampere, N. J.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Triumph Electric Co., Oakley, Cincinnati, Ohio

### 1143— Boosters (Gas)

Beach-Russ Co., 216-224 Broadway, New York *See adv index at end of book*
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

### 1143a— Boosters (Vacuum)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

### 1144—Booths (Moving Picture Machine)

Alignum Fireproof Products Co., Inc., S River, N. J. & 835 Lexington av, New York
*See adv index at end of book*
Duluth Corrugating & Roofing Co. (Fire Proof, Portable), Duluth, Minn.
**EDWARDS MFG. CO.**, 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Johns-Manville Co., H. W. (Asbestos Wood & Cloth), Madison av & 41st, New York
Louisiana Metal Cabinet Wks., New Orleans, La.
Sharlow Bros. Co., 442 W. 42nd, New York

### Booths (Telephone)

See Telephone Cabinet Work

### 1145— Bootjacks

Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*
Grey Iron Casting Co. (Cast), Mt. Joy, Pa.
Nicol & Co. ("Bull Dog"), 218 N Jefferson, Chicago, Ill.

### 1146— Boots (Elevator)

Barnard & Leas Mfg. Co. ("Perfection," etc. Iron or Wood), Moline, Ill.
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O.
*See adv index at end of book*
Batavia Engineering Works, Batavia, Ill.
Caldwell H. W. & Son Co. ("Caldwell" Self-Oiling, etc), 17th & Western av, Chicago, Ill.
Caldwell W. E. Co., Brook, Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Graver Wm. Tank Works, East Chicago, Ind.
Great Western Mfg. Co., Leavenworth, Kans.
Gump B. F. Co., 431 S. Clinton, Chicago, Ill.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
**LINK-BELT COMPANY**, 329 W. 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
Littleford Bros. (Steel), 444 E Pearl, Cincinnati, O.
Marseilles Works of Deere & Co., East Moline, Ill.
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Specialty Engineering Co., Trenton & Allegheny, Phila., Pa.
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
United Iron Works Co., Inc., Kansas City, Mo.
Walker & Elliott ("Wood & Iron"), Wilmington, Del.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

### 1147—Boots (Horse Lawn, Etc.)

Curtis Dexter Co., Madison, Wis.
Fennell John J. & Sons, Cynthiana, Ky.
Langstroth T. W., 77 Warren, New York
Zink Collar Pad Co., Buchanan, Mich.

### 1148— Boots (Hunting)

Arrah-Wanna Moccasin Co., Brockton, Mass.
Witchell-Sheill Co. ("Witch-Elk"), 168 Brooklyn, Detroit, Mich.

### 1149—Boots (Leather, Wooden Sole)

Riemer Albert H. Shoe Co., 431 29th, Milwaukee, Wis.

### 1150—Boots (Sewer Connection)

Canton Foundry & Machine Co., Canton, O.

### 1151—Boots (Steering Knuckle)

Allen Auto Specialty Co., 16 W 61st, New York
Gilbert Mfg. Co., New Haven, Conn.

### 1152—Boots & Shoes (Felt)

American Felt Co., 100 Summer, Boston, Mass.
Beatty Felting Co. (Shoes & Slippers), Mishawaka, Ind.
Blum Shoe Mfg. Co. (Also Wool Lined), Dansville, N. Y.
Dolgeville Felt Shoe Co., Dolgeville, N.Y.
Draper Bros. Co., Canton, Mass.
Green Daniel Felt Shoe Co., Boston, Mass.
Hastings Wool Boot Co., Hastings, Mich.
Little Falls Felt Shoe Co., Little Falls, N. Y.
Medford Woolen Mfg. Co., Medford, Mass.
Standard Felt Co., Alhambra, Cal.

### 1153—Boots & Shoes (Rubber)

**ALTON INTERNATIONAL INDUSTRIES** (Shoes), 118 William, New York
American Rubber Co., 130 Essex, Boston, Mass.
Apsley Rubber Co., Hudson, Mass.
Banner Rubber Co., Keurick & Bittner, St. Louis, Mo.
Bates J. E. & Co. ("Ironwear" Leather Sole), 202 Church, New York
Beacon Falls Rubber Shoe Co., Beacon Falls, Conn.
Bourn Rubber Co., 58 Warren, Providence, R. I.
Converse Rubber Shoe Co., Malden, Mass.
Goodrich B. F. Co., Akron, O.
Goodyear's Metallic Rubber Shoe Co., Naugatuck, Conn.
Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
*See adv index at end of book*
Hood Rubber Co., Watertown, Mass.
La Crosse Rubber Mills Co., La Crosse, Wis.
Lambertville Rubber Co., Lambertville, N. J.
Mishawaka Woolen Mfg. Co., Mishawaka, Ind.
Mulconroy Co. ("7 League," Leather Soled with Iron Heels), 54th & Jefferson, Phila., Pa.
National India Rubber Co., Bristol, R. I.
Pioneer Shoe & Rubber Co., 27 No 3d, Minneapolis, Minn.
Rubberhide Co. ("Rubberhide" Leather Sole), 212 Essex, Boston, Mass.
U. S. Rubber Co., 1790 B'way, New York
Woonsocket Rubber Co., Woonsocket, R. I.

### 1154—Boots & Shoes (Wool)

Hastings Wool Boot Co., Hastings, Mich.
Mishawaka Woolen Mfg. Co., Mishawaka, Ind.

### 1155— Borax

Croton Chemical Co. (Refined), 14 Cedar, New York
Denver Fire Clay Co. (Glass), Denver, Colo.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Heil Henry Chemical Co. (Borax Glass), St. Louis, Mo.
McIlvane Bros. (Powder, Borax), 1500 Hamilton, Phila., Pa.
Pacific Coast Borax Co. (Refined), Oakland, Cal., & Bayonne, N. J.
Pfizer Chas. & Co. (Crystals, Powdered & Granular), 81 Maiden la, New York
Rhodes Salt & Borax Co., San Francisco, Cal.
Thorkildsen-Mather Co. ("Sterling"), 111 W Monroe, Chicago, Ill.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda Jno. C. & Co., 273 Greene, Brooklyn, N. Y.

### 1155a— Bordeaux

Leggett & Bro. (Mixture), 301 Pearl, New York
National Gum & Mica Co., 59th & 11th av, New York

### 1156— Borers (Bung Hole)

Buecker Henry F., Newport, Ky.
Enterprise Mfg. Co. (of Pa.), 3d & Dauphin, Phila., Pa.
Hynson Tool & Supply Co. ("Hynson" Borer & Reamer), 4758 Easton av, St. Louis, Mo.
Oram John S Co. ("Oram's " Hand), 1316 E. 53rd, Cleveland, O.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill. *See adv index at end of book*
Swan Jas. Co. (Graduated & Ring), Seymour, Conn.
United States Bung Mfg. Co. ("Kirby"), 48 S 2d, Brooklyn, N. Y.

### 1156a— Borers (Cork)

Central Scientific Co., 460 E. Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend, 205 3rd av, New York
Scientific Utilities Co., Inc., 18 E 16th, New York

### Borers (Ratchet Corner)

See Bit Braces

### 1157— Borers (Tap)

Buffum Tool Co. ("Swastika" Plumbers'), South Side, Louisiana, Mo.

BORERS (TAP)—continued
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Ives W. A. Mfg. Co. ("Mephisto," "Ives," "Enterprise Pattern"), Wallingford, Conn.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
**Lowentraut P. Mfg. Co. ("W-S"), 36 Brenner, Newark, N. J.**
Osborne C. S. & Co., Box 183 Newark, N. J. *See adv index at end of book*
**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**
Stortz Jno. & Son, 210 Vine, Phila., Pa.

## 1157a—Borings (Test, Core, Wash & Foundation)

Healey P. J. (For Foundations), 39 Cortlandt, New York
Sweeney & Gray Co. 81-85 6th, Long Island City, New York
*See adv index at end of book*

## 1157b—Boro-Phosphate Crystal

Kalbfleisch Corp. (C. A. Solvent for Casein), 31 Union sq, New York

## 1158— Boron Flux

Am. Boron Products Co., 686 Court, Reading, Pa.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

## Bortz

See Carbons, Black Diamonds & Bortz

## 1159-60—Boshes (Mechanical)

Columbiana Boiler Co., Columbiana, O.
Heyl & Patterson, 51 Water, Pittsburgh, Pa.
Meehan, Boiler & Const. Co., Lowellville, Ohio

## 1161—Bottle Fillers (Milk, Etc.)

Champion Milk Cooler Co., Cortland, N. Y.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Wright R. G. & Co., Buffalo, N. Y.

## 1162— Bottle Racks (Milk)

Andrews Wire & Iron Works, Rockford, Ill.
Atlas Mfg. Co., New Haven, Conn.
Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
Loyal Mfg. Co., Philadelphia, Pa.
Smith Jno. P. & Co., New Haven, Conn.
Wickwire, Spencer Steel Corp, Worcester, Mass. *See adv index at end of book*

## 1163—Bottle Wrappers (Corrugated)

Gair Robt. Co., 50 Washington, Brooklyn, N. Y.
Hinde & Dauch Paper Co. ("Climax"), Sandusky, O.
Illinois Glass Co., Alton, Ill.
Lawrence Paper Mfg. Co., Lawrence, Kans.
Nivision-Weiskopf Co., 318 Elm, Cincinnati, O.
Nixon & Costello Co., Dayton, O.
Oshkosh Bottle Wrapper Co., Oshkosh, Wis.
Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.
Thompson & Norris Co. The, 212 Concord, Brooklyn N. Y.
Warner & Childs Co., Medford, Mass.

## 1163a—*Bottle Wrappers (Excelsior)

**BOSTON EXCELSIOR CO.**, 562 W. 29th, New York

## 1164— Bottles (Aluminum)

**Buckeye Aluminum Co. ("Real Solid," Seamless), Wooster, O.**

## 1165-6— Bottles (Cubic Foot)

**American Meter Co., 3112 N 17th, Phila., Pa.**
Braun-Knecht-Heiman Co., 576-584 Mission, San Francisco, Cal.

## Bottles (Fibre)

See Cans, Fibre

## 1167— Bottles (Glass)

### CALIFORNIA.

SAN FRANCISCO—Braun-Knecht-Heiman Co., 576-584 Mission.
Illinois-Pacific Glass Co. (Amber, Green & Flint, of all Descriptions), 15th & Folsom
Pacific Coast Glass Wks, 7th & Irwin

### ILLINOIS.

ALTON—Illinois Glass Co.
BELLEVILLE—**American Bottle Co. (See Chicago, Ill.)**
CHICAGO—American Bottle Co., 38 S Dearborn. Works: Newark, O., & Streator, Ill.
Foster A. M. & Co., 6 E. Lake
Illinois Glass Co., 402 W Randolph (See Alton, Ill.)
Western Bottle Mfg. Co., 402 W Randolph
EAST ST. LOUIS—Obear-Nester Glass Co. (See St. Louis, Mo.)
HILLSBORO—Schram Glass Mfg. Co. (See St. Louis, Mo.)
STREATOR—American Bottle Co. (See Chicago, Ill.)
Thatcher Mfg. Co. (Milk)

### INDIANA.

ANDERSON — Pennsylvania Glass Co. (Flint)
DALEVILLE—Daleville Glass Co. (Prescription, Druggists', Preservers', Packers')
DUNKIRK—Hart Glass Mfg. Co. (Vinegar, Catsup, Grape Juice, Packers & Preservers)
FAIRMOUNT—Bell Mfg. Co.
GAS CITY—Thompson Bottle Co. (Prescription, Beer, Wine, Soda, Brandy, Proprietary Medicine, Packers' & Preservers') (See Illinois Glass Co., Alton, Ill.)
U. S. Glass Co. (See Pittsburgh, Pa.)
GREENFIELD—Ball Bros. Glass Mfg. Co. (See Muncie, Ind.)
INDIANAPOLIS—Fairmount Glass Works (Flint, Amber, Green & Blue), Keystone & Belt
KOKOMO—Jenkins D. C. Glass Co. (Milk, Cherry & Olive)
LAPEL—Lapel Bottle Co.
MARION—Marion Flint Glass Co. (Prescription, Wine, Beer, Soda, Packers', Preservers')
Standard Glass Co.
MUNCIE—Ball Brothers Glass Mfg. Company (Packers & Preservers), Works, Muncie, Ind., & Wichita Falls, Texas
SUMMITVILLE — Model Glass Works (Prescription & Druggists')
TERRE HAUTE—North Baltimore Bottle Glass Co. (Beer, Soda, Wine, Brandy, etc)
Root Glass Co. (Beer, Soda, Liquor)
Turner Bros. Co. (Flint & Amber)
WINCHESTER — Woodbury Glass Co. (Flint, Brandy, Machine, Machine Oil, Manganese, Blueing, Screw Cap, etc, also Flasks)
YORKTOWN—Skillen-Goodin Glass Co. (Catsup, Condiment, Prescription, Extract, Pickle)

### MARYLAND.

BALTIMORE—Buck Glass Co. (All Kinds of Hand & Machine Blown Flint Glass Bottles), Fort av & Lawrence
Carr-Lowrey Glass Co. (Druggists', Chemists' & Perfumers' Glassware), Westport
Swindell Bros. (Druggists', Chemists', Perfumery Green Amber), Bayard & Russell
MOUNT WINANS—Maryland Glass Corporation

### MICHIGAN.

SAGINAW—Northwestern Glass Co. (Catsup, Prescription, etc.)

### MISSOURI.

ST. LOUIS—Busch Adolphus Glass Mfg. Co. (Beer), Main & Dorcas
Obear-Nester Glass Co., 2d & Chestnut; Works: East St. Louis, Ill.
Schram Glass Mfg. Co., Fred Reserve Bk. bldg. Works: Hillsboro, Ill.

### NEW JERSEY.

BRIDGETON—Cumberland Glass Mfg. Co. (Prescription, Beer, Wine, Brandy, Soda, Packers)
More Jonas Glass Co. (Prescription, Packers', Preservers')
Parker Bros. Glass Mfg. Co. (Green Prescription, Beer, Soda, Wine, Brandy, Packers', Preservers')
CAPE MAY COURT HOUSE—Cape May Glass Co.
CLAYTON—Pierce F. M. & Co. (Prescription, Proprietary Medicine)
GLASSBORO — Whitney Glass Works (Green, Flint, Prescription, Packers', Preservers')
MEDFORD—Star Glass Co. Ltd. (Prescription, Beer, Wine, Soda, Brandy)
MILLVILLE — Millville Bottle Works (Prescription, Proprietary Medicine)
Wheaton T. C. Co.
Whitall Tatum Co. (See Phila., Pa.)
MINOTOLA—Minotola Glass Co.
OLD BRIDGE—Brookfield Glass Co. (See New York City)
SALEM—Gayner Glass Works (Large Ware)
Salem Glass Works (All Kinds)

### NEW YORK.

BINGHAMTON — Binghamton Glass Co. (Prescription, Beer, Soda, Wine, Brandy, Packers', Preservers')
CLYDE—Clyde Glass Works
CORNING—Corning Glass Works
ELMIRA—Thatcher Mfg. Co. (Milk, Flint, Glass)
LANCASTER—Industrial Glass Co.
LOCKPORT—Lockport Glass Co. (Milk Bottles Only)

### NEW YORK CITY.

**Borough of Brooklyn.**

BROOKLYN — Demuth Glass Mfg. Co., Gardner av
Gleason-Tiebout Glass Co., 93 Commercial
Williamsburg Flint Glass Co., 260 Boerum

**Boroughs of Manhattan and Bronx.**

NEW YORK—Boley B., 157 10th av
Boley B., 157 10th av
Bottlers' & Mfrs.' Supply Co., 218 E 37th. Works: Brooklyn, N. Y.
Lenz Apparatus Co., 9 E 16th
Wagner Glass Works (Acid & Skim Milk Test), 697 E 132d
Wildman-Treherne (Druggists), 85 Franklin

**Borough of Queens.**

LONG ISLAND CITY—Bottlers' & Mfrs.' Supply Co. (See New York)

**End of New York City**

OLEAN—Acme Glass Co.
ROCHESTER—Reed F. E. Glass Co.

### OHIO.

BELLAIRE—Bellaire Bottle Co. (Flint, Prescription & Druggists')
BUTLER—Butler Bottle Co. (Milk Bottles Only)
CAMBRIDGE—Cambridge Glass Co. (Balsam)
CINCINNATI—Boldt Chas. Co., Davis Ln. & Penn. Ry. Works: Muncie, Ind.
Nivison-Weiskopf Co., 318 Elm. Works: Reading, O.
COLUMBUS—Federal Glass Co.
Winslow Glass Co. (Prescription, Beer, Wine, Soda, Brandy, Packers' & Preservers')

COSHOCTON—Coshocton Glass Co. (Beer, Wine, Soda, Brandy)
MASSILLON—Rhodes Glass & Bottle Co.
MOUNT VERNON—Essex Glass Co. (Milk Bottles Only)
NEWARK—American Bottle Co. (See Chicago, Ill.)
Heisey A. H. & Co. (Prescription, Druggists')
READING—Nivison-Weiskopf Co. Office: Cincinnati, O.
TOLEDO—Owens Bottle Co.
ZANESVILLE—Kearns-Gorsuch Bottle Co. (Mineral Water, Extract, Flint, Liquor, Prescription, Green, Beer, Pickle, etc)

### OREGON.

PORTLAND—Kerr A. H. & Co. (Milk, etc)

### PENNSYLVANIA.

BEAVER FALLS — Co-Operative Flint Glass Co. (Bar)
BRADFORD—Berney-Bond Glass Co.
BROCKWAYVILLE — Brockway Machine Bottle Co. (Machine Made Ink, Mucilage, Vaseline, etc)
CHARLEROI—Imperial Glass Co. (Prescription, Beer, Soda, Wine, Packers', etc)
EAST STROUDSBURG—East Stroudsburg Glass Co. (Beer, Soda, Wine, Brandy)
Scott-Warman Glass Co.
GLASSPORT—U. S. Glass Co. (See Pittsburgh, Pa.)
GLENSHAW—Glenshaw Glass Co.
HAWLEY—Hawley Glass Co. (Beer, Soda, Wine, Packers', Preservers')
JEANETTE—Jeanette Glass Co. (Prescriptions, Beer, Soda, Wine, Packers', Tinctures, etc)
McKee Glass Co. (Druggists')
KANE—Kane Flint Bottle Co. (Prescription, Beer, Soda, Wine, etc)
Thatcher Mfg. Co. (See Elmira, N. Y.)
McDONALD—Crescent Bottle Co.
PHILADELPHIA—Star Glass Co., 226 N. 4th (See Glassboro, N. J.)
Whitall Tatum Co. (Prescription, Ink, Mucilage, Sauce, Catsup, Mustard, Wine, Water, Perfumes, Vials, etc), 410 Race
Whitney Glass Works, Bullitt bldg. (See Glassboro, N. J.)
PITTSBURGH—Cunningham D. O. Glass Co. (Beer, Soda Water), Jane & 22d
Flaccus C. L. Glass Co., Empire bldg
Hamilton J. T. & A., 26th & A V R R
U. S. Glass Co. (Prescription, Druggists'), S 9th & Bingham. Works: Pittsburgh & Glassboro, Pa., & Gas City, Ind.
READING—Reading Glass Works
ROCHESTER — Rochester Tumbler Co. (Water, Bitter, Beer)
ROYERSFORD—Diamond Glass Co. (Soda, Wine, Bitters, Druggists', Beer)
Newborn W. H. & Co. (Prescription, Beer, Soda. Wine, Packers')
SHEFFIELD—Sheffield Glass Bottle Co. (Prescription, Wine, Beer, Soda, Brandy. Packers' & Preservers')
TARENTUM—Fidelity Glass Co. (Prescription, Druggists', Preservers')
Flaccus C. L. Glass Co. (Flint, Prescription & Druggists')
UNIONTOWN—Keystone Bottle Mfg. Co.
WASHINGTON — Hazel-Atlas Glass Co. (See Wheeling, W. Va.)

### TENNESSEE.

CHATTANOOGA—Chattanooga Bottle & Glass Mfg. Co.

### VIRGINIA.

ALEXANDRIA—Old Dominion Glass Corp (Prescription. Beer. Proprietary Medicines, Wine, Soda, Brandy Packers)
NORFOLK—Norfolk Glass Mfg. Corp. ("Anchor")
RICHMOND—American Glass Works

### WEST VIRGINIA.

CLARKSBURG — Hazel-Atlas Glass Co. (See Wheeling, W. Va.)
Travis Glass Co. ("Travis" Milk, etc)
PADEN CITY—Duquesne Glass Co. (Beer, Soda, Wine, Brandy)
WHEELING—Central Glass Works (Prescription, Druggists')
Hazel Atlas Glass Co. (Snuff, Ink, Jam, Oil, Olive & Vaseline). Works: Washington, Pa., & Clarksburg, W. Va.
North Wheeling Glass Bottle Co.

### WISCONSIN.

MILWAUKEE — Franzen Wm. & Son, Chase & George

## 1168—Bottles (Hot Water, Metal)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Campbell A. S. Co. ("Cello"), 274 Commercial, Boston, Mass.
Landers, Frary & Clark ("Universal," Aluminum), New Britain, Conn.
Metal Specialties Co. ("New Era"), Attleboro, Mass.
Pressed Aluminum Co., 3 Cypress, Worcester, Mass.

## 1169— Bottles (Mariotte)

General Ceramics Co., 50 Church, New York
Knight Maurice A., E. Akron, O.

## 1169a— Bottles (Milk)

Atlantic Bottle Co., 90 W. B'way, New York
Binghamton Glass Co., Binghamton, N. Y.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Butler Bottle Co., Butler, O.
Chicago Heights Bottle Co., Chicago Heights, Ill.
Cumberland Glass Mfg. Co., Bridgeton, N.J.
Essex Glass Co., Mt. Vernon, O.
Flaccus C. L. Glass Co., Tarentum, Pa.
Greensburg Glass Co., Greensburg, Pa.
Hamilton J. T. & A., 26th & A V R R, Pittsburgh, Pa.
Hart Glass Mfg. Co., Dunkirk, Ind.
Illinois Glass Co., Alton, Ill.
Illinois-Pacific Glass Co., 15th & Folsom. San Francisco, Cal.
Imperial Glass Co., Charleroi, Pa.
Jeannette Glass Co., Jeannette, Pa.
Jenkins D. C. Glass Co., Kokomo, Ind.
Lockport Glass Co., Lockport, N. Y.
Marion Flint Glass Co., Marion, Ind.
Northwestern Glass Co., Saginaw, Mich.
Obear-Nester Glass Co., East St. Louis, Ill.
Thatcher Mfg. Co., Elmira, N. Y.
Travis Glass Co., Clarksburg, W. Va.
Whitall Tatum Co., 410 Race, Phila, Pa.
Whitney Glass Works, Glassboro, N. J.
Williamstown Glass Co., Williamstown, N. J.
Winslow Glass Co., Columbus, O.

## 1170— Bottles (Paper)

American Tar Products Co., 208 S La Salle, Chicago, Ill.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Cal. Purity Paper Bottle Co., Sacramento, Cal.
New England Purity Paper Bottle Co., Northampton, Mass.
Sanitary Paper Products Co., 400 Chestnut, Phila., Pa.

## 1170a— Bottles (Platinum)

Baker & Co., 54 Austin, Newark, N. J.
Biship J. & Co., Platinum Wks., Malvern, Pa.
Scientific Utilities Co., Inc., 18 E 16th New York

## 1170b— Bottles (Reagent)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Central Scientific Co., 460 E. Ohio, Chicago, Ill.
Daigger, A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend, 205 3rd av, New York
Scientific Utilities Co., Inc., 18 E 16th New York

## 1171— Bottles (Rubber)

American Hard Rubber Co. (Hard Rubber for Chemical Plants, etc), 9 Mercer, New York
Bishop Gutta-Percha Co. (Gutta-Percha), 420 E 25th, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Parker-Stearns & Co. ("Alpha," "Omega," Water, Nursing, etc), 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co. (Water), Barberton, Ohio
Tyer Rubber Co. ("Ajax," "Higrade," "Criterion," "La Grange," "Champion," "Lion," "L. E. Gant," "Tyrian," Water, Nursing, etc), Andover, Mass.

## 1172— Bottles (Steel)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Federal Pressed Steel Co. (Cold Drawn), Keefe & North Pierce, Milwaukee, Wis.
Pressed Steel Tank Co. (Seamless Drawn), 58th & Greenfield av, Milwaukee, Wis.

## Bottles (Stoneware)

See Bottles, Mariotte

## 1173— Bottles (Vacuum)

American Thermos Bottle Co., Norwich, Conn.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Icy Hot Bottle Co., 122 W 2nd, Cincinnati, Ohio
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Simplex Vacuum Mfg. Co., 1729 Philip, Phila., Pa.
Stanley Insulating Co. ("Ferrostat"), Great Barrington, Mass.
Vacuum Specialty Co. ("Hotakold"), 200 5th av, New York

## 1174— Bottles (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 1174a— Bottles (Woulff)

Central Scientific Co., 460 E., Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
General Ceramics Co., 50 Church, New York
Knight Maurice, Akron, O.
Scientific Utilities Co., Inc., 18 E 16th New York

## 1174b— *Bottoms (Basket)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 1174c— *Bottoms (Feed Bag)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 1175— Bottoms (Kettle)

Hamblin & Russell Mfg. Co. ("Gem" Wire), Worcester, Mass.

## 1176—Bower Barffed Work

Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Sager Lock Co., No. Chicago, Ill.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 1177—Bowling Alley Builders

American Box Ball Co. (Box Ball), 1545 Vanburen, Indianapolis, Ind.
Brunswick-Balke-Collender Co., 629 S Wabash av, Chicago, Ill.
Klumpp's Jno. G. Sons, 13 Baxter, New York
Kohler & Hinricks, St. Paul, Minn.
Rose H., 145 Hamilton av, Brooklyn, N. Y.
Stillwater Mfg. Co., Stillwater, Minn.
Zeliff J. E., Kearny, N. J.

## 1177a— *Bowling Alley Supplies

**Estes E. B. & Sons**, 364 5th av, New York
*See adv index at end of book*
Ohio Wood Turning Co., Cleveland, O.

## 1178—Bowls (Cow Watering)

Cheney S. & Son, Manlius, N. Y.
Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Harris Mfg. Co., Salem, Ohio
Heller-Aller Co., Napoleon, Ohio
Hunt, Helm, Ferris & Co., Harvard, Ill.
Industrial Foundry Co., St. Johns, Mich.
Libby C. A. Co., Oshkosh, Wis.
Noll Bros., Bausman, Pa.
Novelty Iron Works, Sterling, Ill.
Strickler Hay Tool Co., Janesville, Wis.
West Bend Barn Equipment Co., West Bend, Wis.

## 1178b—Bowls (Sanitary Sugar)

Arwe Carl H. Mfg. Co., 1348-52 De Kalb av, Brooklyn, N. Y.
**Franks Sani-Cover Supply Co.** (For Restaurants), Cambridge, Mass.

## 1179—Bowls (Wood Chopping)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Chapman-Sargent Co., Piqua, O.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Getz M. & Co., 162 First, San Francisco, Cal.
Northern Woodenware Co., Island Falls, Me.
Peirce W. E. & Co., Milford, N. H.
Richardi & Bechtold, Bellaire, Mich.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1180—Bows (Automobile Top)

Brown S. N. & Co. (Wood), Dayton, O.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Dann Bros. & Co., New Haven, Conn.
Delphos Bending Co. (Truck & Closed Body), Delphos, O.
Detroit Wood Pulley Co., 1331 Bellevue av, Detroit, Mich.
Empire Bending Works, Lancaster, Pa.
Eureka Bending & Wheel Wks, York, Pa.
Lebzetter P. & Son Co., Lancaster, Pa.
Mossman, Yarnelle & Co., Fort Wayne, Ind.
Rastetter Louis & Sons, Ft. Wayne, Ind.
Shepard H. G. & Sons, New Haven, Conn.
Starr D. H., Highland, N. Y.
Wheel & Wood Bending Co., Bridgeport, Conn.

## 1181—Bows (Carriage & Wagon)

Ames Bending Co., Celina, O.
Brown S. N. & Co., Dayton, O.
Buckley J. Hub, Spoke & Wheel Co., 969 N 2d, Phila., Pa.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Coopersburg Bending Works, Coppersburg, Pa.
Crane & MacMahon ("Star," White Ash), 10 Bridge, New York
Delphos Bending Co., Delphos, O.
Donges John & Co., Hamilton, O.
Empire Bending Wks, Lancaster, Pa.
Eureka Bending & Wheel Works ("Wheeler & Wilson," "McCaull"), York, Pa.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Gillette C. H., Indianapolis, Ind.
Graham Thos. & Co., Madison, Ind.
Hanover Bending & Mfg. Co., Hanover, Pa.
Holt Bros. Mfg. Co., Concord, N. H.
Lamb-Fish Lumber Co., Charleston, Miss.
Lebzelter P. & Son Co., Lancaster, Pa.
Medina Bending Works ("McCaull"), Medina, O.
Metropolis Bending Co. ("Wheeler & Wilson"), Metropolis, Ill.
Rasteter Louis & Sons, Fort Wayne, Ind.
Sargent L. W., Newburyport, Mass.
Shepard H. G. & Sons, New Haven, Conn.
Starr D. H., Highland, N. Y.
Union Bow Co. (Automobile), Cleveland, O.
Von Behren Mfg. Co., Evansville, Ind.
Wheel & Wood Bending Co., Bridgeport, Conn.

## 1182-3— Bows (Ox)

Torrey Bros. Co., Central Village, Conn.

## 1184—Box Anchor & Timber Caps

See also Hangers, Joist
Goetz Box Anchor Co., New Albany, Ind.

## 1185— Box Board Mfrs.

See also Boards, Binder
Albey Bros., 149 Meeker av, Newark, N. J.
Albia Box & Paper Co. (Plain & Combination, Mill & Sheet Lined), Troy, N. Y.
Alton Box Board & Paper Co., Alton, Ill.
American Box Board Co., Grand Rapids, Mich.
Am. Coating Mills, Elkhart, Ind.
American Straw Board Co., Akron, O.
Auglaize Box Board Co., St. Marys, O.
Beloit Box Board Co., Beloit, Wis.
Bicking S. Austin Paper Mfg. Co. (& Indented Paper), E Downington, Pa.
Boehme & Rauch Co. (Patent Coated & Combination), Monroe, Mich.
Capac Paper Co., Capac, Mich.
Case & Marshall, Hartford, Conn.
Central Box Board Co., 43rd & Racine av, Chicago, Ill.
Chatfield Paper Co., New Haven, Conn.
Cherry River Paper Co., Scranton, Pa.
Chesapeake Paperboard Co. (Plain Schip, Mill-Line-Schip, News Vat Line Schip, News-board), Woodall & Claggett, Baltimore, Md.
Chicago Coated Board Co., 420 E North Water, Chicago, Ill.
Childsdale Paper Co., Childsdale, Mich.
Clifton Paper Mills, Clifton, N. J.
Constantine Board & Paper Co., Constantine, Mich.
Crescent Paper Co., Marseilles, Ill.
Diamond Match Co. (White Coated, Colored & Manila Lined), 111 B'way, New York
Eddy Paper Co., Three Rivers, Mich.
Ft. Wayne Corrugated Paper Co. (Combination), Hartford, Ind.
Foster Box Board Co., Utica, N. Y.
Franklin Board & Paper Co. (Pulp & Combination of all kinds), Franklin, Ohio
Gardner-Harvey Paper Co. (Colored Suit & Combination Boards), Middletown, Ohio
Halltown Paper Board Co., Halltown, W. Va.
Haverhill Box Board Co., Haverhill, Mass.
**HEWITT C. B. & BROS.**, 20 Ferry, New York *See adv index at end of book*
Kerr Paper Mill Co., East Downington, Pa.
La Borteaux C. L. Co., 1st Natl. Bk. Bldg, Cincinnati, O.
Lafayette Box Board & Paper Co., Lafayette, Ind.
Lawrence Paper Mfg. Co., Lawrence, Kans.
Lewis, Slocum & Le Fevre Co. (Wood Pulp & Sulphite Boards in Natural Colors & Tints), Beaver Falls, N. Y.
Lindale Mills, North Adams, Mass.
Little River Lumber Co., Star, N. C.
Los Angeles Paper Mfg. Co., Los Angeles, Cal.
McEwan Bros. (Folding), Whippany, N. J.
Mac-Sim-Bar Paper Co. (Clothing, Jute Board, etc.), Otsego, Mich.
Manchester Board & Paper Co. (Folding), Richmond, Va.
Marion Paper Co. (Folding), Marion, Ind.
Michigan Carton Co. (Combination & Patent Coated), Battle Creek, Mich.
Miller Frank P. Paper Co. (Patent Coated & Folding Box), East Downington, Pa.
Monroe Binder Board Co., Monroe, Mich.
Mutual Box Board Co., Utica, N. Y.
National Metal Edge Box Co. (Jute Folding), 1217 Callowhill, Phila., Pa.
Naubuc Paper Co., Glastonbury, Conn.
Nelson B. F. Mfg. Co., Minneapolis, Minn.
Newark Box Board Co., Blanchard, Newark, N. J.
New Haven Pulp & Board Co., New Haven, Conn.
Norton C. H., North Westchester, Conn.
Ohio Box Board Co. (Of all Grades, also Patent Coated), 1390 E 30th, Cleveland, O.
Perkiomen Paper Co., Pennsburg, Pa.
Philadelphia Paper Mfg. Co., River Road, Phila., Pa.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
River Raisin Paper Co., Monroe, Mich.
Robertson C. M. Co. (Folding), Montville, Conn.
Rockford Paper Box Board Co., Rockford, Ill.
Skaneateles Paper Co., Skaneateles, N. Y.
South Coventry Paper Co., South Coventry, Conn.
Standard Paper Co., Kalamazoo, Mich.
Tait & Sons Paper Co., Bridgeport, Conn.
Thames River Specialties Co. (Folding, etc), Montville, Conn.
Tonawanda Board & Paper Co., Tonawanda, N. Y.
United Paperboard Co., 171 Madison av, New York
Waldorf Paper Products Co. (Patent Coated, Manila Chip, Cracker Shell, Colored Suit & Combination Boards), St. Paul, Minn.
Waverly Paper Box Board Co., Weston av, Newark, N. J.
Westport Paper Co., Westport, Conn.

## 1185a— *Box Shooks

See also Shooks, Box.
**BOGART & HOPPER, INC.**, 57 Barclay, New York *See adv index at end of book*
Crosman G. A. & Sons Co., Portland, Me.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 1185b—*Box Strapping (Steel)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**WIRE & STEEL PRODUCTS CO., INC.**, 417 E 22d New York

## 1186— Box Straps

See also Bands, Shingle, Box & Shook
Acme Steel Goods Co. ("Acme") Embossed, Flat, Barbed & Twisted Wire), 2834 Archer av, Chicago, Ill.
**AMERICAN STEEL & WIRE CO.** (Steel), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**CARY MFG. CO.** ("Cary's" Universal & Wire Box Strapping Box Corner Fasteners & Clutch Nails), Nassau & Jay, Brooklyn, N. Y.
*See adv index at end of book*
De Haven Mfg. Co. ("Simplex," "Eclipse" & "Trojan" Steel & Iron), 50 Columbia Heights, Brooklyn, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Harvey Spring & Forging Co., Racine, Wis.
Independent Metal Strap Co., 56 Prince, New York
Robertson W. F. Steel & Iron Co. "Sampson" & "Cincinnati"), Elm & Commerce, Cincinnati, O.
**ROEBLING'S, JNO. A. SONS CO.**, Main Office, Trenton, N. J. Works, Trenton & Roebling, N. J.
*See adv index at end of book*
Signode System, Inc., Nailless, 108 W Lake, Chicago, Ill., & 33 Union Sq. W, New York
**SMITH & McCRORKEN**, 411 E 18th, New York
**STANLEY WORKS** ("Twinrold" Self-Tightening, "Spreadtite," "Double Edge," "Stanley's" Corrugated ("Security" & Twisted Wire Box Strapping), New Britain, Conn.
*See adv index at end of book*
Twisted Wire & Steel Co. (Flat & Round), 437 11th av, New York
Wallace Wm. & Sons, 513 Wells, Chicago, Ill.
Wire & Steel Products Co., Inc., 417 E 22d, New York

## 1187— Boxes (Aluminum)

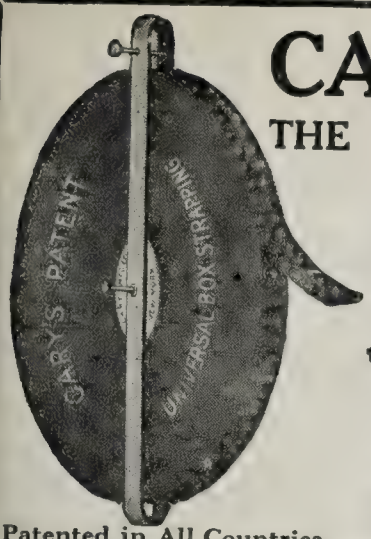
Aluminum Container Corp., Fulton, N. Y.
Aluminum Goods Mfg. Co. (also Caps & Tubes), Manitowoc, Wis.
Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*

## 1187a— *Boxes (Ammunition)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Slauf Mfg. Co., 703 S Clinton, Chicago, Ill.

## 1188— Boxes (Annealing)

American Welding Co., Carbondale, Pa.
Blaw-Knox Co., Farmers Bank Bldg, Pittsburg, Pa.




# CARY'S UNIVERSAL BOX STRAP

THE STRAP WITH THE "NAME"—THE KIND IT PAYS TO USE

This Strap is made of extra soft annealed steel of great tensile strength through which nails can be driven without first punching holes. The bosses stiffen the edge of the Strap and protect the nail heads when case is moved along the floor.

Made in four widths—½, ⅝, ¾ and ONE INCH.

Put up in coils of 300 feet each, and packed 20 coils in a case.

Every coil is equipped with our patent metal hanger, which makes it a complete reel that can be hung anywhere without floor space being occupied.

We manufacture a complete line of Metal and Wire Box Straps, Box Fasteners, Seals, Clasps, Corrugated Joint Fasteners, etc. Write for Our Catalog

Patented in All Countries

**CARY MFG. CO.** NASSAU and JAY STREETS BROOKLYN NEW YORK


Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Columbiana Boiler Co. (Riveted & Welded), Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
**DOVER BOILER WORKS,** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Driver-Harris Co. ("Nichrome"), Harrison, N. J. *See adv index at end of book*
Garwood Bronze & Iron Works, Garwood, N. J *See adv index at end of book*


BOXES FOR

**ANNEALING CARBONIZING**

GARWOOD BRONZE & IRON WKS.
GARWOOD, N. J.


Hardite Metals, Inc., 3 Park Row, New York
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Ludlum Steel Co., Watervliet, N. Y.
McAleenan Bros. Co., 25th & Railroad, Pittsburgh, Pa.
McNeil Jas. & Bro. Co., Pittsburgh, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Meehan Boiler & Constr. Co., Lowellville, Ohio
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
National Boiler & Sheet Iron Works, Indianapolis, Ind.
National Wrought Iron Annealing Box Co., Washington, Pa.
Petroleum Iron Works Co. ("Seigh"), Sharon, Pa.
Pioneer Alloy Products Co., 16601 Euclid av, Cleveland, O.
Pittsburgh Annealing Box Co. (Welded or Riveted), May bldg, Pittsburgh, Pa.
Reeves Bros., Co., The, Alliance, O. *See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Standard Boiler & Plate Iron Co., Niles, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Strong, Carlisle & Hammond Co. (Also Case-Hardening), 336 Frankfort av, N W, Cleveland, O.
Union Iron Works, Hoboken, N. J.
Union Steel Casting Co. ("Union" Truss Supported Roof One-Piece Cast Steel), Pittsburgh, Pa.
Warren City Tank & Boiler Co., Warren, Ohio
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Wilfong Millard F., Iron Works Co., 52nd & Grays av, Phila., Pa.

### 1188a—*Boxes (Annealing & Carbondizing "Pyrollay" Heat Resisting Nickel Alloy)

Supplee-Biddle Hardware Co., 510 Commerce, Philadelphia, Pa.

### 1189— Boxes (Auger Bit)

Bennett Mfg. Co. (Bartlett"), Portland, Me.
Iroquois Foundries, Inc. (Hub Caps, 474 Genesee, Utica, N. Y.
New England Box Co., Greenfield, Mass.

### 1190—Boxes (Automobile Tool)

Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Corcoran-Victor Co., Cincinnati, O.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Standard Steel Box Co. ("Standard" Steel), Bridgeville, Pa.

### 1191— Boxes (Axle)

Concord Axle Co., Penacook, N. H.
Pittsburgh Iron & Steel Foundries Co., Midland, Pa.

### 1192— Boxes (Axle Grease)

Bogert & Hopper, Inc. (Wood), 57 Barclay New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

### 1193— Boxes (Ballot)

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Pa. Construction Co. (Wood & Metal), Marietta, Pa.

### 1194— *Boxes (Basswood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

### 1195—Boxes (Battery, Automobile)

**BOGART & HOPPER, INC.** (Wooden), 57 Barclay, New York *See adv index at end of book*
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Corcoran-Victor Co., Cincinnati, O.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Paragon Electric Co., 37 W. Van Buren, Chicago, Ill.
Standard Steel Box Co. ("Standard" Steel Black Enameled), Bridgeville, Pa.

### 1196—Boxes (Beer, Soda Water & Milk)

Atwood & McManus Box Co., Chelsea, Mass.
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Cleveland Wire Spring Co. (Steel, 1281 E. 38th, Cleveland, O.
Columbia Box Co., 19th & N Market, St. Louis, Mo.
Defiance Pressed Steel Co. (Steel), Defiance, O.
Dexter Metal Mfg. Co. (Beer, Steel), 93 Arch, Camden, N. J.
Dodge & Bliss Co., W End, Jersey City, N. J.
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Goodwillie D. M. Co., 22nd & Allport, Chicago, Ill.
Hightower Box & Tank Co., Atlanta, Ga.
Marinette & Menominee Box Co., Marinette, Wis.
Mengel Box Co., Louisville, Ky.
Page George G. Box Co., Cambridge, Mass.
Rathbone, Hair & Ridgway Co., 2279 S Union av, Chicago, Ill.

### 1197— Boxes (Bending)

Pittsburgh Iron & Steel Foundries Co., Midland, Pa.

### 1198— Boxes (Blow, Acid)

Pratt Engineering & Machine Co., Atlanta, Ga.

### 1199— *Boxes (Bluing)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

### 1199a— Boxes (Bond)

See also Boxes, Cash; also Boxes, Safe Deposit
**PULLMAN VENTILATOR & MFG. CO.,** York, Pa *See adv index at end of book*
Standard Stamping Co., Huntington, W. Va.
Underwriters Safe Co., Toledo, O.

### Boxes (Bosh)

See Plates, Bosh

### 1200— Boxes (Bottle)

Andrews O. B. Co., Chattanooga, Tenn.
Bossert Louis & Sons, 1335 Grand, Bklyn, N. Y.
New England Box Co., Greenfield, Mass.
Omaha Box Co., Omaha, Neb.
Omaha Fiber & Corrugated Box Co., Omaha, Neb.
Vance E. J. Box Co. (Ltd.), Bay City, Mich.

## 1201— Boxes (Bread)

Atlantic Creosoting & Wool Preserving Works, Norfolk, Va.
Central Stamping Co., 174 Fulton, New York
Republic Metalware Co. ("Savary"), Buffalo, N. Y.
Rudman & Scofield, 277 Pearl, New York
Threthaway Bros. (Japanned & Lithographed), Parsons, Pa.

## 1202—Boxes (Bread Shipping)

Anderson Box & Basket Co., Henderson, Ky.
Backus A. Jr. & Son, 393 Lafayette, Detroit, Mich.
Lewis G. B. Co., Watertown, Wis.

## 1203— Boxes (Brick Mould)

American Clay Machinery Co. (Adjustable), S Walnut, Bucyrus, O.
*See adv index at end of book*

## Boxes (Cardboard)

See other Headings under Boxes, Paper, etc.

## 1204—Boxes (Case Hardening)

Columbiana Boiler Co., Columbiana, O.
Driver-Harris Co. ("Nichrome" Castings), Harrison, N. J.
*See branch offices Alphabetical Section*
Garwood Bronze & Iron Works, Garwood, N. J *See adv index at end of book*
Ludlum Steel Co., Watervliet, N. Y.
Ohio Steel Foundry Co., Lima, O.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 1205— Boxes (Cash)

Bogart & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Central Stamping Co., 172 Fulton, New York
Erie Art Metal Co. (Strong & Lienity), Erie, Pa.
**ESTES E. B. & SON,** 364 5th av, New York *See adv index at end of book*
Fire-Proof Furniture & Construction Co. (Steel), Miamisburg, O.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Merriam Mfg. Co. (Tin), Durham, Conn.
Metal Office Furniture Co., Grand Rapids, Mich.
Miller Lock Co. (With Keyed Locks & Keyless Locks), 4523 Tacony, Phila., Pa.
National Enameling & Stamping Co., 411 5th av, New York
Parsons W. A. & Co., Durham Center, Conn.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Smith J. O. Mfg. Co., Middletown, Conn.
Standard Stamping Co., Huntington, W. Va
Stirrup Mfg. Co., Inc., Market, Newark, N. J.
Underwriters Safe Co., Toledo, O.

## 1206-7— Boxes (Celluloid)

Celluloid Co., 36 Washington pl, New York

## 1208—Boxes (Charging, Open Hearth)

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Columbiana Boiler Co., Columbiana, O.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
**MORGAN ENGINEERING CO., Alliance,** Ohio *See adv index at end of book*
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**
**Treadwell Construction Co., Midland, Pa.**
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
**WELLMAN-SEAVER-MORGAN CO.,** Cleveland, O. *See adv index at end of book*

## 1209— Boxes (Cheese)

Annett Box Co. ("Antex" Small Round), East Joffrey, N. H.
Colby Cheese Box & Silo Co., Colby, Wis.
Cooley Mfg. Co., West Bend, Wis.
Parfrey Chas. A., Richland Center, Wis.

## 1209a— *Boxes (Chemists')

**BOGART & HOPPER, INC.,** 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 1209b— *Boxes (Chip Pill)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Cleveland Fare Box Co. ("Cleveland"),

## 1209c— *Boxes (Chisel)

Bogart & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 1210— Boxes (Cigar)

Balliet A. H., Allentown, Pa.
Eggerss-O'Flyng Co., Omaha, Neb.
Howell F. M. Co. (Wood), Elmira, N. Y.
Saginaw Specialty Co., Saginaw, Mich.
Sheip Henry H. Mfg. Co., Columbia av & 6th, Phila., Pa.
Weidman-Fisher Co., Tampa, Fla.
Wiedmann-St. Louis Cigar Box Co., 117 N. B'way, St. Louis, Mo.

## 1210a—Boxes (Cigarette & Tobacco)

Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York *See adv index at end of book*

## 1211— Boxes (Condenser)

Columbiana Boiler Co., Columbiana, O.
Petroleum Iron Works Co., Sharon, Pa.

## Boxes (Conduit)

See Boxes, Junction & Outlet

## 1212—*Boxes (Core, for Foundry Use)

Ohio Mfg. Co., P O Box 136, Painesville, O. *See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 1212a— Boxes (Corrugated Fibre)

See also Boxes Fibre

**HINDE & DAUCH PAPER CO.,** Sandusky, O.
Illinois-Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Midwest Box Co., Kokomo, Ind.
Paraffine Companies, Inc. (The), 34 1st, San Francisco, Cal.
*See adv index at end of book*

## 1213—Boxes (Corrugated Paper)

Advance Corrugated Box Co., 2837 S La Salle, Chicago, Ill.
Agar Mfg. Co., 167 41st, Bklyn, N. Y.
American Paper Products Co., 2nd & Bremen av, St. Louis, Mo.
Andrews O. B. Co., Chattanooga, Tenn.
Ashtabula Corrugated Box Co., Ashtabula, O.
Ball Brothers Glass Mfg. Company, Muncie, Ind.
Bee-Hive Paper Box Co., Indianapolis, Ind.
Buffalo Box Factory (Fibre, All Sizes), Buffalo, N. Y.
Buffalo Corrugated Container Co., 25 Imson, Buffalo, N. Y.
Bulis J. C. Mfg. Co., 1122 S 12th, St. Louis, Mo.
Collins H. F. Co., St. Paul, Minn.
Corrugated Container Corp., Columbus, O.
Corrugated Paper Co., Norfolk, Va.
Corrugated Paper Products Co., 221 W 26th, New York
Detroit Corrugated Board & Box Co., 88 Isabella, Detroit, Mich.
Fairmont Box Co., Canajoharie, N. Y.
Fenton Fibre Box Co., N Tonawanda, N. Y.
Fibre Package Co., 473 Clay, Detroit, Mich.
**FOSTER F. B. & CO.** (also Fibre), 25th & Locust, Phila., Pa.
Gair Robt. Co., 50 Wash'n, Brooklyn, N. Y.
Globe Paper Co., Evansville, Ind.
Hahn J. N. Co., Cuyahoga & W 3d, Cleveland, O.
Hinde & Dauch Paper Co., Sandusky, O.
Hummel & Downing Co., Milwaukee, Wis.
Illinois Glass Co., Alton, Ill.
Knapp Geo. S., Bridgeport, Conn.
Lanzit Corrugated Paper Co., 2039 S Morgan, Chicago, Ill.
Lawrence Paper Mfg. Co. ("Jayhawk," All Sizes), Lawrence, Kan.
Mac-Sim-Bar Paper Co., Otsego, Mich.
Marion Paper Box Co., Marion, Ind.
Mengel Box Co., Louisville, Ky.
**MIDWEST BOX CO.,** 111 W Washington blvd, Chicago, Ill.
Omaha Fiber & Corrugated Box Co. (Shipping), Omaha, Neb.
Page Geo. G. Box Co. (For Freight or Express Shipment), Cambridge, Mass.
Paraffine Companies, Inc. (The), 34 1st, San Francisco, Cal.
*See adv index at end of book*
**Park Novelty Co., 25th & Loest, Phila., Pa.**
Parsons Mfg. Co., Chelsea, Mass.
**RITCHIE W. C. & CO.,** 400 S Green, Chicago, Ill.
Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.
Schmitt-Backman Co., Sacramento, Cal.
Singer Paper Box Co., 815 W Congress, Chicago, Ill.
Thompson & Norris Co., The, 212 Concord, Brooklyn, N. Y.

## 1213a— *Boxes (Crayon)

Bogart & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 1213b— Boxes (Cream)

The Arlington Works (E. I. du Pont De Nemours & Co.), Wilmington, Del.

## 1214— Boxes (Crosshead)

Buckeye Iron & Brass Works (Brass), Dayton, O.
Erie Forge Co., Erie, Pa.

## 1215— Boxes (Curb, Service)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Campbell J. B. Brass Works, Erie, Pa.
Great Western Mfg. Co., Leavenworth, Kans.
Hays Mfg. Co., Erie, Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Modern Iron Works ("Buffalo," "Peerless," "Quin See," "M. I. W."), Quincy, Ill.
Paradine Mfg. Co., Erie, Pa.
Patterson Mfg. Co. ("Nobolt"), Keystone bldg, Pittsburgh, Pa.
Rumsey Pump Co. (Ltd.) (For Service Pipe), Box J, Seneca Falls, N. Y.

## 1216— Boxes (Cut Flower)

Thompson & Norris Co., The (Corrugated), 212 Concord, Brooklyn, N. Y.

## 1216a—*Boxes (Cutlery, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

## Boxes (Cut Out)

**See Boxes, Junction or Outlet**

## 1216b— *Boxes (Dice)

Bogart & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

## 1217— Boxes (Disc Harrow)

Sharon Steel Hoop Co. ("Danielson," Pressed Steel), Sharon, Pa.

## 1218— Boxes (District Call)

**Bunnell J. H. & Co., 32 Park pl, New York**

**Established 1847**

# E. B. ESTES & SONS

**Manufacturers of**

## Druggists' and Chemists' Turned Wooden Boxes

Plain and Polished Turned Wool Vials and Bottles, Powder Boxes, Plain and Silicated Wooden Ointment Jars. Screw Covered Boxes a Specialty.

**364 5th Avenue New York City**

### 1218a— *Boxes (Ditty)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

### 1219— Boxes (Document)

Barler A. C. Mfg. Co., 341 E Ohio, Chicago, Ill.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.

### 1220— Boxes (Drain)

Jiffy Fire Hose Rack Co. ("Brayman"), 727 7th av, New York

### 1221-2—Boxes (Drug, Pill, Ointment & Powder)

**BOGART & HOPPER, INC.** (Wood), 57 Barclay, New York
*See adv index at end of book*

**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

Randolph Box & Label Co., 843 W Van Buren, Chicago, Ill.
*See adv index at end of book*

DRUGGISTS' PILL AND POWDER BOXES
Labels and Druggists' Printing
Randolph Box and Label Co.
843 W. Van Buren St. Chicago, Ill.

Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### Boxes (Dumping)

See Wagon Dump Boxes

### 1223— Boxes (Electric Service)

Adam Frank Electric Co., 904 Pine, St. Louis, Mo.
Advance Electric & Mfg. Co., Kansas City, Mo.
Allsteelequip Co., Aurora, Ill.
Andrae Julius & Sons Co., 362 Broadway, Milwaukee, Wis.
Bissell F. Co. ("Security," Cabinets), Toledo, Ohio
Bonnell W. A. Co., 192 Chambers, New York
Brady Electric Mfg. Co., New Britain, Conn.
Burns Jas. F., 713 Cherry, Phila., Pa.
Columbia Metal Box Co., 226 E 144th New York
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Crouse-Hinds Co. ("Condulets"), Syracuse, N. Y.
D & W Fuse Co., Hathaway, Providence, R. I.
Detroit Fuse & Mfg. Co., 1400 Rivard, Detroit, Mich.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Guilderland Foundry Co., Guilderland, N.Y.
Johns-Manville H. W. Co. ("Noark"), Madison av & 41st, New York
Paiste H. T. Co. ("Le Manquais"), 3201 Arch, Phila., Pa.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Renim Specialty Co., Brighton, Boston, Mass.
Standard Underground Cable Co. (Junction Boxes only), Westinghouse bldg, Pittsburgh, Pa.
Star Metal Box Co., 509 W 19th, New York
Troy Electrical Co., Troy, N. Y.
Trumbull Electric Mfg. Co., Plainville, Conn.
Wabash Cabinet Co. (Coil), Wabash, Ind.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Worcester Electric & Mfg. Co., Worcester, Mass.

### 1224—*Boxes (Extension, Dial Curb)

**BUFFALO METER CO.,** 2921 Main, Buffalo, N. Y. *See adv index at end of book*

### 1225—*Boxes (Fancy Wood)

Bogert & Hopper, Inc., 57 Barclay, New New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 1226— Boxes (Fare)

See also Registers, Car Fare

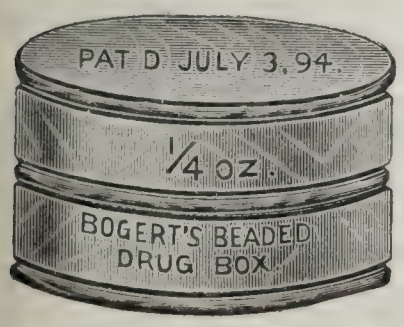
Am. Railways Equip't Co. (Registering), Dayton, O.
Brill J. G. Co., 62d & Woodland, av, Phila., Pa.
Cleveland Fare Box Co. ("Cleveland"), 4900 Lexington av, Cleveland, O.
International Register Co., 15 Throop, Chicago, Ill.
Johnson Fare Box Co. ("Johnson" Automatic), 236 S Robey, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

### 1227— Boxes (Fibre)

See also Pails, Fibre; also Boxes, Corrugated Fibre

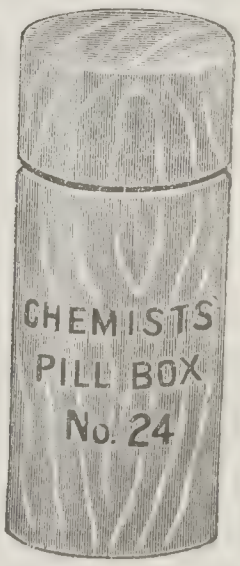
Already Box Co., Danville, Ill.
American Paper Products Co., 2nd & Bremen av, St. Louis, Mo.
American Vulcanizing Fibre Co. ("Laminar"), 504 Equitable bldg, Wilmington, Del.
Ball Brothers Glass Mfg Company (Corrugated), Muncie, Ind.
Milton, N. H.
Carthage Board & Paper Co. (Corrugated) Carthage, Ind.
Chicago Mill & Lumber Co., 11 W Washington, Chicago, Ill.
Commercial Box & Envelope Co., Chester, Pa.
Corrugated Container Corp., Columbus, O.

TURNED WOOD
Drug and Chemists'
Pill Boxes




Made from White Birch Stock
Wood Turnings of All Kinds

BOGERT & HOPPER, INC.
57 Barclay Street New York, N. Y.
MILLS—Maine—Vermont—Massachusetts



BOXES (FIBRE)—continued
Danbury Square Box Co., Danbury, Conn.
Fenton Fibre Box Co., No Tonawanda, N. Y.
Fort Wayne Corrugated Paper Co., Hartford, Ind.
**HINDE & DAUCH PAPER CO.** (Corrugated), Sandusky, O.
Hummel & Dowing Co., Milwaukee, Wis.
Kennebunk Mfg. Co. ("Lunch," etc.), Milton, N. H.
Kleckhefer Box Co., 133 W Water, Milwaukee, Wis.
Mengel Box Co., Louisville, Ky.
National Fibre & Insulation Co., Yorklyn, Del.
**ROGERS FIBRE CO.** ("Leatheroid"), 121 Beach, Boston, Mass.
**St. Louis Paper Can & Tube Corporation, St. Louis, Mo.**
Standard Fibre Co., Miller st, Somerville, Mass.
Toledo Fibre Package Co., Toledo, O.
Tonawanda Board & Paper Co., Tonawanda, N. Y.

## 1227a— *Boxes (Fig)

Annett Box Co. ("Antex"), East Jaffrey, N. H.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 1228—Boxes (Fire Alarm Signal)

Bunnell J. H. & Co. ("Jove," "Falcon," "Vulcan"), 32 Park pl, New York
Edwards & Co., Exterior & 140th, New York
Federal Signal Co., Albany, N. Y.
Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass.
Leveridge Chas. W. ("Diamond L"), 133 Liberty, New York
Loper Fire Alarm Co., Stonington, Conn.
Star Electric Co., Binghamton, N. Y.

## 1229— Boxes (Fishing Tackle)

Kraft A. C. ("Borcherdt" & "Wilson"), 323 W Lake, Chicago, Ill.
Knickerbocker Case Co. (Also Kits), 230 N Clinton, Chicago, Ill *See adv index at end of book*
Merriam Mfg. Co. ("Johnson Trayless"), Durham, Conn.
Wilson F. Cortez Co. ("Borcherdt," "Wilson," "Landis"), 159 W Lake, Chicago, Ill.
Wright Bros. Paper Box Co., Fond du Lac, Wis.

## Boxes (Floor)

See Boxes, Junction or Outlet

## 1230—Boxes (Folding Paper)

American Box Board Co., Grand Rapids, Mich.
American Folding Box Co., 21 W 4th, New York
American Tri-State Paper Box Co., Nashville, Tenn.
Andrews O. B. Co., Chattanooga, Tenn.
Battle Creek Paper Co. Ltd., Battle Creek, Mich.
Bee-Hive Paper Box Co., Indianapolis, Ind.
Bisler G. A., Inc. (Candy Boxes), 245 No. 6th, Phila., Pa.
Boas Wm. J. Co., 1427 Vine, Phila., Pa.
Boehme & Rauch Co., Monroe, Mich.
Brown & Bailey Co., 410 Franklin, Phila., Pa.
Buffalo Box Factory (Corrugated), Buffalo, N. Y.
Burt F. N. Co., Buffalo, N. Y.
Campbell Paper Box Co. (Every Variety), South Bend, Ind.
Chicago Folding Box Co., 2555 Taylor, Chicago, Ill.

When writing to firms whose names appear in this book please mention
HENDRICKS' COMMERCIAL REGISTER.

Chicago Oyster Pail Co. (Candy, Cake & Ice Cream), 504 S Greene, Chicago, Ill. *See adv index at end of book*

**Chicago Oyster Pail Company**
manufacturers of
Paper Oyster Pails, Ice Cream Boxes, Fine Folding Cake Boxes and Candy Boxes
504 S. Green St. CHICAGO, ILL.

Commercial Box & Envelope Co., Chester, Pa.
Coast Folding Paper Box Factory, Inc., 560 Mission, San Francisco, Cal.
Dayton Folding Box Co., 2727 Spring Grove av, Cincinnati, O.
Downingtown Paper Box Co., East Downingtown, Pa.
Edwards Folding Box Co., 27 N 6th, Phila., Pa.
Empire Paper Tube & Box Co., 155 Bank, New York
Fleishhacker A. & Co., 401 2nd, San Francisco, Cal.
Friedel J. F. Paper Box Co. (Suit, Laundry, Cake, etc), Syracuse, N. Y.
Gair Robert Co. (Corrugated Paper), 50 Washington, Brooklyn, N. Y.
Gereke-Allen Carton Co., 1701 Chateau, St. Louis, Mo.
Grand Rapids Paper Box Co., Grand Rapids, Mich.
Heer Peter Paper Box Co., 56 W Kinzie, Chicago, Ill.
Hinde & Dauch Paper Co. (Corrugated Fibre), Sandusky, O.
Hummel & Downing Co., N Cambridge av, Milwaukee, Wis.
Illinois Glass Co. (Corrugated Paper), Alton, Ill.
Knapp Geo. S., Bridgeport, Conn.
Kratz A. S. Co., Richmond, Va.
Lawrence Paper Mfg. Co. ("Jayhawk" Corrugated Paper), Lawrence, Kan.
Lincoln Paper Co., Lincoln, Neb
Lindley Box & Paper Co., Gas City, Ind.
Mac-Sim-Bar Paper Co. (Corrugated Paper), Otsego, Mich.
Menasha Printing & Carton Co., Menasha, Wis.
Milwaukee Paper Box Co., 712 Pierce, Milwaukee, Wis.
National Folding Box Co., New Haven, Conn.
O. K. Paper Pail Co., Middletown, O.
Pittsburgh Paper Box Co., Vanadium bldg, Pittsburgh, Pa.
Randolph Box & Label Co., 843 W Van Buren, Chicago, Ill. *See adv index at end of book*

FOLDING BOXES
Randolph Box and Label Co.
843 W. Van Buren St.
Chicago, Ill.

Rochester Folding Box Co., Rochester, N.Y.
Russell Box Co., Chelsea, Mass.
St. Louis Paper Co., 500 N 3d, St. Louis, Mo.
Shuttleworth Keiller & Co., 474 W B'way, New York
Sefton Mfg. Corp. (Corrugated Paper), 1301 W 35th, Chicago, Ill.
Seneca Falls Folding Box Co., Seneca Falls, N. Y. *See adv index at end of book*
Stone & Forsyth Co., 67 Kingston, Boston, Mass.
Sweet A. H. & Son, Norton, Mass.
Thompson & Norris Co. The (Corrugated Paper, 212 Concord, Brooklyn, N. Y.
U. S. Paper Goods Co., 1224 W 8th, Cincinnati, O.
Waldorf Paper Products Co., St. Paul, Minn.
Webb Folding Box Co., Bogota, N. J.
Whitney & Co., Leominster, Mass.

## 1231—*Boxes (Foundry, Steel)

Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*
OHIO MFG. CO., P O Box 136, Painesville, O. *See adv index at end of book*

## 1232— Boxes (Fuse)

See also Boxes, Switch

Brady Electric Mfg. Co. (Three Wire, etc.). New Britain, Conn.
Columbia Machine Works & Malleable Iron Co., Atlantic av, & Chestnut, Brooklyn, N. Y.
Columbia Metal Box Co., 226 E 144th, New York
Crouse-Hinds Co. ("Condulets"), Syracuse, N. Y.
D & W Fuse Co., Hathaway, Providence, R. I.
Erie Metal Products Co., Erie, Pa.
Fisher Chase Mfg. Co., 118 Parsons av, Columbus, O.
**GENERAL ELECTRIC CO., Schenectady,** New York *See adv index at end of book*
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Holzer R. G. (Estate of), 317 Burgundy, New Orleans, La.
Johns-Manville H. W. Co. ("Noark" Service Subway Boxes), Madison av & 41st, New York
Johns, Pratt Co. The ("Noark" Service, Subway, Car, Manhole, Meter, Protective, Special for any Electrical Device), Hartford, Conn.
Palmer Electric & Mfg. Co. (Service), 60 K, Boston, Mass.
Pass & Seymour, Solvay, N. Y.
Philadelphia Electrical & Mfg. Co. ("Pemco"), 1236 N 31st, Phila., Pa.
Smith A. L. Iron Wks., Chelsea, Mass.
Tower-Binford Elec. & Mfg. Co., Richmond, Va.
Troy Electrical Co., Troy, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*

## 1233—Boxes (Fuse, Street Car)

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
D & W Fuse Co., Hathaway, Providence, R. I.
Johns-Manville H. W. Co. ("Noark"), Madison av & 41st, New York

## 1234—Boxes (Fused Coupling, for Feeder Cables)

D & W Fuse Co., Hathaway, Providence, R. I.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 1234a— Boxes (Garbage)

Berg John & Bro., 5001 5th av, Chicago
Sanitary Garbage Box Co. (Concrete), 3840 N. Clark, Chicago, Ill.
Wesely Chas. Co. (Cement), Chicago, Ill.

## 1235— Boxes (Gill)

Saco-Lowell Shops (for Drawing, Repairing & Finishing), 77 Franklin, Boston, Mass.

## 1235a—*Boxes (Glove Powder)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 1235b— *Boxes (Gold Paint)

**BOGERT & HOPPER, INC.,** 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Ullman Mfg. Co., 353 E 59th, New York

## 1236—Boxes (Grease, Plumbers')

Boekel, Wm. & Co., 518 Vine, Philadelphia, Pa.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## Boxes, (Grindstone)

See Grindstone Boxes, Frames

## 1237—*Boxes (Hardware & Tool)

**ESTES E. B. & SONS**, 364 5th av, New York. *See adv index at end of book*

## 1237— Boxes (Hat)

Belber Trunk & Bag Co., 1641 N Hancock, Phila., Pa.
Boyle John & Co., 112 Duane, New York
Galewski A. & Son, 453 Broome, New York
National Veneer Products Co., Mishawaka, Ind.
Schmicki F. W. H. Slattery, Inc., 73 B'way, New York
Warren Leather Goods Co., Worcester, Mass.
White F. H. Co., 1001 Hamilton, Phila., Pa.

## 1238—*Boxes (Hinged Cover)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1238a— Boxes (Hot)

Weatherly Co. (for Japanning), Grand Rapids, Mich.

## 1239— Boxes (Jack)

American Electric Co., 6401 S State, Chicago, Ill.
Garl Electric Co., Akron, O.

## 1240— Boxes (Jewelers')

Bergner Fred & Co., Paca & Cross, Baltimore, Md.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Elmwood Box Co., 87 Willard av, Providence, R. I.
Farrington Mfg. Co., 23 Vale, Boston, Mass.
Jencks Paper Box Co., 45 Waldo, Providence, R. I.
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
Sweet A. H. & Son, Norton, Mass.
Taylor Card & Box Co., 196 W Exchange, Providence, R. I.
Young Bros., 722 Eddy, Providence, R. I.

## 1241— Boxes (Journal)

American Car & Foundry Co., Syndicate Trust bldg., St. Louis, Mo.
Bailey & Burruss Mfg. Co., Atlanta, Ga.
Brown, A. & F. Co., 79 Barclay, New York.
Chain Belt Co., Milwaukee, Wis.
Chester Steel Casting Co., Chester, Pa.
Chicago Railway Equipment Co. ("Creco"), 1928 W 46th, Chicago, Ill.
Chickasaw Machine & Foundry Co., Memphis, Tenn.
Cresson-Morris Co., Allegheny & 18th, Philadelphia, Pa.
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
Fleming J. R. & Son Co., Scranton, Pa.
Fritz Geo. J. Foundry & Machine Co., 2018 S. 3rd, St. Louis, Mo.
Gould Coupler Co. ("Gould" Malleable Iron), 30 E 42nd, New York
Great Western Mfg. Co., Leavenworth, Kan.
Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Hoppen J. E. & Sons (Self Oiling), 73 Main, Belleville, N. J.
*See adv index at end of book*
Jones E. D. & Sons Co., Pittsfield, Mass.
Jones W. A. Foundry & Machine Co., 4401 W. 12th, Chicago, Ill.
Lane Mfg. Co., Montpelier, Vt.
Leffel Jas. & Co., East St., Springfield, O.
LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Philadelphia, Pa.
*See adv index at end of book*
McCord & Co. ("McCord" Malleable Iron for Railroads), 122 S. Michigan av, Chicago, Ill.
Michigan Malleable Iron Co. ("Detroit"). Delray, Detroit, Mich.
National Malleable Castings Co., 7706 Platt av S E, Cleveland, O.
Nordyke & Marmon Co. (Ball & Socket), Morris & Kentucky av, Indianapolis, Ind.
Pratt & Letchworth Co., Buffalo, N. Y.
Railway Roller Bearing Co. (Roller Bearing), Syracuse, N. Y.
*See adv index at end of book*
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Symington T. H. Co. ("Symington"), Md. Trust bldg, Baltimore, Md.
Taylor Electric Truck Co., Troy, N. Y.
Taylor W. P. Co. ("Taylor's," Dustproof Self-Locking), Ellicott sq, Buffalo, N. Y.
Trump Mfg. Co., Springfield, O.
UNION SPRING & MFG. CO. ("Kensington" All Steel), 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Wolf Co. (Plain, for Conveyor Rolls), Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

## 1242—Boxes (Junction or Outlet)

Acme Metal Stamping Co., 429 Prospect, N W, Cleveland, O.
Adam Frank Electric Co. (Junction), 904 Pine, St. Louis, Mo.
Adapti Mfg. Co. ("Adapti"), 919 West, Cleveland, O.
Advance Electric & Mfg. Co., Kansas City, Mo.
Allino Switch Box Mfg. Co., St. Louis, Mo.
Allsteelequip Co., Aurora, Ill.
Appleton Electric Co. ("Appleton"), Wellington & Paulinco, Chicago, Ill.
Arrow Electric Co. ("Pipe Ends"), Hartford, Conn.
Aurora Steel Products Co., Aurora, Ill.
Austin M. B. & Co., 706 W Jackson bl., Chicago, Ill.
Barlow Foundry Co. ("Jem"), 551 N. J. R. R. av, Newark, N. J.
Berry-Glosser Co., Marion, O.
Bierman-Everett Foundry Co., Irvington, N. J.
Bonnell W. A. Co., 192 Chambers, New York
Brady Electric Mfg. Co. ("Brady" Arc), New Britain, Conn.
Burns Jas. F., 713 Cherry, Phila., Pa.
Chelton Elec. Co., Stenton & Rockland, Phila., Pa.
CHICAGO FUSE MFG. CO. ("Union"), Lafiin & 15th, Chicago, Ill
*See adv index at end of book*
Cleverly Electrical Works, 17 N 7th, Phila., Pa.
Colgan W. H. Co. ("Rex"), W. Newton, Mass.
Columbia Metal Box Co., 226 E 144th, New York
Conlan Electric Co., 86 Walker, New York
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Crouse-Hinds Co. ("Condulets"), Syracuse, N. Y.
Cutter Geo. Co., South Bend, Ind.
Dahlstrom Metallic Door Co., 413 Buffalo av, Jamestown, N. Y.
*See adv index at end of book*
D & W Fuse Co., Hathaway, Providence, R. I.
Dill Mfg. Co., 684 E 82d, Cleveland, O.
Economy Elec'l. Specialty Co., 2857 S Halsted, Chicago, Ill.
Electric Operations Co., 254 36th, Brooklyn, N. Y.
Electric Panelboard Co., 27 N Water, Rochester, N. Y.
Fancleve Specialty Co., Boston, Mass.
G. & W. Electric Specialty Co. ("Subway"), 7440 S Chicago av, Chicago, Ill.
Geometric Stamping Co., 221 E 131st, Cleveland, O.
Gillette-Vibber Co. ("G. V." Outlet), New London, Conn.
Greater N. Y. Metal Box Co., 143 W 19th, New York
Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Iron Spec. Co., 2098 3rd av, New York
Johns-Manville H. W. Co. ("Noark"), Madison av & 41st, New York
Krantz Mfg. Co. (Adj.), 160—7th, Brooklyn, N. Y.
Louisiana Metal Cabinet Wks., New Orleans, La.
Mansfield Electric Hardware Co., Mansfield, O.
Mutual Electric & Machine Co., 232 Fort W Detroit, Mich.
National Metal Molding Co. ("National"), 1110 Fulton bldg, Pittsburgh, Pa.
New England Machine & Electric Co., Pawtucket, R. I.
Newgard Henry & Co. ("Newgard"), 947 Wash'n boul, Chicago, Ill.
Ostrander W. R. & Co (Cast Iron), 371 B'way, New York
P. & B. Mfg. Co., 1624 Fratney, Milwaukee, Wis.
Pass & Seymour (Junction), Solvay, N. Y.
Potter Mfg. Co., 1060 Superior av, N W, Cleveland, O.
Pratt Chuck Co., Frankfort, N. Y.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila, Pa.
Protective Electrical Supply Co., Fort Wayne, Ind.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Renim Specialty Co. ("Renim" Universal for Flexible Metallic & Non-Metallic Conduits), Brighton, Boston, Mass.
Rice Geo. H. Co., 431 E. 23rd, New York
Robb & Blackmer, 129 Pearl, Boston, Mass.
Russell & Stoll Co. (Floor Only), 17 Vandewater, New York
Seidler-Miner Co. (Marine), 36 E. Larned, Detroit, Mich.
Sieffert Electric Co., Evansville, Ind.
Sprague Electric Works (Universal), 529 W 34th, New York
Standard El. Fitting Co., Stamford, Conn.
Standard Underground Cable Co. (Cable Junction Box for High Tension Transmission Circuits), Westinghouse bldg, Pittsburgh, Pa.
Stanley & Patterson ("Patterson," "Fielding"), 23 Warren, New York
Star Metal Box Co., 509 W 19th, New York
Stecker Elec. & Machine Co., Dewey, Detroit, Mich.
Steel City Electric Co. ("Steel City," "Campbell" Receptacle, "Fullman"), 1207 Columbus av, Pittsburgh, Pa.
Sterling Foundry & Machine Co., 521 Chancellor av, Newark, N. J.
Superior Electric Mfg. Co., 2416 Univ av, S E, Minneapolis, Minn.
Thomas & Betts Co. ("T. & B."), 63 Vesey, New York
Toledo Metal Products Co., Spitzer bldg, Toledo, O.
United Electrical Construction Co., 110 S Dearborn, Chicago, Ill.
Universal Elec. & Specialty Mfg. Co., New Orleans, La.
V. V. Fittings Co., 1906 N 6th, Phila., Pa.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*
Wilson A. B. Co., 1051 Power bldg, Cleveland, O.
Wurdack Wm. Elec. Mfg. Co., 21 S 11th, St. Louis, Mo.

## Boxes (Letter)

See Boxes, Mail

## Boxes (Lithographed Metal)

See Boxes & Cans, Litho Metal

## 1243— Boxes (Lock)

Corbin Cabinet Lock Co., New Britain, Conn.
Fire-Proof Furniture & Construction Co. Steel), Miamisburg, O.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Merriam Mfg. Co. (Tin), Durham, Conn.
Miller Lock Co., 4523 Tacony, Phila., Pa.
Underwriters Safe Co., Toledo, O.
Wharton Wm. Jr. & Co., Inc. (For Railway Switches), Easton, Pa.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

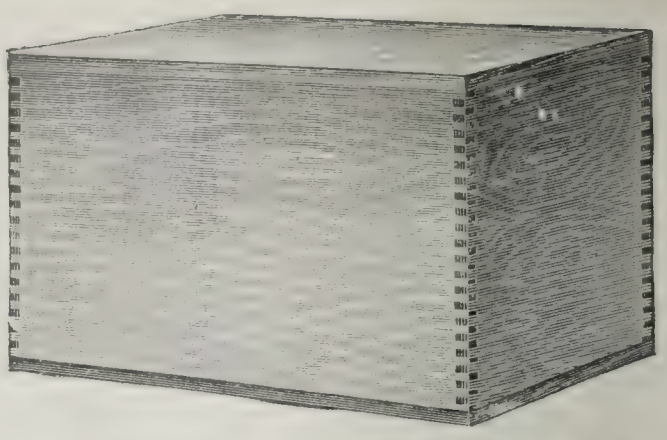
## 1244— Boxes (Lock Corner)

Abbey Frank R. (And Nailed Wooden), 15 William, New York
Acme Box Co., 1401 W 21st pl, Chicago, Ill.
Alliger Box & Lumber Co., N Tonawanda, N. Y.
American Crayon Co. ("Basswood"), 1300 Hayes av, Sandusky, O.
American Woodworking Co., 19 Warren, New York
Atwood & McManus Box Co. (Wooden), Chelsea, Mass.
Beck August C. Co., 1-30 East, Milwaukee, Wis.
Becker Mfg. Co. (For Storage Batteries), Marietta, O.

# Locked Corner Boxes
# Eastern White Pine

Safest Containers for shipping.
Large facilities for handling contracts in carload lots.
Box Shooks made from Eastern White Pine exclusively.

BOGERT & HOPPER, INC.
57 Barclay Street New York, N. Y.
MILLS:—Maine—Vermont—Massachusetts




BOXES (LOCK CORNER)—continued

**BOGERT & HOPPER, INC.** (Wooden), 57 Barclay, New York
*See adv index at end of book*

Cardington Cabinet Co., Cardington, O.
Columbia Box Co., 19th & N Market, St. Louis, Mo.
Connecticut Box Co., New Haven, Conn.
Dickinson's A. Sons, Ashuelot, N. H.
Dunning-Varney Corp., 99 Warren, New York
Embry Box Co., Louisville, Ky.
**ESTES E. B. & SONS** (Wooden), 364 5th av, New York
*See adv index at end of book*
Franklinville Canning Co., Franklinville, N. Y.
Green A. H. Co., 97 Warren, New York
Griggs-Hanna Co., 1240 Michigan av, Detroit, Mich.
Hart Dow, J., Marlboro, N. H.
New England Box Co., Greenfield, Mass.
Newton & Thompson Mfg. Co., 200 5th av, New York
Niagara Box Co., 820 S Division, Buffalo, N. Y.
Novelty Turning Co., Norway, Me.
Omaha Box Co., Omaha, Neb.
Page Geo. G. Box Co., Cambridge, Mass.
Parsons Mfg. Co., Chelsea, Mass.
Peirce W. E. & Co., Milford, N. H.
**PETERSON F. W. CO.**, 18 Greene, New York *See adv index at end of book*
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Schutz Bros., 152 Chambers, New York
Sheip Hy. H. Mfg. Co., 6th & Columbia av, Phila., Pa.
Smith A. L. Iron Wks., Chelsea, Mass.
**STILES H. A. & CO.**, 93-97 Oliver, Boston Mass. *See adv index at end of book*
Sweet A. H. & Son, Norton, Mass.
Thompson Jas. A., Lowell, Mass.
Tollner's Chas. Sons Co., Pulaski, N. Y.
Union Hardware Co., Torrington, Conn.
Varney Isaac & Sons Co., Fall River, Mass.
West F. M. Box Co. (Side Cover), Springfield, Mass.

## 1245—Boxes (Locomotive Driving)

**DAMASCUS BRONZE CO.** ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## 1246— Boxes (Lunch)

Columbus Fibre Box Co. (Fibre), N W cor Hickory & Wall, Columbus, O.
Enoch Mfg. Co., Mount Sterling, Ky.
Fletcher, Terry Co. (Folding Fibre, etc), Forestville, Conn.
Kennebunk Mfg. Co. (Folding Fibre, etc), Milton, N. H.
Landers, Frary & Clark Co. ("Universal" Metal), New Britain, Conn.
Reading Saddle & Mfg. Co. ("20th Century," "Eagle," "Black Diamond," "American," "Raven," "Reading"), Reading, Pa.
Try It Mfg. Co. (Folding), Plainville, Conn.
White Paper Box Co. ("Perfection"), Holyoke, Mass.

## 1247— Boxes (Mail)

See also Boxes, Rural Mail

Ajax Hardware Mfg. Co. ("Ajax Rust-Proof"), 1100 Military rd, Buffalo, N. Y.
Alsteel Mfg. Co. (Letter & Package Boxes for Street), Battle Creek, Mich.
American Mailing Device Corp., 103 Park av, New York
Art Metal Constructing Co., Jamestown, New York *See adv index at end of book*
Cassady, Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Climax Lock & Ventilator Co. ("Climax"), 656 Michigan av, Buffalo, N. Y.
Corbin Cabinet Lock Co. (Apartment House & Office Letter Boxes), New Britain, Conn.
Couch S. H. Co., Norfolk Downs, Mass.
Elec. Apparatus Co., 127 S Green, Chicago, Ill.
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Federal Equipment Co., Carlisle, Pa.
Forest City Foundry & Mfg. Co. ("Standard"), 2202 Elm av, Cleveland, O.
Greswold Mfg. Co., Erie, Pa.
Gray Iron Foundry Co., Reading, Pa.
Introstile Mfg. Co. ("Urban"), Marietta, O.
In Vu Mfg. Co., Rochester, N. Y.
Keil Frances & Son, 401 E 163d, New York
Lovell F. H. & Co., Arlington, N. J.
Manhattan Electrical Supply Co. (House Letter), 17 Park pl, New York
*See adv index at end of book*
Menominee Elec. Mfg. Co., Menominee, Mich.
Metal Forming Corp. ("City Gem"), Elkhart, Ind.
Merriam Mfg. Co. (Tin), Durham, Conn.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Northwestern Mail Box Co. ("Carriers' Friend"), 5029 McKissock, St. Louis, Mo.
Oakes Mfg. Co., Tipton, Ind.
Peck C. A. Hardware Co., Berlin, Wis.
Phelps & Sons Mfg. Co., 110 Pennington, Newark, N. J.
Presteel Co. (Steel), Grafton, O.
Reading Hardware Co., Reading, Pa.
Rock Island Mfg. Co., Rock Island, Ill.
Standard Stamping Co., Huntington, W. Va.
Samson Elec. Co., 146 Summer, Canton, Mass.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Walsh, Owen Mfg. Co., 525 W 26th, New York
Wheeler W. A. ("Globe"), Indianapolis, Ind.
Wilhelm Henry, 70 Frost, Brooklyn, N. Y.
Winfield Mfg. Co., Warren, O.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 1248— Boxes (Mailing)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons** (Screw Cover), 364 5th av, New York
*See adv index at end of book*
Janney & Company (Babbitted), Montgomery, Ala.
*See adv index at end of book*
**Jencks Paper Box Co.** ("Sensible," "Whitney"), 45 Waldo, Providence, R. I.
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
St. Louis Paper Can & Tube Corporation (Fibre), St. Louis, Mo.

## 1249—Boxes (Manhole Junction)

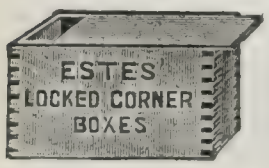
D & W Fuse Co., Hathaway, Providence, R. I.
G. & W. Electric Specialty Co., 7440 S Chicago av, Chicago, Ill.
Johns-Manville H. W. Co. ("Noark"), Madison av & 41st, New York
Ricker Mfg. Co., 239 N Water, Rochester, N. Y.
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.

## 1250— Boxes (Medicinal, Toilet, Etc.)

**AMERICAN CAN CO.** (Seamless, etc), 120 B'way, New York
*See adv index at end of book*
Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

## 1251-2— Boxes (Metal)

**AMERICAN CAN CO.**, 120 B'way, New York *See adv index at end of book*
Home Light Co. of America ("Hollico Inc."), 1955 Park av, New York
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*


Established 1847 **E. B. ESTES & SONS** Manufacturers of
**Lock Cornered Eastern White Pine and Basswood**
**PACKING and MAILING BOXES**
*ALSO FINISHED HARDWOOD BOXES* *FINE PRINTING A SPECIALTY*
**364 5th AVENUE, NEW YORK CITY**

## 1253— Boxes (Meter)

Advance Electric & Mfg. Co., Kans. City, Mo.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Brady Electric Mfg. Co. (For Sealing Wires After Meter is Removed), New Britain, Conn.
Casey-Hedges Co. (Cast Iron), Chattanooga, Tenn.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Clark H. W. Co. ("Clark," "Southland"), Mattoon, Ill.
Clarksville Foundry & Machine Works ("Ryder" Self-Locking), Clarksville, Tenn.
Columbian Iron Works ("Columbian"), Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Life bldg, Kansas City, Mo.
Donley Bros. Co. (Electric), 3625 E 74th, Cleevland, O.
*See adv index at end of book*
Ford Meter Box Co., Wabash, Ind.
**JANNEY & COMPANY**, Montgomery, Ala.
*See adv index at end of book*
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Modern Iron Works ("Andrews" & "Modern"), Quincy, Ill.
Nichols Mfg. Co., Ottumwa, Ia.
P. & B. Mfg. Co., 1624 Fratney, Milwaukee, Wis.
S. E. T. Valve & Hydrant Co., 56 Church, New York *See adv index at end of book*
San Antonio Sewer Pipe Works, San Antonio
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.
Withers Foundry & Machine Works, Atlanta, Ga.

## 1253a—*Boxes (Meter Dial Curb)

**BUFFALO METER CO.**, 2921 Main, Buffalo, N. Y.
*See adv index at end of book*

## 1253b—*Boxes (Microscope Slide)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av., New York
*See adv index at end of book*

## 1254— Boxes (Milk)

Rice & Adams (Sanitary), Buffalo, N. Y.

## 1254a— Boxes (Mill)

Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
Wilson, Andrew Co., 616 Essex, Lawrence, Mass. *See adv index at end of book*

## 1255— Boxes (Miners' Squib)

Anton Geo. T. & Bro., Monongahela, Pa.

## 1256— Boxes (Mitre)

Gay Geo. E. ("Gem" Folding), Augusta, Me.
Goodell Mfg. Co. ("Goodell" Bessemer Steel & "Greenfield" Iron), Greenfield, Mass.
Goodell-Pratt Co. ("Goodell" & "All-Steel"), Greenfield, Mass.
Jacobs L. W., West Willington, Conn.
Jennings C. E. & Co., 71 Murray, New York
McCarty J. C. & Co. ("Victor" Folding), 29 Murray, New York
Manumotor Co. ("Kawalle Automatic"), Manitowoc, Wis.
Mayhew H. H. Co. ("Mayhew"), Shelburne Falls, Mass.
Millers Falls Co. ("Langdon," "Star," "Marsh-Ayer"), Millers Falls, Mass.
Nicholls Mfg. Co. ("True"), Ottumwa, Iowa
Olmsted's L. H. Son, Hasbrouck Heights, N. J.
Overholt Co. (Autos, etc), Galesburg, Ill.
Rockford Mitre Box Co. ("Star," "Honeycomb" for Metal or Wood), Rockford, Ill.
**SMITH & HEMENWAY CO., INC.** ("Seavey," Patent, "Red Devil", 261 H B'way, New York; 130 H. Colt, Irvington, N. J. *See adv index at end of book*
Stanley Rule & Level Co. ("Stanley," "Victor"), New Britain, Conn.
Stearns E. C. & Co. ("Stearns" Folding), 450 Oneida, Syracuse, N. Y.
Union Hardware Co. ("Perfection"), Torrington, Conn.

## 1257— Boxes (Muffle)

Bethlehem Foundry & Machine Co. (For Chemical Mfg, etc), Front, South Bethlehem, Pa.
Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*

## 1258— Boxes (Music)

Jacot A. H., 29 John, New York
Regina Co., 47 W 34th, New York

## 1259— Boxes (Nail)

**AMERICAN STEEL & WIRE CO.** ("Mrs. McGregor"), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Bogert & Hopper, Inc. (Polished), 57 Barclay, New York
*See adv index at end of book*
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
**OHIO MFG. CO.**, P. O. Box 136, Painesville, O. *See adv index at end of book*
**St. Louis Paper Can & Tube Corporation (Fibre, for Roofing Nails), St. Louis, Mo.**

## 1259a— *Boxes (Nested)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1260— Boxes (Oil Fuse)

Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Ricker Mfg. Co. ("Rochester"), Rochester, N. Y.

## 1260a— Boxes (Optical Mailing)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

**Established 1847** **E. B. ESTES & SONS**
**Manufacturers of Lock Cornered Eastern White Pine and Basswood**
**PACKING AND MAILING BOXES**
**Also Finished Hardwood Boxes.** **Fine Printing a Specialty**
**364 5th AVENUE** **NEW YORK CITY**

Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Boxes (Outlet or Junction)

See Boxes, Junction or Outlet

## 1260b— Boxes (Paper)

See also Boxes, Corrugated Paper, etc.

Advance Corrugated Box Co., 2837 S La Salle, Chicago, Ill.
All Paper Box Co. (Candy Boxes, etc.), 125 S. 8th, St. Louis, Mo.
Bloomer Bros. Co., Newark, N. J.
Drake H. R. & Sons, Inc., Palmyra, N. Y.
Fort Wayne Box Co., Fort Wayne, Ind.
Globe Paper Box Co., 223 W Huron, Chicago, Ill.
Heer Peter Paper Box Co., 56 W Kinzie, Chicago, Ill.
Hoffman J. C., Inc. (Round), 259 3rd av, New York
**RITCHIE W. C. & CO.**, 400 S Green, Chicago, Ill.
Rochester Paper Products Co. (Round Cardboard), Rochester, N. Y.
Singer Paper Box Co., 815 W Congress, Chicago, Ill.

## 1261—Boxes (Paper, Metal Edge)

Economy Metal Edge Box Co., 500 S Peoria, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
National Metal Edge Box Co., 1217 Callowhill, Phila., Pa.
N. Y. Metal Edge Box Works, 212 Front, New York

## 1262— Boxes (Paper Shipping)

American Paper Products Co., 2nd & Bremen av, St. Louis, Mo.
Bridgman Smith Co., 487 Kent av, Brooklyn, N. Y.
Foster Box Board Co., Utica, N. Y.
Western Paper Box Co., 172 N Green, Chicago, Ill.

## 1263— Boxes (Parcels Post)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York
*See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Foster Box Board Co., Utica, N. Y.
Hinde & Dauch Paper Co. (Corrugated Fibre), Sandusky, O.
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1264— Boxes (Pencil)

American Mfg. Concern (Advertising), Falconer, N. Y.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Tollner's Chas. Sons Co., Pulaski, N. Y.

## 1264a— Boxes (Pin & Hairpin)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & C., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1264b— Boxes (Pin & Trinket)

The Arlington Works (E. I. du Pont De Nemours & Co.), Wilmington, Del.
Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York *See adv index at end of book*

## 1265— Boxes (Pitman)

Herschel R. Mfg. Co., Peoria, Ill.

## 1265a—Boxes (Plant, All Metal)

Majestic Co., Huntington, Ind.

## 1265b—*Boxes (Polished Wood)

**BOGERT & HOPPER, INC.**, 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1266— Boxes (Porous Clay)

Maddock John & Sons (Special Oblong, etc), Trenton, N. J.

## 1267—Boxes (Post Office Lock)

Eagle Lock Co., Terryville, Conn.
Federal Equipment Co., Carlisle, Pa.
Keyless Lock Co., Indianapolis, Ind.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 1268— Boxes (Powder)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
Waterbury Mfg. Co., Waterbury, Conn.

## 1268a— Boxes (Puff)

The Arlington Works (E. I. du Pont De Nemours & Co.), Wilmington, Del.

## 1269—Boxes (Railroad Ticket & Cash Receipt)

Macdonald Ticket & Ticket Box Co., 5015 Wellesley av, Cleveland, O.

## Boxes (Resistance)

See Rheostats

## 1269a— *Boxes (Rifle)

**Estes E. B. & Sons**, 364 5th av, New York
*See adv index at end of book*

## 1270— Boxes (Rural Mail)

See also Boxes, Mail

Alexander Aaron, Newfield, N. Y.
Barth A. H., Sr., Lamar, Mo.
Bettler C. L. & Son, ("Wapello"), Wapello, Ia.
Brickenstein L. B. ("Winston-Salem," "Brickenstein"), Winston-Salem, N. C
Coulston Brundage & Co., La Harpe, Ill
Deshler Mail Box Co. ("Deshler"), Deshler, O.
Erickson J. M., Slater, Ia.
Folsom C. G. Mfg. Co. ("Ideal"), South Bend, Ind.
Forney John H. ("Enterprise"), Burlington, Ia.
Gust G. W., Morenci, Mich.
Harper & McIntire Co. ("Har Mac"), Ottumwa, Ia.
Heine Jno F. & Son ("Hooper"), **Hooper**, Neb.
Heller-Aller Co., Napoleon, O.
Hessler H. E. Co. ("Hessler"), **Syracuse**, N. Y.
Hopson W. C. Co. ("Standard"), Grand Rapids, Mich.
**Kelly Foundry & Machine Co., Goshen**, Ind.
Kentucky Stamping Co. ("Kentucky" Automatic), Louisville, Ky.
Learn & Brindle ("Ideal"), **Columbus**, O
Lisk Mfg. Co. (Ltd.) ("Lisk" Aluminum Galvanized), **Canandaigua, N. Y.**
Mankoff L. G., Verden, Okla.
**Moore James T. & Co., Terre Haute, Ind.**
Northwestern Mail Box Co. ("Carriers Friend"), 5029 McKissock, St. Louis, Mo.
Peck C. A., Hardware Co. ("Gem," "Jewel"), Berlin, Wis.
Reese & Bro., Rolling Prairie, Ind.
Roesch Geo. E. ("Aurora" Automatic), Aurora, Ill.
Superior Sheet Metal Works Co. ("Leader," "Standard" Superior), 3201 Roosevelt av, Indianapolis, Ind.
Swan Geo. B. ("Improved Royal"), Mattoon, Ill.
Tharpe Hardware & Mfg. Co. ("Weather proof"), Monroe, N. C.

## 1271— Boxes (Safe Deposit)

Baum J. Safe & Lock Co., 617 E Front, Cincinnati, O.
Barshal Steel Equipment Co., 2031 Euclid av, Cleveland, O.
**DIEBOLD SAFE & LOCK CO.** (Steel), Canton, O. *See adv index at end of book*
Gross-Feibel Co., Hillsboro, O.
**Hamilton Sheet Metal Co., Hamilton, O.**
Herring-Hall-Marvin Safe Co., Hamilton, O.
Penn Art Steel Works (Strong Steel Bond & Document), Erie, Pa.
Pottsville Foundry & Stove Co., Pottsville, Pa.
**PULLMAN VENTILATOR & MFG. CO.**, York, Pa. *See adv index at end of book*
Safety Deposit Box Co., 395 W Main (Fireproof), Battle Creek, Mich.
Standard Stamping Co., Huntington, W. Va.
Thomas-Peter Co., Canton, O.
Trumbull Safe & Vault Co., 77 W Lake, Chicago, Ill.
**Waterloo Hdw. Co., Waterloo, Ia.**

## 1271a—*Boxes (Safety Razor)

Bogert & Hopper, Inc. (Polished Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Wood, Polished), 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*

## 1272—Boxes (Salt, Spice, Etc.)

Arcade Mfg. Co. (Wood), **Freeport, Ill.**
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Chapman-Sargent Co. (Wooden), Piqua, O
Columbia Can Co., Madison, 1st to 2d, St. Louis, Mo.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Lalance & Grosjean Mfg. Co. (Enameled Iron), 299 B'way, New York
St. Louis Paper Can & Tube Corporation, St. Louis, Mo.

## 1272a— Boxes (Salve)

The Arlington Works (E. I. du Pont De Nemours & Co.), Wilmington, Del.

## 1273— Boxes (Sand)

See also Locomotive Sanders

Brill J. G. Co. ("Dumpit"), 62d & Woodland av, Philadelphia, Pa.
Cleveland Fare Box Co. ("Cleveland"), 4900 Lexington av, Cleveland, O.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Dayton Mfg. Co. ("Simmons-Moore"), Dayton, O.
Electric Service Supplies Co. ("Keystone" Vacuum), 17th & Cambria, Philadelphia, Pa.
Haese Track Sander Co., Milwaukee, Wis.
Holland Trolley Supply Co. ("Nicholas-Lintern"), 1623 E 43d, Cleveland, O.
Jewett Car Co., Newark, O.
Lord Mfg. Co. ("Sterling"), 105 W 40th, New York
Ridlon Frank Co. ("Kilbourn"), 251A, Boston, Mass.
Trojan Button Fastener Co. ("Ham"), **Troy, N. Y.**

## 1274— Boxes (Scale)

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Insley Mfg. Co., 3500 E St. Clair, Indianapolis, Ind.
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O. *See adv index at end of book*
Ohio Ceramic Engineering Co. ("Lakewood"), Berea rd, Cleveland, O.
**STUEBNER G. L. IRON WORKS** (Steel), Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book*

## 1275— Boxes (Seamless Tin)

**AMERICAN CAN CO.**, 120 B'way, New York *See adv index at end of book*
Buckeye Stamping Co., Columbus, O.
Clark J. L. Mfg. Co., Rockford, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Rumrill & Co., 52 Purchase, Boston, Mass.

## Boxes (Service)

See Boxes, Valve & Service

## 1276— Boxes (Shafting)

See also Power Transmitting Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Brown A. & F. Co., 79 Barclay, New York.
Chain Belt Co., Milwaukee, Wis.
Cresson-Morris Co., Allegheny & 18th, Phila, Pa.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Falls Clutch & Machy. Co., Cuyahoga Falls, O.
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machinery Co., Tiffin, O. *See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Hunt Rodney Machine Co., Orange, Mass.
Hyatt Roller Bearing Co. ("Hyatt," Roller Bearing), Harrison, N. J.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O. *See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.**, 329 W. 39th, Chicago Ill., & Hunting Park av & P. & R R. Ry., Philadelphia, Pa.
*See adv index at end of book*

Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

## 1277—Boxes (Shelf Hardware)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS**, 364 5th av, New York *See adv index at end of book*
Green A. H. Co. (Interchangeable Lock Corner), 97 Warren, New York
Heller W. C. & Co. (Varnished Oak Fronts), Montpelier, O.
Moore Chas. P. ("Perfect"), Ravenswood, W. Va.
Sheip Hy. H. Mfg. Co., Columbia av & 6th, Phila., Pa.

## Boxes (Shop, Steel)

See Boxes, Tote, Sheet Steel

## 1277a— *Boxes (Sliding Cover)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1278— Boxes (Soap)

Celluloid Co., 36 Washington pl, New York
Fidelity Can Co., 600-610 Scawline, Baltimore, Md.
Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York. *See adv index at end of book*
The Arlington Works (E. I. du Pont De Nemours & Co.), Wilmington, Del.
Waterbury Mfg. Co., Waterbury, Conn.

## 1279—Boxes (Spark Coil, Waterproof)

Churchill Cabinet Co., 2119 Churchill, Chicago, Ill.
Standard Cabinet Mfg. Co., Peru, Ind.
Union Hardware Co., Torrington, Conn.
West F. M. Box Co., Springfield, Mass.

## 1280— *Boxes (Sprue)

**OHIO MFG. CO.**, P. O. Box 136 Painesville, O. *See adv index at end of book*
Sterling Wheelbarrow Co. ("Sterling"), Milwaukee, Wis.

## 1281—*Boxes (Stacking Steel)

Furman-Fisher Corp., 32 Church, New York. *See adv index at end of book*
**OHIO MFG. CO.**, P. O. Box 136 Painesville, O. *See adv index at end of book*

## 1282-3— *Boxes (Starch)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## Boxes (Starting)

See Rheostats

## 1284— *Boxes (Stock, Steel)

Ohio Mfg. Co., P. O. Box 136, Painesville, O. *See adv index at end of book*

## Boxes (Stoneware)

See Stoneware, Chemical

## 1285— Boxes (Stuffing)

Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855) (Brass), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*

Dodge Sales & Engineering Co., Mishawaka, ind.
Hill Clutch Co., W. 65th, Cleveland, O.
Laughlin Thos. Co., Portland, Maine
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Medina Stamping & Mach. Co., Medina, N. Y.
Monarch Valve Co. ("Monarch"), 112 Front, Brooklyn, N. Y.
Richardson, Edro Brass Co. (Brass), 318 N Holliday, Baltimore, Md.
Union Machine Co. ("D. & L." Throttle Rod, 183 University av, St. Paul, Minn.
Upson-Walton Co. of N. Y. The ("Nobind") (Marine), 291 B'way, New York
Wilcox, Crittenden & Co., Inc. (Bronze), Middletown, Conn.
*See adv index at end of book*

## 1286— Boxes (Switch)

Adam Frank Electric Co., 904 Pine, St. Louis, Mo.
Adams-Holland Electric Co., Revere, Mass.
Advance Electric & Mfg. Co., Kansas City, Mo.
Allsteelequip Co., Aurora, Ill.
Appleton Electric Co. ("Appleton"), Wellington & Paulina, Chicago, Ill.
Bonnell W. A. Co., 192 Chambers, New York, N. Y.
Bryant Electric Co., Bridgeport, Ct.
Burns Jas. F., 713 Cherry, Phila., Pa.
**CHICAGO FUSE MFG. CO.** ("Union"), Laflin & 15th, Chicago, Ill.
*See adv index at end of book*
Colgan W. H. Co. ("Rex"), West Newton, Mass.
Columbia Metal Box Co., 226 E 144th, New York
Cutter Electrical & Mfg. Co. ("Munit"), 19th & Hamilton, Phila., Pa.
Economy Switchbox & Mfg. Co. ("E-Z"), Cleveland, O.
Frederick-Elder Co., Bridgeville, Pa.
Freeman E. H. Electric Co., Trenton, N. J
Hall Switch & Signal Co. (For R. R. Signal Systems), 50 Church, New York
Hart & Hegeman Mfg. Co. ("H. & H."), Hartford, Conn.
Harvard Electric Co., 525 W Van Buren Chicago, Ill.
Holabird-Reynolds Elec. Co., Los Angeles, Cal.
Holzer R. G. (Est. of), New Orleans, La.
Krantz Mfg. Co., 160 7th, Brooklyn, N. Y
McLean W. B. Mfg. Co., 729 Heron av, Pittsburgh, Pa.
Multi Electrical Mfg. Co. (& Service) ("Multi"), 703 Fulton, Chicago, Ill.
National Metal Molding Co. ("National" Solid), 1110 Fulton bldg, Pittsburgh, Pa.
Newgard Henry & Co. ("Newgard"), 947 Wash'n blvd, Chicago, Ill.
Nottingham Wm., N 204 W Brighton, Syracuse, N. Y.
Ostrander W. R. & Co., 371 B'way, New York
Palmer Electric & Mfg. Co., 60 K, Boston, Mass.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Railroad Supply Co., 203 S. Dearborn, Chicago, Ill.
Renim Specialty Co. ("Renim" for Use with Flexible Metallic & Non-Metallic Conduit, etc), Brighton, Boston, Mass.
Rice Geo. H. Co. ("Hol-Ken"), 431 E. 23d, New York
Steel City Electric Co. ("Steel City"), 1207 Columbus av, Pittsburgh, Pa.
Tanner Wm. F. & Co. (Steel, 511 S. Sharp, Baltimore, Md.
Taylor & Boggis Foundry Co., Cleveland, O.
Thomas & Bettes Co. ("T. & B."), 63 Vesey, New York
Toledo Metal Products Co., Spitzer bldg, Toledo, Ohio
Trumbull Elec. Mfg. Co., Plainville, Conn.
V. V. Fittings Co. (Push Buttons, etc), 1906 N 6th, Philadelphia, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

## 1286a— *Boxes (Syringe)

**BOGERT & HOPPER, INC.** (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 1287— Boxes (Tackle)

Merriam Mfg. Co. ("Johnson," Trayless), Durham, Conn.
Standard Stamping Co., Huntington, W. Va.
Wright Bros. Paper Box Co., Fond du Lac, Wis.

## 1288— Boxes (Take Up)

Chain Belt Co., Milwaukee, Wis.
Diamond Iron Works, 2nd & 18th av, N Minneapolis, Minn.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Dow Wire & Iron Works, Louisville, Ky.
Great Western Mfg. Co., Leavenworth, Kan.
Hill Clutch Co., W. 65th, Cleveland, O.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Philadelphia, Pa.
*See adv index at end of book*
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Strait H. N. Mfg. Co., Kansas City, Kan.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. ***See adv index at end of book***
Wolf Co., Chambersburg, Pa.

## 1288a—Boxes (Talcum Powder)

The Arlington Works (E. I. du Pont De Nemours & Co.), Wilmington, Del.
Waterbury Mfg. Co., Waterbury, Conn.

## 1289— *Boxes (Taper, Steel)

**OHIO MFG. CO.**, P. O. Box 136 Painesville, O. *See adv index at end of book*

## Boxes (Telephone)

See Telephone Cabinet Work

## 1290—Boxes (Telephone Toll)

King Lock Co., 319 W Ohio, Chicago, Ill.

## 1291-2-3-4—*Boxes (Ticket Cancelling)

**INGERSOLL-RAND CO.**, 11 B'way, New York *See adv index at end of book*

## 1295— Boxes (Tobacco)

Cheshire J. & Son, Martinsville, Va.
Runyon Bros., Eaton, O.
Vance E. J. Box Co., Ltd., Bay City, Mich.

## 1295a— Boxes (Tool)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York
*See adv index at end of book*
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Spence H. M. (Sheet Iron), Parkersburg, W. Va.

## 1296—Boxes (Tool, Motorcycle)

Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
McKinney Jas. & Son, Albany, N. Y.

## 1297— Boxes (Tool, Steel)

See also Steel Factory Equipment

Canton Art Metal Co., Canton, O.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Ohio Mfg. Co., P. O. Box 136, Painesville, O. *See adv index at end of book*
Youngstown Pressed Steel Co., Youngstown, O.


**Ohio Manufacturing Co.,** PAINESVILLE, OHIO

P. O. BOX 136

Patented

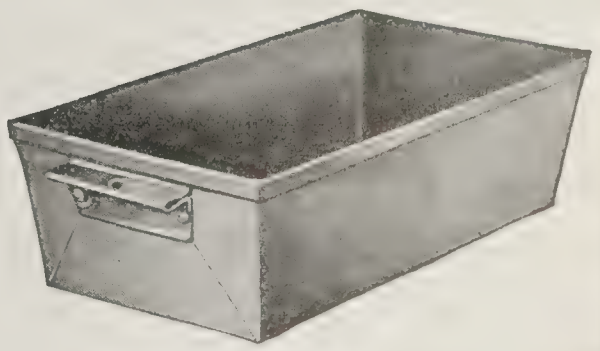
Sheet Steel Shop, Foundry and Truck Barrels

Sheet Steel Tote Boxes
Annealing Pans
Steel Shop Kegs
Steel Lathe Pans

Adjustable Steel Factory Stools

Steel Barrel Trucks

Steel Factory Equipment



## 1297a—Boxes (Tooth-Powder)

The Arlington Works (E. I. du Pont De Nemours & Co.), Wilmington, Del.

## 1298—Boxes (Tote, Sheet Steel)

Allsteelequip Co., Aurora, Ill.
Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
**Berger Mfg. Co.**, Canton, O.
Bernstein Mfg. Co., 3rd & Allegheny, Phila., Pa.
Canton Art Metal Co., Canton, O.
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
**Defiance** Pressed Steel Co., Defiance, O.
Dexter Metal Mfg. Co, 93 Arch, Camden, N. J.
**EDWARDS MFG. CO.**, Cincinnati, O. *See adv index at end of book*
Fisher & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill. *See adv index at end of book*
Furman Fisher Corp., 32 Church, New York *See adv index at end of book*
Gem Stamped Steel Co., Chelsea, Mass.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
**HART & HUTCHINSON CO.** ("H. & H."), Dept C, New Britain, Conn.
Hauserman E. F. Co., Fenestra bldg, Cleveland, O.
Heller W. C. & Co. (For Dies, Bolts, Nuts Screws, etc), Montpelier, O.
Heltzel Steel Form & Iron Co., Warren, O.
Kilbourne & Jacobs Mfg. Co., Columbus O. *See adv index at end of book*
Kirk & Blum Mfg. Co., 2850 Spring Groeve av, Cincinnati, O.
Koenig Edward L., La Salle nr. Lake, Chicago, Ill. *See adv index at end of book*
Kraft A C., 323 W Lake, Chicago, Ill
Littleford Bros., 444 E Pearl, Cincinnati O.
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
Manufacturing Equipment & Engineering Co., Framingham, Mass.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
**OHIO MFG. CO.**, P. O. Box 136, Painesville, O. *See adv index at end of book*
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Smith A. L. Iron Wks., Chelsea, Mass.
Sterling Wheelbarrow Co., Milwaukee, Wis.
Wall P. Mfg. Supply Co., 705 Preble av N S, Pittsburgh, Pa.
Wilson Andrew Co., 6616 Essex, Lawrence Mass. *See adv index at end of book*

## 1299— Boxes (Tubular)

The Arlington Works (E. I. du Pont De Nemours & Co.), Wilmington, Del.

## 1300— Boxes (Turned Wood)

See also Boxes, Lock Corner; also Wood Novelties, Turned

American Woodworking Co., 19 Warren, New York
**BOGERT & HOPPER, INC.** (Bluing, Druggists, Face Powder, Pencil, Screw Cover, Tool, Extract, etc), 57 Barclay, New York *See adv index at end of book*
Capital Box Factory, Sacramento, Cal.
**ESTES E. B. & SONS**, 364 5th av, New York *See adv index at end of book*
Forrest City Box Co., Forest City, Arkansas
Peirce W. E. & Co., Milford, N. H.
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Schutz Bros., 152 Chambers, New York
Sheip H. H. Mfg. Co., 6th & Columbia av, Phila., Pa.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.

## 1301— Boxes (Twine)

Grey Iron Casting Co. (Ball Twine), Mt. Joy, Pa.
Landers, Frary & Clark, New Britain, Conn.
Nicol & Co. ("Nicol's," Hanging, Beehive, etc), 218 N Jefferson, Chicago, Ill.
Sargent & Co., New Haven, Conn.
Williams A. C. Co., Ravenna, O.

## 1302—Boxes (Valve & Service)

Alabama Pipe & Foundry Co., Anniston, Ala.
American Foundry & Mfg. Co., 11th & Herbert, St. Louis, Mo.
Anniston Foundry Co., Anniston, Ala.
Bourbon Copper & Brass Works (Extension Valve Only, etc.), Cincinnati, O.
Bowsher N. P. Co. ("Abbott" Service Stop Box), South Bend, Ind.
Builders' Iron Foundry ("Stacy" Extension Service, "Chadbourne" Service), 9 Codding, Providence, R. I.
Campbell J. B. Brass Works, Erie, Pa.
Canton Foundry & Machine Co. (Adjustable), Canton, O.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co. ("Buffalo" & "Phoenix" Pattern), 90 West, New York
Clark H. W. Co., Mattoon, Ill.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Columbian Iron Works ("Columbian"), Chattanooga, Tenn.
Cutter Geo. Co. ("Cutter's" Steel Service), South Bend, Ind.
Darling Valve & Mfg. Co. (Ltd.), (Extension Valve), Williamsport, Pa.
Drummond M. J. & Co., 51 Chambers, New York
Flower-Stephens Mfg. Co. (Valve), 107 Parkinson, Detroit, Mich.
Guilderland Foundry Co. ("G. F. Co.," Cast Iron Cut Service Boxes), Guilderland, N. Y.
Hays Mfg. Co., Erie, Pa.
Iowa Valve Co., Oskaloosa, Ia.
Jarecki Mfg. Co. ("Jarecki," "Erie," etc.), Erie, Pa.
Kennedy Valve Mfg. Co. (Extension Valve), Elmira, N. Y. *See adv index at end of book*
Ludlow Valve Mfg. Co. (Adjustable Valve), ft. of Adams, Troy, N. Y.
Modern Iron Works ("Buffalo," "Modern," "Quin-See," "M. I. W." Adjustable Service), Quincy, Ill.
Mueller H. Mfg. Co., Decatur, Ill.
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Rensselaer Valve Co. (Valve Only), Troy, N. Y.
S. E. T. Valve & Hydrant Co., 56 Church, New York *See adv index at end of book*
South Park Fdry. & Mach. Co., St. Paul, Minn.
Standard Foundry Co., Anniston, Ala.
Taylor W. P. Co., Ellicott sq, Buffalo, N Y
Union Foundry Co., Anniston, Ala.
Wood R. D. & Co. (Adjustable), 400 Chestnut, Philadelphia, Pa.

## 1302a— *Boxes (Veneer)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 1303— Boxes (Vent)

Gray Iron Foundry Co. (Cast Iron 6" Square), Reading, Pa.

## 1304— Boxes (Wagon)

Anderson Co., 2324 University av, St. Paul, Minn.
Herschel R. Mfg. Co., Peoria, Ill.
Pekin Wagon Co., Pekin, Ill.
Peterson Bell & Co., Clinton, Ia.
Standard Mfg. Co. (For Farm Use), Council Bluffs, Ia.
Turnbull Motor Truck & Wagon Co., Defiance, O.

## 1305— Boxes (Wall)

Brown A. & F. Co., 79 Barclay, New York
Clark W. J. Co., Salem, O.
Cresson-Morris Co., Allegheny & 18th, Philadelphia, Pa.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Duplex Hanger Co. ("Duplex"), E 53d & Lakeside av, Cleveland, O.
**Ernsdorff John Iron Co. (For Farm Use)**, Dubuque, Ia.
Hill Clutch Co., W. 65th, Cleveland, O.
Ideal Hanger Co., Cleveland, O.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
Lanz M. & Sons (Steel), 2907 Carson, Pittsburgh, Pa.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Stolz, Jos. & Son, Inc., 841 E 136th, New York
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

## 1306— Boxes (Waste)

See also Cans, Waste

**AMERICAN CAN CO.**, 120 Broadway, New York *See adv index at end of book*
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bernstein Mfg. Co., 3rd & Allegheny, Phila., Pa.
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co., (Oily Waste, Sheet Metal), 1281 E. 38th, Cleveland, Ohio
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Ely & Williams Co. (Individual), 257 B'way, New York
Koven L. O. & Bro. (Iron), 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
National Fibre & Insulation Co., Yorklyn, Del.

## 1307— *Boxes (Watch)

Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*


**Hendricks' Commercial Register**

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.



ESTABLISHED 1847

**E. B. ESTES & SONS**

Manufacturers of DRUGGISTS' AND CHEMISTS' TURNED WOODEN BOXES

Plain and Polished Turned Wood Vials & Bottles, Powder Boxes, Plain and Silicated Wooden Ointment Jars. Screw Covered Boxes a Specialty

**364 5th Ave. - - - - - - New York City**

## 1308—Boxes (Weigh, for Coal Tipples)

**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Philadelphia, Pa.
*See adv index at end of book*

## 1309— Boxes (Wire Bound)

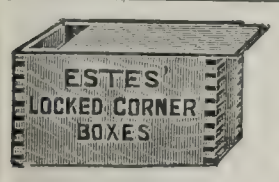
Andrews O. B. Co., Chattanooga, Tenn.
Chicago Mill & Lumber Co., 111 W Washington, Chicago, Ill.
Cincinnati Wire Bound Box Co., Carthage Pike & Big 4 R. R. St. B., Cincinnati, O.
Conneaut Can Co. ("Conneaut"), Conneaut, O.
Defiance Box Co., Defiance, O.
Detroit Wire Bound Box Co., 1031 18th, Detroit, Mich.
Dietz Fred Co., 1102 Madison av, Indianapolis, Ind.
Emby Box Co., Louisville, Ky.
Indianapolis Wire Bound Box Co., 1300 Bucher, Indianapolis, Ind.
Plymouth Mfg. Co. ("Fassmacht" Sectional Packing), Plymouth, Ind.
Richard Shook Corp., 19 W 44th, New York
Sterling Wire Box Co., 366 So Senate av, Indianapolis, Ind.

## 1309a— Boxes (Wood)

Andrews O. B. Co., Chattanooga, Tenn.
Annett Box Co. ("Antex" Butter, Date, etc.), East Jaffrey, N. H.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Churchill Cabinet Co., 2119 Churchill, Chicago, Ill.
Davis Henry D. Lumber Co., Northwest Bank bldg, Portland, Ore.
**Estes E. B. & Sons (Polished, Hinge Cover,** Microscope Slide, Screw Cover & Nested), 364 5th av, New York
*See adv index at end of book*
Fidelity Can Co., 600-610 Scawline, Baltimore, Md.
Friedlander Box Co. (New & Second), 1300 W Lake, Chicago, Ill.
Lea Lumber Co., Richmond, Va.
Norman Lumber Co., Louisville, Ky.
Planters Mfg. Co., Portsmouth, Va.
Richards Shook Corp., 19 W 44th, New York
Standard Cabinet Mfg Co., Peru, Ind.
Stanley & Patterson, 23 Murray, New York
Union Hdwe Co., Torrington, Conn.
West F. M. Box Co., Springfield, Mass.

## 1309b— Boxes (Wooden Packing)

**BOGERT & HOPPER, INC.,** 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

Established 1847 **E. B. ESTES & SONS**
**Manufacturers of Lock Cornered Eastern White Pine and Basswood**
**PACKING AND MAILING BOXES**
Also Finished Hardwood Boxes - Fine Printing a Specialty
**364 5th Ave. - - New York City**

Columbia Specialty Co., 1508 E Fayette, Baltimore, Md.
Conneaut Can Co., Conneaut, O.
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Heekin Can Co., 6th, New & Culvert, Cincinnati, O.
Hudson H. L. Co., 56 Pearl, Brooklyn, N. Y.
Johnson-Morse Can Co., Wheeling, W. Va.
Le Comte & Co., Wolcott, Brooklyn, N. Y.
Metal Package Corp. of N. Y., 346 Carroll, Brooklyn, N. Y.
National Can Co., Detroit, Mich.
New Can Co., 326 A, Boston, Mass.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Passaic Metal Ware Co., Passaic, N. J.
Peoria Can Co. (Combination Bread & Cake, Round Sugar Boxes, Flour, etc.), Peoria, Ill.
Republic Metalware Co., The, Buffalo, N. Y.
Republic Structural Iron Wks Co., 1350 E 53d, Cleveland, O.
Ritter P. J. Conserve Co., 2156 E. Dauphin, Phila., Pa.
Southern Can Co. (Cans Only), 717 S Wolfe, Baltimore, Md.
St. Louis Paper Can & Tube Corp'n., St. Louis, Mo.
St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo.
Stuber & Kuck Co., Peoria, Ill.
Threthaway Bros., Parsons, Pa.
Tin Decorating Co., Boston & Linwood av, Baltimore, Md.
Towle F. S. Co., 332 B'way, New York
U. S. Can Co., Norwood, Cincinnati, O.
Wheeling Can Co., Wheeling, W. Va.

## 1312— Braces (Back)

Lanz M. & Sons. (For Telephone Poles), 2907 Carson, Pittsburgh, Pa.

## Braces (Corner)

See Irons & Braces (Corner)

## 1313— Braces (Cross Arm)

See also Cross Arms, Brackets, etc., Steel

Aetna Nut Co., Southington, Conn.
Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Bissell F. Co. ("Security"), Toledo, O.
Buffalo Steel Co. (Stiff Bessemer Steel) Tonawanda, N. Y.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Galvanized Products Co., Phillipsburg, N. J.
Grabler Mfg. Co., Cleveland, O.
Hallett Iron Works (Angle Iron), Harvey, Ill.

## 1314—Braces (Hand or Stair Rail)

Auer John, Jr. (Wrought), 199 Middletown, Brooklyn, N. Y.
Highton Wm. & Sons Co., Nashua, N. H.

## 1315— Braces (Partition)

Auer John, Jr. (Wrought), 199 Middleton, Brooklyn, N. Y.

## 1316— Braces (Rail)

See also Bars, Splice

Ajax Forge Co., 2503 Blue Island av, Chicago, Ill.
American Frog & Switch Co., Hamilton, O.
*See adv index at end of book*
American Guard Rail Fastener Co. (Pressed Steel & Malleable Iron), Real Estate Trust bldg, Phila., Pa.
Atlas Railway Supply Co., 431 S Dearborn, Chicago, Ill.
**Bethlehem Steel Co. ("Acme"), So Bethlehem, Pa.**
Buda Co., Railway Exch bldg, Chicago, Ill.
Cambria Steel Co., Widener bldg, Phila., Pa.
Central Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*
Cincinnati Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*


Established 1900
**THE CINCINNATI FROG & SWITCH CO.**
Cincinnati, Ohio


Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
Conley Frog & Switch Co., Memphis, Tenn.
Elliott Frog & Switch Co., 301 So Main, East St. Louis, Ill.
**FISHEL & MARKS CO.,** ft. of Krakow av, Cleveland, Ohio
*See adv index at end of book*
Frog Switch & Mfg. Co. (Pressed Steel), Carlisle, Pa.
Indianapolis Switch & Frog Co., Springfield, O.
Industrial Supply & Equipment Co. (Girder & Tee Rail), 407 Sansom, Phila., Pa.
Kilby Frog & Switch Co., Birmingham, Ala.
*See adv index at end of book*
Morden Frog & Crossing Works (Die Formed Steel), 208 S La Salle, Chicago, Ill.
National Malleable Castings Co., 7706 Platt, S E. Cleveland, O.
Nelson Iron Works, 45 Spokane av, Seattle, Wash.
New Era Mfg. Co. (Tie Plate, Rail Clamps & Rail Brace Anti-Creeper Combined), Kalamazoo, Mich.
New York Switch & Crossing Co., Hoboken, N. J.
Pettibone, Mulliken & Co. ("Akins" Forged Steel), 140 S Dearborn, Chicago, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Q. & C. Co. (Mall. Iron & Pressed Steel), 90 West, New York
Rail Joint Co., 61 B'way, New York
Ramapo Iron Works, Hilburn, N. Y.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices, Alphabetical Section*
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.
Signal Accessories Corp. ("Welday"), Utica, N. Y.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Track Specialties Co., 20 B'way, New York
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
**UNION SWITCH & SIGNAL CO. THE,** Swissvale, Pa.
Weir Frog Co., Cincinnati, O.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Wilmington Malleable Iron Works of Eastern Malleable Iron Co., Wilmington, Del.

## 1317— Braces (Rudder)

Malleable Iron Fittings Co. ("M. I. F. Co." Strap & Screw), Branford, Conn.
Reed Geo. A. & Son, Gloucester, Mass.
Wilcox, Crittenden & Co., Inc. (Galvanized & Brass), Middletown, Conn.
*See adv index at end of book*

Fidelity Can Co., 600-610 Scawline, Baltimore, Md.

## 1310— Boxes (Zinc)

**HAMMOND IRON WORKS,** Warren, Pa.
*See adv index at end of book*
National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.

## 1311—Boxes & Cans (Litho Metal)

See also Cans, Tin

**AMERICAN CAN CO., 120 Broadway, New York** *See adv index at end of book*
American Stopper Co., 19 Verona, Brooklyn, N. Y.
Buckeye Stamping Co., Columbus, O.
Burdick & Son, Albany, N. Y.
Burrows Metal Mfg. Co., 521 W 23rd, New York
Clark J. L. Mfg. Co., Rockford, Ill.
Clarke Can Co., 12th & Fitzwater, Phila., Pa.
Colonial Can Co., 120 Milk, Boston, Mass.
Columbia Can Co., Madison, 1st to 2nd, St. Louis, Mo.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kortick Falls Mfg. Co., 335 1st, San Francisco, Cal.
Lanz Matthew & Sons, 2907 Carson, Pittsburgh, Pa.
Line Material Co. (Galvanized), So Milwaukee, Wis.
Meckel Fred L., 11 E 13th, Chicago, Ill.
New England Bolt Co., Inc., Everett, Mass.
**Oliver Iron & Steel Co., S 10th & Muriel,** Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices, Alphabetical Section*
St. Louis Screw Co., Clarence-Bulwer avs, St. Louis, Mo.
Solano Iron Works, Benicia, Cal.
Stolz, Jos. & Son, Inc., 841 E 136th, New York
Valley Forging Co., Verona, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.

## 1318— Braces (Screen Door)

Automatic Door Catch Co. ("Little Giant"), Harvey, Ill.
Champion Hardware Co. ("Champion"), Geneva, Ohio
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Line Material Co., South Milwaukee, Wis.
National Mfg. Co. (Turn-Buckle), Sterling, Ill.
Snyder F. Edw. ("Anti-Sag"), Massillon, O.
Wagner Mfg. Co. ("Wagner"), Cedar Falls, Ia.
Watrous, Acme Mfg. Co., Des Moines, Ia.

## 1319—Braces (Show Case Corner)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Rector & Hardware Specialty Mfg. Co. (Wrought Steel, Glass, etc.) 22d & Western av, Chicago, Ill.

## 1320— Braces (Stove Pipe)

National Mechanical Corp. ("Benjamin"), 125 S Ravine, Chicago, Ill.

## 1321—Braces (Table Leg & Ladder)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Weber-Knapp Co., Jamestown, N. Y.

## 1322—Braces (Telegraph Pole)

American Shovel & Stamping Co., Lorain, O.
Empire Galvanizing Co. (Galvanized), 2507 E Cumberland, Phila., Pa.

## 1323—Braces (Trench or Sewer)

Channon Jas. H. Mfg. Co. ("Union"), 227 W Erie, Chicago, Ill.
Dixon Chas. E. & Son, 3027 Liberty av, Pittsburgh, Pa.
Dunn Mfg. Co. ("Dunn," "Alliance"), Preble av, N S, Pittsburgh, Pa.
Kalamazoo Foundry & Machine Co. (Extensible Trench), 586 E. Main, Kalamazoo, Mich.
Sybilla Elevator & Machine Co., 214 W Ontario, Chicago, Ill.
Waldo Bros. & Bond Co. ("Safety"), 181 Congress, Boston, Mass.

## 1324— Brackets (Arc Lamp)

Cutter Geo. Co. (Ornamental Iron), South Bend, Ind.
Electric Railway Equipment Co., Cincinnati, O.
Fletcher Mfg. Co., Dayton, O.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Hallett Iron Works ("Hallett"), Harvey, Ill.
Line Material Co., So Milwaukee, Wis.
Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.
Morris Elmer P. Iron Works, 136 Liberty, New York
Mott J. L. Iron Works, Trenton, N. J.
Philadelphia Electrical & Mfg. Co. ("Pemco"), 1236 N 31st, Phila., Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 1325— Brackets (Bird Cage)

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 1326—Brackets (Blind Roller)

Grey Iron Casting Co. (For Inside & Outside Blinds), Mt. Joy, Pa.

## Brackets (Corner or Screen Door)

See Braces, Screen Door

## Brackets, Cross-Arms, Etc.

See Brackets, Trolley Pole; also Cross-Arms, Brackets, Etc.

## 1327—Brackets (Curtain Pole)

Bay State Stamping Co. ("Bennett" Adjustable), 380 Chandler, Worcester, Mass.
Judd H. L. Co., 87 Chambers, New York
Mott J. L. Iron Works, Trenton, N. J.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wire Goods Co., Worcester, Mass.

## 1328—Brackets (Desk Telephone)

Alliance Specialty Mfg. Co., Lakewood, O.
American Electric Co. ("Burns," "Economy," "E-Z"), 6401 E State, Chicago, Ill.
Benbow Co., 604 Arch, Phila., Pa.
Brass Fixtures Co., Southington, Conn.
Connecticut Tel. & Electric Co., Meriden, Conn.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Eureka Blotter Bath Co., 6221 Wentworth av, Chicago, Ill.
Fox-Borden Mfg. Co. ("Phone-Eze"), P. O. Box 103, Station A, Hartford, Conn.
Galesburg Writing Machine Co. ("Adjustaphone"), Galesburg, Ill.
Goodline Mfg. Co., Kent, O.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Hunt C. Howard Pen Co. ("Equipoise," "Ad-a-Link"), Camden, N. J.
K. & B. Co. ("Projector" "As-you-like-it-Phonopoise"), 497 N. 3rd, Phila., Pa.
Lee Electric Co. ("Davis," "Calvet," Adjustable), 219 N Calvert, Baltimore, Md.
McLeon-Ward & Co. ("Ward"), 27 430 11th av, New York
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
*See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O. *See adv index at end of book.*
Novelty Electric Co., 50 N 4th, Phila., Pa.
Paragon Electric Co. (Jobbers), 329 E 5th, New York
Scofield & Co., 150 Nassau, New York
Skelley Bracket Co., 1265 W 2d, Cleveland, O.
Stanley & Patterson ("Victor" "Imperial"), 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Swedish-American Telephone Mfg. Co., 5235 Ravenswood av, Chicago, Ill.
Warner Electric Co. (Oxodized Finished), Muncie, Ind.
Western Electric Co., 463 West, New York.

## 1329—Brackets (Electric House)

Brady Electric Mfg. Co., New Britain, Conn.
Electrical Construction Supply Co. ("Chubbuck"), Springfield, O.
Hallett Iron Works, Harvey, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hubbard & Co. ("Peirce"), 63d & Butler, Pittsburgh, Pa.
Morris Elmer P. Iron Works, 136 Liberty New York

## 1330—Brackets (Electric Lamp)

Herwig Art Shade & Lamp Co. (Adjustable), 2140 N Halsted, Chicago, Ill.
*See adv index at end of book*
McCrosky Reamer Co. ("Searchlight," "Universal"), Meadville, Pa.
National Plastic Relief Co., 330 Main, Cincinnati, O.
Reliable Electric Co. ("Reliable Lite Arm"), 411 S Sangamon, Chicago, Ill.

## 1331— Brackets (Flag Pole)

Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Gray Iron Foundry Co. ("Reading," also 3 & 5 Prong), Reading, Pa.
Laughlin Thos. Co., Portland, Maine
Mechanicville Specialty Supply Mfg. Co., Mechanicville, N. Y.
Nicol & Co. ("Columbian"), 218 N Jefferson, Chicago, Ill.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
Wilcox, Crittenden & Co., Inc. ("Ineeda" Stationary & Adjustable), Middletown, Conn.
*See adv index at end of book*
Wrightsville Hardware Co., Wrightsville, Pa.

## 1332—Brackets (Flower Pot)

Grey Iron Casting Co., Mt. Joy, Pa.
Penn Hardware Co., Reading, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Timberlake J. B. & Sons (Gilt Plated Wire), Jackson, Mich.

## 1333—Brackets (Folding Scaffold)

Berlin Construction Co (Folding Steel Building), Berlin, Conn.
Elite Mfg. Co. ("Reliable"), Ashland, O.
Folding Scaffold Bracket Co. ("Detroit"), 60 W Lafayette av, Detroit, Mich.
Moulton C. W. H. Co., Somerville, Mass.
Richards-Wilcox Mfg. Co. ("R-W 231" Steel Builders'), Aurora, Ill.
Steel Scaffolding Co., Evansville, Ind.
Weber Mfg. Co., West Allis, Wis.

## 1334—Brackets (Hand & Foot Rail)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Champion Hardware Co. (Hand), Geneva, O.
Cheney S. & Son, Manlius, N. Y.
Chicago Hardware Foundry Co., No Chicago, Ill.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Dent Hardware Co. (Bar Brackets, for Arm, Foot Rail & Swinging Foot Rail), Fullerton, Pa.
Glenn Fred E. (Counter Rail), St. Charles, Ill.
Highton Wm. & Sons Co., Nashua, N. H.
Ives H. B. Co., New Haven, Conn.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Norwalk Lock Co., S Norwalk, Conn.
Penn Hardware Co., Reading, Pa.
Pratt Wm. E. Mfg. Co. (Hand Rail), 35 W Lake, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.

## 1335—Brackets (Lamp, Carriage & Auto)

Halladay L. P. Co. ("Universal"), Streator, Ill.
Raydex Mfg. Co., Inc., Brackenridge, Pa.
Republic Auto Parts Co. (Ford Cars), 81 Tenth, Long Island City, N. Y.
Seiss Mfg. Co., Toledo, O.

## 1336—Brackets (Lamp, Kitchen & Bunker)

Arcade Mfg. Co., Freeport, Ill.
Gray Iron Foundry Co. (Cast Iron, Bronze & Gold Finish), Reading, Pa.
Grey Iron Casting Co. (Cast), Mt. Joy, Pa.
Halladay L. P. Co. ("Universal") Streator, Ill.
Penn Hardware Co., Reading, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Timberlake J. B. & Sons ("Jaxon," Wire for Oil Lamps), Jackson, Mich.
Wrightsville Hardware Co. (Swinging), Wrightsville, Pa.

## 1336a— Brackets (Pipe)

Gross, Geo., Rockaway Beach, L. I., N. Y.

## 1337—Brackets (Plumbers', Lavatory, Tank, Etc.)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co., Waterbury, Conn.
Barber Mfg. Co. (Cast Iron Only), Ashtabula, O.
Barnes Mfg. Co., Mansfield, O.
Brey & Krause Mfg. Co., Allentown, Pa.
Chattanooga Boiler & Tank Co., Chattanooga, Tenn.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Glenn Fred E., St. Charles, Ill.
Griffin Mfg. Co., Erie, Pa.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Lalance & Grosjean Mfg. Co. (Plumbers'), 299 B'way, New York
McCambridge Co., 315 N. 20th, Phila., Pa.

McDonald A. Y. Mfg. Co. ("Diamond"), Dubuque, Ia.
Mechanicville Specialty Supply Mfg. Co. (Expansion Tank), Mechanicville, N.Y.
Mott J. L. Iron Works, Trenton, N. J.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Park & McKay, 55 Bagley av, Detroit, Mich.
Shevlin Engng Co., Inc., 108 W 34th, N. Y. City
Tyler Fred A. (Expansion Tank Brackets), Albany, N. Y.
Wolverine Brass Works (Lavatory), Grand Rapids, Mich.

## 1338— Brackets (Pothead)

Bissell F. Co. ("Security"), Toledo, O.
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.

## 1339— Brackets (Rafter)

Badger Malleable & Mfg. Co., So. Milwaukee, Wis.
Farley & Loetscher Mfg. Co. (Wood), Dubuque, Ia.
Louden Machinery Co., Fairfield, Ia.
MYERS F. E. & BRO., 900 Fourth, Ashland, O. *See adv index at end of book*
Ney V. L. Hay Tool Co., Canton, O.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Steel Scaffolding Co., Evansville, Ind.
Stowell Co., The, So. Milwaukee, Wis.

## 1340— Brackets (Roof)

EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Folding Scaffold Bracket Co., 60 W Lafayette av, Detroit, Mich.
Henderson A. P. ("Henderson" Self-Locking, Adjustable), Assinippi, Mass.
Moulton C. W. H. Co., Somerville, Mass.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Stanley Rule & Level Co., New Britain, Conn.
Steel Scaffolding Co., Evansville, In.
Wagner Mfg. Co. ("Wagner"), Cedar Falls, Ia.

## 1341— Brackets (Shelf, Etc.)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Atlas Mfg. Co. ("Bradley's"), New Haven, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Dent Hardware Co., Fullerton, Pa.
Garden City Plating & Mfg. Co., 1430 S Talman av, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
GRAND RAPIDS BRASS CO., Grand Rapids, Mich. *See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co. (Pressed Steel Folding) Erie, Pa
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa
Piqua Bracket Co. ("Piqua" Adjustable) Piqua, O.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain Conn.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co., Sharon, Pa.
STANLEY WORKS (Wrought Steel; Also Folding), New Britain, Conn.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
Stover Mfg. & Engine Co., Freeport, Ill.
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wrightsville Hardware Co., Wrightsville Pa.

## Brackets (Shingling)

See Brackets, Roof

## 1342-3— Brackets (Sink)

Advance Mfg. Co., Erie, Pa.
American Foundry & Mfg. Co. (Adjustable), 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco", Brass, Lavatory, Tank, etc), Waterbury, Conn.
American Scale Co., Kansas City, Mo.
Bignall Co., Medina, N. Y.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co. (Sink, also Extension Sink, Adjustable), 90 West, New York
Columbia Sanitary Mfg. Co., Louisville, Ky.
Crestline Mfg. Co. (Adjustable), Crestline, O.
Eagle Specialty Mfg. Co. (Steel), Jamestown, N. Y.
Glenn Fred. E., St. Charles, Ill.
Gray Iron Foundry Co. (Cast Iron), Reading, Pa.
Griffin Mfg. Co. (Lavatory, Sink & Flush Tank, etc), Erie, Pa.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Hessler H. E. Co. ("Syracuse" Steel), Syracuse, N. Y.
Kupferle John C. Foundry Co. (Sink), 1st & Wright, St. Louis, Mo.
Mechanicville Specialty Supply Mfg. Co., ("J. R. S.," "Sure Grip for Expansion & Range Tanks), Mechanicsville, N. Y.
Modern Iron Works ("M. I. W." Cast Iron), Quincy, Ill.
Penn Hardware Co., Reading, Pa.
STANLEY WORKS (Wrought Steel), New Britain, Conn.
*See adv index at end of book*
Swett A. L. Iron Works, Medina, N. Y.
Treaty Co., Greenville, O.
Union Foundry Co., Anniston, Ala.
Young Joseph H. Co. ("Boston" Adjustable, Sink & Wash Tray), 82 High, Boston, Mass.

## Brackets (Sinks, Adjustable)

See Brackets, Sink

## 1344— Brackets (Staging)

Steel Scaffolding Co. (Steel), Evansville, Ind.

## Brackets (Stair Rail)

See Braces, Hand & Foot Rail

## 1345—Brackets (Steel Scaffold)

See also Brackets, Folding Scaffold
American Steel Scaffold Co., 550 Grand River, Detroit, Mich.
Buxton Joseph ("Detroit"), 935 Scotten, Detroit, Mich.
Taylor Jas. L. Mfg. Co., Poughkeepsie, N. Y.

## 1346— Brackets (Table)

Mott J. L. Iron Works, Trenton, N. J.

## 1347—Brackets (Trolley Pole)

See also Cross Arms; also Insulator Pins & Brackets
American Bridge Co. (Steel), 30 Church, New York
Bissell F. Co. (Wood), Toledo, O.
Brady Electric Mfg. Co., New Britain Conn.
Central Lumber Co. (Wood), Chattanooga, Tenn.
Creaghead Engineering Co. (Flexible), 340 Main, Cincinnati, O.
Cutter Geo. Co., South Bend, Ind.
Diamond Steel Pole Co., Land Title bldg, Phila., Pa.
Electric Railway Equip. Co., Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Fletcher Mfg. Co. (Iron), Dayton, O.
Francis Philip S. (Adjustable), 115 N 6th Phila., Pa.
GENERAL ELECTRIC CO., Schenectady N. Y. *See adv index at end of book*
Hallett Iron Works ("Hallett" Universal), Harvey, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Line Material Co., So Milwaukee, Wis.
St. Louis Malleable Casting Co., 7701 N Conduit av, St. Louis, Mo.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*
Wisconsin Bridge & Iron Co., North Milwaukee, Wis.

## Brackets (Wall)

See Power Transmitting Machinery

## 1348— Brackets (Wood)

Bogert & Hopper, Inc. (Curtain Scroll Work), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Curtain, Scroll Work, etc.), 364 5th av, New York.
*See adv index at end of book*
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gravely B. F. & R. P., Martinsville, Va.
McMillen R. Co., Oshkosh, Wis.
Morgan Co., Oshkosh, Wis
Peirce W. E. & Co., Milford, N. H.
Riggs Cypress Co., Ltd., Patterson, La.
STEARNS A. T. LUMBER CO., 100 Taylor, Neponset, Boston, Mass. *See adv index at end of book.*
Zimmerman Chas. E., 204 Burnett av, Syracuse, N. Y.

## 1349— Brad-Sets

Standard Tool Co., 94 Reade, New York
STARRETT L. S. CO. (THE), Athol, Mass
*See adv index at end of book*
Trosco Mfg. Co., Citizens bldg, Cleveland, Ohio

## 1350—Brake (Angle & Band Iron)

Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.

## 1350a— Brake Band Lining

Empire Weaving & Belting Corp. ("Tuftex"), East Rochester, N. Y.
Standard Supply & Equipment Co., Cherry & 13th, Philadelphia, Pa.
United Asbestos & Packing Co. ("Duraco," "Durabestos," "Duroil," "Unapec"), 619-629 Washington blvd, Chicago, Ill.

## 1351—*Brake Banding for Automobiles

Bossert Corporation (The), cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
Empire Weaving & Belting Corp. ("Tuftex"), East Rochester, N. Y.

## 1352— Brake Beams

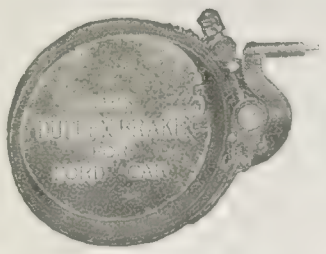
American Steel Foundries, McCormick bldg, Chicago, Ill.
Bethlehem Steel Co. (Open-Hearth Steel), South Bethlehem, Pa.
Buffalo Brake Beam Co. ("Vanderbilt"), 32 Nassau, New York
Cambria Steel Co. ("Davis"), Widener bldg, Phila., Pa.
Chicago Railway Equipment Co. ("Kewanee," "Diamond," "Creco," "Sterlingworth," "National," "Reliance," Ninety-six," "Drexel" & "Monarch"), 1928 W 46th, Chicago, Ill.
Damascus Brake Beam Co. ("Waycott," "Damascus," "Anglerod"), London rd & Nickel Plate, Cleveland, O.
Davis Brake Beam Co., Johnstown, Pa.
Federal Railway Supply Co., Knoxville, Tenn.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Joliet Railway Supply Co. ("All Steel," "Hunton," "L. N.," High Speed), Joliet, Ill.
Liberty Steel Products Co., 233 B'way, New York
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Standard Steel Car Co., A. V. R. R., Pittsburgh, Pa.
Western Steel Car & Foundry Co., Peoples Gas bldg, Chicago, Ill.

## 1353— Brake Jaws

Chicago Railway Equipment Co. ("Creco"), 1928 W 46th, Chicago, Ill.
Cleveland City Forge & Iron Co., Cleveland, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Spencer Otis Co., 80 E Jackson blvd, Chicago, Ill.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa. Works: Ellwood City, Pa.
Western Railway Equipment Co. ("Western"), Central National Bank bldg, St. Louis, Mo.
Western Tool & Forge Co., Brackenridge, Pa.

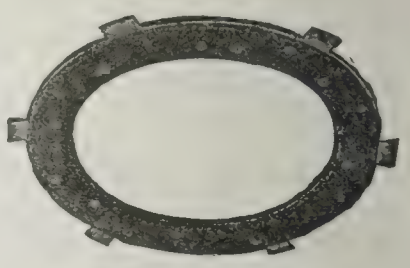
# BETTES & EBSEN

152 CHAMBERS ST. NEW YORK CITY



# RAYBESTOS

Brake Lining — Clutch Facings and Linings
Automobile Wire — Sheet Fibre and Packing
Hardware and Tools




## 1354—Brake Lining (Asbestos)

Advance Packing & Supply Co. (Brakebestos Ford Sts. etc), 54 E Lake, Chicago, Ill.
**American Asbestos Co. ("Testbestos"), Norristown, Pa.**
Asbestos Fibre Spinning Co. ("Fibo"), North Wales, Pa.
Asbestos & Rubber Works of America ("Ajax," "Motorbestos"), 58th & B'way, New York
Asbestos & Rubber Works of N. J. ("Longwear"), Camden, N. J.
Asbestos Textile Co., 233 B'way, New York
**BETTES & EBSEN,** 152 Chambers, New York. *See adv index at end of book*
Cincinnati Rubber Mfg. Co. ("Arno" Band), Cincinnati, O.
Coe & Brown, New Haven, Conn.
**DOMINION ASBESTOS & RUBBER CORP** ("Griptite"), 154 Nassau, New York *See adv index at end of book*
Erbestos Brake Lining Co., 242 N 17th, Phila., Pa.
**Essex Rubber Co., Trenton, N. J.**
**General Asbestos & Rubber Co. ("Garco"), Charleston, S. C.**
Horton F. L. Cork Co. ("Elektra"), 36 Whittier, Roxbury, Boston, Mass.
Johns-Manville H. W. Co. ("Non-Burn"), Madison av & 41st, New York
**Keasbey & Mattison Co. ("Ambler Autobestos"), Ambler, Pa.**
McIlroy Belting & Hose Co., Hammond, Ind.
**MIKESELL BROS. CO.,** 156 N La Salle, Chicago, Ill. *See adv index at end of book*
Motor Car Supply Co. ("M. C. S."), 1453 Michigan av, Chicago, Ill.
National Leather Belting Co. ("Everlast"), 342 E 38th, New York
Raybestos Co., Bridgeport, Conn.
Rossendale-Reddaway Belting & Hose Co. ("Arabian Brand" Camel Hair & Cotton), Newark, N. J.
Russell Mfg. Co. ("Rusco"), Middletown, Conn.
Scandinavia Belting Co., 106 Reade, New York
Standard Woven Fabric Co. ("Multibestos"), Walpole, Mass.
Staybestos Mfg. Co. ("S. M. C."), Phila., Pa.
Thermoid Rubber Co. ("Thermoid"), Trenton, N. J. *See adv index at end of book*
United & Globe Rubber Co. ("Globe"), Trenton, N. J.
Woven Steel Hose & Rubber Co. ("Blue-edge"), Trenton, N. J.

## 1354a— Brake Lining Filler

Commercial Chemical Co., 212 Essex, Boston, Mass.

## 1355—Brake Shoe Wheel Truing

**Wheel Truing Brake Shoe Co., The Lenox, Detroit, Mich.**

## 1356— Brake Shoes

**American Abrasive Metals Co. ("Feralun"), 50 Church, New York**
**American Brake Shoe & Foundry Co. (For Steam & Electric Railways, Locomotive Driving, Steel Back, etc.), 30 Church, New York.**
**American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.**
American Safety Lamp & Mine Supply Co., Scranton, Pa.


# THERMOID ASBESTOS PRODUCTS

Asbestos Material
Brake Lining
Brake Blocks
Clutch Blocks
Clutch Discs
Clutch Facings

*For All Automotive and Industrial Purposes*

Thermoid Rubber Company

Factories and Main Offices: TRENTON, N. J., U. S. A.

*Branches:*

New York Atlanta Cleveland Detroit
Philadelphia Boston Chicago San Francisco
London Paris Turin

Barbour Stockwell Co. (Electric Railway), Cambridge, Mass.
Barnum-Richardson Co., Lime Rock, Conn.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Cherry Tree Machine Co., Cherry Tree, Pa.
Chester Steel Castings Co., Chester, Pa.
Dyer G. H. Co., Cambridge, Mass.
**JANNEY & CO.**, Montgomery, Ala.
*See adv index at end of book*
Lancaster Iron Works ("Lancaster" Safety), Lancaster, Pa.
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Mowry Car Wheel Works Co., Cincinnati, O.
Murray Iron Works Co., Burlington, Ia.
Spencer Otis Co., 80 E Jackson blvd, Chicago, Ill.
Parker & Topping Co. ("The Diamond S"), Brainerd, Minn.
Pittsburgh Brake Shoe Co., Farmers B'k bldg., Pittsburg, Pa.
Pittsburgh Iron & Steel Foundries Co., Midland, Pa.
Railway Materials Co. (Steel Back), Railway Exchange bldg., Chicago, Ill.
Railway & Mine Supply Co. (Locomotive), McCormick bldg, Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.
Reliance Steel Casting Co., 28th & Smallman, Pittsburgh, Pa.
Republic Auto Parts Co. (For Ford Cars), 81 Tenth, Long Island City, N. Y.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Spear & Miller Co. ("Ideal"), 80 E Jackson blvd, Chicago, Ill.
Swett A. L. Iron Works, Medina, N. Y.
Taylor Electric Truck Co. ("Taylor"), Troy, N. Y.
Waterbury Foundry Co., Waterbury, Conn.
Western Steel Car & Foundry Co. (Grey Iron), Peoples Gas bldg, Chicago, Ill.
Wheel Truing Brake Shoe Co. (Wheel Grinders), The Lenox, Detroit, Mich.

## 1357—Brake Shoes (Automobile)

American Vulcanized Fibre Co. (Fibre), 504 Equitable bldg., Wilmington, Del.
Continental Fibre Co. (Fibre), Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Diamond State Fibre Co. (Fibre), Bridgeport, Pa.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
National Fibre & Insulation Co., Yorklyn, Del.

## 1358— Brakes (Air)

Allis-Chalmers Mfg. Co. (Electric), Milwaukee, Wis.
**GENERAL ELECTRIC CO.** (Electric) Schenectady, N. Y.
*See adv index at end of book*
National Brake & Electric Co. ("National" Electric), ft Belleview pl., Milwaukee, Wis.
New York Air Brake Co., 165 B'way, New York
**WESTINGHOUSE AIR BRAKE CO.**, Pittsburgh, Pa.

## 1359—*Brakes (Air, Electric Car)

**WESTINGHOUSE TRACTION BRAKE CO.**, Pittsburgh, Pa.

## 1360—*Brakes (Air, Electric Locomotive)

**WESTINGHOUSE TRACTION BRAKE CO.**, Pittsburgh, Pa.

## 1361— Brakes (Automobile)

Clark Edward S., Boston, Mass.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Hartford Edward V. (Electric), 141 Morgan, Jersey City, N. J.
Kaybestos Co. ("Duplex"), Bridgeport, Conn.
Cork Insert Co., 164 Federal, Boston, Mass.
Raybestos Co. ("Duplex"), Bridgeport, Conn.

## Brakes (Car)

**See Brakes, Electric Car**

## 1362— Brakes (Coaster)

Buffalo Metal Goods Co. ("Atherton"), 196 Winchester av, Buffalo, N. Y.
Corbin Screw Corporation "(Corbin Duplex"), New Britain, Conn.
Eclipse Machine Co. ("Morrow"), 18th, Elmira, N. Y.
**Hurck Indian Motor Co., 109 N 12th, St.** Louis, Mo.
Miami Cycle & Mfg. Co. ("Musselman" Automatic for Bicycles & Motor Cycles), Middletown, O.
**NEW DEPARTURE MFG. CO.** ("New Departure"), Bristol, Conn.
*See adv index at end of book*

## 1363— Brakes (Disc)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*

## 1364— Brakes (Electric Car)

Ackley Brake & Supply Corp., 50 Church, New York
Allis-Chalmers Mfg. Co. ("Christensen"), Milwaukee, Wis.
Brill, J. G. Co., 62d & Woodland av, Phila., Pa.
Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic av & Chestnut, Brooklyn, New York.
McGuire-Cummings Mfg. Co. ("Elastic"), Harris Trust & Savings bldg, Chicago, Ill.
National Brake Co. ("Peacock," "Ackley," Adjustable), Ellicott sq, Buffalo, N. Y.
National Brake & Electric Co. ("National" Air), ft Belleview pl, Milwaukee, Wis.
National Car Coupler Co. ("Hinson"), Attica, Ind.
New York Air Brake Co., 165 B'way, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Taylor Electric Truck Co., Troy, N. Y.
**WESTINGHOUSE TRACTION BRAKE CO.**, Pittsburgh, Pa.

## 1365—*Brakes (Electric Crane)

See also Brakes, Electric Motor
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 1366—*Brakes (Electric Magnetic)

**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O. *See adv index at end of book*

## 1367—*Brakes (Electric Motor)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 1368—*Brakes (Electro Pneumatic)

**WESTINGHOUSE TRACTION BRAKE CO.**, Pittsburgh, Pa.

## Brakes (Flax)

See Tow Mill Machinery

## 1369— Brakes (Locomotive)

American Brake Co., 1932 N B'way, St. Louis, Mo.
New York Air Brake Co. (Also Tender, Driver, Freight & Passenger Car), 165 B'way, New York
**WESTINGHOUSE AIR BRAKE CO.** (Also for Pasenger & Freight Cars), Pittsburgh, Pa.

## 1370—*Brakes (Magnetic Friction)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O. *See adv index at end of book*

## Brakes (Motor Cycle)

**See Brakes, Coaster**

## 1371— Brakes (Rail)

Miller Supply Co. (Friction for Dropping Railroad Cars Under Coal Chutes, etc), Huntington, W. Va.

## 1372— *Brakes (Solenoid)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 1373— Brakes (Vacuum)

New York Air Brake Co. (& Vacuum Automatic), 165 B'way, New York

## 1374— Brakes (Wagon)

Akron-Selle Co., Akron, O.
Eberhard Mfg. Co., C & P. Ry & Tennyson rd, Cleveland, O.
Ferrell Brake & Mfg. Co., Cassius av, S E, Cleveland, O.
Newton W. H. & Son, Cortland, N. Y.

## 1375— Brass Altar Rails

See also Bronze, Architectural
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Cincinnati Mfg. Co., Cincinnati, O.
**COLUMBUS BRASS Co., 538 Dublin av,** Columbus, O. *See adv index at end of book*
Feeley W. J. Co., 169 Angell, Providence, R. I.
**NEWMAN MFG. CO.**, 717 Sycamore, Cincinnati, O., 68 W. Washington, Chicago, Ill. *See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*

## 1375a—*Brass (Block Cutters)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*

## 1376— Brass (Embossed)

American Brass Co., Waterbury, Conn.
*For branch offices see adv index at end of book*
Haugh W. S., Jr., Co. 61 Peck, Providence, R. I.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1377— *Brass (Engravers')

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*

## 1378—*Brass Fireplace Goods

See also Fireplace Furnishings
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*

## Brass Founders

See Firms in Machinists & Founders Marked Thus: §. Also a Selected List under Castings, Brass

## Brass Founders' Supplies

See Foundry Facings & Supplies

## 1378a— *Brass Forgings

Am. Brass Products Co., Pottstown, Pa.
Charleston Iron Works, Charleston, S. C.

## 1379— *Brass (Glass Binding)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*

## 1379a— *Brass Parts

**WATERBURY MFG. CO.**, Waterbury, Conn.

## Brass Sheet

See Copper & Brass Sheet

## 1380— *Brass (Sign)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*

## 1381— *Brass (Spinning)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*

## Brass Tubing

See Tubing Brass & Copper

## 1382— Brass (White)

Bridgeport Deox Bronze & Metal Co., Bridgeport, Conn.
Cramp Wm. & Sons Ship & Engine Bldg. Co. ("Parsons"), Beach & Fall, Phila., Pa.
New Era Mfg. Co., Kalamazoo, Mich.

## 1383—Brass & Bronze (Hoop)

American Brass Co., Waterbury, Conn.
*For branch offices see adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*

## 1384—Brass & Bronze (Spring)

**AMERICAN BRASS CO.**, Waterbury Conn.
*For branch offices see adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*

## 1385—Brass & Bronze (Strip)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
**BALTIMORE TUBE CO.**, Wicomico & Ostend, Baltimore, Md.
Bridgeport Rolling Mills, Inc., Bridgeport, Conn.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
**MIDWEST BRASS & COPPER CO., INC.**, 480 Broome, New York
*See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*

## 1386—Brass & Copper Angles, Channels, Etc.

Acheson Mfg. Co., Rankin, Pa.
American Brass Co., Waterbury, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
Randolph-Clowes Co. (Plain Drawn), Waterbury, Conn.
Conklin T. E. & Co., 61 Duane, New York
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Detroit Copper & Brass Rolling Mills Clark av, Wabash R. R., Detroit, Mich
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York.
Kawneer Mfg. Co., Niles, Mich.
Manhattan Brass Co. (Brass & Bronze) 332 E 28th, New York
Michigan Copper & Brass Co., 1611 W. Jefferson av, Detroit, Mich.
**MIDWEST BRASS & COPPER CO., INC.**, 480 Broome, New York
*See adv index at end of book*
New Jersey Tube Co., Harrison, N. J.
Rome Brass & Copper Co. (Brass & Copper), Rome, N. Y.
Trumbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Phila., Pa. *See adv index at end of book*
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*
Whitehead Metal Products Co., 67 Washington North, Boston, Mass.
*See adv index at end of book*

## 1386a—Brass Work (Structural)

Columbus Brass Co., 38 Dublin av, Columbus, Ohio *See adv index at end of book*
Liberty Brass Works, 557 Quincy, Chicago, Ill.
McKenna Brass & Mfg. Co., 1st av, & Ross, Pittsburgh, Pa.
Porkorvey B. W. & Co., 132 S Clinton, Chicago, Ill.

## 1387—Brasses (Car & Engine)

**Ajax Metal Co.** ("Ajax"), 46 Richmond, Phila., Pa.
Brady Brass Co., 170 14th, Jersey City, N. J.
Chicago Journal Bearing Co. (High Grade), 519 W Vanburen, Chicago, Ill.
Continental Car Co. of America, Louisville, Ky.
**DAMASCUS BRONZE CO.** ("Damascus" Rolling Mill, Railroads & Electric Railways, etc), Pittsburgh, Pa.
*See adv index at end of book*
Dixie Brass & Foundry Co., Birmingham, Ala.
Duluth Brass Works Co., Duluth, Minn.
Eagle Brass Foundry Co., Seattle, Wash.
*See adv index at end of book*

**EAGLE BRASS FOUNDRY CO.**
SEATTLE, WASH.
MARINE, RAILROAD and JOB SUPPLIES
Founders, Machinists and Pattern Makers

Edna Brass Mfg. Co. (For Steam or Electric), Cincinnati, O.
Eureka Brass Co. (Lagging Car), 601 Red Bud av, St. Louis, Mo.
Gilb V. & Son, Birmingham, Ala.
Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park bl, St. Louis, Mo.
Great Lakes Brass Foundry, Bay City, Mich.
Gustafson Mfg. Co., Chattanooga, Tenn.
Hodgkins J. F. Co., Gardiner, Me.
Janney & Co., Montgomery, Ala.
*See adv index at end of book*
Keystone Bronze Co. (High Grade), 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*
Magnus Metal Co., 80 E. Jackson blvd. Chicago, Ill.
**MORE-JONES BRASS & METAL CO.**, B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 1387a—*Brazilian Aquamarines, Tourmalines & Rough Diamonds

**DIAMOND DRILL CARBON CO.**, 59 Park row, New York

## 1387b— *Brazilian Ballas

**DIAMOND DRILL CARBON CO.**, 59 Park row, New York

## Brazing Apparatus

See Blow Pipes & Brazing Apparatus

## 1388— Brazing (Cast Iron)

American Ferrofix Brazing Co., Perry bldg, Phila., Pa.
Boston Brazing Co., 465 Atlantic av, Boston, Mass.
Chattanooga Brazing & Welding Co., Chattanooga, Tenn.
Clark Edred W., Hartford, Conn.
Ferrofix Brazing & Machine Works, Seattle, Wash.
Metals Welding Plant (Steel Products Co.), 4400 Perkins av, Cleveland, O.
Pacific Welding & Brazing Co., 503 Van Ness av, San Francisco, Cal.
Pittsburgh Reinforced Brazing & Machine Co., 2515 Liberty, Pittsburgh, Pa.
San Francisco Brazing & Welding Wks, 131 Beale, San Francisco, Cal.
Standard Brazing Co., 43 Bromfield, Boston, Mass.
Troy Cast Iron Brazing Co., Troy, N. Y.

## 1389—Breakers (Casting or Scrap)

Curtis & Co. Mfg. Co. (Compressed Air), 1571 Kienlen av, St. Louis, Mo.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 1390— Breakers (Circuit)

Anderson Albert & J. M. Mfg. Co., 289a Boston, Mass.
Automatic Re-Closing Circuit Breaker Co., 38 N Water, Columbus, O.
Bowie Switch Co., 14 Montgomery, San Francisco, Cal.
Condit Electrical Mfg. Co. ("Condit" Carbon Break & Oil Break), 1st & L, Boston, Mass.
Cutter Electrical & Mfg. Co. ("Dalite," "I. T. E."), 19th & Hamilton, Phila., Pa.
Decatur Pump & Mfg. Co. (Gasoline Engine Ignition), Decatur, Ill.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Hartman Electrical Mfg. Co. (Automatic), Mansfield, O.
Janette Mfg. Co., 617 W Jackson blvd, Chicago, Ill.
Kelman Elecric & Mfg. Co., Los Angeles, Cal.
Line Material Co., South Milwaukee, Wis.
Monarch Valve Co. ("Monarch"), 112 Front, Brooklyn, N. Y.
Motor Protector Mfg. Co. (Syn-Themal), 111 Kearny, San Francisco, Cal.
Old English Slate Quarries, 10 Milk, Boston, Mass.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Palmer Electric & Mfg. Co. (Automatic Reverse Phase), 60 K, Boston, Mass.
Pittsburgh Armature Works, 207 S Main, Pittsburgh, Pa.
Roller-Smith Co., 233 Broadway, New York
Sangamo Electric Co., Springfield, Ill.
Sundh Electric Co. ("Sundh"), Parkwist, Newark, N. J.
Ward Leonard Elec. Co., Mount Vernon, N. Y.
Westburg Engng. Co., 53 W. Jackson blvd, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Alternating & Direct Current), East Pittsburgh, Pa.
*See adv index at end of book*

## 1391— Breakers (Ice)

Allman Gas Engine & Machine Co. ("Champion" Power), 461 Canal, New York
Am. Knife Co., Baldwinsville, N. Y.
Blakeslee G. S. & Co. ("Little Giant," "Rheinhold" Choppers, Power), W. 19th & S. 52nd av, Chicago, Ill.
Bohn Refrigerator Co. ("The Bohn" Ice Cracker), 1340 Universal av, St. Paul, Minn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Columbus Handle & Tool Co., Columbus, Ind.
Dilg Mfg. & Trading Co. ("Champion"), 27 E. 125th, New York
Gifford-Wood Co., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Harrison Safety Boiler Works ("Creasey" Power), 3147 N 17th, Phila., Pa.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
*See adv index at end of book*
**NICHOLS BROS.** ("Nichols Bros"), (Hand), Greenfield, Mass.
North Bros. Mfg. Co. ("New Rapid"), Lehigh av & American, Phila., Pa.
Schmidt B. L. Co. ("Little Giant" Hand & Power), Davenport, Ia.
Schwenker W. M., 342 E 92d, New York
Stortz John & Son (Hand), 210 Vine, Phila., Pa.

## 1392—*Breakers (Magnetic Re-Set Circuit)

**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 1393— Breakers (Pig Iron)

Brown Hoisting Machinery Co., 4403 St. Clair, N. E, Cleveland, O.

## 1394— Breakers (Staybolt)

See also Pneumatic Staybolt Breakers

Williams, White & Co. ("Lowe" for Boiler Shops), Moline, Ill.

## Breakers (Stone)

See Crushers, Rock & Ore

## 1395— Breakers (Tailing)

Atlanta Utility Works, East Point, Ga.

## 1396— Breakers (Vacuum)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 1397— *Breakers & Cleaners (Coal)

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

## 1398-9— Breechings (Boiler)

Coatesville Boiler Works, 30 Church, New York
Codd E. J. Co., 700 Scawline, Baltimore, Md.
Dover Boiler Wks., 50 Church, New York
*See adv index at end of book*
Downey T. F. Boiler Wks., 323 W Austin av, Chicago, Ill.
*See adv index at end of book*
Farrar & Thefts, Buffalo, N. Y.
*See adv index at end of book*
Granger A. D. Co., 15 Park row, New York
Lebanon Boiler Works, Lebanon, Pa.
Lookout Boiler & Mfg. Co., Chattanooga, Tenn.
McNamara Bros. Co., Westport, Baltimore, Md.
Muskegon Boiler Wks., Muskegon, Mich.
Standard Tank Co., 15 Park row, New York
Tippett & Wood, Phillipsburg, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

## 1400-1—Brick (Acid Proof)

See also Stoneware, Chemical

Belden Brick Co., Canton, O.
Big Savage Fire Brick Co., Frostburg, Md.
California Brick Co., Niles, Cal.
Denny-Renton Clay & Coal Co. (For Chemical Works), Seattle, Wash.
Didier-March Co. (For Chemical Works), Perth Amboy, N. J.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Hocking Valley Fire Clay Co., Nelsonville, Ohio
Hood B. Mifflin, Atlanta, Ga.
Knight, Maurice A., Akron, O.
Laclede-Christy Clay Products Co., Ry Exchange bldg, St. Louis, Mo.
Milton Brick Co., Milton, Pa.
Ostrander Fire Brick Co., Troy, N. Y.

## 1402-3-4—Brick (Annealing Furnace)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Thomas Moulding Brick Co., 1203 Chamber of Commerce, Chicago, Ill.

## Brick (Ashlar)

See Architectural Faience

## 1405— Brick (Blast Furnace)

Alberene Stone Co. (Soapstone), 223 E 23d, New York
Ashland Fire Brick Co., Ashland, Ky.
Bickford Fire Brick Co., Curwensville, Pa.
Big Savage Fire Brick Co., Frostburg, Md.
Crescent Refractories Co. (Linings, Clay Refractories), Curwensville, Pa.
*See adv index at end of book*
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Garfield Fire Clay Co., Robinson, Pa.
Golden Fire Brick Co., Denver, Col.
Hall & Sons, Buffalo, N. Y.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Hausfeld Co., Harrison, O.
Haws A. J. & Sons (Ltd.), Johnstown, Pa.
Niles Fire Brick Co., Niles, O.
Pennsylvania Fire-Brick Co., Beech Creek, Pa.
Portsmouth Refractories Co., Portsmouth, O.
Rust Engineering Co., Farmers Bk. bldg, Pittsburgh, Pa.
Standard Fire Brick Co., Pueblo, Col.
**STOWE-FULLER CO.**, Rockefeller bldg, Cleveland, O.
United Fire Brick Co., Uniontown, Pa.
Walsh Fire Clay Products Co., 4070 No Main, St. Louis, Mo.

## 1406—Brick (Boiler Arch & Setting)

American Arch Co. (Locomotive Brick Arches), 30 Church, New York
American Fire Brick Co., Spokane, Wash.
Ashland Fire Brick Co., Ashland, Ky.
Boland John V. Construction Co., Chemical bldg, St. Louis, Mo.
Brighton Fire Brick Co., New Brighton, Pa.
Detrick M. H. Co., 549 W Washington, Chicago, Ill.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Garfield Fire Clay Co., Robinson, Pa.
Golden Fire Brick Co., Denver, Colo.
Hall & Sons, Buffalo, N. Y.
Harbison-Walker Refractories Co. (For all Makes of Boilers), Farmers' Bank bldg, Pittsburgh, Pa.
Kier Fire Brick Co., Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Lamprey Co., 283 Elm, Westfield, Mass.
McLeod & Henry Co. (Fire Brick, "Steel Mixture"), 360 1st, Troy, N. Y.
Maurer Henry & Son, 420 E 23d, New York
Monarch Boiler Arch Co., 220 Oregon, Milwaukee, Wis.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Niles Fire Brick Co., Niles, O.
Presbrey Stove Lining Co., Taunton, Mass.
Rust Engineering Co., Farmers Bk. bldg, Pittsburgh, Pa.
Sayre & Fisher Co., 261 B'way, New York
Steel Tank & Products Corp., 10 W Illinois, Chicago, Ill.
Thomas Moulding Brick Co., 1203 Chamber of Commerce, Chicago, Ill.

## 1407-8-9— Brick (Brick Kiln)

Thomas Moulding Brick Co., 1203 Chamber of Commerce, Chicago, Ill.

## 1410— Brick (Cement)

Botfield Specialties Mfg. Co. (Fire Brick) Swann & Clyrner, Phila., Pa.
Harper Brick Co., Harrison, N. J.
White Marble Lime Co., Manistique, Mich

## 1411-2—Brick (Cement Kiln)

American Fire Brick Co., Spokane, Wash
Ashland Fire Brick Co., Ashland, Ky.
Bickford Fire Brick Co., Curwensville, Pa
Brighton Fire Brick Co., New Brighton, Pa
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Kier Fire Brick Co., Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Maurer Henry & Son, 420 E 23d, New York
Portsmouth Refractories Co., Portsmouth, O.
Thomas Moulding Brick Co., 1203 Chamber of Commerce, Chicago, Ill.
Walsh Fire Clay Products Co., 4070 No Main, St. Louis, Mo.

## 1413— Brick (Chrome)

American Refractories Co., Union Arcade bldg, Pittsburgh, Pa.
Catlin R. H. Co., Wilmington, Del.
Federal Refractories Co., Cleveland, O.
General Refractories Co., 111 B'way, New York
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Haws A. J. & Sons (Ltd.), Johnstown, Pa
Mt. Union Refractories Co., Mt. Union, Pa
**STOWE-FULLER CO.**, Rockefeller bldg, Cleveland, O.

## 1414-5—Brick (Coke Oven)

American Fire Brick Co., Spokane, Wash
American Refractories Co., Union Arcade bldg, Pittsburgh, Pa.
Ashland Fire Brick Co., Ashland, Ky.
Brighton Fire Brick Co., New Brighton, Pa.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Garfield Fire Clay Co., Robinson, Pa.
Harbison-Walker Refractories Co. (Beehive, Long or Belgian Type, etc), Farmers' Bank bldg, Pittsburgh, Pa.
Kier Fire Brick Co., Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Niles Fire Brick Co., Niles, O.
Pennsylvania Fire-Brick Co., Beech Creek, Pa.
Portsmouth Refractories Co., Portsmouth, O.
Standard Refractories Co., Claysburg, Pa.

## 1416-9—Brick (Common)

See also Brick, Enameled; Brick, Fire; Brick, Front; Brick, Vitrified Paving; Blocks, Hollow Building; Conduits; Fireproof Hollow Brick & Tile; Plumbers' Sanitary Earthenware; Roofing Tile, Terra Cotta; Sewer Pipe Manufacturers; Terra Cotta, Architectural; Tile, Art, etc.

### ALABAMA.

BRICKYARD—Bickerstaff Brick Co.
CULLMAN—Schmitt Max
ELBA—Perdue W. B.
GREENVILLE—Terrell W. C.
HOLLYWOOD—Alabama Brick & Tile Co.
HUNTSVILLE—Brandon D. S.
Huntsville Brick Co.
LOVICK—Stephenson L. L.
MONTGOMERY—Excelsior Brick Co.
Jenkins Brick Co.

### ARIZONA.

PHOENIX—Fitzsimmons, Thos. E.
PRESCOTT—Fitzsimmons Thos.
TUCSON—Tucson Pressed Brick Co.

### ARKANSAS.

FORT SMITH—Carbaugh Brick & Tile Works
HOPE—Hope Brick Works
LITTLE ROCK—Arkansas Brick & Mfg. Co.
MARIANNA—Sutton O. C. & Co.
PARAGOULD—Paragould Brick Co.
PINE BLUFF—Pine Bluff Brick Co.
RECTOR—Rector Brick Co.
TEXARKANA—Stevens A. W.
Texarkana Brick Co.

### CALIFORNIA.

BAKERSFIELD——Bakersfield Sandstone Brick Co.
EXETER—S. P. Brick Co.
FORTUNA—Thompson J. & Sons
FRESNO—Craycroft-Herrold Brick Co.
Fresno Brick & Tile Co.
HANFORD—Brown J. F.
IONE—Ione Firebrick Co.
LONG BEACH—Long Beach Brick Co.
LOS ANGELES—Furlow Pressed Brick Co., 3001 San Pedro
K. & K. Brick Co.
Los Angeles Brick Co.
Simons Brick Co.
Standard Brick Co.
MERCED—Merced Lumber Co.
NILES—California Brick Co. (Building)
PASADENA—Furlow Pressed Brick Co. (Sand Lime)
Simons Brock Co.
PORT COSTA—Port Costa Brick Works
REDLANDS—Taylor Bros. Brick Co.
SACRAMENTO — Sacramento Pressed Brick Co. (Sand Lime)
SAN DIEGO—Hieatt F. L. Brick & Tile Co.
Hubbard Robert M.
Union Brick Co.
SAN FRANCISCO—Atlas Paving Brick Co., Hollister av & Gilroy
Bay City Brick Co.
California Brick Co., 110 Jessie
Ione Firebrick Co., Monadnock bldg, San Francisco, Cal.
Patent Brick Co., Merchant Exch bldg
Port Costa Brick Works, 618 Mission
Pure Clay Brick & Tile Co., 103 Main
United Materials Co., 618 Mission
SAN JOSE—San Jose Brick Co.
SANTA ANA—Sackman J. W.
STOCKTON—San Joaquin Brick Co.
Stockton Fire & Enamel Brick Co.

## COLORADO.

CANON CITY—Diamond Fire Brick Co.
COLORADO SPRINGS—Schlesinger Bros.
DENVER—Denver Sewer Pipe & Clay Co.
Denver Shale Brick Co.
Excelsior Brick Co.
Golden Fire Brick Co.
Robinson Brick Co.
LONGMONT—Longmont Brick & Tile Co. ("Lo-Tex")
PUEBLO—Standard Fire Brick Co.

## CONNECTICUT.

BERLIN—American Brick Co.
Connley, J. H.
Donnelly Brick Co.
Merwin C. P. Brick Co.
Murray Richard Brick Co.
EAST WINDSOR HILL—East Windsor Hill Brick Works
HAMDEN—Shares F. I.
HARTFORD—Kane Michael Brick Co.
Mills Eugene D.
MIDDLETOWN—McDonnell Brick Co.
Tuttle Brick Co.
MONTOWESE—Montowese Brick Co.
O'Neil H. C.
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Towers Joseph
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Montowese Brick Co.
Stiles I. L. & Son Brick Co.
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TORRINGTON—Hotchkiss Bros. Co.
WILSON—Baker Fred
Wilson Brick Co.

## DELAWARE.

DELMAR—Salisbury Brick Co.
HOUSTON STATION—Armour C. P. & Co.
WILMINGTON—Allen Alvan Brick Co.
Catlin R. H. Co.
Delaware Terra Cotta Co.
Oberly James B.
Wilmington Brick Co.

## DISTRICT OF COLUMBIA.

WASHINGTON—Virginia Brick Co., Colorado bldg
Washington Brick & Terra Cotta Co., 911 H, N W
West Bros. Brick Co., Nat Savings & Trust bldg

## FLORIDA.

CAMPVILLE—Campville Brick Co.
GREEN COVE SPRINGS—Clay County Steam Brick Works
JACKSONVILLE—Gamble & Stockton Co.
LAKE HELEN—Bond Sandstone Brick Co.
PLANT CITY—Plant City Composite Brick Co. (Sand Lime)

## GEORGIA.

ADAIRSVILLE—Georgia Brick & Tile Co.
ALBANY—Flint River Brick Co.
Tift Silicate Brick & Stone Co. (Sand Lime)
ATLANTA—Chattahoochee Brick Co.
AUGUSTA—Dunbar Brick Co.
Electric City Brick Co.
Georgia-Carolina Brick Co.
Georgia Vitrifield Brick & Clay Co.
McCoy Brick & Tile Co.
McKenzie Brick Co.
Merry Bros.
Rockmart Brick & Slate Co.
Rutherford & Co.
Standard Brick Co.
CALHOUN—Legg Brick Co.
CHATSWORTH—Chatsworth Brick & Tile Co.
COLUMBUS—Berry Geo. O.
Shepherd Bros.
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Pfeffer Mrs. P.
Wheeler G. R.
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MACON—Bibb Brick Co.
Cherokee Brick Co.
Standard Brick Co.
Stevens H. Sons Co.
MILLEDGEVILLE—Milledgeville Brick Works
Oconee Brick & Tile Co.
ROCKY FORD—Ogeechee River Brick Co.
ROME—Rome Brick & Tile Co.
THOMASVILLE—Arnold Adam
TIFTON—Tift Silica Brick Co.
TRIMBLE—Trimble Brick Co.
UNION POINT—Ogeechee Brick Co.

## IDAHO.

BOISE—Sand Lime Brick Co.

## ILLINOIS.

ABINGDON—Abingdon Paving Brick & Tile Co.
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BENSON—Peterson Simon
BLANDINSVILLE—Hainline Bros.
BLOOMINGTON — Bloomington Pressed Brick Co.
CAMBRIDGE—Hull Jno. L.
CAMPUS—Mamer Bros.
CANTON—Heckard M. & Sons
Roller Geo. B.
CAPRON—Munson Bros. Co.
CARBON CLIFF—Argillo Works (See Rock Island)
CARLINVILLE—Moody John & Son
CARTERVILLE—Carterville Brick & Tile Co.
CHAMPAIGN—Sheldon Brick & Building Supply Co.
Stipes Jno. W.
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Calumet Brick Co., 111 W Wash.
Carey Brick Co., 133 W Washington
Chicago Brick Co., 38 S Dearborn
Chicago Hydraulic Press Brick Co. 133 W Washington
Dee Wm. E. Co., 30 N La Salle
Hanreddy Jos. Brick Co., 127 N Dearborn
Illinois Brick Co., 111 W Washington
Kimbell S. S. Brick Co., 133 W Washington
Lake View Brick Co., 2756 Irving Park
Lutter Brick Co., 1503 Wellington av
National Brick Co., 118 N La Salle
Thomas Moulding Brick Co., 1203 Chamber of Commerce
Sexton John M. L., 1459 Michigan av
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Western Brick Co.
DECATUR—Ammann & Co.
Decatur Brick Mfg. Co.
EARLVILLE—Earlville Brick & Tile Mfg. Co.
EAST PEORIA—Carter F. R.
EDWARDSVILLE—Richards Brick Co.
ELDORADO—Eldorado Brick Co.
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Shaw Silas Brick Co.
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MAZON—Condon James
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MOMENCE—Tiffany Enamel Brick Co.
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OLNEY—Olney Paving Brick & Tile Mfg. Co.
ONARGA—Barnes W. S.
OTTAWA—Chicago Retort & Fire Brick Co.
PANA—Biehl Edward
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ZENOBIA—Molohan Dave

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ATTICA—Poston Clarence E.
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BELLMORE—Lee Rus. (Also Tile)
BERNE—Gottschalk Andrew (Tiles)
BIPPUS—Bippus Tile Co.
BLOOMFIELD—Bloomfield Brick Co.
BOONVILLE—Industrial Brick Works
Klostermeier Louis
BRAZIL—Brazil Clay Co.
Chicago Sewer Pipe Co. (see Chicago, Ill.)
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COLFAX—Lee M. J. Drain Tile Co. (Drain Tile Only)
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CONNERSVILLE—Fries A. & Sons
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Poston Paving Brick Co.
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Uhl Pottery Co.
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KNOX—Lewis Wm. A.
KOKOMO—Leach J. M. Mfg. Co.
LAFAYETTE—May Bros.
LAGRANGE—Lagrange Specialty Co.
LAWRENCEBURG—Mitchell Brick Co.
LEBANON—Herdrick B. F.
LYNN—Lynn Tile & Brick Works
MADISON—Madison Brick Co.
MARION—Marion Brick Works
MARTINSVILLE—Adams Brick Co.
Martinsville Brick Co.
MEDARYVILLE—Howe Geo R
MEDORA—Medora Shale Brick Co.
MIAMI—Needham Bros. (Tile Only)
MICHIGAN CITY—Granite Brick Co. (Sand Lime)
North Indiana Brick Co. (Sand Lime)
Ohlemacher Brick Co.
MILLGROVE—Inman Tile Co. (Tile)
MONTEZUMA—Montezuma Brick Works
MOORESVILLE—Bradley Brick Co.
MOUNT VERNON—Brinkman H. (Tile, etc.)
Industrial Brick Co.
NAPPANEE—Mullett Bros. (Tile Only)
NEW ALBANY—Goetz Pressed Brick Co.
Hoosier Brick Co.
NORTH LIBERTY—Heim Cement Products Co. (Tile Only)
NORTH VERNON—North Vernon Lumber Co.
OAKLAND CITY—Read Chas. H.
PONETO—Cook J. W. (Tile)
PORTLAND—North Frazier & Co. (Tile Only)
PREBLE—Werling Albert (Tile Only)
PRINCETON—Watt & Mitchell
RAYS CROSSING—Arbuckle & Son (Tile)
RED KEY—Red Key Tile Brick & Building Block Co. (Also Tile)
RIDGEVILLE—Ridgeville Tile & Brick Co. (Also Tile)
ROACHDALE—Rice James A. & Son
RUSHVILLE—Bainbridge Wm. M.
Dawson M. C. (Tile Only)
RUSSIAVILLE—Cunningham Richard
ST. MEINRAD—St. Meinrad Brick & Tile Co.
SCOTTSBURG—Wyman D. W. & Son
TERRE HAUTE—Bennett Brick Co.
O'Mara Bros. Brick Co.
Terre Haute Pressed Brick Co.
Terre Haute Vitrified Brick Co. (Building & Sewer)
WASHINGTON—Kretz Joseph
WEST LEBANON—Hamar Alex (Tile)
WINDFALL—Windfall Mfg. Co. (Brick Tile)
WOLCOTT—Wolcott Brick & Drain Tile Co.
WOODBURN—Woodburn Tile & Brick Co. (Brick & Tile)

## IOWA.

ALGONA—Algona Brick & Tile Works
AUBURN—Auburn Brick & Tile Co.
BARNES CITY—Wilson & Morrow
BOONE—Boone Brick Tile & Paving Co.
BUFFALO—Davenport Brick & Tile Co.
CEDAR RAPIDS—Stookey D. W.
CENTERVILLE—Centerville Brick Co.
CLAY WORKS—Johnston Bros. Clay Works
COLUMBUS JUNCTION—Long Clifford
CRESCO—Marshall C. A.
CRESTON—Tramp Bros.
DAVENPORT—Benedict John Co.
Black Hawk Brick Co.
Davenport Brick & Tile Co.
Hydraulic Press Brick Co.
DECORAH—Kornmeyer Bros.
DEEP RIVER—Deep River Brick & Tile Co.
DES MOINES—Des Moines Brick & Tile Co.
Flint Brick Co.
Goodwin Tile & Brick Co.
Iowa Pipe & Tile Co.
Maine James & Sons Co.
Shackelford Brick Co.
Star Brick Co.
DE SOTO—De Soto Brick & Tile Works
DUBUQUE—Dietrich & Beutin
Heim John & Son Bros.
DYSART—Dysart Brick & Tile Co.
ELDON—Trott J. A. & Sons
ELDORA—Eldora Pipe & Tile Co.
FAIRFIELD—Raney Bros.
FONDA—Straight L. S.
FORT DODGE—Bradshaw & Co.
Fort Dodge Brick & Tile Co.
Kalo Brick & Tile Co.
GLADBROOK—Gethmann Brick Co.
Gladbrook Pressed Brick & Tile Co.
Stauffer Geo. M.
GRINNELL—Grinnell Clay Products Co.
HARVEY—Harvey Brick & Tile Co.
IOWA CITY—Oakes Bros.
KALO—Kalo Brick & Tile Co.
KELLOGG—Kellogg Brick & Tile Works
KEOKUK—Keokuk Brick & Tile Co.
LEHIGH—Lehigh Clay Products Co.
LYNNVILLE—Newby C. H.
MARSHALLTOWN—Sieg John A.
MASON CITY—American Brick & Tile Co
Mason City Brick & Tile Co.
Mason City Clay Works
Mason City Sewer Pipe Co.
North Iowa Brick & Tile Co.
MEDIAPOLIS—Johnson A. & Sons
MONTICELLO—Dautremont Frank
MUSCATINE—Koetting & Sons
Maeglin Gustave
NEVADA—McHose S. M.
NEWTON—Henning Wm.
NORTH ENGLISH—Smith E. J. & Sons
OTTUMWA—Morey Clay Products Co (Brick & Tile)
Ostdiek H. B.
POSTVILLE—Postville Clay Products Co
REDFIELD—Redfield Brick & Tile Works
ROCKFORD—Rockford Brick & Tile Co
SHEFFIELD—Sheffield Brick & Tile Co.
SIOUX CITY—Sioux City Brick & Tile Co
SOUTH ENGLISH—Good Bros.
TAMA—Tama Brick & Tile Co.
TOLEDO—Toledo Brick & Tile Co.
VAN METER—Platt Pressed & Fire Brick Co.
WASHINGTON—Long C. W.
Shields John & Sons
WEST POINT—Schier B. H.
WHAT CHEER—Nicholson G. G.
WINFIELD—Pierce J. E.

## KANSAS.

BUFFALO—Buffalo Brick Co.
BUFFVILLE—Kansas Buff Brick & Mfg. Co.
BURLINGTON—Batdorf & Co.
CHANUTE—Chanute Brick & Tile Co.
CHERRYVALE—Cherryvale Brick Co.
COFFEYVILLE—Coffeyville Shale Products Co.
Coffeyville Vitrified Brick & Tile Co.
FREDONIA—Excelsior Brick Co.
Fredonia Brick Co.
HUMBOLDT—Humboldt Brick Mfg. Co.
IOLA—Iola Brick Co.
Union Brick Co.
LINDSBORG—Swanson A. J.
MOUND CITY—Mound City Brick & Gas Co.
NEODESHA—Verdigris Valley Vitrified Brick & Tile Co.
PITTSBURGH—Pittsburgh Paving Brick Co.
SALINA—Salina Vitrified Brick Co.
TOPEKA—Capital City Vitrified Brick & Paving Co.
Lumberman's Supply Co.
Topeka Vitrified Brick & Tile Co.

## KENTUCKY.

ASHLAND—Gates J. J.
O'Kelly Brick Co.
BARBOURVILLE—Barbourville Brick & Tile Co.
BOWLING GREEN—Phillips Aaron
CENTRAL CITY—Central City Brick Mfg. Co.
CLINTON—Harpole John A.
COVINGTON—Broering & Meier
Busse Brick Co.
Winston Thos. H.
DANVILLE—Dillehay Brick Co.
FULTON—Bransford, C. H. & Son
GLASGOW—Dickinson Brick & Tile Co.
HALDEMAN—Kentucky Fire Brick Co.
HARTFORD—Bean Bros.
HAZEL—Hazel Brick & Tile Co.
HENDERSON — Kleymeyer-Klute Brick & Tile Works
HOPKINSVILLE—Dalton Bros. Brick Co
LEBANON—Goodin R. G.
LEWISPORT—Greathouse David B.
LEXINGTON—Lexington Brick Co.
LOUISVILLE—Coral Ridge Clay Products Co, Shale bldg
East End Brick Co.
Louisville Brick Co.
Southern Brick & Tile Co.
MACEO—Robinson W. F.
MADISONVILLE—Hall W. L.
Providence Brick Co.
Stewart G. A.
MAYSVILLE—Maysville Brick Co.
Sphar Brick Co.
MORGANFIELD—Alhorn & Waller
MOSELEYVILLE—Clark Mfg. Co.
MURRAY—Slaughter G. W. & A. J.
NEW HAVEN—Nelson Brick & Tile Co.
NEWPORT—Newport Pressed Brick & Stone Co.
NICHOLASVILLE—Schneider A. H.
PADUCAH—Hill & Karnes Brick Co.
Paducah Brick & Tile Co.
STURGIS—Long E. H.
WINCHESTER—Winchester Granite Brick Co. (Sand Lime)

## LOUISIANA.

ABBEVILLE—Godchaux Brick Co., Ltd.
ALEXANDRIA—Adams C. N.
BATON ROUGE—Baton Rouge Brickyard
BREAUX BRIDGE—Breaux Bridge Brick & Milling Co., Ltd.
BUNKIE—Bunkie Brick Works, Ltd.
COLFAX—Lecroix Wm.
COVINGTON—Alexius Bros. Co.
DONALDSONVILLE—Cire Bros.
EVERGREEN—Flournoy David
FRANKLIN—Bodin Eugene
Milholland Geo.
HAMMOND—Hammond Brick Co., Ltd.
Kent Amos Lumber & Brick Co.
HOUMA—Houma Brick Mfg. Co.
KENTWOOD—Kent Amos Lumber & Brick Co.
LAFAYETTE—Roy J. A.
LAKE CHARLES—Buck H. E. Brick Mfg. Co.
Delatte & Lagrange
MANSFIELD—De Soto Brick Co., Ltd.
MARKSVILLE—Neck Bros. Co., Ltd.
MONROE—Monroe Brick & Builders Supply Co.
NATCHITOCHES—Hughes & Aaron
NEW ORLEANS—New Orleans Silicate Brick Co. (Sand Lime)
Salmen Brick & Lumber Co., Ltd., Whitney bldg
PEARL RIVER—Schneider Bros. (Firm Name)
PLAQUEMINE—Plaquemine Brickyard
SHREVEPORT — Oliff-McCormick Brick Co., Ltd.
Shreveport Brick & Tile Co.
SLIDELL—Salmen Brick & Lumber Co., Ltd.
WINNFIELD—Winnfield Brick Co.

## MAINE.

BANGOR—Bangor Brick & Construction Co.
BREWER—Brooks Brick Co.
BRUNSWICK—Hacker C. E.
EAST DOVER—Crockett F. A.

ELIOT—King Joseph
Tandreault Joseph
LEWISTON—Pettingill Geo. S.
MECHANIC FALLS — Mechanic Falls Brick Co.
ORLAND—Gross Fred B. & Son
Hutchins A. W. & A. B.
PENOBSCOT—Leach Ellery F.
Leach Otis
PENOBSCOT—Leach Otis
Hamblet Brick Co.
Lucas William
SACO—Saco Brick Co.
SKOWHEGAN—Purington Horace Co.
WATERVILLE—Purinton H. Co.
WEST FARMINGTON—Galbert Thos.
YORK VILLAGE—York Harbor Brick Co.

## MARYLAND.

BALTIMORE—Baltimore Brick Co., Maryland Trust bldg
Burns & Russell Co., American bldg
Champion Brick Co., 110 E Lexington
Excelsior Brick Co., Benson av, nr Caton
Independent Brick Co., Md. Trust bldg
BERLIN—Berlin Brick Co.
Westport Paving Brick Co., Baltimore, Md.
CUMBERLAND—Queen City Brick & Tile Co
FREDERICK—Frederick Brick Works
Maryland Brick & Supply Co.
FROSTBURG—Savage Mountain Firebrick Co.
Hancock Shale Brick Co., Hagerstown, Md.
HANCOCK—Hancock Shale Brick Co.
NORTH EAST—Green Hill Fire Brick Co.
United Firebrick Co. (Fire Clay Products)
PRINCESS ANNE—Collins Frank
SALISBURY—Salisbury Brick Co.
WILLIAMSPORT — Conococheague Brick & Earthenware Co.

## MASSACHUSETTS.

BELMONT—New England Brick Co.
BOSTON—Boston Brick Co.
New England Brick Co., 18 Post Office Square
Parry Brick Co., 166 Devonshire
Spiers Brick Co., 79 Milk
Winchester Brick Co. (Sand Lime)
BRIDGEWATER—Bassett Josiah G.
Bridgewater Brick Co.
Cook Ernest L.
CAMBRIDGE—New England Brick Co.
CHELSEA—Boston Brick Co.
EASTHAMPTON—Coyle Bartley & Son
FITCHBURG—Fitchburg Brick Co.
GREENFIELD—Dyer C. C.
HOLYOKE—Holyoke Brick Co.
Lynch Bros. Brick Co.
Prew Jno. J.
INDIAN ORCHARD—Bay State Brick Co. (Sand Lime)
IPSWICH—Brown Walter G.
LENOX—Mahanna William
LEOMINSTER—Osborne William L.
LYNN—Blakeley Geo. C. & Son
Graham F. J.
MEDFIELD—Medfield Silica Co. (Sand Lime)
MEDFORD—New England Brick Co.
MONTAGUE CITY—Burnham A. C. & F. G.
NORTHAMPTON—Bailey M. A.
OTTER RIVER—Otter River Brick Co.
SPRINGFIELD—Springfield Brick Co.
SOUTH AMHERST—Atwater & Dow
TAUNTON—Stiles & Hart Brick Co.
WEST BARNSTABLE—West Barnstable Brick Co.
WILLIMANSETT—Phillips E. K.
WORCESTER—Boucher Jos., 180 Plantation

## MICHIGAN.

ALLEGAN—Allegan Brick Co.
ANN ARBOR—Britton Pressed Brick Co.
ASHLEY—Stevenson David & Sons
AZALIA—Meyers Bros.
CALUMET—Lake Superior Stone Brick Co.
CASS CITY—Hall Charles
CLIO—Scholl L. J. & C. E. (Red Face)
DEERFIELD—Atkin Wm. T. Jr.
DETROIT—Ajax Brick Co., Western av & M. C. R. R.
Clippert Geo H. & Bros. Brick Co., 161 Virginia pk
Daniel Jacob Brick Co., 291 Clippert av
Fairview Brick Co., 80 Griswold
Federal Carbonic Co. (Sand Lime)
Flood & Hall, Inc. (Sand Lime)
Lohyo-Harsha Brick Co., Larkin rd, nr Michigan
McDonald J. C. & Son, Hammond bldg
Mercier Bryan-Larkins Brick Co., Lonyo & M. C. R. R.
Michigan Pressed Brick Co., 480 Lawton
Puritan Brick & Tile Co., Farewell bldg
Schneider Bros. Brick Co., 546 Dix av
Walker & Frank Brick Co., Dix & Lonyo rd
Wolf F. H. Brick Co., 1437 Central av
FLINT—Flint Sandstone Brick Co.
GRAND RAPIDS—Battjes Fuel & Building Material Co.
Grand Rapids Brick Co.
*See cdv index at end of book*
Grand Rapids Consol. Brick & Tiling Co.
Grande Brick Co. (Sand Lime)
HANCOCK—Lake Superior Stone Brick Co.
HOLTON—Holton Brick Co.
IONIA—Vander Heyden Fred H.
ITHACA—Peet C. D.
KALAMAZOO—South Michigan Brick Co. (Sand Lime)
LANSING—Clippert Spaulding & Co.
MAYBEE—Linenfelser Brick & Tile Co.
MENOMINEE—Menominee Brick Co. (Sand Brick)
MIDLAND—Midland Tile Wks.
MORENCI—Lee L. V.
MOUNT CLEMENS—Mount Clemens Brick & Tile Co.
OGDEN CENTER—Wilt C. H.
OTTER LAKE—Otter Lake Brick & Tile Co.
OXFORD—Michigan Pressed Brick Co.
PAINES—Day J.
PETOSKEY—De Arment Carl
RIVER JUNCTION — Jackson-Lansing Brick Co. (Sand Lime)
ROCHESTER—Rochester Sand & Brick Co.
SAGINAW—Saginaw Brick Co. (Sand Lime)
Saginaw Paving Brick Co.
ST. CLAIR—Belknap & Phillips
ST. JOHNS—Pulfiey C. F.
SARANAC—Brown Albert
SEBEWAING—Reinbold Ernst
Sebewaing Sandstone Brick Co.
TRAVERSE CITY—Traverse City Brick Co.
Markham J. W.
VULCAN—Vulcan Brick Works
WARREN—Hartsig Jacob
ZEELAND—Zeeland Brick Co.

## MINNESOTA.

AKELY—Moore Bros.
AUSTIN—Minnesota Farmers' Brick & Tile Co.
BLAKELEY—Kahn Sam
CHASKA—Chaska Brick & Tile Co.
Klein C. H. Brick Co.
CROOKSTON—Crookston Brick & Tile Co
DULUTH—Enterprise Brick Co.
FERTILE—Fertile Brick & Tile Co.
HUTCHINSON—Madsen M. C.
JACKSON—Jackson Tile & Brick Co.
MANKATO—Fowler & Pay
Panenberg F. G. & Co.
Stewart W. E.
MINNEAPOLIS—Anderson M. Brick Co.
Jagger Brick Co.
Minneapolis Brick & Supply Co., 1348 Marshall
Minneapolis Paving & Cement Brick Mfg. Co.
Minneapolis Sand Lime Brick Co., 307 Kasota
Wisconsin Red Pressed Brick Co., Lumber Exchange
NEW ULM—Aufderheide Fred.
PENGILLY—Range Sand Lime Brick Co.
PERHAM—Haut Gustave
PRESTON—Passe F. J.
PRINCETON—Morton R. P.
Princeton Brick Co.
ST. PAUL—Chaska Brick & Tile Co., Ryan bldg
Twin City Brick Co., Pioneer bldg
SHAKOPEE—Schroeder Brick & Lime Co.
SPRINGFIELD—Ochs A. C. Brick & Tile Co.
WARREN—Lundgren Edward
WINONA—Biesanz Philip
Voelker & Groff
WRENSHALL—Enterprise Brick Co.
Habhegger Fred.
Wrenshall Brick Co.

## MISSISSIPPI.

BALDWYN—Baldwyn Brick & Tile Co.
BOONEVILLE—Booneville Brick & Tile Co.
BROOKHAVEN — Brookhaven Pressed Brick & Mfg. Co.
CANTON—Smith G. J., Commercial Co.
COLUMBUS—Columbus Brick Co.
GREENWOOD—Success Brick & Tile Co.
HATTIESBURG—Riverside Brick & Mfg. Co.
HOLLY SPRINGS—Holly Springs Stoneware & Fire Brick Co.
JACKSON—Bullard Brick Co.
KANSAS CITY—Bodwell Brick & Tile Co. (Sand Lime)
LOUISVILLE—Earhart J. T. Brick Co.
NEW ALBANY—Reeves Frank
VICKSBURG—Beck Jno. W.
YAZOO CITY—Montgomery Land Co.

## MISSOURI.

BOONVILLE—Boonville Brick Co.
BRAYMER—McCubbin Wm. M.
BRUNSWICK—Brunswick Brick & Tile Co.
CHILLICOTHE—Shale Brick & Tile Co.
FULTON—Fulton Fire Brick Co.
GLASGOW—Burdie Bros.
INDEPENDENCE — Independence Shale Brick Plant
JACKSON—Kasten & Schmuke Pressed Brick Co.
JEFFERSON CITY—Dawson B. C.
KANSAS CITY—Buffalo Brick Co.
Builders Brick & Mfg. Co.
Lyle Rock Co.
LEXINGTON—Lexington Triumph Press Brick Co.
MOBERLY—Moberly Paving Brick Co.
NEVADA—Daly J. A.
PERRYVILLE—Popp John C.
ROCKPORT—West Joseph
ST. CHARLES—St. Charles Brick Co.
ST. JOSEPH—St. Joseph Pressed Brick Co.
ST. LOUIS—Alton Brick Co., Chemical bldg
American Press Brick Co., 6500 Easton av
College Hill Pressed Brick Co.
Continenal Brick Co., Wright bldg
Enterprise Brick Works Co., Kingsbury & Oak Hill, R R. tracks
Excelsior Press Brick Co., 1010 Chestnut
Hydraulic-Press Brick Co.
Ittner Anthony Brick Co., Odd Fellows bldg
Maes Jacob, Hoffmeister av E of Mo. Pac. Tracks
Missouri Press Brick & Improvement Co.
National Pressed Brick Co., 407 N 8th
Progress Press Brick & Machine Co., King's Highway nr Arsenal
Superior Press Brick Co., 3190 S Kingshighway
SHACKELFORD—Krumsiek Henry
WASHINGTON—Stumpe F. W.
WINFIELD — Magruder Benjamin E. (Tile)

## MONTANA.

ANACONDA—Anaconda Copper Mining Co.
MISSOULA—Missoula Brick & Tile Co.

## NEBRASKA.

AUBURN—Horrum W. H.
AURORA—Klose C. & Co.
BEATRICE—Beatrice Brick Wks.
COLUMBUS—Nichols Julius S.
GENEVA—Koehler A. Co.
HASTINGS—Polenske Bros., Schellak & Co.
Western Brick & Supply Co.
HOOPER—Builders' Brick Mfg. Co.
HUMPHREY—Baumgart Fred.
KEARNEY—Hibberd Brick Co.
LINCOLN—Yankee Hill Brick Mfg. Co.
McCOOK—McCook Brick Co.
NELIGH—Brenton T. H.
OMAHA—Gould F. P. & Son, City Natl. Bk. bldg
Hydraulic Press Brick Co.
Omaha Clay Works
Smith Brick Co.

NEBRASKA—continued
ORD—Gruber E. Wm.
ROSELAND—Trausch Bros.
SOUTH OMAHA—Kritenbrink J. H. & Son
STROMSBURG—Stromsburg Brick Co.
YORK—York Brick & Tile Co.

## NEVADA.

RENO—Reno Press Brick Co.

## NEW HAMPSHIRE.

CONCORD—Holt Samuel (Estate of)
DOVER—Gage Elbridge G.
Lucas I. L.
EPPING—Goodrich W. S.
Manchester Real Estate & Mfg. Co.
Proulx Joseph B.
GONIC—Blakely Geo. C. & Son
Boston Brick Co.
Lanoix Alphonse
LEBANON—Densmore Brick Co.
MANCHESTER—Manchester Real Estate & Mfg. Co.

## NEW JERSEY.

ASBURY PARK—Drummond Bros.
ATLANTIC CITY—Somers Brick Co.
Turner John F.
BRIDGETON—Bridgeton Brick Co.
Penbryn Brick Co.
BROWN MILLS—Pittman Chas H.
CAMDEN—Hatch Hugh
Reeve Augustus
CLIFFWOOD—Cliffwood Brick Co.
Lenox Brick Co.
Oschwald Brick Works
DUNELLEN—Rajotte, Albert
EGG HARBOR CITY—Einsiedel Julius
Egg Harbor Brick Mfg. Co.
FARMINGDALE—Lippincott, Edwin
FLEMINGTON—Pedrick Geo. C.
HACKENSACK—Gardner M. B. & L. B.
Hackensack Brick Co.
Mehrhof, Philip
HARRISON—Harper David
HIGHTSTOWN—Reed R. H. & Bro.
KEASBEY—Didier-March Co.
LITTLE FALLS—Singack Brick Co.
LITTLE FERRY—Mehrhof Brick Co.
Treviranus & Gardner
MAPLE SHADE—Reeve Augustus
Sauselein Geo. C.
MATAWAN—Close Wm. A. Trading & Mfg. Co.
New Jersey Co.
MAYS LANDING—Atlantic Brick Mfg. Co.
MILLTOWN—Phila. & Boston Face Brick Co.
MORRISTOWN—Hanover Brick Co.
MOUNT HOLLY—Dubell Furman
MOUNTAINVIEW—Enterprise Brick Co.
NEW BRUNSWICK—New Jersey Clay Products Co.
Pettit & Co.
NEWTON—Losee F. E.
NORTHFIELD—Somers Brick Co.
OLD BRIDGE—Old Bridge Enameled Brick & Tile Co.
RED BANK—Crescent Brick Co.
SAYREVILLE—Furnam Edward
Sayre & Fisher Co. (Hard Building)
SOUTH RIVER—Bisset Brick Co.
Pettit & Cook Co.
South River Brick Co.
TRENTON—Applegate Joseph
Donahoe & Nolan
Sneyd Enameled Brick Co.
WHIPPANY—Hanover Brick Co.
WINSLOW—Hydraulic Press Brick Co. Office, Phila., Pa.

## NEW MEXICO.

ANCHO—Ancho Brick Co.

## NEW YORK.

ALBANY—Hunter Alfred & Son
Smith Edw. J.
ARLINGTON—Flagler & Allen
Pennock Meda H.
ATHENS—Rider Wm. W.
BINGHAMTON—Atlas Coal & Supply Co.
BROCKWAY—Brockway Brick Co.
BUFFALO—Berricks Chas. Sons Co., 1151 Main
Buffalo Sandstone Brick Co.
Ellicott Brick Co., 918 Ellicott sq
Jewettville Brick Co., Builders' Exchange
Lancaster Brick & Tile Co., Builders' Exchange
Lyth A. & Sons Co., 48 W Eagle
Lyth Tile Co., 202 Pearl
Queen City Brick Co., Court & Pearl
Schmidt Geo. W., 180 Linwood av
Schuesler Edw. A. (Estate of), 254 Weiss
CANANDAIGUA—Hollis A. M. & Co. (Tile)
CATSKILL—Golden P. & Son
Washburn G. W. & Son, Brick Yard
CHELSEA—Watrous F.
COEYMANS—Sutton & Suderly Brick Co.
Ziegler & Ziegler
COHOES—Aetna Brick Co.
Cary Brick Co.
CORNING—Brick Terra Cotta & Tile Co.
CRESCENT—Newton A. C.
DUNKIRK—Dunkirk Brick & Tile Co.
DUTCHESS JUNCTION—Aldridge A. E.
Brockway Bros. Co.
Hammond & Freeman
Nicholson Bros.
Ramsdell Homer (Estate of)
EAST KINGSTON—Brigham Bros.
Dinan Thos. (Estate of)
Hendricks Brick Co.
Lynch Bros. & Co.
Staples Brick Co.
Washburn U. F. & J. T.
ELMIRA—Consolidated Brick Co.
FARMINGDALE—Long Island Brick Co.
FISHKILL LANDING—Belisle Joseph
GARDENVILLE—Bender Henry
GLASCO—Alpha Brick & Holding Co.
Empire Brick & Supply Co.
Washburn Bros. Co.
GLEN HEAD—Post Jotham
GRASSY POINT—Brophy Bros.
Morrissey & Co.
Washburn U. F. & Co.
Washburn & Fowler
GREEN BRIDGE—(See New York City Borough of Richmond)
GREENPORT—Sage Brick Mfg. Co.
HAVERSTRAW—Allison B. J. & Co.
Allison & Wood
Archer, George
De Noyelles Brick Co.
Excelsior Brick Co.
Fowler D. Jr. & Co.
Fowler Everett
Garner Brick Works
Lynch Brick Co.
Lynch & O'Brien
Malley Mary
Peck Brick Co.
Renn & Morrison
Shankey Thos. & Son
Snedeker Bros.
Tanney Brick Co.
Washburn U. F. & Co.
Washburn & Fowler
Wood & Allison
HORSEHEADS—Consolidated Brick Co.
HUDSON—Arkison Bros.
Atlas Building Material Co.
JAMESTOWN—Jamestown Shale Paving Brick Co.
JEWETTVILLE—Ellicott Brick Co.
Jewettville Brick Co. (See Buffalo)
KINGSTON—Frederick Brick Co.
Goldrick Philip
Hanrahan Brick & Ice Co.
Hutton Co.
Schlede Christian
Staples Brick Co.
Terry Bros. Co.
LANCASTER—Buffalo Sandstone Brick Co.
Lancaster Brick & Tile Co.
McCutcheon C. H.
MECHANICSVILLE—Cary Brick Co.
Champlain Brick Co.
New England Brick Co.
MIDDLE GRANVILLE—Pepper J. H.
NEWBURGH—Atlas Building Material Co.

## NEW YORK CITY.

### Boroughs of Manhattan and Bronx.

NEW YORK—Chestnut Ridge White Brick Co. (Eight Colors), 7 W 45th
Empire Brick & Supply Co., 103 Park av
Greater New York Brick Co., 103 Park av
Hydraulic Press Brick Co., 381 4th av
Long Island Brick Co., Inc., 280 Madison av
Plummer D. S., 104 W 90th
Richmond Brick Co., 50 Church
Sayre & Fisher Co. (Hard Building), 261 B'way
Willard C. T. Co., 110 E 23d

### Borough of Richmond.

GREEN RIDGE—Dunn & Dolan, Arthur Kill rd

### (End of New York City)

NIAGARA FALLS—Frontier Brick Works
NORTH TONAWANDA — Central Clay Products Co.
OLEAN—Alleghany Valley Brick Co.
Olean Pressed Brick Co.
Sterling Brick Co.
ROCHESTER—Rochester Brick & Tile Mfg. Co.
Rochester Composite Brick Co.
Rochester German Brick & Tile Co.
RONDOUT—(See Kingston)
ROME—Parry & Jones Co.
SCHODACK LANDING—Brousseau, H. P.
SOUTHOLD—Sanford C. L.
SYRACUSE—Merrick Chas. H.
Onondaga Vitrified Brick Co.
Pack Geo. W. & Son
Paragon Plaster Co. (Sand Lime), 300 W. Water
Syracuse Unit Brick Co.
TROY—Cary Brick Co.
Glass Robert & Co.
Painton Brick Co.
Troy Brick Co., Northern tpk
UTICA—Utica Brick Works
Weaver's Geo. F. Sons Co.
VERPLANCK—Mackey M. E.
O'Brien Philip
WATERVLIET—Retallick, H. E.

## NORTH CAROLINA.

ARBA—Jones Geo. W.
ASHEVILLE—Shehan Geo. C.
CHARLOTTE—Riverside Brick Co.
CLARK—Clark Brick & Tile Co.
DURHAM—Cheek & Belvin
Clegg R. H.
ELIZABETH CITY—Elizabeth City Brick Co.
FAYETTEVILLE—Poe E. A. Brick Co.
GASTONIA—Henry T. A.
GREENSBORO—Cunningham Brick Co.
Jennings W. G. & Son
Watson A. W. Brick Co.
GREENVILLE—Dail W. H., Jr.
HAW RIVER—Trolinger & Montgomery
HIGH POINT—High Point Brick Co.
KINGSTON—Carolina Brick Co
SCOTLAND NECK—Madry J. W.
SELMA—Ward N. E.
WALNUT COVE—Hedgecock Brick Co.
WILMINGTON—Moore's Roger Sons Co.
WINSTON SALEM—Hedgecock R. W.

## NORTH DAKOTA.

DENBIGH—Mouse River Brick Co. (Sand Lime)
DICKINSON—Dickinson Fire & Press Brick Co.
GRAND FORKS—Red River Valley Brick Corporation

## OHIO.

ADA—Ada Clay Co. (Tile Only)
Hilty J. H. & Son (Tile Only)
ADDYSTON—Cincinnati Brick Co.
AKRON—Akron Brick & Tile Co. (Shale)
Camp L. W. Co.
Cooper Brick Co.
Crouse Clay Products Co.
Granite Clay Co.
McCausland Bros.
Robinson Clay Product Co.
Windsor Brick Co. (& Tile)
ALGER—Alger Clay Mfg. Co.
ALLIANCE—Alliance Brick Co.
Alliance Clay Product Co.
ANNA—Fleckenstein Geo. J. (Tile Only)
ANTWERP—Harrman & Son (Brick & Tile)
ARCADIA—Stall Bros. (Tile Only)
ARCHBOLD—Archbold Brick & Tile Co.
Bourquin Bros. (Brick & Tile)
ATHENS—Athens Brick Co.
ATLANTA—Atlanta Tile & Brick Co.
ATTICA—Keller G. M. & Son (Brick & Tile)
Milliron Bros. (Tile)
AVERY—Park & Tucker (Tile Only)
BALTIMORE—Neff J. M. (Tile Only)
BASCOM—Miller J. A.
BATAVIA—Clermont Brick Co.
BEAVER—Beaver Tile & Brick Co. (Brick & Tile)
BELLAIRE—Standard Stone & Brick Co.
BELLE CENTER—Royer Chas.
BELLEVUE—Gerhardstein Bros. (Brick & Tile)

BLACKLICK—Columbus Clay Mfg. Co.
BLOOMDALE—Bloomdale Tile & Brick Co. (Brick & Tile)
BLUFFTON—Diller Tile Co.
BRECON—Heidecker Brick Co.
BROADWAY—Thackery J. H. & Son
BROUGHTON—Baughman & Son (Tile)
BRYAN—Bryan Brick Co.
Neff Benj. F. & Sons (Tile)
BUCYRUS—Breisinger Chas. & Son
Witter Jno. (Tile)
BURKETTSVILLE—Jones Aaron (Tile)
BUTLER—Wheatcraft U. & Son
CAMP CHASE—Postle W. S. (Tile)
CANTON—Belden Brick Co.
Big Four Clay Co.
C. & B. Clay Co., Canton, O.
Lincoln Paving Block Co., Canton, O.
Metropolitan Paving Brick Co. (Shale)
Stark Brick Co., Canton, O.
CAREY—Stief Bros. (Brick & Tile)
CARROLLTON—Medal Paving Brick Co. (See Cleveland, O.)
CARROTHERS—Stockdale Tile & Brick Co. (Brick & Tile)
CECIL—Bissell & Erter (Tile)
CELINA—Celina Brick Mfg. Co.
Springer J. S. (Tile)
CHATFIELD—Baumgartner Bros.
CHICKASAW—Chickasaw Tile Co. (Tile)
CHIPPEWA LAKE—Chippewa Shale Brick Co.
CINCINNATI—Anders Geo. E., 1886 Fairmount av, Fairmount
Blair Brick Co., 409 Johnston bldg
Cincinnati Brick Co., Addyston
Cincinnati Clay Products & Supply Co., Johnston bldg
Glass Brick Co., 1st Natl. Bk. bldg
McCammon L. H. Bros., Johnston bldg
Mitchell Brick Co., Lower River rd, Delhi
Shorey D. C. Brick & Supply Co., Union Tr. bldg
Suer Herman & Sons, Marburg av, Hyde Park
Taylor Chas. Sons Co., 710 Burns
Warburg Bernard, Springfield rd, New Burlington
CLEVELAND—American Building Brick Co., 3639 W 56th
Barkwill-Farr Co., Leader News bldg
Camp Conduit Co., 305 Marshall bldg
Cleveland Brick & Clay Co., B of L E bldg
Cuyahoga Brick & Shale Co., Pearl rd
Deckman Duty Brick Co., Swetland bldg
Dover Fire Brick Co., Cuyahoga bldg
Farr Brick Co., Leader-News bldg
Harrison Wm. H., E 49th, opp Guy av
Hydraulic Press Brick Co., 900 Schofield
Knauff & Esterbrook
Medal Paving Brick Co. (Vitrified Sewer), Swetland bldg, Works, Carrollton, O., & Malvern, O.
Murray Brick Co., 10553 Euclid av
Newburgh Brick & Clay Co., Engineers' bldg
Ohio Clay Co., Guardian bldg
Standard Brick Co., Valley Ry
Valley Shale Brick Co. (Sewer)
CLYDE—Clyde Brick & Tile Works
COAL GROVE—Petersburg Fire Brick & Tile Co.
COLD WATER—Birkmeyer, Mescher & Co. (Brick & Tile)
COLUMBUS—Claycraft Mining & Brick Co., Hartford bldg
Columbus Brick & Terra Cotta Co.
Columbus Fire & Face Brick Co., 16 So. 3rd
Franklin Brick & Tile Co., 8 E Long
Ironclay Brick Co.
Kulp Bros. Brick Co.
Schneider Brick Co.
Shawnee Flash Brick Co.
Sugar Grove Brick Co.
COLUMBUS GROVE—Columbus Grove Brick & Tile Co.
CONDIT—Chadwick W. W. (Tile)
CONNEAUT—United Brick Co.
CORWIN—Benecke F. F. & Son (Tile)
COSHOCTON—Coshocton Brick Co.
COVINGTON—Wagner J. G. (Brick & Tile)
CRIDERSVILLE—Beerline J. W. & Sons (Brick & Tile)
CUMBERLAND—Bay John C. & Son
CUYAHOGA FALLS—Keller Brick Co.
DAYTON—Boren John W. & Sons Co., Arcade bldg
Chadwick, W. H.
Crume Brick Co. (Sand Lime)
Hosket Chas F., 662 E Richard
Kempert A. F.
Kempert & Sherer
Telgler Bros.
Timmerman W. A.
DELAWARE—Delaware Clay Mfg. Co.
DELPHOS—Minzing Fred
DERBY—Hall J. L. & Son (Tile)
DESHLER—Rogers M. E. (Tile)
DOVER—Baab Bros.
DUPONT—Etter Bros.
DUVALL—Teegardin J. W. & Co. (Brick & Tile)
EAST LIVERPOOL—East Liverpool Brick Mfg. Co.
EIFORT—Portsmouth Refractories Co.
ELMORE—Gleckler Geo. (Brick & Tile)
ELYRIA—Wallhead Wm. A.
EMPIRE—(See Brick, Fire)
ERLIN—Vogt's Wm. Son (Tile)
FINDLAY—Hancock Brick & Tile Co.
FOREST—Young T. M. (Tile)
FORT JENNINGS—Mericle Aaron (Tile)
FORT LORAMIE—Wagler C. C.
FORT RECOVERY—Fort Recovery Tile Co. (Tile)
FREMONT—Fremont Tile & Brick Co. (Brick & Tile)
Halbeisen F. (Tile)
Potter D. M.
Riverside Fuel & Supply Co.
FULTON—Fulton Brick & Tile Co. (Brick & Tile)
GALENA—Galena Clay Products Co.
GALLIPOLIS—McCormick Geo. H. Son & Co. (Tile)
GERMANTOWN—Crauder Henry (Tile)
GLANDORF—Nartker & Schroeder (Tile)
GLENWOOD—Noble Brick Co.
GOOD HOPE—Rife A. W. & J. Co. (Tile)
GREENFORD—Greenford Tile & Clay Co.
GREENSPRING—Young E. D.
GREENVILLE—Richeson, Nelson & Moore (Drain Tile)
GROVE CITY—Maxson Ira
GROVER HILL—Mowers H. H. & Co. (Tile)
HAMDEN—Puritan Brick Co. (See Detroit, Mich.)
HAMILTON—Hamilton Brick Co.
HANOVER—Hanover Red Pressed Brick Co.
HARPSTER—Conley, Joseph A.
HARRISON—Vincent Wm. C. & Son
HATTON—National Clay Co.
HAVILAND—Haviland Clay Works (Brick & Tile)
HILL GROVE—Daubenmire C. E. (Tile)
HOLGATE—Richholt Bros. (Brick & Tile)
IRONTON—Ashland Fire Brick Co.
Wileman & Helbing
JAMESTOWN—Dodd & Carpenter
JEFFERSON—Loftus Martin
KENTON—Schmidt Wiphart (Brick & Tile)
LACARNE—Ballin August E.
Ballin R. C.
LANCASTER—Cowden Brick & Tile Co.
Henry Robert
LARUE—LaRue Tile Co. (The)
LATTY—Schaefer E. P. (Tile)
LAURELVILLE—McClelland Tile Co.
LEBANON—Lebanon Pressed Brick Co.
LEIPSIC—Terry R. T. (Brick & Tile)
LINDEN HEIGHTS—Mulby Bros.
LOGAN—Hocking Valley Brick Co.
Logan Clay Product Co.
LONDON—Carter & Foster
LOUISVILLE—Keim Brick & Tile Co.
Louisville Brick & Tile Co.
LYKENS—Zellner Harvey
McARTHUR—McArthur Brick Co.
McCLURE—Kaylor John
MALVERN—Malvern Fire Clay Co.
Medal Paving Brick Co. (See Cleveland, O.)
Robinson Clay Product Co.
MAPLETON—Keim Brick Tile Co.
MARIA STEIN—Goecke Jos. (Tile)
MARION—Dix-Mason Brick Co.
Hoyles J. T. (Brick & Tile)
MARK CENTER—Hire Stave & Tile Co.
MARSEILLES—Althouse S. W. & Son (Tile)
MARTIN—Gerkensmyer H.
MARYSVILLE—Williams & McIntyre Co. (Tile)
MASSILLON—Everhard Co.
Massillon Brick Co.
Massillon Stone & Fire Brick Co.
MELVIN—Melvin Tile & Brick Co.
MENDON—Fox L. E. & Son (Tile)
MIDDLEPORT—Middleport Brick Co.
MIDDLETOWN—Smith Wm. & Co.
MILLBURY—Diefenthaler Co. (Brick & Tile)
MILLER CITY—Miller City Tile Co (Tile)
MILLERSBURG—Millersburg Brick & Tile Co.
MILLERSPORT—Brison Bros.
MINERAL CITY—Federal Clay Product Co. (Sewer, Circle, Foundations, etc)
Holden Clay Products Co.
Markley Geo. J.
MINSTER—Steineman Anna M. (Tile)
MOGADORE—Colonial Pressed Brick Co.
MONROEVILLE—Mason H. R. (Tile)
MORRAL—Morral Drain Tile Co. (Tile)
MOUNT ORAB—Watson A. R. (Tile)
MOUNT VERNON—Wolfe Arthur C.
MOUNT VICTORY—Postle D. C. (Tile)
NANKIN—Rockenfelder Julius (Tile)
NAPOLEAN—Mehring John A. (Brick & Tile)
Yarnell & Yarnell (Brick & Tile)
NELSONVILLE—Nelsonville Brick Co.
NEVADA—Kuenzli Bros. (Tile)
NEWARK—Vogelmeier Bros.
NEW COMERSTOWN—Novelty Brick & Coal Co.
NEW LONDON—Biglow E. Co. (Brick & Tile)
Richards Samuel (Tile)
NEW STRAITSVILLE—Straitsville Impervious Brick Co.
NORTH CREEK—Neff Bros. (Tile)
NORTH INDUSTRY—Starkey John
NORTH ROBINSON—McDougal Victor
NORWOOD—Suer H. & Sons, Marburg av, bldg
NORWALK—Norwalk Brick & Stone Co.
OAK HARBOR—Gleckler Fred. (Tile)
Kramb Brick & Tile Co. (Brick & Tile)
OAK HILL—Aetna Fire Brick Co.
Davis Fire Brick Co.
Oak Hill Fire Brick & Coal Co.
Ohio Fire Brick Co.
OBERLIN—Oberlin Brick & Tile Co.
OSNABURG—Stark Brick Co.,
OTTAWA—Ottawa Tile Co. (Tile)
PAINESVILLE—Thompson Chas.
PAINTER CREEK—Swinger Oliver (Tile)
PAULDING—Klingler C. P. (Tile)
PAYNE—Anspaugh J. A. (Tile)
Garmroth Geo.
PERRYSBURG—Moser Wm.
Perrysburg Tile & Brick Co.
PICKERINGTON—Fernstenmaker W. H. & Son (Tile)
PIONEER—Lantz Fred. (Tile)
PLEASANT HILL—Deeter Isaac
PLEASANTVILLE—Miller N. H.
PORTSMOUTH—Heinisch Geo. H.
Portsmouth Refractories Co.
PORT WASHINGTON—Belden Brick Co.
RICHWOOD—Richwood Clay Co.
RIPLEY—Ripley Brick Co.
RITTMAN—Rittman Tile & Clay Products Co. (Tile, etc)
RIVER STYX—Ream A. B. (Tile)
ROCKFORD—King W. H. & Co.
ROYALTON—Allen & Hinckle (Brick & Tile)
SABINA—Darbyshire A. J.
SALINEVILLE—Ohio Clay Products Co.
SANDUSKY—Hinde Brick & Tile Co.
SHERWOOD—Schliesser William & Arnold
SHILOH—Prame F. J.
SIDNEY—Bennett H. E. & Co.
SOMERSET—Belden Brick Co.
SPARTA—Easterday Bros. (Bricks & Tile)
SPENCERVILLE—Schaffer G. W. (Tile)
Spencerville Tile Co. (Tile)
SPRINGFIELD—Grube, Adam & Son
STEUBENVILLE—Nicholson Brick Co.
STONE CREEK—Mumaw David G. (Tile)
SUGAR CREEK—Finzer Bros. Clay Co. (Tile)
Shepfer & Moomaw Bros.
SYCAMORE—Althouse Bros. (Tile)
TIFFIN—Heilman Bros.
Tiffin Brick Co.
TOLEDO—Collingwood Brick Co., Spitzer bldg.
Enamel-Vitrified Brick Co., 1348 Nicholas bldg
Hydraulic-Press Brick Co.
Kohler Brick Co., St. Clair bldg.
Macomber Bros. Co.
Ohio Brick Co.
TORONTO—Toronto Fire Clay Co.
TRIMBLE—Trimble Paving Brick Co. (Building, Sewer, Sidewalk)
TROY—Troy Tile & Brick Co.
UHRICHSVILLE—Belden Brick Co.
Uhrichsville Clay Co.
UNION FURNACE—Columbus Brick & Terra Cotta Co.
UPPER SANDUSKY—Blaser E. G. (Tile)

OHIO—continued
WADSWORTH—Wadsworth Brick & Tile Co.
WARREN—Warren Brick & Tile Co.
WAYNESBURG—Whitacre-Greer Fireproofing Co.
WAYNESFIELD—Drain Tile Co.
WEST UNITY—Denman W. M. (Tile)
WEST MANCHESTER—Nelson Myers Co. (Tile)
WICKLIFFE—Kline John Brick Co. (Building & Sewer, Capacity 5,000,000)
WOOSTER—Wooster Shale Brick Co.
ZANESVILLE—Harris Brick Co.

## OKLAHOMA.

ARDMORE—Ardmore Brick & Tile Co.
BARTLESVILLE—Bartlesville Vitrified Brick Co.
BLACKWELL—Blackwell Brick Co.
BOYNTON—Francis Vitric Brick Co.
CLAREMORE—Howard Brick Co.
McALESTER—Choctaw Pressed Brick Co.
MANGUM—Mangum Pressed Brick Co.
MUSKOGEE—Muskogee Vitrified Brick Co.
OKLAHOMA—American Brick & Tile Co.
SAPULPA—Sapulpa Brick Co.
Sapulpa Pressed Brick Co.
SAPULPA—Sapulpa Pressed Brick Co.
TULSA—Tulsa Brick Co.

## OREGON.

AURORA—Jost Jacob F.
BARLOW—Yost Jacob F.
PORTLAND—Columbia Brick Works, 277 Hawthorne
Standard Brick & Tile Co., 81 4th
Versteg Brick Co., 1027 Tillanook

## PENNSYLVANIA.

ALLENTOWN—Frederick Brothers
Mattern E. G.
Swoyer Bros. Brick Co.
ALTOONA—Altoona Brick Co.
AUBURN—Auburn Shale Brick Co.
BEAVER FALLS—Douglas-Whisler Brick Co.
BELLEFONTE—Bellefonte Brick Co.
BLOOMSBURG—Bloomsburg Brick Co.
BOSTON—Harper C. M. C.
BRADDOCK—Keller & Milliken
BRADFORD—Alumina Shale Brick Co.
Bradford Pressed Brick Co.
Kittanning Clay Products Co.
Pearl Clay Products Co.
Tuna Valley Pressed Brick Co.
BRIDGEVILLE—Mayer C. P. Brick Co.
BROOKVILLE—Humphrey Brick & Tile Co.
CARLISLE—Carlisle Brick Co.
CARNEGIE—Fort Pitt Stone & Brick Co
CHESTER—Carr & McClaskey
Law Martha
CLEARFIELD—Clearfield Brick Mfg. Co.
Clearfield Clay Working Co.
Paterson Clay Products Co.
CLYMER—Clymer Brick & Fire Clay Co.
COPLAY—Rader Edward B.
CORRY—Corry Brick & Tile Co.
DARLINGTON—Darlington Brick & Mining Co.
DUBOIS—Dubois Clay Mfg. Co.
DUNBAR—Foltz D. C.
EASTON—Messer John B (Estate of)
Zehnder Brick Co.
EAST DOWNINGTOWN—Florey's Brick Wks.
EAST STROUDSBURG—Zacharias Jos. H
EMPORIUM—Clay Products Co.
EMAUS—Binder Bros.
ERIE—Dudenhoeffer Co.
Dunn Brick Works
FALLSTON—Pennsylvania Clay Co.
Standard Fire Clay Co.
GREENSBURG—Keystone Clay Products Co.
GROVE CITY—Filer W. H.
HAMBURG—Tobias & Sheridan
HARRISBURG—Bigler S. L. (Est of)
Manchester Shale Brick Co.
HOLLIDAYSBURG—Portage Brick Co.
HOMESTEAD—Homestead Brick Co.
HOWARD—Howard Brick Co.
JOHNSONBURG—Yingling-Martin Brick Co.
JOHNSTOWN—Johnstown Clay Products Co.
KANE—Kane Brick Co.
KITTANNING—Daugherty Bros. Brick Co.
Kittanning Brick & Fire Clay Co.
Kittanning Clay Mfg. Co.
KUSHEQUA—Kushequa Brick Co.
LANCASTER—Bomberger Brick Works
Pontz Adam
Pontz Jacob
Wise C. & Bro.
LANSDALE—Scholl Bros.
LANSDOWNE—Sullivan Jno.
LATROBE—Latrobe Brick Co.
LAYTON—Kier Fire Brick Co.
LEBANON—Mt. Gretna Brownstone Co. (Sand Lime)
Peerless Brick Co.
LEHIGHTON—Graver H. A.
LEWIS RUN—Alumina Shale Brick Co.
Bradford Pressed Brick Co. (See Bradford, Pa.)
LOCK HAVEN—Lock Haven Fire Brick Co.
McKEESPORT—Layton Fire Clay Co. (Sidewalk)
Tempest Brick Co., (Ltd.)
MILTON—Fries W. E.
Milton Brick Co.
MONESSEN—Monessen Brick Works
MONONGAHELA—Monongahela Clay Mfg. Co.
Monongahela Stone Clay & Brick Co.
MORTON—Ackerman Henry I.
MOUNT UNION—Mount Union Refractories Co.
MOUNTVILLE—Mountville Brick Co.
NEW BETHLEHEM—Canton Tile Hollow Brick Co.
NEW BRIGHTON—Fallston Fire Clay Co.
Ingram & Co.
NEW CUMBERLAND—Flurie E. E.
Landis Brick Co.
New Cumberland Brick Co.
NEW OXFORD—Alwine Bros. Brick Co.
Carbaugh Wm. H.
Staub James A.
NORRISTOWN—Norristown Brick Co.
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
PATTON—Patton Clay Mfg. Co.
PENNSBURG—Reed Charles M.
Shankel Emanuel K.
PHILADELPHIA—Atlantic Brick Mfg. Co., 1218 Chestnut
Byrne Jos. T., 29th & Clearfield
Carroll H. C. & Sons, 67th & Gibson
Conway William, 5800 Walnut
Dougherty Edw., 5th & Wyoming av
Earley John H., Nicetown
Equitable Brick Mfg. Co., Perry bldg
Essig & Myers, N 2d n Butler
Frankford Brick Works, Torsdle av
Gaynor Michael, 30th & Morris
Goodwin John A., 27th & Tioga
Hamburg Vitrified Brick Co., 20th & Sedgley
Hatten Owen, Fisher's la & 9th
Jarden Brick Co., Land Title bldg
Kelly Christopher, Fisher's av & Clinton, Olney
Keystone Brick Co., Godfrey E., 2d, St. Park
Leuton Brick Co., 25th & Passy'k av
Mack Mfg. Co. (Building & Foundation), Lincoln bldg
North Phila. Brick Works, Rising Sun & Luzerne
Phila. Brick Co., 23rd c Passayunk av
Pine Grove Vitrified Brick Co., 20th & Sedgley
Scott Brick Process Co, N American bldg
Seitter's F. Sons, Nicetown & G
Siner H. M. & C. B., Nicetown la & K
Webster & Keyser, 30th & Tasker bldg
Martin Brick Co., Empire bldg
Wible R. B. & Son, 3404 Old Yard rd
PHILIPSBURG—Williams Grove Brick Co.
PITTSBURGH—Blair D. & Bros., Stanton & Black
Booth & Flinn (Ltd), 1942 Forbes
Entress Brick Co., Bedford av & Duff Hill
Fallston Fire Clay Co., Oliver bldg
Gloninger & Co., Arrott bldg
Iron City Brick & Stone Co., Stanton & McCandless avs
Kittanning Brick & Fire Clay Co., Empire bldg
Lambert R. R. Co., Taggart & Crispen
McFeely Brick Co., 1st Nat'l Bank bldg.
Martin Brick Co., Empire bldg
Montour Brick Co., Imperial
Pennsylvania Clay Co., 421 Wood
Pittsburgh-Callery Brick Co., Wabash bldg
Pittsburgh Clay Product Co., Keenan bldg
Sankey Bros., 2112 Carson
Squirrel Hill Brick Co., Haldane & Connor
Vanport Brick Co., Farmers Bank bldg
Ward J. H. & Sons Co., Park & Nelson
Westmoreland Brick Co., 2nd Nat'l Bank bldg
Wilson Brick & Tile Co., Keenan bldg
Yingling Martin Brick Co.
PORTERS SIDELING—Brillhart Jacob S. & Sons
POTTSTOWN—Davidheiser F. B.
Garber Joseph S.
Roth Adam E.
PUNXSUTAWNEY—Punxsutawney Brick Co.
QUAKERTOWN—Henckeroth John
READING—Glen-Gery Shale Brick Co.
Kline D Milton
Reading Shale Brick Co.
REYNOLDSVILLE—Evans Thomas E.
Reynoldsville Brick & Tile Co.
ROYERSFORD—Thompson & Wills
ST. MARY'S—Elk Fire Brick Co.
SCHUYLKILL HAVEN—Schuylkill Pressed Brick Co.
SCRANTON—American Brick Co.
Federal Granite Brick Co.
Laurie James
Stipp Mathias
Stipp Peter & Sons
SHARPSBURG—Allegheny Brick Co., (Ltd.) (See Pittsburgh, Pa.)
SHIPPINSBURG—Bross & Shearer
SOUTH BETHLEHEM—Bingen Brick Co. (Ltd.)
Groman Bros. (Ltd)
SPEECEVILLE—Speeceville Brick Mfg. Co.
STEELTON—Steelton & Harrisburg Brick Co.
STOWE—Davidheiser F. B.
UNIONTOWN—Snider Edw.
Uniontown Brick Co.
United Fire Brick Co.
Williams J. V.
VANPORT—Gloninger & Co.
Vanport Brick Co.
WALTONVILLE—Hummelstown Brownstone Co. (Sand Lime)
WARREN—Highhouse's E. Sons
WASHINGTON—Donley Brick Co.
Washington Brick Co.
WATSONTOWN—Ferro Brick Co.
WAYNESBURG—Waynesburg Brick & Stone Co.
WILKESBARRE—Dickover Geo. T. & Son
Wyoming Valley Brick Co.
YORK—Grotbe William H.
Kissinger's Benjamin Sons
Miller Chas. E. Brick Mfg. Co.
Spring Garden Brick Co., (Ltd.)
York Shale Press Brick Co.

## RHODE ISLAND.

PROVIDENCE—Barrington Steam Brick Co., 10 Weybosset
Providence Brick Co. (Sand Lime)

## SOUTH CAROLINA.

BLUE BRICK—Pee Dee Brick & Tile Co.
CHERAW—Cheraw Brick Works
DARLINGTON—Darlington Brick & Tile Co.
DYSON—Dyson Brick Co.
GREENWOOD—Mays Brick Co.
NORTH AUGUSTA—Hankinson Brick Co
SUMMERVILLE—Summerville Brick Co.

## SOUTH DAKOTA.

BIG STONE CITY—Gold Bros. Brick Co.
SIOUX FALLS—Sioux Falls Pressed Brick Co
WATERTOWN—Watertown Brick Co. (Sand Lime)

## TENNESSEE.

CHATTANOOGA—Chattanooga River Brick Co.
Howard Park Brick Co.
Key Jas. Brick Co.
Wells J. W. Brick Co.
CLARKSVILLE—Settle W. A.
COLUMBIA—Simpson Thos.
DYERSBURG—Nichols J. M.
Tennessee Brick & Tile Co.
JACKSON—Jackson Brick Co.
Long J. B.
Southern Tile & Brick Works
KNOXVILLE—Davis W. M. & Son
Knoxville Brick Co.
Lonsdale Brick & Pottery Co.
McKENZIE—Costen, Moore & Co.

MARYVILLE — Jackson-Eagleton Brick Co.
MEMPHIS—Lyon C. B. & Son
Missio R. L. Brick & Supply Co.
South Memphis Brick Co.
NASHVILLE—Bush Building Co.
Fulcher Brick Co.
Lesueur W. D. & C. H.
Lewis E. T. Co.
PURYEAR—Dixie Brick & Tile Co.
ROBBINS—Southern Clay Mfg. Co.
UNION CITY—Bransford T. L. & Sons

### TEXAS.

AUSTIN—Elgin Butler Brick & Tile Co.
BROWNSVILLE—Gulf Coast Brick & Tile Co.
CALAVERAS—Mackey Brick & Tile Mfg. Co
COMANCHE—White Brick Co. (Sand Lime)
CORSICANA—Corsicana Brick Co.
DALLAS—Atlas Press Brick Works
Brown Brick Co.
Fraser Brick Co.
ELGIN—Elgin Butler Brick & Tile Co.
EL PASO—Atlas Brick Co.
El Paso Brick Co.
FERRIS—Diamond Press Brick Co.
Ferris Pressed Brick Co.
Globe Pressed Brick Co.
Lone Star Pressed Brick Co.
Texas Press Brick Co.
FORT WORTH—Cobb Brick Co.
GAINESVILLE—Gainesville Brick Co.
GONZALES—Sunset Brick & Tile Co.
HOUSTON—Vandaveer Jennings Co.
LAREDO—Johnson S. N.
MARLIN—Branson Brick Co.
MARSHALL—Higgins James
PALMER—Palmer Press Brick Works
SAN ANTONIO—Mackey Brick & Tile Mfg. Co.
San Antonio Sand Lime Brick Co.
Williams C. E. Brick Co.
STAMFORD—Bushel, R.
SULPHUR SPRINGS—Crush Brick & Tile Co.
TEXARKANA—Stevens A. W.
Texarkana Brick Co
WICHITA FALLS—Wichita Falls Brick & Tile Co.

### UTAH.

OGDEN—Ogden Pressed Brick & Tile Co.
PROVO—Provo Pressed Brick Co.
SALT LAKE CITY—Improved Brick Co.
Kaysville Brick Co.
Salt Lake Pressed Brick Co.
Utah Fire Clay Co.
SMITHFIELD—Smithfield Brick & Tile Co.

### VERMONT.

ESSEX JUNCTION—Drury Brick & Tile Co.

### VIRGINIA.

ARLINGTON—Virginia Brick Co.
Walker W. T. Brick Co.
West Bros. Brick Co.
BUENA VISTA—Allegheny Slag Products Co. (Sand Lime)
Dickinson Fire Brick Co.
CHARLOTTESVILLE—Updike Eston
COVINGTON—Allegheny Brick Co.
Covington Brick Co.
DANVILLE—Watson Fitzgerald Co.
DRAKES BRANCH—Payne, R. W.
GLASGOW—Glasgow Clay Products Co.
HAMPTON—Richardson R. V.
LYNCHBURG—Adams Bros. Paynes Co.
Lynchburg Brick Co.
MANCHESTER—Redford Brick Works
NORFOLK—Eureka Brick Co.
Face E. W. & Son
Nansemond River Brick & Tile Co.
PETERSBURG—Turner W. R.
RICHLANDS—Richlands Brick Co.
RICHMOND—Burroughs & Mankin
Davis W. Benjamin Brick Co.
Fulton Brick Works
Powhatan Clay Mfg. Co.
South Side Brick Co.
ROANOKE — Adams, Payne & Gleaves. (Annual Capacity, 37,000,000)
SALEM—Salem Brick Co.
SUFFOLK—Suffolk Clay Co.
Virginia Brick Co.
TIP-TOP—Tip-Top Brick Co.
WEEMS—Buck Levin T. & Co.

### WASHINGTON.

BELLINGHAM—Headrick F. E.
Miller J. F. & Brother
CHELAN—Dunham H. E.
Mathers D. C.
CLE ELUM—Hutter Frank
COLFAX—Easum Bros.
EVERETT—Everett Brick Co.
FREEMAN—Schieche Frank
GRANGER—Granger Brick & Tile Co.
HARPER—Harper-Hill Brick Co.
LEAVENWORTH—Gutherless J. E.
MEAD—Davie J. T. Brick Co.
SEATTLE—Abrahamson Brick Co.
Builders' Brick Co.
Denny-Renton Clay & Coal Co.
Harper-Hill Brick Co.
Lake Union Brick Co.
Lohse Brick Co.
Peerless Brick Co.
Seattle Brick & Tile Co.
SPOKANE—Davie J. T. Brick Co.
Dishman A. T.
National Brick Co. (Sand Lime)
Pioneer Brick Co
Spokane Pressed Brick Co.
Washington Brick, Lime & Sewer Pipe Co.
TACOMA—Goss F. H. Brick Co.
VANCOUVER—Carson Bros.
WALLA WALLA—Walla Walla Brick & Tile Co.
WENATCHEE—Standard Brick Co.
Wenatchee Brick & Tile Co.
WEST TACOMA—West Tacoma Pressed Brick Co.

### WEST VIRGINIA.

CHARLESTON—Kanawha Brick Co.
Standard Brick Co
CLARKSBURG—Glen View Brick Co.
COLFAX—Colfax Brick Co.
ELKINS—Elkins Brick Co.
HUNTINGTON—West Virginia Paving & Pressed Brick Co.
HURRICANE—McCallister Wm. H.
MORGANTOWN—Morgantown Brick Co.
NEW CUMBERLAND—Acme Fire Clay Works
Claymont Brick Works
Mack Mfg. Co. (Building & Foundation)
PHILIPPI—Holt Samuel T. H.
PIEDMONT—Potomac Fire Brick Co.
WESTON—Keener Geo. I.
Weston Brick Works

### WISCONSIN.

ARCADIA—Pahl August
ATHENS—Athens Brick & Tile Co.
AUGUSTA—Johnson W. E.
BARRON—Barron Red Pressed Brick Co.
BARRONETT—Larson Peter
Peterson Martin
BERLIN—Morris Chas. S.
BRILLION—Brillion Brick & Tile Co.
BRISTOL—Willett & Brown (Tile)
BURLINGTON—Burlington Brick & Tile Co.
CHILTON—Ricker L. H.
DE PERE—Hocker Bros.
Roffers John
Van Laanen Arnold
EDGAR—Hill Thomas
ELKHORN—Sprague E. H.
GRAND RAPIDS—Grand Rapids Brick Co
Lessig John & Son
GREEN BAY—Green Bay Brick Co.
HIKA—Witte Gustav Jr.
JANESVILLE—Janesville Brick Works
JEFFERSON—Jefferson Brick & Tile Mfg. Co.
Kemmeter Gottlieb
KENOSHA—Craney & Spaulding
LA CROSSE—Schnell & Son
LADYSMITH—Ladysmith Brick & Tile Co.
MADISON—B. & M. Brick Co.
Stephens David (Est. of)
Wisconsin Brick Co.
MANITOWOC—Bertler's S. Sons Co.
Manitowoc Clay Products Co.
Woerfel Adolph
MENOMONIE—Excelsior Brick Co.
Hydraulic Press Brick Co.
Wisconsin Red Pressed Brick Co.
MILWAUKEE—Acme Brick Co. (Sand Lime)
Burnham Bros. Brick Co., 68 Wisconsin
Davelaar M. Son & Co., 153 Pryor av
Standard Brick Co., 496 Clement av
NEILLSVILLE—Schoengarth Aug.
NEW LONDON—Zerrenner Bros.
PORTAGE—Sanborn Brick & Ice Co.
PORT WASHINGTON—Gunther Bros.
RACINE—Haumerson F. H. & Sons
Hilker H. A.
SCHLEISINGERVILLE—Baehring H.
SHAWANO—Larson Thomas
SHEBOYGAN—Zimbal O. Brick Co.
STEVENS POINT—Langenberg Wm. E.
Stevens Point Brick Mfg. & Cons. Co.
UNION GROVE—Nisen Michael & Sons
WATERTOWN—Cordes L. H. & Co.
WAUPACA—Gminer C.
WAUSAU—Ringle Brick Co.
WAUWATOSA—Burnham Bros. Brick Co.

### WYOMING.

CHEYENNE—Cheyenne Brick Co.
WHEATLAND—Goodrich Charles W.

## 1420— Brick (Cork)

Armstrong Cork Co., 24th & A V R R, Pittsburgh, Pa.
Armstrong Cork & Insulation Co. (For Stables, Shipping, Platforms, Machine Shops, etc.), 24th & A. V. R. R., Pittsburgh, Pa.
United Cork Companies ("Star"), 50 Church, New York

## Brick (Cupola)

See Cupola Linings & Blocks

## 1421— Brick Dry Pressed

California Brick Co., Niles, Cal.
Industrial Supply Co., Keokuk, Iowa
Livermore Fire Brick Works, Niles, Cal.

## 1421a—Brick Dust (Fire Cement)

Livermore Fire Brick Works, Niles, Cal.

## Brick (Dutch Clinker)

See Brick, Dutch Oven

## 1422— Brick (Dutch Oven)

Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1423-4— Brick (Enameled)

American Enameled Brick & Tile Co., 52 Vanderbilt av, New York
Central Nat Bank bldg, St. Louis, Mo.
Claycraft Mining & Brick Co., Hartman bldg, Columbus, O.
Hydraulic-Press Brick Co. ("Hy-namel"), Central National Bank bldg, St. Louis, Mo.
Livermore Fire Brick Works, Niles, Cal.
Los Angeles Pressed Brick Co., Los Angeles, Cal.
Martin Brick Co., Empire bldg, Pittsburgh, Pa.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Sayre & Fisher Co. (Also Ornamental), 261 B'way, New York
Sneyd Enameled Brick Co., Trenton, N. J.
Tiffany Enamel Brick Co., Momence, Ill.

## Brick (Face)

See Brick (Front)

## 1425— Brick (Fire)

### ALABAMA.

BESSEMER—Bessemer Fire Brick Co.
Bessemer Fire Brick Co., Birmingham, Ala.

### CALIFORNIA.

LIVERMORE—Livermore Fire Brick Co.
LOS ANGELES—Los Angeles Pressed Brick Co.
St. Louis Fire Brick & Clay Co.
NILES—Livermore Fire Brick Works
SAN FRANCISCO—Clark N. & Sons, 116 Natoma
Funsten Clay Products Co., 55 New Montgomery
Gladding, McBean & Co., Crocker bldg
Ione Firebrick Co., Monadnock bldg
Mushet W. E. Co. (Jobbers), 502 Mission
Pratt Building Material Co., Hearst bldg

CALIFORNIA—San Francisco—continued
Stockton Fire & Enamel Brick Co., Rialto bldg
United Materials Co., 618 Mission

COLORADO.

CANON CITY—Diamond Fire Brick Co.
DENVER—Denver Fire Clay Co.
Denver Pressed Brick Co.
Denver Sewer Pipe & Clay Co.
PUEBLO—Standard Fire Brick Co.

CONNECTICUT.

NEW HAVEN—Howard Co.
Stow Silas J. ("Stows" Patent)

DELAWARE.

NEWPORT—Kiamensi Clay Co.
WILMINGTON—Catlin R. H. Co. (Jobbers, all Grades)
Delaware Terra Cotta Co., 819 Shipley
Kiamensi Clay Co.

GEORGIA.

MACON—Stevens H. Sons Co.
MILLEDGEVILLE—Oconee Brick & Tile Co.
TIFFON—Tift Silica Brick Co.

IDAHO.

TROY—Idaho Fire Brick Co.

ILLINOIS.

CARBON CLIFF—Argillo Works
CHICAGO—Chicago Fire Brick Co., 133 W Washington
*See adv index at end of book*

**CHICAGO FIRE BRICK CO.**
(Manufacturers)
133 W. WASHINGTON ST.
CHICAGO, ILL.

Chicago Retort & Fire Brick Co. ("Ajax"), 208 So La Salle
Chicago Sewer Pipe Co., 133 W Washington
Dee Wm. E. Co., 30 N La Salle
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Jackson Fire Brick Co., 20 W Jackson Blvd, Chicago, Ill.
Jointless Fire Brick Co., 30 N. La Salle
National Fireproofing Co., 327 S La Salle
New Florence Fire Brick Co., 133 W. Washington
Southern Fire Brick & Clay Co., 133 W Washington
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.
OTTAWA—Chicago Retort & Fire Brick Co.
UTICA—Utica Fire Brick & Clay Co.

INDIANA.

BRAZIL—McNutt & McConnell Co.
FORT WAYNE—Moellering's Wm. Sons.
HILLSDALE—Lanyon D. N.
LOOGOOTEE—Loogootee Fire Clay Prods. Co.
MONTEZUMA—Burns & Hancock Fire Brick & Clay Co.

IOWA.

MASON CITY—Mason City Clay Works
VAN METER—Platt Pressed & Fire Brick Co.

KENTUCKY.

ASHLAND—**ASHLAND FIRE BRICK CO.**
HIGHLAND PARK—Louisville Fire Brick Works
LOUISVILLE—Bannon P. Pipe Co.
Louisville Fire Brick Works
OLIVE HILL—General Refractories Co.

MAINE.

PORTLAND—Winslow & Co.

MARYLAND.

BALTIMORE—Baltimore Retort & Fire Brick Co., cor Hull & Nicholson
FROSTBURG—Big Savage Fire Brick Co.
Savage Mountain Fire Brick Co.
MOUNT SAVAGE—Union Mining Co. of Alleghany County
NORTH EAST—Green Hill Fire Brick Co.
North East Fire Brick Co.
United Fire Brick Co.
SALISBURY—Salisbury Brick Co.

MASSACHUSETTS.

BOSTON—Eastern Clay Goods Co., 141 Milk
Fiske & Co., 25 Arch
DIGHTON—Dighton Stove Lining Co.
TAUNTON—Presbrey Stove Lining Co.
Union Stove Lining Co.
Williams Stove Lining Co.

MICHIGAN.

DETROIT—Bellevue Furnace Co. (Special) 703 Bellevue av
Holcroft & Co., Book bldg
Holmes F. B. & Co., 3rd & York
Humphreys E. C. Co., 624 Penobscob
Little Chas. H. Co., Dock River Rouge
Woodison E. J. Co., 1621 St. Aubin
IONIA—Ionia Pottery Co.

MINNESOTA.

NEW ULM—Aufderheide Fred

MISSOURI.

FULTON—Fulton Fire Brick Co.
KANSAS CITY—Dickey W. S. Clay Mfg. Co., N. Y. Life bldg
Hydraulic Press Brick Co., Rialto bldg, Kansas City, Mo.
MEXICO—Green A. P. Fire Brick Co.
ST. LOUIS—Evens & Howard Fire Brick Co, 920 Market
Hydraulic Press Brick Co. ("Hytex"), Central Nat Bank bldg
Laclede-Christy Clay Products Co., Railway Exchange bldg
Mississippi Glass Co., 4070 N Main
Missouri Fire Brick Co., Security bldg
Mitchell Clay Mfg. Co., 5627 Manchester av
Parker-Russell Mining & Mfg. Co., Laclede Gas Light bldg
St. Louis Vitrified & Fire Brick Co., Wainwright bldg
Walsh Fire Clay Products Co., 4070 No Main

NEBRASKA.

BEATRICE—Beatrice Brick Works

NEW JERSEY.

CAMDEN—Reeves Augustus
JERSEY CITY—Gautier J. H. & Co., 1 Greene
MAURER—Maurer Henry & Son (All Kinds for Steel, Iron, Copper & Glass Works, Blast Furnaces, Rolling Mills, etc)
NEWARK—Sayre Jas. R. Jr. & Co., River
PERTH AMBOY — Didier - March Co. ("Didier" All Kinds, For Steel, Iron, Copper, Glass Blast Furnace, Rolling Mills, Gas Plants, Power Plants, etc).
Ostrander Fire Brick Co.
SAYREVILLE—Sayre & Fisher Co. (see New York City)
SOUTH AMBOY—South Amboy Terra Cotta Co.
TRENTON—Chambers A. Reeder
Sneyd Enameled Brick Co.
Trenton Fire Clay & Porcelain Co.
WOODBRIDGE—Berry James E.
Mutton Hollow Fire Brick Co.
Valentine M. D. & Bro. Co.

NEW MEXICO.

ANCHO—Ancho Brick Co.

NEW YORK.

BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Hall & Sons

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brooklyn Fire Brick Works, 88 Van Dyke
Greenpoint Fire Brick Co., 111 Clay

Boroughs of Manhattan and Bronx.

NEW YORK—American Arch Co., 30 Church
American Enameled Brick & Tile Co., 52 Vanderbilt av
Atlantic Terra Cotta Co., 1170 B'way
General Refractories Co., 111 B'way
Hoffman Chas. V. Co., Inc. ("Al Siv"), 95 Liberty, New York
Marcy Stove Repair Co., 74 Beekman
Maurer Henry & Son (All Kinds for Steel, Iron Copper & Glass Works, Blast Furnaces Rolling Mills, etc), 420 E 23d
National Fire Proofing Co., Flatiron bldg
Ostrander Fire Brick Co., 13 Park Row
Perth Amboy Fire Brick Co., 114 Liberty. Works: Perth Amboy, N. J.
Sayre & Fisher Co. (For All Purposes), 261 B'way

Borough of Richmond.

KREISCHERVILLE—Kreischer Brick Mfg. Co.
**(End of New York City)**
ROME—Betson Plastic Fire Brick Co.
SYRACUSE—Pack Geo. W. & Son
Robinson Clay Product Co.
TROY—McLeod & Henry Co. ("Steel Mixture" High Grade) 360 1st
Ostrander Fire Brick Co.

NORTH CAROLINA.

POMONA—Pomona Terra Cotta Co.

NORTH DAKOTA.

DICKINSON—Dickinson Fire & Pressed Brick Co.

OHIO.

AKRON—American Sewer Pipe Co.
Robinson Clay Product Co.
CANTON—Belden Brick Co.
C. & B. Clay Co., Canton, O.
CINCINNATI—Taylor Chas. Sons Co. (& Fire Tile), 710 Burns
Metropolitan Paving Brick Co., Canton, O.
CLEVELAND—Dover Fire Brick Co., Cuyahoga bldg
Federal Refractories Co.
Knauff & Esterbrook
National Fire Proofing Co., 836 Guardian bldg.
Shepard J. J., 1078 River av N. W.
STOWE-FULLER CO. ("Aluminite"), Rockefeller bldg
COAL GROVE—Petersburg Fire Brick & Tile Co.
COLUMBUS—Claycraft Brick Co. ("Indian Brand")
Claycraft Mining & Brick Co., Hartman bldg
Columbus Brick & Terra Cotta Co.
Columbus Fire & Face Brick Co., 16 So. 3rd
Keener Sand & Clay Co., Hartman bldg, Columbus, O.
DELAWARE—Delaware Clay Mfg. Co.
ELFORT—Portsmouth Refractories Co.
EMPIRE—Minor Firebrick Co.
Standard Fire Brick Co.
Stratton Fire Clay Co.
IRONDALE—East Ohio Sewer Pipe Co.
Standard Fire Brick Co.
IRONTON—Ashland Fire Brick Co.
LOGAN—Logan Clay Product Co.
MAGNOLIA—Greer-Beatty Clay Co.
MALVERN—Malvern Fire Clay Co.
MARIETTA—Cisler Thos. & Co.
MASSILLON—Everhard Co.
Massillon Stone & Fire Brick Co.
MILLERSBURG—Millersburg Brick & Tile Co.
MINERAL CITY—Federal Clay Product Co.
Holden Clay Products Co.
NILES—Niles Fire Brick Co.
OAK HILL—Aetna Fire Brick Co.
Davis Fire Brick Co.
Diamond Brick Co. (Wire Cut)

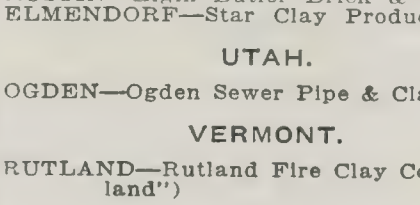
Oak Hill Fire Brick & Coal Co.
Ohio Fire Brick Co.
Pyro Clay Products Co.
PORTSMOUTH—Carlyle Paving Brick Co.
Kentucky Fire Brick Co. ("Imperial" Steel)
**Portsmouth Refractories Co.**
SCIOTOVILLE—Scioto Firebrick Co.
STRASBURG—Columbia Fire Brick Co.
Dover Fire Brick Co.
National Fire Brick Co.
TOLEDO—Toledo Vitrified Brick Co., 622 Madison av
**TORONTO—Toronto Fire Clay Co.**
UHRICHSVILLE—Buckeye Fireclay Co.
Robinson & Son Sewer Pipe Co.,

### PENNSYLVANIA.

BEECH CREEK—Penna. Fire Brick Co.
BOLIVAR—Gardner Jas. Jr. Co.
Soisson Joseph Fire Brick Co.
Vulcan Refractories Co.
CAMERON—Clay Products Co., Cameron, Pa.
CATASAUQUA—Lehigh Fire Brick Works
CLAYSBURG—Standard Refractories Co. (Silica)
CLEARFIELD—Clearfield Fire Brick Co.
Climax Fire Brick Co. (Refractory Climax), Clarion Co., Pa.
CONNELLSVILLE — Soisson Jos. Fire Brick Co.
COURTNEY—Courtney Firebrick Co.
CURWENSVILLE — Bickford Fire Brick Co.
Crescent Refractories Co.
*See adv index at end of book*

**Crescent Refractories Company**
**Three Plants Producing**
HIGH GRADE CLEARFIELD COUNTY FIRE CLAY BRICK AND DUST
Curwensville Pa.

DARLINGTON—Darlington Brick & Mining Co.
DUBOIS—DuBois Clay Mfg. Co.
DUNBAR—United Fire Brick Co.
CAMERON—Clay Prods. Co., Emporium, Pa.
GLEASONTON—North Bend Fire Brick Co.
JOHNSTOWN—Haws A. J. & Sons, (Ltd.) Swank's Hiram Sons
LATROBE—McFeely Brick Co.
LAYTON—Kier Fire Brick Co.
LOCK HAVEN—Lock Haven Fire Brick Co.
Queen's Run Fire Brick Co.
LOCKPORT STATION — Gardner James Jr. Co.
MEYERSDALE—Savage Fire Brick Co.
MILL HALL—Mill Hall Brick Works
MONACA—Welch-Bright Co.
MONONGAHELA — Courtney Fire Brick Co.
Monongahela Clay Mfg. Co.
MOUNT BRADDOCK—Eureka Fire Brick Works
MOUNT UNION—Mount Union Refractories Co.
NEW BRIGHTON—Brighton Fire Brick Co.
Fallston Fire Clay Co.
Ingram & Co.
Smith A. F. Co.
Standard Fire Clay Co.
NEWCASTLE—Newcastle Portland Cement Co.
ORVISTON—Hayes Run Fire Brick Co. (Difficult Shapes a Specialty)
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
PATTON—Good Geo. S. Fire Brick Co.
Patton Clay Mfg. Co.
PHILADELPHIA—Borgner Cyrus Co., 234 N 23d
Hydraulic Press Brick Co., Real Estate Trust bldg.
Hyzer & Lewellen, 952 N 9th
McHenry James, 2310 Washington av
Mack Mfg. Co., Lincoln bldg
Maurer Henry & Son, Penna. bldg
National Fire Proofing Co., Land Title bldg
Phila. Clay Material Co., 4629 W Girard av
Phila. Fire Brick Works, 2306 Vine
Remmey Rich. C. Son Co., Hedley & Delaware
PITTSBURGH—Blackfox Brick Co., 7 Wood
Fallston Fire Clay Co., Oliver bldg
Gloninger & Gloninger (North Savage)
Harbison-Walker Refractories Co. (All Kinds & Shapes for All Purposes). Farmers' Bank bldg
Kier Fire Brick Co.
*See adv index at end of book*



"Salina"
"Lyon"
"Yough"
"Canister Rock"
*Established 1845* Manufacturers of Pittsburgh, Pa.
HIGH GRADE FIRE CLAY AND SILICA BRICK

McFeely Brick Co., 1st Natl. Bank bldg
McLain Fire Brick Co., Fulton bldg
Manown Mfg. Co. (Also Sleeves, Nozzles & Runner, etc, for Open Hearth & Bessemer Steel Works, etc), Oliver bldg
Pittsburgh Clay Product Co., Keenan bldg
Savage Mountain Fire Brick Co., 2nd National Bank bldg
Standard Firebrick Co., Diamond Bank bldg
Union Mining Co., Oliver bldg
Vanport Brick Co., Farmers Bk bldg
West Virginia Fire Clay Mfg. Co., Diamond Bank bldg
READING—Fox E. S. & Co.
Reading Fire Brick Works
RENOVA—West Branch Fire Brick Co.
ROBINSON—Garfield Fire Clay Co. (Also Sleeves, Nozzles & Runner, etc, for Open Hearth & Bessemer Steel Works, etc)
ROYERSFORD—Rogers & Co.
Thomas, Buckwalter & Co.
ST. MARYS—Elk Fire Brick Co.
SALINA—Kier Firebrick Co.
SCRANTON—Wagner Fire Brick Co., Scranton, Pa.
SHARON—Sharon Fire Brick Co.
SNOW SHOE—Snow Shoe Fire Brick Co.
SOUTH FORK—South Fork Fire Brick Co.
UNIONTOWN—United Fire Brick Co.
WILLIAMS—Savage Fire Brick Co.
WILLIAMSPORT—Burns Fire Brick Co.
YORK—Barnitz Geo. A.

### TENNESSEE.

CHATTANOOGA — Chattanooga Sewer Pipe Works
Chattanooga Sewer Pipe & Fire Brick Co.
Walsh & Weidner Boiler Co.

### TEXAS.

ATHENS—Athens Brick & Tile Co.
AUSTIN—Elgin Butler Brick & Tile Co.
ELMENDORF—Star Clay Products Co.

### UTAH.

OGDEN—Ogden Sewer Pipe & Clay Co.

### VERMONT.

RUTLAND—Rutland Fire Clay Co. ("Rutland")

### WASHINGTON.

SEATTLE—Denny-Renton Clay & Coal Co.
SPOKANE—American Fire Brick Co.
Washington Brick, Lime & Sewer Pipe Co.

### WEST VIRGINIA.

CLARKSBURG—Thornton Fire Brick Co.
FAIRMONT—Hammond Fire Brick Co.
GRAFTON—Thornton Fire Brick Co.
NEW CUMBERLAND—Acme Fire Clay Works
Claymont Brick Works
Freeman Fire Brick Co.
Mack Mfg. Co.
THORNTON—Thornton Fire Brick Co.

## 1426— Brick (Fire Flashed)

Claycraft Mining & Brick Co., Hartman bldg, Columbus, O.
Federal Clay Product Co., Mineral City, O.
Golden Fire Brick Co., Denver, Col.
Hocking Valley Products Co., Columbus, O.
Hydraulic-Press Brick Co. ("Hy-tex"), Central Nat Bank bldg, St. Louis, Mo.
Ironclay Brick Co. ("Ironclay"), Columbus, O.
Progress Press Brick & Machine Co., King's Highway nr Arsenal, St. Louis, Mo.
Sayre & Fisher Co., 261 Broadway, N. Y.

## 1427— Brick (Forging Furnace)

MacLead Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Standard Refractories Co., Claysburg, Pa.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1428— Brick (Foundry)

Standard Refractories Co., Claysburg, Pa.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

## 1429— Brick (Front)

Firms indicated by a dagger (†) in front of their name manufacture both Standard & Roman sizes.
Manufacturers of Ornamental shapes are indicated thus (Also Ornamental) between their name and address.
CONSULT INDEX OF CONTENTS FOR OTHER BRICK & CLAY PRODUCTS

### ALABAMA.

BIRMINGHAM — Copeland - Inglis Shale Brick Co.

### ARIZONA.

TUCSON—Tucson Pressed Brick Co.

### CALIFORNIA.

LOS ANGELES—Furlow Pressed Brick Co., 3001 San Pedro
†Los Angeles Pressed Brick Co. (All Shapes & Colors)
MODESTO—Modesto Repressed Brick Co.
NILES—Cal. Brick Co.
Cal. Pressed Brick Co.
Livermore Fire Brick Works
SAN FRANCISCO—Clark N. & Sons, 116 Natoma
†Gladding, McBean & Co. (Buff & Ornamental), Crocker bldg
Pratt Building Material Co., Hearst bldg
United Materials Co. (Ornamental), 618 Mission
STOCKTON—San Joaquin Brick Co.

### COLORADO.

BOULDER—Boulder Pressed Brick & Lumber Co.
DENVER—Colfax Pressed Brick Co.
Denver Pressed Brick Co. (Standard & Ornamental)
Denver Sewer Pipe & Clay Co.
LONGMONT—Longmont Brick & Tile Co. ("Lo-tex Rough Texture Face)
PUEBLO—Standard Fire Brick Co.
Summit Pressed Brick & Tile Co.

### CONNECTICUT.

BERLIN—Merwin C. P. Brick Co.
HARTFORD — Hartford Faience Co. (Enameled)
NEW HAVEN—Davis Wm. E. & Co.
Howard Co.
Montowese Brick Co.
Stiles I. L. & Son Brick Co.

### DISTRICT OF COLUMBIA.

WASHINGTON—Virginia Brick Co., Colorado bldg
Washington Brick & Terra Cotta Co., 911 H N W
West Bros. Brick Co., National Savings & Trust bldg

### GEORGIA.

MACON—Standard Brick Co. ("Cravenette," Impervious, etc)
Stevens H. Sons Co.
MILLEDGEVILLE—Oconee Brick & Tile Co.
ROME—Trammell & Son (Mottled Colors)

### ILLINOIS.

ALTON—Alton Brick Co.
BELLEVILLE—Belleville Brick & Tile Co. (Red, Pressed & Ornamental)
BLOOMINGTON — Bloomington Pressed Brick Co.
CHICAGO—Bach Brick Co., 2647 Montrose av
Chicago Brick Co., 38 S Dearborn
Dee Wm. E. Co., 30 N La Salle
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Chamber of Commerce bldg
Illinois Brick Co., 111 W Wash.
Kimbell S. S. Brick Co., 133 W Washington
National Brick Co., 118 N La Salle
Sexton Jno. M. L., 1459 Michigan av
COLLINSVILLE—Hydraulic-Press Brick Co. ("Hy-tex" Works)
DANVILLE—Western Brick Co. (Red & Brown Wire Cut, Colonial Brick)
DECATUR—Ammann & Co.
EDWARDSVILLE—Richards Brick Co.
HAMPSHIRE—Backus & Sholes
LA SALLE—†La Salle Pressed Brick Co. (Buff, Red, etc)
MASCOUTAH—National Pressed Brick Co.
NASHVILLE—Nashville Press Brick Co.
OLNEY—Olney Paving Brick & Tile Mfg. Co.
QUINCY—Gem City Press Brick Co.
STREATOR—Barr Clay Co.
Streator Brick Co.

### INDIANA.

ANDERSON—Indiana Brick Co. (Sand Moulder Face)
BRAZIL—Brazil Clay Co. (Buff Iron Spot, etc)
Brazil Face Brick Co.
Hydraulic-Press Brick Co. ("Hy-tex" Works)
BROOK—Brook Terra Cotta, Tile & Brick Co.
CAYUGA—Acme Brick Co. (Impervious Shale Face Brick)
HUNTINGBURG—Huntingburg Dry Press Brick Co.
INDIANAPOLIS—
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Board of Trade bldg
MONTEZUMA—Montezuma Brick Works
NEW ALBANY—Goetz Pressed Brick Co. (Red & Colors)
PORTER — Hydraulic-Press Brick Co. ("Hy-tex" Works)

### IOWA.

BOONE—Boone Brick, Tile & Paving Co. (Vitrified)
DAVENPORT—Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental)
DES MOINES—Des Moines Clay Co.
Maine James & Sons Co. (Sand Mold)
GLADBROOK—Gethmann Brick Co.
LEHIGH—Campbell James
Lehigh Clay Products Co.
MASON CITY—American Brick & Tile Co.
Mason City Clay Works
MONTICELLO—Dautremont Frank
VAN METER—Platt Pressed & Fire Brick Co.

### KANSAS.

BUFFALO—Buffalo Brick Co.
BUFFVILLE—Kansas Buff Brick & Mfg. Co.
COFFEYVILLE—Coffeyville Shale Products Co.
Coffeyville Vitrified Brick & Tile Co.
IOLA—Iola Brick Co. (Repressed, etc)
TOPEKA—Capital City Vitrified Brick & Paving Co.

### KENTUCKY.

COVINGTON—Busse Brick Co.
FULTON—Bransford C. H. & Son
LEXINGTON—Lexington Brick Co.
LOUISVILLE—Southern Brick & Tile Co
MAYSVILLE—Sphar Brick Co.
NEWPORT—Newport Pressed Brick & Stone Co.

### LOUISIANA.

BATON ROUGE—Baton Rouge Brick Yard
NEW ORLEANS—Ford F. Codman, ("Hy-Tex" Agency) (also Ornamental) 738 Union av
Salmen Brick & Lumber Co. (Ltd.) Whitney bldg

### MAINE.

SACO—Saco Brick Co.
WATERVILLE—Purinton Horace Co.

### MARYLAND.

BALTIMORE—Baltimore Brick Co. (Red, Maryland Trust bldg
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Title bldg
CUMBERLAND—Queen City Brick & Tile Co.
HAGERSTOWN—Hancock Shale Brick Co. (Colonial & Pressed)
SALISBURY—Salisbury Brick Co.

### MASSACHUSETTS.

BOSTON—Boston Brick Co.
Fiske & Co. ("Tapestry," "Caledonian." All Colors & Shapes), 25 Arch
Phila. & Boston Face Brick Co. (Light & Red), 155 Milk
IPSWICH—Brown Walter G.
NORTHAMPTON—Bailey W. A.

### MICHIGAN.

DETROIT—Clippert Geo. H. & Bro. Brick Co., 161 Virginia pk
Holmes B. F. & Co., 3rd & York
Michigan Pressed Brick Co., 480 Lawton
Puritan Brick & Tile Co., Farewell bldg
IONIA—Vander Heyden Fred H.
OXFORD—Michigan Pressed Brick Co.
ZEELAND—Zeeland Brick Co.

### MINNESOTA.

CHASKA—Chaska Brick & Tile Co. (Sand Mould Veneers)
COON CREEK—Hydraulic-Press Brick Co. ("Hy-Tex" Works)
DRESBACH—Remp R.
MINNEAPOLIS—Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Builders Exchange
Wisconsin Red Pressed Brick Co., Lumber Exchange
NEW ULM—Aufderheide Fred
ST. PAUL—Chaska Brick & Tile Co. (Veneer), Ryan bldg
Twin City Brick Co. (Buff, Red & Ornamental), Pioneer bldg
SHAKOPEE—Schroeder Brick & Lime Co.
SPRINGFIELD—Ochs A. C. Brick & Tile Co.
WARREN—Lundgren Edward
WRENSHALL—Hydaulic-Press Brick Co. ("Hy-tex" Works)

### MISSISSIPPI.

BROOKHAVEN — Brookhaven Pressed Brick & Mfg. Co. (All Colors)
YAZOO CITY—Montgomery Land Co.

### MISSOURI.

BRUNSWICK—Brunswick Brick & Tile Co.
CAPE GIRARDEAU — Cape Girardeau Press Brick Co.
DIAMOND—Hydraulic-Press Brick Co. ("Hy-tex" Works)
FESTUS—Festus Pressed Brick Co.
JACKSON—Kasten & Schmuke Pressed Brick Co.
KANSAS CITY—Buffalo Brick Co., Builders Brick & Mfg. Co.
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Rialto bldg.
LEXINGTON—Lexington Triumph Press Brick Co.
ST. CHARLES—St. Charles Brick Co.
ST. LOUIS—College Hill Press Brick Co. 1400 College av
Continental Brick Co. (Red Pressed), Wright bldg
Enterprise Brick Works Co. (Red Pressed), Kingsway & Oak Hill R R tracks
Excelsior Press Brick Co., 1010 Chestnut
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Central Nat. Bk. bldg. (Home Office & Works 8 Plants)
†Ittner Anthony Brick Co. (Red & Ornamental), Odd Fellows bldg
Missouri Press Brick & Improvement Co., Marine av c Osage
National Pressed Brick Co., 407 N 8th
Progress Press Brick & Machine Co. (All Colors & Shapes), King's Highway, nr Arsenal
Superior Press Brick Co., 3190 S King's Highway

### MONTANA.

ANACONDA—Anaconda Copper Mining Co.

### NEBRASKA.

AVERY—Hydraulic-Press Brick Co. ("Hy-tex" Works)
HASTINGS—Polenske Bros., Schellak & Co.
LINCOLN—Yankee Hill Brick Mfg. Co.
OMAHA—Hydraulic-Press Brick Co. ("Hy-tex" also Ornamental)
Smith Brick Co.

### NEVADA.

RENO—Reno Pressed Brick Co.

### NEW HAMPSHIRE.

GONIC—Boston Brick Co.

### NEW JERSEY.

HACKENSACK—Hackensack Brick Co.
LITTLE FERRY—Mehrhof Brick Co.
NEWARK—Sayre Jas. R., Jr. & Co., River
OLD BRIDGE—Old Bridge Enameled Brick & Tile Co. (Enameled)
SAYREVILLE—Sayre & Fisher Co. (See New York City)
SOUTH RIVER—Pettit & Co
South River Brick Co.
TRENTON—Applegate Joseph
Donahoe & Nolan

### NEW YORK.

ALBANY—Smith, Edw. J.
Jewettville Brick Co., Builders Exchange
Lancaster Brick & Tile Co., Builders' Exchange
Lyth A. & Sons Co., 48 W Eagle
Lyth Tile Co., 202 Pearl
Schmidt G. W., 180 Linwood av
JAMESTOWN—Jamestown Shale Paving Brick Co.

### NEW YORK CITY.

#### Boroughs of Manhattan and Bronx.

NEW YORK—Chestnut Ridge White Brick Co. (Impervious Buff, Cream, White & Pink), 7 W 45th
Fiske & Co. ("Fisklock" "Tapestry," "Caledonian," "Harvard" all Colors & Shapes), 40 W. 32d
Fredenburg & Lounsbury (Mfrs. Agts), 381 4th av, New York
Sayre & Fisher Co. (Various Colors, Plain & Ornamental), 261 B'way

#### Borough of Richmond.

KREISCHERVILLE — Kreischer Brick Mfg. Co., (Buff, Mottled & Ornamental, All Kinds)

**(End of New York City)**

OLEAN—Olean Pressed Brick Co.
ROCHESTER—Rochester Composite Brick Co.
Rochester German Brick & Tile Co.
SYRACUSE—Merrick C. H.
Onondaga Vitrified Brick Co.

### NORTH CAROLINA.

ELIZABETH CITY—Elizabeth City Brick Co.
POMONA—Pomona Terra Cotta Co.

### OHIO.

AKRON—Akron Brick & Tile Co.
Akron Vitrified Clay Mfg. Co.
McCausland Bros.
ALLIANCE—Alliance Brick Co.
ATHENS—Athens Brick Co.
BATAVIA—Clermont Brick Co.
CANTON—Belden Brick Co.
Metropolitan Paving Brick Co., Canton, O.
CINCINNATI—Moores-Coney Co., St. Paul bldg

Suer B. & Sons, 1938 Duck Creek rd
Suer Herman & Sons, Marburg av & Hyde Park
CLEVELAND—Barkwill Farr Co., Leader News bldg
Cleveland Brick & Clay Co., B. of L. E. bldg
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), 900 Schofield
Ohio Clay Co. (Hollow & Face Brick)
Valley Shale Brick Co. (Wire Cut)
CLINTON—Belden Brick Co.
COLUMBUS—Claycraft Brick Co. ("Indian Brand" Velour, Red, Brown, Gun Metal & Chocolate)
Claycraft Mining & Brick Co., Hartman bldg
Columbus Brick & Terra Cotta Co. (Fancy, Buff & Grey Speckled)
Columbus Fire & Face Brick Co., 16 So 3rd
Franklin Brick & Tile Co., 8 E Long
Hocking Valley Products Co. ("Greendale Rug")
Ironclay Brick Co.
COSHOCTON—Coshocton Brick Co. (Non-Spot, etc)
DELAWARE—Delaware Clay Mfg. Co.
DIFORT — Portsmouth Refractories Co. (See Portsmouth)
HAMILTON—Hamilton Brick Co.
HANOVER—Hanover Red Pressed Brick Co.
LOGAN—Logan Clay Product Co. ("Logan," Glazed Vitrified)
LOUISVILLE—Louisville Brick & Tile Co.
McARTHUR—McArthur Brick Co. (Red, Buff, Brown, Grey, etc)
MARIETTA—Acme Brick Co.
Cisler Thos. & Co.
MASSILLON—Everhard Co.
Massillon Brick Co.
MIDDLETOWN—Smith Wm. & Co. (Buff Only)
MINERAL CITY—Federal Clay Product Co. ("Sparta" Impervious Buff, Mottled, Flashed, Plain or Glazed)
Holden Clay Products Co. (Buff, Mottled, etc)
MOGADORE—Colonial Pressed Brick Co.
NEW LEXINGTON—New Lexington Clay Mfg Co.
NEW STRAITSVILLE—Straitsville Impervious Brick Co.
PORTSMOUTH—Portsmouth Paving Brick Co. (Red)
Portsmouth Refractories Co.
ROSEVILLE—Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental)
SOUTH PARK — Hydraulic-Press Brick ("Hy-tex," Works)
STEUBENVILLE—Nicholson Brick Co.
STRASBURG—Columbia Fire Brick Co. (Buff)
National Fire Brick Co.
TOLEDO — Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental). Ohio bldg
TORONTO—Toronto Fire Clay Co. (Buff, Vitrified)
ZANESVILLE—Buckeye Fireclay Co.
Evans Clay Mfg. Co.
WADSWORTH—Wadsworth Brick & Tile Co.
WARREN—Warren Brick & Tile Co.

## OKLAHOMA.

CHOCTALESTER—Choctaw Pressed Brick Co.
MANGUM—Mangum Pressed Brick Co.
SAPULPA—Sapulpa Brick Co. (Face)
Sapulpa Pressed Brick Co.

## PENNSYLVANIA.

ALTOONA—Altoona Brick Co.
AUBURN—Auburn Shale Brick Co. (Red Shale Repressed & "Smyrna" Round Edge Face Brick)
BOSTON—Harper C. M. C.
BRADFORD—†Alumina Shale Brick Co. (Red Pressed & Ornamental)
Bradford Pressed Brick Co. (Red) Pressed & Ornamental)
Kittanning Clay Products Co.
CHESTER—Fields Brick Co.
CLEARFIELD—Clearfield Clay Working Co.
Clearfield Fire Brick Co.
DOWAN — Hydraulic-Press Brick Co. ("Hy-tex" Works)
DARLINGTON—Darlington Brick & Mining Co. (Buff & Red)
DUBOIS — Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental)
FALLS CREEK—Hydraulic-Press Brick Co. ("Hy-tex" Works)
HANOVER—Snyder Edw. H.
KITTANING—Kittaning Brick & Fire Clay Co. (Buff, etc)
KUSHEQUA—Kushequa Brick Co. (Oxblood, Red, Devonshire & Repressed)
LANSDALE—Scholl Bros.
LEHIGHTON—Graver, H. A.
MILL HALL—Mill Hall Brick Wks (Red)
MILTON—Milton Brick Co., Milton, Pa.
MONESSEN—Monessen Brick Works
MONONGAHELA—Monongahela Clay Mfg. Co.
NEW BRIGHTON—Fallston Fire Clay Co. (Buff, Ornamental, etc)
Ingram & Co.
NEW GALILEE—Beaver Clay Mfg. Co.
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
PATTON—Good Geo. S. Fire Brick Co.
Patton Clay Mfg. Co.
PHILADELPHIA — Equitable Brick Mfg. Co., Perry bldg
Hamburg Vitrified Brick Co., 20th & Sedgley
Hydraulic-Press Brick Co. ("Hy-tex," also Ornamental), Real Estate Trust bldg
†Jarden Brick Co. (Red & Ornamental), Land Title bldg
Ketcham O. W., 24 S 7th
Mack Mfg. Co., Lincoln bldg
PITTSBURGH—Fallston Fire Clay Co. (Buff, Ornamental, etc), Oliver bldg
Gloninger & Co., Arrott bldg
Kittaning Brick & Fire Clay Co. ("Kittaning," Buff, Grey & Mottled, Standard & Roman Shapes), Empire bldg
Martin Brick Co., Empire bldg
Star Works, 22nd & Railroad
Vanport Brick Co., Farmers Bank bldg
Walker, Hay Brick Co., Farmers Bank bldg
Westmoreland Brick Co. (Buff), 2nd National Bank bldg
Yingling Martin Brick Co. (Art Brick)
READING—Moyer & Co.
Reading Shale Brick Co.
RIDGWAY—Ridgway Brick Co. (Red, etc)
ST. MARY'S—Elk Brick Co.
SCHUYLKILL HAVEN—Schuylkill Pressed Brick Co.
SHAMOKIN—Union Brick Co. (Buff & Red)
UNIONTOWN — United Fire Brick Co. (Buff, etc)
Williams J. V.

## SOUTH CAROLINA.

SUMMERVILLE—Summerville Brick Co.
SUMTER—Sumter Brick Works

## SOUTH DAKOTA.

SIOUX FALLS—Sioux Falls Pressed Brick Co.

## TENNESSEE.

CHATTANOOGA — Chattanooga River Brick Co.
Key-James Brick Co. (All Colors), Chattanooga, Tenn.
DYERSBURG—Nichols J. M.
KINGSPORT—Kingsport Brick Corp.
MEMPHIS—South Memphis Brick Co. (Red)
NASHVILLE—Bush Building Co.
Fulcher Brick Co.

## TEXAS.

AUSTIN—Elgin Butler Brick & Tile Co.
CALAVERAS—Mackey Brick & Tile Mfg. Co.
EL PASO—El Paso Brick Co.
FERRIS—Ferris Pressed Brick Co.
Lone Star Pressed Brick Co.
FORT WORTH—Acme Brick Co.
GAINESVILLE—Gainesville Brick Co.
SAN ANTONIO—Mackey Brick & Tile Mfg. Co., San Antonio, Tex.

## UTAH.

PROVO—Provo Pressed Brick Co.
SALT LAKE CITY—Salt Lake Pressed Brick Co.

## VIRGINIA.

NORFOLK—Lawrenceville Brick & Tile Co.
Nansemond River Brick & Tile Co.
RICHMOND—Burroughs & Mankin
WATERLOO—Hydraulic-Press Brick Co. ("Hy-tex" Works)

## WASHINGTON.

SEATTLE—Abrahamson A. Brick Co.
Denny-Renton Clay & Coal Co. (Plain & Ornamental)
Harper-Hill Brick Co.
SPOKANE—American Fire Brick Co. (Mica Dry Pressed Brick Yards)
Washington Brick, Lime & Sewer Pipe Co. (White & Cream Face Brick & Repressed Brick)
WALLA WALLA—Walla Walla Brick & Tile Co.

## WEST VIRGINIA.

ELKINS—Elkins Brick Co.
NEW CUMBERLAND—Mack Mfg. Co. (Vitrified)

## WISCONSIN.

BARRON—Barron Red Pressed Brick Co.
JANESVILLE—Freese Bros.
JEFFERSON—Jefferson Brick & Tile Mfg. Co.
MILWAUKEE—Standard Brick Co., 496 Clement av
RACINE—Hilker Bros. Brick Mfg. Co.
STEVENS POINT—Langenberg Wm. E.

## 1430-1-2— Brick (Furnace Arch & Roof)

Carr Elmer E. ("Carr" Ventilated Arches), Insurance Ex, Chicago, Ill.
McLeod & Henry Co., 360 1st, Troy, N. Y.
Standard Refractories Co., Claysburg, Pa.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

## 1433-4—Brick (Glass Furnace & Tank)

American Refractories Co., Union Arcade bldg, Pittsburgh, Pa.
Ashland Fire Brick Co., Ashland, Ky.
Bickford Fire Brick Co., Curwensville, Pa.
Gill Clay Pot Co., Muncie, Ind.
Glass Brick Co., 1st Nat Bnk Bldg, Cincinnati, O.
Harbison-Walker Refractories Co. (Silica), Farmers' Bank bldg, Pittsburgh, Pa.
Kier Fire Brick Co., Oliver, Pittsburgh, Pa.
*See adv index at end of book*
Portsmouth Refractories Co., Portsmouth, Ohio
Standard Refractories Co., Claysburg, Pa.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.
Walsh Fire Clay Products Co., 4070 No Main, St. Louis, Mo.

## 1435-6— Brick (Glazed)

American Enameled Brick & Tile Co., 52 Vanderbilt av, New York
American Refractories Co., Union Arcade bldg, Pittsburgh, Pa.
Atlantic Terra Cotta Co., 1170 B'way, New York
Claycraft Mining & Brick Co., Hartman bldg, Columbus, O.
Federal Clay Product Co., Mineral City, O.
Funsten Clay Products Co., 55 New Montgomery, San Francisco, Cal.
Golden Fire Brick Co., Denver, Colo.
Hydraulic-Press Brick Co. ("Hy-Tex"), Board of Trade bldg, Indianapolis, Ind.
Livermore Fire Brick Works, Niles, Cal.
Logan Clay Products Co. (Vitrified, Encaustic & Rock Faced), Logan, O.
Markley Geo. J., Mineral City, O.

## 1437—Brick (Heating Furnace)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Standard Refractories Co., Claysburg, Pa.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1438-9— Brick (Hollow)

Akron Brick & Tile Co. (Shale), Akron, O.
American Brick & Tile Co., Mason City, Ia.
Brazil Clay Co., Brazil, Ind.
Chaska Brick & Tile Co., Ryan bldg, St. Paul, Minn.
Denver Sewer Pipe & Clay Co., Denver, Col.
Diamond Brick Co., Oak Hill, O.
Far West Clay Co., Tacoma, Wash.

BRICK (HOLLOW)—continued
Franklin Brick & Tile Co., 8 E Long, Columbus, O.
Funsten Clay Products Co., 55 New Montgomery, San Francisco, Cal.
Gladding, McBean & Co., Crocker bldg, San Francisco, Cal. Works: Lincoln, Cal.
Golden Fire Brick Co., Denver, Colo.
Hanover Brick Co., Morristown, N. J.
Klein C. H. Brick Co., Chaska, Minn.
Lancaster Brick & Tile Co., Builders' Exchange, Buffalo, N. Y.
McCutcheon C. H., Lancaster, N. Y.
McEwing & Thomas Clay Products Co., Fullerton bldg, St. Louis, Mo.
Mason City Brick & Tile Co., Mason City, Iowa
Mason City Clay Works, Mason City, Ia.
Maurer Henry & Son, 420 E 23d, New York
Merrick C. H., Syracuse, N. Y.
Merwin C. P. Brick Co., Berlin, Conn.
Millersburg Brick & Tile Co., Millersburg, Ohio
Ochs A. C. Brick & Tile Co., Springfield, Minn.
Onondaga Vitrified Brick Co., Syracuse, N. Y.
Parker-Russell Mining & Mfg. Co., Laclede Gas Light bldg., St. Louis, Mo.
Penna Fire Proofing Co., Erie, Pa.
Rochester Brick & Tile Mfg. Co., Rochester, N. Y.
Sayre & Fisher Co., 261 B'way, New York
Sioux City Brick & Tile Co., Sioux City, Iowa
Standard Brick Co., Macon, Ga.
Troy Fireproofing Co., Troy, N. Y.
Whittacre-Greer Fire Proofing Co., Waynesburg, Ohio

## 1440— Brick (Ladle)

**STOWE-FULLER CO.,** Rockefeller bldg, Cleveland, Ohio
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1441— Brick (Lead Softening Furnace)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1442— Brick (Lime Kiln)

American Refractories Co., Union Arcade bldg, Pittsburgh, Pa.
Ashland Fire Brick Co., Ashland, Ky.
Bickford Fire Brick Co., Curwensville, Pa
Brighton Fire Brick Co., New Brighton Pa.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Kier Fire Brick Co., Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Maurer Henry & Son, 420 E 23d, New York
Portsmouth Refractories Co., Portsmouth, Ohio
Southern Fire Brick & Clay Co., 133 W Washington, Chicago, Ill.
Standard Refractories Co., Claysburg, Pa.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## Brick (Locomotive Arch)

See Locomotive Tiles

## 1443— Brick (Magnesia)

American Refractories Co., Union Arcade bldg, Pittsburgh, Pa.
Catlin R. H. Co., Wilmington, Del.
Federal Refractories Co., Cleveland, O.
General Refractories Co., 111 B'way, New York
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Haws A. J. & Sons (Ltd.), Johnstown, Pa.
Mount Union Refractories Co., Mount Union, Pa.

## 1444— Brick (Magnesite)

American Refractories Co., Union Arcade bldg., Pittsburgh, Pa.
Atkins, Kroll & Co., 260 California, San Francisco, Cal.
Federal Refractories Co., Cleveland, O.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Mount Union Refractories Co., Mount Union, Pa.
Phoenix Iron Co. ("Metalcase"), 22 S 15th, Phila., Pa.
Standard Fire Brick Co., Pueblo, Col.
**STOWE-FULLER CO.,** Rockefeller bldg, Cleveland, Ohio

## 1445—Brick (Malleable Furnace Shapes)

Bickford Fire Brick Co., Curwensville, Pa.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Pennsylvania Fire Brick Co., Beech Creek, Pa.
Portsmouth Refractories Co., Portsmouth, Ohio
**STOWE-FULLER CO.,** Rockefeller bldg, Cleveland, Ohio
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1446-7— Brick (Oil Heating Furnace)

Ashland Fire Brick Co., Ashland, Ky.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1448— Brick (Pompeiian)

Firms indicated by a (†) in front of their name manufacture both Standard and Roman sizes
Everhard Co. (Mottled, etc), Massillon, O.
†Fallston Fire Clay Co. (Mottled & Ornamental), Oliver bldg, Pittsburgh, Pa.
Federal Clay Product Co., The (Mottled & Ornamental), Mineral City, O.
Gloninger & Co., Arrott bldg, Pittsburgh, Pa.
Golden Fire Brick Co. (Mottled & Ornamental), Denver, Colo.
†Ironclay Brick Co., Columbus, O.
†Jarden Brick Co. (Mottled & Ornamental), Land Title bldg, Phila., Pa.
Kreischer Brick Mfg. Co., Kreischerville, S. I., N. Y.
La Salle Pressed Brick Co., La Salle, Ill.
Powhattan Clay Mfg. Co., Richmond, Va.;
†Progress Press Brick & Machine Co. (Also Ornamental), Kingshighway nr Arsenal, St. Louis, Mo.
United Fire Brick Co., Uniontown, Pa.
Vanport Brick Co. (Standard Shapes Only), Farmers Bank bldg, Pittsburgh, Pa.

## 1449— Brick (Porcelain)

Sayre & Fisher Co. (Dull Finish, White), 261 B'way, New York
Union Porcelain Works (Lock Arch & Straight), 300 Eckford, Brooklyn, New York

## 1450— Brick (Pottery Kiln)

Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1451-2— Brick (Puddling Furnace)

Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1453—Brick (Regenerator or Checker)

Didier-March Co. ("Didier") Perth Amboy, N. J.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## Brick (Rock Faced)

See Steel Brick & Rock Face Siding

## 1454— Brick (Rotary Kiln)

Dickey W. S., Clay Mfg. Co., Kansas City, Mo.
Livermore Fire Brick Works, Niles, Cal.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## 1454a— *Brick (Salt Glazed)

**HOCKING VALLEY FIRE CLAY CO.,** Nelsonville, Ohio
Stark Brick Co., Canton, O.

## 1455-6— Brick (Sand Lime)

See also Brick, Common
Acme Brick Co., Milwaukee, Wis.
Allegheny Slag Products Co., Buena Vista, Va.
Atlas Brick Co., El Paso, Tex.
Bakersfield Sandstone Brick Co., Bakersfield, Cal.
Bay State Brick Co., Indian Orchard, Mass.
Belt Line Brick Co., Builders Ex, Minneapolis, Minn.
Bodwell Brick & Tile Co., Kansas City, Mo.
Bond Sandstone Brick Co., Lake Helen, Fla.
Brown Stone Store Co., Waltonville, Pa.
Buffalo Sandstone Brick Co., Buffalo, N. Y.
Crume Brick Co., Dayton, O.
Federal Carbonic Brick Co., Detroit, Mich.
Federal Granite Brick Co., Scranton, Pa.
Flood & Hall Inc., Detroit, Mich.
Furlow Pressed Brick Co., Pasadena, Cal.
Gary Sand Lime Brick Co., Hammond, Ind.
Grande Brick Co., Grand Rapids, Mich.
Granite Brick Co., Michigan City, Ind.
Hummelstown Brownstone Co., Waltonville, Pa.
Indian Sand Lime Brick Co., Greenfield, Ind.
Jackson-Lansing Brick Co., River Junction, Mich.
Lake Superior Stone Brick Co., Calumet, Mich.
Medfield Silica Co., Medfield, Mass.
Menominee Brick Co., Menominee, Mich.
Michigan Pressed Brick Co., 480 Lawton, Detroit, Mich.
Minneapolis Sand-Lime Brick Co., 307 Kasota, Minneapolis, Minn.
Mt. Gretna Brownstone Co., Lebanon, Pa.
Mouse River Brick Co., Denbigh, N. D.
National Brick Co., Spokane, Wash.
New Orleans Silicate Brick Co., New Orleans, La.
North Indiana Brick Co., Michigan City, Ind.
Ohlemacher Brick Co., Michigan City, Ind.
Paragon Plaster Co., 300 W Water, Syracuse, N. Y.
Penbryn Brick Co., Bridgeton, N. J.
Plant City Composite Brick Co., Plant City, Fla.
Providence Brick Co., Providence, R. I.
Range Sand Lime Brick Co., Pengilly, Minn.
Rochester Composite Brick Co., Rochester, N. Y.
Rochester Sand & Brick Co., Rochester, N. Y.
Sacramento Pressed Brick Co., Sacramento, Cal.
Saginaw Brick Co., Saginaw, Mich.
San Antonio Sand Lime Brick Co., San Antonio, Tex.
Sand Lime Brick Co., Boise, Idaho
Sebewaing Sandstone Brick Co., Sebewaing, Mich.
Sioux Falls Pressed Brick Co., Sioux Falls, S. D.
South Michigan Brick Co., Kalamazoo, Mich.
Sugar Grove Brick Co., Columbus, O.
Tift Silicate Brick & Stone Co., Albany, Ga.
Watertown Brick Co., Watertown, S. D.
West Tacoma Pressed Brick Co., West Tacoma, Wash.
White Brick Co., Comanche, Tex.
Winchester Brick Co., Boston, Mass.
Winchester Granite Brick Co., Winchester, Ky.
Wisconsin Brick Co., Madison, Wis.

## 1457-8— Brick (Silica)

American Refractories Co., Union Arcade bldg, Pittsburgh, Pa.
Atkins, Kroll & Co., 260 California, San Francisco, Cal.
Blackfox Brick Co. ("B. F. R."), 7 Wood. Pittsburgh, Pa.
Catlin R. H Co., Wilmington, Del.
Diamond Fire Brick Co., Canon City, Col.
Didier-March Co. ("Didier"), Perth Amboy, N. J.
Everhard Co., Massillon, O.
Federal Refractories Co., Cleveland, O.
General Refractories Co., 111 B'way, New York
Golden Fire Brick Co., Denver, Col.
Harbison-Walker Refractories Co., Farmers' Bank bldg., Pittsburgh, Pa.
Haws A. J. & Sons, Johnstown, Pa.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Kier Fire Brick Co. ("Lalina," "Yough"), Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
McFeeley Brick Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.

Mount Union Refractories Co., Mount Union, Pa.
Niles Fire Brick Co., Niles, O.
Osceola Silica & Fire Brick Co., Osceola Mills, Pa.
Perth Amboy Fire Brick Co., 114 Liberty, New York, & Perth Amboy, N. J.
Portsmouth Refractories Co., Portsmouth, O.
Soisson Jos., Fire Brick Co., Connellsville, Pa.
Standard Fire Brick Co., Pueblo, Col.
Standard Refractories Co. (Fire), Claysburg, Pa.
STOWE-FULLER CO., Rockefeller bldg., Cleveland, O.
Tift Silica Brick Co., Tifton, Ga.
United Fire Brick Co., Uniontown, Pa.
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

## 459-60-1-2-3—Brick (Soaking Pit)

Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.

## Brick (Stove Lining)

See Stove Linings

## 464-5 Brick (Velvet)

Claycraft Mining & Brick Co., Columbus, O.

## 466—Brick (Vitrified Paving)

Firms Indicated by a (*) Star, also Manufacture Paving Blocks

### ALABAMA.

BIRMINGHAM — Copeland-Inglis Shale Brick Co.
COALDALE—*Southern Clay Mfg. Co (See Chattanooga, Tenn.)

### ARKANSAS.

LITTLE ROCK—*Arkansas Brick & Mfg. Co.

### CALIFORNIA.

MILES—*California Brick Co.
SAN FRANCISCO—Atlas Paving Brick Co., Hollister av & Gilroy

### COLORADO.

DENVER—Denver Sewer Pipe & Clay Co.

### GEORGIA.

AUGUSTA—Georgia Vitrified Brick & Clay Co.

### ILLINOIS.

ABINGTON—Abington Paving Brick & Tile Co.
ALBION—*Albion Vitrified Brick Co.
Albion Shade Brick Co.
ALTON—Alton Brick Co.
CHAMPAIGN—Sheldon Brick & Building Supply Co.
CHICAGO—Dee Wm. E. Co., 30 N La Salle
Garden City Sand Co., Chamber of Commerce bldg
Thomas Moulding Brick Co., 1203 Chamber of Comm.
DANVILLE—*Danville Brick Co.
EDWARDSVILLE—Banner Clay Works
GALESBURG—*Purington Paving Brick Co.
MURPHYSBORO — Murphysboro Paving Brick Co.
OLNEY—Olney Paving Brick & Tile Mfg. Co.
PEORIA—Peoria Brick & Tile Co.
Carter, F. R.
SPRINGFIELD—Springfield Paving Brick Co.
STREATOR—*Barr Clay Co.
Streator Clay Mfg. Co.

### INDIANA.

ATTICA—*Poston Clarence E.
BLOOMFIELD—*Bloomfield Brick Co.
BRAZIL—*Indiana Paving Brick & Block Co.
CLINTON—*Clinton Paving Brick Co.
CRAWFORDSVILLE — *Poston Paving Brick Co.
Standard Brick Co.
MARTINSVILLE—*Martinsville Brick Co.
MEDORA—Medora Shale Brick Co.
TERRE HAUTE—Terre Haute Vitrified Brick Co.
*Veedersburg Paver Co.

### IOWA.

BOONE—*Boone Brick, Tile & Paving Co.
DES MOINES—Des Moines Brick & Tile Co.
*Flint Brick Co.
Iowa Pipe & Tile Co.
GLADBROOK—Gethmann Brick Co.
MASON CITY—Mason City Clay Works
SIOUX CITY—Sioux City Brick & Tile Co.

### KANSAS.

BUFFALO—Buffalo Brick Co.
COFFEYVILLE—Coffeyville Shale Products Co.
Coffeyville Vitrified Brick & Tile Co.
IOLA—Iola Brick Co.
Union Brick Co. (Repressed, etc)
NEODESHA—Verdigris Valley Vitrified Brick & Tile Co.
PITTSBURGH—*Pittsburgh Paving Brick Co.
SALINA—Salina Vitrified Brick Co.
TOPEKA—Capital City Vitrified Brick & Paving Co.

### KENTUCKY.

LOUISVILLE—*Bannon P. Pipe Co.
PADUCAH—Katterjohn Brick Co.

### MARYLAND.

CUMBERLAND—*Queen City Brick & Tile Co.
WESTPORT—Westport Paving Brick Co.

### MICHIGAN.

DETROIT—Little Chas. H. Co., Dock River Rouge
Puritan Brick & Tile Co., Farewell bldg
SAGINAW—*Saginaw Paving Brick Co.

### MINNESOTA.

COON CREEK — Hydraulic-Press Brick Co. ("Hy-tex" Works)
MINNEAPOLIS — Hydraulic-Press Brick Co. ("Hy-tex"), Builders Exchange
Minneapolis Paving & Cement Brick Mfg. Co.

### MISSOURI.

DIAMOND — Hydraulic-Press Brick Co. ("Hy-tex" Works)
KANSAS CITY—Buffalo Brick Co.
Hydaulic-Press Brick Co. ("Hy-tex"), Rialto bldg
ST. LOUIS—Alton Brick Co., Chemical bldg
Hydraulic-Press Brick Co. ("Hy-tex")
Ittner Anthony Brick Co., Odd Fellows bldg.

### MONTANA.

HELENA—*Western Clay Mfg. Co.

### NEW JERSEY.

MORRISTOWN—Hanover Brick Co.
SOUTH RIVER—Pettit & Co

### NEW YORK.

BINGHAMTON—*Binghamton Brick Co.
*Binghamton Paving Block Co.
CORNING—*Brick, Terra Cotta & Tile Co.
JAMESTOWN—*Jamestown Shale Paving Brick Co.
MECHANICSVILLE—Cary Brick Co.
Champlain Brick Co.
OLEAN—*Sterling Brick Co.

### NORTH CAROLINA.

ELIZABETH CITY—Elizabeth City Brick Co.

### NORTH DAKOTA.

DICKINSON—Dickinson Fire & Press Brick Co.
GRAND FORKS—Red River Valley Brick Corp.

### OHIO.

AKRON—Akron Vitrified Clay Mfg. Co.
American Sewer Pipe Co.
Windsor Brick Co.
ALLIANCE—*Alliance Brick Co.
Alliance Clay Product Co.
ASHTABULA—*Burton Townsend Co.
ATHENS—Athens Brick Co.
CANTON—Belden Brick Co.
Big Four Clay Co.
Lincoln Paving Block Co.
*Metropolitan Paving Brick Co. (Daily Capacity, 1,000,000)
CINCINNATI—Harris Brick Co.
CLEVELAND—*Cleveland Brick & Clay Co., B of L E bldg
*Medal Paving Brick Co., Swetland bldg
Newburgh Brick & Clay Co., Engineers bldg
Standard Brick Co., Valley rd
*Valley Shale Brick Co.
COLUMBUS—Hocking Valley Brick Co.
CONNEAUT—*Dunn Wire-Cut-Lug Brick Co. (Wire-Cut-Lug)
United Brick Co.
GLENWOOD—*Noble Brick Co.
LISBON—Excelsior Fire Clay Co.
LOGAN—*Logan Clay Product Co.
LOUISVILLE—Louisville Brick & Tile Co.
MARIETTA—Cisler Thomas & Co.
MASSILLON—*Massillon Brick Co.
*Massillon Stone & Fire Brick Co.
MIDDLEPORT—*Middleport Brick Co.
MINERAL CITY—Federal Clay Product Co.
MOGADORE—Granite Clay Co.
NELSONVILLE—*Nelsonville Brick Co. (Annual Capacity, 12,000,000)
NEW COMERSTOWN—Novelty Brick & Coal Co.
NORTH INDUSTRY—Starkey Jno.
OSNABURG—Stark Brick Co.
PORTSMOUTH—Carlyle Paving Brick Co.
*Peebles Paving Brick Co.
Portsmouth Paving Brick Co.
SCIOTOVILLE — Scioto Firebrick Co. ("Union")
TOLEDO—Enamel Vitrified Brick Co., 1348 Nicholes bldg
TRIMBLE—Trimble Paving Brick Co.
TORONTO—Toronto Fire Clay Co.
UHRICHSVILLE—Advance Fire Clay Co.
Buckeye Fireclay Co.
WICKLIFFE—*Kline Jno. Brick Co. ("Buckeye," Capacity, 5,000,000)
WOOSTER—Wooster Shale Brick Co.
ZANESVILLE—Harris Brick Co.

### OKLAHOMA.

BARTLESVILLE — *Bartlesville Vitrified Brick Co.
ENID—Enid Vitrified Brick & Tile Co.
MUSKOGEE—Muskogee Vitrified Brick Co.
PAWHUSKA—*Pawhuska Vitrified Brick & Tile Co.
TULSA—Tulsa Vitrified Brick & Tile Co.

### PENNSYLVANIA.

AUBURN—*Auburn Shale Brick Co.
BRADFORD—*Tuna Valley Pressed Brick Co.
BRIDGEVILLE—Mayer C. P. Brick Co.
CLEARFIELD—*Clearfield Clay Working Co.
*Clearfield Brick Mfg. Co.
*Paterson Clay Products Co.
CONNELLSVILLE—Soisson Jos. Fire Brick Co.
CORRY—Corry Brick & Tile Co.
DUBOIS—Dubois Clay Mfg. Co.
FREEPORT—Freeport Clay Products & Mineral Co.
GREENSBURG—United Brick Co.
JOHNSTOWN—Haws A. J. & Sons
KITTANNING—Kittanning Brick & Fire Clay Co.
Kittanning Clay Mfg. Co.
KUSHEQUA—*Kushequa Brick Co.
LATROBE—*Latrobe Brick Co.
LOCK HAVEN—Queen's Run Fire Brick Co.
McKEESPORT—*Layton Fire Clay Co.
MEYERSDALE—*Savage Fire Brick Co.
NEW BRIGHTON—Fallston Fire Clay Co.
Smith A. F. Co.
OSCEOLA MILLS—Osceola Silica & Fire Brick Co.
PATTON—Good Geo. S. Fire Brick Co.
Patton Clay Mfg. Co.
PHILADELPHIA — Hamburg Vitrified Brick Co., 20th & Sedgley. Works, Hamburg, Pa.
McAvoy Vitrified Brick Co, 1345 Arch
*Mack Mfg. Co., Lincoln bldg
Clydesdale Brick & Stone Co., Oliver bldg

PENNSYLVANIA—continued
PITTSBURGH—Fallston Fire Clay Co., Oliver bldg
Manown Mfg. Co., Oliver bldg
Mayer C. P. Brick Co., Washington & State
Penna Clay Co., 421 Wood
Standard Fire Brick Co., Diamond Bank bldg
West Virginia Fire Clay Mfg. Co., Diamond Bank bldg
READING—*Glen-Gery Shale Brick Co.
Reading Shale Brick Co.
REYNOLDSVILLE—*Reynoldsville Brick & Tile Co.
SHAWMUT—Shawmut Vitrified Paving Brick Wks. (& Blocks)
SCRANTON—*Stipp Peter & Sons
SHARON—*Sharon Clay Products Co.
WATSONTOWN—*Watsontown Brick Co.
WAYNESBORO—*Waynesboro Brick & Supply Co.

TENNESSEE.

CHATTANOOGA—Southern Clay Mfg. Co.
KNOXVILLE—Knoxville Brick Co.

TEXAS.

ATHENS—Athens Brick & Tile Co.
AUSTIN—Butler Brick Works
SAN ANTONIA—Mackey Brick & Tile Mfg. Co.
THURBER—Texas & Pacific Coal & Oil Co.

UTAH.

SALT LAKE CITY—*Salt Lake Pressed Brick Co.

WASHINGTON.

SEATTLE—Denny-Renton Clay & Coal Co
Seattle Brick & Tile Co.
SPOKANE—American Fire Brick Co.
*Washington Brick, Lime & Sewer Pipe Co.

WEST VIRGINIA.

CLARKSBURG—Thornton Fire Brick Co.
FAIRMOUNT—Hammond Fire Brick Co.
NEW CUMBERLAND—Acme Fire Clay Works
*Mack Mfg. Co.

WISCONSIN.

MILWAUKEE—Burnham Bros. Brick Co. 8 Wisconsin

## 1467—Brick (Welding Furnace)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Thomas Moulding Brick Co., 1203 Chamber of Commerce, Chicago, Ill.

## 1468— Brick (White)

Chestnut Ridge White Brick Co., 7 W 45th, New York
Fiske & Co. (Also Ornamental), 25 Arch, Boston, Mass.
Hydraulic-Press Brick Co. ("Hy-tex"), Central Nat Bank bldg, St. Louis, Mo.
Sayre & Fisher Co. (Also Ornamental), 261 B'way, New York
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

## 1469— Brick (Wire-Cut Lug)

Alton Brick Co., Alton, Ill.
Bradford Pressed Brick Co., Bradford, Pa.
Clinton Paving Brick Co., Clinton, Ind.
Corry Brick & Tile Co., Corry, Pa.
Danville Brick Co., Danville, Ill.
Dunn Wire-Cut Lug Brick Co. (Patentees), Conneaut, O.
Kushequa Brick Co., Kushequa, Pa.
Medal Paving Brick Co., Swetland bldg, Cleveland, O.
Patterson Clay Products Co., Clearfield Pa.
Reynoldsville Brick & Tile Co., Reynoldsville, Pa.
Southern Clay Mfg. Co., Chattanooga, Tenn.
Sterling Brick Co., Orlean, N. Y.
United Brick Co., Conneaut, O.
U. S. Sewer Pipe Co., Frick bldg, Pittsburgh, Pa.

## 1469a— Brick (Zinc Surface)

Walsh Fire Clay Products Co., 4070 N Main, St. Louis, Mo.

## Bricklayers

See Contractors, Building & General

## Bridge Builders (Steel)

See firms designated with a Star (*) under Steel Structural Work

## 1470— *Bridge Caissons

See also Caissons, Sheet Iron
Graver Wm., Tank Works, E Chicago, Ind.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 1471— Bridge Foundations

See also Caisson Foundations
Cranford Paving Co., 2620 E N W, Washington, D. C.
Cullen-Friestedt Co., 7 S Dearborn, Chicago, Ill.
Fath Construction Co., 4403 Perkins av, Cleveland, O.
Foundation Co. (Engineers & Contractors, Pneumatic, etc), 233 B'way, New York
Godwin Const. Co., 251 4th av, New York
McArthur Concrete Pile & Foundation Co. (Concrete), 120 B'way, New York
McMullen Arthur, Co., 150 B'way, New York
McMurry J. W. Contracting Co., Sharp bldg, Kansas City, Mo.
Midland Bridge Co., Midland bldg., Kansas City, Mo.
Masters & Mullen Construction Co., Rose bldg, Cleveland, O.
Neuchatel Asphalte Co. (Concrete), 79 Tompkins, New York
O'Rourke Engineering Construction Co., 17 Battery pl, New York
Raymond Concrete Pile Co., 140 Cedar, New York
Rodgers J. C., 271 W 125th, New York
Rust Engineering Co., Farmers Bk. bldg, Pittsburgh, Pa.
Simplex Foundation Co., 3400 Disston, Phila., Pa.
Spearin George B., 90 West, New York
Syracuse Bridge Co. (Concrete, etc), Syracuse, N. Y.

## 1472-3— Bridge Railings

Bayley Wm. Co., Springfield, O.
Belmont Iron Works, 22d & Washington av, Philadelphia, Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
Clopp Geo. B., 3717 Filbert, Philadelphia, Pa.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Eastern Bridge & Structural Co., 88 Cushing, Worcester, Mass.
*See adv index at end of book*
Hallman Oliver F., Mont Clare, Pa.
International Steel & Iron Co., Evansville, Ind.
Massillon Bridge & Structural Co., Massillon, O.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Republic Structural Iron Wks. Co., 1360 E 53d, Cleveland, O.
Roanoke Iron Works, Roanoke, Va.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Wager Robert H., 149 B'way, New York
Wisconsin Bridge & Iron Co., North Milwaukee, Wis.

## Bridge Timbers (Creosoted)

See Creosoting Works

## 1474— Bridges (Bascule)

American Bridge Co. (Rolling Lift), 30 Church, New York
Canton Bridge Co., Canton, O.
Case Crane & Engng. Co., Columbus, O.
Fawcus Machine Co., 2818-2828 Smallman, Pittsburg, Pa.
*See adv index at end of book*
King Bridge Co., Cleveland, O.
Lackawanna Bridge Co., Buffalo, N. Y.
**LAKESIDE BRIDGE & STEEL CO.,** North Milwaukee, Wis.
*See adv index at end of book*
Penn Bridge Co., Beaver Falls, Pa.
Scherzer Rolling Lift Bridge Co. (Rolling Lift), Monadnock blk, Chicago, Ill.
Strauss, Bascule Bridge Co., 104 S Michigan av, Chicago, Ill.
**Strobel Steel Construction Co. ("Rall" Bascule),** Monadnock blk, Chicago, Ill.
**TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr, Toledo, O.
*See adv index at end of book*
**Wisconsin Bridge & Iron Co., North Milwaukee, Wis.**

## 1475— Bridges (Catenary)

Archbold-Brady Co. (For electric Railways,) Syracuse, N. Y.

## 1476-7—Bridges Coal & Ore Handling

See also Coal Storage Plant Construction
American Bridge Co., 30 Church, New York
Bergen Point Iron Works, Bayonne, N. J.
**CHICAGO BRIDGE & IRON WORKS,** 1319 105th, Chicago, Ill.
*For branch offices see adv index at end of book*
Cornwall Mfg. Co. (Automobile), Penobscot av, Cleveland, O.
Link-Belt Co., 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Philadelphia, Pa.
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York
*See adv index at end of book*
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*

## Bridges (Rolling Lift)

See Bridges, Bascule

## Bridges (Steel, Designers & Erectors)

See Firms in Steel Structural Work, marked with a (*) Star

## 1478— Bridges (Steel Girder)

See also Firms in Steel Structural Work, indicated by a (*) Star
American Bridge Co, 30 Church, New York
Case Crane & Engng Co., Columbus, O.
Central States Bridge Co., 601 Beecher, Indianapolis, Ind.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Eastern Bridge & Structural Co., 88 Cushing, Worcester, Mass.
*See adv index at end of book*
Good Roads Machinery Co (With Gas Pipe Railings), Kennett Square, Pa.
Independent Bridge Co., May bldg, Pittsburgh, Pa.
International Steel & Iron Co., Evansville, Ind.
King Bridge Co., Cleveland, O.
Kratzer W. N. Co., 3212 Smallman, Pittsburgh, Pa.
Lackawanna Bridge Co., Buffalo, N. Y.
Lakeside Bridge & Steel Co., N. Milwaukee, Wis. *See adv index at end of book*
**Lucius Engineering Co., Hartje Bldg.,** Pittsburgh, Pa
Luken Steel Co., Cratesville, Pa.
McClintic-Marshall Construction Company, Oliver bldg, Pittsburgh, Pa.
Massillon Bridge & Structural Co., Massillon, Ohio
Missouri Valley Bridge & Iron Co., Leavenworth, Kans.
**PITTSBURGH-DES MOINES STEEL CO.** (Steel Girders), 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*

**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*
**TOLEDO BRIDGE & CRANE CO.**, 2500 Dorr, Toledo, O.
*See adv index at end of book*
Wisconsin Bridge & Iron Co., North Milwaukee, Wis.
Worden-Allen Co., Pt. Washington rd, Milwaukee, Wis.

## 1478a— *Bridges (Violin)

Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*

## Brimstone

See Sulphur & Brimstone

## 1479— Bristles

Abeel Addison J., 181 Pearl, New York
American Trading Co., 25 Broad, New York
Amerman & Patterson (Imported), 21 State, New York
Ayres Bridges & Co. (Imp), 200 Summer, Boston, Mass.
Broverman Morris & Son (Imp), 100 Maiden la, New York
Caplan S. & Co. (Imp), 80 Pine, New York
Chesnutt Cooper & Co. (Imp), 100 William, New York
Cone Fred H. & Co. (Importer), 181 Front, New York
Conheim Herman, 70½ Pine, New York
Cudahy Packing Co., 111 W Monroe, Chicago, Ill.
Eaton, Schleich & Woll, 97 Maiden lane, New York
Fearon Brown Co. (Imp), 96 Wall, New York
Frost & Cundill, Inc. (Imp), 60 Wall, New York
Hamburger H. (Imported), 86 John, New York
Hartmann Pacific Co., Inc. (Imp.), 80 Wall, New York
Huesmann & Co. (Importers), 47 Cliff, New York
Klebansky Wolf, 246 S 3rd, Phila., Pa.
Norden A. & Co. (Imp), 60 Beaver, New York
Nositzer Barnet, 307 Pearl, New York
Paxon J. W. Co., 1021 N. Delaware av, Philadelphia, Pa.
Polack Co. (Imp), 249 Pearl, New York
Rosenhirsch H. Co., 10 Goddard, Providence, R. I.
Schenkler Philip, 17 Burling sl, New York
Simmons Thos. W. & Co. (Imp.), 240 California, San Francisco, Cal.
Topper & Edelmann, 525 Stone av, Brooklyn, N. Y.
VonStade F. W., 73 Beekman, New York
Wilkens Wm. Co., Frederick av & Wilkens, Baltimore, Md.
Woll Peter & Sons Mfg. Co., Mascher & Berks, Phila., Pa.
Zeidman Co., 3109 S. Robinson, Chicago, Ill.

## 1480-1— Britannia Ware Mfrs.

See also Silverware

International Silver Co., Meriden, Conn.
Manning, Bowman & Co., Meriden, Conn.
Pia Peter F., 129 White, New York
Prisk Wm. M. & Sons Mfg. Co., Yatesville, Conn.

## 1482— Broaches (Push)

Spicer Mfg. Co., South Plainfield, N. J.

## 1483— Broilers

Andrews Wire & Iron Wire Works (Wire), Rockford, Ill.
**AUTOMATIC WIRE GOODS MFG. CO.** (Wire), 13-15 Canal pl., New York
*See adv index at end of book*
Bramhall-Deane Co., 261 W 36th, New York
Central Stamping Co. ("Puritan"), 172 Fulton, New York
Dangler Stove Co., 5017 Perkins av, Cleveland, O.
Darby Edw. & Sons Co. (Wire), 412 N 18th, Phila., Pa.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Haslet Flanagan & Co., 116 N 2nd, Phila., Pa.
Lalance & Grosjean Mfg. Co. (Wire), 299 B'way, New York
Meek Oven Mfg. Co. ("Meek," Hotel Gas Broiler), Newburyport, Mass.
Miller Wm. Range & Furnace Co. (Charcoal, Coke, Sheet Steel), 125 E 5th, Cincinnati O.
National Enameling & Stamping Co. (Sheet Steel & Wire), 411 5th av, New York
Parker Wire Goods Co. (Wire, All Kinds), Worcester, Mass.
Reliable Stove Co., 1787 E 40th, Cleveland, O.
Sexton S. B. Stove & Mfg. Co., 500 Block W, Conway, Baltimore, Md.
Stover Mfg. & Engine Co. (Cast Iron Metal), Freeport, Ill.
United Steel & Wire Co., Battle Creek, Mich.
Watkins J. Y. & Son, 20 Catharine, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co. (Wire), Worcester, Mass.
Wire Hardware Co. (Wire), 6126 S La Salle, Chicago, Ill.

## 1484— Broilers (Electric)

American Electrical Heater Co., Detroit, Mich.
Simplex Electric-Heating Co. ("Simplex") Cambridge, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## Broilers (Gas)

See Stoves, Heaters & Ranges, Gas

## 1484a— *Brokers (Ship)

Page & Jones, Mobile, Ala.
*See adv index at end of book*

## 1485— Bromine

Dickinson J. Q. & Co. ("Kanawha"), Malden, W. Va.
Dow Chemical Co., Midland, Mich.
Pomeroy Chemical Co., Pomeroy, O.

## 1485a— Bromoform

Dow Chemical Co. (U. S. P.), Midland, Mich.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl. New York

## 1486—Bronze Angles, Channels, Etc.

American Brass Co., Waterbury, Conn.
*For branch offices see adv index at end of book*

## 1487—Bronze (Architectural & Ornamental)

American Art Bronze Foundry, 4921 W Lake, Chicago, Ill.
Anchor Post Iron Works (Railings) 167 B'way, New York
*See adv index at end of book*
Armor Bronze Co. (Decorative), 266 5th av, New York
Art Brass & Iron Works, Forest & Ellery, Detroit, Mich.
**ART METAL CONSTRUCTION CO.**, Jamestown, N. Y.
*See adv index at end of book*
Barshal Equipment Co., 2031 Euclid av, Cleveland, O.
Bayer, Gardner-Himes Co., 101 Park av, N. Y.
Biddle-Gaumer Co., 3846 Lancaster av, Phila., Pa.
Biggin, Charles P. Co., 1829 Harlan, Phila., Pa.
Black & Boyd Mfg. Co., 432 E 23d, New York
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Builders Iron Works Co., St. Paul, Minn.
Bureau Bros., 23d & Westmoreland, Phila., Pa.
Burkhardt John, 531 W 55th, New York
Cabaret Paul E. & Co., 126 11th av, New York
California Artistic Metal & Wire Co. (Doors & Railings), 349 7th av, San Francisco, Cal.
Campbell Architectural Iron Co., Albany, N. Y.
Chippewa Bronze Co., 1469 E 118th, Cleveland, O.
Cincinnati Mfg. Co., Cincinnati, O.
Cleveland Art Metal Co., 3620 Superior, Cleveland, O.
Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Columbus Brass Co. (Brass & Bronze Door & Window Guard, etc.), 538 Dublin av, Columbus, O.
*See adv index at end of book*
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Detroit Mausoleum Equipment Works, 175 W Fort, Detroit, Mich.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Federal Brass & Bronze Co., Ridge, Astoria, Borough of Queens, N. Y.
Feely W. J. Co., 169 S Angell, Providence, R. I.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Gorham Co. Arch'l Bronze (Bank Work a Specialty), 5th av & 36th, New York. Works, Providence, R. I.
Guerin P. E. (Inc.), 21 Jane, New York
Halback, C. E. & Co., 23 E. 26th, New York
Harsch John, Bronze & Foundry Co., Madison av, Cleveland, O.
**HEATH J. S. Co.**, Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*

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**Chicago, Ill.**

**Designers, Moulders and Founders of Architectural Bronze for Banks, Mausoleums, Etc.**

**BRONZE TABLETS** **HONOR ROLLS**

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BRONZE (ARCHITECTURAL, ETC.)—continued

Hecla Iron Works, 118 N. 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co., 20 Exchange pl, New York
Herzog Iron Works, St. Paul, Minn.
Ideal-Die Casting Co., 756 Eddy, Providence, R. I.
Jackson Wm. H. Company, 2 W 47th, New York.
Janusch Mfg. Co., 496 E 134th, New York
Keystone Ornamental Iron & Bronze Wks. (Also Brass), 830 Howard, San Francisco, Cal.
Klaber S. & Co., 21 W 39th, New York
Lane Thos. Co., Farmers' Bank bldg, Pittsburgh, Pa.
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
**McGANN T. F. & SONS CO.**, 117 Portland. Boston, Mass.
*See adv index at end of book*

**T.F. McGANN & SONS CO.**
117 Portland St. BOSTON, MASS.
Bronze Doors For
Banks and Mausoleums
Bank Grilles and Rails
Bronze Tablets
Bronze Lamps

McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Mansfield Steel Corp., 288 Milwaukee av, E. Detroit, Mich.
Manton & Smith Co., 1709 W Austin av, Chicago, Ill.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Michael's Art Bronze Co., Covington, Ky.
Midland Metal Co., 21st & Jefferson, Phila., Pa.
Mills Wm. J. (Doors, etc), 198 Roebling,
Mills Wm. J. (Doors, etc), 25 Bainbridge,
Mott J. L. Iron Works, Trenton, N. J.
National Art Bronze Wks. Co., Pope & Carrie avs, St. Louis, Mo.
**NEWMAN MFG. CO.**, 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Penn Brass & Bronze Works, 111 Dobbin, Brooklyn, N. Y.
Plocher Andrew, Sons Co., Dayton, O.
Polachek John Bronze & Iron Co., 480 Hancock, Long Island City, N. Y.
Richey Browne & Donald, Flushing av, Maspeth, N. Y.
Roman Bronze Works ("Cire-Perdue" Process), 275 Greene, Brooklyn, N. Y.
Rudgear-Merle Co., 198 Bay, San Francisco, Cal.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Sterling Bronze Co., 16 E 40th, New York
Stolz Jos. & Son, Inc., 841 E 136th, New York
Sullivan-Korber Co., 2437 W 21st pl, Chicago, Ill.
Superb Bronze & Iron Co., 254 Park av, Brooklyn, N. Y.
Tiffany Studios, 361 Madison av, New York
Tuttle & Bailey Mfg. Co., 52 Vanderbilt av, New York
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Union Metal Mfg. Co., Canton, O.
Wells Architectural Iron Co., River av & 151st, New York
Williams Jno., Inc., 556 W 27th, New York
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.
Wisconsin Iron & Wire Works, North Milwaukee, Wis.

## 1488— Bronze Doors

American Art Metal Wks., 13 Grace, San Francisco, Cal.
Art Brass & Wire Works, Forest & Ellery, Detroit, Mich.
Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Bureau Bros., 23d & Westmoreland, Phila., Pa.
Burkhardt John, 531 W 55th, New York
Cabaret Paul E. & Co., 126 11th av, New York
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Cal. Fire Proof Door Co. ("Wilcox"), 1931 S, Los Angeles, Cal.
Chippewa Bronze Co., 1469 E 118th, Cleveland, O.
Cincinnati Mfg. Co., Cincinnati, O.
Coleman Adelbert E. (Architectural, etc), 336 W 37th, Chicago, Ill.
**DAHLSTROM METALLIC DOOR CO.** (For Entrances to office bldgs. & Stations; any design, hollow metal), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Detroit Mausoleum Equipment Works, 175 W Fort, Detroit, Mich.
Ellison Brass Mfg. Co. (Mausoleum, Doors & Windows), Jamestown, N. Y.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Feeley W. J. Co. (Altar), 169 S Angell, Providence, R. I.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Gorham Co. Arch'l Bronze (Cast & Plate), 5th av & 36th, New York. Works: Providence, R. I.
Guerin P. E., 21 Jane, New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co., 20 Exchange pl, New York
Imperial Brass Mfg. Co. (Mausoleum), 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
Jackson Wm. H. Company, 2 W 47th, New York
Janusch Mfg. Co., 496 E 134th, New York
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
**McGANN T. F. & SONS CO.** (Bank & Mausoleum), 117 Portland, Boston, Mass. *See adv index at end of book*
Mansfield Steel Corp., 288 Milwaukee av, E. Detroit, Mich.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Mills W. J., 25 Bainbridge, Brooklyn, N. Y.
Mott J. L. Iron Works, Trenton, N. J.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Penn. Brass & Bronze Works, 111 Dobbin, Brooklyn, N. Y.
Richey Browne & Donald, Flushing av, Maspeth, N. Y.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Steelite Co., 1902 W 77th, Cleveland, O.
Superb Bronze & Iron Co., 254 Park av, Brooklyn, N. Y.
Tiffany Studios, 361 Madison Av, New York
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Williams Jno., Inc., 556 W 27th, New York
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.
Wisconsin Iron & Wire Works, North Milwaukee, Wis.

## 1489— *Bronze Entrances

**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*

## 1490-1—Bronze Founders (Architectural)

See also Castings, Bronze

American Art Bronze Foundry, 4921 W Lake, Chicago, Ill.
Bureau Bros., 23d & Westmoreland, Phila., Pa.
Cabaret Paul E. & Co., 126 11th av, New York
Chippewa Bronze Co., 1469 E 118th, Cleveland, O.
Cincinnati Mfg. Co., Cincinnati, O.
Detroit Mausoleum Equipment Works, 175 W. Fort, Detroit, Mich.
Feeley W. J. Co., 169 S Angell, Providence, R. I.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
**GORHAM CO. ARCH'L BRONZE**, 5th av & 36th, New York. Works: Providence, R. I.
**HEATH J. S. CO.**, Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co., 20 Exchange pl, New York
Jackson Wm. H. Company, 2 W 47th, New York
Janusch Mfg. Co., 496 E 134th, New York
Johnson Service Co., 149 Michigan, Milwaukee, Wis.
Klaber S. & Co., 21 W 39th, New York
**McGann T. F. & SONS CO.**, 117 Portland, Boston, Mass.
*See adv index at end of book*
Manhattan Brass Co., 332 E 28th, New York
Meneely & Co., Watervliet, N. Y.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Mills W. J., 25 Bainbridge, Brooklyn, N. Y.
New Brunswick Iron Works, New Brunswick, N. J.
**NEWMAN MFG. CO.**, 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Roessing Bronze Co., Etna, Pa.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Tiffany Studios, 361 Madison av, New York
Williams John, Inc., 556 W 27th, New York

## Bronze Lamps

See Lamps, Artistic Bronze & Wrought Iron

## Bronze Letters for Building Fronts

See Bronze Tablets, etc

## 1492— Bronze (Manganese)

See also Castings, Manganese Bronze

**Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.**
American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Brady Brass Co., 170 14th, Jersey City, N. J.
Columbian Bronze Corp., 522 5th av, New York.
**Cramp Wm. & Sons Ship & Engine Building Co. ("Parsons"), Beach & Ball, Phila., Pa.**

**MICHIGAN SMELTING & REFINING CO.**
1695 Jos. Campau, Detroit, Mich.

Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
North Am. Copper Co., 52 Vanderbilt av, New York
Titanum Bronze Co., Inc., Niagara Falls, N. Y.
Taunton-New Bedford Copper Co., Taunton, Mass.

## 1493—Bronze Monuments, Statuary, Urns, Etc.

Bureau Bros., 23d & Westmoreland, Phila., Pa.
**Cabaret Paul E. & Co, 126 11th av, New York**
**Chypena Bronze Co., 1469 E 118th, Cleveland, O.**
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
**Henry-Bonnard Bronze Co., 20 Exchange pl, New York**

Jackson Wm. H. Company, 2 W 47th, New York
Kronheimer & Oldenbusch Co., 362 5th av, New York
**McGANN T. F. & SONS CO.** (Cire-Perdue-Process), 117 Portland, Boston, Mass.
*See adv index at end of book*

**T. F. McGann & Sons Co.**
**117 Portland Street Boston, Mass.**
**BRONZE FOUNDERS OF**
Monuments, Statuary, Busts, Bas-Reliefs, Urns, Sarcophagi, Fountains and Tablets

Parker Charles Co. (Cremation Urns), Meriden, Conn.
Roman Bronze Works ("Cire-Perdue" Process), 275 Greene, Brooklyn, N. Y.
Tiffany Studios, 361 Madison av, New York
Williams Jno., Inc., 556 W 27th, New York
Wisconsin Iron & Wire Works (Crematory Urns), Milwaukee, Wis.

## 1494— Bronze Powders

Aluminum Co. of America (Aluminum Only), Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
American Bronze Powder Mfg. Co., 16 Warren, New York. Works: Verona, N. J.
Arnstein Eugene, 45 W 26th, Chicago, Ill.
Ault & Wiborg Co., Cincinnati, O.
Barrett M. L. & Co., 233 W Lake, Chicago, Ill.
Baer Bros., 438 W 37th, New York
Benda Geo, Inc ("Bendalin"), 112 E 19th, New York
**BINSWANGER B. & CO.,** 329 N 3d, Phila., Pa.
Bronze Powder Works Co., Elizabeth, N. J.
Chicago Bronze Co. (Imp), 110 W Lake, Chicago, Ill.
Corbett M. J. & Co. (Imported), 24 State, New York
**DEVOE & RAYNOLDS CO., INC.,** 101 Fulton, New York
*See adv index at end of book*
Downing R. F. & Co. (Imported), 45 Pearl, New York
Drakenfeld B. F. & Co. ("Globe," Imp), 50 Murray, New York
Du Pont Chemical Works, Wilmington, Del.
Ehrmann Ludwig (Importers), 288 Bowery, New York
French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.
Frost & Cundill, Inc. (Imp. of Japan), 60 Wall, New York
Fuchs & Lang Mfg. Co., 119 W 40th, New York
German-American Bronze Powder Mfg. Co. (Imp), 38 W 32d, New York
Gerstendorfer Bros., 221 E 42d, New York
Gemmerdinger L. & Co., 438 E 123d, New York
Hommel O. Co., Hope & Maple, Pittsburgh, Pa.
Horn A. C. Co., Horn bldg, Long Island City, N. Y.
Illinois Bronze Powder Co. (Importers), 162 W Randolph, Chicago, Ill.
Kemp W. H. Co., 165 Spring, New York
Lawrence W. W. & Co., Pittsburgh, Pa.
Morrill Geo. H. Co., Norwood, Mass.
Omeroy & Fischer, 95 Madison av, New York
Rauskolb Fred W. Co., 103 Arch, Boston, Mass.
Riessner T. (Imp), Gold & Ann, New York
Rosenbush & Solomon, 23 S Desplains, Chicago, Ill.
Sartorius A. & Co. ("Crescent"), 57 Murray, New York
Schlegel Oscar Mfg. Co. (Aluminum, Gold, Bronze & Liquid), 124 E 13th, New York
Schultz's Michael Sons, 152 E Houston, New York
Seligman Arthur (Imp), 165 B'way, New York
Siebold J. H. & G. B. (Imp), 21 W Houston, New York
Thompson R. R., 90 West, New York
Thurston F. W. Co. (Imported), 1832 S Clark, Chicago, Ill.
Uhlfelder Leo Co., 133 W 14th, New York
United States Bronze & Powder Works, Inc. ("Protoplast," "Sirius," "Bronzolin," also gold and aluminum), 220 W 42d, New York
Wheeler Asahel Co., 58 High, Boston, Mass.

## Bronze Railings

See Bronze, Architectural

## 1495— Bronze Sheet

**AMERICAN BRASS CO.,** Waterbury, Ct.
*For branch offices see adv index at end of book*
American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
**BALTIMORE TUBE CO.,** Wicomico & Ostend, Baltimore, Md.
Cleveland Brass & Copper Mills, Inc., Euclid, O.
Connecticut Brass & Mfg. Corp. (Thin Gauge), Waterbury, Conn.
Detroit Copper & Brass Rolling Mills, Clark av, nr. Wabash RR, Detroit, Mich.
Gardner B. M. Co., Guardian bldg, Cleveland, O.
Michigan Copper & Brass Co., 1611 W Jefferson av, Detroit, Mich.
**NEW ENGLAND BRASS CO.,** (Commercial), Taunton, Mass.
North Am. Copper Co., 52 Vanderbilt av, New York
Randolph-Clowes Co., Waterbury, Conn.
Riverside Metal Co., Riverside, N. J.
Rome Brass & Copper Co., Rome, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*
Seymour Mfg. Co., Seymour, Conn.
Somers Co., Inc. (Thin Gage), Waterbury, Conn.
Titan Metal Co. (Hot or Cold Rolled), Bellefonte, Pa.

## 1495a— Bronze (Sillmans Apex Aluminum)

Michigan Smelting & Refining Co., Detroit, Mich. *See adv index at end of book*

## 1496— Bronze Tablets, Etc.

Art Brass & Wire Works, Forest & Ellery, Detroit, Mich.
Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Atlas Brass Foundry 155 A. S., Boston, Mass.
Barshal Steel Equipment Co., 2031 Euclid av, Cleveland, O.
Bennett F. L. & Co., Rochester, N. Y.
Biggin Charles P. Co., 1829 Harlan, Phila., Pa.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brass Fdy. Co., Peoria, Ill.
Bureau Bros., 23d & Westmoreland, Phila., Pa.
Cabaret Paul E. & Co, 126 11th av, New York
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Chypena Bronze Co., 1469 E 118th, Cleveland, O.
Cincinnati Mfg. Co., Cincinnati, O.
Coleman Adelbert E., 336 W. 37th, Chicago, Ill.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Daprato Statuary Co. (Memorial), 766 W Adams, Chicago, Ill.
*See adv index at end of book*
Detroit Mausoleum Equipment Works, 175 W. Fort, Detroit, Mich.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Feeley W. J. Co., 169 S Angell, Providence, R. I.
**FISKE J. W. IRON WORKS,** 111 Park pl, New York
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
**GORHAM CO. ARCH'L BRONZE,** 5th av & 36th, New York; Works: Providence, R. I.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heath J. S. Co. (Honor Rolls & Memorials), Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Henry-Bonnard Bronze Co., 20 Exchange pl, New York.
Herzog Iron Works, St. Paul, Minn.
Highton Wm. & Sons Co., Nashua, N. H.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
Inglis Wm. Wire & Iron Works, 61 Woodbridge, Detroit, Mich.
Jackson Wm. H. Company, 2 W 47th, New York
Janusch Mfg. Co., 496 E 134th, New York
Johnson-Meier Co. (Mfrs.), 155 Wendell, Chicago, Ill.
Johnson Service Co., 153 Michigan, Milwaukee, Wis.
Lamb J. & R., 25 6th av, New York
Lane Thos. Co., Farmers Bank bldg., Pittsburgh, Pa.
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.,
McCafferty J. H. Co., 434 Harrison av, Boston, Mass.
**McGANN T. P & SONS CO.,** 117 Portland, Boston, Mass.
*See adv index at end of book*
Manton & Smith Co., 1709 W Austin av, Chicago, Ill.

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***Foundries at Somerville, Mass.***

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**Meyers Fred J. Mfg. Co., Hamilton, O.**
*See adv index at end of book*
Mills W. J., 198 Roebling, Brooklyn, N. Y.
Mott J. L. Iron Works, Trenton, N. J.
**NEWMAN MFG. CO.** (Brass & Bronze), 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill.
*See adv index at end of book*
Pathie Wm. Co., Worcester, Mass.
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Rome Bronze Co., Rome, N. Y.
Russell Albert & Sons Co., Newburyport, Mass.
St. Louis Brass Mfg. Co., Jefferson & Washington, St. Louis, Mo.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Sterling Bronze Co., 16 E 40th, New York
Tiffany Studios, 361 Madison av, New York
Turner Brass Works, Sycamore, Ill.
Tuttle & Bailey Mfg. Co. (Also Brass), 52 Vanderbilt av, New York
**TYLER W. S. CO.,** Cleveland, Ohio, & 200 5th av, New York.
*See adv index at end of book*
United Ornamental Iron Works, 189 W Madison, Chicago, Ill.
Wells Architectural Iron Co., River av & 151st, New York
Williams Jno., Inc., 556 W 27th, New York
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.
Wisconsin Iron & Wire Works, Milwaukee, Wis.
Wood-Detroit Mfg. Co. (Memorial), Marquet bldg, Detroit, Mich.

## 1496a— Bronze (Titan)

Titan Metal Co., Bellefonte, Pa.

## 1497— *Bronze (Tobin)

**AMERICAN BRASS CO.** (Sheets & Rods), Waterbury, Conn.
*For branch offices see adv index at end of book*
**MERCHANT & EVANS CO.**, Washington av & 21st, Phila., Pa.
*See adv index at end of book*

## 1498— Bronze (White)

**Lissberger, Marks & Son** ("Emelansic"), 281 Borden av, Long Island City, New York
McLaughlin's Sons Co., 230 N 12th, B'klyn, N. Y.

**MICHIGAN SMELTING & REFINING CO.**

1695 Jos. Campau, Detroit, Mich.
**Pittsburgh White Metal Co., 3116 Penn** av., Pittsburgh, Pa.

## 1498a—Bronze Work (Every Description)

**GORHAM CO. ARCHITECTURAL BRONZE,** 5th av & 36th, New York
Stolz Jos. & Sons, Inc., 841 E 136th, New York

## 1499— Bronzing Liquids

**Acme White Lead & Color Works, St. Aubin av & M. C. R. R., Detroit, Mich.**
**Baer Bros.,** 438 W 37th, New York
**Barrett M. L. & Co., 233 W Lake, Chicago, Ill.**
**Bronze Powder Works Co., Elizabeth, N. J.**
Celluloid Zapon Co., Inc. ("Zapon"), 200 5th av, New York
*See adv index at end of book*
**De Bar Co., 1 State, New York.**
*See adv index at end of book*

**THE DE BAR CO.**
1 State Street New York City
**BRONZING LIQUIDS**

Du Pont Chemical Works, Wilmington, Del.
Durlacque Mfg. Co., 1311 Chestnut, St. Louis, Mo.
**French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.**
Glidden Co., Madison av & Berea rd, Cleveland, O.
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Hommel O. Co., Hope & Maple, **Pittsburgh, Pa.**
Lawrence W. W. & Co., **Pittsburgh, Pa.**
**Lucas John & Co., 322 Race, Philadelphia,** Pa.
**Opal Chemical Co., Kenilworth, N. J.**
Schlegel Oscar Mfg. Co., 124 E 13th, New York
Sherwin-Williams Co., Cleveland, O.
Thurston F. W. Co., 1832 S **Clark, Chicago,** Ill.
United States Bronze & Powder Wks., Inc. ("Protoplast," "Sirius," "Bronzolin"), 220 W 42nd, New York

## 1500— Brooms (Bamboo)

Indianapolis Brush & Broom Mfg. Co. ("Capital" Red Cap Fibre or Bamboo), 26 Brush, Indianapolis, Ind.
Lay Jos. Co., Ridgeville, Ind.
Manhattan Brush Mfg. Co., 629 E 16th, New York
Mass. Commission for the Blind, Cambridge, Mass.
Milwaukee Brush Mfg. Co., **Milwaukee,** Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co. (Push, Scrubbing, etc), 5401 E Hamilton, Cleveland, O.
*See adv index at end of book*
Ox Fibre Brush Co., Frederick, Md.
Richmond Broom Co., Richmond, Va.

## 1501— Brooms (Bass Fibre)

Bunck John J. & Co., 155 Chambers, New York
Felton D. D. Brush Co., Atlanta, Ga.
Goldblatt H. Tool Co., 213 E 15th, Kansas City, Mo.
Grau Bros., 1662 Central av, Cincinnati, O.
Lay Jos. Co., Ridgeville, Ind.
Mass. Commission for the Blind, Cambridge, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Ox Fibre Brush Co., Frederick, Md.

## 1502— Brooms (Corn)

**Alabama Broom & Mattress Co., Huntsville, Ala.**
American Broom Mfg. Co, Ltd., **Short & Edenburg, New Orleans, La.**
American Broom & Brush Co. (Rattan, Broom Corn), Amsterdam, N. Y.
Amsterdam Broom Co. (Corn), Amsterdam, N. Y.
Anderson Gus., Salina, Kan.
Atlanta Woodenware Co., Atlanta, Ga.
**Atlantic Southwestern Broom Co., 2d & Toone, Baltimore, Md.**
Augusta Broom Works, Augusta, Ga.
Bardall J. C. Co. (Standard, Carpet, Brace, Spiral, Steamboat, Cane, etc), Moundsville, W. Va.
**Beisley David, Wamego, Kan.**
Bookhop F. H. (Floor, Sink, Whisk), 151 38th, Brooklyn, N. Y.
Boyer A. Broom Co., Galesburg, Ill.
Bunck John J. & Co., 155 Chambers, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Cahill Jos. P., 820 W 51st pl, Chicago, Ill.
Caummisar T. C. & Sons, Louisville, Ky.
Central Broom Co., Jefferson City, Mo.
Cleveland Society for the Blind, 2275 E. 55th, Cleveland, O.
Collins Bros., Lawrence, Mass.
Congleton J., New Philadelphia, O.
Conrad John & Co., Everett, Mass.
Cremering Bros., 216 W Pearl, Cincinnati, O.
Cronkrite L. R., Williamsport, Pa.
Culicover M., 41 Fulton, New York
Dean O. M. & Sons, Worcester, Mass.
De Roo P. Sons, Wade & Borton, Cincinnati, O.
Deshler Broom Factory, Deshler, Neb.
Des Moines Broom Co., Des Moines, Ia.
Dobbertin A. C., Rochester, N. Y.
Dudgeon Co., Cane Valley, Ky.
Eaton J. C. & Co., Lydonville, Vt.
Eckhart A. J. Co. ("Sweepwell"), W 74th & Madison, Cleveland, Ohio
Enterprise Broom Works, 321 E. Grand av, Chicago, Ill.
Evans Andrew J., Terre Haute, Ind.
Evans & Liddle, Lockport, N. Y.
Evansville Broom Co., Evansville, Ind.
Fairchild L. C., Greene, N. Y.
Feldmann L. & Co., 417 Montgomery, San Francisco, Cal.
Frankfort Broom Co., Frankfort, Ky.
Fulton H. K., Wilmington, Del.
Gardner Broom Co., Amsterdam, N. Y.
Gerhardt C. (Brewers', Steel Wire), 591 Hudson, N. Y.
Goeller's M. G. Sons (House, Stable, Warehouse, Ceiling, Whisk), Circleville, O.
Griffin Broom Co., Chanute, Kan.
Haisler Bros. Co. (Stable), 740 N Franklin, Chicago, Ill.
Hall C. B., Iola, Kan.
**Halpin Nicholas F., Sr., Deerfield, N. Y.**
Hamburg Broom Works, Hamburg, Pa.
Harrah & Stewart Mfg. Co. ("Little Polly"), Des Moines, Ia.
Hartman Broom Co., Clay Center, Kans.
Hatch E. W. & Son, Union City, Pa.
Hemingway Bros., Stockton, Cal.
Hoag Duster Co. ("Iowa"), Monticello, Ia.
Hodges Broom Works, Atlanta, Ga.
Howard Broom Co., 4437 N Lincoln, Chicago, Ill.
Howard E. D. Broom Co. (Corn, etc), Columbus, O.
Hugel Fred. & Son, Lawrence, Mass.
Imperial Broom Works, 172 N. May, Chicago, Ill.
Imperial Mfg. & Trading Co., 253 B'way, New York
Indianapolis Brush & Broom Mfg. Co. (Corn, Factory, Foundry, Mill, Railroad), 26 Brush, Indianapolis, Ind.
Jacobson-Peterson-Peltz & Kaufer Co., South Bend, Ind.
Kelley M. A. Broom Co., Leavenworth, Kan.
Kelly, Leonard & Forrester Co., Ogdensburg, N. Y.
Kuh Bros., Sioux Falls, S. D.
Lang Broom Co., 2029 Chateau, Pittsburgh, Pa.
Lay Jos. & Co. (Street, Stable, Push), Ridgeville, Ind.
Lee Broom & Duster Co., Davenport, Ia., & Lincoln, Neb.
Libman William, 1229 W Grand av, Chicago, Ill.
Lillie O. E., Hiawatha, Kans.
Lyons John P., 2016 26th av, S, Minneapolis, Minn.
McIntosh & Alberts, 550 W 39th, Chicago, Ill.
Malden Wm. M., Muscatine, Ia.
Manufacturers Broom & Brush Co., Memphis, Tenn.
Manzelmann Chas., 741 Bellevue, Detroit, Mich.
Mass. Commission for the Blind ("Cambridge"), Cambridge, Mass.
Mathieson Thos. P., 2042 Warren av, Chicago, Ill.
Meder Bros., Minneapolis, Minn.
Meese Broom Co., Spokane, Wash.
Memphis Broom & Brush Co., Memphis, Tenn.
Merkle-Wiley Broom Co. (Broom Corn), Paris, Ill.
Metzger Harry, Muscatine, Ia.
Meyer N., Green Bay, Wis.
Miller Broom Co., La Crosse, Wis.
Mohawk Valley Broom Co., Fonda, N. Y.
Montgomery Broom Mfg. Co., Grove City, Pa.
Muckenfuss Mfg. Co., Spartanburg, S. C.
Mulholland Wm., 79 White, New York
Myer-Bridges Co., Louisville, Ky.
National Broom Co. (Brooms & Whisk Brushes), Lockport, N. Y.
New Bremen Broom Co., New Bremen, O.
Neitzel Bros. & Theilmann, Spokane Wash.
Noble Charles H., Thompsonville, Conn.
Noxon Broom Co., Avoca, N. Y.
Olson Broom Co., Sterling, Kan.
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co. (Steel, Snow, Warehouse Corn Wire, Brewes, Chisel Handle Push, Jack, Whisk), 5401 E Hamilton Cleveland, O.
*See adv index at end of book*
Otwell W. E. & Co., Linn, Kans.
Page Broom Co., Lawrence, Mass.
Partin M., Mobile, Ala.
Pauken John Broom Co., Maumee, O.
Phoenix Brush & Mfg. Co. (Steel Wire Street Sweeping), 160 N Wells, Chicago, Ill.
Pioneer Broom Co. (Corn), Amsterdam N. Y.
Pirrung Mfg. Co., 4436 Greenview av, Chicago, Ill.
Plunkett Chas. ("Blue Ribbon"), 20 Duane, New York
Ramseur Broom Works, Ramseur, N. C.
Reading Broom Co., Blandon, Pa.
Richmond Broom Co., Richmond, Va.
Ripple S. A. & Bros., 1208 Ridgely, Baltimore, Md.
Rochester Brush Mfg. Co. (Bass, for House & Factory), Rochester, N. Y.
Rogers Broom Co., Washington, Ind.
Roseboom J. A. & Co., Mattoon, Ill.
Rosengren Ed., Lindsborg, Kans.
Round Rock Broom Co., Round Rock, Tex
Rudy Brown Co., Madisonville, Ky.
Scheninger J. A. & Bros., Syracuse, N. Y
Scoville M. G. Sons Co., Ogden, Utah
Sebastian Bros. Odin, Ill.
Shanaman W. B, Reading, Pa.
Shanaman Bros., Reading, Pa.
Sider Bros., 1245 W 14th pl, Chicago, Ill.
Sider H. & Son, 1311 Blue Island av Chicago, Ill.
Southern Broom Mfg. Co., Atlanta, Ga.
Southwestern Broom Mfg. Co., Evansville Ind.
Spickett Broom Co., Lawrence, Mass.
Stewart A. F., 824 Arcade, St. Paul, Minn
Supple Wm., Topeka, Kans.
Syracuse Broom Co., Syracuse, N. Y.
Tate R. L., Paducah, Ky.
Thompson Leon C., Concord, N. H.
Thompson Hugh Broom Corn Co., 920 W 8th, Kansas City, Mo.
Twitchell-Champlin Co., Portland, Me.
United States Broom & Brush Co. (Brooms and Whisks, 130 N. Wells, Chicago
United States Broom & Duster Co., 181 W 13th, Chicago, Ill.
Urbana Broom Co. (Whisk), Urbana, O.
Van Laak Mfg. Co., 3281 Harrison, San Francisco, Cal.
Ward J. B. & Sons, Paterson, N. J.
Washington Broom & Woodenware Co. Seattle, Wash.

Waterloo Broom Co., Waterloo, Ind.
Wetherbee Geo. C. & Co., 49 Jefferson av, Detroit, Mich.
Weymer A. F. Co. (Whisk), Syracuse, N.Y.
White Valentine Co., Urbana, O.
Whitmyer H., Schenectady, N. Y.
Wichita Falls Broom Mfg. Co., Wichita Falls, Tex.
Windsor Mfg. Co., Windsor, Mo.
Wittemeir's F. Sons, Fort Hunter, N. Y.
Zan Bros., 3546 12th, San Francisco, Cal., & Portland, Ore.

## 1503— Brooms (Floor)

Felton D. D. Brush Co., Atlanta, Ga.
Osborn Mfg. Co. (Fibre, Hair, Mixed Hair, Mixed Bristle, Combination), 5401 E Hamilton av, Cleveland, O.
*See adv index at end of book*

OSBORN BRUSHES & BROOMS

## Brooms (Foundry)

lee Brooms, Push; also Brooms, Steel Wire

## Brooms (Frog & Switch)

See Brooms & Brushes, Track

## 504—Brooms (Metal Bound Mill)

unck John J. & Co., 155 Chambers, New York
elton D. D. Brush Co., Atlanta, Ga.
amburg Broom Works, Hamburg, Pa.
endee C. C. Co., 801 Broadway, Milwaukee, Wis.
dianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
ing Broom Co., 2029 Chateau, Pittsburgh, Pa.
y Jos. Co., Ridgeville, Ind.
ass. Commission for the Blind ("Endurance," "Cambridge"), Cambridge, Mass.
rkle-Wiley Broom Co., Paris, Ill.
ie J. W. Brush Co., Kansas City, Mo.
born Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
chmond Broom Co., Richmond, Va.
ompson, Leon C., Concord, N. H.

## 05— Brooms (Push)

See also Brooms, Street Sweeping
rdall J. C. Co., Moundsville, W. Va.
okhop F. H., 151 38th, Brooklyn, N. Y.
owne F. W. (Wire), Farmington, N. H.
nck Jno. J. & Co., 155 Chambers, New York
ttanooga Broom & Mop Co., Chattanooga, Tenn.
by Edw. & Sons Co. (Wire), 412 N. 18th, Phila., Pa.
on D. D. Brush Co., Atlanta, Ga.
u Bros., 1662 Central av, Cincinnati, O.
sler Bros. Co., 740 N Franklin, Chicago, Ill.
nburg Broom Works, Hamburg, Pa.
dee C. C. Co. (Wire), 801 Broadway, Milwaukee, Wis.
rick P. R. & Co., 3843 W Lake, Chicago, Ill.
omb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
anapolis Brush & Broom Mfg. Co. ("Capital," Rattan, Bamboo, African Bass, Wire, etc), 26 Brush, Indianapolis, Ind.
Broom Co., 2029 Chateau, Pittsburgh, Pa.
Jos. Co. (Bamboo, Rattan, Wire, etc), Ridgeville, Ind.
hattan Brush Mfg. Co., 629 E. 16th, New York
nattan Hickory Broom Co., 171 3d av, New York
le-Wiley Broom Co., Paris, Ill.
aukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
olland Wm., 79 White, New York
J. W. Brush Co., Kansas City, Mo.

Osborn Mfg. Co. (Fibre, Wire, Bamboo, Rattan, Combination, 5401 E Hamilton, Cleveland, O.
*See adv index at end of book*

OSBORN BRUSHES & BROOMS

Ox Fibre Brush Co. ("Ox Fibre"), Frederick, Md.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Thompson Leon C., Concord, N. H.
Universal Brush Co. (Factory & Home), 181 Quincy, Chicago, Ill.

## 1506— Brooms (Rattan)

Bookhop F. H., 151 38th, Brooklyn, N. Y.
Boyer A. Broom Co., Galesburg, Ill.
Bunck John J. & Co., 155 Chambers, New York
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Lay Jos. Co. (Push, etc), Ridgeville, Ind.
Manhattan Brush Mfg. Co., 629 E. 16th, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Ox Fibre Brush Co., Frederick, Md.
Reading Broom Co., Blandon, Pa.
Richmond Broom Co., Richmond, Va.
Zelnicker Walter A. Supply Co. (Also Bamboo & Japanese Fibre), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 1507—Brooms (Rotary Snow)

Consolidated Car Fender Co., Vale, Providence, R. I.

## 1508— Brooms (Steel Wire)

Blumenthal H. & Co., 241 Centre, New York
Felton D. D. Brush Co., Atlanta, Ga.
Gerhardt C. (For Brewers, etc), 591 Hudson, New York
Lay Jos. Co. (Push, etc), Ridgeville, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
OSBORN MFG. CO., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Paxson J. W. Co., 1021 No Delaware av, Phila., Pa.
Pilley Flue Brush Co., 604 So 3d, St. Louis, Mo.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Worcester Brush & Scraper Co. ("Royal Worcester"), Worcester, Mass.

## 1509—Brooms (Street Sweeping)

Dennis W. J. & Co. (Steel, Wire), 2120 W Lake, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Hvass & Co., 511 E 18th, New York
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Manhattan Brush Mfg. Co., 629 E. 16th, New York
Mass. Commission for the Blind, Cambridge, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Pirrung Mfg. Co. (Wire), 4436 Greenview av, Chicago, Ill.

## 1510—Brooms (Street Sweeping Machines)

Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Osborn Mfg. Co. (Rotary), 5401 E. Hamilton, Cleveland, O.
*See adv index at end of book*

## 1511—Brooms (Street & Stable)

Bardall J. C. Co., Moundsville, W. Va.
Blumenthal H. & Co., 241 Centre, New York
Bookhop F. H., 151 38th, Brooklyn, N. Y.
Boyer A. Broom Co., Galesburg, Ill.
Chicago Brush Mfg. Co., 412 W Erie, Chicago, Ill.
Darby Edw. & Sons Co. (Steel Wire), 412 N. 18th, Phila., Pa.
Felton D. D. Brush Co., Atlanta, Ga.
Harrah & Stewart Mfg. Co., Des Moines, Ia.
Herbert Brush Mfg. Co., Kingston, N. Y.
Herrick P. R. & Co., 3843 W Lake, Chicago, Ill.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Mass. Commission for the Blind, Cambridge, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Ox Fibre Brush Co., Frederick, Md.
Reading Broom Co., Blandon, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

## 1511a—Brooms (Warehouse, Mill & Factory)

Felton D. D. Brush Co., Atlanta, Ga.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

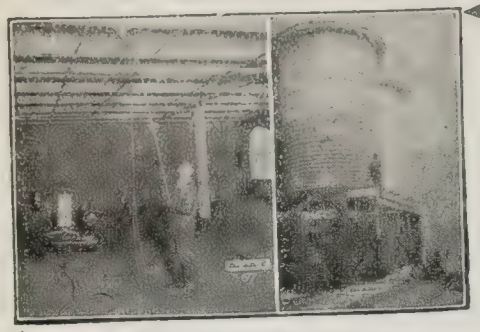
Wilson Co., Greenville, S. C.

## 1512— Brooms (Whisk)

Amsterdam Broom Co., Amsterdam, N. Y.
Arlington Works (The) (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Baltimore Broom Works, 2105 Eastern av, Baltimore, Md.
Bardall J. C. Co., Moundsville, W. Va.
Bookhop F. H., 151 38th, Brooklyn, N. Y.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Celluloid Co., 36 Washington pl, New York
Chattanooga Broom & Mop Co, Chattanooga, Tenn
Des Moines Broom Co., Des Moines, Ia.
Halsted Brush Co. ("Boston"), 71 Park pl, New York.
Harrah & Stewart Mfg. Co., Des Moines,
Hoag Duster Co., Monticello, Ia.
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Lang Broom Co., 2029 Chateau, Pittsburgh, Pa.
Lee Broom & Duster Co. ("Lee"), Lincoln, Neb.
Miller Broom Co., La Crosse, Wis.
Mohawk Valley Broom Co., Fonda, N. Y.
Muckenfuss Mfg. Co., Spartanburg, S. C.
New Bremen Broom Co., New Bremen, O.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Pioneer Broom Co., Amsterdam, N. Y.
Ripple S. A. & Bros., 1208 Ridgely, Baltimore, Md.
Saart Bros. (Sterling Silver Mounted only), Attleboro, Mass.
Southern Broom Mfg. Co., Atlanta, Ga.
Southwestern Broom Mfg. Co., Evansville, Ind.
The Arlington Works (E. I. du Pont De Nemours & Co.) 21 E 40th, New York
Universal Brush Co., 181 Quincy, Chicago, Ill.
Urbana Broom Co., Urbana, O.
Weymer A. F. Co., Syracuse, N. Y.
Whitney Henry & Co., Amsterdam, N. Y.
Wittemeier's F. Sons, Fort Hunter, N. Y.

## 1513-4—Brooms & Brushes (Track)

Brown, Lewis A. Co., 196 State, Boston, Mass.
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Lay Jos. Co. ("Victory"), Ridgeville, Ind.
Mass. Commission for the Blind ("Pendergast"), Cambridge, Mass.



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BROOMS & BRUSHES (Track)—continued

Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Mulholland William, 79 White, New York
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Pilly Flue Brush Co., (Steel Wire), 604 S 3rd, St. Louis, Mo.
Reading Broom Co. (Brooms), Blandon, Pa.
Worcester Brush & Scraper Co. ("Royal Worcester" Renewable), Worcester, Mass.

## Brush Machinery

See Machinery Section

## 1515—*Brush Sets (Silver Plated)

International Silver Co., Meriden, Conn.

## 1516— Brushes (Air)

See also Brushes, Pneumatic Spray

Eclipse Air Brush Co. ("Eclipse"), 79 Orange, Newark, N. J.
Eureka Pneumatic Spray Co., 62 9th av, New York
De Vilbiss Mfg. Co. ("Aeron" System), Toledo, O.
Ideal Air Brush Co., 18 Franklin, New York
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Vapor Valve Co., St. Louis, Mo.
**PAASCHE AIR BRUSH CO.,** 1249 W Washington blvd, Chicago, Ill. *See adv index at end of book*
Thayer & Chandler (Fountain), 913 W Vanburen, Chicago, Ill.
Wold Air Brush Mfg. Co., 716 W Madison, Chicago, Ill.

## Brushes (Artists')

See Brushes, Paint, Kalsomine, Varnish, etc

## 1516a— Brushes (Automobile)

Felton D. D. Brush Co., Atlanta, Ga.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

Universal Brush Co., 181 Quincy, Chicago, Ill.

## 1517—Brushes (Auto Washing)

See also Vehicle Washers

Buller Brush Co., Hartford, Conn.
Felton D. D. Brush Co., Atlanta, Ga.
Hicks Howard W. Co., Denver, Col.
Hygenia Brush Co., 15 Hermon, Worcester, Mass.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*

THE MILWAUKEE BRUSH MANUFACTURING CO.
Brushes and Brooms
Wire—Bristle—Fibre
Milwaukee :: Wisconsin

North Ridge Brush Co., Freeport, Ill.
Rubberset Co., 56 Ferry, Newark, N. J.
Sanitax Brush Co, 2333 S Wabash av, Chicago, Ill.
Universal Brush Co., 181 Quincy, Chicago, Ill.

## 1518— Brushes (Bakers')

Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Rubberset Co., 56 Ferry, Newark, N. J.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Wooster Brush Works, Wooster, Ohio

## 1519—Brushes (Barrel & Keg Scrubbing Machine)

Gerhardt C. (For Brewers), 591 Hudson, N. Y.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Lay Jos. Co. (Carved), Ridgeville, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

## 1520-1— Brushes (Bath)

Ames, Bonner Co. ("A. B. C."), Toledo, O.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Celluloid Co., 36 Washington pl, New York
Herbert Brush Mfg. Co., Kingston, N. Y.
Hoyt Fred'k M. & Bro., Troy, N. Y.
New Jersey Brush Co. (Vegetable Fibre), Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Ox Fibre Brush Co., Frederick, Md.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Standard Brush Co. ("Favorite," "Handy," "Perfection," "Ideal"), New Hartford, Conn.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Whiting J. L.-Adams J. J. Co., 690 Harrison av. Boston, Mass.

## Brushes (Bench)

See Brushes, Platers, Polishers, etc. See also Duster Mfrs.

## 1522—Brushes (Billiard Table)

Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Standard Brush Co., New Hartford, Conn.

## Brushes (Boiler Flue)

See Cleaners, Boiler Flue & Tube, Brushes

## 1522a— Brushes (Bonnet)

Celluloid Co., 36 Washington pl, New York *See adv index at end of book*
The Arlington Works (E. I. du Pont De Nemours Co.), Wilmington, Del.

## 1523—Brushes (Bookbinders')

Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Devoe & Raynolds Co. Inc., 101 Fulton, New York *See adv index at end of book*
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.

## 1524-5-6—Brushes (Bottle)

Bradley & Smith, 251 Pearl, New York
Burton A. & E. & Co., 73 Pearl, Boston Mass.
Felton D. D. Brush Co., Atlanta, Ga.
Hahn Arthur W., Twisted Wire, 7 Dominick, New York
Hendee C. C. Co. (Wire), 501 Broadway, Milwaukee, Wis.
Hertzberg H. & Son (Wire Twisted), 15 Mercer, New York
Herbert Brush Mfg. Co., Kingston, N. Y.
Herrick P. R. & Co., 3843 W Lake, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Lafayette Brush & Mfg. Co. ("Thorobrush"), Lafayette, Pa.
Manhattan Brush Co., 629 E. 19th, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Poggensee Brush Co., 1923 Armitage av, Chicago, Ill.
Pollock Brush Co., Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Tyer Rubber Co. (Wire), Andover, Mass.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Worcester Brush & Scraper Co., Worcester, Mass.

## Brushes (Bowling Alley)

See Brushes, Floor Polishing

## 1527— Brushes (Brewers')

Blumenthal H & Co., 241 Centre, New York

Gerhardt C., 591 Hudson, New York
Grau Bros., 1662 Central av, Cincinnati, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas City, Mo.
Ox Fibre Brush Co., Frederick, Md.
Poggensee Brush Co., 1923 Armitage av, Chicago, Ill.
Rochester Brush Mfg. Co., Rochester, N. Y.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

## 1528—Brushes (Butchers' Block)

Darby Edw. & Sons Co., 412 N. 18th, Phila., Pa.
Dennis W. J. & Co. (Steel Wire), 2120 W Lake, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Manufacturers' Brush Co., 1950 W 114th, Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

Peerless Mfg. Co. ("Peerless") New Durham, N. H.

## 1529—Brushes (Canners' Machine, Etc.)

Felton D. D. Brush Co., Atlanta, Ga.
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Ox Fibre Brush Co., Frederick, Md.

## Brushes (Car Washing)

See Brushes, Window

## 1530— Brushes (Carbon)

American Carbon & Battery Works of Nat'l Carbon Co., Inc., East St. Louis, Ill.
Baylis Co., Bloomfield, N. J.
Boxill & Bruel, Indianapolis, Ind.
Calebaugh-Block Self-Lubricating Carbon Co ("No-Spark"), 1503 W Columbia av, Phila, Pa.
Chapin Chas. E. Co., 201 Fulton, New York
Cooley Mfg. Co., Inc., 98 Park pl, New York
Corliss Carbon Co., Bradford, Pa.
Deck Carbon Co., 71 W B'way, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
H. & L. Mfg. Co. (Gauze & Metal), 300 B'way, New York
Hart & Co. ("Langleben," Self Lubricating), Fostoria, O.
Jandron W. J. ("Le Carbone), 172 Fulton, New York
LE VALLEY VITAE CARBON BRUSH CO. (Self Lubricating), 531 W. 23d, New York. *See adv index at end of book*
Mikesell Bros. Co. (for Motors), 156 N La Salle, Chicago, Ill. *See adv index at end of book*
Mitchel-Rand Mfg. Co., 18 Vesey, New York
Morgan Crucible Co. ("Morganite"), 519 W 38th, New York
National Carbon Co. ("Pyramid" Brand, Graphite or Metal Composition), Madison av, N. W. & W 117th, Cleveland, O.
Nungesser Carbon & Battery, Works of Nat'l Carbon Co (& Metal), 1170 E 38th, Cleveland, O.
Ohio Carbon Co. (For Motors & Generators), Fulton pl, Cleveland, O.
Otter Mfg. Co., Inc., 243 W 17th, New York
Perfection Supply Co., 98 Park pl, New York
Pittsburgh Carbon Brush Co., 512 E Diamond, Pittsburgh, N S, Pa.
Pure Carbon Co. (Tungsten Carbon), Wellsville, N. Y.
Sorgel Electric Co., Milwaukee, Wis.
Speer Carbon Co. ("Long Life," Self Lubricating), St. Marys, Pa.
Stackpole Carbon Co., St. Mary's, Pa.
Universal Carbon Co., Dundee, Ill.
Van Nort Carbon Brush Co., St. Louis, Mo.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa. *See adv index at end of book*

## 1531-2—Brushes (Carpet Sweeper)

Lewis Samuel ("Clipper"), 73 Barclay, New York
Miles Bros. & Co., 1957 Pitkin av, Brooklyn, N. Y.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Standard Brush Co., New Hartford, Conn.
Wooster Brush Co., Wooster, O.

## Brushes (Casting, Steel Wire)

See Brushes, Steel Wire

## 1533— Brushes (Celluloid)

Celluloid Co., 36 Washington pl, New York
Rubberset Co., 56 Ferry, Newark, N. J.

## 1534— Brushes (Chimney)

Browne F. W. (Wire), Farmington, N. H.
Felton D. D. Brush Co., Atlanta, Ga.
Hahn Arthur W., Twisted Wire, 7 Dominick, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Peerless Mfg. Co. ("Peerless") New Durham, N. H.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.

## 1534a— Brushes (Complexion)

Celluloid Co., 36 Washington pl, New York
Rubberset Co., 56 Ferry, Newark, N. J.
The Arlington Works (E. I. du Pont De Nemours & Co.), Wilmington, Del.
Universal Brush Co., 181 Quincy, Chicago, Ill.

## Brushes (Copper)

See Brushes, Sheet Metal

## 1535— Brushes (Corn Drill)

Felton D. D. Brush Co., Atlanta, Ga.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.

## 1536— Brushes (Cuspidor)

Felton D. D. Brush Co., Atlanta, Ga.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Ox Fibre Brush Co., Frederick, Md.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Universal Brush Co., 181 Quincy, Chicago, Ill.

## 1537—Brushes (Cylinder or Wheel Bottom)

Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Felton D. D. Brush Co., Atlanta, Ga.
Hanlon & Goodman Co., 270 Pearl, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
POLLOCK BRUSH CO., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co. (Cylinder), 395 Reed, Milwaukee, Wis.

## 1537a— Brushes (Dairy)

Felton D D. Brush Co., Atlanta, Ga.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

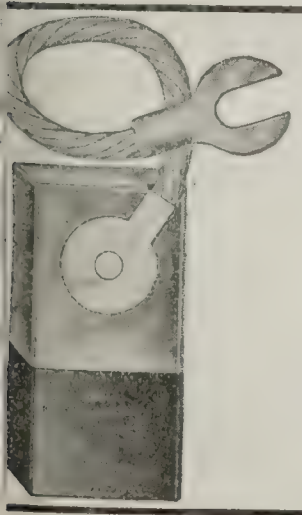
OSBORN BRUSHES & BROOMS

## 1537b— Brushes (Dry Cleaners)

Universal Brush Co., 181 Quincy, Chicago, Ill.
Felton D. D. Brush Co., Atlanta, Ga.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Universal Brush Co., 181 Quincy, Chicago, Ill.

## 1538— Brushes (Dust)

Bradley & Smith, 251 Pearl, New York
Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Felton D. D. Brush Co., Atlanta, Ga.
Grand Rapids Brush Co., Grand Rapids, Mich.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., Kansas City, Mo.



# Le Valley Vitae Carbon Brush Co.

Manufacturers of

## CARBON BRUSHES

Brushes in Carbon, Graphite, Combined Metal and Graphite for all Types of Dynamos and Motors

*A Suitable Grade for Every Service*

**Head Office, 531 West 23rd Street - - New York**

BRUSHES (Dust)—continued
Ox Fibre Brush Co., Frederick, Md.
Pollock Brush Co., Easton, Pa.
R. I. Brush Co. (Reversible), 50 Daniel av, Providence, R. I.
Rubberset Co., 56 Ferry, Newark, N. J.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Wax Brush Co. ("Bwaxo"), 56 Sanford, Boston, Mass.
Whiting John L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.
Wooster Brush Co., Wooster, O.

## 1539—Brushes (Dustless Floor)

Dearborn Duster Co. ("Dearborn"), 550 W Harrison, Chicago, Ill.
Inlaid Floor Co., 600 Alabama, San Francisco, Cal., & 4067 Watts, Emeryville, Call.
Milwaukee Dustless Brush Co., 22d & Sycamore, Milwaukee, Wis.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., Kansas City, Mo.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Universal Brush Co., 181 Quincy, Chicago, Ill.

## 1540—Brushes (Fibre, Vegetable)

Felton D. D. Brush Co., Atlanta, Ga.
National Brush Co. (Wooden Back and Staple), Aurora, Ill.
New Jersey Brush Co. ("Enjabeco), Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Ox Fibre Brush Co. (Wooden Back and Staple Driven), Frederick, Md.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Universal Brush Co. ("Palmyra," "Hygiene" Bowl & Bath Tub), 181 Quincy, Chicago, Ill.

## Brushes (File)

See Cards, File

## 1541—Brushes (Floor Polishing)

Baum Bros. Co., Denver, Col.
Bradley & Smith, 251 Pearl, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Devoe & Raynolds Co. Inc., 101 Fulton, New York. *See adv index at end of book*
Duncan Bros. & Wray Co. ("Ideal"), Ludlow Falls, O.
Felton D. D. Brush Co., Atlanta, Ga.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
New Jersey Brush Co., Bloomfield, N. J.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Standard Brush Co., New Hartford, Conn.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Wax Brush Co. ("Bwaxo"), 56 Sanford, Boston, Mass.
Whiting J. L.-Adams J. J. Co., 690 Harrison av, Boston, Mass.
Wood-Mosaic, New Albany, Ind.

## 1542-3—Brushes (Floor Sweeping)

Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Chicago Brush Mfg. Co., 412 W Erie, Chicago, Ill.
Culicover M., 41 Fulton, New York
Felton D. D. Brush Co., Atlanta, Ga.
Felton S. A. & Son Co., Manchester, N. H.
Friedlander Paul N., 337 B'way, New York
Gertz Lumbard & Co., 154 W Randolph, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Herbert Brush Mfg. Co., Kingston, N. Y.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co. ("Capital," Fibre, Hair, Bristles, etc), 26 Brush, Indianapolis, Ind.
Milton Chemical Co. ("B-B," Dustless), 156 Sixth, Cambridge, Mass.
New Jersey Brush Co., Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., Kansas City, Mo.
OSBORN MFG. CO., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Pirrung Mfg. Co., 4436 Greenview av, Chicago, Ill.
Pollock Brush Co., Easton, Pa.
Rhode Island Brush Co., 50 Daniel av, Providence, R. I.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Spring Handle Co., Abingdon, Ill.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Whiting J. L.-Adams J. J. Co., 690 Harrison av, Boston, Mass.

## Brushes (Floor Waxing)

See Brushes, Floor Polishing

## 1544— Brushes (Flue)

See also Brushes, Steel Wire

See also Cleaners, Flue
Browne F. W. (Wire), Farmington, N. H.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Lay Jos. Co., Ridgeville, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
North Ridge Brush Co., Freeport, Ill.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Peerless Mfg. Co. ("Peerless"), New Durham, N. H.
Pilley Packing & Flue Brush Mfg. Co., 604 S Third, St. Louis, Mo.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Universal Brush Co., 181 Quincy, Chicago, Ill.

## 1544a—Brushes (Flue & Heater)

Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

Pollock Brush Co., 25-27 N 4th, Easton, Pa.

## 1545—Brushes (Foundry, Machine & Factory)

See also Brushes, Steel Wire

Bradley & Smith, 251 Pearl, New York
Brown Cotton Gin Co., New London, Conn.
Browne F. W. (Wire Casting, etc), Farmington, N. H.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Chicago Brush Mfg. Co., 412 W Erie, Chicago, Ill.
Clinton E. & Co., 2119 Arch, Phila., Pa.
Darby Edw. & Sons Co. (Wire), 412 N. 18th, Phila., Pa.
Dennis W. J. & Co. (Steel Wire), 2120 W Lake, Chicago, Ill.
Devoe & Raynolds Co., Inc. (Steel Wire, etc.), 101 Fulton, New York. *See adv index at end of book*
Earle Brush Co., Columbia, Pa.
Empire Brush Wks, 1311 N Robey, Chicago, Ill
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Felton D. D. Brush Co., Atlanta, Ga.
Felton S. A. & Son Co., Manchester, N. H.
Ferris John. Jr., 400 B'way, Albany, N. Y.
Flint Warren F. Co. (Steel), 74 India, Boston, Mass.
Foot Mfg. Co., 36 Germania av, Jersey City, N. J.
Gilbert & Bennett Mfg. Co. (Wire), Georgetown, Conn.
Goode W. P. Brush Co., 136 North, Boston, Mass.
Haisler Bros. Co. (Machine, etc), 740 N Franklin, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Hardy Frank H., Andover, Mass.
Heilman Machine Works, Evansville, Ind.
Herold Bros., 62 Public sq, Cleveland, O.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co. (Rattan Mixed), 26 Brush, Indianapolis, Ind.
Lafayette Brush & Mfg. Co. ("Thorobrush"), Lafayette, Pa.
Lay Jos. Co. (Bristle, Wire, etc), Ridgeville, Ind.
McCormick J. S. Co., 25th A. V. R. R., Pittsburgh, Pa.
Manufacturers' Brush Co., 1950 W. 114th, Cleveland, O.
Mason Brush Works, Worcester, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Mulholland William, 79 White, New York
National Brush Co., Aurora, Ill.
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co. (Railroad Brushes), 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Packard A. & Co., 166 Commercial, Boston, Mass.
Paxson J. W. Co. (Steel & Wire), 1021 N. Delaware av, Phila., Pa.
Peerless Mfg. Co. ("Peerless") New Durham, N. H.
Pilley Flue Brush Co. (Steel Wire), 604 S 3rd, St. Louis, Mo.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Riddiford Bros. (Specialty Machine Brushes), 30 S Wells, Chicago, Ill.
Rochester Brush Mfg. Co., Rochester, N. Y.
Schaefer, McLaughlin Co. (Fdry., Mch. & Factory), 395 Reed, Milwaukee, Wis.
Shanafelt Mfg. Co. (Big Brush for the Foundry), Canton, O.
Stevens Frederici B., 3rd & Larned, Detroit, Mich. *See adv index at end of book*
Thayer P. E. & Co., Pawtucket, R. I.
Thum Charles D., 150 N 3d, Phila., Pa.
Voelker Philip L., 2 Bucklin, Providence, R. I.
Ward J. B. & Sons, Paterson, N. J.
Warner Wm. R. & Co., 136 Centre, New York
Woodison E. J. Co. (Wire & Hair), 1621 St. Aubin, Detroit, Mich.
Worcester Brush & Scraper Co. ("Royal" Worcester Casting Brush), Worcester, Mass.

## 1545a— Brushes (Fountain)

DIAGRAPH STENCIL MACH. CORP., 9th & Clinton, St. Louis, Mo. *See adv index at end of book*

## 1546—Brushes (Glass Cutters')

Felton D. D. Brush Co., Atlanta, Ga.
Indianapolis Brush & Broom Mfg. Co. ("Capital"), 26 Brush, Indianapolis, Ind.

## Brushes (Graining)

See Brushes, Paint, Varnish, etc.

## 1547— Brushes (Graphite)

American Carbon & Battery Works of Nat'l Carbon Co., Inc., East St. Louis, Ill.
Chapin Chas. E. Co., 201 Fulton, New York
Dixon, Joseph Crucible Co., Jersey City, N. J.
Fleck Carbon Co., 71 W B'way, New York
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Graphite Metallizing Corp., Yonkers, N. Y.
Holmes-Fibre Graphite Mfg. Co., 5155 Wakefield, Phila., Pa.
Lederer F. J. Co., 400 Guilford, Buffalo, N. Y.
Morgan Crucible Co., 519 W 38th, New York
Nungesser Carbon & Battery Wks of Nat'l Carbon Co., 1170 E 38th, Cleveland, O.
Ohio Carbon Co. (For Motors & Generators), Fulton pl, Cleveland, O.
Speer Carbon Co., St. Marys, Pa.

## 1548—Brushes (Hat, Clothes & Hair)

Alpha Brush Co ("Porslyn," "Spotless"), Troy, N. Y.
Ames, Bonner Co. ("A. B. C."), Toledo, O.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Celluloid Co., 36 Washington, New York
Costello J. S. & Son Brush Co., 1108 Pine, St. Louis, Mo.
Hahn Arthur W. (Twisted Wire), 7 Dominick, New York
Herbert Brush Mfg. Co., Kingston, N. Y.

Hoyt Fred'k M. & Bro., Troy, N. Y.
Mohawk Brush Co., Albany, N. Y.
Monarch Brush Co., Troy, N. Y.
New Jersey Brush Co. (Clothes & Hat only), Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Ox Fibre Brush Co., Frederick, Md.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Reliable Brush Co., Troy, N. Y.
Rubberset Co., 56 Ferry, Newark, N. J.
Sonn A. L. Brush Co. ("Eclipse" Aluminum Faced), Troy, N. Y.
Standard Brush Co., New Hartford, Conn.
The Arlington Works (E. I. du Pont De Nemours Co.), Wilmington, Del.
United States Brush Co., Potsdam, N. Y.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Whiting J. L.-Adams J. J. Co., 690 Harrison av, Boston, Mass..

## 1549— Brushes (Horse)

Bookhop F. H., 145 38th, Brooklyn, N. Y.
Bradley & Smith, 251 Pearl, New York
Bromwell Brush & Wire Goods Co., 612 W 6th, Cincinnati, O.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Chicago Brush Mfg. Co., 412 W Erie, Chicago, Ill.
Darby Edw. & Sons Co. (Leather Back Bristle; Also Wire, Fibre & Rice Root), 412 N. 18th, Phila, Pa.
Earle Brush Co., Columbia, Pa.
Felton S. A. & Son Co., Manchester, N. H.
Grand Rapids Brush Co., Grand Rapids, Mich.
Haisler Bros. Co., 740 No Franklin, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Hendee C. C. Co. (Wire "Dandy"), 501 Broadway, Milwaukee, Wis.
Herbert Brush Mfg. Co., Kingston, N. Y.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
India Palmette Brush Co., 1274 12th, Detroit, Mich.
Lay Jos. Co. ("Victor"), Ridgeville, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
National Brush Co., Aurora, Ill.
Nelms & Co., 407 Commerce, Phila., Pa.
New Jersey Brush Co., Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Ox Fibre Brush Co. ("Ox Fibre"), Frederick, Md.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Schott J. B. Saddlery & Mfg. Co., Quincy, Ill.
Standard Brush Co. ("Jockey," "Handy," "Rub & Kurry," "Fleetwood," "Charter Oak," "Solid Back"), New Hartford, Conn.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Wetherbee Geo. C. & Co., 49 Jefferson av, Detroit, Mich.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

## 1550—Brushes (Hot Water Heater)

Browne F. W. (Wire), Farmington, N. H.
Darby Edw. & Sons Co. (Wire), 412 N. 18th, Phila., Pa.
Flint Warren F. Co. (For Sectional Heaters), 74 India, Boston, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Mulholland William, 79 White, New York
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co. (Wire, Bristle & Fibre), 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Pilley Flue Brush Co. (Wire), 604 S 3d, St. Louis, Mo.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

## 1551—Brushes (Lithographers')

Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

## Brushes (Marking)

See Brushes, Stencil

## 1552— Brushes (Milk Can)

Felton D. D. Brush Co., Atlanta, Ga.
Hanlon & Goodman Co., 270 Pearl, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., Kansas City, Mo.
Ox Fibre Brush Co., Frederick, Md.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Standard Brush Co. ("Dairy Queen," "Solid Back"), New Hartford, Conn.
Universal Brush Co., 181 Quincy, Chicago, Ill.

## 1552a— *Brushes (Military)

Schimper, William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York *See adv index at end of book*

## 1552b—Brushes (Motor & Dynamo)

Chapin Chas. E. Co., 201 Fulton, New York
Corliss Carbon Co., Bradford, Pa.
Eureka Co., North East, Pa.
Hart & Co., Fostoria, O.
**LE VALLEY VITAL CARBON BRUSH CO.,** 531 W 23d, New York *See adv index at end of book*
National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, O.
Ohio Electric Specialty Mfg. Co., Troy, O.
Pure Carbon Co., Wellsville, N. Y.
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co., St. Marys, Pa.
United States Graphite Co., Saginaw, Mich.

## 1553— Brushes (Nail)

Ames, Bonner Co. ("A. B. C."), Toledo, O.
Celluloid Co., 36 Washington pl, New York
New Jersey Brush Co. (Leather Back), Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Ox Fibre Brush Co., Frederick, Md.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Standard Brush Co., New Hartford, Conn.
The Arlington Works (E. I. du Pont De Nemours & Co. (Nail or Hand), Wilmington, Del.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

## 1554—Brushes (Paint, Kalsomine, Varnish, Etc.)

Ascher Leopold Co., 118 6th av, New York
Baker Brush Co. (Sign Writers', Artists', Soft Hair, Varnish, etc), 83 Grand, New York
Bradley & Smith, 251 Pearl, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Chicago Brush Mfg. Co., 412 W Erie, Chicago, Ill.
Clinton E. & Co., 2119 Arch, Phila., Pa.
**DEVOE & REYNOLDS CO., Inc.,** 101 Fulton, New York *See adv index at end of book*
Dilley Wm., 22 N 5th av, Chicago, Ill.
Felton S. A. & Son Co., Manchester, N. H.
Ferris John Jr., 400 B'way, Albany, N. Y.
Fish Brush Factory, 4700 Lorain av, Cleveland, O.
Flynn Bros., Brush Mfg. Co., Troy, N. Y.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gerts, Lumbard & Co., 154 W Randolph, Chicago, Ill.
Hanlon & Goodman Co., 270 Pearl, New York
Looby Wm. H., Centerbrook, Conn.
Lucas John & Co., 322 Race, Phila., Pa.
Miles Bros. & Co., 1957 Pitkin av, B'klyn, N. Y.
New Jersey Brush Co., Bloomfield, N. J.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

Packard A. & Co., 166 Commercial, Boston, Mass.
Pitegoff Bros., 13 Crosby, New York
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Pushee Jno. C. & Sons, 3 Randolph, Boston, Mass.
Ramus C. F. W., East Boston, Mass.
Rennous, Kleinle & Co. ("Chinese"), 3321 Frederick av, Baltimore, Md.
Rodriguez R. E., 56 Warren, New York
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Sartorius & Co., 57 Murray, New York
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Sheets Wm. H., Jr. Co., 121 S Charles, Baltimore, Md.
Thum Chas. D., 150 N 3d, Phila., Pa.
Thurston F. W. Co., 1832 S Clark, Chicago, Ill.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
United Brush Mfrs., 203 Lafayette, New York
Warner W. R. & Co., 136 Centre, New York
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.
Whittemore W. L. & Son, Hartford, Conn.
Wolfe Brush Co., 1805 Beaver av, Pittsburgh, Pa.
Wooster Brush Co. ("Wooster" Line), Wooster, O.

## 1555—Brushes (Paperhangers')

(Paste, Smoothing, Stipplers, etc.)

Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Devoe & Raynolds Co., Inc., 101 Fulton, New York. *See adv index at end of book*
Hanlon & Goodman Co., 270 Pearl, New York
New Jersey Brush Co., Bloomfield, N. J.
Opie J. W. Brush Co., Kansas City, Mo.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

## 1555a—Brushes (Plain Scratch)

Felton D. D. Brush Co., Atlanta, Ga.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

## 1556—Brushes (Platers', Polishers', Etc.)

Blumenthal H. & Co. (Brass, Copper & Circular, etc), 241 Centre, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Dixon Wm. (Wire, Bristle, etc, "Tampico" Goat Hair), 39 John, New York
Felton D. D. Brush Co., Atlanta, Ga.
Foot Mfg. Co. (Bristle & Wire Lathe, etc), 36 Germania av, Jersey City, N. J.
Gesswein F. W. Co., 16 John, New York
Gornell E. Sons Co., 179 N. Wells, Chicago, Ill.
Haisler Bros. Co., 740 N Franklin, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Mahler P. & Sons, 299 Pearl, New York
Manufacturers' Brush Co. ("Advance" Sectional), 1950 W. 114th, Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Munning A. P. & Co., Mattawan, N. J.
National Brush Co., Aurora, Ill.

BRUSHES (Platers', Etc.)—continued
**Newark Brush Co., 253 Mulberry, Newark, N. J.**
North Ridge Brush Co., Freeport, Ill.
**Opie J. W. Brush Co., Kansas City, Mo.**
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

Pollock Brush Co., 25-27 N 4th, Easton, Pa.
**Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.**
**Standard Brush Co., New Hartford, Conn.**

## 1557—Brushes (Pneumatic Spray)

See Also Brushes Air

**Eclipse Air Brush Co., 79 Orange, Newark, N. J.**
**Eureka Pneumatic Spray Co., 62 9th av, New York**
**Fixture Spray Co., 545 W 22d, New York**
**Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.**
**Metals Coating Co. of Am., 100 Summer, Boston, Mass.**
**PAASCHE AIR BRUSH CO.**, 1249 W Washington blvd, Chicago, Ill. *See adv index at end of book*
**SPRAY ENGINEERING CO.** ("Spraco" Paint Gun), 93 Federal, Boston, Mass. *See adv index at end of book*

"SPRACO"
Pneumatic Painting Equipment. Saves time, labor and material. The Modern Way to Paint.
SPRAY ENGINEERING CO.
93 Federal St., BOSTON, MASS.

Star Brass Works ("Binks"), 3114 Carroll av, Chicago, Ill. *See adv index at end of book*
**Vapor Valve Co., St. Louis, Mo.**

## 1558—Brushes (Power For Use With)

Felton D. D. Brush Co., Atlanta, Ga.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

## 1559— Brushes (Radiator)

**Burton A. & E. & Co., 73 Pearl, Boston, Mass.**
**Culicover M., 41 Fulton, New York**
**Dennins O. Sons, Troy, N. Y.**
**Dennis W. J. & Co.** (Steel Wire), 2120 W Lake, Chicago, Ill.
**Hahn Arthur W., Twisted Wire, 7 Dominick, New York**
**Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.**
King Mfg. Co., 103 Oliver, Newark, N. J.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
North Ridge Brush Co., Freeport, Ill.
**Opie J. W. Brush Co., Kansas City, Mo.**
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
**Pilley Flue Brush Co., 604 S 3d, St. Louis, Mo.**
**Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.**
**Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.**
**Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.**
**Universal Brush Co., 181 Quincy, Chicago, Ill.**
**Warren A. J. Brush Co., 79 Elm, Cincinnati, O.**
**Whiting J. L.-J. J. Adams Co., 700 Harrison av. Boston, Mass.**

## 1560— Brushes (Railroad)

Anderson Specialty Co., 6 E. Lake, Chicago, Ill.
**Burton A. & E. & Co., 73 Pearl, Boston, Mass.**
**Devoe & Raynolds Co., Inc., 101 Fulton, New York.** *See adv index at end of book*
**Indianapolis Brush & Broom Mfg. Co** ("Capital"), 26 Brush, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
**Opie J. W. Brush Co. (All Kinds), Kansas City, Mo.**
**OSBORN MFG. CO.** (all kinds), 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
**Pollock Brush Co., Easton, Pa.**
**Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.**
**Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.**
**Thum Chas. D., 150 N 3d, Phila., Pa.**
**Tottle, Wm. A. & Co., 124 Hanover, Baltimore, Md.**
Universal Brush Co., 181 Quincy, Chicago, Ill.
**Wolfe Brush Co., 1805 Beaver av, Pittsburgh, Pa.**

## 1561— Brushes (Roofing)

**Burton A. & E. & Co., 73 Pearl, Boston, Mass.**
Chicago Brush Mfg. Co., 412 W Erie, Chicago, Ill.
Darby Edw. & Sons Co., 412 N. 18th, Phila., Pa.
**Devoe & Raynolds Co., Inc., 101 Fulton, New York.** *See adv index at end of book*
**Hanlon & Goodman Co., 270 Pearl, New York**
**Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.**
**Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.**
**Lay Jos. Co., Ridgeville, Ind.**
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
**New Jersey Brush Co. ("Tomahawk" Tar, "Dakota" Flat), Bloomfield, N. J.**
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co. (Roof Paint), 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
**Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.**
**Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.**
**Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.**
**Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.**

## 1562— Brushes (Rubber)

**Bailey C. J. & Co., 22 Boylston, Boston, Mass.**
**Faultless Rubber Co., Ashland, O.**
**Tyer Rubber Co. (Bath, Shampoo, Flesh & Toilet), Andover, Mass.**

## 1562a— *Brushes (Sanitary)

Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

## 1563— Brushes (Scrubbing)

**Ames, Bonner Co. ("A. B. C."), Toledo, O.**
**Blumenthal, H. & Co., 241 Centre, New York**
**Bromwell Brush & Wire Goods Co., 611 W 6th, Cincinnati, O.**
**Burton A. & E. & Co., 73 Pearl, Boston, Mass.**
**Chicago Brush Mfg. Co., 412 W Erie, Chicago, Ill.**
Darby Edw. & Sons Co. (Wire, 412 N. 18th, Phila., Pa.
**Dennis W. J. & Co., 2120 W Lake, Chicago, Ill.**
Earle Brush Co., Columbia, Pa.
Eisenmann S. J., 369 B'way, New York
Felton D. D. Brush Co., Atlanta, Ga.
Hanlon & Goodman Co., 270 Pearl, New York
Hendee C. C. Co., 501 Broadway, Milwaukee, Wis.
**Herrick P. R. & Co., 3843 W Lake, Chicago, Ill.**
Holcomb J. I. Mfg. Co, 1543 Van Buren, Indianapolis, Ind.
India Palmette Brush Co, 1274 12th, Detroit, Mich.
**Indianapolis Brush & Broom Mfg. Co.** ("Capital"), 26 Brush, Indianapolis, Ind.
Lay Jos. Co., Ridgeville, Ind.
**Milford Mfg. Co. ("All Angle"), Mansfield, O.**
**National Brush Co., Aurora, Ill.**
**New Jersey Brush Co. ("Rajah" Palm Fibre Deck), Bloomfield, N. J.**
North Ridge Brush Co., Freeport, Ill.
**Opie J. W. Brush Co., Kansas City, Mo.**
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

**Ox Fibre Brush Co., Frederick, Md.**
**Pittsburgh Brush Co., 324 Liberty av** Pittsburgh, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
**Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.**
**Standard Brush Co. ("Kleenquick," "Dude," "Tot," "Solid Back," "Pollywog," "Toad," "Frog"), New Hartford, Conn.**
**Thurnauer G. M. Co., 6 E 20th, New York**
Universal Brush Co., 181 Quincy, Chicago, Ill.
**Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.**
**Wolfe Brush Co., 1805 Beaver av, Pittsburgh, Pa.**

## 1564—Brushes (Set-In-Rubber)

**Erskine James Lowe Co. (Mfrs.), 462** Greenwich, New York
**Hanlon & Goodman Co. ("Rubristo"), 270** Pearl, New York
**Pitegoff Bros., 13 Crosby, New York**
**Rubberset Co. ("Rubberset"), 56 Ferry,** Newark, N. J.
**Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.**
**Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.**
**Whiting Jno. L. & J. J. Adams Co., 690** Harrison av, Boston, Mass.

## 1565—Brushes (Sewer Cleaning)

Flint Warren F. Co., 74 India, Boston, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
**Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.**

## 1566— Brushes (Shaving)

**Ascher, Leopold Co., 118 6th av, New York**
**Burton A. & E. & Co., 73 Pearl, Boston, Mass.**
**Cattaraugus Cutlery Co., Little Valley, N. Y.**
Celluloid Co., 36 Washington pl, New York
**Kampfe Bros. ("Kambro" Set in Rubber), 3303 Atlantic av, Brooklyn, N. Y.**
**Mayd-Well Brush Co., ("Mayd-Well"), Troy, N. Y.**
North Ridge Brush Co., Freeport, Ill.
**Pitegoff Bros., 13 Crosby, New York**
**Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.**
Universal Brush Co., 181 Quincy, Chicago, Ill.
Whiting, J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

## 1567— Brushes (Sheet Metal)

**Chapin Chas. E. Co., 201 Fulton, New York**
**Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.** *See adv index at end of book*
**Eureka Co., North East, Pa.**
**Fleck Carbon Co., 71 W B'way, New York**
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**Ohio Elec. Specialty Mfg. Co., Troy, O.**
**Perfection Supply Co. ("Dynamo"), 98 Park pl, New York**
**Phila. Electrical & Mfg. Co. ("Pemco"), 1236 N 31st, Phila., Pa.**
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Walsh J. F., Pittsfield, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 1568— Brushes (Shoe)

Ames, Bonner Co. ("A. B. C."), Toledo, O.
Bradley & Smith, 251 Pearl, New York
Bromwell Brush & Wire Goods Co., 612 W 6th, Cincinnati, O.
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Dennins O. Sons, Troy, N. Y.
Earle Brush Co., Columbia, Pa.
Felton D. D. Brush Co., Atlanta, Ga.
Gilbert E. T. Mfg. Co. (Polishers), Rochester, N. Y.
Herbert Brush Mfg. Co., Kingston, N. Y.
Hoyt Fred'k M. & Bro., Troy, N. Y.
Lay Jos. Co., Ridgeville, Ind.
Monroe Novelty Co., Rochester, N. Y.
National Brush Co., Aurora, Ill.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Ox Fibre Brush Co., Frederick, Md.
Parks & Parks, Troy, N. Y.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Standard Brush Co., New Hartford, Conn.
Thayer P. E. & Co., Pawtucket, R. I.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

## 1569— Brushes (Sink)

Bookhop F. H., 151 38th, Brooklyn, N. Y.
Bradley & Smith, 251 Pearl, New York
Browne W. G. Mfg. Co. (Wire), Kingston, N. Y.
Darby Edw. & Sons Co., 412 N. 18th, Phila., Pa.
Fogarty Philip & Co. ("Anchor"), 43 Wyona, Brooklyn. N. Y.
Hamblin & Russell Mfg. Co. ("H. & R." Wire), Worcester, Mass.
Hendee C. C. Co. (Wire), 501 Broadway, Milwaukee, Wis.
National Brush Co., Aurora, Ill.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Ox Fibre Brush Co., Frederick, Md.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Peerless Mfg. Co. ("Peerless" Wire), New Durham, N. H.
Pilley Flue Brush Co., 604 S 3d, St. Louis, Mo.
Plunkett Chas., 205 Duane, New York
Thurnauer G. M. Co., 6 E 20th, New York
Universal Brush Co. ("Gem"), 181 Quincy, Chicago, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Woods-Sherwood Co. (Wire), Worcester, Mass.

## 1570— Brushes (Special)

Ferris John Jr., 400 B'way, Albany, N. Y.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Rubberset Co., 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co. (Special Brushes made from Blue Prints), 395 Reed, Milwaukee, Wis.

## 1571— Brushes (Spiral)

Browne F. W. (Wire), Farmington, N. H.
Foot Mfg. Co. (Bristle for Gunsmiths, Bottles, etc), 36 Germania av, Jersey City, N. J.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Peerless Mfg. Co., ("Peerless"), New Durham, N. H.
Pilley Flue Brush Co., 604 S 3d, St. Louis, Mo.

## 1572— Brushes (Steel Wire)

See also Brushes, Foundry, Machine, etc.
American Brush Corp., Inc. (Twisted), 700 W 22nd, Chicago, Ill.
American Stamping & Mfg. Co., Park bldg., Pittsburgh, Pa.
Blumenthal H. & Co., 241 Centre, New York
Brooklyn Scratch Brush Co., 11 McKibben, Brooklyn, N. Y.
Browne F. W. (For Furnaces, Flues, Heaters, Castings, etc), Farmington, N. H.
Bunck Jno. J. & Co., 155 Chambers, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Coleman Allan J. (Sanitary Twisted), 208 N Wabash, Chicago, Ill.
Darby Edw. & Sons Co., 412 N. 18th, Phila., Pa.
Dean O. M. & Sons, Worcester, Mass.
Dearborn Duster Co. ("Dearborn" Twisted), 550 W Harrison, Chicago, Ill.
Dennis W. J. & Co. (Butcher, Radiator, Painters, File, Scratch, Foundry, etc), 2120 W Lake, Chicago, Ill.
Felton D. D. Brush Co., Atlanta, Ga.
French Sam'l H. & Co., 4th & Callowhill. Phila., Pa.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Halsted Brush Co., 71 Park pl, New York
Hanlon & Goodman Co., 270 Pearl, New York
Indianapolis Brush & Broom Mfg. Co. ("Capital," Push, etc), 26 Brush, Indianapolis, Ind.
Mahler P. & Sons, 299 Pearl, New York
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Peerless Mfg. Co. ("Peerless" for House Boilers), New Durham, N. H.
Phoenix Brush & Mfg. Co., 160 Wells, Chicago, Ill.
Pilley Flue Brush Co., 604 S 3d, St. Louis, Mo.
Ridgely Trimmer Co., Springfield, O.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Stow Mfg. Co. (Scratch), Binghamton, N. Y. *See adv index at end of book*
Universal Brush Co., 181 Quincy, Chicago, Ill.
Wickwire Spencer Steel Corp. (Sink, etc), Worcester, Mass. *See adv index at end of book*
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

## 1573— Brushes (Stencil)

Bradley & Smith, 251 Pearl, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Chicago Brush Mfg. Co., 142 W Erie, Chicago, Ill.
Devoe & Raynolds Co., Inc., 101 Fulton, New York. *See adv index at end of book*
Felton D. D. Brush Co., Atlanta, Ga.
Hanlon & Goodman Co. ("Perfection"), 270 Pearl, New York
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Whiting John L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.

## 1574—Brushes (Stone Cleaning)

Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Opie J. W. Brush Co., Kansas City, Mo.
Peerless Mfg. Co. (("Peerless"), New Durham, N. H.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

## 1575— Brushes (Stove)

Bradley & Smith, 251 Pearl, New York
Burton A. & E. & Co., 73 Pearl, Boston, Mass.
Dennins' O. Sons, Troy, N. Y.
National Brush Co., Aurora, Ill.
Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Ox Fibre Brush Co. ("Ox Fibre"), Frederick, Md.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Standard Brush Co., New Hartford, Conn.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Whiting John L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

## Brushes (Street & Stable)

See Brooms, Street & Stable

## 1576— Brushes (Tailors')

Opie J. W. Brush Co., Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Universal Brush Co., 181 Quincy, Chicago,

## 1577— Brushes (Tanners')

Felton D. D. Brush Co., Atlanta, Ga.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Rubberset Co., 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.

## Brushes (Tar)

See Brushes, Roofing

## 1578— Brushes Test Tube

Felton D. D. Brush Co., Atlanta, Ga.
Palo Co., 90 Maiden la, New York
Whitall Tatum Co., 63 Barclay, New York

## 1579— Brushes (Tooth)

Bailey C. J. & Co., 22 Boylston, Boston, Mass.
Florence Mfg. Co., Florence, Mass.
Indexo Co., 33 W 42d, New York
North Ridge Brush Co., Freeport, Ill.
Rubberset Co. ("Rubberset"), 56 Ferry, Newark, N. J.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
White S. S. Dental Mfg. Co., 211 S. 12th, Philadelphia, Pa.

## Brushes (Tumbler)

See Brushes, Bottle

## 1580— Brushes (Type Cleaning)

Felton D. D. Brush Co., Atlanta, Ga.
Hendee C. C. Co., 501 B'way, Milwaukee, Wis.

## 1581— Brushes (Vacuum Cleaner)

Felton D. D. Brush Co., Atlanta, Ga.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Schaefer McLaughlin Co., 395 Reed, Milwaukee, Wis.

## 1582—Brushes (Wheel, Steel Wire)

Felton D. D. Brush Co., Atlanta, Ga.
Osborn Mfg. Co. ("Tampico"), 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Manufacturers Brush Co., 1950 W 114th, Cleveland, O.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*

## Brushes (Whitewash)

See Brushes, Paint, Kalsomine, Varnish, etc.

## 1583— Brushes (Window)

See also Cleaners, Window
Blumenthal H. & Co., 241 Centre, New York
Bradley & Smith, 251 Pearl, New York
Bromwell Brush & Wire Goods Co., 612 W 6th, Cincinnati, O.
Burton, A. & E. & Co., 73 Pearl, Boston, Mass.
Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Darby Edw. & Sons Co., 418 N 18th, Phila., Pa.
Dennis, W. J. & Co. ("W. J. Dennis," Rubber, Brass & Wood Frame), 2120 W Lake, Chicago, Ill.
Earle Brush Co., Columbia, Pa.
Felton D. D. Brush Co., Atlanta, Ga.
Herrick P. R. & Co., 3843 W Lake, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.

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BRUSHES (WINDOW)—continued

**Lay** Jos. Co. ("Victor" Round & Flat), Ridgeville, Ind.
Miles Bros. & Co., 1957 Pitkin av, B'klyn, N. Y.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
New Jersey Brush Co., Bloomfield, N. J.
North Ridge Brush Co., Freeport, Ill.
Opie J. W. Brush Co. (Car Washing), Kansas City, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Rhode Island Brush Co., 50 Daniel av, Providence, R. I.
Rubberset Co., 56 Ferry, Newark, N. J.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Thayer P. E. & Co., Pawtucket, R. I.
Tottle Wm. A. & Co., 124 Hanover, Baltimore, Md.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Whiting J. L.-J. J. Adams Co., 690 Harrison av, Boston, Mass.

## Brushes (Wire)

See Brushes, Steel Wire

### 1583a— Brushes (Wire Wheel)

Osborn Mfg. Co. ("Tampico" Wheels & Sections), 5401 E Hamilton av, Cleveland, O. *See adv index at end of book*

OSBORN BRUSHES & BROOMS

### 1584—Brushes (Woven Wire)

For Dynamos & Motors

Barkelew Electric Mfg. Co. ("Sparkless"), Middletown, O.
Chapin Chas. E. Co. ("Dickey"), 201 Fulton, New York
Eureka Co., North East, Pa.
Flint Warren F. Co., 74 India, Boston, Mass.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Goldmark Jas. Co., (German-American), 83 Warren, New York
Hart & Co., Fostoria, O.
Ohio Electric Specialty Mfg. Co., Troy, O.
Perfection Supply Co., 98 Park pl, New York
Salem Electrical Supply Co., Salem, Mass.
Thompson-Bonney Co. ("Acme"), 18 Henry, Brooklyn, N. Y.
Worcester Brush & Scraper Co., Worcester, Mass.

### 1584a— Buckets (Acid)

Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, O.
Tippett & Wood, Phillipsburgh, N. J.
United States Rubber Co., 1790 Broadway, New York

### 1584b— *Buckets (Automatic)

See Also Buckets, Self-Dumping

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Hayward Co., 50 Church, New York
*See adv index at end of book*

### 1585—Buckets (Bottom Dumping)

Akron Cultivator Co., Akron, O.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
**AUSTIN MACHINERY CORP.**, Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*


**HAYWARD BUCKETS**

for

•Dredging
Excavating
Locomotive Cranes, Bridges, Towers, Derricks, Overhead Cranes, Monorail Cranes, Cableways, etc.
Coal Handling
Ore Handling
Sand and Gravel Handling
Sewer Work
Foundation and Caisson Digging
Crushed Stone Handling
Foundry Use
Industrial Plant use
Irrigation and Ditch Work
Canal Digging
Well Digging
Test Holes for Mining
Cement Plants—Handling Gypsum Rock, etc.

**THE HAYWARD CO.**

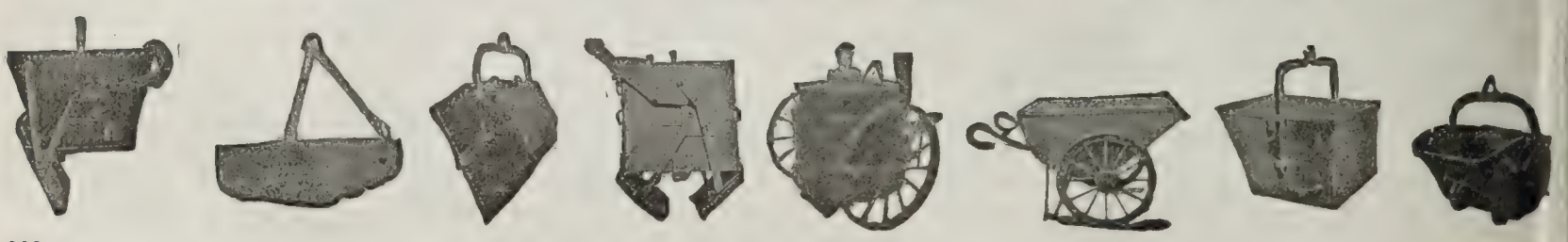
*Builders of*
DIGGING MACHINERY
50 Church St. New York, U. S. A.


Bailey-Burruss Mfg. Co., Atlanta, Ga.
Biehl Iron Wks., Inc., Reading, Pa.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Insley Mfg. Co. (Controllable Center Dump), 3500 E St. Clair, Indianapolis, Ind.
Lakewood Engineering Co. ("Lakewood," "Eclipse," Ideal Controllable), Cleveland, O. *See adv index at end of book*

**G. L. Stuebner, Iron Works**

Turn-over and Bottom Dumping Buckets of all types and sizes; Steel Skips; Flat, End and Bottom Discharge Cars; Push Carts for handling Coal, Ores, Earth, Concrete, Etc. Asphalt Heaters, and Lead Melting Furnaces, etc.

**Queensboro Terminal Long Island City New York, N. Y.**



**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Littleford Bros., 444 E. Pearl, Cincinnati, O.
Mansfield Engineering Co. ("Pioneer"), 1100 Burdsal Pkway, Indianapolis, Ind.
McMyler-Interstate Co., Bedford, O.
Penn Foundry & Mfg. Co., Reading, Pa.
**Sackett H. B. Screen & Chute Co., 1691** Elston av, Chicago, Ill.
**STUEBNER G. L. IRON WORKS, Queensboro** Terminal, Long Island City, N. Y.
*See adv index at end of book*
**Tidewater Iron Works, Hoboken, N. J.**
**Union Iron Works, Hoboken, N. J.**
**Williams G. H. Co., Erie, Pa.**

## 1586— Buckets (Center Dump)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
**Insley Mfg. Co. (Controllable), 3500 E St. Clair, Indianapolis, Ind.**
**Littleford Bros., 444 E. Pearl, Cincinnati, O.**
**STUEBNER G. L. IRON WORKS** (Controllable), Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Williams G. H. Co., Erie, Pa.**

## 1587— Buckets (Clam Shell)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Austin Machinery Corp., Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*
Blaw-Knox Co., Freeport rd, Hoboken, N. J.
**Browning Co., E 162nd & Waterloo rd, N E, Cleveland, O.**
**BUFFALO HOIST & DERRICK CO.**, 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
**Haiss Geo. Mfg. Co., 141st & Rider av, N. Y.**
Hayward Co., 30 Church, New York
*See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

**HOISTING MACHY CO.**, 50 Church, New York *See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Industrial Works, Bay City, Mich.
Kiesler Jos. F. Co. ("Kiesler"), N Sangamon & W Huron, Chicago, Ill.
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO. U.S.A.

**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
McMyler-Interstate Co. (Steam), Bedford, O.
Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
**NORTHERN ENGINEERING WORKS**, 9 Chene, Detroit, Mich.
*See adv index at end of book*
Obenberger J. & Son Co., 125 Barclay, Milwaukee, Wis.
Owen Bucket Co. ("Owen"), Rockefeller bldg, Cleveland, O.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Quintard Iron Works Co. ("Arnold" Pneumatic), 742 E 12th, New York
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
**VULCAN IRON WORKS, INC.**, Hudson & Essex, Jersey City, N. J.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Williams G. H. Co. ("Favorite"), Erie, Pa.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 1588—*Buckets (Clam Shell, Electric Motor)

Hayward Co., 30 Church, New York
*See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

**LAKEWOOD ENGINEERING CO.**, Cleveland, O. *See adv index at end of book*

## 1589— Buckets (Coal & Ore)

See also Tubs, Hoisting & Dumping
Advance Engineering Co., Metta av, Cleveland, O.
Akron Cultivator Co., Akron, O.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Baltimore Car & Foundry Co., Pittsburgh, Pa.
Biehl Iron Wks., Inc., Reading Pa.
Blaw-Knox Co., Freeport rd, Hoboken, N. J.
Browning Co., E 162nd & Waterloo rd, N E, Cleveland, O.
**BUFFALO HOIST & DERRICK CO.**, 134 Erie, Buffalo, N. Y.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Denver Engineering Works Co., Denver, Colo.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Haiss Geo. Mfg. Co., 141st & Rider av, New York
Hendy Joshua Iron Works (Ore.), 75 Fremont, San Francisco, Cal.
Hoisting Machinery Co., 50 Church, New York. *See adv index at end of book*
Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
Kiesler Jos. F. Co., N Sangamon & W Huron, Chicago, Ill.
Kilbourne & Jacobs Mfg. Co. (Dump), Columbus, O. *See adv index at end of book*
**LAKEWOOD ENGINEERING CO.**, Cleveland, O. *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, O.
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
Owen Bucket Co. ("Owen"), Rockefeller bldg, Cleveland, O.
Penn Foundry & Mfg. Co., Reading, Pa.
Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**Sackett H. B. Screen & Chute Co., 1691** Elston av, Chicago, Ill.
**STUEBNER G. L. IRON WORKS** (Self Dumping & Righting), Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
**TRAYLOR ENGINEERING & MFG. CO.** (Ore Only), Allentown, Pa.
*See adv index at end of book*
Watt Mining Car Wheel Co., Barnesville, O.
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Williams G. H. Co., Erie, Pa.

## 1590— Buckets (Concrete)

**AUSTIN MACHINERY CORP.**, Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Garfield & Co., 1323 Heart bldg, San Francisco, Cal.
Hoisting Machinery Co., 50 Church, New York. *See adv index at end of book*
**LAKEWOOD ENGINEERING CO.**, Cleveland, O. *See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO U.S.A.

Ransome Concrete Machinery Co., Dunnellen, N. J.
**STUEBNER G. L. IRON WORKS**, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 1590a— *Buckets (Concrete Elevator)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 1590b—Buckets (Contractors)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## Buckets (Dinner)

See Pails, Dinner

## 1591— Buckets (Dope)

Johnston Mfg. Co., Urbana, O.

## 1592—Buckets (Drag Line Scraper)

**AUSTIN MACHINERY CORP.**, Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*
**Brown Hoisting Machinery Co., 4403 St. Claire N E, Cleveland, O.**
**Browning Co., E 162nd & Waterloo rd, N E, Cleveland, O.**
Channon H. Co., 150 N Market, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Hayward Co., 30 Church, New York
*See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

Hoisting Machinery Co., 50 Church, New York. *See adv index at end of book*
**Insley Mfg. Co., 3500 E St. Clair, Indianapolis, Ind.**
**Locomotive Crane Co., Bucyrus, O.**
*See adv index at end of book*
**Mansfield Engineering Co. The ("Pioneer"),** 1100 Burdsal Pkway, Indianapolis, Ind.
**Monighan Machine Co., 2032 Carroll av, Chicago, Ill.**
**Page Engineering Co., 189 W Madison, Chicago, Ill.**
Sauerman Bros., 1138 Monadnock blk, Chicago, Ill. *See adv index at end of book*
Seattle Const. & Dry Dock Co., Seattle, Wash.
United Iron Works, Inc. (Excavating), Kansas City, Mo.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 1593—Buckets (Dredging & Excavating)

**American Manganese Steel Co. ("Amsco"** Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
**American Bridge Co., 30 Church, New** York
**AUSTIN MACHINERY CORP.**, Railway Exchange bldg, Chicago, Ill.

BUCKETS (DREDGING & EXCAVATING) —continued

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Blaw-Knox Co., Freeport rd, Hoboken, N. J.
Blow Steel Construction Co., Farmers Bk. bldg., Pittsburgh, Pa.
Chicago Metal Treating Co., 4032 N Rockwell, Chicago, Ill.
**CLYDE IRON WORKS SALES CO.,** Duluth, Minn. *See adv index at end of book*
Dull Raymond W. Co., 111 W Washington, Chicago, Ill.
Ervien Chas. W. & Co., Venango & G, Phila., Pa.
Hensley James W. & Co. (Center Gravity), Indianapolis, Ind.
Hoisting Machinery Co., 50 Church, New York. *See adv index at end of book*
Insley Mfg. Co., 3500 E St. Clair, Indianapolis, Ind.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Kiesler Jos. F. Co., N. Sangamon & W Huron, Chicago, Ill.
**LAKEWOOD ENGINEERING CO.,** Cleveland, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
Mansfield Engineering Co. The ("Pioneer"), 1100 Burdsal Pkway, Indianapolis, Ind.
Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
Osgood Co., Marion, O.
Owen Bucket Co. ("Owen"), Rockefeller bldg, Cleveland, O.
**PAGE ENGINEERING CO.** ("Page" Scraper Excavator), 189 W. Madison, Chicago, Ill.
Penn Foundry & Mfg. Co., Reading, Pa.
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*
Williams G. H. Co., Erie, Pa.

## 1594—Buckets (Elevator & Conveyor)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Beckley Perforating Co., Garwood, N. J.
Blaw-Knox Co., Freeport rd, Hoboken, N. J.
Caldwell H. W. & Son Co. ("Best," Seamless Steel), 17th & Western av, Chicago, Ill.
Chain Belt Co., (Malleable), Milwaukee, Wis.
Chicago Metal Treating Co., 4032 N Rockwell, Chicago, Ill.
Clark W. J. Co. ("Salem"), Salem, O.
Codd E. J. Co., 700 S Caroline, Baltimore, Md.
Cross Engineering Co., Carbondale, Pa.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Federal Malleable Co. (Malleable Iron), West Allis, Wis.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hendrick Mfg. Co., Carbondale, Pa.
Howe Chain Co. (Charcoal Malleable Iron), Muskegon, Mich.
Hudson Machinery Co., Passaic, N. J.
Insley Mfg. Co. (Automatic, Concrete), 3500 E St. Clair, Indianapolis, Ind.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O. *See adv index at end of book*
Leetonia Boiler Co., Leetonia, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, O.
Mansfield Engineering Co. The ("Pioneer"), 1100 Burdsal Pkway, Indianapolis, Ind.
Marseilles Works of Deere & Co., East Moline, Ill.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Meese & Gottfried Co., 660 Mission, San Francisco, Cal.
Michigan Sprocket Chain Co., Delray, Detroit, Mich.
Moline Malleable Iron Co., St. Charles, Ill.
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal .
Moore & Lorenz Co. ("Salem," Also Grain), 2144 W Fulton, Chicago, Ill.
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Pennsylvania Eng. Works, New Castle, Pa.
Remaly Mfg. Co., Tamaqua, Pa.
Robins Conveying Belt Co., 13 Ann, New York *See adv index at end of book*
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Savage W. J. Co., Knoxville, Tenn.
Schmahl Jacob & Co., 28 Lloyd, Buffalo, N. Y.
Specialty Engineering Co., Trenton & Allegheny, Phila., Pa.
Sprout, Waldron & Co., Muncy, Pa.
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Stephens-Adamson Mfg. Co. ("S. A."), Aurora, Ill.
Stolz Jos. & Son, Inc. (Elevator), 841 E 136th, New York
Union Iron Works, Hoboken, N. J.
Union Iron Works, Spokane, Wash.
United Iron Works, Inc., Kansas City, Mo.
Webster Mfg. Co., 4500 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kastner av, Chicago, Ill.
Willcox Engineering Co. (For Hauling Salt), 1525 Holland av, Saginaw, Mich.
Wolf Co., Chambersburg, Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## Buckets (Fibre)

See Pails, Fibre

## 1595— Buckets (Fire)

See also Pails, Galvanized Iron
Also Buckets, Rubber

Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Cordley & Hayes (Paper, Fibre), 7 Leonard, New York
Foamite Firefoam Co., 200 5th av, New York
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hayward S. F. & Co., 250 W. 54th, New York
Hunt & Dorman Mfg. Co. (Special), 1600 E 24th, N. E, Cleveland, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Northern Fire Apparatus Co. ("Waggoner" Sanitary), 2422 University av S E, Minneapolis, Minn.
*See adv index at end of book*
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Rochester Can Co. ("Iron Horse" Galvanized Iron), Rochester, N. Y.
*See adv index at end of book*
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
Steel Basket Co. (Corrugated & Plain), Cedar Rapids, Ia.
Waggoner Sanitary Fire Bucket Co., 400 Monticello av, Chicago, Ill.
Whitaker-Glessner Co., (Wheeling Corrugating Dept.) (Galvanized & Painted Red Outside), Wheeling, Va.
Zelnicker Walter A. Supply Co. ("Zelnicker" Conical), 325 Locust, St. Louis, Mo. *See adv index at end of book*

## Buckets (Galvanized Iron)

See Pails, Galvanized Iron

## 1596—*Buckets (Gold Dredging)

**JEFFERY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

## 1597— Buckets (Grab)

Abel-Howe Co., 322 S Michigan av, Chicago, Ill.
Advance Engineering Co. ("Aden"), Metta av, Cleveland, O.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Andresen-Evans Co., 80 E Jackson blvd, Chicago, Ill.
**BROSIUS EDGAR E.,** Benedum Trees bldg. Pittsburgh, Pa.
Brown Hoisting Machinery Co. ("Brownhoist"), 4403 St. Clair N E, Cleveland, O.
Browning Co. (Automatic Square Type), E 162d & Waterloo rd N E, Cleveland, O.
Browning Sommer Adams Co., Cleveland, O., Mansfield, O., and College Point, New York *See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Industrial Works, Bay City, Mich.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Owen Bucket Co. ("Owen"), Rockefeller bldg., Cleveland, O.
Pawling & Harnischfeger Co. ("P. & H." for Foundry Use), Milwaukee, Wis.
*See adv index at end of book*
**VULCAN IRON WORKS, INC.,** Hudson & Essex, Jersey City, N. J.
Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*
Whiting Foundry Equipment Co. ("Watters" Quick Detachable), 157th & Halstead, Chicago, Ill.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 1598— Buckets (Grease)

Eagle Mfg. Co. ("Eagle" Steel), Wellsburg, W. Va.
**GEM MFG. CO.** ("Gem" Brazed Steel), Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
Lane C. L. ("Wooden"), East Swanzey, N. H.

## 1598a—*Buckets (Handling)

Lakewood Engineering Co., Cleveland, O. *See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND, OHIO, U.S.A.

## 1599— Buckets (Hard Rubber)

American Hard Rubber Co. (For Acids, Dyes, Brine, etc), 9 Mercer, New York

## 1600— *Buckets (Hoisting)

Blaw-Knox Co., Freeport rd, Hoboken, N. J.
**LAKEWOOD ENGINEERING CO.,** Cleveland, O. *See adv index at end of book*

## 1601— Buckets (Maple Sap)

Grimm G. H. ("Grimm"), Rutland, Vt.

## 1602— Buckets (Minnow)

Deshler Mail Box Co. ("Jones"), Deshler, O.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.

## 1603—Buckets (Orange Peel)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
**AUSTIN MACHINERY CORP.,** Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*

Browning Co., E 162d & Waterloo rd, N E, Cleveland, O.
**BROWNING SOMMER ADAMS CO.**, Cleveland, O.; Mansfield, O., and College Point, New York
*See adv index at end of book*
Hayward Co., 30 Church, New York
*See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

Hoisting Machinery Co., 50 Church, New York. *See adv index at end of book*
Industrial Works, Bay City, Mich.
Kiesler Jos. F. Co., N Sangamon & W Huron, Chicago, Ill.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
McMyler-Interstate Co., Bedford, O.
Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
**VULCAN IRON WORKS, INC.**, Hudson & Essex, Jersey City, N. J.

## 1603a— *Buckets (Ore)

See also Buckets, Coal & Ore

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*
Montague Pipe & Steel Co., Hobart bldg., San Francisco, Cal.

## 1604— Buckets (Powder)

Brown M. Co., Wapakoneta, O.

## 1605— Buckets (Pump)

See also Buckets, Rubber

Brown E. C. Co., Rochester, N. Y.
Chain Products Co., 3924 Cooper av, N E, Cleveland, O.
Cronk & Carrier Mfg. Co. (Chain Pumps), 150 Lake Elmira, N. Y.
*See adv index at end of book*
Wyckoff A. & Son Co. (Chain Pumps & Buckets), Elmira, N. Y.

## 1605a— *Buckets (Round)

Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 1606— Buckets (Rubber)

Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Crosby Co., Cuba, N. Y.
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
Freshour Henry C. ("Star"), Bridgeport, Conn.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hodgman Rubber Co., 8 W 40th, New York
India Rubber Co., New Brunswick, N. J.
Myers F. E. & Bro., 800 Orange, Ashland, O. *See adv index at end of book*
National India Rubber Co. ("Pioneer"), Bristol, R. I.
Pennsylvania Rubber Co. (Pump), Jeannette, Pa.
Republic Rubber Co., Youngstown, O.
U. S. Rubber Co., 1790 Broadway, New York

## 1607—Buckets (Sand Handling)

Blaw-Knox Co., Freeport rd, Hoboken, N. J.
Brown Hoisting Machinery Co., 4403 St. Claire, N E, Cleveland, O.
**BUFFALO HOIST & DERRICK CO.**, 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
**JEFFERY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, O.
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 1608—Buckets (Scraper, Clam Shell)

Brown Hoisting Machinery Co., 4403 St. Claire, Cleveland, O.
**BUFFALO HOIST & DERRICK CO.**, 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
**VULCAN IRON WORKS, INC.**, Hudson & Essex, Jersey City, N. J.

## Buckets (Scraper Excavator)

See Buckets, Drag Line Scraper

## 1609—Buckets (Self-Dumping)

See also Tubs, Hoisting & Dumping

Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
**AUSTIN MACHINERY CORP.** (& Loading), Railway Exchange bldg, Chicago, Ill. *See adv index at end of book*
Bailey-Burrus Mfg. Co., Atlanta, Ga.
Biehl Iron Works, Inc. (Self-Righting), Reading, Pa.
Blaw-Knox Co., Freeport rd, Hoboken, N. J.
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
**HUNT C. W. CO.**, West New Brighton, N. Y. *See adv index at end of book*
Insley Mfg. Co. (Concrete Elevator), 3500 E St. Clair, Indianapolis, Ind.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O.
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
**STUEBNER G. L. IRON WORKS**, Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book*
United Iron Works, Inc., Kansas City, Mo.
Williams G. H. Co., Erie, Pa.

## 1610—Buckets (Self-Loading Powder Scraper)

Advance Engineering Co., Metta av, Cleveland, O.
Brown Hoisting Machinery Co., 4403 St. Claire, N E, Cleveland, O.
Page Engineering Co. ("Page" Automatic Dumping), 189 W Madison, Chicago, Ill.
Williams G. H. Co., Erie, Pa.

## 1611— Buckets (Sewer)

Akron Cultivator Co., Akron, O.
Eagle Mfg. Co. ("Eagle" Welded Steel), Wellsburg, W. Va.
National Enameling & Stamping Co., 411 5th av, New York
Potter Mfg. Co., 3505 Washington, Indianapolis, Ind.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
Williams G. H. Co., Erie, Pa.

## 1612— Buckets (Shoveling)

Brown Hoisting Machinery Co. ("Brownhoist" for Limestone, Coal, Ore, Clay, etc.), 4403 St. Clair, N. E., Cleveland, O.

## 1613— Buckets (Skip)

Bartlett C. O. & Snow Co., French, Cleveland, O. *See adv index at end of book*

## Buckets (Slag)

See Buckets, Sand Handling

## Buckets (Stone)

See Buckets, Elevator & Conveyor

## 1613a—*Buckets (Turn Over)

Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*

## Buckets (Water)

See Pails, Galvanized Iron

## 1614— Buckets (Well)

See also Pails, Galvanized Iron

Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Lown & Son, Poughkeepsie, N. Y.
McClinton Mfg. Co. (Drilled), Ft. Smith, Ark.
National Enameling & Stamping Co. (Artesian, Bored, etc), 411 5th av, New York
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Richmond Cedar Works ("Dixie," "Victor," "Jumbo," "King," "Crown," White Oak Iron Bound), Fulton, Richmond, Va.
Rochester Can Co. ("Iron Horse"), Rochester, N. Y. *See adv index at end of book*
Schlueter Mfg. Co., Broadway & John av, St. Louis, Mo.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Union Cooperage Co. (Wooden), 2nd & Penrose, St. Louis, Mo.
Whitaker-Glessner Co., (Wheeling Corrugating Co.) (Galvanized Steel; also Grimped & Cone Top for Artesian or Bored Wells), Wheeling, W. Va.

## Buckets (Wooden)

See Pails & Buckets, Wood

## 1615—Buckets & Pails (Collapsible)

Abercrombie David T. Co., 17 Warren, New York
Abercrombie & Fitch Co., Madison av & 45th, New York
Defiance Welding Co. ("Boko"), Defiance, O.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hayward S. F. & Co. (Folding Buckets), 250 W 54th, New York
Hodgman Rubber Co., 8 W 40th, New York
Martin Auto Specialty Co., Lancaster, O.
Mechanical Rubber Co., 73 Reade, New York
National India Rubber Co., Bristol, R. I.
National Mfg. Co., Des Moines, Ia.
Pillsbury Mfg. Co. ("Wantopail"), 323 Hennepin av, Minneapolis, Minn.
Planet Co. ("Duplex"), Westfield, Mass.
Pneumatic Mfg. Co. (Canvas), 123 Pacific, Brooklyn, N. Y.
Safety Fire Extinguisher Co., 291 7th av, New York
**STANLEY WM. W.** (Canvas, Waterproof Buckets), 50 Church, New York

## 1616— Buckles (Back Band)

**STANLEY WORKS** ("Plow Boy," "Samson" & "Stanley"), New Britain, Conn.
*See adv index at end of book*
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1617— Buckles (Bale)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
American Nut & Bolt Fastener Co., Ontario & Doerr, Pittsburgh, Pa.

BUCKLES (BALE)—continued

**Baling Tie Buckle Co.** ("Star," "Hercules," "Bull Dog" Baling Tie Buckles), Waterloo rd, Cleveland, O.
**CARY MFG. CO., Nassau & Jay, Brooklyn, N. Y.** *See adv index at end of book*
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
**Oliver Iron & Steel Co. (Cotton Tie), S 10th & Muriel, Pittsburgh, Pa.**
Sharon Steel Hoop Co. (Cotton Tie, etc.), Sharon, Pa.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1618—Buckles (Belt & Strap)

Alma Mfg. Co. (Men's), 611 S Monroe, Baltimore, Md.
**American Buckle Co., West Haven, Conn.**
Capron Co. (Self-Locking Automatic Gold & Silver), 70 Ship, Providence, R. I.
Conlan Bernard & Co., 87 Hamilton, Newark, N. J.
**Connecticut Web & Buckle Co., Bridgeport, Conn.**
**Havell Mfg. Co., 284 Washington, Newark, N. J.**
**Jenkinson R. C. & Co. (Strap), 293 Washington, Newark, N. J.**
**Krischer's Mfg. Co. (also Suspender), 186 Lewis, New York**
**North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.**
**O'Neill & O'Neill (Ladies'), 82 Union, Newark, N. J.**
**Osborn J. K. Mfg. Co., Harrison, N. J.**
Poeter E. & Co., 1168 S Grove, Newark, N. J.
**Riley-Koltz Mfg. Co., 17 Mulberry, Newark, N. J.**
**Smith & Griggs Mfg. Co., Waterbury, Conn.**
Traut & Hine Mfg. Co., New Britain, Conn.
Turkeltaub M. & Son, 38 E 12th, New York
Union Metal Goods Co. (Overall), Pawtucket, R. I.
**WATERBURY BUTTON CORPORATION,** 831 So Main, Waterbury, Conn.
*See adv index at end of book*
**West Haven Buckle Co.** (Clothing), West Haven, Conn.
**Whitehouse H. G., 44 Elm, Newark, N. J.**

## 1619— Buckles (Harness)

Eberhard Mfg. Co., C. & P. R. R. & Tennyson rd, Cleveland, O.
**Elbel Co., Canton, Ohio**
**Enterprise Mfg. Co. ("Pflueger"), Akron, O.**
**Imperial Bit & Snap Co. (& Loops), Racine Wis.**
**Jenkinson R. C. & Co., 293 Washington, Newark, N. J.**
**North & Judd Mfg. Co. ("Anchor Brand," "Tungard"), New Britain, Conn.**
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*

## 1620-1— Buckles (Lock)

**Stimpson Edw. B. Co. ("Lynch-Gapen"), 68 Franklin av, Brooklyn, N. Y.**

## 1622— Buckles (Shoe)

Alterson L. & Co., 162 W 34th, New York
Conlan Bernard & Co., 87 Hamilton, Newark, N. J.
**North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.**
**Stimpson Edwin B. Co., 68 Franklin av, Brooklyn, N. Y.**
**Thomson Judson L. Mfg. Co., Waltham, Mass.**
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*

## 1623— Buckles (Wire)

**Am. Steel & Wire Co., 208 So La Salle, Chicago, Ill.**
*See adv index at end of book*
Eastern Tool & Mfg. Co. (For Overalls), Bloomfield av, Bloomfield, N. J.
**HENDRYX ANDREW B. CO.,** New Haven, Conn. *See adv index at end of book*
North & Judd Mfg. Co. ("Anchor" Brand), New Britain, Conn.
**Waterbury Buckle Co., Waterbury, Conn.**
Waterbury Button Corporation, , 831 So. Main, Waterbury, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Novelty Mfg Co., West Haven, Conn.

## 1624-5— Buckram

Adams Mfg. Co., 31 E 32nd, New York
Chandler Oil Cloth & Buckram Co. (One, Two & Three-Ply Burlap), East Taunton, Mass.
Cleveland-Akron Bag Co., Cleveland, O.
Irving Mfg. Co., 23 Jersey, New Brighton, S. I., N. Y.
Landers Bros. Co., Toledo, O.
McLean Andrew Co., Passaic, N. J.
Palmer J. E. Co. (Millinery), Middletown, Conn.
Richter Mfg. Co., Tenafly, N. J.
Thompson James & Co., 112 Prince, New York
U. S. Electric Mfg. Co. (Buffers Bench), 300 S Central av, Los Angeles, Cal.

## Buckram (Catalogue)

See Cloth, Book

## Buddles (Revolving)

See Tables, Slime

## 1626— Buffers (Board)

Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.

## 1627— Buffers (Car)

Brill J. G. Co. (Angle Iron), 62nd & Woodland av, Phila., Pa.
Commonwealth Steel Co. (Cast Steel), Pierce bldg, St. Louis, Mo.
Gould Coupler Co., 30 E 42d, New York
National Car Coupler Co. ("National" Platform & "Hinson" Friction), 332 S Michigan, Chicago, Ill. Works: Attica, Ind.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Standard Coupler Co., 30 Church, New York

## 1627a— *Buffers (Finger Nail)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 1628—Buffers (Hand, Electric)

American Electric Tool Co. ("Carver," Portable), West Newton, Mass.
Hobart Bros. Co. (Electric), Troy, N. Y.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*
**UNITED STATES ELECTRICAL TOOL CO.,** 549 W Washington blvd., Chicago, Ill. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Wisconsin Elec. Co. ("Dumore"), 1600 Junction av, Racine, Wis.
*See adv index at end of book*

## 1629— Buffers (Rubber)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Continental Rubber Works, Erie, Pa.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Mattson Rubber Co., Lodi, N. J.
National India Rubber Co., Bristol, R. I
Revere Rubber Co., Chelsea, Mass.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## 1630-1—Buffers (Wagon Spring)

See also Buffers, Rubber

Indianapolis Bolster Spring Co. ("Victor Coil Spring"), 326 W Georgia, Indianapolis, Ind.

## Buffs

See Wheels, Buffing; also Machy. Grinding & Polishing

## Buggies

See Carriages; see also Classifications of Buggies Following

## 1632—Buggies (Buhr-Stones)

Hasbrouck J. J. & Co. ("Esopus"), Office & Quarries, New Paltz, N. Y.

## 1633— Buggies (Charging)

See also Barrows, Furnace Charging, also Cars, Charging

Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*
**STUEBNER G. L. IRON WORKS,** Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*

## 1634— Buggies (Cinder)

**STUEBNER G. L. IRON WORKS,** Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**

## 1635— *Buggies (Coal & Ore)

**STUEBNER G. L. IRON WORKS,** Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*

## 1636— Buggies (Coke & Ore)

**Atlas Engineering Co., Amherst, O.**
Easton Car & Construction Co., 36 Church, New York *See adv index at end of book*
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
**Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.**

## 1636a— *Buggies (Concrete)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 1637— Buggies (Lumber)

Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Ransome Concrete Machinery Co., Dunellen, N. J.
Owensboro Wagon Co., Owensboro, Ky.
Streich A. & Bro. Co., Oshkosh, Wis.

## 1637a— Buggies (Wire)

See also Trucks, Wire Mill; also Cars, Plate & Sheet Mill

Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

## 1638—Buggy (Armature)

**Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.**

## 1639— Buhr Stones

See also Millstones

Gump B. F. Co., 431 S Clinton, Chicago, Ill.
**TOBLER & CO., INC.,** 35 S William, New York
Van Brunt R. B. (French) 17 State, New York

## Builders (Contracting)

See Contractors, Building & General

## Builders' Hardware

See Hardware Manufacturers

## Builders' Mill Work

See Interior Hardwood Work

## 1640—*Builders (Contracting, Large)

**STEWART JAMES & CO., INC., 30 Church, New York**

## 1641 — Builders (Moving Picture Studio)

**Lutton William H. Co., Jersey City, N. J.**

## Builders' Cast Iron Work

See Firms in Iron, Architectural & Ornamental, marked with a Star (*); also Machinists & Founders

## 1642—Building Directories (Changeable)

**NEWMAN MFG. CO.,** 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Tablet & Ticket Co., 624 W Adams, Chicago., Ill.
Universal Register Co., 226 W Ontario, Chicago, Ill.
Winters H. E., Davenport, Ia.

## 1643—Building Materials (Second-Hand)

Buckeye Wrecking & Salvage Co., 959 W 7th, Cincinnati, Ohio
Buffalo House Wrecking & Salvage Co., Sycamore & Erie R. R., Buffalo, N. Y.
Cohen Bros. Iron & Metal Co., Des Moines, Ia.
Cuyahoga House Wrecking Co., 6311 Kinsman rd, Cleveland, O.
East Coast Hardware Co., West Palm Beach, Florida
Greene Byron W., Jr., Co., 309 Av B, New York
Harris Bros. Co., W 35th & Iron, Chicago, Ill.
Jump House Wrecking Co., 210 W 14th, New York
Kreusler H. L., 3301 Penn av, Pittsburgh, Pa.
Lash A. F. Co., 25 D, Boston, Mass.
Lowell Building & Supply Co., Lowell, Ohio
Pachoud Bros., 1037 Gilbert av, Cincinnati, O.
Reeber's Jos. Sons Co., Canal pl & 138th, New York
Rheinfrank Building Material Co., 620 E 14th, New York
Rhodes Jamison Co., Oakland, Calif.
Seagrist F. W., Jr. Co., 533 E 18th, New York
Southard Chas. H. Co., 9th av nr 15th, New York
Van Keuren & Son, 501 Passaic av, Newark, N. J.
Volk Jacob Housewrecking Co., 103 Park av, New York
World's Fair Wrecking Co., 1559 Gest, Cincinnati, O.

## 1644—Building Sheathing (Felt)

See also Felts, Roofing

Barrett Co. (Red Rosin Sized, etc), 17 Battery pl, New York
Hydrex Felt & Engineering Co., 120 Liberty, New York
Johns-Manville H. W. Co. ("Keystone"), Madison av & 41st, New York
Keystone Hair Insulator Co. (Hair Felt), 1243 Spring Garden, Pittsburgh, Pa.
New England Felt Roofing Works, 101 Milk, Boston, Mass.
Standard Pipe Covering Co., 3748 E 71st, Cleveland, O.
Union Fibre Co., Inc. ("Linofelt"), Winona, Minn.
Watson H. F. Co. (Asbestos), Erie, Pa.

## 1645—Building Sheathing Quilt (Asbestos)

Cabot Samuel (Inc.), 141 Milk, Boston, Mass.

## 1645a—*Buildings (Portable)

See also Portable Houses

**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*

## 1646—Bulbs (Automobile Horn)

See also Bulbs, Rubber

Goodrich B. F. Co., Akron, O.
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co. ("Alpha" Rubber Brass Mounting), 286 Sheffield av, Brooklyn, N. Y.
Tyer Rubber Co. ("Tyrian," with Brass Mountings), Andover, Mass.

## 1647—Bulbs (Incandescent Lamp)

Advance Lampworks (Automobile), 361 W Superior, Chicago, Ill.
Corning Glass Works, Corning, N. Y.
Holophane Glass Wks. of Gen. Elec. Co., Newark, O.
Libbey Glass Co., Toledo, O.
Paragon Electric Co., 329 E 5th, New York
Wagner Glass Works, 697 E 132d, New York

## 1647a— Bulbs (Nitrogen)

Central Scientific Co., 460 E Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Empire Laboratory Supply Co., Inc., 405 Lexington av, New York
Scientific Utilities Co., Inc., 18 E 16th, New York

## 1647b— Bulbs (Pull Chain)

Light Finder Sales Corp. (Luminous), 507 Fifth av, New York
Pioneer Corp. 1249 W 5th, Chicago, Ill.

## 1648— Bulbs (Rubber)

Ajax Rubber Co., 220 W 57th, New York
Bailey C. J. & Co., 22 Boylston, Boston, Mass.
Canton Rubber Co., Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Eastern Specialty Mfg. Co. (For Tanks), 1553 Dickson av, Scranton, Pa.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Hodgman Rubber Co., 8 W 40th, New York
Myers Mfg. Co., Fremont, O.
National India Rubber Co., Bristol, R. I.
Norwalk Mfg. Co., E. Norwalk, Conn.
Parker, Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., New Haven, Conn.
Star Rubber Co., Akron, O.
Tyer Rubber Co., Andover, Mass.
Whitall, Tatum Co., 410 Race, Phila., Pa.

## 1648a— Bulbs (X-Ray)

Corning Glass Wks., Corning, N. Y.

## 1649—*Bulkhead Builders (Concrete)

**RAYMOND CONCRETE PILE CO.,** 140 Cedar, New York

## Bulldozers

See Bulldozer or Bending Machines

## 1650— Bulletin Boards

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
**TYLER W. S. CO.** Cleveland, O
*See adv index at end of book*

## 1651 — Bullion (Copper)

Beer, Sondheimer & Co., Inc. (Selling Agents), 61 B'way, New York
Philipp Brothers (Imp), 29 Broadway, New York
U. S. Metal Refining Co., 61 B'way, New York

## 1652— Bullion (Lead)

American Zinc, Lead & Smelting Co., 120 B'way, New York
Beer, Sondheimer & Co., Inc. (Selling
Selby Smelting Works, 201 1st, San Francisco, Cal.
U. S. Metals Refining Co., 61 B'way, New York
U. S. Smelting, Refining & Mining Co., 55 Congress, Boston, Mass.
Vogelstein L. & Co., 42 B'way, New York

## 1653-4—Bumpers (Automobile)

Badger Mfg. Co., 313-317 Milwaukee, Milwaukee, Wis.
Central Brass & Fixture Co. ("Buckeye"), Springfield, O.
Cox Brass Mfg. Co., Albany, N. Y.
Duplex Machine Co., 93 Lafayette, Newark, N. J.
Gemco Mfg. Co. ("Gemco"), Milwaukee, Wis.
Halladay L. P. Co. ("Universal," "Imperial"), Streator, Ill.
Hoover Spring Co. ("Common Sense"), 617 Turk, San Francisco, Cal.
Kawneer Mfg. Co. (Cold Drawn Channels), Niles, Mich.
Lovell-McConnell Mfg. Co. ("Conover"), 194 Wright, Newark, N. J.
Polson Mfg. Co., Buffalo, N. Y.
Sager J. H. Co., Rochester, N. Y.
Stewart-Warner Speedometer Corp. ("Stewart"), 1826 Diversey Parkway, Chicago, Ill.
Toledo Cable Co., 506 S St. Clair, Toledo, O.
Turner Brass Works ("Harroun"), Sycamore, Ill.

## Bumpers (Car Seat)

See Rubber Bumpers and Cushions

## Bumpers (Rubber)

See Rubber Bumpers & Cushions

## 1655— Bunchers (Asparagus)

Johnson Mfg. Co. ("Acme," "Phila."), 103 N Front, Phila., Pa.
Wyckoff Bros., Hightstown, N. J.

## 1656— Bunchers (Clover)

Acme Harvesting Machine Co., Peoria, Ill.
American Buncher Mfg. Co. ("American," "Prairie"), Oliver & Harding, Indianapolis, Ind.
Blocki F. Co. ("Blocki"), Sheboygan, Wis
Eckhardt Mfg. Co. ("Buffalo"), 2300 University av W, St. Paul, Minn.
Franzmeier Louis, Timothy, Wis.
Gaterman Mfg. Co. (Side Delivery), Manitowoc, Wis.
International Harvester Co. of Amer. (Inc.), ("Deering-McCormick"), Harvester bldg, Chicago, Ill.
National Harrow Co. ("National"), LeRoy, Ill.
Thornburgh Mfg. Co. (Side Delivery), Bowling Green, O.
Walker Mfg. Co. ("Western"), Council Bluffs, Ia.

## Bung Mfrs.

See Plugs, Wood; also Bungs Barrel

## 1656a—Bung Fasteners for Barrels

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**STANLEY WORKS,** New Britain, Conn.
*See adv index at end of book*

## 1657— Bung Starters

Boston & Lockport Block Co., 100 Condor, E. Boston, Mass.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill. *See adv index at end of book*
Sommer Jno. Faucet Co., 30 Morris av, Newark, N. J.
Stossel Carl Sons & Co., Front Royal, Va.
Union Hardware Co., Torrington, Conn.

## 1657a— Bungs (Barrel)

Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of book*
Erie Metal Products Co., Erie, Pa.
Portland Cooperage Co., Portland, Me.
Redlich Mfg. Co. (Wood), 637-647 W Oak, Chicago, Ill. *See adv index at end of book*
South Bend Dowel Wks., So. Bend, Ind.
Standard Turning Wks., Cambridge, Mass.
United States Bung Mfg. Co., 50 S 2nd, Brooklyn, N. Y.

## 1657b— *Bungs (Oil Can)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 36 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1658— Bunkers (Coal)

American Bridge Co., 30 Church, New York
**GUARANTEE CONSTRUCTION CO.** (Concrete Line Suspension), 92 West, New York
Link-Belt Co., 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry. Phila., Pa. *See adv index at end of book*
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.

## 1659— Bunting Mfrs.

See also Flag Mfrs.

New England Bunting Co., Lowell, Mass.
Passaic Print Works (Cotton), Passaic, N. J.
Textile Products Mfg. Co. ("Durabelle" Signal Flag), Park av & Dolman, St. Louis, Mo.
United States Bunting Co., Lowell, Mass.

## 1660— Buoys (Gas)

American Welding Co., Carbondale, Pa.
Safety Car Heating & Lighting Co. ("Pintsch"), 2 Rector, New York
Stolz Jos. & Son, Inc. (Whistling & Bell), 841 E 136th, New York

## Buoys (Life)

See Life Preservers

## 1661—Buoys (Mooring, Etc.)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
Biertuempfel Bros. Cork Specialty Co., 57 av L, Newark, N. J.
Drien Thos. & Sons Co., Wilmington, Del.
Jordan Bros. Lumber Co. ("Never Sink"), 300 Main, Norfolk, Va.
Kellogg M. W. Co. (Welded Steel), 90 West, New York
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Manitowoc Engng. Works, Manitowoc, Wis.
Marine Mfg. & Sup. Co., 158 South, New York
Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Sharlow Bros. Co., 442 W 42nd, New York

## 1661a— *Buoys (Net)

Estes E. B. & Sons, 364 Fifth av, New York
*See adv index at end of book*

## 1661b— Burettes

Central Scientific Co., 460 E. Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Denver Fire Clay Co., Denver, Colo.
Eimer & Amend, 205 3rd av, New York
Empire Laboratory Supply Co., Inc., 405 Lexington av, New York
International Glass Co., Millville, N. J.
Mine & Smelter Supply Co., Denver, Colo. 42 B'way, New York
Scientific Utilities Co., Inc., 18 E 16th, New York
Wagner Glass Wks., 697 E. 132nd, New York
Whitall Tatum Co., 63 Barclay, New York

## 1662—Burial Cases & Vaults (Concrete)

Automatic Sealing Vault Co., Peru, Ind.
Cement Casket Mfg. Co., Albion, Mich.
Mead-Snyder Co. ("American"), Park av & N 13th, Newark, N. J.
Norwalk Vault Co., Norwalk, Ohio

## 1662a—Burial Cases & Vaults (Metallic)

See also Burial Vaults, Steel

Decatur Cornice & Roofing Co., Decatur, Ill.
Detroit Metallic Casket Co., 862 Gratiot av, Detroit, Mich.
La Haye Mfg. Co., 298 11th, San Francisco, Cal.
Manhattan Metallic Casket Co., 2426 1st av, New York
Springfield Metallic Casket Co., Springfield, O.
Wilcox E. A. Mfg. Co., 6330 Stony Island av, Chicago, Ill.

## 1663—Burial Cases & Vaults (Slate)

American Slate Co., Easton, Pa.
Bangor Structural Slate Co., Bangor, Pa.
*See adv index at end of book*
Bray J. Slate Co. (Jobbers), E. Bangor, Pa.
Excelsior Slate Co., Pen Argyl, Pa.
Hahn Granville, Walnutport, Pa.
Hammann Slate Co., Bangor, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Kimes, J. B. & Co., 24th & Callowhill, Phila, Pa.
Monson Maine Slate Co., 112 Water, Boston, Mass.
Peerless Slate Co., Delta, Pa.
Penrhyn Slate Co., Hydeville, Vt.
Structural Slate Co., Penn Argyle, Pa.

## 1664—Burial Cases & Vaults (Stone)

Euclid Stone & Brick Co., Cleveland, O.
McDermott Stone Co., McDermott, Ohio
Mineral Products Co. ("Xyno"), Rhinelander, Wis.

## 1665— Burial Vaults (Steel)

See also Burial Cases & Vaults, Metallic

American Steel Grave Vault Co., Galion, O.
Clark Grave Vault Co., Columbus, O.
Galion Metallic Vault Co., Galion, O.
Kelly Mfg. Co., Bucyrus, O.
Maxwell Steel Vault Co., Oneida, N. Y.
Meadville Metallic Vault Co., Meadville, Pa.
Skahen Steel Co., Syracuse, N. Y.

## 1666— Burlap

See also Bags & Bagging

American Bag Co. (Also Bags & Twines), 3rd & Oakland, Harrison, Cal.
American Bag & Burlap Co., Boston, Mass.
Bell Bag Co., 63 Front, New York
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Bemis Indianapolis Bag Co., Barth av & Belt, Indianapolis, Ind.
Brimberg H., 546 Pearl, New York
Central Bag Mfg. Co., 3622 Iron, Chicago, Ill.
Chase H. & L. (Importers), 267 Atlantic av, Boston, Mass.
Chelsea Fibre Mills, 212 5th av, New York. Factory: Brooklyn N. Y.
Clapp H. D. B. & Co. (Waste), 824 N American, Phila., Pa.
Cleveland-Akron Bag Co. ("Protex," Waterproof), Cleveland, O.
Collins Plass Thayer Co., 26 Beaver, New York
Cott-a-Lap Co. ("Cotta-a-Lap," "Eureka," "Muro," "Tex-ta-dor-na," Wall Burlaps), Somerville, N. J.
Duncan Geo. & Co., 366 B'way, New York
Du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Emsley John W., Adams & Emerald, Phila., Pa.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Graffin John C. Co., 10 South Baltimore, Md.
Grimond J. & A. D. (Ltd.) (H. N. Gildea, Agent) (Jute Decorative & Bagging Burlaps), 320 B'way, New York
Gulf Bag Co., 330 Notre Dame, New Orleans, La.
Halsted E. S. & Co., 64 Pearl, New York
Hartman Pacific Co., Inc., Imp., 80 Wall, New York
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Horner Wm. J., 62 Beaver, New York
Hydrex Felt & Eng'ng Co. ("Hydrexed"), 120 Liberty, New York
Kent Percy Co., 33 Pearl, New York
Klein Max, 38 Park Row, New York
*See adv index at end of book*
Landers Bros. Co., Toledo, O.
Lawson Jacob Bag Co., 264 Water, New York
Lenon Co. ("Tuf-Tex"), 4451 S Oakley av, Chicago, Ill. *See adv index at end of book*
Logie Jas. & Co., 42 B'way, New York
Logie James, Produce Exchange, New York
Mente & Co., Robin & S. Peters, New Orleans, La.
Milwaukee Bag Co., 206 S Water, Milwaukee, Wis.
Mitsui & Co. (Imp.), 65 B'way, New York
Oriental Textile Mills, Houston, Tex.
Ralli Bros., 11 William, New York
Reach Herman & Co., Inc. (Imp.), 71 B'way, New York
Richter Mfg. Co. (Plain, Decorated, etc), Tenafly, N. J.
Riegel Sack Co. (Importers), 8 W 40th, New York
Robinson Chas. A., 46 Beekman, New York
Ross Wm. & Co., 407 N Peoria, Chicago, Ill.
Scott Jas. & Sons, 346 B'way, New York
Taylor & Ellis, 485 B'way, New York
Texas Bag & Fibre Co., Houston, Tex.
Thompson's Samuel Nephew & Co. (Importers), 142 Duane, New York
Vedovi, G. A. (Importer), 29 B'way, N. Y.
Walsh's Sons & Co., Inc. (Dealers), Newark, N. J.

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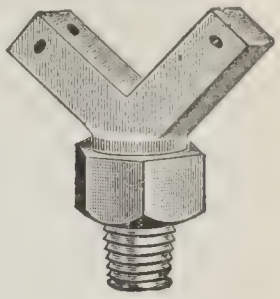

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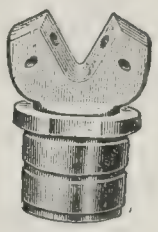

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Wertman Bag Co., 70 Dock, St. Louis, Mo., Houston, Tex., & Nashville, Tenn.
*See adv index at end of book*
**White Jas. F. & Co., 54 Worth, New York**
**Winne F. W. & Son, 237 Market, Phila., Pa.**
**Young & Metzner, 335 Vernon av, Long Island City, N. Y.**

## 1667—Burners (Acetylene Gas)

**AMERICAN LAVA CORP.** ("Alco"), Chattanooga, Tenn.
*See adv index at end of book*
**Carroll J. Bruce, 3057 Carroll, Chicago, Ill.**
**Colonial Mfg. Co., Chattanooga, Tenn.**
**Crane Wm. M. Co. ("Bray"), 16 W 32d, New York**
**Crescent Burner Mfg. Co. ("Crescent"), 116 E. 27th, New York**
**Drake Acetylene Burner & Supply Co., 1913 Mission, San Francisco, Cal.**
**Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.**
**Steward D. M. Mfg. Co. ("E. H."), Chattanooga, Tenn.**

## Burners (Automobile)

See Burners, Kerosene, Automobile; also Burners, Gasoline, Automobile

## 1668— Burners (Bunsen)

**Buffalo Dental Mfg. Co., Buffalo, N. Y.**
**Central Scientific Co., 460 E Ohio, Chicago, Ill.**
**Denver Fire Clay Co., Denver, Colo.**
**Detroit Heating & Lighting Co., Detroit, Mich.**
**Diagger A. & Co., 54 W Kinzie, Chicago, Ill.**
**Elmer & Amend, 201 E 18th, New York**
**Improved Apptrame Co., 413 Kent av, Brooklyn, N. Y.**
**Mine & Smelter Supply Co., Denver, Colo.**
**Scientific Utilities Co., Inc., 18 E 16th, New York**
**Stoelting C. H. Co., 3047 Carroll av, Chicago, Ill.**
**Tirrill Gas Machine Lighting Co., 103 Park av, New York**
**Whitall Tatum Co., 63 Barclay, New York**

## 1669— Burners (Coal Dust)

**MacLeod Co., 2227 Bogen, Cincinnati, O.**
*See adv index at end of book*
**Powdered Coal Engineering & Equipment Co., 2401 W Wash. pl, Chicago, Ill.**
**Stroud, E. H. & Co. ("Stroud"), 928-934 Fullerton av, Chicago, Ill.**

## 1670 — Burners (Combination Gas & Oil)

**Anthony Co., 9 Jackson av, Long Island City, N. Y.**
**Clark Cadie Harmon Corp. (For Heating Soldering Irons), Rochester, N. Y.**
**Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.**
**MacLeod Co., 2227 Bogen, Cincinnati, O.**
*See adv index at end of book*
**Rockwell W. S. Co., 50 Church, New York**
*See adv index at end of book*
**Surface Combustion Co., 366 Gerard av, New York**
**Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.**

## 1671—Burners (Electric Gas Lighting)

**Bogart A. L. Co. ("Bartholdi" Automatic), 55 Barclay, New York**
**Cleverly Electrical Works, 17 N 7th, Phila., Pa.**
**Electric Goods Mfg. Co. (Automatic Pendant), Canton, Mass.**
**Holtzer-Cabot Electric Co. (Automatic), Brookline, Mass.**
**Parke Jno. Y. & Co. ("Jypco"), 29 N 7th, Phila., Pa.**

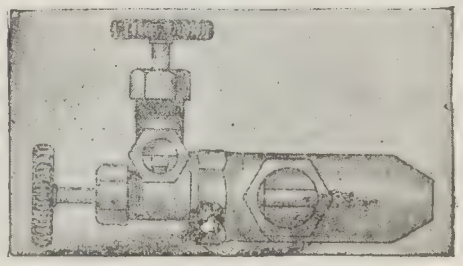
## 1672— Burners (Fuel Gas)

**Albrecht Francis J., 1146 Penn av, Pittsburgh, Pa.**
**American Gas Furnace Co., 24 John, New York**
**ANTHONY CO.,** 9 Jackson av, Long Island City, N. Y.
**Chatfied & Sharp ("Economy"), Jamestown, N. Y.**
**Creaghead Engineering Co., 340 Main, Cincinnati, O.**
**Crone F. G. ("Crone" for Steam or Hot Water Heaters, Furnaces, Stoves, etc), 281 W Fury, Buffalo, N. Y.**
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
**Foundry Equip. Co., 1833 Columbus rd, Cleveland, O.**
**Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.**
**Hausfeld Co., Harrison, O.**
**Hugo Mfg. Co., Duluth, Minn.**
**Kemp C. M. Mfg. Co., 405 E Oliver, Baltimore, Md.**
**MacLeod Co., 2227 Bogen, Cincinnati, O.**
*See adv index at end of book*
**Maxon Premix Burner Co., Muncie, Ind.**
**Metals Production Equipment Co., Springfield, Mass.**
**Naab Manufacturing Co. (The), 5904 Carnegie av, Cleveland, O.**
**North American Mfg. Co., 5904 Carnegie av, Cleveland, O.**
**OVEN EQUIPMENT & MFG. CO.** ("Crawford"), New Haven, Conn.
*See adv index at end of book*
**Parson Mfg. Co., 35 Nassau, New York**
**Precision Instrument Co. ("Metropolitan" Argand), 21 Halsey, Newark, N. J.**
*See adv index at end of book*
**Rockwell W. S. Co., 50 Church, New York.** *See adv index at end of book*
**Selas Co., 521 W 23d, New York**
**Strong, Carlisle & Hammond Co., 336 Frankfort av N W, Cleveland, O.**
**Surface Combustion Co., 368 Gerard av, New York**
**Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.**

## 1673— Burners (Fuel Oil)

**American Equipment Co. ("Fox"), Norristown, Pa.**
**ANTHONY CO.,** 9 Jackson av, Long Island City, N. Y.
**Bellevue Furnace Co., 703 Bellevue av, Detroit, Mich.**
**BEST W. N., INC.** ("Calorex"), 11 B'way, New York
**Braun Corporation (For Assayers' Liquid Fuel Furnaces), 363 New High, Los Angeles, Cal.**
**Burns Hydro Carbon Burner Co., Fort Plain, N. Y.**
**Coen Co. ("Coen" Mechanical), 112 Market, San Francisco, Cal.**
**Cox & Sons Co., 5th & Chestnut, Phila., Pa.**
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg., New York
*See adv index at end of book*


**BURNERS**



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**H. B. Dempsey Furnace Co.**

**Postal Telegraph Bldg. N. Y.**


**Foerst John & Sons, Bayonne, N. J.**
**Fdry. Equip. Co., 1833 Columbus rd, Cleveland, O.**
**Gearhart A. W., Fresno, Cal.**

BURNERS (FUEL OIL)—continued

Gilbert & Barker Mfg. Co. ("Gilbert & Barker" For Fuel Oil, Under Low Pressure), Springfield, Mass.
Gustin-Bacon Mfg. Co., Los Angeles, Cal. City, Mo.
Hammel Oil Burner Co., Los Angeles, Cal.
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
Hausfeld Co., Harrison, O.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Johnson S. T. Co. ("Johnson" Low Pressure Air System), 1334 Mission, San Francisco, Cal.
Lockett A. M. & Co., Ltd., 533 Baronne, New Orleans, La.
Loggers Oil Equipment Co., 230 Ash, Portland, Ore.
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
MacLeod Co. (Locomotive), 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Metals Production Equipment Co., Springfield, Mass.
**Monarch Engineering & Mfg. Co. ("Monarch" & "Rockwell"), American bldg,** Baltimore, Md.
Naab Manufacturing Co. (The), 5904 Carnegie av, Cleveland, O.
National Supply Co., 416 W Grand av, Chicago, Ill.
North American Mfg. Co., 5904 Carnegie av, Cleveland, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Parson Mfg. Co., 35 Nassau, New York
Petroleum Heat & Power Co., 511 5th av, New York
Production Engineering Co. ("Peco"), 1716 Spring Garden, Phila., Pa.
Reid Jos. Gas Engine Co., Oil City, Pa.
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Rogers Jno. M. Works: Gloucester City, N. J.
Schurs John (for Burning Brick, Clay, etc.), Los Angeles, Cal.
Schutte & Koerting Co. ("Koerting" Mechanical System, also Steam & Air Jet), 1251 N 12th, Phila., Pa.
Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, O.
Sullivan Edward S. Co. ("Von Boden-Ingles," for Locomotives, Marine & Stationary Boilers), Monadnock bldg, San Francisco, Cal.
Surface Combustion Co., 368 Gerard av, New York
Tate-Jones & Co., ("Kirkwood" for Boilers, Locomotives, Furnaces, Forges, Glass House Work, Open-Hearth, etc.), Empire bldg, Pittsburgh, Pa.
Weller Mfg. Co., 853 W North av, Chicago, Ill.
White Fuel Oil Engineering Corp., 742 E 12th, New York
Witt G. E. Co. ("Little Giant"), 862 Howard, San Francisco, Cal.

## 1674—Burners (Furnace Gas)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Brand Chas. F., 16th & Jacob, Wheeling, W. Va.
Creaghead Enginering Co., 340 Main, Cincinnati, O.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Kemp C. M. Mfg. Co. ("20th Century"), 405 E Oliver, Baltimore, Md.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Metals Production Equipment Co., Springfield, Mass.
Monarch Engng. & Mfg. Co., American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York. *See adv index at end of book*
Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York
Tate-Jones & Co. Empire bldg, Pittsburgh, Pa.

## Burners (Garbage)

See Garbage Burners, Water Heating

## 1675— Burners (Gas, Inverted)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Hyman Henry & Co. (Brass), 77 Chambers, New York
Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.
Smith F. A. Mfg. Co., Rochester, N. Y.

## 1676—Burners (Gas, Self-Lighting)

American Brass & Copper Co., 138 Lafayette, New York
Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.

## 1677— Burners (Gasoline)

Ashton Mfg. Co., 184 Emmet, Newark, N. J.
Best Light Co., 477 Second, N E, Canton, Ohio
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Climax Machine & Burner Co. ("Climax"), 133 3rd av, Newark, N. J.
Clough, Theo., ("Clough," "Maxim"), Dobbs Ferry, N. Y.
Incandescent Light & Stove Co. ("Stubbs"), Madisonville, Cincinnati, O.
**OVEN EQUIPMENT & MFG. CO.** ("Crawford"), New Haven, Conn.
*See adv index at end of book*
Ray Geo. A. Mfg. Co., Buffalo, N. Y.
Reliable Stove Co. ("Reliable Brazier"), 1787 E 40th, Cleveland, O.
Sun Vapor & Gas Street Light Co., Canton, O.
Tirrill Gas Machine Lighting Co., 103 Park av, New York
WAXHAM LIGHT CO., 318 W 46th, New York *See adv index at end of book*

## 1678—Burners (Gasoline, Automobile)

Carroll J. Bruce, 3057 Carroll, Chicago, Ill.
Dangler Stove Co., 5017 Perkins av, Cleveland, O.
Fowler Lamp & Mfg. Co. ("Fowler," for Motor Cars & Boats), 59 E 24th, Chicago, Ill.

## 1679— Burners (Hand Lamp)

Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.

## 1680—Burners (Hot Blast, Gas Stove)

Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Welmer Machine Works Co. ("Welmer"), Lebanon, Pa.

## 1681—Burners (Hydro-Carbon)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Braun-Knecht-Heimann Co. ("Cary," "Braun"), 576-584 Mission, San Francisco, Cal.
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
Calkins Co. ("Advance," "Challenge"), Los Angeles, Cal.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
Denver Fire Clay Co. ("Case"), Denver, Colo.
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
Rockwell, W. S. Co., 50 Church, New York
*See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 1682—Burners (Incandescent Gas)

See also Mantles, Incan. Lamp

Abrams-Orton Mfg. Co., Wadsworth, O.
Block Gas Mantle Co., Youngstown, O.
Climax Machine & Burner Co. ("Climax"), 133 3rd av, Newark, N. J.
Crane Wm. M. Co. ("Bray" Open Jet), 16 W 32d, New York
Hipwell Mfg. Co. ("Pittsburg"), 831 W North av, Pittsburgh, Pa.
Hyman Henry & Co. (Inverted & Upright), 77 Chambers, New York
Incandescent Burner Co., 395 Claremont av, Brooklyn, N. Y.
Kern Burner Co., 217 W 125th, New York
Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.
Miller Edw. & Co., Meriden, Conn.
Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.
Solar Light Co., 69 Wooster, New York
Tirrill Gas Machine Lighting Co., 103 Park av, New York
Unique Art Glass & Metal Co. ("Star"), 105 Vandeveer, Brooklyn, N. Y.
Welsbach Gas Lamp Co. ("Universal," "Standard" & "Consol"), 1008 Filbert, Phila., Pa. Works: Gloucester, N. J.

## 1683—Burners (Japanning or Baking)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
Hausfeld Co., Harrison, O.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co, 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York

## 1684—Burners (Kerosene, Automobile)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Ofeldt F. W. & Sons, Nyack, N. Y.

## 1685—Burners (Kerosene Oil)

See also Burners, Fuel Oil

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Ashton Mfg. Co, 184 Emmet, Newark, N. J.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Clark Cadle Harmon Corp. (For Heating Soldering Irons), Rochester, N. Y.
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Waterbury Mfg. Co., Waterbury, Conn.

## 1686—Burners (Lamp, Kerosene Oil)

Best Light Co., 477 Second, N E, Canton, Ohio
Bridgeport Brass Co., Bridgeport, Conn.
Miller Edw. & Co. ("Dual," "Solar," "Perfection Car," "Apollo," "Hero," "Jewell," "Venus," "Simplex," "Stellar," "Victor," "Excelsior," "Sun," "Favorite," "Lenith," "Niagara," "Lard oil," & "Vesta"), Meriden, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rochester Headlight Works (Jas. H. Kelly, Prop.), Rochester, N. Y.
**SCOVILL MFG. CO.** ("Queen Anne"), Waterbury, Conn.
*See adv index at end of book*
Waterbury Brass Goods Corp., Waterbury, Conn.
Waxham Light Co. (Mantle Lamps), 318 W 46th, New York
*See adv index at end of book*
Wheeling Stamping Co. ("Premier," Combination, "Regal," "White Light Mantle," "Champion," "Paull" & "Safety"), Wheeling, W. Va.

## 1687— Burners (Natural Gas)

Advance Mfg. Co., Erie, Pa.
Albrecht Francis J., 1146 Penn av, Pittsburgh, Pa.
American Brass & Copper Co., 138 Lafayette, New York
American Fdry. & Mfg. Co., 11th & Hebert St. Lopis, Mo.
American Lava Corp. ("Alco," "E. H.," "New Market," "Stove Junbo," "Bray"), Chattanooga, Tenn.
*See adv index at end of book*
American Stove Co. ("Quick Meal," "Reliable," "Jewell"), 827 Chouteau av, St. Louis, Mo.

**ANTHONY CO.**, 9 Jackson av, Long Island City, N. Y.
Brand Chas. F. (Also for Heating Boilers), 16th & Jacob, Wheeling, Va.
Brown Frank P., 45 N 6th, Phila., Pa.
Calkins & Pearce ("Rex"), 751 E Long, Columbus, O.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
**DEMPSEY H. B. FURNACE CO.**, Postal Telegraph bldg, New York
*See adv index at end of book*
Enterprise Foundry Co., (Ltd.) N S, Nixon & Manhattan, Pittsburgh, Pa.
Franklin Co. ("Franklin-Adapti"), Canton, Ohio
Gwynn Gas Burner & Engng. Co., Empire bldg, Pittsburgh, Pa.
Hausfeld Co., Harrison, O.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Jamison T. H. ("Tremaine"), Claysville, Pa.
Johnson Gas Appliance Co., Cedar Rapids, Ia.
Kern Burner Co., 217 W 125th, New York
Lawson Mfg. Co. ("Lawson," "Homestead" & "Rex"), Lexington & Thomas, Pittsburgh, Pa.
Love Mfg. Co., Corry, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.
Metals Production Equipment Co., Springfield, Mass.
Minneapolis Gas Fixture Co., 814 Hennepin av, Minneapolis, Minn.
Odin Stove Mfg. Co. ("Tri-Odin," "Penn"), Erie, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
O'Reilly M. J. ("O'Reilly"), 364 Maryland, Buffalo, N. Y.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Stamford Gas Stove Co., Stamford, Conn.
Standard Heating & Radiator Co. ("Standard" for Hot Air, Steam & Hot Water Heating Boilers), Penn & Barbeau, Pittsburgh, Pa.
Steward D. M. Mfg. Co. ("E. H." & "Jumbo"), Chattanooga, Tenn.
Surface Combustion Co., 368 Gerard av, New York
Union Gas Burner Co., 369 Ellicott, Buffalo, N. Y.
Van Houten E. J. S., 96 Park pl, New York
Wagner Mfg. Co., Sidney, Ohio
Waterbury Mfg. Co., Waterbury, Conn.
Wheeling Stove & Range Co., Wheeling, W. Va.
Williamson R. & Co., 601 Washington bl, Chicago, Ill.
Wilson Rowland S., 14 Wood, Pittsburgh, Pa.
Yonts C. H. & Co. ("Victor"), Meadville, Pa.

## 1688— Burners (Oil)

Advance Machine Co., 4645 Ravenswood av, Chicago, Ill.
**ANTHONY CO.** (Fuel Oil), 9 Jackson av, Long Island City, N. Y.
Clark Cadle Harmon Corp. (For Heating Soldering Irons), Rochester, N. Y.
**DEMPSEY H. B. FURNACE CO.**, Postal Telegraph bldg, New York
*See adv index at end of book*
Hausfeld Co., Harrison, O.
Hammel Oil Burning Equipment Co., 409 Pine, Providence, R. I.
**LUNKENHEIMER CO.**, Executive Offices & Factory, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

Portable or Fixed, in many sizes and designs, suitable for work of every kind where heat is applied.
**MACLEOD CO., 2227 Bogen St., Cincinnati, O.**

Mahr Mfg. Co. (For Use With Compressed Air, Low Pressure Air or Steam), 1300 N. E. Quincy, Minneapolis, Minn.
National Airoil Burner Co., 9th & Thompson, Phila., Pa.
North American Mfg. Co., 5902 Carnegie av, Cleveland, Ohio
Schutte & Koerting Co. (Air Jet, Steam Jet, Mechanical), 1251 N 12th, Phila., Pa.
Steam Supply & Rubber Co., 79 Washington, Seattle, Wash.
Surface Combustion Co. (For Furnaces), 368 Gerard av, New York
White Fuel Oil Engineering Corp., 742 E 12th, New York
Wilgus Mfg. Co. (For Steam Boilers), 229 Boyd, Los Angeles, Cal.

## 1689—*Burners (Powdered Coal)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 1690—Burners (Pyrites & Sulphur)

Bethlehem Foundry & Machine Co. (for Chemical Mfrs., etc), South Bethlehem, Pa.
Carthage Machine Co. ("Wise"), Carthage, N. Y.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Glens Falls Machine Works ("Trombley-Paul" Rotary), Glens Falls, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Pratt Engineering & Machine Co., Atlanta, Ga.
Stebbins Engineering & Mfg. Co. ("Stebbins" Oxidizing), Watertown, N. Y.
Valley Iron Works Co. ("Vesuvius"), Appleton, Wis.

## 1691— Burners (Refuse)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Capital Wire Co., Madison, Wis.
Casey-Hedges Co., Chattanooga, Tenn.
Clark W. J. Co. ("Safety"), Salem, O.
Cyclone Fence Co., Waukegan, Ill.
Destruction Co., 111 B'way, New York
Jackson & Church Co., Saginaw, Mich.
MacLeod Co., 2227 Bogen, Cincinnati, O.
Marinette Boiler Works, Marinette, Wis.
Muskegon Boiler Works, Muskegon, Mich.
Pennsylvania Wire Works ("Pen Dar"), 412 N. 18th, Phila., Pa.
Quinn & Co. ("Quinn," Flat Top Dutch Oven Furnace), 223 E 9th, Cincinnati, O.
Rodgers Boiler & Burner Co., Muskegon, Mich.
Seattle Boiler Works, Ballard, Seattle, Wash.
Shannon Mfg. Co., 224 W 26th, New York
Tomahawk Steel & Iron Works, Tomahawk, Wis.
Wickwire Spencer Steel Corp. (Perforated Metals), Worcester, Mass.
*See adv index at end of book*

## 1692— Burners (Rubbish)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Cyclone Fence Co. (Wire & Steel), Waukegon, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Majestic Co., Huntington, Ind.
Page Steel & Wire Co., Adrian, Mich.
Smith John P. & Co., New Haven, Conn.
Wagner Mfg. Co., Sidney, Ohio

## 1693—Burners (Special) Laboratory)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Detroit Heating & Lighting Co., Detroit, Mich.
Surface Combustion Co., 366 Gerard av, New York
Tirrill Gas Machine Lighting Co., 103 Park av, New York

## 1694— Burners (Tar)

**ANTHONY CO.**, 9 Jackson av, Long Island City, N. Y.
Best W. N., Inc. ("Calorex"), 11 B'way, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Parson Mfg. Co. ("Parson"), 35 Nassau, New York
Tate-Jones & Co., Empire bldg., Pittsburgh, Pa.

## 1695— Burners (Urn)

Clayton & Lambert Mfg. Co. (Gasoline), 1370-80 Beaubien, Detroit, Mich.

## 1696— Burners (Weed)

Commonwealth Steel Co. ("M. K. & T.," for Removing Weeds from Tracks), Pierce bldg, St. Louis, Mo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 1697— Burning Brands

Allen, Doane & Co., 29 Cornhill, Boston, Mass.
American Stamp Mfg. Co., 85 John, New York
Barnard Stamp Co., 311 Olive, St. Louis, Mo.
**BEACH-RUSS CO.** (Self Heated, Air Blast, Gas), 216-224 B'way, New York
*See adv index at end of book*
Black A. S., 206 Longworth, Cincinnati, O.
Brunner & Lay, 570 W Polk, Chicago, Ill.
**BUTLER A. G., INC.**, 152 Chambers, New York
Dickey-Grabler Works, W Madison & 103d, Cleveland, O.
Gibson A. C. Co., Buffalo, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Haynes & Co., 75 Westminster, Providence, R. I.
Illig & Hartmann, 211 Pine, St. Louis, Mo.
Knight H. W. & Son, Seneca Falls, N. Y.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Mulhaupt F. Jos., Lafayette, Ind.
Mulinari P., 118 Light, Baltimore, Md.
Murdock Jas. W. J. Co., 116 Opera pl, Cincinnati, O.
Ness Geo. M., Jr., 61 Fulton, New York
New York Stencil Works, 100 Nassau, New York
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Northwestern Stamp Works (Also Shingle Brands), 110 E 3rd, St. Paul, Minn.
Parker T. M., Hartford, Conn.
Sackmann F. A. ("F-A-S"), 810 Prospect S E, Cleveland, O.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Stewart R. A. & Co. (Brass), 201 B'way, New York
Stortz John & Son, 210 Vine, Phila., Pa.
Utermohle G. A. & Co., 133 Cheapside, Baltimore, Md.
Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.

## 1698—Burnishers (Cabinet Makers)

Buck Bros., Millbury, Mass.
Disston Henry & Sons, Tacony, Phila., Pa.

## 1699— Burnishers (Heel)

For Cobblers' Use

Richard Stephen Co. ("S. R."), Southbridge, Mass.
United Shoe Machinery Co., 205 Lincoln, Boston, Mass.

## 1700—Burnishing (Steel Ball Process)

**ABBOTT BALL CO.** ("Abbott"), Elmwood station, Hartford, Conn.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Mechanical Plating Co., 616 W Monroe, Chicago, Ill.

## 1701—Burrs (Brass & Copper)

**GRAMMES L. F. & SONS**, Allentown, Pa.
*See adv index at end of book*
Hussey C. G. & Co., 2850 2nd av, Pittsburgh, Pa.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
North American Copper Co., 52 Vanderbilt av, New York
Reed & Prince Mfg. Co., Worcester, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.

## 1702—Burrs (For Sharpening Pulp Stones)

Ticonderoga Machine Works, Ticonderoga, N. Y.

## 1703— Burrs (Riveting)

See also Rivets, Various Kinds

Bettcher Stamping & Mfg. Co., 6120 Clark av, S. W., Cleveland, O.
*See adv index at end of book*
Cleveland Wrought Prods Co., W 58th & W. L. E. Belt Line, Cleveland, O.
Falls Rivet Co., Kent, O.
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. Sons, Allentown, Pa.
*See adv index at end of book*
Jenkinson, R. C. & Co. (Steel), 293 Washington, Newark, N. J.
Kirk-Latty Mfg. Co., 1971 W. 85th, Cleveland, O.
Matthews H. A. Mfg. Co. (Steel), Seymour, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Sessions J. H. & Son (Steel), Bristol, Conn.
Sharon Steel Hook Co. (Steel), Sharon, Pa.
**STANLEY WORKS (Steel), New Britain, Conn.** *See adv index at end of book*
Wrought Washer Mfg. Co., Milwaukee, Wis.

## 1704— *Burrs (Soft Steel)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**STANLEY WORKS, New Britain, Conn.**
*See adv index at end of book*

## 1705— *Bushings ("Arguto")

**ARGUTO OILLESS BEARING CO.,** Wayne Junction, Phila., Pa.
*See adv index at end of book*

## 1705a—Bushings (Automobile)

Ellison Brass Mfg. Co., Jamestown, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.

## 1706— Bushings (Brass)

Acheson Mfg. Co., Rankin, Pa.
Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Aluminum Castings Co., 2210 Harvard, Cleveland, O.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Atlas Brass Foundry Co., 980 Park, Columbus, O.
Buckeye Iron & Brass Works, Dayton, O.
**BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.**
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
**Crane Co., Bridgeport, Conn.**
Darling Valve & Mfg. Co. (Ltd.) (Brass), Williamsport, Pa.
Detroit Sanitary Supply Co. ("Clean Sweep"), 1191 Second, Detroit, Mich.
Dixie Brass & Foundry Co., Birmingham, Ala.
Eagle Brass Foundry Co., Seattle, Wash.
*See adv index at end of book*
Edna Brass Mfg. Co. (Brass), Cincinnati, Ohio
Ellison Brass Mfg. Co., Jamestown, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
Exeter Brass Works, Exeter, N. H.
General Fire Extinguisher Co., Providence, R. I.
**Glauber Brass Mfg. Co., 49th & Superior av, Cleveland, O.**
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Haines, Jones & Cadbury Co., 1136 Ridge** av, Phila., Pa.
Hamlin & Emery Brass Co. (Brass, Flush **& Hexagon), 49 Island, Boston, Mass.**
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Humason Mfg. Co., (Turned), Forestville Station, Bristol, Conn.
*See adv index at end of book*
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kokomo Brass Works (Brass Soldering), Kokomo, Ind.
**LUNKENHEIMER CO., Executive Office & Factories: Beekman & Waverly, Cincinnati, O.** *See adv index at end of book*
McCambridge Co., 315 N. 20th, Phila., Pa.
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
McNab & Harlin Mfg. Co. (Brass & Iron **Pipe, etc), 55 John, New York**
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Medina Stamping & Machine Co., Medina, N. Y.
Metaline Co. ("Metaline"), West av, Long Island City, N. Y.
**Monarch Brass Co., Cleveland, O.**
**MORE-JONES BRASS & METAL CO.** (Brass & Bronze), B'way & Dock, St. Louis, Mo. *See adv index at end of book*
National Bronze & Aluminum Foundry Co., 2539 E. 79th, Cleveland, O.
Newark Brass Works, 22 Lawrence, Newark, N. J.
Newbury J. H., Goshen, N. Y.
New Process Specialty Co., 230 Hanover, Milwaukee, Wis.
Perkes Chas. (Est of), 627 Arch, Phila., Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Richter Brass Co., 210 E 9th, Cincinnati, O.
Ryan J. J. & Co., 100 S Jefferson, Chicago, Ill.
Ryder Brass Fdry. Co., Bucyrus, O.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Spafford Machine Screw Wks., Hartford, Conn.
Steel City Electric Co. ("Fullman" for **Rigid Conduit), Hale bldg, Phila., Pa.**
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Titanium Bronze Co., Inc., Niagara Falls, N. Y.
Try-Me Mfg. Co., Westfield, Mass.
Union Brass & Metal Mfg. Co., Lawson & **Mackubin, St. Paul, Minn.**
United Wire & Supply Co., Elmwood Station, Providence, R. I.
Waltham Screw Co. (Brass, etc), Waltham, Mass.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.
**Woodward-Wanger Co., 1106 Spring Garden, Phila., Pa.**

## 1707— Bushings (Bronze)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
Aluminum Castings Co. ("Lynux"), 2210 Harvard, Cleveland, O.
American Bronze Corp. ("Non-Gran"), Berwyn, Pa.
Atlas Brass Foundry Co., 980 Park, Columbus, O.
Brown A. & F. Co., 79 Barclay, New York
**BUNTING BRASS & BRONZE CO.,** 738 Spencer, Toledo, O.
*See adv index at end of book*
Central Brass & Fixture Co., Springfield, O.
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Eagle Brass Foundry Co., Seattle, Wash.
*See adv index at end of book*
Ellison Brass Mfg. Co., Jamestown, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
**Fowler Lamp & Mfg. Co. ("Fowler," for Motor Cars & Boats), 59 E 24th, Chicago, Ill.**
Ideal Bronze Co., 1265 E. 55th, Cleveland, O.
**Johnson Bronze Co., New Castle, Pa.**
Kidder R. E. Co., Worcester, Mass.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
**LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.**
*See adv index at end of book*
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Merriman Bros. (Self-Lubricating), 185 Amory, Jamaica Plains, Boston, Mass.
National Aluminum Co., Racine, Wis.
National Bronze & Aluminum Foundry Co., 2539 E. 79th, Cleveland, O.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Price Bros. (To Specifications), Frederick, Md.
Ryder Brass Fdry. Co., Bucyrus, O.
Spafford Machine Screw Wks., Hartford, Conn.
**Sterling Specialty Co., Newcomerstown, O.**
Titanium Bronze Co., Inc., Niagara Falls, N. Y.
**Williams E. A. & Sons, 109 Plymouth, Jersey City, N. J.**

## 1707a— Bushings (Bung Hole)

American Tap Bush Co., 102 Iron, Detroit, Mich.
**Heartley Machine, Variety Iron & Tool Works ("Gardner" Double Flange, Oval & Round), 900 Summit, Toledo, O.**
**National Bush Co., 2 Rector, New York**
U. S. Bung Mfg. Co., 50 S 2nd, Brooklyn, N. Y.

## Bushings (Conduit)

See Bushings, Outlet & Locknut

## 1708-9—Bushings (Damper)

Parker Supply Co. (Ball Bearings), 785 E 135th, New York

## 1710— Bushings (Expansion)

Brown & Sharpe Mfg. Co., Providence, R. I.

## 1711— Bushings (Graphite)

**Acheson Graphite Co., Niagara Falls, N. Y.**
Bound Brook Oil-less Bearing Co. ("Nigrum" Graphite Impregnated Wood, Oil-less), Bound Brook, N. J.
National Equipment Co., 122 S Michigan, Chicago, Ill.

## 1712— Bushings (Hard Fibre)

See also Fibre, Hard

Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
National Fibre & Insulation Co., Yorklyn, Del.
**SPAULDING J. & SONS CO., INC.,** P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*
Wilmington Fibre Specialty Co., Wilmington, Del. *See adv index at end of book*

## 1713—*Bushings (Insulation)

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 1714— Bushings (Oil Switch)

Electrose Mfg. Co., Washington & Plymouth, Brooklyn, N. Y.

## 1715—Bushings (Outlet & Locknut)

Adapti Mfg. Co. (Conduit Outlet), 919 West, Cleveland, O.
Appleton Electric Co., Willington & Paulina, Chicago, Ill.
**Belcher & Loomis Hdw. Co. ("Boss" Outlet), 89 Weybosset, Providence, R. I.**
Bonnell W. A., 192 Chambers, New York
Buchanan J. F. & Co., 1719 Chestnut, Phila., Pa.
Condit Electrical Mfg. Co. ("Shawmut"), 1st & L, Boston, Mass.
Electrical Specialty Mfg. Co. ("Boss"), 49 Beaufort, Providence, R. I.
Fairmount Elec. & Mfg. Co. ("Bendhicks"), 59th & Woodland av, Phila., Pa.
Federal Sign System (Electric), 8700 S State, Chicago, Ill.
Gillette-Vibber Co., New London, Conn.
Grabler Mfg. Co., Cleveland, O.
Harter Mfg. Co., 522 S Clinton, Chicago, Ill.
Krantz Mfg. Co., 160 7th, Brooklyn, N. Y.
Leveridge Chas. W. ("L. & L."), 133 Liberty, New York
Multi Electrical Mfg. Co. ("Multi"), 703 Fulton, Chicago, Ill.
National Metal Molding Co. ("National" Conduit Metal), 1110 Fulton bldg, Pitsburgh, Pa.
New Process Specialty Co. ("Universal"), 230 Hanover, Milwaukee, Wis.
Pass & Seymour, Solvay, N. Y.
Peru Elec. Co., Peru, Ind.
**Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.**

**Pratt Chuck Co. (Lock Nut Only), Frankfort, N. Y.**
Rattan Mfg. Co., New Haven, Conn.
**Sprague Elec. Works, 527 W 34th, New York**
Standard Electric Fitting Co., Stamford, Conn.
**Steel City Elec. Co. ("Star," "Ovalduct"), 1207 Columbus av, Pittsburgh, Pa.**
Thomas & Betts Co., 63 Vesey, New York
**Troy Electrical Co. ("Teco"), Troy, N. Y.**
V. V. Fittings Co., 1906 N 6th, Phila., Pa.

## 1716—Bushings (Phosphor Bronze)

**Boston & Lockport Block Co., 100 Condor, E Boston, Mass.**
**BUNTING BRASS & BRONZE CO., 738 Spencer, Toledo, O.**
*See adv index at end of book*
**Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.**
*See adv index at end of book*
Ellison Brass Mfg. Co., Jamestown, N. Y.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
Hill-Smith Metal Goods Co. ("H.-S."), 82 Brookline av, Boston, Mass.
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
National Bronze & Aluminum Foundry Co., 2539 E. 79th, Cleveland, O.
**PHOSPHOR BRONZE SMELTING CO.** ("Elephant" Brand, Unfinished), 2200 Washington av, Phila., Pa.
Ryder Brass Fdry. Co., Bucyrus, O.
**Seymour Mfg. Co., Seymour, Conn.**
Titanium Bronze Co., Inc., Niagara Falls, N. Y.

## 1717— Bushings (Pipe)

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
**Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.**
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**LUNKENHEIMER CO.** (Brass), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**Malleable Iron Fittings Co., Branford, Conn.**
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

## Bushings (Porcelain)

**See Porcelain Specialties, Electrical, etc.**

## 1718—Bushings (Pulley, Etc.)

**ARGUTO OILLESS BEARING CO.** ("Arguto" Oilless), Wayne Junction, Phila., Pa. *See adv index at end of book*
**Bound Brook Oil-less Bearing Co. ("Nigrum" Impregnated Wood, Oil-less), Bound Brook, N. J.**
**Brown Engineering Co. ("Brown," Ring Oiling, Loose Pulley), 110 N 3rd, Reading, Pa.**
*See adv index at end of book*
Bunting Brass & Bronze Co. (Bronze), 738 Spencer, Toledo, O.
*See adv index at end of book*
**Campbell Machinery Co. ("Bull Dog"), 35 W 39th, New York**
**Channon Jas. H. Mfg. Co. (Self Lubricating Graphite Bronze), 227 W Erie, Chicago, Ill.**
Johnson Bronze Co., New Castle, Pa.
Link-Belt Co., 329 W. 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry., Phila, Pa. *See adv index at end of book*
**National Equipment Co. (Steel & Self Lubricating), 122 S Michigan, Chicago, Ill.**
**Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.**
**Saginaw Mfg. Co., Saginaw, Mich.**
**South Bend Dowel Works, South Bend, Ind.**
**Wolf Co., Chambersburg, Pa.**
**Wood's T. B. Sons Co. (Cast Iron Goods, Pulley, etc), Chambersburg, Pa.**

## 1719— Bushings (Radiator)

**Flagg Stanley G. & Co., Morris bldg, Phila., Pa.**
**Kelly & Jones Co., Greensburg, Pa.**
Neuman-Warnock Co., Beaver Dam, Wis.
**Ravena Iron Co., Ravena, N. Y.**

## Bushings (Rawhide)

**See Gears & Pinions, Rawhide**

## 1720— Bushings (Reaming)

**Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.**

## 1721—Bushings (Roller Bearing)

**Boston & Lockport Block Co., 100 Condor, East Boston, Mass.**
**Hyatt Roller Bearing Co., Harrison, N. J.**
**Merriman Bros. (Self-Lubricating), 185 Amory, Boston, Mass.**
**Torrey Roller Bushing Works, Bath, Me.**

## Bushings (Rubber)

**See Rubber Goods Manufacturers, Mechanical**

## 1722— Bushings (Socket)

**American Hard Rubber Co., 9 Mercer, New York**
**Auburn Button Works, Auburn, N. Y.**
**Brock A. S. Rubber Co., 57 Broad, Boston, Mass.**
**Electrose Mfg. Co. (Composition), 70 Washington, Brooklyn, N. Y.**
**Hemming Mfg. Co., Garfield, N. J.**
**Hubbell Harvey, Bridgeport, Conn.**
**International Insulating Corp., 25 W. 45th, New York**
**Johns-Manville H. W. Co. ("Electrobestos"), Madison av & 41st, New York**
**Scranton Button Co. (Socket & Plain), Scranton, Pa.**
**Siemon Hard Rubber Corporation, Bridgeport, Conn.**
**Stewart Frank H. Electric Co. ("Knostrain"), 35 N 7th, Phila., Pa.**

## 1722a— *Bushings (Tractor)

**Bunting Brass & Bronze Co., 738 Spencer, Toledo, O.** *See adv index at end of book*
**Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.**

## 1723—Bushings (Trolley Wheel)

**Boston & Lockport Block Co., 100 Condor, East Boston, Mass.**
**Bound Brook Oil-less Bearing Co. ("Nigrum" Impregnated Wood Oil-less), Bound Brook, N. J.**
**Brill J. G. Co., 62d & Woodland av, Phila., Pa.**
**Elec. Railway Equip. Co., Cincinnati, O.**
**Eureka Co., North East, Pa.**
**Hodgkins J. F. Co., Gardiner, Me.**
**Ives H. B. Co. ("New Haven"), New Haven, Conn.**
**NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.**
*See adv index at end of book*
**Torrey Roller Bushing Works, Bath, Me.**

## 1724— Bushings (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
**Boundbrook Oil-Less Bearing Co., N Main, Boundbrook, N. J.**
**ESTES E. B. & SONS, 364 5th av, New York.** *See adv index at end of book*
**Piqua Handle & Mfg. Co., P O Box 307, Piqua, O.**
**STEVENSON MFG. CO., South Bend, Ind.**
*See adv index at end of book*


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## STEVENSON MFG. CO.

SOUTH BEND, IND.


Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1724a— *Business Systems

**HOLMES E. J. & CO., 110 S Dearborn, Chicago, Ill.** *See adv index at end of book*

## Butter Workers

**See Dairy Apparatus & Supplies**

## 1725—Butterises (Blacksmiths')

**Auer John Jr., 197 Middleton, Brooklyn, N. Y.**
Germantown Tool Works, Germantown, 521 Market, Phila., Pa.
**Goodell-Pratt Co., Greenfield, Mass.**

## 1726— Button Back Mfrs.

**WATERBURY BUTTON CORPORATION,** 831 So Main, Waterbury, Conn.
*See adv index at end of book*
**White L. C. Co., Waterbury, Conn.**

## 1727—Button Dies, Parts & Supplies

**Illinois Modern Button & Machine Co., 2407 W Ohio, Chicago, Ill.**
**WATERBURY BUTTON CORPORATION,** (Molds, Backs & Shells), 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1728— Button Mfrs.

**Akron Mfg. Co., Akron, N. Y.**
**American Hard Rubber Co. (Hard Rubber), 9 Mercer, New York**
Art in Buttons, Inc., Rochester, N. Y.
Bogert & Hopper, Inc. (Wooden Collar), 57 Barclay, New York
*See adv index at end of book*
**Brophy Chas. A. (Uniform), Aurora, Ill.**
**Century Button Works, 25 W 38th, New York**
**Columbia Button Works, 229 W 28th, New York**
**Conly J. A. Button Co., 116 N State, Chicago, Ill.**
Crowe-Keane Button Co., Botsford, Conn.
**Custen Bros., 111 5th av, New York**
**Erie Button Works, Memphis, Tenn.**
**Fashion Button Works, 344 W 38th, New York**
French Button Works, 108 N Franklin, Phila., Pa.
Froud H. P. & Son, Inc., 271 Douglas, Brooklyn, N. Y.
**Geraghty & Co., 3035 W Lake, Chicago, Ill.**
Globe Trimming & Button Co., 149 W 23d, New York
**Goldberg-Davidson & Co., 1161 B'way, New York**
**Illinois Modern Button & Machine Co. 2407 W Ohio, Chicago, Ill.**
**Janeway Button Co., New Brunswick, N. J.**
Jersey Button Works, 134 W 26th, New York
Leader Button Co., 48 W 27th, New York
**Lindenhurst Mfg. Co., Lindenhurst, N. Y.**
Luber Button Works, 1265 B'way, New York
McKee & Bliven Button Co., Muscatine, Ia.
*See adv index at end of book*
Metropolitan Button Co., 55 W. 25th, New York
New York High Grade Button Wks, 166 Geary, San Francisco, Cal.
**Novelty Button Works, 312 7th av, New York**
**Penn Button Works, 18th & Hamilton, Phila., Pa.**
**Phelps & Sons Mfg. Co., 10 Pennington, Newark, N. J.**
Rothschild Bros. & Co., 1115 B'way, New York
**Rothschild-Kuno Button Works, 107 W 25th, New York**
**Saugatuck Mfg. Co., Saugatuck, Conn.**
**SCOVILL MFG. CO.** (Dress, Jumper, Overall, Patented, Uniform Sew-On), Waterbury, Conn.
Shantz M. B., 237 S Wells, Chicago, Ill.
**Smith E. F. & Son, Union City, Conn.**
Standard Button Works, 417 6th av, New York
**Sun Enamel Works (Wood, Enameled, etc), Leominster, Mass.**
**Tri-City Button Co., Davenport, Ia.**
**United Button Co., 4th av & 17th, New York**
**Wade Button Co., 55 Sudbury, Boston, Mass.**
Waldes & Co., Inc., 315 5th av, New York
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*
Waterbury Steel Ball Co. (Glove & Cloth Covered), 300 Aurora, Waterbury, Conn.
*See adv index at end of book*

BUTTON MFRS.—continued

**Wendtland Wm., 51 Mercer, New York**
Western Button Factory (Bone Buttons, All Sizes), 15th & Utah, San Francisco, Cal.
**York Button Works, B. & Allegheny, Phila., Pa.**

## 1729—Buttoners (Glove & Shoe)

**Arlington Works, The (du Pont E. I. de Nemours & Co.), Wilmington, Del.**
**Celluloid Co. (Celluloid Hooks), 36 Washington pl, New York**
**Grammes L. F. & Sons, Allentown, Pa.**
*See adv index at end of book*
**Havell Mfg. Co. (Glove), 284 Washington, Newark, N. J.**
**Novelty Cutlery Co., Canton, O.**
**Potter & Snell, Deep River, Conn.**
**Ross Jos. & Co. (Glove Hooks), Irvington, N. J.**
**United Awl & Needle Co., West Medway, Mass.**
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1730— Buttons (Bone)

**Armour Fertilizer Works, Union Stock Yards, Chicago, Ill.**
**Hafleigh & Co., Cambria & N American, Phila., Pa.**
**Rogers Mfg. Co., Rockfall, Conn.**
**Rogers & Hubbard Co., Middletown, Conn.**
**Wahl Emil Mfg. Co., Pulaski av & Ruffner, Phila, Pa.**
Western Button Factory (All Sizes), 15th & Utah, San Francisco, Cal.

## 1731— Buttons (Celluloid)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Harris Benj. Co. (Campaign), 229 Bowery, New York
**Hill Button Works, 230 W 17th, New York**
Leominster Sheet Goods Mfg. Co. (Hair Tip), Leominster, Mass.
**Reading Ribbon Badge Co., Reading, Pa.**
**St. Louis Button Co. (Advertising), 413 Lucas av, St. Louis, Mo.**
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*
**WATERBURY STEEL BALL CO.** (Glove), 300 Aurora, Waterbury, Conn.
*See adv index at end of book*
Whitehead & Hoag Co., 272 Sussex av, Newark, N. J.

## Buttons (Clinch)

See Buttons, Tufting

## 1732—Buttons (Cloth Covered)

American Button Works, 48 W. 21st, New York
**Blaine Bros. & Krasnov, 25 W 20th, New York**
**Cincinnati Cloth Button Co., 536 Main, Cincinnati, O.**
**City Button Works, 376 2d av, New York**
**Cloak & Suit Button Co., 60 W 27th, New York**
**Custen Bros., 111 5th av, New York.**
**Drucker Bros., 113 W 31st, New York**
**Eagle Button Works, 55 Chrystie, New York**
**Franklin Button Works, 1023 Vine, Phila., Pa.**
**Imperial Button Co., 27 N 7th, Phila., Pa.**
**Lane Mfg. Co., Waterbury, Conn.**
**Milwaukee Button Co., 710 Merrill blvd, Milwaukee, Wis.**
**N. Y. Button Works, 143 W 19th, New York**
**Philadelphia Button Co., 21 N 7th, Phila., Pa.**
**Rogers Button Co. (Est. of), Springfield, Mass.**
**Royal Button Works, 13 W 17th, New York**
**Royal Button Works, 505 Market, Phila., Pa.**
S. & S. Button Works, 408 6th av, New York
**Sabel J. Button Co., 6620 S State, Chicago, Ill.**
St. Louis Plume & Plaiting Co., 620 N B'way, St. Louis, Mo.
**SCOVILL MFG. CO.** (Dress & Cloak), Waterbury, Conn.
*See adv index at end of book*
**Star Button Works, 53 W 28th, New York**
**Victoria Button Works, 23 W 30th, New York**
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*
**WATERBURY STEEL BALL CO.** (Silk Lustral), 300 Aurora, Waterbury, Conn.
*See adv index at end of book*
**Western Covered Button Co., 138 Wooster, New York**

## 1732a— Buttons (Collar)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Krementz & Co. (Gold), 49 Chestnut, Newark, N. J.
Smith & Crosby (Gold Front), Attleboro, Mass.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn.
*See adv index at end of book*
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1733— Buttons (Composition)

**Auburn Button Works, Auburn, N. Y.**
General Phonograph Corp., 25 W 45th, New York
**Turkeltaub M. & Son, 38 E 12th, New York**
**WATERBURY BUTTON CORPORATION,** 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1734— Buttons (Crochet)

**Blumenkrohn L. & Co., 13 W 27th, New York**
**Schloss Jos. W. Co., 160 5th av, New York**

## 1735— Buttons (Door)

**Arcade Mfg. Co. (Cast Iron), Freeport, Ill.**
**Corbin P. & F., New Britain, Conn.**
**Grey Iron Casting Co. (Japanned), Mt. Joy, Pa.**
**Hardware Supply Co., Grand Rapids, Mich.**
**Ney Mfg. Co., Canton, O.**
**Peck, Stow & Wilcox Co., Southington, Conn.**
**Penn Hardware Co., Reading, Pa.**
**Reading Hardware Co., Reading, Pa.**
**Russell & Erwin Mfg. Co., New Britain, Conn.**
**Sargent & Co., New Haven, Conn.**
**Sharon Hardware Mfg. Co. (Wrought Steel), Sharon, Pa.**
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*
**Watrous-Acme Mfg. Co., Des Moines, Ia.**

## 1736— Buttons (Horn)

**Armour Fertilizer Works, Union Stock Yards, Chicago, Ill.**
**Damon Co., Leominster, Mass.**
**Earl W. D. Co., Leominster, Mass.**
**Eureka Button Co., 684 B'way, New York**
**Griffin Button Co., Shelton, Conn.**
Leominster Shell Goods Mfg. Co., Leominster, Mass.

## 1737— Buttons (Ivory)

Art in Buttons, Inc., Rochester, N. Y.
**Blumenthal B. & Co., 15 E 26th New York**
**Empire Ivory Button Works, 826 B'way, New York**
**Federal Button Co., 365 Market, Newark, N. J.**
**Grote F. & Hubbell Co., 82 4th av, New York**
**Newark Vegetable Ivory Button Co., 228 High, Newark, N. J.**
**Philadelphia Button Co. (Imitation Ivory), 21 N 7th, Phila., Pa.**
**Pratt, Read & Co., Deep River, Conn.**
**Rochester Button Co., Rochester, N. Y.**
**Shantz M. E., Rochester, N. Y.**
**Sher Louis, 229 W 28th, New York**
**Superior Ivory Button Co., 49 Dickerson, Newark, N. J.**
**Turkeltaub M & Son, 38 E 12th, New York**
**Warsaw Button Co., Warsaw, N. Y.**
**WATERBURY BUTTON CORPORATION,** 831 So Main, Waterbury, Conn.
*See adv index at end of book*
**Weicht Adolph & Sons, 730 R, Sun, Phila., Pa.**
**Zneimer Nicolas Button Works, 102 S 11th, Newark, N. J.**

## 1737a— *Buttons (Laundry)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1738— Buttons (Metal)

**Asch Edgar S. Co. 30 W 36th, New York**
**Ball & Socket Mfg. Co., West Cheshire, Conn.**
**Blumenthal B. & Co., 15 E 26th, New York**
**Eagle Button Works (Covered), 55 Christie, New York**
Hatheway Mfg. Co. (For Garters), Bridgeport, Conn.
**Havell Mfg. Co. (Steel), 284 Washington, Newark, N. J.**
**Hill Button Works, 230 W 17th, New York**
**Imperial Button Co., 27 N 7th, Phila., Pa.**
**Liebmann R. Mfg. Co., 73 Bruen, Newark, N. J.**
Moore Bros., 39 S La Salle, Chicago, Ill.
*See adv index at end of book*
Orange Mfg. Co., 190 Emmett, Newark, N. J.
**Patent Button Co., Waterbury, Conn.**
**Radcliffe C. & Sons Co., 276 N. J. R. R. av, Newark, N. J.**
**Richmond Bros. Co., 177 Chestnut, Newark, N. J.**
**SCOVILL MFG. CO.** (All kinds), Waterbury, Conn. *See adv index at end of book*
Steele & Johnson Mfg. Co. (Plain & Fancy), Waterbury, Conn.
**Steel & Taylor Co., 141 W. 36th, New York**
**Tonks Bros., 227 High, Newark, N. J.**
**Universal Button Fastening & Button Co., 680 W Fort, Detroit, Mich.**
**WATERBURY BUTTON CORPORATION,** (Fancy), 831 So Main, Waterbury, Conn. *See adv index at end of book*
**WATERBURY STEEL BALL CO.,** 300 Aurora, Waterbury, Conn.
*See adv index at end of book*
**Whitehead & Hoag Co., 272 Sussex av, Newark, N. J.**

## 1739-40—Buttons (Pearl)

**Alma Mfg. Co., 611-61 S. Monroe, Baltimore, Md.**
**American Pearl Button Co., Washington, Iowa**
**American Pearl Button Works, 143 W 19th, New York**
**Automatic Button Co., Muscatine, Ia.,**
**Baker Alfred, 79 Orange, Newark, N. J.**
**Blakeman Chas. Sons Co., 236 Bank, Newark, N. J.**
**Blumenthal B. & Co., 15 E 26th, New York**
**Cameron W. L. Co., 507 W 50th, New York**
**Capoli Button Works, Lansing, Ia.**
**Chalmers Harvey & Son (Fresh Water), Amsterdam, N. Y.**
**Cleveland Button Co., 211 High av, Cleveland, O.**
**Cutters Pearl Mfg. Co., 55 Commercial, Newark, N. J.**
**Davenport Pearl Button Co., Davenport, Iowa**
**Davis Thos. & Sons, 103 Oliver, Newark, N. J.**
**Dolezal Jos., Long Island City, N. Y.**
**Dover Pearl Button Co. (Blanks), Dover, Ky.**
**Dvorak John & Sons, Little Ferry, N. J.**
**Dvorsky Co., 411 E 91st, New York**
**Edginton Walter, 210 Vine, Phila., Pa.**
**Edwards James, Newark, N. J.**
**Empire City Pearl Button Works, 10th, Long Island City, N. Y.**
**Erie Button Works, Erie, Pa.**
**Excelsior Pearl Works, 178 Grand, New York**
**Gemmi Bros. Co., 125 N 5th, Phila., Pa.**
**Going Mfg. Co., Amsterdam, N. Y.**
**Gotham Pearl Button Works, 45 E 17th, New York**
**Guenscht L., 182 Centre, New York**
**Hak Anton, West Willington, Conn.**

Hamburg Button Co., 1140 B'way, New York
Hampshire Pearl Button Co., Amsterdam, N. Y.
Hawkeye Pearl Button Co., Muscatine, Ia.
Haydenville Button Co., Haydenville, Mass.
Hirsch Leo. H & Co., 300 E 22d, New York
Hirshfeld Herman, New Milford, N. J.
Hodson John M., Boone & Markle, Phila., Pa.
Howell Chas. M., Waltham, Mass.
Hrovda Jos. & Co., 430 E 59th, New York
Huebner E. & Sons, 123 Van Buren, Newark, N. J.
Imperial Pearl Button Co., 131 W 23d, New York
International Button Co., Rochester, N. Y.
Kensington Pearl Button Co., Mascher & York, Phila., Pa.
Kral Wm. & Co., Franklin, Long Island City, N. Y.
Kubik Karl, 88 Warren, Newark, N. J.
Kupka & Follimel, W New York, N. J.
La Grange Pearl Button Co., La Grange, Mo.
McKee & Bliven Button Co., Muscatine, Ia.
Manhattan Pearl Button Mfg. Co., 195 Park pl, Long Island City, N. Y.
Masinda Wm., West Willington, Conn.
Mississippi Pearl Button Co., Burlington, Iowa
Mousley Arthur J., 673 S 16th, Newark, N. J.
National Pearl Works, 502 Mulberry, Newark, N. J.
National Pearl Works, 30 E 23d, New York
New England Button Co., 79 Summit, Newark, N. J.
New Jersey Button Works, Duryea, Newark, N. J.
Nord-Buffum Pearl Button Co., Louisiana, Mo.
Parizek Frank, West Willington, Conn.
Patent Pearl Works, 24 E 23rd, New York
Pence M. E., Dallas City, Ill.
Pioneer Pearl Button Co., 874 B'way, New York
Pioneer Pearl Button Co., Poughkeepsie, N. Y.
Popp James, 334 S. Clinton, Chicago, Ill.
Power & Kelsay, 377 B'way, New York
Progress Button Co., Marvine & Montgomery, Phila., Pa.
Reheis Bros., Newark, N. J.
Richards Walter W., Muscatine, Ia.
Robinson J. T. & Son, 45 E 17th, New York
Schmalz C. F. (Blanks), Muscatine, Ia.
Schner Block Co., Muscatine, Ia.
Schoor Samuel, West New York, N. J.
Standard Pearl Button Wks., 9814 Denison, Cleveland, O.
Standard Pearl Wks., Newark, N. J.
Superior Button Mfg. Co. (Fresh Water & Ocean), 41 N 11th, Phila., Pa.
Tonks Bros., 227 High, Newark, N. J.
Tri-City Button Co., Davenport, Ia.
Union Pearl Works (Cloak & Suit), 43 W 27th, New York
U. S. Button Co., Muscatine, Ia.
Vienna Pearl Button Mfg. Co., 20 W 27th, New York
Weber & Sons Button Co., Muscatine, Ia.
Wisconsin Pearl Button Co., LaCrosse, Wis.
Wranck Frank, 15th av, Long Island City, N. Y
Zeimer Nicolas Button Works, 107 S 11th, Newark, N. J.

## 1741— Buttons (Shoe)

Appelbee & Neuman, Inc., 23 Greene, New York
Art in Buttons, Inc., Rochester, N. Y.
Davis Thos. & Sons, 103 Oliver, Newark, N. J.
Elite Button Co., 220 W 19th, New York
Farnsworth, Hoyt & Co., 58 Lincoln, Boston, Mass.
Hardman Button Co., Beverly, Mass.
Haydenville Button Co. (Pearl), Haydenville, Mass.
Heaton Mfg. Co., 77 Cromwell, Providence, R. I.
Horley Button Mfg. Co., Portsmouth, N. H.
Horley Mfg. Co., 120 Boylston, Boston, Mass.
Rhodes M. M. & Sons Co., Taunton, Mass.
**WATERBURY BUTTON CORPORATION**, (Ivory & Metal), 831 So Main, Waterbury, Conn. *See adv index at end of book*

## 1742— Buttons (Stair)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Gould's M. Son & Co., 115 Lafayette, Newark, N. J.
Judd H. L. Co., 87 Chambers, New York
Kroder John & Hy., Reubel Co., Meeker av, Brooklyn, N. Y.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.

## 1743—*Buttons (Tool Makers')

**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 1744— Buttons (Tufting)

Atlas Tack Co., Fair Haven, Mass
Cincinnati Cloth Button Co., 536 Main, Cincinnati, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Higgin Mfg. Co. (Clinch, etc), Newport, Ky.
Horan Stay Hanger Co., 1932 W Jefferson, Louisville, Ky.
Metal Stamping Co. (Clinch, etc), 13th, Long Island City, N. Y.
Morley Button Mfg. Co. (Clinch, etc), Portsmouth, N. H.
Neider F. A. Co. ("Neider's" Patent Clinching), Augusta, Ky.
Tockwotton Co., Providence, R. I.
Tufting Machine & Supply Co., 268 E. Jefferson, Detroit, Mich.
United Button Co., 4th av & 17th, New York
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1745— Buttons (Uniform)

American Button Co., 70 Morris av, Newark, N. J.
American Railway Supply Co., 134 Charles, New York
City Button Works, 376 2d av, New York
Conlan Bernard & Co., 87 Hamilton, Newark, N. J.
Lane Mfg. Co., Waterbury, Conn.
N. Y. Button Works, 143 W 19th, New York
Pettibone Bros. Mfg. Co., 626 Main, Cincinnati, O.
Platt Bros. & Co., Waterbury, Conn.
**SCOVILL MFG. CO.**, Waterbury, Conn.
*See adv index at end of book*
Steele & Johnson Mfg. Co., Waterbury, Conn.
**WATERBURY BUTTON CORPORATION**, 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1746— Buttons (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Elmwood Button Co. (Enameled), Bridgeport, Conn.
**ESTES E. B. & SONS** (Laundry, Wood, Push, Stair, etc.), 364 5th av, New York. *See adv index at end of book*
Frary Mfg. Co., Charlemont, Mass.
South Bend Dowel Works, South Bend, Ind.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Butts (Brass)

See Hinges, Butt

## 1746a—*Butts (Ball Bearing)

**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 1746b— Butts (Bronze)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hager C. & Sons Hinge Mfg. Co., 2447 De Kalb, St. Louis, Mo.
Penn Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Stanley Works, New Britain, Conn.
*See adv index at end of book*
Western Brass Mfg. Co., Marshall blvd & W 21st, Chicago, Ill.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 1747— Butts (Cabinet)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
National Lock Co., Rockford, Ill.
Sharon Hardware Mfg. Co., Sharon, Pa.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1747a— *Butts (Car Door)

Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1747b— Butts (Casement)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Russell & Erwin Mfg. Co., New Britain, Conn.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1747c-d— Butts (Door)

Bommer Bros., 270 Willoughby av, Brooklyn, N. Y.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
**CORBIN P. & F.**, New Britain, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
Lawson Mfg. Co., 230 W Superior, Chicago, Ill.
McKinney Mfg. Co., Locust, Phila., Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1747e—*Butts (Full Surface)

Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1747f— Butts (Furniture)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 1747g—*Butts (Half Surface)

Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 1747h—*Butts (Metal Door)

Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 1747i— *Butts (Parliament)

**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 1747j— Butts & Hinges

**GRAMMES L. F. & SONS**, Allentown, Pa.
*See adv index at end of book*
Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
**STANLEY WORKS ("Stanley")**, New Britain, Conn. *See adv index at end of book*

## 1748— Buzzers (Car, Etc.)

Consolidated Car Heating Co. (High & Low Voltage), Albany, N. Y.

## 1748a—*Buzzers (Navy Standard)

Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*

## 1749— By-Passes (Gas Burner)

Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.

## 1750—By-Products Plants (Designers and Erectors)

Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Koppers Co., The (Ammonia, Benzol & Tar Recovery), Union Arcade, Pittsburgh, Pa.
**WESTERN GAS CONST. CO.**, Ft. Wayne, Ind.

## Cabinet Work for Buildings

See Interior Hardwood Work

## Cabinet Work (Metallic)

See Bank & Office Fixtures, Metallic

## 1751—*Cabinets (Bath Room, Metal)

**DAHLSTROM METALLIC DOOR CO.** (With Mirrors & Glass Shelves), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Wise J. B., Inc., Watertown, N. Y.

## 1752— Cabinets (Catalogue)

See also Filing Cabinets & Devices

American Bolt & Screw Case Co. (Dust Proof Revolving), Dayton, O.
Hamilton Mfg. Co. (Wood & Metal), Two Rivers, Wis.
**Medart Fred. Mfg. Co., De Kalb & Potomac St. Louis, Mo.** *See adv index at end of book*
**National Ticket Case Co., 842 W 35th, Chicago, Ill.**
Ohmer's M. Sons Co. (Dust Proof), Dayton, O.
Rowe Henry Mfg. Co., Newaygo, Mich.

## 1753— Cabinets (Clothing)

Grand Rapids Show Case Co. (Sectional), Grand Rapids, Mich.
Hamburger E. & Co., 139 Emerson pl, Brooklyn, N. Y.
Huttig Mill Work Co., Kansas City, Mo.
Wadsworth Clothing Cabinet Co., Painesville, O.
Welch Mfg. Co. (Sectional), Grand Rapids, Mich.
Wilmarth Show Case Co., Grand Rapids, Mich.

## 1754— Cabinets (Display)

Mossberg Frank Co. (With Sockets, Socket Handles & Accessories), Attleboro, Mass.
Specialty Display Case Co., Kendallville, Ind.

## 1755—*Cabinets (Drill, Steel)

**Medart Fred Mfg. Co., De Kalb & Potomac, St. Louis, Mo.**
*See adv index at end of book*

## 1755a—Cabinets (Electrotype)

Carrom Co., Ludington, Mich.
Hamilton Mfg. Co., Two Rivers, Wis.
Rowe Henry Mfg. Co., Newaygo, Mich.

## 1756—*Cabinets (Filing, Blue Print & Special)

**ART METAL CONSTRUCTION** CO., Jamestown, N. Y. *See adv index at end of book*
Hart & Hutchinson Co. ("H. & H." Steel Blue Print Cabinets), New Britain, Conn.

## 1756a— *Cabinets (Hair Pin)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*

## 1756b— *Cabinets (Herb)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*

## 1756c— *Cabinets (Hose)

Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
**Nuhring, Chas. & Bros.** ("2 in 1"), Cincinnati, O.

## 1757— Cabinets (Ice Cream)

Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Chocolate Cooler Co. ("Grand Rapids"), Grand Rapids, Mich.
Crystal Refrigerator Co., Fremont, Neb.
Doering C. & Son, 1375 W Lake, Chicago, Ill.
Fremont Mfg. Co., Fremont, Neb.
Herrick Refrigerator & Cold Storage Co., Waterloo, Ia.
**Nelson C. Mfg. Co., 2300 Division, St. Louis, Mo.**
Northey Mfg. Co., Waterloo, Ia.
Stehling C. H. Co., 401 4th, Milwaukee, Wis.

## 1758— Cabinets (Kitchen)

Acme Kitchen Furniture Co., Chattanooga, Tenn.
American Sash & Door Co., Kansas City, Mo.
Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*
Bagby Furniture Co., Eastern av & Exeter, Baltimore, Md.
Brown M. Co., Wapakoneta, O.
Buchanan Cabinet Co., Buchanan, Mich.
Cardinal Cabinet Co., Wabash, Ind.
Carr, Ryder & Adams Co., Dubuque, Ia.
Central Wood Turning Co., 610 Main N E, Minneapolis, Minn.
Cleveland Metal Products Co. ("New Perfection" Enamel Metal), 7609 Platt av & C & P tracks, Cleveland, O.
Columbia School Supply Co. (Enameled Steel), Indianapolis, Ind.
Coppes Bros. & Zook ("Nappanee"), Nappanee, Ind.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Faultless Iron Works ("The First" White Enameled Metal), St. Charles, Ill.
Greencastle Cabinet Co., Greencastle, Ind.
Huttig Mill Wk. Co., Kansas City, Mo.
Hoosier Mfg. Co. ("Hoosier"), New Castle, Ind.
I. X. L. Furniture Co., Goshen, Ind.
Jeffersonville Mfg. Co., Jeffersonville, Ind.
Kalamazoo Stove Co. (All Steel), Kalamazoo, Mich.
Landau Cabinet Co., 1545 Tower Grove, St. Louis, Mo.
McClelland T. W. Co., Davenport, Ia.
McClernan & Co. (Steel), 122 S Michigan av, Chicago, Ill.
McClure Mfg. Co., Marion, Ind.
McDougall Co., Frankfort, Ind.
McNown Mfg. Co., Columbia City, Ind.
**Minneapolis Furniture Co., 6th av & S. E 9th, Minneapolis, Minn.**
**National Screen & Mfg. Co., 1456 Harrison** av, Cincinnati, O.
Ohio State Stove Co. ("Ossco" All Steel), Columbus, O.
Plastone Co., Los Angeles, Cal.
Powell Steel Kitchen Co., 219 Loomis, Chicago, Ill.
Union Furniture & Novelty Co., Warren, Pa.
Vredenburgh W. W., 617 Sackett, Brooklyn, N. Y.
Wasmuth-Endicott Co., Andrews, Ind.

## 1759-60— Cabinets (Label)

McCourt Label Cabinet Co., Bradford, Pa.

## Cabinets (Letter Filing)

See Filing Cabinets & Devices

## 1761— Cabinets (Medicine)

Accident Cabinet Co. (Emergency Accident), Kalamazoo, Mich.
Armor Clad Mfg. Co., Canton, O.
Bennett Mfg. Co., Alden, N. Y.
Bernstein Mfg. Co., 3d & Allegheny, Philadelphia, Pa.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Burrowes E. T. Co., Portland, Me.
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Cleveland Metalcraft Co. (Steel), E 71st & Belt Line, Cleveland, O.
Conant Bros. Co., Somerville, Mass.
Conrey-Davis Mfg. Co., Shelbyville, Ind.
Corry Metal Products Co. ("Steel-Age"), Corry, Pa.
Dougherty H. D. & Co. ("Faultless"), 17th & Indiana av, Phila., Pa.
Eustis J. P. Co. ("Brasscrafters"), Cambridge, Mass.
Galard Co. ("Omala" White), 335 6th av, Newark, N. J.
Graf Frank H. Mfg. Co., 332 7th av, New York
Grammes L. F. & Sons, Allentown, Pa.
**Heap, Wm. & Sons, Grand Haven, Mich.**
Hess Warming & Ventilating Co. (Enameled Steel), 1211 S Western av, Chicago, Ill.
Holz & Co., Inc. (Eye Magnets), 18 Madison av, New York
*See adv index at end of book*
Hygeia Medicine Cabinet Co., 246 Middle, Bridgeport, Conn.
Ideal Reversible Hinge & Cabinet Co. ("Ideal" Bath Room Wood), 3666 Park av, St. Louis, Mo.
Indianapolis Drug Cabinet Co., Indianapolis, Ind.
Johnson & Johnson (First Aid), New Brunswick, N. J.
Morgan Co. (Wood), Oshkosh, Wis.
Nurre Mirror Plate Co. (All-Steel), Bloomington, Ind.
**Powell Steel Kitchen Co., 219 Loomis, Chicago, Ill.**
**Romer Mfg. Co., 203 Diamond, Brooklyn, N. Y.**
Safety Fire Extinguisher Co., 295 7th av, New York
*See adv index at end of book*
Sanisteel Co. ("Sanisteel"), 1200 Niagara, Buffalo, N. Y.
Shwab Bros. Co. (Wood), 811 E 9th, New York
Sillcocks-Miller Co. ("Celluvarno"), South Orange, N. J.
Standard Cabinet Mfg. Co. (Also Phonograph, X-Ray & Automobile), Peru, Ind.
Stephenson C. H. ("Stephenson"), Lynn, Mass.
Stokes Wm. A. & Co. (Wood), 50 Howard, New York
Trio Mfg. Co. (Steel), Cleveland, O.
Udell Works (Wood), Indianapolis, Ind.
Universal Cabinet Co., 1737 N Paulina, Chicago, Ill.

## 1762— Cabinets (Music)

Art Metal Construction Co. (Steel), Jamestown, N. Y.
*See adv index at end of book*
Art Novelty Co., Goshen, Ind.
Automatic File & Index Co., Green Bay, Wis.
Ballman Cabinet Co., 314 Russel av, Cincinnati, O.
Beecher Falls Co., Beecher Falls, Vt.
Box Albert K., Pulaski, N. Y.
Brooks Furniture Mfg. Co., Rochester, N.Y.
Brown C. G. Furniture Co., Syracuse, N. Y.
Butler Mfg. Co., 721 N Clinton, Syracuse, N. Y.
Detroit Cabinet Co., 988 Riopelle, Detroit, Mich.
Faribault Furniture Co., Faribault, Minn.
Forest City Furniture Co., Rockford, Ill.
Grand Rapids Chair Co., Grand Rapids, Mich.
Grand Rapids Fancy Furniture Co., Grand Rapids, Mich.
Herrmann H. Furniture Co., 368 Broome, New York
Herzog Art Furniture Co., Saginaw, Mich.
High Point Mfg. Co., High Point, N. C.
Hoffer W. Furniture Co., Cohoes, N. Y.
Jamestown Cabinet Co., Jamestown, N. Y.
Lauter H. Co., W Wash. & Harding, Indianapolis, Ind.
Mechanics' Furniture Co., Rockford, Ill.
Miller Cabinet Co., Rochester, N. Y.
New Farson Mfg. Co., Chester, Pa.
Northwestern Cabinet Co., Burlington, Ia.
Novelty Wood Works Co., Union City, Pa.
Oriel Cabinet Co., Grand Rapids, Mich.
Peterson Art Furniture Co., Faribault, Minn.
Rockford Desk Co., Rockford, Ill.
Rockford Palace Furniture Co., Rockford, Ill.
Salter Mfg. Co., 339 N Oakley bl, Chicago Ill.
Sheboygan Novelty Co., Sheboygan, Wis.
Stein J. & Sons, 38 Franklin, Brooklyn, N. Y.
Tonk Mfg. Co., 1912 Lewis, Chicago, Ill.
Udell Works, Indianapolis, Ind.
Union Furniture Co., Rockford, Ill.
Western Reserve Furniture Co., Warren, O.

## 1763— Cabinets (Oil)

American Oil Pump & Tank Co. ("American" Self-Measuring), Findlay & Dalton, Cincinnati, O.

Beman Automatic Oil Can Co. ("Beman" Automatic Curb Self-Measuring Gasolene Supply for Automobiles & Engines, etc), Meadville, Pa.
Bowser S. F. & Co., Fort Wayne, Ind.
Chapin R. E. Mfg. Works ("Eclipse"), Batavia, N. Y.
**Kraft A. C., 323 W Lake, Chicago, Ill.**
Lowe S. C. Supply Co., New Bedford, Mass.
Milwaukee Tank Works, Fratney & Becker, Milwaukee, Wis.
New York Oil Cabinet Co. ("Wiley"), 103 Walker, New York
Wadsworth C. J., Cleveland, O.
Whitall, Tatum Co., 410 Race, Phila., Pa.

## 1764— Cabinets (Panel Board)

See also Telephone Cabinet Work

Adam Frank Electric Co. ("F-A"), 904 Pine, St. Louis, Mo.
A. G. Mfg. Co., Seattle, Wash.
Allsteelequip Co. (Metal), Aurora, Ill.
Aurora Steel Products Co., Aurora, Ill.
Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Berry-Glosser Co., Marion, O.
Bissell F. Co. ("Security"), Toledo, O.
Bonnell, W. A., 192 Chambers, New York
Brady Electric Mfg. Co., New Britain, Conn.
Burns James F., 713 Cherry, Phila., Pa.
Chicago Switchboard Mfg. Co., 426 S Clinton, Chicago, Ill.
Cleveland Switchboard Co., 2925 E 79th, Cleveland, O.
Cole Metal Products Co., 401 E 23d, New York
Columbia Metal Box Co., 226 E 144th, New York
Commercial Switchboard Mfg. Co., Denver, Co.
Consolidated Elec. Mfg. Co., 223 N 13th, Phila., Pa.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
C. & P. Elec. Wks., Springfield, Mass.
Crouse-Hinds Co. (Steel; also Wood), Syracuse, N. Y.
Cutter, Geo. Co. ("Cutter's" Switch Box), South Bend, Ind.
DAHLSTROM METALLIC DOOR CO. (Metal), 413 Buffalo, Jamestown, N. Y. *See adv index at end of book*
Dill Mfg. Co., 684 E 82nd, Cleveland, O.
Electrical Mfg. Co., 112 Hamilton av, Cleveland, O.
Electric Apparatus Co., Chicago, Ill.
Electric Panelboard Co., 27 N Water, Rochester, N. Y.
Electric Steel Box Co., 31st & S Wood, Chicago, Ill.
Fish & Horton Co., 133-135 Mill, Rochester, N. Y.
Flint Elec. & Mfg. Co., 1402 Delgany, Denver, Colo.
Greater New York Metal Box Co., 143 W 19th, New York
Hamilton Sheet Metal Co., Hamilton, O.
Hart & Hegeman Mfg. Co., 343 Capitol av, Hartford, Conn.
Hauer, J. B., 100 Bayard, Brooklyn, N. Y.
John H. H., 277 Minna, San Francisco, Cal.
Jordan Cabinet Works, 129 Degraw, Brooklyn, N. Y.
Krantz Mfg. Co., 160 7th, Brooklyn, N. Y.
Kuhlman Engrg. Co., Toledo, O.
Large-Dail Mfg. Co., 606 Cherry, Phila., Pa.
Leonard-Bundy Elec. Co., 433 Champlain av, Cleveland, O.
McDowell Mfg. Co., Stanton av, Pittsburgh, Pa.
Mendell Mfg. Co., New Bedford, Mass.
Metropolitan Electric Mfg. Co., 14th, Long Island City, N. Y.
Metropolitan Elec. Mfg. Co., 524 1st, Seattle, Wash.
Metropolitan Engrg. Co., 1250 Atlantic Av., Brooklyn, N. Y.
Milwaukee Vault & Cabinet Co., 521 Market, Milwaukee, Wis.
Mutual Electric & Machine Co. ("Bulldog"), 232 Fort, W, Detroit, Mich.
Newgard Henry & Co. ("Newgard"), 947 Washington blvd, Chicago, Ill.
N. K. Metal Box Co., 198 Greenwich, New York.
Paiste H. T. Co. ("Le Manquais"), 3201 Arch, Phila., Pa.
Peterson Chas. J. & Co., 725 Fulton, Chicago, Ill.
Portland El Maintenance Co., Portland, Ore.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Renim Specialty Co., Brighton, Boston, Mass.
Rice Co., Geo. H., 431 E 23d, New York
Robb & Blackmer, 129 Pearl, Boston, Mass.
Schmidt A. R. Elec. Co., 262 E Water, Milwaukee, Wis.
Service Elec. & Mfg. Co., Minneapolis, Minn.
Square D. Co., 1411 Revard, Detroit, Mich.
Standard Mechanical Equipt. Co., Dallas, Tex.
Star Metal Box Co., 507 W 19th, New York.
Sterling Switchboard Co., Camden, N. J.
Superior Electric Mfg. Co., 2416 University av. S E, Minneapolis, Minn.
Tanner & Co., Wm. F., 511 S Sharp, Baltimore, Md.
Thomas & Betts Co., 105 Hudson, New York
Troy Electrical Co. (Metal), Troy, N. Y.
Trumbull Electric Mfg. Co., Plainville, Conn.
Trumbull-Vanderpoel Elec. Mfg. Co., Bantam, Conn.
United Sheet Metal Wks., San Francisco, Cal.
Wecso Supply Co., 7th & Clark av, St. Louis, Mo.
Wilson Co. A. B., 1051 Power bldg, Cleveland, O.
Worcester Elec. & Mfg. Co., Worcester, Mass.
Wurdack Wm. Electric Mfg. Co., 21 11th, St. Louis, Mo.

## 1764a—Cabinets (Sand Blast)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Mott Sand Blast Mfg. Co., 24 S Clinton, Chicago, Ill.
Pangborn Corp., Hagerstown, Md.

## 1765— Cabinets (Sewing)

Buchanan Cabinet Co., Buchanan, Mich.
I. X. L. Furniture Co., Goshen, Ind.
Joerns Bros. Mfg. Co., Exposition bldg, St. Paul, Minn.
Kundtz, Theodor Co., Winslow & Elm, Cleveland, O.
Stokes Mfg. Co., Montgomery, Pa.

## 1766— Cabinets (Spice)

Arcade Mfg. Co., Freeport, Ill.
Nichthauser & Levy, 252 Java, Brooklyn, N. Y.
Res Mfg. Co., 2907 Meinecke av, Milwaukee, Wis.
Richardi & Bechtold, Bellaire, Mich.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.

## 1766a— Cabinets (Steel)

Armor Clad Mfg. Co., Canton, O.
Art Metal Products Co., 514 S Green, Chicago, Ill.
**HART & HUTCHINSON CO.** ("H. & H." Storage), Dept. C, New Britain, Conn.
**HIRSCHMAN, W. F., INC.**, 90-92 Main, Buffalo, N. Y.
*See adv index at end of book*
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Koenig Edward L., La Salle, nr. Lake, Chicago, Ill. *See adv index at end of book*
Louisiana Metal Cabinet Wks. (Electric), New Orleans, La.
Lyon Metallic Mfg. Co., Aurora, Ill.
Steelite Co., 1902 W 77th, Cleveland, O.

## 1766b—*Cabinets (Switchboard)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Trumbull-Vanderpoel Elec. Mfg. Co., Bantam, Conn.

## 1767— Cabinets (Syrup)

Bishop & Babcock Co., 1254 E 55th, Cleveland, O.

## 1767a— Cabinets (Talking Machine)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Federal Equipment Co., Carlisle, Pa.
Long Geo. A. Cabinet Co., Hanover, Pa.

## 1768— *Cabinets (Thread)

**ESTES E. B. & SONS**, 364 5th av, New York *See adv index at end of book*

## Cabinets (Toilet Paper)

See Holders, Toilet Paper

## 1769— Cabinets (Tool)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
**HIRSCHMAN, W. F., INC.**, 90-92 Main Buffalo, N. Y.
*See adv index at end of book*
**KOENIG EDWARD L.**, 23 W Kinzie, Chicago, Ill. *See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.

## 1770— Cabinets (Tool, Steel)

Allsteelequip Co., Aurora, Ill.
Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Philadelphia, Pa.
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Darby Edw. & Sons Co. ("Pen-Dar"), 412 N 18th, Phila., Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Hart & Hutchinson Co. ("H. & H."), Dept. C., New Britain, Conn.
**HIRSCHMAN, W. F., INC.**, 90-92 Main, Buffalo, N. Y.
*See adv index at end of book*
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*
Terrell's Equipment Co., Grand Rapids, Mich.

## 1771—Cabinets (Utility, Steel)

Hart & Hutchinson Co. ("H. & H"), New Britain, Conn.
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.

## 1772— Cabinets (Wood)

Basic Mfg. Co., Wilmington, Del.
Chicago Surgical & Elec. Co., 324 W Superior, Chicago, Ill.
**BOGERT & HOPPER, INC.** (Card Index), 57 Barclay, New York
*See adv index at end of book*
**ESTES E. B. & SONS** (Turned Wood, Hair Pin, Thread, Tool, Switchboard, etc), 364 5th av, New York
*See adv index at end of book*

## Cabinets & Filing Cases (Metallic)

See Filing Cabinets & Devices, with the words Metallic or Steel following firm names

## 1773-4-5— Cable (Ignition)

**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Boston Insulated Wire & Cable Co., Boston, Mass.
Empire Tire & Rubber Corp. ("Empire," "Ideal"), Trenton, N. J.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Herz & Co., 245 W 55th, New York
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Mosler A. R. & Co., Mt. Vernon, N. Y
Okonite Co., Passaic, N. J.
Otter Mfg. Co., Inc., 243 W 17th, New York
Packard Electric Co., Warren, O.
Post & Lester Co., Hartford, Conn.
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Splitdorf Electrical Co., 98 Warren, Newark, N. J.
Standard Underground Cable Co., Westinghouse Bldg., Pittsburgh, Pa.

## Cable Railways

See Wire Rope Tramways

## Cables (Armored)

See Conductors, Armored

## 1776— Cables (Copper, Electric)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
**ROME WIRE CO.** ("Rome Wire"), Rome, N. Y. *See adv index at end of book*

## 1777— Cables (Drilling, Manila)

See also Rope, Manila; Rope, Wire

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

## 1777a—Cables (Interior Telephone)

Kerite Insulated Wire & Cable Co., Inc., 30 Church, New York
**STROMBERG CARLSON TELEPHONE MFG. CO.,** Rochester, N. Y.
*See adv index at end of book*

## 1777b—*Cables (Launch Steering)

**ROEBLING'S JOHN A. SONS CO.,** Main office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

## 1778—*Cables (Mining Machine)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*

## Cables (Rubber Covered)

See Wire, Rubber Covered

## 1779—Cables (Submarine, Underground & Lead Encased)

See also Wire, Insulated

American Electrical Works, Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Bishop Gutta-Percha Co., 420 E 25th, New York
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Goodrich B. F. Co., Akron, O.
Habirshaw Elec. Cable Co., 10 E 43rd, New York
Hazard Mfg. Co., Wilkes-Barre, Pa.
Indiana Rubber & Insulated Wire Co. ("Paranite"), P. O. Box 192, Jonesboro, Ind.
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
National Conduit & Cable Co., 41 Park row, New York
National India Rubber Co., Bristol, R. I.
N. Y. Insld. Wire Co., 84 State, Boston, Mass.
Okonite Co, Passaic, N. J.
**ROEBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Simplex Wire & Cable Co., 201 Devonshire, Boston, Mass.
Standard Underground Cable Co. (Paper, Varnished Cambric, Rubber & Fibre Insulated), Westinghouse Bldg., Pittsburgh, Pa.
Western Electric Co., 463 West, New York

## 1780—*Cables (Suspension Bridge)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO.** Main Office, Trenton, N. J. Works, Trenton & Roebling, N. J.
*See adv index at end of book*

## Cables (Weatherproof)

See Wire, Weatherproof

## Cableways (Aerial)

See Wire Rope Tramways

## 1781— Cableways (Concrete Handling)

Blaw Knox Co., Freeport rd., Hoboken, N.J.
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
Sauerman Bros., 1138 Monadnock blk., Chicago, Ill.
*See adv index at end of book*

## 1782—*Cableways (Contractors')

**LIDGERWOOD MFG. CO.,** 96 Liberty New York *See adv index at end of book*

## 1783—*Cableways (Drag Line)

**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
**SAUERMAN BROS.,** 1138 Monadnock blk., Chicago, Ill.
*See adv index at end of book*

## 1784—*Cableways (Logging)

**LIDGERWOOD MFG. Co.,** 96 Liberty, New York *See adv index at end of book*

## 1785—*Cableways (Sewer & Trench Excavating)

See also Wire Rope Tramways

Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
**LIDGERWOOD MFG. Co.,** 96 Liberty, New York *See adv index at end of book*

## Cableways (Wire Rope)

See Wire Rope Tramways

## 1786— Cadgers (Mining)

**GEM MFG. CO.** ("Gem" Steel, for Miners' Oil Reserve Supply), Goebel nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*

## 1787— Cadmium

American Smelting & Refining Co., 120 B'way, New York
Drakenfeld B. F. & Co. (Sulphide, Selling Agent, 50 Murray, New York
Grasselli Chemical Co. (Pure in Sticks & Cadimium Sulphide), Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg. Cleveland, O.
**KREBS PIGMENT & CHEMICAL CO.** (Sulphide), Newport, Del.
McKesson & Robbins (Imp), 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
U. S. Smelting, Refining & Mining Co. ("U. S. S. Co."), 120 Broadway, New York
U. S. Zinc Co., Pueblo, Colo.
Wiarda John C. & Co. (Sulphide), 273 Greene, Brooklyn, N. Y.

## 1787a— Cadmium Bromide

Cooper Chas. & Co., 194 Worth, New York
Dow Chemical Co., Midland, Mich.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 1787b— Cadmium Chloride

Cooper Chas. & Co., 194 Worth, New York
Dissoway-Schad Co., Inc., 830 Humboldt, Brooklyn, N. Y.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 1787c— Cadmium Iodide

Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
New York Quinine & Chemical Wks., 135 William, New York
Squibb E. R. & Sons, 78 Beekman, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 1787d— Cadmium Nitrate

Dissoway-Schad Co., Inc., 830 Humboldt, Brooklyn, N. Y.

## 1787e— Cadmium Salts

Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Philadelphia, Pa.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 1787f— Cadmium Sulphate

Cooper Chas. & Co., 194 Worth, New York
Dissoway-Svhad Co., Inc., 830 Humboldt, Brooklyn, N. Y.
Grasselli Chemical Co., Guardian bldg., Cleveland, O.
Mackay A. D., 130 Pearl, New York
Squibb E. R. & Sons, 78 Beekman, New York

## 1787g— Cadmium Sulphide

Drakenfeld B. F. & Co., Inc., 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg. Cleveland, O.
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Mackay A. D., 130 Pearl, New York
Strensen-Reuter & Hancock, Inc., 122 S Michigan av, Chicago, Ill.
Wiards John C. & Co., 273 Green, Brooklyn, N. Y.

## 1788— Caffeine

Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Monsanto Chemical Works, St. Louis, Mo.
National Aniline & Chemical Co., Inc. ("Howards" Imp), 21 Burling slip, New York

## 1788a— Cages (Bank)

Art Metal Construction Co. (Steel & Bronze), Jamestown, N. Y.
*See adv index at end of book*
**ESTEY BROS. CO. (Wire),** 270 Union av., Brooklyn, N. Y.
*See adv index at end of book*
New York Quinine & Chemical Works (Alkaloid & Citrated), 135 William, New York

## 1789— Cages (Batting)

Spalding A. G. & Bros., 126 Nassau, New York

## 1790—Cages (Bird, Animal, Etc.)

Dufur & Co. (Brass, Enameled Bird; also Wooden), 311 N Howard, Baltimore, Md.
Gray Peter & Sons, Inc. (Animal), 286 3d, East Cambridge, Mass.
Heinz & Munschauer (Bird, Squirrel, etc), Buffalo, N. Y.
Hendryx Andrew B. Co. (Bird, Parrot, Squirrel), New Haven, Conn.
*See adv index at end of book*

"HENDRYX"
BIRD CAGES
are used for most all the pet birds
Brass, Tinned, Japanned
*Over 200 Styles*
The A. B. Hendryx Company
New Haven, Conn.


Lindemann O. & Co. (Bird, Mouse, Parrot, Squirrel), 35 Wooster, New York
Maxwell's John Son (Bird, Parrot, Squirrel), 259 Pearl, New York
Meyers F. J. Mfg. Co. (Bird, Squirrel, Wooden), Hamilton, O.
*See adv index at end of book*
Osborn Mfg. Co. (Brass, Silver Plated & Solid Bronze Bird), 675 Hudson, New York
Page Steel & Wire Co. (Bear, Bird, Monkey), Adrian, Mich.
Phillips & Buttorff Mfg. Co. (Squirrel), Nashville, Tenn.
Reed Evan L. Mfg. Co. (Bird), Sterling, Ill.

## 1791— Cages (Mine)

See also Skips, Mine

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Bartlett A. F. & Co., Saginaw, Mich.
**BARTLETT C. O. & SNOW CO.**, Fall st., Cleveland, O.
*See adv index at end of book*
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Connellsville Mfg. & Mine Supply Co., Connellsville, Pa.
Denver Engineering Works Co., Denver, Colo.
Diamond Machine Co., Monongahela, Pa.
Dillon Box Iron Works Co., Denver, Colo.
Duncan Foundry & Machine Works (Self-Dumping & Plain), Alton, Ill.
Eagle Iron Works ("Olsen's" Self-Dumping), Des Moines, Ia.
Egyptian Iron Wks., Murphysboro, Ill.
Ellison Wm. & Sons Mfg. Co., St. Louis, Mo.
Harris-Stevens Co., Pittsburgh, Pa.
Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Herzler & Henninger Machine Works (Automatic & Plain), Belleville, Ill.
Holmes, Robert & Bros., Danville, Ill.
*See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O. *See adv index at end of book*
Lake Shore Engine Works, Marquette, Mich.
Litchfield Fdry. & Machine Co. (Self-Dumping & Ordinary), Litchfield, Ill.
Lucas A. & Sons (Self-Dumping), 1329 S Washington, Peoria, Ill.
Marion Machine, Foundry & Supply Co. (Automatic), Marion, Ind.
Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.
Mine & Smelter Supply Co., 42 B'way, New York
Mineral Ridge Mfg. Co. ("Stevens"), Mineral Ridge, O.
National Iron Co., Duluth, Minn.
Niles Mine & Mill Supply Co., Cleveland, Ohio
Ottumwa Box Car Loader Co. (Self-Dumping & Standard), Ottumwa, Ia.
Ottumwa Iron Works, Ottumwa, Ia.
Prox Frank Co., Terre Haute, Ind.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Stine S. B. (Automatic), Osceola Mills, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Union Iron Works, Spokane, Wash.
Union Iron Works, Hoboken, N. J.
United Iron Works Co., Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
*See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
What Cheer Tool Co. ("Walker" Automatic Reversible), What Cheer, Ia.
William A. Box Iron Works So., 3309 Blake, Denver, Colo.

## Cages (Squirrel)

See Cages, Bird, Animal, etc.

## 1792— Caisson Foundations

See also Bridge Foundations

Blodgett Construction Co., Kansas City, Mo.
Clark & Co., 225 5th av, New York
Cranford Paving Co., 2620 E N W, Washington, D. C.
Cullen-Friestedt Co., 7 S Dearborn, Chicago, Ill.
Foundation Co. (Engineers & Contractors, Pneumatic etc). 233 B'way. New York
Gahagan Walter H., 147 Remsen, Brooklyn, N. Y.
Great Lakes Dredge & Dock Co., 104 S Michigan av, Chicago, Ill.
Houston C. B. & Co., Franklin Bank bldg, Phila., Pa.
McMullen Arthur Co., 149 B'way, New York
McMurry J. W. Contracting Co., Kansas City, Mo.
Missouri Valley Bridge & Iron Co. (A. J. Tullock, Prop.), Leavenworth, Kan.
O'Rourke Engineering Construction Co., 17 Battery pl, New York
Rust Engineering Co., Farmers Bk. bldg, Pittsburgh, Pa.
Simplex Foundation Co., 3400 Disston, Phila., Pa.
Steers Henry, 17 Battery pl, New York

## 1793— Caissons (Cast Iron)

**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Builders' Iron Foundry, 9 Codding, Providence, R. I.

## 1794— Caissons (Sheet Steel)

Coatesville Boiler Works (Steel), Coatesville, Pa.
Columbiana Boiler Co., Columbiana, O.
**DOVER BOILER WORKS**, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
East Jersey Pipe Corp., Paterson, N. J.
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Kellogg M. W. Co. (Welded), 90 West, New York *See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Leslie, Elliott & Co., Paterson, N. J.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc Wis.
Petroleum Iron Works Co., Sharon, Pa.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pollock Wm. B. Co., Youngstown, O.
Reeves Bros. Co., The, Alliance, O.
*See adv index at end of book*
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Smith Samuel & Son Co., Paterson, N. J.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Construction Co., Midland, Pa.
Union Iron Works, Hoboken, N. J.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 1795— *Calcimines

**FOX M. EWING CO.** ("Muralite" & "Calcitine"), 241 E 136th, New York
*See adv under Paint Mfrs, branch offices, end of book*

## 1795a—*Calcining & Drying Apparatus

**CUMMER F. D. & SON CO.**, Superior Arcade, Cleveland, O.
*See adv index at end of book*

## 1795b*— Calcining Systems

**SCHAEFER ENGINEERING EQUIPMENT CO.** (Continuous Process), Peoples Bank bldg., Pittsburgh, Pa.
*See adv index at end of book*

## 1795c— Calcium Arsenate

Riches, River & Co., 30 Church, New York

## 1795d— Calcium Bromide

Dow Chemical Co., Midland, Mich.

## 1796— Calcium Carbide

Air Reduction Sales Co., 120 B'way, New York
American Carbolite Co. ("Carbolite"), Duluth, Minn.
Union Carbide Sales Co., 30 E 42nd, New York. Works: Niagara Falls, N. Y., & Sault Sainte Marie, Mich.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 1797—Calcium Carbide Briquettes

Carbic Mfg. Co. ("Carbic"), Duluth, Minn

## 1798— Calcium Carbonate

Anaconda Copper Mining Co., Butte, Mont.
Chinn Mineral Co., Harrodsburg, Ky.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg. Cleveland, O.
Industrial Chemical Co., 200 5th av, New York

## Calcium Chloride

See Chloride of Calcium

## 1799— Calcium Cyanamid

American Cyanamid Co., 511 5th av, New York

## 1799a— Calcium Fluoride

Harshaw, Fuller & Goodwin Co., Elec. bldg. Cleveland, O.

## 1799b—Calcium Glycerophosphate

Monsanto Chemical Wks., St. Louis, Mo.

## 1799c— Calcium Hypochlorite

Marden, Orth & Hastings Co., 136 Liberty, New York

## 1799d— Calcium Hypophosphite

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl., New York

## 1799e—Calcium Magnesium Chloride

Dow Chemical Co. (65% Granulated), Midland, Mich.
Gruff L. W. & Co., 80 Maiden Lane, New York
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 1799f— Calcium Oxide

American Lime & Stone Co., Tyrone, Pa.
Ash Grove Lime & Cement Co., Grand av., Temple, Kansas City, Mo.
Dissosway-Schad Co., Inc. (C. P.), 830 Humboldt, Brooklyn, N. Y.
Glencoe Lime & Cement Co., Syndicate Trust bldg., St. Louis, Mo.
Kelley Island Lime & Transport Co., Leaders-News bldg., Cleveland, O.
Rockland & Rockport Lime Co., 101 Park av., New York
Scioto Lime & Stone Co., Delaware, O.
White Marble Lime Co., Manistique, Mich.

## 1799g— Calcium Permanganate

Carus Chemical Co., La Salle, Ill.
Schapper Chemical Co., 192 N Clark, Chicago, Ill.

## 1799h— Calcium Peroxide

Roessler & Hasslacher Chemical Co., 709 6th av, New York

## 1799i— Calcium Resinate

Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Meyer J. & Sons, Philadelphia, Pa.
National Oil Products Co., Harrison, N. J.
Scheel Wm. H., 159 Maiden lane, New York *See adv index at end of book*

## 1799j— Calcium Stearate

Fales W. H. Co., 162 Maiden Lane, New York
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Meyer J. & Sons, Philadelphia, Pa.
National Oil Products Co., Harrison, N. J.
Sloan & Russell, Inc., 132 Nassau, New York

## 1799k— Calcium Sulphide

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.

## 1799l— Calcium Sulphite

Beggs E. J. & Co., 92 William, New York

## 1800— Calcium Sulphate

Dehls & Stein, Inc., 239 S Newark, N. J.
Riverside Acid Works, Warren, Pa.

## 1800a— Calcspar

Harshaw, Fuller & Goodwin Co., Elec. bldg. Cleveland, O.

## Caldrons

See Kettles, Caldron

## 1801— Calendars (Desk)

**American Colortype Co., 207 W 25th, New York**
Baumgarth John Co. (Mfrs.), 1414 W Randolph, Chicago, Ill.
**Feigenspan C. & Co., Cincinnati, O.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Knapp Co., 52 E 19th, New York**
**Myers Elwood Co. (Advertising), Springfield, O.**
**National Calender Co. (Advertising), 1014 Flint, Cincinnati, O.**
**Ohio Printing & Publishing Co., Massillon, O.**
**Parrott Matt & Sons Co. (Perpetual Daily Date), Waterloo, Iowa**
Schimper William & Co., 322-338 Ferry, Hoboken, N. J. & 33 Union sq, W New York *See adv index at end of book*

## 1802— Calibrators (Meter)

**Roller-Smith Co. ("Columbia"), 233 B'way, New York**
**Sangamon Electric Co., Springfield, Ill.**

## Calipers (Beam)

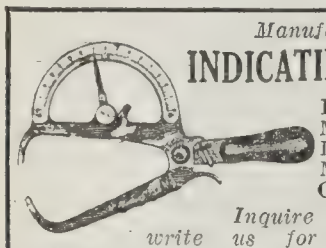
See Calipers & Dividers, Spring

## 1803— *Calipers (Firm Joint)

Gordell-Pratt Co., Greenfield, Mass.
**STARRETT L. S. CO. (THE), Athol, Mass.**
*See adv index at end of book*

## 1803a—*Calipers (Indicating)

Indicating Calipers Co., 506 E 19th, New York *See adv index at end of book*


*Manufacturers of*
**INDICATING CALIPERS**

For the use of Machinists, Tool, Pattern and Model Makers, Stock Clerks, Curators.
*Inquire of your dealer or write us for complete folder*
**INDICATING CALIPERS COMPANY**
**506 East 19th Street, New York City**


## 1804— Calipers (Log)

**Humphrey Machine Co. (Decimal), Keene N. H.**
**Keuffel & Esser Co., Hoboken, N. J.**
**Lufkin Rule Co., Saginaw, Mich.**

## Calipers (Micrometer)

See Gauges, Micrometer

## 1805— Calipers (Vernier)

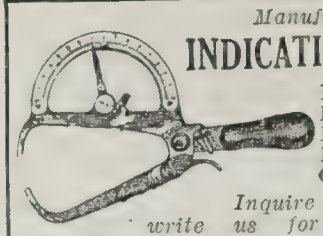
**Brown & Sharpe Mfg. Co., Providence, R. I.**
**STARRETT L. S. CO. (THE), Athol, Mass.**
*See adv index at end of book*

## Calipers (Winged)

See Dividers, Wing & Extension; also Calipers & Dividers

## 1806—Calipers & Dividers (Spring)

See also Gauges, Dividers, Wing & Extension; also Rules, Caliper; also Squares, Caliper; also Micrometers; also Spherometers
**Athol Machine Co. ("Premier" & "A. M. C."), Athol, Mass.**
**Brown & Sharpe Mfg. Co., Providence, R. I.**
**Chapin-Stephens Co., Pine Meadow, Conn.**
Crescent Machine & Engineering Co., Irvington, N. J.
**Goodell-Pratt Co., Greenfield, Mass.**
Indicating Calipers Co., 506 E 19th, New York *See adv index at end of book*


*Manufacturers of*
**INDICATING CALIPERS**

For the use of Machinists, Tool, Pattern and Model Makers, Stock Clerks, Curators.
*Inquire of your dealer or write us for complete folder*
**INDICATING CALIPERS COMPANY**
**506 East 19th Street, New York City**


**Kraeuter & Co. (Register, Outside, Navy, etc), 583 18th av, Newark, N. J.**
**Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.**
**Pratt & Whitney Co., Hartford, Conn.**
**Sandow Tool Co., 570 W B'way, New York**
**Sawyer Tool Mfg. Co., Ashburnham, Mass.**
**Smith H. B. Machine Co. (Chisel, for Hand Turning), Smithville, N. J.**
**STARRETT L. S. CO. (THE) ("Fay" & "Yankee"), Athol, Mass.**
*See adv index at end of book*
**Union Tool Co., Orange, Mass.**
Tolman I. W. ("Copelands" Dividers), Worcester, Mass.

## 1807— Calks (Boot)

**North & Pfeiffer Mfg. Co. ("Pfeiffer" Wing Screw), Hartford, Conn.**
**Lufkin Rule Co. (Lumbermen's, etc), Saginaw, Mich.**

## 1807a— Calks (Drive)

**Diamond Calk Horse Shoe Co., Duluth, Minn.**
**Giant Grip Horse Shoe Co. ("Giant Grip"), Oshkosh, Wis.**
**Green Bay Drive Calk Co., Green Bay, Wis.**
Neverslip Works, The ("Red Tip" "Neverslip"), New Brunswick, N. J.
**Rowe Calk Co., Plantsville, Conn.**
**Williams Drop Forging Co., Scranton, Pa.**

## 1807b—Calks (Screw, Removable)

**American Calk Co. ("Sure Grip"), 1217 Forest, Detroit, Mich.**
Neverslip Works, The ("Red Tip" "Neverslip"), New Brunswick, N. J.
**Reynolds James Mfg. Co. ("Acme," "Wont Slip"), New Haven, Conn.**
**Rowe Calk & Chain Co. ("Rowe," "H"), Plantsville, Conn.**
**Williams Drop Forging Co. ("Williams Can't Slip," "Black Diamond"), Scranton, Pa.**

## Calks (Toe, Horseshoe)

See Toe Calks, Steel

## 1808— Calls (Duck & Crow)

**Allen Fred A. Sportsman's Specialty Co. (Wood Shell), Monmouth, Ill.**
**Ditto Charles H. ("Ditto"), Keithsburg, Ill.**

## 1809— Calomel

**Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.**
**National Aniline & Chemical Co., Inc. "Howards" Imp), 21 Burling slip, New York**
**Pfizer Charles & Co., 81 Maiden la, New York**

## 1810-11— Calorimeters

**American Meter Co. (Improved "Junkers") 3112 N 17th, Phila., Pa.**
**American Steam Gauge & Valve Mfg. Co. ("Ellison" Throttling Evaporating), 208 Camden, Boston, Mass.**
**Bausch & Lomb Optical Co., Rochester, N. Y.**
Braun-Knecht-Heimann Co. (Pair), 576-584 Mission, San Francisco, Cal.
**Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.**
*See adv index at end of book*
**Elmer & Amend, 205 3d av, New York**
**Ellison Lewis M. ("Ellison" Throttling-Evaporating), 214 W Kinzie, Chicago, Ill.**
**Emerson Apparatus Co., 251 Causeway, Boston, Mass.**
Gaertner Wm. & Co. (Bomb Type, etc.) 5345 Lake Park av, Chicago, Ill.
**Lenz Apparatus Co., 9 E 16th, New York**
**Lexington Instrument Works ("Smith" Recording Gas), Lexington, Richland Co., Ohio**
**PRECISION INSTRUMENT CO. ("Roland Wild" Coal) ("Precision" Gas Recording), 21 Halsey, Newark, N. J.**
*See adv index at end of book*
Sarco Co., Inc. ("Sarco"), 8 Park pl., New York *See adv index at end of book*
**Sargent Steam Meter Co. (Automatic Gas), 820 S Tripp, Chicago, Ill.**
**SCHAEFFER & BUDENBERG MFG. CO. ("Carpenter" Throttling, Separating & Coal), Berry & S 5th, Brooklyn, N. Y.**
*See adv index at end of book*
**Smith Gas Engineering Co. ("Smith" Recording Gas), Dayton, O.**
**Standard Calorimeter Co. ("Parr"), East Moline, Ill.**
**Star Brass Mfg. Co., 53 Oliver, Boston, Mass.**
**Superior Meter Co., 254 36th, Brooklyn, N. Y.**

## 1812— Camera Obscuras

**McAllister T. H.-Keller Co., 176 Fulton, New York**

## 1813— Cameras

**Ansco Co., Binghamton, N. Y**
**Bauer Max, Jersey City, N. J.**
**Bell & Howell Co. ("Standard" Moving Picture), 1801 Larchmont av, Chicago, Ill.**
**Benson Dry Plate & Camera Co. (Ferrotype & Postal Card), 168½ Delancey, New York**
**Chicago Ferrotype Co., 1455 W Congress, Chicago, Ill.**
**Conley Camera Co., Rochester, Minn.**
**Cruver-Peters Co., 825 Washington blvd., Chicago, Ill.**
**Daydark Specialty Co., 2823 Benton, St. Louis, Mo.**
**Eastman Kodak Co. ("Graflex," "Premo," "Kodak," "Brownie"), Rochester, N. Y**
**Gennert G., 24 E 13th, New York**
**Goerz C. P., American Optical Co., 317 E 34th, New York**
**Gundlach Manhattan Optical Co. ("Korona"), Rochester, N. Y.**
**Ingersoll Robt. H. & Bro., 315 4th av, New York**
**Mountford Mfg. Works, Dumont, N. J.**
**New York Engravers' Supply (For Photo Engravers, Photo Lithographers and Rotary Photo Gravure), 230 W 17th, New York**
**Peerless Mfg. Co., Norwalk, Conn.**
**Schneider Eberhard (Moving Picture), 219 2d av, New York**
**Seneca Camera Mfg. Co., Rochester, N. Y.**
**Universal Camera Co., 240 E Ontario, Chicago, Ill.**
**Viflex Camera Co., Springfield, Mass.**
**Wing S. & Co., Charleston, Boston, Mass.**
**Woodbury & Co. (Aerial), Worcester, Mass.**

## 1814—Camp Cooking Outfits & Stoves

**Aluminum Goods Mfg. Co., Manitowoc, Wis.**
**Baxter W. E. (Portable), Louisville, Ky.**
**Gold Medal Camp Furniture Mfg Co., Racine, Wis.**
**Kraft A. C. ("Kamp Komfort" Heaters & "Kamp Kook's" Kits), 323 W Lake, Chicago, Ill.**
**Stonebridge C. H. Mfg. Co., 23 Warren, New York**
**Stopple Kook Kit Co., Alma, Mich.**

## 1815— Camp Stools & Chairs

**Defiance Welding Co. (Steel Stools only, Folding), Defiance, O.**
**Fulton Bag & Cotton Mills (Stools), Atlanta, Ga.**
**Gold Medal Camp Furniture Mfg. Co., Racine, Wis.**
**McKinnon Dash Co. (Folding Metal), Buffalo. N. Y.**
**Richards Mfg. Co., Marietta, O.**
**Steinfeld Bros. (Folding), 116 W 32nd, New York**
**Stonebridge C. H. Mfg. Co., 23 Warren, New York**

## 1816— Camphor

American Camphor Refining Co. (Refined), 14 Fulton, Boston, Mass.
American Trading Co. (Imp), 25 Broad, New York
Ayers, Bridges & Co. (Imp), 200 Summer, Boston, Mass.
Baker H. J. & Bro. (Imp), 81 Fulton, New York
Barrett Co. (Tar), 17 Battery pl, New York
Cresol Chemical Co. (Oriental Rice, etc), 8 Van Buren, Brooklyn, N. Y.
Fearon, Brown Co. (Imp), 96 Wall, New York
Ferguson Bros., 109 Chestnut, Phila., Pa.
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Fuerst Bros. & Co., 2 Stone, New York
Jones E. F. Chemical Co., 51 Jay, New York
Lathrop H. R. & Co., 116 Beekman, New York
Lehn & Fink (Japanese, Imp), 120 William, New York
Lewy Chemical Co., 26 E 22d, New York
Mitsul & Co. (Imp), 65 B'way, New York
Morningstar Chas & Co., Inc. (Imp.), 349 Broadway, New York
National Aniline & Chemical Co., Inc. (Imp Refined Japanese Gum), 21 Burling sl, New York
Parke, Davis & Co. (Japanese), 743 Atwater, Detroit, Mich.
Pfizer Chas. & Co. (Refined), 81 Maiden la, New York
Satsuma Co., Satsuma Heights, Fla.
Schieffelin & Co. (Refined, Imp), 170 William, New York
Stern D. S. Co. (Imp), 46 Davis, San Francisco, Cal.
Stilwell Arthur A. & Co. (Imp), 20 Cliff, New York

## 1816a—Camphor (Monobromated)

Dow Chemical Co., Midland, Mich.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York

## 1817— Cams

Barrett Bros., 43 Haverhill, Boston, Mass.
Chester Steel Castings Co., Chester, Pa.
Chrome Steel Works (Canada Chrome Steel, Self-Locking), Chrome, N. J.
Denver Engineering Works Co. (Cam Shafts for Stamp Mills), Denver, Colo.
Erie Forge Co. (Shafts for Stamp Mills, Eccentric Forgings), Erie, Pa.
Garvin Machine Co., 147 Varick, New York
**KENNEDY-VAN SAUN MFG. & ENG. CORP.** ("Cania" Self-Locking, etc), 120 B'way, New York
*See adv index at end of book*
National Steel Casting Co., Montpelier, Ind.
Redington F. B. Co., 112 S Sangamon, Chicago, Ill.
Rowbottom Machinery Co. (For Machinery), Waterville, Conn.
Union Drop Forge Co. (Drop Forged), 358 W Grand av, Chicago, Ill.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 1817a— Candle (Tubes)

Elastoid Fibre Co. ("Elastoid"), Waltham, Mass.
Fibre Products Co., New Bedford, Mass.

## 1818— Candles (Bees Wax)

Cathedral Candle Co., Syracuse, N. Y.
Knapp Edw. J. Candle Co., Syracuse, N. Y.
Mack, Miller Candle Co., Syracuse, N. Y.
Marty F. & Co., Syracuse, N. Y.
Will & Baumer Co., Syracuse, N. Y.

## 1819— Candles (Carbide)

Ainsworth Wm. & Sons ("Arnold"), Denver, Colo.

## 1820— Candles (Coach)

Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Columbia Wax Works, 749 E 137th, New York
Emery Candle Co., Cincinnati, O.
Gross A. & Co., 90 West, New York
Marty F. & Co., Syracuse, N. Y.
Standard Oil Co., of N. J., 26 Broadway, New York
Will & Baumer Co., Syracuse, N. Y.

## 1821— Candles (Electric)

American Ever Ready Works of National Carbon Co., Thompson av, Long Island City, N. Y.

## 1822—Candles (Mutton Tallow)

Boyd James, 408 W 26th, New York
Syracuse Candle Co., Syracuse, N. Y.

## 1823—Candles (Plumbers' & Mining)

Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Cathedral Candle Co., Syracuse, N. Y.
Columbia Wax Works, 749 E 137th, New York
**EMERY CANDLE CO.**, Cincinnati, O.
Finn Geo. M., 427 E Water, Syracuse, N. Y.
Goodwin Mfg. Co., 3332 Choteau, St. Louis, Mo.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Gross A. & Co., 90 West, New York
Harkness & Cowing Co., Murray av, & Carthage Pike St. B, Cincinnati, O.
Knapp Mfg. & Supply Co., 241 Water, New York
Knapp Edw. J. Candle Co., Syracuse, N. Y.
Marty F. & Co., Syracuse, N. Y.
Schaeffer Bros. & Powell Mfg. Co., Barton & Kosclusko, St. Louis, Mo.
Smith & Nichols, 121 Maiden la, New York
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Which Will Tin," "Electric Light," "Granite," "Snow Flake"), 555 W 25th, New York
Syracuse Candle Co., Syracuse, N. Y.
Will & Baumer Co., Syracuse, N. Y.

## 1824—Candles (Stearic Acid)

Century Stearic Acid Candle Wks., 380 South, New York
Columbia Wax Works, 749 E 137th, New York
Emery Candle Co., Cincinnati, O.
Gross A. & Co., 90 West, New York
Knapp Edw. J. Candle Co., Syracuse, New York
Marty F. & Co., Syracuse, N. Y.
Will & Baumer Co., Syracuse, N. Y.

## 1825— Candles (Sulphur)

Hoboken Sanitary Co., 249 Clinton av, West Hoboken, N. J.
Seabury & Johnson, 59 Maiden la, New York
White Tar Co., John & Cliff, New York

## 1826—Candlesticks (Colonial)

American Ring Co. (Brass), Waterbury, Conn.
Boston Brass Andiron Co., 104 Utica, Boston, Mass.
Buffalo Mfg. Co., Buffalo, N. Y.
Central Stamping Co. (Planished Brass, etc), 172 Fulton, New York
Crescent Brass Mfg. Co., 8410 Lake av, Cleveland, O.
Elm City Brass & Rivet Co., Plainville, Conn.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co., 20 Exchange pl, New York
Jackson Wm. H. Company, 2 W 47th, New York
Janusch Mfg. Co. (Brass & Copper), 496 E 134th, New York
National Enameling & Stamping Co., 411 5th av, New York
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Rostand Mfg. Co. ("Rostand," Brass), Milford, Conn.
Thomas Seth Clock Co., Thomaston, Conn.
Warner Silver Co. (Gold, Silver & Brass Plated), Bridgeport, Conn.

## 1826a—Candlesticks (Mahogany)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1827—Candlesticks (Miners' & Plumbers')

Ludlow-Saylor Wire Co., Newstead av c Wabash R R, St. Louis, Mo.
Stortz John & Son, 210 Vine, Phila., Pa.
Varney N. E., Denver, Colo.

## 1828— Canisters

**See also Tinware Mfrs.**

Canister Co. of New Jersey ("Canwood" Fibre, etc, with Tin Tops & Bottoms for Dry Foods & Chemicals), Phillipsburg, N. J.
Central Stamping Co., 172 Fulton, New York
Fernald Mfg. Co. (Tea, Coffee), North East, Pa.
Kaiser Geo. J. (Tin Grocers), 194 Duane New York
Kronman E. (Tea, Coffee), 248 Lafayette, New York
Lalance & Grosjean Mfg. Co. (Tea, Coffee, Sugar, etc, Japanned), 299 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York
St. Louis Paper Can & Tube Corporation (Dry Products), St. Louis, Mo.
Threthaway Bros. (Japanned & Lithographed), Parsons, Pa.

## 1829— Canned Goods

NOTE—Firms listed under this heading are given at their main office only.

Marked thus * indicates fish
Marked thus b indicates berries
Marked thus f indicates fruit
Marked thus m indicates meat
Marked thus p indicates preserves
Marked thus v indicates vegetables

Articles not included in above categories are given in parentheses following the name.

vAcme Canning Co., Midway, Tenn.
mAcme Packing Co., 2226 S La Salle, Chicago, Ill.
vAcme Preserve Co. (Pork & Beans), Adrian, Mich.
vActon Products Co., Acton, Ind.
Adams Bertram, Oakland, Cal.
Adams Bros. & Sellers Co., Alvin, Tex.
Adams A. Jr. (Olives), Sunland, Cal.
vAdamstown Canning & Supply Co., Adamstown, Md.
*Addison Packing Co., Southwest Harbor, Me.
vAdell Canning Co., Adell, Wis.
vAdy S. J., Sharon, Md.
vAgee Canning Co., Baldwin Station, Va.
vAillo Bros. & Co., Highland, N. Y.
fAinsley J. C. Packing Co., Campbell, Cal.
*Ainsworth & Dunn, Seattle, Wash.
vAireys Packing Co., Aireys, Md.
fvAkin W. F., Galena, Mo.
Alabama-Georgia Syrup Co., Montgomery, Ala.
Alart & McGuire Co. (Pickles, Olives & Chili Sauce), 759 3rd av, Brooklyn, N. Y.
*Alaska Packers' Ass'n., Wells Fargo bldg, San Francisco, Cal.
*Alaska Portland Packers' Ass'n., Yeon bldg., Portland, Ore.
Alaska Salmon Co., 112 Market, San Francisco, Cal.
*Alaska Sanitary Packing Co., Seattle Wash.
vAlbany Canning Co., Albany, Wis.
fvbAlbermarle Pippin Products Corp., Charlottesville, Va.
Alexander Molasses Co., 614 W Austin av, Chicago, Ill.
vAlexandria Preserving Co., Alexandria Ind.
Allen & Moore Canning Co., Blades, Del.
fbAllivine Co., Norma, N. J.
fvAlmeda Canning Co., Wellston, O.
Alpine Evaporated Cream Co. (Milk), Gonzales, Cal.
fvAlton Canning Co., Alton, Ind.
*Altoona Packing Co., Altoona, Wash.
vAmboy Products Co. (Hominy), Amboy, Ill.
vAmbrose J. T., Oakland, W. Va.
American Milk Co., 324 W Kinzie, Chicago, Ill.
American Olive Co., 1701 E Adams, Los Angeles, Cal.

CANNED GOODS—continued

*American Packing Co., Everett, Wash.
vAmerican Pickle & Canning Co. (Catsup, Olives, Pickles & Hominy), Wiggins, Miss.
vpbAmerican Syrup & Preserving Co. (Syrup & Molasses), Terminal Trks. & E Union, St. Louis, Mo.
vAmes Canning Co., Ames, Iowa
vAmsterdam Canning Co., Amsterdam, Mo.
*Anacortes Fisheries Co., Seattle, Wash.
vAnderson Bros. Canning Co., Oskaloosa, Ia.
vAndrew C. A., Conowingo, Md.
vAndrews J. B. & Co., Hurlock, Md.
*vfAndrews Wm. P., Crapo, Md.
vAntigo Canning Co., Antigo, Wis.
*Apex Fish Co., Anacortes, Wash.
fAppalachian Corp., Tallulah Park, Ga.
bfvAppleby Bros., Fayetteville, Ark.
*vApplegarth C. L. Co., ft. of Webster, Baltimore, Md.
vArcadia Canning Wks., Arcadia, Ind.
vArcher C. S., Pylesville, Md.
vArcher J. W. & Son, Wilna, Md.
vArcher John, Magnolia, Md.
vfArkansas Orchard Planting Co., Highland, Ark.
Arkmo Packing Co., Decatur, Ark.
vArlington Canning Ass'n., Arlington, Minn.
mvArmour & Co. (Spaghetti), 208 S La Salle, Chicago, Ill.
bfvAssau W. F. Canning Co. (Pork & Beans), Boston cor Streeper, Baltimore, Md.
*Astoria & Puget Sound Canning Co., South Bellingham, Wash.
fvAtkinson P. W., Berkeley Springs, W. Va.
fvAtlanta Canning Co., Atlanta, N. Y.
vAtlantic Canning Co., Atlantic, Ia.
*Atlantic Canning Co., Eastport, Me.
vAtlantic Canning Co., Rehoboth Beach, Del.
*Atwood River Canning Co., Valona, Ga.
fvAuburn Canning Co., Auburn, Nebr.
vAudubon Canning Co., Audubon, Ia.
*bfvAughinbaugh Canning Co. (Hominy), Fort av & Lawrence, Baltimore, Md.
fmvAusting Canning Co. (Hominy), Austin, Ind.
Aviston Condensed Milk Co., Aviston, Ill.
vfbAyars Clinton B. Canning Co., Bridgeton, N. J.
B. & O. Milk Co., Carlyle, Ill.
vBadger Canning Co., Beaver Dam, Wis.
fvbBagley Canning Co., Talent, Ore.
vBailey J. Barnes, Forest Hill, Md.
vBaker C. O., Fincastle, Va.
vBaker C. W. & Sons, Aberdeen, Md.
vBaker G. Harold, Aberdeen, Md.
vBaker Henry & Co., Millsboro, Del.
vBaker J. A., East New Market, Md.
vbBaker W. S., Bridgeton, N. J.
fBaldwin H. N., Chestertown, Md.
*fvbBaltimore Canning Co., 110 E York, Baltimore, Md.
vBande Venter & Son, Dundee, Mich.
vfVanAlen Canning Corp. (Pork & Beans), Ogden, Utah
fBanner Fruit Co., Lankershim, Cal.
vBanner Packing Co., Lebanon, O.
fBanning Canning Co., Banning, Cal.
*Barataria Canning Co., Chartres & Mozant, New Orleans, La.
*Barbey H. J., 220 Front, Portland, Ore.
vBarkley A. Canning Co. (Hominy), Carlyle, Ill.
fvBarley W. P., Buchanan, Va.
*Barnes F. C. Co., Worcester bldg., Portland, Ore.
vfbBarnett J. A., Westminster, S. C.
vBarr J. E. Pickling & Preserving Co. (Pickles), St. Cloud, Minn.
pBarrett Fruit Kitchen, Newark, N. J.
vBarwise N. C. Packing Co., Denver, Colo.
vBass, Smith Co., Litwalton, Va.
fvBatavia Food Products Co., Batavia, N. Y.
vBates C. E. Co. (Chili Sauce), Blanchester, O.
vBates H. G. (Pork & Beans), Blanchester, O.
vBaugh, Batten & Baugh, Clarksville, O.
vBaugh C. L., New Vienna, O.
vBaxter Bros. Co., Brunswick, Me.
*vfBaxter H. C. & Brt., Brunswick, Me.
*Bay City Packing Co., Apalachicola, Fla.
fvBay John W. & Co., Stockley, Del.
bfvBay Side Canning Co., Alviso, Cal.
fvBeale M. E., Skowhegan, Me.
vBeamer & Wilhelm, Eagle Rock, Va.
vBear Creek Canning Co., Stoutland, Mo.
*mBeardsley's J. W. Sons, 690 Frelinghysen, Newark, N. J.
vBeaver Canning Co., Randolph, Wis.
vBechers Robt. L., El Paso, Ill.
vmBeechnut Packing Co. (Peanut Butter), Canajoharie, N. Y.
fvBel Air Packing Co., Bel Air, Md.
vBelgium Cannery, Belgium, Wis.
vBelle Plaine Canning Co., Belle Plaine, Ia.
*Bellingham Canning Co., Bellingham, Wash.
*Bennett G. W., Inverness, Md.
vBennett J. W., Auburn, Me.
vBennett Canning Co., Frankford, Del.
vbBerea Canning Co., Berea, Ky.
fbBerryville Canning Co., Berryville, Ark.
*pBest-Clymer Mfg. Co., Virginia & Davis, St. Louis, Mo.
vBethany Canning Co., Bethany, Mo.
fvbBeutel Pickling & Canning Co. (Pickles), Bay City, Mich.
vBig Four Canning Co., Stanley, Wis.
vBiger Leonard, Kenton, Del.
vBillings Canning Co., Billings, Mo.
*vBiloxi Canning Co. (Peanut Butter), Biloxi, Miss.
vBiser G. W. & Co., Berkeley Springs, W. Va.
bpvBishop & Co. (Soups), 1449 E 7th, Los Angeles, Cal.
*vBishop-Gifford Co., Inc., Baldwin, Long Island, N. Y.
bvfBlack & Gay, Canners, Inc., Thomaston, Me.
vBlackiston Canning Co., Clayton, Del.
*Blanchard Mfg. & Canning Co., Eastport, Me.
Blair Canning Co., Blair, Neb.
vBloomington Canning Co. (Hominy), Bloomington, Ill.
*vBlue Diamond Canning Co., Portland, Me.
v*Blundon & Hinton, Reedville, Va.
vBodt W. A., Churchville, Md.
vBois D'Arc Canning Co., Bois D'Arc, Mo.
vBoitnott C. C. & Sons, Naffs, Va.
vfBolton F. D., Fincastle, Va.
vBolton H. L., Troutville, Va.
vBoone Dr. G. A., Troutville, Va.
*Booth Fisheries Co., Astoria, Ore.
bfvBooth Packing Co., ft. of Wolfe, Baltimore, Md.
vBoothby & Tucker, Portland, Me.
vBooze G. C., Springwood, Va.
*Boston Food Products Co. (Pork & Beans), 16 New, Boston, Mass.
fvbBounds G. A. & Co., Hebron, Md.
vBonvallets P. A. Sons, Wichert, Ill.
fvBower F. C., Troutville, Va.
vBower Lee & Son, Troutville, Va.
*fbvBoyer W. W. & Co., 2327 Boston, Baltimore, Md.
*bfpvBoyle J. & Co. (Hominy), Wolfe & Thames, Baltimore, Md.
vBozman C. W. & Son, Eden, Md.
vBradford Geo. W. W., Bel Air, Md.
vBradley Chas. S., Preston, Md.
vBraithwaite Bros., Cross Junction, Va.
vBrakeley A., Bordentown, N. J.
vBrakeley J., Freehold, N. J.
vBramble James A., Joppa, Md.
vBramble T. M. & Co., Cambridge, Md.
fvBrandsville Canning & Preserving Co. (Pickles), Brandsville, Mo.
vBreeding W. R. & Son, Federalsburg, Md.
v*Breslauer-Lachicotte & Co. (Pickles), Waverly Mills, S. C.
vBrewbaker J. C., Buchanan, Va.
fvbBridalveil Canning Co., Ronda, N. C.
Bridgeton Condensed Milk Co., Bridgeton, N. J.
vbBrigham City Canning Co., Brigham, Utah
vBrisentine Bros., Prospect, Va.
Bristol Bay Packing Co. (Salmon), 112 Market, San Francisco, Cal.
*Brooks Packing Co., Tillamook, Ore.
vBrooks Tomato Products Co., Collinsville, Ill.
*Brown E. W. Co., South Portland, Me.
fBrown Fig Co., Beaumont, Tex.
fvBrugh R., Nace, Va.
vBuckeye Canning Co., Continental, O.
vBuckeystown Packing Co., Buckeystown, Md.
fvBuhrman J. B. & Son, Gala, Va.
vBulls Gap Canning Co., Bulls Gap, Tenn.
vBunker Hill Canning Co., Bunker Hill, Ind.
*vBurgin Packing Co., Cincinnati, O.
vBurkettsville Canning Co., Burkettsville, O.
vBurkholder I. C. & Son, Buchanan, Va.
vBurkley Geo. F., Belcamp, Md.
vBurlington Vinegar & Pickle Wks. (Pickles & Olives), Burlington, Ia.
fBurnett Canning Co., Burnett, Ind.
*Burnham E. S. Co., 61 Gansevoort, New York
*bmBurnham & Morrill Co., Portland, Me.
vBurton T. & Son, Millsboro, Del.
vButt Jos. A., 1111 N B'way, Baltimore, Md.
vButter County Canning Co., Monroe, O.
vButterfield Canning Co., Muncie, Ind.
vByrne & Kincanon, Lowry, Va.
fvCalifornia Canneries Co., 600 Minnesota, San Francisco, Cal.
fpvCalifornia Fruit Canners' Assn, 101 California, San Francisco, Cal.
California Ripe Olive Co., 24 California, San Francisco, Cal.
vCalima Canning Co., 724 S Spring, Los Angeles, Cal.
vCambria Canning Co., Cambria, Wis.
vCambridge Packing Co., Cambridge, Ia.
vCamden Canning Co., Camden, O.
vCamden Packing Co., Camden, N. Y.
Campbell J. Co. (Soups, Pork & Beans), Camden, N. J.
vCampbellsville Canning Co., Campbellsville, Ky.
vCanandaigua Kraut Co., Canandaigua, N. Y.
vCanastota Canning Co., Canastota, N. Y.
vCannon Falls Canning Co., Cannon Falls, Minn.
bfvCannon H. P. & Son, Bridgeville, Del.
vCanton Canning Co. (Olives), Canton, O.
*pvCape Code Specialty Co., North Truro, Mass.
*Carlisle Packing Co., Seattle, Wash.
*fvCarll Bros., Waterboro, Me.
vCarll Canning Co., Augusta, Me.
Carnation Milk Products Co., Seattle, Wash.
fCarpenter J. C. Fig Co., Houston, Tex.
vCarpp S. M., Hartford, Mich.
vCarr M. M., Aberdeen, Md.
vCarroll Bros., Havre De Grace, Md.
vCarter B. L., Stone Mountain, Va.
vCarver J. C. & Co., Marumsco, Md.
*Cascade Packing Co., Anacortes, Wash.
fvCase Canning Co., Marshfield, Mo.
vCayuga Packing & Mfg. Co., Cayuga, Ind.
vCazenovia Canning Co., Cazenovia, N. Y.
vCedarburg Canning Co., Cedarburg, Wis.
vCedar Falls Canning Co., Cedar Falls, Ia.
vfCedar Glenn Canning Co., Bedford, Va.
vCedar Rapids Canning Co., Cedar Rapids, Ia.
vCenter Point Canning Co., Center Point, Ia.
fvbCentral California Canneries, 1 Drumm, San Francisco, Cal.
vfCentral Lake Canning Co., Central Lake, Mich.
vCentral States Canning Co., Indianapolis, Ind.
vCereal Food Co. (Hominy), Peoria, Ill.
bvChampion Thomas E., Normal, Ill.
vChance's R. C. Sons (Pickles), 122 Pine, Phila., Pa.
vChandlee Ira W., Slab, Pa.
vChandler & Ballard Co., Exmore, Va.
vfCharleston Canning Co., Charleston, Tenn.
vChatfield Canning Co., Chatfield, Minn.
vCherry Creek Canning Co., Cherry, N. Y.
v*Chesapeake Packing Co., Sherwood, Md.
vCheswold Canning Co., Aberdeen, Md.
vChilton Canning Co., Chilton, Wis.
*Chinook Packing Co., Chinook, Wash.
vChippewa Falls Canning Co., Chippewa Falls, Wis.
vChrisney Canning Co., Chrisney, Ind.
vCifax Packing Co., Cifax, Va.
vCitizens' Canning Co., Spiceland, Ind.
*Clark-Graham Co., Tacoma, Wash.
*Clark L. D. & Son, Eastport, Me.
vfpbClark W. N. Co., Rochester, N. Y
fvbClaybrook-Neale Packing Co., Bowlers Wharf, Va.
vClayton Canning Co., Clayton, Del.
vClayton J. M. & Co., Hoopersville, Md.
vCleveland Canning Co., Cleveland, Wis.
fvClift G. W., Marshfield, Mo.
vfClinton Canning Co., Rome, N. Y.
vClyde Kraut Co., Clyde, O.
*Coast Fish Co., Anacortes, Wash.
*Coast Fishing Co., Los Angeles, Cal .
vfbCobb Preserving Co., Fairport, N. Y.
vCodorus Canning Co., Codorus, Pa.
vCohasset Canning Co., Cohasset, Va.
vbCohocton Canning Co., Cohocton, N. Y.
vCokato Canning Co., Cokato, Minn.
vCollins John & Co., American Corners, Md.
vColora Canning Co., Aberdeen, Md.
Colorado Condensed Milk Co., Fort Lupton, Colo.

vColt & Dickson Packing Co., Frederick, Md.
vColter A. W. Canning Co., Mount Washington, O.
vColumbia Canning Co., Columbia, Tenn.
vColumbia Conserve Co. (Soups, Apple Butter, Mince Meat & Chili Sauce), Indianapolis, Ind.
fbvColumbia River Canning & Produce Co., St. Helens, Ore.
vColumbia River Packers' Ass'n, Astoria, Ore.
vColumbian Canning Co., Lubec, Me.
vColumbus Canning Co., Columbus, Wis.
Continental Condensed Milk Co., Mill Hall, Pa.
vCool Spring Canning Co., Cool Spring, Del.
vCooper John S. & Co., Columbia, Del.
vCoulbourne & Parsons, Marion Station, Md.
v*fbCourtney W. J., Mundy Point, Va.
vCraft Bros., Springwood, Va.
vCraig Wm. Canning Co., Ogden, Utah
vCramer W. F., Gasport, N. Y.
vCrampton I. E. & Son Canning Co., Celina, O.
vCrary C. S. Co., Streator, Ill.
Cremo Milk Co., Valley Ford, Cal.
vbfCreswell Fruit & Vegetable Growers' Ass'n, Creswell, Ore.
vCronise Bros., Nace, Va.
vCrossroads Canning Co., Berkeley Springs, W. Va.
vCrothersville Canning Co. (Hominy), Seymour, Ind.
vCruikshank Bros. Co. (Olives & Pickles), Island & Preble avs, Pittsburgh, Pa.
vCrystal Spring Canning Co., Dixon, Mo.
mvCudahy Packing Co., 111 W Monroe, Chicago, Ill.
vCummins Canning Co., Conneaut, O.
vCurrie Canning Co., Grand Junction, Colo.
fmpbCurtice Bros. Co. (Soups & Plum Pudding), Rochester, N. Y.
Curtis Corp. (Olives), Long Beach, Cal.
fDaggett E. P. Canning Co., Coopersville, Mich.
afvDailey-Udell Co., Brockport, N. Y.
Dalby H. L. (Olives), San Bernardino, Cal.
Daleville Canning Co., Daleville, Ind.
Dalrymple H. L., Marshfield, Mo.
vDameron W. A. & Bro., Weems, Va.
fbDana Canned Goods Co., Belpre, O.
Daniel G. W., Amburg, Va.
Danville Canning Co., Danville, Ind.
Darlingtons' M. Sons (Milk), Pomeroy, Pa.
vDarting & McGavren, Glenwood, Ia.
vDavies Edgar W., Leesburg, N. J.
fbDavies K. M. Co., Williamson, N. Y.
fDavis O L., Park Rapids, Minn.
Davis & Lippincott, Woodstown, N. J.
fDearborn Canning Co., Dearborn, Mo.
Deal Island Packing Co., Deal Island, Md.
Debo & McLain Canning Co., Goodview, Va.
De Graff Canning Co., De Graff, O.
vDeisher J. S., Fincastle, Va.
De Long G. T., Lithia, Va.
vDemeritt Co., Waterbury, Vt.
Denmark Condensed Milk Co., Denmark, Wis.
vDenmire L. E., Montrose, Ia.
Dennis J. T., Preston, Md.
Denton Mfg. Co., Denton, Md.
Detroit Creamery Co. (Milk), Grand River, Detroit, Mich.
vDevilbiss G. W., Stewartstown, Pa.
Dexter Farming Canning Co., Dexter, Ia.
vbDiament J. E. Co., Cedarville, N. J.
Dickinson Co., Oswego, Ore.
Dickinson & Co., Eureka, Ill.
vDi Fiore D. Canning Co. San Jose, Cal.
vDingley E. S. Co., West Farmington, Me.
Dirigo Packing Co., Machias, Me.
Dolby S. W., Jr., Whitehaven, Md.
Dolby W. H., Whitehaven, Md.
Dover Packing Co., Dover, Ky.
Dow Bros. & Horne Co., East Dover, Me.
Downham John & Son, Wyoming, Del.
Doyle John T. Co., New Haven, Conn.
Draper Canneries Co., Salt Lake City, Utah
Draper Canning Co., Milton, Del.
Draper G. H., Milford, Del.
vDraper & Hirsch, Milford, Del.
Draper & Slaughter, Denton, Md.
Drenthe-Hamilton Canning Co., Hamilton, Mich.
vDuffy L. B., Haymakertown, Va.
Dugwell Packing Co., Rocky Mount, Va.
bDulany J. H., Fruitland, Md.
Dunbar-Dukate Co., Blanche bldg, New Orleans, La.
fvDundee Canning & Preserving Co., Dundee, Mich.
vDurant Bros., Clarkston, Wash.
fvDustan F. W., Clarkston, Wash.
vDutch Canning & Pickling Co., Cedar Grove, Wis.
mvDyer Packing Co. (Pork & Beans), Vincennes, Ind.
fvEagle Valley Cannery Co., New Bridge, Ore.
vEarly W. C., Munford, Va.
vfEast Pembroke Canning Co., East Pembroke, N. Y.
bfvEast Side Canning Co., 220 N av 19, Los Angeles, Cal.
vfEastman Co., Fryeburg, Me.
vEastman J. N. & Co., Casco, Me.
vEaston Packing Co., Easton, Md.
vfEavey Packing Co., Xenia, O.
vEdgar Canning Co. (Pickles), Edgar, Nebr.
vfbEdgett-Burnham Co. (Pork & Beans), Newark, N. Y.
vfbEgypt Canning Co., Fairport, N. Y.
Ehmann Olive Co., Oroville, Cal.
vElba Products Co., Batavia, N. Y.
vEldorado Packing Co., Eldorado, Md.
vElgin Canning Co., Elgin, Ia.
vElgin Packing Co., Elgin, Ill.
fvbElkin Canning Co., Elkin, N. C.
vElliott D. J. & Son, Salisbury, Md.
vbEllis Canning Co., Brant, N. Y.
fvEllsworth & Filley (Pickles), Windsor, Conn.
*Elmore Packing Co., Astoria, Ore.
vElnora Packing Co., Elnora, Ind.
vElsey Canning Co., Elsey, Mo.
vElsner G. W., Aberdeen, Md.
vfbElyria Canning Co. (Hominy), Elyria, O.
Emmart Packing Co. (Hominy), 5425 S State, Chicago, Ill.
vEmpire State Canning Co., Rome, N. Y.
vEmpire State Pickling Co. (Pickles), Phelps, N. Y.
vEmpson Packing Co. (Hominy), Longmont, Colo.
vEnglish Canning & Mfg. Co., English, Ind.
vEphraim Sanitary Canning Co., Ephraim, Utah
vEsmeraldo Canning Co., Circleville, O.
bfvEssex Packing Co., Tappahannock, Va.
vEubank Canning Co., Eubank, Ky.
*Eubank Tankard Co., Kilmarnock, Va.
pvEugene Fruit Growers' Ass'n (Pickles), Eugene, Ore.
fEvans A. J. Canning Co., Fort Valley, Ga.
vEvansville Canning Co., Evansville, Wis.
vEveland G. H., Miamiville, O.
*Everett Packing Co., Everett, Wash.
vFairdale Canning Co., Bridgeton, N. J.
vFair Play Canning Co., Fair Play, Mo.
Fairoaks Fruit Co. (Olives), Fairoaks, Cal.
vbFairton Canning Co., Fairton, N. J.
vfFairview Cannery, Lockport, N. Y.
vFairwater Canning Co., Markesan, Wis.
bfvFallas Edwin Canning Co., Lowell, Mich.
vFall Creek Canneries Pendleton, Ind.
vbFallin T. H., Coan, Va.
vFall River Canning Co., Fall River, Wis.
vFaribault Canning Co., Faribault, Minn.
vFarmers' Canning Co., Dunreith, Ind.
vFarmers' Canning Co., Mt. Carmel, Ill.
vFarmers' Canning Co., Red Lion, Pa.
*vFarnsworth Packing Co., Brooklin, Me.
vFayette Canning Co., Fayette, O.
vFayette Canning Co., Washington C. H. O.
fvbFayetteville Canning Co., Fayetteville, Ark.
Federal Packing Co. (Condensed Milk), Enosburg Falls, Vt.
vFeeser A. W. & Co., Silver Run, Md.
bvFelton Packing & Mfg. Co., Felton, Del.
*fvFenderson W. N., Chebeague Island, Me.
vFerguson Henry, Elwood, Ind.
vFernald, Keene & True Co., West Poland, Me.
vpFerndale Canning Co., Ferndale, Wash.
vFerrell M. F. & Son, Haymakertown, Va.
*Fidalgo Island Packing Co., Anacortes, Wash.
vFilice & Perrelli Canning Co., Gilroy, Cal.
vFinley Canning & Mfg. Co., Ozark, Mo.
vFinney Wm. W., Bel Air, Md.
vFirebaugh D. W., Fincastle, Va.
vFirebaugh W. H., Troutville, Va.
vFishers Canning Co., Fishers, Ind.
vFizer W. E., Bedford, Va.
bpvfFlaccus E. C. Co. (Olives), Wheeling, W. Va.
bfvFleming & Co., S. W. Cor. Cross & Race, Baltimore, Md.
vFleshman H. P., Troutville, Va.
fvFlickinger J. H. Co., San Jose, Cal.
fvFlint Hollow Canning Co., Seymour, Mo.
vFlippor H. O., Buchanan, Va.
vfFlora G. B. & Sons, Wirtz, Va.
fvFlushing Canning Co., Flushing, Mich.
vFoard S. B., Rocks, Md.
mFoell Supply Co., 331 W 22nd pl, Chicago, Ill.
vFogg & Hires Co., Salem, N. J.
vFoidel S., Knoxville, Ia.
b*fvFoote D. E. A. Co., 2023 Aliceanna, Baltimore, Md.
fvFord Bros., Syracuse, N. Y.
vFord W. B., Van Bibber, Md.
vFordland Canning & Packing Co., Fordland, Mo.
pvForest Grove Fruit Growers' Ass'n, Forest Grove, Ore.
*fvForhan H. L., Portland, Me.
vFort Atkinson Canning Co., Fort Atkinson, Wis.
fvbFort Bragg Growers' Assn., Fort Bragg, Cal.
vFortner S. A., Smyrna, Del.
Fort Scott Sorghum Syrup Co. (Honey, Molasses & Syrup), Fort Scott, Kans.
vfpbFort Stanwix Canning Co., Rome, N. Y.
vFortville Canning Co., Fortville, Ind.
f*Foster, Fountain & Co., Biloxi, Miss.
fvFowler Canning & Mfg. Co., Fowler, Colo.
vFox Lake Canning Co., Fox Lake, Wis.
vFralin J. L., Blue Ridge Springs, Va.
mFranco-American Food Co. (Soups & Plum Pudding), Franklin, Jersey City, N. J.
vFranklinville Canning Co., Franklinville, N. Y.
vFranks Canning Co., Franks, Mo.
vFrankton Canning Co., Frankton, Ind.
vFrazier Packing Co., Elwood, Ind.
vFrederick City Packing Co., Frederick, Md.
vFredonia Canning Co., Fredonia, Wis.
fvbFredonia Preserving Co., Fredonia, N. Y.
Frei Pickle Works, E 8th, Portland, Ore.
fvpbFremont Canning Co., Fremont, Mich.
vFremont Kraut Co., Fremont, O.
vFrench James F., Brookston, Ind.
*Frenchmens Bay Packing Co., South Gouldsboro, Me.
fvFriday Bros. Canning Co., Coloma, Mich.
*Friday Harbor Packing Co., Friday Harbor, Wash.
vfFringer C. F., Lithia, Va.
fvFruit Belt Preserving Co., East Williamson, N. Y.
vfbFruit Farm Preserving Co., Cedarville, N. J.
vfFuller Canneries Co., Rockefeller bldg, Cleveland, O.
vFuller E. H., Stanton, Ky.
vGarey & Co., Denton, Md.
*vfbGarner Bros., Lewisetta, Va.
vfpGarrahan Canning Co., Luzerne, Pa.
vGaston Canning Co., Gaston, Ind.
Gebhardt Chili Powder Co., San Antonio, Tex.
vGedney M. A. Co. (Pickles), Minneapolis, Minn.
pGeneseo Canning Co. (Pickles), Geneseo, N. Y.
vGeneva Canning Co., Geneva, O.
vfbGeneva Preserving Co., Geneva, N. Y.
vfGentz A. G., Lineboro, Md.
*George J. R. & Bro., Irvington, Va.
*George & Barker Salmon Packing Co., Point Roberts, Wash.
Georgia Syrup Co. (Syrups), Atlanta, Ga.
vGhent Canning Co., Ghent, Ky.
vf*bGibbs Preserving Co. (Olives & Hominy), 2301 Boston, Baltimore, Md.
mvGibson Canning Co., Gibson City, Ill.
Gifford C. M. & Son (Olives), San Diego, Cal.
vGilman Canning Co., Gilman, Ia.
vGillaspie J. W., Bedford, Va.
vGillett Chas. A., Auburn Junction, Ind.
vGillett Canning Co., Gillett, Wis.
vGillis & Dashiell, Quantico, Md.
fvGirard Canning Co., North Girard, Pa.
vGirdletree Packing Co., Girdletree, Md.
vGivens G. O., Buchanan, Va.
fvGladys Canning Co., Gladys, Va.
pGlaser Crandell Co. (Olives & Pickles), 2006 S Western av, Chicago, Ill.
vGlasgow Canning Co., Glasgow, Mo.
vGlenn Canning Co., Prospect, Va.
*Globe Canning Co., Eastport, Me.
vGlove Creek Canning Co., Montvale, Va.
Glynn Canning Co. (Mince Meat), Brunswick, Ga.
bfvGodfrey Packing Co. (Pickles), Benton Harbor, Mich.

CANNED GOODS—continued

vmGoetjen & Workman, 906 Webster, San Francisco, Cal.
fGolden Gate Packing Co., San Jose, Cal.
vGolden State Asparagus Co., 16 California, San Francisco, Cal.
fvGolden State Canning Co., Ontario, Cal.
Goodard Packing Co., Ogden, Utah
vfbGoode Canning Co., Henry, Va.
vGoode R. L., Buchanan, Va.
pGoodwin Preserving Co. (Mince Meat & Apple Butter), Louisville, Ky.
vGoodwin L. B., Olaf, Va.
vGorrell H. E., Bel Air, Md.
Goshen Milk Condensing Co., Goshen, Ind.
vGrafton R. E., Forest Hill, Md.
vGrand River Canning Co., Markesan, Wis.
pvfGrant Canning Co., Grant, Mich.
vGreat Western Canning Co. (Hominy), Delphi, Ind.
fvbGrebb L., Key Highway & Lawrence, Baltimore, Md.
bfvGrecht W. Co., 1330 S. Sharp, Baltimore, Md.
vGreco Canning Co. (Olives), San Jose, Cal.
vGreen Bay Canning Co., Green Bay, Wis.
vGreen Bros., Ball Ground, Ga.
fvGreen Mountain Packing Co., Portland, Me.
vfGreenbaum Bros., Seaford, Del.
fvGreentown Canning, Ice & Mfg. Co., Greentown, Ind.
fvGregory Fruit Co., Colton, Cal.
vbGresham Fruit Growers' Ass'n, Gresham, Ore.
vGriffith W. F. & Bro., Emmerton, Va.
fvbGriffin & Skelley Co., 16 California, San Francisco, Cal.
vGrimes Canning & Preserving Co. (Hominy), Grimes, Ia.
vGrinels M. P., Bushy, Va.
vGrinnell Canning Co., Grinnell, Ia.
Grogan Chas. P. (Olives), 1744 Albion, Los Angeles, Cal.
vGrowers' Canning Co., Council Bluffs, Ia.
*Gulf Packing Co., Biloxi, Miss.
vGunther F. W. Co., Racine, Wis.
vGuttenberg Canning Co., Guttenberg, Ia.
*Gwynn Island Fish & Oyster Co., Grimstead, Va.
vfGypsum Canning Co., Port Clinton, O.
*Haaker W. Co., 182 Franklin, New York
vHackett L. K. & Co., Finchville, Md.
vbHagelskamp Bros. & Haverkamp, Indianapolis, Ind.
*Halfhill Tuna Packing Co., 215 W 6th, Los Angeles, Cal.
vHall & Whittington, Marion Station, Md.
vHalltown Canning Co., Halltown, Mo.
vfHamburg Canning Co., Hamburg, N. Y.
vHamersville Canning Co., Hamersville, O.
vHampton-Kelley Canning Co., Hampton, Ia.
vbHancock Flora L., Salem, N. J.
vHannabass R. L., Goodview, Va.
vHanson & Lantz, Edgewood, Md.
Harbauer Co. (Pickles & Catsup), Toledo, O.
Hardaway-Cargill Co. (Syrups), Columbus, Ga.
vHardcastle Mrs. K. N. Co. (Plum Pudding & Pickles), Denton, Md.
fvHarrington B. E. & Sons, Taylors Island, Md.
vHarrington Canning Co., Harrington, Del.
vHarris J. P., Preston, Md.
*Harris P. E. & Co., Seattle, Wash.
vHarrison D. L., Broscus, W. Va.
vHarshfield Fred., Shepherdsville, Ky.
vHartford Canning Co., Hartford, Wis.
bvHartlove Packing Co. (Hominy), 14 N Schroeder, Baltimore, Md.
vHarum David Canning Co., Homer, N. Y.
vHarward C. F., Halls, Tenn.
vfpbHaserot Francis H. Co., 527 Woodland, S. E., Cleveland, O.
bfvHastings Packing Co., Laurel, Del.
vHaviland L. P., Camden, N. Y.
vHazel Hill Canning Co., Fredericksburg, Va.
vHayner J. M. & Co., South Lebanon, O.
vHeck A. B., Buchanan, Va.
Heinz H. J. Co. (Pickles & Catsup), 1062 Main N S, Pittsburgh, Pa.
Helvetia Milk Condensing Co., Highland, Ill.
fbvHemet Canning Co., Hemet, Cal.
vfbHemingway H. C. & Co., Syracuse, N. Y.
vHenderson Canning Co., Aberdeen, Md.
fvHenning Wm. Co. (Pickles), 1260 W Division, Chicago, Ill.
vHenry Bros., Poage's Mill, Va.
vHerfort F. Canning Co., Baraboo, Wis.



*fHerman M. S. & Bros., Savannah, Ga.
fvHershey P. H., Spring Grove, Pa.
Heyl Bros. Co. (Molasses & Syrups), 101 S. Front, Phila., Pa.
vHickmott R. Canning Co., 320 California, San Francisco, Cal.
vHighland Cherry Farm Co., Clyde, O.
Highland Milk Condensing Co., Elkland, Pa.
fvbHighland Orchards Co., Highland, N. Y.
vHild Canning Co., Pierre, S. D.
Hillsboro Condensed Milk Co., Hillsboro, Wis.
*Hillside Canning Co., Port Townsend, Wash.
pHilltop Pure Food Co. Ltd. (Honey), Pittsburgh, Pa.
vHilton J. D., Fincastle, Va.
vHiram Co-operative Canning Ass'n, Hiram, Me.
Hires Condensed Milk Co., Drexel bldg., Phila., Pa.
vHirsch Bros. Co. (Pickles, Olives & Catsup), 105 Ferry, Pittsburgh, Pa.
Hirsch Bros. & Co. (Pickles), Louisville, Ky.
fvHirsch D. & Bro., Milford, Del.
fvHitchock L., Eagle Harbor, N. Y.
vfHobbs Mfg. Co., Denton, Md.
*Hoegg D. W. Co., Portland, Me.
vHoffecker Bros. & Hall Co., Smyrna, Del.
vHoffecker J. H. Canning Co., Smyrna, Del.
vHohenadel P. Jr. & Co., Byron, Ill.
bfvHolland Canning Co., Holland, Mich.
Holly Condensed Milk Co., Amity, Ore.
vHolmen Canning Co., Holmen, Wis.
*Holmes Co., Robbinston, Me.
*Holmes E. A. Packing Co., Eastport, Me.
*Holmes M. C. Canning Co., Eastport, Me.
vHolsinger Paul & Son, Downs, Md.
vHome Canning Co., Kempton, Ind.
fvHome Canning Co., Blissfield, Mich.
fvHoney Creek Canning Co., Aurora, Mo.
vHood Canning Wks., Portland, Ind.
fHooke Geo. H., 203 California, San Francisco, Cal.
*Hoonah Packing Co., Port Townsend, Wash.
vHoopeston Canning Co., Hoopeston, Ill.
vHope Canning Co., Hope, Ind.
vHopewell Valley Canning Co., Hopewell, N. J.
vHopkins Jonathan L., Vernon, Del.
*Hoquiam Packing Co., Hoquiam, Wash.
fvHoughland Bros. Canning Co. (Hominy), Underwood, Ind.
fHouser W. L. Canning Co., Fort Valley, Ga.
vHousman C. S., Troutville, Pa.
mHouston Packing Co., Houston, Tex.
vHubbard F. F., Canastota, N. Y.
vHubbard James Co., Ottoman, Va.
vHubbard O. W., East New Market, Md.
vHubbard W. J., Teagues, Mo.
vHuddleston Canning Co., Thaxton, Va.
fvHudson C. F. & Son, Rocky Mount, Va.
fvbHudson & Co., Holley, N. Y.
pHuffman W. D. Co. (Pickles & Olives), W St. Clair & Big Four, Indianapolis, Ind.
vHufford & Harding, South Lebanon, O.
vHumbert C. S., Troutville, Va.
pvHumbert & Andrews, 646 Dean, Brooklyn, N. Y.
*fvHume G. W. Co., 112 Market, San Francisco, Cal.
fvHunt Bros. Co., San Francisco, Cal.
*Hunt Packing Co., Beaufort, S. C.
fvbHurley J. W., Urbanna, Va.
vHurlock C. S., Massey, Md.
vHuron Canning Co., Port Austin, Mich.
vHurt R. D., Salem, Va.
vHustisford Canning Co., Hustisford, Wis.
fHyde Geo. E. & Co., Campbell, Cal.
fHymera Canning Co., Hymera, Ind.
vfIberia Canning Co., Iberia, Mo.
vIda Canning Co., Ida, Mich.
fIdaho Canning Co., Payette, Idaho
fvIkenberry Bros., Daleville, Va.
fvIkenberry H. C. & Co., Cloverdale, Va.
vIllinois Canning Co., Hoopeston, Ill.
Illinois Condensed Milk Co., White Hall, Ill.
vIndependence Canning Corp., Independence, Ia.
vInderrieden Canning Co., 336 River, Chicago, Ill.
fvIndiana Canning Co., Evansville, Ind.
Indiana Condensed Milk Co., Sheridan, Ind.
fvIngersoll J. H. & Co., Exeter, N. H.
vInsley G. C., Lakesville, Md.
vInsley & Mitchell, Salisbury, Md.
vIowa Canning Co., Vinton, Ia.
vIowa City Canning Co., Iowa City, Ia.
vIowa Valley Canning Co., Marengo, Ia.

vIron Ridge Canning Co., Iron Ridge, Wis.
vIroquois Canning Co., Onarga, Ill.
*Irving Canning Co., La Conner, Wash.
*Irvington Packing Co., Irvington, Va.
vJackson J. A., Goldsboro, Md.
fvJames J. T., Roanoke, Va.
vJamestown Canning Co., Jamestown, Ind.
vbJarboe E. R. Canning Co., Mechanicsville, Md.
vJarrell R. & Son, Marydel, Md.
vJarrell R. & Sons, Goldsboro, Md.
vJeffersonville Canning Co. (Hominy), Jeffersonville, Ind.
Jelke John F. Co. (Milk), 759 S Washtenaw av, Chicago, Ill.
vJersey Albert, Belcamp, Md.
vJohannes H. J. Pickling Co., Clintonville, Wis.
vJohnson Grafton, Greenwood, Ind.
vJones E. T., Pittsville, Md.
*Joullian E. C. Packing Co., Lake Shore, Miss.
vJourdan C. R. & Son, Darlington, Md.
Kahoka Evaporated Milk Co., Kahoka, Mo.
fvKale Canning Co., Everson, Wash.
Kalmath River Packers Assn., Requa, Cal.
*fbKane H. S., Brooklin, Me.
vKarnes Bros., Buchanan, Va.
vKauffmann F. A. Mfg. Co., 106 S 2d, St. Louis, Mo.
vfKaysville Canning Corp., Kaysville, Utah
vKeene-Belvidere Canning Co. (Pickles), Belvidere, Ill.
vKeene Canning Co., Freeport, Ill.
fvKeene R. A. & Son, Poland, Me.
vKelley Canning Co., Waverly, Ia.
fvKelty S. L., Quinton, N. J.
*Kendall & Little, Copalis, Wash.
*Kennedy Packing Co., Biloxi, Miss.
vKennard Canning Co., Kennard, Ind.
mKennel Food Supply Co., Fairfield, Conn.
vKenyon Canning Co., Kenyon, Minn.
vKeokuk Canning Co. (Pickles), Keokuk, Ia.
vKesler P. W., Roanoke, Va.
vfKessler F. M. & Son, Buchanan, Va.
vKessler, J., Butler, Md.
vKey City Packing Co., Port Townsend, Wash.
Kidd Mrs. E. G., Inc. (Pickles), Richmond, Va.
vKimble G. A. & Bro., Abingdon, Md.
fvKing W. P. & Son, Peach Bottom, Pa.
mKingan & Co. Ltd., W Maryland & Blackford, Indianapolis, Ind.
fKings County Packing Co., Armona, Cal.
fvKinzie T. D., Troutville, Va.
vKirby Canning Co., Trappe, Md.
vKirby & Gallop, Oxford, Md.
vKirwan J. E. Co., Atlantic Wharf, Baltimore, Md.
vKlindt, Geiger Canning Co., Cassville, Wis.
vKnight Packing Co. (Pickles & Olives), 474 E. Alder, Portland, Ore.
vKnightstown Conserve Co., Knightstown, Ind.
vKnobview Canning Co., Knobview, Mo.
vfKnowles-Lombard Co., Guilford, Conn.
vfKopf Bros. Co., New Haven, Conn.
vKrier Preserving Co., Belgium, Wis.
vKroh C. Irving, Silver Run, Md.
Kubias J. C. (Olives), Redlands, Cal.
vKurtz A. E., Forest Hill, Md.
*Kurtz W. W., Moclips, Wash.
vKusske H. P., Mayer, Minn.
*Kyle W. & Sons Co., Florence, Ore.
vfLackland L. C. & Sons, Lithia, Va.
vLa Crescent Canning Co., La Crescent, Minn.
vLadoga Canning Co., Ladoga, Ind.
vLake County Canning Co., Ukiah, Cal.
fvLake Lily Canning Co., Mountain Grove, Mo.
vLake Mills Canning Co., Lake Mills, Ia.
Lake Odessa Milk Co., Lake Odessa, Mich.
vLake Shore Canning Co., Sheboygan, Wis.
vLanark Canning Co., Lanark, Ill.
vLanesboro Canning Co. (Pork & Beans), Lanesboro, Minn.
fvLang Canning & Preserving Co., Beatrice, Nebr.
vLange Canning Co., Eau Claire, Wis.
*bfvLangrall J. & Bro., 2105 Aliceanna, Baltimore, Md.
vfbLaning Geo. D., Bridgeton, N. J.
fvbLaning W. & Son Co., Bridgeton, N. J.
vfLansdale Pure Food Co. (Catsup), 1229 Germantown av, Phila., Pa.
vLansdowne, J. T., Stone Mountain, Va.
vLapel Canning Co., Lapel, Ind.
vLa Porte Canning Co., La Porte, Ind.
Larimer County Co-operative Milk Condensing Co., Loveland, Colo.
vLarsen Wm. Canning Co., Green Bay, Wis.
vLatane & Watson, Murford, Va.
*Latimer & Lawrence Packing Co., Biloxi, Miss.

bfvLaurel Canning Co., Laurel, Del.
*Lawler Allen J., Southwest Harbor, Me.
*Lawrence Canning Co., Rockland, Me.
*vLawry E. H., Lawry, Me.
vfLayman Bros. Co., Daleville, Va.
fvLayman C. A., Troutville, Va.
fvLayman J. W., Troutville, Va.
fvLayman Wm. F., Roanoke, Va.
vLeasburg Canning Co., Leasburg, Mo.
vLednum J. F., Preston, Md.
vLednum R. I. & Co., Pocomoke City, Md.
fvLee Canning Co., Hamilton, N. Y.
vLee Chester A., Easton, Md.
vLeeds Packing Co., Easton, Md.
vLeesburg Canning Co., Leesburg, O.
vLehi Canning Co., Lehi, Utah
vLeisure Packing Co., Elwood, Ind.
fLeland Fruit & Packing Co., Leland, Wash.
vLe Roy Canning Co., Le Roy, N. Y.
vLewes Packing Co., Lewes, Del.
vf*bLewis Canning Co., Westport, Cal.
fvLewis County Canning Ass'n, Chehalis, Wash.
vLewis F. C., Hopkins, Va.
vLewisville Canning Co., Lewisville, Ind.
bfmpLibby-McNeill & Libby (Pickles & Olives), 300 W S Water, Chicago, Ill.
vLiberty Brand Canning Co., Dover, Del.
vLiddell G. J., Liberty Grove, Md.
*Lighthiser C. H., 602 William, Baltimore, Md.
vfbLindale Canning Co., Lindale, Tex.
vLingo R. D. & Co., Daysboro, Del.
fvLinn-Benton Fruit Growers' Ass'n, Albany, Ore.
pLippincott Co. (Olives & Chili Sauce), 42 Main, Cincinnati, O.
vLippincott Mrs. J. W., Salem, N. J.
vLloyds Packing Co., Lloyds, Md.
vfbLockport Canning Co., Lockport, N. Y.
*vbLoggie A. & R., Columbia Falls, Me.
Loma Ranch Co. (Olives), Fall Brook, Cal.
vLong Bros., Westover, Md.
vLang Cider & Canning Co., Brownville, Nebr.
pLong Fruit Products Co., Lewis bldg, Portland, Ore.
cLongaker H. G. & Co., Federalsburg, Md.
Los Angeles Olive Growers' Ass'n, Higgins bldg, Los Angeles, Cal.
*Los Angeles Tuna Canning Co., Long Beach, Cal.
Loudon Packing Co. (Soups & Chili Sauce), Terre Haute, Ind.
*fvLowden G. W., Savannah, Ga.
vbLowekamp Bros., Jessups, Md.
vLowell Canning Co., Lowell, Wis.
*Lower California Fisheries Co., San Diego, Cal.
vLoyd H. C., Goodview, Va.
*Lubec Sardine Co., Lubec, Me.
bfvLudington J. & Co., 2211 Boston, Baltimore, Md.
vLugar C. W., Troutville, Va.
*Lummi Bay Packing Co., Green Bay, Wis.
vLuttrell & Unger, Unger's Store, W. Va.
vLutz Isadore, Bloomington, Ill.
vpLutz & Schramm Co. (Olives & Pickles), 1412 River av, N S, Pittsburgh, Pa.
vLyndonville Canning Co., Lyndonville, N. Y.
McBrayer Canning Co., McBrayer, Ky.
McClellanville Canning Co., McClellanville, S. C.
McComas G. W. & Co., Monrovia, Md.
McComas Geo. W. & Sons, Singer, Md.
McCoy Canning Co., Urbana, O.
McCready & Webster, Chance, Md.
McCullough M., Buchanan, Va.
McFerran J. W., Fincastle, Va.
McGowan P. J. & Sons, McGowan, Wash.
bfvMcGrath H. J. Co., Atlantic Wharf, Baltimore, Md.
vMcIlhenny Co. (Olives), Avery Island, La.
McMurray Louis Pkg. Co., Pontiac, Ill.
McNally Ranch (Olives), La Mirada, Cal.
McWain Canning & Packing Co., East Waterford, Me.
MacNichol Packing Co., Eastport, Me.
vMagill J. R. Bellingham, Wash.
Magness R. L. & Co., Emmorton, Md.
Mahon M. J. & C. M., Ellendale, Del.
pbMalcolm J. B. & Co., Marion, N. Y.
Mangas C. B. & S. D., Vesuvius, Va.
fansfield Fred C. Co. (Condensed Milk), Johnson Creek, Wis.
Mansfield Packing Co., Jonesport, Me.
Manteca Canning Co., Manteca, Cal.
vMarble W. A. & Co., West Farmington, Me.
bvMarengo Canning Co., Marengo, Ind.
vMarkesan Canning Co., Markesan, Wis.
vMarkham F. J., Mumford, Va.
fvMarkham L. R., Lithia, Va.
vMarkland Canning Co., Markland, Ind.
fvMarionville Canning Co., Marionville, Mo.
vfMarr Canning Co., Gravette, Ark.
vMarshall Canning Co., Marshalltown, Ia.
vMarshall J. L. & J. O., Overbrook, Del.
vMarshall L. D., Thaxton, Va.
vfMarshfield Canning Co., Marshfield, Mo.
vMason Canning Co., 3d & Walnut, Cincinnati, O
fvbMason County Fruit Growers' Ass'n, Shelton, Wash.
vMaud Canning Co., Maud, O.
vbMay H. & Co., Egg Harbor City, N. J.
*bMayo A. H., Naskeag, Me.
vMayville Canning Co., Mayville, Wis.
Maywood Packing Co. (Olives), Corning, Cal.
Meadowbrook Condensed Milk Co., Issawuah, Wash.
vMedora Canning Co., Medora, Ind.
*Megler J. G. & Co., Brookfield, Wash.
fvMendoza Frank & Son, Dighton, Mass.
Mercurio Bros. Spaghetti Mfg. Co., 829 N 8th, St. Louis, Mo.
vMerrell Canning Co., Harlan, Ia.
vMerrell-Soule Syracuse, N. Y.
vMessenger H. B., Federalsburg, Md.
vfMessenger R. W. & Co., Federalsburg, Md.
vMessick & Harper, Hurlock, Md.
vMessick R. M. & Son, Bethlehem, Md.
vMessick W. F. & Bro., Salisbury, Md.
vMeta Canning Co., Meta, Mo.
vMiami Canning Co., Lebanon, O.
vMichael John M., Aberdeen, Md.
vMichael W. O., Fountain Green, Md.
vpbMichigan Refining & Preserving Co. (Pickles), Menominee, Mich.
*Midnight Sun Packing Co., Seattle, Wash.
pfvMikesell & Co., Traverse City, Mich.
*Milden Packing Co., Sharps, Va.
vMilford Canning Co., Milford, Ill.
vbMillbourne L. M., Kingston, Md.
*Millbridge Packing Co., Millbridge, Me.
vfMiller D. H. & Co., Moneta, Va.
Miller N. H. (Hominy), Pleasantville, O.
vMiller Thomas D., Havre De Grace, Md.
vMill Shoals Canning Co., Mill Shoals, Ill.
vMilwaukee River Canning Co., Thiensville, Wis.
vMimbres Valley Growers' & Canners' Ass'n, Hondale, N. Mex.
vMinnesota Valley Canning Co., Le Sueur, Minn.
vMinnetonka Canning Co., St. Bonifacius, Minn.
vMinot Packing Co., Mechanic Falls, Me.
vMissing Link Apple Co., Clayton, Ill.
v*Mitchell F. O. & Bro., Perryman, Md.
vMitchell J. S. & Bro., Aberdeen, Md.
vMitchell R. F. & G. H., Aberdeen, Md.
vMitchell M., Aberdeen, Md.
vMitchell Ralph M., Aberdeen, Md.
fvMoab Canning Co., Moab, Utah
Mohawk Condensed Milk Co., 71 Hudson, New York
vMondovi Co-operative Canning Co., Mondovi, Wis.
fvMonmouth Canning Co., Portland, Me.
vMonocacy Valley Canning Co., Frederick, Md.
vMonroe Canning & Packing Co., Monroe, Mich.
vfbMonroe County Canning Co., Brockport, N. Y.
vfMontclair Jam Kitchens (Olives & Pickles), Montclair, N. J.
*Monterey Packing Co., 110 Market, San Francisco, Cal.
vMontgomery S. P., Buchanan, Va.
vMontpelier Canning Co., Montpelier, O.
vMonticello Canning Co., Monticello, Ia.
fvMonticello Preserving Co., Monticello, Minn
Montvale Canning Co., Montvale, Va.
fvMoomaw G. A., Troutville, Va.
vfbMoore & Brady Co., Key Highway & Boyle), Baltimore, Md.
vMorgan Canning Co., Morgan, Utah
vMorgantown Packing Co (Hominy, Pork & Beans), Morgantown, Ind.
vMorlok F., Abingdon, Md.
mvMorrell J. & Co. (Soups), Ottumwa, Ia.
fvMorris Canning Co., Lambertville, N. J.
mMorris & Co. (Milk), Union Stock Yards, Chicago, Ill.
vMorrison Charles H., Aurora, Mo.
vMorrow Packing Co., Morrow, O.
vfbMorton Canning Co., Morton, N. Y.
fvMoulton W. A., Phoenix, N. Y.
vMount Calvary Canning Co., Mount Calvary, Wis.
fvbMount Morris Canning Co., Mount Morris, N. Y.
vMount Pleasant Canning Co., Mount Pleasant, Ia.
Mt. Vernon Cream Co. (Milk), Seattle, Wash.
vMullen - Blackledge - Nellis Co. (Chili Sauce), Brazil, Ind.
vMuller Bros. (Pickles & Catsup), Oakland, Cal.
Munson Bros. (Olives), Phoenix, Ariz.
vMurphy C. & Sons, Rocks, Md.
fvMurray G. M. Sons Canning Co., Odenton, Md.
vMurray & Patterson, Hollins, Va.
*Musher & Co., 140 Liberty, New York
fMusselman Canning Co., Biglersville, Pa.
*Myers G. T. & Co., Seattle, Wash.
vMyers W. H. & Co., Bryansville, Pa.
vNable R. F. & Co., Cannon, Del.
*Nahcotta Canning Co., South Bend, Wash.
*Naknek Packing Co., San Francisco, Cal.
vNaomi Canning Co. (Hominy), Edinburg, Ind.
fvbNational Canning Co., Olympia, Wash.
National Pickle & Canning Co., Blue Island, Ill.
vNauvoo Canning Co., Nauvoo, Ill.
vbNeal W. H. & Son Co., Hurlock, Md.
vNeenah Packing Co., Neenah, Va.
vNeillsville Canning Co., Neillsville, Wis.
fvNelson Canning Co., Galena, Mo.
vNeosho Canning Co., Neosho, Mo.
*Neptune Packing Co., 148 State, Boston, Mass.
fvNester P. H., Thaxton, Va.
Nestles Food Co. (Prepared Food), 136 William, New York
vfbNevada County Cannery Ass'n, Grass Valley, Cal.
fvbNew Era Canning Co., New Era, Mich.
vNew Hartford Canning Co., Ltd., New Hartford, N. Y.
vNew Holstein Canning Co., New Holstein, Wis.
vNew Lisbon Canning Co., New Lisbon, Ind.
vNew Stone Canning Co., Fordland, Mo.
vNewtonsville Canning Co., Newtonsville, O.
cNixa Canning Co., Nixa, Mo.
vNoble A., Preston, Md.
vNobel County Canning Co., Lisbon, Ind.
fvNoell J. A., Bedford, Va.
vfNofsinger M. P., Fincastle, Va.
vNominy Grove Canning Co., Nominy Grove, Va.
vfNorfolk Packing Co. (Pork & Beans), Norfolk, Nebr.
vNorris J. T., Van Bibber, Md.
*North Alaska Salmon Co., 110 Market, San Francisco, Cal.
*North American Tuna Canning Co., Terminal, Cal.
*North Lubec Mfg. & Canning Co., North Lubec, Me.
vNorth Ogden Canning Co., North Ogden, Utah.
*North Pacific Trading & Packing Co., Hobart bldg, San Francisco, Cal.
fvbNortheast Preserving Wks., North East, Pa.
vNorthern Maine Packing Co., Corinna, Me.
bvfpNumsen Wm. & Sons, 18 Light, Baltimore, Md.
vNuttle H. T. & H. H., Hobbs, Md.
vOak Grove Canning Co., Oak Grove, Va.
fOakton Canning Co., Oakton, Ky.
Oatman Condensed Milk Co., Dundee, Ill.
vfObenshain Wm., Nace, Va.
vfObenshain J. B. & Sons, Montvale, Va.
*Ocean Food Packing Co., Everett, Wash.
vOcean Shore Canning Co., 112 Market, San Francisco, Cal.
*Ocean Springs Packing Co., Ocean Springs, Miss.
fvbOceana Canning Co., Shelby, Mich.
vOdessa Canning Co., Oak Grove, Mo.
*Oemler Oyster Canneries, Savannah, Ga.
Ohio Dairy Co. (Milk), Toledo, O.
vOhio Valley Canning Co., Charlestown, Ind.
vfOld Homestead Cannery Co., Fork Union, Va.
vOlivia Canning, Preserving & Mfg. Co., Olivia, Minn.
vfbOlney B. Canning Co. (Pork & Beans), Oneida, N. Y.
vOlney & Floyd, Westernville, N. Y.
vOmaha Canning Co., Omaha, Ill
vOnohundro T. E., Farmers Fork, Va.
vOnalaska Pickle & Canning Co. (Olives), Onalaska, Wis.

CANNED GOODS—continued

vfpbOneida Community Ltd. (Pickles), Oneida, N. Y.
vOneida County Canning Co., Ltd., Verona, N. Y.
vOostburg Canning Co., Oostburg, Wis.
vfOregon Canning Co., Oregon, Mo.
*Oregon Fisheries Co., Bay City, Ore.
fvOregon Packing Co., 460 Belmont, Portland, Ore.
vfOrleans County Canning Co., Barre Center, N. Y.
fOrrtanna Canning Co., Orrtanna, Pa.
vOrtega E. C. (Catsup & Chili Sauce), 602 Santa Fe av, Los Angeles, Cal.
vOsborn H. A., Havre De Grace, Md.
fvbOsborn W. H. Co., Honeoye Falls, N. Y.
vfOsborn & Whitney, Rush, N. Y.
vfOswego Preserving Co., Oswego, N. Y.
vOtisco Canning Co., Otisco, Ind.
fvOtoe Food Products Co. ("Otoe," "Pioneer," "Aborall," "Luxury" & "Shepard" Brands), Nebraska City, Nebr.
vOwatonna Canning Co., Owatonna, Minn.
vOwen Canning Co., Owen, Wis.
vOwens A. H. & Bro., Perryville, Md.
fvOwensboro Canning Co., Owensboro, Ky.
vfOwosso Canning Co., Owosso, Mich.
*Pacific-American Fisheries, South Bellingham, Wash.
Pacific Coast Condensed Milk Co., Berlin, Wis.
bfvPacific Coast Canning Co., Oakland, Cal.
pmPacific Coast Syrup Co. (Honey), San Francisco, Cal.
Pacific Creamery Co. (Milk), Tempe, Ariz.
*Pacific Fish Co., 112 Market, San Francisco, Cal.
*Pacific Fisheries & Packing Co., Aberdeen, Wash.
vPacific Pea Packing Co., Eau Claire, Wis.
*Pacific Tuna Canning Co., San Diego, Cal.
vPacific Vinegar & Pickle Wks., 110 Market, San Francisco, Cal.
Page Milk Co., Ubly, Mich.
Page Thos. (Catsup), Albion, N. Y.
vParks & Bros., Kinsale, Va.
vParkston Canning Co., Parkston, S. D.
vfPasadena Canning Co., Pasadena, Cal.
vPatchett J. P., Federalsburg, Md.
vPaxton Canning Co., Paxton, Ill.
vPayne Mfg. & Canning Co., Payne, O.
vbPearson A. E. & Son, Lottsburg, Va.
fvPeck C. L. & Sons, Fincastle, Va.
fvPecke & Pratt, Hilton, N. Y.
fvPecos Valley Farm Products Co., Dayton, N. Mex.
pvPe-Co-To Packing Co., Indianapolis, Ind.
vPekin Canning Co., Salem, Ind.
*Pelican Lake Oyster & Packing Co., Ltd., Houma, La.
Penick & Ford, Ltd. (Molasses & Syrups), Whitney bldg., New Orleans, La.
vPennington Canning Co., Pennington, N. J.
vfpbPerry O. H. & Son, Manlius, N. Y.
Perry Packing Co. (Condensed Milk), Perry, Ia.
vPeru Canning Co., Peru, Ind.
fvPeru Canning & Mfg. Co., Peru, Nebr.
*Petersburg Packing Co., Seattle, Wash.
vPetersburg Sanitary Canning Co., Petersburg, Ind.
bfpvPharr King (Honey), Catherine, Ala.
vPhelps H., North Bay, N. Y.
vfPhiladelphia Pickling Co. (Pickles & Honey), 262 S 2d, Phila., Pa.
vPhillips J. H. Sons, Berkeley Springs, W. Va.
vfPhillips Packing Co., Cambridge, Md.
vPhillips, Waller Co., Salisbury, Md.
Pickert L. Fish Co. (Salt Mackerel, Smoked Fish), 16 New, Boston, Mass.
bfvpPierce City Packing Co., Pierce City, Mo.
*Pillar Bay Packing Co., Seattle, Wash.
vPioneer Canning Co., St. Henry, O.
vPioneer Canning & Pickling Co., St. Nazianz, Wis.
fPlacer County Growers' Ass'n, Lincoln, Cal.
vPlainville Canning Co., Plainville, Ind.
vfbPlatt & Co., Key Highway & Boyle, Baltimore, Md.
Platte Valley Canning Co., Denver, Colo.
fvbPleasant Grove Canning Co., Pleasant Grove, Utah
vPlum Point Canning Co., Plum Point, Md.
vPlymouth Canning Co., Plymouth, Wis.
*Point Lobos Canning Co., Monterey, Cal.
vPolk J. T. Co. (Soups & Hominy), Greenwood, Ind.
vfPomona Valley Canning Co., Pomona, Cal.
mPond E. K. Packing Co, 517 W 24th pl, Chicago, Ill.
Portland Packing Co., Portland, Me.
*Portland Products Co., South Portland, Me.
vPowellsville Canning Co., Powellsville, Md.
vPrairie City Canning Co., Prairie du Chien, Wis.
bfvPrairie Grove Vinegar & Preserving Co., Prairie Grove, Ark.
vPrairie State Canning Co., El Paso, Ill.
vPrairie View Canning Co., Randolph, Wis.
fPratt, J. W., Farmington, Me.
vfbPratt Low Preserving Co., Santa Clara, Cal.
*Premier Packing Co., San Diego, Cal.
vPressing W. C. Canning Co., Norwalk, O.
fvPreston Canning Co., Preston, Md.
vPreston Harry T., Middletown, Del.
vPreston W. T. & A., Aberdeen, Md.
fvPrettyman G. H., Milford, Del.
Price-Booker Mfg. Co. (Catsup, Pickles & Chili Sauce), Houston Heights, Tex.
vPrice D. E. & Son, Darlington, Md.
fvpPride W. H. & Co., Bellingham, Wash.
vPrinceton Canning Co., Brownsburg, Ind.
fvpbPritchard E (Plum Pudding), Bridgeton, N. J.
fProspect Canning Co., Bedford, Va.
*Prosper Canning Co., Prosper, Ore.
vPure Food Canning Co., Erie, Pa.
fvbPyle J. F. & Son, San Jose, Cal.
vQuenponco Packing Co., Newark, Md.
vRacine Canning Co., Racine, O.
fvRader F. B., Troutville, Va.
vRalph C. S. & Bro., Vienna, Md.
vRandolph Canning Co., Randolph, Wis.
Ratliff Pure Food Products Co. (Chili Sauce), Fort Worth, Tex.
vReaburn J. H., Nace, Va.
vReber A. C., Ridgley, Md.
mvReber Preserving Co. (Hominy), Eola, Ill.
vReckord Bros., Bel Air, Md.
vRecords E. M. Co., Forest, Del.
fRed Apple Orchard Corp., Shipman, Va.
vfRed Creek Canning Co., Red Creek, N. Y.
vRed Oak Canning Co., Red Oak, Ia.
Redden G. T. & Co., Denton, Md.
vReece E. G., Canning Co., Waldron, Ind.
fvReed C. D., Troutville, Va.
vReedsburg Canning Co., Eau Claire, Wis.
vReese E. C., Harrington, Del.
vReese S. P. & Co., Harrington, Del.
vRehoboth Packing Co., Rehoboth Beach, Del.
pvReid, Murdoch & Co. (Pickles & Olives), Clark st. Bridge, Chicago, Ill.
vRemington Packing Co., Moorhead, Minn.
vRenfrew R. M., Fayette, Pa.
fvReynolds E. W., Troutville, Va.
vReynolds J. S. & Co., Frederica, Del.
Reynolds Preserving Co., Sturgeon Bay, Wis.
vReynolds S. H., Nace, Va.
fRheimstrom Bros. Co., Cincinnati, O.
mRice E. A. Co., 2230 S La Salle, Chicago, Ill.
vRich J. W., Deer Creek, Ill.
vRichardson T. P., Boone Mill, Va.
vRichardson W. R. & Sons, Troutville, Va.
vRichardson W. T. & Co., Rising Sun, Md.
vRichardson & Robbins Co., Dover, Del.
fRicks Bros., Reynolds, Ga.
vRider Packing Co. (Hominy), Crothersville, Ind.
vRidersville Canning Co., Ridersville, W. Va.
fvRiely H. M. & Bros., Blue Ridge Springs, Va.
*Riggin R. & Bro., Crisfield, Md.
vRiley Packing Co., Farmington, Del.
Ripon Conning Co., Ripon, Wis.
vRio Grande Packing Co., 120 Spruce, Phila., Pa.
vpbRitter P. J. Conserve Co. (Soups & Olives), 2156 E Dauphin, Phila., Pa.
vRitty A. E. Canning Co., Dayton, O.
fvRiverside Canning Co. (Pickles & Hominy), Hamburg, Ia.
fvRiverton Canning Co. (Chili Sauce), Riverton, Utah
vRiverview Canning Co., Streator, Ill.
vfb Roach W. R. & Co., Hart, Mich.
vfbRoberts Bros., 416 E Lexington, Baltimore, Md.
vRoberts H. W., Clara, Md.
vfRoberts W. H. & Co. (Peanut Butter), 1011 S Lakewood av, Baltimore, Md.
vRobinson A. S., Fallston, Md.
*Robinson Quincy, Warrenton, Ore.
vfbRobinson S. M. & Co., 607 S. Luzerne av, Baltimore, Md.
Robinson T. K. Co. (Molasses), Vicksburg, Miss.
fvRobinson W. E. & Co., Bel Air, Md.
vRochester Canning Co., Rochester, Ind.
vRockfield Canning Co., Rockfield, Wis.
vRockford Canning Co., Rockford, Ill.
vRock Island Canning Co., Sears, Ill.
fvRockport Canning Co., Rockport, Mo.
vRock Springs Canning Co., Allenton, Mo.
fvbRocky Ford Canning & Mfg. Co., Rocky Ford, Colo.
fRoddenberry W. B. (Molasses), Cairo, Ga.
vRoe F. B. Co., Greensboro, Md.
Roeding Fig & Olive Co., Fresno, Cal.
fRogue River Valley Canning Co., Medford, Ore.
vRoot J. V., Versailles, Ill.
vRose & Williams, Princess Anne, Md.
vRoss E. C., Seaford, Del.
fvRossville Canning Co., Rossville, Ill.
Royal Packing Co. (Catsup, Chili Sauce, Chile Powder, Peppers & Spanish Pimientos), 1815 Sacramento, Los Angeles, Cal.
vRoyal Packing Co., Milton, Del.
vRoyal Packing Co., Windfall, Ind.
*Royal River Packing Co., Portland, Me.
vRuff E. G., Delta, Pa.
vRuff & Rehmeyer, Woodbine, Pa.
*Ruge Bros. Canning Co., Apalachicola, Fla.
vRussell W. L. & Son, Mila, Va.
vRussellville Packing Co., Russellville, O.
vRutland Canning Co., Rutland, O.
vSachem's Head Canning Co., Guilford, Conn.
vSac City Canning Co., Sac City, Ia.
fvSaco Valley Canning Co., Portland, Me.
vSadler Canning Co., Cicero, N. Y.
vSailors' Packing Co., Kokomo, Ind.
vSt. Elizabeth Canning Co., St. Elizabeth, Mo.
vSt. Thomas Canning Co., St. Thomas, Mo.
vSalem Canning Co., Salem, N. J.
vSalem Ernest, Phalanx, N. J.
vSalem Supply Co., Salem, N. J.
*Salina Packing Co., Anacortes, Wash.
fvbSalter Canning Co., North Rose, N. Y.
vSamels Bros. & White, Chaska, Minn.
*Sanborn-Cutting Co., Astoria, Ore.
vSandy Ford Canning Co., Thaxton, Va.
vSanford W. H., Tucker Hill, Va.
vSan Gabriel Valley Canning Co., Los Angeles, Cal.
fvSanguinetti Canning Co., Mountain View, Cal.
vSanitary Canning Co., Westphalia, Ind.
vSanitary Canning Co., Stoutland, Mo.
*Sanitary Fish Co., Anacortes, Wash.
vSanitary Packing Co., Hollandsburg, O.
*San Juan Canning Co., Friday Harbor, Wash.
*San Juan Fishing & Packing Co., Seattle, Wash.
fvSarcoxie Canning Co., Sarcoxie, Mo.
fvSauguoit Canning Co., Utica, N. Y.
vSauk City Canning & Pickling Co., Sauk City, Wis.
vSaulsbury Bros., Ridgely, Md.
pvSawyer Canning Co., Atkinson, N. H.
Sayres Iven H., Westminster, Md.
vfbSchall Packing Co., Atlantic Wharf, Baltimore, Md.
vScience Hill Canning Co., Science Hill, Ky.
Scio Condensed Milk Co., Scio, Oreg.
vScott C. M. Packing Co., Dover, Del.
fvScotten Geo. P. & Son, Magnolia, Del.
vfScottsburg Canning Co. (Hominy), Scottsburg, Ind.
vScoville H. D., Constantia, N. Y.
fScutt Frank, Verbank Village, N. Y.
*Sea Beach Packing Wks., Aberdeen Wash.
*Seaborg B. A., Gold Beach, Ore.
*Sea Coast Canning Co., Eastport, Me.
*fSea Food Co., Biloxi, Miss.
vSears C. E. & Co. (Hominy), Circleville, O.
vSears D. M. Co. (Pickles & Hominy), Fort Wayne, Ind.
vfbSears & Nichols Canning Co. (Hominy), Chillicothe, O.
*Seaside Canneries, Portland, Ore.
vSeaside Canning Co., Ocean City, Md.
*Seattle Packing Co., Seattle, Wash.
fvSecrist & Camper, Buchanan, Va.
vSelbyville Packing Co., Selbyville, Del.
vSellman A. B. & Bro., Watersville, Md.
Seneca Kraut & Pickling Co., Geneva, N. Y.
fvSeufert Bros. Co., The Dalles, Ore.

fvSharon Center Canning Co., Sharon Center, O.
vSharp J. V. Canning Co., Williamstown, N. J.
vSharpsville Canning Co., Sharpsville, Ind.
vfbShaver J. W., Troutville, Va.
vShawano Canning Co., Shawano, Wis.
vSheldrake J. W., Harrington, Del.
fvShenandoah Packing Co., Starkey, Va.
vSheridan Packing & Mercantile Co., Sheridan, Ind.
vSheriff Preserve Co., 123 E Pearl, Cincinnati, O.
vSherman Preserving Co., Sherman, N. Y.
*vSherwood Canning Co., Sherwood, Md.
vShields L. H., English, Ind.
vfShimp E. Co., Hancock's Bridge, N. J.
vShimp & Harris, Canton, N. J.
vShowalter S. C. & Son, Troutville, Va.
vShowell Mfg. Co., Showell, Md.
vShriver B. F. Co., Westminster, Md.
vSilver C. B., Havre De Grace, Md.
vSilver Geo. O., Havre De Grace, Md.
vSilver W. F., Havre De Grace, Md.
vSimmons R. L. Co., Andrews, Md.
vSimpson Packing Co., Trappe, Md.
*Sinclair Island Canning Co., Urban, Wash.
vSink Wm Canning Co., Brandon, Wis.
vfSizer E. T., Buchanan, Va.
fSkagit Valley Fruit Growers' Ass'n., Burlington, Wash.
vSkillman A. A., Belcamp, Md.
vSlagel C. W. & Son, Davenport, Nebr.
*vfSlaight E. E. & Co., Seaford, Va.
vSlessman & Sons, Clyde, O.
vSmiley F. L. & Son, Roanoke, Va.
*Smiley J. L. & Co., Blaine, Wash.
*Smiley J. W. & Co., Buchanan, Va.
vSmith, Burkley & Billingslea, Taylors Bridge, Del.
vSmith C. C., Airville, Pa.
vfSmith Canning Co., 116 S Front, Phila., Pa.
vSmith F. I., Madison, Ind.
vSmith J. Colby & Son, Willow Grove, Del.
vfSmith J. T., Fawn Grove, Pa.
vfSmith-Yingling Co., Westminster, Md.
vfSmithfield's Pure Food Co., Clarkson, N. Y.
pSmucker J. M. (Apple Butter), Orrville, O.
vSnider T. A. Preserve Co. (Soups, Catsup, Chili Sauce, Pork & Beans), 168 N Michigan av, Chicago, Ill.
Snohomish Dairy Products Co., Snohomish, Wash.
*fvSnow Flake Canning Co., Brunswick, Me.
fbSodus Canning Co., Sodus, N. Y.
*Solomon Packing Co., North Cove, Wash.
vSomerset Packing Co., Upper Fairmount, Md.
Soper A. C. Co. (Catsup & Sauces), Farmingdale, N. J.
*South Coast Canning Co., Long Beach, Cal.
vSouth Jersey Canning Co., Pedricktown, N. J.
vSouth Lebanon Canning Co., South Lebanon, O.
fvbSouth Haven Preserving Co., South Haven, Mich.
fvSouthern California Canning Co., Ontario, Cal.
*Southern Oregon Co., Empire, Ore.
Southern Product Co. (Syrup), Seminary, Miss.
vSouthern Syrup Co. (Molasses & Syrups), Montgomery, Ala.
Spartanburg Canning & Preserving Co., Spartanburg, S. C.
vSpedden Packing Co., James, Md.
vSpence J. H., Smithville, Md.
pSpencer Wm. M. Sons Co. (Apple Butter), 324 E 2nd, Cincinnati, O.
vSpickard C. H. & Son, Blue Ridge Springs, Va.
vSpigle W. G., Troutville, Va.
*vSpindler V. G., Halethorpe, Md.
fvbSpringbrook Canning Co., Springbrook, Ore.
vSpring Valley Packing Co., Spring Valley, O.
fvSpringville Canning Co., Springville, N. Y.
fvSpringville Canning Co., Springville, Utah
*Stafford-Crandall Packing & Fishing Co., Wilmington, Cal.
fvStandard Canning Co., Noblesville, Ind.
Standard Refining Co. (Syrups & Molasses), 217 West, New York
pStandard Syrup Co. (Apple Butter, Molasses & Syrups), 1017 Chouteau, St. Louis, Mo.
vStanley C. C., Hollins, Va.
vfStanley H. A., Bedford, Va.
vStar Canning Co., Roy, Utah
vStathem-Cosier Co., Newport, N. J.
vbStaton-Moore Canning Co., Fruitland, Md.
vSteel W. B., Port Deposit, Md.
vSteinke E. H. Canning Co., Benton Harbor, Mich.
bfvStetson F. F. & Co., 325 San Fernando blvd, Los Angeles, Cal.
fvStetson & Ellison Co., Camden, Del.
vStevens C. S. & Son, Cedarville, N. J.
vStevens H. E., Nace, Va.
fvStevens J. E., Nace, Va.
vStevens T. D., Troutville, Va.
vStevens W. L. Inc., Cape May, N. J.
vStevens & Caskey, Hemlock, N. Y.
*bStewart A. L. & Sons, Cherryfield, Me.
vStewart J. Roland, Cambridge, Md.
vStittville Canning Co., Stittville, N. Y.
vfbStokely Bros. & Co. (Hominy), Newport, Tenn.
vStockham E. V., Perryman, Md.
vStocking Geo. E., Rochelle, Ill.
f*Stockton Canning Co., Stockton Springs, Me.
vStoops Packing Co., Van Wert, O.
vStoutamire P. W., Salem, Va.
Stoutrmire Geo. W., Roanoke, Va.
vStrasbaugh Henry P., Aberdeen, Md.
vStrickler Bros. Canning Co., Tippecanoe City, O.
vSudlersville Canning Co., Sudlersville, Md.
Sugar River Canning Co. (Milk), Waukesha, Wis.
Sullivan Condensed Milk Co., Sullivan, Wis.
vSummers C. G. & Co., Russell & Carey, Baltimore, Md.
vSummit Canning Co., Akron, Ind.
vSunbright Canning Co., Dickson, Tenn.
vfpSunlit Fruit Co., 112 Market, San Francisco, Cal.
fbSunnyvale Canneries, Sunnyvale, Cal.
vSun Prairie Canning Co., Sun Prairie, Wis.
bfSunset Canning Co., Pomona. Cal.
*Sunset Packing Co., West Pembroke, Me.
*Superior Trading Co., Seattle, Wash.
*Surf Packing Co., Aberdeen, Wash.
vSwaim C. W. Canning Co., Sabina, O.
vSwayzee Canning Co., Swayzee, Ind.
vSweet Thomas J. & Co. (Catsup), Albion, N. Y.
vSwing Bros., Ridgley, Md.
vSwing J. M. & Bro., Greensboro, Md.
mvSycamore Preserve Wks., Sycamore, Ill.
*Taft Fish Co., Taft, Va.
*Taku Canning & Cold Storage Co. Seattle, Wash.
vTalbot Packing & Preserving Co., Easton Md.
*Tallant-Grant Packing Co., Astoria, Ore
vfbTanner Bros. Co., Oakfield, N. Y.
vfTate C. L. & Co., Arnold, Md.
bTaylor Bros., La Grange, Ky.
fvTaylor Fruit & Canning Co., Lockport, N. Y.
bfpvTaylor J. E. & Co. (Olives), Santa Ana, Cal.
vTaylor J. W., Hallwood, Va.
vTaylorsville Mfg. Co., Taylorsville, Ky.
vTell City Canning Co., Tell City, Ind.
vTemin Wm. & Son, Hartley, Del.
vTempleman's Milling & Canning Co., Templeman Cross Roads, Va.
*Thlinket Packing Co., Yeon bldg., Portland, Ore.
vThomas Bros., Elliston, Va.
fvbThomas Canning Co., Grand Rapids, Mich.
fThomas G. H. & Co., Farmington Falls, Me.
vThomas S. C., Weems, Va.
fvThompson Bros., East Haddam, Conn.
fvThompson Bros., Cabool, Mo.
fvThompson Bros. Canning Co., Marshfield, Mo.
*vfbThorndike & Hix, Rockland, Me.
vThornton Bros. & Co., Springboro, Pa.
vThrasher R. H., Springwood, Va.
vTilghman Canning Co., Tilghman, Md.
*Tilghman Packing Co., Tilghman, Md.
vTipton Farmer Canning Co., Tipton, Ia.
vTomato Products Co., Paoli, Ind.
Torbitt & Castleman Co. (Molasses), Louisville, Ky.
vf*bTorsch Packing Co. (Hominy), Fort av, Clement & Lawrence, Baltimore, Md.
vTowers L. B. & Bro., Denton, Md.
vTowner Jay F. & Sons, Perryman, Md.
vTownsend J. G. & Co. Jr., Selbyville, Del.
vTownsend Jas. & Son, Masten, Del.
vTrappe Canning Co., Aberdeen, Md.
vfbTraver W. M. Co., Hartford, Mich.
vTravers J. R., Nanticoke, Md.
vTrevey Bros., Nace, Va.
vTripoli Canning Co., Tripoli, Ia.
bfvTrue L. P. & Co., Hope, Me.
vTuhey Canning Co., Muncie, Ind.
fTulare County Growers' Ass'n. (Olives), Porterville, Cal.
vTuttle & Co., McConnellsville, N. Y.
Twin Peaks Canning Co., Salt Lake City, Utah
*fbpvTwitchell-Champlin Co., Portland, Me.
vTyaskin Packing Co., Tyaskin, Md.
*Umpqua Co-operative Packing Co., Gardiner, Ore.
*mUnderwood W. Co., 52 Fulton, Boston, Mass.
vUnion City Canning Co. (Hominy), Union City, Tenn.
*Union Fishermen's Co-operative Packing Co., Astoria, Ore.
*Union Sardine Co., Lubec, Me.
United Canneries & Co. of California, 430 S B'way, Los Angeles, Cal.
vUrbana Canning Co., Urbana, O.
vUtah Canning Co. (Soups, Pork & Beans), Ogden, Utah
Utah Condensed Milk Co., Richmond, Utah
fvUtica Canning Co., Utica, N. Y.
vValders Canning Co., Valders, Wis.
Valecia Evaporated Milk Co., Madison, Wis.
bfvValley Canning Co., Newberg, Ore.
vValley Cash Canning Co., Montvale, Va.
vValley Packing Co., Lebanon, O.
v*Valliant W. H. & Bros., Bellevue, Md.
vVallonia Canning Co. (Hominy), Vallonia, Ind.
vVan Camp Geo. & Sons Co., Westfield, Ind.
vVan Camp Packing Co. (Milk, Soups & Hominy), Indianapolis, Ind.
*Van Camp Sea Food Co., San Pedro, Cal.
vVance F. W. Co. (Catsup & Chili Sauce), Columbia City, Ind.
fVarn & Platt Co., Savannah, Ga.
mVette & Zuncker, 220 N Green, Chicago, Ill.
vfbVictor Preserving Co., Victor, N. Y.
vVienna Canning Co., Vienna, Ind.
vVinton Canning Co., Vinton, Ia.
Voss H. F. Co., Inc. (Salad Oil, Catsup, etc.), 326 Park av, Brooklyn
vWabash Canning Co., Wabash, Ind.
vWaco Canning Co., Waco, Ky.
vWaddington & Holme, Naylors, Va.
vf*pbWagner M. Co., New Pier 2, Pratt, Baltimore, Md.
vWagoner J. (Pickles), 516 N 2nd, St. Louis, Mo.
vWaldo Canning Co., Waldo, Wis.
bfpWales Geo. E., Newton Center, Mass.
vWalker Bros., Aberdeen, Md.
vWarrenburg Canning Co., Warrenburg, Ill.
vWarren-Harshman Canning Co., Saratoga, Ind.
*Warren Packing Co., Yeon bldg., Portland, Ore.
*Warrenton Clam Co., Warrenton, Ore.
vWashburn Canning Co., Washburn, Mo.
vWaterford Canning Co., Waterford, Ky.
vWaterloo Canning Ass'n., Waterloo, Wis.
vWaterloo Canning Co., Waterloo, Ia.
vWatertown Canning Co., Watertown, Wis.
vWatkins Packing Co., Odessa, Del.
vWatson Bros Co., Greenwich, N. J.
vWaupun Canning Co., Waupun, Wis.
vWausau Canning Co., Wausau, Wis.
vfWayland Canning Co., Wayland, N. Y.
Wayne Canning Co., Wayne, Mich.
Wayne County Canning Co. Ltd., Marion, N. Y.
vWaynesville Canning Co., Waynesville, O.
fvWebb H. F. Co., Portland, Me.
vWebb W. H., Bloomingdale, Ind.
vWeber A. & Co., 1941 O'Fallon, St. Louis, Mo.
vWebster-Butterfield Co., 2219 Boston, Baltimore, Md.
vWebster C., East New Market, Md.
fvpbWebster Canning & Preserving Co., Webster, N. Y.
fvWebster County Canning Co., Marshfield, Mo.
vWebster Frederick L., Adams, N. Y.
fvWebster N., Cambridge, Md.
vWebster R., Hurlock, Md.
vWebster W. & Co., Vienna, Md.
vWeir Canning Co., Toledo, Ia.
fWelch Bros. Apple Co., Burlington, Vt.
bvWelch Mary E. & Co., Thaxton, Va.

CANNED GOODS—continued

vWeller J. Co. (Pickles), Oak Harbor, O.
vWest Bend Canning Co., West Bend, Wis.
m*West Coast Packing Co., Long Beach, Cal.
vWestmoreland Canning Co., Mount Holly, Va.
*vbWest River Canning Co., Galloways, Md.
vWest Salem Canning Co., West Salem, Wis.
bvfWexford Canning & Preserving Co., Wexford, Mich.
bWhitby C. H. & Son, Denton, Md.
fbvWhite Cloud Canning Co., White Cloud, Mich.
vWhite J. Cleveland & Co., Salisbury, Md.
vWhiteford J. S., Whiteford, Md.
vWhiteford W. S. & Sons, Whiteford, Md.
vWhitehead Fred H., Lincoln, Del.
fvWhitesburg Canning Co., Whitesburg Tenn.
*White Star Canning Co., San Pedro, Cal.
vWhitewater Canning Co., Whitewater, Wis.
vfWhitson C. P., Swannawoa, N. C.
vWhittington W. L. & Co., Hopewell, Md.
vWhittington W. R. & Sons, Marion Station, Md.
vWieneke-Hoerr Co., Dubuque, Ia.
vWigley H. C. & Bro., Millersville, Md.
Wildi John Evaporated Milk Co., Columbus, O.
vWilkinson G. A., Nottingham, Pa.
vWill & Sixbury, Cleveland, N. Y.
*Willapa Harbor Fish Co., South Bend, Wash.
fvbWillard Canning Co., Ogden, Utah
vWilliams B. S. & Son, Buchanan, Va.
pWilliams Bros. Co. (Pickles, Pork & Beans), Williams sq, Detroit, Mich.
*bWilliams G. N., Cutler, Me.
bvWilliams Milles & Bro., Fruit Dale, Ind.
vWilliamsburg Canning Co., Williamsburg, O.
vWilliamsburg Packing Co., Williamsburg, Md.
vWilliamson H. M., Nace, Va.
vWilliamson J. A. & Co., Springwood, Va.
fvWilliamsport Canning Co., Williamsport, Ind.
vWilling J. W. & Son, Nanticoke, Md.
fvWills F. A. & C. C., Troutville, Va.
fvWillson A. H., Vineland, N. J.
vWilson A. H., Aberdeen, Md.
vWilson Canning Co., Hebron, Md.
vfbWilson Canning Co., Mexico, N. Y.
vWilson Jas. T. & Co., Delmar, Del.
fvWilson & Co., Union Stock Yards, Chicago, Ill.
vWilson & Merrick, Ingleside, Md.
vWinans Fruit & Canning Co., Diggins, Mo.
bfWindholz Chas. A., Syracuse, N. Y.
vWindsor Cove Packing Co., Jesterville, Md.
vWindy Hill Packing Co., Easton, Md.
vfWinebrenner D. E. Co., Hanover, Pa.
vbWinorr Canning Co., Circleville, O.
vfWinters Canning Co. (Olives), Winters, Cal.
vWinters & Prophet Canning Co., Mount Morris, N. Y.
vWinthrop Canning Co., Winthrop, Minn.
Wisconsin Butter & Cheese Co. (Milk), Waukesha, Wis.
vWisconsin Canning Co., Winneconne, Wis.
Wisconsin Condensed Milk Co., Burlington, Wis.
vWisconsin Pea Canners Co., Manitowoc, Wis.
bfWoldert Alex. Co. (Peanut Butter), Tyler, Texas
vfpbWomack A. L. Co. (Hominy), Bristol, Tenn.
vWood N. A., Troutville, Va.
vWoods Cross Canning Co., Woods Cross, Utah
vWoodsboro Canning Co., Woodsboro, Md.
vfWool F. G. Packing Co., San Jose, Cal.
fvWoolford Packing Co., Washington & Aliceanna, Baltimore, Md.
vpWooster Preserving Co. (Pickles & Catsup), Wooster, O.
Workman Packing Co. (Soups, Chili Sauce, Pork & Beans), 432 7th, San Francisco, Cal.
vWood W. G. & Sons, Roanoke, Va.
vWright Canning Co., Aberdeen, Md.
vWright F., Federalsburg, Md.
vWright O. H., Vinton, Va.
vWright W. J. & Son, Choptank, Md.
vfbWright-Whittier Co., Ogden, Utah
vWright & Saunders, Bedford, Va.
vWrightson C. T., Easton, Md.
*Wyman Canning Co., Millbridge, Me.
*bWyman J. & Son, Millbridge, Me.
vWyoming Canning & Preserving Co., Wyoming, N. Y.
vYeager & Halstead, Cortland, N. Y.
fvYale Canning Co., Yale, Mich.
vfbYates County Canning Co., Penn Yan, N. Y.
vYellow Springs Canning Co., Yellow Springs, O.
fvYingling Jos. P., Pleasant Valley, Md.
vZacheis W. B. & J. S., Port Penn, Del.
vZiegler Canning & Preserving Co., Muscatine, Ia.
vZimmerman Bros., Bedford, Va.

## 1829a— *Canning Apparatus

Elyria Enameled Products Co. (Glass Enameled), Elyria, O.

## 1830— Cannons (Yacht)

**American & British Mfg. Co., Charles, Providence, R. I.**
Brown R. H. & Co., New Haven, Conn.
Kahnweiler's David Sons ("Lyle"), 260 Front, New York

## 1831— Canoes

See also Motor Boat, Launch & Yacht Builders

Carleton Canoe Co. (Birch Bark, Canvas Covered), Old Town, Me.
Detroit Boat Co. (Cedar & Canvas) (Kerchol & Connors Cr.), Detroit, Mich.
Mullins Body Corp., 341 Franklin, Salem, O.
Old Town Canoe Co., Old Town, Me.
Racine Boat Co. (Sailing, Paddling), Racine, Wis.
Rushton Sidney P. ("Indian Girl," Sailing, Paddling), Canton, N. Y.
Skaneateles Boat & Canoe Co. (Sailing, Paddling), Skaneateles, N. Y.
White E. M. & Co. ("White" Canvas Covered Canoes, Paddles, etc.), Old Town, Me.

## Canopies (Iron & Bronze)

See Marquees; also Awnings, Corrugated Steel

## 1832—Canopies (Lawn or Umbrella Tents)

Aronoff Joseph J., Trenton, N. J.
Troy Carriage Sun Shade Co. ("Trojan"), Troy, O.

## 1833-4-5—Cans (Ash & Garbage)

Abbott Hardware Co. ("Oregon"), 686 Columbus av, New York
**AMERICAN CAN CO.** ("Canco"), 120 Broadway, New York
*See adv index at end of book*
Atlantic Stamping Co. (Garbage only), 156 Ames, Rochester, N. Y.
Automatic Lock Cover Corp. (Sanitary Garbage), 48 E 12th, New York
Barschl Harry, 209 E 144th, New York
Berglund Chas. & Son, 236 E 47th, New York
Bicalky Fan Co., Buffalo, N. Y.
Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Brooklyn Ash Can Mfg. Co., 2196 Fulton, Brooklyn, N. Y.
Brown Stamping Co., Toledo, O.
Buhl Stamping Co., Scotten & M. C. RR., Detroit, Mich.
Bushnell Tank Works, Bushnell, Ill.
Butler Mfg. Co., 900 6th av, S. E. Minneapolis, Minn.
Carman Mfg. Co., Columbus, Ohio
Central Stamping Co. ("Puritan," "Giant," "Monitor," "Central"), 174 Fulton, New York
Cincinnati Galvanizing Co. ("King" Corrugated), McMicken av & Tafel, Cincinnati, O.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Crunden Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Dairymen's Mfg. Co., Bay, Jersey City, N. J.
Decatur Cornice & Rfg. Co., New Decatur, Ala.
De Zouche, Hanson & Co., 14 N 5th, Phila., Pa.
Diener Geo. W. Mfg. Co. ("Peerless"), 400 Monticello av, Chicago, Ill.
Dover Stamping & Mfg. Co. ("Dover" Galvanized Steel, also with Safety Coal Sieve), Cambridge, Mass.
Ely & Williams Co., 257 B'way, New York
Empire Tin Ware Co. (Ash), 29 So 5th, Brooklyn, N. Y.
Federal Enam. & Stamping Co., Thompson & Chartiers, Pittsburgh, Pa.
Federal Stamping Co. ("Federal" Dustless Ash Sifters), Holland, Mich.
Fleck M., 338 E 124th, New York
Gem Stamped Steel Co., Chelsea, Mass.
Geuder, Paeschke & Frey Co. ("Cream City"), 1314-1700 St. Paul av, Milwaukee, Wis.
Guarantee Ash Can Co., 203 E 101st, New York
Henning Bros., 3924 Indiana av, Chicago, Ill.
Hennessy Dennis, Syracuse, N. Y.
Hill James Mfg. Co., 52 Westfield, Providence, R. I.
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Hygeia Can Co. (Garbage), 25 Elm, New York
Indestructible Ash Can Co., 495 Broome, New York
Justrite Mfg. Co. ("Justrite" Sanitary) 2061 Southport av, Chicago, Ill.
Kaiser Mfg. Co., 245 Pearl, New York
Kelly Foundry & Machine Co., Goshen, Ind.
Klauer Mfg. Co., Dubuque, Ia.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Kraft, A. C., 323 W. Lake, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lawson F. H. Co., Cincinnati, O.
Lisk Mfg. Co. (Garbage only, "Lisk" Aluminum Galvanized), Canandaigua, N. Y.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Lock-Tite Mfg. Co., Battle Creek, Mich.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
Mager & Newman Tinware Co., Monroe, New York
National Can Co., 36 Washington, North Boston, Mass.
National Enameling & Stamping Co., 411 5th av, New York
New England Enameling Co., Middletown, Conn.
New York Standard Ash Can Mfg. Co., 60 Dobbin, New York
North Star Ash Can Co. (Engineers' Steel), 167 Chrystie, New York
Ohio Galvanizing Mfg. Co. (Heavy), Niles, O.
Pressed Steel Tank Co. (Seamless Pressed Steel), 58th & Greenfield av, Milwaukee, Wis.
Republic Metalware Co. (The) ("Remco"), Buffalo, N. Y.

When writing to firms whose names appear in this book please mention HENDRICKS' COMMERCIAL REGISTER.

# TIN CANS—TIN AND FIBRE CANS
## TIN AND GALVANIZED WARE
### OF ALL KINDS FOR ALL PURPOSES

We are the largest manufacturers of sheet metal containers in America, operating more than 50 factories in the United States and Canada. Our variety is the broadest and our output the largest

**Fruit and Vegetable Cans.** **Meat, Lard and Fish Cans.**
**Tea, Coffee, Spice, Baking Powder, Cocoa Cans.**
**Syrup, Oil, Ink, Polish, Paint, Varnish Cans.**
**Cans for Medicinal and Toilet Preparations.**
**Shipping Cans, Tanks, Etc., Etc.**

**PLAIN OR DECORATED**

## AMERICAN CAN COMPANY

SAN FRANCISCO CHICAGO NEW YORK PORTLAND, ORE. MONTREAL

SEE LIST OF OTHER BRANCH OFFICES IN ADVERTISERS' INDEX AT END OF BOOK


**ROCHESTER CAN CO.** ("Iron Horse" Rubbish), Rochester, N. Y.
*See adv index at end of book*
Schuler Chas. & Co., 15 Stuyvesant, New York
Schwarz L. I., 357 W B'way, New York
Sexton Can Co., 123 Broad, Boston, Mass.
Sharp Rotary Ash Receiver Co., Binghamton, N. Y.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Solar Metal Products Co., Columbus, O.
Standard Mfg. Co., Corning, N. Y.
Standard Mfg. Co., 41 Cortlandt, New York
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Steel Basket Co., Cedar Rapids, Ia.
Stephenson C. H. ("Stephenson" Spiral Truss Ribbed), Lynn, Mass.
Success Mfg. Co. ("Success"), Gloucester, Mass.
Vernier Mfg. Co., Cedar Rapids, Ia.
Western Tin & Japan Mfg. Co., 1013 Walnut, Cincinnati, O.
Whitaker-Glessner Co., Wheeling Corrugating Dept. (Galvanized), Wheeling, W. Va.
Witt Cornice Co. (Corrugated), 2118 Winchell av, Cincinnati, O.
Woolwine Metal Products, 2421 E 8th, Los Angeles, Cal.
Wotherspoon Jas. R., 238 N Front, Phila., Pa.

### Cans (Benzine)
See Cans, Non-explosive

### 1836— Cans (Candy)
**FIDELITY CAN CO.,** 600-610 S Caroline, Baltimore, Md.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.

### 1836a— Cans (Cigar, Tin)
See also Boxes, Tin, Cigar
Cadillac Can Co., 835 W 6th, Cincinnati, O.
**FIDELITY CAN CO.,** 600-610 S Caroline, Baltimore, Md.

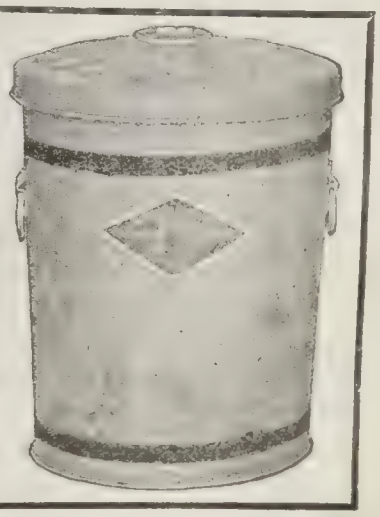
### 1837— Cans (Coffee, Spice, Etc.)
Columbia Can Co., Madison, 1st to 2d, St. Louis, Mo.

## IRON HORSE METALWARE
*"As Strong as the Name Implies"*

**Quality - Strength - Durability**

ASH, GARBAGE, RUBBISH AND OILY WASTE CANS—WATER, DAIRY, FIRE AND COMMODE PAILS, WASH BOILERS, WASHTUBS, BASKETS, ASH SIFTERS, ETC.

## ROCHESTER CAN CO.
89 Hague Street Rochester, N. Y.



CANS (COFFEE, SPICE, ETC.)—cont.

**FIDELITY CAN CO.,** 600-610 S Caroline, Baltimore, Md.
Johnson-Morse Can Co. (Coffee), Wheeling, W. Va.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
National Can Co., Detroit, Mich.
St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo.
Wheeling Can Co. (Coffee), Wheeling, W. Va.

### 1838— Cans (Comber)

Hill James Mfg. Co. (Galvanized Iron), 52 Westfield, Providence, R. I.

### Cans (Condensed Milk)

See Cans, Tin

### 1839-40— Cans (Cordage)

Standard Fibre Co., Miller, Somerville, Mass.

### 1841-2— Cans (Decorated)

See also Boxes & Cans, Litho. Metal

**AMERICAN CAN CO.,** 120 Broadway, New York. *See adv index at end of book*
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Myers Elwood Co., Springfield, O.

### 1843— Cans (Faucet)

Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Sexton Can Co. ("Hub," "Jacket," "Puritan," "Orient"), 123 Broad, Boston, Mass.
Stuart & Peterson Co. (Porcelain Lined), Burlington, N. J.

### 1844— Cans (Fibre)

See also Cans, Paper

**AMERICAN CAN CO.,** 120 Broadway, New York. *See adv index at end of book*
Canister Co. of New Jersey (Tin Top & Bottom), Phillipsburg, N. J.
Detroit Can Co., 1460 Russell, Detroit, Mich.
Detroit Paper Tube & Can Co., Ltd. (Tin Ends), 26 Griswold, Detroit, Mich.
Miller Fibre Products Co., 33 W Kinzie, Chicago, Ill.
Moisture Proof Fibre Can Co., Dixon & River Rouge, Detroit, Mich.
National Fibre & Insulation Co., Yorklyn, Del.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
St. Louis Paper Can & Tube Corp'n, St. Louis, Mo.
Standard Fibre Co., Miller, Somerville, Mass.

### 1844a—Cans (For Hand Soap)

**FIDELITY CAN CO.,** 600-610 S Caroline, Baltimore, Md.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
*See adv index at end of book*

### 1844b— Cans (Friction Top)

Continental Can Co., Syracuse, N. Y.
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Johnson-Morse Can Co., off. 480 E Wheeling, W. Va.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
*See adv index at end of book*
U. S. Can Co., Norwood, Cincinnati, O.
Wheeling Can Co., Wheeling, W. Va.

### Cans (Garbage)

See Cans, Ash & Garbage.

### Cans (Gasoline)

See Cans, Oil & Gasoline

### 1845— Cans (Gill Box)

Hill James Mfg. Co. ("I. X. X. X." Tin), 52 Westfield, Providence, R. I.
National Fibre & Insulation Co., Yorklyn, Del.
Standard Fibre Co., Miller, Somerville, Mass.

### 1846— Cans (Gun Powder)

Peoria Can Co., Peoria, Ill.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

### 1847— Cans (Ice)

Brunswick Refrigerating Co., New Brunswick, N. J.
Fouts C. C. Co., 650 Woodlawn av, Middletown, O.
Great Lakes Engineering Works, Real Estate Exchange bldg., Detroit, Mich.
Kiechler Mfg. Co., Wade & Denman, Cincinnati, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
North Star Ash Can Co., 167 Chrystie, New York
Ohio Galvanizing & Mfg. Co., Niles, O.
Ruemmell-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Vogt Henry Machine Co., Inc., Louisville, Ky.
Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.

### 1848— Cans (Ice Cream)

Blanke Mfg. & Supply Co., 3d & Washington av, St. Louis, Mo.
Bray & Kates Co., Arlington Heights, Ill.
Buhl Stamping Co., Scotten & M. C. RR., Detroit, Mich.
Davis-Watkins Dairymen's Mfg. Co. ("Sanitary"), Jersey City, N. J.
Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
Getz, M. & Co., 162 First, San Francisco, Cal.
Keiner-Williams Stamping Co., Richmond Hill, N. Y.
Maag August Co., 509 W Lombard, Baltimore, Md.
North Star Ash Can Co., 167 Chrystie, New York
Rice & Adams, Buffalo, N. Y.
Solar Metal Products Co., Columbus, O.
Stuart & Peterson Co. (Porcelain Lined), Burlington, N. J.
Sturges & Burn Mfg. Co., 838 W Congress, Chicago, Ill.
White Mountain Freezer Co., Nashua, N. H.
Wright R. G. & Co., Buffalo, N. Y.

### 1848a— Cans (Ink)

Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*

### 1849— *Cans (Jacket)

See also Cans, Shipping

**AMERICAN CAN CO.,** 120 Broadway, New York. *See adv index at end of book*

### 1850-1— Cans (Key)

American Key Can Co., 140 S Dearborn, Chicago, Ill.

### Cans (Lithographed)

See Boxes & Cans, Litho Metal

### 1852— Cans (Maple Syrup)

Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Franklinville Canning Co., Franklinville, N. Y.
Grimm G. H. ("Grimm"), Rutland, Vt.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.

### 1853—Cans (Medicinal & Toilet Preparation)

**AMERICAN CAN CO.,** 120 Broadway, New York. *See adv index at end of book*
Fidelity Can Co. (Tin), 600-610 S Caroline, Baltimore, Md.
Metal Package Corp. of N. Y., 346 Carroll, Brooklyn, N. Y.
St. Louis Paper Can & Tube Corp'n (Fibre), St. Louis, Mo.

### 1854— Cans (Milk)

Arwe Carl H. Mfg. Co., 1348-52 De Kalb av., Brooklyn, N. Y.
Blanke Mfg. & Supply Co., 3d & Washington av, St. Louis, Mo.
Bray & Kates Co., Arlington Heights, Ill.
Brown Stamping Co., Toledo, O.
Buckeye Aluminum Co. ("Real Solid" Aluminum with Ball or Handle), Wooster, O.
Buhl Stamping Co., Scotten & M. C. RR., Detroit, Mich.
Central Stamping Co. ("Puritan," Cans & Kettles), 172 Fulton, New York
Colonial Can Co., 120 Milk, Boston, Mass.
Davis-Watkins Dairymen's Mfg. Co. ("Sanitary"), Jersey City, N. J.
Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Keiner-Williams Stamping Co., Richmond Hill, N. Y.
Lalance & Grosjean Mfg. Co., 299 B'way, N. Y.
Lisk Mfg. Co ("Lisk" Tin and Enamel), Canandaigua, N. Y.
Mountain City Stove & Mfg. Co., Chattanooga, Tenn.
National Enameling & Stamping Co., 411 5th av, New York
Oakes & Burger Co. ("Royal Dane," "Empire State" & "Union" Canadian or Western Pattern), Cattaraugus, N. Y.
Schlueter Mfg. Co., B'way & John av, St. Louis, Mo.
Sharlow Bros. Co., 442 W 42d, New York
Solar Metal Products Co., Columbus, O.
Sturges & Burn Mfg. Co., 838 W Congress, Chicago, Ill.

### 1855— Cans (Milk Shipping)

Oakes & Burger Co. ("Royal Dane"), Cattaraugus, N. Y.

### 1856— Cans (Miners' Oil)

**GEM MFG. CO.** (Brazed Steel), Goebel, nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Kraft, A. C., 923 W Lake, Chicago, Ill.
St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo.

### 1857— Cans (Non-Explosive)

Brown Stamping Co., Toledo, O.
Cal. Fire Proof Door Co. (Underwriters) ("Wilcox"), 1931 S Los Angeles, Los Angeles, Cal.
Diener Geo. W. Mfg. Co., 400 Monticello av, Chicago, Ill.
Golding Mfg. Co., Franklin, Mass.
**HARKER MFG. CO.** ("Queen"), 121-129 W 3d, Cincinnati, O.
*See adv index at end of book*

SAFETY CANS
Gasoline and Oily Waste
Queen Brand
HARKER MFG. CO.
CINCINNATI, O.

Justrite Mfg. Co., 2061 Southport av Chicago, Ill.
McNutt Can Sales Co. Inc. ("McNutt"), 8 Chambers, New York
Non-Explosive Can Co., 127 S Green, Chicago, Ill.
Safety Fire Extinguisher Co., 295 7th av New York. *See adv index at end of book*
Sexton Can Co. ("Sexton's" safety for printers, etc.), 123 Broad, Boston Mass.

### 1858— Cans (Oil Pump)

Chapin R. E. Mfg. Works, Batavia, N. Y
Cincinnati Can Co., 426 Culvert, Cincinnati, O.

Delphos Mfg. Co., First & Pierce, Delphos, O.
Lisk Mfg. Co., Canandaigua, N. Y.
National Enameling & Stamping Co., 411 5th av, New York

## 1859-60-1—Cans (Oil & Gasoline)

For Engineer's Oil Cans, See Oilers

**AMERICAN CAN CO.**, 120 Broadway, New York. *See adv index at end of book*
Atlantic Stamping Co. ("Atlantic," 1 to 5 gallons, Spout Faucet, etc, for Kerosene & Gasoline), 156-180 Ames, Rochester, N. Y.
Beman Automatic Oil Can Co. ("Beman" Delivery), Box 375, Meadville, Pa.
Blanke W. F. Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Boggs Auto Supply Co. ("Kup-Kan"), Ft. Dodge, Ia.
Boyle Mfg. Co., 5100 Santa Fe av, Los Angeles, Cal.
Brown Stamping Co., Toledo, O.
Bumann Mfg. Co. ("Easy Flow"), Litchfield, Ill.
Cannon Oiler Co. (Successor to R. E. Bloomer), Keithsburg, Ill
Central Stamping Co. ("Puritan," Screw Top, etc), 174 Fulton, New York
Chapin R. E. Mfg. Works (Galvanized Household), Batavia, N. Y.
Cincinnati Can Co., 426 Culvert, Cincinnati, O.
Colonial Can Co., 120 Milk, Boston, Mass.
Conneaut Can Co. ("Red Hoop"), Conneaut, O.
Continental Can Co., Syracuse, N. Y.
Crunden Martin Mfg. Co. (Galvanized), 2nd & Gratiot, St. Louis, Mo.
Delphos Mfg. Co. ("Never Leak" & "Legal" Spout & Auto Funnel Cans), 1st & Pierce, Delphos, O.
Deverall Perfection Mfg. Co. ("Deverall"), Caton av, Brooklyn, N. Y.
Diener Geo. W. Mfg. Co. ("Protection," Non-Explosive), 400 Monticello av, Chicago, Ill.
Dover Stamping & Mfg. Co. ("Acme," Family & "Dover," Auto, etc), Cambridge, Mass.
Dressel Railway Lamp Works (Steel for Engineers, etc), 3860 Park av, New York
Dunlap John Co. (Galvanized), Carnegie, Pa.
Eagle Mfg. Co. (Copper, Brass & Steel), Wellsburg, W. Va.
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
**GEM MFG. CO.** ("Gem" Heavy Brazed Steel Oil Carriers), Goebel, nr Fulton, N. S. Pittsburgh, Pa.
*See adv index at end of book*

CANS (OIL) "GEM"
GEM GUARANTEE GOOD
Heavy Welded Steel Oil Carriers.
GEM MFG. CO., Pittsburgh, Pa.

Gem Stamped Steel Co., Chelsea, Mass.
General Phonograph Corp. ("One Drop"), 25 W 45th, New York
Geuder, Paeschke & Frey Co. ("Cream City," Anti-Leak, Galvanized), 1314-1700 St. Paul av, Milwaukee, Wis.
Grammes L. F. & Sons (Safety), Allentown, Pa.
*See adv index at end of book*
Gray Peter & Sons, Inc. (Oil for Railroad Use, etc), 286 Third, East Cambridge, Mass.
Handlan-Buck Mfg. Co. (Railway, etc), 210-14 N. 3rd, St. Louis, Mo.
Harps J. A. Mfg. Co. ("Never Fail," for Oil or Gasoline, for Household Use), Greenfield, O.
Holzer R. G. (Est of), 317 Burgundy, New Orleans, La.
Hunt & Dorman Mfg. Co., 1600 E 24th, Cleveland, O.
Impervious Package Co. (Wood), Keene, N. H.
Jackson J. W., Sharpsville, Pa.
Johnson Mfg. Co., Urbana, O.
Kiechler Mfg. Co., Wade & Denman, Cincinnati, O.
Knapp Mfg. & Supply Co. (Oil Carriers), 241 Water, New York
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Kraft A. C., 323 W. Lake, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
**LIDSEEN, GUSTAVE** (Force Feed), 832-840 S Central av, Chicago, Ill.
*See adv index at end of book*
Lisk Mfg. Co. ("Lisk" Spout or Faucet etc), Canandaigua, N. Y.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
*See adv index at end of book*
Ludlow Mfg. Co., Ludlow, Ky.
McLaughlin Co. Inc., Brookport, N. Y.
Manufacturers Can Co., Harrison, N. J.
National Can Co. (For Castor, Olive & Essential Oils), Detroit, Mich.
National Enameling & Stamping Co. ("Superior," Screw Cap, Spout, Plain, etc), 411 5th av, New York
National Marine Lamp Co., Forestville, Conn.
Noera Mfg. Co. ("Noera"), Waterbury, Conn.
Northwestern Stamping Co., Burlington, Ia.
Republic Metalware Co., The, Buffalo, N. Y.
Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*
Rochester Stamping Co., Rochester, N. Y.
Rockford Brass Works, Rockford, Ill.
Roseland Can & Specialty Co. (Plain Tank for Oil & Gasoline), Rockford, Ill.
St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.
St. Louis Tin & Sheet Metal Working Co (Plain & Ornamental), St. Louis, Mo.
Schlueter Mfg. Co., B'way & John av, St. Louis, Mo.
Sexton Can Co. ("Sexton's" Spout & Screw Cap, etc.), 123 Broad, Boston, Mass.
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Trethaway Bros. (Tin & Galvanized), Parsons, Pa.
Tongue R. E. & Bros. Co., Allegheny av & Amber, Phila., Pa.
Troy Stamping Works, Troy, N. Y.
Union Furnace Mfg. Co., Union Furnace, Pa.
Walters Mfg Co., Fulton bldg, Pittsburgh, Pa.
Whitaker-Glessner Co., Wheeling Corrugating Dept. ("Crescent," "Wheeling," "Virginia," "No-Drip," Galv., with Sprouts or Faucets), Wheeling, W. Va.
Winfield Mfg. Co., Warren, O.

## 1862— Cans (Packers', Etc.)

**AMERICAN CAN CO.**, 120 Broadway, New York. *See adv index at end of book*
Atlantic Can Co., 2108-26 Boston, Baltimore, Md.
Boyer W. W. & Co., 2327 Boston, Baltimore, Md.
Boyle Can Co., Wolfe & Thames, Baltimore, Md.
Columbia Specialty Co. (Plain & Decorated), 1508 E Fayette, Baltimore, Md.
Continental Can Co., Syracuse, N. Y.
**FIDELITY CAN CO.**, 600-610 S Caroline, Baltimore, Md.
Heekin Can Co. (Lard), 6th, New & Culvert, Cincinnati, O.
Johnson-Morse Can Co. (Lithographed & Plain, Lard, Sanitary, etc), Wheeling, W. Va.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
*See adv index at end of book*
National Enameling & Stamping Co., 411 5th av, New York
National Can Co., 121 N Caroline, Baltimore, Md.
Peoria Can Co. (Sanitary, Self-Sealing), Peoria, Ill
Phelps Can Co. (Cap Hole & Vent Hole Style), Key Highway & Lawrence, Baltimore, Md.
Porter C. B. Co., 128 N 2nd, Phila., Pa.
St. Louis Paper Can & Tube Corporation (Fibre), St. Louis, Mo.
Sanitary Can Co. (Enamel Lined, Plain, etc), 120 B'way, New York
Southern Can Co., 717 S Wolfe, Baltimore, Md.
Tyler Can Co., 1409 Eastern av, Baltimore, Md.
United States Can Co. ("Standard" Solder Hemmed, Sanitary Friction Top & Wax Top), Norwood, Cincinnati, O.
Virginia Can Co. (Lock Seam), Buchanan, Va.
Warren J. M. & Co., Troy, N. Y.
Wheeling Can Co. (Sanitary), Wheeling, W. Va.

## 1863—Cans (Paint & Varnish)

**AMERICAN CAN CO.**, 120 Broadway, New York. *See adv index at end of book*
Conneaut Can Co., Conneaut, O.
Continental Can Co., Syracuse, N. Y.
Dunlap Jno. Co., Carnegie, Pa.
Empire Tin Ware Co. (Paint), 29 So 5th, Brooklyn, N. Y.
**FIDELITY CAN CO.**, 600-610 S Caroline, Baltimore, Md.
Heekin Can Co., 6th, New & Culvert, Cincinnati, O.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
*See adv index at end of book*
Manufacturers' Can Co. ("Peerless," "Tip-Top"), Harrison, N. J.
National Can Co., Detroit, Mich.
New Can Co. (Patent Self-Closing), 326 A, Boston, Mass.
Peoria Can Co. (Self-Sealing), Peoria, Ill.

## 1864— Cans (Paper)

See also Tubes, Mailing

**AMERICAN CAN CO.**, 120 Broadway, New York. *See adv index at end of book*
Bennett Paper Can & Tube Co., 271 10th, San Francisco, Cal.
Chicago Mailing Tube Co., 425 S Hoyne av, Chicago, Ill.
Chicago Paper Tube & Can Co., 168 N May, Chicago, Ill.
Detroit Paper Tube & Can Co., Ltd., 36 Griswold, Detroit, Mich.
Empire Paper Tube & Box Co., 155 Bank, New York
Improved Mailing Case Co., 309 B'way, New York
**RITCHIE W. C. & CO.**, 400 S Green, Chicago, Ill.
St. Louis Paper Can & Tube Corporation, St. Louis, Mo.
St. Louis Tissue & Mfg. Co., 3417 Chouteau av, St. Louis, Mo.
Seeley Tube & Box Co., 344 Central av, Newark, N. J.
Union Paper Co., 844 Washington, New York

## 1865— Cans (Park Waste)

Steel Basket Co., Cedar Rapids, Ia.
Stephenson C. H. ("Stephenson"), Lynn, Mass.

## 1866— Cans (Plain & Lithographic)

**BERTELS W. B. & SON CO., INC.** (Special Designs, all kinds), Wilkes-Barre, Pa.
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
**St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo.**

## Cans (Pump)

See Cans, Oil Pump

## 1867—Cans (Refuse, Street & Park)

Majestic Co., Huntington, Ind.
Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*

## 1868— Cans (Roving)

American Vulcanized Fibre Co. ("Laminar" Fibre & "Sullivan" Seamless Manila Fibre), 504 Equitable bldg, Wilmington, Del.
Diamond State Fibre Co. ("Diamond Fibre," Seamless Manilla Fibre), Bridgeport, Pa.
Gem Stamped Steel Co., Chelsea, Mass.
Hill Jas. Mfg. Co. ("Vulcan" & "Hercules" Fibre & "Hill I.X.X.X." Tin), 51 Westfield, Providence, R. I.
National Fibre & Insulation Co., Yorklyn, Del.
N. E. Ventilating & Heating Co., 926 Manton av, Providence, R. I.

CANS (ROVING)—continued

**ROGERS FIBRE CO.** ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
**Spaulding J. & Sons Co. (Seamless Hard Fibre), North Rochester, N. H.**
*See adv index at end of book*
**Standard Fibre Co. ("No Waste" Seamless Hard Fibre), Miller st, Somerville, Mass.**

## 1869— Cans (Rubbish)

**ROCHESTER CAN CO.** ("Iron Horse"; also Street Rubbish, Galvanized), Rochester, N. Y.
*See adv index at end of book*

## Cans (Safety, Oil & Benzine)

See Cans, Non-Explosive

## 1870-1—Cans (Self-Sealing)

**AMERICAN CAN CO.**, 120 Broadway, New York. *See adv index at end of book*
Columbia Can Co., Madison, 1st to 2d, St. Louis, Mo.
National Can Co., Detroit, Mich.
New Can Co., 326A, Boston, Mass.
Peoria Can Co. (Fruit), Peoria, Ill.
St. Louis Paper Can & Tube Corporation (Fibre), St. Louis, Mo.

## 1872—Cans (Shipping, Wood Jacket)

**AMERICAN CAN CO.**, 120 Broadway, New York. *See adv index at end of book*
Chapin R. E. Mfg. Works: Batavia, N. Y.
Columbia Can Co., Madison, 1st to 2d, St. Louis, Mo.
Conneaut Can Co. ("Red Hoof"), Conneaut, O.
Continental Can Co., Syracuse, N. Y.
National Can Co., 36 Washington No, Boston, Mass.
National Can Co. (Boxed), Detroit, Mich.
New Can Co. (Patent Self-Closing), 326A, Boston, Mass.
Roseland Can & Specialty Co. ("Reliable"), Rockford, Ill.
Sexton Can Co. ("Sexton's," also Boxed), 123 Broad, Boston, Mass.

## 1873— Cans (Spray)

Dobson Wm., Canastota, N. Y.

## 1874—Cans (Street Cleaning)

**AMERICAN CAN CO.**, 120 Broadway, New York. *See adv index at end of book*
Central Stamping Co., 172 Fulton, New York
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Ohio Galvanizing & Mfg. Co. (Sheet Steel), Niles, O.
Peoria Can Co., Peoria, Ill.
Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (Galvanized), Wheeling, W. Va.

## 1875— Cans (Tin)

(Lard, Grease, Paint, Varnish, Dry, Groceries, etc.)
See also Cans, Various Kinds, in index of Contents
See also Boxes & Cans, Litho Metal
**AMERICAN CAN CO.** (For all known purposes), 120 B'way, New York
*See adv index at end of book*
American Stopper Co., 19 Verona, Brooklyn, N. Y.
Atlantic Can Co. (Packers' Only), 2108-26 Boston, Baltimore, Md.
Batavia Specialty Co. (Seamless), Batavia, N. Y.
Bennett E. W. & Co., 2000 16th av, San Francisco, Cal.
*See adv index at end of book*
Blanke W. F. Can & Mfg. Co., 116 Pine St. Louis. Mo.
Boyle Can Co., Wolfe & Thames, Baltimore, Md.
Bray & Kates Co. (Creamery), Arlington Heights, Ill.
Bredhoff & Grimley, 344 Front, San Francisco, Cal.
Brown Stamping Co., Toledo, O.
Buhl Stamping Co., Scotten & M. C. RR., Detroit, Mich.
Burns Jno. & Son, 19 Fulton, New York
Burrows Metal Mfg. Co. (Plain & Decorated), 521 W 23rd, New York
Cadillac Can Co., 835 W 6th, Cincinnati, O.
Canister Co. of New Jersey, Phillipsburg, N. J.
Canton Art Metal Co., Canton, O.
Chapin R. E. Mfg. Works: Batavia, N. Y.
Clark Geo. W., 252 Water, New York.
Clark J. L. Mfg. Co. (Plain & Lithographed Druggists, etc.), Rockford, Ill.
Clines L. Mfg. Co., 1239 S Wabash av, Chicago, Ill.
Coast Metal Works, 1255 Harrison, San Francisco, Cal.
Colonial Can Co., 120 Milk, Boston, Mass.
Columbia Can Co., Madison, 1st to 2d, St. Louis, Mo.
Columbia Specialty Co., 1508 E Fayette, Baltimore, Md.
Conneaut Can Co. ("Red Hoop"), Conneaut, O.
Continental Can Co. (Fruit & Vegetable), Syracuse, N. Y.
Cream City Can Works, 241 Oregon, Milwaukee, Wis.
Delphos Mfg. Co. ("Lilac Oil"), 1st & Pierce, Delphos, O.
Eastern Shore Can Co., Hurlock, Md.
Fallis Edwin Canning Co., Lowell, Mich.
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Fischer Can Co., Hamilton, O.
Franklinville Canning Co., Franklinville, N. Y.
Gordon-Lawless Co., Omaha, Neb.
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Heekin Can Co. (Baking Powder, etc), 6th, New & Culvert, Cincinnati, O.
Hill Jas. Mfg. Co., 52 Westfield, Providence, R. I.
Impervious Package Co., Keene, N. H.
Inglis Mfg. Co., 283 5th av, Milwaukee, Wis.
Johnson-Morse Can Co. (Lard, Coffee, Honey, etc., Plain and Lithographed), Wheeling, W. Va.
Kaiser Geo. J., 194 Duane, New York
Kiechler Mfg. Co., Wade & Denman, Cincinnati, O.
Kraft A. C., 323 W. Lake, Chicago, Ill.
Lecomte & Co., Wolcott, Brooklyn, N. Y.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
*See adv index at end of book*
Manufacturers Can Co., Harrison, N. J.
Mason Mfg. Co., 156 So Water, Providence, R. I.
Messenger H. B., Federalsburg, Md.
Metal Package Corp. of N. Y. (Decorated), 346 Carroll, Brooklyn, N. Y.
National Can Co. (Packers' Syrup, etc.), 121 N Caroline, Baltimore, Md.
National Can Co., 36 Wash'n N., Boston, Mass.
**NATIONAL CAN CO.**, Detroit, Mich.
New Can Co., 326A, Boston, Mass.
Peoria Can Co., Peoria, Ill.
Phelps Can Co., Key Highway & Lawrence, Baltimore, Md.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Platt & Co., Inc. (Packers), Key Highway & Boyle, Baltimore, Md.
Porter C. B. Co., 128 N 2nd, Phila., Pa
Republic Metalware Co. The, Buffalo, N. Y.
Roseland Can & Specialty Co., Rockford, Ill.
St. Louis Paper Can & Tube Corporation, St. Louis, Mo.
St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo.
Sanitary Can Co. (Tomato, for Whole Tomatoes, etc), 120 B'way, New York
Sexton Can Co. (Benzine Safety, Boxed, Metallic, Jacket, Drug, Varnish, Grease, Aniline, Oyster & Screw Top & Slip Cover, etc.), 123 Broad, Boston, Mass.
Shalita Bros., 268 South, New York
Skat Co., Hartford, Conn.
Southern Can Co. (Fruit, Syrups, etc), 717 S Wolfe, Baltimore, Md.
Steward L. & J. A., Rutland, Vt.
Trench D. G. & Co., 222 N Wabash av, Chicago, Ill.
Troy Stamping Works, Troy, N. Y.
Tyler Can Co. (Packers' Cans Only), 1409 Eastern av, Baltimore, Md.
U. S. Can Co. (Packers, etc), Norwood, Cincinnati, O.
Virginia Can Co., Buchanan, Va.
Wheeling Can Co. (Grease), Wheeling, W. Va.

## 1876—*Cans (Tin, Fibre & Galvanized)

**AMERICAN CAN CO., 120 Broadway, New York**
*See adv index at end of book*
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

## 1877-8— Cans (Tin, Fruit)

See also Cans, Packers, etc.
**AMERICAN CAN CO., 120 B'way, New York.** *See adv index at end of book*
Boyle Can Co., Wolfe & Thames, Baltimore, Md.
Continental Can Co., Syracuse, N. Y.
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Franklinville Canning Co., Franklinville, N. Y.
Los Angeles Can Co., 303 San Fernando rd, Los Angeles, Cal.
*See adv index at end of book*

**LOS ANGELES CAN COMPANY**
Los Angeles, California
Manufacturers of fruit, fish and vegetable cans. Also a full line of miscellaneous with the exception of lithographed cans.

National Can Co., Detroit, Mich.
**Peoria Can Co., Peoria, Ill.**
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.

## 1879— Cans (Waste)

**AMERICAN CAN CO., 120 Broadway, New York**
*See adv index at end of book*
Atlantic Stamping Co. ("Atlantic," Galvanized Iron), 180 Ames, Rochester, N. Y.
Bushnell Tank Works, Bushnell, Ill.
Canton Art Metal Co., Canton, O.
Central Stamping Co. (Oily Waste), 174 Fulton, New York
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co. (Oily Waste, Sheet Metal, 1281 E 38th, Cleveland, O.
Continental Can Co., 111 W Washington, Chicago, Ill., Syracuse, N. Y.
Diener Geo. W. Mfg. Co. ("Perfection" Oily Waste), 400 Monticello av, Chicago, Ill.
Dover Stamping & Mfg. Co. (Oily Rag & Waste Can), Cambridge, Mass.
Dressel Railway Lamp Works (Cans & Pails), 3860 Park av, New York
Ely & Williams Co. (Factory Waste & Rubbish), 257 B'way, New York
Federal Stamping Co. ("Federal" Oily Waste), Holland, Mich.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Harker Mfg. Co., 121-123 W 3d, Cincinnati, O. *See adv index at end of book*
Harry O. K. Steel Co., 2333 Papin, St. Louis, Mo.
Hill James Mfg. Co., 52 Westfield, Providence, R. I.
Iron Clad Mfg. Co., 178 Cook, Brooklyn, N. Y.
Justrite Mfg. Co. ("Justrite" Oily Waste), 2061 Southport av, Chicago, Ill.
**Kaiser Mfg. Co., 245 Pearl, New York**
Kelly Foundry & Machine Co., Goshen, Ind.
Koven L. O. & Bro. (Oily Waste), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Kraft A. C. ("Nacefas" Oily Waste), 323 W Lake, Chicago, Ill.
Lock-Tite Mfg. Co., Battle Creek, Mich.
Manufacturers Can Co., Harrison, N. J.
National Enameling & Stamping Co. (Oily Waste Paper, etc), 411 5th av, New York
National Fibre & Insulation Co., Yorklyn, Del.
National Marine Lamp Co. (Oily Waste), Forestville, Conn.

New Orleans Roofing & Metal Co. ("Nola" Oily Waste), Cortez & Orleans, New Orleans, La.
North Star Ash Can Co. (Oily Waste), 167 Chrystie, New York
Ohio Corrugating Co., Warren, O.
Rex-Harris Fire Appliance Co., 310 W. 39th, New York
ROCHESTER CAN CO. ("Iron Horse," Oily Waste), Rochester, N. Y.
*See adv index at end of book*
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
Roseland Can & Specialty Co. (Oily Rag & Waste), Rockford, Ill.
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
Schlueter Mfg. Co., B'way & John av, St. Louis, Mo.
Sexton Can Co. ("Sexton's" Fireproof Oily Waste), 123 Broad, Boston, Mass.
Solar Metal Products Co., Columbus, O.
Standard Fibre Co. ("Fibre"), Miller St, Somerville, Mass.
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Steel Basket Co. (Oily Waste), Cedar Rapids, Ia.
Stephenson C. H. (Stephenson Always Closed, Fireproof), Lynn, Mass.
Wall P. Mfg. Supply Co., 705 Preble av N S, Pittsburgh, Pa.
Walters Mfg. Co. (Steel Brazed), Fulton bldg, Pittsburgh, Pa.
Whitaker-Glessner Co., Wheeling Corrugating Dept. (Galvanized Waste), Wheeling, W. Va.
Willcox Engineering Co. (Self-Closing for Kitchen Use), 1525 Holland av, Saginaw, Mich.
Wilson Andrew Co. (Oily Waste, Metallic), 616 Essex, Lawrence, Mass.
*See adv index at end of book*

## Cans (Wood Jacket)

See Cans, Shipping, Wood Jacket

## 1880— Cant-Dogs

Mansfield E. Corp., Orono, Me.
Peavey Mfg. Co. ("Peavy"), Bangor, Me.
Stevens C. P., Franklin, N. H.
Witham G. S. & Son, Caratunk, Me.

## 1880a— Canteens

Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Effbee Co., 306 S Franklin, Chicago, Ill
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Woolwine Metal Products Co. ("Bear Brand"), 8th & Santa Fe av, Los Angeles, Cal.

## 1881— Canteens (Army)

Campbell A. S. Co. ("Cello"), 276 Commercial, Boston, Mass.
Hemp & Co. ("Utility" Government), St. Louis, Mo.
National Enameling & Stamping Co., 411 5th av, New York
Troy Stamping Works, Troy, N. Y.
Warren J. M. & Co. (Soldiers'), Troy, N. Y.
Woolwine Metal Products Co., 8th & Santa Fe av, Los Angeles, Cal.

## 1882— Canteens (Miners')

Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Hardsocg Mfg. Co. (Match Box Canteens), Ottumwa, Ia.
Peoria Can Co., Peoria, Ill.

## 1883— Cant Flippers (Steam)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Union Furnace Mfg. Co., Union Furnace, Pa.

## 1884— Canthooks

See also Tools, Logging & Lumberman's
American Logging Tool Co., Evart, Mich.
Atkins E. C. & Co., Indianapolis, Ind.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Columbus Handle & Tool Co. ("Columbus"), Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Geriach Peter Co., 1712 Winter, Cleveland, Ohio
Peavey Mfg. Co. ("Peavey," with Dog Nose, etc), Bangor, Me.
Prouty C. & Co., Eldred, Pa.
Ransome Concrete Machinery Co., Dunelle, N. J.
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.
Standard Saw Mill Machinery Co., Erie, Pa.
Warren Axe & Tool Co., Warren, Pa.
Williams Mfg. Co., Macon, Ga.

## 1884a—Canvas (Waterproof)

Fulton Bag & Cotton Mills, Atlanta, Ga.
STANLEY, WM. W. (Cotton, Duck & Canvas of All Kinds), 50 Church, New York

## Capitals (Carved Wood)

See Carvers, Wood, Classic; also Columns, Porch, Etc.

## 1885-6-7—Capitals (Composition)

See also Ornaments, Composition
Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Decorators Supply Co. (Interior & Exterior), Archer av & Leo, Chicago, Ill.
Detroit Column & Mfg. Co., Holden & M C, Detroit, Mich.
Emmel Chas. & Rose Co. (Papier Mache Staff), 383 Albany, Boston, Mass.
Harnisch Ad. A., Syracuse, N. Y.
Hartmann-Malcolm Co., 847 N Troy, Chicago, Ill.
Plastic Relief Mfg. Co., 1959 Fulton, Chicago, Ill.

## Capitals (Plaster)

See Ornaments, Plastic

## 1888—Caps (Automobile Radiator)

Atlantic Rubber Co., Linden, Boston, Mass.
Baumann Rubber Co., New Haven, Conn.
Davol Rubber Co., 69 Point, Providence, R. I.
Edelmann E. & Co., 341 E Ohio, Chicago Ill.
Goodrich B. F. Co., Akron, O.
Legler-Eilerman Co., Dayton, O.
Niagara Insula-Bake Specialty Co., Albany, N. Y.
Pouvailsmith Corp., Poughkeepsie, N. Y.
Rome-Turney Radiator Co., Rome, N. Y.
Vahan Products Co., 73rd & St. Clair, Cleveland, O.
Waterbury Mfg. Co., Waterbury, Conn.

## 1889— Caps (Bathing)

Goodrich B. F. Co., Akron, O.
Kleinert I. B. Rubber Co., 725 B'way, New York
Parker-Stearns & Co., 286 Sheffield, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Star Rubber Co. ("Nepto," "Luna," "Veno"), Akron, O.

## 1890— Caps (Blasting)

ATLAS POWDER CO., 140 N Broad, Philadelphia, Pa.
*See adv index at end of book*
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*
Grasselli Powder Co. (Guardian bldg), Cleveland, O.
HERCULES POWDER CO. ("Hercules," "California"), Wilmington, Del.
*See adv index at end of book*

## 1891-2—Caps (Bottle & Flask)

See also Corks, Crown
Aluminum Container Corp., Fulton, N. Y.
American Bottle Cap Mfg. Co., 53 E Illinois, Chicago, Ill.
AMERICAN CAN CO., 120 Broadway, New York *See adv index at end of book*
Anchor Cap & Closure Corporation, 81 Prospect, Brooklyn, N. Y.
Ball Brothers Glass Mfg. Co. (Metal Screw), Muncie, Ind.
Bernardin Bottle Cap Co. (Metal), Evansville, Ind.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Conley Foil Co., 541 W. 25th, New York
Consolidated Fruit Jar Co. (Screw, etc.), New Brunswick, N. J.
Crown Cap Mfg. Co., 201 37th, Brooklyn, N. Y.
Crown Cork & Steel Co., 1511 Guliford av, Baltimore, Md.
Estes E. B. & Sons (Wood), 364 5th av, New York
*See adv index at end of book*
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
Hazel Atlas Glass Co. (Bottles), Wheeling, W. Va.
Interstate Bottle Stopper Co., 168 39th, Brooklyn, N. Y.
National Metal Seal Corp., Portland, Me.
Phoenix-Hermetic Co., 3720 14th av Brooklyn, N. Y.
Piqua Cap Co. (Milk Bottle), Piqua, O.
Ray Geo. A. Mfg. Co. (All Copper Nickel Plated), Buffalo, N. Y.
Sayford Paper Specialty Co. (Paper), Vineland, N. J.
Star Seal Co., 30 Church, New York
Tuttle Press Co., Appleton, Wis.
U. S. Metal Cap & Seal Co. ("Upressit" Metal), 107 W 13th, New York
Waterbury Button Corporation (Metal), 831 So Main, Waterbury, Conn.
*See adv index at end of book*
Waterbury Mfg. Co., Waterbury, Conn.
Williams Sealing Corp. (Metal & Cork), Decatur, Ill.

## 1893— Caps (Chimney)

Adams Co., Dubuque, Ia.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
EDWARDS MFG. CO. (Steel), 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Globe Ventilator Co. ("Globe," For Cars, Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.
Klauer Mfg. Co., Dubuque, Ia.
Kramer Bros. Foundry Co. ("Gem" Adjustable Can Iron), Dayton, O.
Loetscher-Ryan Mfg. Co. (Adjustable Clamp, etc), Dubuque, Ia.
Munnsville Plow Co. (Cast Iron), Munnsville, N. Y.
National Mfg. Co. ("Best"), Sterling, Ill.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Scott Roofing & Mfg. Co. (Steel), 408 Culvert, Cincinnati, O.
Standard Ventilator Co. (Revolving), Lewisburg, Pa.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 1894—Caps (Color, for Incandescent Bulbs)

Betts & Betts Corp., 513 W 42d, New York

## 1894a— Caps (Cork)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 1894b—*Caps (Delay, Electric Blasting)

Atlas Powder Co., 140 N Broad, Philadelphia, Pa.
*See adv index at end of book*
Giant Powder Co. Cons., San Francisco, Cal.
*See adv index at end of book*

## 1894c— *Caps (Drive)

Larkin J. K & Co., 34 Reade, New York
*See adv index at end of book*

## 1895— Caps (Electric Blasting)

Atlas Powder Co., 140 N Broad, Philadelphia, Pa.
*See adv index at end of book*
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*
HERCULES POWDER CO. ("Victor," Delay), Wilmington, Del.
*See adv index at end of book*

## 1896— Caps (Fruit Jar)

**AMERICAN CAN CO.** ("Sanicap" for Mason Fruit Jars), 120 Broadway, New York *See adv index at end of book*
Ball Bros. Glass Mfg. Co. ("Boyd" Genuine), Muncie, Ind., & Wichita Falls, Texas
Bernardin Bottle Cap Co., Evansville, Ind.
Hazel Atlas Glass Co., Wheeling, W. Va.
Kerr Glass Mfg. Co., Sand Springs, Okla.
Mason Jar Glass Cap Co., Anderson, Ind.
National Metal Seal Corp., Portland, Me.

## 1897— Caps (Fuse)

Patton-MacGuyer Co. (Enclosed), 31 Mathewson, Providence, R. I.

## Caps (Gun & Percussion)

See Ammunition Manufacturers

## 1898— Caps (Hitching Post)

Munnsville Plow Co., Munnsville, N. Y.

## 1899— Caps (Hub)

**ACKLIN STAMPING CO., 1659 Dorr, Toledo, O.** *See adv index at end of book*
Bossert Corporation, The (Automobile, etc.), cor Linden & West av, Utica, N. Y
*See adv index at end of book*
**BOWEN PRODUCTS CORP.** Divs: Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., & Windsor, Ont., Canada
*See adv index at end of book*
Buffalo Pressed Steel Co., 800 Kensington, Buffalo, N. Y.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Detroit Pressed Steel Co. (Pressed Steel), 1800 Mt. Elliott av, Detroit, Mich.
**Gier Pressed Steel Co., Lansing, Mich.**
Globe Machine & Stamping Co. (Drawn Steel), 1250 W 76th, Cleveland, O.
Hartford Machine Screw Co., Hartford, Conn.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hayward S. F. & Co., 250 W 54th, New York
Imperial Brass Mfg. Co. (Aluminum & Brass), 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Matthews H. A. Mfg. Co., Seymour, Conn.
Murdock Reed Co., 127 Federal, Boston, Mass.
Pettis W. W. Co., 416-417 First Nat Bk bldg, Cincinnati, O.
*See adv index at end of book*
Schweppe & Wilt Mfg. Co., Mt. Elliott & Conant, Detroit, Mich.
Torrey Roller Bushing Works, Bathe, Me.
Unique Findings & Supply Co., 36 Garnet, Providence, R. I.
Wiener-Barnet Co., 328 Adams, Newark, N. J.
Worcester Pressed Steel Co., Worcester, Mass.

## 1900—Caps (I-Beam & Plank)

Yost Mfg. Co. (Cast Steel for Protecting Steel Piling, etc., when Driving into Ground), Meadville, Pa.

## 1901— Caps (Jelly Glass)

Hazel Atlas Glass Co. (Stamped Metal, Aluminum Zinc & Tin), Wheeling, W. Va.
National Metal Seal Corp., Portland, Me.
Ohio Lantern Co. (Tin), Tiffin, O.

## 1902— Caps (Milk Bottle)

Crown Cork & Seal Co. ("Dacro"), 1511 Guilford av, Baltimore, Md.
Dairymen's Supply Co., 1919 Market, Phila., Pa.
Duren & Co., 34 Summer, Boston, Mass.
Gem Stamped Steel Co. ("Gem" Sanitary), Chelsea, Mass.
Gem Stopper Co. (& Wire Trimmings), 2120 Nicholas, Phila., Pa.
Ivor Glass Co., Columbus, O.
Pa Pro Co., Lowville, N. Y.
Piqua Cap Co., Piqua, O.
Roberts Lightning Mixer Co. (Milk Bottle Covers), 39 Pearl, Boston, Mass.
Spahr Mfg. Co. ("Helpmate" Tops), 1423 Vine, Phila., Pa.
Summers Wm. Co., Piqua, O.
Thatcher Mfg. Co., Elmira, N. Y.

## 1903— Caps. (Miners')

Dooley Bros. (Jobbers), 1201 S. Washington, Peoria, Ill.
Hardsocg Mfg. Co., Ottumwa, Ia.
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Jones T. R. Co. ("Black Diamond"), Wilkes-Barre, Pa.
Perm Mfg. & Supply Co., Wilkes-Barre, Pa.

## 1904— Caps (Pile)

Vulcan Iron Works ("Casgrain," for Driving), 327 No Irving av, Chicago, Ill.

## 1905— Caps (Pipe)

Belcher & Loomis Hardware Co. ("Boss"), 89 Weybosset, Providence, R. I.
General Fire Extingusher Co., Providence, R. I.
Gillette-Vibber Co., New London, Conn.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**LUNKENHEIMER CO.** (Brass), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**McRAE & ROBERTS CO.** (Brass), 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Malleable Iron Fittings Co. (" M. I. F. Co."), Branford, Conn.
Newbury J. H., Goshen, N. Y.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Rockwood Sprinkler Co. ("Rockwood" Pressed Steel), Worcester, Mass.

## Caps (Pole)

See Straps, Pole

## 1906— Caps (Roofing, Tin)

**AMERICAN CAN CO., 120 Broadway, New York**
*See adv index at end of book*
Ammidon & Co., 31 S Frederick, Baltimore, Md.
Barrett Co., 17 Battery pl, New York
Carey Philip Mfg. Co. ("Carey"), 330 Wayne av, Lockland, Cincinnati, O.
Consolidated Fruit Jar Co., New Brunswick, N. J.
Franklinville Canning Co., Franklinville, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Horan Stay Hanger Co. (Also Galvanized), 1932 W Jefferson, Louisville, Ky.
Humphrey H. W., Unionville, Conn.
Igoe Bros., Canal & Lafayette, New York
Merwin Mfg. Co. (Galvanized), Erie, Pa.
National Can Co., Detroit, Mich.
National Enameling & Stamping Co., 411 5th av, New York
Robertson W. F. Steel & Iron Co., Elm & Commerce, Cincinnati, O.
Waterloo Mfg. Co. (Galv.), Waterloo, Ia.
Whitaker-Glessner Co., Wheeling Corrugating Dept., Wheeling, W. Va.

## 1907— Caps (Screw)

Aluminum Container Corp. (Aluminum), Fulton, N. Y.
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
**AMERICAN CAN CO., 120 Broadway, New York.** *See adv index at end of book*
Ball Brothers Glass Mfg. Company (Bottle & Can, Metal), Muncie, Ind.
Bernardin Bottle Cap Co. (Retinned Bottle Screw Caps), Evansville, Ind.
Columbia Specialty Co., 1508 E Fayette, Baltimore, Md.
**Delphos Mfg. Co., 1st & Pierce, Delphos, O.**
Eagle Mfg. Co., Wellsburg, W. Va.
Franklinville Canning Co., Franklinville, N. Y.
Harrison Bolt & Nut Co., Harrison, N. J.
Hero Mfg. Co. (Aluminum), Westmoreland av & Stokley, Phila., Pa.
**Keystone Lantern Co., Tacony & Cottman, Phila., Pa.**
National Acme Mfg. Co., 23 S Jefferson, Chicago, Ill.
St. Louis Paper Can & Tube Corporation (Tin), St. Louis, Mo.

## 1908— Caps (Ventilating)

Hammann Wm. (Automatic Double Cone), 1057 5th, Milwaukee, Wis.
Hoffmann & Baur ("Columbia"), 279 Lake, Milwaukee, Wis.
Mechanicville Specialty Supply Mfg. Co., Mechanicville, N. Y.
Miller Foundry & Specialty Co. ("Climax," "Tip Top"), N Tonawanda, N. Y.
Wolverine Brass Works, Grand Rapids, Mich.

## 1909— *Caps (Waterproof)

**HERCULES POWDER CO.** (Electric Blasting), Wilmington, Del.
*See adv index at end of book*

## 1910— Caps (Wooden)

**BOGERT & HOPPER, INC.** (Cork, Bottle, Spout, Can, etc.), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Corks, Bottles, Can Sprouts, etc), 364 5th av, New York
*See adv index at end of book*
Gravely B. F. & R. R. (For Steel Pins), Martinsville, Va.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*

## 1910a— Capsicum

Harshaw, Fuller & Goodwin Co., Elec. bldg. Cleveland, O.

## 1911— Capstans

American Clay Machinery Co. (The), S Walnut, Bucyrus, O.
*See adv index at end of book*
**American Engineering Co. (Steam & Electric), Aramingo av & Cumberland, Phila., Pa.**
Chase Machine Co. (Steam), 2313 Elm, Cleveland, O.
Dake Engine Co. (Steam & Hand Power), Grand Haven, Mich.
Edson Mfg. Co. ("Edson" Hand Power), 257 Atlantic av, Boston, Mass.
**Flory S. Mfg. Co. (Steam or Electric), Bangor, Pa.**
Hyde Windlass Co. (Electric), Bath, Me.
La Plant-Choate Mfg. Co. (Horse Power), Cedar Rapids, Ia.
Marine Iron Works, 2036 Dominick, Chicago, Ill.
Russell Albert & Sons, Newburyport, Mass.
Swenson Grubber Co. (House Moving, etc), Cresco, Ia.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox, Crittenden & Co., Inc. ("Victor" & "Navy"), Middletown, Conn.
*See adv index at end of book*
Willamette Iron & Steel Works, Portland, Oregon

## 1911a—Capstans (Cable Pulling)

Hallett Iron Works, Harvey, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Swenson Grubber Co., Cresco, Ia.
Thacher Propeller & Foundry Corp., Albany, N. Y.

## 1912— Capsules

Herold China & Pottery Co., Golden, Colo.
Parke, Davis & Co., Detroit, Mich.
Planten H. & Sons, 93 Henry, Brooklyn, N. Y.
Thermal Syndicate, Ltd., 50 E. 41st, New York

## Car Builders

See Cars of Various Kinds

## 1913—Car Builders' Earthenware

Bellmark Co., Trenton, N. J.

## 1914— Car Ceilings

American Veneer Co. (Veneer), Hoboken, N. J.
Frost's Veneer Seating Co., Ltd., Sheboygan, Wis.
N. Y. Veneer Seating Co., 171 Pacific av, Jersey City, N. J.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Van Dyck Panel Mfg. Co. (Wood & Pulp), Bound Brook, N. J.
Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.

## 1915—Car Chutes (Unloading)

Littleford Bros., 444 E. Pearl, Cincinnati, O.
Quick Unloading Car Chute Co., Birmingham, Ala.
Ransome Concrete Machinery Co., Dunellen, N. J.
Southern Foundry Co. (Quick Unloading of Coal, Broken Stone, etc), Owensboro, Ky.

## 1916—Car Curtains & Materials

**ATLANTA TENT, AWNING & MFG. CO.,** Atlanta, Ga.
Boyle Jno. & Co. (Cotton Duck & Curtain Stripe), 112 Duane, New York
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Chase L. C. & Co., 89 Franklin, Boston, Mass. *See adv index at end of book*
**Curtain Supply Co., 320 W Ohio, Chicago, Ill.**
Dayton Mfg. Co., Dayton, O.
Lewis Robt. Co., Richmond & Brill, Phila., Pa.
National Lock Washer Co. (Complete Curtains & Fixtures), 65 Johnson, Newark, N. J.
Pantasote Co., 11 B'way, New York
Railway Supply & Curtain Co. (Car Curtains & Fixtures), 618 S Canal, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sillcocks-Miller Co. ("Texodren" Car Shades), S Orange, N. J.
**ZAPON LEATHER CLOTH CO.** (Formerly Boston Artificial Leather Co.), 200 Fifth av, New York

**Pre-eminent for thirty years.**

Zapon is supreme for all upholstery. Broncho, Muleskin, Moroccoline, Randco, 170 Drill and Sheeting qualities all carry the advantage of fine appearance, long wear, workability and economy. Ask for samples.

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**200 FIFTH AVE., NEW YORK, N. Y.**

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## 1917— Car Doors & Fittings

See also Doors, Grain

**Brill J. G. Co., 62d & Woodland, Philadelphia, Pa.**
Camel Co. (Security), 332 S Michigan av, Chicago, Ill.
Chicago Car Door Co., McCormick bldg, Chicago, Ill.
**DAHLSTROM METALLIC DOOR CO.** (Fireproof Steel Car Doors), 413 Buffalo, Jamestown, N. Y., & 130 E 15th, New York.
*See adv index at end of book*
Eagle Brass Foundry Co., Seattle, Wash. *See adv index at end of book*
Edwards O. M. Co. (Extension Platform Trap Doors), Syracuse, N. Y.
Jones Car Door Co. ("Jones," "Jones Peerless," "Smith"), Monadnock blk, Chicago, Ill.
Nat'l Pneumatic Co., 50 Church, New York
Pitt Car Gate Co. (Gibbs Vestibule Door Operating Devices), 221 W 26th, New York
Pressed Steel Car Co. (Tank, Car Fittings, Box & Stock Car Doors), 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sherburne & Co. (Car Door Holders, etc), 53 Oliver, Boston, Mass.
Wallace Supplies Mfg. Co. ("Duplex" Ball Bearing Fixtures for Double Car Doors), 412 Orleans, Chicago, Ill.
Western Railway Equipment Co. ("St. Louis" & "Western," Flush; "Hoerr" & "Missouri," Interchangeable), Central Nat'l Bk bldg, St. Louis, Mo.
Western Steel Car & Foundry Co. (Tank Car Fittings, Box & Stock Car Doors), 122 S Michigan, Chicago, Ill.

## 1918— Car Dumpers

**BARTLETT C. O. & SNOW CO.** (Mine Car), Fall st, Cleveland, O.
*See adv index at end of book*
Brown Hoisting Machinery Co., 4403 St. Clair av, N E, Cleveland, O.
Browning Co., E 162d & Waterloo rd, N E, Cleveland, O.
**FULTON IRON WORKS CO.** (Sugar Cane), St. Louis, Mo.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
McMyler-Interstate Co., Bedford, O.
Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*

## 1919—Car Fenders & Wheel Guards

Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
Cleveland Fare Box Co. ("Cleveland"), 4900 Lexington av, Cleveland, O.
Consolidated Car Fender Co. ("Providence," Fender & Wheel Guard), Vale, Providence, R. I.
Eclipse Railway Supply Co. ("Eclipse," Life Guard), 4824 Pagne av, Cleveland, Ohio
Lord Mfg. Co., 105 W 40th, New York
McGuire-Cummings Mfg. Co. ("Royal Flush" Fender), Harris Trust & Savings bldg, Chicago, Ill.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Parmenter Fender & Wheel Guard Co. ("Parmenter," Fender & Wheel Guard), 89 State, Boston, Mass.
Root Spring Scraper Co., Kalamazoo, Mich.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Snow Wire Works Co., Rochester, N. Y.
Trolley Supply Co. (Detachable), Canton, O.

## 1920— Car Gates & Guards

Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
Jewett Car Co. ("Jewett"), Newark, O.
Inglis Wm. Wire & Iron Wks., 61 Woodbridge, Detroit, Mich.
Pitt Car Gate Co., 221 W 26th, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 1921— Car Lighting Apparatus

A. G. A. Railway Light & Signal Co., Elizabeth, N. J.
Consolidated Ry. Elec. Lighting & Equipment Co., 61 B'way, New York
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Gold Car Heating & Lighting Co. (Acetylene, etc), 17 Battery pl, New York
Gould Coupler Co. (Electric Axle Light, etc), 30 E 42nd, New York
Safety Car Heating & Lighting Co. ("Pintsch" Light & Electric), 2 Rector, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
United States Light & Heat. Corp. ("U. S. L." Electric System), Niagara Falls, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 1922— *Car Lining

**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane blvd, Buffalo, N. Y.
*See adv index at end of book*

## 1923—Car Movers or Pushers

See also Bars, Pinch

**Aldon Co. ("Sheldon") 3338 W Ravenswood av, Chicago, Ill.**
**Appleton Car Mover Co. ("Atlas"), Appleton, Wis.**
Atkins E. C. & Co. ("Atkins A. A. A."), Indianapolis, Ind.
Atlas Railway Supply Co. ("Atlas"), 431 S Dearborn, Chicago, Ill.
Fairmont Mining Machy. Co., Fairmont, W. Va.
Handlan-Buck Mfg. Co. ("Victor"), 210-14 N 3rd, St. Louis Mo.
Hercules Car Mover Co., 860 Clark, Appleton, Wis.
Hilts Wrench & Mfg. Co. ("Never-Slip"), Richford, N. Y.
Industrial Supply & Equipment Co., 407 Sanson, Phila., Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Marseilles Works of Deere & Co. ("Sanson," "Hercules," Power Car Pullers), East Moline, Ill.
Michigan Truck & Lumber Co., Holly, Mich.
Ransome Concrete Machinery Co. ("Radger," "Never Slip"), Dunellen, N. J.
Rowell G. D. & Son, Appleton, Wis.
Stafford E. H. Mfg. Co. ("Easy"), 218 S Wabash av, Chicago, Ill.
Stanley Rule & Level Co. (Atha Div.), New Britain, Conn.
Stephens-Adamson Mfg. Co. ("Sheldon Movers)"), Aurora, Ill.
Verona Tool Works (Car Pushers or Locomotive Pinch Bars), Oliver bldg, Pittsburgh, Pa.
Webster Mfg. Co. ("Sheldon"), 4500 Cortland, Chicago, Ill.
*See adv index at end of book*
Wentink Mfg. Corp., Menasha, Wis.
Zelnicker Walter A. Supply Co. ("Zelnicker," Double Clutch Car Mover), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 1924—Car Parts (Of Every Description)

American Car & Foundry Co., Syndicate Trust bldg, S. Louis, Mo.

## 1925— Car Plush

Chase L. C. & Co. ("Goat Brand" Mohair Velvets), 89 Franklin, Boston, Mass.
*See adv index at end of book*
**Collins & Aikman Co., 4675 Nixon, Phila., Pa.**
Goff D. & Sons (Mohair), Pawtucket, R. I.
Massachusetts Mohair Plush Co. (Mohair), 200 Devonshire, Boston, Mass.
Sanford Mills, Sanford, Me.

## Car Pushers

See Car Movers or Pushers

## 1926— Car Repair Work

Erie Car Works, 1150 W 17th, Erie, Pa.

## 1927— *Car Seats

**DAHLSTROM METALLIC DOOR CO.** (Pressed Steel Seat Ends), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*

## 1928—Car Seats, Chairs & Fittings

Barney & Smith Car Co. (Railway Seating, etc.), Dayton, O.
Dayton Mfg. Co., Dayton, O.
Eagle Brass Foundry Co., 21 Spokane, Seattle, Wash.
*See adv index at end of book*
Hale & Kilburn Co. ("Walkover"), 1800 Lehigh av, Phila., Pa.
Heywood Bros. & Wakefield Co. (Seats, etc.), Gardner, Mass.
Jewett Car Co. (Fittings Only), Newark, O.
New York Veneer Seating Co. (Veneered Seats & Chairs), 171 Pacific av, Jersey City, N. J.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Southern Seating & Cabinet Co. (Station Seats Only), Jackson, Tenn.

## 1929— Car Steps & Treads

See also Stair Treads

For Rubber Treads, See Mats & Matting Rubber
American Mason Safety Tread Co. ("Mason" & "Stanwood"), Lowell, Mass.
Jewett Car Co. (Car Steps Only), Newark, O.
Universal Safety Tread Co., Waltham, Mass.

## 1930— Car Trimmings

See also Car Curtains & Materials

Adams & Westlake Co. (Metal Coach), 319 W Ontario, Chicago, Ill.
**Brill J. G. Co., 62d & Woodland av, Phila., Pa.**
Columbia Machine Works & Malleable Iron Co. (Metal), Atlantic av & Chestnut, Brooklyn, N. Y.
Creamer W. G. & Co. (Also Trolley Car Trimmings), 96 John, New York
**Curtain Supply Co., 320 W Ohio, Chicago, Ill.**
Delaware Marine Mfg. Co. (Brass & Bronze), Wilmington, Del.
Dayton Mfg. Co. (Brass & Bronze), Dayton, O.
Edwards O. M. Co., Inc., Syracuse, N. Y.
Halstead & Co. (Brass), 1129 Cherry, Phila., Pa.
Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.
Howard Jas. L. & Co. (Metal), Hartford, Conn.
International Register Co., 15 Throop, Chicago, Ill.
Ives H. B. Co., New Haven, Conn.
Jewett Car Co. (Brass & Bronze), Newark, O.
**Johnson Bronze Co. (Brass & Bronze), New Castle, Pa.**
Loeffelholz Co. (Brass), Milwaukee, Wis.
Midland Metal Co. (Brass & Bronze), 21st & Jefferson, Phila., Pa.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
**Scullin Steel Co. (Cast Steel for Freight Cars), 6700 Manchester av, St. Louis, Mo.**
Sherburne & Co., 53 Oliver, Boston, Mass.
Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.

## 1931—Car Truck Side Frames

Bettendorf Co. (Cast Steel for Freight Cars), Bettendorf, Ia.
**Brill J. G. Co., 62d & Woodland, Phila., Pa.**
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.

## 1932—Car Truck & Body Bolsters

American Bridge Co. (Car Bolsters), 30 Church, New York
American Car & Foundry Co., Syndicate Tr. bldg, St. Louis, Mo.
American Steel Foundries (Open Hearth Cast Steel), McCormick bldg., Chicago, Ill.
Bettendorf Co. (Trucks & Cast Steel Bolsters), Bettendorf, Ia.
**Brill J. G. Co., 62d & Woodland, Phila., Pa.**
Buckeye Steel Castings Co. (Cast Steel), Columbus, O.
Chicago Railway Equipment Co. ("Monitor"), 1928 W 46th, Chicago, Ill.
Commonwealth Steel Co. (Cast Steel), Pierce bldg., St. Louis, Mo.
Gould Coupler Co., 30 E 42nd, New York
Jewett Car Co., Newark, O.
Pittsburgh Steel Foundry (Open Hearth Steel, Car Bolsters), House bldg, Pittsburgh, Pa.
**Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.**
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Scullin Steel Co. (Cast Steel), 6700 Manchester av, St. Louis, Mo.
Standard Steel Car Co., A. V. R. R., Pittsburgh, Pa.
Western Steel Car & Foundry Co., 112 S Michigan, Chicago, Ill.

## 1933-4—Car Window Fixtures

**Brill J. G. Co., 62d & Woodland, Phila., Pa.**
Edwards O. M. Co., Inc. ("Paownyc"), Syracuse, N. Y.
Ives H. B. Co., New Haven, Conn.
McCord Mfg. Co. ("Universal"), 2587 Grand blvd, Detroit, Mich.

## 1935—Carbanese (Iron Purifier)

**Midvale Mining & Mfg. Co., Central Nat'l Bk. bldg, St. Louis, Mo.**

## 1935a— Carbazole

Barrett Co., 17 Battery pl, New York

## Carbide Mfrs.

See Calcium Carbide

## 1935b— Carbofrax

Carborundum Co., Niagara Falls, N. Y.

## 1936— Carbolineum Importers

Carbolineum Importing Co., 76 Wall, New York
Northeastern Co., 80 Beverly, Boston, Mass.
**PROTEXOL CORPORATION,** formerly Carbolineum Wood Preserving Co., 41 Barclay, New York
**S. P. E. WOOD PRESERVING CO., INC.,** 76 Wall, New York

## 1937— Carbon Bi-Sulphide

Dow Chemical Works, Midland, Mich.
**Fuerst Bros. & Co. (Imported), 2 Stone, New York**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Highfield John W., 248 N. 10th, Brooklyn, N. Y.
Katzenbach & Bullock Co., 100 William, New York
**National Aniline & Chemical Co., Inc., 21 Burling sl, New York**
**National Gum & Mica Co., 59th & 11th av New York**
Rollin Chemical Corp., 120 Broadway, New York *See adv index at end of book*
**Scheel Wm. H. (Imported), 159 Maiden la, New York**
*See adv index at end of book*
**Stauffer Chemical Co., 624 California, San Francisco, Cal.**
Taylor Chemical Co. (In Drums), Penn Yan, N. Y.
**Warda John C. & Co. (Also Prepared), 273 Greene, Brooklyn, N. Y.**
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
**Wheeler, Reynolds & Stauffer, 624 California, San Francisco, Cal.**

## 1937a—Carbon (Black Diamonds & Bortz)

**ACME DIAMOND TOOL CO.,** 12-16 John, New York
*See adv index at end of book*
Atkins, Kroll & Co., 260 California, San Francisco, Cal.
Bandler Bernard & Sons (For Diamond Drills & All Mechanical Purposes), 220 5th av, New York
Baszanger Co. (Also Rough Diamonds), 65 Nassau, New York
**Byron & Hall, 116 Broad, New York**
Crafts Arthur A. Co. ("Crafts" Black Diamonds only), 125 Summer, Boston, Mass.
Dessau D. (S. Dessau's Son), 180 B'way, New York *See adv index at end of book*

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For Diamond Drills and
All Mechanical Purposes
D. DESSAU
180 Broadway New York

**Dessau Maurice S. (For Mechanical Purposes), 6 Maiden la, New York**
*See adv index at end of book*
Dessau's S. Son (For All Mechanical Purposes), 180 B'way, New York
*See adv index at end of book*
**DIAMOND DRILL CARBON CO.,** 59 Park row, New York
**Dickinson Thos. L., 64 Nassau, New York**
Ehrmann & Bahlsen, 2 Maiden la, New York
**Francis & Co., Hartford, Conn.**
Gutman Chas. (Imp.), 35 Nassau, New York

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ABR. LEVINE
Importer of
Carbon (Black Diamonds) and Bortz
Diamonds Supplied for Drills, Tools and Other Mechanical Purposes
14 John Street New York

**Mendes Cutting Factories, 14 John, New York**
Meyers W. F. Co. (Or African Diamonds), Bedford, Ind.
**Rose S., 23 Maiden lane, New York**
**Rose S. Co., 12 John, New York**
Patrick R. S., Sellwood bldg, Duluth Minn.
Stern Bros. & Co., 68 Nassau, New York
Wheel Truing Tool Co., Penobscot bldg, Detroit, Mich.

## 1938— Carbon Black Mfrs.

**Binney & Smith Co. (& Blacks of Every Description), 81 Fulton, New York**
**Cabot Godrey L., Old South bldg, Boston, Mass.**
Columbian Carbon Co., Williamsport, Pa.
Diamond Carbon Co., Atlas Bank bldg, Cincinnati, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Hyde Carbon Black Co., Ridgway, Pa.**
**Imperial Oil & Gas Products Co., Harrisville, W. Va.**
Martin L. Co. ("Sunset," "New Century," "Anchor" & "Elephant"), 81 Fulton, New York
Morrill Geo. H. Co., Norwood, Mass.
National Sales & Trading Co. (Pressed), Cleveland, O.
Osborn C. J. Co., 132 Nassau, New York
**Peerless Carbon Black Co., 1st National Bank bldg, Pittsburgh, Pa.**
Rock Run Carbon Co., Warren, O.
Scheel Wm. H. (Imported), 159 Maiden la, New York
*See adv index at end of book*
Seaver & Co., 120 Milk, Boston, Mass.
Smith J. Lee & Co., 19 Jacob, New York
Southern Carbon Co., Warren, O.
Weston Carbon Co., Warren, Pa.

## 1938a—Carbon Brushes (Self Lubricating)

**LE VALLEY VITAE CARBON BRUSH CO.,** 531 W. 23rd, New York
*See adv index at end of book*

## 1938b—Carbon (Decolorizing and Deodorizing)

Industrial Chemical Co. ("Filtchar & Superfilchar"), 200 5th av, New York
Binney & Smith Co., 81 Fulton, New York

## 1938c—Carbon Dioxide (Liquid)

Chicago Carbonic Gas Co., 904 W. Superior, Chicago, Ill.
Lennox Chemical Co., 1205 E. 55th, Cleveland, O.
Ohio Chemical & Mfg. Co., Cleveland, O.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 1938d— Carbon (Filtering)

Binney & Smith Co., 81 Fulton, New York

## 1938e— Carbon (Gas Retort)

Brockton Gas Light Co., Brockton, Mass.
Buffalo Gas Co., Buffalo, N. Y.
Calhoun Gas Co., Battle Creek, Mich.
Derby Gas Co., Derby, Conn.

## 1939— Carbon Mfrs.

Acheson Graphite Co. (Pure), Niagara Falls, N. Y.
Carbic Mfg. Co. (For Use in Welding), Duluth, Minn.
Corliss Carbon Co., Bradford, Pa.
Elk Graphite Milling Co., St. Marys, Pa.
International Carbon Products Co., 230 W 13th, New York
National Carbon Co., Madison av, N W. & W 117th, Cleveland, Ohio

## 1940—Carbon (Manganese Dioxide)

Gilchrist Robt. Co. (Ground), Elizabeth, N. J.

## 1941— Carbon Removers

Adams & Elting Co. ("Ad-el-ite"), 726 Washington blvd, Chicago, Ill.
Ansonia Mfg. Co., Ansonia, Conn.
Beckley-Ralston Co. ("Carbosolvent"), 1801 S Michigan av, Chicago, Ill.
Bishop & Babcock Co. ("Eureka" Oxygen Decarbonizing Device), 1204 E. 55th, Cleveland, O.
Chicago Automobile Supply House ("Chicago" Liquid), 1351 S Michigan av, Chicago, Ill.
Detroit White Lead Works ("Rogers"), 560 E. Milwaukee av, Detroit, Mich.
Diamond Specialty Co. ("Diamond"), Indianapolis, Ind.
Dyer G. H. Co., Cambridge, Mass.
Economy Welding Machine Co., Kansas City, Mo.
Gibson Co., 424 N Capitol blvd, Indianapolis, Ind.
Hall-Thompson Co. ("Wonder Worker" & "Magic Decarbonizer"), Hartford, Conn.
Harvey Chemical Co. ("Harvey" Chemical), Lafayette, Ind.
Johnson S. C. & Son, Racine, Wis.
Lakewood Chemical Co. ("Autopower"), Hird, Cleveland, O.
Linde Air Products Co., 42d St Bldg, New York. *See adv index at end of book*
Michener E. S., 80 E Washington, New Castle, Pa.
Milwaukee Auto Specialty Co. ("Decarbonizer," "Masco," "Liquid"), 711 Chestnut, Milwaukee, Wis.
Motor Car Supply Co. ("M. S. C."), 1453 Michigan av, Chicago, Ill.
Northwestern Chemical Co. ("Carbonox"), Marietta, O.
Panama Oil & Grease Co. ("Wheatley"), 159 W 51st, New York
Prest-o-Lite Co. ("Prest-o"), Indianapolis, Ind.
Standard Varnish Works ("Kwickwork"), 90 West, New York
Thomas Carbon Remover Co., 15 Railroad, Cortland, N. Y.
Van Tilburg Oil Co. ("Car-Bon-Go"), 2428 University av S E, Minneapolis, Minn.
Worko Co., Racine, Wis.

## 1942-9— Carbon Tetrachloride

Dow Chemical Co., Midland, Mich.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Highfield John W., 248 N. 10th, Brooklyn, N. Y.
Katzenbach & Bullock Co., 100 William, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Merck & Co., 45 Park pl, New York
National Aniline & Chemical Co., Inc., 21 Burling sl, New York
National Sales & Trading Co. (Black), Cleveland, O.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
ROLLIN CHEMICAL CORP., 120 Broadway, New York
*See adv index at end of book*
Warner Chemical Co. (Non-Inflammable Solvent), 52 Vanderbilt av, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Carbonate of Ammonia

See Ammonium Carbonate

## Carbonate of Barytes

See Barium Carbonate

## Carbonate of Copper

See Copper Carbonate

## Carbonate of Iron

See Iron Carbonate

## Carbonate of Lime

See Lime Carbonate

## Carbonate of Magnesium

See Magnesium Carbonate

## Carbonate of Nickel

See Nickel Carbonate

## 1950— Carbonate of Potash

Bird J. A. & W. & Co. (Imp. "Bull's Head" Brand), 88 Pearl, Boston, Mass.
Harshaw, Fuller & Goodwin Co. (Imported), Elec. bldg, Cleveland, O.
Herrick & Voigt, 68 Maiden la., New York.
Highfield John W., 248 N. 10th, Brooklyn, N. Y.
INNIS, SPEIDEN & CO., Inc. (Calcined All Tests), 46 Cliff, New York
*See adv index at end of book*
Peters, White & Co. (Importers), 55 John, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Takamine Commercial Corp. (Imp.), 1... B'way, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda Jno. C. & Co., 273 Greene, Brooklyn, N. Y.

## Carbonate of Soda

See Sal-Soda

## 1951—Carbonation or Saturation Plants

Dyer Co., 2031 Euclid av, Cleveland, O.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.

## 1952— Carbonators

American Soda Fountain Co., 282 Congress, Boston, Mass.
Bastian-Blessing Co., 125 W Austin av, Chicago, Ill.
Bishop & Babcock Co. ("Eureka," "Champion" Electric, Hydraulic, etc), 1204 E 55th, Cleveland, O.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Getz, M. & Co., 162 First, San Francisco, Cal.
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
McCahill Soda Fountain Co., 407 W 59th, New York
Pacific Carbonator Co., 133 W 24th, New York
Schneible C. A., Esq. (& Repairs), 132 E 121st, New York
Twitchell S. Co. ("Washington," "President"), 223 Vine, Phila., Pa.

## 1953-4— Carbonizing

American Metal Treatment Co., Elizabeth, N. J.
Buchanan C. G. Chemical Co. ("Pack" & "Triangle B" Compounds), 4650 Baker av, Cincinnati, O.
Century Steel Co. of Am., Poughkeepsie, N. Y.
Kohler Die & Specialty Co., De Kalb, Ill.
Meisel Press Mfg. Co. (Steel), 942 Dorchester av, Boston, Mass.
Reliance Engineering Co., Lansing, Mich.
Sterling Drop Forge Works, 112 N La Salle, Chicago, Ill.
Vincent Steel Process Co., 751 Bellevue av, Detroit, Mich.

## Carbonizing (Steel)

See Carbonizing

## 1955— Carbons (Arc Light)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Kandem Electric Co. (Imp), 152 Chambers, New York
National Carbon Co. ("Columbia," "Headlight," "Silvertip," "National & White Projector," "Regenerative Flaming," "Silvertip Flame"), Madison av, N. W., & W 117th, Cleveland, O.
Reisinger Hugo ("Excello" Flaming Arc, "Electra," Importers), 11 B'way, New York
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*

## 1956-7— Carbons (Battery)

American Carbon & Battery Works of Nat'l Carbon Co. Inc., East St. Louis, Ill.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
National Carbon Co. (Cylinders, Pencils, Plates), Madison av N. W. & W. 117th, Cleveland, O.
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co., St. Marys, Pa.
Universal Carbon Co., Dundee, Ill.

## Carbons (Crucible)

See Carbon Mfrs.

## 1958— Carbons (Searchlight)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
National Carbon Co., Madison av, N. W. & W 117th, Cleveland, O.

## Carbons (Welding)

See Carbon Mfrs.

## Carborizing

See Compounds, Case Hardening & Tempering

## Carboys

See Stoneware, Chemical

## 1959— Carboys (Glass)

American Bottle Co., 38 S Dearborn, Chicago, Ill.
Bottlers' & Mfrs. Supply Co., 218 E 37th, New York
Gayner Glass Works, Salem, N. J.
Hawley Glass Co., Hawley, Pa.
Illinois Glass Co., Alton, Ill.
North Baltimore Bottle & Glass Co., Terre Haute, Ind.
Pacific Coast Glass Works, 7th & Irwin, San Francisco, Cal.
Reading Glass Works, Reading, Pa.
Whitall Tatum Co., 410 Race, Phila., Pa.

## 1960— Carbureters

Acme Carbureter & Mfg. Co., Dayton, O.
Air Friction Carbureter Co., Dayton, O.
Allen Fire Dept. Supply Co., 159 Aborn Providence, R. I.
Apex Elex Mfg. Co. ("Apex" Throttle for Automobile), 1410 W 59th, Chicago, Ill.
Bowen Corp. ("Garillus") Detroit, Mich.
Breeze Carburetor Co. (Kerosene & Gasoline), 250 South, Newark, N. J.
Brennan Motor Mfg. Co., Syracuse, N. Y.
Briscoe Devices Co., Jackson, Mich.
Byrne Kingston & Co. ("Kingston"), Kokomo, Ind.
Camden Anchor-Rockland Mach. Co. ("Knox"), Camden, Me.
Carter Carbureter Co., 2840 N Spring, St. Louis, Mo.
Col-Mac Co. ("Col-Mac"), 250 South, Newark, N. J.
Detroit Lubricator Co. ("Stewart"), Detroit, Mich.
Detroit Motor Castings Co. ("B-D"), 299 Beaufait, Detroit, Mich.
Dow Mfg. Co. ("Methot"), Braintree, Mass.
Ensign Carburetor Co. Inc. (Truck & Tractor), 217 E 17th, Los Angeles, Cal.
Essex Brass Foundry Co., Cambridge, Mass.
Findeisen & Kropf Mfg. Co. ("Rayfield"), 2559 W 21st, Chicago, Ill.
Folberth Auto Specialty Co., 7914 Lake av, Cleveland, O.
Fowler Lamp & Mfg. Co. ("Vortex"), 59 E 24th, Chicago, Ill.

CARBURETERS—continued

**Franklin Oil & Gas Co. ("Franklin"),** Bedford, O.
Gardner Carburetor & Brass Works ("Gardner Visible"), Shreveport, La.
Generator Valve Co. ("Acorn," "Eclipse"), 47 Dinsmore pl, Brooklyn, N. Y.
Gravity Carburetor Co., Woodland av, Cleveland, O.
**H. & N. Carburetor Co. ("H. & N"), 1675** B'way, New York
Holley Carburetor Co. ("Hollery"), 145 Willis av, E. Detroit, Mich.
Holtzer-Cabot Electric Co. ("Newcomb"), 125 Amory, Boston, Mass.
**Hoyt Electric Instrument Works ("Lovejoy"),** Penacock, N. H.
Hoyt Fred C., 15 Union av, Boston, Mass.
**K. B. C. Co., 2015 Michigan av, Chicago,** Ill.
K. D. Carburetor Co., Hamilton & Marquette, Cleveland, O.
**K.-W. Ignition Co., Chester av & E 30th,** Cleveland, O.
Lucas-Wallace Mfg. Co. ("Wallace"), Paducah, Ky.
McCord Mfg. Co. ("McCord"), 2587 Grand blvd, Detroit, Mich.
McKeen Motor Car Co., Omaha, Neb.
Marvel Carburetor Co. ("Marvel"), Flint, Mich.
Maxi Co. ("Maxi"), 114 W 30th, New York
Mayer Carburetor Co., 2673 Main, Buffalo,
Mechanical & Electrical Mfg. Co., 2227 Prairie av, Chicago, Ill.
Milwaukee Auto Engine & Supply Co. "Milwaukee"), 841- 29th, Milwaukee, Wis.
Milwaukee Auto Specialty Co. ("Milwaukee"), 711 Chestnut, Milwaukee, Wis.
Monarch Valve Co., 112 Front, Brooklyn, N. Y.
**Mosler A. R. & Co. ("M. & B."), Mt.** Vernon, N. Y.
Motsinger Device Mfg Co., Lafayette, Ind.
National Equipment Co. ("Tom Thumb" Gasoline & Kerosene), 122 S Michigan, Chicago, Ill.
**Nelson Tool Co., Inc.** ("Stokes"), 782 E 142d, New York
*See adv index at end of book*
**P. R. Mfg. Co. ("Zephyr"), Detroit, Mich.**
**Schlosser Mfg. Co., 151 E 126th, New** York
Schoen-Jackson Co. ("Feps"), Media, Pa.
Simms Magneto Co., East Orange, N. J.
**Shain Chas. D. ("Shain" Ball Spray), Sta.** L, Bklyn, N. Y.
**Shakespeare Co. ("Shakespeare"), Kalamazoo, Mich.**
Specialty Brass Co. ("Linga" Kerosene), Kenosha, Wis.
**Stromberg Motor Devices Co. ("Stromberg"),** 64 E 25th, Chicago, Ill.
**Sunderman Corp. ("Sunderman"), Newburgh,** N. Y.
**Tillotson Mfg. Co. ("Tillotson"), Toledo, O.**
Tom Thumb Carbureter Co. ("Tom Thumb"), New London, O.
Triumph Motor Car Co., 3308 Sheffield av, Chicago, Ill.
Vincennes Motor Mfg. Co. ("Hunters"), Vincennes, Ind.
Water Gas Carbureter Co., 1504 Grand av, Kansas City, Mo.
**Wheeler-Schebler Carburetor Co. ("Schebler"),** Indianapolis, Ind.
Wilcox-Bennett Carburetor Co. ("Bennett"), 1030 Marshall, Minneapolis, Minn.
Zenith Carburetor Co., ft Hart av, Detroit, Mich.

## 1961— Cardboard

See also Box Board Mfrs.

Agar C. A. & Co. (Mounters), 167 41st, Brooklyn, N. Y.
**Amboy Paper Co. (Bristle), Bridgeport,** Pa.
Am. Coating Mills, Elkhart, Ind.
American Luminous Products Co. ("Radio"), Huntington Park, Cal.
American Wood Board Co., Schuylerville, N. Y.
American Writing Paper Co., Holyoke, Mass.
Blandy Paper Co., Schuylerville, N. Y.
Brown E. M. Paper Co., Rock City Falls, N. Y.
Champion Coated Paper Co., Hamilton, O.
Chicago Mat Board Co., 664 Washington blvd, Chicago, Ill.
**Columbian Paper Co., Buena Vista, Va.**
Contoocook Valley Paper Co., West Henniker, N. H.
Crocker, Burbank & Co., Fitchburg, Mass.
Earl M. J., Reading, Pa.
Falulah Paper Co. (Coated), Fitchburg, Mass.
Fitchburg Paper Co., Fitchburg, Mass.
Garrett C. S. & Son Co., 20 S Marshall, Phila., Pa.
Hampden Glazed Paper & Card Co., Holyoke, Mass.
International Paper Co., 30 Broad, New York
Kalamazoo Paper Co., Kalamazoo, Mich.
Monarch Paper Co., Kalamazoo, Mich.
Regenstein-Veeder Co., 1328 N Halsted, Chicago, Ill.
Riverview Coated Paper Co., Kalamazoo, Mich.
Standard Paper Mfg. Co. (Coated), Richmond, Va. *See adv index at end of book*
Tileston & Hollingsworth Co., 49 Federal, Boston, Mass.

## Card Indexes

See Filing Cabinets & Devices

## 1962— Cards (File)

Cincinnati Tool Co., Norwood, Cincinnati, O.
*See adv index at end of book*
**NICHOLSON FILE CO.** ("Nicholson"), Providence, R. I.
*See adv index at end of book*
Phoenix Hdwe Co., Buffalo, N. Y.
Tragle Mfg. Co. ("I X L"), Reading, Pa.
Watson L. S. Mfg. Co., Leicester, Mass

## 1963—Cards (Horse, Cotton & Wool)

Watson L. S. Mfg. Co. ("Watson"), Leicester, Mass.

## 1964—Cards (Index & Guide)

Boston Index Card Co. (Plain & Celluloid, also Folders), 113 Purchase, Boston, Mass.
Continental Fibre Co., Newark, Del.
Elsinore Paper Co., 131 24th New York
Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.
Goodline Mfg. Co. (All-Metal), Kent, O.
**INDEX VISIBLE, INC.** ("Index Visible," Plain & Celluloid, Visible Card Index System & Equipment), 441 Chapel, New Haven, Conn.
National Fibre & Insulation Co., Yorklyn, Del.
Standard Index Card Co. (Also Celluloid Tipped Guide Cards), 709 Arch, Phila., Pa.

## 1965— Carlines

Chicago Cleveland Car Roofing Co., 80 E Jackson boul, Chicago, Ill.
Cleveland Car Specialty Co. (Pressed Steel), Lakeside opp. E 45th, Cleveland, O.
Federal Railway Supply Co., Knoxville, Tenn.
Pressed Steel Car Co. (Pressed Steel), 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co. (Pressed Steel), 122 S Michigan, Chicago, Ill.

## 1966—Carousels, Organs, Etc.

Dentzel Wm. H., 3641 Germantown av, Phila, Pa.
Health Merry-Go-Round Co., Quincy, Ill.
**Mangels Wm. F. Co., 2863 W 8th, Brooklyn,** N. Y.
Morris E. Joy, 902 Walnut, Phila., Pa.
North Tonawanda Musical Instrument Wks. (also Skating Rinks), N. Tonawanda, N. Y.
Parker C. W. (Jumping Horses), Leavenworth, Kan.
Philadelphia Toboggan Co., 130 E Duval (Gtn), Phila., Pa.

## Carpenters & Builders

See Contractors, Building & General

## Carpeting (Rubber)

See Mats & Matting, Rubber

## 1967—Carriage Calls (Electric)

Betts & Betts Corp., 513 W 42d, New York.
**Edwards & Co., Exterior & 140th, New** York
**Electric Carriage Call & Specialty Co. (For Theatres, etc.), 311 W 40th, New** York
**Norden Elec. Sign Co., 311 W 40th, New** York
**Universal Electric Stage Lighting Co. ("Kliegl"), 240 W 50th, New York**
U. S. E. M. Co., 301 W 37th, New York

## 1968—Carriage Cloth (Rubber & Enamel)

Chase L. C. & Co. (Motor Car), 89 Franklin, Boston, Mass.
*See adv index at end of book*
du Pont Fabrikoid Co. (Rubber), Wilmington, Del.
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
**Heath Edmund F. & Son (Enamel & Rubber), 225 Warren, Newark, N. J.**
Hodgman Rubber Co. (Rubber), 8 W 40th, New York
Landers Bros. Co., Toledo, O.
**Mechanical Fabric Co. (Rubber), 40 Sprague, Providence, R. I.**
O'Bannon Corp., 200 Fifth av, New York
Pocona Rubber Cloth Co., Trenton, N. J.

## 1969— Carriage Cloth (Woolen & Worsted)

**American Mills Co., Rockville, Conn.**
**Fabyan Woolen Co., Stafford Springs, Conn.**
**Glenside Woolen Mills, Skaneateles Falls,** N. Y.
**Harris Emery Co., Penacook, N. H.**
Libbey W. S. Co., Lewiston, Me.
**Neponset Woolen Mills, Canton Junction,** Mass.
**Portland Woolen Mills, Portland, Oregon**
Roy Woolen Co., Watervliet, N. Y.
**Saxton Woolen Co., Norwich, Conn.**
Sayles A. L. & Sons, Pascoag, R. I.
**Slater S. & Sons, Webster, Mass.**
**Stevens M. T. & Sons Co., North Andover,** Mass.
**Talbot Mills, N. Billerica, Mass.**
**Waterloo Woolen Mfg. Co., Waterloo, N. Y.**

## 1970— *Carriage Trimmings

Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*


# CARRIAGE TRIMMINGS

Turned and Twisted Spindles — Also Bent Spindles

Catalog Issued—Get Our Prices

**STEVENSON MFG. CO.**

SOUTH BEND, IND.


## 1971—Carriage Trimmings (Plated)

See also Hardware Manufacturers, Carriage

**Enterprise Brass & Plating Works, 6th &** Baymiller, Cincinnati, O.
**White Mfg. Co. (also Brass), Bridgeport,** Conn.
**Woodruff Walter W. & Sons Co., Mount** Carmel, Conn.

## 1972— Carriages

**See also Carriages classified according to their various kinds; also Carts; Wagons; Automobile Builders, etc.**

### ALABAMA.

ANNISTON—Hale Buggy Mfg. Co.
BIRMINGHAM—Birmingham Buggy Co.
Birmingham Carriage & Wagon Co.
MOBILE—Bloch Brothers
Nack Carriage & Wagon Works

### CALIFORNIA.

FRESNO—Lyons-Morgan Co.
OAKLAND—Sohst John E. W.
SACRAMENTO—Bowman Carriage Co., Sacramento, Cal.
Meister A. & Sons Co.

SAN DIEGO—Tiffany's Carriage Works
SAN FRANCISCO—Grave B. Co., 732 Brannan
Holmes H. E. & Co., 746 Folsom
Neumiller J. & G., 125 Fell
Reutschler Bros., 1767 15th
Studebaker Bros. Co. of Calif., 413 Mission
Schindler H. & Co. (Buggies, Trucks & Wagons), 174 Spear
Wertsch Wm. Co., 24 Page
STOCKTON—Phelan S. F.
Tremain E. E.
VALLEJO—Vallejo Carriage Works

## COLORADO.

COLORADO SPRINGS—Loesch H. C.
DENVER—Copenhaver & Maloy.
Hulen Taylor A. Carriage & Wagon Works
Niederhut Carriage Co.
Orrock Carriage Co.
Pursel & Standley
Standard Carriage Co.
PUEBLO—Jackson George
Morrissey Carriage Co.
Pueblo Carriage Co.

## CONNECTICUT.

BANTAM—Flynn & Doyle Co.
BRIDGEPORT—Hall C. W. Carriage Co. 191 John
Provost C. M.
Bryan & Lutz
HARTFORD—McGurk B. L.
NEW BRITAIN—New Britain Carriage Co.
NEW HAVEN—Armstrong M. Co., 433 Chapel.
Goodrich J. F. & Co. (Buggies, Broughams, Surreys, Victorias)
New Haven Carriage Co.
NEW LONDON—Moran D. E. & J. F.
NORWICH—Scott & Clark Corp'n.
SOUTH NORWALK—Wright Luther M.

## DELAWARE.

EDGEMOOR—Rotthouse Charles A.
WILMINGTON—Bowe Carriage Co.
Cahill & Co.
Cooling Carriage Co.
Guthrie, Jones & Co.

## DISTRICT OF COLUMBIA.

WASHINGTON — Crown J. F. & Son, 2115½ L, N E
McReynolds R. & Sons, 1432 L, N W

## GEORGIA.

ATLANTA—Blount Carriage & Buggy Co.
BARNESVIILE—Franklin Buggy Co.
Summers Buggy Co.
COLUMBUS—Friedlaender Julius & Co.
Miller J. E. & Co.
DUBLIN—Dublin Buggy Co.
EAST POINT—Blount Carriage & Buggy Co. (Surreys & Spring Wagons)
ELBERTON—Aulds J. F. Sons
GAINESVILLE—Bagwell Mfg. Co.
GRIFFIN—Norman Buggy Co.
Empire Buggy Co.
JACKSON—Carmichael Buggy Co.
MACON—Williams Wagon Wks.
SAVANNAH—Chatham Carriage Co.
Hull Vehicle Mfg. Co. (Buggies)
VALDOSTA—South Georgia Buggy Co.

## ILLINOIS.

ALTON—Miller Dan Buggy Co.
AURORA—Frazier W. S. & Co. (Sulkies, Runabouts, Surreys)
Knapp O. P. & Son
BELLEVILLE — Heinzelman Bros. Carriage Co.
Merker & Wirsing
BLOOMINGTON—McKee & Shade
Martens-Leary Co.
BUSHNELL—Ball I. M. & R. E.
CHICAGO—Beyerlein John, W 5626 South Park av
Chicago Coach & Carriage Co., 1223 S Michigan av
Erby Wm. & Sons Co., 121 W Grand av
Herzog Bros., 220 Wendell
Kimball C. P. & Co., 3900 S Michigan av
Landshaft Wm. & Son, 2336 Milwaukee av
Lawder Arthur A. & Sons, 6910 Lafayette
Lindskog Auto Carriage & Wagon Works: 3522 Vinc av
Metzler J. & Sons Co., 158 E Grand av
Seitz Geo., 745 Bowen av
Smith J. C. Co., 58 E 20th
Smith P. & Co., 209 W Austin av
Staver Carriage Co. (Buggies, Storm Buggies, Concord Buggies & Wagons, Phaetons, Runabouts, Surreys), 76th & Wallace
Stone C. & Sons, 1658 Ogden av
DALLAS CITY—Burg L. Carriage Co. (Buggies, Phaetons, Surreys)
DANVILLE—Danville Buggy Co.
Snyder D. D. & Co.
DEKALB—De Kalb Wagon Co. (Carriages or Cabs Storm)
EAST ST LOUIS—Century Mfg. Co.
ELGIN—Van Wambeke H. F. (Runabouts)
FAIRBURY—Fairbury Carriage Co.
FREEPORT—Henney Buggy Co.
Tiger Vehicle Co. (Buggies, Concord Buggies & Wagons, Runabouts, Surreys)
JACKSONVILLE—Hall Bros.
MANTENO—Smith's, H. Sons
MENDOTA—Schaller & Goebel
Sunday & Faber
MOLINE—Henney Buggy Co.
Moline Plow Co. (Buggies, Concord Buggies & Wagons, Surreys)
Sechler D. M. Implement & Carriage Co. (Buggies, Phaetons, Surreys)
Velie Carriage Co. (Buggies, Phaetons, Surreys)
OTTAWA—Formhals & Son
Gay S. G. Co. (Buggies, Phaetons, Stanhopes, Surreys)
QUINCY—Miller E. M. Co. (Coupes, Coaches, Landaus, etc.)
ROCK FALLS—Eureka Co. (Buggies, Storm Buggies, Concord Buggies & Wagons, Surreys)
ROCKFORD—Emerson-Brantingham Co. (Buggies, Buckboards, Storm Buggies, Concord Buggies & Wagons, Phaetons, Runabouts, Surreys)
Neumeister F. P. & Co
Weldon C. J. (Mrs)
ROCK ISLAND—White George Buggy Co. (Buggies, Buckboards, Surreys)
SANDWICH—Walters G.
SPRINGFIELD—Brand August
Davidson H. B.
Withey Bros.
STREATOR—Alliance Mfg. Co.
SYCAMORE—Loptein Bros.
Loptien C. & Sons (Est. of)

## INDIANA.

ANDERSON—Anderson Carriage Mfg. Co. (Buggies)
ATTICA—Leif Buggy Co.
AUBURN—Eckhart Carriage Co., (Buggies, Storm Buggies, Carriages or Cabs Storm, Phaetons, Surreys)
BUTLER—Butler Co., (Buggies, Storm Buggies, Carriages or Cabs Storm, Surreys)
COLUMBIA CITY—Harper Buggy Co., (Buggies, Storm Buggies, Phaetons, Stanhopes, Surreys)
COLUMBUS—Fehring Carriage Co.
CONNERSVILLE—Connersville Buggy Co. (Buggies, Phaetons, Surreys)
Rex Buggy Co., (Buggies, Storm Buggies, Phaetons, Surreys)
ELKHART—Elkhart Carriage & Motor Car Co. (Phaetons)
Noyes Carriage Co., (Buggies, Concord Buggies & Wagons)
EVANSVILLE—Barenfanger C. W., Carriage Works
Hercules Buggy Co.
Lannert Mfg. Co.
Single Center Buggy Co.
FORT WAYNE—City Carriage Works
GOSHEN—Excelsior Buggy Co.
Lewis & Neville Mfg. Co.
HUNTINGTON—Hall Sidney Carriage Works
INDIANAPOLIS—Buchanan Joseph W., 801 E Market
Parry Mfg. Co. (Buggies, Buckboards, Storm Buggies, Concord Buggies & Wagons, Phaetons, Surreys)
JEFFERSONVILLE—Holzbog G. H. & Brother
KNIGHTSTOWN — Knightstown Buggy Co.
KOKOMO—Reiff D. T. (Buggies)
LAFAYETTE—Anderson Peter Co.
LIGONIER—Ligonier Carriage Co., (Buggies, Storm Buggies, Surreys)
Mier Carriage & Buggy Co.
LINNGROVE—Dunbar L. L.
LOGANSPORT—Logansport Carriage Wks
MARIETTA—Pile J. W.
MILTON—Milton Mfg. Co.
MUNCIE—Heckenhauer C. F.
Klopfer Frederick
NEW CASTLE—Rodgers Leonidas (Est. of)
NOBLESVILLE—Hare W. & Son
PRINCETON—Snapp W. L.
RICHMOND—Davis Geo. W. Motor Car Co.
Seidel Buggy Co., (Buggies, Storm Buggies, Concord Buggies & Wagons, Phaetons, Surreys)
SEYMOUR—Ahlbrand Carriage Co., (Buggies, Storm Buggies, Phaetons, Surreys
SOUTH BEND—Colfax Mfg. Co., (Buggies, Surreys, Light Carts)
Studebaker Corporation (Buggies, Buckboards, Concord Buggies & Wagons, Runabouts, Surreys)
TERRE HAUTE—Fouts & Hunter Carriage Mfg. Co. (Buggies)
Hildebrand Buggy & Auto Co.
O'Connell Martin E.
TIPTON—Binkley Buggy Co.
UNION CITY—Ross Carriage Mfg. Co.
Union City Carriage Mfg. Co. (Buggies, Storm Buggies, Phaetons, Surreys)
VINCENNES—Miller's J. F. Sons
WARSAW—Conrad Earl W.

## IOWA.

BURLINGTON—Bennett Carriage Co.
Burlington Buggy Co.
CEDAR RAPIDS—Cedar Rapids Carriage Works
CHARITON—Schreiber Carriage Mfg. Co.
DAVENPORT—Woeber Carriage Works
DES MOINES — Kratzer Carriage Co. (Buggies, Surreys)
Kratzer Carriage Co. (Buggies, Surreys)
DUBUQUE—Cooper A. A. Wagon & Buggy Co., (Buggies, Buckboards, Concord Buggies & Wagons, Phaetons, Runabouts, Stanhopes, Surreys)
GRINNELL — Spaulding Manufacturing Co.
LANSING—Spinner Bros.
WATERLOO—Brown Buggy Co. (Phaetons)
Jerald S. E. Sulky Co.

## KANSAS.

FORT SCOTT—Flickinger & Miller
LEAVENWORTH—Bayer Henry C.
Hesse W. G. & Son Mfg. Co.
TOPEKA—Rehkopf Bros.
WICHITA—Gaiser W. H.
McKenzie M. A.

## KENTUCKY.

CADIZ—Malone Bros. (Buggies)
DANVILLE—Central Kentucky Carriage Co.
HENDERSON—Delker Bros. Buggy Co.
Delker Geo. Co. (Surreys, Phaetons, Driving Wagons, etc)
Henderson Mfg. Co.
LEXINGTON—Baker & Bro.
Wieman H. & Sons
LOUISVILLE—Haller Wagon & Carriage Co.
Richards Albert J., 632 W Jefferson
Ruby Carriage Co.
MADISONVILLE—Jones Buggy Co.
MAYS LICK—Buchanan S. G.
Van Camp & Newdigate
MAYSVILLE—Thompson & McAtee (Buggies)
OWENSBORO—Ames F. A. Co. (Buggies, Phaetons, Surreys)
Owensboro Buggy Co. (Buggies, Phaetons, Stanhopes, Surreys)
Peerless Buggy Co.
PADUCAH—Hardy Buggy Co. (Phaetons)
RICHMOND—Richmond Carriage Works
VERSAILLES—Seller Carriage Co.

### LOUISIANA.

LAKE CHARLES—Lake Charles Carriage & Implement Co.
NEW ORLEANS—Dixie Vehicle Manufacturing Co., Ltd., 721 St. Joseph
O'Connor & Co. (Ltd), 518 Julia
Oster Bros., 1418 Frenchmen
Schwartz J. Co., 548 Baronne

### MAINE.

BANGOR—Brown & White Co.
BAR HARBOR—Davis Bar Harbor Buckboard Co. (Buckboards)
BROOKS—Staples Harry E.
CENTER MONTVILLE—Thomson Volney
FARMINGTON—Pinkham C. A. Carriage Co. ("Concords" & "Beach")
NORTH CHESTERVILLE—Knowles A. E.
Knowlton Harry B.
Lovejoy R. N.
PORTLAND—Bailey F. O. Carriage Co. (Light)
McCann's D. E. Sons

### MARYLAND.

BALTIMORE — Dietrich John H., 3301 Greenmount & Gorshar
Ditch, Bowers & Taylor, Mt. Roy & North
McCormick M. L. & Bro., Penna. av. & Retreat
HAGERSTOWN—Hess Carriage Co.
SPICKLER—Spickler L. A. & Sons

### MASSACHUSETTS.

AMESBURY—Briggs Body Co.
Lane T. W.
Rand W. H.
Shields Carriage Co.
AVON—Collins Bartlett
AYER—Whitney Frederick
BERLIN—Stone H. A. & Co.
BEVERLY—Sawyer E. C.
BOSTON—Adams John E. S., 28 Huneman
Bryant's John Sons, 15 Austin
Colpitts S. B., Alliston
Harrison Robert Co., 330 W 1st S
Kimball Bros. Co., 112 Sudbury
Russ C. & Co., 263 Northampton
Sargent & Ham Co., 26 Bowker
Thomas Chauncey & Co., Blandford
BROOKLINE—Quinlan M. W.
CAMBRIDGE—Henderson Bros.
Ivers F. & Son
Stewart Bros. & Co.
FALL RIVER—Cartier T. N.
Robinson & Smith
FOXBORO—Young Wm. A.
HOLYOKE—Bowler M. J.
LAWRENCE—Kress Bros. Carriage Co.
LOWELL—Sawyer Carriage Co.
MALDEN—Keen W. B. & Son
MEDFORD—Teel Eldridge & Co.
MERRIMAC—Judkins J. B. Co.
NEW BEDFORD—Carroll William A.
NORTH ADAMS—Vadnais E. & Sons
NORTHAMPTON—Desrosier Gilbert
PEABODY—Bolster J. W.
Dole Osgood & Co.
Pike & Whipple Co.
Roome James A.
PITTSFIELD—Pittsfield Carriage Co.
SOMERVILLE—Kiley James A.
SPRINGFIELD—Smith Carriage Co.
TAUNTON—Brownell & Burt, 10 Washington
Peck & White
WOODVILLE—Coolidge Carriage Co.
WORCESTER—Worcester Lunch Car & Carriage Co.

### MICHIGAN.

ANN ARBOR—Ann Arbor Carriage Wks. (Buggies, Surreys)
Wurster E. M.
BIG RAPIDS—La Claire & Eggleston
CALUMET—Kinsman & Wagner
CHELSEA—Faist Adam G.
COLDWATER—Schmedlen W. H.
COLON—Anderson Bros.
DETROIT—Fisher Albert, 460 E Grand blvd.
FLINT—Paterson W. A. Co. (Buggies, Buckboards, Storm Buggies, Concord Buggies & Wagons, Surreys)
GRAND RAPIDS—Michigan Hearse & Motor Co.
HOLLY—Patterson Mfg. Co. (Buggies)
KALAMAZOO—American Carriage Co.
Lull Carriage Co. (Buggies, Buckboards, Concord Buggies & Wagons, Surreys)
LOWELL—Roth J. C.
MARSHALL—Page Bros. Buggy Co. (Buggies, Storm Buggies, Phaetons, Runabouts, Stanhopes, Surreys)
MILFORD—Wakely Archibald S. & Son
MONROE—Ohr F. G.
PONTIAC—Beaudett O. J. Co.
SAGINAW—Beck J. Philip & Son
WAYNE—Prouty & Glass Carriage Co. (Buggies, Buckboards, Concord Buggies & Wagons, Stanhopes, Surreys)

### MINNESOTA.

MINNEAPOLIS—Wallis Coach & Carriage Works, 12 E Grant
ST. PAUL—Schurmeier Wagon Co. (Buggies, Surreys), 9th & B'way
Twin City Carriage Works
WINONA—Winona Carriage Co. (Buggies, Concord Buggies & Wagons, Surreys)

### MISSOURI.

EDINA—Miller Wagon Co. (Buggies, Surreys)
KANSAS CITY—Holcker-Elberg Mfg. Co., 16th & McGee
Weber Carriage Co., Southwest bldg
LEXINGTON—Russell Brothers
PALMYRA—Stuhlman Bros.
ST. JOSEPH—Beardsley Carriage Co.
Karle A.
St. Joseph Buggy Co.
Schmidt D. H. Carriage & Wagon Co.
Tanner Conrad & Sons
ST. LOUIS—Banner Buggy Co. (Buggies, also Concord Buggies & Wagons, Runabouts, Surreys), 11th & Howard
Boettler Fred., 2621 Cass av
Dischert Geo. C. Carriage & Wagon Co., 915 Washington
Haase-Bohle Carriage Co., 3958 Laclede av
Kluegel T. J. Carriage & Wagon Mfg. Co., 827 So Broadway
Kranz Carriage & Wagon Mfg. Co., 3032 Gravois rd
Manley Carriage Co. (Buggies, Phaetons, Runabouts, Stanhopes, Surreys), 1319 N 9th
Maschmeier-Schaefering Carriage & Wagon Co., 2000 N 15th
McCabe-Powers Carriage Co., 1217 N Broadway
Modern Wagon & Carriage Co., 1948 Papin
Moon Bros. Carriage Co. (Buggies, Concord Buggies & Wagons, Phaetons, Stanhopes, Surreys), Gano & McKissock
Moon Joseph W. Buggy Co. (Buggies, Phaetons, Runabouts, Surreys), Main & Douglass
Mound City Buggy & Auto Co., 2007 Locust
Neiner John Carriage Co., 4736 Easton av
Oyler Carriage Co., 120 N 2d
Rapp & Moller Carriage Co., 2220 Pine
Reliance Buggy Co.
Selzer J. M. Carriage & Business Wagon Mfg. Co., 1525 N 14th
Victor Buggy & Auto Top Co., 2615 Pestalozzi
Wittich Hy. Carriage & Wagon Co., 1222 N 7th
Young Wm. Carriage Co., 4524 Delmar av
SEDALIA—Kelk Carriage Works
SPRINGFIELD—Elsey G. E. Carriage Co.

### MONTANA.

BUTTE—Butte Carriage Works
Grady F. M.
Lane Charles W.
GREAT FALLS—Black Eagle Carriage Mfg. Co.

### NEBRASKA.

LINCOLN—Anderson & Christiansen
Camp J. M.
OMAHA—Murphy Andrew & Son
Pfeiffer Wm. Auto & Carriage Works
Simpson A. J. & Son Co.
Wettengel W. & Son

### NEW HAMPSHIRE.

FARMINGTON—Perkins B. F.
HUDSON—Cummings Bros.
LITTLETON—Harris Chas. F. & Co.
MANCHESTER—Dodge S. P. Co.
Kimball Carriage Co.
Sanborn Carriage Co.

### NEW JERSEY.

BURLINGTON—Birch James H.
Columbus Phaeton Co.
CAMDEN—Tiedeken Theo. C. & Bro.
FRENCHTOWN—Weiss & Fritts
HOBOKEN—Kostelecky Joseph
KEYPORT—Tilton & Cherry
MARLBORO—Reid Sidney
MONTCLAIR—Mockbridge Jas. D.
MORRISTOWN—Tunis Barton M.
NEWARK—Ludwig J., 20 Canfield
Merz Bros., 9 Crawford
Post C. M. Co., 227 Halsey
NEW BRUNSWICK—Witty William C.
ORANGE—Orange Carriage Co.
PATERSON—Sowerbutt J. S.
RAHWAY—Terrill Bros.
RIVERTON—Woolston Chas. T.
TRENTON—McCardell J. R. & Co.

### NEW YORK.

BINGHAMTON—O'Neil James
Sturtevant-Larrabee Co.
BRAINERDSVILLE—Lamberton. W. W
BUFFALO—Brunn's Carriage Mfg. Co., 1140 Main
CAMDEN—Boehm C. A. & Son
EASTHAMPTON—Everest W. S.
Gay J. E. & Co.
ELMIRA—Ayres John T.
FAIRPORT—Bown Geo. G. & Sons
GREAT NECK—Schenck Bros.
HOMER—Brockway W. N.
ITHACA—Pritchard & Sons
KINDERHOOK—Brown G. H. & Bro.
LAKE GROVE—Gould G. E.
LOCKPORT—Davis William D.
Taylor W. W.

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Duhamel & Brueckner, 735 Bedford av
Linn V. & Son, 49 Bergen
Romson I. S. Mfg. Co., 740 Grand

#### Boroughs of Manhattan and Bronx.

NEW YORK—Baitelman Samuel, 211 Wooster
Galloway & Wagner, 303 W 53d
Healey & Co., 1658 B'way
McAuliffe & Co., 108 W 53d
Studebaker Corp., 445 B'way
Wittkowsky H., 203 E 88th
NEW ROCHELLE—Kershaw W. B.
ONEIDA—Silver Carriage Co.
OSWEGO—Denton & Son
ROCHESTER—Cunningham Jas. Son & Co.
Faber Sulky Co.
Rehtz F. C.
Rochester Carriage Co.
Sullivan Bros.
SCHENECTADY—Benns & Visscher Co.
Loucks Elmer E.
SIDNEY—Cortland Cart & Carriage Co.
SMITHTOWN BRANCH—Hallock Allanson E.
SYRACUSE—Moyer Harvey A. (Phaetons)
TROY—Clary Bros.
Troy Carriage Works (Buggies, Broughams, Surreys, Victorias)
WATERTOWN—Babcock H. H. Co. (Buggies, Phaetons, Surreys, Victorias)
Excelsior Carriage Co.
WATERVLIET—Richenecker Chas. G.
WATERLOO—Waterloo Wagon Co., Ltd.
YONKERS—Chadburn M. J.

### NORTH CAROLINA.

CARTHAGE—Tyson & Jones Buggy Co. (Buggies, Surreys, Victorias)
DURHAM—Durham Buggy Co.
ELIZABETH CITY—Elizabeth City Buggy Co.
ELKIN—Elkin Buggy Co.
GREENVILLE—Flanagan John Buggy Co.
HENDERSON—Capital Buggy Co.
Carolina Buggy Mfg. Co.
Corbitt Buggy Co.
Henderson Buggy Mfg. Co.
HIGH POINT—High Point Buggy Co.
KINGSTON—Ellis Carriage Works
Whitfield J. T.

LEAKSVILLE—Hampton J. H. Buggy Co.
MOUNT AIRY—Mount Airy Buggy Co.
OXFORD—Oxford Buggy Co.
Taylor-Cannady Buggy Co.
SANFORD—Sanford Buggy Co.
WASHINGTON—Washington Buggy Co.
WHITE PLAINS—White Plains Buggy Co.

## OHIO.

ALLIANCE—Wallace A. D.
BLOOMVILLE—Cook Carriage Co.
BUCYRUS—Ruhl Geo. S.
CANTON—Canton Buggy Co.
Motter Jacob & Son
Schellhase J. H.
CELINA—Cron Wm. Sons Co.
CINCINNATI—Acorn Buggy Co. (Phaetons), 5th & Eggleston av
American Carriage Co. (Buggies, Phaetons, Runabouts, Surreys), 1275 Budd
Armstrong A. Co. (Buggies, Phaetons, Surreys, Cabriolets, Victorias, etc), 719 State av
Behlen Chas. Sons Co., 15th & Vine
Brown Carriage Co. (Buggies, Jump Seat Buggies, Storm Buggies, Phaetons, Surreys), 1630 Gest
Eagle Carriage Co., 1630 Gest
Enger Frank J. (Buggies, Phaetons, Runabouts, Surreys), Marion & Dakota av, Avon
Hickory Carriage Co., Spring Grove av & Rawson
Kleine & Daumeyer, 14 W 12th
Lion Buggy Co. (Buggies, Concord Buggies & Wagons, Runabouts, Surreys), C. H. & D. R. R., near Best
Louis J. H. Carriage & Wagon Co., 314 W Court
Luth Carriage Co. (Buggies, Concord Buggies & Wagons, Phaetons, Runabouts, Stanhopes, Surreys), 1275 Budd
Murray Wilber H. Mfg. Co., 5th & Eggleston av
Ostholthoff & Braukmann, 42 W McMicken av
Phoenix Carriage Co. (Phaetons), 901 Evans
Sayers & Scovill Co. (Buggies, Storm Buggies, Concord Buggies & Wagons, Phaetons, Stanhopes, Surreys), Gest
Schneider John A. & Co., 3717 Colerain av
Smith-Eggers Co., Court, bet B'way & Sycamore
Trailmobile Co., 5th & Culvert
Welland Co., 2414 Gilbert av
CIRCLEVILLE—Colonial Carriage Co. (Buggies, Storm)
CLEVELAND—Black P. F. Co., 2361 E 14th
Gabriel W. H. Carriage & Wagon Co., 315 Prospect av, N W
Hanger C. F. Co., 6520 Carnegie av
Hayes R. L. & M. H.
Schaefer Gustav Wagon Co., 4180 Lorain av
Scranton Ave. Carriage & Wagon Works, 2339 Scranton rd
Warden George J. & Co., 6530 Carnegie av
Woltman Carriage & Wagon Co., Woodland av
COLUMBIANA—Zimmer & Harman
COLUMBUS—Anderson Carriage Co.
Hayes R. L. & M. H., 203 E Town
Ohio Carriage Mfg. Co., S High
Peters Buggy Co. (Buggies, Storm Buggies, Phaetons, Runabouts, Surreys), 330 W Spring
Poste Bros. Buggy Co., Jefferson & Curtis avs
U. S. Carriage Co., 319 S Fourth
Warren & Southwick Carriage Co., 337 Cleveland av
COSHOCTON—Stewart J. R.
CRESTLINE—Holcker Bros. Buggy Co. (Buggies, Storm Buggies, Phaetons, Stanhopes, Surreys)
DAYTON—Borchers Carriage & Auto Co.
DEFIANCE—Defiance Carriage Co. (Phaetons)
DOVER—Toomey S. Co.
FINDLAY—Findlay Carriage Co.
FOSTORIA—Eissler J. Fred.
GALION—Howard A. (Buggies, Phaetons, Runabouts, Surreys)
Kunkel Carriage Works
Plack Carriage Wks.
GREENFIELD—Patterson C. R. & Sons
HAMILTON—Heck Motor Car Co.
Schweizer John
HILLSBORO—Carroll M. F. & Sons Co.
IRONTON—Ketter Buggy Co.
Phillips Buggy Works
Willis W. M. Carriage Works
JERSEY—Harrison Bros. & Co.
KENTON—Kaiser H. Buggy Co.
Kenton Carriage Co.
LIMA—Owen Brothers
LISBON—Adams John Q. Carriage Co.
LONDON—Jones C. T. & W. A.
MANSFIELD—Herring Buggy Co.
MARIETTA—Kelly J. W. & Son
MARION—Cull Wm. & Sons
Houghton Sulky Co.
McMurray Sulky Co.
MARYSVILLE—Leader Buggy Co.
MECHANICSBURG—Culbertson Bros.
MIDDLEPORT—Faehnle J. Sons
NEW WATERFORD—Koch Bros. Co.
PIQUA—Enterprise Carriage Works
PLYMOUTH—Webb J. W.
POMEROY—Blaettnar's M. Sons
PORT CLINTON—Port Clinton Buggy Co.
RAVENNA—Riddle Coach & Hearse Co.
ROCKFORD—Lloyd J. E. & Sons
ST. MARY'S—Makley Bros.
ST. PARIS—Wal-Rike Pony Vehicle Co.
SANDUSKY—Klenk Martin
SHELBY—Shreffler S.
SIDNEY—Crozier & Son (Buggies)
Miller & Smith
SPRINGFIELD—Fehl Henry
Rathbun P. T. & Co.
STEUBENVILLE—Workman James & Son (Buggies)
TIFFIN—Smith & Schwartzbeck
URBANA—Aughenbaugh B. A.
Dimond J. H. E. & Son
Gaumer E. B. & Sons
WADSWORTH—Stevenson E. D. (Buggies)
WAPAKONETA—Kreitzer Buggy Co.
WARREN—Morgan & Williams Co.
Riverside Carriage Co.
WAYNESBURG—Waynesburg Carriage Co.
WOOSTER—Gerstenslager Co. (Buggies)
YOUNGSTOWN—Youngstown Carriage Co.

## OKLAHOMA.

MUSKOGEE—Lantz W. R. Mfg. & Supply Co.
OKLAHOMA—Oklahoma Carriage Works

## OREGON.

PORTLAND—Columbia Carriage & Auto Works

## PENNSYLVANIA.

ALLENTOWN—Wolf Wm. (Est. of)
COOPERSBURG—Kern S. Y. & Son
EAST DOWNINGTON—Armour Judson
EASTON—Hill Clemens F.
ELIZABETHVILLE—Swab Carriage Co.
EPHRATA—Martin J. Diller
EVANS CITY—Laderer W. C. Carriage Co.
FRANKLIN—Myers Carriage Co.
GOODVILLE—Kramer I. Newton
GROVE CITY—McKay Carriage Co.
HAMBURG—Scott & Kemmerer
HARRISBURG—Redmond A.
Sefton Carriage Works
HONESDALE—Hermann M. & Son
LANCASTER—Nolty Henry, Jr.
LITTLESTOWN—Mehring S. D.
MIFFLINBURG—Gutelius John & Son
Hopp Carriage Co.
MOUNT JOY—Schutte Wm. H.
MOUNT PLEASANT—Galley Bros.
NEW HOLLAND—Groff & Weaver
Roseboro Chester E.
OAK BOTTOM—Groff Aaron
OGONTZ—William Harry & Son
ORRSTOWN—Wise's Samuel B. Sons
PALMYRA—Miller Jacob
PERKASIE—Weisel Milton T.
PHILADELPHIA—Caffrey J. H., 1712 Fairmount
Geissel A. & Sons, 485 N 3d
Gregg Wm. D. Rogers Co., 1926 Arch
Kelly John C. & Sons, 5215 Gtn av
Petzelt & Keyser, 24th & Locust
Rech-Marbaker Co., 8th & Girard av
Sowney Bros., 1204 Frankford
Wenkenbach's Wm. Sons, 1314 Germantown av
Wolfington's Alex. Son, 8 N 20th
PITTSBURGH—Giesenkamp L. E., 319 Liberty
McClinton & Co., 309 Sandusky
West Co., 4017 Liberty av
QUARRYVILLE—Hess Daniel T.
READING—Biehl's Carriage & Wagon Works
Hain Geo. M.
Wetherhold W. W.
REYNOLDSVILLE—Deible H. C.
SCRANTON—Gould A. R. & Sons
SHIPPENSBURG—Thush Herbert
SPRINGBORO—Graves L. C. & Co.
STRASBURG—Brackbill T. L.
STROUDSBURG—Staples & Hartman
TAMAQUA—Becker Christian
UNIONTOWN—Howard J. M. & Sons
WASHINGTON—Jackson Repairing Co.
WILKES-BARRE—Wilson J. Frank Co.
WILLIAMSPORT—Gohl Christian & Sons
YORK—Martin Carriage Works (Phaetons)
ZELIENOPLE—Laderer W. C. Carriage Co.

## RHODE ISLAND.

PAWTUCKET—McCabe Bernard Carriage Co.
PROVIDENCE—Bernier Napoleon M., 46 Point
Howe H. M. Co., 417 Fountain

## SOUTH CAROLINA.

SPARTANBURG—Spartan Wagon & Buggy Co.

## SOUTH DAKOTA.

SIOUX FALLS—Olson & Detlie Carriage Co.

## TENNESSEE.

BROWNSVILLE—Pracht John C.
CHATTANOOGA—Chattanooga Buggy Co.
Fassnacht A. & Sons
Fuller Auto & Wagon Wks. (Buggies)
CLARKSVILLE—Harrison D. A.
KNOXVILLE—Moore L. F. Carriage Co.
MEMPHIS—Dix John C. Son & Co.
Lilly Carriage Co.
Schley Carriage & Wagon Co.
MORRISTOWN—Carver Wagon Co.
MURFREESBORO—Walter G.
NASHVILLE—Allen Bros.
Robinson-McGill Carriage Co.
Vogely & Todd
PULASKI—Harris R. H. & Sons
SHELBYVILLE—Robinson-McGill Hardware Co. (Buggies)

## TEXAS.

BEAUMONT—Southern Carriage Works
DALLAS—Monschke & Co.
Young Wm. F.
HOUSTON—Model Carriage Co.
Mosehart & Keller Co.
WACO—Hopkins Patrick F. (Est. of)

## VERMONT.

BELLOWS FALLS—French G. N. & Son
BRATTLEBORO—Rockwell & Sherwin
BURLINGTON—Smith Wm. (Est of)

## VIRGINIA.

LYNCHBURG—Harris Carriage Co.
Hughes Buggy Co.
NEW MARKET—Clinedinst Jno. W.
NEWPORT NEWS—Miller & Gleason
NORFOLK, VA.—Wrenn A. & Sons (Buggies)
RICHMOND—Gross Conrad
Richardson Bros.
SOUTH BOSTON—Barbour Buggy Co.
Harrell R. A. Buggy Co.
WINDSOR—Bailey C. W. & Son

## WASHINGTON.

SEATTLE—Modern Carriage Co.
Pacific Wagon & Carriage Co.
Pioneer Carriage Co.
Star Carriage Co.
West Street Carriage Co.

## WEST VIRGINIA.

PARKERSBURG—Logan Carriage & Auto Co.
WHEELING—Morgan Carriage Co.
Waltz & Co., 2110 Main

CARRIAGES—continued

**WISCONSIN.**

APPLETON—Milhaupt Co.
BOSCOBEL—Ruka Bros. Mfg. Co. (Ltd.)
EAU CLAIRE—Bonell William
FOND DU LAC—Anderson Vehicle Co.
FORT ATKINSON—Northwestern Mfg. Co. (Buggies, Concord Buggies & Wagons, Phaetons, Runabouts, Surreys)
GREEN BAY—Green Bay Carriage & Wagon Co.
JANESVILLE—Janesville Carriage Works
LA CROSSE—Voigt F.
MEDFORD—Wesle Bros.
MILWAUKEE—Grede Geo. & Bro. Co., 248 Reed
Kaestner August J., 412 Cedar
North Side Carriage Works
Schielke & Blommer, 327 5th
Sherin W. R. Co., 547 Edison
MONROE—Fitzgibbons Bros.
NEENAH—Bergstrom C. H.
OSHKOSH—Neville T.
SHEBOYGAN—Jung Carriage Co.
WAUPUN—Morris J. S.

## 1973— Carriages (Children's)

Adams Carriage Co., Dover, O.
Am National Co. (Also Doll Carriages), Toledo, O.
**Bloch Go-Cart Co. (Go-Carts), 1136 N** American, Phila., Pa.
Capital Rattan Co., Indianapolis, Ind.
Carriage & Toy Co. (Carriages & Go-Carts), 741 W Lombard, Baltimore, Md.
Carter & Campbell, Winchendon, Mass.
Chicago Reed Ware Co., 1523 Carrol av, Chicago, Ill.
Children's Vehicle Corp., East Templeton, Mass.
Collier-Keyworth Co. (Collapsible Go-Carts), Gardner, Mass.
Coulter's Rattan Wks., 1141 Sutter, San Francisco, Cal.
Crosby Mfg. Co., Frenchtown, N. J.
Embossing Co. (Carioles), Albany, N. Y.
Ficks Reed Co. (Collapsible Go-Carts), 424 Findlay, Cincinnati, O.
Field C. R. Mfg. Co., Greenfield, Mass.
Fulton Mfg. Co. (Go-Carts), 130 N. Wells, Chicago, Ill.
Garrett Go Cart & Carriage Co. (Go-Carts & Carriages), 1728 Arcade pl, Chicago, Ill.
Gendron Wheel Co. ("Gendron"), Toledo, O.
Glascock Bros. Mfg. Co., Muncie, Ind.
Hartshorn C. H., Gardner, Mass.
Heywood Bros. & Wakefield Co. (Also Go-Carts), Gardner, Mass.
Kelly Bros., Gardner, Mass.
Kurtz N. M. Rattan Co. (Also Go-Carts), 155 Valencia, San Francisco, Cal.
Lloyd Mfg. Co., Menominee, Mich.
Mays Rattan Works, 3347 N Clark, Chicago, Ill.
Mecky A. Co., 1705 W Allegheny, Phila., Pa.
Meinecke Mfg. Co., Richards, Milwaukee, Wis.
Menke Chas., 535 E 15th, New York
Metal Stamping Corp. (Go-Carts), Streator, Ill.
Newark Go-Cart Mfg. Co., 199 Washington, Newark, N. J.
Pahl E. F. & Co., 1032 3d, Milwaukee, Wis.
Paris Mfg. Co., South Paris, Me.
Platt Geo. A., 489 5th av, Brooklyn, N. Y.
Ramsdell, L. B. Co. (Chairs & Go-Carts), Gardner, Mass.
Rattan Mfg. Co. (Doll), New Haven, Conn.
Rich Bros., 7 E Pratt, Baltimore, Md.
Rieber L. & Co., 16 N 4th, Phila., Pa.
**Sidway Mercantile Co. ("Allwin" & Sidway Collapsible; also Stationary), Elkhart, Ind.**
Sturgis Steel Go-Cart Co. (Go-Carts), Sturgis, Mich.
Thayer H. N Co. (Carriages & Go-Carts), Erie, Pa.
Toledo Metal Wheel Co., Toledo, O.
Travers Mfg. Co. (& Chairs), E Templeton, Mass.
**Uhlen Carriage Co. (Carriages & Go-Carts), Rochester, N. Y.**
**Wagner E. R. Mfg. Co. ("Wagner" Quick Folding Go-Carts), North Milwaukee, Wis.**
Waite Chair Co., Baldswinville, Mass.
**Walker Chas. T. & Co., 716 W North av,** Chicago, Ill.
Wenkenbach's Wm. Sons (Go-Carts), 1314 Germantown av, Phila., Pa.
Whitney F. A. Carriage Co. (Also Go-Carts and Folding Go-Carts), Leominster, Mass.
Whitney Reed Corp. (Also Go-Carts), Leominster, Mass.
**Withrow Mfg. Co. ("Oriole," "Go-Basket"),** 2727 Spring Grove av, Cincinnati, O.

## 1974— Carriages (Gun)

Bethlehem Steel Co. (Steel), South Bethlehem, Pa.
Builders' Iron Foundry Co. ("Builders"), 9 Codding, Providence, R. I.
Lucey Foundry & Machine Co., Chattanooga, Tenn.
**MORGAN ENGINEERING CO.** Alliance, O.
*See adv index at end of book*
O. *See adv index at end of book*
Poole Engineering & Machine Co. (Barbelle & Disappearing), Woodberry Station, Baltimore, Md.

## 1975— Carriages (Saw Mill)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**American Saw Mill Machinery Co., Hackettstown, N. J.**
Clark Bros. Co., Olean, N. Y.
**Diamond Iron Works, 2d & 18th av N, Minneapolis, Minn.**
Filer & Stowell Co., Milwaukee, Wis.
Frick Co., Waynesboro, Pa.
Garland M. Co., Bay City, Mich.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Ireland Machine & Foundry Co., Norwich, N. Y. *See adv index at end of book*
Lane Mfg. Co., Montpelier, Vt.
McDonough Mfg. Co., Eau Claire, Wis.
Memphis Machine Works, Memphis, Tenn.
Murray D. J. Mfg. Co., Wassau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machy. Co., Erie, Pa.
Stearns Co., Erie, Pa.
Union Iron Works, Bangor, Me.
**Wheland Co., Chattanooga, Tenn.**
Yates P. B. Machine Co., Beloit, Wis.

## 1976— *Carriages (Tension)

**LINK-BELT COMPANY,** 329 W 39th Chicago, Ill., & Hunting Park av. & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

## 1977— *Carriers (Acid Phosphate)

Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio. *See adv index at end of book*
**LINK-BELT COMPANY,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

## 1978—Carriers (Aerial Cable)

Standard Store Service, Inc., Hartford, Conn.

## 1978a— Carriers (Ash Can)

McCabe Hanger Mfg. Co., 426-428 W 25th, New York. *See adv index at end of book*

## 1979— *Carriers (Barbed Wire)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

## 1979a— *Carriers (Bagasse)

**FULTON IRON WORKS CO.,** St. Louis, Mo. *See adv index at end of book*

## Carriers (Bucket)

See Elevators, Bucket

## 1980—Carriers (Can & Bag, Street Sweeping)

Hvass Chas. & Co., 511 E 18th, New York
Rochester Can Co. ("Iron Horse" Galvanized Cans for Street Cleaning), Rochester, N. Y.
*See adv index at end of book*
Steel Basket Co., Cedar Rapids, Ia.
Wirt & Knox Mfg. Co. ("20th Century"), **23d & York, Phila., Pa.**

## 1980a— *Carriers (Cane)

**FULTON IRON WORKS CO.,** St. Louis, Mo. *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av, & P. & R. Ry, Philadelphia, Pa.
*See adv index at end of book*

## 1981—Carriers (Canteen, Axe, Etc.)

Boyle Mfg. Co., 5100 Sante Fe av, Los Angeles, Cal.
Mills Woven Cartridge Belt Co., Worcester, Mass.

## 1982— Carriers (Carboy)

Lansing Co. ("Handy"), Lansing, Mich.

## 1983— Carriers (Cash)

Baldwin Jas. L. & Co. ("Baldwin" Cash & Parcel), 350 W Madison, Chicago, Ill.
Burgess Machine Co. (also Bundle Carriers), New Haven, Conn.
**LAMSON CO. (also Package Carriers), 100 Boylston, Boston, Mass.**
Universal Tuge Co., 321 W Ohio, Chicago, Ill.

## 1984— Carriers (Change)

McGill Metal Products Co. ("High Speed" "McGill"), 1640 Walnut, Chicago, Ill.

## 1984a— Carriers (Curtain)

McCabe Hanger Mfg. Co., 426-428 W 25th, New York. *See adv index at end of book*
Motor Products Corp., Mack & Outer Belt Line, Detroit, Mich.

## 1985— Carriers (Egg)

Continental Paper Bag Co., 17 Battery pl, New York.
National Egg Carrier Co. (Steel Carrier), Council Bluffs, Ia.
Quincy Egg Carrier Co., Quincy, Ill.
Star Egg Carrier & Tray Mfg. Co., Rochester, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass.
*See adv index at end of book*

## 1986—Carriers (Feed & Litter)

Automatic Carrier Co. ("Stayon"), Juneau, Wis.
Dick Jos. Mfg. Co. ("Blizzard," "Crescent"), Canton, O.
Drew Carrier Co., Waterloo, Wis.
Galloway Wm. Co., Waterloo, Ia.
Glor Bros. & Willis Mfg. Co. ("Glor," "New Modern"), Attica, N. Y.
Hackney Mfg. Co., St. Paul, Minn.
Harris Mfg. Co., Salem, O.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
James Mfg. Co., Fort Atkinson, Wis.
**Libby C. A: Co., Oshkosh, Wis.**
Louden Machinery Co. ("Emancipator," "High Lift," "Standard," "Quick Out," "Self Acting," Double End," "Adjustable," Wire Track & Side Dump), Fairfield, Iowa
**Miller & Hoy Mfg. Co. ("M. & H.") Wauseon, O.**
Milwaukee Hay Tool Co. ("Leader" Steel Track & Wire Cable), **Layton Park, Milwaukee, Wis.**
Moyer Mfg. Co. (Rod & Solid Track), Montevideo, Minn.
Olson Mfg. Co. ("Advance"), Albert Lea, Minn.
Owantonna Mfg. Co. ("Winner"), Owantonna, Minn.
**Porter J. E. Co. ("Porter") Ottawa, Ill.**
Rassmann F. Mfg. Co. ("Simplex"), Beaver Dam, Wis.
Ricker Mfg. Co., Rochester, N. Y.
Rock Island Plow Co. ("Great Western"), Rock Island, Ill.
Savage W. J. Co., Knoxville, Tenn.
Smith Mfg. Co., 161 W Harrison, Chicago, Ill.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.
Warsaw-Wilkinson Co. ("Climax"), Warsaw, N. Y.
**Whitaker Mfg. Co. ("Jarvis"), 409 S Green, Chicago, Ill.**

## 1987— Carriers (Game)

trauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.
Buchheimer Geo. H., 1004 Rutland av, Baltimore, Md.
Perfection Mfg. Co., St. Louis, Mo.

## Carriers (Gravity)

See Conveyors, Gravity

## 1988— Carriers (Hay)

See also Tools, Haying

**Appleton Hay Tool Co. ("Appleton," "Eagle," "Samson"), Appleton, Wis.**
**Beitrich C. F., Bryan, O.**
**Farrell John, Newton, N. J.**
**Goshen Mfg. Co. ("Boyers," "Hercules," "Death Grip," "Goshen"), Goshen, Ind.**
**Hackney Mfg. Co. ("Law"), St. Paul, Minn.**
**Hunt-Helm-Ferris & Co. ("Star," "Peerless," "Elephant," "Harvard," "One-Way," Sling, Swivel & Reversible), Harvard, Ill.**
**Jackson-Byron Iron Works ("Walker"), Berkeley, Cal.**
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Jordan, R. C., Ottawa, Ill.
**LINK-BELT CO.** (For Conveying & Piling Hay in Bales), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
**Louden Machinery Co. ("Jewell," "Royal," "Victor," "Louden's," Duplex, Cable, Reversible, Junior & Sling, "Universal Sling," "Automatic Sling," "Iowa Sling"), Fairfield, Ia.**
McCabe Hanger Mfg. Co., 426-428 W 25th, New York. *See adv index at end of book*
**Milwaukee Hay Tool Co. ("Boomer Swivel," "Leader," Rod or Cable, etc.; "Milwaukee," Reversible & Swivel, Wood & Steel Track, etc.), Layton Park, Milwaukee, Wis.**
**MYERS F. E. & BRO.** ("Myers" Unloading for Double Steel Track, Wood Track, Cable Track & Cable Draft Rope; "Cloverleaf" Unloader, "Sure Grip" Unloader, "O. K." Unloader, "Faultless" Unloader, "Imperial" Unloader & "Haymaker" Unloader, Cross Draft Right Angle Triple Hoist, 900 Fourth, Ashland, O.
*See adv index at end of book*
**Ney Mfg. Co. ("Genuine Ney"), Canton, O.**
Ney V. L. Hay Tool Co., Canton, O.
**Olson Mfg. Co. ("Advance"), Albert Lea, Minn.**
**Porter J. E. Co. ("Barnes," "Meadow King," "Meadow Queen," "Porter," "Porter's Columbian," "Champions" Reversible, Sling & Swivel & "Prairie Queen" Steel Track), Ottawa, Ill.**
**Ricker Mfg. Co. ("Rochester" Wood or Steel Tracks), Rochester, N. Y.**
Strickler Hay Tool Co. ("Strickler," "Boss" "Deadlock," "Janesville," "Rock River" Steel & Wood Track), Janesville, Wis.
Swineford G. A. Co. ("Swineford"), Canton, O.
Syracuse Chilled Plow Co. ("Syracuse"), Syracuse, N. Y.
Whitaker Mfg. Co. ("Sterling," "Jarvis"), 409 S Green, Chicago, Ill.

## 1989— Carriers (Mail)

Lamson Co. (Automatic Pick Up & Delivery Systems to Handle Mail, Bills, Documents, etc), 100 Boylston, Boston, Mass.

## 1990—Carriers (Merchandise)

See also Conveyors, also Trolleys & Trolley Tracks, Overhead

**Allith-Prouty Co. ("Allith" Overhead Tracks), Danville, Ill.**
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Auto Bed Camp Mfg. Co., 1504 Grand av, Kansas City, Mo.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Gemco Mfg. Co. (Luggage), 742 S Pierce, Milwaukee, Wis.
Haslett Spiral Chute Co., 2008 W Madison, Phila., Pa.
*See adv index at end of book*
**Howe Scale Co., of Illinois, 1315 S Wabash av, Chicago, Ill.**
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Hunt-Helm-Ferris & Co. ("Star"), Harvard, Ill.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
**LAMSON CO.** (Parcel, Cash, etc., for Stores & Industrial Plants), 100 Boylston, Boston, Mass.
**LINK-BELT COMPANY,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
**MYERS F. E. & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*
New York Pneumatic Service Co., 15 W 44th
Ney Hay Tool Co., Canton, O.
Reed Co. Inc. (Electrically Welded Bicycle), Palo Alto, Cal.
Ricker Mfg. Co., Rochester, N. Y.
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York.
*See adv index at end of book*
Taylor Jas. L. Mfg. Co. (clamp), Poughkeepsie, N. Y.

## 1991—Carriers (Milk Bottle)

Andrews Wire & Iron Works, Rockford, Ill.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O.
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
Parker Wire Goods Co. (Wire & Flat Steel), Worcester, Mass.
Sharlow Bros. Co., 442 W 42nd, New York.
Smith Jno. P. & Co., New Haven, Conn.
United Steel & Wire Co., Battle Creek, Mich.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Woods-Sherwood Co. (Wire), Worcester, Mass.

## 1992— Carriers (Milk Can)

Harris Mfg. Co., Salem, O.
James Mfg. Co., Fort Atkinson, Wis.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*

## 1992a— Carriers (Parcel—Luggage)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
New York Pneumatic Service Co., 15 W 44th
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 1993—Carriers (Self-Feeder, Wing)

**Carpenter Wing Carrier Mfg. Co. ("Carpenter"), 473 Cleveland, St. Paul, Minn.**
Fosston-Carpenter Co., St. Paul, Minn.

## 1994— Carriers (Trace)

Elbel Co., Canton, Ohio
**Frazer & Jones Co. ("Cooper" Patn., "Reynolds" Patn., also Hip Drop), Syracuse, N. Y.**
**North & Judd Mfg. Co. ("Wilson," "Knapp," "Lincoln," "Cooper" Patn., "Calif." Patn., "Nubritain," "Security," etc), New Britain, Conn.**

## 1994a— Cars (Air Dump)

Kilbourne & Jacobs Mfg. Co., Columbus, O.
Magor Car Corp., 30 Church, New York
Russell Wheel & Fdy. Co., Detroit, Mich.
Western Wheel Scraper Co., Aurora, Ill.

## 1994b—*Cars (All Around Dump)

**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*

## 1994c—Cars (Annealing Furnace)

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND, OHIO, U.S.A.

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 1995— *Cars (Asphalt)

Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*

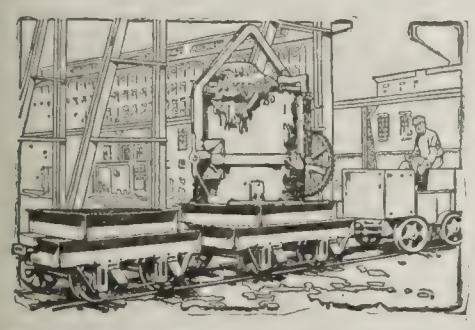
## 1995a— Cars (Automatic)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 1996—Cars (Automatic Air Dump)

Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
**KILBOURNE & JACOBS MFG. CO.,** ("K. & J."), Columbus, O.
*See adv index at end of book*

EASTON INDUSTRIAL RAILWAY CARS



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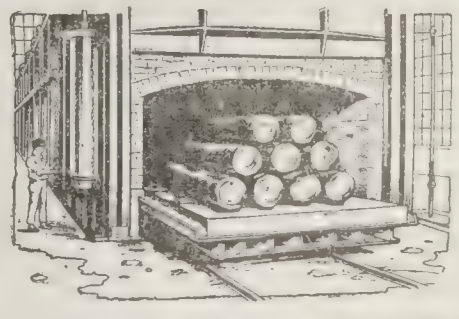
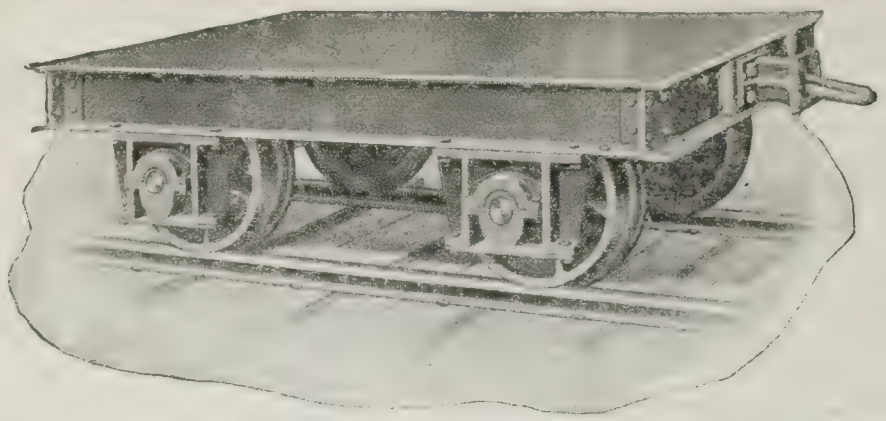


EASTON CAR & CONSTRUCTION CO., 198 Fulton St., NEW YORK



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ROAD BUILDING MACHINERY
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## 1997— Cars (Ballast)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Clark Car Co., 1624 Oliver bldg., Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Magor Car Corp., 30 Church, New York
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Rodger Ballast Car Co. ("Hart" Convertible), Railway Exchange bldg, Chicago, Ill.
Western Wheeled Scraper Co. (Bottom & Side Dump), Aurora, Ill.

## 1998— Cars (Barney)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

## 1999— Cars (Billet)

Akron Cultivator Co., Akron, O.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
15 Center Square, Easton, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
*See adv index at end of book*
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*
**Hunt C. W. Co., West New Brighton, N. Y.**
*See adv index at end of book*
**Jackson Mfg. Co., Harrisburg, Pa.**
Magor Car Corp., 30 Church, New York
**Taylor-Wilson Mfg. Co., McKees Rocks,** Pa.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Youngstown Steel Car Co., Niles, O.

## 2000— Cars (Boiler Room)

**CHASE FOUNDRY & MFG. CO.,** 2700 Parsons av, Columbus, O.
*See adv index at end of book*
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*
**HUNT C. W. CO.,** West New Brighton, N. Y. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P R Ry., Phila., Pa. *See adv index at end of book*

## 2001— Cars (Bonding)

Electric Railway Improvement Co. (Portable for Rail Bonding), 2070 E. 61st pl, Cleveland, O.

## 2001a—Cars (Bottom Dump)

See also Cars; also Drop Bottom; also Cars, Dumping

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

The LAKEWOOD ENGINEERING Co.
CLEVELAND. OHIO U.S.A

## 2002— Cars (Brick & Clay)

See also Trucks, Brick

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Clay Machinery Co. (Steel & Wood), S Walnut, Bucyrus, O.
*See adv index at end of book*
Anderson Foundry & Machine Works, Anderson, Ind.
Arnold-Creager Co., New London, O.
Bonnot Co., Canton, O.
Chambers Bros. Co., 52d, below Lancaster av, Phila., Pa.
Chase Foundry & Mfg. Co., 2700 Parsons av., Columbus, O.
*See adv index at end of book*
Continental Car Co. of America, Louisville, Ky.
Desmond M. Mfg. Co., Edwardsville, Ill.
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Freese E. M. & Co., Galion, O.
Fulton Pit Car Co. (Clay), Canal, Fulton, O.
Globe Machinery & Supply Co., Des Moines, Ia.
Helmick Fdry. & Machine Co., Fairmont, W. Va.
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
International Clay Machinery Co., Dayton, O.
Jackson & Church Co., Saginaw, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*
Magor Car Corp., 30 Church, New York
Ralston Steel Car Co., Columbus, O.
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Sharp Mfg. & Supply Co., New Phila., O.
Steele J. C. & Sons, Statesville, N. C.
Stuart Robt. J. & T. H., New Hamburg, N. Y.
Truax Mfg. Co., Denver, Colo.
United Iron Works Co., Inc., Kansas City, Mo.
Wellington Machine Co., Wellington, O.
Youngstown Steel Car Co., Niles, O.

## 2002a— Cars (Brick Dryer)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

The LAKEWOOD ENGINEERING Co.
CLEVELAND. OHIO U.S.A

## 2003— Cars (Bridge & Gang)

Buda Co., Railway Exchange bldg, Chicago, Ill.
Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.

## 2004—Cars (Cable & Messenger)

Bissell F. Co. ("Security"), Toledo, O.
Fairmount Electric & Mfg. Co. ("Aero"), 59th & Woodland av, Phila., Pa.

## 2005— Cars (Caboose)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Georgia Car & Locomotive Co., Atlanta, Ga.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Russell Car & Snow Plow Co., Ridgway, Pa.
Western Steel Car & Foundry Co., Peoples Gas bldg, Chicago, Ill.

## Cars (Cane)

See Cars, Plantation

## 2006— Cars (Canopy)

Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Ramapo Iron Works, Hillburn, N. Y.
Steel Car Co., Euclid, O.

## 2006a— *Cars (Cement)

**EASTON CAR & CONSTRUCTION CO.** 198 Fulton, New York
*See adv index at end of book*

## 2006b— *Cars (Charcoal)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2007— Cars (Charging)

Akron Cultivator Co., Akron, O.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
**BIEHL IRON WORKS, INC.,** Reading, Pa.
*See adv index at end of book*
**Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.**
**CHASE FOUNDRY & MFG. CO.,** 2700 Parsons av, Columbus, O.
*See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Denver Engineering Works Co., Denver, Colo.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**Hunt C. W. Co. (Coal), West New Brighton, N. Y.** *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (coal), Columbus, O. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*
Lindsay W. W. & Co. (For Steel Plants), Harrison bldg, Phila., Pa.
**LINK-BELT COMPANY** (Drop Sides, etc), 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Magor Car Corp., 30 Church, New York
Mesta Machine Co. (Charging Box), Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
**Pennsylvania Engineering Works (Ingot & Open-Hearth), New Castle, Pa.**
**Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.**
**Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.**
Stolz Jos. & Son, Inc., 841 E 136th, New York

Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
**TREADWELL ENGINEERING CO.,** Easton, Pa. *See adv index at end of book*
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
United Iron Works Co. Inc., Kansas City, Mo.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Whiting Foundry Equipment Co., 157th & Halstead, Ill.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*
Youngstown Steel Car Co. (Box Cars), Niles, O.

## 2008—*Cars (Charging, Open-Hearth)

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*

## 2008a— Cars (Chemical)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO U.S.A

## Cars (Cinder)

See Cars, Hot Metal or Slag

## Cars (Clay)

See Cars, Brick & Clay

## 2009— Cars (Coal)

American Car & Foundry Co., Syndicate Trust bldg, St Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
Barney & Smith Car Co., Dayton, O.
Bartlett A. F. & Co., Saginaw, Mich.
Bergen Point Iron Works, Bayonne, N. J.
Bettendorf Co. (Steel), Bettendorf, Ia.
**EASTON CAR & CONSTRUCTION CO.** (charging), 198 Fulton, New York
*See adv index at end of book*
Erie Car Works, 1150 W 17th, Erie, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Georgia Car & Locomotive Co., Atlanta, Ga.
Helmick Fdry. & Machine Co., Fairmont, W. Va
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Steel Side Opening, etc), Columbus, O.
*See adv index at end of book*
Lakewood Engng Co., Cleveland, O.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Mead-Morrison Mfg. Co., c Prescott & Orleans, East Boston, Mass.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
National Dump Car Co. (Drop Bottom), 80 E Jackson bl, Chicago, Ill.
Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.
Portland Co., Portland, Me.
Pressed Steel Car Co. (Steel & Composite), 307 5th av, Pittsburgh, Pa.
Ralston Steel Car Co., Columbus, O.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
South Side Foundry & Machine Wks., Charleston, W. Va.
Steel Car Co., Euclid, O.
**STUEBNER G. L. IRON WORKS,** Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book*
Truax Mfg. Co., Denver, Col.
Union Iron Works, Hoboken, N. J.
United Iron Works Co. Inc., Kansas City, Mo.
Watt Mining Car Wheel Co., Barnesville, O.
Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*
Youngstown Steel Car Co., Niles, O.

## 2010— Cars (Coke)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co. (Quenching), Cleveland, O. *See adv index at end of book*
Cambria Steel Co. (Steel), Widener bldg, Phila., Pa.
Cement Tile Machinery Co., Waterloo, Ia.
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Georgia Car & Locomotive Co., Atlanta, Ga.
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Quenching), Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
National Dump Car Co. (Drop Bottom), 80 E Jackson bl, Chicago, Ill.
Whiting Foundry Equipment Co., 157th & Halsted, Chicago, Ill.
Youngstown Steel Car Co., Niles, O.

## 2011— Cars (Combination)

National Dump Car Co. (Stock, Coke, Coal & Beet with Drop Bottom), 80 E Jackson bl, Chicago, Ill.

## 2012— Cars (Concrete)

See also Carts, Concrete

**BIEHL IRON WORKS, INC.,** Reading, Pa.
*See adv index at end of book*
Blaker J. L. ("Blaker," Dumping), Blaker Mills, W. Va.
Cement Tile Machy. Co. ("Ideal" for Brick & Blocks), Waterloo, Ia.
Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, Ohio.
*See adv index at end of book*
Continental Car Co of America, Louisville, Ky.
**EASTON CAR & CONSTRUCTION CO.** (Batch, for Road Work), 198 Fulton, New York
*See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Insley Mfg. Co. (Controllable Side Dump & Bottom Dump) 3500 E. St. Clair, Indianapolis, Ind.
Kilbourne & Jacobs Mfg. Co. (Steel End Dump), Columbus, O.
*See adv index at end of book*
Magor Car Corp., 30 Church, New York
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Concrete Machinery Co., Dunellen, N. J.
Ralston Steel Car Co., Columbus, O.
Ransome Concrete Machinery Co., Dunellen, N. J.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
United Iron Works Co., Inc., Kansas City, Mo.
Western Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Youngstown Steel Car Co., Niles O.

## 2013— Cars (Contractors')

**BIEHL IRON WORKS, INC.,** Reading, Pa.
*See adv index at end of book*
**EASTON CAR & CONSTRUCTION CO.** 198 Fulton, New York
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2014— Cars (Core Oven)

Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Biehl Iron Wks., Inc., Reading, Pa.
*See adv index at end of book*
Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, Ohio.
*See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Foundry Equipt. Co., 1833 Columbus rd, Cleveland, O.
Hoisting Machinery Co., 50 Church, New York *See adv index at end of book*
Hunt, C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
**LAKEWOOD ENGINEERING CO.,** Cleveland, O. *See adv index at end of book*

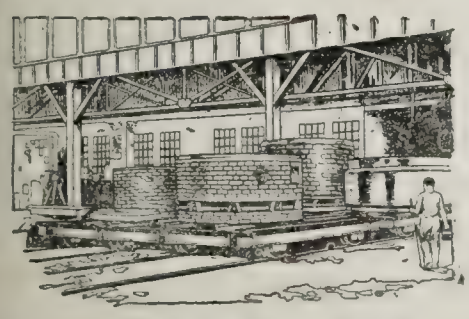
LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO. U.S.A

**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Penn Foundry & Mfg. Co., Reading, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York
United Iron Works Co., Inc., Kansas City, Mo.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Youngstown Steel Car Co., Niles O.

## 2014a— *Cars (Cradle Dump)

**EASTON CAR & CONSTRUCTION CO.** 198 Fulton, New York
*See adv index at end of book*

EASTON INDUSTRIAL RAILWAY CARS



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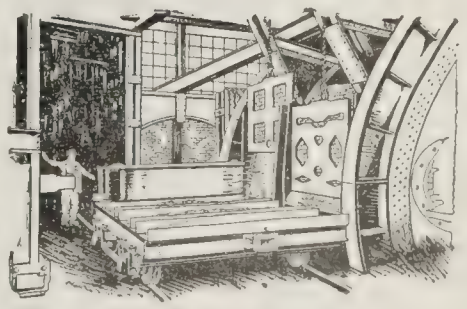
*Catalogs or Service*

CHARGING BOX CARS

We build cars for every steel plant and rolling mill service in both the four-wheel and double-truck, or eight-wheel types of standard and special designs. Platforms of heavy steel rails when desired.



EASTON CAR & CONSTRUCTION CO., 198 Fulton St., NEW YORK

## 2015— Cars (Creosoting)

**EASTON CAR & CONSTRUCTION CO.** 198 Fulton, New York
*See adv index at end of book*
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
**LAKEWOOD ENGINEERING CO.**, Cleveland, O. *See adv index at end of book*

## 2016— Cars (Derrick)

American Bridge Co., 30 Church, New York
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co. (Mounted on Cars), Duluth, Minn.
*See adv index at end of book*
Continental Bridge Co., 460 Monadnock Block, Chicago, Ill.
Dobbin Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Hoisting Machinery Co., 50 Church, New York *See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
**WILSON MACHINERY CO.**, 301-331 W 35th, Chicago, Ill.
*See adv index at end of book*

## 2016a—*Cars (Double Deck)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2016b—*Cars Double (Truck)

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2017— Cars (Drop Bottom)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Barney & Smith Car Co., Dayton, O.
Cement Tile Machinery Co., Waterloo, Ia.
Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, Ohio.
*See adv index at end of book*
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
Erie Car Works, 1150 W 17th, Erie, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Georgia Car & Locomotive Co., Atlanta, Ga.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Haskell & Barker Car Co., Michigan City, Ind.
Helmick Fdry. & Machine Co., Fairmont, W. Va.
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Insley Mfg. Co. (Controllable Concrete), 3500 E St. Clair, Indianapolis, Ind.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
Lucey Foundry & Machine Co., Chattanooga, Tenn.
Magor Car Corp., 30 Church, New York
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
National Dump Car Co., 80 E Jackson blvd, Chicago, Ill.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Sanford Day Iron Works, 612 Dale av, Knoxville, Tenn.
Steel Car Co., Euclid, O.
Steubner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
Youngstown Steel Car Co., Niles, O.

## 2018-19— Cars (Dryer)

Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Bonnot Co., Canton, O.
Chambers Bros. Co., 52d nr. Lancaster av., Philadelphia, Pa.
Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, Ohio.
*See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Globe Machinery & Supply Co., Des Moines, Ia.
**LAKEWOOD ENGINEERING CO.**, Cleveland, O. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Proctor & Schwartz, Inc. (Brick), 7th & Tabor rd, Philadelphia, Pa.
*See adv index at end of book*
Railway & Power Equipment Co., 233 B'way, New York
Sharp Mfg. & Supply Co., New Phila., O.
Western Car & Foundry Co., 122 S Michigan, Chicago, Ill.

## 2020—*Cars (Dump, Industrial)

Biehl Iron Works, Inc., Reading, Pa.
**EASTON CAR & CONSTRUCTION CO.**, 198 Fulton, New York
*See adv index at end of book*

## 2021—*Cars (Dump, Side & Bottom)

**EASTON CAR & CONSTRUCTION CO.** 198 Fulton, New York
*See adv index at end of book*

## 2022— Cars (Dumping)

See also Cars, Mine

Acme Road Machy. Co., Frankfort, N. Y.
Akron Cultivator Co. (Hand Dump), Akron, O.
American Car & Foundry Co. ("Page" Patented), Syndicate Trust bldg, St. Louis, Mo.
American Clay Machinery Co. (Steel & Wood), S Walnut, Bucyrus, O.
*See adv index at end of book*
Atlas Car & Mfg. Co. (Electric, End, Bottom, Either Side, Rocker, Rotary, etc). Cleveland, O. *See adv index at end of book*
Austin Mfg. Co. (Automatic), 901 S Michigan av, Chicago, Ill.
**BIEHL IRON WORKS, INC.**, Reading, Pa.
*See adv index at end of book*
Bonnot Company, Canton, O.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Buffalo Pitts Co. (Contractors), Buffalo, N. Y.
Cement Tile Machinery Co., Waterloo, Ia.
Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, Ohio.
*See adv index at end of book*
Clark Car Co. (Steel Balanced Door), 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
Denver Engineering Works Co., Denver, Colo.
Differential Car Co., Inc., 141 B'way, New York
**EASTON CAR & CONSTRUCTION CO.**, 198 Fulton, New York
*See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Goodwin Car & Mfg. Co., ("Goodwin"), 17 Battery pl., New York
Haskell & Barker Car Co., Michigan City, Ind.
Helmick Fdry & Machine Co., Fairmont, W. Va.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Insley Mfg. Co. (Controllable Side & Bottom Concrete), 3500 E. St. Clair, Indianapolis, Ind.
International Clay Machinery Co., Dayton, Ohio.
Inter-State Car Co., Indianapolis, Ind.
Irwin Foundry & Mine Car Co. (Contractors, etc), Irwin, Pa.
Kalamazoo Railway Supply Co. (Contractors'), Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
Lake Shore Engine Works (Rotary, etc., All Kinds), Marquette, Mich.
**LAKEWOOD ENGINEERING CO.** (Steel Body Side Rocker Dump, Steel Body End Dump, V-Dump & Wood Body End Dump), Cleveland, O.
*See adv index at end of book*
Light Railway Equipment Co., Commercial Trust bldg, Philadelphia, Pa.
**LINK-BELT COMPANY** (Side & Bottom Dump, etc.), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Lucey Foundry & Machine Co., Chattanooga, Tenn.
**MACHINERY SALES CO.**, Old Colony bldg, Chicago, Ill.
Magor Car Corp., 30 Church, New York
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
National Dump Car Co. (Gondola, Drop Bottom), 80 E Jackson blvd, Chicago, Ill.
Oliver Wm. J. Mfg. Co. (Contractors' All Steel Frame Cars, Automatic Couplers & Air Brakes), Knoxville, Tenn.
Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.
Port Huron Engine & Thresher Co. (For Hauling Stone Gravel, etc., for Macadam Roads), Port Huron, Mich.
Portland Co., Portland, Me.
Pressed Steel Car Co., 307 5th av., Pittsburgh, Pa.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Rodger Balast Car Corp., Railway Exchange bldg, Chicago, Ill.
Russel Wheel & Foundry Co., Chene Bl. RR, Detroit, Mich.
Sanford Day Iron Works, 612 Dale av, Knoxville, Tenn.
Stedman's Foundry & Machine Works (For Fertilizer Works), Aurora, Ind.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
Summers Steel Car Co. (Gravity), Oliver bldg, Pittsburgh, Pa.
Treadwell M. H. Co., 140 Cedar, New York
Truax Mfg. Co. (Jno. T. Plummer, Prop.), (Steel), Denver, Colo.
Union Iron Works (Steel), Hoboken, N. J.
United Iron Works Co., Inc., Kansas City, Mo.
Western Wheeled Scraper Co., Aurora, Ill.
William A. Box Iron Works Co., Denver, Colo.
Youngstown Steel Car Co. (All Steel, Automatic or Hand, Rocker, Side Dump, Rotary Dump, etc.), Niles, O.

## 2023—Cars (Dumping, Railroad)

Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Railway & Power Equipment Co., 233 B'way, New York

## 2023a— *Cars (Electric)

**ATLAS CAR & MFG. CO.**, Cleveland, O.
*See adv index at end of book*

## 2024—*Cars (Electric Conveying)

Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*

## 2024a— *Cars (End Dump)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2025— *Cars (Fertilizer)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## Cars (Fibre)

See Trucks, Mill

## 2026— Cars (Flat)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Baltimore Car & Fdry Co., Pittsburgh, Pa.
Barney & Smith Car Co. (Steel & Wood), Dayton, O.
Bettendorf Co. (All Steel), Bettendorf, Ia.
Cambria Steel Co. (Steel), Widener bldg, Phila., Pa.
**EASTON CAR & CONSTRUCTION CO.**, 198 Fulton, New York
*See adv index at end of book*
Erie Car Works, 1150 W 17th, Erie, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Ga. Car & Locomotive Co., Atlanta, Ga.

# "K. & J." Products

Are Wheelbarrows, Scrapers, Carts and Trucks, Air Dump Cars—15 and 20 yard capacity, Motor Truck Bodies, Electric Tractors and Trailers, Industrial Cars.

TRADE MARK

THE SEAL OF SATISFACTION K&J

REG. U.S. PAT. OFF.

Fig. 201

Fig. 244

Fig. 249

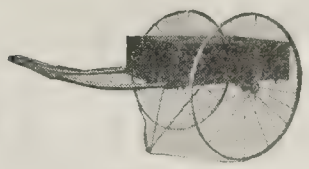
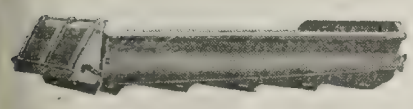


Fig. 310

Fig. 207 Steel

Fig. 235

We are illustrating only a few of our representative types


Model "K" Motor Truck Body

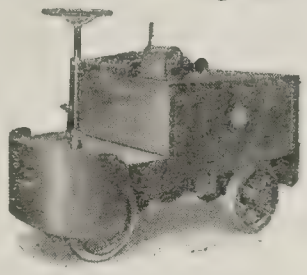

Type "T 24" Industrial Tractor

Fig. 390 Trailer

"K & J" All Steel Automatic Air Dump Car

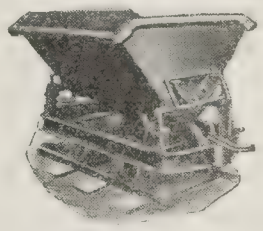
Send for Catalog "H" mentioning product you are interested in

"Pan American"

"Columbus"

"K & J"

"K & J"


Type 590-B, V-Shape Side Dump Car

Type 572 Rotary Ore Car

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regg Co., Ltd., Hackensack, N. J.
askell & Barker Car Co., Michigan City, Ind.
oisting Machinery Co., 50 Church, New York. *See adv index at end of book*
unt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
sley Mfg. Co. (Skeleton Steel Frame Industrial), 3500 E St. Clair, Indianapolis, Ind.
ilbourne & Jacobs Mfg. Co., Columbus, O. *See adv index at end of book*
ucey Foundry & Machine Co., Chattanooga, Tenn.
agor Car Corp., 30 Church, New York
ount Vernon Car Mfg. Co., Mount Vernon, Ill.
liver Wm. J. Mfg. Co., Knoxville, Tenn.
ortland Co. (Narrow Gauge), Portland, Me.
alston Steel Car Co., Columbus, O.
amapo Iron Works, Hillburn, N. Y.
ussel Wheel & Foundry Co., Chene Bl. RR, Detroit, Mich.
tolz Jos. & Son., Inc., 841 E 136th, New York
tuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book*
estern Steel Car & Foundry Co., Peoples Gas bldg, Chicago, Ill.
estern Wheeled Scraper Co., Aurora, Ill.
oungstown Steel Car Co., Niles, O.

## 027— Cars (Foundry)

kron Cultivator Co., Akron, O.
tlas Car & Mfg. Co. (Ladle, Foundry, etc), Cleveland, O. *See adv index at end of book*
**HASE FOUNDRY & MFG. CO.**, 2700 Parsons av, Columbus, Ohio *See adv index at end of book*
**ASTON CAR & CONSTRUCTION CO.** 198 Fulton, New York *See adv index at end of book*
airbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Jackson Mfg. Co., Harrisburg, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O. *See adv index at end of book*
Koenig Edward L., La Salle, nr Lake, Chicago, Ill. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Penn Foundry & Mfg. Co., Reading, Pa.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book*
United Iron Works Co., Inc., Kansas City, Mo.
Variety Iron & Steel Works Co., Hamilton av & E. 40th (For Steel Works, etc.), Cleveland, O.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Youngstown Steel Car Co., Niles, O.

## 2028— Cars (Freight)

American Car & Foundry Co. (Wooden & Steel), Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O *See adv index at end of book*
Baltimore Car & Foundry Co. (Metal, Wood & Composite), Pittsburgh, Pa.
Barney & Smith Car Co. (Steel & Wood), Dayton, O.
Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
Cambria Steel Co. (Steel), Widener bldg, Phila, Pa.
Erie Car Works, 1150 W 17th, Erie, Pa.
Georgia Car & Locomotive Co., Atlanta, Ga.
Gregg Co., Ltd., Hackensack, N. J.
Haskell & Barker Car Co., Michigan City, Ind.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Inter-State Car Co., Indianapolis, Ind.
Keith Car & Mfg. Co., Sagamore, Mass.
Laconia Car Co., 60 Congress, Boston, Mass.
Levis, Henry & Co., Commercial Trust bldg, Philadelphia, Pa. *See adv index at end of book*
Lucey Foundry & Machine Co., Chattanooga, Tenn.
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Magor Car Corp., 30 Church, New York
Middletown Car Co., Middletown, Pa.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Portland Co. (Narrow Gauge), Portland, Me.
Pressed Steel Car Co. (Steel & Composite), 307 5th av, Pittsburgh, Pa.
Pullman Co., Pullman bldg, Chicago, Ill.
Ralston Steel Car Co. (Steel & Wooden), Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Rodger Ballast Car Co. ("Hart," Convertible), Railway Ex bldg, Chicago, Ill.
Sheffield Car & Equipment Co., Sheffield, Mo.
Standard Steel Car Co. (All Steel & Composite Steel & Wood), A. V. R. R., Pittsburgh, Pa.
Steel Car Co., Euclid, O
Summers Steel Car Co., Oliver bldg, Pittsburgh, Pa.
Western Steel Car & Foundry Co. (Wood & Steel), Peoples Gas bldg, Chicago, Ill.
Youngstown Steel Car Co. (Standard), Niles, O.

## 2029— Cars (Gable Bottom)

**EASTON CAR & CONSTRUCTION CO.**, 198 Fulton, New York *See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co., Columbus, O. *See adv index at end of book*
Youngstown Steel Car Co., Niles, O.

## 2030-1— Cars (Gas Coke)

Akron Cultivator Co., Akron, O.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Youngstown Steel Car Co., Niles, O.

## 2032— Cars (Gondola)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Barney & Smith Car Co., Dayton, O.
Bettendorf Co., Bettendorf, Ia.
Cambria Steel Co. (Also Steel Hopper Gondola), Widener bldg, Phila., Pa.
Continental Car Co. of America, Louisville, Ky.
Erie Car Works, 1150 W 17th, Erie, Pa.
Gregg Co. Ltd., Hackensack, N. J.
Hoisting Machinery Co., 50 Church, New York. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co., Columbus, O. *See adv index at end of book*
Lucey Fdry. & Machine Co., Chattanooga, Tenn.
Magor Car Corp. (Steel), 30 Church, New York
Marsh Refrigerator Service Co., Pt. Washington rd, Milwaukee, Wis.
Merchants Despatch Transportation Co., East Rochester, N. Y.
National Dump Car Co. (Dumping Drop Bottom), 80 E Jackson blvd, Chicago, Ill.
Ralston Steel Car Co. (Self-Cleaning Drop Bottom), Columbus, O.
Rodger Ballast Car Co. ("Hart" Convertible), Railway Exch bldg, Chicago, Ill.
Standard Steel Car Co., A. V. R. R., Pittsburgh, Pa.
Steel Car Co., Euclid, O.
Youngstown Steel Car Co., Niles, O.

## 2033— Cars (Gravity Dump)

Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Goodwin Car & Mfg. Co., 17 Battery pl, New York.
Summers Steel Car Co. ("Summers"), Oliver bldg, Pittsburgh, Pa.

## 2034— Cars (Hand & Push)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Buda Co., Railway Exch bldg, Chicago, Ill.
Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, O. *See adv index at end of book*
Continental Car Co. of America, Louisville, Ky.
EASTON CAR & CONSTRUCTION CO. 198 Fulton, New York *See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Fox Bros. & Co., 126 Lafayette, New York.
Glover Machine Works, Marietta, Ga.
Hunt C. W. Co. (Also Hand Dump), West New Brighton, N. Y. *See adv index at end of book*
Kalamazoo Railway Supply Co. (Section), Kalamazoo, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, O. *See adv index at end of book*
Lansing Co., Lansing, Mich.
Lucey Foundry & Machine Co., Chattanooga, Tenn.
Magor Car Corp., 30 Church, New York
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburgh, Pa. *See adv index at end of book*
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book*
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Wilson Pling D. Co. ("Scout Runner" Hand), 433 California, San Francisco, Cal.
Youngstown Steel Car Co., Niles, O.

## 2035— Cars (Hopper)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Cambria Steel Co. (Steel), Widener bldg, Phila., Pa.
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
EASTON CAR & CONSTRUCTION CO. (Bottom), 198 Fulton, New York *See adv index at end of book*
Erie Car Works, 1150 W 17th, Erie, Pa.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Jackson Mfg. Co. (Drop Bottom), Harrisburgh, Pa.
Kilbourne & Jacobs Mfg. Co. (Hopper Bottom), Columbus, O. *See adv index at end of book*
LAKEWOOD ENGINEERING CO., Cleveland, O. *See adv index at end of book*
Ralston Steel Car Co., Columbus, O.
United Iron Works Co., Inc., Kansas City, Mo.
Western Steel Car & Foundry Co., Peoples Gas bldg, Chicago, Ill.
Youngstown Steel Car Co., Niles, O.

## 2036—Cars (Hot Metal or Slag)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Connelly D., Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.
Denver Engineering Works Co. (Slag Only), Denver, Col.
EASTON CAR & CONSTRUCTION CO., 198 Fulton, New York *See adv index at end of book*
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Goodwin Car & Mfg. Co. (Slag), 17 Battery pl, New York.
Hartman Co. (Dump Cinder), 1231 N Front, Philadelphia, Pa.
Hunt C. W. Co. (Cinder), West New Brighton, N. Y. *See adv index at end of book*
Jackson Mfg. Co., Harrisburg, Pa.
Magor Car Co., 30 Church, New York
Penna. Engineering Works, New Castle, Pa.
Pollock Wm. B. Co. ("P. T. Berg," for Cinder & Hot Metal), Youngstown, O.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ramapo Iron Works, Hillburn, N. Y.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Treadwell M. H. Co., 140 Cedar, New York
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
United Iron Works Co., Inc., Kansas City, Mo.
Weimer Machine Works Co. (Any Capacity & Style), Lebanon, Pa.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
William A. Box Iron Works Co. (Slag), 3309 Blake, Denver, Colo.
Youngstown Steel Car Co., Niles O.

## 2037— Cars (Industrial)

See also Railways, Industrial & Portable
Akron Cultivator Co., Akron, O.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
ATLAS CAR & MFG. CO. (Narrow Gauge Railway), Cleveland, O. *See adv index at end of book*
Baker Iron Wks., 912 No. B'way, Los Angeles, Cal.
BIEHL IRON WORKS, INC., Reading, Pa. *See adv index at end of book*
BROWN & SITES CO., 36 Church, New York
CHASE FOUNDRY & MFG. CO., 2700 Parsons av, Columbus, O. *See adv index at end of book*
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
Cowan Truck Co. (Eletric), Holyoke, Mass.
William A. Box Iron Works, 3309 Blake, Denver, Colo.
EASTON CAR & CONSTRUCTION COMPANY, 198 Fulton, New York *See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
Fairmont Gas Engine & Railway Motor Car Co., Fairmont, Minn.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Globe Machinery & Supply Co. (Cement), Des Moines, Ia.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Gregg Co. Ltd., Hackensack, N. J.
Harriman Foundry & Machine Works, Harriman, Tenn.
HUNT C. W. CO., West New Brighton, N. Y. *See adv index at end of book*


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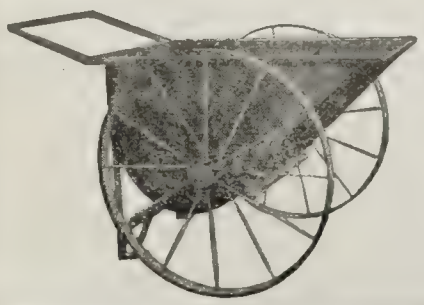

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THE BIEHL IRON WORKS, INC.

READING, PA.

nsley Mfg. Co. (Skeleton Steel Frame Flat), 3500 E St. Clair, Indianapolis, Ind.
**ILBOURNE & JACOBS MFG. CO.** (Rocker, Dump & Quarry), Columbus, Ohio. *See adv index at end of book*
**OENIG EDWARD L.,** 23 W Kinzie, Chicago, Ill.
*See adv index at end of book*
**AKEWOOD ENGINEERING CO.,** Cleveland, O. *See adv index at end of book*

The LAKEWOOD ENGINEERING Co.
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CLEVELAND. OHIO. U.S.A

lewellyn Iron Wks., 1100 Main, Los Angeles, Cal.
agor Car Corp., 30 Church, New York
ead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
ineral Ridge Mfg. Co., Mineral Ridge, Ohio
enn Foundry & Mfg. Co., Reading, Pa.
enn Tank Car Co., 503 Market, Sharon, Pa., and San Francisco, Cal.
lains Iron Works Co., Denver, Colo.
ressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
alston Steel Car Co., Columbus, O.
amapo Iron Works, Hillburn, N. Y.
inford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
olz Jos. & Son, Inc. (Special), 841 E 136th, New York
uebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
uax Mfg. Co., Denver, Col.
eadwell M. H. Co. 140 Cedar, New York
eadwell M. H. Co., of Illinois, 208 S. La Salle, Chicago, Ill.
ion Iron Works, Hoboken, N. J.
nited Iron Works Co. Inc., Kansas City, Mo.
estern Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
orthington Pump & Machy. Corp. (Steel), 115 B'way, New York
*See adv index at end of book*
oungstown Steel Car Co., Niles O.

## 38— Cars (Ingot)

etna Foundry & Machine Co., Warren, O
nerican Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
las Car & Mfg. Co. (Steel), Cleveland, Ohio. *See adv index at end of book*
rdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
**ASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*
irbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
cht Geo. Sons, 117-119 Adams, Hoboken, N. J.
int C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
igor Car Corp., 30 Church, New York
irshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
esta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
nnsylvanita Engng. Works, New Castle, Pa.
essed Steel Car Co., 307 5th av, Pittsburgh, Pa.
ylor-Wilson Mfg. Co., McKees Rocks, Pa.
eadwell M. H. Co. of Illinois, 208 S La
eadwell M. H. Co., 140 Cedar, New York
**EADWELL ENGINEERING CO.,** Easton, Pa. *See adv index at end of book*
ited Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
estern Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
ungstown Steel Car Co., Youngstown, O.
ungstown Foundry & Machine Co., Niles, O.

## 39-40— Cars (Inspection)

See also Cars, Motor, Inspection

erican Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
da Co., Railway Exch. bldg., Chicago, Ill.
irbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.
irbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
tchkiss, Blue & Co., 80 E Jackson bl, Chicago, Ill.
Kalamazoo Ry. Supply Co., Kalamazoo, Mich.
Northwestern Steel & Iron Works, Eau Claire, Wis.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Teeter-Hartley Motor Co., Hagerstown, Ind.

## Cars (Interurban)

See Cars, Street & Electric

## 2041—Cars (Interurban Gasoline)

McKeen Motor Car Co. ("McKeen"), Omaha, Neb.

## Cars (Ladle)

See Cars, Foundry

## 2042— Cars (Liquid Cinder)

See also Cars, Hot Metal & Slag

Hartman Co. (End & Side Dump), 1231 N Front, Phila., Pa.
**HUNT C. W. CO.,** West New Brighton, N. Y. *See adv index at end of book*
Weimer Machine Works Co. (Hand or Power Dump, Air, Electric & Steam Power), Lebanon, Pa.
Youngstown Steel Car Co., Niles O.

## 2043— Cars (Logging)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Anniston Steel Co., Anniston, Ala.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Barney & Smith Car Co., Dayton, O.
Bettendorf Co., Bettendorf, Ia.
Butterworth & Lowe, Grand Rapids, Mich.
Climax Mfg. Co., Corry, Pa.
Continental Car Co. of America, Louisville Ky.
Dilley Geo. E. & Son, Palestine, Tex.
Erie Car Works, 1150 W 17th, Erie, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Georgia Car & Locomotive Co., Atlanta, Ga.
Gregg Co. Ltd., Hackensack, N. J.
Helmick Fdry & Machine Co., Fairmont, W. Va.
Holt Mfg. Co., Stockton, Cal.
Kilby Car & Foundry Co., Anniston, Ala.
Lucey Foundry & Machine Co., Chattanooga, Tenn.
Luther Frederick P., 14 E. Jackson blvd., Chicago, Ill.
Magor Car Corp., 30 Church, New York
Marshall Car Wheel & Fdry Co., Marshall Tex.
Moffitt Iron Works Co., Sanford, N. C.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Portland Co. (Log Bunks), Portland, Me.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Raleigh Iron Works Co., Raleigh, N. C.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Russel Wheel & Foundry Co., Chene Bl. R. R., Detroit, Mich.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Tredegar Co., ft. of 5th, Richmond, Va.
Union Iron Works Co., Selma, Ala.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Youngstown Steel Car Co., Niles O.

## 2044— Cars (Matte Tapping)

Pacific Foundry Co. ("Kilker's Patent), 18th & Harrison, San Francisco, Cal.

## 2045— Cars (Mine & Ore)

Allis-Chalmers Mfg. Co. (Electric), Milwaukee, Wis.
American Bridge Co., 30 Church, New York
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Anniston Steel Co. ("Anniston-Hyatt" Steel Wheel Roller Bearing Mine), Anniston, Ala.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Barney & Smith Car Co., Dayton, O.
Cherry Tree Machine Co., Cherry Tree, Pa.
Clark Car Co. (Steel Dumping), 1624 Oliver bldg., Pittsburgh, Pa.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Continental Car Co. of America, Louisville, Ky.
Denver Engineering Works Co., Denver, Colo.
Dillon Box Iron Works Co., Denver, Col.
Duncan Foundry & Machine Works, Alton, Ill.
Eagle Iron Works (Coal Ouly), Des Moines, Ia.
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*
Egyptian Iron Works, Murphysboro, Ill.
Ellison Wm. & Sons Mfg. Co., St. Louis, Mo.
Engineering Works, Van Buren, Ark.
Exeter Machine Works, Pittston, Pa.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Fairmont Mining Machinery Co., Fairmont, W. Va.
Fisher Mine Equipment Co., W. Newton, Pa.
Fleming J. R. & Son Co., Scranton, Pa.
Fulton Pit Car Co., Canal Fulton, O.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Galena Iron Works Corp. (Steel & Wood), Galena, Ill.
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Great Western Mfg. Co., Leavenworth, Kan.
Gustafson Mfg. Co., Chattanooga, Tenn.
Harman & Hassert, Bloomsburg, Pa.
Harriman Fdy. & Mch. Wks. (Mine Only), Harriman, Tenn.
Harris-Stevens Co., Pittsburgh, Pa.
Hassell Iron Works Co., Colorado Springs, Col.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hempfield Foundry, Greensburg, Pa.
Hendrick Mfg. Co. (Steel), Carbondale, Pa.
Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
Hendy J. Iron Works, 75 Fremont, San Francisco, Cal.
Herzler & Henninger Machine Works (Coal Mine), Belleville, Ill.
Hockensmith Wheel & Mine Car Co. (Wood, Steel or Combination), Penns Station, Pa.
Interstate Bridge Forge & Mfg. Co., 207 Market, Newark, N. J.
Irwin Foundry & Mine Car Co., Irwin, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Kanawha Mfg. Co., Charleston, W. Va.
Kilbourne & Jacobs Mfg. Co. (Pressed Steel, Side & Rotary Dump, Hopper, etc), Columbus, O.
*See adv index at end of book*
Koenig Edward L., La Salle, nr. Lake, Chicago, Ill. *See adv index at end of book*
Ladel Mfg. Co., New Phila., O.
Lake Shore Engine Works (Of All Kinds), Marquette, Mich.
Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*
Lansing Co. (Steel, etc), Lansing, Mich.
Lincoln Steel & Forge Co. (Mine Only), 5701 Natural Bridge av, St. Louis, Mo.
Lucey Foundry & Machine Co., Chattanooga, Tenn.
McFarlane Mfg. Co., Denver, Colo.
Magor Car Corp., 30 Church, New York
Mineral Ridge Mfg. Co., Mineral Ridge, O.
Mount Carmel Iron Works, Mt. Carmel, Pa.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
Niles Mine & Mill Supply Co., Cleveland, O.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Ottumwa Box Car Loader Co., Ottumwa, Ia.
Ottumwa Iron Works, Ottumwa, Ia.
Pennsylvania Engineering Works, New Castle, Pa.
Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
Phillips Mine & Mill Supply Co. (Steel & Wood), 2227 Jane, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Prox Frank Co., Terre Haute, Ind.
Punxsutawney Foundry & Machine Co., Punxsutawney, Pa.
Railway & Mine Supply Co. (Ramsco-mine), McCormick bldg, Chicago, Ill.

CARS (MINE & ORE)—continued
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Rome Machine & Fdry. Co., Rome, Ga.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Star Mfg. Cfo., New Lexington, O.
Stine S. B., Osceola Mills, Pa.
Stolz Jos. & Son, Inc. (Mine), 841 E 136th, New York
Suppes Forge & Foundry Co., Johnstown, Pa.
**TRAYLOR ENGINEERING & MFG. CO.,** Allentown, Pa.
*See adv index at end of book*
Truax Mfg. Co., Denver, Colo.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Spokane, Wash.
United Iron Works Co. Inc., Kansas City, Mo.
Watt Mining Car Wheel Co. (Steel, etc), Barnesville, O.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Youngstown Steel Car Co., Niles, O.

## 2046— Cars (Mold Drying)

**CHASE FOUNDRY & MFG. CO., 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
United Iron Works Co. Inc., Kansas City, Mo.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 2047—Cars (Motor, Inspection)

See also Cars, Inspection: also Cars, Velocipede
Buda Co., Railway Exchange bldg, Chicago Ill.
**Fairbanks, Morse & Co. ("Sheffield" Gasoline & Kerosene), 900 S Wabash av, Chicago, Ill.**
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Fairmont Gas Engine & Railway Motor Car Co., Fairmont, Minn.
Fox Bros. & Co., 126 Lafayette, New York
Kalamazoo Ry Supply Co., Kalamazoo, Mich.
Mudge & Co. (Gasoline), 80 E Jackson blvd, Chicago, Ill.
Nichols, Geo. P. & Bro., 2139 Fulton, Chicago, Ill. *See adv index at end of book*
Northwestern Steel & Iron Works, Eau Claire, Wis.
Railway Specialty Co., Atchison, Kan.
**Teeter-Hartley Motor Co., Hagerstown, Ind.**

## 2047a—*Cars (Narrow Gauge)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2048— Cars (Passenger)

See also Cars, Street & Electric
**American Car & Foundry Co., Syndicate** Trust bldg, St. Louis, Mo.
**Barney & Smith Car Co. (Coaches, Sleepers, Dining, Private, Cafe, Baggage, Postal, Parlor, Observation, One Man Safety, All Steel & Steel & Wood),** Dayton, O.
**Bradley Osgood Car Co., Worcester, Mass.**
**Brill J. G. Co., 62d & Woodland av, Philadelphia, Pa.**
**Georgia Car & Locomotive Co., Atlanta, Ga.**
Gregg Co. Ltd., Hackensack, N. J.
**Hall-Scott Motor Car Co. ("Hall-Scott"), Crocker bldg, San Francisco, Cal.**
**Harlan & Hollingsworth Corp., ft of West, Wilmington, Del.**
**Hoisting Machinery Co., 50 Church, New York** *See adv index at end of book*
**Hotchkiss, Blue & Co., 80 E Jackson blvd, Chicago, Ill.**
**Jewett Car Co. ("Jewett"), Newark, O.**
**McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.**
McKeen Motor Car Co. ("McKeen" Gasoline), Omaha, Neb.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Pullman Co., Pullman bldg, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Standard Steel Car Co. (All Steel & Composite Steel & Wood), A. V. R. R., Pittsburgh, Pa.

## 2048a— Cars (Pig Iron)

**BIEHL IRON WORKS INC.,** Reading, Pa.
*See adv index at end of book*
**CHASE FOUNDRY & MFG. CO., 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*

## 2049— Cars (Pit)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Helmick Fdry & Machine Co., Fairmount, W. Va.
Marshall Foundry Co. (Soaking Pit), 28th & R. R., Pittsburgh, Pa.
**Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.**
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Stine S. B., Osceola Mills, Pa.
United Iron Works Co. Inc. (Coal), Kansas City, Mo.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Youngstown Steel Car Co., Niles, O.

## 2050— Cars (Plantation)

**American Car & Foundry Co., Syndicate** Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Brill J. G. Co., 62d & Woodland av, Philadelphia, Pa.
Buda Co., Railway Ex. bldg, Chicago, Ill.
**Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
Continental Car Co. of America, Louisville, Ky.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Gregg Co. Ltd., Hackensack, N. J.
**Hunt C. W. Co., West New Brighton, N. Y.**
*See adv index at end of book*
**Kalamazoo Railway Supply Co. (Cane), Kalamazoo, Mich.**
**Kilbourne & Jacobs Mfg. Co. (Steel Standard & Shovel Nose, etc), Columbus, O.**
*See adv index at end of book*
**Kilby Car & Foundry Co. (Cane), Anniston, Ala.**
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Lucey Foundry & Machine Co., Chattanooga, Tenn.
Magor Car Corp., 30 Church, New York
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ramapo Iron Works, Hillburn, N. Y.
Stolz Jos & Son, Inc., 841 E 136th, New York
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works, Newburgh, N. Y.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Youngstown Steel Car Co. (Steel Sugar Cane etc.), Niles, O.

## 2051—Cars (Plate & Sheet Mill)

Atlas Car & Mfg. Co. (Steel), Cleveland, O. *See adv index at end of book*
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Weimer Machine Works Co., Lebanon, Pa.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Youngstown Steel Car Co., Niles, O.

## 2051a— Cars (Platform

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO. U.S.A

## 2052— Cars (Pole Road)

Butterworth & Lowe, Grand Rapids, Mich.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.

## 2052a— *Cars (Quarry)

See also Cars, Industrial
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO. U.S.A

## 2052b— *Cars (Rack)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2052c—*Cars (Radial Gate Hopper)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2053—Cars (Railroad, Repaired or Rebuilt)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Erie Car Works, 1150 W 17th, Erie, Pa.
Georgia Car & Locomotive Co., Atlanta, Ga.
Grant Locomotive & Car Works, Houston, Tex.
Hoisting Machinery Co., 50 Church, New York *See adv index at end of book*
Indiana Car & Equipment Co., 20 W Jackson blvd, Chicago, Ill.
Inter-State Car Co., Indianapolis, Ind.
Marsh Refrigerator Service Co., Port Washington rd, Milwaukee, Wis.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Steel Car Co., Euclid, O.
Railway & Power Equipment Co., 233 B'way, New York
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

## 2054— Cars (Refrigerator)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Erie Car Works, 1150 W 17th, Erie, Pa.
Haskell & Barker Car Co., Michigan City, Ind.
Marsh Refrigerator Service Co., Port Washington rd, Milwaukee, Wis.
Merchants Despatch Transportation Co., East Rochester, N. Y.
Middletown Car Co., Middletown, Pa.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

When writing to firms whose names appear in this book please mention HENDRICKS' COMMERCIAL REGISTER.

# EASTON INDUSTRIAL RAILWAY CARS

**ROAD CARS**

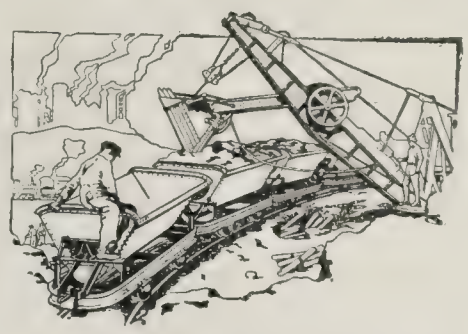
For the quick and economical handling of the aggregated materials used in road building we build a complete line of industrial railway equipment including cars, buckets, and all accessories.

*Catalogs or Service*

**ROCKER DUMP CARS**

of standard or special design and sturdy Easton construction for handling almost all classes of loose material. Also scoop cars, cradle dump cars, skip cars, quarry cars, and gable bottom cars.

*Catalog or Service*



**EASTON CAR & CONSTRUCTION CO., 198 Fulton St., NEW YORK**


### )54a—*Cars (Road Contracting)

aston Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*

### Cars (Rock)

See Cars, Industrial

### )54b—*Cars (Rolling Mill)

**TLAS CAR & MFG. CO.,** Cleveland, O.
*See adv index at end of book*

### )54c— *Cars (Rotary Scoop)

akewood Engineering Co., Cleveland, O.
*See adv index at end of book*

### )55— Cars (Rotary Tunnel)

See also Cars, Tunnel

estern Wheeled Scraper Co., Aurora, Ill.
oungstown Steel Car Co., Niles, O.

### )55a— *Cars (Scale)

**TLAS CAR & MFG. CO.,** Cleveland, O.
*See adv index at end of book*
olz Jos & Son, Inc., 841 E 136th, New York

### )56— Cars (Scale Test)

merican Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.,

### )56a— *Cars (Scoop)

**ASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*

### )57— Cars (Second-Hand)

e also Railroad Equipments, Second Hand

rie Car Works, 1150 W 17th, Erie, Pa.
ither Frederick Co. (Passenger & Freight), 14 E Jackson blvd, Chicago, Ill.
eneral Equipment Co., 30 Church, New York
eorgia Car & Locomotive Co., Atlanta, Ga.
ant Locomotive & Car Works, Houston, Tex.
**OISTING MACHINERY CO.,** 50 Church, New York *See adv index at end of book*
**LEINHANS H. CO.** (Dump, Spreader & Railroad), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
evis Henry & Co., Commercial Trust bldg, Phila., Pa.
*See adv index at end of book*
ales Co., 2226 Fulton av, Cincinnati, O.
eyer Henry H. Co., 110 S Howard, Baltimore, Md.
*See adv index at end of book*
itshkun M. Co., 985, Detroit, Mich.
aw Willis (Dumping, Flat, etc), 80 E Jackson blvd, Chicago, Ill.
aith Loyd J. (Electric Street), 20 W Jackson blvd, Chicago, Ill.
**)UTHERN IRON & EQUIPMENT CO.,** Atlanta, Ga.
Watson John B. Co., Witherspoon bldg, Phila, Pa.
Zelnicker Walter A. Sup. Co., 325 Locust, St. Louis, Mo.
*See adv index at end of book*

### Cars (Section)

See Cars, Hand & Push; Also Cars, Motor Inspection

### 2058— Cars (Shop)

**CHASE FOUNDRY & MFG. CO.,** 2700 Parsons av, Columbus, O.
*See adv index at end of book*
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*
**HUNT C. W. CO.,** West New Brighton N. Y. *See adv index at end of book*

### 2059— Cars (Side Dump)

**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*
Hunt C. W. Co., West New Brighton, N.Y.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Penn Foundry & Mfg. Co., Reading, Pa.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*

### 2060-1— Cars (Skip)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**LAKEWOOD ENGINEERING CO.,** Cleveland, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Ransome Concrete Machinery Co. (Self-Dumping), Dunellen, N. J.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works, Newburgh, N. Y.
United Iron Works Co., Inc., Kansas City, Mo.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Youngstown Steel Car Co., Niles, O.

### Cars (Slag)

See Cars, Hot Metal or Slag

### 2062— Cars (Spreader)

Buffalo Pitts Co. (Stone Spreading Cars), Buffalo, N. Y.
Continental Car Co. of America, Louisville, Ky.
Mann-McCann Co. ("McCann's" & "Mann" Spreader & Grader), 305 S La Salle, Chicago, Ill.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Western Wheeled Scraper Co., Aurora, Ill.

### 2063—Cars (Sprinkling, Street Railway)

American Car Sprinkler Co., Worcester, Mass.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Kensington Engine Works Co., Beach cor E Berks, Phila., Pa.
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Winkler-Grimm Corp., South Bend, Ind.

### 2064— Cars (Steam Shovel)

Baltimore Car & Fdry. Co., Pittsburgh, Pa.
Sanford-Day Iron Works, Knoxville, Tenn.
Western Wheeled Scraper Co., Aurora, Ill.

### 2065— Cars (Steel)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Baltimore Car & Fdry Co., Pittsburgh, Pa.
Barney & Smith Car Co., Dayton, O.
Bettendorf Co., Bettendorf, Ia.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Cambria Steel Co. (Gondolia, Hopper, Flat, Tank, etc) Widener bldg., Phila., Pa.
Chase Foundry & Mfg. Co., 2700 Parsons av., Columbus, Ohio.
*See adv index at end of book*
Clark Car Co., 1624 Oliver bldg, Pittsburgh, Pa.
Continental Car Co. of America, Louisville, Ky.
**EASTON CAR & CONSTRUCTION CO.** 198 Fulton, New York
*See adv index at end of book*
Erie Car Works, 1150 W 17th, Erie, Pa.
Globe Machinery & Supply Co., Des Moines, Iowa
Goodwin Car & Mfg. Co., 17 Battery pl, New York
Harlan & Hollingsworth Corp., ft. of West Wilmington, Del.
Insley Mfg. Co. (Industrial & Concrete), 3500 E St. Clair, Indianapolis, Ind.
**LAKEWOOD ENGINEERING CO.,** Cleveland, O. *See adv index at end of book*
Magor Car Corp., 30 Church, New York
Mt. Vernon Car Mfg. Co. (Freight), Mt. Vernon, Ill.
Pressed Steel Car Co., 307 5th av., Pittsburgh, Pa.
Ralston Steel Car Co., Columbus, O.
Ramapo Iron Works, Hillburn, N. Y.
St. Louis Car Co. (Of All Kinds), 8000 N B'way, St. Louis, Mo.
Standard Steel Car Co., Butler, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Summers Steel Car Co., Oliver bldg., Pittsburgh, Pa.
Youngstown Steel Car Co., Niles, O.

### 2066—Cars (Steel Mining & Dump)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.

CARS (STEEL MINING & DUMP)—cont.

**Atlas Car & Mfg. Co., Cleveland, O.**
*See adv index at end of book*
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Goodwin Car & Mfg. Co. (Dump), 17 Battery pl, New York
**Hendrick Mfg. Co. (Mining), Carbondale, Pa.**
**Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.**
**PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.**
*See adv index at end of book*
**Pressed Steel Car Co., 307 5th av., Pittsburgh, Pa.**
Ramapo Iron Works, Hilburn, N. Y.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Standard Steel Car Co., Butler, Pa.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Truax Mfg. Co., Denver, Colo.
United Iron Works Co., Inc., Kansas City, Mo.
Vulcan Mfg. Co., 1200 4th av, S Seattle, Wash.
**Weller Mfg. Co., 853 W North av, Chicago, Ill.**
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Youngstown Steel Car Co., Niles, O.

## Cars (Stone)

See Cars, Industrial

## 2067— Cars (Storage Battery)

**Atlas Car & Mfg. Co., Cleveland, O.**
*See adv index at end of book*
**Brill J. G. Co. (With "Hycap-Exide" Batteries), 62nd & Woodland av, Phila., Pa.**
**Railway Storage Battery Car Co. (Edison Storage Battery Car), 50 Broad, New York**

## 2068—Cars (Street & Electric)

**American Car Co., 1518 S Vandeventer av, St. Louis, Mo.**
**American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.**
Atlas Car & Mfg. Co. (Electric only), Cleveland, O.
*See adv index at end of book*
Barney & Smith Car Co. (One Man Safety), Dayton, O.
**Bradley Osgood Car Co., Worcester, Mass.**
**Brill J. G. Co., 62nd & Woodward av, Phila., Pa.**
**Cincinnati Car Co., Spring Grove & Mitchell av, Cincinnati, O.**
**Jewett Car Co. (Also Interurban), Newark, O.**
**Kuhlman G. C. Car Co. (See J. G. Brill Co.), Adams & L. S. & M. S. Ry, Cleveland, O.**
**Laconia Car Co., Boston, Mass. Works: Laconia, N. H.**
**McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg., Chicago, Ill.**
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
**Pullman Co., Chicago, Ill., & New York**
Railway & Power Equipment Co., 233 B'way, New York
**Russell Car & Snow Plow Co., Ridgway, Pa.**
**St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.**
**Southern Car Co., High Point, N. C.**
**Woeber Car & Mfg. Co., Denver, Colo.**

## 2068a— *Cars (Sugar Cane)

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO. U.S.A.

## 2069— Cars (Tank)

**See also Tanks, Car**

Allegheny Foundry Co., Ltd. (Steel), Boquet & Grant, Pittsburgh, Pa.
**Allegheny Steel Tank Car Co., Warren, Pa.**
**American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.**
**Bettendorf Co. (All Steel), Bettendorf, Ia.**
**Chicago Steel Car Co., Harvey, Ill.**
Erie Car Works, 1150 W 17th, Erie, Pa.
Graver Corp., E Chicago, Ind.
*See adv index at end of book*
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio. *See adv index at end of book*
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
Magor Car Corp., 30 Church, New York
Pacific Coast Despatch (Tank cars leased for shipment of Gasoline, Crude & Refined Oil, Soya Bean, Peanut, Cocoanut & Chinawood Oils), Phelan bldg., San Francisco, Cal.
Penn Tank Car Co. (For Gasoline, Crude & Refined Oil, Alkali, Molasses & Alcohol), Sharon, Pa.
**Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.**
Peeves Bros. Co. (The) (Oil & Acid Transporter), Alliance, O.
*See adv index at end of book*
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**
**Treadwell M. H. Co., of Ill., 208 S. La Salle. Chicago, Ill.**
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works, Newburgh, N. Y.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

## 2070— *Cars (Tie)

**Hunt C. W. Co., West New Brighton, N. Y.**
*See adv index at end of book*

## 2071— Cars (Tipple)

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
United Iron Works Co., Inc., Kansas City, Mo.
**Worthington Pump & Machinery Corp., 115 B'way, New York**
*See adv index at end of book*
Youngstown Steel Car Co., Niles, O.

## 2072— Cars (Tower Hand)

**Kalamazoo Railway Supply Co., Kalamazoo, Mich.**
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**

## 2072a— *Cars (Track)

Easton Car & Construction Co. (Industrial Railroad), 198 Fulton, New York
*See adv index at end of book*

## 2073— Cars (Track Laying)

Baltimore Car & Fdry. Co., Pittsburgh, Pa.
**Buda Co., Railway Exch bldg, Chicago, Ill.**
**Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.**
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
**Glover Machine Works, Marietta, Ga.**
**Kalamazoo Railway Supply Co., Kalamazoo, Mich.**
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
**Ramapo Iron Works, Hillburn, N. Y.**

## 2074—Cars (Trackless Trolley)

Trackless Trolley Co. of Am., 50 Church, New York

## 2075—*Cars (Traction Engine)

**ELECTRIC WHEEL CO.** (Heavy Truck Cars), Station D, Quincy, Ill.
*See adv index at end of book*

## 2076— Cars (Tram)

Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, O.
*See adv index at end of book*
Gregg Co., Ltd., Hackensack, N. J.
Helmick Fdry. & Machine Co., Fairmont, W. Va.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Ramapo Iron Works, Hillburn, N. Y.
Roberts & Schaefer Co., 332 S. Michigan av, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sanford-Day Iron Works, 612 Dale av, Knoxville, Tenn.
Truax Mfg. Co., Denver, Colo.
Union Iron Works, Spokane, Wash.
United Iron Works Co., Inc., Kansas City, Mo.
Youngstown Steel Car Co., Niles, O.

## 2077— Cars (Transfer)

**Anderson Foundry & Machine Works (For Brick Yards, etc), Anderson, Ind.**
**Atlas Car & Mfg. Co., Cleveland, O.**
*See adv index at end of book*
**Bonnot Company (Double Transfer), Canton, O.**
**Cement Tile Machy. Co. ("Ideal"), Waterloo, Iowa**
Chambers Bros. Co., 52d below Lancaster av, Phila., Pa.
**CHASE FOUNDRY & MFG. CO., 2700 Parsons av, Columbus, Ohio**
*See adv index at end of book*
**EASTON CAR & CONSTRUCTION CO.** (Transformer), 198 Fulton, New York
*See adv index at end of book*
Fairbanks, Morse & Co., Sheffield Plant Three Rivers, Mich.
**Globe Machy. & Supply Co., Des Moines, Ia.**
Goodfellow J. P., Blaine, Wash.
**Helmick Foundry & Machine Co., Fairmont, W. Va.**
**Kent Machine Co., Kent, O.**
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO. U.S.A.

Magor Car Corp., 30 Church, New York
North Coast Dry Kiln Co., Seattle, Wash.
**Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.**
Russel Wheel & Foundry Co. (Steel), Chene & Bl R R, Detroit, Mich.
United Iron Works Co., Inc., Kansas City, Mo.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chciago, Ill.
Youngstown Steel Car Co., Niles, O.

## 2078— *Cars (Tray)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2079— Cars (Trolley Repair)

Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**

## 2080— Cars (Tunnel)

**Bettendorf Co. (All Steel), Bettendorf, Ia.**
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
**Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.**
**Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.**
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Youngstown Steel Car Co., Niles, O.

## 2080a—*Cars (Two Way Dump)

Lakewood Engng Co., Cleveland, O.
*See adv index at end of book*

## 2080b— Cars (V Dump)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO. U.S.A.

## 2081— Cars (Velocipede)

**See also Cars, Inspection; also Cars, Motor Inspection**

**Buda Co., Railway Exch bldg, Chicago, Ill.**
**Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.**
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.

Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Keeter-Hartley Motor Co., Hagerstown, Ind.

## 2082-3— *Cars (Wire)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## Cars (Velocipede, Gasoline Motor)

See Cars, Motor Inspection

## Cars (Warehouse & Factory)

See Trucks, Store, Warehouse, Etc.

## Cars (Wrecking)

See Cranes, Wrecking

## 2084-5—Cartons (Paper Folding)

Cigar Mfg. Co. (Corrugated), 167 41st, Brooklyn, N. Y.
Com. Tri-State Paper Box Co., Nashville, Tenn.
Andrews O. B. Co., Chattanooga, Tenn.
Campbell Paper Box Co., South Bend, Ind.
Chereke-Allen Carton Co., 1701 Chouteau, St. Louis, Mo.
Cummel & Downing Co., Milwaukee, Wis.
Illinois Glass Co. ("Diamond I"), 402 W Randolph, Chicago, Ill.
Paraffine Companies, Inc., The, 34 First, San Francisco, Cal.
*See adv index at end of book*
Pridham R. W. Co., 903 N. Main, Los Angeles, Cal.
Self-Locking Carton Co. (Ventilated Egg In One Dozen & One Half Dozen Sizes), 465 E Illinois, Chicago, Ill.
Thompson & Norris Co., The (Corrugated), 212 Concord, Brooklyn, N. Y.
Trum E. J., Inc., 57 3rd, Broklyn, N. Y.
Vosta Co., Albany, N. Y.
Waldorf Paper Products Co., St. Paul, Minn.
Wayne Paper Goods Co. ("Round Trip" Laundry), Ft. Wayne, Ind.

## 2086-7— *Cartridge Blanks

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Waterbury Mfg. Co., Waterbury, Conn.

## Cartridge Mfrs.

See Ammunition

## Carts (Barrel)

See Carts, Hand & Barrel

## 2088— Carts (Coal)

See also Wagons, Coal
Jackson Mfg. Co., Harrisburg, Pa.
Kilburn Wagon Co., Toledo, O.
Kuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*

## 2089— Carts (Concrete)

See also Cars, Concrete; also Wagons, Asphalt; also Barrows, Concrete & Mortar
Austin W. E. Machinery Co., Atlanta, Ga.
Biehl Iron Wk., Inc., Reading, Pa.
Chicago Builders' Specialties Co., 11 S La Salle, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gray Iron Foundry Co., Reading, Pa.
Hobson & Co., Easton, Pa.
Insley Mfg. Co., 3500 E St. Clair, Indianapolis, Ind.
*See adv index at end of book*
**JACKSON MFG. CO.** ("Jackson"), Fourth & Boyd, Harrisburg, Pa.
Kilbourne & Jacobs Mfg. Co. ("Columbus"), Columbus, O.
*See adv index at end of book*
**LAKEWOOD ENGINEERING CO.** ("Lakewood"), Cleveland, O.
*See adv index at end of book*
Penn Foundry & Mfg. Co., Reading, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
Rockett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
**STERLING WHEELBARROW CO.** ("Sterling" Self-Lubricating Wheels), West Allis, Wis.
*See adv index at end of book*
Toledo Wheelbarrow Co. ("Bull Frog"), 2400 B'way, Toledo, O.

## 2090—Carts (Concrete Spreading Dump)

Briggs Labor Saving Specialty Co., Waterloo, Ia.
Lansing Co., Lansing, Mich.

## 2091— Carts (Crushed Ice)

Gifford-Wood Co., Hudson, N. Y.

## 2092-3— Carts (Dumping)

See also Wagons, Dumping
Acme Wagon Co., Enigsville, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Auburn Wagon Co., Martinsburg, W. Va.
Bain Wagon Co., Kenosha, Wis.
Biehl Iron Works, Inc., Reading, Pa.
Chattanooga Wheelbarrow Co. (For Concrete), Chattanooga, Tenn.
**ELECTRIC WHEEL CO.**, Station D, Quincy, Ill. *See adv index at end of book*
Etnyre E. D. & Co. ("Tipover"), Oregon, Ill.
Fort Smith Wagon Co., Fort Smith, Ark.
Henderson Wagon Works, Henderson, Ky.
Hill E. W. (Steel), 24 Pollock av, Jersey City, N. J.
Hobson & Co., Easton, Pa.
Hvass Chas. & Co., 511 E 18th, New York
Kentucky Wagon Mfg. Co. ("Old Hickey," "Tennessee"), Louisville, Ky.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
Knapheide Henry Wagon Co., Quincy, Ill.
Lansing Co., Lansing, Mich.
Linstroth Wagon Co., 2616 Chouteau av, St. Louis, Mo.
MacLean & McCurdy ("MacLean," for Contractors), Dorchester, Boston, Mass.
Nissen Geo. E. & Co., Winston-Salem, N. C.
Overpack S. C., Manistee, Mich.
Owensboro Wagon Co., Owensboro, Ky.
Quaker City Iron Works (Contractors' Steel), Tioga & Richmond, Phila., Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
Schuttler Peter Co., 2509 W 22d, Chicago, Ill.
Smith & Sons Mfg. Co., Kansas City, Mo.
**STERLING WHEELBARROW CO.** (Foundry), West Allis, Wis.
*See adv index at end of book*
Streich A. & Bro. Co., Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
Sweet B. F. & H. L. Co., Fond-du-Lac, Wis.
Swift Mfg. Co. ("Swift's Practical"), Waterloo, Ia.
Tiffin Wagon Co. (Steel Bucket), Tiffin, O.
Wellington Machine Co. (Brick, etc), Wellington, O.
Western Wheeled Scraper Co., Aurora, Ill.
White Hickory Wagon Mfg. Co., East Point, Ga.
Winona Wagon Co., Winona, Minn.
Wright Thos. Co., 71 Colden, Jersey City, N. J.

## Carts (Garbage)

See Wagons, Garbage, Etc

## 2094— Carts (Hand & Barrel)

See also Trucks, Bag & Barrel
Ames Plow Co., Quincy Hull, Boston, Mass
Aubeuf Frank J., Inc. ("Merrimac," "Monitor" Hand Carts only), Oneida, N. Y.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Belle City Mfg. Co. ("Belle City"), Racine, Wis.
Brown-Manly Plow Co. ("Malta"), Malta, Ohio
Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
**ELECTRIC WHEEL CO.**, Station D, Quincy, Ill. *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Gendron Wheel Co. ("Pioneer"), Toledo, O.
Havana Metal Wheel Co. ("Handy"), Havana, Ill.
Hayes Pump & Planter Co., Galva, Ill.
Herschel R. Mfg. Co., Peoria, Ill.
Hobson & Co., Easton, Pa.
Kentucky Wagon Mfg. Co. ("Old Hickory"), Louisville, Ky.
Kilbourne & Jacobs Mfg. Co. ("St. Louis," "Jubilee," "Buckeye," Hand), Columbus, O.
*See adv index at end of book*
La Crosse Plow Co. ("Rival" Barrell), La Crosse, Wis.
Lansing Co., Lansing, Mich.
Lean, Roderick Mfg. Co. ("Butler" Steel Hand Cart), Mansfield, O.
Menasha Wood Split Pulley Co. (Hand Delivery), Menasha, Wis.
Myers F. E. & Bro., 900 Fourth, Ashland, Ohio.
*See adv index at end of book*
New Winona Mfg. Co., Winona, Minn.
Parlin & Orendorff Co. ("P. & O. Canton"), Canton, Ill.
Plattner Yale Mfg. Co. ("Plattner"), Lincoln, Neb.
Puffer-Hubbard Mfg. Co. (Steel Wheel), 32d av. S. & 26th, Minneapolis, Minn.
Sandwich Mfg. Co. ("Enterprise," "Sandwich"), Sandwich, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Steel Basket Co., Cedar Rapids, Ia.
Streich A. & Bro. Co. ("Lumbermen's" Hand Car), Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.
*See adv index at end of book*
Swartwout Mfg. Co. ("Triumph," Hand & Barrel), Clinton, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
White Hickory Wagon Mfg. Co. (Push), East Point, Ga.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 2095-6— Carts (Harrow)

Bloom Mfg. Co., Nashua, Ia.
Deere & Co. ("John Deere"), Moline, Ill.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
La Crosse Plow Co., La Crosse, Wis.
Madison Plow Co. ("Fuller & Johnson"), Madison, Wis.
Moline Plow Co. ("Success," Riding), Moline, Ill.
Ohio Cultivator Co., Bellevue, O.
Parlin & Orendorff Co., Canton, Ill.
Peoria Drill & Seeder Co. ("Kingman," "Great Northern," "O. K.," "Peerless"), Peoria, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Rock Island Plow Co. (Riding), Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.

## Carts (Hose)

See Hose Carriages & Carts

## 2097— Carts (Linemen's)

See also Wagons, Trolley; also Cars, Trolley Repair
Dicke Tool Co., Downers Grove, Ill.

## 2098-9—Carts (Logging & Lumber)

See also Trucks; also Wagons
Archer Iron Works, 2436 W. 34th pl, Chicago, Ill.
**ELECTRIC WHEEL CO.**, Station D, Quincy, Ill.
*See adv index at end of book*
**HEMMING WAGON CO.**, Meridian, Miss
*See adv index at end of book*
Lansing Co., Lansing, Mich.
Overpack S. C., Manistee, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Schwartz, Jos. Co., Ltd., 548 Baronne, New Orleans, La.
Streich A. & Bro. Co., Oshkosh, Wis.
Williams Mfg. Co. ("Forest King"), Macon, Ga.

## 2100—Carts (Pickup or Beam)

Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
*See adv index at end of book*
Hobson & Co., Easton, Pa.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
Lansing Co., Lansing, Mich.

## Carts (Push)

See Carts, Hand & Barrel

## 2101— Carts (Railroad)

Ames Plow Co., Quincy Hall, Boston, Mass.
Bain Wagon Co., Kenosha, Wis.
Hobson & Co., Easton, Pa.
Luedinghaus-Espenschied Wagon Co., 1717 N B'way, St. Louis, Mo.
Milburn Wagon Co., Toledo, O.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co. (Contractors), Tiffin, O

## 2102— Carts (Road Spreading)

American Road Machinery Co. (For Spreading Road Materials for Macadam Roads), Kennett sq, Pa.
Eagle Wagon Works, Auburn, N. Y.
Good Roads Machinery Co., Kennett sq, Pa.
Port Huron Engine & Thresher Co. (Also Wagons), Port Huron, Mich.

## Carts (Sprinkling)

See Street Sprinkling Carts & Wagons

## 2103—Carts (Street Cleaning Hand)

Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Lansing Co., Lansing, Mich.
Wirt & Knox Mfg. Co., 23d & York, Phila., Pa.

## 2104— Carts (Three Wheel)

Standard Scale & Supply Co., 1631 Liberty av, Pitsburgh, Pa.
*See adv index at end of book*
Streich A. & Bro. Co., Oshkosh, Wis.

## 2105— Carts (Two Wheeled)

Kentucky Wagon Mfg. Co., Louisville, Ky
**STERLING WHEELBARROW CO.** (Galvanized all Kinds for Packers), West Allis, Wis. *See adv index at end of book*

## 2106— Carvers (Stone)

Ellin, Kitson & Co., Madison av & 34th, New York
Evans John & Co., 77 Huntington av, Boston, Mass.
Mansfield Fdry. Co., Mansfield, Mass.
Nygard Alfred F., 290 Woodward, Detroit, Mich.
Rochette & Parzini, 218 E 25th, New York
Schellentrager Louis F. & Co., E 10th & Canfield ct, Cleveland, O.
Van Maldern F., 5th & Jumonville, Pittsburgh, Pa.
Whitman Studios, 900 Oxford, Phila, Pa.

## 2107—Carvers, Wood (Classic)

American Wood Carving Co., 2341 Greenview av, Chicago, Ill.
Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Behm Gustav, 715 North av, Chicago, Ill.
Buffalo Grille Co., 270 Court, Buffalo, N.Y.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Duchemin Geo. W., 37 Wainwright, Newark, N. J.
Dux Jos, 2112 W Van Buren, Chicago, Ill.
Ellin, Kitson & Co., Madison av & 34th, New York
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Co. (Architectural), 81 Bristol, Boston, Mass.
Evans John & Co., 77 Huntington av, Boston, Mass.
Fabry T. P. J., Rochester, N. Y.
Gossert Henry, 320 Harmon, Phila., Pa.
Hartmann-Malcolm Co., 847 N Troy, Chicago, Ill.
Klise Mfg. Co., Grand Rapids, Mich.
Kopriwa E. Co., 2220 Ward, Chicago, Ill.
Lamb J. & R., 25 6th av, New York
Mascheroni Jos., 2172 Clybourne av, Chicago, Ill.
Nygard Alfred F., 290 Woodward, Detroit, Mich.
Ornamental Products Co. ("Lignive," Unbreakable), 14th & Lafayette, Detroit, Mich.
Peirce W. E. & Co., Milford, N. H.
Plastic Relief Mfg. Co., 1959 Fulton, Chicago, Ill.
Pride Willis A., 43 Bristol, Boston, Mass.
Reddinger P. H. Mfg. Co., Evansville, Ind.
Rochette & Parzini, 218 E 25th, New York
Root C. R., Hartford, Conn.
Schellentrager Louis F. & Co., E 10th & Canfield ct, Cleveland, O.
Schneider F. H., 631 W. Belden av, Syracuse, N. Y.
Thomas & Co., Worcester, Mass.
Van Maldern F., 5th & Jumonville, Pittsburgh, Pa.
Waddell Mfg. Co., Grand Rapids, Mich.
Western Builders' Supply Co. ("Compo"), 135 2d, San Francisco, Cal.
Whitman Studios, 900 Oxford, Phila., Pa.
Zork Mfg. Co., 1509 N Halsted, Chicago, Ill.

## 2108— Case Hardening

See also Compounds, Case Hardening & Tempering, also Steel Hardening

American Metal Treatment Co., Elizabeth, N. J.
Ashley Machine Works, Rochester, N. Y.
Bidle W S Co., 1411 E 45th, Cleveland, O.
Bliss A. H. & Co., No. Attleboro, Mass.
Boston Gear Works, Quincy, Mass.
*See adv index at end of book*
Bridgeport Metal Treating Co., Bridgeport, Conn.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Chicago Metal Treating Co., 4032 N Rockwell, Chicago, Ill.
Cleveland Metal Treating & Welding Co., 4829 Lexington av, N E, Cleveland, O.
**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Conn. Metal Treating Co., Inc., Bridgeport, Conn.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Durbrow & Hearne Mfg. Co., 12 Wooster, New York
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Easton Machine Co., 24 Milk, Boston, Mass.
Frasse Peter A. & Co., Inc., 417 Canal, New York. Works: Hartford, Conn.
Keller Mfg. Co., 21st & Allegheny, Phila, Pa.
Kohler Die & Specialty Co., De Kalb, Ill.
Lansing Forge Co., Lansing, Mich.
Larson Chas. E., 111 N Desplaines, Chicago, Ill.
Matthews H. A. Mfg. Co., Seymour, Conn.
Matthews Mfg. Co., 104 Gold, Worcester, Mass.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Myall-Wallace Co., 17 E Austin av, Chicago, Ill.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.
Newark Metal Treating Co., Newark, N. J.
New England Annealing & Tool Co. (Carbon & High Speed Steel), 74 K, S Boston, Mass.
Norfolk Hardening Works, Inc., 30 Federal, Boston, Mass.
Norris Noiseless Pedal Action Co., Stoughton, Mass.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Roberts Mfg. Co., Lockport, N. Y.
Sier-Bath Co., 143 W 54th, New York
Steel Improvement & Forge Co. ("Infuso"), 5003 Windsor, Cleveland, O.
Sterling Drop Forge Works, 112 N La Salle, Chicago, Ill.
U. S. Ring Traveler Co., 159 Aborn, Providence, R. I.
Van Doren Mfg. Co., Chicago Heights, Ill.
Vincent Steel Process Co. ("Vincent" Process), 751 Bellevue av, Detroit, Mich.
Williams J. H. & Co. (Annealing, Carbonizing, Case Hardening & Tempering), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 2109— Casein

Amalgamated Gum Co. (Vegetable), Troy, N. Y.
Atterbury Bros. (French Imported), 145 Nassau, New York
Bird J. A. & W. & Co., 88 Pearl, Boston, Mass.
Casein Mfg. Co., 13 Park row, New York
Hamilton Co., 50 Church, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**INNIS, SPEIDEN & CO., INC.**, 46 Cliff, New York. *See adv index at end of book*
Kalbfleisch Corp., 31 Union sq, New York
Klipstein A. & Co. (Dealer), 644 Greenwich, New York
National Milling & Chemical Co., Harper's Mills, Phila., Pa.
Oxide Mfg. Co., Arlington, Mass.
Union Casein Co., 2314 Wood, Phila., Pa.

## 2109a—*Cases (Ammunition)

Bogert & Hopper, Inc. (Wood for Cartridges), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*

## 2110— Cases (Blacking)

Behrend Jacob, 118 Allen, Phila., Pa.
Dillingham Mfg. Co., Sheboygan, Wis.
Romer Mfg. Co., 203 Diamond, Brooklyn, N. Y.
Stokes Wm. A. & Co., 50 Howard, New York
Udell Works, Indianapolis, Ind.
Van Arnam Mfg. Co., Fort Wayne, Ind.

## 2111— Cases (Bottlers')

Hightower Box & Tank Co., Atlanta, Ga.

## 2111a— Cases (Card)

Ferree E. H. Co., Lockport, N. Y.
Florin Philip, 465 Broome, New York
Waterbury Mfg. Co., Waterbury, Conn.

## 2111b— *Cases (Carrying)

**KNICKERBOCKER CASE CO.** (Typewriter, etc), Fulton & Clinton, Chicago, Ill. *See adv index at end of book*

## 2112—Cases (Clock & Watch)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS** (Wooden), 364 5th av, New York
Waterbury Mfg. Co., Waterbury, Conn.

## 2112a— Cases (Comb)

The Arlington Works (du Pont E. I. de Nemours & Co.), Wilmington, Del.

## 2112b— *Cases (Drill)

**WHITMAN & BARNES MFG. CO.**, Akron, O. *See adv index at end of book*

## 2112c—Cases (Drinking-Cup)

The Arlington Works (du Pont E. I. de Nemours & Co.), Wilmington, Del.

## 2113— Cases (Egg)

American-Blakeslee Mfg. Co., Birmingham, Ala.
Anderson-Tully Co., Memphis, Tenn.
Beaufort Veneer & Package Co., Beaufort, S. C.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Cherry J. G. Co., Cedar Rapids, Iowa.
Chicago Mill & Lumber Co., 111 W Washington, Chicago, Ill.
North Star Egg Case Co., Quincy, Ill.
Creamery Package Mfg. Co., 61 W Kinnie, Chicago, Ill.
Omaha Box Co., Omaha, Neb.
Peterson-Miller Box Co., Cairo, Ill.
Portland Egg Case Co., Portland, Ind.
Smith L. J., Eaton Rapids, Mich.
Urbana Egg Case Co., Urbana, O.

## 2114— *Cases (Eye Glass)

Farrington Mfg. Co., 23 Vale, Boston, Mass.
Schimper William & Co., 322-338 Ferry, Hoboken, N. J., and 33 Union sq W, New York *See adv index at end of book*

## 2115—*Cases (Fishing Tackle)

**KNICKERBOCKER CASE CO.** (Leather), Fulton & Clinton, Chicago, Ill.
*See adv index at end of book*

## 2116— Cases (Jewelry)

**American Morocco Case Co., 217 E 38th, New York**
**Arlington Works, The (du Pont E. I. de Nemours & Co.), Wilmington, Del.**
**Bogert & Hopper, Inc.** (Wood), 57 Barclay, New York. *See adv index at end of book*
**Borgzinner S. Co., Orange, N. J.**
**Buffalo Jewelry Case Co., Buffalo, N. Y.**
**Brooks Mfg. Co., 221 High, Boston, Mass.**
**Carow J. & Co., 85 Warren, New York**
**Chicago Plush & Leather Case Co., 110 N Franklin, Chicago, Ill.**
**Dennison Mfg. Co., 26 Franklin, Boston, Mass.**
**Estes E. B. & Sons** (Wood), 358 5th av, New York *See adv index at end of book*
**Ettlinger Louis & Sons, 65 Nassau, New York**
**Farrington Case Co., 116 Nassau, New York**
**Frank & Gutmann, 25 W 8th, New York**
**Globe Jewelry Case Co., 127 Spring, New York**
**Housman C. H., 78 Bedford, Boston, Mass.**
**Ideal Leather Goods Co., 326 Dean, Providence, R. I.**
**Iersemann Max, 105 Maiden la, New York**
**Kahle Wm., 21 Broomfield, Boston, Mass.**
**Kraft Theo. & Sons, 458 W B'way, New York**
**Lehmann Ludwig, 72 Beekman, New York**
**Manhattan Wood Novelty Co., 40 Fulton, New York**
**Mozar & Co., 38 Maiden la, New York**
**Muhs Antonio, 114 Kearny, San Francisco, Cal.**
**Nadelman Lesser, 106 W 28th, New York**
**National Jewelry Case Co., 642 Michigan av, Buffalo, N. Y.**
**Rubenstein L, 380 Lafayette, New York**
**Rueckert Mfg. Co., 162 Clifford, Providence, R. I.**
**Standard Wood Novelty Co., 446-450 Water, New York**
**Warner Jewelry Case Co., 642 Michigan av, Buffalo, N. Y.**
**Wiggers & Froelick, 8 Dutch, New York**
**Wolfsheim & Sachs, 35 Maiden la, New York**
**Zimmerman & Weber, 242 W 41st, New York**

## 116a— *Cases (Mailing)

**Estes E. B. & Sons** (Wood), 364 Fifth av, New York *See adv index at end of book*
**Rogers Fibre Co.** ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

## 117-18—Cases (Mailing for Liquids)

**BOGERT & HOPPER, INC.,** 57 Barclay, New York. *See adv index at end of book*
**Eagle Envelope Co.** (For Parcel Post), 5 S Wabash av, Chicago, Ill.
*See adv index at end of book*
**Estes E. B. & Sons** (Wood), 364 5th av, New York *See adv index at end of book*
**Improved Mailing Case Co., 309 B'way, New York**
**Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.** *See adv index at end of book*
**St. Louis Paper Can & Tube Corp'n, St. Louis, Mo.**
**Union Paper Co., 844 Washington, New York**
**Western Box Co., 326 River, Chicago, Ill.**

## 119— Cases (Miners' Squib)

**National Enameling & Stamping Co., 411 5th av, New York**

## 119a— Cases (Nail-Brush)

**The Arlington Works (du Pont E. I. de Nemours & Co.), Wilmington, Del.**

## 120— *Cases (Optical)

**Bogert & Hopper, Inc.** (Wood), 57 Barclay, New York. *See adv index at end of book*
**Estes E. B. & Sons, 364 Fifth av, New York**
***See adv index at end of book***

## Cases (Packing)

**See Packing Boxes**

## 2121— Cases (Pen & Pencil)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York
*See adv index at end of book*
**Cross A. T. Pencil Co., 53 Warren, Providence, R. I.**
**Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.**

## 2122— Cases (Piano)

**Bauerle & Stark Co., 1147 W Ohio, Chicago, Ill.**
**Courtade Jos. N. & Sons, 516 W 24th, New York**
**Grand Rapids Piano Case Co. (Ltd.), Grand Rapids, Mich.**
**Imperial Mfg. Co., Stamford, Conn.**
**Mullin & Wendt, New Brunswick, N. J.**
**Paterson Piano Case Co., Paterson, N. J.**
**Richardson Piano Case Co., Leominster, Mass.**
**Schwamb Theo. Co., Arlington Heights, Mass.**
**Smith F. G., 115 B'way, New York**
**Wellington Piano Case Co., Leominster, Mass.**

## 2123— Cases (Pocket Knife)

**Cauter E. A. (Chamois), 204 Church, New York**

## 2124— Cases (Razor)

**Bogert & Hopper, Inc.** (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons** (Wood), 364 Fifth av, New York
*See adv index at end of book*
**Witte, Alexis, Cutlery Co.** (Leather), 36 Erasmus, B'klyn, N. Y.

## 2124a—Cases (Railroad Ticket)

**American Railway Supply Co., 134 Charles, New York**
**National Ticket Case Co., 842 W 35th, Chicago, Ill.**

## 2125— Cases (Salesman's)

**(Catalog, Brief, Letter, etc)**

**Kamlee Co., 448 E Water, Milwaukee, Wis.**
**Knickerbocker Case Co., Fulton & Clinton, Chicago, Ill.** *See adv index at end of book*
**Warren Leather Goods Co., Worcester, Mass.**

## 2126— Cases (Sample)

**Chicago Case Mfg. Co., 213 N Morgan, Chicago, Ill.**
**Cummings Josiah & Son ("Hub"), 657 Atlantic av, Boston, Mass.**
**Fibre Specialty Mfg. Co. ("Hercules" Vulcanized Fibre), Kennnett Square, Pa.**
**Kamlee Co., 448 E Water, Milwaukee, Wis.**
**Kennebunk Mfg. Co.** (Fibre), Milton, N. H.
**Knickerbocker Case Co., Fulton & Clinton, Chicago, Ill.**
*See adv index at end of book*


SAMPLE CASES

for anything and everything
*in stock or made-to-order*

Knickerbocker Case Company
**Fulton and Clinton Sts., Chicago, Ill.**


**ROGERS FIBRE CO.** ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
**Schmeers Paper Box Co., Syracuse, N. Y**
**Scheider Bros., 32 W Pearl, Cincinnati, Ohio**

## 2126a—Cases (Screw Cover Mailing)

**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***

## 2126b— Cases (Shaving Brush)

**The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.**

## 2126c— Cases (Shaving Stick)

**The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.**

## 2127— Cases (Shipping)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons** (Wood), 364 5th av, New York. *See adv index at end of book*
**Illinois Glass Co.** (Wood) ("Diamond I"), 402 W Randolph, Alton, Ill.
**Paraffine Companies, Inc., The** (Corrugated), 34 First, San Francisco, Cal.
*See adv index at end of book*

## 2128—Cases (Shipping, Fibre)

**See also Packing Box Mfrs.**

**Already Box Co., Danville, Ill.**
**Am. Fibre Package Co. Div. Am. Box Board Co., Grand Rapids, Mich.**
**American Paper Products Co., 2nd & Bremen av, St. Louis, Mo.**
**Battle Creek Paper Co. Ltd., Battle Creek, Mich.**
**Bird & Son** ("Neponset"), East Walpole, Mass.
**Buffalo Box Factory, Buffalo, N. Y.**
**Canister Co. of New Jersey, Phillipsburg, N. J.**
**Carthage Board & Paper Co., Carthage, Ind.**
**Corrugated Paper Products Co., 221 W 26th, New York**
**Danbury Square Box Co., Danbury, Conn.**
**Gair Robert Co., 50 Washington, Brooklyn, N. Y.**
**HINDE & DAUCH PAPER CO.,** Sandusky, O.
**Lindley Box & Paper Co., Gas City, Ind.**
**Mengel Box Co., Louisville, Ky.**
**MID-WEST BOX CO.,** 111 W Washington blvd, Chicago, Ill.
**Ohio Box Board Co., 1390 E 30th, Cleveland, O.**
**Paraffine Companies, Inc., The, 34 First, Phila., Pa.**
*See adv index at end of book*
**Pennsylvania Fibreform Co., 119 S 4th, Phila., Pa.**
**River Raisin Paper Co., Monroe, Mich.**
**Rogers Fibre Co.** ("Leatheroid'), 121 Beach, Boston, Mass.
*See adv index at end of book*
**St. Louis Paper Can & Tube Corp'n** (Fibre), St. Louis, Mo.
**Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.**
**Seneca Falls Folding Box Co., Seneca Falls, N. Y.**
**Thompson & Norris Co., 212 Concord, Brooklyn, N. Y.**
**Tonawanda Board & Paper Co., Tonawanda, N. Y.**
**Waldorf Paper Products Co., St. Paul, Minn.**

## 2129— Cases (Shipping, Metal)

**Dail Steel Products Co., Lansing, Mich.**
**Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.**
**Gem Stamped Steel Co., Chelsea, Mass.**

## Cases (Shoe Polishing)

**See Cases, Blacking**

## 2129a— *Cases (Spectacle)

**Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York.** *See adv index at end of book*

## 2130— Cases (Steel Bottle)

**Defiance Pressed Steel Co., Defiance, O.**

## Cases (Suit)

**See Traveling Bags & Suit Cases**

## 2130a— Cases (Syringe)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*

## Cases (Tire)

**See Covers, Tire**

## 2131— Cases (Tool)

**Gerstner H. & Sons ("Gerstner"), Dayton, O.**
**Lorenz Wm. Trunk Wks, Inc. (Fibre), 212 Marquette av, Minneapolis, Minn.**
**Peck Hardware Mfg. Co. (Metal), Berlin, Wis.**
**Pilliod Lumber Co. ("Pilliod"), Swanton, ton, O.**
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
**Wedell & Boers ("W. & B."), 157 Jefferson, Detroit, Mich.**
Weydell F. O., 12 S Clinton, Chicago, Ill.

## 2131b— Cases (Tooth-Brush)

The Arlington Works, E. I. du Pont de Nemours & Co.), Wilmington, Del.
Waterbury Mfg. Co., Waterbury, Conn.

## 2132— Cases (Torpedo)

American Welding Co. (Welded), Carbondale, Pa.

## 2133-4— Cases (Type)

American Type Founders Co., 200 William, New York
**Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.**
Hamilton Mfg. Co., Two Rivers, Wis.
Wesel F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

## Casings (Gear Shield)

See Gear Cases

## 2135-6—Casings (Steam Pipe)

See also Pipe, Wooden

**American District Steam Co. ("Standard" Asphaltum Pitch Coated Wood), North Tonawanda, N. Y.**
Armstrong Cork & Insulation Co. (Cork), 24th & A. V. R. R., Pittsburgh, Pa.
**CONTINENTAL PIPE MFG. CO.**, Seattle, Wash. *See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**Michigan Pipe Co. (Tin Lined Wood for Insulating Underground Steam & Hot Water Heating Pipes), Bay City, Mich.**
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
**Wyckoff A. & Son Co. (Wood), Elmira, N. Y.**

## 2137— Casseroles

Cleveland Stamping & Tool Co., E 53rd & Hamilton, Cleveland, O.
Durion Castings Co. (Acid Proof), Dayton, O.
**Farber, S. W., 147 S 5th, Brooklyn, N. Y.**
Friedman Joseph, 114 5th av, New York
**Landers, Frary & Clark ("Universal" China & Pottery Lined), New Britain, Conn.**
**Limoges China Co., Sebring, O.**
Manning-Bowman & Co., Meriden, Conn.
Ohio Pottery Co. (Porcelain), Zanesville, O.
Prisk, Wm. M. & Sons Mfg. Co., Yalesville, Conn.
**Roseville Pottery Co., Zanesville, O.**
Sweeney W. H., Mfg. Co., 30 Main, Brooklyn, N. Y.
Thermal Syndicate, Ltd., 50 E 41st, New York
Wagner Mfg. Co. ("Wagner Ware" Cast Aluminum), Sidney, Ohio

## Cast Iron Filler

See Cements, Iron & Steel Filler

## 2138—Cast Iron Pipe (High Pressure)

**Coldwell-Wilcox Co. (For Steam or Water), Newburgh, N. Y.**
Farrar & Trefts, Inc., Buffalo, N. Y.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**Russel Wheel & Foundry Co. (Special), Chene & Bl. R. R., Detroit, Mich.**
**Wood, R. D. & Co. (For Fire Protection), 400 Chestnut, Phila., Pa.**

## 2139—Cast Iron Pipe Mfrs. (Gas & Water)

Alabama Pipe & Foundry Co., Anniston, Ala.
**American Car & Foundry Co. (3 to 42 inches), Syndicate Trust bldg., St. Louis, Mo.**
**American Cast Iron Pipe Co. (Hub & Spigot Pipe & Fittings), Birmingham, Ala.**
**American Casting Co., ("National" Lock Joint), Birmingham, Ala.**
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**Builders' Iron Foundry ("Globe Specials," Also Fittings of All Kinds for Same), 9 Codding, Providence, R. I.**
Camden Iron Works, Camden, N. J.
**Central Foundry Co. ("Universal," also Ammonia & Steam), 90 West, New York**
**Clow James B. & Sons (2 to 48-inch), Franklin & Harrison, Chicago, Ill.**
**Colonial Supply Co. (Jobbers), 414 1st av, Pittsburgh, Pa.**
*See adv index at end of book*
**Colorado Fuel & Iron Co. (3 to 20-inch), Denver, Col.**
**Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.**
**Donaldson Iron Co. (2 to 36 inches), Emaus, Pa.**
Drummond M. J. & Co., 51 Chambers, New York
**Fox Jno. & Co. (Mfrs. Agts), 253 B'way, New York**
**Fuller Iron Works (Cast Iron Flange & Socket Pipe), 40 Tockwotton, Providence, R. I.**
**Glamorgan Pipe & Foundry Co. (1½ to 36-inch), Lynchburg, Va.**
**Larkin J. K. & Co., 34 Reade, New York**
*See adv index at end of book*
Limbert Geo. B. & Co., 558 Fulton, Chicago, Ill.
**Lynchburg Foundry Co., Lynchburg, Va.**
**Nason Mfg. Co. (Jobbers), 71 Fulton, New York**
Oregon Iron & Steel Co. (4 to 32-inch), Concord bldg, Portland, Ore. Works: Oswego, Ore.
**Russel Wheel & Foundry Co. (High Pressure Water, Specials), Chene & Bl. R. R., Detroit, Mich.**
**Standard Cast Iron Pipe & Foundry Co., Bristol, Pa.**
Standard Foundry Co., Anniston, Ala.
Superior Mfg. Co., Bessemer, Ala.
**U. S. Cast Iron Pipe & Foundry Co. (Gas & Water, Sewer & Culvert, 2 to 84 inches), Burlington, N. J.**
**Warren Foundry & Machine Co. (3 to 60-inch), Phillipsburg, N. J.**
**Wood R. D. & Co. (1 to 72-inch), 400 Chestnut, Phila., Pa.**

## 2140—Cast Iron Soil Pipe & Fittings Mfrs.

For Jobbers of These Goods, See Plumbers' Supplies, Jobbers
Abendroth Bros. (2 to 10-inch), Port Chester, N. Y.
Alabama Pipe & Foundry Co., Anniston, Ala.
Anniston Foundry Co., Anniston, Ala.
Bessemer Pipe Wks, Bessemer, Ala.
**Casey-Hedges Co., Chattanooga, Tenn.**
Central Foundry Co. (All Sizes), 90 West, New York
**Charlotte Pipe & Foundry Co., Charlotte, N. C.**
**Crown Pipe & Foundry Co. (Up to 8 inches), Jackson, O.**
Essex Foundry, Murray, Newark, N. J.
**Franklin Pipe & Foundry Co., 2438 S Paulina, Chicago, Ill.**
Gadsden Pipe Co., Gadsden, Ala.
Glenn Fred E. (Extra Heavy & Standard Pipe & Complete Line of Fittings), St. Charles, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hallman Oliver F., Mont Clare, Pa.
Hercules Foundry Co. (Cast Iron), Boyle & Slawson av, Los Angeles, Cal.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

Johnson J. D. Co. (2 to 15 ft), 43 Boerum pl, New York
Kilby Pipe & Foundry Co., Birmingham, Ala. *See adv index at end of book*

KILBY PIPE & FOUNDRY COMPANY
Birmingham, Alabama
*Manufacturers of*
SOIL PIPE AND FITTINGS

Krupp Foundry Co., Lansdale, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Medina Foundry Co., Medina, N. Y.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
National Foundry Co. (2 to 10-inch), 10 Sanford, Brooklyn, N. Y.
National Pipe & Fdry Co., Attalla, Ala.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Reading Foundry & Supply Co., Reading, Pa.
Sanitary Co., Drexel bldg, Phila., Pa.
Saul Eugene C., Monadnock bldg., San Francisco, Cal.
Somerville Iron Works, Somerville, N. J.
South Pittsburg Foundry Co., S Pittsburg, Tenn.
Standard Foundry Co., Anniston, Ala.
Superior Mfg. Co., Bessemer, Ala.
**Union Foundry Co. ("U. F. Co."), Anniston, Ala.**
Union Sanitary Mfg. Co., Noblesville, Ind.
**Wetter H. Mfg. Co., Memphis, Tenn. Works: South Pittsburg, Tenn.**
Wolff H. Mfg. Co. (2 to 12-inch), 255 N Hoyne av, Chicago, Ill.

## 2141-2—Casters (Bed & Furniture)

**A. B. Stove Co., Battle Creek, Mich.**
**Armstrong Truck Co. (Ball Bearing & Friction Swivel), North Wales, Pa.**
**Belt Grip Pulley Co., 182 Breckenridge, Buffalo, N. Y.**
**Burns & Bassick Co. Division of the Bassick Co. ("Feltoid"), Bridgeport, Conn.**
Clark Geo. P. Co., Windsor Locks, Conn.
**Coleman Hardware Co., 122 S Michigan av, Chicago, Ill.**
Columbia Ball Caster Co. ("Columbia" Revolving Steel Ball, Stem, Plate, etc), 160 N 5th av, Chicago, Ill.
**Faultless Caster Co. ("Faultless," "Bull Dog," "New Idea" Noisless Wheel, Fibre Wheel, Glass Insulating, etc), Evansville, Ind.**
**Foster, Merriam & Co. ("Victor"), Meriden, Conn.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hamilton Caster & Mfg. Co., Hamilton, O.
Heron Mfg. Co. (Metal Bed, Wool Wheel), Utica, N. Y.
Inlaid Floor Co., 600 Alabama, San Francisco, Cal., & 4067 Watts, Emeryville, Cal.
**Keystone Friction Hinge Co. ("20th Century"), Williamsport, Pa.**
Niksah Snow Guard Co. (Sliding), 5 Mt. Pleasant, Worcester, Mass.
Parker Charles Co. (Piano), Meriden, Conn
Payson Mfg. Co. ("Payson" Anti-Friction Furniture), 2918 W Jackson blvd, Chicago, Ill.
**Pennsylvania Stamping Co., York, Pa.**
Phoenix Caster Co., Indianapolis, Ind.
Sargent & Co., New Haven, Conn.
Saul Eugene C., Monadnock bldg, San Francisco, Cal.
Schatz Mfg. Co. ("Acme" Ball Bearing), Poughkeepsie, N. Y.
Schenck M. B. Co. Div. ("Yale"), Meriden, Conn.—see The Bassick Co., Bridgeport, Conn.
Schriver O. P. & Co. (Anti-Friction, "Hercules," "I X L"), 621 E Pearl, Cincinnati, O.
**Tucker & Dorsey Mfg. Co. ("Martin," "Tucker," "Boss" & "Stengel"), Indianapolis, Ind.**
**Universal Caster & Foundry Works ("Grip Neck," "Philadelphia," "Oblong Plate," Ball Bearing Iron, Steel & Brass Piano, Bedstead, Furniture, etc), Newark, N. J.—see the Bassick Co., Bridgeport, Conn.**

ber-Knapp Co. (Roll & Sliding), Jamestown, N. Y.
rightsville Hardware Co., Wrightsville, Pa.

## Casters (Piano)

See Casters, Bed & Furniture

## Casters (Sliding)

See Shoes, Sliding Furniture

## 43-4—Casters (Stove & Truck)

ams Co. ("Adams" Stove), Dubuque, Ia.
mstrong Truck Co., North Wales, Pa.
nold & Co., Norwalk, Conn.
**ND FOUNDRY & MACHINE CO.,** Manheim, Lancaster Co., Pa.
*See adv index at end of book*
cago Hardware Foundry Co. ("Harper Handy"), North Chicago, Ill.
rk Geo. P. Co., Windsor Locks, Conn.
**eman Hardware Co., 122 S Michigan,** Chicago, Ill.
**LAWARE HARD FIBRE CO.** (Fibre), Wilmington, Del.
*See adv index at end of book*
**ine Bros. Co. (Cushioned Truck Only), Utica, N. Y.**
hart Hardware Mfg. Co. (Anti-Friction), Elkhart, Ind.
rbanks Co. (Plain & Ball Bearings), 416 Broome, New York
**ter, Merriam & Co. ("Victor"),** Meriden, Conn.
mmes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
milton Caster & Mfg. Co., Hamilton, O.
**ENIG EDWARD L.,** 23 W Kinzie, Chicago, Ill. *See adv index at end of book*
sing Co., Lansing, Mich.
ional Fibre & Insulation Co., Yorklyn, Del.
son Mfg. Co. (Anti-Friction Truck), 2918 W Jackson blvd, Chicago, Ill.
**ding Hardware Co., (Store Truck), Reading, Pa.**
gent & Co., New Haven, Conn.
l Eugene C., Monadnock bldg., San Francisco, Cal.
enck M. B. Co. Div. ("Yale," "Gem"), Meriden, Conn.—see the Bassick Co., Bridgeport, Conn.
river O. P. & Co. ("Hercules"), 621 E Pearl, Cincinnati, O.
**rns E. C. & Co., 450 Oneida, Syracuse N. Y.**
**RLING WHEELBARROW CO.,** West Allis, Wis. *See adv index at end of book*
**ker & Dorsey Mfg. Co. ("Tucker"), Indianapolis, Ind.**
versal Caster & Foundry Works, Newark, N. J.—see the Bassick Co., Bridgeport, Conn.
ng H. Mfg. Co. (Truck), Oakley, Cincinnati, O. *See adv index at end of book*

## 5—Castings (Acid Resisting)

Proof Iron Products Co., 41 Hermon, Newark, N. J.
vn Bros., Stamford, Conn.
*See adv index at end of book*
nner Machy. Co. (For Chem. & Zinc Companies), Peru, Ill.
**FFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**k J. Alfred, 35th & Gray's Ferry rd,** Philadelphia, Pa.
s Sewing Machine Co., Dayton, O.
**ne J. P. Co., Buffalo, N. Y.**
ron Castings Co., Dayton, O.
**LER-LEHIGH CO.,** Fullerton, Pa.
*See adv index at end of book*
ch John Bronze & Foundry Co., Madson av., Cleveland, O.
**KENHEIMER CO., Executive Offices & Factories: Beekman & Waverly. Cincinnati, O.**
*See adv index at end of book*
gan Engineering Co., Alliance, O.
*See adv index at end of book*
eer Alloy Products Co, Inc, 16601 Euclid av, Cleveland, O.

## —Castings (Air Furnace)

**rican Foundry & Construction Co., 2d av, & Longworth, Pittsburgh, Pa.**
**sboro Steel Foundry & Machine Co.,** Birdsboro, Pa.
**ley-Floyd Co. (Open-Hearth, Converter & Electric Steel),** Columbus, O.
n Bros., Stamford, Conn.
*See adv index at end of book*
**mbersburg Engineering Co. (Up to 100 tons), Chambersburg, Pa.**
Fuller-Lehigh Co. (Up to 50 tons), Fullerton, Pa.
**Hubbard Steel Foundry Co., East Chicago, Ind.**
Hunt-Spiller Mfg. Corp. (Gum Iron), 383 Dorchester av, Boston, Mass.
**Hyde Park Foundry & Machine Co., Hyde Park, Pa.**
**Lakeside Malleable Castings Co. (Malleable Iron), Racine, Wis.**
Maumee Malleable Castings Co. (Malleable Iron), Toledo, O.
**MESTA MACHINE CO. (Iron), Box 1124, Pittsburgh, Pa.**
*See adv index at end of book*
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
National Roll & Foundry Co. (Heavy), Avonmore, Pa.
Philadelphia Roll & Machine Co. (Heavy), 25th & Washington av, Phila., Pa.
Reading Iron Co., Reading, Pa.
Rockford Malleable Iron Works (Refined), Rockford, Ill.
Syracuse Malleable Iron Works (Malleable Iron), Syracuse, N. Y.
Wisconsin Malleable Iron Co., South Bay, Milwaukee, Wis.
**Youngstown Foundry & Machine Co.,** Youngstown, O.

## 2147— Castings (Aluminum)

Acieral Co. of Am., 26 Cortlandt, New York City
Albany Steam Trap Co, Albany, N. Y.
Alloyed Metal & Mfg. Co., 4537 Pope av, St. Louis, Mo.
Aluminum Casting & Machine Co., 206 B'way, New York
Aluminum Castings Co. (Lynie), 2210 Harvard, Cleveland, O.
**Aluminum Goods Mfg. Co., Manitowoc, Wis.**
American Brass & Iron Co., 1 Crystal, Detroit, Mich.
**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
**American Safety Lamp & Mine Supply Co., Scranton, Pa.**
Anderson A. H., 1213 Fulton, Chicago, Ill.
Atkinson Co., Rochester, N. Y.
Atlantic Chain Corp., 73 Marion, Long Island City, N. Y.
Atlas Brass Foundry Co., 980 Park, Columbus, Ohio
Atlas Brass Works, 612 Bryant, San Francisco, Cal.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bartlett A. F. & Co., Saginaw, Mich.
Best Light Co., 477 Second N E, Canton, O.
Blake Edwin J., Hartford, Conn.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Brass Foundry Co.; Peoria, Ill.
**Bridgeport Deox Bronze & Metal Co., Bridgeport, Conn.**
Brightwood Brass Foundry, Springfield, Mass.
Brown Bros., Stamford, Conn.
*See adv index at end of book*
Buckeye Iron & Brass Works (Special), Dayton, O.
Cadman A. W. Mfg. Co., 2816 Smallman, Pittsburgh, Pa.
Canton Brass Foundry Co., Canton, O.
Capital Brass Fdry ("Capital"), Salt Lake City, Utah
Capital Brass Works, 596 Franklin, Detroit, Mich.
**Central Specialty Co., 1651 St. Aubin, Detroit, Mich.**
Champion Brass Works, Coldwater, Mich.
Chatham Die-Casting Co., 128 Mott, New York
Chicago Hardware Foundry Co., North Chicago, Ill.
**Chicago Malleable Castings Co., 120th & Racine av, Chicago, Ill.**
Cincinnati Aluminium Casting Co. ("Lumite"), Norwood, Cincinnati, Ohio
**City Brass Foundry Co., 5318 St. Clair av, Cleveland, O.**
Clark D. W. & Co., 280 First, Boston, Mass.
Clark Foundry Co., Rumford, Me.
Clarksville Foundry & Machine Works, Clarksville, Tenn.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Cleveland Aluminum Casting Co., 905 Addison rd, Cleveland, O.
Colonial Fireplace Co., 4631 W 12th St., Chicago, Ill.
Columbus Foundry Co., Inc., 451 Hicks, Brooklyn, N. Y.
**Commutator Co., 121 N. First, Minneapolis, Minn.**
Dake Engine Co., Grand Haven, Mich.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Detroit Foundry Co., Grand blvd, Detroit, Mich.
Detroit Motor Castings Co., 299 Beaufait, Detroit, Mich.
Detroit Shipbuilding Co. (Brass Dept), ft Orleans, Detroit, Mich.
**DIE CASTING CO. OF OHIO (THE),** Toledo, Ohio
Dixie Brass & Foundry Co., Birmingham, Ala.
Eastwood Wire Mfg. Co. (¼ oz to 20,000 lbs), Belleville, N. J.
**Electric Materials Co., North East, Pa.**
Elevator Supplies Co., Hoboken, N. J.
**Ellison Brass Mfg. Co., Jamestown, N. Y.**
Enterprise Fdy. Co., 20 Stewart, San Francisco, Cal.
Erie Bronze Co., 353 W 19th, Erie, Pa.
*See adv index at end of book*
**Erie Specialty Co., 520 W 12th, Erie, Pa.**
Eureka Co., North East, Pa.
Everhart Brass Works, Scranton, Pa.
Exeter Brass Works, Exeter, N. H.
Exeter Machine Works (Rough or Finished), Commercial Trust bldg, Phila., Pa.
**Eynons-Evans Mfg. Co., 1519 Clearfield,** Phila., Pa.
Fallon Thos. F. & Co., Lawrence, Mass.
Faries Mfg. Co., Decatur, Ill.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Fischer-Sweeney Bronze Co., Hoboken, N. J.
Fraim E. T. Lock Co., Lancaster, Pa.
Frankham Wm. Brass & Bronze Works, Canton, O.
Franklin Die Casting Corpn. (Die), 101 Magnolia, Syracuse, N. Y.
Gallison F. L., Lawrence, Mass.
General Aluminum & Brass Mfg. Co., Boulevard & St. Aubin av, Detroit, Mich.
General Railway Signal Co., Rochester, N. Y.
Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park blvd, St. Louis, Mo.
Goldsmith C. A., 270 Thomas, Newark, N. J.
Graham James & Co., New Haven, Conn.
Great Lakes Brass Foundry, Bay City, Mich.
Greenville Iron Works, Greenville, S. C.
Hackett Brass Foundry, 242 Lillibridge, Detroit, Mich.
Hagerstown Foundry Co., Hagerstown, Md.
Hall Printing Press Co., Dunellen, N. J.
Halstead & Co., 1129 Cherry, Phila., Pa.
Hampden Brass Co., Springfield, Mass.
Hancock Mfg. Co., Charlotte, Mich.
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Harley Co., Springfield, Mass.
Harsch John Bronze & Foundry Co, Madison av, Cleveland, Ohio
**Hastings Foundry & Iron Works, Hastings,** Neb.
Hewitt John, East Newark, N. J.
Higgins & Co., Holyoke, Mass.
Highton Wm. & Sons Co., Nashua, N. H.
Hills McCanna Co, 2025 Elston av, Chicago, Ill.
Hoban Brass Fdry. Co., Dayton, O.
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Hough Chas. N. Mfg. Co., Franklin, Pa.
Hughes Bros., Scranton, Pa.
Ideal Bronze Co., 1265 E 55th, Cleveland, O.
Ideal-Die Casting Co., 756 Eddy, Providence, R. I.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
**Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.**
*See adv index at end of book*
Iroquois Foundries, Inc. (Indian Head), 474 Genesee, Utica, N. Y.
**Jackson Brass Foundry Co., Jackson, Mich.**
Jenkins Mfg. Co., Bloomfield, N. J.
**Johnson Bronze Co., New Castle, Pa.**
Jones Jas. Co., Los Angeles, Cal.
K. & M. Brass & Aluminum Castings Co., Harwood & E 103th, Cleveland, O.
Keystone Bronze Co. (High Grade), 39th & A. V. R. R., Pittsburgh, Pa. *See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
Lakey Foundry & Machine Co, Muskegon, Mich.
Lambertville Iron & Steel Co., Lambertville, N. J.

CASTINGS (ALUMINUM)—continued

Laurel Machine & Foundry Co., Laurel, Miss.

**LEBANON GEAR & MACHINE WORKS,** 17th & Forge, Lebanon, Pa.
*See adv index at end of book*

Leetsdale Fdry. & Mfg. Co., Leetsdale, Pa.
Leslie Co. (Bronze), Lyndhurst, N. J.
Levett Walker M. Co., 417 E 23rd, New York
Liberty Brass Works, 305 W Lombard, Baltimore, Md.
Light Mfg. & Foundry Co. ("Automobile"), Pottstown, Pa.
Lima Brass Foundry, Lima, O.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Long Bros., Kokomo, Ind.
Lough Bros, 90 West, New York
Lovell F. H. & Co., Arlington, N. J.

**LUNKENHEIMER Co.** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

McAdamite-Aluminum Co. 57 Isabella av, Detroit, Mich.
McCafferty J. H. Co., 434 Harrison av, Boston, Mass.
McGee Jos. Iron & Brass Fdry. Co., 51 6th, Long Island City, N. Y.
McHatton Foundry Co., 1500 Washington av, Phila., Pa.
Machsts. Foundry Co., Muncie, Ind.
Magnis Co., Inc., 860 N Main, Los Angeles, Cal.
Magnus Metal Co., 111 B'way, New York
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
Mechanics' Foundry & Machine Co., Fall River, Mass.
Messmer Fred Mfg. Co., 2700 S 7th, St. Louis, Mo.
Metal & Alloy Specialties Co., Inc., 25 Illinois, Buffalo, N. Y.
Michael's Art Bronze Co., Covington, Ky.
Midland Brass Works, Fort Worth, Tex.
Miller Engine & Foundry Wks, 2652 Long Beach av, Los Angeles, Cal.
Miller J. Walter Co., Lancaster, Pa.
Mills Wm. A Brass Co., Port Chester, N. Y.
Moak Mach. & Tool Co., Port Huron, Mich.
Monumental Bronze Co., Bridgeport, Conn.
Moran Flexible Steam Joint Co., Louisville, Ky.

**MORE-JONES BRASS & METAL CO.,** Broadway & Dock, St. Louis, Mo.
*See adv index at end of book*

Mosher J. R., Greene, N. Y.
Mousley's Chas. Sons, 457 N 12th, Phila., Pa.
Murphy Timothy Iron Works, Jacksonville, Fla.
Muskegon Aluminum Foundry Co., Muskegon, Mich.
National Aluminum Co., Racine, Wis.
National Art Bronze Wks Co., Pope & Carrie avs, St. Louis, Mo.
National Brass Mfg. Co. (Large or Small), Rochester, N. Y.
National Bronze & Aluminum Foundry Co., 2539 E 79th, Cleveland, O.
Neenah Brass Works, Neenah, Wis.
Newell Fred E., Central Falls, R. I.
North American Smelting Co., 9th & Thompson, Phila., Pa.
North Star Spinning & Mfg. Co., St. Paul, Minn.
North West Foundries, Inc., Rochester, N. Y.
Norwalk Foundry Co., Norwalk, O.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Onondaga Brass Co., Syracuse, N. Y.
Osborn Machine Co., Dubois, Pa.
Owren Casting Co., Attleboro, Mass.
Parsons Co., Newton, Ia.
Penn Brass & Bronze Works, 111 Dobbin, Brooklyn, N. Y.

**PETTIS W. W. CO.,** 416-417 First Nt'l. Bank bldg, Cincinnati, Ohio. *See adv index at end of book*

Philadelphia Hardware & Malleable Iron Works, 9th & Jefferson, Phila., Pa.
Pioneer Brass Works, Indianapolis, Ind.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Price Bros,. Frederick, Md.
Prier Brass Mfg. Co., Kansas City, Mo.
Providence Brass & Aluminum Foundry (1 Grain to 1000 Pounds; also Aluminum Bronze), 460 Eddy, Providence, R. I.
Racine Aluminum & Brass Foundry, Racine, Wis.
Racine Brass & Iron Co., Racine, Wis.
Rath Aluminum & Brass Foundry Co., New Philadelphia, Pa.
Reading Brass Works, Reading, Pa.
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
Remington Machine Co., 411 E Front, Wilmington, Del.
Rempis & Gallmeyer Foundry Co., Grand Rapids, Mich.
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Rider-Bagg Co., Springfield, Mass.
Rock Island Metal Foundry, 505 41st, Rock Island, Ill.
Rogers C. E., 34 Beach, Boston, Mass.
Rosenthal's Jos. W. Sons, 190 Berks. Phila., Pa.
Ruggles Machine Co., Poultney, Vt.
Russell Foundry & Machine Works, 51 6th, Long Island City, N. Y.
Rutember Motor Co., Marion, Ind.
Ryder Brass Foundry Co., Bucyrus, O.
Saint Cloud Iron Works Co., St. Cloud, Minn.
San Diego Machine Co., San Diego, Cal.
Sayre Stamping Co. (High Grade), Sayre, Pa.
Schoen-Jackson Co., Finance bldg, Philadelphia, Pa.
Sharp J. C., Brass Works, Chattanooga, Tenn.
Shave Furnace & Meter Appliance Co., W Warren av & S Delaware, Denver, Colo.
Sheeler-Hemsher Co., 811 Fairmont av, Phila,, Pa.
Sherwood Brass Works, 1167 Jeff E., Detroit, Mich.
Shoop Bronze Co., Tarentum, Pa.
Silver Aluminum Metal Co., 294 Taaffe pl, B'klyn, N. Y.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith Fdry. Co., Greenfield, Mass.
Smith & Johnson Mfg. Co., 2031 Elm, Cincinnati, Ohio
Southern Brass Mfg. & Plating Co., Houston, Tex.
Spangler Chas., Allentown, Pa.
Springfield Brass Co., Springfield, O.
Standard Brass Foundry Co., 990 E 67th, Cleveland, O.
Standard Foundry Co., Hartford, Conn.
Stanley Bronze Co., Bridgeport, Conn.
Sterling Aluminum Co., Erie, Pa.
Sterling Machine & Stamping Co., Wellington, O.
Stern Foundry & Machinery Co., 1630 Annunciation, New Orleans, La.
Stover Mfg. & Engine Co., Freeport, Ill.
Thiery & Kendrick Mfg. Co., 660 Franklin, Detroit, Mich.
Toledo Ship Building Co., Toledo, O.
Topeka Foundry & Iron Works, Topeka, Kan.
Trefethen D. A. Taunton, Mass.
Trenton Brass & Machine Co., Trenton, N. J.
Trenton Malleable Iron Co., Trenton, N. J
Triumph Electric Co., Oakley, Cincinnati, Ohio
Tritzell Oscar, Brass Founder, 51 Chestnut New Haven, Conn.
Twentieth Century Brass Works, 514 Fifth av S, Minneapolis, Minn.
Union Brass Foundry Co., Lowell, Mass.
Union Switch & Signal Co., Swissvale, Pa
U. S. Aluminum Co., Oliver bldg, Pittsburgh, Pa.
Universal Machine Co., Bowling Green, O
Vanadium Metals Co., Vanadium bldg Pittsburgh, Pa.
Virginia Foundry & Machine Co., Virginia Minn.
Waltham Foundry Co., Waltham, Mass.
Waterbury Brass Goods Corp., Waterbury Conn.
Waynesboro Foundry & Machine Co. Waynesboro, Pa.
Weber-Knapp Co., Jamestown, N. Y.
*See adv index at end of book*
Weil Louis, 32 B'way, New York
Wellman Bronze Co. (Medium & Heavy) 6017 Superior av, Cleveland, O.
Werra Aluminum Foundry Co., Waukesha Wis.
Western Iron & Foundry Co., Wichita Kans.
Western Pattern & Mfg. Co., Moline, Ill.
Wheeling Bronze Casting Co., Wheeling W. Va.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.
Wisconsin Aluminum Foundry Co., Manitowoc, Wis.
Wisconsin Iron & Metal Co., Oshkosh Wis.
Zero Valve & Brass Mfg. Co., Buffalo, N. Y

## 2148—Castings (Aluminum Bronze)

Brown Bros., Stamford, Conn.
*See adv index at end of book*
Electric Smelting & Aluminum Co., Lockport, N. Y.
Erie Bronze Co., 353 W 19th, Erie, Pa.
*See adv index at end of book*
Titanium Bronze Co., Niagara Falls, N. Y

## 2149— Castings (Automobile)

See also Castings, Various Kinds

Acieral Co. of Am., 26 Cortlandt, New York
Acme Steel & Malleable Iron Works (Steel & Malleable Iron), 245 Military rd Buffalo, N. Y.
Aluminum Castings Co., 6205 Carnegie av Cleveland, O.
Artistic Bronze Co., Bridgeport, Conn.


# W. W. PETTIS COMPANY

CINCINNATI CHICAGO

CASTINGS { Aluminum, Brass and Bronze, Grey Iron, Malleable, Steel

FORGINGS { Drop, Hammer

Sheet Metal Parts for
Trucks, Tractors and Automobiles

**Atlantic Steel Casting Co. (Low Carbon, Open Hearth), Chester, Pa.**
**Auburn Foundry, Auburn, Ind.**
**Bonney-Floyd Co.** (Open-Hearth, Converter & Electric), Columbus, O.
**Bridgeport Deox Bronze & Metal Co.,** Bridgeport, Conn.
**Chicago Steel Foundry Co.** (Vanadium 5046 Lakeside, Cleveland, O.
**Chisholm-Moore Mfg. Co.** (Malleable Iron), 49th to 53d & Lake, Cleveland, O.
**Cincinnati Steel Castings Co. (Steel & Other Alloy Steel),** Queen City & Spring Grove avs, Cincinnati, O.
**City Brass Foundry Co.,** 5318 St. Clair av, Cleveland, O.
**Cleveland Aluminum Casting Co., 905 Addison rd,** Cleveland, O.
**Sox Brass Mfg. Co., Albany, N. Y.**
**Cramp Wm. & Sons Ship & Engine Building Co., Beach & Ball, Phila., Pa.**
**Cureton Wm. & Sons (Grey Iron & Semi-Steel), Lexington, Richland Co., O.**
**Danville Malleable Iron Co.** ("Malleable Iron"), Danville, Ill.
**Dayton Steel Foundry Co.** (Electric), Dayton, O.
**Edna Brass Mfg. Co.** (Brass), Cincinnati, O.
**Ensign Foundry Co.,** Toledo, O.
**Erie Bronze Co.,** 353 W 19th, Erie, Pa.
*See adv index at end of book*
**Erie Malleable Iron Co.,** Erie, Pa.
**Erie Specialty Co.,** 520 W 12th, Erie, Pa.
**Farrell-Cheek Steel Foundry Co. (Steel),** Sandusky, O.
**Ferro Machine & Foundry Co.,** E 66th & Hubbard av, Cleveland, O.
**Franklin Die-Casting Corpn.** (Die), 101 Magnolia, Syracuse, N. Y.
**Globe Malleable Iron and Steel Co. (Malleable Iron & Vanadis Annealed Steel),** 101 Greenway av, Syracuse, N. Y.
**Hardy Wm. A. & Sons Co.** (Brass & Bronze), Fitchburg, Mass.
**Harsh John Bronze & Foundry Co.,** Madison av, Cleveland, Ohio
**Hill Clutch Co.,** W 65th, Cleveland, O.
**Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd,** Cleveland, O.
**Hopson & Chapin Mfg. Co.** (Cast Iron), New London, Conn.
**Interstate Foundry Co.,** E 61st & Erie R. R, Cleveland, O.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O.
*See adv index at end of book*
**Johnson Bronze Co., New Castle, Pa.**
Lockport Chemical Wks., Lockport, Ill.
**LUMEN BEARING CO.,** 200 Lathrop, Buffalo, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Office & Factories: Beekman & Waverly,
*See adv index at end of book*
**Manufacturers' Foundry Co.** (Grey Iron Cylinders; also for Motor Boats), Waterbury, Conn.
**Muncie Malleable & Castings Co.** ("Muncie" Steel), Muncie, Ind.
**Michigan Malleable Iron Co., Delray, Detroit, Mich.**
**Michigan Motor Casting Co., Flint, Mich.**
**Minneapolis Elec. Steel Castings Co., 38th av, N E & 5th,** Minneapolis, Minn.
**National Bronze & Aluminum Foundry Co. (Aluminum & Bronze), 2539 E 79th,** Cleveland, O.
**National Malleable Castings Co., 7706 Platt, S E,** Cleveland, O.
**Oberdorfer M. L. Brass Co., 810 E Water,** Syracuse, N. Y.
**Ohio Malleable Iron Co.** (Malleable Iron), **961 N Fourth, Columbus, O.**
**PETTIS W. W. CO.,** 416-417 First Natl. Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
**Pioneer Brass Works,** Indianapolis, Ind.
**Pittsburgh Iron & Steel Foundries Co.** Midland, Pa.
**Speedy Foundry Co.,** 4600 Iowa, Chicago, Ill.
**Reliance Foundry Co.,** Richmond, Ind.
**Rock Island Metal Foundry,** 505 41st, Rock Island, Ill.
**Rockford Brass Works,** Rockford, Ill.
**Rogers C. E.** (Aluminum), 34 Beach, Boston Mass.
**Sawyer Steel Casting Co.,** Milwaukee, Wis.
**Smith Geo. H. Steel Casting Co.** (Steel & Other Alloy Steel), 500 Clinton, Milwaukee, Wis.
**Smith, Wheel, Inc.** (Malleable Only), Syracuse, N. Y.

**Sowers Mfg. Co.,** 1320 Niagara, Buffalo, N. Y.
**Standard Brass Foundry Co.,** 990 E 67th, Cleveland, O.
**Standard Steel Castings Co.,** 3311 W. 73rd, Cleveland, O.
**Strong Steel Foundry Co.** (Steel), Buffalo, N. Y.
**Superior Fdry. Co.,** E 71st & W. & S. E. Ry, Cleveland, Ohio
**Susquehanna Casting Co., Wrightsville, Pa.**
**Thiery & Kendrick Mfg. Co.** (Brass), 660 Franklin, Detroit, Mich.
**Titanium Bronze Co., Inc.,** Niagara Falls, N. Y.
**Turner & Seymour Mfg. Co.,** Torrington, Conn.
**U. S. Aluminum Co.,** Oliver bldg, Pittsburgh, Pa.
**Vanadium Metals Co.,** Vanadium bldg, Pittsburgh, Pa.
**Vulcan Mfg. Co.,** 1200 4th av, So Seattle, Wash.
**Warren Steel Casting Co.** (Crucible Steel), 3400 Maury, St. Louis, Mo.
**Whiteley Steel Co.** (Cast Steel), Muncie, Ind.
**Yost Mfg. Co.** (Crucible Steel), Meadville, Pa.

## 2150— Castings (Bake Oven)

**Spangler Chas.,** Allentown, Pa.
**Sperry D. R. & Co.,** Batavia, Ill.
**Vulcan Mfg Co.,** 1210 4th av, So Seattle, Wash.
**Western Iron & Foundry Co.,** Wichita, Kans.

## Castings (Blast Furnace)

See Castings, Rolling Mill & Furnace; Also Castings, Steel.

## Castings (Boiler)

See Boiler Fronts & Castings

## 2151—Castings (Brass & Bronze)

For all Brass Founders not found under this heading see Machinists & Founders marked with a (§) Section Mark
See also Castings, Copper; Castings, Manganese Bronze; Castings, Phosphor Bronze; Bearings of Various Kinds; Bell Founders; Valve Manufacturers

### ALABAMA.

ANNISTON—Bosworth-Ard Machine & Foundry Co.
BIRMINGHAM—Ajax Metal Co. of the South
Dixie Brass & Foundry Co.
Gilb V. & Son
Joubert & Goslin Mach. & Fdry. Co.
Wallwork H. Foundry Co.
MOBILE—Alabama Dry Dock & Shipbuilding Co.
Henderson Shipbuilding Co.
MONTGOMERY—Hartley Boiler Works
Janney & Co. (Also Iron)

### CALIFORNIA.

LOS ANGELES—Axelson Machine Co., Box 316
Fulton Engine Works
Hercules Foundry Co., Boyle & Slawson avs.
Jones Jas. Co.
Keystone Iron Wks., 37th & Santa Fe av
Llewellyn Iron Works
Magnis Co. Inc, 860 N Main
Meyberg Co.
Miller Engine & Foundry Wks. ("Miller"), 2652 Long Beach av
OAKLAND—Phoenix Iron Works Co.
RICHMOND— Santa Fe Fdry. Co.
SACRAMENTO—Union Iron Works
SAN DIEGO—San Diego Machine Co.
SAN FRANCISCO—Atlas Brass Works, 612 Bryant
**California Artistic Metal & Wire Co., 349 7th**
**California Brass Wks.** (Kingwell Bros.), **450 Natoma**
**DIAMOND EXPANSION BOLT CO.** (Brass), 156 2d
*See adv index at end of book*
Enterprise Foundry Co., 20 Stewart
Garratt W. T & Co., 299 Fremont
**Greenberg's M. & Sons, 225 Beale**
Keystone Bronze Co., Hobart bldg.
**Kingwell L., 450 Natoma**
Krenz Oscar Copper & Brass Works, 619 Bryant
**San Francisco Brass Foundry,** 48 Clementina
**Tay Geo. H. Co.,** 599 Mission

### COLORADO.

COLORADO SPRINGS—Hassel Iron Wks. Co.
DENVER—Denver Iron Works & Foundry Co.
Denver Iron Works & Foundry Co.
**Flint Electric & Mfg. Co.**
Magnus Metal Co., 1241 12th
Shave Furnace & Metal Appliance Co., W Warren av & S Delaware
**Slack-Horner Brass Mfg. Co.**
Stearns-Roger Mfg. Co.
PUEBLO—Ortner Geo. J.
Pueblo Foundry & Machine Co.

### CONNECTICUT.

ANSONIA—Phelps H. D.
BRIDGEPORT—Artistic Bronze Co.
Belknap Mfg. Co. (Brass)
**Bridgeport Brass Co.**
**Bridgeport Deox. Bronze & Metal Co.**
Burns & Bassick Co. (Division of The Bassick Co.)
Hamilton Jno. Brass Works
Monumental Bronze Co.
Sanford David C. Co.
Stanley Bronze Co.
BRISTOL—Bristol Brass Co.
DANBURY—Turner Machine Co.
GUILFORD—**SPENCER'S I. S. SONS (INC.)**
HARTFORD—Blake Edwin J.
Capitol Foundry Co.
Craig Jno. M.
Howard Jas. L. & Co.
Standard Foundry Co. (Bronze)
MERIDEN—Foster, Merriam & Co.
Miller Edw. & Co.
MIDDLETOWN—Chapman W. H. Co.
Wilcox, Crittenden & Co., Inc.
*See adv index at end of book*


**BRASS CASTINGS**
**Light and Medium, Machined if Desired**
**Wilcox, Crittenden & Co., Inc.**
444 So. Main St., Middletown, Conn.


MILFORD—Rostand Mfg. Co.
MOUNT CARMEL—Woodruff Walter W. & Sons Co.
NAUGATUCK—Russell J. M. Mfg. Co.
NEW BRITAIN—Flannery P. J. Co.
Kinne W. A.
North & Judd Mfg. Co. (& Composition)
Osborne George H.
NEW HAVEN—English & Mersick Co.
Fritzell Oscar, Brass Founder, 51 Chestnut
Graham Jas. & Co.
Ives H. B. Co.
Peck Bros. & Co.
Sargent & Co.
NEW LONDON—New London Marine & Iron Works
NORWICH—Tracy C. Oscar
PLAINVILLE—Carter, E. T.
Elm City Brass & Rivet Co.
SHELTON—Meyer Fred'k C. (Also Iron)
STAMFORD—Brown Bros., 46-48 Garden
*See adv index at end of book*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Stamford Iron Works
STONINGTON—Miller's A. B. Sons

CONNECTICUT—continued
**TORRINGTON—Turner & Seymour Mfg. Co.**
**WATERBURY—American Pin Co.**
**Connecticut Mfg. Co.**
**Manufacturers Foundry Co.**
**Matthews & Willard Mfg. Co.**
**Novelty Mfg. Co.**
**SCOVILL MFG. CO.**
*See adv index at end of book*
**Waterbury Brass Goods Corp'n**
Waterbury Mfg. Co. (Brass)

## DELAWARE.

WILMINGTON—Poole J. Morton Co., ft of Thomas
**Remington Machine Co., 411 E Front**

## FLORIDA.

**JACKSONVILLE—Florida Machine Works Foundry**
**Murphy Timothy Iron Works**
Southern Iron & Metal Co.
**MIAMI—Lyne C. H.**
**ORLANDO — South Florida Foundry & Machine Works**
**PALATKA—Stanton Foundry & Machinery Co.**

## GEORGIA.

ATLANTA—Bailey-Burruss Mfg. Co.
**Pratt Engineering & Machine Co.**
Spalding Foundry Co.
**Withers Foundry & Machine Works**
**AUGUSTA—Georgia Iron Works**
BRUNSWICK—Brunswick Marine Construction Corp.
**COLUMBUS—Columbus Iron Works**
**Golden's Foundry & Machine Co.**
**CORDELE—Tomlin-Harris Machine Co.**
MACON—Schofield's J. S. Sons Co.
Taylor Iron Works & Supply Co.
**ROME—Davis Foundry & Machine Works**
Rome Machine & Fdry Co.
**SAVANNAH—Kehoe Iron Works**
Rourke John & Sons
**WEST POINT—West Point Iron Works**
**WINDER—Woodruff Machinery Mfg. Co.**

## ILLINOIS.

AURORA—Aurora Metal Co.
Love Bros.
BELLEVILLE—M. H. Foundry & Mfg. Co.
**CAIRO—Reed Hardware & Mfg. Co.**
CHICAGO—Adams & Westlake Co., 319 W Ontario.
Allen W. D. Mfg. Co., 566 W Lake
*See adv index at end of book*
**Anderson A. H. (Light & Heavy),** 1213 Fulton
Anderson Bros., 1388 Fulton
**Anderson Wm. B. Fdry Co., 28 S** Clinton
Benjamin Elec. Mfg. Co. (Brass), 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Chicago Faucet Co., 2712 N Crawford av
Chicago Hardware Foundry Co., 546 Washington blvd
**Chicago Journal Bearing Co. (High Grade), 519 W Van Buren**
Dawson Brothers, 523 N Halsted
**DIAMOND EXPANSION BOLT CO.** (Brass), 168 No. Michigan av.
*See adv index at end of book*
**Eddy Brass Foundry & Machine Co.,** 301 N Halsted
**Empire Brass Works, 824 Fulton**
**Faunt Bros., 1555 Fulton**
**Federal Brass Works, 3100 S Kedzie**
**Federal-Huber Co., 234 N Halsted**
Fidelity Brass Mfg. Co., 1001 W. Washington blvd
Griscom-Russell Co., 234 N Halsted
*See adv index at end of book*
**Harris Arthur & Co. (Heavy), 212 N** Curetis. *See adv index at end of book*
**Heath-Johnson Co., 300 W Ontario**
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Hills-McCanna Co., 2025 Elston av.
Hodgson Foundry Co., 2012 W 13th
**Holland Brass Works, 616 W Monroe**
**Illinois Malleable Iron Co., 1801 Diversy blvd**
**Imperial Brass Mfg. Co. (Red, White, Yellow & Hard Brass), 524 S Racine av**
*See adv index at end of book*
Leitelt Bros, 7725 S Chicago.
Magnus Metal Co., 80 E Jackson blvd.
**Mahoney Pat'k F., 552 W Lake**
Newman Mfg. Co., 68 W Washington
*See adv index at end of book*
**Paragon Metal Co., 3050 S Ashland av**
Ryan J. J. & Co., 100 S Jefferson
Smeeth-Harwood Co., 2401 W 22d
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av
*See adv index at end of book*
**Stier Herman, 814 George**
**Street & Kent Mfg. Co. (Plumbers' Specialties), 549 Fulton**
**Western Brass Mfg. Works, Marshall blvd & W 21st**
**White Brass Castings Co., 1656 Austin av**
**DECATUR—Faries Mfg. Co.**
**EDWARDSVILLE—Edwardsville Brass Co.**
FREEPORT—Stover Mfg. & Engine Co.
**LITCHFIELD—Litchfield Foundry & Machine Co.**
**MOLINE—Schmidt Joseph**
**Western Pattern & Mfg. Co.**
MURPHYSBORO—Egyptian Iron Works
**NORTH CHICAGO — Chicago Hardware Foundry Co.**
PEORIA—Brass Foundry Co. ("H. K." Bronze)
**Kinsey & Mahler Co.**
PETERSBURG—Brass Industrial Works
**QUINCY—Bush Foundry & Metal Wheel Co (Also Iron)**
Dayton-Dowd Co. (Brass & Iron)
**Modern Iron Works**
**Quincy Foundry & Novelty Co.**
Van Doorn Co.
**ROCKFORD—Rockford Brass Works**
**ROCK ISLAND—Blake Specialty Co.**
**Rock Island Metal Foundry, 505 41st**
SPRINGFEILD—Ide A. S. & Sons

## INDIANA.

ANDERSON—Lavelle Foundry Co. (Brass)
**BEDFORD—Bedford Foundry & Machine Co.**
ELKHART — Northern Indiana Brass Fdry. Co.
**EVANSVILLE—Evansville Brass Works**
**Grote F. Mfg. Co.**
**Healey Peter**
**Heilman Machine Works**
**HAMMOND—Hammond Brass Works**
**INDIANAPOLIS—Drew Electric & Mfg. Co.**
**Keyless Lock Co.**
**Pioneer Brass Works**
**KOKOMO—Kokomo Brass Works**
**Long Bros.**
MARION—Central Mach. & Fdry Co. (Brass)
Marion Foundry Corp.
Marion Machine Foundry & Supply Co.
Rutenber Motor Co.
**MICHIGAN CITY—Haskell & Barker Car Co.**
**MUNCIE—Machsts. Foundry Co.**
**SOUTH BEND—Fulton Harwood Brass Foundry Co.**
**TERRE HAUTE—Prox & Burget Co.**
**Terre Haute Bronze & Brass Foundry**

## IOWA.

**CEDAR RAPIDS—Dearborn Brass Co.**
**Iowa Steel & Iron Works**
**DAVENPORT — Davenport Locomotive Works**
**Davenport Machine & Fdry. Co.**
NEWTON—Parsons Co.

## KANSAS.

**IOLA—United Iron Works Co.**
TOPEKA—Topeka Foundry & Iron Works
**Western Foundry & Machine Works**
**WICHITA—Western Iron & Foundry Co.**

## KENTUCKY.

ASHLAND—Ashland Iron & Mining Co.
COVINGTON—Michael's Art Bronze Co.
**LEXINGTON—Lexington Engine & Boiler Works**
LOUISVILLE—Henzmann & Richard
**Moran Flexible Steam Joint Co.**
Standard Sanitary Mfg. Co., Ahrens & Ott Div.
Vogt Brothers Mfg. Co.
Vogt Henry Machine Co., Inc.
**LUDLOW—Carran Richard B. & Sons Co.**

## LOUISIANA.

NEW ORLEANS—Crescent City Machine & Mfg. Works, 631 Tchoupitoulas.
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av.
**Koretke F. H. Brass & Mfg. Co. (Ltd.), 922 Magazine**
Murphy John H. Iron Works, 643 Magazine
Stern Foundry & Machinery Co., 1630 Annunciation
**Swoop Julian M., 913 Girod**

## MAINE.

**BANGOR—Union Iron Works**
BATH—Bath Iron Works Ltd.
**Torrey Roller Bushing Works**
Watson, Frye & Co., Ltd. (Railroad & Mill)
**CAMDEN—Knowlton Bros.**
**DEXTER—Fay & Scott**
**HALLOWELL—Fuller's Geo. Sons**
**MECHANIC FALLS—Penney J. W. & Sons Co.**
**PORTLAND—Babbitt Chas. E.**
**Knight Bros.**
**Laughlin Thos. Co.**
**Megquier & Jones Co.**
Portland Co.
**RUMFORD—Clark Foundry Co.**
**SO. PORTLAND — Marine Hardware & Equipment Co.**

## MARYLAND.

**BALTIMORE—Baltimore Brass & Plating Works, 118 E Centre**
**Gibson & Kirk Co. (Up to 150 lbs), 217 Key Highway**
**Liberty Brass Works, 305 W Lombard**
**Limerick J. Arthur Co. (Artistic), 900 N Howard**
**McShane Bell Fdry. Co.**
**Maryland Brass & Metal Works,** Calvert & Federal
**Poole Engineering & Machine Co.,** Woodberry Station
**Richardson Edro Brass Co., 318 N** Holliday
**CUMBERLAND—McKaig Merwin**
FREDERICK—Price Bros.
**HAGERSTOWN—Hagerstown Metal & Refining Co.**

## MASSACHUSETTS.

**AMESBURY—Amesbury Brass & Foundry Co.**
**BOSTON—American Tool & Machine Co** (Also Iron), 10 High
Clark D. W. & Co., 280 1st
d'Este Julian Co., 24 Canal
*See adv index at end of book*
Duncan Wm. (Est. of), 156 Liverpool, E. B.
Gibby Foundry Co., 96 Condor, E
Granular Metal Co., 77 Farnum
Hamlin & Emery Brass Co., 49 Island
Livermore Homer F., Inc., 85 Pearl
Macallen Co., 16 Macallen South
McCafferty J. H. Co., 434 Harrison av
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*See adv index at end of book*

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Extra fine castings in French sand of either plain or under-cut character
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Snow W. A., Iron Works, Inc., 32 Portland
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**Star Refining Co., 116 W First**
Walworth Mfg. Co.
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Hayden G. W.
**CLINTON—Clinton Foundry Co. (Also Iron)**
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**FALL RIVER—Fall River Foundry & Machine Co.**
**Mechanics Foundry & Machine Co.**
**FITCHBURG—Hardy Wm. A. & Sons Co.**
Welch E. J. & Co.
**GARDNER—Gardner General Foundry Co.**
**GLOUCESTER—Reed Geo. A. & Son**

GREENFIELD—Smith Foundry Co.
HAYDENVILLE—Haydenville Co.
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LAWRENCE—Fallon T. F. & Co.
Gallison F. L.
LOWELL—Pevey Fdry. Co.
Union Brass Foundry Co.
LYNN—Dempsey Jno. F. & Co.
ORANGE—Hunt Rodney Machine Co.
PEABODY—Marine Hardware Co.
SALEM—Waters A. S.
SPRINGFIELD—Brightwood Brass Fdy.
Emory P. P. Mfg. Co.
Engelhard Frank & Sons, 200 Franklin
Hampden Brass Co.
Harley Company
TAUNTON—Trefethen D. A.
WALTHAM—Boston Brass Co. ("B.B."), 135 Bacon.
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WEBSTER—Prescott J. B. & Son
WESTFIELD—Try-Me Mfg. Co.
WOLLASTON—Hall Wm. Co. (Bronze Specification)
WORCESTER—Reed & Prince Mfg. Co. (Small)
Worcester Brass Co.

## MICHIGAN.

BATTLE CREEK—Sherman H. B. Mfg. Co.
BAY CITY—Bay City Iron Co.
Great Lakes Brass Foundry
CHARLOTTE—Hancock Mfg. Co.
CHEBOYGAN—Blake H. A. & Son (Also Iron)
COLDWATER—Champion Brass Works
DETROIT—American Brass & Iron Co., Crystal
Bryant & Berry Co., 34 W Atwater
Capital Brass Works, 596 Franklin
Clayton & Lambert Mfg. Co. (Red & Yellow Brass), 1370-80 Beaubien
Detroit Brass Works, 331 Holden
Detroit Foundry Co., Grand blvd
Detroit Motor Casting Co., 299 Beaufait
Detroit Ship Building Co., ft. Orleans
Enterprise Foundry Co., 1127 Warren av E.
Essex G. B. Brass Co., 480 Franklin
General Aluminum & Brass Mfg. Co., Blvd & St. Aubin av
Graebert & Sons, 12 Sherman
Hackett Brass Foundry, 242 Lillibridge
Ireland & Matthews Mfg. Co., Beard & Chatfield
McRAE & ROBERTS CO. (Steam Brass Goods), 227 Campbell av
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Magnus Co., 945 Griffin
Motor Products Corp., Mack av & Outer Belt Line
Sherwood Brass Works, 1167 Jefferson, E
Standard Brass Works, 97 Wight
Stephens Roe Mfg. Co., 1097 McKinly
Sterling & Skinner Mfg. Co., 2672 E Grand blvd
Thiery & Kendrick Mfg. Co., 660 Franklin
GRAND HAVEN—Dake Engine Co.
GRAND RAPIDS—GRAND RAPIDS BRASS CO.
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Harring, F. J. & Co.
Hartman H. J. Foundry Co.
Keeler Brass Co.
Rempis & Gallmeyer Foundry Co.
Wolverine Brass Works
HANCOCK—Portage Lake Foundry & Machine Co.
HOLLAND—Huntley Machinery Co.
JACKSON—Jackson Brass Foundry Co.
KALAMAZOO—Star Brass Works
LANSING—Gerson & Carey
Michigan Brass & Iron Works
LAPEER—McDonald Wm. Sons
MENOMINEE—Prescott Co.
MUSKEGON—Muskegon Aluminum Foundry Co.
PORT HURON—Draper Mfg. Co.
Moak Mach. & Tool Co. (Brass)
SAGINAW—Bartlett A. F. & Co.
Jackson & Church Co.
TRAVERSE CITY—Round Harry W.

## MINNESOTA.

DULUTH—Duluth Brass Works Co.
MINNEAPOLIS—Commutator Co., 121 N 1st
Twentieth Century Brass Works, 514 5th av S
ST. CLOUD—St. Cloud Iron Works Co.
ST. PAUL—Northwestern Copper & Brass Works, 59 W 3rd
North Star Spinning & Mfg. Co.
South Park Foundry & Machine Co.
St. Paul Brass Foundry Co., Minnesota & Second
Union Brass & Metal Mfg. Co., Lawson & Mackubin
Western Machine Mfg. Co., 443 Rosabel
VIRGINIA—Virginia Foundry & Machine Co.

## MISSISSIPPI.

LAUREL—Laurel Machine & Foundry Co.
NATCHEZ—Shaw C. P. & Co.

## MISSOURI.

CLINTON—Industrial Iron Works
JOPLIN—Joplin Foundry Co.
KANSAS CITY—Central Brass Works Co.
Kansas City Wire & Iron Works
Prier Brass Mfg. Co.
United Iron Wks. Co., Inc.
ST. JOSEPH—St. Joseph Brass & Iron Co.
ST. LOUIS—Alloyed Metal & Mfg. Co. (Bronze only), 4537 Pope av
American Car & Foundry Co., Syndicate Trust bldg
American Foundry & Mfg. Co., 11th & Hebert
Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park bl
Hewitt Mfg. Co.
Kraushaar Brass Mfg. Co., 919 Pine
Kupferle Bros. Mfg. Co., 600 N 2nd
Laclede Brass Works, 307 Cedar
MORE-JONES BRASS & METAL CO., B'way & Dock
*See adv index at end of book*
Natl. Art Bronze Wks. Co., Pope & Carrie avs
St. Louis Brass Mfg. Co., Washington & Jefferson avs
St. Louis Car Co. (Railway, etc), 8000 N B'way
SPRINGFIELD—United Iron Works Co.

## MONTANA.

BUTTE—Montana Iron Works

## NEBRASKA.

FREMONT—Fremont Foundry & Machine Co.
HASTINGS—Hastings Foundry & Iron Works
LINCOLN—Hedges C. E.
YORK—York Foundry & Engine Works

## NEW HAMPSHIRE.

CONCORD—Ford & Kimball
EAST CONCORD—Badger, Franklin L.
EXETER—Exeter Brass Works
NASHUA—Highton Wm. & Sons Co.
PENACOOK—Concord Axle Co.
UNION—Hamlin E. F. Brass Co.

## NEW JERSEY.

ARLINGTON—Lovell F. H. & Co.
BELLEVILLE—Eastwood Wire Mfg. Co. (¼-oz to 20,000 lbs.)
BLOOMFIELD—Jenkins Mfg. Co.
DUNELLEN—Hall Printing Press Co.
EAST NEWARK—Hewitt Jno.
EAST ORANGE—Smith A. P. Mfg. Co.
ELIZABETH—Elizabeth Machine & Iron Works
FLEMINGTON—Foran Foundry & Mfg. Co.
HOBOKEN—Elevator Supplies Co.
Fischer Sweeny Bronze Co.
Fletcher W. & A. Co.
Union Iron Works
JERSEY CITY—Brady Brass Co., 170 14th
Gothberg H. & E., 139 Cator av
Krouse Geo. (Heavy), 150 Morgan
Magnus Co., 364 9th
Murphy Wm. J., 279 10th
Schroeder Edw. Lamp Works, 716 Jersey av
Spindler & Deringer, 243 Mercer
Williams E. A. & Son, 109 Plymouth
LAMBERTVILLE—Lambertville Iron & Steel Co.
LYNDHURST—Leslie Co.
NEWARK—Bushauer P., 261 Elm
Defreville, 142 McWhorter
Goldsmith C. A., 270 Thomas
Hedges & Bro., 12 R. R. pl
Hewes & Phillips Iron Works, 8 Orange
Josts Edmund Sons, 58 1st
Newark Brass Works, 20 Lawrence
Riley-Klotz Mfg. Co., 17 Mulberry
Schueler T. & Co., 48 19th av
Turner Machine Co., 28 Eagles
Wheaton A. W. Brass Works, 110 Walnut
Zusi Edward, 80 Mechanic
Zusi Edward A., 101 Monroe
NEW BRUNSWICK—New Brunswick Iron Works
PATERSON—Asbell S. J. Co. (Small)
Finigan-Zabriskie Co. (Todd Mills, Brass & Iron Castings)
PERTH AMBOY—Schantz & Eckert (Also Iron)
SALEM—Salem Brass & Iron Mfg. Co.
TRENTON—McFarland Foundry & Machine Co.
Skillman Hardware Mfg. Co.
Trenton Brass & Machine Co.
Trenton Malleable Iron Co.
Watson John & Sons Co.


# MORE-JONES PRODUCTS—Lower Maintenance—Increase Efficiency

They are most economical to use because of the remarkably long and uniform service they provide. It has been clearly demonstrated that "service" and "lasting qualities" are built right into More-Jones Specialties.

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"Arctic" Bronze (Pat.) Car Journal Bearings.
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## NEW YORK.

ALBANY—Cox Brass Mfg. Co.
FitzGerald John L.
Gaynor P. F.
BALLSTON SPA—Davison-Namack Fdry Co.
BUFFALO—Buffalo Non-Ferrous Casting & Mfg. Co., 45 Letchworth
Case W. A. & Sons Mfg. Co.
Fries & Co., 91 Main
**LUMEN BEARING CO.** 200 Lathrop
*See adv index at end of book*
Metal & Alloy Specialties Co., Inc., 25 Illinois
Pohlmann John W., Foundry Co., 205 Baitz av
Unique Brass Foundry Co., 841 Grant
Zero Valve & Brass Mfg. Co.
COHOES—Cohoes Iron Foundry & Machine Co.
*See adv index at end of book*
Simcox Jos. H.
GRASSY POINT—Wiles A. M. & W. H. Co.
HUDSON FALLS—Sandy Hill Iron & Brass Works
JAMESTOWN—Ellison Brass Mfg. Co.
Weber-Knapp Co. (Brass)
LOCKPORT—McKim Foundry & Machine Co.
NEWBURGH—Coldwell-Wilcox Co.
Kimball's S. G. Son
PORT CHESTER—Mills Wm. A. Brass Co.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN — American Marine Brass Foundry Co., Inc., 203 Diamond
Atlantic Basin Iron Works, 168 Van Brunt
Columbus Foundry Co., 451 Hicks
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut
Coyne & Delany Co., 832 Kent av
Creamer W. G. & Co., Creamer, c Smith
Doehler Die Casting Co., Huntington
Hamilton Robert & Sons, 56 Water
Hecla Iron Works, 118 N. 11th
Huethwohl Louis, 513 Flushing av
Jefferson Brass Foundry, 209 King
Paulson Thos. & Son, 97 2d av
Penn Brass & Bronze Works, 111 Dobbin
Roman Bronze Works, 275 Greene
Silver Aluminum Metal Co., 294 Taaffe pl, B'klyn, N. Y.
Staats Geo. & Co., 74 Bayard
Taylor & Co., 680 Morgan av.
White J. H. Mfg. Co., 111 N. 3rd

### Boroughs of Manhattan and Bronx.

NEW YORK—Aerial Co. of America, 26 Cortlandt
Aluminum Casting & Machine Co., 206 B'way
Bronze Metal Co., 30 Church
Brunswick Marine Construction Corp, 63 Wall
Columbian Bronze Corp, 522 5th av.
Creamer W. G. & Co., 96 John
**DIAMOND EXPANSION BOLT CO.** (Brass), 89 West
*See adv index at end of book*
Gallagher's Jas. Sons, 87 Centre
Gerdes & Co., 42 Church
*See adv index at end of book*
Gorham Co., Arch'l Bronze "Gorham" Special Patent), 5th av & 36th. Works: Providence, R. I.
Griscom-Russell Co., 92 West
*See adv index at end of book*
Guerin P. E., Inc., 21 Jane
Harper Thos., 204 Lafayette
Henry-Bonnard Bronze Co. (also Bronze & Iron), 20 Exchange pl.
Jackson W. H. Co., 2 W 47th
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W. 44th
*See adv index at end of book*
Levett Walker M. Co., 417 E 23d
Magnus Locomotive Co., 111 B'way
Manhattan Brass Co., 332 E 28th
Midwest Brass & Copper Co., Inc., 480 Broome *See adv index at end of book*
New York Brass Fdry. Co., 403 Broome
Scholl Adam, 225 E 138th
S. E. T. Valve & Hydrant Co., 56 Church. *See adv index at end of book*
Superior Bearing Bronze Co., Inc., 719 1st av
Tuttle & Bailey Mfg. Co., 52 Vanderbilt av
Williams Jno., Inc., 556 W 27th

### Borough of Queens.

ASTORIA—Federal Brass & Bronze Co., Ridge
LONG ISLAND CITY — Atlantic Chair Corp, 73 Marion
McGee Jos, Iron & Brass Foundry Co., 51 6th
Russell Foundry & Machine Works, 51 6th
MASPETH—Queensborough Brass & Bronze Foundry, 184 Broadway
Richey, Browne & Donald, Flushing av
**(End of New York City)**
NIAGARA FALLS—Titanium Bronze Co.
ROCHESTER—Atkinson Co. (1000 to 5000 lbs.)
General Railway Signal Co.
National Brass Mfg. Co. (Large or Small)
N. W. Foundries, Inc.
Nunn Brass Works
Wray Henry & Son
ROME—Doyle Wm. J.
SALAMANCA — Salamanca Engine-Iron Co.
SARATOGA SPRINGS—Baker Mfg. Corp.
SYRACUSE—Caldwell E. R. & Son Brass Co.
Caldwell & Ward Brass Co. (Brass)
McVey Hugh
Oberdorfer M. L. Brass Co., 810 E Water
Onondaga Brass Co.
Phelps Elmer E.
Senk Jno. & W.
Standard Brass & Aluminum Foundry Co.
Walker Bros. Co.
TONAWANDA—Gillie Machine Co.
TROY—Geier & Bluhm
Wheeler Bros. Brass Foundry
UTICA—Merriam F. M.
Iroquois Foundries, Inc. ("Indian Head"), 474 Genesee
Utica Brass Works

## NORTH CAROLINA.

DUNHAM—Dunham Fdry & Mach. Works
NEWBERN—Newbern Iron Works & Supply Co.
RALEIGH—Raleigh Iron Works Co.
WILMINGTON— Wilmington Iron Works (Grey Iron, Semi-Steel & Brass Castings, Grate Bars, Municipal Building, Saw Mill, Oil Mill, Fertilizer Plant & Industrial Castings).
*See adv index at end of book*

## OHIO.

AKRON—Star Drilling Machine Co.
ALLIANCE—Alliance Brass & Bronze Co.
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
BOWLING GREEN — Universal Machine Co.
BUCYRUS—Ryder Brass Foundry Co.
CANTON—Best Light Co., 477 Second N E
Canton Brass Fdry. Co.
Elbel Co.
Frankham Wm. Brass & Bronze Wks.
CINCINNATI — Cincinnati Aluminum Casting Co ("Adamant") Norwood
Cincinnati Mfg. Co.
Deckebach F. C. Sons Co., 123 W Court
Edna Brass Mfg. Co. (Light & Heavy),
Electric Railway Equipment Co.
Eureka Brass Works, 1040 Hulbert av
Fewlass-Leen Brass & Iron Co., 610 E Front
Hoppe Chas. Co., 121 Opera pl
Kirkup Robt. & Co., 616 Lodge
**LUNKENHEIMER CO.** Executive Office & Factories: Beekman & Waverly *See adv index at end of book*
National Brass Mfg. Co.
Newman Mfg. Co., 717 Sycamore
*See adv index at end of book*
Nichol Thos. J. & Co., Pearl & Ludlow
Ohio Pattern Works (Ornamental), 2730 Spring av
Pettis W. W. Co., 416-417 First Nat'l Bank Bldg.
*See adv index at end of book*
Powell Wm. Co. (Bronze Only)
*See adv index at end of book*
Richter Brass Co., 210 E 9th
Triumph Electric Co., Oakley
CLEVELAND—Aetna Brass Mfg. Co., 1631 E 55th
Aluminum Castings Co. ("Lynux"), 2210 Harvard
Buckeye Brass & Mfg. Co., 6410 Hawthorne
City Brass Foundry Co., 5318 St. Clair av
Cleveland Brass Works, 1525 E. 49th
Cochrane J. A. Brass Mfg. Co., 1403 E 40th
Farnan Brass Works Co. (Plumbers' Specialties), 1105 Centre
Glauber Brass Mfg. Co., 49th & Superior av N E
*See adv index at end of book*
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd
Ideal Bronze Co., 1265 E 55th
K. & M. Brass & Aluminum Castings Co., Harvard & E. 108th
Monarch Brass Co.
National Bronze & Aluminum Foundry Co., 2539 E 79th
Standard Brass Foundry Co., 990 E 67th
Triumph Electric Co., Wade bldg
**TYLER, W. S. CO.** (Bronze)
*See adv index at end of book*
United Brass Mfg. Co., 3844 Hamilton av
Wellman Bronze Co. (Medium & Heavy), 6017 Superior av
COLUMBUS—Atlas Brass Foundry Co., 980 Park S
Columbus Brass Co., 538 Dublin av
*See adv index at end of book*
Iron Products Co.
Ohio Pump & Brass Co.
DAYTON—Buckeye Iron & Brass Works (Special)
Dayton Mfg. Co.
Dennick Wm. & Co.
Hoban Brass Foundry Co.
Miami Brass Foundry Co.
FOSTORIA—"S-C" Regulator Mfg. Co.
GALION—Galion Brass & Bronze Fdry. Co.
GENEVA—Champion Hdwe. Co. (Small)
HAMILTON—Hamilton Copper & Brass Works
LIMA—Chalmers Mfg. Co.
Lima Brass Foundry
Lima Metal Fndry. Co.
LORAIN—Lorain Casting Co.
MT. VERNON—Cooper C. & G. Co.
MANSFIELD—Buckeye Tempered Copper & Brass Co.
Superior Brass Mfg. Co.
MARIETTA—Pattin Bros. Co.
MASSILLON—Griscom-Russell Co.
*See adv index at end of book*
MINERVA—Minerva Hardware Mfg. Co.
NEWCOMERSTOWN — Sterling Specialty Co.
NEW PHILADELPHIA—Rath Aluminum & Brass Co.
NORWALK—Norwalk Foundry Co.
RIPLEY—Ripley Foundry & Machine Co
SANDUSKY—Klotz Machine Co.
Sandusky Fdry & Machine Co.
SPRINGFIELD—Nolte Brass Co.
Springfield Brass Co.
TIFFIN—Hanson Clutch & Machy. Co
*See adv index at end of book*
TOLEDO—Bunting Brass & Bronze Co. 738 Spencer
*See adv index at end of book*
Duncan The Co.
Seeger Valentine
Toledo Brass & Novelty Works
Toledo Ship Building Co.
WELLINGTON — Sterling Machine & Stamping Co.
YOUNGSTOWN—Falcon Bronze Co.
Mahoning Foundry Co.
United Engineering & Foundry Co (All Weights)
ZANESVILLE—Dockray H. V., Brass & Iron Co.
Griffith & Wedge Co.

## OREGON.

ALBANY—Albany Iron Works
PORTLAND—Oregon Brass Works. No. 2.
Wood John Iron Works

## PENNSYLVANIA.

ALLENTOWN—Spangler Chas.
Vulcan Brass Works
BERWYN—American Bronze Corp. ("No Gran")
BLOOMSBURG—Harman & Hassert

BRADFORD—Bradford Motor Works
CATASAUQUA—Hercules Metal Works
CHERRY TREE—Cherry Tree Machine Co.
CHESTER—Crown Smelting Co.
CONNELLSVILLE—Boyts Porter & Co.
Connellsville Machine & Car Supply Co.
CONSHOHOCKEN—Bate Wm. T. & Son
CORRY—Love Mfg. Co.
DANVILLE—Danville Iron & Steel Co. (Up to 2,000 lbs.)
DUBOIS—Dubois Iron Works
Osborn Machine Co.
ERIE—Campbell J. B. Brass Works
Erie Bronze Co., 353 W. 19th
*See adv index at end of book*


**FINISHED DIE-CASTINGS**
**Tin, Zinc, Lead and Aluminum Alloys**
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Erie Specialty Co., 250 W 12th
Hays Mfg. Co.
Jarecki Mfg. Co.
Keystone Brass Works
Watson N. A.
FRANKLIN—Hough Chas. N. Mfg. Co.
GREENSBURG—Hempfield Foundry
Kelly & Jones Co.
HARRISBURG—Hickok W. O. Mfg. Co.
HOMESTEAD—Homestead Valve Mfg. Co.
JOHNSTOWN—Flood City Mfg. Co.
Suppes Forge & Foundry Co.
LANCASTER—Fraim E. T. Lock Co.
Hubley Mfg. Co.
Miller J. Walter Co.
LANSDALE—Heebner & Sons (Brass)
LEBANON—Lebanon Gear & Machine Works, 17th & Forge
MARIETTA—Marietta Casting Co.
MOUNT CARMEL—Mount Carmel Iron Works
NEETSDALE—Leetsdale Fdry. & Mfg. Co.
NEW BRIGHTON—Keystone Bronze Co.
NEW CASTLE—Johnson Bronze Co.
NORTH EAST—Electric Materials Co.
Eureka Co.
NORTH WALES—North Wales Machine Co.
PHILADELPHIA—Ajax Metal Co., 46 Richmond
**AMERICAN MANGANESE BRONZE CO.** ("Spare's" "Hy-Ten-Sl"), 3501 Rhawn
Belfield H. Co., 435 N Broad
Biddle Gaumer Co., 3846 Lancaster av
Bridgman Bros. Co., 131 S. 31st
Bureau Bros., 23d & Westmoreland
Caskey Wm. & Son, York & Richmond
Cohocksink Brass Foundry, 5th & Berks
Cramp Wm. & Sons Ship & Engine Building Co., Beach c Ball
Devlin Thos. Mfg. Co., 3d & Lehigh av
Evans S. W. & Son, 4623 Paul
Eynon-Evans Mfg. Co. (Up to 10,000 lbs), Clearfield & N 15th
Griffiths Jas. A., 1315 Buttonwood
Griscom-Russell Co.
*See adv index at end of book*
Halstead & Co. (Founders & Finishers), 1129 Cherry
Hartman Co., 1231 N Front
Homer Brass Works, 231 Race
Kirn M. L. & Bro., 2135 N Lawrence
Lonergan J. E. Co., 211 Race
McHatton Foundry Co., 1500 Washington av
Morris I. P. Co., Richmond & Norris
Mousley's Chas. Sons, 457 N 12th
Nelson Valve Co., Harrison bldg
North American Smelting Co., Thompson & 9th
Ott Geo. F. Co., 213 Buttonwood
Petry N. A. Co., 1309 Race
Philadelphia Hardware & Malleable Iron Works, 9th & Jefferson
Phosphor-Bronze Smelting Co. (Bronze), 2200 Wash'n av
Reeves Paul S. & Co. (Red & Yellow Brass, etc), 1415 Catharine
Rosenthal's Jos. Sons, 190 W. Berks
Savill's Thos. & Sons, 1310 Wallace
Schoen-Jackson Co., Finance bldg
Schoenewald Robt.
Sheeler-Hemsher Co., 811 Fairmount av
Wright Mfg. Co., 133 Master
PITTSBURGH — American Sheet & Tin Plate Co. (all consumed by the company), Frick bldg
Bronzbraswyt Metals Co., 4901 Butler
Cadman A. W. Mfg. Co., 2816 Smallman
Chaplin-Fulton Mfg. Co., 34 Penn av
**DAMASCUS BRONZE CO.** ("Damascus," for Rolling Mills, Railroads & Electric Railways), North Side
*See adv index at end of book*
Griscom-Russell Co.
*See adv index at end of book*
Kelly & Jones Co., 135 Water
**KEYSTONE BRONZE CO.** (High Grade), 39th & A V RR.
*See adv index at end of book*
Lawrenceville Bronze Co., Bessemer bldg, Pittsburgh, Pa.
Mackintosh-Hemphill Co. (Rolling Mill, etc.), ft. of 12th
Mesta Machine Co., Box 1124.
*See adv index at end of book*
National Car Wheel Co, (Brass) Keystone bldg.
Newlands Bros., 28th & A. V. Ry.
Pittsburgh Brass Mfg. Co., Penn & 33d
Pittsburg Lamp, Brass & Glass Co., 130 7th
Pittsburgh Piping & Equipment Co., 35th & Charlotte
Pittsburgh Valve, Foundry & Construction Co., 26th & A V RR
Ryder Brass Foundry Co., Ferguson bldg.
Vanadium Metals Co., Vanadium bldg
PITTSTON—Exeter Machine Wks. (Rough or Finished)
POTTSTOWN—Light Mfg. & Foundry Co. ("Automobile")
READING—Crescent Brass Mfg. Co.
Dick Bros.
Excelsior Brass Works (Dry & Green Sands)
Howard Metal Co.
Kline & Co.
Reading Brass Works (Chandelier)
SAYRE—Sayre Stamping Co. (High Grade)
SCRANTON—American Safety Lamp & Mine Supply Co.
Everhart Brass Works
Finch Mfg. Co.
Hughes Bros.
McClave-Brooks Co., Poplar
Scranton Pump Co.
SOUTH BETHLEHEM—Bethlehem Steel Co.
SWISSVALE—Union Switch & Signal Co.
TARENTUM—Shoop Bronze Co.
WAYNESBORO—Waynesboro Foundry & Machine Co.
WILKES-BARRE—Vulcan Iron Works
WILLIAMSPORT—Darling Valve & Mfg. Co. (Ltd.)
United States Machine Co.
Valley Iron Works (Also Iron)
YORK—York Hardware & Brass Wks. (Up to 3 Tons)
YOUNGWOOD — Robertshaw Mfg. Co. (Brass )

### RHODE ISLAND.

CENTRAL FALLS—Newell Fred. E.
PAWTUCKET—Jenkinson Brass Foundry Co.
PROVIDENCE—Allen Fire Dept. Supply Co., 159 Aborn
Feeley W. J. Co., 169 S Angell
Fuller Iron Works, 40 Tockwotten
Ideal-Die Casting Co., 756 Eddy
Lyon J. W., 46 Clifford
Providence Brass & Aluminum Foundry, 460 Eddy
White-Stillman Foundry Co., 1 Bark
WOONSOCKET—Woonsocket Machine & Press Co.

### SOUTH CAROLINA.

CHARLESTON—Charleston Dry Dock & Machine Co.
Charleston Iron Works
GREENVILLE—Greenville Iron Works

### TENNESSEE.

CHATTANOOGA—Acheson Foundry & Machine Works
Columbian Iron Works
Gustafson Mfg. Co.
Price-Evans Foundry Co.
Sharp J. C. Brass Works
CLARKSVILLE—Clarksville Foundry & Machine Works
KNOXVILLE—Fair Foundry Co.
Knoxville Foundry & Machine Co.
MEMPHIS—Chickasaw Machine & Foundry Co.
NASHVILLE—Lawrence J. H. & Sons
Nashville Machine Co.


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*OF ANY SIZE FOR*
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### TEXAS.

BEAUMONT—Beaumont Iron Works Co
DALLAS—Mosher Mfg. Co.
Mosher Mfg. Co.
DENISON—Knaur & Howe (Also Iron)
Knaur W. E.
FORT WORTH—Midland Brass Works
HOUSTON—Dickson Car Wheel Co.
Southern Brass Mfg. & Plating Co.
MARSHALL—Marshall Car Wheel & Foundry Co.

### UTAH.

SALT LAKE CITY—Capital Brass Fdry.
Salt Lake Engineering Works

### VERMONT.

POULTNEY—Ruggles Machine Co.
SPRINGFIELD—Springfield Brass Co.

### VIRGINIA.

COVINGTON—Covington Machine Co.
CHARLESTON — Kanawha Mfg. Co, (Brass).
LYNCHBURG—Hubard Fdry. & Machine Works
NORFOLK—Edmonds W. A. & Co.
PETERSBURG—Appomattox Iron Works & Supply Co., Inc
RICHMOND—Carr Jas. W., 7 N. 25th
McGee O. G. & Son, 2312 E. Main
Richmond Fdry. & Mfg. Co. (Light)
Hermitage rd
**Strickland Machine Co., 2330 E Main**
Tredegar Co. (Brass), ft. of 5th
ROANOKE—Roanoke Iron Works

### WASHINGTON.

BELLEVUE—Sherman Eugene M. Everett.
Nordeen Foundry Co.
SEATTLE—Art Hardware & Mfg. Co.
Eagle Brass Foundry Co.
*See adv index at end of book*
Enterprise Brass Foundry
**Seattle Brass Co.**
Seattle Cons. & Dry Dock Co.
SPOKANE—Union Iron Works
TACOMA—Griffin Wheel Co. (Also Iron)
Puget Sound Iron & Steel Works

### WEST VIRGINIA.

CHARLESTON — Kanawha Mfg. Co. (Brass).
South Side Foundry & Machine Wks. (Brass)
MORGANTOWN—Chrisman Foundry Co.
POINT PLEASANT—Heslop J. W. C.
WHEELING—Wheeling Bronze Casting Co.

### WISCONSIN.

ALGOMA—Wodsedalak Jos.
APPLETON—Valley Iron Works Co.
BELOIT—Lipman Refrigerator Car & Mfg. Co.
BURLINGTON—Burlington Brass Wks. (Brass Founders & Finishers)
CEDAR GROVE—Wisconsin Foundry & Steel Works
KENOSHA—Frost Mfg. Co.
LA CROSSE—Franklin Iron Works (Also Iron)
MERRILL—Merrill Iron Works
MILWAUKEE—American Brass Foundry Co.
Claus Automatic Gas Cock Co.
Fisher Specialty Co, (Special Brass Castings), 326 Ogden av.
Magnus Co., Inc. (Up to 2000 lbs.), Greenfield av.
Hoffman B. Mfg. Co., 257 6th
Kagel Bros. 1208 St. Paul av
Kruecke Bros. Mfg. Co., 515 Park
Lamp & Miller Mfg. Co., 382 4th
Loeffelholz Co., 170 Clinton
Milwaukee Aluminum & Brass Foundry Co, 295 Reed
Milwaukee Brass Mfg. Co., 251 Lapham
Milwaukee Bronze Casting Co., 119 Clinton
Milwaukee Valve Co., 139 Burrell
Rundle-Spence Mfg. Co., 63 2d
Standard Brass & Iron Works, 1820 St. Paul av
NEENAH—Neenah Brass Works
OSHKOSH—Wisconsin Iron & Metal Co.
RACINE—National Aluminum Co.
Racine Aluminum & Brass Foundry Co.
Racine Brass & Iron Co.
SHEBOYGAN—Jenkins Machine Co.
SOUTH MILWAUKEE—Stowell Co.
TOMAHAWK—Tomahawk Steel & Iron Works
WATERTOWN—Brandt-Dent Co.

## 2152— Castings (Bridge)

Atlas Steel Casting Co. (Steel), Buffalo, N. Y.
Bonney-Floyd Co. (Open-Hearth, Converter & Electric Steel), Columbus, O.
Builders' Iron Foundry (For Caissons etc), 9 Codding, Providence, R. I.
Chester Steel Castings Co., Chester, Pa
Cureton Wm. & Sons (Grey Iron), Lexington, Richland Co., O.
Minneapolis Elec. Steel Castings Co., 38th av N E & 5th, Minneapolis, Minn.
**Morgan Engineering Co., Alliance, O.**
*See adv index at end of book*
Nunning Frank & Son, 215 W 2d, Cincinnati, O.
Penn Seaboard Steel Corp, Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
Pettis W. W Co, 416-417 First Nat'l Bank bldg., Cincinnati, O.
*See adv index at end of book*
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Smith Geo. H. Steel Castings Co., 500 Clinton
Southern Wheel Co. (Grey Iron), Railway Exchange bldg, St. Louis, Mo.
Strong Steel Foundry Co. (Steel), Buffalo, N. Y.
Union Steel Casting Co., Pittsburgh, Pa.
Vulcan Mfg. Co., 1200 4th av. (So.), Seattle, Wash.
Warren Steel Casting Co. (Steel), 3400 Mawry, St. Louis, Mo.
Western Steel Car & Foundry Co.., 122 S. Michigan, Chicago. Ill.
Withers Foundry & Machine Works, Atlanta, Ga.

### Castings (Builders')

See firms marked with a Star (*) in Iron, Architectural & Ornamental; also Machinists & Founders

## 2152a— Castings (Car)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Pettis W. W. Co., First Nat'l Bank bldg., Cincinnati, O.
*See adv index at end of book*
Union Spring & Mfg. Co., 1211 Fulton bldg., Pittsburgh, Pa.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av., Seattle, Wash.

## 2153—Castings (Carbon Steel)

Atlas Steel Casting Co. (Steel), Buffalo, N. Y.
Chain Belt Co., Milwaukee, Wis.
Jewell Steel & Malleable Co., Buffalo, N. Y.
**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Malleable Iron Fittings Co., Branford, Conn.
Parsons Co., Newton, Ia.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Pettis W. W. Co, 416-417 First Nat'l Bank bldg., Cincinnati, O.
*See adv index at end of book*
St. Louis Steel Foundry, Hamburger & Kienlen av, St. Louis, Mo.
Smith Geo. H. Steel Castings Co., 500 Clinton
Strong Steel Foundry Co., Buffalo, N. Y.
*See adv index at end of book*
Union Steel Casting Co., Pittsburgh, Pa.
Union Spring & Mfg. Co., 1211 Fulton bldg., Pittsburgh, Pa.
*See adv index at end of book*
Vulcan Mfg. Co, 1200 4th av., Seattle, Wash.
Warren Steel Casting Co. (Crucible), 3400 Mawry, St. Louis, Mo.
**WHARTON WM. JR. & CO., INC.**, Easton, Pa.

## 2153a— *Castings (Caustic)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 2153b—Castings (Cement Mill)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Traylor Engineering Co., Allentown, Pa.
*See adv index at end of book*
Vulcan Mfg. Co, 1200 4th av., Seattle, Wash.

## 2154—Castings (Charcoal Iron)

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Cureton Wm. & Sons, Lexington, Richland Co., O.
**FULLER-LEHIGH CO.**, Fullerton, Pa.
*See adv index at end of book*
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
**National Roll & Foundry Co., Avonmore**, Pa.
Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Southern Wheel Co., Railway Exchange bldg, St. Louis, Mo.
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
Standard Foundry Co., Buffalo, N. Y.
**Taylor-Wilson Mfg. Co. (Gun Iron), McKees Rocks, Pa.**
Youngstown Foundry & Machine Co., Youngstown, O.

## 2155—Castings (Chemical Works)

Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Brunner Mach'y Co., Peru, Ill.
**BUFFALO FOUNDRY & MACHINE CO.**, (Up to 200 Tons)
65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Camden Iron Works, Camden, N. J.
Capital Brass Fdry., Salt Lake City, Utah
Clark J. Alfred, 35th & Gray's Ferry rd, Phila., Pa.
Cureton Wm. & Sons, Lexington, Richland Co., O.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Duriron Castings Co. ("Duriron" acid), Dayton, O.
Eastwood Wire Mfg. Co., Belleville, N. J.
Farrar & Trefts, Inc., Buffalo, N. Y.
*See adv index at end of book*
**Ferguson & Lange Foundry Co., Clybourne av & Willow, Chicago, Ill.**
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Glamorgan Pipe & Foundry Co., (Heavy), Lynchburg, Va.
**Hunsicker Engineering Co., Lebanon, Pa.**
Marshall Foundry Co., 28th & RR, Pittsburgh, Pa.
Moore Bros. Co. (High Grade), Elizabeth, N. J.
Penn Seaboard Steel Corp, Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Stuart & Peterson Co., Burlington, N. J.
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**
Titanium Bronze Co., Inc., Niagara Falls, N. Y.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

LEDYARD COGSWELL, President B. JERMAIN SAVAGE, Vice-President FRANKLIN TOWNSEND, Sec'y & Treas.

*Established 1807*

**The Townsend Foundry and Machine Shop Co.**

BROADWAY AND RENSSELAER STREET

General Foundry, Pattern and Machine Shop
ALBANY, N. Y.

We specialize in Gearing, Mechanical and Chemical Machinery, Gray Iron Castings to Eight Tons, Quality Cast Iron Kettles, Mixing and Grinding Machinery for Chemical Purposes

**TOWNSEND FOUNDRY & MACHINE SHOP CO.**, Broadway & Rensselaer, Albany, N. Y.
*See adv index at end of book*
**WHEELER CONDENSER & ENGINEERING CO.**, Carteret, N. J.
*See adv index at end of book*
**Wood R. D. & Co., 400 Chestnut, Phila., Pa.**

## 2156— Castings (Chilled)

**Chain Belt Co., Milwaukee, Wis.**
**Cureton Wm. & Sons, Lexington, Richland Co., O.**
**Farrel Foundry & Machine Co. (Iron), Ansonia, Conn.**
**Fuller-Lehigh Co., Fullerton, Pa.**
**Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.**
**Grote F. Mfg. Co., Evansville, Ind.**
**Iowa Steel & Iron Works, Cedar Rapids, Iowa**
**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
**Lobdell Car Wheel Co. (Iron, Any Weight), Wilmington, Del.**
**Marion Machine, Foundry & Supply Co., Marion, Ind.**
**Morgan Engineering Co., Alliance, O.**
*See adv index at end of book*
**New York Car Wheel Co., Buffalo, N. Y.**
**Pressed Steel Car Co. (Iron), 307 5th av, Pittsburgh, Pa.**
**Russell Wheel & Foundry Co. (Iron), Chene & Bl. RR, Detroit, Mich.**
**Standard Foundry Co., Buffalo, N. Y.**
**Stearns-Roger Mfg. Co., Denver, Col.**
**United Iron Works Co., Kansas City, Mo.**
**Vulcan Mfg. Co, 1200 4th av., Seattle, Wash.**
**Western Steel Car & Foundry Co. (Iron), 122 S Michigan, Chicago, Ill.**

## 2157— *Castings (Chilled Iron)

**FULLER-LEHIGH CO., Fullerton, Pa.**
*See adv index at end of book*
**Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.**

## 2158—Castings (Chrome Steel)

**American Steel Foundries, McCormick bldg, Chicago, Ill.**
**Chrome Steel Works (Crucible & Open Hearth), Chrome, N. J.**
**Crucible Steel Casting Co., Lansdowne, Pa.**
**Fiesta Machine Co., Box 1124, Pittsburgh, Pa.**
*See adv index at end of book*
**Ivyer Steel Castings Co., Milwaukee, Wis.**
**Union Spring & Mfg. Co., 1211 Fulton bldg., Pittsburgh, Pa.**
*See adv index at end of book*
**Vulcan Mfg. Co, 1200 4th av., Seattle, Wash.**
**Warren Steel Casting Co. (Crucible), 3400 Mawry, St. Louis, Mo.**

## 2159— *Castings (Compressor)

**BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.**
*See adv index at end of book*
**Vulcan Mfg. Co, 1200 4th av., Seattle, Wash.**

## 2159a— Castings (Condenser)

**Fuller-Lehigh Co., Fullerton, Pa.**
*See adv index at end of book*
**KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.**
*See adv index at end of book*
**Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.**
*See adv index at end of book*
**Traylor Engineering & Mfg. Co., Allentown, Pa.** *See adv index at end of book*
**Vulcan Mfg. Co, 1200 4th av., Seattle, Wash.**

## 2160— Castings (Converter Steel)

See also Castings, Steel

**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
***See adv index at end of book***
*See adv index at end of book*
**Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.**
**Smith Geo. H. Steel Castings Co., 500 Clinton, Milwaukee, Wis.**
**Union Spring & Mfg. Co., 1211 Fulton bldg., Pittsburgh, Pa.**
*See adv index at end of book*
**Wharton Wm. Jr., & Co., Inc., Easton, Pa.**

## 2161— Castings (Copper)

**Ajax Metal Co., 46 Richmond, Philadelphia, Pa.**
**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
**Anderson Albert & J. M. Mfg. Co. (High Electric Conductivity), 289 A, Boston, Mass.**
**Atkinson Co., Rochester, N. Y.**
**Bailey-Burruss Mfg. Co., Atlanta, Ga.**
**Belfield H. Co., 435 N Broad, Phila., Pa.**
**Buckeye Brass & Mfg. Co., 6410 Hawthorne, Cleveland, O.**
**Connellsville Machine & Car Supply Co., Connellsville, Pa.**
**Cooper C. & G. Co., Mt. Vernon, O.**
**Crown Smelting Co., Chester, Pa.**
**Dixie Brass & Foundry Co., Birmingham, Ala.**
**Eastwood Wire Mfg. Co., Belleville, N. J.**
**Edwardsville Brass Co., Edwardsville, Ill.**
**Electric Materials Co., North East, Pa.**
**Erie Bronze Co., 353 W. 19th, Erie, Pa.**
*See adv index at end of book*
**Eureka Co., North East, Pa.**
**Eynon-Evans Mfg. Co., N 15th & Clearfield, Phila., Pa.**
**GERDES & CO.**, 42 Church, New York
*See adv index at end of book*
**Gilb V. & Son, Birmingham, Ala.**
**Gilbert A. & Sons Brass Foundry Co., 4019 Forest Park blvd, St. Louis, Mo.**
**Graham Jas. & Co., New Haven, Conn.**
**Great Lakes Brass Foundry (Solid), Bay City, Mich.**
**Hampden Brass Co., Springfield, Mass.**
**Harley Co., Springfield, Mass.**
**Henderson Shipbuilding Co., Mobile, Ala.**
**Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.**
**Ideal-Die Casting Co., 756 Eddy, Providence, R. I.**
**Jefferson Brass Foundry, 209 King, Brooklyn, N. Y.**
**Jenkins Mfg. Co., Bloomfield, N. J.**
**Keystone Bronze Co. (High Grade), 39th & A V RR, Pittsburgh, Pa.**
*See adv index at end of book*
**Knoxville Foundry & Machine Co., Knoxville, Tenn.**
**Lawrenceville Bronze Co. (Railroad, Machinery, etc), Pittsburgh, Pa.**
**Liberty Brass Works, 303 W Lombard, Baltimore, Md.**
**Long Bros., Kokomo, Ind.**
**LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.**
*See adv index at end of book*
**LUNKENHEIMER CO.** Executive offices and Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**McKim Foundry & Machine Co., Lockport, N. Y.**
**Magnis Co, Inc, 860 N. Main, Los Angeles, Cal.**
**Magnus Metal Co., 111 B'way, New York**
**Marion Machine, Foundry & Supply Co., Marion, Ind.**
**Midland Brass Works, Ft Worth, Tex.**
**MORE-JONES BRASS & METAL CO., B'way & Dock, St. Louis, Mo.**
*See adv index at end of book*
**Penn Brass & Bronze Works, 111 Dobbin, Brooklyn, N. Y.**
**Pevey Foundry Co., Lowell, Mass.**
**Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.**
**Prier Brass Mfg. Co., Kansas City, Mo.**
**Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.**
**Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.**
**San Diego Machine Co., San Diego, Cal.**
**Sheeler-Hemsher Co., 811 Fairmount av, Phila., Pa.**
**Smeeth-Harwood Co. (For Blast Furnaces, etc), 2401 W 22d, Chicago, Ill.**
**Stanley Bronze Co., Bridgeport, Conn.**
**Titanium Bronze Co., Inc., Niagara Falls, N. Y.**
**Toledo Brass & Novelty Works, Toledo, O.**
**Turner & Seymour Mfg. Co., Torrington, Conn.**
**Union Brass Foundry Co., Lowell, Mass.**
**Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.**
**Ward & Williams, Hancock, Mich.**
**Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.**

## Castings (Crucible Steel)

**See firms in Castings, Steel, with the word Crucible following their names**

## 2162— Castings (Die Cast)

**Acme Die Casting Corp., 87 35th, Brooklyn, N. Y.**
**Alemite Die-Casting & Mfg. Co., 341 W Chicago av, Chicago, Ill.**
**American Castings & Mfg. Corp. 30 Main, Brooklyn, N. Y.**
**American Bearing & Die-Casting Corp., 212 W McCarthy, Indianapolis, Ind.**
*See adv index at end of book*
**American Die Casting Co. of N. Y., 381 Kent av, Brooklyn, N. Y.**
**Am Tool & Mfg Co., Urbana, O.**
**Barnhart Bros. & Spindler, 32 Throop, Chicago, Ill.**
**Berkeley Fourniss Co., Madison, Wis.**

CASTINGS (DIE CAST)—continued

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Chatham Die-Casting Co, 128 Mott, N. Y.
Cureton Wm. & Sons, Lexington, Richland Co., O.
Die Casting Co. of Ohio, Toledo, O.
*See adv index at end of book*
**Doehler Die Casting Co. (Die Casting & Die Cast Babbitt Bearings), Huntington, Brooklyn, N. Y.**
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv index at end of book*
Franklin Die-Casting Corp, 101 Magnolia, Syracuse, N. Y.
Great Lake Steel Products Co, Inc, 431 So. Dearborn, Chicago, Ill.
**Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.**
Legler-Eilerman Co., Dayton, O.
Light Mfg. & Foundry Co., Pottstown, Pa.
Lough Bros., 90 West, New York
MacDonald Hay Co., Syracuse, N. Y.
Marf Machine & Die-Casting Co., Inc., 17 Vandewater, New York
Milwaukee Die Casting Co., 297 4th, Milwaukee, Wis.
Moberg C. J., Mt. Vernon, N. Y.
Mogul Metal Co., 161 Larned, Detroit, Mich.
Muetter Metals Co, Port Huron, Mich.
**Muzzy-Lyon Co., Ltd., 161 Larned W, Detroit, Mich.**
National Lead Co., 111 B'way, New York
Parker White Metal & Machine Co., Erie, Pa.
Phoenix Die Casting Co., 21 Illinois, Buffalo, N. Y.
Precision Castings Co., Inc. (White Metal Die Castings, Die Cast Babbitt Bearings, Brass, Bronze & Aluminum Sand Castings), Syracuse, N. Y.
Recording Devices Co., Dayton, O.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*

**H. G. SAAL COMPANY**
MANUFACTURERS OF
**Talking Machine Motors and Parts**
**High Grade Dies, Tools, Jigs and Gauges, Light and Heavy Punch Press Work, Metal Specialties, Economical Contract Manufacturing, Die Moulded Castings.**
Office FOUR FACTORIES
**1800 Montrose Ave. Chicago, Ill.**

Spacke Machine & Tool Co., Indianapolis, Ind.
Stewart Mfg. Co. (Vacuum Process), 4035 Fullerton Av., Chicago, Ill.
Stroh Die Moulded Casting Co., 161 Michigan, Milwaukee, Wis.
**Syracuse Die Moulded Casting Co., Syracuse, N. Y.**
Titanium Bronze Co., Inc., (Bronze) Niagara Falls, N. Y.
United Lead Co., 111 B'way, New York
Van Wagner E. B. Mfg. Co., Fayetteville, N. Y.
**Wing T. J. & Co. (Journal Bearing & Haru Metal), 19 Woodward av, Detroit, Mich.**

## 2162a—*Castings (Digester, Dryer & Tank)

**KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.**
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## 2163—Castings (Dredge, Steam Shovel, Etc.)

**American Manganese Steel Co. ("Amsco" Brand, Manganese Steel), 332 S Michigan av, Chicago, Ill.**
Atlas Steel Casting Co. (Steel), Buffalo, N. Y.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bonney-Floyd Co. (Manganese & Various Carbon & Alloy Steels), Columbus, O.
**BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.**
*See adv index at end of book*
Cureton Wm. & Sons, Lexington, Richland Co., O.
Detroit Steel Casting Co. (Steel), 1243 Michigan, Detroit, Mich.
**ELLICOTT MACHINE CORP., 1111 Bush Baltimore, Md.**
*See adv index at end of book*
Midvale Steel & Ordnance Co., Widener bldg, Philadelphia, Pa.
**Morgan Engineering Co. (Steel), Alliance, O.** *See adv index at end of book*
Parsons Co., Newton, Ia.
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Strong Steel Foundry Co. (Steel), Buffalo, N. Y.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Union Spring & Mfg. Co., 1211 Fulton bldg., Pittsburgh, Pa.
*See adv index at end of book*
United Iron Works Co., Kansas City, Mo.
Union Steel Casting Co., Pittsburgh, Pa.
Warren Steel Casting Co., 3400 Mawry. St. Louis, Mo.

## 2163a—Castings (Electric Steel)

Acme Steel & Malleable Iron Works, 245 Military rd, Buffalo, N. Y.
Alloy Electric Steel Casting Co., Warren, Ohio.
**American Steel Foundries, McCormick bldg., Chicago, Ill.**
Anniston Steel Co. (Black & Galvanized), Anniston, Ala.
Bayonne Steel Castings Co., Bayonne, N. J.
Cincinnati Steel Castings Co., Queen City & Spring Grove avs., Cincinnati, Ohio.
Connecticut Electric Steel Co., Inc., Hartford, Conn.
Dayton Malleable Iron Co., Dayton, O.
Dayton Steel Foundry Co., Dayton, O.
**Electric Steel Co. of Ind., Indianapolis,** Ind.
Enterprise Fdy Co., 20 Stewart, San Francisco, Cal.
French Creek Fdry. Co., Franklin, Pa.
Minneapolis Elec. Steel Castings Co., 38th av, N. E., & 5th, Minneapolis, Minn.
**National Malleable Castings Co., 7706** Platt, S E Cleveland, O.
Pelton Steel Co., 672 Kinnickinnic, Milwaukee, Wis.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, Ohio.
*See adv index at end of book*
**Racine Steel Castings Co., Racine, Wis.**
Spencer Heater Co., Scranton, Pa.
Stowell Co., South Milwaukee, Wis.
**Treadwell Engineering Co., Easton, Pa.**
*See adv index at end of book*
**UNION SPRING & MFG. CO., 1211 Fulton bldg., Pittsburgh, Pa.**
*See adv index at end of book*
Vulcan Mfg. Co, 1200 4th av., Seattle, Wash.
Warman Steel Casting Co., Box 608, Los Angeles, Cal.
**West Steel Castings Co., 805 E 70th, Cleveland, O.**
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 2164— Castings (Electrical)

**BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.**
*See adv index at end of book*
Midwest Brass & Copper Co., Inc. (Brass), 480 Broome, New York.
*See adv index at end of book*
Ohio Steel Foundry Co., Lima, O.
Premier Machinery Co., Oakland, Cal.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.
*See adv index at end of book*

## 2165— Castings (Evaporator)

Cureton Wm. & Sons, Lexington, Richland Co., O.
**Devine J. P. Co., Buffalo, N. Y.**
Gowanda Agricultural Works ("Gowanda," for Maple Sugar, Complete Sets), Gowanda, N. Y.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## 2165a— *Castings (Finished)

Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.

## 2166-7—Castings (Gas Engine)

Aluminum Castings Co., 2210 Harvard Av, Cleveland, O.
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.**
*See adv index at end of book*
Chrisman Foundry Co., Morgantown, W. Va.
Cureton Wm & Sons, Dayton, O.
Enterprise Fdy. Co., 20 Stewart, San Francisco, Cal.
Hanson Clutch & Machy Co., Tiffin, O.
*See adv index at end of book*
Motor Castings Co., South Bend, Ind.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.
*See adv index at end of book*

**DIE CASTINGS**
**of Quality**
**The DIE CASTING COMPANY of OHIO**
**TOLEDO, OHIO, U. S. A.**

**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## Castings (Gas & Water)

See Cast Iron Pipe Manufacturers, Gas & Water; also Gas Works Apparatus & Construction

## 2168—Castings (Glass Furnace)

Dixon H. L. Co., Rosslyn rd, Pittsburgh, Pa.
Patch S. B. & Sons Co., Streator, Ill.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, O.
*See adv index at end of book*
United Roll & Foundry Co., Ravenna, O.

## 2168a— Castings (Gold)

Ideal-Die Casting Co., 756 Eddy, Providence, R I.

## 2169— Castings (Grey Iron)

This List is duplicated under Machinists & Founders; see also Castings, Malleable Iron

### ALABAMA.

ANNISTON — Bosworth-Ard Machine & Foundry Co.
BIRMINGHAM—Birmingham Mach. & Fdry. Co.
Hardie-Tynes Mfg. Co. (Heavy up to 40,000 lbs)
Joubert & Goslin Mach. & Fdry. Co.
Kilby Pipe & Foundry Co., Birmingham, Ala.
*See adv index at end of book*
Montgomery Coal Washing & Mfg. Co. (Up to 2,500 lbs)
Wallwork H. Foundry Co. (Small)
HUNTSVILLE—Grace C. M. & Co. (Up to 3,000 lbs)
MOBILE—Alabama Dry Dock & Shipbuilding Co.
Henderson Shipbuilding Co.
Mobile Stove & Pulley Mfg. Co.
MONTGOMERY—Hartley Boiler Works (Up to 10,000 lbs)
Janney & Co. (Up to 7,000 lbs)
NEW DECATUR—Decatur Cornice & Roofing Co.
TUSCALOOSA—Tuscaloosa Iron Works

### ARKANSAS.

LITTLE ROCK—Arkansas Fdry. Co.

### CALIFORNIA.

CHICO—Diamond Match Co. (Engineering Dept.)
COALINGA—Bunting Iron Works
LOS ANGELES—Baker Iron Works, 912 N Broadway
Eccleston Machy Co., 162 S. Anderson
Llewellyn Iron Works.
Monarch Foundry Co.
Union Tool Co.
Washington Iron Works
OAKLAND—Empire Foundry Co.
RICHMOND—Santa Fe Fdry Co.
SAN DIEGO—California Iron Works
SAN FRANCISCO—Enterprise Fdy. Co., 20 Stewart
Graham Jas. Mfg. Co., 531 Mission (Light)
STOCKTON—Stockton Iron Works
Samson Iron Works
TORRANCE—Union Tool Co.
UPLAND—Upland Foundry & Machinery Co.

### COLORADO.

COLORADO SPRINGS—Hassel Iron Works Co. (Up to 5 Tons)
DENVER—Denver Iron Works & Foundry Co. (Up to 5 Tons)
Enz Iron Fdry. Co. (Up to 15 Tons)
Mountain Iron Works Co. (Up to 5 Tons)
Shave Furnace & Metal Appliance Co., (Light) W. Warren av & So Delanao
Stearns-Roger Mfg. Co.
Walker Mfg. Co. (Up to 5 Tons)
LEADVILLE—Engelbach Machine Mfg. Co.
PUEBLO—Pueblo Brass & Iron Fdry
Pueblo Foundry & Machine Co. (Up to 25 Tons)

### CONNECTICUT.

ANSONIA—Farrel Foundry & Machine Co.
BRIDGEPORT—Bilton Machine Tool Co., The (Machine)
Bridgeport Malleable Iron Works (Branch of Eastern Malleable Iron Co.)
Pequonnock Foundry (Light & Medium)
BRISTOL—Sessions Foundry Co. (Small & Large to Order)
DANBURY—Turner Machine Co.
DERBY—Birmingham Iron Foundry (Heavy)
GUILFORD—SPENCER'S I. S. SONS (INC.)
HARTFORD—Capitol Foundry Co.
Laragy P.
Taylor & Fenn Co.
MERIDEN—Parker Charles Co.
MIDDLETOWN—Wilcox, Crittenden & Co. Inc. *See adv index at end of book*
NEW BRITAIN—Malleable Iron Works
Union Mfg. Co. (Light), 300 Church st R. R. Crossing
*See adv index at end of book*
NEW HAVEN—Barnum S. H.
McLagon Foundry Co. (All Weights)
Warner G. F. Mfg. Co.
NEW LONDON—Hopson & Chapin Mfg. Co. (High Grade, up to 1,000 lbs)
NORWALK—Arnold & Co.
Meeker's Union Foundry Corp.
NORWICH—Vaughn Foundry Co.
ROCKY HILL—Champion Mfg. Co.
ROXBURY—Bronson Wm. & Hy
SHELTON—Meyer Fred'k C. (Small Castings a Specialty)
SOUTH NORWALK—Norwalk Iron Wks. Co.
Wheeler Bros.
TORRINGTON—Turner & Seymour Mfg. Co.
WATERBURY—Manufacturers' Foundry Co. (Cylinder)
Waterbury Castings Co.
Waterbury Foundry Co. (Low & Medium Grade Castings)

### DELAWARE.

EAST WILMINGTON—HILLES & JONES CO. (Up to 75 Tons)
*See adv index at end of book*
WILMINGTON—Lobdell Car Wheel Co. (All Weights)
Poole J. Morton Co., ft. of Thorn

### FLORIDA.

JACKSONVILLE—Florida Machine Works
Murphy Timothy Iron Works
Southern Iron & Metal Co.
MIAMI—Lyne C. H.
OCALO—Ocalo Iron Works
ORLANDO—South Florida Foundry & Machine Works
PALATKA—Stanton Foundry & Machinery Co.
TALLAHASSEE—Tallahassee Iron Works
TAMPA—Tampa Steam Ways Co.

### GEORGIA.

ATHENS—Athens Foundry & Machine Works
ATLANTA—American Machine & Mfg. Co.
Bailey-Burruss Mfg. Co. (Up to 2,000 lbs)
Georgia Car & Locomotive Co. (Up to 10,000 lbs)
SOUTHERN IRON & EQUIPMENT CO. (Up to 2,000 lbs.)
Spalding Foundry Co. (Up to 10,000 lbs)
Withers Foundry & Machine Works (Up to 10,000 lbs)
AUGUSTA—Georgia Iron Works
Lombard Iron Works & Supply Co.
BRUNSWICK — Brunswick Construction Corp.
COLUMBUS—Columbus Iron Works (Up to 10,000 lbs)
Golden's Foundry & Machine Co.
CORDELE—Tomlin-Harris Machine Co.
MACON—Taylor Iron Works & Supply Co.
NEWNAN—Cole R. D. Mfg. Co. (Up to 2,000 lbs)
ROME—Davis Foundry & Machine Works
Rome Machine & Fdry Co. (Up to 8,000 lbs)
SAVANNAH—Kehoe Iron Works (Up to 4,000)
Rourke John & Sons (Up to 6,000 lbs)
WEST POINT—West Point Iron Works
WINDER—Woodruff Machinery Mfg. Co.

### ILLINOIS.

ALTON—Duncan Foundry & Machine Works (Up to 7,000 lbs)
AURORA—Aurora Foundry Co. (Machine Pulley Castings, etc)
Love Bros.
BELLEVILLE—Excelsior Foundry Co. (Up to 3,000 lbs)
Harrison Machine Works (Up to 300 lbs)
M. H. Foundry & Mfg. Co.
BELVIDERE—National Sewing Machine Co. (Up to 400 lbs)
BLOOMINGTON—American Fdry. & Furnace Co.
Ma Girl P. H. (Up to 8,000 lbs)
CAIRO—Reed Hardware & Mfg. Co.
CHAMPAIGN—Burr Co.
CHICAGO—American Building Foundry Co., 2300 S Springfield av
Bolter's A. Sons (Builders' Castings, etc), 2301 Ward
Brady Jas. A. Foundry Co. (High Grade Machinery Castings), 75th & Western blvd
Brady Jas. A. Fdry. Co., 45th and Western blvd.
Central Foundry Co., 338 N May
Cummings T. A. Foundry Co., 1338 Cortland
Dawson Brothers, 523 N Halsted
Dee Wm. E. Co., 30 N La Salle
Eddy R. M. Foundry Co. (Boiler & Machinery, Castings, Grate Bars, etc), 372 W Grand av
Ferguson & Lange Foundry Co. (1 lb to 50 tons), Clybourne av & Willow
Fort Dearborn Foundry Co., 23rd & Stewart av
Greenlee Foundry Co., 664 W 12th
Griscom-Russell Co.
*See adv index at end of book*
Illinois Malleable Iron Co., 1801 Diversey blvd
Jones W. A. Foundry & Machine Co., 4401 W 12th
LINK-BELT CO., 329 W 39th
*See adv index at end of book*
Mason Davis & Co., 7740 S Chicago av
Monighan Machine Co. (Light & Heavy), 2032 Carroll av, Chicago, Ill.
Reder Foundry Co., 3536 S Oakley av.
Reedy Foundry Co., 4600 Iowa
Smith F. P. Wire & Iron Works (Specialty, Ornamental Building Castings), 2840-48 Clybourn av.
*See adv index at end of book*
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway
Tarrant Foundry Co. (Light & Heavy), 373 W Grand av
Vierling Steel Works, 313 W 23d
Western Foundry Co. (Light Grey), 3634 S Kedzie av
Western Steel Car & Foundry Co. (Car, Locomotive & Machy.), 122 S Michigan
CHICAGO HEIGHTS—McDowell Fdry. Co. (Up to 10,000 lbs.)
DECATUR—Decatur Foundry Co. (Up to 3,000 lbs)
Stevens Mfg. & Foundry Co. (Up to 2,000 lbs)
Union Iron Works (Up to 10,000 lbs)
EAST ST. LOUIS—Excelsior Tool & Machine Co. (Up to 12,000 lbs), 32d & Ridge
FRANKLIN PARK—Franklin Park Fdry. Co.
FREEPORT—Arcade Mfg. Co. (Light)
Rawleigh, W. T. (Light and Heavy)
Stover Mfg. & Engine Co. (Light)
GALENA—Galena Iron Works Corp.
Westwick John & Son
GALESBURG—Galesburg Malleable Castings Co. (Light & Medium)
Shaw Welsh & Co.
HARVEY—Pettigrew Foundry Co. (1 oz. to 3½ tons)
JOLIET—Humphrey & Sons
Joliet Mfg. Co. (Small)
KANKAKEE—Beaumont Valve & Hydrant Works
Kankakee Foundry Co.
LITCHFIELD—Litchfield Fdry. & Machine Co.
MONMOUTH—Maple City Furnace Co.
MOUNT VERNON—Mount Vernon Car Mfg. Co.
MURPHYSBORO—Egyptian Iron Works
NORTH CHICAGO—Chicago Hardware Foundry Co. (Best Light Grey)

ILLINOIS—continued
PEKIN—Duisdieker Foundry & Mfg. Co. (Up to 7,000 lbs)
PEORIA—Peoria Foundry Co. (Small)
PERU—Brunner Machy. Co. (Up to 4,000 lbs.)
PONTIAC—Spartan Mfg. Co.
**QUINCY—Excelsior Stove & Mfg. Co.**
Modern Iron Works
Quincy Casting Co.
ROCKFORD—Love M. A. Mfg. Co.
Rockford Iron Works
Rockford Mfg. Co. (1 lb up to 1,500 lbs)
ROCK ISLAND—Blake Specialty Co. (From ½ to 300 lbs)
**Rock Island Mfg. Co. (Up to 2,000 lbs)**
SPRINGFIELD—Fetzer & Co. (Up to 14,000 lbs)
STERLING—Novelty Iron Works (Small)
Sterling Foundry Co. (Up to 6,000 lbs)
STREATOR—Patch S. B. & Sons Co. (Up to 5,000 lbs)
URBANA—Leavitt Mfg. Co.

## INDIANA.

**AUBURN—Auburn Foundry**
BRAZIL—Brazil Machine & Foundry Co. (Up to 3,000 lbs)
Shaw Wm. M. Co. (Small)
BEDFORD—Bedford Foundry & Machine Co.
CANNELTON—Lehman Mfg. Co.
COLUMBUS—Caldwell & Drake Iron Works (Machinery Castings a Specialty)
EAST CHICAGO—Green Engineering Co.
ELKHART—Elkhart Hardware Mfg. Co. (Small)
Elkhart Iron Works
ELWOOD—Elwood Foundry
EVANSVILLE—Grote F. Mfg. Co. (Up to 10,000 lbs)
Indiana Stove Works
FORT WAYNE—Bass Foundry & Machine Co. (Up to 60,000 lbs)
Central Foundry Co.
Menefee Foundry Co.
Wayne Foundry Co.
GOSHEN—Kelly Foundry & Machine Co. (Up to 5,000 lbs)
HAMMOND—United Boiler Heating & Foundry Co. (Up to 10,000 lbs.)
HUNTINGTON—Majestic Co.
INDIANAPOLIS—American Foundry Co.
Byram Foundry Co.
Enterprise Iron Works
Indianapolis Foundry Co. (Light)
Inter-State Car Co.
**McNamara-Koster Foundry Co.**
National Malleable Castings Co.
Over Ewald
Peerless Foundry Co.
LAFAYETTE—Wallace Machine & Foundry Co. (For Buildings & Street Work)
MARION—Atlas Foundry Co.
Central Machine & Foundry Co.
Hulley Foundry & Machine Works (Small)
Marion Grey Iron Foundry Co. (Small)
Marion Machine, Foundry & Supply Co. (Up to 20,000 lbs.)
Rutenber Motor Co. (Light, Soft)
MICHIGAN CITY—Haskell & Barker Car Co.
MISHAWAKA—Perkins Wind Mill Co. (Small)
MUNCIE—Eagle Foundry Co. (Small)
Machsts. Foundry Co.
Muncie Foundry & Machine Co.
RICHMOND—Swayne-Robinson & Co. (Small)
Wayne Works
SOUTH BEND—Motor Castings Co.
**SOUTH BEND FOUNDRY CO.**
TERRE HAUTE—Gartland Foundry Co.
WABASH—Wabash Foundry Co. (Up to 10,000 lbs.)
WARSAW—Maish Mfg. Co.

## IOWA.

BOONE—Quinn Wire & Iron Works
BURLINGTON—Murray Iron Works Co. (Heavy, 60,000 lbs.)
CEDAR RAPIDS—Cedar Rapids Foundry & Machine Co. (Up to 6000 lbs.)
Iowa Steel & Iron Works
**Stary Frank & Sons**
COUNCIL BLUFFS—Sprague Foundry & Mfg. Co.
DAVENPORT — Davenport Locomotive Works (Up to 10,000 lbs.)
Davenport Machine & Foundry Co.
Red Jacket Mfg. Co.
DES MOINES—Gibbons Mach. & Fdry. Co.
McDonnell Boiler & Iron Works (Up to 4,000 lbs.)
DUBUQUE—Loetscher-Ryan Mfg. Co. (Light)
MARSHALLTOWN—Central Foundry Co.
MUSCATINE—Niver Iron Works Co. (Light & Heavy, for All Purposes)
NEWTON—Parsons Co. (Up to 6,000 lbs.)
OTTUMWA—Ottumwa Iron Works
WATERLOO—Headfort Bros. & Hitchins Foundry Co.

## KANSAS.

ATCHISON—Thayer Foundry Co.
KANSAS CITY—Kansas City Foundry Co. (Small)
Strait H. N. Mfg. Co.
West Side Foundry Co.
**LEAVENWORTH—Great Western Mfg.** Co. (Up to 3 tons)
TOPEKA—Topeka Foundry & Iron Works
Western Foundry & Machine Works
WICHITA—Western Iron & Foundry Co. (Up to 1 ton)

## KENTUCKY.

ASHLAND—Ashland Iron & Mining Co.
LEXINGTON—Lexington Engine & Boiler Works
**LOUISVILLE—Avery B. F. & Sons (Plain or Machine)**
Dow Wire & Iron Works
Drummond Mfg. Co.
Grainger & Co.
Vogt Brothers Mfg. Co.

## LOUISIANA.

ALEXANDRIA—Ruston Foundry & Machine Shop (Ltd.)
**CROWLEY—Acadia Iron Works (Ltd.)**
**JEANERETTE — Moresi Antoine Co.** (Ltd.)
MANSFIELD—De Sota Foundry & Machine Co. (Ltd.)
NEW ORLEANS—Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av

## MAINE.

AUBURN—Androscoggin Foundry Co.
BANGOR—Noyes & Nutter Mfg. Co.
Union Iron Works
BATH—Torrey Roller Bushing Works
Watson Frye Co., Ltd.
DEXTER—Fay & Scott
HALLOWELL—Fuller's Geo. Sons
PORTLAND—Babbitt Chas. E.
Portland Co. (Up to 20 tons)
RUMFORD—Clark Foundry Co.

## MARYLAND.

BALTIMORE—Bartlett Hayward Co. (All Sizes), Scott & McHenry
Bates Elevator Co., 211 Preston
**Carr Stuart R. & Co., Boston & Montford av**
**ELLICOTT MACHINE CORP.,** 1111 Bush
*See adv index at end of book*
**Flynn & Emrich Co., 305 N Holliday**
Greenmount Iron & Mfg. Co., 889 Greenmount av
Kugler & Shane, Woodall & Clement
Lacy Jas. J. Co., Block & Wills
Levering Mfg. Co., 210 Key Highway
Poole Engineering & Machine Co., Woodbury Sta.
**Sexton S. B. Stove & Mfg. Co., 500 Block W. Conway**
Sheppard Isaac A. Co., Eastern av & Chester
Weiskittel A. & Son Co., 12th & E Lombard
CUMBERLAND—Maryland Mould & Foundry Co.
FREDERICK—Frederick Iron & Steel Co.
HAGERSTOWN—Hagerstown Foundry Co.
Hull's D. F. Sons
Moore Engineering Co.

## MASSACHUSETTS.

ATHOL—Athol Machine Co.
BOSTON—American Tool & Machine Co., 10 High
Boston Stove Foundry Co., 210 Border
Dow L. B., 79 Milk
Gibby Foundry Co., 96 Condor
Laconia Car Co., 60 Congress
Livermore H. F. Inc., 85 Pearl
Smith & Lovett Co., 135 Tyler
CAMBRIDGE—Barbour Stockwell Co.
Cambridge Iron Works
CAMPELLO—N. E. Fdry. & Mach. Co.
CHICOPEE—Ames Sword Co.
Spalding A. G. & Bros. Mfg. Co.
EASTON—Belcher Malleable Iron Co.
FAIRHAVEN—Fairhaven Iron Foundry Co. (Light & Heavy)
FALL RIVER—Fall River Foundry & Machine Co.
Mechanics' Foundry & Machine Co.
FITCHBURG—Goodnow L. H. Foundry Co.
Perault Moses J.
GARDNER—Gardner General Foundry Co.
GLOUCESTER—Reed Geo. A. & Son
HOLYOKE—McHugh Fdry. Co., 90 Sargent
LAWRENCE—Emerson Mfg. Co.
Hamblet Geo. W.
Hart Foundry Co.
LOWELL—Doherty Bros.
SPRINGFIELD—Baush Machine Tool Co.
Davitt Iron Foundry
Metals Production Equipment Co. (Heavy)
Springfield Foundry Co.
Springfield Iron Works
Wason Mfg. Co.
WAKEFIELD—Gibby Foundry Co.
WALTHAM—Waltham Foundry Co.
WEBSTER—Prescott J. B. & Son
WOBURN—Woburn Iron Foundry, Inc.
WORCESTER—Arcade Malleable Iron Co.
Bradley Osgood Car Co.
Pond L. W. Machine & Foundry Co.
Washburn Shops

## MICHIGAN.

ADRIAN—Adrian Steel Casting Co.
DETROIT—Acme Fdry. Co. (½ to 8,000 lbs), Isabel & M. C. R. R.
Buhl Malleable Co., Wright & Adair
Central Specialty Co., 1653 St Aubin av
Detlaff A. J. Co., 121 E Lafayette
Detroit Shipbuilding Co., ft. Orleans
**Detroit Stoker Co. (Light & Heavy),** 2642 N Grand blvd
Enterprise Foundry Co., 1127 Warren av E
**Kahl Iron Foundry (Machinery), 537 Atwater E**
Michigan Grey Iron Castings Co., Harbaugh & Co.
**Monarch Foundry Co., Greenwood & G T**
Peninsular Stove Co.
Russel Wheel & Foundry Co., Chene Bl RR
Stuart Foundry Co., 207 Junction
ECORSE—Ecorse Foundry & Machine Co.
FERRYSBURG—Johnston Bros.
GRAND HAVEN—Dake Engine Co. (Any Size up to 10 Tons)
GRAND RAPIDS—Hartman H. J. Fdry. Co.
Leitelt Adolph Iron Works
JACKSON—Lusk Bros. Foundry Co.
KALAMAZOO—Kalamazoo Fdry. & Machine Co., 586 E Main
**Riverside Foundry & Galvanizing Co.** (Galvanized)
LANSING—Bement Stove Repair Co.
Michigan Brass & Iron Works
Novo Engine Co.
MARQUETTE—Lake Shore Engine Works
MUSKEGON—Gray Iron Foundry Co.
Lakey Foundry & Machine Co.
PONTIAC—Wilson Fdry. & Machine Co.
PORT HURON—Moak Machine & Tool Co.
SAGINAW—Bartlett A. F. & Co.
Jackson & Church Co.
ST. JOSEPH—St. Joseph Iron Works
TECUMSEH—Heesen Bros. Co.
WYANDOTTE—Detroit Valve & Fittings and Detroit Brass Co.
YPSILANTI—Michigan Press Co.

## MINNESOTA.

AUSTIN—Austin Foundry Co.
DULUTH—Clyde Iron Works
*See adv index at end of book*
Gogebic Steam Boiler Works
Imperial Iron Works (Up to 17 tons)
National Iron Co.
MINNEAPOLIS—Crown Iron Works Co., 1229 Tyler
Diamond Iron Works, 2d & 18th av N
Minneapolis Steel & Machinery Co. (Heavy), 2854 Minnehaha
Standard Foundry Co., 984 Central Av.
ST. CLOUD—St. Cloud Iron Works Co.

ST. PAUL—**ST. PAUL FOUNDRY CO.**
Como av & Mackubin
*See adv index at end of book*
Valley Iron Works, 81 E Water
ST. PETER—Bornemann Adolph
STILLWATER—Jesse August
VIRGINIA—Virginia Foundry & Machine Co.

## MISSISSIPPI.

LAUREL—Laurel Machine & Foundry Co.

## MISSOURI.

CLINTON—Industrial Iron Works
KANSAS CITY—American Gas Engine Co. (Up to 5 Tons), 11th & Winchester av
American Scale Co. (Small)
Enterprise Foundry Co. (Up to 1 Ton)
Prest Heating & Foundry Co. (Soft, 5,000 lbs.)
Pugh Foundry Co. (Hard), 19 W Levee
Security Stove & Mfg. Co. (Small), 17th & Oakland av
United Iron Works Co., Inc., (¼ to 15,000 lbs.)
ST. JOSEPH—Berry Iron & Steel Co. (Railroad, etc)
ST. LOUIS—American Car & Foundry Co., Syndicate Trust bldg
American Fdry. & Mfg. Co. (Small), 11th & Hebert
Banner Iron Works (Up to 10,000 lbs), Shaw av & Oak Hill Ry
**FULTON IRON WORKS CO.**
*See adv index at end of book*
Green's Car Wheel Mfg. Co., 3000 N B'way
Kilpatrick A. & Sons Foundry Co. (Up to 3,000 lbs), Carrie & Bulwer av
Liberty Foundry Co. (Up to 1,000 lbs), 7600 Vulcan
St. Louis Axle Co. (Up to 3,000 lbs), La Salle W of Jefferson
St. Louis Car Co. (Railway, etc), 8000 N B'way
St. Louis Iron & Machine Works (Up to 20 Tons), 126 Chouteau av
St. Louis Malleable Casting Co., 7701 N Conduit av
South St. Louis Foundry Co. (Up to 12,000 lbs), 7514 S B'way
Southern Wheel Co. (Up to 20,000 lbs), Railway Exch bldg
Spuck Iron & Fdry. Co. (Up to 39,780 lbs), 14th & Branch
United Iron Works Co. (From ¼ to 15,000 lbs), Kansas City, Mo.
Western Foundry & Sash Weight Co., 2d & Miller
SPRINGFIELD—New Phoenix Foundry & Machine Co. (Up to 1 Ton)
United Iron Works Co. (From ¼ to 15.000 lbs)
WEBB CITY—Central Foundry Co.
Webb City & Carterville Foundry & Machine Works

## MONTANA.

BUTTE—Montana Iron Works
Western Iron Works

## NEBRASKA.

BEATRICE—Beatrice Iron Works
OMAHA—Paxton & Vierling Iron Works
YORK—York Foundry & Engine Works

## NEW HAMPSHIRE.

KEENE—Humphrey Machine Co.
LACONIA—Laconia Car Co. Works (of Boston, Mass.)
LANCASTER—Thompson Mfg. Co.
NASHUA—Highton Wm. & Sons Co.
White Mountain Freezer Co. (Light & Heavy to Order)

## NEW JERSEY.

BOUND BROOK—Standard Foundry Co., Inc.
BURLINGTON—U. S. Cast Iron Pipe & Fdry. Co. (Heavy)
CAMDEN—Camden Iron Works (up to 130,000 pounds)
CARTERET—**WHEELER CONDENSER & ENGINEERING CO.**
*See adv index at end of book*
DUNELLEN—Hall Printing Press Co.
EAST NEWARK—Hewitt Jno.
EAST ORANGE—Smith A. P. Mfg. Co.
ELIZABETH—Moore Bros. Co. (High Grade)
Moore, Sam'l L & Sons
ELIZABETHPORT—Brown A. & F. Co.
FLEMINGTON—Foran Foundry & Mfg. Co.
GRENLOCH—Bateman Mfg. Co. (Light, in Quantities)
HARRISON—Reuther Bros.
HOBOKEN—Elevator Supplies Co.
Focht Geo. Sons, 117-119 Adams
IRVINGTON—Atlas Foundry Co., Lyons Av. & Cort
Barnett Foundry & Machine Co.
Bierman-Everett Foundry Co.
JERSEY CITY—Fagan Iron Works, 14th
Snead & Co.
LAMBERTVILLE — Lambertville Iron & Steel Co.
MAHWAH—American Brake Shoe & Fdry. Co. (For Railroad Use)
NEWARK—Hay Foundry & Iron Works, Plum Point la
Hewes & Phillips Iron Works (Heavy), 8 Orange
Maher & Flockhart, Polk
Pfaff & Kendall, 655 Ferry
Sacks Louis (Star Heel Plate Only), Wilson Av
Traud Alexander Co., 5 Main
Universal Caster & Foundry, Bridgeport, Conn.
NEW BRUNSWICK—New Brunswick Iron Works
PATERSON — Eastwood Benj. Co. (All Sizes, ¼ lb to 30,000 lbs)
Paterson Foundry Co.
POTTERSVILLE—Excel. Mfg. Co.
ROCKAWAY—Hoagland's M. Sons Co.
TRENTON—McFarland Foundry & Machine Co.
**THROPP'S JOHN E. SONS CO.** (All Sizes), ft of Lewis
*See adv index at end of book*
Trenton Malleable Iron Co.

## NEW YORK.

ALBANY—Albany Foundry Co.
Gold Coin Stove & Foundry Co.
McKinney Jas & Son
Thacher Propeller & Foundry Corp.
**TOWNSEND FOUNDRY & MACHINE SHOP CO.,** Broadway & Rensselaer
*See adv index at end of book*
AUBURN—McIntosh & Seymour Corp. (Heavy)
BALLSTON SPA—Davidson Namack Fdry Co.
BUFFALO—American Brake Shoe & Fdry Co.
Buffalo Co-operative Stove Co.
**BUFFALO FOUNDRY & MACHINE CO.** (Up to 200 Tons, Semi Steel & Air Furnace), 65 Winchester av
*See adv index at end of book*
Ernest's Chas. F. Sons
**FARRAR & TREFTS, INC.** (Up to 100,000 lbs)
*See adv index at end of book*
Frontier Church & Tool Co., 30 Letchworth
Frontier Iron Works (Light & Heavy Machinery Castings, etc), 36 Letchworth
Ginther's J. Sons Co.
Howard Iron Works
Jewett & Co. (Up to 2000 lbs)
Lawler Iron Works, 44 Gull
North Buffalo Hardware Foundry Co. (Small), 743 Hertel av
Pohlmann John W. Foundry Co., 205 Baltz av
Standard Foundry Co.
Taylor W. P. Co., Ellicott sq (Car & Locomotive Journal Boxes a Specialty)
Trout H. G. Co.
COHOES—**COHOES IRON FOUNDRY & MACHINE CO.**
*See adv index at end of book*
CORNING—Corning Foundry, Inc. (Up to 4 tons)
COXSACKIE—Newbury J. G. Iron Works
ELMIRA—Elmira Foundry Co. (Light & Heavy)
GLENS FALLS—Hopes Combustion Engng. Co. (From 50 lbs up to 1½ tons)
GOSHEN—Newbury Jay H.
GOWANDA—Gowanda Agricultural Works
GREEN ISLAND—Sweet & Doyle Foundry & Machine Co. (Up to 30,000 lbs)
HOOSICK FALLS—Wood Walter A Mowing & Reaping Machine Co.
HORSEHEADS—Weller Hardware & Fdry Co.
HUDSON FALLS — Sandy Hill Iron & Brass Works
KINGSTON—Millard Jas. & Son
LE ROY— Le Roy Plow Co.
LOCKPORT—McKim Foundry & Machine Co.
MALONE—Hinds Thomas Co.
MANLIUS—Cheney S. & Son (Small)
MECHANICSVILLE—Lynd L. E. Mfg. Co.
MEDINA—Swett A L Iron Works, 145 Glenwood av
MIDDLETOWN—Coleman Galen
MONROE—Newbury Mfg. Co. (For Steam Fittings, etc)
MUNNSVILLE—Munnsville Plow Co.
NEWBURGH—Abendroth & Root Mfg. Co.
*See adv index at end of book*
Caldwell-Wilcox Co.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Arwe Carl H. Mfg. Co. (Machinist) 1348-52 De Kalb av

HEAVY IRON CASTINGS
OUR 57 YEARS EXPERIENCE COUPLED WITH MODERN EQUIPMENT ASSURE YOU PROMPT DELIVERY OF GREY IRON CASTINGS. SEMI-STEEL CASTINGS, SINGLE CASTINGS TO 50 TONS.
FARRAR & TREFTS INC.
ENGINEERS, FOUNDERS, MACHINISTS, BOILER MAKERS, TANK BUILDERS, PATTERN MAKERS
BUFFALO, N.Y.

NEW YORK CITY—continued
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut
**Craig Foundry Co. (Specialty Cylinder Castings), 42 Sanford**
Hecla Iron Works, 118 N 11th, New York
**Meyer Otto C. & Co., 30 Franklin av**
Taylor & Co., 680 Morgan av & Norman av

**Boroughs of Manhattan and Bronx.**

NEW YORK—American Brake Shoe & Foundry Co. (Up to Any Weight), 30 Church
American Bridge Co., 30 Church
**American Car & Foundry Co., 165 Broadway**
Brown A. & F. Co., 79 Barclay
Brunswick Marine Construction Corp., 63 Wall
Buckeye Engine Co. (of Salem, O.), 39 Cortlandt
**Central Foundry Co., 90 West**
Crane Wm M. Co., 16 W 32d
Davies & Thomas Co., 120 B'way
**Foran Foundry & Mfg. Co., 122 Liberty, New York**
**GERDES & CO.**, 42 Church
*See adv index at end of book*
Griscom-Russell Co., 92 West
*See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th
*See adv index at end of book*
**LIDGERWOOD MFG. CO., 96 Liberty**
*See adv index at end of book*
Lough Bros., 90 West
Mietz August Corp., 430 E 19th
**Morris Elmer P. Iron Works, 136 Liberty**
Pennell J. F. Inc., 206 B'way
**ROBINS CONVEYING BELT CO.**, 13 Ann *See adv index at end of book*
Salance & Grosjean Mfg. Co., 299 B'way
S. E. T. Valve & Hydrant Co., 56 Church *See adv index at end of book*

**Borough of Queens.**

LONG ISLAND CITY—McGee Jos. Iron & Brass Foundry Co., 51 6th
**Long Island Fdy. Co., Inc., 11th & 12th.**
Russell Foundry & Machine Works, 51 6th
RICHMOND HILL—Richmond Hill Foundry Co. *See adv index at end of book*

**Richmond Hill Foundry Co.**
Small gray iron castings made in quantities on production type of Molding Machine
*Uniformity and Quality Guaranteed*
**Richmond Hill, New York**

**(End of New York City)**

NIAGARA FALLS—Dobbie Foundry & Machine Co.
*See adv index at end of book*
NORTH TONAWANDA — Pierce-Brown Inc. (small castings)
NORWICH — **IRELAND MACHINE & FDRY. CO.**
*See adv index at end of book*
OLEAN—Clark Bros. Co.
OSWEGO—Hessler Foundry & Mfg. Co.
PEEKSKILL—Southard-Robertson Co.
POUGHKEEPSIE—Poughkeepsie Foundry & Machine Co.
ROCHESTER—Enterprise Foundry Co.
General Railway Signal Co. (Light, High Grade)
**Heughes F. L. & Co.**
North West Foundries, Inc.
**SALAMANCA—Salamanca Engine-Iron Co.**
**SARATOGA SPRINGS—Baker Mfg. Corp. (Up to 20 tons)**
SYRACUSE—Dunning W. D.
Dunning & Baschert Press Co., Inc., 379 W Water
*See adv index at end of book*
**Empire Foundry Co.**
**Engelberg Huller Co.**
Globe Malleable Iron & Steel Co., 101 Greenway av
Smith & Caffrey Co.
**Stearns E. C. & Co., 450 Oneida**
**Straight Line Engine Co. (Loam or Green Sand to 20,000 lbs)**
Syracuse Chilled Die & Casting Co.
TONAWANDA—Gillie Machine Co.
TROY—Geier & Bluhm
Hislop James W. (Machinery)
Neemes Bros. (Heavy)
Reynolds Chalou Foundry Co.
Reynolds G. W. H. Foundry Co.
West Side Foundry Co. (Light & Heavy)
UTICA—Munson E. G.
Utica Steam Engine & Boiler Works (Semi-Steel)
WARSAW—Warsaw-Wilkinson Co.
WATERTOWN—Bagley & Sewell Co.
Harmon C. A. & Son
Massey Machine Co.

## NORTH CAROLINA.

DURHAM—Durham Foundry & Machine Works.
GREENSBORO—Glascock Stove & Mfg. Co.
RALEIGH—Raleigh Iron Works Co.
**SANFORD—Moffitt Iron Works Co.**
WAKE FOREST—Wake Forest Foundry Co.
WINSTON-SALEM—Salem Iron Works

## NORTH DAKOTA.

FARGO—Fargo Foundry Co.

## OHIO.

AKRON—**ADAMSON MACHINE CO.**
*See adv index at end of book*
Atlantic Foundry Co.
ALLIANCE—Morgan Engineering Co
*See adv index at end of book*
ASHTABULA—Barber Mfg. Co.
BEREA—Dunham Co. (Up to 2,000 lbs),
BOWLING GREEN—Thornburgh Mfg. Co. (Light & Heavy)
Universal Machine Co. (Up to 6,000 lbs)
BRYAN—Bryan Plow Co.
BUCYRUS—Carroll Foundry & Machine Co.
CANTON—Alliance Foundry Co. (Light & Heavy, up to 15 Tons)
American Sheet & Tin Plate Co. (Up to 20 tons)
Canton Foundry & Machine Co. (Light & Heavy)
Dick Jos. Mfg. Co.
Gilliam Co.
Kelly-Cohen Foundry Co.
**UNITED MACHINE & MFG. CO.**
Widder J. C. Co.
CINCINNATI—Bardes E. H. Range & Foundry Co.
Bollmann-Wilson Foundry Co., 506 E Front
Bruce John J. Foundry Co., 2421 Colerain av
Buckeye Foundry Co., Queen City av & Buck
Elmwood Castings Co., Murray rd
Erhart Chris., 1237 W 6th
Lane & Bodley Co., Tennessee av & Paddock rd
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly
*See adv index at end of book*
**Morris John B. Foundry Co., Court & Harriet**
Mowry Car Wheel Works Co. (For Machinery, etc)
Oberhelman J. A. Foundry Co.
Peerless Foundry Co. (Light), Carthge
Pettis W. W. Co., 416-417 First Nat'l Bank bldg.
*See adv index at end of book*
Queen City Foundry Co. (All Kinds of Castings), Spring Grove av & Alabama
**Schreiber L. & Sons Co., 3869 Ivanhoe**
CLEVELAND—Acme Foundry Co. (Fine, Light & Medium), 5217 Sweeney av S E
Allyne-Ryan Foundry Co., Aetna rd & E 91st
Bowler Foundry Co., 1688 Columbus
Buckeye Engine Co. (of Salem, O.), New England bldg
Chain Products Co., 3924 Copper av
City Foundry Co. (Light & Heavy Up to 50 Tons), 45th & Hamilton av
**Cleveland Punch & Shear Works Co.**, 3921 St. Clair av, N E
Fanner Mfg. Co. (Small)
**Ferro Machine & Foundry Co. (For Automobiles, Trucks & Tractors), E 66th & Hubbard av**
Forest City Foundry & Mfg. Co. (Small), 2202 Elm av
**Fulton Foundry Co. (All Kinds), 1209 Marquette av**
Grabler Mfg. Co. (1 ounce to 100 lbs)
Hill Clutch Co., W 65th
**Interstate Foundry Co., E 61st & Erie R R**
**Johnston & Jennings Co., Addison rd & N. Y. C. R. R.**
*See adv index at end of book*
Kilby Mfg. Co., 4623 Lakeside av
Madison Foundry Co. (Light & Heavy)
**Ohio Foundry Co. (Light & Heavy), E 71st & Stanton**
Palmer & De Mooy Foundry Co. (Light Soft Grey Iron a Specialty), 1658 Leonard N W
Standard Foundry & Mfg. Co. (Light Castings & Hardware Specialties), 2717 E 75th
Superior Foundry Co., 71st & W & L E Ry
Taylor & Boggis Foundry Co. (Light)
**TYLER W. S. & CO. (Light)**
*See adv index at end of book*
Variety Iron & Steel Works Co. (Heavy), Hamilton av & E 40th
Walworth Run Foundry Co. (High Grade), 2488 W 27th
Wellman Bronze Co. (Medium & Heavy), 6017 Superior av
**COLUMBUS—McDonald Foundry**
COSHOCTON—Keagy & Lear Machine Co.
CRESTLINE—Schill Bros. Co.
CUYHAGO FALLS—Atlantic Foundry Co.
DAYTON—Buckeye Iron & Brass Works
Current Wm. & Sons
Davis Sewing Machine Co.
Dayton Malleable Iron Co.
Gem City Store Co., (Light & Medium)
Seybold Machine Co.
Standard Foundry Co.
ELMORE—Multiplex Concrete Machinery Co. (Light & Medium)
ELYRIA—Duplex Mfg. & Fdry. Co.
Elyria Foundry Co. (Up to 40,000 lbs)
Garford Co.
GENEVA—Champion Hardware Co. (Small Light)
HAMILTON—Central Foundry Co. (Machine Molded Pulley Castings, etc)
Deuscher H. P. Co.
Hamilton Foundry & Machine Co.
**HOOVEN, OWENS, RENTCHLER CO.** (Heavy & Machinery)
*See adv index at end of book*
IRONTON—Ironton Punch & Shear Co. (Up to 40,000 lbs, Pneumatic Process)
LEXINGTON—Cureton Wm. & Sons (Up to 15,000 lbs), Richland Co.
LIMA—Chalmers Mfg. Co.
East Iron & Machine Co. (Up to 10,000 lbs), 351 E Market
Lima Brass Foundry
LORAIN—Lorain Casting Co. (Up to 40,000 lbs.)
**MARIETTA—Pattin Bros. Co.**
MARTINS FERRY—Beam Jas. H.
MASSILLON—Griscom-Russell Co.
*See adv index at end of book*
Hess-Snyder Co.
MEDINA—Medina Foundry Co.
MIAMISBURG — Miami Foundry Co. (Light & Medium)
**MINERVA—Minerva Hardware Mfg. Co. (Light)**
MOUNT VERNON—Cooper, C. & G. Co. (Heavy) (Up to 100,000 lbs.)
Mount Vernon Foundry & Engineering Co.
NEWARK—Wehrle Co.
**NEW LEXINGTON—Star Mfg. Co.**
NEW PHILADELPHIA—Ladel Mfg. Co.
**NORWALK—Norwalk Foundry Co.**
**PIQUA—French Oil Mill Machinery Co. (Up to 20,000 lbs.)**
RAVENNA—Williams A. C. Co.
Williams A. C. Co.
**RIPLEY—Ripley Foundry & Machine Co.**
**SANDUSKY—Brown Clutch Co.**
G. & C. Foundry Co.
SEVILLE—Overholt Machine Co.
**SPRINGFIELD—Fairbanks Co.**
**Gray Iron Casting Co.**
**Hennessey Foundry Co.**
TIFFIN—Hanson Clutch & Machy Co.
*See adv index at end of book*
Sterling Grinding Wheel Co.

TOLEDO—Donovan Wire & Iron Co., Chicago & W. & L. E. Ry
Duncan The Co., 508 Water
Ensign Foundry Co.
Etna Machine Co.
Milmine H. B. & Co.
Toledo Foundry & Machine Co.
Toledo Shipbuilding Co.
Toledo Steel Products Co., Summit
WARREN—Trumbull Mfg. Co. (Up to 1,500 lbs.)
WAUSEON—Superior Iron & Mfg. Co. (See Toledo)
WELLSVILLE—Menough Foundry Co. (Light & Heavy)
WESTERVILLE—Hance J. W. Foundry Co.
WILLOUGHBY—American Clay Machinery Co. (Medium & Heavy)
YOUNGSTOWN—Mahoning Foundry Co. (Small)
Youngstown Foundry & Machine Co. (Rolling Mill & Blast Furnace, etc)
ZANESVILLE—Dockray H. V. Brass & Iron Co.
Griffith & Wedge Co.

## OREGON.

PORTLAND—Hesse-Martin Iron Works
Independent Foundry Co.

## PENNSYLVANIA.

ALLENTOWN—Daugherty Foundry Co. (Light)
Kline Hardware Co.
Mosser W. F. & Son
TRAYLOR ENGINEERING & MFG. CO.. *See adv index at end of book*
AVONMORE—National Roll & Foundry Co. (Heavy)
BEAVER FALLS—Knott & Harker Co.
Murphy Foundry Co. (Up to 2 Tons)
BELLEFONTE — Bellefonte Engineering Co.
BIRDSBORO—Birdsboro Steel Foundry & Machine Co. (Grey, Sand & Loam)
BLOOMSBURG—Richard Mfg. Co.
BOYERTOWN—Union Mfg. Co.
BRADFORD—Blaisdell Machinery Co. (1 lb. to 3,000 lbs.)
Caldwell E. R. & Co.
BRISTOL—Harkins T. B. Foundry Co.
Standard Cast Iron Pipe & Foundry Co. (Up to 25 Tons)
BURNHAM—Standard Steel Works Co. (See Phila.)
BUTLER—Butler Engine & Foundry Co.
CATASAUQUA—Davies & Thomas Co. (1 lb. to 5 Tons, Rough & Machined)
CHAMBERSBURG—Chambersburg Engineering Co. (Up to 100 Tons)
COATESVILLE—Coatesville Foundry & Machine Co. (Light & Heavy)
COLUMBIA—U. S. Lock & Hdwe Co.
CONNELLSVILLE—Connellsville Machine & Car Supply Co.
CORRY—Love Mfg. Co.
DANVILLE—Danville Iron & Steel Co. (Up to 40,000 lbs.)
DUBOIS—Dubois Iron Works
Osborn Machine Co.
EAST BANGOR—East Bangor Mfg. Co.
EASTON—Treadwell Engineering Co.
*See adv index at end of book*
ELIZABETHTOWN—Buch's A. Sons Co.
ELWOOD CITY—Standard Engineering Co. (Up to 25 Tons)
EPHRATA—Ephrata Fdry & Machine Works (Up to 1,000 lbs.)
ERIE—Ball Engine Co. (Up to 20 Tons)
Cascade Foundry Co.
Erie Foundry Co.
Odin Stove Mfg. Co.
Urick Foundry Co.
Walker Foundry Co.
FULLERTON—Fuller-Lehigh Co. (Up to 50 Tons, Rough or Machined)
GIRARD—Lake Erie Foundry Co.
GREENSBURG—Hempfield Foundry
GROVE CITY—Bessemer Foundry Co.
HARRISBURG—Harrisburg Foundry & Machine Works
Hickok W. O. Mfg. Co.
HOLLIDAYSBURG — McLanahan - Stone Machine Co.
HYDE PARK—Hyde Park Foundry & Machine Co.
IRWIN—Irwin Foundry & Mine Car Co.
JOHNSTOWN—Globe Iron Foundry Co.
Suppes Forge & Foundry Co.
LANCASTER—Hubley Mfg. Co. (Light Finished in Any Manner)
Lancaster Machine & Structural Wks.
LANSDALE—Central Radiator Co.
Heebner & Sons
Krupp Fdry. Co.
LEBANON—Buchanan Foundry Co.
Hunsicker Engineering Co.
Iron City Foundry Co.
Lebanon Gear & Machine Works, 17th & Forge
Leetsdale Foundry & Mfg. Co.
North Lebanon Foundry Co. (Up to 5 Tons)
LYKENS—Eagle Iron Works
McKEES ROCKS—Taylor-Wilson Mfg. Co.
MARIETTA—National Castings Co.
MARS—Velte Foundry & Machine Co. (For Machinery, Gas Engine, etc)
MEADVILLE—Phoenix Iron Works Co. (Up to 10,000 lbs.)
MIDLAND—Pittsburgh Iron & Steel Foundries Co. (Small Machine Moulded)
MONONGAHELA—Coshocton Iron Co.
MOUNT CARMEL—Mount Carmel Iron Works
MOUNT JOY—Grey Iron Casting Co. (Light & Heavy)
NAZARETH — NAZARETH FOUNDRY & MACHINE CO. (1 to 3 tons, Rough & Machined)
NORTH WALES—North Wales Fdry. Co.
North Wales Machine Co.
OLYPHANT—Olyphant Foundry Co.
PHILADELPHIA—Adams Wm. Fdry. Co., 960 N 9th
Aetna Foundry Co., 22d & Allegheny av
American Engineering Co., Aramingo av & Cumberland
Barker Jas., 6th & Cayuga
Bernstein Mfg. Co., 3d & Allegheny
Clark J. Alfred, 35th & Gray's Ferry rd
Cox & Sons Co., 5th & Chestnut
Creswell Samuel J. Iron Works, 23d, cor Cherry
Diller, Caskey & Keen (Light), 6th & Berks
Fairmount Foundry Co., Duncannon & Clinton
Flagg Stanley G. & Co., Morris bldg.
Girard Iron Works, 22d & Master
Griscom-Russell Co.
*See adv index at end of book*
KUTZTOWN FOUNDRY & MACHINE CO. (5 to 20,000 lbs.), 1421 Chestnut
*See adv index at end of book*
Link-Belt Co., Hunting Park av & P. & R. Ry.
*See adv index at end of book*
Morris I. P. Co. (Up to 50 Tons), Richmond & Norris
North Bros. Mfg. Co., Lehigh av & American
Philadelphia Hardware & Malleable Iron Works (Soft), 9th & Jefferson
Philadelphia Roll & Machine Co., 25th & Wash'n av
Philadelphia Stove & Iron Foundry Co., 1631 N 5th
Schaum & Uhlinger, 2d & Glenwood av
Schneider Bowman Co., Vandike & Frankford
Sheppard Isaac A. Co., Land Title Bldg
Standard Cast Iron Pipe & Foundry Co.
Wood R. D. & Co., 400 Chestnut
PHOENIXVILLE—Madco Foundry & Machine Co.
PITTSBURGH — American Bridge Co., Frick bldg.
Baltimore Car & Foundry Co.
Cyclops Foundry Co. (Up to 15 Tons), Union Bk bldg
Garrison A. Foundry Co., 901 Bingham
Griscom-Russell Co.
*See adv index at end of book*
Mackintosh Hemphill & Co. (Heavy Rolling Mill, etc, Up to 240,000 lbs), ft of 12th
Marshall Foundry Co., 28th & RR
Mesta Machine Co. (Heavy Rolling Mill, etc) Box 1124
*See adv index at end of book*
Penna Casting & Machine Co., 501 Preble
Pittsburgh Lamp, Brass & Glass Co. (1 oz to 50 lbs.), 130 7th
Pittsburgh Piping & Equipment Co., 35th & Charlotte
Pittsburgh Valve, Foundry & Construction Co., 26th & A V RR
Pressed Steel Car Co. (Car, Locomotive & Machinery), 307 5th av, Pittsburgh, Pa.
Reliance Steel Casting Co., 28th & Smallman
Rosedale Foundry & Machine Co., Columbus & Preble
Sterritt-Thomas Foundry Co., 32d & Smallman
United Engineering & Fdry. Co., Keenan bldg
PITTSTON — Exeter Machine Works (Heavy)
POTTSTOWN—Colebrookdale Iron Co. (Japanned & Tinned)
Keystone Foundry Co.
POTTSVILLE—Pottsville Foundry & Stove Co.
PUNXSUTAWNEY—Punxsutawney Foundry & Machine Co.
READING—Dick Bros.
Gray Iron Foundry Co. (Small & Medium Soft)
Penn Foundry & Mfg. Co., Reading Pa.
Textile Machine Works (High Grade)
ROCHESTER—Olive Stove Works
SCRANTON—American Safety Lamp & Mine Supply Co. (Small)
Barker S. G. & Son
Finch Mfg. Co.
McClave-Brooks Co., Poplar
National Marine Works, Inc.
Scranton Pump Co.
SLATINGTON—Slatington Foundry, Machine & Boiler Works (Ltd.)
SOUTH BETHLEHEM—Bethlehem Foundry & Machine Co. (One lb to 10 Tons)
Bethlehem Steel Co.
STROUDSBURG—Marsh E. B. Bro. & Co.
SWISSVALE—Union Switch & Signal Co.
TATAMY—Messinger Mfg. Co.
TYRONE—Burley Heater Co.
WARREN—Barnhart-Davis Co.
WEATHERLY—Weatherly Foundry & Machine Co. (Railroad, etc)
WILKES-BARRE—Vulcan Iron Works
Wilkes-Barre Iron Mfg. Co.
WILLIAMSPORT — National Foundry Mfg. & Supply Co.
Rundio Nelson L.
Valley Iron Works (Loom, Dry & Green Sand & Machine Molded)
WRIGHTSVILLE—Susquehanna Casting Co. (Light)
Wrightsville Hardware Co. (Small)
YORK—Eyster, Weiser Co.

## RHODE ISLAND.

HILLS' GROVE—Rhode Island Malleable Iron Works
PAWTUCKET—White J. S. Co. (Machinery)
PROVIDENCE—Brown & Sharpe Mfg. Co.
Builders' Iron Foundry ("Globe Specials," Heavy, for Water Works, Pipe Fittings, etc), 9 Codding
Colvin Foundry Co. (All Kinds), 185 Globe
Franklin Machine Co. (1 oz to 6 ton), 1 Park *See adv index at end of book*
Fuller Iron Works (Machinery, etc), 40 Tockwotton
RIVER POINT—Brayton L. Foundry Co.

## SOUTH CAROLINA.

CHARLESTON—Charleston Dry Dock & Machine Co.
Charleston Iron Works
Riley John F.
GREENVILLE—Greenville Iron Works

## TENNESSEE.

CHATTANOOGA — Acheson Foundry & Machine Wks.
American Brake Shoe & Fdry Co.
Columbian Iron Works (Municipal)
Eureka Foundry Co. (Up to 15,000 lbs)
Gustafson Mfg. Co. (Up to 10,000 lbs)
Jones Machine & Foundry Co.
Lookout Boiler Mfg. Co. (Up to 4,000 lbs)
Lucey Foundry & Machine Co.
Price-Evans Foundry Co.
Ross-Meehan Foundries Co. (Up to 50,000 lbs Railroad)
Southern Skein & Foundry Co.
CLARKSVILLE—Clarksville Foundry & Machine Works
JACKSON—Southern Engine & Boiler Mfg. Co. (Up to 20,000 lbs)

TENNESSEE—continued
**KNOXVILLE—Fair Foundry Co. (Up to 4,000 lbs)**
Knoxville Foundry & Machine Co.
Southern Pipe & Foundry Co. (Small)
LEWISBURG—Lewisburg Foundry Co.
MEMPHIS—Chickasaw Machine & Foundry Co.
**NASHVILLE—Cumberland Foundry & Mfg. Co. (Up to 10,000 lbs)**
Southern Foundry Co. (Small)

### TEXAS.

DALLAS—Mosher Mfg. Co.
**EL PASO—El Paso Foundry & Machine Co.**
HOUSTON—Dickson Car Wheel Co.
Houston Car Wheel & Machine Co. (Light & Heavy)

### VERMONT.

BRANDON—Backus Corp.
**FAIR HAVEN—Fair Haven Foundry & Machine Co.**
POULTNEY—Gray Foundry, Inc.
RUTLAND—Davis Chas E. Fdry Co. (From I ounce to 1 ton)

### VIRGINIA.

BRISTOL—Iron City Stove & Fdry Co.
**CLIFTON FORGE—Clifton Forge Machine & Foundry Co.**
COVINGTON—Covington Machine Co.
DANVILLE—Westbrook Elevator Mfg. Co.
**LYNCHBURG—Glamorgan Pipe & Foundry Co.**
Hubard Foundry & Machine Works
**Lynchburg Foundry Co. (Medium & Heavy)**
NORFOLK — Eagle Iron Works (Up to 6,000 lbs)
PETERSBURG—Appomattox Iron Works & Supply Co.
RICHMOND—Cameron Stove Co.
Carr Jas. W., 7 N 25th
**Richmond Foundry & Mfg. Co. (Plumbing Specialties), Hermitage rd.**
**Richmond Structural Steel Co. (Up to 30,00 lbs), 18th & Dock**
**Strickland Machine Co., 2330 E Main**
ROANOKE—Roanoke Iron & Bridge Works, Inc.
Roanoke Iron Works (Up to 10,000 lbs)

### WASHINGTON.

EVERETT—Nordeen Foundry Co.
**SEATTLE—Olympic Foundry Co. (Light & Heavy)**
Seattle-Astoria Iron Works
**Variety Iron Works (Light & Heavy)**
SPOKANE—Success Seed Grader Co.
Northwest Harvester Co.
TACOMA—Atlas Foundry & Machine Co., 30 & Wilkinson
Union Iron Works

### WEST VIRGINIA.

CHARLESTON—Kanawha Mfg. Co.
South Side Foundry & Machine Works
**FAIRMONT—Fairmont Mining Machinery Co. (Soft Castings)**
**MORGANTOWN—Chrisman Foundry Co.**
*See adv index at end of book*
Wheeling Steel & Iron Co. (For own use only)
**WHEELING—Centre Foundry & Machine Co.**
Moss J. E. Iron Works
Wheeling Mold & Foundry Co.
**Whitaker—Glessner Co. (For Own Use)**

### WISCONSIN.

ALGOMA—Wodsedalak Jos.
APPLETON—Valley Iron Works Co.
**CEDAR GROVE—Wisconsin Foundry & Steel Works**
CUDAHY—Worthington Pump & Machinery Co. *See adv index at end of book*
GRAFTON—Grafton Foundry Co. (Light & Heavy)
GREEN BAY—Rothe Jos. F. Foundry Co.
LA CROSSE—Smith Mfg. Co.
MANITOWOC—Manitowoc Fdry. & Machine Co.
MILWAUKEE—Chain Belt Co.
Martin A. E. Foundry & Machine Co. (½ lb to 5 Tons), 705 Park
**Milwaukee Malleable & Grey Iron Works, Layton Park**
Nordberg Mfg. Co. (Heavy), Chicago & Oklahoma av
Nortmann-Duffke Foundry Co., 27th av
Schwab R. J. & Sons Co., 283 Clinton
Smith T. L. ("Smith"), 1151 32nd
**VILTER MFG. CO.,** 1046 Clinton
*See adv index at end of book*
NEENAH—Aylward Sons Co.
OSHKOSH—Challoner Co.
Universal Foundry Co.
RACINE—American Skein & Foundry Co.
Belle City Mfg. Co.
Holbrook Armstrong Iron Co. (Light & Heavy)
Racine Brass & Iron Co.
Simms Foundry Co.
SCHLEISINGERVILLE—La Point Foundry Co.
SHEBOYGAN — Jenkins Machine Co. (Light & Heavy)
SOUTH MILWAUKEE—Stowell Co, The
SUPERIOR—Duplex Mfg. Co.
TOMAHAWK—Tomahawk Steel & Iron Works
WAUKESHA—Spring City Foundry Co.
WEST ALLIS—West Allis Foundry Co.
WEST BEND—Gehi Bros. Mfg. Co. (Up to 2000 lbs.)

## 2170— Castings (Gun Metal)

Ajax Metal Co., 46 Richmond, Phila., Pa.
Arcade Malleable Iron Co. (Gun Iron). Worcester, Mass.
**Atlas Brass Works, 431 Folsom, San Francisco, Cal.**
Belcher Malleable Iron Co., Easton, Mass.
**BUFFALO FOUNDRY & MACHINE CO.** ("Buflokast" Gun Iron), 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Builders' Iron Foundry (Iron), 9 Codding, Providence, R. I.
Crown Smelting Co., Chester, Pa.
Damascus Bronze Co. ("Damscus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Erie Bronze Co., 353 W 19th, Erie, Pa.
*See adv index at end of book*
Eureka Co., North East, Pa.
Fewlass-Leen Brass & Iron Co., 610 E Front, Cincinnati, O.
Grote F. Mfg. Co., Evansville, Ind.
Hunt-Spiller Mfg. Corpn. ("Hunt-Spiller" Gun Iron), 383 Dorchester av, Boston, Mass.
Light Mfg. & Foundry Co., Pottstown, Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Moran Flexible Steam Joint Co., Louisville, Ky.
**MORE-JONES BRASS & METAL CO.,** Broadway & Dock, St. Louis, Mo.
*See adv index at end of book*
Poole Engineering & Machine Co., Wood-Berry Station, Baltimore, Md.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Bridghtwood Brass Foundry, Springfield, Mass.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Taylor-Wilson Mfg. Co. (Gun Iron), McKees Rocks, Pa.
Titanium Bronze Co., Inc., Niagara Falls, N. Y.
Walworth Mfg. Co., 142 High, Boston, Mass.
Williams E. A. Son, 109 Plymouth, Jersey City, N. J.

## Castings (Hatfield Steel)

See firms in Castings, Steel, with the word Hatfield following their names

## 2170a—Castings (Heat Resisting)

Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
Duriron Casting Co., 90 West, New York
Elyria Enameled Products Co., Elyria, O.
Lehigh Foundry Co., Fullerton, Pa.
Love Bros., Inc., Aurora, Ill.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio

## 2170b— Castings (Iron)

Bosworth-Ard Machine & Foundry Co. (Hard Iron), Anniston, Ala.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Frontier Chuck & Tool Co., 30 Letchworth, Buffalo, N. Y.
**Fuller-Lehigh Co., Fullerton, Pa.**
*See adv index at end of book*
Keystone Iron Wks., 37th & Santa Fe av, Los Angeles, Cal.
Lawrence Foundry Co., Grove City, Pa.
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, Ohio.
*See adv index at end of book*
**Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.**
Simon & Mills, Inc., 25 Leonard, New York


# Chrisman Foundry Company

MORGANTOWN, W. VA.

## Grey Iron Castings

ROUGH AND MACHINED

SPECIALIZING ON

OIL PRODUCTION CASTINGS AND ENGINE CASTINGS

CAPACITY 1000 TONS PER MONTH

Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*

**IRON CASTINGS**
*WE SPECIALIZE ON:*
ROLLING MILL,
HEAVY MACHINERY,
SUGAR MACHINERY,
CHEMICAL CASTINGS.
**Treadwell Engineering Co.**
EASTON, PENNA.

**TRAYLOR ENGINEERING & MFG. CO.,** Allentown, Pa.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 2170c—Castings (Iron Special)

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## 2170d— *Castings (Lathe)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, Ohio
*See adv index at end of book*

## 2171— Castings (Lead)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Tool & Machine Co., 10 High, Boston, Mass.
Atlas Brass Works, 612 Bryant st, San Francisco, Cal.
**Brown Bros., Stamford, Conn.**
*See adv index at end of book*
Craig Foundry Co., 42 Sanford, Brooklyn, N. Y. *See adv index at end of book*
**DIAMOND EXPANSION BOLT CO.,** 89 West, New York
*See adv index at end of book*
**DIE CASTING CO. OF OHIO (THE),** Toledo, Ohio.
*See adv index at end of book*
Erie Bronze Co., 353 W 19th, Erie, Pa.
*See adv index at end of book*
Liberty Brass Works, 305 W Lombard, Baltimore, Md.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
**MOORE-JONES BRASS & METAL CO.,** B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Neenah Brass Works, Neenah, Wis.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
United Lead Co., 111 B'way, New York
U. S. Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*
Wells Chemical Bronze Works, Worcester, Mass.

## 2171a—Castings (Locomotive)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Chicago Bearing Metal Co. (Brass), 2220 W 43rd, Chicago, Ill.
Edgewater Steel Co., Edgewater Station & A. V. R. R., Pittsburgh, Pa.
Janney & Company (Iron), Montgomery, Ala. *See adv index at end of book*
Locomotive Finished Material Co. (Rough & Finished), Atchison, Kans.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, O.
*See adv index at end of book*
Union Spring & Mfg. Co., 1211 Fulton bldg., Pittsburgh, Pa.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.

## 2172—*Castings (Lumen Bearing)

**LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.**
*See adv index at end of book*

## 2173— Castings (Machinery)

See also Castings, Various Kinds

Austin Welding Works, 555 Quincy, Chicago, Ill.
Barnum S. H. (medium & heavy), New Haven, Conn.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Cummings T. A. Foundry Co., 1338 Cortland, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
*See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**GERDES & CO.,** 42 Church, New York
*See adv index at end of book*
Green's Car Wheel Mfg. Co., 3000 N B'way, St. Louis, Mo.
**GRISCOM-RUSSELL CO.,** Massillon, O.
*See adv index at end of book*
Hunt-Spiller Mfg. Corp. (Air Furnace, Gum Iron), 383 Dorchester av, Boston, Mass.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Lone Bros., Inc., Aurora, Ill.
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
**PETTIS W. W. CO.,** 416-417 First Natl. Bank bldg., Cincinnati, Ohio
*See adv index at end of book*
Sivyer Steel Casting Co., Milwaukee, Wis.
Swett A. L. Iron Works, 145 Glenwood av, Medina, N. Y.
**THROPP'S JNO. E. SONS CO.,** ft of Lewis, Trenton, N. J.
*See adv index at end of book*
**Traylor Engng. & Mfg. Co., Allentown, Pa.**
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

## 2174—Castings (Malleable Iron)

### CALIFORNIA.

LOS ANGELES—Western Malleable Casting Co., Boyle & Slowson avs
REDDING—Northern California Engineering Works

### CONNECTICUT.

BRANFORD—Hammer & Co. (Hardware Specialties, etc)
Malleable Iron Fittings Co. (Air Furnace Refined)
BRIDGEPORT — Bridgeport Malleable Iron Works. Branch of Eastern Malleable Iron Co.
Crane Co.
MIDDLETOWN—Wilcox, Crittenden & Co., Inc. (Small, to Order)
*See adv index at end of book*
MOUNT CARMEL—Woodruff Walter W. & Son Co. (Carriage & Miscellaneous)
NAUGATUCK—Eastern Malleable Iron Co. (All Kinds)
NEW BRITAIN—Malleable Iron Works
North & Judd Mfg. Co. (Castings to Order)
Vulcan Iron Works, br of Eastern Malleable Iron Co. (All Kinds)
NEW HAVEN—Fitch W. & E. T. Co.
North O. B. & Co.
TERRYVILLE—Terry Andrew Co. (Keys, Hinges & Small)

### DELAWARE.

WILMINGTON—Malleable Iron Works of Eastern Malleable Iron Co.

### ILLINOIS.

BRADLEY—Bradley David Machine Works
CANTON—Parlin & Orendorff Co.
CHICAGO—Chicago Malleable Castings Co. (Refined Castings), 120th & Racine av
Illinois Malleable Iron Co. (Pipe, Fittings & General), 1801 Diversey blvd
National Malleable Castings Co. (Railroad, etc), 2610 W 25th pl.( See Cleveland, O.)
Pratt Wm. E. Mfg. Co., 35 W Lake
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway
Western Steel Car & Fdry. Co. (Castings), Peoples Gas bldg
Wolff Mfg. Co., 255 N. Hoyne av
DANVILLE—Danville Malleable Iron Co.
DECATUR—Decatur Malleable Iron Co.
EAST MOLINE—Union Malleable Iron Co.
EAST ST. LOUIS—Missouri Malleable Iron Co. (Railroad, Stove, Range, etc)
National Malleable Castings Co.
FRANKLIN PARK—Franklin Park Fdry. Co.
GALESBURG—Galesburg Malleable Castings Co. (Light & Medium)
JOLIET—Pratt Wm. E. Mfg. Co.
MADISON—American Car & Foundry Co.
MELROSE PARK — National Malleable Castings Co. (See Cleveland, O.)
MOLINE—Cooper H. W. Saddlery Hdw. Mfg. Co.
ROCKFORD — Rockford Malleable Iron Works (Machinery & General)
ST. CHARLES—Faultless Iron Works
Moline Malleable Iron Co. (All Kinds)

### INDIANA.

HAMMOND — Hammond Malleable Iron Co.
INDIANAPOLIS—Link-Belt Co. Belmont Foundry
*See adv index at end of book*
National Malleable Castings Co. (Railroad, etc). (See Cleveland, O.)
MARION—Marion Malleable Iron Works
MICHIGAN CITY—Haskell & Barker Car Co. (Car & R R Castings)
MUNCIE—Machsts. Foundry Co.
Muncie Malleable Castings Co. (Agricultural, Railroad, etc.)
RICHMOND—Richmond Malleable Castings Co.
SOUTH BEND—South Bend Chilled Plow Co.
TERRE HAUTE—Inland Malleable Iron & Steel Co.
Terre Haute Malleable & Mfg. Co.

### IOWA.

FAIRFIELD—Iowa Malleable Iron Co.

### MARYLAND.

BALTIMORE—Baltimore Malleable Iron & Steel Casting Co., So Charles & Wells
Symington T. H. Co., Md. Trust bldg.

### MASSACHUSETTS.

BOSTON—Laconia Car Co. (For Electrical Work), 60 Congress
Livermore Homer F. Inc., 85 Pearl
EASTON—Belcher Malleable Iron Co. (Machinery, Agricultural, etc)
WORCESTER—Arcade Malleable Iron Co. (Castings of Every Description)

### MICHIGAN.

ALBION—Albion Malleable Iron Co. (Agricultural, Carriages, etc)
BENTON HARBOR—Benton Harbor Malleable Foundry Co.
DETROIT—Buhl Malleable Co., Wight & Adair
Detlaff A. J. Co., 121 E Lafayette
Michigan Malleable Iron Co. (Car, Agricultural, etc), Delray
GRAND RAPIDS—Grand Rapids Malleable Works
KALAMAZOO—Kalamazoo Malleable Iron Co.
MUSKEGON—Standard Malleable Iron Co.
WYANDOTTE—Detroit Valve & Fittings and Detroit Brass Wks.

### MINNESOTA.

ST. PAUL—Northern Malleable Iron Co. (Agricultural Implement & Railroad), Wells & Forest

### MISSOURI.

ST. LOUIS—American Car & Foundry Co., Syndicate Trust bldg. Works. St. Charles

MISSOURI—St. Louis—continued
St. Louis Car Co. (Car & R. R.), 8000 N B'way
St. Louis Malleable Casting Co., 7701 N Conduit av

### NEW HAMPSHIRE.

LACONIA—Laconia Car Co. (For Electrical Work
NASHUA—Highton Wm. & Sons Co.

### NEW JERSEY.

BURLINGTON—Devlin Thos. Mfg. Co. (See Phila., Pa.)
NEWARK—Meeker Foundry Co. (All Kinds), 95 Clay
TRENTON—Trenton Malleable Iron Co. (All Kinds)

### NEW YORK.

ALBANY—Albany Malleable Iron Co.
BATAVIA—Massey-Harris Harvester Co.
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Acme Steel & Malleable Iron Works, 245 Military rd
Jewell Steel & Malleable Co.
Pratt & Letchworth Co. (Small & Large)
DEPEW—Gould Coupler Co.
HOOSICK FALLS—Wood Walter A., Mowing & Reaping Machine Co. (For Own Consumption)
LANCASTER—American Malleables Co.
LOCKPORT—Lockport Foundries Corp.

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN — Columbia Machine Works & Malleable Iron Co., Atlantic & Chestnut

#### Boroughs of Manhattan and Bronx.

NEW YORK—American Car & Foundry Co., 165 Broadway
American Malleables Co., 30 Church. (Works: Bloomfield, N. J.)
Gould Coupler Co., 30 E 42nd
Johnson Isaac G. & Co. (All Kinds), Spuyten Duyvil
Lough Bros., 90 West
U. S. Castings Co. (Selling Agent), 25 Elm
**(End of New York City)**
ORISKANY—Oriskany Malleable Iron Co. (Ltd.) (All Kinds, Light, Medium & Heavy)
ROCHESTER—Symington T. H. Co.
SYRACUSE—Frazer & Jones Co. (Saddlery, Agricultural & General)
Globe Malleable Iron & Steel Co. (Specialty, Automobile Castings), 101 Greenway av
Smith Wheel, Inc.
Syracuse Malleable Iron Works (Automobile, Railway, Agricultural, Air Furnace, etc)
TROY—Troy Malleable Iron Works of Eastern Malleable Iron Co. (Castings for All Purposes, Specialties R R & Electric Motor Truck Castings)
WESTMORELAND — Westmoreland Malleable Iron Co. (Ltd.) (Agricultural, Carriage, Saddlery & General)

### OHIO.

BARBERTON—Pittsburgh Valve & Fittings Co.
CANTON — Canton Malleable Iron Co. (General Castings)
Elbel Co. (Saddlery Hardware & Castings)
Gilliam Co.
CINCINNATI—Haven Malleable Castings Co. (Carriage Hardware & Custom)
Pettis W. W. Co., 416-417 First Natl. Bank bldg.
*See adv index at end of book*
CLEVELAND — Chisholm Moore Mfg. Co. (Light & General, Smooth & Well Annealed Castings), 5046 Lakeside
Eberhard Mfg. Co. (Saddlery Only), C. & P. Ry & Tennyson rd.
Fanner Mfg. Co. (Small)
Grabler Mfg. Co. (Small)
Harsch John Bronze & Foundry Co., Madison av
National Malleable Castings Co. (R R, etc), 7706 Platt av S E
COLUMBUS—Columbus Malleable Iron Co.
Ohio Malleable Iron Co. (All Kinds), 961 N Fourth
DAYTON—Dayton Malleable Iron Co. (For Railroad & Car Builders & Agricultural Implements, etc)
MARION—American Malleable Casting Co.
SPRINGFIELD—American Seeding Machine Co. (Agricultural Implements Only)
International Harvester Co. (Champion Works)
Springfield Malleable Iron Co. (Small & Railroad Castings)
TOLEDO—Maumee Malleable Castings Co. (Railroads, etc.)
National Malleable Castings Co. (Railroad, etc.) (See Cleveland, O.)
United States Malleable Iron Co. (Automobile, Carriage, R R & Implement)
WARREN—General Malleable Co.
Trumbull Mfg. Co.
WAUSEON—Superior Iron & Mfg. Co. (See Toledo, O.)
YOUNGSTOWN—Youngstown Furnace Co.
ZANESVILLE—Zanesville Malleable Co.

### PENNSYLVANIA.

BURNHAM—Standard Steel Works Co. (See Phila.)
CHAMBERSBURG—Chambersburg Foundry & Machine Co.
EASTON—Kuebler Foundries
ERIE—Erie Malleable Iron Co. (All Kinds)
Jarecki Mfg. Co. (Fittings, etc)
GREENBURG—Kelly & Jones Co.
LANCASTER—Lancaster Foundry Co.
McKEES ROCKS—Fort Pitt Malleable Iron Co.
Pressed Steel Car Co. (See Pittsburgh, Pa.)
MEADVILLE—Meadville Malleable Iron Co. (Refined Air Furnace Iron)
OIL CITY—Oil Well Supply Co.
PHILADELPHIA—Devlin Thos. Mfg. Co. (Carriage, Saddlery, Agricultural, Pipe Fittings, etc), 3d & Lehigh av
Flagg Stanley G. & Co., Morris bldg. Works: Pottstown
Janney, Steinmetz & Co., 1421 Chestnut
Philadelphia Hardware & Malleable Iron Works (Light), 9th & Jefferson
Standard Steel Works Co., Morris bldg. Works: Burnham
Temple Malleable Iron & Steel Co., Harrison bldg. Works: Temple, Pa.
PITTSBURGH—Fort Pitt Malleable Iron Co., Thompson & Crawford
Pittsburgh Malleable Iron Co., 34th & Smallman, Pittsburgh, Pa.
Pressed Steel Car Co. (Car & Locomotive), 307 5th av
SHARON—National Malleable Castings Co. (Railroad, etc) (See Cleveland, O.)
STOWE—Flagg Stanley G. & Co. (See Phila., Pa.)
TEMPLE—Temple Malleable Iron & Steel Co. (Office: Phila., Pa.)

### RHODE ISLAND.

HILLS GROVE—Rhode Island Malleable Iron Works (All Kinds)

### TENNESSEE.

CHATTANOOGA—Ross-Meehan Foundries (Railroad)

### VIRGINIA.

BASIC—Penn Foundry & Mfg. Co.

### WASHINGTON.

TACOMA—Atlas Foundry & Machine Co., 30th & Wilkinson

### WEST VIRGINIA.

POINT PLEASANT—West Virginia Malleable Iron Co.

### WISCONSIN.

BEAVER DAM—Western Malleables Co.
MILWAUKEE—Chain Belt Co.
Milwaukee Hay Tool Co., Layton Park
Milwaukee Malleable & Grey Iron Works, Layton Park
Northwestern Malleable Iron Co. (Agricultural, Car, etc), 756 Park
South Side Malleable Casting Co., 14th av & Ry Tracks
Wisconsin Malleable Iron Co. (Refined Air Furnace), South Bay
RACINE—Belle City Malleable Iron Co
Lakeside Malleable Castings Co. (Agricultural, R. R., etc)
Racine Malleable & Wrought Iron Co. (Wrought Carriage & Saddlery Hardware & Casting, etc.)
SOUTH MILWAUKEE—Badger Malleable & Mfg. Co. (For All Purposes)
Stowell Co. The (Castings for All Purposes)
WAUKESHA—Waukesha Malleable Iron Co. (Farm Implements, Logging Tools, etc.)
TACOMA—Atlas Foundry & Machine Co., 30 & Wilkinson
WEST ALLIS—Federal Malleable Co. (Refined)

## 2175—Castings (Manganese Bronze)

Ajax Metal Co., 46 Richmond, Phila., Pa.
Allis-Chalmers Mfg Co., Milwaukee, Wis.
**AMERICAN MANGANESE BRONZE CO.** ("Spare's," "Hy-Ten-Sl"), 3501 Rhawn, Phila., Pa.
Atkinson Co. (1,000 to 3,000 lbs.), Rochester, N. Y.
Blake Edwin J., Hartford, Conn.
Brightwood Brass Foundry, Springfield, Mass.
Brown Bros., Stamford, Conn.
*See adv index at end of book*
City Brass Foundry Co., 5318 St. Clair av, Cleveland, O.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Columbian Bronze Corp, 522 5th av, New York
Cramp William & Sons Ship & Engine Building Co. (Parsons), Beach & Ball, Phila., Pa.
Crown Smelting Co., Chester, Pa.
Davenport Locomotive Wks., Davenport, Ia.
Erie Bronze Co., 353 W 19th, Erie, Pa.
Erie Specialty Co., 520 W 12th, Erie, Pa.
*See adv index at end of book*
Eynon-Evans Mfg. Co., N 15th & Clearfield, Phila., Pa.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Gilbert A & Sons Brass Fdry Co., 4019 Forest Park blvd, St. Louis, Mo.
Highton Wm. & Sons Co. ("Parsons"), Nashua, N. H.
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
**KEYSTONE BRONZE CO.** (Highgrade), 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*
Kokomo Brass Works, Kokomo, Ind.
Levett Walker M. Co., 417 E 23rd, New York
Light Mfg. & Foundry Co. ("Automobile"), Pottstown, Pa.
**LUMEN BEARING CO.**, 200 Lathrop, Buffalo, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO., Executive Offices** & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McGee Jos. Iron & Brass Fdry. Co., 51 6th, Long Island City, N. Y.
Magnus Metal Co., 111 B'way, New York
Marion Machine, Foundry & Supply Co., Marion, Ind.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
*See adv index at end of book*
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
Morris I. P. Co., cor. Richmond & Norris, Phila., Pa.
National Bronze & Aluminum Fdry. Co., 2539 E 79th, Cleveland, O.
New London Marine & Iron Works, New London, Conn.

forth American Smelting Co., 9th & Thompson, Phila., Pa.
berdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
arsons Co., Newton, Ia.
ioneer Brass Works, Indianapolis, Ind.
eeves Paul S. & Co., 1415 Catherine, Phila., Pa.
ock Island Metal Foundry ("Parson's"), 505 41st, Rock Island, Ill.
yder Brass Foundry Co., Bucyrus, O.
herwood Brass Works, 1167 Jeff E, Detroit, Mich.
nion Iron Works Co., 20th & Michigan, San Francisco, Cal.
anadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Villiams E. A. & Son, 109 Plymouth, Jersey City, N. J.

## 2176—Castings (Manganese Steel)

merican Manganese Steel Co. ("Amsco" Brand), 332 S Michigan av, Chicago, Ill.
merican Steel Foundries, McCormick bldg, Chicago, Ill.
onney-Floyd Co., Columbus, O.
rylgon Steel Casting Co. (High Manganese or other Special Grades), New Castle, Del.
hicago Steel Foundry Co., 3701 S Kedzie av, Chicago, Ill.
olumbia Steel Co., 503 Market, San Francisco, Cal.
rucible Steel Casting Co., Landsdowne, Pa.
nterprise Foundry Co., 20 Stewart, San Francisco, Cal.
rog Switch & Mfg. Co. ("Indian Brand"), Carlisle, Pa.
ess Steel Corp'n, Lowney's La. & Biddle, Baltimore, Md.
arsons Co., Newton, Ia.
ogers C. E., 34 Beach, Boston, Mass.
mith G. H. Steel Casting Co., 500 Clinton, Milwaukee, Wis.
t. Louis Steel Foundry, Hamburger & Kienlen av, St. Louis, Mo.
aylor-Wharton Iron & Steel Co., High Bridge, N. J.
nion Spring & Mfg. Co. (Tropenas Converter), 1211 Fulton bldg, Pittsburgh, Pa. *See adv index at end of book*
Warren Steel Casting Co., 3400 Mawry, St. Louis, Mo.

## 2177— Castings (Marine)

Atlas Steel Casting Co. (Steel), Buffalo, N. Y.
Broadfoot Iron Works, Wilmington, N. C.
**BOSWORTH-ARD MACHINE & FOUNDRY CO.,** Anniston, Ala.
Brown Bros., Stamford, Conn.
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Capitol Brass Works, 596 Franklin, Detroit, Mich.
Columbian Bronze Corp., 522 5th av, New York
Cramp Wm. & Sons Ship & Engine Building Co., Beach & Ball, Phila, Pa.
Crown Smelting Co. (Brass), Chester, Pa.
Cureton Wm. & Sons, Lexington, Richland Co., O.
Eastwood Wire Mfg. Co., (Brass, Bronze, etc.), Belleville, N. J.
Erie Bronze Co., 353 W 19th, Erie, Pa.
*See adv index at end of book*
Frontier Iron Works, 36 Letchworth, Buffalo, N. Y.
Great Lakes Engineering Works, Real Estate Exch. bldg., Detroit, Mich.
Harsh John Bronze & Foundry Co., Madison av, Cleveland, Ohio
Ironton Punch & Shear Co. (River Only), Ironton, O.
*See adv index at end of book*
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
Minneapolis Elec. Steel Castings Co., 38th av N E & 5th, Minneapolis, Minn.
Montague Iron Wks., 189 W Madison, Chicago, Ill.
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
**PENN SEABOARD STEEL CORP.,** Franklin Bank bldg, Phila., Pa.
***See adv index at end of book***
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Stern Foundry & Machinery Co., 1630 Annunciation, New Orleans, La.
Strong Steel Foundry Co. (Steel), Buffalo, N. Y.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Titanium Bronze Co., Inc., Niagara Falls, N. Y.
Traylor Engineering & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Vanadium Metals Co., Vanadium bldg., Pittsburgh, Pa.

## 2178— *Castings (Mining)

**BUFFALO FOUNDRY & MACHINE CO.** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, Ohio
*See adv index at end of book*

## 2179—Castings (Monel Metal)

Jefferson Brass Foundry, 209 King, B'klyn, N. Y.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Monel Metal Products Corp., Bayonne, N. J.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
**WILLIAMS & CO. INC.,** 901-937 Pennsylvania av N S, Pittsburgh, Pa.
*See adv index at end of book*

WILLIAMS & CO. INC.
PITTSBURGH, PA.

## 2179a— Castings (Nickel)

See also following headings
Scovill Mfg. Co. (Nickel Steel), Waterbury, Conn. *See adv index at end of book*
Monel Metal Products Corp., Bayonne, N. J.
**WILLIAMS & CO. INC.** (We can furnish Nickel Castings in weights from 1 to 20,000 lbs. A High Grade American Product. Prompt Delivery), 901-937 Pensylvania av N S, Pittsburgh, Pa.
*See adv index at end of book*

WILLIAMS & CO. INC.
PITTSBURGH, PA.

## 2180—Castings (Nickel Bronze)

Brown Bros., Stamford, Conn.
*See adv index at end of book*
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.

## 2180a—Castings (Nickel Silver)

Brown Bros., Stamford, Conn.
*See adv index at end of book*
Graham Jas. & Co., New Haven, Conn.
Ideal-Die Casting Co., 756 Eddy, Providence, R. I.
Ives H. B. Co., New Haven, Conn.
Jenkins Mfg. Co., Bloomfield, N. J.
Owren Casting Co., Attleboro, Mass.
Rock Island Metal Foundry, 505 41st, Rock Island, Ill.
Trefethen D. A., Taunton, Mass.

## 2181—Castings (Nickel Steel)

American Steel Foundries, McCormick bldg, Chicago, Ill.
Bayonne Casting Co. (Nickel Only), Bayonne, N. J.
Bethlehem Steel Co., South Bethlehem, Pa.
Chicago Steel Foundry Co. (Non Corrosive), 3701 S Kedzie av, Chicago, Ill.
Columbia Steel Co., 503 Market, San Francisco, Cal.
Crucible Steel Casting Co., Landsdowne, Pa.
Malleable Iron Fittings Co., Branford, Conn.
**MESTA MACHINE CO.,** Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Millbury Steel Foundry Co., Millbury, Mass.
Minneapolis Elec. Steel Castings Co., 38th av N E & 5th, Minneapolis, Minn.
Sivyer Steel Casting Co., Milwaukee, Wis.
Union Spring Mfg. Co., 1211 Fulton bldg., Pitsburgh, Pa.
*See adv index at end of book*
Warren Steel Casting Co., 3400 Mawry, St. Louis, Mo.

## 2181a—*Castings (" Nocoloy " High Nickel Non-Corrosive Alloy)

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

## 2182—Castings (Non-Corrosive Metal)

American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Duriron Castings Co. ("Duriron"), Dayton, O.
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

## 2182a—Castings (Non-Ferrous)

Capital Brass Fdry., Salt Lake City, Utah.
**DRIVER-HARRIS CO.,** Harrison, N. J.
*See adv index at end of book*
Hills McCanna Co., 2025 Elston av, Chicago, Ill.
San Diego Machine Co., San Diego, Cal.

## Castings (Open-Hearth Steel)

See firms in Castings, Steel, with the words Open-Hearth following their names

## 2183— Castings (Ordnance)

American & British Mfg. Co., Charles, Providence, R. I.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
**PENN SEABOARD STEEL CORP.,** Franklin Bk. bldg, Phila., Pa.
*See adv index at end of book*
Spuck Iron & Fdry. Co., 14th & Branch, St. Louis, Mo.
Traylor Engineering & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

## Castings (Ornamental Iron)

See Firms in Iron, Architectural & Ornamental, with a Star in front of their names

## 2183a—*Castings (Paper Mill)

**LUMEN BEARING CO.,** 200 Lathrop, Buffalo, N. Y.
***See adv index at end of book***

## 2184—Castings (Phosphor Bronze)

**Ajax Metal Co., 46 Richmond, Phila., Pa.**
American Manganese Bronze Co., 3501 Rhawn, Philadelphia, Pa.
Anderson A. H. (Light & Heavy), 1213 Fulton, Chicago, Ill.
**Atkinson Co. (1,000 to 5,000 lbs), Rochester, N. Y.**
Atlas Brass Works, 612 Bryant, San Francisco, Cal.
**Belfield H. Co., 435 N Broad, Phila., Pa.**
Blake Edwin J., Hartford, Conn
Bridgman Bros. Co., 131 S 31st, Phila., Pa.
Brightwood Brass Foundry, Springfield, Mass.
Bronze Metal Co., 30 Church, New York
Brown A. & F. Co., 79 Barclay, New York)
Brown Bros., Stamford, Conn.
*See adv index at end of book*
Bunting Brass & Bronze Co., 738 Spencer, Toledo, O. *See adv index at end of book*
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.

# "NICHROME" CASTINGS FOR ANNEALING, CARBONIZING, HARDENING & TEMPERING

Resistance Wire and Ribbon
Nichrome for electric heating
Kromore for electric ranges
No. 193 Alloy for controllers and rheostats
Advance for instruments and standards
Therlo for shunts

Dipping Baskets
Pyrometer Protection Tubes
Pure Sheet Nickel
Monel Metal Wire
Brass, Bronze and Phosphor Bronze Wire

Flexible Heat Cord
Metal Rope
Flexible Stranded and Braided Wire
Strip Steel
Spark Plug Wire
Wire for Weaving

*Rods, Sheets, Strip and Wire of Nickel and its Alloys*

## DRIVER-HARRIS COMPANY
HARRISON, N.J.

CANADIAN WORKS
CANADIAN DRIVER-HARRIS CO.
WALKERVILLE, ONT. CANADA

CHICAGO
23 So. JEFFERSON ST.

DETROIT
514 FREE PRESS BLDG.

BRITISH WORKS
DRIVER, DRENNAN & COOPER,
MANCHESTER, ENGLAND

No. 18


CASTINGS (PHOSPHOR BRONZE)—cont.

Crown Smelting Co., Chester, Pa.
**DAMASCUS BRONZE CO.** ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Davenport Locomotive Works, Davenport, Ia.
Edna Brass Mfg. Co., Cincinnati, O.
Emory P. P. Mfg. Co., Springfield, Mass
Erie Bronze Co., 353 W 19th, Erie, Pa.
*See adv index at end of book*
Erie Specialty Co., 520 W 12th, Erie, Pa.
Eureka Co., North East, Pa.
Exeter Brass Works, Exeter, N. H.
Eynon-Evans Mfg. Co., N 15th & Clearfield, Phila., Pa.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Fewlass-Leen Brass & Iron Co., 610 E Front, Cincinnati, O.
Gilbert A. & Sons Brass Fdry. Co., 4019 Forest Park bl, St. Louis, Mo.
Great Lakes Brass Foundry, Bay City, Mich.
Grote F. Mfg. Co., Evansville, Ind.
Hackett Brass Foundry, 242 Lillibridge, Detroit, Mich.
Harsch John Bronze & Foundry Co., Madison av, Cleveland, Ohio
Higgins & Co., Holyoke, Mass.
Hoban Brass Foundry Co., Dayton, O.
Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, O.
Ideal-Die Casting Co., 756 Eddy, Providence, R. I.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*
Krouse Geo. (Heavy), 150 Morgan, Jersey City, N. J.
Leslie Co., Lyndhurst, N. J.
Light Mfg. & Foundry Co., Pottstown, Pa.
Livermore Homer F. Inc., 85 Pearl St., Boston, Mass.
**LUMEN BEARING CO.**, 200 Lathrop, Buffalo, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McHatton Foundry Co., 1500 Washington av, Phila., Pa.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
Magnus Metal Co., 111 B'way, New York
Messmer Fred Mfg. Co., 2700 S 7th, St. Louis, Mo
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Moran Flexible Steam Joint Co., Louisville, Ky.
**MORE-JONES BRASS & METAL CO.**, Broadway & Dock, St. Louis, Mo.
*See adv index at end of book*
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
National Bronze & Aluminum Foundry Co., 2539 E 79th, Cleveland, O.
New Brunswick Iron Works, New Brunswick, N. J.
Newell Fred E., Central Falls, R. I.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Parsons Co., Newton, Ia.
Phosphor Bronze Smelting Co., 2200 Washington av, Phila., Pa.
Pioneer Brass Works, Indianapolis, Ind.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Prier Brass Mfg. Co., Kansas City, Mo.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Remington Machine Co., 411 E Front, Wilmington, Del.
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Rider-Bagg Co., Springfield, Mass.
Rock Island Metal Foundry, 505 41st, Rock Island, Ill.
Rogers C. E., 34 Beach, Boston, Mass.
St. Cloud Iron Works Co., St. Cloud, Minn.
San Diego Machine Co., San Diego, Cal.
Seymour Mfg. Co., Seymour, Conn.
Sherwood Brass Works, 1167 Jefferson E, Detroit, Mich.
Titanium Bronze Co., Inc., Niagara Falls, N. Y.
Trefethen D. A., Taunton, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.
Union Brass Foundry Co., Lowell, Mass.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Ward & Williams, Hancock, Mich.
Watson, Frye Co. Ltd., Bath, Me.
Wellman Bronze Co. (Medium & Heavy), 6017 Superior av, Cleveland, O.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.

## 2185—*Castings (Puddled Semi-Steel)

**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

## 2185a— Castings (Pulley)

Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*

## 2185b—Castings ("Pyrolloy" Heat Resisting Nickel Alloy)

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

## 2186— Castings (Railroad)

See also Castings, Aluminum; Castings, Brass & Bronze; Castings, Copper; Castings, Gray Iron; Castings, Gun Metal; Castings, Malleable Iron; Castings, Phosphor Bronze; Castings, Steel; Machinists & Founders
Atlas Foundry & Machine Co. (Iron), 30 & Wilkinson, Tacoma, Wash.
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Chrisman Foundry Co., Morgantown, W. Va.
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bld, Phila., Pa.
*See adv index at end of book*
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, Ohio.
*See adv index at end of book*
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Strong Steel Foundry Co., Buffalo, N. Y.
Union Spring & Mfg. Co., 1211 Fulton bldg., Pittsburgh, Pa.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

## 2187—Castings (Rock Crusher)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
American Road Machinery Co., Kennett Sq., Pa.
Atlas Steel Casting Co. (Steel), Buffalo, N. Y.
Bethlehem Steel Co. ("Manard" Steel), So. Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bonney-Floyd Co. (Manganese & Various Carbon & Alloy Steel), Columbus, O.
Brunner Machinery Co., Peru, Ill.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Chester Steel Castings Co., Chester, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Parsons Co., Newton, Ia.
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
Pettis W. W. Co., 416-417 First Natl. Bank bldg., Cincinnat, Ohio.
*See adv index at end of book*
St. Louis Steel Foundry (Manganese Steel), Hamburger & Kienlen av, St. Louis, Mo.
Stearns-Roger Mfg. Co., Denver, Colo.
Steele & Condict (Also for Elevators & Screens), 74 Pearl, Jersey City, N. J.
Strong Steel Foundry Co. (Steel), Buffalo, N. Y.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Traylor Engineering & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Union Spring & Mfg. Co., 1211 Fulton bldg., Pittsburgh, Pa.
*See adv index at end of book*
Union Steel Casting Co., Pittsburgh, Pa.
United Iron Works Co., Kansas City, Mo.
Vulcan Mfg. Co., 1200 4th av, Seattle Wash.
Warren Steel Casting Co., 3400 Mawry, St. Louis, Mo.

## 2188—Castings (Rolling Mill & Furnace)

See also Machinery, Rolling Mill; also Rolls, Sand, Chilled & Steel
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
American Manganese Steel Co. ("Amsco" Brand, Manganese Steel), 332 S Michigan av, Chicago, Ill.
American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Best Mfg. Co., A. & 1st, Pittsburgh, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bonney-Floyd Co. (Open-Hearth, Converter & Electric Steel), Columbus, O.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Chrisman Foundry Co. (also Tin Mill), Morgantown, W. Va.
*See adv index at end of book*
Cooper C. & G. Co., Mt. Vernon, O.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hyde Park Fdry. & Mach. Co., Hyde Park, Pa.
Ironton Punch & Shear Co., Ironton, O.
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*
**KEYSTONE BRONZE CO.,** 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
*See adv index at end of book*
Mesta Machine Co., Box 1124 Pittsburgh, Pa. *See adv index at end of book*
More-Jones Brass & Metal Co. (Bronze), Broadway & Dock, St. Louis, Mo.
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
National Roll & Foundry Co., Avonmore, Pa.
Newbold R. S. & Son Co. (Heavy), Norristown, Pa.
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
Penna. Engineering Works, New Castle, Pa.
Pettis W. W. Co., 416-417 First Natl. Bank bldg., Cincinnati, Ohio
*See adv index at end of book*
Philadelphia Roll & Machine Co., 25th & Wash'n av, Philadelphia, Pa.
Phoenix Iron Works Co., Meadville, Pa.
Reading Iron Co., Reading, Pa.
Rosedale Foundry & Machine Co., Columbus & Preble, Pittsburgh, Pa.
Sharon Foundry Co., Wheatland, Pa.
Sterritt-Thomas Foundry Co., 32d & Smallman, Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Traylor Engineering & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Treadwell M. H. Co. of Illinois, 208 S. La Salle, Chicago, Ill.
Union Steel Casting Co., Pittsburgh, Pa.
United Engineering & Fdry Co., Keenan bldg., Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, Ohio
Velte Foundry & Machine Co., Mars, Pa.
Vogt Bros. Mfg. Co., Louisville, Ky.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Weimer Machine Works Co., Lebanon, Pa.
Wheeling Mold & Fdry Co., Wheeling, W. Va.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*
Youngstown Foundry & Machine Co., Youngstown, O.

## 2189— Castings (Semi-Steel)

Albany Malleable Iron Co., Albany, N. Y.
Allyne-Ryan Foundry Co., Aetna rd & E 91st, Cleveland, O.
Atlantic Fdry. Co., Akron, O.
American Clay Machinery Co. (Medium), Bucyrus, O.
Arcade Malleable Iron Co., Worcester, Mass.
Avery B. F. & Sons (Plain or Machine) Louisville, Ky.
Ball Engine Co. (Up to 20 Tons), Erie, Pa
Barker Jas., 6th & Cayuga, Phila., Pa.
Bethlehem Foundry & Machine Co. South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry (Heavy), Derby, Conn.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
**BUFFALO FOUNDRY & MACHINE CO.** (Up to 200 Tons), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Centre Fdry & Machine Co., Wheeling, W. Va.
Chain Belt Co., Milwaukee, Wis.
Chalmers Mfg. Co., Lima, O.
Chrisman Foundry Co., Morgantown, W. Va. *See adv index at end of book*
City Foundry Co. (Up to 50 Tons), 45th & Hamilton av, Cleveland, O.
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Cumberland Fdry. & Mfg. Co., Nashville, Tenn.
Cureton Wm. & Sons, Dayton, Ohio.
Davenport Locomotive Wks., Davenport, Ia.
Davis Sewing Machine Co., Dayton, Ohio.
Davison-Namack Fdry. Co., Ballston Spa, N. Y.
Eastern Malleable Iron Co., Naugatuck, Conn.
Eccleston Machinery Co., 162 S Anderson, Los Angeles, Cal.
**FARRAR & TREFTS, INC.** (Up to 100,000), Buffalo, N. Y.
*See adv index at end of book*
Farrel Foundry & Machine Co. (Heavy), Ansonia, Conn.
Ferguson & Lange Foundry Co., Clybourne av & Willow, Chicago, Ill.
Francis & Nygren Foundry Co. (For Ammonia Castings, Smelting & Acid Kettles, Gears, etc), 2542 Fillmore, Chicago, Ill.
Fuller-Leghigh Co. (Up to 50 tons), Fullerton, Pa. *See adv index at end of book*
G. & C. Foundry Co., Sandusky, O.
Gillie Machine Co., Tonawanda, N. Y.
Greenville Iron Works, Greenville, S. C.
Grote F. Mfg. Co., Evansville, Ind.
Gustafson Mfg. Co., Chattanooga, Tenn.
Hagerstown Foundry Co., Hagerstown, Md.
Hammer & Co., Branford, Conn.
Hanson Clutch & Machy Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Hopes Combustion Engng. Co., Glens Falls, N. Y.
Independent Foundry Co., Portland, Ore.
Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.
Jackson & Church Co., Saginaw, Mich.
Kahl Iron Foundry, 537 Atwater, E Detroit, Mich.
La Point Foundry Co., Schlersingerville, Wis.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Lorain Casting Co. (Up to 40,000 lbs.), Lorain, O.
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McLain's System, Milwaukee, Wis.
McKim Foundry & Machine Co., Lockport, N. Y.
Malleable Iron Fittings Co. (Homogenous Metal), Branford, Conn.
Marion Machine Foundry & Supply Co., Marion, Ind.
Moak Machine & Tool Co., Port Huron, Mich.
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
Morris John B. Foundry Co., Court & Harriet, Cincinnati, O.
Muncie Foundry & Machine Co., Muncie, Ind.
Pettis W. H. Co., 416-417 First Natl. Bank bldg., Cincinnati, Ohio.
*See adv index at end of book*
Pierce-Brown Inc., North Tonawanda, N. Y.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Reliance Foundry Co., Richmond, Ind.
Ripley Foundry & Machine Co., Ripley, O.
Rosedale Foundry & Machine Co., Preble, Pittsburgh, Pa.
Ross-Meehan Foundries (Railroad), Chattanooga, Tenn.
St. Cloud Iron Works Co., St. Cloud, Minn.
Santa Fe Foundry Co., Richmond, Cal.
Sharp Furnace & Metal Appliance Co., W. Warren av & S Delaware, Denver, Colo.
Baker Mfg. Corp., Saratoga Springs, N. Y.
Simms Foundry Co., Racine, Wis.
Spuck Iron & Fdry. Co., 14th & Branch, St. Louis, Mo.
Standard Engineering Co., Elwood City, Pa.
Superior Foundry Co., 71 & W. & L. E. Ry., Cleveland, O
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
**THROPP'S JOHN E. SONS CO.,** ft of Lewis, Trenton, N. J.
*See adv index at end of book*
Toledo Ship Building Co., Toledo, O.
Tomahawk Steel & Iron Works, Tomahawk, Wis.
Traylor Engineering & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
**TREADWELL ENGINEERING CO.,** Easton, Pa. *See adv index at end of book*
United Engineering & Fdry. Co., Keenan bldg., Pittsburgh, Pa.
United Iron Works Co. Inc, Kansas City, Mo.
United Roll & Foundry Co., Ravenna, Ohio
Valley Iron Works, Williamsport, Pa.
Vogt Brothers Mfg. Co., Louisville, Ky.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Walker Foundry Co., Erie, Pa.
Waltham Foundry Co., Waltham, Mass.
West Allis Foundry Co., West Allis, Wis.
Wilmington Malleable Iron Works of Eastern Malleable Iron Co., Wilmington, Del
Wollaston Foundry Co., Wollaston, Mass.

## 2190— Castings (Settee)

National Malleable Castings Co., 7706 Platt av, S E, Cleveland, O.

## 2190a— Castings (Ship)

**AMERICAN STANDARD SHIP FITTING CORP.,** 115 B'way, New York.
*See adv index at end of book*
Anniston Steel Co., Anniston, Ala.
Baker Iron Wks., 912 N Broadway, Los Angeles, Cal.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 2191—*Castings (Sidewalk & Vault Light)

**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*

## 2191a— Castings (Silver)

Ideal-Die Casting Co., 756 Eddy, Providence, R. I.
Owren Casting Co., Attleboro, Mass.

## 2191b—*Castings (Stamp Mill)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## Castings (Steam Fitters')

See Fittings, Various Kinds

## 2192— Castings (Steel)

This List is Duplicated under Head of Machinists & Founders

### ALABAMA.

ALABAMA CITY—Gulf States Steel Co.
WOODWARD—Woodward Iron Co.

### CALIFORNIA.

LOS ANGELES—Warman Steel Casting Co., Box 608
OAKLAND—Best C. L. Gas Traction Co.
OXNARD—Dunn Mfg. Co.
PITTSBURG—Columbia Steel Co. (See San Francisco)
REDONDO BEACH—Warman Steel Casting Co.
SAN FRANCISCO—Alaska Treadwell Gold Mining Co.

CALIFORNIA—San Francisco—continued
Columbia Steel Co. (Acid & Basic Open Hearth), 503 Market. (Works: Pittsburg, Cal.)
Enterprise Foundry Co. (Open Hearth), 20 Stewart
Judson Mfg. Co., 819 Folsom
Stroh Steel Hardening Process Co., Hobart bldg.
Union Iron Works Co. (Tropenas, for Co.'s Own Use), 20th & Michigan
STOCKTON—Samson Iron Works (Crucible)

### COLORADO.

DENVER—Colorado Fuel & Iron Co. (Bessemer & Open Hearth, for Company's Own Use)

### CONNECTICUT.

BRANFORD—Hammer & Co.
Malleable Iron Fittings Co. (Low Carbon & Tropenas)
COLLINSVILLE—Collins Co. (Crucible, All Consumed by the Company)
HARTFORD—Conecticut Electric Steel Co.
NEW HAVEN—Penn Seaboard Steel Corp. (See Phila., Pa.)

### DELAWARE.

NEW CASTLE—American Manganese Steel Co. ("Amsco" & "Stag" Brand, Manganese Steel), Main Office: Chicago, Ill.
Brylgon Steel Casting Co (Manganese Steel, Gear Blanks, Motor Frames, Connecting Rods, Crankshafts, Governor Arms)
Deemer Steel Casting Co (1 to 10,000 lbs)
Penn Seaboard Steel Corp. (See Phila., Pa.)
WILMINGTON—Lobdell Car Wheel Co. (Open Hearth, 1 lb. to 10 tons)

### DISTRICT OF COLUMBIA.

WASHINGTON—Firth-Sterling Steel Co., Giesboro Point
Naval Gun Factory, New Navy bldg. (Tropenas)

### GEORGIA.

ATLANTA—American Machine & Mfg. Co.

### ILLINOIS.

BRADLEY — Bradley David Machine Works
CHICAGO—American Steel Foundries (Open Hearth Up to Any Weight), McCormick bldg
Buchanan Electric Steel Co., 80 E Jackson bl (Works: Buchanan, Mich.)
Burnside Steel Co., Railway Exch.
Chicago Malleable Castings Co., 120th & Racine av
Chicago Steel Foundry Co. (High Manganese & High Carbon Crucible; also Magnetic for Electrical Purposes), 3701 S Kedzie av
**LINK-BELT CO.** (Zenzes Converter), 329 W 39th
*See adv index at end of book*
National Car Coupler Co. (Acid Open Hearth, Up to 20 Tons), 332 S Michigan av. Works: Attica, Ind.
Pettibone, Mulliken & Co., 140 S Dearborn
Railway Steel Spring Co., 108th & Watt av
Western Steel Car & Foundry Co. (Basic Open Hearth Car & Railroad), People's Gas bldg.
EAST ST. LOUIS—American Steel Foundries (Crucible, Acid Open Hearth, Up to Any Weight). Main Office: Chicago, Ill.
GRANITE CITY—American Steel Foundries (Acid, Open Hearth & Crucible, Up to Any Weight). Main Office: Chicago, Ill.)
Commonwealth Steel Co. (Basic Open Hearth). Office: St. Louis
JOLIET—Illinois Steel Co. (See Chicago, Ill.)
MELROSE PARK—National Malleable Castings Co. (See Cleveland, O.)

### INDIANA.

ATTICA—National Car Coupler Co. (See Chicago, Ill.)
EAST CHICAGO—Hubbard Steel Foundry Co.
EVANSVILLE—Evansville Tool Works
FORT WAYNE—Brass Foundry & Machine Co.
HUNTINGTON—Huntington Steel Foundry Co.
INDIANA HARBOR—American Steel Foundries (Acid, Open Hearth, Car, Locomotive & Other Steel Castings). Office: Chicago, Ill.
Inland Steel Co. (See Chicago)
LAWRENCEBURG—Cook Aug. D.
MICHIGAN CITY—Haskell & Barker Car Co.
MONTPELIER—National Steel Casting Co. (Acid & Basic Open Hearth Car Couplers, Knuckles & General Castings)
MUNCIE—Muncie Malleable Castings Co. ("Muncie Crown," for Automobiles, Pneumatic Tools, Gas Engines, etc)
Whitely Steel Co. (High Grade, Small)
SOUTH BEND—Oliver Chilled Plow Works (Crucible, all Consumed in Their Works)
South Bend Chilled Plow Co.
TERRE HAUTE—Inland Malleable Iron & Steel Co.

### IOWA.

BETTENDORF—Bettendorf Co. (Basic Open Hearth)
Zimmerman Steel Co.
CHARLES CITY—Hart-Parr Co.
NEWTON—Parsons Co. (Crucible & Manganese)

### LOUISIANA.

MANSFIELD—De Soto Foundry & Machine Co. (Ltd.)
NEW ORLEANS—Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av
Whitney Iron Works Co., 849 Tehoupitoulas

### MAINE.

BATH—Watson, Frye Co. Ltd. (Crucible)

### MARYLAND.

BALTIMORE—Baltimore Malleable Iron & Steel Casting Co., So. Charles & Wells
**ELLICOTT MACHINE CORP.**, 1111 Bush. *See adv index at end of book*
ELKTON—Powers James F. Foundry Co
SPARROW POINT—Maryland Steel Co.

### MASSACHUSETTS.

BOSTON—Eastern Steel Casting Co (Crucible), 30 Kemble
Livermore Homer F. Inc., 85 Pearl
CHELSEA—Connolly Steel Casting Co.
MILLBURY—Millbury Steel Foundry Co. (Crucible, 1 to 1000 lbs)

### MICHIGAN.

ADRIAN—Adrian Steel Casting Co. (Crucible Steel for Light Machinery a Specialty)
BUCHANAN—Buchanan Electric Steel Co. (See Chicago, Ill.)
DETROIT—Buhl Malleable Co., Wight & Adair
Detroit Steel Casting Co. (Robert Bessemer & Acid Open Hearth, Up to 20 Tons), 1243 Michigan
Michigan Steel Casting Co., 248 Guoin
Monarch Steel Castings Co. (Acid Open Hearth), Solway & Wab. R. R.
Swedish Crucible Steel Co. ("Pyro" Crucible), Butler & Grand Trunk R. R.
KALAMAZOO—Reed Foundry & Machine Co. (Crucible for Automobiles, Machinery, etc.)
MONROE—Monroe Steel Castings Co. (Crucible Up to 10,000 lbs.)
MUSKEGON—West Michigan Steel Fdry Co.
NORTHVILLE—American Bell & Foundry Co.
SAGINAW—Fair S. & Son (Crucible)

### MINNESOTA.

MINNEAPOLIS—Minneapolis Elec. Steel Castings Co., 38th av N E & 5th
Twin City Rapid Transit Co. (For Own Use Only), 11th & Hennepin av
Western Crucible Steel Casting Co., 2843 Pleasant av
ST. PAUL—American Hoist & Derrick Co.
Twin City Lines (For Own Use Only)

### MISSOURI.

ST. LOUIS—American Steel Foundries (Acid Open Hearth & Crucible Up to Any Weight), Main Office, Chicago, Ill.
Commonwealth Steel Co. (Basic Open Hearth), Pierce bldg. Works: Granite City, Ill.
St. Louis Car Co. (Car), 8000 N. B'way.
St. Louis Steel Foundry (5 to 10,000 lbs.), Hamburg & Kienlen av
Scullin Steel Co. (Basic Open Hearth, up to 60,000 lbs.), 6700 Manchester av
Warren Steel Casting Co. (Crucible, from 1 lb. up to 1,000), 3400 Mawry av
WEBB CITY—Webb City & Carterville Foundry & Machine Works

### NEW JERSEY.

BAYONNE—Bayonne Steel Casting Co. Carbon, Crucible, Nickel, Vanadium, etc.) (Converter & Electric Furnace)
Bayonne Steel Casting Co. (Open Hearth & Converter)
BURLINGTON—Devlin Thomas Mfg. Co. (See Phila, Pa.)
CHROME—Chrome Steel Works (Acid & Basic Open Hearth & Crucible)
HOBOKEN—Union Iron Works
MAHWAH—American Brake Shoe & Foundry Co. (Works: New Castle, Del., & Chicago, Ill.)
KEARNY—Riverside Steel Casting Co. (Crucible, 1 to 2000 lbs.)
NEWARK—Hewitt Steel Corp.
TRENTON—Trenton Malleable Iron Co.

### NEW YORK.

BUFFALO—Acme Steel & Malleable Iron Wks., 245 Military Rd
Atlas Steel Casting Co. (Acid Open Hearth up to 30,000 lbs.)
**BUFFALO FOUNDRY & MACHINE CO.** (Up to 200 Tons), 65 Winchester av. *See adv index at end of book*
Jewell Steel & Malleable Co. (Carbon)
Pratt & Letchworth Co. (Acid Open Hearth)
Strong Steel Foundry Co. (Acid Open Hearth Any Weight up to 20,000 lbs. for Any Purpose)
Taylor W. P. Co., Ellicott sq
DEPEW—Gould Coupler Co. (Basic Open Hearth)
WATERVLIET—Adirondack Steel Foundries Co.

### NEW YORK CITY.

Boroughs of Manhattan and Bronx.

BROOKLYN—U. S. Navy Yard (For Own Use Only)
American Bridge Co. (Acid & Basic Open Hearth), 19 W 44th, New York
NEW YORK—**ALLOY STEEL PRODUCTS CORP.**, 30 Church, New York
*See adv index at end of book*
American Steel Foundries (Acid Open Hearth, Crucible up to Any Weight), Hudson Terminal bldg
Gould Coupler Co. (Basic Open Hearth), 30 E 42nd. Works: Depew, N. Y.
Johnson Isaac G. & Co. (Acid Open Hearth, Tropenas, Steel Castings & Special Electric Metal of High Permeability), Spuyten Duyvil
Simon & Mills, Inc., 25 Leonard
Newport News Shipbuilding & Dry Dock Co. (Tropenas), 238 Broadway, Works: Newport News, Va.
S. E. T. Valve & Hydrant Co., Inc., 56 Church

**Borough of Queens.**

LONG ISLAND CITY—Steinway & Sons

**(End of New York City)**

OHIO.

AKRON—**ADAMSON MACHINE CO.**
*See adv index at end of book*
Atlantic Foundry Co., Akron, O.
ALLIANCE—American Steel Foundries (Acid Open Hearth & Crucible, up to any weight), Main Office, Chicago, Ill.
Machined Steel Castings Co.
Morgan Engineering Co. (Open Hearth)
*See adv index at end of book*
BELLAIRE—Carnegie Steel Co. (Office: Pittsburgh, Pa.)
CANTON—Canton Steel Foundry Co.
CINCINNATI—Cincinnati Steel Castings, Queen City & Springgrove avs
CLEVELAND—American Steel & Wire Co. (Acid and Basic Open Hearth, for the company's own use), Western Reserve bldg
*See adv index at end of book*
Cleveland Steel Casting Co. (Acid Open Hearth, Heavy)
National Malleable Castings Co. (Open Hearth & Electric), 7706 Platt av S. E.
Otis Steel Co. (Acid & Basic Open Hearth, from 1 to 150,000 lbs.), Leader-News bldg
Standard Steel Castings Co. (From 1 to 100 lbs), 3311 W 73d
**WELLMAN-SEAVER-MORGAN CO.** (Basic Open Hearth)
*See adv index at end of book*
COLUMBUS—Bonney-Floyd Co. (Open Hearth, Converter & Electric Manganese & Various Carbon & Alloy Steels)
Buckeye Steel Castings Co. (Cast Steel Railroad Specialties Only)
Columbia Steel Co., 10th & Johnson, Portland, Ore.
Ohio Malleable Iron Co., 961 N Fourth
DAYTON—Dayton Steel Foundry Co. (Electric)
Joyce-Cridland Co.
HUNTINGTON—Huntington Steel Fdry. Co.
LIMA—Ohio Steel Foundry Co. (Acid & Open Hearth, Converter, Electric & Vanadium)
LORAIN—National Tube Co.
Chalmers Mfg. Co.
MARION—Commercial Steel Casting Co.
MASSILLON—Massillon Steel Casting Co.
MIDDLETOWN — American Rolling Mill Co.
MONTPELIER—Wingert Foundry & Furnace Co.
SANDUSKY—Farrell-Cheek Steel Foundry Co. (Up to 20,000 lbs.)
STEUBENVILLE—La Belle Iron Works (Basic Open Hearth, General Mill Castings)
TOLEDO—Toledo Steel Casting Co.
WARREN—Alloy Electric Steel Casting Co.
WELLSVILLE—Menough Foundry Co.

OREGON.

PORTLAND—Columbia Steel Co. (See San Francisco, Cal.)

PENNSYLVANIA.

AMBRIDGE—American Bridge Co. (See Pittsburgh, Pa.)
BIRDSBORO—Birdsboro Steel Foundry & Machine Co. (Acid Open Hearth)
BRACKENBRIDGE—Allegheny Steel Co. (See Pittsburgh, Pa.)
BRADDOCK — Braddock Manufacturing Co.
Sterling Steel Foundry Co. (Acid Open Hearth)
BURNHAM—Standard Steel Works Co. (See Phila., Pa.)
CHESTER — American Steel Foundries (Acid Open Hearth & Crucible up to any Weight). Main Office: Chicago, Ill.
Atlantic Steel Casting Co. (Open Hearth Steel up to 300 lbs.)
Chester Steel Castings Co. (Open Hearth, any weight up to 60,000 Pounds). Office: Phila., Pa.
Federal Steel Foundry Co. (Acid Open Hearth for Machinery, Engines, Ships, Locomotives, etc)
Penn Seaboard Steel Corp. (See Phila.), *See adv index at end of book*
Seaboard Steel Casting Co.
CORAOPOLIS—Duquesne Steel Foundry Co. (See Pittsburgh)
CRUM LYNNE—Eagan-Rogers Steel & Iron Co. (Converter, up to 200 lbs)
EASTON—Kuebler Foundries
Treadwell Engineering Co. (Electric Furnace)
*See adv index at end of book*


**STEEL CASTINGS**
**"Electric Furnace"**
*Write for catalog.*
**Treadwell Engineering Co.**
EASTON, PENNA.


**WHARTON WM. JR. & CO., INC.**
ERIE—National Fdry. Co. (Acid Open Hearth, Railroad Machinery & Castings)
FRANKLIN — American Steel Foundries (Acid Open Hearth & Crucible, up to any Weight). Main Office: Chicago, Ill.
GLASSPORT—Pittsburgh Steel Foundry Co. (Acid Open Hearth, up to 60,000 lbs). Office: Pittsburgh, Pa.
GROVETON—Lewis Foundry & Machine Co. (See Pittsburgh, Pa.)
HOMESTEAD—Carnegie Steel Co. (See Pittsburgh, Pa.)
Mesta Machine Co.
JOHNSTOWN—Cambria Steel Co. (Open Hearth), Main office, Phila., Pa.
Lorain Steel Co.
Suppes Forge & Foundry Co.
LANCASTER—Carbon Steel Casting Co. (Annealed)
LANSDOWNE—Crucible Steel Casting Co. (Crucible Automobile & Machy. Castings, 1 to 2,000 lbs)
LEBANON—**LEBANON GEAR & MACHINE WORKS**, 17th & Forge
*See adv index at end of book*
Lebanon Steel Foundry (High Carbon Crucible)
McKEESPORT—Firth-Sterling Steel Co.
Fort Pitt Steel Casting Co. (Small Castings)
McKEES ROCKS—Fort Pitt Malleable Iron Co. (Miscellaneous Open Hearth)
Pressed Steel Car Co. (See Pittsburgh, Pa.)
MEADVILLE—Phoenix Iron Works Co., Yost Mfg. Co.
MIDLAND—Pittsburgh Iron & Steel Foundries Co. (Medium & Large)
NEW BRIGHTON — Damascus Crucible Steel Casting Co. (Crucible)
NEWCASTLE—**PENN SEABOARD STEEL CORP.**
*See adv index at end of book*
NEW KENSINGTON—Union Spring & Mfg. Co.
PHILADELPHIA—American Bridge Co., Widener bldg
Chester Steel Castings Co. (Acid Open Hearth & Cementation Steel Castings), 407 Sansom
Cramp Wm. & Sons Ship & Engine Bldg. Co., Beach & Ball
Devlin Thos. Mfg. Co., Lehigh & 3rd. (Works: Burlington, N. J.)
Flagg Stanley G. & Co., Morris bldg. (Works: Pottstown)
**LINK-BELT CO.**, Hunting Park av & P. & R. Ry
*See adv index at end of book*
Midvale Steel & Ordnance Co. (all kinds of sizes), Widener bldg.
Morris I. P. Co., Richmond & Norris


**When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER**


**PENN SEABOARD STEEL CORP.**
(Heavy up to 50 Tons, Open Hearth Engines, Fittings, etc), Franklin bldg, Phila., Pa.
*See adv index at end of book*


**Penn Seaboard Steel Corporation**
**Franklin Bank Bldg., Philadelphia, Pa.**
**Steel Castings**
**Ingots Billets Blooms**
**Admiral Anchors**


**PHILADELPHIA ROLL & MACHINE CO.**, 25th & Washington av
Phoenix Iron Co. (Open Hearth, for Self-Consumption), 22 S 15th. Works: Phoenixville, Pa.
Standard Steel Works Co. (Acid Open Hearth), Morris bldg. Works: Burnham, Pa.
Temple Malleable Iron & Steel Co., Harrison bldg. Works: Temple, Pa.
PHOENIXVILLE—Phoenix Iron Co. (See Phila., Pa.)
PITTSBURGH—Allegheny Steel Co. (Small Basic Open Hearth), Oliver bldg. Works: Brackenridge, Pa.
American Bridge Co., Frick bldg
American Sheet & Tin Plate Co. (All consumed by the company), Frick bldg
American Steel Foundries (Open Hearth, up to Any Weight), Main Office: Chicago, Ill.
Duquesne Steel Foundry Co. (Acid Open Hearth & Tropenas), Arrott bldg. Works: Corapolis, Pa.
Edgewater Steel Co. (Cast), Edgewater Station & A. V. R. R.
Garrison A Foundry Co., 901 Bingham
Mackintosh, Hemphill Co. (Acid Open Hearth, up to 160,000 lbs.), ft. of 12th
Keystone Bronze Co., 39th & A. V. R. R.
*See adv index at end of book*
McConway & Torley Co. (Acid Open Hearth), 48th & A. V. R. R.
Mesta Machine Co.
*See adv index at end of book*


**Steel Castings**
Acid Open Hearth Nickel, Vanadium Special Alloy or Semi-Steel (Any Carbon)
**Mesta Machine Company**
Pittsburgh, Pa., U. S. A.


Pittsburgh Iron & Steel Foundries Co., Oliver bldg
Pittsburgh Steel Foundry (Acid & Basic Open Hearth, Up to 60,000 lbs), House bldg. Works: Glassport, Pa.
Pressed Steel Car Co. (Basic Open Hearth, Car & Railroad, Electric), 307 5th av. Works: McKees Rocks, Pa.
Reliance Steel Casting Co. (Up to 20 Tons), 28th & Smallman
Union Spring & Mfg. Co., 1211 Fulton bldg *See adv index at end of book*
Union Steel Casting Co. (Acid Open Hearth)
United Engineering & Foundry Co. (Acid Open Hearth, All Weights), Keenan bldg
Verona Steel Castings Co.
POTTSTOWN—Bramcote Foundry & Machine Co.
Flagg Stanley G. & Co. (See Phila.)

PENNSYLVANIA—continued
READING—Reading Steel Casting Co. (Converter & Open Hearth)
SHARON—American Steel Foundries (Acid Open Hearth & Crucible up to Any Weight). Main Office, Chicago, Ill.
National Malleable Castings Co. (Open Hearth). (Office, Cleveland, O.)
SOUTH BETHLEHEM—Bethlehem Steel Co.
SWISSVALE—Union Switch & Signal Co (Mild Steel)
TEMPLE—Temple Malleable Iron & Steel Co. (Office, Phila., Pa.)
VANDERGRIFT—United Engineering & Fdry Co. (See Pittsburgh, Pa.)
VERONA—Verona Steel Castings Co.
WHEATLAND — Sharon Foundry Co. (Acid Open Hearth)
WILKES-BARRE — Vulcan Iron Works, (Open Hearth)

### RHODE ISLAND.

HILLSGROVE—Rhode Island Malleable Iron Works

### SOUTH CAROLINA.

GREENVILLE—Am. Machine & Mfg. Co.

### TENNESSEE.

CHATTANOOGA—American Brake Shoe & Foundry Co.
Walsh & Weidner Boiler Co

### TEXAS.

EL PASO—El Paso Foundry & Machine Co.
LONGVIEW—Kelly G. A. Plow Co.

### VIRGINIA.

BASIC—Penn Foundry & Mfg. Co.
NEWPORT NEWS—Newport News Ship Building & Dry Dock Co. (Tropenas & Electric). Office: New York
ROANOKE—Roanoke Iron Works Inc.

### WASHINGTON.

HOQUIAM—Gray's Harbor Iron &.Steel Co
SPOKANE—Armstrong Machinery Co.
*See adv index at end of book*
TACOMA—Puget Sound Iron & Steel Works

### WEST VIRGINIA.

WHEELING—National Tube Co. (See Pittsburgh, Pa.)
Wheeling Mold & Foundry Co. (Acid Open Hearth)
Wheeling Steel Casting Co.
Whitaker-Glessner Co. (Basic Open Hearth for Own Use)

### WISCONSIN.

FORT ATKINSON — Creamery Package Mfg. Co.
MILWAUKEE—Bay View Steel Casting Co., 132 So. Bay
Chain Belt Co. (Crucible),
Crucible Steel Casting Co. (Crucible, up to 1,200 lbs.), 612 Clinton
Electric Steel Castings Co. (Electric), 64th and R. R.
FALK CO. (Acid Open Hearth), Ft. 30th *See adv index at end of book*
Maynard Steel Foundry Co. (Crucible), 716 Reed
Milwaukee Steel Foundry Co. (Special Converter Steel Castings), 101 S Water
Modern Steel Casting Co.
National Steel Foundries (Acid Open Hearth, up to 40,000 lbs.), Belleview pl and Larkin
Sivyer Steel Casting Co. (Electric),
Smith Geo. H., Steel Casting Co. (Converter and Open Hearth), 500 Clinton
Standard Crucible Steel Casting Co., 719 30th
Wehr Steel Co., 45th and Gordon av, Milwaukee, Wis.
RACINE—Belle City Malleable Iron Co.
Racine Steel Castings Co.
SOUTH MILWAUKEE—Bucyrus Co. (Basic Open Hearth)
WEST ALLIS—Gerlinger Steel Casting Co. (Crucible for Auto, Electric Mining Machinery, etc.)
Wehr Steel Co. (Crucible)

## Castings (Stone Crusher)

See Castings, Rock Crusher

## 2193— Castings (Sugar House)

See also Castings, Chemical
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**FULTON IRON WORKS CO.,** St. Louis, Mo. *See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## 2193a— Castings (Tractor)

Ferro Machine & Fdy. Co. (Gray Iron).
Jewell Steel & Malleable Co., Buffalo, N. Y.
Michigan Steel Casting Co., 248 Guoin, Detroit, Mich.
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, Ohio
*See adv index at end of book*

## 2194— Castings (Tubal Bronze)

Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.

## 2195—*Castings (Vacuum Pan)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## 2196—Castings (Vanadium Bronze)

Brown Bros., Stamford, Conn.
*See adv index at end of book*
Highton Wm. & Sons Co., Nashua, N. H.
McGee Jos. Iron & Brass Fdry. Co., 51 6th, Long Island City, N. Y.
Russell Fdry & Mach. Works, 51 6th, Long Island City, N. Y.

## 2197—Castings (Vanadium Iron)

Barker Jas., 6th & Cayuga, Phila., Pa.
Capitol Foundry Co. (Specialties, Auto Cylinder, Marine & Gas & Gasoline Motor Castings), Hartford, Conn.
Dixon H. L. Co. (Specialty Glass Bottle Molds), Rosslyn rd, Pittsburgh, Pa.
Du Bois Foundry Co. (Specialties, Piston Rings & Small Cylinders), Cold Spring, N. Y.
Early W. J. & Sons (Ltd.) (Glass Molds a Specialty), 812 Sarah, Pittsburgh, Pa.
Kelly Nicholas & Son (Glass Molds a Specialty), 1704 Wharton, Pittsburgh, Pa.
Manufacturers Foundry Co. (Specialty Auto Cylinders), Waterbury, Conn.
Perkins Henry Co. (Specialty Auto & Motor Cycle Cylinders), Bridgewater, Mass.
Ross-Meehan Foundries (Railroad), Chattanooga, Tenn.
Waterbury Castings Co., Waterbury, Conn
Weller Hdware & Fdry. Co., Horseheads, N. Y.
Zahniser Bros. & Sten (Specialty Glass Molds), Washington, Pa.

## 2198—Castings (Vanadium Metal)

Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

## 2199—Castings (Vanadium Steel)

See also firms in Castings, Steel, with the word Vanadium following their names
American Steel Foundries (Open Hearth Locomotive & Marine, Mill & Engine Castings, Rolls, Gears & Pinions), McCormick bldg, Chicago, Ill.
Bonney-Floyd Co., Columbus, O.
Brylgon Steel Casting Co. (Tropenas Converter), New Castle, Del.
Chain Belt Co., Milwaukee, Wis.
Cincinnati Steel Castings Co. (Tropenas Converter), Queen City & Spring Grove avs, Cincinnati, O.
Crucible Steel Castings Co. (Crucible), Lansdowne, Pa.
Damascus Crucible Steel Casting Co. (Crucible), New Brighton, Pa.
Farrell-Cheek Steel Foundry Co. (Tropenas), Sandusky, O.
Mackintosh, Hemphill Co., ft. of 12th, Pittsburgh, Pa.
Malleable Iron Fittings Co., Branford, Conn.
**MESTA MACHINE CO.** (Steel Rolls, Gears, Pinions, Mill & Engine Castings), Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Millbury Steel Foundry Co. (Crucible), Millbury, Mass.
Minneapolis Electric Steel Castings Co., 38th av N E & 5th, Minneapolis, Minn.
Ohio Steel Foundry Co. (Locomotive, Steel Rolls, Gears, Pinions, Mill & Engine Castings), Lima, O.
Parsons Co., Newton, Iowa
Penn Seaboard Steel Corp, Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
Pittsburgh Steel Foundry, House bldg, Pittsburgh, Pa.
Pratt & Letchworth Co. (Open Hearth Steel Rolls, Gears, Pinions, Mill & Engine Castings), Buffalo, N. Y.
Reading Steel Casting Co. (Tropenas Converter), Reading, Pa.
Riverside Steel Casting Co. (Crucible), Kearny, N. J.
Ross-Meehan Foundries (Railroad), Chattanooga, Tenn.
Smith Geo H. Steel Casting Co., 500 Clinton, Milwaukee, Wis.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Union Steel Casting Co. (Open Hearth Steel, Rolls, Gears, Pinions, Mill & Engine Castings), Pittsburgh, Pa.
Warren Steel Casting Co., 3400 Mawry, St. Louis, Mo.
West Steel Casting Co. (Crucible & Tropenas Converter), 805 E 70th, Cleveland, O.
Wheeling Mold & Foundry Co. (Steel Rolls, Gears, Pinions, Mill & Engine Castings), Wheeling, W. Va.

## 2199a— Castings (Water Works)

See also Cast Iron Pipe Mfrs., Gas & Water; also Valves, Gate for Water Mains; also Covers, Manhole
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.

## 2200— Castings (White Metal)

Ajax Metal Co., 46 Richmond, Phila., Pa.
American Casting & Mfg. Corp., 30 Main, Brooklyn, N. Y.
American Bearing & Die Casting Corp., 212 W McCarthy, Indianapolis, Ind.
Bronzbraswyt Metals Co., First Nat'l Bank bldg, Pittsburgh, Pa.
Brown Bros., Stamford, Conn.
*See adv index at end of book*
Capital Brass Works, 596 Franklin, Detroit, Mich.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, E Detroit, Mich.
**DIE CASTING CO. OF OHIO (THE),** Toledo, Ohio *See adv index at end of book*
Erie Bronze Co., 353 W 19th, Erie, Pa.
*See adv index at end of book*
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Franklin Die Casting Corpn., 101 Magnolia, Syracuse, N. Y.
Grote F. Mfg. Co., Evansville, Ind.
Hackett Brass Foundry, 242 Lillibridge, Detroit, Mich.
Highton Wm. & Sons Co. ("Parsons," White Bronze), Nashua, N. H.
Iroquois Foundries, Inc., 474 Genesee, Utica, N. Y.
Kokomo Brass Works, Kokomo, Ind.
Krouse W. E. & Bro., Bridgeport, Conn.
Legler-Eilerman Co., Dayton, O.
Light Mfg. & Foundry Co., Pottstown, Pa.
**LUNKENHEIMER CO.** Executtive Offices and Factories, Beekman & Waverly, Cincinnati *See adv index at end of book*
Marion Machine Foundry & Supply Co., Marion, Ind.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
Monumental Bronze Co. (Ornamental White Bronze), Bridgeport, Conn.

Moran Flexible Steam Joint Co., Louisville, Ky.
**MORE-JONES BRASS & METAL CO.,** Broadway & Dock, St. Louis, Mo.
*See adv index at end of book*
**Mosser W. F. & Son (Iron), Allentown, Pa.**
Nat'l Smelting Corp., 554 Bryant, San Francisco, Cal.
**Pacific Metal Works, 153 1st, San Francisco, Cal.**
**Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.**
**Pevey Foundry Co., Lowell, Mass.**
**Pioneer Brass Works, Indianapolis, Ind.**
**Providence Brass & Aluminum Foundry, 460 Eddy, Providence, R. I.**
**Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.**
**Reynolds Gardner W., Meriden, Conn.**
**Rock Island Metal Foundry, 505 41st Rock Island, Ill.**
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
**Van Wagner E. B. Mfg. Co., Fayetteville, N. Y.**
**Victoria Metal Co., Erie, Pa.**

## 2201— Castings (Zinc)

**Anderson A. H., 1213 Fulton, Chicago, Ill.**
Atlas Brass Works, 612 Bryant, San Francisco, Cal.
Brown Bros., Stamford, Conn.
*See adv index at end of book*
Chatham Die Casting Co., 128 Mott, New York
**DIE CASTING CO. OF OHIO (THE),** Toledo, Ohio
**Gerock Bros. Mfg. Co., 1252 S Vandeventer av, St. Louis, Mo.**
**Liberty Brass Works, 305 W Lombard, Baltimore, Md.**
Magnis Co., Inc., 860 N Main, Los Angeles, Cal.
Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
**MORE-JONES BRASS & METAL CO.,** Broadway & Dock, St. Louis, Mo.
*See adv index at end of book*
**Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.**
San Diego Machine Co., San Diego, Cal.

## 2201a— *Castors (Plate Mill)

Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*

## 2201b— Castors (Veneer Press)

Elmes Chas. F. Engng. Works, Inc., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 2202— Cat-Gut (Surgical)

Cragin Calhoun (Imp. & Selling Agent), 149 B'way, New York
Davis & Geck, 221 Duffield, Brooklyn, N. Y.
**Johnson & Johnson, New Brunswick, N. J.**
Wilson Thos. E. & Co., 701 N Sangamon, Chicago, Ill.

## 2203—Catalogues (General Hardware)

**Woodward-Tiernan Printing Co., 309 N 3rd, St. Louis, Mo.**

## Catch Basins & Covers

**See Basins, Catch; also Inlets, Sewers**

## 2203a— *Catchalls

Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*

## 2204— Catchers (Fly)

**Dejonge Louis & Co. ("Pyramid"), 71 Duane, New York**
**Seibert H. E. ("Seibert" Poison Tin), 475 Broadway, St. Paul, Minn.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 2205— Catchers (Grass)

**American Mfg. Co., Columbus, O.**
**Buckeye Tent & Awning Mfg. Co., 264 Spruce, Columbus, O.**
**Coldwell Lawn Mower Co., Newburgh, N. Y.**
**Enterprise Mfg. Co. of Pa. 3d & Daupin, Phila., Pa.**
**Excelsior Bag & Mfg. Co., Troy, N. Y.**
**F. & N. Lawn Mower Co. ("Simplex" & "Chief"), Richmond, Ind.**
**Granite State Mowing Machine Co., Hinsdale, N. H.**
**Hasseries Carl ("The Leader," "Bieder"),** Broadway & E 55th, Cleveland, O.
**Krause R. F. ("Ideal," "Victor," "Boomer" Metal), Zion City, Ill.**
Perfection Mfg. Co., 2701 Montclair, St. Louis, Mo.
**Philadelphia Lawn Mower Co. ("Philadelphia"),** 3101 Chestnut, Phila, Pa.
**Specialty Mfg. Co. ("Leader," "Easy** Emptying," "Detachable"), 2362 University av, St. Paul
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
Whitaker Mfg. Co., 409 Green, Chicago, Ill.
**Worcester Lawn Mower Co. ("Worcester"), Worcester, Mass.**
**Zittolsen Mfg. Co. ("Nox-All"), Park & Dolman, St. Louis, Mo.**

## 2206— Catchers (Potato Bug)

**Stevens Mfg. & Foundry Co., Decatur, Ill.**

## 2207—Catchers & Retrievers (Trolley)

Dayton Fare Recorder Co., Dayton, O.
Earll Chas. I. (Catchers), 11 B'way, New York
**Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.**
**Ohio Brass Co., Mansfield, O.**
*See adv index at end of book*
Trolley Supply Co. ("Ideal," "Knutson"), Canton, O.
**Wilson & Co. (Sole Mfrs. of the "Wilson"),** 108 N 6th, Brooklyn, N. Y.
Wood Chas. N. Co., 14 Federal, Boston, Mass.

## 2208—Catches (Baskets & Box, Fancy)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**LUDWIG A. & CO.** (Box,) 75 Spring, New York

## 2208a— *Catches (Blind)

Sargent & Co., New Haven, Conn.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 2209—Catches (Cupboard, Screen Door, Etc.)

**Allith-Prouty Co. ("Prouty"), Danville, Ill.**
**Aurora Door Hanger & Specialty Co., Aurora, Ill.**
**Automatic Door Catch Co. ("Perfect" & Automatic Screen Door), Harvey, Ill.**
**Bradley & Farnham, Middlefield, Conn.**
**Brainerd Mfg. Co., East Rochester, N. Y.**
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
**Burgess & Norton Mfg. Co. ("Bur-Nor," "American" Screen Door Catches), Geneva, Ill.**
**Champion Hardware Co. (Also Elbow), Geneva, O.**
Corbin P. F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
**Diehl Novelty Co. ("Diehl" Screen Door), Glenbeulah, Wis.**
Dunn Mfg. Co., Mankato, Minn.
**Ellis Mfg. Co., Milldale, Conn.**
**Forg Peter Mfg. Co., Somerville, Mass.**
Frost C. L. & Son, Grand Rapids, Mich.
**Gaynor Mfg. Co., Bridgeport, Conn.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**GRAND RAPIDS BRASS CABINET & REFRIGERATOR CO.** (Kitchen Cabinet Catches Only), Grand Rapids, Mich. *See adv index at end of bo*
**Grey Iron Casting Co., Mt. Joy, Pa.**
**Hardware Supply Co. ("Frost's"), Grand Rapids, Mich.**
**Lawrence Bros. (General), Sterling, Ill.**
**McKinney Mfg. Co. (Door-Wrought Steel),** Liverpool & Metropolitan, Pittsburgh, Pa.
**Miller J. W. Co., Lancaster, Pa.**
**National Lock Co. (Cabinet), Rockford Ill.**
**Payson Mfg. Co. (Cupboard), 2918 W Jackson blvd, Chicago, Ill.**
**Peck C. A. Hardware Co., Berlin, Wis.**
**Peck, Stow & Wilcox Co., Southington Conn.**
**Penn Hardware Co., Reading, Pa.**
Reading Hardware Co. (Barn), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Schofield & Co., Freeport, Ill.
Sharon Hardware Mfg. Co. ("Sharon," All Steel, also for Screen & Storm Doors), Sharon, Pa.
Shelby Spring Hinge Co. (Steel, Brass & Bronze, Polished), Shelby, O.
Stanley Works (Screen Door), New Britain, Conn. *See adv index at end of book*
Superior Door Catch Co., Superior, Wis.
**Taylor & Boggis Foundry Co., Cleveland, Ohio**
Wagner Mfg. Co. ("Wagner," Wheel), Cedar Falls, Ia.
Watrous-Acme Mfg. Co. ("Watrous" with Positive Lock, Screen Door only), Des Moines, Ia.
Weber-Knapp Co. (For Phonograph Cabinets, Sideboards and all other Cabinets, etc), Jamestown, N. Y.
**Western Brass Mfg. Works, Marshall blvd. & W 21st, Chicago, Ill.**

## Catches (Elbow)

See also Catches, Cupboard, Screen Door, etc.

## 2210— Catches (End Gate)

**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**

## 2210a— *Catches (Pulp)

Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*

## 2211—Catches (Safety, for Mine Hoists, Skips & Cages)

**Plock A. F., Park bldg, Pittsburgh, Pa.**

## Catches (Screen Door)

**See Catches, Cupboard, Screen Door, etc.**

## 2212— Catches (Show Case)

**Dent Hardware Co. (Spring), Fullerton, Pa.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Peck, Stow & Wilcox Co., 428 E 48th, New York
**Reading Hardware Co., Reading, Pa.**
Sargent & Co., New Haven, Conn.

## 2213— Catches (Transom)

**See Catches, Cupboard, Screen Door, etc.**
**Champion Hardware Co., Geneva, O.**
**Dent Hardware Co., Fullerton, Pa.**
**Ives H. B. Co., New Haven, Conn.**
**Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.**
**Peck, Stow & Wilcox Co., Southington, Conn.**
**Penn Hardware Co., Reading, Pa.**
**Reading Hardware Co., Reading, Pa.**
**Russell & Erwin Mfg. Co., New Britain, Conn.**
**Sargent & Co., New Haven, Conn.**

## Catches (Window)

See Locks, Sash

## 2214 — Catenary Construction

Corbin P. F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.

## 2215— Cathetometers

Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.

## 2215a— Cathodes (Gold)

Baker & Co., 54 Austin, Newark, N. J.

## 2215b— Cathodes (Platinum)

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co., Platinum Wks., Malvern, Pa.

## 2216— Caustic Soda

Adams Fred C. Co., 118 S La Salle, Chicago, Ill.

CAUSTIC SODA—continued
American Chemical Co. (Powdered), 640 Carr, Cincinnati, O.
Arnold Hoffman & Co., 55 Canal, Providence, R. I.
Babbitt B. F., Inc., 15 W 34th, New York
Breslauer A. (Solid & Ground; Industrial Chemicals), Am. Nat'l Bank bldg, San Francisco, Cal.
Champion Chemical Works, 19 W Austin, Chicago, Ill.
Clark Fred. G. Co. (For Wholesale Trade Only), 1081 W 11th, Cleveland, O.
Columbia Chemical Co., Frick bldg., Pittsburgh, Pa.
Diamond Alkali Co., First Nat'l Bank bldg, Pittsburgh, Pa.
Dow Chemical Co. (76-78% solid), Midland, Mich.
Drackett P. W. & Sons Co., 5020 Spring Grove av, Cincinnati, O.
Fergusson Bros., 109 Chestnut, Phila., Pa.
Fulper Edward B., Trenton, N. J.
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin, Co., Elec. bldg., Cleveland, Ohio
Hill's Edward Sons & Co. (Agts. Mich. Alkali Co.), 61 Wall, New York
Hooker Electro Chemical Co., 40 Wall, New York. Works: Niagara Falls, N. Y.
Industrial Minerals Co., Inc., 525 Phelan bldg, San Francisco, Cal.
Isco Chemical Co. ("Isco"), 46 Cliff, New York
Johnson A. W. V., Mchts. Exchange, San Francisco, Cal.
Mathieson Alkali Works ("Eagle" & "Thistle" Brands, 70, 72, 74 & 76 per cent.), 53 Canal, Providence, R. I.
Mechling Bros. Mfg. Co. (Powdered), Camden, N. J.
Michigan Alkali Co., Ford bldg, Detroit, Mich.
Michigan Electrochemical Co., Menominee, Mich.
Miller Jas B., Finance bldg, Phila, Pa.
Myers E. Lye Co., 3d & Clard, St. Louis, Mo.
Niagara Alkali Co., Niagara Falls, N. Y.
Niagara Smelting Corp., Niagara Falls, N. Y.
Partola Mfg. Co., 160 2nd av, New York
Penn Chemical Works (Powdered & Crushed), 1332 Washington av, Phila., Pa.
Penna Salt Mfg. Co., Widener bldg, Phila., Pa.
Republic Chemical Co. (Fused 76%), Neville Island, Pittsburgh, Pa.
Riker J. L. & D. S. (mfr's agents), 19 Cedar, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
ROLLIN CHEMICAL CORP., 120 Broadway, New York
*See adv index at end of book*
Solvay Process Co., Syracuse, N. Y.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda Jno. C. & Co. (Also Caustic Lye, etc), 273 Greene, Brooklyn, N. Y.
Wing & Evans (Selling Agent), 22 William, New York
Wolf Jacques & Co. (Selling Agents), Passaic, N. J.

## 2217—*Causticizing Apparatus

ZAREMBA CO., 505 Niagara Life bldg, Buffalo, N. Y.
*See adv index at end of book*

## 2218—Ceilings (Marbleized Glass)

Denzi & Phillips, 24 Dey, New York
Mansfield & Co., 229 West, New York

## 2219— Ceilings (Sheet Steel)

American Metal Ceiling Co., 1529 Fulton, Brooklyn, N. Y.
Berger Mfg. Co., Canton, O.
Bostwick C. G., Hartford, Conn.
Boston Metal Ceiling & Mfg. Co., 27 Haymarket sq., Boston, Mass.
Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.
Brooklyn Metal Ceiling Co., 287 Greene av, Brooklyn, N. Y.
Burton W. J. Co., Junction & Federal, Detroit, Mich.
Canton Art Metal Co., Canton, O.
Canton Metal Ceiling Co. ("Art Kraft"), Canton, O.
Canton Steel Roofing Co., Canton, O.
Carter Sheet Metal Co., Omaha, Neb.
Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
Delphos Mfg. Co. ("Nustyle"), First & Pierce, Delphos, O.
Dickelman Mfg. Co., Forest, Ohio.
Dominion Metal Products Co., Roanoke, Va.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Duluth Corrugating & Roofing Co., Duluth, Minn.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Eller Mfg. Co. ("Perfect-Fit"), Canton, O.
Falcon Steel Co., Niles, Ohio
Florida Metal Products Co., Jacksonville, Fla.
Foster Sheet Metal Co., Springfield, Ill.
Frand M. J. & Co., Camden, N. J.
Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.
Gara-McGinley Co., 23 S 17th, Phila., Pa.
Garry Iron & Steel Mfg. Co. of N. Y., 819 Lincoln pl., Brooklyn, N. Y.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Hopson W. C. Co., Grand Rapids, Mich.
Indianapolis Corrugating Co., Indianapolis, Ind.
International Steel & Iron Co., Evansville, Ind.
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
Kanneberg Roofing & Ceiling Co., Canton, O.
Keighley S. Metal Ceiling & Mfg. Co., 124 3d av, Pittsburgh, Pa.
Klauer Mfg. Co., Dubuque, Ia.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co. ("Invisible Joint"), Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Covington, Ky.
New England Steel Roofing Co., Worcester, Mass.
New Orleans Roofing & Metal Co., ("Nola"), Cortez & Orleans, New Orleans, La.
New York Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
New York Metal Ceiling Co., 537-541 W 24th, New York
Norman W. F. Sheet Metal Mfg. Co. ("Hi-Art"), Nevada, Mo.
Northrop, Coburn & Dodge Co., 120 Liberty, New York
Orleans Steel Products Co., 1021 Bienville, New Orleans, La.
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
St. John & Barguist, Des Moines, Ia.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Schoedlinger F. O. ("Universal," "Lock Joint"), 142 N 3rd, Columbus, O.
Seattle Metal Ceiling Co., Seattle, Wash.
Souther E. E. Iron Co., Kienlin & Hamburger av, St. Louis, Mo.
Steel Roofing & Stamping Works (W. F. Hansen, Prop.), Des Moines, Ia.
Sykes Steel Roofing Co., 930 W 19th pl, Chicago, Ill.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Valley Cornice & Slate Co. (Ltd.), Saginaw, Mich.
Watson Jas. H. Co., Bradley, Ill.
Weirton Steel Co., Weirton, W. Va.
Wheeling Metal & Mfg. Co. (Light Diffuser), Wheeling, W. Va.
Whitaker-Glessner Co., (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 2220— Ceilings (Tile)

Gypsite Fireproofing Co. ("Gypsite"), Penobscot bldg, Detroit, Mich.

## 2221— *Celakap

Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*
HERCULES POWDER CO., Wilmington Del. *See adv index at end of book*

## 2222—Cellar Drainers (Automatic)

See also Drains, Floor

Braender Bldg. & Constr. Co., 315 4th av, New York
Chicago Pump Co. ("Little Giant" Electric Cellar Drainer & Bilge Pump), 2342 Wolfram, Chicago, Ill.
*See adv index at end of book*
Douds Frank C. & Co. (& Valve Controlled "Douds"), New Castle, Pa.
Dreher Ernest A. & Son, 142 Walnut, Newark, N. J.
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Erwin & Co. ("Perfection"), 2736 Cottage Grove av, Chicago, Ill.
Hall Mfg. Co. (C. & A. Syphon), Harrison, N. J.
KEMP C. M. MFG. CO. ("Climax"), 405 E Oliver, Baltimore, Md.
Lawler Regulator Co., 55 W Houston, New York
Newark Brass Works, 22 Lawrence. Newark, N. J.
Penberthy Injector Co., 346 Holden av, Detroit, Mich.
Wieben John Co., 2055 Lexington av, New York

## Cellar Drains

See also Drains (Cast Iron)

## 2223— Cellar Window Sets

Diehl Novelty Co., Glenbeulah, Wis.
Griffin Mfg. Co., Erie, Pa.
Ives H. B. Co., New Haven, Conn.
National Mfg. Co., Sterling, Ill.
Sharon Hardware Mfg. Co. (Wrought Steel Fixtures), Sharon, Pa.
STANLEY WORKS, New Britain, Conn.
*See adv index at end of book*

## 2224— Cellars (Cyclone)

Harry Bros. Co. ("Harry's," Corrugated Galvanized Iron), Carr & I. C. R. R., New Orleans, La.

## 2225— Cells (Electrolytic)

Braun Corp., 363 New High, Los Angeles, Cal.
Electro Chemical Co., Dayton, O.
Electrolytic Engineering Corp'n, 501 5th av, New York
Electrolytic Oxy-Hydrogen Laboratories, Inc., 15 William, New York
Electron Chemical Co., 120 Exchange, Portland, Me.
Hooker Electrochemical Co., 40 Wall, New York
Mathieson Alkali Works, Inc., Niagara Falls, N. Y.
Warner Chemical Co., 52 Vanderbilt av, New York

## 2226—Cells (Leaching or Diffusion Batteries)

Swenson Evaporator Co., 53 W Jackson blvd, Chicago, Ill.
ZAREMBA CO., 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

## 2227—Celluloid Fiberloid, Pyralin, Viscoloid & Xylonite

British-Xylonite Co. of N. Y., Inc. (Imp.), 1133 B'way, New York
Celluloid Co. (Celluloid), 36 Washington pl, New York
Fiberloid Corp., (Fiberloid), Indian Orchard, Mass.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio
Viscoloid Co., Leominster, Mass.

## 2228— Celluloid (Transparent)

Landers Bros. Co., Toledo, O.

## 2228a— Cellulose Acetate

Chemical Products Co., 93 Broad, Boston, Mass.

## 2229-30— Cement Concrete Block Facing

Ohio Marble Co. ("Pulva Alba"), Piqua, O.

## Cement Dealers

See Masons' & Builders' Materials

## 2231-6 Cement Importers

Carolina Portland Cement Co., Charleston, S. C.
Ebert Morris, 119 S 4th, Phila., Pa.
Fowler & McVitie, Galveston, Tex.
Grace W. R. & Co. (German & Belgian), 332 Pine, San Francisco, Cal.
Hammill & Gillespie, 240 Front, New York
Marquardt H. & Co. ("Stettiner S" & "Germania"), 35 S William, New York
Harrison Supply Co. ("Wonder," "Meyers," "Fix-All"; For stone works), 209 Washington, Boston, Mass.
**Meyer Wilson & Co., 454 California, San** Francisco, Cal.
Mosle H & Co., Galveston, Tex.
Parr Wm. & Co., Galveston, Tex.
Thiele E., 11 Cliff, New York
Waldo Bros. & Bond Co., 181 Congress, Boston, Mass.

## Cement Importers (Keene's)

See Cements, Keene's Imported

## 2237— Cement Mfrs.

**All** firms under this heading, **unless** otherwise marked, manufacture "Portland" Cement. One Star (*) indicates Hydraulic or Natural Cement Manufacturers. Two Stars (**) indicate "Rosendale" Cement Manufacturers
**Trade** Names or titles of Identification follow Names of firms in all cases where we have been able to secure them
**For** Cement Dealers, See Masons' & Builders' Materials

### ALABAMA.

BIRMINGHAM — *Southern Cement Co. ("Alabama" & "Magnolia" Brands)
Standard Portland Cement Co. ("Standard" Brand).
LEEDS—Standard Portland Cement Co. ("Standard" Brand)
RAGLAND—Coosa Portland Cement Co. ("Coosa" Brand), (See Phila., Pa.)

### CALIFORNIA.

CEMENT—Pacific Portland Cement Co. ("Golden Gate"). (See San Francisco)
COLTON—California Portland Cement Co. ("Colton" Brand). (See Los Angeles)
COWELL—Cowell Portland Cement Co. (See San Francisco, Cal.)
DAVENPORT—Santa Cruz Portland Cement Co. (See San Francisco, Cal.)
HALLECK—Golden State Portland Cement Co. (See Los Angeles)
LOS ANGELES—California Portland Cement Co. ("Colton" Brand). Works: Colton, Cal.
*Golden State Portland Cement Co. (Portland)
NAPA JUNCTION—Standard Portland Cement Corp'n ("Standard" Brand). (See San Francisco)
RIVERSIDE—Riverside Portland Cement Co. (See San Francisco, Cal.)
SAN FRANCISCO—Cowell Portland Cement Co. ("Mt. Diabol" Brand), 2 Market. Works: Cowell, Cal.
Old Mission Portland Cement Co., Mills bldg
Pacific Portland Cement Co. Cons'd ("Golden Gate" Brand), Pacific bldg.
Riverside Portland Cement Co. (("Riverside" Brand), Mills bldg. Works: Riverside, Cal.
Santa Cruz Portland Cement Co. ("Santa Cruz" Brand), Crocker bldg. Works: Davenport, Cal.
Standard Portland Cement Corp'n ("Standard" Brand), Crocker bldg

### COLORADO.

CONCRETE—United States Portland Cement Co. (See Denver, Colo.)
DENVER—Colorado Portland Cement Co. ("Pike's Peak" & "Ideal" Brand). Works: Portland, Colo.
Three Folks Portland Cement Co. ("Red Devil" Brand)
United States Portland Cement Co. ("Concrete" Brand). Works: Concrete, Colo.
PORTLAND—Colorado Portland Cement Co. (See Denver, Colo.)

### DELAWARE.

WILMINGTON—Du Pont Chem. Wks.

### GEORGIA.

ROCKMART — Southern States Portland Cement Co. ("Southern States" Brand)

### ILLINOIS.

CHICAGO—Chicago Portland Cement Co. ("Chicago AA" Brand), 31 N La Salle. Works: Oglesby, Ill.
De Smet Quartz Tile Co., 133 W Washington
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
La Salle Cement Co., 140 S Dearborn
Marquette Cement Mfg. Co., 140 S Dearborn
Universal Portland Cement Co. ("Universal" Portland), 208 S La Salle. Works: So. Chicago, Ill.; Buffington, Ind., & Universal, Pa.
DIXON—Sandusky Cement Co. ("Medusa" Brand), (See Cleveland, O.)
LA SALLE—La Salle Portland Cement Co. ("Owl" Brand)
Marquette Cement Mfg. Co. ("Marquette" Brand)
OGLESBY—Lehigh Portland Cement Co. (See Allentown, Pa.)
UTICA—*Utica Hydraulic Cement Co.

### INDIANA.

MITCHELL—Lehigh Portland Cement Co. ("Lehigh" Brand). (See Allentown, Pa.)
SELLERSBURG—Louisville Cement Co. (See Louisville, Ky.)
STROH—Wabash Portland Cement Co. ("Wabash" Brand). (See Detroit, Mich.)
SYRACUSE—Sandusky Cement Co. ("Medusa" Brand). (See Cleveland, O.)

### IOWA.

DES MOINES—Hawkeye Portland Cement Co. ("Hawkeye" Brand)
GILMORE CITY—Fort Dodge Portland Cement Corp. (See Fort Dodge, Ia.)
MASON CITY—Lehigh Portland Cement Co. (See Allentown, Pa.)
Northwestern States Portland Cement Co. ("Northwestern" Brand)

### KANSAS.

BONNER SPRINGS—Bonner Portland Cement Co. ("Bonner" Brand)
CHANUTE—Ash Grove Lime & Portland Cement Co. ("Ash Grove" Brand) (See Kansas City, Mo.)
FORT SCOTT—*Fort Scott Hydraulic Cement Co. ("Four Star" Brand, Hydraulic)
FREDONIA—Fredonia Portland Cement Co. ("Fredonia" Brand)
HUMBOLDT—Monarch Cement Co.
INDEPENDENCE—United Kansas Portland Cement Co. (See Iola)
Western States Portland Cement Co. ("Cowboy" Brand)
MILDRED—Great Western Portland Cement Co. (See Kansas City, Mo.)

### KENTUCKY.

KOSMOSDALE—Kosmos Portland Cement Co. ("Kosmos" Brand)
LOUISVILLE—*Louisville Cement Co. (Speed "Star" Brand, Hydraulic; "Horseshoe" Brand, of Portland, & "S. S." Brand). Works: Speeds, Ind.; P. O. Sellersburg, Ind.)

### MARYLAND.

BALTIMORE—Rockcastle Cement & Lime Co., Munsey bldg. Works: Pine Hill, Ky.
Tidewater-Portland Cement Co., Calvert bldg. Works: Union Bridge, Md.
CUMBERLAND—*Cumberland Hydraulic Cement & Mfg. Co. ("B. & H." Brand, Hydraulic)
Cumberland Portland Cement Co.
HAGERSTOWN—Security Cement & Lime Co. (Works: Security, Md.)
SECURITY—Security Cement & Lime Co. (See Hagerstown, Md.)
UNION BRIDGE—Tidewater-Portland Cement Co. (See Baltimore)

### MICHIGAN.

ALPENA—Huron Portland Cement Co. (See Detroit, Mich.)
BELLEVUE—Burt Portland Cement Co. ("Burt" Brand)
CEMENT CITY—Peninsular Portland Cement Co. ("Peninsular" Brand)
CHELSEA—Michigan Portland Cement Co. ("Michigan" Brand)
COLDWATER—Wolverine Portland Cement Co. ("Wolverine" Brand)
DETROIT—Aetna Portland Cement Co. ("Aetna"), Union Trust bldg.
Huron Portland Cement Co. ("Huron" Brand), Ford bldg. Works: Alpena, Mich.
New Egyptian Portland Cement Co., Penobscot bldg.
Wabash Portland Cement Co. ("Wabash" Brand), 1824 Ford. Works: Stroh, Ind.
Wyandotte Portland Cement Co. ("Wyandotte" Brand), Ford bldg. Works: Wyandotte, Mich. 1525 Ford bldg.
GRAND RAPIDS—Newaygo Portland Cement Co. ("Newaygo" & "Gibraltar" Brands)
CEMENT CITY—Peninsular Portland Cement Co. ("Peninsular" Brand)
NEWAYGO—Newaygo Portland Cement Co. ("Newaygo" & "Gibraltar" Brands) (See Grand Rapids, Mich.)
QUINCY—Wolverine Portland Cement Co. (See Coldwater, Mich.)
UNION CITY—Peerless Portland Cement Co. ("Peerless" Brand)
WYANDOTTE—Wyandotte Portland Cement Co. ("Wyandotte" Brand) (See Detroit, Mich.)

### MINNESOTA.

MANKATO—Carney's Cement Co.
Fowler & Pay

### MISSOURI.

CAPE GIRARDEAU—Cape Girardeau Portland Cement Co. ("Eagle" Brand)
KANSAS CITY—Ash Grove Lime & Portland Cement Co. ("Ash Grove" Brand), 7th fl Grand av Temple
Bonner Portland Cement Co. ("Bonner" Brand)
Dewey Portland Cement Co. ("Dewey" Brand), Scarritt bldg. Works: Dewey, Okla.
Great Western Portland Cement Co. ("G. W." Brand). Works: Mildred, Kan.
Lehigh Portland Cement Co., Commerce bldg.
ST. LOUIS—Continental Portland Cement Co. ("Continental" Portland), Arcade bldg
Meramec Portland Cement & Material Co., Syndicate Trust bldg
Missouri Portland Cement Co. ("K. & C." & "Red Ring"), Post Dispatch bldg
Union Sand & Material Co. ("Red Ring" & "K. & C." Brands), International Life bldg

### MONTANA.

TRIDENT—Three Forks Portland Cement Co. (See Denver, Colo.)

CEMENT MFRS.—continued

### NEW JERSEY.

ALPHA—Alpha Portland Cement Co. ("Alpha" Brand) (See Easton, Pa.)
CAMDEN—Williams Mfg. Co. ("Cyameeze" Adhesive Acid Resisting, Fireproof, High temperature, Iron, Waterproof)
NEWARK—Bath Portland Cement Co., 31 Clinton. Works: Bath, Pa.
Hetzel J. G. (Est. of), 67 Main
STEWARTSVILLE—Edison Portland Cement Co. ("Edison" Brand)
VULCANITE—(P. O. at Phillipsburg)—Vulcanite Portland Cement Co.; Main Office: Phila., Pa.

### NEW YORK.

ALBANY—Helderberg Cement Co. ("Helderberg" Brand). Works: Howes Cave, N. Y.
ALSEN—Alsen's American Portland Cement Works ("Alsen" Brand). (See N. Y. City)
BINGHAMTON—Atlas Coal & Supply Co.
CATSKILL—Acme Cement Corp.
CEMENTON—Alpha Portland Cement Co. ("Alpha" Brand) (See Easton, Pa.)
Catskill Cement Co.
GLENS FALLS—Glens Falls Portland Cement Co. ("Iron Clad" Brand)
HOWES CAVE—Helderberg Cement Co. ("Helderberg" Brand), (See Albany, N. Y.)
HUDSON—Atlas Portland Cement Co. ("Atlas"). (See New York City)
Knickerbocker Portland Cement Company, Inc. (See N. Y. C.)
ITHACA—Cayuga Cement Corp. ("Cayuga" Brand). Works: Portland Point, N. Y.
JAMESVILLE—Alpha Portland Cement Co.
Millen Portland Cement Co.
SYRACUSE—Colebrook W. H. & Sons,

### NEW YORK.

#### Borough of Brooklyn.

BROOKLYN—Stone Tar Products Co. (Plumbers), 97 S 6th

#### Boroughs of Manhattan and Bronx.

NEW YORK—Alsen's American Portland Cement Works ("Alsen" Brand), 277 B'way
Atlas Portland Cement Co. ("Atlas" & "Atlas-White"), 30 Broad
**Consolidated Rosendale Cement Co. ("Brooklyn Bridge" Brand), 50 Church. Works: Binnewater, N.Y.
Cuban Portland Cement Co., 347 Madison av
Davids Bros., Inc. (Wood), 79 Cortlandt
Knickerbocker Portland Cement Co., Inc., 30 E 42d
Pennsylvania Cement Co. ("Pensylvania" Brand), 30 E 42d. Works: Bath, Pa.
Wohlberg, Richard (Rubber & Leather), 1664 Boone av

**(End of New York City)**

PORTLAND POINT—Cayuga Cement Corporation

### OHIO.

BAY RIDGE—Sandusky Cement Co. (See Cleveland, O.)
CASTALIA—Castalia-Portland Cement Co. ("Tiger" Brand) (See Pittsburgh, Pa.)
CLEVELAND—Diamond Portland Cement Co. ('Diamond" Brand), 1313 Williamson. Works: Middle Branch, O.
Sandusky Cement Co. ("Medusa" Brand), Engineers bldg. Works, Bay Bridge, O.; York, Pa.; Syracuse, Ind. & Dixon, Ill.
IRONTON—Ironton Portland Cement Co. ("Limestone" Brand)
JACKSON—Wellston Iron Furnace Co. ("Superior")
LISBON—*Lisbon Cement Co. (Hydraulic)
MIDDLE BRANCH—Diamond Portland Cement Co. ("Diamond" Brand). (See Cleveland, O.)
SANDUSKY—Sandusky Cement Co. (See Cleveland, O.)
SUPERIOR—Wellston Iron Furnace Co ("Superior")

### OKLAHOMA.

ADA—Oklahoma Portland Cement Co. ("O. K." Brand)
DEWEY—Dewey Portland Cement Co. ("Dewey" Brand). (See Kansas City, Mo.)
HARTSHORNE—Choctow Portland Cement Co.
TULSA—Choctaw Portland Cement Co.

### OREGON.

OSWEGO—Oregon Portland Cement Co.
PORTLAND—Beaver Portland Cement Co. Works: Gold Hill, Ore.

### PENNSYLVANIA.

ALLENTOWN—Allentown Portland Cement Co. ("Allentown"); Works: Evansville, Pa.
Lehigh Portland Cement Co. ("Lehigh" Brand). Works: Ormrod Pa.; West Coplay, Pa.; Fogelsville, Pa.; New Castle, Pa.; Mason City, Iowa; Metaline Falls, Wash.; Mitchell, Ind.; Oglesby, Ill. & Iola, Kans., Fordwick, Va.
Penn-Allen Cement Co. ("Penn-Allen" Brand). Works: Nazareth, Pa.
Virginia Portland Cement Co. ("Old Dominion" Brand)
BATH—Bath Portland Cement Co. ("Bath" Brand) (See Newark, N. J.)
Pennsylvania Cement Co. ("Pennsylvania" Brand) (See New York City)
CEMENTON—Whitehall Cement Mfg. Co. ("Whitehall" Brand) (See Phila., Pa.)
COPLAY—Coplay Cement Mfg. Co. ("Saylor" Brand)
EASTON—Alpha Portland Cement Co. ("Alpha" Brand). Works: Alpha, N. J.; Cementon, N. Y.; Jamesville, N. Y.; Manheim, W. Va., & Martins Creek, Pa.
EGYPT—Giant Portland Cement Co. (See Phila., Pa.)
EVANSVILLE—Allentown Portland Cement Co. (See Allentown, Pa.)
MARTINS CREEK—Alpha Portland Cement Co. ("Alpha" Brand) (See Easton, Pa.)
NAZARETH—Dexter Portland Cement Co. ("Dexter" Brand)
Nazareth Cement Co. ("Nazareth" Brand)
Penn-Allen Cement Co. ("Penn-Allen" Brand)
*Phoenix Portland Cement Co. ("Phoenix" Portland).
NEW CASTLE—Lehigh Portland Cement Co. ("Lehigh" Brand) (See Allentown, Pa.)
NORTHAMPTON—Lawrence Portland Cement Co. ("Dragon" Brand)
Atlas Supply Co., 108 Ring
PHILADELPHIA—Coosa Portland Cement Co., N Stock, Exchange bldg
Coplay Cement Mfg. Co. ("Saylor" Brand), Widener bldg. See Coplay, Pa.
*French Samuel H. & Co. ("French"), 4th & Callowhill
Giant Portland Cement Co. ("Giant"), Penna. bldg. Works: Egypt, Pa. & Norfolk, Va.
Vulcanite Portland Cement Co. ("Vulcanite" Brand), Land Title bldg; Works: Vulcanite, N. J.
Whitehall Cement Mfg. Co. ("Whitehall" Brand), Land Title bldg; Works: Clementon, Pa.
PITTSBURGH—Castalia Portland Cement Co. ("Tiger" Brand), Publication bldg. Works: Castalia, O.
SCRANTON—Bour L. J., Refractories Co.
SIEGFRIED—Lawrence Portland Cement Co. ("Dragon" Brand) (See Northampton, Pa.)
UNIVERSAL—Universal Portland Cement Co., Mair Office, Chicago, Ill.
WAMPUM—Crescent Portland Cement Co. ("Crescent" Brand)
YORK—Sandusky Cement Co. ("Medusa" Brand) (See Cleveland, O.)
South Car.-Charleston Standard Portland Cement Co. ("Standard" Brand)

### TENNESSEE.

CHATTANOOGA—Dixie Portland Cement Co. ("Royal" Brand)
Sloan & Co.
KINGSPORT—Clinchfield Portland Cement Corp.
NASHVILLE—*Tennessee Cement & Lime Co. (Hydraulic)
RICHARD CITY—Dixie Portland Cement Co. ("Royal" Brand) (See Chattanooga)

### TEXAS.

CEMENT—Texas Portland Cement Co. ("Lone Star" Portland)
Trinity Portland Cement Co. ("Trinity" Brand)
DALLAS—Texas Portland Cement Co. ("Lone Star," Portland)
EL PASO—Southwestern Portland Cement Co. ("El Toro" Brand)
SAN ANTONIO—San Antonio Portland Cement Co. ("San Antonio" Brand)

### UTAH.

DEVILS SLIDE—Union Portland Cement Co. (See Ogden, Utah)
OGDEN—Ogden Portland Cement Co. Works: Bakers, Utah
Union Portland Cement Co. ("Red Devil" Brand). Works: Devil Slide, Utah
SALT LAKE CITY—Portland Cement Co. (of Utah) ("Utah")

### VIRGINIA.

FORDWICK—Lehigh Portland Cement Co.
NORFOLK—Giant Portland Cement Co. ("Giant" Brand) (See Phila., Pa.)

### WASHINGTON.

ASOTIN—Idaho Portland Cement Works (See Spokane, Wash.)
CONCRETE—Superior Portland Cement Co. (See Seattle, Wash.)
Washington Portland Cement Co. ("Washington" Brand). (See Seattle, Wash.)
METALINE FALLS—Lehigh Portland Cement Co.
SEATTLE—Olympia Portland Cement Co., Ltd.
Superior Portland Cement Co. ("Superior" Brand); Works: Concrete, Wash.
Washington Portland Cement Co. ("Washington" Brand). Works: Concrete, Wash.
SPOKANE—Idaho Portland Cement Works
International Portland Cement Co.

### WEST VIRGINIA.

MANHEIM—Alpha Portland Cement Co. (See Easton, Pa.)

## 2237a— Cement (Waterproof Household and Belt)

Atlas Supply Co. (Liquid Waterproof), 108 Ring, Phila., Pa.
Bitu-Mortar Waterproofing Co., 332 E 27th, New York
Du Pont Chemical Works, 120 B'way, New York
Integral Waterproofing Co., 80 Front, New York
Hydro-Bar Waterproofing Co., 328 E 23rd, New York
Williams Mfg. Co. (Waterproof), Camden, N. J.

## 2238— Cements (Acid Proof)

Anti-Hydro Waterproofing Co., 9 Orchard, Newark, N. J.
Armstrong Co., South & Post avs, Detroit, Mich.
Chemical Construction Co. ("Acipruf"), Charlotte, N. C.
Condensite Co. of Am., Bloomfield, N. J.
Empire Tire & Rubber Corp. ("Empire" Tire Repair), Trenton, N. J.
Hagstrom, Joel, Underhill av, Brooklyn, N. Y.
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Toch Bros., 320 Fifth av, New York

## 2238a— Cements (Adhesive)

National Gum & Mica Co., 59th & 11th av, New York

## 2239— Cements (Asbestos)

**Acme Asbestos Covering & Supply Co., 404 N Ada, Chicago, Ill.**
*See adv index at end of book*
Armstrong Co. ("Tharco," "Dambabbit"), South & Post av, Detroit, Mich.
Asbestos & Rubber Works of America, 58th & B'way, New York
**Atlas Co. (For Boiler Coverings), Lincoln, N. J.**
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Chicago Asbestos Mfg. Co., 1909 W 22d pl, Chicago, Ill.
Clinton Metallic Paint Co., Clinton, N. Y.
Colebrook's W. H. Sons ("Crown"), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Johns-Manville H. W. Co., Madison av & 41st, New York
Keasbey & Mattison Co. (Also Magnesia), Ambler, Pa.
King J. B. & Co. ("Keene's Windsor"), 17 State, New York
McCarron, Wm. E., 600 Milwaukee av, Chicago, Ill.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Sall Mountain Co., 305 S La Salle, Chicago, Ill
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
**UNION ASBESTOS & RUBBER CO.,** 231 S Wells, Chicago, Ill.
*See adv index at end of book*
Watson H. F. Co., Erie, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
***See adv index at end of book***
Williams Stove Lining Co., Taunton, Mass.

## 2240— Cements (Asphalt)

See also Asphalt Miners & Refiners

Alcatraz Co., Inc., 3200 Williamsburg av, **Richmond, Va.**
Aspromet Co., 1st Nat'l Bank bldg., Pittsburgh, Pa.
**Atlas Co. (Roofing), Lincoln, N. J.**
Barber Asphalt Paving Co. ("Trinidad" Lake, "Bermudez" Lake), Land Title bldg, Phila., Pa.
Byerly & Sons ("Byerlyte"), 2489 W 4th, Cleveland, O.
**Carey Philip Mfg. Co. 330 Wayne av, Lockland, Cincinnati, O.**
Certain-teed Products Corp. ("Gilsonite"), **Boatman's Bank bldg, St. Louis, Mo.**
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Standard Paint Co. ("Rub-ber-oid"), 233 B'way, New York
Standard Oil Co. of Cal. ("Petro Elastic"), **200 Bush, San Francisco, Cal.**
Texas Co. ("Texaco" for Paving), Houston, Tex., & 17 Battery pl, New York
*See adv index at end of book*
Trinidad Asphalt Mfg. Co., Title Guarantee Trust bldg, St. Louis, Mo.
Warren Bros. Co., 142 Berkeley, Boston,
Watson H. F. Co., Erie, Pa.

## 2241—Cements (Automobile Radiator)

Camden Chemical Mfg. Co. ("Greyhound"), 1800 Mickle, Camden, N. J.
Northwestern Chemical Co. ("Se-Ment-Ol"), Marietta, O.

## 2242— Cements (Bakelite)

General Bakelite Co., 2 Rector, New York

## 2243— Cements (Belt)

See also Belt Dressing

Akron Belting Co., Akron, O.
Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*
**Ambroid Company, 227 Miller av, Brooklyn, N. Y.**
Burr Oak Belting Co. ("Eternity"), 521 Livingston, Cincinnati, O.
Callahan Geo. & Co., 218 Front, New York
**Chemical & Engineering Co. ("Red Dragon" Waterproof),** Watertown, N. Y.
Chicago Belting Co., 125 N Green, Chicago, Ill.
Cook Barron C. Chemical Mfg. Co., Charlotte, N. C.
Corliss Mfg. & Supply Co. ("C. C. C."), 1906 Olive, St. Louis, Mo.
Druid Oak Belting Co., ("Primo," "Waterproof"), 111 E Lombard, Baltimore, Md.
Eagle Counter & Leather Co., 416 E 8th, Cincinnati, O.
Ellert C. H., Evansville, Ind.
Elwell B. F. Glue Co., Rockport, Mass.
G. R. Belting Co., Grand Rapids, Mich.
Graton & Knight Mfg. Co. ("Royal Worcester," "Neptune," "Monarch"), Worcester, Mass.
Hercules Powder Co., Wilmington, Del.
*See adv index at end of book*
Hudson Belting Co. ("American"; Also "Mermaid" Waterproof), 3 Eaton pl, Worcester, Mass.
Jewell Belting Co., Hartford, Conn.
Ladew E. R. Co. ("Hoyt's"), 54 Franklin, New York
Lawrence Belting Co., 111 Chambers, New York
New York Leather Belting Co. ("Victor"), 465 Kent av, Brooklyn, N. Y.
Nott W. S. Co. ("Diamond"), 2d av N & 3d, Minneapolis, Minn.
Page Belting Co., Concord, N. H.
**RANIVILLE F. CO.** ("Raniville Waterside," "Star Brand," "Raniville's Leather-to-Metal"), Grand Rapids, Mich.
Reed & Duecker ("R. & D.," "Hippo"), Memphis, Tenn.
Rhoads J. E. & Sons ("Klingfast"), 12 N 3d, Phila., Pa.
Russia Cement Co. ("Le Page's"), Gloucester, Mass.
St. Louis Rubber Cement Co., 3046 Lambdin av, St. Louis, Mo.
**Schieren Chas. A. Co., 30 Ferry, New York**
Shultz Belting Co. ('Shultz"), Fourth & Barton, St. Louis, Mo.
Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.
Ulmer Leather Co., Norwich, Conn.
Williams I. B. & Sons ("Cocheco"), Dover, N. H.

## 2244—Cements (Billiard Cue)

**Ambroid Company, 227 Miller av, Brooklyn, N. Y.**
Elwell B. F. Glue Co., Rockport, Mass.
Major Mfg. Co., 461 Pearl, New York
**Spinks Wm. A. & Co., 362 W Erie, Chicago, Ill.**

## 2245— Cements (Caen Stone)

**Cleveland Builders Supply Co. (Excelsior), Leader News bldg, Cleveland, Ohio**
**King C. Volney ("Knickerbocker"), 517 West, New York**
Revis Wm. H., Inc., (Imp.), 140 W 42d, New York

## 2246— Cements (Chrome)

Lavino E. J. & Co., Bullitt bldg., Phila., Pa.
Stowe Fuller Co., Rockfeller bldg., Cleveland, O.

## Cements (Cast Steel Filler)

See Cements, Iron & Steel Filler

## 2247— Cements (Elastic)

Armstrong Co., South & Post avs, Detroit, Mich.
**Barrett Co., 17 Battery pl, New York**
**Clark Cast Steel Cement Co. ("Clark"), Shelton, Conn.**
Clinton Metallic Paint Co., Clinton, N. Y.
Colebrook's W. H. Sons ("Crown"), Syracuse, N. Y.
**Connors Wm. Paint Mfg. Co. (Oil Roofing), Troy, N. Y.**
Doggett Stanley, 11 Cliff, New York
Federal Process Co. ("Federal"), Cleveland, O.
Goetze Gasket & Packing Co. ("Goetze"), New Brunswick, N. J.
**Kuhls H. B. Fred (Elastic Trowel),** 6413 3d av, Brooklyn, N. Y.
Minwax Co. ("Minwax"), 18 E 41st, New York
Pecora Paint Co. ("Weathertite"), 4th & Sedgley av, Philadelphia, Pa.
**Rutland Fire Clay Co. ("Rutland"),** Rutland, Vt.
Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.
Tucker Mfg. Co., 17 E 137th, New York
**U. S. Gutta Percha Paint Co. (For Chimneys, Roofs, etc.), 12-30 Dudley, Providence, R. I.**
**Webster W. F. Cement Co., Cambridge, Mass.**
Wilhelm A. Co. (Aluminum), Reading, Pa.
Wohlberg Richard, 1664 Boone av, New York

## 2248—Cements (Fire Resisting)

Bour L. J. Refractories Co., Scranton, Pa.
**BUCKEYE PRODUCTS CO.** ("Buckeye"), 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Carborundum Co., Niagara Falls, N. Y.
Gravert Wm. J., Inc., 246 Jackson ave, Long Island City, N. Y.
Clinton Metallic Paint Co., Clinton, N. Y.
Hoffman Chas. V. Co., Inc. ("Al Sio"), 95 Liberty, New York
**Howard Co. ("B," "C"), New Haven, Conn.**
Livermore Fire Brick Works, Niles, Cal.
Maurer Henry & Son, 420 E 23d, New York.
National Sales Co. (Imp.), 31 E 13th, Cincinnati, Ohio
Norton Co., Worcester, Mass.
Refractory Materials Co., 30 Church, New York
**Ross W. A. & Bro. (Imp. "Puriwachos"),** 11 S William, New York
U. S. Gypsum Co., 205 W Monroe, Chicago, Ill.

## 2249—Cements (Furnace & Stove)

**See Cements, Asbestos; also Cements, Elastic; also Putty Manufacturers, Stovemakers'**
Armstrong Co. ("Tharco" Asbestos), South & Post av, Detroit, Mich.
Buckeye Products Co. (Furnace Only), 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
**Cambria Paint & Color Co. (Ltd.) ("Hercules"), Johnstown, Pa.**
**Carey Philip Mfg. Co. (Asbestos), 330 Wayne av, Lockland, Cincinnati, O.**
Clinton Metallic Paint Co., Clinton, N. Y.
Colebrook's W. H. Sons ("Crown" Astos), Syracuse, N. Y.
**Connors Wm. Paint Mfg. Co. ("American Seal Asbesto[illegible] Y.**
Dixon Joseph Crucible Co. (For Repairing Stove & Range Linings), Jersey City, N. J.
Gravert Wm. J., Inc., 246 Jackson av, Long Island City, N. Y.
Hoffman Chas. V. Co., Inc. ("Al Sio" Furnace), 95 Liberty, New York
Howard Co., New Haven, Conn.
Johns-Manville H. W. Co., Madison av & 41st st, New York
National Sales Co., 31 E 13th, Cincinnati, Ohio
Otley Paint Mfg. Co. ("Eureka" for Jointing), 1742 N Winchester av, Chicago, Ill.
Pecora Paint Co. (Asbestos), 4th & Sedgley av, Philadelphia, Pa.
**Quigley Furnace Specialties Co. ("Hytempite" for Furnaces), 26 Cortlandt, New York**
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Tucker Mfg. Co., 17 E 137th, New York
Wainwright Jno. C. A. (Dry), Spring City, Pa.
Watson H. F. Co., Erie, Pa.
Wilhelm A. Co., Reading, Pa.
Williams Stove Lining Co. (Asbestos), Taunton, Mass.

## 2250—Cements (High Temperature)

Clinton Metallic Paint Co., Clinton, N. Y.
Hoffman Chas. V. Co., Inc., 95 Liberty, New York
Quigley Furnace Specialties Co., 26 Cortlandt, New York

## Cements (Hydraulic)

**See firms marked with a (*) under head of Cement Manufacturers**

## 2250a— Cements (Insulating)

**Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.**
Celite Products Co., 11 B'way, New York
Davis Bros., Inc., 79 Cortlandt, New York
Dominion Asbestos & Rubber Corp., 154 Nassau, New York.
*See adv index at end of book*
Johns-Manville H. W. Co., Madison av & 41st, New York

## 2251—Cements (Iron & Steel Filler)

**Baizley John Iron Works ("Three Horses" Iron Cement), 514 S Delaware av, Phila., Pa.**
Benskin Mfg. Co. (Steel), Canton, O.
Buckeye Products Co., 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
**Clark Cast Steel Cement Co. ("Clark" Cast Steel for Blow Holes, etc.), Shelton, Conn.**
**Doggett Stanley ("Fill-It"), 11 Cliff, New York.**
**Federal Foundry Supply Co., 2639 E 79th. Cleveland, O.**
**Felton, Sibley & Co., 136 N 4th, Philadelphia. Pa.**
Johns-Manville H. W. Co. ("Ferro"), Madison av & 41st New York
Lawrence W. W. & Co. ("Lawrence" Iron Filler), Pittsburgh, Pa.
Midvale Mining & Mfg. Co., Central National Bank bldg, St. Louis, Mo.
Northwestern Chemical Co. ("Norwesco"), Marietta, Ohio
Otley Paint Mfg. Co. ("Eureka" Cast Iron Filler), 1742 N Winchester av, Chicago, Ill.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
**Pittsburgh Crushed Steel Co., 61st & A. V. R. R., Pittsburgh, Pa.**
**Ryerson Joseph T. & Son, 2558 W 16th,** Chicago, Ill. *See adv index at end of book*
**Shanafelt Mfg. Co. ("X-Cel-All"), Canton, O.**
**Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.**
**Turner J. S. Mfg. Co. ("Hold Tight"), Lowell, Mass.**
**U. S. Gutta Percha Paint Co. ("Rice's" Adamant for Blowholes in Castings, Leaks in Boilers, Piping, etc), 12-30 Dudley, Providence, R. I.**
**Wilhelm A. Co. ("Stick-to"), Reading, Pa.**
Williams Mfg. Co. (Iron), Camden, N. J.

## 2252—Cements (Keene's American)

Acme Cement Plaster Co. ("Acme"), Frisco bldg, St. Louis, Mo.
Best Brothers Keene's Cement Co., Medicine Lodge, Kansas
Pacific Portland Cement Co. Cons'd, Pacific bldg, San Francisco, Cal.
United States Gypsum Co. ("Ivory"), 205 W Monroe, Chicago, Ill.

## 2253—Cements (Keene's Imported)

Fleming & Co., 253 B'way, New York
King J. B. & Co. ("J. B. White & Bros."), 17 State, New York
Miller Clifford L. & Co. ("Victoria"), 280 Madison av, New York
Revis Wm. H., Inc., 140 W 42d, New York

## 2253a— Cements (Lamp)

Dixon Joseph Crucible Co., Jersey City, N. J.

## 2254— Cement (Leather)

**Ambroid Company, 247 Miller av, B'klyn, N. Y.**
Major Mfg. Co., 46 Pearl, New York
Wohlberg Richard, 1664 Boone av, New York
Wood & Hare, 66 Leonard, New York

## 2255— Cements (Linoleum)

Atlas Supply Co., 108 Ring, Phila., Pa.
Ferdinand L. W. & Co. ("20th Century"), 154 Kneeland, Boston, Mass.
New Process Chemical Co., 39 Cortlandt, New York
**Pulsifer, Kingston Co. ("Linogrip"), 19 Eliot, Boston, Mass.**
**Wild Joseph & Co., 366 5th av, New York**

## 2256—Cements (Locomotive & Boiler Front)

Forster Paint & Mfg. Co., Winona, Minn.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Frazer Paint Co. ("Frazer's" Non-Corrosive), Hubbard & M. C. R. R., Detroit, Mich.
Otley Paint Mfg. Co. ("Eureka Joint"), 1742 N Winchester av, Chicago, Ill.
Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.
Wheeler Asahel Co. ("A-W" Steam Joint), 58 High, Boston, Mass.

## 2257— Cements (Magnesite)

Cary Philip Mfg. Co., 330 Wayne av., Lockland, Cincinnati, O.

## 2258—Cements (Non-Staining, Portland)

**Atlas Portland Cement Co. ("Atlas-White"), 30 Broad, New York**
**Sandusky Cement Co. ("Medusa Brand"), Sandusky, O.**

## 2259— Cements (Paving)

Barrett Co. (Coal Tar), 17 Battery pl, New York
Byerly & Sons ("Byerlyte"), 2489 W 4th, Cleveland, O.
Texas Company ("Texaco"), 17 Battery pl, New York
*See adv index at end of book*
**Warren Chemical & Mfg. Co., 17 Battery pl, New York**

## 2260-1— Cements (Pipe Joint)

**See also Compounds, Pipe Joints**

Arco Co., Euclid av & E 65th, Cleveland, O.
**Atlas Paint Co., Sharpsburg, Pa.**
Arlington Mfg. Co., Canton, O.
Baker W. T. ("76 Paste," "Stopa Leak"), 224 Suydam av, Jersey City, N. J.
Bostwick J. R. & H. J. ("Anti-Leak"), Clifton Springs, N. Y.
Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
Callahan Geo. & Co. ("Old Reliable"), 218 Front, New York
Clark Cast Steel Cement Co. ("Clark" Cast Steel), Shelton, Conn.
Crookston Wm. H. & Bro., 2449 3d av,
Continental Products Co., Quebec av, Cleveland, O.
**Crane Co. (Est. 1855), 836 S Michigan, Chicago, Ill.**
*For branch offices see Alphabetical Section*
Crookston Wm. H. & Bro., 2449 3d av, New York
Dicks-Pontius Co., Dayton, O.
Dixon Joseph Crucible Co. (Plumbers, Steamfitters, etc.), Jersey City, N. J.
**Doggett Stanley ("Fill-It"), 11 Cliff, New York**
Eagle Paint & Varnish Co. ("Red Rustless Cement." Graphite Cement), 225 Galveston, Pittsburgh, Pa.
Federal Process Co. ("Federal Gasoila"), Cleveland, O.
Frazer Paint Co. ("Frazer's" Non-Corrosive Pipe Joint Paste), Hubbard & M. C. R. R., Detroit, Mich.
Gloria Mfg. & Supply Co., 354 W 17th, New York
Goetze Gasket & Packing Co. ("Goetze"), New Brunswick, N. J.
Hetzel J. G. (Est. of), 67 Main, Newark, N. J.
Hinds & Coon ("Coon"), 126 Pearl, Boston, Mass.
Johns-Manville H. W. Co. ("H.-O."), Madison av & 41st, New York
**Marbleoid Co. ("Jointite"), 47 W 34th, New York**
**Modern Iron Works ("Economy"), Quincy, Ill.**
Otley Paint Mfg. Co. ("Eureka" Steam Joint, etc), 1742 N Winchester av, Chicago, Ill.
**Pacific Flush Tank Co. ("Jointite"), 4241 Ravenswood av, Chicago, Ill.**
Prier Brass Mfg. Co. ("National"), Kansas City, Mo.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.
Starbuck R. M. & Sons ("Securo"), Hartford, Conn.
Stearns F. M. & Co. ("Elasko"), Jamestown, N. Y.
**Thread-Light Company, 288 Bowery, New York**
United States Graphite Co. (Mexican Graphite), Saginaw, Mich.
Wheeler Asahel Co. ("A-W" for Steam), 58 High, Boston, Mass.
**Whitlam J. C. Mfg. Co. ("Tyte-Unyte"), Wadsworth, O.**
**Wilhelm A. Co., Reading, Pa.**
Wolverine Brass Works, Grand Rapids, Mich.

## Cements (Plumbers')

**See also Cements, Pipe Joint**

## Cements (Portland)

**See Cement Manufacturers**

**(Observe note immediately under the heading relating to Portland Cement & Hydraulic Cement)**

## Cements (Refractory)

See Cements, Fire Resisting

## 2262— Cements (Retort)

Armstrong Co. ("Tharco" Asbestos), South & Post av, Detroit, Mich.
Clinton Metallic Paint Co., Clinton, N. Y.
Colebrook's W. H. Sons ("Crown," Asbestos), Syracuse, N. Y.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
National Sales Co. (Imp.), 31 E 13th, Cincinnati, O.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
**Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.**

## 2263— Cements (Rivet)

**Otley Paint Mfg. Co. ("Eureka"), 1742 N Winchester av, Chicago, Ill.**
Pecora Paint Co. (Marine), 4th & Sedgley av, Philadelphia, Pa.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Smooth-On Mfg. Co. ("Smooth-On"), 572 Communipaw av, Jersey City, N. J.
U. S. Gutta Percha Paint Co. ("Rice's," for Hulls of Iron or Steel Vessels), 12-30 Dudley, Providence, R. I.

## 2264— Cements (Roofing)

**See also Cements, Asbestos**

Alcatraz Co., Inc. ("Blackat" & Semi-Plastic), **3200 Williamsburgh av, Richmond, Va.**
Antakwa Co. ("Roof Tight" Plastic), 133 W Washington, Chicago, Ill.
**Arlington Mfg. Co., Canton, O.**
Armstrong Co. ("Tharco" Elastic), South & Post av, Detroit, Mich.
Atlas Paint Co., Sharpsburg, Pa.
Barber Asphalt Paving Co. ("Trinidad" Lake Asphalt), Land Title bldg, Phila., Pa.
Barrett Co., 17 Battery pl, New York
**Bostwick J. R. & H. J. ("Root & Barron" Clastic), Clifton Springs, N. Y.**
**Briggs John & Co. ("Elastic," "Champion" Brand), 45 Purchase, Boston, Mass.**
Byerly & Sons ("Byerlyte"), 2489 W 4th, Cleveland, O.
**Callahan Geo. & Co., 218 Front, New York**
**Carey Philip Mfg. Co. ("Carey"), 330 Wayne av, Lockland, Concinnati, O.**
Cartier M N & Sons Co. ("Lexonite"), 289 Canal, Providence, R. I.
Certain-teed Products Corp. (Asphalt), Boatman's Bank bldg, St. Louis, Mo.
**Clinton Metallic Paint Co., Clinton, N. Y.**
Coal Tar Product Co. ("Stag" Brand), **570 Smith, Brooklyn, N. Y.**
Colebrook's W. H. Sons ("Crown" Elastic), **Syracuse, N. Y.**

Connors Wm. Paint Mfg. Co. ("American Seal" Elastic Oil), Troy, N. Y.
Continental Products Co. (Liquid & Plastic), Quebec av, Cleveland, O.
Delevan Mfg. Co., 65 Delevan, Brooklyn, N. Y.
Doggett Stanley, 11 Cliff, New York
Eagle Paint & Varnish Co. ("M. B. C."), 225 Galveston, Pittsburgh, Pa.
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa. Works, Valley Forge, Pa.
Federal Process Co. ("Federal" Elastic), Cleveland, O.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gibson-Homans Co., 2366 Woodhill rd, Cleveland, O.
Glidden Co. (Liquid), Madison av & Berea rd., Cleveland, O.
Grote Geo. W. & Co., 430 E 102nd, New York
Hascall Paint Co. ("Thermalite Plastic Roofing"), W 70th, Cleveland, O.
Heppes-Nelson Roofing Co. ("No Tar," Liquid), 4500 Fillmore, Chicago, Ill.
Hetzel J. G. (Est. of), 67 Main, Newark, N. J.
Hydro Damp-Proofing & Engineering Co., Pittsburgh, Pa.
Johns-Manville H. W. Co., Madison av & 41st, New York
Jones Paint Co. ("Stopleak" & "Liquid Stopleak"), Rome, N. Y.
Klein Mfg. Co. ("Graphilatum"), American Trust bldg, Cleveland, O.
Lucas John & Co., 322 Race, Phila., Pa.
Maire Paint Co. (Maire's Roof Cement), 329 Boston block, Minneapolis, Minn.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Monarch Paint Co. ("Seal-tite Plastic Roofing"), W 70th, Cleveland, O.
National Roofing Co., Tonawanda, N. Y.
Ohmlac Mfg. Co., 140 S Dearborn, Chicago, Ill.
Patent Vulcanite Roofing Co. ("Vulcanite"), 2256 W 49th, Chicago, Ill.
Pecora Paint Co., 4th & Sedgeley av, Philadelphia, Pa.
Republic Paint & Lead Works ("Wonderseal," "Plastic"), 5716 Euclid av, Cleveland, Ohio
Richmond Bros., 616 Main, Cincinnati, O.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Sero Specialty Co., 2860 E 84th, Cleveland, O.
Standard Paint Co. ("Rubber-oid"), ("Imp. Asbestogum"), 233 B'way, N. Y.
Standard Paint & Lead Works, Cleveland, O.
Stone Tar Products Co., 97 So. 6th, Brooklyn, N. Y.
Thompson & Co. ("Waterseal"), 857 W North av, N. S., Pittsburgh, Pa.
Trinidad Asphalt Mfg. Co. ("Epure" Trinidad Asphalt), Title Guaranty Trust bldg, St. Louis, Mo.
Tucker Mfg. Co., 17 E 137th, New York
United Roofing & Mfg. Co. ("Congo," "Congoxide"), Morris bldg, Phila., Pa.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Victor Mfg. Co. ("Victor" Elastic), Newburyport, Mass.
Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Warren Chemical & Mfg. Co., 17 Battery pl, New York
Watson H. F. Co., Erie, Pa.
Webster William F. Cement Co., Cambridge, Mass.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.
Wilhelm A. Co. ("Royal"), Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

### Cements (Rosendale)

See firms marked thus ** under head of Cement Manufacturers

### 2265— Cements (Rubber)

See also Cements, Tire

Braintree Rubber Cement Co., S. Braintree, Mass.
Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Keystone Rubber Mfg. Co., Erie, Pa.
M. & M. Mfg. Co., Akron, O.
Major Mfg. Co., 461 Pearl, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mattson Rubber Co., Lodi, N. J.
Michelin Tire Co., Milltown, N. J.
Miller Rubber Co., Akron, O.
Mulconroy Co., 54th & Jefferson, Phila., Pa.
National India Rubber Co., Bristol, R. I.
National Rubber & Specialties Co. ("Red Cross," "Anchor" Auto Tire), Winton pl, Cincinnati, O.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co., 91 Chambers, New York
Peerless Rubber Mfg. Co., 31 Warren, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Polson W. J. Co. ("W. J. Polson's"), 18th & Indian av, Kansas City, Mo.
St. Louis Rubber Cement Co. ("Bestyet" Liquid & Hard "Standard"), 3046 Lambdin av, St. Louis, Mo.
Scituate Mills, Greenbush, Mass.
U. S. Rubber Co., 1790 Broadway, New York
Van Cleef Bros., 7711 Woodlawn av, Chicago, Ill.
Wood Geo. H. Corp., 146 Summer, Boston, Mass.

### Cements (Stainless Portland)

See Cements, Non-Staining, Portland

### 2266—Cements (Stone & Emery)

Pittsburgh Crushed Steel Co., 61st & A. V R. R., Pittsburgh, Pa.

### Cements (Stove)

See Cements, Furnace & Stove; also Putty Manufacturers, Stovemakers'

### 2267— Cements (Tire)

See also Cements, Rubber

Alceme Mfg. Co. ("Kor-Ker"), 112 Bridge, Newark, N. J.
American Tire & Rubber Co. ("Five-Minute-Cure"), Akron, O.
Firestone Tire & Rubber Co. ("Firestone"), Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
Goodrich B. F. Co. ("Goodrich"), Akron, O.
Hartford Rubber Works Co., Hartford, Conn.
M. & M. Mfg. Co. ("M. & M."), Akron, O.
Michelin Tire Co. ("Mastic"), Milltown, N. J.
Tingley Chas. O. & Co., Rahway, N. J.

### 2268—Cements (White, for Mortar)

Higginson Mfg. Co. ("Higginson," for Plastering & Finishing Walls), Newburgh, N. Y.

### 2269—Cements (White Portland)

See also Cement Manufacturers: also Cements, Stainless Portland

Atlas Portland Cement Co. ("Atlas-White" Non-Staining), 30 Broad, New York
Sandusky Cement Co. ("Medusa"), Engineers bldg, Cleveland, O.

### 2270—Cemetery Care Stakes & Markers

**QUADRIGA MFG. & SPECIALTY CO.** (Bronze), 213 W Grand av, Chicago, Ill. *See adv index at end of book*

### 2271— Cemetery Railings

Anchor Post Iron Works, 167 B'way, New York. *See adv index at end of book*
Barnum E. T. (Wire & Iron Wks.), 864 Woodward, Detroit, Mich.
Cabaret Paul E. & Co., 126 11th av, New York
Dufur & Co., 311 N Howard, Baltimore, Md.
Enterprise Iron Works, Indianapolis, Ind.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Henry-Bonnard Bronze Co. (Bronze & Ornamental Iron), 20 Exchange pl, New York
Hoosier Fence Co. (Ornamental Steel Wire) Frankton, Ind.
Jackson Wm. H. Company, 2 W 47th, New York
McLean Jno., 440 Water, New York
Manhattan Brass Co., 332 E 28th, New York
Mansfield Steel Corp., 288 Milwaukee av, E Detroit, Mich.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2350-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.
Stewart Iron Works Co., Covington, Ky.

### 2272— Centering (Steel)

Blaw Steel Construction Co. (Collapsible), Hoboken, Pa.
Collapsible Joist Form Co., Finance bldg, Kansas City, Mo.
Deslauriers Column Mould Co. (Corrugated for Floor Slabs of Reinforced Concrete), 311 Chestnut, St. Paul, Minn.
Hartford Construction Iron Wks. ("O'Connor" Collapsible), Hartford, Conn.
Heltzel Steel Form & Iron Co., Warren, O.
Illinois Concrete Machine Co., Buda, Ill.
Jones W. B. Boiler Co., Streator, Ill.
Minneapolis Steel & Machy. Co., 2854 Minnehaha, Minneapolis, Minn.
Northwestern Steel & Iron Works (Sewer & Culvert Forms), Eau Claire, Wis.
Ransome Concrete Machinery Co., Dunellen, N. J.

### 2273— Centers (Bench)

Brown & Sharpe Mfg. Co., Providence, R. I.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Ready Tool Co. ("Red E"), Bridgeport, Conn.

### 2274— Centers (Car Wheel)

Commonwealth Steel Co. (Open Hearth Locomotive Driving Wheel Centres), Pierce bldg, St. Louis, Mo.
Edgewater Steel Co. (Driving), Edgewater Station & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Equipment Co. (Open-Hearth Steel Locomotive Wheel Centers & Frames), House bldg, Pittsburgh, Pa.
Pittsburgh Steel Foundry (Open Hearth Steel Locomotive Wheel Center & Frames), House bldg, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Scullin Steel Co. (Driving Wheel Centres), 6700 Manchester av, St. Louis, Mo.
Standard Steel Works Co., Morris bldg, Philadelphia, Pa.
Taylor Electric Truck Co. ("Taylor" Malleable), Troy, N. Y.
Union Steel Casting Co. (Locomotive Driving Wheel Centers & Frames), Pittsburgh, Pa.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

### 2275— Centers (Cross Strap)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

### 2276— Centers (Index)

Brown & Sharpe Mfg. Co., Providence, R. I.
Carroll Wm. & Son, 4220 Main (Norwood), Cincinnati, Ohio
Carter & Hakes Machine Co. (Plain & Half Universal), Winsted, Conn.
Cincinnati Milling Machine Co., Cincinnati, Ohio
Dickow Fred. C. ("Universal" "Dickow's"), 3504 W Lake, Chicago, Ill.
Garvin Machine Co., 147 Varick, New York
Kempsmith Mfg. Co., West Allis, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Simmons Machine Co., Inc., ("Universal" with Spiral Cutting Attachment), 987 Broadway, Albany, N. Y.
Stockbridge Machine Co., Worcester, Mass

## 2277— Centers (Lathe)

Moller Machine Co., New Rochelle, N. Y.
Morse Twist Drill & Machine Co. (Morse), New Bedford, Mass.
Ready Tool Co. ("Red E"), Bridgeport, Conn.
Stark Tool Co., Waltham, Mass.
*See adv index at end of book*

## Centers (Locomotive Driving Wheel)

See Centers, Car Wheel

## 2278— Centers (Neck Yoke)

Adams E. B. & Son ("Adams" "Safety"), Racine, Wis.
Covert Saddlery Works, Interlaken, N. Y.
Fernald Mfg. Co. (Adjustable), North East, Pa.
Imperial Bit & Snap Co., Racine, Wis.
National Neck Yoke Co. ("Pearson," "National," "Rock Island," "Shuman"), Rock Island, Ill.
Pioneer Pole & Shaft Co. ("Acme"), Piqua, O.
Racine General Mfg. Co. ("Honest John"), (Jobbers), Racine, Wis.
Reno Mfg. Co., Erie, Pa.
Studebaker Corp., South Bend, Ind.
Walton Neckyoke Centre Co., Gallatin, Mo.

## 2279— Centers (Planer)

Cincinnati Planer Co., Cincinnati, O.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Niles-Bement-Pond Co., 111 B'way, New York
Woodward & Powell Planer Co., Worcester, Mass.

## 2280—Centers (Sash & Transom)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Auer John Jr. (Wrought Iron), 197 Middleton, Brooklyn, N. Y.
Corbin P. & F., New Britain, Conn.
Detroit Works, 238 E. Larned, Detroit, Mich.
Driver C. H. & Kerr Co. (For Wood Sash), Racine, Wis.
Michigan Engine Valve Co. ("Howarth" Reversible), 115 Columbia W Detroit, Mich.
Norwalk Lock Co., South Norwalk, Conn.
Payson Mfg. Co. (Sash), 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Wrightsville Hardware Co., Wrightsville, Pa.

## 2281— Centers (Shaper)

Fay & Scott, Dexter, Me.
Gould & Eberhardt, 97 N. J. R. A. av, Newark, N. J.
Hendey Machine Co. ("Hendey"), Torrington, Conn.

## 2282— Centrifugals

See also Hydro-Extractors

American Tool & Machine Co. ("Weston," Belt Driven, Patent Water Driven & Patent Direct Connected Electrically Driven for Sugar & Chemicals, also for Laboratory or Experimental Use), 10 High, Boston, Mass.
Braun Electric Mfg. Co. ("Braun"), Canal Dover, O.
International Equipment Co., 352 Western av, Boston, Mass.
Remmers B. & Sons (Special, for Starch & Chemical Factories), 1227 Germantown, Phila., Pa.
Schaum & Uhlinger (Laboratory & By Products), N American & Glenwood av, Phila., Pa.
Squier Geo. L. Mfg. Co. ("Buffalo"), 490 Broadway, Buffalo, N. Y.
Tolhurst Machine Works, Troy, N. Y.

## 2283—Centrifugals (Nitrating)

Schaum & Uhlinger, N American & Glenwood av, Phila., Pa.
Tolhurst Machine Works, Troy, N. Y.

## 2284—Centrifugals & Mixers (Sugar)

American Laundry & Machinery Co. (Centrifugals), Cincinnati, O.
American Tool & Machine Co. ("Weston" Centrifugals), 10 High, Boston, Mass.
Blymyer Iron Works Co. ("Triumph" with Hand Power Jack), Cincinnati, O.
**BOLAND MACHINE & MFG. CO.,** 1006 Tchoupitoulas, New Orleans, La.
*See adv index at end of book*
Cresson-Morris Co. ("Morris-Weston"), Allegheny & 18th, Phila., Pa.
D'Olier Centrifugal Pump & Machinery Co., 1421 Chestnut, Phila., Pa.
Hepworth S. S. Co. ("Mackintosh" Ball Bearing), 2 Rector, New York
Krajewski-Pesant Corp., 50 Broad, New York
Mundt Chas. & Sons, 53 Fairmount av, Jersey City, N. J.
Murphy John H. Iron Works (Mixers), 643 Magazine, New Orleans, La.
Pusey & Jones Co., Poplar, Wilmington, Del.
Squier Geo. L. Mfg. Co. ("Buffalo"), 490 Broadway, Buffalo, N. Y.
Stearns-Roger Mfg. Co., Denver, Colo.
Sugar Machinery Co., Higgins bldg, Los Angeles, Cal.
Tolhurst Machine Works (Sugar Centrifugals Only), Troy, N. Y.
Von Phul Gilbert D., Hibernia Bank bldg, New Orleans, La.
Wayte W. J., Inc. (Imp), 1 Liberty, New York

## 2285— Ceresine Importers

Bromund E. A. Co., 258 B'way, New York
Scheel, Wm. H., 159 Maiden la, New York
*See adv index at end of book*
Schliemann's Oil & Ceresine Co., 25 Beaver, New York
Smith & Nichols, 121 Maiden la, New York
Salomon L. A. & Bro., 216 Pearl, New York
Strahl & Pitsch, 141 Front, New York

## 2285a— Cerium (Metallic)

Imex Corp., 23 Beaver, New York
Pfanstiehl Co., N Chicago, Ill.

## 2285b— Cerium Nitrate

Foote Mineral Co., Inc., Phila., Pa.

## 2285c— Cerium Oxalate

Mackay A. D., (U. S. P.), 130 Pearl, New York
Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.

## 2286— Cesspools

See also Drains, Floor

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
Advance Mfg. Co., Erie, Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Barber Mfg. Co., Ashtabula, O.
Barnes Mfg. Co., Mansfield, O.
Bignall Co., Medina, N. Y.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co. (Also Miscellaneous Accessories), 90 West, New York
Columbia Sanitary Mfg. Co., Louisville, Ky.
Crestline Mfg. Co. (Cast Iron), Crestline, O.
Essex Foundry, Murray, Newark, N. J.
Estabrook's R. Sons ("Estabrook" Deep Seal), 202 1st, Boston, Mass.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Foote J. B. Foundry Co., Fredericktown, O.
Frantz Mfg. Co. (Cast Iron), Sterling, Ill.
Frederick Iron & Steel Co., Frederick, Md.
Glenn Fred. E. (Bell Trap, etc), St. Charles, Ill.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Kokomo Brass Works (Brass Threaded), Kokomo, Ind.
Kupferle Jno. C. Foundry Co., 1st & Wright, St. Louis, Mo.
McDonald Foundry, Columbus, O.
Madison Foundry Co. ("Acme"), Cleveland, O.
Mechanicville Specialty Supply Mfg. Co. (Deep Seal), Mechanicville, N. Y.
Modern Iron Works (Hydrant & Strainers) (With Bell Traps, etc), Quincy, Ill.
Peck Bros. & Co., New Haven, Conn.
Rundle Mfg. Co. (Bell Trap), 27th & Wahl, Milwaukee, Wis.
Sanitary Cesspool Co. (Sanitary), 333 S 20th, Phila., Pa.
Steiger & Kerr Stove & Foundry Co., Folsom & 18th, San Francisco, Cal.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Storch & Co. ("S. & S." Caulkable), 1102 Wolf, Phila., Pa.
Swett A. L. Iron Works, Medina, N. Y.
Treaty Co. (Trakless), Greenville, O.
Union Metal Works, Chelsea, Mass.
Watertite Drain & Scupper Co. ("Anticlog"), 351 Lex. av, New York
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 2286a—*Chain (Electric Welded)

Columbus McKennon Chain Co., Columbus, O. *See adv index at end of book*

## 2287—Chain Links & Chain Punched

Alloy Steel Forging Co., Carnegie, Pa.
Bethlehem Steel Co., So. Bethlehem, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
**HENDRYX ANDREW B. CO.** (Chain Links), New Haven, Conn.
*See adv index at end of book*
Hoopes & Townsend Co., Broad & Buttonwood, Phila, Pa.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P & R Ry., Phila., Pa.
*See adv index at end of book*
Morse Chain Co., Ithaca, N. Y.
*See adv index at end of book*
New Castle Steel & Iron Co., Pittsburgh, Pa.
New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Rhode Island Tool Co., Providence, R. I.
Smith Thos. Co., Worcester, Mass.
Transue & Williams Steel Forging Corp. (Drop Forged Mining Chain Links), Alliance, O.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 2288— Chain Slings

Cleveland Chain & Mfg. Co., Penn. R. R. & Henry, Cleveland, O.
*See adv index at end of book*
**COLUMBUS McKINNON CHAIN CO.** Columbus, O. *See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Morse Chain Co., (For Cranes, etc), Ithaca, N. Y. *See adv index at end of book*
**READING CHAIN & BLOCK CORP.,** Reading, Pa.
*See adv index at end of book*
Speidel J. G., Reading, Pa.
*See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Weimer Chain & Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2288a— Chain Specialties

**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2289— Chain Stays

American Brass & Copper Co., 138 Lafayette, New York
American Pin Co. ("Ampinco" Brass) Waterbury, Conn.

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**Frost Mfg. Co., Kenosha, Wis.**
**Haydenville Co., Haydenville, Mass.**
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Hoffmann Billings Mfg. Co., 100 2d, Milwaukee, Wis.
**Mott J. L. Iron Works, Trenton, N. J.**
**Newhall Chain, Forge & Iron Co., 89 West, New York**
**Peck Bros. & Co., New Haven, Conn.**
Reid R. W., 595 Kent av, Brooklyn, N. Y.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2290— Chains (Agricultural)

**American Chain Co., Bridgeport, Conn.**
Badger Malleable & Mfg. Co., South Milwaukee, Wis.
Bridgeport Chain Co., Bridgeport, Conn.
**Carr J. B. Co., Troy, N. Y.**
**Chain Belt Co., Milwaukee, Wis.**
Chain Products Co. ("Samson" & "Bull Dog" Weldless Wire), 3924 Cooper av, Cleveland, Ohio
Cleveland Chain & Mfg. Co., Penn. R. R. & Henry, Cleveland, O.
*See adv index at end of book*
**COLUMBUS McKINNON CHAIN CO.** Columbus, O. *See adv index at end of book*
**DIAMOND CHAIN & MFG. CO.,** 502 Kentucky av, Indianapolis, Ind.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**JEFFREY MFG. CO., 961 N. Fourth, Columbus, Ohio**
*See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
**McKay Jas. Co., Pittsburgh, Pa. Works: McKees Rocks, Pa.**
**MORSE CHAIN CO.,** Ithaca, N. Y.
*See adv index at end of book*
Mundorf Chain Works, York, Pa.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Webster Mfg. Co., 4500-46 Cortland, Chicago, Ill.
*See adv index at end of book*
White Hill Chain Wks., Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*
Wyatt Thomas Mfg. Co. (Hand Made), 27 Wyatt, Providence, R. I.

## 2291— Chains (Aluminum)

**Bridgeport Chain Co., Bridgeport, Conn.**
**Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.**
**Smith & Egge Mfg. Co., Bridgeport, Conn.**

## 2291a— Chains (Anchor)

Columbus-McKinnon Chain Co. (Close & Stud Link), Columbus, O.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**INTERNATIONAL SHIP FITTINGS & SUPPLY CORP.,** 212-214 Fulton, Brooklyn, N. Y.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2292— Chains (Anti-Skid)

**American Chain Co. ("Weed"), Bridgeport, Conn.**
Chain Products Co. ("Samson"), 3924 Cooper av, Cleveland, O.
Cleveland Chain & Mfg. Co. ("Trax-Yun" Truck), Penn RR. & Henry, Cleveland, O.
Columbus-McKinnon Co., Columbus, O.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Imperial Bit & Snap Co. ("Reichert" for Auto Trucks & Pleasure Cars), Racine Wis.
**Leather Tire Goods Co., Niagara Falls, N. Y.**
Rowe Calk & Chain Co., Plantsville, Conn.
**Standley Skid Chain Co., Boon, Ia.**
Ulfers Mfg. Co. ("Bull Dog" Auto Grip), Freeport, Ill.
Unit Chain Co., Lippincott bldg., Phila., Pa.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2293—Chains (Anti-Spreader)

**American Chain Co., Bridgeport, Conn.**
**Bridgeport Chain Co., Bridgeport, Conn.**
Chain Products Co., 3924 E Cooper av, Cleveland, O.
**Columbus-McKinnon Chain Co., Columbus, O.** *See adv index at end of book*
**Krein Mfg. Co., Wapakoneta, O.**
Newhall Chain, Forge & Iron Co., 89 West, New York
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2294—Chains (Arc Lamp Suspension)

**American Chain Co., Bridgeport, Conn.**

## 2295-6—Chains (Automobile) Engine

See also Chains, Power Transmission
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**MORSE CHAIN CO.,** Ithaca, N. Y.
*See adv index at end of book*

## 2297— Chains (Awning)

Grammes L. F. & Sons, 344 Union, Allentown, Pa. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

## 2298— Chains (Band)

**Keuffel & Esser Co., Hoboken, N. J.**

## 2299— Chains (Bead)

**American Ball Chain Works, 12 Wooster, New York**
Anylite Electric Regulator Co. (Brass Pull), Fort Wayne, Ind.
**Bead Chain Mfg. Co., Bridgeport, Conn.**
Blaich Alfred Co., 1954 Clybourn av, Chicago, Ill. *See adv index at end of book*
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 2300— Chains (Bicycle)

Baldwin Chain & Mfg. Co. (Block), Worcester, Mass.
**DIAMOND CHAIN & MFG. CO.,** Indianapolis, Ind.
**Duckworth Chain & Mfg. Co., Springfield, Mass.**
Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
**MORSE CHAIN CO.,** Ithaca, N. Y.
*See adv index at end of book*
Waterbury Button Corp., 831 So Main, Waterbury, Conn.
*See adv index at end of book*
Whitney Mfg. Co., Hartford, Conn.

## 2301-2— Chains (Binder)

**See also Chains, Log**

American Chain Co., Bridgeport, Conn.
Badger Malleable & Mfg. Co., S Milwaukee, Wis.
Bridgeport Chain Co., Bridgeport, Conn.
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R. Ry., Phila., Pa.
*See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
**White Hill Chain Works, Fieldsboro, N. J.**

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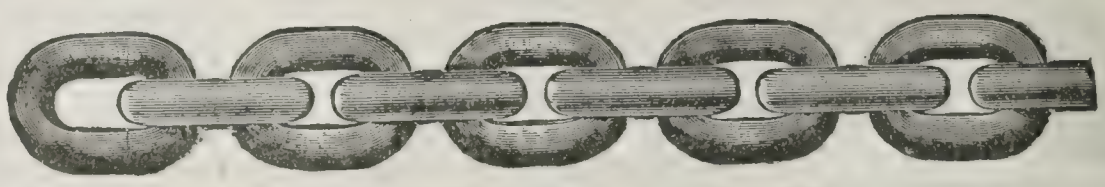

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"CC"

CHAINS (BINDER)—continued

Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

### 2303— Chains (Block)

American Chain Co., Bridgeport, Conn.
Baldwin Chain & Mfg. Co., Worcester, Mass.
**CLEVELAND CHAIN & MFG. CO.,** Penn. R. R. & Henry, Cleveland, O.
*See adv index at end of book*
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**DIAMOND CHAIN & MFG. CO.,** Indianapolis, Ind.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry., Phila., Pa.
*See adv index at end of book*
McKay Jas. Co., Pittsburgh, Pa. Works: McKees Rocks, Pa.
Monongahela Iron & Steel Co., Farmers Bank bldg, Pittsburgh, Pa.
**MORSE CHAIN CO.,** Ithaca, N. Y.
*See adv index at end of book*
Newhall Chain, Forge & Iron Co., 89 West, New York
**READING CHAIN & BLOCK CORP.,** Reading, Pa.
*See adv index at end of book*
Round D. & Son, Penn. R. R. & Henry, Cleveland, O. *See adv index at end of book*
Speidel J. G., Reading, Pa.
*See adv index at end of book*
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Whitney Mfg. Co., Hartford, Conn.
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

### 2304— Chains (Brake)

American Chain Co., Bridgeport, Conn.
Carr J. B. Co., Troy, N. Y.
Cleveland Chain & Mfg. Co., Penn. R. R. & Henry, Cleveland, O.
*See adv index at end of book*
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
McKay Jas. Co., Pittsburgh, Pa. Works: McKees Rocks, Pa.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Round D. & Son, Penn R. R. & Henry, Cleveland, O.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa. Works: Ellwood City, Pa.
Taylor Electric Truck Co., Troy, N. Y.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*
Wyatt Thos. Mfg. Co. (Hand made), 27 Wyatt, Providence, R. I.

### 2305— Chains (Brass)

Bliss A. H. & Co. (Small), North Attleboro, Mass.
Bridgeport Chain Co., Bridgeport, Conn.
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hale Bros. Co., Worcester, Mass.
**HENDRYX ANDREW B. CO.,** New Haven, Conn. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Smith & Egge Mfg. Co. (Cable), Bridgeport, Conn.
Smith Richardson Co., Attleboro, Mass.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

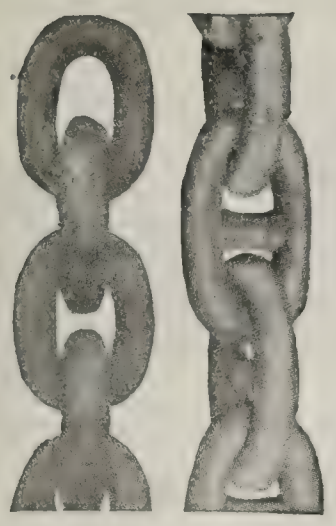
### 2306— Chains (Breast)

**See also Chains, Coil**

American Chain Co., Bridgeport, Conn.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Covert Mfg. Co. ("Yankee" New Patent), Troy, N. Y.
Covert Saddlery Works (Adjustable), Interlaken, N. Y.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
Mundorf Chain Works, York, Pa.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Schartow Mfg. Co., Milwaukee, Wis.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

### 2307— Chains (Bright)

Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*



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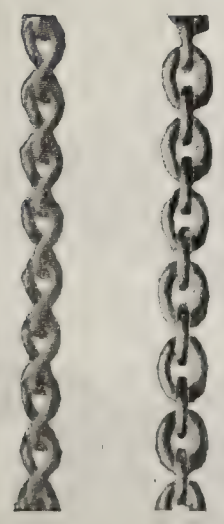

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Edgely, Bucks Co., Pa.

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CHAINS (BRIGHT)—continued
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2308— Chains (Bull)

Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**LINK-BELT CO.** ("Howe") 329 W 39th Chicago, Ill., & Hunting Park av & P. & R. R. Ry., Phila., Pa.
***See adv index at end of book***
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.

## 2308a— *Chains (Bicycle)

**MORSE CHAIN CO.,** Ithaca, N. Y.
*See adv index at end of book*

## 2309—Chains (Cable & Marine)

American Chain Co., Bridgeport, Conn.
Bradlee & Co., 726 Richmond, Phila., Pa.
Carr J. B. Co., Troy, N. Y.
**COLUMBUS McKINNON CHAIN CO.** (Close & Stud Link), Columbus, O.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**Krein Mfg. Co., Wapakoneta, O.**
Manumotors Co., Manitowoc, Wis.
Monongahela Iron & Steel Co. ("Carter" Ball Bearing), Farmers' Bank bldg, Pittsburgh, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
**Nixdorff-Krein Mfg. Co., St. Louis, Mo.**
Round D. & Son, Penn R. R. & Henry, Cleveland, O.
Smith & Egge Mfg. Co. (Cable), Bridgeport, Conn.
**UNITED STATES CHAIN & FORGING CO.** (Close & Stud Link), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
**Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.**
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*
**Wyatt Thos. Mfg. Co. (Hand Made), 27 Wyatt, Providence, R. I.**

## 2309a— Chains (Car Brake)

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2310— Chains (Car Fender)

American Chain Co., Bridgeport, Conn.
**Bridgeport Chain Co., Bridgeport, Conn.**
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**Newhall Chain, Forge & Iron Co., 89 West, New York**
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
**UNITED STATES CHAIN & FORGING CO.,** Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.

## 2311— Chains (Car Haul)

**COLUMBUS-M'KINNON CHAIN CO.,** Columbus, O.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio**
*See adv index at end of book*
**LINK-BELT CO.** (Steel), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Stephens-Adamson Mfg. Co. ("S-A" Steel), **Aurora, Ill.**
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2312— Chains (Chandelier)

American Chain Co., Bridgeport, Conn.
Atlantic Chain Corp., 73 Marion, Long Island City, N. Y.
Bliss Co., A. H., North Attleboro, Mass.
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Cryptofil Chain Co. (Chain with Concealed Wires), 140 Boylston, Boston, Mass.
Dallas Brass & Copper Co. (& Fixtures), 225 N Jefferson, Chicago, Ill.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
National Chain Co., College Point, Long Island, N. Y.
Riess Light & Fixture Co., 415 Main, Cincinnati, O.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Universal Chain Co., Stroudsburg, Pa.
Virden Co., Ashland rd & Longfellow, Cleveland, O.
Walsh Mfg. Co., O., 525 W 26th, New York
**White Jos. H. Mfg. Co., 111 N 3rd, Brooklyn, N. Y.**
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2313— Chains (Coil)

American Chain Co., Bridgeport, Conn.
**Bradlee & Co., 726 Richmond, Phila., Pa.**
Bridgeport Chain Co. ("Triumph," "Brown," "Perfection"), **Bridgeport** Conn.
Chain Products Co. ("Hodell") ("Samson," "Bull Dog"), **3924 Cooper av,** N E. Cleveland, O.


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Proof, BB and BBB grades of Coil Chain, XX Steam Shovel and Dredge Chain, Long Link Conveyor Chain for the saw mill trade, XX Special Steel Loading Chain for the lumber trade, Stud Link and Close Link Ships' Cable Chain, Special Chains of all kinds to B/P, Sketch or sample, Chains with forgings attached. Wagon Chains, Log Chains, etc.

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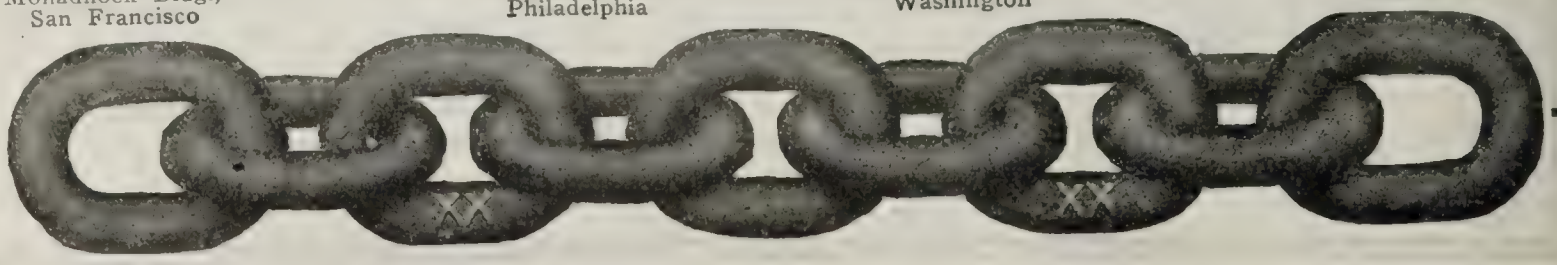

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**End Your Carrier Trouble**

Link made from 60 thousand tensile strength plate. Interchangeable Finished Steel Bushings. Turned, ground and polished Pins.

Standard Flat Link carrier and Intermediate chain.

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**CLEVELAND CHAIN & MFG. CO.**, Penn. R. R. & Henry, Cleveland, O.
*See adv index at end of book*
**COLUMBUS McKINNON CHAIN CO.** ("Common Proof," "B.B.," "B.B.B.,"), Columbus, O.
*See adv index at end of book*
Diamond Chain Co., York, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**JEFFREY MFG. CO.**, 961 N. Fourth, Columbus, Ohio
*See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
Monongahela Iron & Steel Co., Farmers Bank bldg, Pittsburgh, Pa.
Mundorf Chain Works, York, Pa.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Nixdorff-Klein Mfg. Co., 900 Howard, St. Louis, Mo.
**Oneida Chain Co., Oneida, N. Y.**
Round D. & Son, Penn. R. R. & Henry, Cleveland, O.
Speidel J. G., Reading, Pa.
*See adv index at end of book*
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
**Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.**
**UNITED STATES CHAIN & FORGING CO.** ("Proof," "B.B.," "B.B.B."), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
**White Hill Chain Works, Fieldsboro, N. J.**
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.**, Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2314— Chains (Contractors')

**CLEVELAND CHAIN & MFG. CO.**, Penn. R. R. & Henry, Cleveland, O.
*See adv index at end of book*
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, **Boston**, Mass. *See adv index at end of book*
**UNITED STATES CHAIN & FORGING CO.**, Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2315— Chains (Conveyor)

**See also Belting, Chain or Link**

Abell-Howe Co., 332 S Michigan av, Chicago, Ill.
Alvey Ferguson Co., 70 North av, Oakley, Cincinnati, O.
American Chain Co., Bridgeport, Conn.
**American Manganese Steel Co.** ("**Amsco**" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
**Alloy Steel Forging Co., Carnegie, Pa.**
Badger Malleable & Mfg. Co. (ice), S. Milwaukee, Wis.
Barber & Co., 2812 S Wabash av, Chicago, Ill.

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**Detachable Link Chain**—for general service.

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Styles and Types for All Elevating, Conveying and Power Transmission Purposes.

A Complete Line of Sprockets, Malleable and Steel Elevator Buckets, Casings, Boots, Spiral Conveyer, Etc.

***See List of Agents in Alphabetical Index, end of Book***

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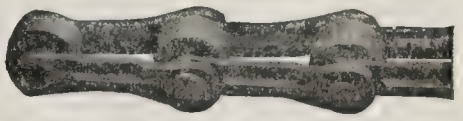
**Steel Elevator Bucket.**



**Malleable Roller Chain**—Excellent for Wood and Steel Apron Conveyer Service.

**"Peerless" Chain** for Elevator Service in gritty materials.

**Steel Thimble Roller Chain** for Heavy Duty Elevator and Conveyer Service.

**Standard Sprocket Wheel.**

CHAINS (CONVEYOR)—continued

**BARTLETT C. O. & SNOW CO.** (Malleable Drop Forged), Fall st, Cleveland, O. *See adv index at end of book*

**BOLAND MACHINE & MFG. CO.,** 1006 Tchoupitoulas, New Orleans, La. *See adv index at end of book*

**Chain Belt Co., Milwaukee, Wis.**

Cleveland Chain & Mfg. Co., Penn RR. & Henry, Cleveland, O. *See adv index at end of book*

**COLUMBUS McKINNON CHAIN CO.** (Long Link Sprocket or Log-Haul-Up), Columbus, O. *See adv index at end of book*

**Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.**

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*

Howe Chain Co., Muskegon, Mich.

**JEFFREY MFG. CO., 961 N. Fourth, Columbus, Ohio** *See adv index at end of book*

**Krein Mfg. Co., Wapakoneta, O.**

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

Locke Steel Belt Co., Bridgeport, Conn.

McKay Jas. Co., Pittsburgh, Pa.

Manumotors Co., Manitowoc, Wis.

Michigan Sprocket Chain Co., Delray, Detroit, Mich.

Newhall Chain, Forge & Iron Co., 89 West, New York

Puget Sound Machinery Depot, 318 1st av S, Seattle, Wash.

Rivetless Chain & Engng. Co. (Steel), Avon, Pa.

Stephens-Adamson Mfg. Co. (Steel), Aurora, Ill.

Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

Union Chain & Mfg. Co. (Steel), Seville, O.

Union Malleable Iron Co., East Moline, Ill.

**UNITED STATES CHAIN & FORGING CO.,** Union Arcade, Pittsburgh, Pa. *See adv index at end of book*

Webster Mfg. Co., 4500 Cortland, Chicago, Ill. *See adv index at end of book*

Weimer Chain & Iron Co., Lebanon, Pa.

**White Hill Chain Works, Fieldsboro, N. J.**

Wilmot Engineering Co. ("Keystone" Rivetless), Hazleton, Pa.

Woodhouse Chain Works, Trenton, N. J.

Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2316— Chains (Copper)

**Bridgeport Chain Co., Bridgeport, Conn.**

Chain Products Co., 3924 Cooper av, Cleveland, O.

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*

## 2317— Chains (Cow Tie)

American Chain Co., Bridgeport, Conn.

**Bridgeport Chain Co., Bridgeport, Conn.**

Chain Products Co., 3924 Cooper av, Cleveland, O.

Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*

**Krein Mfg. Co., Wapakoneta, O.**

**Mundorf Chain Works, York, Pa.**

New Castle Steel & Iron Co., Pittsburgh, Pa.

**Newhall Chain, Forge & Iron Co., 89 West, New York**

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.

Woodhouse Chain Works, Trenton, N. J.

## 2318— Chains (Crane)

American Chain Co., Bridgeport, Conn.

Bradlee & Co. ("D. B. G."), 726 Richmond, Phila., Pa.

Carr J. B. Co., Troy, N. Y.

**CLEVELAND CHAIN & MFG. CO.,** Penn R. & Henry, Cleveland, O. *See adv index at end of book*

**COLUMBUS M'KINNON CHAIN CO.** ("CC"), Columbus, O. *See adv index at end of book*

**GERDES & CO.,** 42 Church, New York. *See adv index at end of book*

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*

**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**

**Krein Mfg. Co., Wapakoneta, O.**

McKay Jas. Co., Pittsburgh, Pa. **Works:** McKees Rocks, Pa.

**New Castle Steel & Iron Co., Pittsburgh, Pa.**

**Newhall Chain, Forge & Iron Co., 89 West, New York**

Nicholson & Co., Rankin, Pa.

**READING CHAIN & BLOCK CORP.,** Reading, Pa. *See adv index at end of book*

Round D. & Son (⅛ to 2½ inch), Penn RR. & Henry, Cleveland, O.

Ryerson Joseph T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*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**UNITED STATES CHAIN & FORGING CO.,** Union Arcade, Pittsburgh, Pa. *See adv index at end of book*

Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.

**White Hill Chain Works, Fieldsboro, N. J**

Woodhouse Chain Works, Trenton, N. J.

**WOODHOUSE WM. CHAIN MFG. CO.,** Edgeley, Bucks Co., Pa. *See adv index at end of book*

**Wyatt Thomas Mfg. Co. (Hand Made), 27 Wyatt, Providence, R. I.**

## 2319—Chains (Detachable Sprocket Wheel)

Badger Malleable & Mfg. Co., S. Milwaukee, Wis.

Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*

Howe Chain Co., Muskegon, Mich.

**Jeffrey Mfg. Co., 961 N Fourth, Columbus, O.** *See adv index at end of book*

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

**Whitney Mfg. Co., Hartford, Conn.**

## 2319a—Chains (Die-Welded)

Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.

## 2320—Chains (Differential Pulley Block)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*

**Krein Mfg. Co., Wapakoneta, O.**

Newhall Chain, Forge & Iron Co., 89 West, New York

Round D. & Son, Penn RR. & Henry, Cleveland, O.

United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*

**White Hill Chain Works, Fieldsboro, N. J.**

Woodhouse Chain Works, Trenton, N. J.

Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2321— Chains (Dog Lead)

American Chain Co., Bridgeport, Conn.

Bead Chain Co., Bridgeport, Conn.

Bridgeport Chain Co. ("Triumph" & "Brown"), Bridgeport, Conn.

Buchheimer Geo. H., 1004 Rutland av, Baltimore, Md.

Chain Products Co. ("Samson" "Hodell" "Bull Dog"), 3924 Cooper av, Cleveland, O.

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*

Covert Saddlery Works, Interlaken, N. Y.

Ferree E. H. Co., Lockport, N. Y.

Hatheway Mfg. Co. ("Duplex" Reinforced), Bridgeport, Conn

**HENDRYX ANDREW B. CO.,** New Haven, Conn. *See adv index at end of book*

Krein Mfg. Co., Wapakoneta, O.

Ney Mfg. Co., Canton, Ohio

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

Parker Wire Goods Co., Worcester, Mass.

Smith & Egge Mfg. Co., Bridgeport, Conn.

Wire Goods Co., Worcester, Mass.

Woodhouse Chain Works, Trenton, N. J.

## 2322— Chains (Double Jointed)

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

Jencks E. Mfg. Co. ("Universal"), Worcester, Mass.

## 2323— Chains (Drag)

American Chain Co., Bridgeport, Conn.

Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*

Howe Chain Co., Muskegon, Mich.

**JEFFREY MFG. CO., 961 N. Fourth, Columbus, O.** *See adv index at end of book*

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry., Phila., Pa. *See adv index at end of book*

Newhall Chain, Forge & Iron Co., 89 West, New York

United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*

Ill. *See adv index at end of book*

Woodhouse Chain Works, Trenton, N. J.

Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2324— Chains (Dredge)

Alloy Steel Forging Co., Carnegie, Pa.

American Chain Co. ("Ajax," "H. B."), Bridgeport, Conn.

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.

Bradlee & Co., 726 Richmond, Phila., Pa.

Carr J. B. Co., Troy, N. Y.

**CLEVELAND CHAIN MFG. CO.,** Penn RR. & Henry, Cleveland, O. *See adv index at end of book*

**COLUMBUS McKINNON CHAIN CO.** ("CC" & Steam Shovel), Columbus, O. *See adv index at end of book*

**GERDES & CO.,** 42 Church, New York *See adv index at end of book*


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Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
**JEFFREY MFG. CO., 961 N Fourth,** Columbus, O.
***See adv index at end of book***
Lebanon Chain Works, Lebanon, Pa.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
***See adv index at end of book***
McKay Jas. Co., Pittsburgh, Pa. Works: McKees Rocks, Pa.
Mill & Mine Supply Co. ("Titan"), 317 1st, Seattle, Wash.
**New Castle Steel & Iron Co., Pittsburgh, Pa.**
Newhall Chain, Forge & Iron Co. (Branded "Warwick" & "Trident"), 89 West, New York
**Nicholson & Co., Rankin, Pa.**
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Reading Chain & Block Corp., Reading, Pa. *See adv index at end of book*
Rhode Island Tool Co. (Drop Forged Link), Providence, R. I.
**Round D. & Son, Penn RR. & Henry,** Cleveland, O.
Speidel J. G., Reading, Pa. *See adv index at end of book*
Taylor S. G. Chain Co. (Steam Shovel), 140 S Dearborn, Chicago, Ill.
**UNITED STATES CHAIN & FORGING CO.** ("Old Reliable") Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Samuel, Cleveland, O.
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2324a— Chains (Drive)

**DIAMOND CHAIN & MFG. CO.,** Indianapolis, Ind.
Howe Chain Co., Muskegon, Mich.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**MORSE CHAIN CO.,** Ithaca, N. Y. *See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2325— Chains (Elevator)

Alloy Steel Forging Co., Carnegie, Pa.
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
American Chain Co., Bridgeport, Conn.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Baldwin Chain & Mfg. Co., Worcester, Mass.
Baldwin Chain Mfg. Co., Worcester, Mass.
Bridgeport Chain Co., Bridgeport, Conn.
Chain Belt Co., Milwaukee, Wis.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich.
Hoopes & Townsend Co. (Drop Forged), Broad & Buttonwood, Phila., Pa.
**JEFFREY MFG. CO.,** 961 N Fourth, **Columbus, O.**
***See adv index at end of book***
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
***See adv index at end of book***
McKay Jas. Co., Pittsburgh, Pa. Works: McKees Rocks, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Rhode Island Tool Co. (Drop Forged Link), Providence, R. I.
Speidel J. G., Reading, Pa. *See adv index at end of book*
**UNITED STATES CHAIN & FORGING CO.,** Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Wilmot Engineering Co. ("Keystone" Rivetless), Hazleton, Pa.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2325a— Chains (Fence)

**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2326— Chains (Fire Hydrant)

Bridgeport Chain Co., Bridgeport, Conn.
Cleveland Chain & Mfg. Co., Penn RR. & Henry, Cleveland, O. *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.

## 2326a— Chains (Fire Welded)

**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2327— Chains (Fish Net)

United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*

## 2328— Chains (Flower Pot)

**HENDRYX ANDREW B. CO.,** New Haven, Conn. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 2329— Chains (Furnace)

Chain Products Co., 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2329a— Chains (Galvanized)

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2330—Chains (Galvanized Pump)

Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, N E, Cleveland, O.
Cleveland Chain & Mfg. Co., Penn RR. & Henry, Cleveland, O. *See adv index at end of book*
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Niagara Falls Metal Stamping Works (Also Galvanized Coil Chains, etc), Niagara Falls, N. Y.
**BOEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works Trenton & Roebling, N. J.**
*See adv index at end of book*
Schriver O. P. & Co. ("L. X. L."), 621 E. **Pearl, Cincinnati, O.**
Woodhouse Chain Works, Trenton, N. J.

## 2331—Chains (Gear Link Drive)

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
***See adv index at end of book***
**MORSE CHAIN CO.,** Ithaca, N. Y. *See adv index at end of book*
Union Malleable Iron Co. ("Heald's" Patent), East Moline, Ill.
Whitney Mfg. Co., Hartford, Conn.

## 2332— Chains (German Coil)

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*

## 2333— Chains (Halter)

American Chain Co., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Cleveland Chain & Mfg. Co., Penn RR. & Henry, Cleveland, O. *See adv index at end of book*
Columbus McKinnon Chain Co., **Columbus,** O. *See adv index at end of book*
**Covert Mfg. Co., Troy, N. Y.**
**Covert Saddlery Works, Interlaken, N. Y.**
Diamond Chain Co., York, Pa.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**Krein Mfg. Co., Wapakoneta, O.**
**Mundorf Chain Works, York, Pa.**
**Newhall Chain, Forge & Iron Co., 89 West, New York**
**Niagara Falls Metal Stamping Works,** Niagara Falls, N. Y.
Oneida Chain Co., Oneida, N. Y.
Sargent & Co., New Haven, Conn.
**Smith & Egge Mfg. Co., Bridgeport, Conn.**
Woodhouse Chain Works, Trenton, N. J.

## 2334— Chains (Hame)

American Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**Kelsay Newton, Evansville, Ind.**
**Niagara Falls Metal Stamping Works** ("Premax," "Dodson," & "Zenith," "Looplever"), Niagara Falls, N. Y.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2335— Chains (Hammock)

American Chain Co., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Chain Products Co. ("Bulldog"), 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Covert Mfg. Co., Troy, N. Y.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Niagara Falls Metal Stamping Works Niagara Falls, N. Y.
Oneida Chain Co., Oneida, N. Y.
Woodhouse Wm. Chain Mfg. Co. (Welded) Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2336— Chains (Hand Made)

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2337— Chains (Harness)

American Chain Co., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, Pa.
Cleveland Chain & Mfg. Co., Penn RR & Henry, Cleveland, O. *See adv index at end of book*

CHAINS (HARNESS)—continued

**COLUMBUS McKINNON CHAIN CO.,** Columbus, O. *See adv index at end of book*
Diamond Chain Co., York, Pa.
**Hobbs** Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
Newhall Chain, Forge & Iron Co., 89 West, New York
**Niagara** Falls Metal Stamping Works (Harness Chain Sets), Niagara Falls, N. Y.
Nixon-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Starr W. C. & Son Co., Indianapolis, Ind.
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2338— Chains (Heel)

Chain Products Co., 3924 Cooper av, Cleveland, O.
**Columbus** McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**Hobbs** Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.**
**Schartow Mfg. Co, Milwaukee, Wis**
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2339—Chains (High Speed, Silent Running)

Abell-Howe Co., 332 S Michigan av, Chicago, Ill.
American High Speed Chain Co., 401 S Illinois, Indianapolis, Ind.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
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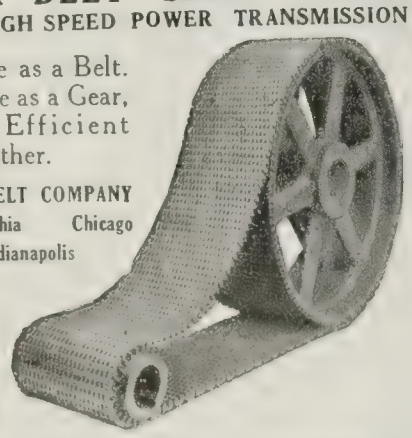

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**MORSE CHAIN CO.** ("Morse"), Ithaca, N. Y. *See adv index at end of book*
Whitney Mfg. Co. ("Whitney"), Hartford, Conn.

## 2340—Chains (Hitching or Mine Car)

American Chain Co., Bridgeport, Conn.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
New Castle Steel & Iron Co., Pittsburgh, Pa.
**Newhall Chain, Forge & Iron Co., 89 West, New York**
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
**Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.**
*See adv index at end of book*

## 2341— Chains (Hog)

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Lanz M. Sons, 2907 Carson, Pittsburgh, Pa.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Wendt Albert H., 456 E 2d, Cincinnati, O.

## 2342— Chains (Hog Scraper)

**LINK-BELT CO.** (Steel), 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry, Phila, Pa.
*See adv index at end of book*

## 2343— Chains (Hoist)

American Chain Co., Bridgeport, Conn.
Cleveland Chain & Mfg. Co., Penn RR. & Henry, Cleveland, O.
*See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**HOBBS CLINTON E. CO.,** 37 Pearl, Boston, Mass.
*See adv index at end of book*
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Newhall Chain, Forge & Iron Co. (Branded "Warwick" & "Trident"), 89 West, New York
Ryerson Joseph T. & Son, 910 Corn Exchange bldg, 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Speidel J G., Reading, Pa.
*See adv index at end of book*
**UNITED STATES CHAIN & FORGING CO.** ("Old Reliable," "XX"), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
**White Hill Chain Works, Fieldsboro, N. J.**
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2343a—*Chains & Buckets (Malleable)

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 2343b—Chains and Hooks (Tourniquet)

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## Chains (Ice Elevator)

See Chains, Conveyor

## 2344— Chains (Jack)

See also Chains, Safety

Acme Manufacturing Co., Waterbury, Conn.
American Brass & Copper Co., 138 Lafayette, New York
Chain Products Co. (Single & Double), 3924 Cooper av, Cleveland, O.
Corbin Screw Corporation (Iron & Brass, Single or Double), New Britain, Conn.


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**Hale Bros. Co., Worcester, Mass.**
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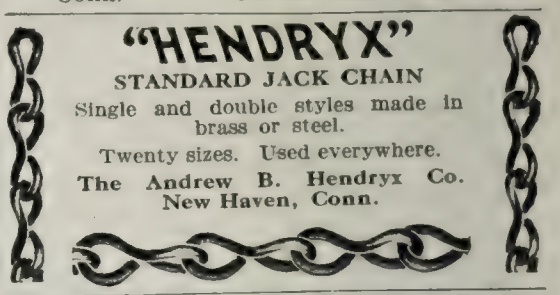



Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
**Mattatuck Mfg. Co., Waterbury, Conn.**
Parker Wire Goods Co. (Brass & Iron), Worcester, Mass.
Plume & Atwood Mfg. Co. (Brass & Iron), Waterbury, Conn.
Smith & Egge Mfg. Co. (Brass & Iron), Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Brass Goods Corp., Waterbury, Conn.
Wire Goods Co., Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

## Chains (Kennel)

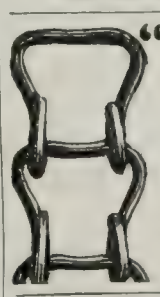
See Chains, Dog Lead

## 2345— Chains (Key)

Acme Mfg. Co., Waterbury, Conn.
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
Ames Sword Co., Chicopee, Mass.
Atwater S. I. ("Good Luck"), 101 Lafayette, New York
Bead Chain Mfg. Co.
Boettiger Louis A. Co., 48 Leonard, New York
Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co. ("Bulldog" & "Hodell"), 3924 Cooper av, Cleveland, O.
Corbin Screw Corporation, New Britain, Conn.
Ferree E. H. Co., Lockport, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hatheway Mfg. Co. ("Duplex"), Bridgeport, Conn.
**HENDRYX, ANDREW B. CO.,** New Haven, Conn.
*See adv index at end of book*
Niagara Falls Metal Stamping Works ("Premax" & "Expansion"), Niagara Falls, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Conn.

## 2346-7— Chains (Ladder)

Corbin Screw Corporation, New Britain, Conn.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Hendryx Andrew B. Co., New Haven, Conn.
*See adv index at end of book*

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## 2348—*Chains ("Link-Belt" Silent)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv on next page*

## 2349— Chains (Loading)

**CENTRAL TRADING & EXPORT CO., INC.** (Genuine Swedish & Domestic), Whitney Central bldg, New Orleans, La. *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
United States Chain & Forging Co. ("S X."), Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa. *See adv index at end of book*
Woodward, Wight & Co., Ltd. ("Strength & Wear"), Howard av & Constance, New Orleans, La.

## 2350— Chains (Log)

Allis-Chalmers Mfg. Co., Milwaukee, Wis
**Carr J. B. Co., Troy, N. Y.**
Cleveland Chain & Mfg. Co., Penn. R. R. & Henry, Cleveland, O. *See adv index at end of book*
**Columbus McKinnon Chain Co., Columbus, O.** *See adv index at end of book*
**Diamond Iron Works (Log or Cable Haul Up), 2nd & 18th av, N, Minneapolis, Minn.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
McKay Jas. Co., Pittsburgh, Pa. Works: McKees Rocks, Pa.
**Michigan Sprocket Chain Co., Delray, Detroit, Mich.**
Mundorf Chain Works (Coil & Long Link), York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Nicholson & Co., Rankin, Pa.
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Round D. & Son, Penn. R. R. & Henry, Cleveland, O. *See adv index at end of book*
**Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.**
United States Chain & Forging Co. (Ring & Hook), Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2350a- Chains (Log Haul-Up)

See also Chains, Rafting

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*

## 2351—Chains (Loom, Friction)

American Chain Co., Bridgeport, Conn.
Chain Products Co. ("Hodell"), 3924 Cooper av, Cleveland, O.

## 2352— Chains (Machine)

Cleveland Chain & Mfg. Co., Penn. R. R. & Henry, Cleveland, O. *See adv index at end of book*
**Columbus McKinnon Chain Co., Columbus, O.** *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.

## 2353— Chains (Machinery)

**Baldwin Chain & Mfg. Co., Worcester, Mass.**
Bridgeport Chain Co., Bridgeport, Conn.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**DIAMOND CHAIN & MFG. CO.,** 502 Kentucky av, Indianapolis, Ind.
Duckworth Chain & Mfg. Co., Springfield, Mass.
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
**HOBBS CLINTON E. CO.,** 37 Pearl, Boston, Mass. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
**Morse Chain Co., Ithaca, N. Y** *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
**White Hill Chain Works, Fieldsboro, N. J.**
Whitney Mfg. Co., Hartford, Conn.

## 2354— *Chains (Manganese)

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
**Taylor-Wharton Iron & Steel Co. (Steel), High Bridge, N. J.**

## 2355— Chains (Marine)

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2356—Chains (Mining Machine)

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**DIAMOND CHAIN & MFG. CO.,** 502 Kentucky Av, Indianapolis, Ind.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Prox Frank Co. (Hardened Steel), Terre Haute, Ind.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa. *See adv index at end of book*

## 2357—*Chains (Motorcycle)

**DIAMOND CHAIN & MFG. CO.,** Indianapolis, Ind.

## 2358—*Chains (Noiseless Belt Drive)

**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

## 2359— Chains (Padlock)

**Bridgeport Chain Co., Bridgeport, Conn.**
Chain Products Co. ("Bulldog" & "Hodell"), 3924 Cooper av, Cleveland, O.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*

## 2360— Chains (Pipe Hanger)

**American Chain Co., Bridgeport, Conn.**
Chain Products Co. ("Bulldog"), 3924 Cooper av, Cleveland, O.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*

## 2361— Chains (Plumbers')

See also Chains, Jack

Acme Mfg. Co., Waterbury, Conn.
American Brass & Copper Co., 138 Lafayette, New York
Bead Chain Mfg. Co., Bridgeport, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Corbin Screw Corporation, New Britain, Conn.
Glauber M. & Co., 103 Varick, New York
Hatheway Mfg. Co. ("Duplex"), Bridgeport, Conn.
Hendryx Andrew B. Co., New Haven, Conn. *See adv index at end of book*

**"HENDRYX"**
**Standard Steel and Brass PLUMBERS CHAIN**
Made of flat metal and solid links to run over pulleys or rollers. Adapted for plumbers use.
*Manufactured by*
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Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Jencks E. Mfg. Co. ("Universal" Double Jointed), Worcester, Mass.
Mattatuck Mfg. Co., Waterbury, Conn.
Parker Wire Goods Co., Worcester, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Rome Mfg. Co., Rome, N. Y.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Smith & Egge Mfg Co., Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterbury Brass Goods Corporation, Waterbury, Conn.
Wire Goods Co., Worcester, Mass.

## 2362— Chains (Porch Swing)

**American Chain Co., Bridgeport, Conn.**
Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Ney Mfg. Co., Canton, Ohio
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*

## 2363— Chains (Pot)

**HENDRYX ANDREW B. CO.,** (Flower Pot), New Haven, Conn. *See adv index at end of book*
Parker Wire Goods Co., Worceser, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co. ("King's-2-Ring"), Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Woods-Sherwood Co. ("Sensible," "King," 2 Ring and 2 Ring Glove, etc), Worcester, Mass.

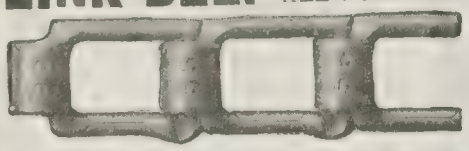
## 2364—Chains (Power Transmission)

American High Speed Chain Co. (High Speed Silent), 401 S Illinois, Indianapolis, Ind.
Badger Malleable & Mfg. Co., S Milwaukee, Wis.
Baldwin Chain & Mfg. Co. ("Baldwin," Drive), Worcester, Mass.
**BOLAND MACHINE & MFG. CO.,** 1006 Tchoupitoulas, New Orleans, La. *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**DIAMOND CHAIN & MFG. CO.,** Indianapolis, Ind.
Duckworth Chain & Mfg. Co., Springfield, Mass.

CHAINS (POWER TRANSMISSION)—continued

Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
**HOBBS CLINTON E. CO.,** 37 Pearl, Boston, Mass. *See adv index at end of book*
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
**LINK-BELT COMPANY** ("Link-Belt" Silent, High Speed), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*


**LINK-BELT** CHAINS FOR ALL PURPOSES



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**Offices in Principal Cities**


Michigan Sprocket Chain Co. (Riveted Drive), Delray, Detroit, Mich.
**MORSE CHAIN CO.** ("Morse" High Speed, Silent Running), Ithaca, N. Y.
*See adv index at end of book*
Newhall Chain, Forge & Iron Co. (Automobile), 89 West, New York
Philadelphia Gear Works, East Vine, Phila., Pa.
Rhode Island Tool Co. (Drop Forged Link), Providence, R. I.
Pioneer Mfg. Co. ("Sealtite"), Cleveland, O.
Union Chain & Mfg. Co. (Stamped Steel), Seville, O.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Whitney Mfg. Co. (Silent Type), Hartford, Conn.

## 2364a— Chains (Proof Coil)

**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## Chains (Pump)

See Chains, Galvanized Pump

## 2364b— Chains (Quarry)

**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2365— *Chains (Racking)

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*

## 2366— Chains (Rafting)

**American Chain Co., Bridgeport, Conn.**
Carr J. B. Co., Troy, N. Y.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**Krein Mfg. Co., Wapakoneta, O.**
**Newhall Chain, Forge & Iron Co., 89 West, New York**
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
**White Hill Chain Works, Fieldsboro, N. J.**
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2367— Chains (Railroad)

American Chain Co., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Carr J. B. Co., Troy, N. Y.
Chain Products Co., 3924 Cooper av, Cleveland, O.
**COLUMBUS McKINNON CHAIN CO.,** Columbus, O.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Newhall Chain, Forge & Iron Co., 89 West, New York
O'Leary Arthur J. & Sons Co. (Crossing & Switch), 65th & S 57th av, Chicago, Ill.
Round D. & Son, Penn. R. R. & Henry, Cleveland, O.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
**White Hill Chain Works, Fieldsboro, N. J.**
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*
Wyatt Thomas Mfg. Co. (Hand Made), 27 Wyatt, Providence, R. I.

## 2368— Chains (Rivetless)

Cross Engng. Co. ("Simplex"), Carbondale, Pa.
Wilmot Engng. Co. ("Keystone"), Hazleton, Pa.

## 2368a— Chains (Roller)

See also Chains, Steel Bushed Roller

Abell-Howe Co., 332 S Michigan av, Chicago, Ill.
**DIAMOND CHAIN & MFG. CO.,** Indianapolis, Ind.
Spaulding Chain Corp. ("Spaulding"), Bloomfield, N. J.

## 2369— Chains (Roofing)

New Castle Steel & Iron Co., Pittsburgh, Pa.

## 2370— Chains (Safety)

**See also Chains, Jack; also Chains, Plumbers'**

Acme Mfg. Co., Waterbury, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Corbin Screw Corporation, New Britain, Conn.
Hendryx Andrew B. Co., New Haven, Conn.
*See adv index at end of book*

**"HENDRYX"**
**Standard Steel and Brass**
**SAFETY CHAIN**
for electrician's and plumber's use. Desirable for window sashes. Especially adapted for furnace connections.
*Manufactured by*
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**New Haven, Conn.**

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
Mattatuck Mfg. Co., Waterbury, Conn.
Parker Wire Goods Co., Worcester, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Sala Co. ("Service," Double Unit), Canton Ohio
**Smith & Egge Mfg. Co., Bridgeport, Conn.**
Steel Car Forge Co., Pittsburgh, Pa.; Works: Elwood City, Pa.
Turner & Seymour Mfg. Co., Torrington, Conn.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Waterbury Brass Goods Corporation, Waterbury, Conn.
White Hill Chain Works, Fieldboro, N. J.
Wire Goods Co., Worcester, Mass.
**WOODHOUSE WM. CHAIN MFG. CO.,** (for Safety Zones for Street Use), Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2371— Chains (Sash)

Acme Mfg. Co., Waterbury, Conn.
American Chain Co. (Weldless, "American"), Bridgeport, Conn.
Atlantic Co., 470 17th, Brooklyn, N. Y.
Bridgeport Chain Co. ("Monarch," "Bronze," "Bridgeport" Steel), Bridgeport, Conn.
Chain Products Co. ("Hodell"), 3924 Cooper av, Cleveland, O.
Connecticut Chain Co., 236 Middle, Bridgeport, Conn.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Jencks E. Mfg. Co. ("Universal" Double Jointed), Worcester, Mass.
Morton Thomas (Bronze & Steel Cable), 245 Center, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Parker Wire Goods Co. ("Eureka"), Worcester, Mass.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Smith & Egge Mfg. Co. ("Giant," "Red Metal"), Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Wire Goods Co., Worcester, Mass.
Zogg Nicholas ("Standard"), 226 E 144th, New York

## 2372— Chains (Ship)

American Standard Shipfittings Corp., 115 B'way, New York
*See adv index at end of book*
**COLUMBUS McKINNON CHAIN CO.,** Columbus, O.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2373— Chains (Sign)

Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
*See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.

## 2373a— Chains (Silent)

**MORSE CHAIN CO.** (Rocker Joint), Ithaca, N. Y. *See adv index at end of book*

## Chains (Sling)

See Chain Slings

## 2374— Chains (Spreader)

Badger Malleable & Mfg. Co., So. Milwaukee, Wis.
Bridgeport Chain Co., Bridgeport, Conn.
Chain Belt Co., Milwaukee, Wis.
Chain Products Co. ("Bulldog"), 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Lebanon Chain Works, Lebanon, Pa.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Mundorf Chain Works, York, Pa.
Newhill Chain, Forge & Iron Co., 89 West, New York.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*

## 2375—Chains (Sprocket Wheel)

American Chain Co., Bridgeport, Conn.
Badger Malleable & Mfg. Co. (Detachable), South Milwaukee, Wis.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Boston Gear Works, Quincy, Mass.
*See adv index at end of book*
Bridgeport Chain Co., Bridgeport, Conn.
Chain Belt Co., Milwaukee, Wis.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**DIAMOND CHAIN & MFG. CO.,** Indianapolis, Ind.
Duckworth Chain & Mfg. Co., Springfield, Mass.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Hendryx Andrew B. Co., New Haven, Conn. *See adv index at end of book*

**"HENDRYX"**
**SPROCKET CHAIN**
of brass or steel is adaptable to all light drives.
requiring accuracy of pitch
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**The Andrew B. Hendryx Co.**
**New Haven, Conn.**

Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Lebanon Chain Works, Lebanon, Pa.
Link Chain Co. ("Arrow" Detachable), Williamsport, Pa.
Locke Steel Belt Co., Bridgeport, Conn.
Manumotors Co., Manitowoc, Wis.
Michigan Sprocket Chain Co., Delray, Detroit, Mich.
**MORSE CHAIN CO.,** Ithaca, N. Y.
*See adv index at end of book*
Newhall Chain, Forge & Iron Co., 89 West, New York
Nicholson & Co. (Hand Made), Rankin, Pa.
Round D. & Son, Penn. R. R. & Henry, Cleveland, O.
Spaulding Chain Corp. ("Spaulding") Bloomfield, N. J.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Union Chain & Mfg. Co., Seville, O.
**WEBSTER MFG. CO.,** 4500 Cortland, Chicago, Ill. *See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Whitney Mfg. Co., Hartford, Conn.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## Chains (Stay)

See Chains, Wagon

## 2376– Chains (Steam Shovel)

See also Chains, Dredge
**COLUMBUS McKINNON CHAIN CO.** ("Hercules" Solid Weld), Columbus, O.
*See adv index at end of book*
**GERDES & CO.,** 42 Church, New York
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
United States Chain & Forging Co. ("Old Reliable," "X. X."), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2376a— Chains (Steel)

Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

## 2377—Chains (Steel Bushed Roller)

Baldwin Chain & Mfg. Co., Worcester, Mass.
**BOLAND MACHINE & MFG. CO.** "Boland" all steel Roller), 1006 Tchoupitoulas, New Orleans, La.
*See adv index at end of book*
Chain Belt Co., Milwaukee, Wis.
**DIAMOND CHAIN & MFG. CO.,** 502 Kentucky Av, Indianapolis, Ind.
Dow Wire & Iron Works, Louisville, Ky.
Howe Chain Co., Muskegon, Mich.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Jones, W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Michigan Sprocket Chain Co., Delry, Detroit, Mich.
Union Chain & Mfg. Co., Seville, Ohio
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Whitney Mfg. Co. (Detachable or Riveted), Hartford, Conn.

## 2378— Chains (Stone)

Carr J. B. Co., Troy, N. Y.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R Ry, Phila., Pa. *See adv index at end of book*
Newhall Chain, Forge & Iron Co., 89 West, New York
Pollard Jos. G. (Fitted with Steel Hooks), 141 Raymond, Brooklyn, N. Y.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Weimer Chain & Iron Co., Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2379— Chains (Stone Conveyor)

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

## 2379a—Chains (Straight & Twisted Link)

**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2380— Chains (Stud Link)

American Chain Co., Bridgeport, Conn.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Newhall Chain, Forge & Iron Co., 89 West, New York
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2381— Chains (Tie Out)

American Chain Co., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Ney Mfg. Co., Canton, Ohio
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
**Oneida Chain Co., Oneida, N. Y.**
Woodhouse Chain Works, Trenton, N. J.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2381a— Chains (To Sample)

**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2382— Chains (Trace)

American Chain Co. ("El-Wel-Tra"), Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Carr J. B. Co., Troy, N. Y.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Imperial Bit & Snap Co., Racine, Wis.
Krein Mfg. Co., Wapakoneta, O.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Round D. & Son, Penn R. R. & Henry, Cleveland, O.
Starr W. C. & Son Co., Indianapolis, Ind.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2382a— Chains (Tractor)

Baldwin Chain & Mfg. Co., Worcester, Mass.
**DIAMOND CHAIN & MFG. CO.,** 502 Kentucky av, Indianapolis, Ind.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
*See adv index at end of book*
Link-Belt Co., 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Rowe Calk & Chain Co. ("Prest-O-Grip") Plantsville, Conn.
Whitney Mfg. Co., Hartford, Conn.

## 2383— Chains (Transfer)

**BARTLETT C. O. & SNOW CO.,** Fall, Cleveland, O.
*See adv index at end of book*
Chain Products Co., 3924 Cooper av, Cleveland, O.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
**Michigan Sprocket Chain Co., Delray, Detroit, Mich.**
Moline Malleable Iron Co., St. Charles, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

## 2383a— Chains (Transmission)

**DIAMOND CHAIN & MFG. CO.,** 502 Kentucky Av, Indianapolis, Ind.
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Howe Chain Co., Muskegon, Mich. (Power Transmission)
Link-Belt Co., 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Spaulding Chain Corp. ("Spaulding"), Bloomfield, N. J.
Whitney Mfg. Co., Hartford, Conn.

## 2384— Chains (Transom)

Bridgeport Chain Co., Bridgeport, Conn.
Champion Hardware Co., Geneva, O.
Corbin P. & F., New Britain, Conn.
**HENDRYX ANDREW B. CO.,** New Haven, Conn. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Ives H. B. Co., New Haven, Conn.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
**STANLEY WORKS,** New Britain, Conn.
*See adv index at end of book*

## 2385—Chains (Twisted-Link Coil)

**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2386— Chains (Wagon)

Chain Products Co. ("Bulldog"), 3924 Cooper av, Cleveland, O.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Starr W. C. & Son Co., Indianapolis, Ind.
United States Chain & Forging Co. (Stud Link), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., (Tailboard) Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2387— Chains (Welded)

American Chain Co., Bridgeport, Conn.
Blanche A. C. Co., 116 S. Michigan Av Chicago, Ill.
*See adv index at end of book*
Cleveland Chain & Mfg. Co., Cleveland, O.
**HOBBS CLINTON E. CO.,** 37 Pearl, Boston, Mass.
*See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Newhall Chain Forge & Iron Co., 90 West, New York
Rowe Calk & Chain Co. ("Diamond Quality") Plantsville, Conn.
Speidel J. G., Reading, Pa.
*See adv index at end of book*
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2388—Chains (Weldless Steel Wire)

American Chain Co., Bridgeport, Conn.
Bridgeport Chain Co. ("Triumph," "Perfection"), Bridgeport, Conn.
Chain Products Co., Cleveland, Ohio

## 2389— Chains (Well)

See also Chains, Galvanized Pump

American Chain Co., Bridgeport, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
**COLUMBUS McKINNON CHAIN CO.,** Columbus, O.
*See adv index at end of book*
Garland Mfg. Co. (Also Swing), 1st Nat'l Bank bldg., W. Pittsburgh, Pa.
Krein Mfg. Co., Wapakoneta, O.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
**ROEBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2390— Chains (Windmill)

Bridgeport Chain Co., Bridgeport, Conn.
Chain Products Co. ("Bulldog"), 3924 Cooper av, Cleveland, O.
**COLUMBUS McKINNON CHAIN CO.,** Columbus, O.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass.
*See adv index at end of book*
Krein Mfg. Co., Wapakoneta, O.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.

## 2391— Chains (Wrecking)

American Chain Co., Bridgeport, Conn.
Carr J. B. Co., Troy, N. Y.
**COLUMBUS McKINNON CHAIN CO.,** Columbus, O. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Hobbs Clinton E. Co., 37 Pearl, Boston, Mass. *See adv index at end of book*
Lebanon Chain Works, Lebanon, Pa.
Mundorf Chain Works, York, Pa.
Newhall Chain, Forge & Iron Co., 89 West, New York
Round D. & Son, Penn R. R. & Heenry, Cleveland, O.
Taylor S. G. Chain Co., 140 S Dearborn, Chicago, Ill.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Weimer Chain & Iron Co. (Hand Made), Lebanon, Pa.
White Hill Chain Works, Fieldsboro, N. J.
Woodhouse Chain Works, Trenton, N. J.
Woodhouse Wm. Chain Mfg. Co., Edgely, Bucks Co., Pa.
*See adv index at end of book*

## 2391a—Chains (Wrought Iron)

Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa.
*See adv index at end of book*
Weimer Chain & Iron Co., Lebanon, Pa.
**WOODHOUSE WM. CHAIN MFG. CO.,** Edgely, Bucks Co., Pa.
*See adv index at end of book*

## Chair Cane

See Rattan & Reed Manufacturers

## 2392— Chairs (Barbers')

Archer Mfg. Co., Rochester, N. Y.
Barker Jas., 6th & Cayuga, Phila., Pa.
Hanson Louis Co., 1500 N Kostner av, Chicago, Ill.
Koken Barbers' Supply Co., St. Louis, Mo.
Undeland A. L., Omaha, Neb.

## Chairs (Bootblack)

See Chairs, Shoe Shining

## Chairs (Cast Iron)

See Fountains, Vases, Etc.; also Settees & Chairs, Iron

## 2393—Chairs (Combination Step Ladder)

Austell Swing & Ladder Co. ("Miller"), Austell, Ga.
Bent S. & Bros., Gardner, Mass.
Clark J. R. Co., 2nd av N & Aldrich, Minneapolis, Minn.
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Holmquist & Co., 2814 W. 26th, Chicago, Ill.
Independent Chair Co., 32 Pitts, Boston, Mass.
Kauffman Mfg. Co., Ashland, O.
Lattimer W. H. & Sons, Orwell, N. Y.
Lewisburg Chair Co., Lewisburg, Pa.
Nichols & Stone Co., Gardner, Mass.
Penn Swing & Ladder Co., Lancaster, Pa.
Steinfeld Bros., 116 W 32d, New York
Stokes Wm. A. & Co., 50 Howard, New York
Udell Works, Indianapolis, Ind.
Waite Chair Co., Baldwinsville, Mass.

## 2394— Chairs (Dental)

Archer Mfg. Co., Rochester, N. Y.
Harvard Co., Canton, O.
Ritter Dental Mfg. Co. ("Ritter"), Rochester, N. Y.
White S. S. Dental Mfg. Co., 211 S. 12th, Phila, Pa.

## 2395— Chairs (Folding)

Art Bedstead Co. (Bed Folding), 37th & Rockwell, Chicago, Ill.
Burrowes E. T. Co. ("Burrowes Feather Weight"), Portland, Me.
Chicago Wire Chair Co. (Metal Frame), 619 N La Salle av, Chicago, Ill.
Crocker Chair Co., Sheboygan, Wis.
Curtiss Bros. (Camp), Richland, N. Y.
Fold Easy House Mfg. Co., McClure, Pa.
Ford-Johnson Chair Co., 801 S. Wabash av, Chicago, Ill.
Fox Geo. S. (Camp), 137 N. 6th, Phila., Pa.
Harrison B. J. Mfg. Co. (Camp), Arkville, N. Y.
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.
Harwood's H. J. Sons, 107 Friend, Boston, Mass.
Hettrick Mfg. Co. (Canvas), Toledo, O.
Hincher Mfg. Co., Washington, Ind.
Imperial Bit & Snap Co. (Steel Auto), Racine, Wis.
Kalamazoo Sled Co., Kalamazoo, Mich.
Lattimer W. H. & Sons (Canvas), Orwell, N. Y.
Peabody School Furniture Co., North Manchester, Ind.
Phoenix Chair Co., Sheboygan, Wis.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Premier Chair Corp. ("Premier" Convertible), 36 Bromfield, Boston, Mass.
Readsboro Chair Co. (& Tables), Readsboro, Vt.
Simmons Co., Kenosha, Wis.
Standard Mfg. Co., Cambridge City, Ind.
Steinfeld Bros. (Also Folding Hammock Swinging Chairs), 116 W 32nd, New York
Stevens Chair Co. (Adjustable), 209 7th, Pittsburgh, Pa.
Sun Mfg. Co. (Camp & Lawn), Columbus, Ohio

## 2396— Chairs (Invalid)

See also Chairs, Reclining

Am. Nat'l Co., Toledo, Ohio
Bernstein Mfg. Co. (Metal Reclining & Rolling, etc.), 3rd & Allegheny, Phila. Pa.
Bloch Go-Cart Co., 1136 N American, Phila., Pa.
Bomgardner Mfg. Co., 1384 Hird av, Cleveland, O.
Ford-Johnson Chair Co. ("Curtis"), 801 S. Wabash, Chicago, Ill.
Gendron Wheel Co. ("Gendron"), Toledo, O.
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.
Kalamazoo Sled Co. (Rocking & Reclining), Kalamazoo, Mich
Colson Co. ("Worthington"), Elyria, O.
Premier Chair Corp. ("Premier" Convertible), 36 Bromfield, Boston, Mass.
Sargent Mfg. Co., Muskegon, Mich.
Toledo Metal Wheel Co., Toledo, Ohio

## 2396a—Chairs (Iron and Canvas)

Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.

## 2396b—*Chairs (Lunchroom & Cafeteria)

McLean W. B. Mfg. Co. ("Snug"), 729 Herron av, Pittsburgh, Pa.
Vitrolite Co., Chamber of Commerce bldg, Chicago, Ill. *See adv index at end of book*

## 2397— Chairs (Metal)

Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Buffalo Metal Furniture Mfg. Co., Buffalo, N. Y.
Celina Specialty Co., Celina, O.
Chicago Wire Chair Co. (Chairs, Tables, Stools, etc.), 619 N La Salle av, Chicago, Ill.
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
Ford-Johnson Chair Co. (Wire Chairs & Tables), 801 S. Wabash, Chicago, Ill.
Manufacturing Equipment & Engineering Co. ("Meeco" Chairs, Stools, Tables, etc.), Framingham, Mass.
Royal Metal Mfg. Co. (Metal Chairs, Tables & Stools of Twisted Metal), 2318 S Western av, Chicago, Ill.

## 2398— Chairs (Pipe)

General Fire Extinguisher Co., Providence, R. I.

## 2399— Chairs (Rail)

Columbiana Boiler Co., Columbiana, O.
Lorain Steel Co. (Drop Forged, Used Under Shallow Girder or Tee Rails in Paved Streets), Johnstown, Pa.
Morden Frog & Crossing Works (Head Chairs), 208 S La Salle, Chicago, Ill.

Pettibone, Mulliken & Co. (Sampson Head Chairs), 140 S Dearborn, Chicago, Ill.
Q & C. Co., 90 West, New York
Weir Frog Co., Cincinnati, O.
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

## Chairs (Rattan)

See Furniture, Rattan & Reed

## 2400— Chairs (Reclining)

See also Chairs, Invalid

Bernstein Mfg. Co. (Self-Propelling), 3rd & Allegheny, Phila., Pa.
Ford-Johnson Chair Co. ("Curtis"), 801 S. Wabash av, Chicago, Ill.
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.
Hubbard Eldredge & Miller, Rochester, N. Y.
Kalamazoo Sled Co., Kalamazoo, Mich.
Lee Chair Co., Oneida, N. Y.
Phoenix Chair Co., Sheboygan, Wis.
Premier Chair Corp. ("Premier" Convertible), 36 Bromfield, Boston, Mass.
Royal Chair Co., Sturgis, Mich.
Sargent Mfg. Co., Muskegon, Mich.
Scarritt-Comstock Furniture Corp., 817 Washington av, St. Louis, Mo.
Steinfeld Bros. (Porch Comfort, also Swinging), 116 W 32nd, New York
Stevens Chair Co., 209 7th, Pittsburgh, Pa.

## 2401-2— Chairs (Revolving)

Bent S. & Bros., Gardner, Mass.
Bodenstein & Kuemmerle, Lawrence & Girard, Phila., Pa.
Cleveland Fixture Co., 1305 E. 40th, Cleveland, O.
Closterman H., Atlas Bk. bldg, Cincinnati, O.
Columbus Aseptic Furniture Co., Columbus, Ohio
Cook C. A. Co. ("Quality" Office & Typewriter), Cambridge, Mass.
Crocker Chair Co., Sheboygan, Wis.
Crown Chair Co., Evansville, Ind.
Culler Furniture Co., Williamsport, Pa.
Davis Chair Co. (Office & Typewriter), Marysville, O.
De Frehn W. & Sons, Johnstown, Pa.
Dunn Jno. A. Co., Gardner, Mass.
Ehlers Robert J. Co., 110 W. 40th, New York
Fort Smith Chair Co., Fort Smith, Ark.
Greenwood Associates, Gardner, Mass.
Gunlocke W. H. Chair Co., Wayland, N. Y.
Hale Co., 14 State, New York
Hartwig & Kemper, 405 W. Barre, Baltimore, Md.
Heywood Bros. & Wakefield, Gardner, Mass.
Hubbard, Eldredge & Miller, Rochester, N. Y.
Karpen S. & Bros., 900 S Mich., Chicago, Ill.
Kohn Jacob & Josef, 507 W 26th, New York
Logeman F. H. Chair Mfg. Co., 10th & Mullanphy, St. Louis, Mo.
Marble B. L. Chair Co., Bedford, O.
Marble & Shattuck Chair Co., 96 Foster, Cleveland, Ohio.
Marietta Chair Co., Marietta, O.
Milwaukee Chair Co., 3022 Center, Milwaukee, Wis.
Murphy Chair Co. (Office), D. G. H. & M. Jct., Detroit, Mich.
Ott L. W. Mfg. Co., Indianapolis, Ind.
Phoenix Chair Co., Sheboygan, Wis.
Pierce S. K. & Son, Gardner, Mass.
Poughkeepsie Chair Co., Poughkeepsie, N. Y.
Retting Furniture Co., Grand Rapids, Mich.
Rossell Bros. & Co., 255 S 3d, Phila., Pa.
Royal Metal Mfg. Co., 2318 S Western av, Chicago, Ill.
Sikes Co., 23d & Passyk. av, Phila., Pa.
Sikes Consolidated Chair Co., 30 E 42d, New York
Southern Chair Co., High Point, N. C.
Suitt Bros. Mfg. Co., Cambridge, O.
Taylor Chair Co. (Office), Bedford, O.
Thonet Bros., 43 W 36th, New York
Toledo Metal Furniture Co. (Typewriter), Toledo, O.
Tonk Mfg. Co., 1960 Lewis, Chicago, Ill.
Union City Chair Co., Union City, Pa.
Webster Mfg. Co., Superior, Wis.
White River Chair Co., Brattleboro, Vt.

## 2403— Chairs (Shoe Shining)

Archer Mfg. Co., Rochester, N. Y.
Buffalo Metal Furniture Mfg. Co. ("Universal"), Buffalo, N. Y.

## 2404— Chairs (Steamer)

See also Chairs, Reclining

Dillingham Mfg. Co., Sheboygan, Wis.
Harrison B. J. Mfg. Co., Arkville, N. Y.
Hartwig & Kemper, 405 W Barre, Baltimore, Md.
Heywood Bros & Wakefield Co., Gardner, Mass.
Mahoney E. H. Chair Co., Gardner, Mass.
Phoenix Chair Co., Sheboygan, Wis.
Readsboro Chair Co., Readsboro, Vt.
Sun Mfg. Co., Columbus, O.

## Chairs (Steel)

See Stools, Steel Factory & Office

## Chairs (Step Ladder)

See Chairs, Combination Step Ladder

## 2405— Chalk (Billiard)

American Crayon Co. (White & Colored, "Diamond," "Eureka"), 1300 Hayes av, Sandusky, O.
Spinks Wm. A. & Co., 362 W Erie, Chicago, Ill. *See adv index at end of book*

**The Only Manufacturers of Cue Tips in America**

WILLIAM A. SPINKS & CO.

*manufacturers of*

**Spinks' Chalk and Tips**

**Jobbers of Billiard Merchandise**

**WASCO Trade Mark**

**362 W. Erie Street Chicago, Ill.**

## 2406— Chalk (Bowling)

American Crayon Co. (Hand & Foot), 1300 Hayes av, Sandusky, O.

## 2407-8— Chalk (Carpenters')

American Crayon Co., 1300 Hayes av, Sandusky, O.

## 2409— Chalk Mfrs.

American Crayon Co. (Carpenters', Bowling & Billiard), 1300 Hayes av, Sandusky, O., & Waltham, Mass.
Binney & Smith Co. (All Kinds), 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Higman Jno. W. Co. (In Bulk, Imp.), 29 B'way, New York.
McKesson & Robbins (Imp), 91 Fulton, New York
Palmer Lowell M. Chemical Co., 78 Beekman, New York
Stickney, Tirrell & Co. (Importers), 31 Milk, Boston, Mass.
Taintor H. F. Mfg. Co. (Imp), 2 Rector, New York. Works: Bayonne, N. J.
Thomas Mfg. Co. (Prepared), 117 W Camden, Baltimore, Md.

## 2410— Chalk (Precipitated)

Chrystal Chas. B. (Imp English), 13 Cliff, New York. *See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Dunn & Kruse (Imp), 63 Park Row, New York
**HARSHAW, FULLER & GOODWIN CO.,** Elec. bldg, Cleveland, O.
Hillier's R. Son Co. (Imp), 100 William, New York
Industrial Chemical Co. (Extra Light, Light & Heavy Grades), 200 5th av, New York
Knappmann Wm. & Co., Grand, Brooklyn, N. Y.
Lathrop H. R. & Co., 116 Beekman, New York
National Aniline & Chemical Co., Inc. ("Sturgie" English), 21 Burling Slip, New York
Palmer Lowell M. Chemical Co., 78 Beekman, New York
Product Sales Co., 32 S Calvert, Baltimore, Md.
Thomas Mfg. Co. (English), 117 W Camden, Baltimore, Md.
Whittaker Clark & Daniels, Inc. (Imp), 50 Front, New York

## 2411—Chalk & Masons' Lines

Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Brownell Co., Moodus, Conn.
Draper W. H. & Sons. (Also Fish Lines), Troy, N. Y.
Gladding B. F. & Co. Also Cotton, Linen & Silk Fish Lines), S Otselic, N. Y.
Lees Mfg. Co. ("Favorite"), Westport, Conn.
Samson Cordage Works, 88 Broad, Boston, Mass.
Silver Lake Co. ("Silver Lake"), Newtonville, Mass.
Tennessee Line & Twine Co., Elizabethton, Tenn.
Turner & Stanton Co., Norwich, Conn.

## 2412— Chambers (Air)

Anylite Electric Regulator Co., Fort Wayne, Ind.
Buckeye Iron & Brass Works, Dayton, O.
Hamilton Copper & Brass Works, Hamilton, Ohio.
Hercules Float Wks ("Hercules" Seamless Copper), 200 Franklin, Springfield, Mass.
Naugatuck Mfg. Co. (Seamless Copper), Naugatuck, Conn.
Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

## Chambers (Vacuum Drying)

See Vacuum Drying & Impregnating Apparatus

## 2413— Chamois Importers

American Silk Mfg. Co. (Raw & Pure White Silk), 4341 Orchard, Phila., Pa.
Bloch Joseph, 51 Cliff, New York.
Blum R, 108 Pearl, Boston, Mass.
Burk W. B. & Co., 6th & Arch, Phila., Pa.
Carbondale Sponge Co., 89 Fulton, New York
Drueding Bros. Co., 5th & Master, Phila., Pa.
Fuchs Max Co., 244 Pearl, New York
Greek-American Sponge Co., 300 W Randolph, Chicago, Ill.
Isaacs A. & Co., 58 Beekman, New York
Lampel F. L. (Imported), 315 Locust, St. Louis, Mo.
Lasker & Bernstein ("Red Seal"), 161 William, New York
Leousi, Clonney & Co., 39 Walker, New York
Moses A. Sons & Co., 47 Ann, New York
Nassau Sponge Co. (Skins), 234 W Lake, Chicago, Ill.
National Sponge & Chamois Co., 158 William, New York
Niehaus Jos. Co., 341 W 4th, Cincinnati, O.
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.
White Son Co., 540 Atlantic av, Boston, Mass.
Young Richard Co., 36 Spruce, New York

**Hendricks' Commercial Register**

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

INTERNATIONAL SHIP FITTINGS & SUPPLY CORPORATION

**Ship Stores, Hawse Reels, Boiler Compound**
**Anchors, Chains, Heavy Hardware**

Warehouse and Office: 212-214 FULTON STREET, BROOKLYN, N. Y.

Phones: Main 3774—Main 2704

**SHIP CHANDLERY**

## 2413a— Chandlery (Ship)

**AMERICAN STANDARD SHIPFITTINGS CORP.**, 115 B'way, New York
*See adv index at end of book*
**INTERNATIONAL SHIP FITTINGS & SUPPLY CORP.**, 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Marine Equipment Co., Norfolk, Va.
Reyner J. & Son, Inc., Newport News, Va.
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Thacher Propeller & Foundry Corp., Albany, N. Y.
Upson Walton Co., 1294 W 11th, Cleveland, Ohio
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.
Woodward, Wight & Co., Ltd., Howard av & Constance, New Orleans, La.

### Changers (Lamp)

See Replacers, Incandescent Lamp

## 2414-15— Changers (Pole)

Cameron Appliance Co., 48 Waters av, Everett, Mass.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Warner Electric Co., Muncie, Ind.

## 2416— Chaplets (Foundry)

See also Foundry Facings & Supplies
Angell Nail & Chaplet Co., 2657 E. 79th, Cleveland, O.
Burdick & Son (Core), Albany, N. Y.
Cheney S. & Son ("Erie" Grey Iron), Manlius, N. Y.
Cleveland Chaplet & Mfg. Co., 1197 W. 67th, N. W. Cleveland, O.
Combined Supply & Equipment Co. ("Angle Stem"), 766-772 Grant, Buffalo, N. Y.
Crescent Brass & Pin Co., 1150 Trumbull, Detroit, Mich.
Fanner Mfg. Co. (Radiator, Wrought Iron, etc), Cleveland, O.
**GEM MFG. CO.**, Goebel nr Fulton, N S. Pittsburgh, Pa.
*See adv index at end of book*

CHAPLETS (Foundry)
GEM GUARANTEE GOOD
GEM MFG. CO., Pittsburgh, Pa.

**HILL & GRIFFITH CO.** ("Haskins" Ventilated, "Peerless" Perforated, 1248 State av, Cincinnati, O. & Birmingham, Ala., Chicago, Ill. & Pittsburgh, Pa. *See adv index at end of book*
Hohlfelder F. Co., 1197 W. 67th, Cleveland, O.
Lindsay Chaplet & Mfg. Co. ("Lindsay"), Harrison bldg, Phila., Pa.
Lovejoy C. H. Chaplet Co., Cambridge, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
One Piece Chaplet Works, 3327 Ludlow, Phila., Pa.
Patent Specialty Supply Co., Shushan, N. Y.
Pawtucket Mfg. Co., Pawtucket, R. I.
Philadelphia Chaplet & Mfg. Co., School la & P & R Ry, Wiss, Phila., Pa.
Pratt Chuck Co., Frankport, N. Y.
Shanafelt Mfg. Co., Canton, O.
United States Chaplet & Supply Co. (Tin Shell, Wrought Iron, Hinge Tubes, etc), 140 Cedar, New York

## 2417— Chaplets (Radiator)

Crescent Brass & Pin Co. (Double Head Chaplets), 1150 Trumbull, Detroit, Mich.
Pratt Chuck Co., Frankport, N. Y.

## 2418— Char Filters & Kiln

Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Joubert & Goslin Machine & Fdry. Co., Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Steacy-Schmidt Mfg. Co., York, Pa.
Wood R. D. & Co. ("Charcoal Filters").

## 2419— Charcoal

Alabama Charcoal Co., Kansas City, Mo.
Ballard J. W. Co., Binghamton, N. Y.
Barnitz Geo. A., York, Pa.
Bell & Gossett (Leather), 609 W. 30th, Chicago, Ill.
Berger Bros., 1186 Cherry av, Chicago, Ill.
Boyne City Chemical Co., Boyne City, Mich.
Buckannon Chemical Co., Olean, N. Y.
Cadillac Chemical Co. (Retort), Cadillac, Mich.
Charcoal Supply Co. (Lump, Granulated & Powdered), 1186 Cherry av, Chicago, Ill.
Chatham Mfg. Co., Savannah, Ga.
Chemical Charcoal Co. (Chemical), 195 Fillmore av, Buffalo, N. Y.
Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Clifford Bros., Ft. Wayne, Ind.
Cliffs Chemical Co., Goodman, Wis.
Coryville Chemical Co., Bradford, Pa.
Covey Durham Co. (Wholesale), 431 S Dearborn, Chicago, Ill.
Cummer-Diggins Co. (Retort), Cadillac, Mich.
Day Chemical Co., Westline, Pa.
Doggett Stanley (Powdered), 11 Cliff, New York
du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Eastwood Chemical Co., Belleville, N. J.
Florida Wood Products Co., Jacksonville, Fla.
Forest Products Co., 1212 Whitney, New Orleans, La.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Industrial Chemical Co. (Powdered & Granulated), 200 5th av, New York
James Mfg. Co., Kane, Pa.
Keery Thos. Co., Hancock, N. Y.
Kingsport Wood Reduction Co., Kingsport, Tenn.
Lewis Run Mfg. Co., Bradford, Pa.
Long Island Charcoal Co., 212 24th, Brooklyn, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
MacKellar's R. Sons Co. (Powdered & Granulated), Peekskill, N. Y.
Manufacturers' Charcoal Co., Bradford, Pa.
Marvindale Chemical Co., Bradford, Pa.
Maryland Wood Products Co., Bradford, Pa.
Maskek Chemical & Iron Co., Wells, Mich.
Mitchell-Diggins Iron Co., Cadillac, Mich.
Mt. Hope Chemical Charcoal Works, Mt. Hope, Pa.
Newman E. B. Charcoal Co. (Lump Pulverized & Granulated), 548 W 25th. New York
Newton Chemical Co., Olean, N. Y.
Noble Electric Steel Co., 995 Market, San Francisco, Cal.
Norwich Chemical Co., Crosby, Pa.
Nusbaum Chemical Co., Bradford, Pa.
Oswayo Chemical Co., Bradford, Pa.
Pacific Guano & Fertilizer Co., 343 Sansome, San Francisco, Cal.
Perry-Hanna Mercantile Co., Beaty, Ark.
Phipps Charcoal Co. (Lump, Granulated & Powdered or Pulverized Hardwood), Ironton, Ohio
Rasmussen Charcoal & Fuel Co, St. Paul, Minn.
Rowand John R. (Re-carbonized, Pulverized & Granulated), Clementon, N. J.
Russell Chemical Co. (Ltd.), Russell, Pa.
Smith A. B. Chemical Co., Buffalo, N. Y.
Smith Oscar & Son (Chemical), Albany, N. Y.
Springfield Facing Co. (In Every Form), Springfield, Mass.
*See adv index at end of book*
Standard Charcoal Co., Bradford, Pa.
Sullivan Chemical Co., Acidalia, N. Y.
Union Charcoal Co., Straight, Pa.
Weirton Steel Co., Weirton, W. Va.
Wiarda John C. & Co. (Powdered), 273 Greene, Brooklyn, N. Y.
Wittig F. & Co. (Lump, Granulated & Powdered), 36th & Greenfield av, Milwaukee, Wis.
Wright T. B. & Co. (Granulated & Pulverized), Mariners' & Merchants' bldg, Phila., Pa.
Wyman Chemical Co. (Chemical), Port Allegheny, Pa.

## 2419a— Charcoal (Animal)

Baugh & Sons Co., 20 S. Delaware av, Phila., Pa.

## 2420— Charcoal (Bone)

Baugh & Sons Co. (Animal Charcoal), 20 S. Delaware av, Phila., Pa.
Binney & Smith Co., 81 Fulton, New York
Empire Carbon Works, 415 Locust, St. Louis, Mo.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Seaver & Co., 120 Milk, Boston, Mass.

## 2421—Charging Sets (Automobile)

Dayton Electrical Mfg. Co. ("Dayton"), Dayton, O.

**GENERAL ELECTRIC CO.** (Arc Rectifier), Schenectady, N. Y.
*See adv index at end of book*
Lincoln Electric Co., Cleveland, O.
Richardson Engineering & Mfg. Co., Hartford, Conn.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 2421a—Charging Sets (Storage Battery)

Auth Elec'l Spec. Co., 422 E. 53rd, New York
Beacon Rectifier, Inc., Hyde Park, Mass.
Crocker-Wheeler Co., Ampere, N. J.
Eck Dynamo & Motor Co., Belleville, N. J.
Elect'l Testing Co., Peoria, Ill.
Ellington Elec. Co., Quincy, Ill.
Fore Elec. Mfg. Co., St. Louis, Mo.
Hobart Bros. Co., Troy, O.
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
Ideal Elec. & Mfg. Co., Mansfield, O.
Independent Elec. Machy. Co., 1917 Central, Kansas City, Mo.
Jantz & Leist Electric Co., Cincinnati, O.
Kenrick & Davis Co., Lebanon, N. H.
Main Elec. Co. ("Main Light"), Cleveland, Ohio
Nat. Elec. Controller Co., 154 Whiting, Chicago, Ill.
Reliance Instrument Co., 1313 Moorman, Chicago, Ill.
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Russell E. L. Co., State Life bldg, Indianapolis, Ind.
St. Louis Elec'l Wks., 4060 Forest Pk, St. Louis, Mo.
Stahl Rectifier Co. ("Stahl Magfixer"), 1401 W Jackson blvd, Chicago, Ill.
Titan Engineering Co., Union City, Ind.
Vesta Accumulator Co., 2100 Indiana av, Chicago, Ill.

## 2422—Charts (Hydrographic)

**Rupp Michael & Co. (Imp.), 112 Broad, New York**

## 2423— Chasers (Pipe Tap)

**Pratt & Whitney Co., Hartford, Conn.**

## 2424— Chasers (Screw)

**Brubaker W. L. & Bros., Millersburg, Pa.**
**Card S. W. Mfg. Co., Mansfield, Mass.**
Geometric Tool Co. ("Geometric" Chaser or Die Grinder), New Haven, Conn.
Polk A. J. & Son Co., Millersburg, Pa.

## 2425— Chases (Printers')

American Steel Chase Co. (All Steel), 58 Park row, New York
Golding Mfg. Co. (Electrically Welded), Franklin, Mass.
**Schultz F. & Co., 164 N Clinton, Chicago, Ill.**

## 2426—Check Blanks (Brass)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Niagara Falls Metal Stamping Works (Also Aluminum), Niagara Falls, N.Y.**
Plume & Atwood Mfg. Co., Waterbury, Conn.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*
Time & Emery Co., 9 S Clinton, Chicago, Ill.
**Waterbury Brass Goods Corp., Waterbury, Conn.**
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 2427— Check Perforators

Am. Perforating Co., Chicago, Ill.
**Childs S. D. & Co., 136 S Clark, Chicago, Ill.**
Cummins Perforator Co., 4740 W Ravenswood av, Chicago, Ill.
**Ingersoll Robt. H. & Bro. ("J. H. Williams Patent"), 315 4th av, New York**
**New Era Mfg. Co., 450 4th av, New York**
**Pritchard Stamping Co., Rochester, N. Y.**
**Wesley Mfg. Co., 31 Beekman, New York**

## 2428— Check Protectors

American Check Protector (Hand), 5th av bldg, New York
**Atwater S. I. ("Alligator"), 101 Lafayette, New York**
Cummins Perforator Co., 4740 W Ravenswood av, Chicago, Ill.
**Defiance Checkwriter Corp., Rochester, N. Y.**
Defiance Mfg. Co. (Hand), 22 E. 41st, New York
F. & E. Check Protecting System (Machines), 227 W. Erie, Chicago, Ill.
**Hedman Mfg. Co. ("F. & E."), 227 W Erie, Chicago, Ill.**
Hill-Independent Mfg. Co., Emerald & Adams, Phila., Pa.
**Ingersoll Robt. H. & Bro. ("J. H. Williams Patent"), 315 4th av, New York**
**Matthews James H. & Co., 3942 Forbes, Pittsburgh, Pa.**
Moise-Klinker Co., 369 Market, San Francisco, Cal.
National Check Protection Co. (Machine), Minneapolis, Minn.
Perfection Check Protector Co. (Hand), Williamsport, Pa.
**Roberts Numbering Machine Co., 706 Jamaica av, Brooklyn, N. Y.**
**Todd Protectograph Co. ("Protectograph," also "Protod" Forgery-Proof Checks & Drafts), 1050 University av, Rochester, N. Y.**

## 2428a— Checkers

See also Toys, Games & Novelties
**BOGERT & HOPPER, INC.** (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
***See adv index at end of book***
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Waterbury Button Corporation (Ivory & Composition), 831 S Main, Waterbury, Conn. *See adv index at end of book*

## 2429— Checks (Baggage)

**American Railway Supply Co., 134 Charles, New York**
Black A. S., 206 Longworth, Cincinnati, Ohio
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Denney Tag Co., West Chester, Pa.
Dickey-Grabler Wks. (Brass), W Madison & 103rd, Cleveland, O.
Dorman J. F. W. Co. (Brass), 526 N Calvert, Baltimore, Md.
Gibson A. C. Co., Buffalo, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Hoil Mfg. Co., 45 N Division, Buffalo, N. Y.
International Tag Co. (Paper & Cloth), 319 N Whipple, Chicago, Ill.
Matthews Jas H. & Co., 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J., & Co., 36 S. Meridian, Indianapolis, Ind.
Meyer & Wenthe, 108 N Dearborn, Chicago, Ill.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Mulinari P., 118 Light, Baltimore, Md.
New York Stencil Works, 100 Nassau, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Robbins John Mfg. Co. (Also Red Fibre Key Tags), 58 Kneeland, Boston, Mass.
Sackman Mfg. Co. (Brass & Aluminum, for All Purposes), Akron, O.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Spokane Stamp Works, Spokane, Wash.
Stafford N. Co., 67 Fulton, New York
Stewart R. A. & Co. (Brass), 201 B'way, New York
Volk Stamp & Stencil Co., 115 Griswold, Detroit, Mich.
Waterbury Button Corporation (Metal), 831 S Main, Waterbury, Conn.
*See adv index at end of book*
**Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.**
Woodman R. Mfg. & Supply Co., 82 Sudbury, Boston, Mass.
Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.

## 2429a— Checks (Cash)

Celluloid Co., 36 Washington pl, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Matthews James H. & Co. (Trade), 3942 Forbes, Pittsburgh, Pa.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 2430— Checks (Celluloid)

**Celluloid Co. (Cash, etc), 36 Washington pl, New York**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Whitehead & Hoag Co., 272 Sussex av, Newark, N. J.**

## 2431—Checks (Factory Time)

Continental Fibre Co. (Hard Fibre), Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Fibre), Wilmington, Del.; Works: **Marshallton, Del.** *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Matthews James H. & Co. (Pay & Time), 3942 Forbes, Pittsburgh, Pa.**
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
**WILMINGTON FIBRE SPECIALTY CO.** (Fibre), Wilmington, Del.
*See adv index at end of book*

## 2432— Checks (Screen Door)

Arcade Mfg. Co. ('Warner'), Freeport, Ill.
Caldwell Mfg. Co. ("Caldwell & Dime"), Rochester, N. Y.
Dunn Mfg. Co., Mankato, Minn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Sargent & Co. ("The No Slam"), New Haven, Conn.
Superior Spring Hinge Co. ("Superior"), 136 W Lake, Chicago, Ill.

## 2432a— *Checks (Tool)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Matthews James H. & Co., 3942 Forbes, Pittsburgh, Pa.

## 2433— Checks (Trade)

Adams S. G. Stamp & Seal Co., 412 N 6th, St. Louis, Mo.
**Aluminum Container Corp. (Aluminum), Fulton, N. Y.**
Aluminium Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
American Railway Supply Co., 134 Charles, New York
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
**Gibson A. C. Co., Buffalo, N. Y.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
**Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.**
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J. & Co., 36 S. Meridian, Indianapolis, Ind.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
**Noble & Westerbrook Mfg. Co., Hartford, Conn.**
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston. Mass.
**SWISHER R. D. MFG. CO.,** 415 S Clinton, Chicago, Ill. *See adv index at end of book*

## 2434— Chemical Apparatus

**ABBE ENGINEERING CO.,** 216-224 Bway, New York *See adv index at end of book*
American Scientific Instrument Co., 50 John, New York

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**Boekel Wm. & Co., 518 Vine, Phila., Pa.**
Braun Corporation, 363 New High, Los Angeles, Cal.
**Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.**
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**Chicago Apparatus Co.,** 32 S Clinton, Chicago, Ill.
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Devine J. P. Co., Buffalo, N. Y.
**Eimer & Amend,** 205 3d av, New York
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**Feidt Geo. D. & Co.,** 244 N 5th, Phila., Pa.
**FURMAN-FISHER CORP.,** 32 Church, New York *See adv index at end of book*
Garrigue Wm. & Co., 154 Nassu, New York, & Chicago, Ill.
**Gerstein Bros. & Cooper,** 3 W 3d, South Boston, Mass.
**Graham Chas. Chemical Pottery Works,** ("Stoneware," Acid Proof), 986 Met. av, Brooklyn, N. Y.
**Greiner Emil Co.,** 55 Fulton, New York
**Heil Henry Chemical Co., St. Louis, Mo.**
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Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Klipstein A. & Co., 644 Greenwich, New York
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
**LUMMUS WALTER E. CO.,** 171 Milk, Boston, Mass.
Nassau Valve & Pump Corp., Rockville Centre, Long Island, N. Y.
**Queen-Gray Co.,** 618 Chestnut, Phila., Pa.
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**Schutte & Koerting Co.,** 1251 N. 12th, Philadelphia, Pa.
**Stoelting C. H. Co.,** 3047 Carroll av, Chicago, Ill.
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Thermal Syndicate (Ltd.) ("Vitreosil" Pure Fused Silica Ware, Imp), 50 E 41st, New York
**Thomas Arthur H. Co.,** W Washington sq, Phila., Pa.
Thurl Engineering Works, Inc., 39 Cortlandt, New York
**Tool Engng. Works,** 56 Liberty, New York
University Apparatus Co., 2229 McGee av, Berkeley, Cal.

## 2435—Chemical Feed Devices For Water Treatment

**Builders' Iron Foundry,** 9 Codding, Providence, R. I.
N. Y. Continental Jewell Filtration Co., Nutley, N. J.
Scaife Wm. B. Sons Co., 1st Natl. Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

## 2435a— Chemical Porcelain

Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Ohio Pottery Co. ("Ohio"), Zanesville, O.

## 2436—Chemicalizers for Street-Alley Flushing

Thompson Walter M., 1427 Plum, Cincinnati, O.

## 2437— Chemicals

* Indicates Manufacturers

See also index for specific item desired

*Abbott Laboratories, 4753 Ravenswood av, Chicago, Ill.
*Adler Color & Chemical Wks., 100 William, New York
*Alba Mfg. Co., Aurora, Ill.
*Alcohol Products Co., Newark, N. J.
*American Agricultural Chemical Co., 2 Rector, New York
American Aniline Products, Inc., 80 5th av, New York
American Chemical Paint Co. ("Deoxylyte" for Pickling Metal Testing & Rust Proofing, "Lithoform" Adhesive Painting), 1118 So. 11th, Phila., Pa.
*American Cynamid Co., 511 5th av, New York
American Trading Co., 25 Broad, New York
American Zinc & Chemical Co., 61 B'way, New York
*Ames Merritt Chemical Works, Glens Falls, N. Y.
Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Apothecaries Hall Co. (Industrial Chemicals), Waterbury, Conn.
*Arminius Chemical Co., 44 Pine, New York
Arner Fred C. (In Bulk Only), Buffalo, N. Y.
Ashcraft Wilkinson Co. (Mfrs.), Atlanta, Ga.
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*Barrett Co., 17 Battery pl, New York
*Batelle & Renwick (Imp.), 80 Maiden la, New York
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*Beckwith Chemical Co., 35th & Grays Ferry av, Phila., Pa.
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Berry Dernoville & Co. (& Drugs, Pharmaceuticals, etc.), Nashville, Tenn.
*Binney & Smith Co., 81 Fulton, New York
Bird J. A. & W. & Co. (Heavy, Importers & Mfrs Agents), 88 Pearl, Boston, Mass.
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*Block Chemical Works (Barium), Berkeley, Newark, N. J.
Blue Seal Chemicals Co. (Drain Pipe Solvents), 424 Broome, New York
*Bower Henry Chemical Mfg. Co., 29th & Gray's Ferry rd, Phila., Pa.
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Bristol-Myers Co. (Pharmaceuticals), 281 Greene av, Brooklyn, N. Y.
*Bulls Ferry Chemical Co., Shadyside, N. J.
*Burroughs Bros. Mfg. Co., Coca Cola bldg, Baltimore, Md.
Bush Beach & Gent (Paper Makers), 80 Maiden la, New York
*Butterworth-Judson Corp., 61 B'way, New York *See adv index at end of book*
*Calco Chemical Co., Bound Brook, N. J.
Campbell C. Co. (Industrial), 11 Cliff, New York
*Campbell P. D. Co. (Raw), 401 E 36th, New York
*Canton Fertilizer & Chemical Co., Canton, O.
Caravel Co. (Brokers), 13-21 Park av, New York
*Carpenter-Udell Chemical Co., Grand Rapids, Mich.
*Central Chemical Co., 115 W Washington, Chicago, Ill.
*Central Dyestuffs & Chemical Co., Newark, N. J.
**Chatfield Mfg. Co., Carthage, Cincinnati, O.**
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Eureka Fluid Wks. (Embalming Fluids), 1209 Valencia, San Francisco, Cal.
Farmingdale Chemical Wks., Inc. (Heavy), Farmingdale, L. I., N. Y.
Fearon Brown Co. (Imp.), 96 Wall, New York *See adv index at end of book*
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*Herf & Frerichs Chemical Co. 4528 S B'way, St. Louis, Mo.
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*Highfield John W. (& Imp.), 248 N. 10th, Brooklyn, N. Y.
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*Iliff-Bruff Chemical Co. ("Snow White" Phosphate), Hoopeston, Ill.
*Industrial Chemical Co., 200 5th av, New York
Industrial Minerals Co., Inc. (Commercial Minerals, Ores & Industrial Chemicals), 525 Phelan bldg, San Francisco, Cal.
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Jarecki Chemical Co., Sandusky, O.
Jobbins Wm. F. (Bleaching, "Excelsior," Paragon & Persulphate of Iron), Aurora, Ill.
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*National Ammonia Co., St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling sl, New York
*National Chemical Co. of Cal., 526 S Alameda, Los Angeles, Cal.
*National Color & Chemical Wks., 59th & 11th ave, New York
*National Electrolytic Co., Niagara Falls, N. Y.
National Sales & Trading Co., Cleveland, Ohio
National Synthetic Co., Perth Amboy, N. J.
*Naugatuck Chemical Co. (Heavy), Naugatuck, Conn.
Newport Chemical Wks., Milwaukee, Wis.
*Niagara Electro Chemical Co. (Metallic Sodium & Sodium Peroxide), Niagara Falls, N. Y.
*Nitrated Chemicals Co., Inc., Lorain, O.
Nitrogenous Chemical Corpn., West End Trust bldg, Phila., Pa.
North American Chemical & Engineering Co. (For Boiler Feed Water Treatment), 23 Old Slip, New York
*Nusbaum Chemical Co., Bradford, Pa.
Oakland Chemical Co. (Dioxogen H2-02-12), 10 Astor pl, New York
Ohio Chemical & Mfg. Co., 1177 Marquette, Cleveland, O.
Olivoint Chemical Co., 4273 California, San Francisco, Cal.
*Onyx Oil & Chemical Co., Jersey City, N. J.
*Pacific Ammonia & Chemical Co., Seattle, Wash.
*Paper Makers Chemical Co., Easton, Pa.
*Partola Mfg. Co. (Heavy), 160 2d av, New York
*Penn Chemical Co., Susquehanna, Pa.
*Penn Chemical Works, 1332 Washington av, Phila., Pa.
Penna Salt Mfg. Co., Widener bldg, Phila., Pa.
*Penwarden E. Darwin, Carley Brook, Pa.
Perth Amboy Chemical Wks., Perth Amboy, N. J.
*Pfizer Chas. & Co., 81 Maiden la, New York
*Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
*Primos Chemical Co., Primos, Pa.
*Provident Chemical Wks., St. Louis, Mo.
Quaker City Supply Co., Land Title bldg, Phila., Pa.
**RARE METAL PRODUCTS CO.** (Molybdate Acid, Molybdate of Ammonia, Sulphurette of Antimony), Belleville, N. J.
*Reading Chemical Mfg. Co., Reading, Pa.
Rector Chemical Co., Inc. (Photographic), 2 Rector, New York
Rhodes Jas. H. & Co. (Industrial Chemicals), 2810 S Albany, Chicago, Ill.
*Roessler & Hasslacher Chemical Co., 709 6th av, New York
*Royal Chemical Co., Phenix, R. I.
*Russell Chemical Co., Russell, Pa.
Salomon L. A. & Bro., 216 Pearl, New York
Sanderson Fertilizer & Chemical Co., New Haven, Conn.
Schell Chemical Co., 56 Pine, New York
Schwenker W. M., Inc. (Heavy), 340-344 E 92nd, New York
*Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
*Sherwin-Williams Co., Cleveland, O.
Sloan & Russel, Inc., 132 Nassau, New York
*Solvay Process Co., Syracuse, N. Y.
*Squibb E. R. & Sons, 80 Beekman, New York
Stamford Extract Mfg. Co. (Chemicals & Dyestuffs), 88 Wall, New York. Factory, Stamford, Conn.

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CHEMICALS—continued

Standard Chemical Co., 310 California, San Francisco, Cal.
Standard Chemicals & Metal Corp., 46 Cedar, New York
Standard Scientific Co., 10 5th av, New York
•Stein, Hirsh & Co., 61 B'way, New York
Suter, Eugene & Co., 120 B'way, New York
•Swiss Colors Co., 80 5th av, New York
T. M. & G. Chemical Co. (Intermediates), Belleville, N. J.
•Talbot Dyewood & Chemical Co., Lowell, Mass.
•Tartar Chemical Works, 156 5th av, New York
•Taylor Chemical Co., Penn Yan, N. Y.
Thayer E. M. & Co. (Imp.), 36 Purchase, Boston, Mass.
•Thayer Henry & Co., Cambridge, Mass.
•Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
Tower Chemical Co., 13 Park row, New York
•Transatlantic Chemical Corp., Linden, N. J.
Uhlich Paul & Co. (Importers), 11 Cliff, New York
•United Chemical Companies, Kansas City, Mo.
United States Color & Chemical Co. (Mfrs. & Imptrs.) (Colors, Nigrosines & Anthanol Chrome Specialties), 15 Custom House, Boston, Mass.
University Apparatus Co., 2229 McGee av, Berkeley, Cal.
Vanadium Corp. of Am., Equitable bldg, New York
•Van Schaack Bros. Chemical Wks., 3358 Avondale av, Chicago, Ill.
•Vass Chemical Co., Danbury, Conn.
VERA CHEMICAL CO. (Papermakers, Sizings, Rosin), N. Milwaukee, Wis.; Stoneham, Mass., & Burlington, Ont., Can.
•Virginia-Carolina Chemical Co., Richmond, Va.
Wander S. & Sons Chemical Co. (Alkali Products), Albany, N. Y.
•Warner Chemical Co., 52 Vanderbilt av, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Weisenthal & Co., 145 W 45th, New York
Wellman B. & Co., 132 Pearl, New York
•Western Aniline Products Co., Hammond, Ind.
•Western Chemical Products Co., 210 N Canal, Chicago, Ill.
•White Tar Co. (Dealers), John & Cliff, New York
White Tar Co. of N. J. (Creosote Oil & Crude Carbolic Acid), 56 Vesey, New York
Whitelawn Bros. Chemical Co. (Jobbers), 309 S Wharf, St. Louis, Mo.
Wiarda John C. & Co. (For Glass, Enamel, Pottery, Textile, Steel, Varnish, Nickel & Electroplaters', etc), 273 Greene, Brooklyn, N. Y.
•Williamsburg Chemical Co. (Textile), 230 Morgan av, Brooklyn, N. Y.
•Wilson Chemical Co., Tyrone, Pa.
Winkler Isaac & Bro. Co. (Whol.), 1st Nat. Bank bldg, Cincinnati, O.
•Wolf Jacques & Co. (Textile, etc.), Passaic, N. J.
Worden Chemical Wks. (Textile), 4 Cedar, New York
•Wright Chemical Co., Susquehanna, Pa.
•Yale C. I. Co., Yalesville, Conn.

### 2438—Chemicals (Aromatic-Synthetic)

Bush W. J. & Co., Inc., 100 William, New York
National Aniline & Chemical Co., Inc., 21 Burling slip, New York

### 2438a— Chemicals (Battery)

Baker & Winsor (Blue Vitriol), 189 Eddy, Providence, R. I.
Butterworth-Judson Corp. (Blue Vitriol), 61 B'way, New York
*See adv index at end of book*
Chemical Importing & Mfg. Co. (Jobbers), 90 West, New York
Clendenin Bros. (Blue Vitriol), Central av & Fawn, Baltimore, Md.
Contact Process Co., Buffalo, N. Y.
Cooper Chas. & Co., 194 Worth, New York
Doggett Stanley, 11 Cliff, New York
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Eimer & Amend, 205 3d av, New York
Fergusson Bros. (Blue Vitriol), 109 Chestnut, Phila., Pa.
General Chemical Co. (Blue Vitriol, etc), 25 Broad, New York
Globe Chemical Co., 1135 Regent av, Cincinnati, O.
Grasselli Chemical Co. (Blue Vitriol, Storage Battery Acid), Guardian bldg, Cleveland, O.
Harding & Fancourt, 516 S Del., Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Innis, Speiden & Co., Inc. (Blue Vitriol Jobbers), 46 Cliff, New York
*See adv index at end of book*
Jaeck Hector C., 215 Russell, Brooklyn, N. Y.
King Chemical Co. (Blue Vitriol), Bound Brook, N. J.
Klipstein A. & Co., 644 Greenwich, New York
Lehigh Chemical Co., Allentown, Pa.
Mallinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
Merrimac Chemical Co., 148 State, Boston, Mass.
National Zinc Co. (Battery Acid, etc), 61 B'way, New York
Nichols Copper Co. (Blue Vitriol), 25 Broad, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Riverside Acid Wks., Warren, Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Western Chemical Mfg. Co., Denver, Colo.
White S. S. Dental Mfg. Co., 211 S. 12th, Phila., Pa.
Wiarda John C. & Co. (Blue Vitriol), 273 Greene, Brooklyn, N. Y.

### 2438b—Chemicals (Electroplaters)

Asphaltum & Chemical Products Co., Park Row bldg, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Roessler & Hasslacher Chemical Co., 709 6th av, New York

### 2439—Chemicals (Enamelers' & Glass Makers')

Daigger A. & Co., 54 Kinzie, Chicago, Ill.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Wiarda J. C. & Co., 273 Greene, Brooklyn, N. Y.

### 2440—Chemicals (Fireworks)

Chemical Importing & Mfg. Co. (Selling Agents), 90 West, New York
Farmingdale Chemical Wks., Inc., Farmingdale, L. I., N. Y.
Mecca Machinery Co., 85-87 Adams, Brooklyn, N. Y.
*See adv index at end of book*

### 2440a— Chemicals (Heavy)

Du Pont (E. I.) De Nemours & Co., (Heavy Chemical & Acid Sales Dept.), Wilmington, Del.

### 2440b— Chemicals (Laundry)

du Pont (E. I.) de Nemours & Co. (Heavy Chemical & Acid Sales Dept.), Wilmington, Del.
Hooker Electrochemical Co., 40 Wall, New York
Solvay Process Co., Syracuse, N. Y.
Sterling Products Co., Inc., Easton, Pa.
Trico Chemical Co., Inc., Buffalo, N. Y.
Warner Chemical Co., 52 Vanderbilt av, New York
Winkler Isaac & Bro. Co., 1st Nat'l Bank bldg, Cincinnati, O.

### 2441—Chemicals (Mantle, Incandescent Light)

Roessler & Hasslacher Chemical Co., 709 6th av, New York

### Chemicals (Nickel & Electroplating)

See index of contents for specific item desired

### 2441a—Chemicals (Perfumers)

Chiris Antoine Co., 20 Platt, New York
National Aniline & Chemical Co., 21 Burling slip, New York
Organic Products Corp., Schenectady, N. Y.
Rockhill & Victor, 22 Cliff, New York
Van Dyk & Co., 6 Platt, New York
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### 2441b—Chemicals (Photographic)

See also Specific Headings

Ansco Co., Binghamton, N. Y.
Bauer Philip Co., 25 W B'way, New York
Bausch & Lomb Optical Co., Rochester, N. Y. *See adv index at end of book*
Defender Photo Supply Co., Rochester, N. Y.
Eastman Kodk Co., Rochester, N. Y.

Ele-Kem Company ("Foto-Kem"), 1508-1516 Clybourn av, Chicago, Ill.
Lowenstein Radio Co., Inc. (Metol), 397 Bridge, Brooklyn, N. Y.
Merck & Co., 45 Park pl, New York
Organic Products Corp., Schenectady, N. Y.
Rector Chemical Co., 2 Rector, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Takmine Commercial Corp., 120 B'way, New York
Warren Products Co., 265 Canal, New York *See adv index at end of book*
Will Corp., Rochester, N. Y.

## 2441c— Chemicals (Rubber)

See also Specific Headings

Battelle & Renwick, 80 Maiden lane, New York
du Pont (E. I.) de Nemours & Co. (Heavy Chemical & Acid Sales Dept.), Wilmington, Del.
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Katzenbach & Bullock Co., 110 William, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Stresen, Reuter & Hancock, Inc., 122 S. Michigan av, Chicago, Ill.
Warner Chemical Co., 52 Vanderbilt av, New York

## 2441d— Chemicals (Tanners)

du Pont (E. I.) de Nemours & Co. (Heavy Chemical & Acid Sales Dept.), Wilmington, Del.
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Hooker Electrochemical Co., 40 Wall, New York
National Oil Products Co., Harrison, N. J.

## 2441e— Chemicals (Textile)

See also Specific Heading

Herrick & Voigt, 1 Liberty, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*
Merrimac Chemical Co., 148 State, Boston, Mass.
National Oil Products Co., Harrison, N. J.
Seydel Mfg. Co., 88 Forest, Jersey City, N. J.
Solvay Process Co., Syracuse, N. Y.
Takamine Commercial Corp., 120 B'way, New York
Wolf Jacques & Co., 369 Harrison, Passic, N. J.

## 2442—Chemicals & Gases (Liquified)

Am. Blangas Corp., 19 W. 44th, New York
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
Northwestern Blaugas Co., St. Paul, Minn.
White S. S. Dental Mfg. Co., 211 S. 12th, Phila., Pa

## 2443-4— Chemists

See also Assayers; also Laboratories

Allentown Testing Laboratory (Analytical & Consulting), Allentown, Pa.
Barrow Agee Labortories (Analytical & Consulting), Memphis, Tenn.
Battle Laboratory (Analytical & Consulting), Montgomery, Ala.
Booth, Garrett & Blair (Metallurgical), 404 Locust, Phila., Pa.
Bristol-Myers Co. (Pharmaceutical), 281 Greene av, Brooklyn, N. Y.
Brown Laboratories (Analytical), Nashville, Tenn.
Carmichael Henry (Analytical & Consulting), 88 Broad, Boston, Mass.
Chemical Service Laboratories (Analytical & Consulting), Real Estate Trust bldg, Phila., Pa.
Clarke Chemical Co., Wickliffe, Ohio.
Curtis & Tompkins (Analytical), 331 California, San Francisco, Cal.
Daigger A. & Co., 54 W. Kinzie, Chicago, Ill.
Davis Geo. C. (Metallurgical), 39 S 10th, Phila., Pa.
Davenport & Keeler, New Britain, Conn.
Deavitt H. M. (Analytical & Consulting), 209 S La Salle, Chicago, Ill.
Deavitt Laboratories (Consulting), 209 S La Salle, Chicago, Ill.
Detroit Testing Laboratory, 674 Woodward, Detroit, Mich.
Eaton Laboratories, 340 Sansome, San Francisco, Cal.
Falkenburg Co., 116 Yesler way, Seattle, Wash.
Gascoyne & Co. (Analytical & Consulting), 27 S Gay, Baltimore, Md.
Gattis Chemical Co. (Phrmaceuticals), Nashville, Tenn.
Gulick, Henderson Co., 145 W 30th, New York
Hamlin & Morrison (Analyticl), 119 S. 4th, Phila., Pa.
Hanks A. A. (Analytical), 630 Sacramento, San Francisco, Cal.
Hartford Laboratory Co. (Anlytical & Consulting), Hartford, Conn.
Holtzendorf Laboratories (Analytical), Memphis, Tenn.
Kann Robt. (Analytical), 124 Front, New York
Kawin Chas. C. Co., 417 S Dearborn, Chicago, Ill.
Kraus Research Laboratories, Inc. (also Research Engineers & Refractories), 130 Pearl, New York
Laucks, I. F., Inc., 99 Marion, Seattle, Wash.
Law & Co., Atlanta, Ga.
Ledoux & Co. (Analytical & Consulting), 99 John, New York
Lehn & Fink (Pharmaceuticals), 120 B'way, New York
Lippman & Sugarman, 135 Stockton, San Francisco, Cal.
Little Arthur D., Inc., 30 Charles River rd, Boston, Mass.
Mariner & Hoskins, 111 W Monroe, Chicago, Ill.
Maywald Frederick J. (Analytical & Consulting, 133 Water, New York
Mecca Machinery Co., 85-87 Adams, Brooklyn, N. Y. *See adv index at end of book*
Miles Geo. W. (Analytical & Consulting), 88 Broad, Boston, Mass.
Mills Bro. Co. (Manufcturing), 327 W. 3d, Cincinnati, O.
Pacific Wasserman Laboratories, Pacific bldg, San Francisco, Cal.
Perkins Geo. E. (Analytical & Consulting), 1620 Smith, Providence, R. I.
Pitkin Lucius (Analytical & Consulting), 47 Fulton, New York
Pittsburgh Testing Laboratory, 616 Grant, Pittsburgh, Pa.
Pratt N. P Laboratory (Analytical & Consulting), Atlanta, Ga.
Sadtler Sam'l P. & Son (Consulting & Analytical), 210 S 13th, Phila., Pa.
Samoline Corp., Inc. (Analytical), 2134 N Clark, Chicago, Ill.
Saunders & Franklin (Analytical & Consulting), 184 Whittier av, Providence, R. I.
Scott & Bowne (Pharmaceuticals), Bloomfield, N. J.
Scott & Gilbert (Manufacturing), 116 1st, San Francisco, Cal.
Seidel Ad. & Sons (Bakers), 1245 Garfield av, Chicago, Ill.
Sharples Stephen P. (Analytical & Consulting), 26 Broad, Boston, Mass.
Sherman Herbert L. (Analytical & Consulting), 12 Pearl, Boston, Mass.
Siebel J. E. & Sons Co., 962 Montana, Chicago, Ill.
Smith, Emery & Co., 651 Howard, San Francisco, Cal.
Smith Laboratory (Analytical), Mt. Pleasant, Tenn.
Smith, Rudy & Co., 411 Walnut, Phila., Pa.
Sowers Osso (Analytical), 104 John, New York
Squibb-Carter-Squibb Co., Lawrenceburg, Ind.
Staddon-Donald R. & Co. (Analytical & Consulting, Industrial), 104-106 John, New York.
Stearns & White Co., 859 North Franklin, Chicago, Ill.
Stillwell Laboratory (Analytical & Consulting), 76 Pine, New York.
Stillwell & Gladding (Analytical & Consulting), 95 Front, New York.
Syracuse Pharmacal Co. (Mfg.), Syracuse, N. Y.
Teeple Jno. E., Ph. D. (Consulting & Chemical Engineer), 50 E 41st, New York
Upjohn Co. (Pharmaceuticals), Kalamazoo, Mich.
Wallior Chemical Works (Analytical & Consulting), New Orleans, La.
Weber Lothar E. (Analytical & Consulting Rubber), 729 Boylston, Boston, Mass.
Wiedemann H. E. (Consulting & Analytical), Chemical bldg, St. Louis, Mo.
Wiley & Co. (Analytical & Consulting), 7 S Gay, Baltimore, Md.

## 2445— Chests (Cedar)

Acme Mfg. Co., South Bend, Ind.
American Sash & Door Co., Kansas City, Mo.
Burrowes E. T. Co., Portland, Me.
Carr, Ryder & Adams Co. (Wholesale Mfrs), Dubuque, Ia.
Colonial Red Cedar Chest Co., Lincoln, Neb.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Huttig Sash & Door Co., 1200 S Vanderventer, St. Louis, Mo.
Kane Blind & Screen Co., Kane, Pa.
Landau Cabinet Co., 1545 Tower Grave, St. Louis, Mo.
Lookout Planing Mills, Chattanooga, Tenn.
Roos Mfg. Co. (Red Cedar), 967 W 20th, Chicago, Ill.
Standard Red Cedar Chest Co., Altavista, Va.
Stewart G. S. Co., Norwalk, O.
Universal Cabinet Co., 1737 N Paulina, Chicago, Ill.
Vestal Lumber & Mfg. Co. ("Tennessee" Red Cedar), Knoxville, Tenn.
West Branch Novelty Co., Milton, Pa.
Huttig Mill Wk. Co., Kansas City, Mo.
Wisconsin Chair Co., Pt. Washington, Wis.

## Chests (Ice)

See Refrigerators

## 2446— Chests (Stuff)

Dillon Machine Co., Lawrence, Mass.
Dilts Machine Works (Inc.), (Horizontal & Vertical), Fulton, N. Y.
National Refrigerators Co., 827 Koel av, St. Louis, Mo.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Valley Iron Works Co., Appleton, Wis.

## 2447— Chests (Tool)

American Mfg. Concern (Toy & Carpenter), Falconer, N. Y.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Cardington Cabinet Co., Cardington, O.
Chicago Tool & Kit Mfg. Co. (Carpenter), 12 N Market, Chicago, Ill.
Conway Veneered Door & Mantel Co., 2019 St. Paul, Milwaukee, Wis.
Economy Mfg. Co., 508 Commerce, Philadelphia, Pa.
Gerstner H. & Sons (Portable), Dayton, O.
Jennings C. E. & Co., 71 Murray, New York
Mossberg Frank Co. (Socket "No. 300"), Attleboro, Mass.
Page, Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Paine Furniture Co., 81 Arlington, Boston, Mass.
Pilloid Lumber Co., Swanton, O.
Union Tool Chest Co., Inc. ("Union" Suit Case, for Machinist Chests, Cabinets, Cases, etc., Stock & Special), 129 Mill, Rochester, N. Y.
Vanderman Mfg. Co. (Steel), Willimantic, Conn.
Wedell & Boers, 157 Jefferson, Detroit, Mich.
West F. M. Box Co., Springfield, Mass.
Wilbur Corporation, New Haven, Conn.

## 2447a— Chicle

Harshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, O.

## 2448— Chicory Mfrs.

Brandt C. H. W., Stockton, Cal.
Frank Chicory Co., Bay City, Mich.
Muller E. B. & Co., Port Huron, Mich.
Vanneste Bros., Capsac, Mich.

## 2449—Chimes (Saddle, Pole, Hame, Etc.)

Bevin Bros. Mfg. Co., East Hampton, Conn.
Starr Bros. Bell Co., East Hampton, Conn.

## Chimney Pipe

See Linings, Flue

## 2450— Chimney Tops

Adams Co. ("Adams" Revolving), Dubuque, Ia.
American Sewer Pipe Co., Akron, O.
Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Baltimore Retort & Fire Brick Co., cor Hull & Nicholson, Baltimore, Md.
Baltimore Terra Cotta Works, 1300 Covington, Baltimore, Md.
Bannon P. Pipe Co., Louisville, Ky.
Blackmer & Post Pipe Co. (Fire Clay), Boatmen's Bank bldg, St. Louis, Mo.
Buckeye Fireclay Co., Uhrichsville, O.
Cannelton Sewer Pipe Co., Cannelton, Ind.
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Clawson L. E. Co., 80 Page, San Francisco, Cal.
Columbus Sewer Pipe Co., Columbus, Ga.
De Bruycher August, 171 7th av, Brooklyn, N. Y.
Dee Wm. E. Co., 30 N La Salle, Chicago, Ill.
Dickey W. S. Clay Mfg. Co., N. Y. Life bldg, Kansas City, Mo.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Evans Clay Mfg. Co., Uhrichsville, O.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Excelsior Fire Clay Co. ("Excelsior"), Lisbon, O.
Frantz Mfg. Co., Sterling, Ill.
Gladding, McBean & Co., Crocker bldg San Francisco, Cal.
Iwan Bros., South Bend, Ind.
Lacledo-Christy Clay Products Co., Ry. Exch. bldg., St. Louis, Mo.
Macomb Sewer Pipe Co., Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
New York Pottery Co., Fuller bldg, New York
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Quinn Wire & Iron Works (Cast Iron), Boone, Ia.
Reeve Augustus, Camden, N. J.
Robinson & Sons Sewer Pipe Co., Uhrichsville, O.
Robinson Clay Product Co., Akron, O.
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Stevens H. Sons Co., Macon, Ga.
Streator Clay Mfg. Co., Streator, Ill.
Waterloo Register Co., Waterloo, Ia.

## 2451—Chimney Tops (Revolving)

Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Feld Geo. A. Co., 162 E. 129th, New York
Iwan Bros., South Bend, Ind.
Milwaukee Corrugating Co., Milwaukee, Wis.
National Mfg. Co., Sterling, Ill.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Quinn Wire & Iron Works ("Dandy"), Boone, Ia.
Sterling Fdry. Co. ("Best"), Sterling, Ill.
Texarkana Pipe Works, Texarkana, Ark.
Williams Hardware Co., Williams bldg ("Powers"), Streator, Ill.
*See adv index at end of book*

## Chimney Tops (Slate)

See Slate Stair Treads & Risers

## 2452— Chimneys (Concrete)

Boland John Y., Construction Co., Chemical bldg, St. Louis, Mo.
Custodis Alphons Chimney Construction Co., 95 Nassau, New York
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
General Concrete Construction Co. (Tapering Reinforced), 431 S Dearborn, Chicago, Ill.
Heine Chimney Co. (The) (Reinforced Concrete), 123 W Madison, Chicago, Ill.
**KELLOGG M. W. CO.**, 90 West, New York
*See adv index at end of book*
Rust Engineering Co. (Reinforced), Keenan bldg, Pittsburgh, Pa.
Weber Chimney Co. ("Weber," Reinforced Concrete), McCormick bdg, Chicago, Ill.
Wiederholdt Construction Co. ("Wiederholdt," Tile), Old Bank of Commerce, St. Louis, Mo.

## Chimneys for Power Plants

See Stacks, Steel; Also Chimneys, Steel

## 2453— Chimneys (Forge)

Lourie Mfg. Co. ("Sure-Draft"), Springfield, Ill.

## 2454—Chimneys (Lamp, Glass)

Bridgeport Lamp Chimney Co., Bridgeport, W. Va.
Cameron Glass Co. ("Cameron") Hand Made), Cameron, W. Va.
Co-Operative Enterprise Glass Co., North Vernon, Ind.
Corning Glass Wks. ("Nonex"), Corning, N. Y.
Dunbar Flint Glass Co., Dunbar, W. Va.
Fostoria Glass Co., Moundsville, W. Va.
Gill Bros. Co. ("Acme," "Royal," "O. K."), Steubenville, O.
Gill E. & Co., York & Thompson, Phila., Pa.
Gleason-Tiebout Glass Co., 93 Commercial, Brooklyn, N. Y.
Glenshaw Glass Co., Glenshaw, Pa.
Lippincott Glass Co., Greenwood bldg, Cincinnati, O.
Macbeth-Evans Glass Co. ("Macbeth," Pearl Top & Pearl Glass, "Keystone," "Zenith," "Iron Clad," "Superior," "Crescent," "Empire"), C of C bldg, Pittsburgh, Pa.
McBride Thomas, Industrial, W. Va.
McKee Glass Co., Jeannette, Pa.
Phoenix Glass Co., 2d National Bank bldg, Pittsburgh, Pa.
Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.
Star Glass Co., Star City, W. Va.
Wellington Glass Co., Cumberland, Md.
Williamsburg Flint Glass Co., 260 Boerum, Brooklyn, N. Y.

## 2455— Chimneys (Mica)

Huse Jos. & Son, 91 Blackstone, Boston, Mass.
Mica Mfg. Co., 135 Johnson, Brooklyn, N. Y.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
Munsell Eugene & Co. ("Micalite"), 68 Church, New York
North Carolina Mica Co., 80 North, Boston, Mass.
Storrs Mica Co., Owego, N. Y.

## 2456—Chimneys of Perforated Radial Blocks

See also Chimneys, Concrete

**AMERICAN CHIMNEY CONSTRUCTION CO.** (Radical & Common Brick Repairings done while in use), 407 Oxford bldg, Chicago, Ill.
American Chimney Corp., 147 4th av, New York
Bergen & Lindeman, 140 Liberty, New York
Custodis Alphons Chimney Construction Co., 95 Nassau, New York
Heine Chimney Co. (The), 123 W Madison, Chicago, Ill.
Heinicke H. R. Inc., 147 4th av, New York
**KELLOGG M. W. CO.** (Corrugated Radial Brick), 90 West, New York
*See adv index at end of book*
Rust Engineering Co., Keenan bldg, Pittsburgh, Pa.

## 2457— Chimneys (Steel)

See Also Stacks, Steel

**CHICAGO BRIDGE & IRON WORKS** (Self-Suporting), 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
**DOVER BOILER WORKS** (Self-Supporting), Sales Office, 40 Church, New York; Works: Dover, N. J.
*See adv index at end of book*
Graver Corp., E Chicago, Ind.
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Republic Structural Iron Wks. Co., 1350 E. 53rd, Cleveland, O.
Scaife, Wm. B. Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.; 26 Cortlandt, New York
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
**THROPP'S JNO. E. SONS CO.**, ft of Lewis, Trenton, N. J.
*See adv index at end of book*

## 2458—China (Domestic, Decorated & Plain)

Alliance Vitreous China Co., Alliance, O.
Anchor Pottery, Trenton, N. J.
Bennett Edwin Pottery Co., Eden & Fleet, Baltimore, Md.
Buffalo Pottery, Buffalo, N. Y.
Canonsburg Pottery Co., Canonsburg, Pa.
Carrollton Pottery Co., Carrollton, O.
Cartwright Bros. Co., East Liverpool, O.
Colonial Co., East Liverpool, O.
Crooksville China Co., Crooksville, O.
East Liverpool Potteries Co. (Decorated), East Liverpool, O.
French China Co. (Dinner, Toilet), Sebring, O.
Greenwood China Co., Trenton, N. J.
Greenwood Pottery Co., Trenton, N. J.
Hall China Co., East Liverpool, O.
Harker Pottery Co. (Decorated), East Liverpool, O.
International Pottery Co (Decorated, Semi-vitreous), Trenton, N. J.
Ionia Fine Art Pottery, Trenton, N. J.
Iroquois China Co., Solvay, N. Y.
Knowles, Edwin M. China Co. (Dinner, Toilet), East Liverpool, O.
Knowles, Taylor & Knowles Co. (Decorated, Semi-vitreous), East Liverpool, Ohio
Laughlin Homer China Co. (Decorated), East Liverpool, O.
Lenox Incorporated, Trenton, N. J.
Leopold J. & Co., 101 Hanover, Baltimore, Md.
Limoges China Co. (Table), Sebring, O.
McNicol, D. E. Pottery Co. (Decorated), East Liverpool, O.
McNicol-Corns Co., Wellsville, O.
Mayer China Co., Beaver Falls, Pa.
Mercer Pottery Co. (Decorated, White), Trenton, N. J.
National China Co., Salineville, O.
National Pottery, Inc., Belleville, N. J.
Ohio China Co. (Decorated), East Palestine, O.
Owen China Co. (All Kinds), Minerva, O.
Patterson Bros. (Decorated), Wellsville, O.
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Pope-Gosser China Co., Coschocton, Pa.
Potters Co-Operative Co. (Decorated), East Liverpool, O.
Royal China Co., Sebring, O.
Sebring E. H. China Co. (Table), Sebring, Ohio
Smith-Phillips China Co. (Decorated), East Liverpool, O.
Southern Potteries, Inc. ("Clinchfield"), Erwin, Tenn.
Standard Pottery Co. (Decorated), East Liverpool, O.
Steubenville Pottery Co., Steubenville,, O.
Summit China Co., Akron, O.
Taylor, Smith & Taylor Co.,, East Liverpool, O.
Thompson, C. C. Pottery Co. (All Kinds) East Liverpool, O.
Trenle China Co., East Liverpool, O.
Trenton Potteries Co. (Decorated), Trenton, N. J.
Tritt China Co., Niles, O.
Van Pottery Co., Trenton, N. J.
Vodrey Pottery Co. (Decorated), East Liverpool, O.
Warwick China Co. (Table), Wheeling, W. Va.
Wellsville China Co. (Decorated), Wellsville, O.
West End Pottery Co. (Table), East Liverpool, O.
Worcester China Co., Sebring, O.
Wylie H. R. China Co., Huntington, W. Va.

## 2459— Chippers (Cable)

Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 2460—Chippers & Shredders (Extract & Dye Wood)

Jeffrey Mfg. Co., 961 N. Fourth, Columbus, O. *See adv index at end of book*

Mitts & Merrill, Saginaw, Mich.
**Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.**

## 2461— Chippers (Ice)

**Alaska Freezer Co. ("Alaska"), Winchendon, Mass.**
**Arcade Mfg. Co., Freeport, Ill.**
Bernardin Bottle Cap Co. ("Halsey"), Evansville, Ind.
**Bonney Vise & Tool Works, Inc., Allentown, Pa.** *See adv index at end of book*
Gifford-Wood Co., Hudson, N. Y.
**Gilchrist Co., 236 Bank, Newark, N. J.**
**Landers, Frary & Clark, New Britain, Conn.**
**North Bros. Mfg. Co. ("Crown," "Lightning"), Lehigh av & American, Phila., Pa.**
**Thayer Mfg. Co., Williamsburg, Mass.**
**Wagner Mfg. Co. ("Wagner Danger," Combination Chisel Chipper), Cedar Falls, Ia.**
**Wrightsville Hardware Co., Wrightsville, Pa.**

## 2461a— Chippers (Soap)

**Houchin-Aiken Co., 113 53rd, Bklyn, N. Y.**

## 2462— Chisels (Belt)

**Manufacturers' Belt Hook Co. ("L-X"), 1321 W. Congress, Chicago, Ill.**

## Chisels (Blacksmiths')

**See Chisels, Cold & Cape**

## 2463—Chisels (Box, Openers)

**See also Pullers, Nail**

**American Cutlery Co. (Steel Nickel-Plated Cigar Box, etc), 764 Mather, Chicago, Ill.**
**Arcade Mfg. Co. ("Berry"), Freeport, Ill.**
**Bagshaw & Field, 445 N 5th, Phila, Pa.**
Bonner Drop Forge Co ("Victor" Drop Forged), 111 W Washington, Chicago, Ill.
**Braunsdorf-Mueller Co., Elizabeth, N. J.**
Brewer Bros. Co. (Claw), 2nd & Comerset. Phila., Pa.
**Bridgeport Hardware Mfg. Corp. ("Matchless"), Bridgeport, Conn.**
**Buffum Tool Co. ("Swastika," Flat, Mallet Head, Plain, etc), South Side, Louisiana, Mo.**
**Carver Tool Works, Spring Valley, N. Y.**
Delaware Tool Co., Wilmington, Del.
**Drew, C. & Co., Kingston, Mass.**
Duffy J. F., Jr, 563 Fulton, Chicago, Ill.
**Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.**
**Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.**
Forged Products Co. ("Gibraltar"), Conway bldg, Chicago, Ill.
Grammes, L. F. & Sons, Allentown, Pa. *See adv index at end of book*
**Landers, Frary & Clark ("H. & B." Cast Steel), New Britain, Conn.**
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn. *See adv index at end of book*
**Kraeuter & Co., 583 18th av, Newark, N. J.**
**Lowentraut, P. Mfg. Co., 36 Brenner, Newark, N. J.**
**Mellor Box Opener Co. ("Mellor" Box Opener, Nail Puller & Hammer), Sedalia, Mo.**
**MORRILL CHAS.** ("Morrill," "Apex," Combination Nail Puller, Box Opener, Box Chisel, Pry, Hammer & Box Wire & Strap Cutter), 100 Lafayette, New York *See adv index at end of book*
**Nicol & Co. ("N. & Co."), 218 N Jefferson, Chicago, Ill.**
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
S. & I. Co., Springfield, Mass.
Sargent & Co., New Haven, Conn.
**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**
Stortz John & Son, 210 Vine, Phila., Pa.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V & B," for Shoe Dealers, etc.), 2114 Carroll av, Chicago, Ill.
**Warner Hammer Co., Cromwell, Conn.**
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 2464-5—Chisels (Bricklayers')

Anderson W. H. Tool & Sup. Co., 184 Brush, Detroit, Mich.
**Bagshaw & Field, 445 N 5th, Phila., Pa.**
**Braunsdorf-Mueller Co., Elizabeth, N. J.**
Brewer Bros. Co., 2nd & Somerset, Phila., Pa.
Brunner & Lay, 570 W Polk, Chicago, Ill.
**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**
Carver Tool Works, Spring Valley, N. Y.
Collins Co., Collinsville, Conn.
**Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.**
Delaware Tool Co., Wilmington, Del.
**Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.**
Evansville Tool Works, Evansville, Ind.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Kilborn & Bishop Co. ("Silex"), 194 Chapel, New Haven Conn. *See adv index at end of book*
**Kraeuter & Co., 583 18th av, Newark, N. J.**
Marshalltown Trowel Co., Marshalltown, Ia.
**Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.**
**Plumb Fayette R. (Inc.), Tucker & James, Phila., Pa.**
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
**S. & I. Co. ("Never-Break"), Springfield, Mass.**
**Stortz Jno. & Son, 210 Vine, Phila., Pa.**
**Vaughan & Bushnell Mfg. Co. ("V & B"), 2114 Carrol av, Chicago Ill.**
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.
**Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.**

## 2466— Chisels (Calking)

**See also Tools, Calking**

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
**Braunsdorf-Mueller Co., Elizabeth, N. J.**
**Buffum Tool Co. ("Swastika," Boilermakers', Plumbers, Fire Hydrant), South Side, Louisiana, Mo.**
Carver Tool Works, Spring Valley, N. Y.
**Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.**
Delaware Tool Co., Wilmington, Del.
**Drew C. & Co., Kingston, Mass.**
**Eagle Tool Works, Bayonne, N. J.**
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
**Kraeuter & Co., 583 18th av, Newark, N. J.**
**Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.**
**Marine Hardware-Equipment Co. ("Acme" & Mheco"), So. Portland, Me.**
**Mueller H. Mfg. Co., Decatur, Ill.**
New York Mallet & Handle Works, 743 E 11th, New York
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Starbuck R. M. & Sons, Hartford, Conn.
**Stortz Jno. & Son (Plumbers'), 210 Vine, Phila., Pa.**
**Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.**
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 2467—Chisels (Cold & Cape)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
**Atwater Mfg. Co. (Tool Steel Cold Chisels), Southington, Conn.**
Badger Tool & Forge Co., 707 Nebraska, Oshkosh, Wis.
**Bagshaw & Field 445 N 5th, Phila., Pa.**
**Beall Bros., Alton, Ill.**
**Bicknell Mfg. & Supply Co., Janesville, Wis.**
Bonner Drop Forge Co. ("Victor" Drop Forged Cold Chisels), 111 W Washington, Chicago, Ill.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
**Braunsdorf-Mueller Co., Elizabeth, N. J.**
Brewer Bros. Co. (Cast Steel), 2nd & Somerset, Phila., Pa.
**Buck Bros., Millbury, Mass.**
**Buffum Tool Co. ("Swastika"), South Side, Louisiana,, Mo.**
**Carver Tool Works, Spring Valley, N. Y.**
**Champion Tool Co. (Cold Only), Meadville, Pa.**
Chicago Tool & Kit Mfg. Co., 12 N. Market, Chicago, Ill.
Cincinnati Tool Co. (Diamond Point, Half Round & Round Nose), Norwood, Cincinnati, O. *See adv index at end of book*

THE CINCINNATI TOOL CO.
HARGRAVE
Norwood, Cincinnati, O.

Cleveland Punch & Shear Works Co. (Diamond Point, Half Round Nose), 3921 St. Clair av, N E, Cleveland, O.
Cleveland Steel Tool Co. (Cold, All Shapes), 660 E 82nd, Cleveland, O.
Collins Co., Collinsville, Conn.
Crescent Novelty Mfg. Co. (Machinists & Plugging), 703 S B'way, St. Louis, Mo.
Cronk & Carrier Mfg. Co. (Cold Chisels Only), 150 Lake, Elmira, N. Y. *See adv index at end of book*
Delaware Tool Co., Wilmington, Del.
Dicke Tool Co., Downers Grove, Ill.
Drew C. & Co., Kingston, Mass.
Duffy J. F. Jr. (Cold), 563 Fulton, Chicago, Ill.
**Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.**
Eagle Tool Works, Bayonne, N. J.
Enderes, Inc. (¼ "⅜" Cold, Round Nose Cape, etc.), Albert Lea, Minn.
**Evansville Tool Works, Evansville, Ind.**
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Forged Products Co. ("Gibraltar"), Conway bldg, Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.
Hammond C. & Son (Cold), Ognotz, Pa.
Heller Bros. Co., 879 Mt Prospect av, Newark, N. J.
**Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.**
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Kilborn & Bishop Co. (Drop Forged), 194 Chapel, New Haven, Conn. *See adv index at end of book*
Klein-Logan Co. (Cold, Hand Chipping), 13th & Breed, Pittsburgh, Pa.
**Kraeuter & Co., 583 18th av, Newark, N. J.**
Leetonia Tool Co., Leetonia, Ohio
**Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.**
Marcy Tool Works, Putnam, Conn.
Mound Tool Co. (Engineers' Chums), 1203 S 7th, St. Louis, Mo.
Mueller H. Mfg. Co., Decatur, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Peck, Stow & Wilcox Co. (Cold), Southington, Conn.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Plumb Fayette R. (Inc.), Tucker & James, Phila., Pa.
S. & I. Co., Springfield, Mass.
Sargent & Co. (Cold), New Haven, Conn.
**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**
Smith H. D. & Co. ("Sharpen Ezy," Drop Forged), Plantsville, Conn.
Smith & Hemenway Co., Inc. (Cold), 261 B'way, New York, & 130 Coit, Irvington, N. J. *See adv index at end of book*
**Snell Mfg. Co. (Cold Chisels Only), Fiskdale, Mass.**
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Star Expansion Bolt Co., 145 Cedar, New York. *See adv index at end of book*
**Stortz Jno. & Son, 210 Vine, Phila. Pa.**
Strong Machinery & Supply Co ("Strong's Specialty"), 21 Walker, New York. *See adv index at end of book*
**Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.**
**Thomson Drop Forge Co., Plantsville, Conn.**
Tuck Mfg. Co. (Cold), Brockton, Mass.
**Van Doren Mfg. Co. ("Vandor") Chicago Heights, Ill.**
Vaughan & Bushnell Mfg. Co. ("V & B" Cast Steel), 2114 Carrol av, Chicago, Ill.
Verona Tool Wks., Oliver bldg, Pittsburgh, Pa., & Verona, Pa.

CHISELS (COLD & CAPE)—continued
Vichek Tool Co. ("Vichek") 8701 Mt. Auburn, Cleveland, O.
Warner Hammer Co., Cromwell, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 2468—Chisels (Diamond Point)

Chicago Tool & Kit Mfg. Co., 12 N. Market, Chicago, Ill.
Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*
Delaware Tool Co., Wilmington, Del.
Enders, Inc., Albert Lea, Minn.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.

## 2469— Chisels (Floor)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Delaware Tool Co., Wilmington, Del.
Eagle Tool Works, Bayonne, N. J.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
*See adv index at end of book*
Kraeuter & Co., 583 18th av, Newark, N. J.
Mueller H. Mfg. Co., Decatur, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Plumb Fayette R. (Inc.), Tucker & James, Phila., Pa.
S. & I. Co., Springfield, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stortz, Jno. & Son, 210 Vine Phila., Pa.
Van Doren Mfg. Co. ("Vandor"), Chicago, Heights, Ill.
Vichek Tool Co. ("Vichek") 8701 Mt. Auburn, Cleveland, O.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 2469a— Chisels & Gouges

PECK, STOW & WILCOX CO. ("Pexto"), Southington, Conn.
*See adv index at end of book*
S. & L. Co., Springfield, Mass.

## 2470—Chisels (Hollow Mortising, Etc.)

Defiance Machine Works (Hub), Defiance, Ohio
Forest City Bit & Tool Co. (Common, Hub, Franking, etc), Rockford, Ill.
Greenlee Bros. & Co., Rockford, Ill.
Pugh Job T., 31st & Ludlow, Phila., Pa.
Star Bit & Tool Co. ("W"), Rockford, Ill.

## 2471— Chisels (Ice)

See also Picks, Ice
American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Black, John B. Co. ("Wm. Beatty & Sons," with Socket), Chester, Pa.
Browne W. G. Mfg. Co. ("Keen O"), Kingston, N. Y.
Browne & Dowd Mfg. Co. ("B. & D. C."), Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Deuse J. S. Chester, Conn.
Gifford-Wood Co. (Summer Bars or Packing, etc), Hudson, N. Y.
Gilchrist Co., 236 Bank, Newark, N. J.
Landers, Frary & Clark (Steel Blades), New Britain, Conn.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Reading Saddle & Mfg. Co. (Steel), Reading, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Stortz John & Co., 210 Vine, Phila., Pa.
Wagner Mfg. Co., Cedar Falls, Ia.
White Ira F. & Son Co., Bloomfield, N. J.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

## 2472— Chisels (Oil Groove)

Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O
Van Doren Mfg. Co. ("Vandor" Machinists), Chicago Heights, Ill.

## 2473— Chisels (Plumbers')

Bicknell Mfg. & Supply Co., Janesville, Wis.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Delaware Tool Co., Wilmington, Del.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Delaware Tool Co., Wilmington, Del.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
S. & I. Co. ("Never-Break," Calking etc), Springfield, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse), Borden av, Syracuse, N. Y.
Van Doren Mfg. Co. ("Vandor"), Chicago, Heights, Ill.
Washington Cutlery Co., Watertown, Wis.

## 2474— Chisels (Pneumatic)

Chicago Pneumatic Tool Co., 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co., 3734 E 78th, Cleveland, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Cleveland Steel Tool Co. (Blank & Dressed), 660 E 82nd, Cleveland, O.
Delaware Tool Co., Wilmington, Del.
Helwig Mfg. Co., St. Paul, Minn.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Independent Pneumatic Tool Co., 600 W Jackson, Chicago, Ill.
Keller Pneumatic Tool Co., Fond-du-lac, Wis.
Klein-Logan Co., 13th & Broad, Pittsburgh, Pa.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill. *See adv index at end of book*
Rich Tool Co., Railway Exchange, Chicago, Ill.
Verona Tool Works, Oliver bldg, Pittsburgh, Pa.
Wissinoming Tool Works, Van Kirk & Trenton, Phila, Pa.

## Chisels (Shingle Ripping)

See Bars, Carpenters'

## Chisels (Ship)

See Chisels & Gouges, Carpenters'

## 2475—Chisels (Stone Cutters')

See also Drills, Stone
Anderson W. H. Tool & Sup. Co., 134 Brush, Detroit, Mich.
Brunner & Lay, 570 W Polk,, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Collins Co., Collinsville, Conn.
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Dallert, Thos. H. Co., 1301 Federal, Phila., Pa.
Delaware Tool Co., Wilmington, Del.
Evansville Tool Works, Evansville, Ind.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Kraeuter & Co., 583 18th av, Newark, N. J.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

## 2476— Chisels (Tile Setters')

Braunsdorf-Mueller Co., Elizabeth, N. J.
Kraeuter & Co., 583 18th av, Newark, N. J.

## 2477— Chisels (Track)

See also Tools, Track
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Beall Bros. (Inc.), Alton, Ill.
Collins Co., Collinsville, Conn.
Evansville Tool Works, Evansville, Ind.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Kalamazoo Ry. Supply Co., Kalamazoo, Mich.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
McInnes Steel Co. (Ltd.), Cory, Pa.
Plumb Fayette R. (Inc.), Tucker & James, Phila., Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Vaughan & Bushnell Mfg. Co. ("V & B" Tool Steel), 2114 Carroll av, Chicago, Ill.
Verona Tool Works, Oliver bldg, Pittsburgh, & Verona, Pa.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*
Warwood Tool Co., Warwood Wheeling, W. Va.
Western Tool & Forge Co., Brackenridge, Pa.

## Chisels (Turning)

See Chisels & Gouges, Carpenters

## 2478—Chisels & Gouges (Carpenters')

Bergholtz, Strodtz & Co., 2230 Ogden av, Chicago, Ill.
Black John B. Co. ("Wm. Beatty & Sons"), Chester, Pa.
Braunsdorf-Mueller Co. (Carpenters, Plumbers & Turning), Elizabeth, N. J.
Buck Bros. (All kinds of Socket & Tang), Millbury, Mass.
Buffum Tool Co. ("Swastika" Plumbers' & Wood turners', all Steel Handle), South Side, Louisiana, Mo.
Gardner Machine Works, Gardner, Mass.
Greenlee Bros. & Co. ("Reliance"), Rockford, Ill.
Jennings C. E. & Co. ("C. E. J. & Co.'s," "J. & G. Mfg. Co."), 71 Murray, New York
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R., Frankford, Phila., Pa.
Rockford Bit Co., Kokomo, Ind.
S. & I. Co. ("S. & I."), Springfield, Mass.
Stortz John & Son, 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
Thomson Drop Forge Co., Plantsville, Conn.
Union Hardware Co., Torrington, Conn.
Vaughan & Bushnell Mfg. Co. (All Steel), 2114 Carroll av, Chicago, Ill.
White L. & J. Co. (Full Line), 120 Columbia, Buffalo, N. Y.
Winsted Edge Tool Works ("T. H. Witherby") Winsted, Conn.
Wood G. E. Tool Co., Plantsville, Conn.

## 2479-80-1—Chloral Hydrate

Merck & Co., 45 Park Pl, New York.
Monsanto Chemical Works, St. Louis, Mo.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

## Chlorate of Potash

See Potash

## Chlorate of Soda

(See Sodium Chlorate)

## Chloride of Alumina

See Alumina

## Chloride of Barium

See Barium

## 2482— Chloride of Calcium

Breslauer A. (Industrial Chemicals), Am. Nat'l Bank bldg, San Francisco, Cal.
Columbia Chemical Co., Frick bldg, Pittsburgh, Pa.
Dickinson Jno. Q. & Co. ("Kanawha"), Malden W. Va.
Dow Chemical Co., Midland, Mich.
Eimer & Amend, 205 3d av, New York

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Pomeroy Chemical Co., Pomeroy, Ohio
Pomery Salt Assn. Co. ("Arctic"), Pomeroy, Ohio.
Rhodes Jas. H. & Co., 2810 S Albany, Chicago, Ill.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Saginaw Chemical Co., Saginaw, Mich.
**Schwenker Wm., 342 E 92d, New York**
Solvay Process Co., Syracuse, N. Y.
Van Schaack Peter & Sons (Jobbers, High Test), 118 W Lake, Chicago, Ill.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 2483-4— Chloride of Lime

See also Powder Bleaching

Acme White Lead & Color Works, St. Aubin & M. C. RR., Detroit, Mich.
Champion Chemical Works, 19 W Austin, Chicago, Ill.
Dow Chemical Co., Midland, Mich.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, Ohio
Hirsh L. & Son, 368 Greenwich, New York
Horton F. T. ("Robin Hood"), Hoboken, N. J.
Miller Jos. B., Finance bldg., Phila., Pa.
Mathieson Alkali Wks., Inc., 53 Canal, Providence, R. I.
Michigan Electrochemical Co., Menominee, Mich.
National Chemical Co. of Cal., 526 S Alameda, Los Angeles, Cal.
Penn Chemical Works ("Banner"), 1332 Washington av, Phila., Pa.
Pennsylvania Salt Mfg. Co. (For Purifying Water), Widener bldg, Phila., Pa.
Platt H. B., 42 Cliff, New York
Rath Mfg. Co. ("Imperial"), Hedley E. of Richmond, Phila., Pa.
Reichard F. A. (Importer), 303 5th av, New York
Wander S. & Sons Chem. Co., Albany, N. Y.
Wiarda John C. & Co. (Jobbers), 273 Greene, Brooklyn, N. Y.

## Chloride of Silver

See Silver Chloride

## 2485-6-7—Chloride of Sulphur

Dow Chemical Co. (Red & Yellow), Midland, Mich.
Highfield John W., 248 N 10th, Brooklyn, N. Y.
Hooker Electro Chemical Co., 40 Wall, New York.
Rollin Chemical Corp., 120 Broadway, New York *See adv index at end of book*
Scheel Wm. H. (Jobbers), 159 Maiden la, New York *See adv index at end of book*
Semet-Solvay Co., Syracuse, N. Y.
Stamford Rubber Supply Co., Stamford, Conn.
Warner Chemical Co., 52 Vanderbilt av, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Chloride of Tin

See Tin Chloride

## Chloride of Zinc

See Zinc Chloride

## Chlorinated Lime

See Powders, Bleaching

## 2488— Chlorinators

Valhalla Co. (For Laundries), 5332 B'way, Chicago, Ill.
Wallace & Tiernan Co., Inc. ("W. & T"), 349 B'way, New York.

## 2489— Chlorine

Arnold Hoffman & Co., 55 Canal, Providence, R. I.
Electro Bleaching Gas Co. (Liquid), 18 E 41st, N. Y
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Isco Chemical Co. ("Isco" & Derivatives), 46 Cliff, New York
Mathieson Alkali Wks., Inc. (Liquid & Chlorine Products), Niagara Falls, N. Y.
Metal Thermit Corp. (Liquid), 120 B'way, New York *See adv index at end of book*
Pennsylvania Salt Mfg. Co. (Liquid), **Widener bldg, Phila., Pa.**
Semet-Solvay Co., Syracuse, N. Y.

## 2490— Chloroform

Dow Chemical Co. (U S P), Midland, Mich.
Fuller, Ralph L. & Co. Inc., 81 Fulton New York.
Harshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, Ohio
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Midland Chemical Co., Midland, Mich.
New York Quinine Chem. Works, 135 William, New York
Pfizer Charles & Co., 81 Maiden la, Neew York
Roessler & Hasslacher Chemical Co., 709 6th av, New York

## 2491—Chocks (Boat & Ship)

Berry Chas. E (Adjustable), Sommerville. Mass.
Gillie Machine Co., Tonawanda, N. Y.
Loughlin Thos. Co., Portland, Maine.
Steward Davit & Equipment Corp., 17 Battery pl, N. Y.
**Superior Iron Works Co. (Roller), Superior, Wis.**
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox, Crittenden & Co., Inc. ("Skene"), Middletown, Conn.
*See adv index at end of book*

## 2492— Choppers (Apple)

Boutell Mfg. Co., Rochester, N. Y.
Smith's Jno. E. Sons Co. ("Buffalo," Silent), Buffalo, N. Y.

## Choppers (Ice)

See Breakers, Ice

## 2493-4—Choppers (Meat & Food)

American Cutlery Co. ("American"), 764 Mather, Chicago, Ill.
Athol Machine Co. ("American," for Hotels, Families, Butchers, etc), Athol. Mass.
Bolinders Co. ("Bolinders"), 39 Church, New York
Brecht Co., 1201 Cass av, St. Louis, Mo.
Canton Elec.-Cut Co., Canton, O.
Cincinnati Butchers' Supply Co., 2008 Central av, Cincinnati, O.
Colebrookdale Iron Co. ("Keystone") **Pottstown, Pa.**
Coles Mfg. Co. (Electric), 1625 N 23d, Phila., Pa.
Deer A. J. Co. ("Royal" Electric), Hornell, N. Y.
Enterprise Mfg. Co. of Pa. ("Enterprise"), 3d & Dauphin, Phila., Pa.
Getz M. & Co., 162 First, San Francisco. Cal.
Griswold Mfg. Co. ("Griswold"), Erie, Pa.
Hobart Mfg. Co. (Electric & Gasoline), Troy, O.
Holwick B. C., Canton, O.
Landers, Frary & Clark ("Universal," "Climax"), New Britain, Conn.
Master Cutter Mach. Co., North av, Oakley, Cincinnati, O.
**National Specialty Mfg. Co., 3d & Lehigh av, Phila., Pa.**
New Standard Hardware Works ("New Standard"), Mt. Joy, Pa.
Pan Elec. Mfg. Co., 735 S 4th, St. Louis, Mo.
Peck, Stow & Wilcox Co., Southington, Conn.
Peden Iron & Steel Co. ("Columbia"), Houston, Texas
Reading Saddle & Mfg. Co. ("Reading," Hand Vegetable, etc), Reading, Pa.
**Rollman Mfg. Co. (Ltd.), Mt. Joy, Pa.**
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Sanders Mfg. Co. (Power), 294 8th av, Newark, N. J.
Sargent & Co. ("Gem"), New Haven, Conn.
Smith's Jno. E Sons Co. ("Buffalo Silent," Hand or Power), Buffalo, N. Y.
**Steigert L. Co. (Also for Food, Belt Power), Logan & Elder, Cincinnati, O.**
Steiner Mfg. Co. (Electrical), 4100 N 21st, St. Louis, Mo.
Steinfeld Bros. ("Steinfeld"), 116 W 32d, New York
Stimpson Scale & Mfg. Co., Northville, Mich.
Streeter N. R. & Co. ("Sterling"), Rochester, N. Y.
Troemmer Hy., 911 Arch, Phila., Pa.

## Chromate of Iron

See Iron Chromate

## 2495— Chrome Alum

Avery Chemical Co., 88 Broad, Boston, Mass.
Bischoff C. & Co. (Imported), 451 Washington, New York
Herrick & Voigt, 68 Maiden Lane, New York.
Innis, Speiden & Co. Inc., 46 Cliff, New York. *See adv index at end of book*
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Verona Chemical Co., Verona av, Newark, N. J.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 2496— Chrome Black

**BUTTERWORTH-JUDSON CORP.** (F. F.), 61 Broadway, New York
*See adv index at end of book*
Central Dyestuff & Chemical Co., Newark, N. J.
Dye Products & Chemical Co., Inc., 200 5th av, New York
Klipstein A. & Co. (Also Liquid), 644 Greenwich, New York
Reisig Chas. H. ("Imperial"), for Tanners. etc) (Imp.), 269 Water, New York
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*

## 2496a— Chrome Blue

Central Dyestuff & Chemical Co., Newark, N. J.
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*

## 2497— Chrome Borate

Drakenfeld B. F. & Co. (Imp), 50 Murray, New York

## 2497a— *Chrome Brown

**BUTTERWORTH-JUDSON CORP.** (S. W. & B. Extra), 61 B'way, New York
*See adv index at end of book*

## 2497b— *Chrome Cyanide

**BUTTERWORTH-JUDSON CORP.** (R. R. Ex. Cone, R. V. B. B. V. R. R. V.), 61 B'way, New York
*See adv index at end of book*

## 2498— Chrome Green

Am. Aniline Products, Inc., 80 Fifth av, New York
**BUTTERWORTH-JUDSON CORP.** (2 B Supra & M. I. C.), 61 B'way, New York
*See adv index at end of book*
Campbell John & Co., 75 Hudson, New York
Drakenfeld B. F. & Co. (Imp), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Imperial Color Works, Glens Falls, N. Y.
National Sales & Trading Co., Cleveland, Ohio
United Color & Pigment Co., Waverly, Newark, N. J.
Waldo E. M. & F. (Selling Agts.), 11 B'way, New York
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*

## 2499— Chrome Oxide

Bischoff C. & Co. (Imp), 451 Washington, New York
Drakenfeld B. F. & Co. (Imp), 50 Murray, New York
Feuchtwanger L & Co., 74 Cortlandt, New York.
Imperial Color Works, Glens Falls, N. Y.

CHROME OXIDE—continued
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
National Sales & Trading Co. (I. R. Green), Cleveland, Ohio.
Roessler & Hasslacher Chemical Co. (Green), 709 6th av, New York
Uhlich Paul & Co. (Imp), 11 Cliff, New York
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*
Wiarda John C. & Co. (Also Fluoride), 273 Greene, Brooklyn, N. Y.

## 2499a— Chrome (Red)

Campbell John & Co., 75 Hudson, New York
Dye Products & Chemical Co., Inc., 200 5th av, New York
Imperial Color Works, Glens Falls, N. Y.
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*

## 2499b— *Chrome Violet

Butterworth-Judson Corp. (S. W.), 61 B'way, New York
*See adv index at end of book*

## 2500— Chrome Yellow

Am. Aniline Products, Inc., 80 Fifth av, New York
Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Atlantic Dyestuffs Co., 88 Ames bldg, Boston, Mass.
Campbell John & Co., 75 Hudson, New York
Chrome Color Works (All Shades), Matawan, N. J.
Dye Products & Chemicals Co., Inc., 200 5th av, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Howell C. H. & Co. ("Queens"), 212 Race, Phila., Pa.
Imperial Color Works, Glens Falls, N. Y.
Imperial Color Wks., Inc., 47 W. 34th, New York
Jaenecke-Aultho, Newark, N. J.
Nat'l Gum & Mica Co., 59th & 11th av, New York
National Sales & Trading Co. (C. P.), Cleveland, Ohio
Scheel Wm. H. (Imported), 159 Maiden la, New York *See adv index at end of book*
United Color Pigment Co., Waverly, N. J.
Wood's Henry Sons Co., Wellesley, Mass.
Waldo E. M. & F. (Selling Agts.), 11 B'way, New York
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

## 2501— Chromium

Durfee Winthrop, 516 Atlantic, Boston, Mass.
Foote Mineral Co. (Imp.), 107 N 19th Phila,. Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
**METAL & THERMIT CORP.**, 120 Broadway, New York
*See adv index at end of book*
Pfaltz & Bauer (Sulphate, Imp), 300 Pearl New York
York Ferro Alloys Co., York, Pa.

## 2501a— Chromium Acetate

Avery Chemical Co., 88 Broad, Boston, Mass.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio.
Herrick & Voigt, 68 Maiden lane, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wolf Jacques & Co., Passaic, N. J.
**YORK METAL & ALLOY CO.**, York, Pa.

## 2502— Chromium Metal

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Vanadium Corp. of Am. Equitable bldg, New York

## 2502a— Chromium Oxide

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 2502b— Chromium Sulphate

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio

## 2503— Chronographs

Bausch & Lomb Optical Co., Rochester, N. Y.
Du Vivier Ernest H. (Imp), 30 Church, New York
Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.
Hydro Mfg. Co. ("Hydro"), Bullitt bldg, Phila., Pa.
International Instrument Co., 23 Church, Cambridge, Mass.
King Lock Co., 319 W Ohio, Chicago, Ill.
Queen-Gray Co., 618 Chestnut, Phila., Pa.

## 2504— Chronometers

Bliss Jno. & Co. (Nautical, etc), 128 Front, New York
Bond Wm. & Son (Marine, Sidereal & Electric Break Circuit), 22 Beacon, Boston, Mass.
Lietz A. Co., 61 Post, San Francisco, Cal.
Medinger Thos. G. (Marine & Pocket), 16 Beaver, New York
Merrill's Robt. Sons, 66 South, New York
Negus T. S. & J. D., 140 Water, New York
Nautical Instrument Mfg. Co., Inc., 47 West, New York
Riggs & Bro. (Nautical, etc), 310 Market, Phila., Pa.
Rupp Michael & Co. (Nautical, etc), 112 Broad, New York

## 2504a— Chrysoidine

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Metz H. A. & Co., Inc., 122 Hudson, New York
National Gum & Mica Co., 59th & 11th av New York

## 2505—Chucks (Air Operated)

American Pneumatic Chuck Co. ("American"), 9 So Clinton, Chicago, Ill.
Efficiency Device Corp (For Auto Tires), 199 8th, Long Island City, N. Y.
Frontier Chuck & Tool Co., Lavoie, 30 Letchworth, Buffalo, N. Y.
Gisholt Machine Co., Madison, Wis.
Hannifin Mfg. Co. ("Aero"), 621 S Kolmar av, Chicago, Ill.
Manufacturers Equipment Co., Waller av & Fillmore, Chicago, Ill.

## 2506— Chucks (Bit Brace)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Imboden I. C. Mfg. Co. ("I. C. I."), Cleona, Pa.

## 2507—Chucks (Boring & Turning Mill)

Cushman Chuck Co., Hartford, Conn.
Gisholt Machine Co., Madison, Wis.
Horton E. & Son Co., Windsor Locks, Conn.
**UNION MFG. CO.** ("Union"), 300 Church, New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.
**WHITON D. E. MFG. CO.**, New London, Conn. *See adv index at end of book*

## 2508-9—Chucks (Car Wheel)

Hoggson & Pettis Mfg. Co. ("Sweetland"), New Haven, Conn.
Horton E. & Son Co., Windsor Locks, Conn.
Oneida National Chuck Co., Oneida, N. Y.
Skinner Chuck Co., New Britain, Conn.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.
**WHITON D. E. MFG. CO.**, New London, Conn. *See adv index at end of book*

## Chucks (Centering)

See Chucks, Lathe

## 2510— Chucks (Drill)

Almond T. R. Mfg. Co. ("Almond" Standard & Geared), Ashburnham, Mass.
Brown R. H. & Co. ("Reed"), New Haven, Conn.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Clark Equipment Co. ("Celfor" & "Rich"), Buchanan, Mich.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Cushman Chuck Co., Hartford, Conn.
**DETROIT TWIST DRILL CO.** (Graham"), 555 Fort, Detroit, Mich.
*See adv index at end of book*
Eastern Tube & Tool Co., Inc., 594 Johnson av, Brooklyn, N. Y.
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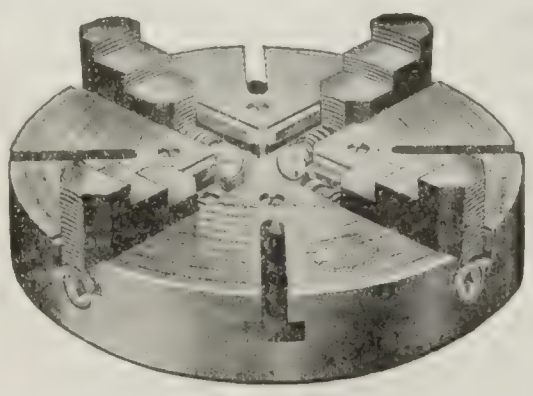

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Horton E. & Son Co. ("Horton," "Morrow" Hand Operated Ball Bearing), Windsor Locks, Conn.
**Jacobs Mfg. Co. ("Jacobs"), 894 Park, Hartford, Conn.**
*See adv index at end of book*
McCrosky Reamer Co. ("Quick Change," "Wizard"), Meadville, Pa.
Millers Falls Co. ("Barber"), Millers Falls, Mass.
Modern Tool Co. ("Magic," also for Reamers & Counterbores. Taps, etc.), 300 State, Erie, Pa.
Moller Machine Co. (Oval), New Rochelle, N. Y. *See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse Beach," "Morse Stetson" & Center Drill), New Bedford, Mass.
Narragansett Machine Co. ("Coit"), Providence, R. I.
National Twist Drill & Tool Co., Detroit, Mich.
Nielson-Barton Chuck Co., 106 S Jefferson, Chicago, Ill. *See adv index at end of book*

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106 So. Jefferson St. Chicago, Ill.

North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
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Pratt Chuck Co. ("Empire" Friction Drive, also makers of "Improved Positive Drive"), Frankfort, N. Y.
Rich Tool Co., Ry. Exch. bldg, Chicago, Ill.
Saunders D. Sons (Also Tap), Yonkers, N. Y.
Skinner Chuck Co. ("Skinner," "Standard," "New Model," "Geared Patern," "Positive Drive," "Pinion Key"), New Britain, Conn.
**SMITH & HEMENWAY CO., INC.** ("Giant"), 261 H. B'way, New York, & 130 H. Coit, Irvington, N. J.
*See adv index at end of book*
Standard Tool Co., 6700 Central v, Cleveland, O.
Swedish Gage Co., Inc, ("Gronkvist"), 245 W 65th, New York
Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.
**UNION MFG. CO.** ("Czar"), 300 Church, New Britain, Conn.
*See adv index at end of book*
Victor Tool Co. ("Victor"), Waynesboro, Pa.
Wahlstrom Tool Co. (Automatic), 5520 2d av, Brooklyn, N. Y.
Weaver Mfg. Co. ("Weaver's Roller Jaw), Springfield, Ill.
Westcott Chuck Co. ("The Westcott," "Oneida" & "Little Giant"), Oneida, N. Y.
Whitney Mfg. Co. ("Presto"), Hartford, Conn.
**WHITON D. E. MFG. CO.**, New London, Conn. *See adv index at end of book*

## 2511— Chucks (Engravers')

Kohaut John C., 117 Green, Newark, N. J.

## 2511a—Chucks (Expanding)

**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.

## 2512—Chucks (Gate Valve Seating)

Hannifin Mfg. Co. ("Aero" Air Operated), 621 S Kolmar av, Chicago, Ill.

## 2513— Chucks (Grinder)

Garrison Machine Works, Dayton, Ohio
Graham Mfg. Co., 96 Point, Providence, R. I.
Terkelsen & Wennberg ("T & W"), 328 A, Boston, Mass.

## 2514— Chucks (Jaw)

American Tool & Machine Co., 10 High, Boston, Mass.
Cleveland Twist Drill Co. (Two Jaw), **1 E 49th, Cleveland, O.**
Cushman Chuck Co. (Face Plate), Hartford, Conn.
Fray Jno. S. Co. (Three Jaw), Bridgeport, Conn.
Gisholt Machine Co. (Three or Four Jaw), Madison, Wis.
Hoggson & Pettis Mfg. Co. ("Sweetland" Two-Jaw Slip Jaw), New Haven, Conn.
Horton E. & Son Co. (Reversible), Windsor Locks, Conn.
Oneida National Chuck Co., Oneida, N. Y.
Pinkerton Mfg. Co., Phila., Pa.
Quick-Change Chuck Mfg. Co., Arcanum, Ohio
Saunders D. Sons, Yonkers, N. Y.
**UNION MFG. CO.** ("Union"), 300 Church, New Britain, Conn.
*See adv index at end of book*
Weaver Mfg. Co. ("Weaver's" Roller), Springfield, Ill.
**WHITON D. E. MFG. CO.**, New London, Conn. *See adv index at end of book*

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Carroll Jamieson Machine Tool Co., Batavia, O.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Commonwealth Supply Co. ("Moss Universal" for Loomotive Driving Boxes), Mutual bldg, Richmond, Va.
Cushman Chuck Co., Hartford, Conn.
Gisholt Machine Co., Madison, Wis.
Hannifin Mfg. Co. ("Aero" Air Operated), 621 S Kolmar av, Chicago, Ill.
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Leavitt Machine Co., Orange, Mass.
Millers Falls Co. ("Barber"), 28 Warren, New York
**Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 Washington, Chicago, Ill.**
*See adv index at end of book*
Oneida National Chuck Co., Oneida, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Simplex Tool Co., Woonsocket, R. I.
Skinner Chuck Co. ("Skinner"), New Britain, Conn.
Strobl Mfg. Co., 410 N Western av, Chicago, Ill. *See adv index at end of book*
Terkelsen & Wennberg ("T & W"), 328 A, Boston, Mass.
Thomas Elevator Co. (Wrenches), 20 S Hoyne, Chicago, Ill.
**UNION MFG. CO.** ("Union"), 300 Church, New Britain, Conn.
*See adv index at end of book*
Westcott Chuck Co. (The "Westcott Combination," Independent, Universal & Eccentric), Oneida, N. Y.
**WHITON D. E. MFG. CO., New London,** Conn. *See adv index at end of book*

## 2516— Chucks (Lever)

Potter & Johnston Machine Co. ("Universal Automatic"), Pawtucket, R. I
Saunders D. Sons, Yonkers, N. Y.
Skinner Chuck Co., New Britain, Conn.
Westcott Chuck Co., Oneida, N. Y.

## 2517— Chucks (Magnetic)

Besly Chas. H. & Co. ("Besly" Rotary), 120 N Clinton, Chicago, Ill.
D. & W. Fuse Co., Hathaway, Providence, R. I.



Diamond Mach. Co., Providence, R. I.
Gardner Machine Co. ("Gardner" Rotary), Beloit, Wis.
**HEALD MACHINE CO. ("Heald") Worcester, Mass.**
Persons-Arter Machine Co. ("Persons-Arter"), Worcester, Mass.
Taft-Peirce Mfg. Co., Woonsocket, R. I.
Walker O. S. Co., Worcester, Mass.

## 2518—Chucks (Milling Machine)

Brown & Sharpe Mfg. Co., Providence, R. I.
Hannifin Mfg. Co. ("Aero" Air Operated), 621 S Kolmar av, Chicago, Ill.
Horton E. & Son Co., Windsor Locks, Conn.
Oneida National Chuck Co., Oneida, N. Y
Terkelsen & Wennberg ("T & W"), 328 A, Boston, Mass.
**UNION MFG. CO.** ("Union"), 300 Church, New Britain, Conn.
*See adv index at end of book*
**WHITON D. E. MFG. CO., New London,** Conn. *See adv index at end of book*

## 2519-20— Chucks (Nipple)

Bignall & Keeler Machine Works, Edwardsville, Ill.
Glauber M. & Co., 103 Varick, New York
Jarecki Mfg. Co., Erie, Pa.
Murchey Machine & Tool Co. ("Quick-Acting"), 85 Porter, Detroit, Mich.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 2521— Chucks (Planer)

Cincinnati Planer Co., Cincinnati, O.
**Fox Machine Co., Jackson, Mich.**
Horton E. & Son Co., Windsor Locks, Conn.
Redin, Ekstrom & Co., Rockford, Ill.
**Skinner Chuck Co. ("Skinner"), New Britain, Conn.**
**UNION MFG. CO.** ("Union"), 300 Church, New Britain, Conn.
*See adv index at end of book*

## 2521a— Chucks (Pneumatic)

American Pneumatic Chuck Co. ("American" Air Operated), 95 Clinton, Chicago, Ill.
Detroit Pneumatic Chuck Co., 516 F. P. bldg, Detroit, Mich.
Neidow & Payson Co., 9 S. Clinton, Chicago, Ill.

## 2522— Chucks (Projectile)

Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
*See adv index at end of book*
**WHITON D. E. MFG. CO., New London,** Conn. *See adv index at end of book*

## 2523— Chucks (Revolving)

Modern Tool Co. ("Magie"), 300 State, Erie, Pa.
*See adv index at end of book*
Scott & Sons Co. ("Ess-Ess"), Medford, Mass.

## 2524—Chucks (Screw Machine)

Garvin Machine Co., 147 Varick, New York
Gisholt Machine Co., Madison, Wis.
Horton E. & Son Co., Windsor Locks, Conn.
Oneida National Chuck Co., Oneida, N. Y.
**UNION MFG. CO.** ("Union"), 300 Church, New Britain, Conn.
*See adv index at end of book*
Westcott Chuck Co. ("Westcott Little Giant"), Oneida, N. Y.
**WHITON D. E. MFG. CO., New London,** Conn. *See adv index at end of book*

## 2525-6— Chucks (Scroll)

Cushman Chuck Co., Hartford, Conn.
Gisholt Machine Co., Madison, Wis.
Goodell-Pratt Co., Greenfield, Mass.
Hoggson & Pettis Mfg. Co. ("Sweetland" Geared), New Haven, Conn.
Horton E. & Son Co., Windsor Locks, Conn.
Oneida National Chuck Co., Oneida, N. Y.
Skinner Chuck Co. ("Skinner"), New Britain, Conn.
Terkelsen & Wennberg ("T & W"), 328 A, Boston, Mass.
**UNION MFG. CO.** ("Union," Geared, etc.), 300 Church, New Britain, Conn.
*See adv index at end of book*
Westcott Chuck Co., Oneida, N. Y.
**WHITON D. E. MFG. CO., New London,** Conn. *See adv index at end of book*

## 2527— Chucks (Spinning)

Hay-Budden Mfg. Co. (Forged Tool Steel). 254 N Henry, Brooklyn, N. Y.

## 2528— Chucks (Split)

**AMES B. C. CO.** ("Ames"), North Station, Waltham, Mass.
*See adv index at end of book*
Hardinge Bros. (Draw Back & Thrust), 4203 Ravenswood av, Chicago, Ill.
*See adv index at end of book*
Rivett Lathe & Grinder Co. (Self-Centering), 2 Brooks, Brighton, Boston, Mass.
Sloan & Chace Mfg. Co., 351 6th av, Newark, N. J.

## 2529— Chucks (Spring)

Clough R. M., Tolland, Conn.

## 2530— Chucks (Tapping)

Bicknell-Thomas Co. ("Bicknell-Thomas"), Greenfield, Mass.
Decatur Pump & Mfg. Co. (Friction), Decatur, Ill.
Errington F. A. (Auto Reverse), 39 Cortlandt, New York
Horton E. & Son Co., Windsor Locks, Conn.
McCrosky Reamer Co., Meadville, Pa.
Modern Tool Co. ("Magic"), 300 State, Erie, Pa. *See adv index at end of book*
**NELSON-BLANCK MFG. CO.,** Dubois & Clay av, Detroit, Mich.
*See adv index at end of book*
Oneida National Chuck Co., Oneida, N. Y.
Peter Bros. Mfg. Co. ("Woodstock"), ("Safety"), Algonquin, Ill.
St. Louis Machine Tool Co., 922 Loughborough, St. Louis, Mo.
Scully Jones & Co., Railway Exchange, bldg, Chicago, Ill.

Skinner Chuck Co. ("Skinner," "Positive Drive"), New Britain, Conn.
**Victor Tool Co. ("Victor"), Waynesboro, Pa.**
**Westcott Chuck Co., Oneida, N. Y.**
Whitney Mfg. Co. ("Presto"), Hartford, Conn.

## 2531—Chucks (Track Drill)

**Handlan-Buck Mfg. Co. ("Handlan"), 210-14 N 3rd, St. Louis, Mo.**

## 2532—Chucks (Wire or Wheel)

**Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.** *See adv index at end of book*
**Welch T. F. Co., 55 Sudbury, Boston Mass.**

## Church Seating

See Furniture, Church

## 2533—Church Spires Repaired

**Wightman Andrew, Peekskill, N. Y.**

## 2534— Churn Dashers

**Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.**
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## 2535— Churns

**See also Dairy Apparatus & Supplies**

**American Stamping & Enameling Co.** (Enameled Steel), Bellaire, O.
**Aquatic Cream Separator Co. ("Eureka" Barrel Revolving), Rochester, N. Y.**
Babcock W. W. Co. ("Jackson"), Bath, N. Y.
**Bing John ("R. V. Humersdorff Mache"), 381 4th av, New York**
**Brown M. Co. ("Brown," "Bent Wood," "Ash Dash"), Wapakoneta, O.**
**Burrell D. H. & Co. ("Simplex" Power Churn & Butter Worker Combined for Creameries, etc), Little Falls, N. Y.**
**Constance Lumber Co., Mansfield, O.**
**Creamery Package Mfg. Co. ("C. P."), 61 W. Kinzie, Chicago, Ill.**
Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
**Dazey Churn Mfg. Co. ("Dazey" & "Family" Glass & Metal), 4301 Warne, St. Louis, Mo.**
**Dobson Mfg. Co. ("Favorite," Barrels, Revolving, 6 to 90 gallons), Rockford, Ill.**
**Hall Bros. Co. ("Blanchard," "Lightning" & "Cylinder"), West Acton, Mass.**
**Hill Wm. C. (Dairy & Creamery), Brasher Falls, N. Y.**
**Hodges Wm. & Co. (Glass), 11 S 2d, Phila., Pa.**
**Kohler Die & Specialty Co., De Kalb., Ill.**
**Landers, Frary & Clark ("Universal" Hand), New Britain, Conn.**
**Lisk Mfg. Co. (Ltd.) ("Lisk" Anti-Rust Tinware), Canandaigua, N. Y.**
**Lown & Son, Poughkeepsie, N. Y.**
**McDermaid J. ("Belle," "Star," White Oak Barrel Revolving, Power, etc, 10 to 100 Gallons), Rockford, Ill.**
**Mason Mfg. Co. ("Challenge" Geared), Canton, O.**
**Owatonna Fanning Mill Co. ("New Owatonna"), Owatonna, Minn.**
**Owatonna Mfg. Co. ("Dual"), Owatonna, Minn.**
**Reid A. H. Creamery & Dairy Supply Co. ("Reid," "Rectangular" Barrel Revolving & Box Factory), 69th & Haverford, Phila., Pa.**
**Richmond Cedar Works ("White Cedar," Cylinder, Staff or Dash), Fulton, Richmond, Va.**
Roberts Lightning Mixer Co. ("Roberts" for Family Use), 39 Pearl, Boston, Mass.
**Rumley Leo Tractor Co. ("Owatonna"), La Porte, Ind.**
Standard Churn Co. ("O. K.," "Standard," Anti-Bentwood Barrel, Revolving; Box Factory, Ash Dash, up to 12 Gallons), Wapakoneta, O.
Sturges & Burn Mfg. Co. (Steel), 838 W Congress, Chicago, Ill.
**Superior Churn & Mfg. Co. ("Superior," Stoneware Barrel, Glass Top), Northville, Mich**
**Uhl Pottery Co. (Stoneware), Evansville, Ind.**
**Vermont Farm Machine Co. ("Vermont," "Davis," Swing, Cypress, Oak & Pine), Bellows Falls, Vt.**

## 2536— Churns (Creamery)

**Burrell D. H. & Co. ("B. & W." Square Box), Little Falls, N. Y.**
**Creamery Package Mfg. Co. ("C. P."), 61 W Kinzie, Chicago, Ill.**
**Minnetonna Co., Owatonna, Minn.**
**Oakes & Burger Co. (Square Box & "Cattaraugus," "Victor," "Disbrow" Churn & Worker "Bell" Barrel, etc), Cattaraugus, N. Y.**
**Reid A. H. Creamery & Dairy Supply Co. ("Reid's"), 69th & Haverford, Phila., Pa.**
**Vermont Farm Machine Co. ("V. F. M."), Bellows Falls, Vt.**

## 2536a—Churns (Rubber Cement)

American Tool & Machine Co., 10 High, Boston, Mass.
Ross Charles & Son Co., 148 Classon av, Brooklyn, N. Y.

## 2536b— *Chutes (Cableway)

Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 2537— Chutes (Coal)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
American Coal Chute Co., 14 Buffington av, Newark, N. J.
**Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.**
**Archer Iron Works, 2436 W. 34th pl, Chicago, Ill.**
**Beckley Perforating Co., Garwood, N. J.**
**Bergen Point Iron Works, Bayonne, N. J.**
**Binghamton Mfg. Co., Binghamton, N. Y.**
**Birch Mfg. Co., 1276 Clybourn av, Chicago, Ill.**
**Burrel Engineering Construction Co., 323 S La Salle, Chicago, Ill.**
**Bushnell Tank Works, Bushnell, Ill. La Salle, Ill.**
**Canton Foundry & Machine Co. ("Canton" Automatic Self-Locking for Residences). Canton, O.**
**Channon Jas. H. Mfg. Co. (Ore Wagon), 227 W Erie, Chicago, Ill.**
**Chattanooga Boiler & Tank Co., Chattanooga, Tenn.**
**Church Appliance Mfg. Co. ("Ottomatic"), La Salle, Ill.**
Clark W. J., Co., Salem, O.
**Columbia Iron & Wire Wks Co. ("Columbia" for Residences, Stores, Public Buildings, etc.), Canton, O.**
**Columbus Structural Steel Co., Columbus, Ohio**
**Consolidated Iron Works, Hoboken, N. J.**
**Covert H. W. Co. (Iron Coal Windows), 137 E 46th, New York**
**Decatur Cornice & Roofing Co., New Decatur, Ala.**
**Desmond M. Mfg. Co., Edwardsville, Ill.**
**Diamond Machine Co., Monongahela, Pa.**
**DONLEY BROS. CO.** ("D. B."), 3625 E 74th, Cleveland, O.
*See adv index at end of book*
**Eagle Iron Works (For Mines), Des Moines, Ia.**
**Enterprise Iron Wks., Albert Lea, Minn.**
**Fabricated Steel Products Corp., Box 505, Leetonia, O.** *See adv index at end of book*
**Fairbanks-Morse & Co., 900 S Wabash av, Chicago, Ill.**
**Fairmont Mining Machinery Co. (For Mines), Fairmont, W. Va.**
**Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.**
*See adv index at end of book*
**Gordon Lawless Co., Omaha, Neb.**
**Grand Rapids Foundry Co. ("Roenius," one piece steel), Grand Rapids, Wis.**
**Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.**
**Hastings Foundry & Iron Works ("Queen City" Window), Hastings, Neb.**
**Helmick Foundry & Machine Co., Fairmont, W. Va.**
**Hendrick Mfg. Co., Carbondale, Pa.**
**Holland Furnace Co. (Window), Holland, Mich.**
**HOLMES ROBT. & BROS.** (For Mines), Danville, Ill.
*See adv index at end of book*
**Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.**
Hunt C. W. Co, West New Brighton, N. Y.
*See adv index at end of book*
**Indiana Foundry Co., Indiana, Pa.**
**JACKSON EDWIN A. & BRO. (INC.)** ("Majestic," Steel for Coal, Wood, Vegetables, etc). 50 Beekman, New York *See adv index at end of book*
**JEFFREY MFG. CO** (Chutes & Screens Combined), 961 N Fourth, Columbus, O. *See adv index at end of book*
**Kewanee Mfg. Co. (Cellar Window), Kewanee, Ill.**
**Klauer Mfg. Co., Dubuque, Iowa.**
**Koller E. L. Mfg. & Coal Chute Co. (Galvanized), 276 Sussex av, Newark, N. J.**
**Kramer J & Sons Mfg. Co. (Wagon), 675 Water, New York**
**Lansing Co., Lansing, Mich.**
**Lee Loader & Body Co., 2343 So La Salle, Chicago, Ill.**
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phil., Pa.
*See adv index at end of book*
**Littleford Bros., 444 E Pearl, Cincinnati, Ohio.**
**Lucas A. & Sons (For Dwellings), 1329 S Washington, Peoria, Ill**
**Majestic Co. ("Majestic," Residence, Store, Gradeline, for Wood, Coal, Vegetables, etc.), Huntington, Ind.**
**National Boiler & Sheet Iron Works (Ash & Coal), Indianapolis, Ind.**
**National Mfg. Co. ("Best"), Sterling, Ill.**
**Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.**
**Ohio Galvanizing & Mfg. Co. (Steel), Niles, Ohio**
**Price-Evans Foundry Co., Chattanooga, Tenn.**
**Quaker City Iron Works, Tioga & Richmond, Phila., Pa.**
**Raub Supply Co., Lancster, Pa.**
**Remaly Mfg. Co., Tamaqua, Pa.**
**Republic Structural Iron Wks Co., 1350 E 53rd, Cleveland, O.**
**Rex-Harris Fire Appliance Co. (Iron), 310 W. 39th, New York**
**Richards Iron Work ("Model") Burglar Proof, Also for Wood & Vegetables, Also Flush Sidewalk Chutes), Manitowoc, Wis.**
**Sackett Screen Co., Fredonia, N. Y**
**Sackett H. B. Screen & Chute Co. (For Coal Yards), 1691 Elston av, Chicago, Ill.**
**Scaife W. B. Sons Co., 1st Natl. Bank bldg, Pittsburgh, Pa., and 26 Cortland, New York** *See adv index at end of book*
**Shultz All Steel Corner Post Co. ("Shultz" Burglar Proof), St. Joseph, Mo.**
**Steel Basket Co., Cedar Rapids, Ia.**
**Sterling Foundry Co. ("Best" Fuel Chute). Sterling, Ill.**
**Stolz Jos. & Son, Inc., 841 E 136th, New York**
**Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.**
*See adv index at end of book*
**Turl Iron & Car Co. Inc. The, 50 Broad, New York. Works: Newburgh, N. Y.**
**Union Iron Works, Hoboken, N. J.**
**U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.**
**Wagner Mfg. Co., Sidney, Ohio**
**Waterloo Register Co., Waterloo, Ia.**
**York Foundry & Engine Works (Cellar), York, Neb.**

## 2538—Chutes (Coal, Foundation Wall)

Covert H. W. Co., 137 E 46th, New York
**DONLEY BROS. CO.,** 3625 E 74th, Cleveland, O. *See adv index at end of book*
**JACKSON EDWIN A & BRO.** (Inc.), ("Majestic"), 50 Beekman, New York
*See adv index at end of book*

## 2539—Chutes (Coal, Locomotive Coaling, Etc.)

Chain Belt Co., Milwaukee, Wis.
**Dempcy-Degener Co., 307 4th av, Pittsburgh, Pa.**
**Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.**
**Hunt C. W. Co., West New Brighton, N. Y.**
*See adv index at end of book*
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
**Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.**

CHUTES (COAL, LOCOMOTIVE COALING, ETC.)—continued
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*

## 2540— Chutes (Concrete)

Insley Mfg. Co. (Open, Closed & Flexible, with Accessories), 3500 E. St. Clair, Indianapolis, Ind.
**LAKEWOOD ENGINEERING CO.**, Cleveland, O. *See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO. U.S.A.

Ransome Concrete Machinery Co., Dunellen, N. J.
Union Iron Works, Hoboken, N. J.

## 2540a—*Chutes (Counterweighted)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2541—Chutes (Ice Recording)

Jamison Cold Storage Door Co., Hagerstown, Md.
Jones R. E. ("Victor"), Hagerstown, Md.
Stevenson Cold Storage Door Co., Chester, Pa.
Victor Cooler Door Co., Hagerstown, Md.

## 2542— Chutes (Package)

See also Conveyors, Gravity

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Dow Wire & Iron Works ("Dow" Spiral, etc), Louisville, Ky.
Haslett Spiral Chute Co., 2008 W. Madison, Phila., Pa. *See adv index at end of book*

**The Haslett Spiral Chute Co.**
Manufacturers of
Spiral Chutes, Gravity Roller Conveyor and all types of power-driven Merchandise Conveyors.
Office and Factory
2008 W. Madison
Philadelphia, Pa.
Pacific Coast Office
310 California St.
San Francisco, Cal.

Stolz Jos. & Son, Inc., 841 E 136th, New York

## 2542a—*Chutes (Portable Plants)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2542b—*Chutes (Quick Shift Unit Plants)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2543— *Chutes (Sand)

See also Chutes, Coal

**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*

## 2543a—*Chutes (Sliding Plane Unit Plants)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 2543b— *Chutes (Spiral)

**ALVEY-FERGUSON CO.**, 70 North av, Oakley, Cincinnati, O.
Haslett Spiral Chute Co., 2008 W. Madison, Phila., Pa. *See adv index at end of book*

## 2544— Chutes (Steel Plate)

Chain Belt Co., Milwaukee, Wis.
Grand Rapids Foundry Co. (For Cases, Boxes, etc), Grand Rapids, Mich.



**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Lucas A. & Sons (For Coal, etc), 1329 S Washington, Peoria, Ill.
McNamara Bros. Co., Westport, Md.
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
**ST. PAUL FOUNDRY CO.**, Como av. & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Turl Iron & Car Co. Inc. The, 50 Broad, New York. Works: Newburgh, N. Y.

## 2545— Cigar Makers' Supplies

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heltzel Steel Form & Iron Co., Warren, O.
Miller, Du Brul & Peters Mfg. Co. (Packers), 507 E Pearl, Cincinnati, O.

## 2546— *Cigars (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 2546a— Cinchonidine & Salts

Greeff R. W. & Co., 80 Maiden lane, New York
Powers-Weightman-Rosengarten Co., 916 Parish, Phila., Pa.

## 2546b— Cinchonine

Greeff R. W. & Co., 80 Maiden lane, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

## 2547—*Circles (Brass, Copper & Bronze)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Wahr Britton Corporation (Also Aluminum), 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 2548— Circles (Platform)

Akron-Selle Co. (For Wagons, Trucks, etc), Akron, O.
Herbrand Co. (For Wagons, Trucks, etc), Fremont, O.

## 2549— Circles (Tin)

Ammidon & Co., 31 S Frederick, Baltimore, Md.
Horan Stay Hanger Co., 1932 W Jefferson, Louisville, Ky.

## 2550— Circulators (Boiler)

Bloomsburg H. & Co., 425 N Carey, Baltimore, Md.
Eckliff Automatic Boiler Circulator Co. ("Eckliff" Automatic for Marine Boilers), 48 Shelby, Detroit, Mich.
McNab Co. ("Cascade"), Bridgeport, Conn. *See adv index at end of book*
Vulcan Fuel Economy Co., 828 B Transportation, Chicago, Ill.
*See adv index at end of book*

## 2551— *Circus Lights

See also Lights, Contractors'

MacLeod Co., 2227 Bogen, Cincinnati, Ohio
*See adv index at end of book*

## 2552-3— Cisterns

Barnes & Nuss Co. (Galv. Steel), Grand Forks, N. D.
Harry Bros. Co (Corrugated Galvanized Iron), Carr. & I. C. R. R., New Orleans, La.
Holzer R. G. (Est. of) (Corrugated Rain), 317 Burgundy, New Orleans, La.
Kelly Foundry & Machine Co. (Galvanized Steel), Goshen, Ind.
Martin Metal Mfg. Co. (Galvanized Steel), Wichita, Kan.
New Orleans Roofing & Metal Co. ("Nola" Galvanized Iron), Corte & Orleans, New Orleans, La.

## Civil Engineers' Instruments

**See Architects' & Engineers' Instruments & Supplies, also Engineering & Surveying Insrtuments.**

## 2554-5—Clamp & Drill Combined

Burritt O. W. & Bro. ("Burritts"), Weedsport, N. Y.

## Clamps (Adjustable)

See Clamps, Carpenter, Adjustable Screw, etc.

## 2556— Clamps (Basin)

American Brass & Copper Co., 138 Lafayette, New York
American Pin Co. ("Ampinco"), Waterbury, Conn.
Blessing C. A., 516 Montgomery, Phila., Pa.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Glauber Brass Mfg. Co. ("Magic"), 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Grabler Mfg. Co. (Adjustable), Cleveland, Ohio
Haines, Jones & Cadbury Co. ("Crescent"), 1136 Ridge av, Phila., Pa.
Hampden Brass Co., Springfield, Mass.
Haydenville Co., Haydenville, Mass.
Stebbins E. Mfg. Co., Springfield, Mass.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Trenton Brass & Machine Co. ("Crescent," "Star"), Trenton, N. J.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Wolverine Brass Works ("Never-Slip," "Star"), Grand Rapids, Mich.

## 2557— Clamps (Beam)

See also Clamps, Pipe; also Clamps, Conduit Pipe, Hanging

Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Austin & Eddy, 117 Broad, Boston, Mass.
Beaton & Cadwell Mfg. Co. ("Jumbo" Pipe), New Britain, Conn.
Brown A. & F. Co. (For Power), 79 Barclay, New York.
Collins Mfg. Co., 1318 Farmers Bank bldg, Pittsburgh, Pa.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Falls Clutch & Machy. Co., Cuyahoga Falls, O.
Fee & Mason, 81 Beekman, New York
General Fire Extinguisher Co., Providence, R. I.
Grabler Mfg. Co. (I Beam, Adjustable, etc), Cleveland, O.
Hammer & Co., Bradford, Conn.
Illinois Malleable Iron Co. ("A. B. C."), 1801 Diversey blvd, Chicago, Ill.
Kelly & Jones Co. ("K. & J." Adjustable, etc, Malleable Iron), 135 Water, Pittsburgh, Pa.
Lange August K., 606 E 15th, New York
Norman C. Erwin & Co. ("Cenco"), 18 W Kinzie, Chicago, Ill.
Robinson Mfg. Co., 8123 Bruner, S. E., Cleveland, O.
Royersford Foundry & Machine Co., Royersford, Pa.
Terry & Tench Co., 70 E 45th, New York York
Walworth Mfg. Co., Boston, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.

## 2558— Clamps (Bed)

Lubbers & Bell Mfg. Co., Clinton, Ia.
Seng Co., 1450 Dayton, Chicago, Ill.

## 2559— Clamps (Belt)

See also Belt Tighteners

Akron Belting Co., Akron, O.
Dodge Sales & Engineering Co., Misnawaka, Ind.
Goodell-Pratt Co., Greenfield, Mass.
Higgins Machinery Co., Seattle, Wash.
Hoggson & Pettis Mfg. Co. ("Porter"), New Haven, Conn.
Hough Chas. N. Mfg. Co. (Oil Country Style), Franklin, Pa.
Manufacturers' Belt Hook Co. ("L-X"), 1321 W Congress, Chicago, Ill.
O'Neil J. H., Jr., Pawtucket, R. I.

**Page Belting Co. (Wood), Concord, N. H.**
**Turner Tanning Machinery Co. ("Turner" for Belt Makers), Peabody, Mass.**
**Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.** *See adv index at end of book*
**Wood's T. B. Sons Co. (Double Iron Screw, etc), Chambersburg, Pa.**

## 2560—Clamps (Boat Builders')

See also Clamps, Carpenters

**Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.**
**Cincinnati Tool Co., Norwood, Cincinnati, O.** *See adv index at end of book*
**Malleable Iron Fittings Co., Branford, Conn.**
**New London Vise Works ("M. I. F. Co."), (Wood End), New London, Conn.**
**Walker Jas. Co., 123 Light, Baltimore, Md.**

## 2561—Clamps (Boiler Plate)

**Never Slip Safety Clamp Co., 141 B'way, New York**

## 2561a—Clamps (Boilermakers')

**Henderer's A. L. Sons (Heavy Steel, also for Structural Iron Works), Wilmington, Del.**
**Le Count Wm. G. (Light & Heavy Steel), South Norwalk, Conn.**
**Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.** *See adv index at end of book*
**Niles-Bement-Pond Co., 111 B'way, New York**
**Taylor Jas. L. Mfg. Co. (Quick-Adjusting, Self-Locking Steel Bar), Poughkeepsie, N. Y.**
**Wickes Bros., 512 Lilden av, Saginaw, Mich.**

## 2562—Clamps (Brake Beam)

**Pearson Jack Co. ("Goodwin"), 185 Franklin, Boston, Mass.**

## 2563—Clamps (Brick Carriers')

**Crane P. D. Co., 10225 Meech av, Cleveland, O.**
**DONLEY BROTHERS CO.** ("D. B."), 3625 E 74th, Cleveland, O.
*See adv index at end of book*
**Duplex Mfg. & Foundry Co. ("Duplex"), Elyria, O.**
**Mostberger Iron Co. ("Buffalo"), 878 S Division, Buffalo, N. Y.**
**Stevens, Frederic B., 3d & Larned, Detroit Mich.** *See adv index at end of book*

## 2563a— Clamps ("C")

See Also Clamps, Machinists'

**Williams J. H. & Co. ("Vulcan," "Agrippa" Light Service & Tool Makers, Drop Forged), 31 Richards, B'klyn, N. Y.** *See adv index at end of book*

## 2564—Clamps (Cabinet Makers' Iron, Etc.)

**Batavia Clamp Co. ("Colts" Steel Bar), Batavia, N. Y.**
**Chicago Clamp Co., 253 Eliot, Detroit, Mich.**
**Christiansen C., 2219 Grand, Chicago, Ill.**
**Cincinnati Tool Co. ("Hargrave" Steel Joiners, etc), Norwood, Cincinnati, O.** *See adv index at end of book*
**Dann Bros. & Co. (Extension), New Haven, Conn.**
**Dayton Malleable Iron Co. ("Dayton"), Dayton, O.**
**Erie Metal Products Co. (Adjustable), Erie, Pa.**
**Grabler Mfg. Co. (Adjustable), Cleveland, O.**
**Handy Mfg. Co. (Steel Bar), 29 E Madison, Chicago, Ill.**
**Hartford Clamp Co. ("Hartford"), Hartford, Conn.**
**Josef E. E. Mfg. Co. ("Buffalo" Universal Handy Bench Clamp), 14 Perry, Buffalo, N. Y.**
**Mark Mfg. Co., Evanston, Ill.**
**Narragansett Machine Co., Providence, R. I.**
**Oliver Machinery Co., Grand Rapids, Mich.**
**Palmer Albert E. & Sons (Furniture), Owosso, Mich.**
**Peck, Stow & Wilcox Co., Southington, Conn.**
**Phoenix Hardware Co., Buffalo, N. Y.**
**Redin, Ekstrom & Co., Rockford, Ill.**
**Redin John E., Rockford, Ill.**
**Rockford Mitre Box Co., Rockford, Ill.**
**Sargent & Co., New Haven, Conn.**
**Smith Otis A., Rockfall, Conn.**
**Swineford G. A. Co., Canton, O.**
**Woodruff W. W. & Sons Co., Mount Carmel, Conn.**
**Wrightsville Hardware Co., Wrightsville, Pa.**

## Clamps (Cabinet Makers' Wood)

See Screws, Hand

## 2565— Clamps (Cable)

See also Clamps, Guy

**Bonney Vise & Tool Works Inc., Allentown, Pa.** *See adv index at end of book*
**Myers F. E. & Bro., 900 Fourth, Ashland, O.** *See adv index at end of book*
**STAR EXPANSION BOLT CO.** ("SEBCO"), 145 Cedar, New York
*See adv index at end of book*
**Steel City Electric Co. ("Marchand," for Standard Copper Conductors), 1207 Columbus av, Pittsburgh, Pa.**

## 2566-7—Clamps (Cable Supporting)

**Automatic Cable Clamp Co. (Self-Tightening Boltless), Donora, Pa.**
**Bossert Corp. (The), cor Linden & West av, Utica, N. Y.**
*See adv index at end of book*
**Clark Electric & Mfg. Co., 149 B'way, New York**
**DIAMOND EXPANSION BOLT CO.** ("Long Saut"), 89 West, New York
*See adv index at end of book*
**Electric Service Supplies Co. (Porcelain Clamp Insulator), 17th & Cambria, Phila., Pa.**
**General Devices & Fittings Co., 803 W Madison, Chicago, Ill.**
**Hallett Iron Works, Harvey, Ill.**
**Hebendahl J P. Co., Elizabeth, N. J.**
**Matthews W. N. & Bro. ("Matthews"), 3722 Forest Park bl, St. Louis, Mo.**
**Minerallac Electric Co., 1045 Wash. blvd, Chicago, Ill.**
**Robinson M. S. Cable Clamp Co., Donora, Pa.**
**Star Expansion Bolt Co. ("Star"), 145 Cedar, New York.**
*See adv index at end of book*
**States Co., Hartford, Conn.**
**Steel City Electric Co. ("Marchand"), for Stranded Copper Conductors), 1207 Columbus av, Pittsburgh, Pa.**
**Union Elec. Co., 3721 Grant blv, Pittsburgh, Pa.**

## 2568—Clamps (Carpenters', Adjustable Screw, Etc.)

**Adjustable Clamp Co. ("Jorgenson" Hand Screw), 216 N Jefferson, Chicago, Ill.**
**Batavia Clamp Co. ("Colts"), Batavia, N. Y.**

**THE CINCINNATI TOOL CO.**
**(H) HARGRAVE**

**Norwood, Cincinnati, O.**
*See adv index at end of book*

**Channon Jas. H. Mfg. Co. (Ships' Carpenters), 227 W Erie, Chicago, Ill.**
**Dann Bros. & Co. (Wood Workers), New Haven, Conn.**
**Fox Z. F. & Son (Steel), Freeport, Mich.**
**Grand Rapids School Equipment Co., Grand Rapids, Mich.**
**Hammer & Co. ("Hammer"), Branford, Conn.**
**Kantslip Co. ("Kantslip"), Freeport, Mich.**
**Mark Mfg. Co., Evanston, Ill.**
**M. & M. Adjustable Wire Clamp Co., 2 5th, Minneapolis, Minn.**
**Neevel Mfg. Co. ("Neevel"), Kansas City, Mo.**
**O'Neil, J. H., Jr., Pawtucket, R. I.**
**Paxson J. W. Co. ("Hawley"), 1021 N Delaware av, Phila., Pa.**
**Phoenix Hardware Co., Buffalo, N. Y.**
**Taylor Jas. L. Mfg. Co. (Self-Locking Screw), Poughkeepsie, N. Y.**

## 2569— Clamps (Carriage)

**Bossert Corp. (The), cor Linden & West av, Utica, N. Y.**
*See adv index at end of book*
**Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.**
**Sargent & Co., New Haven, Conn.**
**Sybilla Elevator & Machine Co., 214 W Ontario, Chicago, Ill.**

## 2570— Clamps (Cloth)

**Emrich Phil ("Emrich," Screw, Wedge & Spring), 824 Main, Cincinnati, O.**
**Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.**

## 2571— Clamps (Column)

**Cincinnati Tool Co. ("Hargrave"), Norwood, Cincinnati, O.**
*See adv index at end of book*
**Insley Mfg. Co. (Adjustable Steel Form), 3500 E St. Clair, Indianapolis, Ind.**
**Neevel Mfg. Co. ("Neevel"), Kansas City, Mo.**
**STERLING WHEELBARROW CO.** ("Sterling"), West Allis, Wis.
*See adv index at end of book*
**Symons Clamp Co., 2116 S Sawyer av, Chicago, Ill.**
**Taylor Jas. L. Mfg. Co., Poughkeepsie, N. Y.**
**Universal Form Clamp Co. (Circular), 14 N May, Chicago, Ill.**

## 2572—Clamps (Concrete Construction)

See also Clamps, Carpenters'; also Clamps, Machinists'

**Batavia Clamp Co. ("Colt's" Self-Locking), Batavia, N. Y.**
**Chicago Builders' Specialties Co. ("A B C" Form), 11 S La Salle, Chicago, Ill.**
**Cincinnati Tool Co., Norwood, Cincinnati, O.**
*See adv index at end of book*
**Insley Mfg. Co. (Adjustable Steel Form), 3500 E St. Clair, Indianapolis, Ind.**
**Neevel Mfg. Co. ("Neevel"), Kansas City, Mo.**
**Truscon Steel Co. (Kahn System), Youngstown, O.**
**Universal Form Clamp Co., 14 N May, Chicago, Ill.**

## 2573—Clamps (Conduit Pipe Hanging)

**Appleton Electric Co., Wellington & Paulina, Chicago, Ill.**
**Bissell F. Co. ("Security"), Toledo, O.**
**Condit Electrical Mfg. Co. ("Shawmut"), 1st & L, Boston, Mass.**
**Grabler Mfg. Co., Cleveland, O.**
**Irish W. F. Elec. Supplies ("Shamrock"), 132 W. 32nd, New York**
**New Process Specialty Co., 230 Hanover, Milwaukee, Wis.**
**Pass & Seymour, Solvay, N. Y.**
**Star Metal Box Co., 509 W. 19th, New York**
**Steel City Electric Co. (Beam Straps), 1207 Columbus av, Pittsburgh, Pa.**
**Thomas & Betts Co. (Box Hanger), 63 Vesey, New York**

## Clamps (Curtain Frame)

See Clamps, Quilt Frame

## 2574— Clamps (Desk)

**American Brass & Copper Co., 138 Lafayette, New York**
**Grammes L. F. & Sons, Allentown, Pa.**
*See adv index at end of book*

## 2575—Clamps (Door & Sash)

See also Clamps, Carpenters

**American Woodworking Machinery Co., Rochester, N. Y.**
**Dauber Bell Machine Co. ("Dauber" Upright Automatic), Oshkosh, Wis.**
**Fay J. A. & Egan Co., Cincinnati, O.**
**Greenlee Bros. & Co., Rockford, Ill.**
**Newman Machine Co., Greensboro, N. C.**
**Peck, Stow & Wilcox Co., Southington, Conn.**
**Sargent & Co., New Haven, Conn.**
**Smith H. B. Machine Co., Smithville, N. J.**
**Stearns E. C. & Co. ("Stearns," Adjustable), 450 Oneida, Syracuse, N. Y.**

## 2576—Clamps (Eccentric Wire)

Smith Otis A. (For Tightening Wire Fence, Telephone Wire, etc), Rockfall, Conn.

## 2577— Clamps (Electric)

Dicke Tool Co., Downers Grove, Ill.
Smith Otis A. (For Wire, etc), Rockfall, Conn.

## 2578— Clamps (Flanging)

Cleveland Punch & Shear Works Co., 3921 St. Clair av, N. E. Cleveland, O.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
*See adv index at end of book*
McCrea Jas. & Co. ("Model"), 562 W Washington, Chicago, Ill.
New Doty Mfg. Co., Janesville, Wis.
Optenberg Iron Wks. (Hand & Pneumatic), Sheboygan, Wis.
Scully Steel & Iron Co. ("Scully"), 2364 S Ashland av, Chicago, Ill.
Skinner M. B. Co. ("Model"), 562 W. Washington, Chicago, Ill.
Wickes Bros., 512 Lilden av, Saginaw, Mich.

## 2579—Clamps (Flask, Molders')

See also Foundry Facings & Supplies
Barnett Oscar Foundry Co., Irvington, N. J.
Brass Founders' Supply Co., Wilson av, Newark, N. J.
Buckeye Products Co., 919-929 W. 5th, Cincinnati, O.
*See adv index at end of book*
Diamond Clamp & Flask Co., Richmond, Ind.
Federal Malleable Co. ("Fraser"), West Allis, Wis.
Hartford Clamp Co. ("Hartford"), Hartford, Conn.
Josef E. E. Mfg. Co., 14 Perry, Buffalo, N. Y..
**Taylor Jas. L. Mfg. Co., Poughkeepsie, N.. Y**

## 2580-1— Clamps (Flooring)

See also Clamps, Carpenters', etc
Hardware Specialty Mfg. Co. ("Clyod"), Anderson, Ind.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

## Clamps (Furniture)

See Clamps, Cabinetmakers', etc

## Clamps (Girder)

See Clamps, Beam

## 2582—Clamps (Ground Connection)

A-A Elec. Mfg. Co., 303 Center, Bridgeport, Conn.
American Metal Works ("American" Adjustable), Stenton & Ruckland, Phila. Pa.
Blackburn Specialty Co. ("Blackburn"), 3409 Perkins av, Cleveland, O.
Bonnell W. A., 192 Chambers, New York
Cameron Appliance Co. ("McCoy"), Everett, Mass.
Chelten Electric Co., Stenton & Rockland, Phila.. Pa.
Cleverly Electrical Works ("Forbes"), 17 N 7th, Phila., Pa.
Colgan Wm. H. Co. ("Rex"), West Newton, Mass.
Condit Electrical Mfg. Co. ("Shawmut"), 1st & L., Boston, Mass.
Diamond Expansion Bolt Co., 89 West, New York. *See adv index at end of book*
Elec. Service Supplies Co., 17th & Cambria, Phila., Pa.
Fairmount Electric & Mfg. Co. ("Vogel," "All-in-One"), 59th & Woodland av, Phila., Pa.
Federal Sign System, 8700 S State, Chicago, Ill.
Forbes Robt. R., Mt. Holly, N. J.
Gillette-Vibber Co. ("G-V"), New London, Conn.
Hallett Iron Works, Harvey, Ill.
Hart Mfg. Co., 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Heinemann Geo. ("Advance"), 728 W Girard av, Phila., Pa.
Hickey & Schneider, Elizabeth N. J.
Hinsdill Electric Co. (With Fixtures), Troy, N. Y.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Klein Ernest & Bro. ("Klein Adjusto"), 44 Fulton, New York
Lord Mfg. Co. ("Leco"), 105 W 40th, New York
Marcus Bros., 135 Pearl, Boston, Mass.
Novelty Electric Co. ("Griptite," "Neco," "Flex Clamp"), 50 N 4th, Phila., Pa.
Paiste H. T. Co. ("Perma-Effect"), 3201 Arch, Phila., Pa.
Schwartz S. Robt. & Bro., 729 B'wy, New York
Schutz Mfg. Co., 3618 Lincoln av, Chicago, Ill.
Sherman H. B. Mfg. Co. ("Sherman"), Battle Creek, Mich.
Sprague Electric Works, 527 W 34th, New York
Star Elec. Co., 212 S 8th, Phila., Pa.
Thomas & Betts Co., 63 Vesey, New York
Trenton Elec. & Conduit Co., Trenton, N. J.

## 2583— Clamps (Guard Rail)

American Guard Rail Fastener Co. ("Anchor" & "Vaughan"), Real Estate Trust bldg, Phila., Pa.
Central Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*
**Cincinnati Frog & Switch Co., Cincinnati, O.**
*See adv index at end of book*

Established 1906
THE CINCINNATI FROG & SWITCH CO.
Cincinnati, Ohio

Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, Ohio
Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.
Q. & C. Co. ("National," "Q. & C."), 90 West, New York
Ramapo Iron Works ("Ramapo"), Hillburn, N. Y.
Reading Specialties Co., Reading, Pa.
Track Specialties Co., 29 B'way, New York.
United States Malleable Iron Co. ("U-S." Rail Clamp & Anti-Rail Creeper), Toledo, O.
Weir Frog Co. (Adustable), Cincinnati, O.
**WHARTON WM. JR. & CO., INC.** ("Wharton" Standard), Easton, Pa.

## 2584— Clamps (Guy)

See also Clamps, Wire Rope
American Hoist & Derrick Co. ("Crosby"), St. Paul, Minn.
**AMERICAN STEEL & WIRE CO.** A. S. & W. Co.'s, 208 La Salle, Chicago, Ill.
*See adv index at end of book*
B. & K. Mfg. Co. ("B. & K."), New Britain, Conn.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bronson-Walton Co. ("Bull Dog"), Cleveland, O.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
**DIAMOND EXPANSION BOLT CO.,** 89 West, New York
*See adv index at end of book*
Everstick Anchor Co. ("Blackburn" Boltless), 1624 N 8th, St. Louis, Mo.
Fletcher Mfg. Co., Dayton, O.
Galvanized Products Co., Phillipsburg, N. J.
Gund Mfg. Co., La Crosse, Wis.
Hallett Iron Works, Harvey, Ill.
Harrison Electric Co., 411 Van Brunt, Brooklyn, N. Y.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co. (Malleable & Steel), 63rd & Butler, Pittsburgh, Pa.
Joslyn Mfg. & Supply Co., Chamber of Commerce, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Sessions Co. ("Bull Dog," "Double Grip"), 2188 Scranton, Cleveland, Ohio
Lanz M. & Sons (Pressed Steel & Malleable Iron), 2907 Carson, Pittsburgh, Pa.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Line Material Co., So Milwaukee, Wis.
Macomber & Whyte Co. ("Mac-Whyte"), Kenosha, Wis.
Mockbee C. M. Co., 816 E Pearl, Cincinnati, O.
National Telephone Supply Co., 5100 Superior av, Cleveland, O.
Newhall Chain, Forge & Iron Co. ("Trident"), 89 West, New York
Norton W. T., West Park, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works, Trenton & Roebling, N. J.
*See adv index at end of book*
St. Louis Malleable Casting Co., 7701 N Conduit av, St. Louis, Mo.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Steel City Electric Co. ("Marchand" Wire), 1207 Columbus av, Pittsburgh, Pa.
Upson-Walton Co. of N. Y., The, 291 B'way, New York
Western Electric Co., 500 S Clinton, Chicago, Ill., & 463 West, New York

## 2585—Clamps (Harrow Tooth)

Sharon Steel Hoop Co. (Pressed Steel), Sharon, Pa.
Youngstown Pressed Steel Co., Youngstown, O.

## 2586— Clamps (Hay Rack)

Hunt, Helm, Ferris & Co., Harvard, Ill.
Louden Machinery Co. ("Illinois," "Standard"), Fairfield, Ia.
**MYERS F. E. & BRO.** ("Wenzelmann," "Standard" & "Take-Down" Cotton & Wheat Rack), 900 Fourth, Ashland, O.
***See adv index at end of book***
Porter J. E. Co., Ottawa, Ill.
Strickler Hay Tool Co., Janesville, Wis.
Wagner Mfg. Co. ("Wagner"), Cedar Falls, Iowa

## 2587— Clamps (Hopper)

Exeter Brass Works, Exeter, N. H.
Haydenville Co., Haydenville, Mass.
Peck Bros. & Co., New Haven, Conn.
Trenton Brass & Machine Co., Trenton, N. J.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.

## 2588— Clamps (Horse)

Oliver Machinery Co., Grand Rapids, Mich.

## 2589— Clamps (Hose)

Allen Fire Dept. Supply Co., 159 Ahorn, Providence, R. I.
Allen W. D. Mfg. Co. ("Bull Dog," "Allen," "Caldwell"), 566 W. Lake, Chicago, Ill. *See adv index at end of book*

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American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.

Ballard Drop Forge Co. ("Ballard" Steel for Wooden Pipe & Tanks, &c), Seattle, Wash.
Bartlett Mfg. Co., 43 E Lafayette av, Detroit, Mich.
*See adv index at end of book*
Buckeye Iron & Brass Works (For Steam), Dayton, O.
Catelain A. G., 144 Indiana av, Chicago, Ill.
Childs O. J. Co. ("Childs"), Utica, N. Y.
Clancy J. R. ("Sure Grip" Wrought Steel), Syracuse, N. Y.
Cleveland Pneumatic Tool Co. ("Neverslip," Air Hose), 3734 E. 78th, Cleveland, O.
Dallett Thos. H. Co. (For Air Hose), 1301 Federal, Phila., Pa.
**Dayton Malleable Iron Co. (Air Brake), Dayton, O.**
**Elkhart Brass Mfg. Co. ("Sure Grip"), Elkhart, Ind.**
**Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.**
*See adv index at end of book*
**Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.**
**Grabler Mfg. Co., Cleveland, O.**
Han-D Metal Products Corp., 681 Communipaw av, Jersey City, N. J.
**Haydenville Co., Haydenville, Mass.**
Hudson Parer Co., Leominster, Mass.
Ideal Clamp Mfg. Co., 202 Bradford, Brooklyn, N. Y.
Knox Mfg. Co. (Malleable Iron), 821 Cherry, Phila., Pa.
McChesney J. S. & Co. ("McChesney" Galvanized Steel Wire Hose Bands), 141 W Ohio, Chicago, Ill.
Morgan Mfg. Co. Inc. ("Morgan"), Keene, N. H.
Mulconroy Co., 54th & Jefferson, Phila., Pa.
Newark Stamping Co., Newark, O.
Racine Iron & Wire Works, Racine, Wis.
Rex-Harris Fire Appliance Co., 310 W 39th, New York.
S. & I. Co., Springfield, Mass.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Strong, Carlisle & Hammond Co. ("Strong"), 336 Frankfort av N W, Cleveland, O.
Universal Industrial Corp., Hackensack, N. J.
Walworth Mfg. Co., Boston, Mass.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Wire Bolt Clamp Co., Battle Creek, Mich.
Wolverine Brass Works, Grand Rapids, Mich.
Yerdon Wm. ("Yerdon" Cast Brass), Ft. Plain, N. Y.

## 2590-1—Clamps (Hydrant & Water Pipe)

Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.

## 2592-3— Clamps (Insulator)

Bonney Vise & Tool Wks. Inc. ("Cable"), Allentown, Pa.
*See adv index at end of book*
**Clark Electric & Mfg. Co. ("Clark" for Pin or Suspension Insulators), 149 B'way, New York**
**Delta-Star Electric Co., 2437 Fulton, Chicago, Ill.**
Fletcher Mfg. Co., Dayton, O.
General Devices & Fittings Co., 803 W Madison, Chicago, Ill.
Hickey & Schneider.
Korns C. C. Co., Johnstown, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Line Material Co. (Strain), South Milwaukee, Wis.
Locke Insulator Mfg. Co., Victor, N. Y.
Nagel W. G. Electric Co., Toledo, O.
Paiste H. T. Co., 3201 Arch, Phila., Pa.
States Co. ("Thesco" for Vertical Wires), Hartford, Conn.
Steel City Electric Co. ("Universal"), 1207 Columbus av, Pittsburgh, Pa.

## 2593a— Clamps (Joint)

McDonald R. D., De Land, Fla.

## 2594— *Clamps (Key Seat)

**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 2595— Clamps (King Bolt)

Pearson Jack Co. ("Pearson"), 185 Franklin, Boston, Mass.

## 2596—Clamps (Linemen's Splicing)

(A Splicing Tool)

Cincinnati Tool Co. ("Hargraves"), Norwood, Cincinnati, O.
*See adv index at end of book*
Columbus Handle & Tool Co. (Also "Haven's"), Columbus, Ind.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y. *See adv index at end of book*
Dicke Tool Co., Downers Grove, Ill.
Irvington Mfg. Co. ("Little Giant"), Irvington, N. J.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Ransome Concrete Machinery Co., Dunellen, N. J.; 165 B'way, New York
Robinson M. W. Co., 296 B'way, New York.
Smith Otis A., Rockfall, Conn.
**SMITH & HEMENWAY CO., INC.** ("Red Devil," also "Haven's," Clamps for Stretching Wire), 261 H. B'way, New York, & 130 H. Coit, Irvington, N. J.
*See adv index at end of book*

## 2597— Clamps (Machinists')

Armstrong Bros. Tool Co. (Drop Forged Steel), 339 N Francisco av, Chicago, Ill.
Athol Machine Co. (Standard Steel), Athol, Mass.
Belden Machine Co., New Haven, Conn.
Billings & Spencer Co. ("B & S" Drop Forged Steel), Hartford, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Cincinnati Tool Co., Norwood, Cincinnati, Ohio *See adv index at end of book*
Griffin Specialty Co., 506 W. 26th, New York
Hartford Clamp Co. ("Hartford"), Hartford, Conn.
Howell & Murray, Waverly, N. Y.
Le Count Wm. G. (Heavy Drop Forged), So. Norwalk, Conn.
Mark Mfg. Co., Evanston, Ill.
Phoenix Hardware Co., Buffalo, N. Y.
Woodruff W. W. & Sons Co., Mount Carmel, Conn.
Williams J. H. & Co. ("Vulcan," "Agrippa," Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 2598—Clamps (Measuring Bar)

**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 2599— Clamps (Messenger)

Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Dicke Tool Co., Downers Grove, Ill.
Harrison Electric Co., 411 Van Brunt, Brooklyn, N. Y.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.

## 2600— Clamps (Mitre)

Batavia Clamp Co. ("Colts"), Batavia, N. Y.
Burgess & Norton Mfg. Co. ("Dunn's" Mitre Draw Clamp & Cutter), Geneva, Ill.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Handy Mfg. Co., 29 E. Madison, Chicago, Ill.
Hartford Clamp Co. ("Hartford"), Hartford, Conn.
Taylor Jas. L. Mfg. Co. (Four Cornered), Poughkeepsie, N. Y.

## 2601— Clamps (Parallel)

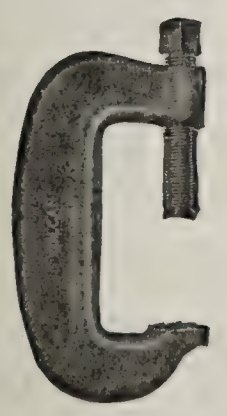
See also Clamps, Carpenters
Besly Chas H. & Co., 120 N Clinton, Chicago, Ill.
**STARRETT L. S. CO. (THE)** (Tool Makers, etc.), Athol, Mass.
*See adv index at end of book*
Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## Clamps (Piano Makers')

See Clamps, Cabinet Makers'; also Clamps, Carpenters'

## 2602— Clamps (Pipe)

**Acme Mfg. Co. ("Acme" Soil Pipe), Bangor, Me.**
Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Cincinnati Iron Fence Co., 3300 Springgrove, av, Cincinnati, O.
**Custer Coupling Co., Bradford, Pa.**
Dayton Pipe Coupling Co. ("Collerleak," for Screw, Bell & Spigot Pipe, etc), Dayton, O.
Dresser S. R. Mfg. Co. ("Dresser," for Repairing Leaks), Bradford, Pa.

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CLAMPS (PIPE)—continued

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Grabler Mfg. Co. (Also Extension), Cleveland, O.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Johnson A. E., 211 W. Exchange, Providence, R. I.
Kelly & Jones Co. (Water etc.), 135 Water, Pittsburgh, Pa.
Keystone Specialty Mfg. Co. (Nickel Plated), Scranton, Pa.
Lange August K., 606 E 15th, New York
Lucey Mfg. Corp. (Casing, Anchor & Drive), 233 B'way, New York
*For branch offices see Alphabetical Section*
McCrea Jas. & Co. ("Skinner" Joint & Emergency), 562 W Washington, Chicago, Ill.
Moll Wm. ("Ideal," Malleable Iron), 1660 Columbus rd, N W, Cleveland, O.
Norman C. Erwin & Co. ("Cenco" Extension), 18 W Kinzie, Chicago, Ill.
Nusbaum F. A. ("King Bee" & "Perfection" Leak Closing), 219 Ruffner, Lockland, O.
Parmelee Wrench Co., 2515 W Monroe, Chicago, Ill.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
Skinner M. B. Co. ("Emergency"), 562 W Washington, Chicago, Ill.
Threadless Pipe Fittings Co., 50 Columbia, Newark, N. J.
Western Railway Equipment Co. ("Acme"), Central National Bank bldg, St. Louis, Mo.
Williams J. H. & Co. (Vise "Vulcan" Drop-Forged), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*
Yarnall-Waring Co. ("Simplex"), Harrison bldg., Phila., Pa.
Yonts C. H. & Co. (Lead Stopper & Repair), Meadville, Pa.

## 2603— Clamps (Plow)

Hilfinger Bros., Fort Edward, N. Y.
Michigan Bolt & Nut Works, ft. Meldrum, Detroit, Mich.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Upson Nut Co., Cleveland, O.

## 2604— Clamps (Pole)

Bethlehem Steel Co., So. Bethlehem, Pa.
Electric Railway Eqpipment Co., Cincinnati, O.
Everstick Anchor Co. ("Blackburn" Boltless), 1624 N 8th, St. Louis, Mo.
Hallett Iron Works ("Hallett"), Harvey, Ill.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Line Material Co. ("Ajax"), South Milwaukee, Wis.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 2604a—*Clamps (Quick Adjusting)

Cincinnati Tool Co. (For Boat & Auto Body Builders), Norwood, Cincinnati, O. *See adv index at end of book*

## 2605—Clamps (Quilt Frame)

Arcade Mfg. Co., Freeport, Ill.
Champion Hardware Co., Geneva, O.
Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*
Fanner Mfg. Co. ("Arctic"), Cleveland, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

## 2606—Clamps (Rail Bonding)

Electric Railway Improvement Co. (with Terminal Electrode), 2070 E 61st pl, Cleveland, O.
Reading Specialties Co. (Guard), Reading, Pa.
Seattle Frog & Switch Co. (Guard), Smith bldg, Seattle, Wash.

## 2607— Clamps (Ring)

Kohaut John C., 117 Green, Newark, N. J.

## 2608— Clamps (Rivet)

Racky Albert C., 531 S 5th av, Chicago, Ill.

## 2609— Clamps (Rule)

Goodell-Pratt Co., Greenfield, Mass.
STARRETT L. S. CO. (THE), Athol, Mass.
*See adv index at end of book*

## 2610— Clamps (Saw)

Atkins E. C. & Co. ("A.-A.-A."), Indianapolis, Ind.
Baldwin, Tuthill & Bolton (Filing), Grand Rapids, Mich.
Covel Mfg. Co. (Saw Filing), Benton Harbor, Mich.
Crescent Machine Co., Leetonia, O.
Dikeman Mfg. Co. ("Dikeman," All Steel Folding), Norwalk, Conn.
Disston Henry & Sons (Brazing, Filing, etc), Tacony, Phila., Pa.
Gustafson & Scott Mfg. Co. ("Climax" for Filing Band Saws), 4325 Wabansia av, Chicago, Ill.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
New Britain Machine Co. ("New Britain") 190 Chestnut, New Britain, Conn.
Reading Hardware Co., Reading, Pa.
SIMONDS MFG. CO., Fitchburg, Mass.
*See adv index at end of book*
Union Hardware Co., Torrington, Conn.
Woodwell Joseph Co. ("Keystone" Folding), 207 Wood, Pittsburgh, Pa.

## 2611—Clamps (Saw Brazing)

Atkins E. C. & Co., Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Covel Mfg. Co., Benton Harbor, Mich.
Disston Henry & Son, Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 2612— Clamps (Screw)

Adjustable Clamp Co. ("Pony"), 216 N Jefferson, Chicago, Ill.
Batavia Clamp Co. ("Colt's"), Batavia, N. Y.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*
Dayton Malleable Iron Co. ("Dayton"), Dayton, O.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Grand Rapids Hand Screw Co. (Wood Adjustable), Grand Rapids, Mich.
Hammer & Co. ("Hammer"), Branford, Conn.
Handy Mfg. Co., 29 E Madison, Chicago, Ill.
Hartford Clamp Co. ("Hartford" Quick Adjusting Self-Locking Single & Double Steel Bar), Hartford, Conn.
Le Count Wm. G. (For Boring Mills & Planers), Norwalk, Conn.
Malleable Iron Fittings Co. ("M. I. F. Co.") Branford, Conn.
Oliver Machinery Co., Grand Rapids, Mich
Phoenix Hdwe. Co. (Malleable Iron), Buffalo, N. Y.
Stearns E. C. & Co. (Adjustable), 450 Oneida, Syracuse, N. Y.
Taylor Jas. L. Mfg. Co. (Quick-Adjusting, Self-Locking Steel Bar, etc), Poughkeepsie, N. Y.
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Wilcox, Crittenden & Co. Inc. (Ship & Ship Carpenters), Middletown, Conn.
*See adv index at end of book*
Woodruff Walter W. & Sons Co., Mount Carmel, Conn.

## Clamps (Ship)

See Clamps, Boat

## Clamps (Splicing)

See Clamps, Linemen's Splicing

## 2613—Clamps (Steam Joint)

McCrea Jas. & Co., 562 W Washington, Chicago, Ill.
Nusbaum F. A. ("Perfection," "King Bee"), 219 Ruffner, Lockland, O.
Roberts Geo. I. & Bros., 471 4th av, New York
Skinner M. B. Co. ("Skinner Pipe Joint"), 562 W. Washington, Chicago, Ill.
Yarnall-Waring Co. ("Simplex"), Harrison bldg., Phila., Pa.

## 2614— Clamps (Steel)

Athol Machine Co. (Parallel, Machinists' Swivel, etc), Athol, Mass.
Bass Bros. (Bar), 82 Walker, New York
Erie Metal Products Co. ("Thompson," Pressed Steel), Erie, Pa.
Goodell-Pratt Co., Greenfield, Mass.
Insley Mfg. Co. (Adjustable Concrete Form), 3500 E St. Clair, Indianapolis, Ind.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Le Count Wm. G., South Norwalk, Conn.
Norfolk Mfg. Co. ("Hugo"), Norfolk, Conn.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I
Phoenix Hdwe. Co., Buffalo, N. Y.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
STARRETT L. S. CO. (THE) (Tool Makers', etc.), Athol, Mass.
*See adv index at end of book*
Taylor Jas. L. Mfg. Co., Poughkeepsie, N. Y.
Williams J. H. & Co., 31 Richards, Bklyn., N. Y. *See adv index at end of book*

## 2615— Clamps (Steel Pipe)

American Steel Foundries (For Cast Iron Pipe Makers), McCormick bldg, Chicago, Ill.

## 2616— Clamps (Strap)

Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 2617—Clamps (Testing, Electric Wire)

(For Testing Current in Telephone & Current Wires)

Anderson Albert & J. M. Mfg| Co., 289 A, Boston, Mass.
Belden Mfg. Co., 2316 So. Western av, Chicago, Ill.
Cameron Appliance Co., 48 Waters av, Everett, Mass.
Cook F. B., 162 N Clinton, Chicago, Ill.
Cutter Scott C. ("Scott Cutter"), Oswego, Ill.
Ely H H. Mfg. Co., s w cor 13th & Wallace, Philadelphia, Pa.
*See adv index at end of book*
Fahnestock Elec. Co., L. I. City, N. Y.
Fairmount Elec. & Mfg. Co., 59th & Woodland, Phila., Pa.
Frankel Connector Co., 177 Hudson, New York
Hallett Iron Works, Harvey, Ill.
Harvard Elec. Co., 525 W Vanburen, Chicago, Ill.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Jordan Bros., 74 Beekman, New York
Morse Frank W., 289 Congress, Boston, Mass. *See adv index at end of book*
Reliable Elec. Co., 411 S Sangamon, Chicago, Ill.
Schutz Mfg. Co., 3618 Lincoln av, Chicago, Ill.
States Co., 19 New Park av, Hartford, Conn.
Williams Test Clamp Co., 1051 Power av, Cleveland, O.

## 2618—Clamps (Tool Makers')

Athol Machine Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Champion Hardware Co., Geneva, O.
Goodell-Pratt Co., Greenfield, Mass.
Hartford Clamp Co. ("Hartford"), Hartford, Conn.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
STARRETT L. S. CO. (THE), Athol, Mass.
*See adv index at end of book*
Taylor Jas. L. Mfg. Co., Poughkeepsie, N. Y.
Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 2619—Clamps (Trolley Pole)

Bayonet-Trolley-Harp Co., Springfield, O.
Electric Railway Equipment Co. ("Sure Grip"), Cincinnati, O.
Virginian Electric & Machine Works ("Perfection"), Charleston, W. Va.
**WESTINGHOUSE ELEC. & MFG. CO.**, E Pittsburgh, Pa.
*See adv index at end of book*

## 2620—Clamps (Trolley Wire)

Electric Railway Equipment Co. ("Sure-Grip"), Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Ohio Brass Co. ("Modoc," "Detroit," "Mansfield," "Bull Dog," "M-W"), Mansfield, O.
*See adv index at end of book*

## Clamps (Water Pipe)

See Clamps, Hydrant & Water Pipe

## 2621— Clamps (Wire Fence)

Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Wickwire Spencer Steel Co. ("Excelsior"), Worcester, Mass.
*See adv index at end of book*

## 2622— Clamps (Wire Rope)

See also Clamps, Guy

American Hoist & Derrick Co. ("Crosby"), St Paul, Minn
**AMERICAN STEEL & WIRE CO.** (A. S. & W Co.'s), 208 La Salle, Chicago, Ill. *See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Broderick & Bascom Rope Co. (Jobbers), 803 N Main, St. Louis, Mo.
Channon Jas. H. Mfg. Co. (also Manila Rope Clamps), 227 W Erie, Chicago, Ill.
Fischer & Hayes Rope Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Harkins T. B. Foundry Co., Bristol, Pa.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz Matthew & Sons, 2907 Carson, Pittsburgh, Pa.
Laughlin Thos. Co., Portland, Me.
Leidecker Tool Co. ("Shyrock" for Temper Screws), Marietta, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo
Lucey Mfg. Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*
Macomber & Whyte Rope Co. ("Mac-Whyte"), Kenosha, Wis.
Neptune Hardware Mfg. Co., 29 Murray, New York
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
**ROEBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Seward & Co., Bloomington, Ind.
Upson-Walton Co., 1294 W 11th, Cleveland, O.
Wheaton C. M. & Co. ("Wheaton"), Sunbury, Ohio
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## Clamps (Wire Test)

See Connectors, Wire Test

## Clamps (Woodworkers')

See Clamps, Cabinet Makers'

## 2622a Clarifiers (Centrifugal)

De Laval Steam Turbine Co., E Trenton, N. J. *See adv index at end of book*
Sharples Specialty Co. ("Super Centrifuge" for Varnish, Benzine, Oil, Glue, Pharmaceutical, Serum & Fruit Juices), West Chester, Pa.

## 2623— Clarifiers (Milk)

Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
De Laval Separator Co., 165 B'way, New York
Sharples Separator Co., West Chester, Pa.

## 2624— Clarifiers (Sugar)

Blymer Iron Works Co. (Round Single Copper Coil, Steam), Cincinnati, O.
Cresson Morris Co., Alleghany & 18th, Phila., Pa.
Deming Apparatus Co. (For Purifying Sugar Solutions), 30 Church, New York
Flynn W. S., 76 Hudson, Jersey City, N. J.
**HAUBTMAN & LOEB CO, (LTD)**, 618 Magazine, New Orleans, La.
*See adv index at end of book*
Joubert & Goslin Mach. & Fdry. Co., Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside, Cleveland, O.
Murphy John H. Iron Works, 643 Magazine, New Orleans, La.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Pusey & Jones Co., Wilmington, Del.
Squier Geo L. Mfg. Co., Buffalo, N. Y.
Turl Iron & Car Co., Inc., The, 50 Broad New York. Works: Newburgh, N. Y.
Von Phul Gilbert D., Hibernia Bank bldg., New Orleans, La.

## 2625-6-7— Clarifiers (Varnish)

Col-mac Co., 250 South, Newark, N. J.
Empire Cream Separator Co., Bloomfield, N. J.
Sharples Specialty Co., West Chester, Pa.

## 2628—Clasps (Lug & Cant Hook)

American Logging Tool Co. (Malleable & Forged Steel), Evart, Mich.
Ransome Concrete Machinery Co. (Malleable), Dunellen, N. J.

## 2629— Clasps (Pail)

Acme Steel Goods Co. ("Acme" Flexible Pail & Crate), 2834 Archer av, Chicago, Ill.
**CARY MFG. CO.**, Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
De Haven Mfg. Co, 50 Columbia Heights, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*
Tilson Mfg. Co., Malden, Mass.
Townsend Co., New Brighton, Pa.
Twisted Wire & Steel Co. ("Mitchell's Peerless"), 437 11th av. New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 2630— Classifiers (Slime)

Colorado Iron Works Co. ("Atkins" Hydraulic & Mechanical), Denver, Colo.
Denver Engineering Works Co. ("Richards" Pulsator), Denver, Colo.
Dorr Co ("Dorr), Denver, Colo.
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
**KENNEDY-VAN SAUN MFG. & ENG. CORP.** (Hydraulic), 120 Broadway, New York *See adv index at end of book*
Merrill Metallurgical Co. ("Merrill" Hydraulic), 121 2d, San Francisco, Cal.
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.

## 2631— Claws (Coal)

Wrightsville Hardware Co., Wrightsville, Pa.

## 2632— Claws & Grabs (Nail)

Auer John Jr. (4 & 5 Prong), 197 Middleton, Brooklyn, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Landers Frary & Clark, New Britain, Conn.
Vaughan & Bushnell Mfg. Co. ("V & B" 8 Prong Claws Only), 2114 Carroll av, Chicago, Ill.

## 2633—Claws & Pullers (Tack)

Arcade Mfg. Co., Freeport, Ill.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Bradley & Farnham ("Samson," "Monarch," "Ellis"), Middlefield, Conn.
Browne W. G. Mfg. Co. ("Star" Combination "Sterling," "Neverbreak," "Queen"), Kingston, N. Y.
Browne & Dowd Mfg. Co. ("Standard Giant," "Yankee," "Sterling," "Star"), Meriden, Conn.
Buffum Tool Co. ("Swastika" Wood Handle, Drop Forged), South Side, Louisiana, Mo.
Cassady Fairbank Mfg. Co. ("Fetchum," "Buckeye" Claw), 6126 S La Salle, Chicago, Ill.
Cronk & Carrier Mfg. Co. ("Little Giant"), 150 Lake, Elmira, N. Y.
*See adv index at end of book*
Deuse J. S., Chester, Conn.
Dunlap J. S., 334 S Clinton, Chicago, Ill.
Fletcher-Terry Co. ("Little Corporal"), Forestville, Conn.
Grammes, L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Handy Things Mfg. Co. ("Handy"), Ludington, Mich.
Jennings C. E. & Co., 71 Murray, New York
Johnson Wm. (Hedenberg Wks), Newark, N. J.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
*See adv index at end of book*
Knickerbocker Mfg. Co., Belleville, N. J.
Kraeuter & Co., 583 18th av, Newark, N. J.
Landers, Frary & Clark (Cast Steel & Malleable Iron), New Britain, Conn.
Lowentraut P. Mfg. Co. ("Montgomery"), 36 Brenner, Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Osborne C. S. & Co., Box 183 Newark, N. J.
*See adv index at end of book*
Parkhurst L. D., Danielson, Conn.
Potter Mfg. Co. (Forged Steel), Geneva, O.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Rocky Hill Hardware Co. ("Samson" Polished Steel & Malleable Japanned, etc), Rocky Hill, Conn.
S. & I. Co. (Extractors & Spreaders), Springfield, Mass.
Sargent & Co., New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith H. D. & Co. ("Perfect Handle"), Plantsville, Conn.
**SMITH & HEMENWAY CO., INC.** ("Giant" & Red Devil"), 261 H. B'way, New York, & 130 H. Coit, Irvington, N. J.
*See adv index at end of book*
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Turner & Deegan ("Little Gem"), Bristol, Conn.
Verona Tool Works (Spike, etc), Oliver bldg, Pittsburgh, Pa., & Verona, Pa.
White Ira F. & Son Co., Bloomfield, N. J.
Williams A. C. Co. (Cast Iron Only), Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

## 2633a— Clay-Ball (Miners)

Drakenfeld B. F. & Co., 50 Murray, New York.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 2634— Clay Color Mfrs.

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 2635— Clay Feeders

(See also Feeders, Coal, Stone, Lime, Cement, etc.)
Fate-Root-Heath Co., Plymouth, O.

## Clay (Fire)

See Fire Clay

## 2635a— Clay Goods

See also Specific Article
Crescent Refractories Co., Curwensville, Pa. *See adv index at end of book*
Denver Fire Clay Co., Denver, Colo.
Mine & Smelter Supply Co. ("Massco"), 42 B'way, New York.

## 2636—Clay Miners & Shippers

**Anness & Potter Fire Clay Co., Woodbridge, N. J.**
Ashland Fire Brick Co. (For all Purposes), Ashland, Ky.
Binswanger H. P., 7 W 16th, New York
**Bloomfield Clay Co., Metuchen, N. J.**
Brown's Mills Sand Co. in the Pines (Mines), Brown's Mills, N. J.
Cameron Clay Products Co., Emporium, Pa.
**Cumberland Clay Co. (Refined White), Mt. Holly Springs, Pa.**
**Cutter W. C., Woodbridge, N. J.**
Diller Clay & Stone Co., Lancaster, Pa.
**Edgar Brothers Co., Metuchen, N. J.**
Edgar Plastic Kaolin Co., Metuchen, N. J.
**Excelsior Ball Clay Co. (Hickory & Sagger Clay), Cincinnati, Ohio**
Harris Clay Co., Dillsboro, N. C.
Kiamenal Clay Co., Wilmington, Del.
**Maurer Henry & Son (For All Purposes), 420 E 23d, New York**
Moon Clay & Kaolin Co. (Miners of Sagger Clay), Trenton, N. J.
National Sales Co. (Ball), 31 E 13th, Cincinnati, O.
Ostrander Fire Brick Co., Troy, N. Y.
Paper Makers' Chemical Co., Easton, Pa.
Product Sales Co., 32 So. Culvert, Baltimore, Md.
Raritan Ridge Clay Co., Metuchen, N. J
**Rutland Fire Clay Co. ("Rutland") Rutland, Vt.**
Uhl Pottery Co., Evansville, Ind.
Valentine M. D. & Bro. Co. (Foundry etc), Woodbridge, N. J.
Vanderbilt R. T. Co., 50 E. 42d, New York

## 2636a— Clay (Pipe)

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 2637— Clay (Stove)

Rogers & Co. ("Keystone"), Royersford, Pa.
Uhl Pottery Co., Evansville, Ind.
Williams Stove Lining Co. ("Eagle") Taunton, Mass.

## 2638—Clay & Shale Gatherers

Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.

## Clays (Bleaching & Filtering)

See Fullers Earth

## 2639— Clays (China)

**CHRYSTAL CHARLES B.** (Importer), 13 Cliff, New York
*See adv index at end of book*
Coulston J. W. & Co. (English) (Imp.), 80 Maiden Lane, New York
**Drankenfeld B. F. & Co. (Imp.), 50 Murray, New York**
Dunn & Kruse, 63 Park Row, New York
Excelsior Ball Clay Co., Cincinnati, O.
**Fuerst Bros. & Co., 2 Stone, New York**
Golding Sons Co., Trenton, N. J.
**Hammill & Gillespie, 240 Front, New York**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Highfield John W., 248 N 10th, Brooklyn, N. Y.
Higman John W. Co. (Imp.), 29 B'way, New York
Katsenbach & Bullock Co., 100 William, New York
Keystone Minerals Co. 41 Union Sq, New York
Klipstein A. & Co., 644 Greenwich, New York
Moore & Munger (Imp.), 29 B'way, New York
**National Sales Co. (Imp.), 31 E 13th, Cincinnati, Ohio**
Nevins Sam'l Co. (Dried, Ground & Bolted), 109 S 2d, Phila., Pa.
**Newark China & Clay Co. (Miners & Refiners), Newark, Del.**
New England Quartz Co. of N. Y., 150 Nassau, New York.
Paper Makers' Chemical Co. (American & English), Easton, Pa.
Perkins, Goodwin & Co., 33 W 42d, New York
**Phila. Clay Co., 1316 Commonwealth, Phila., Pa.**
Product Sales Co., 32 So Calvert, Baltimore Md.
Rockcastle Cement & Lime Co., Munsey bldg., Baltimore, Md.
**Salomon L. A. & Bro. (Imp.), 216 Pearl, New York**
**Sant John & Sons Co., East Liverpool, O.**
Savannah Kaolin Co., Savannah, Ga.
**SCHEEL WM. H.**, 159 Maiden lane, New York *See adv index at end of book*
Smith J. Lee & Co. (Imp.), 19 Jacob, New York
Smith Alfred, Ltd., Park pl, New York
Star Clay Co. (Ltd.), Mertztown, Pa.
Taintor H. F. Mfg. Co. (Bolted, English). 2 Rector, New York; Works: Bayonne, N. J.
**Tennant C. Sons & Co. of N. Y. (Imp.), 100 William, New York**
Vanderbilt R. T. Co., 50 E. 42d, New York
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, New York
Wiarda John C. & Co. (Jobbers), 273 Greene, Brooklyn, N. Y.
**WILLIAMS C. K. & CO.** (Bolted), Easton, Pa. *See adv index at end of book*

## 2640— Clays (Crucible)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Excelsior Ball Clay Co., Cincinnati, Ohio
Kern Commercial Co. ("Schippach"), 114 Liberty, New York
Kiamensi Clay Co., Wilmington, Del.
Moore & Munger (Imp), 29 B'way, New York
Meng Anthony & Co. ("K. B. Crown" Imported), 17 S Front, Phila., Pa.
National Sales Co., 31 E 13th, Cincinnati, Ohio

## 2641— Clays, Minerals, Etc.

See also Color Manufacturers & Importers

Atterbury Bros., Inc., 145 Nassau, New York
Binney & Smith Co., 81 Fulton, New York
Binswanger, H. P. (Whol. Dur.), 7 W 16th, New York
Campbell P. D. Co. (Minerals), 401 E 36th, New York
Cherokee Ochre Co., Cartersville, Ga.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
**CHRYSTAL, CHAS. B.**, 13 Cliff, New York *See adv index at end of book*
**Crossman Co., South Amboy, N. J.**
Doggett Stanley, 11 Cliff, New York
Dunn & Kruse (Imported), 63 Park Row, New York
Earle E. P., 165 B'way, New York
Excelsior Ball Clay Co. (Fire, Ball, Modeling, China, Crucible, Glass Pot, Potters' & Paper Makers' Clays), Cincinnati, Ohio
Feuchtwanger L. & Co., 74 Cortlandt, New York
**Fuerst Bros. & Co. (Importers), 2 Stone, New York**
Georgia-Peruvian Ochre Co., 165 B'way, New York
Goebel J. & Co. (Imp), 129 Maiden la. New York
Great Eastern Clay Products Co., 175 5th av, New York
Hammill & Gillespie (China, Potters, etc), 240 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Herrmann Morris & Co. (Non-Fading Reds), 200 5th av, New York
Illinois Kaolin Co. (Dagger, Paper & Paint Clays), Anna, Ill.
Industrial Minerals Co., Inc., 525 Phelan bldg, San Francisco, Cal.
International Pulp Co., 41 Park Row, New York
Mepham Geo. S. & Co., 20th & Lynch, East St. Louis, Ill.
**MINER-EDGAR CO.** (Washed, Floated Brands), 30 Church, New York
Moore & Munger (Imp), 29 B'way, New York
National Gum & Mica Co., 59th & 11th av, New York
Nevins Samuel Co., 109 S 2d, Phila., Pa
New Riverside Ochre Co., Cartersville, Ga
Paper Makers' Chemical Co. (English & Domestic China & Ball Clays), Easton, Pa.
Philadelphia Clay Co. (High Grade Clays), 1316 Commonwealth, Phila., Pa.
Prince Mfg. Co. (Mineral Brown), 165 B'way, New York
**Product Sales Co., 32 So. Calvert, Baltimore, Md.**
Robbins A. A., 99 John, New York
Salomon L. A. & Bro. (China Clay, etc), 216 Pearl, New York
**SCHEEL WM. H.** (Imp.), 159 Maiden lane, New York *See adv index at end of book*
Smith J. Lee & Co. (Ochres, Crown Paris White, Indian & Venetian Reds, Drop Black & Colors, China Clay), 19 Jacob, New York
Star Clay Co. (Ltd.) (Clays), Mertztown, Pa.
Such Clay Co., South Amboy, N. J.
**Tennant C. Sons & Co. of N. Y. (Imp.), (Arsenic, China Clay, Talc, etc.), 100 William, New York**
Thiele E., 11 Cliff, New York.
Union Talc Co. (Agalite), 132 Nassau, New York; Works: Gouverneur, N. Y.
Vanderbilt R. T. Co., 50 E 42d, New York
Wagener John O. & Co. (Mineral Pulp), Easton, Pa.
Wagner Chas. A., 221 N Front, Phila., Pa.
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, New York
Wilbur J. Co. (American Ochres, Talckene, Black Filler & Red & Gray Slates), Office, Providence, R. I.; Factory, Phila., Pa.
**WILLIAMS C. K. & CO.** (Mineral Pulp, Clays, Ochre, etc). Easton, Pa. *See adv index at end of book*

## 2642— Clays (Modeling)

**Embossing Co., Albany, N. Y.**
**Excelsior Ball Clay Co., Cincinnati, Ohio**
Livermore Fire Brick Works, Niles, Cal.
National Sales Co., 31 E 13th, Cincinnati, Ohio
New York Architectural Terra Cotta Co., 401 Vernon av, Long Island City, N. Y.
Novitas Sales Co. ("Modeline"), Waltham, Mass.
San Antonio Sewer Pipe Works, San Antonio, Texas
Stewart & Co. ("Plasteline"), 24 B'way, New York
Uhl Pottery Co., Evansville, Ind.

## 2642a— Cleaner (Auto)

Du Pont Chemical Works ("Pontoklene"). 120 B'way, New York

## 2643— Cleaners (Air)

Lord Mfg. Co. ("Spencer Patent, Screenless, for Air Compressors), 105 W 40th, New York
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*

## 2644—Cleaners (Alfalfa Seed)

**Ferrell A. T. & Co. ("Clipper"), Saginaw, Mich.**
Johnson & Field Mfg. Co. Racine, Wis.
**Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.**

## 2645—Cleaners (Bean & Pea)

Dickey A. P. Mfg. Co., Racine, Wis.
Ferrell A. T. & Co. ("Clipper"), Saginaw, Mich.
Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.
**Owens J. L. Co. ("Advance"), Fulton & S E Huron, Minneapolis, Minn.**
Tinkham C. O. ("Advance" Spiral Brush Bean Cleaner & Polisher), Akron, N. Y.

## 2646—Cleaners (Boiler Flue & Tube)

Advance Packing & Supply Co., 54 E Lake, Chicago, Ill.
Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill.
Atlas Mfg. Co., 154 1st, San Francisco, Cal.
Bate Boiler Efficiency Co., Conshohocken, Pa.
**Bayer Steam Soot Blower Co., St. Louis, Mo.**
Berry Engineering Co., Chester, Pa.
Browne F. W. Farmington, N. H.
Burgess Machine Co. ("Gronvold" Boiler Flue), New Haven, Conn.
**Caldwell H. W. & Son Co. ("Ruggles") 17th & Western av, Chicago, Ill.**
Central Machine & Foundry Co., Marion, Ind.
Challenge Tube Cleaner Co., 63 Market Lowell, Mass.

Chesterton A. W. Co. ("Ingalls," "Firearms," "Favorite," "Favorite Improved," "Eliptical" Tube Scraper, "Engineers' Favorite" & "Wonder" Tube Cleaner, Combination Scraper & Brush & "Robinson" Blowers & Suckers), 64 India, Boston, Mass.
**Christoffel's A. Sons, 277 Eldert, Brooklyn, N. Y.**
Clafiin C. A. Co. ("Clafiin" **Patent Steam** Automatic & **Continuous-Blast**), 161 High, Boston, **Mass.**
**Clark A. C. & Co. (Mechanical Boiler** Cleaner), 1035 E 76th, **Chicago, Ill.**
Coggeshall Co., 123 Liberty, New York
Crescent Brass Mfg. Co. ("Cyclone" Steam Flue Cleaner), 8410 Lake av, Cleveland, O.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Decatur Specialty Co. (Flue), Decatur, Ill.
**Diamond Power Specialty Co. ("Diamond" Steam Tube Cleaner, Suckers & Blowers)**, Detroit, **Mich.**
Elliott B. K. Co. ("Cyclone," "Bull Dog"), 126 6th, Pittsburgh, Pa.
Federal Stamping Co. ("Rex" and "E-Z" All Steel for Hot Air Furnaces), Holland, Mich.
Flint Warren F. Co. (Wire), 74 India, Boston, Mass.
**GEM MFG. CO.** ("Gem" Flue Scrapers), Goebel nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
General Specialty Co. ("Torpedo" Fire Tube Cleaner & "Demon" Water Tube Cleaner, Operated by Water), Buffalo, N. Y.
Gerhardt C. (Flue & Tube Brushes), 591 Hudson, N. Y.
Gilmore Tube Scraper Works (F. G. Crowell, Prop.) ("Gilmore" Tube Scraper), Buffalo, N. Y.
Globe Boiler Compound Co. ("Case" Patent Metal Boiler Cleaner), Binghamton, N. Y.
**GODFREY-KEELER CO., 70 Warren, New** York *See adv index at end of book*
Griffiths Jas. A. ("The Cook" Blowers & Suckers), 1315 Buttonwood, Phila., Pa.
Hennebohle Frank (Blowers & Suckers) 81st & S Chicago av, Chicago, Ill. *See adv index at end of book*
Hilts Wrench & Mfg. Co. ("Perfect"), Richford, N. Y.
Hubbard & Co. ("Phoenix," "Knoxville Duplex" Boiler Flue & "Knox" Water Tube Cleaners), 933 5th, Washington, D. C.
Huyette Paul B. Co. ("Tornado" Air Blower Tube or Flue Cleaner) 5 S 18th, Phila., Pa.
International Lubricants Co. ("Accrus"), 350 N Clark, Chicago, Ill.
Irving Mfg. & Tool Co. (Flue Cleaners), 157 Chambers, New York
Lagonda Mfg. Co. ("Weinland" Water Power Tube Cleaner, Turbine), Springfield, O.
Leonard & McCoy ("The Hotchkiss"), 161 Washington, New York
**Liberty Mfg. Co. ("Liberty," "Chicago," "Cyclone"), Pittsburgh, Pa.**
**Lord L. L., Meadville Pa.**
McCrea Jas. & Co. ("Butman's" Ball Joint Flue Scraper Rod), 562 W Washington, Chicago, Ill.
**McLaughlin Geo. G. Mfg. Co., 24 Washington, N. Boston, Mass.**
**Manchester Mfg. Co. ("The Meyers" Automatic Skimmer), North Manchester, Ind.**
Marion Machine, Foundry & Supply Co. ("Marion" Flue Blower), Marion, Ind.
Max Machine Co., Clinton, Mass.
Mulholland Wm. ("Spencer"), 79 White, New York
National Boiler Specialties Co., Elgin, Ill.
National Flue Cleaner Co., Trenton, N. J.
Newark Brush & Scraper Co. ("Abrams" Tube Brush), 266 Fabyan pl, Newark, N. J.
New Bern Flue Cleaner Co., Franklin Bank bldg, Phila., Pa.
Nuhring Chas. & Bros. (Soot Blowers & Suckers, "Success & Kant-Blo-Off"), ("Success), 1212 Walnut, Cincinnati, O.
Osborn-Crew Mfg. Co., 1628 E 39th, Cleveland, O.
Parson Mfg. Co. ("Parson's" Air Jet Flue Cleaner), 35 Nassau, New York
Perfection Grate & Supply Co. ("Perfection" Blower), Springfield, Mass.
Pierce Wm. B. Co. ("Dean" Boiler Tube Cleaner, Steam or Power), 40 N Davision, Buffalo, N. Y.
Pilley Flue Brush Co. (Brushes, Scrapers & Blowers), 604 S 3d, St. Louis, Mo.
**Poole Mfg. Co. ("Little Giant" Power Water Tube & Fire Tube Cleaner), 325 Columbus av, Boston, Mass.**
Reiter E. H., Elgin, Ill.
Robertson Jas. L. & Son ("The Hurricane"), 78 Murray, New York
Rosedale Foundry & Machine Co. (Pneumatic), Columbus & Preble, Pittsburgh, Pa.
Roto Co. ("Roto" Steam, Air & Water Driven for Fire Tube and Water Tube Boilers), Hartford, Conn.
Ryerson J T & Son (Steam or Power), 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Scully Steel & Iron Co. ("Ruggles" Perfection Flue Cleaner), 2364 S Ashland av, Chicago, Ill.
Seehausen, Wehrs & Co. ("Chicago"), 173 N Franklin, Chicago, Ill.
Sharkey & Peck (Boiler Cleaners & Skimmers), 2433 W 18th, Chicago, Ill.
Simonds G. L. & Co., 230 S La Salle, Chicago, Ill.
Thompson Richard & Co. ("Thompson's 20th Century" Tube Cleaner or Injector Blower), 126 Liberty, New York
Thum C. D. (Brushes), 150 N 3d, Phila., Pa.
Vulcan Fuel Economy Co., 828B Transportation bldg, Chicago, Ill.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wolfe Brush Co., 1805 Beaver av, Pittsburgh, Pa.
Worcester Brush & Scraper Co. ("Criss-Cross" Tube Cleaner, etc), Worcester, Mass.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

## 2647—Cleaners, Boiler Flue or Tube (Brushes)

See also Brushes, Flue

Browne F. W. ("Abrams" Steel Wire), Farmington, N. H.
Chesterton A. W. Co. ("Abram" Tube Brush & Spiral Tube Brush, Fine Wire), 64 India, Boston, Mass.
Christoffel's A. Sons (Flexible Steel Coil Brushes), 277 Eldert, Brooklyn, N.Y.
Felton D. D. Brush Co., Atlanta, Ga.
Flint Warren F. Co., 220 Franklin, Boston, Mass.
Gerhardt C. (Flue & Tube Brushes), 591 Hudson, New York
**GODFREY-KEELER CO.,** 70 Warren, New York *See adv index at end of book*
Newark Brush & Scraper Co. ("Abram's" Tube Brush), 266 Fabyan pl, Newark, N. J.
Peerless Mfg. Co. ("Peerless"), New Durham, N. H.
Pilley Flue Brush Co. ("Pilley" Wire & "Abrams"), 604 S 3rd, St. Louis, Mo.
Schaefer, McLaughlin Co., 395 Reed, Milwaukee, Wis.
Thum Chas. D., 150 N 3rd, Phila., Pa.
Wolfe Brush Co., 1805 Beaver av, Pittsburgh, Pa.
Worcester Brush & Scraper Co. ("Ingalls" Tube Brush & Cleaner, & "Worcester" Flue Brush), Worcester, Mass.

## 2648—Cleaners, Boiler Flue or Tube (Scrapers)

Chesterton A. W. Co. ("Ingalls" Tube Scraper, "Engineer's Favorite" Elliptical; also Combined Scraper & Brush, "Favorite Improved," Fireman's Favorite"), 64 India, Boston, Mass.
Christoffel's A. Sons, 277 Eldert, Bk'lyn, N. Y.
**GEM MFG CO.** ("Gem" Brush Spiral Flue & Coniform Scrapers), Goebel near Fulton N S, Pittsburgh, Pa. *See adv index at end of book*

SCRAPERS (BOILER TUBE)
GEM GUARANTEE GOOD
"Gem," Brush Spiral and Coniform are wonders.
GEM MFG. CO., Pittsburgh, Pa.

Gilmore Tube Scraper Works (F. G. Crowell Prop.) ("Gilmore" Tube Scraper), Buffalo, N. Y.
**GODFREY-KEELER CO.,** 70 Warren, New York *See adv index at end of book*
Keeley James J. ("Jackson" Flue Scraper), Jackson, Mich.
Lord L. L., Meadville, Pa.
Newark Brush & Scraper Co. ("Collicott's" Improved Ingall's), 266 Fabyan pl, Newark, N. J.
Pilley Flue Brush Co. ("Pilley"), 604 S 3rd, St. Louis, Mo.
Ryerson Jos. T. & Son, 919 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Scully Steel & Iron Co. ("Ruggles Perfection"), 2364 S Ashland av, Chicago, Ill.
Sherwood Mfg. Co. ("Duplex" Tube Scraper, "Engineers' Favorite" Flue Scraper), 1709 Elmwood, Buffalo, N. Y.
Smith Winfield H. ("Common Sense"), Buffalo, N. Y.
Stewart Heater Co. ("Favorite"), N Tonawanda, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Worcester Brush & Scraper Co. ("Ingalls" Tube Scraper & Brush), Worcester, Mass.

## 2649—Cleaners, Boiler Flue or Tube (Soot Blowers & Suckers)

Bayer Steam Soot Blower Co., St. Louis, Mo.
Chesterton A. W. Co. ("Wonder," "Robinson" Tube Cleaner), 64 India, Boston, Mass.
Clafiin C. A. Co. ("Clafiin" Automatic & Continuous-blast), 161 High, Boston, Mass.
Coggeshall Co., 123 Liberty, New York
Diamond Power Specialty Co. ("Diamond" Steam Flue Blower), Oakland & Caniff, Detroit, Mich.
General Specialty Co. ("Whirlwind"), Buffalo, N. Y.
Griffiths James A. ("The Cook"), 1315 Buttonwood, Phila., Pa.
**Hafer Foundry & Machine Works, Chambersburg, Pa.**
Hennebohle Frank, 81st, S Chicago av, Chicago, Ill. *See adv index at end of book*
Huyette Paul B. Co. ("Tornado" Air Blower Tube or Flue Cleaner), 5 S 18th, Phila., Pa.
Lane Mfg. Co., Chicago Heights, Ill.
Marion Machine, Foundry & Supply Co. ("Marion" Soot Blower), Marion, Ind.
Max Machine Co., Clinton, Mass.
National Flue Cleaner Co. ("National"), Trenton, N. J.
Nuhring Chas. & Bro. ("Success" & "Kant-Blo-Off"), 1212 Walnut, Cincinnati, O.
Parson Mfg. Co. ("Parson's" Air Jet Flue Cleaner), 35 Nassau, New York
Pilley Flue Brush Co. ("Pilley" Flue Blowers), 604 S 3rd, St. Louis, Mo.
Self-Cleaning Strainer Co., 6329 Stewart av, Phicago, Ill.
Sherwood Mfg. Co. ("Favorite" Steam Flue Blowers), 1709 Elmwood, Buffalo, N. Y.
Simonds G. L. & Co. ("Vulcan"), 230 S La Salle, Chicago, Ill.
Steam Appliance Co. ("Henry" Steam), Milwaukee, Wis.
Thompson Richard & Co. ("Thompson's 20th Century" Tube Cleaner or Injector Blower), 126 Liberty, New York
Vulcan Soot Cleaner Co. ("Vulcan"), Du Bois, Pa.

## 2650—Cleaners, Boiler Flue or Tube (Steam or Power)

Bayer Steam Soot Blower Co. (Steam Only), St. Louis, Mo.

CLEANERS, BOILER FLUE OR TUBE (STEAM OR POWER)—continued

Burgess Machine Co. ("Gronvold" Boiler Flue), New Haven, Conn.
Caldwell H. W. & Son Co. ("Red Jacket"), 17th & Western av, Chicago, Ill.
Claflin C. A. Co. ("Claflin" Steam Automatic & Continuous-blast), 161 High, Boston, Mass.
Cleveland Flue Cleaner Mfg. Co., 321 Frankfort av, N. W., Cleveland, O.
Coggeshall Co., 123 Liberty, New York
General Specialty Co. ("Torpedo" Power), Buffalo, N. Y.
**GODFREY-KEELER CO.,** 70 Warren, New York *See adv index at end of book*
Hafer Foundry & Machine Wks., Chambersburg, Pa.
Lagonda Mfg. Co. ("Weinland" Water Power Tube Cleaner), Springfield, O.
Liberty Mfg. Co. ("Liberty," "Cyclone," "Chicago"), Pittsburgh, Pa.
Manchester Mfg. Co. ("Myers," Automatic), North Manchester, Ind.
Maurer Wm. & Co. ("Lightning" Tube Cleaners), South Bend, Ind.

## 2651—Cleaners (Boiler, Skimmers)

Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Monarch Silk Remover Co. (Inc.) (Steam), 261 Franklin, Boston, Mass.
Osborn-Crew Mfg. Co. ("A. & D."), 1628 E 39th, Cleveland, O.
Pierce Wm. B. Co. ("Dean" Tube Cleaner), 40 N Davision, Buffalo, N. Y.
Poole Mfg. Co. ("Little Giant" Power Water Tube & Fire Tube Cleaner), 325 Columbus av, Boston, Mass.
Robertson Jas. L. & Son ("The Hurricane"), 78 Murray, New York
Roto Co. ("Roto" Steam, Air & Water Driven), Hartford, Conn.
Ryerson Jos. T. & Son, 2558 W. 16th, Chicago, Ill. *See adv index at end of book*
Steam Appliance Co. ("Henry," Steam Flue Cleaners), Milwaukee, Wis.
Buckeye Boiler Skimmer Co. ("Buckeye" Automatic), Toledo, O.
Manchester Mfg. Co. ("Myers"), North Manchester, Ind.
Sharkey & Peck, 2433 W 18th, Chicago, Ill.

## 2652—Cleaners (Boiler, Turbine)

Lagonda Mfg. Co. ("Weinland"), Springfield, O.
Liberty Mfg. Co. ("Liberty" Heavy Duty), Pittsburgh, Pa.

## 2653—Cleaners (Bolting Cloth)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Cream City Can Works ("Peterson's"), 241 Oregon, Milwaukee, Wis.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.

## 2654— Cleaners (Broom Corn)

Reese F. W. ("Reese"), Paris, Ill.
Shaw, Welch & Co. ("Galesburg"), Galesburg, Ill.

## Cleaners (Carpet)

See Sweepers, Carpet

## 2655— Cleaners (Corn)

Barnard & Leas Mfg. Co., Moline, Ill.
Cleland Mfg. Co. ("Expert"), 280 University av, N, Minneapolis, Minn.
Ferrell A. T. & Co., Saginaw, Mich.
Great Western Mfg. Co., Leavenworth, Kan.
Marseilles Works of Deere & Co., East Moline, Ill.
Nordyke & Marmon Co. (Also Grain), Kentucky av & Morris, Indianapolis, Ind.
Owens J. L. Co., Fulton & S. E. Huron, Minneapolis, Minn.
Sprout Waldron & Co., Muncy, Pa.
Twin City Separator Co. ("Hero"), 29th & Colfax av S, Minneapolis, Minn.
Union Iron Works, Decatur, Ill.

## 2655a—Cleaners (Current & Raisin)

American Machinery Co. ("American"), 330 N 12th, Phila., Pa.

## 2656— Cleaners (Drain)

See also Shovels & Spades, Drain & Tiling
Columbus Handle & Tool Co., Columbus, Ind.
Farmers' Cement Tile Machine Co., St. Johns, Mich.
Iwan Bros. ("Champion"), South Bend, Ind.
Seymour Mfg. Co., Seymour, Ind.

## 2657-8—Cleaners (Drain Pipe)

Blue Seal Chemical Co., 424 Broome, New York
Chamberlain Co. ("Desolvo" Compound), 305 Penn av, Pittsburgh, Pa.
Chemical Products Co. ("Ninety-Nine"), 116 Christopher, New York
Hercules Chemical Co., 347 B'way, New York

## Cleaners (File)

See Cards, File

## 2659— Cleaners (Flax-Seed)

Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.
Owens J. L. Co. ("Northwestern"), Fulton & S. E. Huron, Minneapolis, Minn.

## 2660— Cleaners (Gun)

See also Tools, Gun Cleaning & Reloading
Faries Mfg. Co. (Rods), Decatur, Ill.
Handy Things Mfg. Co., Ludington, Mich.
Marble Arms & Mfg. Co., Gladstone, Mich
Rogers Frank H, Deep River, Conn.
Stevens J. Arms Co. (& Rifle), Chicopee Falls, Mass.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

## 2661— Cleaners (Hand)

See also Soap

California Exterminating Co., Inc., 121 Manhattan, New York.
Fiebing Chemical Co., 240 Reed, Milwaukee, Wis.
Flash Chemical Co., 160-2nd, Cambridge, Mass.
Harsh-Miller Mfg. Co. ("Humane" Horse Cleaners), Wabash, Ind.
Hollingshead R. M. Co. ("Whiz" Roadside), Camden, N. J.
Klean-Wel Mfg. Co. ("Klean-Wel"), Superior Viaduct, Cleveland, O.
Seed Filter & Mfg. Co. ("Seed's"), 73 Franklin, New York

## 2662—Cleaners, Hat (Motor Driven)

Fidelity Elec. Co., Lancaster, Pa.
Robbins & Myers Co., 1400 Layonde, Springfield, O.
Schnauffer Wm. A., 200 W. 83d, New York

## 2663— Cleaners (Hose)

Consolidated Mfg. Co. ("Rudiger" Automatic), 54 Belmont av, Newark, N. J

## 2664-5— Cleaners (Knife)

Hamilton-Low Co. ("P. D."), 62 Van Winkle av, Jersey City, N. J.
Keil Francis & Son, 401 E 163d, New York
Landers, Frary & Clark ("Universal"), New Britain, Conn.

## 2666— Cleaners (Metal)

Advance Platers' Supply Co., 125 W Illinois, Chicago, Ill.
Am. Chemical Paint Co. (For Iron & Steel), 1118 S 11th, Phila, Pa. *See adv index at end of book*
Electric Smelting & Aluminum Co. ("Mineral-Cleaner"), Lockport, N. Y.
Ford J. B. Co ("Wyandotte"), Wyandotte, Mich.
International Chemical Co., Camden, N. J.
Metal Products Co. (Paramount), 100 S Jefferson, Chicago, Ill. *See adv index at end of book*
Orona Sales Co. ("Orona"), 29 India, Boston, Mass.
Pangborn Corp. (Exterior Car), Hagerstown, Md.
Rhodes Jas. H. & Co. ("Carlsruhe"), 115 Fulton, New York

## 2666a— Cleaners (Nail)

The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.

## 2667—Cleaners or Rumblers (Cork)

U. S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.

## 2668— Cleaners (Pavement)

See also Scrapers, Road & Pavement
American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Columbus Handle & Tool Co. ("Columbus" Steel), Columbus, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Jackson Shovel & Tool Co. (Steel), Montpelier, Ind.
Kohler F. E. Co. (Steel), Canton, O.
Maynard C. A., Northampton, Mass.
Union Fork & Hoe Co. (Solid Steel, Snow & Ice), Columbus, O.
Union Furnace Mfg. Co., Union Furnace, Pa.
Wallingford Mfg. Co. (Solid Steel, Snow & Ice), Wallingford, Vt.

## 2669— Cleaners (Pipe)

Baum Bros. Co., Denver, Col.
Chamberlain Co. ("Desolvo"), 305 Penn av, Pittsburgh, Pa.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hercules Chemical Co. (Chemical Plumbing), 347 W. B'way, New York
Lewis Sam'l Drain ("Wrigley"), 73 Barclay, New York
Pilley Flue Brush Co., 604 S 3d, St. Louis, Mo.

## 2670— Cleaners (Pot)

See also Scrapers, Pot & Kettle
Andrews Wire & Iron Works, Rockford, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Mystic Mit Co., Inc., 240 Main, Orange, N. J.
Ritzenhaler John ("Durable," Gold Sink Metal), 73 Franklin, New York
Sherwood J. M. Co., 154 Chambers, New York
Wickwire Spencer Steel Corp. ("Natwire"), Worcester, Mass. *See adv index at end of book*

## 2671— Cleaners (Sack)

White T. G. ("Wizard"), Cedar Rapids, Ia.
Wolf Co., Chambersburg, Pa.

## 2672— Cleaners (Shoe)

Dennehy Bros., Brockton, Mass.
Hilker Edward Mop Co. ("Hilker"), 2614 W. Grand av, Chicago, Ill.
Root-Heath Mfg. Co. ("Universal"), Plymouth, Pa.

## Cleaners (Sidewalk)

See Cleaners, Pavement

## 2673— Cleaners (Sink)

National Enameling & Stamping Co., 411 5th av, New York
New York Stamping Co. ("Magic"), N 11th & Berry, Brooklyn, N. Y.
Osborn Mfg. Co., 540-1 E Hamilton, Cleveland, O *See adv index at end of book*
Wickwire Spencer Steel Corp. ("Natwire"), Worcester, Mass. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 2674— Cleaners (Skylight)

Andersen Specialty Co. ("Daylite," Greaseless), 6 E Lake, Chicago, Ill.

## 2675—Cleaners (Smoking Pipe)

Gilbert E. T. Mfg. Co., Rochester, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## 2676— Cleaners (Soot)

Diamond Power Specialty Co., Oakland & Caniff, Detroit, Mich.

## 2677— Cleaners (Track)

**Brill J. G. Co., 62d & Woodland av, Phila., Pa.**
**McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.**
**Root Spring Scraper Co., Kalamazoo, Mich.**
**St. Louis Car Co. (Scrapers), 8000 N B'way, St. Louis, Mo.**

## Cleaners (Vacuum)

**See Vacuum Cleaners, Hand & Power**

## 2678—Cleaners (Wall Paper)

Climax Cleaner Mfg. Co., 2080 W 110th, Cleveland, O.
Electric Cleanser Co., Canton, O.
Fuller H. B. Co. ("Fuller's" Cold Water), 188 W 3d, St. Paul, Minn.
**Jewel Mfg. Co., 2863 W 22nd, Chicago, Ill**
Klean-Wel Mfg. Co. ("Klean-Wel"), Superior Viaduct, Cleveland, O.
Mayer F. D. Mfg. Co., 222 W Superior, Chicago, Ill.
*See adv index at end of book*
**Rutherford Wm., 2433 Leland av, Chicago, Ill.**

## 2679— Cleaners (Window)

**See also Brushes, Window**

Coleman Allan J. ("Improved" Adjustable & Flexible Coil Closet), 208 N Wabash av, Chicago, Ill.
**Dennis W. J. & Co. ("Ideal"), 2120 W Lake, Chicago, Ill.**
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
**Goodrich B. F. Co. (Rubber), Akron, O.**
Mac Leod Mfg. Co., 227 W Austin av, Chicago, Ill.
Osborn Mfg. Co. ("Sure Clean"), 5401 E Hamilton, Cleveland, O.
*See adv index at end of book*
Outlook Co. (Auto Windshield), 5510 Euclid av, Cleveland, O.
**Parker Wire Goods Co., Worcester, Mass.**
**Smith F. H. Mfg. Co. ("Common Sense" Adjustable & "O. K."), 3047 Carroll av, Chicago, Ill.**
**Standard Cleaner Co. ("Peerless," "X-L-C-R" Rubber), 136 W Lake, Chicago, Ill.**
Tri-Continental Corp., 2665 Main, Buffalo, N. Y.

## 2680—Cleaning (Water Main)

**National Water Main Cleaning Co., 50 Church, New York**

## 2681— Cleanouts

Advance Mfg. Co. ("Palmer," "Dandy" Cast Iron), Erie, Pa.
American Foundry & Mfg. Co. (Brass, Cast Iron & Iron Body), 11th & Hebert, St. Louis, Mo.
**Barrett Jas. Mfg. Co. ("Barrett Nonpareil," Cast Iron & Iron Body), 117 Pearl, Boston, Mass.**
**Bignall Co. ("Dandy"), Medina, N. Y.**
**Blake Specialty Co. ("Blake's"), Rock Island, Ill.**
**Campbell J. B. Brass Works (Brass & Iron Body), Erie, Pa.**
**Central Foundry Co. ("Sure-Seal," Cast Iron & Iron Body), 90 West, New York**
**Charlotte Pipe & Foundry Co. (Cast Iron & Iron Body), Charlotte, N. C.**
**Compound Injector & Specialty Co. ("Dehn's Acme," Cast Iron), 419 N Laramie av, Chicago, Ill.**
Conrad Jno. F. Co., Elizabeth, N. J.
**Cooper Sanitary Mfg. Co. (Brass), 34th & Chestnut, Phila., Pa.**
**Craig David, 70 Broad, Boston, Mass.**
**Crampton-Farley Brass Co. ("Noxall" Iron), 221 Main, Kansas City, Mo.**
**Estabrook's R. Sons ("Boston," Cast Iron), 202 1st, Boston, Mass.**
**Federal-Huber Co. (Brass), 234 N Halsted, Chicago, Ill.**
**Fleck Bros. Co. (Brass), 44 N 5th, Phila., Pa.**
**Franklin Pipe & Foundry Co. (Cast Iron & Iron Body), 2438 S Paulina, Chicago Ill.**
Glauber Brass Mfg. Co. (Brass & Iron Body), 49th & Superior av N E, Cleveland, O. *See adv index at end of book*
Haines, Jones & Cadbury Co. (Brass & Iron Body), 1136 Ridge, Phila., Pa.
**Haydenville Co. (Brass & Iron Body), Haydenville, Mass.**
Hays Mfg. Co. ("Foley," Brass & Cast Iron), Erie, Pa.
Illinois Malleable Iron Co. (Brass & Iron Body), 1801 Diversey blvd, Chicago, Ill.
Kupferle Jno. C. Foundry Co. (Iron Body), 1st & Wright, St. Louis, Mo.
Modern Iron Works (Cast Iron & Iron Body), Quincy, Ill.
Monarch Brass Co. (Brass), Cleveland, O.
Perkes Chas. (Est. of) (Brass), 627 Arch, Phila., Pa.
Pittsburgh Valve & Fittings Co. ("Pittsburgh" Cast Iron), Frick bldg., Pittsburgh, Pa.
Prier Brass Mfg. Co. (Brass & Cast Iron), Kansas City, Mo.
Royal Brass Mfg. Co. (Brass), 1418 E 43d Cleveland, O.
**Sanitary Co. of America (Brass, Cast Iron & Iron Body), Linfield, Pa.**
**Stebbins E. Mfg. Co. (Brass), Springfield, Mass.**
Street & Kent Mfg. Co. (Brass), 549 Fulton, Chicago, Ill.
**Swett A. L. Iron Works (Cast Iron), Medina, N. Y.**
**Union Brass & Metal Mfg. Co. (Brass), Lawson & Mackubin, St. Paul, Minn.**
**Union Foundry Co., Anniston, Ala.**
**Union Metal Works, Chelsea, Mass.**
Watertite Drain & Scupper Co. ("Anticlogg," Brass, Cast Iron & Iron Body), 351 Lex. av, New York
Wheeling Sanitary Mfg. Co. (Enameled), Wheeling, W Va.
Wolff Mfg. Co. (Brass, Cast Iron & Iron Body), 255 N Hoyne av, Chicago, Ill.
**Woodward-Wagner Co. (Iron Body), 1106 Spring Garden, Phila., Pa.**

## 2681a— Cleanser (Aluminum)

Flash Chemical Co. ("Flash"), 160 2nd, Cambridge, Mass.

## 2682— Cleats (Awning)

Greene, Tweed & Co., 109 Duane, New York
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Parker Wire Goods Co., Worcester, Mass.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 2682a— Cleats (Barrel)

Hubbard & Co. ("Co-Z"), 63d & Butler, Pittsburgh, Pa.
Hubbard Pressed Steel Co., Niles, O.

## 2683— Cleats (Boat)

Davies & Thomas Co., Catasauqua, Pa.
Gillie Machine Co., Tonawanda, N. Y.
Harry L. C. Co., 114 Liberty, New York
Laughlin Thos. Co., Portland, Me.
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Marine Hardware Co., Peabody, Mass.
Marine Hardware-Equipment Co. ("Acme" & "Mheco"), So. Portland, Me.
*See adv index at end of book*
Marine Mfg. & Supply Co., 158 South, New York
Penn Seaboard Steel Corp., Franklin Bank bldg, Philadelphia, Pa.
*See adv index at end of book*
Shelton Water Co., Derby, Conn.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox, Crittenden & Co., Inc. (Brass & Galvanized), Middletown, Conn.
*See adv index at end of book*

## 2684— Cleats (Car Wiring)

Bryant Electric Co., Bridgeport, Conn.
Burns Jas. F., 713 Cherry, Phila., Pa.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
**MORSE FRANK W.** (Brass), 289 Congress, Boston, Mass.
*See adv index at end of book*

## 2685—Cleats (Compressed Wood Wiring)

Blake Signal & Mfg. Co., 251 Causeway, Boston, Mass.

## 2686— Cleats (Conduit)

Berger Bros. Co., 229 Arch, Phila., Pa.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.

## 2687— Cleats (Fibre Wiring)

American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.
Continental Fibre Co. ("Bakelite Dilecto" & Vulcanized fibre), Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.,** Wilmington, Del.; Works: Marshallton, Del. *See adv index at end of book*
Diamond State Fibre Co., Bridgeport, Pa.
National Fibre & Insulation Co., Yorklyn, Del.
Standard Fibre Co., Miller st, Somerville, Mass.
**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del.
*See adv index at end of book*

## 2688—Cleats (Porcelain or Clay)

Akron Smoking Pipe Co., Mogadore, O.
Colonial Sign & Insulator Co., Akron, O.
**Denver Pressed Brick Co., Denver, Colo.**
Electric Porcelain & Mfg. Co. (Porcelain Only), Trenton, N. J.
Empire China Works (Porcelain to Order Only), 156 Greene, Brooklyn, N. Y.
Imperial Porcelain Works ("Duggan," Porcelain), Trenton, N. J.
Pass & Seymour (Porcelain), Solvay, N. Y.
Thomas R. & Sons Co. (Electrical Porcelain Only), East Liverpool, O.
Trenton Porcelain Co., Trenton, N. J.
Union Porcelain Works, 300 Eckford, Brooklyn, N. Y.

## 2689— Cleats (Rope)

Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
**Parker Wire Goods Co. ("Handy"), Worcester, Mass.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 2689a— *Cleats (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 2690—Cleavers (Butchers' & Family)

American Knife Co. (Butchers), Baldwinsville, N. Y.
American Cutlery Co. (Family), 764 Mather, Chicago, Ill.
Black John B. Co. ("Wm. Beatty & Sons," "Royal," "Diamond"), Chester, Pa.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Brecht Co., 1201 Cass av, St. Louis, Mo.
Browne & Dowd Mfg. Co. (Family), Meriden, Conn.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Chatillon Jno. & Sons, 85 Cliff, New York
Christy Knife Co. (Family Cleavers), Fremont, Ohio
**Clyde Cutlery Co. (Family), Clyde, O.**
Enderes, Inc., Albert Lea, Minn.
**Evansville Tool Works, Evansville, Ind.**
Forsyth Metal Goods Co. ("Family"), E Aurora, N. Y.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Kinnell Philip H., Columbus, O.
Knickerbocker Mfg. Co. (Family Only), Belleville, N. J.
Mack & Co., Rochester, N. Y.
**NICHOLS BROS.** ("Nichols Bros."), Greenfield, Mass.
Ontario Knife Co. (Family), Franklinville, N. Y.
**Reading Saddle & Mfg. Co. ("Reading" Family), Reading, Pa.**

CLEAVERS (BUTCHERS' & FAMILY)—continued

Richard Stephen Co. ("S-N" & Family), Southbridge, Mass.
Stortz, Jno. & Son (Family), 210 Vine, Phila., Pa.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
White Ira F. & Son Co. (Family Cleaver & Tender), Bloomfield, N. J.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 2691— Cleavers (Ice)

Gruman Ice Tool Works, Branchville, Conn.

## 2692—Clevises (Anchor & Chain)

Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of book*
Marine Hardware—Equipment Co. ("Acme," "Mheco"), So Portland, Me. *See adv index at end of book*
Thacher Propeller & Foundry Corp., Albany, N. Y.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 2693—*Clevises (Bridge & Structural)

**MERRILL BROS.,** 3 Arnold, Maspeth, Borough of Queens, N. Y. *See adv index at end of book*

## 2694— Clevises (Evener)

American Logging Tool Co., Evart, Mich.
Badger Malleable & Mfg. Co., S Milwaukee, Wis
Rock Island Mfg. Co., Rock Island, Ill.
Stowell Co., The, S Milwaukee, Wis.

## 2695— Clevises (Plow, Etc.)

Badger Malleable & Mfg. Co., So Milwaukee, Wis
Danville Malleable Iron Co., Danville, Ill.
Dexter Co. ("Dexter" Automatic), Fairfield, Ia
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O.
Eccles Richard Co., Auburn, N. Y.
Empire Plow Co., 3140 E. 65th, Cleveland, Ohio
Federal Malleable Co. ("Federal"), West Allis, Wis.
Frazer & Jones Co. (Mall.), Syracuse, N. Y.
Harvey Spring & Forging Co., Racine, Wis.
Haven Malleable Castings Co., Cincinnati, Ohio
Herschel R. Mfg. Co., Peoria, Ill.
Mason F. C. & Co. ("Mason"), St. Johns, Mich.
National Malleable Castings Co., 7706 Platt, S E, Cleveland, O.
Pratt Wm. E. Mfg. Co. ("Pratt"), 35 W Lake, Chicago, Ill.
**Rock Island Mfg. Co., Rock Island**
Stowell Co., The, S Milwaukee, Wis.
Tower & Sullivan Mfg. Co., Rome, Ga.
Union Malleable Iron Co., East Moline, Ill.

## 2696—Clevises (Pump Lifting)

Love M. A. Mfg. Co., Rockford, Ill.
Trahern Pump Co., Rockford, Ill.
Ward Pump Co., Rockford, Ill.

## 2697— Climbers (Linemen's)

Bates Extended Steel Truss Co., 208 S La Salle, Chicago, Ill.
Blakeslee Forging Co. ("Donnelly"), Plantsville, Conn.
Buckingham W. H. ("Stephens"), Binghamton, N. Y.
Cincinnati Tool Co. ("Hargraves"), Norwood, Cincinnati, O. *See adv index at end of book*
Columbus Handle & Tool Co., Columbus, Ind.
Cronk & Carrier Mfg. Co. ("Sure Grip"), 150 Lake, Elmira, N. Y. *See adv index at end of book*
Dicke Tool Co., Downers Grove, Ill.
Irvington Mfg. Co., Irvington, N. J.
Klein, Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Ransome Concrete Machinery Co. ("Roberts"), Dunellen, N. J.
Reidy Jno. J. ("Superior" Drop Forge), New Haven, Conn.
Smith H. D. & Co. ("S" Drop Forged), Plantsville, Conn.
**SMITH & HEMENWAY CO., INC.** ("Never Turn," "Swedish" & "Red Devil"), 261 H. B'way, New York, & 130 H. Colt, Irvington, N. J. *See adv index at end of book*

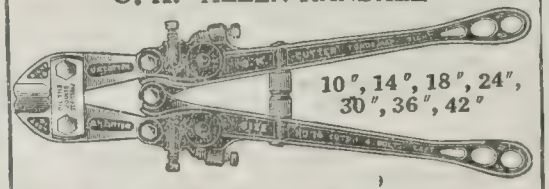
## 2698— Clinometers

Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

## 2699—Clippers (Bolt or Rivet)

American Metal Products Co., 72 W Adams, Chicago, Ill.
Carolus Mfg. Co. ("Carolus"), Sterling, Ill.
Chain Belt Co. ("Levalley"), Milwaukee, Wis.
Chambers Bros. Co., 52nd, below Lancaster av, Phila., Pa.
Champion Tool Co. ("Champion"), Meadville, Pa.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Irving Mfg. & Tool Co. (Bolt Cutter), 157 Chambers, New York
Mann Corp. (Bolt) ("Manco"), 72 W Adams, Chicago, Ill.
Plomb Tool Mfg. Co. (Jobbers), 2209 Santa Fe av, Los Angeles, Cal.
Porter H. K. ("Easy," "New Easy," "Allen Randall," "O K"), 6 Ashland, Everett, Mass. *See adv index at end of book*

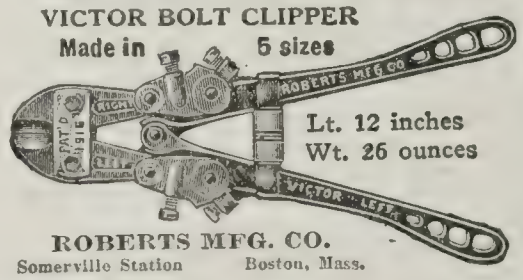

**Bolt Clippers**
EASY—NEW EASY—
O. K. ALLEN RANDALL




**H. K. PORTER, Everett, Mass.**


Rivet Cutting Gun Co., 116 E. 3rd, Cincinnati, O.
Roberts Mfg. Co. ("Roberts" & "Victor"), Somerville, Mass. *See adv index at end of book*


**VICTOR BOLT CLIPPER**
Made in 5 sizes




Lt. 12 inches
Wt. 26 ounces

**ROBERTS MFG. CO.**
Somerville Station Boston, Mass.


Schollhorn Wm. Co. ("Elm City," "Bernard" End Cutting), New Haven, Conn.

## Clippers (Cattle Dehorning)

See Dehorners, Cattle

## 2700—Clippers (Finger Nail)

Cook H. C. Co. ("Gem," "Ansonia"), 100 120 Jewett, Ansonia, Conn.
General Phonograph Corp. ("Ideal"), 25 W 45th, New York
King Klip Co., 1328 B'way, New York
Klip-Klip Co. (Klip-Klip), Rochester, N. Y.
Sperry & Alexander Co. (Toolever), 79 Chambers, New York

## 2701—Clippers (Hair, Barbers')

Booker Cutlery & H'dwe. Co., Inc., 101 Duane, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
Coates Clipper Mfg. Co. ("Khedive," "Bay State," "Left Hand," "Coates," "Liberty," Capitol," "Success," "Triumph"), Worcester, Mass.
Racine Universal Motor Co. (Electric "Universal"), 53 W Jackson blvd, Chicago, Ill.
Universal Shear & Mfg. Co., 38 Littleton av, Newark, N. J.

## 2702— Clippers (Horse)

See also Horse Clipping Machines
Amercian Shearer Mfg. Co. ("Priest's"), Nashua, N. H.
Bartley Bros. & Hall ("Clarks" Imported), 50 Warren, New York
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd, Chicago, Ill.
Reliable Electric Co. ("Reliable," Electric), 411 S Sangamon, Chicago, Ill.

## 2703— Clippers (Orange)

Clauss Shear Co. ("Claus"), Fremont, O.
Henry John T. Mfg. Co., Hamden, Conn.
National Cutlery Co., Westmoreland & Boudinot, Phila., Pa.
Wiss J. & Sons Co., 31 Littleton av, Newark, N. J.

## Clippers (Stay Bolt)

See Pneumatic Stay Bolt Clippers

## 2704— Clips (Axle)

Akron-Selle Co., Akron, O.
**BONNEY VISE & TOOL WORKS** (Automobile & Carriage Spring), Allentown, Pa. *See adv index at end of book*
Bossert Cork, cor Linden & West av, Utica, N. Y.
Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.
Cleveland Hardware Co., Lakeside av & E. 45th, Cleveland, O.
Columbus Bolt Works Co., Columbus, O.
Cowles C. & Co., New Haven, Conn.
Easton Car & Construction Co., 36 Church, New York *See adv index at end of book*
Eccles Richard Co. (Drop Forged), Auburn, N. Y.
Harvey Spring & Forging Co., Racine, Wis
Keystone Forging Co. ("Windsor" Drop Forged), Northumberland, Pa.
Moore Franklin Co., Winsted, Conn.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Seward M. & Son Co., New Haven, Conn.
Smith H. D. & Co., Plantsville, Conn.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Union Forging Co., Union, N. Y.
Upson Nut Co., Cleveland, O.
Western Tool & Forge Co., Brackenridge, Pa.
Wilcox D. Mfg. Co., Mechanicsburg, Pa.
Williams J. H. & Co. (Drop-Forgings), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## 2705—Clips (Breeching & Cockeye)

American Mfg. Co., Chattanooga, Tenn.
Columbus McKinnon Chain Co., Columbus, Ohio *See adv index at end of book*
Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Schartow Mfg. Co., Milwaukee, Wis.

## Clips (Cable Hanging)

See Hangers, Cable

## 2706— Clips (Canthook)

American Logging Tool Co., Evart, Mich.
Stowell Co., The, S. Milwaukee, Wis.

## 2707— Clips (Damper)

Adams Co. ("Adams" Cast Steel & Steel), Dubuque, Ia.
Berger Bros. Co. ("B. B."), 229 Arch, Phila., Pa.
Brohard Co. (Malleable Iron), 3rd & Lehigh, Phila., Pa.
Federal Stamping Co. ("Federal"), Holland, Mich.
Loetscher-Ryan Mfg. Co. ("Star"), Dubuque, Ia.
Meister & Cochran ("Sterling" No-Rivet), Sterling, Ill.
Parker Supply Co. ("Sure Lock-Clip"), 785 E 135th, New York
Sterling Foundry Co. ("Sterling," No-Rivet), Sterling, Ill.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, O.

U. S. Register Co., Ltd., Battle Creek, Mich.
Wagner C. De Witt, Cedar Rapids, Ia.
Wrightsville Hardware Co., Wrightsville, Pa.

## 2708— Clips (Floor)

Chicago Builders' Specialties Co. ("O K" Wire), 11 S La Salle, Chicago, Ill.
Mulvey Chas. Mfg. Co. (Steel Floor), 1840 Carroll av, Chicago, Ill.
**STANLEY WORKS,** New Britain, Conn.
*See adv index at end of book*

## 2709— Clips (Fountain Pen)

Ansonia Novelty Co. ("Best"), Ansonia, Conn.
Consolidated Safety Pin Co. ("Klymax"), Bloomfield, N. J.
Van Valkenburg L. D. ("Faultless" V. V. Clips), Holyoke, Mass.

## 2710— Clips (Fuse)

Condit Electrical Mfg. Co. ("Shawmut"), 1st & L, Boston, Mass.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
D. & W. Fuel Co., Hathaway, Providence, R. I.
Sherman H. B. Mfg. Co., Battle Creek, Mich.

## 2711— Clips (Hame)

Columbus McKinnon Chain Co., Columbus, Ohio *See adv index at end of book*
East Bangor Mfg. Co., Bangor, Pa.
Frazer & Jones Co., Syracuse, N. Y.
Imperial Bit & Snap Co. ("Imperial," "Eureka"), Racine, Wis.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Schartow Mfg. Co., Milwaukee, Wis.
Standard Rivet Co., 41 Lincoln, Boston, Mass.
Titchener H. H. & Co., Binghamton, N. Y.

## 2712— Clips (Paper)

Automatic Pencil Sharpener Co., 58 E Washington, Chicago, Ill.
Buffalo Automatic Mfg. Co. ("Climax"), 165 Pearl, Buffalo, N. Y.
Buffalo Machine Mfg. Co., Buffalo, N. Y.
Clinch Clip Co., 196 Seneca, Buffalo, N. Y.
Clipless Paper Fastener Co., Newton, Ia.
Consolidated Safety Pin Co. ("Eureka"), Bloomfield, N. J.
Cook H. C. Co. ("Vise Clip" & "Cling" Clips), 100-120 Jewett, Ansonia, Conn.
Cushman & Denison Mfg. Co. ("Gem," "Ideal"), 240 W 23rd, New York
Easy Fastener Co., Atlanta, Ga.
Eisler Anthony & Co. ("Presto"), 227 Canal, New York
**EVEREADY MFG. CO. OF BOSTON** ("Eveready," also "Eveready" Automatic Clip Fastener Machines), 5 Knapp, Boston, Mass.
*See adv index at end of book*
Freshour Henry C. ("Perfect"), Bridgeport, Conn.
Gem Stopper Co., Little bldg, 2120 Nicholas, Phila., Pa.
Globe-Wernicke Co., 25 Carthage av, Cincinati, O.
Graff Geo. B. Co. ("Graffco Vise," "Graffco Cling"), 294 Washington, Boston, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Moesting Pin Ticket Co., Inc. ("Gem," "Simplex," "Ring," "Ideal"), Mt. Vernon, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., New Haven, Conn.
Sureloc Paper Clip Co., Providence, R. I.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Wels Mfg. Co. ("Wels"), Monroe, Mich.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
*See adv index at end of book*
Yessler Max, Inc. ("Cliplox"), Milwaukee, Wis.

## 2713— Clips (Pen & Pencil)

Ansonia Novelty Co., Ansonia, Conn.
Argus Mfg. Co. ("Up-to-Date"), 402 N. Pauline, Chicago, Ill.
Grammes L. T. & Sons, Allentown, Pa.
*See adv index at end of book*
Sterling Metal Novelty Mfg. Co., 174 Worth, N. Y.
Traut & Hine Mfg. Co., New Britain, Conn.
Van Valkenburg L. D. ("Faultless," "Van Valkenburg's"), Holyoke, Mass.
Waterbury Button Corporation, 831 S Main Waterbury, Conn.
*See adv index at end of book*

## 2714— Clips (Saddle, Etc.)

Eccles Richard Co., Auburn, N. Y.

## 2715—Clips (Singletree & Doubletree)

Eccles Richard Co., Auburn, N. Y.
Harvey Spring & Forging Co., Racine, Wis.

## Clips (Sleeper)

See Clips, Floor

## 2716— .Clips (Structural Steel)

Auer John, Jr. (Beam Clips), 197 Middleton, Brooklyn, N. Y.
Racky Albert C., 531 S 5th av, Chicago, Ill.
Streeter Clip & Specialty Co., 4125-27 Ravenswod av, Chicago, Ill.

## 2717— Clips (Testing)

Condit Electrical Mfg. Co. ("Condit"), 1st & L, Boston, Mass.
**MORSE FRANK W.** ("Morse Eureka"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Mueller R. S. & Co. (Insulated Universal), 423 High av, Cleveland, O.

## 2718— Clips (Wire Rope)

American Hoist & Derrick Co. ("Crosby"), St. Paul, Minn.
**AMERICAN STEEL & WIRE CO.** (A. S. & W. Co.'s), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Broderick & Bascom Rope Co. (Jobbers), 805 N. Main, St. Louis, Mo.
Channon Jas. H. Mfg. Co. ("Union"), 227 W Erie, Chicago, Ill.
Chicago Wire Rope Preserver Co. ("Chicago"), 315 S La Salle, Chicago, Ill.
Cincinnati Railway Supply Co., 13 E 2d, Cincinnati, O.
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Hallett Iron Works, Harvey, Ill.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Lamson & Sessions Co. ("Bull Dog" Clip), 2188 Scranton rd, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Laughlin Thos. Co. ("Dirigo"), Portland, Me.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Macomber & Whyte Rope Co. ("Mac-Whyte"), Kenosha, Wis.
Mockbee C. M. ("Cincinnati"), 816 E Pearl, Cincinnati, O.
**MOON GEO. C. CO.,** ("Crescent"), Garwood, N. J. *See adv index at end of book*
Neptune Hardware Mfg. Co., 29 Murray, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Seward & Co., Bloomington, Ind.
Terry & Tench Co., 70 E 45th, New York
Upson-Walton Co. of N. Y., The, 291 Broadway, New York
Wickwire Spencer Steel Corp. ("Crosby"), Worcester, Mass.
*See adv index at end of book*
Wilcox, Crittenden & Co. ("Nipper," "Crosby"), Middletown, Conn.
Williamsport Wire Rope Co., Inc., Williamsport, Pa.
*See adv index at end of book*

## 2719— Clock Mfrs.

See also Clocks, Various Kinds

Arlington Works (The), (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Aluminum Container Corp. ("Aluminum"), Fulton, N. Y.
Ansonia Clock Co., 99 John, New York
Benedict Mfg. Co., East Syracuse, N. Y.
Celluloid Co., 36 Washington pl, New York
Chelsea Clock Co. (8 Day), 16 State, Boston, Mass.
Costmeter Co., 295 Franklin, Boston, Mass.
Durfee Walter H. & Co. (Tubular Chime), 151 Pond, Providence, R. I.
Eco Clock Co. (Electric & Portable Watchman's), 197 Congress, Boston, Mass.
Gilbert W. L. Clock Co. (And Regulators), Winsted, Conn.
Gillette Elec. Street Clock Co., 728 Buckingham av, Chicago, Ill.
Hanson Mfg. Co. (School), Princeton, Ind.
**HOWARD E. CLOCK CO.,** Bromfield & Washington, Boston, Mass.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Ingraham E. Co., Bristol, Conn.
Ithaca Calendar Clock Co. (Calendar, etc), Ithaca, N. Y.
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Magneta Co., 37 E. 28th, New York
National Clock & Mfg. Co., 20 W Lake, Chicago, Ill.
New Haven Clock Co., New Haven, Conn.
Parker Clock Co., Meriden, Conn.
Phelps H. D., Ansonia, Conn.
Pioneer Corp., 1249 W 63d, Chicago, Ill.
Self-Winding Clock Co., 163 Grand av., Brooklyn, N. Y.
Sessions Clock Co. (Mantel, Hanging, Regulators, etc), Forrestville, Conn.
Sohm Electric Co. ("Sohm"), 841 Blue Island av, Chicago, Ill.
Standard Electric Time Co. ("Standard," Electric), Springfield, Mass.
Thomas Seth Clock Co., 19 W 44th, New York. Works: Thomaston, Conn.
Waltham Watch Co., Waltham Clock dept., Waltham, Mass.
Waterbury Clock Co., Waterbury, Conn.
Western Clock Co. (Alarm, etc; also Boy Proof Watches), La Salle, Ill.

## 2720— Clock Trimmings

Gilbert W. L. Clock Co., Winsted, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Waterbury Clock Co., Waterbury, Conn.

## Clock Works

See Movements, Clock, etc

## 2721— Clocks (Alarm)

Borgfeldt Geo. & Co. (Imported), 16th & Irving pl, New York
**DARCHE MFG. CO.** ("Darche" Electric Searchlight, Night Light, Call & Alarms), 643 Washington blvd, Chicago, Ill.
Gilbert W. L. Clock Co. ("Surprise," "Empire," "Best," "G. Whiz," "The Gilbert"), Winsted, Conn.
Ingraham E. Co. ("Indian" with the Bell inside), Bristol, Conn.
New Haven Clock Co. ("Tattoo"), New Haven, Conn.
Parker Clock Co. ("Mammoth"), Meriden, Conn.
Sessions Clock Co., Forestville, Conn.
Strauss Bros. & Co. (Imp.), 355 B'way, New York
Sussfeld, Lorsch & Co. (Imp.), 90 Maiden la., New York
Thomas Seth Clock Co., 19 W 44th, New York
Thomas Seth Clock Co., Thomaston, Conn.
Western Clock Co. ("America," "Big Ben," "Iron Clad," "Lookout," "Bingo") La Salle, Ill.
Yankee Wizard Clock Co., 18 B'way, New York

## 2722—*Clocks (Angelus Strikers, Quarter & Half Hour Strikers)

**HOWARD E. CLOCK CO.,** Bromfield & Washington, Boston, Mass.
*See adv index at end of book*

## Clocks (Automobile)

See Clocks & Watches Dashboard

## 2722a1—Clocks (Boudoir & Desk)

New Haven Clock Co., New Haven, Conn.

## 2722a— Clocks (Chime)

**American Chime Clock Co., 1665 Ruffner,** Phila., Pa.
American Cuckoo Clock Co., 1665 Ruffner, Wayne Junction, Phila., Pa.
**Ansonia Clock Co., 99 John, New York**
Gillette Elec. Street Clock Co., 728 Buckingham pl, Chicago, Ill.
**HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.**
*See adv index at end of book*
Kuehl Clock Co., 125 N Wabash av, Chicago, Ill.
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Thomas Seth Clock Co., 19 W 44th, New York. Works: Thomaston, Conn.

## 2723—Clocks (Cost Keeping Systems)

Automatic Time Stamp Co. ("Duragraph" Elapsed Time Recorder), 159 Congress, Boston, Mass.
**Costmeter Co., 295 Franklin, Boston, Mass.**

## 2724— Clocks (Cuckoo)

American Cuckoo Clock Co., 1665 Ruffner, **Wayne Junction, Phila., Pa.**
Costmeter Co., 295 Franklin, Boston, Mass.
**Sussfeld, Lorsch & Co. (Imp.), 90 Maiden la, New York**

## 2725— Clocks (Differential)

**Differential Clock Co. (Will Run One Year With One Winding), 209 S State, Chicago, Ill.**

## 2726— Clocks (Electric)

American Watchman's Clock Co., 150 Nassau, New York
**American Watchman's Time Detector Co.,** 3403 Perkins av, Cleveland, O.
Blodgett Clock Co., 261 Franklin, Boston, Mass.
**Bogart A. L. Co., 55 Barclay, New York**
Cleveland Magneto Watchman's Clock Co., 150 Nassau, New York
**DARCHE MFG. CO.,** 643 Washington blvd, Chicago, Ill.
**Electric Time & Mfg. Co. ("Moore"), West Lafayette, Ind.**
Gillette Elec. Street Clock Co., 728 Buckingham pl, Chicago, Ill.
Hoggson S. H. & Co., 27 Thames, New York
**HOWARD E. CLOCK CO.** (Secondary), Bromfield & Washington, Boston, Mass. *See adv index at end of book*
Imhauser E. Co. (Watchman's), 212 B'way, New York. *See adv index at end of book*
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Magneta Co., 37 E. 28th, New York
**PETTES & RANDALL CO.,** 150 Nassau, New York
Self-Winding Clock Co. (Master & Secondary), 163 Grand av, Brooklyn, N. Y.
Sohm Electric Co. ("Sohm" Keyless Street etc.), 841 Blue Island av, Chicago, Ill.
Standard Electric Time Co. ("Standard" Time System), Springfield, Mass.
Thomas Seth Clock Co., Thomaston, Conn.
Waverly Novelty Co., Bessemer bldg, Pittsburgh, Pa.

## 2727— Clocks (Electric Alarm)

Darche Mfg. Co., 643 Washington blvd, Chicago, Ill.
Jansen F. W. Clock Co. ("Nite-Lite"), 217 W. Randolph, Chicago, Ill.
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Manhattan Electrical Supply Co., 17 Park pl, New York *See adv index at end of book*
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
**United Electric Apparatus Co., 1529 Columbus av, Boston, Mass.**

## 2728— Clocks (English Hall)

**American Cuckoo Clock Co., 1665 Ruffner, Wayne Junc., Phila., Pa.**
**Colonial Mfg. Co., Zeeland, Mich.**
**Durfee Walter H. & Co. (Tubular Chime),** 151 Pond, Providence, R. I.
**Gilbert W. L. Clock Co., Winsted, Conn.**
**Grand Rapids Clock & Mantel Co. (Also Clock Cases, etc.), Grand Rapids, Mich.**
**Harris & Harrington ("J. J. Elliott" Imported English),** 29 Park pl, New York
Hershede Hall Clock Co., McMillan & Essex pl, Cincinnati, O.
**HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.**
*See adv index at end of book*
**Ithaca Calendar Clock Co., Ithaca, N. Y.**
Landis Engng. & Mfg. Co., Waynesboro, Pa.
**Sessions Clock Co., Forestville, Conn.**
**Sussfeld, Lorsch & Co. (Imp.), 90 Maiden la, New York**
Thomas Seth Clock Co., Thomaston, Conn.
**Waltham Watch Co., Waltham Clock dept.** (Striking or Chiming on Gongs, Bells or Tubes), Waltham, Mass.

## 2729—Clocks (Hank or Pick)

**Mossberg Frank Co., Attleboro, Mass.**

## 2730 — Clocks (Laboratory)

Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.

## 2730a—Clocks (Lace Measuring)

**Firsching Jno. A., Utica, N. Y.**

## 2731— Clocks (Locomotive)

**American Steam Gauge & Valve Mfg. Co.,** 208 Camden, Boston, Mass.
**Ashcroft Mfg. Co., 119 W 40th, New York**
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.**
*See adv index at end of book*
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & So 5th, Brooklyn, N. Y.
*See adv index at end of book*
Thomas Seth Clock Co., 19 W 44th, New York. Works: Thomston, Conn.

## 2732— Clocks (Marine)

**American Steam Gauge & Valve Mfg. Co.,** 208 Camden, Boston, Mass.
**Ansonia Mfg. Co., 71 8th av, New York**
**Ashcroft Mfg. Co., 119 W 40th, New York**
Betts & Betts Corp. ("Elektrik Klok"), 2513 W 42d, New York
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Gilbert William L. Clock Co., **Winsted,** Conn.
**HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.**
*See adv index at end of book*
**McNAB CO.** ("McNab" Ships, Bell & Non-Striking), Bridgeport, Conn.
*See adv index at end of book*
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
**National Gauge Co. ("National"), 800** Pacific Brooklyn, N. Y.
Phelps H. D., Ansonia, Conn.
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & So 5th, Brooklyn, N. Y.
*See adv index at end of book*
**Sessions Clock Co., Forestville, Conn.**
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Thomas Seth Clock Co., 19 W 44th, New York. Works: Thomaston, Conn.
U. S. Gauge Co., 67 Wall, New York
**Waterbury Clock Co., Waterbury, Conn.**

## 2733— Clocks (Pneumatic)

Time Systems Co. ("Hahl"), 870 Woodward av, Detroit, Mich.

## Clocks (Program)

**See Clocks, Self-Winding & Program, Electric**

## 2734—Clocks (Secondary Electric)

**HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.**
*See adv index at end of book*
Sohm Electric Co. ("Sohm" System), 141 **W Austin av, Chicago, Ill.**
Standard Electric Time Co. ("Standard"), Springfield, Mass.

## 2735—Clocks (Self-Winding & Program Electric)

Blodgett Clock Co., 261 Franklin, Boston, Mass.
**Columbia School Supply Co., Indianapolis, Ind.**
Gillette Elec. Street Clock Co. (Self Winding Only), 728 Buckingham, E Chicago, Ill.
**HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.**
*See adv index at end of book*
Imperial Elec. Clock Co., St. Louis, Mo.
International Time Recording Co., Endicott, N. Y.
King Lock Co., 319 W Ohio, Chicago, Ill.
Landis Engng. & Mfg. Co. **("Frick"),** Waynesboro, Pa.
Lockwood & Almquist, 112 E 19th, New York
Magneta Co., 37 E 28th, New York
**Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.**
Sohm Electric Co. ("Sohm"), 841 Blue Island av, Chicago, Ill.
Standard Electric Time Co. ("Standard"), Springfield, Mass.
**Stromberg Electric Co., 606 S Michigan av,** Chicago, Ill.
**Thomas Seth Clock Co., Thomaston, Conn.**
Tiffany Elec. Mfg. Co., Ellicott sq, Buffalo, N. Y.
Tiffany Never-Wind Clock Corp. ("Tiffany Never-Wind") 2964 Main, Buffalo, N. Y.
Walker Bros. & Haviland (Elec. Equipment), 112 S 16th, Phila., Pa.

## 2736—Clocks (Synchronized Systems)

American Watchman's Clock Co., 150 Nassau, New York
Cleveland Magneto Watchman's Clock Co., 150 Nassau, New York
**HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.**
*See adv index at end of book*
Landis Engng. & Mfg. Co., Waynesboro, Pa.
Magneta Co., 37 E 28th, New York
**PETTES & RANDALL CO.,** 150 Nassau, New York
**Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.**
Standard Electric Time Co. ("Standard"), Springfield, Mass.
**Yaxley Mfg. Co. ("Monarch"), 1101 W Monroe, Chicago, Ill.**

## 2737—Clocks (Time-Recording System)

See also Time Recorders

Automatic Time Stamp Co., 159 Congress, Boston, Mass.
Bundy W. H. Recording Co., 135 5th av, New York
Cincinnati Time Recorder Co., 1733 Central av, Cincinnati, O.
Costmeter Co., 295 Franklin, Boston, Mass.
**HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.**
*See adv index at end of book*
International Time Recording Co. of New York ("Rochester," "Dey"), Endicott, N. Y.
Simplex Time Recorder Co. ("Simplex"), Gardner, Mass.
**Stromberg Electric Co., 606 S Michigan av,** Chicago, Ill.
**Yaxley Mfg. Co. ("Monarch"), 1101 W Monroe, Chicago, Ill.**

## 2738— Clocks (Tower)

**HOWARD E. CLOCK CO. (Angelus Strikers & Quarter & Half-Hour Strikers), Bromfield & Wash'n, Boston, Mass.**
*See adv index at end of book*
**Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.**
Sohm Electric Co. ("Sohm"), 841 Blue Island av, Chicago, Ill.
Standard Electric Time Co. ("Standard." Electric), Springfield, Mass.
Thomas Seth Clock Co., 19 W 44th, New York. Works: Thomaston, Conn

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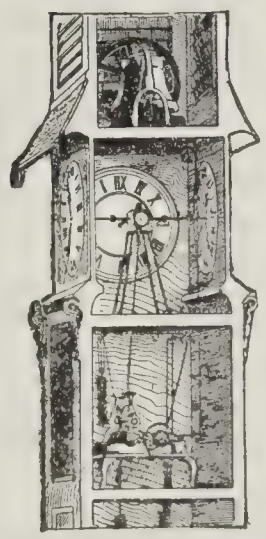

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Washington—L. WARNER, 914 Massachusetts Ave., N. W.


## 2739— Clocks (Watchman's)

See also Time Recorders

American Watchman's Clock Co. (Time Detectors, also Employees Clocks), 150 Nassau, New York
American Watchman's Time Detector Co. ("Cleveland," Magneto American Watchman's Time Detector), 3403 Perkins av, Cleveland, O.
Bundy W. H. Recording Co. ("Simplex"), 135 5th av, New York
Chicago Watchman's Clock Works, 1526 S Wabash av, Chicago, Ill.
Cleveland Magneto Watchman's Clock Co. (Time Detectors, also Employees Clocks), 150 Nassau, New York
Daugherty A. E., Penn bldg, Pittsburgh, Pa.
Eco Clock Co. (Electric & Portable), 197 Congress, Boston, Mass.
Edwards & Co., Exterior & 140th, New York
**HARDINGE BROS.** (Portable only), 4203 Ravenswood av, Chicago, Ill.
*See adv index at end of book*
Hausburg E. O. (Stationary, Portable & Electric. Send for Descriptive Catalogue), 45 Maiden la, New York
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Hoppe Paul F. Co., 123 Liberty, New York
**HOWARD E. CLOCK CO.** (Electric), Bromfield & Wash'n, Boston, Mass.
*See adv index at end of book*
**IMHAUSER E. CO.** (Portable & Electric), 212 B'way, New York
*See adv index at end of book*


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Landis Engng. & Mfg. Co., Waynesboro, Pa.
Nanz Clock Co. ("Hahn," "Nanz Imperial"), 178 Fulton, New York
Newman Clock Co. (Stationary, Portable & Electric), 565 Wash. blvd, Chicago, Ill.
**PETTES & RANDALL CO.** (Time Detectors, also Employees Clocks), 150 Nassau, New York
Riggs & Bro. (Electric & Portable), 310 Market, Phila., Pa.
**SAFETY FIRE EXTINGUISHER CO.** 295 7th av, New York
*See adv index at end of book*
Sanford Chas. E. (Night Watchman's Register), 18 B'way, New York

## 2740— Clocks (Watchman's Portable)

**HARDINGE BROS.** (Mfrs.), 4203 Ravenswood av, Chicago, Ill.
*See adv index at end of book*
Rowe A. C., 78-80 Reade, New York
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
Thomas F. A. Co., Wells Fargo, bldg, San Francisco, Cal.

## 2741—Clocks & Watches' (Dashboard)

Chelsea Clock Co., 16 State, Boston, Mass.
Keyless Auto Clock Co., 246 W 59th, New York
Post & Lester Co. ("Regal"), Hartford, Conn.
Sessions Clock Co., Forestville, Conn.
Thomas Seth Clock Co., Thomaston, Conn.
Thompson Elec. Clock Co., Memphis, Tenn.
Waterbury Clock Co., Waterbury, Conn.
Waverly Novelty Co., Bessemer bldg, Pittsburgh, Pa.

## 2742— Clogs

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Buffalo Last Works, 4 Lock, Buffalo, N. Y.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## Closet Seat Bumpers

See Rubber Bumpers

## 2743— Closets (Chemical)

Automatic Chemical Closet Co. ("Auto-Kemclo," Vitreous China), 1417 Wash. av N, Minneapolis, Minn.
Comfort Chemical Closet Co., 342 Factories bldg, Toledo, O.
Dall Steel Products Co., Lansing, Mich.
Kawnear Cabinet Co., 1716 Wabash av, Kansas City, Mo.
Sanitary Chemical Closet Co., Hillsdale, Mich.
Shafer Mfg. Co., 445 Colton bldg, Toledo, Ohio
Smith System Heating Co., 821 Washington av, S E, Minneapolis, Minn.
Rowe Sanitary Mfg. Co., 210 6th av, Detroit, Mich.
United Engine Co., Lansing, Mich.

## 2743a— *Closets (Dry)

Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*

## 2744— Closets (Dry Earth)

American Warming & Ventilating Co. ("American Cremating"), Elmira, N. Y.
Fuller & Warren Co., Troy, N. Y.
Kaustine Co., Buffalo, N. Y.
MaGirl P. H. ("Mammoth"), Bloomington, Ill.
Standard Mfg. Co., 439 Water, Pittsburgh, Pa.
Stephenson C. H. ("Stephenson" Portable Underground), Lynn, Mass.
Universal Sanitary Mfg. Co., New Castle, Pa.

## Cloth (Asbestos)

See Asbestos Material

## 2744a— Cloth (Automobile)

Barrell Wm. L. Co., 8 Thomas, New York
Duncan W. H. Co., Inc., 70 Worth, New York
Fitchburg Duck Mills, Fitchburg, Mass.
Glenside Woolen Mills (Cotton & Woolen), Skaneateles Falls, N. Y.
Narragansett Mills, 239 4th av, New York

## 2744b— Cloth (Balloon)

Goodyear Tire & Rubber Co., Akron, O.

## 2745— Cloth (Billiard Table)

Saxton Woolen Co. (Woolen), Norwich, Conn.
Spinks Wm. A. & Co., 362 W Erie, Chicago, Ill. *See adv index at end of book*

## 2745a— *Cloth (Blue Print)

Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*

## 2746— Cloth (Bolting)

See also Wire Cloth

**ABBE ENGINEERING CO.** (Swiss Silk), 216-224 B'way, New York
*See adv index at end of book*
Abbe Paul O. (Imp), 30 Broad, New York
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**BEACH-RUSS CO.** (Silk Swiss), 216-224 B'way, New York
*See adv index at end of book*
Buffalo Weaving & Belting Co. (Webs), Buffalo, N. Y.
Buffalo Wire Works Co. (Wire), 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Cornelius Mill Furnishing Co. ("Bodmer" & "Schindler" Silk, Imported), 119 N 6th, St. Louis, Mo.
Estey Wire Works Co. (Wire), 34 Cliff, New York
Gump B. F. Co. (Silk), 431 S Clinton, Chicago, Ill.
Hammond-Homberger Co. ("Excelsior Anchor"), Silver Creek, N. Y.
Holmes & Blanchard Co. ("Imperial" Silk), 31 State, Boston, Mass.
Howard & Morse (Wire), 45 Fulton, New York
Howe R. J. ("Wydler"), 320 B'way, New York
Kress & Co., 29-33 Lafayette, New York
Latimer R. L. & Co. ("Anchor Brand"), 24 N Front, Phila., Pa.
**MICHIGAN WIRE CLOTH CO.**, 500 Howard, Detroit, Mich.
*See adv index at end of book*
Multi-Metal Co. ("Multi-Metal"), 251 W 19th, New York
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
*See adv index at end of book*
Nordyke & Marmon Co. (Silk & Wire), Kentucky av & Morris, Indianapolis, Ind.
Sprout, Waldron & Co. (Silk & Wire), Muncy, Pa.
**TOBLER & CO., INC.** ("Dufour" Silk, Imported), 35 S William, New York
Traber A. P. (Imp. "Wydler"), 71 Murray, New York
**TYLER W. S. CO.** (Wire), Cleveland, O.
*See adv index at end of book*

## 2747— Cloth (Book)

Bancroft Jos & Sons Co., Wilmington, Del.
Holliston Book Cloths, 2 W 13th, New York
Interlaken Mills, Turks Head bldg, Providence, R. I.
Irving Mfg. Co. (Buckram), 23 Jersey, New Brighton, S. I., N. Y.
Richter Mfg. Co. (Buckram), Tenafly, N. J.
Thompson Jas. & Co. (Buckram), 113 Prince, New York

## 2748— Cloth (Brattice)

**Childs H. L. & Co. (Importers), 249** Water, Pittsburgh, Pa.
Colonial Supply Co. (Jobbers), 441 1st av, Pittsburgh, Pa.
*See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Fulton Bag & Cotton Mills ("F-F-F-F" Non-Inflammable Jute), Atlanta, Ga.
Goodin Reid & Co. (Converters), 4th & Main, Cincinnati, O.
Hettrick Mfg. Co., Toledo, O.
Irving Mfg. & Tool Co., 157 Chambers, New York
Johnston - Morehouse - Dickey Co. ("J. M. D." Non-Inflammable Jute), 106 Market, Pittsburgh, Pa.
Kern Commercial Co. (Waterproof, Non-Inflammable), 114 Liberty, New York
Mikesell Bros. Co. (Non-Inflammable, Moisture-Proof Jute & Duck), 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
Turner C. A., 3d & Chauncery, Pittsburgh, Pa.
**TURNER LAURIN H. & CO.** (Non-Inflammable Duck), 226 W Adams, Chicago, Ill.
Upson-Walton Co. of N. Y., The (Imp.) 1294 W 11th, Cleveland, O.

## 2748a—*Cloth (Brown Process)

Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*

## Cloth (Camel's Hair)

See Cloths, Press

## 2749— Cloth (Casket)

Fulton Bag & Cotton Mills, Atlanta, Ga.
Glenside Woolen Mills, Skaneateles Falls, N. Y.
Neponset Woolen Mills, Canton Junction Mass.

## 2749a— Cloth (Cement)

**CLEVELAND WIRE CLOTH & MFG. CO. (THE),** 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Fulton Bag & Cotton Mills, Atlanta, Ga.

## 2750— Cloth (Cheese)

American Cotton Mills Co., 353 Broadway, New York
Fulton Bag & Cotton Mills, Atlanta, Ga.
Griswoldville Mfg. Co., Griswoldville, Mass.

## 2751—Cloth (Clearer & Roller)

American Felt Co., 100 Summer, Boston, Mass.
Noone's Jos. Sons Co., Peterboro, N. H.

## Cloth (Emery, Flint & Garnet)

See Paper, Flint, Sand & Emery

## 2751a— Cloth (Filter)

See also Cloths, Filter

Albany Felt Co., Albany, N. Y.
Angel H. Reeve & Co., Inc., 7 Spruce, New York
Boyle John & Co., 112 Duane, New York
Brighton Mills, Passaic, N. J.
Danubil Co., Inc. (Asbestos), Postal Telegraph bldg, New York
Dominion Asbestos & Rubber Corp. (Asbestos), 154 Nassau, New York
*See adv index at end of book*
Estey Bros. Co. (Metal), 270 Union av., Brooklyn *See adv index at end of book*
House Chas. W. & Sons, Unionville, Conn.
Johnson John Co., 37th & 2nd av, Brooklyn, N. Y.
Johns H. W.-Manville Co. (Asbestos), 41st & Madison av, New York
Multi Metal Co., 251 W. 19th, New York
National Filter Cloth & Weaving Co., 57 Hope, Brooklyn, N. Y.
Newark Wire Cloth Co., 222-230 Verona av, Newark, N. J.
*See adv index at end of book*
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal., 299 Madison av, New York.
Provost Engineering Corp. (Cotton, Linen, Wool), 220 B'way, New York
*See adv index at end of book*
Shriver T. & Co., Harrison, N. J.
Sperry D. R. & Co., Batavia, Ill.
**STANLEY W. WM.,** 50 Church, New York
Supplee-Biddle Hardware Co. (Metallic), 510 Commerce, Phila., Pa.
Turner Halsey Co., 62 Leonard, New York
Tyler W. S. Co. (Metallic), Cleveland, O.
*See adv index at end of book*
Wickwire Spencer Steel Corp. (Metallic), Worcester, Mass.
*See adv index at end of book*

## 2752— Cloth (Gummed)

Nashua Gummed & Coated Paper Co., Nashua, N. H.
Peters Co., 33 35th, Brooklyn, N. Y.
Thomas Stationery Mfg. Co., Springfield, O.

## 2753— Cloth (Insulating)

See also Mica; also other Insulating Specialties

American Mica Co. ("Puritan"), Newton Lower Falls, Mass.
Chicago Mica Co. ("Champion"), Valparaiso, Ind.
**Dunton M. W. Co. ("Gibralter"), 150 Niagara, Providence, R. I.**
Irvington Varnish & Insulator Co., Irvington, N. J.
Meirowsky Bros. (Also Silk), Jersey City, N. J.
Mica Insulator Co. ("Empire," "Kablak"), 68 Church, New York
Mica Mfg. Co. ("Micasmiths"), 135 Johnson, Brooklyn, N. Y.
Pittsburgh Insulating Co. (Linen), 96 43d, Pittsburgh, Pa.
**Schenectady Linonite Co., Schenectady,** N. Y.
Standard Underground Cable Co., Westinghouse bldg), Pittsburgh, Pa.
Standard Woven Fabric Co, Walpole, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 2753a— Cloth (Leather)

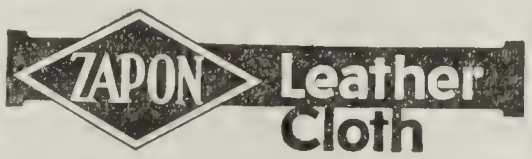
See also Leather, Artificial

**ZAPON LEATHER CLOTH CO.** (Formerly Boston Artificial Leather Co.), 200 5th av, New York
*See adv index at end of book*


Appearances count for Zapon.

Zapon cuts to advantage and sews readily. It does not crack or peel, retains its beauty, is strong, durable, waterproof, and conforms to all shapes. Ask for samples.

ZAPON LEATHER CLOTH CO.
200 FIFTH AVE., NEW YORK, N. Y.





## 2753b— Cloth (Metal Filter)

**NEWARK WIRE CLOTH CO.,** 223 Verona av, Newark, N. J.
*See adv index at end of book*
Supple-Biddle Hardware Co., 510 Commerce, Phila., Pa.
*See adv index at end of book*

## 2754— Cloth (Rubber Coated)

Aronoff Joseph J. (Auto Top), Trenton, N. J.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Chase L. C. & Co. ("Dreadnout" & "Wexford" Motor Topping), 89 Franklin, Boston, Mass.
Chicago Rubber Clothing Co. (Piece Goods), Racine, Wis.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Duratex Co. ("Duratop"), 760 Frelinghuysen, Newark, N. J.
Hodgman Rubber Co., 8 W 40th, New York
Mutty L. J. Co. (Numotor), 175 Congress, Boston, Mass.
O'Bannon Corp., 200 5th av., New York
Plymouth Rubber Co., Canton, Mass.
Pocono Rubber Cloth Co., Trenton, N. J.
Rosenwald & Weil ("Imperial"), 1514 W Kinzie, Chicago, Ill.

## 2755— Cloth (Umbrella)

Ashland Cotton Co. (Cotton), Jewett City, Conn.
Clifton Textile Co. (Silk), Union Hill, N. J
Dundee Textile Co., Passaic, N. J.
Fashion Silk Mfg. Co., Paterson, N. J.
Haenichen Bros. Silk Co., Paterson, N. J.
Lock Haven Silk Co. (Lock Haven, Pa.
Muller Gloria Mills (Silk), Norwalk, Conn.
Newburgh Silk Co., Newburgh, N. Y.
Pennsylvania Silk Co., Bangor, Pa.
Pollock Brush Co., 25-27 N 4th, Easton, Pa.
Roessel Louis & Co. (Silk), 440 4th av, New York

## 2755a-*Cloth-Wire (Centrifugal)

Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
*See adv index at end of book*

## 2755b— *Clothes Brushes

See also Brushes—Hat, Clothes & Hair

Schimper, Wm. & Co., 322-338 Ferry, Hoboken & 33 Union sq, W New York
*See adv index at end of book*

## 2756—Clothes Dryers (Hot Air, Steam, Etc.)

Adams Laundry Machinery Co., Troy, N. Y.
Am. Clothes Dryer Co., 224 W 26th, New York
American Wringer Co., 99 Chambers, New York.
Chicago Dryer Co., 630 S Wabash av, Chicago, Ill.
Domestic Laundry Equipment Corp. ("Chicago," "American"), 224 W. 26th, New York
Hawkins Rollyn, Indianapolis, Ind.
Hill-Canton Dryer Co., Canton, O.
Hill Clothes Dryer Co. ("Hill-Canton" Cabinet), Worcester, Mass.
Mannen John E. Co. ("Manest"), 2247 St. Clair, Cleveland, O.
Miller Wm. Range & Furnace Co., 125 E 5th, Cincinnati, O.
Tolhurst Machine Works, Troy, N. Y.
Troy Laundry Machinery Co., Ltd., 23d & La Salle, Chicago, Ill.
Williamson Heater Co. ("Favorite"), 339 W 5th, Cincinnati, O.

## 2757—Clothes Dryers (Lawn, Balcony, Etc.)

See also Bars, Clothes

Albion Wood & Metal Products Co., Inc. ("Foldrier" Folding Wall Cabinet). Albion, N. Y.
Chicago Dryer Co. ("Chicago," "Chicago Laundry," "Chicago Francis," "Chicago Rapido," "Sun" Clothes Drying Cabinets with Trucks), 630 S Wabash av, Chicago, Ill.
Cooper & McKee, 119 Lorimer, Brooklyn, N. Y.
Corbett & Co., 429 E 109th, New York.
Domestic Laundry Equipment Corp., 224 W 26th, New York
Eclipse Co. ("Eureka" Roller Bearing, "Eclipse" Folding Wall), North Girard, Pa.
Fleck M., 338 E 128th, New York
Hill Clothes Dryer Co. ("Hill"), Worcester, Mass.
Kalamazoo Specialty Co., Kalamazoo, Mich.
Moulton C. W. H. Co. (Folding, etc), Somerville, Mass.

CLOTHES DRYERS (LAWN, BALCONY, ETC.)—continued

Munnsville Plow Co. ("Munnsville Best"), Munnsville, N. Y.
Olmsted A. E. ("American"), Orwell, N. Y.
Overhead Kitchen Clothes Dryer Co., 471 W. 145th, New York
Penn Mfg. Co., North Girard, Pa.
Portland Extension Ladder & Pole Co. (Lawn), 130 Orange, Newark, N. J.
Seed Filter & Mfg. Co. ("Out-of-Sight," "Royal" Elevating), 73 Franklin, New York
Standard Clothes Dryer Co. (Revolving), Worcester, Mass.
Steinfeld Bros. (Bars, Arm & Wall), 116 W 22d, New York
Success Mfg. Co. (Yard or Lawn, "Success"), Gloucester, Mass.
Victor Dryer Co. ("Victor"), Worcester, Mass.

## Clothes Drying Frames

See Clothes Dryers, Lawn, Balcony, etc

## 2757a— Clothes (Dustless Dust)

Tate E. H. Mop & Cordage Co. ("Best Quality"), 15 Chardon, Boston, Mass.
U. S. Mop Co., Toledo, Ohio.

## 2758-9— Clothes Lines

See also Rope, Cotton, etc

American Mfg. Co. (Jute), Noble & West, Brooklyn, N. Y.
Atlantic Tubing Co., 1756 Cranston, Providence, R. I.
Beebe Cordage Co., Rockaway, N. J.
Cleveland Mill & Power Co. (Cotton), Lawndale, N. C.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Dale Margaret, Arlington Mass.
Estes Mills ("Granite," "Bristol," "Export," "Bargain," "Business," "Merchant," "Eureka," "Winner," "Niagara," "J. H. E." & "Markdown"), Fall River, Mass.
Fricke J. E. Co. (Cotton), 247 Market, Phila., Pa.
Goss Bros. (Cotton), Fall River, Mass.
Holden James (Cotton), Fall River, Mass.
Hooven & Allison Co., Xenia, O.
Howard Dustless Duster Co., 290 Franklin, Boston, Mass.
January & Wood Co., Maysville, Ky.
Mallison Braided Cord Co. (Cotton), Athens, Ga.
Puritan Cordage Mills (Cotton), Louisville, Ky.
St. Louis Cordage Mills, 1715 S 11th, St. Louis, Mo.
Samson Cordage Works, 88 Broad, Boston, Mass.
Sanderson L. M. (Cotton), Haydenville, Mass.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Silver Lake Co., Newtonville, Mass.
Small Bros., Fall River, Mass.
Southern Mills Corp. (Cotton), Oxford, Ala.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
Toohey M. J. & Co. (Cotton), Full River, Mass.
Tribble A. L. Co. (Cotton), 59 Temple, pl, Boston, Mass.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
Turner & Stanton Co., Norwich, Conn.

## 2760— Clothes Lines (Wire)

**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Hollow Cable Mfg. Co. (Galvanized), Hornell, N. Y.
Malin & Co., 2514 Vestry av, Cleveland, O.
Parker Wire Goods Co. (Rust Proof), Worcester, Mass.
Wickwire Spencer Steel Corp. ("Excelsior" Brand Reinforced Hollow Cable; also Plain & Twisted Wire), Worcester, Mass. *See adv index at end of book*

## 2760a— Clothespins

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 2761—Clothes Reel Centers (Iron)

Adams Co., Dubuque, Ia.
Indiana Foundry Co., Indiana, Pa.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
Swett A. L. Iron Works, Medina, N. Y.

## 2762— Clothing (Oiled)

Carter J. F. Co., Beverly, Mass.
Corliss C. R. & Son, Gloucester, Mass.
Franklin Rubber Co., 134 Federal, Boston, Mass.
Gloucester Oiled Clothing Co., Gloucester, Mass.
Goodyear Rubber Co. ("Indian," "Gold Seal," "Hippo"), 539 Mission, San Francisco, Cal.
*See adv index at end of book*
Nelson J. M., Gloucester, Mass.
Nickerson Levi Co., Gloucester, Mass.
Sawyer H. M. & Son ("Excelsior"), Cambridge, Mass.
Schwartz & Berstein, Gloucester, Mass.
Standard Oiled Clothing Co., 152d & Union av, New York
Tower A. J. Co. (Fish Brand), 18 Simmons, Boston, Mass.

## 2763— Clothing (Rubber)

American Rubber Co., 130 Essex, Boston, Mass.
Chicago Rubber Clothing Co., Racine, Wis.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Franklin Rubber Co., 134 Federal, Boston, Mass.
Goodyear Tire & Rubber Co., Akron, O.
Hodgman Rubber Co., 8 W 40th, New York

## 2764— Cloths (Copying)

Adams Mfg. Co., 86 E. Plumsted, Phila., Pa.
Eureka Blotter Bath Co. ("Eureka," Sanitary), 6221 Wentworth av, Chicago, Ill.

## 2765— Cloths (Dustless Dust)

Cedar-Sweep Co. ("C. S. C."), Los Angeles, Cal.
Dearborn Duster Co. ("Rublite"), 550 W Harrison, Chicago, Ill.
Dunlap Mfg. Co. ("Oil of Gladness"), Bloomington, Ill.
Gem Supply Co. ("Mysterious"), Waterbury, Conn.
Hanson F. C. ("Absorbit"), Southbridge, Mass.
Hoag Duster Co. ("Hoag"), Monticello, Ia.
Howard Dustless Duster Co. ("Howard Dustless Duster"), 290 Franklin, Boston, Mass.
Milton Chemical Co. ("B. B."), 156 Sixth, Cambridge, Mass.
Ohio Duster Co. ("Elite"), Cleveland, O.
Pioneer Mfg. Co. ("Shino"), Harvard av & E 103rd, Cleveland, O.
Reddick Lambs Wool Polisher & Products Co., Harrison bldg, Phila., Pa.
Ritzenthaler John, 73 Franklin, New York
Rochester Chemical Co., Rochester, N. Y.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
Universal Brush Co. ("Kleanwell," Faultless "De Lux" & "Midget" Yarn Hand), 181 Quincy, Chicago, Ill.
Wax Brush Co. ("Bwaxo"), 56 Sanford, Boston, Mass.
Weil-Ransom Co. ("Absorbo"), 816 Fulton, Chicago, Ill.

## 2766— Cloths (Filter)

Brighton Mills, Passaic, N. J.
Brooklyn Filter Bag Co. (Cotton), 643 Kent av, Brooklyn, N. Y.
Channon H. Co., 150 N Market, Chicago, Ill.
**COUCH MILLS CO.** (Press), Atlanta, Ga.
Dominion Asbestos & Rubber Corp. (Asbestos), 154 Nassau, New York
*See adv index at end of book*
Filter Fabrics Co. (A Special Cloth for Every Filtration Purpose), Salt Lake City, Utah
Hall W. & Co., Lansdowne, Pa.
Hettrick Mfg. Co., Toledo, O.
Hoegee, Wm. H. Co., Los Angeles, Cal.
Huyck, F. C. & Sons, Albany, N. Y.
**JOHNSON JOHN CO.**, 203 37th, Brooklyn, N. Y.
Lane J. H. & Co. (Jobbers), 334 4th av, New York
Milwaukee Bag Co., 206 S. Water, Milwaukee, Wis.
Mt. Vernon-Woodberry Mills, Inc., Cont. bldg, Baltimore, Md.
Multi-Metal Separating Screen Co., 251 W 19th, New York
National Filter & Cloth Weaving Co. (Cotton, Flax & Jute), 57 Hope, Brooklyn, N. Y.
National Sales Co. (Imp.), 31 E 13th, Cincinnati, O.
**NEWARK WIRE CLOTH CO.** (Metallic), 223 Verona av, Newark, N. J.
*See adv index at end of book*
Provost Engng. Corp., 220 B'way, New York
Stanley Wm. W. (Filter Duck & Filter Press Cloths for All Purposes), 50 Church, New York
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
Wilson Co., Greenville, S. C.

## 2767— Cloths (Polishing)

Fricke Adolf ("Fricke," "Chamoise," "Silvena" Silk Silver), 73 Franklin, New York
G. V. Sales Co. ("Omy" for Wood & Metal), 132 Nassau, New York
General Supply Corp., Dorcester, Mass.
Goepel C. F. & Co., 137 E 13th, New York
Landers Bros. Co. (Sanitary), Toledo, O.
Mill Remnants Co. ("Mireco"), 19 Bond, New York
North Jos. W. & Sons, Elizabeth, N. J.
Pioneer Mfg. Co. ("Shino"), Harvard av & E 103rd, Cleveland, O.
Ritzenthaler John ("Ritz"), 73 Franklin, New York
Saponol Chemical Co. ("Ol-Se-Co"), 1916 Park av, New York
Wood W. A. Co., 373 Atlantic av, Boston, Mass.

## 2768— Cloths (Press)

Acme Press Cloth Co. (Camel's Hair), Frankford, Phila., Pa.
American Press Cloth Co. (Woolen for Hydraulic Presses), Columbia, S. C.
Brighton Mills, Passaic, N. J.
Chelsea Fibre Mills, 212 5th av, New York
Fulton Bag & Cotton Mills ("Ironsides"), Atlanta, Ga.
Gary James S. & Son, Equitable bldg, Baltimore, Md.
Hettrick Mfg. Co., Toledo, O.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
Mishler Mfg. Co. (Cotton & Hemp), Smithville, O.
Mt. Vernon-Woodberry Mills, Inc., Cont. bldg, Baltimore, Md.
Perkins, J. T. Co., 669 Kent av, Brooklyn, N. Y.
Sheehan D. H. (Cotton & Camel's Hair), Westford, Mass.
Southern Press Cloth Mfg. Co., Augusta, Ga.
Sugden Press Bagging Co. (Camel's Hair), West Chelmsford, Mass.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Warren Mfg. Co. (Duck), Warren, Md.
Werk Robert & Co., 2519 St. Phillip, New Orleans, La.
Willingham Cotton Mills, Macon, Ga.

## 2768a— *Cloths (Strainers)

**NEWARK WIRE CLOTH CO.**, 223 Verona av, Newark, N. J.
*See adv index at end of book*

## 2769—Cloths (Wiping, Plumbers')

A. D. Mfg.. Co., 201 Piquette, Detroit, Mich.
American Supply Co. (Wholesale), 1407 Dayton, Chicago, Ill.
Glauber M. & Co., 103 Varick, New York
Merchants & Mfrs. Supply Co., Chelsea, Mass.
Michigan Sanitary Cloth Co., Kalamazoo, Mich.
Nye Tool & Machine Works ("Nye," Herringbone Ticking & English Moleskin), 108 N Jefferson, Chicago, Ill.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Sanitary Rag Co. ("White Star" Brand, "Red Star" Brand, Colored &"Chamois" Brand Cheese Cloth), Kalamazoo, Mich.
Starbuck R. M. & Sons, Hartford, Conn.

Wolverine Brass Works, Grand Rapids, Mich.
**Woodward-Wanger Co., 1106 Spring Garden, Phila., Pa.**

## 2770— Clubs (Golf)

Burke Golf Co., Newark, O.
Crawford, McGregor & Canby Co., Dayton, O.
Hillerich & Bradsby Co. ("H & B"), 725 S Preston, Louisville, Ky.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Spalding A. G. & Bros., 126 Nassau, New York
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Wright & Ditson, 344 Wash'n, Boston, Mass.

## 2771— *Clubs (Wooden)

Bogert & Hopper, Inc. (Policemen's), 57 Barclay, New York
*See adv index at end of book*
**ESTES E. B. & SONS** (Police Clubs, Indian Clubs, etc.), 364 5th av, New York
*See adv index at end of book*

## 2772— Clusters (Fixture)

(Ceiling or Wall Bracket Fixtures)
See also Electric & Gas Lighting Fixtures
American Brass & Copper Co., 138 Lafayette, New York
Benjamin Electric Mfg. Co. (Wireless, Car, Ceiling, Pendant, Weather-Proof, etc), 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Dale Lighting Fixture Co. ("Weeks"), 107 W 13th, New York
Dayton Mfg. Co., Dayton, O.
Faries Mfg. Co., Decatur, Ill.
Forg Peter Mfg. Co. (Electric), Somerville, Mass.
Frink I. P., Inc., 10th av & 24th, New York
Harter Mfg. Co., 524 S Clinton, Chicago,, Ill.
Hubbell Harvey (Inc.), Bridgeport, Conn.
Walsh-Owen Mfg. Co., 525 W 26th, New York
White Jas. H. Mfg. Co., 111 N 3rd, Brooklyn, N. Y.
White O. C. Co., Worcester, Mass.

## 2773—Clusters (Wireless Fixture)

**BENJAMIN ELECTRIC MFG. CO.,** 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Dale Lighting Fixture Co. ("Weeks"), 107 W 13th, New York
**Federal Electric Co., 640 W Lake, Chicago, Ill.**

## 2773a— *Clutch Discs

Bossert Corp., cor Linden & West av, Utica, New York
*See adv index at end of book*
Pettis W. W. Co., 416-417 First Nat Bank bldg, Cincinnati, O.
*See adv index at end of book*
Thermoid Rubber Co., Trenton, N. J.
*See adv index at end of book*

## 2773b— Clutch Facings

**BETTES & EBSEN,** 152 Chamber, New York *See adv index at end of book*
Cork Insert Co., 164 Federal, Boston, Mass.
Dominion Asbestos & Rubber Corp. ("Griptite"), 154 Nassau, New York.
*See adv index at end of book*
Horton F. L. Corp. ("Elektra"), 36 Whittier, Roxbury, Boston, Mass.
Kelso Mfg. Co., Trenton, N. J.
Standard Woven Fabric Co. ("Multibestos"), Walpole, Mass.
Thermoid Rubber Co., Trenton, N. J.
*See adv index at end of book*

## 2774— Clutches (Arc Lamp)

Paiste H. T. Co., 3201 Arch, Phila., Pa.
Phila. Electrical & Mfg. Co. ("Perfect"), **1236 N 31st, Phila., Pa.**
Western Electric Co., 500 S Clinton, Chicago, Ill., & 463 West, New York

## 2775— Clutches (Automobile)

Fuller & Sons Mfg. Co., Kalamazoo, Mich.
Hartford Auto Parts Co. (Cone), Hartford, Conn.
Hilliard Clutch & Machinery Co. ("Hilliard," Multiple Disk Dry Friction), Elmira, N. Y.
Hoosier Auto Parts Co. (Dry Disc), Muncie, Ind.
Konigslow Otto Mfg. Co. (Cone), 3506 Perkins av, Cleveland, O.
Mechanics Machine Co., Rockford, Ill.
**MERCHANT & EVANS CO.** ("M. & E." Dry Disc & "Hele-Shaw"), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Muncie Gear Wks., Muncie, Ind.
Reed Foundry & Machine Co. (Multiple Disc & Cone), Kalamazoo, Mich.
**Universal Machinery Co., 784 30th, Milwaukee, Wis.**
Wabash Gear Works (Multiple Disc & Cone), Terre Haute, Ind.
Warner Gear Co. (Multiple & Single Disc), Muncie, Ind.

## 2775a—*Clutches (Countershaft)

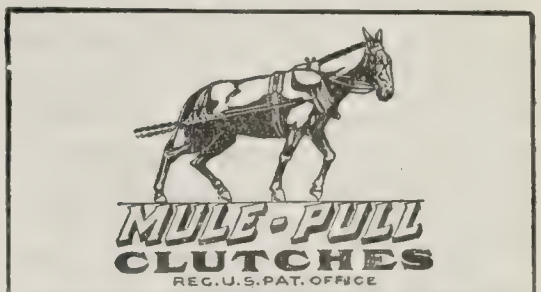
Bond Foundry & Machine Co., Lancaster Co., Manheim, Pa.
*See adv index at end of book*
**WESTLUND C. G. CO.** ("Star Safety" "Westlund Split"), 498 Millbury, Worcester, Mass.

## 2776— Clutches (Electric)

Brown-Lipe Gear Co. (Multiple Discs), Syracuse, N. Y.
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*

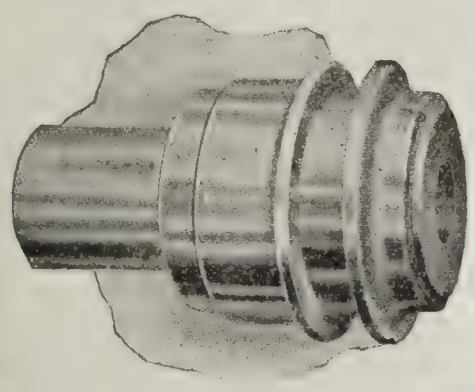
## 2777— Clutches (Friction)

See also Pulleys, Friction Clutch; also Machinery, Power Transmitting
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Tool & Machine Co. ("Hub" & "Worrall"), 10 High, Boston, Mass.
Bauroth Bros, Springfield, O.
Beloit Iron Works ("Bulldog"), Beloit, Wis.
**BOND FOUNDRY & MACHINE CO.,** Lancaster Co., Manheim, Pa.
*See adv index at end of book*
Brightman Machine Co., Quincy & C. & P. Ry, Cleveland, O.
Brown A. & F. Co., 79 Barclay, New York.
Brown Clutch Co., Sandusky, O.
Brown Engineering Co., 110 N. 3rd, Reading, Pa.
*See adv index at end of book*



Carruthers & Fithian Clutch Co., Grove City, Pa.
Cedar Rapids Foundry & Mach. Co., Cedar Rapids, Ia.
Chain Belt Co., Milwaukee, Wis.
Chicago Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.
Conway Co., 2507 Beckman, Cincinnati, O.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
**DODGE SALES & ENGINEERING CO. (Split & Solid), Mishawaka, Ind.**
Eastern Machinery Co. ("Frisbie"), New Haven, Conn.
Edgemont Machine Co. ("Edgemont"), Dayton, O.
Erie Clutch & Pulley Co., Erie, Pa.
Essmueller Mill Furnishing Co. ("Peerless"), 1222 S 8th, St. Louis, Mo.
Fairbanks, Morse & Co. ("Eclipse"), 900 **S Wabash av, Chicago, Ill.**
Falls Clutch & Machinery Co. ("Falls"), Cuyahoga Falls, O.
Farrel Foundry & Machine Co. (Coil), Ansonia, Conn.
Filer & Stowell Co., Milwaukee, Wis.
Fletcher Wks., Glenwood av, Phila., Pa.
Frost Mfg. Co. ("Frost"), Galesburg, Ill.
Gump B. F. Co., 431 S. Clinton, Chicago
**HANSON CLUTCH & MACHY. CO.** (Also Appliances), Tiffin, O.
*See adv index at end of book*
Hess-Snyder Co., Massillon, Ohio
**HILL CLUTCH CO.** ("Smith" Type, "Hill"), W. 65th, Cleveland, O.
**Hilliard Clutch & Machinery Co.** ("Hilliard" Friction Clutch & Cut-Off Couplings), Elmira, N. Y.
Holyoke Machine Co. ("Lombard"), Worcester, Mass.
Humphrey Machine Co., Keene, N. H.
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., N. Adams, Mass.
Johnson Carlyle Machine Co. ("Johnson"), Manchester, Conn.

# FRICTION CLUTCHES

*POWER TRANSMITTING MACHINERY*
*PULLEYS, SHAFTING, HANGERS, BEARINGS, COLLARS, COUPLING, JAW-CLUTCHES, FRICTION CLUTCHES, GEARS, ETC.*

THE HANSON CLUTCH AND MACHINERY COMPANY
TIFFIN, OHIO, U. S. A.
*ENGINEERS, FOUNDERS AND MACHINISTS*

CLUTCHES (FRICTION)—continued

Jones W. A. Foundry & Machine Co. ("Lemley"), 4401 W 12th, Chicago, Ill.
Lane G. W. & C. A., Exeter, N. H.
Lauson-Lawton Co., De Pere, Wis.
**LINK-BELT CO.** ("Ewart" & "Disk," "Twyncone"), 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
McMahon & Co., Worcester, Mass.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Meese & Gottfried Co., 660 Mission, San Francisco, Cal.
Mereen-Johnson Machine Co., 4400 Lyndalean, Minneapolis, Minn.
Miller Foundry & Specialty Co., No Tonawanda, N. Y.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Minster Machine Co., Minster, O.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
**MOORE-MASTER MFG. CO.**, 3445 N Westerman, Chicago, Ill.
*See adv index at end of book*
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Morgan Construction Co., Worcester, Mass.
O. K. Clutch & Machinery Co. ("O. K."), Columbia, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Passman Bros., 30 S Green, Chicago, Ill.
Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Sta., Baltimore, Md.
Production Machinery Co. ("Blerney"), Greenfield, Mass.
Pusey & Jones Co., Wilmington, Del
Pyott Co. ("Pyott-Miller" Steel Plate), 1401 W North av., Chicago, Ill.
Redin, Ekstrom & Co., Rockford, Ill.
Reliance Gauge Column Co. ("Cleveland"), Cleveland, Ohio
Schultz A. L. & Son ("Schultz"), 1675 Elston av, Chicago, Ill.
Schwab R. J. & Sons Co. ("Milwaukee"), 283 Clinton, Milwaukee, Wis.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Snow & Petrelli Mfg. Co. ("Joe's"), New Haven, Conn.
Sprout, Waldron & Co., Muncy, Pa
Strait H. N. Mfg. Co., Kansas City, Kan.
Stephens-Adamson Mfg. Co. ("S. A." Steel Plate), Aurora, Ill.
Sunderland Machinery & Supply Co., Omaha, Nebr.
Thomas Flexible Coupling Co. ("Empire"), Erie, Pa.
Transmission Ball Bearing Co., 1056 Military rd, Buffalo, N. Y.
United Iron Works Co. (Patented), Kansas City, Mo.
Universal Machinery Co., 784 30th, Milwaukee, Wis.
Milwaukee Shaper Co., 1144 Kolton, Milwaukee, Wis.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co. (And Jaw), 1856 N Kostner av, Chicago, Ill.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
**WESTLUND C. G. CO. ("Star" Safety, "Westlund Split"), 498 Millbury, Worcester, Mass.**
Wolf Co., Chambersburg, Pa.
Worcester Machine Co., Worcester, Mass.
Wood's T. B. Sons Co. ("Universal Giant"), Chambersburg, Pa.

## 2778—Clutches (Friction, Heavy Mill)

Bond Foundry & Machine Co., Lancaster Co., Manheim, Pa.
*See adv index at end of book*
Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*
O. K. Clutch & Machinery Co., Columbia, Pa. *See adv index at end of book*

## 2779— Clutches (Gas Engine)

Bond Foundry & Machine Co., Lancaster Co., Manheim, Pa.
*See adv index at end of book*
Brown Clutch Co. ("Brown"), Sandusky, O.
Carruthers & Fithian Clutch Co., Grove City, Pa.
Fairbanks, Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*
Havana Mfg. Co., Havana, Ill.
Hill Clutch Co., W. 65th, Cleveland, O.
Hilliard Clutch & Machy Co., Elmira, N. Y.
Johnson Carlyle Machine Co. ("Johnson"), Manchester, Conn.
Jones W. A. Foundry & Machine Co. ("Lemley"), 4401 W 12th, Chicago, Ill.
Lauson-Lawton Co., De Pere, Wis.
Minster Machine ("Herken" Friction), Minster, O.
**O. K. CLUTCH & MACHINERY CO.** ("O. K." Friction), Columbia, Pa.
*See adv index at end of book*
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Thomas Flexible Coupling Co. ("Empire"), Erie, Pa.
West Coast Gas Engine Co. (Reverse for Oil Field Service), San Diego, Cal.

## 2780— Clutches (Magnetic)

Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*

## 2781—Clutches (Motor Cycle)

Eclipse Machine Co., 18th, Elmira, N. Y.
Universal Machinery Co., 784 30th, Milwaukee, Wis.

## 2782— Clutches (Rail)

Handlan-Buck Mfg. Co. ("McPartland"), 210 14 N 3rd, St. Louis, Mo.

## 2783—*Clutches (Safety, Friction)

Bond Foundry & Machine Co., Lancaster Co., Manheim, Pa.
*See adv index at end of book*

## Coach Wheel Lathes

See Lathes, Car & Driving Wheel

## 2783a—Coagulant (Concentrated)

Kalbfleisch Corp., 31 Union Sq, New York

## 2783b—*Coal Breaker Buildings

**BETHLEHEM FABRICATORS, INC.**, Bethlehem, Pa.

## Coal Breakers

See Crushers, Coal & Coke

## Coal Cutters

**See Coal Cutting Machines**

## Coal Dock Outfits

See Conveyors, Coal; also Buckets; also etc

## 2784—Coal Handling & Storage Plant Construction

See also Machinery, Coal & Ore Handling; also Conveyors, Coal & Ash Handling
Brown Hoisting Machinery Co., 4403 St. Clair, N. E., Cleveland, O.
Fairbanks, Morse & Co. (Designers & Builders), 900 S Wabash av, Chicago, Ill.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
**GUARANTEE CONSTRUCTION CO.** (For Power Plants), 92 West, New York
Haiss Geo. Mfg. Co., 141st & Rider av, New York
**HUNT C. W. CO.**, West New Brighton, N. Y. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N. Fourth, Columbus, Ohio. *See adv index at end of book*
Lakeside Bridge & Steel Co., North Milwaukee, Wis. *See adv index at end of book*
**LINK-BELT CO.** (Complete Plants), 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Macdonald Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Maine Electric Co., Portland, Me.
Mead-Morrison Mfg. Co., Cor. Prescott & Orleans, East Boston, Mass.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Roberts & Schaefer Co. (Engineers' & Contractors' Coal Washeries, Tipples, Coal Dock Builders, Screening Equipment, Power Houses, Bins & Coaling Stations), 332 S. Michigan av, Chicago, Ill.
**WEBSTER MFG. CO.**, 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 2784a— Coal Mines

Marked thus: * Anthracite; † Bituminous.

### ALABAMA.

BIRMINGHAM—Alabama Co.
Corona Coal Co.
De Bardeleben Co.

### COLORADO.

DENVER—Colorado Fuel & Iron Co., Boston bldg
Moffat Coal Co., Gas & Electric bldg
Rockly Mountain Fuel Co., Foster bldg
Union Coal Co., Colorado bldg

### ILLINOIS.

ASSUMPTION—Pana Coal Co.
BELLEVILLE—Pocahontas Mining Co.
BENTON—Franklin County Mining Co.
CATLIN—Taylor-English Coal Co.
CENTRALIA—Marion County Coal Co.
CHICAGO—Big Creek Coal Co., 122 S Michigan av
Black Star Coal Co., 76 W Monroe
Centralia Coal Co., 343 S Dearborn
Chicago Sandoval Coal Co., McCormick bldg
Chicago, Wilmington & Franklin Coal Co., McCormick bldg
Columbus Mining Co., 332 S Michigan av
Dering J. K. Coal Co., 332 S Michigan av
Essanbee Mine Co., 808-343 Dearborn
Groveland Coal Mining Co., McCormick bldg
Indiana & Illinois Coal Corp., 10 S La Salle
Johnson City Coal Co., Conway bldg
Madison Coal Corp., 910 S Michigan blvd
Nokomis Coal Co., Old Colony bldg
O'Gara Coal Co., McCormick bldg
Old Ben Coal Corp., McCormick bldg
Peabody Coal Co., 332 S Michigan av
Peerless Coal Co., McCormick bldg
Pike County Coal Co., McCormick bldg
Rend W. P. Coal & Coke Co., McCormick bldg
Republic Coal Co., 28 E Jackson blvd
Ridge Coal Mining Co., 37 W Van Buren
St. Paul Coal Co., Railway Exch. bldg
Searls Coal Co., Rookery bldg
Security Coal & Mining Co. of Mo., Fisher bldg
Sheal Creek Coal Co., McCormick bldg
Southern Gem Coal Corp., Old Colony bldg
Wisconsin Steel Co., 606 Michigan av
GILLESPIE—Superior Coal Co.
HARRISBURG—Wasson Coal Co.
HERRIN—Freeman Coal Mining Co.
HILLSBORO—Hillsboro Coal Co.
JOHNSON CITY—Ernest Coal Co.
LA SALLE—La Salle County Carbon Coal Co.
MONMOUTH—Silver Creek Colliery Co.
O'FALLON—Mutual Coal & Mining Co.
PEORIA—Clark Coal & Coke Co.
ROCK ISLAND—Spoon River Colliery Co.
ROYALTON—Franklin Coal & Coke Co.
SPRINGFIELD—Citizens Coal Mining Co.
Chicago-Springfield Coal Co.
Paradise Coal Co.
Sangamos Coal Co.
Union Fuel Co.
West End Coal Co.
STAUNTON—Mt. Olive & Staunton Coal Co.
WEST FRANKFORT—West Frankfort Coal Co.
WHITE ASH—Johnson City Washer Coal Co.

### INDIANA.

BRAZIL—American Coal Mining Co.
CLINTON—Clinton Coal Co.
EVANSVILLE—Wooley J. Coal Co.
HYMERA—Steele-Kattman Coal Co.
INDIANAPOLIS—Ayrdale Coal Co., 601 Trac. Term.
Linton Collieries Co., Fletcher Trust bldg
TERRE HAUTE—Big Vein Mining Co.
Fort Harrison Mining Co.
Lower Vein Coal Co.
Oliphant-Johnson Coal Co.
Pickett & Shirkle Coal Co.
Rowlands Power Consolidated Collieries Co.
Sanford Mining Co.
Tecumseh Coal & Mining Co.
Vigo Mining Co.
Western Indiana Mining Co.
Zimmerman Coal Co.

### IOWA.

DES MOINES—Central Iowa Fuel Co.
BUXTON—Consolidated Coal Co.

### KANSAS.

COLUMBUS—Spencer Newlands Coal Co.
PITTSBURG—Carbon Coal Co.

### KENTUCKY.

ARTEMUS—Wheeler Coal Co.
COXTON—Lich Branch Coal Co.
EARLINGTON—St. Bernard Mining Co.
GREENVILLE—Duncan W. G. Coal Co.
HENDERSON—Mid-West Fuel Co.
PADUCAH—Riker C. M. Coal Co.
PINEVILLE—Boone Trail Coal Co.
PRESTONBURG—Middle Creek Coal Co.
STONE—Pond Creek Coal Co.
STURGIS—West Kentucky Coal Co.
WHITE STAR—White Star Coal Co.

### MARYLAND.

BALTIMORE—Consolidated Coal Co., Continental bldg
CUMBERLAND—George's Creek Coal Co.
Davis Coal & Coke Co., Continental bldg

### MASSACHUSETTS.

BOSTON—New England Fuel & Transportation Co., 111 Devonshire

### MICHIGAN.

BAY CITY—Gage Robt. Coal Co.
DETROIT—Ford Collieries Co., Ford bldg
Superior Colliery Co., Hamm. bldg

### MISSOURI.

KANSAS CITY—Central Coal & Coke Co.
Crowe J. R. Coal & Mining Co., Dwight bldg
Jackson-Walker Coal & Mining Co., Commerce bldg
ST. LOUIS—Consolidated Coal Co. of St. Louis, 1155 Ry. Exch.
Donk Bros. Coal & Coke Co., 314 N 4th
Kerens-Donnewald Coal Co., 12th & Lucas av
Lumach Coal Co., 613 Locust
New Staunton Coal Co., Security bldg
Perry County Coal Corp., Boatmen's Bk. bldg
Southern Coal & Coke & Mining Co., Security bldg
Western Coal & Mining Co., Railway Exch. bldg
Willis Coal & Mining Co., Fullerton bldg

### MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Diamond Coal & Coke Co.
WASHOE—Montana Coal & Iron Co.

### NEBRASKA.

OMAHA—Megeata Coal Co.
Roundup Coal Mining Co.
Sheridan Coal Co.

### NEW MEXICO.

ALBUQUERQUE—Diamond Coal Co.
RATON—St. Louis, Rocky Mt. & Pacific Co.

### NEW YORK.

BUFFALO—†Cascade Coal & Coke Co., Erie Co. Bk. bldg
LACKAWANNA—†Ellsworth Collieries Co.
†Lackawanna Coal & Coke Co.
NEW YORK CITY—American Coal Co. of Allegheny Co., 1 Broadway
†Brothers Valley Coal Co., 90 West
*Del., Lackawanna & Western RR. Co., 90 West
Elk Horn Coal Corp., Bankers Tr. bldg
Maryland Coal Co. of W. Va., 1 Broadway
Miller Joseph., 55 Liberty
New River Collieries Co., 120 B'way
†Penna. Coal & Coke Corp., Whitehall bldg
†Rainey W. J., 52 Vanderbilt av
Texas & Pacific Coal Co., 24 B'way
†Vintor Colliery Co., 50 E 42d
Western Pocahontas Fuel Co., 61 B'way
SYRACUSE—Edgewater Coal Co.
Portsmouth Solvay Coke Co.

### OHIO.

ADENA—Wheeling Township Coal Mining Co.
AKRON—Akron Coal Co.
ATHENS—Boston Consolidated Coal Co.
BELLAIRE—Morgan A. J. Coal Co.
CAMBRIDGE—Forsythe Coal Co.
CLEVELAND—Barton Coal Co., Rockefeller bldg
Cambridge Collieries Co., Rockefeller bldg
Clarkson Coal Mining Co., Rockefeller bldg
Cleveland-Belmont Coal Co., Hickox bldg
Cleveland Cliffs Iron Co., Rockefeller bldg
Fairview Coal Co., Rockefeller bldg
Kanawha & Hockoning Coal & Coke Co., Union Nat'l Bk. bldg
Morris Coal Corp., Citizens bldg
National Coal Co., Rockefeller bldg
Ohio & Penna. Coal Co., Williamson bldg
Rail & River Coal Co., Rockefeller bldg
Sauters Coal Co., Leader News bldg
Sterling Coal Co., Ltd., Leader News bldg
U. S. Coal Co., Citizens bldg
†Valley Camp Coal Co., Rockefeller bldg
Warner Collieries Co., Union Nat'l Bk. bldg
†Youghiogheny & Ohio Coal Co., Leader Bldg
COLUMBUS—Great Lakes Co. Mining Co., Spahr bldg
Lorain Coal & Dock Co., Huntington Bk. bldg
Pittsburgh Coal Co., Spahr bldg
Sunday Creek Coal Co., Outlook bldg
MASSILLON—Goshen Central Coal Co.
POMEROY—Peacock Coal Co.
TOLEDO—Cambria Collieries Co.
YOUNGSTOWN—Republic Iron & Steel Co.
ZANESVILLE—Zanesville Coal Co.

### OKLAHOMA.

LEHIGH—Folsom Morris Coal Mining Co.
McALESTER—Backbone Coal Co.
Greenwood Coal Co.
Osage Coal & Mining Co.

### PENNSYLVANIA.

BETHLEHEM—†Penna.-Mary. Coal Co.
BENTLEYVILLE—†Union Coal & Coke Co.
BLAIRSVILLE—†Kiskimentas Coal Co.
BRIER HILL—†Brier Hill Coke Co.
CHATTANOOGA—Durham Coal & Iron Co.
CLEARFIELD—Clearfield Bituminous Coal Corp.
CLYMER—†Russell Coal Mining Co.
CONNELLSVILLE—Jackson Coal Co.
DAWSON—†Washington Coal & Coke Co.
DU BOIS—†Buffalo & Susquehanna Coal & Coke Co.
EAST BRADY—†Keystone Mining Co.
ERIE—†Pittsburgh & Erie Coal Co.
GREENSBURG—†Greensburg Coal Co.
†Inland Coal Co.
†Irwin Gas Coal Co.
†Jamison Coal & Coke Co.
†Keystone Coal & Coke Co.
†Latrobe-Connellsville Coal & Coke Co.
†Mt. Pleasant-Connellsville Coke Co.
INDIANA—†Coal Run Mining Co.
JEDDO—*Markle G. B. Co.
LATTIMERS MINES—*Pardee Bros. & Co., Inc.
LEECHBURG—†Saltsburg Coal Mining Co.
LIGENIER—†Seger Bros.
NEW BETHLEHEM—†Pine Run Coal Co.
MAUCH CHUNK—*Alden Coal Co.
†Beaver Run Coal Co.
MINERSVILLE—†Sonman Shaft Coal Co.
PHILADELPHIA—†Barnes & Tucker Co., Harrison bldg
†Cambria Steel Co., Widener bldg
*Cranberry Creek Coal Co., 437 Chestnut
Crozer Coal & Coke Co., No. American bldg
Emmons Coal Mining Co. of W. Va., Land Title bldg
*Haryd Coal Co., Land Title bldg
*Harleigh-Bookwood Coal Co., N. A. bldg
†Logan Coal Co., Harrison bldg
†McIntyre J. M. & Co., Comm. Tr. bldg
†Madeira Hill Coal Mining Co., N. Amer. bldg
Maryland Coal Co. of Penna., Comm. Tr. bldg
*Midvalley Coal Co., Land Title bldg
New River & Pocahontas Consolidated Coal Co.
North East Coal Co., Commercial Tr. bldg
†Rockhill Iron & Coal Co., 437 Chestnut
†Shoemaker Coal Mining Co., Real Estate bldg
†Westmoreland Coal Co., 224 S 3rd
PITTSBURGH—†Argentine Coal Co., Oliver bldg
†Arrow Coal Co., Oliver bldg
†Bertha Coal Co., Chamber of Commerce bldg
†Blanchard Coal Co., Fulton bldg
†Carnegie Coal Co., Oliver bldg
†Chartiers Creek Coal Co., Park bldg
*Colonial Colliery Co., N. A. bldg
†Consolidated Coke Co., Oliver bldg
*Consumers Fuel Co., Chamber of Comm. bldg
†Clyde Coal Co., Bessemer bldg
†Crucible Fuel Co., Empire bldg
†Diamond Coal & Coke Co., Birds Run Dock
†Equitable Coke Co., Oliver bldg
†Fayette Coal Corp., 1st Nat'l Bk. bldg
†Greenburgh-Connellsville Coal & Coke Co., 1st Nat'l Bk. bldg
Harmon Creek Coal Co., Oliver bldg
†Hecla Coal & Coke Co., Oliver bldg
†Hillman Coal & Coke Co., 1st Nat'l Bk. bldg
†Kittanning Iron & Steel Co.
†Meadow Lands Coal Co., 1st Nat'l Bk. bldg
†Short Creek Coal Co., 1st Nat'l Bk. bldg
†Stevens Coal Co., 246 3d av
†Pitts. Terminal Railroad & Coal Co., Wabash bldg
†Pitts. Coal Co., Oliver bldg
U. S. Coal & Coke Co., Carnegie bldg
†Verner Coal & Coke Co., Oliver bldg
†Vesta Coal Co., Jone & Laughlin bldg
Windsor Coal Co., Bendum-Trees bldg
POTTSVILLE—Peerless Coal & Coke Co.
PUNXSUTAWNEY—†Brush Creek Coal Mining Co.
†Cowanshannock Coal & Coke Co.
†Jefferson & Clearfield Coal & Iron Co.
†Pitts. Gas Coal Co.
†Rochester & Pitts. Coal & Iron Co.
†Summit Coal Mining Co.
ROSEBUD—†Irvona Coal & Coke Co.
RUSSELLTON—†Superior Fuel Co.
ST. BENEDICT—†Carrolltown Coal Co.
SCOTTSDALE—†Lincoln Coal & Coke Co.
SCRANTON—*Hudson Coal Co.
*Jermyn & Co.
†Northwestern Mining & Exchange Co.
*Penna. Coal Co.
*Price, Pancoast Coal Co.
*Scranton Coal Co.
*Temple Coal Co.
*West End Coal Co.
SNOW SHOE—†Kelly Bros. Coal Co.
SOMERSET—†Quemahoning Coal Co.
UNIONTOWN—†Buchannon River Coal Co.
†Reilly-Callaghan Coal & Coke Co.
†Taylor Coal & Coke Co.
†Whyel Coke Co.
WASHINGTON—†McClare Mining Co.

PENNSYLVANIA—continued
WILKES-BARRE—*Lehigh & Wilkes-Barre Coal Co.
†Morris Run Coal Mining Co.
*Susquehanna Collieries Co.
WINDBER—†Reitz Coal Co.

TENNESSEE.

FAIRFAX—Johnson Fuel Co.
LA FOLLETTE—La Follette Coal & Iron Co.
MEMPHIS—Galloway Coal Co.
MONTEREY—Brier-Hill Collieries Co.
TRACY CITY—Tenn. Consolidated Coal Co.

UTAH.

SALT LAKE CITY—Independent Coal & Coke Co.
Utah Fuel Co.

VIRGINIA.

BIG STONE GAP—Stonega Coal & Coke Co.
BLACKWOOD—Blackwood Coal & Coke Co.
LYNCHBURG—Premier Pocahontas Collieries Co.
POCAHONTAS—Pocahontas Fuel Co., Inc.
PULASKI—Pulaski Iron Co.
ROANOKE—Va. Iron, Coal & Coke Co.
ST. PAUL—Clincher River Creek Co.
SOUTH CLINCHFIELD — International Coal Products Corp.

WASHINGTON.

SEATTLE—Pacific Coal Co., Smith bldg

WEST VIRGINIA.

BRAEHOLM—Buffalo Eagle Coal Co.
CANNELTON—Cannelton Coal & Coke Co.
CARBON—Carbon Fuel Co.
CHARLESTON—Slab Fork Coal Co.
CHARPLES—Boone County Coal Corp.
COALWOOD—Carter Coal Co.
DOTT—Turkey Gap Coal & Coke Co.
ELKINS—W. Virginia Coal & Coke Co.
EXCELSIOR—Excelsior Pocahontas Coal Co.
FAIRMONT—Bethlehem Coal Co.
Hutchinson Coal Co.
Monongahela Valley Traction Co.
GLEN JEAN—McKee Coal & Coke Co.
GLEN WHITE—White E. E. Coal Co.
HOLDEN—Island Creek Coal Co.
HUNTINGTON—Lundale Coal Co.
KAYFORD—Cabin Creek Consolidated Coal Co.
McDONALD—New River Co.
OMAR—Main Island Creek Coal Co.
PAGE—Long Creek Colliery Co.
PLEASANT—Ohio River Salt Co.
TAMS—Gulf Smokeless Coal Co.
WELCH—Central Pocahontas Coal Co.
WINDING GULF—Winding Gulf Colliery Co.

WISCONSIN.

MILWAUKEE—Elkhorn Piney Coal Mining Co., 425 E Water

WYOMING.

GEBO—Owl Creek Coal Co.
KEMMERER—Kemmerer Coal Co.
ROCK SPRING—Union Pacific Coal Co.

## 2785— Coal Tar Products

See also Colors, Coal Tar

Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
Amalgamated Dyestuff & Chemical Works, Inc., 75 Hudson, New York
**Barrett Co., 17 Battery pl, New York**
Bayway Chemical Co., Elizabeth, N. J.
Berlin Aniline Works (Imp), 213 Water, New York
Bidtel Chemical Works, Inc., 51 Front, New York
By-Products Coke Corp., 332 S. Michigan av, Chicago, Ill.
**Cabot Samuel (Inc.), 141 Milk, Boston, Mass.**
**Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.**
**Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.**
**Chatfield Mfg. Co., Carthage, Cincinnati, O.**
**City Gas Co. (Gas & Coal Tar), Norfolk, Va.**
**Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.**
**Du Pont Chemical Wks., Wilmington, Del.**
**Ford Roofing Products Co., 1134 N. 3rd, St. Louis, Mo.**
**Glockner & Blue Co. (Roofing), 2474 3d av, New York**
Huggins Jas. & Son (For Rubber Mfrs.), Malden, Mass.
Jordan William E., Inc., 13 Cliff, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
**Milwaukee Gas Light Co., 182 Wisconsin, Milwaukee, Wis.**
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Philadelphia Aniline & Extract Co. (Aniline), Bourse bldg, Phila., Pa.
**PROTEXOL CORP.,** 41 Barclay, New York
**Semet-Solvay Co., Syracuse, N. Y.**
**Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.**
Stelwagon Mfg. Co., 19th & Washington av, Phila., Pa.
Standard Chemical Co., Tacoma, Wash
**United Roofing & Mfg. Co., Morris bldg, Phila., Pa.**
**Warren Bros. Co. ("Acme"), 142 Berkeley pl, Boston, Mass.**
**Warren Chemical & Mfg. Co., 17 Battery pl, New York**
**Watson H. F. Co. (Crude & Refined), Erie, Pa.**
**Wilckes, Martin, Wilckes Co. (Coal Tar Only), 135 William, New York**
**Zobel Ernst Co., 112 2d av, Brooklyn, N. Y.**

## 2786—Coal & Coke Crushing & Screening Plants

Chain Belt Co., Milwaukee, Wis.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**Heyl & Patterson, 51 Water, Pittsburgh, Pa.**
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
**JEFFREY MFG. CO., 961 N 4th Columbus,** Ohio. *See adv index at end of book*
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
**Mead-Morrison Mfg. Co., eor Prescott & Orleans, East Boston, Mass.**
**Phillips Mine & Mill Supply Co. (Screening Only), 2227 Jane, Pittsburgh, Pa.**
**Sanford-Day Iron Works (Screening Only), Knoxville, Tenn.**
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 2786a— Coalite

**ATLAS POWDER CO.,** 140 N Broad, Phila., Pa.
*See adv index at end of book*
**GIANT POWDER CO. CONS.,** San Francisco, Cal. *See adv index at end of book*

## 2786b— Coat Hangers

**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
Florin Philip, 465 Broome, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 2787—Coating (Automobile Tire)

**French Sam'l H & Co. ("Whitire"), 4th & Callowhill, Phila., Pa.**

## Coating (Concrete)

See Water-proofing Materials

## Coating (Rope & Cable)

See Wire Rope Coating & Lubricant

## 2788—Coatings (Cast Iron Pipe)

Barber Asphalt Paving Co. (Asphalt), Land Title bldg, Phila., Pa.
**Highland Chemical Products Co. ("Highland," Non-Corrosive), Connellsville, Pa.**
Lamson John S. & Bro., 347 Madison av, New York
Patton Paint Co., Milwaukee, Wis.
Riesenman Mfg. Co. (Ltd.) ("Eclipse"), Franklin, Pa.
Standard Asphalt & Rubber Co. ("Sarco," Mineral Rubber for Steel & Cast Iron Pipe), 208 S La Salle, Chicago, Ill.

## 2789—Coatings (Cement Floor)

Anti-Hydro Waterproofing Co., 9 Orchard, Newark, N. J.
**Billings-Chapin Co. ("Bilchaco" for Preventing Dust, etc), 1163 E 40th, Cleveland, O.**
Ohio Varnish Co. ("Chi-Namel"), 8604 Kinsman, Cleveland, O.
**Preservative Products Co., 1133 B'way, New York**

## 2790— Coats (Duck)

**Collins Michael J., 24 Thayer, Boston, Mass.**
Gordon Supply Co., 537 Albany, Boston, Mass.

## 2791— Cobalt

**DAFT, A. C.** (Mfrs. Agent), Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
**DRAKENFELD B. F. & CO., INC.** (Metal Oxides, Carbonate, Nitrate & Sulphate Acetate—Selling Agent), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
McKesson & Robbins, 91 Fulton, New York
**METAL & THERMIT CORP.,** 120 B'way, New York
*See adv index at end of book*
**Roessler & Hasslacher Chemical Co. (Oxide, etc.), 709 6th av, New York**
Sloan & Russel, Inc. (Dryers & Salts), 132 Nassau, New York
**Wiarda John C. & Co. (Oxide & Sulphate), 273 Greene, Brooklyn, N. Y.**

## 2791a— Cobalt (Acetate)

**DRAKENFELD B. F. & CO., INC.** (Metal Oxides, Carbonates, Nitrate, Sulphate & Acetate—Selling Agent), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Masco Chemical Co., New Market, N. J.

## 2791b— Cobalt (Carbonate)

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio

## 2791c— Cobalt (Chloride)

Cooper Chas. & Co., 194 Worth, New York
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Shepherd Chemical Co., Beech & Highland, Cincinnati, O.
Stressen-Reuter & Hancock, Inc., 122 S Michigan av, Chicago, Ill.

## 2791d— Cobalt (Linoleate)

Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Meyer J. & Sons, Phila., Pa.
Sizing Specialties Co., Jersey City, N. J.
Stresen-Reuter & Hancock, Inc., 122 S Michigan av, Chicago, Ill.

## 2791e— Cobalt (Metal)

Drakenfeld B F & Co., 50 Murray, New York.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Mackay A. D., 130 Pearl, New York

## 2791f— Cobalt (Nitrate)

**DRAKENFELD B. F. & CO., INC.** (Metal Oxides, Carbonate, Nitrate, Sulphate & Acetate—Selling Agents), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio

## 2791g— Cobalt (Oxide)

Drakenfeld B. F. & Co., 50 Murray, New York
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Mackay A. D., 130 Pearl, New York.
Niasco Chemical Co., New Market, N. J.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Stresen-Reuter & Hancock, Inc., 122 S. Michigan av, Chicago, Ill.
Wiarda John C. & Co., 273 Greene, Bklyn., N. Y.

## 2791h— Cobalt (Peroxide)

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio

## 2791i— Cobalt (Resinate)

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Scheel Wm. H., 159 Maiden lane, New York
*See adv index at end of book*

## 2791j— Cobalt (Sulphate)

**DRAKENFELD B. F. & CO., INC.** (Metal Oxides, Carbonate, Nitrate, Sulphate & Acetate—Selling Agents), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Hummel & Robinson, 26 Cortlandt, New York

## 2792— Cobblers' Outfits

**Chattanooga Implement & Mfg Co., Chattanooga, Tenn.**
Enterprise Mfg. Co. of Pa., N 3d, cor Dauphin, Phila., Pa.
Fate-Root-Heath Co. ("Economy," "Economical," "Eclipse," "Invincible," "Guaranteed Perfection," "Leader," "Royal," "Acme," "Universal," "Plymouth Rock," "Combination," "Popular," "Fireside," "Premier," "Practical," "Home" Family, etc), Plymouth, O.
Sacks Louis, Inc. ("Star"), Wilson av, Newark, N. J.
Wrightsville Hardware Co., Wrightsville, Pa.

## 2792a— Cocaine

Mallinckrodt Chemical Wks., 3600 W 2nd, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York

## 2793— Cochineal

Hagemeyer Trading Co. (Importers), 17 Battery pl, New York
Hillier's R. Son Co. (Imp.), 100 William, New York
Klipstein A. & Co., 644 Greenwich, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Ransom L. E. Co. (Imported), 279 Pearl, New York

## 2794— Cockeyes

Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Frazer & Jones Co. (Screw, Triangular, "Utility," "Little Giant" Clip, etc), Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand," Screw, Triangular, Clip, etc.), New Britain, Conn.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Stowell Co., The, S Milwaukee, Wis.

## 2795— Cocks (Acid)

Aterite M. H. Co., Inc. (Sulphuric), 55 John, New York
Duriron Castings Co. ("Duriron" Acid Proof), Dayton, O.
General Ceramics Co. (Stoneware), 50 Church, New York
Kelly & Jones Co., Greensburg, Pa.
M. H. Aterite Co., Paterson, N. J.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio

## Cocks (Acid-Proof Stoneware)

**See Stoneware, Chemical**

## 2796— Cocks (Air)

**American Lubricator Co., Summit & Wabash Ry, Detroit, Mich.**
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Asbell S. J. Co., Paterson, N. J.
Buckeye Iron & Brass Works (Hydraulic, Bibb, etc), Dayton, O.
Detroit Brass Works, 331 Holden, Detroit, Mich.
**GLAUBER BRASS MFG. CO.,** 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Hancock Mfg. Co., Charlotte, Mich.
Hays Mfg. Co., Erie, Pa.
Homestead Valve Mfg. Co., Homestead, Pa.
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Monarch Valve Co. ("Monarch" Brass), 112 Front, Brooklyn, N. Y.
Nason Mfg. Co., 71 Fulton, New York
National Brass Mfg. Co. (Lever Handle), Rochester, N. Y.
Pittsburgh Brass Mfg. Co. (For Mines), Penn & 32nd, Pittsburgh, Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
Standard Brass Works, 97 Wight, Detroit, Mich.
Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.
Strater Herman & Sons, 74 Sudbury, Boston, Mass.
Utility Compressor Co., 355 Harper, Detroit, Mich.
**WESTINGHOUSE AIR BRAKE CO., Pittsburgh, Pa.**

## 2797— Cocks (Air Brake)

Sherburne & Co. (Brakeman's, for Controlling from Rear of Trains When Backing), 53 Oliver, Boston, Mass.
Star Brass Mfg. Co. ("Star," Brakeman's Signals), 53 Oliver, Boston, Mass.
**WESTINGHOUSE AIR BRAKE CO.** (Self-Locking Angle), Pittsburgh, Pa.

## 2798— Cocks (Ale & Beer)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Asbell S. J. Co., Paterson, N. J.
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Cleveland Brass Works, 1525 E 49th, Cleveland, O.
Cleveland Faucet Co., 1205 E 55th, Cleveland, O.
Hamilton Jno. Brass Works (Beer or Bar), Bridgeport, Conn.
Haydenville Co., Haydenville, Mass.
Homer Brass Works, 231 Race, Phila., Pa.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
Liberty Brass Works, 305 W Lombard, Baltimore, Md.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Strater Herman & Sons, 74 Sudbury, Boston, Mass.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 2798a—Cocks (Asbestos Packed)

Fairbanks Co., 416 Broome, New York

## 2799— Cocks (Ball)

**ACHESON MFG. CO.** ("Mansfield"), Rankin, Pa. *See adv index at end of book*
American Brass & Copper Co., 138 Lafayette, New York
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
Appleton Brass Co. ("Curtain," Rotary), 3 Appleton, Boston, Mass.
**Belknap Mfg. Co., Bridgeport, Conn.**
Boston Brass Co. ("B. B." High Pressure "Bronx"), 135 Bacon, Waltham, Mass. *See adv index at end of book*
Boyts, Porter & Co., Connellsville, Pa.
Burlington Brass Works ("Hartford"), Burlington, Wis.
Cahill-Swift Mfg. Co. ("Crescent"), 112 Market, St. Louis, Mo.
**Columbus Brass Co., 538 Dublin av., Columbus, O.** *See adv index at end of book*
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dalton Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
Dececo Co., 157 High, Boston, Mass.
Engel Mfg. Co., 210 Temple, Syracuse, N. Y.
d'Este Julian Co. ("U. S."), 24 Canal, Boston, Mass.
*See adv index at end of book*
Douglas John Co., Carthage, Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Exeter Brass Works ("Ryan's," "M. H."), Exeter, N. H.
Fleck Bros. Co., 44 N 5th, Phila., Pa
Frost Mfg. Co. ("Frost"), Kenosha, Wis.
Gaylord Sanitary Mfg. Co. ("Quick Repair"), El Dorado, Kansas.
**Haines, Jones & Cadbury Co. ("Hajoica"), 1136 Ridge av, Phila., Pa.**
Hall Mfg. Co., Harrison, N. J.
Haydenville Co., Haydenville, Mass.
Heap Wm. & Sons, Grand Haven, Mich.
**Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.**
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Homer Brass Works, 231 Race, Phila., Pa.
Humphreys Mfg. Co. (High Pressure), Mansfield, O.
Hyland W. J. Mfg. Co. (Clark), Springfield, Mass.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
L. B. Brass Co. ("L. B."), Peabody, Mass.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, **Cincinnati, O.** *See adv index at end of book*
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McGraw R., Syracuse, N. Y.
McNab & Harlin Mfg. Co., 55 John, New York
McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
McShane Bell Foundry Co. ("McShane" Compression), Harford av & B. & O. R. R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 36th, New York
Miller Chas. A. Co. (Low Down, Closet, etc.), Sturgis, Mich.
Monarch Brass Co., Cleveland, O.
Moore G. B., 100 Dwight, Springfield, Mass.
Morency-Van Buren Mfg. Co. ("M. V. B."), Sturgis, Mich.
Mott, J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York
Nelson N. O. Mfg. Co., 10th & Chestnut St. Louis, Mo.
Ohio Pump & Brass Co. ("Triumph"), Columbus, O.
Peck Bros. & Co., New Haven, Conn.
Ramsey Machine & Elevator Co., 207 N 12th, St. Louis, Mo.
Robertshaw Mfg. Co., Youngwood, Pa.
S. & I. Co. ("Never Break," "S. & I. Quiet"), Springfield, Mass.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Schild Specialty Co. ("Herschler Faultless"), 111 High av, Cleveland, O.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.

COCKS (BALL)—continued

Street & Kent Mfg. Co. (Quanco," Barbers'), 549 Fulton, Chicago, Ill.
Tillotson Humidifier Co. (Noiseless), 78 Fountain, Providence, R. I.
Trenton Brass & Machine Co., Trenton, N. J.
Try-Me Mfg. Co. ("Try-Me"), Westfield, Mass.
**Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.**
Union Metal Works ("A. R. R. C."), Chelsea, Mass.
Vulcan Brass Mfg. Co. ("Paragon"), 24 Noble Court, Cleveland, O.
Webb F. W. Mfg. Co., 50 Elm, Boston, Mass.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wise J. B., Inc., Watertown, N. J.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
**Wolverine Brass Works ("Dale"), Grand Rapids, Mich.**

## 2800— Cocks (Basin)

**American Foundry & Mfg. Co. (Compression, Ground Key & Self-Closing), 11th & Hebert, St. Louis, Mo.**
Atkinson Co., Rochester, N. Y.
Banner Mfg. Co. ("Banner," Self-Closing Faucet), 109 Lafayette, New York
Bashlin Co. (Compression & Self-Closing), Warren, Pa.
**Burlington Brass Works (Fuller & Compression), Burlington, Wis.**
**Central Brass Mfg. Co. ("Quick-Pression" Faucets), 6206 Cedar, Cleveland, O.**
Chicago Faucet Co. ("Chi-Fau-Co.," Self-Closing), **2712 N Crawford av, Chicago, Ill.**
Cooper Sanitary Mfg. Co. (Compression & **Fuller), 34th & Chestnut, Phila., Pa.**
Dearborn Brass Co. (Self-Closing), Cedar Rapids, Ia.
Dick Bros. (Inc.), Reading, Pa.
Elgin Brass Co., 21 Park Row, New York
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
Excelovalve Co. ("Excel-O Valve" Slow Closing), **1777 Broadway, New York**
**Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.**
*See adv index at end of book*
Haydenville Co. (Compression & Swing), Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Kelly & Jones Co. (Compression, etc.), 135 Water, Pittsburgh, Pa.
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co. ("McDonald," Adjustable Right or Left Fuller), Dubuque, Ia.
McNab & Harlin Mfg. Co. (Compression, etc), 55 John, New York
McRae & Roberts Co. ("China Index Handle," Compression), 227 Campbell av, **Detroit, Mich.** ***See adv index at end of book***
McShane Bell Foundry Co. (Compression & Self-Closing), Harford av & B. & O. R. R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 36th, New York
Mott J. L. Iron Works, Trenton, N. J.
Mueller H. Mfg. Co. (Compression, Rapidac, Fuller & Self-Closing), Decatur, Ill.
Nopack Brass Mfg. Co. ("Nopack"), DuBois, Pa.
**Peck Bros. & Co., New Haven, Conn.**
**Prier Brass Mfg. Co. ("Standard" Self-Closing & "Prier" Quick Compression), Kansas City, Mo.**
Regar Brass Mfg. Co. ("Regar"), 1523 E 45th, Cleveland, O.
**Sherman H. B. Mfg. Co., Battle Creek, Mich.**
**Speakman Supply & Pipe Co. ("Speakman" Compression Faucet, China Mountings), Wilmington, Del.**
**Stebbins E. Mfg. Co. ("Broughton" Self-Closing), Springfield, Mass.**
**Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.**
Vulcan Brass Mfg. Co., 24 Noble ct, Cleveland, Ohio

## 2801— Cocks (Bath)

American Brass Mfg. Co., 1521 E. 149th, Cleveland, O.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**American Sanitary Mfg. Co. ("American-Fuller"), Abingdon, Ill.**
Atkinson Co., Rochester, N. Y.
Bashlin Co. (Compression), Warren, Pa.
**Burlington Brass Works (Fuller), Burlington, Wis.**
**Central Brass Mfg. Co. ("Quick-Pression" Faucets), 6206 Cedar, Cleveland, O.**
**Cooper Sanitary Mfg. Co. (Compression & Fuller), 34th & Chestnut, Phila., Pa.**
Dearborn Brass Co., Cedar Rapids, Ia.
Dick Bros. (Inc.), Reading, Pa.
**Edwardsville Brass Co., Edwardsville, Ill.**
Elgin Brass Co., 21 Park Row, New York
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
**Findeisen & Kropf Mfg. Co. (Fuller), 2559 W 21st, Chicago, Ill.**
**Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.**
*See adv index at end of book*
Hays Mfg. Co., Erie, Pa.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
**McShane Bell Foundry Co. (Compression Double), Harford av & B. & O. R. R., Baltimore, Md.**
**Mott J. L. Iron Works, Trenton, N. J.**
**Mueller H. Mfg. Co. (Compression, Rapidac & Fuller), Decatur, Ill.**
Nason Mfg. Co., 71 Fulton, New York
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
**Northern Brass Mfg. Co. (Double, etc.), Waukegan, Ill.**
Robinson Plumbing Supply Co. (Jobbers), St. Paul, Minn.
**Rundle Mfg. Co. (Fuller & Compression), 27th & Wahl, Milwaukee, Wis.**
**Trenton Brass & Machine Co. (Compression), Trenton, N. J.**
**Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.**
Weiskittle A. & Son Co., 12th & E Lombard, Baltimore, Md.

## 2802— Cocks (Bibb Nose)

Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
**LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.** ***See adv index at end of book***
Schwander Brass Mfg. Co., 823 N. 8th, St. Louis, Mo.

## 2803— Cocks (Blow-Off)

**Berkshire Mfg. Co. (For Foundry Use), Whitney Power blk, Cleveland, O.**
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
**CROSBY STEAM GAGE & VALVE CO.** ("Crosby," "Johnstone" Swing Lever Type for Locomotives & Stationary Boilers), 40 Central, Boston, Mass.
*See adv index at end of book*
**Eaton & Hertz, Bowles bldg, Detroit, Mich.**
Homestead Valve Mfg. Co., Homestead, Pa.
Judson Governor Co., Rochester, N. Y.
**LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.** ***See adv index at end of book***
**Nathan Mfg. Co. (For Locomotive), 416 E 106th, New York**
O'Mally-Beare Valve Co. ("Multiplate"), Railway Exch. bldg, Chicago, Ill.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C."), Hartford, **Conn.**
Whitehead Bros. Co. (For Foundry Use), **537 W 27th, New York**

## 2803a— Cocks (Brass)

Haydenville Co., Haydenville, Mass.
20th Cent. Brass Wks., Belleville, Ill.
Walworth Mfg. Co., 798 1st, South Boston, Mass.

## 2804— Cocks (Clay Press)

Trenton Brass & Machine Co. (For "Watson" & "Belfield" Clay Presser), Trenton, N. J.

## 2805— Cocks (Cooler)

**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
Haydenville Co., Haydenville, Mass.
**National Brass Mfg. Co., Rochester, N. Y.**
Rose Mfg. Co., 120 W 32nd, New York.

## 2806— Cocks (Corporation)

**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
Buckeye Iron & Brass Works, Dayton, O.
Campbell J. B. Brass Works, Erie, Pa.
**Cleveland Brass Mfg. Co. ("Clebra"),** 4606 Hamilton, Cleveland, O.
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Ltd., Williamsport, Pa.
**Elkhart Brass Mfg. Co. (Stop), Elkhart, Ind.**
Everhart Brass Works, Scranton, Pa.
Farnan Brass Works Co., 1105 Center, Cleveland, O.
**GLAUBER BRASS MFG. CO.,** 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
**Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.**
Hamilton Jno. Brass Works, Bridgeport, Conn.
**Hamlin & Emery Brass Co., 49 Island, Boston, Mass.**
Haydenville Co., Haydenville, Mass.
Hays Mfg Co., Erie, Pa.
Healey Peter, Evansville, Ind.
**Homer Brass Works, 231 Race, Phila., Pa.**
Jones Jas. Co., 201 Leroy av, Los Angeles, Cal.
Kinsey & Mahler Co., Peoria, Ill.
Kitson Hydro-Carbon Heating & Incadescent Lighting Co. ("Kitson"), 2819 Oakford, Phila., Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
McCambridge Co., 315 N 20th, Phila., Pa.
**McDonald A. Y. Mfg. Co., Dubuque, Ia.**
McNab & Harlin Mfg. Co., 55 John, New York
Meyer-Sniffen Co., 11 W 36th, New York
Mueller H. Mfg. Co., Decatur, Ill.
Nason Mfg. Co., 71 Fulton, New York
Ohio Pump & Brass Co., Columbus, O.
Peck Bros. & Co., New Haven, Conn.
Pioneer Brass Works, Indianapolis, Ind.
Prier Brass Mfg. Co., Kansas City, Mo.
**Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis.**
Smith A. P. Mfg. Co. (Also Curb), E. Orange, N. J.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
Union Water Meter Co., Worcester, Mass.
Walworth Mfg. Co., Boston, Mass.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 2807—Cocks (Cream Separator)

Haydenville Co., Haydenville, Mass.
Landers, Frary & Clark, New Britain, Conn.
McRae & Roberts Co., 227 Campbell av, Detroit, Mich. ***See adv index at end of book***
National Brass Mfg. Co., Rochester, N. Y.
Standard Brass Works, 97 Wight, Detroit, Mich.

## 2808— Cocks (Curb)

**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
Glauber Brass Mfg. Co., 49th & Superior av N. E, Cleveland, O.
*See adv index at end of book*
Hays Mfg. Co., Erie, Pa.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Mueller H. Mfg. Co., Decatur, Ill.
Rockford Brass Works, Rockford, Ill.

## 2809— Cocks (Cylinder)

American Safety Lamp & Mine Supply Co, (Locomotive), Scranton, Pa.
**Buckeye Iron & Brass Works (Also With Connecting Handle, etc), Dayton, O.**

Detroit Brass Works, 331 Holden, Detroit, Mich.
Eagle Brass Foundry Co., Seattle, Wash.
*See adv index at end of book*
**Edna Brass Mfg. Co. (Locomotive Cylinder), Cincinnati, O.**
**Hancock Inspirator Co. (Pneumatic), 119 W 40th, New York**
**LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.** *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
**Nathan Mfg. Co. (Cylinder & Drain for Locomotives), 416 E. 106th, New York**
**Powell Wm. O. (Tee Handle & L Handle, Traction Engine, etc), Cincinnati, O.**
*See adv index at end of book*
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
**Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.**
**Watertown Specialty Co. ("Watertown" Automatic Drain), Watertown, N. Y.**

## 2810— Cocks (Dial)

Essex G. B. Brass Co. ("Essex"), 480 Franklin, Detroit, Mich.
Hays Mfg. Co., Erie, Pa.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 2811— Cocks (Drain)

Homestead Valve Mfg. Co., Homestead, Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
*See adv index at end of book*

## 2812— Cocks (Filter Press)

Haydenville Co., Haydenville, Mass.
Johnson John Co., 203 37th, B'klyn, N. Y.
McRae & Roberts Co., 227 Campbell av, Detroit, Mich. *See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 2813— Cocks (Float)

Homestead Valve Mfg. Co., Homestead, Pa.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.

## 2814— Cocks (Four-Way)

Crane Co., 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Hartman Co., 1231 N Front, Phila., Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 2815— Cocks (Gas Engine)

Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 2816— Cocks (Gas Meter)

**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
**Buckeye Iron & Brass Works, Dayton, O.**
**Campbell J. B. Brass Works, Erie, Pa.**
**Crane Co., Bridgeport, Conn.**
**Elkhart Brass Mfg. Co., Elkhart, Ind.**
**Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.**
*See adv index at end of book*
**Haydenville Co., Haydenville, Mass.**
**Hays Mfg. Co., Erie, Pa.**
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
**Kelly & Jones Co. (Brass), 135 Water, Pittsburgh, Pa.**
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, N. Y.
**McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich.**
*See adv index at end of book*
Mueller H. Mfg. Co., Decatur, Ill.
Powell Wm. Co, Cincinnati, O.
*See adv index at end of book*
Rockford Brass Works (Lock Wing Union), Rockford, Ill.
Stebbins E. Mfg. Co., Springfield, Mass.
Utica Valve & Fixture Co., Utica, N. Y.

## 2817— Cocks (Gas Service)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Belfield H. Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Campbell J. B. Brass Works, Erie, Pa.
Cleveland Brass Mfg. Co. ("Clebra"), 4606 Hamilton, Cleveland, O.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Detroit Brass Works, 331 Holden, Detroit, Mich.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Everhart Brass Works, Scranton, Pa.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works Co., 1105 Center, Cleveland, O.
Flannery J. P. Co., New Britain, Conn.
Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.
*See adv index at end of book*
Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Healey Peter, Evansville, Ind.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Homer Brass Works, 231 Race, Phila., Pa.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co. (Brass), 135 Water, Pittsburgh, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Kitson Hydro Carbon Heating & Incadescent Lighting Co. ("Kitson"), 2819 Oakford, Phila., Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMann & Taylor Co., 104 John, New York
*See ad index at end of book*
McNab & Harlin Mfg. Co., 55 John, N. Y.
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Meyer-Sniffen Co., 11 W 36th, New York
Morgan Mfg. Co., Inc., Keene, N. H.
Mueller H. Mfg. Co., Decatur, Ill.
Nason Mfg. Co., 71 Fulton, New York
National Supply Co., Toledo, O.
Nichol Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Ohio Pump & Brass Co., Columbus, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Queen City Brass & Iron Works, Cincinnati, O.
Rockford Brass Works, Rockford, Ill.
Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Smith A. P. Mfg. Co., East Orange, N. J.
Stebbins E. Mfg. Co., Springfield, Mass.
Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.
Union Brass & Metal Mfg. Co., Lawson & Macubin, St. Paul, Minn.
Utica Valve & Fixture Co., Utica, N. Y.
Walworth Mfg. Co., Boston, Mass.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 2818— Cocks (Gas Stove)

American Brass & Copper Co., 138 Lafayette, New York
Detroit Brass Works, 331 Holden, Detroit, Mich.
Hays Mfg. Co., Erie, Pa.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Mueller H. Mfg. Co., Decatur, Ill.
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
Rockford Brass Works, Rockford, Ill.
Standard Brass Works, 97 Wight, Detroit, Mich.
Stebbins E. Mfg. Co., Springfield, Mass.
Utica Valve & Fixture Co., Utica, N. Y.

## 2819—Cocks (Gasoline Shut-Off)

Dole Valve Co., 1923 Carroll, Chicago, Ill.
Homestead Valve Mfg. Co., Homestead, Pa.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Medina Stamping & Machine Co., Medina, N. Y.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*

## 2820— Cocks (Gauge)

**AMERICAN SAFETY LAMP & MINE SUPPLY CO.** ("Scranton" Self-Closing), Scranton, Pa.
American Steam Gauge & Valve Mfg. Co. ("American," "Bonar"), 208 Camden, Boston, Mass.
Ashcroft Mfg. Co. (Locomotives, etc), 119 W 40th, New York
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Bordo L. J. Co., 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works (Ball, Compression, Mississippi, etc), Dayton, O.
Cadman A. W. Mfg. Co. ("Indestructible" High Pressure, etc.), 2816 Smaliman, Pittsburgh, Pa.
Capitol Brass Works (Compression), 596 Franklin, Detroit, Mich.
Chaplin-Fulton Mfg. Co. ("Bingham's" Self-Grinding), 34 Penn av, Pittsburgh, Pa.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Detroit Brass Works, 331 Holden, Detroit, Mich.
Edna Brass Mfg. Co. (Steam, with Union), Cincinnati, O.
Everhart Brass Works (Improved Ball), Scranton, Pa.
Fewlass-Leen Brass & Iron Co., 610 E Front, Cincinnati, O.
Hall Mfg. Co., Harrison, N. J.
Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
Haydenville Co., Haydenville, Mass.
Hills, McCanna Co. (High Pressure), 153 W Kinzie, Chicago, Ill.
Huyette Paul B. Co. ("P. B. H." Quick Opening, Self-Closing, Weighted), 5 S 18th, Phila., Pa.
Jenkins Bros., 80 White, New York
**JERGUSON GAGE & VALVE CO.** (Standard & to Specification), Mystic av & Fellsway, Somerville, Mass.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kinsey & Mahler Co. (Compression), Peoria, Ill.
Lonergan J. E. Co. (Locomotive, Compression, Weighted, etc), 211 Race, Phila., Pa.
**LUNKENHEIMER CO.** ("Excelsior"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McNab & Harlin Mfg. Co. (Steam), 55 John, New York
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich. *See adv index at end of book*
Marion Machine, Foundry & Supply Co. "Alexander"), Marion, Ind.
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Michigan Lubricator Co. ("Michigan" Compression Chain Lever, etc.), 3643 Beaubien, Detroit, Mich.
Nason Mfg. Co. ("Aetna" Double Ball Seat), 71 Fulton, New York

COCKS (GAUGE)—continued

Nathan Mfg. Co. ("Tee's," etc., for Locomotives), 416 E 106th, New York
National Brass Mfg. Co., Rochester, N. Y.
Northern Tool Co. (Safety), Utica, N. Y.
O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.
Ohio Brass Co. ("O. B."), Mansfield, O.
*See adv index at end of book*
Ohio Injector Co., Wadsworth, O.
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Pittsburgh Gage & Supply Co. ("Pittsburgh" Rotating & "Gaco" take down), 30th & Liberty av, Pittsburgh, Pa.
Powell Wm. Co. (Ball, Compression, Regrinding & "Bingham" Self-Grinding Rotating, "Mississippi"), Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Reliance Gauge Column Co. ("Reliance" Lever Chain), Cleveland, O.
Rich Mfg. Co. ("Hoyt" Self-Closing), 370 Atlantic av, Boston, Mass.
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
**"S.-C." REGULATOR MFG. CO.** ("S.-C."), Valveless), Fostoria, O.
Sherwood Mfg. Co. ("Felthousen," "Buffalo," also Compression), 1709 Elmwood, Buffalo, N. Y.
Standard Brass Works, 97 Wight, Detroit, Mich.
Star Brass Mfg. Co. ("Hoyt"), 53 Oliver, Boston, Mass.
Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.
Swift Lubricator Co., Elmira, N. Y.
United States Gauge Co. (Steam Gauge & Syphon), 67 Wall, New York
Walworth Mfg. Co., Boston, Mass.
Williams Gauge Co. ("Williams" Rotating & Regrinding & "Ball Type"), 543 4th av, Pittsburgh, Pa.
Witbonco Mfg. Co., 24 Porter, Boston. Mass.
Wright-Austin Co., 97 Woodbridge W, Detroit, Mich.

## 2820a— Cocks (Hard Lead)

United Lead Co., 111 B'way, New York

## 2821— Cocks (Hard Rubber)

American Hard Rubber Co. (For Chemical & Dye Works), 9 Mercer, New York

## Cocks (Hopper)

See Valves, Hopper

## 2822— Cocks (Hose)

American Brass & Copper Co., 138 Lafayette, New York
Buckeye Iron & Brass Works, Dayton, O.
Detroit Brass Works, 331 Holden, Detroit, Mich.
Flannery P. J. Co. (Brass Hose Bibbs, for Iron Pipe), New Britain, Conn.
Haydenville Co., Heydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Knox Mfg. Co., 821 Cherry, Phila., Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.**, 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Standard Brass & Iron Works (For Brewers, etc), 1820 St. Paul av, Milwaukee, Wis.

## 2823— Cocks (Hydrant)

American Foundry & Mfg. Co. (Compression & Ground Key), 11th & Hebert, St. Louis, Mo.
Detroit Brass Works (Ground Key), 331 Holden, Detroit, Mich.
Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.
*See adv index at end of book*
Kinsey & Mahler Co., Jobbers, Peoria, Ill
McNab & Harlin Mfg. Co., 55 John, New York
McShane Bell Foundry Co. (Compression), Harford av & B. & O. R. R., Baltimore, Md.

## 2823a— Cocks (Hydraulic)

Elmes Charles F Engng. Wks., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 2824— Cocks (Indicator)

American Lubricator Co. (Three-Way for Engine Cylinders), Summit & Wabash Ry, Detroit, Mich.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Hays Mfg. Co., Erie, Pa.
Lonergan J. E. Co. (Three-Way), 211 Race, Phila., Pa.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Michigan Lubricator Co. ("Michigan" Three-Way), 3643 Beaubien, Detroit, Mich.
Powell Wm. Co. (Dialed, for Throttler Gas & Gasoline Engines), Cincinnati, Ohio *See adv index at end of book*
Sherwood Mfg. Co. (Three-Way), 1709 Elmwood, Buffalo, N. Y.
Star Brass Mfg. Co. ("Star" Three-Way), 53 Oliver, Boston, Mass.
Trill Indicator Co. (Straight & Three-Way), Corry, Pa.

## 2825— Cocks (Inverted Key)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
**GLAUBER BRASS MFG. CO.**, 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Hays Mfg. Co., Erie, Pa.
Monarch Brass Co., Cleveland, O.

## 2826—Cocks (Lead Lined Iron)

Lead Lined Iron Pipe Co., Wakefield, Mass.

## 2827— Cocks (Liquor)

Best W. N., Inc. ("Calorex" Oil Cocks), 11 B'way, New York
Buckeye Iron & Brass Works, Dayton, O.
Hall Mfg. Co., Harrison, N. J.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co. (Oil Cocks), 227 Campbell av, Detroit, Mich.
*See adv index at end of book*

## 2828— Cocks (Locking)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill.
Haydenville Co. (Compression), Haydenville, Mass.
Hayes Mfg. Co. (Wing), Erie, Pa.
Landers, Frary & Clark, New Britain, Conn.
**LUNKENHEIMER CO.** Executive offices & factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Wilton Mfg. Co. ("Wilton"), Wrightsville, Pa.

## Cocks (Locomotive Cylinder)

See Cocks, Cylinder

## 2829— Cocks (Milk Can)

Hall Mfg. Co., Harrison, N. J.
Haydenville Co., Haydenville, Mass.
Landers, Frary & Clark, New Britain, Conn.
National Brass Mfg. Co., Rochester, N. Y.

## 2830— Cocks (Natural Gas)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Buckeye Iron & Brass Works, Dayton, O.
Campbell J. B. Brass Works, Erie, Pa.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.
*See adv index at end of book*
Hays Mfg. Co., Erie, Pa.
Improved Appliance Co., 413 Kent av, B'lyn, N. Y.
**LUNKENHEIMER CO.** Executive offices & factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co., 227 Campbell av, Detroit, Mich. *See adv index at end of book*

## 2831—Cocks (Newport Pattern)

Campbell J. B. Brass Works, Erie, Pa.
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.
*See adv index at end of book*
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
McNab & Harlin Mfg. Co., 55 John, New York
Mueller H. Mfg. Co., Decatur, Ill.
Stebbins E. Mfg. Co., Springfield, Mass.
Walworth Mfg. Co., Boston, Mass.

## Cocks (Oil)

See Cocks, Liquor

## 2832— Cocks (Oil Wagon)

Haydenville Co., Haydenville, Mass.
National Brass Mfg. Co., Rochester, N. Y.
Powell Wm. Co., 2525 Spring Grove av, Cincinnati, O.
*See adv index at end of book*
Wilton Mfg. Co., Wrightsville, Pa.

## 2833— Cocks (Plug)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Best W. N., Inc. ("Calorex"), 11 B'way, New York
Eastwood Wire Mfg. Co. (Bronze), Belleville, N. J.
Hays Mfg. Co., Erie, Pa.
Judson Governor Co. (Asbestos Packed, Iron, Brass or Aluminum), Rochester, N. Y.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
**LUNKENHEIMER CO.** (Packed), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
McRae & Roberts Co., 227 Campbell av, Detroit, Mich. *See adv index at end of book*
Pacific Foundry Co., 18th & Harrison, San Francisco, Cal.
Pratt & Cady Co. ("P & C," Asbestos Packed), Hartford, Conn.
Watson, Frye Co., Ltd. (Acid Proof), Bath, Me.

## Cocks (Priming)

See Cups, Priming

## 2834— Cocks (Refrigerator)

Haydenville Co., Haydenville, Mass.
Landers, Frary & Clark, New Britain, Conn.
National Brass Mfg. Co., Rochester, N. Y.
Peck Bros. & Co., New Haven, Conn.

## 2835— Cocks (Relief)

**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co., 227 Campbell av, Detroit, Mich. *See adv index at end of book*
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P & C," Asbestos Packed), Hartford, Conn.
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.

## 2836—Cocks (Rock Drill Air)

**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 2836a— Cocks (Rubber)

India Rubber Co., New Brunswick, N. J.
United States Rubber Co., 1790 Broadway, New York

## 2837— Cocks (Ship)

Bishop's Wm. Sons, 18 James, New York
Sands Alfred B. & Son Co., 20 Vesey, New York

## 2838—Cocks (Soda Fountain)

Hall Mfg. Co., Harrison, N. J.
Haydenville Co., Haydenville, Mass.
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.

## 2839— *Cocks (Spring Key)

**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 2840— Cocks (Steam)

Belfield H. Co., 435 N Broad, Phila., Pa.
Bordo L. J. Co., 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works (and Steam Gauge), Dayton, O.
Campbell J. B. Brass Works, Erie, Pa.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Detroit Brass Works (Also Service), 331 Holden, Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
Everhart Brass Works, 422-424 Penn av, Scranton, Pa.
Fewlass-Leen Brass & Iron Co., 610 E. Front, Cincinnati, O.
Flannery P. J. Co. (Brass), New Britain, Conn.
General Fire Extinguisher Co. (Brass), 275 W Exchange, Providence, R. I.
Glauber Brass Mfg. Co., 49th & Superior av, Cleveland, O.
*See adv index at end of book*
Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Healey Peter, Evansville, Ind.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Homestead Valve Mfg. Co., Homestead, Pa.
Judson Governor Co. (Asbestos Packed), Rochester, N. Y.
Kinsey & Mahler Co. ("K. & M. Co.," Brass), Peoria, Ill.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lonergan J. E. Co., 211 Race, Phila., Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McCambridge Co., 315 N 20th, Phila., Pa.
McDonald A. Y Mfg. Co., Dubuque, Ia.
**McMANN & TAYLOR CO.,** 104 John, New York *See adv index at end of book*
McNab & Harlin Mfg. Co. (Brass & Iron), 55 John, New York
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Mueller H. Mfg. Co., Decatur, Ill.
Nason Mfg. Co., 71 Fulton, New York
Nichol Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Peck Bros. & Co., New Haven, Conn.
Perkes Charles (Est. of), 627 Arch, Phila., Pa.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Powell Wm. Co. ("Powell Patent Guard," Plain, Three-Way, Light & Heavy Patterns, Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P. & C.," Asbestos Packed), Hartford, Conn.
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
**SIMMONS JOHN CO.,** 110 Centre, New York *See adv index at end of book*
Standard Brass Works, 97 Wight, Detroit, Mich.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.

## 2841—Cocks (Stop & Waste)

American Brass Mfg. Co., 1521 E 49th, Cleveland, O.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Asbell S. J. Co., Paterson, N. J.
Bashlin Co. (Compression & Self-Closing Hop Cocks Only), Warren, Pa.
Belknap Mfg. Co. (Draw-off), Bridgeport, Conn.
Buckeye Iron & Brass Works, Dayton, O.
Campbell J. B. Brass Works (Compression), Erie, Pa.
Central Brass Mfg. Co., 6206 Cedar av S E, Cleveland, O.
Cleveland Brass Mfg. Co. ("Clebra" Anti-Freezing), 4606 Hamilton, Cleveland, O.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
D. C. Mfg. Co. ("Canton" Compression), Canton, O.
Detroit Brass Works, 331 Holden, Detroit, Mich.
Edwardsville Brass Co., Edwardsville, Ill.
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works Co., 1105 Center, N W, Cleveland, O.
Flannery P. J. Co. ("P. J. F."), New Britain, Conn.
**GLAUBER BRASS MFG. CO.,** 49th & Superior av, Cleveland, O.
*See adv index at end of book*
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Hamilton Jno. Brass Works, Bridgeport, Conn.
Hamlin & Emery Brass Co. ("Newport" & "Fitchburg"), 49 Island, Boston, Mass.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Healey Peter, Evansville, Ind.
Hercules Iron & Supply Co., 473 Atlantic av, Boston, Mass.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Homer Brass Works, 231 Race, Phila., Pa.
Jones Jas Co., 201 Leroy, Los Angeles, Cal
Jost's Edmunds Sons., 58 1st, Newark, N. J.
Kelly Thos. & Bros. ("Kelly"), 404 S Kolmar av, Chicago, Ill.
Kelly & Jones Co. ("Universal"), 135 Water, Pittsburgh, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Kitson Hydro-Carbon Heating & Incandescent Lighting Co. ("Kitson" Compression, etc.), 2819 Oakford, Phila., Pa.
Knox Mfg. Co. (Pneumatic Hose Stop Cocks), 821 Cherry, Phila., Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Kupferle Jno. C. Foundry Co., 1st & Wright, St. Louis, Mo.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark ("Simplex"), New Britain, Conn.
Lead Lined Iron Pipe Co. (Lead Lined Iron), Wakefield, Mass.
**LUNKENHEIMER CO.** (Stop Only), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMann & Taylor Co., 104 John, New York
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
McShane Bell Foundry Co. (Compression), Harford av & B. & O. R. R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 36th, New York
Milwaukee Brass Mfg. Co. (Fuller & Compression), 251 Lapham, Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
Mueller H. Mfg. Co., Decatur, Ill.
Nelson N. O. Mfg. Co. (Compression), 10th & Chestnut, St. Louis, Mo.
Nichol Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Ohio Pump & Brass Co., Columbus, O.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
Pioneer Brass Works, Indianapolis, Ind.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Prier Brass Mfg. Co. ("Standard"), Kansas City, Mo.
Richter Brass Co., 210 E 9th, Cincinnati, Ohio
Rockford Brass Works, Rockford, Ill.
Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Ryan J. J. & Co., 100 S Jefferson, Chicago, Ill.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
United Brass Mfg. Co., 3844 Hamilton av, Cleveland, O.
Utica Valve & Fixture Co., Utica, N. Y.
Vulcan Brass Mfg. Co., 24 Noble ct, Cleveland, Ohio
Walworth Mfg. Co., Boston, Mass.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
Western Brass Mfg. Works, Marshall blvd & W. 21st, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

## 2842— Cocks (Three-Way)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill.
*See adv index at end of book*
Buckeye Iron & Brass Works (Brass), Dayton, O.
Hays Mfg. Co., Erie, Pa.
Homestead Valve Mfg. Co., Homestead, Pa.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
Judson Governor Co. (Asbestos Packed), Rochester, N. Y.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich
Mott J. L. Iron Wks., Trenton, N. J.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. RR., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C." Asbestos Packed), Hartford, Conn.
Standard Brass & Iron Works (Male or Female Connections), 1820 St. Paul av, Milwaukee, Wis.
Star Brass Mfg. Co. ("Star" For Indicator Use), 53 Oliver, Boston, Mass.
Thompson Richard & Co., 126 Liberty, New York
Trill Indicator Co. (Indicator), Corry, Pa.

## 2843— Cocks (Throttle)

Homestead Valve Mfg. Co., Homestead, Pa.
**LUNKENHEIMER CO.** (Oil-Air), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 2844—Cocks (Traction Engine)

**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*

## 2845— Cocks (Tuyere)

Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve Foundry & Construction Co. ("Atwood" Brass Cast), 26th & A. V. R. R., Pittsburgh, Pa.

## 2846— Cocks (Worm & Gear)

Judson Governor Co., Rochester, N. Y.
Pratt & Cady Co. ("P. & C."), Hartford, Conn.

## 2847—Cocks & Bibbs (Compression)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bashlin Co., Warren, Pa.
Bay State Brass Co., Haydenville, Mass.
Burlington Brass Works, Burlington, Wis.
Campbell J. B. Brass Works, Erie, Pa.
Central Brass Mfg. Co. ("Quick Pression" Faucets), 6206 Cedar av, S E, Cleveland, O.
Clark Cadle Harmon Corp., Rochester, N. Y.
**Cleveland Brass Mfg. Co. ("Clebra"), 4606 Hamilton, Cleveland, O.**
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
**Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.**
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
**Dearborn Brass Co., Cedar Rapids, Ia.**
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Dick Bros., Reading Pa.
DuBois F. N. & Co., 247 9th av, New York
**Edwardsville Brass Co., Edwardsville, Ill.**
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Elgin Brass Co., 21 Park Row, New York
Empire Brass Mfg. Co. (Regular & Quick Compression), 10301 Berea rd, Cleveland, O.
**Enterprise Hdwre. Mfg. Co., Frederick, Pa.**
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works Co., 1105 Center, N W, Cleveland, O.
**Federal-Huber Co., 234 N Halsted, Chicago, Ill.**
**GLAUBER BRASS MFG. CO.,** 49th & Superior av, Cleveland O.
*See adv index at end of book*
**Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.**
**Hamilton Jno. Brass Works, Bridgeport, Conn.**
Haydenville Co., Haydenville, Mass.
**Hays Mfg. Co. (Quick Opening, Basin & Bath Cocks, Also Bibbs), Erie, Pa.**
Healey Peter, Evansville, Ind.
Hoffmann Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Homer Brass Works, 231 Race, Phila., Pa.
Humphryes Mfg. Co., Mansfield, O.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
Judson Governor Co., Rochester, N. Y.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly Cincinnati, O. *See adv index at end of book*
McCambridge Co., 315 N 20th, Phila Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMann & Taylor Co., 104 John, New York
*See ad index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
McShane Bell Foundry Co. ("McShane" Red Metal), Harford av & B. & O. R R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 36th, New York
Milwaukee Brass Mfg. Co., 251 Lapham Milwaukee, Wis.
Mueller H. Mfg. Co., Decatur, Ill.
Nelson N. O. Mfg. Co., 10th & Chestnut St. Louis, Mo.
Nopack Brass Mfg. Co. ("Nopack"), Du bois, Pa.
Peck Bros. & Co., New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila. Pa.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
Prier Brass Mfg. Co., Kansas City, Mo.
Regar Brass Mfg. Co. (("Regar"), 1523 E 45th, Cleveland, O.
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
**Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.**
Ryan J. J. & Co., 100 S Jefferson, Chicago, Ill.
Savill's Thomas Sons, 1310 Wallace, Phila., Pa.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co. ("Esco"), Springfield, Mass.
Sterling Brass Co., 4610 St. Clair av, Cleveland, O.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Walworth Mfg. Co., Boston, Mass.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
Weiskittel A. & Son Co., 12th & E Lambard, Baltimore, Md.
**Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.**
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 2848—Cocks & Bibbs (Fuller Work)

Burlington Brass Works, Burlington, Wis
Clow Jas. B. & Sons, S. Franklin & Harrison, Chicago, Ill.
**Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila. Pa.**
Dearborn Brass Co., Cedar Rapids, Ia.
Edwardsville Brass Co., Edwardsville, Ill.
Exeter Brass Works, Exeter, N. H.
**Federal-Huber Co., 234 N Halsted, Chicago, Ill.**
**Glauber Brass Mfg. Co., 49th & Superior av, Cleveland, O.**
*See adv index at end of book*
**Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.**
Haydenville Co., Haydenville, Mass.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Meyer-Sniffen Co., 11 W 36th, New York
Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
*See adv index at end of book*
Milwaukee Valve Co., 139 Burrell, Milwaukee, Wis.
Mueller H. Mfg. Co., Decatur, Ill.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Peck Bros. & Co., New Haven, Conn.
Regar Brass Mfg. Co. ("Regar"), 1523 45th, Cleveland, O.
**Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.**
**Ryan J. J. & Co. ("Faultless"), 100 S Jefferson, Chicago, Ill.**
**Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.**
Stebbins E. Mfg. Co., Springfield, Mass.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
**Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.**
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 2849—Cocks & Bibbs (Ground Key)

**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
Asbell S. J. Co., Paterson, N. J.
Buckeye Iron & Brass Works, Dayton, O.
Campbell J. B. Brass Works, Erie, Pa.
**Cleveland Brass Mfg. Co. (Cocks Only, "Clebra"), 4606 Hamilton, Cleveland, Ohio**
Exeter Brass Works, Exeter, N. H
Farnan Brass Works Co., 1105 Center, N W, Cleveland, O.
Federal-Huber Co., 234 N Halstead, Chicago, Ill.
Fisher E. W. Co., 811 Superior av, N E, Cleveland, O.
**Glauber Brass Mfg. Co., 49th & Superior av, Cleveland, O.**
*See adv index at end of book*
**Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.**
Hall Mfg. Co., Harrison, N. J.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Healey Peter, Evansville, Ind.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Homer Brass Works, 231 Race, Phila., Pa.
Jost's Edmund Sons, 58 1st, Newark, N. J.
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
Keystone Brass Co., Erie, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Kitson Hydro-Carbon Heating & Incandescent Lighting Co. ("Kitson"), 2819 Oakford, Phila., Pa.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
Landers, Frary & Clark, New Britain, Conn.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Meyer-Sniffen Co., 11 W 36th, New York
Mott J. L. Iron Works, Trenton, N. J.
Mueller H. Mfg. Co., Decatur, Ill.
National Brass Mfg. Co. ("National"), Rochester, N. Y.
Nichol Thomas J. & Co., Pearl & Ludlow, Cincinnati, O.
Ohio Pump & Brass Co., Columbus, O.
Peck Bros. & Co., New Haven, Conn.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Regar Brass Mfg. Co. ("Regar"), 1523 E 45th, Cleveland, O.
**Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis.**
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
Walworth Mfg. Co., Boston, Mass.
**Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.**
**Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.**
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 2850—Cocks & Bibbs (Self-Closing)

American Automatic Machine Co., 22 Lovering, Boston, Mass.
**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
Barnstead Still & Sterilizer Co. (Automatic), 30 Forest Hill, Boston, Mass.
***See adv index at end of book***
Bashlin Co., Warren, Pa.
Brookside Brass Fdry & Mfg. Co., 2316 Selzer av, S. W. Cleveland, O.
**Chicago Faucet Co. ("Chi-Fau-Co." Quick Compression), 2712 N Crawford av, Chicago, Ill.**
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
Dayton Mfg. Co., Dayton, O.
Dearborn Brass Co., Cedar Rapids, Ia.
DuBois F N & Co., 247 9th av, New York
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
Exeter Brass Works, Exeter, N. H.
**Federal-Huber Co. ("Watrous," "Perry," "Cornell"), 234 N Halsted, Chicago, Ill.**
Gibson Bros. Mfg. Co., No. Chicago, Ill.
**GLAUBER BRASS MFG. CO.,** 49th & Superior av, Cleveland, Ohio
*See adv index at end of book*
**Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.**
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Kelly Thos. & Bros., 404 S. Kolmar av, Chicago, Ill.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.

Loeffelholz Co., 170 Clinton, Milwaukee, Wis.
McCambridge Co., 315 N 20th, Phila., Pa.
McShane Bell Foundry Co., Harford av, & B. & O. R. R., Baltimore, Md.
Meyer-Sniffen Co., 11 W 36th, New York
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Milwaukee Brass Mfg. Co. ("Engel," "Peerless," "Telegraph"), 251 Lapham, Milwaukee, Wis.
Milwaukee Valve Co., 139 Burrell, Milwaukee, Wis.
Mueller H. Mfg. Co., Decatur, Ill.
Peck Bros. & Co. ("Moore's" "Dougherty," "Boston"), New Haven, Conn.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Prier Brass Mfg. Co., Kansas City, Mo.
Rundle-Spence Mfg. Co. ("Telegraph"), 63 2nd, Milwaukee, Wis.
Ryan J. J. & Co., 100 S Jefferson, Chicago, Ill.
Saville's Thos. Sons, 1310 Wallace, Phila., Pa.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co. ("Broughton"), Springfield, Mass.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Vulcan Brass Mfg. Co., 24 Noble ct, Cleveland, Ohio
Walsh Richard, 61 Wayne, Detroit, Mich.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Young E. R. & Sons, Titusville, Pa.

## 2850a— Codeine

Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
N. Y. Quinine & Chemical Wks., 114 William, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

## 2850b— Coffins, Caskets, Etc.

See also Burial Cases & Vaults

Albany Casket Co., Albany, N. Y.
Andrews Isaac W. & Sons, South Woodstock, Me.
Arkansas Coffin Co., South Fort Smith, Ark.
Asbestos Burial Casket Co., Lowville, N. Y.
Ashton Casket Co., Easton, Pa.
Astoria Casket Co., 16 Chestnut, Long Island City, N. Y.
Atlanta Casket Co., Atlanta, Ga.
Atlantic Coffin & Casket Co., Rosehill, N. C.
Aurora Coffin Co., Aurora, Ind.
Baker-Brown Casket Co., Rochester, N. Y.
Bangor Casket Mfg. Co. (Hardwood & Overboxes), Bangor, Pa.
Batesville Casket Co. (Cloth & Hardwood), Batesville, Ind.
Belmont Casket Mfg. Co., Columbus, O.
Boston Burial Case Co., Somerville, Mass.
Boyertown Burial Casket Co. (Wood, Metal Finish & Covered), Boyertown, Pa.
Bristol Coffin & Casket Co., Bristol, Va.
Bristol Mfg. Co., Bristol, Vt.
Broussard Casket & Mfg. Co., New Iberia, La.
Brunswick Furniture Co., Brunswick, Md.
Buckingham N. & Co., Bridgeport, Conn.
Buckstaff Co., Oshkosh, Wis.
Burlington Coffin Co., Burlington, N. C.
Cadillac Casket Co., 360 Wabash, W Detroit, Mich.
California Casket Co., 959 Mission, San Francisco, Cal.
Cambridge City Casket Co. (Cloth Covered), Cambridge City, Ind.
Capital City Casket Co., Sacramento, Cal.
Casket Interment Box Co., 4854 N Clark, Chicago, Ill.
Central Casket Co., Buffalo, N. Y.
Charlotte Casket Co., Charlotte, N. C.
Chattanooga Coffin & Casket Co., (Varnished Coffins & Varnished Cloth Covered Caskets), Chattanooga, Tenn.
Chicago Casket Co. (Metallic, Oak, Mahogany & Cloth Covered), 1106 S Canal, Chicago, Ill.
Cincinnati Coffin Co. (Wood, Metal & Cloth Covered Caskets), Richmond, Carr & Fillmore, Cincinati, O.
Clark Mfg. Co., 46 Mathewson, Providence, R. I.
Clarksburg Casket Co., Clarksburg, W. Va.
Cleveland Burial Case Co., 2274 St. Clair av, N E, Cleveland, O.
Cleveland Coffin & Casket Co. (Wood), Cleveland, Tenn.
Columbus Coffin Co. (Hard Wood & Cloth Covered Caskets), Columbus, O.
Constantine Casket Co., Constantine, Mich.
Coopersburg Casket Co., Coopersburg, Pa.
Crane & Breed Mfg. Co. (Wood, Cloth & Metallic), 1227 W 8th, Cincinnati, O.
Crawfordsville Casket Co., Crawfordsville, Ind.
Cream City Casket Co., 490 32d, Milwaukee, Wis.
Curtis Jas. C. & Co., 1222 W Van Buren, Chicago, Ill.
Dallas Coffin Co., Dallas, Texas
Dayton Casket Co., Dayton, O.
Decatur Coffin Co., Decatur, Ill.
Des Moines Casket Co. (Cloth Covered, Oak & Mahogany), Des Moines, Ia.
Detroit Casket Co., 185 Congress W, Detroit, Mich.
Drake-Merritt Casket Co., Constantine, Mich.
Dubuque Casket Co., Dubuque, Ia.
Eastern Casket Co., 421 W Camden, Baltimore, Md.
Elmira Casket Co., Elmira, N. Y.
Embalming Burial Case Co., Burlington, Ia.
Erie Burial Case Co., Erie, Pa.
Evansville Coffin Co., Evansville, Ind.
Fergus Casket Works, Fergus Falls, Minn.
Flood Edward F. & Co., 24 Essex, Newark, N. J.
Florence Furniture Co., Florence, Mass.
Franklin Coffin Works, 1326 Sycamore, Cincinnati, O.
Freedom Casket Co., Freedom, Pa.
Gainesville Planing & Coffin Co., Gainesville, Fla.
Gate City Coffin Co., Atlanta, Ga.
Globe Casket Mfg. Co., Kalamazoo, Mich.
Grade Casket Co. (Cloth & Plush Covered), 734 E 17th, Los Angeles, Cal.
Grand Rapids Casket Co., Grand Rapids, Mich.
Hall & Donahue Coffin Co., Knoxville, Tenn.
Harrisburg Burial Case Co. (Caskets), Harrisburg, Pa.
Hartford Burial Case Co., Hartford, Conn.
Hastings Casket Mfg. Co., Hastings, Minn.
Hay & Peabody Casket Co. (Cloth Covered), Woodford's Station, Portland, Me.
Hazleton Mfg. Co. (Oak, Mahogany & Cedar Caskets), Hazleton, Pa.
Hearne Bros. & Co., Whitakers, N. C.
Hill F. H. Co. (Cloth Covered Caskets), 944 Washington blvd, Chicago, Ill.
Hincks Jos. L. S., Oldtown, Me.
Hornthal & Co. (Oak, Mahogany, Chestnut & Cloth Covered Caskets), 1339 S Wabash av, Chicago, Ill.
Huntsville Coffin Co., Huntsville, Ark.
Hutton J. M. & Co., Richmond, Ind.
Illinois Casket Co. (Cloth Covered), 2330 W Van Buren, Chicago, Ill.
Indianapolis Casket Co., 521 W North, Indianapolis, Ind.
Inland Casket Co., Spokane, Wash.
Iowa Coffin Co. (Polished Hardwood & Cloth Covered Caskets), Dubuque, Ia.
Jackson Casket & Mfg. Co., Jackson, Miss.
Janton A. & J., 1410 N 11th, Phila., Pa.
Junction City Mfg. Co., Junction City, Ga.
Kregel Casket Co., 18th & Cass av, St. Louis, Mo.
Leesville Coffin & Casket Co. (Pine & Poplar Coffins & Cloth Covered), Leesville, S. C.
Lena Casket & Supply Co., Lena, Ill.
Lincoln Casket Co. (Hardwood, Metallic & Cloth Covered), Lincoln, Ill.
Lord & Caswell, Skowhegan, Me.
Los Angeles Casket Co., 639 Banning, Los Angeles, Cal.
Lowell Casket Mfg. Co., Lowell, Mass.
Lucius Mfg. Co. (Metallic), Massilon, Ohio
Lunenberg Mfg. Co., Lunenberg, Vt.
McNatt Coffin & Casket Co., Vidalia, Ga.
Manger E. C. & Son Co. (Cloth Covered Caskets & Varnished Coffins), Green Bay, Wis.
Marsellus John Casket Co., Syracuse, N. Y.
Mather S. W., 3227 W 25th, Cleveland, O.
Maulsby A. R., Everett, Wash.
Maxton Casket Co., Maxton, N. C.
Memphis Coffin Co., Memphis, Tenn.
Meredith Casket Co., Meredith, N. H.
Michigan Casket Co., 245 Rivard, Detroit, Mich.
Miller T. M. Co., Scranton, Pa.
Milwaukee Casket Co., 54 15th, Milwaukee, Wis.
Minnesota Koll Casket Co., 722 Central av, Minneapolis, Minn.
Moen Casket & Furniture Co., Peterson, Minn.
Monroe Mfg. Co., Webster, N. Y.
Morgan Casket Co. (Bronze, Steel, Hardwood & Cloth Covered), 572 Park av, Brooklyn, N. Y.
Morris Mfg. Co., 10 Cross, Newark, N. J.
Mound Coffin Co., Main & Chambers, St. Louis, Mo.
Muncie Casket Co., Muncie, Ind.
Muskingum Coffin Co. (Cloth, Plush Covered & Finished Wood Caskets), Zanesville, O.
National Casket Co., 7th & Duquesne wy, Pittsburgh, Pa.
National Vault Casket Co. (Cement Reinforced), 2145 Bay, Los Angeles, Cal.
New Castle Casket Co., New Castle, Ind.
New York & Brooklyn Casket Co. (All Kinds), 703 Bedford av, Brooklyn, N. Y.
Northern Casket Co., Fon-du-lac, Wis.
Northwestern Casket Co. (Hardwood Finished, Metal & Cloth Covered), 661 17th av, N E, Minneapolis, Minn.
Nunda Casket Co., Nunda, N. Y.
Ohio Casket Co., Columbus, O.
Ohio Valley Coffin Co., Lawrenceburg, Ind.
Orleans Mfg. Co. (All Kinds), Girod & S. Peter, New Orleans, La.
Owens-Arnold Co., Allegan, Mich.
Owosso Casket Co. (Hardwood Finished & Cloth Covered), Owosso, Mich.
Pacific Casket Co. (Cloth Covered), 715 S Johnson, Los Angeles, Cal.
Pacific States Casket Co., 235 9th, San Francisco, Cal.
Palen's H. W. Sons, Kingston, N. Y.
Paul Casket Co., Cambridge City, Ind.
Pennsylvania Burial Case Co. (Cloth Covered & Varnished Oak Caskets), Reynoldsville, Pa.
Peninsular Casket Co., 23 Galster av, Detroit, Mich.
Pennsylvania Casket Co. (Hardwood), 604 Diamond, Phila., Pa.
Peoria Casket Co., Peoria, Ill.
Perrigo A. B., 3913 Cottage Grove av, Chicago, Ill.
Posy & Sons, Juniper, Ga.
Powers & Walker Casket Co., Grand Rapids, Mich.
Quincy Casket Co., Quincy, Ill.
Rankin Coffin & Casket Co. (Varnished, Cloth Covered), High Point, N. C.
Renshler John D., Findlay, O.
Richmond Casket Co., Richmond, Ind.
Richmond Woodworking Co. (Cloth Caskets), Richmond, Va.
Riddle F. C. & Bro. Casket Co. (Cloth Covered), 1400 Hogan, St. Louis, Mo.
St. Louis Coffin Co. (Cloth, Wood & Metal), 1821 Chouteau av, St. Louis, Mo.
San Francisco Casket Co., 621 Guerrero, San Francisco, Cal.
Sessions F. E. Co. (Cloth & Oak Caskets), Worcester, Mass.
Sims H. C., Richmond, Va.
Sioux City Casket Co. (Hardwood & Covered), Sioux City, Ia.
Southern Casket Co., Louisville, Ky.
Southern Coffin & Casket Co., Maryville, Tenn.
Spokane Casket Co., Spokane, Wash.
Springfield Coffin & Casket Co. (Cloth, Oak & Mahogany), Springfield, O.
Standard Coffin & Casket Mfg. Co. (Covered), 1029 W Chicago av, Chicago, Ill.
Stoll Casket Co., Upper Sandusky, O.
Stolts J. & J. W., 430 E 106th, New York
Sumter Coffin & Casket Mfg. Co., Sumter, S. C.
Sunbury Burial Case Co., Sunbury, Pa.
Sunbury Coffin & Casket Co., Sunbury, Pa.
Tennessee Coffin & Casket Co., Chattanooga, Tenn.
Terre Haute Casket Co., Terre Haute, Ind.
Texarkana Casket Co., Texarkana, Texas
Thurston Bros., South Union, Me.
Traverse City Casket Co., Traverse City, Mich.
Tri-State Casket Co. (Cloth Covered), Kendallville, Ind.
Turner-White Coffin Co., Winston-Salem, N. C.

COFFINS, CASKETS, ETC.—continued

U. S. Casket Co. (Cloth Covered), Scottdale, Pa.
Utah Casket Co., Salt Lake City, Utah.
Washington Casket Co. (Cloth Covered), Seattle, Wash.
Watt F. N. Co. (Hardwood & Cloth Covered Caskets), Richmond, Ind.
Weicht H. B., Angola, Ind.
Wellsville Burial Case Co., Wellsville, N. Y.
Western Casket Co. (Cloth Covered), Oakland, Cal.
Wichita Casket Co. (Cloth Covered), Wichita, Kans.
Willamette Casket Co., Tacoma, Wash.
Winona Casket Co. (Cloth Covered), Winona, Minn.
Wolverine Burial Case Co., 680 E. Congress, Detroit, Mich.
Woodland Mfg. Co., George, N. C.

## 2850c— *Cogging (Wood)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 2851— Cogs (Mill, Wood)

Bowsher N. P. Co., South Bend, Ind.
Great Western Mfg. Co., Leavenworth, Kans.
Menasha Wood Split Pully Co., Menasha, Wis.
Nordyke & Marmon Co. (For Mortised Gears), Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., Buffalo, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
Thompson Mfg. Co. (For Mortise Gears), Lancaster, N. H.
Woolbert Chas. W., Elmer, N. J.

## 2852— Coils (Aluminum)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Roos Chas. A., 429 E. 91st, New York

## 2853— Coils (Ammonia)

De La Vergne Machine Co., ft. E. 138th, New York
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Vilter Mfg. Co., 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*

## 2854—Coils (Armature & Field)

See also Armatures

Acme Wire Co. (Field Coils only), New Haven, Conn.
Advance Electric & Mfg. Co., Kansas City, Mo.
Arrow Mfg. Co., 618 Broadway, Toledo, O.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Bissell F. Co., Toledo, O.
Boston Armature Works, 77 Washington, Boston, Mass.
Capital Elec. Co., Springfield, Ill.
Cameron Elec'l Mfg. Co., Ansonia, Conn.
Chattanooga Armature Works (Frank Steffner, Propt.), Chattanooga, Tenn.
Cleveland Armature Wks., 4736 St. Clair av, Cleveland, O.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Columbus Electrical Works Co., 247 No. Front, Columbus, O.
Commutator Co., 121 N 1st, Minneapolis, Minn.
Consolidated Engineering Co., Jacksonville, Fla.
Dittrick & Jordan Elec. Co., 8700 Lorain av, Cleveland, O.
Doubleday-Hill Elec. Co., 719 Liberty av, Pittsburgh, Pa.
Downing-Smith Co., 430 S Green, Chicago, Ill.
Electric Operations Co., 254 36th, Brooklyn, N. Y.
Electrical Mfrs. Equipment Co. (Taping Machines), 712 Postal Telegraph bldg, Chicago, Ill. *See adv index at end of book*
Electromechanical Co., 530 N Calvert, Baltimore, Md.
Elliott Electric Co., 813 Superior, Cleveland, O.
Elliott-Thompson Electric Co., Ajax bldg, Cleveland, O.
Eureka Co., North East, Pa.
Findley Elec. Co., 215 S. 5th, Minneapolis, Minn.
Gee Electric Co., Wheeling, W. Va.
Guyan Machine Shops, Logan, W. Va.
Holden & White, Fisher bldg, Chicago, Ill.
Homer Commutator Co., 4748 Hough av, N E Cleveland, O.
Illinois Electrical Mfg. Co., Peoria, Ill.
Independent Lamp & Wire Co., 1733 B'way, New York
Kester Electric Co., Terre Haute, Ind.
King Coil & Mfg. Co., Schofield bldg, Cleveland, O.
Leacock A. M., 85 Columbia, Newark, N. J.
Littlefield H. A. & Co., West Lynn, Mass.
Major M. E. Elec. Co., Wilkes-Barre, Pa.
North East Electric Co., Rochester, N. Y.
Oliver Electric & Mfg. Co., 4221 Forest pk, St. Louis, Mo.
Pearson John W. Co., 839 W Lake, Chicago, Ill.
Ridlon Frank Co., 251 A, Boston, Mass.
**ROEBLING's JNO. A. SONS CO.,** Trenton, N. J., & Roebling, N. J.
*See adv index at end of book*
Stewart S. J., 312 Carondelet, New Orleans, La.
Stimple & Ward Co., 518 Sandusky, Pittsburgh, Pa.
Stuart-Howland Co., 234 Congress, Boston, Mass.
Traction Materials Co., 501 5th av, New York
Wente Electric Co., Hamilton, O.
Wesco Supply Co. ("Wesco"), 7th & Clark av, St. Louis, Mo.
Western Electric Co., 463 West, New York.
Western Electric Mechanical Co., Oakland, Cal.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## Coils (Brass & Bronze)

See Pine Bands & Coils

## 2855— Coils (Choke)

Delta-Star Electric Co., 2437 Fulton, Chicago, Ill.
Electric Service Supplies Co., ("Garton-Daniels" Porcelain Clamp Insulator), 17th & Cambria, Phila., Pa.
Electrical Engineers Equipment Co., 711 Meridian, Chicago, Ill.
Hickey & Schneider, Elizabeth, N. J.
Line Material Co., South Milwaukee, Wis.
Lord Mfg. Co. (Auto, Discharge, Vertical Unit), 105 W 40th, New York
Metropolitan Engrg. Co., 1250 Atlantic av, Brooklyn, N. Y.
Schweitzer & Conrad, Inc., 4431 Ravenswood av, Chicago, Ill.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
*See adv index at end of book*

## 2855a— Coils (Condensing)

American Lead Burning Corp., 30 Church, New York
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Badger E. B. & Sons Co., 75 Pitts, Boston, Mass.
*See adv index at end of book*
Detroit Heating & Lighting Co., Detroit, Mich.
General Ceramics Co., 50 Church, New York
Knight, Maurice A., Akron, O.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Oat Joseph & Sons, 232 Quarry, Phila, Pa.
Roos Chas. A., 429 E. 91st, New York

## 2856— Coils (Cooling)

American District Steam Co. ("Niagara"), No Tonawanda, N. Y.
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
United Lead Co. (Lined or Covered with Tin or Lead), 111 B'way, New York

## 2857—Coils (Gas Lighting Spark)

Acme Wire Co., New Haven, Conn.
American Electrical Works, Phillipsdale, R. I.
Dow Mfg. Co., Braintree, Mass.
Electric Goods Mfg. Co., Canton, Mass.
Engeln & Co., 1904 Euclid, Cleveland, O.
Hercules Electric Co., Indianapolis, Ind.
Kokomo Electric Co., Kokomo, Ind.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
National Coil Co., Lansing, Mich.
Ostrander W. R. & Co., 371 B'way, New York

## Coils (Ignition)

See Coils, Spark

## 2858— Coils (Induction)

Acme Wire Co., New Haven, Conn.
American Electric Co., 6401 So State, Chicago, Ill.
Bunnell J. H. & Co., 32 Park pl., New York
Doyle-Dacosta Mfg. Co. (Telephone, Relay & Ringer), Easton, Pa.
Dudlo Mfg. Co. ("Dudlo" Windings), Ft. Wayne, Ind.
Kelley-Koett Mfg. Co., Covington, Ky.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Kokomo Electric Co., Kokomo, Ind.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Nenominee Electric Mfg. Co., Menominee, Mich.
Pearce Fred'k Co., 20 Rose, New York
Quick Action Ignition Co., South Bend, Ind.
Ritchie E. S. & Sons ("For X-Ray" Apparatus & Wireless Telegraphy), Brookline, Mass.
Thordarson Elec. Mfg. Co., 501 S Jefferson, Chicago, Ill.
Victor Electric Corp., 236 S. Robey, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Williams E. Q., Syracuse, N. Y.

## 2858a— Coils (Platinum)

Baker & Co., Inc., 54 Austin, Newark, N.J.
Bishop J. & Co., Platinum Wks., Malvern, Pa.

## 2859— Coils (Resistance)

American Electrical Works, Phillipsdale, R. I.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Biddle Jas. G., 1211 Arch, Phila., Pa.
Bunnell J. H. & Co., 32 Park pl, New York
**CUTLER HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Doyle-Dacosta Mfg. Co., Easton, Pa.
Electrical Alloy Co. (Car Heater), Morristown, N. J.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
International Brass & Electric Co., 76 Beekman, New York
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Leeds & Northrup Co., Stenton av, 4901 Phila., Pa.
Metropolitan Engineering Co. (Reactance Coils for Generators), 1250 Atlantic av, Brooklyn, N. Y.
Pyrolectric Instrument Co., Trenton, N. J.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Thordarson Electric Mfg. Co., 501 S Jefferson, Chicago, Ill.
Ward Leonard Elec. Co., Mt. Vernon, N. Y.
Westburg Engng. Co., 53 W. Jackson blvd, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 2860— Coils (Spark)

Akar Ignition Co. ("Akar"), 149 W. Berkley, Phila., Pa.
American Electrical Works, Phillipsdale, R. I.
Autocoil Co. ("Jumphlame," "Owners"), 136 7th, Jersey City, N. J.
Bunnell J. H. & Co., 32 Park pl, New York
Connecticut Telephone & Electric Co. ("Connecticut"), Meriden, Conn.
Dayton Electrical Mfg. Co. ("Dayton"), Dayton, O.
Dow Mfg. Co., Braintree, Mass.
Doyle-Dacosta Mfg. Co. (Ignition Coils), Easton, Pa.
Dudlo Mfg. Co., Fort Wayne, Ind.

Edison Thomas A., Orange, N. J.
Eisemann Magneto Corp., 32-33rd, Brooklyn, N. Y.
Electric Goods Mfg. Co., Canton, Mass.
Empire Transformer Co., 2723 N. Clark, Chicago, Ill.
Fansteel Products Co. (Gas Engine), 215 N. Michigan av., Chicago, Ill.
Foote, Pierson & Co., 160 Duane, New York
**Heinze Electric Co. (For Automobiles),** Lowell, Mass.
Herz & Co., 245 W 55th, New York
International Brass & Electric Co. (For X-Ray, Wireless Telegraphy, etc), 76 Beekman, New York
**Jefferson Electric Mfg. Co. (For Automobiles), 426 S Green, Chicago, Ill.**
**Knott L. E. Apparatus Co. (High Frequency),** 79 Amherst, Cambridge, Mass.
Kokomo Electric Co. ("Kingston"), Kokomo, Ind.
Lemke Electric Co. (High Tension Jump & Make & Brake), 509 Cedar, Milwaukee, Wis.
**MANHATTAN ELECTRICAL SUPPLY Co.** (Marine Primary Jump Spark, Edison Type, Gas Lighting), 17 Park pl, New York
*See adv index at end of book*
Menominee Elec. Mfg. Co., Menominee, Mich.
Monarch Valve Co. ("Monarch"), 112 Front, Brooklyn, N. Y.
Mosler A. R. & Co., Woodlawn, N. Y.
**Motor Car Supply Co., 1453 Michigan av,** Chicago, Ill.
National Coil Co. ("Capitol"), Lansing, Mich.
New York Coil Co., 338 Pearl, New York
Noxon C. Per Lee, Syracuse, N. Y.
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
**Pfanstiehl Co.** ("X-Ray"), North C[illegible]go, Ill.
Pittsfield Spark Coil Co. ("Pittsfield"), Pittsfield, Mass.
**Quick Action Ignition Co. ("Quick Action"),** South Bend, Ind.
**Schug Elec. Mfg. Co., 252 E Larned, Detroit, Mich.**
Splitdorf Electrical Co., 98 Warren, Newark, N. J.
**Thordarson Elec. Mfg. Co., 501 S Jefferson,** Chicago, Ill.
Titan Engng Co., Union City, Ind.
Voltamp Electric Mfg. Co. (Jump), 407 N Paca, Baltimore, Md.
Wells R. C. Mfg. Co., Fond du Lac, Wis.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Williams E. Q., Syracuse, N. Y.
Witherbee Igniter Co. ("Wico"), 1904 B'way, New York

## Coils (Stoneware)

See Stoneware, Chemical

## 2861— Coke (Crushed)

Berger-Aiken Coal Co, Benedum Trees bldg, Pittsburgh, Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Smith Facing & Supply Co., 1857 Carter rd, Cleveland, O.

## 2862— Coke Mfrs.

Adah Coal & Coke Co., Uniontown, Pa.
Algoma Coal & Coke Co., Algoma, W. Va.
Altoona Coal & Coke Co., Altoona, Pa.
Arlington Coal & Coke Co., Lynchburg, Va.
Atlantic Coal & Coke Co., Tunnelton, W. Va.
Babcock Coal & Coke Co., Pittsburgh, Pa.
Barnitz Geo. A., York, Pa.
Battle Creek Coal & Coke Co., Orme, Tenn.
Beckley Coal & Coke Co., Macdonald, W. Va.
Berger-Aiken Coal Co., Benedum Trees bldg, Pittsburgh, Pa.
Bixler Coal & Coke Co. (Crushed), Fulton bldg, Pittsburgh, Pa.
Bottom Creek Coal & Coke Co., Vivian, W. Va.
Central Iron & Coal Co., 90 West, New York
**Citizens Gas Co., 47 S Penn, Indianapolis,** Ind.
Collins Colliery Co., Macdonald, W. Va.
Colonial Coal & Coke Co., Oliver bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Connellsville Central Coke Co., Empire bldg, Pittsburgh, Pa.
**Connellsville Coal & Coke Co., Connellsville, Pa.**
Connellsville Mutual Coke Co., Scottdale, Pa.
**Consolidated Coke Co., Oliver bldg, Pittsburgh, Pa.**
Crozer Coal & Coke Co., Upland, Pa., & Elkhorn, W. Va.
Crystal Coal & Coke Co., Crystal, W. Va.
Davis Coal & Coke Co. (Foundry, Furnace & Crushed), Continental bldg, Baltimore, Md.
Debevoise-Anderson Co. (Dealers), 56 Liberty, New York
Donohue Coke Co., Greensburg, Pa.
Dunn Connellsville Coke Co., Adamsburg, Pa.
Dunn Loop Coal & Coke Co., Macdonald, W. Va.
Durham Coal & Iron Co., Chattanooga, Tenn.
Elk Ridge Coal & Coke Co., Northfolk, W. Va.
Empire Coke Co., Geneva, N. Y.
Fairmont Coal Co. (Foundry, Furnace & Crushed), 14 Wall, New York
Fayette Coke Co., New Salem, Pa.
Fire Creek Coal & Coke Co. (Foundry), Staunton, Va.
Flat-Top Fuel Co. ("Pocahontas" Foundry), Bluefield, W. Va.
Frick H. C. Coke Co., Carnegie bldg, Pittsburgh, Pa.
Gilliam Coal & Coke Co., Lynchburg, Va., & Gilliam, W. Va.
Grafton Coal & Coke Co., Grafton, W. Va.
Hamilton Otto Coke Co., Hamilton, O.
Hanna M. A. & Co., Leader News bldg, Cleveland, O.
Harris-Smith Coal & Coke Co., Uniontown, Pa.
Harvey Coal & Coke Co., Macdonald, W. Va.
Hickman, Williams & Co. (Dealers), Louisville, Ky.
Hillman Coal & Coke Co. (Low Phosphorus Connellsville Blast Furnace Coke, etc), 1st National Bank bldg, Pittsburgh, Pa.
**Hostetter Connellsville Coke Co., 434 5th,** Pittsburgh, Pa.
Houston C. B. & Co. (Dealers), Franklin Bank bldg, Phila., Pa.
Houston Coal & Coke Co., Elkhorn, W. Va.
Hustead-Semans Coal & Coke Co., Uniontown, Pa.
Jamison Coal & Coke Co., Oliver bldg, Pittsburgh, Pa.
Keeley Jerome & Co. (Dealers), 421 Chestnut, Phila., Pa
Keister A. L. & Co. (also Coal), Scottdale, Pa.
Keystone Coal & Coke Co., Greensburg, Pa.
Louisville Coal & Coke Co., Goodwill, W. Va.
Loyal Hanna Coal & Coke Co., Loyal Hanna, Pa.
Lynchburg Coal & Coke Co., Lynchburg, Va.
McKeefrey & Co., Leetonia, O.
McKinney Steel Co., Perry Payne bldg, Cleveland, O.
Mabscott Coal & Coke Co., Macdonald, W. Va.
Macdonald Colliery Co., Macdonald, W. Va.
Marmet-Halm Coal & Coke Co., Union Trust bldg, Cincinnati, O.
Marshall F. W. & Co., Pennsylvania bldg, Phila., Pa.
Milwaukee Coke & Gas Co. (Foundry & Furnace & Domestic), 425 E. Water, Milwaukee, Wis.
Monessen Coal & Coke Co., Frick bldg, Pittsburgh, Pa.
Mudge Edmund W. & Co., Frick bldg, Pittsburgh, Pa.
National Fuel Co., Oliver bldg, Pittsburgh, Pa.
New Alexandria Coke Co., Greensburg, Pa.
Newcomer Coke Co., Uniontown, Pa.
New England Gas & Coke Co., 111 Devonshire, Boston, Mass.
New York & Phila. Coal & Coke Co., Produce Exchange, New York
Norton Coal Co., Norton, Va.
Oliver Iron & Steel Co., S. 10th & Muriel, Pittsburgh, Pa.
Orient Coke Co., Uniontown, Pa.
Peerless Coal & Coke Co., Vivian, W. Va.
Penn Coke Co., Uniontown, Pa.
**Pittsburgh Coal Co. (of Penn.), Oliver bldg, Pittsburgh, Pa.**
**Pocahontas Coke Co., Bluefield, W. Va.**
Pocahontas Fuel Co., Inc., Pocahontas, Va.
Producers Coke Co., Uniontown, Pa.
Prospect Coal & Coke Co., Searights, Pa.
Rainey W. J. ("Connellsville"), 52 Vanderbilt av, New York
Raleigh Coal & Coke Co., Raleigh, W. Va.
Reliance Coke Co., Frick bldg., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices, Alphabetical Section*
Roanoke Coal & Coke Co., Worth, W. Va.
Rochester & Pittsburgh Coal & Iron Co., Rochester, N. Y.
Rogers-Brown & Co., 77 Carew bldg, Cincinnati, O.
Semet-Solvay Co., Syracuse, N. Y.
Shenango Furnace Co., Oliver bldg, Pittsburgh, Pa.
Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.
Snyder W. P. & Co., Oliver bldg, Pittsburgh, Pa.
Spokane Gas & Fuel Co. (Gas Coke), Spokane, Wash.
Stauffer Jos. R., Scottsdale, Pa.
Stewart Iron Co., Cleveland, O., & Sharon, Pa.
Steubenville Coal & Mining Co., Steubenville, O.
Stonega Coke & Coal Co., Stonega, Va.
Struthers Coal & Coke Co., Citizens' bldg, Cleveland, O. Plant & Mine: Fairbank, Pa.
Taylor Coal & Coke Co., 819 Hickox bldg, Cleveland, O.
Tennessee Coal, Iron & R. R. Co., Birmingham, Ala.
Tidewater Coal & Coke Co., Vivian, W. Va.
Tyler Coal & Coke Co. (Dealers), Land Title bldg, Phila., Pa.
United Iron & Steel Co. (Foundry, etc), Cleveland, O.
U. S. Coal & Coke Co., Carnegie bldg, Pittsburgh, Pa.
Upland Coal & Coke Co., Upland, Pa., & Elkhorn, W. Va.
Virginia Iron, Coal & Coke Co. (Furnace & Foundry), Roanoke, Va.
Virginia & Pittsburgh Coal & Coke Co., Fairmont, W. Va.
Washington Coal & Coke Co., Dawson, Pa., & Pittsburgh, Pa.
Winona Gas Light & Coke Co., Winona, Minn.
Yolande Coal & Coke Co. (Foundry, etc), Birmingham, Ala.

## 2863— Coke (Metallurgical)

Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Semet-Solvay Co. ("Solvay"), Syracuse, N. Y.

## 2864—Coke Oven Construction

Koppers Co., The ("Kopper's" By-Product Plants), Union Arcade, Pittsburgh, Pa.
**LINK-BELT COMPANY** (For Crushing, Screening, Handling, etc., 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R Ry, Phila., Pa.
*See adv index at end of book*
Semet-Solvay Co., Syracuse, N. Y.
Warwick Construction Co., 1048 W. Harrison, Chicago, Ill.
Wilputte Coke Oven Corp., 469 5th av, New York

## 2865— Coke (Petroleum)

Atlantic Refining Co., 3144 Passyunk av, **Phila., Pa.**
National Refining Co., Rose bldg, Cleveland, O.
Tidewater Oil Co., 11 B'way, New York

## 2866— Colchicine

**Hoffmann-La Roche Chemical Works, 440 Washington, New York**

## 2867— Cold Shuts

American Logging Tool Co., Evart, Mich.
**American Mfg. Co., Chattanooga, Tenn.**
Dixie Logging Tool Co., Chattanooga, Tenn.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## Cold Storage Plant Construction

See Ice & Refrigerating Machines
Also Engineers, Refrigeration

## Collapsible Steel Centering

See Centering, Steel

## 2868—Collar Supports (Covered Wire)

Sachnoff G. & Co., 138 Mott, New York

## 2869— Collars (Axle)

Graham Nut Co., Pittsburgh, Pa.

## 2870— Collars (Dog)

Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.
Buchheimer Geo. H., 1004 Rutland av, Baltimore, Md.
Fritz Bros., Meriden, Conn.
Graham & Berwin, 107 Lafayette, New York
Libby, Harlow & Co., 250 Devonshire, Boston, Mass.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Scheffer & Rossum Co., 104 E. 10th, St. Paul, Minn.
Smith Jas. & Son, 40 Franklin av, Brooklyn, N. Y.
Stevens Walter B. & Son, 107 Chambers, New York
Union Hardware Co., Torrington, Conn.

## 2870a—*Collars (Horse, Cotton Duck)

**COUCH BROS. MFG. CO.**, Atlanta, Ga.

## 2871-2— Collars (Horse)

See also Harness, Saddles & Strap Work Mfrs.

### ARKANSAS.

LITTLE ROCK—Voss-Hutton Mfg. Co.

### CALIFORNIA.

LOS ANGELES—Los Angeles Saddlery & Finding Co.
SACRAMENTO—Van Voorhies A. A. & Co.
SAN FRANCISCO—Davis W. & Sons, 333 Market
Johnson F. S. Co., 576 Howard

### CONNECTICUT.

HARTFORD—Smith, Worthington Co.

### GEORGIA.

ATLANTA—**COUCH BROS. MFG. CO.** ("Lankford," "Gee Haw," "Samson")
BUFORD—Allen Bona
LAWRENCEVILLE—Allen Mfg. Co. (Cotton)
MACON—Bernd G. Co.

### ILLINOIS.

BENTON—Jackson A. D. Saddlery Co.
BLOOMINGTON—Green B. S. Co.
EAST ST. LOUIS—Albrecht H. & Co.
FREEPORT—Bowler & Jones
GALESBURG—Adams & Johnson Co.
LINCOLN—Lincoln, Ill. Collar Co. (Cork Faced)
OTTAWA—Bach M. W. & Co.
QUINCY—Schott J. B. Saddlery & Mfg. Co. ("Noxall")
Wolf Mfg. Co.
PEORIA—Case & Kroenlien
ROCKFORD—Hess & Hopkins Leather Co.

### INDIANA.

EVANSVILLE—Flickner J. O. & Sons
Indiana Collar Co.
FORT WAYNE—Racine F. L.
INDIANAPOLIS—Indianapolis Saddlery Co., 237 S Meridian
Rehfuss Martin Jr.

### IOWA.

BOONE—Goeppinger L. & H.
BURLINGTON—McConnell S. R. & I. C. Co.
CLINTON—Clinton Saddlery Co.
COUNCIL BLUFFS—Keller A. C. Collar Co.
DAVENPORT—Sears Saddlery Co.
DES MOINES—Des Moines Saddlery Co.
DUBUQUE—Hoffmann Paul
MUSCATINE—Van Nostrand Saddlery Co.
WATERLOO—Powers Mfg. Co. ("Humane")
Waterloo Saddlery Co.

### KANSAS.

ATCHISON—Atchison Saddlery Co.
LAWRENCE—Hermann John

### KENTUCKY.

EDDEYVILLE—Kentucky Whip & Collar Co.
LOUISVILLE—Harbison & Gathright
Miller Jno. Saddlery Co.

### LOUISIANA.

NEW ORLEANS—Rice Louis P & Co.
Whitney & Slop Co., Lt d. 732 Tchoupitoulas

### MARYLAND.

BALTIMORE—Lerch Bros., 114 Hanover

### MASSACHUSETTS.

BOSTON—Libby, Harlow & Co., 250 Devonshire
FITCHBURG — Thomson Alex (Steel Hameless)

### MICHIGAN.

DETROIT — Navion-Pierson,Hough Co., 158 Congress W
Pierson & Hough Co., 158 Congress W
SAGINAW—Koehler Bros. (Steel)
Morley Bros.

### MINNESOTA.

DULUTH—Marshall-Wells Co.
Schulze Leather & Findings Co.
MINNEAPOLIS—Dodson, Fisher, Brockman Co., 15 N 3d
ST. PAUL—Friend Chas. & Son, 243 Jackson.
Scheffer & Rossum Co., 104 E. 10th
WINONA—Minnesota Harness Factory

### MISSOURI.

CALIFORNIA—Heck Wm.
KANSAS CITY—Askew Saddlery Co.
ST. JOSEPH—Rossi Saddlery Co.
Wyeth Hardware & Mfg. Co.
ST. LOUIS—Burns P. Saddlery Co., 713 Lucas
Holthaus Saddlery Co., 1449 N 6th
Sickles J. B. Saddlery Co., 2100 Washington
Straus Saddlery Co., 27th & Locust
SPRINGFIELD—Hermann-Sanford Saddlery Co.

### NEBRASKA.

BLAIR—Blair Horse Collar Co.
LINCOLN—Harpham Bros. Co.
OMAHA—Haney J. H. & Sons.

### NEW YORK.

BATH—Bath Harness Co.
BUFFALO—Dorries & Co.
Smith Sons Harness Co.
NEW YORK—Cronin M. F., 369 Pearl
ROCHESTER—Welder John A. (Fire Dept.)
SYRACUSE—Appleby T. H. & Co.
Olmstead Co.
TROY—Curtis Mont G. Co.

### NORTH DAKOTA.

FARGO—Bristol & Sweet Harness Co.
North Dakota Harness Co.

### OHIO.

CINCINNATI—Graf-Morsbach Co., Flint & Wade
Grossman & Hooe Saddlery Co., 221 Main
Langenbrunner & Co., 315-17 Hammond
Perkins-Campbell Co., 622 B'way
CLEVELAND—Bellis Wm. L.
COLUMBUS—Sells J. H. & F. A. Co., Chestnut & Pearl
MARIETTA—Strecker Bros. Co.
SIDNEY—Given R. & Son Co.
TOLEDO—Quinn J. E.

### OREGON.

PORTLAND—McMonies W. H. & Co.
Sharkey P. & Son, 53 Union

### PENNSYLVANIA.

INDIANA—Robinsteen Collar & Leather Co.
PHILADELPHIA—Barry & McAlister, 233 Race
Hansell Wm. S. & Sons, 131 Market
YORK—Beard H. B. & Co.

### TENNESSEE.

CHATTANOOGA—Southern Saddlery Co.
NASHVILLE—Gray & Dudley Hardware Co.
Nashville Saddlery Co.
SHELBYVILLE—Robinson - McGill Mfg. Co.

### TEXAS.

DALLAS—Padgitt Bros. Co.
Schollkopf Co.
Tenison Bros. Saddlery Co.
PARIS—Paris Saddlery Co.
SAN ANTONIO—Frank L. Saddlery Co.
WACO—Padgitt Tom Co.

### UTAH.

SALT LAKE CITY—Salt Lake Hardware Co.

### VIRGINIA.

RICHMOND—Cottrell Saddlery Co.
Crump Benj. T. Co.

### WASHINGTON.

SEATTLE—Duncan & Sons

### WISCONSIN.

EAU CLAIRE—Schwahn-Seyberth Mfg. Co.
GREEN BAY—McIntyre-Burrall Co.
Kress Frank F.
MILWAUKEE—Wallace & Smith Co., 86 W Water
Young Benj. Co., 241 E Water

## 2873— Collars (Pole)

Goodell-Pratt Co., Greenfield, Mass.

## 2874—Collars (Rubber Swimming)

Tyer Rubber Co., Andover, Mass.

## 2875— Collars (Safety Set)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Hanson Clutch & Mchy. Co., Tiffin, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R Ry, Phila., Pa.
*See adv index at end of book*

## 2876— Collars (Shingle Saw)

Biegert J. C. Machine Works, Seattle, Wash.
Southern Saw Works, East Point, Ga.

## 2877—Collars (Spacing, for Milling Cutters)

Scully, Jones & Co., Railway Exchange bldg, Chicago, Ill.

## 2878-9— Collars (Split)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*

Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co. (Also Solid), Milwaukee, Wis.
Dodge Sales & Engineering Co. (Safety, for Shafting), Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Jeffrey Mfg. Co., 961 N. 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Link Chain Co., Williamsport, Pa.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Salem Foundry & Machine Works, Salem, Va.
Shaw Coupling Co. (Also Solid), Syracuse, N. Y.
Standard Pressed Steel Co. (Safety), 20th & Indiana, Phila., Pa.
Webster Mfg. Co., 4500 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. (Safety Set, also Solid), Chambersburg, Pa.
Yocom Jas. & Son (For Shafting), 145 N 2nd, Phila., Pa.

## 2880— Collars (Thrust)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
Continental Fibre Co., Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*

## 2881—Collars & Cuffs (Celluloid)

Celluloid Co. (Waterproof), 36 Washington pl, New York

## 2882— Collets

American Pneumatic Chuck Co (Air Operated), 9 So Clinton, Chicago, Ill.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 2883—Collets (Twist Drill, Etc.)

Brown & Sharpe Mfg. Co. (For Gear Cutting, Milling & Screw Machines), Providence, R. I.
Card S. W. Mfg. Co., Mansfield, Mass.
Cleveland Twist Drill Co. ("Paragon," for Flat Twist Drills; also for Turet Tool Holders), 1 E 49th, Cleveland, O.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
McCrosky Reamer Co. ("Wizard," "Quick Change"), Meadville, Pa.
Modern Tool Co. ("Magic"), 300 State, Erie, Pa. *See adv index at end of book*
Pratt & Whitney Co. (Bit Brace), Hartford, Conn.
Union Twist Drill Co. (Milling Machine & Blank Devices), Athol, Mass.
Waltham Screw Co., Waltham, Mass.
Whitney Mfg. Co. ("Presto" & Friction Tapping), Hartford, Conn.

## 2884— Collodion

New York Engravers' Supply (Photographic), 230 W 17th, New York

## Color Cards

See Paint Mfrs.' Color Cards

## 2885—Color Mfrs. & Importers

**See also Aniline Colors, Dyes and Dyestuffs**

Acme White Lead & Color Works, St. Aubin av & M. C. R. R., Detroit, Mich.
Adler Color & Chemical Works, 100 William, New York
Alston Lucas Paint Co., 1029 Currier, Chicago, Ill.
American Aniline Products Inc., 80 5th av, New York
Aniline Dyes & Chemicals Inc., 134 Cedar, New York
Ansbacher A. B. & Co. (Dry Colors), 527 5th av, New York
Atlas Co. (Dry), Lincoln, N. J.
Atlas Paint Co. (Dry Colors), Nashville, Tenn.
Ault & Wiborg Co. (Dry Color Mfrs.), Cincinnati, O.
Behrend, F., Inc. (Imptrs.), 170 Front, New York
Bielenberg A. Co., 69 Front, New York
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
Binney & Smith Co., 81 Fulton, New York
**BINSWANGER, B. & CO.**, 329 N 3rd, Phila., Pa.
**BREDT F. & CO.**, 240 Water, New York
*See adv index at end of book*
Briggs John & Co., 45 Purchase, Boston, Mass.
Cambria Paint & Color Co. (Ltd.) (Grinders of Paper & Pulp Colors, Colors in Oil, etc), Johnstown, Pa.
Campbell John & Co., 75 Hudson, New York
Cawley, Clarke & Co. (Pulp & Dry Colors, Chrome Yellow, etc), 278 Passaic, Newark, N. J.
Central Dyestuff & Chemical Co., Newark, N. J.
Chesapeake Oil Co., Ostend & Leadenhal Baltimore, Md.
Clinton Metallic Paint Co., Clinton, N. Y.
Commonwealth Color & Chemical Co. (Selling Agent), Nevins, Brooklyn, N. Y.
Cooker & Cooker, 23 Cliff, New York
Corona Chemical Co. (Dry), 213 Lake, Milwaukee, Wis.
Coulston J. W. & Co. (Dry Colors), 80 Maiden Lane, New York
Detroit White Lead Works, 560 E Milwaukee av. Detroit. Mich.
**DEVOE & RAYNOLDS CO., INC.**, 101 Fulton, New York
*See adv index at end of book*
Dick David & Broadfoot, Inc., 304 B'way, New York
Ditzler Color Co., 20 Baltimore av, W, Detroit, Mich.
Doggett, Stanley (Dry), 11 Cliff, New York
Drakenfeld B. F. & Co. (Imp), 50 Murray, New York
Du Pont (E. I.) de Nemours & Co. (Mfrs. Dry, in Oil & Japan), (Paint & Varnish Sales Div.), Wilmington, Del.
Dye Products & Chemical Co., Inc., 200 5th av, New York
Eakins, J. S. & W. R. (Dry Colors), 12 Wallabout, Brooklyn, N. Y.
Ehrmann Ludwig, 288 Bowery, New York
Fezandie Felix (Importer), 205 Fulton, New York
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
**FOX M. EWING CO.** (Dry & Water), 341 E 136th, New York
*See adv index at end of book*
French Samuel H. Co., 4th & Callowhill, Phila., Pa.
Fry Art Co. (Vitrifiable Colors), Great Neck, Long Island, N. Y.
Fuller, Ralph L. & Co., Inc., (Dry Colors), 81 Fulton, New York
General Commercial Co., Ltd., of U. S. (Imp. of Dry Colors), 295 B'way, New York
Glidden Co. (Dry Colors), Madison av. & Berea rd, Cleveland, O.
Hanover Chemical Works, Inc., 72 Cliff, New York
Harmon Color Works Inc. (For Ink, Paints Q Wall Paper), College Point, L. I., N. Y.
Harshaw, Fuller & Goodwin Co., Elec. bldg., Chicago, Ill.
Heller & Merz Co. (Aniline), 503 Hudson, New York
Herrmann Morris & Co., 200 5th av, New York
Hine Bros., 80 Maiden Lane, New York
Holliday Read & Sons, Ltd., 160 Franklin, New York
Huber Jos. M., 602 62nd, Brooklyn, N. Y.
Illinois Mineral Milling Co., E, St. Louis, Ill.
Imperial Color Wks. Inc. (Dry), Glen Falls, N. Y.
Jaenecke-Ault Co. (Dry & Pulp), Newark, N. J.
Jamaica Dyewood & Chemical Co. (Analine. etc), 50 Church, New York
Johnson Chas. E. & Co., 509 S 10th, Phila., Pa.
Kalle Color & Chemical Co. (Importers), 530 Canal, New York
Katzenbach & Bullock Co., 440 Washington, New York
Kohnstamm H. & Co., 89 Park pl, New York.
Kuttroff, Pickhardt & Co., Inc. (Jobbers), 128 Duane, New York
Lavanburg Fred'k L. (Importer), 100 William, New York
Lewis John T & Bros. Co., Lafayette bldg, Phila., Pa.
Longman & Martinez, 54 Maiden la, New York
Lucas John & Co., 322 Race, Phila., Pa.
**McNULTY JOSEPH A.**, (Importers, Red Oxide), 135 William, New York
*See adv index at end of book*
Macneal Jas B. & Co., Warner & Wooster, Baltimore, Md.
Marx Max Color & Chemical Co. (Ink, Paint & Paper), Irvington, N. J.
Mepham Geo. S. & Co. (Colors & Minerals), 20th & Lynch, East St. Louis, Ill.
Miller, Jos. B., Finance bldg, Phila., Pa. 21 Burling Slip, New York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OXIDE OF IRON ("Anchor Brand" Dry)
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**Mott Haven Color Works, 395 Mott av, New York**
**Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.**
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
National Sales & Trading Co., Cleveland, Ohio
**Nicol J. M. & J. S. (Pulp Colors), Hawthorne, N. J.**
**Osborn C. J. Co. (Imported Dry Colors), 132 Nassau, New York**
Oxidite Mfg. Co. (Dry),Arlington, Mass.
Patton Paint Co., 213 Lake, Milwaukee, Wis.
Peninsular Paint & Varnish Co., St. Aubin & M. C. R. R., Detroit, Mich.
Pfeiffer Color Co. (Dry), 100 William, New York
**Prince Mfg. Co. (Iron Oxides), 165 B'way, New York**
**Prince's Metallic Paint Co. (Oxide of Iron), Allentown, Pa.**
Rector Chemical Co., Inc. (Furdyes), 2 Rector, New York
Sartirius A. & Co. ("Oleo"), 57 Murray, New York.
**SCHEEL, WM. H.** (Importers, Dry Colors), 159 Maiden la, New York
*See adv index at end of book*
Senelith Ink Co., Inc. (Dry), 32 Greene, New York
**Sherwin-Williams Co., Cleveland, O.**
**Siegle G. Co. (Dry Colors), Rosebank, Borough of Richmond, New York**
**Siemon & Elting, 99 Nassau, New York**
**Sinclair & Valentine Co., 611 W 129th, New York**
**Standard Ultramarine Co. (Ultramarine Blues), Huntington, W. Va.**
**Toch Bros., 320 5th av, New York**
**Uhlich Paul & Co. (Dry Colors, etc), 11 Cliff, New York**
**Ulster Paint Works (Dry Colors), Ellenville, N. Y.**
**United Color & Pigment Co. (Dry & Pulp), Waverly, Newark, N. J.**
**Valentine & Co., 456 4th av, New York**
**Waddell R. J. & Co. (Imp. Dry Colors), 52 Beekman, New York**
Waldo E. M. & F. (Selling Agts.), 11 B'way, New York
**Watson J. D. & Co., New Brunswick, N. J.**
Westmoreland Chemical & Color Co., S E cor. 22nd & Westmoreland, Phila., Pa.
**Wilhelm A. Co. (Dry, Pulp & in Oil), Reading, Pa.**
**Willey C. A. Co. (Dry Colors), Hancock Long Island City, N. Y**
**WILLIAMS C. K. & CO.** ("Anchor Brand," Miners & Exporters), Easton, Pa.
*See adv index at end of book*
**Wix Chas. & Co., 45 Vesey, New York**
**Woodhouse Sam'l F., Unity & Franklin, Phila., Pa.**
**Wood's Henry Sons Co. (Dry Color Mfrs.), Wellesley, Mass.**

## 2886—*Color Matching Outfits

**GENERAL ELECTRIC CO.,** Schenectady N. Y. *See adv index at end of book*
Ullmann Mfg. Co., 338 E 59th, New York

## 2886a— Colorimeters

Bausch & Lomb Optical Co., Rochester, N. Y.
Daigger A. & Co., 54 W. Kinzie, Chicago, Ill.
Eimer & Amend, 205 3d av, New York
Scientific Utilities Co., Inc., 18 E 16th, New York

## 2887—Coloring (Incandescent Lamp)

Agens & Co., 219 Market, Newark, N. J.
Arts Electric Co. (Safety Frost Harmless Chemical Preparations), Troy, N. Y.
Barrett M. L. & Co., 233 W Lake, Chicago, Ill.
Brunner Chemical Works ("Queen"), 217 E 3rd, Cincinnati, O.
Egyptian Lacquer Mfg. Co., 23 Liberty, New York
Franche C. E. & Co. ("Permacolor" "Cefco" "Franco"), 440 Orleans, Chicago, Ill.
McGill Mfg. Co. ("Crescent"). 77 Oak, Valparaiso, Ind.
*See adv index at end of book*
**Opal Chemical Co., Kenilworth, N. J.**
Paragon Electric Co. (Frostings, etc., Jobbers), 329 E 5th, New York
**Union Elec. Co., 3721 Grant blvd, Pittsburgh, Pa.**
**Universal Electric Stage Lighting Co. ("Signaloid," "Kliegl Bros."), 240 W 50th, New York**
Waldman, John J., 64 Murray, New York
Webster Chemical Co., St. Paul, Minn.
Williams Guy V Co., Inc. ("Super-Frost" "Wilco Colorine" Coatings for Acid Etching Glass), 686 Eleventh av, New York

## 2887a— Colors (Acid)

**BUTTERWORTH-JUDSON CORP.,** 61 Broadway, New York
*See adv index at end of book*
Campbell John & Co., 75 Hudson, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Dicks David Co., Inc., Varick & N Moore, New York
Dye Products & Chemical Co., Inc., 200 5th av, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*

## 2888— Colors (Alizarine)

**American Aniline Products Inc., 80 5th av, New York**
**Bayer Co., 117 Hudson, New York**
**Berlin Aniline Works (Imp), 213 Water, New York**
**Bischoff C. & Co. (Imported), 451 Washington, New York**
Dicks David Co., Inc., Varick & No Moore, New York
Dunker & Perkins (Distributors), 287 Atlantic av, Boston, Mass.
**Dye Products & Chemical Co., Inc., 200 Fifth ave, New York**
Farbwerke-Hoechst Co., 122 Hudson, New York
Imperial Color Works, Glen Falls, N. Y.
National Aniline & Chemical Co., 21 Burling Slip, New York
**Rice Edw. E. & Co. ("E. Ruch & Co." Imported), 620 Atlantic av, Boston, Mass.**
Thayer E. M. & Co., 36 Purchase, Boston, Mass.
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*

## Colors (Aniline)

See Aniline Colors, Dyes & Dyestuffs

## 2888a— Colors (Basic)

Am. Aniline Products, Inc., 80 Fifth av, New York
**BUTTERWORTH-JUDSON CORP.,** 61 Broadway, New York
*See adv index at end of book*
Campbell John & Co., 75 Hudson, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Dicks David Co., Inc., Varick & N Moore, New York
Dye Products & Chemical Co., Inc., 200 5th av, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*

## 2889— Colors (Butter)

Burrell D. H. & Co. ("Hansen's" Danish), Little Falls, N. Y.
Hansen's Chr. Laboratory, Little Falls, N. Y.
Heller & Merz Co. ("Alderney"), 503 Hudson, New York
International Extract & Color Co., Utica, N. Y.
Kohnstramm H. & Co., 89 Park pl, New York
Thatcher Mfg. Co., Elmira, N. Y.

## 2889a— Colors (Carbon Paper)

McNulty Joseph A., 135 William, New York. *See adv index at end of book*

## 2889b— Colors (Cement)

Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
McNulty, Joseph A., 135 William, New York. *See adv index at end of book*
**SPECIAL SERVICE FLOORING CORP.,** 2039 Grand Central Terminal, New York *See adv index at end of book*
Toch Bros., 320 5th av, New York

## 2889c— Colors (Ceramic)

Drakenfeld B F & Co., 50 Murray, New York
Hachmeister-Lind Chem. Co., Pittsburgh, Pa.
**HANOVIA CHEMICAL & MANUFACTURING CO.** (Lusters), 100 Chestnut, Newark, N. J.
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, Ohio
Roessler & Hasslacher Chem. Co., 709 6th av, New York
Stresen-Reuter & Hancock Inc., 122 S Michigan av, Chicago, Ill.

## 2889d— *Colors (Chromo)

See also Particular Color
**BUTTERWORTH-JUDSON CORP.,** 61 Broadway, New York
*See adv index at end of book*

## 2890— Colors (Coal Tar)

See Also Coal Tar Products
American Aniline Products Inc., 80 5th av, New York
Campbell John & Co., 75 Hudson, New York
Central Drystuff & Chemical Co. (For Textile Trade), Newark, N. J.
Hanover Chemical Works, Inc., 72 Cliff, New York

## 2890a— Colors (Cochineal)

Kohnstamm H. & Co. (No. 40 Carmine), 89 Park pl, New York

## 2890b— Colors (Confectioners)

Bush W. J. & Co., Inc., 100 William, New York
Henderson Thos. & Co., Inc., 14 Cliff, New York
Kohnstamm H. & Co., 89 Park pl., New York
Nat'l. Aniline & Chem. Co., Inc., 21 Burling slip, New York
Nat'l Gum & Mica Co., 59th & 11th av, New York

## 2890c— Colors (Direct)

**Am. Aniline Products, Inc., 80 Fifth av, New York**
Campbell John & Co., 75 Hudson, New York
**Central Dyestuff & Chemical Co., Newark, N. J.**
Dicks David Co., Inc., Varick & N Moore, New York
**Monroe Color & Chemical Co., Quincy, Ill.**
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Peerless Color Co., Bound Brook, N. J.
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*

## Colors Dry

See Color Mfrs. & Importers

## 2890d— Colors (Earth)

McNulty, Joseph A., 135 William, New York. *See adv index at end of book*

## 2890e— Colors (Enamel)

Drakenfeld B. F. & Co., 50 Murray, New York
Stresen-Reuter & Hancock, Inc., 122 S Michigan av, Chicago, Ill.

## 2890f— Colors (Food)

Kohnstamm H. & Co. (Certified), 89 Park pl, New York

## 2891— Colors (Fresco)

**Devoe & Raynolds Co. Inc. ("Florentine" for Fresco & Scene Painting), 101 Fulton, New York**
*See adv index at end of book*
**Harmon Color Works Inc., College Point, L. I., N. Y.**
**Longman & Martinez, 54 Maiden la, New York**

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Lucas John & Co., 322 Race, Phila., Pa.
Wadsworth-Howland & Co., 141 Federal. Boston, Mass.

## 2891a— Colors (Ink)

Ansbacher A. B. & Co., 527 5th av, New York
Central Dyestuff & Chemical Co. (Writing & Printing), Newark, N. J.
Marx Max Color & Chemical Co., Irvington, N. J.
Siegle G. Co., Rosebank, N. Y.

## 2891b— Colors (Iron Blue)

United Color & Pigment Co. (Prussian, Milon, Chinese & Bronze), Waverly Newark, N. J.

## 2891c— Colors (Lake)

Binney & Smith Co., 81 Fulton, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Imperial Color Works, Inc., Glen Falls. N. Y.
Nat'l. Gum & Mica Co., 59th & 11th av, New York
United Color & Pigment Co. (Red, Blue Yellow & Green), Waverly, Newark, N. J.
Waldo E. M. & F., 11 B'way, New York

## 2891d— Colors (Leather)

**McNULTY, JOSEPH A.,** 135 William, New York. *See adv index at end of book*

## 2891e— Colors (Linoleum)

McNulty, Joseph A., 135 William, New York. *See adv index at end of book*

## 2891f— Colors (Mineral)

Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Waldo E. M. & F. (Selling Agents), 11 B'way, New York

## Colors (Oil)

See Color Mfrs. & Importers; also Paints Oil.

## 2891g— Colors (Paint)

**McNULTY, JOSEPH A.,** 135 William, New York. *See adv index at end of book*

## 2891h— Colors (Printing Ink)

McNulty, Joseph A., 135 William, New York. *See adv index at end of book*

## 2892— Colors (Pulp)

Adler Color & Chemical Works, 100 William, New York
Crescent Color & Chemical Wks (For Wall Paper Mfrs.), 59th & 11th av, New York
Devoe & Raynolds Co. Inc., 101 Fulton, New York
***See adv index at end of book***
Harmon Color Works Inc., College Point, L. I., N. Y.
Imperial Color Works, Glens Falls, N. Y.
Jaenecke-Ault Co., Newark, N. J.
Kohnstamm H. & Co., 89 Park pl, New York
Lucas John & Co., 322 Race, Phila., Pa.
Marx Max Color & Chemical Co., Irvington, N. J.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
United Color & Pigment Co., Waverly, Newark, N. J.

## 2892a—Colors (Rubber Makers)

McNulty Joseph A, 135 William, New York. *See adv index at end of book*

## 2893— Colors (Soap)

Campbell John & Co., 75 Hudson, New York
Central Dyestuff & Chemical Co., Newark, N. J.
Dunker & Perkins (Distributors), 287 Atlantic av, Boston, Mass.
Lueders Geo. & Co. (Imported), 218 Pearl, New York

## 2893a— Colors (Soluble Oil)

Am. Aniline Products, Inc., 80 Fifth av, New York
Dicks David Co., Inc., Varick & No Moore, New York

## 2894— Colors (Steel)

Adler Color & Chemical Works, 100 William, New York
Doggett Stanley, 11 Cliff, New York
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.

## 2895— Colors (Sulphur)

Alliance Chemical Ca., 176 Federal, Boston, Mass.
American Aniline Products Inc., 80 5th av, New York
American Textile Dyestuffs Corp., Belleville, N. J.
Aniline Dyes & Chemicals Inc. (Blacks, Blues, Brown, etc), 134 Cedar, New York
Berlin Aniline Works (Imp.)(Black, Blue, Brown, Green & Yellow), 213 Water, New York
Bischoff C. & Co. (All Colors), 451 Washington, New York
Campbell John & Co., 75 Hudson, New York
Debrook Co., Inc., 15 Park Row, New York.
Dicks David Co., Inc., Varick & No Moore. New York
Hine Bros. (Hybro), 80 Maiden Lane, New York
Hoffman & Kropff Chemical Co., Porter av, Brooklyn, N. Y.
Kuttroff Pickhardt Co., Inc. (Selling Agents), 128 Duane, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Nitrated Chemicals Co., Inc. (Black) Lorain, O.
National Aniline & Chemical Co., Inc. (Mfrs.), 21 Burling slip, New York
Sykes Walter F & Co. (Imp.), 8 Lispenard, New York
Williamsburg Chemical Co., 230 Morgan av, Brooklyn, N. Y.
Wright Chemical Corp., 38 Park row, New York

## 2895a— Colors (Wood Stain)

Central Dyestuff & Chemical Co., Newark, N. J.

## 2896—Colors & Fillers (Paper Makers')

Campbell John & Co., 75 Hudson, New York
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Harmon Color Works Inc., College Point, L. I., N. Y.
Imperial Color Works, Glens Falls, N. Y.
Kuttroff Pickhardt & Co., Inc. (Selling Agents), 128 Duane, New York
Lucas John & Co., 322 Race, Phila., Pa.
**McNULTY JOSEPH A.,** 135 William, New York. *See adv index at end of book*
United Color & Pigment Co., Waverly, Newark, N. J.
**WILLIAMS C. K. & CO., Easton, Pa.**
***See adv index at end of book***

## 2897— Column Coverings

A. B. Fireproofing Co., 64 W Randolph, Chicago, Ill.
Gypsite Fireproofing Co. ("Gypsite"), Penobscot bldg., Detroit, Mich.
U. S. Gypsum Co. ("Pyrobar"), 205 W Monroe, Chicago, Ill.

## 2897a— Columns (Absorbing)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Fdy. & Machine Co., 65 Winchester, Buffalo, N. Y.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Green Samuel M Co., Springfield, Mass.
Oat Joseph & Sons, 232 Quarry, Phila., Pa.
Roos Chas. A., 429 E 91st, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 2898— Columns (Cast Iron)

See also Firms in Iron, Architectural & Ornamental Marked with a (*) Star
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Ernst's Chas. F. Sons, Buffalo, N. Y.
Republic Structural Iron Wks Co., 1350 E 53d, Cleveland, O.
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48, Clybourn av, Chicago, Ill.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 2899—Columns (Cast Iron Pipe)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Republic Structural Iron Wks, 1350 E 53d, Cleveland, O.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 2900—Columns (Concrete Reinforced)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Concrete Steel Co., 42 B'way, New York
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Kalman Paul J. Co. Inc., 22 W Monroe, Chicago, Ill.
Republic Structural Iron Wks Co., 1350 E 53d, Cleveland, O.
**Smith F. P. Wire & Iron Works (Spiral),** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
U. S. Column Co. ("Lally"), Cambridge, Mass.

## 2900a— Columns (Distilling)

Badger, E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Detroit Heating & Lighting Co., Detroit, Mich.
Devine J. P. Co., Buffalo, N. Y.
Green Samuel M., Co., Springfield, Mass.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Oat Joseph & Sons, 232 Quarry, Phila., Pa.
Roos Chas A., 429 E 91st, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 2901— Columns (Fire Proof)

Pfaff & Kendall ("Hercules"), 655 Ferry, Newark, N. J.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
U. S. Column Co. ("Lally"), Cambridge, Mass.

## 2902—Columns (Mercury Testing)

Feather N. B. ("Feather"), Hackett, Newark, N. J.
Garrison Brass & Machine Works, 107 W 13th, New York
Helland Geo. W. ("Beekman"), 107 W 13th, New York

## 2903— *Columns (Metal)

**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 2904—Columns (Porch, Pressed Steel)

Union Metal Mfg. Co. ("Union"), Canton, O.

## 2905—Columns (Porch & Interior, Wood)

American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.
American Veneer Column Co. ("Lupos" Veneered), 913 Grand, Brooklyn, N. Y.
Booth Column Co. (Wholesale Mfrs.), Toledo, O.
Bossert Louis & Son (Wholesale Mfrs.), 1335 Grand, Brooklyn, N. Y.
Bryson City Pump Works Co. (Solid Bored Colonial Columns), Bryson City, N. C.
Brockway-Smith Corp., 98 Canal, Boston, Mass.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Iowa
Carr & Baal Co., Des Moines, Ia.
Carter Mfg. Co., Keokuk, Ia.
Central Wood Turning Co., 610 N E Main, Minneapolis, Minn.
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Cleveland Column Co. ("Popular"), 1826 Columbus rd, Cleveland, O.
Crandall G. H. Co., Cohoes, N. Y.
Cream City Sash & Door Co. (For the Trade Only), 601 Park, Milwaukee, Wis.
Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Ia.
Curtis, Towle & Paine Co. (Wholesale Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Del' Isle S. G. (Mfrs. Agts.), 337 Carondelet, New Orleans, La.
Detroit Column & Mfg. Co. (Lock Joint), Holden & M C, Detroit, Mich.
Dickey A. & Co. (Piazza, etc., Wholesale), 37 Bristol, Boston. Mass.
Dixon Lumber & Millwork Co., Weldon, N. C.
Doane & Jones Lumber Co. (Perfect Joint), Elmira, N. Y.
Falls City Lumber Co. (Of Fir Lumber), Portland, Ore.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Fitzgerald-Speer Co. ("Cummins" Steel Bound), Pen Argyl, Pa.
Gauger Jno. A. & Co. (For the Trade Only), 1434 W 22d, Chicago, Ill.
Gordon Vantine Co., Davenport, Ia.
Grand Rapids Lumber Co., Grand Rapids, Mich.
Grays Harbor Commercial Co., foot of 3rd, San Francisco, Cal.
Wilkinson Allen A. Lumber Co., Indianapolis, Ind.
Hartmann Sanders Co. ("Koll's" Lock Joint), 2155 Elston av, Chicago, Ill.
Holland-Cook Mfg. Co., Tacoma, Wash.
Hyde-Murphy Co., Ridgway, Pa.
Iroquois Door Co. (Wholesale Mfrs.), Buffalo, N. Y.
Koll A. J., Los Angeles, Cal.
Lawrence, P. M. Co. (Wholesale Mfrs.), Augusta, Me.
Lecoutour Bros. Stair Mfg. Co., 4523 Shaw av, St. Louis, Mo.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
McClelland T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
McMillen R. Co. (For the Trade Only), Oshkosh, Wis.
Morgan Sash & Door Co. (For the Trade Only), 2287 Blue Island av, Chicago, Ill.
National Sash & Door Co. (Wholesale Mfrs.), N Dupre Toulouse & in Div. New Orleans, La.
Nelson Lumber & Mfg. Co., 323 Dublin av, Columbus, O.
Nickerson Mfg. Co. ("Nickerson" Double Lock Joint), Knoxville, Tenn.
Ohio Scroll & Lumber Co., Covington, Ky.
Pacific Mutual Door Co., Tacoma, Wash.
Paine Lumber Co., Ltd. (For the Trade Only), Oshkosh, Wis.
Peirce W. E. & Co. (Wholesale Mfrs.), Millford, N. H.
Riggs Cypress Co., Ltd. (Wholesale Mfrs.), Patterson, La.
Rittenhouse Bros., Cadiz, O.
Roberts Sash & Door Co. (For the Trade Only), 920 W 20th, Chicago, Ill.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
Rockwell Mfg. Co. (For the Trade Only), 572 Park, Milwaukee, Wis.
Saco Mfg. Co. ("Colonial"), Saco, Me.
St. Louis Sash & Door Works (For the Trade Only), B'way & Destrehan, St. Louis, Mo.
Sanders Bros. Mfg. Co. (Wholesale Mfrs.), Ottawa, Ill.
Schaefer Louis (Colonial), 1444 W 21st, Chicago, Ill.
Schwerd A. F. Mfg. Co., North Side, 145 McClure, Pittsburgh, Pa.
Seattle Cedar Lumber Mfg. Co., Seattle, Wash.
Somerset Door & Column Co., Somerset, Pa.
Springfield Planing Mill & Construction Co., Springfield, Mo.
**STEARNS A. T. LUMBER CO.,** 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Washington Mfg. Co. ("Samson"), Tacoma, Wash.
Huttig Mill Wk. Co., Kansas City, Mo.
Whatcom Falls Mill Co. (Red Cedar for Trade Only), Bellingham, Wash.
Wheeler-Osgood Co. (Fir), Tacoma, Wash.
Zimmerman Chas. E., 204 Burnet av. Syracuse, N. Y.

## 2906— Columns (Steel Pipe)

Acme Column Co. (Filled with Concrete), 122 Newton, Brooklyn, N. Y.
American Column Co. (Steel Sewed Stay Locked), Battle Creek, Mich.
Atlas Steel Column Mfg. Co. (Filled with Concrete), 212 N 10th, Brooklyn, N. Y
Mostberger Iron Co., 878 S Division, Buffalo, N. Y.
National Tube Co. ("National"), Frick bldg, Pittsburgh, Pa.
U. S. Column Co. ("Lally" Concerte Filled), Cambridge, Mass.

## 2906a— Comb & Brush Sets

Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York. *See adv index at end of book*

## 2906b— Comb Cleaners

The Arlington Works (E. I. du Pont De Nemours & Co., Wilmington, Del.

## 2907— Combs (Aluminum)

Aluminum Goods Mfg. Co., Manitowac, Wis.
Illinois Pure Aluminum Co., Lemont, Ill.
Union Aluminum Co., Doylestown, O.

## 2908— Combs (Celluloid)

Bachmann Bros., 609 Commerce, Phila., Pa.
Bay State Comb Co., Leominster, Mass.
Blodgett B. F. & Co. (Back & Side), Leominster, Mass.
Bolle R. Mfg. Co., 99 Stewart, Providence, R. I.
Celluloid Co., 36 Washington pl, New York
Earl W. D. Co., Leominster, Mass.
Fitchburg Horn Goods Co., Fitchburg, Mass.
Howe Comb Co. (& Novelties), Leominster, Mass.
Kingman E. B. Co., Leominster, Mass.
Leominster Shell Goods Mfg. Co., Leominster, Mass.
Puritan Comb Co., Leominster, Mass.
Royal Comb Co., Leominster, Mass.
Standard Comb Co., Leominster, Mass.
Wagner Comb Mfg. Co., Myrtle av, Brooklyn, N. Y.

## 2908a— Combs (Hair)

See also Combs, Various Kinds

American Hard Rubber Co., 19 Mercer, New York
The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Walton, Jacob W. Sons, 1615 Ruan, Phila., Pa.

## 2909— Combs (Hair Drying)

Nicol & Co. ("Queen"), 218 N Jefferson, Chicago, Ill.

## 2910— Combs (Horn)

Athol Comb Co., Athol, Mass.
Diadem Mfg. Co., Fitchburg, Mass.
Horn Products Co., Leominster, Mass.
Noyes Comb Co., Binghamton, N. Y.
Wilcox Joseph, Athol, Mass.

## 2911— Combs (Mane)

Covert Saddlery Works, Interlaken, N. Y.
Rubber & Celluloid Products Co. (Hard Rubber "Albright" Round & Beaded Wire, White Celluloid & "Walker's" Rubber Compound), 56 Ferry, Newark, N. J.
Walton Jacob W. Sons, 1615 Ruan, Phila., Pa.

## 2912—Comealongs or Wire Pullers

See also Grips, Cable

B-R Electric ("Penna," Tightener), Kansas City, Mo.
Burr Mfg. Co., Whitney Power blk, Cleveland, O.
Dicke Tool Co. ("Howe"), Downers Grove, Ill.
Eureka Fence Mfg. Co. ("Sedgwick"), Richmond, Ind.
Eureka Co. ("Parallel," "Westfield"), North East, Pa.
Irvington Mfg. Co., Irvington, N. J.
Klein, Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Nagel W. G. Elec. Co., Toledo, O.
Norris Electric Specialties Co., 126 Liberty, New York
Rittenhouse A. F. Co., Honeoye Falls, N. Y.
Sawyer C. L., Miller's Falls, Mass.
Smith & Hemenway Co., Inc., 261 H B'way, New York, & 130 H Colt, Irvington, N. J.
*See adv index at end of book*
Union Elec. Mfg. Co., Pekin, Ill.
Western Electric Co. ("Buffalo Grip"), 463 West, New York

## Commutator Building & Refilling

See Armature Rewinding & Commutator Refilling

## Commutator Copper

See Copper for Commutator Bars

## Commutator Dressing

See Compounds, Commutator

## Commutator Segments

See Bars, Commutator

## 2913—Commutator Truing Device

Fort Wayne Electric Works of General Electric Co., Fort Wayne, Ind.
Jordan Bros., 74 Beekman, New York

## 2914— Commutators

See also Armatures

Bissell F. Co. (Bissell), Toledo, Ohio.
Boston Armature Wks., 77 Washington, Boston, Mass.
Cameron Electric Mfg. Co. ("Cameron"), Ansonia, Conn.
Cleveland Armature Wks., 4736 St. Clair av, Cleveland, Ohio
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Columbus Electrical Works Co., 247 North Front, Columbus, O.
Crouse-Hinds Co. (Gas Engine), Syracuse, N. Y.
Doubleday-Hill Elec. Co., 719 Liberty av, Pittsburgh, Pa.
**Electric Materials Co., North East, Pa.**
Electrical Mfrs. Equipment Co. (Brass), 712 Postal Telegraph bldg., Chicago, Ill. *See adv index at end of book*
Eureka Co., North East, Pa.

Forsyth Electric Co., Seattle, Wash.
Gee Electric Co., Wheeling, W. Va.
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*
Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.
Homer Commutator Co., 4748 Hough av N E, Cleveland, O.
Kendrick-Davis Co. (Mica Insulating, "K.-D."), Lebanon, N. H.
Ridlon Frank Co., 251 A, Boston, Mass.
Sackett Mine Supply Co., 164 N 3d, Columbus, O.
Toledo Standard Commutator Co., Toledo, Ohio
Traction Materials Co., 501 5th av, New York
Wente Electric Co., Hamilton, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 2914a— Comparators

Bausch & Lomb Optical Co., Rochester, N. Y.
Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.
Scientific Utilities Co., 18 E 16th, New York
Weston-Electrical Instrument Co., Waverly Park, Newark, N. J.

## 2914b—Compasses (Aeroplane)

Cummings Ship Instrument Works (Importers), 110 High, Boston, Mass.
Sherman Eugene M., Bellevue, Wash.
Sperry Gyroscope Co., 40 Flatbush av Extension, Brooklyn, N. Y.
Taylor Instrument Co., Rochester, N. Y.

## 2915—Compasses (Blackboard)

**ESTES E. B. & SONS**, 364 5th av, New York *See adv index at end of book*
Hammett J. L. Co., Kendall sq, Cambridge, Mass. *See adv index at end of book*

## 2916—Compasses (Carpenters', Etc.)

Athol Machine Co., Athol, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Pfister Wm. H., 230 W 4th, Cincinnati, O.
Prince L. M. Co., 108 W 4th, Cincinnati, O.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Schollhorn Wm. Co., New Haven, Conn.
Schuette Recording Compass Co. (Marine Recording), Manitowoc, Wis.
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 2916a— Compasses (Saddlers)

Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*

## 2917 Compasses (Ship, Etc.)

Benson Electric Co. (Recording), Superior, Wis.
Bliss John & Co., 128 Front, New York
Durkee Chas. D. & Co. (Dry & Liquid), 2 South, New York
Kelvin & Wilfred O. White Co., 112 State, Boston, Mass.
Laughlin Thos. Co. (Dry & Liquid), Portland, Me.
Marine Compass Co., Bryantville, Mass.
Merrill's R. Sons, 66 South, New York
Nautical Instruments Mfg. Co., Inc., 47 West, New York
Negus T. S. & J. D., 140 Water, New York
Ritchie E. S. & Sons (Liquid Marine), Brookline, Mass.
Schuette Recording Compass Co. (Marine Recording), Manitowoc, Wis.
Sherman Eugene M., Bellevue, Wash.
Sperry Gyroscope Co. (Gyroscopic Aeroplane, Marching), 49 Flatbush av Extension, Brooklyn, N. Y.
Wilcox, Crittenden & Co., Inc. (Liquid), Middletown, Conn.
*See adv index at end of book*

## 2918—Compasses (Surveyors' & Engineers')

Dietzgen Eugene Co. ("Economy" Beam), 166 W Monroe, Chicago, Ill.
Elliott B. K. Co. (Railroad, Surveying, Miners' etc), 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Gurley W. & L. E. (Railroad, Vernier, Plain, Pocket Dip & Needle, etc), Troy, N. Y.
Hand John & Sons Co. (Spirit & Dry), 208 Chestnut, Phila., Pa.
Keuffel & Esser Co. (Also Hunters' Pocket Compasses), Hoboken, N. J.
Marble Arms & Mfg. Co. ("Marble's" Handy for Hunters, etc), Gladstone, Mich.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

## 2919— *Compensarcs

**GENERAL ELECTRIC CO.** (For Motion Picture Projection), Schenectady, N. Y. *See adv index at end of book*

## 2920—*Compensators (Arc Lamp)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

## 2920a—*Compensators (Automatic)

Electric Controller & Mfg. Co., Cleveland, O. *See adv index at end of book*

## 2921— Compensators (Gas)

Isbell-Porter Co., 46 Bridge, Newark, N. J.

## 2921a—*Compensators (Motor Starting)

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 2922— Compositions (Buffing)

See Tripoli; also Rouge

American Tripoli Co. ("Tripoli Flour"), Seneca, Mo.
Bennett-O'Connell Co., 3600 S Morgan, Chicago, Ill.
Bennett & Seeley, Inc., Bridgeport, Conn.
Burns E. Reed (Tripoli, Crocus Rouge, "Star" White Metal), 27 Jackson, B'klyn, N. Y.
Day S. A. Mfg. Co. ("Crescent X X" White Finish), 1483 Niagara, Buffalo, N. Y.
Egyptian Lacquer Mfg. Co., 23 Liberty, New York
General Platers' Supply Co. (crocus, tripoli, rouge), 489-493 Broome, New York
Hanson & Van Winkle Co. ("Acme"), 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
**HILL & GRIFFITH CO.** (White Finish, "Tripoli"), 1248 State av, Cincinnati, O.; Birmingham, Ala.; Chicago, Ill., Pittsburgh, Pa.
*See adv index at end of book*
Lyman John R. Co. (Rouge), Springfield, Mass.
Matchless Metal Polish Co. ("White Diamond" for All Metals, Hard Rubber, etc.), 151 Varick, New York
Munning A. P. & Co., Matawan, N. J.
New York Buff Co., 202 Centre, New York
Oriental Rouge Co. (Rouge), Bridgeport, Conn.
Rhodes Jas. H. & Co. (Glass Polishing Rouge, etc.), 2810 S Albany, Chicago, Ill.
Stevens Frederic B., 3d & Larned, Detroit, Mich. *See adv index at end of book*
Union Polish Co., 80 Barclay, New York
U. S. Chemical Co. ("U. S." Brand, White Finish), 3621 Lakeside av, N E, Cleveland, O.
Warren Products Co., 265 Canal, New York *See adv index at end of book*
Wiarda John C. & Co. (Rouge, Tripoli Composition, etc), 273 Greene, Brooklyn, New Yark

## 2922a—Compositions (Cold Moulded)

Boonton Rubber Co., Boonton, N. J.
General Insulate Co., Springfield, Mass.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*

## 2922b—Compositions (Hand Moulded)

Auburn Button Co., Auburn, N. Y.
Scranton Button Co., Scranton, Pa.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*

## 2922c—Compound (For Greaseproofing & Waterproofing Paper)

Nash Engineering Co. ("Xyloform"), So Norwalk, Conn.

## 2923—Compound Tables (Drilling Machine)

Hoefer Mfg. Co., Freeport, Ill.
Rockford Machine Tool Co., Rockford, Ill.

## 2924—Compounds (Acid Tank Lining)

Ohmlac Mfg. Co. ("Ohmlac"), 140 S Dearborn, Chicago, Ill.
Universal Coatings Corp. ("Maritimo"), 104 Broad, New York.
Universal Coatings Corp., 44 Pearl, New York

## 2925—Compounds (Anti-Freezing)

Northwestern Chemical Co. ("Thermite," "Twelve-Twenty"), Marietta, O.

## Compounds (Boiler)

See Boiler Compounds

## 2926— Compounds (Brazing)

See also Compounds, Welding

A. & J. Mfg. Co. ("Braziron," for Cast Iron), 559 W Lake, Chicago, Ill.
American Ferrofix Brazing Co., Perry bldg, Phila., Pa.
Anti-Borax Compound Co. ("E-Z"), Ft. Wayne, Ind.
Cortland Specialty Co. ("Banner"), Cortland, N. Y.
Dixon Joseph Crucible Co., Jersey City, N. J.
Ferrofix Brazing Co., 225 S 24th, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Krembs & Co. ("Fluxine"), 173 N Green, Chicago, Ill.
National Rubber Specialties Co. ("High Pressure"), Cincinnati, O.
Oldham New York Saw Wks. Inc. ("Oldham"), 112 26th, Brooklyn, N. Y.
Phillips-Laffitte Co. ("Laffitte," "Unifonte"), Penna. bldg., Phila., Pa.
Standard Brazing Co., 45 Bromfield, Boston, Mass.
Standard Mfg. Co., 318 S Canal, Chicago, Ill.
Tip-It, Inc., 120 B'way, New York
Universal Fluxine Co. ("Universal Fluxine Acme"), Urbana, O.

## Compounds (Buffing)

See Compositions, Buffing

## 2927— Compounds (Cable)

Mitchell-Rand Mfg. Co. (For Potheads & Terminals), 18 Vesey, New York
Standard Paint Co. ("S. P. C."), 233 Broadway, New York

## 2928—Compounds (Car Cleaning)

Becker Chemical Co., 19 Main, Cincinnati, O.
Cleanola Co., Fulton bldg, Pittsburgh, Pa.
Idealo Co., Bourse bldg., Phila., Pa.
Imperial Car Cleaner Co., 115 Chestnut, Newark, N. J.
India Alkali Works ("The Savogran"), 28 India Wharf, Boston, Mass.
Modoc Co. ("Perfectol" Car, Locomotive & Signal Blade, Cleaner & Renovator), Fernwood, Phila., Pa.

## 2929—Compounds (Case Hardening & Tempering)

American Compound Co., 469 Atlantic av, Boston, Mass.
Barr Chemical Co. (Imp.), 255 Douglass, Brooklyn, N. Y.
Bell & Gossett ("Hi-Carbon" & "Case-Hardo"), 609 W 30th, Chicago, Ill.

COMPOUNDS (CASE HARDENING & TEMPERING)—continued

Bennett Metal Treating Co., Elmwood, Conn.
Blaich Alfred O. Co., 1954 Clybourn av, Chicago, Ill. *See adv index at end of book*

TELEPHONE LINCOLN 194
ALFRED O. BLAICH COMPANY
MANUFACTURERS OF
CASE HARDENING MATERIALS
1954-1964 Clybourn Ave.
CHICAGO

Buchanan Thos. Co., 29 W 3d, Cincinnati, O.
Case Hardening Service Co. ("Homogen"), 2279 Scranton rd, Cleveland, O.
Climax Refining Co., Williamson bldg, Cleveland, O.
Ele-Kem Co. ("Caseite"), 1508-1516 Clybourn av, Chicago, Ill.
European Color & Chemical Co., Hoboken, N. J.
**Hafleigh & Co., Cambria & N American, Phila., Pa.**
Harshaw Fuller & Goodwin Co., Elec. bldg., Cleveland, Ohio
Houghton E. F. & Co. ("Houghton's" Case Hardening, Hydro-Carbonated Bone Black for Tempering, "Houghton's" Tempering Oil, 240 W. Somerset, Phila., Pa.
Ideal Case Hardening Compound Co., 27 Thames, New York
Kasenit Co.—Case-Hardening Compounds ("Kasenit"), 11 Water, New York
Mosso C. A., 2253 Warren av, Chicago, Ill.
Park Chemical Co., 35 Lovett, Detroit, Mich.
Phillips Laffitte Co. ("Laffitte"), Penna. bldg, Phila., Pa.
Rogers & Hubbard Co. ("Black Diamond," "Portland" & "Standard" Granulated Raw Bone), Middletown, Conn.
**SHORE INSTRUMENT & MFG. CO. (THE)** ("Localcase" Selective Hardening Process), Jamaica, N. Y.
Springfield Facing Co. ("Bohnite"), Springfield, Mass.
*See adv index at end of book*

BOHNITE
CASE HARDENING
COMPOUND
CASE HARDENING SERVICE CO.
2279 Scranton Road, Cleveland, Ohio
SPRINGFIELD FACING CO.
315 Main Street, Springfield, Mass.

Stevens Frederic B., 3d & Larned, Detroit, Mich. *See adv index at end of book*

## 2930— Compounds (Cleaning)

Am. Chemical Paint Co., 1118 So. 11th, Phila., Pa.
Babbitt B. T. Inc. ("Babbitt's Cleanser"), 15 W 34th, New York
Blue Seal Chemical Co. (Pipe), 424 Broome, New York
Boyle C. A. & Co. (Enamel), 643 Washington Blvd, Chicago, Ill.
Coleman, Allan J. ("C. C. C."), 208 N. Wabash av, Chicago, Ill.
Cudahy Packing Co. ("Old Dutch Cleanser"), 111 W Monroe, Chicago, Ill.
Fitzpatrick Bros. ("Klenzer" Compounds for Floors), 1319 W 32d pl, Chicago, Ill.
Ford J. B. Co. ("Wyandotte Detergent" Abrasive Powder for Cleaning, Scouring & Mopping), Wyandotte, Mich.
General Platers Supply Co., 489-493 Broome, N. Y. City
Hygienic Products Co. (Enamel Cleaner), 233 B'way, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, Ohio.
India Alkali Works ("Marblica," "Savogran" Powders), 28 India wharf, Boston, Mass.
Ind. Chemical & Mfg. Co. (Type-Cleaning), 135 S East, Indianapolis, Ind.
Modoc Co., Fernwood, Pa.
Monahan Antiseptic Co. ("M. A. C."), 166 N Curtis, Chicago, Ill.
Standard Chemical & Supply Co. ("Davis Brown" For Gas Meters), 172 2d, East Cambridge, Mass.
White & Bagley Co., Worcester, Mass.

## 2931—Compounds (Clutch or Brake)

Armiger Chemical Co. ("Rex" Anti-Slip Brake Wafers), 2155 Austin av, Chicago, Ill.
Motor Car Supply Co. ("M. C. S."), 1453 Michigan av, Chicago, Ill.

## 2932—Compounds (Commutator)

Acheson Graphite Co., Niagara Falls, N. Y.
Allen L. B. Co. ("Allen"), 4519 N Lincoln, Chicago, Ill.
Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
Dixon Joseph Crucible Co. (Graphite), Jersey City, N. J.
Doe Walter S., Kent, O.
Dyno Utilities Mfg. Co., 608 S Dearborn, Chicago, Ill.
Early Edw. E. Co. ("Early's" Cement), Canton, O.
Fowler G. W. & Co., N Tonawanda, N. Y.
Goldmark Jas. Co. ("Trotters"), 83 Warren, New York
Handy Supply Co., 11737 Detroit av, Cleveland, O.
Hart & Co. ("Red Cross"), Fostoria, O.
Insulating Materials Co. (Cement), 805 Wesson av, Detroit, Mich.
McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
*See adv index at end of book*
National Refining Co., Rose bldg, Cleveland, O.
Ohio Grease ("Ohio"), Loudonville, O.
Onward Mfg. Co. ("O. C. Little"), Menasha, Wis.
Triad Co., Allenhurst, N. J.
Troy Electrical Co. ("E. G. B."), Troy, N. Y.
Walsh J. F., Pittsfield, Mass.
Warren Lubricant Co., 22 Maurice, Buffalo, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa
*See adv index at end of book*

## 2933-4— Compounds (Core)

See also Compounds, Parting

American Gum Products Co. ("Goulac"), 200 5th av, New York
Bennett & Seeley, Inc. ("Bensee"), 828 Railroad av, Bridgeport, Conn.
*See adv index at end of book*
Bent James S. ("Coreoleum"), 117 First, South Boston, Mass.
Black Products Co. ("Black Diamond"), 135th & Calumet, Chicago, Ill.
**BUCKEYE PRODUCTS CO.** ("Linco"), 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Cataract Refining & Mfg. Co., Buffalo, N. Y.
Crawford Specialty Mfg. Co., Blackstone bldg, Cleveland, O.
Delevan Mfg. Co. ("Stewart" Liquid), 65 Delevan, Brooklyn, N. Y.
Federal Foundry Supply Co. ("Federal" Dry), 2639 E 79th, Cleveland, O.
Field Alfred & Co. ("Wax-Wire"), 93 Chambers, New York
Harshaw, Fuller & Goodwin Co., Elec bldg., Cleveland, Ohio.
Heltzel Steel Form & Iron Co., Warren, O.
Hill-Brunner Foundry Supply Co. ("Hills"), 637 Evans, Cincinnati, Ohio
Jaeger Machine Co., 520 Dublin av, Columbus, Ohio.
Keystone Foundry Supply Co. ("Lion"), Buffalo, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Midvale Mining & Mfg. Co., Central Natl Bank bldg, St. Louis, Mo.
Mills H. E. Mfg. Co. ("Mills"), Syracuse, N. Y.
Obermayer S. Co. ("Kantbebeat" Dry), 2563 W 18th, Chicago, Ill.
Pettinos Chas. E., 25 Church, New York
Pure Carbon Co. ("Grapho"), Wellsville, N. Y.
Robeson Process Co. ("Glutrin"), 18 E 41st, New York
Smith Facing & Supply Co. ("C. F. M.," "Ingot," "Roll," "Velvet Blacking," Core Wash), 1857 Carter rd, Cleveland, O.
Springfield Facing Co. ("Springfield"), Springfield, Mass.
*See adv index at end of book*
Sterling Oil Co. ("Sterling" Core Oil), Emlenton, Pa.
Stevens Frederic B. ("King-Kore"), 3d & Larned, Detroit, Mich.
*See adv index at end of book*
Swan & Finch Co., 165 Broadway, New York
United Compound Co. ("Buffalo" Vent Wax), 228 Elk, Buffalo, N. Y.
United States Graphite Co., Saginaw, Mich.
Woodison E. J. Co. ("Quality"), 1621 St. Aubin, Detroit, Mich.

## 2935—Compounds (Cutting & Drilling)

See also Compounds, Drilling; also Oils, Cutting & Polishing

A. L. A. Mfg. & Supply Co., 72 Trinity pl, New York
Acheson Oildag Co. ("Aquadag"), Niagara Falls, N. Y.
Advance Oil Co. ("Velvet"), Oil City, Pa.
American Oil Corp. ("No. 124 Mineralized Lard Oil"), Jackson, Mich.
Anchor Oil & Chemical Co. ("Anchor"), Cleveland, O.
Cataract Refining & Mfg. Co. ("Mystic Acme"), Buffalo, N. Y.
Climax Refining Co. ("Bull Dog," "Perfection"), Williamson bldg, Cleveland, O.
Damascus Mfg. Co. ("Speeds"), Cassius av, Cleveland, O.
Farr Mfg. Co. ("Lubricool"), N Tonawanda, N. Y.
Fiske Bros. Refining Co. (Cutting), 24 State, New York.
Houghton E. F. & Co. ("Solcut"), 240 W. Somerset, Philadelphia, Pa.
International Lubricants Co., Ltd. ("Accrus"), 350 N Clark, Chicago, Ill.
Interstate Chemical Co., 657 Garfield Ave., Jersey City, N. J.
Lewis Drilling Compound Co., Sauquoit, N. Y.
Middle States Oil Co. ("Perfection"), 848 B. of L. E. bldg, Cleveland, O.
Monahan Antiseptic Co. (Green Oil Soap), 166 N Curtis, Chicago, Ill.
Moore Oil Co. (For Jobbing Trade Only), York & McLean av, Cincinnati, O.
Oakley Chemical Co. ("Oakite"), 22 Thames, New York
Paragon Refining Co., Toledo, O.
Penn Oil & Supply Co., Ltd. ("Penn" Brand), Oil City, Pa.
Phoenix Oil Co. ("Keep Kool"), 2554 W 5th, Cleveland, O.
Racine Tool & Machine Co. ("Peerless," also Soluble Oil Cutting Compound), Racine, Wis.
Richards G. Whitfield ("Lub-Well"), 1732 Carlton, Phila., Pa.
Sibley Soap Co., Franklin, Pa.
Sullivan Oil Co. ("Sullivan's" Economic), 413 Wells, Chicago, Ill.
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Ulco Oil Co., 65 Hale, Detroit, Mich.
Warren G. Black Oil Co., Century Bldg, Cleveland, O.
White & Bagley Co. ("Economy"), Worcester, Mass.

## Compounds (Damp Resisting)

See Waterproofing Materials

## 2935a— Compounds (Drawing)

Fancourt W. F. & Co., Inc., 5168 Delaware av, Phila., Pa.
International Lubricants Co., Ltd. ("Accrus"), 350 N Clark, Chicago, Ill.
Moore Oil Co., York & McLean av, Cincinnati, O.
Natl Oil Products Co., Harrison, N. J.
Oakley Chemical Co., 22 Thames, New York
Swan & Finch Co. ("Efficiency," "Perfection," "Viscosity," "Drakret," "Catac"), 165 Broadway, New York
Texas Company, 17 Battery pl., New York.
*See adv index at end of book*

## Compounds (Dust Laying)

See Road Binders & Preservatives

## 2936—Compounds (Electric Cable)

**Dielectric Mfg. Co. ("Dielectric" for Pot heads, etc), 224 S Vandeventer av, St. Louis, Mo.**
**Mitchell-Rand Mfg. Co. (For Potheads & Terminals), 18 Vesey, New York**
**Ohmlac Mfg. Co. ("Ohmlac"), 140 S Dearborn, Chicago, Ill.**

## Compounds (Filler, Iron & Steel)

See Cement, Iron & Steel Filler

## 2937—Compounds (Fireproofing)

Insulating Co., Inc., 190 Culver av, Jersey City, N. J.
**Price Fire & Water-Proofing Co. ("Price" for All Kinds of Fabrics & Inflammable Materials), Poughkeepsie, N. Y.**

## 2938— Compounds (Gear)

Ohio Filler & Shield Co. (Motor Gear Shield), 522 City av, Columbus, O.
**TEXAS COMPANY** (Crater Thuban), 17 Battery pl, New York
*See adv index at end of book*

## Compounds (Grinding)

See Compounds, Valve Grinding

## 2939—Compounds (Impregnating)

Am. Synthite Co., 30 Church, New York
Condensite Co., of Am. Bloomfield, N. J.
Dolph Mfg. Corp., 95 Liberty, New York
Dielectric Mfg. Co., 224 S Vandewater, St. Louis, Mo.
Mitchell Rand Mfg. Co., 18 Vesey, New York
Packard Elec. Co. Dana av, Warren, Ohio
Redman Chemical Products Co., 643 W 22nd, Chicago, Ill.
Robertson Chemical Co., 9808 Meech av, Cleveland, O.
Schenectady Varnish Co., Schenectady, N. Y.
Sherwin-Williams Co. ("Ajax"), Cleveland, Ohio
Standard Varnish Wks, 90 West, New York
Standard Paint Co., 233 B'way, New York
Voltax Co., Bridgeport, Conn.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 2940—Compounds (Insulating)

**See also Paints, Insulating; also Varnishes, Insulating**
American Mica Co. ("A-M-C"), Newton Lower Falls, Mass.
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Bissell F. Co., Toledo, O.
Candy & Co. ("Faultless"), 403 N Paulina, Chicago, Ill.
Celite Products Co. (and Materials), 11 B'way, New York
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Condensite Co. of America, Bloomfield, N. J.
Consumers' Rubber Co. ("Red Black," 'Samson" Gum Rubber), 829 Superior av, Cleveland, O.
Dielectric Mfg. Co., 224 S Vandeventer av, St. Louis, Mo.
Doggett Stanley, 11 Cliff, New York
Dolph John C. Co. (Vacuum Impregnating), 178 Emmett, Newark, N. J.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Electrose Mfg. Co., Washington & Plymouth, Brooklyn, N. Y.
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Elec Material Co. ("Velvapara"), 618 W Jackson blvd, Chicago, Ill.
General Bakelite Co. ("Bakelite"), 2 Rector, New York
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*
General Insulating & Mfg. Co., Central National Bank bldg, St. Louis, Mo.
Insulatine Co., 1 B'way, New York
Insulation Co. Inc. (Electrical), ("Dorrite"), 190 Culver av, Jersey City, N. J.
Irvington Varnish & Insulator Co. ("Irvington"), Irvington, N. Y.
Johns-Manville H. W. Co. ("Vulcabeston" and "Electrobeston"), Madison av & 41st, New York
Johns-Pratt Co. The, ("Vulcabeston," "Moulded Mica," "J. P. Bakelite," moulded in special shapes and moulded with or without inserts), Hartford, Conn.
Lamson John S. & Bros., 347 Madison av, New York
McGill Mfg. Co. ("Crescent," "Chatterton"), 77 Oak, Valparaiso, Ind.
*See adv index at end of book*
Mica Insulator Co. ("M. I. C."), 68 Church, New York
Minerallac Electric Co. ("Minerallac"), 1045 Washington blvd, Chicago, Ill.
Mitchell-Rand Mfg. Co. ("B-S"), 18 Vesey, New York
National India Rubber Co., Bristol, R. I.
Okonite Co., Passaic, N. J.
Pettingell-Andrews Co. ("O K"), 166 Pearl, Boston, Mass.
Smith Edw. & Co. (Baked Coating), 127 West ave, Long Island City, N. Y.
Standard Asphalt & Rubber Co. ("Sarco"), 208 S La Salle, Chicago, Ill.
Standard Paint Co. ("P & B"), 233 Broadway, New York
Standard Underground Cable Co. ("Ozite"), Westinghouse bldg, Pittsburgh, Pa.
Standard Varnish Works, 2589 Richmond ter, Elm Park, N. Y.
Standard Wax & Import Co., 95 William, New York
Sterling Varnish Co., Fulton bldg., Pittsburgh, Pa.
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Trotter E. T. & Co., 602 Johnson av, Brooklyn, N. Y.
Waterbury Button Corporation (Electrical), 831 So Main, Waterbury, Conn.
*See adv index at end of book*
Wesco Supply Co. ("Wesco"), 7th & Clark av, St. Louis, Mo.
Western Electric Co. ("W. E. Pothead"), 403 West, New York.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## Compounds (Lamp Coloring & Frosting)

See Coloring, Incandescent Lamp

## 2940a—Compounds (Luminous)

Am. Luminous Products Co. (Self-Luminous & Calcium Sulphide), Huntington Park, Cal.
Cold Light Mfg. Co. (Dial Illuminator), 558 W 158th, New York
Radium Chemical Co. ("Luma"), Forbes & Meyran av, Pittsburgh, Pa.
Radium Dial Co., Forbes & Meyran avs, Pittsburgh, Pa.
Radium Illuminous Material Corp, 55 Liberty, New York
Radium Ltd., U. S. A., 2 W 45th, New York

## 2941—Compounds (Metallic Journal Bearing)

Duluth Brass Works Co. ("Randolph's"), Duluth, Minn.

## 2941a— Compounds (Molding)

Condensite Co. of America, Bloomfield, N. J.
General Bakelite Co., 2 Rector, N. Y.
Redmanol Chemical Products Co., 636 W 22nd, Chicago, Ill.

## 2942—Compounds (Motor Chain)

Acheson Graphite Co., Niagara Falls, N. Y.
Climax Refining Co., Williamson bldg Cleveland, O.
Dixon Joseph Crucible Co., Jersey City N. J.
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
United States Graphite Co., Saginaw, Mich

## 2943— Compounds (Parting)

See also Compounds, Core

Bennett & Seeley, Inc. ("Bensee"), Bridgeport, Conn. *See adv index at end of book*
Black Products Co., 135th & Calumet, Chicago, Ill.
**BUCKEYE PRODUCTS CO.** ("Buckeye"), 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Doggett Stanley ("Doggett's Perfection"), 11 Cliff, New York
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Foundry Specialty Co. ("Partine"), Cincinnati, O.
Hill-Brunner Foundry Supply Co. ("Partwell"), 637 Evans, Cincinnati, Ohio
**HILL & GRIFFITH CO.** ("Faultless"), 1248 State av, Cincinnati, O., & Birmingham, Ala.; Chicago, Ill.; Pittsburgh, Pa.
*See adv index at end of book*
Keystone Foundry Supply Co. ("Niagara," "Mohawk"), Buffalo, N. Y.
McCormick J. S. Co., 25th & A V R R, Pittsburgh, Pa.
Midvale Mining & Mfg. Co., Central Nat'l Bk bldg, St, Louis, Mo.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, Ohio. *See adv index at end of book*
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
Smith Facing & Supply Co., 1857 Carter rd, Cleveland, O.
Sterling Oil Co., Emlenton, Pa.
Swan & Finch Co., 165 Broadway, New York
Wedron Silica Co. ("Lacko"), Ottawa, Ill.
Woodison E. J. Co. ("Quality"), 1621 St. Aubin, Detroit, Mich.

## 2943a— Compounds (Pickling)

Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, Ohio.
Research Mfg. Co. ("Edis"), Oak Lane Sta., Pa.

## 2944—Compounds (Pipe Joint)

See also Cements, Pipe Joint

Acheson Graphite Co., Niagara Falls, N. Y.
Arlington Mfg. Co., Canton, O.
Boetliger Christ, 2316 Peach, Erie, Pa.
Buffalo Oil & Compound Co., Buffalo, N. Y.
Chester Graphite Co. ("Hexagon" Graphite), Chester Springs, Pa.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
Dixon Joseph Crucible Co., Jersey City, N. J.
Edgecombe Co. ("Red Cross"), Cuyahoga Falls, O.
Glauber M. & Co., 103 Varick, New York
Hetzel J. G. (Est. of), 67 Main, Newark, N. J.
Johns-Manville H. W. Co. ("H-O"), Madison av & 41st, New York
King Walter E. Co. ("King"), 115 W 3d, Cincinnati, O.
Leadite Co. ("Leadite"), Land Title bldg, Phila., Pa.
Leak Cure Metal Cement Co., 89 Fulton, New York
Marbleoid Co. ("Jointite"), 47 W 34th, New York
National Steam Spec. Co. ("National B"), 16 S Clinton,Chicago, Ill.
Smooth-On Mfg. Co., 572 Communipaw av, Jersey City, N. J.
Standard Paint Co. ("S. P. C."), 233 B'way, New York
Thread-Tight Co. ("Thread Tight"), 288 Bowery, New York
United States Graphite Co., Saginaw, Mich.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.

## 2945—Compounds (Platers' & Polishers')

See also Composition, Buffing

Bennett & Seeley, Inc., Bridgeport, Conn.
Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
General Platers Supply Co. ("Snow Flake" "Victor White"), 489-493 Broome, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg.; Cleveland, Ohio
Munning A. P. & Co., Mattawan, N. J.
Northwestern Chemical Co., Marietta, O.
Oakley Chemical Co. ("Oakite"), 22 Thames, New York
Royal Chemical Co. ("Royal" for Cleaning Metals, etc), Phenix, R. I.
Standard Chemical & Supply Co. ("Boston"), 177 2nd, East Cambridge, Mass.

COMPOUNDS (PLATERS' & POLISHERS')—continued

Swan & Finch Co., 165 B'way, New York
Union Polish Co., 80 Barclay, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

### Compounds (Pothead)

See Compounds, Cable

### Compounds (Rope)

See Dressing, Rope

### 2946—Compounds (Rust Proofing)

Am. Chemical Paint Co. ("Deoxyldyte" Chemicals for Pickling), 1118 S 11th, Phila, Pa. *See adv index at end of book*
Compound Specialty Co. ("Never Rust" for Tools, Typewriters, Bicycles, Knives, Shears, Lawn Mowers, etc), 156 West av, Long Island City, N. Y.
Parker Dust Proof Co. of Am., 623 E. Milwaukee, Detroit, Mich.
Polygon Products Co. (Dissolver), 141 Milk, Boston, Mass.

### 2947—Compounds (Sewer Joint)

Atlas Co., Lincoln, N. J.
Lamson John S. & Bro., 347 Madison av, New York
Merritt Hydraulics Co. ("G-K" Compound), 110 N Broad, Phila., Pa.
Standard Paint Co. ("S. P. C."), 233 B'way, New York

### 2947a— Compounds (Sizing)

Arabol Mfg. Co., 100 William, New York
Morningstar Chas. & Co., Inc., 349 B'way, New York
Nat'l Oil Products Co., Harrison, N. J.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Sizing Specialties Co. Inc., Jersey City, N. J.

### 2948— Compounds (Splicing)

Dunton W. W. Co. ("4"), 150 Niagara, Providence, R. I.
Johns-Manville H. W. Co., ("J-M Alpha" Rubber), Madison av & 41st, New York
Standard Woven Fabric Co. ("Multibestos"), Walpole, Mass.

### 2949— Compounds (Spraying)

California Exterminating Co., Inc. (Theater Spray), 121 Manhattan, New York
Interstate Chemical Co. ("Key Brand"), 657 Garfield av, Jersey City, N. J.
Pratt B. G. Co. ("Scalecide," a Petroleum Oil Soap), 50 Church, New York
Rickes, River & Co., 30 Church, New York

### 2950—Compounds (Sweeping)

Alcatraz Co. Inc. ("Ko-Ko-No Dust"), 3200 Williamsburg av, Richmond, Va.
Anti-Dust Chemical Co. ("Anti-Dust"), Denver, Colo.
California Exterminating Co. Inc., 121 Manhattan, New York
Carpenter W. D. Co., Syracuse, N. Y.
Cedar-Sweep Co. ("Cedar-Sweep," "Nomoredust"), Los Angeles, Cal.
Chemical Supply Co., 2450 Canal rd, Cleveland, O.
Cleveland Dustout Co., 2100 E 55th, Cleveland, O.
Climax-Western Oil Co. ("No More Dust") 2824 10th av, S Minneapolis, Minn.
Continental Mfg. Co. ("Dustoline"), Indianapolis, Ind.
Cortland Specialty Co. ("Banner"), Cortland, N. Y.
Cotto Waxo Co., 1308 N Main, St. Louis, Mo.
Cromwell R. A. Mfg. Co. ("Sphinx"), 303 E 29th, New York
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Day Bergwall Co. ("Anti-Dust"), 289 E Water, Milwaukee, Wis.
Dolge C. B. Co., Westport, Conn.
Fitch Dustdown Co. ("Dustdown"), 1028-36 W Front, Cincinnati, O.
Herne J. F. Co. ("Dust Doom"), Sanford, Boston, Mass.
Hoag Duster Co. ("Iowa"), Monticello, Ia.
Industrial Laboratries Inc., Ft. Smith, Ark.
Jewel Mfg. Co. ("Jewel"), 2863 W 22d, Chicago, Ill.
Kildust Co., Rome, Ga.
Masury-Young Co. ("Nodusto"), 196 Milk, Boston, Mass.
National Dust Down Co. ("No-Dust-O"), 102 N 1st, Brooklyn, N. Y.
Nicholas L. V. Oil Co., Omaha, Neb.
Peabody Anti-Dust Co. ("Anti-Dust"), Peabody, Mass.
Pioneer Mfg. Co. ("Wehes," Dust Absorbent), Harvard av & E 103rd, Cleveland, O.
Pure Oil Co., 1st & 13th av S, Minneapolis, Minn.
Saniform Co., 141 W 36th, New York
Smith E. A. Hamilton, Ohio
Standard Chemical Co. ("Cedar-Waxine," "Cedar-Fluff"), Houston, Tex.
State Oil Co., Lincoln, Neb.
U. S. Chemical Co., Greenville, Ohio
Velvetta Mfg. Co. ("Dustine"), 142 N 4th, Philadelphia, Pa.
West Disinfecting Co. ("Sweepine," "Camphene"), 411 Fifth av, New York

### Compounds (Tempering)

See Compounds, Case Hardening & Tempering

### 2951—Compounds (Valve Grinding)

Acme Compound Mfg. Co., 102 N 5th av, Chicago, Ill.
Auto Equipment Co., East Orange, N. J.
Carborundum Company, Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Durkee Atwood Co. ("Rie Nie"), 40 Wilden, Minneapolis, Minn.
Gray Specialty Co. ("Gray's"), 148 Avon av, Newark, N. J.
Hall-Thompson Co. ("Wonder Worker" & "Quick Kut"), Hartford, Conn.
Hammett H. G. ("Trojan"), Troy, N. Y.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Lightning Mfg. Co. ("Lightning"), Cornish Flat, N. H.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Motor Car Equipment Co. ("P. D. Q."), 19 W 62d, New York
Northwestern Chemical Co. ("Pioneer," "Norwesco"), Marietta, Ohio.
Norton Co. ("Norton"), Worcester, Mass.
S. B. R. Specialty Co. ("Rapidcut"), East Orange, N. J.
Swan & Finch Co. ("Bison"), 165 Broadway, New York
White & Bagley Co. ("Economy"), Worcester, Mass.
Worcester Abrasive Co. ("Pep"), Worcester, Mass.

### 2952— Compounds (Welding)

See also Compounds, Brazing

Anti-Borax Compound Co. ("E-Z," "Crescent"), Fort Wayne, Ind.
Buchanan C. S. Chemical Co., Flex, 4650 Baker av, Cincinnati, Ohio
Carbo-Hydrogen Co. of America, Benedum Trees bldg., Pittsburgh, Pa.
Century Tool & Metal Co. ("Delmas"), 180 N Market, Chicago, Ill.
Corliss Mfg. & Supply Co. (Jobbers), 1906 Olive, St. Louis, Mo.
Cortland Specialty Co. ("Anchor," "Banner" & "Excelsior"), Cortland, N. Y.
Cortland Welding Compound Co. ("Climax" & "Borax-Ettee"), Cortland, N. Y.
Doxey N. D. ("Anchor"), Elmira, N. Y.
McLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Morey Flux & Chemical Co. ("Morey"), Parkesburg, Pa.
Perfection Welding Compound Co. ("Perfection"), Scranton, Pa.
Phillips-Laffitte Co. ("Laffitte"), Penna bldg., Philadelphia, Pa.
So-Luminum Mfg. & Engng. Co. ("So-Luminum"), 1790 B'way, New York
Tip-It, Inc., 120 B'way, New York
Weldum Products Co., Indianapolis, Ind.
WESTINGHOUSE ELECTRIC & MFG. CO. ("Weldwell"), Pittsburgh, Pa. *See adv index at end of book*

### 2953—Compressors (Acetylene)

Ingersoll-Rand Co., 11 B'way, New York *See adv index at end of book*
Norwalk Iron Works Co. ("Norwalk"), South Norwalk, Conn.
WORTHINGTON PUMP & MACHY. CORP., 115 B'way, New York *See adv index at end of book*

### 2954— Compressors (Air)

#### ALABAMA.

BIRMINGHAM—Hardie-Tynes Mfg. Co.
INGERSOLL-RAND CO. (of New York City) (Steam, Belt, Electric, Corliss Gas Engine & Steam Driven), American Trust bldg *See adv index at end of book*

#### ALASKA.

JUNEAU — INGERSOLL-RAND CO. (of New York City) (Steam, Belt, Electric, Corliss, Gas Engine & Oil Engine Driven Turbo Blowers & Compressors) *See adv index at end of book*

#### CALIFORNIA.

LOS ANGELES—Ingersoll-Rand Co., (of Cal.), (Steam, Belt, Electric, Corliss, Gas Engine & Oil Engine Driven, Turbo Blowers & Compressors), Union Oil bldg *See adv index at end of book*
Kimball F. J. Co., Inc., 1860 E 15th
SAN FRANCISCO — CHICAGO PNEUMATIC TOOL CO., 175 First *See adv index at end of book*
Clot E. Machine Works, 940 Bryant
Compressed Air Power Co., 110 Jessie
Fairbanks, Morse & Co., 651 Mission
General Machinery & Supply Co., 39 Stevenson
INGERSOLL-RAND CO. (of Cal.), (Steam, Belt, Electric, Corliss, Gas Engine & Steam Driven, Turbo Blowers & Compressors), 139 Townsend *See adv index at end of book*
National Brake & Electric Co., Pacific bldg
Oliver Continuous Filter Co. ("Oliver"), 503 Market
RIX COMPRESSED AIR & DRILL CO., 505 Howard
Sullivan Machinery Co., Hobart bldg
Westinghouse Pacific Coast Brake Co., 65 Market
Witt G. E. Co. (Belt Driver for Low Pressure Heating Plants), 862 Howard

#### COLORADO.

DENVER—Stearns-Roger Mfg. Co.
LITTLETON—Leyner J. Geo. Engineering Works Co. ("Leyner" Belt, Steam, Electric, Water Power, etc)

#### CONNECTICUT.

HARTFORD—Hartford Machine Screw Co. ("Master" Electric Driven)
NEW HAVEN—New Haven Sand Blast Co.
SOUTH NORWALK—Nash Engineering Co. (Hydro-Turbine)
Norwalk Iron Works Co. ("Norwalk" Air & Gas Compressors)

#### ILLINOIS.

CHICAGO—Economy Pumping Machy. Co. (Electric Driven), 122 Center
Fairbanks, Morse & Co., 900 S Wabash av
Independent - Pneumatic Tool Co., 600 W. Jackson blvd
Janette Mfg. Co., 617 W Jackson blvd
Kroeschell Bros. Ice Machine Co., 472 W Erie
Luther Frederick P. Co., (Belt, Gasoline Engine, Hydraulic, Motor & Steam Driven High & Low Pressure), 14 E Jackson blvd
MACHINERY SALES CO., Old Colony bldg.
PAASCHE AIR BRUSH CO., 1249 W Washington blvd. *See adv index at end of book*
Ryerson J. T. & Son, 910 Corn Exchange bldg., & 16th & Rockwell *See adv index at end of book*

# INGERSOLL-RAND CO.

11 Broadway, New York — 165 Q. Victoria St., London

Manufacturers of

# PNEUMATIC MACHINERY

## Air and Gas Compressors

Ingersoll-Rand and "Imperial" belt, electric, steam and turbo driven, high pressure, mine car, road and semi-portable—all types, capacities and pressures.
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Steam turbine and electric driven—capacities 3000 feet upward.

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Ingersoll-Rand Type "PR" Heavy Duty Marine Oil Engines, Type "PR" and "P" Stationary Oil Engines and Type "FP" Steam Engines—satisfactory power for all general purposes.

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Ingersoll-Rand straight line and "Imperial" duplex belt driven or direct connected steam engine driven dry vacuum pumps—capacities 292-7058 cubic feet per minute.

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Ingersoll-Rand Air Lift Pumping Systems, "Return-Air" and Displacement Pumps, Air Lift Boosters—for pumping water and oil wells, unwatering mines, elevating corrosive liquids, pumping gritty mixtures and semi-fluid substances.

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"Little David" chipping, scaling and calking hammers, coal picks and core breakers, riveters, holders-on and jam riveters, drills, including close quarter types, wood boring machines, flue rollers, and portable grinders, hoists and stationary motor, sand rammers and calking machines, drift bolt drivers. Tools to suit every requirement.

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air and steam types with capacities up to five tons.

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machines that will meet coal mining requirements.

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will work marble, limestone, etc., equally as well.

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for all depths to 4000 feet. Steam, gasoline, horse or hand power machines.

## Rock Drilling Machinery

"Jackhamers" and Mounted "Jackhamers," "Stopehamers," "Sergeant," "Butterfly" and Ingersoll-Rand Rock Drills, "Electric-Air" and Submarine Drills—a drill for every rock cutting duty.

Ingersoll-Rand and "Sergeant" Tripods, Columns and Quarry Bars. I-R Drill Steel, Hose, Hose Couplings and Menders, Water Spray Devices.

Ingersoll-Rand Drill Sharpeners and Oil Furnaces, Coke Forge, Shank and Bit Punch, Pedestal Grinder, Blacksmith Tools, Machine and Hand Shanking Devices.

## Imperial Tie Tamping Outfits

will tamp any kind of ballast on any sort of steam or electric road. The tamping tools are pneumatically driven. Compressor cars are either gasoline engine or electric motor driven. Gasoline driven types are self-propelled. Can also be adapted to cutting asphalt and breaking up concrete pavement.

**Write for descriptive literature on any or all of the above products**

**For list of branch offices see Advertisers' Index at end of book**

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ILLINOIS—Chicago—continued

Sullivan Machinery Co. ("Sullivan"), Peoples Gas bldg.
Victor Electric Co., 236 S Robey
Weir & Craig Mfg. Co., 6316 Wentworth av
Wilson Machinery Co., 301-331 W 35th
*See adv index at end of book*
Yeomans Bros. Co. (Rotary), 1433 Dayton
**Zin-ho Mfg. Co.** (Portable), 1323 S Michigan av

QUINCY—**GARDNER GOVERNOR CO.**, (Belt & Motor Driven & Steam Actuated), 23 Williamson

## INDIANA.

ANDERSON—Arvac Mfg. Co.
GOSHEN—**Hoosier Motor Co. (Up to 5½)**
Midwest Engine Co. (Gasoline Driven)
RICHMOND—**Spacke F. W. Machine Co.** (Small)
Richmond Standard Mfg. Co.

## IOWA.

BURLINGTON—Murray Iron Works Co., Central av & Washington

## KENTUCKY.

LOUISVILLE—Vogt Bros. Mfg. Co.

## MARYLAND.

BALTIMORE — American Compressor & Pump Co., 801 E Pratt
Black & Decker Mfg. Co., 111 S Calvert
HAGERSTOWN—Pangborn Corp.

## MASSACHUSETTS.

BOSTON—**CHICAGO PNEUMATIC TOOL CO.**, 185 Pleasant
*See adv index at end of book*
**INGERSOLL-SERGEANT DRILL CO.** (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven Turbo Blowers & Compressors), 32 Oliver
*See adv index at end of book*
Jager Chas. J. Co. ("Mason-Jaeger"), 15 Custom House
Kinney Mfg. Co. (Belt, Chain & Gasoline Engine Driven), 3541 Washington
Trimount Rotary Power Co. ("Trimount" Rotary), 18 Heath
CAMBRIDGE—Dyar Supply Co. ("Dyar" Portable), 66 B'way
*See adv index at end of book*

## MICHIGAN.

BATTLE CREEK—American Steam Pump Co. (Steam & Power)
Globe Mfg. Co. ("Dead Easy")
Union Steam Pump Co. ("Burnham") ("Union")
DETROIT—**CHICAGO PNEUMATIC TOOL CO.**, 2nd av & Amsterdam
*See adv index at end of book*
Great Lakes Engineering Works (Vertical Compound High Duty), Real Estate Exchange bldg
**Superior Machine & Engineering Co.** ("Yale"), 51 E Fort
LANSING—Gifford Engine Co. ("Gifford" Motor & Belt Driven)
Novo Engine Co.

## MINNESOTA.

**INGERSOLL-RAND CO.** (of New York City) (Steam, Belt, Electric, Corliss, Gas Engine & Steam Driven)
*See adv index at end of book*

## MISSOURI.

KANSAS CITY—Faultless Engine Co., 1511 Cypress av
ST. LOUIS — **CHICAGO PNEUMATIC TOOL CO.**, 819 Hempstead
*See adv index at end of book*
Curtis & Co. Mfg. Co. (Water Cooled & Air Cooled, Automatic Vertical Type, Belt & Electric Driven, Stationary or Portable), 1571 Kienlen av
General Compressed Air & Vacuum Mchy Co.
**INGERSOLL-RAND DRILL CO.** (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Drive, Turbo Blowers & Compressors), 300 N Broadway
**Reliance Machine & Tool Works** ("Hooker"), Channing & Franklin avs
Vapor Valve Co.
Zelnicker, Walter A. Supply Co. (Dealer) 325 Locust
*See adv index at end of book*

## MONTANA.

BUTTE—**INGERSOLL-RAND CO.** (of New York City) (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven, Turbo Blowers & Compressors), 109 E Broadway
*See adv index at end of book*

## NEBRASKA.

OMAHA—**Sunderland Machinery & Supply Co.**

## NEW JERSEY.

EAST TRENTON—**DE LAVAL STEAM TURBINE CO.** (Turbine Driven)
*See adv index at end of book*
NEWARK—Eclipse Air Brush Co. (Small), 79 Orange
Motor-Compresser Co., 52 Dickerson

## NEW YORK.

BUFFALO—**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av
*See adv index at end of book*
**CHICAGO PNEUMATIC TOOL CO.**, Ellicott Sq. bldg.
*See adv index at end of book*

## NEW YORK CITY.

### Borough of Brooklyn

BROOKLYN—American Air Compressor Works ("Fairhurst"), 26 Cortlandt, New York
**CROWELL MFG. CO.** ("Crowell"), 290 Taffe pl
*See adv index at end of book*
Foster Pump Works, 37 Bridge
*See adv index at end of book*
Guild & Garrison, 457 Kent av

### Boroughs of Manhattan and Bronx.

NEW YORK—Abbe Engineering Co., 30 Broad
**BEACH-RUSS CO.**, 216-224 B'way
*See adv index at end of book*
Blethen Hugh R., 21 Park Row
**CHICAGO PNEUMATIC TOOL CO.**, E 44th. *See adv index at end of book*
Clayton Air Compressor Wks., 115 B'way
Davidson M. T. Co., 154 Nassau
Eureka Pneumatic Spray Co., 62 9th av
Hoisting Engine Sales Co., Grand Central Terminal
**INGERSOLL-RAND CO.** (Steam, Belt, Electric, Corliss, Gas Engine, Gasoline Engine, Oil Engine & Steam Driven, Portable, Air Pumping, Turbo Blowers & Compressors), 11 B'way *See adv index at end of book*
Krajewski-Pesant Co., 50 Broad
Plant Engineering & Equipment Co., Inc., 11 John
Oliver Continuous Filter Co. ("Oliver") 299 Madison av
Rateau Battu Smoot Co., 90 West
Sorensen C. M. Co., Inc. (For Medical Use), ("Tankless"), 177 E 87th
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way
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**(End of New York City)**

ROCHESTER—Ritter Dental Mfg. Co. ("Ritter" Automatic)
SCHENECTADY—General Electric Co. (Electric)
*See adv index at end of book*
TROY—Hobart Bros Co.
UTICA—Brunner Mfg. Co. ("Brunner"; Also Air Compressor Fittings)

## OHIO.

CANTON—Arctic Ice Machine Co.
CINCINNATI—Johnston Wm. T. Co., 3d & Vine
Lane & Bodley Co., Tennessee av & Paddock rd
**INGERSOLL-RAND CO.** (of New Corliss, Gas Engine, Oil Engine & Steam Driven, Turbo Blowers & Compressors), Williamson bldg
*See adv index at end of book*
United States Air Compressor Co., Carnegie av, Cleveland, O.
COLUMBUS—Weinman Pump Mfg. Co. (Small), 300 Spruce
DAYTON—Lucas-Miner Tool & Production Co., 427 Valley
HAMILTON—Hooven, Owens, Rentschler Co. *See adv index at end of book*
Reid J A Co., Inc. (The), 1500 Miami Chapel
SALEM—**DEMING CO**
*See adv index at end of book*
TOLEDO—A. F. S. Machine Co., 531 S St. Clair
UPPER SANDUSKY — National Steam Pump Co. ("National")
WILMINGTON—**Auto Compressor Co.**

## PENNSYLVANIA.

ALLENTOWN—**TRAYLOR ENGINEERING & MFG. CO.**
*See adv index at end of book*
BRADFORD—Caldwell E. R. & Co. (Air Cooled)
Combination Engine & Compressor Co.
CHAMBERSBURG—Chambersburg Foundry & Machine Co.
CHESTER—Wetherhill R. & Co.
CONNELLSVILLE—Connellsville Mfg. & Mine Supply Co.
ERIE—Bury Compressor Co. (Steam, Belt & Electrically Driven)
Pennsylvania Pneumatic Co.
MECHANICSBURG—Comstock Geo. S. & Son ("Comstock," Belted & Motor Driven, 3 to 90 Cubic Feet)
PHILADELPHIA — **CHICAGO PNEUMATIC TOOL CO.**, 1742 Market
Cox & Sons Co., 5th & Chestnut
**INGERSOLL-RAND CO.** (of New York City) (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven, Turbo Blowers & Compressors), Commercial Trust bldg *See adv index at end of book*
Lebran Co.
**Paxson J. N. Co., 1021 N Delaware av**
Schramm Chris. D. & Son, Inc. (Single Acting, Single Stage & Single Cylinder), 709 Arch
Schutte & Koerting Co. (Steam Jet), 1251 N. 12th
Smith, Drum & Co., Allegheny av & 5th
**Southwark Foundry & Machine Co.** ("Southwark-Harris"), 430 Washington av
PITTSBURGH — American Electric Air Pump Co.
**CHICAGO PNEUMATIC TOOL CO.**, 12 Wood
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**COLONIAL SUPPLY CO.**, 217 Water
*See adv index at end of book*
Hall Steam Pump Co., 213 Galveston.
**INGERSOLL-RAND CO.** (of New York City) (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven Turbo Blowers & Compressors), Farmer's Bank bldg
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When writing to firms whose names appear in this book please mention HENDRICKS' COMMERCIAL REGISTER.

Mestra Machine Co., Pittsburgh, Pa.
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# AIR COMPRESSORS

Gas Engine, Steam Engine or Motor Driven

Equipped with Mesta Automatic Plate Valves (Iversen Patent)

**(Write for Bulletin N)**

**MESTA MACHINE COMPANY**

**Pittsburgh, Pa., U. S. A.**


Tranter Mfg. Co. ("Tranter"), 105 Water
**WESTINGHOUSE AIR BRAKE CO.** (Steam)
**WESTINGHOUSE TRACTION BRAKE CO.** (Belt, Gas, Gasoline, Motor or Steam)
**Wilson-Snyder Mfg. Co.**, 2 Ross
SCRANTON—Allis-Chalmers Co. ("Reynolds" Belted Steam, etc)
**INGERSOLL-RAND CO.** (of New York City), (Steam, Belt, Electric, Corliss, Gas Engine & Steam Driven, Turbo Blowers & Compressors), Dime Savings Bank bldg
*See adv index at end of book*
WARREN—Warren Machine Products Co. (Hand)

### SOUTH CAROLINA.

ANDERSON—Anderson Machine & Foundry Co.

### TEXAS.

EL PASO—**INGERSOLL-RAND CO.** (of Texas) (of New York City), (Steam, Belt, Electric, Corliss, Gas Engine, Oil Engine & Steam Driven Turbo Blowers & Compressors), 121 San Francisco
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### VERMONT.

WESTMINSTER STATION—Abenaque Machine Works (Gas & Gasoline Driven, Portable or Wheels)

### VIRGINIA

PETERSBURG—Stratton & Bragg Co. (Steam Belt Driven)
*See adv index at end of book*

### WASHINGTON.

SEATTLE—**CHICAGO PNEUMATIC TOOL CO.**, 119 Jackson
*See adv index at end of book*

**INGERSOLL-RAND CO.** (of New York) (Steam, Belt, Electric, Corliss, Gasoline, Oil Engine & Steam Driven Turbo Blowers & Compressors), Colman bldg
*See adv index at end of book*
Nat'l Engng. & Equipment Co. ("Hydraulic")

### WISCONSIN.

MILWAUKEE—Allis-Chalmers Mfg. Co. ("Reynolds," Belted, Steam, Hydraulic & Electric)
**Filer & Stowell Co.** (850 cu ft & Larger)
National Brake & Electric Co. ("National") ft Belleview pl
Nordberg Mfg. Co. (Oxygen & Hydrogen), Chicago & Oklahoma av

## 2955—Compressors (Air, Portable)

A. F. S. Machine Co., 531 S St. Clair, Toledo, O.
**Abenaque Machine Works** (Gasoline), Westminster Station, Vt.
Allis-Chalmers Mfg. Co. ("Reynolds," Motor Driven), Milwaukee, Wis.
Chambersburg Foundry & Machine Co., Chambersburg, Pa.
**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
**Curtis & Co. Mfg. Co.**, 1571 Kienlen av, St. Louis, Mo.
Dyar Supply Co., 66 B'way, Cambridge, Mass. *See adv index at end of book*


**DYAR PORTABLE AIR COMPRESSOR**
TO WESTINGHOUSE CROSS COMPOUND
**MASS. STANDARD AIR TANK & BOILER**
30 H. P. 125 LB. PRESSURE


**GARDNER GOVERNOR CO.**, 23 Williamson, Quincy, Ill.
*See adv index at end of book*
**INGERSOLL-RAND CO.**, 11 B'way, New York *See adv index at end of book*
Motor-Compressor Co., 52 Dickerson, Newark, N. J.
National Brake & Electric Co., ft Belleview pl, Milwaukee, Wis.
Schramm Chris D. & Son, Inc., 709 Arch, Phila, Pa.
Sullivan Machinery Co. (Mounted on a Truck & Driven by Gasoline Engine), People's Gas bldg, Chicago, Ill.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
**WESTINGHOUSE AIR BRAKE CO.**, Pittsburgh, Pa.
**WESTINGHOUSE TRACTION BRAKE CO.**, Pittsburgh, Pa.

## 2956—Compressors (Ammonia)

Arctic Ice Machine Co., Canton, O.
Bouchard Jno. & Sons Co., Nashville, Tenn
Creamery Package Mfg. Co. ("Creamery Package"), 61 W. Kinzie, Chicago, Ill.
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
De La Vergne Machine Co. ("De La Vergne"), ft E 138th, New York
Great Lakes Engineering Works, Real Estate Exch. bldg, Detroit, Mich.
Guild & Garrison, 457 Kent av, Brooklyn, N. Y.
Huetteman & Cramer Co., Mack & Beaufait, Detroit, Mich.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Ruemmell-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
**VILTER MFG. CO.**, 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 2956a—*Compressors (Carbonic Acid Gas)

Norwalk Iron Works Co. ("Norwalk"), South Norwalk, Conn.
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 2957—Compressors (Centrifugal)

**DE LAVAL STEAM TURBINE CO.** (Turbine & Motor Driven), East Trenton, N. J. *See adv index at end of book*
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*

## 2957a—Compressors (Chlorine)

Hercules Engineering Corp., 501 Fifth av, New York

## 2958— *Compressors (Corliss)

Hooven, Owens, Rentschler Co., Hamilton, O. *See adv index at end of book*
**INGERSOLL-RAND CO.** (Steam Driven), 11 B'way, New York
*See adv index at end of book*

## 2959—Compressors (Corn Shock)

Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Tie Co., Unadilla, N. Y.

## 2959a—*Compressors (Diesel Auxiliaries)

**RIX COMPRESSED AIR & DRILL CO.**, 505 Howard, San Francisco, Cal.

## 2959b—Compressors (Fuel Oil)

**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*

## 2960— Compressors (Garage)

A. F. S. Machine Co., 531 S St. Clair, Toledo, O.
**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
**RIX COMPRESSED AIR & DRILL CO.**, 505 Howard, San Francisco, Cal.
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*


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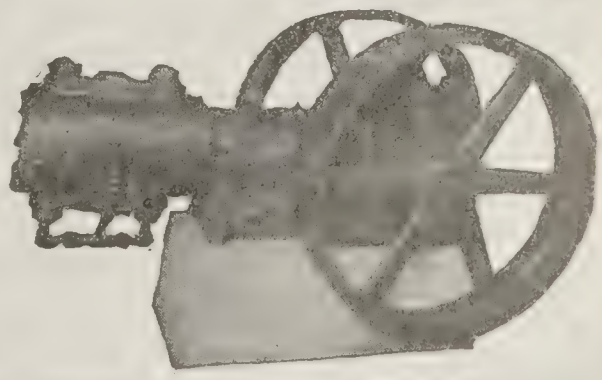

**STRATTON & BRAGG CO., Inc.**
**PETERSBURG, VIRGINIA**

## 2961— Compressors (Gas)

Abenaque Machine Works ("Abenaque" Portable on Wheels), Westminster Station, Vt.
American Compressor & Pump Co., 801 E Pratt, Baltimore, Md.
Blaisdell Machinery Co., Bradford, Pa.
Bury Compressor Co. (Gas & Gasoline), Erie, Pa.
**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th, New York
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Hall Steam Pump Co., 213 Galveston, Pittsburgh, Pa.
Hooven, Owens, Rentschler Co., Hamilton, O.
*See adv index at end of book*
**INGERSOLL-RAND CO.** (Gas Engine Driven), 11 B'way, New York
*See adv index at end of book*
Kroeschell Bros. Co., 440 W. Erie, Chicago, Ill.
Lane & Bodley Co. (& Air), Tennessee av & Paddack rd, Cincinnati, O.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Nash Engineering Co., South Norwalk, Conn.
National Brake & Electric Co., ft Belleview pl, Milwaukee, Wis.
Nordberg Mfg. Co. (Steam or Diesel Engine Driven), Chicago & Oklahoma av, Milwaukee, Wis.
Norwalk Iron Works Co. (Acetylene, Hydrogen & Oxygen), South Norwalk, Conn.
Selas Co., 521 W 23d, New York
Spang & Co., Butler, Pa.
**WORTHINGTON PUMP & MACHY. CORP.** (For Acetylene, Carbonic Acid, Coal, Natural and Oxygen Gas), 115 B'way, New York
*See adv index at end of book*
Young E. R. & Sons, Titusville, Pa.

## 2962—Compressors (Gasoline)

Abenaque Machine Works (Portable on Truck), Westminster Station, Vt.
Bury Compressor Co., Erie, Pa.
Chambersburg Foundry & Machine Co., Chambersburg, Pa.
**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th, New York
*See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Midwest Engine Co. (Gasoline Driven), Indianapolis, Ind.

## 2963—*Compressors (Gasoline Extraction)

Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Sullivan Machinery Co., Peoples Gas bldg., Chicago, Ill.

## 2964—Compressors (Hydraulic, for Web or T Rails, Etc.)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

## 2965—Compressors (Hydro - Turbine)

Nash Engineering Co., So Norwalk, Conn.

## 2966—*Compressors (Low Pressure)

**INGERSOLL-RAND CO.,** 11 B'way, New York *See adv index at end of book*

## 2967—*Compressors (Mine Car)

Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*

## 2968—Compressors (Motor Driven)

A. F. S. Machine Co., 531 S St. Clair, Toledo, O.
Bury Compressor Co., Erie, Pa.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Sullivan Machinery Co. (On Mine Truck, etc), People's Gas bldg, Chicago, Ill.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## 2969—*Compressors (Oil Engine Driven)

Ingersoll-Rand Co., 11 B'way New York
*See adv index at end of book*

## 2970—Compressors (Oxygen & Hydrogen Gas)

Busch J. C. Co. (For Welding Plants), 140 Ferry, Milwaukee, Wis.
**ELECTROLABS CO.,** 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
**INGERSOLL-RAND CO.,** 11 B'way, New York *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, Ohio
*See adv index at end of book*
Norwalk Iron Works Co. ("Norwalk"), South Norwalk, Conn.
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## 2971—Compressors (Spraying)

Bury Compressor Co., Erie, Pa.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*

## 2971a—Compressors (Sulphur Dioxide)

Hercules Engineering Corp., 501 Fifth av, New York

## 2972— *Compressors (Turbo)

**INGERSOLL-RAND CO.,** 11 B'way, New York *See adv index at end of book*
Spencer Turbine Co., Hartford, Conn.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 2973—Compressors (Water Jet, Air)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## Comptometers

See Adding Machines

## 2974— Concentrates

Beer Sondheimer & Co., Inc. (Copper Agents), 61 B'way, New York
Hardy Chas., Inc. (Broker), Park Row bldg., New York

## 2975— Concentrators

American Zinc, Lead & Smelting Co. (Lead & Zinc), 120 B'way, New York
United Iron Works Inc., Kansas City, Mo.

## 2975a— Concentrators (Acid)

Am. Lead Burning Corp. (Sulphuric), 30 Church, New York
Bethlehem Fdy & Machine Co. (Sulphuric), Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Chemical Construction Co. ("Chemco" For Sulphuric & Phosphate Acid), Charlotte, N. C.
Duriron Castings Co., Dayton, O.
General Ceramics Co., 50 Church, New York
Kalbperry Corp, 31 Union sq, New York
Knight, Maurice A., Akron, O.
Pratt Engineering & Machine Co., Atlanta, Ga.
Thermal Syndicate, Ltd., 50 E. 41st, New York

## 2975b—Concentrators (Alcohol, Crude)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*

## 2976—Concentrators (Ammonia)

Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Michigan Ammonia Works, ft Meldrum av, Detroit, Mich.
**WESTERN GAS CONSTRUCTION CO.,** Fort Wayne, Ind.

## 2976a—Concentrators (Magnetic)

**DING'S MAGNETIC SEPARATOR CO.,** 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

## 2977— Concentrators (Ore)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Buchanan C. G. Co., 90 West, New York
Butchart W. A., Mercantile bldg., Denver, Colo.
Colorado Iron Works Co. ("Simplex," "A. & E."), Denver, Colo.
Deister Concentrator Co. ("Deister" & 'Deister Overstrom"), Fort Wayne, Ind.
Deister Machine Co., Fort Wayne, Ind.
Denver Engineering Works Co., Denver, Colo.
Dwight & Lloyd Sintering Co. (For Roasting & Sintering Ores), 29 B'way, New York
Eccleston Machinery Co., Los Angeles, Cal.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Huff Electrostatic Separator Co. ("Huff," Electrostatic), 60 India, Boston, Mass.
International Concentrator Co. (Dry), 149 B'way, New York
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
Knoxville Foundry & Machine Co. (For Low Crude Oil), Knoxville, Tenn.
Llewellyn Iron Works ("New Standard"), Los Angeles, Cal.
McFarlane-Eggers Machy. Co. ("Bumper"), Denver, Colo.
Mashek Engineering Co., 90 West, New York
Mecklenburg Iron Works, Charlotte, N. C.
Mine & Smelter Supply Co. ("Wilfley"), 42 B'way, New York
Moyle E. H. Engineering & Equipment Co. ("Moyle" Portable), 508-9 E 9th, Los Angeles, Cal.
Overstrom Mfg. Co., Montgomery, San Francisco, Cal.
Portage Lake Foundry & Machine Co., Hancock, Mich.
Salt Lake Engng. Works, Salt Lake City, Utah
Senn Concentrator Co., First Nat'l Bank bldg, San Francisco, Cal.
**SINTERING MACHINERY CORP** (For Roasting and Sintering Ores), Netcong, Morris Co., N. J.
*See adv index at end of book*
Sutton, Steel & Steel ("S. S. & S.", Dry), Dallas, Tex.
Ticonderoga Machine Works (Pneumatic), Ticonderoga, N. Y.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
United Iron Works Inc. ("Ford") Complete Plants for Lead & Zinc Ores, etc), Kansas City, Mo.
Webb City & Carterville Foundry & Machine Works, Webb City, Mo.
Western Iron Works, Butte, Mont.
Woodbury Geo. E ("New Woodbury"), 238 Townsend, San Francisco, Cal.
**WORTHINGTON PUMP. & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## 2978—Concentrators (Vacuum)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Oat Joseph & Sons, 232 Quarry, Phila., Pa.
Scott Ernest & Co. ("Scott'), Fall River, Mass.

## 2979— Concrete Binder

Corrugated Bar Co., Mutual Life bldg, Buffalo, N. Y.
Eastern Expanded Metal Co., 65 Franklin, Boston, Mass.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*

## 2980—Concrete Block Machinery

See Cement Brick Machines, also Concrete Building Block Machinery

## 2981— Concrete (Bond)

Living-Stone Co. ("Living-Stone"), Baltimore, Md.
Ransome Concrete Machinery Co., ("Ransomite"), Dunellen, N. J.

## 2981a— Concrete Breakers (Traction)

Buckeye Traction Ditcher Co. (& Asphalt Breakers), (For Street Work), Findlay, Ohio.

## 2982— Concrete Carts

Grayson Iron Foundry Co., Reading, Pa.
**JACKSON MFG. CO.,** Fourth & Boyd, Harrisburg, Pa.
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST
The LAKEWOOD ENGINEERING Co.
CLEVELAND. OHIO. U.S.A.

## 2982a— *Concrete Chutes

See also Chutes-Concrete
Lakewood Engineering Co. (Line Gates, Two-Way Hopper Switch, Elbow Sections, Hopper Sections), Cleveland, O
*See adv index at end of book*

## 2982b—*Concrete Chuting Systems

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## Concrete Construction

See Concrete Steel Construction, Reinforced; also Contractors, General

## 2983-4—Concrete Curb (Steel Bound)

Clip Bar Mfg. Co. ("Clip-Bar" Galvanized Curb Guard & Reinforcement), 26th & Penna., Phila., Pa.
Concrete Steel Co., 42 B'way, New York
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Steel Protected Concrete Co. ("The Wainwright"), Real Estate Trust bldg, Phila., Pa.

## 2985—Concrete Floors & Arches

See also Concrete Steel Construction, Reinforced; also Fireproofing, Various Systems
American Concrete Steel Co., 27 Clinton av, Newark, N. J.
Anti-Hydro Waterproofing Co., 9 Orchard, Newark, N. J.
Asbestos Protected Metal Co., Beaver Falls, Pa.
Barber Asphalt Paving Co. ("Bromley" System), Phila., Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Flat Slab Patents Co, 332 S Michigan av, Chicago, Ill.
Gaidry L. R. ("Ironite"), Title Guarantee bldg, New Orleans, La.
Klotz A., 2517 Washington av, New York
Monsted A. Co., Milwaukee, Wis.
National Concrete Fire-Proofing Co., Citizens bldg, Cleveland, O.
Special Service Flooring Corp., Grand Central Terminal, New York
*See adv index at end of book*
Standard Concrete Steel Co., 105 W. 40th, Cleveland, O.
Turner Construction Co. (System), 244 Madison av, New York
Wood-Mosaic Co. (Steel Woven Wood Block, Concrete Floors), New Albany, Ind.

## 2986— Concrete Forms

See also Centering, Steel; also Forms, Curb & Sidewalk
American Bridge Co., 30 Church, New York
American Cement Machine Co., Keokuk, Ia.
American Metal Form Co. ("American"), 343 S Dearborn, Chicago, Ill.
Blaw-Knox Co. ("Blawforms"), Farmers Bank bldg, Pittsburgh, Pa.
Carey Concrete Co. (And Concrete Products all kinds), Grand Rapids, Mich.
Collapsible Joist Form Co. (For Building), Finance bldg, Kansas City, Mo.
Ford Meter Box Co. (For Water Works), Wabash, Ind.
**HELTZEL STEEL FORM & IRON CO.** (Concrete Construction), Warren, O.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Hydraulic Pressed Seel Co. (Steel), 3152 E 61st, Cleveland, O.
McCoy Silo Form Co. (Silo Forms), Bakewell bldg, Pittsburg, Pa.
Merillat Culvert Core Co. (Adjustable, Collapsible, etc), Winfield, Ia.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Overturf C. W. (Overturf Collapsible Culvert Mold), Dumont, Ia.
Pearson & Ludascher Lumber Co., Westmoreland & Delaware, Phila., Pa.
Reichert Mfg. Co. (Metal), 1440 Booth, Milwaukee, Wis.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Witherow Steel Co., Keystone bldg, Pittsburg, Pa.

## Concrete Forms (Collapsible)

See Centering, Steel

## 2987—Concrete Hanger Supports

Racky Albert C. ("Hallo"), 531 S 5th av, Chicago, Ill.

## 2988— Concrete Inserts

Concrete Steel Co. ("Havemeyer"), 42 B'way, New York
Dayton Malleable Iron Co. ("Bigelow," "Dayton"), Dayton, O.
Dean Olney J. & Co., 179 W Washington, Chicago, Ill.
**DIAMOND EXPANSION BOLT CO.** ("Diamond"), 87 West, New York
*See adv index at end of book*
**DONLEY BROS. CO.,** 3625 E. 74th, Cleveland, O. *See adv index at end of book*
Duplex Hanger Co. (Shaft & Rope Hanger), E 53d & Lakeside av, Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Knapp Bros. Mfg. Co., 2419 W 14th, Chicago, Ill.
Paine Co., 140 S Dearborn, Chicago, Ill.
Philadelphia Expansion Bolt Co. ("Monarch"), 124 North 6th, Phila., Pa.
Richmond Screw Anchor Co., 61 Park Row, New York
Rockwood Sprinkler Co. ("R. S. Co." Adjustable), Worcester, Mass.
Security Insert Co. ("Security"), 33d & Arch, Phila., Pa.
**STAR EXPANSION BOLT CO.** ("SEBCO"), 145 Cedar, New York
*See adv index at end of book*
Trucon Steel Co. ("Trus-Con" Pressed Steel Slotted, "Trus-Con," "National," "Kahn" Adjustable), Youngstown, O.

## 2989-90—Concrete Mixers

Acme Road Machinery Co., Frankfort, N. Y.
Albany Hardware Specialty Mfg Co. ("Albany"), Albany, Wis.
American Cement Machine Co. ("Steel King," "Little Boss"), Keokuk, Ia.
Anderson W. H. Tool & Supply Co., 184 Bush, Detroit, Mich.
Archer Iron Works, 2436 W 34th pl, Chicago, Ill.
Associated Mfrs. Co. ("Amanco"), Waterloo, Ia.
Atlas Engineehing Co., 3009 Lisbon av, Milwaukee, Wis.
**AUSTIN MACHINERY CORP.,** Railway Exchange bldg., Chicago, Ill.
*See adv index at end of book*
Austin W. E. Machinery Co. ("Ausco"), Atlanta, Ga.
Badger Concrete Mixer Co. ("Badger"), First Nat. Bk. bldg, Milwaukee, Wis.
Blaw-Knox Co. ("Blaw Ransome"), Freeport rd, Hoboken, N. J.
Blystone Mfg. Co. ("Blystone," Batch), Cambridge Springs, Pa.
Bolte Mfg. Co. ("Handy," "Bolte"), Kearney, Neb.
Braqstad Concrete Machy. Co., Inc., Canton, S. Dak.
Buckeye Engine & Foundry Co. ("Buckeye"), Joliet, Ill.
Buffalo Contractors Equipment Co. (Automatic), Buffalo, N. Y.
Carlin, John H. Machine Co., Pittsburgh, Pa.
Cement Machinery Co. ("Systematic"), Jackson, Mich.
Cement Tile Machinery Co. ("S. S. Line"), Waterloo, Ia.
Chain Belt Co. ("Chain Belt"), Milwaukee, Wis.
Chicago Builders' Specialties Co. ("Little Devil"), 11 S La Salle, Chicago, Ill.
Clarke F. H. Mfg. Co., 10719 Superior av, Cleveland, O.


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MODERNIZE the new home with the following household devices:

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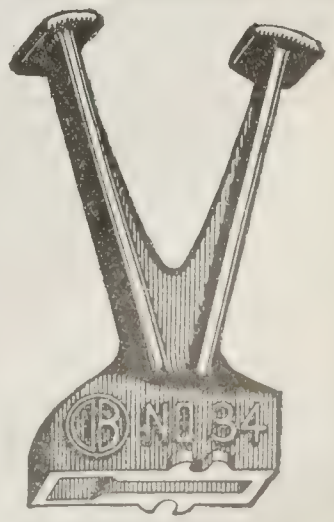


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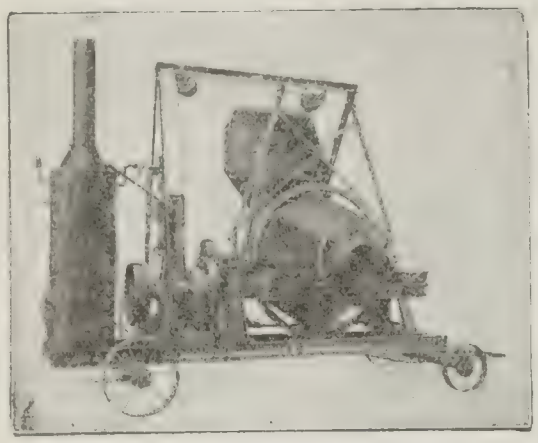

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CONCRETE MIXERS—continued

Clover Leaf Machine Co., South Bend, Ind.
Colorado Concrete Mixer Co. ("Colorado"), Denver, Colo.
Cream City Boiler Co., 37th av & Lapham, Milwaukee, Wis.
Cropp & Co. ("Cropp"), 2334 W Kinzie, Chicago, Ill.
Cummings Machine Co. (Batch), Minster, Ohio
Davis Norris K. Machine Wks, 400 7th, San Francisco, Cal.
Demorest Mfg. Co. ("New State," Hand & Power), Enid, Okla.
Dunn W. E. Mfg. Co., Holland, Mich.
Dyar Supply Co., Cambridge, Mass.
*See adv index at end of book*


**BUILDING MIXERS AND STREET PAVING MIXERS**
**DYAR SUPPLY CO., CAMBRIDGE, MASS.**


Elite Mfg. Co. ("Low Down" Forced Feed), Ashland, O.
Eureka Machine Co. ("Eureka"), Lansing, Mich.
Excelsior Mixer & Machinery Co. ("Excelsior"), Milwaukee, Wis.
Famous Mfg. Co., East Chicago, Ind.
Farmers' Cement Tile Machine Co. (Batch Mixers), St. Johns, Mich.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Foote** Concrete Machy. Co. (Road Paving), 1324 S Michigan av, Chicago, Ill.
Foote Co. ("Foote" Batch), Nunda, N. Y.
Frank Mfg. Co., Des Moines, Ia.
Garfield & Co., 1232 Hearst bldg., San Francisco, Cal.
Gray Iron Foundry Co., Reading, Pa.
Grayson Iron Foundry Co., Reading, Pa.
Green Machinery & Mfg. Co., Dayton, O., & Salt Lake City, Utah.
Hall-Holmes Mfg. Co. ("Grand," "Hartwick"), Jackson, Mich.
Ideal Concrete Machinery Co. ("Ideal" & "Cincinnatus"), 1346 Monmouth av, Cincinnati, O.
Interstate Equipment Co., South Bend, Ind.
Iowa Fdry & Mfg. Co. (Batch Mixer), Fort Dodge, Ia.
Jaeger Machine Co. ("Big-an-Little" Batch), 490 Dublin av, Columbus, O.
Joubert & Goslin Machine & Fdry Co., Birmingham, Ala.
**Kent** Machine Co. ("Kent," Continuous), Kent, O.
**Knickerbocker** Co. ("Coltrin"), Jackson, Mich.
**LAKEWOOD ENGINEERING CO.** ("Lakewood" Rail Truck, "Milwaukee," "Universal" & "Wisconsin"), Cleveland, O.
*See adv index at end of book*


LAKEWOOD BUILT TO LAST — The LAKEWOOD ENGINEERING Co. CLEVELAND, OHIO, U.S.A.


**Lansing Co. ("Broncho" & "Northwestern" Batch, "Advance," "1913," "Lansing" Continuous), Lansing, Mich.**

Marsh-Capron Mfg. Co. ("M-C" Rail Track Mixers), 332 S Michigan av, Chicago, Ill.
Miles Co. ("Simplex"), Jackson, Mich.
Milwaukee Concrete Mixer Co. ("Milwaukee"), 955 30th, Milwaukee, Wis.
Northfield Iron Co. ("Northfield"), Northfield, Minn.
Northwestern Steel & Iron Works, Eau Clair, Wis.
Oshkosh Mfg. Co. ("Oshkosh"), Oshkosh, Wis.
Overturf C. W., Dumont, Ia.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Pneumatic Concrete Machinery Co., Wilson av, Newark, N. J.
Raber & Lang Mfg. Co. ("Crescent" Continuous, "Bull Dog" Batch), Kendallville, Ind.
Ransome Concrete Machinery Co. ("Oshkosh"), (Power & Gravity), Dunellen, N. J.
Rapid Mixer Co. ("Rapid" Portable Heater Mixer), Grand Rapids, Mich.
Republic Iron Wks., Tecumseh, Mich.
Schaefer Mfg. Co., Berlin, Wis.
Schramn Chas D. & Son, Inc., 709 Arch, Phila., Pa.
Sheldon Mfg. Co., Nehawka, Neb.
Silo Specialty Mfg. Co., Clinton, Ia.
Sioux City Engine & Machinery Co. ("McCracken"), Sioux City, Ia.
**SMITH T. L. CO., THE** ("Smith" Tilting and "Smith" Non-Tilting Power Mixers; and "Smith" Hand Mixers), 1151 32d, Milwaukee, Wis.
Speed Machine Co., Passaic, N. J.
Standard The Scale & Supply Co. ("The **Standard"), 1631 Liberty av, Pitts**burgh, Pa. *See adv index at end of book*
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Svenson-Shuman Machine Co. ("Svenson"), Oliver bldg, Pittsburgh, Pa.
Sybilla Elevator & Mfg. Co., Chattanooga, Tenn.
Tucker, Geo. C. Co., 53 W Jackson blvd, Chicago, Ill.
Turner Mfg. Co. ("Simplicity"), Port Washington, Wis.
Twentieth Century Mixer Co. ("20th Century"), Connersville, Ind.
United Engine Co. ("United" Batch), Lansing, Mich.
Waterloo Cement Machinery Corp. ("Polygon," "Little Wonder Fine," "Wonder Ten"), Waterloo, Ia.
Wegge E. Concrete Machinery Co., La Crosse, Wis.
Western Mfg. Co., Oskaloosa, Ia.
**WILSON MACHINERY CO.,** 301-331 W 35th, Chicago, Ill.
*See adv index at end of book*
Wisconsin Farm Implement Co. ("Wisconsin"), Beloit, Wis.

## 2991—Concrete Mixers for Street Paving

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chcago, Ill.
*See adv index at end of book*
Ransome Concrete Machinery Co., Dunellen, N. J.
**WILSON MACHINERY CO.,** 301-303 W. 35th, Chicago, Ill.

## 2992—Concrete Reinforcing Bars (Iron & Steel)

See also Concrete Reinforcing Materials. This list contains only the Rolling Mills who roll this material, with the exception of advertisers who appear in Black Type
**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
Armstrong Geo. W. & Co. Inc. (Iron & Steel Square Gold Twisted Bars From ⅜ to 1¼ inches up to 120 Feet in Length), Fort Worth, Texas
Ashland Steel Co. (Bessemer Steel), Ashland, Ky.
Atlantic Steel Co. (Open Hearth Steel, Twisted, Plain & Corrugated Bars Up to 80 Feet), Atlanta, Ga.
Bethlehem Steel Co. (Bessemer & Open Hearth Steel Plain Rounds, Squares of Merchant Mill Lengths), S. Bethlehem, Pa.
Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Calumet Steel Co. (Bessemer Steel, Round & Deformed Square of Any Length), 208 S La Salle, Chicago, Ill.
Cambria Steel Co. (From ¼ to 1¼ Inches), Widener bldg, Phila., Pa.
Carnegie Steel Co. (Bessemer & Open Hearth Steel), Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co. (Iron & Open Hearth Steel, Twisted & Corrugated Bars From ¼ to 1½ Inches Up to 60 Feet), Denver, Colo.
Columbia Steel Co., 503 Market, San Francisco, Cal.
Concrete Steel Co. ("Havemeyer Deformed"), 42 B'way, New York
Crucible Steel Co. of America (Steel Squares From ¼ to 1¼ Inches & Assorted Sizes of Flats & Twisted Up to 60 Feet), Oliver bldg, Pittsburgh, Pa.
Davis Bros., 29th & Bristol, Phila., Pa.
**DEAN OLNEY J. & CO.,** 179 W Washington, Chcago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**FISHEL & MARKS CO.,** ft. of Krakow av, Cleveland, Ohio.
*See adv index at end of book*
Fort Wayne Iron Steel Rolling Mills (Iron & Soft Steel Bars Up to 60 Feet), West Taylor, Fort Wayne, Ind.
*See adv index at end of book*


**Reinforcing Bars for Concrete**
**Rounds, Squares and Squares Twisted**
**Prompt Service**
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**West Taylor St., Fort Wayne, Ind.**


**Franklin Steel Works (Twisted Rounds & Squares ¼ to 1¼ Inches & Flats from ⅛x1 to ⅜x2½ Inches Up to 60 Feet), Franklin, Pa.**

Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Gulf States Steel Co. (Cold Twisted Squares, Plain Squares & Plain Rounds), Birmingham, Ala.
Hydraulc Steelcraft Co., Cleveland, Ohio
Illinois Car & Mfg. Co., 20 W Jackson blvd, Chicago, Ill.
Illinois Steel Co. (Cold Twisted Square, Plain, Round, Flat & Square Bars, etc), 208 S La Salle, Chicago, Ill.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
**INLAND STEEL CO.** (Open Hearth & Rail Carbon Steel Rounds, Squares, and Deformed Bars Up to 85 Feet in Length), First Natl. Bk. bldg, Chicago, Ill.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Jones & Laughlin Steel Co. (Bessemer & Open Hearth Steel Diamond Bars & Twisted Squares, Any Size), Ross, Pittsburgh, Pa.
**KALMAN PAUL J. CO.**, 22 W. Monroe, Chicago, Ill.
Kansas City Bolt & Nut Co. (Steel ¼ to 1¼ in. Twisted Squares, Plain Rounds & Squares, Deformed Bars Up to 60 ft.), Kansas City, Mo.
Lackawanna Steel Co. (Bessemer & Open Hearth Steel ¼ to 1¼ Inch Twisted Squares, Plain Rounds & Squares & "Maxwell" & Corrugated Bars Up to 60 Feet), Buffalo, N. Y.
Laclede Steel Co. (Twisted Squares, Deformed Rounds & Squares; sizes ⅜ to 1¼ inch), Arcade bldg., St. Louis, Mo. Works: Madison, Ill.
Lebanon Valley Iron & Steel Co. (Iron & Steel Bars, All Sizes & Any Length), Lebanon, Pa.
Lockhart Iron & Steel Co. (Iron & Steel Rounds, Flats, Squares, Hexagons, etc), Pittsburgh, Pa.; Works: McKees Rocks, Pa.
Logan Iron & Steel Co. (Iron & Bessemer & Open Hearth Steel Plain Rounds, Flats & Squares), St. Girard bldg. Phila., Pa.
Lukens Steel Co., Coatesville, Pa.
Marion Malleable Iron Works (Bar Couplings), Marion, Ind.
Moss J. E. Iron Works, Wheeling, W. Va
**Pacific Coast Steel Co (Bars, Round** Square & Flat, Steel Deformed Bars), **Rialto bldg, San Francisco, Cal.**
Pardee C. Works (Open Hearth Steel Full Length Rounds & Twisted Squares), Perth Amboy, N. J.
Paterson-Leitch Co. (Jobbers), 936 E 67th, Cleveland, O.
Railway Steel Spring Co. (Open Hearth Steel—Rounds, Squares & Deformed Bars From ¼-Inch to 2-Inch Rounds & Up to 100 Feet in Length), 30 Church, New York.
Republic Iron & Steel Co. (Iron & Bessemer & Open Hearth Steel Rounds, Squares & Deformed or Twisted Bars of Any Length Up to 90 Feet), Youngstown, O.
*See branch offices alphabetical section*
Rockaway Rolling Mill (Iron & Open Hearth Steel Rounds, Flats, Squares etc, Any Length), Rockaway, N. J.
Rownson, Drew & Clydesdale, Inc., 80 Wall, New York
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Soule Edward L. Co., (Corrugated & Twisted), Rialto bldg, San Francisco, Cal. *See adv index at end of book*
Southern California Iron & Steel Co. (Plain or Deformed), E 4th & Mateo, Los Angeles, Cal.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Sweets Steel Co. (Open Hearth Steel Diamond Bars From ¼ to 1¼ Inches Up to 75 Feet in Length), Williamsport, Pa.
Sylvester Co. (Iron & Steel Plain Rounds, Squares, etc, Any Length), 141 Milk, Boston, Mass.
Tennessee Coal, Iron & R. R. Co. (Open Hearth Steel Rounds & Squares), Birmingham, Ala.
Tucker Edw. A. Co., 101 Milk, Boston, Mass.
Upson Nut Co. (Twisted Bars), Cleveland, O
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.
Witherow Steel Co., Keystone bldg, Pittsburgh, Pa.
Woods, Huddart & Gunn, 444 Market, San Francisco, Cal.

## 2993—Concrete Reinforcing Materials

See also Concrete Reinforcing **Bars**

American Concrete Steel Co., 27 Clinton, Newark, N. J.
**AMERICAN STEEL & WIRE CO.** (Triangle Mesh), 208 La Salle, Chicago, Ill. *See adv index at end of book*
American System of Reinforcing ("American" Systems of Rods & Wire Fabric, Zigzag Beam Wrapping, etc), 10 S La Salle, Chicago, Ill.
American Wire Fence Co. (Wire Fibre), 10 S La Salle, Chicago, Ill.
Ashland Steel Co. (Corrugated & Twisted), Ashland, Ky.
Aspromet Co., First Nat'l Bank bldg, Pittsburgh, Pa.
Beckley Perforating Co. (Special Shapes), Garwood, N. J.
Berger Mfg. Co. ("Ferro Lithic" Interlocking Plates for Concrete), (Riplex ⅜ & ¾ inch plates), Canton, Ohio
Bostwick Steel Lath Co., Niles, O.
Bourne-Fuller Co. (Bars), Hickox bldg, Cleveland, O.
Brown Hoisting Machinery Co. ("Ferroinclave"), 4403 St. Clair, N E, Cleveland, O.
Buffalo Steel Co. (Twisted & Deformed, Plain Squares & Rounds), Tonawanda, N. Y.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Calumet Steel Co. (Steel Bars & Shapes, Plain & Deformed Squares and Rounds), 208 S La Salle, Chicago, Ill.
Cambria Steel Co. (Steel Bars), Widener bldg, Phila., Pa.
Campbell Wire Specialty Works (Wire Anchors, Rods, Wall Ties, Staples, etc), South Bend, Ind.
Carnegie Steel Co. (Twisted Steel Bars), Carnegie bldg, Pittsburgh, Pa.
Concrete Products Co., Finance bldg, Kansas City, Mo.
Concrete Steel Co. ("Havemeyer" Steel Bars, etc), 42 B'way, New York
Concrete Steel Engineering Co. (Steel Bars, etc) 13 Park Row, New York
Consolidated Expanded Metal Co.'s, Braddock, Pa.
Corrugated Bar Co. (Corrugated Steel Bars), Mutual Life bldg, Buffalo, N. Y.
Corrugated Bar Co., Boatmen's Bank bldg, St. Louis, Mo.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Electric Welding Co. ("Cummings System"), Benedum Trees bldg, Pittsburgh, Pa.
Expanded Metal Engng. Co., 8 W 40th, New York
Fort Wayne Rolling Mill Corp., Fort Wayne, Ind.
**FOUGNER CONCRETE STEEL COMPANY**, 29 B'way, New York
Franklin Steel Works (Steel Bars, Plain Rounds & Squares & Square Twisted), Franklin, Pa.
Gabriel Reinforcement Co. ("Gabriel" Reinforcing Bar), Penobscot bldg, Detroit, Mich.
General Fireproofing Co. ("Self-Sentering," Expanded Metal & Wire Fabric), Youngstown, O.
Goldsmith Metal Lath Co., 53 Central av, Cincinnati, O.
Hanson A P. & Son ("Unit" Spacing Bar), 1911 Emerson av, Chicago, Ill.
Hubbard & Co. (Ore Process for Reinforcing Wooden Poles), 63d & Butler, Pittsburgh, Pa.
Hunkins-Willis Lime & Cement Co., Century bldg, St. Louis, Mo.
Igoe Brothers (Wire Mesh), Canal & Lafayette, New York
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
**KALMAN PAUL J. CO.**, 22 W Monroe, Chicago, Ill.
Kansas City Bolt & Nut Co. (Steel Bars, Plain, Round & Square, Twisted Squares & Flat), Kansas City, Mo.
Laclede Steel Co. (Twisted Squares, Deformed Rounds & Squares, Sizes ¼ to 1½ inches), Arcade bldg, St. Louis, Mo. Works: Madison, Ill.
Mitchell-Tappen Co., 15 John, New York
Neevel Mfg. Co. ("U." Benders, Clamps, Reinforcing Supports & Wall Ties), Kansas City, Mo.
Northwestern Expanded Metal Co., Old Colony bldg, Chicago, Ill.
Page Steel & Wire Co. (Reinforcing Wire Fabric), Adrian, Mich.
Paterson-Leitch Co, 936 E 67th, Cleveland, O.
Reed Wire Specialties Co. Inc., 419 E 162nd, New York
Reinforced Concrete Co. (Twisted Steel Bars, Fabrics, Spirals, "Reco" Continuous Patent Stirrups), Arcade bldg., St. Louis, Mo.
Republic Iron & Steel Co. (Rounds, Flats, Squares & Cold Twisted Bars), Youngstown, O.
*See branch offices alphabetical section*


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*Several Great States Have so ruled*

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***fulfills every engineering requirement***

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Cleveland
Pittsburgh
Denver

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CONCRETE REINFORCING MATERIALS—continued

Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Smith A. L. Iron Works, (rods), 217 Everett av, Chelsea, Mass.
**Smith F. P. Wire & Iron Works (Spiral Column, Stirrups & Shear Bars for Concrete Beams, Columns, etc), 2340-2348 Clybourn av, Chicago, Ill.**
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Thomas Steel Reinforcement Co., Concrete Pavement), Majestic bldg., Detroit, Mich.**
**Truscon Steel Co. (Kahn System), Youngstown, O.**
Tucker, Edw. A. Co., 101 Milk, Boston, Mass.
Wickwire Spencer Steel Corp. (Electrically Welded Steel Wire Fabrics), Worcester, Mass. *See adv index at end of book*
Wight W. N. & Co. (Lock Woven Steel Fabric), 5 Beekman, New York

## 2994— Concrete Sockets

Liebrich Fred ("Bigelow" Adjustable Socket Bracket, &c., of Malleable Iron), Monadnock blk, Chicago, Ill.

## 2995—Concrete Steel Construction (Reinforced)

See also Contractors, Building & General

Aberthaw Cons. Co., 27 School, Boston, Mass.
Allbrecht A. & Co., Penobscot bldg., Detroit, Mich.
Almion Engineering & Contracting Co., 25 Church, New York
Altoona Concrete Construction & Supply Co., Altoona, Pa.
Ambursen Constr. Co. (Dams, Bulkheads, etc), 61 B'way, New York
American Concrete Paving Co., Buffalo, N. Y.
American Concrete Steel Co., 27 Clinton, Newark, N. J.
American Construction Co. (Dams, Bulkheads, etc), Marion bldg, Cleveland, O.
**Amsterdam Building Co., 140 W 42nd, New York**
Andrews Engineering Co., Bessemer bldg, Pittsburgh, Pa.
Arkansas Foundry Co., Little Rock, Ark.
**Asbestos Protected Metal Co., Beaver Falls, Pa.**
**Austin Construction Co., Matthews bldg, Milwaukee, Wis.**
**Barre Ferdinand Equitable bldg, Baltimore, Md.**
**Bates & Rogers Construction Co. (Heavy Bridge Work, etc), 37 W Van Buren, Chicago, Ill.**
Bentley A. & Sons Co., 201-241 Belmont av, Toledo, O.
**Bick J. N., The Nasby, Toledo, O.**
**Black Hawk Construction Co., Waterloo, Iowa**
Blome-Sinek Co., 139 N Clark, Chicago, Ill.
Boland C. P. & Co., 30 4th, Troy. N. Y.
Bostwick Steel Lath Co., Niles, O.
**Brown Hoisting Machinery Co. ("Ferro-inclave"), 4403 St. Clair, N E, Cleveland, O.**
**Brown John G., Witherspoon bldg, Philadelphia, Pa.**
**Buffalo Expanded Metal Co., 120 Hardwood pl, Buffalo, N. Y.**
**Campbell Wire Specialty Works (Wire Anchors, Rods, Wall Ties, Post Staples, etc), South Bend, Ind.**
**Carmichael Wm. P. Co., Williamsport, Ind.**
**Central Concrete Const. Co., Louisville, Ky**
Chesley, Earl & Heimbach, 20 Breckenridge, Buffalo, N. Y.
**Chickamauga Quarry & Const. Co., Chattanooga, ITenn.**
**Clough Concrete Construction Co., Quincy, Ill.**
**Concrete Construction Co., Empire bldg, Pittsburgh, Pa.**
Concrete Engineering Co., Omaha, Neb.
**Concrete Foundation Co., Sharp bldg, Kansas City, Mo.**
**Concrete Steel Bridge Co., Clarksburg, W. Va.**
**Concrete Steel Co., 42 B'way, New York**
Concrete & Steel Const. Co., Joplin, Mo.
Connelly J. Construction Co., Leader-News bldg, Cleveland, O.
**Consolidated Engineering Co., Calvert bldg, Baltimore, Md.**
**Corrugated Bar Co. (Corrugated Steel Bars), Mutual Life bldg, Buffalo, N. Y.**
Crane H. A. & Bro., 28 Fairmont av, Jersey City, N. J.
**Cranford Construction Co., Gerke bldg, Cincinnati, O.**
Cranford Paving Co., 2620 E N W, Washington, D. C.
**Crescent Concrete Co., Erie Co. Bank bldg, Buffalo, N. Y.**
**Cullen & Vaughn Co, 450 Dayton, Hamilton, O.**
Cullinan Thomas F. Co., Providence, R. I.
**Cummings Structural Concrete Co. ("Cummings" System), Benedum Trees bldg, Pittsburgh, Pa.**
**Curtiss & Dean, Hartford, Conn.**
**Denholm & Co., 622 E McMillan, Cincinnati, O.**
**Denton & Co., 7 E 42nd, New York**
**Drehmann Paving Co., 2622 Parrish, Philadelphia, Pa.**
Durolithic Co., Buffalo, N. Y.
Eastern Concrete Steel Co., Buffalo, N. Y.
Eid L. Concrete Steel Co., 1206 Liberty, Cincinnati, O.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Ensign G. W. Inc., Harrisburg, Pa.
**Expanded Metal Engineering Co. (Reinforced), 80 W 40th, New York**
Farbes Richd. J. H., Monadnock bldg San Francisco, Cal.
**Fath Construction Co., 4403 Perkins av, Cleveland, O.**
Fell Henry R. Co., Trenton, N. J.
Ferguson Hugh, Pittsburgh Life bldg, Pittsburgh, Pa.
Ferro-Concrete Construction Co., Richmond & Harriet, Cincinnati, O.
Foster & Creighton Co., Nashville, Tenn.
**FOUGNER CONCRETE STEEL COMPANY**, 29 B'way, New York
Fuller Iron & Steel Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**Gabriel Reinforcement Co. ("Gabriel" System), Penobscot bldg, Detroit, Mich.**
**General Construction Co., 3038 Galena, Milwaukee, Wis.**
General Fireproofing Co., Youngstown, O.
Gilsonite Contracting Co., Wainwright bldg, St. Louis, Mo.
**Godwin Const. Co., 251 4th av, New York**
**Goldsmith Metal Lath Co., 53 Central av, Cincinnati, O.**
**Gould Construction Co., Davenport, Ia.**
**Grant Geo. J. Construction Co., Exchange Bk. bldg, St. Paul, Minn.**
**Great Lakes Dredge & Dock Co., 104 S Michigan av, Chicago, Ill.**
**Greenfield Arthur (Inc.), (Reinforced Floors, etc), 204 E 26th, New York**
Guarantee Const. Co., 92 West, New York
**Harry S. J. Co., Connellsville, Pa.**
Harvey-Burden Const. Co., Central National Bank bldg, St. Louis, Mo.
**Heine Chimney Co. (The), 123 W Madison, Chicago, Ill.**
**Hennebique Construction Co., 1170 B'way, New York**
**Heyworth J. O., 606 S Michigan, Chicago, Ill.**
**Hinchman-Renton Fireproofing Co., Denver, Colo.**
**Hoeffer & Co., 133 W Wash'n, Chicago. Ill.**
**Horton Concrete Construction Co, Reliance bldg, Kansas City, Mo**
**Hudson Concrete Construction Co., 452 Montgomery, Jersey City, N. J.**
**Hunt Engineering Co., 513 Republic, Kansas City, Mo.**
**Industrial Engineering Co., 30 Church, New York**
Kalman Paul J. Co., 22 W. Monroe, Chicago, Ill.
**Kansas City Bridge Co., Kansas City, Mo.**
Kearns W. F. Co., John Hancock bldg., Boston, Mass.
Kraft A. B., York, Pa.
**Kidde Walter & Co., Inc., 140 Cedar, New York**
**Lafayette Engineering Co., Lafayette, Ind.**
**Lanquist & Illsley Co., 1100 N Clark, Chicago, Ill.**
Leighton H. N. & Co., 127 S 10th Minneapolis, Minn.
**Leonard Construction Co., 332 S Michigan, Chicago, Ill.**
**Ley Fred T. & Co., Inc., 499 Main, Springfield, Mass.; 185 Devonshire, Boston, Mass., & 19 W 44th, New York**
Lucius Engineering Co., Hartje bldg, Pittsburgh, Pa.
Lukens Steel Co., Coatesville, Pa.
**McKinnon Construction Co., 70 Water, Providence, R. I.**
**Masters & Mullen Const. Co., Rose bldg, Cleveland, O.**
**Memphis Bridge Co., Memphis, Tenn.**
Menke F. W. Stone & Lime Co., Quincy, Ill.
Midland Bridge Co., Midland bldg, Kansas City, Mo.
**Monolithic Silot & Const. Co., 122 S Michigan av, Chicago, Ill.**
Monsted A. Co., Pabst bldg, Milwaukee, Wis.
Moss J. E. Iron Wks., Wheeling, W. Va.
**Moyer Engineering & Construction Co., 375 Fulton, Brooklyn, N. Y.**
National Bridge Co. (Bridge Work a Specialty), Indianapolis, Ind.
National Concrete Co. (Bridges, etc), Trac. Terminal bldg, Indianapolis, Ind.
National Concrete Const. Co., Louisville, Ky.
National Concrete Fireproofing Co., Citizens bldg, Cleveland, O.
**National Supply & Construction Co., Ellwood City, Pa.**
N. E. Concrete Construction Co., 201 Devonshire, Boston, Mass.
**Neeld C. M. Construction Co., Oliver bldg, Pittsburgh, Pa.**
**Neuchatel Asphalt Co., 79 Tompkins, New York**
Nicola Building Co., Lambert & Penna av, Pittsburgh, Pa.
Northwest Bridge & Iron Co., Portland, Ore.
Osborn Engineering Co., (Designers of Grand Stands for Ball Parks, Driving Parks, etc), 2848 Prospect av, Cleveland. O.
**Otis Cement Construction Co., Hammond bldg, Detroit, Mich.**
Parsons & Lantry, 30 Church, New York
Philadelphia Contracting Co., 5622 Germantown, Phila., Pa.
**Pueblo Bridge Co. (Bridges, etc), Pueblo, Colo.**
**Puget Sound Bridge & Dredging Co., Seattle, Wash.**
Rackie Geo. & Sons Co., A. B. C. Line, Cleveland, O.
**Raymond Concrete Pile Co., 140 Cedar, New York**
**Read-Coddington Engineering Co., Niagara Falls, N. Y.**
**Reaugh Construction Co., 2835 E 51st, Cleveland, O.**
**Reinforced Concrete Co. (Consulting), Arcade bldg, St. Louis, Mo.**
**Richards - Neustadt Construction Co., Trust & Savings bldg, Los Angeles, Cal.**
Roberts & Schaefer Co. (Locomotive Coaling Stations, Coal Tipples & Power Houses), 332 S Michigan av, Chicago, Ill.
Robinson Dwight P. & Co., Inc., 125 E. 46th, New York
Robinson J. L. Construction Co., 1130 W Lafayette, Baltimore, Md.
Roos Bros., 2824 Stanton av W. H., Cincinnati, O.
Rust Engineering Co., Penna. bldg, Philadelphia, Pa.
Schillinger Bros. Co., 215 City Park av, Toledo, O.
**Schutz, Shreiner & Clyde Co., May bldg, Pittsburgh, Pa.**
**Simpson Bros. Corp., 166 Devonshire, Boston, Mass.**
Smith Arthur E., 220 Park av, New York
**SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.**
*See adv index at end of book*
Southern Ferro Concrete Co., Atlanta, Ga.
Sperry Engineering Co., 82 Church, New Haven, Conn.
**Standard Concrete Construction Co., 108 S La Salle, Chicago, Ill.**
**Stark N. M & Co. (Bridges, etc), Des Moines, Ia.**
**Sterling Engng. & Constr. Co., 720 Caswell blk, Milwaukee, Wis.**
Structural Concrete Co., Dayton, O.
Swenson Construction Co., Shubert Theater bldg. Kansas City, Mo.
Syracuse Bridge Co. (Bridges, Foundations, etc), Syracuse, N. Y.
**Talbott H. E. Co. (Bridges, Buildings, etc), City Nat'l Bk. bldg, Dayton, O.**
Topeka Bridge & Iron Co. (Bridges, etc., Topeka, Kan.
**Truscon Steel Co. (Kahn System), Youngstown, O.**
Tucker & Laxton, Charlotte, N. C.

Tucker & Vinton (Steel Concrete Structures), 216 E 41st, New York
Turner C. A. P. ("Mushroom" System), **627 1st av N, Minneapolis, Minn.**
Turner Concrete Steel Co., 1713 Sansome, Phila., Pa.
Turner Const. Co. ("Turner for Concrete" Reinforced Concrete Construction), 244 Madison av, New York
Vogt Alfred H., 185 Stevenson, San Francisco, Cal.
**Webber Construction Co., 29 W 34th, New York**
Weber Chimney Co. (Reinforced Concrete Chimneys, etc), McCormick bldg, Chicago, Ill.
Welland Edw. A., Clark & Independence, Cleveland, O.
West Construction Co., American bldg, Baltimore, Md.
White F. O. Construction Co., 183 River, Boston, Mass.
Whittaker & Diehl, Harrisburg, Pa.
Wisconsin Cement Const. Co., 1000 Humboldt av, Milwaukee, Wis.
Witherow Steel Co., Keystone bldg, Pittsburgh, Pa.

## 2995a— Condenser Tubes

(See also Tubes Condenser)

**AM BRASS CO.** (Brass & Admiralty), Waterbury, Conn. *For branch offices see adv index at end of book*

## 2996— *Condensers (Air)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 2997— Condensers (Ammonia)

Baker Ice Machine Co., Omaha, Neb.
Carbondale Machine Co., Carbondale, Pa.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Columbus Iron Works, Columbus, Ga.
**Kupferle Bros. Mfg. Co., 600 N 2d, St. Louis, Mo.**
Shipley Construction & Supply Co., ft. of Warren, B'klyn, N. Y.
Strobl Mfg. Co., 410 N Western av, Chicago, Ill. *See adv index at end of book*
**Triumph Ice Machine Co., Oakley, Cincinnati, O.**
**VILTER MFG. CO.,** 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.
York Mfg. Co., York, Pa.

## 2998—Condensers (Barometric)

**ALBERGER PUMP & CONDENSER CO.,** 140 Cedar, New York
Allis-Chalmers Mfg. Co. ("Tomlinson"), Milwaukee, Wis.
**Blake Pump & Condenser Co., Fitchburg, Mass.**
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**Devine J. P. Co., Buffalo, N. Y.**
Elliott B. K. (also Jet & Surface), 126 Sixth, Pittsburgh, Pa.
*See adv index at end of book*
Furman-Fisher Corp., 22 Church, New York. *See adv index at end of book*
**Ingersoll-Rand Co. ("Beyer" Counter-Current), 11 Broadway, New York**
*See adv index at end of book*
**KELLOGG M. W. CO., ("Bulkley"), 90** West, New York
*See adv index at end of book*

When writing to firms whose names appear in this book please mention HENDRICKS' COMMERCIAL REGISTER.

Mesta Machine Co., Pittsburgh, Pa.
*See adv index at end of book*

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Phoenix Iron Wks., Meadville, Pa.
Quintard Iron Works Co., 742 E 12th, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Wetherill Robt. & Co., Chester, Pa.
Wheeler C. H. Mfg. Co., Lehigh av & N 18th, Phila., Pa.
**WHEELER CONDENSER & ENGINEERING CO.,** Carteret, N. J.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 Broadway, New York
*See adv index at end of book*

## 2998a—*Condensers (Centrifugal)

**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 2998b—Condensers (Chemical)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Furman-Fisher Corp., 32 Church, New York. *See adv index at end of book*
Thermal Syndicate, Ltd., 59 E 41st, New York.

## 2999—Condensers (Chemical Works, Etc.)

Baeuerle & Morris, 932 N Front, Phila., Pa.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Devine J. P. Co., Buffalo, N. Y.
Durion Castings Co., Dayton, O.
Furman-Fisher Corp., 32 Church, New York. *See adv index at end of book*
Gerstein Bros. & Cooper, 3 W 3rd, South Boston, Mass.
Griscom-Russell Co., 92 West, New York
*See adv index at end of book*
Lummus Walter E. Co., 171 Milk, Boston, Mass.

## 2999a-1—Condensers (Copper)

Burkhard Thos. Inc., 494 Flushing av, B'klyn, N. Y.
Detroit Heating & Lighting Co., Detroit, Mich.
Furman-Fisher Corp., 32 Church, New York. *See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Oat Joseph & Sons, 232 Quarry, Phila., Pa.
Roos Chas. A., 429 E 91st, New York
Vulcan Copper Works Co., 120 Sycamore, Cincinnati, Ohio

## 2999a—Condensers (Distilled Water)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Pratt & Cadey Co. Inc. ("Davis"), Hartford, Conn.
Row & Davis Engineers, Inc. (Also Surface,), 90 West, New York
*See adv index at end of book*

## 2999b—Condensers (Eductors)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 3000— *Condensers (Ejector)

Devine J. P. Co., Buffalo, N. Y.
Worthington Pump & Mach'y Corp. ("Spirojector"), 115 Broadway, New York
*See adv index at end of book*

## 3001— Condensers (Electric)

Automatic Electric Co., 1001 W Van Buren, Chicago, Ill.
Bunnell J. H. & Co., 32 Park pl, New York
Condensite Co. of Am., Bloomfield, N. J.
Dubilier Condenser Co., 217 Centre, New York
Ely H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
**Electric Specialty Co., Cresco, Ia.**
**Foote, Pierson & Co., 160 Duane, New York**
Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
Pearce Fred'k Co., 20 Rose, New York
**STROMBERG - CARLSON TELEPHONE MFG. CO.,** Rochester, N. Y.
*See adv index at end of book*
Thompson-Levering Co. ("Peerless"), 325 Arch, Phila., Pa.
Warner Electric Co., Muncie Ind.
Western Electric Co., 463 West, New York

## 3002— Condensers (Gas)

See also Gas Works Apparatus & Construction

Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Cruse-Kemper Co., Ambler, Pa.
**Gas Machy. Co., 1900 Euclid av, Cleveland, Ohio**
Isbell Porter Co. (Primary & Secondary for Fresh or Salt Water), 46 Bridge, Newark, N. J.
Quintard Iron Works Co., 742 E 12th, New York
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
**Stacey Bros. Gas Construction Co., Sta P, Cincinnati, Ohio**
Stacey Mfg. Co., Big Four R R, Township av, Elmwood, Cincinnati, O.
Western Gas Construction Co., Ft. Wayne, Ind.

## Condensers (Independent)

See Condensers, Steam

## Condensers (Jet)

See Condensers, Steam

## 3002a—Condensers (Multi-Jet for Steam Engines, Turbines & Evaporators)

Schutte & Koerting Co., 1251 N. 12th, Philadelphia, Pa.

## 3002a-1—Condensers (Nitric Acid)

Acid Proof Iron Products Co., 49 Herman, Newark, N. J.
Bethlehem Fdy. & Machine Co., Bethlehem, Pa.
Duriron Castings Co., 90 West, New York
General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, O.
Lehigh Fdy Co., Fullerton, Pa.
Thermal Syndicate Ltd., 50 E 41st, New York

## 3002b—Condensers (Obnoxious Vapor)

Furman-Fisher Corp., 32 Church, New York. *See adv index at end of book*
Schutte & Koerting Co., 1251 N. 12th, Philadelphia, Pa.

## 3003—Condensers (Oil Refining)

**HAMMOND IRON WORKS,** Warren, Pa.
*See adv index at end of book*
Petroleum Iron Works Co. ("Leman," "Counter Current"), Sharon, Pa.
Standard Boiler & Plate Iron Co., Niles, O.
Teachout H. E. Boiler Works, E 37th & Erie R. R., Cleveland, O.

## 3004—Condensers (Reflecting, For Dark-Field Illumination)

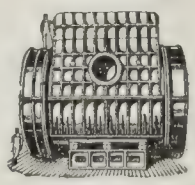
Leitz Ernest, 30 E 18th, New York

## 3004a— Condensers (Reflux)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Bethlehem Fdy. & Machine Co., Bethlehem, Pa.
Buffalo Fdy. & Machine Co., 65 Winchester, Buffalo, N. Y.
*See adv index at end of book*
General Ceramics Co., 50 Church, New York
Knight, Maurice A., Akron, O.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Stevens Bros., 85 Liberty, N. Y.
Thermal Syndicate Ltd., 50 E 41st, New York

## 3005— Condensers (Steam)

**ALBERGER PUMP & CONDENSER CO.** (Jet & Surface, "Wainwright"), 140 Cedar, New York
Allis-Chalmers Mfg. Co. (Jet), Milwaukee, Wis.
American Condenser & Engng. Corp., 120 B'way, New York
**American Engineering Co. (Surface for Marine Work), Aramingo av & Cumberland, Phila., Pa.**
American Steam Pump Co. (Jet & Surface), Battle Creek, Mich.
American Well Works (Surface, waterworks Type & Jet, Law Level Type, Steam Turbine Driven Units), 112 N Broadway, Aurora, Ill.
Baeuerle & Morris (Surface, Brass, Copper, Iron, Steel & Block Tin), 932 N Front, Phila., Pa.
Baker Ice Machine Co. (Surface), Omaha, Neb.
Blake Pump & Condenser Co. (Air & Steam Turbine, etc), Fitchburg, Mass.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Buffalo Steam Pump Co. (Jet, Surface, etc), Buffalo, N. Y.
Butler Mfg. Co. ("B. M. C." Flask), Kansas City, Mo.
**CAMERON A. S. STEAM PUMP WORKS** (Jet, Barometric, Surface, etc), Bowling Green bldg, New York
*See adv index at end of book*
Cresson-Morris Co. ("Beyer" Patent), Allegheny & 18th, Phila., Pa.
Davidson M. T. Co. (Surface & Jet), 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Dean Bros. Steam Pump Works (Jet & Surface), 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO., East** Trenton, N. J. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Epping-Carpenter Pump Co. (Surface & Jet), ft 43d, Pittsburgh, Pa.
Eynon-Evans Mfg. Co., N 15th, Clearfield, Philadelphia, Pa.
Flynn W. S., 76 Hudson, Jersey City, N. J.
Great Lakes Engineering Works (Twin Vertical Air Pump Condenser Combined, for Salt, Sugar & Chemical Works), Real Est. Exch. bldg.), Detroit, Mich.
Griscom-Russell Co. ("Goubert" Surface, 92 West, New York
*See adv index at end of book*
Hewes & Phillips Iron Works ("Venturi" Independent), 8 Orange, Newark, N. J.
**Ingersoll-Rand Co. ("Beyer," Barometric), 11 Broadway, New York**
*See adv index at end of book*
Jackson Byron Iron Works, Berkeley, Cal.
Joubert & Goslin Machine & Foundry Co., Birmingham, Ala.
Kellogg M. W. Co. ("Bulkley"), 90 West, New York *See adv index at end of book*
Kelby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Leitz Ernest, 30 E 18th, New York
Manistee Iron Works Co. (Rotary Jet), Manistee, Mich.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co., Upper Sandusky, Ohio
Nordberg Mfg. Co. (Independent, Jet & Surface), Chicago & Oklahoma av, Milwaukee, Wis.
Northern Fire Apparatus Co., 2242 Union av, S. E. Minneapolis, Minn.
*See adv index at end of book*
Northwestern Iron Works, Seattle, Wash.
Phoenix Iron Wks. Co., Meadville, Pa.
Puget Sound Machinery Depot, 318 1st av, So Seattle, Wash.
Quintard Iron Works Co. (Surface), 742 E 12th, New York
**ROW & DAVIS, ENGINEERS, INC.,** 90 West, New York
*See adv index at end of book*
Schutte & Koerting Co., 1251 N. 12th, Philadelphia, Pa.
Scranton Pump Co. (Jet Condensers & Pumps), Scranton, Pa.
Smalley-General Co., Bay City, Mich.
Southwark Foundry & Machine Co. ("Weiss"), 430 Washington av, Philadelphia, Pa.
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
Standard Water Systems Co. ("Tripure," Multicoil & Straight Tube Type), Hampton, N. J.
Stewart Heater Co., N Tonawanda, N. Y.
**THROPP'S JOHN E. SONS CO.** (Surface), ft of Lewis, Trenton, N. J.
*See adv index at end of book*
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Union Steam Pump Co., Battle Creek Mich.
Vertical Condenser Co. ("Zeigler" Vertical Combined Condenser & Re-Boiler), Gerke bldg, Cincinnati, O.
**VILTER MFG. CO.,** 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.
Warren Steam Pump Co., Warren, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Surface, Barometric & Jet), East Pittsburgh, Pa.
*See adv index at end of book*
Wheeler C. H. Mfg. Co., Lehigh & N 18th, Phila., Pa.
**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler" Admiralty Surface, Rectangular Jet & "Wheeler-Volz" Combined Condensers & Feed Water Heaters), Carteret, N. J.
*See adv index at end of book*

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**WORTHINGTON PUMP & MACHY. CORP.** (Water Works Type, Jet, Self-Cooling Cylindrical & Rectangular Surface, etc.), 115 B'way, New York
*See adv index at end of book*

## 3006—Condensers (Steam Turbine)

American Condenser & Engng. Corp., 120 B'way, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.** ("Westinghouse Leblanc"), East Pittsburgh, Pa. *See adv index at end of book*
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## Condensers (Surface)

See Condensers, Steam

## 3007— Condensers (Telephone)

American Elec. Co., 6401 S State, Chicago, Ill.
Andrae Julius & Sons Co., 362 Broadway, Milwaukee, Wis.
Automatic Elec. Co., 1001 W Van Buren, Chicago, Ill.
Central Tel. & Electric Co., 310 N 11th, St. Louis, Mo.
Conn. Telephone & Elec. Co., 70 Britnia, Meriden, Conn.
Electric Specialty Co. ("Manzbridge" Type), Cresco, Ia.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Lafayette Electric & Mfg. Co., Lafayette, Ind.
Swedish-American Telephone Mfg. Co., 5235 Ravenswood av, Chicago, Ill.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Western Electric Co., 463 West, New York

## 3008— Condensers (Tubular)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
**Baeuerle & Morris, 932 N Front, Phila., Pa.**
Furman-Fisher Corp., 32 Church, New York. *See adv index at end of book*
Griscom-Russell Co., 92 West, New York
*See adv index at end of book*
**Lummus Walter E. Co. (Tubular & Coil),** 171 Milk, Bos on, Mass.
**Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.**

## 3008a— Condensers (Vacuum)

Buffalo Fdy. & Machine Co., 65 Winchester, Buffalo, N. Y.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Scott Ernest & Co. ("Scott"), Fall Rover, Mass.
Stokes F. J. Machine Co., 17th & Cambria Phila., Pa.

## 3009— Condensers (Vapor)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
**Devine J. P. Co., Buffalo, N. Y.**
Griscom-Russell Co., 92 West, New York
*See adv index at end of book*
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
Standard Water Systems Co. ("Tripure," **Multicoil & Straight Tube Type), Hampton, N. J.**

## Condensing Apparatus (Stoneware)

See Stoneware, Chemical

## 3010—Condensing Plants (Complete)

Griscom-Russell Co., 92 West, New York
*See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
**WHEELER CONDENSER & ENGINEERING CO.,** Carteret, N. J.
*See adv index at end of book*

## 3011—Condensing Plants (Weiss Central)

Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.
*See adv index at end of book*

## Condensite

See Bakelite

## 3012—Conductor Pipe & Eaves Trough Mfrs.

American Rolling Mill Co. ("American Ingot Iron"), Middletown, O.
Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
**Berger Bros. Co., 229 Arch, Phila., Pa.**
**Berger L D Co., 59 N 2d, Phila., Pa.**
Berger Mfg. Co. (Steel), Canton, O.
Bostwick Steel Lath Co., Niles, O.
Brier Hill Steel Co., Youngstown, O.
Burton W. J. Co., Junction & Federal, Detroit, Mich.
Cambridge Roofing Co., Cambridge, O.
Canton Art Metal Co., Canton, O.
**Carter Sheet Metal Co., Omaha, Neb.**
**Cedar Rapids Cornice Co., Cedar Rapids, Iowa**
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
**Clark-Smith Hardware Co., Peoria, Ill.**
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*

Conner Chas. H. & Co., Louisville, Ky.
Decatur Cornice & Roofing Co., New Decatur, Ala.
**Delphos Mfg. Co., 1st & Pierce, Delphos Ohio**
Dickelman Mfg. Co., Forest, O.
Dieckmann Ferdinand Co., 1182 Harrison av, Cincinnati, O.
Dominion Metal Products Co., Roanoke, Va.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Eller Mfg. Co., Canton, O.
Excelsior Steel Furnace Co., 118 S. Clinton, Chicago, Ill.
Feld Geo A. Co., 162 E 129th New York
Florida Metal Products Co., Jacksonville, Fla.
Friedley-Voshardt Co., 733 S. Halsted, Chicago, Ill.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Holzer R. G. (Est. of), (also Box Gutters), 317 Burgundy, New Orleans, La.
**Hammond Sheet Metal Mfg. Co., 119 Cass av, St. Louis, Mo.**
Hopson W. C. Co., Grand Rapids, Mich.
Howie Roofing Co., Detroit, Mich.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Hussey C. G. & Co. (Copper Only), 2850 2d av, Pittsburgh, Pa.
Hyndman Roofing Co., 318 E 2d, Cincinnati, O.
Kanneberg Roofing & Ceiling Co., Canton, Ohio
Klauer Mfg. Co., Dubuque, Ia.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Lamb & Ritchie Co., Cambridge, Mass.
Learn & Brindle (Conductors Strainers, "The Ideal" Cut-Off), Columbus, O.
Lupton's David Sons, Allegheny av & Tulip, Phila, Pa.
Lyman H B., Southampton, Mass.
Lyon Conklin & Co. ("Lyonore" Metal, "L. C. & Co.," Steel), 19 Balderston, Baltimore, Md.
Martin Metal Mfg. Co., Wichita, Kan.
Merchant & Evans Co. (Jobbers), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Mertz John Mfg. Co., Sandusky, O.
*See adv index at end of book*
**Messenger & Parks Mfg. Co., Aurora, Ill.**
Meurer Geo. C. Co., 22 Clay, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Covington, Ky.
Newark Steel & Iron Works, 12 Mercer, Newark, N. J.
New England Steel Roofing Co., Worcester, Mass.
New Orleans Roofing & Metal Co., ("Nola"), Cortez & Orleans, New Orleans, La.
New York Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
Niles Iron & Steel Roofing Co., Niles, O.
Norman W. F. Sheet Metal Mfg. Co., Nevada, Mo.
Obdyke Benj. P., 1217 Callowhill, Phila., Pa.
Ohio Corrugating Co., Warren, O.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Penn Metal Ceiling & Roofing Co., Ltd., 23d & Hamilton, Phila., Pa.
Pierce O. W. Co., Olean, N. Y.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Pudrith A. F. Co., Fort E, Detroit, Mich.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Robertson Bros. Mfg. Co., 5401 S Western av, Chicago, Ill.
*See adv index at end of book*
St. John & Barquist, Des Moines, Ia.
Schoedinger F., 142 N. 3rd, Columbus, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Standard Sheet Metal Mfg. Co., Washington, Pa.
**STEARNS A. T. LUMBER CO.** (Wood), 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Sykes Steel Roofing Co., 930 W 19th pl, Chicago, Ill.
Tennison Bros., Houston, Tex.
Throm Chas. F., Toledo, O.
**Tiffin Art Metal Co., 20 Broad, Tiffin, O.**
Valley Cornice & Slate Co., Ltd., Saginaw, Mich.
Weyand Henry Co., Waterbury, Conn.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Whitaker-Glessner Co. ("Rust Resisting Portsmouth Iron," "Ohio Metal" & Open Hearth Steel), Wheeling, W. Va.
York Corrugating Co., York, Pa.

## 3012a—Conductor (Sugar Cane)

**FULTON IRON WORKS CO.,** St. Louis, Mo. *See adv index at end of book*

## 3013— Conductors (Armored)

Am. Metal Moulding Co., 145 N. J. R. R. av, Newark, N. J.
Boston Ins. Wire & Cable Co., Boston, Mass.
Dewes A. Co., The, 199 Lafayette, New York.
Garland Mfg. Co. (Steel), 1st National Bank bldg, Pittsburgh, Pa.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Inland Elec. Co., 16 N. Franklin, Chicago, Ill.
National Metal Moulding Co., 1110 Fulton blvd, Pittsburgh, Pa.
Pratt Chuck Co. (Double Strip), Frankfort, N. Y.
Sprague Electric Works, 527 W 34th, New York
Standard Underground Cable Co., Westinghouse bldg., Pittsburgh, Pa.
Thomas & Betts Co., 105 Hudson, New York
Trenton Elec. & Conduit Co., Trenton, N. J.
Triangle Conduit Co., 52 Columbia Heights, Brooklyn, N. Y.
Trumbull Elec. Mfg. Co., Woodford av, Plainville, Conn.
**YOUNGSTOWN SHEET & TUBE CO** ("Realflex" Steel Flexible), Youngstown, Ohio.

## 3014-5-6—Conduit Elbow Former

Crouse-Hinds Co., Syracuse, N. Y.
Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.

## 3017—Conduits (Flexible Metallic)

Am. Metal Moulding Co. (Steel), 141 N. J. R. R. av, Newark, N. J.
Arrow Flexible Conduit Co., Inc., 210 Canal, New York
Breeze Carbureter Co., 250-52 South, Newark, N. J.
Dewes A. Co., The, 199 Lafayette, New York
**Franklin Railway Supply Co. ("McLaughlin," for Connecting Between Engine & Tender in Place of Rubber Hose),** 30 Church, New York
Nat. Enameling & Mfg. Co., Renshaw bldg, Pittsburgh, Pa.
National Metal Molding Co. ("Flexsteel"), 1110 Fulton bldg, Pittsburgh, Pa.
**Pennsylvania Flexible Metallic Tubing Co.,** Broad & Race, Phila., Pa.
**Saylor Electric & Mfg. Co. ("Safeduct"),** 115 S Main, Pittsburgh, Pa.
Short Electrical Mfg. Corp. ("Cottonduct"), Penn Yan, N. Y.
Sprague Electric Works ("Greenfield"), 527 W 34th, New York
Steel City Elec. Co., 1207 Columbus av, Pittsburgh, Pa.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
Trumbull Elec. Mfg. Co., Plainville, Conn.
Trumbull Elec. Mfg. Co., Woodford av, Plainville, Conn.
Tubular Woven Fabric Co. ("Duraduct"), Pawtucket, R. I.

## 3018— Conduits (Interior)

**Alphaduct Co. (Non-Metallic Flexible), 136** Cator av, Jersey City, N. J.
American Circular Loom Co. ("Electroduct," Flexible), 16 Medford, Boston, Mass.
**American Conduit Mfg. Co. ("Galvanite"** Electro Galvanized, "American" Enameled Rigid Steel, also "Wireduct" Non-Metallic Flexible), Keystone bldg, Pittsburgh, Pa.
American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.
Ashland Electric Co., 1517 Haddon av, Chicago, Ill.
Central Tube Co. ("Central"), First National Bk. bldg., Pittsburgh, Pa.
Clifton Mfg. Co. ("Clifton," Rigid Steel), 65 Brookside av, Jamaica Plain, Boston, Mass.
Continental Fibre Co. ("Bakelite-Dilecto" & Vulcanized Fibre), Newark, Del.
*See adv index at end of book*
Enameled Metals Co. ("Pittsburgh," Standard Enameled Iron), 61 Bridge, Pittsburgh, Pa.
Garland Mfg. Co. ("Loricated," "Galvaduct," "Armorduct," "Sterling," "Iron Armored," "Flexible Metallic," etc., 1st National Bank bldg, Pittsburgh, Pa.
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*
Mark Mfg. Co. ("Zinkote," "Navalite," Enameled Iron Pipe), Evanston, Ill.
National Fibre & Insulation Co. (Fibre), Yorklyn, Del.
National Metal Molding Co. ("Sherarduct" & "Economy," Rigid Steel, also "Flextube" Flexible Non-Metallic, "Flexsteel," Flexible Metallic), 1110 Fulton bldg, Pittsburgh, Pa.
Protectus Paint Co. ("Versies" Flexible & Waterproof), N Amer bldg, Phila., Pa.
Ric-will Co., Guardian bldg, Cleveland, O.
Short Electrical Mfg. Corp., Penn Yan, N. Y.
Sprague Electric Works ("Greenfield" Iron Armored, Brass Armored, Flexible Steel & Unarmored), 527 W 34th, New York
Standard Fibre Co., Miller St., Somerville, Mass.
Triangle Conduit Co., 52 Columbia Heights, Brooklyn, N. Y.
Tubular Woven Fabric Co. ("Duraduct," Flexible Woven), Pawtucket, R. I.
**WILMINGTON FIBRE SPECIALTY CO.** (Hard Fibre), Wilmington, Del.
*See adv index at end of book*
**YOUNGSTOWN SHEET & TUBE CO.** ("Buckeye" Rigid Steel-Enameled & Electro Galvanized), Youngstown, O.

## 3019—Conduits (Underground)

American Clay Products Co. (Vitrified), 175 5th av, New York
American Conduit Co. (Bitumenized Fibre), East Chicago, Ind.
American Creosote Works (Creosoted for Wood), Southport, New Orleans, La.
**AMERICAN LINE MATERIALS CO.**(Creosoted Wood), 332 S Michigan av, Chicago, Ill.
American Fire Brick Co. (Vitrified Salt Glazed), Spokane, Wash.
American Sewer Pipe Co. (Vitrified), Akron, O.
American Vitrified Conduit Co., B'way & 23d, New York
Bannon P. Pipe Co., Louisville, Ky.
Brown Co. (Fibre), Portland, Me.
Brazil Hollow Brick & Tile Co. ("Brazil," Vitrified), Brazil, Ind.
Camp H. B. Co. ("Camp-Duct" Vitrified Clay), Fulton bldg, Pittsburgh, Pa.
Campfield Raggle Block Co. (Air Cells for Steam Pipes), Richmond, Ind.
Chattanooga Sewer Pipe & Fire Brick Co. (Clay), Chattanooga, Tenn.
Chicago Stone Conduit Co., Addison & Chicago River, Chicago, Ill.
Clay Product Co. (Vitrified Fire-Clay), 175 W Jackson blvd, Chicago, Ill.
Clermont Sewer Pipe Co., 50 Church, New York
Continental Pipe Mfg. Co. (Machine Banded Wooden Insulated Wire Conduits), Tacoma, Wash.
Denny-Renton Clay & Coal Co. (Clay), Seattle, Wash.
Des Moines Clay Co., Des Moines, Iowa
Dickey W. S. Clay Mfg. Co. (Vitrified Salt Glazed Clay), N. Y. Life bldg, Kansas City, Mo.
Drummond M. J. & Co. ("Shawmut" Vitrified), 51 Chambers, New York
Fibre Conduit Co. (Fibre), Orangeburg, N. Y.
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*
Gest G. M., 237 B'way, New York
Grand Ledge Clay Product Co., Grand Ledge, Mich.
Johns-Manville H. W. Co. (Sectional & Fibre), Madison av & 41st, New York

CONDUITS (UNDERGROUND)—contin'd

Keasbey & Mattison Co., Ambler, Pa.
Kenway P. N. (Steam Pipe), 248 Boylston, Boston, Mass.
Macomb Sewer Pipe Work (Vitrified Clay), Macomb, Ill.
Michigan Pipe Co. ("Bethell" Process of Creosoted Wood), Bay City, Mich.
National Fire Proofing Co. (Terra Cotta Clay), Fulton bldg, Pittsburgh, Pa.
**N. Y. State Sewer Pipe Co., Rochester, N. Y.**
**Norfolk Creosoting Co. (Creosoted Wood), Norfolk, Va.**
Ric-Wil Co. (For Heating Pipes), Guardian bldg, Cleveland, O.
**Riter-Conley Co. (Riveted Steel Pipe Lines of Large Diameters, Particularly for Hydro-Electric Installation, etc.), Oliver bldg, Pittsburgh, Pa.**
**San Antonio Sewer Pipe Co., San Antonio Tex.**
Shawmut Clay Mfg. Co., Shawmut, Pa.
Tyler Underground Heating System 855 Progress, Pittsburgh, Pa.
**Winslow & Co. (Vitrified Salt-Glazed), Portland, Me.**
Wyckoff A. & Son, Elmira, N. Y.
**Wyckoff Pipe & Creosoting Co. (Creosoted Wood), 30 E 42d, New York**

## 3020— Cones (Automobile)

**Acklin Stamping Co. (Clutch Cones), 1659 Dorr, Toledo, O.**
*See adv index at end of book*
**BOSSERT CORPORATION THE (Clutch Cones), cor. Linden & West av, Utica, N. Y.**
*See adv index at end of book*
Perry-Fay Mfg. Co., Elyria, O.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
U. S. Automatic Co., Amherst, O.

## Cones (Blacksmiths')

See Mandrels or Cones, Blacksmiths'

## 3021-2—Cones (Connecting)

Merrill Metallurgical Co. ("Merrill"), 121 2nd, San Francisco, Cal.

## Cones (Friction)

See Pulleys, Cone

## 3023— Cones (Ground)

Fairmount Electric & Mfg. Co. ("Maxum"), 59th & Woodland av, Phila., Pa.
Paragon Electric Co. ("Paragon"), 37 W Van Buren, Chicago, Ill.

## 3024— Cones (Roof)

General Fire Extinguisher Co., Providence, R. I.

## 3024a— Confetti

Andrews R. P. Paper Co., 727 13th, N W, Washington, D. C.
Carter H. W. Paper Co., Springfield, Mass.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Dobbins W. H. & Co., 48 N. Front, Philadelphia, Pa.
Garrett Sylvester S. & Co., 259 S. 3rd, Philadelphia, Pa.
Gottlieb A. & Son Co., 54 S. 2nd, Brooklyn, N. Y.
Kilborn Bros., New Haven, Conn.
Marks & Meyer Importation Co., 43 E. 19th, New York
Miller T. G. & Sons Paper Co., Ithaca, N. Y.
St. Louis Confetti Co., 3 Market, St. Louis, Mo.
Zellerbach Paper Co., 534 Battery, San Francisco, Cal.

## 3025—Connections (Closet, Brass, Etc.)

Acheson Mfg. Co. (Brass Only), Lanken, Pa. *See adv index at end of book*
American Pin Co. ("Ampinco"), Waterbury, Conn.
Blasier Sanborn Mfg. Co., Utica, N. Y.
Frost Mfg. Co., Kenosha, Wis.
Standard Brass Mfg. Co., Utica, N. Y.
Trenton Brass & Machine Co., (Offset & Elbow), Trenton, N. J.

## 3026—Connections (Closet, Rubber)

National India Rubber Co. (Lamp), Bristol, R. I.

## 3027— Connections (Hose)

American Foundry & Mfg. Co., 11th & Herbert, St. Louis, Mo.
Bridgeman Bros. Co. ("Royle" Attachments), 131 S 31st, Phila., Pa.
New York Brass Foundry Co., 403 Broome, New York
Osgood J. L. Tool Co. (Air Hose), Buffalo, N. Y.

## 3028— Connections (Siamese)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bridgeman Bros. Co., 131 S 31st, Phila., Pa.
Callahan Cornelius Co. ("Callahan" for Fire Hose), 127 Purchase, Boston, Mass.
Howell F. R. Brass Works, 122 N Franklin, Phila., Pa.
Larkin Mfg. Co., Dayton, O.
McNab & Harlin Mfg. Co., 55 John, New York
Milwaukee Brass Mfg. Co. (With Automatic Valve, for Fire Sprinklers, Stand Pipes, Bath, etc), 251 Lapham, Milwaukee, Wis.
*See adv index at end of book*
Morse A. J. & Son (Fin.), 221 High, Bos-
Murray & Sorenson ("Unit"), 227 W 17th New York
Sherman H. B. Mfg. Co., Battle Creek, ton, Mass.
Mich.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Standard Brass & Iron Works ("S B & I Works" Double, Threeway, etc), 1320 St. Paul av, Milwaukee, Wis.

## 3029—Connections (Slip Joint)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Glauber Brass Mfg. Co., 49th & Superior av, N E Cleveland, O.
*See adv index at end of book*
Union Brass & Metal Mfg. Co., Lawson & Mackerbin, St. Paul, Minn.
Wolverine Brass Works, Grand Rapids, Mich.

## 3030— Connections (Steamer)

Bridgman Bros. Co. ("Bridgman" for Automatic Sprinklers & Stand Pipes), 131 S 31st, Phila., Pa.
General Fire Extinguisher Co. (For Automatic Sprinklers & Stand Pipe), Providence, R. I.

## 3031—Connections (Underground Box)

**Phila. Electric Constr. Co., Heed bldg, Phila., Pa.**

## 3032— Connectors (Battery)

Ajax Electric Co., 56 Baldwin av, Jersey City, N. J.
American Ever Ready Works ("Ever Ready," "Bull Dog"), Thompson av, Long Island City, New York
Andrae Julius & Sons Co., 362 B'way, Milwaukee, Wis.
Atlas Mfg. Co., New Haven, Conn.
Barcy-Nicholson Co. ("Bar-Nic"), 837 W Fort, Detroit, Mich.
Breazneli J. H., Terminal, 26 Court, Brooklyn, N. Y.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Continental Elec. Co., 1885 Park av, New York
Culver-Stearns Mfg. Co., Worcester, Mass.
Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
Fahnestock Elec. Co., Meadow, L. I. City, N. Y.
Fitzgerald Mfg. Co. ("Perfection" Flexible, with Spring Lock Terminal), Torrington, Conn.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Herz & Co., 245 W 55th, New York
Hi-Po Waterproof Battery Corp., 1007 Atlantic av, Brooklyn, N. Y.
Lemke Electric Co. ("L B" Flat Copper), 509 Cedar, Milwaukee, Wis.
Lombardi Motor Car Co., Derby, Conn.
Manhattan Electrical Supply Co. ("Mesco," "Sta-there"), 17 Park pl, New York *See adv index at end of book*
Mich. Motor Spec. Co., 26 Dubois, Detroit, Mich.
National Carbon Co. ("Columbia," "Fahnestock," "Spring Clip," "Bull Dog," "Quick Action"), Madison av N. W. 117th, Cleveland, O.
Oliver Electric & Mfg. Co., 2221 Lucas, St. Louis, Mo.
Pittsfield Spark Coil Co., Pittsfield, Mass.
Reliable Elec. Co., 411 S Sangamon, Chicago, Ill.
Salem Electrical Supply Co. (Flexible), Salem, Mass.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Stackpole Carbon Co. ("Mills," "Stackpole"), St. Marys, Pa.
Sterling Machine & Stamping Co., Wellington, Ohio
Stevens & Co. ("Securo"), 375 B'way, New York
Tregoning Electric Mfg. Co. ("Lobster-Claw"), Cleveland, O.

## 3033—Connectors (Box & Cabinet)

Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Bonnell W. A. Co., 192 Chambers, New York
Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
National Metal Molding Co. (Panel Box for Armored Conductors, Flexible Metallic Conduits & Armored Conductors), 1110 Fulton bldg, Pittsburgh, Pa.
Sprague Electric Works (Clamp Type, Panel Box, also Angle for Outfit & Injunction Boxes), 527 W 34th, New York
Standard Electric Fittings Co., Stamford, Conn.
Thomas & Betts Co. ("T & B"), 63 Vesey, New York

## 3034—*Connectors (Electric Train)

**WESTINGHOUSE ELECTRIC & MFG. CO.** (Controllers), East Pittsburgh, Pa. *See adv index at end of book*

## 3035—Connectors (Sleeve Wire)

Belden Mfg. Co., 2316 So. Western av, Chicago, Ill.
Bonnell W. A. Co., 192 Chambers, New York
Bryant Elec. Co., 1421 State, Bridgeport, Conn.
Bryant Zinc Co. ("Premier"), 600 Orleans, Chicago, Ill.
Chicago Die & Machine Works ("Max Stadt"), 415 N Carpenter, Chicago, Ill.
Clark Elec. & Mfg. Co. ("Clark"), 149 B'way, New York
Columbia Metal Box Co., 226 E. 144th, New York
Continental Electric Co., 1883 Park av, New York.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
Fairmount Elec. & Mfg. Co., 59th & Woodland, Phila., Pa.
Fort Dearborn Mfg. Co., Sterling, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hickey & Schneider, Elizabeth, N. J.
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
McIntire Chas. Co., 35 Vesey, Newark, N. J.
Mellorate Mfg. Co., 809 Lexington av, Brooklyn, N. Y.
Metropolitan Engrg. Co., 1250 Atlantic av, Brooklyn, N. Y.
**MORSE FRANK W.** ("Eureka" Two & Four Screw Brass, also thumb screw), 239 Congress, Boston, Mass.
*See adv index at end of book*

National Telephone Supply Co., 5100 Superior av, Cleveland, O.
Reliable Electric Co., 411 S Sangamon, Chicago, Ill.
Trumbull Electric Mfg. Co. (Four Screw Brass), Plainville, Conn.

## 3036— Connectors (Stage)

Chicago Electric Mfg. Co., 2817 S Halsted, Chicago, Ill.
**MORSE FRANK W.** ("Morse"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Scranton Button Co. (Electroid, Confined Line), Scranton, Pa.
Universal Electric Stage Lighting Co. ("Kliegl Bros."), 240 W 50th, New York
Waldman John J., 64 Murray, New York

## 3037—Connectors (Trailer, Car Lighting)

Dale Lighting Fixture Co., 107 W 13th, New York
Delta-Star Electric Co. (Automatic Loop Switch), 2437 Fulton, Chicago, Ill.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Loeffelholz Co. ("Gibbs"), Milwaukee, Wis.
Novelty Elec. Co., 50 N 4th, Phila., Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** (Controllers), East Pittsburgh, Pa.
*See adv index at end of book*

## 3038—Connectors (Trolley Wire)

Electric Railway Equipment Co., Cincinnati, O.
Eureka Co., North East, Pa.
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*
Ridlon Frank Co. ("Two-Way"), 251 A, Boston, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 3039— Connectors (Wire)

(Miscellaneous Wire Connectors)

American Pin Co., Waterbury, Conn.
Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Brady Electric Mfg. Co., New Britain, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bryant Electric Co., Bridgeport, Conn.
Bunnell J. H. & Co., 32 Park pl, New York
Cameron Appliance Co. (For electric light wire), Everett, Mass.
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Clark Electric & Mfg. Co., 149 B'way, New York
Continental Electric Co., 1883 Park av, New York
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Dossert & Co. (Solderies), 242 W 41st, New York
Drendell Electrical & Mfg. Co., 169 Erie, San Francisco, Cal.
Electrical Engineers Equipment Co. (T-Split), 711 Meridian, Chicago, Ill.
Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
Fahnestock Electric Co. ("Fahnestock," Snapover for Drop Wires), Meadow, Long Island City, N. Y.
Fairmount Electric & Mfg. Co. ("H. W. W.," "Alligator"), 59th & Woodland av, Phila., Pa.
Fort Dearborn Mfg. Co. ("Zeno"), Sterling, Ill.
Frankel Connector Co., 177 Hudson, New York
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hatch Edwin T., 120 B'way, New York
Holtzer-Cabot Electric Co., 125 Armory, Boston, Mass.
Irvington Mfg. Co. ("Irvington," "Red Devil"), Irvington, N. J.
Jordan Bros. ("Tap-On," Two-Wire for Branch Taps), 74 Beekman, New York
Joslyn Mfg. & Supply Co., Chamber of Commerce, Chicago, Ill.
Line Material Co., S Milwaukee, Wis.
McIntire C. Co., 35 Vesey, Newark, N. J.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Mendell Mfg. Co., New Bedford, Mass.
**MORSE FRANK W.** ("Morse" Insulated Hard Rubber), 289 Congress, Boston, Mass. *See adv index at end of book*
Nagel-Chase Mfg. Co., 154 E Erie, Chicago, Ill.
Ostrander W. R. & Co., 371 B'way, New York
Paiste H. T. Co. (Two Wire Moulding), 3201 Arch, Phila., Pa.
Phila. Electrical & Mfg. Co., 1226 N 31st, Phila., Pa.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Reliable Electric Co. ("Reliable"), 411 Sangamon, Chicago, Ill.
Ridlon Frank Co. ("Two-Way"), 251 A, Boston, Mass
Sharfink Elec. Mfg. Corp., 84 Walker, New York
Sibley Pitman Electrical Corp. ("Climax"), 190 6th av, New York
Simpson Alex. B., 152 E 53d, New York
**SMITH & HEMENWAY CO., INC.** ("Never Turn," "Swedish" & "Red Devil"), 261 W B'way, New York, & 130 W Coit, Irvington, N. J.
*See adv index at end of book*
Tower-Binford Elec. & Mfg. Co., Richmond, Va.
Trumbull Electric Mfg. Co., Plainville, Conn.
U. S. E. M. Co. (Insulating, for Fixture Work, etc), 301 W 37th, New York
Waldman John J., 64 Murray, New York

## 3040—Connectors (Wire Test)

Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Cameron Appliance Co. ("Metropolitan"), Everett, Mass.
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Columbus Handle & Tool Co., Columbus, Ind.
Cook Frank B. Co., 326 Madison, Chicago, Ill.
Cutter-Scott C., Owego, Ill.
Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
Fahnestock Electric Co. ("Snap Over"), Meadow, Long Island City, N. Y.
Fairmount Electric & Mfg. Co. ("H. W. W.," "Alligator"), 59th & Woodland av, Phila., Pa.
Frankel Display Fixture Co., 177 Hudson, New York
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hubbard & Co. ("Pierce"), 63rd & Butler, Pittsburgh, Pa.
**MORSE FRANK W.** ("Eureka"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Mueller R. S. & Co. ("Universal" Insulated), 423 High av, S E, Cleveland, O.
P. & M. Co., 80 E Jackson blvd, Chicago, Ill.
Reliable Electric Co., 411 S Sangamon, Chicago, Ill.
Williams Test Clamp Co., 1051 Power av, Cleveland, O.

## 3041— Contacts (Electrical)

Fansteel Products Co., 215 N Michigan av, Chicago, Ill.
Scaife Wm B. Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

## 3042— *Containers (Steel)

Blaw Knox Co. (Gas), Freeport rd., Hoboken, Pa.
Elyria Enameled Products Co. (Glass Enameled), Elyria, O.
Kress F. J. Co. (Corrugated), 2930 Liberty, Pittsburgh, Pa.
Zacharius Edwin H., Reading, Pa.

## 3042a—*Contracting Machinists

**AMERICAN DIE & TOOL CO.,** Reading, Pa.
Zacharius Edwin H., Reading, Pa.

## 3043—Contractors (Asphalt Paving)

See also Contractors, General

### CALIFORNIA.

LOS ANGELES—Fairchild-Gilmore & Wilton Co., 607 S Main
OAKLAND—Oakland Paving Co.
SAN FRANCISCO—Barber Asphalt Paving Co. (Street, etc), 209 Post
City Street Improvement Co., 3001 17th
Pioneer Asphaltum & Artificial Stone Pavement Co., 634 Clay

### CONNECTICUT.

BRIDGEPORT—Burns Co.
MERIDEN—Lane Construction Corp.
NEW HAVEN—City Point Concrete Co., 149 Greenwich av
Connecticut Concrete Co., 185 Church
Humphrey Jno., 56 Perkins

### DISTRICT OF COLUMBIA.

WASHINGTON — Cranford Paving Co., 2620 E, N W

### GEORGIA.

ATLANTA—Murphy's C. P. Sons

### ILLINOIS.

AURORA—Salfisberg J. E. & Co.
CHICAGO—Barber Asphalt Paving Co. (Street, etc), 7 S Dearborn
Blome R. S., 139 N Clark
Conway R. F. Co. (Street, etc), 133 W Wash.
Fulton Asphalt Co., 53 W Jackson blvd
Hoeffer & Co., Chamber of Commerce bldg
Parker-Washington Co., 68 W Wash.
Perkins E. B., 133 W Washington
Sackley Jas. A. Co., 133 W Washington
Schillinger Construction Co., 2315 N Seeley av.
Simpson Construction Co. (Street, etc), 1113 S Hermitage av
Smith & Brown Co., 128 N La Salle
Standard Paving Co., 29 La Salle
Wheeler W. W. & Co., 715 W Washington
Witt Aug., 913 S Western

### INDIANA.

EVANSVILLE — Anchor Concrete Construction Co.
FORT WAYNE—Fort Wayne Roofing & Paving Co.
INDIANAPOLIS—Smither Henry C. Roofing Co., 430 S Meridian
Symmes H. H.
LAFAYETTE—Western Construction Co. (Street, etc)

### IOWA.

DUBUQUE—Key City Roofing Co.
IOWA CITY—Hunzinger J. H. & Co.

### KENTUCKY.

LOUISVILLE—National Roofing & Supply Co., 124 W Main
Strassel J. L.

### LOUISIANA.

NEW ORLEANS—Barber Asphalt Paving Co. (Street, etc.), 124 Carondelet
Jahncke Navigation Co. (Schillinger's), 814 Howard av

### MARYLAND.

BALTIMORE—American Paving & Contracting Co., Montebello av
Consolidated Engineering Co., Calvert bldg

### MASSACHUSETTS.

BOSTON—Barber Asphalt Paving Co., 294 Washington
Dolloff C. W. & Co., 20 Central
Hind Thos. J., 49 Milk
Libby A. A. Sons Co., 10 Milk
Murtfeldt W. A. Co., 161 Devonshire
Rock Asphalt Co., 24 Oakland
Simpson Bros. Corporation, 166 Devonshire
Taylor E. R. Co., 786 E Broadway

MASSACHUSETTS—Boston—continued
Ufherl Joseph & Co., 34 Ophir
Warren Bros. Co. (Street, etc.), 142 Berkeley
FALL RIVER—Archard Richard J., 60 Murray
Williston Chas. H., 171 Pleasant
LOWELL—Smith E. A. & A. T.
WEST MEDFORD—Bragdon Louis G.
WORCESTER—Carr Geo. W. Co., 518 Main

### MICHIGAN.

DETROIT—Porath Ferd. & Son, Free Press bldg
Schillinger Bros.

### MISSOURI.

KANSAS CITY—Barber Asphalt Paving Co. (Street, etc), Colonial Long bldg
Parker-Washington Co., 2309 Penn av
ST. JOSEPH—Metropolitan Paving Co.
ST. LOUIS—Barber Asphalt Paving Co., Park & Thurman
Fehlig Construction Co., Theresa av & Hickory
Fruin-Bambrick Const. Co., 800 S Spring av
Gilsonite Contracting Co., Wainwright bldg
Granite Bituminous Paving Co., Pierce bldg
Heman Construction Co., Title Guarantee Trust bldg
Parker-Washington Co., 6161 Maple av
Trinidad Asphalt Mfg. Co., Title Guarantee Trust bldg

### NEBRASKA.

OMAHA—Grant John Paving Co., Paxton blk
Murphy Hugh, Bee bldg
National Roofing Co.

### NEW HAMPSHIRE.

MANCHESTER—Robie Consolidated Concrete Co., 939 Elm
NASHUA—Osgood Construction Co.
Tardif F. X.

### NEW JERSEY.

JERSEY CITY—Commonwealth Roofing Co., Grove c 19th
Uvalde Asphalt Paving Co., 2 Greene
MAURER—Barber Asphalt Paving Co. (Street, etc)
NEWARK—Hetzel J. G. (Est. of), (Floors, etc.), 67 Main
Van Keuren & Son, 501 Passaic av

### NEW YORK.

BUFFALO—Barber Asphalt Co. (Street, etc), E. Delavan av & Belt Line
Burgard Henry P. Co. (Street, etc), 1968 Fillmore av
Crescent Pavement Co., Erie Co. Bk bldg
German Rock Asphalt Co. (Street, etc.), Morgan bldg

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Cranford Co., 52 9th
Mock Isidor, 838 Flushing av
Uvalde Asphalt Paving Co., Metropolitan av

#### Boroughs of Manhattan and Bronx.

NEW YORK—Asphalt Construction Co., Madison av & 137th
Barber Asphalt Paving Co. (Street, etc), Woolworth bldg
Denton & Co., 7 E 42d
Hastings Pavement Co., 25 Broad
Neuchatel Asphalte Co., Ltd., 79 Tompkins
†Sicilian Asphalt Paving Co. (Street, etc), 41 Park row
Special Service Flooring Corp., 2039 Grand Central Terminal
*See adv index at end of book*
Standard Bitulithic Co., 50 Church
Uvalde Asphalt Paving Co. (Street, etc), 1 B'way
Warner-Quinlan Asphalt Co., 79 Wall
Warren Bros. Co. (Street, etc.), 50 Church
Willite Road Construction Co., 51 Chambers

**(End of New York City)**

PEEKSKILL—Smith John Jr.
ROCHESTER—Oliver Horace T., 328 South av
Rochester Vulcanite Pavement Co.
Warren Chemical Mfg. Co., 303 Main
YONKERS—Pawson J. E. & Co.

### NORTH CAROLINA.

OXFORD—Lassiter Robert G. & Co.

### OHIO.

CINCINNATI—Kuhl Chas. Artificial Stone Co., 573 Reading rd.
Maescher Chas. V. & Co., 617 Hunt
CLEVELAND—Cleveland Trinidad Paving Co. (Street, etc), 3409 Trumbull
Roehl Bros., Clark & W. 25th
COLUMBUS—Pugh Andrew G., Commerce bldg
DAYTON—Dayton Asphalt Roofing & Paving Co.
DELAWARE—Lambert Bros. & Wirt
HAMILTON—Andrews Asphalt Paving Co.
TOLEDO—Schillinger Bros. Co., 215 City Park av

### OREGON.

PORTLAND—Warren Construction Co., Journal bldg

### PENNSYLVANIA.

ERIE—Doyle J. & M.
Mayer Bros. Construction Co.
HARRISBURG—Central Construction & Supply Co.
LANCASTER—Fritchey J. U. & Son
Lancaster Cement Paving Co.
PHILADELPHIA—Barber Asphalt Paving Co. (Street, etc), Land Title bldg
Drehmann Paving Co., 2622 Parrish
Galbraith Paving Co., 3732 Old York rd
Mack Paving & Construction Co. (also Granite Block Pavers), 20th & Sedgley av
Schwartz Jacob, 2308 N 27th
Wallace R. Bruce & Co., 45 N 13th
PITTSBURGH—Booth & Flinn, Ltd., 1942 Forbes
Peabody George, Jr. (Acid Proof & Mastic Paving), Union Arcade bldg
Ridge Bros. Co., 5638 Rippey
Wadsworth Stone & Paving Co., Lambert & P R R
SCRANTON—Gaynor Contracting Co.

### RHODE ISLAND.

PROVIDENCE — Narragansett Improvement Co. (Street, etc), 122 Public
WESTERLY—Westerly Concrete Co.

### TENNESSEE.

CHATTANOOGA—Noll Construction Co.
Southern Paving Construction Co.
West Construction Co., Chamberlain bldg
MEMPHIS—Bartholomew Roofing Co.
Memphis Asphalt & Paving Co. (Street, etc)
Miller Chas. R. Co., 8 N Front

### UTAH.

OGDEN—Parry Jos. & Sons Co.

### WASHINGTON.

SEATTLE—Independent Asphalt Paving Co.
TACOMA — Independent Asphalt Paving Co.

### WISCONSIN.

MILWAUKEE — Winding & Gezelschap, Pabst bldg
OSHKOSH—Fluor Bros. Const. Co.
SHEBOYGAN—Ackerman Christ. & Sons

## 3044 — Contractors (Building & General)

This list does not include contractors in towns with a population of less than 5,000.
§Indicates Building Contractors.
*Indicates Railroad Contractors.
†Indicates Electric Railway Contractors.
Note information following names.
Names listed without information or symbols as above are General Contractors, so far as the publishers have been able to ascertain.
See also Concrete Steel Construction Reinforced; also Dock Builders.

### ALABAMA.

BESSEMER—Coston W. L.
Southern Building Co.
Sullivan, Long & Hagerty
BIRMINGHAM — Alabama Paving Co.


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(Paving), American Trust bldg
§Anderson J. B. & Co., Richard av
Anderson & Robertson
§Birmingham Bldg. & Imp. Co., American Trust bldg
§Bostick P. E., 1st Nat. Bank bldg.
§Bowdry H. N., Empire bldg
Byrd R. H. & Co.
Day & Sachs
Donaldson Concrete Constr. Co.
*Dunn Const. Co., Chamber of Commerce bldg.
§English T. P.
§Evans Bros. Const. Co., 2312 6th av S
§Kernshaw C. G. Contracting Co., Woodward bldg
§Lockhart H. A., Chamber of Commerce bldg
McLeod R. A. Plastering Co., 1625 1st av
§Mann Bros., 1002 5th av S.
§Medders T. L. & Co.
Millsaps T. H. & P. E.
§Moesser Building Co.
§Moore A. H., 1720 1st av
Morgan J. M. & Co.
Rust Engineering Co., Inc.
Smallman-Brice Construction Co., American Trust bldg
Thompson T. C. & Bros.
*Vance Contracting Co., 1st Nat. Bk. bldg
*Watson Contracting Co., 1311 Huntsville rd
§Windham Bros. Construction Co., Alabama Penny Bank bldg
*Worthington Thos., 1st Nat. Bank bldg

CULLMAN—Schlosser W. A.
DOTHAN—Crawford H. T.
GADSDEN—Mayben & Freuchtel
HUNTSVILLE—§Baxter Bros.
Booth A. M.
Bost C. F.
§Hutchins Chas. E.
MOBILE—Chamblin G. A.
Conway R. F. Co. (Paving)
Hancock, Harbin & Hancock
Jett-Muths Constr. Co., Inc.
Owens Construction Co.
Walker & Thomas
Walsh Stevedoring & Contrg. Co.
MONTGOMERY—Blair Algernon
Burton Construction Co. (Road)
Chapman-Cross Constr. & Realty Co.
Fleming S. K.
§Greeson Constr. Co.
§Hugger Bros.
Jamison & Hallowell (Paving, etc.)
§Jeffers Bros.
Monk T. A.
Nixon-Smith Construction Co.
Perry Bros.
WILSONVILLE—Taylor W. T. & Son

## ARIZONA.

TUCSON—*Manning L. H. & Co.
Pacheo Contracting Co.

## ARKANSAS.

FORT SMITH—Burke Construction Co.
Reddick T. T. & Son
LAKE VILLAGE—Simms Albert G.
LITTLE ROCK—Big Rock Stone & Construction Co.
Bush Matt & Bros.
Central Supply Co.
Cole M. J., Jr.
Collamore L.
Connelly P. F.
Cook M. D. L. (Paving)
McCoppin Jos. (Sewer, etc.)
Miller Butterworth
Powers Patrick
§*Schmelzer & Schay
Stewart-McGehee Construction Co.
Thalman & Reed

## CALIFORNIA.

ALAMEDA—Collins J. A.
§Powell Bros.
Spence A. T.
BAKERSFIELD—Harris L. W.
Weitzel & Larson Contracting Co.
BERKELEY—Burnham Co. (Sewer)
Contra Costa Constuction Co. (Grading, etc.)
Marshall J. A.
Pinkerton Jas. A.
Schmidt W. J. & E.
Sorenson Walter
Spring Construction Co.
BLYTHE—Christian Hy L.
EL MONTE—§Thurman J. C.
DALY CITY—Flaherty W. N. (Cement)
EUREKA—Elsemore & Jacobs
Englehart Thos.
Mercer-Fraser Co.
FALL BROOK—Graffin S. H.
FILLMORE—Hastings & Yeakel
FRESNO—Manning Bros.
Trewhitt & Shields Co.
Riggins Emmett
GUSTINE—Kruger Ray
HANFORD—Brown Frank J.
HOLLYWOOD—Fossler E.
Meline Frank L.
LONG BEACH—§Burgin W. Jay
McGrew C. T.
LOS ANGELES—§Albright C. S., 6040 Hollywood
§Allen-Knight Constr. Co., 610 S. B'way
§Alpeter, Hall & Alpeter Co., Ferguson bldg
§Arnold R. H. Co., 830 McGarry
Atkinson J. F., 610 S B'way
§Atlas Building Co., 219 W. 7th
Barber-Bradley Const. Co., 1824 E 15th
§Barnes A. S., 215 W 7th
Benson Geo. S. & Sons, Stimpson bldg
Bent Bros., Central bldg
Blythe Construction Co., 756 S B'way
§Borg Emil, 1787 E 45th
Bryant & Austin (Paving) 1650 Compton av
§Butler Bros Construction Co., 228 W 4th
Condon Geo. C., Wesley Roberts bldg
Corbaley Chas. W. Co., H. W. Hellman bldg
Crook J. A., Exchange bldg
Cross A. P., Mer. Trust bldg
Curtis Geo. R. (Paving), 2440 S 26th
Davidson Const. Co., 1445 E 16th
§Edwards & Wildey Co., Black bldg
Fairchild, Gilmore & Wilton Co. (Paving), 607 S Main
Fellows C. A., Central bldg
Garnsey Leigh G., 108 W 6th
§Gilbert V. P., 453 S Spring
§Globe Bldg. Co., 756 S B'way
§Goldwaite C. D., Marsh-Strong bldg
§Hall J. F. Martin Co., Stimson bldg
Haupt Construction Co., 307 W 8th
§Houghton & Anderson, Hollingsworth bldg
Hudson C. H., Marsh Strong bldg
Jacobs Construction Co., 356 S Spring
Kennedy James, Washington bldg
Kling Co., 1605 E 15th
§Knerr H. E., Stimson bldg
Kuback C. J. Co., Merchants Nat'l Bank bldg
Leaver P. J. & Co., 1670 E. 20th
Leonart & Peck, 356 Spring
§Lepper & Laisy, 356 S Broadway
§Lilly-Fletcher Co., 756 S B'way
Los Angeles Paving Co., Inc., 2900 Santa Fe av
McCray R. H. Co. (Grading), American Bank bldg
§McNeil J. V., 356 S Spring
Maxon & Co. (Grading), 745 Lyon
May & Grimwood, Inc., Hass bldg
Mayo L. T., Black bldg
Mercereau Bridge & Const. Co., 313 N av
Mesmer & Rice, Marsh-Strong bldg
Metropolitan Contracting Co., 102 S Spring
§Milwaukee Building Co., Wright & Callender bldg
§Nance Construction Co., 846 Linden tral
Occidental Const. Co., 2643 Andrews
Oswald Bros. (Grading & Paving), 356 S B'way
Pacific Coast Concrete Co., 210 W 7th
Pacific Portable Const. Co., Boyle av
Perry W. A. Contracting Co., 406 S Main
Powell C. L., American Bank bldg
§Pozzo Const. Co., 421 Macy
Rooney-Wyckoff Co. (Paving), Consolidated Realty bldg
Sharp & Fellows Contrg. Co., Vernon
Shattuck, Edinger Co. (Grading), Marsh-Strong bldg
*Sherer Robert & Co., (& Grading), Pacific Electric bldg
Simpson Wm. Constr. Co., Marsh-Strong bldg
§Slater W. Co., 2314 Sta. Fe
Standard American Dredging Co., Central bldg
§Stansbury Chas. V. H. W., Hellman bldg
§Taylor Bros. of Los Angeles, 7367 Sunset blvd
§Trimlett & Combellick, 608 S B'way
Tryon & Brain (Excavating), 207 S B'way
§Very A. O., Mason bldg
§Weaver C. B. Constr. Co., 405 S Hill
§Weston Bldg Co., 126 W 3d
§Willard-Brent Co., 412 W 6th
§Wurster Construction Co., 802½ Central
Yard & Hichborn, 215 W 6th
Yarnell B. F., 227 S Union av
§Yeager M. S. Trust & Savings bldg
MENLO PARK—Weedon Bros.
MONROVIA—Davisson R R Contracting Co.
NAPA—Errington Geo. E.
OAKLAND—Bates, Borland & Ayer (Grading)
Cross Chas. W. (Street)
Dolan Wrecking Co.
Heafey John
Hutchinson Co. (Paving, etc.)
Koppernd A. H.
Littlefield R. W.
Municipal Improvement Co.
Nelson & Forsyth
Pioneer Wrecking & Const. Co.
Price Bros.
Schnebly & Hostraswer
Sommarstrom Bros.
Stone E. B. & A. L. Co.
Trow Chas. L.
Veitch W. T. & Bro.
PALO ALTO—Hettinger E. A.
PASADENA—§Crowell & Seward
Crowell Wm. C.
Foss Designing & Building Co.
Giltmer & Lee (Sewer)
Hall Peter
PITTSBURG—§MacQuiddy D. H.
REDLANDS—Montigel F. & Sons (Cement)
RICHMOND—Cushing G. W.
McMaster C. W.
Page L. L.
REEDLEY—Ball & Maslach
RIVERSIDE—Concrete Pipe & Constr. Co.
Shea R. T.
SACRAMENTO—Barton & Hite
Book E. W.
§Boos I. C.
Capital Mastic Co. (Paving)
§Chatterton Bros.
Clark & Henery Constr. Co.
Frey F. E.
Gould H.
Guth C. J.
§Hudnutt Geo. D., Inc.
§Holdener Frank A.
Jenkins & Wells
Keating Wm. C.
Mathews Const. Co.
McKay Geo. W.
McGillivray Const. Co.
Morrill J. M. E.
§Murcell William
Pollock Geo. Co.
Powell Robert & Co.
Ransome-Crummey Co.
Ross Const. Co.
Sacramento Home Bldrs.
Siller Bros.
§Smith R. M.
Teichert A. & Son
Teichart & Ambrose
SALINAS—Hare Low G.
SAN DIEGO—Engerbretsen John (Street Paving, Excavating, etc.)
Fairchild-Gilmore-Wilton Co. (Paving)
Hampton W. E. Co.
Holland Construction Co.
Hyde C. L. Const. Co.
*Moffett & Mead
Roberts John C.
Ryan David H.
San Diego Const. Co.
San Diego Marine Constr. Co.
*Twohy Bros. Co.
§Winter & Nicholson
Wurster Const. Co.
SAN FRANCISCO—Anderson & Ringrose, 320 Market
§Allen C. J., Builders' Exchange (Brick)
Arnold & Mahey, 121 5th
Bates, Borland & Ayer (Grading), Crocker bldg
Bay Shore Building Co., Hearst bldg
*Bechtel W. A., 625 Market
Behm J. & Co., 141 Oak
Belser P. A., 625 Market
Bender J. W. Roofing & Paving Co., Monadnock block (Asphalt Paving)
§Biller John., 460 Montgomery
Blanchard, Crocker & Howell, 58 2nd
Bogart J. S., Mills bldg

CALIFORNIA—San Francisco—continued
Born S. A. Bldg. Co., 37th & Shore View avs
Bos & O'Brien, Hearst bldg
Bovyer & Sons, 2407 California
Boxton Geo. W. & Son, Hearst bldg
Bradley Peter, 180 Jessie
Branch & Coffer Mill bldg
Braunton Harold, 180 Jessie
Brennan J. E., 180 Jessie
Cahill & Vensano Co., 110 Sutter
California Const. Co., 74 N Montgomery
Cameron & Disston, Hearst bldg
Campbell John F., 2440 16th
Cassaretto John (Grading), 345 Berry
Chadwick & Sykes, Crocker bldg
Chisholm R. A., 180 Jessie
Church D. O., 68 Post
†City Street Imp. Co. (Streets, etc.), 3001 17th
Clinton Constr. Co., 357 Pine
Coburn Chas., 180 Jessie
§Coburn Ira W., 180 Jessie
Cole Percy J., 110 Jessie
Collman A. D., 110 Jessie
Commary W T & Son, Crocker bldg
Cox Bros., 5th av & Lincoln way
Daniel Contr. Co., 503 Market
Del Favero & Rosari, 110 Jessie
Demattei L. & Co., 8 Avery
Denivelle Paul E., 520 7th av
Desmond D. J. Commissary Co., Underwood bldg
Desmond Supply Co.
Diamond Drilling Co., 768 Mission
Diestel John, 235 Montgomery
Dinwiddle Constr. Co., Croker bldg
Dowling J. F. & Co., Russ bldg
Downey John (Masonry), 260 Natoma
Drake H. E., 180 Jessie
Dreyfus Bros., 324 California
Duebel Charles & Co., 224 1st
Duncan Wm. C. & Co., Sharon bldg
Duncanson-Harrelson Co., Chronicle bldg
Eaton & Smith, 715 Ocean
Elam Thos. & Son, 180 Jessie
Erickson & Petterson, Monadnock bldg
Etherton E. E. Co., Monadnock bldg
Fahien W. & C., 584 California
Farquharson D. B., 1760 Ellis
Farrell & Reed, 185 Stevenson
Fay Improvement Co., Phelan bldg
Federal Construction Co. (Paving), Call bldg
Fee Grant, 2440 16th
Fennell James S., 180 Jessie
§Fennila M. A., 9 Douglas (Brick)
Ferguson & Son, 1739 Union
Fisher M., 687 Mission
Flinn & Treacy, 1st Natl. Bank bldg
Floodberg Chas., Monadnock bldg
Foundation Co., 58 Sutter
Franks F. C. (Dredging), Phelan bldg
Franz Val. & Son, 180 Jessie
Frasier & Frasier, 180 Jessie
Gallagher E. J., Crocker bldg
Gartland P. J., 1396 16th
Gervais Henry, 1727 Mission
Gest G. M., 503 Market
Gilchrist James, 233 Stevenson
Gilson J. E., 180 Jessie
Glaze Robert, Humboldt Bk bldg
Gompertz Chas. W., 503 Market
§Grace & Bernieri, Claus Spreckels bldg
Gutleben Bros., New Call bldg
Hannah Bros., 142 Sansome
Hannah J. D., Chronicle bldg
§Hannah J. S., Williams bldg
Hansbrough-Johnston Co., Monadnock bldg
Hansen F. L., 200 Polk
Harney Jos. G. (Street), Pacific bldg
Hayes Oser Co., Call bldg
Healy-Tibbitts Const. Co. (Excavating, Fireproof Construction, etc), Main & Market
Henderson W. D., Monadnock bldg
Henning Wm. H., Hearst bldg
Hjul Jas. H., 57 Post
Hock Chas., 180 Jessie
Hogberg & Ludwig, 180 Jessie
Holt O. C., 110 Jessie
Houghton Constr. Co., 544 Market
Houghton Shirley, Phelon bldg
Hoyt H. P. Co., Monadnock bldg
*Hyde, Harjes & Co. (Bridges, etc), 110 Market
International Diamond Drill Contng. Co., Hobart bldg
Jensen G. P. W., 320 Market
Johnson Joel, 110 Jessie
Klyce Harvey A., Call bldg
Knowles & Mathewson, Call bldg
Koenig Chas. J. U., 110 Jessie
Kronnick Bros., 1659 O'Farrell
Lange & Bergstrom, Sharon bldg
Larsen Chris, 110 Jessie
Larsen-Sampson Co., Crocker bldg
Leiter E. T. & Sons, Call bldg
Leonard J. J., Phelan bldg
Lindgren Co., Monadnock bldg
Little Mathew A., 2640 Jackson
§Long A. E., Monadnock bldg
Lynch Hubert T., 180 Jessie
Lynch P. J., 1701 Irving
McClenahan T. W. & Co., Call bldg
McClenahan-Kraner-Carter Co., Inc., Rialto bldg
McDonald J. W. Co. (Street), Monadnock bldg
McGinn G. W. & Co. (Sewer, etc.), Phelan bldg
McHugh Owen (Excavating & Grading), Russ bldg
McKenzie W., 734 Washington
McLaughlin J. L., 244 Kearney
McLean A. C. Const. Co., 320 Market
McLean Neil A., Chronicle bldg
§McLeran & Peterson, Sharon bldg
McMullen, C. E., 110 Jessie
McSheehy Bros., 73 Langdon
Macdonald & Kahn, Rialto bldg
Mahony Bros., Crocker bldg
Malloch J. S., 110 Jessie
Marcussen Marius, 201 Sansome
Markle R. B., Hearst bldg
*Marsh Bros. & Gardenier, Monadnock bldg
Martin Wm., 110 Jessie
Masow & Morrison, Monadnock bldg
Mealey & Collins, 180 Jessie
Merchant C. T., 180 Jessie
*Moffett & Mead, Monadnock bldg
Moller R. W., Call bldg
Monk John, Sharon bldg
Monson Bros., 1907 Bryant
Moore & Watson, 110 Jessie
Moores-Bode Gravel Co., Tara & Geneva
Moran Improvement Co., Monad bldg
Morehouse C. C., 872 Folsom
Mortenson Construction Co., 19th & Indiana
Mulcahy Bros., 180 Jessie
Nelson & Bauer, Fulton & Gough
Newsom Wm. A., Sharon bldg
Nichols H. D., 1381 Stevenson
Nimmo Geo., 634 Clay
Nugent Robinson, 2165 Market
*O'Brien Jas. H. (Street), Hearst bldg
O'Neill Daniel, 273 Minna
§Owsley Burt T., Call bldg
Pacific Const. Co., 16 California
Pacific Engineering & Construction Co., 544 Market
Pacific Fence Const. Co., 245 Market
Pacific Pumping Co., 350 Battery
*Pacific Improvement Co., Crocker bldg
Palmer & McBryde, Hooker & Lent bldg
Palmer & Petersen, 681 Market
Parker K. E. Co., G. G. Park Museum
Pasqualetti Joseph, Humboldt Bk. bldg
Penny Isaac, Phelan bldg
Petersen H. L., 735 Treat
Petterson & Persson, 62 Post
Price Thomas H., 201 Sansome
Pringle, Dunn & Co., 338 Pine
Rainey W. A., 180 Jessie
Rednall W. W., 110 Jessie
Reeder A. J., 110 Jessie
§Reite J. B., 951 Mission
Ringrose R. & Son, 320 Market
Ritchie F. R. & Co., Chronicle bldg
Robinson & Gillespie, 1051 Sutter
*Rolandi F., 550 Montgomery
Ruegg Bros., Pacific bldg
San Francisco Bridge Co., Nevada Bk. bldg
Savage M. J., Flatiron bldg
Shattuck Edinger Co., 525 Market
Sly L. H., Stanford Court Apts
Smith J. H., Monadnock bldg.
Smith Rice Co. (Riggers), 148 Spear
Spalding Const. Co., Rialto bldg
Spargo John, 240 Montgomery
State Improvement Co., Crocker bldg
§Stock Lester H., 110 Jessie
Stockholm Chas. & Son, Monad bldg
Stockholm & Allyn, Monadnock bldg
Stone E. B. & A. L. Co., Rialto bldg
Storrie R. C. & Co. (Sewer), Crocker bldg
Sturges Benjamin, 3931 Geary
Taylor & Jackson, Call bldg
Taylor & Goericke, Sharon bldg
Thomson Bridge Co. (Bridge, Sewer & Public), 108 Main
Thorpe J. T. & Son, 525 Market (Brick)
Threlkeld M. C., 65 Market
Thurston E. T., 57 Post
Tibbets Pacific Co., 16 California
Troback B. A., 180 Jessie
Trost Robert, 26th & Howard
Trounson J., 121 5th
Tucker E. W. & Co., 347 Fremont
Twohy Bros. Co., Hobart bldg
Union Construction Co., 604 Mission
Utah Const. Co., Phelan bldg
Van Sant-Houghton Co., 544 Market
Vaughan H. G., 68 Post
Vitrolite Const. Co., 1490 Mission
Wagner Geo., 251 Kearney
Walker P. J. & Co., Monadnock bldg
Watson Daniel, 39 St. Ann
§Westerlund J. V., 320 Market
Western Motor Draying Co., 373 Noe
Western States Const. Co., Hearst bldg
White & Gloor, Monadnock bldg
Whitlock & Gorrill, Monadnock bldg
Whitton Frederick, 251 Kearny
Wilhelm A. H., 180 Jessie
§Willett & Burr, Sheldon bldg
Williams Howard S., Hearst bldg
Williams J. G. Const. Co., 519 California
Wold C. L. Co., 75 Sutter
§Wright Chas., 517 2d
SAN JOSE—Wallace & Bush (Engng)
SANTA BARBARA—Johnson Magnus
SANTA MARIA—Doane G. M. & Sons
SELMA—Jourdan I. (Cement)
STOCKTON—Clark & Henery Construction Co.

## COLORADO.

DENVER—Brown & Schaepferman, Continental bldg
Colorado Wrecking & Building Co., 1426 2d
Denver & Pueblo Const. Co., 3262 Blake
Denver Wrecking & Const. Co., 851 Delaware
§Dunn Chas. J., 1328 Inca
Farrar & Guy, Quincy bldg
Kirchhof Frank Lumber Co., 7th & Lawrence
§Lambe C. S. & Co. (Engineers), Tramway bldg
Morrison Wm. O., Cooper bldg
Roberts J. F. Const. Co.
*Wogan Maurice A., 1st Nat. Bank bldg
PUEBLO—Anderson Hamill Construction Co.
Croll Paul C. (& Engineer)
Pueblo Bridge Co. (Bridge )
TRINIDAD—Crouch Lumber & Const. Co.

## CONNECTICUT.

ANSONIA—Bengstom H. G.
Davidson John J.
§Nelligan Michael, Jr.
BERLIN—Berlin Construction Co.
BETHEL—Dolan Mrs. Ellen
§Senior A. H.
§Higley W. C.
BRANFORD—Rice M. P.
Sliney John T.
§Harrington C. W. Co.
BRIDGEPORT—Bechard Ephram
§Bishop John H., 171 John
Bjorlund Chas. A., 682 Dewey
Blycher August W., 3128 Fairfield av
Botsford Charles H., 1515 Park av
Bridgeport Sewer Const. Co., 165 Lindley
§Burns Co., 952 Main
§Casey & Hurley, 120 Pequonnock
Chatlos William F., 1374 Barnum av
Christensen & Christensen, 869 Grand
Cocozza Louis H., 1188 Main
§D'Agostino Jos. Co., 1834 Main.
Doherty Joseph & Bro., ft. of Hallam
Dowling & Bottomley Co., 1119 Broad
Eisenman Chas. E., 154 Linwood av
Factory Engineering Co.
§Gallagher Building Co., 257 Courtland
Greenwood S. J.
§Grant & Fanning, 49 Smith
Grosso James
Gruss Bros.
§Hubbell S. W. Bldg Co., 589 Knowlton
Iron Ledge Co., 320 North av
Jackson & Greer, 500 Park
Johnson Edwin A.
Ley E. T. Co., 1024 Main

§McCarthy Geo. T., 929 Ironistan av
McCarthy Patrick (Mason)
McKeon & Blake (Mason)
§Marsh Bros. Co., R. F. D. 1
Martin William & Son, 164 State
§Martucci R., 1603 E. Main
Medve Peter, 130 Lenox av
Millo Pellegrino & Son, 85 Steuben
Monico Alexander (Mason)
Nooman Michael (Mason)
§Nording F. George, 1403 Boston av
§O'Brien Timothy & Son, 137 Black Rock av
Pardy T. J. Const. Co., 15 Fairfield av
Pierce Mfg. Co. (Sewers, etc.), 785 Housatonic av
Power M. J.
§Progressive Building Co., 738 Grand
§Saltman Henry B., 136 Fairfield av
Schnee & Schnee, 1115 Main
§Schultz Algott, 222 Union av
§Sheehan John R., Court Ex. bldg
Sillman & Godfrey Co., 1119 Broad (Paving)
§Smith W. A. & Son, 188 Cannon
Stewart Thos.
Toole & Sunderlin (Docks, etc.), Warner bldg
Varone Bros., 287 Davenport
Wike & Sundin, 211 State
Wolf Concrete Constr. Co., 290 Palisade av (Paving)
Zitnay Andrew, 603 Arctic

BRISTOL—§Allaire P.
Vacca Cosmo (Concrete)
COSCOB—§Peters & Probst
DANBURY—§Blackman W. B.
§Defina Rocco U.
Larson Nils
§Olmstead Fernando C.
Sturgess Frank M.
§Sunderlind Wm.
§Sweeney Luke F.
DANIELSON—Davis Frank A.
DEEP RIVER—Moore Harry A.
DERBY—§Durrschmidt Max A.
Eastern Engineering & Const. Co.
§Hession Bros.
§Hotchkiss William S.
Interstate Contr. Co. (Paving)
GLENBROOK—Raymond Everett
Tracy Edward P. (Road)
GREENWICH—§Anyan Wm. S.
Christiano Joseph
Cumiskey John H.
Egan Thos. J.
Locke John
Rainey Peter J.
Wanamaker Geo. E.
GROTON—Park Elbert O.
HARTFORD—Ahern & Welch Co., 721 Main
Andrus Chas. B. & Son
Balf Edw. Co. (Excavating, etc.)
Barrett Robert W.
Belden E. S. & Sons, 217 Laurel
§Bent R. G. & Co., 904 Main
§Brooks Peter & Son, 267 White
Bryne A. W. & Sons
Bungalow Construction Co.
Burgess Construction Co.
§Caulkins W. E. & Son
Connor & Poriss, Inc.
Curtiss & Dean
Dall, Bowers, Inc., 348 Trumbull (Paving)
Ellison Construction Co., 60 Prospect
Fox T. R. & Son
Garrity Thos. F. (Mason)
Grozier Jas. H. Co.
Hanson O. L.
Hills Alfred L.
Jones Richard F.
Juster Harry
§McAuliffe & Mehegan, 720 Main
§McIntyre & Ahern
§Mahl Herman
Malcolm Thos.
Miskill Edw. J.
§Nevels Bros.
§Newton Theo. & Co.
Newton Thos. S. (Mason)
O'Brien Denis & Sons Co., 118 Asylum
O'Loughlin James
O'Neil Wm. F.
O'Neill Bros.
Petrossi Louis
Porteus Walker Co.
Provost Napoleon L.
Prescott F. G. (Mason)
§Purves Adam
Sexton W. J. (Concrete)
§Scoville Wm. H., 720 Main
§Smith & Des Champs
Squires Walter L.
Stenson Oliver E.
Thompson Geo. (Mason)
§Tryan Andrew H.
Waterman Harlan P.
Wise & Upson

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MADISON—Field Geo. C.
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Lane Construction Corp. (Macadam Construction, etc.)
Lines H. Wales Co.
Mezzanetti Cecisare (Mason)
§Miller Lewis A.
Suzio Leonardo Const. Co. (Roads)
York Hill Trap Rock Quarry Co. (Roads, Bridges, etc.)
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Arrigoni F. & Bro.
§Baldwin Linus
Brazos A. & Sons
Donahoe Bros. (Excavating, Grading, etc)
§McKenzie Donald
Mazzotta Salvatore (Mason)
§Moore Harry S.
§O'Brien Dennis & Sons
§O'Connor James
§Stone C. O. & Son
MILFORD—§Broadwell C. H.
Clark Elbert N. & Son (Roads)
MYSTIC—Cromwell Chas. S.
NAUGATUCK—Meggin W. J.
§Reidy & Kelly (Mason)
NEW BRITAIN—Baker Milton O. (Concrete)
Baker & Lasher, Inc.
Cadwell Archie B. (Sewers, Grading, etc.)
§Carlson & Torell Co.
§Clifford A. D. Co.
Crowe Thos. W. (Mason)
§Downes John E.
Hall Bros. (Concrete)
§Hibbard B. H. Co.
Leavitt & Hayes
Lyman Abner A. (Sewer & Grading)
Maguire John P.
Ramage Ripley J.
§Rutherford A. N., Inc. (Mason)
Ulinski A. Bldg. Co.
NEW CANAAN—Mattielo Michael
NEW HAVEN—Arborio John
Augur Chas. E. Co., 549 Elm
*†Blakeslee C. W. & Sons (Sewer & Paving), 58 Waverly
Blatchley Burton N., 902 Chapel
Brazos Frank (Excavating, Sewer, etc.), 135 Foote
Carmichael D. G. (Mason), 902 Chapel
§Church Jas. A. Co., 262 Sherman av
City Point Concrete Co., 149 Greenwich av (Paving)
§Clark David H. Co., 166 Brewery
§Coan M. A., 185 Church
§Coffey Lawrence J. (Mason)
Colwell Philip (Sewer, etc.), 21 Gilbert
Connecticut Concrete Co., 185 Church
Conn. Hassain Paving Co., 902 Chapel
Dahill F. J. Co., 217 Water
Daley Robt. D. Co., 6 Church
Dwight Building Co., 24 Center
Dwyer & Mannix, 335 Shelton av
§Fowles Harry I. & Son, 188 Poplar
§Gibbud M. J. Co., 107 Water
Grant G. M. Co., 865 Chapel
§Hedges Geo. L., 330 Norton
§Hildreth J. D. & Son, 514 Elm
Hogan Jas. H., 138 Davenport av
Hoggson Bros., 129 Church
Hubbell & Merwin Co., 19 Artizan
§Humphrey John (Paving, Grading, etc.), 56 Perkins
Imperial Const. & Rl Estate Co., 29 Kensington
§Knoll Carl A. & Son, 59 Sherman av
Larkin-Carey Co.
Larson Oscar, 515 Quinnipiac av
*Lathrop & Shea Co., 185 Church
Leonard J. N. & Co., 902 Chapel
§Lowe John, 352 Grand av
§McCaulley Harry, 42 Helen Hamden
§McFeeters Chas., 586 Orchard
Maher Thos. F. (Sewers), 883 Orange
Maher & O'Connell (Masons)
Maher & Sprague, Inc., 185 Church (Sewer)
Montgomery Bros. (Excavating & Grading), 58 Lombard
§Murdock Chas. W., 185 Church
New Haven Engineering & Const. Co., 82 Church
§Notkins A. L. & Sons, 23 Church
§O'Brien Laurence, 70 Beach
Palmer & Lynch, 415 Campbell av, W. H.
§Patterson Wm., 241 Orange
§Penney Albert W.
Rice Jos. N., 902 Chapel (Paving)
§Ritchie Wm. Co., 115 Bishop
Russell Sam'l C., 185 Church
§Salvo Mario (Mason)
Sherman John L. (Grading, etc.),, 253 1st av, W H
*†Sperry Engineering Co., 82 Church
Sperry & Drake Co.
Sperry & Treat Co. (Masons), 89 Church
Standard Construction Co., 42 Church
Sullivan & McKeon, 843 Dixwell av
§Thomas & Hobro Co., 340 Howard av
Thompson J. P. (Excavating, Grading, etc), 204 Goffe
§Todd Jas. E., 255 Kimberly av
Warner Geo. W., 29 Circular av
Waterhouse Charles R., Jr. (Bridges, etc), 74 Park
Westcolt & Mapes, 204 Orange
§Wharton G. D., 213 Winthrop av
Wooding C. F. Co., 185 Church

NEW LONDON—Andre B. (Excavating, etc.)
Burch Horace O.
§Brody & Lipman
§Cruise Edwin
Doland, J. A. & Co.
Douglas H. R. (Inc.)
*Fitzgerald J. E. Co. (Masonry)
§Fowler O. L. (Mason)
§Harvey Wm. A.
§O'Connell Michael
Redden Const. Co. (Excavating & Grading)
§Ryan J. J. (Stone & Cement)
§St. Germain Joseph A.
Scott T. A. & Co. (Dredging, Pile Driving)
§Smith & Perry
§Woodworth & Jenney Co.

NEW MILFORD—§Taylor & Buckingham
NEW PRESTON—§Pullis C. J.
NORFOLK—Snow Melville E. (Mason)
NORTH HAVEN—Bruce Lawrence (Road)
NORWALK—Carr Herbert V. (East Norwalk)
Malkin A. R. & Co.
St. John & Keyser

NORWICH—Blackledge H. & Co., 25 Seventh
Connecticut Engng. & Contracting Co.
Del Carlo C.
Dodd Thos. J. (Sewer)
Marshall Chas. O.
McQuirk Wm. H.
§Peck McWilliams Co.
Purvis David H. (Mason)
§Smith Cornelius
*Torrance Archibald (Sewer, Public Works, Waterworks, etc.)
Williams C. M.
§Young Wm. C.

OAKVILLE—§Abbott Chas. F.
§Bradshaw Alfred (Mason)
PUTNAM—§Wheaton Bldg. Lumber Co.
REDDING RIDGE—McCollam H. C.
RIDGEFIELD—§Scott Ernest
SEYMOUR—Church Stephen B. (Water Works)
§Harris William & Sons (Masons)
SHELTON—Beard B. N. Co.
§Brennan J. J. & Sons (Masons)
SOUTHINGTON—Nalon Thos. (Mason)
SOUTH MANCHESTER—Gorman Thos. J.
§Mahoney John (Mason)
§Peck A. T.

SOUTH NORWALK—Brown Alfred
Chariott Salvatore
Foley T. F.
Marine Const. Co.
Mather Bldg. Co.
Robins Thomas (Mason(
STAFFORD SPRING—Campo B. (Mason)
§Graves W. D. & Son
STAMFORD—Alevoli G., 88 Lanark rd
Dawless Frank S.
Dodge Geo. E.
Genovese Bros., 290 W Main
O'Conner Concrete Const. Co.
Palmer Frank L.
Parsons Harold A.
§Sarsfield Thomas C., 324 Main
Shea-Sullivan Co., 303 Main
Spelke Const. Co., 231 Atlantic
§Rouck J. J., Jr.
Valerio Francisco
Vuono Const. Co. (Masons), 303 Main
§Wardwell Frederick S.
Weed G. N.

CONNECTICUT—continued
STERLING—Bennett Nelson A.
STONINGTON—§Perry A. W.
Wilcox Asa C. (Mason)
STATFORD—Beardsley J. E. (Mason)
TARIFFVILLE—Ketchin A. J. & Son
THOMPSON—Vito A. Constr. Corp.
TORRINGTON—De Michiel John & Bro.
Driscoll John E. (Sewer)
§Fuller Frank W. (Mason)
Gleeson Wm. A.
Mascetti & Holley
Mawla Ernest
Torrington Building Co., Inc.
UNIONVILLE—Kribbs Benj. R. (Mason)
WALLINGFORD—Kavanaugh Edward F.
Loucks & Clarke Corp.
§Wooding C. F. Co.
WATERBURY—Altieri Bros., 145 Bishop
Barbara & D'Aurio (Sewers)
**Bernier Victor, 953 Baldwin**
Carey Owen
**Chatfield George S. Co.**
**§Delowry Thos. A.**
Diorio Rocco & Co. (Sewer)
**Gaffney J. W. Son, 427 E Main**
**Goldsmith & Chatfield, 672 W Main**
Hurlbut W. M. Co.
†New England Engineering Co., 31 W Main
La Croix Duhaime Co.
Machamchik & Rudrman
Mill Engng. & Constr. Co.
Poulsen Sofus S., Inc.
**Spinach Henry Contracting Co. (Excavating, Grading, Sewer, etc), 216 Lounsbury**
Tracy Bros. Co. (Masons)
WEST HARTFORD—Cone Robert H.
Stemberg A. C., Inc.
WEST HAVEN—(See New Haven)
WILLIMANTIC—**Ahern Construction Co.**
Latham & Crane
§Doyle & Murphy Co.
§Meehan & Lambert
WILTON—§Eakland C. O. & Son
WINDSOR—Searle Chas. B.
WINSTED—Carey J. F. (Grading, Waterworks & Public)

## DELAWARE.

DELAWARE CITY—Anderson Jas.
Clark Harry C. & Son
ELSMERE—Banta Claude
MARSHALLTOWN—McDowell Alfred H.
WILMINGTON—Bader J. A. Co.
§Barkley N. Smith
Charles Geo. S. & Son
§Dangel David & Sonss
§Downward Alfred
§Haddock Wm. D. & Co.
§Hamilton Jos. S. Co. (Mason)
Healy John E. & Sons
Jones Wm. H. Contracting Co., 823 Shipley
Longwood, Inc.
Logue James
§McCoy S. Howard
**Manufacturers' Contracting Co. (Engineers), Church & F**
Melvin Thos. H.
Pyle & Stannard
§Reed A. S. & Bro. Co. (Public Work & Masonry)
Tindall, Chas. H. & Son
Tindall Wm. C.

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**§Avery Walter B., 632 G, N W**
**Bache Arthur J., 1225 11th, N W**
**§Beahm & Rice, 615 14th, N W**
Bean James W., N W cor 4th & M, N E
Boryer Harry F., 1300 F., N W
Boyle-Robertson Constr. Co., Evans bldg
**Brenizer Warren F. Co., 205 Q, N W**
§Breuninger L. E. & Sons, Colorado bldg
Capital Constr. Co., Portner
Case Walter, 817 G, N W
Cassidy Chas. J. Co., Southern bldg
§Clarke & Winston Co., 10th Wharf, S W
Corbett Geo. W., 409 10th N W
Cranford Paving Co. (Caisson & Bridge Foundations), 2620 E, N W
Darby R zin W., 3009 O, N W
Drew Fred Co., Woodward bldg
Edmonston Sam'l H. Co., 611 G, N W
Federal Constr. Co., Dist. Nat'l Bank bldg
Fenestra Constr. Co., Evans bldg
§Fersinger Peter, 1 N, N W
Fuller Geo. A. Co., Munsey bldg.
Garrett Wilbur R., 1416 F, N W
**Gormley P. F. Co., Union Trust bldg**
Gummell Edw. G. (Sewer & Public), 36 P, N W
**Hampton Thomas, Union Savings Bk.**
Harbin Sam'l, 326 13th, N W
Hughes Thos. & Son (Brick Wk), 58 New York av, N w
§Kennedy Bros., Inc., 2400 16th, N W
§Kennon Chas. C., 814 18th, N W
Langley Chas. A., 310 12th N W
Leaman Lafayette, 1214 F, N W
Lewis Frank C., 618 12th
§Lipscomb Wm. P. & Co., District National Bank bldg
Loehler G. G. Co., Franklin Nat'l Bk. bldg
McCray Wm. H., Evans bldg
McKay & Morris, 715 14th, N W
Meatyard Constr. Co., Wilkins bldg
Meitzler & McKay, Oxford bldg
Miller W. C. & A. M., Union Trust bldg
**§Mooney W. E., Evans bldg**
Moses A. C. Constr. Co., 916 N. Y. av, N W
**§Parsons Jas. L., Southern bldg**
Perry Chas. B., 3022 14th, N E
Prescott Sam'l J. & Co., 814 13th, N W
Reeve Wm. K., 826 19th N W
Richardson & Burgess, Colorado bldg
Rust Engineering Co., District Bank bldg
Skinker & Garrett, 1416 F, N W
**§Smith Arthur L. & Co., Woodward bldg**
Sorrell Richard H., 329 N, S W
**Stewart Jas. & Co., Munsey bldg**
Tribby H. B. Co., Southern bldg
Vinson Contracting Co., 203 Indiana av
**§Wagner Frank L., 1413 H, N W**
Wardman Harry, 1430 K, N W
Watts H. D. Co., Riggs bldg
§Weller Constr. Co., 816 14th, N W
§Westinghouse Church Kerr & Co., Wilkins bldg
**§Whitty R. P. & Co., Union Trust bldg**
Wilkinson Jos. R., 3326 N, N W
§Wischhusen John, 811 Butternut, N W
**§Wyne Geo. E., Home Life bldg**
**Yost Amos S., 1004 Pennsylvania av S E**
Zepp Guy S., Southern bldg

## FLORIDA.

DAYTONA—Espedahl Jacob
Gove S. H.
EUSTIS—Kinser B. M.
FORT MYERS—Wallace W. R. & Co.
GREENCOVE SPRING—Rice Peter
HAINES CITY—Randall F. A.
HOMESTEAD—Umphreys J. F.
JACKSONVILLE—Bryan & Co. (Macadam Roads)
Donahoo J. D.
Jacksonville Concrete Products Co.
**Long Fred W. & Co.**
McAden Hugh F.
Rae Robert
Ramsey Jas. (Paving)
**Richardson W. P. & Co.**
**Ross R. G. (Public & Government Work)**
Woodcock O. P.
MIAMI—Art Stone Construction Co.
John Ben Co. (Dredging)
**Johnson & Co.**
Orr J. B.
Quinn J. J. Co.
§St. Johns Co.
**Seminole Constr. Co. (Road)**
PENSACOLA—Blount F. M. Construction Co.
Crona Bros. Constr. Co.
Davis L. M.
Fulghum S. L. & Co.
Pons & Sunday
Southern Paving Construction Co.
Turner C. H. & Co.
Williams N. W.
Wills C. W.
Wilson James Y.
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Fletcher R. E.
ST. PETERSBURG—Henry Walter C. & Son
**Henry Walter C. & Son**
Southern Construction Co.
Williams W. B.
SARASOTA—McAlpin Geo. M. (Concrete)
TALLAHASSEE—Childs Bros.
TAMPA—Bates-Hudnell-Jetton Co.
**Cole W. V.**
Davis & Webb
**Holmes & Binkley (Paving, etc.)**
Logan Bros.
Lopez M. F.
Miller G. A.
Parker E. W.
**Sherrill T. B. (Paving, etc.)**
Thompson B.
WEST PALM BEACH—Brown Geo. W.
Greynalds & Monroe, Inc. (Road)

## GEORGIA.

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Smith & Watson
AMERICUS—Americus Const. Co.
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Barrett Geo. O. Co. (Roofing)
**Bernhardt Chas. Wm.**
**Bray G. H.**
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§Mackie Const. Co.
Mashburn W. E. Co.
Miles & Bradt Co.
Miller C. E.
Municipal Engng. & Constr. Co.
Murphy's C. P. & Sons (Paving)
Myers C. B., Constr. Co.
Nichols Contracting Co.
Oxford J. E.
Pittman Construction Co.
Shelverton C.
Souders Byron (Paving, etc.)
Southern Constr. & Supply Co. (Public Buildings, Municipal Improvements, etc.)
Southern Ferro Concrete Co.
Tufts Arthur
Turner Construction Co.
Walker R. M. & Co.
Wesley T. C.

AUGUSTA—Bell M. F.
Brown T. O. & Son
Daly T. J.
Ely Construction Co.
Holley, C. B.
Lawrence Constr. Co.
McKenzie Bldg. Co.
Palmer Spivey Constr. Co.
Rowland A. K.
Sibert & Robinson
Skinner R. E.
Twiggs A. J. & Sons (Engrs.)

BOSTON—Foster W. R.

COLUMBUS—Barlow M. C.
*Gardner & Doughtie (R. R.)
Georgia Paving & Construction Co.
*Hardaway Contracting Co. (Bridges, etc.)
§Jordan Co.
Pollard M. J. C.
Wooten L. E.

CORDELE—Hinton W. C.
Little & Phillips

MACON—Arnold E. J.
Beeland W. J.
Cornell-Young Co.
Crump A. B. Constr. Co.
Elkan M. M. (R. R., etc.)
Fannin G. W.
Griffin W. D.
Hall Geo. B.
Schofield-Burkett Const. Co.
Smallinges R. H. Sons
*Williams W. Z. Co. (R. R., etc.)

MANSFIELD—Mansfield Lumber & Construction Co.

MILLEDGEVILLE—Marchman J. W.

ROME—DuPree J. F. & Sons Co.
McKenzie C. C.

SAVANNAH—Artley Co.
Gadsden Contracting Co.
Hawley W. O.
Morgan E.
O'Connell C. S.
Otto Geo. F.
Woollard & Cunningham
Yates J. W. L.

SPARTA—Wiley R. B.

THOMASVILLE—Amason T. E.

WAYCROSS—§Park Mossand & Co.
§Park Mossand & Co.
§Parker V. C. & Son

WRIGHTSVILLE—§Chester W. C.

## IDAHO.

BOISE—Morrison-Knudsen Co.
Western Construction Co.

COEUR D'ALEN—Carscallen Drainage & Constr. Co.

KAMIAH—Kelmorgen Leo

SAND POINT—Montjoy H. L.
Springer Samuel

WALLACE—Freedner & Co.

## ILLINOIS.

ALEDO—Harney Bros.

ALTON—Mulville Bros.
Unterbrink Henry
Voorhee F. A. Constr. Co.
Wuellner J. J. & Son
Yungck E. G.

ANNA—§Shipley James M.
§Coffman Jas. M. & Son

ANTIOCH—Sibley J. E. & Sons

ARCOLA—Goggin Construction Co.
Thornton & Ginder (Concrete Brick)

ARLINGTON HEIGHTS—Boeger John C.
Meyer Wm. & Son
Myer Henry G.
Schulenberg J. (Mason)

AURORA—Doan Israel & Sons Co.
Graham Wm. Henry
Hallett H. D.
Reuter A.

BARRINGTON—Garbisch Herman

BEARDSTOWN—O'Mears M. J.

BEECHER—Wiggenhauser Wm. (Cement)

BELLEVILLE—§Bauer Bros.
Hoeffken Bros.
Johnson W. C.
Poirot A. P.
Reeb Bros.
Teufel-Kloess Co.

BENTON—Harris L.

BERWYN—Chupka Jno. & Son

BLOOMINGTON—Bloomington Const. Co.
§Bowman C. C.
Lain Ira D. (Paving)
McCarthy M. C.
Simmons Dick Co.

BRADLEY—Moroff John & Son

BROOKFIELD—Pentis James & Son

BUSHNELL—Wiegert Construction Co.

CARBONDALE—Young Grant

CASEY—Etchison J. W. (Cement)

CARLINVILLE—Dunn Wm. P.

CARTHAGE—Munson M. A.

CENTRALIA—Sliger A. J.

CHAMPAIGN—Davis C. W.
English Bros.
§Freeman & Brooks (Masons)
Howard H. C., Jr.
King L. B.
Lange Bros. (Cement)
Nofftz R. T.
Norman U. G.
Stipes & Pilcher (Paving, etc.)
Stoolman A. W.

CHARLESTON—Mitchell C. D. & Son

CHATSWORTH—Watson, Geo.

CHICAGO—Adams Constr. Co., 137 S. La Salle
Adams Wm. Co., 209 La Salle
Aetna Paving Co., 133 W. Washington
Allan Geo. & Co. (Masons), 625 W 69th
Allen Dwyer Co., 106 N La Salle
§Allison & Goldbeck, 109 N Dearborn
American Sewer & Drain Constr. Co., 2816 N Washtenaw av
Anderson A. & E. Co., 19 La Salle
Anderson & Winblad, 6235 S Michigan av
§Andrews Wm. R., 3839 Ellis
Angus Wm. J., 3127 Shields av
§Appel Henry L. Co. (Masonry), 91 W North av
Archibald E. L. Co., 111 W Washington
§Arnold Co., 105 S. La Salle
Ashton W. R. & Co., 9204 Pleasant av
Austin Co., 208 S La Salle
Austin Co., The, 4301 S. Western av
Baldwin M. E. Construction Co., 140 S Dearborn
Balkan Construction Co., 53 W Jackson blvd
§Barnard H. B., 140 S Dearborn
Barr John F., 3447 Indiana av
Barton Spider Web System, Kimball bldg
*Bates & Rogers Construction Co. (Engineers & Contractors), 37 W Vanburen
§Bauer A. Constr. Co., 227 W Huron
Benson, Chas. A., 1801 N Fairfield av
Benson & Peterson 437 Leclaire av
Bergendahl-Knight Co., 111 W Monroe
Bernhisel Constr. Co., 105 W Monroe
§Bernritter Frank H., 127 N Dearborn
Bishop H. A., 208 S La Salle
Bique N. J. & Son, 133 W Wash.
York A. E., 133 W Wash.
Bjork Bros., 3811 Forest av
§BLACK-PEEL CO. (formerly Black Constr. Co.), 20 W Jackson
Black James Masonry & Contracting Co., 212 W Washington
Blase Hans, 5019 Pensacola av
Blow Knox Co., 366 E 30th
§Blome-Sinek Co., 139 N Clark
Boland J. V. Construction Co., Monadnock bldg
§Boyce W. E. Bldg. & Mfg. Co., 1553 Wells
Brady W. B. Const. Co. (Paving), 111 W Washington
Brennan Const. Co., 11 N La Salle
Broline Nolan & Co., 8 S Dearborn
Brooks O. E. & Sons, 6711 Olmsted av
Brundage Avery, 110 S. Dearborn
Buck Niels & Co., 105 La Salle
Bulley & Andrews, 25 N Dearborn
Bund & Bros. (Cement), 915 E 75th
§Burrell Engineering & Construction Co., 323 S La Salle
Bush, Roberts & Schaefer Co. (Engineers & Contractors for Reinforced Concrete Bridges & Viaducts), 332 S Michigan av
§Bushnell Carl, 133 W Washington
Byrne Bros. Dredging & Engineering Co., 208 S La Salle
Cairo Wood Products Co. (Sectional Houses, Bungalows, Garages, Barns & Railroad Buildings), 11 S La Salle
Calumet Concrete Const. Co., 100 W 115th
Cameron W. J. Co., 106 N La Salle
§Canadian-Leonard Const. Co., 332 S Michigan av
Canal Construction Co. (Excavating, etc.), 189 W Madison
Carnegie John L. & Son, 189 W Madison
Carpenter Henderson Co., 118 N La Salle
Carter W. G., 3301 Parnell av
Caughlin F. P. (Paving), 30 N La Salle
Central Paving Co. (Street), 179 W Washington
Chauey J. H. & Son Co., 189 W Rand.
Chapman Chas. (Mason), 118 N La Salle
Chicago Building Const. Co., 4770 Lincoln av
Chicago Drainage Const. Co., 30 N La Salle
Chicago Foundation Co., 105 W Monroe
Chicago Special Constr. Co., 301 Monadnock blk
Chicago Special Constr. Co., 53 W Jackson bl
Citizens' Const. Co. (Excavating, Grading, Sewer, Street, etc.), 133 W Washington
§Clark A. R. & Co., 30 N Michigan av
§Clark C. Everett Co., 69 W Washington
Clark & Wynne, 8 S La Salle
Clausen C. F., 3153 Leland av
Clayson Edw. (Masonry), 1307 N Harding av
Cleary-White Const. Co., 105 W Monroe
§Clifford S. & Co., 10 S La Salle
Cohlgraff Henry J., 133 W Washington
Connelly Joseph L. Co. (Masonry), 133 W Washington
Continental Bridge Co., 53 W. Jackson blvd
Contracting & Material Co., 10 S La Salle (Paving)
Conway R. F. Co. (Brick, Paving, etc.) 133 W Washington
Croake James J. (Cement), 2927 Fullerton av
*Cullen-Friestedt Co., 7 S Dearborn
Cullen Geo. P. (Bridges), 155 N Clark
Cummings Wm. F., 330 S Paulina
Custodis Chimney Co., 140 S Dearborn
Daegling A. V. (Mason), 9000 Houston av
Dahl-Stedman Co., 3336 Fillmore
Dahl-Stedman Co., 11 S La Salle
Daniel Oscar Co., 325 W 29th
Desmond Owen E., 429 Plymouth ct
Dillon Jno. & Co., 179 W Washington
Doherty Frank E., 133 W. Washington
Dolese & Shepard Co. (Paving, etc.), 108 S La Salle
Dowling & Rutherford, 128 N La Salle
Downey Joseph, 30 N La Salle
Drumm Constr. Co., 332 S Michigan av
*Dunn-McCarthy, 37 W Van Buren
Egan & Co., 133 W Washington
Entin & Rubin (Mason), 1357 N Rockwell
Ericsson Henry Co. (Heavy Masonry), 139 N Clark
Erwing W. R., Inc., 112 W Adams
§Eshelman Jas. C., 35 N Dearborn
Ferro Construction Co., 537 S Dearborn

ILLINOIS—Chicago—continued

*Fitzsimmons & Connell Dredge & Dock Co. (Dredging, Timber Dealers, Canals, Piers, Tunnels, Foundation), 2413 S Paulina
Folwell-Ahlskog Co. (Engng. & general contractors, Grain Elevators, Flour Mills, Power Plants, Manufacturing Plants & Concrete Warehouses), McCormick bldg.
**Ford & Phillips Co., 723 S 5th av**
Foundation Co., 209 S La Salle
Frandsen Const. Co., 64 W Randolph
§Freyn & Co. (General), Peoples Gas bldg
Friestedt H. F. Co., 327 S La Salle
§Fuller Geo. A. Co., 140 S Dearborn
Fulton Asphalt Co. (Paving, etc.), 53 W Jackson blvd
**Gage Thos. G. Co., 111 W Monroe**
Gallery John J. (Bridge), 133 W Washington
Galvin James, 58 W Rand
Gebhardt John & Son, 1825 Orchard
General Concrete Constr Co., 431 S Dearborn
Giblin Peterson & Scosen, 39 S La Salle
§Gindele Chas. W. Co., 3333 S La Salle
Goldie Robert Co., 19 S La Salle
§Grace Wm. Co., 519 S Oakley bl
§Great Lakes Dredge & Dock Co. (River & Harbor), 104 S Michigan av
Green & Sons Co., Orland
Green H. W. Constr. Co., 8 S Dearborn
Greeuw Dirk, 10950 S Michigan av
Griffiths John & Son Co. (Fire Proof Buildings), 112 W Adams
Guarantee Constr. Co., 37 W Van Buren
Guarantee Constr. Co., 1224 S Kedzie av
Haigh Joseph & Sons Co., 140 S Dearborn
Hammond John Co. (Masonry), 68 W Washington
Hanreddy Joseph (Paving), 127 N Dearborn
Harmond A. H., 130 N Wells
Healy Wm. F. (Sewers, etc.), 82 W Washington
Hendry Alex., 320 W Grand av
*Heyworth James O. (R. R., River & Harbor), 606 S Michigan av
Hinchliff Geo. Co., 189 W Madison
Hoeffer & Co., 133 W Washington
Hoffman W. L. & Co., 144 W 47th
Hoggson Bros., 1st National Bank bldg
Holpuck Jas. A. Co., 1446 Conway bldg
Hoover & Mason, 80 E Jackson blvd
Horton & Moseley, 140 S Dearborn
Howard A. L., 19 S La Salle
Hunter S. M. & Co., 5643 Harper av
Illinois Improvement & Constr. Co. (Concrete), 208 S La Salle
§Iverson E. & Sons, 175 W Jackson blvd
Janisch John L. (Cement), 5301 Ravenswood av
Jeffrey John Co., 127 N Dearborn
Jensen J. C. & Co. (Cement Paving), 7022 St. Lawrence av
Johnson Construction Co., 38 S Dearborn (Paving)
Johnson F. & Co. (Cement), 1943 N Cal. av
Johnson G. A. & Son, 1335 N Clark
Johnson John H., 133 W Wash
Johnston A. Jr. & Co., 111 W Monroe
Jones Fred R. Co., 139 N Clark
Jones Const. Co., 1748 W Madison
Jones & Winter, 53 W Jackson blvd
Kalchbrenner John, 133 W Wash'n
*Kearns T. A. Co. (Bridges, Docks, etc.), 343 S Dearborn
Kehl G. & Son Co. (Cement), 1225 N Maplewood av
Kelly-Atkinson Const. Co. (Steel Bridges, Buildings, Roofs, Viaducts), 189 W Madison
Kenwood Bridge Co., 1st Nat'l Bk. bldg
Ketler-Elliott Erection Co. (Bridge), 155 N Clark
Kilgore W. B., 1272 W North av
§Krahl Const. Co., 350 N Clark
Kreamer & Co., 118 N La Salle
§Krietenstein John, 35 N Dearborn
Krug Wm. & Son Co. (Excavating, etc.), 6529 S State
Lane A. W., 19 S La Salle
§Lanquist & Illsley Co., 1100 N Clark
Larsen Adolph C. (Mason), 7701 Oglesby av
Laubenheimer Geo. E. Co. (Brewery & Malthouse), 17 N La Salle
§Lauk Bros., 3257 Grenshaw
Lauth Philip, 29 S La Salle
Leafgreen Hans A., 133 W Wash'n
Leake T. S. & Co., 608 S Dearborn
Leonard Construction Co. (Engineers & General Contractors, Warehouses, Mfg. Plants, Railway Buildings, Power Houses, Bridge Masonry, Reinforced Concrete, etc.), 332 S Michigan av
Levine Constr. Co., 332 S Michigan av
Leyden-Orstelfen Co., 53 W Jackson blvd
Longacre Constr. Co., 36 W Randolph
Lord & Burnham Co., 208 S La Salle
Lorenz Bros. Co. (Cement) 4540 W. Madison
*Lorimer & Gallagher Co. (R. R., Canal, Masonry & Heavy Concrete), 226 S La Salle
Lotz Philip & Co., 56 E Randolph
Lyman Wm. H. (Paving), 155 N Clark
Lynch Austin J. Co., 111 W Monroe
McCarthy Bros., 10 S La Salle
McCall Const. Co. (Masonry), 327 S La Salle
McCumber C. W. & Son, 140 S Dearborn
McCumber Wm. & Son, 140 S Dearborn
McGarry John A. & Co. (Paving), 189 W Madison
McGovern M. H. (Paving, etc), 332 S Michigan av
McGuire J. J., 546 W Vanburen
§McKeown Bros., 4817 Cot. Grove
§McLachlan Bldg. Co., 112th & Pullman
McLean M. H., 4233 Lake Park av
McLennan Const. Co., 30 N Michigan av
McLennan Constr. Co., 3105 Calumet av
*McMillan Contracting Co. (R. R. Steam Shovel Work, etc.), 37 W Vanburen
McNichols H. J., 924 S Kilbourn av
McWayne Co., 138 W Washington
*MacArthur Bros. Co., 39 W Adams
McWilliams R. H. & G. A. (Drainage, etc.), 332 S Michigan av
MacArthur Concrete Pile & Foundation Co., 122 S Michigan av
MacLean Constr. Co., 76 W Monroe
Marquette Const. Co., 133 W Wash'n
Martin Const. Co., 74 W Wash'n
Mavor Wm. Co., 72 W Adams
Mayclim & Duncan, 621 S Dearborn
Maynard Everett W., 6408 Harvard av
Melter-Larkin Paving Co., 133 W Washington
Mellon-Stuart-Nelson Co., 208 S La Salle
Menke, Thielberg Co., 139 N Clark
Mensch L. J. Crosby, 138 N La Salle
Merrill Corp., The, 440 S Dearborn
Metcalf J. S. Co., 108 S La Salle
§Meyne Gerhardt F., 127 N Dearborn
Monolithic Silo & Construction Co., 110 S. Dearborn
Morava Const. Co., 85th & Stewart av
Moraw Bldg. Co., 127 M Dearborn
Moreland H. D. Co., 105 N Clark Masonry
Morrice Wm. Co., 17 N La Salle
§Moses Chas. A. Const. Co., 133 W Washington
§Mueller Const. Co., 179 W Washington
Muller Franklyn R. & Co., 8 S Dearborn
Mutual Const. Co., 155 N Clark
†Myers L. E. Co., 53 W Jackson blvd
Myrick Franklin W., 108 S La Salle
*Nash Bros. (Underground Improvement), 10 S La Salle
Nash-Dowdle Co. (Sewer, Public & Government), 29 S La Salle
National Concrete Construction Co., 123 W Madison
§*Nelson F. P. & Sons Co., 139 N Clark
Nelson Jos. E. & Sons, 118 N La Salle
Nelson & Lewin, 111 W Washington
Nelson M. E., 12005 Wallace
Neumkirchen & Harrsch (Masonry), 133 W Washington
Newman W. J. Co., 19 N Curtis
New York Continental Jewell Filtration Co. (Government, Municipal, Industrial & Railroad Work), 111 Monroe
Nielsen S. N. & Co., 3059 Augusta
Niemz Arthur R., 847 Bradley pl
Norcross Bros. Co., 3943 Union av
*†North American Railway Construction Co. (R. R.), 53 W Jackson blvd
§North Shore Improvement Co., 25 N Dearborn
O'Brien Wm. J. Const. Co., 25 S La Salle
O'Connor J. P. & J. W. Co., 189 W Madison
Ogle Const. Co., 332 S Michigan av
O'Hagan & Clark Constr. Co., 332 S Michigan av
§Olson Bros., 6200 Evans av
Overland Const. Co., 39 S La Salle
Paddock Bond & Co., 25 N Dearborn
Paschen Bros., 111 W Washington
Parker-Washington Co. (Paving), 68 W Washington
Peerless Engng. & Const. Co., 133 N Washington (Paving)
Peters H. A. Co., 19 S La Salle
Peterson Wm. F., 25 W Jackson blvd
Peterson & Screen, 39 S La Salle
Pfannmueller Engineering Co. (Power Plants, etc.), 38 S Dearborn
Pillinger W. A. Co., 11 S La Salle
Pitkin F. H. (Concrete), 30 N Michigan av
Pleas Concrete Const. Co., 30 N La Salle
Porter Chas. M. (Sewer, etc.), 111 W. Washington
Powell Bros. (Cement Paving), 11 S La Salle
Powers M. F., 30 N La Salle
Prendergast T. J., 118 N La Salle
Proudfoot Frank G. (For Public Works), 127 N Dearborn
Pruitt & Moore, 7541 N Ashland av
Purcell Bros. (Excavating, Grading, etc.), 3226 Ogden av
Rasmussen Chris., 154 W Randolph
Ratledge-Bone Co., 58 W Washington
Rauen Math., 111 W Washington
Rawson & Green (Cement), 6410 Cottage Grove av
Raymond Concrete Pile Co., 111 W Monroe
Read Chas. & Sons, 175 W Jackson
Regnell B. J. Co., 19 S La Salle
§Reidenouer & Erickson, 535 E 47th
Rennacker Construction Co., 10 S La Salle
*Roberts Bros., 17 N La Salle
Roberts & Schaefer Co. (Engineers & Contractors for Coal Handling Plants of All Kinds), 332 S Michigan av
Robinson John C. & Son, 79 W Monroe
Robson C. D. Co., Leland & Maplewood av
Rodatz J. (Masonry & Public), 209 S La Salle
Rosenthal O. W. & Co., 80 E Jackson blvd
Ross J. A. & Co. (Cement), 4561 Armitage av
Rowley Bros., 812 W 63rd
Royal Constr. Co., 160 W Jackson
Russell Wm. J. & Co., 58 W Wash'n
Rust Engineering Co., New York Life bldg
Ryan Co., 4500 W Division
Sackley Jas. A. Co. (Paving & Public), 133 W Washington.
Salomon-Waterton Co., 343 S Dearborn
Salomon Wm. E. & Co., 175 W Jackson blvd
Scharmer Constr. Co., 139 N Clark
Scheidenhelm Edw. L. Co., 111 W Monroe
Schillinger Constr. Co., 2315 N Seeley av
Schillinger G. A., 2315 N Seeley
Schmidt Bros. Const. Co., 105 N Clark
Schmidt Const. Co. (Paving), 133 W Washington
Schrik H. & Co., Inc., 3722 W Chicago av
Scown Wm. J. Bldg. Co., 36 W Randolph
Selden-Boeck Const. Co., 122 S Michigan av
Service Constr. Co., 53 W Jackson bl
§Severin N. P., 82 W Washington
Shank Co., 30 N La Salle
Shearer Thos. R., 7 W Madison
Shedden Jas. & Co., 106 N La Salle
Shnable & Quinn, 30 N La Salle
Siebold F. A. & Son, 64 W Randolph
Simpson Const. Co., 133 W Washington
Simpson Ralph H. Co., 326 W Madison
Skafgaard A. (Concrete), 1656 Keystone av

Skoglund Aug. H., 111 W Dashington
Snyder J. W. Co. (Heavy Masonry, etc.), 122 S Michigan av
Sollitt Oliver Constr. Co., 481 W Waller av
Sollitt Sumner Co., Pullman bldg
§Sorenson Louis, 189 W Madison
Southern Improvement Co., 76 W Monroe
Sproul E. W. Co., W 39th & Robey
Standard Concrete Const. Co., 108 S La Salle
Sternberg E. G., 53 W Jackson blvd
**STEWART JAS. & CO.,** Westminster bldg
Stiles Geo. W. Constr. Co., 59 E Adams
Stoddard Const. Co., 343 S Dearborn
Stowell Frank H. Co., 19 S La Salle
§Strandberg Bros. Co., Association bldg
Strandberg E. P. Co., 5010 S Wabash av
Stresenreuter Bros., 3020 S Halsted
Stresenreuter-Cotton & Co., 37 W Van Buren
Suspension Steel Concrete Co., 111 N Jefferson
Sweiberg Chas. E. (Mason), 6338 Magnolia
§Swift Geo. B. Co., 189 W Madison
§Tampary C. P., 4318 W End av
§Thompson-Starrett Co., 175 W Jackson blvd
Thomson G. & Son Co., 30 N La Salle
Tiberi John, 6245 S Parkside av
§Todd J. & Co. (Masonry & Public), 19 S La Salle
Treadwell Const. Co., 208 S La Salle
Turner F. A., 7009 N Clark
§Turnes W. J. Co., 35 S Dearborn
Turnquist Bros. (Mason), 217 E 69th pl
Ulen Contracting Co., 38 S Dearborn
Underground Constr. Co., 106 N La Salle
Union Paving Co., 108 S La Salle
U. S. Dredge & Dock Co., 29 S La Salle
Waful E. E., 140 S Dearborn
Wagner M. (Mason), 175 Washington blvd
Walsh & Masterson (Pile Driving), 35 S Dearborn
Warner Construction Co., 189 W Madison
Warwick Construction Co. (For All Classes of Fire Brick Work), 1048 W Harrison
Washington Construction Co., 118 N La Salle
Webb Geo. A. & Son, 118 W Madison
Wells Bros. Co., 53 W Jackson blvd
Wesche John A. (Masonry), 118 N La Salle
Western Boarding & Supply Co., 133 W Washington
White Constr. Co., 17 N La Salle
White Paving Co., 17 N La Salle
Wieboldt Construction Co., 1534 W Van Buren
Wieboldt R. C., W 44th & S Bishop
Williams W. H., 130 N Wells
Wilson R. F. & Co., 1851 Elston
†Witherspoon-Englar Co., 53 W Jackson blvd
§Woodley Wm. T., 6 N Clark
•Yale & Reagan, 111 W Washington
Yauger & Co., 133 W Washington
Young & Co. (Concrete, etc.), 5 N La Salle

HICAGO HEIGHTS—Chicago Heights Const. Co., Chicago Heights
Fuller Geo. H.
ICERO—§Filas Thos. M. Co.
ISSNA PARK—Schmidt Phil (Cement)
LINTON—Strive Geo. C. (Concrete)
OLLINSVILLE—Eberhardt Henry W.
Powell & Gaven (Concrete)
Sauer J. M.
Sauer, Thos. W.
Vujteck Joseph
ANVILLE—Carter Bros. (Dredging)
Clark Construction Co.
Gillespie Lowell
Howell J. W.
Krauel Herbert B.
Mitchell J. H.
Moore E. S.
Olson John
Pierce Wm. L.
Poll J. C.
Quint Frank
Randall Edwin
Schendel Chas.
Schingel Jos. Jr.
Sheets-Ingersoll Co.
Stevens Chas. E.
Yeager M. & Son
DECATUR—Baldridge Bros.
Cope L. N. & Son
Decatur Construction Co.
File & Alexander
Henton John R.
Hunt L. F.
Knight W. E.
McCalman Construction Co.
Needl Benj. M.
Rakow Emil C.
Reid Wm. E.
Stouffer Bros.
Tuttle Sheridan A.
DE KALB—Christianson Peter
DIXON—§Uhl E. E.
McAlpine W. J.
DOWNERS GROVE—McCollum Earl E.
Wolfersheim H. H. (Mason)
DOWNS—Weaver Ed. L.
DUQUOIN—§Duquoin Constr. Co.
Pittman L. S. (Concrete)
DWIGHT—Klitz & Korsgaard (Concrete)
EARLVILLE—Keeler Fred B.
EAST ST. LOUIS—Barralough G. F.
Bosquit William C.
Carr Commodore
Hall Howard H. Const. Co.
crete, etc.)
Keeley John & Patrick (Paving, Concrete, etc.), 2100 State
Kiefer Emil N
Louis Romine
Meyer & Thomas Const. Co.
Murphy Construction Co.
Otto J. C.
Owens John & Son
Rich, Louis, Const. Co.
Stolle, Casper, Quarry & Contracting Co.
Van Dan Elzer B. M.
EDWARDSVILLE—Kesl Joseph & Son
ELGIN—Bell Wm. (Cement & Roofing)
Illinois Hydraulic Stone & Construction Co.
Logan & Giertz Construction Co.
Lydon M. J.
Smith S. A.
Wright J. A.
ELMWOOD—Vance John A.
EQUALITY—Godfrey J. H.
EVANSTON—Dupre Christian
Ekstrand Oscar & Co.
Evanston Bldg. Mat'l Co. (Mason)
Foley M. Co.
McCann Co.
Mathews Jas.
EVANSVILLE—Barth John
Wehrheim E. W.
FAIRBURY—Schnetzler & Son
FARMERSVILLE—Panneton Jos.
FINDLAY—Dandy Oliver
FRANKFORT—Pfaff J & Son
FREEPORT—Babcock Alex. L.
§Blackhawk Construction Co.
Garman Bros.
Gund Graham Co. (Uaving)
Hime, L. L.
Hineline J. M. & H. H.
Liejequist W. A.
Rocky Thomas
Rubendale E. I.
Shons Wm. H. (Stone, Concrete Bridges, etc.)
GALENA—Toepel H. J.
GALESBURG—McAuley J. B. (Paving, Sewer, etc.)
Dahlberg John J.
Davidson Peter McLeod
Graham King Constr. Co.
Gunther Harry H.
Miller Charles E.
Monmouth-Galesburg Construction Co.
Munson P. O.
Olson Peter T.
Ream J. A.
Rundquist C. E.
Sweeney M. E.
GALVA—Lind J.
GARDNER—Booth, Nicholson & Gilchrist
GENESCO—Larson Peter A.
GENEVA—Wheeler John Construction Co. (Work of All Kinds)
GIBSON CITY—Pinkley Geo. C.
GIRARD—Smirl T.
GLENN ELLYN—Conyert Walter P, (Concrete)
GRANITE CITY—Beale John R.
Schwarz Geo. D.
Stubbs, Warren
GRANVILLE—Colby N. H.
GREENVILLE—Van Deusen & Baumberger (Bridge)
GRIDLEY—Wooldul Geo. E.
HAVANA—Anno W. D.
HARVARD—Ward W. H. & Son
HIGHLAND PARK—Clow Fred
Delhaye Joseph
Ober W. J. (Mason)
HILLSBORO—Morgan Jas. T.
HINSDALE—Buchholz Henry
Gliesman F. (Mason)
HUBBARD WOOD—Gonsahaes R. L.
JACKSONVILLE—Cocking Cement Co.
Cherry John (Paving, Sewer, etc.)
De Gouveia Jos.
Robinson W. D. & Sons
Vasconcellos & Sons
JOLIET—Ahlvin Victor O.
Chalstrom J. E.
§Cole & Field.
Curtiss & Gindall (Sewer)
Embankment Co.
Groth Adam & Co., Inc.
Hansen & Petersen Co.
Ideal Concrete Constr. Co.
Latz Henry
Lindbland Emil
§Orbeson & Hansen
§Pease Sidney B.
Powers & Thompson Constr. Co.
Tunny Wm.
Welsh Construction Co.
KANKAKEE—Cleland G. A.
Collins T. P.
§Houde Construction Co.
McMullen Harry (Paving)
Paulissen J. P.
Roat Oakley
KEWANEE—Carlson A. E.
LA GRANGE—Anderson Albert
LAKE FOREST—Paape W. O.
LAKE VILLA—Hamlin & Sons
Noonan James H.
Salmon John & Co.
LANARK—Sword G. W. & Son
LA SALLE—Goodman E. & Co
Keys T. W. (Sewer & Paving)
LEWISTON—Hughes Job.
LITCHFIELD—Fellner Geo. C.
MACOMB—Fuhr H. H.
MARION—Lough W. & Son (Concrete)
MARSEILLES—Quinn Oscar
MASCEUTAH—Schubert Robt.
James & Shinn Co.
MATTOON—Loomis A. C. Co.
§Ozee J. S. Sr.
Powell Constr. Co.
MAYWOOD—Barker John W. (Paving)
MELROSE—Cortino Ross (Cement)
MENDOTA—Larabee Chas. D.
Zolper Henry & Son
MOKENA—Oswald J. G.
MOLINE—Brissman & Co.
Heaps Clarence E. (Bldr. & Gen'l)
Lorenz P. H.
Lundahl Bros. Fuel & Contracting Co.
§Peterson Peter (Bldr. & General)
MONMOUTH—Galesburg Construction Co.
MONTICELLO—Lodge W. F.
MORRIS—Bell Alexander (Cement & Stone)
MORRISONVILLE—Donnelly Henry E.
Marsch Louis (Concrete)
MOUND CITY—Harris D. D., Jr.
NEWMAN—Vermilion Wm.
NORMAL—§Haffington F. A. & Sons
OAK PARK—Bernard J. L. S.
Carey-Mandi Constr. Co.
Caron August S.
Goelitz Henry G.
Goetter & Hillman.
Guy & McClintock Co. (Mason)
Harper & Buttendorff Co. (Masons)
Sias & Grenfell
Smith C. D. & Son (Cement)
ODELL—Upham Chas. S.
OTTAWA—Dougherty J. M. (Sewer)
§Jeffrey W. A. & Sons
Kerste Aug. & Co.
Leix Joseph W. (Concrete)
McCormick John C.
§Sinnott Bros.
Woodward I. L.
PEKIN—Brookings John G.
Conklin-Reuling Co.
Jansen & Schaefer
Lampitt Ed. F.
Veide C. L. & Co.
Zimmer John E.
PEORIA—§Allen W. M. Son & Co.
Barnewolt Constr. Co.
Bushell A. A. & Son
Dunlap & Coleman Co.
Enterprise Stone Co.
Filay Wm. F. (Cement)
Iber Conrad Jr.
Jobst V. & Sons
Moritz G. (Cement)
Thompson A. D. Co.
Voos John & Son
Wall, William G. & Son

ILLINOIS—continued
PEOTONE—Carter Chas. H. (Cement)
Continental Bridge Co.
PERU—Koehler F. A.
Peru Construction Co.
Schweickert H. E.
Stangel & Boekling
Trompeter Joseph (Paving, etc.)
QUINCY—Brinks Henry & Sons
Buerkin & Buerkin
Buerkin & Kaempen
Clough Concrete Construction Co. (Concrete & Bridge Construction)
Dilker, D. H. & Sons
Durfee E. J.
Menke F. W. Stone & Lime Co.
Meyer & Peters (Concrete)
ROCKFORD—Beckstrom Ross P. & Co.
§Cook Wm. H.
General Engng. & Const. Co. (Concrete)
Holm Page Co.
Lynddon B. R.
Mackenzie R.
McLee John
Nordstrom C. T. (Cement)
Pearce Bros.
Rockford Concrete Co. (Reinforced Concrete Work)
Rutledge A. E.
§Van Alstyne Walter & Co.
ROCK ISLAND—Anderson Aaron
§Chambers F. M.
§Horst Henry W. Co. (Bldrs. & General)
§Hudson Collins & Hammerich (Bldrs. & General)
Larkin C. J.
Nelson Bros.
Paulsen Henry F.
Sievers Jasper
Tappendorf H. W.
§Volk John & Co. (Bldrs. & General)
ST. ELMO—*Johnston P. M. Co.
§Maus C. W.
ST. JOSEPH—Fenwick C. C.
SANDWICH—Franklin Geo.
Humiston Edgar
Striegel Geo. J.
SPRINGFIELD—Biggs & Son
Bretz John E. (Sewer & Paving)
Fitzsimmons, Frank
Gehlman F.
Hocker E. W. & Co. (Concrete)
McKee Construction Co.
Nelch Henry & Son (Paving)
Welch Henry & Son
Wilson J. F.
Sime John
Wise & Son
STERLING—Hess E. C.
Lingham John
Powers J. M.
Ramsdell R. H., Construction Co.
Ramsey H. H.
STOCKTON—Schroeder Bros.
TREMONT—Cullihan R. A.
Pugh Wm. (Cement)
Swartz G. A. (Paving)
SYCAMORE—§Quist Samuel
TAYLORVILLE—Morris William J & Son
VERMONT—Rankin F.
Thompson Geo. E.
VILLA GROVE—§Schwartz F. J.
WILMETTE—Crabb James
Scheidenhelm Ed. D.

## INDIANA.

ALEXANDRIA—Sullivan, Mason & Sullivan (Stone Contractors)
Walker Marion M. & Son (Roads, etc.)
ANDERSON—§Colvin Albert Leslie
Daniels & Lyst
§Eshelman David & Son
Kelly Thos. P.
Madison Construction Co.
Savage Chas M.
§Thompson William E. & Son
§Wright Benj. F.
BEDFORD—Bedford Cut Stone Co. (Paving)
Hunter M. W.
King & Estridge
Smith Gus A.
BRAZIL—Cutshall & Cutshall
Jones, Underwood & Fletcher (Cement)
Shattuck Austin M.
BROOKSTON—Vanatta John C. (Dredging)
BROOKVILLE—Wilson T. F. & Son (Road, etc.)
COATESVILLE—Lisby & Masten (Road)
COLUMBUS—Dunlap & Co.
§Graffa & Son
Robertson Geo. W. & Co.
Schoonover Henry A.
CONNERSVILLE—§Disborough Geo.
§Miller S. E.
§Stoops Thos. H.
CRAWFORDSVILLE — Buchanan Washington T. (Road)
Carr W. C. & Son
Harding, Slattery & Buchanan
Nolan & Johnson
§Swan & Son (Brick)
CROWN POINT—§Crowell E. H.
Muzzall F. E. (Concrete)
DELPHI—Clauser W. H. & Sons
O'Connor John C & Son
DUNKIRK—Hayes Const. Co.
ELKHART—§Bushnell G. B.
Kistner Geo. C.
Northern Const. Co.
Yost, John C.
ELWOOD—§Digel S. H. (Large)
Hicks W. R.
§Wood J. J. & Son
EVANSVILLE—Anchor Concrete Const. Co.
§Anderson & Veatch
Bedford Nugent Co. (Paving)
§Bippus Jacob & Son
Crescent Concrete Constr. Co.
§Hoffman M. J. Const. Co.
Hollerbach & May Contract Co. (River Harbor, etc.)
Kanzler Chris & Son
National Contract Co., River & Harbor
§Scarborough-Davies Co.
Whitehead Bennett (Bridge & Road)
FORT WAYNE—Beers Const. Co.
Borkenstein B.
Brooks Construction Co.
Brown J. O.
Buesching & Hagerman
§City & Suburban Bldg. Co.
Derheimer & Co. (Sewer & Public)
Foohey Timothy Dredging Co.
Fort Wayne Roofing & Paving Co (Paving)
Grace Constr. & Supply Co.
Henry Jas. M.
Hilgeman Henry
Indiana Engng. & Constr. Co.
Kinder Paul P.
§Liebman Ernest F.
Moellering Construction Co.
Olds C. L. Construction Co. (Public Work)
Rump Fred J.
WESTERN GAS CONST. CO. (Gas Works, etc.
Wildwood Builders Co.
FRANKFORT—Barnett F. P.
Cohee A. F. & Co.
Frankfort Construction Co. (Paving, etc.)
Good & Lee
Huffine Chas. C. & Co.
Kelley Bros. Road)
McKinsey & Jenkins (Road)
Nees & Co.
Ross John A.
Snyder & Barnett (Road)
GARY—Cain Construction Co.
§Dexter H. H.
Frost Jos.
Gary Const. Co.
General Constr. Co.
Holben M. W. (Sewer)
Smith Sela A.
Ward Oliver Q.
Cripe & Seaman
GOSHEN—Cripe & Seaman
Hatch W. W. & Son's Co. (Paving & Public)
GREENFIELD—Fry James W.
Gant Edward G.
Gillespie Adam
Hooton & Son
Kirkpatrick Christian M. (Paving & Public)
GREENSBURG—Isgrigg W. H. & Son
*Pulse & Porter
HAMMOND—§Dickover M. A.
§McClay John H.
HUNTINGTON—Hipskind Philip & Son
Keefer & Bailey
INDIANA HARBOR—Callahan & Schock
§Doppler Jos.
Orth Frank
INDIANAPOLIS—Abel Bros., Am. Central Life bldg (Cement)
American Constr. Co. (Street, Sewers, etc.), Castle Hall bldg
Austin Co., 402 S Meridian
Bedford Stone & Const. Co., Fletcher Sav. & Trust bldg
Builders Const. Co., 540 N Meridian
Capital Constr. Co., 415 8th & Market
Central States Bridge Co., 601 Beecher
Chandler Geo. M. Co., 1523 W Market
§Conder & Culbertson, Odd Fellows bldg
§Cones Frank, 408 Lombard
Consolidated Constr. Co., 827 Law bldg
Cornelius Henry D. Co. (Sewer), 3014 Calvelage
§Dollman Henry, 1207 N Illinois
Driscoll T. J. & Co., Mers Bank bldg
§Dunn Geo. O. & Bros.
§Elder Robert L., 219 N Delaware
§Everly Wm., 314 Newton Claypool bldg
Gottschalck Const. Co., 219 Castle Hall
Guthrie-Thompson Co., Lemcke bldg
Hackedorn Contr. Co., Board of Trade bldg
§Hall-Curry Const., Co., City Trust bldg
Hardin Const. Co., 3220 E Michigan
Heinzmann G. W. & Son, Lemcke bldg
§Howard C. W., 3318 E 10th
Indiana Asphalt Paving Co., 25th & L. E. & W. R. R.
Indianapolis Concrete Co., Board of Trade bldg
Irvington Bldg. Co., Law bldg
Jose-Balz Co., Lemcke Annex
§Jungclaus W. P. Co., 827 Mass. av
Karstedt J. G. (brick), Lemcke bldg
§Klausmann Henry W., 35 W 36th
Kottolowski Ernest F. & Co., 1123 Olive
§Kuert Contracting Co., Majestic bldg
Latham & Walters, State Life bldg
Mansfield Engng. Co., 1100 Burdsal Parkway
Marion County Const. Co., 1600 S West
Meid Frank, Farmers' Trust bldg
§Millikan Lynn B. Inc., 1556 Lemcke annex
§Moon C. H., 220 E 16th
National Concrete Co., Lemcke buldg
Noe Nicholas, Lombard bldg
§Pease C. R. Construction Co., Bd. of Trade bldg
§Pierson Chiron C., Mers. Bank bldg
Reliance Const. Co., Board of Trade bldg
Republic Constr. Co. (Street), E. 31st & L. E. & W. R. R.
§Retmier Frank C., Lemcke bldg
§Scott D. I. & Co., 148 N Alabama
§Scott W. P., 2907 Sherman av
Sells Corwin P., 1901 Talbot av
Sheehan Construction Co., 309 Holiday
Shiel-Chapin Const. Co., 220 N Illinois
§Smock F. C., Lemcke bldg
State Constr. Co., 736 K of P.
§Thrush Perry R., Lemcke bldg
Union Asphalt Const. Co., Lemcke bldg
Volpp & Fritz, 445 Sanders
Watson John, 4004 N. Capitol av (Paving)
Wehking Chas. F. Co. (Brick), E 147th & Market
§Wolf & Ewing Const. Co., Hume-Mansur bldg
*Yawger A. J. & Co., 450 N Belmont av
KENDALLVILLE—Diggins G. F.
KIRKLIN—*Sparks Thos. E. (Bridge)
INDIANA—Indianapolis—continued
KOKOMO—Hatton Ed. T.
Kokomo Const. Co.
§Moore & Danner (Bldrs. & General)
Morgan Wm. Z. (Brick)
Watson Jas. H. & Co. (Municipal Work)
LAFAYETTE—Brown G. S.
Chew, Joshua & Co.
Evans Bros.
Herzog Geo. P.
Kemmer Alva E.
Lafayette Eng'ng Co.
Levandowski Peter
§Moore Robert S.
Western Const. Co. (Paving, Drainage, etc.)
LA GRANGE—Walb C. A.
LA PORTE—Hasselfeldt Chas. & Co. (Masons)
Larson-Danielson Constr. Co.
Struss Chas.
LEBANON—Adam John (Cement)
Boone Constr. Co.
Busby George
Dale Chas. M. & Co. (Road)
Fullwider & Kernodle (Road)
McDonald E. L. & Son (Bridge)
Miller Geo. T.
Shahan Patrick & Son

LEWISVILLE—Smith R. R. Sons
LOGANSPORT—Baker & Price
§Barnes Bros.
Barnes Harry A.
Barnes James I.
Girton & Perry
Hall Joseph
§Horn Carl J.
McHale Martin (Road)
Medland Bros.
Palmer, Moore & Co.
LOOGOOTEE—Van Hoy & Son
MARION—Minnick W. H.
§Reed & Rish
Simmons Oren J.
Yates Wilbur
MARTINSVILLE—Cunningham Constr. Co.
Martinsville Constr. Co.
MICHIGAN CITY—Hutchinson W. B. & Co.
Koellen Henry
Southland J. E. & Son (Cement)
Telschow Fred
MISHAWAKA—Rosewarne Wm.
MUNCIE—Hager O. J.
§Hartley Jno. J. Agency
Hines Frank & Son (Road)
Hutchings John F.
Illingsworth Fred
§Snyder Jos. B.
NEW ALBANY—Day Stephen & Son
Thomas H. D. & Son
NEW CASTLE—Burk Constr. Co.
Burk Frank
Faust Samuel
Garvey James (Cement)
Minnick Constr. Co.
NOBLESVILLE—Durflinger John W.
Findley H. L. Co.
Jackson J. W.
NORTH VERNON—Miller B. P. (Concrete Work)
*Miller J. H.
PENDLETON—§Maul Walter
Reason J. D. Co.
PERU—Goodall J. B. & Sons Co.
Stauter Ira H.
§Thomas Bros.
Tripper Allen G.
PLYMOUTH—Ness J. S.
O'Keefe Arthur W.
Price & Rosenburg
RENSSELAER—Smith W. F. & Co. (Roads, etc.)
RICHMOND—Hendrix W. F.
Hipskind John F. (Sewer & Street)
*Johnson B. & Son (R. R.)
Slick F. E.
ROACHDALE—Smith Albert
ROCHESTER—Davidson A. C.
Holman Hugh B.
Rochester Bridge Co.
ROCKVILLE—Jerome Edgar
Noble Sidney A.
Van Fossan Jefferson P.
RUSHVILLE—Herkless A. R.
Wilk & Co. (Road)
SHELBYVILLE—§Meloy John F.
SOUTH BEND—Barnes H. N. (Paving)
Christman Henry G. Co.
Davis Geo. A. Const. Co.
Defrees C. H.
Eckler Henry Mfg. Co.
Gunderman George J.
Hoban & Roach (Sewer, Paving, etc.)
Hoffman Geo. J. Co.
Kuehn Jorden Co.
Neitzel B. H.
SULLIVAN—§Nicholas Frank J.
Routt Bros.
Sullivan Bridge Co.
SWAYZEE—Foltz Cyrus (Cement)
TERRE HAUTE—Bennett-Barnes Co.
Ainsworth Constr. Co.
Dorsey Wm. C.
Foulkes Contracting Co.
Houff A. Dale & Co.
Independent Const. Co.
Kintz P. C. & Sons
Martin T. J. Co.
Meyer Ed. H.
Newahrt & Newhart, Inc.
Nicholas H. R. & Co.
Pierson & Bro.
§Reinhardt Adolph
Robertson Jesse
Roehm Bros.
TRAFALGAR—Pickerell O. L.
VALPARAISO—*Clifford P. T. & Son
WABASH—Hipskind Alois F. (Roads & Paving)
Hipskind Chas.
Hipskind Geo. C.
Lynn Bros.
Todd Construction Co.
§Wabash Construction Co. (Bldrs., etc.)
WALDRON—Avery Wm. (Road)
Haymond & Howard
WALDRON—Haymond & Howard
WARSAW—Frush J. P. & Son
WASHINGTON—Bogard Noah (Concrete)
Brown R. A. & Co.
Morton Bros. & Co.
Routt W. A. & Son
WHITING—Nejdl & Greenwald
WILLIAMSPORT—Carmichael Wm. P. Co. (Large, Contrs. & Engrs.)
WINAMAC—Winamac Construction Co.
WINCHESTER—Thornhill J. H. (Bridges)
WOLCOTTVILLE—Myers Chas. E.
ZIONSVILLE—Gregory Frank M.

## IOWA.

BELLE PLAINE—Conklin Henry B.
Park Jas. & Co.
BURLINGTON—Beck H. A.
Burlington Construction Co.
Dalgleish W. S.
Eilers Henry (Cement)
Guenther Fred W.
Hassel C.
Johnson Algot (Cement)
Peterson Geo.
Thye John
Woodcock Clarence
Young & Buescher Const. Co.
CEDAR RAPIDS—Edinger Ed. Co. (stone)
Edinger Ed. Co. (stone)
§Fisher R. H.
Ford Paving Co.
Hopp J. W. Construction Co.
Klepach John (Mason)
Leefers J. F. Co.
§Lightner Bros.
§Loomis Bros. (Gen. & Concrete Const.)
Smith A. J. (Mason)
Stark T. & Co.
§Sutherland Thos. M.
Tschirgi M. & Sons
CLINTON—Carey Thos. & Sons
Clarke Construction Co.
Haring D.
Hawley & Cheadle Construction Co.
Krieger Ed.
Logan Bros.
Rink & Schnell
COUNCIL BLUFFS—†Anderson Bros. Co.
Council Bluffs Concrete Co.
§Hansen Joe
Jensen Bros. Co.
Lana Construction Co. (Bridges, Paving, Sewers, etc.)
§Myrtue Bros.
§Norgaard C. C.
*O'Connor Jas.
§Pennell C. M.
Saguin Jas.
Wickham Bros. (Brick)
*Wickham E. A. & Co. (Paving, Sewer & Water Works)
DAVENPORT—Arnould A A.
Central Engineering Co. (Concrete, Bridges, etc.)
Coen & Conway
Gould Construction Co. (Bridges)
Hubbell Construction Co.
Independent Construction Co.
Iowa Const. & Engng. Co.
Koltzau & Myers
Littig Construction Co.
McCarthy Improvement Co. (Paving etc.)
Nebergall J. F. & Sons
Phillips Harry W.
Plambeck H. Wm.
Ryan D. J. Construction Co. (Grading, Paving, Concrete Work, etc.)
Scott & Bitterman (Electrical)
§Tri-City Construction Co.
*Walsh Construction Co.
DES MOINES—Benson J. A. Const. Co.
§Brereton W. H.
Des Moines Engineering & Construction Co.
Iowa Bridge Co.
§Keyes L. D.
King Geo. M. Construction Co.
*Koss Construction Co.
Kucharo W. F. & Co.
Lovejoy J. E.
Maine James & Sons Co.
Moffatt Co.
Neumann Arthur H. & Co.
Stark N. M. & Co. (Bridge)
Turner J. W. Improvement Co. (Sewers, Paving, Bridges, Underground Conduit, Waterworks, Dams, etc.)
§Tusant J. E. & Son Co.
Wagner T. S.
Weitz Chas. Sons
DUBUQUE—Braun Chris.
Efferding T. G.
Eisbach Peter
McNamara C. B. & Co.
Mueller Henry
Ney Albert
FORT DODGE—Jensen Construction Co.
IOWA CITY—Franklin Chas.
Freyder F. X.
KEOKUK—Cameron's Jas. Sons
*Cameron Joyce & Co. (Levee, Railroad, Sewer & Public)
*Joyce Bros. & Co.
Young Jno. W.
LE MARS—Huxtable John
MARSHALLTOWN—Jacobson John
Reimar C. F. & Co.
Ingersoll Stouffer Engng. Co.
MASON CITY—Bowen S. R. Co.
Henkel & Brown
Irwin William R.
Stratton B. L.
OSKALOOSA—Carlon Construction Co. (Paving, etc.)
OTTUMWA—Ottumwa Bridge Co.
Ottumwa Mill & Construction Co.
Ottumwa Supply & Construction Co.
SIOUX CITY—§Babue F. X. & Sons
Betts Robt. E. (Paving)
Coomer & Small Co.
Federation Construction Co.
Fogel Construction Co.
Guarantee Construction Co.
Hanlon & Okes. (Paving)
Houx Frank T. & Son
Jensen & Krage (Paving)
Keefe Constr. Co.
Lytle Construction Co.
Oien Norman
Ostling Andrew
Overson Julius & Co. (Paving)
Pilchard Building Co.
Riesche & Sanborn
Short B. E.
Spowage James Co.
Sulzbach F. J.
Ward & Weighton
Williams C. M.
Younglove J. F.
WATERLOO—Black Hawk Construction Co. (Bridges, Reinforced Concrete Construction, etc.)
Chapman F. W.
Dearborn Construction Co. (Paving, Sewers, etc.)
Emery & Hoffer
Lauritzen Construction Co.
McDonnell T. F. & Co.
Maine H. A. & Co.
Moore-Sieg Construction Co.
Waterloo Const. Co. (Concrete Const. & Bridge Bldrs.)
WEBSTER CITY—Austin A. H. (Bridge)
Quackenbush J. E. (General & Bridge)
Zitterell W. J. Co.

## KANSAS.

ATCHISON—Braum H. & Son
Schaeffer George H. T. & Co.
FORT SCOTT—Ireland & Rollings
Simons C. A.
Thogmartin & Gardiner
HUTCHINSON—Hutchinson Concrete Co.
Snyder & Co.
INDEPENDENCE—Brewster P.
KANSAS CITY—Brown Bros. (Grading, etc.), 11th & Muncie blvd
Kepler H. A., 700 N 12th
§Rowe A. E.
PARSONS—Cohoon U. G.
TOPEKA—Capitol City Vitrified Brick & Paving Co. (Sewer, etc.)
Kaw Paving Co. (Paving)
Spencer F. M. & Son

## KENTUCKY.

ASHLAND—§Wilson A. A.
BELLEVUE—§Geeslin Jos.
BOWLING GREEN—Murphy Bros. Co.
COVINGTON—Behle C. J. & Sons Co.
Craig J. J.
Felton M. Sons & Co.
House C. W. & Sons
Northcutt Bros. Co.
Pohlkamp H.
HENDERSON—Johnson P. P. & Son
LEXINGTON—Bateman W. M.
Home Const. Co.
§Carey-Reed Co.
Howard Albert
*Mason & Hanger Co.
LOUISVILLE—Adams & Sullivan
Anderson A. J. & Co.
Bailey & Koerner

KENTUCKY—Louisville—continued
Bickel Henry Co. (Grading & Excavating)
Cahill J. H.
Central Concrete Const. Co.
Eady Geo. M. Co.
Figg L. R. Co. (Street)
Greiner T. Bldg. & Cont. Co.
Hancock L. W.
Koerner C. A. & Co.
Koppelman Wm. H.
Lichtefeld, Metzner & Co.
§Miller F. H.
§Modern Bldg. Co.
Nat'l Concrete Constr. Co.
Nat'l Roofing & Supply Co. (Paving)
Nicol, Langford & Johnston
Rommel G. H. Co. (General)
§Short F. Co.
Shrader Bros.
Struck Alfred Co.
Thomas C. F. & Co.
Union Constr. & Bldg. Co.
Wirth P. & Son
Young & Humphrey

NEWPORT—Ader Frank G. Const. Co. (Engr. & Contr.)
Bertke H. & Son (Concrete)
Bowman Ben
Gubsen Bros. (Cement)
McLane John B. & Co. (Sewer)
Schuchter Anton
Spinks Harry C. (Street Work)
Trapp Daniel (Paving, etc.)

OWENSBORO—Davis J. P.
§Farnsworth R. P. & Co.
Tennes & Greenwell (Concrete)
Whitehead John W.

PADUCAH—Karnes W. M. & Sons
Katterjohn F. W. Const. Co.
Katterjohn G. W.
Lockwood Gus

SHELBYVILLE—Fitch Will A. & Co.
§Gruber & Doss
§Miller Bros.

WINCHESTER—Clark County Const. Co.
Stevenson W. Ward

## LOUISIANA.

LAKE CHARLES—Delatte & Lagrange
McCorquodale W. M. (Road)

NEW ORLEANS—Alexander Lester F. & Co.
Bell & Clairbone, 1240 Dauphine
Blakemore Constr. Co.
Blum & McNamara, Inc., Whitney bldg.
Bond H. W. & Bros.
Catrano & Federico
Castanedo Walter (Power Plant), 1101 Hennen bldg.
Doullut & Williams, Inc., Hibernia bldg.
Chisholm J. O. & Co. (Large)
Craven & Lang (Paving), Hibernia blk
Egan Thos., 4330 Canal
§Favret Lionel F., 307 Tulane Newcomb
Fectel Maurice
Fromherz & Drennan, Q & C bldg
Geary James, Perrin bldg
Givin O. M. Const. Co., Hennen bldg
§Glover Geo. J., 1022 Whiting
Gore D. B. Co., Inc.
Grasser Contracting Co., 912 Hennon
§Hortman Co., 3110 S Carr
Jamison & Hollowell, Homedale
§Jefferson Const. Co., Q. & C. bldg
Kane-Kelly Contrg. Co., Audubon
Koch Julius, 219 Carondelet
§Lagasse Paul, 826 9th
Larsen Chris., Hennen bldg
§Lennox Jos. W.
§McCarthy Richard Jr., 518 Carondelet
Noullett F. A. & Son, Audubon bldg.
Petty J. A., 607 Godchaux
Reimann G. E. & E. E. Co., Nap av & Pitt
§Ridgeley Bros., Ltd., 351 Carondelet
Riess John
Scott Nat'l G., Hennen bldg
Sintes Chas.
Theobold Gustave A., 624 Spain
Tranchina D. J.
Van Meter W. W.
Walther Henry, Hennen bldg
Zimmerman Jacob & Son, Whitney blk

SHREVEPORT—Chatwin Bros. Riprap & Contracting Co. (Street & Public)

## MAINE.

AUGUSTA—§Brooks Chas. A.
Hanson Alfred & Son (Masons)
§Hoxie C. E.
Purinton Bros. Co.
Tracy & Metcalf

BANGOR—Bangor Brick & Constr. Co.
Cutter Leslie W.
Foster & Loftus
Grady John & Son
Spellman Jos. F. & Sons Co.

BATH—Carlton F. W.

BRUNSWICK—§Colby Frank A. & Son
§Hacker C. E.

LEWISTON—Harkins M. T.
Lane Geo. W. & Co.
Saucier Thos.

PORTLAND—Bennett Contracting Corp. (Wharf)
Blackstone & Smith, Masons
Cobb & Webster
Cummings H. P. Constr. Co.
Cunningham F. W. & Sons
Googins & Clark
Griffin D. F. & Bro. (Paving & Public)
•†Gulliver John W.
Hanson Charles A.
Helms Butler Co.
§Howatt C. B. & Son
§Johnson E. G. Co.
Libby E. D. & Son
Mahoney Construction Co. (Paving, Grading, Sewer, etc.)
Porter-Burnham Co.
§Redlon N. E. Co. (Masons)
Rogers, Spencer Son
Rumery F. A. Co.
Williss & Rumery Co.

SOUTH PORTLAND—Marshall Frank H.

WATERVILLE—Purinton Horace Co.
Winters Henry T. & Son

## MARYLAND.

BALTIMORE—American Paving & Contrg. Co., Montebello av
Amrein Wm. R., Fulton av
†Andrew David M. Co., Mt. Vernon av
Balto. Engine Co., 221 N Calvert
Bennett Benj. F. Bldg. Co., 123 S Howard
§Bennett Geo. W., Franklin bldg
§Brown Harry H., 212 Clay
§Bunnecke Geo. & Sons, 2 E. Lexington bldg
•Claiborne, Johnston & Co., Garrett bldg.
§Cogswell-Koether Co., 406 Park av
Consolidated Engineering Co. (Brick Paving), Calvert bldg
Cornell W. G. Co., Munsey bldg.
§Cowan Bldg. Co., 106 W Madison
§Cushen P. J., 217 St. Paul
§Davis Milton C., 902 W. 36th
§Decker Fred'k & Son, 1209 E Biddle
Deverell, Spencer & Co., Garrett bldg
Elder Paving & Contrg. Co., Montebello av
§Eyring E. & Sons, 800 S 3rd
Fedeli A. F. Co., Vickers bldg
§Flanigan P. & Sons, Harford rd & B. & O. R. R.
Fox H. W. & Co., 2917 Greenmount av
§Frainie Bros. & Haigley, 18 Clay
§Frazier R. H. & Son, 224 W Mulberry
Gartrell J. Burgess & Co., 621 S. Pulaski
Garthe William Co., 2340 Oak
Gladfeller & Chambers, 36th & Roland av
§Guttmann Paul H. & Co., 1536 N Gay
§Harn Willard E. Co., 2314 Oak
§Hiltz John & Sons, 3 Clay
•Jones T. B. (Sewer, Masonry, Wharf, etc.), Fidelity bldg.
§Kefauver & McLaran, Equitable bldg.
Kelly John H., 1208 E Biddle
Kimball-Tyler Co., Inc., 261 S. 8th
§Knell Andrew Jr., 225 Cortlandt
Long Geo .Contr. Co., 13th & 1st av
•McCabe James F. Co. (Paving, Tunnel, Bridge & Railroad), Equitable bldg.
McCauley W. H. & Son, 1018 Mrymns av
§McCulloh R. N. & Co., 118 E Lexington
•McLean Contracting Co. (Dock, Bridge & Railroad), Fidelity bldg
Madison Const. Co., 212 Clay
§Mason Randolph B., 308 W Madison
Maryland Dredging & Contr. Co., Fidelity bldg.
§Miller J. Henry (Inc.), cor Eutaw & Franklin
Minor Bros., 224 W Pratt
§Monmonier, Geo. B., 1711 McCulloh
§Morrow Bros. (Large), Fidelity bldg.
§Moylan John J., 538 N Calvert
Novak Frank, Hartford rd & B. & O. R. R.
Piel Const. Co., 2519 Edmondson av
§Pierson Henry & Sons, 1000 Olive
Potts Wm. A. Co., Law bldg
Price Concrete Const. Co., Maryland Trust bldg
Pyles Julius E., 410 Dover
Ramey Bros., Law bldg.
Raymond Concrete Pile Co., Munsey bldg.
§Reynolds & Hughes, 423 Courtland
§Rippel Henry S., 1929 W Baltimore
Robinson J. L. Const. Co., 1130 W Lafayette
§Rosenthal Albert, Garrett bldg.
•Sanford & Brooks Co. (Dredging, Harbor & Government Work), Water & Commerce
Seybold & Eigenbrode, 4311 Belvieu av
§Simpson Chas. W. & Co., 208 Frederick
Singer-Pentz Co., Equitable bldg.
§Smith Henry & Sons Co., 7 E Redwood
Standard Concrete Steel Co., Knickerbocker bldg.
Stewart Jas. & Co., 13th & 12th av.
§Stockhausen Chas. L. Co., Nat'l Marine Bk. bldg
Walsh J. J. Co., Equitable bldg
•†§Waters John Bldg. Co., 23 E Center
Watts H. D. Co., Garrett bldg
Watts Philip & Son, Sudbrook av
West Arthur F., Builders' Exchange
West Construction Co., American bldg
§Whiting-Turner Const. Co., Stewart bldg

CHESTERTOWN—§Culp W. S. & A. M.
§Duyer Frank E.
§Pippin Walter T.

CUMBERLAND—McGill E. G.
Sell Bros. Co., Inc.
Vang Construction Co. (Concrete, Sewer & Railroad Work)
Wise Silas W.

EASTON—§Ross B. W. & Son
§Trax Geo. H.
§Whitby Wm. H.

FEDERALSBURG—Holt Thos. S. Co.

FROSTBURG—Brady Bros.
Fuller Bros.

HAGERSTOWN—Clarkson John T.
Wolf Geo. B. McC.

WESTERN PORT—Harrison Bros. Contracting

## MASSACHUSETTS.

ADAMS—Daniels Chas. A.

AMESBURY—Doe F. A.
Smith Contracting Co.
Watkins Jas. E.
Watkins Robert G.

AMHERST—Bosworth Geo. E.

ARLINGTON HEIGHTS—Kenty Geo. W.
Shirley John E. & Son

ATTLEBORO—Currie Malcom
Dexter Everett O.
Eden John
Grant Bros.
Mackinnon & Nicholson
Perry Emerson E.
White Herbert E. & Co.
Young Daniel & Co.

AUBURNDALE—Scribner W. E. Sons (Masons)

AYER—Hardy Chas. H.

BELMONT—Loomer & Allen

BEVERLY—Crosby G. R. & Sons (Masons)
§Grady Jas. L.

BEVERLY FARMS—Connolly Bros. (Public Work)
§Hardy & Day

BOSTON—Abbott E. A., 185 Devonshire
§Aberthaw Const. Co. 27 School
Adams-Pond Co. (Concrete), 166 Devonshire
§Alexander F. C., Old South bldg.
§Allen C. S. Co., Allston
§Archdeacon & Sullivan, 5 E Concord
§Armstrong W. B. Everett
Babcock C. & Co., 36 Beverly
Bailey Wm. M. Co. (Concrete), 88 Broad
Bay State Dredging & Contracting Co., 247 Atlantic av (Public Wks.)
§Barrett Wm., 27 Hunneman
§Barry Wm. J., 439 Ashland

§Beal A. B., 43 Tremont
Beatty Const. Co. (Public Work), 66 Warren
Beaver Contr. & Eng. Corp., 113 State
Benard Thos. H. & Son, 39 Neponset
Biggs, D. M. & Co., 60 Marsh
§Bishop J. W. Co. (& Large), 683 Atlantic av
Black James Masonry & Contrg. Co., 10 High
§Bleier Contr. Co., Heath & Day
§Bogart I. H. & Son, 414 Albany
§Boston Bridge Works (Bridges, etc.), 47 Winter
Boston Contr. Co. (Digging, Grading, etc), 49 Medford
Bowen John Co., 184 Dudley
Boyd & Berry, 11 Crampion Wav
Breymann G. H. & Bros., 293 Marginal, E I
Broderick Jas. M., 420 Dorchester
Broderick John H., 44 Bromfield
§Brown Chris. F., Dorchester
*Bruno & Petitti (Sewer, Waterworks, R. R., Masonry, etc), 18 Tremont
§Bruty John W., 209 Washington
§Buckley J. M. & C. J. Co., 164 Federal
Burke D. F. (Mason), 7 Alden
Burke John R., 78 Devonshire
§Cadario L. B. & Sons, 15 Court sq
§Cashman John & Sons Co., 247 Atlantic av
Central Const. Co., 228 Southampton
Chandler Const. Co., 31 State
Clark & Lee Co., 201 Devonshire
§Cline Hyman E., 43 Tremont
Coburn Frank G., 294 Washington
Coleman J. C. & Sons Co. (Street & Public), 1620 Tremont, Rox.
Converse H. P. & Co., 88 Broad
§Corbett F. A., 148 Sutherland rd
Coughlan Jas. J., Carney bldg
Cressy Contracting Co., 278 Albany
§Culbert Robt. J., 141 Milk
Cumings H. P. Const. Co., 319 Washington
Cunningham C. S. & Sons Const. Co., 7 Water
§Currier Chas. E. & Co., 10 High
Cusack Andrew M. (Sewer), 319 Washington
§Davis Geo. M. & Son, Equitable bldg.
§Davison & Jones, Malden
§De Matteo M. 146 Dudley, Roslindale
§Dodge C. A. Co., 166 Devonshire
§Dolan Jos. M., 197 Sidney
†*Dolloff C. W. & Co. (Public Works), 20 Central
§Douse William, 86 Fuller
§Duff John W. (Inc.), 146 Summer
§Edwards & Monohan Co., 6 Beacon
§Ellis W. H. & Son Co. (Bridge & Masonry), 479 Meridian
Essena Chas, Somerville
Evatt Constr. Co., 161 Devonshire
Fletcher-Lahey Co. (Public Works), 31 State
Foster Heating Co. (Plumbing), 15 Palmer
§Fox Benj. (Inc.), 15 Exchange
Fraser J. C. & Sons Co., 5 Providence
§Fritz N., 62 Maywood
§Fuller Andrew D. Co., 3 Hamilton pl
§Fuller Geo. A. Co. (Large), 131 State
§Gascoigne & Linenthal Inc., 43 Fremont
Gerrish Dredging Co., 101 Tremont
Gibson Richard 65 Long Wharf
Gow Charles R. Co (Public Works), 166 Devonshire
§Graham John B., 8 Beacon
Great Lakes Dredge & Dock Co. (Bridges, Piers, etc.), 141 Milk
§Gregory E. R., 60 W. Dedham
§Griffin John F. Co., 17 Milk
§Hanlon Thos. H., 1817 Dorchester av
Hanscom Construction Co., 70 Kilby
Hardy & Streeter (Concrete), 95 Milk
§Harvey Geo. W. Co., 201 Devonshire
§Haskin Chas. A.
§Haynes Const. Co., 42 Court
§Hemenway H. L. Co., 88 Broad
§Hemeon Brothers, Somerville
Hersey Ira G. & Sons Co., 53 Wareham
Hill Peter W. (Public Works), 97 Proctor
§Holbrook, Cabot & Rollins Corp. (Bridges, Foundations & Dams), 6 Beacon
§Holt-Fairchild Co., Old South bldg.
§Hooper S. F. & Co., 101 Tremont
§Howard Bros., 412 Dorchester av
§Howes R. H. Const. Co., 10 Post Office sq
§Jacobs Chas. J. Co., 107 Terrace
§Jacobs David H. & Son, 166 Devonshire
Johnson Alfred & Son (Mason)
§Jones Arthur D., 76 Kingston
§Johnsberg Frank F. Co., Old South bldg
§Kanter & Altman, 1125 Commonwealth av
Kearns W. F. Co. (Concrete), John Hancock bldg.
†Kendall M. K. & Co., 110 Pearl
Kennedy & Peterson Const. Co., 7 Water
§Keyes W. H. & Co. (Street & Public Works), 101 Tremont
King Construction Co., 113 State
Lawler Bros. (Heavy Mosonry, Public Works, etc.), 16 City sq, Chsn
§Leighton-Mitchell Co., 95 Milk
Letteney C. F. (Public Works), 11 Central
§Ley F. T. & Co., Inc. (Power Houses, Conduit Work, Bridges, Sewers, Waterworks, Dams, High Tension Work, Roads, etc.), 185 Devonshire
§Locatelli J. E. Co., 46 Cornhill
Logue Chas. Building Co., 18 Tremont
McArdle James W. (Mason), 166 Devonshire
§McClellan Jos. B. 131 State
McDonald & Kivell, 10 High
McGahey & O'Connor, 166 Devonshire
McGunigle & Tounge, 34 Colberg av
§McKenzie F. L., 7 Water
McMorrow Jno. (Grading, etc.), 822 Adams, Dor.
McMurtry A. J. & G. H. (Excavating, etc.), 16 Shepard (Br.)
§McNeil Bros., 57 Stanley
§McPhee D. A., 403 Newbury
MacDonald Angus, 79 Milk
MacDonald & Joslin Co., 161 Devonshire
MacKenzie Murdoch, 346 Belgrade av
Mabie Wm. I. & Co., 15 Federal
Mack & Moore, 101 Tremont
§Macomber Geo. B. H. Co., 44 Blomfield
Malone Bernard (Mason), 163 Corey rd
§Marr Bros. & Stewart Co., 319 Wash.
Marr Daniel & Son Co. (Public Works), 384 Dor. av, S B
§Mead Charles H., 15 Beacon
§Merritt & Jarvis, 12 Marshall
Miller W. L. (Bridge & Masonry), 171 Alford
Minton Thos. F. (Grading, etc.), 4 Hyde Pk
§Mitchell & Sutherland, 166 Devonshire
Moore & Co. (Waterworks & Public Works), 12 Pemberton sq
Morcombe F. T. & Co., 155 Kneeland
Murphy Cornelius & Son (Grading, Public Works, etc), Dorchester
Nawn Hugh Contracting Co. (Excavating & Public), 82 Savin
Nelson James E. Co., 7 Water
§New England Concrete Construction Co., 201 Devonshire
§Nicholls Wm. R., Chsn
§Nicholson Jos. & Son, 101 Tremont
§Norcross Bros. Co. (Builders & Public Works), Tremont bldg.
Norton W. A. Co. (Pile Driving), 285 Dorchester av
§O'Hearn Patrick, 1464 Dorchester av
O'Riorden P. (Est.), (Excavating, etc.), 1 Waverley blk.
Orne & Lawrence, 39 Court
Palmer John E. (Grading), Old South bldg.
§Plotti Ambrogio (Mason), 98 Melville av
§Preble Walter H. Co., 11 Pemberton sq
§Proctor John H. & Co. (Coal Elevators, Cable Railroads, etc), Old South bldg
Rafferty Wm. J. & Co. (Grading, etc.), 33 Champney, S B
Rendle G. T. Co., 270 Condor E. B.
Rendle W. S. (Wharf, Bridge, etc.), 135 Prescott
Rice P. G. & Co., 1690 Commonwealth av
§Rich Patrick (Mason), 342 Bennington
§Rockwell Fred J., 741 Washington
Roman Road Co., 228 Southampton (Public Wks.)
Rooney John A., 319 Wash.
§Root W. A. & H. A., 1 Beacon
Rowe Contracting Co. (Public Works), 1607 Commonwealth av
§Roxbury Const. Co., 18 Clifton
Ryan Contracting Co., Charlestown
§Ryan & Keon, 176 Federal
§Scully J. T. Foundation Co. (Concrete Foundations, Excavating, etc., 166 Devonshire
*Seretto Michael (Sewer), 3 Tremont row
§Shea Thos. J. Co., Jamaica
Shepard Daniel L., 46 Cornhill
§Sherman Wm. U., 18 Lyndhurst
§Snider & Druker, 18 Tremont
Snow F. A. Co. (Public Works), 79 Milk
§Soule L. P. & Son Co., 80 Boylston
§Stewart Jos. I., 1295 Commonwealth av
†Stone & Webster Engineering Corp., 147 Milk
§Stuart T. & Son Co., 166 Devonshire
Sullivan J. H. (Road & Sewer), 20 Lake Br.
Sullivan J. J. (Excavating, etc.), 272 W 5th
Swanson Victor (Mason), Allston
§Swift-McNutt Co., 70 Devonshire
Taylor E. R. Co. (Concrete), 786 E. Bradbury
*Tomasello Antonio G. (Sewer, Road & R. R.), 69 Gibson
§Troy S. P., 88 Broad
Turner Const. Co., 178 Tremont
§Tyson Weare & Co., 201 Devonshire
Walsh Bros. (Mason)
Weiss Constr. Co., 40 Court
Wentworth Walter A. Co., 15 Exch.
§Whidden-Beekman Co., 70 Devonshire
§Whitcomb E. Noyes Co., 49 Wareham
§Whitcomb Frank L., 17 Wareham
§Whitcomb & Kavannaugh Co., 6 Beacon
White Jos. F. (Sand), Western av
§Whitney Arthur C. Y., 18 P. O. sq
§Willcutt L. D. & Sons Co., 146 Sumner
§Wilson & Tomlinson, 79 Milk
Whitney Co., 12 West
§Whiton & Haynes Co., 200 Devonshire
§Wight Wm. E., 78 Bowdoin
§Woodbury I. F. & Sons Co., 185 Summer
§Zedren John, Readville
§Zeiman Max, 53 Litchfield

BROCKTON—Batson C. A.
Howard George B. & Sons Co.
Irving David Co.
§Lays Bros.
Long & McAuliffe (Masons)
Marlow & Eldridge
Peck & McKay
Powers Bros.
Sampson E. T.

BROOKLINE—Brookline Contracting Co.
§Cook John & Son (Masons)
§Driscoll Dennis
Driscoll J. & Son Co. (Public Works)
§Driscoll Timothy
Goodwin & Mitchell
Hennessey Bros.
McCue Thos. & Son
§O'Hearn M. J.

CAMBRIDGE—Barrett James T.
Byrne John B. Inc. (Mason)
Condon Wm. F. (Mason & Concrete), 218 Putnam av
§Dodge C. A. Co.
Eastman H. T. & Co.
Linehan Chas. (Public Works)
McGahey & O'Connor (Masons)
Pocher B. H.
Powers John J., 33 Myrtle av
§Riley J. M.
Scully John T. Foundation Co. (Concrete Foundations, Buildings, etc.)

CHELSEA—Coleman Bros.
Haley Michael S.
Rendle Stoddard Co.
Strout Bros. (Masons)

CLINTON—Clinton Concrete Co.

EAST HAMPTON—Cullen John
Pepin Delos T.

FALL RIVER—§Beattie & Cornell (Builders & General)
§Beattie Roy H. (Engr. & Contr.)
§Bolduc Leander (Building, etc.)
§Booth & Chase Co., Inc. (Wharf)
§Crowe John Co.
§Darling Joseph M.
§McNally Const. Co. (Concrete, Brick, Steel, etc.)
§Moore Daniel
Puleston & McDougall

MASSACHUSETTS—continued
FITCHBURG—§Carter Wm. C.
Foss & Janes
§Hartwell Walter A.
§Hutchins Wallace J.
Leger Supplein J.
Moran John (Excavating, Grading, etc.)
§Wiley & Foss
FRAMINGHAM—Framingham Constr. & Supply Co.
Framingham Contracting Co.
McNeil & Son
Prindville J. J. Co.
GLOUCESTER—Day John W. & Son
§Pomeroy E. A.
Pomeroy John S. Co.
§Watson Bros.
HAVERHILL—§Cole N. S. & Son, Inc.
Duffee W. F. & Co.
Haverhill Const. Co.
Kelley Bros.
Roche John M.
Shannon E. F.
HOLYOKE—§Fowles J. H. & Son
Goddard Vallis V. (Mason)
Kennedy P. J. & Co.
§La France L. A.
§La Liberte Bros.
§Lynch Bros. Brick Co.
§McCormick A. D.
O'Connell's D. Sons (Waterworks & Public)
O'Neill J. J. Co.
Prew J. J. (Brick)
Ranger Casper Const. Co.
Walsh Maurice J. & Sons
LAWRENCE—Bourque Constr. Co.
Cyr John & Co. (Masons)
§Locke L. E.
§Peabody E. A. & Son
§Pike W. N. & Sons (Large)
§Pitman Ernest W. Co.
§Wagenbach Jos. & Son
LEOMINSTER—Leadbetter G. E. & Sons, Inc. (Mason)
Smith Edgar M.
LOWELL—Cazanas Nickoloas
Dickey Leroy W.
§Drapeau Wm.
Johnson Thos. W Co.
§Meloy Fred
Mendlek Bros.
Morin J. B.
§O'Hearn P.
§Penn Wm. H.
Robinson & Robinson
Sawyer Avila
Smith E. A. & A. T. (Concrete Paving)
Snow Samuel E.
§Staples Bros.
Varnum Percy E.
*Ward W. H. Co. (Public Works)
§Whittet James
§Wiggin Burton H. Co.
LYNN—Bryer A. E. Contr. Co. (Excavating, Sewer, etc.), 461 Western av
Campbell Bros., 99 Sagamore
Cunningham C. S. & Co., 23 Central av
§Hardy Harry E., 148 Burrill
§Hart Bros., 36 Pacific
§Litch L. D. Building Co., 7 Berkeley
Lyons Michael F. & Co., 10 Pond
§Manning James E., 26 Beacon Hill av
Mayo Construction Co. (Public Works), 333 Union
§Sheehan David J. Co., 424 Broadway (Sewer)
§Swain Constr. Co., 67 State
Sheehan John W., 585 Western av
§Titus Cutler, 70 Munroe
Vroom Bros. Co., 333 Union
Wright Chas. W., 23 Central av
MALDEN—Lenehan Pat. H.
MELROSE—Lane Bros.
NANTUCKET—§Holmes & Co.
NEW BEDFORD—Bishop J. W. Co.
Buffington Arthur E. (Mason)
Cadorette Maxime
Davis Z. B. Corp
Sherman R. A. & Son
Sistare F. B. & Son
NEWBURYPORT — Cashman Bros. Co. (Roads, etc)
NEWTON—§Briggs Geo. M., Inc.
Joyce John T. (Excavating)
Stuart T. & Son Co. (Public Works)
NEWTON CENTER—Hurley Bros. (Grading, Roads & Masonry)
Lane & Maloney Constr. Co.
§Stevens F. W.
NEWTON HIGHLANDS—Sullivan T. D. & Sons Co. (Masons)
NEWTONVILLE—§Higgins W. S.
NORTH ADAMS—Phillips & Pyke
Whitney Chas. E.
Wood H. C. Co.
NORTHAMPTON—§Bailey Myron C.
Bernier & Vanasse
Bishop Bros.
§Huxley Frank L.
Kieley & Gleason (Masons)
§Twohig Jas.
§Whiting Chas. W.
NORTH ANDOVER—§Costello D. J. Co.
Trombley Jos. & Son (Masonry)
PALMER—*Flynt Building & Construction Co.
PITTSFIELD—Emerson & Germain
§Foote & Jones
Pike D. Herbert
§Roscoe Edward F.
QUINCY—O'Brien Thos. & Sons
Shea William & Son (Excavating Grading, etc.)
Whelan Thos. & Co.
SALEM—§Fitzgerald W. & Son
§Flynn John J. Co., Washington
Mack Bros. (Masons), 221 Essex
§Merrill Samuel S.
Morrison & Young
Peterson V. S. (Sewer, etc), 237 Essex
§Pitman & Brown Co.
§Turner Edward F., 13 Jackson
Welch Jas. J. (Public Works)
SOMERVILLE—§Andrews J. M. & Sons Co.
Falvey John J.
§Welch John & Sons
SOUTH HADLEY FALLS—§Harris Edgar T.
§Judd Burritt
SPRINGFIELD—Adams & Ruxtom Const. Co. (Concrete)
§Angers J. A. & Bro
Berlin Const. Co.
Bushey N. C. (General & Bldg.)
Carlson Ernest F. Co.
Davis E. T. & Son (Masons)
Fay L. C. & Co., Inc.
§Gagnier Bros.
§Green Samuel M. Co.
*†Ley Fred'k T. & Co., Inc. (Power Houses, Conduit Work, Bridges, Sewers, Waterworks, Dams, Roads, High Tension Work, etc.), 499 Main
Maloney Michael (Mason)
Mellen Daniel W. (Masonry)
*New England Const. Co. (Bridges, Sewers, Roads, Excavating, etc.)
Newton W. A. & Co.
Pinney E. J.
Ranger Casper Const. Co.
§Roy J. G. & Sons
Sackett Bros Co. (Excavating, Grading & Sewer)
§Sampson E. L. & Bros. Contracting Co. (Masons)
Shea Daniel C. (Masons)
§Shea J. L.
Valentine F. S. Co.
Vaughan & Kibbe (Excavating, Grading, Sewer, etc.)
§Wood L. S.
STONEHAM—§Cole George
SWAMPSCOTT—Lyons James T.
McDonough Mich'l Co. (Street & Public)
Tuttle H. Scott (Street & Public
TAUNTON—Briggs Abram T. (Heavy Masonry)
§Sullivan D. J.
§Williams Franklin D.
§Witherell L. M. & Sons
WAKEFIELD—Killorin Contr. Co. (Roads & Grading)
WALPOLE—Allen M. W. Const. Co.
WALTHAM—Bull Edward H.
Fisher L. Co.
O'Malley Peter J. (Excavating, etc.
Purdy Wm. C.
WARE—§Cummings H. P. Const. Co.
§Lincoln J. N. & Son
WATERTOWN—Hutchins Arthur L.
Iliffe William H.
McCue Thos. J.
§Murdough A. B.
Theurer Otto A. (Cement)
WELLESLEY—Hapgood, Frost & Co.
Taylor Chas. N. (Water Works)
WELLESLEY HILLS — Croswell John (Sewers)
WEST CHELMSFORD—§Edwards & Monahan Co.
Fletcher H. E. Co. (Excavating, Bridge & Dam Masonry, Foundations, Stone Masonry, etc.)
WEST MEDFORD—Bayne W. A.
Graves Bros. (Masons)
WEST NEWTON—§Cotter Jere. & Son
Gannon Bros. (Masons)
§Jepsen Geo. L. & Son
WINTHROP—Noceti Louis (Concrete)
WOBURN—§Corbett T. R. & Sons
McLaughlin D. & Sons (Masons)
WOODS HOLE—Swift E. E.
WORCESTER—Allen Robert C. (Sewer & Public), Park bldg
Benson Oscar T. (General), Hitchcock rd
BISHOP J. W. CO., 109 Foster
Buckley J. M. & C. J. Co., 128 Vernon
§Carr Geo. W. Co., 518 Main
Central Building Co. (Large), 58 Front
Cross E. J. Co., 82 Foster
§Faucher Bros. 58 Front
§Fiske-Carter Const. Co., 11 Foster
Groves L. M., 7 Rockwood av
Higgins J. J., 340 Main
Kane Michael J. (Excavating, Grading, etc.), 9 Wade
Loftus John (Mason), 383 May
McDermott Bros., 18 Cedar
Marsh B. F. Co., 22 Garden (Brick)
Mellen Walter L., 41 Queen
Miles Jas. & Sons Co. (Masons), 393 Main
§MINER EDWARD F. BUILDING CO., 25 Foster
Ohlson O. F., 10 Brunswick
Petterson, L. M., 21 Edward
Pike H. S. (Excavating & Road), 28 Townsend
Power John J. 15 Ashland
Roberts J. J., 4 Wall
§Robbins A. P. & Son, 58 Front
§Rocheford L. & Son, 44 Front
Smith Green Co., 25 Foster (Brick)
Tucker J. B., 19 Beechmont
§Ward Edw. D., 82 Foster
Wells G. A., 187 Providence
Whitehead Ernest, 187 Commercial

## MICHIGAN.

ADRIAN—Dibble Chas. E.
Matthes Bros.
Matthes C. F. & Son
ALPENA—Gebhardt, Morrow & Co.
ANN ARBOR—§Biggs Wm.
Cole A. R. Co.
Clancy W. J. (Paving)
Koch Building & Supply Co.
§Sauer Charles A. Co.
BATTLE CREEK—Blanck A. E.
Cole S. B.
Gillis Chas. H. & Son
Snyder H. V. & Son
Tait John H. Co.
BAY CITY—Bay City Constr. Co.
Campbell Hugh & Son (Masonry, etc.)
Hewitt Ernest C.
§Meagher Jas. A. (Mason)
Meagher Wm. J. & Co.
Millar Allison R.
North American Const. Co.
§Richter Chas A.
Weber Henry C. Constr. Co.
BENTON HARBOR—Mills G. A. & Son
CALUMET—Milford W.
Roehm Paul P.
Ulseth Edw.
CHARLOTTE—Beach Mfg. Co.
§Clever Constr. Co.
DETROIT—Affeld J. S. (Sewers, etc.), Ford bldg
Albrecht A. & Co. (Large), Penobscot bldg
Armstrong A. R., 148 W Kirby
Baker R. D. Co. (Paving), 485 Elmhurst
Barber H. J., 560 E Grand blvd
Bartholomael Max Son & Co., 466 Warren av
§Bodary Building Co., 759 Stanley av
Booth George E. Building Co., B'way & Circus Pk.
Bryant & Detwiler (Engrs. & Contrs., Reinforced Concrete, etc.), Dime Bank bldg
Carew Henry, 210 Jos-Campau
Cavanagh Thos. L., 288 Catherine
Chapman Bros., Humboldt & M. C. R. R.
Chevillot Louis F., 68 Greenwood
Christman H. G. Co., Stevens bldg.
Closser Bros. (Excavating), 777 Fort W
Cooper Frank N. (Masonry), Penobscot bldg.
Corrick Bros., Owen bldg.
§Culbertson & Kelly, Ford bldg
Currie Thomas E., Magraw bldg
§Davock Building Co., Campau bldg
Degens Herbert G., Penobscot bldg
De Lisle & Cooper, Ford bldg

Detroit Building & Constr. Co., Free Press bldg
Dupuis A. J. Co. (Docks, etc), Ford bldg
Everham Melville B., Chamber of Com.
§Farrington Frank Co., Scherer bldg
§Finn John & Co., 2375 Woodward
§Flint Dayton Co., 696 Holcomb
Fuller Geo. A. Co., Penobscot bldg
Gearing Bros. Co. (Ltd.), Penobscot bldg.
General Const. Co., Union Trust bldg
Gibson J. A. & Son, 1611 Fort, W
Goddard F. H., 520 Franklin
Goodenow & Ginn
Grauer A. & Co., 216 E Columbia
Haberkorn J. H. & Co., 384 14th av
Hanley John (Sewer, etc.), McGraw bldg
Harcus & Co., 774 Russell
Hatch-Montague Co., Ford bldg
Helson Richard, 121 Columbia W
Jackson & Maurice, Ford bldg
§Johnson Fred R., 179 Kenilworth
Keller C. Co., 210 Moran
Kreighoff Co., 1187 Bellevue
Kutsche A. W. & Co., Ford bldg
Larrowe Const. Co., 1199 Woodward av
Le Veque Const. Co., 108 Jeff
*Lennane Bros. (R. R., Paving, Sewer & Concrete), Union Trust bldg
Lesinski-Leszezynski Co., 715 Forrest av
Linsell Co., 443 Woodward
McCausland W. H. Son, 116 Larned W
McClintic-Marshall Co., Book bldg
McEnhill Bros., 637 Baker
McLean A. J. Co., Stevens bldg
Maclean Building Co., Smith bldg
Marentette J. E., 137 W Larned
Mercier John A. (Excavating, etc.), Hammond bldg
§Miller, Baker & Strengson Bldg. Co., U. T. bldg
Misch Otto Co., Cham. of Com.
Modern Const. Co., Whitney bldg
Moody Bros., Hartford & Scovill
§Moulds & Brown, Rowland bldg
Moynes Jas. A. & Co., 231 Milwaukee av
Nowakowski Jos. & Co., 666 Forest, E.
Nutt Geo. D., Farwell bldg
Osgood David J., Co., 220 W Elizabeth
Otis Cement Const. Co., Hammond bldg
Paschke August & Sons, 1345 Bellevue av
§Pauli Frank M. Co., 40 Shipherd av
Pocock W. H., 1115 Gladstone
Porath Julius, McGraw bldg
Putnam, Moore & Brown, Penobscot bldg
Reid J. H. & Son, 121 Canfield E
Robertson R. & Co. (Cut Stone only), Milford av P. M. R.
Robinson F. S. & Co., Hammond bldg
§Rogowski Bros. & Wedda (Mason), Canfield & G. T. Ry.
Rose Albert A., Penobscot bldg
Rutley Constr. Co., Chamber of Commerce bldg
Ryan M. E. & Son (Excavating) Penobscot bldg
§Schewe Chas. R. Co., Chamber of Commerce
Schneider Bros., Hammond bldg
Scholl Leonard & Sons (Mason), 298 12th
Sisman Andrew C. Co., 387 Beaufait av
Smith Andrew J. Const. Co. (Dams, Viaducts & Office & Factory Bldgs.), Campau bldg
Southwick-Pom Co., 1244 St. Jean
Spicer's David Sons, Free Press bldg
§Starrs Wm., 250 15th
Stokes & Whittingham, Penobscot bldg
§Tanneholz B. Constr. Co., 56 Catherine
Vinton Co., Vinton bldg
Whittaker John & Co., 51 Church
Wood F. B., 64 Gibson
Wood W. E. Co. (Power Plants, Factory & Mercantile bldgs., etc.), Ford bldg
Zeigen Const. Co., Penobscot bldg

GRAND RAPIDS—Boyes & Blandford Co.
Bunker G. W. Co.
Gentz Bros.
Hauser-Owen-Ames Co. (General)
Hoertz Chas & Son
McNabb Jno. & Son (General)
Prange A. H.
Rusche J. P.
§Strom-Johnson Constr. Co.
HANCOCK—Gauthier August
Verville A. J.
HOUGHTON—Gundlach H.
Hildibrandt Frank
Michels J. J.
Smith Sparks Co.
IRON MOUNTAIN—Hoose & Person Const. Co.
IRONWOOD—Olson & Bergquist (bldg)
Oxman & Son
ISHPEMING—Erickson Louis & Son
Wahlman Construction Co.
JACKSON—Bradt Harry J.
Brooks T. C. & Sons Co. (General)
North Bradshaw Co.
KALAMAZOO—Byers Bros. Const. Co.
Heystek-Baker Constr. Co. (Paving)
Rickman Contraction Co.
Tanis E. & Son
Van Der Horst Henry L.
LANSING—Neller Louis
Wilcox C. S.
MANISTIQUE—Ramsey W. S.
MARQUETTE—Powell & Mitchell
Van Iderstine C. C.
MUSKEGON—Buck & Mullen
Burke, Smith & Nelson
Hughes John & Son
PORT HURON—Crawford Archie
O'Sullivan James & Sons Co.
Smith Andrew J. & Sons
SAGINAW—Creswell E. B. (General)
Davies J. C. (Sewer, Paving, etc.)
Gelinas A. & Sons (General)
Kerns Jas. S. & Son
Qualman Walter A.
Ryckman Albert H.
Spence Bros.
ST. JOSEPH—Kingsley Chas. E. (Mason)
Stock M. W.
Williams Chas. E.
SAULT SAINTE MARIE—Durocher Thos. L.
Great Lakes Dredge & Dock Co. (River & Harbor)
Hunt M. N.
Irwin John B.
TRAVERSE CITY—Lather Geo.
WYANDOTTE—Soncrant Leon

## MINNESOTA.

AITKIN—Foley D. A. & Co.
Gleason W. J. Co.
Small W. H. & Son
ALBERT LEA—§Albert Lea Constr. Co.
Anderson Bros.
Hansen John F.
Nelson & Thompson
Tapager Christian M.
AUSTIN—Berry & Beckel
Donovan Wm.
BRAINERD—Rowley C. B.
DULUTH—Anderson & Gow
Barnett & Record Co. (Engineers & General)
§Bergquist Bros.
§Bowe-Burke Co.
§Brown H. C.
§Carlson Frank A.
Clough D. H. & Co.
Dahl E. A.
§Danielson Chas.
Duluth Diamond Drilling Co.
Duluth-Superior Dredging Co.
§Fawcett William
Frederickson C. G. (General)
§Grandy John
Great Lakes Dredge & Dock Co. (River & Harbor)
Hansen Richard
Jacobson Bros.
Johnson Frank L. & Co.
§Johnson Otto
Kileen Thos. & Co.
*King Geo. R. (Railroads, Sewer, etc.)
King W. F. & Co.
Linden Construction Co.
§Lounsberry Geo. H.
McDonnell P.
MacLeod & Smith (General)
Molitor J. D. & Bro.
§Nauffts Theo.
Northern Dredge & Dock Co.
Pastoret Construction Co.
§Pearson Harry & Son
Pearson Olaf & Son
§Perry E. C. & Son
§Ramstad Louis
Raymond Bros. Co.
Rogers & McLean
Runquist John
§Schleunes J. F.
Smith & Vokes (General)
Stack Constr. Co.
§Thorburn Thomas (General)
Watterworth & Fee (General, Street & Public)
Zauft Emil
FARIBAULT—Brown Benson
O'Neil John P.
O'Neil Wm. & Son Co.
§Peltier C. H.
FERGUS FALLS—Lamson-Gray Construction Co.
Lauritzen John Co.
Minnesota Cement Constr. Co.
HIBBING—Longyear E. J. Co. (Drill)
McKusick J. C.
Winston-Dear Co.
MANKATO—Neitge Otto
Nelson J. B. Construction Co.
Widell Co.
MINNEAPOLIS—Albinson Const. Co., 1214 Marquette av
Anderson Albert, Plymouth bldg
§Anderson Fred Co., 2810 Bryant av, S
Archer H. & Co., 314 S 10th
Bailey-Marsh Co., Metropolitan Life bldg
*Balch H. F. & Co., Phoenix bldg
§Baltuff Jos. M., Metropolitan Bk. bldg.
Barbeau & Werring (Bridges), N W bldg
Barnett & Record Co. (Grain Elevators & Heavy bldgs.), Flour Exchange
Betzler Geo. J., 2622 Marshall (Cement)
Billingsley R., Plymouth bldg.
Brown Jas. H. Co., 511 S Third
Carlson & Johnson, 4437 Stevens av.
Carlsted Bros., Bldrs' Exchange
§Cedarstrand Aug. & Co., 984 Central av
§Chadwick L. L., 112 E Lake
Comb David & Son, 29 Ash
Cooper E. B., Lumber Exchange
Cooper J. J., Andrus bldg
§Crawford W. M. & Co., 70 Western av
Davis C. A., 19th & Pierce
Davis Construction Co., Plymouth bldg
Dawson Bros., 3638 Central av
Doeltz W. F. & Son, Plymouth bldg
*Doughterty J. P., Globe bldg
Elliott J. & W. A. Co. (Public Works), Lumber Exchange
Elson Williams Const. Co., 830 Hennepin av
Evenson Utterberg, Bldrs' Exchange
Evensta E. G. & Co., Bldrs' Exch.
Farnam Bros. Co., Plymouth bldg
Fleisher & Hoffman, Kasota bldg
Frankman Bros. Bridge & Constr. Co., Metropolitan Life bldg
General Contr. Co. (Paving), Plymouth bldg
Giguere Peter C. & Son, 410 7th av N E
Goldstein Irwin, Plymouth bldg
Graves F. E. Const. Co., 2520 Nicollet av
§Haglin, Stahr Co., Lumber Exchange
§Hagstrom Chas. E. & Co., 1514 Emerson av N
Hall Patterson Bldg. Co., Lumber Exch
Halladen P. O., Plymouth bldg
§Heaton & Ellison, 1818 4th av S
Hennepin Bridge Co. (Bridges, etc.), 922 Laurel
Ibberson T. E., Corn Exchange
*Jacobson R. A., 1114 Russell
Johnson J. A. & Co., 115 S 6th
Johnson L. H. (Bridges), 922 Laurel av.
Johnson & Johnson Constr. Co., McKnight bldg
*Kerrick Const. Co., 507 3d av N E
§Klarquist S. M. & Son, Security Bank bldg
Lasley W. M., Temple ct
Lathrop T. A., 418 Central av, S E
§Leck H. A. Co., 2511 5th av S
Leck James Co., 311 S 7th
Lees R. E., 303 6th av S E
Leighton H. N. & Co., 127 S 10th
§Libby & Libby Co., 244 2d av S
Libby T. & L. D. Co., Temple ct
Lunquist C. W. Co., 712 15th av N E
McCoig Harry L. & Co., 348 McKnight bldg
*McCullough & Cheney, Temple ct
§McMillan F. G., 2 S E 5th
Madsen Construction Co., Blds' Ex.
§Mandel Bros., 1109 Plymouth av
Minneapolis Bridge Co. (Bridges), Met. Life bldg
Moffet C. W., 3008 4th av S
*Nat'l Constr. Co., Met. Life bldg

MINNESOTA—Minneapolis—continued
Nelson N. W. & W. A. Co., 400 Temple Court
*Nelson Peter, Temple ct
O'Shea Wm. & Son, 526 Ridgewood av
Oyen O. O., 718 S 4th
Palmer Fred A., 3003 Hennepin av
Pelton R. B., 2906 Clinton av
§Peters Home Bldg. Co., 654 McKnight
Pike & Cook, 416 S 5th
Robinson J. L. Co., 511 S 7th
Security Bridge Co. (Bridges, etc.), Metropolitan Bank bldg
Sonner P. J., Plymouth bldg
Splady, Albee & Smith, Plymouth bldg
Standard Constr. Co., Plymouth bldg
Twin City Co., 29th & Minnehaha av
Tyler & Co., 2730 Nicollett av
§Vertz Geo. R. & Co., 1615 Nicollett av
Weltzin N. H., 3225 30th av S
*Winston Bros Co. Globe bldg
Wodrich & Son, Met. Life bldg
Wunder John, Lumber Exchange
MOORHEAD—Fridlund A. J.
Kall P. J. (Brick)
Merritt W. H.
RED WING—Carlson J. P. (Cement, etc.)
Longcor W. J.
ST. CLOUD—Heinman John
Kropp Carl
Wahl Ed. M.
ST. PAUL—Ash C. & Sons, 202 Maria av
Baumeister Wm. C., Pioneer bldg
Becker Geo. F., 160 W 4th
Boyd Constr. Co., Ger. Life bldg
*Boynton & Church, Merchants National Bank bldg
Bumgardner L. A. Co. (Grading, Railroad,etc.), Scandn.-Amer. Bk. bldg
Butler J. W. & Bro. Co., Scan.-Amer. Bank bldg
Cameron & Co., Ryan bldg
*Church H. W., 494 Ashland av
*Cook Const. Co., Gilfillan blk
*Deeks Deeks & Smith, Exch. Bank bldg
Donohue-Selover Constr. Co., 699 Virginia av
Elmer H. M., 1593 Portland av
§Ericksen A. G., 404 N Prior av
Feyen Constr. Co., 277 Burgess
Fielding & Shepley (Sewer Grading, Paving & Bridge), 216 W University av
*Foley Bros. (Railroad, etc.), Gilfillan blk
*Foley Young & Peabody, Merchants Nat'l Bank bldg
Fowble Chas. A., Germ. Life bldg
§Frandsen H. J., 510 Rice
Fransen Nels P. & Co., Endicott bldg
Grant G. J. Const. Co., Exch. Bank bldg
*Guthrie A. & Co., 336 Jackson
Hodgin W. E. Constr. Co., 1237 Selby av
Hoy W. J. Co., Metropolitan bldg
Ingemann Co., 1930 St. Anthony av
Johnson, Carey & Helmers Co., Metropolitan bldg
Kees G. A. Domestic Engng. Co. (Sewer)
Keough Bros., 2655 Mississippi River boul
Lauer Bros. (Heavy Masonry, etc.), ft of Chestnut
McClure Contrg. Co., 61 E 6th
McManis & Tarnoski, Endicott bldg
*McMenemy R. A., 645 Endicott bldg
*Morris, Shepard & Dougherty (Railroads, Bridges, etc.), 3rd & Waconta
Murphy Wm. M. & Son, Endicott bldg (Excavating)
§Nickel J. H., Exch. Bank bldg
Norlander Fred C., Merchants Nat. Bk. bldg.
*Oakes Geo. W. & Co. (& Bridges, etc.), Endicott bldg
O'Neil & Preston, 60 E 6th (Sewer)
Peck & Lehmann, 779 Cherokee
Poppenberger Wm. & Son, 735 York (Plasterers)
Romer F. J. Construction Co., 190 Ramsey
§St. Paul Bldg. Co., 460 Rice
*Siems-Carey Co., German Life bldg
Shield J. L. Co., Flat Iron bldg (Excavating)
Thomas A. C., Guthrie Construction Co., Shubert bldg
STILLWATER—Olsen O. H. (Public Work)
VIRGINIA—Grande Andrew
Roberts-[illegible]ston Contr. Co.
Shaver W. B.
Virginia Bldrs' Supply & Contracting Co.
WILLMAR—Haley Philip J.
Olson J. H.
WINONA—Beecker K. J.
Becker K. J.
Brom Martin
Huseman Fred
Knopp John
Lohse John
Seidiltz & Werner

## MISSISSIPPI.

JACKSON—Dickson A. L.
Hardy H. K.
McGee W. J.
VICKSBURG—Curphey & Mundy
Helgason Bros.
Padgett W. H.
Zollinger V. T.

## MISSOURI.

CAPE GIRARDEAU—Bender L. W. & Son
Kochtitzky Otto
§Rabich Herman
Vogelsang Bros. Const. Co.
COLUMBIA—Crist G. D.
Fellows John N.
Miller Frank P.
Stewart Bros.
FARMINGTON—McCarthy Lumb. & Const. Co.
JEFFERSON CITY—Mace Chas. G. (Cement)
Pope Joseph
Schneider Henry
Stone & Stone
Wolff Bros.
JOPLIN—Bane & Hoffman
Deiter & Wenzel Constr. Co.
KANSAS CITY—Arkansas Bridge Co. (Bridges, etc.), Waldheim bldg
Bradbury Edwin H., Sheidley bldg
§Brown Geo. L. & Son, Rialto bldg
*Cameron Joyce & Co., Ry. Exch. bldg
Canton Bridge Co., N. Y. Life bldg
Clark Constr. Co., 928 B'way
Coughlan John P., 1822 Main
Crites F. H., 2136 Belleview av
Economy Const. Co., 318 W 10th
Fogle Construction Co., Reliance bldg
Fowler L. A. & Sons, 1409 Walnut
§Fuller Geo. A. Const. Co., Dwight bldg
Gedney Wm. M., 24 Linwood av
§Goodlander George W., Mass. bldg
Gray Constr. Co., Orear-Leslie bldg
Halpin-Boyle Const. Co.
Hammond Bros., 1732 Grand av(Rail)
Hollinger Job Const. Co., New Nelson bldg
Home Const. Co., 1407 Walnut
Hucke Geo. & Sons Bldg. Co., Ry. Exch. bldg
Hunt Eng'ing Co. (Cement), Republic bldg
Hutt J. E. Contracting Co., Ry. Exch. bldg
Jaicks A. Co. (Paving), Amer. Bank bldg
Kansas City Bridge Co. (Bridge & Stone Piers), Orear-Leslie bldg
Kansas City Const. Co., 120 Spring
*Kenefick Wm., Bryant bldg
Kinghorn Alex., Reliance bldg
Kobert H. G., 1212 McGee
*List & Gifford Const. Co., Ry. Exch. bldg
List & Weatherley Constr. Co., Ry Exch. bldg
Long Const. Co., Rialto bldg
Lonsdale Bros., Bryant bldg
Lovitt C. W., 1015 E 33d
*McMurry J. W. Contracting Co. (Bridges, etc), Sharp bldg
§McTernan & Halpin Const. Co., 2500 Grand av
Maley & Kelly Contracting Co., Mass. bldg
Marshall C. W. Const. Co., Reserve Bank bldg
Marshall D. E. Contr. & Mfg. Co., 2011 E. 10th
Midland Bridge Co., Midland bldg.
Mid-West Construction Co., Dwight bldg
§Morley Patrick J., 709 Wyandote
Morris A. F., Bryant bldg
Mosby-Goodrich Constr. Co., N. Y. Life bldg
Norton Bros. (Grading, etc.), 1817 Holmes
§Parker-Washington Co. (Sewers, Grading, Paving, etc.), 2309 Pennsylvania
Peterson Chas. E., 3934 Wyoming
Raymond Concrete Pile Co., Orear-Leslie bldg (Concrete)
*Sharp C. H. Contr. Co., Sharp bldg
Siedhoff Geo. H. Constr. Co., Finance bldg
*Smith L. J. (Construction), Commerce bldg
Spitcaufsky Bros. Co., 2512 Wyandotte
Stiver Harvey, R. A., Rialto bldg
§Swenson Const. Co., Shubert Theater bldg
Union Bridge & Const. Co., Sharp bldg
Van Sant J. R. Const. Co., Dwight bldg
§Wells Bros. Co., Dwight bldg
Wilson W. A., Mass bldg.
Winn E. L. Const. Co., Ry. Exch. bldg
MEXICO—Gamble L. M. F.
Powell B. A. (Concrete)
MOBERLY—Lynch-McDonald Const. Co.
Murphy P. J. (Grading)
ST. JOSEPH—Buddy Phil. P. Bldg. & Const. Co.
Du Bois Reinforced Concrete Co.
*Hotchkiss Sam
Land Const. Co. (Concrete)
Metropolitan Paving Co.
Olson-Schmidt Const. Co. (Grading)
Reinert Bros. Const. Co.
Teegarden Edw. C.
ST. LOUIS—Abadie E. H. (Engrs. & Contrs.), Victoria bldg
§Althaus Jacob & Co. (Bldrs.), 530 Holly av
Amer. Bridge Co. of N. Y., 3d Nat'l Bank bldg
§American Contracting Co., Title Guaranty bldg.
American Press Brick Co., 6500 Easton av (Brick)
*Bambrick Bros. Const. Co., 5229 St. Louis av
Berwick Investment & Constr. Co., 610 Chestnut
Black James Masonry & Contr. Co. (Sewer & Masonry), Wright bldg.
Boeke Constr. Co., 1818 Ann av
Boland John V. Const. Co., Chemical bldg
§Bothe J. G. Contr. Co., 1603 N 18th
Bright J. H. Contr. & Bldg. Co., Title Arcade bldg
Bruner P. M. Granitoid Co., Frisco bldg
Carmichael Wm. P. (Eng. & Contrs.), Rialto bldg
Carroll Contracting Co., Wainwright bldg
Chapline Const. Co., Post Despatch bldg
Continental Constr. Co., Natl. Bank of Commerce bldg.
Craig Plastering Co., Odd Fellows bldg
Crosby H. W. Contr. Co., 4048 Evans av
Cunliff Charles, Title Guaranty Trust bldg
Duffner & Stecker Const. Co., 722 Chestnut
Evans Dan'l Const. Co., Odd Fellows bldg
Excelsior Press Brick Co., 1010 Chestnut (Brick)
Eyermann G. & Bro., 1216 S Grand av
Eyssell M., 3d Natl. Bk. bldg
Farish & Gray, 3rd Nat. Bk. bldg
Federal Constr. Co., Odd Fellows bldg
Fehlig Const. Co., Theresa av & Hickory
Fitz-Gibbon J. D., Grand & Windsor
Frein Masonry & Contrg. Co., 3303 Forest Park blvd
*Fruin-Bambrick Const. Co. (Public & Street Work), Merchant-Laclade bldg.
Fruin-Colnon Contr. Co., 800 S Spring
Gamble Const. Co., 620 Chestnut
Gerhard E. C. Bldg. Co., Post Dispatch bldg.
Gillespie & Daly (Mason), International Life bldg
Gillick Bros., 319 W Stein
Gilsonite Contracting Co., Wainwright bldg
§Godfrey Jas. A. & Co., Wainwright bldg
Goesse & Remmers Bldg & Const Co., 805 Cass av
Graham Granitoid Co., 4952 Lotus av
Graner-Mahoney Contracting Co., 2317 Tennessee av.

Granite Bituminous Paving Co., Rway Exch. bldg
§Grewe John Construction Co., Century bldg
§Grone Louis H., Benoist bldg
Haeseler A. H. Bldg. & Contr. Co., Wainwright bldg
§Hall, Mackay Construction Co., Chemical bldg
*Hannan P. J. Co., 3921 Palm
*Harrington Bros., 3959 Flad av
Hartmann G. Contracting Co., Chemical bldg
Harvey-Burden Const. Co. (Concrete), Central National Bank bldg
Heman Constr. Co. (Sewer & Public), Title Guarantee Trust bldg
Hickey Bros., Railway Exch, bldg
*Hill John Const. Co. (Sewer, Paving, Waterworks & Masonry), Syndicate Trust bldg
Hinchman-Renton Const. Co., Granibold Holland bldg
Hirsch H. O., Wainwright bldg
Inland Constr. Co., 4411 S. Grand av
Kellermann Contracting Co., International bldg.
Kiel & Daues Bricklaying & Contr. Co., 2621 Clark av
Kremer & Voirol Const. Co., Century bldg.
§Lescher J. G. Construction Co., 4237 Linton av
Lloyd H. Bldg. & Const. Co., Odd Fellows bldg
McClintic-Marshall & Co. (Bridge), 3rd Nat. Bk bldg
McClure R. P. Const. Co., 717½ 2601 N Union
§McCormack Charles B. & Son, Columbia bldg
McCormack-Combs Const. Co., Columbia bldg
McMahon Jas. T. Constr. Co., 1543 Farragut
McMahon Jno. F., Title Guaranty bldg
Manegold Contr. Co., Navarre bldg
Merrill Construction Co., Century Post Dispatch
Miller & Borcherding (Bridge), Frisco bldg
Mississippi Valley Const. Co., De Menil bldg
Missouri Granite & Const. Co., 3410 Gratiot av
Missouri Valley Const. Co., 3rd Nat. Bk. bldg
Moreno-Burkham Const. Co., Syndicate Trust bldg
Morey Richard, Chemical bldg
§Morrison R. W. Const. Co., International Life bldg
§Mueller Frank C. & Co., 3933 Chouteau av
Murch Bros. Const. Co., Railway Exchange bldg
*Myers Construction Co. (Gen'l), 3rd Manchester & Yale
Novaculite Paving Co., 6038 Delmar bl. (Paving)
Parker-Washington Co. (Engrs. & Contrs.), 6161 Maple
Pelligreen Const. & Inv. Co., Grand & Park av
Perkinson Bros. Construction Co. (Telford & Public), 3237 Carter av
Peters L. W., 785 Euclid av
P-K Engineers (Power Plants), 1906 Pine
§Prendergast-Clark Construction Co., 915 Olive
Prendergast Geo. G. Const. Co., Chemical bldg
Ratermann Bldg. & Contracting Co., 1943 St. Louis av
Reeves T. C., Odd Fellows bldg.
Remmers F. J. Contr. & Bldg. Co., 805 Cass av
Riley Wm. F. Const. Co., Victoria bldg
Robinson S. R. H. & Son Contr. Co., 716 Belt av
Rombaugh W. N., Gorlock bldg
Rosedale Contracting & Supply Co., Hodiamont av & Cates av
Ruecking Const. Co (Public Work), Marine av & Gasconade
Rugg Constr. Co., Syndicate Trust bldg
Rupp Jos. F. Bldg. & Contr. Co., 1901 E Warne av
Ruprecht W. & F., 8011 S. B'way
*Rust & Swift
St. Louis Cont. Co., 4425 Clayton av
Sauerbrum Const. Co. (General), Century bldg
Schirm F. Contr. Co., 4336 College av
*Scott Jno & Sons, Rialto bldg
Selden-Breck Const. Co., Fullerton bldg
Settle J. C. & Co., Pontiac bldg.
Simpkins Wm. H., 3005 Olive
Sinclair Quarry & Const. Co., Syndicate Tr. bldg
Skrainka Construction Co., Security bldg
§Steininger E. A. Construction Co., Post Dispatch bldg
Sternberg Bros. (Dredging), Natl. Bk. of Commerce
STEWART JAMES & CO., INC., Harbor, Marine & Heavy Buildings, Boatmen's Bank bldg
Stiers F. A., 4512 Morgan
Superior Press Brick Co., 3190 S Kings Highway (Brick)
Sutherland W. M. Bldg. & Contracting Co., Syndicate Trust bldg.
*Thompson J. W. (Bridge Masonry, etc.), Boatmen's Bank bldg
Toft M. J. Const. & Realty Co., Benoist bldg
Tower Grove Quarry & Const. Co., 5927 Fyler av
Unit Construction Co., Title Guaranty bldg.
Wade Bros. Const. Co., 325 N. Shady
Ward T. J. Const. Co., 1514 Olive
Ware J A. Const. Co., Boatman's Bank bldg.
Warren Bros. Co., Railway Exchange bldg (Paving)
Webb-Kunze Const. Co. (Grading, etc.), 5927 Fyler av
Westlake Const. Co., Ry. Exch. bldg
Wiederholdt Const. Co., Old Bank of Commerce bldg
*Wilson W. R. & Son, Odd Fellows' bldg
Wimmer Contracting Co., Victoria bldg
*Wise J. H. Constr. Co., Victoria bldg
Woerman Const. Co., Syndicate Trust bldg
Zbaren P. & Sons, 4820 Ledue
Ziegelmeyer & Suter, 7300 Minnesota

SEDALIA—Detjen & Son
Faulkner Frank G.
Johnson Thos. H.
Thomas M. O.
Warren J. C.
SIKESTON—Heisler Frank
Murry Construction Co. (Large)
SPRINGFIELD—Compton A. A.
*Hedges Construction Co.
Jarrett Construction Co.
Jarrett-Richardson Paving Co.
Pauly & Ipsen
Plummer-Adams Construction Co.
Springfield Planing Mill, Lumber & Const. Co.
Underwood-Mercer Constr. Co.

## MONTANA.

ANACONDA—Calnan T. C.
Clifton-Applegate & Toole
Johnson & Law
BILLINGS—Bayer Harry, Inc.
Gagnon & Co.
§Lindstrom & Oren
McElray & Holmden
Ross & Sawyer
§Savarsey Frank
§Seebod & Thomas
§Vincent H. G.
FORT BENTON—§Hagen Henry
GREAT FALLS—Fagenstrom Bros, Contr. Co.
Fagenstrom Bros. Contr. Co.
Jarl C. O.
Lease M. Theisen Co.
Ness & Theisen Constr. Co.
HELENA—Adami Bros.
Dryburgh John
Jacoby & Son
MISSOULA—Peppard O. E.

## NEBRASKA.

BEATRICE—§Kilpatrick Bros. & Collins Contracting Co.
BENKELMAN—Christensen J. H.
FALLS CITY—American Construction Co.
LINCOLN—Assenmacher W. J. Co.
§Birchard Construction Co.
Harrison T. P.
§Jensen Louis
Olson Construction Co.
§Stephens H. A.
LOUP CITY—Ohlsen John & Son
OMAHA—§Bailey W. C.
Busk & Wind, Ramge bldg
Butke Robert, Paxton bldg
Callahan Const. Co.
Campen Co., Omaha Nat'l Bk. bldg
Canton Bridge Co. (Bridges), W. O. W. bldg
Cathroe H. J. & Co., Brandeis bldg
Collins G. J. S., 423 S 31st
*Condon Geo. W., W. O. W. bldg
Deverell W. P., Ramge blk
§Drake Reality Constr. Co.
Ford Paving Co., Brandeis Theatre bldg
Gould F. P. & Son, City Nat. Bk bldg
Grant John Paving Co., Paxton blk
Harte J. H.
§Jobst B. J., Paxton blk
Katz Construction Co. (Sewers, etc), Brandeis Theatre bldg
*Lomoreaux Bros. Co., Brandeis Theatre bldg
Mardis J. C. Co.
Murphy Hugh Construction Co. (Municipal Work, etc.)
Nebergall L. E. (Artesian Wells), Omaha Steel Wks. (Bridges)
§Parsons Grant, Keeline bldg
§Petersen Walter, Nat. Fid. & Cas. bldg
*Peterson Edward Co., W. O. W. bldg
*Phelan Shirley Co.
*Pollard & Campbell
Public Service Const. Co.
§Redgwick Wm.
§Selden-Breck Const. Co., Keeline bldg
Standard Bridge Co. (Bridges), City Nat Bk bldg
§Toms John J., Brandeis bldg
Western Bridge & Construction Co.
§Wiese J. H., City Nat Bk bldg
SOUTH OMAHA—Carter N. E., 2314 Main
Sorensen H. P., 13th & Harrison
TECUMSEH—Intermountain Bridge & Const Co (Street, Road, etc)

## NEW HAMPSHIRE.

CLAREMONT—§Beckwith Hira R.
COLE BROOK—§Hicks A. C.
Young Ellsworth D.
CONCORD—§Horne & Hall
§Hutchinson Bldg Co.
Rowell & Plummer (Masons)
Swain Chas H. & Co.
Virgin Wm E. (Masons)
EPPING—Manchester R. E. & Mfg Co
LACONIA—General Contracting Co.
Wallace Bldg. Co.
MANCHESTER—Brunelle Arsene
Bunton & Bernard
Demers Joseph C.
Keane P. J. & Son
Kennedy & Peterson Construction Co
Laberge Alphonse (Mason)
Laflamme Frank X.
Manchester Real Estate & Mfg Co.
Martel L. E.
New Hampshire Cement Constr. Co.
Provost F. T. & Co
Shattuck L. H. Inc.
Toupin Joseph
NASHUA—Fowell Wm. & Son
Holt Duane F. & Son
Nashua Bldg Co
Osgood Cons. Co. (Waterworks, Sewer, etc)
Weston J. H. & J. S. (Masons)
PORTSMOUTH—Trefethen E. W. (Sewer, etc.)

## NEW JERSEY.

ALLENHURST—Fielder Elbert O.
ARLINGTON—Salmond Bros Co
ASBURY PARK—Chamberlain J. & Sons
Leaw Bros. (Concrete)
Mooney Elwood W.
§Smock Benj. L.
§Taylor I. R. & Co
ATLANTIC CITY—Abacus Const Co
Atlantic Const & Supply Co
Baldwin Z. T. & Son
§Beaumont Wilbert
Bowen Richard T.
Buckley Ellwood
Cramer Augustus
Crosta Edward A.
Cunningham Frank M.
Goff Garner T.
§Hampton Bros. Co.
Hannum Philip G.
§Headley Samuel H.
§Higbee Wilbur S.
Hill Dredging Co. (Harbor & Public)
Holland E. J. Constr. Co.
§Knauer Newton W.

NEW JERSEY—Atlantic City—continued
§Mathis Hiram
§Mathis J. & Son
Moore Alfred
Murtland Christopher G.
Nichols Martin S.
§Scull Bros.
§Scull Harry G.
§Smith Ellsworth E.
Taylor W. G. & Son
§Thompson Bros.
§Tilton Chas. P.
§Young Nicholas W.
ATLANTIC HIGHLANDS—§Carhart Construction Co.
Wells Wm. L.
Woodward John & Co.
AVALON—§Kates Geo. W.
BAYONNE—Brady Bros. (Large)
Brady's Jas. Sons Co.
Gottko J. & Sons (Masons)
Grant J. W.
Herbert Thos. & Son (Masons)
McCabe Bros.
Pharo J. A.
White Michael
BEACH HAVEN—Butler Wm. L.
§Grant & Cranmer
BELMAR—§Hutchinson Forman S.
§Pierce H. Frank
BERNARDSVILLE—Dick & Monaco
§Dobbs Jos.
BLOOMFIELD—§Delp Jacob (Masons)
§King Hugh D.
§Moormann Bros. (Masons)
Sempier John
BOUND BROOK—McNabb John
BRIDGETON—Barnes & Mixner
Bridgeton Construction Co.
Grosscup & Sons
Maier Geo. & Bro.
Sharp Leander
BURLINGTON—Norcross J. J.
Williams H. H.
CAMDEN—§Anderson Gustavus
§Bachmann Geo.
§Barcklow & Fulton
Dick Wilmot
§Draper James W.
Harden Frank J.
§Hensgen Bros.
§Kelley John M. Contracting Co.
Makel John
Mockett Constr. Co.
Patchett Oscar
Post H. L. & Son
§Ratcliffe Griffith
Stant, Benj. F.
Taylor C. F. Co.
Wagner Philip
Ward Aaron & Son
CAPE MAY CITY—§Hanes Jos. H.
York Bros.
CLOSTER—Bell W. H.
Taveniere & Johnson
CRANFORD—Loveland L. L.
EAST NEWARK—Van Keuren & Son
EAST ORANGE—§Grobert Henry
§Kelley & Boland
Struck Fred M.
Tobin Richard L. Co.
ELIZABETH—Anchor Building Co.
Barnes & Van Bergen
Bond Bldg. Co.
Byrnes Michael Bldg. Co.
§Clifford Wm. & Sons Co. (Building)
Eilbacker Chas.
§Fisher S. L. & Son
§Flocken Chas. (Building & General)
Kerr Alex. & Son
McCloud Wm. J. & Co. (General)
New Jersey Dock & Bridge Building Co. (Harbor Improvements, etc)
§Slakin H. A.
Warren Jas. W. Bldg Co.
Winans C. H. Co.
ENGLEWOOD—§Bogert Chas. A.
§Bried Jas. L.
Brucker Charles
Mackenzie R. H.
Reeve Wm. D. (Mason)
§Vignaux W. A.
§Westervelt J. S.
FAIR HAVEN—Smith A. E.
Smith G. W.
FAR HILLS—Layton Jos.
Moore Wm. R.
Pantley Wm. (Mason)
GLEN RIDGE—§Higgins Thos. H.
GRANTWOOD—Scioli Nicola
HACKENSACK—§Birley Geo. H.
§Collins Geo.
§Ferber Constr. Co.
Humphrey E. C.
Long F. R., W. G. Broadhurst Co.
§Voorhis C. A. Constr. Co.
Whyte Wm. H. Const. Co.
HARRISON—Harper David (Roads, etc)
§McEvoy Bros.
HOBOKEN—§Farrell M. & Son
§Muller & Co.
Phelan Engng. & Constr. Co.
Rath Robert J. (Mason)
Waddington R. & Son (Street & Public)
Whalen James
Whan Alexander
HOLLY BEACH—Scully C. J.
IRVINGTON—Dorer John (Excavating & Grading)
Irvington Bldg. Co.
JERSEY CITY—§Anderson & Johnson, 75 Roosevelt av
Baker Wm. (Sewer, Paving, etc), 137 South
Byrne Henry (Public Works), 392 Mercer
§Connelly P., 13 E Hamilton pl
Connolly M. T. Contrg. Co. (Public), 238 17th
§Crone A. W. & Sons, 498 Central av
Delatush Henry Co., 562 Newark av
§Eichmann Robt. W., 234 Summit av
§Gavin & Doris (Masons), 273 Grand
Grosklaus John & Son, 299 Old Bergen rd
§Hackett M. & Sons (Masons), 224 Griffith
Hahn Henry, 247 Summit av
§Harrington T. & Sons, 558 Montgomery
Hudson Concrete Const. Co., 452 Montgomery
Jewkes Jos. & Sons, 676 Montgomery
Lothrop John M., 2381 Boulevard
McDonough H. (Mason), 265 Bergen av
Mannix Jas., 25 Gilchrist
Nevins Oscar W. Co., Pavonia & West Side avs
§O'Reilly Contrg. Co., 90 Neptune av
Robertson Wm. & Son, 15 Exchange pl
Rode W. C., 153 Garfield av
*Ross P. Sanford (River & Harbor), 277 Washington
Shannon J. H. & R., 538 Bergen av
Stillman-Delehanty-Ferris Co., 26 Exchange pl
Tumulty P. Jr., 59 Brunswick
Whyte Wm. R. (Mason), 36 Oakland av
Wright & Kowalsky, Grove & 19th (Concrete)
KEARNY—§Dunn Jas. J.
Maher & McNicholas
Smith Geo. Jr. (Concrete)
LONG BRANCH—§Hughes R. H.
Melee Owen J. (Bridges, Docks, etc.)
Schoenthaler Edward
§Woolley Geo. & Co.
LYNDHURST—Burke W. J.
MANTOLOKING—Stillwell Jos.
MILLVILLE—§Chambers A. J.
§Hoffman Henry (Mason)
§Hoffman Jas. S. (Mason)
MONTCLAIR—Boon N., 291 Orange rd.
§Boxall Geo. W. (Masons)
Carlson J. S. & L. Co.
§Clark Allison P. Co.
Fusco Donato (Sewers)
Gibbs Fred W. Contracting Co. (Street & Concrete Work)
Myers G. Edward Co.
§Nelson Nels P.
§O'Neill, Edward C.
Osborne & Marsellis Co. (Roads)
§Ring Edward D.
§Sims Benj. G. (Excavating & Grading)
§Wikstrom W.
MOORESTOWN—French Walter S. (Sewer etc)
Rogers J. S. Co.
MORRISTOWN—§Collins John D. (Mason)
§Dalglish Robert
De Coster, Mills & Co.
Grupelli Eney
Lyons Jas. J. (Mason)
§Reeve & Burr
Sturgis Bros. (Masons)
NETCONG—Allen Engng. & Contr. Co.
Gallo Bros.
NEWARK—American Concrete Steel Co. (Concrete work), 29 Clinton
B. & W. Concrete Co., 207 Market (Concrete)
Baer H. Co. (Cement Const.), 842 S 19th
Becker Const. Co. (Concrete), 361 Grove
§Becker L. C. & Son, 415-13th
Blanchard Wm. L. Co., 45 Poinier
CALUMET IRON WORKS (Structural Steel), 3 Hyatt av.
*See adv index at end of book*
§Clarks A. H. Son (Masons), 45 Clinton
§Connolly Wm. H. Co. (Mason), 196 Market
§Cooper Chas. S. (Mason), 20 Clinton av
De Camp & Sloan, Inc., 168 Pengtn.
Dey J. F. Co., 11 Highland av
Duckworth-Crawford Co. (Excavating & Road, etc), 111 High
Egan Martin J., 490 S 13th
Enstice Bros., 45 Clinton
§Essex Constr. Co., 87 Academy
Fatzler Fred Co., 810 Broad
Fritz W. G. Co., Essex bldg
George & O'Connor Co. (Excavating), 207 Market
Globe Bldg. Co., 443 Broad
Goeller Chas. Constr. Co., 45 Clinton
Handlowitch J. (Cement Const), 579 S 19th
Harrison & Craig Co. (Public Wk) 23 Clinton
Hedden Chas R. Co., Prudential bldg
Henry David Bldg. Co., 207 Market
Jackson Contracting Co., Inc., 113 Vesey
§Kilgus Fred, 13 S 6th
Licht Adam, 80 Alyea
*Linde & Griffith Co. (Bridges, Concrete, etc), ft 4th av
McGee D. W. Constr. Co., 142 First
MacPhee Bros., 1045 Bergen
Milmoe Alex J., 83 Littleton av
Milone Const. Co., 800 Broad
Newark Masons Contracting Co., 156 Ridge
New Jersey Cement Const. Co., 365 Park
Newark Paving Co., 133 1st
North Jersey Bldg. Co., 207 Market
*O'Gara Construction Co. (Road, Paving, etc.), 244 Market
Oschwald Bros. (Masons), 845 Broad
Peck & Benson, 31 Clinton
§Petz Constr. Co., 207 Market
Pitts Co. (Paving), 58 E Park av
Reynolds Const. Co., 308 S 9th
Robinson Jas. E. (Engineering), 274 South
Robinson Jos. A. (Paving), 87 Madison
Sattler Wm., 44 Breifnold pl.
Schaedel & Bro. Co., 118 Bruce
Schneider H. C. Co., 514 S 14th
Schubert's Jos. C. Sons, 364 S 11th
Shanley J. F. Co., 31 Clinton
Shaw Jno. W. & Son Co., 351 S 9th
Van Keuren & Son, 501 Passaic av
Vanderhoof Peter & Sons Co. (Masonry, etc), 285 Broad
Varley Geo. & Sons, 29 Hudson
§Waldron Edw. M., Inc., 27 Cent. av
Waldron E. M. & Co., 84 S 6th
NEW BRUNSWICK—Conway Martin
Jelin Abraham
Rule Geo. B.
Sebolt Conrad
Utility Constr. Co.
NUTLEY—§N. Y. Continental Jewell Filtration Co. (Govt., Municipal, Industrial & Railway Work)
OCEAN CITY—§Corson Leander S.
Sutton & Corson Co. (Roads, etc).
§Townsend Otis M.
OCEAN GROVE—Leaw Bros.
Minton Bros. (Masons)
ORANGE—Connors & Fittin (Masons)
Edwards W. F. & Co.
§Hay Wm. A.
Kearns Patrick
§McElnea David
Nelson Const. Co. (Concrete)
§Preiss & Co.
Soverel S. H. & Co.
†Wright & Lindsley
PALMYRA—§Shade John W.
§Shaner Geo. W. & Sons
PASSAIC—Baker Wm.
Berridge Bldg. Co.
De Vogel Contr. Co.
O'Leary J. J. Co.
Skvarla John (Mason)
Swenson L. & Son
PATERSON—B. & W. Concrete Co. (Concrete)
Breen Leonard M. Bldg. Co.
Campf Ralph
De Jong Chas. Bldg. Co.
§Ferguson Jno. W. Co.
§Gleek Albert & Son (Masons)
Henry David Bldg. Co. (Engrs. & Contrs)
Lynch Michael Const. Co.

McKiernan & Bergin Co. (Roads, Paving, etc.)
Pittet Felix G. (Mason)
Platt Wm. L. Const. Co.
Sanitary Constr. Co.
Sharpe Joseph Const. Co.
Steele & Son
Sullivan & McNally Co.
§Tanis Nicholas (Mason)
§Van Houten A. B. & Son
Van Kirk P. S. Co. (Mason)
Verduin Abraham (Mason)
PERTH AMBOY—Christensen Carl C.
§Christensen Fred. Constr. Co.
Crouse Ira R.
Graham & McKeon
Meagher & Smith
Mercer Geo. W. Const. Co.
Wester Jens N.
PLAINFIELD—Abbott John C.
Burke Jos. F. Co.
Manning Jas. C.
Milne Alexander
Pangborn's W. H. Son (Mason)
Tallamy B. F. & Bro.
PLEASANTVILLE—Adams Chas. S.
Adams Winfield
Yates James
PRINCETON—§Dempsey & Dempsey
McCarthy & Sons Co.
§Matthews Construction Co.
Stillwell S. H.
Warren Benj. R. & Sons
RAHWAY—§Lamphear Henry L.
Weldon Contr. Co.
RED BANK—Burd Chas. E.
§Earling, Johnson & Fiske Co.
Monmouth Contracting Co.
Scott & Scott
Scott & Yetman (Masons)
Thompson & Matthews Co.
RIDGEWOOD—Christopher J. H.
Phillips & Sons
Zabriskie P. L.
RUTHERFORD—Ahrens, Claus & Co.
Van Roden Frank
SEA ISLE CITY—§Arnett Edw. B.
§Delaney J. P.
§Pfeiffer Clarence
SOMERVILLE—§Gunzelman & Cramer
Hardgrove Wm. (Macadam & Public)
SOUTH ORANGE—§Becker Henry & Sons (Masons)
§Gunzelman & Cramer
Heller Jno. M.
Kernan R. H. & Bro.
SOUTH VINELAND—§Brown Arthur
SPRING LAKE—Moore H. H.
STONE HARBOR—Larsen Contr. Co.
SUMMIT—§Gilchrist David D.
Heims F. W. (Masons)
§Kelly & Boland
Lamb John J.
§Stryker A. A. & Son
TENAFLY—Brewster Geo. M. & Son
Westervelt Geo. E.
TOWN OF UNION—Dennehy Thos.
De Riso Bros.
§Vroman J. E. Co.
TRENTON—Bugbee Newton A. K. & Co.
§Burton & Burton (Masons)
Case Andrew J.
Donegan Thos. F. (Mason)
Dugan Dan A.
Freedman Louis
Hurley Jno. H. (Sewer, etc)
Lawton Lewis & Son (Masonry, Kiln Bldrs)
Martin Jos.
Mather S. W. & Sons
§Morris W. J.
Reeger Ed
Rees, Taylor & Co., Inc. (Concrete)
Voorhees A. C.
VERONA—Bahr Chas. (Excavating & Grading)
Brown Ed. B.
Farrand Teo. S.
VINELAND—Foulk Walter L.
WASHINGTON—§Lance Arch
WEEHAWKEN—Roman Otto E.
WEST HOBOKEN—Clinton Constr. Co.
Kleinke Aug.
Murphy Jos. & Son
WEST NEW YORK—Mazzoni R.
WEST ORANGE—§McElnea Henry
§Vogel Adolph
§Wolfe & Jelson
WILDWOOD—§Bonham Winchester
McEwen Jos. Jr.
§Reeves Mark B.
WOODBRIDGE—Treen John, Jr. (Mason)
WOODBURY—Allen Thompson
Best Jos. B.
Henry Edw. P.
WOODSTOWN—§Seagraves & Purtel

## NEW MEXICO.

ALBUQUERQUE—§Gertig E. A.
§Hayden A. W.
§Lemke E.
McGaffey Co.
McQuade J. W. (Building, etc)
Sawtelle M. P.
SANTA FE—§Campbell Bros.
§Digneo Carlos (Mason)
§Windsor A.

## NEW YORK.

ALBANY—§Bame & Cardell, 176 Warren
*Boland C. P. & Co., 36 State
Cassidy & Gallagher, 73 Elm
Central N. Y. Concrete Co., Inc., 100 State
Collins John M., 82 State
§Davis Chas. J. Bldg. Co.
Dillon Edward F., 5 N First
Dollard M. F. (Grading)
§Dyer Jno. Jr. (Docks, etc), 6 S Pearl
§Feeney & Sheehan Bldg. Co., 164 Montgomery
Finke Bros., 302 Central av
Finn James J. & Son, 9 Cuyler av
Ft. Orange Const. Co., 61 Columbia
Fulton Bros (Mason), 19 Warren
Gander A. & Sons, 14 Osborn
Kantrowitz Morris, 20½ Market
§Keeler Peter Bldg Co., 425 Orange
Kolb Portable Bldg. Co., 30 Church
Little & Zengen, 284a Quail
McCann Bldg. Co., 68 State
Panzieri A. Co., Inc., 50 Beaver
Pasquini Attilio, 208 Sherman
Randerson John P. (Dredging, etc), 51 State
§Ryder M. L. Bldg. Co., 362 State
§Sewell R. P. & Sons, 540 Hudson av
Shaugnessy Const. Co., 372 B'way
†Sheehan Wm. G. Const. Co., 28 De Witt
Siems Carey H. S. Berbaugh, Inc. (Railroad), 120 B'way
St. Lawrence Constr. Co., Inc., 36 State
§Stephens Thos. & Sons, 275 Lark
United Const. Co. (Bridges, etc), 27 James
§Waldbillig John B., 425 1st
Walker Jos. Const. Co., 90 State
ALBION—Belson Henry C.
§Buell Ward S.
§Grear P. L.
§Harris Geo. D.
§Hucknall Thos. (Road)
§Phillips Fred, Sr. (Mason)
AUBURN—§Brayer Bros., Smith block
§Defendorf Chas. J.
Koon E. B. & H. J. (Masons), 31 Mill
Shaver Bros.
§Stuart Wm. A.
§Williams Luke
BABYLON—Howell E. W.
BATAVIA—§Cummings J. C.
§Dellinger Edward
Ditzel & Ward (Masons)
§Glade John & Sons
§Pickert John
BINGHAMTON—Davis & Coleman Co. Inc.
Ford M. I. Co.
Gaylord Engng. & Constr. Co.
Jones-Beers Co.
§Lewis John L.
Mitchell & Co.
O'Neil Geo. F.
O'Neil Jas.
Parsons Constr. Co., Inc.
Tyne & Willey
Willey A. L.
BROCKPORT—Cleveland & Sons Co.
BUFFALO—Albrecht John (Mason), 167 Grace
American Concrete Paving Co., 166 Georgia
Anderson Aug. E., Prudential bldg
Barber Asphalt Paving Co. (Street, etc.), E Delavan av & Belt Line
Barnwell C. P. Contracting Co., 398 14th
Baynes Wm. J. Co., Inc., 143 Hampshire
Beck Herman, 325 Winslow av
Beecher Scott M., 1054 Lovejoy
Berrick's Chas. Sons Co., 1151 Main
Bird Christopher (Excavating), 95 Greenwood pl
Borkenhagen A. & Son, 175 Norwalk av
Boseck Otto M., 99 Mariemont av
Brown Thos. Contracting Co. (Excavating, etc.), 1135 Niagara
Buffalo Dredging Co. (Dredging, Sewer, etc.), D. S. Morgan bldg
Burgard Henry P. Co. (Sewer & Public), 1968 Fillmore av
Burke Jas. J., 336 Katherine
Busch & Percival (Engineers & Contrs), Brisbane bldg
Chesley, Earl & Heimbach, Inc. (Pile Driving, Excavating, Railway & Factory Building, Concrete, Masonry, etc.), 20 Breckenridge
Cohen Frank L. (Paving), Pearl & Church
Cold Springs Constr. Co., 528 Ellicott sq
Constantine Constr. Co., 240 Dewey av
Cowper John W. & Co., Fidelity bldg
Crescent Concrete Co., Erie Co. B'k bldg
Crooker B. I. Co., Builders Exchange
§Dadswell Arthur L., 334 E Ferry
Danforth John W. Co. (For Mechanical Equipment), 70 Ellicott
Dark & Co. (Sewer, etc.), 654 Main
Delmonto Paving Co., (Paving), 1537 Fillmore av
Dill Wm. H. Co., 153 Masten av
Dwyer J. W. & Son, Ellicott sq
Eagan & Dougan, Mutual Life bldg
*Eastern Concrete Steel Co. (Reinforced Work, Sewers, etc.), D. S. Morgan bldg
Erie Bldg. Co., 1175 Hertel av
Erie Const. Co., Marine Natl. Bk. bldg
Erie Contr. Co., D. S. Morgan bldg
Federal Concrete Co. (Concrete), 2675 Main
Felton Wm. F., 1450 Michigan av
Fimiani Joseph & Son (Masons), 483 Breckenridge
Forbach Christ, 204 French
Forrest Chas., 46 Mohawk
Frailey J. & Bro., 451 Pearl
Frank Peter H. & Son (Masonry), Prudential bldg
Friedman F. J. (Mason), 53 Fox
Frontier Contr. Co., Morgan bldg
Gentile Bros. (Mason), 617 Abbott rd
German Rock Asphalt Co. (Paving), D. S. Morgan bldg
Gibbs John W., Morgan bldg
*Grattan & Lattimer, ft of Main
Grupp Edw. & Son (Mason), 125 Glenwood av
Hager E. M. & Sons Co., 141 Elm
Haist Edw. R., 1701 Main
Hanssel Frank G., Ellicott Sq.
Harrison Engineering & Constr. Corp., Ellicott Sq.
Henrich's Wm. Sons Co., 193 Spring
Herman Geo., 28 Hillside av
Hibbard Frank W., 108 Fargo av
Hoffmeyer Bros., 308 Dearborn
Horton D. E. Const. Co. (Pile Driving, Dock Crib & Trestle), Prudential bldg
Hughes Geo. M., 211 E Utica
Huntley & Derdinger Corp., Electric bldg
Hydro Construction Co., Mutual Life bldg
Johnson John Constr. Co., 765 Abbott rd
§Kempf Geo. Sons, 823 Virginia
Klopp John F., Ellicott sq
Koelle Aug., 61 Bissell av
§Krantz John J., 283 Walden av
Lackawanna Bridge Co.
§Lanctot Clyde H., Ellicott sq
Lathrop, Shea & Henwood Co., 428 Ellicott sq
Linwood Constr. Co., Marine Nat'l Bk. bldg
Maltby Geo. W. & Sons Co., 21 Maryland
Mayer Albert A. (Concrete), 2128 Fillmore av
Metz Bros. Co., 1295 Fillmore av
Metzler Wm. G. (Mason), 28 Paul pl
Monarch Engng. Co., Cham of Com bldg
Morris & Allan (General), Builders' Exch
Mosier & Summers (General), 1266 Seneca
Mumm Fred J. Contracting Co., 174 Best
Nevinger Dan'l D., 1259 Abbott rd
Niederpreum Bldg. Co., 1170 Jefferson
O'Day John (Marine Contr), 90 Miami
Parks Geo. & Sons Co., 217 15th
Peckham Const. Co. Inc., Niagara Life bldg
Progressive Structural Steel Co., 504 Bailey av

NEW YORK—Buffalo—continued
Pugell John, 207 Loepere
Richter Joseph & Son, 863 Glenwood av
Riemer Otto, 63 French
Rhode Wm., 680 Elm
Rossney Contrg. Corp., Mutual Life bldg
Sansom & Nagel (Mason), Iroquois bldg
Schaaf Co., Mutual Life bldg
Sherrill Chas. L., Morgan bldg
Smith W. G. (Sewer), 15 Florence
Spire & Prior (Paving, Sewer, etc), Ellicott sq
•Stabell Jos. F. Co. (Sewers, Public & R R Works), 1127 Niagara
Stanley Constr. Co., 6 S Division
§Stokes Bros., 50 Brayton
Suor & Suor Bldg. Co., Builders' Exch
Tifft Constr. Co., Iroquois bldg
Tunmore A. E., 496 W Utica
Turner Construction Co., 11 Goodell
Wagner Peter & Son, 384 Herman
Williams Robt. E., Iroquois bldg
Wittig A. F., 2554 Bailey av
Ziegler A. & Son, 164 Edward
CANANDAIGUA—Rouse George & Son
Smith Hugh M. & Son
CATSKILL—Holdridge Geo. W. & Co. (Street)
CLYDE—Tuck C. H.
COHOES—Buchanan Wm. D.
Byron, Forman & Riggs, Inc.
Grattan T. F. Co.
Neary J. H. & Sons
O'Clair John
CORNING—Bradley John C.
Corning Building Co.
§Drehmer H. G.
§Runner D. M.
CORNWALL—§Taylor Harvey R. Building Corp. (General)
CORTLAND—Beers & Warfield (General)
DOBBS FERRY—§Creedon Michael
Hasbrouck Garrett
Odell Geo. W.
DUNKIRK—Aldrich Benj. F.
Dunkirk Const. Co.
Dunkirk Mason & Contr. Co.
Lake Shore Constr. & Supply Co.
Meister Contr. Co.
§Richardson Ernest F.
§Taylor John A.
Union Builders Co-Operative Contr. Co.
ELMIRA—§Cunningham John
McGreevy, McGuigen & Baum Const. Co.
Pulford Dempsey Const. Co.
Thurston & Haskell
Welliver W. H.
FREDONIA—Goggin Patrick
Lyne S. T. (Paving & Sewer)
Sardeson John
GENEVA—Benjamin Chas K.
Brennan J. W. Constr. Co.
Dove Wm. G.
Finn Jas. E.
Frautz Wm. H. (Mason)
Henry J. G.
Henson R. W.
Hilkert A. B.
Nagel Samuel
GLENS FALLS—§Acker J. Fred
§Dubee A. J.
§Fredella Jos.
Glens Falls Brick Co.
Glens Falls Portland Cement Co.
§Goodness J. E.
Rhinelander R. H.
GLOVERSVILLE—Banker A. M. (Paving, etc)
Blowers Frank L. (Cement)
Brace A. E. Construction Co.
Brott H. R. (Mason)
§Dye John K.
§Dye Walter F.
§Finkle J. J.
Lair John M.
Little & Craig
GREENPORT—Reeves W. H. & Co.
HAVERSTRAW—Carson & Furman
Springsteen Bros.
HERKIMER—Newport Const. Co.
HORNELL—Dennison Lee
Greenfield Constr. Co.
Spink Wm. H.
Tucker Seth L.
HUDSON—Cruise Thos.
Panigot C. W.
Van de Carr & Stacy
Weaver Bldg. & Supply Co.
HUDSON FALLS—Flood & Van Wirt Co.
Kingsbury Const. Co.
ITHACA—Driscoll Bros. & Co.
Hillick James Co.
Perry Geo. W.
Spencer & Spencer
§Swartwood C. J.
JAMESTOWN—Benedict & Swanson (Masons & Excavating)
Calahane Jas. P. (Sewer & Conduit)
Chapman & Graham, Inc.
Haas Chas. C.
Jamestown Construction Co.
Lawson J. F.
Lindbeck Chas.
Mahoney Thomas (Paving, Sewer)
Mahoney & Swanson (Bridges, Concrete)
Shellberg & Lawson
§Swanson Chas.
Warren Construction Co.
JOHNSTOWN—Currie Marvin & Son (Mason)
§Hess Jonah
§Howarth G. H. & Son
§Nolan Bros.
§Seaman Jas. & Son
§Simmons P. M.
KINGSTON—Campbell & Dempsey Co. (Public Work & Masonry)
Dederick A. E.
Hunt Bros.
Mauterstock Albert
Osterhoudt P. C. & Co.
Swart Elmer E.
LACKAWANNA—Crosta J. H.
Strack Fred C. (Sewers, etc.)
LANCASTER—Adolf Joseph
Ott Bros. (Paving, etc)
Wendell Michael
LAWRENCE—Smith John H. Co.
LITTLE FALLS—Berrigan William J.
Hallinan Bros. (General)
McCaghey P. B. Co.
LOCKPORT—§Blackley L. J.
Moon John
Nottleman Wm. J.
O'Brien Andrew M.
Stainthorpe C. N. & Co.
Whitney Harry E. (Concrete)
LYONS—Bramer E. L.
Sherman, Stalter
MALONE—§Duffin John
Murtagh P. J.
MEDINA—Lindke John
Sanucci Paola (Mason)
Schuyler J. P.
Soucie A.
MEMPHIS—Paddock Frank E.
MOUNT VERNON—§Barbaresi A. & Son
§Borgwald John (Masons)
§Borgwald Wm.
§Durr Sebastian
Evans S. T.
Guarino Contr. Co. Inc.
§Haag Jacob
Jenks & Plume (Masons)
§Kain Jas. R.
§McCarten A. J.
Nordone Frank
§Robinson Harry J.
§Robinson W. J.
§Sergeant Wm. H. (Mason)
Stolz A. G.
§Tegan Owen J.
Transit Constr. Co.
§Ultcht A. A.
Weldon Geo.
NEWARK—Schuman O. E.
NEWBURGH—Burhans Lewis
Creveing Whitfield
Metrusty, David (Mason)
Newburgh Planing Mill Co.
Parrott Wm. (Dock & River)
Theall W. L.
§Todd Jas.
§Tweed & Woodruff
Wilson J. D.
NEW ROCHELLE—Bantel M. (Mason)
Cameron Peter A.
§Doyle John
Ensinger Contr. Co.
§Kirchoff A. G. J.
New F. J.
Peterson Bros.
Pioneer Contr. Co.
§Thompson John N.
§Watson Geo.
Wilks-Casey Engng. & Contr. Co.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Ajax Drainage Constr. Corp. 60 Herkimer
Amsel Constr. Co. Inc., 927 B'way
Anderson's John D. Sons, 952 Greene av
Armendinger M. & Son, 1153 Myrtle av
Ashfield F. J. (Large, 350 Fulton
Borough Development Co., 186 Remsen
§Brown Henry J & Son, 1534 Fulton
§Brown Rufus H. Inc., 350 Fulton
§Bruchhauser Henry & Son, 130 Ellery
Buckley Washington, Inc., 94 Emerson pl
§Calder Wm. M., 1648 11th av
Cashman John J., 44 Court
§Chatterton Jas. M., 108 S 8th
Clarke T. A. Co., 122 Livingston
§Cleary Peter (Large), 115 Marion
Cranford Charles, 186 Remsen
Cranford Co. (Paving), 52-9th
Cronin Barth S. Co. (Dock & Public Works), 573 Clinton
Dady M. J. (Public Works), 350 Fulton
§Diamond Bernard, 12 Bergen
§Diedrick Aug., 97 Van Buren
Donegan D. Co., 5904 14th av
§Donlon Thos. Co., 294 Butler
§Dooley C. L. Inc., 257 Adelphi
Driscoll Geo. F. Co., 548 Union
Empire Engineering Co. Inc. (Railroad), 6 Church
§Felgenhauer Frank J. Co., 4 Court sq
§Ferguson Robt. B. (Large), 254 Lee av
§Fitall John C. Co., 181 Putnam av
§Franz Chas., 365 Kosciusko
§Fraser & Berau, 1761 Fulton
§Gallagher B. & Son, 134 B'way
Gallagher Frank J., 490 Park pl
§Greenman Wm. B., 350 Fulton
§Guthy Peter, 926 B'way
Hossack Bros., 62 Schermerhorn
§Hough Sam'l L. (Large), 344 Roebling
Jung Fred'k, 316 Evergreen av
Kennedy Wm. Constr. Co., 215 Montague
Kleinert Albert E., 316 Flatbush av
Kordes Hy. E., 243 Moffat
McCormick Thos. E., 810 Lincoln rd
§McGarry W. P. Co., 306 Freeman
§MacArthur Jas. Co., 22 Ormond pl
§Maguire Edward J., 1263 Atlantic av
§Masem Nicholas & Co., 369 Troutman
§Miller Wm. G., 16 Bedford av
§Moore Wm. D. & Sons, Winthrop
Nelson John F., 693 Hicks
Newman & Carey Sub. Const. Co., 1228 Nostrand av
§Norton & Gorman (Public Works), 301 Douglas
O'Rourke John H. Co., 264 79th
Otis H. F., 488 Clermont av
§Roberts, Nash & Co., Inc.
Rocker Henry, 357 Crescent
§Rush Frank H., 393 Greene av
§Scala Vincent, 73 Carroll
§Schaedle Geo. W., 144 Devoe
§Schlachter Henry, 348 Alpha pl
§Schneider Christ & Son, 1251 De Kalb av
Schubert Bernard, 155 Jamaica av
Shipley Constr. & Supply Co., Columbia & Warren
§Smith Howard J. & Son, 256 St. James pl
§Smith & Thompson, 47 Park pl
Strype Richard, 40 Coffey
§Thatcher Jno. & Son, 60 Park av
Thompson Wm. R., 825 Marcy av
Tunison Willard E., 262 Greene av
Veit Herman, Inc, 260 De Voe
Warwick & Collins, 108 S 8th
§Zimmermann Louis, 27 Logan

### Manhattan and The Bronx.

NEW YORK—A. D. Standard Contrg. Co., 225 Lexington av
§A. J. Contr. Co., Inc., 101 Park av.
§Abbott E. T. Construction Co., 1135 B'way
§Adams Albert L., 217 E 5th
Adams Chas. J. & Sons, 24 Gold
§Adamson J. H., 57 Ann
§Alexander Robert, 130 W 24th
Almion Engng. & Contr. Co., 25 Church
Altieri Constr. Co., Inc., 888 E Tremont av
Ambursen Constr. Co. (Dams, Bulkheads, Power Houses & General Hydraulic Const), 61 B'way
§American Bridge Co., 30 Church
Ames Contr. Co., Inc., 236th & Kingsbridge
§Amsterdam Building Co., 140 W 42d
Andrews Bldg. Co., 1475 B'way
Architectural Contrg. Co., 101 Park av
Asphalt Construction Co. (Paving, etc), Madison av & 137th
§Auletta Constr. Co., 103 Park av
§Austin Co. (Industrial), 217 B'way
Barney-Ahlers Construction Corp., 110 W 40th

Barstow W. S. & Co. (Gas, Electric & Power Plants), 50 Pine
§Battery Engng. & Constr. Co., 17 Battery pl. (Tunneling)
Beaumont G. B. Co., 286 5th av
Beaver Engng. & Contr. Co., 51 Church
§Beers Isaac, 123 E 23d
Bergen & Lindeman 140 Liberty (Chimneys)
Berlin Construction Co., 220 B'way
Best H. D. Co., 52 Vanderbilt av
§Bing & Bing Constr. Co., Inc., 119 W 40th
Bishop J. W. Co. (Bldg, etc), 101 Park av
§Blatch M. S., Inc., 50 E 42d
Booth & Flinn, Ltd., 17 Battery pl
Bouker Contracting Co., 24 State
Boyle Frank & Sons (Masons), 154 E 40th
Bradley Contracting Co., 1 Madison av
§Brady John T. & Co. (& Masons), 103 Park av
Braender Bldg. & Const. Co., 315 4th av
Breen Michael, 1362 Inwood av
§Breen & Rinn, 624 Madison av
Brennan Peter J. & Son, 624 Madison av
Breuchaud Jules, 290 B'way
Briggs & McLaughlin Contrg. Co. (Sewerage), 337 E. 134th
Broadway Contr. Co., Inc., 4925 B'way
§Bistoslag Paving Co., 90 West
*Brocklehurst & Potter Co., 1328 B'way
§Broderick Edmund D., 110 W 40th
§Brose Andrew, 42 W 23d
Brown Elliot C. Co., 70 E 45th
Bryson Thos. B., 52 Vanderbilt av
Buckley Jeremiah, 2233 Creston av
Buckley Thos. J. Construction Co., 303 5th av.
§Bunn & Nase, 1123 B'way
Burnett Engng. & Const. Co., 501 W 145th
Calhoun D. A. & Co., 52 Vanderbilt av
Campbell Christopher, Inc, 286 5th av
§Cane W. H. & F. W., 233 B'way
Carleton Co., 151 W 42d
§Carlin P. J. Const. Co., 1123 B'way
*Carter Const. Co., 42 B'way
Casey Richard H., Inc. (Large), 246 W 16th
Cauldwell, Wingate Co., 381 4th av
Cement Gun Constr. Co., 149 B'way
§Champion & Levien, Inc., 48 E 10th
Chapman Robt. & Co., 1874 Park av
*Clark & Co. (Public Works), 225 5th av
Clay Contr. & Bldg. Matl. Co., 369 E 167th
Cluse Robt. J., 3d av & 148th
§Cogan J. F. C., 233 B'way (Sewer & Water Works)
Colon George & Co., 81 E 125th
Comerma Co., 114 Liberty
†Commercial Const. Co., 8 Bridge
Comstock L. K. & Co., 21 E 40th
§Conners Bros. Co., 64 W 88th
Connolly Jas., 355 Rivington
Conrady M. J., 475 Greenwich (Masons)
Consolidated Telegraph & Electrical Subway Co. (Subway, etc), 54 Lafayette
Constant P. J., 277 B'way
Construction Service Co. (Engrs & Contrs), 15 William
Contessa Vito, 311 E 119th
Cook F. A. & Son (Mason), 127 W 40th
Cooper Hugh L. & Co. (Water Power Construction), 101 Park av
Cornell J. N. H., 29 B'way
§Corning Edward Co., Vanderbilt av & 45th
§Corson George W. & Sons, 210 E. 89th
Cotter T., 2364 Tiebout av
§Cowen Chas. A. & Co., 30 E 42d
Cox P. T. Contracting Co., Inc., 154 Nassau
Cramp & Co., Inc. (Large), 25 E 26th
§Crawford Wm., 5 E 42d
§Crimmins Thos. Contr. Co. (Municipal & Public), 444 E 69th
Crockett W. & W. F., 306 E 59th
Crow Wm. L. Const. Co., 103 Park av
§Cruishank Clinton M., 103 Park av
Cuban Eng. & Contr. Co., 17 W 42d
Cunningham T. Co. (Sewer & Public), 608 E 15th
§Cunningham & Foley, Inc., 219 W 116th
*Cuozzo D., 21 Park Row
Curtin-Ruggles Co., 39 Cortlandt
§Daarf Contrg. Corp., 117 W 25th
§Dall J. Const. Co., Grand Central Term.
Daniels Oscar Co., Woolworth bldg
Dawson & Archer, 15 E 40th
§Deeves J. H. & Bro., 103 Park av
§Deeves Richard & Son, 309 B'way
*†Degnon Contr. Co. (Public & Marine), B'way & Chambers
§Deisler J. G., 105 W 40th
Dempsey Chas. J., 218 E 87th
Dempsey W. J. (Excavating), 103 Park av
Denneen C. A. Co., 42 B'way
De Pasquale Salvatore M., 2975 Marion av
§Devlin John O. Construction Co., 233 Broadway
Dickson & Turnbull, 421 W 54th
§Dinnebeil Bros., 200 5th av
Dollan Jos. Contrg. Co., 25 W 140th
§Downey Jno. I. (Est. of), 410 W 34th
Duffy Contrg. Co. (Excavating), 633 W 46th
Dugan Geo. A. & Co., 200 Fifth av
Dunn & Sheridan, 16° E 32d
§Durkin Jno. J., 851 11th av
Eagle Building & Construction Co., 405 E 117th
§Eastern Const. Co., 110 W 40th
§Eaton Brown & Simpson, Inc., 90 West
§Eberhardt & Podgur, 505 5th av
Egan Jas. F. Co., Inc., 162 W 20th
§Eidlitz Marc & Son, 30 E 42d
Engineers Corp., 43 Exchange pl
§Exner Paul J. & Son, 109th & E. R.
Falk Frank Co., 60 Old Broadway
§Farley Jas. A., 569 5th av
Fearon F. G. Co., 280 Madison av
Ferguson Jno. W. Co., 253 Broadway
§Ferguson Thos., 192 Bradhurst av
Figliuolo J., 719 Union av
Field Contracting Co., 40 Manhattan av
§Fisher Geo. A. Co., 600 W 144th
§Fissell Wm. H. & Co., 1328 Broadway
§Flanagan Wm., 118 E 28th
Fleischmann Const. Co., 531 7th av
§Flickwir & Bush, 1 Madison av
§Fogliasso-Clement Bldg. Co., 197 Bleecker
§Ford Bacon & Davis Corp., 115 B'way
Foundation Co. (Engineers & Contractors, Caisson & Bridge Foundations, Sea Walls, Excavations, Tunnels, Mine Shafts, etc), 233 Broadway
§Fountain & Choate (Large), 114 E 23rd
Fox Henry E. Const. Co., 81 E 125th
Frankin Contracting Co., 52 Vanderbilt av
Fraser-Brace & Co., 1328 Broadway
Fried Jos., 530 E 71st
§Frymier & Hanna Co., 25 W 45th
Fuliam Constr. Co., 103 Park av
§Fuller Elam H., 416 W Broadway
§Fuller Geo. A. Co., 175 5th av
§Gabler Const. Co., 402 Hudson
Gallick Jos., 469 Concord av
Gallin Jno. & Son, 6 Gold
§Gallagher & Co. (Mason), 501 W 145th
Galligan Thomas, Inc., 518 E 23d
§Gamp Hy. S., 1935 Clinton av
Garry Jos. & Son (Public Works), 418 E 25th
Garvey Bros., 1911 White Plains rd
*General Contracting & Engineering Co. (Railroads, Piers, Docks, Bulkheads & Harbor Improvements), 29 Broadway
§Gescheidt Jacob & Co., 142 E. 43d
Gest Guy M., 237 Broadway
§Getty Hugh, 359 W 26th
§Gilbert Wright L., 144 Chambers
§Giles Drilling Co., Inc., 30 Church (Core Boring)
*†Gillespie T. A. Co., 50 Church
§Gillies, Campbell Co., 101 Park av
Goble Frank N., 1 E 42nd
Godwin Construction Co. (Harbor Improvements), 251 Fourth av
Goodman Contracting Co. (Water, Gas & Drainage), 263 E 133rd
Gradwohl F. Engng. & Contrg. Co., 101 Park av
§Grant Contracting Co., 7 E 42d
§Green Warren E. Co., 29 W 38th
Greenberg & Bartlett, 103 Park av
Greenwald & Pollak, 30 E 42d
Gregorio Nicholas & Co., 860 E 228th
§Groll P. J. Constr. Co., 145 E 53d
Gross & Herman, 529 W 158th
Grymes Engng. Co., 17 Battery pl
§GUARANTEE CONSTRUCTION CO., 92 West
Guarino Fortunato (Excavating), 254 E 110th
§Guidone A. L. & Son, 52 Vanderbilt av
Gussaroff Realty & Cons. Co., 601 W 149th
Haas's Julius Sons, 436 E 67th
Hale & Cameron, 7 E 42nd
Hall Charles Ward, 140 Nassau
Hallahan & Ahearn, 271 W 125th
§Hamilton A. & Son, 2490 Tiebout av
Hanover Contrg. Co., 21 Park av
Handy Bros., 106 Field pl
Hanover Contracting Co., 21 Park Row
Harbater & Silk, 106 W 13th
Harby, Abrons & Melius, 30 E 42nd
§Harperly Hall Co., Central P. W. & 64th
Hart Jas. A. Co., 256 Broadway
†Hatzell & Buehler, 373 4th av
Hazell A. M. Inc., 26 Cortlandt
Heaphy A. C., 308 W 103rd
Hearn John J. Const. Co., 1036 6th av
Hedden Const. Co., 52 Vanderbilt av
Helbock C., 633 Wales av
§Henderson Alex., 305 W 21st
Henry Contracting Co., 633 W 47th
Hermanns, Madden & Co., 103 Park av
§Herrman's Philip Son, 409 W 14th
Hickey Contracting Co., 841 Broadway
§Hidden Constr. Co., 52 Vanderbilt av
Hilliard Const. Co., 7 E. 42nd
§Hines Frank H., 128 W 124th
Hoggson Bros. (Inc.), (Bank), 485 5th av
Holbrook, Cabot & Rollins Corp., 52 Vanderbilt av
Hollerlith Building & Contracting Co., 1298 Union av
§Holmes Bros. (Underwriters' Works), 256 Broadway
Hopper Jno. J. Inc., 217 W 125th
§Hopper Thos. T. Co., 280 Madison av
Horn Edward C. Sons, 1476 Broadway
§Howes R. H. Const. Co., 105 W 40th
§H. & T. Constr. Co., 105 W 40
Hudson Companies, 111 Broadway
§Hughes Bros., 1123 Broadway
§Hupfauf Herman, 7 E 42d
*Hyde Frank D., 90 West
Indelli & Conforti Co., 847 Bryant av
Industrial Engng. Co. (Engrs), 30 Church
Ingersoll Engng. & Constr. Co., 70 E 45th
Irons & Todd, 101 Park av
§Isear Meyer, 481 E 174th
§J. H. M. Const. Co., 54 Maiden la
Jacob & Youngs, 116 W 32nd
§Jennings & Welstead Corp., 237 E 41st
Jobson-Gifford Co., 30 E 42d
§Johnson A. V. & Co., 1123 Broadway
§Johnson Chas. O., 240 10th av
§Johnson Robt. Inc., 204 E 58th
Johnson Sherrane Co., 103 Park av
Kandel Concrete Co., 100 W 117th
Kearns P. J., Contracting Co., 2306 Creston av
§Kelley Samuel D., 4 Gold
Kennedy Jno. & Co., 1133 Broadway
Kenn-Well Contracting Co., 841 B'way
Ker, Norman Co., 1123 B'way
Kerbaugh-Empire Co., 6 Church
Kerner Contr. Co., 405 Lex. av
§Kerwin Andrew J. Jr., 1133 B'way
§Ketcham Tredwell, 424 E 165th
Kidde Walter & Co., Inc., 140 Cedar
§Klappert's C. W. Sons, 328 E 25th
§Kleban Louis E., 1714 Crotona pk E
Klingberg W. & Son, 50 Church
Knight & De Micco (Excavating), 2353 Wash. av
Knopp Bernard, 431 W 41st
§Kovalsky Bros., 7 E 42d
§Krulewitch E. M., 30 E. 42d
Lackawanna Bridge Co., 2 Rector
§Laimbeer John Jr., 103 Park av
Lanigan Bros., Bronx River & 165th
Lanman Wm. H., 165 Broadway
Larkin Michael & Son, 519 E 16th
Lawless Bros., 1072 3rd av
Lawrence Contrg. Co., 2409 Walton av
Leahy M. H. (Sewer & Public), 1446 Prospect av
Leahy Thos. Bldg Co., 137 E 25th
§Leddy & Moore, 105 W 40th
Leonard Const. Co., 17 Battery pl
Leopold J. & Co., 233 Broadway
Ley Fred T. & Co. Inc. (Power Houses, Conduit Work, Bridges, Sewers, Water Works, Dams, High Tension Works, Roads, etc), 19 W 44th
§L'Hommedieu's J. H. Son & Co., 132 Madison av

NEW YORK—New York—continued

§Libman Construction Co., 112 W 46th
Lippe Contracting Co., 52 Vanderbilt av
§List Alex. & Sons, Grand Central Term.
Logan Construction Co., 13 Park Row
§Longacre Constr. Co., 185 Madison av
§Lowry John Jr., 8 W 40th
§Lustbader Construction Co., 328 E 103d
§Lustig & Weil, 103 Park av
§Luyster Cornelius W, Jr., 35 Nassau
§Lynch Constr. Co., Inc., 52 Vanderbilt av
§Lynch V. & Co., 13 Park Row
§Lyons J. C. Sons Co., 30 E 42d
§McCallum John, 323 E 22nd
McCarthy Jas. F., 80 N Chambers
§McDermott & Hanigan, 120 W 165th
McDonald Chas. W. (Grading), 1910 Webster
McDonough John, 394 Bleecker
McEntee Geo. H., 1123 Broadway
McHarg-Barton Co., 171 Madison av
McKean's Wm. Sons (Masons), 200 E 37th
§McKeefrey John, 1416 Broadway
McKeown Thos. (Inc.), 103 Park av
McKune C. S. Co., 409 W 55th
McMillan Samuel, 250 W 106th
McMorrow Co., 271 W. 125th
McMullen Arthur Co. (Bridges, Caissons, Dams, Docks, Foundations, Piles, Railroads, Steam Shovel & Tunnels), 149 Broadway
McCullen-Snare & Triest (Inc.), Lexington av & 131st
McQuillan Bernard Co. (Public Works), 437 E 65th
McShane Jas. (Excavat'g), 251 E 62d
§McWalters Jas & Sons, 1493 B'way
MacArthur Bros. Co. (Inc.), Equitable bldg., 120 B'way
MacArthur Concrete Pile & Foundation Co. (Concrete Foundations), 120 B'way
MacArthur, Perks & Co., Ltd., 120 B'way
§Maher Frank W., 501 5th av
§Mahony Bros., 473 W 153d
§Mallett Contracting & Supply Co., Walker av & Kirk
§Marmac Const. Co., 316 W 30th
Marrin E. & J. Co., 520 E 18th
Mason Hilton & Co., 120 Liberty
§Mason & Hanger Co., 52 Vanderbilt av
§Maxim Const. Co., 36 W 57th
Meads Chas. & Co., 38 Park Row
§Melillo Const. Co., 4215 3d av
Melrose Constr. Co., 103 E 125th
Meyer & Martin, 118 E 88th
Meyer Contracting Co., 1182 B'way
Milance Dominic (Excavating), 218 E 183d
Millbrook Co., 481 Morris Park av
§Miller-Reed Co., 103 Park av
§Miller & Dyatt Co., 47 W 34th
§Minter E. W. & Co., 115 B'way
§Mitchell Jas. E., 332 W 24th
§Money Chas., 52 Vanderbilt av
Mongo Geo. & Son (Mason), 482 Jackson av
Monks John & Sons (Dock, Bridge & Harbor), 82 Beaver
Monks-Ripley Pile Co., 82 Beaver
§Moody Engng. Co., 90 West
§Monks Wm. C., 503 5th av
Mooney Jas. J., 333 E 24th
Moore's A. Sons, 423 W 50th
§Morison David, 119 W 33d
§Mueller John Co., 302 E 87th
Mufson M., 115 Norfolk
Mungo A., 391 E 149th
§Murdock Harvey, 10 Wall
Murphy Bros., 30 E 42nd
Murphy Const. Co., 13 E 125th
§Murphy Constr. Co., 66 B'way
§Nash S. H. & Sons, 364 E 142d
National Excavation & Foundation Co., 507 5th av
Naughton Const. Co., 76 William
New York Submarine Cont. Co., 15 Whitehall
Nicola Andrew & Co., 50 Church
§Niewenhous S. Inc., 412 8th av
Norcross Bros. Co. (Public Works), 103 Park av
North Eastern Const. Co. (Engngs), 225 5th av
O'Brien Bros. (Inc), Pier 11, E R
§O'Brien P. M., 114 Liberty
§O'Connor Francis X, 253 W 47th
§Oddie H. H. Inc., 251 4th av
§O'Keefe Jno. J., 1 Hague
O'Leary John, 991 E. 167
Old Colony Constr. Co., 103 Park av
§Olsen O. Herman, 1558 Crotona pk E
*O'Rourke Engng. Const. Co. (Pneumatic & Other Foundation, Tunnels, etc), 17 Battery pl
§Oscawana Bldg Co., 101 Park av
§O'Shea W. L. & G. H., 29 B'way
P. & L. Contrg. Co., 299 B'way
Page Fred. Contracting Co. (Mason), 115 B'way
Paladino Contr. Co., 339 E 115th
Parker John H. Co., 315 4th av
§Parkinson Charles, Inc., 67 Greenwich
Pasquini Attilio, Madison av & 42nd
Paterno & Son Contg. Co., 383 Madison av
Patrizio & Hendrickson, 340 E 27th
§Paul Edw. E. Co., 101 Park av
§Peckworth C. H. & R. C., 529 Hudson
Pennington C. S., 438 W 45th
Pennington Prince A., 138 W 31st
Pettit S. P., 110 W 34th
Phillips & Worthington, 90 West (Water Works)
Phoenix Const. Co. (Foundations), 41 Park Row
§Pittsburgh Bldg Co., 787 5th av
Pisanelli Gennaro, 3553 Olinville av
§Polhemus P. B., 110 W 34th
§Pollock Robt. S. Co., 118 E 28th
Polzella Frank D., 512 Cortlandt av
Post & McCord (Inc.), 101 Park av
§Potterton Bros., 215 W 28th
Public Service Const. Co., 30 Broad
Purcell & Gilfeather, 513 W 40th
Qualey J. S., 25 Pine
Rae Thos. & Son, 253 W 27th
Rafferty Contracting Co., 624 W 52d
§*Railway & Power Equipment Co., 233 B'way
Rangely Constr. Co., 405 Lexington av
Rapid Transit Subway Const. Co., 1st av & 32d
Raymond Concrete Pile Co., 140 Cedar
§Reid M. & Co., 114 W 39th
Reid-Palmer Const. Co., 30 E 42nd
§Reinhardt Bros., 645 5th av
*Reynolds Clifford W., 50 Church
Reynolds T. H. Contracting Co., 18 Park Row
§Rheinstein & Haas, 21 E 40th
Rice Laurence J., 405 Lexington av
*Richards & Gaston, 143 Liberty
§Richmond & Daniels, Inc., 90 West (Cold Storage Plants)
§Riger Const. Co., 507 5th av
Robert & Co., 1874 Park av
§Roberts Jno. B. & Co., 3 W 29th
§Roberts P. & Co., 37 Sullivan
§Robinson Andrew J. Co., 123 E 28rd
Robinson Dwight P & Co., Inc., 125 E 46th
*Rodgers J. C. & Son, 271 W 125th
Rodgers & Hagerty, 103 E 125th
Rogers Geo. W. & Co. (Harbor & Dock), 29 B'way
Rollin Construction Corp., 90 West
Ross Donald, 459 7th av
§Rossell I. S., 1 Madison av
§Ruddell Geo. W. Co., 30 E 42nd
Rust Engineering Co., Havemeyer bldg
Ryan Peter J. Bldg. Co. (Large), 314 W. 44th
§Ryan Patrick Const. Corp., 27 Cortlandt
†Sanderson & Porter (Power & Lighting Equipment, etc.), 52 William
Savage W. E. & Co., 39 Liberty
Schaefer Construction Co., 5 W 31st
Schmidt Wm. (Excavating), 306 E 159th
Schuh Chas. P. (Mason), 8 Albany
§Schwarzler A. J., 369 E 167th
§Shapiro M. & Son, 299 B'way
Shoemaker Lewis F. & Co., 256 B'way
Silver Const. Co., 411 E 8th
Sinclair Rieger Co., 237 E 41st
§Sloane & Moller (Large), 316 E 65th
Smith Clarence L. Co. (Excavating, etc), 30th & 11th av
Smith & Leo, Inc., 101 Park av
Smith F. V., Inc., Lafayette av & Westchester Creek
§Smith, Hauser & MacIsaac, Inc., 18 E 141st (Excavating)
§Smith Robert W., Corp., 30 Church (Roads & Bridges)
Smyth Neptune B. (Inc), 417 E 34th
Snare & Triest Co., 8 W 40th (Steel & Masonry), 8 W 40th
Soraci Contr. Co., 170 B'way
Spearin George B (Dock, River & Piling), 90 West
§Spence James, 131 E 18th
Springsted & Adamson, 434 E 107th
Spuyten Duyvil Constr. Co., 271 W 125th
§Staker Chas. E., 667 E 219th
Standard Bitulithic Co., 50 Church (Wood Block Paving)
Standard Utility Co., 225 Lexington av
§Stanton Geo., 120 Worth
§Starret & Goss, 103 Park av
*Steers Henry (Harbor Work, Piers, Concrete Foundations, etc.), 17 Battery pl
§Stevenson & Cameron, 37 W 25th
Stewart Engineering Corp., 61 B'way
STEWART JAS. & CO. (Inc) (Harbor, Marine & Heavy Buildings), 30 Church
§Story & Flickinger, 5 Gt Jones
Surety Engineering Co., Inc. (Railroad), 30 Church
Sykes George Co., Inc., 70 E 45th
Talbot F. M. Co., 1 Madison av
§Taylor Wm. J. Co., 5 E 42d
Terry Constr. Co., 607 W 51st
Terry & Tench Co. (Inc.), 70 E. 45th
§Thompson-Starrett Co., 138 W 32d
Thornton Bros. Co. (Masons), 1320 Findlay av
Tide-Water Bldg. Co., 16 E 33rd
§Trapp Nicholas H. & Son, 17 Thames
Tredennick M. C., 331 Madison av
Tullis & Blanchard, 326 E 42d
§Tully John J., 305 E 166th
Tully & McInnis Co., Grand Central Terminal
§Turton J. K., 101 Park av
Turner Constr. Co., 244 Madison av
§Udall Jno. C., 29 W 34th
Underpinning & Foundation Co., 290 B'way
§United States Constr. Co., Inc., 1 Liberty (Installing Automatic Sprinkler Systems)
Urban Concrete Co., 30 E 42nd
§Van Aken Chas. H. Co., 148 W 4th
§Van Doorn Wallace & Son, 229 W 36th
§Van Houten Erskine (Mason), 201 E 68th
Van Wagoner-Linn Const. Co., 1133 Bway
Vassiloros Contr. Co., 154 Nassau
Vickers Construction Co., 280 W 113th
§Victoria Bldg. & Contr. Co., 35 W 39th
Volk Albert A. Co., 16 Beaver
§Vought H. H. & Co., Grand Central Terminal
Waite Guy B., 413 E 31st
Waitt Constr., 2 W 45th
§Walker Geo. L. Co., 140th & Convent av
Walton Const. Co., 147 E 125th
Waters Thos. J. Co., 271 W 125th
§Watson Contr. Co., H. R. & Fordham rd
Watson Const. Co., E Tremont av & Westchester Creek
§Watt & Sinclair, 348 W 27th
Webber Construction Co. (Reinforced Concrete Bldgs, Bridges, Tanks, Foundations, etc), 29 W 34th
Weber Louis Bldg. Co., 147 E 125th
§Webster Louis C. & Son, 19 Liberty
§Weeks D. C. & Son, 1123 B'way
Wells Construction Co., 237 5th av
Wells & Newton Co. (Sanitary & Steam Engineering), Ave B & 17th
Wendland C. F. Engng. & Const. Co., 63 W'ster
§Wennemer Construction Co., 103 Park av
Westerberg & Williams, Woolworth bldg
†White J. G. Engineering Corp. (Inc.) Engineers & Contractors, Industrial Bldgs., Power Plants & Public Utilities), 43 Exchange pl
§Whitenack J. Odell, 231 W 18th
§Whitney Co. (Builders), 101 Park av
§Wills Chas. T. (Inc.), 286 5th av
§Wills George B & Co., 101 Park av
Winternitz Albert, 103 Park av
§Wirsing & Son, 2110 Mohegan av
§Wolins & Bull, 214 Fulton
Woods Lewis H. Constr. Co., Canal & B'way
Wright H. P. & Co., 30 E. 42nd
Wright Garret S. (Mason), 415 W 24th
§Yennie Wm. J. & Co., 45 E 42nd
§Yorkville Contr. Co., 430 E 82d
§Young Walter E., 414 W 41st
Zimmermann Jacob A. & Son (Inc.) (Large), 18 E 41st

### Borough of Queens.

FLUSHING—§Cadoo John C. W.
§Haak Wm. A.
Mara P. J. (Docks, etc)
Peace Bros. (Grading, Excavating, etc), 20 Main
§Roberts, Nash & Co., Inc.
Tuohy T. F. & Co., 98 Main
JAMAICA—Bangert Valentine, 34 Orchard
Hoffman Chas.
LONG ISLAND CITY—§Bond Walter J. (Mason), 13 Hallett
§Butler Henry
§Clark & Tunison, 17 Queens
§Clifford Wm. Co. (General), 734 Vernon av
§Couch Wm., Main
§Geiser Jos. & Son, 835 11th av
Just Geo. A. Co., 239 Vernon av
Kelly & Kelly, Inc.
§Sternberg J. & Son
§Thurner Jos. J., 798 Crescent
Touroff & Karp (General), 83 Sunswick
Woodruff C. Curtis & Co., 211 10th
Woodruff John T. & Son, 1 Bridge Plaza
§Zvanovec Frank

### Borough of Richmond.

MARINERS HARBOR—Bailey Wm. D. & Son
NEW BRIGHTON—§Babbitt B. B., 4 Hamilton Park
Cahalane Daniel J.
Hart Charles F.
McIntyre Archibald
§Ripley David (Mason)
§Russell W. H. C.
PORT RICHMOND—Conklin Bros. (Docks, etc), 2080 Richmond ter
Donovan John E., 2205 Richmond ter
Hagaman Andrew
Milnes Jno. Co., Richmond av
§Whitford E. K., 1457 Castleton
STAPLETON—§Fish James
McDermott Wm.
Spruck Henry & Son, 304 Broad
Wolff Philip & Son, 17 Wright
TOTTENVILLE—Brown A. C. & Sons
WEST NEW BRIGHTON—Archer Chris.
Carlin Thos. F.
Darcey D. J.
Donovan John F.
Johnson's Joseph Sons
§Hermandsen Hans
Lynch William H.
Vanderbilt Cornelius General Contrg. Co.

**(End of New York City)**

NIAGARA FALLS—Allen-Smith Co.
Braas Bros. Co.
Brown-Pollard Constr. Co.
Brown & Willie
Douglass A. C. (Shaft Sinking & Tunnel Work)
Finnell John H.
Kilberer F. & Son
Lennan John Son Co.
§Mitchell Wilson Co.
Moyer Chas. & Son
Pitman John
Read-Coddington Engng. Co. (Brick & Asphalt Paving, etc)
Snyder-Gillett Contr. Co.
§Steinbrenner-Fisher Co.
NORTHPORT—§Brush G. W.
NORTH TONAWANDA—King Const. Co.
OGDENSBURG—§Castle C. E. (Mason)
§Feely John (Mason)
Fitzgibbons Jas.
Pooler W. J.
Whalen & Burns
OLEAN—Corsett L. E.
Dean Danford W.
Dugan D. D. & Sons (Paving)
Olean Bridge & Supply Co.
Sheldon J. A.
Taylor B. U. Co.
§Troy Thos.
Wetherell Chester H.
ONEIDA—Avery Geo. F.
§Ballard Wm. M.
Marcellus Geo. A.
OSSINING—§Carpenter Daniel
§Cuatt Wm.
§Emmitt Albert
§Valentine Eli
OSWEGO—§Henrick John
Paine A. & Son (Carpenters)
Raby Peter Contr. Co.
PLATTSBURG—Cook Geo.
Fitzpatrick J. J. & Sons
La Marche & Brault
§Pennington Alfred
PORT CHESTER—Daly & Merritt
Kennedy L. J. & Sons
Mertz F. C.
Mertz's Geo. Sons
Murry Frank E
PORT JERVIS—§Goble Floyd S.
Post G. A.
Raymond F. B.
PORT RICHMOND—(See New York City, Borough of Richmond)
PORT WASHINGTON—Allen Norman O.
§Henderson Edwin
Mitchell John W.
POUGHKEEPSIE—§Carter Fred N.
§Davis Lewis T.
Falkhill Constr. Co., Inc.
Irving & Ackert
§Keating John S.
Kingston & Campbell
§Madsen & Wistoft Construction Co.
§Monfort W. J.
Rouse Const. Co.
§Shover Eugene F.
Slater Jas. H. & Son
§Smith S. R. (Mason)
Van Aken Geo. J.
RIPLEY—§Bryant J. E.
ROCHESTER—Alexander Shumway & Utz Co., 16 State (Building)
Barnard Houston
Brotsch F. V. Co. (Street & Sewer)
*Chambers Ceo. (Sewer, Paving, Masonry, Water Works, Roads), Powers bldg
Chambers & Barnes
Curran-Swartout Co., Inc., Granite bldg (Building)
§Enders P. & Son
Foery & Kastner (Street)
Friederich A. & Sons
Fuller Wm. (Sewer & Street), 83 Adams
Garrison G. B. (Mason)
Gleason Frederick
§Gorsline & Swan Const. Co.
Greece Construction Co.
Hagaman F. L. Co.
Hoffman C. J. & Sons
Holahan Thos. (Street), 164 Lewis
§Hopeman A. W. & Sons Co.
Knapp Homer (Building, etc)
Link Anthony Sons, 654 South av
Ludington Ira M. Sons, Powers bldg
Luther Jno. & Sons, 176 North
§Pike John B.
Rapp F. H.
Ripton M. H. (Street, Sewer, etc.)
Rochester Brick & Tile Mfg. Co., Powers bldg (Brick)
Rossell Geo. C., Triangle bldg
§Salter Thos., 118 Front av
§Sauer F. J.
§Sauer Henry G.
§Sickels H. P. Co.
§Stewart J. L.
Strauchen Ed. (Mason)
Summerhays Wm. & Son (Mason)
Voshall-Percy Constr. Co., C. of C bldg
Whitmore, Rauber & Vicinus (Sewer, Street, Roads, etc)
ROME—§Cary Lawrence
§Perry & Jones
Smith, Grant & Co. & Locher
Zingerline Bros.
SARATOGA SPRINGS—§Case W. J. & Son
§Crocker Harry
Dunn Thos.
§Fitzgerald J. P.
Gaffney B. & Sons (Masonry)
§Ledlie David B. & Son
Parmenter C. R.
§Robertson Wm. S.
SAYVILLE—§Bason Wm. & Son
Strong Nelson
SCHENECTADY—Beckwith Bros.
§Bennett D. & Son (Masons)
Brown & Lowe Co.
Connors J. C. Co. (Paving)
Cook & Ripley
Guthrie Keith O.
§Hannigan John C.
§Hanrahan Thomas M. & Co.
Jeffers J. Allen
Jeffers Lewis
Kellam & Shaffer Co.
§Kinum Henry
La Grange A.
Lewis & Burroughs Co.
McDermott Jno. Co. (Building & Public)
Molony's James Sons, Inc.
Schenectady Contr. Co.
Taylor F. K.
Wellman Walter
Winstone Geo. C. & Son
SILVER CREEK—Kofoed Aug.
Messina D. A.
STAPLETON—(See New York City, Borough of Richmond)
SYRACUSE—†Archbold-Brady Co. (Power & Lighting Equipment, Bridge, etc.)
Barlow Bros., 614 Fellows av
Bonn Sam (Sewers, etc)
§Brown Chas. R.
Burns W. J. Co.
Caswell Constr. Co., Inc., 428 S Salina
Central City Paving Co., Union bldg (Pavers)
§Dawson Bros.
§Delmonico Bros. Co.
*Dickison Guy B. (R. R., etc), Union bldg
Dollard Const. Co.
Dwyer Wm. J., City Bank bldg
Eagle Paving Co. (Cement), Rosenbloom bldg
Elliott T. Albert, 625 Onondaga av
§Fenno Ed. K., Esnblm bldg
Funda Henry, 201 Edison
§Gee John W. & Son
§Hemmer Michael, 215 Sunset av
Hendrickson-McCabe Constr. Co., O. C. S. Bank bldg
Hookway C. T. Constr. Co., The, Bastable
Hueber Bros.
Kelley John (Grading), S Sal. & Brighton av
Kimmey Frank M., 1007 W Onondaga
Lewis Geo. A., 1115 Midland av
Lowery Bros., 1631 S. Salina
McHale T. H. & Son
McLaughlin & Burchill, Bastable blk
Marnell Nicholas
Mondo Constr. Co., Inc., City Bank bldg
§Murphy David
O'Brien Const. Co.
§O'Connor Bros.
§Sherlock John J., 206 Canal
§Sherlock Wm. Mfg. & Bldg. Co., 411 Canal
Spicer James S., 246 W Brighton av
Steele Wm. M., 248 Gertrude (Mason)
Sullivan C. J. (Sewer, etc.), 252 N Salina
Swift James (Sewer), 522 S Hudson
Taylor J. D. Constr. Corp., 115 S Salina
*Weidman John H., Union bldg
Young John (Excavating), Bastable blk
TARRYTOWN—Blouin Alfred
TROY—Bergman Andrew
Boland C. P. & Co., 30 4th
Brady & Fitzpatrick
§Campbell Wm.
Campbell & Wall
§Collins Chas. & Sons
§Crowley Chas. Co. (Not Inc)
Di Novo Frank
Dollard James Co.
§Ellis Jno. E.
Hammill Wm. S. Co.
Jackson M. J. & Son Co.
Karr Thos. H. (Roads, etc)
§Martin Wm. E. Co.
Murray Martin & Co. (Roads, etc)
Nial Bros. Const. Co.
Soutar & Ritchie
Spence George Jr.
Stone Bros.
UTICA—Beebe H. R.
§Byrnes Thos. F. (Mason)
Eastover Constr. Co., 122 N. Genesee
§Gassner A. & Son
Griffiths & Pierce
Hughes John F. Constr. Co., 211 Post (Masons)
§Kassing Henry (Mason)
Kerner P. & Sons
§Lancaster Harry (Mason)
§Lloyd Richard G. Co.
Peters Nicholas D. & Co. (Paving, etc), 301 Kossuth av
Richards R. & Son Co., 246 Elizabeth
Roberts H. W. & Co.
Shippey Geo. W. (Mason)
Thomas & Hughes
Troy Public Works Co. (Public Work), Utica City Nat Bk bldg
Warren Bros. Co., Mayro bldg. (Paving)
WATERTOWN—Burns Bros. & Haley
Charlebois Bros.
Hayes Norman B.

NEW YORK—Watertown—continued
Hydraulic Constructing
O'Brien Thos.
Richards, Stockwell & Richards
Semper W. J.
WATERVLIET—Irving Newell Const. Co.
Lavallee Theophile
Lennon Adelbert J.
Young James T.
WEST NEW BRIGHTON—(See New York City, Borough of Richmond)
WHITE PLAINS—Briante Constr. Co., Inc.
Englis Geo. H.
McCabe W. F. Contr. Co. (Roads, etc)
O'Rourke John
Smith's S. W. Son
Thompson & Alextnder
§Westchester Engineering Co.
White Plains Contr. Co.
YONKERS—Austin Frank W.
§Bruce Alex. (Mason)
Dawson Alex. A.
Flannery P. J. & Son
Garnjost Const. Co.
Garnjost F. A.
§Gower Fielding
Grady T.
Gross Fred E. & Son, Inc.
Hart James J. Constr. Co.
§Hoyt & Miles
§Jamieson Ninian, Inc.
§Johnson Louis Building Co.
Kelly Geo. T. (Mason)
§Kingsley & Maxwell
Lynch & Larkin
§Mackay Keneth & Co.
Mangini Nicholas
Mee F. B.
Pyne Thos.
§Quick S. F. & Son
Rundle Geo.
Scott Oliver (Mason)
§Sherwood J. F.
§Soetemon Bros.
§Voss John M.
§Wales Charles A. (Corp.)
Yonkers Builders' Supply Co.

## NORTH CAROLINA.

ASHEVILLE—Asheville Const. Co.
Asheville Dray, Fuel & Const. Co.
CHARLOTTE—Blythe & Isenhour
Charlotte Consolidated Const. Co.
Charlotte Paving Co. (Paving)
**Jones J. A.**
Porter & Boyd
Thompson T. C. & Bros.
Tucker & Laxton
DURHAM—Christan Const. Co.
Christian T. S.
Lawrence I. G.
Salmon J. T.
Stanley J. B.
Underwood N.
GREENSBORO—Brooks & Hunt
Crouse J. L.
Hunt J. T. & Co.
LEXINGTON—Cecil D. K.
Harbin Construction Co.
§Ward E. M.
RALEIGH—Barrow W. B.
Moser M. A.
York C. V.
WILMINGTON—Brady R. H.
Moore & Abeel
Schad Jos.
Wallace & Osterman
WINSTON SALEM—Fogle Bros. Co.

## NORTH DAKOTA.

FARGO—Aiken Constr. Co.
Anderson-Vance Co.
Bowers Bros.
Great Northern Fuel & Constr. Co.
Johnson Constr. Co.
Kennedy James (Sewer, etc)
Porritt Chas. H. (Sewer & Public)
Powers Thos. F. & Co.
Wilson Stewart
GRAND FORKS—Buckingham, Geo. W.
Dakota Constr. Co.
Dinnie J. A. Co.
§Eikhoff John
§Hunter K. C.
Northern Const. Co.
JAMESTOWN—§Schmitt W. M.

## OHIO.

ADA—Tressel Jas. G.
ADENA—Stringer A. E.
AKRON—§Carmichael Const. Co.
Crisp John & Sons Co.
§Davidson J. M.
Franklin Bros. (Excavating, etc)
Harbaugh Constr. Co.
McShaffrey E. & Son
**§Patterson Building Co.**
Watters Chas. H. (Sewerage)
ALLIANCE—§Boone Robert M.
Devine J. C. Co. (Paving & Railroads)
Miller John W. & Son
Scranton C. O. Co.
Wilson John
ARCANUM—§Bowers Chas.
BARBERTON—*Paul & Henry Const. Co. (Steam Shovel & Municipal Work, etc)
BARNESVILLE—Wilson C. E. & Son
BELLAIRE—§Jones John W.
§McGraw John H. & Sons
§Rosser Chas.
§Rosser & Maloney
BELLEFONTAINE—Filson A. R. & Son
Shawver John L.
BOLIVAR—Daley Bros. Cons. Co. (Concrete Works)
BRADFORD—Houdeshell & Stover (Concrete)
BRYAN—Kelly Cons. Co.
CAMBRIDGE—Duffy Bros. Contr. Co.
Gibson Porter E.
Hanna F. C.
CANTON—§Berdel J. G.
§Bowen C. E.
Burd Constr. Co.
**§De Vault James**
Downs Frank A. Construction Co. (Paving, etc)
Dunbar John D. (Mason)
**§Goodman W. W.**
**§Huff K. E.**
Kelly W. D. Co.
Kilgore L. W.
Kumpf C. R.
Landor Edward J.
Melbourne Bros. Co.
Shoof Austin H. (Mason)
§Van Kirk J. L. & Son
§Walter John W.
§Whike George H. & Sons
**§Zettler Building Co.**
CHEVIOT—Bentel & Hyland
CHICAGO JUNCTION—Andrews S. P.
Williams W. A.
CINCINNATI—§Acomb-Keller Bldg. Co., Merc. Lib. bldg.
Amer. Bridge Co. (Bridges), Union Tr bldg
**§Barr W. B. Co., 805 Broadway**
Beese Chas. & Son (Mason), Queen City av, W of Boudinot
§Bell A. W., 1670 Bruce av
§Biecker Jos. H., First Nat. Bk. bldg
Botwin & Tunick, 1252 Lick Run
Brackett Const. Co., 1st Nat. Bk. bldg
§Bueche Frank & Co., 13 Lippincott
§Cash R. E., Lincoln Inn Court
Consolidated Engng. & Constr. Co., 622 E McMillan W. H.
§Cordes F. H. Bldg. Co., Union Trust
Cotteral Bldg. Co., Blymer bldg.
**Cranford Const. Co. (Concrete), Gerke bldg**
Crumley, Jones & Crumley Co., 536 Findlay
§De Lacroix Louis, 2826 Vine
**Denholm & Co. (Concrete), 622 E McMillan**
**§Diehl F. F., 3539 Shaw av**
Dugan M. Concrete Co., Builders & Traders Exc.
**Eid L. Concrete Steel Co., 1206 Liberty**
**Evans Evan (Sewer, etc), 1226 Ida**
Equity Equipment Co., Linwood rd & Penn R R
**Ferro Concrete Const. Co., Richmond & Harriet**
Fisher De Vore Const. Co. (Concrete Construction), 35-36 Blymer bldg
Folz Frank W. & Co. (Paving, Sewer & Public), Dayton & Freeman av
**§Francisco Geo. M., 3639 Stettinius av**
Fuerst Robt. (Brick), 2704 Vine
***Gest G. M. (General), Union Trust bldg**
Gier F. B. & Co. (Cement & Paving), 517 Riddle rd
**Glandorf C. H. (Pile Driver & Public), 8th & Plum**
Goodman John, 2133 Florence av
§Griffith Jas. & Sons Co., Reading rd & E 12th
Gubser Bros. (Cement), 2nd & Saratoga
Hallerman G., Schneller av, Price Hill
Hanlon Contracting Co., Gerke bldg
**Harig Henry & Co., 81 E 4th**
**Hazen H. C. Contr. Co., 2070 Reading rd**
Henkel & Sullivan, Mercantile Library bldg
§Hirschfields Theo. Sons Co., 1036 Straight
**Huber Jacob & Co. (Cement), 4332 Tower av**
Hummel David Bldg. Co. (Masonry, etc), 2629 Spring Grove av
Irving E. A. (Cement), 3821 Spring Grove av
§Jewell & Jewell, Prov. Bk. bldg
Kirchner Const. Co. (General), 221 W 9th
Leibold Gott Bldg. Co., The, 134 E 4th
§Leimann Wm. & Bro., 2303 Clifton
**Leonard B. A. (Cement), 4170 Mad Anthony**
McCabe Constr. Co. (Brick), 1758 Central av
McCarthy Michael J., 2910 Woodburn av
§McCaul Chas. Co., Court & Main
**McJoynt James (Concrete), 4140 Floral av**
McLennan Bros., Pickering bldg
McMiller & Taft, Hulbert blk
Marcus M. Bldg. Co., 2023 Reading rd
§Meinken Detrich, 2126 Western av
§Miller John, Builders & Traders Exc.
Murdock Geo., 2531 Melrose av
**Ohio Bldg. & Const. Co., 1434 Main**
§Owens M. R., 308 Longworth
Pachoud Bros., 1034 Kenner
Payne Bldg. Co., 8th & Plume
Peters G. A., Realty Co., The, Union Trust bldg.
Plump G. H. & Sons, 1415 Mansfield
Porter John S. & Co. (Cement & Concrete), 3711 Coleraine av
Quill M. F., Provident Bank bldg
Robinson O. E. & Son (Genl.), 4647 Hamilton av
**Roche-Bruner Bldg. Co., Johnston bldg**
Roche M. J. Const. Co., Johnston bldg
Roos Bros., 2824 Stanton av, W. H.
Rosenstiel Chas. & Son, 606 Reading rd
Ruebel Jno. Const. Co. (Street), 1876 Hanfield, N S
§Schmitt J. B., 610 Sycamore
Seyfried E. A., 3702 Cass av & Cum.
Snyder J., 4436 Forest av
§Stevens J. R. Co., Odd Fellows Temple
**Strack T. P. (Street & Sewer), Goodall bldg**
Sullivan M. & Sons Constr. Co., 2330 Beresford av
CLEVELAND—Alexander Bros., E 22nd & Prospect av
**Allen Jas. T. Contr. Co., 8106 Quincy av**
American Concrete Filler Co., Hippodrome Annex
***American Const. Co. (Heavy Masonry), Marion bldg**
American Paving & Constr. Co., The, Marshall bldg (Cement & Concrete)
Anders Const. Co., Rockefeller bldg
Andrews Bros., B. of L. E. bldg
Austin Co., 14230 Euclid av
Baker-Dunbar-Allen Co., Citizens bldg
**Baldwin Bros. (Paving, Sewer, Water Works, etc), Rose bldg**
Berry Bros., Garfield bldg.
**Boldt-Low Const. Co., Swetland bldg**
**Bolton-Pratt Co., Columbia bldg**
**Brown P. J. Const. Co. (Masons), Rockefeller bldg**
**Builders Lumber & Supply Co., The, W 73d & Denison (Carp)**
**Burnett Rollin P. (Paving & Sewer), Society for Savings bldg**
Carey J. D. Co., Citizens bldg
Carson C. A. Co., 6408 Euclid av
Cavanaugh-Linn Co. (Paving), Citizens bldg
Central Dredging Co., Swetland bldg
Christian J. E. & Co., 1307 St. Clair
Citizens Home Bldg. Co., Citizens bldg
City Paving & Const. Co., 2064 W 13th pl
*†Cleveland Construction Co., Citizens bldg
Cleveland Engng. Constr. Co. (Cement & Concrete), The Arcade
**Cleveland Trinidad Paving Co., 3409 Trumbull**
Connelly J. Constr. Co. (Reinforced Concrete, Masonry, etc), Leader-News bldg
Crowell-Lundorff-Little Co. (Concrete) 1951 E 57th
*Culbertson H. E. Co., Citizens bldg
Curry-Wagner Const. Co., 1900 Euclid av

Dall Wm., 1276 W 3rd N W
Dautel L. & Son Co. (General), 5710 Hough av, N E
Davis J. C., Garfield bldg
de Hammel Const. Co., Swetland bldg
§Dolinsky Bros.
Drummond-Miller Co., 4500 Euclid av
Duff James Const. Co., Marshall bldg
Dunbar Wm. Co., Fairfax rd & Lamberton dr
Egan Thos. P. (Sewer), Coxtan bldg
§Elworthy-Helwick Co., Wimson bldg
Emerson Sam'l W. Co. (Concrete), ft. of Addison rd
Enterprise Paving & Const. Co., 8444 Bway S E
Fath Construction Co. (Tunnels, Masonry), 5103 Euclid av
Feaga Gaylord W., Citizens bldg
§Ferguson-Flanigan Co., Vickers bldg
Fuller Geo. A. Co., Swetland bldg
•Galvin A. J., Lennox bldg
§Gill Jno. & Sons Co., Citizens' bldg
Gloyd James R. Co., Hipp-Annex bldg
Grant Jno. & Son, 4500 Euclid av
Graves E. M. (Public Works), Swetland bldg
Great Lakes Dredge & Dock Co. (River & Harbor, Bridges, Foundations, etc), Williamson bldg
Griffin C. N. Co., 3111 Carnegie av, S E
Harris Herman A., 5001 Lexington av N. E. (Carp)
Hayman & Stegkamper, 3250 Euclid av
Hunkin-Conkey Const. Co. (Breakwaters, Piers, Buildings, etc), Cuyahoga bldg
Hyde W. F. Co., 1008 Scoville av
Lanese Co., Guardian bldg
Libby J. H. Co. (Concrete), 4500 Euclid av
§McAllister W. B. Co., 2165 E 31st
McMillan Co., 1794 E 55th
Manson Co. (Sewer), The Arcade
§Mark F. W. Constr. Co., Leader News bldg
Masters & Mullen Const. Co. (Concrete Fireproofing, Bridges, etc), Electric bldg
§Minnick-Gibbons Co., 5309 Prospect av
Moore Wm. Co., 1278 W 4th N W
National Concrete Fireproofing Co., Citizens bldg
National Foundation & Engng. Co., Citizens bldg
Pace Bros. (Paving), Engineers bldg
Paul Bros. Co., Citizens' bldg.
Raymond Concrete Pile Co., (Cement & Concrete), 1836 Euclid av
Reaugh Const. Co. (Reinforced Concrete, Masonry, Foundations, etc), 2835 E 51st
Rieley Bros. (Paving), 348 Arcade
Robinson Contracting Co., Wade bldg
§Rutherford Geo. A. Co., 2160 E 18th
§Skeel Bros. Co., 8311 Euclid av
Slatmyer Henry G. & Son Constr. Co., 203 Lakeside av, N W
Smith J. Wentworth (Mason), 10585 Quincy av
Spence Bros. (Masons), 12960 Euclid av
•Strong C. H. & Son (Steam Shovel, Bridge Masonry, Docks, etc), Swetland bldg
§Stuart James L., Illinois bldg
Tausch Wm. F. (General), Williamson bldg
Thompson Walter I. & Son Co., 6110 Euclid av
Thompson-Starrett Co., Perry Payne bldg
Uhl-Jaster Co., 1900 Euclid av
Vanderwerf Co., 1738 E 23d
Ward Bros. (Grading), 9338 Hough Ct
Watterson Henry, 4500 Euclid av
Watterson H. A. & Son, Citizens bldg
§Webber Co., 1609 W 25th
Wells James H., East Clark School, E 146th
Williams & Little Co., 2046 E 88th
Younger & Farmer Co., 1670 Crawford rd

COLLEGE CORNER—§Stephens & Stewart
COLUMBUS—•Adams J. T., Columbus Saving & Trust bldg
Burns A. W. & Co., 55 E State
†Capitol Const. Co. (Concrete Const.), Ruggery bldg
Columbus Macadam Co., 319 Dublin av
Cullen & Vaughn Co., 8 E Broad
Elford Edw., 103 N 3rd
Evans R. H. & Co., Columbus Savings & Trust bldg
§Ewers Bros., 189 W Broad
Federal Constr. Co., Hartman bldg
Fenimore Edw. C., 8 E Broad
Fitzpatrick & Hoepfner, 63 Gay
Fritz-Rumer-Cooke-Grant Co., Interurban Sta.
Herschler L. C., Schultz bldg
§Jamieson W. L., 42 W Town
Latham Edgar H., Columbus Savings & Trust Co.
McGrath Daniel W. (Sewer & Masonry), New First Nat. Bk. bldg
Middle States Const. Co., 524 Hudson
Ohio Realty & Constr. Co., 8 E Broad
State Constr. Co., 131 E State
•Sturm L. E., New 1st National Bank bldg
Sullivan D E & Son, Interurban Terminal bldg

CONNEAUT—Horton Fred L.
COSHOCTON—Henderson Bros.
Richardson H.
Shaw John L.
Tish W. S.

DAYTON—Blanchard Building Co., 601 Reibold bldg
Boren John W. & Sons Co., Louie & Columbia
Boyd & Cook, Reibold bldg
Davis-Hunt Constr. c. o. Schwind bldg
Dayton Steel Constr. Co., Howell & Wilbur
§Engle & Gohn, 50 Callahan Bk. bldg
Finke Engng. Co., 1533 Germantown
Geiger J. I.
Hodgson G. C. & Co., Reibold bldg
Hosket Chas. F. (Brick), 662 E Richard
Kempert A. F. (Brick), 245 S Morton av
Kernan W. J. & Co. (Paving), 425 S Cincinnati
McReynolds Robert, 254 4th St. Arcade
Ritchie-Wertz Co., Wistaria av
§Rouzer John Co., 71 Wyandot
§Shartzer G. H. Co., 1832 S Ludlow
§Structural Concrete Co.
Swank Engng. Co., Conover bldg
Talbot H. E. Co. (Heavy Masonry, Concrete Work, etc), City Nat'l Bk. bldg
Wehner Jos., 119 Zeigler
Wroe John, Riebold bldg
Yount & Jackson Co., 325 N Summit

DELAWARE—Dent J. H.
Lambert Bros. & Wirt (Paving)
McDonald Jas.

EAST LIVERPOOL—Chester General Contracting Co.
Gamble & Bryan (Brick)
§Nease C Lumber Co.
Rinehart Bros.

ELYRIA—§Beck Henry
Elyria Constr. Co.
Halpin John B. Co.
§Hewett Jas. A.
Kaiser John & Bros. Co.

FINDLAY—Folk Bros.
Hall Harry J. & Son (Paving)
Horn Geo. J.

FOREST—Forest Construction Co. (Road)
FREMONT—§Wolfe C. M.
GERMANTOWN—Gunckel Frank

HAMILTON—Andrews Asphalt Paving Co. (Paving, etc.)
Cullen & Vaughn Co., 450 Dayton
Hamilton Constr. Co.

HAZLEWOOD—Jones Bros.
IRONTON—Scherer & Mountain
Wileman & Helbling
LANCASTER—Van Gundy J. D.
LEBANON—Monroe & Johnson

LIMA—Heil Valentine
Lathrop C. S.
Midland Constr. Co.
Smith & Sherrick

LISBON—McLane & Hepburn

LONDON—Carter & Foster (General)
§Iliff Bros.
§Neville Jerry

LORAIN—Burgett L. A. & Co.
Glick & Weitzel
Jackson M. L.
Kipp John
§Kratt & Agnew
Leighton A. J.
Ohio Engng. Co.
Pierce F. W.
Stauder N. B.

LOWELL—Lowell Building & Supply Co.
LYKENS—Harer G. V.

MANSFIELD—Berry Chas. V.
Cotter Transfer & Storage Co. (Excavating, etc)
Gettings Bros.
Herring G. B. & Son (Paving)
Hursh Jos.
§Kallmerten & Baer
Small Simson & Sons Co.
Wildeson L. & Son

MARIETTA—Cisler & Moose
Cowell Levi
Dickinson & Hockenberry
Foreman & Putnam

MARION—Baldauf John
Blockson Bros. Constr. Co.
Brady A. J. (Paving, etc.)
Drake P. & Sons (Road)
Hofstetter & Dawson (Paving, etc.)
Kinsler John & Son (Concrete, etc)
Kohberger & Hoyles (Sewer)
Leffler & Bland

MARTINS FERRY—Clifford Geo. B.
Dixon & Dixon

MASSILLON—Converse Emil P.
Dieffenbacher P & Sons
Knobloch & Kapper (Excavating)
Meinhart John & Son (Street & Public)
Stoner F. L.
Swanson Bros. (Large)
Vogt W. & Sons (Street & Public)
Wendling A. F. Co.

MIDDLETOWN—Arpp, Simpson Co. (Sewer)
Caldwell & Iseminger Co.
Dome Geo.

MINERVA—Bowden Geo. M.
Cox E. D.
Hart S. W. & Son

MOUNT VERNON—Anderson R. C.
NEWARK—Jones Ben B.
Phillips P. S.
†Taylor David J.
Wagenheim J. M. & Son
Wilson Contracting Co.

NEW COMERSTOWN—Brode W. M. Co.
NEW PHILADELPHIA—Gatchett A. & Son
Hensel Samuel
New Philadelphia Constr. Co.
Slasor & Gintz
Springer & Rogers

NORWALK—Kinney A. C.
Parker John
Parker Wm.
Scott G E

OXFORD—Cramer & Johnson
Lloyd T. C.

PIQUA—Anderson J. H. & C. P.
§Fry A. M.
§Speelman Edward

PORTSMOUTH—Bradley & Co.
Cullum W. J. Co.
Donaldson W. W.
Kaps Bros. (Heavy Masonry, etc.)
Kelly Bros. (Paving, etc)
Monroe Sam'l & Son Co.
Portsmouth Constr. Co.

SANDUSKY—Doerzbach G. W. & Bros.
Feick Geo. & Sons
Feick John A.
Peterson & Hiss Co.
Reinke Gust.
Walsh Bros. & Schurr
Ziemke Bros. (Mason)

SIDNEY—Ruese E. F.
SPRINGFIELD—§Bush W. R.
Caffrey Patrick
Crawford J. L.
McHugh Bros.
§Poole Wm.
§Poss J. A.
Roberts Bros.
Russell M. C. (Cement)
Ryan Edw. (Paving & Public), 101 Clifton
Wren Thos. E. & Co. (Cement)

STEUBENVILLE—§Coyne Jas. A.
Floto Bros. Const. Co.
Hiland Contract & Lumber Co.
McDonald Andrew W.
McFeely Bros.
Martin E. E.

TIFFIN—Baumgardner Concrete Products Co.

TOLEDO—§Bentley A. & Sons (Bidrs., etc) 201-241 Belmont av
•Bick Jacob N. (Trestles, Foundations & R. R.), The Nasby
Bodette Edw. (Dredging ,etc.), 704 Boalt
Breyman G. H. & Bros. (Sewer, Dredging, etc.), Marine bldg
•Carland J. C. & Co. (& Public Works) Spitzen bldg
Chambers B. W., 737 S St. Clair
De Vore-McGormley Co. (Engr. & Cont.)
Doan A. M., 318 Huron
Gettins-Kopitke Co., Mashy bldg
Gilmore Bros. (Harbor)

OHIO—Toledo—continued
Hales James, 1431 Milburn
Hattersley Const. Co., Spitzer bldg
§Herman F. J.
Hummell Wm. W.
Hummel & Hillebrand (Cement Work)
Jacobs Jacob J.
Knopp Bros. Co.
Mehring & Kline Co., Spitzer bldg
O'Sullivan M. F. (Paving), 145 Oak
§Pfaender Bros.
Ploch John Co., 333 Erie
Power Equipment Co. (Power Plants)
Prentice Wm. H., 360 W Central av
Rabbitt Michael & Sons Co., 115 Nasby
Ramseyer M. S. Co., Spitzer bldg
Russell & Jennison Co., 2463 B'way
Schillinger Bros Co. (Asphalt & Concrete Pavements & Constr.), 215 City Park av
Sheehan Henry & Son (Sewer), 1208 Collingswood
Spear, Moylan & Lasley
Spieker Henry J. Co., Elm & Utica
Streicher H. P. Co., Terminal bldg
Thacher A. Q. Contr. Co. (Dredging, Submarine Work of All Kinds, Heavy Masonry, etc), 6 Jefferson av
§Voss E. H., 339 Huron
Wynkoop-McGormley Co. (Bridge), Ohio bldg
TORONTO—Candoo & Grizzelli
Cooper W. S. & Co.
Johnston Guy Contr. Co.
Redhead F. A.
TROY—Hennessey J. M. & Bro. (Sewer, Excavating Roads, etc)
Smith M. Z.
VAN WERT—Ireland C. L.
WELLSVILLE—Forbes & Smith
Patterson Geo. B. (Paving)
XENIA—Wilson Engng. & Contr. Co.
YOUNGSTOWN—Adovasio Louis & Co.
Atlas Construction Co. (Cement)
Bates Chas. W.
Black W. H. & Son (Paving)
Bode Geo. (Paving)
Campbell Bros. Co.
Chambers J. B. (Concrete)
Clark M. F. (Paving)
Clemons L. J.
Connelly M. P. & Son (Paving)
Constable Robt. S.
De Jute James (Paving)
Ellenberger Henry C
Fiehler Aug. D.
Grein George
Grube E. A. (Cement)
Harris C. F.
§Hawk Otis E. & Co.
Heller Bros. Co., Richard Garlick Logan av
Hess Geo. F. & Son
Hohlock J. F.
Home Building & Financing Co.
Hopkins Bros.
Hunter Const. Co.
Jones Virgie E.
Kane Ed. J.
Kennedy Bros.
King Robert
Logan A. F. & Co.
Lynn Elliott C.
McCaslin James R.
Mariner Frank W.
Mattison A. S.
Miller Brothers
Miller Theo. F.
Niedermeier Henry
Palmer W. H. Co.
Parish Bros. (Brick & Concrete)
Pierce C. Berlin
Quigley & Meeker, 19 Yo & Sharon
Ramm Wm. J. (Cement)
Schmidt Phillip
Security Construction Co.
Seitz L. T.
Serafino Andrew (Paving)
Siefert J. A.
Skoog Gus
Stonerook Howard D.
Turner Contracting Co. (Paving)
Wiles H. A.
Youngstown Const. Co.
ZANESVILLE—Adams Bros. Contr. Co.
Adams Bros. Contr. Co.
Clifton Bros.
Davis Millberry
Denny Bros.
Dunzeller Constr. Co.
*Gregg & Pletcher (R R & Road)
Hanshy Wm. C. & Son
Henke D. E. & Co.
Lewis & Dick
McMaster L. W.
Mast Emanuel
*Muskingum Contr. Co.
Swingle J. A. Contr. Co.
Taylor & Linn
Townsend F. M. (Railroad & Masonry)

## OKLAHOMA.

ELRENO—Ellsworth J. E.
Ellsworth J. E.
McALESTER—Deibler George H.
MUSKOGEE—Manhattan Construction Co.
OKLAHOMA—Barnes E. A. (Paving)
Barnes E. A. (Paving)
Campbell & Price
Gross Construction Co.
Lee L. F. Constr. Co.
*Maney Bros. (R R, etc)
Reinhart & Donovan
Western Paving Co.
SHAWNEE—§Carr G. P.
TULSA—Tulsa Rust Engineering Co.

## OREGON.

ALBANY—Snell R. D.
ASTORIA—Astoria Constr. Co.
Houston C. L.
Lebeck Leander
Palmberg & Matson Co.
EUGENE—Heckart W. O.
PENDLETON—Gibson & Cole
PORTLAND—Allyn & Quinn, E 50th & 56th ave, S. E.
Andrus & Bode, Lewis bldg
Bentley & Andrews, E 11th & Irving
Berry A. C. U., Selling bldg
*Campbell & Hartman
§Carlson Victor J., 445 Vancouver
Clyde Equipment Co., 18th & Upshur
Coast Bridge Co., Ft. of E Main
Cochran, T. H. & Son, 415 S. Hays
§Columbia Contract Co., E Water & Main
Columbia Digger Co. (Excavating), 180 Burnside
Cook C. J. Co., 124 N 12th
*Copenhagen Bros.
Cowlitz Bridge Co., 50 1st
Dennis V. R. Constr. Co., Lewis bldg
§Dinwiddie Construction Co., Yeon bldg
Dougan J. M. Co., Ry. Exch. bldg
Elliott Contracting Co. (Sewer), McKay bldg
*Fortin-Chambers Co., Ry Exchange bldg
Friberg-McLennan Co., Oregonian bldg
Giebisch & Joplin (Grading, etc.), Rothchild bldg
Gordon G. W., 166 11th
§Guthrie A. & Co., Pittock blk
§Horn A. W.
Horn L. D.
§Hurley-Mason Co. (Building, etc), Worcester bldg
*Interstate Contract Co., 180 Burnside
Jacobsen Construction Co. (Piling & Bridge), McKay bldg
Jacobsen-Jenson Co.
Johnson & Lindstrom Co., Commercial bldg
Joplin & Meeks (Grading), 33d & Halsey
Killgreen Bldg. & Investment Co., Lewis bldg
§Klant & Miner
§Kratz C. F.
Leonard F. J., Lewis bldg
Lind Wm., Henry bldg
Litherland & Abrey Co., Beck bldg
McAllister & Son Const. Co., Lewis bldg
Meyer A. C.
Miller & Bauer (Cement), Panama bldg
Montague O'Reilly Co., Blake-McFall bldg
Muir Thos., North Coast Contract Co.
Pacific Bridge Co., ft. of E Salamon
Palmer-Ellison Construction Co., Henry bldg
Parker & Banfield, Columbia bldg
§Peters I. A., N. W. Bank bldg
§Pippy & Weld
*Porter Bros., Ry. Exchange bldg
§Portland Bridge & Bldg. Co.
Portland Bridge Co., Yeon bldg
Rasmussen-Grace Co., Bates Dock bldg
Ryan Contracting Co.
Seed J. S. Builders Exchange, Worcester bldg
St. Helens Quarry Co., McFall bldg
Smith & Dodge
§Stebinger Bros., 626 B'way
§Stokes, Zeller Co.
Sweeney J. W. Construction Co.
§Taylor Jas. P., Macleay bldg
*Twohy Bros. Co., 219 E 60th
United Contracting Co., North Western Bk. bldg
§Walker W. D., Abington bldg
Warren Construction Co., Journal bldg
Winters J. S., Couch bldg
SALEM—Erixson Fred A.
Salem Const. Co.
Siewert & Engstrom
§Snook & Traver
Van Patten C.

## PENNSYLVANIA.

AKRON—Miller L. Z.
ALLEGHENY—(See Pittsburg)
ALLENTOWN—Albright A. A. & Son
Allentown Constr. Co.
Butterweck H. A.
Butz & Clader
Daubenspeck Chas. B.
Fuller Engineering Co. (Cement)
§Gangewere Wm. H. & Co. (General)
Gery & Peters
§Hardner Geo. H. (Sewer, etc.)
Hoch Oscar S. (Masonry, Excavating, etc)
Moyer Tilghman H.
Nagle Jacob A.
§Ochs Const. Co. (General)
Weaver Contr. Co. (Concrete, etc.)
Wieder L. A. & Sons
ALTOONA—Altoona Brick Co. (Brick)
Altoona Concrete Cons. & Supply Co.
Altoona Construction Co.
Fickes H. & Son
Finn P. W. & Son
Fluke J. B. & Son
Hersh A. J.
Hinkle H. G. (Inc.)
Hughes Clifton D.
Ivory J. C.
Laughlin W. F. & Son
Mackey Leroy B.
Orner J. W.
Orr J. C. & Son
Standard Contracting Co.
Vipond John S.
Zimmers Geo. A.
AMBLER—Bartleson Jas. A.
Heckler Leidy B.
Kemmerer C. J.
ARDMORE—Fraser H. A. & D. M.
§Haws Samuel R. & Sons
§Mahan Frank H.
ASHLAND—Leibig Chas. P.
AVOCA—Dommermuth M.
O'Brien Bros.
Widdall H. S.
Widdall J. A.
BEAVER FALLS—Bloom Henry
Kirker L. C. & Son
BETHLEHEM—Bethlehem Construction Co. (Structural)
Denburger H. Contrg. Co.
Speck Bros.
Speck Forest F.
Stoudt H. E.
BLOOMSBURG—Jury A. C.
Reimard Bros.
BRADDOCK—Hemple C. H. & Bro. (Paving)
Hodder Const. Co. (Inc.)
McCrady Bros. Co. (Paving, Sewer & Excavating)
Phillips W. E.
BRADFORD—Hane F. O.
Iver John & Co.
Unruh E. N.
BRISTOL—De Groot Wm. E.
BUTLER—§Hoffner Adam
Schenck Geo. & Co.
Schenck T. L.
Wagner W. S. & Son (Cement)
CARBONDALE—Atkinson Hugh
§Edgett & Patterson
§Gibbs John
§Robinson N. B.
CARLISLE—§Brindle D. E.
Faber L. Jr. & Sons
§Lackey H. A.
§Porter Jas.
Yarnall T. Elwood
CARNEGIE—§Clark Wm. J.
Davis R. G.
Dushane I. N. & Sons
Gamble Samuel Co.
§Gow Geo.
Harris Morgan
McClintic-Marshall Const. Co.
CATASAUQUA — Goldsmith Franklin & Son

CHAMBERSBURG—§Frederick Chas.
Minnich D. B.
§Rhoads Maurice R.
Shields E. M.
CHESTER—§Babe Jas.
Bell Sam'l R.
Dickerson Edward
§Frazier Bros.
Hanna Jno. & Sons (Street Improvement, Excavating, Grading, Sewer, etc)
§Hewes Geo. D.
§Hewes Sam'l A.
Holcroft W. H. & Co.
§Nolan Bros.
§Oliver E. J. & A. W.
§Oliver Thos.
§Plumley Morris
§Provost Wm., Jr.
Sheaff A. P.
Taylor J. I.
CLEARFIELD—Lukens Wm. A.
*McAtee Jno. C.
§Thompson Geo. I. & Co.
COATESVILLE—Ash Chas. H.
Domsohn C. J. Co. (Cement)
*Dunleavy Bros. (B. R. & Excavating)
Elliott Wm. J.
Thorne W. K.
CONNELLSVILLE—Connellsville Const. Co.
*Harry S. J. Co. (R R Shafts, Tunnels, etc)
CONSHOHOCKEN—§Blanch Bros.
CORAOPOLIS—§Boyd Harry C.
McKown & Beattie
§Wilson Carl C.
CORRY—§Munger A. F.
Rogers C. R. & Co. (Mill & Factory Constr. a Specialty, Reinforced Concrete Work, etc.)
DORRANCETON—Nash Stanley
Ranson Coray B.
DUBOIS—Loeb Bros.
DUNMORE—Gibbons Martin
Peck & Carmody F. J. Lbr. Co.
EASTON—Bechtel A. A.
§Keim Reuben
§Keiper Howard O.
§Lerch F. J. & Co.
§Lutz & Boaz
*Miles-Tighe Cont. Co. (R R & General)
Morgenstern F. Louis
Mucillo & Miller
Pittenger Edw. S.
Siebler W. F. (Concrete, etc)
Smith Asa & Son
*Smith, McCormack Co.
*Stewart R. T. & C. D. Contr. Co.
§Steinmetz Amandas
Wharton Wm., Jr., & Co., Inc.
ERIE—§Baldwin Bros.
§Constable Bros. Co.
Dayle J. & M.
Fry Constr. Co.
Graham W. M. & Co.
Kirschner Bros.
McCormick Jos. M. & Bro. (Sewers)
Mayer Bros. Const. Co.
§Schroeck Adolph
§Shenk Henry Co.
South Shore Constr. Co.
Stader Conrath Constr. Co.
§Walker Jas. D.
§Weber A. S.
FRANKLIN—Amsler W. H. (Paving, etc)
Eshelman U. H.
§Long Harry W. (Mason)
Northwestern Construction Co.
Osborne Edwin
FREELAND—§Boyle Jas. W.
§Griffith Jas. E.
§Lentz Robert A.
GREENSBURG—Bennett & Smith Co.
*Bennett & Talbott (Public)
Fulmer Bennett R.
Stark H. F.
HANOVER—Coulson J. W. & Bro.
Klunk Wm. J.
Rohrbaugh J. F. & Co.
HARRISBURG—Baumgartner Frank
Central Constr. Corp.
§*Ensign G. W., Inc. (Sewer, etc.)
§Gettys M. H.
Hipple H. A.
Kuhn J. L. L. & Co.
§Lebo E. N.
§McKelvy J. A.
Markley Wm. D.
§Mentzer Samuel F.
Miller Wm. S.
§Schuddemage Harry
Stucker Bros. Construction Co.
Stuckey Adam & Son
*†Whittaker & Diehl
§Wildman Aug.

HAZLETON—§Campbell H. L. Construction Co.
Drake A. W. Drilling Co. (Drilling), Hazelton, Pa.
Frederick S. Y. & Son
Itter Charles
§Kokensberger F. H.
Kramer Ludwig
Leffler John A. (Sewers, etc)
Matuskowitz Jos. & Sons
Meier & James
Ruth Arlo A.
§Schaub Justus
Sell Geo.
Thomas Wm. F.
Veale Bros.
Ziegler Wm. D. & Son
Zierdt & Son
HOMESTEAD—Erbeck F. J. (Paving & Public)
Hall Geo. M. Co.
Snyder J. O.
HUNTINGDON—Peightal Nevin
Whittaker E. B.
INDIANA—Bennett M. & Sons
Lockard E. M.
Richards J. R. (Diamond Core Drilling)
JOHNSTOWN—Baker Owen Constr. Co.
Birkebile Bros.
Danker Bruno & Son
Overdorff Edmund
Schenkemeyer Chas. & Sons
Strayer J. D. & Co.
Thiele Const. Co. (Grading, etc)
LANCASTER—Auxer A. J.
Bally Samuel H.
Breneman Jos. P. (Building, etc.)
Fritchey J. U. & Son (Paving & Sewer)
§Hook Jno. H. (Sewer & Public)
Stumpf Jacob & Son
Wiant Herman L.
Wohlsen Herman F.
Wright L. V.
§Zook Walter C.
LANSDALE—§Kaelin Ludwig
Kauflie John
LANSDOWNE—Burdsall Wm. H.
Lansdowne Constr. Co.
Moore Chas. T.
LANSFORD—Loomis W. H. Contracting Co.
Riebe Herman Co.
LEBANON—Bell's Sam'l Sons (Masons)
Dullabann Geo. D.
Millard J. B. & Sons (Large)
LEWISTON—Steinbach's W. D. Sons
White Wm. J.
LITITZ—Hershey-Leaman Co.
LOCK HAVEN—Blesh Alex.
Caprio & Grieco
*Miller Construction Co.
McKEESPORT—Brieck Bros Co.
Hoey Edward D.
Kunze A. E. (Brick)
Nowell Wm.
Rhoades P. F. & Son (Paving & Sewering)
Wertenbach John H.
McKEES ROCKS—Bryan Frank
MAHANOY CITY—Lutz Robert J.
MEADVILLE—Harper Lumber & Bldg Co.
Keystone Constr. Co. (Paving)
McGuigan T. (Sewer & Public)
Morrison Wm. E. & Son
MECHANICSBURG—Weaver Calvin
MEDIA—Flounders Jas. B.
MONONGAHELA—Yohe Bros.
MORRISVILLE—Ewald F. H.
MT. CARMEL—Keefer Geo. H.
MT. PENN—Schlegel Chas. H.
NANTICOKE—Clark John & Sons
Hamilton John A.
Jones Thos. P. & Sons
Kamowski Jos.
Nanticoke Const. Co.
NAZARETH—Flick & Simons
Hahn F. P.
Messinger Jacob H.
Roth Henry W.
NEW BRIGHTON—Garmen C. & Sons (Building, etc)
McDanel R. B. Co.
McGuire J. G. & Co.
Martsolf Bros. Co.
NEW CASTLE—§Anderson E. W. Constr. Co.
Bender W M
Burns Bros. (Sewers, etc)
*Byers & Craig
Chambers W. H. & Son
Kline Lumber & Construction Co.
New Castle Lumber & Const. Co.

*Scanlon Michael J.
Woods & Golder Const. Co.
NORRISTOWN—Friend Henry P.
Heavner Frank R.
§Houpt Irvin B.
Shoffner Bros.
Smith T. V. (Cement Work)
§Wager B. F.
OIL CITY—Boquin L. O.
Crouch E. M.
Lesher & Roess
Meals Jacob F.
Mundt H. C.
PHILADELPHIA—Aberthaw Const. Co., West End Trust bldg
§Ambler-Davis Co., Harrison bldg
American Bridge Co. of N. Y., Widener bldg
American Dredging Co. (River & Harbor), Mariners' & Merchants' bldg
American Paving & Constr. Co., 213 S 9th
American Pipe & Const. Co., 112 No. Broad
Anders & Snyder (Paving), Heed bldg
Anstine W. W. & Co., 1218 Filbert
§Appleton Chas. J., Heed bldg
Armstrong & Latta Co. (Dock, Harbor & Public), Land Title bldg
§Ashby Jos., 7920 Oxford av (Fox Chase)
§Atkins Ed., 249 S 24th
§Austin Co., Bulletin bldg
Bader Daniel S., 1345 Arch
Bailey-Lush Co., 201 N Broad
§Ballinger R. C. & Co., 218 N 13th
Bateman John J., 845 Locust av, Germantown
§Baton Henry E., 12th & Sansom
§Bauer Walter S., 5th & Chew av, Germantown
§Bayard M. L. & Co., Penna bldg
§Bear Eng. & Construction Co., 34 S 17th
§Beaumont W., 1011 Chestnut
§Bechtel Joseph, 200 N 15th
Bennis Richard P. (Sewer), 710 E Chelten
§Birkelbach Frank U., Richmond bldg
§Bland John I. & Co., Harrison bldg
Boas Francis J. (Bridge, etc.), 201 N Broad
§Boorse Horace B., 665 N 15th
§Borthwick Pringle, 8018 Germantown
Bottoms Abel & Sons Co., 3611 Walnut
Bower C. P. (Heavy Masonry, Grading, etc.), Tulip & Somerset br P. & R. Ry.
*Brann & Stuart Co., Commer. Trust bldg
*Brendlinger P. F., Commer Trust bldg
§Brennan Frank, 1409 Ritner
§Brocklehurst H., 512 Norris
*Brogan Jas. F. & Co., Commercial Trust bldg
§Brown Henry L., 27th & Clearfield
§Brown John G., Witherspoon bldg
Brown-King Const. Co., Commercial Trust bldg
Brown Wm. R., 2145 E Firth
§Burrell Horace H., 206 Quince
Byers & Clarkson, 806 Walnut
Cantrell Const. Co., 30th & Walnut
Carhart A. L., 323 Penfield bldg
§Chambley Alex, 2057 Summer
Chapman Wm. R. & Sons, 1506 Washington av
Chester Constr. & Contracting Co., Otis bldg
Christensen Adolph (Stone), 1433 Brown
§Clark & Craighead, 6346 Opal
*Clement F. H. & Co., Land Title bldg
§Codori John A., 1235 Arch
Conan C. A. (Sewer), No. American bldg
Concrete Constr. Co., 1618 Thompson
Conneen Constr. Co., 18 S 18th
§Connor Jas., 1317 Arch
Connor Thos. (Sewer), 3329 N 5th
§Consolidated Constr. Co., 34th & Bowman
§Cornell J. S. & Son, 1412 Morris bl
§Coulston Wm. R. & Co., 2041 Chelten av
§Cramp & Co., Denckla bldg
Crawford Daniel, Jr., 701 N 63d
Crossan Constr. Co., Land Title bldg
Cunningham Paving & Constr. Co., 1345 Arch
*§Cuthbertson Elmer L., 334 Rox av
§Dahl Henry C., 231 S 8th
Daniels J. Morris, 252 S Juniper
Doak Albert (Boiler Setters), 2138 Arch
§Dougherty W. R., 1608 Sansom

PENNSYLVANIA—Philadelphia—cont.

§Doyle & Co. (Large Builders, etc), 1519 Sansom
§Driscoll Co., Stock Exchange bldg
§Duff Thos., Wyoming W 7
Eagle Const. Co., Drexel bldg
§Eddleman Wm. H. & Sons, 453 Green La. Rox
§Elfreth & Co., 1708 Sansom
§Ellis Wm. H., 344 N 4th
§English Frank G., 1608 N Carlisle
•Evans Burd P. & Co., 636 N 13th
Eyre, Thos. L., Com. Trust bldg
§Farbstein Jos., 908 Walnut
Farrell James P. & Co., 1621 Sansom
§Fay Edw. & Son, 2 S Mole
§Ferguson Wm. & Son, 405 E 21st
§Fidelity Const. Co., Heed bldg
Field, Barker & Underwood (Engrs & Contrs.), Commercial Trust bldg
§Flounders Jas. B., 1329 Arch
§Flury Geo. B., 1138 S 22d
§Fonder Edw. F., Land Title bldg
§Forsyth Chas. N., 3417 N 16th
§Fotheringham John, 3367 Fkd av
§Franklin Engng. & Const. Co., Bulletin
§Fretz A. L. & Son, 1213 Filbert
§Freund Constr. Co., Bulletin bldg
Fuller Geo. A. Co., Widener bldg
Gaffney Constr. Co., 1927 Poplar
§Garrison John D., 4 S 15th
§General Contracting Co., 1218 Frankford
George & Borst, 277 S 11th
§Gill Jno. N. & Co., Otis bldg
§Gilpin Chas., Harrison bldg
§Goll Jno. & Co. (Bridge, etc), 1539 Filbert
Graham-Campion Co., Heed bldg
Grau H. E. Co., 1707 Sansom
§Gruhler Wm. J. Co., 219 E High av
§Hahn Scott W., 5215 Chestnut
§Haibach Contracting Co., 1261 N 26th
§Hall E. R. & Bro., 34 S 17th
Hallowell Chas. T., 6060 Webster
§Hand Jos. A., 8029 Frankfort av
§Harris Franklin M. & Co., 1820 Wylie
§Hart & Bailey, 16th & Louden
§Harting S. 20 E Johnson Gtn
§Hartwig Harry F., 7403 Bingham, Fox Chase
§Haugt & Swerdloff, 5th & Locust
Havens Fred A. & Co.,845 N 19th
Hazlett Hugh & Son, 1701 N 20th
§Heckler Chas. J., 3001 N Craskey
§Hedden E. J., Finance bldg
§Heebner Geo. K., 1231 Vine
§Heinke Chas. A., 160 W Sharpnack Gtn
Heins Wm. R. & Co (Paving), 1713 Moravian
Heist Harry H., 65th & Limekiln Pk.
Henderson & Bro. Co., Ltd., S 25th, below Spruce
Higgins Robert (Sewer), 4642 Lancaster av
§Hillsley & Perkins, 1825 Sansom
Hoffman Engineering & Contracting Co. (Bridge & Public), Penna. bldg
§Hogg Constr. Co., 1634 Sansom
§Hollenback Edwin E. (Inc), 200 N 15th
§Holm Jas. M., 5556 Arch
Hoover F. L. & Sons (Inc), 1023 Cherry
§Howes R. H. Const. Co., Witherspoon bldg
§Hurley P. J., 1233 Cherry
§Integrity Const. Co., Lincoln bldg
§Irwin & Leighton, 126 N 12th
§Isenberg & Krevitzkin, 54th & Springfield
§Jackson J. Richard, Perry bldg
§Jones Wm. J., 2927 N 5th
Keefer Elisha H. & Son, 1321 Rodman
§Keller Bros., Harmon rd
§Kelley John A. Co., Penna bldg
Kelly P. H. (Masonry, etc.), Lippincott bldg
Kemper Const. Co., 905 Walnut
Kessler Geo. Contr. Co., Drexel bldg
§Ketcham & McQuade, 1029 Brown
•Keystone State Const. Co., Penna bldg
§Killough Robt., Wayne & Dunae
§Klaus & Baxter, 1745 S Conestoga
Klinck Wm. C. (Cement), 1715 Venango
Kreitzburg Ernest J., Broad & Arch
§Lam Building Co., 1001 Wood
Land Chas. D., 23th & Cambria
Lee Thos. P. (Cement), 5629 Cherry
Linker Wm. Co., 831 Cherry
Little Thos. & Son, 1713 Moravian
Logan Constr. Co. (Cement), 1428 Rockland
Lombardi Constr. Co. (Sewers, etc.), Lincoln bldg
§Longacre Constr. Co., Widener bldg
§Loss & Dothard, Commercial Tr. bldg
§McCaul Charles Co., 1715 Sansom
§McCloskey & Bahls, 1620 Thompson
McCleman H. A. & Bro. (Excavating, Grading, etc.), Moyamg av & Shunk
McClintic-Marshall Co., Morris bldg
McClintock & Weaver, 24 W Phila., Ellena, Germantown
McDermott Chas. Co. (Est. of) Penna bldg
McElivee Bros. (Paving), 1629 South
§McGarvey John N., 61st & Oxford
•†McGraw James Co. (Steam & Municipal & Government Work, Bridges, etc.), Commercial Trust bldg
McHugh M. & J. B. (Sewer, Paving & Municipal Work), 892 N Markoe
§McKibbin David, 2900 Frankford av
McMahon D. (Street), 5701 Gtn av
•McManus P., Commercial Tr. bldg
McMenamin & Sims, Commercial Trust bldg
McNichol Paving & Constr. Co. (Public Work), 1923 Cherry
§McShain John, 1610 North
§McShane Wm. J., 413 S 13th
MacDowell Sam'l B. & Son, 1927 Montgomery av
§MacTavish Archibald, 1515 Pine
Mack Paving & Const. Co., 20th & Sedgley av
•Mahoney Wm. P., Harrison bldg
Mark Frank Constr. Co., 2816 N 21st
§Mark F. W. Constr. Co., Finance bldg
§Marshall Thos. H., 413 Locust
§Melody & Keating, 1322 Rice
§Mendenhall, Hayes & Son, Drexel bldg
Mercer F. T. Co., 1706 Delancey
§Metzger Chas. S., Denckla bldg
Meyer Wm. Co. Ltd., 206 Quarry
§Metzger & Field, 47th & Bruce
§Metzger & Fisher, Denckle bldg
Meyer Wm. Co., Ltd., 206 Quarry
Meyers F. Guy Co., 908 Chestnut
§Mitchell Bros., 2125 Race
§Mitchell Jas. N., 4 Farragut ter
Monday Chas. E. & Co., 1318 Olive
Mullen Jas. A. (Masonry & Grading), 5512 Vine
§Myers Jacob Sons Co., Witherspoon bldg
§Myers Jos. F. Jr. & Co., Weightman bldg
§Nardy F. Co., 1228 Fitzwater
Nass & Hare Const. Co., 113 Tasker
§Nickson & Duggan, Bailey bldg
§O'Brien Bros., 5624 Chew
O'Connor Wm. F. Co. (Grading), 2540 Callowhill
O'Herron M. & Son (Sewer), 5706 Vine
O'Meara Constr. Co., 253 S Quince
§Orr James W., 6618 Torresdale av
Pawling Geo. F. & Co., 1432 S Penn sq
§Payne Geo. F. & Co., 401 S Juniper
§Payne & Scammell, Land Title bldg
Peoples Bros. (Heavy Masonry, Sewer, etc), 25th & Callowhill
Peterson Robt. M., 5250 Wakefield, Germantown
§Philadelphia Culvert Co., 16th & Washington av
Pomeroy Const. Co., 1609 Ranstead
§Prettyman H. D., 2603 S Broad
§Raff A. Raymond, 1635 Thompson
§Ramsey Bros., 5932 Catharine
Randle Geo. M., St. Girard bldg
§Reeves, Stacy & Sons, 2011 Market
§Reilly Thos., 1616 Thompson
•Reiter, Irwin T. Co. (Sewer, Paving, R. R. & Public), Commercial Trust bldg
§Rimer & Byers, 4842 Hawthorne, Fkd
§Rowland, Alonza, 4322 Pechin, Roi
Roydhouse, Arey Co. (Building Const), Fidelity bldg
Rust Engineering Co., Pennsylvania bldg
§Schlosberg & Cohen, Ann & Aramingo
§Schmid Matthew, 1308 N 6th
§Schultz Sam'l, 3028 N 6th
§Schultz Wm. H., 3340 N Carlisle
Schwartz Jacob (Paving), 2306 N 27th
Seaboard Const. Co., Witherspoon bldg
§Seeds Thos. M. Jr., 1207 Race
•Shanley J. F. Co. (Public), Commercial Trust bldg
§Sheen M. Roy, 450 W Wilton
§Shoemaker Sam'l, Land Title bldg
§Sillers John S., 2020 Alter
Simplex Foundation Co. (Caisson & Bridge Foundation), 3400 Disston
Sinclair Fred W. (Mason), 1629 Winter
§Sipps Geo. L., 912 Locust
§Sladen Geo. E. & Co., 1223 Clover
Smith Chas. & Son, 215 N. 50th
§Smith-Hardican Co., 1606 Cherry
§Snyder Lew V., 205 Ionic
Snyder Paul J. & Co., 176 E Tulpenhocken, Gtn
•Sparks & Evans (Bridge, R R & Public), Abbott bldg
§Speth John V. & Co., 1714 Sansom
§Stafford John, 1112 Chestnut
Standard Constr Co., 1713 Sansom
Steele Wm. & Sons Co., 1600 Arch
§Sutton & Stephenson (Masons), 1317 Washington av
§Tourison Ashton S., Sr., 7014 Boyer, Germantown
Trafford Thos. C., 1613 Sansom
Turner Construction Co., 1713 Sansom
Van Loon F. W., Denckla bldg
Vare Edwin H. (Sewers, Conduits, etc), Lincoln bldg
§Voigt Herman, 1251 N 28th
Wallace Frank E., 1220 Chancellor
Walsh Richard & Sons (Bridge), Orthodox & Frankford ck
Ward Paving Co. (Cement), 2308 N 29th
§Warren Moore & Co., Commercial Trust bldg
§Wehmeyer Harry H., 1004 Lehigh av
Wells James H., Otis bldg
§Welsh Thos. M., 758 S Broad
§Whelan P. J. & J. T., Lincoln bldg
White Barclay & Co., 1713 Sansom
§Whiteside Rush J. & Sons, 2115 Wallace
§Wiggins John R Co., Otis bldg
§Williams Arthur H & Son, 419 Locust
Wilmer Samuel S., 3211 Comly Wissng
§Young Milton W., 2012 Upland Way
Zane A. M., Land Title bldg

PITTSBURGH—Abel A. F., (Pile Driving, Trestles, etc.), 1 Wood
§Alberts W. E. & Son, 367 Lehigh av
American Bridge Co., Frick bldg
§Andrews Engineering Co., Bessemer bldg
§Atkins Alfred, 6346 Walnut
§Baldensperger S. G., Lloyd bldg
Barr J. Toner, 1600 Princess av
Beatty W. D. Co., 900 W. Diamond
§Beatty Bros., 2001 Metropolitan
§Bergman Jos. A. & Son, 2601 Wylie av
Black Peel Co., 308 Anderson
Blendinger Fred. A. (Brick), 824 Spring Garden
Boehmer Chas. & Son, 1904 Gang
Bollinger-Andrews Const. Co., Empire bldg
†Booth & Flinn, Ltd. (Railroad & Municipal, Pipe Line & Tunnel Work), 1942 Forbes
Bothwell & Carson, 1523 Franklin
§Brown B. F., 5992 Centre av
§Bruggeman J. F. Co., 502 Avery (N S)
§Brush & Engel Bldg. Co., 218 Shiloh
Busse Henry & Co., Main & Wabash
Calhoun & Miller, 6200 Penn av
Casey John F. Co., Oliver bldg
•Central Contracting Co., Keystone bldg
§Chambers Henry, 6475 Frankstown av
Cochrane, Geo. A. Co., 1212 Columbus av
Collins-Gordon Co (Masonry, etc), Ferguson bldg
§Conradis August, Oiver bldg
Corcoran J. G. Co., 4 Smithfield
Coutts Thos. Co., 3324 Smallman
§Cowan Jas. S., 419 4th av
Cramer Philip L., 713 Euclid av
Cranford Construction Co., Keystone bldg
Crapper Hedley, Highland bldg
§Crawford D. F. Co., Ltd., 603 5th av
Cronin Thos. Co. (Paving & Sewer), S 17th & Muriel
§•Cuthbert Bros. Co., Bessemer bldg
Davis-Smith Co., 516 Federal
Dawson Construction Co., May bldg
Deakins Herbert, 2311 Palm Beach

Dravo Contracting Co. (Heavy Masonry Shaft Sinking & Government Work, etc.), Diamond Bank bldg
Duquesne Const. Co. Diamond Bank bldg
§Duquesne Contracting Co., Diamond Bk. bldg
Egan Thomas J. (Grading), 1721 Bluff
Eichleay John Jr. Co. (House Raising & Moving)
Enterprise Contracting Co. (Masonry, Trestles, Pile Driving, etc), Bessemer bldg
§Evans A. E., 5 McIntyre av
Faber Engng. & Constr. Co., Bessemer bldg
Fair D. McClure, 6023 Hoeveler
§Fellabom L. H., Wellesley & Heberton av
*Ferguson & Edmondson Co., 317 Augusta
Fetzer-Winger Co., 317 Augusta
Foley Contracting Co., Wabash & Violet
Foundation Co., The, Fulton bldg
§Fuller Geo. A. Co., Oliver bldg
Fullman John G., E. E. Trust bldg
Garage Constr. Co., Grant & Oliver
*§Gillespie T. A. Co. (Railroad, Public & Waterworks), Union Arcade
§Golden & Crick, 3512 Fifth av
Greenwood Const. & Supply Co., 48 Terminal wy
Griffith Concrete & Const. Co., 3513 Bigelow blvd
§Groah B. A. Constr. Co., (Building, etc), 847 W North
Harrison & Meyer, Oliver bldg (Paving)
§Hilf Bros., 13 Gray
Hawley John F., Hostetter bldg
Ingersoll Construction Co., 324 Fourth av
§Kerr R. J. Co., Farmers Bank bldg
Krantz & McCoy, 365 Soho
*Keystone Contracting Co., Keystone bldg
§Kreusler H. L., 3301 Penn av
Laidlaw Adam & Co., Bessemer bldg
Landau Bros., 311 2d av
Lash David H., 720 Grandview av
Lauer J. & Sons (Building), 810 Portland
§Ley Const. Co., House bldg
Lucius Engineering Co. (Contracting & Consulting Engineers), Hartje bldg
McCandless Chas. W., 1208 Palo Alto
McGill Irving H., 347 5th av
§McGinnes Bros., 202 Milvale
McGranor, Jas. G., 1900 Enoch
McLaughlin Contracting Co., Germania Bk. bldg
McLaughlin & McLaughlin (Cement & Concrete), 7309 Finance
McQuade, Jas. H. & Sons Co., Bakewell bldg
McSorley John, 1912 Wightman
Masi Bros., 1246 Grotto
Meals, Sam'l A., 2913 Frederick
Mellon-Stuart Co., Oliver bldg
Miller Constr. Co., Empire bldg
Miller H. & Sons & Co., May bldg
Minsinger Bros. Horace cor. 3rd av
Mohney C. L., 615 W Diamond
Monongahela Construction Co., Oliver bldg
Monongahela & Ohio Dredging Co., Conestoga bldg
§Moore John L., 112 McAlvy
Moorehead H. S. 220 S Highland av
Mullen J. L. Construction Co. (General Rigger), Wabash bldg
Murphy C. E. & Sons, 516 Federal
Murphy Saml. N., Monongahela Nat. Bk. bldg
Naismith Geo. & Son (Brickwork), 6312 Butler
Nat'l Constr. Co., 6120 Jenkins Arcade
Neeld C. M. Const. Co., Oliver bldg
Neelen & Daly, Fitzsimmons bldg
§Negley H. D., 7134 Idlewild
§Nicola Building Co. (Large Building, etc), Lambert & Penn av
North Side Construction Co., Bessemer bldg
O'Herron M. Co., S 1st & McKean
Ott Matthew & Co. (Sewer, Paving, Macadam, etc.), 414 Warrington
§Patterson & Shaw, 30 E Robinson
§Payne W. J., Beltzhoover av
§Peterson Chas. Co., Keystone bldg
Pihl & Miller, Wabash bldg
Pitt Const. Co., Fulton bldg
*Pittsburg Const. Co. (Round Houses, Mill Building, Grading, Masonry, etc), Diamond Bank bldg
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross.
*See adv index at end of book*
Politano D. Bros., 607 Webster av
Powell Wm. T., 508 4th av
Purnell A., 507 Jarvella
Raymond Concrete Pile Co., Union Bank
§Richmond Andrew & Son, 17 Shingiss
*Ridge Bros. Co., 5638 Rippey
Riffie David T., Keenan bldg
Rose & Fisher, 819 Penn. av
Rust Engng Co. (Foundations), Keenan bldg
Ryan M. C., 13 3d av
Sawders Paving & Const. Co. (Sewer, etc), 3317 Biglow blvd
Schellenberg B. F. & Co., Hartje bldg
Schutz, Schreiner & Clyde Co., May bldg
Scott John F. Co., Pittsburg Life bldg
Sell John G., 1518 Warren
Sheets J. B. Co., Kelly & Murtland
§Shenk Henry Co., 132 7th
Siebert W. C., 366 42d
§Smith C. S., Center & Graham
§Standard Construction Co., 900 Union Arcade
Stevens Contracting Co. (Mason), 415 Penn av
Stewart Willard L. E. E. Trust bldg
Swan Robt. Jr. Co., Jenkins Arcade
Swartz & Mennela, Bessemer bldg
†Tennis Co. (R R & Public Works), Vandergrift bldg
§Thompson-Starrett Co., 2d Nat Bk bldg
Toupet, Bell & Conley, 5931 Penn av
§Trimble W. F. & Sons Co., 1719 Penn av
Universal Const. Co., Empire bldg
Walker & Curley Co., E. E. Trust bldg
*Wallace A. L., 819 Sheridan av
Wesel Geo. F. (Concrete), Milwaukee & Orion
§Wherry James & Co., 857 W North av
Wichert E. M. Co., Hartje bldg
§Wilson A. & S. Co., 541 3rd av
Wilson Constr. Co., Fulton bldg

PITTSTON—Allen W. R.
Dershimer & Griffin
Frey Miley J.
Myers Wm.
Turon & Swartz

PLYMOUTH—Watkins Chas. & Son

POTTSTOWN—§Halteman J. L.
Hutt & Knod
§Keiser F. H. & Co.
Rush John H. (Paving, etc)
Wiand Wm. H.

POTTSVILLE—Dietrich Wm. A.
Edwards J. R. & Co.
§Griesbaum Wm. J.
Kilgus Jacob
Koch Theo. B. & Son
§Messersmith Clarence
Portland Contracting Co.
Schum Albert D.

PUNXSUTAWNEY—Harl McKean
Hoffman Bros. (Diamond Core Drilling)
Long J. K. & Son
McGovern P. E. & Co.
Punxsutawney Drilling & Contracting Co.
Punxsutawney Lumber & Supply Co.
Reese Hiram

READING—§Beard Const. Co.
Faust John K. & Son
Focht L. H. & Son
Garman N. H. & Bro.
§Hunter D. H.
Koch Geo. A.
Kretz Adolph H. (Building)
Krick P. Monroe
*Nolan Bros. (Railroad, etc)
§Price R. A.
Reading Contr. Co. (Water Works & Concrete constr.)
Sharp Wm. A.

RIDGWAY—Edwards Wm.
Newburg Carl A.

ROSEMONT—Croll Geo. L.
Gray Bros.
Sim Chas. (Grading, etc.)

ROYERSFORD—Mowry Jacob

ST. CLAIR—Kear H. J.
Thorn W. W.

ST. MARYS—Butsch M. C.
Kerner Philip
Valentine Thos. J., Jr.

SCHUYLKILL HAVEN—Becker Irvin H.
Reed Harry D.
Renninger John H.

SCRANTON—Anthracite Bridge Co.
Apostillico Alphonso
§Baker Wm. E.
Bastress J. N. & Co. (Engrs & Contrs)
§Benore John
§Boland Bros.
§Boland Christ T.
Breig Bros.
*Burke Timothy
§Cadden Michael A.
Caputa Louis
§Davis John C.
Engineering Const. Co. (Sewers, etc.)
Fern Russell E. Co.
Flanagan Stephen & Son
§Fuchs Geo. D.
Gaylord Engng & Constr Co.
Gaynor Contracting Co. (Concrete, Conduit & Paving)
Gibbons Patrick F.
§Hower & Stender (Bldrs)
§Hughes E. G.
Kingsley & Wescott (Breaker Bldrs)
Lathrop, Shea & Henwood Co
Leitner Frank V.
§Lord & Waterman
§Perks John
Richardson R. D. Constr. Co.
§Roberts Robert
§Ruddy M. J.
Ruthven R C. (Paving, etc.)
Sharkey Bros. (Masons)
Simons Bros.
Sprague & Henwood (Drill Diamond Contrs.)
§Spruks Bros.
§Stender Bros.
§Stipp Ludwig T.
§Stonier C. R.
§Stonier Linley J.
§Sykes S. & Son
Trauger B. M. & Son
Trauger Geo. H.
Williams E. S.
Williams, Finney & Belke

SHAMOKIN—§Bilger S. L.
Davis Lumber Co.
Raup's H. P. Sons
Schweitzer Chas. A.
Shamokin Lumber & Mfg Co.

SHARON—Budd B. F. & Son
§Hoagland J. M. & Co.
McIntyre Wm. & Sons (Sewer, Macadam, etc)
Sharon Bldg. Co. (Ltd.)
Weaver C. C.
§Wishart A. & Sons Co.

SHARPSBURG—§Schran J. H.

SOUTH BETHLEHEM—Danzer Wm. F. & Co.
Pfeifle Robert

STEELETON—Muff G. & Co.
Wright E. B.

STROUDSBURG—§Palmer & Dreher
§Shiffer Bros.

SUNBURY—Keefer John S.
§Keefer Peter R.
Rockwell George W.
§Simpson John & Son

UNIONTOWN—Carr Jno. D.
Eggers Charles F. & Co.
Gibson & Knopp
Ingraham Wm. B.
Reagan & Lynch
South Penn. Bldg. Co.
Uniontown Construction Co.
§Vinto & Lyons
Wilkey & Baker

WARREN—§Baker Edwin F.
§Beck Edw. T. & Co.
Dunham O. E.
Engstrom & Samuelson
Gibson & King
§Hamm C. E.
Holmberg Salomon
Offerle & Smith
§Shaw Alex. L.
Swanson J. A.
Uhdey C. W.

WASHINGTON—Pickett Wm. & Co.
Vester, Stewart & Rossell Co.

WAYNE—Johnson Richard H. Co. (Excavating, Grading & Steam Shovel Work)
§Lengel Jonathan D.
Palmer Chas. B.
Rossiter J. Morris

WAYNESBORO—§Warner A. R.

WAYNESBURG—§Biggins Thos.
Blair W. F.

PENNSYLVANIA—continued
WEST CHESTER—§Baldwin C. R.
Burns Jos. M.
Corcoran Construction Co.
§Darlington Howard G.
Farra Harry W.
Farrell M. & T. E.
§Griffith E. R. & W. H.
§Jefferis P. E.
§Jones Wm. H.
§Smedley & Hoopes
WILKES-BARRE—Amesbury Wm. H.
Barney Chas. J.
Behrens O. J. & Son
§Curtis John & Co.
Dickover George T. & Son (Heavy Masonry, etc), Simon Long bldg
Dobson W. H.
Eckenrode Bros.
Eddy F. W.
Evans Bros. & Co.
Eyerman Edw.
Gaynor J. M. & Co.
Hildebrand A. M.
Hughes Richard
Isaacs R. D. & Son
James John E.
Kehoe & Mowery Co.
Kline Dan'l M.
Lange Ferdinand
Leach I. M., Jr.
Long E. T. & Co.
Mailander Herman
Mandeville Co.
Melan Henry J.
Mitchell James J.
Moyles William
Newberry, S. W. (Concrete)
Reilly Cornelius M. (Sewer )
Ritchie John C.
Ross Giles
Roth M. L.
Schmitt John A. Sons
Schmitt & Co.
Shepherd Construction Co.
Smith Wilson J.
Thomas John R.
Walborn & Barney
WILKINSBURG—Adams Jacob A. & Son
Hoffman F. Co.
Holmes J. S. & Son (Brick)
Iron City Stone & Const. Co.
Lose W. L. Co.
Peffer E. Z.
Robinson & James
Smith S. L. & Co.
Steele Bros. (Brick)
WILLIAMSPORT—Bennett Jas. V. & Co.
Busch & Stewart
§Crandall Bros.
Coryell B. H.
§Everhart A. C. (Large)
Gehron Jacob & Sons
§Hartman Bros. (Builders, etc)
Hartman John H. & Bros.
Huffman's W. H. C. Sons
Kimble Walters S
Larrivee Sam'l (Large)
Waltz A. H.
Woodnutt C. E.
YORK—General Supply & Constr. Co.
§Gilbert Geo. W.
§Hake A. M. & Co.
Kraft A. B. (Paving)
§Menough Jas. L. & Son
York Bridge & Constr. Co.

## RHODE ISLAND.

EAST PROVIDENCE—McCormick Joseph
NARRAGANSETT PIER—Briggs Geo. T.
Bristow John
Church J. Winfield
Congdon Alphonse
McIntosh, A. L.
NEWPORT—§Booth Alexander
§Curry Robert W.
Darling-Slade Const. Co.
Fagan & Gillis
Fludder A. J. (Mason)
§Johnston J. D.
Keeher Thomas F.
Kelly John J.
Kirwin Bros. (Masons)
McCormick M. A.
§McLean D.
§Mason J.
Radford John & Son (Mason)
Sullivan, J. F.
Tanner B. F.
White Benj. T. (Mason)
PAWTUCKET—Cruise & Smiley Const. Co.
§Greene, Philip
Kilroy Wm. E. Co. (Mason)
§Murphy Louis A.
Rowley Frank G. Co. (Heavy Construction)
Smiley Albert F.
Smith Benj. F. Co. (Large)
Willmarth-Mackillop (Inc.)
PROVIDENCE—Ahlborg Olaf, 17 Wildwood av
§Anderson A. M. Co., 67 Algonquin
§Barry David J., 64 E Manning
Beck Vere W., 58 S Water
Bennett M., 50 Hedley
§Benson Emil & Son, 340 Willard
Bigney C. I. Constr. Co., 898 Westminster
§Bishop J. W. Co. (Large)
Briggs Engng. & Constr. Co., 75 Westminster
Buonanno & Marcello Co., 583 Laurel Hill av
§Candelet J. E. & Co., 10 Warrington
Carlson Oscar W., 86 Gallatin
Cianci Joseph & Son Co., 12 Ring
§Douglas Wm. & Co., 109 Waterman
§Evans H. R. & Son, 10 Mathewson
Famiglietti Bros. Co., 166 Broadway
§Fraser & Ross, 64 Dexter
Furlong John W. & Co. (Mason), 46 Benevolent
Gammino Frank A. (Sewer, Water Works, Highway, Railroad, etc.), 331 B'way
Gibbons Edward, 203 Montgomery av
§Gilbane Building Co., Calverley
Halcrow Wm. J. Co., 88 Clifford
Hamlyn W. H. & Son, 35 Greenwich
Harding P. E. Const. Co., 86 Weybosset
§Hope Building Co., Industrial Trust bldg
§Houlihan Michael J. (Large), Grosvenor bldg
Humes Construction Co., 76 Dorrance
Interstate Constr. Co., 29 Weybosset
Learned A. C. J. Co., 7 Charles
Lynch James H. (Cement), 501 River av
McKendall Frank D., 519 Charles
McKinnon Construction Co., 70 Water
§McLeod John, 517 Hope
MacDuff Robert A. & Co., 376 Richmond
Maguire Chas. B. Co., Turks Head bldg
Mahoney & Coffey, 29 Weybosset
Manchester Albert C. Co., 136 Dorrance
Mauro Vincent, 203 Federal
Merchant A. W., 86 Weybosset
Meyer Jacob A., 352 Ormis
Murray & Lamb, 13 Hayden
Norton John, 47 S Main
§O'Neill Maurice R., 143 Dyer
Pierce Frederick L., 74 Weybosset
Providence Bldg. Co., Grosvenor bldg
Purington O. D. & Co., Ind. Trust bldg
§Raftery John T., 55 Candace
Rhode Island Constr. & Supply Co., 18 Marvin
R. I. Paving & Granolithic Co., 27 Penn
Soren & Kelman, 230 Saratoga
§Sundberg Nils M., 11 Somerset
Turgeon E., 86 Weybosset
Williams William, 86 Weybosset
WAKEFIELD—Bell Louis F.
§Brown James W.
§Oatley Lincoln N.
§Potter Chas. F.
WARREN—Loughran Thos. J.
Smith Richard
WESTERLY—Eccleston Chas P.
Kenyon H. T. & Co.
Nardone Samuel & Co. (Masons)
Sherman Isaac
§Sherman's R. A. Sons Co.
WOONSOCKET—Aubin Wilfrid
Bouvier J. C. N.
Breault Geo. (Mason)
Daigneault A.
Eastern Const. Co.
Fleurant J. F. & Son

## SOUTH CAROLINA.

CHARLESTON—Charleston Engng. & Contr. Co.
§Kanapaux C. & Co.
Simons, Mayrant Co. (Engrs. & Contrs)
CHESTER—§Carpenter J. C.
COLUMBIA—Black & Coulter Co.
McNulty F. D.
Waring Geo. W.
GREENVILLE—Fiske-Carter Const. Co.
Gallivan Building Co.
§Jamison & Morris
Jordan W. M.
§Skelton & Owens
§Slattery & Henry
ROCK HILL—Pope L. A.
*Stewart-Jones Co.
SPARTANBURG—Willard, Boggs & Co.

## SOUTH DAKOTA.

ABERDEEN—§Easton, Vance & Co.
Jonason S. W. & Co.
HURON—Jaehn Frank Const. Co.
Nelson Constr. Co.
Robertson James Madison
MITCHELL—Kings A. J. & Son
Rjodstrup Howard
RAPID CITY—Hutton & Lane
Ryther, L. R.
WATERTOWN—Brickell Const. Co.
Atkinson C. H. Paving Co. (Concrete)
Gray Const. Co.
YANKTON—Ellerman & McLean
Goetz Const. Co.

## TENNESSEE.

CHATTANOOGA—Adams & Schneider
§Becking Geo. & Son
Brandon D. F.
Chambers & Son
Chickamauga Quarry & Const. Co. (Heavy Masonry, etc)
Coffey D. L.
Guild & Co. (Sewer)
Gulf Paving Co.
Hahn A. F.
Lieker Fred'k
Moudy T. S. & Co.
Mountain City Cabinet Co.
Noll Const. Co.
Rogers Const. Co.
Rogers P. O. & Son
Sloan & Co. (Cement)
Smallwood Co.
Southern Paving Const. Co.
Stein Construction Co.
Wesco Co.
Westcott R. L.
West Const. Co.
Wilson Mark K.
GALLATIN—§Simpson W. A. & Son
KNOXVILLE—Brimer & England Bros.
§Callahan Const. Co.
Dunn J. M. & Son
King Const. Co.
*Kreis H. & Sons
§McMurray & La Rue
*Oliver Wm. J. Mfg. Co. (Railroad & Public)
Thomas & Turner
MEMPHIS—Alexander James Const. Co.
Canal Const. Co.
Cheshire R. L., 1118 Peabody av
Creson Robert F., Builders' Exch
§Hollingsworth J. E. & Co.
*Jennings Martin & Bro. (R R & Levee), 1275 Neptune
Kancher Hodges & Co. (Engngrs.)
Koehler Bros.-Fowler Const. Co. (Paving), 68 Court av
Larkin & Co. (Concrete & Paving)
*Lowrance Bros. & Co. (R R & Levee)
McGinnis N. C. & Co. (Drainage)
McWilliams R. H. & G. A. (Dredging)
Miller Chas. R. Co. (Sewer & Paving), 556 Suzette
Olsen & Lesh (General), Exchange bldg
§Roach M. J. & Co., No Mem Sav Bk. bldg
§Roach & Stansell, No Mem Sav Bk bldg
Streicher H. P. Co.
§Thomas D. D. & Son
Young F. B. & Son (General), Mem Trust bldg
NASHVILLE—Bush Building Co.
§Carter C. C. & Sons
Curtis T. I. & Son
*Foster & Creighton Co. (Large Masonry, Bridge, Railroad, Dams, etc)
Foy-Proctor Co.
Fulcher Brick Co.
Griffin H. & Bro.
Holladay E. G. Co.
§Howell J. L. & Son
Leftwich W. M. Co.
Lightman M. A. Co.
Lewis Bros. Co. (General)

## TEXAS.

AUSTIN—Fiegle Geo.
Fisher & Lambie
Ledbetter & Greathouse
BEAUMONT—International Creosoting & Const. Co.
CLINE—Uvalde Rock Asphalt Co.
DALLAS—Callahan W. E. Constr. Co.
Gibsonite Constr. Co.

Hedrick W. E. Constr. Co.
Hughes & O'Rourke Const. Co.
Klein Bros. Co.
Link H. W.
McCavick Const. Co.
Moore G. W. Const. Co.
Standard Engng. & Constr. Co.
Texas Bithulithic Co. (Paving)
§Watson Co.
DENTON—§Johnson J. J.
Whitlock M. B. & Co.
EL PASO—Carson Nick H.
Dudley & Orr
Manning L. H. & Co., Inc.
Morgan J. E.
Ponsford H. T.
Ware Vernon E.
FORT WORTH—Bryce Building Co.
Davis B. F. & C. M. Co.
Drake-Brannum Const. Co.
General Construction Co.
Lusher & Rockett
*United States Engineering & Cons. Co.
GALVESTON—§Bowden Mills C.
Bowers Southern Dredging Co. (Marine)
§Coyle Bros.
Freund Frank (Sewer)
Good Roads Constr. Co.
§Gross Construction Co.
International Creosoting & Const. Co.
§Janssen Wm. H.
Lucas Wm.
§Moody John
Suderman & Young
Vantrin Peter J. (Paving)
§Zempter J. W.
HOUSTON—American Const. Co. (General)
Antill Jos.
Atlantic Gulf & Pacific Co.
Eureka Paving Co.
*Horton & Horton (R R & General)
Humphreville W. E.
Lockett A. M. & Co. (Ltd.)
Lucas A. T.
Price A. D. Co.
Texas Bitulithic Co. (Paving)
Texas Grading Co. (Grading, etc.)
SAN ANTONIO—Alamo Constr. Co.
Boelhauwe Chas. G.
Coleman & Jenkins
Elder Bros.
Hagy W. N.
Jones H. M. Constr. Co.
McKenzie Constr. Co.
Richter R. E. & Son
§Scott H. L. & Co.
Weston & Kroeger
Wright & Sanders
SEGUIN—Goodrum John W.

## UTAH.

LOGAN—Worley & Nelson
OGDEN—*Corey-Taylor Constr. Co.
Intermountain Concrete Co.
§Isakson P. A.
*Utah Constr. Co.
Wheelwright Constr. Co.
PRICE—Harris C. S.
SALT LAKE CITY—Adamson G. H., 1325 Green
Alston & Hoggan, Contl. Nat. Bk. bldg
Banks Bros. Construction Co.
Biesenger Geo. L., 865 Downington av
Brittain J. H., 345 Sherman av
Burke J. J. & Co., Kearns bldg
Campbell Bldg. Co., Newhouse bldg
Carter C. G., 27 W 3rd, South
Chamberlain R. T. & Sons, 142 E 5th, So
*Christensen Constr. Co., Felt bldg
Chytraus Olaf, 555 E 8th, So
Continental Contracting Co., Kearns bldg
Dean W. J., 1861 10th, E
Dundas E. H., 1501 2d, E
Gilkerson Constr. Co. (Paving), 26 Richards
Gray G. G., 51½ W 3d, South
§Hodgson Oliver, 265 E 7th, So
Holt John, 950 E 1st, So
Koch E. B., 28 4th E
Lynch-Cannon Engng. Co. (Design Constr. Equipment), Dooly bldg
Lynch Constr. Co., McIntyre bldg.
Mickelson A. P., 511 9th, E
Moran P. J.
Murfitt J. H., 1310 5th E
Nilson Olaf, 1966 4th, E
Richards W. B. Jr., 2026 McClelland
Salt Lake Mill Co.
§Schraven J. F. & H. E.
Sherrill S. C., Kearns bldg
Smith Enoch, Kearns bldg
§Staats C. B. & Son, Nat. Bank bldg
§Taylor A. G., 1151 W 4th N
§Timms Thos. L., 253 6th av
§Vadnais H. L., 22½ W 7th, So
§Wattrous Roy, 249 Edison
*Wattis L. R. Co., Newhouse bldg
§Wheelon E. R., 825 E 9th, So
Winegar R. J., 1020 E 17th, So

## VERMONT.

BENNINGTON—Carpenter T. A. & Sons
§Rockwood & Buss
BRATTLEBORO—§Croll Geo.
§Hall Ernest S.
§Holden E. M.
§Pellett & Skinner
BURLINGTON—§Belding E. W. & Sons
Bergeron J. L. & Son
Lapoint & Sullivan
Spear Bros.
MIDDLEBURY—Rogers & Wells
Ross C. W.
RICHMOND—§Terrien A. & Co. (Masons)
RUTLAND—§Remington F. H.

## VIRGINIA.

BERKLEY—Jones John W.
CHARLOTTESVILLE—§King Lumber Co.
CLIFTONFORGE—Emswiler L. A.
DANVILLE—Deitrich Wm. H.
Osborne H. A. & Son
Pearson H. T.
FREDERICKSBURG—Heflin, E. G.
Stearns Frank P.
GROTTOES—Eutsler Bros.
HAMPTON—§Richardson R. V.
Tennis F. L. (Bridge & Wharf)
LYNCHBURG—Bennington S. B.
Hamilton Bros.
Hancock C. W. & Son
McKinney J. T. Construction Co.
Moormon Bros. Co.
§Pettyjohn J. P. & Co.
Smoot & Sheehan
Snead W. B. & Co.
Womack C. W. & Co.
NEWPORT NEWS—Alsop & Peirce (Industrial Plants)
§Antonio & Smith
Davis J. W.
Downing J. E.
Harwood & Moss
Phillips D. E.
Williams J. H. & Co.
NORFOLK—Addenbrook's J. U. Sons (Cement)
Atkinson W. E.
Baker & Brinkley
Barclay John E.
Brent W. F.
Cahoon & Hudgins
Consolvo & Overmyer
Coster August
Cox G. F.
Dunnavant C. E. Contracting Co.
East & Hobbs
Forbes E. M.
Gregory W. T.
§Griffin Bros.
Hart Edward
McGuire F. J. (Sewer)
Myers E. L.
Nichols & Lindeman
Norfolk Dredging Co. (River & Harbor)
Pierce John H.
Porter J. N. W.
Richardson R. R. & Co.
Ruth Perry W. & Co.
*Sanford & Brooks Co. (R. R. Dredging, Harbor & Government Work)
Sawyer W. F. & J. T.
Turpin J. A.
Williams S. G. & Co.
PETERSBURG—Brister & Knowles
Harrison Const. Co.
Perkinson & Finn
Rowell J. C.
PORTSMOUTH—Boswick Jas. R.
Hutchins S. B. Jr.
Ogg A. (Stone)
RICHMOND—Ancarrow Newton E.
Anderson R. M. & Co., Lyric bldg
§Atkinson J. W.
Atlantic Bithulithic Co. (Paving)
Bass E. L. & Bros., 708 Bainbridge
§Beveridge W. H. Jr.
Black K. L. & Co., Inc., 110 N. 7th
Bradley W. B. Const. Co., nr 17th
Calligan A. H. & Co., 1001 E. Main
Davis Bros. Inc.
Ferguson H. E.
Fox Jas. & Sons
Gasser Chas., 814 W Cary
George H. H. Jr., 1831 Monument
Gilman J. W. & Son, 1102 E. Main
§Houston A. C. & Son
Hunt Gilbert J.
Jenkins L. Chastine
McClay A. W.
Matthews Harry L.
Maynard A. W. (Paving & Sewer)
§Newell T. D.
§Newell Wm. B.
§Nuckols John T.
§Pollard C. W.
Ragland W. L. & Son
Siewers Richard A.
Tiller Geo. W.
Virginia Realty & Constr. Co., Inc., 1422 W. Gary
Walkup Alva M. Co.
§Wilson John T. Co. (General), Mutual bldg
*Winston & Co., Amer Nat Bk bldg
Wise Granite & Constr. Co.
ROANOKE—Bexall W. W. & Co.
Markley C. (Municipal)
Marshall A. L.
*Sheahan Constr. Co.
*Williams Bros. Constr. Co.
STAUNTON—Blackburn John H. & Son
SUFFOLK—*Darden J. M.
Stallings A.

## WASHINGTON.

ABERDEEN—Creech & Walker Const. Co.
BELLINGHAM—Booker & Campbell.
Chishom C. H.
Dickinson Geo. A. (Excavating)
Lind C. E. (Grading)
Sauset K. (Street & Sewer)
§Trede John H.
BREMERTON—Kenyon Jas S.
CENTRALIA—Albert Matt S.
Johnson & Brown
COUPEVILLE—Todd & Lyons
ELLENSBURG—§Ackley & Luff
Ames Wm. O.
Ferrier E. L. & Co.
EVERETT—American Pile Driving Co. (Bridge & Concrete Works, etc)
Everett Const Co.
§Kelly C. & Son
McAdam R. B.
Organ & Stohr
Snyder J. B.
§Wright H. S.
KENNEWICK—§McReynolds A. V.
NORTH YAKIMA—Valley Const. Co.
OLYMPIA—Weller W. A.
White & Wright
SEATTLE—Bates & Clark Co. (Engrs. & Contrs.)
Bennett Frank H.
Booker, Kiehl & Whipple, Central bldg
§Boutan Victor, 1519 Terry
Brandt Harry
Bromley H. C.
Brown Robert, 115 N 10th
Chamberlain Const. Co.
Clapp J. M. (Engr & Contr)
Coles Constr. Co., L. C., Smith bldg
Craftsman Bungalow Co., Empire bldg
*Daley Chas. & Co., Railway Exchange bldg
Doty O. M., 1701 9th
Ellis L. R., Central bldg
Factribilt Co., 600 Terry av (Building)
Finne & Gjarde, Northern Bk bldg
Frantz J. J., New York blk
Galber John
Geske C. & Co., Inc. (Pile Driving)
Graff Construction Co.
Harrington-Peters A. Co., Oriental bldg
Henrickson & Co., Globe bldg
Holt & Jeffery
Hord Bros., 1015 Eastlake av
Independent Asphalt Paving Co.
*Johnson C. J., Railway Exch bldg
Layton Fred'k W., Haller bldg
Lewis Wiley & Morse (Hydraulic)
McEachern J. A. Co. (Bridges, Piers, Foundations, etc)
McHugh P. J. Paving & Construction Co.
McLellan Frank X.
Macrae Bros.
Manhattan Contracting Co., Central bldg
Meismer W.
*Morris C. L. (R R, Paving, Sewer, Irrigation etc)
Mortensen & Kelton, 1509 7th
Nettleton-Bruce-Eschbach Co.
Normile Simon (Grading)
Olson-Nicholson Co., Inc., Arcade bldg
Pacific States Construction Co., Ry. Exchange bldg
Pattison Oscar A., N. Y. blk

WASHINGTON—Seattle—continued
Pederson Hans
Puget Sound Bridge & Dredging Co. (Dredging, Bridges, Foundations, Piers, Harbor, etc)
Quist A. W. & Co.
Rice L. M. & Co. (Hydraulic & R R Engrs. & Contrs.)
Rockford John C., White bldg
Smith Grant & Co.
Sound Construction & Engineering Co.
Sparger Concrete Co.
Stewart Hope D., Amer Bank bldg
Stillwell Bros., Inc.
Sylliaasen & Sando, Downs bldg
Tolman J. H.
United Building Co., White bldg
Weymouth Construction Co.
Woeck & Behrens, Arcade bldg
SPOKANE—Broad James
Bush Thos. G. & Co., Pulsen bldg
§Colonial Building Co.
Diamond Drill Contr. Co.
*Hansen Otto, Empire State bldg
Huetter Construction Co., 1101 N Division
Hurley-Mason Co.
International Diamond Drill Contracting Co.
Jasper Chas., Hyde bldg
*McCreary & Willard (Railroad & Public)
Mitchell Bros.
Norman N., Mohawk bldg
Peterson P. L.
Phair Fred, 416 2d
*Porter Bros. Co. (Railroad & Public), Old Natl Bank bldg
Rajotte Fobart & Winters, Zugler bldg
Skinner H. J., Eagle bldg
Smith Grant & Co.
*Welch P. & Co. (Public Works)
Willett & Camp Co.
TACOMA—§Bonnell Jas. E. (Builder & General)
Burgeson Chas. F. & Son (Bridge, etc.)
§Cornell Bros. (Builders, etc)
Hurley-Mason Co. (Concrete, etc)
Knoell Bros., 1211 S L
Larson O. F., Prov. bldg.
McHugh & Johnson
Murphy W. J. (Concrete, etc.)
Nichols J. M. & Co.
Tacoma Pile Driving & Const. Co.
Tweeden & Mills, Prov. bldg
Walla Walla Const. Co. (General)
McLean J. A.
Walla Walla Const. Co. (General)

## WEST VIRGINIA.

CLARKSBURG—Richards Const. Co.
Shrum Andrew L. & Co. (Brick)
FAIRMONT—Holbert & Spedden Co.
Kisner John M. & Bro. Lumber Co.
Minor C. E.
HUNTINGTON—Diamond Const. Co.
Harrison & Dean, Inc.
Henson P.
McNulty C. W. Co.
Minter Homes Corp.
Taylor V. E.
Taylor & Robinson
§*YON T. L. & Co., Box 1554
KEYSER—Liller W. A.
Moran L. E. (Mason)
MORGANTOWN—Chaplin Benj. M. Co.
PARKERSBURG—Keenan Samuel
WHEELING—Butts J. R. Sons Co.
Fair H. W.
Hallock L. G. Son & Co.
§Kimberly C. B. Co.
Ogden & Bauer
Perkins & Jackson
Woods J. Lee & Son

## WISCONSIN.

ANTIGO—Otis J. W.
APPLETON—Appleton Const. Co.
Blake Constr. Co.
Campbell & Morgan (Cement)
Green & Sons Co.
Hackworthy Const. Co. (Heavy Bldgs, Concrete & Steel Bridges)
§Hegner Construction Co.
ASHLAND—Jacobs Barney
§Pugh & Rundlett
Sandstrom John
Scott-Taylor Co.
Tomlinson Frank
Tomlinson & Egan
BARABOO—§Graf Henry C.
§Isenberg Bros.
Judevine A. & H.
BELOIT—Cunningham Bros.
Dearhammer A. L.
Fitzgerald Wm. J.
Magill W.
Quinn W. H.
BERLIN—Ceman Julius F.
§Kramp A. J.
EAU CLAIRE—Eau Claire Constr. Co.
Fish E. M. Co.
§Hoeppner-Bartlett Co.
FOND DU LAC—Hutter Const. Co.
Immel Const. Co.
§Nickel-Lyneis Constr. Co.
O'Connell Thos.
GRAND RAPIDS—Arpin J. B. Dredging Co. (Marine)
Rood Constr. Co.
GREEN BAY—Agamite Edward
Garot Edward (Sewer)
Green Adolph (Public Work)
Greiling Bros. Co. (Harbor & Public)
Selmer Henry J.
Servotte Ernest W.
JANESVILLE—Cullen J. P. Construction Co.
Denning J. A.
Donahue Edward
§Ford, Boos & Schoof
Hager Julius (Mason)
Janesville Contracting Co.
Summers A. & Son
§Van Pool Bros.
JEFFERSON—Krusing Geo. G.
KENOSHA—Jensen Emil
Knudson Knud P.
Larsen Fred (Mason)
Windorf Bros.
LACROSSE—Lacrosse Stone Co. (Paving, etc)
Mitchell A. H.
Molzahn & Lyons (Cement)
Nelson Peter & Son
Schwalbe Frank R. & Sons
Stormost Jas. & Son
Wallace J. E. (Mason)
LAKE GENEVA—§Soutar R.
LANCASTER—Brooker Robert
Rich C. E. & Co.
MADISON—Blake John T. (Cement)
§Capital Constr. Co.
Copps Bros.
Doran M. M.
Faber Peter
Fass Jas. & Co.
Findorff J. H.
Frederickson A. D. & J. V.
Fritz C. B. & A. K.
Gilbert L. B.
Hanson Fred
Luetscher Jacob J.
McCarthy T. C.
Mitchell J. W.
Morgan & Morgan (Masons)
Quinn Nicholas
MANITOWOC—Gray-Robinson Constr. Co.
McMullen & Pitz
Murphy Const. Co. (Concrete Work, Paving, etc)
Tomcheck A. C.
MARINETTE—Utke Julius E.
MERRILL—§Torkelson & Hesterman
MILWAUKEE—Aetna Constr. Co., Merrill bldg
Austin Const. Co. (Concrete, etc), Matthews bldg
Badger Constr. Co., Ry Exch bldg
Barber Asphalt Paving Co. (Paving), 1st Nat'l Bank bldg
§Bossert O. H. Co. (Concrete Const), 848 Jackson
§Brockman Sam'l J., 444 Milwaukee
§Buestrin Const. Co. (Wrecking, General Bldg), 567 E Water
Christiansen Bros., 469 1st av
City Const. Co., Pereles bldg
Clos Const. Co., 721 Cramer
Columbia Constr. Co., 425 E Water (Railway)
Conrad J. B. & Son, 1028 National av
Croft Stephen P. (Grading), 587 49th
Dahlman Const. Co., Majestic bldg
Danielson Daniel, 874 Layton blvd
Donahue J. & Sons (Paving, Grading & Teaming), 318 Bradford av
Donahue & Co. (Concrete Construction & Concrete Paving), 318 Bradford av
Emerson F. M., 1570 Stowell pl
Ferge Henry, 421 Milwaukee
Forrestal Chas., 2908 Chestnut
Foster Const. Co., Caswell blk
§Fuldner Const. Co. (Concrete), Majestic bldg
General Concrete Co., 995 30th
Gillen Edw. E. Co. (Dock, Dredging & Piling), Wells bldg
Great Lakes Dredge & Dock Co. (Dock Dredging & Piling), 1491 Canal
Gumz, Gutknecht & Wussow (Grading), M. & M. Bank bldg
Hanel A. B. Co., 118 Locust
Hansen Constr. Co., First Nat. Bk bldg
Hildebrand Fred (Grading), 1315 Forest Home av
Hoeppner Richard (Mason), 1815 Teutonia av
Hohensee Herman (Sewer), Oakland & Linnwood av
§Holstein Aug., 1726 Chestnut
Jennings & Ross Co., B'way & Chicago
Jeske Gust. J. & Son (Mason),, 1089 Richards
Jones John P. (Mason), 386 Kenilworth pl
Kasdorf Walter G., 1099 Halton
Kelling H. C. Const. Co., 885 7th
Kiesslich Ed. R. (Concrete), Hartford & Maryland avs
Kroening Construction Co. (Mason), Majestic bldg
§Langenberger Const. Co., 302 6th
Luenzmann Frank Co., 1912 Prairie
Madson, Christensan & Ingbretson, 379 31st av
Meredith Bros. Co., 1043 Kinnikinnic av
Meyer Const. Co. (Sidewalk), Merrill bldg
Milwaukee General Constr Co., 857 8th av
Milwaukee Sidewalk Co. (Concrete Construction), Matthews bldg
§Monsted A. Co., Pabst bldg
National Builders Co., 157 Michigan
Newton Engng. Co., 221 Grand
§Nuedling A. & Son, 998-16 (Mason)
Payne H. J., Caswell blk
Pfister Ludwig O. (Grading), 600 21st av
Raulf The Co., Patton bldg
§Reinhardt C. H., 436 20th
Reisinger Robt. L. & Co. (Mason), First Nat'l Bank bldg
Rice P. J. (Sidewalk), 459 Layton blvd
Riesen Arthur W., University bldg
Riesens Paul Sons, 1018 Humboldt av
§Schmitt H. & Son, 430 Farwell
Schuett & Frey (Mason), 791 Well
Sneddon D. M. Co., 635 Wentworth av
Steigerward Ed. & Sons (Mason), 2303 Galena
Steinhagen & Klinger, M & M Bk bldg
Sterling Engng. & Const. Co. (Concrete), Caswell blk
Szukalski Thomas (Sewers), 1089 American
Taddey Adolph G. (Mason), 744 46th
Taddey F. W. (Mason), 1705 Chestnut
Tubesing Wm. F. Co. (Concrete), 139 Chestnut
§Tullgren Martin & Sons, 425 E Water
Van Rhiensen Constr. Co., 502 53d (Carpenters)
Vitrolite Constr. Co., Caswell blk
Werner Washington T. (Sewers), 632 52nd
White Const. Co. (Paving), 425 E Water
§Williams Wm. G., 352 Jackson
Winter Wm. F. (Mason) 1025 2nd
Wisconsin Cement Const. Co., 1000 Humboldt
Wisconsin Tunnel & Const. Co., 221 Grand av
Worden-Allen Co. (General), Pt. Washington rd
Wussow H. A. (Grading), 191 Concordia av
Yunker Bros. (Mason), 615 37th
Zimmermann Geo. E. (Sewers), 3102 McKinley blvd
MONROE—Isely Samuel
Wagner & Bauman
NORTH MILWAUKEE—Coddington Engineering Co. (General)
Ideal Constr. Co. (Sewer)
OCONOMOWOC—Anderson G.
Otto E. O.
Nelson Webster Const. Co.
OSHKOSH—Fluor Bros. Const. Co.
Ganther & Krover
Johnson Chris & Son (Sewer & Paving)
Larsen Construction Co. (Street Work)
§Mace Edw.
Marden P. L. & Bro. (Paving)
Meyer C. R. Sons Co.
Rasmussen John & Sons Co. (Sewer, Excavating, Grading, etc.)
PLYMOUTH—Radloff Frank
Schultz C. B.

PORTAGE—Brodie Harry C.
RACINE—Anderson Hans
§Birdsall R. R. Const. Co. (Public)
Cape Jas. & Sons Co. (Sewer, Paving, Excavating, etc)
Galloway P. W. (Breakwater & Harbor)
Gillen Edw. Dock, Dredge & Const. Co. (Dredging, Dock & Harbor)
§Greene F. J. Engng. Wks. (Public)
Harcus Adam H.
Harding E. R. Co.
Jacobson Anton (Mason)
Kapple Andrew C
Nelson Robert (Sewer)
Nelson & Co.
RICHLAND CENTER—Miner Co.
SHEBOYGAN—Ackermann Christ & Sons (Masons)
Braun J. M. (Paving)
Central Constr. Co.
Geib Frank
§Quasins Geo. H.
SUPERIOR—Dauplais A. J.
§Diffor John
Hill Wm. F.
Johnson & Baum
McKenzie Alex (General)
Russell Constr. Co.
Schmidt Bros. (General)
Whitney Bros. Co. (Marine)
TWO RIVERS—Reis John
Wolfe F. L.
WATERTOWN—Bartlett Edward (Sewer, Paving, etc)
Mallow & Kadditz (Masons)
WAUKESHA—Boortz Fred
Butler Constr. Co. (Sewer)
Dwinnell & Laughlin
§Smith Frank S.
WAUPACA—§Knudson H. P.
§Nelson A. G. Lumber Co.
Phillips C. H.
WAUSAU—Anderes John & Son
Krause F. W. (Building, etc)
WEST ALLIS—Marks Bros. Co.
Slattery Austin
WHITEWATER—Slattery Austin (Cements)
Whitewater Bridge Co.
Whitewater Constr. Co.

## 3044a—Contractors (Dam, Concrete and Masonry)

McMullen Arthur Co., 149 B'way, New York
Western Bridge & Construction Co., Omaha, Neb.

## 3045—*Contractors (Docks, Bulkheads, Foundations)

Chesley, Earl & Heimbach (Inc.), 20 Breckenridge, Buffalo, N. Y.
**RAYMOND CONCRETE PILE CO.** (Concrete), 140 Cedar, New York

## 3046—Contractors (Dredging)

### CALIFORNIA.

LOS ANGELES—North American Dredging Co., Central bldg
OAKLAND—Veitch W. T. & Bro.
SAN FRANCISCO—American Dredging Co., 255 California
Dutton Dredge Co., 16 California
Healey-Tibbitts Construction Co.
North American Dredging Co., Mer. Exch. bldg
Pacific Coast Dredging & Reclamation Co., 112 Market
San Francisco Bridge Co., Nevada Bk. bldg

### CONNECTICUT.

BRIDGEPORT—Bridgeport Dredge & Dock Co.
NEW LONDON—Scott T. A. Co.

### FLORIDA.

TAMPA—Hillsboro Dredging Co.

### GEORGIA.

SAVANNAH—Globe Dredging Co.
Ross P. Sanford, 16 Bryan, E

### ILLINOIS.

CHICAGO—Byrne Bros. Dredging & Engineering Co., 208 S La Salle
Ewing W. R., Inc., 112 W Adams
Fitzsimmons & Connell Dredge & Dock Co., 10 S La Salle
Great Lakes Dredge & Dock Co., 101 S Michigan av
McWilliams R. H. & G. A., 332 S Mich. av
PITTSFIELD—Wills A. V. & Sons
ROCK ISLAND—Davis T. B.

### INDIANA.

FORT WAYNE—Foohey Timothy Dredging Co.
LAFAYETTE—Ewing & Brockenbrough
LEBANON—Hosford R.
ROYAL CENTER—Indiana Dredging Co.

### LOUISIANA.

FRANKLIN—Huth N. G. Dredging Co. (Ltd.)
NEW ORLEANS—Jahncke Navigation Co., 814 Howard av

### MARYLAND.

BALTIMORE—McLean Contracting Co., Fidelity bldg
Maryland Dredging & Contracting Co., Fidelity bldg
Sanford & Brooks Co., Water & Commerce

### MASSACHUSETTS.

BOSTON—Bay State Dredging & Contrg. Co., 247 Atlantic av
Breymann G. H. & Bros.
Gerrish Dredging Co., 101 Tremont.

### MICHIGAN.

BENTON HARBOR—Bakeman Geo. F.
Mills G. A. & Son
DETROIT—Dunbar & Sullivan, Dime Bk. bldg
Gray Edward, ft Continental
Griffin M. J., 169 Stanton av
Lakeside Dredging Co., Penobscot bldg
HOUGHTON—Pryor Jas. & Son
PORT HURON—Muir-O'Sullivan Dredge & Dock Co.
SAULT SAINTE MARIE—Great Lakes Dredge & Dock Co.
Hickler Bros.

### MINNESOTA.

DULUTH—Duluth-Superior Dredging Co.
Great Lakes Dredge & Dock Co.
Northern Dredge & Dock Co.
Zenith Dredge Co.
ST. PAUL—Butler Bros., Exch. Bank

### MISSOURI.

ST. LOUIS—Rust & Swift

### NEBRASKA.

OMAHA—Crane Fred M. & Co.
Pollard & Campbell

### NEW JERSEY.

ATLANTIC CITY—Hill Dredging Co.
BAYONNE—Packard R. G. Co.
CAMDEN—Am. Dredging Co.
JERSEY CITY—McSpirit John & Joseph, 118 Wayne
Ross P. Sanford, 277 Wash'n
Stillman F. M. Co., 26 Exchange pl
Taylor Dredging Co., ft Communipaw av
Taylor & Pearson, 196 Virginia av

### NEW YORK.

BUFFALO—Buffalo Dredging Co.
Lake Erie Dredging Co.

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Beard, Wm. & Co., Pier 1 Erie Basin
Gahagan Walter H., 147 Remsen

#### Boroughs of Manhattan and Bronx.

NEW YORK—Atlantic Gulf & Pacific Co., Park Row bldg
Beard Wm. & Co., 59 Pearl
Bickel Chas., F. Co. Inc., 30 Church
Canal Construction Co., 150 Nassau
Du Bois Henry Sons' Co., 17 State
Empire Engineering Co., 6 Church
General Contracting & Engineering Co., 29 B'way
Maritime Dredging Co., 50 E 42d
Merritt & Chapman Derrick & Wrecking Co., 17 Battery pl
Metropolitan Dredging Co. (Hydraulic), 90 West
Morris & Cummings Dredging Co., 17 State
Oroville Dredging, Ltd., 25 Broad
Packard R. G. Co., 133 Greenwich
Spearin, George B., 90 West
Standard Engineering Co., 11 Pine
STEWART JAS. & CO. (Inc.), 30 Church

**(End of New York City)**

OGDENSBURG—Daly & Hannan Dredging Co.

### OHIO.

CINCINNATI—Strack T. P., Goodall bldg
CLEVELAND—American Construction Co., Marion bldg
Central Dredging Co., Swetland bldg
Great Lakes Dredge & Dock Co., Williamson bldg
Robinson Contracting Co., Wade bldg
Rocky River Dry Dock Co., Blunt rd
TOLEDO—Bodette Edward, 704 Boalt
Breyman Geo. H. & Bros., Marine bldg
Gilmore Bros.
Thacher A. Q. Contr. Co., 6 Jefferson av

### OKLAHOMA.

OKLAHOMA—Sprankle Co.

### OREGON.

PORTLAND—Columbia Digger Co., 180 Burnside

### PENNSYLVANIA.

PHILADELPHIA—American Dredging Co., Marine & Merchant bldg
Philadelphia Transportation & Lighterage Co., 119 Walnut
Rickards Dredging Co., Real Estate Trust bldg
River & Harbor Improvement Co., Mariner & Merchant bldg
PITTSBURGH—Enterprise Contracting Co., Bessemer bldg
Monongahela & Western Dredging Co. 7 Wood

### RHODE ISLAND.

PROVIDENCE—Packard J. S. Dredging Co., Turks Head bldg
Shaw Fred'k E., 126 Melrose

### TENNESSEE.

MEMPHIS—Kavanaugh Sand Co., 20 Madison

### TEXAS.

GALVESTON—Bowers Southern Dredging Co.
Clarke Charles & Co.
HOUSTON—Arpin J. B.
Stewart Jas. & Co. (Inc.), 1st National Bank bldg

### VIRGINIA.

NORFOLK—Norfolk Dredging Co.
Sanford & Brooks Co.
PORTSMOUTH—Hoagland E. L.
Hoagland E. L.

### WASHINGTON.

SEATTLE—Amercan Dredge Building & Construction Co.
Puget Sound Bridge & Dredging Co. (Hydraulic)
TACOMA—Tacoma Dredging Co.

### WISCONSIN.

GRAND RAPIDS—Arpin J. B. Dredging Co.
GREEN BAY—Greiling Bros. Co.

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**H. KLEINHANS CO.** **Pittsburgh, Pa.**


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Great Lakes Dredge & Dock Co., 491 Canal
Starke C. H. Dredge & Dock Co., 216 W Water
RACINE—Galloway P. W.
Gillen Edw. Dock Dredge & Const. Co.
SUPERIOR—Whitney Bros. Co.
TWO RIVERS—Two Rivers Dredge & Dock Co.

### 3046a—Contractors' Equipments

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**KLEINHANS H. CO.,** Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
Peterson Chas. J. Co. (Electric High Tension), 723 Fulton, Chicago, Ill.
**SMITH T. L. CO.,** 1151 32d, Milwaukee, Wis. *See adv index at end of book*
Whayne Roy C. Supply Co., 608 W Jefferson, Louisville, Ky.

### Contractors (Paving)

See Contractors, Building & General; also Contractors, Asphalt Paving

### 3047—Contractors (Pile Driving)

Andrews Engineering Co., Diamond bldg, Pittsburgh, Pa.
McMullen Arthur Co., 149 B'way, New York

### Contractors (Power House)

See Dock Builders

### Contractors (Railroad)

See Names in Contractors, Building & General, Marked with a (*) Star

### Contractors (Sewers)

See Contractors, Building & General

### 3048— Contractors (Water Works)

See also Contractors, Building & General
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg., Chicago, Ill.
*For branch offices see adv index at end of book*
McDaniel C. E. (Domestic), Ottumwa, Ia.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*For branch offices see adv index at end of book*
Water Wks Equipment Co., 50 Church, New York

### 3049—Contractors (Wood Block Paving)

Booth & Flinn (Ltd.), 1942 Forbes av, Pittsburgh, Pa.
Consolidated Engineering Co., Calvert bldg, Baltimore, Md.
Gaynor Contracting Co., Scranton, Pa.
Hardner Geo. H., Allentown, Pa.
Kraft A. B., York, Pa.
Republic Const. Co., 233 B'way, New York

### 3049a— *Contractors' Plants

**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**KLEINHANS H. CO.,** Union Arcade, Pittsburg, Pa. *See adv index at end of book*

### 3049b—*Contractors' Plants (Asphalt)

See also Contractors' Asphalt
Cummer F. D. & Son Co. (Stationary & Portable), Superior Arcade, Cleveland, O. *See adv index at end of book*

### 3050—Contractors' Portable Lights

Carbic Mfg. Co., 301 So 55th av, Duluth, Minn.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Kitson Hydro-Carbon Heating & Incandescent Lighting Co., 2819 Oakford, Phila., Pa.
MacLeod Co. (Oil & Acetylene), 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Milburn Alexander Co. ("Milburn," Self-Contained Acetylene), 1420 W Baltimore, Md.
**WAXHAM LIGHT CO.,** (Gasoline & Kerosene), 318 W 46th, New York
*See adv index at end of book*

### Contractors' Portable Saw Rigs

See Sawing Rigs, Portable

### 3051—Contractors' Supplies (Second-Hand)

Harrison John (Est. of), 169 South, New York
**KLEINHANS H. CO.,** Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
MacGovern & Co., Inc., 114 Liberty, New York
Mertes Machinery Co., 240 Oregon, Milwaukee, Wis.
Mitshkun M. Co., 985 Dix, Detroit, Mich.
Shaw Willis, 80 E Jackson blvd, Chicago, Ill.
U. S. Equipment Co., 208 S La Salle, Chicago, Ill.
Warner P. B., Culloms Station, Cincinnati, O.

### 3051a—Contractors' Tools & Supplies

**See the Specific Article Required**

Also Barrows, Various Kinds; Blasting Fuse Caps, etc; Buckets, Dumping, etc; Cars, Various Kinds; Carts, Various Kinds; Concrete Mixers; Crowbars, etc; Crushers, Rock & Ore; Derricks & Derrick Fittings; Dredging Machinery Builders; Drills, Various Kinds; Dynamite Manufacturers; Engines, Hoisting; Hoists, Various Kinds; Jacks, Various Kinds; Locomotive, Industrial and Mine; Picks, Various Kinds; Pile Driving Machinery; Plows, Contractors'; Powder Manufacturers; Pumps, Centrifugal; Railways, Portable; Road Machines and Graders; Rollers, Various Kinds; Rope, Manila and Sisal;

**Shovels, Steam; Tents, Contractors'; Tools, Various Kinds; Wire Rope; Wire Rope Tramways**

**Acme Road Machy. Co., Frankfort, N. Y.**
**American Hoist & Derrick Co., St. Paul, Minn.**
Anderson W H Tool & Supply Co, 184 Brush, Detroit. Mich.
**Armstrong R. S. & Bro., Atlanta, Ga.**
Asheville Supply & Foundry Co., Asheville, N. C.
**AUSTIN MACHINERY CORP.,** Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*
B. & H. Supply Co., 115 Mathewson, Providence, R. I.
**Bacon Ed. R. Co., 942 E 4th, Los Angeles, Cal.**
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bailey-Lebby Co., Charleston, S. C.
Baker, Barron, Inc., 221 W B'way, New York
Baldwin Frank & Son, 33 South, New York
Banks Supply Co., Huntington, W. Va.
Barde M. & Sons, Portland, Oregon
Barnett G. W. Hardware Co., Montgomery, Ala.
Barrett Hardware Co., Joliet, Ill.
Battey Machinery Co., Rome, Ga.
Bayne Co., 29 Sullivan, New York
Beals & Co., 44 Terrace, Buffalo, N. Y.
**BEGGS JAMES & CO.,** 30 Warren, New York *See adv index at end of book*
Bentley A. & Sons Co., 201-241 Belmont av, Toledo Ohio
Bittenbender Co., Scranton, Pa.
Bock Equipt. Co., 1900 Northwestern av, Indianapolis, Ind.
Bond Harold L. Co. (Tools & Machinery), 391 Atlantic av, Boston, Mass.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Bonniwell-Calvin Iron Co., Kansas City, Mo.
Bowman M. K.-Edson Co., 64 Dey, New York
Brandeis Machinery & Supply Co., 331 W Main, Louisville, Ky.
Braunfels, Browning & Co., 1940 Park av, New York
Brown-Camp Hardware Co., Des Moines, Iowa
Carbic Mfg. Co., 301 S 55th av, Duluth, Minn.
Carpenter Geo. B. & Co., 440 N Wells, Chicago, Ill.
Channon H. Co. (Tools & General Supplies), 150 N Market, Chicago, Ill.
Clark-Smith Hardware Co., Peoria, Ill.
Clyde Equipment Co., 522 1st av, Seattle, Wash.
Concrete Machy. & Supply Co., 2014 Santa Fe av, Los Angeles, Cal.
Connelly F. B. Co. (Mfrs. Agents), Billings, Mont.
Contractors Mchy. Exchange, 38 Stanford, San Francisco, Cal.
Contractors' Trading Co., Inc., 232 Fulton, New York
Cotton States Belting & Supply Co., Atlanta, Ga.
Craven Frank T. Co., 50 Church, New York
Crerar, Adams & Co., 259 E Erie, Chicago, Ill.
Cressman N. C. Co., Drexel bldg, Phila., Pa.
Crook H. E. Co., Inc., 28 Light Baltimore, Md.
Crowe F. T. & Co., Seattle, Wash.
Crozier R. J. Co., N American bldg, Phila., Pa.
Crumley-Sharp Hardware Co., Atlanta, Ga.
Daniels Arthur Co., 13 Park row, New York
Decker Adam Hardware Co., 347 Jackson, St. Paul, Minn.
Dienst A. P. Co., 2604 3rd av, New York
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Dooley Killian Co., Inc. (Second Hand), 26 Cortland, New York
Dunkle Arthur J. Co., 50 Church, New York
Dunning Carl Supply Co., Indianapolis, Ind.
Dyar Supply Co., Cambridge, Mass.
*See adv index at end of book*
Eastern Penna. Supply Co., Wilkes-Barre, Pa.
Empire Mach. & Supply Corp., Norfolk, Va.
Equipment Mfg. & Supply Co., 26 N 5th, Phila., Pa.
Factory Supply Co., 40 E Kinzie, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fitchburg Hardware Co., Fitchburg, Mass.
Fitts F. E. Mfg. & Supply Co., 88 Purchase, Boston, Mass.
Flint & Chester, 237 Lafayette, New York
Fones Bros. Hdw. Co., Little Rock, Ark.
Foster David S. Sons & Co., Utica, N. Y.
Foster Mfg. & Supply Co., 20th & Venango, Phila., Pa.
Fox Bros. & Co., 126 Lafayette, New York
Frank Henry Jr., 374 Hudson, New York
Franklin Builders Supply & Coal Co., 400 W Broad, Columbus, O.
**FRICK & LINDSAY CO.** (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Geller, Ward & Hasner Hardware Co., 414 N 4th, St. Louis, Mo.
Givin Herbert Co., 50 Church, New York
Gray & Dudley Hardware Co., Nashville, Tenn.
Green L. A. (Second Hand), First Natl. Bk. bldg, Pittsburgh, Pa.
Green G. S. Co., 74 Warren, New York
Haggerty J. Henry, 50 South, New York
Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.
Harron, Rickard & McCone, 139 Townsend, San Francisco, Cal.
Hartford Contractors Supply Co., Hartford, Conn.
Harvey Co., 113 South, Baltimore, Md.
Haverstick & Co., Rochester, N. Y.
Haysler Iron Co., 1206 Union, Kansas City, Mo.
Hazleton Machinery & Supply Co., Hazleton, Pa.
Henion & Hubbell, 219 N Jefferson, Chicago, Ill.
Hermitage Hardware Co., Nashville, Tenn.
Hubbard-Floyd Co., Inc. (New & Secondhand), 90 West, New York
Iron City Tool Works (Ltd), 3201 Smallman, Pittsburgh, Pa.
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**Johnston Wm. T. Co. (Full Line), 3rd & Vine, Cincinnati, O.**
Keiser-Van Leer Co., Bloomington, Ill.
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Kelley E. B. Co., Grand Central bldg., New York
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**Kinsey E. A. Co., 331 W 4th, Cincinnati, O.**
**Kirk Supply Co., Farmers' Bank bldg, Pittsburgh, Pa.**
**KLEINHANS H. CO.,** Union Arcade, Pittsburgh, Pa.
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Lambert H. T. Co., Huntington, W. Va.
Lee-Colt Andreesen Hardware Co., Omaha, Neb.
Lindsay J. L., Inc., 1321 E Main, Richmond, Va.
**Lines Flynn Co., 30 Church, New York**
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Louis John C., 131 S Howard, Baltimore, Md.
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**McCoy Henry J. (Full Line), 65 Dey, New York**
McGraw Co., Sioux City, Ia.
**McGregor-Noe Hardware Co, Springfield, Mo.**
**MACHINERY SALES CO.** (Contractors' Machinery; All Kinds), Old Colony bldg, Chicago, Ill.
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McInnes Chas. E. & Co., Mariner & Merchants bldg., Phila., Pa.
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Males Co. (General & R. R.), 2226 Fulton av, Cincinnati, O.
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Maryland Equipment & Supply Co. (Second Hand), Equitable bldg, Baltimore, Md.
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Mechanical Supplies Co., 220 E 3d, Cincinnati, O.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York.
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Morehouse & Wells Co., Decatur, Ill.
**Morton Jas. & Son Co., Omaha, Neb.**
Motley Thornton N. & Co., 43 Cedar, New York
**Neal B. B. Hardware Co. (Shovels, etc), 117 Leonard, New York**
New York Machinery Exchange, 50 Church, New York
Northwestern Iron Works, Seattle, Wash.
Pattison W. M. Supply Co., 777 Rockwell av, Cleveland, O.
**Penniman A. C. & Son Hardware Co., Fort Scott, Kans.**
Penn Foundry & Mfg. Co., Reading, Pa.
Penn Mill & Mine Supply Co., 523 1st av, Pittsburgh, Pa.
**Perrin, Seamans & Co., 57 Oliver, Boston, Mass.**
**Phillips Victor L., 7th & Delaware, Kansas City, Mo.**
Pidgeon-Thomas Iron Co., Memphis, Tenn.
**Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.**
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**Queen City Supply Co., Pearl & Elm, Cincinnati, O.**
**Railway & Power Equipment Co. (Second-hand, 233 B'way, New York**
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**Roberts Geo. I. & Bros., 471 4th av, New York**
**ROE & CONOVER,** 206 Frelinghuysen av, Newark, N. J.
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**ROGERS H. A. CO.,** 87 Walker, New York
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**Rogers & Baldwin Hardware Co., Springfield, Mo.**
Root, Neal & Co., 178 Main, Buffalo, N. Y.
Rose Bassett Supply Co., 111 Market, Pittsburgh, Pa.
Ross-Willoughby Co., 109 E Spring, Columbus, O.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Sachs Wm. A., Germantown av & Girard, Phila., Pa.
**Shannon J. Jacob & Co., 1744 Market, Phila., Pa.**
**Shapleigh Hardware Co., 4th & Washington av, St. Louis, Mo.**
Shaw Willis, 80 E Jackson blvd, Chicago, Ill.
**Sherburne & Co., 53 Oliver, Boston, Mass.**
Sickels & Preston Co., Davenport, Ia.
**Simmons Hardware Co., 9th & Spruce, St.**
Smith T. L. Co., 1151 32d, Milwaukee, Wis.
**Smith-Courtney Co., Richmond, Va.**
**Smith & Sons Mfg. Co., Kansas City, Mo.**
Somers, Fitler & Todd Co., 325 Water, **Pittsburgh, Pa.**
Southern Supply Co., Norfolk, Va.
Sprague J. P. Co., Rialto bldg, Kansas City, Mo.
Standard Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Stocker F. W. Inc. (Second Hand), 1119 Clinton, Hoboken, N. J.
Streeter Clip & Specialty Co., 4125-27 E Ravenswood av, Chicago, Ill.
Strong, Carlisle & Hammond Co., 336 Frankfort av, N W Cleveland, O
Stulz-Sickles Co., 121 Lafayette, Newark, N. J.
**Tenn. Mill & Mine Supply Co., Knoxville, Tenn.**
**Thompson W. A. L. Hardware Co., Topeka, Kan.**
Todd-Donigan Iron Co., 813 W Main, Louisville, Ky.
**Topping Bros. (Picks, Shovels, etc), 122 Chambers, New York**
Townley Metal & Hardware Co., 2nd, S. W **cor Walnut, Kansas City, Mo.**
Tucker, Geo. C. Co., 53 W Jackson blvd, Chicago, Ill.
**Tucker Tool & Machine Co., 75 Murray, New York**
**Tullis-Gamble Hardware Co., Montgomery, Ala.**
Turner Chas A. (Inc), 3rd av & Chancery, Pittsburgh, Pa.
Virginia Machinery & Well Co., 1319 E Main, Richmond, Va.
Vulcan Supply Co., 120 Sycamore, Cincinnati, O.
Walbridge & Co., 392 Main, Buffalo, N. Y.
Waldo Bros. & Bond Co. (Tools & Machinery), 181 Congress, Boston, Mass.
Walsh's Sons & Co., Inc., Newark, N. J.
**Warren Tool & Forge Co., Warren, O.**
*See adv index at end of book*
**Westbrook John D., Inc., Norfolk, Va.**
**Western Equipment Co., San Francisco, Cal.**
Western Metal Supply Co., San Diego, Cal.
Wilkins J. D., Greensboro, N. C.
Williams W. W. Co. (& Machinery & Motor Trucks), Brunson bldg., Columbus, O.
Williams & Wells Co., 248 Fulton, New York
Wimberley & Thomas Hardware Co., Birmingham, Ala.
Ziegler William H., 425 S 5th, Minneapolis, Minn.

## 3052— Controllers (Automatic Electric)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Decatur Pump & Mfg. Co., Decatur, Ill.
Monitor Controller Co., 514 E. Lombard, Baltimore, Md.
Rowan Controller Co., The, 308 No Holliday, Baltimore, Md.
**Ward Leonard Electric Co.** (Automobile, Electric Lighting & Self Starting Dynamos), Mt. Vernon, N. Y.

## 3052a—Controllers (Chemical Feed)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.

## 3053—*Controllers (Coal & Ore Bridge)

**CUTLER-HAMMER MFG. CO.** (Electric), **12th & St. Paul av, Milwaukee, Wis.**
*See adv index at end of book*

## Controllers (Crane)

**See Crane Controllers, Electric**

## Controllers (Draft)

**See Regulators, Heat**

## Controllers (Drum, Electric)

**See Controllers, Electric Hoist**

## 3054—Controllers (Electric Elevator)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Automatic Switch Co. (Full Automatic & Electro Magnetic), 4 White, New York
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**Monitor Controller Co., 514 E Lombard, Baltimore, Md.**
**Otis Elevator Co., 26th & 11th av, New York**
**Randall Elevator Door Control Co., 115 Mission, San Francisco, Cal.**
Sterling Devices Co., 9 Lispenard, New York
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
**WARNER ELEVATOR MFG. CO.,** Spring Grove av, Alfred & Valley, Cincinnati, O. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 3055— Controllers (Electric Fan)

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**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
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*See adv index at end of book*

## 3056—*Controllers (Electric Hoist)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*

## 3057—Controllers (Electric Motor)

Allen-Bradley Co. ("Allen-Bradley"), 286 Greenfield av, Milwaukee, Wis.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Anderson C. J. & Co., 212 W Austin, Chicago, Ill.
Atlas Electric Devices Co., 128 S Clinton, Chicago, Ill.
Automatic Switch Co. (Motor Driven Elevator, Alternating & Direct), 4 White New York

Cline Electric Mfg. Co., Fisher bldg, Chicago, Ill.
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*See adv index at end of book*
D. & D. Electric Co. (For Sewing Machines), 53 W. 3d, New York
**ELECTRIC CONTROLLER & MFG. Co.,** Cleveland, O. *See adv index at end of book*
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
**Jewell Electric Co., Munsey bldg., Baltimore, Md.**
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
National Electric Controller Co., 154 Whiting, Chicago, Ill.
New York Electric Controller, 35 Rose, New York
Rowan Controller Co., 308 N Holliday, Baltimore, Md.
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
Union Electric Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.
Ward Leonard Elec. Co., Mt. Vernon, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (For Railway & Industrial Motors), East Pittsburgh, Pa.
*See adv index at end of book*

## 3058— Controllers (Electric Pump)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. Co.,** Cleveland, O. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 3059—Controllers (Electric Speed)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Jewell Electric Co., Munsey bldg, Baltimore, Md.
Lombard Governor Co. (For Water Wheels, etc), Ashland, Mass.
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
**MORGAN ENGINEERING CO.** (Reversible), Alliance, O.
*See adv index at end of book*
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
Union Electric Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
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## 3060—Controllers (Emery Wheel Speed)

Ransom Mfg. Co. ("Ransom"), Oshkosh, Wis.

## 3061—Controllers (Fire & Flame Automatic)

Combustion Utilities Corp., 60 Wall, New York
Weinman C. J. Co., 310 E 2d, Dayton, O.

## 3062— Controllers (Machine Tool)

**CUTLER-HAMMER MFG. CO.** (Electric), 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
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## 3063—*Controllers (Magnetic Switch)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*

## 3064—*Controllers (Mill Table)

**CUTLER-HAMMER MFG. CO.** (Electric), 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O.
*See adv index at end of book*
Louis, Mo.

## 3065— *Controllers (Motor)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Ward Leonard Elec. Co., Mt. Vernon, N. Y.

## 3066—Controllers (Printing Press)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*

## Controllers (Pump)

See Governors, Pump; also Controllers, Electric Pump

## 3067— Controllers (Railway Motor)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 3068—Controllers (Rate, for Filters, Etc.)

Builders' Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Norwood Engineering Co. ("Vivian"), Florence, Mass.
**SIMPLEX VALVE & METER CO.** ("Simplex"), 110 N Broad, Phila., Pa.

## 3069— Controllers (Rheostatic)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Monitor Controller Co., 514 E. Lombard, Baltimore, Md.
Ward Leonard Elec. Co., Mt. Vernon, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 3070—Controllers (Switch Circuit)

Hall Switch & Signal Co. (For R. R. Signal Systems), 50 Church, New York


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## 3071— Controllers (Temperature)

Cobb Electric Appliance Co. ("Ceaco"), Boston 30, Mass.
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**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
McAlear Mfg. Co. (Hot Water), 1901 S Western, Chicago, Ill.
**WINCHELL H. C.** (Dry Room), 20 E Jackson blvd, Chicago, Ill.

## 3072—Controllers (Thermometer, Electric)

Railway Utility Co. ("Utility"), 721 Fulton, Chicago, Ill.

## 3073— Controllers (Vacuum)

**Haines William S. & Co. ("Haines" Automatic), 12th & Buttonwood, Phila., Pa.**

## 3074— Controllers (Valve)

Beaumont Iron Works Co. ("Martin"), **Beaumont, Texas.**

## 3074a— Controls (Automobile Headlights)

Raydex, Inc., Jamestown, N. Y.
**Raydex Mfg. Co., Inc., Brackenridge, Pa.**

## 3074b— Controls-Light (For Automobiles)

Raydex, Inc., Jamestown, N. Y.
**Raydex Mfg. Co., Inc., Brackenridge, Pa.**

## 3075—Converter Bottoms (Brick)

**Haws A. J & Sons (Ltd.), Johnstown, Pa.**

## 3076—Converters (Bessemer)

Bretand J. V. ("Bretand"), W Gd blvd, Detroit, Mich.
Columbiana Boiler Co., Columbiana, O.
**Pennsylvania Engineering Works, New Castle, Pa.**
**Petroleum Iron Works Co., Sharon, Pa.**
**Pollock Wm. B. Co., Youngstown, O.**
Reeves Bros. Co., The, Alliance, O.
*See adv index at end of book*
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
**Stoughton Bradley (Removable Bottom) 29 W 39th, New York**
**Treadwell Construction Co., Midland, Pa.**
**Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.**

## 3077— Converters (Copper)

**Allis-Chalmers Mfg. Co., Milwaukee, Wis.**
Colorado Iron Works Co., Denver, Colo.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York
*See adv index at end of book*

## 3078-9—Converters (Electric)

Allis-Chalmers Mfg. Co. (Rotary), Milwaukee, Wis.
Eck Dynamo & Motor Co., Belleville, N. J.
Fowler Lamp & Mfg. Co. ("Fowler" for Gas & Oil), 59 E 24th, Chicago, Ill.
General Electric Co. (Rotary), Schenectady, N. Y. *See adv index at end of book*
Union Iron Works Co. (For Copper), 20th & Michigan, San Francisco, Cal.
Wagner Electric Mfg. Co. ("Wagner" Single Phase, etc), 6400 Plymouth av, St. Louis, Mo.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Rotary), East Pittsburgh, Pa.
*See adv index at end of book*

## 3080— Converters (Rotary)

Advance Elec. Co., 6315 Maple, St. Louis, Mo.
**Allis-Chalmers Mfg. Co., Milwaukee, Wis.**
Bodine Elec. Co., 2254 W Ohio, Chicago, Ill.
Electric Specialty Co., Stamford, Conn.
Fidelity Elec. Co., Lancaster, Pa.
Great Lakes Elec. Mfg. Co. ("Glemco" Small 1-11 kw.), 11-17 S Desplaines, Chicago, Ill.
**Ideal Elec. & Mfg. Co., Mansfield, O.**
**Mechanical Appliance Co., Milwaukee, Wis.**
Northwestern Electric Co., 408 S Hoyne av, Chicago, Ill.
Northwestern Mfg. Co., 480 Clinton, Milwaukee, Wis.
**Pan Elec. Mfg. Co., 735 S 4th, St. Louis, Mo.**
Peerless Elec. Co., 550 W Harrison, Chicago, Ill., & Warren Co.
**Rochester Motor Co., 609 Driving Park av, Rochester, N. Y.**
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
U. S. Elec. Mfg. Co., 300 S Central av, Los Angeles, Cal.
Victor Elec. Corp., 236 S Robey, Chicago, Ill.
Wagner Electric Mfg. Co., 6400 Plymouth, **St. Louis, Mo.**
Wesche Electric Co., B. A., 327 E 6th, Cincinnati, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 3081—Converters (Steel Casting)

**Bayonne Steel Casting Co., Bayonne, N. J.**
Exeter Machine Works ("Lillenburg"), Pittston, Pa.
Stoughton Bradley ("Seco"), 29 W 39th, New York
Tropenas Co. (Side Blown), 2243 Nostrand av, Brooklyn, N. Y.

## 3082—Converters (Steel, Side Blown)

Deemer Steel Casting Co. ("Deemer"), New Castle, Del.
Onondago Steel Co., Inc. (High Speed), Syracuse, N. Y.
**Tropenas Converter Co., 2243 Nostrand av, Brooklyn, N. Y.**
**Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.**

## 3083-4— Converters (Wire Test)

Fowler Lamp & Mfg. Co. ("Fowler" for Motor Cars & Boats), 59 E 24th, Chicago, Ill.

## Conveying Machinery

See Elevating & Conveying Machinery

## Conveyor Belts

See Belting Mfrs., Conveyor

## 3085— Conveyor Parts (Manganese Steel)

Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

## 3086— Conveyor Troughs

Alvey-Ferguson Co., 70 North av., Oakley, Cincinnati, O.
Chain Belt Co., Milwaukee, Wis.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Farnham Mfg. Co., 39 Indiana, **Buffalo, N. Y.**
Hendrick Mfg. Co., Carbondale Pa.
Heyl & Patterson, 51 Water, Pittsburgh, Pa.
**Jeffrey Mfg. Co., 961 N 4th, Columbus, O.**
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
**Littleford Bros.**, 444 E. Pearl, Cincinnati, O.
Nelson N. P. Iron Wks, 212 40th, Brooklyn, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Specialty Engineering Co., Trenton & Allegheny, Phila., Pa.

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Link-Belt Co., 329 W 39th, Chicago, Ill. & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
**Merrick Scale Mfg. Co., Passaic, N. J.**
*See adv index at end of book*

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Bailey-Burruss Mfg. Co., Atlanta, Ga.
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O. *See adv index at end of book*
Chain Belt Co. (Endless), Milwaukee, Wis.
Dow Wire & Iron Works ("Dow" Steel & Wood), Louisville, Ky.
Fairmont Mining Machy. Co., Fairmont, W. Va.
Farnham Mfg. Co., 39 Indiana, Buffalo, **N. Y.**
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
**LINK-BELT COMPANY** (Steel), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
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**WEBSTER MFG. CO.**, 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

## 3089— Conveyors (Ash Can)

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Ernst C. K. ("Ernst" for Conveying Ash Cans from Cellar to Sidewalk), Buffalo, N. Y.

## 3090—*Conveyors (Automatic Power)

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**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 3091—*Conveyors (Bag Filler)

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

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## 3093— Conveyors (Belt)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**ALVEY-FERGUSON CO.,** 70 North av, Oakley, Cincinnati, O.
Alvey Mfg. Co., 3201 B'way, St. Louis, Mo.
American Road Machinery Co. ("Champion"), Kennett Sq., Pa.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
Batavia Engineering Works (Troughed), Batavia, Ill.
Beaumont R. H. Co., Drexel bldg., Philadelphia, Pa.
Bonnot Company, Canton, O.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Brown Portable Conveying Machy. Co. ("Auto Piler," "Handlift" & "Brown" Portable), 10 S La Salle, Chicago, Ill.
Buchanan C. G. Co., 90 West, New York
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
Chicago Conveyor Co., 2416 W 22d, Chicago, Ill.
Conveying Weigher Co. (Ball Bearing), 90 West, New York
**DODGE SALES & ENGINEERING CO.** (all types conveyors), Mishawaka, Ind.
Dow Wire & Iron Wks., Louisville, Ky.
Dull Raymond W. Co., 111 W Washington, Chicago, Ill.
Fairmont Mining Machy. Co., Fairmont, W. Va.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Freeman H. C. & Co., 141 Milk, Boston, Mass.
Haslett Spiral Chute Co., 2008 W Madison, Phila., Pa. *See adv index at end of book*
Hettrick Mfg. Co., Toledo, O.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
KENNEDY VAN SAUN MFG. & ENG. CORP., 120 B'way, New York
*See adv index at end of book*
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La Porte Mat. & Mfg. Co. ("Hercules" Flexible Steel), La Porte, Ind.
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Mead-Morrison Mfg. Co. cor. Prescott & Orleans, East Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Pittsburgh Conveying Machinery Co., 4th & Duquesne wy., Pittsburgh, Pa.
Portable Machy. Co., Inc., Passaic, N. J.
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Specialty Engineering Co. (Portable), Trenton & Allegheny, Phila., Pa.
Standard Store Service, Inc., Hartford, Conn.
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Strong Homer, Rochester, N. Y.
United Iron Works Co. Inc., Kansas City, Mo
Universal Tube Co., 321 Ohio, Chicago, Ill.
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago Ill.
Wolf Co., Chambersburg, Pa.
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*See adv index at end of book*

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**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 3094a—*Conveyors (Bread)

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*See adv index at end of book*

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Alvey Mfg. Co. (Gravity Brick Carriers), 3201 S. B'way, St. Louis, Mo.
American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Arnold-Creager Co., New London, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
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Boston Belting Corp., 84 Linden Park, Boston, Mass.
Bradney Machine Co., Inc., Middletown, N. Y.
Caldwell W. E. Co. (Clay), Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
Chambers Bros. Co. (Clay), 52d bel. Lancaster av, Phila., Pa.
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Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Fate-Root-Heath Co., Plymouth, O.
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Leary W. J. Mfg. Co., 411 Rhode Island, Buffalo, N. Y.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
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Pittsburgh Conveying Machinery Co., 4th & Duquesne wy, Pittsburgh, Pa.
Portable Machy. Co., Inc., Passaic, N. J.
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**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
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*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

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See Conveyors, Wire Cable; also Tramways Wire Rope

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Chain Belt Co., Milwaukee, Wis.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
**HUNT C. W. CO.,** West New Brighton, N. Y. *See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York. *See adv index at end of book*
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Chain Belt Co., Milwaukee, Wis.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Garland M. Co. (Steel Chain), Bay City, Mich.
Great Western Mfg. Co., Leavenworth, Kans.
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Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.
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Lamson Co., 100 Boylston, Boston, Mass.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
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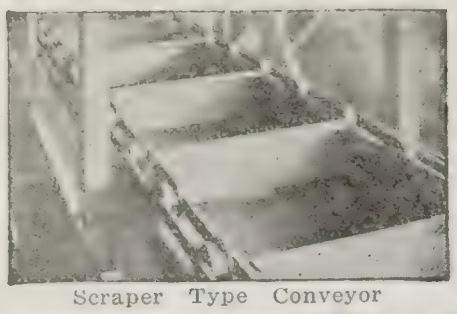
## Conveyors (Clay)

See Conveyors, Brick & Clay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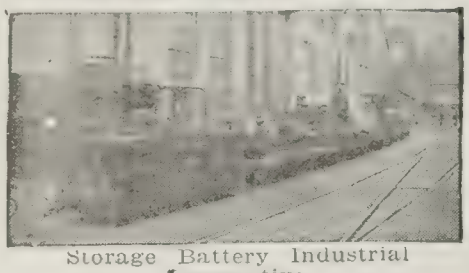
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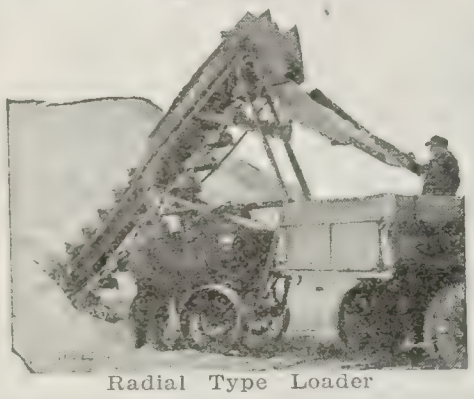
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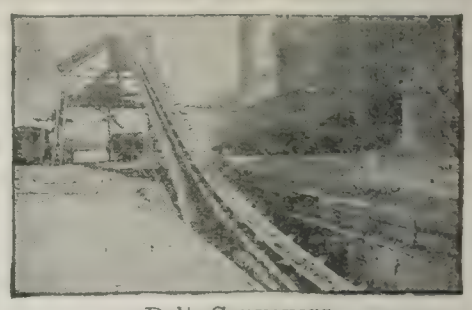
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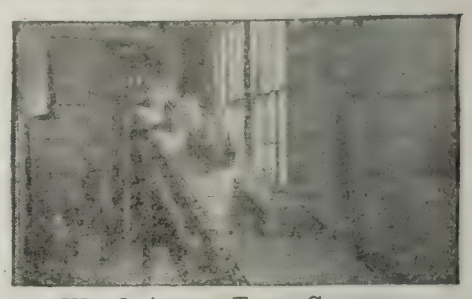
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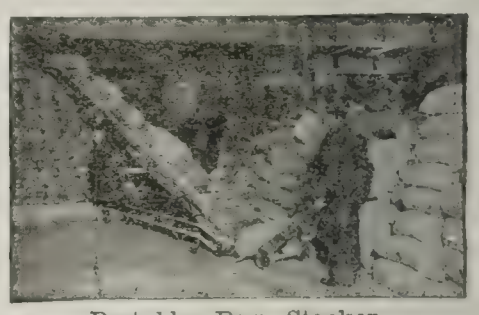
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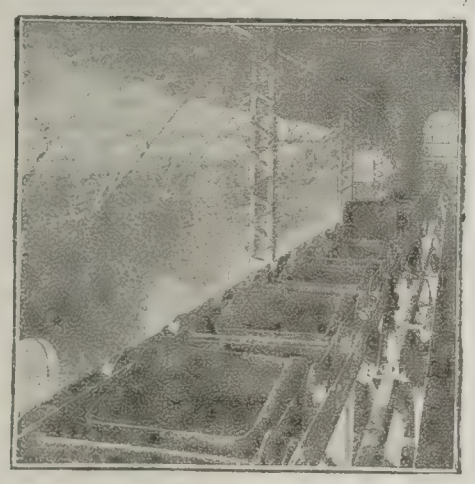

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Great Western Mfg. Co., Leavenworth, Kans.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Mathews Gravity Carrier Co., Elwood City, Pa.
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., Buffalo, N. Y.
Pittsburgh Conveying Machinery Co., 4th & Duquesne wy, Pittsburgh, Pa.
Pneumatic Conveyor Co. (Pressure & Suction Systems), 37 W Van Buren, Chicago
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York *See adv index at end of book*
Smith, Philip Mfg. Co., Sidney, O.
Sprout, Waldron & Co., Muncy, Pa.
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

## Conveyors (Gravel & Sand)
See Conveyors, Coal & Ash Handling

## 3113— Conveyors (Gravity)
**ALVEY-FERGUSON CO.** (For Boxes, Barrels, Crates, etc), 70 North av, Oakley, Cincinnati, O.
Alvey Mfg. Co., 3201 S B'way, St. Louis, Mo.
Chicago Conveyor Co., 2416 W 22d, Chicago, Ill.
Dow Wire & Iron Works, Louisville, Ky.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Haslett Spiral Chute Co., 2008 W Madison, Phila., Pa. *See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
**LAMSON CO.,** 100 Boylston, Boston, Mass.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Mathews Gravity Carrier Co., Ellwood City, Pa.
Mead-Morrison Mfg. Co. ("McCaslin" Bucket), cor Prescott & Orleans, East Boston, Mass.
Otis Elevator Co. (Spiral), 26th & 11th av, New York
Pittsburgh Conveying Machinery Co., 4th & Duquesne wy, Pittsburgh, Pa.
Portable Machy. Co., Inc., Passaic, N. J.
Rownson, Drew & Clydesdale, Inc., 80 Wall, New York.
San Francisco Mill Furnishing Co., 521 7th, San Francisco, Cal.
Standard Conveyor Co. (Ball Bearing, also Portable on Casters), N St. Paul, Minn.

## 3114—Conveyors (Gravity Roll)
Haslett Spiral Chute Co., 2008 W Madison, Phila., Pa. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
Link-Belt Co., 329 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 3115—Conveyors (Gravity, Spiral)
Alvey Mfg. Co., 3201 S B'way, St. Louis, Mo.
**ALVEY-FERGUSON CO.,** 70 North av, Oakley, Cincinnati, O.
**Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.**
Haslett Spiral Chute Co., 2008 W Madison, Phila., Pa. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
Lowerator Co., 110 W 40th, New York
Mathews Gravity Carrier Co., Ellwood City, Pa.
Otis Elevator Co., 11th av & 26th, New York
Standard Conveyor Co. (Ball Bearing, also Portable on Casters), N St. Paul, Minn.

## 3116— Conveyors (Hot Coke)
Beaumont R. H. Co., Drexel bldg., Phila., Pa.
Isbell-Porter Co., 46 Bridge, Newark, N. J.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*

## 3117-8— Conveyors (Hot Metal)
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York *See adv index at end of book*

## Conveyors (Ice)

See Ice Handling Machinery

## Conveyors (Limestone)

See Conveyors, Rock & Ore

## 3119— Conveyors (Link Belt)

Caldwell W. E. Co., Louisville, Ky.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*


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Nelson N. P. Iron Wks, 212 40th, Brooklyn, N. Y.
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

## 3120—Conveyors (Log & Lumber)

**Allis-Chalmers Mfg. Co., Milwaukee, Wis.**
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**Chain Belt Co., Milwaukee, Wis.**
Chicago Conveyor Co., 2416 W 22d, Chicago, Ill.
**Diamond Iron Works (Log), 2d & 18th av, N, Minneapolis, Minn.**
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
Koehler Bros., Saginaw, Mich.
Lane Mfg. Co., Montpelier, Vt.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**Mathews Gravity Carrier Co. (Gravity for Lumber & Shingles), Ellwood City, Pa.**
Robins Conveying Belt Co., 13 Ann, New York *See adv index at end of book*
Soule Steam Feed Works, Meridian, Miss.
Standard Conveyor Co. (Gravity Ball Bearing), N St. Paul, Minn
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Wheland Company, Chattanooga, Tenn.

## Conveyors (Lumber & Shingle)

See Conveyors, Log & Lumber

## 3121—*Conveyors (Mechanical)

**HUNT C. W. CO.,** West New Brighton, N. Y. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## Conveyors (Merchandise)

See Carriers, Merchandise

## 3122— Conveyors (Molding Sand)

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York *See adv index at end of book*

## 3123— Conveyors (Newspaper)

**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
Lamson Co. (For Automatically Carrying **Newspapers from the Press to Mailing or Delivery Department), 100 Boylston, Boston, Mass.**
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av, & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 3124— Conveyors (Pan)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.**
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**Caldwell H. W. & Son Co. ("Caldwell" Traveling, etc.), 17th & Western av, Chicago, Ill.**
Chain Belt Co., Milwaukee, Wis.
Clark W. J. Co., Salem, O.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Mey Chain Belt Co., Buffalo, N. Y.
Pittsburgh Conveying Machinery Co., 4th & Duquesne wy, Pittsburgh, Pa.
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York *See adv index at end of book*
Savage W. J. Co., Knoxville, Tenn.
Stephens-Adamson Mfg. Co. (Steel), Aurora, Ill
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

## 3125— *Conveyors (Pipe)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 3126—Conveyors (Pneumatic)

Allington & Curtis Mfg. Co. (For Shavings & Saw Dust), Saginaw, Mich.
**Clarage Fan Co., North & Porter, Kalamazoo, Mich.**
Guarantee Const. Co. (for Coal, Ashes, Grain, etc.), 92 West, New York
**Parson Mfg. Co. (For Ashes, etc.), 35 Nassau, New York**
Pneumatic Conveyor Co., 37 W Van Buren, Chicago, Ill.

## 3127—*Conveyors (Pneumatic, Electrical & Mechanical)

**LAMSON CO.** (For Money, Mail & Merchandise), **100 Boylston, Boston, Mass.**

## 3128— Conveyors (Portable)

Acme Road Machinery Co., Frankfort, N. Y.
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
**Barber-Greene Co., Aurora, Ill.**
Brown Portable Conveying Machinery Co., 10 S La Salle, Chicago, Ill.
Chicago Conveyor Co., 2416 W 22d, Chicago, Ill.
Dobbie Foundry & Machine Co. (Incline Railroad), **Niagara Falls, N. Y.**
*See adv index at end of book*
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
McKinney-Harrington Co., No Chicago, Ill.
Nelson N. P. Iron Wks, 212 40th, Brooklyn, N. Y.
Portable Machy. Co., Inc., Passaic, N. J.

## 3129—Conveyors (Ribbon Scroll)

American Tool & Machine Co. (Steel, Brass or Copper for Sugar & Chemicals), 10 High, Boston, Mass.
Hassell Iron Works Co., Colorado Springs, Col.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.**
Wolf Co., Chambersburg, Pa.

## 3130—Conveyors (Rock & Ore)

**Allis-Chalmers Mfg. Co., Milwaukee, Wis.**
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**BARTLETT C. O. & SNOW CO.,** Fall st. Cleveland, O. *See adv index at end of book*
Boston Belting Corp., 84 Linden Park st, Boston, Mass.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
Colorado Iron Works Co., Denver, Colo.
Exeter Machine Works, Pittston, Pa.
**Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.**
Hammond Mfg. Co., Kamm bldg, Portland, Ore.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 B'way, New York *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Portable Machy. Co., Inc., Passaic, N. J.
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York *See adv index at end of book*
Savage W. J. Co., Knoxville, Tenn.
Universal Crusher Co. ("Eureka" & "Universal"), Cedar Rapids, Ia.
Vulcan Iron Works, Wilkes-Barre, Pa.
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

## 3131—Conveyors (Rolling Mill)

Chain Belt Co., Milwaukee, Wis.
Garrison A Foundry Co., 901 Bingham, Pittsburgh, Pa.
Heyl & Patterson (Bar, Billet & Slab, etc), 51 Water, Pittsburgh, Pa.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Morgan Construction Co., Worcester, Mass.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

## 3132— Conveyors (Rubber Belt)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Beaumont R. H. Co., Drexel bldg, Phila., Pa
**JEFFREY MFG. CO., ("Jeffrey" "Century"), 961 N Fourth, Columbus, O.** *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Portable Machy. Co., Inc., Passaic, N. J.

## 3133— Conveyors (Saw Dust)

Allington & Curtis Mfg. Co. (Pneumatic), Saginaw, Mich.
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Barruss Mfg. Co., Atlanta, Ga.
Boston Belting Corp., 84 Linden Park st, Boston, Mass.
Caldwell W. E. Co., Louisville, Ky.
Casey-Hedges Co., Chattanooga, Tenn.
Chain Belt Co., Milwaukee, Wis.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Garland M. Co., Bay City, Mich.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Koehler Bros., Saginaw, Mich.
Lane Mfg. Co., Montpelier, Vt.

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Lyon Iron Works, Greene, N. Y.
Memphis Machine Works, Memphis, Tenn.
Peglar Machinery Co., Chattanooga, Tenn.
Robins Conveying Belt Co., 13 Ann, New York *See adv index at end of book*
Savage W. J. Co., Knoxville, Tenn.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Taylor Iron Wks. & Supply Co., Macon, Ga.
Tomahawk Steel & Iron Works, Tomahawk, Wis.
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

## Conveyors (Sawmill)

See Conveyors, Log & Lumber

## 3134— Conveyors (Scraper)

Bartlett C. O. & Snow Co., French, Cleveland, O.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av, & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 3135— Conveyors (Screw)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**NAZARETH FOUNDRY & MACHINE CO.,** Nazareth, Pa., 9106 Front, New York
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York *See adv index at end of book*

## 3136— Conveyors (Slab & Billet)

Allis-Chalmers Mfg. Co. (Slab), Milwaukee, Wis.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av, & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*

## 3137— Conveyors (Spiral)

See also Conveyors, Gravity Spiral

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co. (Steel), Milwaukee, Wis.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Haslett Spiral Chute Co., 2003 W Madison, Phila., Pa.
*See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Lamson Co., 100 Boylston, Boston, Mass.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
Pittsburgh Conveying Machinery Co., 4th & Duquesne wy, Pittsburgh, Pa.
Pratt Engineering & Machine Co., Atlanta, Ga.
Robins Conveying Belt Co., 13 Ann, New York *See adv index at end of book*
Spiral Conveyor Co., 1610 S Rockwell, Chicago, Ill.
Sprout Waldron & Co., Muncy, Pa.
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

## 3138— Conveyors (Suction)

Guarantee Construction Co. (For Handling Ashes, Coal, Grain, etc.), 92 West, New York
Pneumatic Conveyor Co. (For Handling Grain, Coal, Ashes, etc.), 37 W Van Buren, Chicago, Ill.

## 3138a—Conveyors (Sugar Mill)

**FULTON IRON WORKS CO.,** St. Louis, Mo. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av, & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 3139—Conveyors (Wire Cable)

See also Wire Rope Tramways

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bartlett A. F. & Co., Saginaw, Mich.
Chain Belt Co., Milwaukee, Wis.
**CLYDE IRON WORKS, SALES CO.,** Duluth, Minn. *See adv index at end of book*
**FRICK & LINDSAY CO.** (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Garland M. Co., Bay City, Mich.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Mead-Morrison Mfg. Co., cor. Prescott & Orleans, East Boston, Mass.
Savage W. J. Co., Knoxville, Tenn.
Standard Store Service, Inc. (For Factory & Post Office), Hartford, Conn.
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*

## 3140— Cookers (Apple Butter)

**DUNNING & BOSCHERT PRESS CO., INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Harris Arthur & Co. (Steam), 212 N Curtis, Chicago, Ill.
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Steam, for Apple Butter), Mount Gilead, O.
*See adv index at end of book*

## Cookers (Cottonseed & Linseed)

See Cottonseed Oil Machinery

## 3141— Cookers (Feed)

Bovee Furnace Works, Waterloo, Ia.
Champion Milk Cooler Co., Cortland, N. Y.
Donaldson Bros., Mount Clemens, Mich.
Eddy W. Plow Co., Greenwich, N. Y.
Empire Mfg. Co. ("Farmer's Handy"), Quincy, Ill.
Freeland B. F. Sons Co. ("Quick Meal"), Sturgis, Mich.
Freeland Steel Tank Co., Portage, Wis.
Greenville Implement Co., Greenville, Mich.
Heesen Bros. Co., Tecumseh, Mich.
Heller-Aller Co, ("National"), Napoleon O.
Howell R. R. & Co. ("Minneapolis"), 31st av, Minneapolis, Minn.
Illinois Mfg. & Supply Co., Quincy, Ill.
Kelly Foundry & Machine Co. ("Victor," "Goshen," "American"), Goshen, Ind.
Lehr Agricultural Co., Fremont, O.
Moore Plow & Implement Co. ("Moore"), Greenville, Mich.
Niles Steel Tank Co., Niles, Mich.
Pioneer Mfg. Co., Middlebury, Ind.
Rippley Mfg. & Steel Boat Co. (Steam), Grafton, Ill.
Sperry D. R. & Co., Batavia, Ill.
Star Tank Co. ("Ideal" & "Winner"), Goshen, Ind.
Swift Mfg. Co. ("Swift"), Waterloo, Ia.
Treaty Co. ("Rex"), Greenville, O.
Vermont Farm Machine Co. ("Eureka"), Bellows Falls, Vt.
Wagner Mfg. Co. ("Wagner Ware"), Sidney, Ohio
Wehrle Co., Newark, O.
Wisconsin Foundry & Machine Co., Madison, Wis.

## 3142— Cookers (Fireless)

Caloric Co. ("Caloric"), Janesville, Wis.
Campbell Manson & Sons Co., Ltd., 45 Federal, Detroit, Mich.
Campbell Wm. Co. ("Rapid"), 160 Merritt, Detroit, Mich.
Cleveland Natural Gas Supply Co. ("Erie," "Euclid"), 222 High, Cleveland, O.
Diller Mfg. Co. ("Thermatic"), Bluffton, O.
Durham Mfg. Co. ("Duplex"), Muncie, Ind.
**GEUDER, PAESCHKE & FREY CO.,** 1314-1700 St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Grand Rapids Hand Screw Co. "Bakorost"), Grand Rapids, Mich.
Household Equipment Co. ("Sears Perfect"), 171 27th av, S. E., Minneapolis, Minn.
Illinois Mfg. & Supply Co., Quincy, Ill.
National Clock & Mfg. Co., 20 W Lake, Chicago, Ill.
Rathbone, Sard & Co. ("Acorn"), Albany, N. Y.
Seely Frances A. Co. ("Seely Sanitary"), 5735 Harper av, Chicago, Ill.
Stephens Mfg. Co. ("Hygienic"), 67 Carroll, Buffalo, N. Y.
Thermo Mfg. Co., Cleveland, O.
Toledo Cooker Co. ("Ideal"), Toledo, Ohio

## 3143— Cookers (Fish)

American Process Co., 68 William, New York
Renneburg E. & Sons Co., 2639 Boston & Lakewood, Baltimore, Md.

## 3144—Cookers (For Fruit & Vegetable Canneries)

Huntley Mfg. Co. (Agitating Cookers) Silver Creek, N. Y.

## Cookers (Meal)

See Heaters or Cookers, Meal

## 3145— Cookers (Steam)

Bramhall-Deane Co., 261 W 36th, New York
Buzzini Walter J., 505 W 21st st, New York
Central Stamping Co., 174 Fulton, New York
Chandlee H. P. Sons Co., 114 W Lombard, Baltimore, Md.
Chicago Novelty Co, 1314 Clybourne av, Chicago, Ill
Clad Victor V. Co., 217-219 S 11th, Phila., Pa.
McAleer E J. & Co., 1422 N 8th, Phila., Pa.
National Enameling & Stamping Co., 411 5th av, New York
Republic, Metalware Co., The ("Savory"), Buffalo, N. Y
Sexton S. B. Stove & Mfg. Co. (Cast Iron), 500 Block W Conway, Baltimore, Md.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Toledo Cooker Co. ("Ideal"), Toledo, O.
Western Tin & Japan Mfg. Co. ("Challenge"), 1013 Walnut, Cincinnati, O.
Wolterstorff Range Co., 66 E 3d, St. Paul, Minn.
Wrought Iron Range Co., 5601 Natural Bridge av, St. Louis, Mo.

## 3146—Cookers (Tomato Pulp & Catsup)

U. S. Bottlers' Machinery Co. ("Fields"), 2511 Park, Chicago, Ill.

## 3147— Cooking Apparatus

Aluminum Goods Mfg. Co. (Kitchen Specialties), Manitowoc, Wis.
Bangs Jno. D. & Co., 421 S Wabash av, Chicago, Ill.
Blickman S. (Steam Tables), 199 Lafayette, New York
Blodgett G. S. Co., Burlington, Vt.
Born Steel Range Co., 3945 W 25th, Cleveland, O.
Bramhall, Deane Co., 261 W 36th, New York

COOKING APPARATUS—continued

Bucyrus Copper Kettle Wks. (Copper), Bucyrus, O.
Budde & Westermann, 7th av & 29th, New York
Burg E. F. Co. (Hotel Supplies), 224 W 1st, Duluth, Minn.
Buzzini Walter J., 505 W 21st, New York
Carpenter Cyrus & Co., 177 Massachusetts av, Boston, Mass.
Clad Victor V. Co., 217-219 S 11th, Phila., Pa.
Crane Wm. M. Co. ("Vulcan"), 16 W 32d, New York
Dold-Walls Co., 417 Commerce, Phila., Pa.
Dougherty W. F. & Sons, 925 Arch, Phila., Pa.
Duparquet, Hout & Moneuse Co., 110 W 22d, New York
Fuller & Warren Co. (French Cooking), Troy, N. Y.
Globe Stove & Range Co., Kokomo, Ind.
Hutchinson Bros., 5 S Howard, Baltimore, Md.
Illinois Pure Aluminum Co. (Hotel Utensils), Lemont, Ill.
Ils John G. & Co., 839 Mission, San Francisco, Cal.
Ingram W. H., 106 N 3d, Phila,, Pa.
Janows-Kramer Range Co. (Restaurant), 840 W Randolph, Chicago, Ill.
Joesting & Schilling Co. (Hotel Supplies), 379 Sibley, St. Paul, Minn.
Kieffer Bros., Syracuse, N. Y.
Kronman E., 248 Lafayette, New York
Majestic Mfg. Co., 2014 Morgan, St. Louis, Mo.
Malleable Steel Range Mfg. Co., (Steam Tables, etc), South Bend, Ind.
Mangrum & Otter, 561 Mission, San Francisco, Cal.
Miller A. G. (Coffee Urns), 108 Centre, New York
Miller, Wm. Range & Furnace Co., 125 E 5th, Cincinnati, O.
Montague Range & Furnace Co. (Hotel & Restaurant), 826 Mission, San Francisco, Cal.
Morandi-Proctor Co., 86 Washington, Boston, Mass.
New York French Range Co., 188 Chambers, New York
Plek Albert & Co. (Hotel Ranges), 212 W Randolph, Chicago, Ill.
Ray Geo. A. Mfg. Co. (Steam Tables), Buffalo, N. Y.
Richardson & Boynton Co., 31 W 31st, New York
Ricketts & Bartlett Range Co., 319 W Randolph, Chicago, Ill.
**RUDMAN & SCOFIELD**, 277 Pearl, New York
Russ Co. (Steam Tables), 5700 Walworth av, Cleveland, O.
Sexton S. B. Stove & Mfg. Co., 500 Block W Conway, Baltimore, Md.
Shepard J. A. Co., Land Title bldg, Phila., Pa.
Stearnes Co., 133 W Lake av, Chicago, Ill
Traub W. F. Range Co., 231 W Superior, Chicago, Ill.
Two Rivers Plating Works, Two Rivers, Wis.
Van John Range Co., 5th & B'way, Cincinnati, O.
Watkins Jas. Y. & Son (Bakers' Ranges), 20 Catherine, New York
Webb Elisha & Son Co. (Marine, also Lighting Apparatus), 136 S Front, Phila, Pa.
Wolterstorff Range Co., 66 E 3d, St. Paul, Minn.
Wrought Iron Range Co., 5661 Natural Bridge av, St. Louis, Mo.

## 3148—Cooking Apparatus (Electric)

Allmur Mfg. Co., Janesville, Wis.
American Electrical Heater Co. (Heaters, Grills, etc.), Burroughs & Woodward, Detroit, Mich.
Bibb B. C. Stove Co. ("Tuxedo," "Hartford," "Improved Maryland," "Witmer," "Caroline," "Ellicott," "Bolton," "Calvert," "Cecil," "Avalon," "Arcadia," "Glymont," "Athol," "Elgin," "Oriole," "Improved Daisy," "Improved Mirror" Ranges), 109 Light, Baltimore, Md.
Bennington Scale Co., Bennington, Vt.
Berkeley Electric Cooker Co., Berkeley, Cal.
Blickman, Isidor (Steam Tables), 479 First av, New York
Buzzini Walter J., 505 W 21st, New York
Caloric Co., Janesville, Wis.
Clifford L. L. & Co., Marion, Ind.
Copeman Electric Stove Co., Flint, Mich.
Crystal Percolator Co., 44 E 23d, New York
Despatch Mfg. Co., 120 1st av, N Minneapolis, Minn.
Edison Elec. Applicance Co., Inc. (Hotpoint Div), 5600 W Taylor, Chicago, Ill.
Edison Elec. Appliance Co., Inc., 5660 W Taylor, Chicago, Ill.
Elec. Mfg. Co., 59 New Montgomery, San Francisco, Cal.
Elec. Spec. Co. (Toasters & Irons), Benton Harbor, Mich.
Estate Stove Co. (Ovens), Hamilton, O.
Farad Elec. Co., Engineers' bldg, Cleveland, O.
Globe Stove & Range Co., Kokomo, Ind.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Hart, Wm. (Bakers & Confectioners), 34 Catherine, New York
Hoskins Mfg. Co. (Electric Toasters), 453 Lawton, Detroit, Mich.
Hughes Electric Heating Co. ("Hughes" Stoves & Ranges), 5660 W Taylor, Chicago, Ill.
Industrial Elect. Mfg. Co., 139 Beaubien, Detroit, Mich.
International Instrument Co. (Electric Ovens), Cambridge, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lindstrom-Smith Co., 3212 W Lake, Chicago, Ill.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Manning-Bowman & Co., Pratt, Meriden, Conn.
Michigan Stove Co., Jefferson av & Adair, Detroit, Mich.
National Elec. Co., 140 W Austin av, Chicago, Ill.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Phelps Mfg. Co. (Electric Toasters), 49 W Larned, Detroit, Mich.
Pick Albert & Co. (Hotel Ranges), 212 W Randolph, Chicago, Ill.
Pittsburgh Elec. Spec. Co. (Toaster Disc Stoves), Ross & 1st av, Pittsburgh, Pa.
Presto Elec. Co., 51 2nd, San Francisco, Cal.
Rathbone Sard Co., Albany, N. Y.
Reliance Elec. Htg. Co., Columbia, Pa.
Rochester Stamping Co., Rochester, N. Y.
Rutenber Elec. Co., Marion, Ind.
Ruvio Elec. Co., 50 Broad, New York
S. P. Stove Co., Wilmette, Ill.
Scientific Products Co., Steubenville, O.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Standard Elec. Nov. Co., 730 W Randolph, Chicago, Ill.
Standard Elec. Stove Co., 1720 N 12th, Toledo, O.
Stoneware Elec. Stove Wks., Dover, N. J.
Thermo Mfg. Co., Cleveland, O.
Waage Elec. Co. (Toast Stoves), 12 S Jefferson, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
White-Stokes Co., 3515 Jasper pl, Chicago, Ill.

## 3149—Cooking Apparatus (Gas)

Blodgett G. S. Co., Burlington, Vt.
Buzzini Walter J., 505 W 21st, New York
Duparquet, Huot & Moneuse Co., 110 W 22d, New York
Fuller & Warren, Troy, N. Y.
Meek Oven Mfg. Co., Newburyport, Mass.

## 3149a— Coolers (Acid)

Acid Proof Iron Products Co., Inc., 49 Herman, Newark, N. J.
Bethlehem Foundry & Machinery Co., Bethlehem, Pa.
Buffalo Forge Co., Buffalo, N. Y.
Buffalo Foundry & Machine Co. (Sulphurous), Buffalo, N. Y.
*See adv index at end of book*
Durlron Casting Co., 90 West, New York
General Ceramics Co., 50 Church, New York
Knght Maurice A., Akron, O.
Thermal Syndicate, Lt., 59 E 41st, New York

## 3149b—Cooking Utensils (China)

Ohio Pottery Co. ("Ohio"), Zanesville, O.

## 3150— Coolers (Air)

**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**GRISCOM-RUSSELL CO.** ("Multiwhirl"), 92 West, New York
*See adv index at end of book*
Schutte & Koerting Co., 12th & Thompson, Phila., Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*
Zellweger J & Sons, St. Louis, Mo.

## 3151— Coolers (Ammonia)

**ATLAS COPPER & BRASS MFG. CO.**, 2734 High, Chicago, Ill.
*See adv index at end of book*
Kast Copper & Sheet Iron Co., 91 Main, Buffalo, N. Y.

## 3152— Coolers (Beer)

American Spray Co., 26 Cortlandt, New York
**ATLAS COPPER & BRASS MFG. CO.**, 2734 High, Chicago, Ill.
*See adv index at end of book*
Baer A. S. & Son (Imp), 106 Wall, New York
Berner H. D. & Winterbauer Co., 380 Lafayette, New York
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Deckebach F. C. Sons Co., 123 W Court, Cincinnati, O.
Hall Amos H. & Sons, 2915 N 2d, Phila., Pa.
Keller George, 1051 Wyckoff av, Brooklyn, N. Y.
Ott Geo. F. Co., 209 Buttonwood, Phila., Pa.
Roos' August Sons, 429 E 91st, New York
Strater Herman & Sons, 74 Sudbury, Boston, Mass.

## 3153— Coolers (Brine)

American Spray Co., 26 Cortlandt, New York
Arctic Ice Machine Co., Canton, O.
**ATLAS COPPER & BRASS MFG. CO.**, 2734 High, Chicago, Ill.
*See adv index at end of book*
Baker Ice Machine Co., Omaha, Neb.
Carbondale Machine Co., Carbondale, Pa.
Triumph Ice Machine Co. (Shell), Oakley, Cincinnati, O.
Vogt Henry Machine Co. Inc., Louisville, Ky.
York Mfg. Co., York, Pa.

## 3154-5— Coolers (Candy)

Collum Mfg. Co., Hartford, Conn.

## 3156—Coolers (Circulating Water)

American Spray Co., 26 Cortlandt, New York
Devine J. P. Co., Buffalo, N. Y.

## 3157— Coolers (Clinker)

Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2nd & Luzerne, Phila., Pa.
Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Stearns-Roger Mfg. Co. (Cement Clinker, etc), Denver, Colo.
Treadwell Construction Co., Midland, Pa.

## 3158—Coolers (Cottonseed & Linseed Cake)

French Oil Mill Mach'y Co., Piqua, O.
Paducah Cooperage Co. (Tight Staves & Heading), Paducah, Ky.

## Coolers (Disc)

See Stoneware, Chemical

## 3158a— Coolers (Generator)

Braemer Air Conditioning Corp., Lafayette bldg, Phila., Pa.
Carrier Engng. Corp., 39 Cortlandt, New York
Fleisher W. L. & Co., Inc., 31 Union sq, W. New York

## 3158b—Coolers (Glass Enameled)

Elyria Enameled Products Co., Elyria, O.
**Pfandler Co., Cutler bldg, Rochester, N. Y.**

## 3159— Coolers (Lard)

Black-Clawson Co., Hamilton, O.
**Devine J. P. Co., Buffalo, N. Y.**

## 3160— Coolers (Lead)

**Chadwick Boston Lead Co., 162 Congress, Boston, Mass.**
**Traylor Engineering & Mfg. Co., Allentown, Pa.** *See adv index at end of book*

## 3161— Coolers (Meal)

Nordyke & Marmon Co., Kentuck av & Morris, Indianapolis, Ind.

## 3162—Coolers (Milk & Cream)

Atlas Copper & Brass Mfg Co. 2734 High, Chicago, Ill.
*See adv index at end of book*
Burrell D. H. & Co. ("Simplex" Internal Tube & Surface Coolers), Little Falls, N. Y.
Champion Milk Cooler Co., Cortland, N. Y.
Cordley & Hayes ("C. & H."), 7 Leonard, New York
Davis-Watkins Dairymen's Mfg. Co. (Open & Internal), North Chicago, Ill.
Jones Frank L., Utica, N. Y.
**Lewis Mfg. Co. ("Perfection" Aerators), Cortland, N. Y.**
**Reid A H. Creamery & Dairy Supply Co. (Tubular, Expansion & Cooler & Aerator), 69th & Haverford, Phila., Pa.**
**Skidd Chas. Mfg. Co. ("Chilly King"), Kenosha, Wis.**
**Superior Sheet Metal Works Co., 3201 Roosevelt av, Indianapolis, Ind.**

## 3163— Coolers (Oil)

**GRISCOM-RUSSELL CO.** ("Multiwhirl"), 92 West, New York
*See adv index at end of book*


**MULTIWHIRL COOLER**

Designed for cooling of lubricating oil for turbine bearings, reduction gears, oil used in the heat treatment of steel, and for many other applications such as liquid to liquid heat exchangers, etc.

THE
**GRISCOM-RUSSELL CO.**
92 West Street New York


Row & Davis Engineers, Inc. (Lubricating), 90 West, New York
*See adv index at end of book*
Schutte & Koerting Co. ("S. & K" Film), 1251 N 12th, Phila., Pa.

## 3164— Coolers (Ore)

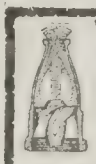
Stearns-Rogers Mfg. Co. ("Baker"), Denver, Colo.
Walker Mfg. Co., Denver, Colo.

## 3165— Coolers (Rotary)

**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 B'way, New York
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Reeves Bros. Co. (The), Alliance, Ohio
*See adv index at end of book*

## 3166— Coolers (Water)

Aldrich Mfg. Co., Buffalo, N. Y.
Allen Filter Co., Toledo, Ohio
American Spray Co., 26 Cortlandt, New York
Boston Filter Co. ("Boston"), Chelsea, Mass.
Blaw-Knox Co., Freeport rd, Hoboken, N. J.
**Buffalo Mfg. Co. ("Jewett," "New Era"), Buffalo, N. Y.**
**Central Stamping Co. ("Puritan"), 172 Fulton, New York**
**Chandlee H. P. Sons Co., 114 W Lombard, Baltimore, Md.**
Cooling Tower Co., Inc., 15 John, New York
Cooper & McKee, 110 Lorimer, Brooklyn, N. Y.
Cordley & Hayes ("Fibrotta," "XX Century" Fibre Ware), 7 Leonard, New York
**Dover Stamping & Mfg. Co. (Galvanized Tank & "Dover" Wood Jacket), Cambridge, Mass.**
**Dressel Railway Lamp Works (For Locomotive or Railway Use, with Handle Attached), 3860 Park av, New York**
Everson Filter Co. ("Everson," "Giant," "Eskimo," "Queen," "King," "Puritan"), 70 W Lake, Chicago, Ill.
**Fearless Dish Washer Co. ("Barron"), Rochester, N. Y.**
**Fulper Pottery Co., Flemington, N. J**
**Gray Peter & Sons, Inc., 286 Third, East Cambridge, Mass.**
Griscom-Russell Co. (Air & Water), 92 West, New York
*See adv index at end of book*
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.** *See adv index at end of book*
Kraft A. C. ("Alaskan"), 323 W Lake, Chicago, Ill.
**Lalance & Grosjean Mfg. Co., 299 B'way, New York**
Loeber Henry G. Co., 151 E 126th, New York
Major Mfg. Co. (Glass), 461 Pearl, New York
Manning, Bowman & Co., Meriden, Conn.
McKee Glass Co. (All Glass), Jeannette, Pa.
National Enameling & Stamping Co., 411 5th av, New York
New Farson Mfg. Co. (Hardwood), Chester, Pa.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orlean, La.
Perfection Cooler Co. ("Perfection"), Michigan City, Ind.
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Ray Geo. A. Mfg. Co. (All Copper Nickel Plated), Buffalo, N. Y.
Republic Metalware Co. The, Buffalo, N. Y.
Robinson Clay Product Co. (Stone), Akron, Ohio
Sanitary Cooler Co., Pottstown, Pa.
Sloan Novelty Mfg. Co. ("Sloan"), Kansas City, Mo
**SPRAY ENGINEERING CO.** ("Spraco" System, for Condensing Water, Jacket Water, etc.), 93 Federal, Boston, Mass.
*See adv index at end of book*

**"SPRACO"**
Systems for cooling Condensing Water insure 28° vacuum in any climate.
**SPRAY ENGINEERING CO.**
93 Federal St.,
BOSTON, MASS.


Standard Stamping Co. ("Blizzard"), B'way & Chambers, St. Louis, Mo.
**STAR BRASS WORKS**, 3129 Carroll av, Chicago, Ill. *See adv index at end of book*
Superior Sheet Metal Works Co., 3201 Roosevelt av, Indianapolis, Ind.
Union Cooperage Co. ("U. C."), 2d & Penrose, St. Louis, Mo.
Zelleveger J. & Sons, St. Louis, Mo.

## 3167— Coolers (Wine)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Ray Geo. A Mfg. Co. (Heavy Brass & Copper, Nickel Plated, Silver Lined, etc), Buffalo, N. Y.

## 3167a— Cooling Nozzles (Water Spray)

Cooling Tower Co., Inc., 15 John, New York
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
**STAR BRASS WORKS**, 3129 Carroll av, Chicago, Ill. *See adv index at end of book*

## 3167b— Cooling Towers

Cooling Tower Co., Inc., 15 John, New York

## 3168— Cooperage Stock

Adams Frank P. (Staves & Headings), Bluffton, Ind.
Adams J. A. & Sons Co., Ltd. (Tight Staves for Whiskey, Oil & Pork Barrels, etc.), Ruston, La.
Adams S. H. (Slack Barrel Staves & Headings), Portland, Ind.
Alabama Cooperage Co. (Yellow Pine Heading, etc), Calera, Ala.
American Stave & Cooperage Co., Chelsea, Mass.
Arkadelphia Milling Co. (Tight Barrel Staves, Kiln Dried & Jointed, Bucked & Sawed; Whiskey, Oil, Tierce & Cut Staves), Arkadelphia, Ark.
Baker-Matthews Mfg. Co. (Staves), Sikeston, Mo.
Beebe Stave Co. (Ash & Cottonwood Staves & Heading & Coiled Elm Hoops), Little Rock, Ark.
Bell Edwin Co, So 17th, Pittsburgh, Pa.
Bettis H. Co. (Slack Cooperage, Staves, Heading, Hoops, etc), Wheeling, W. Va.
Big Run Mfg. Co. (Staves), Allentown, Pa.
Bolz-McBride Cooperage Co. (Slack Staves & Heating), Title Guaranty bldg, St. Louis, Mo.
Bott Bros. Mfg. Co., Alexandria, Mo.
Brooklyn Cooperage Co. (Sugar Barrels, etc.), 142 Kent av, Brooklyn, N. Y.
Brown Stave Co. (Ltd.), (Staves), Monroe, La.
Buckeye Stave Co. (Staves, etc), Leipsic, O.
Burdette Cooperage Co. (Staves & Headings), Burdette, Ark.
Burkhartsmeier Daniel Cooperage Co., 7254 S Chicago av, Chicago, Ill.
Cal Barrel Co., 433 California, San Francisco, Cal.
Calcutt N. W. Co. (Tight Barrel Staves & Heading), Dyersburg, Tenn.
Campbell J. M. (Staves), Caldwell, Ark.
Chickasaw Cooperage Co. (Shooks & Barrels), Memphis, Tenn.
Coleman W. H. Co. (Tight Barrel & Circled Heading), Jackson, Tenn.
Colvin S. S. Stave Co. (Staves, etc.), Pemberville, O.
Colwell Cooperage Co. (Package Stock), 412 Greenwich, New York
Cornie Stave Co. (Staves, etc), Junction City, Ark.
Courtney Co., Charleston, W. Va.
Delta Stave Co. (Staves), Sibley, La.
Doud Sons & Co., Winona, Minn.
Earl Cooperage Co. (Slack Ash & Elm Barrel & Butter Tub Stock), Earl, Ark.
Eberhard & Splater (Staves), Troy, Ind.
Export Cooperage Co. (Slack & Tight), Leslie, Ark.
Farmers' Mfg. Co. (Slack Cooperage, Staves, Headings & Hoops), Norfolk, Va.
Finke Bros. (Staves, etc), Portland, Ore.
Flint Hill Cooperage & Lumber Co. (Barrel, Staves & Headings), Flint Hill, Va.
Fostoria Stave & Barrel Co. (Staves, etc.), Fostoria, O.
Fuqua J. J. (Tight Stock, White & Red Oak, Sawn Staves & Heading), Milan, Tenn.
General Cooperage & Timber Co., Whitney Central bldg, New Orleans, La.
Genessee Cooperage Co. (Staves & Headings), Elba, N. Y.
Gerold Frank Co., 453 N Green, Chicago, Ill.
Gotshall Mfg. Co., Archbold, O.
Greif Bros. Cooperage Co. (All Kinds of Slack Stock), 1937 Willey av, Cleveland, O.
Griffith Robt. C. (Hoopes), Terre Haute, Ind.
Grismore-Hyman Co. (Slack Barrel), Memphis, Tenn.

COOPERAGE STOCK—continued

Hall W. P. Stave Co. (Slack Stock, also White Ash Butter Tub Staves), Memphis, Tenn.
Hamlin J. H. & Son, Portland, Ore.
Hampton Stave Co. (Tight Stave Stock), Fordyce, Ark.
Harlan-Morris Mfg. Co. (Barrel Staves & Circled Heading), Jackson, Tenn.
Harrison John F. (Staves), Bienville, La.
Hawk A. J. Sons (Hoops, etc), Rockford, O.
Hayes A. L. Co. (Staves), Nashville, Tenn.
Henning E., Inc. (Staves, Headings & Hoops), 105 S La Salle, Chicago, Ill.
Heidt C. & Son (Staves, Headings & Hoops), 64 Fairmount, Jersey City, N. J.
Hickory Run Mfg. Co. (Stave), Allentown, Pa.
Hire Stave & Tile Co. (Staves, etc.), Mark Center, O.
Hoge H. H. (Hoops, etc), New Knoxville, O.
Holland S. G. Stave Co. (Staves), Nashville, Tenn.
Hollingshead J. D. Co., 208 S La Salle, Chicago, Ill.
Hornung Jacob (Staves, Hoops, etc), New Bavaria, O.
Hudson & Dugger Co. (Headings), Memphis, Tenn.
Humble W. H. (Staves), Holly Grove, La.
Humboldt Cooperage Co. (Staves & Heading), Arcata, Cal.
Interstate Cooperage Co., 56 New, New York
Jackson & Tindle (Slack Staves, Heading & Hoops), Buffalo, N. Y.
Keaton Bros. (Staves), Memphis, Tenn.
Knabb & Co., Warren, Pa.
Louisiana Cooperage Co. (Staves & Headings), Plaquemine, La.
McArdle & Co. (Dirs.), 38th pl. & Gage, U. S. Yards, Chicago, Ill.
McColgan J. W. (Staves), Dexter, Mo.
McLean I. F. (Tight Stock), Nashville, Tenn.
McNeill Cooperage Co., (Slack Barrels), Phillipsburg, N. J.
Major Stave Co. (Tight Stock, White & Red Oak & Ash Staves), Ashdown, Ark.
Memphis Stave Mfg. Co. (Slack Stock, Elm, Gum, Sycamore, etc), Memphis, Tenn.
Michel Cooperage Co., Sandusky, O.
Mill Shoals Cooperage Co. (Slack Stock Gum, Sycamore, Elm & Ash), Mill Shoals, Ill.
Miller G. L., Java, N. Y.
Moeller John H. (Staves & Headings), Mt. Vernon, Ind.
Moore L. E. Stave Co. (Beer Staves, etc), Weis bldg, New Orleans, La.
Mt. Olive Stave Co. (Tight Staves & Heading), Batesville, Ark.
National Cooperage & Woodenware Co. (Tight, White Oak & Gum Staves & Heading), Peoria, Ill.
NATIONAL MFG. CO. (Slack Cooperage Stock for Flour, Lime & Sugar Barrels), Dime Savings Bank bldg, Detroit, Mich.
Noble Wm. K. (Slack Barrel), Ft. Wayne, Ind.
Northern Ohio Cooperage & Lumber Co. (Slack Staves), Parkin, Ark.
Ohio Stave Co. (Staves etc), Cardington, O.
Omaha Cooperage Co. (Tight & Slack Barrels), Omaha, Neb.
Ozark Cooperage & Lumber Co. (Gum Staves, etc), International Life bldg, St. Louis, Mo.
Pekin Cooperage Co. (Tight), Pekin, Ill.
Pennoyer J. C. Co. (Slack & Tight), 8 S Dearborn, Chicago, Ill.
Pennsylvania Cooperage Co., Oil City, Pa.
Pennypacker W. G., Jr. (Slack Stock), Mutual Life bldg, Buffalo, N. Y.
Pensacola Cooperage Co. (Tight Barrel Staves & Circled Heading), Pensacola, Fla.
Pioneer Cooperage Co. (Tight), 2212 De Kalb, St. Louis, Mo.
Port Arthur Cooperage Co. (Oil Barrel Staves & Headings), Port Arthur, Tex.
Pointe Coupee Stave & Lumber Co. (Staves), New Orleans, La.
Ritzwoller M. H. Co. (Tight Staves, Sawed & Bucked, Liquor, etc.), 4800 S Hoyne av, Chicago, Ill.
Roper John L. Lumber Co. (Tank Planks), Norfolk, Va.
Rush H. G. Cooperage Co. (Staves & Headings), Oil City, Pa.
Russell Frank B. (Beer Staves), Louisville, Ky.
St. Helens Creosoting Co., Yeon bldg, Portland, Ore.
Sandusky Cooperage & Lumber Co. (Hoops, Staves & Heading), Toledo, O.
Schinnerer Geo. (Slack Staves & Hoops), Columbus, Ind.
Schweickhard Jacob (Hoops, etc), Tiffin, O.
Skuse Cooperage (Slack), Rochester, N. Y.
Southern Cooperage Co. (Staves, Headings & Hoops), 3160 Chartres, New Orleans, La.
Southern Cooperage Co. (Slack Barrel Heading Keg Staves, etc), Claremont, Va.
Southern Roller Stave & Heading Co. (Staves, Headings, etc), Elizabeth City, N. C.
Struthers-Ziegler Cooperage Co. (Slack Barrel Stock, Staves, Hoops & Heading), Book bldg, Detroit, Mich.
Sutherland, Innes Co. (Slack & Tight, Keg, Barrel, Hogshead, Pipe & Cask Staves), 29 B'way, New York
Tennessee Hoop Co. (Coiled Elm Hoops), Memphis, Tenn.
Trexler Cooperage Co. (Slack), Allentown, Pa.
Union City Hoop & Lumber Co. (Coiled Elm Hoops), Union City, Ind.
Union Cooperage Co. (Light Cooperage for all Purposes), 2d & Penrose, St. Louis, Mo.
Vail Cooperage Co. (Slack Barrels, Staves & Hoops), Ft. Wayne, Ind.
Van Aken C. M. Cooperage Co. (Slack Barrel Staves & Heading, Elm Hoops for Flour, Sugar, Lime, Cement, Fruit, etc), 141 B'way, New York
Va. Barrel Co. (Slack Barrels, Staves & Heading), Winchester, Va.
Voltermann F. H. (Tight, White & Red Oak, Ash, Gum & Cypress), Brownsville, Tenn.
Walsh Mfg. Co. (Keg & Barrel Hoops & Staves), 72 S 9th, Pittsburgh, Pa.
Wamsley A. S. (Hoops), Stout, O.
Wauseon Lumber & Supply Co. (Hoops), Wauseon, O.
Welch Millard Co. (Beer Keg Staves & Heading), Nashville, Tenn.
Western Cooperage Co., Portland, Ore.
Whitehouse & Dyer (Slack & Tight), Columbia, Tenn.
Williams S. C. & Co. (Slack, for Pottery Packages), East Liverpool, O.
Williamston Cooperage Co. (Heading, Staves), Williamston, N. C.
Wilson-Wrape W. W. Stave Co. (Tight, Specialty Whiskey Staves), Little Rock, Ark.
Wylie & Wilson (Slack), Saginaw, Mich.
Wynne Stave Co. (Tight Barrel Staves), Wynne, Ark.

## 3169— Cooper's Supplies

Godfrey John F., Elkhart, Ind.
Hynson Tool & Supply Co. (Tools & Supplies), 4758 Easton av, St. Louis, Mo.

## 3170— Coops (Poultry)

Bumpass Coop Co. (Brood), Bumpass, Va.
Defiance Box Co. ("New Royal," "Sites"), Defiance, O.
Defiance Welding Co. (Steel Feeding), Defiance, O.
Delphos Mfg. Co. (Galvanized), 1st & Pierce, Delphos, O.
Excelsior Stone & Mfg. Co., Quincy, Ill.
Foster Sheet Metal Co. (Galvanized), Springfield, Ill.
Hawkeye Pump Co. (Brood), Fairfield, Ia.
Hornbrook-Price Co. (Brood), 1970 Madison av, Indianapolis, Ind.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Niemann Bros. (Brood), Mt. Olive, Ill.
Northwestern Stamping Co., Burlington, Ia.
Omaha Box Co., Omaha, Neb.
Otselic Mfg. Co. (Brood), Whitney Point, N. Y.
Reeves Mfg. Co., Dover, O.
Superior Sheet Metal Works Co. (Metal), 3201 Roosevelt av, Indianapolis, Ind.
Union Steel Products Co., Ltd. (Sanitary, All Steel), Albion, Mich.
United Steel & Wire Co. (Exhibition & Shipping), Battle Creek, Mich.
Weber & Kirch Mfg. Co., Keokuk, Ia.

## Copal Gum Importers

See Varnish Gums

## 3170a—*Copaloy Bearing Metal

Michigan Smelting & Refining Co. (Copper), Detroit, Mich.
*See adv index at end of book*

## 3170b— Coping Wall

See also Pipe-Sewer

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.
Warren Products Co., 265 B'way, New York. *See adv index at end of book*

## 3170c— Copper Acetate

Fuller Ralph L. & Co., Inc., 81 Fulton, New York.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio.

## Copper Angles, Channels, Etc.

See Brass & Copper Angles, Channels, etc.

## 3171—Copper (Bolt & Bar)

AMERICAN BRASS CO., Waterbury, Conn.
*For branch offices see adv index at end of book*
American Smelting & Refining Co., 120 B'way, New York
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Bridgeport Brass Co., Bridgeport, Conn.
Detroit Copper & Brass Rolling Mills, Clark av, nr. Wabash RR., Detroit, Mich.
Hendricks Bros., 49 Cliff, New York
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Livermore, Homer F., Inc., 85 Pearl, Boston, Mass.
MIDWEST BRASS & BRONZE CO., INC., 480 Broome, New York
*See adv index at end of book*
Rome Brass & Copper Co. (Hard & Soft Drawn Copper Bar), Rome, N. Y.
Tacoma Smelting Co., Tacoma, Wash.
Taunton-New Bedford Copper Co., Taunton, Mass.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Phila., Pa.
*See adv index at end of book*
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven Conn.
WHITEHEAD METAL PRODUCTS CO., 67-73 Washington, North Boston, Mass.
*See adv index at end of book*

## 3172— Copper Bottoms

American Brass Co., Waterbury, Conn.
*For branch offices see adv index at end of book*
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Detroit Copper & Brass Rolling Mills, Clark av, nr. Wabash R. R., Detroit, Mich.
Hungerford U. T. Brass & Copper Co (Pits & Flats), 80 Lafayette, New York
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
MERCHANT & EVANS CO. (Pits & Flats), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Michigan Copper & Brass Co., 1611 W. Jefferson av, Detroit, Mich.
MIDWEST BRASS & BRONZE CO., INC., 480 Broome, New York
*See adv index at end of book*
New Haven Copper Co., Seymour, Conn.
Rome Brass & Copper Co., Rome, N. Y.
Taunton-New Bedford Copper Co., Taunton, Mass.
TRUMPBOUR-WHITEHEAD BRASS & COPPER CO., 309-311 Canal, New York, & 43 N 7th, Phila., Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-71 Washington, No. Boston, Mass.
*See adv index at end of book*

### 3172a — Copper (Boron)

American Boron Products Co. (Plastics, Copper-nickel & Copper-lead, Anti-friction) (In Shot Form), 686 Court, Reading, Pa.

### Copper (Braziers')

See Copper Bottoms

### 3172b— Copper Carbonate

Fuller Ralph E. & Co., Inc., 81 Fulton, New York
General Platers Supply Co., 489-493 Broome, New York
Harshaw, Fuller & Goodwin, Elec. bldg., Cleveland, O.
Lockport Chemical Wks., Lockport, Ill.
Muning A. P. & Co., Mattawan, N. J.
Warren Products Co., 265 Canal, New York. *See adv index at end of book*
Wiarda John C. & Co. (Precipitated, Dry & Plaster), 273 Greene, Brooklyn, N. Y.

### 3172c— Copper (Chloride)

Cooper Chas. & Co., 194 Worth, New York
Warren Products Co., 265 B'way, New York. *See adv index at end of book*

### 3172d— *Copper (Cobalt)

Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*

### Copper Coils

See Pipe Bends & Coils

### 3172e— Copper Cyanide

Harshaw, Fuller & Goodwin Co., Elec. bldg. Cleveland, O.

### 3173— *Copper Dealers

**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*

### Copper Dealers (Sheet)

See Tin Plate, Metals, etc.

### 3174—Copper (Dynamo Brush)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Detroit Copper & Brass Rolling Mills, Clark av. nr. Wabash R. R., Detroit, Mich.
**MERCHANT & EVANS CO.**, Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Michigan Copper & Brass Co., 1611 Jefferson av, Detroit, Mich.
**MIDWEST BRASS & BRONZE CO., INC.**, 480 Broome, New York
*See adv index at end of book*
Rome Brass & Copper Co. (Brush & Battery Copper, Annealed or Hard), Rome, N. Y.
Taunton-New Bedford Copper Co., Taunton, Mass.

### 3175—Copper (Electric & Foil)

Benson H. K. & F. S., Glen-Ridge, N. J

### 3176—Copper Fire Box Sheets

Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Detroit Copper & Brass Rolling Mills, Clark av. nr. Wabash R. R., Detroit, Mich.
Hendricks Bros., 49 Cliff, New York
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
Michigan Copper & Brass Co., 1611 Jefferson av, Detroit, Mich.
Taunton-New Bedford Copper Co., Taunton, Mass.

### 3177—Copper for Commutator Bars

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Detroit Copper & Brass Rolling Mills, Clark av. nr. Wabash R. R., Detroit, Mich.
Eureka Co., Northeast, Pa.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
**MERCHANT & EVANS CO.**, Washington av & 21st, Phila., Pa.
*See adv index at end of book*
**MIDWEST BRASS & BRONZE CO., INC.**, 480 Broome, New York
*See adv index at end of book*
Taunton-New Bedford Copper Co., Taunton, Mass.
Trumphour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Phila., Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-73 Washington, North Boston, Mass.
*See adv index at end of book*

### 3178— Copper (Manganese)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
American Alloys Co., American bldg, Baltimore, Md.
Crescent Phosphorized Metal Co., 2314 Wood, Phila., Pa.
**DAMASCUS BRONZE CO.** ("Damascus", 10%, 20%, 30%), N S Pittsburgh, Pa.
*See adv index at end of book*
Electric Smelting & Aluminum Co., Lockport, N. Y.
**METAL & THERMIT CORP.**, 120 B'way, New York *See adv index at end of book*
**MORE-JONES BRASS & METAL CO.**, B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Riverside Metal Co., Riverside, N. J.
United States Reduction Co., E Chicago, Ind.

### 3178a— Copper Nitrate

General Chemical Co., 25 Broad, New York
Merrimac Chemical Co., 148 State, Boston, Mass.

### Copper, Ores, Mattes & Bullion

See Ores, Copper

### 3178b— Copper Oxide

Drakenfeld B. F. & Co., 50 Murray, New York
Feuchtwanger L. & Co., 36 Liberty, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Riverside Metal Co., Riverside, N. J.
Harshaw, Fuller & Goodwin, Elec. bldg., Cleveland, O.
Wiarda Jno C. & Co., 273 Greene, Brooklyn, N. Y.

### 3179— Copper (Polished)

Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
**MIDWEST BRASS & BRONZE CO., INC.**, 480 Broome, New York
*See adv index at end of book*
New Haven Copper Co., Seymour, Conn.
North American Copper Co., 52 Vanderbilt av, New York
Taunton-New Bedford Copper Co., Taunton, Mass.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

### 3179a— Copper Producers

Miami Copper Co., 61 B'way, New York
Tennessee Copper Co., 61 B'way, New York

### 3180—Copper Refiners (Electrolytic)

American Smelting & Refining Co., 120 B'way, New York; Works: Perth Amboy, N. J.
Anaconda Copper Mining Co., Anaconda, Mont.
Balbach Smelting & Refining Co., 580 Market, Newark, N. J.
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Clendenin Bros., Central av & Fawn, Baltimore, Md.
Nichols Copper Co., 25 Broad, New York
Raritan Copper Works, 42 B'way, New York
Scheel Wm. H., 159 Maiden la, New York
*See adv index at end of book*
Seligman Arthur, 165 B'way, New York
Tacoma Smelting Co., Tacoma, Wash.
Turukawa & Co., Ltd. (Imp), 120 B'way, New York
U. S. Metals Refining Co., 61 B'way, New York
United States Smelting, Refining & Mining Co. ("U. S. S. Co."), 120 B'way, New York

### 3180a— Copper (Resinate)

Hochmeister-Lind Chemical Co., Pittsburgh, Pa.

### 3181— Copper (Roll)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
**BALTIMORE TUBE CO.**, Wicomico & Ostend, Baltimore, Md.
Bridgeport Brass Co., Bridgeport, Conn.
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Detroit Copper & Brass Rolling Mills, Clark av. nr. Wabash R. R., Detroit, Mich.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
Michigan Copper & Brass Co., 1611 Jefferson av, Detroit, Mich.
**MIDWEST BRASS & BRONZE CO., INC.**, 480 Broome, New York
National Brass & Copper Co., Lisbon, O.
New Jersey Tube Co., Harrison, N. J.
Plume & Atwood Mfg. Co., Waterbury, Conn.
**TRUMPBOUR-WHITEHEAD BRASS & COPPER CO.**, 309-311 Canal, New York, & 43 N 7th, Phila., Pa.
*See adv index at end of book*
**WHITEHEAD METAL PRODUCTS CO.**, 67-73 Washington, North Boston, Mass.
*See adv index at end of book*

### 3182— Copper Scale

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

### 3182a— Copper (Scrap)

Knight Iron & Metal Co., 27th to 28th, 1st av, Birmingham, Ala.
Nelson Ira L., 10 High, Boston, Mass.

### Copper (Sheet)

See Copper & Brass Sheet

### 3183—Copper Sheets (Cold Rolled & Annealed)

Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
North American Copper Co., 52 Vanderbilt av, New York
New Jersey Tube Co., Harrison, N. J.
Taunton-New Bedford Copper Co., Taunton, Mass.

### 3184— Copper (Silicon)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
American Boron Products Co., Inc. (Boronic in Shot Form), Reading, Pa.
**DAMASCUS BRONZE CO.** ("Damascus Guaranteed" 10%, 20%, 30%) N S Pittsburgh, Pa.
*See adv index at end of book*
Electric Smelting & Aluminum Co., Lockport, N. Y.
O'Connor J. J. & Co. (Dir.), 1st Nat'l Bank bldg, Pittsburgh, Pa.

### 3185— Copper Sulphate

See also Chemicals, Battery

Am. Metal Co., 61 B'way, New York
American Smelting & Refining Co., 120 B'way, New York
Domestic Chemical Corp., Maspeth & Gardner avs, Brooklyn, N. Y.
Drakenfeld B. F. & Co. (Dealers), 50 Murray, New York
Ferguson Alex C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fergusson Bros., 109 Chestnut, Phila, Pa.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Chemical Co. (Blue Stone), 25 Broad, New York
Glogan & Co., 466 Dickey bldg, Chicago, Ill.

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TUBES
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480 BROOME STREET, NEW YORK
Cable Address: Midbracop, New York

COPPER—SULPHATE—continued

Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.
Irvington Smelting & Refining Works, Irvington, N. J.
Klipstein A. & Co., 644 Greenwich, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Mountain Copper Co. (Ltd.), ("Morocco" Bluestone), 322 Pine, San Francisco, Cal.
Nichols Copper Co., 25 Broad, New York
Partola Mfg. Co., 160 2d av, New York
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

### 3185a— Copper Sulphide

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 B'way, New York. *See adv index at end of book*

### 3186— Copper (Tinned)

Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Hardy Chas., Inc. (Broker), Park Row bldg, New York
Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.

### Copper Tubes

See Tubing, Brass & Copper

### 3187—Copper Ware (Stamped, Plated, Etc.)

Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Burton W. J. Co. (Tea Kettles), Junction & Federal, Detroit, Mich.
Kreamer A. Inc., 307 Kent av, Brooklyn, N. Y.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.) ("Lisk" Nickel Plated), Canandaigua, N. Y.
Manning, Bowman & Co., Meriden, Conn.
Picking D. & Co., Bucyrus, Ohio
Ray Geo. A. Mfg. Co., Buffalo, N. Y.
Rochester Stamping Co. ("Royal Rochester"), Rochester, N. Y.
Rome Mfg. Co. ("Rome" Tea Kettles, Coffee Pots, Boilers, etc.), Rome, N. Y.
Sweeney W. H. Mfg. Co., 30 Main, Brooklyn, N. Y.

### 3188—Copper Work (Dyers')

American Copper & Brass Works, Cincinnati, O.
Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Grebenzik H. & Son, N Paterson, N. J.
Northwestern Copper & Brass Works, 59 W 3rd, St. Paul, Minn.
Rome Brass & Copper Co., Rome, N. Y.
Taunton-New Bedford Copper Co., Taunton, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

### 3189—Copper & Brass (Sheet)

**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York
*See adv index at end of book*
**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*

WIRE
RODS
SHEETS

BRASS & COPPER
PHOSPHOR BRONZE AND NICKEL SILVER
MONEL METAL

SEAMLESS
AND
BRAZED
TUBES

RIVETS—BOLTS & NUTS—NAILS—SCREWS
LARGE STOCK IN BOSTON AND NEW YORK

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BOSTON MASS.

TRUMBOUR-WHITEHEAD
BRASS & COPPER CO.
307-311 CANAL STREET, NEW YORK and
43 NORTH 7th ST., PHILADELPHIA, PA.

Baltimore Copper Smelting & Rolling Co. (Copper Only), Canton, Baltimore, Md.
**BALTIMORE TUBE CO.**, Wicomico & Ostend, Baltimore, Md.
Besly Chas. H. & Co. (Jobbers), 120 N Clinton, Chicago, Ill.
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co. (Brass Only), Bristol, Conn.
**CHASE METAL WORKS** ("Chase" also Bronze), Waterbury, Conn.
**CHASE ROLLING MILL CO.** ("Chase" also Bronze), Waterbury, Conn.
Cleveland Brass & Copper Mills, Inc. (Brass only), Euclid, O.
Connecticut Brass & Mfg. Corp., Waterbury, Conn.
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Detroit Copper & Brass Rolling Mills, Clark av. nr. Wabash R. R., Detroit, Mich.
Froment & Co. (Alloy), 150 Bank, New York
Gardner B. M. Co., Guardian bldg, Cleveland, O.
Hendricks Bros. (Copper Only), 49 Cliff, New York
Hough W. S., Jr., Co., 61 Peck, Providence, R. I.
Hungerford U. T. Brass & Copper Co., ("Star"), 80 Lafayette, New York
Hussey C. G. & Co. (Copper Only), 2850 2d av, Pittsburgh, Pa.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
McKenna Brass Mfg. Co. (Jobbers), 1st av & Ross, Pittsburgh, Pa.
**MERCHANT & EVANS CO.** (Jobbers), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Metal Products Co., Inc., 100 So Jefferson, Chicago, Ill.
*See adv index at end of book*


COPPER & BRASS
*SHEET, ROD, TUBE, ANODES, WIRE*
Chicago Stock or Mill Shipment
METAL PRODUCTS CO.
100 South Jefferson Street, Chicago, Ill.


Michigan Copper & Brass Co., 1611 Jefferson av, Detroit, Mich.
**MIDWEST BRASS & COPPER CO., INC.**, 480 Broome, New York
*See adv index at end of book*
National Brass & Copper Co., Lisbon, O.
**NEW ENGLAND BRASS CO.**, Taunton, Mass.
New Haven Copper Co. (Copper Only), Seymour, Conn.
New Jersey Tube Co., Harrison, N. J.
New York Brass & Copper Co., 209 Centre, New York
North American Copper Co., 52 Vanderbilt av, New York
Philadelphia Brass Co., East Downington, Pa.
Plume & Atwood Mfg. Co. (Brass), Waterbury, Conn.
Randolph-Clowes Co., Waterbury, Conn.
Republic Metalware Co. (Copper only), Buffalo, N. Y.
Riverside Metal Co. (Brass Only), Riverside, N. J.
Rome Brass & Copper Co., Rome, N. Y.
Scott, Sugden & Lamont, Monadonck bldg., San Francisco, Cal.
**SCOVILL MFG. CO.** (Brass Only), Waterbury, Conn. *See adv index at end of book*
Selby Smelting Works (Copper), 201 1st, San Francisco, Cal.
Seymour Mfg. Co., Seymour, Conn.
Somers Co., Inc. (Thin Gage), Waterbury, Conn.
Stamford Rolling Mills Co., Springdale, Conn.
Taunton-New Bedford Copper Co., Taunton, Mass.
**TRUMPBOUR-WHITEHEAD BRASS & COPPER CO.**, 309-311 Canal, New York, & 43 N 7th, Phila., Pa.
*See adv index at end of book*
Twentieth Century Brass Works (Brass), 514 Fifth av, S. Minneapolis, Minn.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Waterbury Rolling Mills (Brass), Waterbury, Conn.
**WHITEHEAD METAL PRODUCTS CO.**, 67-73 Washington, North Boston, Mass.
*See adv index at end of book*

## 3190— Copperas

**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Fuller Ralph L. & Co., Inc., 81 Fulton New York
General Chemical Co., 25 Broad, New York
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.
Hillier's R. Sons Co. (Powdered), 100 William, New York
Indiana Steel & Wire Co. (Sulphate of Iron), Muncie, Ind.
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Keystone Steel & Wire Co., Peoria, Ill.
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
National Zinc Co., 61 B'way, New York
Ohio Seamless Tube Co., Shelby, O.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.
Powers-Weighman Rosengarten Co., 916 Parrish, Phila., Pa.
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
Riverside Acid Works, Warren, Pa.
Warren Products Co., 265 B'way, New York *See adv index at end of book*
Western Chemical Mfg. Co., Denver, Col.
**WESTMORELAND CHEMICAL & COLOR CO.**, 925 Chestnut, Phila., Pa.
Wiarda John C. & Co., (Jobbers), 273 Greene, Brooklyn, N. Y.

## 3191— Coppers (Battery)

American Brass Co., Waterbury, Conn.
*For branch offices see adv index at end of book*
Beattie Zinc Works Co., Reading, Mass.
Bryant Mfg. Co., 456 W Ontario, Chicago, Ill.
Bryant Zinc Co., 600 Orleans, Chicago, Ill.
Edes Mfg. Co., Plymouth, Mass.
Eureka Co., North East, Pa.
Fox Jno. M. & Co., Portland, Me.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Pearce Fred'k Co., 18 Rose, New York
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.

## 3192— Coppersmiths

See also Boilers, Range, Copper

Ahlers & Gregoire, Louisville, Ky.
American Copper & Brass Works, Cincinnati, O.
Ames & Ginty, Hereford, Boston, Mass.
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Aufruchtig Alois, Copper & Iron Wks., 900 S. 3rd, St. Louis, Mo.
**BADGER E. B. & SONS CO.**, 75A Pitts, Boston, Mass. *See adv index at end of book*
Baeuerle & Morris, 932 N Front, Phila., Pa.
Baizley Jno. Iron Works, 514 S Delaware av, Phila., Pa.
Bertelsen & Petersen Eng. Co., 256 Border, Boston, Mass.
Blessing C. A., 516 Montgomery av, Phila., Pa.
Boston Copper Works Co., E Boston, Mass.
Brightwood Brass Foundry, Springfield, Mass.
Burroughs R. A. & Co., Norfolk, Va.
Columbia Heater Co., Paterson, N. J.
Cooper B & Son, 923 E Baltimore, Baltimore, Md.
Corcoran Matt & Co., Louisville, Ky.
**DAHLQUIST MFG. CO.**, 40 W 3rd, South Boston, Mass.
*See adv index at end of book*
East Side Copper Works, 353 E 31st, New York
Emory P. P. Mfg. Co., Springfield, Mass.
Engelhard Frank & Sons, 200 Franklin, Springfield, Mass.
Flynn Bros., Hoboken, N. J.
Flynn Wm. S., 76 Hudson, Jersey City, N. J.
Furman-Fisher Corp, 32 Church, New York
*See adv index at end of book*
**GERDES & CO.**, 42 Church, New York
*See adv index at end of book*
Gerstein Bros. & Copper, 3 W 3d, S Boston, Mass.
Griscom-Russell Co., 92 West, New York
*See adv index at end of book*
Harris Arthur & Co., 212 N Curtis, Chicago, Ill. *See adv index at end of book*
Hensel E. R., Steel & Copper Co., Security bldg, St. Louis, Mo.
Hicks S. D. & Son, 9 Bowker, Boston, Mass.
Hines & Ritchey, Louisville, Ky.
Hoffman-Ahlers Co., 828 E Pearl, Cincinnati, Ohio
Hubert Jno., 1714 Thames, Baltimore, Md.
Ingram W. H., 106 N 3d, Phila., Pa.
Jeffers Wm., 77 Joy, Boston, Mass.
Kavanagh Jos. Co., Pratt & Central av, Baltimore, Md.
Kearney, P. H. & Sons, 1102 Clinton, Hoboken, N. J.

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*Our name and guarantee mean perfect protection and satisfaction to every user*
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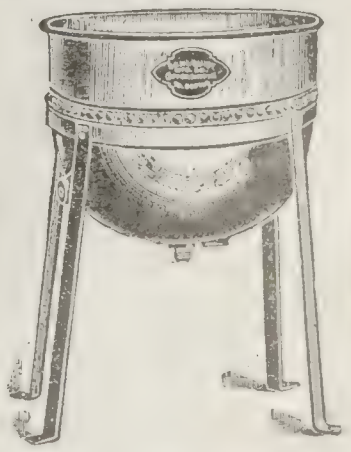

# COPPERSMITHS

## FURMAN-FISHER CORPORATION

32 CHURCH STREET
NEW YORK, N. Y.

*We Also Fabricate Monel Metal*


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**Kopperman Jos. & Sons, 307 Florist,** Phila., Pa.
Krenz Oscar Copper & Brass Wks., Inc., 612 Bryant, San Francisco, Cal.
Langsenkamp F. H., Indianapolis, Ind.
Liberty Coppersmithing Co. (For Sugar, Chemical & Shipping Industries), 1708 N Howard, Phila., Pa.
**McMillan Metal Co., Savannah, Ga.**
**Manchester J. B. Co., 190 Eddy,** Providence, R. I.
**Maryland Coppersmith Co., 3831 Eastern** av, Baltimore, Md.
**Mills Thos. & Bro., Thompson & 8th,** Phila., Pa.
Moriarty G. J., 28 Harvard, Boston, Mass.
Murphy & O'Brien, 5512 Detroit, Cleveland, O.
**Northwestern Copper & Brass Works, 59** W 3rd, St. Paul, Minn.
Oat Jos. & Sons, **230 Quarry,** Phila., Pa.
**Oregon Sheet Metal Works, Portland, Ore.**
Ott Geo. F. Co., 213 Buttonwood, Phila., Pa.
Pacific Copper Wks., 85 Minna, San Francisco, Cal.
Petterson Edward, **231 South, New York**
Phila. Coppersmithing Co., **222 N Front,** Phila., Pa.
Providence Coppersmithing Co., 511 Eddy, Providence, R. I.
Roos Aug. Sons, 429 E 91st, **New York**
Schaefer Emil, 1322 N 5th, Phila., Pa.
Scheubner Herman J., **424 E 110th, New** York
Seattle Construction & Dry Dock Co., Seattle, Wash.
Seibel-Suessdorf Copper & Iron Mfg. Co., 3rd & Lombard, St. Louis, Mo.
Shaw Benj. F. Co., Wilmington, Del.
Smith C. W. Copper Wks., 16 Washington, San Francisco, Cal.
**Stender Coppersmith Co., 2932 Smallman,** Pittsburgh, Pa.
**Stokes F. J. Machine Co., 17th & Cambria,** Phila., Pa.
Strater Herman & Sons, **74 Sudbury,** Boston, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Trageser Jno. Steam Copper Works, **447** W 26th, New York
Walker James & Son, **76 Jefferson av,** Detroit, Mich.
Watkins Jas. Y. & Son, **20 Catherine, N. Y.**

### 3192a— Copra

Elbert & Company (Imp), 71 Wall, New York
Hartmann Pacific Co., Inc., (Imp.), 80 Wall, New York

### Copying Apparatus

See Duplicators; also Presses, Copying

### 3193—Copying Press Sheets (Rubber)

Goodrich B. F. Co., **Akron, O.**

### 3194— Cord (Rubber)

Boston Belting Corp., 84 Linden Park st, **Boston, Mass.**
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Davol Rubber Co., 69 Point, **Providence,** R. I.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Manhattan Rubber Mfg. Co., **Passaic, N. J.**
Mattson Rubber Co., Lodi, N. J.
Revere Rubber Co., Chelsea, Mass.
U. S. Rubber Co., 1790 B'way, New York.
Voorhees Rubber Mfg. Co., **18 Bostwick** av, Jersey City, N. J.

### Cordage (Hemp)

See Twine, Hemp

### 3194a— Cordage Mfrs.

**FEDERAL ROPE CO.,** Morgan av & Ten Eyck, Brooklyn, N. Y.
See also Cordage & Twine Mfrs.
**NEW BEDFORD CORDAGE CO.,** 120 B'way, New York; Mills: New Bedford, Mass.
**WALL ROPE WORKS, INC.,** 48 South, New York

### 3195— Cordage (Tarred)

**Columbian Rope Co., 3050 Genesee, Au**burn, N. Y.

### 3196—Cordage & Twine Mfrs.

**See also Twine, Binder; also Rope,** Various Kinds
See also Cordage Mfrs.
American Mfg. Co., West & Noble, Brooklyn, **N. Y.**
American Mills Co. ("American," "Fibreflax," "26 Karat," "Winner," "Flaxo Sail," "Amilsco," "Gold Medal," "Sun," "Silverin"), Atlanta, Ga.
**Anniston Cordage Co. (Sash Cords, etc),** Anniston, Ala.
**Ashaway Line & Twine Mfg. Co. (Fish** Lines & Cotton Seine Twines, etc), Ashaway, R. I.
**Atkins & Pearce Mfg. Co. (Cotton), 5th &** Eggleston av, Cincinnati, O.
Bailey John T. Co. (Hemp, Flax & Jute), **19th & Washington, Phila., Pa.**
Barrows Mfg. Co. (Cotton), Lansdale, Pa.
**Beaumont Mfg. Co., Spartanburg, S. C.**
**Beebe Cordage Co., Rockaway, N. J.**
Bibb Mfg. Co. (Cords, Twines & Lines), Macon, Ga.
Boehme & Rauch Co. (Rope, Twine & Cordage), Monroe, Mich.
Broderick & Bascom Rope Co. (Jobbers in Cordage Only), 805 N. Main, St. Louis, Mo.
Brownell Co. (Cotton Seine Twine), Moodus, Conn.
California Cotton Mills Co. (Cotton Rope & Twine), Oakland, Cal.
Cating Rope Works, Maspeth, N. Y.
Cayuga Linen & Cotton Mills, Auburn, N.Y.
Central Mills Co. (Cotton Twine), Southbridge, Mass.
Chelsea Fibre Mills (Flax, Jute, etc), 212 5th av, New York. Factory: Brooklyn, N. Y.
Cleveland Mill & Power Co. (Cotton Twine), Lawndale, N. C.
**Cohankus Mfg. Co. (Cotton Rope, etc),** Paducah, Ky.
Columbian Rope Co. (Oil Well & Tarred Cordage & Jute & American Hemp, Twine, etc), 3050 Genesee, Auburn, N. Y.
De Grauw, Aymar & Co., 34 South, New York
Dolphin Jute Mills (Jute, etc), Paterson, N. J.
Draper W. H. & Sons (Cotton Twine, etc), Troy, N. Y.
Eagle Cordage Mills, Covington, Ky.
Eagle Cotton Mills Co., Madison, Ind.
Elder Jas. (Cotton Cordage), 230 W Coulter, Philadelphia, Pa.
Empire State Bag Co. (Flax & Jute), 760 Wythe av, Brooklyn, N. Y.
Estes Mills (Twine), Fall River, Mass.
Fibre Grand Co. (Cordage Spun from Paper), Grand Rapids, Mich.
Filter Fabrics Co., Salt Lake City, Utah
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Flocker Jno. & Co. (Ltd.), 957 Liberty, Pittsburgh, Pa.
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Fricke J. E. Co., 247 Market, Phila., Pa.
Fulton Bag & Cotton Mills, "Eagle Sail" Cotton Twine, etc.), Atlanta, Ga.
Gloucester Net & Twine Co. (Cotton Twine), Gloucester, Mass.
Grimond J. & A. D. (Ltd.) (H. N. Gildea, Agent), (Jute Rope, Cord & Twine), 320 B'way, New York
Groendyke J. C., 8 S Dearborn, Chicago, Ill.
Hanover Cordage Co., Hanover, Pa.
Highland Cordage Co., Hickory, N. C.
**Hoffman-Corr Mfg. Co., 312 Market,** Phila., Pa.
Holden James (Cotton), Fall River, Mass.
Hooper Sons Mfg. Co. (Cotton), Juniper & Cherry, Phila., Pa.
Hooven & Allison Co. (Manilla, Sisal, Hemp & Junte, Baling, Wrapping, Sail, Commercial, etc), Xenia, O.
Humboldt Cotton Mills (Cotton), Humboldt, Tenn.
Iden William A. Co., 564 Washington blvd, Chicago, Ill.
Indianapolis Cordage Co., 1959 S Meridian, Indianapolis, Ind.
Jackson Thos. & Son Co. (Manila, Sisal & Jute Rope, Cordage & Twine), Reading, Pa.
January & Wood Co., Maysville, Ky.
Kelly R. A. Co. (Sisal, Manila & New Zealand), Xenia, O.
Kentucky River Mills (Hemp Binder & Commercial Twines), Frankfort, Ky.
Knox W. & J. Net & Twine Co. (Twine), Johnson & Barney, Baltimore, Md.
Lambeth Rope Corporation (Cotton), New Bedford, Mass.
Lawrence Duck Co. (Cotton Twine), Lawrence, Mass.
Lees Mfg. Co. (Cotton), Westport, Conn.
Linen Thread Co. (Cotton, Flax, Hemp & Jute Twines), 96 Franklin, New York
MacGowen & Finigan, Pierce bldg, St. Louis, Mo.

Mallison Braided Cord Co. (Cotton), Athens, Ga.
Meagher's Jas. Sons (Jute or Flax Cordage), 1625 San Bruno, San Francisco, Cal.
Montgomery Cordage Co., Montgomery, Ala.
Neptune Twine & Cord Mills, Moodus, Conn.
New Bedford Cordage Co., 120 B'way, New York Mills, New Bedford, Mass.
New York Net & Twine Co., Moodus, Conn.
Oakdale Cotton Mills (Cotton), Jamestown, N. C.
Peoria Cordage Co., Peoria, Ill.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Pioneer Cotton Mills (Cotton), Guthrie, Okla.
Plymouth Cordage Co. (Cordage & Binder Twine), North Plymouth, Mass.
Portland Cordage Co. (Flax Cordage & Binder Twine), Portland, Ore.
Puritan Cordage Mills (Cotton Rope, etc), Louisville, Ky.
Purple A. E. (Cotton Seine Twine), Moodus, Conn.
Quaker City Cordage Co., 202 Walnut pl, Phila., Pa.
Radcliffe & Shaw Co. (Jute Twine & Rope), Glen Rock, Pa.
Rauschenberger John Co. (Flax, Hemp, Jute, Hair, etc), 87 W Water, Milwaukee, Wis.
Rinek Cordage Co. (Cordage Only), Easton, Pa.
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
St. Louis Cordage Mills ("American" & "Trojan"), 1715 S 11th, St. Louis, Mo.
Samson Cordage Works, 88 Broad, Boston, Mass.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Semple Mfg. Co., Inc. (Cotton), Louisville, Ky.
Silver Lake Co. ("Silver Lake," "Eddystone," "Wearwell," Braided Cordage, etc), Newtonville, Mass.
Smith & Dove Mfg. Co. (Flax Twine), Andover, Mass.
Southern Mills Corp. (Cotton Cordage), Oxford, Ala.
Tallassee Falls Mfg. Co. (Cotton), Tallassee, Ala.
Travers Twine & Cordage Co., 81 Warren, New York
Uhler & English, 106 N Delaware, Phila., Pa.
UNION PAPER & TWINE CO., 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Wall Rope Works, Inc. ,48 South, New York
Westport Mfg. Co. (Cotton Wrapping Twine), Fall River, Mass.
Whitlock Cordage Co., 46 South, New York
Winne F. W. & Son, 237 Market, Phila., Pa.
Wortendyke Mfg. Co., ft. 13th, Richmond, Va. *See adv index at end of book*
Yocona Mills (Cotton), Water Valley, Miss.
Young John B. (Cotton), J & Levick, Phila., Pa.

## 3196a— Cordeau Bickford

Atlas Powder Co., 140 N Broad, Phila., Pa. *See adv index at end of book*
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*

## Cords (Arc Lamp)

See Cords, Trolley, Arc Lamp & Bell

## 3197-8—Cords (Cable, Cotton)

American Mfg. Co., Noble & West, Brooklyn, N. Y.
Bailey John T. Co., 19th & Washington, Phila., Pa.
Bibb Mfg. Co., Macon, Ga.
Brownell Co., Moodus, Conn.
Cable Flax Mills, Schaghticoke, N. Y.
Chaffee Mfg. Co., Willimantic, Conn.
Cleveland Mill & Power Co., Lawndale, N. C.
Dexter Yarn Co., Pawtucket, R. I.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Indian Orchard Co., Indian Orchard, Mass.
International Braid Co., 47 Charles, Providence R. I.
Johnston & Co., 35 Worth, New York
Jonesboro Yarns Mills Co., Jonesboro, Tenn.
Lees Mfg. Co., Westport, Conn.
McComeskey Thomas, 3731 Frankford av, Phila., Pa.
Neptune Twine & Cord Mills, Moodus, Conn.
New York Net & Twine Co., Moodus, Conn.
Nims Mfg. Co., Mt. Holly N. C.
Oakdale Cotton Mills, Jamestown, N. C.
Oxford Cotton Mills, Oxford, N. C.
Purple A. E., Moodus, Conn.
Southern Mills Corp., Oxford, Ala.
Turner & Stanton Co., Norwich, Conn.
Unity Cotton Mills, La Grange, Ga.
Yocona Mills, Water Valley, Miss.

## 3199—Cords (Flexible, Lamp, Etc.)

See also Wire, Insulated

American Electrical Works, Phillipsdale, R. I.
AMERICAN STEEL & WIRE CO. (Steel Wire), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Belden Mfg. Co. ("Beldenite"), 2316 S Western av, Chicago, Ill.
Bishop Gutta-Percha Co., 420 E 25th, New York
Boston Insulated Wire & Cable Co., Boston, Mass.
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Goodyear Rubber Insulating Co., 105 E 131st, New York
Indiana Rubber & Insulated Wire Co., P O Box 192, Jonesboro, Ind.
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Lowell Insulated Wire Co., Lowell, Mass.
McEvoy Chas. H. ("Duro"), Lowell, Mass.
Marion Insulated Wire & Rubber Mfrs., Marion, Ind.
Monarch Electric & Wire Co. ("Monarch"), 622 W Adams, Chicago, Ill.
Moore Alfred F., 200 N 3d, Phila., Pa.
National India Rubber Co., Bristol, R. I.
Okonite Co., Passaic, N. J.
Premier Electric Co., 1123 S Wabash av, Chicago, Ill.
ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Runzel-Lenz Electric Mfg. Co., 1751 N Western av, Chicago, Ill.
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
Western Electric Co., 463 West, New York

## Cords (Incandescent Lamp)

See Cords, Flexible, Lamp, etc.

## 3200—Cords (Leather, Bell or Register)

Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
Jewell Belting Co., Hartford, Conn.
Ladew Edw. R. Co., 54 Franklin, New York
National Leather Mfg. Co. (Surface & Oak, Tan, Flat & Round), Niles, Mich.
Page Belting Co., Concord, N. H.
Raniville F. Co., Grand Rapids, Mich.
Rhoads J. E. & Sons, 12 N 3d, Phila., Pa.
Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.
Western Rawhide & Belting Co., 600 So Pierce, Milwaukee, Wis.
Williams I. B. & Sons, Dover, N. H.

## Cords (Picture, Braided)

See Cords, Sash

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

## 3201—Cords (Picture, Wire)

Draper W. H. & Sons, Troy, N. Y.
Hendryx Andrew B. Co. ("Hendryx"), New Haven, Conn.
*See adv index at end of book*

"HENDRYX"
STANDARD PICTURE CORD
*of tinned or brass wire*
is put up only in full length and full count packages of
*25 feet or 25 yards.*
THE ANDREW B. HENDRYX COMPANY
New Haven, Conn.

Parker Wire Goods Co. (Braided & Twisted Wire), Worcester, Mass.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Turner & Stanton Co., Norwich, Conn.
Wickwire Spencer Steel Corp. ("Excelsior Brand" Braided Wire), Worcester, Mass.
*See adv index at end of book*
Wire Goods Co. (Braided), Worcester, Mass.

## 3202— Cords (Sash)

American Mfg. Co. (Hemp), Noble & West, Brooklyn, N. Y.
Anniston Cordage Co. (Braided), Anniston, Ala.
Beebe Cordage Co., Rockaway, N. J.
California Cotton Mills Co. (Braided Cotton), Oakland, Cal.
Cohankus Mfg. Co. ("Braided"), Paducah, Ky.
Draper W. H. & Sons (Twisted Cotton), Troy, N. Y.
Estes Mills ("Alba," "Star"), Fall River, Mass.
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Fricke J. E. Co. ("Jefferson" Solid Braided Cotton), 247 Market, Phila., Pa.
Granite Cordage Co. (Braided), Granite Falls, N. C.
Hodson John M., Boone & Markle, Phila., Pa.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Hooper Sons Mfg. Co. (Braided), Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
Hooven & Allison Co., Xenia, O.
Mallison Braided Cord Co. (Braided), Athens, Ga.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Puritan Cordage Mills ("Regal Braid," Blue Strand), Louisville, Ky.
Samson Cordage Works ("Samson Spot" Braided, etc.), 88 Broad, Boston, Mass.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Silver Lake Co. ("Silver Lake," "Eddystone" Braided, etc), Newtonville, Mass.
Southern Mills Corp. (Braided), Oxford, Ala.
Toohey M. J. & Co., Fall River, Mass.
Travers Twine & Cordage Co., 81 Warren, New York
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
Whittier Mills Co. ("U. S." Cotton Braided), Chattahooche, Ga.

## 3202a— *Cords (Seaming)

Wortendyke Mfg. Co., ft. 13th, Richmond, Va. *See adv index at end of book*

## 3203—Cords (Telephone & Switchboard)

See also Wire, Insulated

American Electrical Works, Phillipsdale, R. I.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.

CORDS (TELEPHONE & SWITCHBOARD)—continued

McEvoy Chas. H. ("Duro"), Lowell, Mass.
Moore Alfred F., 200 N 3d, Phila., Pa.
Premier Electric Co., 1123 S Wabash av, Chicago, Ill.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton, & Roebling, N. J.
*See adv index at end of book*
**STROMBERG-CARLSON TELEPHONE MFG. CO.,** Rochester, N. Y.
*See adv index at end of book*
Western Electric Co., 463 West, New York
Western av, Chicago, Ill
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 3204—Cords (Tinsel & Copper)

Belden Mfg. Co. Conductor), 2316 S Western av, Chicago, Ill.
Binns Patent Band Co. (Tinsel), 1842 Gtn av, Phila., Pa.
Moore Alfred F., 200 N 3d, Phila., Pa.
Premier Electric Co., 1123 S Wabash av, Chicago, Ill.
Western Electric Co., 463 West, New York

## 3205—Cords (Trolley, Arc Lamp & Bell)

Cohankus Mfg. Co., Paducah, Ky.
Fricke J. E. Co. ("Jefferson," Solid Braided), 247 Market, Phila., Pa.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Hy-Sil Mfg. Co. ("A. A. 1" Tinsel), Revere, Mass.
International Register Co., 15 Throop, Chicago, Ill.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Mallison Braided Cord Co., Athens, Ga.
Runzel-Lenz Electric Mfg. Co., 1751 N
**ROEBLING'S JOHN A. SONS CO.** (Arc Lamp & Bell), Main Office, Trenton, N. J. Works: Trenton, & Roebling, N. J. *See adv index at end of book*
Samson Cordage Works, 88 Broad, Boston, Mass.
Silver Lake Co. ("Silver Lake," "Wearwell," Braided), Newtonville, Mass.
Southern Mills Corp. (Braided), Oxford, Ala.
Whittier Mills Co. ("U. S. Spiral Waterproof"), Chattahoochee, Ga.

## 3205a—*Core Flour Substitute

**HILL & GRIFFITH CO.** ("Liberty"), 1248 State av, Cincinnati, O. & Birmingham, Ala.; Chicago, Ill.; Pittsburgh, Pa. *See adv index at end of book*

## 3206— Core Prints (Wood)

Jessup Stephen C. Pattern Wks., Salem, O.

## 3207— Core Room Equipment

Dopp J. W. & Co., (Dealers), 18 W. Columbia, Detroit, Mich.
Holcroft & Co., Book bldg, Detroit, Mich.

## 3208—Core Testing Apparatus

Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

## Core Wash

See Compounds, Core

## 3209— Corers (Cabbage)

See also Corers, Fruit & Vegetable
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.

## 3210—Corers (Fruit & Vegetable)

Browne W. G. Mfg. Co., Kingston, N. Y.
Central Stamping Co. ("Puritan" Apple), 172 Fulton, New York
Forsyth Metal Goods Co., E Aurora, N. Y.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Goodell Co. (Fruit Parers, Slicers, etc), Antrim, N. H.
Hamblin & Russell Mfg. Co. (Fruit), Worcester, Mass.
Houchin Thomas W. Co., 36 E 12th, New York
Hudson Parer Co. (Fruit), Leominster, Mass.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Landers, Frary & Clark ("Rapid"), New Britain, Conn.
Lewis E. J. (Pineapple), Middleport, N. Y.
National Enameling & Stamping Co. ("Gem" Apple), 411 5th av, New York
Parker Wire Goods Co. (Apple), Worcester, Mass.
Rollman Mfg. Co. (Ltd.), ("Rollman" Apple) Mount Joy, Pa.
White Ira F. & Son Co. (Apple Corer & Parer), Bloomfield, N. J.

## 3211—Cores (Armature & Magnet)

Bunnell J. H. & Co., 32 Park pl, New York
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cleveland Armature Works, Inc., 4736 St. Clair av, Cleveland, O.
Hartford Machine Screw Co., Hartford, Conn.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 3212—*Cores (Button, Platen, Tassel, Etc.)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*

## 3213—Cores (Electric Furnace)

Norton Co. ("Norton," Alundum), Worcester, Mass.

## 3213a— Cores (Paper)

Elixman Paper Core Co., Inc. (Steel Capped Compressed), Corinth, N. Y.

## 3214—Cores (Rubber Tire Building)

Adamson Machine Co., Akron, O.
Akron Rubber Mold & Machine Co., Akron, Ohio
Akron Gear & Engng. Co., 54 E South, Akron, O.
Bridgewater Machine Co., Akron, O.
Elyria Machine Co., Elyria, O.
Goodyear Tire & Rubber Co., Akron, O.
Mechanical Mold & Machine Co., Akron, O.
**WELLMAN - SEAVER - MORGAN CO.,** Cleveland, O.
*See adv index at end of book*
Williams Foundry & Machine Co. ("Simplex"), Akron, O.
*See adv index at end of book*

**Akron-Williams** "Simplex" and solid cores have gained their reputation on quality and efficient use in tire production. Write for catalog of tire and rubber vulcanizing machinery.

**THE WILLIAMS FOUNDRY & MACHINE CO.,**
**Akron, Ohio, U. S. A.**

## 3215— Cork Carpets

See also Linoleum Mfrs
American Linoleum Mfg. Co. (In Five Colors), 366 5th av, New York
Armstrong Cork Co., Lancaster, Pa.
Blabon Geo. W. Co., Nicetown, Phila, Pa.
Cook's Linoleum Co. ("Cooks"), Trenton, N. J.
Farr & Bailey Mfg. Co., Camden, N. J.
Nairn Linoleum Co., Kearny, N. J.
Potter Thos. Sons & Co., N 2d & Erie av, Phila., Pa.
Scott & West Co. ("Corkoline"), 9 E 40th, New York

## 3216— Cork Chips

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.

## Cork (Granulated, for Insulation)

See Insulation, Cork

## 3217— Cork (Ground)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.

## 3218— Cork Mfrs.

American Cork Co., 16 Blackstone, Boston, Mass.
Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
Banar Cork Co., 119-121 Water, Pittsburgh, Pa.
Biertuempfel Bros. Cork Co., 37 Av L, Newark N. J.
Brauer Justus & Son, 129 Arch, Phila., Pa.
Cahn Hugo & Co., 257 W 17th, New York
Century Cork Co., 220 W 19th, New York
Chicago Cork Works Co., 630 S Wabash av, Chicago, Ill.
Cork Mfg. Co., 186 Van Brunt, Brooklyn, N. Y.
Diamond Cork Co., 59 Pearl, New York
Farrell Francisco Llado & Co., Haw Tree Creek Road, Woodhaven, N. Y.
Farrell W. J., 325 Washington, New York
Illinois Glass Co. ("Diamond I"), 402 Randolph, Alton, Ill.
Independent Cork Co., 574-576 Hamilton av, B'klyn, N. Y.
International Cork Co., 99 Sutton, Brooklyn, N. Y.
McCready R. W. Cork Co., 344 W Illinois, Chicago, Ill.
Milton Cork Co., 42 Wilson, B'klyn, N. Y.
Mir Codina & Marques, 592 Montgomery, Jersey City, N. J.
Mundet L. & Sons, Ferris, Brooklyn, N. Y.
New Process Cork Co., 1505 Garden, Hoboken, N. J.
Newark Cork Products Co., 26 Franklin av, Newark, N. J.
Paddock Cork Co., 1209 De Kalb av, Brooklyn, N. Y.
Paddock J. H. Co., 219 36th, Brooklyn, N. Y.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill. *See adv index at end of book*
Spanish-American Cork & Specialty Co. ("Saco"), Westport, Baltimore, Md.
Truslow & Fulle, 42 Wilson, Brooklyn, N. Y.
Wildman-Treherne Co., Importers (Druggists), 85 Franklin, New York
Williamsburg Cork Works, 50 Church, New York

## 3219—Cork Preparing Outfits

U. S. Bottlers' Machinery Co. ("Simplex"), 2511 Park, Chicago, Ill.

## 3220— Cork (Scouring)

Paddock Cork Co. ("Eureka" Cork Felt), 1209 De Kalb av, Brooklyn, N. Y.

## 3221— Cork Screws

Arcade Mfg. Co., Freeport, Ill.
Browne W. G. Mfg. Co., Kingston, N. Y.
Browne & Dowd Mfg. Co., Meriden, Conn.
Dawson J. R. Mfg. Co., Fairhill Sta., Phila., Pa.
Deuse J. S., Chester, Conn.
Erie Specialty Co. ("Quick & Easy," "Walkers," Self-Pulling), 520 W 12th, Erie, Pa.
Graef & Schmidt (Imported), 107 Chambers, N. Y.
Havell Mfg. Co., 284 Washington, Newark, N. J.
Landers Frary & Clark (Cast Steel), New Britain, Conn.
Meriden Cutlery Co. ("Anvil"), Meriden, Conn.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.
Parker Chas. Co., Meriden, Conn.
Rockwell, Clough Co., Alton, N. H.
Ross Jos. & Co., Irvington, N. J.
Taylor Mfg. Co., Hartford, Conn.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Wallace R. & Sons Mfg. Co., Wallingford, Iamson" Self-Acting Combination, also Small Wire Cork-Screws), Badger av, Newark, N. J.

## 3222— Corks (Crown)

Bond Bottle Sealing Co. ("Bond Crown"), **501 Monroe, Wilmington, Del.**
Crown Cork & Seal Co., 1511 Guilford av, **Baltimore, Md.**
**Diamond Cork Co., 59 Pearl, New York**
**Farrell W. J., 325 Washington, New York**
**Frankel Max Co., 290 Pearl, New York**
**Gutmann Ferdinand Co., 134 W 29th, New York**
Mundet L. & Sons, Ferris, Brooklyn, N. Y.
**New Process Cork Co., 1505 Garden, Hoboken, N. J.**
**Rochester Pneumatic Crown Seal Co., Rochester, N. Y.**
Spanish-American Cork & Specialty Co., Westport, Baltimore, Md.
Sterling Cork & Seal Co., Hawthorne, Toledo, O.
U. S. Bottle Stopper Co., Haw Tree Creek Road, Woodhaven, N. Y.
**Western Stopper Co., 2800 20th, San Francisco, Cal.**

## 3222a— Corks (Jug)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*

## Corks (Rubber)

**See Stopples, Rubber**

## 3223— Corks (Seine & Gill)

**Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.**

## 3224— Corks (Wood)

Bogert & Hopper, Inc. (Fishing, Jug & Seine), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons (Fishing Jug, Seine, etc.), 364 5th av, New York**
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 3225— Corkwood Importers

**Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.**
**Bucknall, Scholtz & Co. (Corkwaste), 193 Water, New York**
Farrell Francisco Llado & Co., Haw Tree Creek Road, Woodhaven, N. Y.
**Independent Cork Co., 574-576 Hamilton av, cor 17th, Brooklyn, N. Y.**
Paddock J. H. Co., 219 36th, Brooklyn, **N. Y.**
**Truslow & Fulle, 42 Wilson, Brooklyn, N. Y.**

## 3226—Corn Binders & Harvesters

**International Harvester Company of America (Inc.) ("Deering," "McCormack," "Milwaukee"),** Harvester bldg, Chicago, Ill.

## 3227— Corn (Broom)

**American Broom Supply Co., St. Louis, Mo.**
American Broom & Brush Co., Amsterdam, **N. Y.**
**American Warehouse Co., Wichita, Kan.**
**Arkell & Smiths, Canajoharie, N. Y.**
Boggs Broom Corn Co., 1206 N Main, St. **Louis, Mo.**
Bolin-Hall Grain Co., Hutchinson, Kan.
**Chambers M. W., Dayton, O.**
**Danner J., Humboldt, Ill.**
Ginns H. L. Broom Corn Co., Wichita, Kans.
**Griffin Geo. B. & C. M., Charleston, Ill.**
Gurley A. L. & Co., Clovis, N. Mex.
Harryman Bro., Wichita, Kan.
**Hockett J. A. & Co., Wichita, Kan.**
Josephie Geo. Co., 227 Water, New York
Kavanagh Bros. & Co., 1234 W Kinzie, Chicago, Ill.
**Lande S. & Co., 160 W Kinzie, Chicago, Ill.**
Lyons Thos. & Co., Arcola, Ill.
New England Broom & Supply Co., 191 Forest Hills, Boston, Mass.
Oklahoma Broom Corn Warehouses, Lincoln, Neb.
**Perry D. S. & Co., Urbana, O.**
Phillips & Johnson, Mattoon, Ill.
Roseboom J. A. & Co., Mattoon, Ill.
Roseboom W. L. & Co., 3544 S Morgan, Chicago, Ill.
**Tarbox Broom Corn Co., Arcola, Ill.**

## 3228— Corn Cookers & Fillers

**Morral Bros., Morral, O.**
Sprague Canning Machinery Co., 222 N **Wabash av, Chicago, Ill.**

## 3229— Corn Cribs (Steel)

**AMERICAN STEEL & WIRE CO. ("American," Galvanized Woven Wire), 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
**Bayley Wm. Co. ("Bayley," "Springfield" Steel), Springfield, O.**
**Bushnell Tank Works (Steel Portable), Bushnell, Ill.**
**Butler Mfg. Co. ("B. M. C.," "Butler Combination"), Kansas City, Mo.**
**Clippinger A. B. & Son Mfg. Co. ("Clippinger"), Kansas City, Kan.**
Denning Tractor Co. (Portable), Cedar **Rapids, Ia.**
**Dickelman Mfg. Co., Forest, O.**
**Fleming & Sons Mfg. Co., Huntsville, Mo.**
Harry O. K. Steel Co. ("O. K. Harry"), 2333 Papin, St. Louis, Mo.
Iron Crib & Bin Co. ("Marshall," "Freeland" Galvanized Steel), Wooster, O.
Keystone Steel & Wire Co. (Portable), Peoria, Ill.
Krstchmer Mfg. Co. ("U. S." Galvanized Iron & Steel), Council Bluffs, Ia.
**MARTIN STEEL PRODUCTS CO.** ("Corn Saver"), Mansfield, Ohio
Meadows Mfg. Co., Pontiac, Ill.
**Pioneer Mfg. Co. ("Marshall" Galv'd Steel), Middlebury, Ind.**
Twin City Separator Co. (Wire Hood), **29th & Colfax av S, Minneapolis, Minn.**
Walker Mfg. Co. ("Economy"), Council Bluffs. Ia.

## 3230— Corn Knives

Celluloid Co., 36 Washington pl, New York
The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.

## Corn Machines

**See Machinery**

## Corn Planters & Drills

**See Planters, Corn; Also Drills, Cotton Planting**

## 3231—Corner, Base & Head Block Mfrs.

**American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.**
**Carr & Baal Co., Des Moines, Ia.**
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
**Carter Mfg. Co., Keokuk, Ia.**
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
**Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.**
Farley & Loetscher Mfg. Co., Dubuque, Ia.
**Gauger Jno. A. & Co. (For the Trade Only), 1434 W 22d, Chicago, Ill.**
**Gordon, Vantine Co., Davenport, Ia.**
**Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.**
Grand Rapids Lumber Co. (For the Trade Only), **Grand Rapids, Mich.**
Hutting Mill Wks. Co. (Wholesale Mfrs.), Kansas City, Mo.
**McMillen R. Co. (For the Trade Only), Oshkosh, Wis.**
**Morgan Sash & Door Co., 2287 Blue Island av, Chicago, Ill.**
Paine Lumber Co. (Ltd.) (For the Trade Only), Oshkosh, Wis.
Peirce W. E. & Co., Milford, N. H.
**Radford Sash & Door Co. (For the Trade Only), 1827 Prairie av, Chicago, Ill.**
Roberts Sash & Door Co. (For the Trade Only), **920 W 20th, Chicago, Ill.**
**Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.**
**Waddell Mfg. Co. Grand Rapids, Mich.**
**Zimmerman Chas. E., 204 Burnet av, Syracuse, N. Y.**

## Corner Beads (Plastering)

**See Plasterers' Steel Corner Beads**

## 3232—Corner Brace & Couplings

**Diehl Novelty Co. ("Big—4" for Storm Houses, Porch Screens, Stiffening Box** Corners, etc.), Glen Beulah, Wis.
Griffin Mfg. Co., Erie, Pa.

## 3233— Corners (Box)

Brainerd Mfg. Co. (Also Chest), East **Rochester, N. Y.**
Brass Goods Mfg. Co. (Also Chest), 345 Eldert, Brooklyn, N. Y.
**CARY MFG. CO., Nassau & Jay, Brooklyn,** N. Y. *See adv index at end of book*
**Dent Hardware Co., Fullerton, Pa.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Griffin Mfg. Co., Erie, Pa.
Hercules Metal Corner Co., Kingston, N. Y.
Horan Stay Hanger Co. (Crate Only), 1932 W Jefferson, Louisville, Ky.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Ludwig A. & Co., 75 Spring, New York
Richmond Pressed Metal Wks. (Trunk), Stockton & 6th, Richmond, Va.
**STANLEY WORKS,** New Britain Conn.
*See adv index at end of book*

## 3234— Corners (Casket)

**Waddell Mfg. Co., Grand Rapids, Mich.**

## 3235—Corners (Metal Building)

**EDWARDS MFG. Co.,** Cincinnati, O.
*See adv index at end of book*
Kees F. D. Mfg. Co. ("Kees"), Beatrice, Neb.
Milwaukee Corrugating Co. ("Milcor"), Milwaukee, Wis.
Reeves Mfg. Co., Dover, O.
Shrauger & Johnson ("Chief"), Atlantic, Ia.

## 3236— Corners (Partition)

**Western Brass Mfg. Works (Iron or** Brass), Marshall blvd & W 21st, Chi**cago, Ill.**

## 3237—Corners (Screen Frame)

**ACKLIN STAMPING CO. (Stamped Metal), 1659 Dorr, Toledo, O.**
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**QUADRIGA MFG. & SPECIALTY CO. (Galvanized Brass & Copper), 213 W. Grand av, Chicago, Ill.**
*See adv index at end of book*
Western Improvement Co. (& Moulding), Minot, N. D.

## 3238— Corners (Table)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Weber-Knapp Co. (For Card Tables, etc), Jamestown. N. Y.**

## Corners (Trunk)

**See Corners, Box**

## 3239— Cornice Brakes

Double Truss Cornice Brake Co., Buffalo, **N. Y.**
Dreis & Krump Mfg. Co. ("Chicago"), 2901 **S Halsted, Chicago, Ill.**
*See adv index at end of book*


**CHICAGO STEEL BRAKES**

**Standard of the world. Over 16,000 in use. Most complete line on market. Over 100 standard sizes.**

DREIS & KRUMP MFG. CO.
2901 S. Halsted St., Chicago, Ill.


Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
Falstrom & Tornquist Co., Passaic, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Loy & Naurath Co., 25 Runyon, Newark, N. J.

CORNICE BRAKES—continued

McSherry Mfg. Co. (Hand Power), Pittsburgh, Pa.
**MERCHANT & EVANS CO.**, Washington av & 21st, Phila., Pa.
*See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y *See adv index at end of book*
Ohl Geo. A. & Co. (Automatic Power, etc), 159 Oraton, Newark, N. J.
Robinson J. M. Mfg. Co. (Improved Double Eccentric), 3282 Spring Grove av, Cincinnati, O.
Ryerson Jos. T. & Son (Hand & Geared Power), 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

## Cornice Copper Mfrs.

See Copper & Brass Sheet

## 3240— Cornices & Skylights

### ALABAMA.

ANNISTON—Interstate Roofing & Foundry Co.
BIRMINGHAM—Wheelock George F. Co.
DECATUR—Brown W. A. & Co.
MOBILE—Mobile Roofing & Cornice Co.
NEW DECATUR—Decatur Cornice & Roofing Co. ("Titelock").
OPELIKA—Galbraith W. A.
TALLADEGA—Michael Supply & Roofing Co.

### ARIZONA.

PHOENIX—Burtis D. H.
TUCSON—Julian W. A. Co.

### ARKANSAS.

FORT SMITH—Bruce Bros.
HELENA—Helena Job Works
HOT SPRINGS—Hot Springs Plumbing & Machine Co.
LITTLE ROCK—Fones Bros. Hardware Co.
McCardell R. W.
PINE BLUFF—Fox Bros. Hardware Co.

### CALIFORNIA.

COLTON—Johnson M. M.
FRESNO—Barrett-Hicks Co.
Kutner-Goldstein Co.
GLENDALE—Reif H. A.
LOS ANGELES—American Cornice Works, 966 E 4th
Beseman E. J., 731 San Fernando
Brown E. & Co., 114 E 9th
California Cornice Works
Edwards N. M.
Gibbs Wm. H., 2948 W Pico
Keays, A. A., 317 E 7th
National Cornice Wks, 1327 Channing
Pulfer L. E., 1222 W 25th
United Cornice Works, 3306 S Main
PASADENA—Dunn W. H.
Munger & Munger
POMONA—Caldwell B. F.
RIVERSIDE—Copley Bros.
Shiels Bros.
SACRAMENTO—Ahl & McLaughlin
Blanchard A. H.
Earle Edw. E.
Latourette-Fical Co.
Scott, Lyman & Stack Co.
Sinclair & Bessey
SALINAS—Anderson & Dougherty
SAN DIEGO—Blair Thos. Sheet Metal Co.
Heilbron Fred A.
San Diego Sheet Metal Works
SAN FRANCISCO—Appmann Cornice Wks 128 Valencia
Conlin & Roberts, 414 Natoma
De Lano Bros., 70 Spear
Finn John Metal Works, 384 2nd
Forderer Cornice Works, 269 Potrero av
Guilfoy Cornice Works, 209 8th
Heidt W. Cornice Works, 152 1st
Ideal Cornice Co., 1040 Howard
Jackson P. H. Co. (Floor Lights), 237 1st
Korell J. A., 777 Ellis
Olmo Frank, 3460 Mission
Pacific Metal Works, 153 1st
San Francisco Cornice Co., 555 10th
Shields & Hackett, 549 Howard
SAN JOSE—Mangrum & Otter Co.
SANTA ANA—Hill S. & Son
McFadden John Co.
Nickey F. P. Hardware Co.
SANTA BARBARA—Boeseke-Dawe Co.
Ott Hardware Co.
SANTA CRUZ—Byrne Bros.
SANTA MARIA—Bryant & Trott Co.
SANTA ROSA—Demmer Chas.

### COLORADO.

ADAMOSA—Spriesterbach & Cramer
COLORADO SPRINGS—Bumstead F. E.
Lowell-Meservey Hardware Co.
DENVER—Crosta C. A.
Kessler, Fred
O'Brien, D. L.
DURANGO—Chapman Hardware Co.
FLORENCE—Wilson George
TRINIDAD—Branson & Griswold Hardware Co.

### CONNECTICUT.

BRIDGEPORT—Bridgeport Cornice Wks.
Drouve G. Co. ("Anti-Pluvius," Puttyless Skylights Only), 40 Tulip
Eames C. S. & Co.
Kirk W. P. Co.
Mills L. H. Co.
Park City Cornice Wks., Inc., 56 McKinley av
Reilly J., Jr.
Schietinger & Ladwig
Schwing Jno. Corporation
HARTFORD—Bostwick C. G.
Cullen & Atkinson Co.
Lurie Aaron
Stelling Fred. W. Corp.
MERIDEN—Griswold, Richmond & Glock Co.
NEW HAVEN—Auto Aero Sheet Metal Works
Beegan John B., 952 State
Bradley Co.
Buckingham Routh Co.
Clerkin Andrew J.
Curtiss & Pierpont Co.
Day & Lee Co., 107 Water
Dorman H. W., 243 Congress av
Elm City Cornice Works
Horn, Lowden Co.
Meagher Thos. F., 30 Center
Menzies & Menzies, 196 Orange
New Haven Cornice & Metal Works
Perry H. M., 218 George
Rourke Bros. Co., 834 Grand av
Sheahan & Groark, 285 State
PUTNAM—Chandler & Morse
Ferris Bros.
SOUTH MANCHESTER—Carrier E. T.
Ferris Bros.
TORRINGTON—Moriarty E. A.
WATERBURY—Amer. Sheet Metal Works
Barlow Bros. Co.
Gill John M.
McCarthy D. F.
Temple Thos. P.
Waterbury Sheet Metal Works
Weyand Henry Co.
WATERTOWN—Suffa Jos.
WOODBURY—Hitchcock F. F.

### DELAWARE.

WILMINGTON—Cook, H. R.

### DISTRICT OF COLUMBIA.

WASHINGTON—Daly & Hopper, 1802 11th, N W
Gichner Ernest, 1107 E N W
Giclas H. J., 1134½ S W
Giclas Louis, 6th & L., N W
Mathy Co., 1918 Pa. av, N W
Thompson J. D. Co., 2609 Penna. av. N W
Wolfsteiner Co., 1315 W, N. W.

### FLORIDA.

JACKSONVILLE—Florida Metal Products Co.
Johnson Chas. H.
MIAMI—Bonnert Sheet Metal & Roofing Co.
PENSACOLA—Avery A. M.
TAMPA—Berry W. J. & Co.
Eagle Roofing & Art Metal Works

### GEORGIA.

ABBEVILLE—Moody E. A.
AMERICUS—Schroeder E. J.
ATLANTA—Dowman-Dozier Mfg. Co.
Franklin Plbg. & Tinning Co.
Warlick Sheet Metal Mfg. Co.
AUGUSTA—Slusky David & Sons
BRUNSWICK—Daniels Moses
CARROLLTON—Campbell W. S.
CARTERSVILLE—Lumpkin Hardware Co.
COLUMBUS—Gartman W. D.
Russell J. C.
ROME—Neal James
Rome Supply Co.
SAVANNAH—Cox C. A.
Hahne Frank
Pacetti's E. C. Sons
Sanders J. K.

### IDAHO.

BOISE—Idaho Hardware & Plumbing Co. (Ltd.)

### ILLINOIS.

AURORA—Aurora Cornice Works
Hart Charles H.
Messenger & Parks Mfg. Co.
BATAVIA—Barckley A. J.
BELLEVILLE—Lebknecher L.
BERWYN—Becker F.
BLOOMINGTON—Butler Harry
Muhl F. C. & Son
Read Geo. H. & Bros.
BLUE ISLAND—Schreiber Bros.
BRADLEY—Watson Jas. H. Co.
CHAMPAIGN—Mollett Chas.
CHICAGO—Abbot Cornice Works, 6022 Wentworth av
Abbot Sheet Metal Works, 816 S Wabash av
Abt L., 2651 W 12th
Acme Metal Ceiling Co., 733 S Halsted
Advance Roofing & Sheet Metal Wks, 4830 Cottage Grove av
American Luxfer Prism Co. (Skylights Only), 1305 S 55th
Biegler Louis Co., 167 N Curtis
Bloomer E. & Co., 530 E 39th
Bremer Henry F., 2227 Ogden av
Burkhardt G. Mfg. Co., 2123 N Clark
Buttenbender Jonas, 4154 Lincoln av
Cauble H. W., 666 W 63d
Chicago Cornice Co., 210 S Western av
Chicago Fire Window & Cornice Co., 1035 W Van Buren
Conen Stephen, 4305 Lincoln av
Dauchy Iron Works (Iron Frame), 223 W Illinois
Eagle Cornice Works, 2726 Sheffield av
Farwell Cornice Co. (Skylights Only), 3935 Southport av
Glatt Jacob, 3640 Dickens av
Glowacki John B. Co., 1440 W 47th
Griffith Cornice Works, 2441 Indiana av
Gross Geo. M., 1445 S State
Hamer Fred, 938 W North av
Hempel Max, 3016 E 91st
Henning Bros., 3924 Indiana av
Herr Wm., 1625 W 15th
Hirsch K., 2016 W Division
Jensen C. E., 3331 W North av
Johnson O., 1002 W Randolph
Kitzelman & Dilley Co., 5918 Lowe av
Knisely H. C. Co., 1908 S Western av
Knisley Bros., 2799 S 5th av
Kubick Chas. F., 9270 S Chicago av
Lamberty & Co., 4917 S Ashland av
Lengacher Wm., 2046 Larrabee
McFarland-Hyde Co., 2701 S 5th av
Masterton Albert E., 9108 Baltimore av
Meiser Ferdinand, 1439 N Halsted
Miller Jas. A. & Bro., 427 N Ashland
National Metallic Sash Co., 355 Union Park
Noble E. M. & Co., 108 S Desplaines
Noyes E. A., 1606 W Lake
Perkinson & Brown (Skylight), 412 N Lincoln
Prairie Frank, 3424 S State
Rickert M. H., 2635 W Madison
Rosch Math., 2937 N Ashland av
Rosehill Cornice Works, 5909 N Clark
Rysdon E. A. & Co., 527 W 41st
Rysdon Louis S. & Co., 3319 Wallace
Schmidt H. & Co., 451 S Clark
Schmidt Saml. (Galv. & Copper), 162 N Desplaines
Schultz D. D., 2047 W 22d
Slavik Frank, 3025 W Vanburen
Slavik & Co., 1500 Blue Island av
Smith J. & Co., 2755 W 22d
South Side Cornice Works, 4324 Cottage Grove av
Spalten Bros., 1240 S Crawford av
Spitzer Cornice Works, 1061 Addison

Staar Frank, 1473 N Halsted
Sykes Co., 930 W 19th pl
Teuffer Chas., 4816 W Erie
Tumpach Jos. Cornice Co., 2431 S Kedzie av
Universal Cornice & Roofing Co., 2241 S Troy
Vallas Wm. H., 2855 W Lake
Wagner Bros., 1010 Diversey P'kway
Warner Chas. W., 522 W Harrison
Yeldham Herman J. Co., 1126 Van Buren
Zakrzewsky Herman, 6812 N Clark
DANVILLE—Dettman Wm. C.
King Bros.
DECATUR—Barringer Wm. C.
Central Cornice & Roofing Works
Decatur Cornice & Roofing Co.
DE KALB—Knodle B. C.
DIXON—Hofmann John
EAST ST. LOUIS—Haines O. J. & Son
Hogan Sheet Metal Works
EDINBURG—Ballet Jacob
EDWARDSVILLE—Bernreuther Fred
EFFINGHAM—Feldhake J. J.
GALESBURG—Galesburg Sheet Metal Works
Metal Barrel Co.
Willis Mfg. Co.
HIGHLAND PARK—Purdy D. C. & Sons
JACKSONVILLE—Brennan Joseph F.
JOLIET—Barrett Harware Co.
Bush & Handwerk
Meers R.
KANKAKEE—Reuter Henry & Sons
LA GRANGE—Mattingly John G
LA SALLE—Boyle Thomas
Camenisch John
LEBANON—Sager C. H. Hardware Co.
LINCOLN—Dehner & Wershey
MATTOON—Weber O. B.
MENDOTA—Edwards Geo. B.
MOLINE—Reid Co.
Willis & Sons Co.
MONTICELLO—Harris H. P.
MORRIS—Cronin Daniel G.
MURPHYSBORO—Stoelzle John & Bro.
OAK PARK—Zenner & Son
OLNEY—Jolly, Weiland & Richardson Co.
ONARGA—Amerman M. T.
OTTAWA—Paisley Wm. C. Roofing Co.
Pearson's Saml. S. Sons
Walter John & Sons (Slate & Metal)
PEORIA—Aylward R. C.
Bushell A. A. & Son
Hierspiel Bros.
Hunter & Strehlow Co.
Johnson Chas. Hdw. Co.
Kavanaugh Patrick H.
Meyer F. & Bro. Co.
Peoria Roofing Co.
QUINCY—Berghofer Mitchell Co.
Comstock-Castle Stove Co.
Scheipering Gustav
Schell & Kroner
Winking Geo.
Wurst C. H. Co.
ROCKFORD—Drake-Tucker Hdw. Co.
Harder A. P.
McGuire B. W.
ROCK ISLAND—Allen Nyers & Co.
Bertelsen John
SPRINGFIELD—Armstrong Bros.
Edmonds F. E.
Foster Sheet Metal Co.
Illinois Art Metal Co.
Matheis Hardware Co.
Neuman J. C.
Robinson, Henson Co.
STERLING—Taylor F. R. & Co.
Trager Frank A.
STREATOR—Alband John
Howe A. J.
SYCAMORE—Ohlmacher C. J. & Co.

## INDIANA.

COLUMBUS—Brooks Bros.
CONNERSVILLE—Cain H. & Co.
ELKHART—Borneman & Sons
Garvin & Co.
EVANSVILLE—Groeninger J. J. Co.
International Steel & Iron Co.
Lohse H. Co.
Mesker Geo. L. & Co.
Schminke H. Co.
FORT WAYNE—Gerding & Aumann
Gunkel Otto F.
Miller C. & Son
Seavey Hardware Co.
Welch J. H. & Sons
GOSHEN—Manrow Sheet Metal Wks.
HAMMOND—Hammond Cornice Works
HUNTINGTON—Bridge, Lewis & Sons
INDIANAPOLIS—Ensey Orvis B.
Frick Julius C., 3040 Baltimore av
Gardner Joseph
Hornbrooke-Price Co., 1970 Madison av
Indianapolis Roofing Co., 155 Kentucky av
Off Christian & Co.
KOKOMO—Cain Milo
Kokomo Hardware Co.
LAFAYETTE—Co-Operative Tin Shop
Schimplefenig Chas.
Shipley Hardware Co.
LAPORTE—Decker Louis
LAWRENCEBURG—Stuber F. & Son
LOGANSPORT—Flanegin Hardware Co.
MADISON—Eckerts John Sons
Hoffman Peter
Quinn P. J.
MARION—Beshore Chas. & Co.
Hollinger M. G. & Co.
Swanger & McClain
MICHIGAN CITY—Bartholomew & Co.
Staiger Hdw. Co.
MISHAWAKA—Distler John C.
Lang O. E. & Co.
Swanger J. Q. Jr.
MONROEVILLE—Nill Thos. A.
MONTEZUMA—Sharp Al
MOUNT VERNON—Schenk E. B. Hdwe. Co.
MUNCIE—Doyle Thos. F.
Wartel W. H.
Wells Arthur T.
NORTH MANCHESTER—Lockwood John B.
OLDENBURG—Schmidt Geo.
RICHMOND—Johanning Chas.
Ruch John
Schultz & Laning
RUSHVILLE—Beale Bros.
SHELBYVILLE—Brown Walter E.
Howard Alonzo
Pearson J. C.
SOUTH BEND—Lauber J. C. & Co.
Meyer G. E. & Son
TERRE HAUTE—Braden Mfg. Co.
Deady P. F.
Dudley A. W. Co.
Smith's C. C. & Sons Co.
Terre Haute Furnace & Sheet Metal Co.
VALPARAISO—Findling H. M.
VINCENNES—Dubois F.
Lauby C. W.
Vincennes Galvanized Iron Works
WASHINGTON—Gross F. H.

## IOWA.

AUDUBON—Reinemund Hardware Co.
BURLINGTON—Forney J. H.
Haffner Chas.
Hillen Frank
CEDAR RAPIDS—Cedar Rapids Cornice Co.
Grissel J. P. Cornice Co.
CHARITON—Ensley G. W.
CLINTON—Armstrong C. E. & Sons
COUNCIL BLUFFS—Amy W. S.
Spencer F. A.
DAVENPORT—Hipwell Chas. G.
Reimers Peter A.
DES MOINES—Backman Sheet Metal Works
Des Moines Sheet Metal Co.
Kurtz L. H. Co.
St. John & Barquist
Schlater R. H.
Steel Roofing & Stamping Works
DUBUQUE—Geisler Bros.
Klauer Mfg. Co.
ELDORA—Stauffer, Van Avery Co.
INDEPENDENCE—Plane I. C.
IOWA CITY—Maresh Wm.
LYONS—Parker Bros.
MUSCATINE—McQuesten Hardware Co.
Thompson Bros. Co.
NEW HAMPTON—Garmen & Forkenbrock
OSKALOOSA—Hamilton & Hamilton
Wells & Stump
OTTUMWA—Harper & McIntire Co.
Haw Hardware Co.
McCarroll Bros.
SIOUX CITY—Central Cornice Works
Friend Bros.
Inter-State Cornice Works
Larson C. A.
Sioux City Sheet Metal Works
STATE CENTER—McMahon & Son
McMahon J. L. & Son
WATERLOO—Lichty B. F. & Son
Waterloo Mfg. Co.

## KANSAS.

ATCHISON—Klostermeier Bros. Hardware Co.
Weinmann C. F.
CONCORDIA—Blair J. F.
EMPORIA—Knapp O. H. P.
FORT SCOTT—Congdon D. C.
IOLA—Root W. H.
JUNCTION CITY—Muenzenmayer J. J. & W. F.
LEAVENWORTH—Hoffman S. C.
NEWTON—Bachman C. A.
OTTAWA—Elder Mercantile Co.
PARSONS—Steele Hardware Co.
PITTSBURGH—Beasley & Miller
SALINA—Kastner Chas.
TOPEKA—Forbes D. H.
Nussbeck John G.
Van Dorp L.
WICHITA—Buckley Fred
Martin Metal Mfg. Co.

## KENTUCKY.

ASHLAND—Phelps Frank K.
CARROLLTON—Salyers C. D. & Son
COVINGTON—Brown R. L.
Glaser Wm. A.
Gottschalk F. S. Furnace & Roofing Co.
Moeschl-Edwards Corrugating Co.
Rasch C. F. Sons
DAYTON—Poos John
LEXINGTON—Bitterman E.
LOUISVILLE—Belknap Hardware & Mfg. Co.
Everett J. Guy Co., 1119 W Market
Falls City Cornice & Roofing Co.
Fink Philip & Sons, 213 S 1st
Geher Fischer & Co., 227 S 2d
Harpring L. H. & Bro., 1236 S Shelby
Heartick E. G., 915 E B'way
Louisville Cornice & Roofing Co.
Schreick J. & Co., 906 S Preston
Shaber W. F. Co., 730 S 12th
Wagner's J. F. Sons Co.
MAYSVILLE—Leonard & Lally
McClanahan & Shea
Rasp R. & W.
NEWPORT—Rust Lawrence & Sons
Wagenlander Jos.
OWENSBORO—Guenther Hardware Co.
Southern Foundry Co.
PADUCAH—Davis G. R.
Maret & Kauger

## LOUISIANA.

NAPOLEONVILLE—Blanchard Bros.
NEW IBERIA—Ribbeck F. J.
NEW ORLEANS—Algiers Cornice & Plumbing Works, 157 Delaronde
American Sheet Metal Works, 3427 S Carrollton
Eichorn Mrs. Ludwig
Gulf Galvanized & Metal Works, 2845 Magazine
Holzer R. G. (Est. of)
Louisiana Cornice Works
New Orleans Cornice Works Co., Cortez & Orleans
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans
Orleans Steel Products Co., Inc., 1021 Bienville
Redmond B. V. & Son, 309 Decatur
SHREVEPORT—Bain H. H. Sheet Metal Works
Wortman J. R.

## MAINE.

AUGUSTA—Malcolm & Dyer Co., 159 Water
Taber & Reid 269 Water
BATH—Barton Geo. H. W.
Rogers C. W.
Winslow J. A. & Son
BELFAST Stickney John B.
BIDDEFORD—Anthoine Geo. A.
BRUNSWICK—Ridley Geo. B. & Sons
EASTPORT—Martin E. S & Son Co.
Spates Wm. T.
LEWISTON—Stetson Jos. H. Co.
MACHIAS—Crane Bros.
NEWPORT—Deering R. A. & Son
NORWAY—Leavitt W. C. Co.
OLD ORCHARD—Robinson Wm. B. & Co.
PORTLAND Alexander A. R.
Hollivan & Parker
McBrady Jno. E. & Son
Nash F. & C. B. Co.
Nash O. M. & D. W.
Scott Wm. H. Co.
Wheeler F. E.

MAINE—continued
ROCKLAND—Sleeper Bros.
SKOWHEGAN—Wood F. A.
WALDBORO—Curtis C. H.
Richards Bros.

## MARYLAND.

BALTIMORE—Cotton Wm. E. & Co., 1600 Hartford av
Fingles W. A., 29 S Howard
Fitzberger Thos. F., 202 Clay
Heil John C., 1204 N Gay
Hetzel John G. & Son, Paca & Mulberry
Kirwan Wm. T. A. & Son, Bamey & Westphal av
Lenderking P. H. Jr., Linwood av & Dillon
Monumental Cornice Works, 822 Hartford av
Moss Morris L., 38 S Eden
Northwestern Cornice Works, 1500 Penn av
Philipp-Kell Co., Inc., Holliday & Center
Purnell Art Co., 309 N Charles
Vaile & Young, Ridgely & Bush
Vollenweider J., 1506 Penna av
Ward Wilbur F., 20 W Pratt
Wilhelm J. Frank, 1050 Myrtle av
Zeller Wm. F. & Co., 1119 Denver
EASTON—Hartnett W. J.
Shannahan & Wrightson Hardware Co.
HAGERSTOWN—Danzer Metal Works
HAVRE DE GRACE—Murphy J. T.
ROCKVILLE—Viett & Co.
SALISBURY—Dorman & Smyth Hdwe Co.
Gunby L. W. Co.

## MASSACHUSETTS.

ASHLAND—Angier Mills ("Rubberglass")
Enslin Franklin & Co.
ATTLEBORO—Flynn Wm. F. & Son
BOSTON—Ames & Ginty, Hereford
Badger E. B. & Sons Co. (Also Copper), 75A Pitts
*See adv index at end of book*
Boston Roofing Co., 6 Beacon
Buchanan Geo. J. Co., 87 Commercial Wharf
Cambridge Cornice & Sheet Metal Wks., 16 E Dedham
Feeney John, 1 N Grove
Finkelstein M., 37 Spring
Harrigan J. & Son, 111 Liverpool E
Hicks S. D. & Son, 9 Bowker
Hind Thos. J., 49 Milk
Hub Cornice & Roofing Co., 184 Endicott
Hub Cornice & Skylight Co., 43 Bristol
Jeffers Wm., 77 Joy
Kalman Joseph & Son, 361 Chelsea E B
Labovich B., 1250 Tremont
Maguire W. J., 46 Cornhill
Mayberger Edw. F., 1 Hubert
Mendum Jos. W., 278 Bennington, E B
Murtfeldt W. A. Co., 161 Devonshire
New England Cornice Co., 248 Bremen
Pemple Fr., 17 Bismarck
Pemple Geo. C., 27 Eustis
Van Noorden E. & Co., 100 Magazine
West End Cornice Co., 13 Lindall pl
Williams & Poore, 22 Medford
BROCKTON—Carr J. E. & Sons
CAMBRIDGE—Brock Bros.
Columbia Cornice Co.
Eagle Cornice & Skylight Works
Flynn T. J. Metal Wks.
Smith A. & Co.
CHICOPEE FALLS—Enright P. J Co.
CLINTON—Maitland Robert & Son
O'Toole Bros.
FAIRHAVEN—Delano C. F.
Forrest E. W.
FALL RIVER—Fall River Sheet Metal & Cornice Works
Hughes James T.
Wilcox D. T.
FITCHBURG — Fitchburg Heating & Plumbing Co.
Hart Patrick J.
Jennison Co.
HOLYOKE—Friedrich E. H. Co.
Richter Otto F.
Ruppert R. A. Co.
Shea & Co.
Sullivan & Carmody
LAWRENCE—Forbes Wm. & Sons
Horne Geo. W. Co.
Smart Geo. B. & Co.
Wilson Andrew Co., 616 Essex
*See adv index at end of book*
LEOMINSTER—Burrage H. E. & Co.
LOWELL—Carroll Bros.
Cushing D. & Co.
Gordon James L.
Lowell Furnace Co.
Mack W. A. & Co.
Stewart J. W. Co.
Wilder H. H. & Co.
LYNN—Bee's John D. Sons
MALDEN—West Alonzo A.
MANCHESTER—Beaton D. T.
Carter J. W. Co.
MARLBORO—Hall G. R. & Co.
Hill W. H.
MELROSE—Brock Bros.
METHUEN—Sanborn Furnace Co.
NEW BEDFORD—Wood, Brightman & Co.
ROCKPORT—Smith L. E.
Thurston & Hale
SOUTHBRIDGE—Winter G. C.
SOUTH HADLEY FALLS—Moriarty Bros.
SPRINGFIELD—Atwater E. C. & Co.
Brunton M. J. Jr.
Estabrook Geo. R.
Hampden Cornice Works
Pratt A. J.
Radding Co.
Treuchet F. E., 33 Sanford
STOUGHTON—Burrell H. G.
Deacon D.
TAUNTON—Munroe Plumbing Co.
Whitmarsh I. F. Co.
Wordell E. & Son
WALPOLE—Spear H. A. Jr.
WALTHAM—Carr F. C.
Codyer & Cavanaugh
WEBSTER—Rosebrooks & Cummings
WORCESTER—Barnard Geo. A.
McNally D. E. & Co., 24 Houghton
New England Steel Roofing Co.

## MICHIGAN.

ALLEGAN—Phillips Bros.
BATTLE CREEK—Battle Creek Furnace & Roofing Co.
McCallum Wm.
BAY CITY—Walther A. & Sons
CALUMET—Carlton Hardware Co.
CASSOPOLIS—Hayden W. B. & Sons Co.
CHARLEVOIX—Charlevoix Hardware Co.
CHEBOYGAN—Post J. J. Hardware Co. (Ltd.)
COLDWATER—Allen D. C. & Co.
Kerr Bros. Co.
DETROIT—Acme Roofing Co., 210 Moran
American Roofing Co., 634 Gratiot av
Basman A. M. & Co., 468 W Fort
Berschbach & Herz, 634 Gratiot av
Bertling Paul C. & Son Galvanizing & Sheet Metal Works, Hancock & 18th
Borgman A. J., 765 Forest av E
Burton W. J. Co., Junction & Federal
Candler Geo. V. Co., 1092 Jefferson av, E
Candler J. D. Roofing Co., 179 High, E
Candler Robt. Co., 963 Beaubien
Clark James F., 15 Grant ct
Cowan Edw., 175 Larned, W.
Cross Bros., 2330 Woodward
Detroit Cornice & Slate Co., 147 Antoine
Eagle Cornice & Roofing Co., 959 W Fort
Gilbert G. W. & Son
Hines H. C. & Co., 354 Humboldt av
Home Roofing Co., 263 Winder
Howie Roofing Co.
Hutton Robt. Co., 116 Fort, E
Lewis Henry B., Ferry av & G. T. Ry.
Looman W. J., 856 E. Gd. blvd.
Mahon R. C. Co., St. Aubin & E Grd. blvd.
Marshall W. E., 628 Sheridan av
Michigan Cornice & Slate Wks., 117 Fort E
Milleville Bros., 679 Kercheval av
Motz W. E., 1197 Michigan
Orth Adam J. Co., 170 Hastings
Patlajohn L. Roofing Co., 657 Antoinil
Pudrith A. F. Co., 301 Fort, E
Sexauer Chas. Roofing Co., 148 Sherman
Steyer Wm. F., 293 Pierce
Union Sheet Metal Works, 317 Farnsworth
Venderbush & Looman Co.
Verhaeghe A., 564 Mt. Elliott
Wrench C. E.
Young Bros. Co., 666 Mack
ESCANABA—Delta Hdw. Co.
Escanaba Hdw. Co.
EVART—Smith J. K.
FREMONT—Hain G. E. Co.
GRAND RAPIDS—Grand Rapids Sheet Metal & Roofing Co.
Hopson W. C. Co.
Sokup F. J.
Sproul & McGurrin Co.
Weatherly Co.
HOLLAND—Van Landegend G. A.
Van Landegend Tyler
HOUGHTON—Portage Lake Hdw. Co. (Ltd.)
HOWELL — Schroeder-Rutka Hardware Co.
ISHPEMING—Eggan Fred J
Jochim J. W. Hardware Co. (Ltd.)
JACKSON—Creque & Thurston
Daly & Rutherford
McGraw & Crone
McLean Frank & Co.
Oleslager John B.
KALAMAZOO—A. & D. Sheet Metal Works
Kalamazoo Sheet Metal Mfg. Co.
LANSING—Fleming Jas.
LAPEER—Gray Sidney T.
LUDINGTON—Bradl Frank
Goodsell B. J. Hdw. Co.
MANISTEE—Manistee Iron Works Co.
MARQUETTE—Clark D. M.
Manhard M. R. & Son
MENOMINEE—Bertholdt H. C.
Fernstrum Frank G.
Northern Hardware & Supply Co.
MIDLAND—Reardon & Beckwith Merc. Co.
MUSKEGON—Towner Hardware Co.
NEGAUNEE—Lucas H. N.
NORTHVILLE—Huff James A.
PLYMOUTH—Connor Hardware Co. Ltd.
PORT HURON—Dart James A. & Son
QUINCY—Cole S. B.
SAGINAW—Jacobi Alex.
Leyerer J. S. & Co.
Taub H. L.
Valley Cornice & Slate Co., (Ltd.) (Also Copper)
SAULT SAINTE MARIE—Soo Hdw. Co.
SHELBY—Rankin A. J.
TECUMSEH—Satterthwaite Bros.
VASSAR—Dean H. C.

## MINNESOTA.

DULUTH—Burrell & Co.
Deetz Sheet Metal & Roofing Co.
Duluth Corrugating & Roofing Co.
Hollihan & Milostan
FERGUS FALLS—Bauer Jos.
MINNEAPOLIS—Berger Mfg. Co.
Durgin & Son
Gerber J. J., 128 6th av S
Henning Julius, 315 Plymouth, N.
Minneapolis Roofing & Cornice Co., 310½ Oak S E
Nees Louis, 240 12th av
Northwestern Roofing, Cornice & Stamping Works, 1111 S 5th
Seelye A. T., 700 E Hennepin av
Selden Roofing & Manufacturing Co., 76 Western av
Stremel Bros. Roofing & Cornice Co., 1314 N 3rd
Swenson A., 1021 James av, N
Townsend A. W., 20 S 2nd av
Wishart R. S. Co.
NORTHFIELD—Northfield Furnace Co.
OWATONNA—Parrott & Smith
ST. CLOUD—Ladner C. F. Hardware Co.
Powell Hardware Co.
ST. PAUL—Griffin & Boehme, 350 W University av
Minnesota Roofing & Cornice Works, 135 E 12th
St. Paul Roofing, Cornice & Ornament Co.
Staples Bros., 218 S Wabasha
ST. PETER—Feldman Chas. H.
VIRGINIA—Virginia Roofing & Cornice Co
WINONA—Magnus Henry

## MISSISSIPPI.

VICKSBURG—Bruser W. H.
YAZOO CITY—Cummings M. F.
Jenne Geo.

## MISSOURI.

BOONVILLE—Vanatta Mrs. F. M.
BUTLER—Bennett-Wheeler Mer. Co.

CAPE GIRARDEAU—Brunkhorst A. F.
Vogel W. H.
DE SOTO—Slawson A. F.
HERMANN—Eberlin Christ & Son
INDEPENDENCE—Hill Martin & Hill
JOPLIN—Joplin Cornice Works
Wenzel F. M. Sheet Metal Co.
KANSAS CITY—Haftenkamp G., 34th & Prospect av
Kansas City Furnace Co., 2429 Independence av
Kansas City Galvanizing & Mfg. Co., Park & Edgar avs
K. C. Sheet Metal & Furnace Co., 3803 Woodward
Kornbrodt Kornice Kompany, 1811 Troost av
McClelland R. H., 4220 E 56th
Stoplet P. S. Sheet Metal Works, 12 E Missouri av
Vanstone Walter, 2910 E 18th
Weis Henry Cornice Co., 4124 E 12th
Wiedenman W. C., 1820 Harrison
Zahner Mfg. Co.
LEXINGTON—Marrs Wm. S.
Schawe G. C.
Yingling C. E.
Weis F. W.
MOBERLY—Stauffer P.
NEOSHO—Briggs Hardware Co.
NEVADA—Norman W. F. Sheet Metal Mfg. Co.
ST. JOSEPH—Seaman & Schuske Metal Works Co.
Wehrman Wm.
Whelan Alex. T.
ST. LOUIS—Albert & Fischer Hardware & Sheet Metal Co., 2524 S 7th.
Auer F. E., 2528 Dodier
Axtheim August W., 1604 Tower Grove av
Bannantine Galvanized Iron Mfg. Co., 117 Soulard
Blohm Chas. H., 1120 Emmet
Caplan Galvanized Iron Cornice Co., 4414 Easton av
Clemens Jno. Galvanized Iron Works, 1922 S 7th
Eberle Cornice Co., 4014 Laclede av
Euclid Furnace & Cornice Works, 796 N Euclid av
Fleck Chas. W., 2016 Cherokee
Gerock Bros. Mfg. Co., 1252 S Vandeventer av
Gruendler A. H., 1018 Cass av
Hammond Sheet Metal Mfg. Co., 2nd & Cass av
Higgins J. F. & Co., 5751 Easton av
Hopmann Cornice Co., 2573 Benton
Huber & Richardson, 3744 St. Louis av
Kohlmeyer Geo. E., 8222 N B'way
Mesker Bros. Iron Co., 421 S 6th
Mound Rose Cornice Co., 726 N Euclid av
Murphy E. & Co., 3724 Cass av
Palubiak & Son, 4107 Chippewa
Powers & Boyd Cornice & Roofing Co., 3614 Laclede av
Rowland Sheet Iron & Cornice Works, 3713 Cass av
Ruth Jno. F., 4249 Easton av
Souther E. E. Iron Co., Klenlin & Hamburger
Stark Henry & Co., 2105 Gravois
Tiernan Luke, 1019 Chestnut
Von der Au & Cluss Mfg. Co., 2408 S Jefferson
Wellston Galv. Iron & Cornice Works, 6222 Easton av
West End Cornice Works, 3524 Lindell
Wilsdorf M. A., 213 St. George
West End Cornice Works, 925 Clarendon
Zitko Chas., 3524 Lindal
Zuber Mfg. Co., 3117 S B'way
SPRINGFIELD — Anslinger Sheet Metal Works Co.
Becker & Cramer
Kirby & Naber
Raymond Heating Co.
Wellhener Wm. Heating & Sheet Metal Co.

## MONTANA.

BOZEMAN—McCay H. B.
BUTTE—Dorhoffer F. J. Co.
GREAT FALLS—Great Falls Iron Works
Murphy-McClay Hardware Co.
HELENA—Adams Heating Plumbing Co.
McKinnon H. A.
Mitchell John

## NEBRASKA.

BEATRICE—Spieler Jos.
HASTINGS—Still Joseph H.
HOOPER—Heine J. F. & Son
KEARNEY—Kearney Hardware Co.
LINCOLN—Lincoln Cornice & Metal Wks
NORTH PLATTE—Fillion Jos.
OMAHA—Biorson Sheet Metal Works
Carter Sheet Metal Co.
Epeneter G. F. Cornice Works
PLATTSMOUTH—Kroehler Bros.

## NEVADA.

RENO—Nevada Sheet Metal Works

## NEW HAMPSHIRE.

CONCORD—Bailey W. T. & Co.
MANCHESTER—Bisson & Jodoin, 124 Franklin
Lawson H. J.
O'Brien M.
Pike & Heald Co.
PORTSMOUTH—Paul W. E.
Sweetser J. G.

## NEW JERSEY.

ATLANTIC CITY—Currie Co.
BAYONNE—Bayonne Cornice & Skylight Co.
Devaney Jno. J. & Co.
Gilbertson J.
BERNARDSVILLE—Griffith C. H.
BOONTON—Kopps Jno. I. Sons
BOUND BROOK—Williams Thos. F.
CAMDEN—Metallic Mfg. Co.
ELIZABETH—Elizabeth Cornice Works
Faulks Jas. H. Co.
ENGLEWOOD—Beck Wm.
Dubois Chas. L.
Hickey & Baker
HARRISON—Godby W. H. & Bro.
HIGHTSTOWN—Taylor Jas. A.
HOBOKEN—Dorsett T. W. Co.
Leonard Sheet Metal Works
IRVINGTON—Central Cornice & Skylight Works
JERSEY CITY—Anderson Bros. Co., 394 Grove
Donavan D. F., 505 Newark av
NATIONAL SHEET METAL ROOFING CO. (Galvanized & Copper Sheet Metal Frame), 339 Grand
*See adv index at end of book*
Pfistner Frederick, 108 Lincoln
Rader Henry, 27 Thorne
Ringle Jacob & Son, 472 Grand (see also Copper, etc.)
Schreck & Waelty, 27 Hague
LONG BRANCH—Warwick W. R.
NEWARK—Allwood J. R. & Son, 39 Marshall
Baier & Conrad, 336 Hunterdon
Berla Elias, 232 Mulberry
Ding & Teuschler, 11 Holland
Engelberger F. & W. V. Co., 159 Jeliff av
Essex Cornice Works, 61 Polk
Hammond Theo. C., 13 Ferry
Newark Cornice & Skylight Works, 9 17th av
Pfennig J., 24 Hamberg pl
Schaefer Wm. F., 692 S 11th
Schwing & Co., 190 Ferry
Simpson Albert J., 223 Clinton av
Smith Frank F. Hdwre. Co.
Steinberg Jacob, 229 Belmont av
PASSAIC—Falstrom & Torquist Co.
PATERSON—Lendrim H. C. Co.
McNeill Lawrence W.
Quinn Bros.
Rogers Andrew J. Co.
PRINCETON—Margerum H. W.
Stryker A. Y.
RARITAN—Wyckoff J. C. & Son
SALEM—Righter J. C.
SCOTCH PLAINS—Jahn's Robt. Sons
TRENTON—Carlls C. W. Sons, Warren & Front
WEST HOBOKEN—Gutschmidt W. H.
Malecot P. B. & Co.
Sutter Louis
WEST NEW YORK—Gronborg C. C.
WOODBURY—Muller Harry

## NEW YORK.

ALBANY—Ackroyd Jas. & Sons
Fitz Gerald Jno. L.
Gorman Jas. J.
Hoffman J. H. B.
Walsh Jas. D. Sons
AMSTERDAM—Dwyer Cornelius
AUBURN—Hungerford J. A.
BINGHAMTON—Freeman E. G. & Co.
McIntyre & Walter
Lynch's Jno. R. Sons
Young J. J.
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Bauer's Chas. Sons, 159 William
Christman Phillip & Sons Co., 858 Virginia
Degenhart & Co., 1846 Niagara
Elsinghorst John H., 574 Michigan
Fisher Martin & Sons, 438 Pearl
Gruber Rupert & Co., 541 Sherman
Machwirth Bros. Co. (Also Copper, etc), 201-9 Oak
Peters G. H. Co., 293 Oak
Rademacher Bros., 343 Fox
Roty A., 206 High
CATSKILL—Day & Holt Co.
CATTARAUGUS—Eberlee T. J.
CUBA—Sisson & Smalley
DOBBS FERRY—Siess A. C.
ELMIRA—Barker, Rose & Clinton Co.
Young Chas. W.
FORT PLAIN—Linney W. T.
Stewart & Bergen Co.
FULTON—Johnston Geo.
GLENS FALLS—Adams G. E.
HUDSON—Macy Frank R.
JAMAICA—(See New York City, Borough of Queens)
KINGSTON—Wieber & Walter
LESTERSHIRE—Becker C. D.
LONG ISLAND CITY—(See New York City, Borough of Queens)
LYONS—Hartman Wm. T.
Marshall Barrick Co.
MOHAWK—Richardson Co.
MORAVIA—Small F. & Son
MOUNT VERNON—Norden J.
NEWBURGH—Atlas Roofing Co.
NEW ROCHELLE—Heintz W. H.
Helmrich Geo.

## NEW YORK CITY.

### Borough of Brooklyn

BROOKLYN—Ahern A. W., 8812 24th av
Blecher Bros. Co., 49 Nostrand av
Bloch Jos. Co., 90 Bushwick av
Bloom Percy & Co., 205 Washington
Buchanan Wm., 488 Sumner av
Buell C. S. Co., 198 Fourth av
Burger & Gohlke, 232 Seventh
Cohen Henry, 1340 Fulton
Craig & Brown, 421 20th
Davis Jno, 170 Court
Friedburg & Son, 278 Division av
Friedman S. M. Co., 95 Cedar
Fuchs Louis, 76 Vermont
Gartenberg M. Co., 426 6th av
Gorlitz S., 65 Reid av
Haines A., 100 Fulton
Halpin Jas., 1718 Fulton
Herrmann & Grace Co., 671 Bergen
Hoellerer Jos., 91 Union av
Kuhnla August, 10 Lorimer
Muller E. A. & Bro., 687 4th av
Ostergren Samuel, 725 3d av
Seton Frank J., 78 Washington av
Waldhauer, Stevens Co., 1721 Nostrand av

### Boroughs of Manhattan and Bronx.

NEW YORK—Abbott's M. Sons, 137 8th av
Albach Theo., 335 E 133rd
Amalgamated Cornice Roofing Co., 161 Broome
American Three Way Luxfer Prism Co., 139 Spring
Anderson Albin Co., 291 E 137th
Architectural Cornice & Skylight Works, 4077 Park av
Architectural Metal Works, 157 E 85th
Bauman Jos. & Son, 61 E 4th
Berglung Chas. & Son, 236 E 47th
Bickelhaupt Geo., Skylight works, 722 11th av
Bickhardt Andrew, 3540 Bronx blvd
Biller & Spawn, 81 1st
Blayer Chr., 161 W 145th
Blechner Bros., 43 1st
Blechner's Albert Sons, 677 Bergen av
Borkel Jno. & Co., 42 E. Houston
Breivogel Geo., 46 Rose
Bronx Metal Works, 1833 Washington av
Central Cornice Works, 336 W 37th
Central Sheet Metal Works ("Maxbar"), 260 E 78th

NEW YORK—New York—continued
Christiansen Chas., 276 Water
City Cornice & Skylight Co., 267 W 35th
Deutsch Jacob, 232 Chrystie
Dietze Oscar, 208 E 74th
Dugan Geo. A. Co., 200 5th av
Dunn, L. J., 1976 Lexington av
Eastern Cornice & Roofing Co., 9 Rutgers
Erker Adam M., 432 W 37th
Essenwanger Chas. & Son, 280 E 148th
Fager John A., 213 E 144th
Feiner P., 335 W 44th
Fessler David, 347 E 105th
Fordham Cornice Works, 1004 Tremont av
Forster J., 413 E 53d
Freyberg Richard H., 2308 2d av
Fulton Cornice & Skylight Works, 5 Rivington
Greenberg Guarantee Roofing Co., 22 Catharine
Guarantee Roofing Co., 61 E 4th
Guarantee Sheet Metal Works, 439 E 23d
Harrison M. & Son, 214 E 52d
Hayes Geo. Co., 311 E 23d
Hell Gate Sheet Metal Works, 236 E 95th
Hilts Wm. H. Co., 82 W 3d
Hinz Albert, 403 E 16th
International Guarantee Roofing Co., 1677 Lexington av
Izmirian Chas. Cornice & Roofing Co., 4417 3d av
Kalbert Adolph & Son, 170 E 3d
Katz Saml., 439 E 23d
Klein A., 383 E 34th
Lauber Albert, 433 W 42d
Maltby Prism Co., Flatiron bldg
Manhattan Roofing Co., 133 E 118th
May Wm. M. Co., 537 W 54th
Moritz Isaac, 1192 2d av
Morrow John Co., 313 W 20th
Mulberry Roofing Co., 46 Greenwich
Muller R. & O., 358 E 151st
Murphy Geo. M., 43 New Chambers
National Cornice & Skylight Works, 417 E 9th
National Ventilating Co., 337 E 26th
New York Cornice Works, 230 E 22d
Nicholson & Galloway, 646 Hudson
Oppel Rudolph, 230 E 22d
Perfect Cornice & Roofing Co., 457 E 180th
Perske Frank, 439 E 92d
Peters Wm. C., 1859 Carter av
Pfeifer Bros., 473 Greenwich
Pfeiffer E., 1263 Jerome av
Preusser Jno., 302 W 122d
Rosenfeld I., 274 Av B
Samlovitz Max, 260 E 78th
Saron David, 2164 Madison av
Schumacher J. Sheet Metal Works, 3464 3d av
Schwoerer A. Constr. Co. 140 W 42d
Shapiro David, 3474 3d av
Sobel & Kraus, 307 W 117th
Sommerfeld A., 4077 Park av
Standard Utility Co., 225 Lexington av
Star Cornice, Skylight & Roofing Works, 569 3d av
Storch L. A. & Co., 517 E 73d
Superior & Skylight, 643 1st av
Universal Skylight Co., 519 E 73d
Vogt Geo. J., 305 E 60th
Washington Guarantee Roofing Co., 718 Westchester av
Weinstock & Cohn, 170 E 32nd
Westergren M. F., Inc., 213 E 144th
Zimmermann V., 3610 3d av

### Borough of Queens.

LONG ISLAND CITY—American Bar Lock Co., Borden av
Brodie Wm., 307 Jackson av
Jeter A H. & Co., 91 Webster av
Petry John W. Co., 87 5th

### Borough of Richmond.

TOMPKINSVILLE—Girrbach Paul, St. John's pl.

**(End of New York City)**

NEW YORK MILLS—Hastings M. E.
NIAGARA FALLS—Machwirth Bros. Co.
OLEAN—Pierce O. W. Co.
ONEIDA—Lype Bros.
PENN YAN—Hollowell & Wise Co.
POUGHKEEPSIE—Adriance Plumbing & Heating Co.
Aldrich Elbert
RAVENA—Strevell & De Friest Hdw. Co.
RED HOOK—Curtis J. A.
ROCHESTER—Calder Robt. Co., 86 Exchange
Fricker John Co., 10 Ely
Knowles & Peck, 50 Franklin
National Skylight & Ventilator Co.
Schoenemann Fred, 464 St. Paul
Siddons John Co.
RONDOUT—(See Kingston)
ROUSES POINT—Chilton Geo.
SCHENECTADY—Allen Jno.
Case Levi & Co.
Craig & Vrooman
MacGregor Thos. F.
Vrooman's J. V. Sons Co.
SHELTER ISLAND HEIGHTS—Harris C. S.
SYRACUSE—Bradford & Deruchie, 439 E Water
Cashman & McCarthy, 372 W Fayette
Curran Jas.
Gooley W. F., 1911 W Fayette
Talbott Thos. & Son, 240 W Water
TONAWANDA—Koenig H. B.
TROY—Loeble Herman G.
Manogue Edward Co.
WARWICK—Montross A. W.
Ogden & Co.
WATERTOWN—Arthur H. S. & Sons Co.
McCrady A. C.
WATKINS—Durland L. H. Son & Co.
WELLSVILLE—Hoyt Hdw. Co.
WHITE PLAINS—Fowler & Sellars Co
YONKERS—Fitzgerald David
McVicar Thos.
McVicar Wm. H.
Scholding C. E.

## NORTH CAROLINA.

ASHEVILLE—McPherson Jos. C.
CHARLOTTE—McCausland J. N. & Co.
Ray G. G. & Co.
Shuman C. F.
WINSTON-SALEM—Brickenstein L. B.

## NORTH DAKOTA.

FARGO—Fargo Cornice & Ornament Co.
GRAND FORKS—Barnes & Nuss Co.

## OHIO.

AKRON—Akers & Harpham Co.
Akron Roofing Co.
Kasch Roofing Co.
ALLIANCE—Casselman C. W.
CADIZ—Bryan H. E.
CAMBRIDGE—Hartley W. H. Sons & Co.
CANTON—Canton Art Metal Co.
Canton Cornice & Skylight Co.
Eller Mfg. Co.
Kanneberg Roofing & Ceiling Co.
CINCINNATI—Andler Adam, 3028 Highland av, Mt. A.
Beckman Wm., 15th & Republic
Blum Albert, 4244 Allison, Norwood
Boesch Victor P. & Son, Linwood & Delta av
Brandis William, 3109 Reading rd
Breese Bros. Co., 2347 Reading rd
Brown R. L., 2023 Pearl Cov.
Brunen Wm. B., 651 Pike Cov.
Cincinnati Cornice Works, 637 W Court
Cincinnati Stamping Co., 24 W McMicken av
Dearking E. L., 1663 Iliff av
Dirr George L. & Son, 3631 Warsaw av P H
Eble Chas., 1907 Vine
EDWARDS MFG. CO., 545-565 Eggleston av *See adv index at end of book*
Emmers Cornice Co., 1007 B'way
Fahnle & Dietrich, 537 Oliver
Fisher Philip, 1066 Central av
Greiwe E. & Bro., 1128 B'way
Hauck Michael, 1351 Walnut
Herrmann Bros., 6th & Clay, Day
Hirt Bros., 2013 Elm
Kobmann Chas., 1919 Central av
Koch Edw. A. & Co., 427 W Front
Kopelent Henry, 2723 Vine
Kruse Wm. & Co., 523 Wade
Lee Thomas, 129 W 2d
Meyer Edw. & Co., 1541 Elm
Moeschi-Edwards Corrugating Co., 120 W 9th
Neabrey Leonard, 637 W Court
Porter Iron Roofing & Corrugating Co., 522 Culvert
Queen City Exhaust & Blow Pipe Co., 423 York
Rothert Harry, 1452 Walnut
Scott Roofing & Mfg. Co., 408 Culvert
Spatz H. P., 3901 Colerain av
Sweeney J. A. & Co., 829 W 5th
Verges Ferd. F., 2543 Vine
Weigel John Co., 664 E McMillan
Weissenberger Geo. K., 4011 Spring Grove av, Cum.
Witt Cornice Co., 2118 Winchell av
Witt & Brown, 215 W 3d
CLEVELAND—Cleveland Metal Roofing & Ceiling Co., 3105 Detroit av
Cuyahoga Roofing Co., Woodland & N P R R
Gould Lee H. & Co., 251 Arcade
Grauer Albert & Co., 318 Long av, N W
Huntington Hy. J., 1010 Superior av
Mannen John E. Co., 2247 St. Clair
Ohio Roofing & Asbestos Co., 1525 Columbus
Ortli Chas. F., 2510 Barber av, S. W.
Riester & Thesmacher Co., 1512 W 25th
Rudolph & Son Co., 416 Prospect av, N W
Stran C. W. Co., 720 Hamilton
COLUMBUS—
Schilling John N., 479 N 20th
Schoedinger F. O., 142 N 3d
Schoedinger-Marr Co., 102 N High
DAYTON—Bretch A., 20 Stone
Buvinger G. W. & E. E.
Couch A. M., 236 S Euclid av
Hoersting & Holtmann, 1133 W 3d
Kenney J. R., 251 S Wayne av
Rieck Sheet Metal Co., Monument & Taylor
Wintersteen C. A., 408 W 3d
Wuichet Chas. & Co., 14 S Canal
ELYRIA—Elyria Hdw. Co.
FINDLAY—Fiscus W. J.
Gates N. S. & Son
Hoffman & Bryan
Klein Fred
FOREST—Dickelman Mfg. Co.
GALION—Sponhauer H. C.
GLENDALE—Dollman J. W.
Schatzman P. & Son
GREENVILLE—Beedle C. F.
HAMILTON—Bauer E.
Becker Jno. L.
Schlosser Jacob & Son
Zschau A. E.
IRONTON—Fillgrove Louis A.
KENT—Reed C. R.
LIMA—Smith Wm. A.
LONDIN—Thomas & Armstrong Co.
LORAIN—Weimer C. A.
MANSFIELD—Flohr G. Co.
Hoffman Chas. Co.
Runyan C. C. & Son
MARION—Salter F. R.
MASSILLON—Kammer & Ertle
Portman Albert F.
MEDINA—Oatman's Furnace Co.
MIAMISBURG—Schell J. A.
MIDDLETOWN—Johnson J. A.
MILLERSBURG—Fitch John & Son
NILES—Cramer Geo.
Unger F. S., Plumbing & Heating Co.
PIQUA—Lee Geo. E.
PORTSMOUTH—Glockner Alexander M.
SANDUSKY—Bitter Joseph
Gundlach Chas.
Hemmerle Frank J.
Mertz & Sons
SHELBY—Armstrong G. W.
SPRINGFIELD—Follrath W. D. & Co.
Hauck Chas. F. & Co.
Hendrickson Roofing Co.
Jones F. O. & Co.
Lafferty Sam'l J. & Sons
Peet & Schuster Co.
TIFFIN—Tiffin Art Metal Co., 20 Broad
TOLEDO—Gerken J. D. & Co.
Hofer G. & Sons Co.
Loeffler Theo. J. M.
Warnke Bros. Co.
WARREN—Browning Wm.
Skinner E. W.
WELLINGTON—Peirce A. H.
WELLSVILLE—White, Perkins & White
WILMINGTON—Jefferis W. W.
XENIA—Henrie C. B.
YOUNGSTOWN—Dalzell Bros. Co.
Squire Jno. R. Co.
ZANESVILLE—Ludy J. W.
Snyder Roofing Co.

## OREGON.

BAKER—Basche-Sage Hardware Co.
GRANTS PASS—Cramer Bros.
McMINNVILLE—Hodson O. O.

PORTLAND—Bayer J. C.
Hirschberger H. Co.
Moore-Meagher Co., 228 Ash.
Tilton Bros.
Wynkoop Bros.
SALEM—Barr T. M.
Fraser A. L.

## PENNSYLVANIA.

ALLENTOWN—Best J. A. & Co.
Hersh & Bro.
Miller J.
Neff Bros.
ALTOONA—England S. B.
Garrahan P. F.
Johnson A. A.
Klesius Geo. A., 609 12th
ARDMORE—Whelan Martin
ASHLAND—Lauer J. J.
McConnell & Bro.
BEAVER FALLS—Asbestos Protected Metal Co.
Davidson W. J.
BELLEFONTE—Twitmire W. T.
BETHLEHEM — Bethlehem Roofing & Metal Works
Lehigh Valley Cornice Works
BRADDOCK—Loew's John A. Sons
Shirer John W.
BUTLER—Campbell J. G. & W.
CARNEGIE—Rome George & Co.
CHESTER—Doran Jno. A.
Goodman K. & Son
Ward Hugh H.
CLEARFIELD—Powell Wm. F.
CONNELLSVILLE—Munson Bros.
CORRY—Barlow Hdw. Co
Guignon E. E.
Guignon H. A.
DUQUESNE—Thomas G. E.
EASTON—Arndt Wm.
Kinsey Howard P.
Miller E. H.
Miller Hy. R.
Stotz Bros.
EAST STROUDSBURG—Lessig J.
ERIE—Braggins John H. & Sons
Krack Gust. & Son
Murphy Bros.
Patterson & Stirling
GIRARDVILLE—Griffith Hardware Co.
GREENSBURG—Overly W. F.
HALLSTEAD—Rogers Jos. B.
HANOVER—Bargelt & Son
HARRISBURG—Fager G. C. & Sons
Zollinger G. J.
HAZLETON—Koehler Fred
HOMESTEAD—Snyder Louis B.
HONESDALE—Erk Bros.
Watts G.
INDIANA—Alter C. A.
JOHNSTOWN—Doyle Frank J.
Fenn Wm. J.
Friedhoff & Mahaffey
Joy Bros.
KINGSTON—Johnson H. F. & Sons
LANCASTER—Arnold Thomas
McAllister & Kline
Pohl John E.
LEBANON—Bressler C. O. & Co.
LOCK HAVEN—Fickincher Fred
McKEESPORT—Kemp Jas. F. & Bro.
Matthews Lewis K.
Trader E. N.
MAHANOY CITY—Morgan William
NANTICOKE—Hill & Evans
PEN ARGYL—Correll R. S.
PHILADELPHIA—Abronski Bros., 1615 Stiles
Arensberg & Clemence, 924 Moyamensing
Basford, Erickson & Co., 24 Armat, Gtn
Benjamin Michael 1718 S 4th
Biefgen Hy. J., 868 N 4th
Bohem A. & G., 15th & Federal
Brinkmann Bros., 2617 Frankford
Brown Jos. E. Co., 1003 Race
Byrd John, 1427 Catherine
Central Cornice Works, 345 N Frazer
Decker John & Son, 2704 Girard av
Donovan Wm. J., 1506 Ogden
Easterbrook Wm. Jr & Bro., 311 Cherry
Ellis Geo. D. & Sons Co., 309 N 3d
Enterprise Cornice Wks, 759 N Markoe
Excelsior Cornice Wks, 1926 S Colorado
Fossett Geo. W. & Son, 10 N Vogdes
Gara, McGinley Co., 23 S 17th
Garraty & Co., 1629 Ransted
Girard Cornice & Roofing Co., 1022 Ridge
Goodwin F. O., 5556 Arch
Graber Francis, 2306 N 4th
Hartley John H., 3402 H
Jakoby, Anton, 3122 Kensington
Laurel Mfg. Co., 627 N 3d
Lorenz Chas., 1018 Callowhill
Lupton's David Sons Co., Allegheny av & Tulip
Lyster Sheet Metal Co. ("Lyster's" Ventilated), 1220 Filbert
McFarland, Meade Co., Woodland av & 46th
McGinley Howard J. & Co., 1719 Ludlow
Metal Cornice & Roofing Co., Front & Dickinson
Miller Isaac J., 1926 S Colorado
Northwestern Cornice Works, 2637 W Hagert
Penn Metal Ceiling & Roofing Co., (Ltd.), 23d & Hamilton
Ray James, 2d & Indiana
Roseberry W. L., 345 N Frazier
Rosenthal Jos., 220 N 5th
Ruger Louis, 1603 N 4th
Salinger Chas., 1110 Ridge av
Schmitt Edw. F., 521 Ludlow
Schnitzler Chas. H., 215 N 2d
Schuch John L., 930 Diamond
Schwingle Bros., 2637 W Hagert
Thorn J. S. Co. (Also Copper), 20 & Allegheny av
Tyson Frank, 759 N Markol
Wackerman Albert, 859 Church la
Warren Edgar Co., 116 N 16th
Wayne Junction Metal Cornice Co., 4545 Wayne Gtn
PITTSBURGH—Acme Cornice, Skylight & Roofing Co., 30 Fernando
Cusick Cornice & Roofing Co., 2602 5th av
Davis Bros., 204 Dilworth
Fortenbacher J. & Son, 538 E Ohio
Gantner Wm. Co., 9 Del Ray
Haas Morris, 1817 Mary
Iron City Roofing Co., 6943 Franks-town av
Irwin Thos. Mfg. Co., 307 Cremo
Johnson Bros., 4 Industry
Keighley S Metal Ceiling & Mfg. Co., 124 3d av
Kirsch Jacob Co., 3234 Penn av
Link J. & Son, 1918 East
Luckhardt Louis, 85 Sweetbriar
McIlroy J. D. & Sons, 508 2d av
Perritt Iron & Roofing Co., Rosedale & P R R
Pittsburgh Sheet Metal Co., S 20th & Wharton
Rasner & Dinger Co., 2d av & Ferry
Schmidt Geo. P. Co., 1020 E Ohio
Schnaufer Roofing Co., 816 Concord
Scholes Bros., 1241 Reedsdale
PITTSTON—Byrne Jno.
PLYMOUTH—Dymond E. P.
POTTSVILLE—Hoefel Fredrick
READING—Hafer J. D.
Hain Wm. T.
Yeager Wm. B.
RIDGWAY—Cody C. L.
SCOTTDALE—Dick J. I. Co.
SCRANTON—Gunster Bros.
SHARON—Hoffman J. C. & Bro.
Hoffman's P. Son
SOUTH BETHLEHEM—McBride Michl. J.
TITUSVILLE—Hughes E. F.
UNION CITY—Hatch Hardware Co.
WASHINGTON—Hays G. W. & Son
Standard Sheet Metal Mfg. Co. (Structural Iron)
WEST CHESTER—Apple Plumbing & Heating Co.
James Bros.
Palmer George J.
WILKES-BARRE—Allen & Fell
Becker Peter & Son
Carpenter B. G. Co.
YORK—Kidds Alex. Son
York Corrugating Co.

## RHODE ISLAND.

CENTRAL FALLS—Plews R. Mfg. Co.
PAWTUCKET—Reetz R. C. Co.
PROVIDENCE—American Cornice Works, 3 Charles
Brunnckow C. G. Co., 223 Globe
Burgess James 254 Prairie av
Clason Architectural Metal Works (Metallic), 428 Kinsley av
Eagle Cornice Co., 312 Blackstone
Hitz Chas.
Lamoureux F. & Co., 39 Friendship
Providence Architectural Metal Works, 237 Dyer
Providence Cornice Co., 311 Canal
Strauss Co., 370 Richmond
Union Cornice Co., 5 Bark
WOONSOCKET—French O. P. & Sons Co.

## SOUTH CAROLINA.

CHARLESTON—Arnot A. M.
Masters R. M.
COLUMBIA—Lorick Bros.
GREENVILLE—Barr L. L.
Cook J. C.
ROCK HILL—Westerlund C. A.
SPARTANBURG—Pickens Roofing & Sheet Metal Co.
UNION—Murrah T. A.

## SOUTH DAKOTA.

RAPID CITY—Sweeney Tom Hardware Co.
YANKTON—Yankton Roofing Co.

## TENNESSEE.

BRISTOL—Leslie Sheet Metal Works
CHATTANOOGA—Chattanooga Blow Pipe & Roofing Co.
Chattanooga Iron Works
Chattanooga Roofing & Foundry Co ("Nooga")
McMahan James
Mountain City Stove & Mfg. Co.
Snow Tom, Heating & Roofing Co.
FAYETTEVILLE—Blakemore R. F.
Robertson & Goodrich
HARRIMAN—Edington Bros.
KNOXVILLE—Burton Hardware & Mfg. Co.
Hicks J. C. Sheet Metal Works
Munday J. A. & Son
MEMPHIS—Burdick A. W. & Co.
Capps B. W.
Dush Louis
Eichberg & Lang
Hendricks & Weatherall
Jones Bros. & Co.
Memphis Cornice & Roofing Co.
Nohsey & Schwab
Richards L. W.
Schaefer Geo.
Verdel E. F. & Co.
Wessendorf Charles Co.
NASHVILLE—Cammerer H. & Son
Howell Geo. W. Co.
Kadel L. J.
Murray E. T. & Co.
Phillips & Buttorff Mfg. Co.

## TEXAS.

AUSTIN—Arlitt Max
CORSICANA—Tatum W. M. Hardware Co.
DALLAS—Huey & Philp Hardware Co.
Payne F. T.
DENISON—Waltz Chris.
EL PASO—Momsen-Dunnegan-Ryan Co.
ENNIS—Blakey-Clark Hardware Co.
GAINESVILLE—Bosley L. W.
GALVESTON—Breen Martin
Hoffmann W. A.
Miller W. H.
Werner Geo. P.
HILLSBORO—Smith & Tomlinson Co.
HOUSTON—Eisemann John Ed.
Eiseman G. Chas.
Fothergill Thos. W.
Holtkamp E. E.
Schlom Meyer J.
Shannon Grant S.
MARSHALL—Logan & Whaley
SAN ANTONIO—Jewett Cornice & Roofing Co.
San Antonio Sheet Metal Works
Vodrie H. B., Sheet Metal Works
Walsh T. P.
SHERMAN—Roberts, Sanford & Taylor Co.

## UTAH.

OGDEN—Crosbie R. L.
Newman & Co.
PROVO—Blumenthal H. G. Co.
SALT LAKE CITY—Bywater & Groo.
Fowler J. P. Mfg. Co.
Mitchell H.
Salt Lake Hardware Co.

## VERMONT.

BENNINGTON—Vail F. E.
BURLINGTON—Hathorne A. C. Co.
LYNDONVILLE—Eaton J. C. & Co.
RANDOLPH—Lamson J. H. & Sons

## VIRGINIA.

DANVILLE—Piedmont Hdw. Co.
HAMPTON—Copeland J. F.
HARRISONBURG—Saum Jno. R.
LYNCHBURG—Doherty Frank J.
Dornin T. B., Adams Co.

CORNICES & SKYLIGHTS—VIRGINIA—continued
NORFOLK—Bohn Roofing & Cornice Co.
Howard John T. Co.
Odend Hal-Monks Corp.
RICHMOND—Burton Reuben
Hackett R. & Co.
Miller Mfg. Co. (Wood Cornices), 7th & Stockton
ROANOKE—Dominion Metal Products Co.
Possin Theo. & Co.
STAUNTON—Tanner Charles & Co.

### WASHINGTON.

BELLINGHAM—Bellingham Sheet Metal Works
BREMERTON—Wetzel E. S.
EVERETT—Kirsh Frank W.
Willson H. J.
NORTH YAKIMA—Sawbridge Jno.
Wade G. W.
Yakima Hardware Co.
OLYMPIA—Olympia Hardware Co.
PORT ANGELES—Jacobs Edgar A.
PORT TOWNSEND—Norby & With
SEATTLE—American Sheet Metal Works
Cascade Sheet Metal Works
City Cornice Works
Clark T. F. & Co.
Curtiss Wm. M. Co., 5016 20th, N W
Eastlake Sheet Metal & Cornice Works
Edgar & Campbell
Finlay & Robb
Fry J. W., 1021 Pike
Garner J. J.
Globe Sheet Metal Co.
Independent Sheet Metal Co.
Manke B. C. Sheet Metal Works
Minckler P K.,
Motor Sheet Metal Works
Northwestern Sheet Metal Works
Occidental Sheet Metal Works
Popple & Knowles Co.
Puget Sound Sheet Metal Works
Seattle Cornice Works
Seattle Metal Ceiling Co.
Seattle Sheet Metal Shop
Shaw H. A., Metal Spinning Co.
Tomlin Sheet Metal Works
University Sheet Metal Works
Van Doren Roofing & Cornice Co.
Washington Sheet Metal Works
Weibel G. Roofing & Cornice Works
West Seattle Heating & Sheet Metal Works
Western Engineering Co.
SPOKANE—Allen Lester
Brandt Bros.
Brown Bros.
Burns, H. J.
Evers Geo. C.
Keeler W. P.
Schrimpf Chas. G.
Snyder Harrry M., Roofing Co
Spokane Furnace Co.
Woodward & Stein
TACOMA—Anderson K. A.
Hirsch I. L.
Holaday & Bailey
Kastner A. & J. B.
Kolb Wm. A.
Miller Edw. Cornice & Roofing Co.
Old Town Sheet Metal Works
Pederson N. P.
Reliable Stamping Co.
Tacoma Sheet Metal Works

### WEST VIRGINIA.

BERKELEY SPRINGS—Ambrose C. P. & Bro
BLUEFIELD—Hefner O. V.
Whitlow M. G. Hardware Co.
CHARLESTON—Loeweustein & Sons
Shawver W. F. Co.
HUNTINGTON—Hagan & Co.
MORGANTOWN—Morgantown Hardware Co.
WHEELING—Caldabaugh Bros.
Wheeling Metal & Mfg. Co.

### WISCONSIN.

APPLETON—Schlafer Hardware Co.
Teach Wm.
ASHLAND—Garnich Emil & Sons Hardware Co.
BARABOO—Lee Radtke Hardware Co.
BELOIT—Murdock-Dunwiddle Co.
EAU CLAIRE—Hobbs W. H. Supply Co.
EVANSVILLE—Baker Manufacturing Co.
FOND DU LAC—Cheney S. H.
GREEN BAY—Danz H. Jr.
Fox River Cornice Works
Green Bay Cornice & Corrugating Co.
HARTFORD—Esser & Schmidt
JANESVILLE—McNamara Henry L.
Sheldon Hardware Co.
KAUKAUNA—Butler-Dietzler Hdw. Co.
Haas & Hohmann
KENOSHA—English Jno. J.
Jansen T. E.
Schulz H. C.
LA CROSSE—Badger Steel Roofing & Corrugating Co.
Dittman Fred. Hardware Co.
Gass Anthony
La Crosse Steel Roofing & Corrugating Co.
Tausche V Hardware Co.
MADISON—Trachte Bros. Co.
Wolff, Kubley & Hirsig
MANITOWOC—Rathsack Wm. & Sons
MARINETTE—Westlund August
MILWAUKEE — Biersach & Niedermeyer Co., 220 5th
Consolidated Sheet Metal Works, 661 Hubbard
Eslien Sheet Metal Works, 1001 30th
Furtman Aug. J., 2453 Walnut
Gallun Wm, Kinnic av
Goethel Alex. G., 815 Winnebago
Green D. D., 215 Sixth
Hoffman & Baur, 279 Lake
Jeske R. & Bro. Co., 119 Reservoir
Klubertanz Bros. Co., 889 23rd
Millen Bros.
Milwaukee Corrugating Co. (Also Copper)
Roesler Herman, 1523 W 24th
Schumann & Roden, 914 3rd
Tonnsen E. B. Co., 113 Harmon
MONROE—Kundert Bros. Co.
NEENAH—Krueger Wm. Co.
Stroebel J. F.
OSHKOSH—Krippene Hardware Co.
Leach Frank Hardware Co.
Terwedo Mfg. Co.
PORTAGE—Schulze Hardware Co.
RACINE—Dixon John & Son
REEDSBURG—Siefert Aug. Hardware Co.
RICHLAND CENTER—Strang Geo. Hardware Co.
SHEBOYGAN—Geele F. Hardware Co.
SUPERIOR—Arnold Elmer H. Co.
Bingham Hardware Co.
Carlson Bros. Co.
Holmes A. E. & Bro. Co.
Roberts G. W.
WATERTOWN—Kusel D. & F. Co.
Pritzlaff W. G. Co.
WASHBURN—Ungrodt B.

### WYOMING.

BUFFALO—Astell Hardware Co.

## 3241— Cornwall Stone

Chrystal Charles B. (Imp English Ground), 13 Cliff, New York
Golding Sons Co., Trenton, N. J.
Harshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, O.

## Corrugated Elbows

See Elbows, Conductor Pipe; also Stove Pipe & Elbow Manufacturers

## Corundum Mfrs.

See Emery & Corundum Manufacturers

## 3242— Costmeters

Costmeter Co. ("Costmeter"), 1000 Washington, Boston, Mass.

## 3243— Cots (Army, Etc.)

Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Gold Medal Camp Furniture Mfg. Co. (Folding), Racine, Wis.
Gosso Co. 14 E Jackson, Chicago, Ill
Himebaugh Bros., Jamestown, N. Y.
Sun Mfg. Co. (Canvas Cover, Wood Frame), Columbus, O.

## 3243a— Cots (Canvas)

Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Stonebridge C. H. Mfg. Co., 23 Warren, New York

## 3244— Cots (Folding)

Foster Bros. Mfg. Co. (Iron Frames), Utica, N. Y.
Haggard & Marcusson Co. ("Tiger" Woven Wire), 1109 W 37th, Chicago, Ill.
Hard Mfg. Co., ("Compact") 117 Tonawanda, Buffalo, N. Y.
Hettrick Mfg. Co., Toledo, O.
Norfolk Mattress Co., Norfolk, Va.
Ohio Spring Bed Co. (Woven Wire), 1281 E 38th, Cleveland, O.
Peoria Auto Kot Co. ("Furstade"), Peoria, Ill.
Premier Spring Bed Co. (Steel), 218 Utah, San Francisco, Cal.
Silver Mfg. Co. ("20-25"), No. 256, Salem, Ohio
Stonebridge C. H. Mfg. Co., 23 Warren, New York
Southern-Rome Co. ("Romelink"), 623 W Pratt, Baltimore, Md.
Sun Mfg. Co., Columbus, O.
Telescope Cot Bed Co. ("Handy" Telescope Cot Bed), 535 E 79th, New York

## 3245— Cots (Husking)

Boss Mfg. Co., Kewanee, Ill.

## 3245a— Cots (Iron)

Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.

## Cotters (Cellar Box)

See Cotters & Keys, Spring

## 3246—Cotters & Keys (Spring)

See also Keys, Flat Spring & Riveted

American Chain Co. ("Campbell" Self-Spreading Hammer Lock Cotters), Bridgeport, Conn.
American Cotter Pin Co., Park bldg, Pittsburgh, Pa. Works: Ellwood City, Pa.
Brooks M. S. & Sons (Brass or Steel Cotters & Flat Spring or Riveted Keys), Chester, Conn.
Campbell Andrew C. (Inc.), (Self-Spreading Hammer Lock Cotters), Waterbury, Conn.
Cobb & Drew, Plymouth, Mass.
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
Herschel R. Mfg. Co., Peoria, Ill.
Hindley Mfg. Co. ("Columbia" Steel, Brass & Copper Cotters & Flat Steel Spring & Flat Riveted Keys), Valley Falls, R. I.
Hubbard M. D. Spring Co., Pontiac, Mich.
Jencks E. Mfg. Co. (Iron & Brass Cotters & Flat Spring Keys), Worcester, Mass.
McWhorter Mfg. Co. ("McWhorter," Pointed), Riverton, N. J.
*See adv index at end of book*
National Screw & Tack Co. (Iron & Brass) Stanton av S. E. & C. & P. Ry., Cleveland, O.
Ohio Wire Goods Mfg. Co. ("Efficiency" Cotter), Akron, Ohio
Parker Wire Goods Co. (Half Round Spring Wire & Brass Cotters), Worcester, Mass.
Pickering R. S. (Brass & Steel Cotters & Steel Flat Spring & Riveted Keys), Sharon Hill, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N Y.
Smith F. P. & Co. ("Saco" Steel, Brass & Copper Cotters & Flat Spring), Sharon
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co. (Iron & Brass), Worcester, Mass.

## 3247— Cotton (Absorbent)

American Gauge & Cotton Co., Inc. ("Lilly," "Riverside" & "Hospital"), 407 N 8th, St. Louis, Mo.
Aseptic Cotton Products Co., Chattanooga, Tenn.
Aseptic Products Co., 237 Borden av, Long Island City, N. Y.
Bauer & Black, 45 W 25th, Chicago, Ill.
Broadbent J. & Son, Unionville, Conn.
Enterprise Garnetting Co., Cohoes, N. Y.
Fearon Brown Co. (Imp.), 96 Wall, New York
Graves Frank B. Co. ("Greystone Mills"), Albany, N. Y.

Hygienic Fibre Co., Versailles, Conn.
Johnson & Johnson, New Brunswick, N. J.
Lewis Mfg. Co., Walpole, Mass.
Mackintosh D. & Sons Co., Holyoke, Mass.
Maplewood Mills ("Excelsior," "Standard," "Hospital," "Sanitary," "Absorbon"), Fall River, Mass.
Seabury & Johnson, 59 Maiden la, New York
Southern Aseptic Laboratories, Columbia, S. C.
Versailles Sanitary Fibre Mills, Versailles, Conn.

## 3248— Cotton Batting

Becker Chas. W., Amsterdam, N. Y.
Bowden Bros., Cedar Grove, N. J.
Broadbent J. & Son, Unionville, Conn.
California Cotton Mills Co. (Also Wool Batting), Oakland, Cal.
Clute Bros., Cohoes, N. Y.
Hamlet Mills, Otter River, Mass.
Janesville Batting Mills, Janesville, Wis.
LaCrosse Woolen Mills, LaCrosse, Wis.
Lee Wm. M., Athol, Mass.
Little Falls Fibre Co., Little Falls, N. Y.
Lockport Cotton Batting Co., Lockport, N. Y.
Lowenthal W. & Co., Cohoes, N. Y.
Maish Chas. A Co., 1125 Bank, Cincinnati, O.
Missouri Cotton Yarn Mfg. Co., 300 Lynch, St. Louis, Mo.
National Textile Mfg. Co., Cohoes, N. Y.
New York Cotton Batting Co., Lockport, N. Y.
Niagara Cotton Batting Co., Lockport, N. Y.
Page Mfg. Co., Cohoes, N. Y.
Riverside Mills, Augusta, Ga.
Rock River Cotton Co. ("Crown Jewel"), Janesville, Wis.
Sanders, Smith & Co., Charlotte, N. C.
Smith Oscar & Sons Co., 310 Spruce, Phila., Pa.
Standard Textile Co., Glens Falls, N. Y.
Stearns & Foster Co., Lockland, O.
Stockport Fibre Co., Stockport, N. Y.
Troy Waste Mfg. Co., Troy, N. Y.
Tuscaloosa Mills, Tuscaloosa, Ala.
Union Wadding, Pawtucket, R. I.
Westport Mfg. Co., Westport, Mass.
Worley Bros., Mohnton, Pa.

## 3249— Cotton (Calking)

Bishop Robert Mfg. Co., 157 W 6th, So. Boston, Mass.
Estes Mills ("Star," "No. 2"), Fall River, Mass.
Galbraith C. C. & Son, 90 West, New York
Hooper, Wm. E. & Sons Co., 3502 Parkdale av, Baltmore, Md.
Massasoit Mfg. Co., Fall River, Mass.
Olmstead & Tuttle Co., Chicopee, Mass.
Richards Fred. J., Springfield, Mass.
Stratford Geo. Oakum Co., Cornelison av, Jersey City, N. J.
Westport Mfg. Co., Fall River, Mass.

## 3250— Cotton Compresses

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Dickson Car Wheel Co., Houston, Tex.
Galland-Henning Co., 97 Wisconsin, Milwaukee, Wis.
Reading Iron Co., Reading, Pa.
Webb Press Co. (Ltd.), Minden, La.

## 3251—Cotton Duck & Canvas

Alabama Cotton Mills (36 Inch), Speigner, Ala.
Alexander City Cotton Mills (Narrow, Flat Duck), Alexander City, Ala.
Anchor Duck Mills (Wide Duck), Rome, Ga.
Aragon Mills, Aragon, Ga.
Arthur Smith F. Co., 261 Canal, New York
Ashcraft Cotton Mills (Dress Ducks), Florence, Ala.
Augusta Factory (27 to 40 Inch), Augusta, Ga.
Barrell Wm. L. Co., 8 Thomas, New York
Boott Mills (High Grade Duck), Lowell, Mass.
Boston Duck Co., Bondsville, Mass.
Boston Woven Hose & Rubber Co. (Hose & Belting Duck for Own Use), Cambridge, Mass.
Brighton Mills (Sail, Tire & Hose Duck, Mechanical Fabrics, etc. of "S I" Eg. & Am. Cotton), Passaic, N. J.
Brookside Mills (Wide & Narrow Duck), Knoxville, Tenn.
California Cotton Mills Co., Oakland, Cal.
Chicago Mica Co., Valparaiso, Ind.
*See adv index at end of book*
Chicopee Mfg. Corp. (Wide & Narrow), Chicopee Falls, Mass.
Cochran Cotton Mill Co. (Wide & Narrow), Cochran, Ga.
Connecticut Mills Co. (Tire Fabrics & Special Duck), Danielson, Conn.
Corsicana Cotton Mills (Narrow & Flat Duck), Corsicana, Texas
COUCH BROS. MFG. CO. (Sail, Wide, Army), Atlanta, Ga.
COUCH MILLS CO., Atlanta, Ga.
Crown Cotton Mills (Broad & Narrow), Dalton, Ga.
Dallas Cotton Mills (Narrow Single Filling Duck), Dallas, Texas
Daniel C. R., Inc., 115 South, New York
Denison Cotton Mill Co. (29 to 72 Inch Duck), Denison, Texas
Dixie Cotton Mills (Wide & Narrow Flat Thread Duck), La Grange, Ga.
Dunson Mills (Wide & Narrow), La Grange, Ga.
Elm City Cotton Mills (Wide), La Grange, Ga.
Enterprise Cotton Mills (Wide & Narrow Flat Duck), Enterprise, Ala.
Falls Co. (Narrow Duck), Norwich, Conn.
Fitchburg Duck Mills (Sail, Army, Number, Belting & Hose Duck & Stitched Belting Duck, etc.), Fitchburg, Mass.
Fitzgerald Cotton Mills (Wide), Fitzgerald, Ga.
Floyd Cotton Mills (Wide & Narrow Flat Duck), Rome, Ga.
Fulton Bag & Cotton Mills (Waterproof & Mildewproof Duck), Atlanta, Ga.
Gary James S. & Son (Heavy Duck), Equitable bldg, Baltimore, Md.
Globe Cotton Mills (36, 40 and 52 inch), Augusta, Ga.
Gonzales Cotton Mill Co. (36 Inch Duck), Gonzales, Texas
Gordan Supply Co. (Wide & Narrow Duck Only), 537 Albany, Boston, Mass.
Hall, Lincoln & Co. (Heavy Duck), 154 Milk, Boston, Mass.
Handley W. A. Mfg. Co. (Wide), Roanoke, Ala.
Hettrick Mfg. Co., Toledo, O.
Hillsboro Cotton Mills (6 to 12 oz. Duck, 29 to 44 Inches Wide), Hillsboro, Texas
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Holt, Gant & Holt Cotton Mfg. Co. (Colored Duck for Workingmen's Clothes), Elon College, N. C.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
Itasca Cotton Mfg. Co. (36 Inch Dress Duck), Itasca, Texas
Lane J. H. & Co. (Jobbers), 334 4th av, New York
Lanett Cotton Mills (Wide & Narrow), West Point, Ga.
Lawrence Duck Co., Lawrence, Mass.
Lincoln Cotton Mills Co. (Wide & Narrow Light Duck), Evansville, Ind.
Manchester Cotton Mills (Wide & Narrow Light Duck), Manchester, Ga.
Meritas Mills (Wide), 320 B'way, New York
Meyer John F. Tire Duck Co. (Duck for Tires, 54 to 90 in.), 708 Frelinghuysen av, Newark, N. J.
Milstead Mfg. Co. (Wide Heavy Duck), Milstead, Ga.
Montgomery Cotton Mills (Wide Duck), Montgomery, Ala.
Monticello Cotton Mills (Wide & Narrow Twisted & Single Filling Duck), Monticello, Ark.
Morris & Co. (Wide & Narrow), Groveville, N. J.
Mt. Vernon Woodberry Mills Inc. (All Kinds "Woodberry Mt. Vernon Extra"), Cont. bld. Baltimore, Md.
New York Mills Corp. (Wide & Narrow Duck), New York Mills, N. Y.
Palmetto Cotton Mills (Wide & Narrow Single Filled Duck), Palmetto, Ga.
Passaic Cotton Mills (Up to 72 Inches, Tire & Hose Fabrics), 120 B'way, New York
Pelham Mfg. Co. (7 to 14 oz, 29 to 42 Inches Wide), Pelham, Ga.
Piedmont Cotton Mills (Wide), Egan, Ga.
Putnam Mills & Power Co. (Flat & Twisted Broad Ducks), Eatonton, Ga.
Riverdale Cotton Mills (Wide & Narrow), West Point, Ga.
Royal Mills (Duck Bagging), Charleston, S. C.
Savage Mfg. Co. (Wide & Narrow), Savage, Md.
Sherman Mfg. Co. (7 to 15 oz, Single Filling High Grade Duck), Sherman, Texas
Sibley Mfg. Co. (Wide & Narrow), Augusta, Ga.
Smith D. B. Sons Co., Pine Meadow, Conn.
STANLEY WM. W. (Plain & Waterproof Canvas of all kinds), 50 Church, New York
Stonewall Cotton Mills (32 & 36 Inch), Stonewall, Miss.
Summerville Cotton Mills Co. (Wide & Narrow Duck, 8 to 14 oz), Summerville, Ga.
Sylvan Cotton Mills (Wide & Narrow), Shelbyville, Tenn.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Textile Products Mfg. Co. ("Noxall & Sterling"), Park av & Dolman, St. Louis, Mo.
Thistle Mills (Wide & Narrow Duck), Ilchester, Md.
Thomaston Cotton Mills (Wide & Narrow Flat Duck, 4 to 8 oz), Thomaston, Ga.
Thorndike Co. (Awning Stripes, etc), Thorndike, Mass.
Turner J., Spencer Co. (Sales Agents Consol Cotton Duck Co.), 86 Worth, New York
Unity Cotton Mills (Wide & Narrow Heavy Duck; also Belting, Hose, Sail Cloth & Packing Duck), La Grange, Ga.
Virginia Consolidated Milling Co. (Wide & Narrow Duck), Petersburg, Va.
Warren Mfg. Co. (Numbered, Press, Belting & Double Filling Duck, 12 to 46 inch, Different Weights), Warren, Md.
Waxahachie Cotton Mills (Wide & Narrow Flat Duck), Waxahachie, Texas
Wellington, Sears & Co. (Jobbers, Ducks for Belting, Hose, Sails, Harvesters, etc; also Awning Stripes, Canvas for Wagon Tops, etc, & Bunting), 93 Franklin, Boston, Mass.
West Point Mfg. Co. (Wide & Narrow Hose & Belting Duck), Westpoint, Ga.
Willingham Cotton Mills (Wide Numbered, Hose, Belting & Sail Duck), Macon, Ga.

## Cotton Gins

See Cotton Ginning Machinery

## 3252— Cotton (Jewelers')

Estes Mills, Fall River, Mass.
Lewis Mfg. Co., Walpole, Mass.
Maplewood Mills, Fall River, Mass.

## 3253— Cotton (Soluble)

Anderson Chemical Co., Wallington, N. J.
Celluloid Zapon Co., 200 5th av, New York
*See adv index at end of book*
Chemical Products Co. (Non-Explosive; also Solutions & Films), 30 Charles River rd, Boston, Mass.
Cooper Chas. & Co., 194 Worth, New York
Du Pont Chemical Works (Pyroxylin or Nitrocellulose), Wilmington, Del.
Erkenbrach Geo. A. Co., 115 Maiden la, New York
Maas & Waldstein Co., 92 William, New York

## 3254—Cotton (Spun Calking)

Bishop Robt. Mfg. Co., 157 W 6th, South Boston, Mass.

## 3255— Cottonades

Brown's G. Sons, Mount Joy, Pa.
Carhartt Hamilton Cotton Mills, Rock Hill, S. C.
Eagle & Phenix Mills, Columbus, Ga.
Falls Co., Norwich, Conn.
Griffin Mfg. Co., Griffin, Ga.
Hamburger Cotton Mills, Columbus, Ga.
Jones H. C. Co., Conshohocken, Pa.
Thorndike Co., Thorndike, Mass.

White-Williamson Co., Graham, N. C.
Whittenton Mfg. Co., Taunton, Mass.

## 3256—Couch Leg Attachments

Weber-Knapp Co., Jamestown, N. Y.

## 3257— Couches (Steel)

Newark Spring Mattress Co., 84 Madison, Newark, N. J.
Ohio Spring Bed Co. (Sanitary Wire), 1281 E. 38th, Cleveland, O.
Simmons Co (Sanitary), Kenosha, Wis.

## 3258— Coumarin

Monsanto Chemical Works, St. Louis, Mo

## 3259—*Counter Balance Stairs (New, Only One in World)

**HANKE IRON & WIRE WORKS,** 800 No. Albany av, Chicago, Ill.
*See adv index at end of book*

## 3260— Counterbores

Cleveland Cutter & Reamer Co., The, 1619 Merwin av, Cleveland, O.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Clough R. M. (For Round Head Cap Screws, etc), Tolland, Conn.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich. *See adv index at end of book*
Hendrick-Davis Co. ("K.-D." Jewelers), Lebanon, N. H.
Moback Tool & Machine Mfg. Co. ("Moback," Inserted), 330 Atlantic av, Boston, Mass.
Morse Twist Drill & Machine Co. ("Morse" Solid, Adjustable & Interchangeable Blades & Guides), New Bedford, Mass.
National Tool Co. ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
National Twist Drill & Tool Co. ("National," Solid), Detroit, Mich.
New Britain Tool & Mfg. Co., New Britain, Conn.
Potter S. A. Tool & Machine Works, 74 E 130th, New York
Standard Tool Co., 6700 Central av, Cleveland, O.
Up-To-Date Tool Co. (For Studs & Bolts), 81 Wareham, Boston, 18, Mass.
*See adv index at end of book*

## 3261—Counters (Boot & Shoe)

Appleton Counter Co., Haverhill, Mass.
Archibald F. Co., Haverhill, Mass.
Bennett Wm. H. Co., Lynn, Mass.
Bicknell Geo. H. Co., Weymouth, Mass.
Bodwell Counter Co., Haverhill, Mass.
Brockton Heel Co., Brockton, Mass.
Cadwallader, Dougherty & Co., 113 N 3rd, Phila., Pa.
Columbia Counter Co., 349 Congress, Boston, Mass.
Doyle & Downey, Newburyport, Mass.
Durkee Counter Co., Haverhill, Mass.
Durland Counter Co., Lynn, Mass.
Eagle Counter & Leather Co., 416 E 8th, Cincinnati, O.
Eagleton Bros., Lynn, Mass.
Filoon V. & F. W. Co., Brockton, Mass.
Gardiner, Beardsell & Co., 50 Lincoln, Boston, Mass.
Globe Counter Co., Haverhill, Mass.
Goddard F. A. & Co., Lynn, Mass.
Hanover Heel & Innersole Co., Hanover, Pa.
Hanscom Frank W., Haverhill, Mass.
Harris-Wheaton Co., 157 Pearl, Boston, Mass.
Harwood Counter Co., Lynn, Mass.
Hickey Michael J. & Co., Haverhill, Mass.
Hopkins R. C., Lynn, Mass.
Hudson Counter Co., Hudson, Mass.
Johnson Chas. H., Lynn, Mass.
Johnson T. C. & Sons, Lynn, Mass.
King Counter Co., Salem, Mass.
Lacroix W. & E. W., Lynn, Mass.
London Geo. G. Mfg. Co., Lynn, Mass.
Lovett Solon, Beverly, Mass.
Lyons Counter Co., Lynn, Mass.
McManus C. H. & Co., Lynn, Mass.
McNamara L. F. Co., Haverhill, Mass.
Manning John A. Paper Co., Troy, N. Y.
Milwaukee Counter Co., 246 Pearson, Milwaukee, Wis.
Morton & Son Co., Rochester, N. Y.
Mosser J. K. Co., Williamsport, Pa.
Mousam Counter Co., 121 Beach, Boston, Mass.
Mower Earl A., Lynn, Mass.
Munsey Shank & Counter Co., Lynn, Mass.
National Fibre Board Co., 121 Beach, Boston, Mass.
Newburyport Counter Co., Newburyport, Mass.
Pierce C. S. Co., Brockton, Mass.
Puritan Counter Co., Brockton, Mass.
Rogers Fibre Co. ("Horn Fibre" Fibre), 121 Beacon, Boston, Mass.
*See adv index at end of book*
Smith P. J. Co., Salem, Mass.
Spaulding J. & Sons Co., Inc., P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*
Standard Heel & Counter Co., Carr & 11th, St. Louis, Mo.
Sumner A. B. & Son, Lynn, Mass.
Sumner Counter Co., Haverhill, Mass.
Tasker Geo. F., Haverhill, Mass.
Vaughn J. T., Haverhill, Mass.
Webster, Geo. H., Haverhill, Mass.
Wilder & Co., 228 W Lake, Chicago, Ill.
Worcester Counter Co., Worcester, Mass.
Young & Sampson, Lynn, Mass.

## 3261a—*Counters (Cafeteria & Lunchroom)

Vitrolite Co., Chamber of Commerce bldg, Chicago, Ill. *See adv index at end of book*

## 3262—Counters (Chart Room Revolution)

**McNAB CO.** ("McNab"), Bridgeport, Conn.
*See adv index at end of book*

## 3263—*Counters (Combination Counter & Watch)

**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 3264—Counters (Engine Revolution)

**McNAB CO.** ("McNab"), Bridgeport, Conn.
*See adv index at end of book*

## 3265—*Counters for Paper Machines

**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 3266—*Counters for Reciprocating Motion (Square Case & Round Case)

**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 3267—*Counters (Mechanical)

**PLUMB D. S.,** 73-77 Norfolk nr Central av, Newark, N. J.
*See adv index at end of book*

## 3268— Counters (Pole)

Benton Mfg. Co., 9 Bethune, New York
Durant Mfg. Co., Milwaukee, Wis.
International Register Co., 15 Throop, Chicago, Ill.
New York Standard Watch Works, 403 Communipaw av, Jersey City, N. J.
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Veeder Mfg. Co. ("Veeder" Hand Lobey), Hartford, Conn.

## 3269—*Counters (Recording)

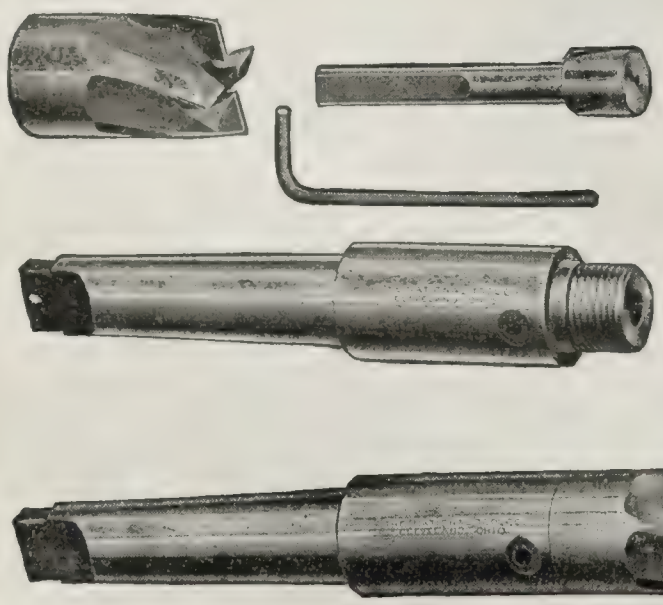
See also Indicators, Speed

American Pedometer Co. ("Empire" Automatic), New Haven, Conn.
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 3270—Counters (Revolution)

See also Indicators, Speed

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Belden Mfg. Co. (For Magnet Winding Machines), 2316 S Western av, Chicago, Ill.
**BRISTOL CO.** ("Bristol"), Waterbury, Conn. *See adv index at end of book*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*

NATIONAL-CLEVELAND
INTERCHANGEABLE COUNTERBORES

prove how easily and with what advantage thrift may be practiced in the small tool field.

The National Patent Counterbore is made in three parts —only the cutter (one-quarter of the whole tool) being of high-speed steel. The shank and pilot are made of more durable and less expensive steel—a clear saving of 75 per cent on the initial investment.

*Full description in Bulletin*

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Philadelphia Sales Room: 40 North 7th Street
European Office: National Tool Co., 139 Queen Victoria Street, London, E. C., 4

Cummings Ship Instrument Works ("Cummings" Averaging), 110 High, Boston Mass.
Durant Mfg. Co. ("Durant" "Productimeter"), Milwaukee, Wis.
Durbrow & Hearne Mfg. Co. (For Printing Presses, etc), 12 Wooster, New York
**McNAB CO.** ("McNab" Pneumatic), Bridgeport, Conn.
*See adv index at end of book*
Mossberg Frank Co. (For Looms, etc), Attleboro, Mass.
Richardson Scale Co. ("Richardson" Reciprocating), Passaic, N. J.
Root Chas. J. Co. ("Bristol," "Elm City" & "Roco"), Bristol, Conn.
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Star Brass Mfg. Co. ("Star" Round Case), 53 Oliver, Boston, Mass.
Veeder Mfg. Co. ("Veeder"), Hartford, Conn.
Zaubitz August ("Zaubitz"), 95 Cliff, New York

## 3271-2—*Counters (Short Stroke for Pumps)

**SCHAEFFER & BUDENBERG MFG. CO.** Berry & So 5th, Brooklyn, N. Y.
*See adv index at end of book*

## Counters (Store)

See Store & Bar Fixtures

## 3273— Countershafts

Almond T. R. Mfg. Co. ("Almond" Right Angle Quarter Turn), Ashburnham, Mass.
American Tool & Machine Co., 10 High Boston, Mass.
Baird Machine Co., Bridgeport, Conn.
Bardons & Oliver (Double Friction), Cleveland, O.
Birkle Machine Works, 128 E Clinton, Chicago, Ill.
Brown & Sharpe Mfg. Co., Providence, R.I.
Builders Iron Foundry ("Universal Pull"), 9 Codding, Providence, R. I.
Caldwell W. E. Co., Louisville, Ky.
Clizbe Bros. Mfg Co., Plymouth, Ind.
Cresson-Morris Co., Allegheny & 18th, Phila, Pa.
Diamond Machine Co. ("Diamond," "Standard," "Universal Pull"), Providence, R. I.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Elgin Tool Works ("Elgin" for Precision Tools), Elgin, Ill.
Frederick Machine Works (Rope Pull), Norwalk, O.
Garvin Machine Co., 147 Varick, New York
**GEM MFG. CO.,** Goebel, nr Fulton N S, Pittsburgh, Pa.
*See adv index at end of book*
Goodell-Pratt Co. (For Small Machinery), Greenfield, Mass.
Hannifin Mfg. Co. ("Hannifin," Roller Bearing Actuated Double Friction), 621 S Kolmar av, Chicago, Ill.
**HANSON CLUTCH & MACHINERY CO.,** Tiffin, O. *See adv index at end of book*
Hill Clutch Co., W. 65th, Cleveland, O.
Lane Mfg. Co., Montpelier, Vt.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Lodge & Shipley Machine Tool Co., Cincinnati, O.
Mafreto Machine & Tool Co., Worcester, Mass.
Mossberg Wrench Co. ("Sim-Pull" & "Simplex"), 25 Charles, Providence, R. I.
North Wales Machine Co., North Wales, Pa.
Norton Co., Worcester, Mass.
Phoenix Mfg. Co., Hartford, Conn.
Quint A. D., Hartford, Conn.
Reeves Pulley Co., Columbus, Ind.
Standard Pulley Co., 1734 Power, Cincinnati, O.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*
Union Lathe Wks., York, Pa.
Universal Winding Co. ("Leesona"), Boston, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.

## 3274—Countershafts (Bench Lathe)

Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.
Moseley Lathe Co., Elgin, Ill.
Rivett Lathe & Grinder Co., 2 Brooks, Brighton, Boston, Mass.
Stark Tool Co., Waltham, Mass.
American Tool Co., Boston, Mass.
Wade H., 311 Atlantic av, Boston, Mass.

## 3275—Countershafts (Variable Speed)

Cushman Electric Co. ("Cushman" Motor Driven), Concord, N. H.
Evans Friction Cone Co., Newton Center, Mass.
Goodman Mach. & Tool Co., 50 Church, New York
Holmes E. & B. Machinery Co., Buffalo, N. Y.
Nordyke & Marmon Co., Ky. av & Morris, Indianapolis, Ind.

## 3276— Countersinks

Atlas Engng. Co., Lincoln, Neb.
Bagshaw & Field (Rose, Flat & Small head), 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros. (Flat, Rose & Snail), Milbury, Mass.
Buffum Tool Co. ("Swastika," Flat & for Iron), South Side, Louisiana, Mo.
Butterfield & Co., Derby Line, Vt.
Clark Equipt. Co. ("Celfor"), Buchanan, Mich.
Cincinnati Tool Co. ("Hargrave's Adjustable"), Norwood, Cincinnati, O.
*See adv index at end of book*
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Davidson Tool Mfg. Corp., 122 Maiden Lane, New York
Detroit Twist Drill Co. (Bit Stock), 555 Fort, Detroit, Mich.
*See adv index at end of book*
Deuse J. S. (Wood & Iron), Chester, Conn.
Forest City Bit & Tool Co., Rockford, Ill.
Goodell-Pratt Co., Greenfield, Mass.
**GREENFIELD TAP & DIE CORPN.** ("G. T. D." for Bit Brace & Machine Use), Greenfield, Mass.
*See adv index at end of book*
Jenning C. E. & Co., 71 Murray, New York
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
*See adv index at end of book*
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Morse Twist Drill & Machine Co. ("Morse Bit Stock & Combined Drills & Countersinks), New Bedford, Mass.
Polk A. J. & Son Co. (For Drilling Machines, etc), Millersburg, Pa.
Potter S. A., Tool & Machine Works, 74 E 130th, New York
Pugh Job T., 31st & Ludlow, Phila., Pa.
Robinson M. W. Co. ("Smith's" Patent Adjustable for Wood Workers), 296 B'way, New York
S. & I. Co., Springfield, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith Otis A. (For Wood Workers), Rockfall, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Standard Tool Co., 6700 Central av, Cleveland, O.
Stanley Rule & Level Co., New Britain, Conn.
Star Bit & Tool Co., Rockford, Ill.
**STARRETT L. S. CO. (The),** (Double Lip, etc.), Athol, Mass.
*See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
Syracuse Twist Drill Co. ("Syracuse" Flat, Bit Stock, Clarks, Wood & Machine), Borden av, Syracuse, N. Y.
Tuck Mfg. Co. (Rose, Flat), Brockton, Mass.
U. S. High Speed Steel Tool Corp. ("Speedster"), 489 5th av, New York
Vaughan & Bushnell Mfg. Co. ("V & B." Cast Steel), 2114 Carroll av, Chicago, Ill.
**WHITMAN & BARNES MFG. CO.** (Bit Stock), Akron, O.
*See adv index at end of book*
Wood Morris & Son (Loose Center), 5108 W Lake, Chicago, Ill.

## 3277—Countersinks & Center Drills Combined

Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich. *See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co., Detroit,
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, O.
Mich.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
Standard Tool Co., 6700 Central av, Cleveland, O.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y
Union Twist Drill Co., Athol, Mass.

## 3278— Couplers (Car)

American Steel Foundries ("Simplex"), McCormick bldg, Chicago, Ill.
Buckeye Steel Castings Co. (Cast Steel), Columbus, O.
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
Gould Coupler Co. ("Gould"), 30 E 42nd, New York
Jewett Car Co., Newark, O.
McConway & Torley Co. ("A. R. A.," "Janney X," "Janney," "Penn," "Nemo," & "Pitt," Made from Open Hearth Cast Steel), 48th & A. V. R. R., Pittsburgh, Pa.
Michigan Malleable Iron Co., Delray, Detroit, Mich.
Monarch Steel Castings Co. ("Monarch," Solid "Detroit" Couplers & Coupler Attachments), Solway & Wab. R. R., Detroit, Mich.
National Car Coupler Co. ("Hinson," "National" Freight, Passenger & Industrial Cars), 332 S Michigan av, Chicago, Ill.
National Malleable Castings Co. ("Tower," "Climax," "Sharon," "Latrobe," "Munton," "Melrose," "Chicago" & "M. C. B."), 7706 Plattar, S. E., Cleveland, Ohio
Ohio Brass Co. ("Tomlinson"), Mansfield, Ohio *See adv index at end of book*
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sanford-Day Iron Works (Cushion), Knoxville, Tenn.
Scullin Steel Co. ("Durbin" Safety), 6700 Manchester av, St. Louis, Mo.
Standard Coupler Co. ("Standard"), 30 Church, New York
Stark Car Coupler Corp. ("Stark" Automatic), Strasburg, Va.
Van Dorn Coupler Co. (Automatic), 2325 S Paulina, Chicago, Ill.

## 3279-80— Couplers (Dog)

Niagara Falls Metal Stamping Works ("Prema" Special), Niagara Falls, N. Y.

## 3281—Couplers (Shaft, Wagon, Etc.)

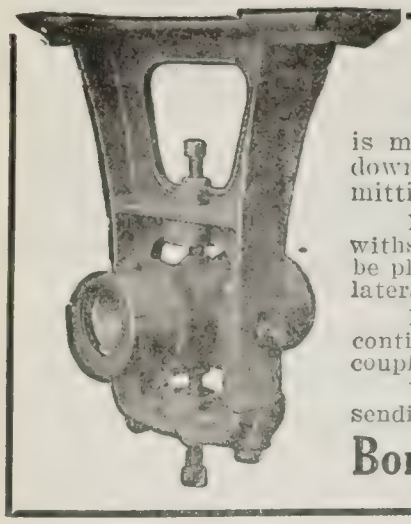
See also Anti-Rattlers, Steel

Bradley C. C. & Son ("Bradley Carriage"), Syracuse, N. Y.
*See adv index at end of book*
Cleveland Hardward Co., Lakeside av. & E. 45th, Cleveland, O.
Columbus Bolt Works Co., Columbus, O.
Cowles C. & Co., New Haven, Conn.
Eccles, Richards Co. (Drop Forged, Ball Bearing), Auburn, N. Y.
Evans & Coppins Co., Princeton, Ill.
Fernald Mfg. Co. ("Spitzli," "Empire," "Handy"), North End, Pa.
Keystone Forging Co. (Drop Forged), Northumberland, Pa.
Queen City Forging Co., Tennyson & Dumont, Columbia, Cincinnati, O.
Seward M. & Son Co., New Haven, Conn.
Smith H. D. & Co., Plantsville, Conn.
Union Forging Co. (Straight Bar), Union, N. Y.
Upson Nut Co., Cleveland, O.

## 3282—Couplers (Steam & Air Hose)

See also Couplings, Hose

Clafiin C. A. Co. ("Sure-Hold" Adjustable Clamp), 161 High, Boston, Mass.
Consolidated Car Heating Co. ("Sewell"), Albany, N. Y.
Manitowoc Ship Building Co. ("Gunnell," Automatic), Manitowoc, Wis.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*



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**Bond Foundry & Machine Co.** MANHEIM, Lancaster County, PA., U. S. A.

COUPLERS (STEAM & AIR HOSE)—cont.

Railway Utility Co. ("Utility" High Pressure), 721 Fulton, Chicago, Ill.
Rauch Mfg. Co. ("Eureka," "Reliable"), Galena, Kan.
Westinghouse Automatic Air & Steam Coupler Co., Boatman's Bank bldg, St. Louis, Mo.

## Couplings (Air Hose)

See Pneumatic Hose Couplings; also Couplers, Steam Hose

## 3283—Couplings (Bell Cord)

See also Bell Cords & Couplers

Creamer W. G. & Co., 96 John, New York
Dayton Mfg. Co., Dayton, O.
Handlan-Buck Mfg. Co. ("Shelby"), 210-14 N 3rd, St. Louis, Mo.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 3284— Couplings (Belt)

Greene, Tweed & Co. ("Moran's" Round), 109 Duane, New York
Manufacturers' Belt Hook Co. ("L-X" Round), 1321 W. Congress, Chicago, Ill.
Mossberg Frank Co. (For Motor Cycles), Attleboro, Mass.
**QUADRIGA MFG. & SPECIALTY CO.** ("Quadriga" Round Belt), 213 W Grand av, Chicago, Ill.
*See adv index at end of book*

## 3285-6—Couplings (Boiler & Water Back)

Acheson Mfg. Co. (Brass), Rankin, Pa.
*See adv index at end of book*
Atkinson Co., Rochester, N. Y.
Blake Specialty Co., Rock Island, Ill.
Burlington Brass Works, Burlington, Wis.
Campbell J. B. Brass Works, Erie, Pa.
Central Brass Mfg. Co. ("Central"), 6206 Cedar, Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Glauber Brass Mfg. Co., 49th & Superior, av, N E, Cleveland, O.
*See adv index at end of book*
Grabler Mfg. Co. (With Union), Cleveland, Ohio
Haines, Jones & Cadbury Co., 1136 Ridge, Phila., Pa.
Hamilton Jno. Brass Works ("Kitson"), Bridgeport, Conn.
Hays Mfg. Co., Erie, Pa.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Kelly & Jones Co. (Malleable Iron, etc.), 135 Water, Pittsburgh, Pa.
Kitson Hydro Carbon Heating & Incandescent Lighting Co., 2819 Oakford, Phila., Pa.
Lawler Regulator Co. ("Lawler's" Protector), 55 W Houston, New York
McDonald A. Y. Mfg. Co., Dubuque, Iowa
Mueller H. Mfg. Co., Decatur, Ill.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Peck Bros. & Co., New Haven, Conn.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Stebbins E. Mfg. Co. Springfield, Mass.
Trenton Brass & Machine Co. ("Trenton," "Paragon" Inside Screw, Short Tapered, Tapered "Magee" & "New York", Patterns), Trenton, N. J.
Union Metal Works, Chelsea, Mass.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 3287— Couplings (Clamp)

American Tool & Machine Co., 10 High, Boston, Mass.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York.
Cresson-Morris Co. (Internal, etc), 18th & Allegheny av, Phila., Pa.
**DODGE SALES & ENGINEERING CO.** ("The Grim Death," Keyless, Ribbed), Mishawaka, Ind.
Hill Clutch Co., W 65th, Cleveland, O.
Morse A. J. & Son (Inc.), 221 High, Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Valley Iron Works, Williamsport, Pa.
Walker Mfg. Co., Denver, Colo.
Wolf Co., Chambersburg, Pa.

## 3288— Couplings (Closet)

American Brass & Copper Co. (Also Closet Repairs), 138 Lafayette, New York
Hydraulic Specialty Co. ("Universal"), 427 Walnut, Phila., Pa.
Park & McKay, 55 Bagley av, Detroit, Mich.
Republic Rubber Co., Youngstown, O.
Salem Brass & Iron Mfg. Co. (Rubber), Salem, N. J.
Trenton Brass & Machine Co., Trenton, N. J.

## 3289— Couplings (Clutch)

American Tool & Machine Co., 10 High, Boston, Mass.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York
Buhl Malleable Co., Wight & Adair, Detroit, Mich.
Chain Belt Co. (Spiral, Square, etc), Milwaukee, Wis.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
**DODGE SALES & ENGINEERING CO.** (Solid & Split), Mishawaka, Ind.
Erie Clutch & Pulley Co., Erie, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Golden's Fdry & Machine Co., Columbus, Ga.
Grace C. M. Co., Huntsville, Ala.
**HANSON CLUTCH & MACHINERY CO.**, Tiffin, O. *See adv index at end of book*
**HILL CLUTCH CO.**, W 65th, Cleveland, O.
Hilliard Clutch & Machinery Co. (Cut-off), Elmira, N. Y.
**JEFFREY MFG. CO., 961 N 4th, Columbus, O.**
*See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
List E. J. Mfg. Co (Positive Grip & Line Shaft), Havana, Ill.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Morse A. J. & Son Inc., 221 High, Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
O. K. Clutch & Machinery Co., Columbia, Pa.
Thomas Flexible Coupling Co. ("Empire"), Erie, Pa.
Three Rivers Machine Tool & Die Corp., Phoenix, N. Y.
Webster Mfg Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

## 3290—Couplings (Compression)

American Tool & Machine Co., 10 High, Boston, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co. ("Spiro"), Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York
Works: Elizabethport, N. J.
Chain Belt Co. ("C. B. Co."), Milwaukee, Wis.
Commonwealth Brass Works, Detroit, Mich.
Dole Valve Co. (Double Compression), 1923 Carroll av, Chicago, Ill.
Erie Clutch & Pulley Co., Erie, Pa.
Golden's Fdry. & Machine Co., Columbus, Ga.
Hill Clutch Co., W 65th, Cleveland, O.
Hunter James Machine Co., N Adams, Mass.
Imperial Brass Mfg. Co. ("Imperial" Brass), 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
**JEFFREY MFG. CO., 961 N 4th, Columbus, O.**
*See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
McRAE & ROBERTS CO., 227 Campbell bell av, Detroit, Mich.
*See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av., Minneapolis, Minn.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
**NICHOLSON W. H. & CO. (Shaft), Wilkes-Barre, Pa.**
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.
Royersford Foundry & Machine Co., Royersford, Pa.
Shaw Coupling Co., Syracuse, N. Y.
Stuart R. J. & T. H. (Wedge), New Hamburg, N. Y.
Three Rivers Machine Tool & Die Corp., Phoenix, N. Y.

Valley Iron Works ("Hendershot"), Williamsport, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. (Double Cone, etc), Chambersburg, Pa.

## 3291— Couplings (Conduit)

American Conduit Mfg. Co., Keystone bldg, Pittsburgh, Pa.
Appleton Electric Co. (No Thread), Wellington & Paulina, Chicago, Ill.
Bonnell W. A. Co., 192 Chambers, New York
Burns Jas. F., 713 Cherry, Phila., Pa.
Central Tube Co., First National Bank bldg, Pittsburgh, Pa.
Condit Electrical Mfg. Co. ("Chase" Nipple; Sole Selling Agents for Chase-Shawmut Co.), 1st & L, Boston, Mass.
Enameled Metals Co., 61 Bridge, Pittsburgh, Pa.
Fairmount Elec. & Mfg. Co. ("Bendhicks"), 59th & Woodland av, Phila., Pa.
Gillette-Vibber Co. ("G. V. Universal"), New London, Conn.
Grabler Mfg. Co. (Fixture Studs), Cleveland, O.
McCabe Charles A. (Threadless), Wilkes-Barre, Pa.
National Metal Molding Co., 1110 Fulton bldg, Pttsburgh, Pa.
Safety Armorite Conduit Co., West, Pittsburgh, Pa.
Sprague Electric Works, 527 W 34th, New York
Steel City Electric Co. ("Marchand" Flexible Steel), 1207 Columbus av, Pittsburgh, Pa.
Thomas & Betts Co. ("Erickson"), 63 Vesey, New York

## Couplings (Conduit Rod)

See Rods, Conduit Wiring & Cleaning

## 3292-3— Couplings (Cut-Off)

Allis-Chalmers Mfg. Co. ("A. C." Friction Clutch), Milwaukee, Wis.
American Tool & Machine Co., 10 High, Boston, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Lancaster Co., Manheim, Pa.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York
Brown Clutch Co. ("Brown"), Sandusky, Ohio
Brown Engineering Co. ("Mule-Pull" Friction), 110 N 3rd, Reading, Pa.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
Carruthers & Fithian Clutch Co., Grove City, Pa.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Eastern Machinery Co., New Haven, Conn.
Edgemont Machine Co., Dayton, O.
Erie Clutch & Pulley Co., Erie, Pa.
Falls Clutch & Machy. Co., Cuyahoga Falls, O.
HANSON CLUTCH & MACHINERY CO., Tiffin, O. *See adv index at end of book*
Hess-Snyder Co., Massillon, O.
HILL CLUTCH CO., W 65th, Cleveland, O.
Hilliard Clutch & Machy. Co., Elmira, N. Y.
JEFFREY MFG. CO., 961 N 4th, Columbus, O.
*See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Minster Machine Co., Minster, O.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
O. K. Clutch & Machy. Co., Columbus, Pa.
Poole Engineering & Machine Co., Woodbury Station, Baltimore, Md.
Thomas Flexible Coupling Co. ("Empire"), Erie, Pa.
Walker Mfg. Co. (Patent Balanced), Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
WESTLUND C. G. CO. ("Star Safety," "Westlund Split"), 498 Millbury, Worcester, Mass.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. ("Universal Giant" Friction Clutch), Chambersburg, Pa.

## 3294—Couplings (Expansion)

Elkhart Brass Mfg. Co. (Expansion Ring), Elkhart, Ind.
Howell F. R. Brass Works, 122 N Franklin, Phila., Pa.
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Ohio Pump & Brass Co. (Expansion Rod), Columbus, O.
Three Rivers Machine Tool & Die Corp., Phoenix, N. Y.

## 3295— Couplings (Flange)

American Tool & Machine Co., 10 High, Boston, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Lancaster Co., Manheim, Pa.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
Cumberland Steel Co., Cumberland, Md.
Eastwood Benj. Co., Paterson, N. J.
Erie Clutch & Pulley Co., Erie, Pa.
Golden's Fdry. & Machine Co., Columbus, Ga.
Grace C. M. & Co., Huntsville, Ala.
Great Western Mfg. Co., Leavenworth, Kan.
Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
JEFFREY MFG. CO., 961 N 4th, Columbus, O.
*See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
LINK-BELT CO., 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av., Minneapolis, Minn.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Pittsburgh Valve, Foundry & Construction Co., 26th & A V R R, Pittsburgh, Pa.
Poole Engineering & Machine Co., Woodbury Station, Baltimore, Md.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

## 3296— Couplings (Flexible)

Aldrich Pump Co., Allentown, Pa.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
BOND CHAS. CO. ("Grundy" Insulated), 617 Arch, Phila., Pa.
Bond Foundry & Machine Co., Lancaster Co., Manheim, Pa.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York.
Bruce-Macbeth Engine Co., Cleveland, O.
Clark Flexible Coupling Co., 27 Walker, New York
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Dexter I. H. Co., 27 Walker, New York
Dodge Sales & Engineering Co., Mishawaka, Ind.
ELECTRIC CONTROLLER & MFG. CO., Cleveland, O.
*See adv index at end of book*
Fawcers Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*
Flexo Coupling Co., Montclair, N. J.
Francke Co., New Brunswick, N. J.
General Elec. Co., Schenectady, N. Y.
*See adv index at end of book*
Hanson Clutch & Machy Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Hooven, Owens, Rentschler Co. ("Hamilton"), Hamilton, O.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. Div.), Worcester, Mass.
*See adv index at end of book*
Jones W. A. Foundry & Machine Co. ("Jones"), 4401 W 12th, Chicago, Ill.
Mesta Machine Co. (For Rolling Mills, etc.), Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Roots P. H. & F. M. Co., Connersville, Ind.
Smith-Serrell Co. (Sales Agts.), 90 West, New York
Thermoid Rubber Co. (Fabric), Trenton, N. J. *See adv index at end of book*
Thomas Flexible Coupling Co. ("Simplex"), Erie, Pa.
Three Rivers Machine Tool & Die Corp., Phoenix, N. Y.

## 3297—Couplings (Flexible Cushion)

Aldrich Pump Co., Allentown, Pa.
Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*
NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Snead & Co., Jersey City, N. J.
Three Rivers Machine Tool & Die Corp., Phoenix, N. Y.
Thermoid Rubber Co., Trenton, N. J.
*See adv index at end of book*

## 3298-9—Couplings (Friction Clutch)

Allis-Chalmers Mfg. Co. ("A C"), Milwaukee, Wis.
American Tool & Machine Co., 10 High, Boston, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Lancaster Co., Manheim, Pa.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York
Brown Clutch Co., Sandusky, O.
Brown Engineering Co. ("Mule-Pull" Cut Off), 110 N 3d, Reading, Pa.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
DODGE SALES & ENGINEERING CO. (Solid & Split), Mishawaka, Ind.
Eastern Machinery Co., New Haven, Conn.
Edgemont Machine Co., Dayton, Ohio
Erie Clutch & Pulley Co., Erie, Pa.
Fairbanks, Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
Golden's Foundry & Mach. Co., Columbus, Ga.
Gump B. F. Co., 431 S. Clinton, Chicago, Ill.
HANSON CLUTCH & MACHY. CO., Tiffin, O. *See adv index at end of book*
HILL CLUTCH CO., W 65th, Cleveland, O.
Hilliard Clutch & Machinery Co. (Cut-off), Elmira, N. Y.
JEFFREY MFG. CO., 961 N 4th, Columbus, O. *See adv index at end of book*
Jones W. A. Foundry & Machine Co., ("Lemley"), 4401 W 12th, Chicago, Ill.
LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Morse A. J. & Son, 221 High, Boston, Mass.
Plamondon A. Mfg. Co., Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Thomas Flexible Coupling Co. ("Empire"), Erie, Pa.
Three Rivers Machine Tool & Die Corp., Phoenix, N. Y.
Walker Mfg. Co. (Patent Balanced), Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

COUPLINGS (FRICTION CLUTCH)—cont.

Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

## 3300— Couplings (Hose)

**See also Couplers, Steam & Air Hose; also Pneumatic Hose Couplings**

**Acme Brass Works, 147 Baxter, New York**
Allen W. D. Mfg. Co. (Pneumatic, Rubber for Air, Water, Steam & Suction Hose), 566 W Lake, Chicago, Ill.
*See adv index at end of book*
Allen W. D. Mfg. Co. (Fire, Plain & Automatic), 566 W Lake, Chicago, Ill.
**American Brass & Copper Co., 138 Lafayette, New York**
**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
**Anderson Coupling & Fire Supply Co. (Automatic), Kansas City, Kans.**
**Boston Coupling Co. (Fire Hose), 156 Pearl, Boston, Mass.**
**Boston Woven Hose & Rubber Co., Cambridge, Mass.**
**Buckeye Iron & Brass Works, Dayton, O.**
Callahan Cornelius Co., 127 Purchase, Boston, Mass.
Clark W. J. Co. ("Quick-as-Wink"), **Salem, O.**
**Clay Jno. H. ("Clay-Jones" Fire Hose), 1320 Ridge av, Phila., Pa.**
**Combination Ladder Co. ("McIntyre"), 366 Fountain, Providence, R. I.**
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
Dixon Valve & Coupling Co. ("Boss"), 11th & Race, Phila., Pa.
Duplex Hose Coupling Co., Wilkinsburg, Pa.
Edson Mfg. Co. ("Edson"), 257 Atlantic **av, Boston, Mass.**
**Elkhart Brass Mfg. Co. ("Cowan,"** "Fehy;" also Suction Hose), Elkhart, **Ind.**
Fabric Fire Hose Co., 127 Duane, New York
Handlan-Buck Mfg. Co. ("Lightning" for Compound Air), 210-14 N 3d, St. **Louis, Mo.**
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hayward S. F. & Co., 250 W 54th, New York
**Helwig Mfg. Co. ("Helwig" Automatic Shut-Off), St. Paul, Minn.**
Hoffmann B. Mfg. Co., 257 6th, Milwaukee, Wis.
Independent Pneumatic Tool Co., 600 W. Jackson blvd, Chicago, Ill.
**James Mfg. Co. ("Klingtite"), Cleveland, Ohio**
Jones Jas Co., 201 Leroy, Los Angeles, Cal.
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
Knox Mfg. Co. (For Drill & High Pressure), **821 Cherry, Phila., Pa.**
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., 55 John, New York
McShane Bell Foundry Co., Hanford av & B & O R R, Baltimore, Md.
Manitowoc Shipbuilding Co. ("Gunnell") Manitowoc, Wis.
Medina Stamping & Mach. Co., Medina, N. Y.
Metric Packing Co., 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*
Morse A. J. & Son (Inc.), 221 High, Boston, Mass.
Mulconroy Co. ("Mulconroy"), 54th & Jefferson, Phila., Pa.
Nelson L. R. ("Perfect Clinching" All Brass), Peoria, Ill.
Neumeyer H. F. & Son ("Never Slip"), Macungie, Pa.
Newhall Geo. N. Enging. Co. ("Pahlow"), Commercial Tr. bldg, Phila., Pa.
Nunn Brass Works ("Emergency" Fire Hose), Rochester, N. Y.
Peck Bros. & Co., New Haven, Conn.
Peoria Can Co. ("Improved Perfect," Clinching), Peoria, Ill.
Pioneer Brass Works ("P. B. W." Expansion Ring), Indianapolis, Ind.
Powell Wm. Co. (Ground Joint), Cincinnati, O. *See adv index at end of book*
Rauch Mfg. Co. ("Eureka" & "Reliable" for Steam & Air Hose), Galena, Kans.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Standard Brass & Iron Works (Brewers, etc; also for Steam Hose), 1820 St. Paul av, Milwaukee, Wis.
Stebbins E. Mfg. Co., Springfield, Mass.
**Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.**
Titeflex Metal Hose Co. (Flexible Metal), Badger av & Runyon, Newark, N. J.
Vapor Car Heating Co., 1450 Railway Ex., Chicago, Ill.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Walworth Mfg. Co., Boston, Mass.
Waterbury Brass Goods Corporation (Wrought Brass), Waterbury, Conn.
**WESTINGHOUSE AIR BRAKE CO.,** Pittsburgh, Pa.
Wolverine Brass Works, Grand Rapids, Mich.

## 3301—Couplings (Hose Band)

Jones Jas Co., 201 Leroy, Los Angeles, Cal.
McChesney J. S. & Co. ("McChesney" Galvan. Wire Hose Bands), 141 W Ohio, Chicago, Ill.
**Morgan Mfg. Co, Inc. ("Morgan's" Clamp),** Keene, N. H.
Morse A. J. & Son, 221 High, Boston, Mass.

## 3302—Couplings (Hose, Fire)

Allen Fire Dept. Supply Co., 159 Aborn, Providence, R. I.
Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*
**Anderson G. A. Mfg. Co. ("Anderson"),** Bush & Russell, Baltimore, Md.
**Boston Coupling Co., 156 Pearl, Boston, Mass.**
Boston Woven Hose & Rubber Co., Cambridge, Mass.
**Boyd Jas. & Brother, 25th & Wharton, Philadelphia, Pa.**
**Callahan Cornelius Co., 127 Purchase, Boston, Mass.**
**Clay John H., 1320 Ridge av, Phila., Pa.**
Davoren W. T. Brass Finishing Works ("Davoren-Denver"), 1241 12th, Denver, Colo.
Elkhart Brass Mfg. Co., Elkhart, Ind.
**Fabric Fire Hose Co., 127 Duane, New York**
**Farnan Brass Works Co., 1105 Center,** Cleveland, O.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
**Sherman H. B. Mfg. Co., Battle Creek, Mich.**

## 3303—Couplings (Hydraulic Pipe Line)

**Yarnell-Waring Co. (Caskey-Simplex). Harrison bldg, Phila., Pa.**

## 3304— Couplings (Insulated)

**Bond Chas. Co., 617 Arch, Phila., Pa.**
**Brown A. & F. Co., 79 Barclay, New York**
**General Elec. Co., Schenectady, N. Y.**
***See adv index at end of book***

## 3305—Couplings (Lead Flange)

Campbell J. B. Brass Works, Erie, Pa.
**Glauber Brass Mfg. Co., 49th & Superior N E, Cleveland, O.**
*See adv index at end of book*
Hays Mfg. Co., Erie, Pa.
Mueller H. Mfg. Co., Decatur, Ill.

## 3306—Couplings (Lead Pipe)

Chapman Valve Mfg. Co. ("Anderson"), Indian Orchard, Mass.
Craig, G. C., Rumney Depot, N. H.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Morden Iron Works, Quincy, Ill.

## 3307— Couplings (Meter)

Clark H. W. Co. ("Teksagon," "No Gasket"), Mattoon, Ill.
Hays Mfg. Co., Erie, Pa.

## 3308— Couplings (Pipe)

A. & J. Mfg. Co. (Wrought Iron), 559 W Lake, Chicago, Ill.
Banner Mfg. Co. (for Urinal Basins), 109 Lafayette, New York
Belknap Mfg. Co. (Circulating), Bridge**port, Conn.**
**BYERS A. M. CO.** (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
*See adv index at end of book*
Central Tube Co., First National Bank bldg, Pittsburgh, Pa.
**Chapman Valve Mfg. Co. ("Anderson"),** Indian Orchard, Mass.
**Cohoes Rolling Mill Co., Cohoes, N. Y.**
**Crane Co. (Est. 1855), 836 S Michigan av,** Chicago, Ill.
*For branch offices see Alphabetical Section*
**CRESSMAN N. C. CO., Drexel bldg, Phila., Pa.**
Custer Coupling Co., Bradford, Pa.
Dart E. M. Mfg. Co. ("Dart"), 134 Thurbers av, Providence, R. I.
***See adv index at end of book***
Dayton Pipe Coupling Co. ("Dayton" All **Steel), Dayton, O.**
Dresser S. B. Mfg. Co. ("Dresser"), Brad**ford, Pa.**
Fairbanks & Co. ("Dart"), 416 Broome, New York
Grabler Mfg. Co. (Wrought Iron), Cleve**land, O.**
Hammon Coupler Co. ("Hammon"), Farm**ers Bank bldg, Pittsburgh, Pa.**
Illinois Malleable Iron Co., 1801 Diversey **blvd, Chicago, Ill.**
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kelly & Jones Co. ("Kelly," Wrought Iron, etc.), 135 Water, Pittsburgh, Pa.
Kleinman R. F. (Wrought Iron), 4508 N 8th, Phila, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lawrenceville Bronze Co. ("O. K."), **Bessemer bldg, Pittsburgh, Pa.**
**LUNKENHEIMER CO.** (Brass). **Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.**
*See adv index at end of book*
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
***See adv index at end of book***
Malleable Iron Fittings Co. ("M. I. F. **Co."), Bradford, Conn.**
**Morse A. J. & Son, 221 High, Boston, Mass.**
National Acme Co., 7500 stanton av, S E, Cleveland, O.
New Haven Screw Co. (Up to ½ inch), **191 Foster, New Haven, Conn.**
***See adv index at end of book***
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
South Chester Tube Co., Chester, Pa.
Strater Herman & Sous, 74 Sudbury, Boston, Mass.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## Couplings (Pump Rod)

**See Sockets, Pump Rod**

## 3309— Couplings (Safety)

Bond Foundry & Machine Co., Lancaster Co., Manheim, Pa.
*See adv index at end of book*

## 3310— Couplings (Shafting)

Allis-Chalmers Mfg. Co. ("A. C." Friction Clutch), Milwaukee, Wis.
Almond T. R. Mfg. Co. (Angular or Quarter Turn Countershaft), Ashburnham, Mass.
American Tool & Machine Co., 10 High, Boston, Mass.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**Bailey Geo. D. Co. (Magneto), 1120 S Michigan av, Chicago, Ill.**
Boeger-Meyer Mach. & Tool Co., 61 McWhorter, Newark, N. J.
**BOND FOUNDRY & MACHINE CO.** (Compression), Lancaster Co., Manheim, Pa. *See adv index at end of book*
Brightman Machine Co., Quincy & C P. Ry, Cleveland, O.
Brown A. & F. Co., 79 Barclay, New York
Campbell Machinery Co. ("Bull Dog"), 35 W 39th, New York
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Coronum Equipment Co. (Compression), 89 Fulton, New York**
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Cunningham & Birdwood, Lynn, Mass.
**DODGE SALES & ENGINEERING CO.** (All Types Keyed & Compression), Mishawaka, Ind.

Eastwood Benj. Co., Paterson, N. J.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.
Falls Clutch & Machy. Co., Cuyahoga Falls, O.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Golden's Foundry & Machine Co., Columbus, Ga.
Grace C. M. & Co. (Compression Flange Clutch, etc.), Huntsville, Ala.
Great Western Mfg. Co., Leavenworth, Kan.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hanson Clutch & Machy. Co., Tiffin, O. *See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Holyoke Machine Co., Holyoke, Mass.
Hunter James Machine Co., North Adams, Mass.
Janney & Company, Montgomery Ala. *See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Keystone Forging Co., Northumberland, Pa.
Lane Mfg. Co., Montpelier, Vt.
Lane & Bodley Co., Tenn. av & Paddock rd, Cincinnati, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Lombard Iron Works & Supply Co., Augusta Ga.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Meese & Gottfried Co., 660 Mission, San Francisco, Cal.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av., Minneapolis, Minn.
Nicholson W. H. & Co. (Compression), Wilkes-Barre, Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Penntroy Corp. ("Pintite" rigid), Troy, Pa.
Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Royersford Fdry. & Machine Co., Royersford, Pa.
Safety First Mfg. Co. Washington, D. C.
Strong Homer ("Estes"), Rochester, N. Y.
Stuart R. J. & T. H., New Hamburg, N. Y.
Thomas Flexible Coupling Co. ("Little Giant"), Erie, Pa.
Three Rivers Machine Tool & Die Corp., Phoenix, N. Y.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N. Kostner av, Chicago, Ill.
Western Iron & Foundry Co., Wichita, Kan
Wisconsin Fdry. & Mach. Co. (Line), Madison, Wis.
Witte Engine Works, 16th & Oakland, Kansas City, Mo.
Wolf Co., Chambersburg, Pa.

## 3311—Couplings (Soldering)

Campbell J. B. Brass Works, Erie, Pa.
Exeter Brass Works, Exeter N. H.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie Pa.
Mueller H. Mfg. Co., Decatur, Ill.
Stebbins E. Mfg. Co., Springfield, Mass.

## 3312—Couplings (Sucker Rod)

American Well Works, 112 W Broadway, Aurora, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Rumsey Pump Co. (Ltd.) (Wrought Forged), Box J, Seneca Falls, N. Y.

## 3313— *Couplings (Swivel)

**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Three Rivers Machine Tool & Die Corp., Phoenix, N. Y.

## 3314—Couplings (Universal)

Golden's Foundry & Machine Co., Columbus, Ga.
Norwalk Auto Parts Co., Norwalk, O.
Mesta Machine Co., Box 1124 Pittsburgh, Pa. *See adv index at end of book*
Snead & Co., ft Pine, Jersey City, N. J.

## Couplings (Wire Rope)

See Clamps, Wire Rope

## 3314a—*Covers (Ash & Garbage)

Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y. *See adv index at end of book*

## 3315—Covers (Automobile Radiator)

Allen Auto Specialty Co., 16 W 61st, New York
B. E. Mfg. Co. ("Bemco.."), 18 W 18th, New York
Fesser Frank S. Co. ("Superior"), 1033 Shelby, Indanapolis, Ind.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Gilbert Mfg. Co., New Haven, Conn.
Gordon J. P. Co., Columbus, O.
Kroh C. Z. Mfg. Co., Toledo, O.
Premier Auto Novelty Mfg. Co., 149 Chambers, New York
Sioux City Auto Top Co., Sioux City, Ia.

## 3316— Covers (Barrel)

Bemis Bro. Bag Co. (New & Second Hand) 601 S 4th, St. Louis, Mo.
Eastern Burlap Bag Co., 95 Commerce, Hartford, Conn.
Getz M. & Co., 162 First, San Francisco, Cal.
Monville, Gilles & Co. (Burlap), 127 Catharine, Phila., Pa.
Parks M. H. & Co. ("Gem," "Champion"), Winchendon, Mass.

## 3317-8—Covers (Battery Jar)

American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works, Auburn, N. Y.
Consumers' Rubber Co. ("Euclid"), 829 Superior, Cleveland, O.
Duranoid Mfg. Co., 213 Chestnut, Newark, N. J.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Hemming Mfg. Co., Garfield, N. J.
India Rubber Co., New Brunswick, N. J.
International Insulating Corp., 25 W 45th, New York
Stokes Jos. Rubber Co., Trenton, N. J

## 3319—Covers (Binder, Implement & Stack)

Acme Harvesting Machine Co. ("Acme"), Peoria, Ill.
**ATLANTA TENT & AWNING CO.,** Atlanta, Ga.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Harry O. K. Steel Co. ("O. K. Harry"), 2333 Papin, St. Louis, Mo.
Henry & Allen ("H. & A."), Auburn, N. Y.
Herschel R. Mfg. Co. ("R. H. Mfg. Co.."), Peoria, Ill.
Hettrick Mfg. Co., Toledo, O.
Massey-Harris Harvester Co. ("Johnston"), Batavia, N. Y.
Kretchmer Mfg. Co. (Corrugated Steel), Council Bluffs, Ia.
Sparta Plow Works ("Sparta"), Sparta, Ill.
Whitaker Mfg. Co. ("Perfect Fit"), 409 S Green, Chicago, Ill.

## 3320— Covers (Broom)

Bemis Bro. Bag Co. (Paper, Cotton & Burlap), 601 S 4th, St. Louis, Mo.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Genesee Textile Co. ("Tex-Style," Dustless), Rochester, N. Y.
Harris Bag Co., Caxton bldg, Cleveland, O.
Pioneer Mfg. Co. ("Shino" Chemical), Harvard av & E 103rd, Cleveland, O.

## 3321— Covers (Canvas)

See also Tarpaulins, Wagon Covers, etc. Also Tents, Contractors', etc
**ATLANTA TENT & AWNING CO.,** Atlanta, Ga.
Carpenter Geo. B. Co., 440 North Wells, Chicago, Ill.
Dafoe-Eustice Co. (Waterproof), 1164 W Jefferson, Detroit, Mich.
Daniel C. R., Inc., 115 South, New York
Fulton Bag & Cotton Mills (Boat, etc.), Atlanta, Ga.
Hettrick Mfg. Co., Toledo, O.
**STANLEY, WM. W.** (Plain & Waterproof), 50 Church, New York
Stonbridge C. H. Mfg. Co., 23 Warren, New York
Wyandotte Awning & Tent Co., Kansas City, Kans.

## 3322— Covers (Catch Basin)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Burr Co., Champaign, Ill.
Canton Foundry & Machine Co., Canton, O.
Compound Injector & Specialty Co. ("Dehn's," "Acme"), 419 N Laramie av, Chicago, Ill.
Davies & Thomas Co., Catasauqua, Pa.
Decatur Foundry Co., Decatur, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Duplex Mfg. & Foundry Co., Elyria, O.
Franklin Pipe & Foundry Co., 2438 S Paulina, Chicago, Ill.
Galion Iron Works & Mfg. Co., Galion, O.
Greenwood Mfg. Co. ("Boosey's"), 540 Greenwich, Detroit, Mich.
Hastings Foundry & Iron Works, Hastings, Neb.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Madison Foundry Co. ("Acme"), Cleveland, O.
Motor Castings Co., South Bend, Ind.
Mott J. L. Iron Works, Trenton, N. J.
Standard-Elsmere Granite Co., 1752-56 N Spaulding av., Chicago, Ill.
Stowell Co. The, So Milwaukee, Wis.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Youngstown Foundry & Machine Co., Youngstown, O.

## 3323— Covers (Cistern)

Adams Co., Dubuque, Ia.
American Scale Co., Kansas City, Mo.
Colonial Fireplace Co., 4631 W 12th, Chicago, Ill.
Majestic Co. ("Majestic" Ring & Cover with Drop Handle), Huntington, Ind.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.
Phillips & Buttorff Mfg. Co. (Cast Iron), Nashville, Tenn.
Sperry D. R. & Co., Batavia, Ill.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Wagner Mfg. Co., Sidney, O.
Waterloo Register Co., Waterloo, Ia.

## 3324— Covers (Coal Hole)

American Abrasive Metals Co., 50 Church, New York
American 3-Way Prism Co., La Porte, Ind.
Barber Mfg. Co. (With or Without Glass), Ashtabula, O.
Mansfield Steel Corp., 288 Milwaukee av, East Detroit, Mich.
Burr Co., Champaign, Ill.
Canton Foundry & Machine Co. (Solid & Ventilated), Canton, O.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Columbia Iron & Wire Wks. Co., Canton, O.
Covert H. W. Co., 137 E 46th, New York
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Dauchy Iron Works, 223 W Illinois, Chicago, Ill.
Frantz Mfg. Co., Sterling, Ill.
Hastings Foundry & Iron Works, Hastings, Neb.
Love Bros, Aurora, Ill.
McGuigan John & Co., 142 Stillman, San Francisco, Cal.
McLagon Foundry Co., New Haven, Conn.
Mackinnon Boiler & Machine Co., 218 N Water, Bay City, Mich.
Madison Foundry Co. ("Acme"), Cleveland, O.
Mesker Geo. L. & Co., Evansville, Ind.
Meyers Fred. J. Mfg. Co., Hamilton, O. *See adv index at end of book*
Paxton & Vierling Iron Works, Omaha, Neb.
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn. *See adv index at end of book*

COVERS (COAL HOLE)—continued

Smith F. P. Wire & Iron Works, 2340-48 Clybourn av
*See adv index at end of book*
Sterling Foundry Co., Sterling, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Treaty Co., Greenville, O.
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Vierling Steel Works, 313 W 23rd, Chicago, Ill.

## 3324a— Covers (Crucible)

Braun-Knecht-Hermann Co. (Graphite), 576-584 Mission, San Francisco, Cal.
Dixon Joseph Crucible Co., Jersey City, N. J.
McCullough-Dalzell Crucible Co., 36th & A. V. R. R., Pittsburgh, Pa.
Ohio Pottery Co. (Glazed Lids for "A" Form Crucibles), Zanesville, O.

## 3325— Covers (Dish, Petri)

Ohio Pottery Co ("Ohio"), Zanesville, O.

## 3326— Covers (Dish, Wire)

Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Parker Wire Goods Co., Worcester, Mass.
Wickwire Spencer Steel Corp. ("Natwire"), Worcester, Mass.
*See adv index at end of book*

## 3327— Covers (Horse)

**ATLANTA TENT & AWNING CO., Atlanta, Ga.**
Aronoff Joseph J., Trenton, N. J.
**COUCH BROS. MFG. CO.**, Atlanta, Ga.
Fulton Bag & Cotton Mills ("Shuredry"), Atlanta, Ga.
Hettrick Mfg. Co., Toledo, O.

## 3328—Covers (Hydro-Extractor)

**Firsching John A., Utica, N. Y.**

## 3329—Covers (Laundry Tub)

Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Greason Mfg. Co. ("U N X L D," Galvanized), 108 W 99th, New York
Household Granite Tub Co. ("Ramsdell" Metallic), New Haven, Conn.
Newark Fire Proof Sash & Door Co., 138 Avon av, Newark, N. J.
Shwab Bros. Co. (Galvanized), 811 E 9th, New York

## 3330— Covers (Manhole)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Aylward Sons Co., Neenah, Wis.
Barber Mfg. Co., Ashtabula, O.
Bissell F. Co. ("Security"), Toledo, O.
Bosworth-Ard Machine & Foundry Co. (Frames), Anniston, Ala.
Buckeye Foundry Co., Queen City av & Buck, Cincinnati, O.
Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Burr Co., Champaign, Ill.
Caldwell E. R. & Co., Bradford, Pa.
Canton Foundry & Machine Co., Canton, O.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co., 90 West, New York
Coldwell-Wilcox Co. (Also Pivot), Newburgh, N. Y.
Columbian Iron Works ("Columbian"), Chattanooga, Tenn.
Concord Foundry & Machine Co. (Also Grates & Traps), Concord, N. H.
Cope T. J., 1620 Chancellor, Phila., Pa.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Davies & Thomas Co., Catasauqua, Pa.
Dearborn Foundry Co., 345 W 23rd, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
*See adv index at end of book*
Donley Bros. Co., 3625 E 4th, Cleveland, O. *See adv index at end of book*
Drummond M. J. & Co., 51 Chambers, New York
Duplex Mfg & Foundry Co., Elyria, O.
Enterprise Foundry Co., Rochester, N. Y.
Fagan Iron Works, 14th, Jersey City, N. J.
Frederick Iron & Steel Co., Frederick, Md.
Galena Foundry & Machine Co., Galena, Kan.
Gillie Mach. Co., Tonawanda, N. Y.
Globe Co., Sheboygan, Wis.
Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*
Hassell Iron Works Co., Colorado Springs, Col.
Hastings Foundry & Iron Works, Hastings, Neb.
Hay Foundry & Iron Works, Plum Point la., Newark, N. J.
Hennessey Foundry Co., Springfield, O.
Holbrook-Armstrong Iron Co., Racine, Wis.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Industrial Iron Works, Clinton, Mo.
Iowa Steel & Iron Works, Cedar Rapids, Ia.
Jones W. A. Foundry & Machine Co., 4401 12th, Chicago, Ill.
Kramer Bros. Foundry Co., Dayton, O.
Kuhns Bros., Dayton, O.
Lucey Foundry & Machine Co., Chattanooga, Tenn.
McDonald Foundry, Columbus, O.
Madison Foundry Co. ("Acme"), Cleveland, Ohio
Maher & Flockhart, 76 Polk, Newark, N. J.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Millar Chas. & Son Co., Utica, N. Y.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av., Minneapolis, Minn.
Modern Iron Works, Quincy, Ill.
Morris Elmer P., 136 Liberty, New York
Motor Castings Co., South Bend, Ind.
Munnsville Plow Co., Munnsville, N. Y.
New Brunswick Iron Works, New Brunswick, N. J.
Nordeen Foundry Co., Everett, Wash.
Noyes B. B. Co., Greenfield, Mass.
Over Ewald, Indianapolis, Ind.
Parsons Co., Newton, Ia.
Paxton & Vierling Iron Works, Omaha, Neb.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Rempis & Gallmeyer Foundry Co., Grand Rapids, Mich.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Roanoke Iron Works, Roanoke, Va.
Russell Albert & Sons Co., Newburyport, Mass.
Russell Wheel & Foundry Co., Chene Bl R. R., Detroit, Mich.
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Santa Fe Foundry Co., Richmond, Cal.
S. E. T. Valve & Hydrant Co., 56 Church, New York. *See adv index at end of book*
Sessions Foundry Co. (Subway, etc), Bristol, Conn.
South Bend Fdry. Co., South Bend, Ind.
South Park Foundry & Machine Co., St. Paul, Minn.
Springfield Fdry. Co., Springfield, Mass.
Standard Foundry Co., Buffalo, N. Y.
Stary Frank & Sons, Cedar Rapids, Ia.
Steiger & Kerr Stove & Foundry Co., Folsom & 18th, San Francisco, Cal.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Stuart Foundry Co., 207 Junction, Detroit, Mich.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Thompson J. & Co., Van Horn & Sophia, Phila., Pa.
Toledo Foundry & Machine Co., Toledo, Ohio
Tuscaloosa Iron Works, Tuscaloosa, Ala.
Tyler Underground Heating System, 855 Progress, Pittsburgh, Pa.
United Iron Works Co., Inc., Kansas City, Mo.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Universal Cable Grip Co., Skaneateles, N. Y.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Wagner Mfg. Co., Sidney, O.
Wallace Machine & Foundry Co., Lafayette, Ind.
Wearne Brothers, Omaha, Neb.
Western Iron & Foundry Co., Wichita, Kan
Wilcox Crittenden & Co., Inc., Middletown, Conn.
*See adv index at end of book*
Youngstown Foundry & Machine Co. Youngstown, O.

## 3331— Covers (Nut)

See also Caps, Hub

Erie Metal Products Co. (Pressed Steel), Erie, Pa.
Glauber Brass Mfg. Co. (Nickel Plated), 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*

## 3332—Covers (Paper Shipping)

Acme Paper Co., 52 Elizabeth, New York
Harris Bag Co., Caxton bldg, Cleveland, O.
Herrlinger & Co. (For Buggies), 206 Walnut, Cincinnati, O.
Kennedy Car Liner & Bag Co., Shelbyville, Ind.
Seinsheimer Paper Co., York & McLean, Cincinnati, O.
Thompson & Norris Co., The (Corrugated), 212 Concord, Brooklyn, N. Y.

## 3333— Covers (Pot)

Cassady, Fairbank Mfg. Co. ("Lasher's" Spring Handle), 6126 S La Salle, Chicago, Ill.
Ford Mfg. Co., Newark, N. J.
Kitchen Specialty Mfg. Co., Reading, Pa.
Republic Metal Ware Co., ("New Kink" & "Handi-Hook"), Buffalo, N. Y.
Royal Mfg. Co., 406 Commerce, Phila, Pa.
Troy Stamping Works, Troy, N. Y.

## 3334—Covers (Service Box)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Patterson Mfg. Co. ("Nobolt"), Keystone bldg, Pittsburgh, Pa.

## 3335— Covers (Shoe)

Endura Mfg. Co. ("Duraflex"), 63d & Eastwick av, Phila., Pa.
Rubber Fibre Co. ("Elasto"), 560 First, Boston, Mass.

## 3336— Covers (Shuttle)

Disston Henry & Sons, Tacony, Phila, Pa.

## 3337—Covers (Steering Wheel)

Empire Tire & Rubber Corp. ("Empire"), Trenton, N. J.

## 3338—Covers (Table, Paper)

Archer Tire & Rubber Co. ("Archer" Fabric), 711 15th av N E, Minneapolis, Minn.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Scott Paper Co., Chester, Pa.

## 3339— Covers (Tire)

Allen Auto Specialty Co. ("Allen"), 16 W 61st, New York z
Empire Tire & Rubber Corp., Trenton, N. J.
Gilbert Mfg. Co. ("Gilbert"), New Haven, Conn.
Gordon J. P. Co., Columbus, O.
Kimball Tire Case Co. (Steel), Council Bluffs, Ia.
Martn Auto Specialty Co. ("Martin"), Lancaster, O.
Signalite Mfg. Co. (Steel), 522 S Clinton, Chicago, Ill.

## Covers (Wash Tub)

See Covers, Laundry Tub

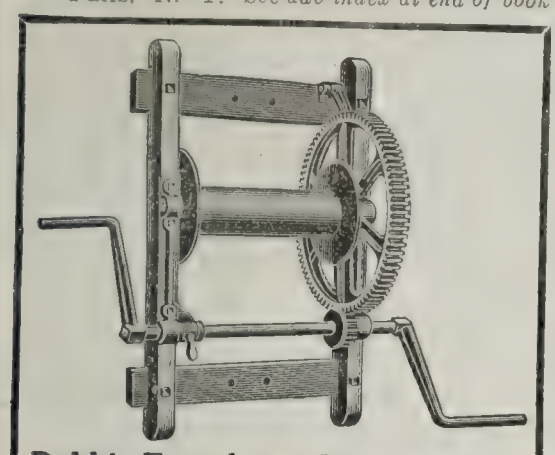
## 3340— Cowls (Chimney)

Mechanicville Specialty Supply Mfg. Co. (Roof), Mechanicville, N. Y.
Pullman Ventilator & Mfg. Co ("Pullman" Ventilating Cowl), York, Pa.
*See adv index at end of book*

## 3341— Crabs (Hoisting)

American Hoist & Derrick Co. (Single & Double Drum), St. Paul, Minn.
Brown Hoisting Machinery Co., 4403 St. Clair N E, Cleveland, O.
Byers John F. Machine Co. (Hook & Chain Stone Crabs, etc), 242 S Sycamore, Ravenna, O. *See adv index at end of book*
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clyde Iron Works, Duluth, Minn.

Dake Engine Co. (Motor Crabs, Operated by Steam, Air, or Electricity), Grand Haven, Mich.
Dempster Mill Mfg. Co., Beatrice, Neb.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*




Galena Iron Works Corp., Galena, Ill.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hess-Martin Iron Works, Portland, Ore.
National Iron Co., Duluth, Minn.
Niles Mine & Mill Supply Co., Cleveland, Ohio
Round D. & Son, Penn R. R. & Henry, Cleveland, O.
United Iron Works Co., Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa. *See adv index at end of book*

## 3342— Crabs (Pole)

English & Mersick Co., New Haven, Conn.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Woodruff Walter W. & Sons Co., Mount Carmel, Conn.

## 3343— Cradles (Children's)

Abbott John G. (Est. of), (Rocking), Antrim, N. H.
Automatic Cradle Mfg. Co. (Self-Swinging), Stevens Point, Wis.
Banner Mfg. Co. (Rocking), Mt. Airy, N. C.
Cream City Bedding Co. (Rocking & Swinging), 3200 Fond du Lac av, Milwaukee, Wis.
Johnson P. (Rocking), 856 W Erie, Chicago, Ill.
Milwaukee Woven Wire Works (Rocking), 3014-20 Clarke, Milwaukee, Wis.
Paige Morton (Rocking & Swinging), Antrim, N. H.
Preuss R. J. Co. (Rocking & Swinging), 388 38th, Milwaukee, Wis.
Simmons Co., 1347 Michigan, Chicago, Ill.
Sussman H. (Rocking & Swinging), 232 E 111th, New York

## 3344— Cradles (Grain)

Andres Jos., Kelso, Ind.
Brinser E. C. Sons, Richmond, Va.
Counts J. C., Prosperity, S. C.
Derby & Ball, Bellows Falls, Vt.
Fuss J. C., Kauffman, Pa.
McGuire B. C. J., Wilmore, Pa.
North Indianapolis Cradle Works, Indianapolis, Ind.
Schwob J. A. Co., Moundsville, W. Va.
Seymour Mfg. Co., Seymour, Ind.
Walck, Henry S., Greencastle, Pa.

## 3345—Crane Controllers (Electric)

Allen-Bradley Co. ("Allen-Bradley"), 286 Greenfield av, Milwaukee, Wis.
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.** (Reversing, for Electric Cranes, Hoists, etc), Cleveland, O. *See adv index at end of book*
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
**MORGAN ENGINEERING CO.**, Alliance, Ohio *See adv index at end of book*
**TOLEDO BRIDGE & CRANE CO.**, 2500 Dorr, Toledo, O. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 3346— Crane Runways

**CHICAGO BRIDGE & IRON WORKS**, (Steel), 2105 Old Colony bldg, Chicago, Ill. *For branch offices see adv index at end of book*
**NORTHERN ENGINEERING WORKS**, 9 Chene, Detroit, Mich. *See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Republic Structural Iron Wks. Co., 1350 E 53d rd, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 3347— Cranes

For Various Kinds of Cranes See Subclassifications following
Advance Engineering Co., Metta av, Cleveland, O.
Alliance Machine Co., Alliance, O.
American Crane & Engineering Co. (Special), Toledo, O.
**ARMINGTON ENGNG. CO.**, Euclid, O. *See adv index at end of book*
Barber-Foster Engineering Co., Swetland bldg, Cleveland, O.
Box Alfred & Co., 813 N Front, Phila., Pa.
Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
Browning Co., E 162d & Waterloo rd, N E, Cleveland, O.
Bucyrus Co., South Milwaukee, Wis.
**BYERS JOHN F. MACHINE CO.**, 242 Sycamore, Ravenna, O.
Carlin John H. Machine Co., Pittsburgh, Pa.
**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O. *See adv index at end of book*
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Curtis & Co. Mfg. Co. (Air), 1571 Kienlen av, St. Louis, Mo.
**DETROIT HOIST & MACHINE CO.**, Detroit, Mich. *See adv index at end of book*
**EUCLID CRANE & HOIST CO.**, Euclid, O. *See adv index at end of book*
Franklin Portable Crane & Hoist Co. ("Franklin"), Franklin, Pa.
Gilbert-Grant Co., Grand Central Terminal, New York *See adv index at end of book*
Hoisting Machinery Co., 50 Church, New York. *See adv index at end of book*
Industrial Works, Bay City, Mich.
Interstate Bridge & Forge & Mfg. Co., 207 Market, Newark, N. J.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O. *See adv index at end of book*
Lakside Bridge & Steel Co., N. Milwaukee, Wis. *See adv index at end of book*
Lane Mfg. Co. ("Anderson" Rope Driven Traveling), Montpelier, Vt.
Lincoln Iron Works, Rutland, Vt.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*
Locomotive Crane Co., Bucyrus, O. *See adv index at end of book*
McMyler-Interstate Co., Bedford, O.
Maris Bros., 56th & Gray's av, Phila., Pa.
Milton S. G. & Son ("Champion"), Franklin, Pa.
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
Morgan Construction Co., Worcester, Mass.
**MORGAN ENGINEERING CO.**, Alliance, Ohio *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
**NORTHERN ENGINEERING WORKS**, ("Northern"), 9 Chene, Detroit, Mich. *See adv index at end of book*
Osgood Co., Marion, O.
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Roeper Crane & Hoist Works, Reading, Pa.
Shaw Electric Crane Co., 119 W 40th, New York
Shriver T. & Co., Harrison, N. J.
Smith, Whitcomb & Cook Co., Barre, Vt.
**SPEIDEL J. G.**, Reading, Pa. *See adv index at end of book*
Terry Edw. F. Mfg. Co. (Shipyard), Grand Central Term., New York
**TOLEDO BRIDGE & CRANE CO.**, 2500 Dorr, Toledo, O. *See adv index at end of book*
**WELLMAN - SEAVER - MORGAN CO.**, Cleveland, O. *See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
William A-Box Iron Works Co., 3309 Blake, Denver, Colo.

## Cranes (Air)

See Cranes, Pneumatic

## 3348— Cranes (Auto Truck)

Gerdes & Co., 42 Church, New York *See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

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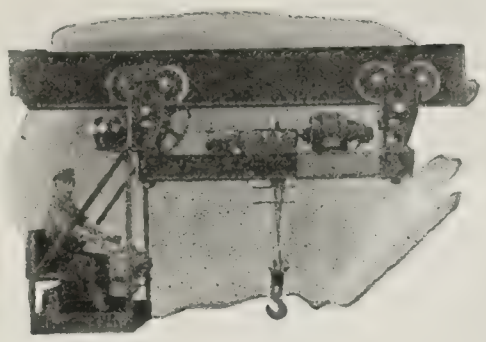

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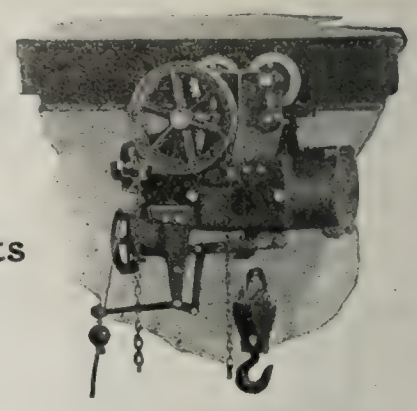
Locomotives, Cars and
Contractors' Equipment



HOISTING MACHINERY COMPANY, 50 Church St., New York Telephone Cortlandt, 1992


## 3349— Cranes (Bracket)

Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
Curtis & Co. Mfg. Co. (Hand or Power), 1571 Kienlen av, St. Louis, Mo.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Hoisting Machy. Co., 50 Church, New York. *See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 3350— Cranes (Bridge)

Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
**DETROIT HOIST & MACHINE CO.**, Detroit, Mich. *See adv index at end of book*

Euclid Crane & Hoist Co., Euclid, O.
*See adv index at end of book*


**GILBERT-GRANT CO.**, Grand Central Terminal, New York
*See adv index at end of book*
Lakeside Bridge & Steel Co., N Milwaukee, Wis.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., **60th & Greenfield av, Milwaukee, Wis.**
**TOLEDO BRIDGE & CRANE CO.**, 2500 Dorr, Toledo, O.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Whiting Foundry Equipment Co., **157th & Halstead, Chicago, Ill.**

## 3350a— Cranes (Bucket)

**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.

## 3351—Cranes (Canning Factory)

Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Zastrow Geo. W. ("Zastrow"), **1410 Thames, Baltimore, Md.**

## 3352— Cranes (Cantilever)

Brown Hoisting Machinery Co., **4403 St. Clair N E Cleveland, O.**
Case Crane & Engineering Co., Columbus, Ohio
**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
**Lakeside Bridge & Steel Co., No. Milwaukee, Wis.**
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
**NORTHERN ENGINEERING WORKS**, 9 Chene, Detroit, Mich.
*See adv index at end of book*
Orton & Steinbrenner Co., 610 S Dearborn, Chicago, Ill.
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
**TOLEDO BRIDGE & CRANE CO.**, 2500 Dorr, Toledo, O.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 3353—Cranes (Charging & Drawing)

Alliance Machine Co., Alliance, O.
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
**MORGAN ENGINEERING CO.**, Alliance, Ohio. *See adv index at end of book*

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To do yard, erection, lumber, construction, pile driving and cargo handling work.

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For use by railroads, industrial plants, contractors, stevedores, steel mills, scrap dealers, mines and all handlers of bulk material.

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BUCYRUS, OHIO

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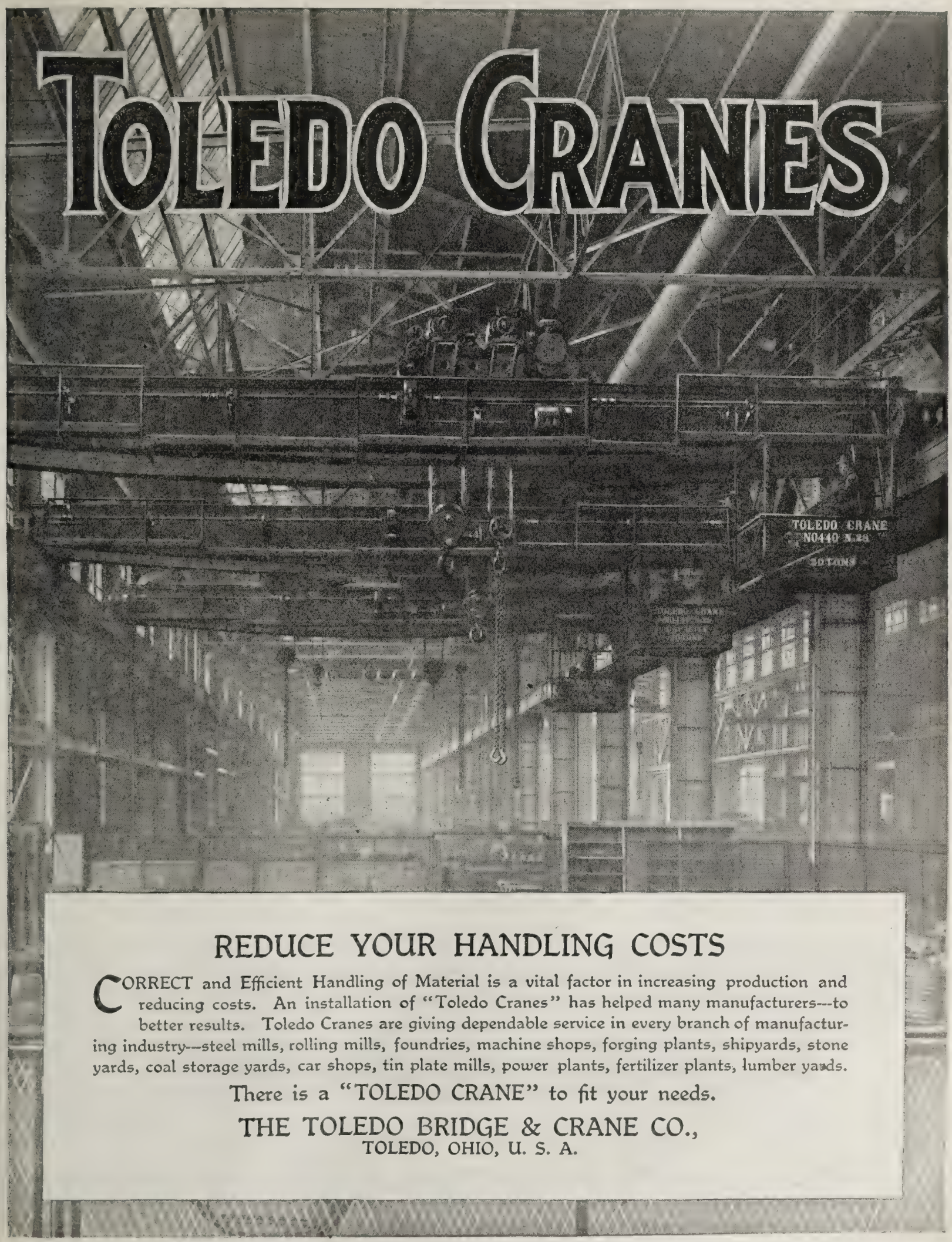


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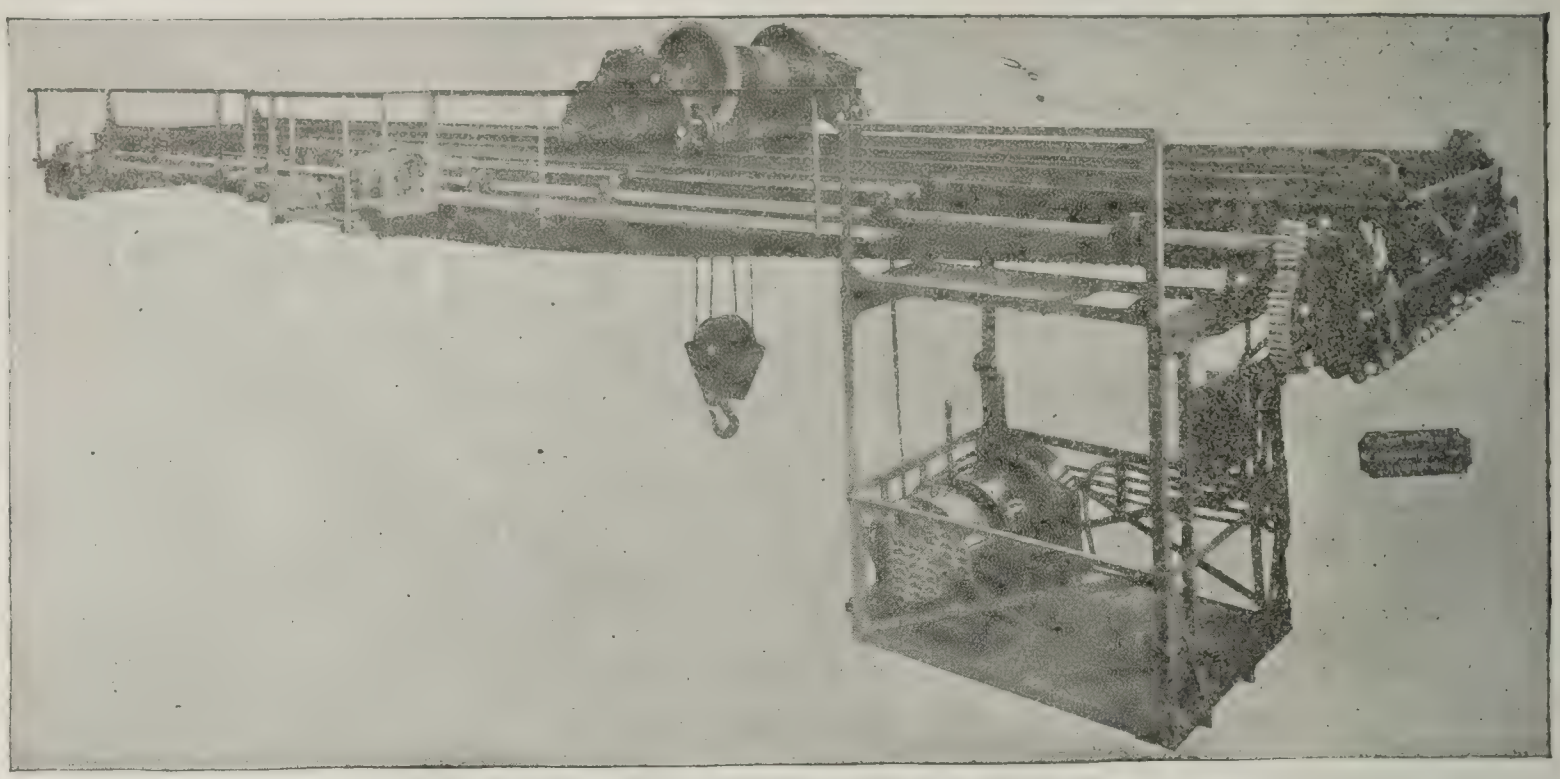

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CRANES (CHARGING & DRAWING)—continued

Pawling & Harnischfeger Co. (Open Hearth, Bloomer & Slag Charging), Milwaukee, Wis.
*See adv index at end of book*

Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 3354—Cranes (Charging & Truing)

Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.

## 3355—Cranes (Concentric Traveling)

Cleveland Crane & Engineering Co., (Circular Runway), Box 152, Wickliffe, O.

Whiting Foundry Equipment Co. (Circular Runway), 157th & Halstead, Chicago, Ill.

## 3355a— Cranes (Coal Storage)

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

Northern Engineering Works, 9 Chene, Detroit, Mich.
***See adv index at end of book***

Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

## 3356— Cranes (Derrick)

Byers John F. Machine Co., 242 Sycamore, Ravena, O.
*See adv index at end of book*

Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.

Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*

Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
*See adv index at end of book*

Lakeside Bridge & Steel Co., No. Milwaukee, Wis.
*See adv index at end of book*

Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*

Lucey Mfg. Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*

Oil Well Supply Co., 215 Water, Pittsburgh, Pa.

Osgood Co., Marion, O.

PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*

Union Tool Co. (For Oil & Gas Wells), Torrance, Cal.

Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

Wilson Machinery Co., 301-331 W 35th, Chicago, Ill.

## 3357— Cranes (Dock)

Bradney Machine Co., Inc. (power operated), Middletown, N. Y.

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HAND POWER TRAVELING CRANES

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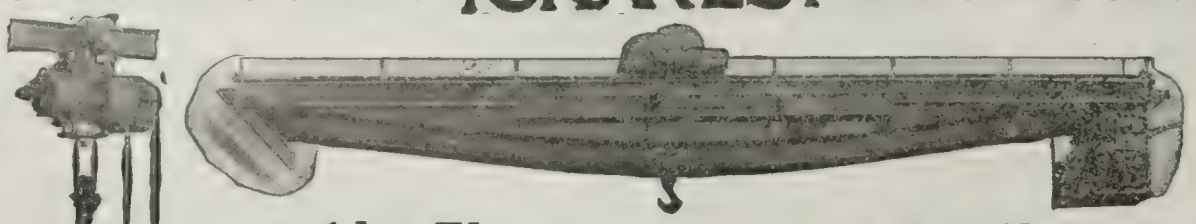

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**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O. *See adv index at end of book*
Gerdes & Co., 42 Church, New York *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Locomotive Crane Co., Bucyrus, O. *See adv index at end of book*
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich. *See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

## 3358—Cranes (Electric Locomotive)

Atlas Cor & Mfg. Co., Cleveland, O. *See adv index at end of book*
**Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.**
**Browning Co., E 162nd & Waterloo rd, N E, Cleveland, O.**
Browning Sommer Adams Co., Cleveland, Ohio *See adv index at end of book*
**BYERS JOHN F. MACHINE CO., 242 Sycamore, Ravenna, O.** *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
**Exeter Machine Works, Pittston, Pa.**
Gerdes & Co., 42 Church, New York *See adv index at end of book*
**Hoisting Machinery Co., 50 Church, New York** *See adv index at end of book*
Industrial Works, Bay City, Mich.
Johnson & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*
**LOCOMOTIVE CRANE CO., THE,** Bucyrus, O. *See adv index at end of book*
Maine Electric Co., Portland, Me.
United States Crane Co., 122 S Michigan av, Chicago, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 3358a—*Cranes (Electric Railway Wrecking)

Locomotive Crane Co., Bucyrus, O. *See adv index at end of book*

## 3359—Cranes (Electric Traveling)

Abell-Howe Co., 332 S Michigan av, Chicago, Ill.
Alliance Machine Co. (Also Electric Jib), Alliance, O.
Barker-Foster Engineering Co., Swetland bldg, Cleveland, O.
Bedford Foundry & Machine Co., Bedford, Ind.
Biggs-Watterson Co., Guardian bldg, Cleveland, O.
Box Alfred & Co., 813 N Front, Phila., Pa.
**BROWNING, SOMMER, ADAMS CO.,** Cleveland, O.; Mansfield, O., & College Point, New York *See adv index at end of book*
Case Crane & Engineering Co., Columbus, O.
**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O. *See adv index at end of book*
Chesapeake Iron Wks., Westport, Baltimore, Md.
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Erie Steel Construction Co., Erie, Pa.
Euclid Crane & Hoist Co., Euclid, O. *See adv index at end of book*

ELECTRIC TRAVELING CRANES
THE EUCLID CRANE & HOIST CO.
EUCLID, OHIO

**GILBERT-GRANT CO.,** Grand Central Terminal, New York *See adv index at end of book*
Green L. A. (Dealer), First Nat'l Bank, Pitts, Pa.
**HOISTING MACHY. CO.,** 50 Church, New York. *See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Johnson & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O. *See adv index at end of book*
Lane Mfg. Co., Montpelier, Vt.
**LOCOMOTIVE CRANE CO.,** Bucyrus, O. *See adv index at end of book*
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
McMyler-Interstate Co., Bedford, O.
**Maris Bros., 56th & Gray's av., Phila., Pa.**
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
**N. J. Fdry. & Mach. Co. ("Delta"), 90 West, New York**
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich. *See adv index at end of book*
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
**READING CHAIN & BLOCK CORP.,** Reading, Pa. *See adv index at end of book*

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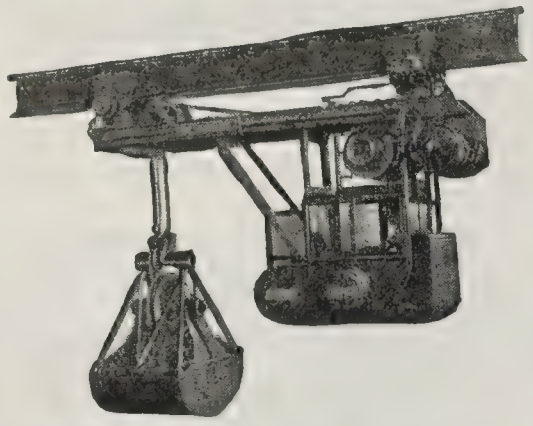
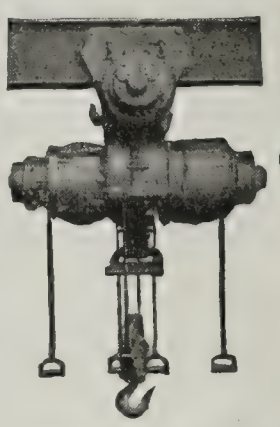


Shepard cage-controlled hoist on I-beam runway, with bucket attachment.

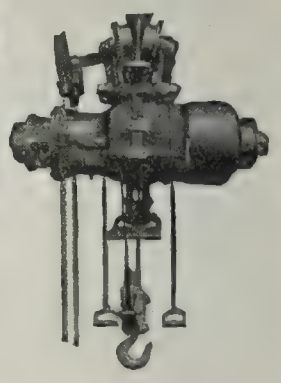
Shepard Electric Hoists are made in capacities of 1 to 30 tons, designed to meet the demand for a type of electric hoisting equipment equally adaptable to both indoor and outdoor service and requiring no unusual degree of skill for either its care or operation.

The hoisting mechanism is of the "unit-construction" type. Electric motor, gearing, hoisting drum and brake are contained within a heavy iron housing that is not only dirt and moisture proof, but safeguards all operating parts from injury. Another important feature is that the operating gears run in oil.

A few types are shown here—a catalog of the complete line upon request. Our engineering service is at your disposal.



Shepard Hoist with geared trolley.



Shepard Hoist with motor-driven trolley.

**Shepard Electric Crane & Hoist Company**
**Montour Falls, N. Y.**

New York Philadelphia Chicago Cleveland San Francisco
Pittsburgh Boston Baltimore Montreal Melbourne London


CRANES (ELECTRIC TRAVELING)—cont.
Roeper Crane & Hoist Works (Floor Controlled), Reading, Pa.
**SCULLY JONES & CO.,** Railway Exchange bldg, Chicago, Ill.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Shaw Electric Crane Co., 119 W 40th, New York
**SHEPARD ELECTRIC CRANE & HOIST Co.** ("Shepard") Montour Falls, N. Y. *See adv index at end of book*
Shriver T. & Co., Harrison, N. J.
Smith, Whitcomb & Cook Co., Barre, Vt.
**TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr, Toledo, O.
*See adv index at end of book*
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Walraven Co., The, 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

### 3360— Cranes (Forge)

Alliance Machine Co., Alliance O.
Case Crane & Engineering Co., Columbus, O.
**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
**Cleveland Crane & Engineering Co., Box** 152, Wickliffe, O.
Euclid Crane & Hoist Co., Euclid, O.
*See adv index at end of book*
**Johnson & Jennings Co. (Electric), Addison rd & N. Y. C. R. R., Cleveland, O.**
*See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
Neumeyer & Dimond ("Demag" Imp), 82 Beaver, New York
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
**TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr, Toledo, O.
*See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

### 3360a— *Cranes (Foundry)

**CHAMPION ENGINEERING CO., THE** ("Champion"), Kenton, O.
*See adv index at end of book*

### 3361— Cranes (Gantry)

Alliance Machine Co., Alliance, O.
American Bridge Co., 30 Church, New York
Baker Iron Works, 912 N Broadway, Los Angeles, Cal.
Box Alfred & Co. (Traveling, etc), 813 N Front, Phila., Pa.
Brown Hoisting Machinery Co., 4403 St. Clair N E, Cleveland, O.

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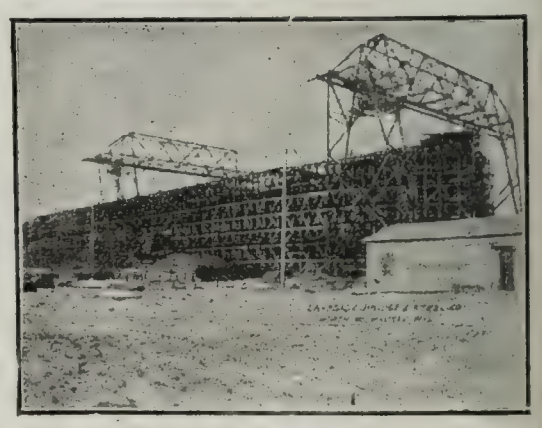

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**Kenton,** **Ohio**

R. W. Valls, Vice Pres. and
Chief Engineer.

# CHAMPION CRANES

CRANES (GANTRY)—continued

Browning, Sommer, Adams Co., 17701 Lake Shore blvd, Cleveland, O.; Mansfield, O., and College Point, New York
*See adv index at end of book*
Case Crane & Engineering Co., Columbus, O.
**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
Cleveland Crane & Engineering Co., **Box** 152, Wickliffe, O.
**Cleveland Punch & Shear Works Co., 3921** St. Clair av, N E, Cleveland, O.
Curtis & Co. Mfg. Co. (Hand or Power), 1571 Kienlen av, St. Louis, Mo.
Gilbert-Grant Co., Grand Central Terminal, New York *See adv index at end of book*
**LAKESIDE BRIDGE & STEEL CO.,** No. Milwaukee, Wis.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
**LOCOMOTIVE CRANE CO.,** Bucyrus, O.
*See adv index at end of book*
McMyler-Interstate Co., Bedford, O.
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Orton & Steinbrenner Co., 610 S Dearborn, Chicago, Ill.
Pawling & Harnischfeger Co., (Electric), Milwaukee, Wis.
*See adv index at end of book*
Russel Wheel & Foundry Co., Chene Bl. R. R., Detroit, Mich.
Shaw Electric Crane Co., 119 W 40th, New York
**TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr, Toledo, O.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
**WELLMAN - SEAVER - MORGAN CO.,** Cleveland, O.
*See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Wood R. D. & Co. (With Hydraulic Hoist & Electric Rotation), 400 Chestnut, Phila., Pa.

## 3361a— *Cranes (Gasoline)

Browning, Sommer, Adams Co., Cleveland, Ohio *See adv index at end of book*

## 3362— Cranes (Grab Bucket)

Byers John F. Machine Co., 242 Sycamore, Ravenna, O.
*See adv index at end of book*
Johnston & Jennings Co., Addison road & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
**LOCOMOTIVE CRANE CO.,** Bucyrus, O.
*See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
**NORTHERN ENGINEERING WKS.,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Pawling & Harneschfeger Co. (Electric), Milwaukee, Wis.
*See adv index at end of book*
**SHEPARD ELECTRIC CRANE & HOIST CO.,** Montour Falls, N. Y.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

## 3363—Cranes (Hand Power)

Alliance Machine Co., Alliance, O.
**ARMINGTON ENGNG. CO.,** Euclid, O.
*See adv index at end of book*
Box Alfred & Co. (Traveling), 813 N Front, Philadelphia, Pa.
Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Case Crane & Eng. Co., Columbus, O.
Channon Jas. H. Mfg. Co. (Jib, Traveling, etc), 227 W Erie, Chicago, Ill.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
**COBURN TROLLEY TRACK MFG. CO.** (And Hand Power Traveling), P. O. Box 127, Holyoke, Mass.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
*See adv index at end of book*
Erie Steel Construction Co., Erie, Pa.
**EUCLID CRANE & HOIST CO.,** Euclid, O.
*See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*
Harrington Edw. Son & Co., 17th & Callowhill, Phila., Pa.
Hoisting Machinery Co., 50 Church, New York. *See adv index at end of book*
Industrial Works, Bay City, Mich.
Johnston & Jennings Co., Addison road & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Lincoln Iron Works (Jib, for Stone Quarries & Stone Mills, etc), Rutland, Vt.
Maris Bros., 56th & Gray's av, Phila, Pa.
Milton S. G. & Son ("Champion"), Franklin, Pa.
Moore Franklin Co., Winsted, Conn.
Morgan Cons. Co. (Traveling), Worcester, Mass.
New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Pawling & Harnischfeger Co. (Traveling), Milwaukee, Wis.
*See adv index at end of book*
**READING CHAIN & BLOCK CORP.,** Reading, Pa.
*See adv index at end of book*
Roeper Crane & Hoist Works (Traveling, etc), Reading, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
St. Cloud Iron Works Co. (Hand Power Traveling), St. Cloud, Minn.
Shaw Electric Crane Co., 119 W 40th, New York
Shriver T. & Co., Harrison, N. J.
**SPEIDEL JOHN G.** (Hand Power Traveling), Reading, Pa.
*See adv index at end of book*
**TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr, Toledo, O.
*See adv index at end of book*
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Whiting Foundry Equipment Co. (Hand Power, Traveling, etc), 157th & Halstead, Chicago, Ill.
William A-Box Iron Works, 230 Blake, Denver, Colo.

## 3364—Cranes (Hand Traveling)

Armington Engng. Co., Euclid, O.
*See adv index at end of book*

**CRANES AND HOISTS**
**Armington Engineering Co.**
EUCLID, OHIO

Baker Iron Works, 912 N Broadway, Los Angeles, Cal.
Box Alfred & Co., 813 N Front, Phila., Pa.
Brown Hoisting Machinery Co. (Overhead), 4403 St. Clair, N E, Cleveland, O.
Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Case Crane & Engineering Co., Columbus, O.
Chisholm-Moore Mfg. Co. (Chain), 5046 Lakeside, Cleveland, O.
**COBURN TROLLEY TRACK MFG. CO.,** ("Coburn"), P. O. Box 127, Holyoke, Mass.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
*See adv index at end of book*
Euclid Crane & Hoist Co., Euclid, O.
*See adv index at end of book*
**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*
Harrington Edw. Son & Co. (Chain), 17th & Callowhill, Phila., Pa.
**HOISTING MACHINERY CO.,** 50 Church, New York. *See adv index at end of book*
Johnston & Jennings Co., Addison road & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
N. J. Fdry. & Mach. Co., 90 West, New York
Roeper Crane & Hoist Works, Reading, Pa.
**SPEIDEL JNO. G.,** Reading, Pa.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Wright Mfg. Co., Lisbon, O.
Yale & Towne Mfg. Co. (Chain), 9 E 40th, New York

## 3364a— *Cranes (Hoist)

Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

## 3365— Cranes (Hydraulic)

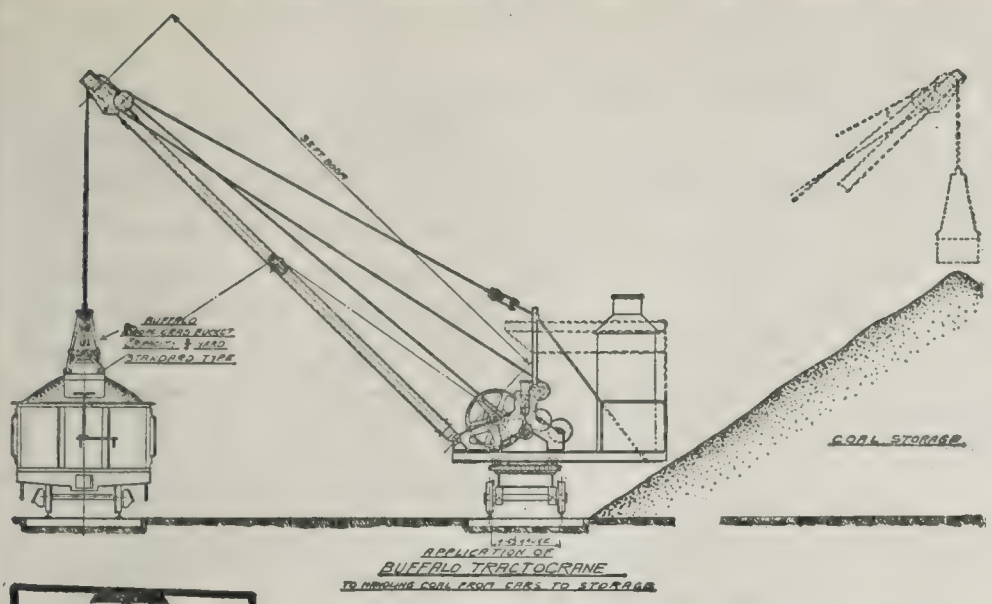
Chambersburg Eng. Co. (Radical or Traveling), Chambersburg, Pa.
Morgan Const. Co., Worcester, Mass.
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
Ridgway Craig & Son Co., Coatesville, Pa.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Whiting Foundry Equipment Co. (Pneumatic, Electric & Hand Power), 157th & Halstead, Chicago, Ill.
Wood R. D. & Co. (Jib, Bracket, Tower, etc), 400 Chestnut, Phila., Pa.
Wood Wm. H., Media, Pa.
Zastrow Geo. W. (For Packing Houses), 1410 Thames, Baltimore, Md.

## 3366—Cranes (Ingot Stripping)

Alliance Machine Co., Alliance, O.
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
Pawling & Harnnschfeger Co., Milwaukee, Wis. *See adv index at end of book*

## 3367— Cranes (Jib)

Alliance Machine Co. (Hydraulic & Electric), Alliance, O.
**ARMINGTON ENGNG. CO.,** Euclid, O.
*See adv index at end of book*
Baker Iron Works, 912 N Broadway, Los Angeles, Cal.
Box Alfred & Co., 813 N Front, Phila., Pa.
Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
Case Crane & Engineering Co. (Belt, Hand Power & Electric), Columbus, O.
Channon Jas. H. Mfg. Co. (Hand Power), 227 W Erie, Chicago, Ill.
Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.
Curtis & Co. Mfg. Co. (For Hand or Power Over & Under Braced), 1571 Kienlen av, St. Louis, Mo.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Dobbie Foundry & Machine Co. Niagara Falls, N. Y.
*See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*
Hoisting Machy. Co., 50 Church, New York
*See adv index at end of book*

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*See adv index at end of book*

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

McMyler-Interstate Co., Bedford, O.

Maris Bros., 56th & Gray's av, Phila., Pa.

Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.

Morgan Construction Co., Worcester, Mass.

**MORGAN ENGINEERING CO.** (For Rolling Mills, etc), Alliance, O.
*See adv index at end of book*

New Jersey Foundry & Machine Co. ("Delta"), (Walking, etc), 89 West, New York

Niles-Bement-Pond Co., 111 B'way, New York

**NORTHERN ENGINEERING WORKS** (Electric, Hand & Pneumatic), 9 Chene, Detroit, Mich.
*See adv index at end of book*

Pawling & Harnischfeger Co. (Electric, Stationary, Traveling & Traveling Wall), Milwaukee, Wis.
*See adv index at end of book*

Production Engineering Co., 1716 Spring Garden, Phila., Pa.

Ridgway Craig & Son Co., Coatesville, Pa.

Shaw Electric Crane Co., 119 W 40th, New York

**SHEPARD ELECTRIC CRANE & HOIST CO.,** Montour Falls, N. Y.
*See adv index at end of book*

Southwark Foundry & Machine Co., 430 Washington av, Phila, Pa.

Speidel J. G., Reading, Pa.
*See adv index at end of book*

Stolz Jos. & Son, Inc., 841 E 136th, New York

Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

Whitehead & Kales Iron Works, Bucher & M. C. RR., Detroit, Mich.

William A-Box Works Co., 3309 Blake, Denver, Colo.

## 3368—Cranes (Jib, Electric Walking)

**Case Crane & Engineering Co., Columbus, O.**

Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*

Dillon-Box Iron Works Co., Denver, Colo.

Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*

**TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr, Toledo, O.
*See adv index at end of book*

Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 3369— Cranes (Ladle)

**Alliance Machine Co. (Electric), Alliance, O.**

Armington Engng. Co., Euclid, O.
*See adv index at end of book*

**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*

**Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.**

**MORGAN ENGINEERING CO.** (Electric), Alliance, O. *See adv index at end of book*

**NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich.**
*See adv index at end of book*

Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*

**TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr, Toledo, O.
*See adv index at end of book*

Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

William A-Box Works Co., 3309 Blake, Denver, Colo.

## 3370— Cranes (Locomotive)

American Crane & Engineering Co., Toledo, O.

**American Hoist & Derrick Co., St. Paul, Minn.**

Bradney Machine Co., Inc. (Light), Middletown, N. Y.

**Brown Hoisting Machinery Co. ("Brownhoist"), 4403 St. Clair, N E, Cleveland, O.**

**Browning Co., E 162d & Waterloo rd, N E, Cleveland, O.**

**BROWNING, SOMMER, ADAMS CO.,** Cleveland, O.; Mansfield, O., & College Point, New York
*See adv index at end of book*

Bucyrus Co., So. Milwaukee, Wis.

Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y.
*See adv index at end of book*

**BYERS JOHN F. MACHINE CO.,** 242 S Sycamore, Ravenna, O.
*See adv index at end of book*

**Davenport Locomotive Works, Davenport, Iowa**

Dunkle Arthur J. Co., 50 Church, New York

Exeter Machine Works (With Grab Buckets, etc), Pittston, Pa.

**Fairbanks, Morse & Co. ("Sheffield" Water), 900 S Wabash av, Chicago, Ill.**

Gerdes & Co., 42 Church, New York
*See adv index at end of book*

Green L. A., First Nat'l Bank bldg, Pittsburgh, Pa.

Hoisting Machy. Co., 50 Church, New York
*See adv index at end of book*

Industrial Works (Electric, Gasoline & Steam), Bay City, Mich.

**KLEINHANS H. CO.** (Second Hand), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*

When writing to firms whose names appear in this book please mention HENDRICKS' COMMERCIAL REGISTER.

CRANES (LOCOMOTIVE)—continued

**LINK-BELT CO.** (Steam & Electric), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*


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LOCOMOTIVE CRANES

The Link-Belt "Built for Service" rane is the most easily operated, simple and durable crane on the market. Saves from 20 to 30 men.

*Send for catalog No. 370*

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Offices in Principal Cities


**LOCOMOTIVE CRANE CO.,** Bucyrus, O.
*See adv index at end of book*
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
McMyler-Interstate Co., Bedford, O.
**MACHINERY SALES CO.** Old Colony bldg, Chicago, Ill.
Main Electric Co. (Electric), 361 E Morrison, Portland, Ore.


Moore Bros
REBUILT MACHINERY
30 So. La Salle St., Chicago, Ill.


Orton & Steinbrenner Co., 610 S Dearborn, Chicago, Ill.
Osgood Co., Marion, O.
U. S. Crane Co. (Electric, Steam & Gasoline), 122 S Michigan av, Chicago, Ill.
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 3371— Cranes (Locomotive, Steam)

Browning, Sommer, Adams Co., Cleveland, Ohio *See adv index at end of book*
Byers John F. Machine Co., 242 Sycamore, Ravenna, O. *See adv index at end of book*
Hoisting Machy. Co., 50 Church, New York
*See adv index at end of book*
**LINK-BELT CO.** (Steam & Electric), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
**LOCOMOTIVE CRANE CO.,** Bucyrus, O.
*See adv index at end of book*
Vaugh Machinery Co., Cuyahoga Falls, O.
*See adv index at end of book*

## 3372— Cranes (Logging)

**Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.**
Byers John F. Machine Co., 242 Sycamore, Ravena, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Industrial Works, Bay City, Mich.
**LINK-BELT CO., 39th & Stewart av, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.**
*See adv index at end of book*
**Locomotive Crane Co., Bucyrus, O.**
*See adv index at end of book*
**Phoenix Mfg. Co. (Direct Acting Steam), Eau Claire, Wis.**
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

## 3373— Cranes (Mail)

**Columbian Mail Crane Co. ("Columbian" Mail), Columbus, O.**

## 3373a— Cranes (Mill Type)

**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

## 3373b— Cranes (Overhead Electric)

**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
Baker Iron Works, 912 N Broadway, Los Angeles, Cal.
Northern Engineering Works, 9 Chene, Detroit, Mich.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

## 3374— Cranes (Pillar)

**Alliance Machine Co., Alliance, O.**
American Crane & Engineering Co., Toledo, O.
**Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.**
**Case Crane & Engineering Co., Columbus, O.**
**Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.**
**Curtis & Co. Mfg. Co., 1571 Keinlen av, St. Louis, Mo.**
**Farrel Foundry & Machine Co., Ansonia, Conn.**
**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*
**Industrial Works (Pillar & Transfer for Use in Handling Freight), Bay City, Mich.**
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
**McMyler-Interstate Co., Bedford, O.**
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
**MORGAN ENGINEERING CO.,** Alliance O. *See adv index at end of book*
**NORTHERN ENGINEERING WORKS, 9** Chene, Detroit, Mich.
*See adv index at end of book*
**Pawling & Harnischfeger Co., (Electric Jib), Milwaukee, Wis.**
*See adv index at end of book*
Speidel J. G., Reading, Pa.
*See adv index at end of book*
**Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.**

## 3375— Cranes (Pit)

**Curtis & Co. Mfg. Co., 1571 Kienlen av. St. Louis, Mo.**

## 3376— Cranes (Pneumatic)

**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th
*See adv index at end of book*
Curtis & Co. Mfg. Co. ("Curtis" Traveling, etc.), 1551 Kienlen av, St. Louis, Mo.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS, 9** Chene, Detroit, Mich.
*See adv index at end of book*
Ridgway, Craig & Son Co., Coatesville, Pa.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Vaughn Machinery Co. (For Wire Mill Cleaning, House & Annealing), Cuyahoga Falls, O.
*See adv index at end of book*
Whiting Foundry Equipment Co. (Also Pneumatic Riveting), 157th & Halstead, Chicago, Ill.

## 3377— Cranes (Portable)

Abell-Howe Co., 332 S Michigan av, Chicago, Ill.
Brown Hoisting Machinery Co., 4403 St Clair, N E, Cleveland, O.
Byers John F. Machine Co., 242 Sycamore, Ravenna, O. *See adv index at end of book*
Canton Foundry & Machine Co. ("Canton" Portable Floor Crane & Hoist), Canton, O.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Euclid Crane Hoist Co., Euclid, O.
*See adv index at end of book*
Franklin Portable Crane & Hoist Co. ("Franklin," All Iron on Wheels), Franklin, Pa.
**GERDES & CO.,** 42 Church, New York
*See adv index at end of book*


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**GILBERT-GRANT CO.,** Grand Central Terminal, New York
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**Lafayette Engineering Co., Lafayette, Ind.**
**Locomotive Crane Co., Bucyrus, O.**
*See adv index at end of book*
Milton S. G. & Son ("Champion" Portable Crane & Hoist), Franklin, Pa.
**New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York**
**Pull-U-Out Products Co., 1627 Locust, St. Louis, Mo.**
Round D. & Son., Penn R. R. & Henry, Cleveland, O.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
United Engine & Mfg. Co. ("Manley Hilite"), Hanover, Pa.
**Zeig F. B. Mfg. Co. ("Panama" on Wheels), Fredericktown, O.**

## 3377a— Cranes (Portable Shop)

Bradney Machin Co., Inc., Middletown, N. Y.
**Cameron Engineering Co., E Stroudsburg, Pa.**
**Dopp J. W. & Co. (Dealers), 18 W Columbia, Detroit, Mich.**
Gerdes & Co., 42 Church, New York
*See adv index at end of book*

## Cranes (Railroad)

See Cranes, Wrecking

## 3378—*Cranes (Railroad Types)

Northern Engineering Works, 9 Chene, Detroit, Mich.
*See adv index at end of book*

## 3378a— Cranes (Revolving)

Gerdes & Co., 42 Church, New York
*See adv index at end of book*

## 3379— Cranes (Riveting)

Alliance Machine Co., Alliance, O.
Case Crane & Engineering Co., Columbus, O.
**MORGAN ENGINEERING CO.** (Electric, etc), Alliance, O.
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS, 9** Chene, Detroit, Mich.
*See adv index at end of book*
Whiting Foundry Equipment Co. (Pneumatinc, etc), 157th & Halstead, Chicago, Ill.

## 3379a—*Cranes (Roundhouse-Patented)

**CHAMPION ENGINEERING CO., THE** ("Champion"), Kenton, O.
*See adv index at end of book*

## 3379b—Cranes (Self-Compensating)

Gerdes & Co., 42 Church, New York
*See adv index at end of book*

## 3379c— *Cranes (Shipyard)

**CHAMPION ENGINEERING CO., THE** ("Champion"), Kenton, O.
*See adv index at end of book*

## 3380— Cranes (Soaking Pit)

Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
**Morgan Engineering Co, Alliance, O.**
*See adv index at end of book*

## 3380a— *Cranes (Stacking)

Northern Engineering Works, 9 Chene, Detroit, Mich.
*See adv index at end of book*

## 3380b—*Cranes (Sugar House)

**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
**FULTON IRON WORKS CO.,** St. Louis, Mo. *See adv index at end of book*

## 3381— Cranes (Top Braced)

**Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.**
Euclid Crane & Hoist Co., Euclid, O.
*See adv index at end of book*

## 3382—*Cranes (Tower Riveting)

**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*

## 3383— Cranes (Transfer)

Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
Byers John F. Machine Co., 242 Sycamore, Ravenna, O. *See adv index at end of book*
Case Crane & Engineering Co., Columbus, O.
**Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.**
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
**EUCLID CRANE & HOIST CO.,** Euclid, O.
*See adv index at end of book*
**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*
Industrial Works (For Station Use in Handling Freight), Bay City, Mich.
**LAKESIDE BRIDGE & STEEL CO.,** No. Milwaukee, Wis.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
New Jersey Foundry & Machine Co. 89 West, New York
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
Roeper Crane & Hoist Works, Reading, Pa.
Shaw Electric Crane Co., 119 W 40, New York
**SHEPARD ELECTRIC CRANE & HOIST CO.,** Montour Falls, N. Y.
*See adv index at end of book*
Speidel John G., Reading, Pa.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
**TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr, Toledo, O.
*See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 3384— Cranes (Traveling)

See also Cranes, Electric Traveling
Armington Engng. Co., Euclid, O.
*See adv index at end of book*
**Baker Iron Works, Los Angeles, Cal.**
Box Alfred & Co. (Hand & Power), 813 N Front, Phila., Pa.
Blethen Hugh R., 21 Park row, New York
Brown Hoisting Machinery Co., 4403 St Clair, N E, Cleveland, O.
Case Crane & Engineering Co., Columbus, O.
**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
**Cleveland Crane & Engineering Co., Box 152, Wickliffe, O.**
**Cleveland Punch & Shear Works Co. (Electric), 3921 St. Clair av, N E. Cleveland, O.**
**COBURN TROLLEY TRACK MFG. CO** (Hand Power), P. O. Box 127, Holyoke, Mass.
Curtis & Co. Mfg. Co. (For Hand or Pneumatic Power), 1571 Kienlen av, St Louis, Mo.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Euclid Crane & Hoist Co. (Electric), Euclid, O. *See adv index at end of book*

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Exeter Machine Works, Pittston, Pa
**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*
**Granite City Iron Works Co. (Steel), St. Cloud, Minn.**
**Harrington Edwin Son & Co. (Hand), 17th & Callowhill, Phila., Pa.**
Hoisting Machinery Co., 50 Church, New York *See adv index at end of book*
**Johnston & Jennings Co., (Hand Power), Addison rd & N. Y. C. R. R., Cleveland, O.**
*See adv index at end of book*
Lakeside Bridge & Steel Co., No. Milwaukee, Wis.
*See adv index at end of book*
Lane Mfg. Co. ("Anderson" Rope Driven), Montpelier, Vt
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
**LOCOMOTIVE CRANE CO.,** Bucyrus, O.
*See adv index at end of book*
Morgan Construction Co., Worcester, Mass.
**MORGAN ENGINEERING CO.** (Electric), Alliance, O. *See adv index at end of book*
**New Albany Machine Mfg. Co. (Single Motor, Electric), New Albany, Ind.**
New Jersey Foundry & Machine Co. 89 West, New York
**NORTHERN ENGINEERING WORKS** (Electric & Hand), 9 Chene, Detroit, Mich. *See adv index at end of book*
Osgood Co., Marion, O.
**Pawling & Harnischfeger Co. (Electric & Hand Power), Milwaukee, Wis.**
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Roeper Crane & Hoist Works (Hand Power), Reading, Pa.
**Sasgen Derrick Co. ("Sasgen" Hand Power for Stone Yards Laying, Sewer Pipe, etc), 3101 W Grand av, Chicago, Ill.**
**Shaw Electric Crane Co. (Electric), 119 W 40, New York**
**Shriver T. & Co. (Electric, etc), Harrison, N. J.**
**SPEIDEL JOHN G. (Hand Power), Reading, Pa.** *See adv index at end of book*
**TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr, Toledo, O.
*See adv index at end of book*
**Whitehead & Kales Iron Works (Hand), Beecher & M. C. RR, Detroit, Mich.**
William A-Box Iron Works Co., 3309 Blake, Dener, Colo.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

## 3385— Cranes (Truck)

Baker Iron Works, 912 N Broadway, Los Angeles, Cal.
Byers John F. Machine Co., 242 Sycamore, Ravenna, O.
*See adv index at end of book*
Gerdes Co., 42 Church, New York.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.

## 3385a— *Cranes (Wall)

**CHAMPION ENGINEERING CO., THE** ("Champion"), Kenton, O.
*See adv index at end of book*

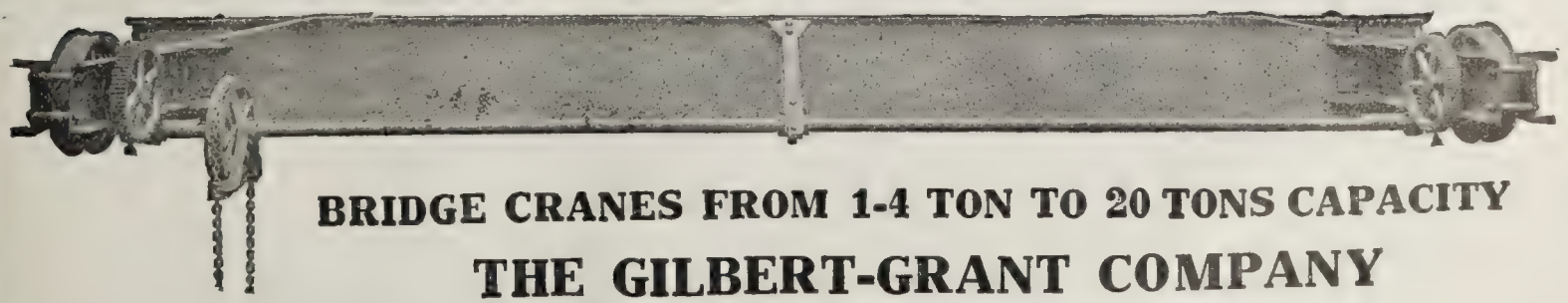
## 3386—Cranes (Water, For Sprinkling Wagons)

Eddy Valve Co., Waterford, N. Y.
Ludlow Valve Mfg. Co. (For Sprinkling Carts, etc), ft of Adams, Troy, N. Y.

## 3387—Cranes (Water, Locomotive)

See also Water Columns or Stations, Railroad
American Valve & Meter Co. ("Poage's" Automatic), Cincinnati, O.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*

CRANES—HOISTS—WINCHES



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U. S. Wind Engine & Pump Co., Batavia, Ill.

## 3387a— *Cranes (Wharf)

**CHAMPION ENGINEERING CO., THE** ("Champion"), Kenton, O.
*See adv index at end of book*

## 3388— Cranes (Wrecking)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Browning Co., E. 162nd & Waterlool rd, N E, Cleveland, O.
Bucyrus Co., South Milwaukee, Wis.
**CHAMPION ENGINEERING CO.** ("Champion"), Kenton, O.
*See adv index at end of book*
Industrial Works (Electric, Steam & Hand Power), Bay City, Mich.
**LOCOMOTIVE CRANE CO.,** Bucyrus, O.
*See adv index at end of book*
Milwaukee Electric Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Shaw Elec. Crane Co., 119 W 40th, New York

## 3389—Crank Turning Device

Hill-Standard Mfg. Co. ("Hill"), Anderson, Ind.

## 3390— Cranks (Auger)

Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Hubbard & Co., Pittsburgh, Pa.

## 3391— Cranks (Ball)

Cincinnati Ball Crank Co. (Steel), North Oakley, Cincinnati, O.
Cincinati Screw Co., Twightwee, Cincinnati, O.

## 3392— Crankshafts

See also Crankshafts, Gas Engine; also Crankshafts, Automobile; also Forgings, Various Kinds
Alexander & Cox Co. (Finished), 2358 Ogden, Chicago, Ill.
Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Forge Works, Denver, Colo.
Atlas Drop Forge Co., Lansing, Mich.
Bay City Forge Co. (Smooth Forged, Finished or Semi-Finished), 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co. (Nickel Steel, etc), South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co. (Cast Steel), Birdsboro, Pa.
Bonney-Floyd Co. (Cast Steel), Columbus, O.
Boston Forge Co., E. Boston, Mass.
Braeburn Steel Co. (Steel), Braeburn, Pa.
Brylgon Steel Casting Co. (Cast Steel), New Castle, Del.
Cambria Steel Co. (Steel), Widener bldg, Phila., Pa.
Canton Drop Forging & Mfg. Co., Canton, Ohio
Carbon Steel Co. (Nickel, Steel, etc), ft 32d, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Chester Steel Castings Co. (Cast Steel), Chester, Pa., & 407 Sansom, Phila., Pa.
Crucible Steel Co. of America (Forged & Rough Turned), Oliver bldg, Pittsburgh, Pa.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Ellwood City Forge Co., Ellwood City, Pa.
Erie Forge Co., Erie, Pa.
General Drop Forge Co., Buffalo, N. Y.
Gill P. H. & Sons (Finished), 2 Lorraine, Brooklyn, N. Y.
The Hammond Steel Co., Inc., Solvay, N. Y.
Helmbacher Forge and Rolling Mills Co., Syndicate Trust bldg, St. Louis, Mo.
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
Jackson Motor Shaft Co., Jackson, Mich.
Kropp Forge Co., 2512 W 21st, Chicago, Ill.
Ladish Drop Forge Co. (Finished & Unfinished), Cudahy, Wis.
Lake Erie Forge & Machine Co., Cleveland, O.
Lansing Forge Co., Lansing, Mich.
**LEARD, WILLIAM,** 16th & 5th av, New Brighton, Pa.
*See adv index at end of book*
Leitelt Adolph Iron Works, Grand Rapids, Mich.
Leland-Gifford Co., Worcester, Mass.
McInnes Steel Co., Ltd. (Hammered Steel Forgings), Corry, Pa.
Metal & Thermit Corp. (Repairs by Thermit Welding), 120 B'way, New York
*See adv index at end of book*
Michigan Crank Shaft Co., Lansing, Mich.
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
National Forge & Tool Co., Irvine, Pa.
Page, Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa. *See adv index at end of book*
Pennington Geo. W. Sons, 1699 Montgomery, San Francisco, Cal.
Pennsylvania Forge Co., Jenks & Bath, Phila, Pa.
Philadelphia Steel & Forge Co., 50 Church, New York
Pollak Steel Co. (Power Pressed), Carthage, Cincinnati, O.
Reading Iron Co., Reading, Pa.
Richmond Forgings Corporation (Drop Forged), Richmond, Va.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Gauge Steel Co. (Finished to Order Only), Beaver Falls, Pa.
Sundberg Co., 1024 W Kinzie, Chicago, Ill.
Thurlow Steel Works, Chester, Pa.
Tindel Morris Co. (Steam Forgings, Gas Engine Shaft, Finished Ready for Installation), Eddystone, Pa.
Titusville Forge Co. (Centre Throw), Titusville, Pa.
Transue & Williams Steel Forging Corp., Alliance, O.
Union Drop Forge Co. (Drop Forged Weldless), 358 W Grand av, Chicago, Ill.
Vulcan Iron Works, Wilkes-Barre, Pa.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Western Tool & Forge Co., Brackenridge, Pa.
Williams J. H. & Co. (Airplane, Automobile & Gas Engine Forgings), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Wyman-Gordon Co. (Drop Forged), Worcester, Mass.

## 3393—Crankshafts (Automobile)

See also Crankshafts; also Forgings, Drop
Alexander & Cox Co., 2358 Ogden, Chicago, Ill.
American Forge Works, Denver, Colo.
Anderson Forge & Machine Co., Detroit, Mich.
Atlas Drop Forge Co., Lansing, Mich.
Atlas Mfg. Co., Fostoria, O.
Barnett Drop Forging Co., East Hampton, Mass.
Billings & Spencer Co. ("B & S"), Hartford, Conn.
Canton Drop Forging & Mfg. Co., Canton, Ohio
Chicago Steel Foundry Co., 3701 S Kedzie av, Chicago, Ill.
Cleveland Hardware Co., Lakeside av & E
Detroit Forging Co., 120 Mount Elliot av., Detroit, Mich.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Erie Forge Co. (Drop Forge), Erie, Pa.
Frost Gear & Forge Co., Jackson, Mich.
General Drop Forge Co., Buffalo, N. Y.
Gill P. H. & Sons Co., 2 Lorraine, Brooklyn, N. Y.
Joliet Forge Co., Joliet, Ill.
Krefeld Steel Co. (Imported), 50 Church, New York
Ladish Drop Forge Co., Cudahy, Wis.
Lauer Jno. Machine Co., 110 St. Antoine, Detroit, Wis.
Leard, Wm. Co., 16th & 5th av, New Brighton, Pa. *See adv index at end of book*
Leland-Gifford Co., Worcester, Mass.
Michigan Crank Shaft Co., Lansing, Mich.
Moffat H. R. & J., Waterbury, Conn.
Muskegon Motor Specialties Co., Muskegon, Mich.
National Engineering Co., Saginaw, Mich.
Page Storms Drop Forge Co., Chicopee, Mass.
Park Drop Forge Co. (Steel), 760 E. 79th, Cleveland, O.
Peninsular Aoa Parts Co., 46 E. Lafayette, Detroit, Mich.
Pennington Geo. W. Sons, 1699 Montgomery, San Francisco, Cal.
Redmond Engineering Co., Drexel bldg, Phila., Pa.
Rhineland Machine Works Co. (Imported), 1737 B'way, New York
Richmond Forgings Corp., Richmond, Va.
Standard Gauge Steel Co., Beaver Falls, Pa.
Sundberg Co., 1024 W Kinzie, Chicago, Ill.
Tindel Morris Co., Eddystone, Pa.
Transue & Williams Steel Forging Corp., Alliance, O.
Union Switch & Signal Co., Swissvale, Pa.
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## 3394—Crankshafts (Gas Engine)

See also Crankshafts: also Forgings, Various Kinds
American Forge Works, Denver, Col.
Anderson Forge & Machine Co., Detroit, Mich.
Atlas Drop Forge Co., Lansing, Mich.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
**Driggs-Seabury Ordnance Co., Sharon, Pa.**
Erie Forge Co., Erie, Pa.
Ladish Drop Forge Co., Cudahy, Wis.
Lake Erie Forge & Machine Co., Cleveland, O.
Lakeside Forge Co., Erie, Pa. *See adv index at end of book*
Lauer Jno. Machine Co., 110 St. Antoine, Detroit, Mich.
Leard, Wm. Co., New Brighton, Pa. *See adv index at end of book.*
Page Storms Drop Forge Co., Chicopee, Mass.
Park Drop Forge Co., 760 E. 79th, Cleveland, O.
Rockford Drop Forge Co., Rockford, Ill.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Gauge Steel Co., Beaver Falls, Pa.
Tindel Morris Co. (Finished), Eddystone, Pa.
Titusville Forge Co. (Also Corliss & Diesel Engines), Titusville, Pa.
Union Drop Forge Co. (Drop Forged Weldless), 368 W Grand av, Chicago, Ill.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Williams J. H. & Co. (Forgings), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 3395— Crates

Bacon & Co. (Bushel), Gasport, N. Y.
Beach & Fuller Co. (Vegetable), Evansville, Ind.
**Beaufort Veneer & Package Co. (Cabbage), Beaufort, S. C.**
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Berkley Box & Tumbler Co. Inc, Norfolk, Va.
Blodgett Lumber Co., Suncook, N. H.
Carbo Steel Products Co., 2600 W. 111th Morgan Park Station, Chicago, Ill.
**Chicago Mill & Lumber Co., 111 W Washington, Chicago, Ill.**
Defiance Box Co. (Pottery), Defiance, Ohio
Dodge & Bliss Co., W End, Jersey City, N. J.
Ellis E. W. Lbr. Co., Grand Rapids, Wis.
**Forrester-Nace Box Co., 80 Wyoming, Kansas City, Mo.**
Kalamazoo Tank & Silo Co. (Bushel), Kalamazoo, Mich.
Krause C. H. Lbr. Co., Antigo, Wis.
Lowell Building & Supply Co., Lowell, Ohio
Montgomery Bros. & Co., Buffalo, N. Y.
Morrison Frank (Apple), Marion, N. Y.
Odell & Eddy Co. (Celery), Chaffee, N. Y.
Owosso Mfg. Co., Owosso, Mich.
Pelican Box Factory, Miro & Julia, New Orleans, La.
Pierpont Mfg. Co. (Fruit & Vegetable), Savannah, Ga.
Planters Mfg. Co., Portsmouth, Va.
Reed Evan L. Mfg. Co. (Shipping Folding), Sterling, Ill.
Richards O. S. Inc., 87 34th, B'klyn, N. Y.
Roseland Veneer & Package Co., Ltd. (Vegetable), Roseland, La.
Rugg Mfg. Co. (Delivery, Fruit & Show), Greenfield, Mass.
Specialty Box Mfg. Co. (Folding), Portland, Ore.
Sweet B. F. & H. L. Co., Fond du Lac, Wis.
**Thorp A. & Son Crate Co., Roseville, O.**
Troy Veneer & Crate Co., Troy, Ala.
Vance E. J. Box Co., Ltd., Bay City, Mich.
Vandergrift Box Co., Vandergrift, Pa.

## 3396—Crates (Automobile Tire)

**Alderfer Co., Sharon Center, O.**
Steele-Alderfer Co., Cuyahoga Falls, O.

## 3397— Crates (Egg)

New England Box Co. ("Gardner"), Greenfield, Mass.
Star Egg Carrier & Tray Mfg. Co., Rochester, N. Y.

## 3397a— Crates (Wooden)

Bogert & Hopper Inc., 57, Barclay, New York *See adv index at end of book*
Davis Henry D. Lumber Co., Northwest Bank bldg., Portland, Oreg.
Estes E. B. & Sons, 364 5th av., New York
*See adv index at end of book*
South Bend Dowel Works (Automobile Parts), South Bend, Ind.

## 3398-9— Crayon Mfrs.

See also Crayons & Pencils, Metal Works; also Pencil Manufacturers
Adams D. C. Crayon Co., 12 Market, St. Louis, Mo.
American Crayon Co. (All Kinds for All Purposes), 1300 Hayes av, Sandusky, O., & Waltham, Mass.
American Lava Co. (Fdry.), Chattanooga, Tenn. *See adv index at end of book*
**American Lead Pencil Co. (Colored), 220 5th av, New York**
**BINNEY & SMITH CO.** (Marking, School & Artists'), 81 Fulton, New York
Cohutta Talc Co. (Blackboard), Dalton, Ga.
Dixon Joseph, Crucible Co. ("Dixon's" Graphite, Metal Workers', Colored), Jersey City, N. J.
Doggett Stanley (Soapstone), 11 Cliff, New York
Eagle Pencil Co. (Colored), 703 E 13th, New York
Eclipse Mill Crayon Co., Lowell, Mass.
Faber Eberhard (Colored), 200 5th av, New York
Georgia Talc Co. (Talc), Asheville, N. C.
Gregory Talc Blackboard & Crayon Co., Nashville, Tenn.
**Howe Mill Crayon Co. (Mill), Lowell, Mass.**
Korn William (Marking & Lithographic), 120 Centre, New York
Lowell Crayon Co. (Mill & Metal Workers'), Lowell, Mass.
National Crayon Co., West Chester, Pa.
Nevins Samuel Co. (Importer, French Chalk & Talc), 109 S 2d, Phila., Pa.
New England Quartz Co. of N. Y. (Talc), 150 Nassau, New York
New York Silicate Book Slate Co. (Silicate), 24 Vesey, New York
North Carolina Talc & Mining Co. (Talc), Hewitts, N. C.
Standard Crayon Mfg. Co. ("Falcon," "Standard." "Omega," "Bonanza," "China Maker," "Tanners," "Red Seal." & "Crest Light"), Danvers, Mass.
**Steward D. M. Mfg. Co. ("Compo," Dustless Soapstone), Chattanooga, Tenn.**
Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo. *See adv index at end of book*

## 3400—Crayons (Bowling Alley)

Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.
American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.

## 3401— Crayons (Checking)

**Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.**
American Crayon Co., 1300 Hayes av., Sandusky, O.
Grammes, L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 3402-6— Crayons (Colored)

**Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.**
American Crayon Co., 1300 Hayes av., Sandusky, O., & Waltham, Mass.

## 3407-8-9—Crayons (Lumber)

**Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.**
American Crayon Co., ("Acme"), 1300 Hayes av, Sandusky, O., & Waltham, Mass.
Chrystal Chas. B., 13 Cliff, New York
*See adv index at end of book*
Dixon Joseph Crucible Co., Jersey City N. J.
Franklin Crayon Co., Rochester, N. Y.
Grammes, L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Standard Crayon Mfg. Co., Danvers, Mass.
Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo. See *adv index at end of book*

## 3410-11—Crayons (Railroad)

**Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.**
American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.

## 3412—Crayons (Tailors' Wax)

American Crayon Co., 1300 Hayes av, Sandusky, O.
*See adv index at end of book*
Goebel J. & Co., (Imp), 129 **Maiden la, New York**
**Marty F. & Co., Syracuse, N. Y.**

## 3413—Crayons (Wax & Oil, School & Package)

**Adams D. C. Crayon Co., 125 Market, St. St. Louis, Mo.**
American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.

## 3414—Crayons & Pencils (Metal Workers', Etc.)

American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.
American Lava Corp., Chattanooga, Tenn.
*See adv index at end of book*
Binney & Smith Co., 81 Fulton, New York
Chrystal Chas. B., 13 Cliff, New York
*See adv index at end of book*

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**FLAT SQUARE ROUND**

**TalcMetalWorkers'Crayons Sawed from Solid Rock Not Composition**

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**LUMBER CRAYONS NONE BETTER MADE**

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Cohutta Talc Co. (Talc Soapstone), Dalton, Ga.
Dixon Joseph Crucible Co. ("Dixon's" American Graphite or Soapstone), Jersey City, N. J.
Doggett Stanley (Soapstone & Talc, "Peerless" & "Perfection" Brands), 11 Cliff, New York
Franklin Crayon Co., Rochester, N. Y.
Gregory Talc Blackboard & Crayon Co., Nashville, Tenn.
Korn Wm. ("Korn's," for Hot or Cold Metal), 120 Center, New York
Lowell Crayon Co., Lowell, Mass.
Nevins Sam'l Co. (Talc & French Chalk), 109 S 2d, Phila., Pa.
Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.
Standard Crayon Mfg. Co., Danvers, Mass.

CRAYONS & PENCILS (METAL WORKERS,' ETC.)—continued

Steward D. M. Mfg. Co. ("Compo"), Chattanooga, Tenn.
Zelnicker Walter A. Supply Co. ("Steelmark"), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 3415— Cream Tartar

Fuller Ralph & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, Ohio.
Herrick & Voigt, 68 Maiden Lane, New York
Pfizer Chas. & Co. (Powdered or Crystals), 81 Maiden la, New York
Warren Products Co., 265 B'way, New York *See adv index at end of book*
Worden Chemical Works ("Tartarline" Substitute), 4 Cedar, New York

## 3416-7—Creamers (Cabinet & Elevator)

Vermont Farm Machine Co. ("Cooley"), Bellows Falls, Vt.

## 3418—Creasers (Leather, Etc.)

Osborne C. S. & Co. (Harness Makers, etc), Box 183, Newark, N. J.
*See adv index at end of book*

## 3419— Creepers (Anti-Rail)

Belle City Malleable Iron Co. ("Vaughan"), Racine, Wis.
Cleveland Frog & Crossing Co. ("Prentice"), 6917 Bessemer av, Cleveland Ohio
Cleveland Railway Supply Co. (Combination Tie Plates & Anti-Rail Creepers), Swetland bldg, Cleveland, O.
Creepcheck Co. ("Dinklage Creepchecks"), 81 Fulton, New York
Oliver Iron & Steel Co. (Anti-Creeper Device), S 10th & Muriel, Pittsburgh, Pa.
P. & M. Co. ("P. & M.," Boltless, "Vaughan," "Henggi"), 80 E Jackson blvd, Chicago, Ill.

## 3420—Creepers (Automobile)

Boyle Mfg. Co., 5100 Sante Fe av, Los Angeles, Calif.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Foster Bros. Mfg. Co., Utica, N. Y.
Keystone Wire Matting Co. ("Keystone"), Beaver Falls, Pa.
La Porte Mat & Mfg. Co. ("Hercules"), La Porte, Ind.
Lewis-Geer Mfg. Co., Ypsilanti, Mich.
Milwaukee Auto Specialty Co., 711 Chestnut, Milwaukee, Wis.

## 3421— Creepers (Ice)

Gay Geo. E., Augusta, Me.
Gifford-Wood Co., Hudson, N. Y.
Holderbaum Jas. B. & Son ("Reliance"), Somerset, Pa.
Hubbell Ray & Co. ("Arnold"), Northville, N. Y.
Rapp Philip ("Victor"), Reading, Pa.
Reading Saddle & Mfg. Co. ("Anti-Slip"), Reading, Pa.
Sayre, L. A. Co., 332 Mulberry, Newark, N. J.
Thomson Judson L. Mfg. Co. ("Never-Slip"), Roberts Station, Waltham, Mass.
Union Hardware Co., Torrington, Conn.
Warren J. M. & Co. ("Featherweight"), Troy, N. Y.
West Chas. F. (Flat Spring Steel), 3861 Lancaster av, Phila., Pa.

## 3421a— Creosote Carbonate

Merck & Co., 45 Park pl., New York

## 3422— Creosote (Coal Tar)

Armitage Mfg. Co., Richmond, Va.
Barclay Naval Stores Co. (Jobbers), 44 Whitehall, New York
Barrett Co., 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
Denver Gas & Electric Light Co., Denver, Colo.
Merck & Co., 45 Park pl, New York
National Aniline & Chemical Co., Inc., 21 Burling sl, New York
Northeastern Co., The ("Noreacol"), 80 Beverly, Boston, Mass.
PROTEXOL CORPORATION, 41 Barclay, New York Vesuvius Crucible Co., Swissvale, Pa.
Vesuvius Crucible Co., Swissvale, Pa.

## 3422a—Creosote (Dark, Refined & Disinfectant)

Du Pont Chemical Works, 120 B'way, New York

## 3423— Creosote (Wood)

Cleveland Cliff Iron Co., Rockefeller bldg, Cleveland, Ohio
Forest Product Co. ("Pinesote"), 1212 Whitney, New Orleans, La.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
White Tar Co., John & Cliff, New York

## 3424— Creosoting Works

See also Wood Preservatives

American Creosote Works, Southport, New Orleans, La.
AMERICAN CREOSOTING CO., Bogalusa, La. *See adv index at end of book*
American Creosoting Co., 17 Battery pl, New York. Works: Newark, N. J.
American Creosoting Co., Louisville, Ky.
Atlantic Creosoting & Wood Preserving Works, Norfolk, Va.
Ayer & Lord Tie Co., 80 E Jackson blvd, Chicago.
Chicago Creosoting Co., Waukegan, Ill.
Colman J. M. Co., Seattle, Wash.
Columbia Creosoting Co., Portland, Ore.
Compressed Wood Preserving Co., Spring Grove & Station avs, Winton pl, Cincinnati, O.
Creosoted Materials Co. Inc., Queen & Crescent bldg., New Orleans, La.
Eppinger & Russell Co., 165 B'way, New York
Federal Creosoting Co., Louisville, Ky.
Gulfport Creosoting Co., Gulfport, Miss.
Indiana Creosoting Co., Louisville, Ky.
Indiana Zinc Creosoting Co. (Zinc Creosoting), Terre Haute, Ind.

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Bogalusa, La. DeRidder, La. Hugo, Okla. Trenton, Ont.

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*Southern Sales Office:* BOGALUSA, LA.

International Creosoting & Construction Co., Galveston, Tex.
Jennison-Wright Co., Toledo, Ohio
Kettle River Co., Madison, Ill.
Louisiana Creosoting Co., Winnifield, La.
Michigan Pipe Co., Bay City, Mich.
Michigan Wood Preserving Co., Century bldg, Pittsburgh, Pa.
National Lumber & Creosoting Co., Texarkana, Ark.
Norfolk Creosoting Co., Norfolk, Va.
Ohio Wood Preserving Co., Century bldg, Pittsburgh, Pa.
Pacific Creosoting Co., Seattle, Wash.
Pittsburgh Wood Preserving Co., Century bldg, Pittsburgh, Pa.
Puget Sound Wood Preserving Co., Lowell, Wash.
REPUBLIC CREOSOTING CO., Merchants Bk. bldg, Indianapolis, Ind.
*See adv index at end of book*
St. Helens Creosoting Co., Yeon bldg., Portland, Ore.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Shreveport Creosoting Co., Louisville, Ky.
Southern Creosoting Co., Ltd., Slidell, La.
Southern Wood Preserving Co., Atlanta, Ga.
U. S. Wood Preserving Co., 165 B'way, New York
Western Wood Preserving Co., Spokane, Wash.
Wyckoff Pipe & Creosoting Co., 30 E 42d, New York

## 3425— Cresol Manufacturers

Amerman & Patterson (Imp.), 21 State, New York
Jordan William E. Inc., 13 Cliff, N. Y.
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
National Aniline & Chemical Co., Inc. (Imp.), 21 Burling slip, New York
Roessler & Hasslacher Chemical Co. (Imp.), 709 6th av, New York
Squibb E. R. & Sons (Imp.), 78 Beekman,
White Tar Co. (Imp), John & Cliff, New York

## 3425a— Cresol (Ortho)

Jordan William E. Inc., 13 Cliff, N. Y.

## Crestings (Terra Cotta)

See Roofing Tile, Terra Cotta

## 3426—Crestings & Finials (Iron)

Roanoke Iron & Bridge Wks., Roanoke, Va.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Dearborn Fdry. Co., 345 W 23rd av, Chicago, Ill.
Gensel Fred & Co., 911 Vine, Phila., Pa.
Jackson Wm. H. Company, 2 W 47th New York
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Mott J. L. Iron Works, Trenton, N. J.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Wells Architectural Iron Co., River av & 151st, New York
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.

## 3427—Crestings & Finials (Sheet Metal)

Canton Art Metal Co., Canton, O.
Decatur Cornice & Roofing Co., New Decatur, Ala.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Eller Mfg. Co., Canton, O.
Gara, McGinley Co., 23 S 17th, Phila., Pa.
Hergert Theo., 422 E 53d, New York
Jones Thomas W., 153 Maiden la, New York
Kanneberg Roofing & Ceiling Co., Canton, O.
Klauer Mfg. Co., Dubuque, Ia.
Manrow Sheet Metal Wks., Goshen, Ind.
Martin Metal Mfg. Co., Wichita, Kan.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Ohio Corrugating Co., Warren, O.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Van Noorden E. & Co., 100 Magazine, Boston, Mass.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.
Willis Mfg. Co., Galesburg, Ill.

## 3428— Cribbage Boards

Gorham H. W., E. Norwalk, Conn.
Grote F. & Hubbell Co., 82 4th av, New York
Bissell F. Co. (Yellow Pine & Fir Cross Arms, Oak Brackets & Locust Pins), Toledo, O.
Byrne-Turner Co. (Fir.), Bellingham, Wash.
California Pole & Piling Co., San Francisco, Cal.
Carolina Cross Arm Co. (Yellow Pine), Elkin, N. C.
Central Lumber Co. (Yellow Pine Brackets, Cross Arms & Pins), Chattanooga, Tenn.
Clark A. F. Lumber Co., Peabody, Mass.
Cohn & Bock Co. (Yellow Pine Cross Arms, Oak Insulator Pins & Brackets), Princess Anne, Md.
Compressed Wood Preserving Co. (Creosoted), Spring Grove & Station avs, Winton pl, Cincinnati, O.
Doty Lumber & Shingle Co., Doty, Wash.
Eastern R'way & Lumber Co., Centralia, Wash.
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*
Frye J. Marshall Co., Hattiesburg, Miss.
Gulf Arm & Creosoting Co., Hattiesburg, Miss.
Gulfport Creosoting Co., Gulfport, Miss.
International Creosoting & Construction Co. (Creosoted), Galveston, Tex.
Joslyn Mfg. & Supply Co., Chamber of Commerce bldg, Chicago, Ill.
Lindsley Bros. Co., Spokane, Wash.
Louisiana Red Cypress Co., Hibernia Bk bldg, New Orleans, La.
McCormick Lumber Co., McCormick, Wash.
Mueller Wm. & Co., 332 S Michigan, Chicago, Ill.
National Tank & Pipe Co., 275 Oak, Portland, Ore.
*See adv index at end of book*
Norfolk Creosoting Co. (Creosoted), Norfolk, Va.
Pettingell-Andrews Co. ("Exemplar"), or Juniper), Norfolk, Va.
Pilliod Lumber Co., Swanton, O.
Md.
Roper John L. Lumber Co. (White Cedar bldg, St. Louis, Mo.
Southern Creosoting Co., Ltd. ("Creosoted"), Slidell, La.
soted), Tacoma, Wash.
Southern Exchange Co. (Georgia Pine Cross Arms), 97 Warren, New York

## 3429—*Crimpers (Aerial Rings)

DIAMOND EXPANSION BOLT CO. ("Diamond"), 89 West, New York
*See adv index at end of book*

## 3430— Crimpers (Cap)

Atlas Powder Co., 140 N. Broad, Phila., Pa
*See adv index at end of book*
Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*
HERCULES POWDER CO. ("Hercules"), Wilmington, Del.
*See adv index at end of book*

## 3431— Crimpers (Pie)

*See adv index at end of book*
Hamblin & Russell Mfg. Co., Worcester, Mass.
Wickwire Spencer Steel Corp., ("Natwire"), Worcester, Mass.
*See adv index at end of book*

## 3432— Crinoline

American Hair Cloth Co., Pawtucket, R. I.
Griswoldville Mfg. Co., Griswoldville, Mass.
Irving Mfg. Co., 23 Jersey, New Brighton, S. I., N. Y.
McLean Andrew Co., Passaic, N. J.
North Scituate Cotton Mills, N Scituate, R. I.
Palmer I. E. Co., Middletown, Conn.

## 3433— Crockery

Cannonsburg Pottery Co., Canonsburg, Pa.
Canton Clay Products Co., Canton, O.
Carrollton Pottery Co., Carrollton, O.
Cartwright Bros. Co., East Liverpool, O.
Crown Potteries Co., Evansville, Ind.
French China Co., Sebring, O.
Greenwood Pottery Co., Trenton, N. J.
Harker Pottery Co., East Liverpool, O.
International Pottery Co., Trenton, N. J.
Knowles Edwin M. China Co., East Liverpool, O.
Knowles, Taylor & Knowles Co., East Liverpool, O.
Laughlin Homer China Co., East Liverpool, O.
Leopold J. & Co., 101 Hanover, Baltimore,
Lilienthal Crockery Co., Atlanta, Ga.
McNicol D. E. Pottery Co., East Liverpool, O.
Mayer China Co., Beaver Falls, Pa.
Mercer Pottery Co., Trenton, N. J.
National China Co., Salineville, O.
Onondaga Pottery Co., Syracuse, N. Y.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pace Bros. & Sons, Roseville, O.
Ransbottom Bros. Pottery Co., Roseville, O.
Robinson Clay Product Co. (Pottery), Akron, O.
Roseville Pottery Co., Zanesville, O.
Salem China Co., Salem, O.
Sebring E. H. China Co., Sebring, O.
Smith-Phillips China Co., East Liverpool, O.
Standard Pottery Co., East Liverpool, O.
Steubenville Pottery Co., Steubenville, O.
Summit China Co., Akron, O.
Taylor, Smith & Taylor Co., East Liverpool, O.
Thompson C. C. Pottery Co., East Liverpool, O.
Van Pottery Co., Trenton, N. J.
Vodrey Pottery Co., East Liverpool, O.
Warwick China Co., Wheeling, W. Va.
Weller S. A., Zanesville, O.
Wellsville China Co., Wellsville, O.
West End Pottery Co., East Liverpool, O.

## 3434— Crocus Martis

Chrystal Charles B. (Imp), 13 Cliff, New York. *See adv index at end of book*
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland.
Munning, A. P. & Co., Mattawan, N. J.
Waddell R. J. & Co. (Imp), 52 Beekman, New York
Wiarda John C. & Co. (Jobbers), 273 Greene, Brooklyn, N. Y.

## 3434a— *Crop Conveyors

Treadwell Engng. Co., Easton, Pa.
*See adv index at end of book*

## 3435— Croquet Sets

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Garton Toy Co., Sheboygan, Wis.
Rademaker H. & Sons, Grand Rapids, Mich.
Roy Bros., East Barnet, Vt.
Saginaw Wood Products Co. (Croquet Pool), Gaylord, Mich.
Selchow & Righter Co., 620 B'way, New York
South Bend Toy Mfg. Co., So Bend, Ind.

## 3436—Cross Arms, Brackets, Etc. (Iron & Steel)

American Bridge Co., 30 Church, New York
Belmont Iron Works, 22d & Washington av, Phila., Pa.
Bissell F. Co. ("Security," Angle Iron), Toledo, O.
Brady Electric Mfg. Co., New Britain, Conn.
Treaghead Engineering Co. ("Flexible" and Malleable Iron), 340 Main, Cincinnati, O.
Cutter Geo. Co., South Bend, Ind
Diamond Steel Pole Co., Land Title bldg. Phila., Pa.

CROSS ARMS, BRACKETS, ETC. (IRON AND STEEL)—continued

**Eastern Malleable Iron Co.** ("Beardsley" Malleable Iron), Naugatuck, Conn.
Electric Railway Equipment Co., Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
**Electrical Construction Supply Co.** ("Chubbuck"), Springfield, O.
**Empire Galvanizing Co. (Galvanized), 2507 E Cumberland, Phila., Pa.**
Hall Frank B. Co. (Pressed Steel Brackets), Newton Falls, O.
**Hallett Iron Works, Harvey, Ill.**
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Heltzel Steel Form & Iron Co. (Iron & Steel), Warren, O.
**Hubbard & Co.** (" Bo-Arrow" Galvanized), 63d & Butler, Pittsburgh, Pa.
Illinois Malleable Iron Co. (Malleable Iron), 1801 Diversey blvd, Chicago, Ill.
**Lanz M. & Sons (Steel Angle), 2907 Carson, Pittsburgh, Pa.**
Michigan Bolt & Nut Works, ft of Weldrum, Detroit, Mich.
Mitchell-Tappen Co., 15 John, New York
Morris Elmer P. Iron Works, 136 Liberty, New York
Newhall Chain, Forge & Iron Co., 89 West, New York
Ohio Brass Co. (Brackets only), Mansfield, O. *See adv index at end of book*
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
**Phila.** Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
St. Louis Malleable Casting Co. (Malleable Iron), 7701 N Conduit av, St. Louis, Mo.
Thomas R. & Sons Co. ("Byllesby," Wishbone Cross Arms), East Liverpool, O.

## Cross Arms (Creosoted)

See Creosoting Works

## 3437— Cross Arms (Wood)

See also Insulator Pins & Brackets

**American Creosote Works (Creosote),** Southport, New Orleans, La.
**AMERICAN LINE MATERIALS CO.,** (Fir, Yellow Pine, Creosoted), 332 S. Michigan av, Chicago, Ill.
**AMERICAN CREOSOTING CO.** (Creosoted), Bogalusa, La.
*See adv index at end of book*
Anguera Lumber & Tie Co., 111 W Washington, Chicago, Ill.
Barnes-Lindsley Mfg. Co., Portland, Ore.
Berthold & Jennings Lumber Co., Arcade bldg., St. Louis, Mo.
Brower Co. (Kyanized Spruce), Portland, Me.
Southern Pine Mfg. Co. (Yellow Pine), Paducah, Ky.
Southern Wood Preserving Co. ("Creosoted"), Atlanta, Ga.
Stiles, H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Tidewater Cross Arm & Conduit Co. (Fir), Tacoma, Wash.
**Union Railway Supply Co., Real Estate** Tr. bldg, Phila., Pa.
Vreeland B. F. (Yellow Fir), Denver, Colo.
**Williams F. B. Cypress Co., Ltd. (Cypress),** Patterson, La.

## 3438—Cross Bars (For Goosenecks)

Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.

## Cross Ties

See Ties, Poles & Posts

## 3439—Crosses (Pipe Fitting)

**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
Kuhns Bros. (Cast Iron), Dayton, O.
Larkin, J. K. & Co., 34 Reade, New York.
*See adv index at end of book*
**LUNKENHEIMER CO.** (Brass), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila, Pa.
*See adv index at end of book*
Powell Wm. Co. (Brass), Cincinnati, O.
Sherman H. B. Mfg. Co. (Brass), Battle Creek, Mich.
Walworth Mfg. Co. (Brass, Cast & Malleable Iron), Boston, Mass.

## 3439a— *Crosses (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*

## Crossings (Railway)

See Frogs, Switches, Crossings, etc

## 3440— Crow Bar Mfrs.

Wedge or Pinch Point

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Beall Bros. (Inc) (Pinch or Wedge Point, etc), Alton, Ill.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Collins Co., Collinsville, Conn.
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Evansville Tool Works (Pinch & Wedge Point), Evansville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fulton Tool Works (Miners), Huntington, W. Va.
Hardsocg Martin Co. (Miners), 922 South av, Pittsburgh, Pa.
**Hubbard & Co., 63d & Butler, Pittsburgh, Pa.**
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Turner C. A. (Miners), 3rd & Chauncery, Pittsburgh, Pa.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*
Warwood Tool Co., Warwood, Wheeling, W. Va.
Withers Foundry & Machine Works, Atlanta, Ga.

## 3441— Crozers (Coopers')

**White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.**

## 3442— Crucible Mfrs.

Acheson Graphite Co. (Graphite, for High Temperature Work), Niagara Falls, N. Y.
American Oil & Supply Co. ("Burns," for Dentists & Mfg. Jewelers, also Safety Crucibles), 238 Wilson av, Newark, N. J.
Atlantic Terra Cotta Co., 1170 B'way, New York
Baker & Co. (Platinum), 54 Austin, Newark, N. J.
Bartley Jonathan Crucible Co. (Graphite), Trenton, N. J.
Bay State Crucible Co., Taunton, Mass.
Bridgeport Crucible Co. (Black Lead, Clay Lined), Bridgeport, Conn.
Denver Fire Clay Co. (Jobbers), Denver, Colo.
Dixon Joseph, Crucible Co. ("Dixon's"), Jersey City, N. J.
Eimer & Amend (Importers), 205 3rd av, New York
**FOREIGN CRUCIBLES LTD.** (Importers), Church & Fulton, New York
*See adv index at end of book*
Gautier J. H. & Co. (Black Lead), 1 Greene, Jersey City, N. J.
General Platers' Supply Co. (imptrs graphite), 489-493 Broome, New York
Goebel J. & Co. (Importers), 129 Maiden la, New York
Guernsey Earthenware Co. (Porcelain), Cambridge, O.
Heil Henry Chemical Co. ("Battersea," Imported), St. Louis, Mo.
Kelly Derby Co., People's Gas bldg, Chicago, Ill.
McCullough-Dalzell Crucible Co. (Plumbago & Clay-Lined), 36th & A. V. RR., Pittsburgh, Pa.
National Carbon Co. (Made From Carbon), Madison av N W & W 117th, Cleveland, O.
Ohio Pottery Co. ("Ohio" Porcelain, Glazed Inside and Out), Zanesville, O.
Ross-Tacony Crucible Co., Robins & Milner, Phila., Pa.
Seidel R. B. (Inc.), (Black Lead), 1322 Callowhill, Phila., Pa.
Taunton Crucible Works (Pure Ceylon Graphite), Taunton, Mass.
Taylor Robert J. (Inc.), 1900 Callowhill, Phila., Pa.
Thermal Syndicate Ltd., 50 E 41st, New York
Warren Products Co., 265 B'way, N. Y.
*See adv index at end of book*
Woodison E. J. Co. (Brass-Steel), 1621 St. Aubin, Detroit, Mich.
Woods-Lloyd Co., S 30th & Jane, Pittsburgh, Pa.

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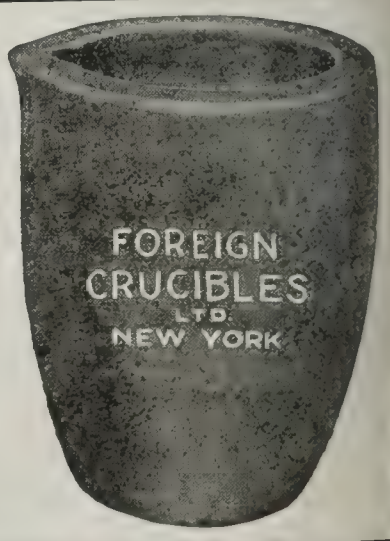


## Crucible Steel
See Steel, Crucible

## 3442a—*Crucible Stopper Presses
**CROSSLEY MACHINE CO.,** State & Chestnut av, Trenton, N. J.
*See adv index at end of book*

## 3443—*Crucible Tongs & Shanks
**NORTHERN ENGINEERING WORKS** (For Brass Foundries), 9 Chene, Detroit, Mich. *See adv index at end of book*
Warren Products Co., 265 B'way, N. Y.
*See adv index at end of book*

## 3444— Crucibles (Filter)
Baker & Co., Inc., 54 Austin, Newark, N. J.
Braun-Knecht-Heimann Co. (Alundum), 576-584 Mission, San Francisco, Cal.
Central Scientific Co., 460 E. Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Mine & Smelter Supply Co., Denver, Colo.
Scientific Utilities Co., Inc., 18 E 16th, New York

## 3445— Crucibles (Graphite)
Allen Crucible, 714 50th av, East Oakland, Cal.
Braun, Knecht, Heimann Co., 576-584 Mission, San Francisco, Cal.
**FOREIGN CRUCIBLES LTD.** (Importers), Church & Fulton, New York
*See adv index at end of book*
McCullough-Dalzell Crucible Co., 36th and A.V.R.R., Pittsburgh, Pa.
Warren Products Co., 265 B'way, N. Y.
*See adv index at end of book*

## 3446— Crucibles (Iron)
Duriron Castings Co. (Acid Proof), Dayton, O.

## Crucibles (Platinum)
See Platinum Crucibles & Dishes

## 3446a—Crucibles (Porcelain)
Berge, J. & H., 95 John, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Herold China & Pottery Co., Golden, Colo.
Guernsey Earthenware Co., Cambridge, O.

## 3447— *Crucibles (Steel)
**FOREIGN CRUCIBLES LTD.** (Importers), Church & Fulton, New York
*See adv index at end of book*

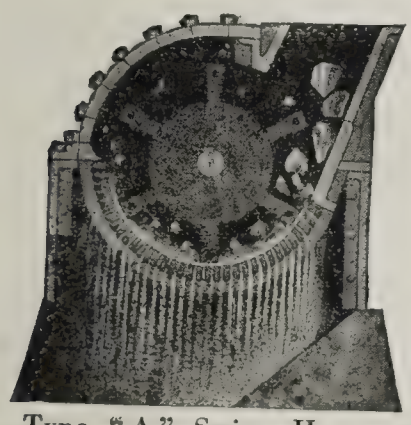
## 3448— Crusher Parts
Alloy Steel Forging Co., Carnegie, Pa.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Link-Belt Co., 329 W. 39th, Chicago, Ill., and Hunting Park av & P & R. Ry, Phila., Pa.
*See adv index at end of book*
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

## 3449— Crushers (Asphalt)
American Pulverizer Co. ("American" Ring Pulverizer), 32nd & Ridge, East St. Louis, Ill.
Jeffrey Mfg. Co., 961 N. Fourth, Columbus, Ohio *See adv index at end of book.*
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 3450— Crushers (Barley)
Jeffrey Mfg. Co., 961 N. Fourth, Columbus, Ohio *See adv index at end of book.*
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 3451— Crushers (Clay)
**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
American Pulverizer Co., 32nd & Ridge, East St. Louis, Ill.
Anderson Foundry & Machine Works, Anderson, Ind.
Arnold-Creagor Co., New London, O.
Bonnot Company, Canton, O.
Brazil Machine & Foundry Co., Brazil, Ind.
Brewer H. & Co., Tecumseh, Mich.
Brunner Machy. Co., Peru, Ill.
Eagle Iron Works, Des Moines, Ia.
Fate-Root Heath Co., Plymouth, O.
Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
Freese E. M. & Co., Galion, O.
Frost Mfg. Co., Galesburg, Ill.
International Clay Machy. Co., Dayton, O.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
K. B. Pulverizer Co., Inc., 92 Lafayette, New York.
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*
Stedman's Foundry & Machine Works, Aurora, Ind.
Stevenson Co., Wellsville, O.
Taplin-Rice-Clerkin Co., Akron, O.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 3452—Crushers (Coal & Coke)
**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Pulverizer Co., 32nd & Ridge, East St. Louis, Ill.
**BARTLETT C. O. & SNOW CO.** ("Triumph," Two & Four Roll), Fall st, Cleveland, O. *See adv index at end of book*
Beaumont, R. H. Co., Drexel bldg., Philadelphia, Pa.
Brunner Foundry & Mfg. Co., Peru, Ill.
Connellsville Mach. & Car Supply Co., Connellsville, Pa.
Excel Mfg. Co., Pottersville, N. J.
Exeter Machine Works, Pittston, Pa.
**Farnham Mfg. Co.,** 39 Indiana, Buffalo, N. Y.
**FULLER-LEHIGH CO.,** Fullerton Pa.
*See adv index at end of book*
Gruendler Patent Crusher & Pulverizer Co., St. Louis, Mo.
Hunt C. W. Co. (Coal), West New Brighton, N. Y.
*See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*

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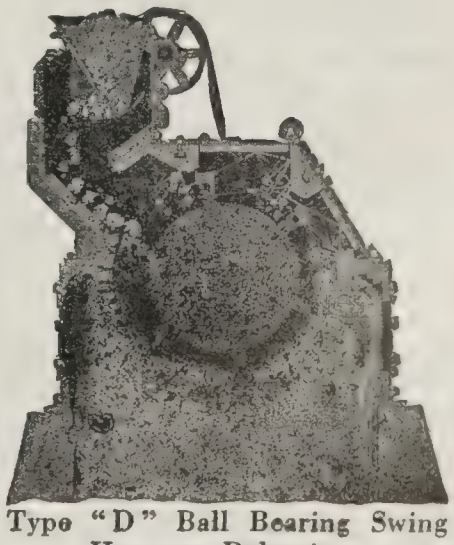

Type "D" Ball Bearing Swing Hammer Pulverizer.

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K. B. Pulverizer Co., Inc., 92 Lafayette, New York
Keller, C. M., Columbus, Ind.
**KENNEDY VAN SAUN MFG. & ENG. CORP., 120 Broadway, New York**
*See adv index at end of book*
**LINK-BELT COMPANY** ("Link Belt"), 329 W. 39th, Chicago, Ill., & Hunting Park av & P R. Ry., Phila., Pa.
*See adv index at end of book*
Marion Machine Foundry & Supply Co., Marion, Indiana
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.
**PENNSYLVANIA CRUSHER CO.** (Hammer, Bradford, Rotary, etc), Stephen Girard bldg, Philadelphia & Pittsburgh Pa., New York & Seattle, Wash.
Pittsburgh Conveying Machinery Co., **4th & Duquesne wy, Pittsburgh, Pa.**
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York
*See adv index at end of book*
**SPECIALTY ENGINEERING CO.,** Trenton & Allegheny, Phila., Pa.
Sprout, Waldron & Co. (Also Facing), Muncy, Pa.
Stedman's Fdry. & Machine Works, Aurora, Ind.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
United Iron Works Co., Inc., Kansas City, Mo.
Universal Crusher Co. ("Eureka" & "Universal"), Cedar Rapids, Ia.
Vulcan Iron Works, Wilkes-Barre, Pa.
Webster Mfg. Co. (Coal Only), 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## Crushers (Coke)

See Crushers, Coal & Coke

## Crushers (Corn & Cob)

See Mills, Corn & Cob

## 3453-4— *Crushers (Cullet)

**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*

## 3455— Crushers (Hammer)

Jeffrey Mfg. Co., 961 N. Fourth, Columbus, Ohio *See adv index at end of book.*
K. B. Pulverizer Co., Inc., 92 Lafayette, New York
**PENNSYLVANIA CRUSHER CO.** (For Coal, Cement, Rock, Clay, etc), Stephen Girard bldg, Phila., Pa.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 3455a— *Crushers (Hydraulic)

Buffalo Foundry & Machine Co; (Also Pre-Crushers), Buffalo, N. Y.
*See adv index at end of book*

## Crushers (Laboratory)

See Pulverizers, Laboratory

## 3456— Crushers (Oat)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Excel Mfg. Co., Pottersville, N. J.
Gump B. F. Co., 431 S. Clinton, Chicago, Ill.
Sprout, Waldron & Co., Muncy, Pa.

## 3456a— *Crushers (Portable)

**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*

## 3457—Crushers (Rock & Ore)

**ABBE ENGINEERING CO.** (Hand Power), 216-224 B'way, New York
*See adv index at end of book*
Abbe Paul O., 30 Broad, New York
Acme Road Machinery Co., Frankfort, N. Y.
Allis-Chalmers Mfg. Co. ("Gates"), Milwaukee, Wis.


**KENNEDY VAN SAUN**

**Manufacturing & Engineering Corporation**

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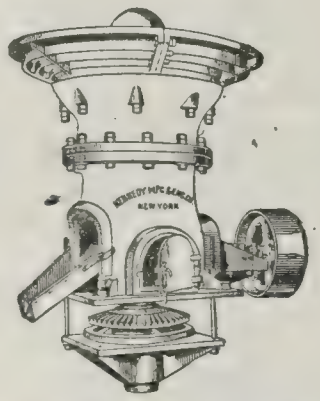

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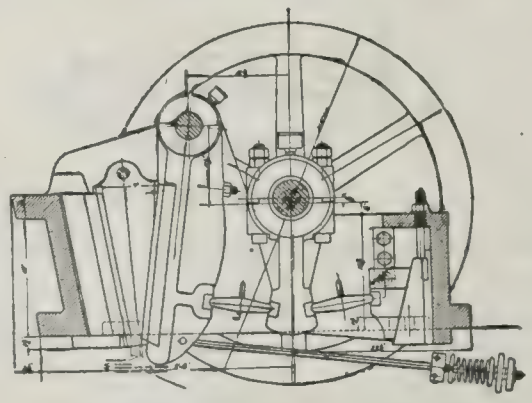

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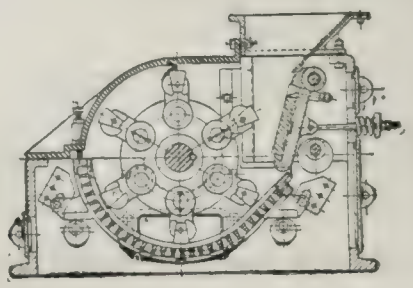

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American Road Machinery Co. ("Champion," "Climax," "Fort Wayne") Kennett Sq., Pa.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
Beaumont Mfg. Co., 315 Arch, Phila., Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
**BROWN & SITES CO.,** 30 Church, N. Y.
Brunner Machy. Co., Peru, Ill.
Buchanan C. G. Co., 90 West, New York
Butterworth & Lowe (Jaw Reciprocating; also Rotary), Grand Rapids, Mich.
Calkins Co. ("Advance" Ore), Los Angeles, Cal.
Chalmers-Williams Mfg. Co. ("Bronze Ball" Gyratory; also "Blake," "Dodge" Disc), 1461 Arnold, Chicago Heights, Ill.
Charleston Dry Dock & Machine Co., Phosphate, Charleston, S. C.
Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works Co. (Ore), Denver, Colo.
Denver Quartz Mill & Crusher Co. (Ore), Denver, Col.
Engelbach Machine Mfg. Co, Leadville, Col.
Farrel Foundry & Machine Co. (Stone Breakers, etc), Ansonia, Conn.
Fuller-Lehigh Co. ("Lehigh") Fullerton, Pa.
Galena Iron Works Corp., Galena, Ill.
Galion Iron Works & Mfg. Co., Galion, O.
Hallidie Co. ("Blake" & "Hodge" Pattern) Spokane, Wash.
*See adv index at end of book*
Hassell Iron Works Co., Colorado Springs, Col.
**Hendy Joshua Iron Works ("Hercules"), 75 Fremont, San Francisco, Cal.**
Hoagland's M. Sons Co., Rockaway, N. J.
Jefferson Iron Works Co., 7 Jefferson av Detroit, Mich.
K. B. Pulverizer Co., Inc., 92 Lafayette, New York
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*
Knoxville Fdry. & Mach. Co. (Comb. Jaw Roller Pulverizer), Knoxville, Tenn.
Lansing Co. ("Lansing" Small for Contractors, etc.), Lansing, Mich.
Lewistown Foundry & Machine Co., Lewistown, Pa.
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
McFarlane-Eggers Machy. Co., Denver, Colo.
**MACHINERY SALES CO.,** Old Colony bldg, Chicago, Ill.
*See adv index at end of book*
Marathon Mill & Machinery Works, 38 S. Dearborn, Chicago, Ill.
Mine & Smelter Supply Co. (Ore.), 42 B'way, New York
Morse Bros. Machinery & Supply Co. ("Wild" Mill), Denver, Colo.
New England Road Machy. Co. ("New England"), 15 S Market, Boston, Mass.
Phillips & McLaren ("Blake" and "Forster"), 24th & Smallman, Pittsburgh, Pa.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Raymond Bros. Impact Pulverizer Co., 1346 North Branch, Chicago, Ill.
Samson Mfg. Co. ("Samson"), Denver, Col.
**SMITH ENGINEERING WORKS,** 3191 Locust, Milwaukee, Wis.
Smith & Sons Mfg. Co. ("Royal" Rock Crusher, Kansas City, Mo.
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
Sprout, Waldron & Co., Muncy, Pa.
**STANDARD EQUIPMENT CO.** ("Standard"), 184 Church, New Haven, Conn.
Sterritt-Thomas Foundry Co. (Stone Crushers), 33d & Smallman, Pittsburgh, Pa.
**STURTEVANT MILL CO.,** Clayton & Park, Boston, Mass.
**TRAYLOR ENGINEERING & MFG CO.** ("Gyratory," "Blake," etc.), Allentown Pa. *See adv index at end of book*
United Iron Works Co., Inc., Kansas City, Mo.
Universal Road Machinery Co. ("Reliance" Stone Crushers), Kingston, N. Y.

Walker Mfg. Co. ("Blake" & "Dodge"), Denver, Colo.
Walker & Elliott (Phosphate), Wilmington, Del.
Webb City & Carterville Foundry & Machine Works ("Blake" Crusher), Webb City, Mo.
Western Wheeled Scraper Co. (Rock), Aurora, Ill.
Wheeling Mold & Foundry Co., Wheeling, W. Va.
Williams Patent Crusher & Pulverizer Co. (Quartz Rock), 813 Montgomery, St. Louis, Mo.
Worthington Pump & Machinery Corp. 115 B'way, New York
*See adv index at end of book*

## 3458—Crushers (Rock & Ore, Gyratory)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Chalmers-Williams Mfg. Co. ("B. B."), 1461 Arnold, Chicago Heights, Ill.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Garfield Co., 1232 Hearst bldg., San Francisco, Cal.
Good Roads Machinery Co. Kennett Square, Pa.
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*
**SMITH ENGINEERING WORKS,** 3191 Locust, Milwaukee, Wis.
Traylor Engineering & Mfg. Co. ("Blake," etc), Allentown, Pa.
*See adv index at end of book*
Worthington Pump & Machinery Corp. 115 B'way, New York
*See adv index at end of book*

## 3459—Crushers (Rock & Ore, Hand Power)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Moyle E. H. Engng. & Equipt. Co. ("Moyle"), 508 E. 9th, Los Angeles, Cal.

## 3460—Crushers (Rock & Ore, Jaw)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Austin Mfg. Co. S. Michigan av, Chicago, Ill.
Case J. I. Threshing Machine Co., Racine, Wis.
Chalmers-Williams Mfg. Co. ("Blake," "Dodge"), 1461 Arnold, Chicago Heights, Ill.
Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Galena Iron Works Corp., Galena, Ill.
Good Roads Machinery Co., Kennett Square, Pa.
Gruemure Patent Crusher & Pulverizer Co., St. Louis, Me.
Hassell Iron Works Co., Colorado Springs, Colo.
**KENNEDY VAN SAUN MFG. & ENG. CORP.** ("Blake," "Dodge"), 120 Broadway, New York
*See adv index at end of book*
McFarlane-Eggers Machy. Co., Denver, Colo.
Moore Bros. (Second Hand), 39 S La Salle, Chicago, Ill.
*See adv index at end of book*
**SMITH ENGINEERING WORKS,** 3191 Locust, Milwaukee, Wis.
Stearns-Roger Mfg. Co., Denver, Colo.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Universal Crusher Co., Cedar Rapids, Ia.
Universal Road Machy. Co. ("Reliance"), Kingston, N. Y.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Worthington Pump & Machinery Corp., 115 B'way, New York
*See adv index at end of book*

## 3461—Crushers (Roll Hammer)

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**KENNEDY VAN SAUN MFG. & ENG. CORP.** ("Blake" Type), 120 Broadway, New York. *See adv index at end of book*

## 3461a—*Crushers (Roll Jaw)

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Kennedy Van Saun Mfg. & Eng. Corp. ("Dodge"), 120 B'way, New York
*See adv index at end of book*

## 3462— Crushers (Rotary)

**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Pennsylvania Crusher Co. (For Chemicals, Coal, Phosphate, Paints, etc), Stephen Girard bldg, Phila., Pa.
Sturtevant Mill Co. (For Chemicals, Paints, Phosphate, etc), Clayton & Park Dorchester, Boston, Mass.

## 3462a1—Crushers (Single Roll)

**PENNSYLVANIA CRUSHER CO.,** Stephen Girard bldg., Phila., Pa.

## 3462a— *Crushers (Slag)

Fuller Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O.
*See adv index at end of book*

## 3463— Crushers (Spindle)

Bethlehem Steel Co., South Bethlehem, Pa.

## Crushers (Sugar Cane)

See Mills, Sugar Cane

## 3464—Crushers & Levelers (Clod)

Brillion Iron Works, Brillion, Wis.
Cutaway Harrow Co. ("Clark," "Lightning"), Higganum, Conn.
Deere John Plow Works, Moline, Ill.
Deere & Co. ("Deere"), Moline, Ill.
Dunham Co. "Dunham," "Culti-Parker"), Berea, O.
Emerson-Brantingham Co. ("E B"), Rockford, Ill.
Grand Detour Plow Co. ("Grand Detour"), Dixon, Ill.
Moline Plow Co. ("Paralyzer" & "Brillion"), Moline, Ill.
Nash Duane H. ("Acme"), Millington, N. J.
Ohio Cultivator Co. ("Cyclone"), Bellevue, O.
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Parlin & Orendorff Co. ("P. & O. Canton"), Canton, Ill.
Rock Island Plow Co. ("Smasher"), Rock Island, Ill.
Rumely Leo Tractor Gear Co. ("Advance," "Scott," "Rumely"), La Porte, Ind.
Sechler D. M. Implement & Carriage Co ("Black Hawk"), Moline, Ill.
Sterling Mfg. Co. ("Sterling"), Sterling, Ill.

## 3464a— Crutches

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Warnick, E. H. Co., Wilkes-Barre, Pa.

## 3465— Crutches (Pole)

Hallett Iron Works ("Hallett"), Harvey, Ill.

## 3465a— *Crystal (Rock)

**DIAMOND DRILL CARBON CO.** (Also Brazilian), 59 Park Row, New York

## 3466—*Crystallizers (Ammonium Nitrate)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 3467— Crystallizers (Sugar)

Blymer Iron Works Co., Cincinnati, O.
Coatesville Boiler Works (Sugar), Coatesville, Pa.
Creason-Morris Co., Allegheny & 18th, Phila., Pa.
Devine J. P. Co., Buffalo, N. Y.
Dover Boiler Works. Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dyer Co., 2031 Euclid av, Cleveland, O.
**FABRICATED STEEL PRODUCTS CORP.,** Box 505, Leetonia, O.
*See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Joubert & Goslin Mach. & Fdry. Co., Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Lebanon Boiler Works, Lebanon, Pa.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Pusey & Jones Co., Wilmington, Del.
Riter-Conley Co., Oliver bldg., Pittsburgh, Pa.
Stearns-Roger Mfg. Co., Denver, Colo.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co., 140 Cedar, New York;
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill
Turl Iron & Car Co., Inc., The, 50 Broad, New York; Works: Newburgh, N. Y.
Von Phul Gilbert D. Hibernia Bank bldg., New Orleans, La.
Walsh & Weidener Boiler Co., Chattanooga, Tenn.
Whitney Iron Works Co., 849 Tchoupitoulas, New Orleans, La.

## 3468— Crystals

American Chemical Co. (Soda), 640 Carr, Cincinnati, O.
General Chemical Co. (Sulphide, Soda, Muriate of Tin), 25 Broad, New York
Solvay Process Co. (Mono-Hydrate & Snow Flake), Syracuse, N. Y.

## 3468a— Crystals (Fuchsine)

Dicks David Co., Inc., Varick & No Moore, New York
Fergusson, Alex C. Jr., 47 W. Chestnut, Phila., Pa.
*See adv index at end of book*
Wetterwald & Pfister Co., 276 Spring, New York *See adv index at end of book*

## 3468b—Crystals (Monohydrate)

Roessler & Hasslacher Chemical Co., 709 6th av, New York.
Solvay Process Co., Syracuse, N. Y.

## 3469— Crystals (Watch)

American Optical Co., Southbridge, Mass.
Bache Semon & Co. (Imp), 636 Greenwich, New York
Berger Albert & Co. ("W. B. & C."), 45 John, New York
Hammel, Riglander & Co., 47 Maiden la. New York
Seymour Ernest, 60 Nassau, New York
Waterbury Clock Co., Waterbury, Conn.

## 3470—Cube Sugar Apparatus

Hersey Mfg. Co., 314 W 2d, So. Boston, Mass.

## 3471—Cues (Billiard & Pool)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Pick Albert & Co., 212 W. Randolph, Chicago, Ill.
Spinks, Wm. A. & Co., 362 W. Erie, Chicago, Ill.
*See adv index at end of book*

## 3472— Cullet

Levy Max & Co. (Jobbers & Brokers), 845 Rees, Chicago, Ill.

## 3473—Cultivator Attachments

Empire Plow Co., 3140 E 65th, Cleveland, O.
Gale Mfg. Co., Albion, Mich.

## 3474— Cultivators
**(See also following headings)**

Akron Cultivator Co. (Riding & Walking Pivot-Axle Automatic, also Walking), Akron, O.
Albright Jas. H. & Sons (Riding & Walking), Mifflinburg, Pa.
Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
American Seeding Machine Co., Springfield, O.
Ames Plow Co., Quincy Hall, Boston, Mass.
Anderson Frank W., Portland, N. Y.
Arnold's G. W. Son, Ionia, Mich.
Avery B. F. & Sons (Riding & Walking), Louisville, Ky.
Babcock Mfg. Co. ("Otsego," Walking, One Horse), Leonardville, N. Y.
Bacon Mfg. Co. (Garden), Pontiac, Mich.
Bailor Plow Mfg. Co. (Corn & Cotton), Atchison, Kan.
Batavia Clamp Co., Batavia, N. Y.
Bateman Mfg. Co. ("Iron Age" Riding, Walking & Horse Hoe), Grenloch, N. J.
Beatrice Iron Works, Beatrice, Neb.
Belcher & Taylor Agl. Tool Co. (Prouts Hoeing Machine), Chicopee Falls, Mass.
Hement's E. Sons (Riding & Walking), Lansing, Mich.
Blount Plow Works (Walking & Riding, "True Blue" Spring Trip), Evansville, Ind.
Bridgewater Plow Corp. ("Superior" 5 Tooth), Bridgewater, Va.
Brinly Hardy Co. (Riding & Walking etc), Louisville, Ky.
Bristol & Gale Co. (Hand), 158 Carroll av, Chicago, Ill.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co. (Riding & Walking), Zanesville, O.
Burch Plow Works Co., Crestline, O.
Caledonia Bean Harvester Works, Caledonia, N. Y.
Case J. I. Plow Works ("Case Crank Shift," "Case Pivot Axle," "Case Pivot Frame," "Case Surface," "Case Seat Guide," "Eclipse," "New Texas," "Twin," Two Row Point Axle, "Turn Twin Narrow Tread," "Universal" Disc & Two Row Listed Corn Riding, & "Admiral," "Case Balance Frame," "Case Easy," "Case Easy Northern," "Case Easy Southern," Walking), Racine, Wis.
Champion Drill Co., Avon, N. Y.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Clore Wm. H. Mfg. Co. ("Dixie"), Washington, Ind.
Collins Plow Co. (Disc & Riding & Walking Combined), Quincy, Ill.
Cutaway Harrow Co., Higganum, Conn.
Davidson-Dietrich Plow Co., Evansville, Ind.
Deere John Plow Works (Walking, Riding Two Row, Lister, Disc), Moline, Ill.
Deere & Co. (Sugar Cane, also Walking, Riding & Combined Riding & Walking), Moline, Ill.
Deere & Co. (Alfalfa, Disc & Beet), Moline, Ill.
Dempster Mill Mfg. Co., Beatrice, Neb.
Dodge, H. C. Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
Donaldson Bros. ("Steel King," "Jiant," "Baldwin's American"), Mt. Clemens, Mich.
Doylestown Agricultural Co., Doylestown, Pa.
Elizabeth City Iron Wks. & Supply Co., Elizabeth City, N. C.
Emerson-Brantingham Co. ("E. B."), Walking, Riding, Lister, Beet, Motor) Rockford, Ill.
Empire Plow Co. ("Cleveland"), 3140 E 65th, Cleveland, O.
Eureka Mower Co. (Spike, Spring & Shovel Tooth, Walking, etc), 16 Hickory, Utica, N. Y.
Everts Mfg. Co., Meridian, N. Y.
Fairbanks Co. ("Acme"), Springfield, O.
Farquhar A. B. Co., Ltd. (Riding & Walking), York, Pa.
Gale Mfg. Co. (Riding or Walking, also Walking Tongue & Tongueless, also Fine Tooth, etc), Albion, Mich.
Genung C. W. (Disc & Single & Double Wheel), Madison, O.
Gowanda Agl. Works (Horse Hoe, etc), Gowanda, N. Y.
Grand Detour Plow Co. ("Uncle Sam," "Colonial" Walking & Riding), Dixon, Ill.
Greenville Implement Co. (Star Shovel), Greenville, Mich.
Harriman Mfg. Co., Harriman, Tenn.
Hartig W. F. Plow Co. (Up-to-Date), Evansville, Ind.
Hartman Mfg. Co. (Disc Riding & Walking), Vincennes, Ind.
Hayes Pump & Planter Co. ("Hayes" Riding & "Leila," "Slick," "Leader," Victor," Walking), Galva, Ill.
Herschel R. Mfg. Co. (Single Wheel), Peoria, Ill.
Hussey Plow Co., No Berwick, Me.
International Harvester Company of America (Inc.) (International-Deering-McCormick "P. & O.," Harvester bldg., Chicago, Ill.
Janesville Machine Co. (Disc & Lister), Janesville, Wis.
Massey-Harris Harvester Co., Batavia, N. Y.
Keller Mfg. Co., 1325 N E, Quincy, Minneapolis, Minn.
Kelly G. A. Plow Co, Longview, Tex.
Keystone Machine Co. (Riding & Walking), York, Pa.
Killefer Mfg. Co., 2209 Santa Fe, Los Angeles, Cal.
King Drill Mfg. Co., Nebraska City, Neb.
King & Hamilton Co. ("Little Boy"), Ottowa, Ill.
La Crosse Plow Co. (Riding & Walking), La Crosse, Wis.
Lean Roderick Mfg. Co. (Riding, "New Century 3 Star," "Simplex," "National"), Mansfield, O.
Lehr Agricultural Co. (Riding & Walking), Fremont, O.
Le Roy Plow Co., Le Roy, N. Y.
Long & Allstatter Co. (Riding, Walking, Tongue & Tongueless), Hamilton, O.
Lyon Iron Works, Greene, N. Y.
McDonald Wm. Sons, Lapeer, Mich.
Madison Plow Co. (Riding & Walking), Madison, Wis.
Maroa Mfg. Co., Maroa, Ill.
Mason F. C. & Co. ("Banner," Hand, etc), St. Johns, Mich.
Messinger Mfg. Co. (Steel King Walking), Tatamy, Pa.
Moline Plow Co. (Tongue Walking, Tongueless Walking, Riding, Combined Walking & Riding, Disc, Lister, etc, "Dandy," "Texas Dandy",) Moline, Ill.
Monitor Drill Co., St. Louis Park, Minn.
Monmouth Plow Factory (Riding, Combined Walking & Tongueless, "Monmouth"), Monmouth, Ill.
Moore Plow & Implement Co. (Beet & Garden), Greenville, Mich.
Munnsville Plow Co. Steel Frame, Wheel, Harrow, Lever, etc), Munnsville, N. Y.
National Drill Co., Cambridge City, Ind.
Norcross C. S. & Sons (Garden Wheel), Bushnell, Ill.
O'Neil T. L. ("Flying Sweedes" for Listed Corn, etc), Marseilles, Ill.
Ohio Cultivator Co. (Sulky & Walking, "Famous Ohio"), Bellevue, O.
Ohio Rake Co. (Riding, "Dayton"), Dayton, O.
Oliver Chilled Plow Works ("Oliver," Walking & Riding), South Bend, Ind.
Palmer Jarvis, Northville, Mich.
Parlin & Orendorff Co. ("P. & O." Riding, Walking, Disc, One Horse, Beet, Orchard, Listing, Cane, Surface, Tongueless), Canton, Ill.
Pattee Plow Co. ("New Departure" Disc, "Biplane" Shovel, "Pattee" Listed Corn), Monmouth, Ill.
Patterson Mfg. Co., Holly, Mich.
Peru Plow & Wheel Co. (Riding & Walking), Peru, Ill.
Racine-Sattley Co. (Walking, Riding & Combined "Sattley," "Corker," "Monarch," "Banner," "Sangamo," "Noxall," "New Prime" (2 Row), "Warner," "Lucky Hit," "Easy Way," "Hummer," "Only Way," 81 R., 82 R.),, Springfield, Ill.
Reed Fdry. & Mach. Co. ("Reed" All Steel), Kalamazoo, Mich.
Rock Island Plow Co. (Riding & Walking), Rock Island, Ill.
Rockford Mfg. Co. ("Dewey," "Tiger," "Hiram," "Rockford"), Rockford, Ill.
Rowland T. T. & Son, Tuscumbia, Ala.
Sargent, Osgood & Roundy Co., Randolph, Vt.
Smith D. B. & Co. (Walking), Utica, N. Y.
South Bend Chilled Plow Co. (Riding & Walking), South Bend, Ind.
Southern Plow Co., Triple, Columbus, Ga.
Southern Plow Co., Dallas, Texas.
Sparta Plow Works, Sparta, Ill.
Sterling Mfg. Co., Sterling, Ill.
Swanson Plow Co., Muskogee, Okla.
Swanson-St. Joseph Plow Co., St. Joseph, Mo.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson Plow & Engine Works, Beloit, Wis.
Tower J. D. & Sons Co. (Walking & Riding, "Tower Surface"), Mendota, Ill.
Towers & Sullivan Mfg. Co. ("Little Joe," "Champion," "Eureka"), Rome, Ga.
Ulrich Mfg. Co., Rock Falls, Ill.
Van Brunt Mfg. Co., Horicon, Wis.
Washington Weeder Works (Double Disc Weeder), Walla Walla, Wash.
West & Townsend, Martinsville, O.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
White's S. R. Sons ("Cotton King," "Carolina," "Daisy," "D-Arrow"), Norfolk, Va.
Wood Bros. Thresher Co., Des Moines, Ia.
Wood Walter A. Mowing & Reaping Machine Co. ("Queen"), Hoosick Falls, N. Y.
Woodhouse J. S. Co., 191 Water, New York

## 3475— Cultivatcrs (Alfalfa)

Bucher & Gibbs Plow Co. ("Imperial"), Canton, Ohio
Deere & Co. ("Deere" Drag Bar Type), Moline, Ill.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
Lean Roderick Mfg. Co. ("Roderick Lean"), Mansfield, O.
Light Draft Harrow Co. ("Kerkner"), Marshalltown, Ia.
Moline Plow Co. ("Moline"), Moline, Ill.
Reschke Machine Works, Wichita, Kan.
South Bend Chilled Plow Co. ("South Bend"), South Bend, Ind.

## 3476—Cultivators (Bean & Corn)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
American Seeding Machine Co., Springfield, O.
Bailor Plow Mfg. Co., Atchison, Kans.
Bucher & Gibbs Plow Co. (One & Two Horse Beet & Corn), Canton, O.
Case J. I. Plow Works, Racine, Wis.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
Moline Plow Co. ("Michigan" "Flying Dutchman"), Moline, Ill.
Ohio Cultivator Co. ("Ohio"), Bellevue, O.
Oliver Chilled Plow Works, South Bend, Ind.
Reschke Machine Works, Wichita, Kans.
Rock Island Plow Co., Rock Island, Ill.
Tower J. D. & Sons Co. ("Tower"), Mendota, Ill.
Wood W. A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

## 3477— Cultivators (Beet)

Akron Cultivator Co. ("Kraus" Pivot Axle 2 Row), Akron, Ohio
Allen S. L. & Co. ("Planet Jr." 2 & 4 row), 5th & Glenwood, Phila., Pa.
Bateman Mfg. Co. ("Iron Age" 2 row), Grenloch, N. J.
Brown Mfg. Co. (Two Row), Zanesville, O.
Bucher & Gibbs Plow Co. ("Imperial" two Row), Canton, O.
Deere & Co. ("Deere" Steel, Two Row), Moline, Ill.
Deere & Co. (2 & 4 Row), Moline, Ill.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
Emerson-Brantingham Co. ("E. B."), 3140 E 65th, Rockford, Ill.
Gale Mfg. Co. ("Gale" 2 Row), Albion, Mich.
Hayes Pump & Planter Co. ("Leader," "Victor" Two Row), Galva, Ill.
Lehr Agricultural Co. (Two Row), Fremont, O.
Moline Plow Co. ("Moline" 2 Row Walking, & 4 Row Riding), Moline, Ill.
Moore Plow & Implement Co. ("Moore" 2 Row), Greenville, Mich.

Ohio Cultivator Co. ("Ohio" 2 Row), Bellevue, Ohio
Parlin & Orendorff Co. ("P. & O. Canton" Two & Four Row), Canton, Ill.
Wood Walter A. Mowing & Reaping Co., Hoosick Falls, N. Y.

## 3478— Cultivators (Garden)

Akron Cultivator Co. ("Akron" Wheel, Hand), Akron, O.
Allen S. L. Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
American Fork & Hoe Co. ("Invincible" & "Victor" Hand & Garden Plows & Seeders, Double & Single Wheel Cultivators), Swetland bldg., Cleveland, O.
Ames Plow Co. ("New Universal" Wheel), Quincy Hall, Boston, Mass.
Avery B. F. & Sons ("Avery" Wheel, Hoe, Plow & Weeder), Louisville, Ky.
Bacon Mfg. Co. ("Bacon" Wheel), Pontiac, Mich.
Bateman Mfg. Co. ("Iron Age" Wheel, Hoe, Plow, Weeder), Grenloch, N. J.
Blocki F. Co. ("Blocki"), Sheboygan, Wis.
Brinly Hardy Co. ("Columbia" Wheel, Hoe, Plow & Weeder), Louisville, Ky.
Bristol & Gale Co. (Wheel Hand), 158 Carroll av, Chicago, Ill.
Brown Mfg. Co. ("Perfection"), Zanesville, O.
Brown-Manly Plow Co. ("Fair," "Rival," Wheel Hoe, Plow & Weeder), Malta, O.
Buffum Tool Co. ("New Boss"), South Side, Louisiana, Mo.
Crescent Forge & Shovel Co. (Wheel), Havana, Ill.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Boston, Mass.
Gale Mfg. Co., Albion, Mich.
Empire Plow Co. ("Baby," "Push Bars," "Boy Scout," "Rural," "Wizard," Wheel Hand), 3140 E 65th, Cleveland, O.
Genung C. W. ("Iron King" Wheel), Madison, O.
Greenville Implement Co. ("Banner," "Garden King," "Peerless" Wheel), Greenville, Mich.
Hartman Mfg. Co. ("Little Gem," "Tip Top"), Vincennes, Ind.
Herschel R. Mfg. Co. ("Standard"), Peoria, Ill.
Lean Roderick Mfg. Co., Mansfield, O.
Light Draft Harrow Co. ("Forkner"), Marshalltown, Ia.
Mason F. C. & Co. ("Banner" Wheel), St. Johns, Mich.
Moore Plow & Implement Co. ("Gem," "Go-Easy," "Moore's" Wheel), Greenville, Mich.
National Drill Co., Cambridge City, Ind.
New Idea Spreader Co. ("Coldwater," "New Idea"), Coldwater, O.
Niemann & Hieronymus (Rotary), Mt. Olive, Ill.
Norcross C. S. & Sons ("Norcross" Hand), Bushnell, Ill.
Ohio Cultivator Co. ("Little Giant," "Magnolia," "Ohio," "Skaboo," "Southern Queen," "Climax," "Dexter" Wheel), Bellevue, O.
Parlin & Orendorff Co. ("P. & O. Canton" Wheel, Hoe, Plow & Weeder), Canton, Ill.
Peru Plow & Wheel Co. ("Clipper"), Peru, Ill.
Pull-Easy Mfg. Co. ("Pull-Easy"), Waukesha, Wis.
Sheffield Mfg. Co. (Hand), Burr Oak, Mich.
South Bend Chilled Plow Co. ("Jewell," "Newmarket"), South Bend, Ind.
Tenney & Co., Decatur, Ill.
Thornburgh Mfg. Co. ("National," "Peerless," "Rival," "Toledo," "Garden King," Wheel, Hoe, Plow & Weeder), Bowling Green, O.
Whitaker Mfg. Co. ("Dixie," "Excelsior," "Gem," "Jarvis," "National," "Reliance," "Whitaker"), 409 S Green, Chicago, Ill.

## 3479— Cultivators (Onion)

See also Drills, Onion

Allen S. L. & Co. ("Planet Jr." Wheel Hand), 5th & Glenwood, Phila., Pa.
Bacon Mfg. Co. ("Bacon," Wheel Hand), Pontiac, Mich.
Clark W. J. Co., Salem, O.
Dodge, H. C., Inc. ("Spry Wheel"), 48 Alger, Mass.
Genung C. W. ("Iron King," Wheel Hand), Madison, Ohio

## 3480-1— Cultivators (Sled)

Avery B. F. & Sons ("Avery" 1 & 2), Louisville, Ky.
Deere & Co. ("John Deere" No. 4), Moline, Ill.
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Grand Detour Plow Co. ("Grand Detour"), Dixon, Ill.
Ohio Cultivator Co. ("Challenge," "Defiance," "Easy," "Hustler," "New Easy," "New Ohio"), Bellevue, O.
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Swanson-St. Joseph Plow Co., St. Joseph, Mo.

## Culvert Forms

See Centering, Steel; also Concrete Forms

## 3482— Culverts (Cast Iron)

See also Cast Iron Pipe Mfrs., Gas & Water

American Casting Co. ("National" Lock Joint), Birmingham, Ala.
Beach Mfg. Co, Charlotte, Mich.
Brillion Iron Works ("Sperry Perfection"), Brillion, Wis.
Builders' Steel Products Co., 1210 Fidelity, Phila., Pa.
Burch Plow Works Co. ("Burch" Expansion), Crestline, O.
Colby N. H. ("Sperry Perfection"), Granville, Ill.
Galion Iron Works & Mfg. Co. ("Ideal"), Galion, O.
Metal Post & Culvert Co., Niles, O.
Munnsville Plow Co. ("Sperry Perfection"), Munnsville, N. Y.
Rothe Jos. F. Foundry Co. ("Daggett's Expansion), Green Bay, Wis.
United States Cast Iron Pipe & Foundry Co., Burlington, N. J.
Wetter H. Mfg. Co. ("Sperry Perfection"), Memphis, Tenn.

## Culverts (Corrugated, Galvanized Iron, Etc.)

See Culverts, Road

## 3483— Culverts (Road)

American Casting Co. ("National" Lock Joint Cast Iron & Railroad), Birmingham, Ala.
American Road Machinery Co. (Corr. Iron), Kennett Sq., Pa.
American Rolling Mill Co. ("American Ingot Iron"), Middletown, O.
Arnett Lee Co. (Corrugated), Lincoln, Neb.
Atlas Metal Works (Corrugated), Dallas, Tex.
Bark River Bridge & Culvert Co. (Corrugated), Bark River, Mich.
Beatrice Iron Works (Metal), Beatrice, Neb.
Beatrice Steel Tank Mfg. Co. ("New-Way"), Beatrice, Neb.
Booth & Flinn (Ltd.) (Concrete), Pittsburgh, Pa.
Builders' Steel Products Co., 1210 Fidelity, Phila., Pa.
Butler Mfg. Co. ("Rus-Pruf" Steel), Kansas City, Mo.
Butler Mfg. Co., 700 6th av, S E, Minneapolis, Minn.
California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
Canton Culvert & Silo Co. ("No-Co-Ro" Metal), Canton, O.
Capital City Culvert Co., Madison, Wis.
Champion Bridge Co. (Iron), Wilmington, O.
**COAST CULVERT & FLUME CO.** (Corrugated Metal), Kenton Station, Portland, Ore. *See adv index at end of book*
Columbian Steel Tank Co., New England bldg (Corrugated), Kansas City, Mo.
Coral Concrete Culv. Mfg. Co., Coral, Mich.
Corrugated Culv. Co. (Corr), Moberly, Mo.
Crawfordsville Corrugated Culvert Co., Crawfordsville, Ind.
Dixie Culvert & Metal Co. (Corr.), Atlanta, Ga.
Dominion Metal Product Co. ("Imperial," Round Riveted, "Acme" Nestable), Roanoke, Va.
Duluth Corr. & Rfg. Co., Duluth, Minn.
Elkhart Bridge & Iron Co., Elkhart, Ind.
Florida Metal Products Co. ("Acme" Nestable & "Imperial" Riveted Corrugated Metal), Jacksonville, Fla.
Fort Dodge Culv. & Iron Mills Co. (Corr.), Fort Dodge, Ia.
Galion Iron Works & Mfg. Co. ("Sterling" Corrugated Metal), Galion, O.
Grand Island Culvert & Metal Works, Grand Island, Neb.
Harry Bros. Co. (Corr. Galv. Iron), Carr av & I. C. R. R., New Orleans, La.
Harry O. K. Steel Co. (Steel), 2333 Papin, St. Louis, Mo.
Harry O. K., Steel Works (Corrugated Steel), Dallas, Tex.
Heller-Aller Co. (Galv. Steel), Napoleon, O.
Holzer R. G. (Est. of) (Corrugated Rain), 317 Burgundy, New Orleans, La.
Ill. Corr. Metal Co. (Corr.), Springfield, Ill.
Independence Corrugated Culvert Co. (Corrugated), Independence, Ia.
Iowa Pure Iron Culvert Co., Des Moines, Ia.
Kelly Fdry. & Mach. Co. (Galv. Iron), Goshen, Ind.
Ky. Culv. & Mfg. Co. (Corr.), Louisville, Ky.
Klauer Mfg. Co. (Corr. Galv.), Dubuque, Ia.
Kretchmer Mfg. Co. (Corrugated Metal), Council Bluffs, Ia.
Lyle Corr. Culv. Co. (Corr.), 171 27th av S E, Minneapolis, Minn.
Martin Metal Mfg. Co (Corr.), Wichita, Kan.
Maryland Culvert & Metal Co. ("Armco" Sheet Metal), Munsey bldg., Baltimore, Mich.
Metal Engineering Co. (Smooth Bottom), Danville, Pa.
Metal Post & Culvert Co., Niles, O.
Michigan Bridge & Pipe Co. (Corr), Lansing, Mich.
Midland Metal Mfg. Co., Ottumwa, Ia.
Minnesota Pipe & Tile Co., Mankato Minn.
Mobile Steel Co., Mobile, Ala.
Montana Culvert & Flume Co. (Corr.), Missoula, Mont.
National Corrugated Culvert Mfg. Co. (Corrugated Metal), Warren, Pa.
Neb. Culv. & Mfg. Co. (Corr.), Wahoo, Neb.
New Eng. Metal Culv. Co. (Corr.), Palmer, Mass.
New Orleans Roofing & Metal Co., ("Nola" Galvanized Iron), Cortez & Orleans, New Orleans, La.
Newport Culvert Co. (Corrugated Metal), Newport, Ky.
Newport Rolling Mill Co. (Corr.), Newport, Ky.
N. Dak. Metal Culv. Co. (Corr.), Fargo, N. D.
Northeast Metal Culv. Co. (Corr.), Nashua, N. H.
Northfield Iron Co. (Plain Bottom Corr.), Northfield, Minn.
Northwestern Sheet & Iron Wks., Wahpeton, N. D.
Ohio Corr. Culv. Co. (Corr), Middletown, O.
O'Neal William Q. Co. (Corr.), Crawfordsville, Ind.
Penn Metal Co. (Corrugated), Smooth bottom, flat bottom, and all round corrugated one and two piece), 65 Franklin, Boston, Mass.
Penna. Metal Culv. Co. (Corr.), Warren, Pa.
Perfection Metal Products Co. (Corr.), Topeka, Kan.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross., Pittsburgh, Pa. *See adv index at end of book*
Pidgeon-Thomas Iron Co. (Galv. Iron), Memphis, Tenn.
Platte Valley Cement Tile Mfg. Co. (Tile), Fremont, Neb.
Princeton Sheet Metal Co. (Corr.), Princeton, Ind.
Red Oak Bridge & Iron Works, Red Oak, Iowa
Reeves Mfg. Co., Dover, O.
Road Sup. & Metal Co. (Corr.), Topeka, Kan.
Russell Grader Mfg. Co. (Corrugated), 2005 Univ. av, S E, Minneapolis, Minn.
Sioux Falls Metal Culv. Co. (Corr.), Sioux Falls, S. D.
Spokane Culv. & Tank Co., Spokane, Wash.
Tenn. Metal Culv. Co. (Corr.), Nashville, Tenn.

CULVERTS (ROAD)—continued

Texas Tank & Culvert Co., Fort Worth, Tex.
Utah Corrugated Culv. & Flume Co. (Corr.), Woods Cross, Utah
Warsaw-Wilkinson Co. (Steel), Warsaw, N. Y.
Western Metal Mfg. Co. (Corr.), El Paso, Tex.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling W. Va.
Wisconsin Culv. Co. (Corr.), Madison, Wis.

## 3483a—Culverts (Segment Block)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Dickey, W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
San Antonio Sewer Pipe Works, San Antonio, Tex.

## 3483b—Culverts (Vitrified Clay Pipe)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Mexican Clay Mfg. Co., Mexico City, Mo.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Tex.
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.

## 3483c— Cumarin

Barrett Co. (Panacoumarche), 17 Battery pl, New York
DuPont Chemical Works, 120 B'way, New York

## 3484— Cupboards (Steel)

Terrell's Equipment Co., Grand Rapids, Mich.

## 3485— Cupels

Braun-Knecht-Heimann Co. (Calmix), 576-584 Mission, San Francisco, Cal.
Denver Fire Clay Co. ("Casite"), Denver, Colo.
Dixon Joseph Crucible Co., Jersey City, N. J.

## 3486—Cupola Linings or Blocks

Ashland Fire Brick Co., Ashland, Ky.
Berry Jas. E., Woodbridge, N. J.
Bickford Fire Brick Co., Curwensville, Pa.
Big Savage Fire Brick Co., Frostburg, Md.
Brighton Fire Brick Co., New Brighton, Pa.
Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Chambers A. Beeder, Trenton, N. J.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.
*See adv index at end of book*
Chicago Retort & Fire Brick Co., Ottawa, Ill.
Climax Fire Brick Co. ("Climax"), Climax, Clawn Co., Pa.
Columbia Fire Brick Co., Canton, O.
Cooper Jno., 111 Clay, Brooklyn, N. Y.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Fire Clay Co., Denver, Colo.
Diamond Fire Brick Co., Canon City, Colo.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Didier-March Co., Perth Amboy, N. J.
**Edge Hill Silica Rock Co. (Mica Schist Fire Stone), New Brunswick, N. J.**
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Federal Clay Product Co., Mineral City, O.
Fiske & Co., 25 Arch, Boston, Mass.
Garden City Sand Co., Chamber of Comm. bldg, Chicago, Ill.
Garfield Fire Clay Co., Robinson, Pa.
Gautier J. H. & Co., 1 Greene, Jersey City, N. J.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Haws A. J. & Sons (Ltd.), Johnstown, Pa.
Howard Co., New Haven, Conn.
Kier Fire Brick Co., Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Laclede-Christy Clay Products Co., Railway Exch bldg., St. Louis, Mo.
Livermore Fire Brick Works, Niles, Cal.
McLeod & Henry Co. (Steel Mixture), 360 1st, Troy, N. Y.
Maurer Henry & Son, 420 E 23d, New York
Mississippi Glass Co., 220 5th av, New York
Mutton Hollow Fire Brick Co., Woodbridge, N. J.
Ohio Fire Brick Co., Oak Hill, O.
Ostrander Fire Brick Co., Troy, N. Y.
Parker-Russell Mining & Mfg. Co., Laclede Gas Light bldg, St. Louis, Mo.
Portsmouth Refractories Co., Portsmouth, O.
Presbrey Stove Lining Co., Taunton, Mass.
Remmey Richard C. Son Co., Hedley & Del, Phila, Pa.
St. Louis Vitrified & Fire Brick Co., Wainwright bldg, St. Louis, Mo.
Sneyd Enameled Brick Co., Trenton, N. J.
Standard Fire Brick Co., Pueblo, Colo.
Thomas, Buckwater & Co., Royersford, Pa.
Thomas Moulding Brick Co., 1203 Chamber of Comm., Chicago, Ill.
United Fire Brick Co., Uniontown, Pa.
Valentine M. D. & Bro. Co., Woodbridge, N. J.
Wagner Fire Brick Co., Scranton, Pa.
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.
West Virginia Fire Clay Mfg. Co., Diamond Bank bldg, Pittsburg, Pa.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Woodison E. J. Co. ("Woodison"), 1621 St. Aubin, Detroit, Mich.

## 3487— Cupolas (Barn)

Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Bernard Phillip Co. ("O. K."), Sioux City, Ia.
Heine Jno. F. & Son, Hooper, Neb.
King Ventilating Co., Owatonna, Minn.
Klauer Mfg. Co., Dubuque, Ia.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Litchy B. F. & Sons ("Monitor"), Waterloo, Ia.
Shrauger & Johnson Co. ("Chief," All-Steel), Atlantic, Ia.

## 3488— Cupolas (Foundry)

Barry & Zecher Co. ("Zecher"), Lancaster, Pa.
Central Foundry Supply Co. ("Callian"), P. O. Box 945, Columbus, O.
Connelly D. Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
Detroit Foundry Co. ("Crandall"), E Grand blvd & Rupelle, Detroit, Mich.
Hibbs E. A., Quarry & Bread, Phila., Pa.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Meehan Boiler & Construction Co., Lowellville O.
Mohr John & Sons, 349 W Illinois, Chicago, Ill.
**NORTHERN ENGINEERING WORKS** ("Newten"), 9 Chene, Detroit, Mich.
*See adv index at end of book*
Paxson J. W. Co. ("The Paxson-Colliau"), 1021 N Delaware av, Phila., Pa.
Seeger Machine Tool Co. (also Equipment), 34 S. Forsyth, Atlanta, Ga.
*See adv index at end of book*
Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.
Sotter Bros., Pottstown, Pa.
Stewart Boiler Works, Worcester, Mass.
Whiting Foundry Equipment Co. (Also Portable), 157th & Halstead, Chicago, Ill.

## 3489—*Cupolas ("The Newten")

**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*

## 3490— Cupro-Uranium

Standard Chemical Co., Vanadium bldg, Pittsburgh, Pa.

## 3491— Cupro-Vanadium

Standard Chemical Co., Vanadium bldg, Pittsburgh, Pa.
Vanadium Corp. of Am., Equitable bldg., New York.

## Cups (Aluminum)

See Cups, Drinking, Collapsible

## 3492— Cups (Automobile)

Bossert Corp. (The) (Clutch Coil), cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
Perry-Fay Mfg. Co., Elyria, O.
U. S. Automatic Co., Amherst, O.

## 3493— Cups (Ball)

**BOSSERT CORPORATION, THE,** (Hardened), cor. Linden & West av., Utica, N. Y. *See adv index at end of book*
Boston Pressed Metal Co. (To Order for Lawn Mowers, Sewing Machines, Roller Skates, Bicycles, Motor Cycles, etc), 170 Union Worcester, Mass.
Matthews Mfg. Co., 104 Gold, Worcester, Mass.

## 3494—Cups (Bubbling, for Drinking Fountains)

Watrous Co. ("Watrous"), 524 S Racine, Chicago, Ill.

## Cups (Carbon)

See Carbon Mfrs.

## 3494a— Cups (Color)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 3495—Cups (Drinking, Collapsible, Etc.)

Aluminum Container Corp., Fulton, N. Y.
Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
Aluminum Specialty Co., Manitowoc, Wis.
Aluminum Ware Mfg. Co., Inc., Elmira, N. Y.
American Thermos Bottle Co. ("Thermocups"), Norwich, Conn.
Buckeye Aluminum Co. (Aluminum), Wooster, O.
Cassady, Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.
Fargo E. A. Co. (Aluminum), Taunton, Mass.
Noera Mfg. Co. ("Noera" Collapsible Drinking Cups), Waterbury, Conn.
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Wilson Wyle T. (Paper), 1151 N 3rd, Pittsburgh, Pa.

## Cups (Drinking, Paper)

See Cups, Paper

## 3496— Cups (Elevator)

See also Buckets, Elevator & Conveying
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Sprout, Waldron & Co., Muncy, Pa.

## 3497—Cups (Force, Rubber)

Anderson Rubber Works, Anderson, Ind.
Beereis & Bossich Co. (Div. of the Bossich Co.), Bridgeport, Conn.
Bunnell W. H., 178 Centre, New York
Coleman Allan J. ("Improved"), 208 N. Wabash av, Chicago, Ill.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Hodgman Rubber Co., 8 W 40th, New York

Keystone Speciality Co., Scranton, Pa.
Mattson Rubber Co., Lodi, N. J.
National India Rubber Co., Bristol, R. I.
Norwalk Mfg. Co., E. Norwalk, Conn.
Pennsylvania Rubber Co., Jeannette, Pa.
Quabaug Rubber Co., North Brookfield, Mass.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Rubber & Celluloid Products Co., Newark, N. J.
Schacht Rubber Mfg. Co. ("Daisy"), Huntington, Ind.

## 3497a—Cups (Grease Automobile)

**BOSSERT CORPORATION (THE)**, cor. Linden and West av, Utica, N. Y. *See adv index at end of book*
International Lubricants Co., Ltd., 350 N Clark, Chicago, Ill.
**LUNKENHEIMER CO.** ("Owl," "Lock," "Grip," "Guard," "Checklock," "Ferro," "Securo," "Primo" and "Wingo"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## Cups (Hand, Rubber)

See Cups, Force, Rubber

## 3498— Cups (Leather)

See also Gaskets, Rubber

**AMERICAN WASHER WORKS**, 178 Center, New York *See adv index at end of book*
Auer C. A., Corry, Pa.
**BARWOOD L. J. MFG. CO.** ("Barwood"), Stoneham, 80 Boston, Mass. *See adv index at end of book*
Detroit Leather Specialty Co. ("Wear Well"), 275 Beecher av, Detroit, Mich.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York *See adv index at end of book*
Etsweiler William, 230 N 3rd, Phila., Pa.
Graton & Knight Mfg. Co., Worcester, Mass.
Houghton E. F. & Co. ("Vim," Hydraulic, etc), 240 Somerset, Phila., Pa.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Marston I. G. & Co., 226 Ruggles, Boston, Mass.
Page Belting Co., Concord, N. H.
Schieren Chas. A. Co., 30 Ferry, New York
Western Packing & Supply Co., 231 N. Wells, Chicago, Ill. *See adv index at end of book*

## 3498a— Cups (Match)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

## 3499— Cups (Measuring)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Cassady Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.
Chapman Co. ("Chapman"), Geneva, New York
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Fargo E. A. Co. (Aluminum), Taunton, Mass.
Lalance & Grosjean Mfg. Co. (Enameled Iron, Tin, etc), 299 B'way, New York
Sneath Glass Co. (Glass), Hartford City, Ind.

## 3499a— Cups (Oil)

See also Lubricators, Oil & Grease Cup

Allen W. D. Mfg. Co. ("Pease"), 566 W Lake, Chicago, Ill. *See adv index at end of book*
American Galco Inc. ("Conus"), Spring Cover, Grand Central Palace, New York.
Am. Safety Lamp & Mine Supply Co., Scranton, Pa.
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*

## 3500— Cups (Paper)

American Blank Book Mfg. Co. (Drinking Everlasting), 150 Lafayette, New York
American Lace Paper Co., 419 3rd, Milwaukee, Wis.
American Paper Goods Co., Kensington, Conn.
American Water Supply Co., 251 Causeway, Boston, Mass.
Baum Bros. Co., Denver, Colo.
Brown Bag Filling Machine Co. (Flat, Drinking), Fitchburg, Mass.
Burnitol Mfg. Co., Orient av, Boston, Mass.
**CUTTER TOWER SUPPLY CO.**, 405 Lexington av., New York
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Gair Robert Co., 50 Washington, Bklyn, N. Y.
Germproof Cup Machine Co. Inc., 136 Liberty, New York
Individual Drinking Cup Co., 220 W 19th, New York
John Mfg. Co. (Glasses), Springfield, O.
Kimpton Ed. Co., 60 John, New York
Kuhmarker Mfg. Co., 260 West, New York
Lily Cup Co., 120 B'way, New York
Mansell-Hunt-Catty & Co., 22 Reade, New York
Milwaukee Lace Paper Co., Milwaukee, Wis.
Nelson L. H. Co., Portland, Me.
Public Service Cup Co. ("Lily Cup"), 168 39th, Brooklyn, N. Y.
Purity Specialties Co., Denckla bldg, Phila., Pa.
Sanitary Paper Cup Co. ("Sanasep"), 17 Harcourt, Boston, Mass.
Sayford Paper Specialty Co., Vineland, N. J.
Spangler E. J. Co., 1237 N Howard, Phila., Pa.
Standard Drinking Cup Co., Pittsburgh, Pa.
**STANDARD ENVELOPE CO.** ("Victor"), 296 B'way, New York.
Stone & Forsyth Co. (Drinking & Sputum Cups), 67 Kingston, Boston, Mass.
Vortex Mfg. Co. ("Vortex"), 421 N. Western av, Chicago, Ill.
Wayne Paper Goods Co., Fort Wayne, Ind.
Wilson Wylie T. (Collapsible), 1151 No. 3rd, Phila., Pa.
Wolf Bros. ("Standard"), 330 N 12th, Phila., Pa.

## 3501—Cups (Plumbers' Soil)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Knapp Mfg. & Supply Co., 241 Water, New York
Stortz Jno. & Son, 210 Vine, Phila., Pa.

## 3502— Cups (Porous)

Maddock John & Sons, Trenton, N. J.
Ohio Pottery Co. (Medium Hard Burned Clay), Zanesville, O.
Robinson Clay Product Co., Akron, O.

## 3503— Cups (Priming)

Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*
American Lubricator Co., Summit & Wabash Ry, Detroit, Mich.
Bowen Products Corp. Divs., Auburn, N. Y., Detroit, Mich., Cleveland, O., Minneapolis, Minn., & Windsor, Ont., Can. *See adv index at end of book*
Detroit Brass Works, 331 Holden, Detroit, Mich.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Duryea C. E. Co. ("Durtout"), Saginaw, Mich.
Edelmann E. & Co., 341 E Ohio, Chicago, Ill.
Fidelity Brass Mfg. Co., 1001 Wash blvd, Chicago, Ill.
Hancock Mfg. Co., Charlotte, Mich.
Imperial Brass Mfg. Co. (For Automobile & Motor Boat), 524 S Racine av, Chicago, Ill. *See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O *See adv index at end of book*
**McRAE & ROBERTS CO.** (For Automobiles), 227 Campbell av, Detroit, Mich. *See adv index at end of book*
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Michigan Motor Specialties Co. ("Becco"), 26 Dubois, Detroit, Mich.
Morgan Mfg. Co., Inc., Keene, N. H.
National Brass Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Powell Wm. Co., Cincinnati, O.
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
Standard Brass Works, 97 Wight, Detroit, Mich.
Sterling & Skinner Mfg. Co., 2672 E Grand blvd, Detroit, Mich.
Swenson B. A., 522 Broad, Providence, R. I.
Utility Compressor Co., 355 Harper, E Detroit, Mich.
Williams D. T. Valve Co., Cincinnati, O.

## 3503a— Cups (Spit)

Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*

## 3503b—Cups (Sputum, Porcelain & Metal)

Baum Bros. Co. (Sanitary), Denver, Colo.
Franks-Sani-Cover Supply Co. ("Sani-Cover"), Cambridge, Mass.

## 3504— Cups (Turpentine)

Florida Metal Products Co. (also Strips and Aprons), Jacksonville, Fla.
Herty Turpentine Cup Co., Jacksonville, Fla.
Krager Turpentine Cup Co., Daisy, Tenn.
Lerio Patent Cup Co., Mobile, Ala.
Mobile Steel Co. (also Aprons), Mobile, Ala.
Pringle Turpentine Cup Co., Biloxi, Miss.

## 3505— *Cups (Wiper)

**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 3506— *Cups (Wooden)

**BOGERT & HOPPER INC.** (Caster, Dice, Pen and Quassia, etc.), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS** (Caster, Dice, Pin, Quassia, etc), 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 3507— Curbing (Vitrified)

American Sewer Pipe Co., Akron, O.

## 3508— Curbing (Well)

Bates E. E. & J. H. ("Bates," "Excelsior"), Arlington, Providence, R. I.
Coast Culvert & Flume Co., Portland, (Kenton Sta.), Oregon *See adv index at end of book*
Harry O. K. Steel Works (Corrugated Steel), Dallas, Tex.
Kretchmer Mfg. Co. (Corrugated Steel), Council Bluffs, Ia.

## 3509— Curbs (Valve)

American District Steam Co. (Cast Iron for Steam Underground Work), North Tonawanda, N. Y.
Central Station Steam Co. (Manhole), 710 Woodbridge, E Detroit, Mich.

## 3510— Currycombs

Bailey C. J. & Co. ("Black Beauty," Rubber), 22 Boylston, Boston, Mass.
Decker Mfg. Co. ("Arc Spring"), Keokuk, Ia.
Fitch W. & E. T. Co., New Haven, Conn.
Hills Edwin, Plainville, Conn.
Jackes-Evans Mfg. Co., Main & Tyler, St. Louis, Mo.
Kohler F. E. Co. ("Kohler," All Steel or Brass, "Magic," "Humane"), Canton, O.
Matthews & Willard Mfg. Co., Waterbury, Conn.
National India Rubber Co. (Rubber), Bristol, R. I.
New York Stamping Co. ("Eclipse," "Reform"), N 11th & Berry, Brooklyn, N. Y.
Niagara Falls Metal Stamping Works ("Niagara" & "Ideal"), Niagara Falls, N. Y.
Southington Hardware Co. ("Scott"), Southington, Conn.
Union Furnace Mfg. Co., Union Furnace, Pa.

CURRYCOMBS—continued

Weber & Kirch Mfg. Co. ("Winner," "Alston's" Spring Handle), Keokuk, Ia.
Whirrett Bros., Delphos, O.
Wisconsin Metal Products Co. ("Advance," "Perfect," "Hunter," "Toothless"), Racine, Wis.

## 3510a—Curtain Carrying Devices (For Theatre, Etc.)

McCabe Hanger Mfg. Co., 426-428 W 25th, New York *See adv index at end of book*

## 3510b— *Curtain Stretchers

See also Stretchers, Curtain

**BUFFALO STRETCHER MFG. CO.** (Buffalo), 1422 Niagara, Buffalo, New York

## Curtains (Car)

See Car Curtains & Materials

## 3511—Curtains (Locomotive Cab)

**ATLANTA TENT & AWNING CO.,** Atlanta, Ga.
Curtain Supply Co., 320 W Ohio, Chicago, Ill.
Hettrick Mfg. Co., Toledo, O.
Zittlosen Mfg. Co., St. Louis, Mo.

## 3512—Curtains (Rubber Bath)

Empire Rubber Co., 126 W 22d, New York
Hodgman Rubber Co., 8 W 40th, New York
Kleinert I. B. Rubber Co., 725 B'way, New York

## 3512a—Curtains (Shower Bath)

Hettrick Mfg. Co., Toledo, O
Maco Products Corp., 154 Nassau, New York.
Sanitary Raincoat Co., 85 Warren, New York

## Curtains (Steel Rolling)

See Shutters, Steel Rolling

## 3513—Cushions, Beds & Pillows (Air, Rubber)

Athol Mfg. Co., Athol, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co. (Operating, etc), Ashland, O.
Goodrich B. F. Co., Akron, O.
Parker-Stearns & Co. (Invalid Operating, etc), 286 Sheffield av, Brooklyn, N. Y.
Tyer Rubber Co., Andover, Mass.

## 3514—Cushions (Billiard & Pool Table)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mattson Rubber Co., Lodi, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Revere Rubber Co., Chelsea, Mass.

## 3515— Cushions (Boat, Etc.)

Fogg M. W., 202 Front, New York
Hettrick Mfg. Co., Toledo, O.
Hodgman Rubber Co., 8 W 40th, New York
Laughlin, Thos. Co. (Life Preserver), Portland, Maine
Metropolitan Air Goods Co., Reading, Mass.
Pneumatic Mfg. Co. ("Peerless," "Butler"), 123 Pacific, Brooklyn, N. Y.
Racine Auto Top Co., Racine, Wis.
Robinson-Roders Co. ("Ilanaisilk" Cushions, Safety Pillows, Life Preservers & Safety Mattresses for Boats), 27 N. J. R. R. av, Newark, N. J.

## 3516—Cushions (Canvas, Outing)

Buckeye Tent & Awning Mfg. Co., 264 Spruce, Columbus, O.
Carpenter Geo. B. & Co., 440 N Wells, Chicago, Ill.
Hettrick Mfg. Co., Toledo, O.
Wyandotte Awning & Tent Co., Kansas City, Kans.

## 3517—Cushions (Engine & Caboose)

**ATLANTA TENT, AWNING & MFG. CO.,** Atlanta, Ga.
Cincinnati Cushion Co., 116 Opera pl, Cincinnati, O.
Curtain Supply Co., 320 W Ohio, Chicago, Ill.

## 3518— Cushions (Heel)

See also Heels, Rubber

Essex Rubber Co. ("Soft Spots"), Trenton, N. J.
Foster Rubber Co. ("Tread-air," "Foster"), 105 Federal, Boston, Mass.
Gilbert E. T. Mfg. Co., Rochester, N. Y.

## 3518a—Cushions (Nailing Soundproof)

Flexner-Taylor Co., Ltd. ("Flexner"), 786 East Broadway, So Boston, Mass.

## 3519—Cushions (Telephone Receiver)

Davol Rubber Co. (Pneumatic), 69 Point, Providence, R. I.
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
Miller Rubber Co. (Pneumatic), Akron, O.

## 3520— Cuspidors

Aldrich Mfg. Co. (Brass), Buffalo, N. Y.
American Metal Ware Co. (Brass), 368 W Huron, Chicago, Ill.
Aluminum Ware Mfg. Co., Inc., Elmira, N. Y.
Arcade Mfg. Co. ("Arcade," Brass Cast), Freeport, Ill.
Bridgeport Brass Co. (Brass & Self-Righting), Bridgeport, Conn.
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Buffalo Mfg. Co. (Brass, etc), Buffalo, N. Y.
Burnitol Mfg. Co. (Paper), Orient av, Boston, Mass.
Cartwright Bros. Co. (White, Earthenware), E Liverpool, O.
Central Stamping Co. (Polished & Nickel Plated Brass Self-Righting, etc), 172 Fulton, New York
Cheney S. & Son (Cast Iron), Manlius, N. Y.
Clark A. C. & Co. (Brass Fountain Spittoons), 1035 E 75th, Chicago, Ill.
Columbian Enameling & Stamping Co. (Enameled Iron), Terre Haute, Ind.
Cordley & Hayes ("Fibrotta" Paper Fibre), 7 Leonard, New York
Dover Stamping & Mfg. Co. (Cast Iron, Porcelain-Lined, Self-Righting; also Tin, Various Colors), Cambridge, Mass.
Excelsior Brass Works, Reading, Pa.
Farber S. W. (Brass & Copper), 147 So 5th, Brooklyn, N. Y.
Fibre Corporation ("Fibrotta" Indurated Fibre), Lockport, N. Y.
Franks Sani-Cover Supply Co. ("Sani-Cover"), Cambridge, Mass.
Geuder, Paeschke & Frey Co. (Japanned & Enameled), 1314-1700 St. Paul av, Milwaukee, Wis.
Goodrich B. F. Co. (Rubber), Akron, O.
Gould-Mersereau Co. (Brass), 52 W 38th, New York
Hews A. H. & Co. (Earthenware), Cambridge, Mass.
Illinois Pure Aluminum Co. (Aluminum), Lemont, Ill.
Indiana Foundry Co. (Cast Iron), Indiana, Pa.
Indiana Hollow Ware Co. (Enameled Cast Iron), Jeffersonville, Ind.
Ireland & Matthews Mfg. Co. (Brass & Nickel, Self-Righting), Beard & Chatfield, Detroit, Mich.
Lalance & Grosjean Mfg. Co. (Enameled), 299 B'way, New York
Lisk Manufacturing Co. (Ltd.) ("Lisk" Enameled), Canandaigua, N. Y.
Manhattan Brass Co. (Brass), 332 E 28th, New York
Manning, Bowman & Co. (Brass, Nickeled, Enamel & Tin), Meriden, Conn.
Marietta Hollow Ware & Enameling Co. (Enameled), Marietta, Pa.
Midland Metal Co. (Brass, Bronze & Plated), 21st & Jefferson, Phila., Pa.
National Enameling & Stamping Co. (Sheet Metal), 411 5th av, New York
National India Rubber Co. (Rubber), Bristol, R. I.
New England Enameling Co. ("Ideal" Enameled Ware), Middletown, Conn.
Peters & Reed Pottery Co. (Terra Cotta Hand Painted), Zanesville, O.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Porcelain Enameling Assn. of Amer. ("Polar Brand," Seamless, Porcelain Enameled), Sheboygan, Wis.
Ray Geo. A. Mfg. Co. (Brass & Nickel Plated, Self-Righting, Weighted Bottom, etc), Buffalo, N. Y.
Rochester Stamping Co. (Enameled Metal), Rochester, N. Y.
Rostand Mfg. Co. ("Rostand" Brass, German Silver, Nickel & Bronze), Milford, Conn.
St. Louis Car Co. (Car), 8000 N B'way, St. Louis, Mo.
Schlesinger Leo. & Co. (Metal), 66 Wooster, New York
South Bend Foundry Co. (Cast Iron, Movable Top), South Bend, Ind.
Stone & Forsyth Co. ("Hygienic" Paper), 67 Kingston, Boston, Mass.
Strong Mfg. Co. (Enameled, Seamless, Flaring & Removable Top), Sebring, O.
Sutterly G. T. & Co., 172 N 2nd, Phila., Pa.
Sweeney W. H. Mfg. Co. (Nickeled, Brass & Tin & Self-Righting, etc), 30 Main, Brooklyn, N. Y.
Thompson C. C. Pottery Co. (Porcelain), East Liverpool, O.
Vogel Wm. & Bros. (Nickel Plated Steel & Copper with Removable Hopper), 37 S 9th, Brooklyn, N. Y.
Vollrath Co. ("Vollrath," Seamless Steel & Cast Iron), Sheboygan, Wis.
Weber Dental Mfg. Co. (Fountain), Canton, O.
Weller Hardware & Foundry Co. (Cast Iron), Horseheads, N. Y.

## 3521— Cutch

Demarest Chas. H. (Imp), 150 Water, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Marden, Orth & Hastings Co. ("Golden" for Tanneries, also Khaki), 136 Liberty, New York
Rice Edward E. & Co. (Imported), 620 Atlantic av, Boston, Mass.
Worden Chemical Works( Imp), 4 Cedar, New York

## 3522— Cutlery Mfrs.

Acme Shear Co. (Shears, Scissors, etc), Bridgeport, Conn.
Aerial Cutlery Mfg. Co., Marinette, Wis.
American Cutlery Co. (Table Cutlery), 764 Mather, Chicago, Ill.
American Silver Co. (Table Cutlery), Bristol, Conn.
Bannister A. F. & Co. (Pocket, etc), Newark, N. J.
Bison Mfg. Co. (Razor Strops, Cutlery Specialties), Little Valley, N. Y.
Böker Herman Cutlery & Hdwe. Co., Inc ("Tree Brand"), 101 Duane, New York
Browne W. G. Mfg. Co., Kingston, N. Y.
Buffalo Knife Co., Buffalo, N. Y.
Camillus Cutlery Co., Camillus, N. Y.
Canton Cutlery Co. ("C. C. Co." Pocket Knives, High Grade, Transparent Handle Pocket Knives, Razors, Shoe Buttoners, Ink Erasers, etc), Canton, O.
Carrier Cutlery Co., Elmira, N. Y.
Case W. R. & Sons Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co. (Pocket Knives, Razors, Shears, etc), Little Valley, N. Y.
Challenge Cutlery Corporation (Pocket Knives & Razors), Bridgeport, Conn.
Chatillon Jno. & Sons, 85 Cliff, New York
Christy Knife Co. (Bread, Cake, Ham & Kitchen Knives, Druggists' Spatulas & Lemon Slicers), Fremont, O
Clark Bros. Cutlery Co. (Pocket Cutlery & Shears), 926 Broadway, Kansas City, Mo.

Clauberg F. A. & Co. (Table), 27 Park pl, New York
Clauss Shear Co., Fremont, O.
Clayton Mfg. Co., Bristol, Conn
Clement Mfg. Co. (Table), Northampton, Mass.
Clyde Cutlery Co. (Butcher, Bread & Kitchen Knives, etc), Clyde, O.
Crescent Mfg. Co., Fremont, O.
Cronk & Carrier Mfg. Co. (Pocket Knives only), Elmira, N. Y.
*See adv index at end of book*
Divine Dwight & Son (Pocket & Fine Pen Knives), (Trade Mark, "Ulster Knife Co." & "Ellenville Knife Co."), Ellenville, N. Y.
Empire Knife Co. (Pocket Cutlery), Winsted, Conn.
Enderes Inc., Albert Lea, Minn.
Foster Bros. & Chatillon Co. (Pocket, Kitchen & Butchers' Cutlery), Fulton, N. Y.
Geneva Cutlery Corp. (Razors, Shears, etc), Geneva, N. Y.
Glogau & Co. (Knives & Scissors of All Kinds), 466 Dickey bldg., Chicago, Ill.
Goodell Co. (Carving & Table Cutlery), Antrim, N. H.
Graef & Schmidt ("J. A. Henckle's Twin Brand" Imp.), 107 Chambers, New York
Harrington Cutlery Co. ("Dexter," Butcher, Cheese, Shoe, Bread & Kitchen, etc), Southbridge, Mass.
Hart H. C. Mfg. Co. (Hollow Handle, Knife & Fork, Rolled Steel, Nickel Plated), Union, Conn.
Havell Mfg. Co. (Metal Goods), 284 Washington, Newark, N. J.
Henkel Co., Fremont, O.
Herbrand Co., Fremont, O.
Holley Mfg. Co. (Pocket), Lakeville, Conn.
International Silver Co. (Silver Plated, etc), Meriden, Conn.
Kastor A. & Bros. ("Camillus," "W. H. Morley & Sons"), 109 Duane, New York
Knickerbocker Mfg. Co. (Knives, etc), Belleville, N. J.
Koch F. A. & Co., 524 B'way, New York
Korn Geo. W. Razor Mfg. Co. (Razors, Straps & Hones), Little Valley, N. Y.
Lamson & Goodnow Mfg. Co. (Table Cutlery, Carvers, Butchers', Painters' & Druggists' Knives), Shelburne Falls, Mass.
Landers, Frary & Clark ("Universal" Pearl, Ivory & Celluloid Handle Table Cutlery, Carving Sets, etc), New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Marble Arms & Mfg. Co. (Pocket & Hunting Knives, Pocket Axes, etc), Gladstone, Mich.
Meriden Cutlery Co. (Cheese, Broad, etc), Meriden, Conn.
Miller Bros. Cutlery Co. (Pocket, etc.), Meriden, Conn.
Morris Cutlery Co., Morris, Ill.
Murphy's Robt Sons Co., Ayer, Mass.
Napanoch Knife Co. (Pocket), Napanoch, N. Y.
New York Knife Co. (Pocket Knives & Table Cutlery), 225 5th av, New York. Works: Walden, N. Y.
**NICHOLS BROS.** ("Nichols Bros.") (Table Knives), Greenfield, Mass.
Northampton Cutlery Co. (Table Cutlery), Northampton, Mass.
Northfield Knife Co. (Pocket Cutlery, Shears, etc), Northfield, Conn.
Novelty Cutlery Co. (Pocket Knives, Razors, Folding Scissors, Ink Erasers, Dirk Knives, Letter Openers, Shoe Buttoners, Scalpel Lances, Souvenir Knives, etc), Canton, O.
O. S. T. Cutlery Co., 56 Summer av, Newark, N. J.
Ontario Knife Co. (Table, etc), Franklinville, N. Y.
Philadelphia Novelty Mfg. Co. (Cutlery Novelties), 13th & Noble, Phila., Pa.
Poughkeepsie Cutlery Works, Inc. (Pocket Knives, Razors, Shears, Manicure & Surgical Instruments), Poughkeepsie, New York
Republic Metalware Co. ("Savory"), Buffalo, New York
Robeson Cutlery Co. (Pocket, etc), Rochester, N. Y.
Rogers Wm. A. (Ltd.), Northampton, Mass.
Ross Jos. & Co. (Corn, Knives, Ink Erasers, etc), Irvington, N. J.
Russell Jno. Cutlery Co. (Carvers, Table Cutlery, etc), Turners Falls, Mass.
Schatt & Morgan Cutlery Co. (Pocket Knives), Titusville, Pa.
Schnefel Bros., 684 S 17th, Newark, N. J.
Schrade Cutlery Co. (Pocket Knives), Walden, N. Y.
Silberstein A. L. ("Griffon" Imp.), 600 W 157th, New York
Shelton, Tool & Machine Co. (Electro Silver Plated Table Cutlery), Shelton, Conn.
Sperry & Alexander Co. ("Centaur," Pocket Knives, etc, Also Importers), 79 Chambers, New York
Thomaston Knife Co. (Pocket Knives), Thomaston, Conn.
Tuck Mfg. Co. (Shoe & Banana Knives, etc), Brockton, Mass.
Union Cutlery Co. (Razors, Pocket Knives, etc), Olean, N. Y.
Ulery, N. J. Co. (Scissors, Shears, Pocket Knives, Razors, Tool Kits & Manicure Goods), 258 B'way, New York
United States Cutlery Co., Fremont, O.
Valley Forge Cutlery Co. (Pocket Knives), 101 Duane, New York
Walden Knife Co. (Press-Button Pocket Knives), Walden, N. Y.
Wallace R. & Sons Mfg. Co. (Silver Plated Table Cutlery, etc), Wallingford, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
Western States Cutlery & Mfg. Co., Boulder, Colo.
White Ira F. & Son Co., Bloomfield, N. J.
Williams Bros. Mfg. Co. (Silver Plated Table Cutlery, etc), Glastonbury, Conn.
Wiss J. & Sons Co. (Shears, Scissors, Razors, etc), 31 Littleton av, Newark, N. J.
Witte, Alexis Cutlery Co. (Razors & Scissors), 36 Erasmus, Brooklyn, N. Y.
Woodworth Knife Works, Nunda, N. Y.

## 3523— Cut-Offs (Rain Water)

Berger Mfg. Co., Canton, O.
Conductor Fitting Co. ("Crary's"), Marietta, O.
**EDWARDS MFG. CO.**, 545-565 Egleston av, Cincinnati, O.
*See adv index at end of book*
Eller Mfg. Co., Canton, O.
Klauer Mfg. Co. ("Perfection"), Dubuque, Ia.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Ohio Corrugating Co., Warren, O.
Sullivan-Geiger Co. ("Centennial"), Indianapolis, Ind.
Whitaker-Glessner Co., Wheeling, W. Va.
Young Mfg. Co. ("Young"), Bellevue, Ia

## 3524— Cut-Outs (Arc Light)

Brady Electric Mfg. Co., New Britain, Conn.
Bryant Electric Co. ("Bryant-Cleveland"), Bridgeport, Conn.
Cutter Geo. Co. (Automatic Electric), South Bend, Ind.
Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.
Philadelphia Electrical & Mfg. Co. ("Phila." Absolute), 1236 N 31st, Phila., Pa.
Troy Electrical Co. ("Powers"), Troy, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 3525— Cut-Outs (Battery)

Arrow Electric Co. ("Arrow" Electric Plug), Hartford, Conn.
Electric Goods Mfg. Co. (Automatic Sectional), Canton, Mass.

## 3525a— Cut-Outs (Fuse)

**CHICAGO FUSE MFG. CO.** ("Union"), Laflin & 15th, Chicago, Ill.
*See adv index at end of book*
D. & W. Fuse Co., Hathaway, Providence, R. I.
Economy Fuse & Mfg. Co., Greenview av at Diversy parkway, Chicago, Ill.
*See adv index at end of book*
Elec. Fuseguard Co., 60 Shipman, Newark, N. J.
Hart & Hegeman Mfg. Co., 342 Capital av, Hartford, Conn.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Schweitzer & Conrad Inc., 4431 Ravenswood av, Chicago, Ill.

## 3526—Cut-Outs (Incandescent)

(Rosettes & Branch Blocks)

Adam Frank Elec. Co., 914 Pine, St. Louis, Mo
Barkelew Elec. Mfg.. Co., Middletown, O.
Bryant Electric Co., Bridgeport, Conn.
C. & P. Elec. Wks, Springfield, Mass.
**CHICAGO FUSE MFG. CO.**, Laflin & 15th Chicago, Ill.
*See adv index at end of book*
Condit Elec'l Mfg. Co., 1st & L, Boston, Mass.
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Crouse, Hinds Co. ("Norbitt"), Syracuse, N. Y.
Cutter Geo. Co. (Fuse Blocks), S. Bend, Ind.
Dale Lighting Fixture Co., 107 W 13th, New York
Foote, Pierson & Co. (Telephone Storage Battery), 160 Duane, New York
Freeman E. H. Elec. Co., Trenton, N. J.
**GENERAL ELECTRIC CO.** (Arc & Incandescent, Enclosed Fuse), Schenectady, N. Y.
*See adv index at end of book*
Heinemann Geo (Plug & Pane), 728 W Girard av, Phila., Pa.
Ideal Switch & Machy. Co., Plainville, Conn.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Metropolitan Engineering Co., 1250 Atlantic av, Brooklyn, N. Y.
Paiste H. T. Co. ("Shaffer," "K. W.," "P. K.," "Taplets"), 3201 Arch, Phila., Pa.
Sears Henry D. ("Weber" Plug), 80 Boylston, Boston, Mass.
Tregoning Electric Mfg. Co., Cleveland, O.
Trumbull Electric Mfg. Co. ("Kappa"), Plainville, Conn.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Worcester Electric & Mfg. Co., Worcester, Mass.

## Cut-Outs (Rain Water)

See Cut-Offs, Rain Water

## 3527— Cut-Outs (Telephone)

Johns-Manville H. W. Co., Madison av & 41st, New York
Lafayette Electric & Mfg. Co., Lafayette, Ind.

## 3528—Cut-Outs (Transformer)

Bryant Electric Co., Bridgeport, Conn.
Condit Elec'l Mfg. Co., 1st & L, Boston, Mass.
D & W Fuse Co. (& Junction. Oil Fuse Cut-Outs), Hathaway, Providence, R. I.
Delta-Star Electric Co. (High Voltage), 2437 Fulton, Chicago, Ill.
Johns-Manville H. W. Co., Madison av & 41st, New York
Metropolitan Engrg. Co., 1250 Atlantic av, Brooklyn, N. Y.
Pass & Seymour ("P. & S."), Solvay, N. Y.
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
Pittsburgh Transformer Co., Columbus & Preble av, Pittsburgh, Pa.
Schweitzer & Conrad, 4431 Ravenswood, Chicago, Ill.
Wagner Elec. Mfg. Co., 6400 Plymouth, St. Louis, Mo.
**WESTINGHOUSE ELECTRIC & MFG. Co., East Pittsburgh, Pa.**
*See adv index at end of book*

## 3529— Cutters (Alfalfa)

**ABBE ENGINEERING CO.**, 216-224 B'way, N. Y.
*See adv index at end of book*
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Letz Mfg. Co.. Crown Point, Ind.
Ross E. W. Co., Springfield, O.
Smalley Mfg. Co., Manitowoc, Wis.

CUTTERS (ALFALFA)—continued

Stearns E. C. & Co. ("New Model"), 450 Oneida, Syracuse, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Wilder-Strong Implement Co. ("No. 6"), Monroe, Mich.
Wilson Bros. ("Gem"), Easton, Pa.
*See adv index at end of book*

## Cutters (Angle Iron)

See Angle-Iron Cutting Machines, Hand Power

## 3530— Cutters (Angular)

Barber-Colman Co., Rockford, Ill.
**BECKER MILLING MACHINE CO.**, Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, Ohio
*See adv index at end of book*
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Clough R. M., Tolland, Conn.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Ingersoll Milling Machine Co., Rockford, Ill.
Lincoln Twist Drill Co., Taunton, Mass.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio.
Standard Tool Co., 6700 Central av, Cleveland, O.
Surerus & Greenhill, 502 W Division, Chicago, Ill.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Union Twist Drill Co., Athol, Mass.

## 3531—Cutters (Arc Lamp Carbon)

Atlas Electric Devices Co., 128 S. Clinton, Chicago, Ill.
Lundin Elec. & Machine Co., 10 Thatcher, Boston, Mass.

## 3532— Cutters (Axle)

Butterfield & Co., Derby Line, Vt.
Keller Mfg. Co. ("Keller"), 1325 N. E. Quincy, Minneapolis, Minn.

## Cutters (Belt)

See Belt Cutting Machines

## 3533—Cutters (Board Matcher)

Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## Cutters (Boiler Tube)

See Cutters, Flue

## Cutters (Bolt)

See Bolt Cutting Machines; also Clippers, Bolt & Rivet

## Cutters (Bone)

See Mills, Bone & Shell

## 3534— Cutters (Bread)

See also Slicing Machines, Bread & Meat
Buffalo Specialty Co. ("Lightning"), 375 Ellicott, Buffalo, N. Y.
Fisher Adam Mfg. Co., 3624 Enright, St. Louis, Mo.
Sharp L. C. Mfg. Co. ("Hydraulic"), Plattsmouth, Neb.
Smith's John E. Sons Co., Buffalo, N. Y.
Thurnauer G. M. Co., 6 E 20th, New York

## 3535—Cutters (Brick & Drain Tile)

American Clay Machinery Co. (Automatic), S Walnut, Bucyrus, O.
*See adv index at end of book*
Arnold-Creager Co., New London, O.
Bonnot Company (Revolving), Canton, O.
Brewer H. & Co., Tecumseh, Mich.



Cox R. E. (Mrs. G. S.), East Liverpool, O.
Freese E. M. & Co. (Automatic Brick), Galion, O.
Marion Machine Foundry & Supply Co., Marion, Ind.

## 3536— Cutters (Broom)

Walrath Alphonso Co. ("Hurt"), Fort Plain, N. Y.

## 3537— Cutters (Butter)

See also Butter Cutting & Printing Machines
Chain Products Co., 3924 Cooper av, Cleveland, O.
Smith's John E. Sons Co. (Butter Dispensing Machines), 50 B'way, Buffalo, N. Y.
Standard Butter Cutter Co., 244 Greenwich, New York

## 3538— Cutters (Button Hole)

Compton W. H. Snear Co. ("Compton"), 314 Camden, Newark, N. J.
Eyelet Tool Co., 40 Lincoln, Boston, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
National Cutlery Co. ("National"), Westmoreland & Boudinot, Phila., Pa.
Wiss J. & Sons Co. ("Bauers"), 31 Littleton av, Newark, N. J.

## Cutters (Cabbage Core, Etc.)

See Corers, Cabbage

## 3539— Cutters (Cake)

Central Stamping Co. (& Doughnut), 172 Fulton, New York
Getz M. & Co., 162 First, San Francisco, Cal.
National Enameling & Stamping Co. (Plain & Fancy), 411 5th av, New York

## 3540—Cutters (Canada Thistle)

Gaterman Mfg. Co., Manitowoc, Wis.

## Cutters (Card)

See Card Cutting Machines

## 3541—Cutters (Carving Machine)

Redin John E., Rockford, Ill.
Porter C. O. Machinery Co., Grand Rapids, Mich. *See adv index at end of book*
Valley City Machine Works, Grand Rapids, Mich.

## 3542—Cutters (Cast Iron Pipe)

Rodefeld Mfg. Co., Richmond, Ind.
Smith A. P. Mfg. Co., East Orange, N. J.
Walworth Mfg. Co. ("Hall"), Boston, Mass.

## 3543— Cutters (Cheese)

**American Computing Co. ("Perfection"** Computing), Indianapolis, Ind.
Anderson Computing Scale Co. (Computing), Anderson Ind.
Computing Cheese Cutter Co. ("Safe," Computing), Anderson, Ind.
Enterprise Mfg. Co. of Pa. (Self-Gauging), 3rd & Dauphin, Phila., Pa.
Ideal Mfg. Co. (Computing), Anderson, Ind.
Standard Mfg. Co., Auburn, Ind.
Stortz John & Son (Revolving Table), 210 Vine, Phila., Pa.

## 3544— Cutters (Cigar)

Bates & Bacon, Attleboro, Mass.
Bedortha Bros., Windsor, Conn.
Brunhoff Mfg. Co. (Cutter & Lighter Combined), 9th & Freeman, Cincinnati, O.
Crescent Mfg. Co., Fremont, O.
Dolphin Cutlery Co., 3 W 29th, New York
Emrich Phil (For Cigar Makers), 824 Main, Cincinnati, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Havell Mfg. Co., 284 Washington, Newark, N. J.
Individual Key Ring Co., Hartford, Conn.
K. & O. Co., 366 Butler, B'klyn, N. Y.
King Klip Co., 1328 B'way, New York
Levy Robt. Co., 119 Sussex, Newark, N. J.
Miller, Du Brul & Peters Mfg. Co., 507 E Pearl, Cincinnati, O.
Taylor Mfg. Co., Hartford, Conn.

## 3544a—*Cutters (Circular Cork or Paper)

Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*

## Cutters (Cloth)

See Cutting Machines, Cloth

## 3545— Cutters (Clover)

**ABBE ENGINEERING CO.**, 216-224 B'way, N. Y.
*See adv index at end of book*
Belcher & Taylor Agricultural Tool Co. ("Chicken"), Chicopee Falls, Mass.
Freeman Mfg. Co., Racine, Wis.
Heebner & Sons ("Heebner's Union"), Lansdale, Pa.
Humphey & Sons, Joliet, Ill.
Mann F. W. Co., Milford, Mass.
Ross E. W. Co., Springfield, O.
Silver Mfg. Co. ("New Model"), No. 256 Salem, O.
Smalley Mfg. Co., Manitowoc, Wis.
Stearns E. C. Co. ("New Model"), 450 Oneida, Syracuse, N. Y.
Wilson Bros. ("Gem"), Easton, Pa.
*See adv index at end of book*

## Cutters (Convex & Concave)

See Cutters, Milling

## 3546—Cutters (Corner Rounding)

Barber-Colman Co., Rockford, Ill.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, O.
*See adv index at end of book*
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
Union Twist Drill Co., Athol, Mass.

## 3547—Cutters (Drawer Construction)

**FULLER-LEHIGH CO.**, Fullerton, Pa.
*See adv index at end of book*
Redin, Ekstrom & Co. ("Rockford" for Tenoning Machines), Rockford, Ill.

## 3548— Cutters (Dredge)

Norbom Engineering Co. (For Hydraulic Dredges), Denckla bldg, Phila., Pa.

## 3549— Cutters (Ear Corn)

Fleming & Sons Mfg. Co., Huntsville, Mo.
Jaschke Edw., Bellevue, O.
Sandwich Mfg. Co. ("Dean"), Sandwich Ill.
Smalley Mfg. Co., Manitowoc, Wis.
Voss Bros. Mfg. Co. ("Little Giant"), Davenport, Ia.

## 3549a—*Cutters (Electric Wire)

Porter H. K. ("Boston"), 6 Ashland, Everett, Mass.
*See adv index at end of book*

## 3550—Cutters (Emery Wheel Dresser)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Calder Geo. H., Lancaster, Pa.
Federal Machine Products Co. ("Federal") Farnsworth & Beaufait, Detroit, Mich.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Vincent Steel Process Co., 751 Bellevue av, Detroit, Mich.

## 3551— Cutters (Ensilage)

**ABBE ENGINEERING CO.**, 216-224 B'way, New York
*See adv index at end of book*
Ames Plow Co. ("Dr. Balleys"), Quincy Hall, Boston, Mass.

Appleton Mfg. Co. ("Appleton," "New Hero"), Batavia, Ill.
Associated Manufacturers' Co., Waterloo, Iowa
Automatic Carrier Co. ("A. C. Co.,"), Juneau, Wis.
Batavia Machine Co., Batavia, N. Y.
Belcher & Taylor Agricultural Tool Co., ("Baldwin," "Gale-Baldwin," "Lion"), Chicopee Falls, Mass.
Belle City Mfg. Co. ("Belle City"), Racine, Wis.
Conner J. W. & Son (Cutter & Swivel Carrier), Orangeville, Pa.
Daniels Machine Co., S Royalton, Vt.
Dick Jos. Mfg. Co. ("Blizzard," "Famous," "Leader"), Canton, O.
Doylestown Agricultural Co. ("Advance," Pneumatic), Doylestown, Pa.
Eagle Mfg. Co., Appletown, Wis.
Ellis Keystone Agricultural Works ("Keystone"), Pottstown, Pa.
N. Y.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foster & Williams Mfg. Co. ("Victor"), Racine, Wis.
Freeman Mfg. Co., Racine, Wis.
Gehl Bros. Mfg. Co. ("Silverzahn"), West Bend, Wis.
Globe Foundry & Machine Co., Sheboygan, Wis.
Gould Balance Valve Co. ("Iowa"), Kellogg, Ia.
Hamachek Frank ("Giant"), Kewaunee, Wis.
Harrison W. R. & Co. ("Tornado"), Massillon, O.
Heebner & Sons ("Union"), Lansdale, Pa.
Illinois Silo & Tractor Co., Bloomington, Ill.
International Harvester Company of America (Inc.), (International), Harvester bldg, Chicago, Ill.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Lyon Iron Works ("Triumph"), Greene, N. Y.
Messenger Mfg. Co. ("Empire"), Tatamy, Pa.
Papec Machine Co., Shortsville, N. Y.
Plymouth Fdry & Machine Co., Plymouth, Wis.
Rosenthal Corn Husker Co. ("Rosenthal"), West Allis, Milwaukee, Wis.
Ross E. W. Co. ("Ross"), Springfield, O.
Rowell I. B. Co. (With Chain Elevator or Blower), Waukesha, Wis.
Rumeley Leo Tractor Co. ("Advance"), La Porte, Ind.
Silver Mfg. Co. ("Ohio," "Ohio Standard," "Blower," "Monarch," "Light Draft," "Carrier" Power), No. 256 Salem, O.
Smalley Mfg. Co., Manitowoc, Wis.
Stover Mfg. & Engine Co., Freeport, Ill.
Swayne-Robinson & Co. ("Money-Maker"), Richmond, Ind.
U. S. Wind Engine & Pump Co. ("I. X. L."), Batavia, Ill.
Warsaw-Wilkinson Co. ("Climax," "Empire State," "Rex," "Wyoming"), Warsaw, N. Y.
Wilder-Strong Implement Co. ("America," "Swiss"), Monroe, Mich.

## 3552—Cutters (Face Milling)

Barber-Colman Co., Rockford, Ill.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Ingersoll Milling Machine Co., Rockford, Ill.
**KNAPP ARTHUR ENGNG. CORP.,** 19 W 44th, New York
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse," with Inserted Teeth), New Bedford, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

## 3553— Cutters (Feed)

See also Cutters, Alfalfa; also Cutters, Fodder

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
Albright Jas. H. & Sons, Mifflinburg, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Ann Arbor Machine Co. ("Cummings"), Ann Arbor, Mich.
Appleton Mfg. Co., Batavia, Ill.
Babcock Mfg. Co. ("Ostego"), Leonardsville, N. Y.
Belcher & Taylor Agricultural Tool Co. ("Chicken," "Baldwin," "New York," "Nonesuch," "Union," "Victor," "Gale Jr.," "Hide Roll," "Lion," "Self-Sharpening"), Chicopee Falls, Mass.
Belle City Mfg. Co. ("Belle City"), Racine, Wis.
Buch's A. Sons Co. ("Buch," "Lighthouse," "Nobby," "Pennsylvania"), Elizabethtown, Pa.
Cardwell Machine Co. ("Smith"), 1900 E Cary, Richmond, Va.
Challenge Co., Batavia, Ill.
Conner J. W. & Son ("Daisy" Cutter & Crusher), Orangeville, Pa.
Dick Jos. Mfg. Co. ("Alpine," "Dick's" Lever, "Famous"), Canton, O.
Donaldson Bros. ("King"), Mount Clemens, Mich.
Eagle Machine Co., Lancaster, O.
Eddy W. Plow Co. ("Dandy," "Eddy," Yankee"), Greenwich, N. Y.
Ellis Keystone Agricultural Works ("Keystone" Ensilage & Feed Cutter), Pottstown, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Farquhar A. B. Co., Ltd. ("Clipper"), York, Pa.
Foster & Williams Mfg. Co., Racine, Wis.
Freeman Mfg. Co. (Hand & Power), Racine, Wis.
Gehl Bros. Mfg. Co. ("Silverzahn"), West Bend, Wis.
Glascock Stove & Mfg. Co. ("Smith" Lever), Greensboro, N. C.
Globe (With or Without Blower Elevator), Sheboygan, Wis.
Gowanda Agricultural Works ("Gowanda," "Star," "Hand"), Gowanda, N. Y.
Greenville Implement Co., Greenville, Mich.
Hamachek Frank ("Giant," "Ideal"), Kewaunee, Wis.
Hamburg Plow Works ("Handy"), Hamburg, Pa.
Harrison W. R. & Co. ("Tornado"), Massillon, O.
Heebner & Sons ("Union"), Lansdale, Pa.
Heller-Aller Co. ("Heller"), Napoleon, O.
Hench & Dromgold Co. (Hand & Power, "Superior"), York, Pa.
Hocking Valley Mfg. Co. ("Boss," "Kokosing," "Hocking Valley," "Geneva"), Lancaster, O.
Keystone Machine Co. (Hand or Power), York, Pa.
Lehr Agricultural Co. ("Monarch"), Fremont, O.
Lyon Iron Works ("Triumph"), Greene, N. Y.
Messinger Mfg. Co. (Hand & Power), Tatamy, Pa.
Moore Plow & Implement Co., Greenville, Mich.
Mountville Mfg. Co. ("Triumph"), Mountville, Pa.
Papec Machine Co., Shortsville, N. Y.
Parlin & Orendorff Co., Canton, Ill.
Perkins Wind Mill Co., Mishawaka, Ind.
Ross E. W. Co. ("Ross"), Springfield, O.
Ross-Meehan Foundries, Chattanooga, Tenn.
Rowell I. B. Co. ("Rowell"). Waukesha, Wis.
Silver Mfg. Co. ("Ohio," "Pony," Hand & Power "Plantation"), N. 256, Salem, O.
Smalley Mfg. Co. (Electric), Manitowoc, Wis.
Smith D. B. & Co. (Hay), Utica, N. Y.
Star Mfg. Co., Carpentersville, Ill.
Tanner D. F. ("Tanner," "Special"), Holland, N. Y.
Thornburgh Mfg. Co. ("New No. 8," "Peerless" Hand Lever), Bowling Green, O.
Warsaw-Wilkinson Co. ("Climax," "Rex," "Wyoming"), Warsaw, N. Y.
Wausau Foundry & Machine Co., Wausau, Wis.
Wayne Works, Richmond, Ind.
White's S. R. Sons ("Smith," "Defender"), Norfolk, Va.
Wilder-Strong Implement Co. ("Comet," "Swiss," "Whirlwind"), Monroe, Mich.
Wilson Bros. ("Gem"), Easton, Pa.
*See adv index at end of book*
Wodsedalak Jos., Algoma, Wis.

## 3554— Cutters (Flue)

See also Pneumatic Flue Cutters

Borden Co., The, Warren, O.
Clark Equipt. Co., Buchanan, Mich.
Faessler J. Mfg. Co. ("Perfect"), Moberly, Mo.
Fox Machine Co. (Tube), Jackson, Mich.
Lagonda Mfg. Co. ("Lagonda"), Springfield, O.
Liberty Mfg. Co. (Combined Tube Cutter & Expander), Pittsburgh, Pa.
Lovejoy Tool Works (Hole), 319 W Ohio, Chicago, Ill.
*See adv index at end of book*
McCrea Jas. & Co. ("Wernicke"), 562 W. Washington, Chicago, Ill.
Mooney & Baumann (Hole) 159 Linwood, Brooklyn, N. Y.
Columbia Chuck & Tool Co. ("O'Neill"), 140 S Dearborn, Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
Redington F. B. Co. ("American"), 112 S Sangamon, Chicago, Ill.
Ryerson Joseph T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill *See adv index at end of book*
Skinner M. B. Co. ("Wernicke"), 562 W Washington, Chicago, Ill.
Wiedeke Gustav & Co. ("Wiedeke," "Ideal" & "Dayton" Self-Feed), Dayton, O.

## 3555— Cutters (Fodder)

Ann Arbor Machine Co. ("Ann Arbor," "Cummings"), Ann Arbor, Mich.
Appleton Mfg. Co. ("Appleton," "New Hero"), Batavia, Ill.
Belcher & Taylor Agricultural Tool Co. "Baldwin," "Gale-Baldwin"), Chicopee Falls, Mass.
Belle City Mfg. Co. ("Belle City"), Racine, Wis.
Challenge Co., Batavia, Ill.
Dick Jos. Mfg. Co. ("Blizzard," "Famous," "Leader"), Canton, O.
Doylestown Agricultural Co. ("Advance," "Doylstown"), Doylestown, Pa.
Eagle Mfg. Co. ("Eagle"), Appleton, Wis.
Ellis Keystone Agricultural Works ("Keystone" with Crusher Attachment), Pottstown, Pa.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Freeman Mfg. Co., Racine, Wis.
Gehl Bros. Mfg. Co., West Bend, Wis.
Hamachek Frank ("Giant"), Kewaunee, Wis.
Harrison W. R. & Co., Massillon, O.
Heebner & Sons ("Heebner's Union"), Lansdale, Pa.
Lyon Iron Works ("Triumph"), Greene, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Papec Machine Co., Shortsville, N. Y.
Plymouth Fdry. & Machine Co., Plymouth, Wis.
Ross E. W. Co. ("Ross"), Springfield, O.
Silver Mfg. Co. ("Ohio"), No. 256, Salem, O.
Smalley Mfg. Co., Manitowoc, Wis.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Warsaw-Wilkinson Co. ("Empire State"), Warsaw, N. Y.
Wilder-Strong Implement Co. ("America," "Raisin Valley," "Swiss"), Monroe, Mich.

## Cutters (Food)

See Choppers, Meat & Food

## 3556—Cutters (Formed Milling)

Barber-Colman Co., Rockford, Ill.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, Ohio
*See adv index at end of book*
Cowles Tool Co., 2086 W 118th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Gale-Sawyer, 36 Oliver, Boston, Mass.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**NATIONAL TOOL CO.** (" National-Cleveland'), Cleveland, O.
*See adv index at end of book*

CUTTERS (FORMED MILLING)—cont.

Republic Tool & Mfg. Co., 1401 W. 9th Cleveland, Ohio
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

## 3557— Cutters (Gang)

Becker Milling Machine Co., Hyde Park, Mass.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland Ohio.
*See adv index at end of book*
Detroit Twist Drill Co., Cleveland, O.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Ingersoll Milling Machine Co., Rockford Ill.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
National Tool Co. ("National-Cleveland"), Cleveland, O. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
Surerus & Greenhill, 502 W Division, Chicago, Ill.
Union Twist Drill Co., Athol, Mass.

## 3558—Cutters (Gauge Glass)

Chesterton A. W. Co. ("Chesterton," "Boston"), 64 India, Boston, Mass.
Goodell-Pratt Co., Greenfield, Mass.
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Monce S. G., Unionville, Conn.
Newark Brush & Scraper Co. ("Newark"), 266 Fabyan pl, Newark, N. J.
Pancoast Hy. B. Co. ("Simplex"), 950 N Front, Phila., Pa.
Rogers H. A. Co. ("Favorite"), 87 Walker, New York. *See adv index at end of book*
Skinner & Connolly ("Skinner's"), Yonkers, N. Y.
**SMITH & HEMENWAY CO., INC.** ("Red Devil"), 261H B'way, New York & 130H Colt, Irvington, N. J.
*See adv index at end of book*
Wilkins G. H. ("Wilkins"), 180 N. Market, Chicago, Ill.

## 3559— Cutters (Gear)

For Gear Cutting Machines, see Machinery
Barber-Colman Co., Rockford, Ill.
Bilton Machine Tool Co. (The), ("Bilton" Gear Millers), Bridgeport, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
Clough R. M., Tolland, Conn.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, Ohio
**Sloan & Chace Mfg. Co., 351 6th av, Newark, N. J.**
Union Twist Drill Co., Athol, Mass.
**WALRAVEN CO.,** 36-38 W. Alabama, Atlanta, Ga.
*See adv index at end of book*

## 3559a— Cutters (Glass)

Barrett W. L. ("Standard," Steel Wheel), Bristol, Conn.
Browne & Dowd Mfg. Co. ("Favorite" Rolling Steel Wheel, etc), Meriden, Conn.
Fletcher, Terry Co. ("Leader," "Champion," "Favorite," "Handy," Interchangeable & Standard Styles, Steel Wheel), Forestville, Conn.
Goodell Tool Co. (Circular), Shelburne Falls, Mass.
Goodell-Pratt Co. (With Turret Head), Greenfield, Mass.
Hart H. C. Mfg. Co. ("King of Cutters," "Perfect"), Unionville, Conn.
Irvington Mfg. Co., Irvington, N. J.
Karelsen E. (Diamond), 68 Nassau, New York
Miller J. E. & Co. ("Trojan," "Krac-a-Jac," "Favorite"), 330 W Kinzie, Chicago, Ill.
Millers Falls Co. ("Monitor," Steel Wheel), 28 Warren, New York
Monce S. G. ("Monce" Steel Wheel), Unionville, Conn.
New England Novelty Works ("Woodward," Steel Wheel), Hill, N. H.
Pritchard Stamping Co., Rochester, N. Y
Rocky Hill Hardware Co., Rocky Hill Conn.
S. & J. Co., Springfield, Mass.
Sinez Philip Co. & Diamond, 300 Hanover, Baltimore, Md.
**SMITH & HEMENWAY CO.** ("Red-Devil"), 261H B'way, New York, and 130H Colt, Irvington, N. J.

**Southington Hardware Co., Southington, Conn.**
Trojan Glass Cutter Works, 330 W Kinzie, Chicago, Ill.

## Cutters (Glass Tube)

See Cutters, Gauge Glass

## 3559b— *Cutters (Green Bone)

**WILSON BROS.** ("Crown," "Daisy" Hand & Power), Easton, Pa.
*See adv index at end of book*

## 3560— Cutters (Gummer)

See also Gummers, Saw
Ajax Mfg. Co. (Solid for Saw & Stone Gummers), Pittsburgh, Pa.
Atkins E. C. & Co., Indianapolis, Ind.
Butterfield & Co., Derby Line, Vt.
Mixter J. W. Saw Tool Co., Plymouth, Mass.

## 3561— Cutters (Gun Wad)

Kraeuter & Co., 583 18th av, Newark, N. J.
Union Hardware Co., Torrington, Conn.

## 3562-3—Cutters (Hand Hole)

Chase Turbine Mfg. Co., Orange, Mass.

## Cutters (Hog Nose)

See Ringers, Hog

## 3564— Cutters (Interlocking)

Cleveland Milling Machine Co., 18511 Euclid av, Cleveland, O.
Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio
*See adv index at end of book*
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York
Federal Adding Machine Corp., York & Grove, New Haven, Conn.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Ingersoll Milling Machine Co., Rockford, Ill.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**NATIONAL TOOL CO.,** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, Ohio
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.

## 3565— Cutters (Involute)

Barber Colman Co., Rockford, Ill.
Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio
*See adv index at end of book*
Cleveland Milling Machine Co., 18511 Euclid av, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**NATIONAL TOOL CO.,** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Pratt & Whitney Co. (Gear), Hartford, Conn.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio
**Sloan & Chace Mfg. Co., 351 6th av, Newark, N. J.**
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co. (Gear), Athol, Mass.

## 3566—Cutters (Iron Bar & Rod)

See also Cutters, Rod & Wire
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Forge Co. (Angle Iron), Buffalo, N. Y.
Carolus Mfg. Co. ("Carolus"), Sterling, Ill.
Mersick C. S. & Co., New Haven, Conn.
Rock River Machine Co., Janesville, Wis.
Tucker W. B. & C. F. ("Hercules"), 516 Asylum, Hartford, Conn.

## 3566a—Cutters (Iron Sheet, Bar & Rod)

Tucker W. B. & C. F. ("Hercules"), 516 Asylum, Hartford, Conn.

## Cutters (Key-Way)

See Key Seating Machines; also Milling Machines

## 3567—Cutters (Key-Seating & Slotting)

Brown & Sharpe Mfg. Co. (Woodruff Keyseat), Providence, R. I.
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
**Ingersoll Milling Machine Co., Rockford, Ill.**
**KNAPP ARTHUR ENGNG. CORP.,** 19 W 44th, New York
*See adv index at end of book*
**National Machine Tool Co., Cincinnati, O.**
Pfanstiehl Co., No. Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W. 9th, Cleveland, Ohio
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Whitney Mfg. Co. ("Whitney for Woodruff System), Hartford, Conn.

## 3568—Cutters (Kraut, Slaw, Etc.)

Chapman-Sargent Co. ("Shaw" Adjustable Knives), Perrysburg, O.
Disston Henry & Sons, Inc., Tacony, Philadelphia, Pa.
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Handy Things Mfg. Co. ("Handy"), Ludington, Mich.
Kelso & Co., 559 W Quincy, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
National Saw Co., Newark, N. J.
Smith's Jno. E. Sons Co. ("Buffalo," Hand or Power), Buffalo, N. Y.
Thompson O. E. & Sons (Hand), Ypsilanti, Mich.
Thurnauer G. M. Co., 6 E 20th, New York
Tucker & Dorsey Mfg. Co. ("Indianapolis Sanitary," "T. & D. Special" & "Queen"), Indianapolis, Ind.

## 3569—Cutters (Lace Leather)

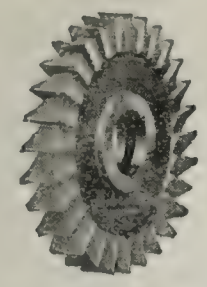
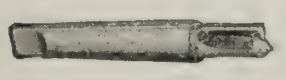
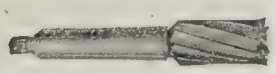
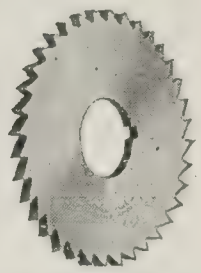
Braunsdorf-Mueller Co., Elizabeth, N. J.
Greene, Tweed & Co. ("Earle"), 109 Duane, New York
Manufacturers Belt Hook Co. ("Elliott"), 1321 W Congress, Chicago, Ill.

## 3570— Cutters (Lap)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.

## 3571— Cutters (Lead Pipe)

Johnson Wm. (Hedenberg Works) (Plumbers'), Newark, N. J.
Saunders D. Sons, Yonkers, N. Y.

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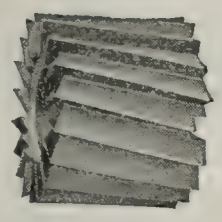
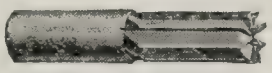
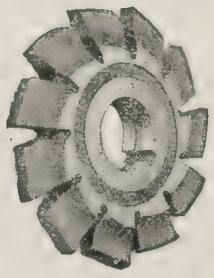
## For Every Requirement

We manufacture Plain Milling Cutters, Side Milling Cutters, Metal Slitting Saws, Angular Cutters, End Mills, Inserted Tooth Milling Cutters, Gear Cutters, Formed Cutters—Cutters of High Speed Steel and Carbon Steel of every description. Spur, Worm and Thread Hobs.



**NATIONAL TOOL COMPANY**
Cleveland, Ohio
New York Office, Room 553, 50 Church St.
Chicago Sales Room, 26 S. Jefferson St. Philadelphia Sales Room, 40 North 7th St.
European Office, National Tool Co., 139 Queen Victoria St., London, E. C., 4





Vanderman Mfg. Co., Willimantic, Conn.
Walworth Mfg. Co., Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.
Yonts C. H. & Co., Meadville, Pa.

### 3572—Cutters (Lock Corner Box)

Beck Chas. Machine Co., 607 Chestnut, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Vaughn Machinery Co., Cuyahoga Falls, Ohio *See adv index at end of book.*

### Cutters (Meat)

See Choppers, Meat

### Cutters (Metal Slitting)

See Gang Slitting Machines

### 3573— Cutters (Milling)

See also Cutters, Plain Milling; also Cutters, Screw Slotting; also Cutters, Side Milling; also Cutters Milling, Inserted Teeth

Advance Machinery Co., Van Wert, Ohio
Allen Wrench & Tool Co., 189 Public, Providence, R. I.
American Machine Products Co., 18th & Howard, Detroit, Mich.
Anderson Die Machine Co. ("Anderson," Super-Helical), 544 Iraniston av, Bridgeport, Conn.
Barber-Colman Co., Rockford, Ill.
**BECKER MILLING MACHINE CO.,** Hyde Park, Mass .
Bilton Machine Tool Co., (The "Bilton"), Bridgeport, Conn.
**BLANCKE A. C. CO.** (High Speed & Carbon), 176 S Michigan av, Chicago, Ill.
Bliss A. H. Co. (High Speed), North Attleboro, Mass.
Bridgeport Cutter Co., Inc., Bridgeport, Conn.
Brown & Sharpe Mfg. Co., Providence, R.I.
Chicago Tool Reclaiming Co., 174 W Austin av, Chicago, Ill.
**CLEVELAND CUTTER & REAMER CO. THE,** 1619 Merwin av, Cleveland, O. *See adv index at end of book*
Clough R. M. (Also Gear), Tolland, Conn.
Cowles Tool Co., 2086 W 10th, Cleveland, O.
Cruban Machine & Steel Corp, 63 Duane, New York
Davidson Tool Mfg. Co., 122 Maiden Lane, New York City
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
**DETROIT TWIST DRILL CO.** (Plain & Side), 555 Fort, Detroit, Mich. *See adv index at end of book*
Federal Adding Machine Corp., York & Grove, New Haven, Conn. *See adv index at end of book*
Gale Sawyer Co., 36 Oliver, Boston, Mass.
Garvin Machine Co., 147 Varick, New York.
Goddard & Goddard, 914 Hastings, Detroit, Mich.
**Hanscom Cutter Works,** 1297 River H P, Boston, Mass.
**HERBERT ALFRED LTD.,** 54 Dey, New York. *See adv index at end of book*

**MILLING CUTTERS**
**FOR EVERY MACHINE SHOP SERVICE**
**Write for Literature and Quotation**
**ALFRED HERBERT LTD.**
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Indianapolis Tool & Mfg. Co. (Formed), Indianapolis. Ind.
Ingersoll Milling Machine Co., Rockford, Ill.
International Machine Tool Co., Society for Savings bldg, Cleveland, O.
**KNAPP ARTHUR ENGNG. CORP.,** 30 Church, New York *See adv index at end of book*
Lincoln Twist Drill Co., Taunton, Mass.
Madison Mfg. Co., Spring & Elton, Muskegon, Mich.
Mergenthaler Co., 118 Hollingsworth, Baltimore, Md.
Morse Twist Drill & Machine Co. ("Morse" for Mitre & Bevel Gears), New Bedford, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland"), (Nicked Tooth, Plain, Face, etc), Cleveland, O. *See adv index at end of book*
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
New Britain Tool & Mfg. Co., New Britain, Conn.
Oesterlein Machine Co., Cincinnati, O.
**Pratt & Whitney Co., Hartford, Conn.**
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio.
Rogers Jno. M. Works, Gloucester City, N. J.
S. & I. Co. (Special), Springfield, Mass.
Security Tool Works, 115 S Clinton, Chicago, Ill.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.
Sloan & Chace Mfg. Co., 351 6th av, Newark, N. J.
Standard Tool Co., 6700 Central av, Cleveland, O.
Superior Die, Tool & Machine Co., Columbus, O.
**Surerus & Greenhill** ("Eynon's"), 502 W Division, Chicago, Ill.

**THE CLEVELAND CUTTER AND REAMER CO.**

*Manufacturers of*

**MILLING CUTTERS AND REAMERS**
**STANDARD AND SPECIAL**

***Tools of Quality with Prompt Deliveries***

CLEVELAND, O. - - U. S. A.

CUTTERS (MILLING)—continued
**Tabor Mfg. Co.** ("Taylor-Newbold" **High** Speed Steel), 18th & Hamilton, Philadelphia, Pa.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
**Tindel Morris Co., Eddystone, Pa.**
**TOOL SALVAGE CO.** (Re-Cut), 407 Fort E, Detroit, Mich.
**Union Twist Drill Co. (Nicked Tooth),** Athol, Mass.
Up-to-Date Tool Co., 81 Wareham, Boston, Mass. *See adv index at end of book*
U. S. High Speed Steel & Tool Corp. ("Challenger"), 489 5th av, N. Y.
Watervliet Tool Co., Inc. (Carbon High Speed), Albany, N. Y.
Welsmore Mfg. Co., Inc. (High Speed), 302 E Congress, Detroit, Mich.
Windau Tool Co., 1565 E 17th, Cleveland, Ohio

## 3574—Cutters (Milling, Inserted Tooth)

Barber-Colman Co., Rockford, Ill.
**BECKER MILLING MACHINE CO.,** Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R.I.
**CLEVELAND CUTTER & REAMER CO. THE,** 1619 Merwin av, Cleveland, O.
*See adv index at end of book*
Cleveland Power Transmission Co., 828 Garfield bldg., Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Goddard & Goddard, 914 Hastings, Detroit, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
**Ingersoll Milling Machine Co., Rockford,** Ill.
McCulloch A. P. Machine Co., 216 High, Boston, Mass.
Mergenthaler Co., 118 Hollingsworth, Baltimore, Md.
Moback Tool & Machine Mfg. Co. ("Moback"), 330 Atlantic av, Boston, Mass.
Morse Twist Drill & Machine Co. ("Morse" Face & Side Milling), New Bedford, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
O. K. Tool Holder Co. ("O. K."), **Shelton,** Conn.
Oesterlein Machine Co., Cincinnati, O.
Pratt & Whitney Co., Hartford, Conn.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio
**Tabor Mfg. Co. (For Planing Metal), 18th** & Hamilton, Phila., Pa.
**Tindel Morris Co., Eddystone, Pa.**
**Union Twist Drill Co., Athol, Mass.**
U. S. High Speed Steel & Tool Corp. ("Challenger"), 489 5th av, N. Y.
Up-to-Date Tool Co., 81 Wareham, Boston, Mass. *See adv index at end of book*
*See adv index at end of book*

## 3575-6— Cutters (Moulding)

**Moss Arthur J., 178 Centre, New York**
**Oldham New York Saw Wks., Inc., 112** 26th, Brooklyn, N. Y.
**Redin, Ekstrom & Co., Rockford, Ill.**

## 3577—Cutters (Paper, Hand)

**Balman E. O. Mfg. Co., Grand Rapids,** Mich.
**Champion Cutter & Furniture Co., Piqua,** Ohio
Cutter Mfg. Co. ("Wright" Parchment Cutters), Orient av, Everett Station, Boston, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Pease C. F. Co. ("Perfection"), 820 N Franklin, Chicago, Ill.
*See adv index at end of book*
Rose Jos. & Co., Irvington, N. J.
**Tiley, Pratt Co. (Bone), Essex, Conn.**

## 3578— Cutters (Pinion)

Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
**Sloan & Chace Mfg. Co. (Automatic), 351** 6th av. Newark, N. J.
Wade-American Tool Co., 311 Atlantic av, Boston, Mass.

## 3579— Cutters (Pipe)

Borden Co., The ("Beaver"), Warren, Ohio
Crockett Wm. P. Co., 411 S Jefferson, Chicago, Ill.
Mechanicville Specialty Supply Mfg. Co. (automatic), Mechanicville, N. Y.

## 3580— Cutters (Pipe, Hand)

**For Power see Pipe Cutting & Threading Machines**

Armstrong Mfg. Co. ("Armstrong"), 278 Knowlton, Bridgeport, Conn.
Ayres & Co. ("Saunders" Pattern), 1812 Ellen, Chicago, Ill.
Barnes Tool Co. ("Barnes" "Genuine" "Saunders" Pattern), New Haven, Conn.
Brown H. B. Co., East Hampton, Conn.
Butterfield & Co., Derby Line, Vt.
Collmer Bros ("Saunders' Pattern"), So. Bend, Ind.
Cook August D. (Inside), Lawrenceburg, Ind.
Crown Die & Tool Co. ("Crown"), 553 W Monroe, Chicago, Ill.
Curtis & Curtis Co., Bridgeport, Conn.
**Erie Tool Works, Erie, Pa.**
Fox Machine Co., Jackson, Mich.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
*See adv index at end of book*
**Hollands Mfg. Co., 352 E 18th, Erie, Pa.**
Keller Mfg. Co. ("Keller"), 1325 N E Quincy, Minneapolis, Minn.
Lucey Mfg. Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*
**Mark Mfg. Co., Evanston, Ill.**
**Mechanicville Specialty Supply Mfg. Co.** ("J. R. S. Easy" Soil Pipe), Mechanicsville, N. Y.
Murchey Machine & Tool Co. ("Murchey," Rapid Roller Pipe Cutter Power), 85 Porter, Detroit, Mich.
**Oswego Tool Co. ("Saunders Pattern,"** "Barnes" Improved Three Wheel), Oswego, N. Y.
Reed Mfg. Co., Erie, Pa.
Ryerson Joseph T. & Son, 910 Corn Exchange bldg., 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Saunders D. Sons, Yonkers, N. Y.
Smith A. P. Mfg. Co,, East Orange, N. J.
**Superior Tool Co. ("Du Charme" Combination** Roller Chain), Cambridge, O.
**Toledo Pipe Threading Machine Co. ("Vosper" & "Toledo"), 1440 Summit, To**ledo, Ohio
Trimont Mfg. Co. ("Trimo"), 55 Amory Roxbury, Boston, Mass.
**Vanderman Mfg. Co. (Four Wheel), Willi**mantic, Conn.
Walworth Mfg. Co. ("Walworth" Three Wheel), Boston, Mass.

## 3581—Cutters (Plain Milling)

**Brown & Sharpe Mfg. Co., Providence,** R. I.
**CLEVELAND CUTTER & REAMER CO. THE,** 1619 Merwin av, Cleveland, O.
*See adv index at end of book*
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Fastfield Drill & Tool Corp., Toledo, Ohio. & 21 Murray, New York.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Goddard & Goddard, 914 Hastings, Detroit, Mich.
**NATIONAL TOOL CO.** ("National Cleveland"), Cleveland, O.
*See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.
Thruston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Up-to-Date Tool Co., 81 Wareham, Boston, Mass. *See adv index at end of book*

## Cutters (Pneumatic Stay-Bolt)

**See Pneumatic Stay-Bolt Cutters**

## Cutters (Porcelain Tube)

**See Cutters, Arc Lamp Carbon**

## 3582— Cutters (Potato)

**See also Cutters, Vegetable**

**Aspinwall Mfg. Co., Jackson, Mich.**
**Bucher & Gibbs Plow Co. ("Imperial"),** Canton, O.
Champion Potato Machine Co. ("O. K. Champion"), Hammond, Ind.
Dowden Mfg. Co., Ltd., Prairie City, Ia.
Eureka Mower Co., 16 Hickory, Utica, N. Y.
**Pugh Mfg. Co. ("Gem," "Pugh"), Topeka,** Kan.
Streeter N. R. & Co., Rochester, N. Y.

## 3583— Cutters (Potato Chips)

**Smith's Jno. E. Sons Co., Buffalo, N. Y.**
Streeter N. R. & Co., Rochester, N. Y.

## 3584— Cutters (Potato Seed)

**Aspinwall Mfg. Co., Jackson, Mich.**
Champion Potato Machine Co. ("O. K. Champion"), Hammond, Ind.
Dowden Mfg. Co. Ltd., Prairie City, Ia.
Fetzer & Co., Springfield, Ill.

## 3585— Cutters (Rack)

**See also Gear Cutting Machinery**

**Brown & Sharpe Mfg. Co., Providence,** R. I.
Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.

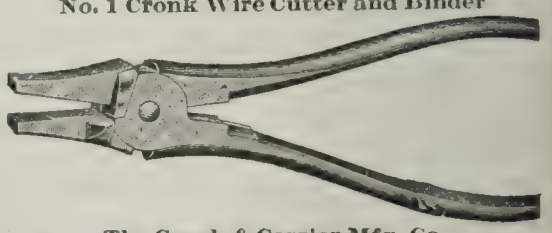
## 3586-7—Cutters (Radial Duplex)

**Union Twist Drill Co., Athol, Mass.**

## 3588—Cutters (Rod & Wire)

**Armstrong-Blum Mfg. Co. ("Marvel"), 337** N Francisco av, Chicago, Ill.
**Belden Machine Co., New Haven, Conn.**
**Braunsdorf-Mueller Co., Elizabeth, N. J.**
Carolus Mfg. Co. ("Carolus"), Sterling, Ill.
Chandler & Farquhar Co. ("Federal"), 36 Federal, Boston, Mass.
**Cincinnati Tool Co. ("Hargrave," Compound Lever Wire Cutter), Norwood,** Cincinnati, O.
***See adv index at end of book***
Crescent Tool Co. ("Crescent" Wire Cutter), 200 Harrison, Jamestown, N. Y.
**Cronk & Carrier Mfg. Co. ("Cronk" Wire** Cutter & Bender, Hand Only), 150 Lake, Elmira, N. Y.
*See adv index at end of book*

**No. 1 Cronk Wire Cutter and Binder**



**The Cronk & Carrier Mfg. Co.**
**150 Lake Street Elmira, N. Y.**

Keller Mfg. Co. ("Keller"), 1325 N E Quincy, Minneapolis, Minn.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Oliver W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Porter H. K. ("Boston" Electric Wire, Hand), 6 Ashland, Everett, Mass.
*See adv index at end of book*
Robinson M. W. Co. ("Carew's" Patent, Forged Steel), 296 B'way, New York
Rock River Machine Co., Janesville, Wis.
Tucker W. B. & C. F. ("Hercules," "Leviathan"), 516 Asylum, Hartford, Conn.
**Union Mfg. Co. (Combined Punch & Rod** Cutter), 300 Church, New Britain, Conn. *See adv index at end of book*
Williams A. C. Co. (Cast Iron Only), Ravenna, O.
**Worthington Pump & Machy. Corp., 116** B'way, New York
*See adv index at end of book*

## 3589— Cutters (Roll Paper)

Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Champion Paper Cutter Co., Piqua, O.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hilts Wrench & Mfg. Co. ("New York," "Eclipse" & "Reversible"), Richford, N. Y.
Reed Evan L. Mfg. Co., Sterling, Ill.
Streeter N. R. & Co. ("Sensible Giant"), Rochester, N. Y.

## 3590— Cutters (Root)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Belcher & Taylor Agricultural Tool Co. ("Champion," "Farmers'," "Gale," "Whitman"), Chicopee Falls, Mass.
Buch's A. Sons Co. ("Buch," "Pennsylvania"), Elizabethtown, Pa.
Cutaway Harrow Co. ("Clark"), Higganum, Conn.
Donaldson Bros. ("King," "Monarch"), Mount Clemens, Mich.
Eddy W. Plow Co., Greenwich, N. Y.
Gray Iron Casting Co ("Greedygrinder"), Springfield, O.
Greenville Implement Co., Greenville, Mich.
Hamachek Frank ("Ideal"), Kewaunee, Wis.
Hirsch Bros. ("Hirsh"), 267 Reed, Milwaukee, Wis.
Humphrey & Sons ("Humphrey"), Joliet, Ill.
Mann F. W. Co. ("Mann"), Milford, Mass.
Smalley Mfg. Co. (Electric), Manitowoc, Wis.
Thompson O. E. & Sons ("Banner"), Ypsilanti, Mich.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

## 3591—Cutters (Rope, Cord & Twine)

Cutter Mfg. Co., Orient av, Everett Station, Boston, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Reed Evan L. Mfg. Co., Sterling, Ill.

## 3592— Cutters (Rosette)

Osborne C. S. & Co. (Harness Makers, etc.), Box 183, Newark, N. J.
*See adv index at end of book*

## 3593—*Cutters (Rotary, for Drugs & Spices)

Abbe Paul Co., 30 Broad, New York.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

## 3594— Cutters (Routing)

Royle John & Sons, Paterson, N. J.

## 3595-6—Cutters (Screw Slotting)

Barber-Colman Co., Rockford, Ill.
Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Burroughs Tool Co. ("Burro"), 87 Warren, New York
Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
Clough R. M., Tolland, Conn.
Detroit Reamer & Tool Co., 302 Congress, Detroit, Mich.
Disston Hy. & Sons, Tacony, Phila., Pa.
Federal Adding Machine Corp., York & Grove, New Haven, Conn.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.
**SIMMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
Thruston Mfg, Co. ("Thurco"), 140 Benedict, Providence, R. I.
Union Twist Drill Co., Athol, Mass.

## 3597—Cutters (Shear & Rod)

Braun J. G., 609 S Paulina, Chicago, Ill.
Carolus Mfg. Co. ("Carolus", Rod Only), Sterling, Ill.
**CLEVELAND CUTTER & REAMER CO. (THE)** 1619 Merwin av, Cleveland, O.
*See adv index at end of book*
Fastfeed Drill & Tool Corp., Toledo, Ohio & 21 Murray, New York.
McCarthy Drill & Tool Corp., Toledo, O.
Merwin Mfg. Co. ("Vulcan"), Erie, Pa.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.

## 3598— Cutters (Side Milling)

**BECKER MILLING MACHINE CO.,** Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
Cowles Tool Co., 2086 W 110th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Federal Adding Machine Corp., York & Grove, New Haven, Conn.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Ingersoll Milling Machine Co., Rockford, Ill.
**KNAPP ARTHUR ENGNG. CORP.,** 19 W 44th, New York
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse" Heading Mills; also With Inserted Teeth), New Bedford, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W 9th Cleveland, Ohio.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.
Standard Tool Co., 6700 Central av, Cleveland, O.
Thruston Mfg, Co. ("Thurco"), 140 Benedict, Providence, R. I.
Union Twist Drill Co. (Interlocked), Athol, Mass.
U. S. High Speed Steel & Tool Corp. ("Challenger"), 489 5th av, N. Y.

## 3599— Cutters (Sleet)

(For Removing Sleet from Trolley Wires)
Bayonet Trolley Hoop. Co., Springfield, O.
Bonney-Vehslager Tool Co., 60 N. J. R. R. av, Newark, N. J.
Electric Service Supplies Co. ("O-K"), 17 & Cambria, Phila., Pa.
Elec. Material Co. (Sloan Sheet Cutter), 611 W Jackson bldg, Chicago, Ill.
Eureka Co. ("Eureka"), North East, Pa.
Hensley Trolley & Mfg. Co. (Wheel & Steel Cutters), 370 Holden av, Detroit, Mich.
Holland Trolley Supply Co. ("Holland"), 1623 E 43d, Cleveland, O.
**MORE-JONES BRASS & METAL CO.,** Broadway & Dock, St. Louis, Mo.
*See adv index at end of book*
**NUTTALL, R. D. CO.** ("U.-S."), McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Osborne G. H., New Britain, Conn.

## 3600-1-2—Cutters (Soil Pipe)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Mechanicsville Specialty Supply Mfg. Co. ("J. R. S."), Mechanicsville, N. Y.

## Cutters (Spiral Mill)

See Cutters, Side Milling

## 3603— Cutters (Spiral Plug)

Forest City Bit & Tool Co., Rockford, Ill.

## 3604— Cutters (Sprocket)

Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

## 3605—Cutters (Sprue, Foot & Power)

Adams Company ("Steel Tubular Sprue"), Dubuque, Ia.
Barnett Oscar Foundry Co., Irvington, N. J.
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Brass Founders' Supply Co. (Hand & Power for Brass Founders), Wilson av, Newark, N. J.
Busch J. C. Co. (Power Machines), 140 Ferry, Milwaukee, Wis.
Ferracute Machine Co., Bridgeton, N. J.
Foundry Equipment Co., 1833 Columbus rd, Cleveland, O.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Meriden Press & Drop Co. ("Merriman" Sprue Cutting Presses), Meriden, Conn.
Middleditch Benj., Detroit, Mich.
Paxson J. W. Co. ("J-W-P & Co."), Phila., Pa.
Perkins Machine Co., Warren, Mass.
**SHUSTER F. B. CO.** (Foot & Power), Cedar Hills, New Haven, Conn.
*See adv index at end of book*
Standard Machinery Co., Providence, R. I.
Tessmer Mach. & Tool Co., 285 Rivard, Detroit, Mich.
Toledo Machine & Tool Co., Toledo, O.
Turner Machine Co., 3632 N Lawrence, Phila., Pa.
Vulcan Engineering Sales Co. ("Milwaukee," Power), 1764 Elston av, Chicago, Ill.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

## 3606— Cutters (Stalk)

See also Cutters, Fodder
**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Appleton Mfg. Co., Batavia, Ill.
Avery B. F. & Sons ("Cyclone," "Louisville," Spiral or Straight Knife), Louisville, Ky.
Brinly Hardy Co., Louisville, Ky.
Brown Mfg. Co., Zanesville, O.
Case J. I. Plow Works ("J. I. Case" Single & Double Row), Racine, Wis.
Davidson-Dietrich Plow Co. ("Davidson"), Evansville, Ind.
Deere & Co., Moline, Ill.
Emerson-Brantingham Co. ("EB" Single & Double Row), Rockford, Ill.
Gale Mfg. Co. ("Daisy," Single Row), Albion, Mich.
Galesburg Coulter Disc Co. ("Brown," "Galesburg"), Galesburg, Ill.
Hartman Mfg. Co., Vincennes, Ind.
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
International Harvester Company of America (Inc.), ("International" "P. & O."), Harvester bldg, Chicago, Ill.
Keystone Farm Machine Co., York, Pa.
Lehr Agricultural Co., Fremont, O.
Moline Plow Co. ("Easy Rider," "Gladiator" Single & Double Row), Moline, Ill.
Parlin & Orendorff Co. ("P. & O. Canton" Single & Double Row), Canton, Ill.
Peoria Drill & Seeder Co. ("Union") Peoria, Ill.
Peru Plow & Wheel Co. (Single & Double Row), Peru, Ill.
Rock Island Plow Co., Rock Island, Ill.
South Bend Chilled Plow Co., S Bend, Ind.
Southern Plow Co., Dallas, Tex.
Sterling Mfg. Co., Sterling, Ill.
Swanson Plow Co., Muskogee, Okla.
Woodruff Machinery Mfg. Co., Winder, Ga.

## 3606a—Cutters (Standard & Special)

Goddard Tool Co., 351 W Chicago av, Chicago, Ill.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
cago, Ill.

## 3607— Cutters (Stay-Bolt)

See also Pneumatic Stay-Bolt Cutters

Foote-Burt Co. ("Reliance"), 4101 St. Clair av, Cleveland, O.
Landis Machine Co., Waynesboro, Pa.
Stowe Flexible Shaft Co., N 26th & Callowhill, Phila., Pa.
Universal Machine Co. (Single & Double Head), Bowling Green, O.

## 3608— Cutters (Stocking)

Brown & Sharpe Mfg. Co. ("B. & S."), Providence, R. I.
Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio.
Morse Twist Drill & Machine Co. ("Morse" for Involute Gears), New Bedford, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.
Union Twist Drill Co. (For Gears), Athol, Mass.

## 3609— Cutters (Straw)

**ABBE ENGINEERING CO.,** 216-234 B'way, New York
*See adv index at end of book*
Cardwell Machine Co. ("Smith" Lever) 1900 E Cary, Richmond, Va.

## 3610— Cutters (T-Slot)

Barber-Colman Co., Rockford, Ill.
**BECKER MILLING MACHINE CO.,** Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Federal Adding Machine Corp., York & Grove, New Haven, Conn.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Lincoln Twist Drill Co., Taunton, Mass.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**NATIONAL TOOL CO.** ("National-Cleveland, O.
*See adv index at end of book*
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

## 3611—Cutters (Tap & Reamer)

Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
Fastfeed Drill & Tool Corp., Toledo, Ohio & 21 Murray, New York.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Republic Tool & Mfg Co., 1401 W 9th, Cleveland, Ohio.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

## Cutters (Thistle)

See Cutters, Canada Thistle

## 3612—Cutters (Tobacco Counter)

Brunhoff Mfg. Co., 9th & Freeman av, Cincinnati, O.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Enterprise Mfg. Co. of Pa. ("Enterprise" Counter), 3rd & Dauphin, Phila., Pa.
Griswold Mfg. Co. ("Triumph," "Star," Erie, "Standard"), Erie, Pa.
Landers, Frary & Clark ("Lee's"), New Britain, Conn.
National Specialty Mfg. Co., 3rd & Lehigh av, Phila., Pa.
North Bros. Mfg. Co. ("American," also Shaves), Lehigh av & American, Phila., Pa.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio.
Sargent & Co., New Haven, Conn.
Schollhorn Wm. Co. ("Tuck's"), New Haven, Conn.
Wrightsville Hardware Co. ("Queen," "Brighton," "Perfection" & "Superior"), Wrightsville, Pa.

## Cutters (Tube)

See Cutters, Flue

## Cutters (Twine)

See Cutters, Rope, Cord & Twine

## 3613—Cutters (Twist Drill)

Becker Milling Machine Co., Hyde Park, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co., 1619 Merwin av, Cleveland, Ohio.
*See adv index at end of book*
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Fastfeed Drill & Tool Corp., Toledo, Ohio & 21 Murray, New York.
Federal Adding Machine Corp., York & Grove, New Haven, Conn.
**NATIONAL TOOL CO.** ("National-Cleveland"), Cleveland, O.
*See adv index at end of book*
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio.
Union Twist Drill Co., Athol, Mass.

## 3614— Cutters (Vegetable)

See also Cutters, Potato

Ames Plow Co., Quincy Hall, Boston, Mass.
Aspinwall Mfg. Co., Jackson, Mich.
Athol Machine Co. ("American"), Athol, Mass.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Chapman-Sargent, Piqua, O.
Disston Henry & Sons, Tacony, Phila., Pa.
Eddy W. Plow Co., Greenwich, N. Y.
Enterprise Mfg. Co. of Pa. ("Excelsior"), 3rd & Dauphin, Phila. Pa.
Goodell Co., Antrim, N. H.
Humphrey & Sons, Joliet, Ill.
Landers, Frary & Clark, New Britain, Conn.
Lewis E. J. (Celery, Rhubarb, String Bean), Middleport, N. Y.
Mann F. W. Co., Milford, Mass.
Munnsville Plow Co. ("Lightning"), Munnsville, N. Y.
Rollman Mfg. Co. Ltd., Mt. Joy, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn., & 96 Lafayette, New York
Standard Bone Cutter Co., Milford, Mass.
Streeter N. R. & Co. ("Sensible"), Rochester, N. Y.
Thompson O. E. & Sons ("Ypsilanti"), Ypsilanti, Mich.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.

## Cutters (Veneer)

See Veneer Cutting Machines

## 3615—Cutters (Wall Paper Base)

Cassady, Fairbank Mfg. Co. ("Falcon"), 6126 S La Salle, Chicago, Ill.

## 3616—Cutters (Washer & Gasket)

Allen Chas. I. ("Eagle"), Pequabuck, Conn.
Braunsdorf-Mueller Co., Elizabeth, N. J.

THE CINCINNATI TOOL CO.
HARGRAVE
Norwood, Cincinnati, O.
*See adv index at end of book*

Goodell-Pratt Co., Greenfield, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
McCrea Jas. & Co., 562 W Washington, Chicago, Ill.
**OSBORNE C. S. & CO.,** Box 183, Newark, N. J. *See adv index at end of book*
Rose J. A. Mfg. Co., Hastings, Neb.
Sargent & Company ("Appleton's" Washer), New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith Otis A. (Washer Cutters Only), Rockfall, Conn.
Stortz Jno. & Son (Washer), 210 Vine, Phila., Pa.

## 3617— Cutters (Weed)

Gaterman Mfg. Co., Manitowoc, Wis.
Shaw H. C. Co. ("Clean-Cut"), Stockton, Cal.

## Cutters (Wire)

See Cutters, Rod & Wire

## 3618—Cutters (Wire, on Log Cars)

Ransome Concrete Machinery Co., Dunellen, N. J.

## 3619—Cutters & Grinders (Tool Holder)

Armstrong Bros. Tool Co. ("Armstrong" for Cutting Off & Grinding Tool Holder Cutters), 339 N Francisco av, Chicago, Ill.

## 3619a—*Cutting (Oxy-Acetylene)

**ELECTROLABS CO.,** 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
**LINDE AIR PRODUCTS CO.,** 42nd Street bldg, New York
*See adv index at end of book*

## 3620— Cuttlefish Bone

American Trading Co., 25 Broad, N. Y.
McKesson & Robbins, 91 Fulton, New York
Manhattan Drug Co. (Importers), 50 Warren, New York
Sheldon G. W. & Co. (Importers), 8 Bridge, New York

## 3621— Cyanamid

American Cyanamid Co., 511 5th av, New York
Am. Nitrogen Products Co., Seattle, Wash.

## 3622— Cyanide

American Cyanamid Co., 511 5th av, New York
Braun Corporation, 363 New High, Los Angeles, Cal.
Breslauer A. (Industrial Chemicals, Cyanide of Sodium and Potassium), Am. Nat'l Bank bldg, San Francisco, Cal.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Griffiths K. F. & Co., 81 Fulton, New York
Harrison Works (Du Pont), (Cyanide of Soda), 35th & Gray's Ferry rd, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
National Aniline & Chemical Co. Inc., 21 Burling Slip, New York
Roessler & Hasslacher Chemical Co. (Cyanide of Sodium), 109 6th av, New York
Warren Products Co., 265 B'way, N. Y.
*See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 3623— Cyanide Plants

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Arizona & Sonora Mfg. Co., Nogales, Ariz.
Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
Colorado Iron Works Co. ("Rothwell," Continuous Thickener & Filter, etc), Denver, Colo.
Dorr Co. ("Dorr," Continuous Thickener, etc.), Denver, Colo.
Hendryx Cyanide Machinery Co. ("Hendryx" Dewaterer, etc), 136 Liberty, New York

Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 Broadway, New York
*See adv index at end of book*
Koering Cyaniding Process Co., Hammond bldg, Detroit, Mich.
Llewellyn Iron Works, Los Angeles, Cal.
Moore Filter Co. ("Moore"), 50 E 42d, New York
National Tank & Pipe Co., 275 Oak, Portland, Ore.
*See adv index at end of book*
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.
Redwood Manufacturers Co. (Cal. Redwood), Hobart bldg, San Francisco, Cal.
Stearns-Roger Mfg. Co., Denver, Colo.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## Cycles (Railway)

See Cars, Velocipede

## 3623a— *Cyclometers

See also Indicators, Speed
**NEW DEPARTURE MFG. CO.** ("New Departure" for Bicycles), Bristol, Conn. *See adv index at end of book*

## 3624— Cylinder (Re-Boring)

Allentown Experimental Works, Allentown, Pa.
Ambrose Machine Co. ("In Position"), 254 Eagle, Brooklyn, N. Y.
Dunn J. Edward, Co. ("Dunn" Tools for Engine), 9 Bethume, New York.
Fritz Geo. J. Foundry & Machine Co., 2018 S 3d, St. Louis, Mo.
Gould Balance Valve Co., Kellogg, Ia.
Lindstrom Jno. T., Allentown, Pa.
Manitowoc Shipbuilding Co., Manitowoc, Wis.
Mathews Hugh, Kansas City, Mo.
Michigan Machine Co., 85 Porter, Detroit, Mich.
Murray Iron Works Co., Central av & Washington, Burlington, Ia.
Renton Wm., 101 Water, Pittsburgh Pa.
Rooksby E. J. & Co., 435 N 11th, Phila., Pa.
Ruwell W. F., 719 Noble, Phila., Pa.
Schiller, Nolan & Co., Darien & Wood, Phila., Pa.
Underwood H. B. & Co., 1025 Hamilton, Phila., Pa.
Universal Mach. & Tool Co., Canton, O.
Wegner Machine Co., Buffalo, N. Y.
Wilson W. A. Machine Co., Rochester, N.Y.

## 3625—Cylinder & Tank Shells

American Welding Co., Carbondale, Pa.
**BIGGS BOILER WORKS CO.**, Case av & William, Akron, O.
*See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
**DOVER BOILER WORKS**, Sales Offices: N. J. *See adv index at end of book*
**FABRICATED STEEL PRODUCTS CORP.**, Box 505, Leetonia, Ohio.
*See adv index at end of book*
Freeman Mfg. Co., Racine, Wis.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hetzel Steel Form & Iron Co., Warren, O.
Johnson & Thompson, Birmingham, Ala.
Leslie, Elliott & Co., Paterson, N. J.
McNeil Boiler Co., 96 Crozier, Akron, O.
Manitowoc Engng Works, Manitowoc, Wis.
Petroleum Iron Works Co., Sharon, Pa.
**SCAIFE WM. B. & SONS CO.**, First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Smith Samuel & Son Co., Paterson, N. J.
Tippett & Wood, Phillipsburg, N. J.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, O.

## 3625a—Cylinders (Acetylene)

Commercial Cylinder Co., 80 B'way, New York
Scaife Wm. B. Sons Co., 1st Natl. Bank bldg., Pitts., Pa. & 26 Cortlandt, N. Y.
*See adv index at end of book*

## 3626— *Cylinders (Air)

Deming Co., Salem, O.
*See adv index at end of book*

## 3627—Cylinders (Air Compressor)

See also Cylinders, Carbonic Acid Gas; also Cylinders & Shells, Seamless Pressed Steel
Scaife Wm. B. Co., 1st Natl. Bank bldg., Pitts., Pa. & 26 Cortlandt, N. Y.
*See adv index at end of book*

## 3628— Cylinders (Ammonia)

Cureton Wm. & Sons, Lexington, Richmond Co., O.
Manitowoc Engng Works, Manitowoc, Wis.
National Tube Co. ("Shelby"), Seamless Steel), Frick bldg, Pittsburgh, Pa.
**SCAIFE WM. B. & SONS CO.**, First Nat'l Bank bld, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 3629—Cylinders (Artesian Well)

American Well Works, 112 N B'way, Aurora, Ill.
Chicago Well Supply Co. (Brass), 232 W Ontario, Chicago, Ill.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
**DEMING CO.** (Brass), Salem, O.
*See adv index at end of book*
**Fairbanks, Morse & Co. (Single & Double** Acting), 900 S Wabash av, Chicago, Ill.
**Flint & Walling Mfg. Co. ("Hoosier"** Double Acting), Kendallville, Ind.
Hough Chas. N. Mfg. Co. (Cast Iron Seamless Cold Drawn Steel & Seamless Brass), Franklin, Pa.
Humphryes Mfg. Co. (Brass), Mansfield, O.
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Mark Mfg. Co., Evanston, Ill.
Myers F. E. & Bros., 900 Fourth, Ashland, O. *See adv index at end of book*
National Tube Co., Frick bldg, Pittsburgh, Pa.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
San Antonio Machine & Supply Co. ("Samsca" Duplex), San Antonio, Tex.
San Diego Machine Co., San Diego, Cal.
Texas Mfg. Co., Fort Worth, Tex.

## 3630—Cylinders (Blowing Engine)

Weimer Machine Works Co. ("Weimer"), Lebanon, Pa.

## 3631— *Cylinders (Brass)

**DEMING CO.**, Salem, O.
*See adv index at end of book*
San Diego Machine Co., San Diego, Cal.

## 3631a—*Cliynders (Brass & Glass Value)

Myers F. E. & Bro., 900 Fourth, Ashland, O. *See adv index at end of book*

## Cylinders (Brick Hardening)

See Cylinders, Hardening

## Cylinders (Caisson)

See Caissons, Sheet Steel

## 3632-3—*Cylinders (Calcium Light)

**SCAIFE WM. B. & SONS CO.**, First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 3634—Cylinders (Carbonic Acid Gas)

Ballwood Co., The, 30 Church, New York
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Elyria Machine Co., Elyria, O.
**HARRISBURG PIPE & PIPE BENDING CO.** (Seamless), Herr nr 10th, Harrisburg, Pa.
Johnson A. W. V., Mchts. Exchange, San Francisco, Cal.
Kellogg M. W. Co., 90 West, New York
*See adv index at end of book*
National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.
**SCAIFE WM. B. & SONS CO.**, First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 3635— Cylinders (Cast Iron)

Bethlehem Fdry. & Machine Co. (For Chemical Works, etc), South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Brunner Machinery Co., Peru, Ill.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Cooper C. & G. Co., Mt. Vernon, O.
Cureton Wm. & Sons, Lexington, Richland Co., O.
Hough Chas. N. Mfg. Co. (For Artesian & Oil Wells), Franklin, Pa.
Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.
Manufactures' Fdry Co. (For Auto), Waterbury, Conn.
Martin A. E. Foundry & Machine Co., 705 Park, Milwaukee, Wis.
Myers F. E. & Bro. (Brass & Brass Lined), 900 4th, Ashland, O.
*See adv index at end of book*
United States Cast Iron Pipe & Foundry Co. (Large), Burlington, N. J.
Waterbury Castings Co., Waterbury, Conn.
Wisconsin Cylinder Foundry Co., Racine, Wis.

## Cylinders (Cement)

See Tanks & Cylinders, Cement

## 3636—Cylinders (Creosoting)

American Welding Co., Carbondale, Pa.
**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*
Blaw-Knox Co., Freeport rd., Hoboken, Pa.
Casey-Hedges Co., Chattanooga, Tenn.
Coatesville Boiler Works, Coatesville, Pa.
Cole R. D. Mfg. Co., Newman, Ga.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
Dover Boiler Works, Sales Offices: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
**FABRICATED STEEL PRODUCTS CORP.**, Box 505, Leetonia, O.
*See adv index at end of book*
Freeman Mfg. Co., Racine, Wis.
Heggie James G. & Sons, Joliet, Ill.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
McNeil Jas. & Bros. Co., Pittsburgh, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
New York Central Iron Wks Co. Inc., Hagerstown, Md.
Petroleum Iron Works Co., Sharon, Pa.
Reeves Bros. Co., Alliance, O.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.**, First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Smith Samuel & Son Co., Paterson, N. J.
Struthers-Wells, Warren, Pa.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Illinois., 208 S La Salle, Chicago, Ill.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## Cylinders (Deep Well)

See Cylinders, Artesian Well

## 3637—Cylinders (Gasoline Engine)

Bessemer Foundry Co., Grove City, Pa.
Cureton Wm. & Sons, Lexington, Richland Co., O.
Frontier Iron Works, 36 Letchworth, Buffalo, N. Y.
Interstate Foundry Co, East 61st & Erie R R, Cleveland, O.

CYLINDERS (GASOLINE ENGINE)—continued

Moore Sam'l L. & Sons (Marine & Stationary), Elizabeth, N. J.
Pequonnock Foundry, Bridgeport, Conn.
Wainwright W. W. & Son, Connersville, Ind.

### 3638— Cylinders (Glass)

Corning Glass Works, Corning, N. Y.
Pairpoint Corporation, New Bedford, Mass.

### 3638a— Cylinders (Grinding)

A. M. Machine Works, 721 W Washington, Chicago, Ill.
Abbe Engng Co., 216-224 B'way, New York
*See adv index at end of book*
Bartlett C. O. & Snow Co., French, Cleveland, O. *See adv index at end of book*
Patterson Fdry & Mach. Co., E. Liverpool, O.

### 3639— Cylinders (Hardening)

American Clay Machinery Co., Bucyrus, O.
Atlas Car & Mfg. Co. (For Sand, Lime, Brick Plants, etc), Cleveland, O.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Dover Boiler Works. Sales Office: 40 Church, N. Y. Works: Dover, N. J.
*See adv index at end of book*
Freeman Mfg, Co. (Brick), Racine, Wis.
Heggie James G. & Sons, Joliet, Ill.
Jackson & Church Co. (Brick), Saginaw, Mich.
Manitowoc Engineering Works, Manitowoc, Wis.
Reeves Bros. Co. The, Alliance, Ohio.
*See adv index at end of book*
Struthers-Wells Co. (Brick Hardening), Warren, Po.
Treadwell Construction Co., Midland, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

### 3640— Cylinders (Hydraulic)

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
Cureton Wm. & Sons, Lexington, Richland Co., O.
East Jersey Pipe Corp. (High Pressure), Paterson, N. J.
French Oil Mill Machinery Co., Piqua, O.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Houston Car Wheel & Machine Co., Houston, Tex.
Kellogg M. W. Co., 90 West, New York
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
National Tube Co. ("Shelby" Seamless Steel Tubing, Frick bldg, Pittsburgh, Pa.
Reeves Bros. Co., Alliance, Ohio.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
Western Pipe & Steel Co., San Francisco, Cal.

### 3641 — Cylinders (Hydro-Pneumatic)

**DEMING CO.,** Salem, O.
*See adv index at end of book*
**MYERS F. E. & BRO.,** 900 4th, Ashland, O. *See adv index at end of book*
Scaife Wm. B. Sons Co., 1st Natl. Bank bldg., Pitts., Pa. & 26 Cortlandt, N. Y.
*See adv index at end of book*

### 3642—Cylinders (Hydrogen, Oxygen & Chlorine)

**ELECTROLABS CO.,** 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
Elyria Machine Co., Elyria, O.
Federal Pressed Steel Co., Keefe av & N Pierce, Milwaukee, Wis.
**HARRISBURG PIPE & PIPE BENDING CO.** (Seamless), Herr nr. 10th, Harrisburg, Pa.
International Oxygen Co. (dirs), 796 Frelinghuysen av. Newark, N. J.
Johnson A. W. V., Mchts. Exchange, San Francisco, Cal.

Kellogg M. W. Co., 90 West, New York
*See adv index at end of book*
Mac Leod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Manitowoc Engineering Works (Storage), Manitowoc, Wis.
National Tube Co. ("Shelby" Seamless), Frick bldg, Pittsburgh, Pa.
Pressed Steel Tank Co., 58th & Greenfield av, Milwaukee, Wis.
**SCAIFE WM. B. & SONS CO.,** First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

### 3643— Cylinders (Irrigating)

**DEMING CO.** (Wind Mill), Salem, O.
*See adv index at end of book*
San Diego Machine Co., San Diego, Cal.

### 3644—Cylinders (Lard Cooling)

Allbright-Nell Co., 5315 Western av, Chicago, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Devine J. P. Co., Buffalo, N. Y.

### 3645— Cylinders (Pump)

Crestline Mfg. Co., Crestline, O.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Goulds Mfg. Co., Seneca Falls, N. Y.
*See adv index at end of book*
Hayes Pump & Planter Co., Galva, Ill.
Humphryes Mfg. Co. (Brass & Brass Lined). Mansfield, O.
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
McDonald A. Y. Mfg. Co., Dubuque, Ia.
**MYERS F. E. & BRO.** (Ball & Poppet & Spool Valves), 900 Fourth, Ashland, O. *See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila, Pa.
*See adv index at end of book*
San Diego Machine Co., San Diego, Cal.
Trahern Pump Co., Rockford, Ill.

### 3645a—*Cylinders (Regrinding)

Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
*See adv index at end of book*

### 3646—Cylinders (Rock Drill)

Cureton Wm. & Sons, Lexington, Richland Co., O.
Interstate Foundry Co., East 61st & Erie R R, Cleveland, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*

### 3647—Cylinders (Rotary Drying)

American Process Co., 68 William, New York
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Cummer, F. D. & Son Co., Superior Arcade, Cleveland, Ohio
*See adv index at end of book*
**DOVER BOILER WORKS.** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Freeman Mfg. Co., Racine, Wis.
Manitowoc Engineering Works, Manitowoc, Wis.
Reeves Bros. Co., Alliance, O.
*See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Illinois, 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad, New York; Works: Newburgh, N. Y.

### 3648— Cylinders (Tin)

Allenson Bros., 9 Steeple, Providence, R. I.
Getchell Seth S. & Son, Woonsocket, R. I.
Hill James Mfg. Co., 56 Westfield, Providence, R. I.
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Plews R. Mfg. Co., Central Falls, R. I.

### 3648a—Cylinders (Tooth & Nail Brush)

The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.

### 3649— Cylinders (Vanadium)

Capitol Foundry Co. (Automobile, etc), Hartford, Conn.
DuBois Foundry Co. (Small), Cold Spring, N. Y.
Manufacturers Foundry Co. (Automobile, etc), Waterbury, Conn.
Perkins Henry Co. (Automobile & Motor Cycle), Bridgewater, Mass.

### 3650—Cylinders (Vulcanizing)

American Welding Co., Carbondale, Pa.
Casey-Hedges Co., Chattanooga, Tenn.
Manitowoc Engineering Works, Manitowoc, Wis.

### 3651— Cylinders (Welded)

**AMERICAN SPIRAL PIPE WORKS** (Lap Welded), Chicago, Ill.
*See adv index at end of book*
American Welding Co., Carbondale, Pa.
Brunner Machinery Co., Peru, Ill.
Continental Iron Works, West & Calyer, Brooklyn, N. Y.
Kellogg M. W. Co., 90 West, New York
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York.
*See adv index at end of book*

### 3652—Cylinders (White Porous Clay)

Maddock John & Sons, Trenton, N J.

### 3653-4—Cylinders (Wooden)

Bogert & Hopper, Inc., 57 Barclay, N. Y.
*See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 3655—Cylinders & Tanks (Seamless Steel)

American Welding Co. (Welded Steel), Carbondale, Pa.
Federal Pressed Steel Co. (Cold Drawn), Keefe av & N Pierce, Milwaukee, Wis.
**HARRISBURG PIPE & PIPE BENDING CO.,** Herr nr. 10th, Harrisburg, Pa.
Janney, Steinmetz & Co. (Mfrs. Agents), 1421 Chestnut, Phila., Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Pressed Steel Tank Co., 58th & Greenfield av, Milwaukee, Wis.
Wharton Wm. Jr. & Co., Inc. (Seamless Gas), Easton, Pa.
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.

### 3656— Cymene

Industrial Chemical Co., 200 Fifth av, New York

### 3657—Dabbers (Metallic, Automatic)

Tillotson Humidifier Co. ("Greenwood" for Noble Combs), 78 Fountain, Providence, R. I.

### 3658—Dairy Apparatus & Supplies

See also Specific Article Required

Blanke Mfg. & Supply Co., 3rd & Wash'n av, St. Louis, Mo.
Burrell D. H. & Co., Little Falls, N. Y.
Cherry J. G. Co., Cedar Rapids, Iowa
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Clinton Mfg. Co., Clinton, Wis.
Cesco Creamery Supply Co., 52 W Kinzie, Chicago, Ill.
Dairy Machinery & Construction Co., Derby, Conn.
Davies-Watkins Dairymen's Mfg. Co., Jersey City, N. J.
Davis-Watkins Dairymen's Mfg. Co., No. Chicago, Ill.
Dobson Mfg. Co., Rockford, Ill.
Gowing Dietrich Co., 207 W Water, Syracuse, N. Y.
Hall Bros. Co., West Acton, Mass.

Hunt, Helm, Ferris & Co., Harvard, Ill.
Jones Frank L., Utica, N. Y.
Manning Mfg. Co., Rutland, Vt.
Mast Foos & Co. (Dairy Barn Equipment), Springfield, Ohio.
Oakes & Burger Co., Cattaraugus, N. Y.
Official Mfg. Co., La Crosse, Wis.
Rawles Jas. D. Co., 74 Pearl, Boston, Mass.
Reid A. H. Creamery & Dairy Supply Co., 69th & Haverford, Phila., Pa.
Reinhold & Meyer Mfg. Co., Plymouth, Wis.
Sharples Separator Co., West Chester, Pa.
Thatcher Mfg. Co., Elmira, N. Y.
Vermont Farm Machine Co. ("Skimer," "V. F. M.," "Philadelphia," "Eureka"), Bellows Falls, Vt.
Wright R. G. & Co., Buffalo, N. Y.

## Damar Gum Importers

See Varnish Gums

## 3659— Damasks (Cotton)

Avon Mills Co.. (Toweling & Table), Lewiston, Me.
Blair Mills, Belton, S. C.
California Cotton Mills Co., Oakland, Cal.
Clarke Wm. & Sons (Table), Cedar & Margaret, Phila., Pa.
Fidelity Mfg. Co., Charlotte, N. C.
Fink Adam (Table), Orthodox & Large, Phila., Pa.
Gorman Thos. C. (Turkey Red), Adams & Church, Phila., Pa.
Hewett C. G., Unity & Leiper, Phila., Pa.
Huss Mfg. Co. (Table), Bessemer City, N. C.
Irene Mills (Table), Gaffney, S. C.
Kincaid Mfg. Co. (Toweling), Griffin, Ga.
Krager J. (Table), 1543 Ruan, Phila., Pa.
Pauline Mills (Table), Kings Mountain, N. C.
Pepperton Cotton Mills (Toweling), Jackson, Ga.
Renfrew Mfg. Co. (Table), Adams, Mass.
Spencer Mountain Mills (Bleached Toweling & Mercerized Table), Lowell, N. C.
Spencer & Chatterton (Table), 5817 Walker, Phila., Pa.
Stevens Mfg. Co. (Table), Fall River, Mass.
Thorpe Richard Co., 1657 Meadow, Phila., Pa.
Wall Daniel, Unity & Leiper, Phila., Pa.
Wardlow J. & W. (Table), 1615 Foulkrod, Phila., Pa.
Witty Chas. H. & Co. (Turkey Red), Wayne & Berkley, Phila., Pa.
Woodside Cotton Mills Co., Greenville, S. C.
Woodstock Cotton Mills (Table), Anniston, Ala.

## 3660— Damp Course

See also Waterproofing Materials

**Barrett Co., 17 Battery pl, New York**
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Patent Vulcanite Roofing Co. ("Vulcanite" Asphalt), 2256 W 49th, Chicago, Ill.
Simpson Bros. Corporation, 166 Devonshire, Boston, Mass.
Standard Paint Co. (Ru-ber-Oid), 233 Broadway, New York
Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.
Vulcanite Roofing Co. ("Plasterite"), 16th & Texas, San Francisco, Cal.

## Damp Proofing Compounds

See Waterproofing Materials

## 3661— Dampers (Coke Oven)

Helmick Foundry & Machine Co., Fairmont, W. Va.

## 3662—Dampers (Fireplace, Etc.)

Adams Co. ("Hirds" Dome), Dubuque, Ia.
Colonial Fireplace Co. ("Colonial & Myers"), 4631 W 12th, Chicago, Ill.
**COVERT H. W. CO.** ("Covert Throat"), 137 E 46th, New York.
**DONLEY BROS. CO.** ("D. B."), 3625 E 74th Cleveland, O.
*See adv index at end of book*
**JACKSON EDWIN A. & BRO. (Inc.)** (Dome Slide & Ratchet, etc), 50 Beekman, New York
*See adv index at end of book*
Jardine Walter S. & Sons Co. ("Jardine" Throat), 29 Central, Arlington Heights, Mass.
Milford Iron Foundry, Milford, Mass.
Peerless Mfg. Co. ("Peerless"), Louisville, Ky.
Richardson Eri H., 742 Market, San Francisco, Cal.
Stover Mfg. & Engine Co., Freeport, Ill.

## 3663— Dampers (Flue)

Pratt Engineering & Machine Co. (For Chemical Works), Atlanta, Ga.

## 3664—Dampers (For Forced Draft)

Buffalo Forge Co., Buffalo, N. Y

## 3665— Dampers (Stove Pipe)

Adams Co. ("Diamond"), Dubuque, Ia.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Arnold Damper (Inc.), ("Arnold"), Goshen, Ind.
**Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.**
Cheney S. & Son, Manlius, N. Y.
Crunden Martin Mfg. Co., 2d & Gratiot, St. Louis Mo.
Detroit Register Co. ("Yankee"), 38 E Jefferson av, Detroit, Mich.
Devlin Thos Mfg. Co., 3d & Lehigh avs, Phila., Pa.
Gray Iron Foundry Co. (Cast Iron, Spring Handle, etc), Reading, Pa.
Grey Iron Casting Co. (Hot Air), Mt. Joy, Pa.
Griswold Mfg. Co. ("American"), Erie, Pa.
Hood Furnace & Supply Co. ("Hood" Combination & Check Draft), Corning, N. Y.
Loetscher-Ryan Mfg. Co. ("Star"), Dubuque, Ia.
Republic Metalware Co. The, Buffalo, N.Y.
Sayre Stamping Co. ("Uncle Sam"), Sayre, Pa.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) ("Wheeling," Cast & Sheet Iron), Wheeling, W. Va.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co. ("Brighton"), Wrightsville, Pa.

## 3665a— Dams (Soil)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.

## 3666—*Darners (Stocking & Glove)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York.
*See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 3666a— Darts (Air Gun)

See also Ammunition

Quackenbush H. M., Herkimer, N. Y.

## 3667— Dashes (Automobile)

Aluminum Co. of America (Aluminum), Oliver bldg, Pittsburg, Pa.
*See adv index at end of book*
American Veneer Co. (Wood), Hoboken, N. J.
Columbus Auto Brass Co. (Metal), 769 N 4th, Columbus, O.
Detroit Auto Dash Co. (Wood), E Phila. & G. P. R. R., Detroit, Mich.
Hanson-Ward Veneer Co. (Wood), Bay City, Mich.
Hayes Mfg. Co. (Metal), 480 Maybury, Detroit, Mich.
Heil Co., 26th & Montana avs, Milwaukee, Wis.
Indiana Veneer & Panel Co. (Wood), New Albany, Ind.
Kahler Co. (Wood), New Albany, Ind.
Parish Mfg. Co. (Pressed Steel), South Paris, Me.
Todd Mfg. Co., 14 N 12th, Minnesota, Minn.

## 3668— Dashes (Carriage)

Kroh C. Z. Mfg. Co., Toledo, O.
McKinnon Dash Co., Buffalo, N. Y.
Peters Harness & Saddlery Co., 346 Mulberry, Newark, N. J.

## 3669— Dashes (Screen)

Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Woodruff Walter W. & Sons Co., Mt. Carmel, Conn.

## 3670— Dashes (Sleigh)

Searls Mfg. Co. (Screens), 29 Mulberry, Newark, N. J.

## 3671— Davits (Ship)

American Balsa Co., Inc. (Mechanical), 50 E 42d, New York
Steward Davit & Equipment Corp., 17 Battery Pl., New York.
Wilcox, Crittenden & Co., Inc., (& Anchor), Middletown, Conn.
*See adv index at end of book*

## 3671a—Deadlocks for Shipping Tags

Campbell Paper Box Co., South Bend, Ind
Campbell Wire Specialty Co., South Bend, Ind.

## Decalcomania Transfers

See Ornaments, Transfer

## Decarbonizers

See Removers, Carbon

## 3671b— Decolorizers (Glass)

Drakenfeld B. F. & Co., 50 Murray, New York

## Decorations

Under this heading see Sub-classifications:

For other materials used for decorating, etc., see the following classifications in different parts of the book:

**Capitals, Composition; Carvers, Stone;** Carvers, Wood, Classic; Ceilings, Sheet Steel; Floors, Parquet; Glass Stainers; Grille, Fret & Lattice Work; Marble, Art (Scagliola), Marble Interior Work; Memorial Windows; Modelers & Sculptors, Architectural; Mosaics, Various Kinds; Mouldings, Various Kinds; Ornaments, Various Kinds; Papier Mache; Scenic Artists; Sheet Metal Borders, Friezes, etc; Stucco Work; Tiles, Various Kinds; Wall Finishes.

## 3672—Decorations (Carton Pierre)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
**Decorators Supply Co., Archer av & Leo, Chicago, Ill.**
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Co., 81 Bristol, Boston, Mass.
Seifert Frank A., Plastic Relief Co., 2627 Dayton, St. Louis, Mo.

## 3673— Decorations (Church)

Dolan W. J., 100 Boylston, Boston, Mass.
Geissler R., 56 W 8th, New York
**Halbert Geo. & W., 134 Livingston, Brooklyn, N. Y.**
Lamb J. & R. (Inc), 25 6th av, New York
Raby, Hinton & Co., Mechanicsburg, Pa.
Righter & Kolb, 420 Madison av, New York
Tiffany Studios, Madison av & 45th, New York
Toledo Tap & Die Co., Clinton, Toledo, O.
Whitman Studios, 900 Oxford, Phila., Pa.

## 3674—Decorations (Plastic Relief)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.

DECORATIONS (PLASTIC RELIEF)—con.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Co., 81 Bristol, Boston, Mass.
Forman Geo. A., 654 Gates av, Brooklyn, N. Y.
Klee-Thomson Co., 327 E 40th, New York
Milwaukee Ornamental Carving Co., 423 Poplar, Milwaukee, Wis.
National Plastic Relief Co., 330 Main, Cincinnati, O.
Righter & Kolb, 420 Madison av, New York
Root C. R., Hartford, Conn.
Seifert Frank A. Plastic Relief Co., 2627 Dayton, St. Louis, Mo.
Tognarelli & Voigt Co., 1743 N 12th, Phila., Pa.
Walter G. E., 157 E 44th, New York

## 3675—Decorations (Theatre)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Decorators' Supply Co., Archer ave & Leo, Chicago, Ill.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Halbert Geo. & W., 134 Livingston, Brooklyn, N. Y.
National Plastic Relief Co., 330 Main, Cincinnati, Ohio.
Righter & Kolb, 420 Madison av, New York
Seifert Frank A., Plastic Relief Co., 2627 Dayton, St. Louis, Mo.
Story O. L. Scenic Co., Somerville, Mass.

## 3676—Decorative Art Leathers

Baldwin T. F., 16 W 46th, New York
Cordova Leather Co., 176 Madison av, New York
Johnson Leather Co., 43 W 16th, New York
Righter & Kolb, 420 Madison av, New York
**ZAPON LEATHER CLOTH CO.** (Formerly Boston Artificial Leather Co.) ("Zapon"), 200 5th av, New York

## 3677—Decorative Art Tapestries

Bodine-Spanjer Co., 1160 Chatham Court, Chicago, Ill.
Brounet Arthur, 1133 B'way, New York
Mills J. C. Co., 44 Clinton, Brooklyn, N. Y.
Turner J. Spencer Co., 86 Worth, New York

## 3678—Decorative Electric Lighting

Anglo-Am. Co. (Tree Outfits), 634 Smithfield, Pittsburg, Pa.
Beacon Elec. Wks. (Xmas Tree Ltg. Outfits), 132 King, New York
Cumberland Elect. Mfg. Co., Memphis, Tenn.
Elec'l Decorative Flower Co., 140 W 116th, New York
Elux Miniature Lamp Division ("Jaeger"), 6 E 39th, New York
Fensterer & Ruhe (Sprays, Leaves), 37 Murray, New York
General Elec. Co. (Xmas Tree Ltg. Outfits), Schenectady, N. Y.
*See adv index at end of book*
Gudeman & Co. (Flower Baskets, Christmas Tree Lighting Outfits), 19 W 36th, New York
Import Sales Co. (Xmas Tree Ltg.), 27 W 20th, New York
Interstate Electric Novelty Co. (Xmas Tree Outfits, etc), 104 S 4th, New York
McCandless H. W. & Co. (Xmas Tree Lighting Outfits), 406 W 31st, New York
Manhattan Electrical Supply Co. (Christmas Tree & Decorative), 17 Park pl, New York *See adv index at end of book*
National Plastic Relief Co. (Composition), 330 Main, Cincinnati, Ohio.
Propp M. Co., 108 Bowery, New York
Rounds Elec. Co. (Flowers), 44 Boylston, Boston, Mass.
Standard Electric Novelty Co. (Xmas Tree), 730 W Randolph, Chicago, Ill.
Tardie E. J., 156 5th av, New York
Union Battery Co. (Xmas Tree Battery Lighting Outfits), Belleville, N. J.
Warren Walter G. & Co., 1401 W Jackson blvd, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 3679—Decorators (Architectural)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Binner Theo., 423 14th, San Francisco, Cal.
Brounet Arthur, 1133 B'way, New York
Buehner A. Decorators' Supply Co., St. Louis, Mo.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Detroit Decorative Supply Co., 812 14th, Detroit, Mich.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Co., 81 Bristol, Boston, Mass.
Jennens W. H., 1811 Baltimore av, Kansas City, Mo.
Klee-Thomson Co., 327 E 40th, New York
Lombard & Ludwig, 309 14th, N W, Washington, D. C.
Mills J. Clawson Co., 44 Clinton, Brooklyn, N. Y.
Milwaukee Ornamental Carving Co., 423 Poplar, Milwaukee, Wis.
Righter & Kolb, 420 Madison av, New York
Root C. R., Hartford, Conn.
Schneider F. H., 631 W Belden av (Altar Builders, etc), Syracuse, N. Y.
Seifert Frank A., Plastic Relief Co., 2627 Dayton, St. Louis, Mo.
Tugnarelli & Voigt Co., 1743 N 12th, Phila., Pa.

## Decorators (Ecclesiastical)

See Decorations, Church

## 3680—Decorators & Painters (Mural)

Boyle Jno. Co., New Britain, Conn.
Geissler R., 56 W 8th, New York
Nelson W. P. Co., 614 S Michigan av, Chicago, Ill., & 120 W 29th, New York
Rambusch Decorating Co., 2 W 45th, New York
Weber, Lind Co., 1011 Chester av, Cleveland, O.

## 3681—Decoys (Duck, Etc.)

Canvass Decoy Co. ("Acme" Pneumatic), Union City, Tenn.
**ESTES E. B. & SONS**, 364 5th av, New York *See adv index at end of book*
Johnson Wm. R. & Co. ("Johnson's" Folding Paper), Seattle, Wash.
Read William & Sons ("Plover" Tin, also Grease), 364 Washington, Boston, Mass.

## 3682—Defecators

Blymyer Iron Works Co. ("Santa Clara"), Cincinnati, O.
Buffalo Steam Pump Co., Buffalo, N. Y.
Coatesville Boiler Works, 30 Church, New York
Coldwell-Wilcox Co., Newburgh, N. Y.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Dover Boiler Works, 50 Church, New York
*See adv index at end of book*
**FABRICATED STEEL PRODUCTS CORP.**, Box 505, Leetonia, O.
*See adv index at end of book*
Flynn W. S., 76 Hudson, Jersey City, N. J.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
**HAUBTMAN & LOEB CO. (LTD.)**, 618 Magazine, New Orleans, La.
*See adv index at end of book*
Joubert & Goslin Mach. & Fdry. Co., Birmington, Ala.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Krajewski-Pesant Corp., 50 Broad, New York
Murphy, Jno. H., Iron Works, 643 Magazine, New Orleans, La.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Pusey & Jones, Wilmington, Del.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Tippett & Wood, Phillipsburg, N. J.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
M. H. Treadwell Co., 140 Cedar, New York
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

## 3683—Deflectors (Auto-Light)

Art Metal Mfg. Co. ("Amco" Deflector), E 61st & Curtiss av, Cleveland, O.
Heinze Elec. Co. ("Ames" Deflector), Lowell, Mass.

## 3684—Deflectors (Car Heater)

Lord Mfg. Co., 105 W 40th, New York

## 3684a— Deflectors (Heat)

Heitland Grate & Mantel Co. (For Open Fireplaces), 120 W 5th, Quincy, Ill.

## 3685— Degerminators

Beall Improvements Co., Inc., Decatur, Ill.
Nordyke & Marmon Co. (Corn), Kentucky av & Morris, Indianapolis, Ind.

## 3686— Degras

Hummel & Robinson (Refined, Neutral & Common), 26 Cortlandt, New York.
Innis, Speiden & Co. Inc., 46 Cliff, New York. *See adv index at end of book*
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Montgomery W. L. & Co. ("Arlington Mills"), 10 High, Boston, Mass.
National Oil Products Co., Harrison, N. J.
Pfaltz & Bauer ("Golden Fleece" Imported), 300 Pearl, New York
Swan & Finch Co. (Imported), 165 B'way, New York
Young Frank L. Co. (Anchor & Merino), 111 Purchase, Boston, Mass.

## 3687— Degreasing

Grease & Oil Extracted from All Kinds of leather.
**KUTZTOWN FOUNDRY & MACHINE CO.** (Plants & Equipments for Degreasing), 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
Printz Degreasing Co., 1001 Chestnut, Phila., Pa.
Simonin's C. F. Sons, Tiogo & Belgrade, Phila., Pa.
Spence Degreasing Co., 26 Av L, Newark, N. J.
Woburn Degreasing Co., Woburn, Mass.

## 3688—*Degreasing Plants & Equipments

**KUTZTOWN FOUNDRY & MACHINE CO.**, 1421 Chestnut, Phila., Pa.
*See adv index at end of book*

## 3689— Dehorners (Cattle)

Leavitt Mfg. Co. ("Leavitt," "H. H. Brown," "Newton & McGee"), Urbana, Ill.
Mann Cork ("Manco"), 72 W Adams, Chicago, Ill.
Phillips Morris T. ("Keystone"), Pomeroy, Pa.
Pratt Wm. E. Mfg. Co. ("Perfect"), 35 W Lake, Chicago, Ill.
Rhodes Mfg. Co., Grand Rapids, Mich.
Ridgely Trimmer Co., Springfield, O.
Sayre L. A. Co. ("Calf"), 332 Mulberry, Newark, N. J.

## 3689a— Dehumidifiers

Braemer Air Conditioning Corp., Lafayette bldg., Phila., Pa.
Carrier Engng. Corp., 39 Cortlandt, New York
Fleisher W. L. & Co. Inc., 31 Union sq., W, New York
Triumph Ice Machine Co., Oakley, Cincinnati, O.

## 3689b— Dehydrators

Bartlett C. O. & Snow Co., French, Cleveland, O. *See adv index at end of book*
Drying Systems, Inc. (Fruits & Vegetables), 320 N Michigan av, Chicago, Ill.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Triumph Ice Machine Co., Oakley, Cincinnati, O.

## 3690—Delta Metal Bars & Plates

Phosphor Bronze Smelting Co., 2200 Washington av, Phila., Pa.

## 3690a— Demagnetizers (Tool)

Electric Brazing & Welding Machine Co. ("Bulldog"), 30 Church, New York

## 3691—Demagnetizers (Watch)

Green W. Electric Co., 81 Nassau, New York

McDonald Elec. Co. ("South Bend," "Quick Action"), Chenoa, Ill.
Quick Action Ignition Co., South Bend, Ind.
Sorenson P., 18 Dunham pl, Brooklyn, N. Y.

## 3692— Demijohns

Bahr Demijohn Co., 901 Grand, Bklyn, N. Y.
Boley B., Olean, N. Y.
Hawley Glass Co., Hawley, Pa.
Illinois Glass Co., Alton, Ill.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Robinson Clay Product Co. (Pottery), Akron, O.
Scott-Warman Glass Co., East Stroudsburg, Pa.
White Fred C. (Boxed "Twoplex"), 241 Water, New York

## 3693— Denims

Amoskeag Mfg. Co., Manchester, N. H.
Canton Cotton Mills (Blue Indigo), Canton, Ga.
Carhartt Hamilton Cotton Mills, Rock Hill, S. C.
Columbian Mfg. Co., Greenville, N. H.
Eagle & Phenix Mills, Columbus, Ga.
Erwin Cotton Mills Co., West Durham, N. C.
Everett Mills, 120 Franklin, Boston, Mass.
Falls Co., Norwich, Conn.
Hamburger Cotton Mills, Columbus, Ga.
Holt, Gant & Holt Cotton Mfg. Co., Elon College, N. C.
McAden Mills, McAdenville, N. C.
Massachusetts Cotton Mills, Lowell, Mass.
Oakland Mills, Taunton, Mass.
Pelham Mfg. Co., Pelham, Ga.
Pell City Mfg. Co. (Indigo), Pell City, Ala.
Pemberton Co., Lawrence, Mass.
Proximity Mfg. Co. (Indigo Blue), Greensboro, N. C.
Royal Mills (All Colors), Charleston, S. C.
Shetucket Co., Greenville, Conn.
Texas Cotton Mill Co., McKinney, Texas
Thorndike Co., Thorndike, Mass.
Tupelo Cotton Mills, Tupelo, Miss.
Uncasville Mfg. Co., Uncasville, Conn.
Walton Cotton Mill Co., Monroe, Ga.
Whitaker Wm. & Sons, Cedar Grove, Phila., Pa.
White Bros., E. Jaffrey, N. H.
White N. D. & Sons, Winchendon Springs, Mass.
York Mfg. Co., Saco, Me.

## 3693a— Denetrators

Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*
Duriron Casting Co., 90 West, New York
Thermal Syndicate Ltd., 59 E 41st, New York

## 3693b— Deodorizers (Oil & Fat)

Allbright-Nell, 5323 Western blvd., Chicago, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Staddon Donald R. & Co., 104 John, N. Y.
West Disinfecting Co. (Euchrelyptum), 411 5th av, New York

## 3694— Depilatories

Grasselli Chemical Co., Guardian bldg. Cleveland, O.

## 3694a—Depressors (Tongue)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 3695— Derailers (Car)

Cincinnati Frog & Switch Co., Cincinnati, Ohio
*See adv index at end of book*

Established 1906
THE CINCINNATI FROG & SWITCH CO.
Cincinnati, Ohio

Cleveland Frog & Crossing Co. ("Porter"), 6917 Bessemer av, Cleveland, O.
General Railway Signal Co. ("Anderson-Bevan"), Rochester, N. Y.
Hayes Track Appliance Co. ("Hayes" Lifting & Pivot De-Rails, for Steam or Street Railways), Richmond, Ind.
Morden Frog & Crossing Works (Half Split), 208 S La Salle, Chicago, Ill.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pettibone, Mulliken & Co., 140 S Dearborn, Chicago, Ill.
Pneumatic Gate Co., 1921 S Fairfield av, Chicago, Ill.
Q. & C. Co., 90 West, New York
Railroad Supply Co. ("Chicago"), 203 S Dearborn, Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.
Seattle Frog & Switch Co., Smith bldg., Seattle, Wash.
St. Louis Frog & Switch Co., Chemical bldg, St. Louis, Mo.
Track Specialties Co., 29 B'way, New York

## 3695a— Derivatives (Coal Tar)

Barrett Co., 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
Butterworth-Judson Corp., 61 B'way, New York *See adv index at end of book*
Hooker Electrochemical Co., 40 Wall, New York
Marden, Orth & Hastings Co., 136 Liberty, New York.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Semet Solvay Co., Syracuse, N. Y.

## 3696—Derrick Irons & Fittings

Allen Engineering Co., Inc., 14 N 55th, Phila., Pa.
American Hoist & Derrick Co., St. Paul, Minn.
**BOLAND MACHINE & MFG. CO.** (Horse Power Machine & Slings), 1006 Tchoupitoulas, New Orleans, La.
*See adv index at end of book*
Boston Oregon Mast Co., 131 Coleridge, East Boston, Mass.
Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
**Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.**
*See adv index at end of book*
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*

Derrick Irons and Fittings
Manufactured By
CLYDE IRON WORKS
CLYDE IRON WORKS SALES CO.
Sole Distributors
DULUTH, MINN.

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Lane Mfg. Co. (Derrick Turning Gears, Air or Steam), Montpelier, Vt.
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Memphis Machine Works, Memphis, Tenn.
National Equipment Co. (Convertible), 122 S Michigan, Chicago, Ill.
**New Albany Machine Mfg. Co., New Albany, Ind.**
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
**Pittsburgh Block & Mfg. Co., 818 South av, Pittsburgh, Pa.**
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.
**SHANNON J. JACOB & CO.**, 1744 Market, Phila., Pa.
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
**Street Bros. Machine Works, Chattanooga, Tenn.**
Stroudsburg Engine Works, Stroudsburg, Pa.
Terry Edw. F. Mfg. Co., Grand Central Terminal, New York
Union Iron Works, Hoboken, N. J.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
**WILSON MACHINERY CO.**, 301-331 W 35th, Chicago, Ill.
*See adv index at end of book*

## Derrick Spars, Masts & Booms

See Masts & Spars

## 3696a[1]— Derrick Swingers

See also Engines, Swinging
Dake Engine Co., Grand Haven, Mich.
Wilson Machinery Co., 301-331 W 35th, Phila., Pa. *See adv index at end of book*

## 3696a—Derricks (A. Frame)

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Fall, N. Y.
*See adv index at end of book*
National Equipment Co., 122 S Michigan, Chicago, Ill.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## Derricks (Breast)

See Derrick Bldrs.

## 3697— Derricks (Builders')

See also Hoists, Various Kinds
American Hoist & Derrick Co., St. Paul, Minn.
**BUFFALO HOIST & DERRICK CO.**, 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
**CLYDE IRON WORKS SALES CO.**, Duluth, Minn. *See adv index at end of book*
Dobbie Foundry & Machine Co. ("Dobbie" Breast Derricks), Niagara Falls, N. Y.
*See adv index at end of book*
Hoisting Engine Sales Co., Grand Central Terminal, New York
**Insley Mfg. Co., 3500 E St. Clair, Indianapolis, Ind.**
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Minneapolis Steel & Machy. Co., 2854 Minnehaha, Minneapolis, Minn.
**Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark N. J.**
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Sasgen Derrick Co. ("Sasgen" Circle Swing, Hand Power), 3101 W Grand av, Chicago, Ill.
Shannon J. Jacob & Co., 1744 Market, Phila., Pa.
**Taylor Portable Steel Derrick Co., 215 W Grand av, Chicago, Ill.**
Williams G. H,. Co., Erie, Pa.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 3698— Derricks (Crane)

American Hoist & Derrick Co., St. Paul, Minn.
Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y.
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
**CLYDE IRON WORKS SALES CO.**, Duluth, Minn. *See adv index at end of book*
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*
Lakeside Bridge & Steel Co., N Milwaukee, Wis. *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Maine Electric Co. (Electric), Portland, Me.
**NORTHERN ENGINEERING WORKS** (Electric), 9 Chene, Detroit, Mich.
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.
**SHANNON J. JACOB & CO.**, 1744 Market, Phila., Pa.

DERRICKS—CRANE—continued
Street Bros. Machine Works, Chattanooga, Tenn.
Williams G. H. Co., Erie, Pa.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 3699— Derricks (Farm)

Friend Mfg. Co., Gasport, N. Y.
Heller-Aller Co., Napoleon, O.
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 3700— Derricks (Floating or Barge)

**BUFFALO HOIST & DERRICK CO.,** 131 Erie, Buffalo, N. Y.
Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y. *See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
National Equipment Co., 122 S Michigan, Chicago, Ill.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
**WILSON MACHINERY CO.,** 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 3701— Derricks (Folding)

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y. *See adv index at end of book*
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.

## 3702-3— Derricks (Guy)

American Bridge Co. (Steel), 30 Church, New York
American Hoist & Derrick Co. (Self-Slewing Steel or Wooden), St. Paul, Minn.
Bedford Foundry & Machine Co. (Steel), Bedford, Ind.
Bronx Derrick & Tool Co. ("Dennis" for Stone Setters, Iron Workers, etc.), 143d & Southern blvd, New York *See adv index at end of book*

BRONX DERRICK & TOOL CO.
Manufacturers of
"Dennis" DERRICKS
*Guy Derricks, Hoisting Engines and Air Compressors for Sale or Rent*
143d Street and Southern Blvd., New York

Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y. *See adv index at end of book*
Byers Jno. F. Machine Co., 242 Sycamore, Ravenna, O. *See adv index at end of book*
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Continental Bridge Co., 460 Monadnock Block, Chicago, Ill.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y. *See adv index at end of book*
Lakeside Bridge & Steel Co., No. Milwaukee, Wis. *See adv index at end of book*
Hoisting Machinery Co., 50 Church, New York *See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
**Minneapolis Steel & Machinery Co.** (Steel or Timber Mast, Steel Boom, **Operated by "Twin-City" Electric,** Gasoline & Steam Hoists), 2854 Minnehaha av, Minneapolis, Minn.
**Monighan Machine Co., 2032 Carroll av,** Chicago, Ill.
National Equipment Co., 122 S. Michigan, Chicago, Ill.
National Iron Co., Duluth, Minn.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Sasgen Derrick Co. ("Sasgen" Guy Line,) 3101 W Grand av., Chicago, Ill.
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
Stroudsburg Engine Works, Stroudsburg, Pa.
Williams G. H. Co., Erie, Pa.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 3704—Derricks (Locomotive)

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 3704a—*Derricks (Midget)

Haywood Co., 50 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

## Derricks (Log Loading)

See Loaders, Log

## 3705— Derricks (Misc.)

See also Cranes of Various Kinds; also Hoists of Various Kinds
Biegert J. C. Machine Works, Seattle, Wash.
Browning, Sommer & Adams, Cleveland, O., Mansfield, O. & College Point, N. Y. *See adv index at end of book*
Byers Jno. F. Machine Co., 242 S Sycamore av, Ravenna, O. *See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*

DERRICKS
Manufactured By
CLYDE IRON WORKS
CLYDE IRON WORKS SALES CO.
Sole Distributors
DULUTH, MINN.

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y. *See adv index at end of book*
Granite City Iron Works Co., St. Cloud, Minn.
Hayward Co., 50 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

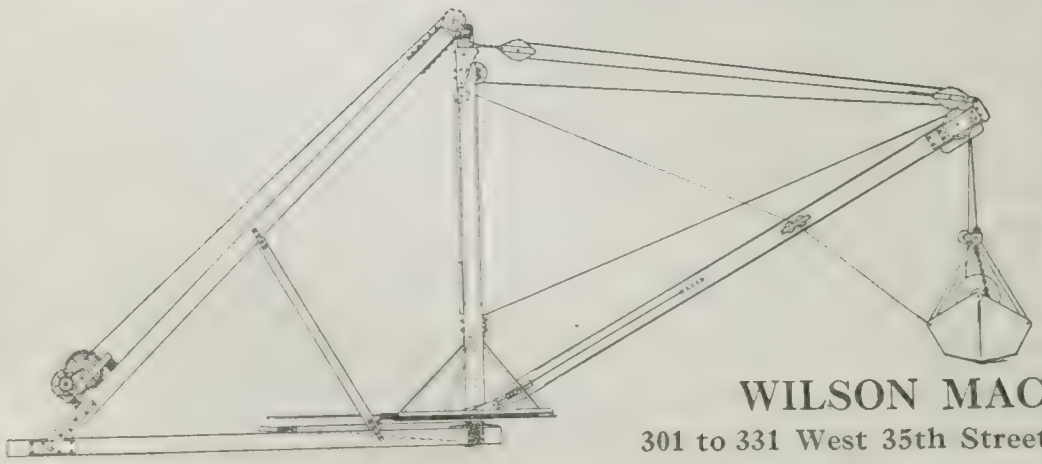
Horton, John T., 157th & 8th av, New York
Kelly L. J. Mfg. Co. (Breast & Ditch), Albany, N. Y.
Lake Shore Engine Works (& Derrick Hoisters), Marquette, Mich.
Lane Mfg. Co. (Boom), Montpelier, Vt.
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
Lincoln Iron Works, Rutland, Vt.
Northwestern Iron Works, Seattle, Wash.
Patch F. R. Mfg. Co., Rutland, Vt.
St. Cloud Iron Works, St. Cloud, Minn.
**SHANNON J. JACOB & CO.,** 1744 Market, Phila., Pa.
Smith, Whitcomb & Cook Co., Barre, Vt.
Superior Iron Works Co. (Heavy & Swinging Engines), Superior, Wis.
Taylor Portable Steel Derrick Co., 215 W Grand av, Chicago, Ill.
Vogel Tool Co., 912 E 19th, Kansas City, Mo.
Washington Iron Works, Seattle, Wash.
Williams G. H. Co., Erie, Pa.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

## 3706—Derricks (Oil & Water Well)

Keystone Driller Co., Beaver Falls, Pa. *See adv index at end of book*
National Supply Co. (Oil Well), Union Bank bldg, Pittsburgh, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.

## 3707— Derricks (Pile Driving)

Clyde Iron Works Sales Co. (Mounted on Spool Rollers), Duluth, Minn. *See adv index at end of book*


Derricks 8″ x 8″ to 18″ x 18″
Steel and Wood Construction
Clam Shell Outfits
Hoisting Engines
Wire Rope Blocks and Sheaves
Car Derricks. Cranes
*Manufactured by*
WILSON MACHINERY COMPANY
301 to 331 West 35th Street CHICAGO, ILL.

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
**MUNDY J. S. HOISTING ENGINE CO.,** 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Nashville Bridge Co., Nashville, Tenn.
National Iron Co., Duluth, Minn.
Smith, Theo. & Sons Co., ft Essex, Jersey City, N. J.
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
Stroudsburg Engine Works, Stroudsburg, Pa.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill.
*See adv index at end of book*

## 3708— Derricks (Pipe)

Mueller H. Mfg. Co. (Improved Derrick & Pipe Tongs for Water Mains), Decatur, Ill.
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.
**Taylor Portable Steel Derrick Co. (For Unloading Gondola Cars), 215 W. Grand av, Chicago, Ill.**

## 3709— Derricks (Portable)

**BYERS JNO. F. MACHINE CO.,** 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*
**Exeter Machine Works, Pittston, Pa.**
**Sasgen Derrick Co.,** 3101 W Grand av, Chicago, Ill.
Schmeiser Mfg. Co., Hay, Davis, Cal.
**Taylor Portable Steel Derrick Co. ("Taylor" Steel), 215 W Grand av, Chicago, Ill.**
**Williams G. H. Co., Erie, Pa.**
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill.
*See adv index at end of book*

## Derricks (Revolving)

**See Derricks, Guy; also Derricks, Stiff-Leg**

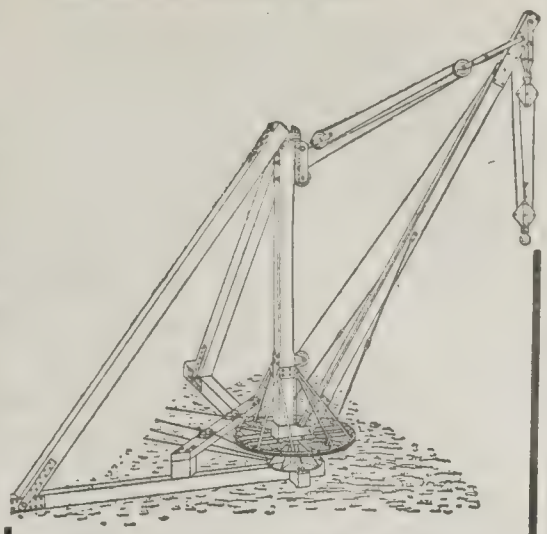
## 3710— Derricks (Steel)

**See also Derricks, Misc.**

**American Bridge Co.,** 30 Church, New York
American Hoist & Derrick Co., St. Paul, Minn.
**Bedford Foundry & Machine Co., Bedford, Ind.**
Boss Pulling Machine Co. ("Handy"), Vanburen, Ind.
**BUFFALO HOIST & DERRICK CO.,** 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
**CLYDE IRON WORKS SALES CO.** (Stiff Leg Bull Wheel, etc.), Duluth, Minn.
*See adv index at end of book*
Continental Bridge Co., Peotone, Ill.
Continental Bridge Co., 460 Monadnock Block, Chicago, Ill.

When writing to firms whose names appear in this book please mention
HENDRICKS' COMMERCIAL REGISTER.

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*



**Dobbie Foundry and Machine Co.**
*Steel Derricks, Fittings for Timber Derricks, Hand and Power Hoists*
NIAGARA FALLS, N. Y.

**Insley Mfg. Co. (Contractors')** 3500 E St. Clair, Indianapolis, Ind.
Lakeside Bridge & Steel Co., No Milwaukee, Wis. *See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
**Minneapolis Steel & Machinery Co. (Stiff** Leg Operated by "Twin City" Electric, Gasoline or Steam Hoist), 2854 Minnehaha av, Minneapolis, Minn.
Nashville Bridge Co., Nashville, Tenn.
National Equipment Co., 122 S Michigan, Chicago, Ill.
**National Iron Co., Duluth, Minn.**
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Page Engineering Co. (Revolving Boom), 189 W Madison, Chicago, Ill.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.
**Taylor Portable Steel Derrick Co., 215 W Grand av, Chicago, Ill.**
Terry Edw. F. Mfg. Co., Grand Central Term., New York
Williams G. H. Co., Erie, Pa.
**WILSON MACHINERY CO.,** 301-331 W 35th, Chicago, Ill.
*See adv index at end of book*
Yorke Derrick Co. (For Well Drilling etc), Washington, Pa.

## 3711— Derricks (Stiff-Leg)

American Hoist & Derrick Co., St. Paul, Minn.
Bedford Foundry & Machine Co. (Steel), Bedford, Ind.
Boston-Oregon Mast Co., 131 Coleridge, East Boston, Mass.
**BRONX DERRICK & TOOL CO.,** 143d & Southern blvd., New York
*See adv index at end of book*
Brunner & Lay (Portable, Steam or Horse Power), 570 W Polk, Chicago, Ill.
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clyde Iron Works Sales Co. (Steel, Bull Wheel, etc), Duluth, Minn.
*See adv index at end of book*
Continental Bridge Co., 460 Monadnock Block, Chicago, Ill.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*
Hoisting Machinery Co., 50 Church, New York *See adv index at end of book*
Lakeside Bridge & Steel Co., No. Milwaukee, Wis. *See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
Minneapolis Steel & Machinery Co. (Steel **or Timber Steel Boom Operated by "Twin-City," Electric. Gasoline or** Steam Hoist), 2854 Minnehaha av, Minneapolis, Minn.
Mitchell-Tappen Co. (Steel), 15 John, New York
Monighan Machine Co., 2032 Carroll av, Chicago, Ill.
Nashville Bridge Co., Nashville, Tenn.
National Equipment Co., 122 S Michigan, Chicago, Ill.
National Iron Co., Duluth, Minn.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Sasgen Derrick Co. ("Sasgen"), 3101 W Grand av, Chicago, Ill.
South St. Louis Foundry Co., 7514 S Broadway, St. Louis, Mo.
Stroudsburg Engine Works, Stroudsburg, Pa.
Williams G. H. Co., Erie, Pa.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill.
*See adv index at end of book*

## 3712— Derricks (Sulky)

Channon Jas. H. Mfg. Co. (For Laying Pipe), 227 W Erie, Chicago, Ill.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*

## 3713— Derricks (Tower)

**American Hoist & Derrick Co., St. Paul, Minn.**
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*
National Equipment Co., 122 S Michigan, Chicago, Ill
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.

## 3714— Derricks (Traveling)

Allen Engineering Co., Inc. (Electric & Steam), 14 N 55th, Phila., Pa.
**American Hoist & Derrick Co., St. Paul, Minn.**
**BUFFALO HOIST & DERRICK CO.,** 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
Byers Jno. F. Machine Co., 242 So. Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*
**HAYWARD CO., THE** (Steel), 30 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

Hoisting Machy. Co., 50 Church, New York *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av P & R Ry, Phila., Pa. *See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Shannon J. Jacob & Co., 1744 Market, Phila., Pa.
South St. Louis Foundry Co., 7514 S Broadway, St. Louis, Mo.
Williams G. H. Co., Erie, Pa.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill.
*See adv index at end of book*

## 3715— Derricks (Tripod)

Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*

DERRICKS (TRIPOD)—continued

New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.

## 3715a—Designers of Special Tools, Jigs, Fixtures & Dies

Co-Operative Engng. Co., 50 Church, New York
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
*See adv index at end of book*
Johns Engineering Co., 625 Champlain av, Cleveland, O.
*See adv index at end of book*
**KNAPP ARTHUR ENGNG. CORP.**, 19 W 44th, New York
*See adv index at end of book*
Modern Tool, Die & Machine Co., 216-220 N 4th, Columbus, O.
**NORTH SIDE TOOL CO., THE**, 17-19 Maryland av, Dayton, O.
*See adv index at end of book*
Pennsylvania Tool & Mfg. Co., York, Pa.
Walstad Machine Co., Tomasco, Wash.

## 3715b— De-Sizing

Malt-Diastase Co. ("Diax" & "Textase" for Bleaching, Dyeing, Mercerising, etc.), 79 Wall, New York

## 3716— *Desk Fittings

Grammes, L. F., & Sons, Allentown, Pa.
*See adv index at end of book*
**SCHIMPER WILLIAM & Co.**, 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York
*See adv index at end of book*

## 3716a— *Desk Hardware

Grammes, L. F., & Sons, Allentown, Pa.
*See adv index at end of book*
Weber-Knapp Co., Jamestown, N. Y.

## 3717— Desk Mfrs.

Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Atlanta Table Co. (Office & Typewriter Tables), Atlanta, Ga.
Bagby Furniture Co., Eastern av & Exeter, Baltimore, Md.
Bentley & Gerwig Furniture Co. (Roll Top & Flat), Parkersburg, W. Va.
Browne-Morse Co., Muskegon, Mich.
Canton Furniture Mfg. Co., Canton, O.
Capital City Furniture Co., 639 Jackson, St. Paul, Minn.
Central Mfg. Co., 454 Armour, Chicago, Ill.
Clemetsen Co. ("Clemco"), 2607 Flournoy, Chicago, Ill.
Cleveland Metalcraft Co. (Steel), E 71st & Belt Line, Cleveland, O.
Columbia Lumber & Mfg. Co., Columbia, S. C.
Commercial Furniture Co., 2718 W Superior, Chicago, Ill.
Corry Fibre Furniture Co., Corry, Pa.
Cutler Desk Co. (Roll & Flat Top), Buffalo, N. Y.
Dearborn Desk Mfg. Co., Marion, Ind.
Derby Desk Co., Somerville, Mass.
Dietz J. F. & Co., 4851 Spring Grove av, Cincinnati, O.
Dornette J. & Bro. Co., 1250 Harrison av, Cincinnati, O.
Doten-Dunton Desk Co., 25 Arch, Boston, Mass.
Eckman Furniture Co., Jamestown, N. Y.
Englewood Desk Co., 58th & Lowe av, Chicago, Ill.
Evansville Desk Co., Evansville, Ind.
Fassler Jacob, Utica, N. Y.
Fire-Proof Furniture & Construction Co. (Steel), Miamisburg, O.
Forest City Furniture Co., Rockford, Ill.
Globe-Wernicke Co. (Sectional Card Index & Posting), 25 Carthage av, Cincinnati, O.
Gunn Furniture Co., Grand Rapids, Mich.
Hale Co., 14 Stone, New York
Haney School Furniture Co., Grand Rapids, Mich.
Hart Mfg. (Typewriter), Findlay, O.
Herrmann H. Furniture Co. (Typwriter), 370 Broome, New York
Himmel M. L. & Son, 113 Gay, Baltimore, Md.
Holman R. Co., Chelsea, Mass.
Honeoye Falls Furniture Co., Honeoye Falls, N. Y.
Horrocks Desk Co., Herkimer, N. Y.
Illinois School Furniture Co. (Flat Top, Typewriter & Roll Top), Rockford, Ill.
Imperial Desk Co. (Typewriter), Evansville, Ind.
Inner Braced Furniture Co., Elkhart, Ind.
Jasper Desk Co., Jasper, Ind.
Lauter H. Co., W Wabash & Harding, Indianapolis, Ind.
Leopold Desk Co., Burlington, Ia.
Marysville Cabinet Co. ("Queen" Typewriter), Marysville, O.
Metal Office Furniture Co. (Steel Office Desks), Grand Rapids, Mich.
Michigan Desk Co., Grand Rapids, Mich.
Minneapolis Desk Mfg. Co., Minneapolis, Minn.
Minneapolis Office & School Furniture Co. (School), 801 S. E. 8th, Minneapolis, Minn.
Montgomery Table & Desk Co., Montgomery, Pa.
Myrtle Desk Co., High Point, N. C.
National Desk Co., Herkimer, N. Y.
Northwestern Furniture Co., 271 W Water, Milwaukee, Wis.
Novelty Wood Works Co., Union City, Pa.
Olsen O. C. S. Co., 2511 Moffat, Chicago, Ill.
Orpin Bros., Charlestown, Boston, Mass.
Peter & Volz Co., Arlington Heights, Ill.
Petersen A. Desk Co., 426 Armour, Chicago, Ill.
Quigley Furniture Co., The (Typewriter), Whitesboro, N. Y.
Quincy Show Case Works, Quincy, Ill.
Roehr Co., Bucyrus, O.
Sargent Mfg. Co. (House & Ladies), Muskegon, Mich.
Schwarzwaelder W., & Co., Chichester, N. Y.
Shelbyville Desk Co., Shelbyville, Ind.
Southern Desk Co. (Domestic Science & Teachers' Desks), Hickory, N. C.
Standard Furniture Co., Herkimer, N. Y.
Sterling Desk Co., Grand Rapids, Mich.
Tell City Desk Co., Tell City, Ind.
Toledo Desk & Fixture Co., Toledo, O.
Trio Mfg. Co. (Steel), Cleveland, O.
Udell Works (Ladies), Indianapolis, Ind.
Union Furniture & Novelty Co., Warren, Pa.
Valley City Desk Co., Grand Rapids, Mich.
Wagemaker Co., Grand Rapids, Mich.
Weis Mfg. Co., Monroe, Mich.
Western Furniture Co., Blair av & Palm, St. Louis, Mo.
Winnebago Furniture Mfg. Co. (Typewriter), Fond du Lac, Wis.
Winneberger Geo. & Son, 252 S 3d, Phila., Pa.
Winter Co., Sheboygan, Wis.
Witte J. C. Mfg. Co., 30 E Henn av, Minneapolis, Minn.
Yawman & Erb Mfg. Co., Rochester, N. Y.

## 3718— Desk Slides

**STANLEY WORKS** (Wrought Steel), New Briton, Conn.
*See adv index at end of book*

## 3719—Desk Swinging Attachments

Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.
Shelbyville Desk Co., Shelbyville, Ind.
Weis Mfg. Co., Monroe, Mich.

## 3719a—Desks (Factory & Shipping Room, Steel)

Lyon Metallic Mfg. Co., Aurora, Ill.

## Desks (School)

See Furniture, School

## 3720— Desks (Steel)

See also Bank & Office Fixtures, Metallic
Art Metal Construction Co. (Check, Foremen's, Log, Office), Jamestown, N. Y.
*See adv index at end of book*
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Edwards O. M. Co., Inc., Syracuse, N. Y.
General Fireproofing Co. ("A. F. All-steel"), Youngstown, O.
Lyon Metallic Mfg. Co. ("Lyon" for Factories), Aurora, Ill.
Metal Office Furniture Co. (Office), Grand Rapids, Mich.
Steel Furniture Co., Grand Rapids, Mich.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Watson Mfg. Co., Jamestown, N. Y.

## 3721—Destructors for Municipal Plants

Odorless Construction Co., 103 Park av (Tel. Van 4020), New York

## 3721a— Detectagraph

Boissonnault G. Co. ("Micropho"), 26 Cortlandt, New York

## Detectors (Fire)

See Alarms, Fire

## 3722— Detectors (Ground)

**GENERAL ELECTRIC CO.** (Electrostatic), Schenectady, N. Y.
*See adv index at end of book*
Steel Glass Co., 622 Locust, Phila., Pa.

## 3722a— Detectors (Marine Ice)

McNab Co. ("Frigidometers"), Bridgeport, Conn. *See adv index at end of book*

## 3723—Detectors (Water Waste)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Pitometer Co., 25 Elm, New York

## 3724—Determinators (Gas Dust)

Sargent Steam Meter Co., 1902 N Californ-820 S Tripp, Chicago, Ill.

## 3725-6-7— Detinning Plants

Metal & Thermit Corp., 120 Bway, New York; Works: East Chicago, Ind.; Wyandotte, Mich.; and Chrome, N. J.
*See adv index at end of book*
National Tin Co., 21 Park Row, New York
Vulcan Detinning Co., Sewaren, N. J.

## Detonators (Time and Electric)

See Blasting Supplies

## 3728— Devices (Tying)

Tie Co. ("Holdfast" for Clothes Lines, Corn Binders, Shock Compressors, etc), Unadilla, N. Y.

## 3729— Devulcanizers

See also Vulcanizers, Rubber
**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*
Clark Edred W., Hartford, Conn.
Farrel Foundry & Machine Co. (Roller), Ansonia, Conn.
**THROPP'S JOHN E. SONS CO.**, ft of Lewis, Trenton, N. J.
*See adv index at end of book*
Thropp Wm. R. & Sons Co., Trenton, N. J.

## 3729a— Dewaterers

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Process Co., 68 William, New York
Chalmers Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
Dorr Co., Denver, Col.
Industrial Filtration Corp., 115 B'way, New York
Mine & Smelter Supply Co., Denver, Col.
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal.

## 3730— Dextrine

Arabol Mfg. Co. (Jobbers), 100 William, New York
Behrend F. (Imp), 170 Front, New York
Bloede Victor G. Co., Caton av, Baltimore, Md.
Boley C. H. Co. ("Aamcolose"), 3722 N Randolph, Phila., Pa.
Corn Products Refining Co. (Globe), 17 Battery pl, New York
Crystal Springs Paste Co., 70 Kilby, Boston, Mass.
General Adhesive Mfg. Co., Inc. ("Dragon"), 469 Greenwich, New York
Glover Horatio N. & Son, Mattapan, Boston, Mass.
Harshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, O.
Herrick & Voigt, 68 Maiden Lane, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Klipstein A. & Co., 644 Greenwich, New York
Leyland Thos. & Co., Readville, Boston, Mass.

Morningstar, Chas. & Co., Inc. (Imp.), 349 Broadway, New York
York *See adv index at end of book*
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
National Gum & Mica Co. (Domestic or Imported), 59th & 11th av, New York
Nicol J. M. & J. S., Hawthorne, N. J.
Scheel Wm. H. (Imp), 159 Maiden la, New York
*See adv index at end of book*
Stein Hall & Mfg. Co., 111 W Wash., Chicago, Ill.
Tanner Chas. S. Co., 250 So Water, Providence, R. I.
Wiarda John C. & Co. (Jobbers), 273 Greene, Brooklyn, N. Y.
Wolf Jacques & Co. (Selling Agents), Passaic, N. J.

## 3731—Dials (Clock, Gauge, Scale, Meter, Etc.)

Arlington Works, The, (E. I. du Pont de Nemours & Co.), (Clock), Wilmington, Del.
Auburn Button Wks. (Celluloid Number Wheels), Auburn, N. Y.
Cooper Oven Thermometer Co. (Clock Thermometer, Meter, etc), Pequabuck, Conn.
D. & G. Dial & Enameling Co., Waltham, Mass.
Electro Chemical Engraving Co. (Etched Metal), 450 19th, Brooklyn, N. Y.
General Etching & Mfg. Co., 312 S Hamilton av, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Ingram-Richardson Mfg. Co., Beaver Falls, Pa. *See adv index at end of book*
Manhattan Dial Mfg. Co., 40 Lexington av, Brooklyn, N. Y.
Metallograph Corp., 1100 Brook av, New York
Newark Brass Plate Engraving Co. (Etched Metal), 52 Lawrence, Newark, N. J.
O'Hara-Waltham Dial Co., Waltham, Mass.
Premier Metal Etching Co., 14th, Long Island City, N. Y.

## 3731a— Diamedobenzol

Middlesex Aniline Co., Inc., Singer bldg., New York

## 3731b— *Diamond Tools

DIAMOND DRILL CARBON CO., 59 Park Row, New York
*See adv index at end of book*
Modern Diamond Tool Co., Marquette bldg. Detroit, Mich.

## 3731c—Diamonds for Industrial Purposes

See Also Carbon, Black Diamonds & Bortz
ACME DIAMOND TOOL CO., 12-16 John, New York *See adv index at end of book*


**ACME DIAMOND TOOL CO.**

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**for Trueing Grinding Wheels. Special Shaped Tools made to take place of Steel.**

12-16 John Street New York


Dessau Maurice S., 6 Maiden la, New York
*See adv index at end of book*


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**Importer of**
**CARBON (Black Diamonds) and BORTZ (Rough Diamonds)**
**For DIAMOND DRILLS and all Industrial Purposes and Mfr. of DIAMOND POINTED TOOLS for all Mechanical Purposes.**
**6 MAIDEN LANE NEW YORK**


DIAMOND DRILL CARBON CO., 59 Park Row, New York
Gutman Chas. (Imp), 35 Nassau, New York

## 3732— Diamonds (Glaziers')

ACME DIAMOND TOOL CO., 12-16 John, New York *See adv index at end of book*
Crafts Arthur A. (S. Dessau's Sons & Co.), 125 Summer, Boston, Mass.
Dessau D. M., 180 B'way, New York
*See adv index at end of book*
Dessau Maurice S., 6 Maiden la, New York
*See adv index at end of book*
Dickinson Thos. L., 64 Nassau, N. Y.
Dessau's S. Sons, 6 Maiden la, New York
Gutman Charles (Imp), 35 Nassau, New York
Modern Diamond Tool Co., Marquette bldg. Detroit, Mich.
Levine Abr., 14 John, New York
*See adv index at end of book*

## 3732a—*Diamonds (Rough)

ACME DIAMOND TOOL CO., 12-16 John, New York *See adv index at end of book*
DIAMOND DRILL CARBON CO. (Also Brazilian), 59 Park Row, New York
Gutman Chas. (Imp), 35 Nassau, New York

## 3733— Diaphragms (Car)

See also Diaphragms, Rubber, etc.
Goepel C. F. & Co., 137 E 13th, New York
Mulconroy Co., 54th & Jefferson, Phila., Pa.

## Diaphragms (Carbon)

See Carbon Mfrs.

## 3734— Diaphragms (Copper)

American District Steam Co., No. Tonawanda, N. Y.
U. S. Indestructible Gasket Co. (Also Metallic), Church & Fulton, New York
*See adv index at end of book*

## 3734a—Diaphragms (Monel Metal)

Suplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
*See adv index at end of book*

## Diaphragms (Pump)

See Diaphragms, Rubber

## 3735— Diaphragms (Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Empire Tire & Rubber Corp. ("Edison" & High & Low Pressure), Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co. ("Damper," "Dumps," "Eames" Vacuum Brake), 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Mercer Rubber Co., Hamilton sq, N. J.
New York Belting & Packing Co., 91 Chambers, New York
NEW YORK RUBBER CO., 323 W Randolph, Chicago, Ill., & Reade & Church, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Schacht Rubber Mfg. Co., Huntington, Ind.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av Jersey City, N. J.

## 3735a—Diaphragms (Screen, Paper Makers')

Boston Belting Corp., 84 Linden Park, Boston, Mass.

## 3735b— Diastase

Digestive Ferments Co., Detroit, Mich.
Parke Davis & Co., Detroit, Mich.

## 3736— Dibbles

Bateman Mfg. Co., Grenloch, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Johnson Wm. (Hedenberg Works), (Wood Handle & All Iron), Newark, N. J.

## 3737— Dice

Celluloid Co., 36 Washington pl, New York
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Ivoryloid Co., Inc. ("Ivoryloid," "Ace Brand"), 200 5th av, New York
Kyoto Mfg. & Trading Co., 31 E 17th, New York
Waterbury Button Corporation (Composition & Ivory), 831 S Main, Waterbury, Conn. *See adv index at end of book*

## 3737a— Dichlorbenzol

Marden Orth & Hastings Co., 136 Liberty, New York
Monsanto Chemical Works, St. Louis, Mo.
Niagara Alkali Co., Niagara Fall, N. Y.
Rollin Chemical Corp., 120 B'way, New York *See adv index at end of book*

## 3738-9— Dichlormethane

Dow Chemical Co., Midland, Mich.

## 3740— Dictographs

Dictograph Co., 220 W 42d, New York
Die Blocks, see Blocks, Die

## 3740a— Dicyandiamide

American Cyanamid Co., 511 5th av, New York

## Die Blocks

See Blocks, Die

## Die Blocks (Steel)

See Blocks, Die

## 3741—Die Blocks (Vanadium Steel)

Acme Mfg. Co., 355 Howard, Detroit, Mich.
Bethlehem Steel Co. (Crucible & Open Hearth), S Bethlehem, Pa.
Carpenter Steel Co. (Crucible & Open Hearth), Reading, Pa.
Crucible Steel Co. of America (Crucible & Open Hearth), Oliver bldg, Pittsburgh, Pa.
ELECTRIC STEEL & FORGE CO., 6600 Grand av, Cleveland, O.
*See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn st, Chicago, Ill.
The Hammond Steel Co., Inc. (Crucible & Open Hearth), Solway, N. Y.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Titusville Forge Co. ("Tico"), Titusville, Pa.
Spinks W. A. & Co., 362 W Erie, Chicago, Ill. *See adv index at end of book*
Vanadium Alloys Steel Co. (Crucible), Latrobe, Pa.

## Die Castings

See Castings, Die Cast

## 3742—Die, Jig & Fixture Work

Malm & Stahl Tool Works, 561 Washington, Chicago, Ill.
McMorran Edw. E. & Co., 126 N Union, Chicago, Ill.
Pennsylvania Tool & Mfg. Co., York, Pa.

## 3743— *Die Pressed Metal

AMERICAN BRASS CO., Waterbury, Conn.
*For branch offices see adv index at end of book*

## 3744— Die Sinkers

BLISS E. W. CO. (For Sheet Metal Work), 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Ellwood City Forge Co., Ellwood City, Pa.
Frank Aug. C., 732 Sansom, Phila., Pa.
Hart H. C. Mfg. Co., Unionville, Conn.
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
Jefferson Christ. D., 25 N 7th, Phila., Pa.
Johnson D. E. Co., 140 William, New York
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Kersting J. H., 75 Fulton, New York
Konigslow E. Stamping & Tool Works, Cleveland, O.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.

DIE SINKERS—continued

Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Mooney & Bueter, 507 W Jackson blvd, Chicago, Ill.
Ness Geo. M. Jr., 61 Fulton, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Northwestern Stamp Works, 110 E 3d, St. Paul, Minn.
Perkins Machine Co., Warren, Mass.
Pietz Adam, 1011 Chestnut, Phila., Pa.
Richard Mfg. Co., Bloomsburg, Pa.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*
Wagenfohr Chas. Sr., 140 W B'way, New York
Walter N. C. & Sons, 3 Park row, New York
Willemin Mfg. Co. Inc., 181 Eddy, Providence, R. I.

## 3745— Die Sinkers Outfits

Coates Clipper Mfg. Co. ("Portable" Electric & Hand Power), Worcester, Mass.

## Die Stocks

See Stocks & Dies; also Pipe Cutting & Threading Machines

## 3745a— *Die Stock (Shoe)

**COES, LORING & CO., INC.** (For Leather & Paper Cutting Dies), Coes sq., Worcester, Mass.
*See adv index at end of book*

## 3746— *Dies (Adjustable)

See also Dies, Adjustable Expanding

**GREENFIELD TAP & DIE CORP.** ("Little Giant," "Lightning," "Green River," "O. K." & "G. T. D." Round), Greenfield, Mass.
*See adv index at end of book*

## 3747—Dies (Adjustable Expanding)

**AMERICAN TAP & DIE CO.** ("Adamantine" & "Eagle Brand," Solid "Acme" twopiece), Greenfield, Mass.
*See adv index at end of book*
Bignall & Keeler Machine Works (For Use in "B & K" Machines Only), Edwardsville, Ill.
Borden Co., The, Warren, O.
Card S. W. Mfg. Co. (Round), Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Conant & Donelson ("Reliable"), Conway, Mass.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
**Gardam Wm. & Son, 114 Park pl, New York**
**GREENFIELD TAP & DIE CORP.** ("Little Giant" for Hand or Machine Use, "Lightning," "Green River," "O. K." & "G. T. D." Round), Greenfield, Mass.
*See adv index at end of book*
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Inland Machine Works, 17th & Locust, St. Louis, Mo.
Modern Tool Co. (Self-Opening), 300 State, Erie, Pa. *See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse") New Bedford, Mass.
Perkins Machine Co., Warren, Mass.
Pratt & Whitney Co., Hartford, Conn.
Saunders D. Sons, Yonkers, N. Y.
Standard Machinery Co., Providence, R. I.
Toledo Pipe Threading Machine Co., 1440 Summit, Toledo, O.
Winter Bros. Co. (Round), Wrentham, Mass.

## 3748—Dies (Armature-Disk Cutting)

B. J. Stamping Co., The., 1435-1437 Dorr, Toledo, O. *See adv index at end of book*
**BLISS E. W. CO., 19 Adams, B'klyn, N. Y.**
*See adv index at end of book*
Franklin Die & Tool Co., Columbus, O.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
North Side Tool Co., 17-19 Maryland av, Dayton, O. *See adv index at end of book*

## 3749— Dies (Automatic)

B. J. Stamping Co., The, 1435-1437 Dorr, Toledo, O. *See adv index at end of book*
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Columbia Metal Stamping Co., Cleveland, Ohio
Eagle Engng. Co., Springfield, O.
**Gardam Wm. & Son, 114 Park pl, New York**
**Geometric Tool Co. ("Geometric" Self-Opening & Adjustable), New Haven, Conn.**
Hartford Machine Screw Co., Hartford, Conn.
Ideal Tool & Mfg. Co., Beaver Falls, Pa.
Jones & Lamson Machine Co. ("Hartness"), Springfield, Vt.
Landis Machine Co., Waynesboro, Pa.
Meyers Willard F., Bedford, Ind.
Modern Tool Co., 300 State, Erie, Pa.
*See adv index at end of book*
Nelson Tool Co., Inc., 782 E 142d, New York
North Side Tool Co., 17-19 Maryland av, Dayton, O. *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Scott & Sons Co. (Expanding), Medford, Mass.
Standard Machinery Co., Providence, R. I.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
V. & O. Press Co., Dry Hrbr rd, Glendale Station, N. Y.

## 3750— Dies (Automobile)

Acklin Stamping Co., 1659 Dorr, Toledo, O.
*See adv index at end of book*
**B. J. STAMPING CO., THE,** 1435-1437 Dorr, Toledo, O.
*See adv index at end of book*
Franklin Die & Tool Co., Columbus, O.
**GREENFIELD TAP & DIE CORP.** ("Little Giant," "Lightning," "Green River," "O. K." & "G. T. D." Standard Threads), Greenfield, Mass.
*See adv index at end of book*
McDowell Mfg. Co., Stanton av, Pittsburgh, Pa.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.


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Self-Opening Die Heads, Adjustable, 17 sizes, threading range 1/16" to 7". For use on both turret machines and revolving spindle machines. Send for bulletin.

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**"MODERN"—**
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**"MODERN"—**
"Magic" Chuck & Collets. For quick change of small tools. Positive drive, 6 sizes, 1-5/16" to 4-1/16" outside diameter. Friction drive 5 sizes. Send for bulletin.

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**"MODERN"—**
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*California Representatives:* HERBERTS MACHINERY & SUPPLY CO., San Francisco and Los Angeles
*Sales Representatives:* France, England, Spain, Italy, Sweden, Switzerland and Japan

### 3750a— *Dies (Bakelite)

Jaxon Co., 1010-12-14 Jackson, Toledo, O.
*See adv index at end of book*

**Bakelite Dies**
THE JAXON COMPANY
Tools, Dies and Machine Work
LA FRANCE BUILDING
1010-12-14 Jackson St.
TOLEDO, OHIO.

Security Tool Works, 115 S Clinton, Chicago, Ill.

### 3750b— Dies (Bending)

**Franklin Die & Tool Co. (The) Columbus, O.**
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Nelson Tool Co., Inc., 782 E. 142d, New York

### 3751— Dies (Bell)

**See also Dies, Punching**
Cyclops Foundry Co., Union Bank bldg, Pittsburgh, Pa.
Pittsburgh Iron & Steel Foundries Co., Midland, Pa.

### 3751a— *Dies (Bit Brace)

**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

### 3752— Dies (Blacksmiths')

Am. Die & Tool Co., Reading, Pa.
**Champion Blower & Forge Co., Lancaster, Pa.**

### 3753— Dies (Blanking)

**See also Dies, Punching**
B. J. Stamping Co., The, 1435-1437 Dorr, Toledo, O. *See adv index at end of book*
**BLISS E. W. CO.** (For Sheet Metal), 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
California Tool Works, 181 Beale, San Francisco, Cal.
Eagle Engineering Co., Springfield, O.
Franklin Die & Tool Co., Columbus, O.
**GASKET SUPPLY CO.** (For all kinds of Sheet Metal Work), 1927 Ludlow, Phila., Pa. *See adv index at end of book*
General Machine & Mfg. Co., Bridgeport, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jaxon Co., 1010-12-14 Jackson, Toledo, O.
*See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
Mehl Mach. Tool & Die Co., Roselle, N. J.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Nelson Tool Co., Inc., 782 E 142d, New York
Newman Tool Co., 241 Centre, New York
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
North Side Tool Co., 17-19 Maryland av, Dayton, O. *See adv index at end of book*
Potter, S. A., Tool & Machine Works, 79 E 130th, New York

### 3754— Dies (Bolt Cutter)

**Pratt & Whitney Co. ("Grant"), Hartford, Conn.**

### 3755—Dies (Bolt Threading, Solid, Etc.)

**AMERICAN TAP & DIE CO.** ("Eagle Brand," Solid Square), Greenfield, Mass. *See adv index at end of book*
Armstrong Mfg. Co. ("Armstrong," Adjustable Bolt Threading), 278 Knowlton, Bridgeport, Conn.
Bay State Tap & Die Co. ("Bay State" Machine or Solid Bolt), Mansfield, Mass.
Bignall & Keeler Machine Works (For Use in "B & K" Machines Only), Edwardsville, Ill.
**BLANCKE A. C. & CO.** (High Speed & Carbon), 116 S Michigan av, Chicago, Ill.
**Brown H. B. Co., East Hampton, Conn.**
**Brubaker W. L. & Bros. (Solid), Millersburg, Pa.**
**Card S. W. Mfg. Co. (Machine or Solid), Mansfield, Mass.**
**Carpenter J. M. Tap & Die Co. (Solid** Boynton & Plummer), Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP'N** ("Little Giant," "Lightning," "Green River," "O., K." "G. T. D." Round, Solid, Square & Hexagon), Greenfield, Mass. *See adv index at end of book*
**Landis Machine Co., Waynesboro, Pa.**
Morse Twist Drill & Machine Co. ("Morse"), **Bedford, Mass.**
Polk A. J. & Son Co., Millersburg, Pa.
**Reed Mfg. Co., Erie, Pa.**
Standard Tool Co., 6700 Central av, Cleveland, O.
**Webster & Perks Tool Co., Springfield, O.**
**Winter Bros. Co. ("Thistle"), Wrentham, Mass.**

### 3756— Dies (Box Printing)

American Name Plate Co., 352 Atlantic av, Boston, Mass.
**Becker August Engraving Co., 247 Atlantic av, Boston, Mass.**
**BORGSTROM G. J., 118 S Clinton, Chicago, Ill.**
Dickey-Grabler Wks., W Madison & 103rd, Cleveland, O.
**Fries Anthony J., 717 Sycamore, Cincinnati, Ohio**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Koehler Henry L. Mfg. Co., Louisville, Ky.**
Matthews James H. & Co. (Brass & Rubber), 3942 Forbes, Pittsburgh, Pa.
**Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.**
**Moise-Klinkner Co., 369 Market, San Francisco, Cal.**
**Mooney & Bueter, 507 W Jackson blvd, Chicago, Ill.**
**Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.**
**Northwestern Stamp Works, 110 E 3rd, St. Paul, Minn.**
**Schridde Wm., 358 W Madison, Chicago, Ill.**
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
**Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.**

### 3757—Dies (Brick & Clay Workers')

American Clay Machinery Co., S. Walnut, Bucyrus, O. *See adv index at end of book*
**Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.**
Louisville Machine Mfg. Co., Louisville, O.
**Mueller Machine Co., Trenton, N. J.**
**Sharp Mfg. & Supply Co., New Phila, O.**
**Steele J. C. & Sons, Statesville, N. C.**
**Stevenson Co., Wellsville, O.**

### 3758— Dies (Button)

Defiance Button Machine Co., 43 W 24th, New York
**Markels Leonard, 165 William, New York**
Nelson Tool Co., Inc., 782 E 142d, New York. *See adv index at end of book*
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

### 3759— Dies (Can Makers')

Adriance Machy. Works, 80 Richards, Brooklyn, N. Y.
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**Ayars Machine Co., Salem, N. J.**
**BLISS E. W. CO.** (For Sheet Metal), 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
**Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.**
**Lees John, Indianapolis, Ind.**
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
**McCall Machine Works, Rochester, N. Y.**
**Matthews James H. & Co. (Semi-Automatic), 3942 Forbes, Pittsburgh, Pa.**
**Nelson Tool Co., Inc., 782 E 142d, New York**
**Ranz Stamping Tool Co., 1509 N Broadway, St. Louis, Mo.**
**Seattle-Astoria Iron Works, Seattle, Wash.**
**Stecher Chas. Co., 1580 Crossing, Chicago, Ill.**
**Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.**
**Wold, Torris & Co., 240 N Ashland av, Chicago, Ill.**
Wright Traffic Signal Co., 844 W 6th, Cincinnati, O.

### 3760—Dies (Chilled Hammer)

**American Brake Shoe & Foundry Co.** (Steel), 30 Church, New York
**Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.**
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**Marchant Geo. F. Co., 1420 S Rockwell, Chicago, Ill.**
Philadelphia Roll & Machine Co. (Cast Iron), 25th & Washington av, Philadelphia, Pa.

### 3760a—Dies (Chilled Iron)

Philadelphia Roll & Machine Co., 25th & Washington av, Philadelphia, Pa.

### 3760b— *Dies (Collapsible)

Herbert, Alfred Ltd., 54 Dey, New York
*See adv index at end of book*

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### 3761—Dies (Compression Rivet)

**Marchant Geo. F. Co., 1420 S Rockwell, Chicago, Ill.**

### 3762— Dies (Corrugated)

**Independent Die Co., Brockton, Mass.**

### 3763— Dies (Cutting)

**Adams John J. (For Leather, Cloth, Rubber, Paper, etc), Worcester, Mass.**
**Adriance Machine Works, 80 Richards, Brooklyn, N. Y.**
Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
Ainslie Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
Am. Die & Tool Co., Reading, Pa.
Anderson Tool Co., Elyria, O.
Atcheson Tool & Die Co., Columbus, O.
**Baird Machine Co., Bridgeport, Conn.**
**Barrett Bros., 43 Haverhill, Boston, Mass.**
**Baxendale, Whittlesey & Cummings, Rochester, N. Y.**
Beaudry T. J. & Son, Marlboro, Mass.
**Bender Ph. J. & Sons, 87 Frankfort, New York**
B. J. Stamping Co., The, 1435-1437 Dorr, Toledo, O. *See adv index at end of book*
**BLISS E. W. CO.** (For Sheet Metal), 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Brockton Die Co., Brockton, Mass.
Butterfield & Co., Derby Line, Va.
Callaghan Machine & Die Co., Canton, O.
**Carpenter L. A., Press Metal Co. Cambridge, Mass.**
Central Tool & Die Co., Dayton, O.
City Machine & Tool Wks., Dayton, O.
Columbia Metal Stamping Co., Cleveland, Ohio
**Cook H. C. Co., 100-120 Jewett, Ansonia, Conn.**
**Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.**
Crown Die & Tool Co., 553 W Monroe, Chicago, Ill.
Dayton Machine Products Co., Dayton, O.
Dayton Reliance Tool & Mfg. Co., Dayton, Ohio
Dayton Stamping & Tool Co., Dayton, O.
Dayton Tool Co., Dayton, Ohio.
Detroit Metal Spinning Co., 197 Monroe av, Detroit, Mich.
Dewes John-Gumbs Die Co. (For Paper, Envelopes, Shirts, Pocketbooks, Fabrics, etc), 403 Broome, New York

DIES (CUTTING)—continued
Eagle Engineering Co., Springfield, O.
Ferracute Machine Co. (Sheet Metal), Bridgeton, N. J.
Franklin Die & Tool Co., Columbus, O.
**GASKET SUPPLY CO.** (For Leather, Cloth, Rubber, Paper, etc), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
Geiras Mfg. Co., 4173 156th, New York
**GEM MFG. CO.** (For Flat & Drawn Work in Steel & Brass), Goebel near Fulton N S, Pittsburgh, Pa.
*See adv index at end of book*

DIES (CUTTING)
GEM GUARANTEE GOOD
For Flat and Drawn Work in Steel and Brass.
GEM MFG. CO., Pittsburgh, Pa.

Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Griswold George M. Machine Co., New Haven, Conn.
**Harry Bros. Mfg. Co., 282 Woodbridge, E** Detroit, Mich.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Hibbard W. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Beach Mfg. Co., Little Bldg., Boston, Mass.
Hoggson & Pettis Mfg. Co. (Paper, Cloth & Rubber), New Haven, Conn.
Independent Die Co. (For Leather, Cloth, Paper, Rubber, etc), Brockton, Mass.
Indianapolis Tool & Mfg. Co., Indianapolis, Ind.
Inland Machine Works, 17th & Locust, St. Louis, Mo.
Johns Engineering Co., 625 Champlain av, Cleveland, O.
*See adv index at end of book*
John's Stamping & Machine Works Co., 1715 Leonard, Cleveland, O.
Knox J. E. & Co., Lynn, Mass.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Lees John, Indianapolis, Ind.
**LIDSEEN GUSTAVE,** 832-840 So Central av, Chicago, I..
*See adv index at end of book*
Loyd Jno. Co., 124 Baxter, New York
Long Adam A. Machine Works, Rochester, N. Y.
Loshbough-Jordan Tool & Machine Co., Elkhart, Ind.
Loy & Nawrath Co., 25 Runyon, Newark, N. J.
McCulloch A. P. Machine Co., 216 High, Boston, Mass.
McMorran Edw. E & Co., 126 N Union, Chicago, Ill.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Mehl Machine Tool & Die Co. (Paper, Cloths & Rubber), Roselle, N. J.
Michigan Pressed Steel Co., 229 Artillery, Detroit, Mich.
Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.
Modern Pattern Co., 150 Clinton, Milwaukee, Wis.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Monarch Engineering Co., 230 E First, Dayton, O.
Moore Eastwood Co., 116 E 4th, Dayton, O.
National Acme Co. ("Namco"), 7500 Stanton av S E, Cleveland, O.
Nelson Blower Furnace Co., L. & Elkins, Boston, Mass.
Nelson Tool Co., Inc., 782 E 142nd, New York
Nestor Mfg. Co., 40 W 13th, New York
Newman Manufacturing Co., 542 W Jackson, Chicago, Ill.
*See adv index at end of book*
New York Die-White-Schroeder Co., 245 Center, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
North Side Tool Co., 17-19 Maryland av Dayton, O. *See adv index at end of book*
Nye Tool & Machine Works, 108 N Jefferson, Chicago, Ill.
Osborne C. S. & Co. (For Cloth, Leather & Paper), Box 183, Newark, N. J.
*See adv index at end of book*
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Peerless Machinery Co., 166 N Clinton, Chicago, Ill. *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Phila. Cons. Die Co., 327 Race, Phila, Pa.
Pratt & Whitney Co., Hartford, Conn.
**QUADRIGA MFG. & SPECIALTY CO.,** 218 W Grand av, Chicago, Ill.
*See adv index at end of book*
Randall J. D. Co. (Leather Cutting), 610 W Court, Cincinnati, O.
Randenburg, Ernest, 208 E 27th, New York
*See adv index at end of book*

HIGH CLASS DIE MAKERS
Tools, Dies, Jigs, Models, Experimental work, Special Machines manufactured. Stamping. Drawings made and designs and plans developed. Practical machinist and mechanical engineer.
ERNEST RANDENBURG, M. E.
208 E. 27th St. NEW YORK

Ranz Stamping Tool Co., 1509 N Broadway, St. Louis, Mo.
Richard Mfg. Co., Bloomsburg, Pa.
Rochester Cutting Die Co., Rochester, N. Y.
Rock River Machine Co., Janesville, Wis.
Ross-Moyer Mfg. Co., Cincinnati, O.
S-P Manufacturing Co., 872 E 72nd, Cleveland, O.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Schlueter A. & Co., 297 Washington, Newark, N. J.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Standard Machinery Co., Providence, R. I.
Standard Tool Co., 6700 Central av, Cleveland, O.
Steel Products Engineering Co., Springfield, O.
Stoll D. H. Co., Buffalo, N. Y.,
Stortz John & Son, 210 Vine, Phila., Pa.
Superior Die Tool & Machine Co., Columbus, O.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
Twin-O-Matic Machine & Tool Co., Inc., 160 John, Brooklyn, N. Y.
*See adv index at end of book*
Universal Machine & Tool Co., Canton, O.
U. S. Tool Co., 3160 W 106th, Cleveland, O.
Utility Tool & Die Co., 2941 Monroe, Dayton, O.
Van Pelt Geo. H. (for Leather), 440 W Huron, Chicago, Ill.
Verdin Kappes & Verdin Co., Cincinnati, Ohio
V. & O. Press Co., Dry Hrbr. rd, Glendale Station, N. Y.
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
Willemin Mfg. Co. Inc., 181 Eddy, Providence, R. I.
Wisconsin Metal Products Co., Racine, Wis.
Wootten & Peckworth, 1122 Hamilton, Phila., Pa.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, Ohio
Zeidler, William A., Co., 182 Locust av, New York

## Dies (Diamond)

See Dies Wire Drawing

When writing to firms whose names appear in this book please mention
HENDRICKS' COMMERCIAL REGISTER.

## 3764— Dies (Die Castings)

Jaxon Co., 1010-12-14 Jackson, Toledo, O.
*See adv index at end of book*

DIE CASTING DIES
THE JAXON COMPANY
Tools, Dies and Machine Work
LA FRANCE BUILDING
1010-12-14 Jackson St.
TOLEDO, OHIO.

Kramer H. & Co., 1324 W 21st, Chicago, Ill.
Marf Machine & Die Casting Co., Inc., 17 Vanderwater, New York

## 3765— Dies (Drawing)

Bauroth E. F., Toledo, O.
B. J. Stamping Co., The, 1435-1437 Dorr, Toledo, O. *See adv index at end of book*
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Bowen, G. F. Machine Co., Inc., 24 Scott, Newark, N. J.
Columbia Metal Stamping Co., Cleveland, Ohio
Columbus Die, Tool & Machine Co. (For Lamp Work, etc), 955 Cleveland av, Columbus, O.
Franklin Die & Tool Co., Columbus, O.
Freeman F. W., Co., 160 Portland, Boston, Mass.
**JAXON CO.,** 1010-12-14 Jackson, Toledo, O.
*See adv index at end of book*
Lansing Stamping & Tool Co., Lansing, Mich.
Lees John, Indianapolis, Ind.
Lindell Die & Tool Co., Lansing, Mich.
Long Adam A., Rochester, N. Y.
McDowell Mfg. Co., Stanton av, Pittsburgh, Pa.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Nelson Blower & Furnace Co., L & Elkins, Boston, Mass.
Nelson Tool Co., Inc., 782 E 142nd, New York
North Side Tool Co., 17-19 Maryland av, Dayton, O. *See adv index at end of book*
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Stein Wm. P. & Co., Rochester, N. Y.
Thatcher-Rueter Mfg. Co., Cleveland, O.
Wade Machine Co., 817 Albany, Boston, Mass.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, Ohio

## 3766—Dies (Drawing, Triple Action)

**BLISS E. W. CO.,** 19 Adams, B'klyn, N. Y.
*See adv index at end of book*
Willemin Mfg. Co. Inc., 181 Eddy, Providence, R. I.

## 3767— Dies (Drop Forging)

Champion Machine & Forging Co, 3690 E 78th, Cleveland, O.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Hartford Drop Forge Co., Hartford, Conn.
Hoeft & Co., 1600 W Kinzie, Chicago, Ill.
Hollander & Johnson, Worcester, Mass.
Keller Mechanical Engraving Co., 70 Washington, Brooklyn, N. Y.
**KNAPP ARTHUR, ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
Lindell Die & Tool Co., Lansing, Mich.

## 3768—Dies (Electro-Plating)

**Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.**

## 3769— Dies (Embossing)

American Name Plate Co., 352 Atlantic av, Boston, Mass.
Becker August Engraving Co., 247 Atlantic av, Boston, Mass.
Columbia Metal Stamping Co., Cleveland, Ohio
Dickey-Grabler Works., West Madison & 103rd, Cleveland, O.
**GASKET SUPPLY CO.**, 1927 Ludlow, Philadelphia, Pa.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hibbard W. H. Mfg. Co., 79 Wash, Brooklyn, N. Y.
Kersting J. H., 75 Fulton, New York
**KNAPP ARTHUR, ENGINEERING CORP.**, 19 W 44th, New York
*See adv index at end of book*
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Leffler Chas & Co., 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
Matthews James H. & Co., 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Nelson Tool Co., Inc., 782 E 142d, New York
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y.
*See adv index at end of book*
Northwestern Stamp Works, 110 E 3d, St. Paul, Minn.
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Ringler F. A. Co. (Leather), 207 W 25th, New York
Schoder & Lombard Stamps & Dies Co., 202 Centre, New York
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Standard Machinery Co., Providence, R. I.
Stein Wm. P. & Co., Rochester, N. Y.
Stuppmann C. & Co., W Hoboken, N. J.
Superior Die Tool & Machine Co., Columbus, O.
Swaine F. J Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Taylor-Shantz Co., Rochester, N. Y.
Wiggins John B. Co., 1104 S Wabash av, Chicago, Ill.

## 3770-1-2—Dies for Crushing Machinery

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Standard Steel Works Co., Morris bldg, Phila., Pa.

## Dies (Forming)

See Dies, Stamping

## 3773-4—*Dies (Gas Fixture)

**AMERICAN TAP & DIE CO.** (Taps & Dies), Greenfield, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## Dies (Glove Cutting)

See Glove Machinery

## 3775— Dies (Jewelers)

Crucible Steel Co. of Amer., Oliver bldg, Pittsburgh, Pa.

## 3776—*Dies (Machine or Solid Bolt)

**GREENFIELD TAP & DIE CORP.** ("Little Giant," "Lightning," "Green River," "O. K" & "G. T. D."), Greenfield, Mass. *See adv index at end of book*

## 3776a— *Dies (Metric)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## 3777— Dies (Notching)

Columbus Die, Tool & Machine Co., 955 Cleveland av, Columbus, O.
Nelson Tool Co., Inc., 782 E 142d, New York
Rock River Machine Co., Janesville, Wis.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

## 3778— Dies (Opening)

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Errington F. A. (Automatic), 39 Cortlandt, New York.
Geometric Tool Co. ("Geometric" Self-Opening), New Haven, Conn.
Jones & Lamson Machine Co. ("Hartness" Automatic), Springfield, Vt.
Modern Tool Co. ("Modern" Adjustable), 300 State, Erie, Pa.
*See adv index at end of book*
National Acme Co. ("Namco"), 7500 Stanton av S E, Cleveland, O.
National Machinery Co., Tiffin, O.
Perkins Machine Co., Warren, Mass.
Pratt & Whitney Co., Hartford, Conn.
Russell Mfg. Co., Greenfield, Mass.
Stoll D. H. Co., Buffalo, N. Y.

## Dies (Piercing)

See Dies, Punching

## 3779—Dies (Pipe Threading)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Armstrong Mfg. Co. ("Armstrong"), 278 Knowlton, Bridgeport, Conn.
Ashcroft Mfg. Co., 119 W 40th, New York
Bignall & Keeler Machine Works (For Use in "B & K" Machines Only), Edwardsville, Ill.
Borden Co., The ("Beaver"), Warren, Ohio
Brubaker W. L. & Bros. (Solid Gas Pipe), Millersburg, Pa.
Card S. W. Mfg. Co. ("Smith," Adjustable, etc), Mansfield, Mass.
Carpenter J. M., Tap & Die Co., Pawtucket, R. I.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crown Die & Tool Co., 553 W Monroe, Chicago, Ill.
Curtis & Curtis Co., Bridgeport, Conn.
**GREENFIELD TAP & DIE CORP.** ("G. T. D.", "Little Giant", "O. K." Round), Greenfield, Mass.
*See adv index at end of book*
Handy Mfg. Co., Bridgeport, Conn.
Hart Mfg. Co. ("Duplex," "Buckeye"), Cleveland, O.
Landis Machine Co., Waynesboro, Pa.
Morse Twist Drill & Machine Co. ("Morse," Solid), New Bedford, Mass.
Murchey Machine & Tool Co., 85 Porter, Detroit, Mich.
National Pipe Die & Machine Co. ("Three-In-One"), Archbold, O.
Nye Tool & Machine Works ("Nye"), 108 N Jefferson, Chicago, Ill.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Reed Mfg. Co. ("Armstrong Pattern"), Erie, Pa.
Saunders D. Sons, Yonkers, N. Y.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Toledo Pipe Threading Machine Co. ("Toledo"), 1440 Summit, Toledo, O.
Walworth Mfg. Co. ("Hill's"), Boston, Mass.
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

## 3780— Dies (Porcelain)

Crossley Machine Co., State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
Kuhn & Jacob Machine & Tool Co., Trenton, N. J.
Logan Edw. Machine Co., Trenton, N. J.
Mueller Mach. Co., Trenton, N. J.
Mycock Machine Works, Trenton, N. J.

## 3781— Dies (Pottery)

Ivens Wm. H. Sons Co. ("Ivens"), P. O. Box 647, Trenton, N. J.

## Dies (Press)

See Dies, Punching

## 3782— Dies (Punching)

Adriance Machine Works, 80 Richards Brooklyn, N. Y.
Ainslie Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
Am. Can. Co., 104 S Michigan av, Chicago, Ill. *See adv index at end of book*
American Die & Tool Co., Reading, Pa.
American Metal Works, Stenton & Rockland, Gtn., Phila, Pa.
**AMS MAX MACHINE CO.** ("Ams" For Can Makers), 101 Park av, New York
Anderson Tool Co., Elyria, O.
Atcheson Tool & Die Co., Columbus, Ohio
Badger State Machine Co., Janesville, Wis.
Baird Machine Co., Bridgeport, Conn.
Bauroth E. F., Toledo, O.
Bettcher Stamping & Mfg. Co., 120 Cark av, S W, Cleveland, O.
*See adv index at end of book*
B. J. Stamping Co., The, 1435-1437 Dorr, Toledo, O. *See adv index at end of book*
Bliss A. H. & Co., No. Attleboro, Mass.
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Bowen G. F. Machine Co., Inc., 24 Scott, Newark, N. J.
California Tool Works, 181 Beale, San Francisco, Cal.
Callaghan Machine & Die Co., Canton, O.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Carpenter L. A. Press Metal Co., Cambridge, Mass.
Central Tool & Die Co., Dayton, O.
Christe-Kline Forge & Machine Co., 453 Guon, Detroit, Mich.
City Mach. & Tool Wks., Dayton, O.
Clegg Mfg. & Tool Co., Attleboro, Mass.
Cleveland Metal Stamping Co., Cleveland, Ohio
Cleveland National Machine Co., 1366 W 70th, Cleveland, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Columbia Metal Stamping Co., Cleveland, Ohio
Columbus Die, Tool & Machine Co., 955 Cleveland av, Columbus, O.
Cook H. C. Co., 100-120 Jewett, Ansonia, Conn.
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Dayton Stamping & Tool Co., Dayton, O.
Delaware Tool Co., Wilmington, Del.
Detroit Metal Spinning Co., 197 Monroe av, Detroit, Mich.
Dickey-Grabler Wks, W Madison & 103rd, Cleveland, Ohio
Duncan Co., The, 508 Water, Toledo, O.
Eagle Engineering Co., Springfield, O.
Franklin Die & Tool Co., Columbus, O.
Freeman F. W. Co., 160 Portland, Boston, Mass.
**GASKET SUPPLY CO.**, 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Gem City Mach. Co., Dayton, O.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Gooley & Edlund, Cortland, N. Y.
**GRAND RAPIDS BRASS BED CO.** (For Sheet Metal), Grand Rapids, Mich.
*See adv index at end of book*
Gray Iron Foundry Co., Reading, Pa.
Great Lakes Pressed Steel Corp., 1400 Niagara, Buffalo, N. Y.
Hammond Steel Co., Inc. (Forged), Solvay, N. Y.
Hanson Tool & Die Co., 1330 12th, Detroit, Mich.
Harry Bros. Mfg. Co., 282 Woodbridge, E. Detroit, Mich.
Hatheway Mfg. Co., Bridgeport, Conn.
Herron Mfg. Wks., Div. of the Bossick Co. (Bridgeport, Conn.), jigs & fixtures, dies, gages & special machinery, Utica, N. Y.
Hibbard W. H. Mfg. Co., 79 Wash., Brooklyn, N. Y.
Hoeft & Co., 1600 W Kinzie, Chicago, Ill.
Inland Machine Works, 17th & Locust, St. Louis, Mo.
**JAXON CO.**, 1010-12-14 Jackson, Toledo, O.
*See adv index at end of book*
Johns Engineering Co., 625 Champlain av, Cleveland, O.
*See adv index at end of book*
John's Stamping & Machine Works Co., 1715 Leonard, Cleveland, O.

DIES (PUNCHING)—continued
Keller Pneumatic Tool Co., Fond du Lac, Wis.
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Lake Erie Forge Machine Co. (Forged), Cleveland, O.
Lees John, Indianapolis, Ind.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
Leonard Machy & Tool Co., Inc., 609 S Paulina, Chicago, Ill.
Lindell Die & Tool Co., Lansing, Mich.
Long Adam A., Rochester, N. Y.
Loshbough-Jordan Tool & Machine Co. 159 E Marion, Elkhart, Ind.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill. *See adv index at end of book*
McCall Machine Works, Rochester, N. Y.
McCulloch A. P. Machine Co., 216 High, Boston, Mass.
Machine Mfg. & Engineering Co., Council Bluffs, Ia.
Mailometer Co., 1093 Jefferson av, E, Detroit, Mich.
Marite J. & Sons, 23 Kane, Buffalo, N. Y.
Miami Engineering Co., Dayton, Ohio
Michigan Pressed Steel Co., 229 Artillery, Detroit, Mich.
Milford Tool & Engng. Co., Milford, Conn.
Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
*See adv index at end of book*
Monarch Engng. Co., 230 E 1st, Dayton, O.
Mossberg Frank Co. (For Metal work), Attleboro, Mass.
Nelson Tool Co., Inc., 782 E 142nd, New York
Nestor Mfg. Co., 40 W 13th, New York
Newman Manufacturing Co., 542 W Jackson, Chicago, Ill.
*See adv index at end of book*
Newman Tool Co., 241 Centre, New York
New Process Specialty Co., 230 Hanover, Milwaukee, Wis.
Niagara Falls Metal Stamping Works Niagara Falls, N. Y.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
**NORTH SIDE TOOL CO.,** 17 Maryland av, Dayton, O. *See adv index at end of book*
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Perkins Machine Co., Warren, Mass.
Pittsburgh Iron & Steel Foundries Co. ("Adammite"), Midland, Pa.
Pollard Engineering Co., 169 N Jefferson, Chicago, Ill.
Potter, S. A. Tool & Machine Works, 79 E 130th, New York
Pratt & Whitney Co., Hartford, Conn.
**QUADRIGA MFG. & SPECIALTY CO.,** 218 W Grand av, Chicago, Ill.
*See adv index at end of book*
Ranz Stamping Tool Co., 1509 N B'way, St. Louis, Mo.
Richards I. P. Co.,, 23 Pemberton, Providence, R. I.
Roberts Tool Co., Irvington, N. J.
**ROBINSON TOOL WORKS, INC.,** Waterbury, Conn. *See adv index at end of book*
Rock River Machine Co., Janesville, Wis.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
Saunders Co., 1700 Brooklyn av, Kansas City, Mo.
Sheffield Machine & Tool Co., Dayton, O.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Smith Thos. Co., Worcester, Mass.
Standard Die & Stamping Co., Arrott Power bldg, Pittsburgh, Pa.
Stein Wm. P. & Co., Rochester, N. Y.
Stoll D. H. Co., Buffalo, N. Y.
Superior Die Tool & Machine Co., Columbus, O.
Superior Metal Products Co., Elyria, O.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Taylor-Shantz Co., Rochester, N. Y.
Thatcher-Reuter Mfg. Co., Cleveland, O.
Thomson Mach. Co., Canton, O.
Toledo Tap & Die Co., Clinton, Toledo, O.
Ulmer J. C. Co., 1791 E 38th, Cleveland, O.
Up-to-Date Tool Co., 81 Wareham, Boston, Mass.
*See adv index at end of book*
V. & O. Press Co., Dry Hrbr. rd, Glendale Station, N. Y.
Verdin, Kappes & Verdin Co., Cincinnati, O.
Victory Mfg. Co., York, Pa.
Vulcan Tool Co., 418 E. 1st, Dayton, O.
Walker Bros., Syracuse, N. Y.
Weiss L. T., 286 Taaffe pl., Brooklyn, N. Y.
Western Mach. Products Co., E 73rd & St. Claire, Cleveland, O.
Willemin Mfg. Co. Inc., 181 Eddy, Providence, R. I.
Winkelman Louis & Co., 213 Lawrence, Cincinnati, O.
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.
Wright Traffic Signal Co., 844 West 6th, Cincinnati, Ohio
Zeidler, William A., Co., 182 Locust av, New York

## 3783— Dies (Ring)

Duncan Co., The, Toledo, O.
Lake Erie Forge & Machine Co. (Forged), Cleveland, O.
Railway Steel Springs Co., 30 Church, New York

## 3784-5—*Dies (Round, Adjustable)

**GREENFIELD TAP & DIE CORP'N.** ("G. T. D." for Bolt & Pipe), Greenfield, Mass. *See adv index at end of book*

## Dies (Round Blanking)

See Dies, Cutting; also Dies, Stamping

## 3786—Dies (Round Corner Card Cutting)

Ranz Stamping Tool Co., 1509 N B'way, St. Louis, Mo.

## 3787—Dies (Rubber)

Adams John J. (Cutting), Worcester, Mass.
Adamson Machine Co., Akron, O.
*See adv index at end of book*
Barbour Bros. (Cutting), Trenton, N. J.
Beaudry T. J. & Son (Cutting), Marlboro, Mass.
Bridgewater Machine Co., Akron, O.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Knox J. E. & Co. (Cutting), Lynn, Mass.
Logan Edw. Machine Co., Trenton, N. J.
Loshbough-Jordan Tool & Machine Co. 159 E Marion, Elkhart, Ind.
Mahlow & Wyckoff, Trenton, N. J.
Nelson Tool Co., Inc., 782 E 142d, New York
Phila. Cons. Die Co., 327 Race, Phila., Pa.

## 3788— Dies (Sack Printing)

Northwestern Stamp Works, 110 E 3rd, St. Paul, Minn.

## 3789—Dies (Sand Belt Splicing)

Mattison C. Machine Works, Rockford, Ill.

## 3790— Dies (Screw Cutting)

See also Screw Plates

Acme Die & Stamping Co., McKees Rocks, Pa.
Bay State Tap & Die Co. ("Bay State"), Mansfield, Mass.
Borden Co., The, Warren, O.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Cleveland Die & Mfg. Co. (Or Thread Rolling), 744 E 82nd, Cleveland, O.
Geometric Tool Co. ("Geometric," Self-Opening & Adjustable), New Haven, Conn.
**GREENFIELD TAP & DIE CORP'N** ("Little Giant," "Lightning," "Green River," "O. K." & "G. T. D."), Greenfield, Mass. *See adv index at end of book*
Hart Mfg. Co. ("Duplex," "Buckeye"), Cleveland, O.
Ideal Tool & Mfg. Co. ("Ideal" Self-opener), Beaver Falls, Pa.
Landis Machine Co., Waynesboro, Pa.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Acme Co. ("Namco"), 7500 Stanton av, S E, Cleveland, O.
National Acme Mfg. Co., 23 S Jefferson, Chicago, Ill.
Pratt & Whitney Co. ("Woodbridge"), Hartford, Conn.
Standard Tool Co., 6700 Central av, Cleveland, O.
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

## 3791— Dies (Self-Opening)

See also Dies, Opening

Allen Chas. G. Co. ("Diamond"), Barre, Mass.
Hannifin Mfg. Co. ("Hannifin"), 621 S Kolmar av, Chicago, Ill.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Ideal Tool & Mfg. Co., Beaver Falls, Pa.
Modern Tool Co. ("Modern," "Adjustable"), 300 State, Erie, Pa.
*See adv index at end of book*
Murchey Machine & Tool Co. ("Murchey," "Automatic"), 85 Porter, Detroit, Mich.
National Acme Co. ("Namco"), 7500 Stanton av, S E, Cleveland, O.

## 3792-3— Dies (Sewer Pipe)

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Sharp Mfg. & Supply Co., New Phila., O.

## Dies (Sheet Metal Working)

See Dies, Stamping

## 3794— Dies (Soap)

Fries Anthony J., 717 Sycamore, Cincinnati, O.
Houchin-Aiken Co., 113 53d, Brooklyn, N.Y.
Mooney & Bueter, 507 W Jackson blvd, Chicago, Ill.
Schridde Wm., 358 W Madison, Chicago, Ill.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

## 3795-6— Dies (Solid)

Card S. W. Mfg. Co. (Machine or Bolt & Square Pipe), Mansfield, Mass.
Crane Co., Bridgeport, Conn.
Crown Die & Tool Co. ("Crown"), 553 W Monroe, Chicago, Ill.
**GREENFIELD TAP & DIE CORPN.** ("G. T. D." Round, Square & Hexagon for Bolt & Pipe), Greenfield, Mass.
*See adv index at end of book*
Modern Tool Co. (Adjustable), 300 State, Erie, Pa. *See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), For Boynton & Plummer's Bolt Cutters & for Pipe), New Bedford, Mass.
Pratt & Whitney Co. ("Giant" Adjustable), Hartford, Conn.
Standard Tool Co., 6700 Central av, Cleveland, O.

## Dies (Solid Bolt)

See Dies, Bolts, Threading

## 3797— *Dies (Solid Hexagon)

**GREENFIELD TAP & DIE CORPN.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## 3798—Dies (Spring or Prong)

Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORPN.** ("G. T. D." & "Acorn"), Greenfield, Mass. *See adv index at end of book*
National Acme Co. ("Namco"), 7500 Stanton av, S E, Cleveland, O.
Standard Tool Co., 6700 Central av, Cleveland, O.

## 3799— Dies (Stamping)

Acme Engineering & Mfg. Co., 355 Union Park ct, Chicago, Ill.
*See adv index at end of book*
Acme Mfg. Co., 355 Howard, Detroit, Mich.
Acme Tool & Die Co., Syracuse, N. Y.
**ACTIVE SPINNING & SHEET METAL WORKS,** 56 W Kinzie, Chicago, Ill.
*See adv index at end of book*
Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Advance Tool Works, 2304 Warren av, Chicago, Ill.
Ainslie Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
*See adv index at end of book*

**AMERICAN CAN CO. (Machy. Dept.), Monroe bldg, Chicago, Ill.**
*See adv index at end of book*
American Metal Works, Stenton & Rockland, Gtn., Phila, Pa.
**Anderson Machine & Foundry Co., Anderson, S. C.**
Anderson Tool Co., Elyria, O.
Atcheson Tool & Die Co., Columbus, O.
Auto Plating & Mfg. Co., Cleveland, O.
**Baird Machine Co., Bridgeport, Conn.**
Bauroth E. F., Toledo, O.
**B. J. STAMPING CO., THE,** 1435-1437 Dorr, Toledo, O.
*See adv index at end of book*
**Bender Ph. J. & Sons, 87 Frankfort, New York**
Bettcher Stamping & Mfg. Co., 6120 Clark av, S W, Cleveland, O.
*See adv index at end of book*
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Bowen G. F. Machine Co., Inc., 24 Scott, Newark, N. J.
**Brown F. S. & G. L. Machine Co., 26 E**
California Tool Works, 181 Beale, San Francisco, Cal.
**Fort av, Baltimore, Md.**
**Callaghan Machine & Die Co., Canton, O.**
**Canton Foundry & Machine Co. (For Sheet Metal), Canton, O.**
Carpenter L. A. Press Metal Co., **Cambridge, Mass.**
**Cassaday Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.**
**Central Tool & Die Co., Dayton, O.**
**City Machine & Tool Wks., Dayton, O.**
**Cleveland Metal Stamping Co., Cleveland, Ohio**
**Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E Cleveland, O.**
**Columbia Metal Stamping Co., Cleveland, O.**
**Columbus Die, Tool & Machine Co., 955 Cleveland av, Columbus, O.**
Continental Machine Works, Oakland, Cal.
**Cook H. C. Co., 100-120 Jewett, Ansonia, Conn.**
**Crescent Novelty Mfg. Co., 708 S B'way, St. Louis, Mo.**
**Dayton Mach. Products Co., Dayton, O.**
Delaware Tool Co., Wilmington, Del.
**Detroit Metal Spinning Co., 197 Monroe av, Detroit, Mich.**
Dickey-Grabler Wks., W. Madison & 103rd, Cleveland, O.
Dimler Machine Tool Co., Dayton, Ohio
Duncan Co., The, 508 Water, Toledo, O.
Eagle Engineering Co., Springfield, O.
**Eagle Mfg. Co., Blue Rock & Turrill, Cincinnati, O.**
Feltes & Donegan, 1410 Kansas av, Kansas **City, Mo**
**Ferracute Machine Co., Bridgeton, N. J.**
**Fostoria Machine & Tool Co., Fostoria, O.**
**Franklin Die & Tool Co. (The), Columbus, O.**
**Freeman F. W. Co., 160 Portland, Boston, Mass.**
**Fruchey Mfg. Co., 429 Bagg, Detroit, Mich.**
Gardam, Wm. & Son, 114 Park pl., New York
**GASKET SUPPLY CO.** (For All Kinds of Sheet Metal), 1927 Ludlow, Philadelphia, Pa.
*See adv index at end of book*
**GEM MFG. CO.** (For Flat & Drawn Work) Goebel nr Fulton N S, Pittsburgh, Pa.
*See adv index at end of book*
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
**Gillespie Machine Co., Phipps Pr. bldg, Pittsburgh, Pa.**
**Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.**
**Gooley & Edlund, Cortland, N. Y.**
Grammes L. F & Sons, Allentown, Pa.
*See adv index at end of book*
**GRAND RAPIDS BRASS CO.** (For Sheet Metal), Grand Rapids, Mich.
*See adv index at end of book*
Gray Iron Foundry Co., Reading, Pa.
Great Lakes Pressed Steel Corp., 1400 Niagara, Buffalo, N. Y.
**Hanson Clutch & Machy. Co., Tiffin, O.**
*See adv index at end of book*
Hanson Tool & Die Co., 1330 12th, Detroit, Mich.
**Harry Bros. Mfg. Co. (Brass), 282 Woodbridge, E Detroit, Mich.**
**Hatheway Mfg. Co., Bridgeport, Conn.**
**Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.**
**Hibbard W. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.**
Hoeft & Co., 1600 W Kinzie, Chicago, Ill.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Hudson Metal Mfg. Co., 141 Railroad av, Jersey City, N. J.
Inland Machine Works, 17th & Locust, St. **Louis, Mo.**
**JAXON CO.,** 1010-12-14 Jackson, Toledo, O.
*See adv index at end of book*

**Sheet Metal Dies**
THE JAXON COMPANY
*Tools, Dies and Machine Work*
LA FRANCE BUILDING
1010-12-14 Jackson St.
TOLEDO, OHIO.

Johnson & Walters Mfg. Co., 53 Baltimore av, Detroit, Mich.
Jones W. E., 14 Water, Brooklyn, N. Y.
Kennedy Jos. B. & Co., 1205 Olive, St. **Louis, Mo.**
Kidder-Oswald Co., Dayton, O.
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
**Kohler Die & Specialty Co., De Kalb, Ill.**
Konigslow E. Stamping & Tool Works, Cleveland, O.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Krag Franz K., 542 W Jackson, Chicago, Ill.
Krebs Mfg. Co., 3419 E Ohio, Chicago, Ill.
Lansing Stamping & Tool Co., Lansing, Mich.
Lees John, Indianapolis, Ind.
Lindell Die & Tool Co., Lansing, Mich.
Lippert & Rhenstrom, Kenosha, Wis.
Long Adam A., Rochester, N. Y.
Loshbrough-Jordan Tool & Machine Co., **159 E Marion, Elkhart, Ind.**
Loy & Nawrath Co., 25 Runyon, Newark, N. J.
Luitink & Sons Mfg. Co., 775 18th, Milwaukee, Wis.
McCall Machine Works (Sheet Metal), Rochester, N. Y.
McCulloch A. P. Machine Co., 216 High, Boston, Mass.
McDowell Mfg. Co., Stanton av., Pittsburgh, Pa.
Mach. Mfg. & Engineering Co., Council Bluffs, Iowa
Matthews James H. & Co., 3942 Forbes, Pittsburgh, Pa.
Mehl Machine Tool & Die Co., Roselle, N. J.
Meyers Willard F. Co., Bedford, Ind.
Miami Engineering Co., Dayton, Ohio
Miami Tool & Die Co., Dayton, Ohio
**Michigan Machinery Mfg. Co., Ypsilanti, Mich.**
Michigan Pressed Steel Co., 229 Artillery, **Detroit, Mich.**
**Mitchell John R. Co., 702 S Washington, Baltimore, Md.**
Modern Machine & Tool Co., 3351 Lincoln av, Chicago, Ill.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Monarch Tool & Machinery Co., 522 S. Clinton, Chicago, Ill.
Moore Eastwood Co., 116 E 4th, Dayton, O.
Mossberg Frank Co., Attleboro, Mass.
**Mound Tool Co., 1203 S 7th, St. Louis, Mo.**
National Machine & Tool Co., 253 A, Boston, Mass.
**Nelson Blower & Furnace Co., L & Elkins, Boston, Mass.**
Nelson Tool Co., Inc., 782 E 142d, New New York.
**Nestor Mfg. Co., 40 W 13th, New York**
Newman Manufacturing Co., 542 W Jackson, Chicago, Ill.
*See adv index at end of book*
**Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.**
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Northwestern Stamp Works, 110 E 3rd, St. Paul, Minn.
Northwestern Stamping Co., Burlington, Ia.
**NORTH SIDE TOOL CO.,** 17-19 Maryland Dayton, O. *See adv index at end of book*
Ohio Tool Co., Dayton, Ohio
**Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.**
Perkins Machine Co., Warren, Mass.
Phenix Mfg. Co., Milwaukee, Wis.
Precisión Metal Workers, 3100 Carroll av, Chicago, Ill.
**QUADRIGA MFG. & SPECIALTY CO., 213 W Grand av, Chicago, Ill.**
*See adv index at end of book*
Ranz Stamping Tool Co., 1509 N B'way, St. Louis, Mo.
Reliable Machine Co., 5320 St. Clair av, Cleveland, O.
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
San Francisco Engineering Co., 322 6th. San Francisco, Cal.
Saunders Co., 1700 Brooklyn av, Kansas City, Mo.
Scalborn Mfg. Co., 11 S Desplaines, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Schoder & Lombard Stamp & Die Co., 202 Centre, New York
Signalite Mfg. Co., 522 S Clinton, Chicago, Ill.
Sloan Novelty Mfg. Co., Kansas City, Mo.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Spokane Stamp Works, Spokane, Wash.
Standard Die & Stamping Co., Arrott Power Bldg., Pittsburgh, Pa.
Standard Machinery Co., Providence, R. I.
Steel Products Engineering Co., Springfield, O.
Stein Wm. P. & Co., Rochester, N. Y.
Stoll D. H. Co., Buffalo, N. Y.
Sumergrade Jos., 49 Elizabeth, New York
Superior Die, Tool & Machine Co., Columbus, O.
Superior Metal Products Co., Elyria, O.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Taylor-Schantz Co., Rochester, N. Y.
Thatcher-Rueter Mfg. Co., Cleveland, O.
Toledo Machine & Tool Co., Toledo, O.
Tozzi Mfg. Co., 352 Pearl, New York
**UNITED MACHINE & MFG. CO.,** Canton, O.
Utility Tool & Die Co., 2942 Monroe, Toledo, O.
Up-To-Date Tool Co., 81 Wareham, Boston, 18 Mass.
V. & O. Press Co., Dry Harbor rd, Glendale Station, N. Y.
Verdin, Kappes & Verdin Co., Cincinnati, Ohio
Villinger Mfg. Co., Williamsport, Pa.
Wade Machine Co., 817 Albany, Boston, Mass.
Walker Bros., Syracuse, N. Y.
Walsh Press & Die Co., 4709 W Kinzie, Chicago, Ill.
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.
Worcester Pressed Steel Co., Worcester, Mass.
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, Ohio
**Zeh & Hahnemann Co. (For Cans, Cutlery, Hardware, etc), Vanderpool, Newark, N. J.**
Zeidler, William A. Co., 182 Locust av, New York

## Dies (Steam Hammer)

See Dies, Chilled Hammer

## 3800—Dies (Steel, Soft Back)

The Hammond Steel Co., Inc., Solvay, New York

## 3801— Dies (Stencil Cutting)

Dickey-Grabler Wks., W Madison & 103rd, Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Ness Geo. M. Jr., 61 Fulton, New York
Smith R. H. Mfg. Co., Springfield, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

## 3802— Dies (Sub-Press)

Cleveland Metal Stamping Co., Cleveland, Ohio
Columbia Metal Stamping Co., Cleveland, Ohio

DIES (Sub-Press)—continued

Columbus Die, Tool & Machine Co., 955 Cleveland av, Columbus, O.
Cook H. C. Co., 100-120 Jewett, Ansonia, Conn.
Franklin Die & Tool Co. (The), Columbus, O.
Griswold Geo. M. Machine Co. (Four Pillar), New Haven, Conn.
Hoeft & Co., 1600 W Kinzie, Chicago, Ill.
Inland Machine Works, 17th & Locust, St. Louis, Mo.
Keller Pneumatic Tool Co., Fond du Lac, Wis.
**KNAPP ENGINEERING CORP.,** 19 W 44th, New York.
*See adv index at end of book*
McCall Machine Works, Rochester, N. Y.
McCulloch A. P. Machine Co., 216 High, Boston, Mass.
Mehl Mach. Tool & Die Co., Roselle, N. J.
Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.
Nelson Tool Co., Inc., 782 E 142nd, New York
Nestor Mfg. Co., 40 W 13th, New York
Nichols W. H., Waltham, Mass.
North Side Tool Co., 17-19 Maryland av, Dayton, O. *See adv index at end of book*
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Stoll D. H. Co., Buffalo, N. Y.
Victory Mfg. Co., York, Pa.
**WALTHAM MACHINE WORKS,** Waltham, Mass.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

## Dies (Thread Cutting)

See Dies, Screw Cutting

## 3803-4—Dies (Toe Calk Welding)

Cleveland Shaft Spring Co. ("Two-in-One"), Cleveland, O.

## 3805— Dies (Upsetting)

Franklin Die & Tool Co. (The), Columbus, O.
**Modern Tool, Die & Machine Co., 216-220 N Fourth, Columbus, O.**
**Pittsburgh Iron & Steel Foundries Co. ("Adamite"), Midland, Pa.**

## 3806— Dies (Vanadium Steel)

Electric Steel & Forge Co., 6600 Grant av,
Inland Machine Works, 17th & Locust, St. Louis, Mo.

## 3807— Dies (Wire Drawing)

Balloffet-Baszanger Die Co., 108 Fulton, New York
Boulin V. G. (Imp. Diamond), 1 Union sq, New York
Dessau D. (S. Dessau's Son), 180 B'way, New York
*See adv index at end of book*
Dessau Maurice S., 6 Maiden la, New York
*See adv index at end of book*
Dessau's S Sons, 6 Maiden la, New York
Hartley Geo., Waterbury, Conn.
Logan Machine & Mfg. Co. (Cutting), 222 S Clinton, Chicago, Ill.
*See adv index at end of book*
**McFarland Foundry & Machine Co., Trenton, N. J.**
**Morgan Construction Co., Worcester, Mass.**
Newman Andrew Co., 26 Cortlandt, New York
**Syracuse Chilled Die & Casting Co. (Chilled Iron), Syracuse, N. Y.**
**VIANNEY WIRE DIE WORKS** (Imp. Diamond), 1 Union sq, New York
Waldeck Anthony, 7607 B'way, Cleveland, Ohio
Wells & Richardson Co., Burlington, Vt.
Wennsfrom's John Sons Co. ("Sapphire"), Suffern, N. Y.

## 3808— Dies (Wire Weaving)

**Pittsburgh Iron & Steel Foundries Co., Midland, Pa.**

## 3808a— Diethylaniline

Aniline Dies & Chemicals, Inc., 134 Cedar, New York.
Chemical Co. of America, 28 Platt, New York
Dow Chemical Co., Midland, Mich.
Rector Chemical Co., Inc., 2 Rector, New York
T. M. & G. Chemical Co., Belleville, N. J.

## 3809— Digesters

American Copper & Brass Works, Cincinnati, O.
American Process Co. (& Cookers), 68 William, New York
American Welding Co. (Wood Pulp, Chemicals, etc), Carbondale, Pa.
Atlantic Works, 80 Border E B, Boston, Mass.
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.**
*See adv index at end of book*
Coatesville Boiler Works, Coatesville, Pa.
Columbiana Boiler Co., Columbiana, O.
Continental Iron Works (Welded), West & Calyer, Brooklyn, N. Y.
Dempwolf C. H. & Co., York, Pa.
Devine J. P. Co., Buffalo, N. Y.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
Dover Boiler Works. Sales Office: 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Eastwood Wire Mfg. Co. ("Perfection" Bronze for Paper Mills), Belleville, N. J.
Ervien Chas. W. & Co., Venango & G, Phila., Pa.
**FURMAN-FISHER CORP.,** 32 Church, New York *See adv index at end of book*
Garrigues Com. & Co. (Fat & Oil), 154 Nassau, New York
Hooven, Owens, Rentschler Co. ("Hamilton" Globe), Hamilton, O.
*See adv index at end of book*
**International Process Co. ("Pintsch," Digesters & Diffusers for Mfr of Chemical Wood Pulp), 5 Beekman, New York**
Jackson & Church Co., Saginaw, Mich.
Leslie, Elliott & Co., Paterson, N. J.
McAllenean Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
**McNeil Boiler Co., 96 Crozier, Akron, O.**
Manitowoc Engineering Works (Sulphite, Rotary & Soda), Manitowoc, Wis.
Mohr John & Sons (Rubber & Paper), 349 W Illinois, Chicago, Ill.
**Munroe R. & Sons Mfg. Corporation, 23d & Smallman, Pittsburgh, Pa.**
Noble & Wood Machine Co. (Paper Mill), Hoosick Falls, N. Y.
Petroleum Iron Works Co. (Pulp), Sharon, Pa.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
**Pollock Wm. B. Co. (of Large Capacity & Pressure for Pulp Mills), Youngstown, O.**
**Portland Co. (For Sulphite & Soda Mills), Portland, Me.**
Pusey & Jones Co. (Welded Steel), Wilmington, Del.
Renneburg E & Sons Co., 2639 Boston, Baltimore, Md.
**Smith Samuel & Son Co., Paterson, N. J.**
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
**Struthers-Wells Co., Warren, Pa.**
Stuart & Peterson Co. (Soup), Burlington, N. J.
**Swenson Evaporator Co. (Lap Welded), 53 W Jackson blvd, Chicago, Ill.**
**TRAYLOR ENGNG. & MFG. CO.,** Allentown, Pa. *See adv index at end of book*
De Pere Mfg. Co., West De Pere, Wis.

## 3809a— Digestors (Garbage)

**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*

## 3810— Digesters (Rubber)

**BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.**
*See adv index at end of book*

## 3811— Diggers (Beet)

Avery B. F. & Sons, Louisville, Ky.
Bucher & Gibbs Plow Co. ("The Michigan"), Canton, O.
Parlin & Orendorff Co. ("P & O"), Canton, Ill.

## 3812— Diggers (Peanut)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Champion Potato Machine Co., Hammond, Ind.

## 3813— Diggers (Post Hole)

See also Augers, Post Hole

American Shovel & Stamping Co., Lorain, O.
Brown Mfg. Co. ("Brown Champion"), Zanesville, O.
Champion Tool & Handle Wks., Evart, Mich.
Columbus Handle & Tool Co. ("Columbus" Atlas, Eureka Pattern), Columbus, Ind.
Disston Hy. & Sons ("Samson" "Rapid"), Tacony, Phila., Pa.
Eureka Digger Co. ("Eureka", "Atlas", "Hexagon", "Invincible", "Hercules"), 227 W Huron, Chicago, Ill.
Gibbs Mfg. Co. ("Gibbs"), Canton, O.
**Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.**
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Iwan Bros. ("Iwan's," "Iwan's Hercules," "Split Handle," "Perfection"), South Bend, Ind.
**Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.**
Kohler F. E. Co. ("Kohler," "Universal," "Little Giant," "Invincible," "Rival," "Hercules," "Champion" & "Pioneer"), Canton, O.
Matthews & Bro., Inc., W N St. Louis, 3722 Forest Park blvd.
**National Mfg. & Steel Supply Co. ("Carter" Automatic), Newark, N. J.**
Ohio Cultivator Co. ("Champion"), Bellevue, Ohio
**Oliver Iron & Steel Co. (Loop or Tamping Top), S 10th & Muriel, Pittsburgh, Pa.**
Osmundson Spade Mfg. Co. ("One Minute"), Perry, Ia.
Pech Gus. Foundry & Mfg. Co. (Powell,), La Mars, Ia.
Ransome Concrete Machinery Co., Dunellen, N. J.
**Seymour Mfg. Co. ("Seymour," "Eureka," "Atlas," "Hercules," "Champion," "Perfection"), Seymour, Ind.**
Swineford G. A. Co., Canton, O.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*
Wood Shovel & Tool Co., Piqua, O.
**Western Steel & Iron Works, De Pere, Wis.**
Wyoming Shovel Wks., Wyoming, Pa.

## 3814— Diggers (Potato)

**Akron Cultivator Co. ("Hist's"), Akron, O.**
**Allen S. L. & Co. ("Planet, Jr." Plow, for White & Sweet Potatoes), 5th & Greenwood, Phila, Pa.**
American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Aspinwall Mfg. Co. ("Aspinwall," Potato Digging Machines), Jackson, Mich.
**Avery B. F. & Sons ("Avery," Plow, for White or Sweet Potatoes), Louisville, Ky.**
**Baboock Mfg. Co. (Cummings, "Otsego," Potato Digging Machines), Leonardsville, N. Y.**
**Bateman Mfg. Co. ("Iron Age," Potato Digging Machines), Grenloch, N. J.**
**Belcher & Taylor Agricultural Tool Co. ("Hitchcock" Plow), Chicopee Falls, Mass.**
**Blount Plow Works ("Blount," Plow), Evansville, Ind.**
**Brown-Manly Plow Co. ("Daisy Jr." Plow), Malta, O.**
**Brown Peter ("Brown" Potato Digging Machines), Greeley, Colo.**
**Bucher & Gibbs Plow Co., Canton, O.**
**Burch Plow Works Co. ("Burch" Plow), Crestline, O.**
**Champion Potato Machine Co. ("O-K Champion" Potato Digging Machines), Hammond, Ind.**
**Chattanooga Plow Co. ("Chattanooga" Plow), Chattanooga, Tenn.**
**Davidson-Dietrich Plow Co. (Plow Diggers), Evansville, Ind.**
Deere & Co. ("Jno. Deere," "Shaker" Plow), Moline, Ill.
DeShay D. H. ("Star"), Elysburg, Pa.
Doughten H. W. ("King of Potato Field" Plow), Moorestown, N. J.
**Dowden Mfg. Co. (Ltd.) ("Dowden" Potato Digging Machines), Prairie City, Ia.**
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Eureka Mower Co. ("Eureka"), 16 Hickory, Utica, N. Y.

Farquhar A. B. Co., Ltd. ("Gilt Edge," "Success Jr."), York, Pa.
Fenn Mfg. Co., Charlotte, Mich.
Gowanda Agricultural Works ("Hamburg," "Knox" Potato Digging Machines), Gowanda, N. Y.
Greenville Implement Co. ("Banner" Plow), Greenville, Mich.
Hall Jas. H. Plow Co., Maysville, Ky.
Hamburg Plow Works ("Hamburg" Plow), Hamburg, Pa.
Hist Potato Machinery Co. ("New Hist"), Alliance, O.
Hoover Mfg. Co. ("Hoover" Potato Digging Machines), Avery, O.
Ireland & Helfrich ("Hoy"), Spencerport, N. Y.
Keystone Machine Co. ("Rice"), York, Pa.
McKenzie Mfg. Co. ("Badger"), La Crosse, Wis.
Messinger Mfg. Co. ("The Champion" Plows & Machines), Tatamy, Pa.
Moline Plow Co. ("Moline Knocker" Plow), Moline, Ill.
Moore Plow & Implement Co. ("Moore" Plow), Greenville, Mich.
Mountville Mfg. Co. ("Mountville"), Mountville, Pa.
Ohio Rake Co. ("Standard," "Little Giant"), Dayton, O.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Peek's S. H. Sons ("Reuther" Potato Digging Machines), East Aurora, N. Y.
Peru Plow & Wheel Co. ("Peru"), Peru, Ill.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Platt Addison J., Sterling, Ill.
Potato Implement Co. ("Acme," Hand), Traverse City, Mich.
Racine-Sattley Co. ("Rustler"), Springfield, Ill.
Rock Island Plow Co. ("Rattler" Plow), Rock Island, Ill.
Schofield & Co. ("Schofield" Plows & Machines), Freeport, Ill.
South Bend Chilled Plow Co. ("South Bend" & "Shaker"), South Bend, Ind.
Sterling Mfg. Co. ("Sterling" Plow), Sterling, Ill.
Stevens Mfg. & Foundry Co., Decatur, Ill.
Syracuse Chilled Plow Co. ("Syracuse" Plow), Syracuse, N. Y.
Topeka Foundry & Iron Works Co., Topeka, Kan.
Wabers Mfg. Co. ("Best," Elevator Two-Horse), Racine, Wis.

## 3815— Diggers (Stubble)

Avery B. F. & Sons, Louisville, Ky.
Hall Jas. H. Plow Co., Maysville, Ky.
Moline Plow Co. ("Cap't Lafitte"), Moline, Ill.

## 3815a— "Dim-a-lite"

Wirt Company (Dimming Sockets), Germantown, Phila, Pa.

## 3815b— Dimethylaniline

Aniline Dyes & Chemicals Inc., 134 Cedar, New York
Calco Chemical Co. (Chemical for Dyes), Bound Brook, N. J.
Chemical Co. of Am. (Mfrs), 28 Platt, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Rector Chemical Co., 2 Rector, New York
Williamsburg Chemical Co., 230 Morgan av, Brooklyn, N. Y.
Williamson & Co., 28 Burling Slip, New York

## 3816—Dimmers (Automobile)

Chicago Eye Shield Co., 2300 Warren av, Chicago, Ill.
Morse Frank W. (Regulite Socket Plug), 293 Congress, Boston, Mass.
*See adv index at end of book*
St. Louis Elec. Wks., 4060 Forest Park blvd, St. Louis, Mo.
Suburban Lighting Co., Toledo, Ohio
Ward Leonard Elec. Co., Bronxville, N. Y.

## Dimmers (Theatre)

**See Rheostats, Stage Dimming)**

## 816a— Dinitrobenzol

Aetna Explosive Co., Inc., 165 B'way, New York
Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Chemical Co. of America, Inc., 28 Platt, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Middlesex Aniline Co., Singer bldg, New York
Monroe Color & Chemical Co., Quincy, Ill.
Verona Chemical Co., Newark, N. J.

## 3816b— Dinitrochlorbenzol

Chemical Co. of Am., 28 Platt, New York
Du Pont Chemical Works, 120 B'way, New York

## 3816c— Dinitronaphthalene

Agawam Chemical Works, Grosvenor bldg, Providence, R. I.
Newport Chemical Works, Milwaukee, Wis.

## 3816d— Dinitrophenol

Du Pont Chemical Works, 120 B'way, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York

## 3816e— Dinitrotoluol

Du Pont Chemical Works, 120 B'way, New York

## 3816f— Dip (Sheep)

Burch F. S. & Co., 152 W Huron, Chicago, Ill.
Chemical Supply Co., 2450 Canal rd, Cleveland, O.
Hygeno Disinfectant Co., Cleveland, O.
Peerless Stock Powder Co. ("Cresy-pole"), Falls City, Neb.
**PROTEXOL CORPORATION**, 41 Barclay, New York
Thompson's Carbolic Soap Co., 46 Eagle, Brooklyn, N. Y.
Van Tilberg Oil Co. ("Creola"), 2424 Univ. av, S E, Minneapolis, Minn.
White Tar Co. of N. J., 56 Vesey, New York

## 3817— Dippers (Asphalt)

Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.

## 3818— Dippers (Copper)

Harris Arthur & Co., 212 N Curtis, Chicago, Ill. *See adv index at end of book*
Knapp Mfg. Co., 48 Warren, New York
Ray Geo. A. Mfg. Co. (Nickel Plated), Buffalo, N. Y.
Rochester Stamping Co., Rochester, N. Y.
Rome Mfg. Co. (Nickel Plated), Rome, N. Y.

## 3819— Dippers (Cream)

Boettiger Louis A. Co. ("Chapin"), 48 Leonard, New York
Chapman Co. ("Chapman"), Geneva, N. Y.
National Enameling & Stamping Co., 411 5th av, New York

## 3820—Dippers (Milk, Water, Etc.)

Central Stamping Co. ("Puritan," "Sterling"), 172 Fulton, New York
Lalance & Grosjean Mfg. Co. (Enameled Iron, Tin, etc), 299 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York
Strong Mfg. Co. (Enameled Cocoa Cup, Flaring, etc), Sebring, O.

## 3821—Dippers (Steam Shovel & Dredge)

American Manganese Cteel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Fairbanks Steam Shovel Co., Marion, O.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Union Iron Works (For Steam Shovels), Hoboken, N. J.

## 3822— Dippers (Wood)

Chapman-Sargent Co. (Pickle, Oyster, Fruit, Butter, etc), Piqua, O.

## 3823-4-5—Dippers & Funnels (Combination)

**Peoria Can Co., Peoria, Ill.**

## 3826—*Dirt Collectors (Centrifugal)

**WESTINGHOUSE AIR BRAKE CO.**, Pittsburgh, Pa.

## 3827—Dischargers (Centrifugal)

American Tool & Machine Co., 10 High, Boston, Mass.

## 3828— Discharges (Static)

Lord Mfg. Co. ("Abacot"), 105 W 40th, New York

## 3829— Discs (Abrasives)

Badger Tool Co. ("Badger"), Beloit, Wis.
Besly Chas. H. & Co. ("Helmet," "Boxite," "Crystox," "Garnet Plain Paper"), 120 N Clinton, Chicago, Ill.
Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Gardner Machine Co. ("Gardner"), Beloit, Wis.
Manning Abrasive Co., Troy, N. Y.
Wausau Abrasives Co., 118 S Clinton, Chicago, Ill.

## 3830— Discs (Armature)

**(Iron Discs & Segments)**

Cleveland Armature Works, Inc., 4736 St. Clair av, Cleveland, O.
Columbus Die, Tool & Mach. Co., 955 Cleveland av, Columbus, O.
Commutator Co., 121 N 1st, Minneapolis, Minn.
Hendrick Mfg. Co., Carbondale, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.

## Discs (Carbon)

**See Carbon Mfrs.**

## 3831—Disc (Circular Metal Slitting)

Union Twist Drill Co., Athol, Mass.

## Discs (Cork)

**See Washers, Cork**

## 3832— Discs (Fibre)

**CHICAGO MICA CO.** (Also Mica), Valparaiso, Ind.
*See adv index at end of book*
Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
*See adv index at end of book*
Nat'l Fibre & Insulation Co., Yorklyn, Del.

## 3832a— Discs (Filtering)

Norton Co., Worcester, Mass.

## 3833— Discs (Friction)

Houghton E. F. & Co. ("Vim" Leather), 240 W Somerset, Phila., Pa.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*

## 3833a— Discs (Glass)

Corning Glass Works, Corning, N. Y.

## 3834— Discs (Grain Drill)

Cambria Steel Co., Widener bldg, Phila., Pa.
Indiana Rolling Mill Co., New Castle, Ind.

## 3835— Discs (Graphite)

Acheson Graphite Co., Niagara Falls, N. Y.
United States Graphite Co., Saginaw, Mich.

## 3836— Discs (Harrow)

Cambria Steel Co. (Steel), Widener bldg, Phila., Pa.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Indiana Rolling Mill Co., New Castle, Ind.
Stowel Co., The (Disc Washers Only), So Milwaukee, Wis.

## 3837— Discs (Hot Water)

Tyler Fred A. (Adjustable), Albany, N. Y.

## 3838-9—Discs (Iron & Steel)

Auburn Ball Bearing Co. (Hardened Tool Steel), 26 Elizabeth, Rochester, N. Y.
Betcher Stamping & Mfg. Co., 6120 Clark av, S W, Cleveland, O.

DISCS (IRON & STEEL)—continued

Bossert Corporation, The, cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
Curtis Mfg. Co. (Steel Clutch), 1571 Kienlen av, St. Louis, Mo.
**ELECTRIC STEEL & FORGE CO.**, 6600 Grant av, Cleveland, Ohio.
*See adv index at end of book*
**Farist Steel Co., Bridgeport, Conn.**
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Hammond Steel Co., Inc. (Steel Only), Syracuse, N. Y.
Ludlum Steel Co., Watervliet, N. Y.
McInnes Steel Co. (Ltd.) ("McInnes" Annealed Tool Steel), Corry, Pa.
**Molthrup Steel Products Co., Beaver Falls, Pa.**
Mossberg Frank Co. (Circular, Pressed, Steel), Attleboro, Mass.
Nicetown Plate Washer Co., 1824 Juniata, Nicetown, Phila, Pa.
U. S. Indestructible Gasket Co., Church & Fulton, New York.
*See adv index at end of book*
Vulcan Steam Forging Co. (Forged), 251 Rano, Buffalo, N. Y.
Wyoming Shovel Works, Wyoming, Pa.

## 3840— Discs (Radiator)

Goetze Gasket & Packing Co. ("Goetze" Copper-Asbestos or Nickel-Asbestos), New Brunswick, N. J.

## 3840a— Discs (Record)

**Victor Talking Machine Co., Camden, N. J.**

## 3841— Discs (Self-Feeder)

Henry & Allen (For Threshing Machines), Auburn, N. Y.

## 3842-3— Discs (Slate)

Keenan Structural Slate Co., Bangor, Pa.
McNamara Bros., Fair Haven, Vt.

## 3844— Discs (Valve)

American Hard Rubber Co. (Hard Rubber), 9 Mercer, New York
Anchor Packing Co. ("Ankorite"), Lafayette bldg, Phila., Pa.
Bell Andrew (Est. of), 6 Commercial, Newark, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Canfield Rubber Co., Bridgeport, Conn.
Cincinnati Rubber Mfg. Co. (Rubber), Cincinnati, O.
Combination Rubber Mfg. Co. (Rubber) Bloomfield, N. J.
Continental Fibre Co. ("Bakelite-Dilecto" & Vulcanized Fibre), Newark, Del.
*See adv index at end of book*
Continental Rubber Works (Rubber), Erie, Pa.
**DOMINION ASBESTOS & RUBBER CORP** ("Darcoid") 154 Nassau, New York. *See adv index at end of book*
Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York
Goetze Gasket & Packing Co. ("Goetze" Copper Asbestos or Nickel-Asbestos), New Brunswick, N. J.
Goodrich B. F. Co. (Rubber), Akron, O.
Home Rubber Co., Trenton, N. J.
Jenkins Bros., 80 White, New York
Johns-Pratt Co., The, ("Vulcabeston"), Hartford, Conn.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
McCrea, Jas. & Co. ("Perfect"), 562 W Washington, New York
**Manhattan Rubber Mfg. Co., Passaic, N. J.**
**Mattson Rubber Co. (Rubber), Lodi, N. J.**
Nat'l Fibre & Insulation Co., Yorklyn, Del.
National Mfg. & Engineering Co. ("American" Metal), 1537 Race, Phila., Pa.
New York Belting & Packing Co. (Rubber), 91 Chambers, New York
O'Meara J. (Inc.), 2 Lispenard, New York
Ohio Injector Co. ("O. I. C."), Wadsworth, Ohio
Pennsylvania Rubber Co. (Rubber), Jeannette, Pa.
Post E. L. & Co. ("Post's" Corrugated Metal), 50 Cliff, New York
Quaker City Rubber Co., 629 Market, Phila., Pa.
Republic Rubber Co. (Rubber), Youngstown, O.
Skinner M. B. Co. ("Perfect"), 562 W Washington, Chicago, Ill.
**Star Brass Mfg. Co. (Renewable Metal),** 53 Oliver, Boston, Mass.
Strong Machinery & Supply Co. ("Strong's I. O. P."), 21 Walker, New York
U. S. Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*
U. S. Rubber Co., 170 B'way, New York
Western Packing & Supply Co., 231 N. Wells, Chicago, Ill.
*See adv index at end of book*
**Western Rubber Co. (Rubber), Goshen, Ind.**
**Wolverine Brass Works, Grand Rapids, Mich.**

## 3845—Dish Warmers (Electric)

Prometheus Electric Co., 511 W 42d, New York

## 3846— Dishers (Ice Cream)

Bloomer Bros. Co., Newark, N. J.
**Clipper Fountain Supply Co., Troy, N. Y.**
**Gilchrist Co., 236 Bank, Newark, N. J.**
**Giles & Nielsen Nickel Works, Troy, N. Y.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
National Enameling & Stamping Co., 411 5th av, New York
**Nicol & Co. ("Delmonico's"), 218 N Jefferson, Chicago, Ill.**
Service Commodities Co., 442 N Wells, Chicago, Ill.
Walker C. L. & Co. ("Walker's," Aluminum & Tin & Nickel Silver), 656 W 12th, Erie, Pa.

## 3846a— Dishes (Baking)

Corning Glass Works, Corning, N. Y.

## 3846b— Dishes (Cascade)

Elyria Enameled Products Co. (Steel or Cast Iron Glass Enameled), Elyria, O.

## 3847— Dishes (Chafing)

Aldrich Mfg. Co., Buffalo, N. Y.
American Electrical Heater Co. (Electric), Detroit, Mich.
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Buffalo Mfg. Co., Buffalo, N. Y.
Central Stamping Co. ("Puritan"), 174 Fulton, New York
Edison Elec. Appliance Co., Inc. (Hotpoint Div.), 5600 W Taylor, Chicago, Ill.
**International Silver Co., 9 Maiden la, New York**
Lalance & Grosjean Mfg. Co. (Enameled), 299 B'way, New York
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Manning, Bowman & Co., Meriden, Conn.
New York Stamping Co. ("Empress"), N 11th & Berry, Brooklyn, N. Y.
Ray Geo. A. Mfg. Co., Buffalo, N. Y.
Rochester Stamping Co. (Electric & Alcohol), Rochester, N. Y.
Sternau S. & Co., 9 E 37th, New York
Sutterley G. T. & Co. 172 N 2nd, Philadelphia, Pa.
Sweeney W. H. Mfg. Co. ("Royal," Copper & Nickel Plated, etc), 30 Main, Brooklyn, N. Y.
Wallace R. & Sons Mfg. Co., Wallingford Conn.
**WESTINGHOUSE ELECTRIC & MFG. CO** (Electric), East Pittsburgh, Pa.
*See adv index at end of book*

## 3847a—Dishes (Evaporating)

Elyria Enameled Products Co. (Glass Enameled), Elyria, Ohio.
Thermal Syndicate Ltd., 59 E 41st, New York

## 3847b— Dishes (Incinerating)

Norton Co., Worcester, Mass.

## 3848—Dishes, Plates, Etc. (Paper)

American Water Supply Co., 251 Causeway, Boston, Mass.
Bleyer Alfred & Co., 229 West, New York
Economy Box & Pie Plate Co., Marion, Ind
Escanaba Mfg. Co., St. Louis, Mo.
Grasberger B. A. & Co., 820 W Moore, Richmond, Va.
Keyes Fibre Co., Waterville, Me.
No Leak Paper Dish Co., Wheeling, W. Va
Northern Bag & Plate Co., Carthage, N.Y.
Oval Wood Dish Co., Delta, O.
Sayford Paper Specialty Co. (Finger Bowls & Ice Cream Inserts), Vineland, N. J.
Star Paper Dish Co. ("Daisy" Round, "Handy" Square), Richmond, Va.
Virginia Mfg. Co., Suffolk, Va.

## 3848a— Dishes (Porcelain)

Ohio Pottery Co. ("Ohio"), Zanesville, O.

## 3848b— Dishes (Soap)

**See also Bath Room Fixtures & Furnishings; also Enameled Ware Mfrs.; also Wire Goods, Bright**

The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Racine Iron & Wire Works, Racine, Wis.

## 3849— Dishes (Wood)

Atlas Mfg. Co., New Haven, Conn.
Bleyer Alfred & Co. (Pie Plates), 229 West, New York
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Dayton Paper Novelty Co., Dayton, O.
Dodge Clothespin Co. (Wire Ends), Caudersport, Pa.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Keyes Fibre Co., Waterville, Me.
Mullen Bros. Paper Co., St. Joseph, Mich.
Northern Bag & Plate Co., Carthage, N.Y.
Northern Woodenware Co., Island Falls, Me.
Oval Wood Dish Co. ("Ritshape" of Every Description), Tupper Lake, N. Y.
Richmond Cedar Works (Wire & Tin End Butter), Fulton, Richmond, Va.
Roberts J. N. Mfg. Co., Metropolis, Ill.
Star Paper Dish Co. ("Daisy"), Richmond, Va.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Weston Paper & Mfg. Co., Dayton, O.

## 3850— Disinfectants

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Alcatraz Co., Inc. ("Karbo," "Pin-E-Ola"), 3200 Williamsburg av, Richmond, Va.
American Antiformin Co. ("Antiformin"), 322 9th, Brooklyn, N. Y.
**American Aromatic Disinfector Co., 428 Walnut, Phila., Pa.**
American Disinfectant Works, Buffalo, N.Y.
American Disinfecting Co., Sedalia, Mo.
American Oil & Disinfectant Co. ("Sparrow"), 196 Water, New York
Antozone Chemical Co., 32 Old Slips, New York
Aspinwall Geo. H. (Inc.), Cornelison av, Jersey City, N. J.
Barrett Co., 17 Battery pl., New York
Baum Bros. Co., Denver, Colo.
Bayer Co. (Antinonnin), 117 Hudson, New York
Bayway Chemical Co., Elizabeth, N. J.
Boston Chemical Co., 196 W Canton, Boston, Mass.
Brewer & Co. ("Cresonol," "Creosanthol," "Pinosol"), Worcester, Mass.
**Burch F. S. & Co., 152 W Huron, Chicago, Ill.**
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
California Exterminating Co., Inc., 121 Manhattan, New York
Carpenter W. D. Co., Syracuse, N. Y.
Chemical Supply Co., 2450 Canal rd, **Cleveland, O.**
Clifton Chemical Co., 317 Greenwich, New York
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Continental Mfg. Co. ("Puroline"), Indianapolis, Ind.
Corbin Disinfecting Co. ("Napthol-Phenoline"), Front & Walnut, Phila., Pa.
Cremoline Disinfecting Co., 17 S Main, St. Louis, Mo.
Crest Chemical Co. ("Crest"), Seattle, Wash
**Dayton Wm. H., 4108 E 100th, Cleveland, Ohio**
Dolge C. B. Co., Westport, Conn.
Durfee Mfg. Co., Grand Rapids, Mich.
Dusenberry H. C. (Inc.), ("Creoleum," "C. C."), 95 Gold, New York
Eagle Oil & Supply Co. ("Eagleine"), 104 Broad, Boston, Mass.

Egyptian Chemical Co., 255 Atlantic av, Boston, Mass.
Embalmers' Supply Co., Westport, Conn.
Flash Chemical Co. ("Flash Creothol"), 160 Second, Cambridge, Mass.
Ford Mfg. Co., 2339 La Salle, Chicago, Ill.
Fort Pitt Chemical Co. ("Sanitant," "Sanol"), 3134 Penn av, Pittsburgh, Pa.
Frederick Disinfectant Co., Atlanta, Ga.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Garnet Geo. H. Co., Allentown, Pa.
General Laboratories ("B-K"), 906 Monona av, Madison, Wis.
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Good James, 939 N Front, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, O.
Hayner Norman C. Co. ("Killitol"), Rochester, N. Y.
Hillyard Mfg. Co., St. Joseph, Mo.
Hockwald Chemical Co. ("Pinoleum" & "Croroleum"), 531 Howard, San Francisco, Cal.
Houghton E. F. & Co. ("Houghton" Odorless), 240 Somerset, Phila., Pa.
Hunt Mfg. Co., 3335 Broadview, Cleveland, Ohio
Indianapolis Chemical Co., 1444 Madison av, Indianapolis, Ind.
Insecticide Co., Phelan bldg, San Francisco, Cal.
Johnson A. W. V., Merchts. Exchange, San Francisco, Cal.
Lehn & Fink, 120 William, New York
Lewis, Samuel, 73 Broadway, New York
Mann H. D. Co. ("Odozone"), 124 N Warren, Syracuse, N. Y.
Masury-Young Co., 196 Milk, Boston, Mass.
Merck & Co., 45 Park pl, New York
Minor W. E. Disinfectant Co. ("Minor"), 328 Champlain av, Cleveland, O.
Monahan Antiseptic Co., 166 N Curtis, Chicago, Ill.
National Disinfecting Co. ("Phenolene"), 306 E 59th, New York
National Sanitary Co., Sedalia, Mo.
No. American Chemical & Engng. Co., 23 Old Slip, New York
Northwestern Mfg. Co., Indianapolis, Ind.
Ohio Chemical Co., Findlay, O.
Oxyozon Disinfecting Co., 410 W 13th, New York
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Parke, Davis & Co., 743 E Atwater, Detroit, Mich.
Phinotas Chemical Co., 237 Front, New York
Platt Henry B., 42 Cliff, New York
Plunkett Chemical Co., 2540 Cottage Grove av, Chicago, Ill.
**PROTEXOL CORPORATION,** 41 Barclay, New York
Purolene Disinfecting Co., 956 S B'way, Los Angeles, Cal.
Rath Mfg Co. ("Rathola," Liquid), Hedley cr. of Richmond, Phila., Pa.
Robacher's Disinfectant Co., Rochester, N. Y.
Rochester Germicide Co., Rochester, N. Y.
Rosealene Products Co., 667 Howard, San Francisco, Cal.
*See adv index at end of book..*

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Samfat Co., 141 W 36th, New York
Sanitary Products Corp., Philadelphia, Pa.
Soudan Specialty Mfg. Co., 961 Alexander, Milwaukee, Wis.
Spiritine Chemical Co., Wilmington, N. C.
Standard Chemical Co., 728 Frankfort av, Cleveland, O.
Standard Chemical Co. ("Creofectant"), Houston, Tex.
Sulpho Napthol Co., 14 Medford, Boston, Mass.
U. S. Chemical Co., Greenville, Conn.
Vapo-Cresoline Co., 62 Cortlandt, New York
Vestal Liquid Soap & Disinfectant Co. ("Vestarol"), 1121 Pine, St. Louis, Mo.
Waelde Herman, 736 Frankfort av, N W, Cleveland, O.
West Disinfecting Co. ("Coro Noleum"), 411 5th av, New York
WESTMORELAND CHEMICAL & COLOR CO. ("Fer Sul"), S E cor 22nd & Westmoreland, Phila., Pa.
White Tar Co., John & Cliff, New York
White Tar Co. of N. J. ("Creolol"), 56 Vesey, New York
Williams Joseph Co., Sharpsburg, Pa.
Wilson & Co., Union Stock Yards, Chicago, Ill.
Woolf Laboratories, Inc., 230 Greenwich, New York
Worrell Mfg. Co. ("Vermingo"), 212 N Main, St. Louis, Mo.
Yale C. I. Mfg., Yalesville, Conn.
Zenner Disinfectant Co., 133-35 Larned av, Detroit, Mich.

## 3851— Disinfecting Apparatus

**See also Machinery, Disinfecting**

American Sterilizer Co. (For Hospitals, etc), Erie, Pa.
Automatic Disinfectant Co., Box 252, Memphis, Tenn.
Bernstein Mfg. Co. (For Hospitals), 3d & Alleghany, Phila., Pa.
Garnet Geo. H. Co., Allentown, Pa.
Hillyard Mfg. Co., St. Joseph, Mo.
Hydro-Pneumatic Disinfecting Co., 221 Mercer, New York
Rochester Germicide Co., Rochester, N. Y.

## 3852— Disintegrators

**ABBE ENGINEERING CO.,** 216-224 B'way, New York.
*See adv index at end of book*
Abbe Paul O. (Cage & Disc), 30 Broad, New York
American Clay Machinery Co. (Clay), S Walnut, Bucyrus, O.
*See adv index at end of book*
Anderson Foundry & Machine Works (Clay), Anderson, Ind.
Atlanta Utility Works, East Point, Ga.
Blanchard Machine Co. (Fertilizer), Cambridge, Mass.
Brewer H. & Co. (Clay), Tecumseh, Mich.
Campbell Peter F. (Mill), 55 Laurel, Philadelphia, Pa.
Chambers Bros. Co. (Clay), 52nd below Lancaster, Phila., Pa.
Day J. H. Co., Cincinnati, O.
Excel Mfg. Co. (All Dry Colors), Pottersville, N. J.
Fate-Rooth-Heath Co. (Clay), Plymouth, Ohio
Flynn & Emrich Co., 305 N Holliday, Baltimore, Md.
Holmes & Blanchard Co., 31 State, Boston, Mass.
**JEFFREY MFG. CO.** (Coal, etc), 961 N Fourth, Columbus, Ohio.
*See adv index at end of book*
**LINK-BELT CO.** (For Coal, etc.), 329 W 39th, Chicago, Ill. & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
Mead & Co., Detroit, Mich.
Potts C. & A. & Co. (Clay), Indianapolis, Ind.
Pratt Engineering & Machine Co., Atlanta, Ga.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sackett A. J. (Fertilizer, etc.), cor. 4th av & First, Baltimore, Md.
Stedman's Foundry & Machine Works, Aurora, Ind.
Steele J. C. & Sons, Statesville, N. C.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
Walker & Elliott, Wilmington, Del.
Wellington Machine Co. (Clay), Wellington, O.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 3853— Disintegrators (Sugar)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Standard Supply Co. ("Warmoth-Hyatt"), 420 Carroll, New Orleans, La.

## 3854—Dispensers (Cream & Milk)

American Machinery Co. ("American"), 330 N 17th, Philadelphia, Pa.

## 3855— Dispensers (Straw)

Coe Mfg. Co. ("Monarch"), 35 Warren, New York

## 3856— Dispensers (Sugar)

Decorus Mfg. Co., 33 Union sq, New York
Spengler-Loomis Mfg. Co. ("Kwicksharp"), 58 E Washington, Chicago, Ill.

## Display Fixtures

**See Window Display Fixtures**

## Distillers

See Alcohol, various kinds

## 3857— Distilling Apparatus

**See also Stills of Various Kinds**

American Copper & Brass Wks., Cincinnati, O.
American Engineering Co. (For Marine Work), Aramingo av & Cumberland, Phila., Pa.
Badger E. B. & Sons Co. ("Barbet" for Alcohol, Rum, Wood, etc), 75A Pitts, Boston, Mass.
Baeuerle & Morris (For Alcohol, Whiskey, Turpentine, Water, Pine, Oils, etc), 932 N Front. Phila., Pa.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Devine J. P. Co. (For Wood), Buffalo, N. Y.
FURMAN-FISHER CORP., 32 Church, New York. *See adv index at end of book*
Gerstein Bros. & Cooper (All Kinds), 3 W 3d, South Boston, Mass.
GRISCOM-RUSSELL CO ("Reilly" Water, also Salt Water & Chemicals), 92 West, New York
*See adv index at end of book*
Hoffman-Ahlers Co. (Wood Alcohol, Turpentine, Vinegar, etc), 828 E Pearl, Cincinnati, O.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y
LUMMUS WALTER E. CO., 171 Milk, Boston, Mass.
Philadelphia Coppersmithing Co., 222 N Front, Phila., Pa.
ROW & DAVIS ENGINEERS, INC. ("Paracoil"), 90 West, New York
*See adv index at end of book*
Schutte & Koerting Co. ("S. & K.," for Producing Fresh Water), 1251 No. 12th, Phila., Pa.
Standard Water Systems Co. ("Tripure" Water), Hampton, N. J.
Triumph Ice Machine Co. (Refrigeration), Oakley, Cincinnati, O.
Ordway Chas. ("Yaryan" System for Producing Fresh Water from Sea Water, etc.), 25 Church, New York
Vulcan Copper Works Co., 120 Sycamore, Cincinnati, O.

## Distributors (Asphalt & Tar)

**See Road Oilers & Distributors**

## 3858—Distributors (Fertilizer)

Akron Cultivator Co. ("Akron" Horse), Akron, O.
American Seeding Machine Co., Springfield, O.
Avery B. F. & Sons ("Avery's Improved," "Knocker," "Pet"), Louisville, Ky.
Ayers J. R. (Single Row One Horse), Petersburg, Va.
Bateman Mfg. Co. ("Advance," "Iron Age"), Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co. ("Stevens," Hand & Horse), Chicopee Falls, Mass.
Brinly Hardy Co., Louisville, Ky.
Brown Mfg. Co. ("Brown"), Zanesville, O.
Cole Mfg. Co., Charlotte, N. C.
Crown Mfg. Co., Phelps, N. Y.
Gantt Mfg. Co. (Guano), Macon, Ga.
Genung C. W. ("Iron King"), Madison, O.

DISTRIBUTORS (Fertilizer)—continued

**Harriman Mfg. Co.** ("Tillman" Hand), Harriman, Tenn.
**Hench & Dromgold Co.** ("H. & D."), York, Pa.
**International Harvester Company of America, Inc.** ("Hoosier," "Kentucky"), Harvester bldg, Chicago, Ill.
**Leavitt Mfg. Co.** ("Soil Feeder"), Urbana, Ill.
**McWhorter Mfg. Co.**, Riverton, N. J.
**Ontario Drill Co., East Rochester, N. Y.**
**Peoria Drill & Seeder Co.** ("Peoria-Phosphatey"), Peoria, Ill.
**Richardson Mfg. Co.** ("Broadcast"), Worcester, Mass.
Southern Plow Co. ("Georgia" & "Victory"), Columbus, Ga.
**Sterling Mfg. Co.** ("Sterling"), Sterling, Ill.
**Towers & Sullivan Mfg. Co.** ("Roman," "Tip-Top," "Universal"), Rome, Ga.
**Wirtz & Hernlen** ("Farmer's Friend," "Richmond"), Augusta Ga.

## 3859—Ditcher, Grader & Loader Combined

**American Road Machinery Co., Kennett** Square, Pa.
Good Roads Machinery Co., Kennet Sq., Pa.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
**Snow T. W. Construction Co.** ("Bowman" Ditcher & Grader), 117 N Dearborn, Chicago, Ill.
**Western Wheeled Scraper Co., Aurora, Ill.**

## Ditching Machines

**See Ditching Machines in Machinery Lists; also Road Machines & Graders**

## 3860— Divers (Submarine)

**Boston Tow Boat Co., 111 Devonshire, Boston, Mass.**
Humphreys Geo. 575 Clinton, Brooklyn, N. Y.
Jenks Edward B. Co., 143 Liberty, New York
Larkin P. J., 3 Coenties Slip, New York
Merritt & Chapman Derrick & Wrecking Co., 17 Battery pl, New York
New York Submarine Cont. Co., 130 Pearl, New York
Phillips H. W., Quincy, Mass.
Scott T. A. Co., New London, Conn.

## 3861— *Dividers (Extension)

**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

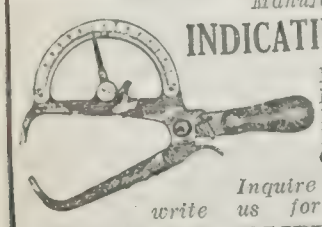
## 3862— *Dividers (Spring)

Goodell-Pratt Co., Greenfield, Mass.
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 3863—Dividers (Wing & Extension)

**See also Compresses; also Calipers & Dividers**

**Athol Machine Co.** ("Premier" & "A. M. C."), Athol, Mass.
Goodell-Pratt Co. (Spring), Greenfield, Mass.
Indicating Calipers Co., 506 E 19th, New York *See adv index at end of book*

*Manufacturers of*
**INDICATING CALIPERS**

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Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Schollhorn Wm. Co. ("Excelsior"), New Haven, Conn.
Tolman I. W. ("Cook's" & "Copelands" Steel Extension), Worcester, Mass.
Union Tool Co., Orange, Mass.

## 3864— Diving Apparatus

**Hale, Alfred Rubber Co., 17 Covington, S B, Boston, Mass.**
Johnson A. W. V., Merchts. Exchange, San Francisco, Cal.
Merrill-Stevens Shipbuilding Corp., Jacksonville, Fla.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Schrader's A. Son, Inc., Brooklyn, N. Y.

## 3865— Dobby Pegs

Nelson Rivet Co., Taunton, Mass.

## 3866— Dock Builders

**See also Contractors, Pile Driving**

### CALIFORNIA.

**SAN FRANCISCO—City Street Improvement Co., 3001 17th**
**Healy-Tibbitts Construction Co., 9 Main**
Hyde, Harjes & Co., 110 Market
**San Francisco Bridge Co., Nevada Bank bldg**

### CONNECTICUT.

BRIDGEPORT — Bridgeport Dredge & Dock Co.
Hubbell W. W. Co., 886 Main
Toole & Sunderlin, Warner bldg
NEW HAVEN—Alling Wm. H. & Co.
New Haven Rigging Co.
Waterhouse Charles R., Jr., 74 Park
NEW LONDON—Davidson Richard C.
Scott T. A. Co.

### DELAWARE.

WILMINGTON—Wills F. K. Co.

### GEORGIA.

**SAVANNAH—Ross P. Sanford (Br. of Jersey City, N. J.), 16 Bryan, E**

### ILLINOIS.

**CHICAGO—Fitzsimmons & Connell Dredge & Dock Co., 10 S La Salle**
**Great Lakes Dredge & Dock Co., 104 S Michigan av**
**Kearns T. A. Co., 343 S Dearborn**

### MAINE.

BANGOR—Spellman James F. & Sons Co.
PORTLAND—Bennett Contracting Corp.
WOOLWICH—Carlton F. W.

### MARYLAND.

**BALTIMORE—Empire Engineering Co., Bourse bldg.**
McLean Contracting Co., Fidelity bldg
**Sanford & Brooks Co., Water & Commerce**

### MASSACHUSETTS.

**BOSTON—Ellis W. H. & Son Co., 479 Meridian**
**Hersey A. A., 362 Border E. B.**
**Lawler Bros., 16 City sq, Ch's'n**
Miller Wm. L., Ch's'm
**Norton W. A. Co., 285 Dorchester av**
Rendle W. S., E B
**CAMBRIDGE—Scully Jno. T. Foundation**
GLOUCESTER—Hall Bros.

### MICHIGAN.

DETROIT—Candler Dock & Dredge Co., Moffat bldg
Dupuis A. J. Co., Ford bldg
Ginzel John Co., Buhl blk
MARQUETTE—Powell & Mitchell
SAULT SAINTE MARIE—Great Lakes Dredge & Dock Co. (Br. of Chicago, Ill.)

### MINNESOTA.

DULUTH—Duluth-Superior Dredging Co.
Great Lakes Dredge & Dock Co. (Br. of Chicago, Ill.)

### MISSOURI.

**ST. LOUIS—STEWART JAMES & CO., INC.**, Boatmen's Bank bldg

### NEW JERSEY.

**ELIZABETH—N. J. Dock & Bridge Bldg. Co., Dix bldg**
**HACKENSACK—Long F. R.-W. G. Broadhurst Co.**
**JERSEY CITY—Ross P. S., 277 Washington**
**Stillman-Delanty-Ferris Co., 26 Exchange pl**
LONG BRANCH—Melee Owen J.

### NEW YORK.

ALBANY—Dyer Jno., Jr., 6 S Pearl
BUFFALO—Buffalo Dredging Co., Morgan bldg
Burgard Henry P Co., 1968 Filmore av
Chesley, Earl Heimbach, Inc., 20 Breckenbridge
**Horton D. E. Construction Co., Marine Nat Bank bldg**
Lake Erie Dredging Co., Morgan bldg
KINGSTON—Powley Jos. L. Son
NEWBURGH—Parrott Richard
Parrott Wm.

### NEW YORK CITY.

**Borough of Brooklyn.**

**BROOKLYN—Cronin Barth S. Co., 573 Clinton**
**Humphreys George, 575 Clinton**
Walsh Geo. J., 446 47th
**Walsh John D., Inc., 397 Hancock**

**Boroughs of Manhattan and Bronx.**

**NEW YORK—Empire Eng. Co., 6 Church**
**Foundation Co. (Engineers & Contractors, Concrete Piles & Steel & Wooden Sheetings), 233 B'way.**
**General Contracting & Engineering Co., 29 B'way**
**Hazell A. M., Inc., 26 Cortlandt**
**Hood R. H. Co., 111 B'way**
**Jenks Edward B. Co., 143 Liberty**
McMullen Arthur Co., 149 B'way
**Monks John & Son, 82 Beaver**
**N. Y. Submarine Contracting Co., 130 Pearl**
**Phoenix Construction Co., 41 Park Row**
**RAYMOND CONCRETE PILE CO.** (Concrete), 140 Cedar
**Rhodes & Manvel, 90 West**
**Riverside Contracting Co., 39 Cortlandt**
**Rogers Geo W. & Co., 29 B'way**
**Rolf Bernard, 39 Cortlandt**
Schwiers F. W. Jr. Co., 90 West
Spearin & George B., 90 West
**Spooner Allen N. & Son, Pier 11, N. R.**
**STEWART JAS. & CO. (INC.), 30 Church**
**Tilley Harry H., 258 E 138th**

**Borough of Queens.**

**LONG ISLAND CITY—Degnon Contracting Co., 68 Hunters Pt. av**

**Borough of Richmond.**

**PORT RICHMOND—Conklin Bros., 2080 Richmond ter**
NORTH TONAWANDA—Empire Engineering Co.

### OHIO.

**CLEVELAND—American Construction Co.** (Also Intake Pipes, Outlet Sewers, & Breakwater Works), Marion bldg.
**Cleveland Dock Engineering Co., Citizens bldg**
**Fath Construction Co., 5103 Euclid av**
**liamson bldg (Br. of Chicago, Ill.)**
**Great Lakes Dredge & Dock Co., Wi-**
**Hunkin-Conkey Construction Co., Cuyahoga bldg**
**Strong C. H. & Son, Swetland bldg**

### PENNSYLVANIA.

**PHILADELPHIA—American Dredging Co., Mariner & Merchant bldg**
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MILWAUKEE—Gillen Edw. E. Co., Wells bldg
SUPERIOR—Whitney Bros. Co.

## 3867—Doctors & Feeds (Calender)

Dillon Machine Co., Lawrence, Mass.

## 3868-9— Dogs (Bench)

Stortz John & Son, 210 Vine, Phila., Pa.

## 3870— Dogs (Chain)

Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.

## 3870a— *Dogs (Clamp)

See also Dogs, Lathe

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## 3871— Dogs (Die)

Billings & Spencer Co. (Drop Forged), Hartford, Conn.

## 3872— Dogs (Lathe)

Armstrong Bros. Tool Co. ("Armstrong"), 339 N Francisco av, Chicago, Ill.
Besly Chas. H. & Co. (Heavy Steel), 120 N Clinton, Chicago, Ill.
Billings & Spencer Co. (Drop Forged Safety), Hartford, Conn.
**BONNEY VISE & TOOL WORKS** ("Indispensable" Light & Heavy Steel and Safety), Allentown, Pa. *See adv index at end of book*
Channon Jas. H. Mfg Co., 227 W Erie, Chicago, Ill.
Chester Steel Castings Co., Chester, Pa.
Efficiency Device Corpn., 199 8th, Long Island City, N. Y.
Fowler Lamp & Mfg. Co. ("Fowler" Adjustable Center Crankshaft), 59 E 24th, Chicago, Ill.
Harris Samuel & Co. ("Harris"), 114 N Clinton, Chicago, Ill.
Hill M. B. Mfg. Co., Worcester, Mass.
Le Count Wm. G., South Norwalk, Conn.
Michaud Elmer J., Willimantic, Conn.
Mark Mfg. Co., Evanston, Ill.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Oneida National Chuck Co., Oneida, N. Y.
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Ready Tool Co. ("Hill"), Bridgeport, Conn.
Union Lathe Wks., York, Pa.
Union Tool Co. ("Hill" Drop Forged), Orange, Mass.
West Steel Castings Co., 805 E 70th, Cleveland, O.
Williams J. H. & Co. ("Vulcan" Safety Drop-Forged), 31 Richards, Brooklyn, N. Y.
Yost Mfg. Co., Meadville, Pa.

## 3873—Dogs (Milling Machine)

Irvington Mfg. Co., Irvington, N. J.
Ready Tool Co. ("Ready" Compensating), Bridgeport, Conn.
Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## 3874— Dogs (Pinch)

(For Foundry Use)

Diamond Clamp & Flask Co., Richmond, Ind.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Shanafelt Mfg. Co., Canton, O.
Wellman Products Co., 1444 E 49th, Cleveland, O.

## 3875—Dogs (Rafting & Lumber)

American Logging Tool Co., Evart, Mich.
Anderson Forge & Machine Co., Detroit, Mich.
Bethlehem Steel Co., So Bethlehem, Pa.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Nixdorff-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
Warren Axe & Tool Co., Warren, Pa.

## Dogs (Ring)

See Dogs, Rafting & Lumber

## 3876-7— Dogs (Saw Mill)

American Saw Mill Machinery Co. ("American" Giant Duplex & "Knight's"), Hackettstown, N. J.
Atkins E. C. & Co., Indianapolis, Ind.
Diamond Iron Works ("Diamond & Dittenbenner"), 2nd & 18th av, N Minneapolis, Minn.
Farquhar A. B. Co. (Ltd.), York, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Frick Co., Waynesboro, Pa.
Garland M. Co. (Double Grip), Bay City, Mich.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Hinds Thos. Co., Malone, N. Y.
Ireland Machine & Foundry Co., Norwich, N. Y. *See adv index at end of book*
Knight Mfg. Co., Canton, O.
Lane Mfg. Co., Montpelier, Vt.
Lippert E. T. Saw Co., Millvale, Pa.
Peavey Mfg. Co. ("Peavey"), Bangor, Me.
Phoenix Mfg. Co., Eau Claire, Wis.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
SINKER-DAVIS CO., Indianapolis, Ind.
Soule Steam Feed Works, Meridian, Miss.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Co., Erie, Pa.
Wheland Co., Chattanooga, Tenn.

## Dogs (Timber)

See Dogs, Rafting & Lumber

## 3878— Doilies (Paper)

Am. Lace Paper Co., 419 3rd, Milwaukee, Wis.
Dennison Mfg. Co., 15 John, New York
Embree Co., Buena Vista, Va.
Japanese Tissue Mills (Paper), Holyoke, Mass.
Milwaukee Lace Paper Co. ("Peerless"), 350 Lee, Milwaukee, Wis.
Royal Lace Paper Wks., 842 Lorimer, B'klyn, N. Y.

## 3879—Dollies (Bridge Builders')

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Stanley Rule & Level Co. (Atha Div.), New Britain, Conn.

## 3880— Dollies (Lumber)

Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y. *See adv index at end of book*
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clark J. R. Co., 2nd av N & Aldrich, Minneapolis, Minn.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Kilbourne & Jacobs Mfg. Co., Columbus, O. *See adv index at end of book*
Lansing Co., Lansing, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.
Soule Steam Feed Works, Meridian, Miss.
Standard Scale & Supply Co., Ltd. (Timber), 1631 Liberty av., Pittsburgh, Pa. *See adv index at end of book*
Western Wheel Barrow Mfg. Co., South Fort Smith, Ark.

## 3881— Dollies (Riveting)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 3882—Dollies (Tinners' & Roofers')

Emrich Phil., 824 Main, Cincinnati, O.

## Dollies (Timber)

See Dollies, Lumber

## 3882a— Dolomite

Basic Products Co., Oliver bldg, Pittsburgh, Pa.
Dolomite Products Co., 1110 Euclid av, Cleveland, O.
Iron Trade Products Co. (Crude & Burnt), Farmers bldg, Pittsburgh, Pa.
Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
Kennedy Refractories Co., Bettsville, O.
National Sales & Trading Co. (Raw & Burnt), Cleveland, Ohio
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.
Woodville Lime Products Co., 622 Madison av, Toledo, O.

## 3883— Door Bumpers

Andrews Mfg. Co. (Bare Knobs), 413 Commerce, Phila., Pa.
Champion Hardware Co. ("Champion" Metallic), Geneva, O.
Columbus Brass Co., 538 Dublin, av, Columbus, O.
*See adv index at end of book*
Diehl Novelty Co. ("Walds"), Glenbeulah, Wis.
Elastic Tip Co., 370 Atlantic av, Boston, Mass.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Gallup Ruffing Handle Co. (Wood), Norwalk, O.
Griffin Mfg. Co., Erie, Pa.
Hart Sash Holder Co. (Automatic Bumper & Holder), Lexington, Mo.
Lawrence Bros., Sterling, Ill.
Penn Hardware Co., Reading, Pa.
S. & I. Co (Ash, Birch & Maple), Springfield, Mass.
Shelby Spring Hinge Co., (Also Screen Doors), Shelby, O.
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book*
STILES H. A. & CO., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Windham Handle Co., South Windham, Conn.

## 3884-5—Door Check & Spring Mfrs.

See also Springs, Door

Automatic Door Catch Co. ("Little Tiger" Automatic), Harvey, Ill.
Banker Mfg. Co. ("Invisible"), New Brunswick, N. J.
Barnett Foundry & Mach. Co. ("Barnett Pneumatic") Lyons av., Irvington, N. J.
Bayer Gardner-Himes Co. ("Awl-In-One" Checking Spring Hinge), 101 Park av, New York
Bommer Spring Hinge Co., 263 Classon, Brooklyn, N. Y.
Caldwell Mfg. Co. (Checks, "Dime," "Caldwell"), Rochester, N. Y.
Corbin P. & F., New Britain, Conn.
Dunn Mfg. Co., Mankato, Minn.
Norton Door Check Co., 904 W Lake, Chicago, Ill.
Pullman Mfg. Co. (Door Checks, "Pullman"), Rochester, N. Y.
Reading Hardware Co. ("Reading"), Reading, Pa.
Rixson Oscar C. Co. ("Rixson" Liquid, Single & Double Acting), 501 S Jefferson, Chicago, Ill.
Russell & Erwin Mfg. Co. ("Russwin" Liquid), New Britain, Conn.
Sargent & Co. ("Sargent", Liquid, "Eclipse"), New Haven, Conn.
Stanley Works ("Perfect"), New Britain, Conn. *See adv index at end of book*
Stronach Door Check Co., 618 S Canal, Chicago, Ill.
Upson Nut Co., Cleveland, O.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Worcester Mfg. Co. ("Blount Improved"), Worcester, Mass.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 3886—Door Frames (Wrought Iron, Welded Corners)

Braun J. G., 609 S Paulina, Chicago, Ill.

## 3887— Door Hangers

Allith-Prouty Co. ("Reliable" Roller Bearing), Danville, Ill.
Bridgeport Hardware Mfg. Corp. ("Perfect"), Bridgeport, Conn.
Burkhardt John (Bronze), 531 W 55th, New York
Chisholm-Moore Mfg. Co., 5046 Lakeside, Cleveland, O.
COBURN TROLLEY TRACK MFG. CO. (Slidings "Coburn"), P. O. Box 127, Holyoke, Mass.
Coleman Hardware Co. (Barn), 122 S Michigan av, Chicago, Ill.
Diamond Door Hanger Co. ("Diamond" Tubular Ball Bearing), 28 Rodney, Brooklyn, New York
Dix Mfg. ("Dix" Noiseless), 400 E Eager & Fallsway, Baltimore, Md.
Frantz Mfg. Co., Sterling, Ill.
Harris & Reed (Ball Bearing), 1500 W 15th, Chicago, Ill.
Hunt, Helm, Ferris & Co. ("Cannon Ball"), Harvard, Ill.
Lane Bros. Co. (Auditorium, Barn, Fire, Garage, Parlour, Warehouse, etc.), Poughkeepsie, N. Y.
Lawrence Bros. (General), Sterling, Ill.
Louden Machinery Co., Fairfield, Ia.
McCabe Hanger Mfg. Co. ("McCabe" Ball-Bearing & Tubular), 426-428 W 25th, New York *See adv index at end of book*
McKinney Mfg. Co. (Barn Door), Liverpool & Metropolitan, Pittsburgh, Pa.
Martin S. B. ("Martin's"), Dalton, O.
MYERS F. E. BRO. ("Giant Tubular," "Stayon," "Sure Grip," "O. K."), 900 Fourth, Ashland, O.
*See adv index at end of book*
National Mfg. Co. ("Silent"), Sterling, Ill.
National Mill & Lumber Co. ("Pitcher"), 5th & Bryant, San Francisco, Cal.
National Supply & Mfg. Co. ("National"), 2362 Palm, St. Louis, Mo.
Newhall Henry B., 89 West, New York
Penn Hardware Co., Reading, Pa.
Porter J. E. Co., Ottawa, Ill.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co. (Residence, Flats, Apartments, "Hero," "Palace," "LeRoy," "Royal," "Advance," "Rambler," "Simplex," "Model," "Champion"), Aurora, Ill.
Richey, Browne & Donald (Crescent), Flushing av, Maspeth, New York
Richmond Safety Gate Co., Richmond, Ind.
Safety Door Hanger Co. ("World's Best," "Red Rib" & "Wizard" Adjustable), Ashland, O.
St. Louis Car Co. (Adjustable), 8000 N B'way, St. Louis, Mo.
Sharon Hardware Mfg. Co. ("Sharon" No. 75 Storm Proof), Sharon, Pa.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.
Stowell Co., The ("Wilbern Adjustable"), South Milwaukee, Wis.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.
Wagner Mfg. Co. ("Wagner Leader"), Cedar Falls, Ia.
Whitaker Mfg. Co. ("Whitaker"), 409 S Green, Chicago, Ill.
Wrightsville Hdwre. Co., Wrightsville, Pa.

## 3888—Door Hangers (Accordion or Folding)

Allith-Prouty Co. ("Allith"), Danville, Ill.
McCabe Hanger Mfg. Co. ("McCabe"), 426-428 W 25th, New York
*See adv index at end of book*
Ogden J. Edward Co., 147 Cedar, New York

## 3889—Door Hangers (Adjustable)

McCabe Hanger Mfg. Co., 426-428 W 25th, New York *See adv index at end of book*
MYERS F. E. BRO., 900 Fourth, Ashland, O.
*See adv index at end of book*
St. Louis Car Co. (Car), 8000 N B'way, St. Louis, Mo.

## 3890—Door Hangers (Auditorium)

COBURN TROLLEY TRACK MFG. CO. (Slidings "Coburn"), P. O. Box 127 Holyoke, Mass.
Lane Bros. Co., Poughkeepsie, N. Y.
McCabe Hanger Mfg. Co., 426-428 W 25th, New York *See adv index at end of book*
Richards-Wilcox Mfg. Co. ("Richards" Folding), Aurora, Ill.
Sharon Hardware Mfg. Co., Sharon, Pa.

## 3891—Door Hangers (Barn or Warehouse)

Alco Foundry & Machine Co. (Barn), Hillsdale, Mich.
Allith-Prouty Co. ("Allith" & "Reliable," Roller Bearing), Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Chisholm - Moore Mfg. Co. (Warehouse Only), 5046 Lakeside, Cleveland, Ohio
COBURN TROLLEY TRACK MFG. CO. ("Coburn"), P. O. Box 127, Holyoke, Mass.
Frantz Mfg. Co. ("Glide"), Sterling, Ill.
Hunt, Helm, Ferris & Co. ("Star," "U. S.," "Giant," "Knoxall," "20th Century," Plain & Ball Bearing, Harvard, Ill.
Hurst H. L. Mfg. Co.
Lane Bros Co., Poughkeepsie, N. Y.
Lawrence Bros. ("Lawrence" Trolley, "Cyclone," "Clipper," "Union," "New Giant," "King Bee," "Cleveland," "Century," "Hummer," "Peerless," "Sterling," "Electric," also Parlor Door), Sterling, Ill.
Louden Machinery Co. ("Louden," "Royal"), Fairfield, Ia.
McCabe Hanger Mfg. Co. ("McCabe" Ball-Bearing, etc), 426-428 W 25th, New York *See adv index at end of book*
McKinney Mfg. Co. ("Keystone"), Liverpool & Metropolitan, Pittsburgh, Pa.
Martin S. B. ("Martin Wonder," "Bird," "Channel"), Dalton, O.
MYERS F. E. & BRO. ("Faultless" "Myers' Adjustable Tandem," "O. K." & "Stayon" Flexible, "Sure Grip" Flexible, "Sure Grip" Tandem Flexible, 'Sure Grip" Adjustable Tandem, "O. K. Adjustable," "New Way" Tubular, & "Giant Tubular," "Faultless" Self-Cleaning Garage), 800 Fourth, Ashland, O.
*See adv index at end of book*
National Mfg. Co. ("National," "Big 4," "Stormproof," "National"), Sterling, Ill.
Newhall Henry B., 89 West, New York
Ney Mfg. Co., Canton, O.
Ogden J. Edward Co., 147 Cedar, New York
Penn Hardware Co., Reading, Pa.
Porter J. E. Co. ("Tonado," "Whirlwind," "Can'tgetoff" & "Porter's"), Ottawa, Ill.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co. ("Richards," Ball Bearing, "Acme," "Ajax," "Duplex," "Everson," "Gem," "Richards Boss," "Richard Peerless," "King," "Samson," "Standard," "Superior," "Sure-On," "U. S.," "Victor," "World," "Expansion," "Jumbo," "Hercules," "New Jap," "Nero," "Erie," "L. T.," "O. K.," "Wilcox," "Wilcox-Tandem," "Wilcox Stay-on," "Wilcox World Wide" Roller Bearings), Aurora, Ill.
Richey, Browne & Donald ("Crescent"), Flushing av, Maspeth, New York
Richmond Safety Gate Co., Richmond, Ind.
Safety Door Hanger Co. ("Safety," "Storm King," "World's Best," "U. S. Standard," "Wizard" Adjustable, "Red-Rib"), Ashland, O.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. ("Sharon Trolley," "Common," "Big Ben," No. 75 Storm Proof), Sharon, Pa.
Souther E. E. Iron Co. ("Run Easy"), Klenlin & Hamburger, St. Louis, Mo.
Stowell Co., The ("Wilbern," "Wilbern Adjustable"), So. Milwaukee, Wis.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.
Swineford G. A. Co. ("Hinge-Stay-On"), Canton, O.
Taylor & Boggis Foundry Co., Cleveland, O.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.
Wagner Mfg. Co. ("Wagner Leader"), Cedar Falls, Ia.
Whitaker Mfg. Co. ("Whitaker"), 409 S Green, Chicago, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

## 3892— Door Hangers (Car)

Chisholm-Moore Mfg. Co. ("Moore's Baggage Door"), 5046 Lakeside, Cleveland, O.
Jones Car Door Co., Monadnock blk, Chicago, Ill.
McCabe Hanger Mfg. Co. ("McCabe" Ball-Bearing, etc), 426-428 W 25th, New York *See adv index at end of book*
Newhall Henry B., 89 West, New York
Reliance-Grant Elevator Equipt. Corp. ("Reliance"), 101 Madison av, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Stowell Co., The ("Stowell," "Wilbern Adjustable," "Moore"), So Milwaukee, Wis.

## 3893—Door Hangers (Elevator)

Chisholm-Moore Mfg. Co. ("Moore's," Anti-Friction Roller Bearing), 5046 Lakeside, Cleveland, O.
Grant Pulley & Hardware Co. ("Diamond"), 101 Park av, New York.
McCABE HANER MFG. CO. "(McCabe" Ball-Bearing, etc), 426-428 W 25th, New York *See adv index at end of book*
MYERS F. E. & BRO, 900 Fourth, Ashland, O. *See adv index at end of book*
Newhall Henry B., 89 West, New York
Reliance-Grant Elevator Equipt. Corp. ("Reliance"), 101 Madison av, New York
Richards-Wilcox Mfg. Co. ("Ideal," "Invincible" Ball & Roller Bearing), Aurora, Ill.
Richmond Safety Gate Co., Richmond, Ind.
SMITH F. P. WIRE & IRON WORKS 3340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Stowell Co., The ("Wilbern Adjustable" Loose Axle & Roller Bearing), S. Milwaukee, Wis.

## 3894— Door Hangers (Fire)

Allith-Prouty Co. ("Allith" & "Prouty," "Reliable" Roller Bearing), Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Brewer Bros. Co. (Sliding), 2nd & Somerset, Phila., Pa.
California Fire Proof Door Co. ("Wilcox"), Los Angeles, Cal.
Lane Bros. Co., Poughkeepsie, N. Y.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
MYERS F. E. & BRO., 900 Fourth, Ashland, O. *See adv index at end of book*
Newhall Henry B., 89 West, New York
Peters Jas. & Son (Sliding), 1934 N Front, Phila., Pa.
Richards-Wilcox Mfg. Co. (Roller Bearing, also Fixtures), Aurora, Ill.
Richmond Safety Gate Co., Richmond, Ind.
Stowell Co., The ("Wilbern Adjustable," "Underwriters"), S Milwaukee, Wis.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.

## Door Hangers (Garage)

See Hangers, Garage Door

## 3894a—Door Hangers (No-Track-Sliding)

COBURN TROLLEY TRACK MFG. CO. ("Coburn"), P. O. Box 127, Holyoke, Mass.

## 3895—Door Hangers (Parlor)

Allith-Prouty Co. ("Prouty" Roller Bearing, Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
COBURN TROLLEY TRACK MFG. CO. (Sliding "Coburn"), P. O. Box 127, Holyoke, Mass.
Dix Mfg. Co. ("Dix" Noiseless), 400 E Eager, Fallsway, Balitmore, Md.
Hunt, Helm, Ferris & Co. ("Cannon Ball," Roller Bearing), Harvard, Ill.
Lane Bros. Co. ("Lanes Standard"), Poughkeepsie, N. Y.
Lawrence Bros. ("Easy," "Lawrence," "Cyclone," "City," Accordion New Electric Six), Sterling, Ill.
Luitink & Sons Mfg. Co., 775 18th, Milwaukee, Wis.
McCabe Hanger Mfg. Co. ("McCabe" Ball-Bearing etc), 426-428 W 25th, New York *See adv index at end of book*
National Mfg. Co. ("Silent"), Sterling, Ill.
National Supply & Mfg. Co. ("National"), 2362 Palm, St. Louis, Mo.
Newhall Henry B., 89 West, New York
Richards-Wilcox Mfg. Co. (Trolley, Ball & Roller Bearing, etc.), Aurora, Ill.
Richey, Browne & Donald (Crescent), Flushing av, Maspeth, New York
Sharon Hardware Mfg. Co. ("Sharon"), Sharon, Pa.
Wagner Mfg. Co. ("Wagner Leader"), Cedar Falls, Ia.

## 3896—Door Hangers (Sliding or Folding)

Allith-Prouty Co. ("Reliable"), Danville, Ill.
Lane Bros. Co., Poughkeepsie, N. Y.
McCabe Hanger Mfg. Co. (Ball-Bearing & Tubular), 426-428 W 25th, New York *See adv index at end of book*
MYERS F. E. & BRO. ("Giant Tubular" "Sayton," "Fautless" Garage), 900 Fourth, Ashland, O. *See adv index at end of book*
Newhall Henry B., 89 West, New York.
Ogden J. Edward Co., 147 Cedar, New York
Pacific Tank & Pipe Co. ("Pitcher" Sliding), 318 Market, San Francisco, Cal.
Reliance-Grant Elevator Equipt. Corp. ("Reliance"), 101 Madison, New York
Richey, Browne & Donald (Crescent), Flushing av, Maspeth, New York
Richmond Safety Gate Co., Richmond, Ind.
Sharon Hardware Mfg. Co., Sharon, Pa.

## 3897—Door Hangers (Trolley Track)

Allith-Prouty Co., Danville, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Frantz Mfg. Co. ("Glide"), Sterling, Ill.
McCABE HANGER MFG. CO., 426-428 W 25th, New York *See adv index at end of book*
MYERS F. E. & BRO., 900 Fourth, Ashland, O. *See adv index at end of book*
Newhall Henry B., 89 West, New York
Richards-Wilcox Mfg. Co., Aurora, Ill.
Sharon Hardware Mfg. Co. ("Penn," "Flying Dutchman," "B. B." "Sharon"), Sharon, Pa.
Wagner Mfg. Co. ("Wagner Leader"), Cedar Falls, Ia.

## 3898— Door Holders

See also Door Stops

Bolles Wm. B. (Automatic Locks & Latches), P. O. Box 600, M Milwaukee Wis. *See adv index at end of book*
Brainerd Mfg. Co., East Rochester, N. Y.
Champion Hardware Co ("Champion"), Geneva, O.
Griffin Mfg. Co. (Garage), Erie, Pa.
Neal B. B. Hardware Co. ("Minn"), 117 Leonard, New York
STANLEY WORKS, (Garage Wrought Steel), New Britain, Conn. *See adv index at end of book*

## 3899—Door Jambs (Drawn Steel)

Braun J. G., 609 S. Paulina, Chicago, Ill.
Mesker Bros. Iron Co. (Drawn), 421 S 6th, St. Louis, Mo.
Withers Foundry & Machine Works, Atlanta, Ga.
Zahner Metal Sash & Door Co., Canton, O.

## 3900—Door Knobs (Brass & Bronze)

Art Hardware & Mfg. Co., Seattle, Wash.
Barrows Lock Co., Lockport, Ill.
Corbin P. & F., New Britain, Conn.
Pacific Hardware Mfg. Co., Los Angeles, Cal.
Sager Lock Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schroder J. B. & Co. 133 E 5th, Cincinnati, O.

## Door Knobs (Common)

See Locks & Knobs

## Door Knobs (Glass)

See Knobs, Glass

## 3901—Door Knobs (Screwless)

Corbin P. & F., New Britain, Conn.
Mousley's Chas. Sons, 457 N 12th, Phila., Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co. (All Kinds), New Haven, Conn.

## Door Knobs (Wood)

See Knobs, Wood

## 3902—Door Knockers (Colonial)

Boston Brass Andiron Co., 104 Utica, Boston, Mass.
Elm City Brass & Rivet Co., Plainville, Conn.
Penn Hardware Co., Reading, Pa.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.

## 3903—Door Openers (Electric)

Bunnell J. H. & Co., 32 Park pl, New York
Corbin P. & F., New Britain, Conn.
Edwards & Co., Exterior av & 140th, New York
Keil Francis & Son, 401 E 163d, New York
Manhattan Electrical Supply Co., 17 Park pl, New York *See adv index at end of book*
Mueller M., 18 Devonshire, Boston, Mass.
Ostrander W. R. & Co., 371 B'way, New York
Partrick & Wilkins Co., 51 No 7th, Phila., Pa.
Richards-Wilcox Mfg. Co. (Garage Doors & Closers), Aurora, Ill.
Schneider John S., Ridgefield, Conn.
Standard Lock Co. ("Champion"), 113 Himrod, Brooklyn, N. Y.
Wilhelm Henry, 70 Frost, Brooklyn, N. Y.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 3904-5—Door Opening & Closing Device (Pneumatic)

Consolidated Car Heating Co. (For Cars), Albany, N. Y.
National Pneumatic Co., Inc., 50 Church, New York

## 3906— Door Stops

Aurora Door Hanger & Specialty Co., Aurora, Ill.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York. *See adv index at end of book*
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Brohard Co. ("Brohard" Holders), 3rd & Lehigh, Phila., Pa.
Caldwell Mfg. Co. ("The Empire" & "Caldwell" Door Holder), Rochester, N. Y.
Champion Hardware Co. ("Champion" Floor), Geneva, O.
Chapin-Stephens Co., Pine Meadow, Conn.
Columbus Brass Co, 538 Dublin av, Columbus, O. *See adv index at end of book*
Corbin P. & F., New Britain, Conn.
Dent Hardware Co. (Stops & Holders), Fullerton, Pa.
Detroit Shipbuilding Co. (Brass Dept.), ft. Orleans, Detroit, Mich.
Enterprise Hardware Mfg. Co., Frederick, Md.
Estes E. B. & Sons, 364 5th av (Wood), New York. *See adv index at end of book*
Gallup Ruffing Handle Co., Norwalk, O.
Griffin Mfg. Co. (Garage Door Holder), Erie, Pa.
Hardware Supply Co., Grand Rapids, Mich.
Highton Wm. & Sons Co., Nashua, N. H.
Hubley Mfg. Co. (Fancy), Lancaster, Pa.
Ives H. B. Co., New Haven, Conn.
Judd R. D., New Britain, Conn.
National Mfg. Co. (Door Holder), Sterling, Ill.
North Wales Machine Co. ("North Wales" Door Holder), North Wales, Pa.
Norwalk Lock Co., South Norwalk, Conn.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Piqua Handle & Mfg. Co. (Wood), P. O. Box 307, Piqua, O.
Racine Metal Stamping Co. (Also Holders), Racine, Wis.

# DAHLSTROM METALLIC DOOR CO.

## PIONEERS AND ORIGINATORS OF HOLLOW METAL DOORS AND INTERIOR TRIM

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AGENCIES IN ALL PRINCIPAL CITIES

DOOR STOPS—continued
Reading Hardware Co., Reading, Pa.
Rixson Oscar C. Co. ("Rixson" Floor Check), 501 S Jefferson, Chicago, Ill.
Rostand Mfg. Co. ("Rostand" Brass & Iron), Milford, Conn.
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Sargent & Co. (Door Holders), New Haven, Conn.
Shelby Spring Hinge Co. (Door Holders for Garage Doors), Shelby, O.
**STANLEY WORKS** (Wrought Steel Door Holder), New Britain, Conn.
*See adv index at end of book*
Sterling Foundry Co. (Automatic Door Holder), Sterling, Ill.
**STILES H. A. & CO.** ("Hasco" Brand Base Knobs), 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Strock L. W. & Co. (Wood), Bethlehem, Pa.
Superior Spring Hinge Co. ("Superior" Door Holder), 136 W Lake, Chicago, Ill.
Union Hardware Co., Torrington, Conn.
Weber-Knapp Co., Jamestown, N. Y.

### 3907— *Doors (Art Metal)

See also Bronze Doors; also Doors, Metal Entrance
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*

### 3908— Doors (Asbestos)

See also Asbestos Building Lumber
Alignum Fireproof Products Co. Inc., So River, N. J. & 356 Lexington av, New York.
*See adv index at end of book*

### 3909— Doors (Ash-Pit)

**Adams Co.**, Dubuque, Ia.
American Scale Co., Kansas City, Mo.
Bayley Wm. Co., Springfield, O.
Bignall Co., Medina, N. J.
Burr Co., Champaign, Ill.
**Canton Foundry & Machine Co., Canton, O.**
**Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.**
Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Covert H. W. Co., 137 E 46th, New York.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Donaldson Bros., Mount Clemens, Mich.
Donley Bros. Co. (The), 3625 E 74th, Cleveland, O. *See adv index at end of book*
Gehl Bros. Mfg. Co., West Bend, Wis.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Hastings Foundry & Iron Works, Hastings, Neb.
**JACKSON EDWIN A. & BRO., INC.**, 50 Beekman, New York.
*See adv index at end of book*
Jardine Walter S. & Son Co. (Fireplace), 29 Central, Arlington Heights, Mass.
Klauer Mfg. Co., Dubuque, Iowa
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
Lucas A. & Sons (Cast Iron only), 1329 S Washington, Peoria, Ill.
Majestic Co. ("Majestic"), Huntington, Ind.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mostberger Iron Co., 878 S. Division, Buffalo, N. Y.
Quinn Wire & Iron Co., Boone, Ia.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.
Rock Island Mfg. Co., Rock Island, Ill.
Rohns Albert & Co., 193 Cass, Detroit, Mich.
St. Louis Wire & Iron Co., St. Louis, Mo.
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Sperry D. R. & Co., Batavia, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Stowell Co., The (also Flue), So Milwaukee, Wis.
Swett A. L. Iron Works, Medina, N. Y.
Western Iron & Foundry Co., Wichita, Kan.
Withers Foundry & Machine Works, Atlanta, Ga.

### 3909a—*Doors (Automatic Fire)

**KINNEAR MFG. CO.**, 716-766 Field av, Columbus, O.
*See adv index at end of book*
Richmond Safety Gate Co., Richmond, Ind.

### 3910— Doors (Bakers' Oven)

Albrecht Francis J. (Automatic with Illuminating Connection), 1146 Penn av, Pittsburgh, Pa.
Dutchess Tool Co., Fishkill on the Hudson, N. Y.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
Mills Thos. & Bro., 8th & Thompson, Phila., Pa.
Robson Chas. & Co. ("Vienna" Patent), 8th & Washington av, Phila., Pa.
Sperry D. R. & Co., Batavia, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Watkins Jas. Y. & Son, 20 Catharine, New York
Western Iron & Foundry Co., Wichita, Kan.

### 3911— Doors (Balance)

Jackson Wm. H. Company, 2-4-6 W 47th, New York

### 3912—Doors (Bronze & Iron)

Cincinnati Mfg. Co., Cincinnati, O.
**DAHLSTROM METALLIC DOOR CO.** (Hollow Metal), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
**Ellison Brass Mfg. Co. (Bronze), Jamestown, N. Y.**
Gorham Co., Architectural Bronze, 5th av & 36th, New York.
**Halsted Joseph Co.**, 1233 W Randolph, Chicago, Ill.
**HEATH J. S. CO.**, Franklin & Ontario, Chicago, Ill *See adv index at end of book*
Jackson Wm. H. Company, 2 W 47th, New York

Lasar Ornamental Iron Co., 16th & O'Fallon St. Louis, Mo.
Manton & Smith Co., 1709 W Austin av, Chicago, Ill.
**Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.**
Michael's Art Bronze Co., Covington, Ky.
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.
**Zahner Metal Sash & Door Co., Canton, O.**

## 3912a—Doors (Bulkhead S. S.)

McNab Co. ("Stones Hydraulic"), Bridgeport, Conn. *See adv index at end of book*

## 3913— Doors (Canopy)

Ogden J. Edward Co., 147 Cedar, New York

## 3914— Doors (Cellar)

Canton Foundry & Machine Co., Canton, O.
Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Ernst C. K., Buffalo, N. Y.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
Lucas A. & Sons ("Flush Top" Wrought Steel), 1329 S Washington, Peoria, Ill.
Mansfield Steel Corp., 288 Milwaukee av, E. Detroit, Mich.
Mesker Bros. Iron Co., 421 S 6th St. Louis, Mo.
**MEYERS FRED. J. MFG. CO.** (Steel Patented), Hamilton, O.
***See adv index at end of book***
**Potts Mfg. Co. ("Potts"), Mechanicsburg, Pa.**
Remaly Mfg. Co., Tamaqua, Pa.
Riesick Iron Wks., 1201 Metropolitan, Pittsburgh, Pa.
St. Louis Wire & Iron Co. (Steel), St. Louis, Mo.
Schreiber L. & Sons Co. (Steel Patented), 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.

## 3914a— Doors (Chain Screen)

Codd E. J. Co. (For Heat Protection), 700 So. Carolina, Baltimore, Md.

## 3915— Doors (Cleanout)

**COVERT H. W. CO.,** 137 E 46th, N. Y.
Donley Bros. Co., 3625 E 74th, Cleveland, O.
*See adv index at end of book*
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
St. Louis Wire & Iron Co., St. Louis, Mo.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Stolz Jos. & Son, Inc. (Cast Iron & Steel), 841 E 136th, New York.
Western Iron & Foundry Co., Wichita, Kan
Withers Foundry & Machine Works, Atlanta, Ga.

## Doors (Coal Hole)

See Doors, Ash-Pit

## Doors (Coiling, Vertical)

See Partitions, Wood Rolling

## 3916— Doors (Cold Storage)

Brecht Co. (Cork Insulated), 1201 Cass av, St. Louis, Mo.
Ehrlich H. & Sons Mfg. Co., St. Joseph, Mo.
**Gloekler Bernard Co., 1127 Penn av, Pittsburgh, Pa.**
Jamison Cold Storage Door Co. ("Jones," "No-Equal"), Hagerstown, Md.
Jones R. E., "Victor," Hagerstown, Md.
National Refrigerators Co., 827 Koelin av, St. Louis, Mo.
**Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.**
***See adv index at end of book***
Stevens Benj. A. Co., Toledo, O.
Stevenson Cold Storage Door Co. (Air & Fireproof), Chester, Pa.
Victor Cooler Door Co., Hagerstown, Md.

## 3916a— *Doors (Composite)

**ALIGNUM FIREPROOF PRODUCTS CO., INC.,** So. River, N. J. & 356 Lexington av, New York.
*See adv index at end of book*

## 3917—Doors (Copper Covered)

See also Doors, Fire-Proof, Metal & Metal Covered

Alignum Fireproof Products Co. Inc., So. River, N. J. & 356 Lexington av, New York.
*See adv index at end of book*
Chesley A. C. Co., 275 Rider av, New York
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
**Thorp Fire Proof Door Co. ("Thorp-Richardson"), 1600-1610 Central av, Minneapolis, Minn.**
Vaile & Young, Ridgely & Bush, Baltimore, Md.

## 3917a— *Doors (Core Oven)

**KINNEAR MFG. CO.,** 716-766 Field av, Columbus, O.
*See adv index at end of book*

## 3918—Doors (Crane Runway)

Ogden J. Edward Co., 147 Cedar, New York

## 3919—Doors (Cypress, Wholesale)

Carr, Ryder & Adams Co., Dubuque Ia.
Curtis Bros. & Co., Clinton, Ia.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gordon, Vantine Co., Davenport, Ia.
Goshen Sash & Door Co., Goshen, Ind.
Lutcher & Moore Cypress Lumber Co., Ltd., Lutcher, La.
McClelland T. W. Co. (Wholesale Mfrs.) Davenport, Ia.
Riggs Cypress Co. (Ltd.), Patterson, La.
Rock Island Sash & Door Works, Rock Island, Ill.
Sanders Bros. Mfg. Co., Ottawa, Ill.
Selden Cypress Door Co., Palatka, Fla.
**STEARNS A. T. LUMBER CO.** (Retail), 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*

## 3919a—Door (Disappearing)

National Mill & Lumber Co., 5th & Bryant, San Francisco, Cal.

## 3920— Doors (Drop Fire)

Allith-Prouty Co. ("Reliable" Automatic Self-Closing), Danville, Ill.
Boughton Door Co. (Automatic Self-Closing), 311 Atlantic av, Boston, Mass.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Johnson Geo. W. Mfg. Co., 209 W 17th, Kansas City, Mo.
**KINNEAR MFG. CO.,** 716-766 Field av, Columbus, O.
*See adv index at end of book*

## 3921-2— Doors (Dry Kiln)

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Hussey John R., Indianapolis, Ind.
Johnson Geo. W. Mfg. Co., 209 W 17th, Kansas City, Mo.

## 3923— Doors (Elevator)

**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo av, Jamestown, N. Y.
***See adv index at end of book***
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Manton & Smith Co., 1709 W Austin av, Chicago, Ill.
Richmond Safety Gate Co., Richmond, Ind.
Steelite Co. (Bronze), 1902 W 77th, Cleveland, O.

## 3924—Doors (Elevator, Automatic)

See also Doors, Hatch, Automatic)

Bardsley Bros. Co., 151 Baxter, New York
**HANKE IRON & WIRE WORKS ("The Meeker"), 800 No. Albany av, Chicago, Ill.** ***See adv index at end of book***
Johnson Geo. W. Mfg. Co., St. Louis, Mo.
Kauman Walter Mfg. Co., 3258 Spring Grove av, Cincinnati, Ohio
**Kinnear Mfg. Co., Columbus, O.**
*See adv index at end of book*
Reedy H. J. Elevator Co. (Standard Styles), 15 W 2d, Cincinnati, O.
Saino F. L. Mfg. Co., Memphis, Tenn.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**WARNER ELEVATOR MFG. CO.,** Spring Grove av, Alfred & Valley, Cincin-
*See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

## 3925—Doors (Elevator, Automatic Fire)

See also Doors & Shutters, Fireproof; also Doors, Fire, Tin Clad

Alignum Fireproof Products Co., Inc., So. River, N. J., & 356 Lexington av, New York
***See adv index at end of book***
**Banner Iron Works, Shaw av & Oak Hill Ry, St. Louis, Mo.**
**Beckwith Elevator Co., 123 Pearl, Boston, Mass.**
**Boughton Door Co., 311 Atlantic av, Boston, Mass.**
**Brodie Wm. H. Co., 38 Park pl, New York**
Cincinnati Mfg. Co., Cincinnati, O.
Dentler, Bagger Co., Vicksburg, Mich.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
***See adv index at end of book***
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Johnson Geo. W. Mfg. Co., 209 W 17th, Kansas City, Mo.
**KINNEAR MFG. CO.** (Steel), 716-766 Field av, Columbus, O.
*See adv index at end of book*
**Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo,**
**National Fireproof Sash & Door Co., 449 Stagg, Brooklyn, N. Y.**
**Peelle Co. ("Peele" Counterbalanced), Stewart av, & Harrison pl., Brooklyn, N. Y.**
**Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.**
*See adv index at end of book*
Reedy H. J. Elevator Co., 15 W 2d, Cincinnati, O.
**Richmond Safety Gate Co., Richmond, Ind.**
**Rochester Automatic Elevator Door Co. (Fireproof Safety Fire Doors), Rochester, N. Y.**
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**Thorp Fire Proof Door Co. ("Thorp-Richardson"), 1600-1610 Central av, Minneapolis, Minn.**
**Variety Mfg. Co. ("Cross" Folding), 2958 Carroll av, Chicago, Ill.**
**Victor Mfg. Co. ("Victor"), Newburyport, Mass.**
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.
**Zahner Metal Sash & Door Co., Canton, O.**

## 3926—Doors (Elevator, Bronze)

See also Bronze Doors

Buffalo Wire Works Co., 453 Terrace pl, Buffalo, N. Y.
*See adv index at end of book*
**Cincinnati Mfg. Co., Cincinnati, O.**
**DAHLSTROM METALLIC DOOR CO.** (Bronze & Hollow Metal), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
**HEATH J. S. CO.,** Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
**MEYERS FRED J. MFG. CO., Hamilton, O.** ***See adv index at end of book***
**Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.**
*See adv index at end of book*
**TYLER W. S. CO., Cleveland, O.**
*See adv index at end of book*

## 3927— Doors (Fir)

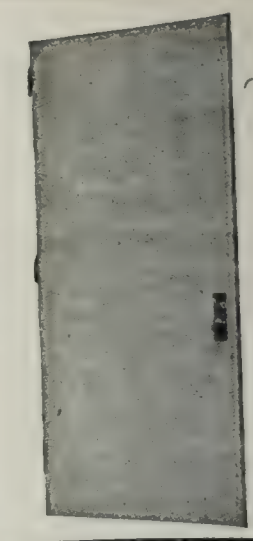
Chehalis Fir Door Co., McCleary, Wash.
**Pacific Mutual Door Co., Tacoma, Wash.**

**Alignum Fireproof Products Company**
INC.

All "Alignum" and steel clad "Alignum" doors of all types and sizes, panels, jambs, trim, motion picture projection rooms, insulating and fireproof lumber. "Alignum" doors are labeled by Underwriters' Laboratories for all types of openings.

GENERAL OFFICES
SOUTH RIVER, N. J.

NEW YORK OFFICE
356 LEXINGTON AVE.



## 3928—*Doors (Fire Proof, Hollow Metal)

Cincinnati Mfg. Co., Cincinnati, O.
**DAHLSTROM METALLIC DOOR CO.,** ("Dahlstrom," Patent Construction, Artistically Finished, Absolutely Fireproof, Hollow Metal, Steel, Bronze or Copper), 143 Buffalo, Jamestown, N. Y., & Consolidated Gas bldg, 130 E 15th, New York
*See adv index at end of book*

## 3929—*Doors (Fireproof, Hollow Steel)

Cincinnati Mfg. Co., Cincinnati, O.
**DAHLSTROM METALLIC DOOR CO.** ("Dahlstrom" Patent Construction, Artistically Finished, Sanitary & Absolutely Fireproof), 35 Blackstone av, Jamestown, N. Y., & Consolidated Gas bldg, New York.
*See adv index at end of book*

## 3929a—*Doors (Fire Proof, Kalameined)

Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.

## 3930—Doors (Fire Proof, Metal & Metal Covered)

Alignum Fireproof Products Co., Inc., So. River, N. J., & 356 Lexington av, New York *See adv index at end of book*
American Sheet Metal Works, 3427 S Carrollton, New Orleans, La.
Art Metal Construction Co. (Hollow Metal), Jamestown, N. Y.
*See adv index at end of book*
Art Metal Fire Proof Door & Trim Co., 2732 Wentworth av, Chicago, Ill.
Betz Bros., 34 James av, Jersey City, N. J.
Boughton Door Co., 311 Atlantic av, Boston, Mass.
Buffalo Fire Door Co., 15 W Swan, Buffalo, N Y
Cal. Fire Proof Door Co. ("Wilson"), 1931 S Los Angeles, Los Angeles, Cal.
Carpenter R. F. Mfg. Co. (Steel Toilet Doors), 978 E 64th, Cleveland, O.
Chesley A. C. Co., 275 Rider av, New York
Cincinnati Mfg. Co. (Hollow Metal, "Underwriters Label" & Metal Covered), Cincinnati, O.
**COBURN TROLLEY TRACK MFG. CO.,** ("Coburn"), P. O. Box 127, Holyoke, Mass.
Dexter Metal Mfg. Co. (Cellar Iron), 92 Arch, Camden, N J
Dowman-Dozier Mfg. Co. (Hollow Sheet Metal Panel), Atlanta, Ga.
**EDWARDS MFG CO.,** 545-565 Eggleston av., Cincinnati, O.
*See adv index at end of book*
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Firedoor Contracting Co., 413 E 23rd, New York
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
Harris S. H. Co. ("Meeker" Metal Covered), 2424 W 22nd, Chicago, Ill.
**HEATH J. S. CO.,** Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Herrman & Grace Co., 671 Bergen, Brooklyn, N. Y.
Howell, Field & Goddard (Metal Covered), Review av, Long Island City, N. Y.
Kinnear Mfg. Co. ("Ajax," "Abacus" Approved Fire Doors), 716-766 Field av, Columbus, O.
*See adv index at end of book*
Knisley H. C. Co. (Hollow Metal), 1908 S Western av, Chicago, Ill.
Knoburn Co. (Steel, Filled with Asbestos), Hoboken, N. J.
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Lawton-Stephens Co. (Hollow Metal, All Steel, also Bronze or Copper), 427 Marcy av, Brooklyn, N. Y.
Lee Thomas, 129 W 2nd, Cincinnati, O.
McFarland-Hyde Co. (Hollow Metal), 2701 S. 5th av, Chicago, Ill.
Merchant & Evans Co. (Evan "Almetl"), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Norman-Seton, Inc., Winfield, Long Island City, N. Y.
Ogden J. Edward Co., 147 Cedar, New York
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Penn. Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Perkins Mfg. Co., St. Paul, Minn.
*See adv index at end of book*

**STEEL CURTAINS**
Fire Doors and Shutters
**PERKINS M'F'G. CO.**
ST. PAUL, MINN.

Pruden C. D. Co. (Also Hollow Sheet Metal), Dock Warner, Baltimore, Md.
**RELIANCE FIREPROOF DOOR CO.,** West & Milton, Brooklyn, N. Y.
*See adv index at end of book*

**RELIANCE**
DOORS AND WINDOWS
RELIANCE
FIREPROOF DOOR CO.
BROOKLYN, N. Y.

Richmond Safety Gate Co., Richmond, Ind.
Ross R. J. Mfg. Co. ("Meeker" Metal Covered), 4241 Ogden av, Chicago, Ill.
Saino F. L. Mfg. Co., Memphis, Tenn.
Solar Metal Products Co. (Hollow Metal & Steel), Columbus, Ohio
Sykes Steel Roofing Co. (Hollow Metal), 930 W 19th pl, Chicago, Ill.
**Thorp Fire Proof Door Co. ("Thorp-Richardson"), 1600-1610 Central av, Minneapolis, Minn.**
**Underwriters Hatch Door Co. (Metal Covered), 1741 Walnut, Chicago, Ill.**
Van Noorden E. & Co. (Kalameined), 100 Magazine, Boston, Mass.
Variety Mfg. Co., 295 S Carroll av, Chicago, Ill.
Voigtmann & Co. (Hollow Metal), 445 W Erie, Chicago, Ill.
World Fire-Proof Door Corp., 145th & Southern blvd, New York
**Zahner Metal Sash & Door Co., Canton, O.**

## 3931—*Doors (Fireproof, Revolving)

**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*

## 3932—Doors (Fire, Tin Clad & Sheet Metal)

Akerly Hiram A., 57 Prince, New York
Albert & Fischer Hdw. & Sheet Metal Co., 2524 S 7th, St. Louis, Mo.
Alignum Fireproof Products Co., Inc., So. River, N. J., & 356 Lexington av, New York
*See adv index at end of book*
American Sheet Metal Works, 3427 S Carrollton, New Orleans, La.
Bauer's Chas. Sons, 159 William, Buffalo, N. Y.
Biersach & Niedermeyer Co., 220 5th, Milwaukee, Wis.
Bolin Metallic Door Co., Kansas City, Mo.
Burton W. J. Co., Junction & Federal, Detroit, Mich.
Cal. Fire Proof Door Co. ("Wilcox"), 1931 S Los Angeles, Los Angeles, Cal.
Callaghan J. & Son, Cleveland, O.
Christmann Phillip & Sons Co., 858 Virginia, Buffalo, N. Y.
Cleveland Metal Roofing & Ceiling Co., 3105 Detroit av, Cleveland, O.
**COBURN TROLLEY TRACK MFG. CO.,** ("Coburn"), P. O. Box 127, Holyoke, Mass.
**Consolidated Sheet Metal Works Co., 661 Hubbard, Milwaukee, Wis.**
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Duluth Corrugating & Roofing Co., Duluth, Minn.
Dusing & Hunt (Underwriters' Standard Tin Covered), 386 Michigan av, Buffalo, N. Y.
Eberle Cornice Co., 4014 Laclede av, St. Louis, Mo.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Empire Art Metal Co., Inc. (Underwriters' Standard Tin Covered), College Point, L. I., N. Y.
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
**Gerock Bros. Mfg. Co., 1252 S Vandeventer av, St. Louis, Mo.**
Gordon-Lawless Co., Omaha, Neb.
Guarantee Iron & Wire Co., 2847 W Lake, Chicago, Ill.

Harris S. H. Co., 2424 W 22nd, Chicago, Ill.
Hawbolt Chas. H. Portland, Me.
Higgins Frank B., 203 N 12th, St. Louis, Mo.
Holzer R. G. (Est. of), New Orleans, La.
Hopmann Cornice Co., 2573 Benton, St. Louis, Mo.
Illinois Art Metal Co., Springfield, Ill.
Jeske R. & Bro. Co., 119 Reservoir av, Milwaukee, Wis.
Johnson G. W. Mfg. Co., St. Louis, Mo.
Kasch Roofing Co., Akron, O.
Keystone Fire Door Co., 1231 Irwin av, Pittsburgh, Pa.
**KINNEAR MFG. CO.**, 716-766 Field av, Columbus, O.
*See adv index at end of book*
Klauer Mfg. Co., Dubuque, Ia.
Lee Thomas, 129 W 2nd, Cincinnati, O.
Leonard Sheet Metal Wks., Hoboken, N. J.
McFarland-Hyde Co., 2701 S 5th av, Chicago, Ill.
Machwirth Bros. Co., 201-9 Oak, Buffalo, N. Y.
Mannen John E. Co., 2247 St. Clair av, Cleveland, O.
Martin Metal Mfg. Co., Wichita, Kans.
**MERCHANT & EVANS CO.** (Evans "Almetl"), Washington av & 21st. Phila., Pa. *See adv index at end of book*
Meeker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Missouri Fire Door & Cornice Co., St. Louis, Mo.
Murphy E. & Co., 3724 Cass av, St. Louis, Mo.
National Fire Proofing Co., 450 W Broad, Columbus, O.
Northwestern Roofing Cornice & Stamping Works, 1111 S 5th, Minneapolis, Minn.
O'Donnell Safety System Co., Cleveland, O.
Ohio Roofing & Asbestos Co., 1525 Columbus, Cleveland, O.
Peelle Company (Counterbalanced), Stewart av & Harrison pl, B'klyn, N. Y.
Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.
*See adv index at end of book*
Peters G. H. Co., 293 Oak, Buffalo, N. Y.
Powers & Boyd Cornice & Roofing Co., 3614 Laclede, St. Louis, Mo.
Pruden C. D. Co., Dock & Warner, Baltimore, Md.
Richmond Safety Gate Co., Richmond, Ind.
Riester & Thesmacher Co. 1512 W 25th, Cleveland, O.
Ross R. J. Mfg. Co., 4241 Ogden av, Chicago, Ill.
Rudolph & Son Co., 416 Prospect av, N W Cleveland, O.
Siano F. L. Mfg. Co., Memphis, Tenn.
St. John & Barquist Co., Des Moines, Ia.
St. Louis Fire Door Co., 1512 Clark av, St. Louis, Mo.
Shields J. H., 231-33 Sycamore, Cincinnati, Ohio
Souther E. E. Iron Co., Kienlin & Hamburger, St. Louis, Mo.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Stowell Co., The, South Milwaukee, Wis.
Stremel Bros. Roofing & Cornice Co., 1314 N 3rd, Minneapolis, Minn.
Thorn J. S. Co., 20th & Allegheny av, Phila., Pa.
Underwriters Hatch Door Co., 1741 Walnut, Chicago, Ill.
Variety Mfg. Co., 2958 Carroll av, Chicago, Ill.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.
Vonder Au & Cluss Mfg. Co., 2408 Jefferson, St. Louis, Mo.
Wand & Niehaus, 1315 Cora, St. Louis, Mo.
Waterloo Mfg. Co., Waterloo, Ia.
Westergren M. F., 213 E 144th, New York

## 3933— Doors (Folding)

American Sash & Door Co., Kansas City, Mo.
Duncan Co., The, 508 Water, Toledo, Ohio
Hanke Iron & Wire Works, 800 No. Albany av, Chicago, Ill.
*See adv index at end of book*
Harris S. H. Co. (Horizontal), 2424 W 42nd, Chicago, Ill.
**KINNEAR MFG. CO.** (Wood & Steel), 716-766 Field, av, Columbus, O.
*See adv index at end of book*
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Morgan Co. (Garage), Oshkosh, Wis.
Ogden J. Edward Co. ("Ogden Industrial"), 147 Cedar, New York
Peelle Co. ("Peele" Canopy), Stewart av & Harrison pl, B'klyn, N. Y.
Richmond Safety Gate Co., Richmond, Ind.
St. Louis Wire & Iron Co., St. Louis, Mo.
Variety Mfg. Co. ("Cross," Horizontal for Freighthouses, etc), 2958 Carroll av, Chicago, Ill.

## 3933a—Doors (Freight & Round House)

See also Doors, Folding; also Shutters, Steel Folding
**KINNEAR MFG. CO.**, 716-766 Field av, Columbus, O.
*See adv index at end of book*

## 3934— Doors (Grain)

Chicago Car Door Co., McCormick bldg, Chicago, Ill.
Spencer Otis Co., 80 E Jackson blvd, Chicago, Ill.

## 3935—Doors (Hard Wood & Veneered)

Alcott W. K. Co., 52nd & Lancaster, Phila, Pa.
American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.
Armstrong, Landon Co., Kokomo, Ind.
Batavia & New York Wood Working Co., Batavia, N. Y.
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Brockway-Smith Corporation, 98 Canal, Boston, Mass.
Bush Bros., Royersford, Pa.
Caldwell-Iseminger Co., Middletown, O.
Carl John H., 510 1st av, New York
Carnahan Mfg. Co. ("Evans"), Loogootee, Ind.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carr & Baal Co. (Pine), Des Moines, Ia.
Carter-Travis Co., Seymour, Ind.
Chicago Millwork Supply Co. (Glazed), 1404 W 37th, Chicago, Ill.
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Compound Door Co., St. Joseph, Mich.
Conway Veneered Door & Mantel Co., 2019 St. Paul, Milwaukee, Wis.
Cream City Sash & Door Co. (For the Trade Only), 601 Park, Milwaukee, Wis.
Crooks W. D. & Sons ("Pioneer"), Williamsport, Pa.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Ia.
Curtis, Towle & Paine Co. (For the Trade Only, Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Enterprise Planing Mill Co., Hillsboro, O.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Frey Planing Mill Co., Louisville, Ky.
Gauger John A. & Co. (For the Trade Only), 1434 W 22d, Chicago, Ill.
Gordon, Vantine Co., Davenport, Ia.
Goshen Sash & Door Co., Goshen, Ind.
Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.
Grand Rapids Lumber Co., Grand Rapids, Mich.
Gravois Planing Mill Co. (Trade Only), Minnesota & Juniata, St. Louis, Mo.
Hafner Mfg. Co. (Wholesale Mfrs.), Main c Dock, St. Louis, Mo.
Hardwood Products Co., Neenah, Wis.
Huttig Mill Wk. Co. (Wholesale Mfrs.), 1200 S Vanderventer, St. Louis, Mo.
Huttig Mill Wk. Co. (Wholesale Mfrs.), Kansas City, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Ironton Wood Mantel Co. (Wholesale Mfrs.), Ironton, O.
Iroquois Door Co. (Wholesale Mfrs.), Buffalo, N. Y.
I. X. L. Furniture Co., Goshen, Ind.
Jamestown Mantel Co., Falconer, N. Y.
Kertscher & Co., Elmira, N. Y., & 13 Lawrence, New York
Lafayette Lumber Co., Lafayette, Ind.
Lamont Matthew Sons Co. (Wholesale Mfrs.), Bay Cty, Mich.
Lohse Patent Door Co. (Patented), St. Louis, Mo.
Lord Lumber Co. (For Dealers & Contractors), La Grange, Ill.
Lutcher & Moore Cypress Lumber Co., (Ltd.) (Wholesale Mfrs.), Lutcher, La.
McClelland T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
McMillen R. Co. (For the Trade Only), Oshkosh, Wis.
McPhee & McGinnity Co., Denver, Colo.
Mechanics Planing Mill Co., 3742 N B'way, St. Louis, Mo.
Montgomery Bros. & Co., Buffalo, N. Y.
Morgan Co. (Veneered Hardwood For the Trade Only), Oshkosh, Wis.
Mulliner Box & Planing Co., Quincy, Ill.
Paine Lumber Co. (Ltd.) (For the Trade Only), Oshkosh, Wis.
Phoenix Sliding Blind Co., Phoenix, N. Y.
Pyrone Process Co. (Fire Proof), 20 E Gay, Columbus, O.
Radford Sash & Door Co. (For the Trade Only), 1827 Prairie av, Chicago, Ill.
Redwood Manufacturers Co. (Redwood Oregon Pine), Hobart bldg, San Francisco, Cal.
Rikerd Lumber Co. (Wholesale Mfrs.), Lansing, Mich.
Ripley Lumber Co., Poultney, Vt.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
Rockwell Mfg. Co. (For the Trade Only), 572 Park, Milwaukee, Wis.
Roddis Lumber & Veneer Co. ("Sterling," Flush Veneered), Marshfield, Wis.
Rogers Sash & Door Co., New Britain, Conn.
St. Louis Sash & Door Works (Wholesale Mfrs.), B'way & Destrehan, St. Louis, Mo.
Sanders Bros. Mfg. Co., Ottawa, Ill.
**STEARNS A. T. LUMBER CO.**, 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Struck Alfred Co., Louisville, Ky.
Trebing Mfg. Co., 1000 Center, N. W., Cleveland O.
Vanleer Bros., Brookville, Pa.
Whitmer-Jackson Sash & Door Co., 1996 W 3rd, Cleveland, O.
Wichita Sash & Door Co., Wichita, Kan.
Williamsport Planing Mill Co., Williamsport, Pa.
Woodbury Mill & Lumber Co., Woodbury, N. J.

## 3936—Doors (Hatch, Automatic)

Beckwith Elevator Co., 123 Pearl, Boston, Mass.
Cohoes Iron Foundry & Machine Co. Cohoes, N. Y.
Curran Jas. H. Elevator Co., 114 W 2d, Cincinnati, O.
Houser Elevator Co., Syracuse, N. Y.
Johnson Geo. W. Mfg. Co., 209 W 17th, Kansas City, Mo.
Packer Thos., Union City, Conn.
Reedy H. J. Elevator Co. (Fusible Link in Case of Fire), 15 W 2d, Cincinnati, O.
Richmond Safety Gate Co., Richmond, Ind.
Salem Elevator Works, Salem, Mass.
Sedgwick Machine Works, 150 W 15th, New York
Shields J. H., 231-33 Sycamore, Cincinnati, O.
**SPEIDEL JOHN G.**, Reading, Pa.
*See adv index at end of book*
Underwriters Hatch Door Co. (Electric), 1741 Walnut, Chicago, Ill.
Victor Mfg. Co. ("Victor," Fusible Link), Newburyport, Mass.
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.
Weichans A. C., Lancaster, Pa.

## 3937— Doors (Hollow Metal)

See also Doors, Fire-Proof, Metal & Metal Covered
Alignum Fireproof Products Co., Inc., So. River, N. J., & 356 Lexington av, New York *See adv index at end of book*
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## 3938— Doors (Hopper)

Industrial Supply & Equipment Co. ("Johnson"), 407 Samson, Phila., Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Trenton Malleable Iron Co., Trenton, N. J.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

## 3939—Doors (Iron & Glass)

Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Hanke Iron & Wire Works (Iron), 800 N Albany av, Chicago, Ill.
*See adv index at end of book*
Pitt Wm. R., Composite Iron Works (Vestibule & Storm), 219 W 40th, New York

## 3939a—*Doors—Iron & Steel (Steel Clay Alignum)

**ALIGNUM FIREPROOF PRODUCTS CO., INC.**, So. River, N. J., & 356 Lexington av, New York
*See adv index at end of book*

## Doors (Kalameined)

**See Doors & Windows, Kalameined**

## 3940—Doors (Locomotive Fire)

Franklin Railway Supply Co. "Franklin" (Power Operated), 30 Church, New York
National Railway Devices Co. ("Shoemaker"), 224 N Desplaines, Chicago, Ill.

## 3941— Doors (Manhole)

Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Girard Iron Works, 22d & Master, Phila., Pa.
Heiser Wm. Sons Co., Buffalo, N. Y.

## Doors (Mausoleum, Bronze)

See Bronze Doors

## 3942—Doors (Metal Entrance)

**See also Doors, Fire-Proof, Metal & Metal Covered**

Cincinnati Mfg. Co., Cincinnati, O.
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y., & Consolidated Gas bldg, 130 E 15th, New York *See adv index at end of book*
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York; Works: Providence, R. I.
**Hanke Iron & Wire Works, 800 No. Albany av, Chicago, Ill.**
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*

## 3943— Doors (Mine)

American Mine Door Co. ("Canton" Automatic), Canton, O.

## 3944—Doors (Open Hearth Furnace)

Aetna Foundry & Machine Co. (Hydraulic), Warren, O.
Blaw Knox Co. ("Knox" Welded Water Cooled), Freeport rd, Hoboken, N. J.
Keystone Bronze Co. ("Knox" Patent Copper), 39th & A. V. R. R., Pittsburgh, Pa. *See adv index at end of book*
Youngstown Engng Co., Youngstown, Ohio

## 3945—Doors (Passenger Car, Hollow Metal)

**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Hale & Kilburn Co., 1800 Lehigh av, Phila., Pa.

## 3946—Doors (Red Cedar, Wholesale)

Redwood Mfrs. Co., Oakland, Cal.
Whatcom Falls Mill Co., Bellingham, Wash.

## 3947—Doors (Refrigerator Car)

Missouri Malleable Iron Co., E St. Louis, Ill.
National Refrigerators Co., 8th & Park, St. Louis, Mo.
Trenton Malleable Iron Co., Trenton, N. J.

## 3948— Doors (Revolving)

Federal Sash & Door Co., 18th & Wabash av, Kansas City, Mo.
Jamison Cold Storage Door Co. ("No-Equal" for Passing Ice Cream to & from Hardening Room), Hagerstown, Md.
Revolving Door & Fixture Co., 556 W 27th, New York
Van Kannel Revolving Door Co. (Wood or All Metal), 250 W 54th, New York

## 3949—Doors (Shower Bath

Biele Chas. F. & Sons Co., 381 W 12th, New York

## 3950— Doors (Sidewalk)

**See also Vault & Sidewalk Lights**

American Three-Way Lurfer Prism Co., 139 Spring, New York
Bethlehem Steel Co., So. Bethlehem, Pa.
Columbia Iron & Wire Wks. Co. ("Columbia"), Canton, O.
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.
*See adv index at end of book*
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Safe-Cabinet Co., Marietta, Ohio
**ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.**
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136tn, New York
Telescopic Sidewalk Hoist & Door Co., Phelan bldg, San Francisco, Cal.
**TYLER W. S. CO., Cleveland, O.**
*See adv index at end of book*
Victor Safe & Lock Division, The Safe-Cabinet Co., Norwood, Cincinnati, O.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.
Withers Foundry & Machine Works, Atlanta, Ga.

## 3951— Doors (Silo, Metal)

Bragstad Concrete Machy. Co., Inc., Canton, S. Dak.
**Kretchmer Mfg. Co., Council Bluffs, Ia.**

## 3952— Doors (Smoke House)

Allbright-Nell Co., 5315 Western av, Chicago, Ill.
Gehret Bros., Bridgeport, Pa.

## 3952a— *Doors (Steel)

**KINNEAR MFG. CO.**, 716-766 Field av, Columbus, O.
*See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*

## 3952b— Doors (Steel Rolling)

**See also Shutters, Steel Rolling**

**CORNELL IRON WORKS**, 26th & 11th av, New York
Johnson Geo. W. Mfg. Co. (Metal Covered), St. Louis, Mo.
Kinnear Mfg. Co. (Wood), 716-766 Field av, Columbus, O.
*See adv index at end of book*
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.
*See adv index at end of book*
**SMITH F. P WIRE & IRON WORKS.** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Variety Mfg. Co., 2958 Carroll av, Chicago, Ill.
**WILSON J. G. CORP'N** ("Salamander"), Chief Officer, 8 W 40th, New York. Mills & Factory: Norfolk, Va.
*See adv index at end of book*

## 3953—Doors (Theatre, Fireproof)

Alignum Fireproof Products Co., Inc., So. River, N. J., & 356 Lexington av, New York *See adv index at end of book*
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*

## 3954— Doors (Trap)

Edwards O. M. Co., Inc. ("Edwards" Steel Extension Platform), Syracuse, N. Y.

## Doors (Vault & Sidewalk Light)

**See Doors, Sidewalk**

## 3954a—*Doors Underwriters & Trim (Fireproof)

Alignum Fireproof Products Co., Inc. ("Wilcox"), So. River, N. J., & 356 Lexington av, New York
*See adv index at end of book*
Cal. Fire Proof Door Co., 1931 S Los Angeles, Los Angeles, Cal.

## 3954b—*Doors (Watertight & Non-Watertight Ship)

Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
***See adv index at end of book***

## 3955— Doors (White Pine)

American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Morgan Co., Oshkosh, Wis.
Rock Island Sash & Door Works (Wholesale Mfrs.). Rock Island, Ill.
United States Electrical Tool Co., 549 W Washington blvd., Chicago, Ill.
*See adv index at end of book*

## 3956—Doors (Winding & Sliding)

Alignum Fireproof Products Co., Inc., (Asbestos, Swinging & Sliding), So. River, N. J., & 356 Lexington av, New York *See adv index at end of book*
Stolz Jos. & Son, Inc. (Sliding), 841 E 136th, New York
**WILSON J. G. CORP'N, THE** (Swing for Freight Sheds & Warehouses), Chief office, 8 W 40th, New York. Mills & factory: Norfolk, Va.
*See adv index at end of book*

## Doors (Wood Rolling)

**See Shutters, Wood Rolling**

## 3957—Doors (Yellow Cypress)

Cole Mfg. Co., Memphis, Tenn.
Columbus Iron Works, Columbus, Ga.
Curtis Bros. & Co., Clinton, Ia.
McClelland T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.

## 3958— Doors (Yellow Pine)

Allen Mfg. Co. (Ltd.), Shreveport, La.
American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Columbus Iron Works, Columbus, Ga.
Curtis Bros. & Co., Clinton, Ia.
Enochs Lumber & Mfg. Co., Jackson, Miss.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gordon, Vantine Co., Davenport, Ia.
Morgan Co. (Laminated Panels), Oshkosh, Wis.

## 3959—Doors & Shutters (Fireproof)

**See also Shutters, Steel, Etc.**

Chesley A. C. Co., 275 Rider av, New York
Cincinnati Mfg. Co., Cincinnati, O.
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Dowman-Dozier Mfg. Co., Atlanta, Ga.
**EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.**
*See adv index at end of book*
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Fire Prevention Fire Door Mfg. Co., 221 W. 19th, New York
Gehret Bros., Bridgeport, Pa.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
**HANKE IRON & WIRE WORKS (Iron), 800 No. Albany, Chicago, Ill.**
***See adv index at end of book***
Hastings Foundry & Iron Works, Hastings, Neb.
Herrmann & Grace Co., 671 Bergen, Brooklyn, N. Y.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Howie Roofing Co., Detroit, Mich.
**KINNEAR MFG. CO.** ("Abacus," "Ajax") 716-766 Field av, Columbus, O.
*See adv index at end of book*

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Landon E. R. (Iron), 166 N May, Chicago, Ill.
McLauthlin Geo. T. Co., 120 Fulton, Boston, Mass.
Martin Metal Mfg. Co., Wichita, Kans.
**MERCHANT & EVANS CO.** (Evans "Almetl"), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
**Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.**
**Meyers Fred. J. Mfg. Co., Hamilton, O.**
*See adv index at end of book*
Milwaukee Corrugating Co., Milwaukee, Wis.
**Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.**
*See adv index at end of book*
Reliance Fireproof Door Co., West & Milton, Brooklyn, N. Y.
*See adv index at end of book*
**Richmond Safety Gate Co., Richmond, Ind.**
**Ross R. J. Mfg. Co. ("Meeker"), 4241 Ogden av, Chicago, Ill.**
Saino F. L. Mfg. Co. (Sliding & Swinging), Memphis, Tenn.
**Smith F. P. Wire & Iron Works, 2340-48** Clybourn av, Chicago, Ill.
*See adv index at end of book*
**Solar Metal Products Co. (Doors Only), Columbus, O.**
United States Metal Products Co., San Francisco, Cal.
**Victor Mfg. Co. ("Victor"), Newburyport, Mass.**
**Wilson J. G. Corp'n, The (Steel Rolling) Chief Office: 8 W 40th, New York. Mills & Factory: Norfolk, Va.**
*See adv index at end of book*
**Zahner Metal Sash & Door Co., Canton, O.**

## 3960—*Doors & Shutters (Fire, Tin Clad)

**Saginaw Sheet Metal Works, Saginaw, Mich.**

## 3960a—*Doors & Shutters (Steel)

**KINNEAR MFG. CO.**, 716-766 Field av, Columbus, O.
*See adv index at end of book*
**WILSON J. G. CORP.**, 8 W 40th, New York *See adv index at end of book*

## 3961—Doors & Shutters (Steel Rolling)

Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
**KINNEAR MFG. CO.**, 716-766 Field av, Columbus, O.
*See adv index at end of book*
**WILSON J. G. CORP.** (Also Wood), 8 W 40th, New York
*See adv index at end of book*

## 3962—Doors & Windows (Kalameined)

Betz Bros., 34 James av, Jersey City, N. J.
**Brooklyn Fire-Proof Sash & Door Co., 101** Richardson, Brooklyn, N. Y.
Chesley A. C. Co., 275 Rider av, New York
Cincinnati Mfg. Co. (also Partitions, Metal Covered), Cincinnati, O.
**Dowman-Dozier Mfg. Co., Atlanta, Ga.**
**Empire Art Metal Co., Inc., College Point, L. I., N. Y.**
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
**Hermann & Grace Co., 671 Bergen, Brooklyn, N. Y.**
Holzer R. G. (Est. of), New Orleans, La.
**Howell, Field & Goddard, Review av, Long** Island City, N. Y.
Hyde-Murphy Co., Ridgway, Pa.
**Kalamein Co., 10th, Long Island City, N. Y.**
Lee Thomas (Doors Only), 129 W 2nd, Cincinnati, O.
Leonard Sheet Metal Works, Hoboken, N. J.
**Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.**
National Fire Proof Sash & Door Co., **499 Stagg Brooklyn, N. Y.**
Orleans Steel Products Co., Inc. (Doors Only), 1021 Bienville, New Orleans, La.
Penn Metal Co. ("Penco" Doors also Partitions), 65 Franklin, Boston, Mass.
**Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.**
*See adv index at end of book*
Pruden C. D. Co., Dock & Warren, Baltimore, Md.
Reliance Fireproof Door Co., West & Milton, Brooklyn, N. Y.
*See adv index at end of book*
Rowe Henry Mfg. Co., Newaygo, Mich.
Thorp Fire Proof Door Co. ("Thorp-Richardson" Kalameined Doors), **1600-1610 Central av, Minneapolis, Minn.**
U. S. Metal Products Co., San Francisco, **Cal.**
Variety Mfg. Co. (Doors Only), 2958 Carroll av, Chicago, Ill.
Westergen M. F., 213 E. 144th, New York

## Dough Dividers

**See Dough Dividing Machine**

## 3963— Dovetails (Stove)

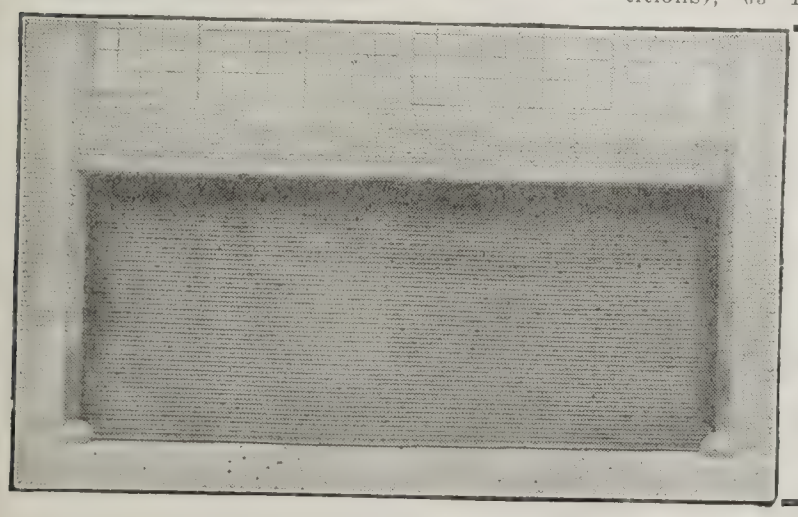
Burdick & Son, Albany, N. Y.
Lovejoy C. H. Chaplet Co., Cambridge, N. Y.

## 3964— *Dowel Rods

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 3965-6-7— Dowels

American Novelty Works, Wellsville, N. Y.
American Sash & Door Co., Kansas City, Mo.
Anchor Saw Mills Co., Memphis, Tenn.
Benskin Mfg. Co. (Brass, Iron & Wood), Canton, O.
Borgeson C. E. (Wood), 1775 Wilson av, Chicago, Ill.
Bowen Corp., Detroit, Mich.
Brinser E. C. Sons (Wood), Richmond, Va.
Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Cassaday Fairbank Mfg. Co. (In White Finish), 6126 S La Salle, Chicago, Ill.



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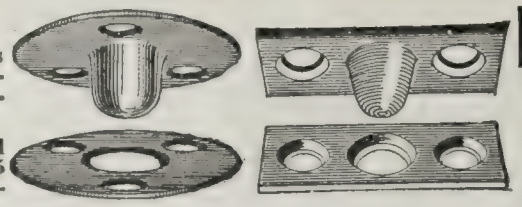

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Chain Products Co. (Brass), 3924 Cooper av, Cleveland, O.
Clark Cyrus B., Grand Rapids, Mich.
Connecticut Box Co., New Haven, Conn.
Cook & Coburn, West Fairlee, Vt.
Dayton Handle & Golf Co., Dayton, Ohio
Everett A. & Son (Brass & Wood), Auburn, N. Y.
Frary Mfg. Co. (Wooden), Charlemont, Mass.
Gravely B. F. & R. P. (Wood), Martinsville, Va.
Grayling, Dowel Co., Grayling, Mich.
Grover R. A. (Wood), Andover, Me.
Harriman S. H., Fryeburg, Me.
Hicksville Handle Co. (All Sizes), Three Rivers, Mass.
Hieb Box Mfg. Co., Merrill, Wis.
Higgins Alvah E., Jamaica, Vt.
Lebzelter P. & Son, Lancaster, Pa.
Lobdell Emery Mfg. Co., Onaway, Mich.
Minton T. W. & Son, Barbourville, Ky.
**MORSE FRANK W.** (Smooth, Grooved & Threaded, Brass Pin, Round & Oblong Plate), 289 Congress, Boston, Mass.
*See adv index at end of book*
Nashua Spool & Bobbin Co. (All Kinds), Grove Hall Sta., Boston, Mass.
Novelty Turning Co. (Wood), Norway, Me.
Piqua Handle & Mfg. Co. (Wood), P. O. Box 307, Piqua, O.
Shaw & Tenney (Wood), Orono, Me.
Sheldon H. Mfg. Co. (Fan & Fly Swatter), Elkland, Pa.
Smith H. B. & Co., Hanover, Me.
South Bend Dowel Works, South Bend, Ind.
Standard Turning Works (Wood), Cambridge, Mass.
**STEVENSON MFG CO.** (Wood), South Bend, Ind. *See adv index at end of book*
**STILES H. A. & CO.,** 93-97 Oliver, Boston, Mass *See adv index at end of book*
Townsend Co., New Brighton, Pa.
Wellman Products Co. (Wood & Metal), 1444 E 49th, Cleveland, O.

### 3968—Dowels (Coopers' Hickory)

Bogert & Hopper, Inc. (Plain, Beaded, Rope, Twist & Furniture), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

### 3969—Dowels (Patternmakers')

Benskin Mfg. Co. (Brass), Canton, O.
Diamond Clamp & Flask Co., Richmond, Ind.
Federal Malleable Co. ("Fraser," Malleable Iron), West Allis, Wis.
Hawker W. S. Mfg. Co., 458 Bacon, Dayton, O.
Knight H. W. & Son (Brass), Seneca Falls, N. Y.
Shanafelt Mfg. Co. (Brass & Hardwood), Canton, O.
**Standard Turning Works, Cambridge, Mass.**
Timmis & Clissold (Brass & Wood), Bound Brook, N. J.
Williams William Jr. (Brass), New Britain, Conn.

### 3969a — * Dowels (Plain, Beaded, Rope, Twist & Furniture)

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### 3970-1— Dowels (Rail)

Jencks E. Mfg. Co., Worcester, Mass.
**Parker Wire Goods Co. (Iron Hand Rail, Gimlet Pointed Screws),** Worcester, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 3972— Dowels (Steel)

**See also Wire Nail Mfrs.**

Badger Nail Co., 159 Muskego av, Milwaukee, Wis.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.

### 3973— Draft Arms

Bradford Draft Gear Co., Atlanta, Ga.

### 3974— Draft Gear

Bradford Draft Gear Co. ("Bradford"), Atlanta, Ga.
Cardwell Mfg. Co. ("Cardwell," Friction), 332 S Michigan av, Chicago, Ill.
Commonwealth Steel Co. ("Transom." Cast Steel Draft Rigging), St. Louis, Mo. Works: Granite City, Ill.
Gould Coupler Co. ("Gould" Friction), 30 E 42nd, New York
Miner W. H. ("Miner" Draft Rigging), The Rookery, Chicago, Ill.
Standard Coupler Co. ("Sessions-Standard" Friction), 30 Church, New York. Works: Bridgeport, Conn.
Symington T. H. Co. ("Farlow"), Md. Trust bldg, Baltimore, Md.
Union Draft Gear Co. ("Cardwell" Friction), McCormick bldg, Chicago, Ill.
Waugh Draft Gear Co. ("Anderson," "Waugh," "Forsyth"), Peoples Gas bldg, Chicago, Ill.
Western Railway Equipment Co. ("Hoerr") Central Nat Bank, St. Louis, Mo.
**WESTINGHOUSE AIR BRAKE CO.,** (Friction), Pittsburgh, Pa.

### 3975 Draft Inducer

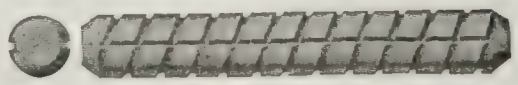
Cooling Tower Co., Inc., 15 John, New York

### 3976—*Drafting Room Equipment

See also Architects' & Engineers' Instruments & Supplies.
**ACME BLUE PRINT PAPER CO.,** 115 S Dearborn, Chicago, Ill.
*See adv index at end of book*
American Drafting Furniture Co. ("American," "Morse"), 129 Mill, Rochester, N. Y.
**Century Mfg. Co. (Steel Adjustable), Cleveland, O.**
Cole H. Co. ("Harrison"), 68 E Gay, Columbus, O.
Defiance Mfg. Co., 22 E 41st, New York
**Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.**
**Dillingham Mfg. Co., Sheboygan, Wis.**
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Fritz Mfg. Co. ("Fry's" Adjustable), Grand Rapids, Mich.
Hamilton Mfg. Co., Two Rivers, Wis.
Hemp C. E., Hamilton, O.
Keuffel & Esser Co., Hoboken, N. J.
Lutz Co. ("Forsyth's" Adjustable), Guttenberg, N. J.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Post Fred'k Co. (Post's "Brimo" Adjustable Drawing Table), 3635 S Clark Chicago, Ill.
Price W. R., Inc. (For Educational Purposes), 127 Fifth av, New York
Rowe Henry Mfg. Co., Newaygo, Mich.
Shartle Bros. Machine Co., Middletown, O.
Taws Henry M. ("Emerson's"), 920 Arch, Phila., Pa.
Washburn Shops ("Worcester"), Worcester, Mass.
Wausau Fixture & Furniture Co. ("Ulrich" Adjustable Shadowless), Wausau, Wis.
Weber F. & Co., 1220 Buttonwood, Phila., Pa.; also St. Louis, Mo.; & Baltimore, Md.
Weydell F. O. ("Hi-Low"), 12 S Clinton, Chicago, Ill.
Williams, Brown & Earle ("Ajax" Telescope), 918 Chestnut, Philadelphia, Pa.

### 3977—Draftsmen (Mechanical)

Central Machine Wks., 12th & Tyler, St. Louis, Mo.
Durham Bros., 1213 Filbert, Phila., Pa


**DOWELS**  **DOWELS**

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Gaylord Chas. E. (Patent Office Drawings a Specialty), Marquette bldg, Chicago, Ill.
King R. D., 51 West Jackson, Chicago, Ill.
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th, New York *See adv index at end of book*
Nestor Mfg. Co., 40 W 13th, New York

## 3978—Drags (Handle, for Fishing Reels)

General Phonograph Corp. ("Rabbeth," "Governor"), 25 W 45th, New York

## 3979— Drainage Systems

Baggot E. Co. ("Durham"), 21 E Lake, Chicago, Ill.
Waring, Chapman & Farquhar ("Waring"), 874 B'way, New York

## 3980— Drainboards

Becker Mfg. Co. (Ash, for Sinks), Marietta, Ohio
**Blake Specialty Co. (Aluminum) Rock Island, Ill.**
Cahill Iron Works, Chattanooga, Tenn.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Plastone Co. ("Plastone," Sanitary), Los Angeles, Cal.
Trageser John Steam Copper Works (White Metal), 447 W 26th, New York
**U. S. Faucet Co. (Copper), 1155 Mission, San Francisco, Cal.**

## 3981— Drainers (Cylinder)

American Safety Lamp & Mine Supply Co. ("Smith" Automatic), Scranton, Pa.

## 3982— Drainers (Dish)

Gem Mfg. Co. (Wood), N. Girard, Pa.
Hamblin & Russell Mfg. Co. ("Perfect," "O. K." Wire), Worcester, Mass.
**Parker Wire Goods Co. (Wire), Worcester, Mass.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Woods-Sherwood Co. ("Sherwood's" Wire), Worcester, Mass.**

## 3983— Drainers (Sump)

Penberthy Injector Co., 346 Holden av, Detroit, Mich.

## 3983a— Drains (Cast Iron)

See also Cellar Drains; also Drains Floor
Clow James B. & Son, Franklin & Harrison, Chicago, Ill.
Donaldson Iron Co. (Bell & Spigot Type), Emaus, Pa.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Lynchburg Fdry., Lynchburg, Va.
U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J.
Warren Fdry. & Machine Co., Phillipsburg, N. J.

## 3984— Drains (Floor)

See also Drains, Cast Iron Cellar Drains
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Scale Co., Kansas City, Mo.
**Blake Specialty Co. ("Blake" Junior No-Back), Rock Island, Ill.**
**Compound Injector & Specialty Co. ("Dehn's," "Acme," Deep Seal, "Peerless" Garage Floor), 419 N Laramie av, Chicago, Ill.**
**Crampton-Farley Brass Co. ("Sansealo," "Signet," "Noxall" with Back Water Trap), 221 Main, Kansas City, Mo.**
Fee & Mason, 81 Beekman, New York
**Haines-Jones & Cadbury Co. ("Hajoca" Brass Iron Body & All Iron), 1136 Ridge av, Phila., Pa.**
**Hunt Wm., 1512 S Grand av, St. Louis, Mo.**
**Jiffy Fire Hose Rack Co. ("Brayman"), 727 7th av, New York**
Josam Mfg. Co., 25 4th, St. Louis, Mo.
Josam Mfg. Co., 3063 E 61st, Cleveland, O.
**Kansas City Flushing & Drain Co., 1433 Main, Kansas City, Mo.**
**Kokomo Brass Works, Kokomo, Ind.**
Mechanicville Specialty Supply Mfg. Co., Mechanicville, N. Y.
**Prier Brass Mfg. Co. ("Sieben," "Standard"), Kansas City, Mo.**
Sanitas Mfg. Co. ("Donovan"), 105 Washington, Boston, Mass.
Wade Iron Sanitary Mfg. Co., 551 Fulton, Chicago, Ill.

## 3985-6-7— Drains (Ice Box or Refrigerator)

**Blake Specialty Co., Rock Island, Ill.**
Fee & Mason, 81 Beekman, New York
**Kokomo Brass Works, Kokomo, Ind.**
Modern Iron Works ("Badger"), Quincy, Ill.
**Prier Brass Mfg. Co. ("Standard" "Sieben"), Kansas City, Mo.**
**Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.**

## 3988— Draw-Bar Attachment

**Brill J. G. Co., 62d & Woodland av, Phila., Pa.**
**Butler Drawbar Attachment Co. (Friction & Spring), Engineers bldg, Cleveland, O.**
**Miner W. H., The Rookery, Chicago, Ill.**
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**
**Van Dorn Coupler Co. (Electric Railway), 2325 S Paulina, Chicago, Ill.**
**Wilmington Malleable Iron Works of Eastern Malleable Iron Co., Wilmington, Del.**

## 3989— Drawer Slides

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Grant Pulley & Hardware Co. ("Turner" Anti-Friction), 101 Park av, New York

## 3990—Drawers (Bench, Steel)

Allsteelequip Co., Aurora, Ill.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Koenig Edward L, La Salle nr Lake, Chicago, Ill. *See adv index at end of book*
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
New Britain Machine Co. ("New Britain," Frictionless), 190 Chestnut, New Britain, Conn.
Terrell's Equipment Co., Grand Rapids, Mich.

## 3991—Drawers (Cash or Money)

Crescent Mfg. Co., Louisville, Ky.
Merriam Mfg. Co., Durham, Conn.
Quincy Show Case Works (Alarm or Gong), Quincy, Ill.
Russell & Erwin Mfg. Co. (Alarm Tills), New Britain, Conn.
Standard Cash Register Co., N Manchester, Ind.
Sun Mfg. Co., Columbus, O.
Tucker & Dorsey Mfg. Co. (Alarm Tills), Indianapolis, Ind.

## Drawing Instruments

See Architects & Engineers' Instruments & Supplies

## 3992— Drawing Materials

See also Architects' & Engineers' Instruments & Supplies; also Blue Prints

**ACME BLUE PRINT PAPER CO.**, 115 S Dearborn, Chicago, Ill. *See adv index at end of book*
Elliot B. K. Co., 126 6th, Pittsburgh, Pa. *See adv index at end of book*
Crofoot Nielsen & Co., 172 W Washington, Chicago, Ill. *See adv index at end of book*

**Crofoot, Nielsen & Co.**
**172 W. Washington St., Chicago, Ill.**
**Tel. Main { 759 / 684**
**Blue Print Paper and Drawing Materials**

Johnston J. W. ("Snow White" Marking Fluid), New Arts bldg, Rochester, N. Y.
Huey Co. (Wholesale), 59 E Adams, Chicago, Ill.
Ledder & Probst, 21 Pearl, Boston, Mass.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Post Fredk Co., 3635 N Hamlin av, Chicago, Ill.
Queen City Blue Print Co., 124 Government pl, Cincinnati, O.
**VINCENT GEO** (Mfrs. Victor Vellum Tracing Paper), 422 E 53rd, New York.
**WEBER F. & CO.**, 1220 Buttonwood, Phila., Pa.; also St. Louis, Mo., & Baltimore, Md.

## Drawing Tables

See Drafting Tables

## Drays (Heavy Truck)

See Wagons, Freight, Teaming, etc

## 3993—Dredges (Gold, Dipper & Hydraulic)

Bucyrus Co., So Milwaukee, Wis
**ELLICOTT MACHINE CORP'N**, 1111 Bush, Baltimore, Md. *See adv index at end of book*
Fairbanks Steam Shovel Co. (Dipper & Hydraulic), Marion, O.

**B. K. Elliott Company**
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DREDGES (GOLD, DIPPER & HYDRAULIC)—continued

Jackson & Church Co. (Dipper, Hydraulic, Ditching, etc), Saginaw, Mich.
Luther Frederick P. Co. (Dipper & Hydraulic), 14 E Jackson blvd, Chicago, Ill.
Manitowoc Ship Bldg. Co., Manitowoc, Wis.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Norborn Engineering Co., Denckla bldg, Phila., Pa.
Osgood Co., Marion, Ohio

## 3994—Dredges (Gold & Placer Mining)

See also Dredging Machinery

Atkinson W. H. Co., Hoboken, N. J.
ELLICOTT MACHINE CORP'N, 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Hammond Mfg. Co., Kamm bldg, Portland, Ore.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Krogh Pump & Machinery Co., 147 Beale, San Francisco, Cal.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
New York Engineering Co. ("Empire"), 2 Rector, New York
Stearns-Roger Mfg. Co., Denver, Colo.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Union Construction Co., 604 Mission, San Francisco, Cal.
United Iron Works (Beach Sand Dredges), Oakland, Cal.
Yuba Mfg. Co. (Also Suction), Insurance Exchange bldg, San Francisco, Cal.

## 3995— Dredges (Steel)

American Steel Dredge Co., Fort Wayne, Ind.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Michigan Dredge Co., Bay City, Mich.
Osgood Co., Marion, O.

## Dredging Machinery

See Machinery

## 3995a—Dresser Sets (Cased)

The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.

## 3996— Dressers (Bibb Seat)

Buffum Tool Co., South Side, Louisiana, Mo.
Skinner M. B. Co. ("Skinner"), 562 W Washington, Chicago, Ill.
Wolverine Brass Works ("Universal"), Grand Rapids, Mich.

## 3996a—*Dressers (Diamond Pointed Emery Wheel)

ACME DIAMOND TOOL CO., 12-16 John, New York *See adv index at end of book*

## 3997—Dressers (Emery Wheel)

American Emery Wheel Works, 325 Waterman, Providence, R. I.
Bay State Stamping Co. ("Bennett"), 380 Chandler, Worcester, Mass.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne & Dowd Mfg. Co. ("American"), Meriden, Conn.
Buckeye Mfg. & Foundry Co., 2046 W 55th, Cleveland, O.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burgess & Norton Mfg. Co. ("Huntington" Improved), Geneva, Ill.
Calder Geo. H., Lancaster, Pa.
Carborundum Co., Niagara Falls, N. Y.
Challenge Machine Co. ("Gruwa-Huntington"), 5116 Springfield av, Phila., Pa.
Chicago Screw Co. ("Genuine Huntington"), Homan av & Fillmore, Chicago, Ill.
Chicago Wheel & Mfg. Co. ("Paragon" & "Huntington"), 1101 W. Monroe, Chicago, Ill.
Cleveland Flue Cleaner Mfg. Co. ("Brisben"), 321 Frankfort av, N W, Cleveland, O.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Collmer Bros. ("Huntington Collmer"), South Bend, Ind.
Crafts Arthur A. & Co., 125 Summer, Boston, Mass.
Curtin Hebert Co (Also Cutters, "Huntington," "Paragon," "Crescent"), Gloversville, N. Y.
Desmond-Stephan Mfg. Co. ("Dismo-Carbo," "Sherman" & "Huntington"), Urbana, O.
Dessau's S. Sons (Diamond Set), 180 B'way, New York
*See adv index at end of book*
Detroit Screw Works ("Genuine Huntington"), 348 Franklin, Detroit, Mich.
Diamond Drill Carbon Co. (Also Diamond), 59 Park Row, New York
Diamond Machine Co., Providence, R. I.
DIAMOND SAW & STAMPING WORKS ("Sterling"), 357 7th, Buffalo, N. Y.
*See adv index at end of book*
Dickinson Thos. L., 64 Nassau, New York
Ehrmann & Bahlsen, 2 Maiden la, New York
Electric Emery Wheel Co., 827 Broad, Newark, N. J.
Federal Machine Products Co. ("Federal"), Farnsworth & Beaufait, Detroit, Mich.
Francis & Co. (Diamond), Hartford, Conn.
Gutman Chas., 35 Nassau, New York
Hartley Geo. ("Diamond"), Waterbury, Conn.
Machinery Co. of America, Big Rapids, Mich.
Meyers W. F. Co., Bedford, Ind.
Montgomery & Co. ("Strong" Diamond Holder), 105 Fulton, New York
North Wales Machine Co. ("Huntington"), North Wales, Pa.
Norton Company, Worcester, Mass.
Osborn-Crew Mfg. Co. ("Brisben"), 1628 E 39th, Cleveland, O.
Osgood J. L. Tool Co. ("Black Diamond"), Buffalo, N. Y.
Peninsular Emery Wheel Co. ("Huntington" Pattern), 253 Meldrum, Detroit, Mich.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
QUADRIGA MFG. & SPECIALTY CO. ("Rearwin" Spiral), 213 W Grand av, Chicago, Ill.
*See adv index at end of book*
Rock Island Mfg. Co., Rock Island, Ill.
Rose S. Co., 12 John, New York
Ross Mfg. Co., 3160 W 106th, Cleveland, O.
Scranton Whetsone & Abrasive Wheel Co., Scranton, Pa.
Sinsz Philip Co. (Diamond), 300 Hanover, Baltimore, Md.
Southington Hardware Co., Southington, Conn.
Springfield Mfg. Co., Bridgeport, Conn.
land, O.
Standard Tool Co., 6700 Central av, Cleveland, O.
Star Corundum Wheel Co., 241 Cavalry av, Detroit, Mich.
Stocker H. A. Machinery Co. ("Rearwin"), 117 N Jefferson, Chicago, Ill.
Tanite Co. ("Taylor"), Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.
Warren Axe & Tool Co. ("Huntington" Pattern), Warren, Pa.
Williams William, Jr. ("American," "Huntington"), New Britain, Conn.
Wrigley Thos. Co., 504 Sherman, Chicago, Ill.

## 3998— Dressers (Flour)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Barnard & Leas Mfg. Co., Moline, Ill.
Ehrsam J. B. & Sons Mfg. Co., Enterprise Kan.
Great Western Mfg. Co., Leavenworth Kan.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sprout, Waldron Co., Muncy, Pa.

## 3999—Dressers (Plumbers' Wooden)

See also Tools, Plumbers

Boggert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Stossel Carl Sons & Co., Front Royal, Va.

## 4000—Dressing (Carriage Top, Harness, Etc.)

Alder Chemical Co. ("Star-Clean"), Mount Vernon, N. Y.
American Oleite Sales Co. ("Oleite" Harness), 1404 Park pl, St. Louis, Mo.
Arnold N. B. ("Slikup," "Slikup Leather Kote"), 1 Sigourney, Brooklyn, N. Y.
Arnstein Eugene ("Century"), 45 W 26th, Chicago, Ill.
Baum's Castorine Co. ("Baum's"), Rome, N. Y.
Bosler E. H., 1935 Wabash av, Chicago, Ill.
Chicago Varnish Co. ("Abyssinium"), 2100 Elston av, Chicago, Ill.
Detroit White Lead Works ("Rogers"), 560 E Milwaukee, Detroit, Mich.
Durkee-Atwood Co. ("Pie-Nie" auto), 40 Wilder, Minneapolis, Minn.
Eberson Lindsley Paint Co. ("Leather Lac"), 1832 Morgan, St. Louis, Mo.
Endurance Autoil Co. ("Luster Finish"), Muncie, Ind.
Felton, Silbey & Co. ("Evernew"), 136 W 4th, Phila., Pa.
Fiebing Chemical Co. ("Presto" & Patent Leather), 240 Reed Milwaukee, Wis.
Flexol Co. ("Flexol"), 31 W 31st, New York
Hall-Thompson Co. ("Wonder-Worker"), Hartford, Conn.
Harsh-Miller Mfg. Co. (Also Auto), Wabash, Ind.
Hazen-Brown Co., 727 Atlantic av, Boston, Mass.
Hilo Varnish Corp. ("Hilo"), Marcy & Flushing avs, Brooklyn, N. Y.
Hollingshead R. M. Co. ("Hollingshead," Carriage & "Whiz" Auto Top), Camden, N. J.
Jewel Mfg. Co., 2863 W 22d, Chicago, Ill.
Johnston R. F. Paint Co. ("Leatherlac"), Pearl & Main, Cincinnati, O.
Lowe Bros. Co., Dayton, O.
Lucas John & Co. ("Lucas"), 322 Race, Phila., Pa.
McLean-Jones Oil & Supply Co., Inc. ("McLean's Swastika," Leather), 40 Court, Boston, Mass.
Matt F. & Co. ("Alcovie"), 491 Washington, Newark, N. J.
Miller Frank Co., 349 W 26th, New York
Murphy Varnish Co. (Enamel Varnish), 1224 McWhorter, Newark, N. J.
Northwestern Chemical Co. ("Pioneer"), Marietta, O.
Nu-Back Mfg. Co. ("Leath-R-Nu"), 114 N Commercial, St. Louis, Mo.
Polish Products Co. ("B-Brite"), Kansas City Mo.
Richmond Bros., 616 Main, Cincinnati, O.
Reid W. W. Mfg. Co. ("Waxol"), 17 Caldwell, Boston, Mass.
St. Louis Rubber Cement Co., 2046 Lambdin av, St. Louis, Mo.
Thumb E. W. ("Sun Shine"), 872 Orleans, Chicago, Ill.
Tingley Chas. O. & Co. ("C. O. T."), Rahway, N. J.
Valentine & Co., 456 4th av, New York
Viscol Co. ("Alol," "Pluviol"), Cambridge, Mass.
Wadsworth-Howland Co. ("Bay State"), 141 Federal, Boston, Mass.
Weiss Chas. & Son, 4715 Cottage Grove av, Chicago, Ill.
Weiss Polish Works ("American"), 216 S Winchester av, Chicago, Ill.
West's L. M. Sons ("West's Enamel," "New West," "Mohair," "Automobile"), Rockford, Ill.

## 4001— Dressing (Hoof)

Fiebing Chemical Co. ("Fiebing's"), 240 Reed, Milwaukee, Wis.
World Refining Co., Easton, Pa.

## 4002—Dressing (Leather Belt)

Bradford Belting Co., 36 Warren, New York
Buffalo Belt Dressing Co., Buffalo, N. Y.
Rosenberg Oil Co., 2066 Milwaukee av, Chicago, Ill.

## 4003—Dressing (Razor Strop)

Razorine Mfg. Co., 335 B'way, New York

## 4004— Dressing (Rope)

See also Wire Rope Coating & Lubricants

American Specialty Mfg. Co., Iron & Erie Ry, Cleveland, O.
Cling-Surface Co. ("Cling-Surface"), Buffalo, N. Y.
Dixon Josph Crucible Co., Jersey City, N. J.
Dodge Sales & Engineering, Mishawaka, Ind.

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Jobbers' Mfg. Co. ("Blue Ribbon"), 327 S La Salle, Chicago, Ill.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Nason R. N. & Co. (Wire Rope), 151 Potrero av, San Francisco, Cal.
**ROEBLING'S JOHN A. SONS CO.**, Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
**STEPHENSON MFG. CO.** ("Stephenson," Brown Label). Albany, N. Y.
Superior Chemical Mfg. Co. ("Superior"), Grand Rapids, Mich.
Wire Rope Lubricating Co., 40 Clinton, Newark, N. J.
Zurp O. F. Co. ("Ropoleum"), Broad & Lehigh, Phila., Pa.

## Dressing (Shoe)

See Shoe Blacking & Polish

## 4005— Dried Blood

Baker H. J. & Bro. (Imp.), 81 Fulton, New York
Davidson Commission Co., 140 W Van Buren, Chicago, Ill.
Dold Jacob Packing Co., Buffalo, N. Y.
Heller Jos. S. (Imported), 62 William, New York
Hollingshurst & Co., 66 Beaver, New York
Munro Robt. A. & Co. (Imp), 25 Pine, New York
Nitrate Agencies Co. (Imported), 102 Pearl, New York
Pittsburgh Provision & Packing Co., Herrs Isl., Pittsburgh, Pa.
Swift & Co., Union Stock Yards, Chicago, Ill.
Wilson & Co. (Also Tankage), Union Stock Yards, Chicago, Ill.

## 4006—Drifts (For Drill Sockets)

Armstrong Bros. Tool Co. ("Armstrong," Plain & Automatic), 339 N Francisco av, Chicago, Ill.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.

## 4007— Drill Ends (Rose)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

## 4008—*Drill Heads ("Diexco")

**DIAMOND EXPANSION BOLT CO.**, 89 West, New York
*See adv index at end of book*

## 4009—*Drill Press (Combination & Multi Vise Trident)

**DIAMOND EXPANSION BOLT CO.**, 89 West, New York
*See adv index at end of book*

## Drill Presses

See Drilling Machines

## 4010— Drill Speeders

Graham Mfg. Co. ("Graham"), 96 Point, Providence, R. I.
McCrosky Reamer Co. ("Wizard" Variable Speed & Reverse), Meadville, Pa.

## 4010a—*Drill Twist & Flat Drill Grinders

Keystone Grinder & Mfg. Co., 220 Penn av, Pittsburgh, Pa.

## 4011—Drill & Vise Combined

Adams A. L., Cedar Rapids, Ia.
Goodell-Pratt Co., Greenfield, Mass.
Millers Falls Co., 28 Warren, New York

## 4012—Drilling Outfits (Submarine)

Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Sullivan Machinery Co., Peoples Gas bldg., Chicago, Ill.

## Drills (Artesian Well)

See Machinery, Well Drilling

## Drills (Automatic)

See Drilling Machines, Automatic

## 4013—Drills (Beet Planting)

Allen S. L. & Co. ("Planet Jr."), 5th & Glenwood, Phila., Pa.
American Seeding Machine Co., Springfield, O.
Bacon Mfg. Co., Pontiac, Mich.
Bateman Mfg. Co., Grenloch, N. J.
Deere & Co. (Also Bean), Moline, Ill.
Fetzer & Co. ("McSherry," "Fetzer"), Springfield, Ill.
Parlin & Orendorff Co., Canton, Ill.
Thomas Mfg. Co., Springfield, O.
Wayne Works, Richmond, Ind.

## Drills (Bench)

See Drilling Machines, Bench

## 4013a— Drills (Bit Stock)

See also Drills, Chain Attachment

Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.

## 4014— Drills (Blacksmiths')

(Upright, Post & Bench)

See also Drilling Machines, Blacksmiths'

Beall Tool Co., East Alton, Ill.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
**DETROIT TWIST DRILL CO.**, 555 Fort W, Detroit, Mich.
Diamond Expansion Bolt Co., 89 West, New York *See adv index at end of book*
Hubbard & Co., 634 Butler, Pittsburgh, Pa.
Lincoln Twist Drill Co., Taunton, Mass.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co., Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio
Syracuse Twist Drill Co., Borden av, Syracuse, N. Y.

## 4015— Drills (Blast Hole)

**KEYSTONE DRILLER CO.** ("Keystone"), Beaver Falls, Pa.
*See adv index at end of book*

## Drills (Boiler Shell)

See Drilling Machines, Boiler

## 4016— Drills (Bracket)

Strong, Carlisle & Hammond Co. 336 Franklin av, N W, Cleveland, O.

## 4017—Drills (Breast & Hand, Geared)

See also Bit Braces; also Pneumatic Breast Drills

Bonney Shanks Co. ("Victor Turbine Drill," Air Driven), Chattanooga, Tenn.
Clark Jas., Jr., Electric Co. (Electrically Driven), Louisville, Ky.
Coates Clipper Mfg. Co. ("Coates" Housed Geared Flexible Shaft), Worcester, Mass.
Fray Jno. S. Co., Bridgeport, Conn.
**GEM MFG. CO.** ("Gem" for Use with Flexible Shafting), Goebel, nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*
Goodell-Pratt Co. ("Giant"), Greenfield, Mass.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Lancaster Machine & Knife Works, Lancaster, N. Y.
Malleable Iron Fittings Co. ("M. I. F. Co." Comb. Drill & Valve Grinder), Branford, Conn.
Millers Falls Co. (Ball Bearing), Millers Falls, Mass.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
Stanley Rule & Level Co. (Breast), New Britain, Conn.
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*
Temco Electric Motor Co. ("Temco," Electric), Leipsic, O.
Turner & Deegan, Bristol, Conn.
Wilkinson A. J. & Co. ("A. J. W. & Co."), 184 Washington, Boston, Mass.

## 4018—Drills (Brick & Stone)

(For Drilling Holes for Expansion Bolts, etc)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Brunner & Lay (Hollow Pipe for Brick, etc), 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Expansion Bolt Co. ("Chicago"), 324 W Washington, Chicago, Ill.
**DIAMOND EXPANSION BOLT CO.** ("Diamond N"), 89 West, New York
*See adv index at end of book*
Duffy J. F. Jr., 563 Fulton, Chicago, Ill.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Electro Magnetic Tool Co. (Electric Hammer), 2902 Carroll, Chicago, Ill.
Hubbard & Co. ("Peirce"), 63rd & Butler, Pittsburgh, Pa.
Irving Mfg. & Tool Co. ("Osborn"), 157 Chambers, New York
Kraeuter & Co., 583 18th av, Newark, N. J.
Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.
**STAR EXPANSION BOLT CO.** ("SEBCO"), 145 Cedar, New York
*See adv index at end of book*
Stewart & Romaine Mfg. Co., 124 N 6th, Phila., Pa.
**U. S. EXPANSION BOLT CO.**, 25 Elm, New York *See adv index at end of book*

## 4018a—*Drills (Carbon)

Whitman & Barnes Mfg. Co., Akron, O.
*See adv index at end of book*

## Drills (Carriage, Rubber)

See Carriage Cloth, Rubber & Enamel

## Drills (Center)

See Countersinks & Counter Drills Combined

## 4019—Drills (Chain Attachment, Bit Stock)

Buckeye Mfg. & Foundry Co. (Ball Bearing), 2046 W 55th, Cleveland, O.
**DETROIT TWIST DRILL CO.**, 555 Fort, Detroit, Mich.
*See adv index at end of book*
Fifield Bros. Co., Augusta, Me.
Goodell-Pratt Co. ("Giant" Automatic & Ratchet), Greenfield, Mass.
Grabler Mfg. Co. ("Wonder" & "Grabler" Self-Feeding), Cleveland, O.
Lincoln Twist Drill Co., Taunton, Mass.
Millers Falls Co. ("Millers Falls"), Millers Falls, Mass.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
Robinson M. W. Co. ("Dikeman"), 296 B'way, New York
**SMITH & HEMENWAY CO., INC.** ("Red Devil"), 261 H. B'way, New York; 130 H. Coit, Irvington, N. J.
*See adv index at end of book*
Union Twist Drill Co., Athol, Mass.
Upton & Gilman Machine Co. ("Duff"), Lowell, Mass.

## 4020— Drills (Churn)

Armstrong Mfg. Co., Armstrong bldg, Waterloo, Ia.
**INGERSOLL-RAND CO.** ("Calyx"), 11 B'way, New York
*See adv index at end of book*

## 4021— Drills (Clamp)

Goodell-Pratt Co. (Angular, Universal, etc), Greenfield, Mass.
Reed Francis Co. (4 Sizes), Worcester, Mass.
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.

## 4022— Drills (Coal, Etc.)

See also Machines, Coal Cutting

Bittenbender Geo. H. & Son, Plymouth, Pa.
Bittenbender W. W. & Co., Nanticoke, Pa.

DRILLS (COAL, ETC.)—continued

**Cyclone Machine Co. (Hand Only), Pittston, Pa.**
**Denver Rock Drill Mfg. Co. ("Waugh" Rock), Denver, Colo.**
Dooley Bros. (Hand), 1201 S Washington, Peoria, Ill.
Eagen Jas. A. (Hand & Power), Wyoming, Pa.
**Fulton Tool Works (Coal), Canal, Fulton, O.**
Hardsocg Martin Co. (Coal & Rock Drills), **922 South av, Pittsburgh, Pa.**
**Hardsocg Mfg. Co. (Hand Grip, Post, Post Ratchet, etc), Ottumwa, Ia.**
**Hardsocg Wonder Drill Co. ("Wonder," Steam & Air), Ottumwa, Ia.**
**Herzler & Henninger Machine Works ("Tornado" Coal Only), Belleville, Ill.**
**Howell's Mining Drill Co. ("Spry" Electric, also Hand & Power), Plymouth, Pa.**
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
**INGERSOLL-RAND CO.** ("Sergeant," "Jackhamer," "Butterfly," "Leyner-Ingersoll" Electric-air), 11 B'way, New York *See adv index at end of book*
**Iron City Tool Works, Ltd. (Anthracite & Soft Coal), 3201 Smallman, Pittsburgh, Pa.**
**JEFFREY MFG. CO. (Electric Rotary Coal), 961 N Fourth, Columbus, O.** *See adv index at end of book*
Joy Machine Co., Union Arcade, Pittsburgh, Pa.
Klein-Logan Co. (Hand), 13th & Breed, Pittsburgh, Pa.
**Leetonia Tool Co., Leetonia, O.**
**Le Grand Mine Drill Works, Wilkes-Barre, Pa.**
**Morgan-Gardner Electric Co. (Power), 27th & Shields av, Chicago, Ill.**
Nixon Ratchet Mining Drill Co., Chattanooga, Tenn.
**Peoria Coal Drill Works, Peoria, Ill.**
**Pettigrew Foundry Co. ("Acme" Hand, Coal Mining), Harvey, Ill.**
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
**Salem Tool Co. (Coal Only), Salem, O.**
Scranton Electric Construction Co. (Electric, for Mining Gypsum, Fire Clay, etc), **Scranton, Pa.**
South Side Fdry. & Mach. Works, Charleston, W. Va.
Wantling Isaac & Co. ("Champion" Post, "Little Wonder," "New Peoria," Grip Coal Drills), Peoria, Ill.
Warwood Tool Co., Warwood, W. Va.
**What Cheer Tool Co. ("Walker"), What Cheer, Ia.**

## 4023— Drills (Core)

American Well Works, 112 N Broadway, Aurora, Ill.
**Birdsboro Steel Foundry & Machine Co.,** Birdsboro, Pa.
Crafts Arthur A. & Co., 125 Summer, Boston, Mass.
Dobbins Core Drill Co., Inc., 147 W 42d, New York
Ellison Wm. & Sons Mfg. Co., St. Louis, Mo.
**INGERSOLL-RAND CO.** ("Calyx," "Diamondless"), 11 B'way, New York *See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa. *See adv index at end of book*
**Lake Shore Engine Works (Diamond), Marquette, Mich.**
**Longyear E. J. Co. ("Longyear" Mounted Gasoline Diamond Drill), Security Bank bldg, Minneapolis, Minn.**
**McKIERNAN-TERRY DRILL CO.,** 17 Park row, New York *See adv index at end of book*
Meyers W. F. Co., Bedford, Ind.
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**
Pennsylvania Drilling Co. (Diamond Drills to Test for Coal, Clay & all Minerals), 1812 W Carson, Pittsburgh, Pa.
Standard Diamond Drill Co. ("Diamond," Capacity 350 to 6,000 ft), 38 S Dearborn, Chicago, Ill.
Sullivan Machinery Co. ("Diamond"), Peoples Gas bldg, Chicago, Ill.

## 4024—Drills (Corn Planting)

**American Seeding Machine Co. (With Fertilizer Attachment), Springfield, O.**
**Avery B. F. & Sons, Louisville, Ky.**
Brinly Hardy Co., Louisville, Ky.
**Campbell Bros. Mfg. Co., Harrison, O.**
Case J. I. Plow Works ("F. F." "Pitman Drive"), Racine, Wis.
**Deere & Co. (Also Bean), Moline, Ill.**
Emerson-Brantingham Co. ("E-B") One-Horse with Fertilizer, two Row Riding), Rockford, Ill.
Fetzer & Co., ("McSherry" & "Fetzer"), **Springfield, Ill.**
**Gale Mfg. Co., Albion, Mich.**
**Hapgood Plow Co., Alton, Ill.**
**Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.**
**Janesville Machine Co., Janesville, Wis.**
**Moline Plow Co. ("Flying Dutchman" & "Champion"), Moline, Ill.**
**Ohio Rake Co., Dayton, O.**
**Parlin & Orendorff Co. ("P. & O." one two & three Row), Canton, Ill.**
**Peru Plow & Wheel Co., Peru, Ill.**
**Racine-Sattley Co. ("Sattley," "Crescent"), Springfield, Ill.**
**Rock Island Plow Co. ("Rock Island"), Rock Island, Ill.**
**St. Joseph Plow Co., St. Joseph, Mo.**
**Sechler D. M. Implement & Carriage Co. ("Black Hawk"), Moline, Ill.**
**Shortsville Wheel Co., Shortsville, N. Y.**
**Thomas Mfg. Co., Springfield, O.**
**Wayne Works, Richmond, Ind.**

## Drills (Cotter)

See Drilling Machines, Cotter & Key Seat

## 4025—Drills (Cotton Planting)

American Seeding Machine Co., Springfield, O.
Avery B. F. & Sons, Louisville, Ky.
Case J. I. Plow Works ("Pitman Drive"), Racine, Wis.
Deere & Co., Moline, Ill.
**Moline Plow Co., ("A-1" "Dutchess"), Moline, Ill.**
**Racine-Sattley Co. ("Alomo," "Tonapah"), Springfield, Ill.**
**Rock Island Plow Co., Rock Island, Ill.**
**Thomas Mfg. Co., Springfield, O.**

## 4026— Drills (Diamond)

Acme Diamond Tool Co., 12-16 John, New York *See adv index at end of book*
Crafts Arthur A. & Co. (Lens & Lip), 125 Summer, Boston, Mass.
**Ingersoll-Rand Co., 11 B'way, New York** *See adv index at end of book*
Levine Abr., 14 John, New York *See adv index at end of book*
**Mendes Cutting Factories, 12 John, New York**
Meyers W. F. Co., Bedford, Ind.
**Wennstrom's John Sons Co., Suffern, N. Y.**

## Drills (Diamond Core)

See Drills, Core

## 4027-8—Drills (Electric Portable)

Ajax Electric Tool Co. ("Jackson"), **Ludington, Mich.**
**American Electric Tool Co. ("Carver"), West Newton, Mass.**
Arnold Electric Tool Co. ("Arnold"), 902 Chapel, New Haven, Conn.
**Black & Decker Mfg. Co. ("B. & D"), 111 So Calvert, Baltimore, Md.**
**Cary Jas. H. Portland, Me.**
**CHICAGO PNEUMATIC TOOL CO.** ("Little Giant" Air Cooled), 6 E 44th, New York *See adv index at end of book*
**Cincinnati Electrical Tool Co., Cincinnati, O.**
**Clark Jas., Jr., Electric Co., Louisville, Ky.**
**Coates Clipper Mfg. Co., Worcester, Mass.**
Electric Tachometer Co. ("Locke"), 430 N Broad, Phila, Pa.
**Emerson Electric Mfg. Co. (Motor Driven), 2024 Washington av, St. Louis, Mo.**
Haskins R. G., 27 S La Salle, Chicago, Ill.
Herbert Alfred, Ltd., 54 Dey, New York *See adv index at end of book*
**Hisey-Wolf Machine Co. ("Hisey"), Cincinnati, O.**
Independent Pneumatic Tool Co., 600 W Jackson, Chicago, Ill.
**Neil & Smith Electric Tool Co. ("Ideal"),** 8th & B'way, Cincinnati, O.
**Scranton Electric Construction Co. (For Mining Gypsum, Fire Clay, etc), Scranton, Pa.**
**Sprague Electric Works, 527 W 34th, New York**
Standard Elec. Tool Co., York & Western av, Cincinnati, O.
**STOW MFG. CO.,** Binghamton, N. Y. *See adv index at end of book*
Temco Electric Motor Co. ("Temco" Drills & Motors), Leipsic, O.
**UNITED STATES ELECTRICAL TOOL CO.,** 549 W Washington blvd., Chicago, Ill. *See adv index at end of book*
**UNITED STATES ELECTRICAL TOOL CO.** (Hand), Cincinnati, O. *See adv index at end of book*
Van Dorn Electric Tool Co. ("Van Dorn"), 2978 Woodhill, Cleveland, O.

**When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER**


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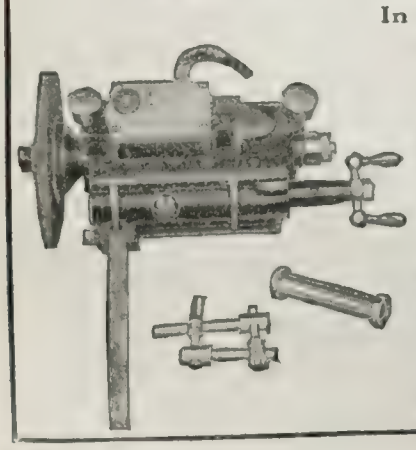

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**THE U. S. PORTABLE ELECTRIC TOOLS**

**H Center Grinder**

For grinding Centers, Cutters, Dies, Rolls and Internal and Surface Grinding. Set in Tool Post of Lathe, Planer or Milling Machine.
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**UNIVERSAL MOTOR DRILLS**

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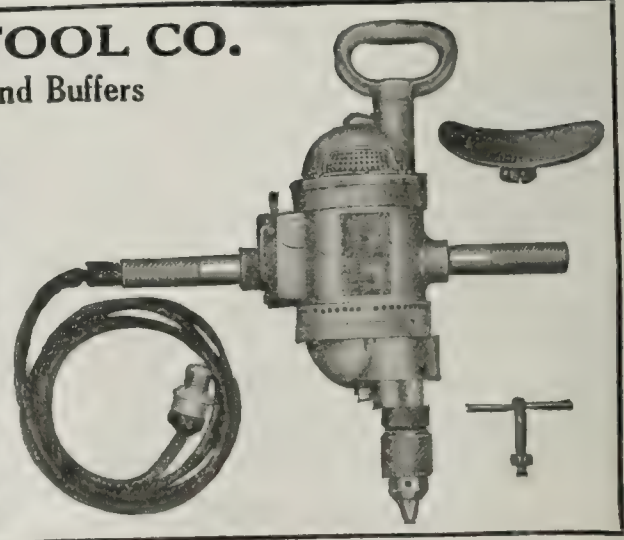
This Drill is made to operate either D C. of 110 or 220 volts or A. C. 110 or 220 volts, 25-30-40 or 60-cycle, single phase. The motors are manufactured by the Westinghouse Electric and Manufacturing Co.

This drill is made in 3/16, ¼, 5/16, ⅜, ½, ⅝, ⅞, 1, 1¼" size.



Wisconsin Electric Co., 1600 Junction av, Racine, Wisc.
*See adv index at end of book*

DUMORE
GEARED ELECTRIC DRILLS
PORTABLE AND BENCH TYPES
WISCONSIN ELECTRIC CO.
1600 JUNCTION AVE. RACINE WIS. U.S.A.

## Drills (Electrician's)

See Drills & Bits, Electricians'

## 4029— Drills (Extension)

Grabler Mfg. Co. (For Drilling Into I Beams or Concrete), Cleveland, O.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Star Expansion Bolt Co. ("Star"), 145 Cedar, New York
*See adv index at end of book*
Steward & Romaine Mfg. Co., 124 N 6th, Phila., Pa.

## 4030— Drills (Fertilizer)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Philadelphia, Pa.
American Seeding Machine Co., Springfield, O.
Bateman Mfg. Co. ("Iron Age" Hand), Grenloch, N. J.
Crown Mfg. Co., Phelps, N. Y.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Fetzer & Co. ("McSherry" & "Fetzer"), Springfield, Ill.
Genesee Valley Mfg. Co., Mt. Morris, N. Y.
Genung C. W. ("Iron King" Hand), Madison, Ohio
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
Hench & Dromgold Co., York, Pa.
National Drill Co., Cambridge City, Ind.
Ontario Drill Co., East Rochester, N. Y.
Rude Mfg. Co., Liberty, Ind.
Thomas Mfg. Co., Springfield, O.
Wayne Works, Richmond, Ind.

## 4031— Drills (Flat)

Eagle Tool Works, Bayonne, N. J.
Pratt & Whitney Co., Hartford, Conn.
Rich Tool Co., Ry. Exchange bldg, Chicago, Ill.

## Drills (Flat High Speed)

See Drills, Flat Twist

## 4032—*Drills (Flexible Shaft)

GEM MFG. CO. ("Gem" Electric), Goebel, nr Fulton, N S. Pittsburgh, Pa.
*See adv index at end of book*
STOW MFG. CO., Binghamton, N. Y.
*See adv index at end of book*

## 4033— Drills (Friction Disc)

Barnes W. F. & Jno. Co. ("Barnes" Bench), Rockford, Ill.
Hoefer Mfg. Co., Freeport, Ill.

## Drills (Gang)

See Drilling Machines, Gang

## 4034— Drills (Garden Seed)

Ames Plow Co., Framingham, Mass.
Bacon Mfg. Co., Pontiac, Mich.
Bateman Mfg. Co., Grenloch, N. J.
Genung C. W., Madison, O.
McWhorter Mfg. Co., Riverton, N. J.
Thornburgh Mfg. Co, Bowling Green, O.

## 4035— Drills (Grain)

American Seeding Machine Co. ("Buckeye," "Farmer's Favorite," "Fountain City," "Superior" Hoe, Shoe, Disc, also Low Down Press), Springfield, O.
Beatrice Iron Works, Beatrice, Neb
Beaver Dam Mfg. Co. Beaver Dam, Wis.
Champion Drill Co. ("Champion," "New York Champion"), Avon, N. Y.
Champion Wagon Co., Owego, N. Y.
Cole Mfg. Co. (3 Row), Charlotte, N. C.
Crown Mfg. Co., Phelps, N. Y.
Dempster Mill Mfg. Co. ("Dempster," "New Era"), Beatrice, Neb.
Dowagiac Drill Co. ("Cassapolis," "Dowagiac"), Dowagiac, Mich.
Emerson-Brantingham Co. ("EB" Plain & Fertilizer), Rockford, Ill.
Farquhar A. B. Co., Ltd. ("Pennsylvania" Force, Feed, Grain, Grass & Phosphite), York, Pa.
Fetzer & Co. ("Columbia," "Plymouth," "Southern," "McSherry" & "Fetzer"), Springfield, Ill.
Galloway Wm. Co., Waterloo, Ia.
Gantt Mfg. Co., Macon, Ga.
Genesee Valley Mfg. Co. ("Missouri"), Mount Morris, N. Y.
Gundlach Philip M. Sons (Force Feed), Bellville, Ill.
Hapgood Plow Co., Alton, Ill.
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
Hench & Dromgold Co. ("York"), York, Pa.
Hocking Valley Mfg. Co., Lancaster, O.
King Drill Mfg. Co. ("King"), Nebraska City, Neb.
La Crosse Plow Co. ("Imperial"), La Crosse, Wis.
Messinger Mfg. Co. (With Grass Seeder), Tatamy, Pa.
Moline Plow Co. ("Monitor"), Moline, Ill.
Monitor Drill Co., St. Louis Park, Minn.
Monmouth Plow Factory, Monmouth, Ill.
National Drill Co., Cambridge City, Ind.
Ontario Drill Co., E. Rochester, N. Y.
Owatonna Mfg. Co., Owatonna, Minn.
Peoria Drill & Seeder Co. ("Illinois," "Union"), Peoria, Ill.
Rock Island Plow Co., Rock Island, Ill.
Rude Mfg. Co. ("Rude," "Rude-Northwestern," "Indiana"), Liberty, Ind.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co. ("Thomas"), Springfield, O.
Van Brunt Mfg. Co., Horicon, Wis.
Wayne Works, Richmond, Ind.
Wood Walter A. Mowing & Reaping Machine Co. ("Climax"), Hoosick Falls, N. Y.

## 4036-7— Drills (Grain Disc)

See also Drills, Grain

American Seeding Machine Co., Springfield, O.
Beaver Dam Mfg. Co., Beaver Dam, Wis.
Brinly Hardy Co., Louisville, Ky.
Champion Drill Co., Avon, N. Y.
Crown Mfg. Co., Phelps, N. Y.
Dempster Mill Mfg. Co., Beatrice, Neb.
Dowagiac Drill Co., Dowagiac, Mich.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fetzer & Co. ("McSherry" & "Fetzer), Springfield, Ill.
Genesee Valley Mfg. Co., Mt. Morris, N. Y.
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
La Crosse Plow Co. ("Imperial"), La Crosse, Wis.
Monitor Drill Co., St. Louis Park, Minn.
Ontario Drill Co., E. Rochester, N. Y.
Owatonna Mfg. Co., Owatonna, Minn.
Peoria Drill & Seeder Co., Peoria, Ill.
Rock Island Plow Co. (Comb Disc Drill & Harrow), Rock Island, Ill.
Thomas Mfg. Co. (Plain & Fertilizer), Springfield, O.
Van Brunt Mfg. Co. (Shoe & Hoe & Low Down Press), Horicon, Wis.
Wayne Works, Richmond, Ind.

## Drills (Grain & Fertilizer Combined)

See Drills, Grain

## Drills (Hammer)

See Drills, Rock, Air Hammer

## Drills (Hammer, Brick & Stone)

See Drills, Brick & Stone

## 4038— Drills (Hand Power)

Arnold Elec. Tool Co. ("Arnold"), 902 Chapel, New Haven, Conn.
Buffalo Forge Co. (Hand, Pulley & Motor Driven), Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Chicago Expansion Bolt Co. ("Chicago"), 324 W. Washington, Chicago, Ill.
Fray Jno. S. Co. (Malleable Iron Frame), Bridgeport, Conn.
Goodell-Pratt Co. (Double Geared, etc), Greenfield, Mass.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Jones E. D. & Sons Co. (For Metal), Pittsfield, Mass.
Lakepoint J. N. Co., New London, Conn.
Millers Falls Co. (Ball Bearing), Millers Falls, Mass.
North Bros. Mfg. Co. ("Yankee," Automatic & Reciprocating, for Carpenters, etc), cor N American & Lehigh av, Phila., Pa.
Rutschman Oscar F., 1906 E Westmoreland, Phila., Pa.
Ryerson Joseph T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
UNITED STATES ELECTRICAL TOOL CO., Cincinnati, O.
*See adv index at end of book*
Upton & Gilman Machine Co. (With Screw Feed & Chain Attachment), Lowell, Mass.

## Drills (High Speed)

See Drills, Twist, High Speed

## 4039— Drills (Joist)

Bowlus Mfg. Co. ("Bowlus"), Springfield, Ohio.

## 4040—*Drills (Machine for Drilling Concrete)

DIAMOND EXPANSION BOLT CO. ("Rapid Fire"), 89 West, New York
*See adv index at end of book*

## 4041—Drills (Marble & Granite)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Lincoln Iron Works, Rutland, Vt.
Meyers W. F. Co., Bedford, Ind.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.

## 4042— Drills (Mine Ratchet)

Bonney Shanks Co., Chattanooga, Tenn.
Jones Machine & Foundry Co. ("Jones'" Reversible), Chattanooga, Tenn.
Peglar Machinery Co., Chattanooga, Tenn.
South Side Fdry. & Mach. Works, Charlestown, W. Va.
What Cheer Tool Co. ("Moser"), What Cheer, Ia.

## 4043—Drills (Mine, Self-Feeding)

Ohio Brass Co., Mansfield, O.
*See adv index at end of book*

## Drills (Multiple Spindle)

See Drilling Machines, Multiple Spindle

## 4044— Drills (Onion)

Allen S. L. & Co. ("Planet Jr." Single Row), 5th & Glenwood, Phila, Pa.
Bacon Mfg. Co. ("Bacon" Two Row), Pontiac, Mich.
Genung C. W. ("Iron King" Single Row), Madison, O.

## 4045— Drills (Paper)

Hickok W. O. Mfg. Co., Harrisburg, Pa.

## 4046— Drills (Pipe)

Star Expansion Bolt Co. ("Star"), 145 Cedar, New York
*See adv index at end of book*
Steward & Romaine Mfg. Co., 124 N 6th, Phila., Pa.

## 4047—*Drills (Pipe & Star Face)

DIAMOND EXPANSION BOLT CO., 89 West, New York
*See adv index at end of book*
Star Expansion Bolt Co., 145 Cedar, New York *See adv index at end of book*

## Drills (Piston Air)

See Pneumatic Piston Drills

## Drills (Plug)

See Pneumatic Plug Drillers

## Drills (Portable)

See Drilling Machines, Portable

## 4048— Drills (Post)

See also Drills, Blacksmith's

Aurora Tool Works, Aurora, Ind.
Buffalo Forge Co. (Floor & Bench), Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief," Automatic Self - Feed), Chicago Heights, Ill.
Champion Blower & Forge Co. ("Champion" Self-Feed, etc), Lancaster, Pa.
Goodell-Pratt Co. (Or Wall), Greenfield, Mass.
Illinois Iron & Bolt Co. ("Handy" & "Bailey" Ball Bearing, Hand or Power), Carpentersville, Ill.
Kane & Roach, Syracuse, N. Y.
Potts D. H. Co., Lancaster, Pa.
Reed Francis Co., Worcester, Mass.
Silver Mfg. Co., No. 256 Salem, O.
**SMITH & HEMMENWAY CO.**, 261 H. B'way, New York & 130 H. Colt, Irvington, N. Y.
*See adv index at end of book*

## 4049— Drills (Post Mining)

**Beall Brothers, Inc., Alton, Ill.**
Fulton Tool Co., 313 6th av, Pittsburgh, Pa.
**Howell Mining Drill Co. (Ball Bearing, Heavy Geared), Plymouth, Pa.**
**What Cheer Tool Co. ("Walkers," "Little Jap"), What Cheer, Ia.**
Whitcomb Geo. D. Co. ("Whitcomb"), Rochelle, Ill.

## 4050—Drills (Prospecting, Hand or Power)

American Well Works (Power Only), 112 N Broadway, Aurora, Ill.
**Armstrong Mfg. Co. (Kerosene & Oil Engine or Elec. Motor Power), Waterloo, Ia.**
**Birdsboro Steel Foundry & Machine Co. ("Diamond"), Birdsboro, Pa.**
**Ingersoll-Rand Co. 11 Broadway, New York.** *See adv index at end of book*
**KEYSTONE DRILLER CO. (Power Prospecting), Beaver Falls, Pa.**
*See adv index at end of book*
New York Engineering Co. ("Empire" Hand), 2 Rector, New York
Sparta Iron Works Co., Sparta, Wis.
Sullivan Machinery Co. ("Diamond" Core), Peoples Gas bldg, Chicago, Ill.
**Union Iron Works Co., 20th & Michigan, San Francisco, Cal.**

## 4050a— Drills (Radial)

See also Drilling Machines, Radial

Silver Mfg. Co. (2½-3-3½ ft), No. 256 Salem, O.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
**UNITED STATES ELECTRICAL TOOL CO.**, 549 Washington blvd., Chicago, Ill. *See adv index at end of book*

## 4050b— Drills (Rail Bonding)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Cleveland Twist Drill Co., 1 E 49th Cleveland, O.

## 4051—Drills (Railway Track)

**Aldon Co. ("Standard," "Biland" Paulus Pattern Automatic Feed), 3338 W Ravenswood av, Chicago, Ill.**
Bissell F. Co. ("Security"), Toledo, O.
**Buda Co. ("Hyduty" Automatic Feed & "Buda-Wilson" for Bonding Work), Railway Exchange bldg, Chicago, Ill.**
**CHICAGO PNEUMATIC TOOL CO.** ("Little Giant" Electric), 6 E 44th, New York *See adv index at end of book*
**Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.**
Crerar, Adams & Co. ("Calumet), 259 E Erie, Chicago, Ill.
**Fairbanks, Morse & Co. ("Sheffield" Self-Feeding), 900 S Wabash av, Chicago, Ill.**
Fox Bros. & Co., 126 Lafayette, New York
Gallagher Bernard, Lynn, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Handlan-Buck Mfg. Co. ("Handlan," "Paulus," "Beland," "Underwood," "Champion," "Noble" & "Union Pacific"), 210-14 N 3rd, St. Louis, Mo.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Johnson Isaac G. & Co. ("Victor"), Spuyten Duyvil, New York
Johnston & Jennings Co. ("Ludlow" Electric), Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Kalamazoo Railway Supply Co. ("Moore"), Kalamazoo, Mich.
Lincoln Twist Drill Co., Taunton, Mass.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill. *See adv index at end of book*
**LOWELL WRENCH CO.** ("I. X. L." Reversible Ratchet), 54 Commercial, Worcester, Mass.
*See adv index at end of book*
Michigan Machinery Mfg. Co., ("Sweet"), Ypsilanti, Mich.
Millers Falls Co., 28 Warren, New York
National-Standard Co. ("Standard," "Climax"), Box 211, Niles, Mich.
Pettibone, Mulliken & Co. ("Ball," "Union," "Perfection"), 140 S Dearborn, Chicago, Ill.
Pratt & Whitney Co. ("Renshaw"), Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio
Rich Tool Co., Railway Ex. bldg, Chicago, Ill.
Signal Accessories Corp., Utica, N. Y.
Standard Tool Co., 6700 Central av, Cleveland, O.
**Stow Mfg. Co. (Flexible Shaft), Binghamton, N. Y.** *See adv index at end of book*

## 4052— Drills (Ratchet)

**Armstrong Bros. Tool Co. ("Armstrong" Universal, Short, Standard & Packer), 339 N Francisco av, Chicago, Ill.**
**Ashcroft Mfg. Co., 119 W 40th, New York**
**Bagshaw & Field (Flat), 445 N 5th, Phila., Pa.**
**Billings & Spencer Co. (Double-Acting "Packer" for Flat & Square Shank Drills), Hartford, Conn.**
**Braunsdorf-Mueller Co., Elizabeth, N. J.**
Brewer Bros. Co., 2nd & Somerset, Phila, Pa.
**Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.**
**DETROIT TWIST DRILL CO.**, 555 Fort, Detroit, Mich.
*See adv index at end of book*
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York
Gallagher Mfg. Co. ("Universal"), Lynn, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Irving Mfg. & Tool Co. ("Weston's" Packer), 157 Chambers, New York
Keystone Mfg. Co. ("Monarch," "Keystone," "Giant," "Weston"), Buffalo, N. Y.
King A. R. Mfg. Co. ("Packer"), Kingston, N. Y.
Lincoln Twist Drill Co., Taunton, Mass.
Lovejoy Tool Works ("Packer"), 319 W Ohio, Chicago, Ill.
*See adv index at end of book*
**LOWELL WRENCH CO. ("S. T. D." Reversible), 54 Commercial, Worcester, Mass.** *See adv index at end of book*
Millers Falls Co. (Flat), 28 Warren, New York
Parker Chas. Co., Meriden, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt & Whitney Co. ("Renshaw"), Hartford, Conn.
Reed Francis Co. (Plain & Geared), Worcester, Mass.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Stortz John & Son (Flat & Pipe), 210 Vine, Phila., Pa.

## 4053— Drills (Rice Planting)

American Seeding Machine Co. ("Buckeye," "Farmer's Favorite," "Superior"), Springfield, O.
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York
Fetzer & Co. ("Columbia," "Plymouth," "Southern," "McSherry" & Fetzer"), Springfield, Ill.
Genesee Valley Mfg. Co. ("Missouri"), Mt. Morris, N. Y.
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
Moline Plow Co. ("Monitor"), Moline, Ill.
Peoria Drill & Seeder Co., Peoria, Ill.
Thomas Mfg. Co. ("Thomas"), Springfield, O.
Wayne Works, Richmond, Ind.

## Drills (Rock, Air)

See Pneumatic Rock Drills

## 4054—Drills (Rock, Air Hammer)

(For Mining & Construction)

Denver Rock Drill Mfg. Co ("Waugh" Drifting, Stopping & Sinking), Denver, Col.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
**INGERSOLL-RAND CO.**, 11 B'way, New York *See adv index at end of book*
Shaw C. H. Pneumatic Tool Co., Denver, Colo.
Sullivan Machinery Co. ("Sullivan"), People's Gas bldg., Chicago, Ill.
Whitcomb Geo. D. Co., Rochelle, Ill.

## 4055—Drills, (Rock, Autotraction)

Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*

## 4056—Drills (Rock, Compressed Air)

Howell's Mining Drill Co., Plymouth, Pa.
**INGERSOLL-RAND CO.** ("Sergeant," "Butterfly," "Leyner - Ingersoll," **"Jackhamer," "Bull Moose," "Stopehamer"), 11 B'way, New York**
*See adv index at end of book*
McKiernan-Terry Drill Co., 15 Park row, New York
**Rix Compressed Air & Drill Co. ("Torpedo Baby Drill), 505 Howard, San Francisco, Cal.**
Rogers Jno. M. Works, Gloucester City, N. J.
Schramm Chris. D. & Son, Inc. (Up to 6' Holes, in any Rock; Self Rotating Drill up to 12' Holes), 709 Arch, Phila, Pa.
Shaw C. H., Pneumatic Tool Co., Denver, Colo.

## 4057—Drills (Rock, Electric)

Armstrong Mfg. Co., Waterloo, Ia.
Dulles-Baldwin Elec. Drill Co., 220 W 42d, New York
Fowden Gasoline & Electric Rock Drill Co., 4th & Walnut, Phila., Pa.
**GENERAL ELECTRIC CO., Schenectady, New York**
*See adv index at end of book*
Herbert Alfred Ltd., 54 Dey st, New York
*See adv index at end of book*
Howell's Mining Drill Co., Plymouth, Pa.
Marvin Electric Drill Co., Binghamton, N. Y.
Mine & Smelter Supply Co. ("Durkee"), 42 B'way, New York
Morgan-Gardner Electric Co., 27th & Shields av, Chicago, Ill.
Pneumelectric Machine Co., Syracuse, N.Y.

## 4058—*Drills (Rock, Electric Air)

See also Drills, Rock, Electric

Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*

## 4059—Drills (Rock, Gasoline)

Armstrong Mfg. Co., Waterloo, Ia.
Fowden Gasoline & Electric Rock Drill 4th & Walnut, Phila., Pa.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Scott Drill Co. ("Scott"), Bk. of Commerce bldg, St. Louis, Mo.

## 4060— Drills (Rock, Hand)

**CHICAGO PNEUMATIC TOOL CO.**, 6 E. 44th, New York
*See adv index at end of book*
Cleveland Rock Drill Co., 3734 E 78th, Cleveland, O.
Denver Rock Drill Mfg. Co. ("Waugh" Hand Sinker), Denver, Colo.
**Ingersoll-Rand Co. ("Jackhamer," "Bull Moose," "Invincible"), 11 Broadway, New York**
*See adv index at end of book*
Vogl Tool Co., 912 E 19th, Kansas City, Mo.

## 4061— Drills (Rock, Steam)

See also Drills, Rock, Electric; also Pneumatic Rock Drills

Acme Road Machinery Co., Frankfort, N. Y.
Armstrong Mfg. Co., Waterloo, Ia.
**CHICAGO PNEUMATIC TOOL CO.,** 6 E. 44th, New York
*See adv index at end of book*
Cleveland Rock Drill Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
Denver Rock Drill Mfg. Co. ("Waugh," for Stopping, Sinking & Drifting), Denver, Colo.
Hardsocg Wonder Drill Co. (Reciprocating or Piston), Ottumwa, Ia.
**INGERSOLL-RAND CO.** ("Sergeant," "Leyner - Ingersoll," "Jackhamer," "Butterfly"), 11 B'way, New York
*See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Le Grand Mine Drill Wks. (Coal & Rock Mine), Wilkes-Barre, Pa.
**McKIERNAN-TERRY DRILL CO.,** 17 Park row, New York
*See adv index at end of book*
Mine & Smelter Supply Co. ("Holman"), 42 B'way, New York
Rogers John M. Works, Gloucester City, N. J.
Sullivan Machinery Co. (Steam or Air), Peoples Gas bldg, Chicago, Ill.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.
Wickes Machy. Co. ("Murphy's" Little Champion), Jersey City, N. J.

## 4062-3— Drills (Rose)

Racky Albert C. 531 S 5th av, Chicago, Ill.

## Drills (Sensitive)

See Drilling Machines, Sensitive

## 4064— Drills (Shell)

Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Lincoln Twist Drill Co., Taunton, Mass.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio

Yonts C. H. & Co. (Combination), Meadville, Pa.

## 4065— Drills (Slate)

**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O.
*See adv index at end of book*
Nixon Ratchet Mining Drill Co., Chattanooga, Tenn.
Ruggles Machine Co., Poultney, Vt.

## 4066— Drills (Star)

See also Drills, Brick & Stone

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brewer Bros. Co., 2nd & Somerset, Phila, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Delaware Tool Co., Wilmington, Del.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Eagle Tool Works, Bayonne, N. J.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
*See adv index at end of book*
Mound Tool Co., 1203 S 7th, St. Louis, Mo.
Racky Albert C., 531 S 5th av, Chicago, Ill.
**STAR EXPANSION BOLT CO.,** ("Sebco") 145 Cedar, New York
*See adv index at end of book*
Steward & Romaine Mfg. Co., 124 N 6th, Phila., Pa.
Stortz Jno. & Son (Stone), 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
**UNITED STATES EXPANSION BOLT CO.** (For Brick & Stone), 25 Elm, New York *See adv index at end of book*
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 4067— Drills (Stove)

Wolverine Brass Works, Grand Rapids, Mich.
Yonts C. H. & Co., Meadville, Pa.

## Drills (Suspension)

See Drilling Machines, Suspension

## 4068— Drills (Tamp Churn)

Armstrong Mfg. Co., Waterloo, Ia.
Hardsocg Mfg. Co. (Iron & Copper), Ottumwa, Ia.
Hardsocg Wonder Drill Co. (Copper), Ottumwa, Ia.
Sparta Iron Works Co., Sparta, Wis.
What Cheer Tool Co. (Iron & Copper for Coal Mining), What Cheer, Ia.

## 4069— Drills (Tap)

Card S. W. Mfg. Co., Mansfield, Mass.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
**DETROIT TWIST DRILL CO.,** 555 Fort, Detroit, Mich.
*See adv index at end of book*
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio
Ryerson Jos. T. & Son ("Ryerson-Forged"), 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
Union Twist Drill Co., Athol, Mass.

## 4070—*Drills (Taper Shank)

Ryerson Jos. T. & Son ("Ryerson-Forged"), 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

## Drills (Track)

See Drills, Railway Track

## Drills (Traverse)

See Drilling Machines, Traverse

## Drills (Turret)

See Drilling Machines, Turret

## 4071— Drills (Twist)

Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*
**BLANCKE A. C. & CO.** (High Speed & Carbon), 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Boker H. & Co. Inc. ("Novo Superior"), 101 Duane, New York
Brady F. A. ("Tabrady"), 30 Church, New York
Buckeye Twist Drill Co., Alliance, O.
Clark Equipment Co. ("Celfor"), Buchanan, Mich.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Davidson Tool Mfg. Corp., 12 Maiden Lane, New York
Detroit Reamer & Tool Co. (Three & Four Flute), 302 E Congress, Detroit, Mich.
**DETROIT TWIST DRILL CO.** ("Graham" Straight & Taper), 555 Fort, Detroit, Mich. *See adv index at end of book*
Down Tool Works, Fleetwood, Pa.
Ebstein Bros. ("Gladium" Imp.), 127 Duane, New York
Etna Co., Taunton, Mass.
**FASTFEED DRILL & TOOL CORP.,** Toledo, Ohio, & 21 Murray, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Lincoln Twist Drill Co. ("Pioneer," "Lincoln," "L-W" High Speed and Reamers), Taunton, Mass.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co. ("National"), Detroit, Mich.
New Process Twist Drill Co. (Taper Shank), Taunton, Mass.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W 9th Cleveland, Ohio
Rich Tool Co., Ry. Exchange bldg, Chicago, Ill.
Rockford Twist Drill Co. (Carbon & High Speed), Rockford, Ill.
Rogers H. A. Co. (Jobbers), 87 Walker, New York *See adv index at end of book*
Ryerson Jos. T. & Son ("Ryerson-Forged"), 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill .
*See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.

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DRILLS (TWIST)—continued

**TOOL SALVAGE CO.** (Salvaged), 407 Fort, E Detroit, Mich.
**Union Twist Drill Co., Athol, Mass.**

## 4072—Drills (Twist, High Speed)

Am. Twist Drill Co. (Forged), Detroit, Mich.
Brady F. A. ("Fabrady"), 30 Church, New York
Buckeye Twist Drill Co. ("Buckeye"), Alliance, O.
Clark Equipment Co. ("Celfor"), Buchanan, Mich.
Cleveland Twist Drill Co. ("Paragon"), 1 E 49th, Cleveland, O.
Detroit Reamer & Tool Co. (3 & 4 Flute), 302 E Congress, Detroit, Mich.
**DETROIT TWIST DRILL CO.**, 555 Fort, Detroit, Mich.
*See adv index at end of book*
**FASTFEED DRILL & TOOL CORP.**, Toledo, Ohio, and 21 Murray, New York
**HERBERT ALFRED LTD.**, 54 Dey st, New York *See adv index at end of book*
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
**New Process Twist Drill Co. ("Vanadium"), Taunton, Mass.**
**Pratt & Whitney Co., Hartford, Conn.**
Republic Tool & Mfg. Co., 1401 W 9th Cleveland, Ohio
Rich Tool Co., Ry. Exch. bldg, Chicago, Ill.
U.S. High Speed Steel & Tool Corp. ("Challenger"), 489 5th av
Ryerson Jos. T. & Son ("Ryerson-Forged"), 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill .
*See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Tool Salvage Co. (Salvaged), 407 Fort, E. Detroit, Mich.
Union Twist Drill Co., Athol, Mass.
**WHITMAN & BARNES MFG. CO.**, Akron, Ohio *See adv index at end of book*

## Drills (Universal)

**See Drilling Machines, Universal Radial**

## Drills (Upright)

**See Drilling Machines, Vertical**

## 4073-4— *Drills (Wagon)

**Ingersoll-Rand Co., 11 B'way, New York**
*See adv index at end of book*

## 4075—Drills & Bits (Electricians')

**See also Drills, Hammer, Brick & Stone**
American Plaster Drill Co., 122 Troop av, New York
**Bagshaw & Field, 445 N 5th, Phila., Pa.**
**Cincinnati Tool Co. ("Hargraves"), Norwood, Cincinnati, O.**
*See adv index at end of book*
**Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.**
Daugherty-Smith-Phillips Co., 502 W Division, Chicago, Ill.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich. *See adv index at end of book*
Deuse J. S. (Bits & Gimlets), Chester, Conn.
Diamond Expansion Bolt Co., 89 West, New York. *See adv index at end of book*
Dicke Tool Co., Downers Grove, Ill.
**Ford Auger Bit Co. ("Ford"), Holyoke, Mass.**
**Forest City Bit & Tool Co., Rockford, Ill.**
Ives W. A. Mfg. Co. ("Mephisto"), Wallingford, Conn.
**Kraeuter & Co. (For Brick & Stone), 583 18th av, Newark, N. J.**
Lebanon Mach. Co., Lebanon, N. H.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co., Millers Falls, Mass.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Nat. Twist Drill & Tool Co., Brush nr E Grand blvd, Detroit, Mich.
**Pugh Job T., 31st & Ludlow, Phila, Pa.**
**SMITH & HEMENWAY CO., INC.** ("Red Devil"), 261 H B'way, New York, & 130 H Colt, Irvington, N. J.
*See adv index at end of book*
**Snell Mfg. Co., Fiskdale, Mass.**
Standard Tool Co., 6700 Central av, Cleveland, O.
Star Bit & Tool Co. (Wood Working), Rockford, Ill.
Star Expansion Bolt Co., 145 Cedar, New York *See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.
Swan James Co., Seymour, Conn.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Union Twist Drill Co., Athol, Mass.
Wisconsin Elec. Co. ("Dumore"), 1600 Junction av, Racine, Wis.
*See adv index at end of book*

## 4076-7—Drills & Listers (Combined)

Gale Mfg. Co. (Riding & Walking), Albion, Mich.
Moline Plow Co. ("Puritan" Walking, "Tri Belle," & "Western Belle" Riding), Moline, Ill.
Racine-Sattley Co., Springfield, Ill.
Rock Island Plow Co. ("Rock Island"), Rock Island, Ill.

## Drinking Cups

**See Cups, Drinking, Collapsible; also Cups, Paper**

## 4078— Drips (Gauge Cock)

Knapp Mfg. & Supply Co., 241 Water, New York

## 4079-80— Drivers (Bolt)

Armstrong Bros. Tool Co. ("Armstrong"), 339 N Francisco av, Chicago, Ill.

## 4081—Drivers (Coopers' Hoop)

Brewer Bros. Co. (Steel), 2nd & Somerset, Phila, Pa.
Drew C. & Co., Kingston, Mass.
Piqua Handle & Mfg. Co. (Wood), P. O. Box 307, Piqua, O.
Stanley Rule & Level Co. (Atha Div.), New Britain, Conn.
**Stortz John & Son, 210 Vine, Phila., Pa.**
Stossel Carl & Sons Co., Front Royal, Va.
**White L. & I. J. Co. (Solid Steel, Also Hickory Wood), 120 Columbia, Buffalo, N. Y.**

## 4082-3-4— Drivers (Staple)

McIntire & Co., Port Chester, N. Y.
**SMITH & HEMENWAY CO., INC.**, 261 H B'way, New York, & 130 H Colt, Irvington, N. J.
***See adv index at end of book***

## Drives (Chain)

**See Chains, Power Transmission**

## 4085—*Drives (Chain, for Dryers)

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill, & Hunting Park av. & P. & R. Ry, Phila, Pa.
*See adv index at end of book*

## 4086— *Drives (Gear)

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.** (Silent Chain), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R Ry, Phila, Pa.
*See adv index at end of book*

## 4087— Drives (Rope)

**Caldwell W. E. Co., Louisville, Ky.**
**Cresson-Morris Co., Allegheny & 18th, Phila., Pa.**
**DODGE SALES & ENGINEERING CO.** (Rope transmission of power), Mishawaka, Ind.
Hill Clutch Co., W 65th, Cleveland, Ohio
Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill, & Hunting Park av. & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Meese & Gottfried Co. (and Short Belt Drives), 660 Mission, San Francisco, Cal.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Strait H. N. Mfg. Co. (Vertical or Horizontal), Kansas City, Kan.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
**Wolf Co., Chambersburg, Pa.**

## 4087a— Drives (Silent Chain)

See also Chains, Power Transmission
**MORSE CHAIN CO.**, Ithaca, N. Y.
***See adv index at end of book***

## 4088—*Drives (Speedometer & Tascemeter)

Webb Mfg. Co., 245-247 N. J. R. R. av & Center, Newark, N. J.
*See adv index at end of book*

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New York City 50 Church St., Hudson Term. Bldg.
Philadelphia, Pa.. 302 Harrison Bldg.
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St. Louis, Mo. Morse Engineering Co., Chemical Bldg.

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## 4088a— Drives (Special)

Vaughn Machinery Co., (Wire & Rubber Mill Equipment), Cuyahoga Falls, O.
*See adv index at end of book*

## 4089— Drop Black

**Binney & Smith Co., 81 Fulton, New York**
**Coulston J. W. & Co. (Imp), 80 Maiden la, New York**
**Doggett Stanley (Imp), 11 Cliff, New York**
**Osborn C. J. Co. (Imported), 132 Nassau, New York**
**Scheel Wm. H. (Imp.), 159 Maiden la, New York**
*See adv index at end of book*
Seaver & Co., 120 Milk, Boston, Mass.
Siemon & Eiting, 99, Nassau, New York
**Smith J. Lee & Co. (Imported), 19 Jacob, New York**

## 4090— Droppers (Medicine)

Parker-Stearns & Co. (Glass, Rubber Bulb), 286 Sheffield av, Brooklyn, N. Y.
Raley Rubber Co., Riverton, Conn.
**Tyer Rubber Co. (Glass, Rubber Bulb), Andover, Mass.**

## 4091—Drops (Package & Letter)

**Champion Hardware Co. ("Champion"), Geneva, O.**
**Eagle Lock Co., Terryville, Conn.**
**Highton Wm. & Sons Co., Nashua, N. H.**

## 4092— Drops & Pins

**Auer John, Jr. (Japanned on Plates with Staples, or with Screw Eyes), 197 Middleton, Brooklyn, N. Y.**

## 4093— Dross (Metal)

Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
**Eagle Smelting & Refining Works, 238 B'way, New York**
**Hanshaft Max, 262 Front, New York**
**Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.**
**Kramer H. & Co. (Dross & Skimmings),** 1330 W 21st pl, Chicago, Ill.
**Loraine Smelting & Refining Co., 25 N Dearborn, Chicago, Ill.**
**Nassau Smelting & Refining Works, 607 W 29th, New York**
**Smith Morton B. Co., 241 Front, New York**
Union Smelting & Refining Co., St. Charles, Newark, N. J.

## Drug Store Fixtures

**See Store & Bar Fixtures**

## 4093a— Drugs

See also Specific Headings

Hopkins J. L. & Co. (Crude), 100 William, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Reading Chemical Mfg. Co., Reading, Pa.

## Drums (Barking)

**See Wood Barking Machines**

## 4094-5— Drums (Brake)

**BOSSERT CORPORATION, THE** (Pressed Steel for Automobiles, Motor Trucks, Tractors, etc), cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
**Buffalo Pressed Steel Co., 800 Kensington av, Buffalo, N. Y.**
**Chicago Steel Foundry Co., 3701 Kedzie av, Chicago, Ill.**
Clark Edward S., Boston, Mass.
**Crosby Co., 183 Pratt, Buffalo, N. Y.**
**Detroit Pressed Steel Co. (Pressed Steel),** 1800 Mt. Elliott av, Detroit, Mich.
Federal Pressed Steel Co., Keefe av & N Pierce, Milwaukee, Wis.
Gier Pressed Steel Co., Lansing, Mich.
Globe Machine & Stamping Co. (Pressed Steel), Cleveland, O.
Hydraulic Pressed Steel Co., 3152 E 61st, Cleveland, O.
**Kelsey Wheel Co., 1208 Military av, Detroit, Mich.**
**Matthews H. A. Mfg. Co., Seymour, Conn.**
**Muncie Gear Works ("Muncie"), Muncie, Ind.**
**Neustadt Auto & Supply Co., 3200 Locust, St. Louis, Mo.**
Pettis W. W. Co., 416-417 First Nat'l Bank bldg., Cincinnati, Ohio.
*See adv index at end of book*
Roybestos Co., Bridgeport, Conn.
**Sharon Steel Hoop Co. (For Automobile),** Sharon, Pa.
**WORCESTER PRESSED STEEL CO.,** ("Presteel"), Worcester, Mass.
*See adv index at end of book*

## 4096—*Drums (Glycerine & Oil)

**SCAIFE WM. B. & SONS CO.,** First Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
**STANDARD PACKAGE CO. of N. Y.,** 109 Broad, New York

## Drums (Hoisting)

**See Engines, Hoisting; also Engines, Hoisting, Contractors'**

## 4096a—*Drums (Holding or Counterweight)

Haywood Co., 50 Church, New York
*See adv index at end of book*

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DIGGING MACHINERY
THE HAYWARD COMPANY
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## 4097— Drums (Incline)

(Incline Drums & Machinery)

Dobble Foundry & Machine Co. (Gravity), Niagara Falls, N. Y.
*See adv index at end of book*
Helmick Foundry & Machine Co., Fairmount, W. Va.
**Niles Mine & Mill Supply Co., Citizens bldg, Cleveland, O., & Niles, O.**
**Oliver Wm. J. Mfg. Co., Knoxville, Tenn.**
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.
Sanford-Day Iron Works (Sheave & Spool), Knoxville, Tenn.
**Savage W. J. Co. (Gravity), Knoxville, Tenn.**
**South Side Foundry & Machine Works,** Charleston, W. Va.
**Stine J. C. Co., Tyrone, Pa.**

## 4098— Drums (Iron)

du Pont (E. I.) de Nemours & Co. (By-Products Div.), Wilmington, Del.
Toledo Steel Barrel Co., Toledo, Ohio
**United Lead Co. (Lead Lined Acid Proof),** 111 B'way, New York

## 4098a— *Drums (Magnetic)

Ding Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

## 4099— Drums (Malting)

Galland-Henning Mfg. Co. (Pneumatic), Milwaukee, Wis.

## 4100—Drums (Pneumatic Sanding)

**Redin, Ekstrom & Co., Rockford, Ill.**

## 4100a— Drums (Recording)

Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.

## 4101—Drums (Rope Driving)

**Dodge Sales & Engineering Co., Mishawaka, Ind.**
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill, & Hunting Park av. & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
**Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.**
**Vulcan Iron Works, Wilkes-Barre, Pa.**
**Woonsocket Machine & Press Co., Woonsocket, R. I.**

## 4102— Drums (Sand)

Cummer F. D. & Son Co. (For Asphalt Plants), Superior Arcade, Cleveland, Ohio. *See adv index at end of book*
Roberts & Schaefer Co. ("Tyrone" Automatic), 332 S Mich. av, Chicago, Ill.

## 4103—Drums (Steam or Mud)

East Jersey Pipe Corp., Paterson, N. J.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
*See adv index at end of book*
Murray Iron Works Co., Burlington, Ia.
Petroleum Iron Works Co., Sharon, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

## 4104— Drums (Steel)

American Steel Package Co. (Shipping), Defiance, Ohio
Bertels W. B. & Son Co., Inc. (Lock Cover Shipping Drums), Wilkes-Barre, Pa.
Heltzel Steel Form & Iron Co., Warren, O.
Pressed Steel Products Co., Sharon, Pa.
Stevens Metal Products Co. (15 to 175 Gall. Niles, O.

## Drums (Steel Shipping)

See Barrels, Steel Shipping

## Drums (Vacuum Drying)

See Dryers, Vacuum

## 4105— Drums (Wax Chilling)

**Moore Sam'l L. & Sons, Elizabeth, N. J.**

## Drums (Welded)

See Cylinders, Welded

## 4106— Drums (Winding)

See also Pneumatic Winding Drums

American Clay Machinery Co., S Walnut, Bucyrus, O.
*See adv index at end of book*

**American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.**

**American Road Machinery Co., Kennett Square, Pa.**

**Bonnot Co., Canton, O.**

**Dodge Sales & Engineering Co., Mishawaka, Ind.**

**LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R. Ry, Phila, Pa.**
***See adv index at end of book***

**Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.**

**Potts C. & A. Co., Indianapolis, Ind.**

**Steele J. C. & Sons, Statesville, N. C.**

## 4106a— Drumsticks

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*

**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***

Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Dry Colors

See Color Manufacturers

## 4107—Dry Docks (Steel, Floating)

American Bridge Co., 30 Church, New York

Bethlehem Steel Co., So. Bethlehem, Pa.

**PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.**
***See adv index at end of book***

## 4108—Dry Docks & Marine Railways

See also Shipbuilders

### ALABAMA.

MOBILE—Alabama Dry Dock & Shipbuilding Co.
Henderson Shipbuilding Co.
Murnan Ship Bldg. Corp.

### CALIFORNIA.

OAKLAND—Hanlon Dry Dock & Shipbuilding Co.
Moore Ship Building Co.

SAN FRANCISCO—Hall Bros. Marine Railway & Shipbuilding Co. (Marine Railway), 312 California
Moore Ship Building Co., 678 2d
Pacific Shipyards & Ways Co., 24 California
South San Francisco Dock Co.
United Engineering Works, Clunie bldg

### CONNECTICUT.

GILDERSLEEVE — Gildersleeve Ship Building Co.

NEW LONDON—Davidson W. H.
New London Marine & Iron Works

NOANK—Palmer Robt. & Son Ship Bldg & Marine Ry. Co.

### DELAWARE.

WILMINGTON—Amer. Car & Foundry Co.
Harlan & Hollingsworth Corporation ft West
Pusey & Jones Co. (Marine Railway).

### FLORIDA.

JACKSONVILLE — Merrill-Stevens Shipbuilding Corp.

TAMPA—Tampa Steam Ways Co.

### GEORGIA.

SAVANNAH—Kehoe Iron Works
National Shipbuilding & Dry Dock Co.
Rourke John & Sons

### ILLINOIS.

CHICAGO—Chicago Ship Building Co. (Dry Docks), 101st & Calumet River

### INDIANA.

JEFFERSONVILLE—Howard Ship Yards Co.

### LOUISIANA.

SLIDELL—Slidell Dry Dock & Ship Building Co.

### MAINE.

PORTLAND—Portland Shipbuilding Co.

**ROCKLAND—Snow I. L. & Co.**

### MARYLAND.

**BALTIMORE—Baltimore Dry Dock & Ship Building Co., Locust Point, ft East Fort av**
Booz Bros., 815 Key Highway
Cahill W. S. Co., Key Highway & Webster
Chesapeake Marine Railway Co., Philpot cor. Point
**Marine Engine & Boiler Co., Philpot & Point**
Reeder Oliver & Son, Key Highway & Covington
Spedden Ship Building Co., Boston & Kenwood
Woodall Wm. E. & Co., ft of Woodall

### MASSACHUSETTS.

BOSTON—Atlantic Works, 80 Border, E B
Crandall Engineering Co., 102 Border, E B
Ellis W H & Son Co., 479 Meridian
Lawler Bros., 16 City sq, Chtn
Lockwood Mfg. Co., (Marine Railway), 44 N Market
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Poekel T. Sch. & Co., Neponset
Rendle W. S., 135 Prescott, E B
Simpson's Dry Dock Co., E B

GLOUCESTER—Burnham Bros. (Railway)
Rocky Neck Marine Railway Co.

MARBLEHEAD—*Frazier J. H. (Railway)

### MICHIGAN.

BAY CITY—Davidson Jas. (Dry Docks Only)

CHARLEVOIX—Washburn O. S. & Son

DETROIT—American Boat Co. (Marine Railways)
Detroit Shipbuilding Co. (Dry Docks) ft. Orleans
Dupuis A. J. Co., Ford bldg
Griffin M. J., 169 Stanton av

HOUGHTON—Croze Jos.

### NEW JERSEY.

**BAYONNE—Higgins William**
Lankford Robt.

HOBOKEN—Tietjen & Lang Dry Dock Co.

JERSEY CITY—Brown Dry Dock Co., ft Morris
Burt & Mitchell Co., ft Morris
Barge & Lighter Repair Co., Inc., ft. of Henderson
**VULCAN IRON WORKS, INC., Hudson & Essex**

KEYPORT—Keyport Dry Dock Co.

PERTH AMBOY—Perth Amboy Dry Dock Co.
Raritan Dry Dock Co.

WEEHAWKEN—Union Dry Dock & Repair Co.
Weehawken Dry Dock Co.

### NEW YORK.

BUFFALO—Buffalo Dry Dock Co.
Riley's Dry Dock Co., ft Mechanic

GREENPORT—Greenport Basin & Const. Co.

KINGSTON—Hiltebrant Conrad Dry Dock Co.

### NEW YORK CITY.

#### Borough of Brooklyn

BROOKLYN—Atlantic Dock Co., 1 N Pier, Atlantic Bsn
Clinton Dry Dock Inc., Ft. Clinton
**Crane's Theo. A. Sons Co., ft Columbia**
Downing & Lawrence, ft Court
Erie Basin Dry Dock, ft of Beard & Long Dock
Gokey Wm. J. & Co., Erie Basin
Morse Dry Dock & Repair Co., ft 56th
New York Dry Dock & Repair Co., Erie Basin
Robins Dry Dock & Repair Co., Beard
Telo Yacht Basin Co., Ft 23rd

#### Boroughs of Manhattan and Bronx.

NEW YORK—American Car & Foundry Co., 165 Broadway
Hunters Point Dry Docks, 1 B'way
McAllister Dry Dock & Shipyard Co., 24 State
McWilliams Frank, 1 B'way
Newport News Shipbuilding & Dry Dock Co., 233 B'way
Robins Dry Dock & Repair Co., 15 Whitehall
Shewan Jas. & Son, 1 B'way
Tregarthen Jas & Sons Co., ft 7th, E R

#### Borough of Richmond.

**WEST NEW BRIGHTON—McAllister Dry** Dock & Shipyard Co., Rich. ter
National Dry Dock & Repair Co.

**(End of New York City)**

OGDENSBURG—St. Lawrence Marine Ry Co.

**RYE—Milton Boat Works (Marine Rys)**

### NORTH CAROLINA.

WILMINGTON—Skinner Louis H.

### OHIO.

CLEVELAND — American Ship Building Co., ft. of W 54th

ROCKY RIVER—Rocky River Dry Dock Co.

SANDUSKY—Lake Erie Dry Dock & Mill Co.

TOLEDO—Gilmore Bros.
Gilmore Bros.
Toledo Shipbuilding Co.

### OREGON

ASTORIA—Astoria Marine Iron Works

### PENNSYLVANIA.

PHILADELPHIA—Cramp Wm. & Sons Ship & Engine Building Co., Beach & Ball

### RHODE ISLAND.

EAST GREENWICH—Nock F. S.

PROVIDENCE—Providence Dry Dock & Marine Railway Co., E Providence

### SOUTH CAROLINA.

CHARLESTON—Dry Dock & Machine Co., Floating Dry Dock
Riverside Iron Works

### TEXAS.

BEAUMONT—Beaumont Ship Building & Dry Docks Co.

**GALVESTON—Galveston Wharf. Co.**
**International Creosoting & Construction Co.**

### VIRGINIA.

NEWPORT NEWS—Newport News Ship Building & Dry Dock Co. (Dry Docks Only)

NORFOLK—Colonna Marine Railway Corp.
**Core W. T.**
Taylor Geo. T. Marine Railway Corp.

**PORTSMOUTH—Portsmouth Marine Ry**

### WASHINGTON.

EVERETT—Everett Marine Ways, Inc.

SEATTLE—Ames Shipbuilding & Dry Dock Co.
Elliott Bay Dry Dock Co.
Seattle Construction & Dry Dock Co.
Todd Dry Dock, Inc.
**Winslow Marine Railway & Ship Building Co.**

# DRYERS

## ALL KINDS FOR ALL MATERIAL

(ANIMAL, VEGETABLE AND MINERAL)

## AMERICAN PROCESS COMPANY

68 WILLIAM STREET NEW YORK


TACOMA—Todd Dry Dock & Constr. Co.
WINSLOW—D. W. Hortzell, Inc.
Winslow Marine Railway & Ship Building Co.

**WISCONSIN.**

MANITOWOC — Manitowoc Shipbuilding Co. (Gravity & Floating Dry Docks)
MILWAUKEE—Milwaukee Dry Dock Co., ft. of Washington
SUPERIOR—Superior Ship Building Co.

### 4108a—*Dryer & Calcining Apparatus

American Process Co., 68 William st, New York *See adv index at end of book*
**BARTLETT C. IO. SNOW GO.,** Fall st, Cleveland, O.
*See adv index at end of book*

### 4109— Dryers (Argol)

Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.

### 4109a—Dryers (Asbestos Board)

Proctor & Schwartz, Inc. ("Proctor"), 7th & Tabor rd, Phila, Pa.
*See adv index at end of book*

### Dryers (Asbestos Rock)

**See Dryers, Cement & Asphalt**

### 4109a1— *Dryers (Asphalt)

See also Dryers, Cement & Asphalt

American Process Co., 68 William st, New York *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*

**CUMMER SAND & STONE DRYERS**

*Stationary and Portable*

Also Complete Portable Asphalt Plants

**THE F. D. CUMMER & SON CO.**

Superior Arcade, Cleveland, Ohio, U. S. A.

### 4109b—*Dryers (Atmospheric Drum)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

### 4109c—*Dryers (Atmospheric Rotary)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

### 4110— Dryers (Beet Pulp)

American Blower Co., 1400 Russell, Detroit, Mich.
American Process Co., 68 William st, New York *See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Jackson & Church Co., Saginaw, Mich.
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.

### 4110a—*Dryers (Bone Black)

Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*

### 4111— Dryers (Brick & Clay)

**See also Kilns, Dry**

American Blower Co., 1400 Russell, Detroit, Mich.
American Clay Machinery Co., S Walnut, Bucyrus, O.
*See adv index at end of book*
American Process Co. (Clay), 68 William, New York *See adv index at end of book*
Atlas Engineering Co., Amherst, O.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Boss John C. Co. ("Boss"), Elkhart, Ind.
Ceramic Equipment Co. ("Proctor," Mechanical for Clay Working Industry), Trenton, N. J.
Chambers Bros. Co. (Brick), 52nd, bet Lancaster av, Phila., Pa.
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
International Clay Machinery Co., Dayton, Ohio
**PROCTOR & SCHWARTZ INC.** ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
McDermott Bros. Co., Allentown, Pa.
New York Blower Co., Archer av & Canal, Chicago, Ill. Works: Bucyrus, O.
**PROCTOR & SCHWARTZ, INC.** ("Proctor") 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Ruggles-Coles Engineering Co., 50 Church, New York
Standard Dry Kiln Co., Indianapolis, Ind.

### 4111a—*Dryers (Cartridge)

Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*

### 4112—Dryers (Cement & Asphalt)

Allis-Chalmers Mfg. Co. (Cement & Ore), Milwaukee, Wis.
American Blower Co., 1400 Russell, Detroit, Mich.
American Process Co., 68 William st, New York *See adv index at end of book*
Atlas Engineering Co. (Asphalt), Amherst, O.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*

**CUMMER DIRECT HEAT DRYERS**

For all kinds of Cattle Feeds. Economical in fuel. Made in nine sizes.

**THE F. D. CUMMER & SON CO.**

Superior Arcade, Cleveland, Ohio, U. S. A.

**DOVER BOILER WORKS.** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
**FULLER-LEHIGH CO.,** Fullerton, Pa.
*See adv index at end of book*
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
McDermott Bros. Co. (Asphalt), Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Ruggles-Coles Engineering Co., 50 Church, New York
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Sterritt-Thomas Foundry Co., 32d & Smallman. Pittsburgh, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Vulcan Iron Works, Wilkes-Barre, Pa.

### 4113—Dryers (Centrifugal, Metal Parts)

American Tool & Machine Co. ("Weston" for Drying Small Pieces that have been Coated, Japanned, Painted, Dipped, Plated or Washed), 10 High, Boston, Mass.
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
Curtis Albert B., Worcester, Mass.
Elmore G. H. (Continuous), Market & 13th, Phila, Pa.
**LINK-BELT CO.** ("Wendell" Centrifugal Coal Dryers), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Smith Richardson Co. ("Richardson" for Small Metal Parts), Attleboro, Mass.
Tolhurst Machine Works, Troy, N. Y.

### 4113a— Dryers (Chemical)

**AMERICAN PROCESS CO.,** 68 William st, New York *See adv index at end of book*
**PROCTOR & SCHWARTZ INC.** ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 4114— Dryers (Chicory)

American Process Co., 68 William st, New York *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 4114a— Dryers (China)

Ceramic Equipment Co. ("Proctor," also Porcelain), Trenton, N. J.
Proctor & Schwartz, Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*

## 4115—Dryers (Coal, Sand, Etc.)

**AMERICAN PROCESS CO.,** 68 William, New York *See adv index at end of book*
*See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*

**CUMMER DIRECT HEAT DRYERS**

For Coal, Stone, Shale and Clay. Easily erected. Hundreds in operation.

**THE F. D. CUMMER & SON CO.**
**Superior Arcade, Cleveland, Ohio, U. S. A.**

French Oil Mill Machinery Co., Piqua, O.
Fuller Engineering Co. ("Matchama"), Allentown, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
***See adv index at end of book***
**LINK-BELT CO.** ("Wendell," Centrifugal Coal), 329 W 39th, Chicago, Ill., Hunting Park av & P. & R Ry, Phila, Pa.
*See adv index at end of book*
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Mashek Engineering Co., 90 West, New York
Reeves Bros. Co., Alliance, O.
*See adv index at end of book*
Ruggles-Coles Engineering Co., 50 Church, New York
Stearns-Roger Mfg. Co., Denver, Colo.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Treadwell Construction Co., Midland, Pa.

## 4116— Dryers (Coffee)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.
Blymyer Iron Works Co., Cincinnati, O.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Devine J. P. Co., Buffalo, N. Y.
Gordon Engng. Corp., 39 Cortlandt, New York
Scott Ernest & Co. (("Scott"), Fall River, Mass.

## 4116a— Dryers (Concentrating)

American Process Co., 68 William st, New York *See adv index at end of book*
Buffalo Foundry & Machinery Co., 65 Winchester, Buffalo, N. Y.
*See adv index at end of book*
Fleischer W. L. & Co., Inc., 31 Union sq, W, New York
Ruggles-Coles Engng. Co., 50 Church, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 4117— Dryers (Cylinder)

American Process Co., 68 William st, New York *See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av. & Williams, Akron, O.**
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**CUMMER F. D. & SON CO.,** Superior Arcade, Cleveland, O.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Mashek Engineering Co., 90 West, New York
Scott Ernest & Co. (("Scott"), Fall River, Mass.

## 4117a— *Dryers (Drum)

American Process Co., 68 William st, New York *See adv index at end of book*
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 4118—*Dryers (Extract Chip)

Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*

## 4118a— Dryers (Feed)

See also Dryers Meal

American Process Co., 68 William, New York *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O.
*See adv index at end of book*

**CUMMER DIRECT HEAT DRYER**

For Coal, Sand, Etc.

**TEMPERATURES EASILY CONTROLLED**

*No Explosions. Hundreds in Operation.*

**THE F. D. CUMMER & SON CO.**
**Superior Arcade, Cleveland, Ohio, U. S. A.**

## 4119—Dryers (Fertilizer, Glue, Etc.)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.
American Blower Co., 1400 Russell, Detroit, Mich.
**AMERICAN PROCESS CO.,** 68 William, New York *See adv index at end of book*
**ANDERSON V. D. CO.** ("Anderson" 1 & 3 Cylinder), W 96th, Cleveland, O.
*See adv index at end of book*
Atlas Dryer Co, Citizens bldg, Cleveland, Ohio
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 19 Chardon, Boston, Mass.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
***See adv index at end of book***
Black-Clawson Co., Hamilton, O.
Brecht Co. ("Brecht"), 1201 Cass av, St. Louis, Mo.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Cambridge Iron Works ("Campbell"), Cambridge, Mass.
**CUMMER F. D. & SON CO.,** Superior Arcade, Cleveland, O.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**Hamler Boiler & Tank Co., 3906 S Halsted, Chicago, Ill.**
Hammond Engineering Co., Warren, Pa.
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
**McDermott Bros. Co., Allentown, Pa.**
Manitowoc Engineering Works, Manitowoc, Wis.
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Renneburg E. & Sons Co., 2639 Boston & Baltimore, Md.
Ruggles-Coles Engineering Co., 48 Church, New York
Schofield's J. S. Sons Co., Macon, Ga.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sterritt-Thomas Foundry Co., 32d & Smallman, Pittsburgh, Pa.
**VULCAN IRON WORKS INC.,** Hudson & Essex, Jersey City, N. J.

## Dryers (Fish Scrap)

See Dryers, Fertilizer

## 4120—*Dryers for Concentrates

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 4120a—Dryers (Fruit & Vegetable)

Proctor & Schwartz Inc. (Fruit), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*

## 4121— Dryers (Garbage)

American Process Co., 68 William, New York *See adv index at end of book*
**ANDERSON V. D. CO.** ("Anderson," Also Tankage), W 96th, Cleveland, O.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**CUMMER F. D. & SON CO.,** Superior Arcade, Cleveland, O.
*See adv index at end of book*
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Renneburg E. & Sons Co., 2639 Boston & Baltimore, Md.
Ruggles-Coles Engineering Co., 50 Church, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 4122—Dryers (Grain & Malt)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.
American Blower Co., 1412 Russell, Detroit, Mich.
American Process Co., 68 William, New York *See adv index at end of book*
Atlas Engineering Co. (Grain Dryers) Amherst, O.
Barnard & Leas Mfg. Co., Moline, Ill.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
**CUMMER F. D. & SON CO., Superior Arcade, Cleveland, O.**
*See adv index at end of book*
**Devine J. P. Co. (Grain), Buffalo, N. Y.**
Ellis Drier & Elevator Co. 140 W Van Buren, Chicago, Ill.
**French Oil Mill Machinery Co. (Grain Only), Piqua, O.**
Galland-Henning Mfg. Co., Milwaukee, Wis.
Gerken J. D. Co. ("Toledo" Grain), Toledo, Ohio
Hess Warming & Ventilating Co. (Pneumatic System), 1211 S Western av, Chicago, Ill.
**Howes S. Co. (Grain, Corn & Wheat), Silver Creek, N. Y.**
**Invincible Grain Cleaner Co. ("Invincible"), Silver Creek, N. Y.**
**Louisville Drying Machine Co. (Distillers & Brewers Dryers), Louisville, Ky.**
**Manitowoc Engineering Works, Manitowoc, Wis.**
Rach, Dr. Carl, 203 B'way, New York
Reilly Martin B. Co., Inc., 9 S. Clinton, Chicago, Ill.
Remmers B. & Sons (Also for Starch, Vegetables, Chemicals, etc), 1227 Germantown, Phila., Pa.
Renneburg E. & Sons Co., 2639 Boston & Baltimore, Md.
Ruggles-Coles Engineering Co., 50 Church, New York
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Worrell S. E., Hannibal, Mo.

## Dryers (Hair, Process)

See Hair Dryers, Electric

## 4123— Dryers (Hat)

Proctor & Schwartz Inc. (Felt & Straw), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*

### 4124—Dryers (Hoof or Bone)

American Process Co., 68 William, New York
*See adv index at end of book*
**ANDERSON V. D. CO.** ("Anderson"), W 96th, Cleveland, O.
*See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**CUMMER F. D. & SON CO.,** Superior Arcade, Cleveland, O.
*See adv index at end of book*
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Ruggles-Coles Engineering Co., 50 Church, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 4125—Dryers (Jacketed Cylindrical)

**ANDERSON V. D. CO.** ("Anderson"), W 96th, Cleveland, O.
*See adv index at end of book*
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Renneburg E. & Sons Co., 2639 Boston & Baltimore, Md.

### 4126— Dryers (Kaolin)

American Process Co., 68 William st, New York *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.

### 4127—*Dryers (Laboratory)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Proctor & Schwartz Inc., 7th & Tabor rd, Phila, Pa.
*See adv index at end of book*

### 4127a— Dryers (Laundry)

Lotze's A. Sons Co., 8th & B'way, Cincinnati, O.

### 4128— Dryers (Leaf Tobacco)

Adt Jno. B. Co. (For Manufactured Tobacco), 340 No Holliday, Baltimore, Md.
American Blower Co., 1400 Russell, Detroit, Mich.
Comas Machine Co. ("Perfection"), Salem, Va.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Proctor & Schwartz Inc. ("Proctor"), 6th & Tabor rd, Phila., Pa.
*See adv index at end of book*

### 4129—Dryers (Leather Scrap)

**AMERICAN PROCESS CO.,** 68 William, New York *See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Bayley Mfg. Co., Milwaukee, Wis.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Proctor & Schwartz, Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Ruggles-Coles Engineering Co., 50 Church, New York

### 4129a— Dryers (Lime)

American Process Co., 68 William st, New York *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*

### 4129b— *Dryers (Lumber)

Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa. *See adv index at end of book*
*See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

### Dryers (Malt)

See Dryers, Grain & Malt

### 4130— Dryers (Meal)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.
American Blower Co., 1400 Russell, Detroit, Mich.
American Process Co., 68 William st, New York *See adv index at end of book*
**BARTLETT C. O. & SNOW CO.** (Meal and Feed), Fall st, Cleveland, O.
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Decatur Fdry., Furnace & Mach. Co., Decatur, Ind.
Ellis Drier Co., 140 W Van Buren, Chicago, Ill.
French Oil Mill Machinery Co., Piqua, O.
Great Western Mfg. Co., Leavenworth, Kans.
Manitowoc Engineering Works, Manitowoc, Wis.
Remmers B. & Son, 1227 Germantown, Phila., Pa.
Worrell S. E., Hannibal, Mo.

### 4131—*Dryers (Milk, Vacuum)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.

### 4132— Dryers (Mold)

American Blower Co., 1400 Russell, Detroit, Mich.
MacLeod Co. (Founders), 2227 Bogen, Cincinnati, Ohio.
*See adv index at end of book*
Tilghman-Brooksbank Sand Blast Co. (Portable, for Foundry Use), 1126 S 11th, Phila., Pa.

### 4132a— Dryers (Nitrate of Soda)

American Process Co., 68 William st, New York *See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
**CUMMER F. D. & SON CO.,** Superior Arcade, Cleveland, O.
*See adv index at end of book*

### 4133— Dryers (Ore)

**AMERICAN PROCESS CO.,** 68 William, New York *See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Brainard Pulverizer Co., Old Colony bldg, Chicago, Ill.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Denver Engineering Works Co., Denver, Colo.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
McDermott Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Mine & Smelter Supply Co., 42 B'way, New York
Ruggles-Coles Engineering Co., 50 Church, New York
Sutton, Steel & Steel ("S S & S" for Dry Concentration), Dallas, Texas
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Worthington Pump & Machy. Corp. (Revolving, etc), 115 B'way, New York
*See adv index at end of book*

### 4133a—Dryers (Organic & Inorganic Material)

American Process Co., 68 William st, New York *See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**ROCKWELL W. S. CO.,** 50 Church, New York
*See adv index at end of book*

### 4133b— *Dryers (Paper)

Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant," for Paper Absorption on Machines, also Paper Coated), 15 Damon, Hyde Park, Boston, Mass.

### 4134—Dryers (Paper Mill, Etc.)

See also Paper & Pulp Mill Machinery

Black-Clawson Co. (Dbl. & 3 Deck, Rim, etc), Hamilton, Ohio
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
**LOCKE REGULATOR CO.** ("Locke" Steam Degestor Regulators), Salem, Mass. *See adv index at end of book*
Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa. *See adv index at end of book*
*See adv index at end of book*
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### Dryers (Pebble)

See Sand & Gravel Heaters & Dryers

### 4134a—Dryers (Reclaimed Plaster)

American Process Co., 68 William st, New York *See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*

### Dryers (Revolving)

See Dryers, Rotary & Revolving

### 4135—Dryers (Rock, Phosphate)

**AMERICAN PROCESS CO.,** 68 William, New York *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Pittsburg Conveying Machinery Co., 4th & Duquesne wy, Pittsburgh, Pa.
Ruggles-Coles Engineering Co., 50 Church, New York
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Whiting Foundry Equipment Co., Harvey, Ill.

### 4136—Dryers (Rotary & Revolving)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Clay Machinery Co., S Walnut, Bucyrus, O.
*See adv index at end of book*
American Process Co. (Direct Head Blast), 68 William, New York
*See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*

When writing to firms listed in this book please, mention HENDRICKS' COMMERCIAL REGISTER

DRYERS (ROTARY & REVOLVING)—continued

**BUFFALO FOUNDRY & MACHINE CO.** (Rotary), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*

**Cummer F. D. & Son Co., Superior Arcade, Cleveland, O.** *See adv index at end of book*

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Dry nearly everything. Write us name of material and number of tons you wish to dry hourly: also percentage of moisture in wet and dry material. Hundreds in operation.

**THE F. D. CUMMER & SON CO.**

**Superior Arcade, Cleveland, Ohio, U. S. A.**

**Devine J. P. Co., Buffalo, N. Y.**
Fuller-Lehigh Co., Fullerton, Pa. *See adv index at end of book*
Hersey Mfg. Co., 314 W 2nd, South Boston, Mass.
Jackson & Church Co., Saginaw, Mich.
**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 Broadway, New York *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*
**McDermott Bros. Co., Allentown, Pa.**
**Manitowoc Engng. Works, Manitowoc, Wis.**
Massachusetts Blower Co., Watertown, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Rennesburg E. & Sons Co., 2639 Boston & Baltimore, Md.
Ruggles-Coles Engineering Co., 50 Church, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Traylor Engng. & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Variety Iron & Steel Works Co., Hamilton av & 40th, Cleveland, Ohio
Whiting Foundry Equipment Co., Harvey, Ill.
Worrell S. E. ("Worrell's"), Hannibal, Mo.
Worthington Pump & Machy. Corp., 115 B'way, New York *See adv index at end of book*

## 4137— Dryers (Rubber)

**AMERICAN PROCESS CO.**, 68 William st, New York *See adv index at end of book*
**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O. *See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*

## 4138— Dryers (Salt)

**American Blower Co., 1400 Russell, Detroit, Mich.**
American Process Co., 68 William st, New York *See adv index at end of book*
**Atlas Engineering Co., Amherst, O.**
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O. *See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.** *See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Fuller-Lehigh Co., Fullerton, Pa. *See adv index at end of book*
Hersey Mfg. Co., 314 W 2nd, South Boston, Mass.
Jackson & Church Co., Saginaw, Mich.
**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 Broadway, New York *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*
**McDermott Bros. Co., Allentown, Pa.**
**Manitowoc Engng. Works, Manitowoc, Wis.**
Massachusetts Blower Co., Watertown, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Rennesburg E. & Sons Co., 2639 Boston & Baltimore, Md.
Ruggles-Coles Engineering Co., 50 Church, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Traylor Engng. & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Variety Iron & Steel Works Co., Hamilton av & 40th, Cleveland, Ohio
Whiting Foundry Equipment Co., Harvey, Ill.
Worrell S. E. ("Worrell's"), Hannibal, Mo.
Worthington Pump & Machy. Corp., 115 B'way, New York *See adv index at end of book*

## 4139— Dryers (Seed Corn)

Bain Bros. Mfg. Co. ("Peerless"), Cedar Rapids, Ia.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Clarke J. Q. Tank Co. ("Wizzard"), Crawfordsville, Ind.
National Mfg. Co. ("Ideal"), Des Moines, Ia.

## 4139a— Dryers (Shelf)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 4139b—Dryers (Shirt & Stocking)

**BOGERT & HOPPER INC.**, 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## Dryers (Slack Lime)

**See Dryers, Cement & Asphalt**

## 4140— Dryers (Soap)

American Blower Co., 1400 Russell, Detroit, Mich.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
**PROCTOR & SCHWARTZ, INC.**, ("Proctor"), 7th & Tabor rd, Phila., Pa. *See adv index at end of book*
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

## 4140a—Dryers (Sodium-Benzol-Sulphonate)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 4141— Dryers (Starch)

Adt Jno. B. Co., 340 No Holliday, Baltimore, Md.
American Blower Co., 1400 Russell, Detroit, Mich.
American Process Co., 68 William st, New York *See adv index at end of book*
Bayley Mfg. Co., Milwaukee, Wis.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.

## 4142— Dryers (Steam)

American Process Co., 68 William st, New York *See adv index at end of book*
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O. *See adv index at end of book*
Buhl G. A. Co. ("Buhl" for Fluid Substances), 116 S Green, Chicago, Ill.

## 4142a— Dryers (Steam Coil)

Proctor & Schwartz, Inc., 7th & Tabor rd, Phila., Pa. *See adv index at end of book*
**Schaffer Engineering & Equipment Co.**, Peoples Bank bldg, Pittsburgh, Pa. *See adv index at end of book*
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 4142b— *Dryers (Stocking)

Paramount Hosiery Form Drying Co., 337 W Madison, Chicago, Ill.
**PROCTOR & SCHWARTZ INC.**, 7th & Tabor rd, Phila., Pa.

## 4142c— *Dryers (Stone)

American Process Co., 68 William st, New York *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*

## 4142d— Dryers (Tankage)

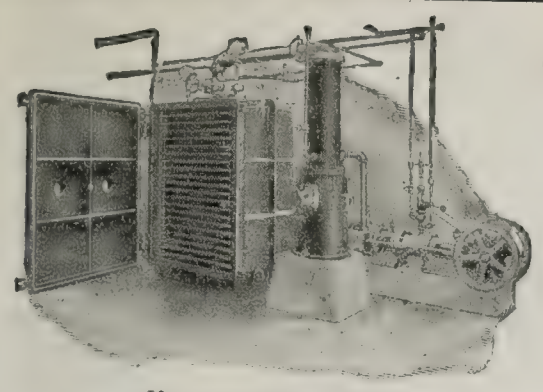
**AMERICAN PROCESS CO.**, 68 William st, New York *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, Ohio *See adv index at end of book*
Scott Ernest & Co., ("Scott"), Fall River, Mass.
**VULCAN IRON WORKS INC.**, Hudson & Essex, Jersey City, N. J.

## 4143—Dryers (Tanners' Extract Chip)

American Process Co., 68 William st, New York *See adv index at end of book*
**BARTLETT C. O. SNOW CO.**, Fall st, Cleveland, O. *See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.** *See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, Ohio. *See adv index at end of book*

## 4144— *Dryers (Textile)

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.** *See adv index at end of book*
**PROCTOR & SCHWARTZ, INC.**, 7th & Tabor rd, Phila, Pa.



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FOR ALL MATERIALS AND CAPACITIES

**Vacuum Shelf Dryers,** for drying materials that can be handled in pans or trays.

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## Dryers (Tobacco)

See Dryers, Leaf Tobacco

## 4145— Dryers (Vacuum)

See also Vacuum Drying & Impregnating Apparatus

**ANDERSON V. D. CO.** ("Anderson"), W 96th, Cleveland, O.
*See adv index at end of book*

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*

Braum-Knecht-Heiman Co. (Stokes), 576-584 Mission, San Francisco, Cal.

**BUFFALO FOUNDRY & MACHINE CO.** (Vacuum Drum Dryers, Vacuum Rotary Dryers, Vacuum Shelf Dryers & Drying Sewage, Sludge, Garbage & 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

**Devine J. P. Co.** ("Emil Passburg" System, Drying & Impregnating Apparatus), Buffalo, N. Y.

Hammond Engineering Co. (Rotary for Drying Sewage, Sludge, Garbage & Tankage from Slaughter Houses), **Warren, Pa.**

Hubbard's Norman Sons (Drying & Impregnating Apparatus), 265 Water, Brooklyn, N. Y.

**KOVEN L. O. & BRO.,** 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*

Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.

Stokes F. J. Machine Co. (For Pharmaceutical Purposes), 17th & Cambria, Phila., Pa.

**WHEELER CONDENSER & ENGINEERING CO.,** Carteret, N. J.
*See adv index at end of book*

## 4145a—*Dryers (Vacuum Drum)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

Cummer F. D. & Son Co., Superior Arcade, Cleveland, Ohio
*See adv index at end of book*

## 4145b—*Dryers (Vacuum Rotary)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 4145c—*Dryers (Vacuum Shelf)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 4146— Dryers (Varnish)

American Blower Co., 1400 Russell, Detroit, Mich.

Patton Paint Co., Milwaukee, Wis.

Wadsworth Howland & Co. ("Bay State"), **141 Federal, Boston, Mass.**

## 4147— Dryers (Veneer)

American Blower Co., 1400 Russell, Detroit, Mich.

**PROCTOR & SCHWARTZ INC.** ("Proctor" Apron Conveyor), 7th & Tabor rd, Phila., Pa. *See adv index at end of book*

## 4147a— Dryers (Vertical)

French Oil Mill Machinery Co., Piqua, O.

**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*

**Schaffer Engineering & Equipment Co.,** Peoples Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*

Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

## 4148—*Dryers (Vertical Rotary)

Schaffer Engineering & Equipment Co., Peoples Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*

## 4149—Dryers (Waste Heating)

American Blower Co., 1400 Russell, Detroit, Mich.

American Clay Machinery Co., S Walnut, Bucyrus, O.
*See adv index at end of book*

American Process Co., 68 William st, New York *See adv index at end of book*

Clarage Fan Co., North & Porter, Kalamazoo, Mich.

## 4150— Dryers (Wood Chip)

American Blower Co., 1400 Russell, Detroit, Mich.

American Process Co., 68 William st, New York *See adv index at end of book*

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*

**CUMMER F. D. & SON CO.,** Superior Arcade, Cleveland, O.
*See adv index at end of book*

Manitowoc Engineering Works, Manitowoc, Wis.

## Drying Rooms

Hot Air & Gas

See Clothes Dryers, Steam, Hot Water.

## 4151— Duck (Oiled)

Hettrick Mfg. Co., Toledo, O.

Landers Bros. Co., Toledo, O.
**Louis, Mo.**

Zittlossen Mfg. Co., Park & Dolman, St. Louis, Mo.

## 4151a— *Duct Keels

McNab Co., Bridgeport, Conn.
*See adv index at end of book*

## 4152— Dumb Bells & Quoits

**American Foundry & Mfg. Co.,** 11th & Hebert, St. Louis, Mo.

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*

**Estes E. B. & Sons (Dumb Bells),** 364 5th av, New York
*See adv index at end of book*

Girard Iron Works, 22d & Master, Phila., Pa.

**Grey Iron Casting Co. (Quoits Only),** Mt. Joy, Pa.

Hellenberg J. B. Co. (Wood Dumb Bells **Only), Coldwater, Mich.**

Howell W. H. Co. (Dumb Bells Only), Geneva, Ill.

Indiana Foundry Co., Indiana, Pa.

Klumpp's Jno. G. Sons, 13 Baxter, New York

Kupferle Jno. C. Foundry Co., 1st & Wright, St. Louis, Mo.

**Lodge Mfg. Co., South Pittsburg, Tenn.**

Saginaw Wood Products Co. (Dumb Bells), Gaylord, Mich.

Sommer Jno. Faucet Co. (Wooden Dumb Bells), 30 Morris, Newark, N. J.

Spalding A. G. & Bros., 126 Nassau, New York

Sperry D. R. & Co., Batavia, Ill.

Swett A. L. Iron Works, Medina, N. Y.

Weller Hdw. & Foundry Co., Horseheads, N. Y.

Williams A. C. Co., Ravenna, O.

Withers Foundry & Machine Works, Atlanta, Ga.

Wrightsville Hardware Co., Wrightsville, Pa.

## 4153-4—*Dumb Waiter Doors (Fireproof)

Alignum Fireproof Products Co., Inc., So. River, N. J., & 356 Lexington av, New York *See adv index at end of book*

**DAHLSTROM METALLIC DOOR CO.** (Hollow Metal), 413 Buffalo, Jamestown, N. Y., & Consolidated Gas bldg, New York *See adv index at end of book*

## 4155— Dumb Waiters

### COLORADO.

DENVER—Nock & Garside Elevator Co., (Electric)

### CONNECTICUT.

NEW HAVEN—MacKenzie Geo. M.

### ILLINOIS.

MOLINE—Montgomery Elevator Co.

### INDIANA.

EVANSVILLE—International Steel & Iron Co.
Mesker Geo. L. & Co.

### IOWA.

COUNCIL BLUFFS—Kimball Bros. Co., P O Box 154

### KENTUCKY.

LOUISVILLE—Abell Elevator Co., 114 No. 8th

### MARYLAND.

BALTIMORE—Bates Elevator Co., 211 Preston
Warsaw Elevator Co. (Steel), 111 Mercer

### MASSACHUSETTS.

BOSTON—Beckwith Elevator Co., 128 Pearl
**Brewer Elevator Co., 27 Bowker**
**Kimball C. E. & Son, 178 High**
Morrison Angus Co., 183 High, Boston, Mass.

DUMB WAITERS—continued

MINNESOTA.

MINNEAPOLIS—Lagerquist, Gust, 516 N 3rd
ST. PAUL—Lee & Hoff Mfg. Co., 65 E Water

MISSOURI.

KANSAS CITY—Kansas City Elevator Mfg. Co., 2601 Madison
ST. LOUIS—Geraghty Bros. Elevator Co., 416 S 6th
Miller Wm. A., Machine & Elevator Co., 1000 N Main

NEW JERSEY.

**NEWARK—Ortner Jos. J., 481 Washington**
**Storm Mfg. Co. ("New York Safety," "Paragon," "Manhattan," "Newark"), 50 Vesey**

NEW YORK.

BUFFALO—Warsaw Elevator Co. (Steel), Dunn bldg
**COHOES—Cohoes Iron Foundry & Machine Co.** *See adv index at end of book*

NEW YORK CITY.

**Borough of Brooklyn.**

**BROOKLYN—Bergquist B., 534 Union**
**Rodgers R. M. Mfg. Co., 74 Emerson pl**
**Seaberg Gustav, 407 Douglas**

**Boroughs of Manhattan and Bronx.**

**NEW YORK—Burdett-Rowntree Mfg. Co. (Automatic), 119 W 40th**
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Chelsea Elevator Co., 213 W 26th
Dowdall Chas. E., 152 W B'way
Holland Thos. & Sons, 211 E 84th
**Larsen Anton & Son, Brook av, & 134th**
**Murtaugh Elevator Co. (Standard), 535 W 33rd**
**Nelson Alex. & Co., 103 W 96th**
**Roberts Jas. H. Elevator Co., 430 W B'way**
Sedgwick Machine Works, 150 W 15th
See A. B. Electric Elevator Co., 220 B'way, New York
Warsaw Elevator Co. (Steel), 216 Fulton
**Williams W. & Co., 312 E 95th**

**(End of New York City)**

POUGHKEEPSIE—Sedgwick Mach. Works (Automatic & Band Brake, Brass Tube, Simplex, etc)
ROCHESTER—Ricker Mfg. Co.
SYRACUSE—Houser Elevator Co.
WARSAW—Warsaw Elevator Co. (Steel)

OHIO.

CINCINNATI—Reedy H. J. Elevator Co. (Push Button, Electric & Hand), 15 W 2d
**WARNER ELEVATOR MFG. CO.**
**Spring Grove av, Alfred & Valley**
*See adv index at end of book*
CLEVELAND—Edmonds Elevator Co., 519 Champlain av
COLUMBUS—Ohio Elevator & Mach. Co.

PENNSYLVANIA.

**PHILADELPHIA—Energy Elevator Co., ("Energy," "Little Beauty," "Little Giant," "Rapid Transit"), 214 New**
Massa George (Brass Tube), 245 S 6th
O'Neill Elevator Co., 628 Cherry
Warsaw Elevator Co. (Steel), 929 Chestnut
PITTSBURGH—Marshall Bros., S 21st
READING—SPEIDEL JOHN G.
*See adv index at end of book*
YORK—York Automatic Dumb Waiter Works (Refrigerated Automatic)

WASHINGTON.

SEATTLE—Washington Elevator Co.

WISCONSIN.

MILWAUKEE—Kieckhefer A. Elevator Co.

## 4156—Dumb Waiters (Electric)

**Abell Elevator Co., 114 N 8th, Louisville, Ky.**
Elec. Dumbwaiter Co., 116 Morgan, Pittsburg, Pa.
Elevator Supplies Co. Inc., Hoboken, N. J.
Energy Elevator Co., 214 New, Phila., Pa.
**Kansas City Elevator Mfg. Co., Kansas City, Mo.**
**Kimball Bros. Co., P O Box 154, Council Bluffs, Ia.**
Lamson Co., 100 Boylston, Boston, Mass.
Miller Wm. A. Machine & Elevator Co. (Automatic & Push Button), 1000 N Main, St. Louis, Mo.
Nock & Garside Elevator Co., Denver, Colo.
Otis Elevator Co., 26th & 11th av, New York
Pennsylvania Elevator Co., Hartje bldg., Pittsburgh, Pa.
**Roberts Jas. H. Elevator Co., 430 W B'way, N. Y.**
Speidel John G., Reading, Pa.
*See adv index at end of book*
**Storm Mfg. Co., 50 Vesey, Newark, N. J.**
**Sturm Dumbwaiter & Elevator Co., Portland, Ore.**
**WARSAW ELEVATOR CO., Warsaw, N.Y.**
*See adv index at end of book*

## 4157—Dumb Waiters (Pneumatic)

Lamson Co., 100 Boylston, Boston, Mass.
Morrison Angus Co., 183 High, Boston, Mass.

## 4158—Dumb Waiters (Self-Sustaining)

**Abell Elevator Co., 114 N 8th, Louisville, Ky.**
**International Steel & Iron Co., Evansville, Ind.**
**Kansas City Elevator Mfg. Co., Kansas City, Mo.**
**Kimball Bros. Co., P O Box 154, Council Bluffs, Ia.**
**Lamson Co., 100 Boylston, Boston, Mass.**
Miller Wm. A., Machine & Elevator Co., 1000 N Main, St. Louis, Mo.
Morrison Angus Co., 183 High, Boston, Mass.
Sedgwick Machine Works, 150 W. 15th New York
**SPEIDEL JOHN G., Reading, Pa.**
*See adv index at end of book*
Storm Mfg. Co., 50 Vesey, Newark, N. J.
Warsaw Elevator Co., Warsaw, N. Y.

## 4159— Dumps (Ash)

Adams Co. (Fire Place), Dubuque, Ia.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Covert H. W. Co., 137 E. 46th, New York
**Donley Bros. Co. (The), ("D B"), 3625 E 74th, Cleveland, O.**
*See adv index at end of book*
Jardine Walter S. & Sons Co. (Fireplace), 29 Central, Arlington Heights, Mass.
**Majestic Co. ("Majestic"), Huntington, Ind.**
Withers Foundry & Machine Works, Atlanta, Ga.

## 4160—Dumps (Automatic, Cross-Over)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
**Oliver Wm. J. Mfg. Co., Knoxville, Tenn.**
**Phillips Mine & Mill Supply Co. ("Phillips"), 2227 Jane, Pittsburgh, Pa.**
**Sanford-Day Iron Works ("Bumpa"), Knoxville, Tenn.**

## 4161— Dumps (Ice)

Columbus Iron Works, Columbus, Ga.
**Triumph Ice Machine Co., Oakley, Cincinnati, O.**

## 4162— Dumps (Rotary Mine)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Ottumwa Box Car Loader Co., Ottumwa, Iowa
**Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.**
Wood Equipment Co. (Pneumatic), 1220 E. 75th, Chicago, Ill.

## 4163-4— *Dumps (Wagon)

**Jeffrey Mfg. Co., 961 N 4th, Columbus, O.**
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*

## 4165-6— Duplicators

(For the Reproduction of Manuscripts, Plans, etc)
**American Duplicator Co., 3 Coenties sl, New York**
**American Multigraph Sales Co. ("Flexotype" Multigraph), 1832 E 40th, Cleveland, O.**
Beck Duplicator Co. ("Iron Clad," "Rolofilm," "Self-Feeding"), 476 B'way, New York
Bensinger C. Co., 15 Whitehall, New York
**Daus Felix F. Duplicator Co. ("Tip-Top"), 111 John, New York**
**Dick A. B. Co. ("Edison Mimeograph"), 736 W Jackson blvd, Chicago, Ill.**
Duplicator Mfg. Co. ("Ditto" Commercial), 530 S. Dearborn, Chicago, Ill.
**Durkin, Reeves & Co. ("Modern"), 507 Schmidt bldg, Pittsburgh, Pa.**
**Evans Products Corp'n (All-Steel), 46 Murray, New York**
General Manifold & Printing Co. ("Lewis" **Biller), 727 S Dearborn, Chicago, Ill.**
**Hektograph Mfg. & Dup. Co., 46 Murray, New York**
**Heyer T. A. Duplicator Co., 160 N Wells, Chicago, Ill.**
**Home & Export Duplicator Co., 228 W B'way, New York**
Lineograph Co. ("Lineograph," Rotary or **Flat), 112 Fulton, New York**
**Lisenby Mfg. Co. (Multicolor Presses), Fresno, Cal.**
Meadows Blower & Pipe Works, 25 Meserole av, Brooklyn, N. Y.
**Natl. Duplicators Co., 72 Pine, New York**
**Neostyle Co., 319 B'way, New York**
New Writerpress Co. ("Writerpress" Letter Duplicator & Office Printing Machine), Shelton, Conn.
**Parker, Edwin A. Corp., 591 Hudson, New York**
**Pen Carbon Mfg. Co., New Brunswick, N. J.**
**Rotospeed Co., Dayton, O.**
**Schapirograph Co., 228 W B'way, New York**
**Writerpress Lettergraph Co., Shelton, Conn.**

## 4167— Duralumin

American Duralumin Co., 11 Pine, New **York**

## 4167a— *Dust Arresters

MacLeod Co., 2227 Bogen, Cinn, O.
*See adv index at end of book*

A new design of apparatus for spraying Cement and Stucco work on walls and foundations.
MACLEOD CO., 2227 Bogen St., Cincinnati, O.

## 4168—Dust Arresters For Foundries

**Bicalky Fan Co., Buffalo, N. Y.**
**Central Iron Works (For Arresting all Dust from Tumbling Mills, Emery & Polishing Wheels & Sand Blast Rooms), Quincy, Ill.**
**Cleveland Nickel Works ("Glassford"), 1167 W 67th, Cleveland, O.**
Dayton-Dowd Co. ("Reliable"), Quincy, Ill.
**HERSCH & BROS.,** Allentown, Pa.
*See adv index at end of book*
Hoevel Mfg. Corp., 166 Ogden av, Jersey City, N. J.
*See adv index at end of book*
**Illinois Mfg. & Supply Co., Quincy, Ill.**
**Knickerbocker Co., Jackson, Mich.**
MacLeod Co., 2227 Bogen, Cincinnati, Ohio
*See adv index at end of book*
Pangborn Corp., Hagerstown, Md.
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
**Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.**
**U. S. Steel Tank & Pipe Co., 2090 Canalport av, Chcago, Ill.**
**Whiting Foundry Equipment Co., Harvey, Ill.**

### 4168a—*Dust Arresters (Metal Screen)

**MACLEOD CO.**, 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

### 4169— Dust (Bone)

Hafleigh & Co., Cambria & N American, Phila., Pa.
Nitrate Agencies Co. (Imp), 102 Pearl, New York

### 4170—Dust Collectors (Mechanical)

Allen E. H. Co., 41 Beverly, Boston, Mass.
Allington & Curtis Mfg. Co., Saginaw, Mich.
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
Banister A. W. Co. (Separators), 421 Dorchester av, S Boston, Mass.
Bernard & Leas Mfg. Co. (Rotary Pneumatic), Moline, Ill.
Bicalky Fan Co., Buffalo, N. Y.
Buckeye Blower Co., 425 W. Town, Columbus, O.
Buffalo Forge Co., Buffalo, N. Y.
Carlisle & Gale Co., 5 North, Boston, Mass.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Clark Dust Collecting Co. (For Sand Blasting Systems, Cement Plants, etc.), Fisher bldg, Chicago, Ill.
Clark T. F. & Co., Seattle, Wash.
Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, O.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Cyclone Blow Pipe Co. ("Cyclone"), 2552 W 21st, Chicago, Ill.
*See adv index at end of book*


**CYCLONE BLOW PIPE CO.**

**2542-2552 W. 21st Street Chicago, Ill.**

**Back Pressure Proof Cyclone DUST COLLECTORS, Automatic FURNACE FEEDERS, Slow Speed Steel Plate EXHAUST FANS.**

**Exhaust and Blow Pipe Systems**


Day Co. ("Day"), 1004 Lyndale, Minneapolis, Minn.
Detroit Blowpipe Co., 366 Gd. River av, Detroit, Mich.
Dixie Mfg. Co. ("Cyclone"), Russel & B. & O. R. R., Baltimore, Md.
Empire Blower & Pipe Co., Rochester, N. Y.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Goethel Alfred C. Co., The (Not inc), 301-303 4th, Milwaukee, Wis.
Grand Rapids Blow Pipe & Dust Arrester Co. ("Up-to-date"), Grand Rapids, Mich.
HERSCH & BROS., Allentown, Pa.
*See adv index at end of book*
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" for Mill Dust), Silver Creek, N. Y.
Invincible Blow Pipe Co., 2527 Homer, Chicago, Ill.
Kelker Blower Co., 2383 Filmore av, Buffalo, N. Y.
King F. E. Co., Norfolk, Va.
Kirk & Blum Mfg. Co., 2850 Spring Grove, Cincinnati, O.
Knickerbocker Co. ("Cyclone," "Morse" Rarified for Sand Blast, Tumbling Barrels, etc), Jackson, Mich.
Lee Thos., 129 W 2d, Cincinnati, O.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Mannen John E. Co., 2247 St. Clair, Cleveland, O.
Miller J. K. Co. ("Western"), Seattle, Wash.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
No Dust Drying Machine Co. ("No Dust"), 157 Dorrance, Providence, R. I.
Ohio Bochy Blower Co., 9300 Detroit av., Cleveland, O.
Pangborn Corp., Hagerstown, Md.
Porbeck Dust Arrestor & Blow Pipe Co., 2017 N B'way, St. Louis, Mo.
Prinz & Rau Mfg. Co. ("Perfection"), 659 E Water, Milwaukee, Wis.
Richmond Mfg. Co. ("Niagara," for Corn, Grain, etc), Lockport, N. Y.
Skinner Bros. Mfg. Co., 10th & Tyler, St. Louis, Mo.
Sprout, Waldron & Co., Muncy, Pa.
Sterling Blower Co. ("Sterling" Cyclone), Hartford, Conn.
Venderbush & Co., Detroit Mich.
Western Blow Pipe & Sheet Metal Co. ("Improved Cyclone"), St. Louis, Mo.
Western Blower Co., 1800 9th av, So. Seattle, Wash.
Wolf Co., Chambersburg, Pa.

### 4170a— Dust (Fire Clay)

Crescent Refractories Co., Curwensville, Pa. *See adv index at end of book*

### 4171—Dust Guards (Journal Box)

Franklin Mfg. Co. (Asbestos), Franklin, Pa.
Harrison Dust Guard Co., Toledo, O.
McCord & Co., 122 S Michigan av, Chicago, Ill.
Symington T. H. Co. ("Symington"), Md. Trust bldg, Baltimore, Md.
UNION SPRING & MFG. CO., 1211 Fulton bldg., Pittsburgh, Pa.
*See adv index at end of book*
Western Railway Equipment Co. ("Security"), Central National Bank bldg, St. Louis, Mo.

### 4171a— Dust (Saw)

Estes E. B. & Son (Box Wood), 364 5th av, New York
*See adv index at end of book*
Smith, Oscar & Son, Albany, N. Y.

### 4172— Duster Mfrs.

See also Cloths, Dustless Dust

American Feather Duster Co. (Ostrich Feather), 23 Great Jones, New York
Boston Feather Duster Co. (Feather), 74 Pearl, Boston, Mass.
Burton A. & E. & Co. (Painters, Counters, Furniture, Factory, Foundry, etc., Turkey Feather, Ostrich Feather, etc., 73 Pearl, Boston, Mass.
Dearborn Duster Co. ("Dearborn," "La France" & "Uneeda"), (Feather, Woven Down & Wool), 550 W Harrison, Chicago, Ill.
Dunlap Mfg. Co. ("Oil of Gladness" for Furniture, etc), Bloomington, Ill.
Empire Feather Duster Co. (Ostrich Feather), 203 Centre, New York
Friedlander Paul N., 337 Broadway, New York
Hays Duster Co. (Feather), 5 W 4th, New York
Hoag Duster Co. ("Hoag," "Iowa" Hand Split Feather), Monticello, Iowa
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Homer Bros. & Muir Co. (Antiseptic), 66 Pearl, Boston, Mass.
Howard Dustless Duster Co. ("Howard" Dustless Dust Cloths, Dust Mops & Handle Dusters), 290 Franklin, Boston, Mass.
Levy S. ("Bell," "La France," "London" Feather), 618 New Market, Phila., Pa.
McCleverty James (Turkey & Ostrich Feather, etc), 148 Wildey, Phila., Pa.
Milton Chemical Co. ("B. B." Utility), 156 Sixth, Cambridge, Mass.
National Brush Co., Aurora, Ill.
National Duster Co. Ltd. (Turkey & Ostrich Feathers, etc), 736 S 2d, Phila., Pa.
New Jersey Brush Co. (Furniture, Painters, etc), Bloomfield, N. J.
N. Y. Feather Duster Co. (Feather), 649 B'way, New York
Ohio Duster Co. ("Elie"), Cleveland, O.
Osborn Mfg. Co. (Wire, Fibre, Bristle, etc), 5401 E. Hamilton, Cleveland, O.
*See adv index at end of book*
Pioneer Mfg. Co. ("Shino" Dust Absorbing), Harvard av & E 103rd, Cleveland, O.
Rubberset Co. ("Rubberset," Camels Hair Photographers, etc), 56 Ferry, Newark, N. J.
Tate E. A. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Universal Brush Co. ("Kleanwell," "Faultless," "De Lux" & "Midnight" Hand), 181 Quincy, Chicago, Ill.
Wax Brush Co. ("Bwaxo"), 56 Sanford, Boston, Mass.
Weil Ransom Co. ("Chicago" Feather), 816 Fulton, Chicago, Ill.

### 4173— Dusters (Bran)

Allis Chalmers Mfg. Co. (& Shorts), Milwaukee, Wis.
Barnard & Leas Mfg. Co. ("Barnard-Moline"), Moline, Ill.
Nordyke & Marmon Co., Ky av & Morris, Indianapolis, Ind.
Richmond Mfg. Co. ("Niagara," "Empire"), Lockport, N. Y.
Wolf Co., Chambersburg, Pa.

### 4173a— Dusters (Counter)

Osborn Mfg. Co. (Fibre, Bristle, Wire & Combination, 5401 E. Hamilton av, Cleveland, O.
*See adv index at end of book*


OSBORN BRUSHES & BROOMS


Pollock Brush Co., 25-27 N. Fourth, Easton, Pa.

### Dusters (Dustless)

See Cloths, Dustless Dust

### 4174— Dusters (Insecticide)

Leggett & Bro. ("Beetle," "Potato," "Champion," "Little Giant"), 301 Pearl, New York
McWhorter Mfg. Co. (Paris Green), Riverton, N. J.

### 4175— Dusters (Mitten)

Pioneer Mfg. Co. ("Shino"), Harvard av & 103rd, Cleveland, O.

### 4176— Dusters (Painters')

Carroll Bros. & Co., 415 W Baltimore, Baltimore, Md.
Hanlon & Goodman Co., 270 Pearl, New York
Whiting J. L.-Adams J. J. Co., 690 Harrison av, Boston, Mass.

### 4177— Dusters (Paper Mill)

Holyoke Machine Co., Holyoke, Mass.
Noble & Wood Machine Co. (Fan, Pin & R R), Hoosick Falls, N. Y.
Norwood Engineering Co. (R R & Fan), Florence, Mass.


**Hendricks' Commercial Register**

**is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.**

***When writing to firms whose names appear in this book please mention***

**Hendricks' Commercial Register**

*CHROME COLORS* *BASIC COLORS* *INTERMEDIATES*

**CHROME BLACK FF. CHROME CYANINE R EXTRA CONCEN.**

**Victoria Blue B**
**Victoria Blue Base**
**Victoria Blue Diamond Crystals**

BUTTERWORTH JUDSON CORPORATION

61 BROADWAY :-: :-: :-: :-: NEW YORK, N. Y.

## 4177a— Dye Stuffs

See also Aniline Colors, Dyes & Dyestuffs

Acme Sales Corp., 189 Clark, Chicago, Ill.
Althouse Chemical Co., Reading, Pa.
American Dyewood Co., 80 Maiden lane, New York
**BUTTERWORTH - JUDSON CORPORATION** (Acid, Basic, & Chrome & Victoria), 6 B'way, New York
*See adv index at end of book*
Cronkhite Co. Inc., 185 Devonshire, Boston, Mass. *See adv index at end of book*
Du Pont E. I. De Nemours & Co., Wilmington, Del.
Hartmann Pacific Co., 80 Wall, New York
National Aniline & Chemical Co., 21 Burling Slip, New York

## 4177b— Dyes

See also Aniline Colors, Dyes & Dyestuffs

Althouse Chemical Co., Reading, Pa.
American Dyewood Co., 80 Maiden lane, New York

## 4177c— Dyewoods

Althouse Chemical Co., Reading, Pa.

## 4178— Dynamite Mfrs.

**AETNA EXPLOSIVE CO. INC.**, 165 Broadway, New York
American Dynalite Co. ("Dynalite"), Amherst, O.
**ATLAS POWDER CO.**, 140 N. Broad, Phila., Pa.
*See adv index at end of book*

ATLAS EXPLOSIVES

**GELATIN DYNAMITE**
for Metal Mining.

Atlas Gelatin Dynamite is especially adapted for metal mine blasting, shaft sinking and tunnels. Low freezing and water resisting. All strengths 30% to 90%.

ATLAS POWDER CO.
140 North Broad Street
Philadelphia, Pa.

Cameron Powder Mfg. Co., Emporium Pa.
**Dittmar Powder Works, 102 W 130th, New York**
Du Pont (E. I.) De Nemours & Co., Wilmington, Del.
**Excelsior Powder Mfg. Co., Kansas City, Mo.**
**GIANT POWDER CO. CONS.**, San Francisco, Cal. *See adv index at end of book*
Grasselli Powder Co. ("Mine-ite," "Fuel-it," "Cameron," Permissibles), Guardian bldg, Cleveland, O.
Hall's Ellis Sons Co., Oil City, Pa.
**HERCULES POWDER CO.** ("Hercules," "Hercules Gelatin Dynamite," "Hercules Blasting Gelatin," "Hercules Permissible Powders," "XPDITE" & "Red H," "Hercules L F," Explosives: "Hercules Extra Ammonia," "Hercules Extra L. F.," "Hercules Gelatin L. F.," "Hercules" Farm Dynamite), Wilmington, Del.
*See adv index at end of book*
**King Powder Co., 1st Nat'l Bank bldg, Cincinnati, O.**
McAbee G. R. Powder & Oil Co., Keenan bldg., Pittsburgh, Pa.
**Nitro Powder Co., Kingston, N. Y.**
**Rockdale Powder Co., York, Pa.**
**West Penn Powder Co., 2nd Nat'l Bank bldg, Pittsburgh, Pa.**

## 4179—Dynamo & Motor Mfrs.

(For Light & Power)

**See also Dynamos, Electro Plating; also Generators, Various Kinds; also Motors, Various Kinds**

### CALIFORNIA.

LOS ANGELES—U. S. Electric Mfg. Co., 300 S. Central av
**SAN FRANCISCO—Union Iron Works Co., 20th & Michigan**

### ILLINOIS.

CHICAGO—Bodine Electric Co. (D. C. 1-20 to ⅛ H. P.), 564 W Randolph
Crown Pheostat & Supply Co., 15 S. Desplaines
**Fairbanks Morse & Co. (Direct & Alternating), 900 S. Wabash av**
**GENERAL ELECTRIC CO.** (Direct & Alternating), Monadnock blk
*See adv index at end of book*
**Globe Electric Co. (Alternating), 6340 Stony Island av**
Guarantee Electric Co., 430 S Green
**Kimble Electric Co. ("Kimble" Induction & Variable Speed Motors), 634 Northwestern av**
**Morgan-Gardner Electric Co. (Direct Current), 27th & Shields av**
**National Stamping & Electric Works (Direct Current), 424 S Clinton**
**Peerless Electric Co. (Direct Current), 550 W Harrison**
**Roth Bros. & Co. (Direct Current Vertical Shaft Motors), 1400 W Adams**
**Victor Electric Co. (Direct Current, Small), 236 S. Robey**

### INDIANA.

ANDERSON—Arvac Mfg. Co.
FORT WAYNE—General Electric Co.
*See adv index at end of book*
TERRE HAUTE—Kester Electric Co. (D. C.)

### KENTUCKY.

LOUISVILLE—Clark Jas. Jr., Electric Co ("Willey," Direct Current)
OWENSBORO—Kentucky Electrical Co., (Direct Current)

### MAINE.

PORTLAND—Maine Electric Co.

### MARYLAND.

**BALTIMORE—Voltamp Electric Mfg. Co. (Miniature), 407 N Paca**

### MASSACHUSETTS.

BOSTON—Sturtevant B. F. Co. ("Sturtevant" Direct Current), 15 Damon Hyde Park
**Holtzer-Cabot Electric Co. (Direct & Alternating Current), 125 Amory**
Werby A. & Co. (Dealers), 47 Beverly
**LYNN—GENERAL ELECTRIC CO.** (Direct & Alternating)
*See adv index at end of book*
**PITTSFIELD—General Electric Co.**
*See adv index at end of book*

### MICHIGAN.

DETROIT — Fisher Electrical Works (D. C.), 32 Lynn
Fuller Co. (Direct Current), 1565 Russell
GLADSTONE—Marble Card Elec. Co. (Direct Current) ½ to 75 HP.)
ST. JOSEPH—Engberg Electric & Mechanical Works

### MINNESOTA.

MINNEAPOLIS—Boustead Elec. & Mfg. Co., 18 E Hennepin
**Electric Machinery Co. (Direct & Alternating), 14th av & N E Tyler**
**ST. PAUL—Olson-Boettger Electric Mfg. Co. (Direct Current, Small), 418 Franklin**

### MISSOURI.

JEFFERSON CITY—Star Dynamo Co. (Direct Current)
ST. LOUIS—Advance Electric Co. (Alternating), 631 Maple
Century Electric Co., 19th & Pine
Emerson Electric Mfg. Co., 2024 Washington av
Wagner Electric Mfg. Co. (Alternating Current) 6400 Plymouth av

### NEW HAMPSHIRE.

CONCORD—Cushman Elec. Co. (Direct Current)
**LEBANON—Kendrick-Davis Co. (Battery,**

### NEW JERSEY.

AMPERE—Crocker, Wheeler Co. (Direct & Alternating)
BELLEVILLE—Eck Dynamo & Motor Co. ("High-Grade" Direct Current Dynamos & Motors & Alternating Current Dynamos)
ELIZABETH—Diehl Mfg. Co. (Direct Current 1/50 to 500)
**GARWOOD—Bell Electric Motor Co. (A C & D C)**
IRVINGTON—Conn. Dynamo & Motor Co.
NEWARK—Star Electrical Motor Co., Miller & N. J. R. R. av
ROSELLE PARK—Shedd Electric Co. **(Direct Current, Small)**

### NEW YORK.

BINGHAMTON—Stow Mfg. Co.
*See adv index at end of book*
**BUFFALO—McCarthy Bros. & Ford (D. C)**

### NEW YORK CITY.

NEW YORK—Bogue Chas. J. Electric Co. (Direct Current), 513 W 29th
Dilg Mfg. & Trading Co. (Direct Current), 127 E 125th
Green W. Electric Co. (Direct Current, Small Motors), 81 Nassau
Rateau, Battu, Smoot Co., 90 West
Sprague Electric Works ("Lundell" Direct Current), 527 W 34th
Western Electric Co., 463 West
**(End of New York City)**
ROCHESTER—Rochester Motors Co. (D C)
SCHENECTADY — **GENERAL ELECTRIC CO.** (Direct & Alternating, Alternators) *See adv index at end of book*
TROY—Troy Electrical Co.

### OHIO.

AKRON—Imperial Electric Co. (Direct Current)
CINCINNATI—Carlisle & Finch Co., 229 E Clifton av
Jantz & Leist Elec. Co. (Multipolar D C)
Triumph Electric Co. (Direct & Alternating Current), Oakley
Wesche B. A. Elec. Co., 327 E. 6th
CLEVELAND—Cleveland Armature Works Inc. (Direct Current), 4736 St. Clair av
Lincoln Electric Co. (D C & A C)
Ohio Electric & Controller Co. (D C), 5900 Maurice av
**RELIANCE ELECTRIC & ENGINEERING CO.**, 1064 Ivanhoe rd
*See adv index at end of book*
DAYTON—Dayton Electrical Mfg. Co. ("Dayton" up to ½ H P)
Dayton Fan & Motor Co.
LEIPSIC—Temco Electric Motor Co. ("Temco")
MANSFIELD—Ideal Electric & Mfg. Co. (Direct & Alternating Current, Open & Enclosed)
Phoenix Electric Co.
*See adv index at end of book*
SPRINGFIELD—Robbins & Myers Co. (Direct & Alternating Current), 1400 Lagonda av
TOLEDO—Rollaway Co. ("Rollaway" Bicycle Motor), 1048 Shepard
TROY—Hobart Bros. Co.
WARREN—Peerless Electric Co. ("Peerless" Direct Current)

### PENNSYLVANIA.

EAST PITTSBURGH — **WESTINGHOUSE ELECTRIC & MFG. CO.**
*See adv index at end of book*
ERIE—Burke Electric Co. (Direct & Alternating)
General Electric Co.
*See adv index at end of book*
LANCASTER—Fidelity Electric Co. (A. C. & D. C.)
PHILADELPHIA—Dienelt & Eisenhardt, 1304 N Howard
Kinetic Electric Co. (Direct Current), S Schnell
PITTSBURGH — **DUQUESNE ELECTRIC & MFG. CO.**, Bessemer bldg
*See adv index at end of book*
Pittsburgh Electrical & Machine Works, Barker pl


# Westinghouse
## Electrical Apparatus
### FOR EVERY REQUIREMENT

W
WESTINGHOUSE ELECTRIC

**For Automobiles, Electric**
Battery Charging Outfits
Plugs and Receptacles
Lamps, Meters
Motors and Controllers
Switches
Tire Vulcanizers

**For Automobiles, Gasoline**
Battery Charging Outfits
Lamps, Meters
Starting, Lighting, Ignition } Systems embracing:
Starting Motors, Generators, Lamps, Headlights, Switches, etc.
Tire Vulcanizers

**For the Garage**
Battery Charging Outfits
Blow Torches
Insulating Tape
Incandescent Lamps
Radiators
Small Motors for driving:
Lathes, tire pumps, machine tools, polishing and grinding lathes.
Solder and soldering Fluids
Tire Vulcanizers
Rectigon Battery Charger

**For the Home**
Electric Ware, including:
Chafing dishes, coffee percolators, curling irons, disc stoves, frying pans, heating pads, irons, radiators, saute pans, sterilizers, tea samovars, and toaster stoves.
Electric Ranges
Fans
General Utility Motors
Incandescent Lamps
Motors for Driving:
Coffee grinders, ice-cream freezers, ironing machines, washing machines, meat choppers, vacuum cleaners, sewing machines, polishing and grinding wheels, small lathes and other machine tools, pumps and piano players.
Sewing Machine Motors, Ozonizers

**For Hotels, Restaurants, Bakeries and Laundries**
Electrical Cooking Apparatus
Elevator Motors and Controllers
Ceiling, Desk, Bracket and Telephone Booth Fans
Irons for Laundries and Tailors
Immersion Heaters, Arc Lamps
Incandescent Lamps
Small Motors for driving:
Washing machines, dish washers, food choppers, grinders, and slicers, dough mixers, egg beaters, ice crushers, ice-cream freezers, knife grinders, silver polishers, dumbwaiters, and vacuum cleaners.
Ozonizers, Radiators, Switchboards, Ventilating Outfits

**Industrial Apparatus**
Motors and Controllers for every application, the more important of which are:
Machine shops, wood-working plants, textile mills, steel mills, flour mills, cement mills, brick and clay plants, printing plants, irrigation, elevators, and pumps.
Locomotives, Telpherage Systems, Welding Outfits
Heating Devices for industrial use, such as:
Chocolate warmers, glue pots and cookers, immersion heaters, solder pots, matrix driers, hat-making machinery, linotype pots, etc.

**For Mines**
Arc Lamps
Compressors
Locomotives
Motors for Hoists and Pumps
Motor-Generator Sets
Portable Substations
Switchboards
Line Material
Ventilating Outfits

**For Power Plants and Transmission Lines**
Arc Lamps and Accessories
Circuit-Breakers and Switches
Controllers
Control Systems
Fuses and Fuse Blocks
Generators
Insulating Material
Lamps, Incandescent and Arc
Lightning Arresters
Line Material
Locomotives
Meters
Motors
Motor-Generators
Rectifiers
Regulators
Relays
Rotary Converters
Solder and Soldering Fluids
Substations, Portable
Switchboards
Transformers
Turbo-Generators

**For the Office and Store**
Electric Radiators, Fans, Arc Lamps, Incandescent Lamps, Ozonizers
Small Motors for Driving:
Addressing machines, dictaphones, adding machines, erasers, cash carriers, moving window displays, signs, flashers, envelope sealers, duplicators, etc.
Ventilating Outfits

## WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY
EAST PITTSBURGH, PA.
SALES OFFICES IN ALL LARGE AMERICAN CITIES

PENNSYLVANIA—continued
DYNAMO & MOTOR MFRS.—continued
RIDGWAY—Ridgway Dynamo & Engine Co. (Direct Current)

WASHINGTON.

SEATTLE—N. & S. Foundry Co.

WISCONSIN.

LA CROSSE—Benton Electric Co. (D. C.)
MILWAUKEE—Allis-Chalmers Mfg. Co. (Direct & Alternating)
Andrae Julius & Sons Co. (Small), 362 Broadway
Holt Electric Co. (Direct Current), 379 S Pierce
Mechanical Appliance Co. (Direct & Alternating Current)
Northwestern Mfg. Co. (D. C. to 75 H.P.), 482 Clinton

## 4180— Dynamometers

**Burr Co. (Railway), Champaign, Ill.**
Diehl Mfg. Co., Elizabeth, N. J.
Du Vivier Ernest H. (Imp.) (Dial & Recording), 30 Church, New York
Eck Dynamo & Motor Co., Belleville, N. J.
Foote, Pierson & Co., 160 Duane, New York
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Hartford Special Machinery Co. (Rubber Testing), Hartford, Conn.
Leeds & Northrup Co. (Electric), 4901 Stenton av, Phila, Pa.
Olsen Tinius Testing Machine Co. (Traction & Power Transmission), 500 N 12th, Phila., Pa.
Pearce Fred'k Co., 20 Rose, New York
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Roller-Smith Co. ("Roller-Smith" Electric), 233 B'way, New York
Sprague Electric Works (Round Type), 527 W 34th, New York
Tracy Joseph (Fan), 1786 B'way, New York

## 4181—Dynamos (Electro-plating)

Aaron Electric Co., 15 S Clinton, Chicago, Ill.
Bell Electric Motor Co., Garwood, N. J.
Bishop W. S., New Haven, Conn.
Bogue Chas. J. Electric Co., 513 W 29th, New York
Boissier Electric Co. ("World"), 81-89 Tenth, Long Island City, N. Y.
Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
Clark Jas. Jr. Elec. Co., Louisville, Ky.
Connecticut Dynamo & Motor Co., Irvington, N. J.
Crocker-Wheeler Co., Ampere, N. J.
Cutter & Wood Supply Co., 77 Pearl, Boston, Mass.
*See adv index at end of book*
Eager Electric Co., Watertown, N. Y.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
General Platers Supply Co., 489-493 Broome, New York
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Ideal Electric & Mfg. Co., Mansfield, O.
Jantz & Leist Electric Co., Cincinnati, O.
Kendrick-Davis Co. ("K.-D."), Lebanon, N. H.
L'Hommedieu Chas. F. & Sons Co., 24 S Clinton, Chicago, Ill.
Munning A. P. & Co. ("Optimus"), Matawan, N. J.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Rochester Motors Co., Rochester, N. Y.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Dynamos (Plating)

See Dynamos, Electro-plating

## 4182— Dynamos (Turbine)

**DE LAVAL STEAM TURBINE CO.** (D. C. & A. C.), East Trenton, N. J.
*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 4183— Dynamotors

Bell Electric Motor Co., Garwood, N. J.
Butler-Edwards Electric Co., Easton, Pa.
Connecticut Dynamo & Motor Co., Irvington, N. J.
Crocker-Wheeler Co., Ampere, N. J.
Diehl Mfg. Co., Elizabeth, N. J.
Eck Dynamo & Motor Co., Belleville, N. J.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Roth Bros. & Co. (Ringing), 1400 W Adams, Chicago, Ill.
Sprague Electric Works (Round Type), 527 W 34th, New York

## Earphones

See Audiphones

## 4184— Ears (Trolley)

Creaghead Engineering Co., 340 Main, Cincinnati, O.
Drew Electric & Mfg. Co., Indianapolis, Ind.
Edna Brass Mfg. Co., Cincinnati, O.
Electric Railway Equipment Co., Cincinnati, O.
Eureka Co., North East, Pa.

## Earth (Bleaching)

See Fullers Earth

## 4185— Earth (Infusorial)

Atlas Mineral Products Co., Lincoln, N. J.
Behrend F. (Imp), 170 Front, New York
Chrystal Charles B. (Imp) (Kieselguhr, Fossil Flour), 13 Cliff, New York
*See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Dunn & Kruse (Imp), 63 Park Row, New York
Fuerst Bros. & Co., 2 Stone, New York
Hammill & Gillespie (Imp), 240 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Celite Products Co., Van Nuys Bldg., Los Angeles, Cal.
National Sales Co. (Imp), 31 E 13th, Cincinnati, O.
New England Quartz Co. of N. Y., 150 Nassau, New York
**OXFORD TRIPOLI SALES CO., INC.**, 11 B'way, New York
Salomon L. A. & Bro. (Imp), 216 Pearl, New York
Scheel Wm. H. (Imp), 159 Maiden la, New York *See adv index at end of book*
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, New York

## 4186— Earth (Tripolite)

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Scheel Wm. H. (Imp), 159 Maiden la, New York *See adv index at end of book*

## Earthenware

See Potteries; China Ware; Plumbers' Sanitary Earthenware, etc

## 4187— Easels (Brass)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heitler Kurt, 221 4th av, New York
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*

## 4188— Easels (Paper)

Springman Paper Products Co., 75 W Larned, Detroit, Mich

## 4189—Easels (Plate & Picture, Etc.)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS**, 364 5th av, New York. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 4190— Easels (Wire)

Cassady Fairbank Mfg. Co. ("Andersons" Adjustable Display), 6126 S La Salle, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heitler Kurt (Rubber Covered), 221 4th av, New York
Woods-Sherwood Co. (Wire), Worcester, Mass.

## Eave-Trough Mfrs.

See Conductor Pipe & Eave-Trough Manufacturers

## 4191— Economizers (Air)

Sterling Equipment Co. ("Sterling," Reheated Compressed Air), 139 N Clark, Chicago, Ill.

## 4191a— Economizers (Fuel)

American Fuel Savings Corp., Fort Wayne, Ind.
Am. Power Co., 630 Washington, Boston, Mass.
Green Fuel Economizer Co., Beacon, N. Y.
Power Specialty Co., 111 B'way, New York
*See adv index at end of book*

## 4192— Edgers (Double)

American Woodworking Machinery Co., Rochester, N. Y.
Chase Turbine Mfg. Co. (Power Feed with Movable Saw), Orange, Mass.
Filer & Stowell Co., Milwaukee, Wis.
Lane Mfg. Co. Montpelier Vt.
Murray D. J. Mfg. Co., Wausau, Wis.
Stratton & Braag Co., Petersburg, Va.
*See adv index at end of book*
Union Iron Works, Bangor, Me.
Yates P. B. Machine Co., Beloit, Wis.

## 4193— Edgers (Gang Saw)

Adams W. T. Machine Co., Corinth, Miss.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Saw Mill Machinery Co. ("American" & "Junior"), Hackettstown, N. J.
American Woodworking Machinery Co., Rochester, N. Y.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Butterworth & Lowe, Grand Rapids, Mich.
California Saw Works, 721 Brannan, San Francisco, Cal.
Clark Bros. Co., Olean, N. Y.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Diamond Iron Works ("Diamond & Armstrong"), 2nd & 18th av N, Minneapolis, Minn.
Enterprise Co., Columbiana, O.
Fay J. A. & Egan Co., Cincinnati, O.
Garland M. Co., Bay City, Mich.
Gibbes Machinery Co., Columbia, S. C.
Gordon Hollow Blast Grate Co. ("The Tower"), Greenville, Mich.
Grace C. M. & Co., Huntsville, Ala.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Holmes E. & B. Machinery Co., Buffalo, N. Y.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Kline Lewis T., Alpena, Mich.
Knight Mfg. Co., Canton, O.
Lane Mfg. Co., Montpelier, Vt.
Memphis Machine Works, Memphis, Tenn.
Moltz Jacob J., Williamsport, Pa.
Murray D. J. Mfg. Co., Wausau, Wis.
Newman Machine Co., Greensboro, N. C.
Phoenix Mfg. Co., Eau Claire, Wis.
Puget Sound Machinery Depot, 318 1st av, So Seattle, Wash.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Star Machinery Co., 1731 1st av S, Seattle, Wash.
Stearns Co., Erie, Pa.
Steliman L. H. & Son, Brattleboro, Vt.
Union Iron Works, Bangor, Me.
Union Iron Works, Spokane, Wash.
United States Machine Co. (Shingle, etc), Williamsport, Pa.
Wheland Co., Chattanooga, Tenn.
Yates P. B. Machine Co. Beloit, Wis.

## Edgers (Lumber)

See Edgers, Gang Saw

## 4194— Edgers (Roofing)

Danzer Metal Works ("Danzer's Lightning," Hand & Foot Power), Hagerstown, Md.

## 4195— Edgers (Turf)

American Fork & Hoe Co., Swetland bldg, Cleveland, O.

Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y. *See adv index at end of book*
Kohler F. E. Co., Canton, O.
Standard Auger Co. ("Finch"), 57 W 34th, Chicago, Ill.
Union Fork & Hoe Co. (Solid Steel Bronze Finish), Columbus, O.

## 4196—Eductors (Jet Water & Sand Lifting)

Otterson Auto Eductors Co., Springfield, O.
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.

## 4196a— Eggs (Darning)

See Balls, also Darning

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 4197— Eggs (Nest)

American Crayon Co. (Hygieia & Lime), 1300 Hayes av, Sandusky, O., & Waltham, Mass.
Point Marion Glass Novelty Co., Point Marion, Pa.
White Tar Co. (Napthalene), John & Cliff, New York

## 4197a— Ejectors (Acid)

General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, O.
Durion Castings Co., Dayton, O.
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.

## 4198—Ejectors (Ash, Hydraulic)

Davidson M. T. Co. ("Davidson"), 154 Nassau, New York
East Bangor Mfg. Co., Bangor, Pa.
Marine Mfg. & Supply Co., 158 South, New York
Puget Sound Machinery Depot, 318 1st av, So Seattle, Wash.
Row & Davis Engineers Inc., 90 West, New York *See adv index at end of book*

## 4199—Ejectors (Bronze Bleach)

Perkins B. F. & Son, Holyoke, Mass.

## Ejectors, Jet Pumps or Syphons

See Injectors & Ejectors, Boiler

## Ejectors (Sewage, Automatic)

See Sewage Ejectors

## 4200—Ejectors (Steam, Acid Proof)

Duriron Casting Co. ("Duriron"), Dayton, O.

## Elaterite

See Hydro Carbons

## 4200a—Elbows (Ash Ejector)

**ROW & DAVIS, ENGINEERS, INC.,** 90 West, New York
*See adv index at end of book*

## 4201— Elbows (Boiler)

Blake Specialty Co. (With Union), Rock Island, Ill
Grabler Mfg. Co. (With Union), Cleveland, O

## 4202— Elbows (Brass)

Berglas M. P. Mfg. Co., 10 Fulton, Brooklyn, N. Y.
Buckeye Iron & Brass Works (Finished), Dayton, O.
Columbus Brass Works, 538 Dublin av ("Columbus"), Columbus, O.
*See adv index at end of book*
Commonwealth Brass Works (Compression), Detroit, Mich.
Crane Co. (Est. 1855), 36 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dearborn Brass Co., Cedar Rapids, Ia.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Detroit Sanitary Supply Co. ("Clean-Sweep"), 1191 Second, Detroit, Mich.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Haines, Jones & Carbury Co., 1136 Ridge av., Phila., Pa.
Haydenville Co., Haydenville, Mass.
Kellogg-Mackay Co., 419 W 18th, Chicago, Ill.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Larkin J. K. & Co. (Iron Pipe, etc.), 34 Reade, New York.
*See adv index at end of book*
**LUNKENHEIMER CO.** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O *See adv index at end of book*
McCambridge Co., 315 N 20th, Phila, Pa.
McNab & Harlin Mfg. Co., 55 John, New York
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
Perkes Chas. (Est. of), 627 Arch, Philadelphia, Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis
Sanitary Co. of Amer., Linfield, Pa.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.
Whitlock Coil Pipe Co., Hartford, Conn.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.
Woodward-Wanger Co., 1106 Spring Garden, Phila., Pa.

## 4203—Elbows (Cast or Malleable)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Central Foundry Co. (Cast), 90 West, New York
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Franklin Pipe & Foundry Co., 2428 S Paulina, Chicago, Ill.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Kellogg-Mackay Co., 419 W 18th, Chicago, Ill.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Lynchburg Fdry Co., Lynchburg, Va.
Malleable Iron Fittings Co. ("M. I. F. Co.," Malleable), Branford, Conn.
Messinger Mfg. Co., Tatamy, Pa.
Millar Chas. & Sons Co., Utica, N. Y.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Walworth Mfg. Co., Boston, Mass.
Wolff Mfg. Co., 255 Hoyne av, Chicago, Ill.

## 4204— Elbows (Closet)

American Pin Co. ("Ampinco"), Waterbury, Conn.
American Sanitary Mfg. Co. ("American"), Abingdon, Ill.
Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
Compound Injector & Specialty Co. ("Dehn's," "Acme"), 119 N Laramie av, Chicago, Ill.
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Fleck Bros. Co., 44 N 5th, Phila, Pa.
Franklin Pipe & Foundry Co., 2438 S Paulina, Chicago, Ill.
Frost Mfg. Co., Kenosha, Wis.
Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.
*See adv index at end of book*
Ideal Supply Co., Somerville, Mass.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Wolff Mfg. Co., 255 Hoyne av, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.

## Elbows (Conductor Pipe)

**See Elbows & Shoes Conductor Pipe**

## 4205— *Elbows (Conduit)

**AMERICAN TUBE & PIPE BENDING CO. (THE),** Cuyahoga & Mahoning avs, Cleveland, O. *See adv index at end of book*

## Elbows (Furnace)

See Furnace Pipe & Fittings

## 4206—Elbows (Plumbers' Rubber)

Canfield H. O. Co. ("1901"), Bridgeport, Conn.
Canfield Rubber Co. ("Redtex," "Blackrock"), Bridgeport, Conn.
Empire Tire & Rubber Corp., Trenton, N. J.
Glauber Brass Mfg. Co. ("Cut-Me-Off" Rubber Closet), 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Goodrich B. F. Co., Akron, O.
Home Rubber Co., Trenton, N. J.
Norwalk Mfg. Co., E Norwalk, Conn.
Pennsylvania Rubber Co., Jeannette, Pa.

## Elbows (Stove Pipe)

See Stove Pipe & Elbow Mfrs.

## 4207—Elbows (Street or Service)

Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Exeter Brass Works, Exeter, N. H.
Flagg Stanley G. & Co., Morris bldg, Phila., Pa.
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Malleable Iron Fittings Co. ("M I F Co."), Branford, Conn.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.

## 4208— Elbows (Union)

**ACHESON MFG. CO.,** Rankin, Pa.
*See adv index at end of book*
Bard Union Co., Norwich, Conn.
Belknap Mfg. Co., Bridgeport, Conn.
Capitol Brass Works, 596 Franklin, Detroit, Mich.
Crane Co. (Est. 1855), (Malleable, etc.), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dart E. M. Mfg. Co. ("Dart"), 134 Thurber av, Providence, R. I.
*See adv index at end of book*
Exeter Brass Works, Exeter, N. H.
Flagg Stanley G. & Co. (Malleable Iron), Morris bldg, Phila., Pa.
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kellogg-Mackay Co., 419 W 18th, Chicago, Ill.
Kelly & Jones Co. (Malleable Iron, etc.), 135 Water, Pittsburgh, Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Malleable Iron Fittings Co. ("M I F Co."), Branford, Conn.
Milwaukee Valve Co. (Brass), 139 Burrell, Milwaukee, Wis.
Pittsburgh Valve & Fittings Co. ("Pittsburg"), Frick bldg, Pittsburgh, Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Walworth Mfg. Co., Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.
Wolff Mfg. Co., 255 Hoyne av, Chicago, Ill.

## 4209—Elbows & Shoes (Conductor Pipe)

Berger Mfg. Co., Canton, O.
Camden Elbow Co., Camden, N. J.
Canton Art Metal Co., Canton, O.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.

ELBOWS & SHOES (CONDUCTOR PIPE) —continued
Dieckmann Ferdinand Co., 1182 Harrison av, Cincinnati, O.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
**EDWARD MFG. CO.** (Corrugated, etc.), 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Friedly-Voshardt Co. (Galvanized & Copper), 733 S Halsted, Chicago, Ill.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Hussey C. G. & Co. (Copper Only), 2850 2nd av, Pittsburgh, Pa.
Klauer Mfg. Co., Dubuque, Ia.
Lamb & Ritchie Co. (Corrugated, etc.), Cambridge, Mass.
Lupton's Davids' Sons Co. ("Lupton"), E Allegheny av & Tulip, Phila., Pa.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Messenger & Parks Mfg. Co., Aurora, Ill.
Meurer Geo. C. Co., 22 Clay av, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Newark Steel & Iron Works, 12 Mercer, Newark, N. J.
New England Steel Roofing Co. (Corrugated, etc), Worcester, Mass.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Niles Iron & Steel Roofing Co., Niles, O.
Ohio Corrugating Co., Warren, O.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Robertson Bros. Mfg. Co., 5401 S Western av, Chicago, Ill.
*See adv index at end of book*
Scott Roofing & Mfg. Co. (Corrugated, etc), 408 Culvert, Cincinnati, Ohio
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Tiffin Art Metal Co., 20 Broad, Tiffin, Ohio
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 4210—Election Booths (Steel or Wood)

Van Dorn Iron Works Co. (Steel only), 2700 E. 79th, Cleveland, O.

## 4211—Electric Blasting Apparatus

See also Blasting Fuses, Caps, etc
Rendrock Powder Co., 106 Wall, New York

## Electric Car Lighting Apparatus

See Car Lighting Apparatus

## 4212—Electric Heating & Ironing Outfits (Shoe Factory)

Boston Last Co. ("Peerless"), 44 Binford, Boston, Mass.

## Electric Light Fixtures

See Electric & Gas Light Fixture Mfrs.

## 4213—Electric Light Plants (Portable or Stationary)

Acme Road Mach. Co., Frankfort, N. Y.
Acorn Elect. Mfg. Co., Minneapolis, Minn.
Alamo Farm Light Co., Hillsdale, Mich.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Battery Co., 1132 Fulton, Chicago, Ill.
American Gas Mach. Co., Albert Lea, Minn.
Andrae Julius & Sons Co., 362 B'way, Milwaukee, Wis.
Armstrong Mfg. Co., Waterloo, Ia.
Ashbrook Elec. Co., 411 Ravenswood av, Chicago, Ill.
Atlas Elec. Storage Battery Co., Greenville, Mich.
Automatic Light Co., Ludington, Mich.
Barber James-Dwinnell Elec. & Mfg. Co., Kansas City, Mo.
Brushlite Co., 255 Greenwich, New York
Bruston Elec. Ltg. & Power Co.. (Imp), 101 Park av, New York
Carlisle & Finch Co., 229 E. Clifton av, Cincinnati, O.
Central Elec. Co., 320 S 5th av, Chicago, Ill.
Commercial Elec. Supply Co., B'way & Spruce, St. Louis, Mo.
Consolidated Utilities Corp., 730 S. Michigan av, Chicago, Ill.
Cushman Motor Wks., Lincoln, Neb.
Dayton Electric Mfg. Co. (For Home, Farm or Factory), Dayton, Ohio
Dealers Electric Light Co. ("Perfection" Power Direct Connected & "Jupiter" Belt Driven), 500 E 40th, Chicago, Ill.
Delco Light Co. ("Delco-Light"), Dayton, Ohio
Edison Storage Battery Co., Orange, N. J.
Electrical Testing Co., Peoria, Ill.
Eli Bridge Co. (Portable), Roodhouse, Ill.
Engberg's Elec. & Mechanical Wks., St. Joseph, Mich.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fay & Bowen Engine Co., Geneva, N. Y.
Friday Mach. & Supply Co., Sigourney, Ia.
Frost Engineering Co., Evansville, Wis.
Fuller & Johnson Mfg. Co., Madison, Wis.
Gasoline Engine Equipment Co., 347 Madison av, New York
Gas Engine & Power Co., Morris Heights, New York
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
General Gas Electric Co., Hanover, Pa.
Globe Electric Co., 195 B'way, Milwaukee, Wis.
Gray Elec. Co., Springfield, O.
Gray Motor Co., Ford bldg., Detroit, Mich.
Hur Engine Co., Portsmouth, O.
Henricks, Magneto & Elec. Co., Indianapolis, Ind.
Jones L. B. Co., Kansas City, Mo.
Korsmeyer Co., Lincoln, Neb.
Kewanee Private Utilities Co., Kewanee, Ill.
Lalley Electric Lighting Co., 709 Bellevue, Detroit, Mich.
Langstadt & Meyer Co., Appleton, Wis.
Lauson-Lawton Co., DePere, Wis.
Lebby Engrg. Co., Charleston, S. C.
Main Electric Co. ("Main Light"), Cleveland, O.
Marron Mfg. Co., Rock Island, Ill.
Matthews Engineering Co., Sandusky, O.
Matthews Engineering Co. (For Homes, etc.), Sandusky, O.
Mayhew Co., 867 31st, Milwaukee, Wis.
Merrell Co., Toledo, O.
Moon Mfg. Co. (Portable; also Marine), 122 N Jefferson, Chicago, Ill.
Nichols & Wright Motor Co., 28 Parkridge av, Buffalo, N. Y.
Park C. W. (Portable), Leavenworth, Kans.
Parker Chas. H. & Son, Denver, Colo.
Perfection Storage Battery Co. ("Perfection," "Jupiteo"), 500 E 40th, Chicago, Ill.
Regal Gasoline Engine Co., Coldwater, Mich.
Remington Oil Engine Co., 30 Church, New York
Richardson Eng. & Mfg. Co., Hartford, Conn.
Roberts-Hamilton Co., 413 S Fourth, Minneapolis, Minn.
Russel Co. E. L., 708 State Life, Indianapolis, Ind.
Schug Elec'l Mfg. Co., 252 E. Larned, Detroit, Mich.
Silvey Elect. Co., Dayton, O.
Sturtevant B. F. Co. (Gasoline Elect.), 16 Damon, Hyde Park, Mass.
Suburban Lighting Co., Toledo, O.
S. V. M. Sales Corp., 1765 B'way, New York
Swartz Elec. Co., Indianapolis, Ind.
Unilectric Corp., 235 Mont Elliott, Detroit, Mich.
United Engine Co., Lansing, Mich.
Universal Battery Co., 3410 S La Salle, Chicago, Ill.
Universal Motor Car Co., Oshkosh, Wis.
Utility Battery Co., 123 W Madison, Chicago, Ill.
Warner Lamp Co., Davenport, Ia.
Western Elec. Co., 463 West, New York
Western Utilities Co., 204 Grand av, Milwaukee, Wis.
Wisconsin Fdry. & Mach. Co., Madison, Wis.

## Electric Light Poles

See Poles, Iron & Steel, Flag & Street; also Ties, Poles & Posts

## 4213a—Electric Lighting Fixtures (Industrial)

See also Elec. & Gas Light Fixtures
Benjamin Elec. Mfg. Co., 806 W Washington blvd, Chicago, Ill.
*See adv index at end of book*

Henricks Magneto & Electric Co., Indianapolis, Ind.
Post Glover Electric Co., 308 W. 4th, Cleveland, O.

## 4214—*Electric Lighting Plants for Yachts

Fay & Bowen Engine Co., Geneva, N. Y.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

## 4215— Electric Lighting Sets

American Blower Co., 1400 Russell, Detroit, Mich.
Edison Elec. Illuminating Co. of Brooklyn, 360 Pearl, Brooklyn, N. Y.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Ideal Electric & Mfg. Co., Mansfield, O.
Imperial Electric Co., Akron, O.
**WESTINGHOUSE ELECTRIC & MFG. Co.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 4216—Electric Lighting Systems (Auto)

Brown John W. Mfg. Co., Columbus, O.
Connecticut Telephone & Electric Co., Meriden, Conn.
Cushman Motor Works, Lincoln, Neb.
Dyneto Electric Corp., Syracuse, N. Y.
Edison Elec. Illuminating Co. of Brooklyn, 360 Pearl, Brooklyn, N. Y.
Electric Auto-Lite Co. ("Auto Lite"), Toledo, O.
Gray Motor Co., Det. Tenn. R.R. & Niack. Detroit, Mich.
Hoosier Storage Battery Co., Evansville, Ind.
Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
United States Light & Heat Corp. ("U S L"), Niagara Falls, N. Y.

## 4217— Electric Novelties

Electric Appliance Co. ("Morse" High Grade Electric Belts, Electric Insoles, Inhalers, etc), Burlington, Kans.
Elektra Toy & Novelty Co., 400 Lafayette, New York
Interstate Electric Novelty Co., 104 S 4th, Brooklyn, N. Y.
Ohio Electric & Controller Co., 5900 Maurice, Cleveland, O.
Standard Electric Novelty Co., 730 W. Randolph, Chicago, Ill.
Swedish-American Tel. Mfg. Co., 5235 Ravenswood av, Chicago, Ill.
Union Battery Co. (Miniature), Belleville, N. J.

## 4218-9—Electric Protective Devices

**BUTLER-HAMMER MFG. CO.**, 12 & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Johns Manville H. W. Co., Madison av & 41st, New York
Johns-Pratt Co., The ("Noark" Fuses & Accessories), Hartford, Conn.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

**On these pages are shown products representing some of the many different lines built by the General Electric Company. Throughout this index references to G-E products will be found which include practically every appliance used in the generation, transmission, distribution and utilization of electrical energy.**

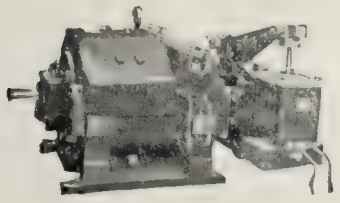
### AIR BRAKE EQUIPMENTS

Straight air, also straight air with emergency feature, variable release and combined straight and automatic—equipments for all classes of electric railway service. Bulletins 44555, 44564 and 44565.

### AIR CIRCUIT BREAKERS

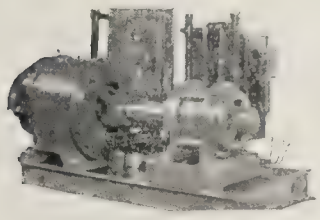
Made in sizes from 1 to 20,000 amperes; up to 650 volts A-C. and 3600 volts D-C. Motor, float, solenoid or manually operated.

### ARC FURNACE EQUIPMENT



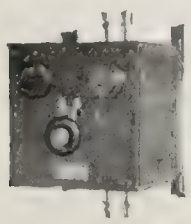
Electrical arc furnace equipment made by the General Electric Company includes tilting and electrode motors, automatic electrode regulator panels, motor operated switches, voltage regulators, special transformers and reactances, etc. Bulletin 48710A

### ARC WELDING SETS



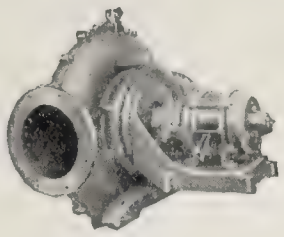
Both A-C. and D-C. arc welding equipments are made. Constant potential generator can be direct-connected to D-C. or A-C. motor, or gas, oil or steam engine. Automatic welder developed to operate from the D-C. generators. Bulletin 48932A and Booklet B3561.

### BATTERY CHARGERS



Tungar Battery Chargers, for operation from A-C., can be furnished for garage or home use. They are simple, light in weight and self starting. Made in four sizes, 7.5 to 75 volts. Booklets B3487, B-3529 and B-3532.

### CENTRIFUGAL BLOWERS



Blowers are induction motor or steam turbine driven. Standard single stage up to 10,200 cu. ft. per min. capacity. Large multi-stage up to 55,000 cu. ft. per min. Bulletins 48601 and 48609. Also small multi-stage sets—Bulletin 42801.

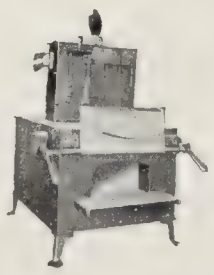
### CONTROL DEVICES

All auxiliary equipment for control of motors—starting rheostats, speed regulators, controllers, self starters, compensators, solenoid brakes, safety switches and accessories for remote control. Bulletins and information available on request.

### ELECTRIC FANS

G-E standard alternating and direct-current fans are made oscillating or non-oscillating in 9-in., 12-in., and 16-in. sizes. A-C. fans made for 110 or 220 volts, 25 to 60 cycles. Catalogue B3553.

### ELECTRIC FURNACES

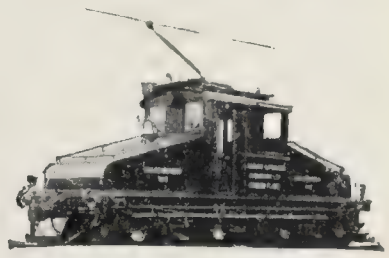


G-E electric furnaces are used for melting non-ferrous metals and alloys and treating carbon steel, experimental purposes, etc. Electric heating units developed for heat treating furnaces for temperatures up to 1800 deg. F. Heat treating problems should be referred to the Industrial Heating Specialists in the nearest G-E office.

### ELECTRIC GLUE POTS

G-E electric glue pots are being successfully used in wood shops, binderies, etc. Water jacketed type for quick heating on intermittent service. Jacketless type for continuous duty. Furnished with connection plug and cord for attaching to lamp socket. Bulletin 69100.

### ELECTRIC LOCOMOTIVES



Locomotives for heavy main line freight and passenger service, switching duty, and mine and industrial haulage. Storage battery locomotives can be furnished to operate also from a trolley if desired.

### ELECTRICALLY HEATED OVENS

Electrically heated baking and drying ovens are efficient, clean and easy to operate and reduce fire hazard. G-E electric oven heaters are made for wall or floor mounting. Hand or automatic control panels for D-C. or A-C., three phase or single phase. Bulletins 48021A and 48709.

### FLOODLIGHTING PROJECTORS

Are successfully used for lighting arsenals, building fronts, docks, freight handling, factory exteriors, quarries, railroad yards, men on patrol duty, etc. Bulletin 43850B.

### FLOW METERS

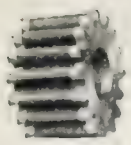
G-E flow meters measure accurately the flow of steam, water, air, gas or oil. Made indicating, recording and integrating; all three types are also combined in one meter. Bulletin 46501C.

### FUSES

N. E. C. S. fuses are recommended for maximum protection under all operating conditions. G-E Renewable Enclosed Fuses are desirable on circuits with frequent blowouts. Only material of the highest grade is used in their manufacture, and the completed product is subjected to rigid tests and inspection. Send for G-E Specialties Catalogue Y-1270.

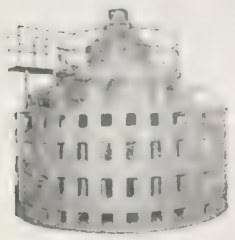
## GENERAL ELECTRIC COMPANY, Schenectady, N. Y.

## GEARS AND PINIONS



Because of their noiseless operation, long life and high tooth strength, Fabroil gears are applicable to automobiles, machine tools, lathes, planers, traveling cranes, and other heavy machinery. Bulletin 48703A and 48711. Also steel gears for railway service. Bulletin 44419.

## GENERATORS

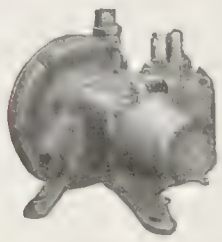


Belt-driven generators in capacities from a fraction of a horse power to 300 kw., standard voltages. Bulletin 40400B. Water-wheel-driven units range from 37½ kv-a. to 32,500 kv-a. G E water wheel generators totalling more than 3,000,000 kv-a. are in successful operation. Bulletin 40600.

## HEADLIGHTS

Electric headlights can be furnished for electric railways, both traction service and mining locomotives, and also for steam roads. Either arc or incandescent types. Bulletins A4061 and 43800.

## HEADLIGHT GENERATOR SETS



A 500-watt Curtis steam turbine generator set for steam locomotive headlight service. Used also for lighting steam shovels, derricks, wrecking cranes, oil well drilling outfits, launches and tugboats. Made for two voltages and for operation on different boiler pressures depending on class of service. Bulletin 42014A.

## INSULATORS

Bushings and other forms for use in all distributing apparatus and transmission lines; insulators for house wiring; also special insulating materials—paper, cloth and tape—for repair and line work.

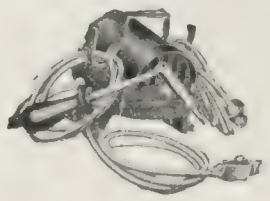
## LABORATORY PRODUCTS

Various devices and substances have been developed in the interest of science and industry by the Research Laboratories of the General Electric Company. These are offered for sale as they may prove to be of value to investigators. For further information, write our Schenectady Office, Supply Dept.

## LAMPS

The General Electric Company manufactures a complete line of incandescent and arc lamps which meet the needs of street, industrial, store and home lighting. Special lamps to withstand vibration and for headlights and decorative uses.

## LEAD BURNERS

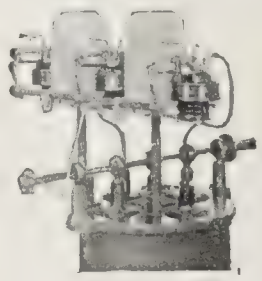


The Pyrotip Electric Burner facilitates storage battery repairs, removing connections, renewing posts, etc., also for almost any form of soldering work especially in out-of-the-way places. Operates from the ordinary 110-volt A-C. circuit. A 10-ft. cord with plug is provided for connection to lamp socket. Booklet B3549.

## LEVER SWITCHES

All G-E lever switches meet the requirements of the National Board of Fire Underwriters. Made in capacities of 30 to 10,000 amps. and up to 650 volts. Single or double throw, 1 to 4 poles, spade handle on larger sizes.

## LIGHTNING ARRESTERS

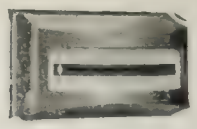


Arresters and choke coils for protection of all kinds of service: Aluminum for large A-C. Stations, magnetic blowout and D-C. Aluminum for railways, graded shunt resistance and compression chamber multigap, vacuum tube for signal circuits and horn gap. Bulletins 45600A to 45603A.

## LIGHTING FIXTURES

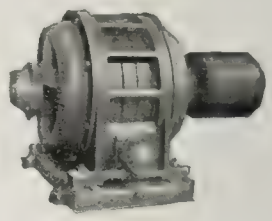
Novalux units are designed for use with the MAZDA lamp. The pendent type is particularly suited for illumination of streets, large interiors and exteriors. Ornamental units are made for all standard lighting units and all candle-powers.

## METERS AND INSTRUMENTS



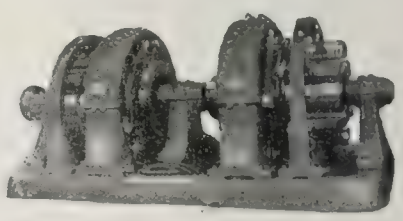
A complete line of indicating and recording instruments. Switchboard meters, round and horizontal edgewise pattern, frequency, power-factor and synchronism indicators, etc. Portable voltmeters, ammeters and wattmeters. Bulletins available on different types.

## MOTORS



The General Electric Company builds standard motors ranging in sizes from 1/200 to 6000 h.p., also special types for special applications. Complete control equipment can be furnished with motors for any duty. When requesting information state service required. Bulletins available.

## MOTOR GENERATOR SETS



For all classes of service. Sets with D-C., A-C. or both A-C. and D-C. machines, including battery charging, balancer, booster and electrolytic sets, frequency converters and railway, lighting and exciter sets. Bulletin 42552A.

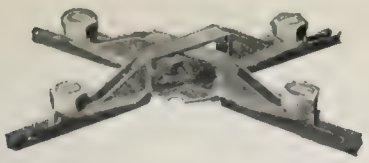
## OIL CIRCUIT BREAKERS

The General Electric Company has on the market complete lines of oil circuit breakers to meet a great variety of service conditions. They are liberally designed and strong in construction. For potentials up to 155,000 volts and above, and for currents up to 5000 amperes. Bulletins available on different types.

## OUTDOOR SUBSTATIONS

A useful adjunct to the operation of transmission and distribution systems. Used even in severe climates. Eliminates housing expenditure and may be operated by persons unskilled in the use of electricity. Bulletin 47706A.

## RAILWAY LINE MATERIAL



A complete line of devices for overhead trolley systems and track return, including pole brackets, suspensions and ears of many types, strain and feeder insulators, splicing sleeves, trolley frogs and crossings, section switches and insulators, turn buckles, rail bonds, bonding tools, etc. Sherardizing is the standard finish. Bulletin 44004A. For industrial railways, Bulletin 44005A.

## RECTIFIERS

Series mercury arc rectifier sets for operation of series luminous arc lamps. Also mercury arc rectifiers for home or public garage battery charging and for motion picture machine arc lamps. Furnished for single and polyphase circuits of standard voltages. Bulletins 43900, 43950.

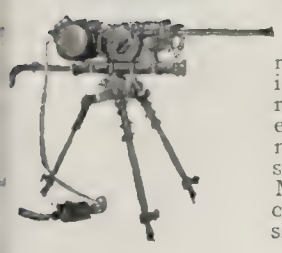
## RHEOSTATS

Grid, ribbon and resistance tube types. Resistor units for industrial heating equipment and special designs of rheostats for motor control.

## RIVET HEATERS

The G-E Electric Rivet Heater is efficient, portable and self-contained. It eliminates fuel waste, smoke and gases—disadvantages of the old methods of heating. Used with any commercial A-C. voltage or frequency. Bulletin 69701.

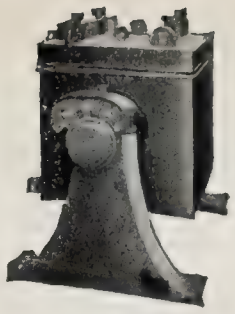
## ROCK DRILLS



Fort Wayne electric rock drills for tunneling, mining and quarrying. Operated by enclosed splash proof motor. Power consumption 1½ to 2 h.p. Mounted on tripod, column, gadder post, shaft or quarry bar.

## SEARCHLIGHTS

Searchlights for marine and industrial uses are made in two types: 1000-watt, 18-inch incandescent lamp and the arc lamp type made in 9-in. to 60-in. sizes. Arranged for pilot house, hand and electrical control. Bulletin 43856A.



## SHERARDIZING MACHINES

Electric sherardizing—heating in the presence of zinc—renders metal non-corrosive. Send for Bulletin 48926 for information regarding this process.

## SIGNAL ACCESSORIES

For railway signal work the General Electric Company makes vacuum tube lightning arresters, enameled resistor units, battery charging apparatus, and turbine generator sets for locomotive headlights and car lighting.

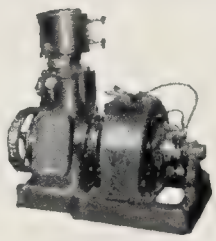
## SOLDERING IRONS

Irons made in various sizes. Booklet B3514. For moderate and heavy duty work using soldering copper the soldering iron furnace is desirable. Made for 110 and 220 volts. Bulletin 69702.

## STATIC CONDENSERS

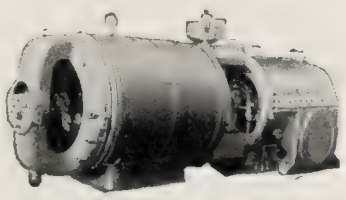
Static condensers for improving power factor at distributing points, are especially advantageous for 500 kv-a. and below. They have low losses and require practically no attendance. Standardized for 40 to 125 cycles and 220 to 2300 volts. Bulletin 49714B.

## STEAM ENGINE GENERATING SETS



Designed to meet the severe conditions of marine work. Used also for small power plants and for lighting construction operations requiring up to 60 kw. Light, compact and durable. Bulletin 42300.

## STEAM TURBINES



The Curtis steam turbine, as manufactured by the General Electric Company, gives a low cost of operation and reliable service. Built in sizes from 500 watts upward. Bulletins 42201A and 42010.

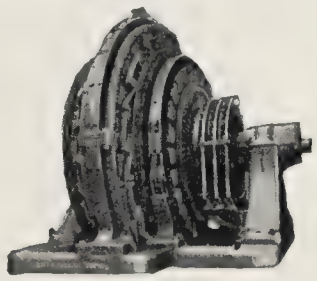
## WIRING DEVICES

A complete line of switches, plugs, receptacles, fuses and cutouts for all types of wiring installations. Send for G-E Specialties Catalogue Y1270.

## SWITCHBOARDS

Switchboards are offered for all systems of electrical distribution, battery charging, etc. "Safety First" truck and swing out type panels have been developed to provide safety to life, reduce fire risk and give greater continuity of service. Standard Unit Panels are designed for assembly in different combinations to form a complete board. Bulletin 47001.

## SYNCHRONOUS CONVERTERS



G-E synchronous converters for rectifying alternating current are used extensively by railways, electric light and power plants, large industrial projects and electro-chemical operations. Built up to 5300 kw. continuous capacity or larger sizes if desired. Bulletin 42500.

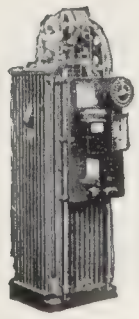
## TRANSFORMERS

G-E transformers of many thousand kv-a. capacity are now in successful service. Special transformers are made for bell ringing, sign lighting, telephone insulating, X-ray apparatus, all-nite-lites, toy operation, etc. Also constant current transformers for street lighting—station type and pole type.

## VENTILATING FANS

Exhaust fan outfits, in 12½-in. to 48-in. sizes with A-C. or D-C. motors. Well adapted for ventilating shops, or office buildings and where it is desired to remove dust or smoke. Bulletin 41801.

## VOLTAGE REGULATORS



Generator voltage regulators, A-C. and D-C., designed for panel, bracket and pedestal mounting. Feeder voltage regulators hand or motor controlled, for standard single phase or polyphase circuits, indoor and outdoor service and pole mounting. Bulletin 45402.

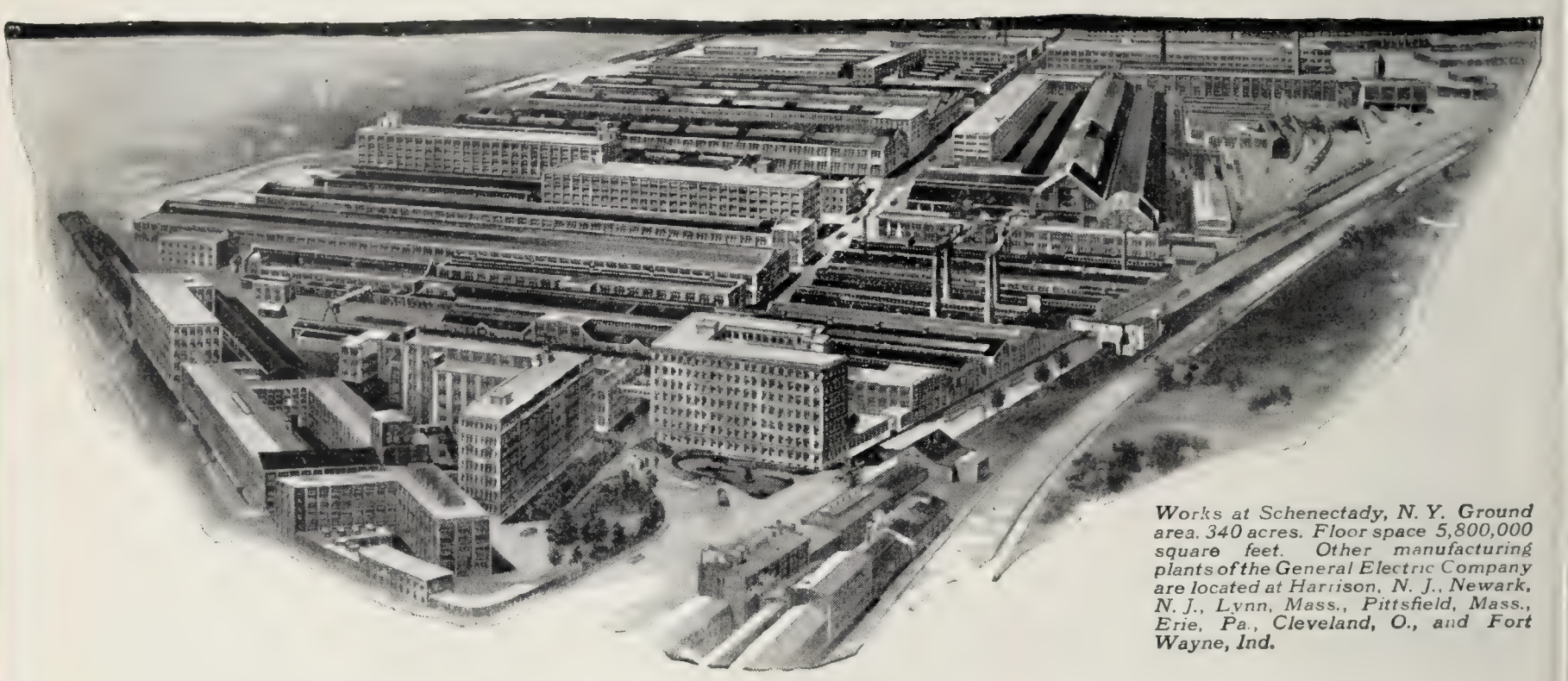
## WIRES AND CABLES

G-E wires and cables are submitted to a thorough pressure and insulation test before shipment. Made with protection for marine, mine, and every service. A standard line of cable connecting devices is also manufactured. Bulletin 49302.

# GENERAL ELECTRIC COMPANY, Schenectady, N. Y.

# *Where to Get G-E Service—*

***Quick service is best obtained from the nearest G-E sales office, distributing jobber, or foreign representative***



*Works at Schenectady, N. Y. Ground area. 340 acres. Floor space 5,800,000 square feet. Other manufacturing plants of the General Electric Company are located at Harrison, N. J., Newark, N. J., Lynn, Mass., Pittsfield, Mass., Erie, Pa., Cleveland, O., and Fort Wayne, Ind.*

## OFFICES AND DISTRIBUTORS IN THE UNITED STATES

| G-E Sales Office | G-E Distributing Jobber |
|---|---|
| Alabama, Birmingham | Matthews Elec. Supply Co. |
| Arkansas, Little Rock | |
| California, Los Angeles† | Pacific States Electric Co. |
| California, Oakland‡ | Pacific States Electric Co. |
| California, San Francisco§† | Pacific States Electric Co. |
| Colorado, Denver† | The Hendrie & Bolthoff Mfg. & Sup. Co. |
| Connecticut, Hartford | |
| Connecticut, New Haven | |
| Connecticut, Waterbury‡ | New England Eng. Co. |
| District of Columbia, Washington | National Elec'l Supply Co. |
| Florida, Jacksonville | Florida Elec. Supply Co. |
| Florida, Tampa‡ | Florida Elec. Supply Co. |
| Georgia, Atlanta§† | Carter Electric Company |
| Georgia, Savannah‡ | Carter Electric Company |
| Illinois, Chicago§† | Central Electric Company. Commonwealth Edison Co |
| Indiana, Fort Wayne | |
| Indiana, Indianapolis | Indianapolis Elec. Supply Co. |
| Indiana, South Bend‡ | South Bend Electric Co. |
| Iowa, Des Moines | Mid-West Electric Co. |
| Kentucky, Louisville | Belknap Hardware & Manufacturing Co., Inc. |
| Louisiana, New Orleans† | Gulf States Electric Co., Inc. |
| Maryland, Baltimore | Southern Electric Co. |
| Massachusetts, Boston† | Pettingell-Andrews Co. |
| Massachusetts, Springfield | |
| Massachusetts, Worcester | |
| Michigan, Detroit | Frank C. Teal Company |
| Michigan, Grand Rapids | |
| Minnesota, Duluth | Northwestern Electric Equipment Company |
| Minnesota, Minneapolis† | Peerless Electric Company |
| Minnesota, St. Paul‡ | Northwestern Elec. Equipment Co. |
| Missouri, Joplin† | |
| Missouri, Kansas City† | The B-R Electric Co. |
| Missouri, St. Louis† | Wesco Supply Company. |
| Montana, Butte† | Butte Electric Supply Co. |
| Nebraska, Omaha | Mid-West Electric Co. |
| New Jersey, Newark‡ | Tri-City Electric Co., Inc. |
| New York, Albany‡ | Havens Electric Co., Inc. |
| New York, Buffalo | Robertson-Cataract Elec. Co. |
| New York, Elmira | |
| New York City§‡ | E. B. Latham & Company<br>Royal Eastern Elec'l Sup. Co.<br>Sibley-Pitman Elec. Corp. |
| New York, Niagara Falls | |
| New York, Rochester | Wheeler-Green Elec'l Sup. Co. |
| New York, Schenectady | |
| New York, Syracuse | Mohawk Electrical Sup. Co. |
| North Carolina, Charlotte | |
| Ohio, Cincinnati† | The F. D. Lawrence Electric Co. |
| Ohio, Cleveland | Republic Electric Co. |
| Ohio, Columbus | The Erner & Hopkins Co. |
| Ohio, Dayton | The Wm. Hall Electric Co. |
| Ohio, Toledo | W. G. Nagel Electric Co. |
| Ohio, Youngstown | |
| Oklahoma, Oklahoma City† | Southwest G-E Co. |
| Oregon, Portland† | Pacific States Electric Co. |
| Pennsylvania, Erie | |
| Pennsylvania, Philadelphia§† | Philadelphia Electric Company Supply Department |
| Pennsylvania, Pittsburgh† | Union Electric Company |
| Rhode Island, Providence | |
| South Carolina, Columbia‡ | Perry-Mann Electric Co., Inc. |
| Tennessee, Chattanooga | James Supply Company |
| Tennessee, Knoxville | |
| Tennessee, Memphis | Electric Supply Company |
| Tennessee, Nashville | |
| Texas, Dallas† | Southwest G-E Co. |
| Texas, El Paso† | Southwest G-E Co. |
| Texas, Houston† | Southwest G-E Co. |
| Utah, Salt Lake City† | Capital Electric Company |
| Virgina, Richmond | Southern Electric Co. |
| Washington, Seattle† | Pacific States Electric Co. |
| Washington, Spokane | |
| Washington, Tacoma | |
| West Virginia, Charleston | |
| Wisconsin, Milwaukee | |

For Hawaiian business address Catton, Neill & Company, Ltd. Honolulu.

‡No G-E Office  †Warehouse  §Service Shop

95-275

FOR BUSINESS OUTSIDE OF THE UNITED STATES ADDRESS:

INTERNATIONAL GENERAL ELECTRIC COMPANY, INC.

120 BROADWAY, NEW YORK, N. Y.  SCHENECTADY, N. Y.  83 CANNON ST., LONDON

# GENERAL ELECTRIC COMPANY, SCHENECTADY, N. Y.

## Electric Railway Contractors

See Contractors, Building & General

## 4220—Electric & Gas Light Fixture Mfrs.

### ALABAMA.

BIRMINGHAM—Mathews Electric Supply Co. (Jobbers)

### ARIZONA.

PHOENIX—Thoma E & Co.

### CALIFORNIA.

ALAMEDA—Bechtle Otto.
LOS ANGELES—Beacon Light Co.
California Fixture Co., 1422 So Main
Forve-Pettebone Co.
Green H. L.
McCurdy-Miller Co., Van Nuys bldg
Meyberg Co.
Mission Fixture Co., 828 S B'way
Parmelee Z. L. Co., 217 E 17th
Post C. E. & Co., 399 W av, 26
Western Fixture Co., 737 W 16th
SAN FRANCISCO—Brass & Bronze Lighting Fixture Co.
Burtchaell John W., 357 Ellis
Coefield Mfg. Co., 51 Shipley
Day Thomas Co., 725 Mission
Gas Consumers Ass'n., 467 O'Farrell,
Hufschmidt L. A. Mfg. Co., 773 Mission
Ickelheimer Bros. Co., 439 Sutter
Incandescent Supply Co., 726 Mission
Roberts Mfg. Co., 663 Mission
United Lighting Fixture Co., 1149 Mission
Wizard Electric Lamp Co. ("D'Light"), 147 New Montgomery
SAN JOSE—Baker T. E. & Sons Co.

### COLORADO.

DENVER—Sechrist Albert Mfg. Co.

### CONNECTICUT.

MERIDEN—Bradley & Hubbard Mfg. Co.
Brenner Bros. Mfg. Co.
Miller Edw. & Co.
Parker Chas. Co.
WATERBURY—Waterbury Button Corporation (Electric Composition), 831 South Main
*See adv index at end of book*
**WATERBURY MFG. CO.**

### DISTRICT OF COLUMBIA.

WASHINGTON—Catlin, Elmer H. Co., 309 13th, N W

### ILLINOIS.

CHICAGO—Acme Chandelier & Mfg. Co., 165 N Wabash av
Alco Mfg. Co., 18 E Kenzie
American Brass & Glass Co., 790 N La Salle
Baehker F., 2531 Milwaukee av
Baggot E Co. 21 E Lake
Beardslee Chandelier Mfg. Co., 216 S Jefferson
Benjamin Electric Mfg. Co., 128 S. Sangamon,
*See adv index at end of book*
Central Chandelier Co., 1547 Fulton
Chicago General Fixture Co., 19 E Lake
Cook & Corswandt, 20 E Lake
Co-operative Electric Supply House, 314 S Canal.
Debs Chas. H. Co., 170 W Randolph
Decorators' Supply Co. (Composition), Archer av & Leo, Chicago, Ill.
Edwards Lighting Fixture Co., 20 E Lake
Englewood Chandelier Works, 628 E 63d
Everson C. G. & Co., 70 W Lake
Framburg H. A. & Co., 24 S Clinton
Garden City Chandelier Co., 552 W Jackson blvd
General Lighting Fixture Co., 28 W Lake
Harter Mfg. Co. ("Nitrolites," "Deluxlites," Indirect, "Semi-Indirect"), 521 S Clinton
Herwig Art Shade & Lamp Co. ("Ventilate" Nitrogen Lamp & Ornamental, Cast Metal Out Door Lighting), 2140 N Halsted, Chicago, Ill.
*See adv index at end of book*

**HERWIG ART SHADE & LAMP CO.**
*Manufacturers of*
Cast Metal Outdoor Lighting Fixtures; also Commercial Factory and Garage Lighting Fixtures
2140 N. Halsted St. Chicago, Ill.

Hovorka John D., 3509 W 12th
Jacobs C. B., 5241 W Chicago av
Kapsa Rudolph, 2320 S Kedzie av
Metallic Mfg. Co., 544 W 35th
Moran & Hastings Mfg. Co., 18 W Washington
Moran & Macnair, 72 W Lake
National X Ray Reflector Co., 233 W Jackson blvd
Pattison J. L. & Co., 552 W Jackson blvd
Pearlman Victor S. & Co., 533 S. Wabash av
Peerless Light Co., 663 W Washington blvd
Peters H. J. Co., 324 W Superior
South Side Chandelier Co., 5852 S Halsted
Warren Walter G. & Co., 1401 W Jackson blvd
Williamson R. & Co., 601 Washington
Wilmarth T. W. Co., 324 W Superior
Wilson & Wilk Co., 1540 Milwaukee av
Wingrane & MacNaughton Co., 117 N Wabash av
DECATUR—Farles Mfg. Co. (Adustable)
ELGIN—Elgin Brass & Electrical Mfg. Co.
PEORIA—Peoria Electric Fixture Co.
ROCK ISLAND—Franks Mfg. Co. ("Pianolite")
ST. CHARLES—Crown Electrical Mfg. Co.
St. Charles Fixture Mfg. Co.
SPRINGFIELD—Haas R. Electric & Mfg. Co. (Combination Fixtures)

### INDIANA.

BLUFFTON—Brown W. B. & Co. (Wood)
INDIANAPOLIS—Golstein Bros.
Henricks Magneto & Electric Co., 237 St. Paul
MUNCIE—Rutherford Bros. Co.
TERRE HAUTE—Terre Haute Gas Fixture Co.

### IOWA.

DES MOINES—Superior Fixture Co.
MUSCATINE—Niver Iron Works Co.

### KENTUCKY.

Wood Harry I. Co.

### MARYLAND.

BALTIMORE—Baltimore Gas Light Co., 307 W Redwood
Butler Victor K. Co., Charles & Centre
Fisher & Rohleder, 219 W Saratoga
Good & Craft, 514 N Eutaw
Hill Walter E. & Co., 203 N Liberty
Kries Michael A., 303 W Lombard
Waither Geo. W. & Co., 712 N Norwood

### MASSACHUSETTS.

BOSTON—Bigelow, Kennard & Co., 511 Washington
Cambridge Brass Co., 50 Sudbury
Cryptofil Chain Co., 140 Boylston
Finch J. H. Co., 24 Beach
Ireland Robt. D. & Co,, 278 Boylston
McKenney & Waterbury Co., 181 Franklin
New England Brass & Fixture Co., 47 Summer
Pettingell-Andrews Co. ("Execuplor," Electric), 166 Pearl
Shreve, Crump & Low Co., 147 Tremont
Tarbell E. H. Co., 15 Washington
Wheeler Reflector Co. (Electric), 156 Pearl
NEW BEDFORD—Pairpoint Corporation
SOMERVILLE—Forg Peter Mfg. Co. (Electric)
WORCESTER—White O. C. Co.

### MICHIGAN.

COLDWATER—Champion Brass Works
DETROIT—Barnes Geo. H., 79 B'way
Detroit Gas & Electric Fixture Co., 68 W Gd River av
Detroit Lighting Fixture Co., 223 Jeff av E
Miller Light & Fixture Co., 815 Gratiot av
Netting C. J. Co., 71 B'way
Walker H. L. Co., 185 Jefferson av
GRAND RAPIDS—Weatherley Co.
KALAMAZOO—Ideal Gas Light Co.
LANSING—Allen-Sparks Gas Light Co.

### MINNESOTA.

MINNEAPOLIS—Andresen Jacob Co., 314 S 4th
Minneapolis Gas Fixture Co., 814 Hennepin av
Twentieth Century Brass Works, Fifth av, S W
ST. PAUL—Minnesota Chandelier Co. 369 Jackson

### MISSOURI.

KANSAS CITY—Bailey-Reynolds Chandelier Co.
Stephens Gas Electric Chandelier Co.
ST. LOUIS—Gross Chandelier Co., 1107 Locust av
Kraushaar Brass Mfg. Co., 919 Pine
Luminous Unit Co. ('Brascolite") Jefferson & Washington av
Reflectolyte Co., 914 Pine, St. Louis, Mo.
St. Louis Brass Mfg. Co., Jefferson & Washington av

### NEBRASKA.

OMAHA—Burgess-Granden Co.

### NEW JERSEY.

BLOOMFIELD—Baylis Co.
BRIDGETON—Bridgeton Chandelier Co.
Crescent Art Metal Co.
HOBOKEN—Lutz Alois M.
JERSEY CITY—Gothberg H. & E., 139 Cator av
N. Y. & N. J. Chandelier Co., 512 Paterson Plank rd
NEWARK—Davidson Chas., 37 Rankin
Jaehling Gas Fixtures Co., 221 13th av
Penn H. M. Co., 306 Washington
Storsberg Fritz Co., 20 Atlantic
United States Gas Fixtures Co., 262 Washington
TRENTON—Trenton Gas & Elec. Fixture Mfg. Co.

### NEW YORK.

BUFFALO—Art Gas & Electric Fixture Co., 329 Elmwood av
JAMESTOWN—Ellison Brass Mfg. Co.

### NEW YORK CITY.

#### Borough of Brooklyn

BROOKLYN—Bayley & Son, 105 Vanderveer
Daru & Huffman, 18 Bergen
Findlay Robert Mfg. Co., 28 Warren, New York
Gaites, Peace & Co., 204 Willoughby
Hudson Brass Works, 16 Nassau
Luckett Frederick, 266 State
May Sylvester, 98 Schermerhorn
Nichols Gas Fixture Mfg. Co., 1100 Myrtle av
Reliance Metal Spinning & Stamping Co., Inc., 160 John
Walbroehl & Co., 3204 Jamaica av
White J. H. Mfg. Co., 111 N 3d

#### Boroughs of Manhattan and Bronx.

NEW YORK—Acme Gas & Electric Fixture Co., 132 W 14th
Albert Fixture Co., 707 3d av
Almar Mfg. Co. (Wood), 47 W 34th
Americolite Co., 101 Park av
Archer & Pancoast Co., 507 W 34th
Armor Bronze Co., 236 5th av
Artistic Chandelier & Lamp Wks., 17 Battery pl

NEW YORK CITY—continued
ELECTRIC & GAS LIGHT FIXTURE MFRS.—continued
Baeder J. L., 2849 Webster av
**Bagues Freres Co., 705 5th av**
Black & Boyd Mfg. Co., 432 E 23d
Blatt S. & Co., 49 Elizabeth
**Bradley & Hubbard Mfg. Co., 200 5th av**
**Brassart Fixture Co., 20 Warren**
**Butensky I., 342 Bowery**
Caldwell Edw. F. & Co., 38 W 15th
Cassidy Co., Inc. ("Glo-Lite"), 101 Park av
**Central Chandelier Co., 224 Centre**
Colonial Chandelier Works, 122 Centre
Columbia Gas & Electric Fixture Co., 182 Grand
Cory Chas. & Son, 290 Hudson
**Dale Lighting Fixture Co., 107 W 13th**
Eclipse Light Co., 583 B'way
**Eisenberg M. & Son, 165 Grand**
**Empire Brass Co., 329 E 26th**
Empire Lighting Fixture Co., 224 Centre
Falkenbach Mfg. Co. (Woodfibre), 159 E 54th
**Freeman Philip & Bros., 92 Bowery**
Goodfarb Chas., 219 Grand
Hasbrouck-Bergen Co., 223 E 38th
Heather R. C. Co., 19 W 36th
Home Light Co. of America (Wooden Samples for Home Use), 1955 Park av
**Ideal Gas & Electric Fixture Co., 433 B'way**
**Iden Henry (Est of), 46 University pl**
**Knickerbocker Chandelier & Electrical Supply Co., 325 W 42d**
**Leveridge Chas. W. ("L. & L." Electric Show Case), 133 Liberty**
Lightolier Co., 569 B'way, New York
**McCoy J. B. & Son, 114 W 30th**
McFaddin H. G. & Co., 38 Warren
Miller Edw. & Co., 68 Park pl
**Mitchell Vance Co., 507 W 24th**
Municipal Lighting Co., 120 E 15th
Ornamental Art Metal Works, 50 Church
Paragon Electric Co. (Jobbers), 529 E 5th
**Pellegrini A. & Co., 155 W 29th**
**Plaut L. & Co. (For the Trade Only), 432 E 23d**
**Reading Hardware Co. (Chandeliers), 50 Franklin**
**Rosenbaum & Philips, 204 W Houston**
**Shapiro & Aronson, 20 Warren**
**Silvestro C., 4149 Park av**
**Simes Co., 22 W 15th**
**Sterling Bronze Co., 16 E 40th**
Tiffany Studios, 361 Madison av
Tuck A. J., 329 E 26th
**Union Gas Fixture Co., 361 W 42d**
Wahle-Phillips Co, 101 Park av
Walsh Owen Mfg. Co., 525 W 26th
Wrought Iron & Art Glass Fixture Co., 6 Howard
Wyle J. J. & Bros., Inc. (Cut Glass Chandeliers), 25 E 27th
**(End of New York City)**
TROY—Hinsdill Electric Co. (Electric Individual for Sewing Machine Tables)
UTICA—Seneca Brass & Plating Works
Utica Brass Works

### OHIO.

CINCINNATI — Cincinnati Artistic Wrought Iron Co., 2941 Eastern av
Davidson J. W. & Co., 629 Main
National Plastic Relief Co., 330 Main
Ohio Gas & Electric Fixture Co.
Peoples Gas Fixture Co., 6th & Main
CLEVELAND—Art Metal Mfg. Co., E 61st & Curtis av
Brookins Co., 1747 Euclid av
Central Gas & Electric Fixture Mfg. Co., 805 Vincent av N E
Cleveland Chandelier & Mfg. Co., 1522 Brownell court
Collins Clarence H. Co., 4404 Euclid
Euclid Av. Electric Fixture Co., 5213 Euclid av
Kayline Fixture Co., 312 High av
Metropolitan Gas & Electric Fixture Co., 1767 E 55th
Modern Electric Co., 5317 Euclid av
Morreau Co., 1303 Oregon av N E
Ohio Gas & Elec. Fixture Mfg. Co., 2183 2d
Scott-Ullman Co., 3311 Perkins av, N E
COLUMBUS—Cussins Charles D. Co. (Dealers), 170 N 3d
Federal Mfg. Co., 168 W Long
SPRINGFIELD—Springfield Gas Fixture Co.
TOLEDO—Toledo Chandelier Co., 129 Huron
Riddle Ed. N. Co., 611 St. Clair
Willys Light Div. Electric Auto-Lite Corp. ("Willys Light")
TROY—American Fixture & Mfg. Co.
Metallic Novelty Co.
URBANA—Mohrlite Co.
VERMILION—Wakefield F. W. Brass Co.

### PENNSYLVANIA.

ALLENTOWN—Royal Chandelier Works
BRIDGEVILLE—Frederick-Elder Co.
EAST PITTSBURGH—**WESTINGHOUSE ELECTRIC & MFG. CO.** (Electric Only)
*See adv index at end of book*
PHILADELPHIA—American Gas Fixture Works, 1235 Filbert
Biddle-Gaumer Co., 3846 Lancaster av
Branagan James M., 537 W Erie
Brown F. P., 45 N 6th
Cherry Chandelier Co., 827 Spring Garden av
Colonial Mfg. Co., Alleghany & A.
Fingerhut Ed., 1206 N 4th
Frankford Gas Fixture Co., 4270 Frankford
Grell Jacob W, 812 Noble
Heller C. B., 622 Arch
Horn & Brannen Mfg. Co., 427 N Broad
Klause Jos. P., 11th & Ridge
Lloyd-Garrett Co., 15th & Locust
Novelty Gas & Elec. Fixture Co. 5th & Green
Sulzer & Co., 252 N 11th
PITTSBURGH—Pittsburgh Gas & Electric Fixture Co., 428 Penn
Pittsburgh Lamp, Brass & Glass Co. (Indirect), 130 7th
READING—Keystone Gas Fixture Works
Reading Chandelier Works
WILKES BARRE—Shepherd & Rust

### RHODE ISLAND.

PROVIDENCE—Franklin Specialty Mfg. Co. ("Anderson" Adjustable Light Holder), 710 Eddy
Law & Hawxhurst, 164 Pine
Providence Gas & Electric Fixture Co., 9 Fenner

### VIRGINIA.

NORFOLK—Building Supplies Corp.

### WISCONSIN.

MILWAUKEE—Franke H. E., 421 B'way
Grassler & Gezelschap (Gas), 214 3rd
Milwaukee Gas & Elec. Fixture Co., 1910 Fond du Lac av
Massino J. Mfg. Co., 137 Holton
Polackeck Chas. & Bro. Co., 217 3rd
WATERTOWN—Brandt-Dent Co.

## 4221—Electric & Gas Light Portables

See also Electric & Gas Light Fixture Mfrs.; also Portables Electric

Amboy Works, Perth Amboy, N. J.
Boston Brass Andiron Co. (Electric), 104 Utica, Boston, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Farber S. W. (also Showers & Domes), 147 S 5th, Brooklyn, N. Y.
Faries Mfg. Co. (Adjustable), Decatur, Ill.
Forg Peter Mfg. Co. (Electric Industrial Adjustable), Somerville, Mass.
Kraushaar Brass Mfg. Co. (Adjustable, also Newels or Portables), 919 Pine, St. Louis, Mo.
Miller Edw. & Co., Meriden, Conn.
Parker Chas. Co., Meriden, Conn.
Quaker City Brass Works, 336 N 3d, Phila., Pa.
Rubes Electric Devices, 255 Classon av, Brooklyn, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.

## 4221a— *Electric Transfers

Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 4222—Electrical Engineers & Contractors

American Radio & Research Co., 21 Park Row, New York
Androphy Electric Co., Derby, Conn.
Axtell Lewis D., Springdale, Conn.
B. & C. Electric Co., 207 Merc pl, Los Angeles, Cal.
Bay Electric Co., Oakland, Cal.
Binder Elevator & Electric Co., Birmingham, Ala.
Braun Wm. & Co., 30 Church, New York
Burkhart E. F., Palo Alto, Cal.
Cable Howard E., Darien, Conn.
Carroll Michael A., Waterbury, Conn.
Cook A. E. & Co., Meriden, Conn.
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.
Crowder H. N. Jr. Co., Easton, Pa.
Cullen Frederick M., Norwalk, Conn.
Cunningham G. F., San Diego, Cal.
Davis C. L., Whittier, Cal.
Emery Chas. W., Greenwich, Conn.
Faser Bros., San Jose, Cal.
Fisher John S., Danbury, Conn.
Folts H. C., Pasadena, Cal.
Gale Elec. Co., Bridgeport, Conn.
Golden St. Electric Co., 748 W 7th, Los Angeles, Cal.
Gonnerman A. W., 336 S Broadway, Los Angeles, Cal.
Goold & Johns, Stockton, Cal.
Guzman A. J., Rockville, Conn.
Haskel J. H., Oakland, Cal.
Hutchinson P. F., Walnut Creek, Cal.
Illinois Testing Laboratories, 430 S Green, Chicago, Ill.
Ives Raymond H., Fairfield, Conn.
Jackson Harold N., Monrovia, Cal.
Johns Engineering Co., 625 Champlain av, Cleveland, O. *See adv index at end of book*
Lapides & Keilison, New Haven, Conn.
Livingston J. & Co., Inc., Grand Central Terminal, New York
McConnell Wm. H., Monterey, Cal.
McNally W. A. & Co., Pasadena, Cal.
**Macon Jr. Co., Easton, Pa.**
Marshall Thos. F., Hollywood, Cal.
Mill & Mine Engngs., Inc., Birmingham, Ala.
Miller & Chittim, Norwalk, Conn.
Mills Harry C., Unionville, Conn.
Mitchell J. L., Oxnard, Cal.
Mongerson Wm. R., Bakersfield, Cal.
Murphy J. E., Bristol, Conn.
Ne Page-McKenny & Co., Armour bldg, Seattle, Wash.
Olsen & Morse, Norwich, Conn.
Osborn Engineering Co., 2848 Prospect av, Cleveland, O.
Patzer Arthur J., Stockton, Cal.
Peter T. A., East San Diego, Cal.
Petrillo Rocco S., New Haven, Conn.
Priest Geo. L., Oakland, Cal.
Reynolds L. W., Wallingford, Conn.
Risley G. E., Stamford, Conn.
Ritch Justus B., Greenwich, Conn.
Schaller Bros., Torrington, Conn.
Smith G. J. Jr., Milford, Conn.
Smith Raymond, Hazardville, Conn.
Sommers Frank J., San Jose, Cal.
Stevens-Fitch Co., New Haven, Conn.
Stewart Thos. A. Co., Hartford, Conn.
Thye M. P. & Co., 225 E 2nd st, Los Angeles, Cal.
**Truswell W. & Sons, 16 Cedar, New York**
**Tucker Elec. Const. Co., 114 W 30th, New York**
Wagner, Gilbert A., Stafford Spring, Conn
Ward Leland A., Naugatuck, Conn.
West Geo. W., Grass Valley, Cal.
**WESTINGHOUSE ELEC. & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*

## 4223—Electrical Parts & Fittings (Stamped)

Alpha Elect. Co. (Jobbers), 116-18 W 29th, New York
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*

## 4224—Electrically Welded Fabrics

**WICKWIRE SPENCER STEEL CORP.,** Worcester, Mass.
*See adv index at end of book*

## 4225—Electro Chemical Apparatus

**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*

## 4225a—Electroliers (Iron & Bronze)

See also Electric & Gas Light Fixtures

Tyler W. S. Co., Cleveland, O.
*See adv index at end of book*
Stevens Frederic B., Detroit, Mich.
*See adv index at end of book*

**FREDERIC B. STEVENS**
Manufacturer
*Foundry Facings and Supplies*
*Buffing Compositions and Platers' Supplies*
*Importer of Plumbago*
Corner Larned and Third Sts.
DETROIT, MICH.
All Telephones Main 2470

## 4226— Electro Plating

American Nickeloid Co. (also Buffing & Polishing), Peru, Ill.
Backus Corp. (& Polishing), Brandon, Vt.
Bastian Bros. Co., Rochester, N. Y.
Biddle-Gaumer Co., 3846 Lancaster av, Phila., Pa.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Boston Brass Co., 135 Bacon, Waltham, Mass. *See adv index at end of book*
Brand & Hermann, 247 Centre, New York
Burridge B. W., 461 Bush, San Francisco, Cal.
Cal. Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Chelsea Electro Plating & Polishing Co., 247 Centre, New York
Cincinnati Mfg. Co., Cincinnati, O.
Cleveland Plating Co., 3610 Superior, Cleveland, O.
Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Consolidated Engineering Co., Jacksonville, Fla.
Cooke Jos. S., 20 Jacob, New York
Dalton John J., 20 Jacob, New York
Detroit Shipbuilding Co. (Brass Dept), ft. Orleans, Detroit, Mich.
Fowler Lamp & Mrg. Co. (All Finishes), 59 E 24th, Chicago, Ill.
Gem Stamped Steel Co. (also Buffing, Polishing), Chelsea, Mass.
Geran J., 168 Centre, New York
Golden West Plating Wks., 131 Mission, San Francisco, Cal.
Gray Iron Fdry. Co. (of Castings), Reading, Pa.
Hague Walter E. & Son, Barker pl, Pittsburgh, Pa.
Harry Bros. Mfg. Co., 282 Woodbridge, E Detroit, Mich.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Highton Wm. & Sons Co., Nashua, N. H.
Homan & Co. (Hollow Ware), Cincinnati, Ohio
Ingraham A. S. Co., Attleboro, Mass.
Jackson Wm. H. Co., 2 W 47th, New York
Johnson Bronze Co., New Castle, Pa.
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Megquier & Jones Co., Portland, Me.
Metal Crafters, East Stroudsburg, Pa.
Meyer Louis J., 804 Walnut, Phila., Pa.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
National Mfg. & Electro Plating Co. (Nickel & Silver), 16 Calender, Providence, R. I.
New Acme Plating Co. (Gold, Silver, Nickel, Brass & Copper), 59 Page, Providence, R. I.
Newfield Silver Mfg. Co., Inc. (also Buffing & Polishing), Bridgeport, Conn.
Newell Mfg. Co. (Silver, Nickel & Brass), Ogdensburg, N. Y.
New Haven Plating & Novelty Co. (All Finishes), 31 Artezan, New Haven, Conn.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill.
*See adv index at end of book*
Nuss Mfg. Co., Harrisburg, Pa.
Pacific Brass & Hardware Mfg. Co., 1646 N Spring, Los Angeles, Cal.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Rockford Metal Specialty Co., Rockford, Ill.
Royal Polishing Works, 255 Centre, New York
St. Louis Brass Mfg. Co., Jefferson & Washington, St. Louis, Mo.
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
Sessions J. H. & Son, Bristol, Conn.
Sharpless & Watts Co., 1520 Sansom, Phila., Pa.
Sievering, Philip, 406 Broome, New York
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith & Johnson Mfg. Co., 2031 Elm, Cincinnati, O.
SPENCER'S I. S. SONS Inc., Guilford, Conn.
Standard Plating Wks., 446 N 12th, Phila., Pa.
Star Plating Works, 98 Broadway, Buffalo, N. Y.
Stecker Electric & Machine Co., 3 Dewey, Detroit, Mich.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Tillmann E., 197 Grand, New York
Totten F. E. & Sons, 97 Cliff, New York
Tuckers Plating Works, Rochester, N. Y.
Wisconsin Iron & Wire Works (All Metal Finishes), Milwaukee, Wis.

## 4227—Electro Plating (Bronze)

See also Electro Plating

Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*

## 4228—Electro-Therapeutic Apparatus

Meyer Wm. Co., 1644 Girard, Chicago, Ill.
Sanitarium Equipment Co., Battle Creek, Mich.
Ten Broeck & Huber, 214 E 23d, New York
Victor Elec. Corp., 236 S Robey, Chicago, Ill.
Waite & Bartlett Mfg. Co., 53 Jackson av, Long Island City

## 4229— Electrodes

Acheson Graphite Co. (Carbon Graphite), Niagara Falls, N. Y.
American Carbon & Battery Wks. of National Carbon Co., Inc. (Carbon), E. St. Louis, Mo.
American Platinum Works (Platinum), 231 N. J. R. R. av, Newark, N. J.
Anchor Electric Co., 557 W Jackson blvd, Chicago, Ill.
Baker & Co. (Platinum), 54 Austin, Newark, N. J.
Beckman & Linden Engng. Corp. (Carbon), Balboa bldg, San Francisco, Cal.
Bishop J. & Co. (Platinum), Malvern, Pa.
Bunnell J. H. & Co. (Galvanic, Faradic, etc), 32 Park pl, New York
Chloride of Silver Dry Cell Battery Co. (Medical), 407 N Paca, Baltimore, Md.
Eimer & Amend (Platinum), 205 3d av, New York
Electro Arc Cutting & Welding Co., 222 Halsey, Newark, N. J.
LEAVITT C. W. & CO. (Carbon), 34 Church, New York
*See adv index at end of book*
McIntosh Battery & Optical Co. ("Kanthera," "Asbestos" Pad, "Physicians"), 217 N Desplaines, Chicago, Ill.
National Carbon Co. (Carbon, Any Size Up to 24 inch Cross Section), Madison av, N W, & W 117th, Cleveland, O.
Republican Carbon Co. (Carbon & Dry Battery), Niagara Falls, N. Y.
Star Electrode Wks. of Nat'l Carbon Co., Niagara Falls, N. Y.
Victor Elec. Corp. (Galvanic, Faradic & High Frequency for Therapy), 236 S Robey, Chicago, Ill.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*

## 4230—Electrogrip (Drop Light)

Yost Electric Mfg. Co. (For Suspended Lights & Cords), Toledo, O.

## Electroliers

See Electric & Gas Light Fixture Mfrs.

## 4231—Electrolysis Prevention Apparatus

Brown Harold P., 120 Liberty, New York

## 4232— Electrolyzers

Electro Chemical Co. (Self-Circulating Type for Laundries), Dayton, O.
Electrolytic Oxy-Hydrogen Laboratories, Inc., 15 William, New York

## 4233— Electrolyte

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Central Chemical Co., 115 W Washington, Chicago, Ill.
Electrolytic Oxy-Hydrogen Laboratories, Inc., 15 William, New York
Grasselle Chemical Co., Guardian bldg, Cleveland, O
Kalbfleisch Corp, 31 Union sq, New York
Riverside Acid Works, Warren, Pa.
Western Chemical Mfg. Co., Denver, Colo.

## 4234— Electroscopes

Minerallac Electric Co., 1045 Washington bl., Chicago, Ill.

## 4235— Elevator Air Cushions

Biggen Charles P. Co., 1829 Harlan, Phila., Pa.

## 4236—Elevator Cars & Enclosures

See also Bronze, Architectural, etc; also Iron, Architectural, etc

BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Chicago Wire, Iron & Brass Wks, 2411 Belmont, Chicago, Ill.
Cincinnati Mfg. Co., Cincinnati, O.
Columbus Wire & Iron Works Co., Columbus, O.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
DAHLSTROM METALLIC DOOR CO. 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
ESTEY BROS. CO., 270 Union av, Brooklyn, N. Y. *See adv index at end of book*
Gorham Co., Arch'l Bronze (Brass & Bronze), 5th av & 36th, New York
HANKE IRON & WIRE WORKS, 800 No. Albany av, Chicago, Ill.
*See adv index at end of book*
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Howard & Morse (Enclosures), 45 Fulton, New York
Kamman Walter Mfg. Co., 3258 Spring Grove av, Cincinnati, O.
Michaels Art Bronze Co., Covington, Ky.
Perkins Mfg. Co. (Metal), University & Fairview avs, St. Paul, Minn.
*See adv index at end of book*
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.
TYLER W. S. CO., Cleveland, O.
*See adv index at end of book*
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Van Doorn Co., Quincy, Ill.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Wickwire Spencer Steel Corp. (All Metals & Finishes), Worcester, Mass.
*See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## Elevator Casings (Fireproof)

See Casings, Steel Elevator

## Elevator Door Locking Device

See Elevator Safety Locks

# ELEVATOR DOORS *and* ENCLOSURES *of* HOLLOW METAL

SINGLE SWINGING
DOUBLE SWINGING
SINGLE SLIDING

TWO SPEED
THREE SPEED
DUMB WAITER

COMBINATION SLIDE AND SWING
BI-PARTING

ELEVATOR CABS AND DUMB WAITER CARS

*Special Equipment to suit ary condition*

Our Finishes embrace Baked Enamel in Solid Colors, Stippled or Grained to match any wood

## DAHLSTROM METALLIC DOOR CO.

413 Buffalo St. Jamestown, N. Y.

*AGENCIES IN ALL PRINCIPAL CITIES*


### 4237—Elevator Door Openers & Closers

Elevator Supplies Co. ("Norton"), Hoboken, N. J.
Haughton Elevator & Machine Co., 679 Spencer, Toledo, O.
Reliance Grand Elevator Equipt Corp. ("Reliance"), 101 Madison av, New York
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Richards-Wilcox Mfg. Co., Aurora, Ill.

### 4238-9—Elevator Doors & Enclosures

**DAHLSTROM METALLIC DOOR CO.** (Hollow Metal Enclosures, Fireproof, Glazed with Wire Glass or with Solid Panels; An Ideal Equipment in Fireproof Qualities, in Ease of Operation, Durability & Beauty of Finish & Style), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Halsted Jos. Co., 1223 W Randolph, Chicago, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York

### 4240—Elevator Gates (Automatic)

See also Gates, Folding

Bardsley Bros. Co., 151 Baxter, New York
Beckwith Elevator Co., 123 Pearl, Boston, Mass.
Christiansen L., 254 Broad, Lynn, Mass.
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
*See adv index at end of book*
Dusing & Hunt, 386 Michigan av, Buffalo, N. Y.
Grote F. Mfg. Co., Evansville, Ind.
Houser Elevator Co., Syracuse, N. Y.
Johnson Geo. W. Mfg. Co., 209 W 17th, Kansas City, Mo.
Kansas City Elevator Mfg. Co., Kansas City, Mo.
Kimball Bros. Co., P O Box 154, Council Bluffs, Ia.
Kleenan L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Knickerbocker Elevator Gate Co., 116 West, New York
Lagerquist Gust. (& Half Automatic), 516 N 3d, Minneapolis, Minn.
Loewer John E. Wire & Iron Wks. Co., 914 Campbell, Kansas City, Mo.
Milmine H. B. & Co., Toledo, Ohio
Morrison Angus Co., 183 High, Boston, Mass.
Nock & Garside Elevator Co., Denver, Colo.
Norfolk Iron & Wire Works, Norfolk, Va.
Ohio Elevator & Machine Co. (& Half Automatic), Columbus, O.
Peelle Co. ("Peelle" Safety), Stewart av & Harrison pl, Brooklyn, N. Y.
Quincy Elevator Gate Co., Quincy, Ill.
Read Safety Gate Co., 418 N Paca av, Baltimore, Md.
Reedy H. J. Elevator Co. (Full Automatic), 15 W 2nd, Cincinnati, O.
Richmond Safety Gate Co., Richmond, Ind.
St. Louis Wire & Iron Co., St. Louis, Mo.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Shields J. H., 231-33 Sycamore, Cincinnati, Ohio
Smith F. P. Wire & Iron Works, Lake & Dearborn, Chicago, Ill.
*See adv index at end of book*
Smyser, Royer Co., York, Pa.
Speidel John G. Reading, Pa.
*See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York.
Storm Mfg. Co., 50 Vesey, Newark, N. J.
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
**WARNER ELEVATOR MFG. CO.**, Spring Grove av, Alfred & Valley, Cincinnati, Ohio *See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

### 4241-2—Elevator Gates & Guards (Folding)

See also Gates, Folding

**ESTEY BROS. CO.**, 270 Union av, Brooklyn, N. Y. *See adv index at end of book*
**MEYERS FRED J. MFG. CO.**, Hamilton, O.
*See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.

### 4243— Elevator Governors

Speidel John G., Reading, Pa.
*See adv index at end of book*
**WARNER ELEVATOR MFG. CO.**, Spring Grove av, Alfred & Valley, Cincinnati, Ohio. *See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Electric), East Pittsburgh, Pa.
*See adv index at end of book*

### 4244—*Elevator Mouldings (Ornamental Steel)

**DAHLSTROM METALLIC DOOR CO.** (Cold Drawn), 413 Buffalo, Jamestown, N. Y. *See adv index at end of book*

### 4245— Elevator Repairs

**See also firms marked thus † under the head of Elevators, Freight & Passenger**
Otis Elevator Co., 26th & 11th av, New York
Sterling Devices Co., 9 Lispenard, New York
Warsaw Elevator Co., Warsaw, N. Y.

### 4246— Elevator Safety Devices

**See also the Specific Article Required**

American Electric Machine & Elevator Co., 1706 N 12th, St. Louis, Mo.
Andrus-Tooeland Co., 213-14 Moffat bldg, Detroit, Mich.
Angell Elevator Lock Co. ("Angell" Safety Floor Stop & Lock), 370 Atlantic av, Boston, Mas.
Buildings Equipment Mfg. Co., 125 W Jackson blvd, Chicago, Ill.
Boedtcher Franz A. ("Dorloc"), 355 W 42nd, New York
Christianson L., 254 Broad, Lynn, Mass.
**CUTLER-HAMMER MFG. CO.** (Electric), 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Elevator Signal Co., 116 West, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Montgomery Elec. Service, Kansas City, Mo.
Ohio Elevator & Machine Co., Columbus, Ohio
Reedy, H. J. Elevator Co. (All Approved Designs), 15 W 2d, Cincinnati, O.
Reliance Grant Elevator Equipt. Corp. ("Reliance"), 101 Madison av, New York
Russell & Erwin Mfg. Co. ("Russwin" Elevator Door Controller), New Britain, Conn.
Safety Appliance Co., St. Louis, Mo.
Safety Elevator Stop Co., Kalamazoo, Mich.
Shipperloc Co. ("Shipperloc"), 368 Atlantic av, Boston, Mass.
Shurloc Elevator Safety Co. (Auto-mechanical), 127 White, New York
Snyder Ow[illegible] T. & Co., Columbus, O.
Sturm Dumbwaiter & Elevator Co., Portland, Ore.
Surety Guard Co. ("M-C-K"), 62 E Lake, Chicago, Ill.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.
**WARNER ELEVATOR MFG. CO.**, Spring Grove av, Alfred & Valley, Cincinnati, O. *See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y.
Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.

### Elevator Safety Gates

See Elevator Gates, Automatic

### 4247— Elevator Safety Locks

American Electric Machine & Elevator Co., 1706 N 12th, St. Louis, Mo.
Angell Elevator Lock Co. ("Angell," Shipper Rope), 370 Atlantic av, Boston, Mass.
Christianson L., 254 Broad, Lynn, Mass.
Clernand & Co. (Freight), 359 W B'way, New York
Elevator Supplies Co., Hoboken, N. J.
Grammes, L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Knickerbocker Elevator Gate Co., 116 West, New York
Shipperloc Co ("Shipperloc"), 368 Atlantic av, Boston, Mass
Standard Elevator Interlock Co., 16th & Sansom . Phila. Pa.
**WARSAW ELEVATOR CO.**, Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.
*See adv index at end of book*
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.

### 4248— Elevator Safety Stops

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hunter James Machine Co., N Adams, Mass.
Knickerbocker Elevator Gate Co. (Floor), 116 West, New York

### 4249—*Elevator Self-Starters (Electric)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

### Elevator Siding

See Roofing & Siding, Iron & Steel

## 4250-1— Elevator Signals

Elevator Signal Co., 116 West, New York
Elevator Supplies Co. ("Armstrong" Electric), Hoboken, N. J.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.

## 4252-3—*Elevator Switches (Belt and Reversing)

**CUTLER-HAMMER MFG. CO.** ("C. & H."), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Van Emon B. C. Elevators, Inc., 235 1st, San Francisco, Cal.

## 4254— Elevators (Ashes)

See also Conveyors, Coal & Ash Handling

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT COMPANY** ("Link-Belt" Telescoping for Buildings, Boiler Rooms), etc.), 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*

## 4255—Elevators (Barrel & Package)

See also Conveyors, Various Kinds

**ALVEY-FERGUSON CO.**, 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O.
*See adv index at end of book*
Chain Belt Co. (Curved Arm), Milwaukee, Wis.
Chicago Conveyor Co., 2416 W 22d, Chicago, Ill.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Ernst C. K., Buffalo, N. Y.
**Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.**
Great Western Mfg. Co., Leavenworth, Kans.
Haslett Spiral Chute Co., 2008 W Madison, Phila., Pa. *See adv index at end of book*
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O**
*See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Lamson Co., 100 Boylston, Boston, Mass.
**LINK-BELT COMPANY** (Automatic Pick Up, etc), 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
**Pittsburg Conveyor Machinery Co, 4th & Duquesne wy, Pittsburgh, Pa**
**ROBINS CONVEYING BELT CO.**, 13 Ann, New York
*See adv index at end of book*
**Teal Chas. A., 1361 Ridge av, Phila, Pa.**
Van Emon B. C. Elevators, Inc., 235 1st, San Francisco, Cal.
Warsaw Elevator Co., Warsaw, N. Y., Dunn bldg, Buffalo, N. Y.
**WEBSTER MFG. CO.**, 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
**Weller Mfg Co, 1856 N Kostner av, Chicago, Ill.**

## Elevators (Belt Power)

See Elevators, Freight & Passenger

## Elevators (Box Water)

See Elevators, Water, for Mine & Quarry

## 4256— Elevators (Bucket)

Acme Road Machy. Co., Frankfort, N. Y.
**American Road Machinery Co, Kennett sq, Pa**
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**BARTLETT C. O. & SNOW CO., Fall st,** Cleveland, O.
*See adv index at end of book*
**Caldwell H W & Son Co, 17th & Western av, Chicago, Ill**
Chain Belt Co., Milwaukee, Wis.
Dodge Sales & Engineering Co., Mishawaka, Ind.
**Dull Raymond W. Co., 111 W Washington, Chicago, Ill.**
**Essmueller Mill Furnishing Co., 1222 S 8th, St. Louis, Mo.**
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Haag A. W. & Co., Reading, Pa.
**JEFFREY MFG. CO. ("Jeffrey" for All Classes of Work), 961 N Fourth, Columbus, O.** *See adv index at end of book*
Jones W. A. Foundry & Machine Co. ("Chain Bucket"), 4401 W 12th, Chicago, Ill.
**LINK-BELT COMPANY** (Continuous & Incline Continuous), 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Manufacturers' Equipment Co., Dayton, O.
Mead-Morrison Mfg. Co. ("McCaslin"), cor Prescott & Orleans, East Boston, Mass.
Mullins Body Corp., Salem, Ohio
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
Nordyke & Marmon Co., Ky av & Morris, Indianapolis, Ind.
**ROBINS CONVEYING BELT CO.**, 13 Ann, New York *See adv index at end of book*
**SMITH ENGINEERING WKS.**, 3191 Locust, Milwaukee, Wis.
Sprout, Waldron & Co., Muncy, Pa.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Tamaqua Mfg. Co., Tamaqua, Pa.
Universal Road Machinery Co., Kingston, N. Y.
**WEBSTER MFG. CO.**, 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.

## 4257—*Elevators (Building Material)

See also Elevators, Hod; also Engines, Hoisting; also Hoists, Builders' Electric; also Hoists, Contractors' Material

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## Elevators (Carriage)

See Elevators, Freight & Passenger
Also Elevators, Hand

## 4258—*Elevators (Carriage, Wagon, Automobile, Etc.)

Speidel John G., Reading, Pa.
*See adv index at end of book*

## Elevators (Clay)

See Conveyors, Clay

## Elevators (Coal)

See Conveyors, Coal & Ash Handling, also Elevators, Bucket

## 4259—*Elevators (Combination, Hand & Belt Power)

**SPEIDEL JOHN G.**, Reading, Pa.
*See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

## 4260— Elevators (Concrete)

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Smith T. L. Co. ("Smith"), 1151 32d, Milwaukee, Wis.

## 4261—*Elevators (Concrete Mixer)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 4262—Elevators (Contractors' Material)

See also Hoists, Contractors' Material; also Elevators, Hod

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.

## Elevators (Cotton)

See Elevators, Cotton, Under Textile Machinery

## 4263— Elevators (Electric)

See also Elevators, Freight & Passenger

**AMERICAN ELEVATOR & MACHINE CO.**, Louisville, Ky.
**COHOES IRON FOUNDRY & MACHINE CO.**, Cohoes, N. Y.
*See adv index at end of book*
Curran, Jas. H. Elevator Co. (Direct Connected & Reversible Belt), 116 W Second, Cincinnati, Ohio
**Haughton Elevator & Machine Co., 679 Spencer, Toledo, O.**
Houser Elevator Co., Syracuse, N. Y.
**NORTHERN ENGINEERING WORKS** (Freight), 9 Chene, Detroit, Mich.
*See adv index at end of book*
Otis Elevator Co. (Power), 26th & 11th av, New York
**Roberts Jas. H. Elevator Co., 430 W B'way, New York**
See A. B. Electric Elevator Co., 220 B'way, New York.
Seevers Mfg. Co., Oskaloosa, Ia.
**SPEIDEL JOHN G.**, Reading, Pa.
*See adv index at end of book*
Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.
**WARNER ELEVATOR MFG. CO.**, Spring Grove av, Alfred & Valley, Cincinnati, Ohio *See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

## 4264— Elevators (Electric Sidewalk)

See also Elevators, Sidewalk

Otis Elevator Co., 26th & 11th av, New York
**SPEIDEL, JOHN G.**, Reading, Pa.
*See adv index at end of book*


**Hendricks' Commercial Register**

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

*When writing to firms whose names appear in this book please mention*

**Hendricks' Commercial Register**

# WARNER ELECTRIC ELEVATORS

We manufacture complete including the *Motor, Controller* and all *Safety Devices*

## TRACTION ELEVATORS

of any size and capacity for high speed *Passenger* service and heavy duty *freight* service.

## THE WARNER ELEVATOR MFG. CO.
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Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.

**WARNER ELEVATOR MFG. CO.,** Spring Grove av, Alfred & Valley, Cincinnati, Ohio *See adv index at end of book*

Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

### 4265-6—*Elevators (Employees')

**Nutting Truck Co., Faribault, Minn** *See adv index at end of book*

Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.

### Elevators (Flour)

See Conveyors, Grain Elevator

### 4267— Elevators For Canning Factories

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*

**LINK BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*

Van Emon B. C. Elevators, Inc., 235 1st, San Francisco, Cal.

### 4268— Elevators For Crushing Plants

See also Elevators, Bucket

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*

**LINK BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*

**ROBINS CONVEYING BELT CO.,** 13 Ann, New York *See adv index at end of book*

### 4268a—*Elevators For Mine & Quarry

**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*

Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*

### 4269— Elevators (Foundry)

**See also Elevators, Freight & Passenger**

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*

**LINK BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*

**NORTHERN ENGINEERING WORKS.** 9 Chene, Detroit, Mich. *See adv index at end of book*

**SPEIDEL, JOHN G.,** Reading, Pa. *See adv index at end of book*

**WARNER ELEVATOR MFG. CO.,** Spring Grove av, Alfred & Valley, Cincinnati, Ohio *See adv index at end of book*

Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg., Buffalo, N. Y.

### 4270—Elevators (Freight & Passenger)

NOTE—Firms Designated by Dagger (†) denotes General Repair Work Only. (Star (*) Indicates Passenger Elevators

**Under this Heading see Sub-classifications**

#### ALABAMA.

BIRMINGHAM—*Otis Elevator Co.
Warner Elevator Mfg. Co., 209 N 22nd. *See adv index at end of book*

#### CALIFORNIA.

LOS ANGELES—Baker Iron Works
Llewellyn Iron Works
*Otis Elevator Co. (For all purposes),

SAN FRANCISCO—†Enterprise Electric Works, 654 Mission
*Otis Elevator Co. (For all purposes), Stockton & N Point
Van Emon B. C., Elevators, Inc., 235 1st

#### COLORADO.

DENVER—*Nock & Garside Elevator Co.,

#### CONNECTICUT.

NEW HAVEN—Eastern Machinery Co. (Electric)
**MacKenzie George M.**

#### CUBA

HAVANA—**AMERICAN ELEVATOR & MACHINE CO.** (Chas. H. Thrall Elec. Cont. Co., Agent)

#### DELAWARE.

WILMINGTON—Green Elevator Co.

#### FLORIDA.

TAMPA—Warner Elevator Mfg. Co., 916 Citizen Bank bldg *See adv index at end of book*

#### GEORGIA.

ATLANTA—Warner Elevator Mfg. Co., 203 Calhoune bldg *See adv index at end of book*

SAVANNAH—**AMERICAN ELEVATOR & MACHINE CO.** (Bell Co., Agent)

#### ILLINOIS.

BLOOMINGTON—Keiser-Van Leer Co. (Freight)

CHICAGO — Brown Portable Conveying Machy. Co. (Belt), 10 S La Salle
Colley Elevator Co., 522 W Monroe
Gallaher & Speck, 215 W Congress
Illinois Elevator Co., 224 N Union av
*Kaestner & Hecht Co. (Steam, Electric & Hydraulic), 500 Throop
†Mitchell C H Elevator Co., 522 W Monroe
*Otis Elevator Co., 600 W Jackson blvd
Pitt Engineering Co., 120 W Kinzie
†Prince Elevator Co., 231 W Grand av
†Reliance Elevator Co., 212 W Austin av
Standard Plunger Elevator Co., 327 S La Salle
Wheeler Elevator Co., 1121 Washington, blvd

DANVILLE—Westbrook Elev. Co. (Electric)

MOLINE—Montgomery Elevator Co. (Electric)

PEORIA—**AMERICAN ELEVATOR & MACHINE CO.** (H. F. Kircher & Co., Agent)
QUINCY—Hollister-Whitney Co. (Electric)

### INDIANA.

DECATUR—Decatur Foundry, Furnace & Machine Co.
EVANSVILLE—*Grote F. Mfg. Co. (Electric)
International Steel & Iron Co. (Electric & Hand Power)
Mesker Geo. L. & Co. (Hand & Power)
INDIANAPOLIS—†Carman & Fryer
Nordyke & Marmon Co. (For Mills & Factories), Kentucky av & Morris
*Otis Elevator Co., 22 S Capitol
†Reedy D. V. Elevator Co. (Electric), 1026 Kentucky av
Warner Elevator Mfg. Co., 804 Fidelity Trust bldg
*See adv index at end of book*

### IOWA.

COUNCIL BLUFFS — Kimball Bros. Co. (Electric, Hand & Bolt Power), P O Box 154
DES MOINES—Globe Machinery & Supply Co.
Iowa Machinery & Supply Co.
LE MARS—Pech Gustave Foundry & Mfg. Co.

### KANSAS.

KANSAS CITY—Strait H. N. Mfg. Co. (Freight)

### KENTUCKY.

**LOUISVILLE—Abell Elevator Co. (Mfrs. of Passenger & Freight, Electric Traction & Gearless Traction, Push Button, Hydraulic & Hand & Belt Power Elevators), 114 N 8th**
***AMERICAN ELEVATOR & MACHINE CO.** (Electric, Hydraulic, Belt & Hand)*
**Atlas Machine Co.**

### LOUISIANA.

NEW ORLEANS—†American Elevator & Electric Co., 511 Poydras
**AMERICAN ELEVATOR & MACHINE CO.** (American Elevator & Electric Co., Agent)
**†Commercial Electric Co., Ltd., 728 Poydras**

### MAINE.

PORTLAND — *Portland Co. (Electric, Hydraulic, Plunger & Belted)

### MARYLAND.

BALTIMORE—*Bates Elevator Co. (Hand, Hydraulic, Steam, Electric, etc.), 211 Preston
**Flynn & Emrich Co., 305 N Holliday**
Warsaw Elevator Co., Main Office & Works: Warsaw, N. Y.

### MASSACHUSETTS.

BOSTON—Beckwith Elevator Co., 123 Pearl
**Brewer Elevator Co., 27 Bowker**
Kimball C. E. & Son, 178 High
**McLauthlin Geo. T. Co., 120 Fulton**
***Moore & Wyman Elevator & Machine** Works, 72 Granite, S Boston
Morrison Angus Co. (Plunger), 183 High
Otis Elevator Co. (For all purposes), 53 State
**†Payne F. S. Co., 295 Franklin**
**†Porter W. H., 30 Wendell**
***Portland Co. (of Portland, Me.), 110 Broad**
**Seelye Mfg. Co. (Freight), 118 South**
†Tubman Wm. S, 67 Milk
FLORENCE—Norwood Engineering Co. (Belt Power Freight)
LYNN—Embree Elevator & Millwright Co.
SALEM—*Salem Elevator Works (Electric)
SPRINGFIELD—Bay State Elevator Co. (Hydraulic, Plunger, Electric & Belt)
Springfield Iron Works
Warsaw Elevator Co., 19 Taylor
WORCESTER—Standard Plunger Elevator Co. (Electric), Stafford

### MICHIGAN.

**DETROIT—†Fox Wm., 71 Larned W**
**NORTHERN ENGINEERING WKS.,** (Freight), 9 Chene
*See adv index at end of book*
GRAND RAPIDS—Lutelt Adolph Iron Works

### MINNESOTA.

**MINNEAPOLIS—*Lagerquist Gust. (Electric, Hand, Belt, etc.), 516 N 3d**
ST. PAUL—*Lee & Hoff Mfg. Co. (Electric), 65 E Water

### MISSOURI.

KANSAS CITY—**AMERICAN ELEVATOR & MACHINE CO.** (King Supply & Equipment Co., Agent)
*Otis Elevator Co., 1920 Wyandotte
Warner Elevator Mfg. Co., 1212 Grand av, Temple bldg
*See adv index at end of book*
**ST. LOUIS—American Electric Machine & Elevator Co., 1706 N 12th**
**AMERICAN ELEVATOR & MACHINE CO.** (Wm. A. Miller Machine Elevator Co., Agent)
Ellison W. & Sons Mfg. Co.
**Geraghty Bros. Elevator Co., 416 S 6th**
Miller Wm. A., Mach. & Elevator Co., 1000 N Main
Otis Elevator Co., Locust & 23d
**†Williams Const. & Repairing Co., 308 Clark**

### NEBRASKA

OMAHA—**AMERICAN ELEVATOR & MACHINE CO.** (Standard Engineering Co., Agent).

### NEW JERSEY.

HOBOKEN—Reedy Elevator Co.
JERSEY CITY—New York Revolvator Co., 395 Garfield av
*See adv index at end of book*
NEWARK—Skinner & Leary Co. (Freight Only), 19 Commercial
**Storm Mfg. Co. (Hand & Belt Power, etc), 50 Vesey**
Wright Lysander, Jr., Mach. Works, 9 Alling

### NEW YORK.

BUFFALO — †Buffalo Engineering Co., Erie Co. Bank bldg
Smith Elevator Co., 15 W Swan, Buffalo, N. Y.
*Warsaw Elevator Co., Dunn bldg
COHOES—Cohoes Iron Foundry & Machine Co. ("Cohoes")
*See adv index at end of book*

### NEW YORK CITY.

#### Borough of Brooklyn.

**BROOKLYN—Rodgers R. M. Mfg. Co., 74 Emerson pl**

#### Boroughs of Manhattan and Bronx.

NEW YORK—†American Elevator Co. (Also Repairers), 117 Cedar
**Burwak Elevator Co., 216 Fulton**
**Chelsea Elevator Co. (Electric), 213 W 26th**
†Clernand & Co., 359 W B'way
Crouch W. J. Co., 68 William
**Dowdall Chas. E., 152 W B'way**
*Gurney Elevator Co. (Electric), 62 W 45th
Lowerator Co., Freight Only, 100 W 40th
**Maintenance Co. (Electric), 417 Canal**
**Murtaugh Elevator Co., 535 W 33d**
**National Elevator Co., 62 W 45th**
†New York Elevator Co., 50 Grand
***Otis Elevator Co., 26th & 11th av**
***Roberts J. H. Elevator Co., 430 W B'way**
*See A B Electric Elevator Co., 220 B'way
Sedgwick Machine Works, 150 W 15th, New York
***Shaper F. D. Elevator Co., 153 Franklin**
**Slade Elev. Co. (Electric), 1565 Park av**
Sommervlle Elevator Co., 156 W 30th
Staley El. Elev. & Mach. Co., 153 Greene
Warsaw Elevator Co., 216 Fulton
**Welsh Machine Works, 276 West**
Wheeler-McDowell Elev. Co. (Electric), 417 Canal

**(End of New York City)**

**OSSINING—Kipp Ralph P. (Hydraulic)**
POUGHKEEPSIE — Sedgwick Machine Works (Hand Power)
ROCHESTER—*Otis Elevator Co., 8-10 Jones
Warner Elevator Mfg. Co., 113 Warren *See adv index at end of book*
*Warsaw Elevator Co., 189 Mill
SYRACUSE—Houser Elevator Co. (Electric)
UTICA—*Otis Elevator Co.
WARSAW—*Warsaw Elevator Co.

### NORTH CAROLINA.

CHARLOTTE—Moffatt Machinery Mfg. Co.
**Park Mfg. Co. (Belt Power)**

### OHIO.

CINCINNATI—Alvey-Ferguson Co., 70 North av, Oakley

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COTTON MILL SLASHERS AND EQUIPMENT
KETTLES AND PUMPS FOR SIZE
PATTERN WORK GREY IRON CASTINGS MACHINE WORK
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*16 Saratoga Street* *Cohoes, N. Y.*

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OHIO—CINCINNATI—continued

ELEVATORS (FREIGHT & PASSENGER) —contiiued

Cincinnati Elevator Wks. (Steam, Hydraulic, Electric & Hand), Quigley, N. J. (Propr), 212 W 2d
*Curran Jas. H. Elevator Co., 116 W 2d
**National Elevator Co., 124 Longworth**
*Reedy H. J. Elevator Co. (Electric, Hydraulic, Plunger, Steam, Hand, etc.), 15 W 2d
***WARNER ELEVATOR MFG. CO.** (Electric, Hydraulic & Hand & Belt Power, Passenger & Freight), Spring Grove av, Alfred & Valley
*See adv index at end of book*

CLEVELAND—Edmonds Elevator Co. (Electric), 519 Champlain
Rossborough W. J., 625 Long av
Warner Elevator Mfg. Co., Sloan bldg
*See adv index at end of book*

COLUMBUS—†Beck Electrical Repair Co., 149 W State
**Jeffrey Mfg. Co., 961 N Fourth**
*See adv index at end of book*
**Ohio Elevator & Machine Co. (Electric, etc.)**
*Otis Elevator Co.
Warner Elevator Mfg. Co., 616 Columbus Savings & Trust bldg
*See adv index at end of book*

DAYTON—Gem City Elevator Works (Steam, Hydraulic, Electric, Belt, etc)
Warner Elevator Mfg. Co., 108 Green.
*See adv index at end of book*

TOLEDO—*Haughton Elevator & Mach. Co. (Steam, Hydraulic, Electric, Belt, etc.), 679 Spencer

## OREGON.

PORTLAND—†Portland Elevator Co.
Portland Iron Works, 14th & Northrup
Sturm Dumbwaiter & Elev Co.

## PENNSYLVANIA.

CHESTER—Wetherill Robert & Co.
COATESVILLE—Ridgway, Craig & Son Co. (Heavy Freight)
HONESDALE—Gurney Co. (Electric)
LANCASTER—†Welchans A. C.
PHILADELPHIA — Albro-Clem Elevator Co. (Electric), D. & Erie
Energy Elevator Co., 214 New
Independence Elevator Co., 7th & Wood
McIntire Walter C. & Co., 12 N 5th
O'Neill Elevator Co., 628 Cherry
*Otis Elevator Co., 12th & Samson
*See, A. B. Electric Elevator Co., Colonial Trust bldg
*Stokes & Parrish Elevator Co. (Dep't of Otis Elevator Co.), 16th & Samson
Warsaw Elevator Co., 929 Chestnut

PITTSBURGH — †Elevator Construction Co., 327 Second av
*Marshall Bros. (Electric), S 21st
Pennsylvania Elevator Co., Hartje bldg
Seeler Elevator Works, 332 3d av
Stoner, Thaw & Co. Ltd., 1200 W Carson
Walters H. D., 210 2d av

READING—Haag A. W. & Co. (Freight Only)
***SPIEDEL JOHN G.** (Belt, Hand & Electric Power)
*See adv index at end of book*

SOUTH BETHLEHEM—Bethlehem Fdy. & Machine Co. (Spur, Gear & Screw Winding; Freight only)

## RHODE ISLAND.

PROVIDENCE—†Anderson & Osterman, 131 Washington
Haley & Blanch Elevator Co., 53 Sabin
Mason, Volney W. & Co., 2 Lafayette

## TENNESSEE.

CHATTANOOGA—Peglar Machine Co. (Freight)
Sybilla Elevator & Mfg. Co. (Carriage)
**WARNER ELEVATOR MFG. CO.,** 19-21 Main
*See adv index at end of book*

KNOXVILLE—**AMERICAN ELEVATOR & MACHINE CO.,** (W. E. Webber, Agent).
Savage W. J. Co. (Freight Only)

NASHVILLE—Warner Elevator Mfg. Co., 129 N 3rd av
*See adv index at end of book*

## TEXAS.

DALLAS—**AMERICAN ELEVATOR & MACHINE CO.** (J. Peyton Hunter, Agent)
HOUSTON—*Otis Elevator Co.

## UTAH.

SALT LAKE CITY—Trent Engineering & Machinery Co.

## VIRGINIA.

NORFOLK—*Otis Elevator Co.

## WASHINGTON.

SEATTLE—†Biegert J. C. Machine Wks.
*Otis Elevator Co.
Washington Elevator Co. (Electric)

SPOKANE—*Otis Elevator Co.
***Pacific Iron Works** (Electric, Hand & Power; also Hydraulic)

TACOMA—Warner Elevator Mfg. Co., 619 S. State
*See adv index at end of book*

## WISCONSIN.

MILWAUKEE—Brodesser Elev. Co. (Elevator), Burleigh & Weil
†Heller S., 250 Milwaukee
**Kieckhefer A. Elevator Co. (Electric,** Hydraulic, Belt, Plunger, Traction, etc)
*Otis Elevator Co., 115-117 Huron
*†Rosenberg F. Elevator Co. (Electric), 174 Reed

## 4270a— Elevators (Garage)

Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
*See adv index at end of book*

## 4271—Elevators (Gearless Traction)

Abell Elevator Co., 114 N 8th, Louisville, Ky.
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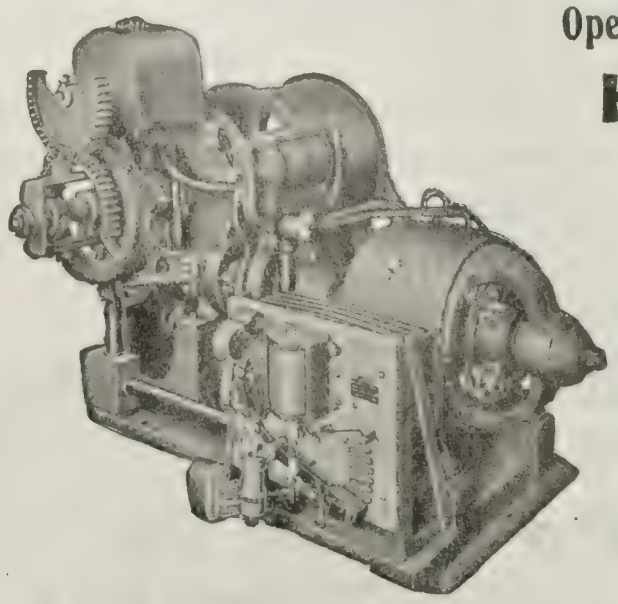

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Avney Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Chain Belt Co., Milwaukee, Wis.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Lamson Co., 100 Boyston, Boston, Mass.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & F & R Ry, Philadelphia, Pa.
*See adv index at end of book*

## 4273—Elevators (Hand Power)

See also Dumb Waiters; also Elevators, Freight & Passenger
**AMERICAN ELEVATOR & MACHINE CO.,** Louisville, Ky.
Energy Elevator Co., 214 New Phila, Pa.
**SPEIDEL JOHN G., Reading, Pa.**
*See adv index at end of book*
**WARNER ELEVATOR MFG. CO., Spring** Grove av, Alfred & Valley, Cincinnati, O. *See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

## Elevators (Hay)

See Carriers, Hay; also Elevators, Portable

## 4274— Elevators (Hod)

Anderson Chas., 983 Pacific, Brooklyn, N. Y.
American Hoist & Derrick Co. (For Building Materials), St. Paul, Minn.
Buckley Jas. J. (For Building Material), 303 5th av, New York
Carlson Hoist & Machine Co., 1074 St. Marks av, Brooklyn, N. Y.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
**LIDGERWOOD MFG. CO.,** 96 Liberty, *See adv index at end of book*
National Hoisting Engine Co., Harrison, N. J.
Nineteen Hundred Washer Co., Binghamton, N. Y.
Pelham Hod Elevating Co. (For Building Materials), 416 W 26th, New York
Smith Wm. A., 282 E 141st, New York
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Stanley & Machine Co., 620 W 25th, New York
Sybilla Elevator & Mfg. Co., Chattanooga, Tenn.
Thomas Elevator Co., 20 S Hoyne, Chicago, Ill.
White Hoist & Machine Co., Southern blvd, & 143rd, New York

## 4275— Elevators (Hydraulic)

See also Elevators, Freight & Passenger
Curran Jas. H. Elevator Co., 116 W Second, Cincinnati, Ohio
Haughton Elevator & Machine Co., 679 Spencer, Toledo, O.
Otis Elevator Co., 26th & 11th av, New York
Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.
**WARNER ELEVATOR MFG. CO.,** Spring Grove av, Alfred & Valley, Cincinnati, Ohio. *See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Marine Nat. Bank bldg, Buffalo, N. Y.

## 4276-7-8—Elevators (Hydraulic Gravel)

New York Engng. Co. ("Empire"), 2 Rector, New York

## Elevators (Incline)

See Stairways, Moving

## Elevators (Invalid, Hand & Belt Power)

See Elevators, Hand

## 4279— *Elevators (Light)

**LAMSON CO.** (For Banks, Stores, Offices, Factories, Hotels, Libraries, Hospitals & Newspaper Plants), 100 Boylston, Boston, Mass.

## Elevators (Link-Belt)

See Conveyors, Link Belt

## 4280— Elevators (Marine)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*

## 4281— *Elevators (Pipe)

**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*

## 4282— Elevators (Plunger)

See also Elevators, Freight & Passenger
Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.
**WARNER ELEVATOR MFG. CO.,** Spring Grove av, Alfred & Valley, Cincinnati, Ohio *See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

## 4283— *Elevators (Pneumatic)

**NORTHERN ENGINEERING WORKS** (Freight), 9 Chene, Detroit, Mich.
*See adv index at end of book*
Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.

## 4284— Elevators (Portable)

**ALVEY-FERGUSON CO.,** 70 North av, Cincinnati, O.
Brown Portable Conveying Machinery Co., 10 S La Salle, Chicago, Ill.
Camp Bros. & Co., Washington, Ill.
Davis Norris K. Machine Wks., 400 7th, San Francisco, Cal.
Economy Engineering Co., 415 S Washtenaw av, Chicago, Ill.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
Koenig Edward L., La Salle nr. Lake, Chicago, Ill.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
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Otis Elevator Co. (Automatic, Electric), 26th & 11th av, New York
Van Emon B. C., Elevators, Inc., 235 1st, San Francisco, Cal.
**WARNER ELEVATOR MFG. CO.** (Automatic), Spring Grove av, Alfred & Valley, Cincinnati, O.
*See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

## 4286— Elevators (Quicksilver)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**KENNEDY VAN SAUN MFG. & ENG. CORP., 120 Broadway, New York**
*See adv index at end of book*

## Elevators (Revolving Portable)

See Tiering Machines

## 4287— Elevators (Salt)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Link-Belt Co., 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.

## 4288-9—Elevators (Sidewalk)

See also Elevators, Freight & Passenger
**Abell Elevator Co., 114 No. 8th, Louisville, Ky.**
Channon Jas. H. Mfg. Co. (Hand & Belt Power), 227 W Erie, Chicago, Ill.
Chelsea Elevator Co., 213 W 26th, New York
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
*See adv index at end of book*
**Curran Jas. H., Elevator Co., 114 W 2nd, Cincinnati, O.**
Dowdall Chas. E., 152 W B'way, New York
Eastern Machinery Co., New Haven, Conn.
Edmonds Elevator Co., 519 Champlain av, Cleveland, O.
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Kimball Bros. Co., P O Box 154, Council Bluffs, Ia.
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**Kohlmetz H. L., Rochester, N. Y.**
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**Marshall Bros., S 21st, Pittsburgh, Pa.**
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Murtaugh Elevator Co., 535 W 33d, New York
Ohio Elevator & Machine Co., Columbus, O.
Otis Elevator Co., 26th & 11th av, New York
Prince Elevator Co., 231 W Grand av, Chicago, Ill.
Reedy H. J. Elevator Co. (Electric, Hydraulic & Hand Power), 15 W 2d, Cincinnati, O.
Revolvator Co., 395 Garfield av, Jersey City, N. J. *See adv index at end of book*
**Roberts Jas. H. Elevator Co., 430 W B'way, New York**
Sedgwick Machine Works, 150 W 15th, New York
**SPEIDEL JOHN G.,** Reading, Pa.
*See adv index at end of book*
Storm Mfg. Co., 50 Vesey, Newark, N. J.
**WARNER ELEVATOR MFG. CO., Spring** Grove av, Alfred & Valley, Cincinnati, O. *See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

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See Elevators, Bucket

## 4290— Elevators (Traction)

**AMERICAN ELEVATOR & MACHINE CO.**, Louisville, Ky.
Van Emon, B. C., Elevators, Inc., 235 1st, San Francisco, Cal.
**WARNER ELEVATOR MFG. CO.**, Spring Grove av, Alfred & Valley, Cincinnati, Ohio. *See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y.

## 4292—Elevators (Traveling, Coal)

Acme Road Machy. Co., Frankfort, N. Y.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O.
*See adv index at end of book*

## Elevators (Tray)

See Elevators, Barrel & Package

## 4292— *Elevators (Wall)

## 4293—*Elevators (Water, For Mine & Quarry)

Link-Belt Co., 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry., Phila., Pa.

## 4294—Elevators & Conveyors For All Purposes

Hunt, C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O.
*See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av, & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 4295— Eliminators

See also Extractors, Oil & Grease

Hoppes Mfg. Co., Springfield, O.
Nicholson W. H. & Co. ("Wyoming," Automatic), Wilkes-Barre, Pa.
Robertson Jas. L. & Son ("Hine's"), 73 Murray, New York.

## 4295a— Emery

Carshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, O.
Munning A. P. & Co., Mattawan, N. J.
Niagara Emery Mills, Inc., 50 Broad, New York; Mills, Lockport, N. Y.
*See adv index at end of book*
Warren Products Co., 265 Canal, New York *See adv index at end of book*

## Emery Cloth

See Paper, Flint, Sand & Emery

## Emery Wheel Stands & Arbors

See Grinders, Emery

## 4296—Emery Wheels (Vulcanized Rubber)

Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
Manhattan Rubber Mfg. Co., Passaic, N. J.
**New York Belting & Packing Co. ("Vulcanite"), 91 Chambers, New York**

## 4297— Emery & Corundum

See also Abrasives

Abrasive Co., James & Fraley, Phila, Pa.
Abrasive Mining & Mfg. Co. (Miners & Mfrs., Scimitar, Sultan Emery, Turkish Emery, Naxos Emery, Corundum), Plymouth, Ind., & Chester, Mass.
Brody Wm. & Co. (Dental Grinding), ("Anti-Thermo"), 1911 Park av, New York
Carborundum Co. (Carborundum), Niagara Falls, N. Y.
Cortland Grinding Wheel Corp ("Oxalumă"), Cortland, N. Y.
Cutter & Wood Supply Co. ("Sultan"), 77 Pearl, Boston, Mass.
*See adv index at end of book*
Exolon Co., 156 Sixth, Cambridge, Mass.
General Abrasive Co., Niagara Falls, N. Y.
Goodrich A., Inc., 1500 Madison, Chicago, Ill.
Granite City Iron Wks Co., St. Cloud, Minn.
Hamilton Emery & Corundum Co., Chester, Mass.
Hampden Corundum Wheel Co., Brightwood, Springfield Mass.
Harrison Bros., Inc., Amesburg, Mass.
Harrison Supply Co. ("Natite" Artificial Corundum & Importers Natural Corundum), 209 Washington, Boston, Mass.
Jackson Mills Emery Co. (Scimitar, Kulick Emery, Turkish Emery, Naxos Emery & American Emery), Pennsylvania bldg, Phila., Pa.
Keystone Emery Mills (Turkish & Greek), 4325 Paul, Phila., Pa.
National Abrasive Co. (Natite Corundum), 209 Washington, Boston, Mass.
**NIAGARA EMERY MILLS** (Turkish & Greek Naxos Emery), 50 Broad, New York; Mills, Lockport, N. Y.
*See adv index at end of book*
Oriental Emery Co., New Haven, Conn.
Pittsburgh Grinding Wheel Co., Rochester, Pa.
Speare's Alden Sons Co., Cambridge, Mass.
Sterling Grinding Wheel & Eng. Co., 327 S Clinton, Chicago, Ill.
**STILES H. A. & CO.** ("Ottoman" Turkish Emery & Greek Corundum), 93-97 Oliver, Boston, Mass.
*See adv index at end of book*
Tanite Co. (Emery Only), Stroudsburg, Pa.
Van Amringe Theo. & Son (Turkish Emery), 81 Fulton, New York
Washington Mills Emery Mfg. Co. (Turkish Emery Only), North Grafton, Mass.
White Heat Prods Co., Frayen, Pa.

## 4298—Emery & Corundum Wheel Mfrs.

Abrasive Co., Bridesburg, Pa.
Abrasive Co., Phila., Pa.
American Emery Wheel Works ("Carbolite"), 325 Waterman, Providence, R. I.
**Best L. Co., 75 Barclay, New York**
**BRIDGEPORT SAFETY EMERY WHEEL CO.**, 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Carborundum Co. (Carborundum & Alexite), Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co. ("Chicago"), 1101 W Monroe, Chicago, Ill.
Commercial Corundum & Emery Wheel Co., 922 W Ohio, Chicago, Ill.
Cortland Grinding Wheel Corp., Cortland, N. Y.
Crescent Emery-Corundum Wheel Co., Indianapolis, Ind.
Cutter & Wood Supply Co., 77 Pearl, Boston, Mass.
*See adv index at end of book*
Dayton Grinding Wheel Co., Dayton, O.
Detroit Grinding Wheel Co. ("Hart"), Jefferson & Field, Detroit, Mich.
Eagle Emery & Corundum Wheel Co., 715 S Robey, Chicago, Ill.
Electric Emery Wheel Co., 827 Broad, Newark, N. J.
**Gold Walter C. ("The Keystone"), 235 Race, Phila., Pa.**
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
Keystone Emery Mills, 4325 Paul, Phila., Pa.
Maxf Grinding Wheel Corp ("Maxf"), Chester, Mass.
National Grinding Wheel Co., 2984 Main, Buffalo, N. Y.
Norton Company (Alundum & Crystolon), Worcester, Mass.
Peninsular Emery Wheel Co. (Also Adamite Abrasive Wheels), 253 Meldrum, Detroit, Mich.
Pennsylvania Grinding Wheel Co., 4543 Wayne, Phila., Pa.
Pa. Grinding Wheel Co., S E Corner of Wayne av & Berkley, Phila, Pa.
Pike Mfg. Co., Pike, N. H.
Pittsburgh Emery Wheel Co., Rochester, Pa.
Ramsdell Specialty Co., Worcester, Mass.
Rogers H. A. Co. (Dealers), 87 Walker, New York
*See adv index at end of book*
Safety Emery Wheel Co., Springfield, O.
Springfield Mfg. Co., Bridgeport, Conn.
Star Corundum Wheel Co., 241 Cavalry av, Detroit, Mich.
Sterling Grinding Wheel Co. ("Sterling," "Sterlith" & "Sterbon"), Tiffin, O.
**STILES H. A. & CO.** (Also Artificial Abrasive Wheels), 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Superior Corundum Wheel Co., Waltham, Mass.
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.
Waltham Grinding Wheel Co., Waltham, Mass.
Waltham Grinding Wheel Co. ("Richardson"), Waltham, Mass.

## 4299—Employment Agencies (Engineers, Draftsmen & Other High Grade Men)

Business Men's Clearing House, 209 S State, Chicago, Ill.
Cleveland Engineering Agency Co., Rose bldg, Cleveland, O.
Engineering Agency, Monadnock blk, Chicago, Ill.
**Harrison H. H. & Co., Association bldg, Chicago, Ill.**


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## 4300— Emulsifiers

Day J. H. Co., Cincinnati, O.
Sharpless Separator Co., West Chester, Pa.
Stuart & Peterson Co., Burlington, N. J.

## 4301—Enameled Ware Mfrs. (Kitchen)

American Specialty Stamping Co., Johnstown, Pa.
American Stamping & Enameling Co., Bellaire, O.
Baltimore Stamping & Enameling Co. ("Oriole" Gray Ware), 909 E Pratt, Baltimore, Md.
Belmont Stamping & Enameling Co. ("Azure," "Sanitare," "Juniata," "Tuscore," "Cadet Blue"), New [illegible]hila., O.
Canton Stamping & Enameling Co. ("French," Grey), Canton, O.
Central Stamping Co., 174 Fulton, New York
Cleveland Metal Products Co. ("Aladdin"), 7609 Platt av & C & P tracks), Cleveland, O.
Cleveland Stamping & Tool Co. ("Lava," "Volcanic"), E 53d & Hamilton, Cleveland, O.
Columbian Enameling & Stamping Co. ("Turquoise," "Onyx"), Terre Haute, Ind.
Coonley Mfg. Co. ("Roco" & "Clyde" Brands), Cicero, Ill.
Crunden-Martin Mfg. Co. ("Spartan" Single Coated Gray), 2d & Gratiot, St. Louis, Mo.
Dunlap John Co. ("Monogram," "Blue-Stone," "Janet"), Carnegie, Pa.
Federal Enameling & Stamping Co., Thompson & Chartiers, Pittsburgh, Pa.
Geuder, Paeschke & Frey Co. (Also Galvanized, Japanned & Tinned), 1314-1700 St. Paul av, Milwaukee, Wis.
Jewett Stamping & Enameling Co. ("Jewett" Blue Mottled, White Lined), Jewett, O.
Kieckhefer Box Co., 133 N Water, Milwaukee, Wis.
Lafayette Stamping & Enameling Co., West Lafayette, O.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co., Canandaigua, N. Y.
Markt & Hammacher Co. (Swedish), 194 West, New York
National Enameling & Stamping Co. ("Blue Ribbon"), 411 5th av, New York
New England Enameling Co. ("Barnard," "New England" & "Quaker"), Middletown, Conn.
Ohio Enamel Co., 1016 B'way, Cleveland, Ohio
Porcelain Enameling Ass'n of America ("Polar-Brand"), Sheboygan, Wis.
Reed Mfg. Co., Newark, N. Y.
Republic Metalware Co., The, Buffalo, N. Y.
Republic Stamping & Enameling Co. ("Old English" Gray Ware), Canton, O.
Rothschild, Meyers & Co. (Imp.), 135 5th av, New York
Strong Mfg. Co. ("Everglade," "Concord," "Oceanic"), Sebring, O.
U. S. Stamping Co., Moundsville, W. Va.
Vollrath Co. ("Vollrath" Enameled Steel & Cast Iron Wares), Sheboygan, Wis.

## Enameled Ware Mfrs. (Plumbers')

See Bath Tubs, Lavatories, Sinks, etc

## 4302— Enamelers

See also Glass Enamelers

American Enamel Co. (Of Wood, Metal, etc), Providence, R. I.
Anderson Tool Co., Elyria, O.
Baltimore Enamel & Novelty Co. (Metal Stove Parts, etc.), 4 East Redwood, Baltimore, Md.
Beach Enameling Co., Coshocton, O.
**BOGERT & HOPPER, INC.** (Fancy and Plain Wood), 57 Barclay, New York
*See adv index at end of book*
Bossert Corp. (The), (Automobile & Pressed Metal Parts), cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Cleveland Metal Products Co. (Porcelain), 7609 Platt av & C & P Tracks, Cleveland, O.
Dick D. D. & Sons, 519 Cherry, Phila., Pa.
D. & G. Dial & Enameling Co., Waltham, Mass.
Elyria Enameled Products Co. (Vitreous), Elyria, O.
Enamel Products Co. (Porcelain Iron), Eddy rd & Taft av, Cleveland, O.
Estes E. B. & Sons (Fancy & Plain Wood), 364 5th av, New York
*See adv index at end of book*
Fowler Lamp & Mfg. Co., 59 E 24th, Chicago, Ill.
Franks Sani-Cover Supply Co. (Wood & Metal), Cambridge, Mass.
Geuder, Paeschke & Frey Co. (Porcelain Ware, etc.), (Job Work), 1314-1700 St. Paul av, Milwaukee, Wis.
Humphryes Mfg. Co. (Porcelain Iron, for all Purposes), Mansfield, O.
**INGRAM-RICHARDSON MFG. CO.** (Porcelain on Steel), Beaver Falls, Pa.
*See adv index at end of book*
Michigan Enameling Works (Porcelain), Kalamazoo, Mich.
Narragansett Machine Co. (Wood & Metal), Providence, R. I.
**NEW YORK ENAMELED STEEL SIGN CO.** (Enamelers on Sheet & Cast Iron), 725 Rockaway av, Brooklyn, N. Y.
North Star Spinning & Mfg Co., St. Paul, Minn.
Novelty Turning Co. (Wood), Norway, Me.
S. & I. Co., Springfield, Mass.
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
Shank E. A. Sign Co (Job Enameling on Iron & Steel), 19 Park pl, New York
Stiles H. A. & Co. (Fancy & Plain Wood), 93-97 Oliver, Boston, Mass.
*See adv index at end of book*
Sun Enamel Works (Fancy Wood Enameling & Japannings), Leominster, Mass.
**VITREOUS ENAMELING CO.**, Grant av, Cleveland, O.
*See adv index at end of book*

## 4303— Enamels

A. B. Polish Co. ("Screen & Iron"), 1515 Haddon av, Chicago, Ill.
Acme White Lead & Color Works, St. Rubin & M. C. R. R., Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite" White & Tinted & Amel-ite-enamel Washable), 726 Washington blvd, Chicago, Ill.
Akron Varnish Co. ("Peerless"), Akron, O.
Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
American Chemical & Mfg. Co., 617 Monticello av, Norfolk, Va.
American Enamel Co., Providence, R. I.
Arco Co. Euclid av & E 65th, Cleveland, O.
Armstrong Paint & Varnish Works ("Agate Kote"), 2502 S Paulina, Chicago, Ill.
Atlastic Paint Mfg. Co. ("Atlastic"), 1007 Marquette av, Minneapolis, Minn.
Baer Bros., 438 W 37th, New York
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bennett Varnish Co. ("Carbeno"), 2215 Elston av, Chicago, Ill.
Berry Bros., Wight & Leib, Detroit, Mich.
Bigelow Varnish Co. (White), 87 Oliver, Newark, N. J.
Billings-Chapin Co. ("Bilchaco"), 1163 E 40th, Cleveland, O.
Bird J. A. & W. & Co. ("Ripolin," Imported), 88 Pearl, Boston, Mass.
Biturine Co., 1 Drumm, San Francisco, Cal.
Blue Ribbon Paint Co., Wheeling, W. Va.
Booth J. B. Co., 216 E Robinson, Pittsburgh, Pa.
Boston Varnish Co. ("Kyanize" White), Everett Station, Boston, Mass.
Bradley & Vrooman Co., 2632 S Dearborn, Chicago, Ill.
Bridgeport Wood Finishing Works (Du Pont), Philadelphia, Pa.
Brown Chas. H. Paint Co. 262 Fulton, Brooklyn, N. Y.
Buffalo Oil, Paint & Varnish Co., Buffalo, N. Y.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co. Ltd., Johnstown, Pa.
Cawley, Clarke & Co., 278 Passaic, Newark, N. J.

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

Celluloid Zapon Co. ("Zapon" Lacquer), 200 5th av, New York
*See adv index at end of book*

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Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
Continental Products Co. (White, etc), Quebec av, Cleveland, O.
Cooledge F. J. & Sons (English), Atlanta, Ga.
Crown Varnish & Enamel Co., 2322 N Seeley av, Chicago, Ill.
Davis H. B. Co., Bayard & Severn, Baltimore, Md.
Day Jas. B. & Co., 214 W Ohio, Chicago, Ill.
Denny, Hilborn & Rosenbach, 230 N 12th, Phila., Pa.
Du Pont Chemical Wks., Wilmington, Del.
Du Pont (E. I.) De Nemours & Co. (Architectural & Industrial), Paint & Varnish Sales Div., Wilmington, Del.
Eagle Paint & Varnish Co. (Sanitara White), 225 Galveston, Pittsburgh, Pa.
Ernecke & Salmstein Co. ("Ernsalin" Paint for Walls & Ceilings), 944 W North av, Chicago, Ill.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Flint Varnish & Color Works, Flint, Mich.
Flood & Conklin Co. ("Vitrawite"), 132 Chestnut, Newark, N. J.
Forest City Paint & Varnish Co. (All Kinds), 3334 Lakeside av, Cleveland, Ohio
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gem Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
Gerstendorfer Bros. ("Sapolin"), 221 E 42nd, New York
Glidden Co., Madison av & Berea rd, Cleveland, O.
Gimbel Geo. & Co., Inc., 24 Stone, New York
Goheen Corp. ("Enamelette"), 25 W 43rd, New York
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Hetzel J. G. (Est. of), 67 Main, Newark, N. J.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Jenkins Paint & Oil Co. ("Merrimac"), Norfolk, Va.
Lancaster Paint & Glass Co., Lancaster, Pa.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Leggett & Bro., 301 Pearl, New York
Lincoln Paint & Color Co. ("Lancaster" & "Paragon"), Lincoln, Neb.
Lloyd W. H. S. Co. (Imp), English, "Paripan," 105 W 40th, New York
Lucas John & Co. ("Lucaseal," Outside & Inside), 322 Race, Phila., Pa.
Martin-Senour Paint Co., 2520 Quarry, Chicago, Ill.
Mayer & Loewenstein, 164 Water, New York
Miller & Graham, 21 S Gay, Baltimore, Md.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Newark Varnish Works ("White Copal"), 111 Delancey, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Northwestern Chemical Co. ("Brass Kote," "Never Burn"), Marietta, O.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.

ENAMELS—continued
O'Connor & Schweers Paint Co., Augusta, Ga.
**Parker Chas. H. Co. (Wire Fence), Valparaiso, Ind.**
*See adv index at end of book*


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Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
**Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.**
Phoenix Paint & Varnish Co. (Marbleite), **124 Market, Phila., Pa.**
**Pratt & Lambert ("Vitralite," White), Buffalo, N. Y.**
**Remien & Kuhnert Co., 63 W Grand av, Chicago, Ill.**
Richmond Bros., 616 Main, Cincinnati, O.
**Rinald Bros. (Porcelain, etc), 1142 N Hancock, Phila., Pa.**
Rosenbush & Solomon, Inc., 23 S Desplaines, Chicago, Ill.
Schlegel Oscar Mfg. Co., 124 E 13th, New York
**Smith Edw. & Co. ("Esco," "Rex," "Matte," "White"), 127 West av, Long Island City, N. Y.**
Standard Paint & Lead Wks., Cleveland, Ohio
Standard Varnish Wks. ("Calova," "Kwickwork," "Satinette"), 90 West, New York
Thompson Thos. C. (Vitrifiable for Use on Copper & Iron), Wilmette, Ill.
**THOMSON WOOD FINISHING CO.,** ("Porcelite"), 329 N 3rd, Phila., Pa.
*See adv index at end of book*
**Toch Bros., 320 5th av, New York**
United Varnish Company, 248 Green, Long Island City, N. Y.
**U. S. Gutta Percha Paint Co. ("Chinaline" for Interior Finish), 12-30 Dudley, Providence, R. I.**
Vitreous Enamelling Co., Grant av., Cleveland, O. *See adv index at end of book*
**Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.**
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Waterall Wm. & Co., Front & Mechanic, **Phila., Pa.**
Wilhelm A. Co. ("Royaluxe"), Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 4304— Enamels (Air Drying)

Arnstein Eugene, 45 W 26th, Chicago, Ill.
California Paint Co., Oakland, Cal.
Celluloid Zapon Co., 200 5th av, New York *See adv index at end of book*


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ZAPON Lacquers and Enamels


Day Jas. B. & Co., 214 West Ohio, Chicago, Ill.
**Devoe & Raynolds Co., Inc., 101 Fulton, New York** *See adv index at end of book*

Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
**French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.**
**Hall-Thompson Co. ("Jet-Lac"), Hartford, Conn.**
Hilo Varnish Corp., Marcy & Flushing av, Brooklyn, N. Y.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
**Lawrence W. W. & Co. (Engine Enamel, etc.), W Carson, Pittsburgh, Pa.**
Lincoln Paint & Color Co., Lincoln, Neb.
Lucas John & Co., 322 Race, Phila., Pa.
**Nice Eugene E., 272 So. 2nd, Phila., Pa.**
**Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.**
**Ohmlac Mfg. Co., 140 S Dearborn, Chicago, Ill.**
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Perry-Derrick Varnish Co., 1660 Central Park av, Cincinnati, O.
**Pratt & Lambert Inc., Buffalo, N. Y.**
**Rinald Bros., 1142 N Hancock, Phila., Pa.**
Sherwin-Williams Co., Cleveland, O.
**Standard Varnish Wks., 90 West, New York**
**THOMPSON WOOD FINISHING CO.,** 329 N 3d, Phila., Pa.
*See adv index at end of book*
**U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.**
Wadsworth Howland & Co. ("Bay State"), **141 Federal, Boston, Mass**
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## Enamels (Aluminum)

See Paints, Aluminum & Gold

## 4305—Enamels (Architectural)

**Atlas Paint Co. ("A. P." White), Nashville, Tenn.**
Chicago Varnish Co. ("Flo-White"), 2100 Elston av, Chicago, Ill.
Day Jas. B. & Co., 214 West Ohio, Chicago, Ill.
**Lucas John & Co., 322 Race, Phila., Pa.**
Murphy Varnish Co. (Exterior & Interior White, etc), 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 So 2nd, Phila., Pa.
Valentine & Co. ("Lawson" Exterior & Interior White, etc), **456 4th av, New York**
**Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.**

## 4306— Enamels (Baking)

**Akron Varnish Co., Akron, O.**
**American Enamel Co., Providence, R. I.**
**American Graphite Co., Cleveland, O.**
Arlington Mfg. Co., Canton, O.
Arnstein Eugene, 45 W 26th, Chicago, Ill.
Benoit Company A. ("Permatex"), Jerome av, Brooklyn, N. Y.
**Boston Varnish Co. ("Black Dazzle"), Everett Station, Boston, Mass.**
**Buffalo Oil, Paint & Varnish Co., Buffalo, N. Y.**
California Paint Co., Oakland, Cal.
Chase Roberts & Co. ("Kismet" & "Ozone"), West av, Long Island City, N. Y.
**Clement Coverall Co., Camden, N. J.**
**Condensite Co. of America ("Technical"), Bloomfield, N. J.**
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Essex Varnish Co., 213 McWhorter, Newark, N. J.
**Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.**
Fort Pitt Oil & Paint Co., 3206 Penn av, **Pittsburgh, Pa.**
**French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.**
General Bakelite Co. ("Bakelite"), 2 Rector, New York
Hilo Varnish Co., Marcy & Flushing avs, Brooklyn, N. Y.
**IMPERVIOUS VARNISH CO.,** 421 Wood, Pittsburgh, Pa.
McDougall Varnish Co., 24 Evans, Buffalo, N. Y.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Mets P. A. Paint Co. ("Besco" & "True"), 769 Clinton, Buffalo, N. Y.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 So 2nd, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Ohmlac Mfg. Co., 140 S Dearborn, Chicago, Ill.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Perry-Derrick Varnish Co. (The), 1660 Central av, Cincinnati, O.
Pratt & Lambert Inc., Buffalo, N. Y.
Rinald Bros., 1142 N Hancock, Phila., Pa.
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Works, 90 West, New York
**THOMSON WOOD FINISHING CO.,** 329 N 3d, Phila., Pa.
*See adv index at end of book*
**Valentine & Co., 456 4th av, New York**
**Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.**
**Wilhelm A. Co., Reading, Pa.**

## 4307— Enamels (Bath Tub)

Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
Arnstein Eugene, 45 W 26th, Chicago, Ill.
Boston Varnish Co. ("Kyanize"), Everett Station, Boston, **Mass.**
**Brown Chas. H. Paint Co. ("Statesman"),** 262 Fulton, Brooklyn, N. Y.
Burdsal A. Co. (Interior Finishing Mill Whites). Factory: Indianapolis, Ind.
Calman Emil & Co. ("Enamolin," White), **100 William, New York**
Continental Products Co., Quebec av, Cleveland, O.
Davis H. B. Co., Bayard & Severiln, Bal-
Day Jas. B. & Co., 214 West Ohio, Chicago, Ill.
Devoe & Reynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Elastic Compound Paint Co. ("Elastic Compound Armature Black"), 5131 Kershaw, Phila., Pa.
**French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.**
Gerstendorfer Bros. ("Sapolin"), **221 E 42d, New York**
**Globe Varnish Co. ("Edgar's"), 6125 Butler, Pittsburgh, Pa.**
**Lawrence W. W. & Co. ("Lawrence," "To Kay"), W Carson, Pittsburgh, Pa.**
Lincoln Paint & Color Co., Lincoln, Neb.
Lucas John & Co., 322 Race, Phila., Pa.
**Masury John W. & Son, 50 Jay, Brooklyn, N. Y.**
**Miller & Graham, 21 S Gay, Baltimore, Md.**
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
**Moser Chas. Co., Cincinnati, O.**
**Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.**
Nice Eugene E., 272 S 2nd, Phila., Pa.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
**Pratt & Lambert (Inc.), ("Vitralite"), Buffalo, N. Y.**
Richmond Bros., 616 Main, Cincinnati, O.
**Rinald Bros., 1142 N Hancock, Phila., Pa.**
Standard Varnish Wks., 90 West, New York
St. Paul White Lead & Oil Co., Water & **Starkey, St. Paul, Minn.**
Shaffer Color & Varnish Corp., Hoboken, N. J.
**Sherwin-Williams Co., Cleveland, O.**
**Smith Edw. & Co., 127 W av, Long Island City, N. Y.**
**THOMSON WOOD FINISHING CO.,** 329 N. 3rd, Phila., Pa.
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**U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.**
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
**Wilhelm A. Co., Reading, Pa.**

## 4308— Enamels (Brewers')

**French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.**
**Dehls & Stein, Inc. (Black Tank), 239 South, Newark, N. J.**
**Gimbel Geo. & Co., Inc., 24 Stone, New York**
**Hamrick Tank & Barrel Hard Shell Enameling Co., 5831 Wissahickon av., Phila., Pa.**
Hilo Varnish Co., Marcy & Flushing avs, Brooklyn, N. Y.
**Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.**
**Lucas John & Co., 322 Race, Phila., Pa.**
**Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.**

Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Pratt & Lambert, Buffalo, N. Y.
Rinald Bros., 1142 N Hancock, Phila., Pa.
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Wks., 90 West, New York
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Wadsworth, Howland Co. ("Bay State"), 141 Federal, Boston, Mass.
Wilhelm A. Co., Reading, Pa.

## 4309-10— Enamels (Flat)

Chicago Varnish Co. ("Eggshell-White"), 2100 Elston av, Chicago, Ill.
Pecora Paint Co., 4th & Sedgley av, Phila, Pa.
Rinald Bros., 1142 N Hancock, Phila., Pa.
Standard Varnish Wks., 90 West, New York
Wadsworth, Howland Co. ("Bay State"), 141 Federal, Boston, Mass.

## Enamels (Gold)

See Paints, Aluminum & Gold

## Enamels (Iron)

See Enamels, Baking; Enamels, Stove Pipe; Paints for Coating & Preserving Iron & Steel

## 4311—Enamels (Locomotive, Truck & Car)

Lucas John & Co., 322 Race, Phila., Pa.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 So 2nd, Phila., Pa.
**PARKER C. H. CO.**, Valparaiso, Ind.
*See adv index at end of book*
Patton Paint Co., Milwaukee, Wis.
Standard Varnish Wks., 90 West, New York
St. Louis Surfacer & Paint Co., Arlington & Terminal Belt Line, St. Louis, Mo.
Wadsworth, Howland & Co. ("Bay State") 141 Federal, Boston, Mass.

## 4312— Enamels (Porcelain)

Day, Jas. B. & Co., 214 West Ohio, Chicago, Ill.
Rinald Bros., 1142 N Hancock, Phila., Pa.

## 4312a—*Enamels (Pyroxylin, Wood & Metal)

Celluloid Zapon Co., 200 5th av, New York *See adv index at end of book*


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ZAPON Lacquers and Enamels


## 4313— Enamels (Radiator)

American Enamel Co., Providence, R. I.
Arnstein Eugene, 45 W 26th, Chicago, Ill.
Brown Chas. H. Paint Co. ("Statesman"), 262 Fulton, Brooklyn, N. Y.
Davis H. B. Co., Bayard & Severn, Baltimore, Md.
Day, Jas. B. & Co., 214 West Ohio, Chicago, Ill.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.
Gerstendorfer Bros., 221 E 42d, New York
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lucas John & Co., 322 Race, Phila., Pa.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nice Eugene E., 272 So 2nd, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclair av, Chicago, Ill.
O'Brien Varnish Co., South Bend, Ind.
Pecora Paint Co., 4th & Sedgley av, Philadelphia, Pa.
Pratt & Lambert (Inc.), Buffalo, N. Y.
Richmond Bros., 616 Main, Cincinnati, O.
Rinald Bros., 1142 N Hancock, Phila., Pa.
Standard Varnish Wks., 90 West, New York
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Sherwin-Williams Co., Cleveland, O.
Wadsworth, Howland & Co. ("Bay State") 141 Federal, Boston, Mass.
Wilhelm A. Co., Reading, Pa.

## 4314—Enamels (Storage Battery)

Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Lucas John & Co., 322 Race, Phila., Pa.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Sherwin-Williams Co. ("S.-W." Insulating), Cleveland, O.
Standard Varnish Wks., 90 West, New York
Sonneborn L. Sons, 262 Pearl, New York

## 4315— Enamels (Stove Pipe)

American Enamel Co., Providence, R. I.
Black Silk Stove Polish Works, Sterling, Ill.
Boston Varnish Co., Everett Station, Boston, Mass.
Brown Chas. H. Paint Co. ("Statesman"), 262 Fulton, Brooklyn, N. Y.
Cambria Paint & Color Co. (Ltd.) ("Black Boy"), Johnstown, Pa.
Certain-teed Products Co., St. Louis, Mo.
Crosby & Co. ("6-5-4"), Ford bldg., Detroit, Mich.
Day, Jas. B. & Co. ("Elston"), 214 West Ohio, Chicago, Ill.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Gerstendorfer Bros., 221 E 42d, New York
Glidden Co. (Protective Black), Madison av & Berea rd, Cleveland, O.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Lucas John & Co., 322 Race, Phila., Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nubian Paint & Varnish Co. ("Bonnell's" "English"), 1856 Leclaire av, Chicago, Ill.
Patton Paint Co., Milwaukee, Wis.
Prince Jas. H. Paint Co., 5 Lancaster, Boston, Mass.
Rath Mfg. Co. ("Pipe Dream"), Hedley E of Richmond, Phila., Pa.
Richmond Bros., 616 Main, Cincinnati, O.
Rinald Bros., 1142 N Hancock, Phila., Pa.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Sherwin-Williams Co., Cleveland, O.
Standard Varnish Wks., 90 West, New York
Wadsworth, Howland & Co. ("Bay State") 141 Federal, Boston, Mass.
Wilhelm A. Co., Reading, Pa.

## 4316—Enamels (Window Screen)

Gerstendorfer Bros. ("Sapolin") 221 E 42d, New York
Impervious Metal Corp., 421 Wood, Pittsburgh, Pa.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N.Y.
Moser Chas. Co., Cincinnati, O.
Nice Eugene E., 272 S 2d, Phila., Pa.
Richmond Bros., 616 Main, Cincinnati, O.
Wadsworth, Howland & Co. ("Bay State") 141 Federal, Boston, Mass.

## 4317—Encasing (Lead Cable)

Robertson John & Co., 133 Water, Brooklyn, N. Y.

## 4318— *End Flights

Jeffrey Mfg. Co., 961 N 4th, Columbus O.
*See adv index at end of book*

## 4319— End (Bolt)

American Equipment Co., Norristown, Pa.
Bayonne Bolt & Nut Co., Bayonne, N. J.
Bethlehem Steel Co., So. Bethleham, Pa.
Bonney Vise & Tool Co., Inc., Allentown, Pa. *See adv index at end of book*
Cambria Steel Co., Widener bldg, Phila., Pa.
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Columbus Bolt Works Co., Columbus, O.
Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill
*See adv index at end of book*
Gary Screw & Bolt Co., Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R.I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Interstate Bridge Forge & Mfg. Co., 207 Market, Newark, N. J.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lake Erie Bolt & Nut Co., ft. of E 63rd, Cleveland, O.
Lamson & Sessions Co., 2188 Sevauton rd, S. W., Cleveland, O.
Larkin, J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lanz M. & Son, 2907 Carson, Pittsburgh, Pa.
Michigan Bolt & Nut Works, ft. of Weldrum, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
New England Bolt Co., Everett, Mass.
Old Dominion Iron Steel Corp., Belle Isle, Richmond, Va.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices, Alphabetical Section*
Reynolds James Mfg. Co., New Haven, Conn.
Rhode Island Tool Co. (With Square Nut), Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Upson Nut Co., Cleveland, O.

## 4320— Ends (Canopy)

Union Forging Co., Union, N. Y.

## 4321— Ends (Car)

Van Dorn Coupler Co. ("Van Dorn" One-Piece Steel), 2325 S Paulina, Chicago, Ill.

## 4322— Ends (Curtain Pole)

Judd H. L. Co., 87 Chambers, New York
Turner & Seymour Mfg. Co. (Brass, etc), Torrington, Conn.

## 4323— Ends (Joint)

Baldwin E. N. (For Carriage Tops), Shelton, Conn.
Union Forging Co., Union, N. Y.

## 4323a—*Ends-Rod (Drop Forged)

Williams J. H. & Co. (Unfinished), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 4324— Ends (Rod & Yoke)

Billings & Spencer Co. (Drop Forged), Hartford, Conn.
Bonney Vise & Tool Works, Allentown, Pa.
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 4325— Ends (Shaft)

Crandal-Stone Division The Brewer-Titchener Corp. ("Pioneer"), Binghamton, N. Y.
Steel Socket Shaft End Co. (Spliced Joint), 1432 E 49th, Cleveland, O.

## 4326—Engine Parts (Aeroplane)

Allegheney Forging Co., Keenan bldg., Pittsburgh, Pa.
Aluminum Castings Co., 2210 Harvard av, Cleveland, O.
Anderson Foundry & Machine Works, Anderson, Ind.
Barcalo Mfg. Co., Buffalo, N.Y.
Burd High Compression Ring Co., 23rd av & 10th, Rockford, Ill.
Crosby Steel Gage & Valve Co., 40 Central, Boston, Mass.
Dallet Thos. T. & Co., Juniper & Federal, Philadelphia, Pa.
Doehler Die Casting Co., 9th & Court, Brooklyn, N. Y.
Erie Specialty Co., 510 W 12th, Erie, Pa.
Gill P. H. & Sons, 2 Lorraine, Brooklyn, N. Y.
Hayes Mrg. Co., Detroit, Mich.
Hydraulic Pressed Steel Co., 3812 E 61st, Cleveland O.
Levett Walker M. Co., 417-421 E 23rd, New York
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pressed Steel Products Co., 50 Church, New York
Standard Parts Co., Edgewater Park, Cleveland, O.
Stimpson Edwin B. Co., 68 Franklin av., Brooklyn, N.Y.
Taft-Pierce Mfg. Co., Woonsocket, R. I.
Tioga Steel & Iron Co., Philadelphia, Pa.
Williams J. H. & Co., Richards, Brooklyn, N. Y.
Wyman-Gordon Co., Worcester, Mass.

## 4327—Engine Shields & Guards

Kraft A. C., 323 W Lake, Chicago, Ill.
Strandwitz & Scott, Camden, N. J.

## 4328—Engine Starters (Automobile)

Bear Mfg. Co., Rock Island, Ill.
Dayton Engng. Laboratories Co. ("Delco" Self-Starter), Dayton, O.
Detroit Starter Co. (For Ford), 32 E Larned, Detroit, Mich.
Eclipse Machine Co. (Automatic Gear Transmission), Elmira, N. Y.
Eisemann Magneto Corp., 32-33rd, Brooklyn, N. Y.
Electric Auto-Lite Co., Toledo, O.
Heinze John O. Co., Springfield, O.
Holt Electric Co. ("Holt" Motors), 379 So Pierce, Milwaukee, Wis.
Lauraine Magneto Co. Inc. ("Lauraine" Impulse), 181-13th, Long Island City, N. Y.
Leece-Neville Co., 5363 Hamilton av, Cleveland, O.
Little Giant Starter Co., Canton, O.
North East Electric Co. (Electric "Universal"), Rochester, N. Y.
Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
Roberson W. Machine & Foundry Co. ("Presto"), 56 Rano, Buffalo, N. Y.
United States Light & Heat Corp. (Electric), Niagara Falls, N. Y.
Wagner Electric Mfg. Co., 6400 Plymouth av, St. Louis, Mo.
Ward Leonard Electric Co. (Dynamos), Mt. Vernon, N. Y.

## 4329—Engine Stops (Speed Limit)

Consolidated Engine Stop Co. ("Monarch," "Corliss," "Columbia"), 133 W. 19th, New York
Falls Machine Co., Sheboygan Falls, Wis.
Ford Thos. P. Co., 407 Broome, New York
Hennebohle Frank, 81st & S. Chicago av, South Chicago, Ill.
*See adv index at end of book*
**LOCKE REGULATOR CO.** ("Locke" Automatic for Steam, Electric & Mechanical), Salem, Mass.
*See adv index at end of book*
Racine Brass & Iron Co. (For Ford Only), Racine, Wis.
Schutte & Koerting Co. ("Schutte" Steam & Electrically Operated), 12th & Thompson, Phila., Pa.
Simplex Mfg. Co. (For Fords), Anderson, Ind.
**SPRINGER & HARGITT** ("Single's" for Corliss Engines), Hamilton, O.
Strong Carlisle & Hammond Co. ("Strong" Automatic Gas or Steam), 336 Frankfort av, N W, Cleveland, O.

## 4330—Engine & Boiler Combined

Byers John F. Machine Co., 242 So. Sycamore, Ravenna, O.
*See adv index at end of book*
Enterprise Co., Columbiana, O.
**ERIE PUMP & ENGINE WORKS, INC.** ("Erie" Side & Center Crank), 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Farquhar A. B. Co. (Ltd.), York, Pa.
Frick Co., Waynesboro, Pa.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Murray Iron Works Co. (Vertical), Burlington, Ia.
Orr & Sembower, Reading, Pa.
Peer Mfg. Co., Comstock, Mich.
Salem Iron Works, Salem, N. C.

## 4331—Engine & Motor Parts

Acklin Stamping Co., 1659 Dorr, Toledo, Ohio *See adv index at end of book*
Detroit Screw Works, 348 Franklin, Detroit, Mich.
**WESTINGHOUSE ELECTRIC & MFG. CO.** East Pittsburgh, Pa.
*See adv index at end of book*

## 4332—Engineering Schools & Colleges

### CALIFORNIA.

BERKELEY—University of California
OAKLAND—Polytechnic College of Engineering, 1310 Madison
Van der Naillen's School of Engineering
PASADENA—Throop College of Technology
SAN FRANCISCO—California School of Mechanical Arts, Folsom & 26th
Cogswell Polytechnic College, 26th & Folsom
St. Ignatius University College
Stanford University Dept. of Engng.
Van der Naillen's School of Engineering, Sheron bldg
SAN LOUIS OBISPO—California Polytechnic School
STANFORD UNIVERSITY—Leland Stanford Jr. University

### CONNECTICUT.

NEW HAVEN—Yale University (Sheffield Scientific School)

### DELAWARE.

NEWARK—Delaware College

### DISTRICT OF COLUMBIA.

WASHINGTON—Catholic University School of Technological Sciences
Howard University, 6th & Howard pl.
George Washington Univ.

### GEORGIA.

ATLANTA—Georgia School of Technology

### ILLINOIS.

CHICAGO—Armour Institute of Technology, 3300 Federal
De Paul University, 1010 Webster
Lewis Institute
Loyola Univ. Engng. Dept.
EVANSTON—Northwestern University
PEORIA—Bradley Polytechnic Institute
URBANA—Univ. of Ill. (College of Engineering)

### INDIANA.

ANGOLA—Tri-State College
INDIANAPOLIS—Winona Technical Institute
LAFAYETTE—Purdue University
NOTRE DAME—University of Notre Dame
RICHMOND—Earlham College
TERRE HAUTE—Rose Polytechnic Institute
VALPARAISO—Valparaiso University

### IOWA.

MOUNT VERNON—Cornell College

### KENTUCKY.

LEXINGTON—University of Kentucky

### LOUISIANA.

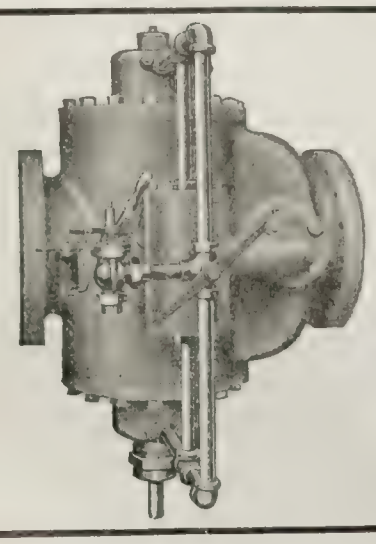
BATON ROUGE—Louisiana State Univ.
NEW ORLEANS—Tulane Univ. of La.
College of Technology, St. Charles av

### MARYLAND.

BALTIMORE—Baltimore Polytechnic Institute, North av, Calvert
John Hopkins Univ., Dept. of Engng., Homewood
NORTH TAKOMA—Bliss School of Electricity.

### MASSACHUSETTS.

AMHERST—Mass. Agricultural College
BOSTON—Hawley School of Engng.
Wentworth Inst.
CAMBRIDGE — Harvard Engineering School
Mass. Institute of Technology
WORCESTER—Worcester Polytechnic Institute



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DETROIT—Detroit Tech. Inst., Adams & Witherell
University of Detroit Engng. Dept., 348 E. Jefferson
HOUGHTON—Michigan College of Mines
LANSING—Michigal State Agricultural College, Engng. Dept.

MINNESOTA.

MINNEAPOLIS—University of Minnesota (School of Mines), S. E. Minneapolis
ST. PAUL—Univ. of Minnesota (Division of Agricultural Engineering), University Farm

MISSOURI.

COLUMBIA—Univ. of Missouri School of Engng.
ROLLA—Missouri School of Mines and Metallurgy
ST. LOUIS—Washington University

MONTANA.

BOZEMAN—Montana State College
BUTTE—Montana State School of Mines

NEW HAMPSHIRE.

HANOVER—Dartmouth College (Prof. Robert Fletcher, Director)
Thayer School of Civil Engng.

NEW JERSEY.

HOBOKEN—Stevens Institute of Technology
NEWARK—Indicator Instruction Co.
Newark Technical School, 367 High
NEW BRUNSWICK—Rutgers College
PRINCETON—Green (John C.) School of Science
Princeton University

NEW YORK.

ALBANY—Union Univ. Engng. School
ITHACA—Cornell University, Sibley College of Mech. Engng.

NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Heffley Institute
Polytechnic Institute, 85 Livingston
Pratt Institute of Science & Technology, 215 Ryerson

Boroughs of Manhattan and Bronx.

NEW YORK—Columbia University, W 116th nr Amsterdam av
Cooper Union, Cooper sq
Hebrew Tech. Inst., 34 Stuyvesant
Manhattan College, 131st & B'way
New York Academy of Science, 77th & Central Pk. West
New York University, University Hts.

**(End of New York City)**

POTSDAM—Clarkson College of Technology
ROCHESTER—Rochester Athenaeum & Mechs. Inst.
SCHENECTADY—Union College
SYRACUSE—Syracuse University
TROY—Rensselaer Polytechnic Institute

OHIO.

ADA—College of Engineering
Ohio Northern Univ.
AKRON—Univ. of Akron
CINCINNATI—Cincinnati Tech. School
Institute of Applied Arts
McDonald Educational Inst., 7th & Walnut
Ohio Mechanics Inst.
University of Cincinnati, Tech. School, Burnet Woods pk
CLEVELAND—Case School of Applied Science, Euclid av, opp. Wade pl
COLUMBUS—Ohio State University
GRANVILLE—Denison University
GREENVILLE—Wayne Technical Inst.
TOLEDO—Toledo Univ. Indus. Science

OREGON.

CORVALLIS—Oregon State Agricultural College
EUGENE—Univ. of Oregon

PENNSYLVANIA.

CHESTER—Penna. Military College
EASTON—Lafayette College
GROVE CITY—Grove City College (Dept. of Mech. & C. E.)
HAVERFORD—Haverford College
LANCASTER—Bowman Technical School
LEWISBURG—Bucknell University (Dept. of C. E.)
MEADVILLE—Allegheny College
PHILADELPHIA — Drexel Institute of Art, Science & Industry, Chestnut & S 32d
Temple Univ.
University of Pa., S 34th c Woodland av
PITTSBURGH—Carnegie Institute of Technology, Schenely Pk
University of Pittsburgh, Grant blvd & Parkman
SOUTH BETHLEHEM—Lehigh University
STATE COLLEGE—Penna. State College
SWARTHMORE—Swarthmore College
VILLANOVA—Villanova Coll. of Technology

RHODE ISLAND.

PROVIDENCE—Brown University, Prospect

SOUTH DAKOTA.

BROOKINGS—So. Dakota State College
RAPID CITY—State College of Mines

TENNESSEE.

KNOXVILLE—University of Tennessee
MEMPHIS—Moore (Wm. R.) College of Technology
NASHVILLE—Vanderbilt University
SEWANEE—University of the South

VERMONT.

BURLINGTON—University of Vermont & State Agricultural College

WASHINGTON.

PULLMAN—State College of Washington, College of Mechanical Arts & Engng.
SEATTLE—University of Washington, Dept. of Elec. Engng.

WISCONSIN.

MADISON—University of Wisconsin, College of Mechanics & Engg.
MILWAUKEE—Marquette Univ. Coll. Applied Science & Engng.

## 4333—Engineering & Surveying Instruments

Ainsworth Wm. & Sons, Denver, Colo.
Aloe A. S. Co., 513 Olive, St. Louis, Mo.
Anderson Supply Co., Seattle, Wash.
Architects & Engineers Supply Co., 913 Grand av, Kansas City, Mo.
Bausch & Lomb Optical Co., Rochester, N. Y
Beckman L. Co., 1003 Jackson, Toledo, O.
**BERGER C. L. & SONS,** 37 Williams, Boston, Mass.
Brandis & Sons Mfg. Co., 754 Lexington W., Brooklyn, N. Y.
Buff & Buff Mfg. Co., 98 Green, Jamaica Plain, Boston, Mass.
Cleveland Metal Stamping Co., Cleveland, O.
Cole H. Co., 68 E Gay, Columbus, O.
Crofoot Nielsen & Co., 172 W Washington, Chicago, Ill. *See adv index at end of book*
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Dodd Co., 1936 E 6th, Cleveland, O.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa. *See adv index at end of book*
Fielder & Allen Co. (Dealers), Atlanta, Ga.
Fink Instrument Co., 804 Pine, St. Louis, Mo.
Frost & Adams Co., 25-29 Arch, Boston, Mass.
Geier & Bluhm, Troy, N. Y.
Gurley W & L. E., Troy, N. Y.
**HELLER & BRIGHTLY,** Dept. H, 1122 Spring Garden, Phila., Pa.
Holmes J. W., Batavia, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Kolesch & Co., 138 Fulton, New York
Kurtz, Langbein & Swartz, 535 Wood, Pittsburgh, Pa.
Lallie Surveying Instruments & Supply Co., Denver, Colo.
Ledder & Probst, 21 Pearl, Boston, Mass.
Lietz A. Co., 61 Post, San Francisco, Cal.
Lowman & Hanford Co. (Dealers), Seattle, Wash.
Makepeace B. L., 387 Washington, Boston, Mass.
New York Blue Print Paper Co., 102 Reade, New York
Peasc C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
*See adv index at end of book*
Pennsylvania Instrument Co., 618 Chestnut, Phila., Pa.
*See adv index at end of book*

**Pennsylvania Instrument Company**
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Post Fred'k Co., 3635 S Clark, Chicago, Ill.
Prince L. M. Co., 108 W 4th, Cincinnati, O.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Randolph T. F. Co., 238 E 5th, Cincinnati, O.
Seelig R. & Son (Mfrs.), 231 N 5th av, Chicago, Ill.
Ulmer J. C. Co., E 38th & Kelly, Cleveland, O.
United States Blue Print Paper Co., 327 S La Salle, Chicago, Ill.
Warren-Knight Co. ("Sterling"), 136 N 12th, Phila., Pa.
Weber F. & Co., 1220 Buttonwood, Phila., Pa., also St. Louis, Mo., & Baltimore, Md.
White David Co., 419 E Water, Milwaukee, Wis.
Williams, Brown & Earle, 918 Chestnut, Phila., Pa.
Wissler A., B'way & Wash av, St. Louis, Mo.
Young & Sons (Mfrs.), 43 N 7th, Phila., Pa.

## 4333a—Engines (Aeronautical)

**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*

## 4334—Engineers (Architectural & Structural Consulting)

Allen & Garcia Co., 21 E Van Buren, Chicago, Ill.
American Industrial & Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Andrews Engineering Co., Bessemer bldg. Pittsburgh, Pa.
Averill F. L., Library of Congress, Washington, D. C.
Baxter A. E. Engineering & Appraisal Co., Buffalo, N. Y.
Bird Thos. J., 103 Park av, New York
Black Hawk Construction Co., Waterloo, Ia.
Brabant, Gifford (Structural), 2717 N Kedzie av, Chicago, Ill.
Cannon-Swenson Co., 53 W Jackson blvd, Chicago, Ill.
Chase Frank D., Inc., 645 N Michigan av, Chicago, Ill. *See adv index at end of book*
Condron Co., Monadnock bldg, Chicago, Ill.
Daly M. J. & Sons (Power Plants, Heating & Ventilating), Waterbury, Conn.
Day & Zimmermann, Inc., 611 Chestnut, Philadelphia, Pa.
Duff Samuel E. (Bridge Designers), Pittsburgh, Pa.
Electro-Chemical Supply & Engng. Co., 21 So. 12th, Phila., Pa.
Ferguson John W. Co., 253 Broadway, New York
Fleisher W. L. & Co., Inc., 31 Union sq, New York
Follwell-Ahlskoy Co. (Concrete Reinforced), McCormick bldg, Chicago, Ill.

ENGINEERS (ARCHITECTURAL & STRUCTURAL CONSULTING)—cont.
Freeland & Klyce Engineering Co., 65 Life & Casualty, Nashville, Tenn.
Gilmore A. L. (Structural), Binghamton, N. Y.
**Glafey F. A.**, Keenan bldg, **Pittsburgh, Pa.**
Hansen A. E. (Water Supply & Purification Trade & Industrial Wastes Treatment Sewage Disposal), 2 Rector, New York
Graff Engineering Corp., 150 Nassau
Green Samuel M. Co., Springfield, Mass.
**Hill Geo., 31 E 27th, New York**
**Hoag D. F. & Co.** (Designing & Construction), Com. Exchange bldg, Minneapolis, Minn.
Hughes-Foulkrod Co., Oliver bldg, Pittsburgh, Pa.
Industrial Furnace Corp. (Heat Treating), 10 Post Office sq, Boston, Mass.
**LAKESIDE BRIDGE & STEEL CO.** (We design, fabricate and erect all types of Steel Construction, Railroad Bridges, Mill, Mine and Factory Buildings of every description), No. Milwaukee, Wis.
*See adv index at end of book*
Laughlin Alex & Co., Pittsburgh, Pa.
**Lietz A. Co., 61 Post, San Francisco, Cal.**
**Lowinson Oscar, 5 W. 31st, New York**
**Lucius Engineering Co. (Designers & Erectors), Hartje bldg, Pittsburgh, Pa.**
Lund, Jas. B., 19 S La Salle, Chicago, Ill.
**Luten Daniel B.** (Designing of Reinforced Concrete Bridges), Indianapolis, Ind.
Main Thos. B., Stephen Girard bldg, Phila., Pa.
Meads Chas. & Co., 38 Park pl, New York
**Modjeski Ralph (Designing, Inspection & Construction of Bridges, Viaducts, Trestles, etc), 220 S Michigan av, Chicago, Ill.**
Morse Edwin K., 316 Fourth av, Pittsburgh, Pa.
Newlands Sanitary Laboratory (For Water Filtration & Sewage Disposal), 111 Laurel, Hartford, Conn.
Osborn Engineering Co., 2848 Prospect av, Cleveland, O.
Packers Architectural & Engineering Co., Packing House, 431 S Dearborn, Chicago, Ill.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Price T. W. Engineering Co. (Industrial Plants), 233 B'way, New York
Process Engineers, Ltd., 501 Fifth av, New York
Purdy & Henderson, 45 E 17th, New York & 106 S Michigan av, Chicago, Ill.
Raque Philip E. (Consulting), 132 Nassau, New York
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**Roberts Frank C. & Co., Real Estate Trust bldg, Phila., Pa.**
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Spellman Jos. R., 300 W 121st, New York
**Stebbings W. L., Monadnock blk, Chicago, Ill.**
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## 4335—Engineers (Cement Plants)

**Freeborn F. W. Engng. Const. Co., Rialto bldg, Kansas City, Mo.**
**Fuller Engineering Co., Allentown, Pa.**
Osborn Engineering Co., Cleveland, O.
Smidth F. L. & Co., 50 Church, New York
Spackman Henry S. Engineering Co., 2024 Arch, Phila., Pa.

## 4336— Engineers (Chemical)

**See also Laboratories, Testing**

Andrews Engineering Co., Bessemer bldg, Pittsburgh, Pa.
Booth, Garrett & Blair, 404 Locust, Phila., Pa.
**Bowman Walker (Consulting & Expert Advice), 39 Cortlandt, New York**
**Burgess C. F. Laboratories, Madison, Wis.**
Burgess & Long, Columbus Savings & Trust bldg, Columbus, O.
**Carmichael Henry, 88 Broad, Boston, Mass.**
Colwell Lewis, 25 E Jackson, Chicago, Ill.
**Davis Geo. C., 39 S 10th, Phila., Pa.**
Deavitt Laboratories, 209 S La Salle, Chicago, Ill.
**Dow & Smith (Consulting), 133 E 23rd, New York**
Electro-Chemical Supply & Engn. Co., 21 So 12th Phila., Pa.
Elmore G. H., Colonial Trust bldg, Phila., Pa.
Emory & Eisenbrey, Harrison bldg., Phila., Pa.
Fleisher W. L. & Co., Inc., 31 Union sq. New York
Flood Walter H., 22 Quincy av, Chicago, Ill.
**Fuller Engineering Co. (Designing & Constructing), Allentown, Pa.**
**Garrigues Com. & Co., 154 Nassau, New York & Chicago, Ill.**
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Green Samuel M. Co., Springfield, Mass.
Hamlin & Morrison, 119 S. 4th, Phila., Pa.
Holz & Co., Inc., 18 Madison av, New York
*See adv index at end of book*
Kalbperry Corpn. (Consulting & Designing), 31 Union sq, New York
Kansas City Testing Laboratory, Kansas City, Mo.
Laucks L. F., Inc., 99 Marion, Seattle, Wash.
Little Arthur D., Inc., 30 Charles River, Boston, Mass.
Meade Richard K. & Co., 11 E Fayette, Baltimore, Md.
Moore Engineeering Co., Hagerstown, Md.
Moses, Pope & Messer, 366 5th Av., New York.
Pittsburgh Testing Laboratory, 616 Grant, Pittsburgh, Pa.
Process Engineering Co., Penna. bldg,
**Freeland & Klyce Engineering Co., 65 Life** Phila., Pa.
Ricketts & Co., 280 Madison av, New York
**Sadtler Sam'l P. & Son, 210 S 13th, Phila., Pa.**
Schmatolla Ernst, 217 B'way, New York
Sherman Herbert L., 12 Pearl, Boston, Mass.
Smith, Emery & Co., 651 Howard, San Francisco, Cal.
Sauther Henry Engng. Corp., 111 Laurel, Hartford, Conn.
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## 4337— *Engineers (Civil)

**Alvord & Burdick** (Consulting), S Dearborn, Chicago, Ill.
**CHICAGO BRIDGE & IRON WORKS**, 2105 Old Colony bldg, Chicago, Ill.
***For branch offices see adv index at end of book***
Ferguson J. B. & Co. (Consulting), Hagerstown, Md.
Freeland & Klyce Engng. Co., Independence Life bldg, Nashville, Tenn.
**KEITH HERBERT CO.** (Consulting), 13 Park row, New York
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Osborn Engineering Co., 2848 Prospect av, S E, Cleveland, O.
**PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.**
*See adv index at end of book*
Pollock & Tabor (Consulting), Park Row bldg, New York
Wright Percy E. Engng. Co., L. C. Smith bldg, Seattle, Wash.

## 4338— Engineers (Combustion)

Anthony Co., 138 West av, Long Island City, N. Y.
Boiler Efficiency Engineers, Manhattan bldg, Chicago, Ill.
*See adv index at end of book*
Hagan Geo. J. Co., Peoples Bank bldg, Pittsburgh, Pa.
**ROBERTS C. B. ENGINEERING CO.**, 19 Milk, Boston, Mass.
Burke Engineering Co. (Consulting), 49 Westminster, Providence, R. I.
Schmatolla Ernst, 17 B'way New York
Surface Combustion Co., 366 Gerard av, New York

## Engineers (Concrete Reinforced)

**See Concrete Steel Construction, Reinforced**

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*See adv index at end of book*

## 4338b— *Engineers (Dairy)

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## 4339— Engineers (Efficiency)

Cathrae John H. & Son, Marquette bldg., Chicago, Ill.
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Estes L. V., Inc., 202 S State, Chicago, Ill.
Green Samuel M. Co., Springfield, Mass.
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Jaquith Machinery Bureau, Inc., 144 Pearl, Boston, Mass.
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th, New York
*See adv index at end of book*
Miller Franklin Bassett & Co., 347 Madison av, New York
Morrison Jos. E. Co., Penobscot bldg, Detroit, Mich.
Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.

## 4339a—*Engineers, (Industrial)

Chase Frank D., Inc., 645 N Michigan av, Chicago, Ill. *See adv index at end of book*

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## 4340—Engineers (Inspecting & Testing)

**See also Laboratories, Testing**

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Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
**American Bureau of Inspections & Tests, Monadnock blk, Chicago, Ill.**
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Green Samuel M. Co., Springfield, Mass.
Gulick-Henderson Co., 21 Park Row, New York, & 525 3rd av, Pittsburgh, Pa.
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**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th, New York
*See adv index at end of book*
Modjeski & Angler, New Era bldg & Orchestra bldg, Chicago, Ill.
**Noble R. E. & Co., 785 Market, San Francisco, Cal.**
Pittsburgh Testing Laboratory, 616 Grant, Pittsburgh, Pa.

Shoemaker F. A. (Consulting, etc.), Builders Exchange, Buffalo, N. Y.
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## Engineers (Marine)

See Architects, Naval

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**Central Machine Wks., 1911 N. 12th, St. Louis, Mo.**
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**GRISCOM-RUSSELL CO.** (Consulting & Contracting), 92 West, New York, & Massillon, O. *See adv index at end of book*
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Security Tool Works, 115 S Clinton, Chicago, Ill.
Souther Henry Engng. Corp. (Consulting), 111 Laurel, Hartford, Conn.
Stierlin Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Twin-O-Matic Machine & Tool Co., Inc., 160 John, Brooklyn, N. Y.
*See adv index at end of book*
Vaughn Machinery Co. (Wire, Rubber & Fire-Weld Chain Equipment), Cuyahoga Falls, O.
*See adv index at end of book*
Watson Engng. Co., Hippodrome bldg, Cleveland, O.
Worcester Richard H., Honolulu, T. H.
Wright, Percy E. Engng. Co., L. C. Smith bldg, Seattle, Wash.

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**Bierbaum-Dollar, Buffalo, N. Y.**
Bradley Chas. S. & Sons, 39 W 38th, New York
**Brodie Walter M., 49 Cedar, New York.**
**Carmichael Henry, 88 Broad, Boston, Mass.**
**Constant C. L. Co. (Consulting), 42 New, New York**
**Detroit Testing Laboratory, 674 Woodward, Detroit, Mich.**
Dorr Co. (Specialty, Cyandiation), Denver, Colo.
**Dwight & Lloyd Metallurgical Co., 29 B'way, New York**
Falkenburg & Co., 116 Yesler Way, Seattle, Wash.
**Gulick-Henderson Co., 145 W 36th, New York**
**Hanson Henry, 85 2nd, San Francisco, Cal.**
**Hollis H. L., 122 S Michigan av, Chicago, Ill.**
Holz & Co., Inc., 18 Madison av, New York
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**Indiana Laboratories Co., Inc., Hammond, Ind.**
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
Kalbperry Corp., 31 Union sq, New York
**Kirby Edmund B., Security bldg, St. Louis, Mo.**
**Knox & Allen (Consulting), 17 Madison av, New York**
Laucks F. F., Inc., 99 Marion, Seattle, Wash.
**Long Fred H. (Consulting), 29 S La Salle, Chicago, Ill.**
**Merrill Metallurgical Co., 121 2d, San Francisco, Cal.**
Olcott & Corning, 36 Wall, New York
**Oliver Edwin L., 503 Market, San Francisco, Cal.**
**Packard Geo. A., 50 Congress, Boston, Mass.**
**Peters Edw. D., 38 Percival, Boston, Mass.**
**Richardson Research Laboratory (Precious Metals), Sloan bldg, Cleveland, Ohio**
Ricketts & Co., 280 Madison av, New York
**St. Louis Sampling & Testing Works, 713 Clark av, St. Louis, Mo.**
**Sauveur & Boylston (Metallurgy of Iron & Steel), Cambridge, Mass.**
Schmatolla Ernst, 217 B'way, New York
**Simmonds E. H., Crocker bldg., San Francisco, Cal.**
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**Souther Henry Eng. Corp. (Consulting), 111 Laurel, Hartford, Conn.**
Southwestern Engineering Co. (Mining), 606 S Hill, Los Angeles, Cal.
**Spilsbury E. Gylbon Engineering Co. (Consulting), 45 B'way, New York**
**Tropenas Converter Co. (Consulting), 2243** Nostrand av, Brooklyn, N. Y.

## 4343— Engineers (Mill)

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American Industrial & Engineering Co., 53 W Jackson blvd, Chicago, Ill.
American Machine & Mfg. Co. (Cotton Seed & Vegetable Oil), Atlanta, Ga.
**Baxter A. E. Engineering & Appraisal Co. (Flour & Cereal Mill Const.), Buffalo,** N. Y.
Brabant Gifford, 2717 N Kedzie av, Chicago, Ill.
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**Carey James L., 208 N Laramie av, Chicago, Ill.**
Case Willard Co., 17 Battery pl, New York
Chapman C. A., 28 Jackson blvd, E, Chicago, Ill.
Chase Frank D., Inc., 645 N Michigan av, Chicago, Ill. *See adv index at end of book*
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Ferguson Hardy S. (Consulting), 200 5th Ave., New York.
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Fletcher Thompson, Inc., Bridgeport, Conn.
Furman-Fisher Corp., 32 Church, New York
*See adv index at end of book*
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Hardy Geo. F. (Paper Mills, etc), 309 B'way, New York
Hooper-Falkenau Engng. Co., 103 Park av, New York
Hutchens Edward (Rubber), 866 Superior, Milwaukee, Wis.
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Kimball F. J. Co., 1860 E 15th, Los Angeles, Cal.
Kimball Herbert S. (Rubber & Paper Mills, etc), 111 Devonshire, Boston, Mass.
Kitfield Edw. H., 85 Waters, Boston, Mass.
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Knoeppel C. E. & Co., Inc., 6 E 39th, New York
Lane H. M. Co. (Consulting), Owen bldg, Detroit, Mich.
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Meade Richard E. & Co., 11 E Fayette, Baltimore, Md.
Mortensen & Co., 405 Lexington av, New York
**Newhall Engineering Co. (Paper & Pulp Mills, Sugar Refineries, Cement Plants, etc.), 149 B'way, New York**
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**Osborn Engineering Co., 2848 Prospect av, Cleveland, O.**
**Peuckert & Wunder, 310 Chestnut, Phila., Pa.**
Potter Alexander, 50 Church, New York
**Praray Chas. W., Times bldg., New Bedford, Mass.**
**Read-Dresser Engng. Co., 149 B'way, New York**
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## 4344—Engineers (Modernizing)

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Bierbaum-Dollar, Inc., Buffalo, N. Y.
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Waldron F. A., 37 Wall, New York

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*See adv index at end of book*

## 4345— Engineers (Pipe Mill)

**Taylor-Wilson Mfg. Co., McKees Rocks,** Pa.

## 4345a—Engineers (Production)

**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
Knoeppel C. E. & Co., Inc., 6 E 39th, New York

## 4345b— *Engineers (Radio)

Cutting & Washington Radio Corp., 6 & 8 W 48th, New York
*See adv index at end of book*

## 4346—Engineers (Refrigeration)

Armstrong Machinery Co., Spokane, Wash.
*See adv index at end of book*
Comstock C. B., 110 W 40th, New York
Cooper Madison Co. ("Cooper" System), Calcium, N. Y.
Hastings Industrial Co., 326 W Madison, Chicago, Ill.
Hettinger C. F. & Co., Boston, Mass.
Jarvis Engineering Co., 261 Franklin, Boston, Mass.
Johns-Manville H. W. Co., Madison av & 41st, New York
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Lapham John G. Engineering Co., 30 Church, New York
McInnes, Chas. E. & Co., Mariner & Merchants bldg, Phila., Pa.
Refrigeration Engineering Co., Toledo, O.
Starr Engineering Co., 90 West, New York
Tait & Nordmeyer Eng. Co., International Life bldg, St. Louis, Mo.

## Engineers (Reinforced Concrete)

**See Concrete Steel Construction, Reinforced**

## 4346a—*Engineers (Rock Products)

**SCHAFFER ENGINEERING & EQUIPMENT CO.,** The, Peoples Bank bldg., Pittsburgh, Pa.
*See adv index at end of book*

## 4346b—Engineers (Rubber Plant)

Osborn Engng. Co., 2848 Prospect av., Cleveland, O.

## 4346c— Engineers (Sanitary)

Alvord & Burdick, 8 S Dearborn, Chicago, Ill.
Daly M. J. & Sons, Waterbury, Conn.
Newlands Sanitary Laboratory, Hartford, Conn.
Taylor Henry W., 154 Nassau, New York

## 4346d— *Engineers' Supplies

**VINCENT GEO.** (Mfr. Victory Vellum Tracing Paper), 422 E 53d, New York.

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## Engines (Aerial Navigation)

See Engines, Airplane.

## 4347— Engines (Aeroplane)

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Burgess Co., Marblehead, Mass.
Burgess W. Starling Co. (Ltd.), Marblehead, Mass.
Cleveland Aero Motor Co., Cleveland, O.
Curtiss Aeroplane & Motor Corp., Buffalo, N. Y.
Dayton Aero Motors Co., Dayton, O.
General Ordnance Co., Derby, Conn.
General Vehicle Co. (G. V. Gnome), Long Island City, N. Y.
Gyro Motor Co., 744 Girard, N W, Washington, D. C.
Hall-Scott Motor Co., Inc. (Type A-7a 100 H. P.), Crocker bldg, San Francisco, Cal.
Harriman Motors Co., South Glastonbury, Conn.
Hettinger Engine Co., Bridgeton, N. J.
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Kemp Machine Works, Muncie, Ind.
Knox Motors Co., Springfield, Mass.
Maximotor Co., 1530 Jefferson Ave. E, Detroit, Mich.
Nichols & Wright Motor Co., Buffalo, N. Y.
Ordnance Engng. Corp., Equitable bldg., New York.
Packard Motor Car Co., Detroit, Mich.
Roberts Motor Co., Sandusky, O.
Rolls Royce, Ltd., 785 Fifth av, New York
Steel Products Engng. Co., Springfield, O.
Sterling Engine Co., Buffalo, N. Y.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Thomas-Morse Aircraft Corp., Ithaca, N. Y.
Trego Motors Corp., New Haven, Conn.
Union Gas Engine Co., Oakland, Cal.
United Eastern Aeroplane Corp., 1253 De Kalb Av., Brooklyn, N. Y.
Williams J. H. & Co. (Forgings), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Wisconsin Motor Mfg. Co., Milwaukee, Wis.
Willis Corp., 11 Pine, New York
Willys-Overland Co., Toledo, O.
Worlds Motor Co., Bloomington, Ill.
Wright-Martin Aircraft Corp., New Brunswick, N. J.

## 4348— Engines (Alcohol)

Challenge Co., Batavia, Ill.
Charter Gas Engine Co., Sterling, Ill.
Detroit Engine Work (2 to 20 H. P.), Kercheval & Connors, Detroit, Mich.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
International Harvester Company of America (Inc.) ("International"), Harvester bldg, Chicago, Ill.
Lauson-Lawton Co., De Pere, Wis.
New Way Motor Co. ("New Way" Air Cooled), Lansing, Mich.
Otto Engine Mfg. Co., 33d & Walnut, Phila., Pa.
Standard Motor Construction Co., Jersey City, N. J.
Wadsworth Mfg. Co. ("Sandow" 2 to 20 H.P.), Kerchevl & Connors, Detroit, Mich.
Willard-Middletown Machine Co., Covington, Ky.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## Engines (Artesian Well)

See Pumps, Artesian Well

## Engines (Automatic)

See Engines, Steam, with the word "Automatic," etc, following Name

## 4349— Engines (Automobile)

American & British Mfg. Co., Charles, Providence, R. I.
Auto Engine Works (Gasoline), University & Griggs, St. Paul, Minn.
Bay State Motor Works (Gasoline), Holyoke, Mass.
Beaver Mfg. Co. ("Beaver," Gasoline), 1st & Oklahoma av, Milwaukee, Wis.
Boss Knitting Machine Works (Steam), Reading, Pa.
**Brennan Motor Mfg. Co. (Gasoline),** Syracuse, N. Y.
Buffalo Gasoline Motor Co., Buffalo, N. Y.
Chadwick Engineering Works ("Chadwick," Gasoline), Pottstown, Pa.
Clark Edw. S. (Steam), Boston, Mass.
Clinton Walter R., West Haven, Conn.
Continental Motor Mfg. Co. (Gas), Muskegon, Mich.
**Cushman Motor Works (For Railways),** Lincoln, Neb.
Davis Mfg. Co., Milwaukee, Wis.
Driggs Ordnance & Mfg. Corp., New Haven, Conn.
Falls Motors Corp., Sheboygan Falls, Wis.
Forsyth W. & Sons Co. (Gasoline), Lynn, Mass.
Gemmer Mfg. Co., 741 Merrick, Detroit, Mich.
Hatcher Auto Parts Co. (Gasoline), Cleveland, O.
Hercules Motor Mfg. Co., Canton, O.
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Hoosier Motor Co., Goshen, Ind.
Hubbard Motor Co., Middletown, Conn.
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Lamson E. F. (Gasoline), Abington, Mass.
Le Roi Co., Mitchell st & 60th av, Milwaukee, Wis.
Lewis Motor Manufacturing Co., Fostoria, Ohio
**Lycoming Foundry & Machine Co. ("Lycoming" Gasoline), Williamsport, Pa.**
Midwest Engine Co., Indianapolis, Ind.
Miller Engine & Foundry Wks. (High Speed for Racing Cars, "Miller"), 2652 Long Beach av, Los Angeles, Cal.
Mitchell Motors Co., Inc., ("Mitchell" Gasoline), Racine, Wis.
Neustadt Auto & Supply Co. (Gasoline & Steam), 3200 Locust, St. Louis, Mo.
Nichols & Wright Motor Co., Buffalo, N. Y.
Northway Motor & Mfg. Co. (Gasoline), Maybry & G T RR, Detroit, Mich.
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Roberts Motor Co., Sandusky, O.
Rochester Motors Co. (Gasoline, 20 to 75), Rochester, N. Y.
Rutenber Motor Co. ("Rutenber" Gasoline), Marion, Ind.
Schlosser Mfg. Co., 151 E 126th, New York
Seitz F. A. Co. (Gasoline), Newark, N. J.
H. P.), Rochester, N. Y.
Steel Products Engng. Co., Springfield, O.
Supreme Motors Corp. ("Supreme"), Warren, O.
**Universal Machinery Co., 784 30th, Milwaukee, Wis.**
Vahan Products Co., 73d & St. Clair, Cleveland, O.
**Waukesha Motor Co. (Auto Motors), Waukesha, Wis.**

Williams J. H. & Co. (Forgings), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 4350— Engines (Beating)

Claflin Engine Co., Lancaster, O.
Clark H. C. & Son Machine Co., Lee, Mass.
**DAYTON BEATER & HOIST CO.,** Dayton, O. *See adv index at end of book*
Dillon Machine Co., Lawrence, Mass.
**Dilts Machine Works, Inc., Fulton, N. Y.**
Downington Mfg. Co., East Downington, Pa.
Emerson Mfg. Co. ("Emerson"), Lawrence, Mass.
Holyoke Mach. Co., Holyoke, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Jones E. D. & Sons Co., Pittsfield, Mass.
McKim Foundry & Machine Co. (Miniature for Laboratories, Chemists, etc), Lockport, N. Y.
Mills Machine Co., Lawrence, Mass.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Valley Iron Works Co., Appleton, Wis.

## 4351— Engines (Blowing)

Allis-Chalmers Mfg. Co. ("Allis," Horizontal or vertical), Milwaukee, Wis.
American Ship Building Co., ft of W 54th, Cleveland, O.
Bruce-Macbeth Engine Co., Cleveland, O.
**HOOVEN, OWENS, RENTSCHLER CO.,** Hamilton, O. *See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Lane & Bodley Co., Tenn. av & Paddock rd, Cincinnati, O.
Mackintosh, Hemphill Co. (Horizontal & Vertical, Compound or Simple), ft of 12th, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*


**BLOWING ENGINES**
(Gas and Steam)
Equipped with Mesta Automatic Plate Valves (Iversen Patent)
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.


Morris I. P. Co., Richmond & Norris, Phila., Pa.
National Foundry & Mach. Co., Louisville, Ky.
Nordberg Mfg. Co., Chicago & Oklahoma av, Milwaukee, Wis.
Weimer Machine Works Co. (High Pressure), Lebanon, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 4352— Engines (Bridge Erecting)

See also Engines, Hoisting
Byers Jno. F. Machine Co., 242 So. Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York. *See adv index at end of book*

## 4353— Engines (Cableway)

**LIDGERWOOD MFG. CO.,** 96 Liberty, New York. *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Street Bros. Machine Wks., Chattanooga, Tenn.

## Engines (Chemical)

See Fire Engines, Chemical; also Fire Extinguishers

## 4354— Engines (Churn Drill)

Lake Shore Engine Works, Marquette, Mich.
National Iron Co. ("Evered"), Duluth, Minn.

## 4355— Engines (Compound)

Buckeye Engine Co., Salem, O.
Cooper C. & G. Co., Mt. Vernon, O.
**ELLICOTT MACHINE CORP.** (& Triple Expansion), 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Fitchburg Steam Engine Co., Fitchburg, Mass.
Harrisburg Foundry & Machine Works (Single Cylinder, as well as Tandem & Cross Compound), Harrisburg, Pa.
**HOOVEN, OWENS, RENTSCHLER CO.,** Hamilton, O. *See adv index at end of book*
Houston, Stanwood & Gamble Co., 3d & Philadelphia, Cincinnati, O.
Lane & Bodley Co., Tenn. av & Paddock rd, Cincinnati, O.
Mackintosh-Hemphill Co. (Cross Compound, Tandem, Rolling Mill, etc.), ft. of 12th, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Morris Machine Works (60 to 1000 H. P.), Baldwinsville, N. Y.
Murray Iron Works Co., Burlington, Ia.
Rumley Leo Tractor Co. ("Advance"), La Porte, Ind.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 4356-7-8—Engines (Compressed Air)

See also Compressors, Air
Chambersburg Foundry & Machine Co., Chambersburg, Pa.
Dake Engine Co., Grand Haven, Mich.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Ingersoll-Rand Co. (For Cranes), 11 B'way, New York
*See adv index at end of book*

## 4359— Engines (Corliss)

See also Engines, Oil

### ALABAMA.

BIRMINGHAM—Birmingham Machine & Fdry. Co.
Hardie, Tynes Mfg. Co. (50 to 5000 H. P.)

### CALIFORNIA.

SAN FRANCISCO—Golden State & Miners' Iron Works, 249 1st
Hendy Joshua Iron Works, 75 Fremont
Union Iron Works Co. (100 to 3000 H. P.), 20th & Michigan

### CONNECTICUT.

BRIDGEPORT—American & British Mfg. Co.
NEW HAVEN—Twiss Nelson W.

### DELAWARE.

WILMINGTON—Remington Machine Co., 411 E Front

### ILLINOIS.

CHICAGO—Allis-Chalmers Mfg. Co. ("Reynolds Corliss"), Peoples Gas bldg.
American Brake Shoe & Fdry Co., 332 S Michigan av
JOLIET—Bates Machine Co. (50 to 5000 H. P.)
MATTOON—Chuse Engine & Mfg. Co. ("Chuse" Non-Releasing 75 to 1200 H. P.)

### INDIANA.

FORT WAYNE—Bass Foundry & Machine Co. (30 to 3000 H. P.)
MARION—Marion Machine Foundry & Supply Co.

### IOWA.

BURLINGTON—Murray Iron Works Co.

### KANSAS.

KANSAS CITY—Strait H. N. Mfg. Co.

### MASSACHUSETTS.

FITCHBURG—Fitchburg Steam Engine Co.

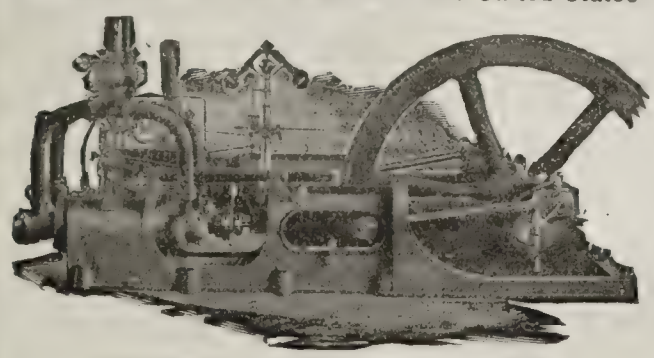
### MICHIGAN.

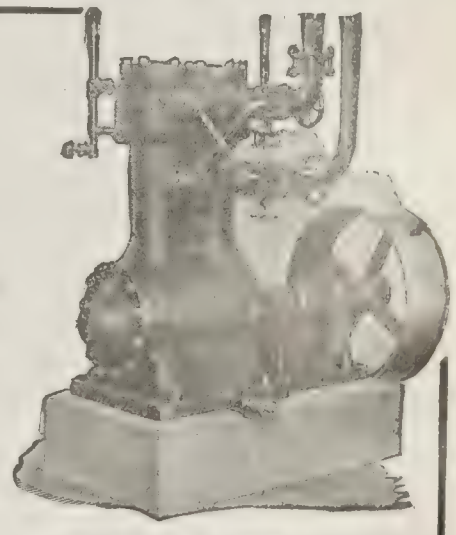
MARQUETTE—Lake Shore Engine Works (Stationary & Hoisting)
SAGINAW—Bartlett A. F. & Co. (50 to 1000 H. P.)

### MISSOURI.

ST. LOUIS—**FULTON IRON WORKS CO.**
*See adv index at end of book*
St. Louis Iron & Machine Works (Single, Tandem & Cross Compound, Heavy Duty & Girder Frame, 50 to 3000 H. P.), 126 Chouteau av


**THE VILTER MFG. CO.**
ESTABLISHED 1867
Branch Offices in All Sections of the United States
1046 CLINTON STREET
MILWAUKEE, WIS.
**CORLISS & POPPET VALVE ENGINES**
For Belted or Direct-Connected Service
Ice and Refrigerating Machinery, Any Capacity


Horizontal Double-Acting Refrigerating Machine Driven by Corliss Engine


Vertical Single-Acting Ammonia Compressor

NEW JERSEY.

ENGINES (CORLISS)—continued
HOBOKEN—Consolidated Iron Works
NEWARK—Hewes & Phillips Iron Works, 8 Orange (50 to 2000 H. P.)
Watts-Campbell Co., 298 Ogden (40 to 1000 H. P.)

NEW YORK.

CATSKILL—Catskill Foundry & Machine Co.
NEW YORK—Allis-Chalmers Mfg. Co. ("Reynolds Corliss"), 30 Church
American Brake Shoe & Foundry Co., 30 Church
*See adv index at end of book*
TROY—Knowlson & Kelley Co. (40 to 2000 H. P.)
OLEAN—Clark Brothers Co. (High Speed)

OHIO.

CINCINNATI—Lane & Bodley Co. (50 to 5000 H. P.), Tenn av & Paddock rd
HAMILTON—**HOOVEN, OWENS, RENTSCHLER CO.** ("Hamilton," 30 to 10,000 H.P.)
*See adv index at end of book*
MT. VERNON—Cooper C. & G. Co. (150 to 10000 H. P., Heavy Duty)
ZANESVILLE—Griffith & Wedge Co. (" Ohio")

PENNSYLVANIA.

CHESTER—Wetherill Robt. & Co. (25 to 2000 H. P.)
ERIE—Ball Engine Co.( Horizontal & Vertical, 300 to 1200 H. P.)
HARRISBURG—Harrisburg Foundry & Machine Works ("Fleming," 4-Valve Automatic)
PITTSBURGH—Mackintosh, Hemphill Co. (Rolling Mill), ft. of 12th
Mesta Machine Co., Box 1124
*See adv index at end of book*


STEAM ENGINES

Corliss and Piston Valve Types
Blowing, Hoisting, Reversing and
Power Engines

MESTA MACHINE COMPANY

Pittsburgh, Pa., U. S. A.


RIDGWAY—Ridgway Dynamo & Engine Co.
WAYNESBORO—Frick Co. ("Eclipse")

RHODE ISLAND.

PROVIDENCE—American & British Mfg. Co., Charles
Franklin Machine Co. ("Harris," "Corliss," Cross Compound Condensing & Triple Expansion, etc), 1 Park
*See adv index at end of book*
Providence Engineering Works ("Rice & Sargent"), 521 So Main

TENNESSEE.

JACKSON—Southern Engine & Boiler Mfg. Co.

WISCONSIN.

MILWAUKEE—Allis-Chalmers Mfg. Co. ("Reynolds-Corliss")
Filer & Stowell Co. (Heavy Duty)
Nordberg Mfg. Co., Chicago & Oklahoma
**VILTER MFG. CO.** (30 to 1000 H. P.), 1046 Clinton
*See adv index at end of book*

## Engines (Deck)

See Hoists, Dock & Deck

## 4360— Engines (Dental)

Butler-Edwards Electric Co., Easton, Pa.
Cleveland Dental Mfg. Co. (foot), 3307 Scranton rd, Cleveland, O.
Ritter Dental Mfg. Co. ("Ritter" Electric), Rochester, N. Y.
Shelton Electric Co., 30 E 42d, New York
Sibley Gideon, 1214 Filbert, Phila., Pa.
Sterling Dental Mfg. Co. ("Cambridge"), 120 Boylston, Boston, Mass.
White S. S. Dental Mfg. Co., 211 S. 12th, Phila., Pa.

## 4360a— Engines (Diesel)

Dow Pump & Diesel Engine Co. ("Willans"), 311 California, San Francisco, Cal.
**FULTON IRON WORKS CO.**, St. Louis, Mo. *See adv index at end of book*
Rix Compressed Air & Drill Co. (Auxilliary Air Compressors, 505 Howard, San Francisco, Cal.
Skamida Pacific Oil Engine Co., 550 to 825 H. P., Oakland, Cal.
Western Machy. Co., 900 N Main, Los Angeles, Cal.

## 4361—Engines (Direct Connected & Belted)

See also Generators, Electric Light; also Generators, Power
Buckeye Engine Co. (Gas or Steam), Salem, O.
Erie City Iron Wks., Erie, Pa.
**HOOVEN, OWENS, RENTSCHLER CO.** Hamilton, O. *See adv index at end of book*
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Pittsburgh Model Engine Co. (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsburgh, Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO., THE**, East Pittsburgh, Pa.
*See adv index at end of book*

## 4362— Engines (Distillate)

Alamo Mfg. Co., Hillsdale, Mich.
American Gas Engine Co.. ("Weber" 3-400 H. P.), Kansas City, Mo.
Armstrong Mfg. Co., Waterloo, Ia.
Bauer Machine Works Co., Kansas City, Mo.
Chambersburg Foundry & Machine Co., Chambersburg, Pa.
Charter Gas Engine Co., Sterling, Ill.
Doak Gas Engine Co., Oakland, Cal.
Ellis Engine Co. ("Ellis" 3 to 12 H. P.), 2843 E Grand blvd, Detroit, Mich.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Faultless Engine Co., 1511 Cypress av, Kansas City, Mo.
Foos Gas Engine Co., 800 Monroe, Springfield, O.
Fuller & Johnson Mfg. Co., Madison, Wis.
Hope Forge & Machine Co. ("Reeves"), Mount Vernon, O.
International Harvester Company of America (Inc.) ("International"), Harvester bldg, Chicago, Ill.
Lauson-Lawton Co., De Pere, Wis.
Muncie Oil Engine Co., Muncie, Ind.
National Steam Pump Co. (8 to 60 H. P.), Upper Sandusky, O.
Otto Engine Mfg. Co., 33d & Walnut, Phila., Pa.
Power Mfg. Co. (15 to 150 H. P.), Marion, Ohio
Rawleigh W. T., Freeport, Ill.
Rumely Leo Tractor Co. (30 to 60 H. P.), La Porte, Ind.
Superior Gas Engine Co., Springfield, O.
Union Tool Co. ("Ideal"), Torrance, Cal.
Wadsworth Mfg. Co., Kercheval & Connors Creek, Detroit, Mich.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.
West Coast Gas Engine Co., San Diego, Cal.
Willard-Middletown Machine Co., Covington, Ky.
Witte Engine Wks. (Gas, Gasoline, Kerosene), 16th & Oakland, Kansas City, Mo.

## 4363—*Engines (Drawbridge)

**LIDGERWOOD MFG. CO.**, 96 Liberty, New York. *See adv index at end of book*

## 4364— Engines (Dredging)

See also Engines, Hoisting
**ELLICOTT MACHINE CORP.**, 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York. *See adv index at end of book*
**MUNDY, J. S. HOISTING ENGINE CO.**, 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Street Bros. Machine Works, Chattanooga, Tenn.

## 4365—Engines (Drilling, Oil & Gas Well)

American Gas Engine Co. ("Weber"), 11th & Winchester av, Kansas City, Mo.
American Well Works, 112 N Broadway, Aurora, Ill.
Armstrong Mfg. Co., Waterloo, Ia.
Clark Bros. Co., Olean, N. Y.
Herron, R. H., Co., 1934 N Alemeda, Los Angeles, Cal.
Lucey Mfg. Corp. of Tenn., Chattanooga, Tenn.
National Supply Co., Union Bank bldg., Pittsburgh, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Struthers-Wells Co., Warren, Pa.
Union Tool Co. ("Ideal"), Torrance, Cal.

## 4366—Engines For Fan Driving, Etc.

Brownell Co., Dayton, O.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Green Fuel Economizer Co., Beacon, N. Y.
Lane & Bodley Co., Tenn. av & Poddock rd, Cincinnati, O.
New York Blower Co., Archer Av. & Canal, Chicago, Ill.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 4366a— *Engines (Fuel Oil)

**CHICAGO PNEUMATIC TOOL CO.**, ("Giant"), 6 E 44th, New York
*See adv index at end of book*

## 4367—*Engines (Gas Power)

**MESTA MACHINE CO.**, Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 4368—Engines (Gas & Gasoline)

See also Engines, Marine, Gasoline

ALABAMA.

BIRMINGHAM—American Blakeslee Mfg. Co. (Gas)
American Blakeslee Mfg. Co. (Stationary & Portable, 3 to 25 H. P.)

CALIFORNIA.

BERKELEY—Jackson Byron Iron Works
LOS ANGELES—Commercial Engine Co. (Gas)
Fulton Engine Wks., 1000 Alhambra (Gas)
Stearns Gas Engine Works (Gas)
Union Tool Co. ("Ideal" 15 to 50 H.P.)
Western Machinery Co. ("Western"), 900 N Main (12 to 320 H. P.)
OAKLAND—Atlas Imperial Engine Co. (Gas)
Atlas Imperial Engine Co.
Doak Gas Engine Co.
Standard Gas Engine Co. ("Frisco Standard"), (5 to 175 H. P.)
Union Gas Engine Co. (5 to 600 H. P.), (Gas & Oil), Oakland
SAN DIEGO—West Coast Gas Engine Co.
SAN FRANCISCO—Corliss Gas Engine Co. (Stationary & Marine), 440 Market.
Dundon's Iron Wks., 225 Folsom
Enterprise Fdy. Co., 20 Stewart
Garratt W. T. & Co., 299 Fremont
Golden State & Miners' Iron Works (Gas & Gasoline), 249 1st
Hicks Jas. L. (Gas, etc), 967 Howard
Hobron Thos. W. (Gas), Lick bldg.
Imperial Gas Engine Co. (Gas), 60 Clementina
Ohmen Engine Works, 17th & Capp
Pacific Pump & Supply Co. (Jobbers), (Pumps, Windmills, Gasoline Engines, & Water Supply Goods), 835 Folsom
Schilling Adam & Sons (Gas & Gasoline), 211 Main
Standard Gas Engine Co.
Union Gas Engine Co. ("Union"), 351 Montgomery
Union Iron Works Co., 20th & Michigan
Western Gas Engine Corp., Rialto bldg.
Woodin & Little (Gas & Gasoline), 11 Tremont
STOCKTON—Samson Iron Works (Gas)
TORRANCE—Union Tool Co. ("Ideal", 15 to 50 H. P.)

### CONNECTICUT.

BRIDGEPORT—**American & British Mfg. Co. (Gas or Gasoline in Quantities Only)**
**Automatic Machine Co. (Marine)**
Black Rock Mfg. Co. (Twin Screw Type)
**Bridgeport Motor Co. (Gasoline Motors)**
Fairfield Auto Co. (Gasoline Motors).
Standard Oil Engine Co. (Marine Gasoline)
**Wheeler Engine Works (Gas & Gasoline)**
Wolverine Motor Works ("Wolverine" Marine 18 to 100 H. P.)
CENTERBROOK—**Connecticut Valley Mfg. Co. (Gasoline Marine)**
COSCOB—Palmer Bros. (Gasoline)
HARTFORD—**GRAY & PRIOR MACHINE CO.** (Marine), 96 Suffield
*See adv index at end of book*
MIDDLETOWN—**Frisbie Motor Co.**
Hubbard Motor Co. (2 & 4 cycle)
MYSTIC—Lathrop J. W. Co. **(Stationary & Marine, 1½ to 25 H. P., Gas & Gasoline)**
NEW BRITAIN—Kinne W. A.
NEW HAVEN—Driggs Ordnance & Mfg. Corp. (Automobile & Marine, Gasoline)
NEW LONDON—**New London Motor Co.** (Gasoline)
NORWALK—Barker C. L. **(Gas)**
SEYMOUR—Church S. B. **(Gas & Gasoline)**
STAMFORD—Stamford Motor Co. ("Sneeker" Gasoline)
STONY CREEK—**Beach Oliver B. (Gas & Gasoline)**

### DELAWARE.

WILMINGTON—**Harris Engine Co. ("Harris" Gasoline, 5 to 200 H. P.)** Front & Orange.
Jones & Schumacher, 1100 West
Trump Bros. Machine Co. (Marine), Beech & Anchorage

### FLORIDA.

JACKSONVILLE—Gibbs Gas Engine Co. of Fla. (Jobbers)

### GEORGIA.

WINDER—**Woodruff Machinery Mfg. Co. (2 to 4 H. P.)**

### ILLINOIS.

BATAVIA—**Appleton Mfg. Co. ("Appleton" Gasoline)**
Challenge Co. ("Challenge" & "Dandy")
BELLEVILLE—Harrison Machine Wks. ("Jumbo")
CHICAGO — Accurate Engineering Co., 5401 Western av blvd
Aermotor Co. ("Aermotor"), 2500 W. 12th
Acme Steel Goods Co., 2834-2840 Archer av
Alexander & Cox Co., 2358 Ogden av
Allis-Chalmers Mfg. Co. ("Allis" Gas Only), Peoples Gas bldg
**Anderson Engine Co. (Marine & Tractor 2½ to 150 H. P.), 4036 N Rockwell**
**CHICAGO PNEUMATIC TOOL CO.,** ("Giant"), 6 E 44th, New York
*See adv index at end of book*
**Colborne Mfg. Co. (Gas), 157 W Division**
**Fairbanks, Morse & Co. ("Z" Gas & Gasoline, for All Purposes), 900 S Wabash av**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
International Harvester Company (Inc.), ("International"), Harvester bldg.
Lennox Machine Co., 2558 W. 16th.
McDonald A. H. (Gas), 547 W Monroe
Murray W. B. (Gas & Gasoline), N Winchester & Wabansia avs
DECATUR—Decatur Novelty Wks. (Gasoline)
DIXON—Clipper Lawn Mower Co. ("Clipper," Gasoline, Marine & Stationary)
EAST MOLINE—Root & Vandervoort Engineering Co. ("R. & V.," "Triumph," Gas & Gasoline)
ELGIN—Elgin Wheel & Engine Co. ("Redemotors" Small Gas Engines)
FREEPORT—**Freeport Gas Machine Co. (Gas)**
Rawleigh W. T. ("R. S." Gasoline)
Rawleigh W. T. Co.
Stover Mfg. & Engine Co. ("Stover," Gasoline, 1 to 60 H. P.)
**Woodmanse Mfg. Co. ("Mogul")**
GALENA—**Westwick John & Son**
GALESBURG—Wenzelman Mfg. Co. (Gasoline)
HAVANA—**Havana Mfg. Co. ("Havana," "Red & Ready")**
JOLIET—**Buckeye Engine & Foundry Co. ("B. & B.")**
KEWANEE—**Kewanee Private Utilities Co., West Side**
POLO—Polo Machine Co. (Gas)
QUINCY—Quincy Motor Co.
ROCKFORD — Emerson-Brantingham Co. ("E-B") Portable & Stationary)
Savage & Love Co. (Gas & Gasoline)
SANDWICH—**Sandwich Mfg. Co.**
STERLING—Charter Gas Engine Co. (Gas & Gasoline)
URBANA—Leavitt Mfg. Co. ("Success," Gasoline)
WARNER—Warner Elevator Mfg. Co. ("Warner," Gasoline)

### INDIANA.

ANDERSON—**Buckeye Mfg. Co. ("Lambert," ½ to 40 H. P.)**
**Dice Machine Co. ("Anderson," "Westerfield," "Dice")**
Lambert Gas Engine Co. (Gas)
Lambert Gas & Gasoline Engine Co.
Reliable Machine Co. (Gas)
EVANSVILLE—Evansville Gas Engine Wks.
Hercules Gas Engine Co. (Gas)
GOSHEN—Hoosier Motor Co.
HAGERSTOWN—Teeter - Hartley Motor Co. (Gasoline)
INDIANAPOLIS—Capital Gas Engine Co. ("Capital," "Gem")
Midwest Engine Co.
Spacke Machine & Tool Co. (Motorcycle Gasoline Only)
KENDALLVILLE—**Flint & Walling Mfg.** Co. ("F. & W.," Gasoline, 1½ to 25 H. P.)
LA PORTE — Advance - Rumely Co. ("Adams," "Falk," "Oil Turn," "Olds")
MARION—**Marion Machine Foundry & Supply Co. (Self-Igniting)**
Rutenber Motor Co. ("Rutenber")
MISHAWAKA—Perkins Wind Mill Co. (2½ up to 20 H. P.)
MUNCIE—Keiser Geo. & Co. (Gasoline)
NEW ALBANY—Goetz-Coleman Mfg. Co. (Gas & Gasoline)
PLYMOUTH—Clizbe Bros. **Mfg. Co.**
RICHMOND—Richmond Standard Mfg. Co. (Gasoline)

### IOWA.

CHARLES CITY—American Tractor & Foundry Co.
**Hart-Parr Co. (Oil Cooled, Gasoline)**
COUNCIL BLUFFS—**Walker Mfg. Co.** ("Boss" Farmer)
DAVENPORT—Sebelin Machine Tool Wks. (Gas)
DES MOINES—**Gibbons Mach. & Foundry Co.**
IOWA FALLS—**Gade Bros. Mfg. Co. (Air Cooling, Gasoline)**
MARSHALLTOWN—**Lennox Machine Co. ("Lennox," "O. K.," "Standard," Stationary & Mounted), (See Chicago, Ill.)**
NEWTON—**One Minute Mfg. Co. (1½ H. P.)**
SIOUX CITY—**Sioux City Engine & Machinery Co. ("Sioux")**
WATERLOO—Armstrong Mfg. Co. (Gasoline)
Associated Mfrs. Co. ("Amanco," "Busy Boy," "Chore Boy," "Hired Man," "Hired Hand," "Jack Boy," "Johnny Boy," "Six Mule Team," "Twelve Mule Team," Gasoline)
Cement Tile Machinery Co. ("S. & S.")
Ferguson Mfg. Co. ("Ferguson")
Galloway Wm. Co. ("Galloway," Gasoline)
Interstate Tractor Co.
Iowa Gasoline Engine Co. (Gasoline)
Waterloo Interstate Tractor Co. ("Plow Man" 13-30—15-30 Tractors, Gasoline)
Waterloo Cement Machinery Corp.
Waterloo Gasoline Engine Co. ("Waterloo Boy" Gasoline)

### KANSAS.

KANSAS CITY—**Badger Gas & Gasoline** Engine Co. (1 to 4 H. P.)
OTTAWA—**Union Foundry & Machine Co. ("Union Giant") (1½ to 6 H. P.)**

### KENTUCKY.

COVINGTON — Willard-Middletown Machine Co. ("Miami", "Woodpecker")
LOUISVILLE—**Longest Bros. Co. (Gasoline)**
OWENSBORO—Wright Machine Co., 321-405 E 2nd
WINCHESTER—**Hagan Gas Engine Mfg. Co. (Gas)**

### MAINE.

AUGUSTA—**Fifield Bros. Co.**
BATH—Torrey Roller Bushing Works
CAMDEN—Camden Anchor-Rockland **Machine Co. ("Knox") (2 Cycle Stationary & Marine)**

### MARYLAND.

BALTIMORE—Eisenbrandt F. B. **(Marine, Gasoline)**, ft of Light
Harms Bros. ("Eclipse," **Marine)**, 1730 Thames
Page Eng. Co. ("Oriole" Gas & Gasoline), Clagett & Hull.
White Chas. Gas Engine Co. (4 to 60 H. P.), Scott & McHenry

### MASSACHUSETTS.

ABINGTON—Lamson E. F.
AMESBURY—Atlantic Boat Co. (Marine)
BOSTON—Blount Eng'ring Co. ("Blount") 100 High
Jager Chas. J. Co. ("Jager," 4 Cycle Type, 3 to 60 H. P.), 13 Custom House
Lunt, Moss Co. (Gas & Gasoline), 43 S Market
Murray & Tregurtha Co., 340 W 1st
Neponset Engine & Machine Co. ("Rex" Marine)
Neponset.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park
FALL RIVER—**Mechanics' Fdy. & Machine Co. ("Mechanics")**
HOLYOKE—**Bay State Motor Works**
LOWELL—Heinze Electric Co.
LYNN—Essex Engine Co.
NEW BEDFORD—Sagamore Motor Wks. (Gas), 650 Summer
SALEM—**Brown-Talbot Machinery Co.**
Stanley Co. (Gasoline Marine Motors),
WORCESTER—Adams Jno. J. (Gas & Gasoline)
Burlingame S. F. (Oil & Gasoline)

### MICHIGAN.

BAY CITY—Smalley-General Co. (Gasoline, Marine)
COLDWATER—Regal Gasoline Engine Co. (Gasoline)
Beaver Engine Co. (Gas), 103 Meldrum av
DETROIT—Belle Isle Boat & Engine Co. (Marine & Stationary)
Caille Perfection Motor Co. (Marine & Stationary Gasoline), 2d & Amsterdam
Carson Motor Co. (Gas), 519 Hillger
**Detroit Engine Works (Gasoline, 2 to 20 H. P.)**, Kerchevl & Connors
**Ellis Engine Co. (Stationary, 3 to 12 H. P.), 2343 E Grand blvd**
Ford Motor Co. (2 & 4 Cylinder), Highland pk.
**Gemmer Mfg. Co. (Gasoline, Auto,** etc), 741 Merrick
**Gray** Motor Co. (Gasoline, 1, 2 & 3 Cylinders, 3 to 30 H. P.), Det. Term. R. R. & Mack
Michigan Steel Boat Co., Kerchevl & Connors
**Scripps** Motor Co. (Marine), 629 Lincoln av
Strelinger Marine Engine Co.
Sun-Power Engine Co.

MICHIGAN—continued
GRAND RAPIDS—Grand Rapids Gas Engine & Yacht Co. ("Monarch")
Perkins & Co.
GREENVILLE—Moore Plow & Implement Co. ("Moore," "Sure Cool," Gasoline)
HILLSDALE—Alamo Mfg. Co. (Gas & Gasoline)
HOLLAND—Brownwall Engine & Pulley Co. (Air Cooled)
HUDSON—Hardie Mfg. Co. ("Hardie")
IONIA—Arnold's G. W. Son (Gasoline)
JACKSON—Field-Brundage Engine Wks. ("Field," "Field Type W," Gasoline)
LANSING—Acme Engine Co. (2½ to 15 H. P.)
Bates & Edmonds Motor Co. ("B. & E," "Bull Dog," also Direct Connected)
Brown Mach. & Engine Co. (Gas)
**Gifford Engine Co. (1½ H. P.)**
Ideal Engine Co.
Lansing Motor & Pump Co. (Gasoline)
New Way Motor Co. (Gasoline, 3½ to 7 H. P.)
Novo Engine Co. ("Novo," Water Cooled, **Especially Adapted for Concrete Mixers, etc)**
**Original Gas Engine Co. ("Ideal")**
Reliance Engineering Works
United Engine Co.
LUDINGTON—Gile Tractor & Engine Co., (Marine & Stationary)
Stearns Motor Mfg. Co. (Gasoline)
MARCELLUS—Chapman H. L. ("Chapman" "Economizer")
MARQUETTE—Lake Shore Engine Works ("New Superior" 2 & 4-Cycle)
MUSKEGON—Continental Motor Mfg. Co.
PETOSKEY—Burnett Foundry & Machine Works (Ltd.) (Marine & Stationary)
PORT HURON—Port Huron Construction Co. (Gasoline)
SAGINAW—Nelson Bros. Co. ("Jumbo," 1½ to 4½ H. P.)
Wilcox Motor & Mfg. Co.
ST. JOHNS—Farmers' Cement Tile Machine Co.
Richmond & Holmes (Gas & Gasoline)
THREE RIVERS—Fairbanks, Morse & Co., Sheffield Plant

## MINNESOTA.

ALBERT LEA—Kemper-Odee Engine Co. ("Odee")
FAIRMONT—Fairmont Gas Engine & Ry. Motor Car Co. ("Fairmont," Gasoline & Kerosene)
FARIBAULT—Faribault Engine Mfg. Co.
MINNEAPOLIS—Diamond Iron Works (2 to 75 H. P.), 2nd & 18th av, N
Enterprise Machinery Co. ("Westman," Gasoline), 1600 8th
Howell R. R. & Co., 31st Av.
**Minneapolis Steel & Machinery Co. ("Muenzel," Gas, 30 to 300 H. P.)** 2854 Minnehaha av
Shadegg J. C. Engine Co., **315 S 3rd**
RED WING—Red Wing Motor Co.
ST. PAUL—Auto Engine Works (Marine Gasoline), University & Griggs
WINONA—Winona Machine & Boat Works (Motor Boat)

## MISSOURI.

CLINTON—Industrial Iron Works ("Industrial")
KANSAS CITY—American Gas Engine Co. ("Weber," 2 to 400 H. P.)
Bauer Machine Works Co. ("Bauer," "Ever Ready," Up to 50 H. P.)
Faultless Engine Co., 1511 Cypress av
Kansas City Engine Works ("Elliott," Stationary, ½ to 8 H. P.)
Kansas City Hay Press Co. ("K. C." & "K. C., Jr.," "Lightning," Stationary & Portable)
United Iron Works Co., Inc.
ST. LOUIS—Mo. Engine Co. (Marine), St. Louis. Mo.
St. Louis Gas & Gasoline Engine Co. (Marine), 2615 De Kalb

## NEBRASKA.

BEATRICE—Dempster Mill Mfg. Co.
FREMONT—Fremont Foundry & Machine Co.
LINCOLN—Cushman Motor Works (4 H. P. 4-Cycle, Gasoline)
Ward Tractor Co.

## NEW HAMPSHIRE.

LAKEPORT—McDuff Wm. J.

## NEW JERSEY.

BLOOMFIELD—Empire Cream Separator Co. ("Empire," Two Cycle, 1½ to 3 H. P.)
BRIDGETON—Hettinger Engine Co.
DUNELLEN—Ransome Concrete Machinery Co. ("Oshkosh")
HOBOKEN—Nilson-Miller Co., 1300-1306 Hudson. *See adv index at end of book*
JERSEY CITY—Craig James, Garfield av
Jersey City Machine Co., 113 Plymouth
Standard Motor Const. Co. (Marine, 8 to 1500 H. P.), 180 Whiton.
**NEWARK—Backus Water Motor Co. (Gas & Gosline), 172 Penn av**
Newark Gas Engine Co., 676 N 6th
PATERSON—Sipp Machine Co. (½ to 1 H. P.)
PENNSGROVE—Homan Vandever S.
**TRENTON—Trenton Malleable Iron Co. ("Rice" 2 & 4-Cycle)**

## NEW YORK.

ADAMS—Frazer Bros. Co. (Marine)
AUBURN—Quick & Thomas Co.
BALLSTON SPA—Lackawanna Mfg. Co. "Lackawanna" Marine Engine)
BINGHAMTON—Canfield Gas Engine Co.
Deyo-Macey Engine Co. (Gas)
BUFFALO—Alberger Gas Engine Co. (4-
Curtiss Aeroplane Co., ft. of Churchhill
Buffalo Engine Co. ("Salisbury")
Buffalo Gasoline Motor Co.
Empire Machine & Stamping Co., 59 Terrace
Frontier Engine Works, 9 Perry.
Lazier Gas Engine Co. ("La Zier"), 190 Main.
Olin Gas Engine Co. ("Olin," Gas & Gasoline)
Peerless Marine Motor Co., 2150 Niagara
Ruger J. W. Mfg. Co. (Gas & Gasoline, 4-Cycle Compression Type, 5 to 100 H. P.)
Sterling Engine Co. (Gas)
CANASTOTA—Cady C. N. Co. (Marine)
DUNKIRK—Niagara Motors Corp. **("Niagara" Marine Motors)**
ELMIRA—Field Force Pump Co. ("Leader")
FRANKFORT—Acme Road Machinery Co. (Gasoline)
GASPORT—Friend Mfg. Co.
GENEVA—Fay & Bowen Engine Co. (Gas & Gasoline, 2 & 4 Cycle Stationary & Marine)
GREENPORT—Gaffga J. S. & Co.
HAMMONDSPORT—Curtiss Aeroplane Co.
HOOSICK FALLS—Wood Walter A. Mowing & Reaping Machine Co. ("McVicker" Gasoline, Farm)
MALONE—Hinds Thomas Co. (Gasoline)
MORRISTOWN—Morristown Boat & Engine Co.
SARATOGA SPRINGS—Jacobson Gas Engine Co. (Gas & Gasoline)

## NEW YORK CITY.

### Borough of Brooklyn

BROOKLYN—National Meter Co., 1st av
**Saladin Louis**
Williams J. H. & Co. (Forgings), 31 Richards *See adv index at end of book*

### Boroughs of Manhattan and Bronx.

NEW YORK—Allis-Chalmers Mfg. Co. ("Allis," Gas Only, Four-Cycle Double-Acting, 500 to 5,000 H. P.), 50 Church
Allman Gas Engine & Mach. Co., 461 Canal
Consolidated Gas & Gasoline Engine Co., 202 Fulton
Fairbanks Co., 416 Broome
Dutcher Mach. Co., Inc.
Gas Engine & Power Co. (Chas. L. Seabury & Co. ("Speedway" Gasoline), Morris Heights
Homan J. & E. (Gas & Gasoline), 435 W B'way
National Meter Co. ("Nash" Gas & Gasoline), 299 B'way
New York Yacht, Launch & Engine Co. ("20th Century"), Morris Heights
Schlosser Mfg. Co. (Automobile & Marine), 151 E. 126th
Standard Gas Power Co., 17 Battery pl
Tirrill Gas Machine Lighting Co., 103 Park av
Van Blerck Motor Co., 30 Church
White Mfg. Co. ("The Craig," Gas & Gasoline), 556 W 34th
Willys Corp., 11 Pine
**WORTHINGTON PUMP & MACHY. CORP.** ("American Crossley" Gas Engines), 115 B'way, New York
*See adv index at end of book*
**(End of New York City)**

NIAGARA FALLS—Goffin & Zeifang
NORTH TONAWANDA — Herschell-Spillman Co.
OGDENSBURG—Dunn Walter E. (1½ to 25 H. P.)
OLEAN—Clark Brothers Co., Heavy Duty Double Cylinders Gas, 100 to 500 H. P.)
ROCHESTER—Beers Bros. (Gasoline)
Eldridge Engine Co., 109 Sibley block
Rochester Gas Engine Co.
Rochester Motors Co., 278 State.
SCHENECTADY—S. R. Mfg. Co. ("Mohawk")
Westinghouse Co. ("Schenectady", "Westinghouse")
SYRACUSE—Barber Bros.
Leighton H. J.
Wonder Mfg. Co.
VERNON—Pohl Geo. D. Mfg. Co. ("Advance" Gasoline)
WELLSVILLE—Clark & Norton Mfg. Co.

## NORTH DAKOTA.

FARGO—Fargo Foundry Co. (Gasoline Only)

## OHIO.

**AKRON—Standard Pump & Engine Co. (Gas)**
**Star Drilling Machine Co. (4-Cycle, 6 to 15 H. P.)**
BLUFFTON—Diller Mfg. Co.
BOWLING GREEN—Universal Machine Co. (Gasoline, Marine)
**CANTON—Hercules Motor Mfg. Co. (Gasoline for Trucks, etc)**
CINCINNATI—Berghausen Machine Co., 2128 Colerain av
Carlisle & Finch Co. (Generating Set) 229 E. Clifton Av.
Clifton Motor Works ("Clifton"), 229 E Clifton av
Watkins Motor Co. (Gas & Gasoline), 828 W 6th
CLEVELAND—Bruce-Macbeth Engine Co. (8 to 300 H. P.)
Clay Engine Mfg. Co., 864 E 72nd
Maskell J. H. Machine & Mfg. Co. (Gasoline), 1421 E 40th
**Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W.**
Winton Engine Wks. (Gasoline-Marine, 75 H. P. up)
Wood & Spencer Co. (up to 5 H. P.) 1930 E 61st
COLUMBUS—Lowe Bros. Machine & Engine Works ("Lowe" Gas and Gasoline, 1½ to 400 H. P.)
Okey Mfg. Co. (Gas)
DAYTON—Callahan W. P. Co. (Up to 200 H. P.)
Dayton Pitless Scale Co.
Steiner M. & Co. (Gas)
DELAWARE—Cook Motor Co.
FINDLAY—Buckeye Traction Ditcher Co.
GALION—Galion Iron Works & Mfg. Co.
GREENVILLE—Ross Supply Co. (Gaso-
Wogaman Bros. Co. ("Ritchie," "Hamilton," Gas & Gasoline)
HAMILTON—Advance Mfg. Co. ("Hamilton Advance", 6 to 35 H. P.)
Benninghofen C. Sons
**HOOVEN, OWENS, RENTSCHLER CO.** (Large Gas)
*See adv index at end of book*
LIMA—Buckeye Machine Co. (Gasoline, up to 12 H. P.)
Ohio Valley Supply Co. (Gas)
MARIETTA—Pattin Bros. Co. (12 to 100 H. P. Gas)
MASSILLON—Russell & Co. ("Boss" Traction)
MOUNT GILEAD—Hydraulic Press Mfg. Co. *See adv index at end of book*
MOUNT VERNON—Cooper C. & G. Co. (150 to 3000 H. P. Gas Only)
Hope Forge & Machine Co.
Hope Engng. & Supply Co.
NAPOLEON—Heller-Aller Co.
Ragan-Brown Lange Co.
NEW LEXINGTON—Star Mfg. Co. ("Star")

PORTSMOUTH—Heer Engine Co. (2 to 16 H. P.)
Reliable Engine Co. (Gas)
SALEM—Buckeye Engine Co. (Gas Only; Horizontal, Single & Double Acting, Operated on Natural Producer & Artificial Gas, Direct Connected or Belted; H. P. Up)
SANDUSKY—Ohio Motor Co. (Heavy Duty Gasoline)
Roberts Motor Co. (Marine Gasoline)
Vim Motor Co.
SPRINGFIELD—Bauroth Bros. ("Bauroth," "Scientific" Gas & Gasoline, 2 to 15 H. P.)
Foos Gas Engine Co. (Gasoline, 6 to 325 H. P.), 800 Monroe
Miller Improved Gas Engine Co. (Heavy Duty Gas 35 to 250 H. P.)
Steel Products Engng. Co., Springfield, O.
Superior Gas Engine Co. ("Superior" Tandem, 100 to 200 H. P., Single Cylinder, 5 to 100 H. P.)
Superior Mfg. & Mill Co.
TOLEDO—Grasser Motor Co.
Jones S. M. Co. ("Ralco" 4 to 100 H. P.)
Rathbun-Jones Engineering Co. ("Rathbun" Vertical Gas Engine, 50 to 1200 H. P.), 841 Spencer.
TROY—Hobart Mfg. Co.

## OKLAHOMA.

BARTLESVILLE—Frick-Reid Supply Co. ("Reid" Gas)
OKLAHOMA CITY—
TULSA—McEwen Mfg. Co., Tulsa, Okla.

## OREGON.

PORTLAND—Columbia Gas Engine Co.

## PENNSYLVANIA.

ALLENTOWN—Nadig C. H. Mfg. Co. (Gasoline)
BELLEFONTE—Bellefonte Engineering Co.
BLUE BALL—Blue Ball Machine Wks.
BRADFORD—Blaisdell Machinery Co.
Bovaird & Co. (Gas & Gasoline)
Boviard & Seyfang Mfg. Co.
Combination Engine & Compressor Co., (10 to 50 H. P.)
BUTLER—Evans Mfg. Co. (Ltd.)
Spang & Co.
CHAMBERSBURG—Chambersburg Foundry & Machine Co.
DUBOIS—Dubois Iron Works ("Du Bois," 5 to 300 H. P.)
EAST PITTSBURGH—WESTINGHOUSE ELECTRIC & MFG. CO. (10 to 10,000 H. P.)
*See adv index at end of book*
EDDYSTONE—Pennsylvania Iron Works Co.
EMIGSVILLE—National Tubular Axle Co. (Marine)
ERIE—Erie Forge Co.
Fulton Mfg. Co. (Marine)
Grace E. J., 2811 Raspberry (Gas)
Samson Gas Engine Co., 648 W. 12th
FRANKLIN—Producers Supply Co. (10 to 40 H. P.)
GROVE CITY—Bessemer Gas Engine Co. ("Bessemer," "Gaso-Kero" Gas, 5 to 350 H. P.)
HANOVER—United Engine & Mfg. Co. ("Manley")
LANSDALE—Heebner & Sons (Gasoline, Stationary & on Wheels)
MYERSTOWN—Myers E. H.
NEW BRIGHTON—Pittsburgh Machine Co.
OIL CITY—American Railway Appliance Co. (2½ H. P. up to 12 H. P.)
NATIONAL TRANSIT PUMP & MACHINE CO., (Gas)
*See adv index at end of book*
Oil City Boiler Works (Gas)
Reid Jos. Gas Engng. Co.
PHILADELPHIA—Hall Gas Engine Co., Garden bldg
Otto Engine Mfg. Co. (Gas & Gasoline), 33rd & Walnut
Penrose Motor, Inc., Pennsylvania bldg
Schramm Chris. D. & Son, Inc. (Jump or Break Ignition), 709 Arch
Steffey Mfg. Co.
Vulcan Gas Engine Works ("Vulcan"), 1827 Bainbridge
PITTSBURGH—Carlin John H. Machine Co. (Gas)
Davison N. C. Co. (Gas), 3145 Penn.
Frick-Reid Supply Co. ("Reid" Gas), Sandusky & Robinson
Hope Engineering & Supply Co., 803-806 Farmers Bk. bldg
Hope Forge & Machine Co., Farmers Bank bldg
Mesta Machine Co., Box 1124
*See adv index at end of book*


GAS ENGINES
Above 600 B. H. P.
FOR ANY FUEL GAS
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.


Oil Well Supply Co. (Gas), 215 Water
Pittsburgh Model Engine Co. (4, 6 & 8 Single Cylinder Vertical), Lexington & McPherson
Standard The, Scale & Supply Co. ("The Standard" Gasoline Engines; Also Oil), 1631 Liberty av
*See adv index at end of book*
Turner-Fricke Mfg. Co., Farmers' Bank bldg
POTTSTOWN—Light Mfg. & Foundry Co.
North American Motors Co. (Automobile 20 to 45 H. P.)
READING—Orr & Sembower (Gasoline or Kerosene)
SHIPPENBURG—Domestic Engine & Pump Co. ("Domestic")
SOUTH BETHLEHEM—Bethlehem Steel Co. ("Bethlehem Steel" Gas Engine, 800 to 5,000 H. P.)
TATAMY—Messinger Mfg. Co. ("Messinger")
TITUSVILLE—Titusville Iron Co. ("Olin" 5 to 35 H. P.)
WARREN—Warren Mach. Products Co.
WEST CHESTER—West Chester Engine Co. ("Keystone" Gasoline)
WILLIAMSPORT—Early Gas Engine Co.
Moltz Jacob J.
WRIGHTSVILLE—Dissinger Farm Co.
YORK—Farquhar A. B. Co. (Ltd.)
Henry, Millard & Henry Co. ("Advance," "H. M. & H.") (2 to 15 H. P.)

## RHODE ISLAND.

PROVIDENCE—American & British Mfg. Co. (Gas & Gasoline), Charles

## TEXAS.

AUSTIN—Tips Foundry & Machine Co.
FORT WORTH—Fort Worth Well Machy. & Supply Co.
SAN ANTONIO—San Antonio Machine & Supply Co. ("Krueger," Atlas Gasoline)

## VERMONT.

POULTNEY—Ruggles Machine Co.
WATERBURY—Cooley Wright Mfg. Co. (Gasoline)
WESTMINSTER STATION—Abenaque Machine Works (Gas & Gasoline)

## WASHINGTON.

SEATTLE—Seattle-Astoria Iron Works (Marine)
TACOMA—Puget Sound Iron & Steel Works (Gasoline)

## WEST VIRGINIA.

PARKERSBURG—Parkersburg Machine Co. (Small Gasoline Only)

## WISCONSIN.

ALGOMA—Wodsedalak Jos.
APPLETON—Eagle Mfg. Co. ("Eagle" Gasoline)
BELOIT—Thompson Plow & Engine Wks.
BERLIN—Schaefer Mfg. Co.
BRILLION—Brillion Iron Works ("Brillion" Gasoline)
CEDAR GROVE—Wisconsin Foundry & Steel Works
CUDAHY—Worthington Pump & Machy. Corp. ("Ingeco")
*See adv index at end of book*
DE PERE—Lauson-Lawton Co. ("Wisconsin" 1½ to 30 H. P.)
EAU CLAIRE—Eau Claire Mfg. Co. ("White" Gasoline Stationary, Portable, Marine & Electric Light)
Northwestern Steel & Iron Works ("Northwestern" Gasoline)
EVANSVILLE—Baker Mfg. Co. ("Baker" "Monitor" Gasoline)
FOND DU LAC—Quentin Peter N. (Gas)
GREEN BAY—Straubel Machine Co. (Marine)
LA CROSSE—La Crosse Tractor Co.
MADISON—Fuller & Johnson Mfg. Co. ("F. & J. Open Jacket" Gasoline, Water & Air Cooled
MANITOWOC—Richards H. C.
Smalley Mfg. Co. ("Smalley")
MILWAUKEE—Allis
Andrew Motor Mfg. Co. (Gas)
Beaver Mfg. Co., First & Oklahoma av
Milwaukee Auto Engine & Supply Co., 841 29th
Christensen Engineering Co. ("Badger" Gasoline, 2½ to 30 H. P. & Up)
Evinrude Motor Co. (Gas), 279 Walker
Haase Motor Works
Le Roi Co. (Gas), Mitchell & 60th av
Milwaukee Auto Engine & Supply Co.
SMITH T. L. CO. ("Smith"), 1151 32nd
Toepfer Frank Sons, 460 National av
Wisconsin Machinery & Mfg. Co., 51st & Burham
Wisconsin Motor Mfg. Co. (Gas), 44th av & Burnham
NEW HOLSTEIN—Lauson John Mfg. Co. ("Frost King" Gas & Gasoline)
Dorman H. C. Co. (Stationary & Marine)
Termaat & Monahan Mfg. Co. ("T. & M." Stationary & Marine)
PORT WASHINGTON—Gilson Mfg. Co. ("Gilson," "Goes Like Sixty" Gasoline, Small for Creameries, Washing Machines, etc)
RACINE—Sieverkropp Engine Co.
SCHLEISINGERVILLE—Standard Mach. Co. (Gas)
SHEBOYGAN—Globe Co. (Gasoline 1½ to 16 H. P.)
SHEBOYGAN FALLS—Falls Motors Corp.
SPARTA—Sparta Iron Works Co.
SUPERIOR—Duplex Mfg. Co. (Gasoline)
TWO RIVERS—Kahlenberg Bros. Co. (Marine)
WAUKESHA—Waukesha Motor Co. (Auto Motors)

## 4369— Engines (Garden)

Douglas W. & B., Middletown, Conn.

## 4370—Engines (Gas & Steam, Rebuilt)

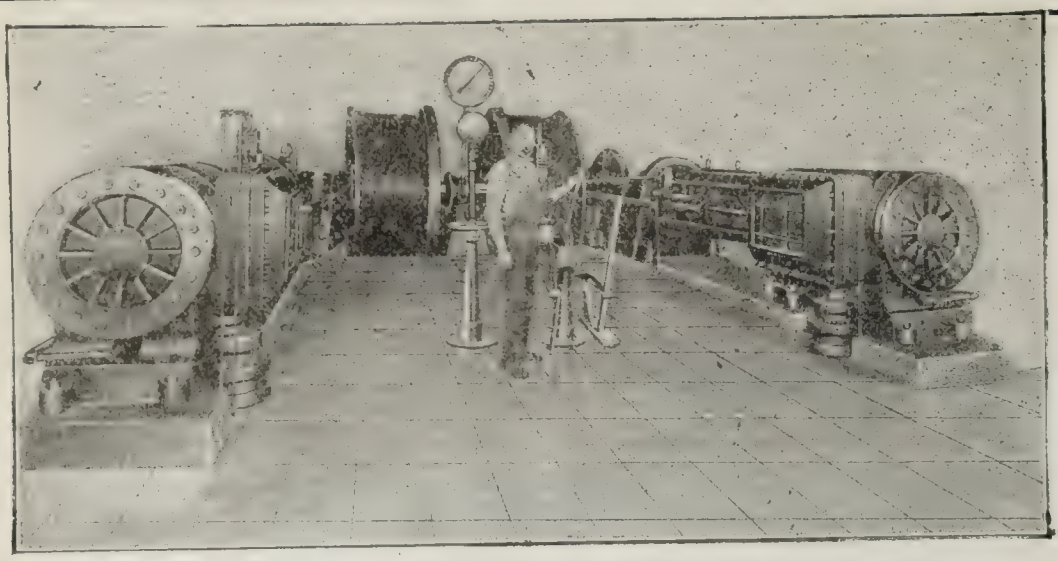
Marion Machine, Foundry & Supply Co., Marion, Ind.

## 4371—Engines (Gasoline Locomotive)

Pittsburgh Model Engine Co. (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsburgh, Pa.
S. R. Mfg. Co., Schenectady, N. Y.

## 4372— Engines (Haulage)

American Hoist & Derrick Co. (Double & Single Friction Drum), St. Paul, Minn.
Carlin John H. Machine Co., Pittsburgh, Pa.
Chase Machine Co. (Docking & Hauling Cars, etc), 2313 Elm, Cleveland, O.
Clyde Iron Works, Duluth, Minn.
*See adv index at end of book*
Connellsville Mfg. & Mine Supply Co. (Steam & Electric), Connellsville, Pa.
Crawford & McCrimmon Co., Brazil, Ind.
DETROIT HOIST & MACHINE CO., Detroit, Mich. *See adv index at end of book*
Fair Haven Foundry & Machine Co. (Inc.), Fair Haven, Vt.
Finch Mfg. Co., Scranton, Pa.
Galion Iron Works & Mfg. Co., Galion, O.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Lake Shore Engine Works, Marquette, Mich.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J
LIDGERWOOD MFG. CO., 96 Liberty, New York *See adv index at end of book*
Litchfield Foundry & Machine Co. (Endless Rope, Tail Rope), Litchfield, Ill.



We are builders of Halberts and Rays type cages, both light and heavy duty. Holmes patent double discharge hopper. Holmes automatic car lift for mine bottoms. Holmes shaker screens, Holmes adjustable end loaders, brass, aluminum, and bronze casting. Plate metal work of all descriptions, pertaining to coal mines.

We also build special machinery in compliance with your propositions.

DANVILLE hoisting engines should be part of your equipment, for without them your plant is not complete.

They will save you dollars and add years to your engineer's life. Let us tell you more about them.

ROBT. HOLMES & BROS., INC.

**30 Hazel St.,** **Danville, Ill.**

ENGINES (HAULAGE)—continued

Marion Machine Foundry & Supply Co., Marion, Ind.

Mauch Chunk Iron Works, Mauch Chunk, Pa.

Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.

Milholland J. & J. B. Co. (Endless Rope), 714 5th av, Pittsburgh, Pa.

Monighan Machine Co., 2032 Carroll av, Chicago, Ill.

Mundy J. S., Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*

National Hoisting Engine Co., Harrison, N. J.

Ottumwa Box Car Loader Co., Ottumwa, Ia.

Ottumwa Iron Works (Direct & Geared), Ottumwa, Ia.

Pittsburgh Model Engine Co., (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsburgh, Pa.

Puget Sound Iron & Steel Works, Tacoma, Wash.

Stine J. C. Co., Tyrone, Pa.

Stine S. B., Osceola Mills, Pa.

Street Bros. Machine Works, Chattanooga, Tenn.

Superior Iron Works Co. (Cable Haulage with Endless Rope), Superior, Wis.

Vulcan Iron Works, Wilkes-Barre, Pa.

Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*

## 4373— Engines (Hoisting)

See also Engines, Hoisting, Gas & Gasoline

### ALABAMA.

BIRMINGHAM—Hardie-Tynes Mfg. Co. (Steam & Electric)

### ARIZONA.

NOGALES—Roy & Titcomb

### CALIFORNIA.

LOS ANGELES—Fulton Engine Wks, 1000 Alhambra

OAKLAND—Doak Gas Engine Co.

SAN DIEGO—West Coast Gas Engine Co.

SAN FRANCISCO—Hendy Joshua Iron Works (Double Cylinder, etc), 75 Fremont

Murray Bros. Machine Works, 233 Folsom

### COLORADO.

DENVER—Denver Engineering Works Co. (All Kinds)

Denver Engineering Works Co. (All Kinds)

Mine & Smelter Supply Co.

### CONNECTICUT.

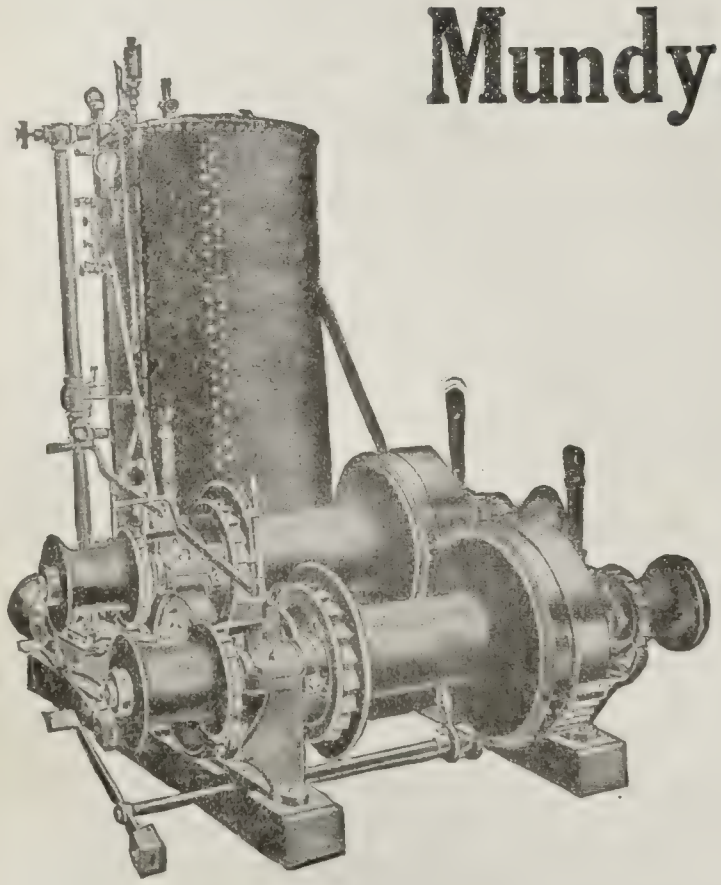
BRIDGEPORT—Coulter & McKenzie Machine Co.

### GEORGIA.

MARIETTA—Glover Machine Works

### ILLINOIS.

CHICAGO—Chicago Builders' Specialties Co., 11 So. La Salle.



# Mundy Hoisting Equipment

*FOR EVERY PURPOSE*

Steam, Electric or Gasoline drive
Derrick Engines
Logging Engines
Cableways
Dredging Engines
Cargo Winches
Steering Engines and Windlasses
Hoists built to meet special needs

J. S. MUNDY HOISTING ENGINE CO.

NEWARK NEW JERSEY

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago,
DANVILLE—Holmes Robt. & Bros., Inc.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.** (of New York), Fisher bldg
*See adv index at end of book*
Louer W. B. Co., 415 S Dearborn
**MACHINERY SALES CO.,** Old Colony bldg
Monighan Machine Co. (All Kinds), 2032 Carroll av
Moore Bros., 39 S La Salle
*See adv index at end of book*
United States Equipment Co., 208 S La Salle
LITCHFIELD—Litchfield Foundry & Machine Co. (First Motion)

### INDIANA.

BRAZIL—Crawford & McCrimmon Co.
MARION—Marion Machine Foundry & Supply Co.

### IOWA.

BURLINGTON—Murray Iron Works Co.
DES MOINES—Eagle Iron Works (Steam & Electric)
OTTUMWA—Ottumwa Box Car Loader Co.
Ottumwa Iron Works
WATERLOO—Armstrong Mfg. Co.
Waterloo Gasoline Engine Co.

### LOUISIANA.

NEW ORLEANS — **LIDGERWOOD MFG. CO.** (of New York), Woodward, Wight & Co. (Ltd.), Agents
*See adv index at end of book*

### MARYLAND.

BALTIMORE — **ELLICOTT MACHINE CORP.,** 1111 Bush
*See adv index at end of book*
Page Engineering Co., Clagett & Hull

### MASSACHUSETTS.

BOSTON—Bertelsen & Petersen Engineering Co., 256 Border
Mead-Morrison Mfg. Co. (Complete Line), Cor Prescott & Orleans, East Boston, Mass.

### MICHIGAN.

DETROIT—**DETROIT HOIST & MACHINE CO.**
*See adv index at end of book*
Jefferson Iron Works Co., 7 Jefferson av
GRAND HAVEN—Dake Engine Co., (Steam)
LANSING—Novo Engine Co. (Gas & Gasoline)
MARQUETTE—Lake Shore Engine Works (Corliss & Slide Valve)
SAGINAW—Bartlett A. F. & Co.
Jackson & Church Co.

### MINNESOTA.

DULUTH—Clyde Iron Works Sales Co.
*See adv index at end of book*

**Engines (Hoisting)**
Manufactured By
CLYDE IRON WORKS
**CLYDE IRON WORKS SALES CO.**
Sole Distributors
DULUTH, MINN.

National Iron Co.
ST. PAUL—American Hoist & Derrick Co.

### MISSOURI.

KANSAS CITY—American Gas Engine Co. ("Weber")
Faultless Engine Co., 1511 Cypress Co.
United Iron Works Co., Inc. (For Coal Mines, etc)
ST. LOUIS—Ellison Wm. & Sons Mfg. Co.
Mundy J. S. (of Newark, N. J.), (For All Purposes), 210 Washington av
Reliance Machine & Tool Works ("Reliance"), Channing & Franklin avs
South St. Louis Foundry Co., 7514 S B'way

### NEW JERSEY.

HARRISON—National Hoisting Engine Co. (For All Purposes)
NEWARK—Lambert Hoisting Engine Co., 117 Poinier
**MUNDY J. S. HOISTING ENGINE CO.** (For All Purposes), 722 Frelinghuysen av
*See adv index at end of book*

### NEW YORK CITY.

#### Boroughs of Manhattan and Bronx.

NEW YORK—Consolidated Gas & Gasoline Engine Co., 202 Fulton
**GODFREY-KEELER CO.** (Mine & Contractors), 70 Warren
*See adv index at end of book*
Haiss Geo. Mfg. Co. (Coal), 141st & Ryder av
Hoisting Engine Sales Co., Grand Central Terminal
Hoisting Machy. Co. (Steam & Electric), 50 Church
*See adv index at end of book*
Liberty Hoisting Engine Co., 283 Hudson
**LIDGERWOOD MFG. CO.,** 96 Liberty
*See adv index at end of book*
Pelham Operating Co., 410 W 26th

#### Borough of Queens.

Browning Victor R. & Co., College Point *See adv index at end of book*

#### Borough of Richmond.

WEST NEW BRIGHTON—**HUNT C. W. CO.** *See adv index at end of book*

**(End of New York City)**

### NORTH CAROLINA.

PINETOWN—Parker Surry

### OHIO.

CINCINNATI—Lane & Bodley Co., Tenn. av & Paddock rd
CLEVELAND—Browning, Sommer, Adams Co.
*See adv index at end of book*
Chase Machine Co. (Reversible, etc), 2313 Elm
Wellman-Seaver-Morgan Co.
*See adv index at end of book*
COLUMBUS—Weinman Pump Mfg. Co., 300 Spruce
MANSFIELD—Browning Victor R. & Co.
*See adv index at end of book*
RAVENNA—Byers John F. Machine Co. (All Kinds for All Purposes), 242 S Sycamore
*See adv index at end of book*
TOLEDO—Toledo Foundry & Machine Co.
Toledo Ship Building Co.
ZANESVILLE—Griffith & Wedge Co.

### OREGON.

PORTLAND—Portland Iron Works, 14th & Northrup
Willamette Iron & Steel Works

### PENNSYLVANIA.

BANGOR—Flory S. Mfg. Co. (All Kinds for All Purposes)
CONNELLSVILLE—Connellsville Mfg. & Mine Supply Co.
DANVILLE—Danville Iron & Steel Co.
HOBOKEN—Blaw-Knox Co. (Drums), Freeport rd
MAUCH CHUNK—Mauch Chunk Iron Works
PHILADELPHIA—American Engineering Co. ("Williamson," Frictional Spur & Worm Gear), Aramingo & Cumberland
**LIDGERWOOD MFG. CO.** (of New York)
*See adv index at end of book*
Morris I. P. Co. (Mine), Richmond & Norris
Mundy J. S. (For All Purposes), 1744 Market
PITTSBURGH—Brown Hoisting Machinery Co., Oliver bldg.
Carlin John H. Machine Co. (Steam & Electric)
**COLONIAL SUPPLY CO.,** 217 Water
*See adv index at end of book*
Green L. A., First Natl. Bank bldg
**LIDGERWOOD MFG. CO.** (of New York), Pittsburgh, Pa.
*See adv index at end of book*
Mesta Machine Co. (For Rolling Mills, etc), Box 1124
*See adv index at end of book*
Milholland J. & J. B. Co., 714 5th av
Pittsburgh Model Engine Co., (4, 6 & 8 Single Vertical), Lexington & McPherson, Pittsburgh, Pa.
PITTSTON—Exeter Machine Works (Steam & Electric)
READING—Orr & Sembower
SCRANTON—Allis-Chalmers Co. ("Allis," Steam), Finch Mfg. Co.
SHIPPENSBURG—Domestic Engine & Pump Co.
STROUDSBURG—Stroudsburg Engine Works (Gas or Gasoline)
WILKES-BARRE—Vulcan Iron Works

### TENNESSEE.

CHATTANOOGA—Patten Mfg. Co. (Single & Double Drum)
Street Bros. Machine Works (Steam)
JACKSON—Southern Engine & Boiler Mfg. Co. (2 to 50 H. P.)

### VERMONT.

FAIR HAVEN—Fair Haven Foundry & Machine Co.

### WASHINGTON.

SEATTLE—**LIDGERWOOD MFG. CO.** (of New York)
*See adv index at end of book*
Northwestern Iron Works
Seattle Machine Works, 51 W Lander
Washington Iron Works

### WEST VIRGINIA.

CHARLESTON—South Side Foundry & Machine Works

### WISCONSIN.

MANITOWOC—Manitowoc Ship Building Co. (Steam)
MILWAUKEE—Allis-Chalmers Mfg. Co. ("Allis," Steam)
Filer & Stowell Co.
Nordberg Mfg. Co., Chicago & Oklahoma
SUPERIOR—Superior Iron Works Co. ("Anchor")

## 4374—Engines (Hoisting, Contractors')

See also Engines, Hoisting

Browning, Sommer, Adams Co., Cleveland, O.; Mansfield, O.; & College Point, N. Y.
*See adv index at end of book*
**Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.**
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*

**Engines (Hoisting Contractors)**
Manufactured By
CLYDE IRON WORKS
**CLYDE IRON WORKS SALES CO.**
Sole Distributors
DULUTH, MINN.

**ELLICOTT MACHINE CORP.,** 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*

ENGINES (HOISTING, CONTRACTORS') —continued

**MUNDY, J. S. HOISTING ENGINE CO.**, 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*

West Coast Gas Engine Co., San Diego, Cal.

## 4375—Engines (Hoisting, Gas or Gasoline)

American Engng. Co. (For Marine Use), Aramingo av & Cumberland, Phila., Pa.
American Gas Engine Co. ("Weber"), Kansas City, Mo.
Armstrong Mfg. Co., Waterloo, Ia.
Bates & Edmonds Motor Co., Lansing, Mich.
Charter Gas Engine Co., Sterling, Ill.
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Domestic Engine & Pump Co., Shippensburg, Pa.
Fairbanks, Morse & Co. (Gas, Gasoline & Oil), 900 S Wabash av, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Jager Chas. J. Co. ("Mason Jager" Gasoline & Oil) 15 Custom House, Boston, Mass.
Lake Shore Engine Works (Gasoline, Hoisting & Pumping), Marquette, Mich.
Lauson-Lawton Co., De Pere, Wis.
**LIDGERWOOD MFG. CO.** (Also Steam), 96 Liberty, New York
*See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Mundy, J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
**O. K. Clutch & Machy. Co., Columbia, Pa.**
Roy & Titcomb, Nogales, Ariz.
Schramm Chris D. & Son, Inc., 709 Arch, Phila., Pa.
Standard Gas Engine Co. ("Frisco Standard", 5 to 175 H. P.), Oakland, Cal.
Union Gas Engine Co. ("Union", 5 to 100 H. P.), 351 Montgomery, San Francisco, Cal.
Waterloo Gasoline Engine Co., Waterloo, Ia.
West Coast Gas Engine Co., San Diego, Cal.

## 4376—Engines (Hoisting, Mine)

See also Engines, Hoisting; also Engines, Hoisting, Gas & Gasoline; also Hoists, Mine
Fulton Engine Wks, 1000 Alhambra, Los Angeles, Cal.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Mundy, J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
West Coast Gas Engine Co., San Diego, Cal.

## 4377—*Engines (Hoisting, Pneumatic)

**DETROIT HOIST & MACHINE CO.**, Detroit, Mich. *See adv index at end of book*

## 4378—Engines (Hoisting, Portable)

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York. *See adv index at end of book*
**MUNDY, J. S. HOISTING ENGINE CO.**, 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*

## 4379—*Engines (Incline Cableway)

See also Engines, Hoisting
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Mundy, J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*

## 4380— Engines (Jordan)

Black-Clawson Co., Hamilton, O.
Dillon Machine Co., Lawrence, Mass.
Emerson Mfg. Co. ("Emerson"), Lawrence, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Jones E. D. & Sons Co., Pittsfield, Mass.
McKim Foundry & Machine Co. (For Laboratories, Chemists, Color Mfrs. etc.), Lockport, N. Y.
Mills Machine Co., Lawrence, Mass.
Noble & Wood Mach. Co., Hoosick Falls, N. Y.
Smith & Winchester Mfg. Co., So Windham, Conn.

## 4380a—Engines (Kerosene)

See also Engines, Oil
Baltimore Oil Engine Co., Eastern av & 31st st, Balto, Md.
Fairbanks Co., 416 Broome, New York
Consolidated Gas & Gasoline Engine Co., 202 Fulton, New York
Minneapolis Steel & Machinery Co. (Heavy Duty), 29 & Minnehaha, Minneapolis, Minn.
**SMITH T. L. CO.** ("Smith"), 1151 32nd, Milwaukee, Wis.
*See adv index at end of book*
Standard Gas Engine Co. ("Frisco Standard"), Oakland, Cal.
**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York
*See adv index at end of book*

## Engines (Locomotive Traction)

See Locomotives, Dirt Road

## 4381— Engines (Logging)

See also Engines, Hoisting
**Byers Jno. F. Machine Co., 242 So Sycamore, Ravenna, O.**
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*

**Engines (Logging)**
Manufactured By
CLYDE IRON WORKS
**CLYDE IRON WORKS SALES CO.**
Sole Distributors
DULUTH, MINN.

**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
Mundy, J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Street Bros. Machine Works, Chattanooga, Tenn.
Willamette Iron & Steel Works, Portland, Ore.

## 4382—Engines (Marine, Gasoline)

See also Engines, Automobiles! also Engines, Gas or Gasoline; also Motor Boat, Launch & Yacht Builders
Anderson Engine Co. (2½ to 150 H. P.), 4036 N Rockwell, Chicago, Ill.
Atlantic Boat Co., Amesbury, Mass.
Austin Automobile Co., Grand Rapids, Mich.
Auto Engine Works, University & Griggs av, St. Paul, Minn.
Automatic Machine Co. ("Automatic"), Bridgeport, Conn.
Barber Bros., Syracuse, N. Y.
Barker C. L., Norwalk, Conn.
Belle Isle Boat & Engine Co., Detroit, Mich.
**Bethlehem Steel Co., So. Bethlehem, Pa.**
Black Rock Mfg. Co., Bridgeport, Conn.
Blount Engineering Co. ("Blount"), 100 High, Boston, Mass.
Brennan Motor Mfg. Co. (2-4-6 Cylinder), Syracuse, N. Y.
Bridgeport Motor Co., Bridgeport, Conn.
Buffalo Gasoline Motor Co. (2 to 100 H. P., 4 Cycle), Buffalo, N. Y.
Cady C. N. Co., Canastota, N. Y.
Caille Perfection Motor Co. ("Perfection"), 2d & Amsterdam, Detroit, Mich.
Camden Anchor-Rockland Machine Co. ("Knox" 2 Cycle, Stationary & Marine), Camden, Me.
Chadwick Engineering Works ("Chadwick"), Pottstown, Pa.
Clinton Walter R. (2 to 60 H. P.), West Haven, Conn.
Clipper Lawn Mower Co. (2 to 8 H. P.), Dixon, Ill.
Continental Motor Mfg. Co., Muskegon, Mich.
Cooley, Wright Mfg. Co., Waterbury, Vt.
Corliss Gas Engine Co., 440 Market, San Francisco, Cal.
Cushman Motor Works, Lincoln, Neb.
Daman H. C. Co., Oshkosh, Wis.
Davis Mfg. Co., Milwaukee, Wis.
Detroit Engine Works (2 to 20 H. P.), Kerchevl & Connors, Detroit, Mich.
Doak Gas Engine Co., Oakland, Cal.
Driggs Ordnance & Mfg. Corp., New Haven, Conn.
Duluth Gas Engine Works ("Little Giant"), Duluth, Minn.
Dutcher Machine Co., Fulton, N. Y.
Dundon's Iron Wks., 225 Folsom, San Francisco, Cal.
Dunn Walter E., Ogdensburg, N. Y.
Eau Claire Mfg. Co. ("White"), Eau Claire, Wis.
Enterprise Foundry Co., 20 Stewart, San Francisco, Cal.
Enterprise Machinery Co., 1600 8th, Minneapolis, Minn.
Erd Motor Co. (Gas), Saginaw, Mich.
Essex Engine Co. ("Essex"), Lynn, Mass.
Evarts Machine Co. (1½ H. P.), Hartford, Conn.
Evinrude Motor Co., 279 Walker, Milwaukee, Wis.
Fairbanks Co., 416 Broome, New York
Fairbanks Morse & Co., Sheffield Plant, Three Rivers, Mich.
Falls Motors Corp., Sheboygan Falls, Wis.
Fay & Bowen Engine Co. (5 to 75 H. P.), Geneva, N. Y.
Fifield Bros. Co. ("Capitol"), Augusta, Me.
Fitzhenry E. L. & Co., 49 Washington, N. Boston, Mass.
Frazer Bros. Co. ("Frazer-Adams"), Adams, N. Y.
Frontier Engine Works, 9 Perry, Buffalo, N. Y.
Fulton Mfg. Co., Erie, Pa.
Gas Engine & Power Co., & Charles L. Seabury & Co. ("Speedway," also Naptha), Morris Heights, N. Y.
Gooddell Zina ("Naumkeg"), 88 Lafayette, Salem, Mass.
Grand Rapids Gas Engine & Yacht Co. ("Monarch"), Grand Rapids, Mich.
Gray Motor Co. (1, 2 & 3 Cylinder, 3 to 30 H. P.), Det. Term. R. R. & Mack, Detroit, Mich.
**GRAY & PRIOR MACHINE CO.** ("Hartford"), 96 Suffield, Hartford, Conn.
*See adv index at end of book*
Great Lakes Engineering Works, Real Est. Exch. bldg, Detroit, Mich.
Greenville Implement Co., Greenville, Mich.
Harms Bros. ("Eclipse"), 1730 Thames, Baltimore, Md.
Harris Engine Co. ("Harris" 5 to 200 H. P.), Front & Orange, Wilmington, Del.
Herschell-Spillman Co., North Tonawanda, N. Y.
Hettinger Engine Co. (6 H. P. to 50 H. P.) Bridgeton, N. J.
Hoosier Motor Co., Goshen, Ind.
Hubbard Motor Co. (2 & 4-Cycle), Middletown, Conn.
Jager Chas. J. Co. ("Mason Jager" 2, 4, 6 & 8 Cylinder, 10 to 160 H. P.), 15 Custom House, Boston, Mass.
Johnson Carlyle Machine Co., Manchester, Conn.
Jones S. M. Co. ("Ralaco" 4 to 100 H. P.), Toledo, O.
Jones & Schumacher, 1100 West, Wilmington, Del.
Kahlenberg Bros. Co. ("Kahlenberg" Self-Starting, Reversing, ½ & 3 Cylinder, up to 75 H. P.), Two Rivers, Wis.
Kermath Mfg. Co., 45 Fort, E Detroit, Mich.
Lackawanna Mfg. Co. (Valveless Reversible), Ballston Spa, N. Y.
Lake Shore Engine Works ("New Superior" 2 & 4-Cycle), Marquette, Mich.
Lamont Alex., 1470 Jefferson, Detroit, Mich.
Landis, E. M., Toledo, O.
Lathrop Jas. W. Co., Mystic, Conn.
Leighton H. J., Syracuse, N. Y.
Lockwood Ash Motor Co., Jackson, Mich.
Mechanics' Foundry & Machine Co. ("Mechanics"), Fall River, Mass.
McDuff Wm. J., Lakeport, N. H.
Michigan Steel Boat Co. (Marine), Kerchevl & Connors, Detroit, Mich.
Midwest Engine Co., 1900 Martindale, Indianapolis, Ind.

Miller Engine Co., 2329-31 N Talman av, Chicago, Ill.
Milwaukee Auto Engine & Supply Co., 841 29th, Milwaukee, Wis.
Missouri Engine Co., St. Louis, Mo.
Morton Motor Co., 974 E Garfield, Detroit, Mich.
Murray & Tregurtha Co., 340 W First, Boston, Mass.
National Marine Engine Wks., Inc., Scranton, Pa.
Neponset Engine & Machine Co. ("Rex," 6 to 18 H. P.), Neponset, Boston, Mass.
New London Motor Co., New London, Conn.
N. Y. Yacht, Launch & Engine Co. ("20th Century"), Morris Heights, N. Y.
Niagara Motors Corp., Ellicott sq., Buffalo, N. Y.
Nichols & Wright Motor Co., Buffalo, N. Y.
Northwestern Motor Co., 759 Spring, Eau Claire, Wis.
Novo Engine Co., Lansing, Mich.
Pacific Marine Iron Works, East Water & Main, Portland, Ore.
Page Engineering Co. ("Oriole," Gas), Clagett & Hull, Baltimore, Md.
Palmer Bros., Coscob, Conn.
Peerless Marine Motor Co., 2150 Niagara, Buffalo, N. Y.
Pennsylvania Iron Works Co. ("Globe"), Eddystone, Pa.
Providence Engineering Corp., 521 South Main, Providence, R. I.
Regal Gasoline Engine Co., Coldwater, Mich.
Richards Iron Works, Manitowoc, Wis.
Roberts Motor Co., Sandusky, O.
Rochester Gas Engine Co., Rochester, N. Y.
S. R. Mfg. Co. ("Mohawk"), Schenectady, N. Y.
St. Louis Gas & Gasoline Engine Co. (Up to 500 H. P.), 2615 De Kalb, St. Louis, Mo.
Schaefer Mfg. Co., Berlin, Wis.
Scheppele Chas. A., Dubuque, Ia.
Schlosser Mfg. Co., 151 E 126th, New York
Scripps Motor Co., 629 Lincoln av, Detroit, Mich.
Seattle-Astoria Iron Works, Seattle, Wash.
Skamdia Pacific Oil Engine Co. ("Skamdia" Hot Ball Semi Diesel, 9 H. P. to 500 H. P.), Oakland, Cal.
Smalley-General Co., Bay City, Mich.
Stamford Motor Co ("Snecker"), Stamford, Conn.
Torrington Co. The, Standard Plant ("Eagle"), Torrington, Conn.
Standard Gas Engine Co. ("Frisco Standard" 5 to 175 H. P.), Oakland, Cal.
Standard Motor Const. Co. (75 H. P., up), 180 Whiton, Jersey City, N. J.
Standard Oil Engine Co., Bridgeport, Conn.
Stanley Co., Salem, Mass.
Sterling Engine Co. (8 to 100 H. P. & 4 Cycle), Buffalo, N. Y.
Strelinger Marine Engine Co., 25 St. Aubin, Detroit, Mich.
Termaat & Monahan Mfg. Co. (Reversing), Oshkosh, Wis.
Thomas E. R. Motor Co., Buffalo, N. Y.
Trump Bros. Machine Co. ("Pilot"), Beech & Anchorage, Wilmington, Del.
Union Gas Engine Co. ("Union" 5 to 600 H. P.), 351 Montgomery, San Francisco, Cal.
Universal Machine Co., Bowling Green, O.
Universal Motor Co., Oshkosh, Wis.
Valley Boat Co., Saginaw, Mich.
Van Blerck Motor Co. (High speed Engines 75 to 200 H. P. for High Speed Runabouts & Express Cruisers), 30 Church, New York
Vim Motor Co., Sandusky, O.
Waterman Motor Co., 235 Mt. Elliott, Detroit, Mich.
Watkins Motor Co., 828 W 6th, Cincinnati, Ohio
Western Machy Co., 900 N Main, Los Angeles, Cal.
White Chas. Gas Engine Co., Scott & McHenery, Baltimore, Md.
Williams J. H. Co. (Forgings), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Winton Engine Wks. (4-Cycle 75 H. P. & Up), Cleveland, O.
Wisconsin Machinery & Mfg. Co., 51st & Burnham, Milwaukee, Wis.
Wolverine Motor Works (18 to 100 H. P. 4-Cycle), Bridgeport, Conn.

## 4383— Engines (Marine, Oil)

Astoria Marine Iron Works, Astoria, Ore.
Bolinders Co. (Imp), 30 Church, New York
Burnoil Engine Co., South Bend, Ind.
Busch-Sulzer Bros. Diesel Engine Co. (120 to 1,000 H. P.), 2d & Utah, St. Louis, Mo.
Craig Jas., Garfield av, Jersey City, N. J.
De La Vergne Machine Co., Ft. E. 138th, New York.
Enterprise Fdy. Co., 20 Stewart, San Francisco, Cal.
Fairbanks, Morse & Co. (Type "C-O" Oil), 900 S. Wabash av, Chicago, Ill.
Fairbanks Morse & Co. (Crude Oil), Sheffield Plant, Three Rivers, Mich.
Fulton Mfg. Co. (Diesel Type), Erie, Pa.
Jager Chas. J. Co., ("Mason-Jager"), 15 Custom House, Boston, Mass.
Johannsen H. S. ("Skandea" Fuel from 5 to 500 H. P.), 50 Church, New York
Mietz August Corp. ("Mietz" & "Weiss"), 430 E 19th, New York
Missouri Engine Co. (Up to 60 H. P.), St. Louis, Mo.
New London Ship & Engine Co. ("Diesel Type"), Groton, Conn.
Rathbun-Jones Engineering Co. ("Price-Rathbun"), 841 Spencer, Toledo, O.
Samson Iron Works, Stockton, Cal.
Skamdia Pacific Oil Engine Co. ("Skamdia" Hot Ball & Semi Diesel 9 H. P. to 500 H. P.), Oakland, Cal.
Vulcan Gas Engine Works, 1827 Bainbridge Phila., Pa.
Western Machy Co., 900 N Main, Los Angeles, Cal.

## Engines (Marine, Portable)

See Motors, Rowboat, Detachable

## Engines (Marine Railway)

See Engines, Hoisting

## 4384—Engines (Marine, Steam)

**This Trade is Duplicated under Engines, Steam**

American Ship Building Co., ft of W 54th, Cleveland, O.
Astoria Marine Iron Wks., Astoria, Ore.
Atlantic Works, 80 Border, E B, Boston, Mass.
Augustine Automatic Rotary Engine Co., Buffalo, N. Y.
Badenhauser Co., Rialto bldg, San Francisco, Cal.
Baltimore Dry Dock & Ship Bldg. Co., Ft East Fort av, Baltimore, Md.
Bartlett A. F. & Co., Saginaw, Mich.
Bath Iron Works, Ltd., Bath, Me.
Bay State Iron Works, Erie, Pa.
Bound Brook Engine & Mfg. Co. ("American Ball"), 1425 Chestnut, Phila., Pa.
Buckeye Engine Co. ("Buckeye" Triple Expansion), Salem, O.
Burton & Johnson Co., 2301 Center av Cleveland, O.
Cahill W. S. Co., Key Highway & Webster, Baltimore, Md.
Chicago Ship Building Co., 101st & Calumet River, Chicago, Ill.
Codd, E. J. Co., 700 S Caroline, Baltimore, Md.
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Cramp Wm. & Sons, Ship & Engine Bldg. Co., Beach & Ball, Phila., Pa.
Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
Evans C. H. & Co., 187 Fremont, San Francisco, Cal.
Fletcher W. & A. Co., Hoboken, N. J.
Flynn W. S., 76 Hudson, Jersey City, N. J.
Fore River Shipbuilding Corp., Quincy, Mass.
Golden State & Miners' Iron Works, 249 1st, San Francisco, Cal
Heffernan Engine Works, Seattle, Wash.
Herreshoff Mfg. Co., Bristol, R. I.
HOOVEN, OWENS, RENTSCHLER CO., Hamilton, O. *See adv index at end of book*
High Speed Engine Corp., 9 Clinton, Newark, N. J.
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Knowlson & Kelley Co., Troy, N. Y.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Manistee Iron Works Co., Manistee, Mich.
Manitowoc Ship Building Co., Manitowoc, Wis.
Marine Engine & Boiler Co., Philpot & Point, Baltimore, Md.
Marine Iron Works, 2036 Dominick, Chicago, Ill.
Maryland Steel Co., Sparrows Point, Md.
Merrill-Stevens Shipbuilding Corp., Jacksonville, Fla.
Morris Machine Works (1½ to 1000 H. P.) Baldwinsville, N. Y.
New London Marine & Iron Works, New London, Conn.
Newport News Ship Building & Dry Dock Co., 233 B'way, New York
Northwestern Iron Works, Seattle, Wash.
Ogdensburg Machine Co., Ogdensburg, N. Y.
Old Dominion Marine Railway Corp'n, Berkley, Va.
Orr & Sembower, Reading, Pa.
Pioneer Machine Works (Jas. Hartley, Prop.), 75 Delevan, Brooklyn, N. Y.
Portland Co. (Compound & Triple Expansion), Portland, Me.
Providence Engng. Corp., S Main, Providence, R. I.
Puget Sound Machinery Depot, 318-1st Av, So. Seattle, Wash.
Pusey & Jones Co., Wilmington, Del.
Quintard Iron Works Co., 742 E 12th, New York
Richards Iron Works, Manitowoc, Wis.
Schantz & Eckert, Perth Amboy, N. J.
Seattle Construction & Dry Dock Co., Seattle, Wash.
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Sullivan John W. Co. (Compound & Triple Expansion), 827 E 9th, New York
Superior Ship Building Co., Superior, Wis.
Toledo Foundry & Machine Co., Toledo, O.
Toledo Ship Building Co., Toledo, O.
Trout H. G. Co., Buffalo, N. Y.
VULCAN IRON WORKS, INC., Hudson & Essex, Jersey City, N. J.
Ward Chas. Engineering Works, Charleston, W. Va.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*
Willamette Iron & Steel Works, Portland, Ore.

## 4385—*Engines (Mining, Steam)

Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Power & Mining Machinery Co., 115 B'way, New York

## Engines Mounted on Wheels

See Engines, Portable on Wheels

## 4386— Engines (Naphtha)

American Gas Engine Co. ("Weber"), Kansas City, Mo.
Armstrong Mfg. Co., Waterloo, Ia.
Charter Gas Engine Co., Sterling, Ill.
Gas Engine & Power Co. & Chas. L. Seabury & Co., Morris Heights, N. Y.
Waterloo Gasoline Engine Co., 625 Milet, Waterloo, Ia.

## 4387— Engines (Oil)

See also Engines, Alcohol

Acme Oil Engine Co., Bridgeport, Conn.
Advance Rumely Co. ("Oilturn" Kerosene & Distillate, 30 to 60 H. P.), La Porte, Ind.
Alamo Mfg. Co. (Kerosene), Hillsdale, Mich.
Allis-Chalmers Mfg. Co. ("diesel"), Milwaukee, Wis.
American Gas Engine Co. ("Weber"), Kansas City, Mo.
American Tractor & Foundry Co., Charles City, Ia.
Anderson Engine Co. (Kerosene), 4036 N Rockwell, Chicago, Ill.
Anderson Foundry & Machine Works (Crude Oil), Anderson, Ind.
Appleton Mfg. Co. (Kerosene), Batavia, Ill.
Aultman & Taylor Machinery Co. (Kerosene Tractor), Mansfield, O.
Armstrong Mfg. Co., Waterloo, Ia.
Baltimore Oil Engine Co., Eastern av & 31st, Balto, Md.
Bauer Machine Works Co. (20 to 50 H. P.), Kansas City, Mo.
Bessemer Gas Engine Co. ("Bessemer" Crude Oil, 5 to 350 H. P.), Grove City, Pa.

ENGINES (OIL)—continued

**BUFFALO FOUNDRY & MACHINE CO.** (Fuel Oil), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*

Burkett Mfg. Co., 162 W. Spring, Columbus, O.

Burlingame S. F., Worcester, Mass.

Burnoil Engine Co., South Bend, Ind.

Busch-Sulzer Bros.-Diesel Engine Co. (120 to 1,000 H. P.), 2d and Utah, St. Louis, Mo.

Challenge Co. (Kerosene), Batavia, Ill.

Chambersburg Foundry & Machine Co. (Kerosene), Chambersburg, Pa.

Christensen Engineering Co. (Kerosene), Milwaukee, Wis.

Charter Gas Engine Co. ("Sterling," Alcohol, Kerosene & Oil), Sterling, Ill.

Clay Engine Mfg. Co., 864 E 72nd, Cleveland, O.

Continental Machine & Fdry Co., 517 Ins. Exchange bldg, Chicago, Ill.

Corliss Gas Engine Co., 440 Market, San Francisco, Cal.

Covington Machine Co., Covington, Va.

Crawford Mill Supply Co., Winston-Salem, N. C.

De La Vergne Machine Co. ("Hornsby-Akroyd"), ft E 138th, New York

Detroit Engine Works (Kerosene & Coal Oil, 2 to 20 H. P.), Kerchevl & Connors, Detroit, Mich.

Doak Gas Engine Co., Oakland, Cal.

**DODGE SALES & ENGINEERING CO.,** Mishawaka, Ind.

Edwards Motor Co. (Kerosene), Springfield, Mass.

Dunn Walter E., Ogdensburg, N. Y.

Ellis Engine Co. ("Ellis," Kerosene, 3 to 12 H. P.), 2843 E. Grand blvd, Detroit, Mich.

Emerson-Brantingham Co. ("E-B" Kerosene), Rockford, Ill.

Erie Forge Co., Erie, Pa.

MacElvoy Engine Co. (Kerosene), Newark, N. J.

Fairbanks, Morse & Co. ("Fairbanks-Morse" Type "Z" & Type "Y" Kerosene or Crude Oil), 900 S Wabash av, Chicago, Ill.

Fairmont Gas Engine & Railway Motor Car Co. (Gasoline & Kerosene), Fairmont, Minn.

Fay & Bowen Engine Co. (Kerosene), Geneva, N. Y.

Foos Gas Engine Co. (Kerosene, 6 to 60 H. P.), 800 Monroe, Springfield, O.

Fuller & Johnson Mfg. Co. (Kerosene), Madison, Wis.

Fulton Iron Works Co. (Diesel), 1295 Delaware av, St. Louis, Mo.
*See adv index at end of book*

Grand Rapids Gas Engine & Yacht Co. ("Monarch" Kerosene), Grand Rapids, Mich.

Gray Motor Co. (Kerosene), Detroit Terminal R. R. & Mack, Detroit, Mich.

**GRAY & PRIOR MACHINE CO.** (Marine, Kerosene), 96 Suffield, Hartford, Conn.
*See adv index at end of book*

Hoyer Engineering Co. (Kerosene), 281 Grove, Milwaukee, Wis.

Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*

International Harvester Company of America (Inc.), ("International"; 1 to 10 H. P.), Harvester bldg, Chicago, Ill.

International Lubricants Co., Ltd. ("Acrus"), 350 N Clark, Chicago, Ill.

Jacobson Gas Engine Co., Saratoga, Springs, N. Y.

Johnston & Jenning Co., ("Loomis" 25 to 100 H. P.), Addison rd & N. Y. C. R., Cleveland, O. *See adv index at end of book*

Jones Oil Engine Corp. (Semi Diesel Type), Syracuse, N. Y.

Kahlenberg Bros. Co. ("Kahlenberg" Kerosene Marine, up to 75 H. P.), Two Rivers, Wis.

Krajewski-Pesant Cork, 50 Broad, New York

Lackawanna Mfg. Co. ("Lackawanna," Petroleum), Ballston Spa, N. Y.

Lauson John Mfg. Co. (Kerosene & Distillate), New Holstein, Wis.

Midwest Engine Co. ("Diesel" 300 to 1000 H. P.), Indianapolis, Ind.

McDuff Wm. J., Lakeport, N. H.

McEwen Bros., Wellsville, N. Y.

McIntosh & Seymour Corp. ("Diesel" Type), Auburn, N. Y.

Mietz August Corp. ("Mietz" Kerosene, Fuel & Crude Oil), 430 E 19th, New York

Missouri Engine Co., St. Louis, Mo.

Muncie Oil Engine Co. ("Muncie," 10 to 200 H. P.), Muncie, Ind.

National Steam Pump Co. (8 to 60 H. P.), Upper Sandusky, O.

**NATIONAL TRANSIT PUMP & MACHINERY CO.,** (5 to 500 H. P.), Oil City, Pa.
*See adv index at end of book*

New York Engine Co. (Diesel Type), 165 B'way, New York

Nordberg Mfg. Co. (50 H. P. & Up), Chicago & Oklahoma, Milwaukee, Wis.

Novo Engine Co. (Kerosene), Lansing, Mich.

Ottawa Mfg. Co., Ottawa, Kans.

Otto Gas Engine, 33d & Walnut, Phila., Pa.

Petroleum Engine & Mfg. Co., 120 B'way, New York

Phenix Truck Makers, Inc., 4948 Bloomingdale rd, Chicago, Ill.

Pittsburgh Filter Mfg. Co., Farmers' Bank bldg, Pittsburgh, Pa.

Polo Machine Co., Polo, Ill.

**Pohl Geo. D. Mfg. Co., Vernon, N. Y.**

Power Mfg. Co. ("Primm" Crude Oil), Marion, O.

Rawleigh W. T. Co. (Kerosene), Freeport, Ill.

Reliable Engine Co. (Kerosene), Portsmouth, O.

Remington Oil Engine Co. (6 to 110 H. P., Marine & Stationary), Stamford, Conn.

St. Mary's Oil Engine Co., St. Charles, Mo.

Salamanca Engine-Iron Co. (Kerosene), Salamanca, N. Y.

Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.

Smalley-General Co. (Kerosene), Bay City, Mich.

Southwark Foundry & Machine Co. (Diesel Type), 430 Washington av, Phila., Pa.

Standard Fuel Oil Engine Co., Willoughby, O.

Standard Gas Engine Co. ("Frisco Standard"), (Kerosene 5 to 175 H. P.), Oakland, Cal.

Standard Motor Const. Co. (Marine), 180 Whiton, Jersey City, N. J.

Standard Oil Engine Co. ("Semi-Diesel" Type), Bridgeport, Conn.

Superior Gas Engine Co. (Crude), Springfield, O.

Turner Mfg. Co. (Kerosene), Port Washington, Wis.

Union Gas Engine Co., 351 Montgomery, San Francisco, Cal.

Venn-Severin Machine Co., 1317 W North, Chicago, Ill.

Wadsworth Mfg. Co. ("Sandow," Kerosene, Coal Oils, etc., 2 to 20 H. P.), Kerchevl & Connors Creek, Detroit, Mich.

Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.

West Chester Engine Co. (Kerosene), West Chester, Pa.

West Coast Gas Engine Co., San Diego, Cal.

Western Machy. Co., 900 N Main, Los Angeles, Cal.

**WORTHINGTON PUMP & MACHINERY CORP.** ("Ingeco" Diesel), 115 B'way, New York *See adv index at end of book*

## 4388— Engines (Oil, Crude)

**AMERICAN CLAY MACHINERY CO. (THE),** So. Walnut, Bucyrus, Ohio
*See adv index at end of book*


FUEL OIL ENGINES

Diesel Type

*50 H.P. and Up*

The American Clay Machinery Co.

Bucyrus, O., U. S. A.


Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.

**INGERSOLL-RAND CO.,** 11 B'way, New York *See adv index at end of book*

**JOHNSTON & JENNINGS CO.,** ("Loomis" 25 to 100 H. P.), Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*

Midwest Engine Co. ("Diesel" 300 to 1000 H. P.), Indianapolis, Ind.

**NATIONAL TRANSIT PUMP & MACHINE CO.,** (5 to 1600 H. P.), Oil City, Pa.
*See adv index at end of book*

Superior Gas Engine Co. (25 to 200 H. P.), Springfield, Ohio

Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.

**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 4389—*Engines (Pile Driving)

See also Engines, Hoisting

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
***See adv index at end of book***

Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*


ENGINES (PILE DRIVING)

Manufactured By

CLYDE IRON WORKS

CLYDE IRON WORKS SALES CO.

Sole Distributors

DULUTH, MINN.


**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*

**MUNDY J. S. HOISTING ENGINE CO.,** 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*

## Engines (Pneumatic)

See Engines, Compressed Air; also Pneumatic Motors

## 4390—Engines (Poppet Valve)

Erie City Iron Works ("Lentz" Patent), Erie, Pa.

**HOOVEN OWENS, RENTSCHLER CO.** ("Hamilton" Uniflow), Hamilton, Ohio
*See adv index at end of book*

Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.

Skinner Engine Co., Erie, Pa.

**VILTER MFG. CO.,** 1046 Clinton, Milwaukee, Wis.
*See adv index at end of book*

## 4391—Engines (Portable, on Wheels)

Gas, Gasoline, Naphtha, Etc

See also Engines, Hoisting, Portable; Engines, Traction; Engine, Portable, Steam

Abenaque Machine Works (Gasoline), Westminster Station, Vt.

Acme Engine Co. (Gasoline), Lansing, Mich.

American Gas Engine Co. ("Weber" 2 to 400 H. P.), Kansas City, Mo.

**AMES IRON WORKS** ("Vim," Agricultural), Oswego, N. Y.

Armstrong Mfg. Co., Waterloo, Ia.

Buckeye Mfg. Co. ("Lambert" Gas & Gasoline, 2 to 20 H. P.), Anderson, Ind.

Buffalo Pitts Co., Buffalo, N. Y.

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*

Case J. I. Threshing Machine Co., Racine, Wis.

Chambersburg Foundry & Machine Co., Chambersburg, O.

Charter Gas Engine Co. ("Charter" Gasoline), Sterling, Ill.

Dice Machine Co. (Gasoline), Anderson, Ind.

Doak Gas Engine Co., Oakland, Cal.

Fairbanks, Morse & Co. (Gasoline & Kerosene), 900 S Wabash av, Chicago, Ill.

Farquhar A. B. Co. (Ltd.) (4 to 50 H. P.), York, Pa.

Foos Gas Engine Co. (6 to 35 H. P.), 800 Monroe, Springfield, O.

Good Roads Machinery Co., Kennett Square, Pa.

Huber Mfg. Co., Marion, O.

Hydraulic Press Mfg. Co. (Gasoline), Mt. Gilead, O. *See adv index at end of book*

International Harvester Company of America (Inc.), (International), Harvester bldg, Chicago, Ill.

Kansas City Engine Works (1½ to 8 H. P.), Kansas City, Mo.

Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.

Messinger Mfg. Co., Tatamy, Pa.

Salem Iron Works, Winston Salem, N. C.

Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Stover Mfg. & Engine Co. (Gasoline Single Rod), Freeport, Ill.
Thompson Plow & Engine Works (Gasoline), Beloit, Wis.
Union Gas Engine Co. (Gas), 351 Montgomery, San Francisco, Cal.
Willard-Middletown Machine Co., Covington, Ky.

## 4392—Engines (Portable, Steam)

**AMES IRON WORKS** ("Vim," 6 to 50 H. P.), Oswego, N. Y.
**Bay State Iron Works, Erie, Pa.**
**Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.**
*See adv index at end of book*
Case J. L. Threshing Machine Co., Racine, Wis.
Chandler & Taylor Co., Indianapolis, Ind.
Clark Engine & Boiler Co. (3 to 90 H.P.), Kalamazoo, Mich.
**Enterprise Co. (25 to 70 H. P.), Columbiana, O.**
**Erie Engine Works (6 to 50 H. P.), Erie, Pa.**
**Lane & Bodley Co., Tenn. av & Paddock rd, Cincinnati, O.**
**Nagle Engine & Boiler Works (6 to 50 H. P.), Erie, Pa.**
**Oil City Boiler Works (4 to 40 H. P.), Oil City, Pa.**
**Union Iron Works Co., 20th & Michigan, San Francisco Cal.**
**Walsh & Weidner Boiler Co., Chattanooga, Tenn.**

## 4393—Engines (Producer Gas)

**Allis-Chalmers Mfg. Co. ("Allis"), Milwaukee, Wis.**

## 4394— Engines (Pumping)

**See also following headings**

American La France Fire Engine Co., Elmira, N. Y.
Byron Jackson Iron Wks., Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
Consolidated Gas & Gasoline Engine Co., 202 Fulton, New York
Ellicott Machine Corp., 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Fuller & Johnson Mfg. Co. (For Town Use), Madison, Wis.
**HOOVEN OWENS, RENTSCHLER CO.**, Hamilton, Ohio
Luitwieler Pumping Engine Co., 123 Ames, Rochester, N. Y.
Union Gas Engine Co. (5 to 600 H. P.), Oakland, Cal.
**Vogt Bros. Mfg. Co., Louisville, Ky.**

## 4395—Engines (Pumping, Deep Well)

**Allis-Chalmers Mfg. Co. ("Allis"), Milwaukee, Wis.**
**American Gas Engine Co. ("Weber"), Kansas City, Mo.**
**American Steam Pump Co., Battle Creek, Mich.**
**American Well Works, Aurora, Ill.**
**Armstrong Mfg. Co., Waterloo, Ia.**
**Bremen Mfg. Co. ("Bremen," "Caloric," Noiseless), Bremen, O.**
**Cameron A. S. Steam Pump Works** (Steam), Bowling Green bldg., New York *See adv index at end of book*
**Cook August D., Lawrenceburg, Ind.**
**Domestic Eng. & Pump Co., Shippensburg, Pa.**
**Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.**
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Herron R. H. Co., 934 N. Alemeda, Los Angeles, Cal.
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
**Luitwieler Pumping Engine Co. (Gasoline, Electric, Steam & Belt Driven), Rochester, N. Y.**
**Union Steam Pump Co., Battle Creek, Mich.**
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*

## 4396—Engines (Pumping, Gas & Gasoline)

**See also Engines, Gas & Gasoline**

**Advance Mfg. Co., Hamilton, O.**
Aerothrust Engine Co., La Porte, Ind.
**Allman Gas Engine & Machine Co., 461 Canal, New York**
**American Blakeslee Mfg. Co., Birmingham, Ala.**
**American Gas Engine Co. ("Weber"), Kansas City, Mo.**
American La France Fire Engine Co., Elmira, N. Y.
**American Well Works, Aurora, Ill.**
**Armstrong Mfg. Co., Waterloo, Ia.**
Barber Bros. (Gasoline), Syracuse, N. Y.
Bethlehem Steel Co. ("Bethlehem," Steel Gas, Embraces Vertical Triple Expansion High Duty), South Bethlehem, Pa.
**Bremen Mfg. Co. ("Caloric"), Bremen, O.**
**Buckeye Engine & Foundry Co., Joliet, Ill.**
**Callahan W. P. Co., Dayton, O.**
**Capital Gas Engine Co., Indianapolis, Ind.**
**Challenge Co., Batavia, Ill.**
**Charter Gas Engine Co., Sterling, Ill.**
Detroit Engine Works, Kerchevl & Connors, Detroit, Mich.
**Doak Gas Engine Co., Oakland, Cal.**
**Eau Claire Mfg. Co., Eau Claire, Wis.**
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
**Fairbanks, Morse & Co.** (Type "Z," "Y," "Eclipse" & Oil), 900 S Wabash av, Chicago, Ill.
**Flint & Walling Mfg. Co., Kendallville, Ind.**
**Foos Gas Engine Co., 800 Monroe, Springfield, O.**
Harris Pump & Supply Co., 320 2d av, Pittsburgh, Pa.
Herron R. H. Co., 934 N Alameda St, Los Angeles, Cal.
**International Harvester Co. of America** (Inc.), ("International"), Harvester bldg, Chicago, Ill.
Jager Chas. J. Co., ("Mason-Jager"), 15 Custom House, Boston, Mass.
**Kansas City Engine Works ("Elliott," 1½ to 8 H. P.), Kansas City, Mo.**
**Kewanee Private Utilities Co., West Side, Kewanee, Ill.**
**Luitwieler Pumping Engine Co. ("Luitwieler," Non-Pulsating, Gasoline), Rochester, N. Y.**
Lunt-Moss Co., 43 S Market, Boston, Mass.
**Marion Machine, Foundry & Supply Co., Marion, Ind.**
McDuff Wm. J., Lakeport, N. H.
**New Way Motor Co., Lansing, Mich.**
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
**Otto Gas Engine Works (Gas), 33d & Walnut, Phila., Pa.**
**Regal Gasoline Engine Co., Coldwater, Mich.**
Standard Gas Engine Co. ("Frisco Standard", 5 to 175 H. P.), Oakland, Cal.
Standard Pump & Engine Co., Akron, O.
Stover Mfg. & Engine Co., Freeport, Ill.
**Superior Gas Engine Co., Springfield, O.**
Union Gas Engine Co. (5 to 600 H. P.), Oakland, Cal.
Van Nouhuys Machine Wks., Albany, N. Y.
**Warner Elev. Mfg. Co. ("Warner"), Warner, Ill.**
**Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.**
**Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.**
Willard-Middletown Machine Co., Covington, Ky.

## 4397—Engines (Pumping, High Duty)

Allis-Chalmers Mfg. Co. ("Reynolds" Triple Expansion & Compound, Horizontal & Vertical), Milwaukee, Wis.
**American Gas Engine Co. ("Weber"), Kansas City, Mo.**
**American Well Works, Aurora, Ill.**
Davidson M. T. Co., 154 Nassau, New York
Dubois Iron Works, Dubois, Pa.
**Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.**
**HOOVEN, OWENS, RENTSCHLER CO.**, Hamilton, O. *See adv index at end of book*
**Luitwieler Pumping Engine Co. ("Non-Pulsating), Rochester, N. Y.**
Morris I. P. Co., Richmond & Norris, Phila., Pa.
**Murray Iron Works Co., Central av & Washington, Burlington, Ia.**
National Transit Pump & Machine Co., Oil City, Pa.
*See adv index at end of book*
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
**Platt Iron Works Co. ("Smith-Valle"), Dayton, O.**
**Union Steam Pump Co., Battle Creek, Mich.**
**Wagener Steam Pump Co., Canton, O.**
Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*
**Wetherill Robt. & Co., Chester, Pa.**
**Wilson-Snyder Mfg. Co., 2 Ross, Pittsburgh, Pa.**
**Wood R. D. & Co., 400 Chestnut, Phila., Pa.**
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 4398—Engines (Pumping, Hot Air)

**American Machine Co. ("Denney Improved Rider-Ericsson"), Newark, Del.**
**Bremen Mfg. Co. ("Bremen" Caloric Noiseless), Bremen, O.**
Rider-Ericsson Engine Co., Walden, N. Y.
**Slocomb F. F. & Co. (Oscillating), 14th & Poplar, Wilmington, Del.**
**Smith Winfield H. ("Essex" Hot Air Only), Buffalo, N. Y.**

## 4399—Engines (Pumping, Hydraulic)

**See also Hydraulic Rams**

Allis-Chalmers Mfg. Co. ("Allis"), Milwaukee, Wis.
**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
**National Transit Pump & Machine Co., Oil City, Pa.**
*See adv index at end of book*

## 4400—*Engines (Pumping, Triple Expansion)

**National Transit Pump & Machine Co., Oil City, Pa.**
*See adv index at end of book*
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 4401— *Engines (Quarry)

**LIDGERWOOD MFG. CO., 96 Liberty, New York** *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*

## 4402-3-4— Engines (Reversing)

**See also Engines, Rolling Mill**

Allis-Chalmers Mfg. Co. ("Allis," Horizontal & Vertical), Milwaukee, Wis.
**Augustine Automatic Rotary Engine Co., Buffalo, N. Y.**
**Buckeye Engine Co., Salem, O.**
**Byers Jno. F. Machine Co., 242 So Sycamore, Ravenna, O.**
*See adv index at end of book*
Houston, Stanwood & Gamble Co., 3d & Philadelphia, Cincinnati, O.
**Lake Shore Engine Works (For Mine Use), Marquette, Mich.**
Mackintosh, Hemphill Co. (Rolling Mill), ft. of 12th, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*

## 4405—Engines (Rolling Mill)

See also Rolling Mill Machinery

Allis-Chalmers Mfg. Co. ("Allis," Steam), Milwaukee, Wis.
**Augustine Automatic Rotary Engine Co.** (5 H. P. & Up), Buffalo, N. Y.
Cooper C. & G. Co., Mt. Vernon, O.
**HOOVEN, OWENS, RENTSCHLER CO.** ("Hamilton" Corliss), Hamilton, O.
*See adv index at end of book*
Houston, Stanwood & Gamble Co., 3d & Philadelphia, Cincinnati, O.

ENGINES (ROLLING MILL)—continued
**Lane & Bodley Co., Tenn. av & Paddock rd, Cincinnati, O.**
Mackintosh, Hemphill Co., ft. of 12th, Pittsburgh, Pa.
**MESTA MACHINE CO.,** Box 1124, Pittsburgn, Pa.
Murray Iron Works Co. (Corliss), Central av & Washington, Burlington, Ia.
Newbold R. S. & Son Co., Norristown, Pa.
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Portland Co., Portland, Me.
Reading Iron Co., Reading, Pa.
St. Louis Iron & Machine Works, 126 Chouteau av, St. Louis, Mo.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 4406— Engines (Rotary)

Augustine Automatic Rotary Engine Co. ("Augustine" Automatic), Buffalo, N. Y.
Eagle-Macomber Motor Car Co., Sandusky, Ohio
Lucey Mfg. Corp. of Tenn. (Oil & Gas Well), Chattanango, Tenn.
Motsinger Rotary Engine Co., Fredonia, Pa.
Randolph L. W. Inc. (Steam), 9 Clinton, Newark, N. J.
Union Tool Co., Los Angeles, Cal.

## 4407-8—Engines (Self-Oiling)

American Blower Co., 1400 Russell, Detroit, Mich.
Houston, Stanwood & Gamble Co., 3d & Philadelphia, Cincinnati, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 4409— Engines (Steam)

All other Lists of Engine Builders in this book are duplicates of this List, excepting Engines, Gas & Gasoline of various kinds, and Engines, Traction; Engines, Oil; Engines, Hot Air; Engines, Hoisting, & Locomotive Builders.

### ALABAMA.

BIRMINGHAM—Birmingham Machine & Fdry. Co.
Continental Gin Co. (For Cotton Ginning Outfits)
Hardie-Tynes Mfg. Co. (Automatic & Throttling)
MONTGOMERY—Janney & Co.
SELMA—Union Iron Works Co.

### ARKANSAS.

FORT SMITH—Ketcham Iron Co.

### CALIFORNIA.

BERKELEY—Jackson Byron Iron Works (Cross Compound)
GRASS VALLEY—Taylor Foundry & Engineering Co.
LOS ANGELES—Herron R. H. Co., 934 N Alemeda st.
Union Tool Co. (Single & Twin Cylinder)
SAN FRANCISCO — Badenhauser Co., Rialto bldg
California Hydraulic Engineering & Supply Co., 70 Fremont
Cyclops Iron Works, 837 Folsom
Evans C. H. & Co. (Marine), 187 Fremont
Garratt W. T. & Co., 299 Fremont
Golden State & Miners' Iron Works, 249 1st
Harron, Rickard & McCone (Jobbers), 139 Townsend
Hendy Joshua Iron Works (Automatic & Corliss), 75 Fremont
Murray Bros. Machine Works, 233 Folsom
Ocean Shore & Iron Wks., 550 8th
*See adv index at end of book*
Ohmen Engine Works, 17th & Capp
Vulcan Iron Works, 1849 Kearny
STOCKTON—Stockton Iron Works
TORRANCE—Union Tool Co. (Single & Twin Cylinder)

### COLORADO.

DENVER—Card C. S. Iron Works Co.
McFarlane Mfg. Co.
Stearns-Roger Mfg. Co.

### CONNECTICUT.

BRIDGEPORT—American & British Mfg. Co. ("Corliss" or "Green Wheelock")
Coulter & McKenzie Machine Co. (Marine)
NEW HAVEN—Twiss Nelson W. (Automatic)
NEW LONDON—New London Marine & Iron Works

### DELAWARE.

WILMINGTON—Harlan & Hollingsworth Corporation (Marine), ft West
Pusey & Jones Co. (Stationery)

### FLORIDA.

JACKSONVILLE — Merrill-Stevens Shipbuilding Corp. (Marine)

### GEORGIA.

MACON—Schofield's J. S. Sons Co. (Plain Slide & Balanced Valve)
Taylor Iron Works & Supply Co., (Center & Side Crank Balance Valve)
NEWNAN—Cole R. D. Mfg. Co. (Plain Slide & Balance Valve)
SAVANNAH—Kehoe Iron Works (Jobbers)

### ILLINOIS.

BELLEVILLE—Harrison Machine Works ("Jumbo")
CHICAGO — Allis - Chalmers Mfg. Co. ("Allis," Corliss, Peoples Gas bldg)
Chicago Ship Building Co. (Marine), 101st & Calumet River
Haberkamp Wm. Machine Works, 442 Wells
Jennings Pump & Dredge Co., 180 N Dearborn
Marine Iron Works, 2036 Dominick
New York Blower Co. (Side & Center Crank), Archer av. & Canal, Works: Bucyrus, O.
Wachs E. H. Co. (Vertical), 1525 Dayton
**WESTINGHOUSE ELECTRIC & MFG. CO.** (of Pittsburgh, Pa.), Conway bldg.
GALENA—Westwick John & Son (2 to 20 H. P.)
GALESBURG—Frost Mfg. Co. (Automatic & Throttling, Side & Centre Crank)
JOLIET—Bates Machine Co.
LITCHFIELD—Litchfield Foundry & Machine Co.
MATTOON—Chuse Engine & Mfg. Co. (Single Valve, 30 to 400 H. P., Four-Valve, 75 to 450 H. P.)
ROCKFORD—Emerson-Brantingham Co.
SPRINGFIELD—Ide A. L. & Sons ("Ideal," Automatic Self-Oiling, Simple Corliss Valve & Comp'd)
STREATOR—Graves L. L.

### INDIANA.

ANGOLA—Angola Gas Engine Co.
BLUFFTON—Grimes Geo. W. Co.
BRAZIL—Crawford & McCrimmon Co.
EVANSVILLE—Holtz Co.
INDIANAPOLIS—Chandler & Taylor Co. (Automatic Cut-Off, Plain Slide Valve, Tandem Compounds, Cross Compounds, Single Valve, Throttling, Simple, Self-Contained, Heavy Duty, Splash Oiling, High Speed, etc)
Midwest Engine Co.
Sinker-Davis Co. ("Hoosier")
LA PORTE—Rumely Leo Tractor Co. ("Rumely" Poppet Valve)
MARION—Marion Machine Foundry & Supply Co.

### IOWA.

BURLINGTON—Murray Iron Works Co.
DES MOINES—Wood Bros. Thresher Co.
McDonnell Boiler & Iron Works
OTTUMWA—Ottumwa Iron Works (Also Air)

### KANSAS.

ENTERPRISE—Ehrsam J. B. & Sons Mfg. Co.

### KENTUCKY.

LEXINGTON—Lexington Engine & Boiler Works
LOUISVILLE—Grainger & Co.
Vogt Henry Machine Co., Inc.

### LOUISIANA.

NEW ORLEANS—Dibert, Bancroft & Ross Co. Ltd., Tulane & Hagan av
Johnson Iron Works (Ltd.) Morgan & Sequin
Swoop Julian M. (Slide Valve), 913 Girod
SHREVEPORT—Henderson W. K. Iron Works & Supply Co.

### MAINE.

BATH—Bath Iron Works, Ltd.
HALLOWELL—Fuller's G. Sons
MECHANIC FALLS—Penney J. W. & Sons Co. (Automatic, 8 to 35 H. P.)
PORTLAND—Adde & Co.
Orr & Jennings

### MARYLAND.

BALTIMORE—Baltimore Dry Dock & Ship Bldg. Co, ft. E Fort av
Cahill W. S. Co., Key Highway & Webster
Codd E. J. Co., 700 S Caroline
Marine Engine & Boiler Co. (Marine), Philpot & Point
CUMBERLAND—McKaig Merwin (10 to 100 H. P.)
SPARROWS POINT—Maryland Steel Co. (Marine, etc)

### MASSACHUSETTS.

BOSTON—Atlantic Works (Marine), 80 Border, East Boston
Bertelsen & Petersen Engineering Co., 256 Border
Fitzhenry E. L. & Co., 49 Wash'n N
Lockwood Mfg. Co. (Marine), 65 Sumner, E. Boston
Mason Marcus & Co., Inc. ("Hercules-Nuevo"), 201 Devonshire
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park
Wood S. A. Machine Co. (Unit Car), 27 Domrell
BRIDGEWATER—Continental Gin Co.
FITCHBURG—Brown Engine & Machine Co. (Automatic, 650 H. P.)
Fitchburg Steam Engine Co. ("Fitchburg," Automatic, Simple & Compound Vertical, Horizontal & High Speed, 20 to 1,500 H. P.)
QUINCY—Fore River Shipbuilding Corp., (Marine)
WORCESTER—Burlingame A. Co. (High Speed Automatic & Semi-Portable)
Union Machine Co. (3 to 30 H. P.)

### MICHIGAN.

ALMA—Montigel J. M.
ALPENA—Kline Lewis T.
COMSTOCK—Peer Mfg. Co. ("Climax" Automatic High Speed, Self Contained Centre Crank)
DETROIT—American Blower Co. ("A. B. C."), 1400 Russell
Detroit River Iron Works, 661 E Atwater
Detroit Ship Building Co., ft. Orleans
Fuller Co., 1565 Russell
Great Lakes Engineering Works, Real Est. Exch. bldg.
HANCOCK—Portage Lake Foundry & Machine Co. (Stationary & Marine)
KALAMAZOO—Clarage Fan Co., North & Porter
Clark Engine & Boiler Co. (Horizontal & Vertical, up to 125 H. P.)
LAPEER—McDonald Wm. Sons
MARQUETTE—Lake Shore Engine Works (Corliss Hoisting, etc)
SAGINAW—Bartlett A. F. & Co. (Corliss, Slide Valve & Hoisting, etc)
ST. JOHNS—Richmond & Holmes
ST. JOSEPH—Engberg Electric & Mechanical Works

### MINNESOTA.

DULUTH—**CLYDE IRON WORKS SALES CO.**
*See adv index at end of book*
Duluth Iron Works
National Iron Co. (Automatic & Corliss)
MANKATO—Mankato Mfg. Co.

### MISSISSIPPI.

CORINTH—Adams W. T. Machine Co.

### MISSOURI.

KANSAS CITY—United Iron Works Co., Inc.
ST. LOUIS—Fritz Geo. J. Foundry & Machine Co., 2018 S 3rd
Fulton Iron Works Co., 1259 Delaware av. *See adv index at end of book*
St. Louis Iron & Machine Works (Corliss), 126 Chonteau av
South St. Louis Foundry Co. ("Automatic" & Slide Valve), 7514 S B'way

### NEBRASKA.

FREMONT—Fremont Foundry & Machine Co.

### NEW HAMPSHIRE.

LANCASTER—Thompson Mfg. Co.
NASHUA—Rollins Engine Co. (Automatic Cut Off, 20 to 600 H. P.)

### NEW JERSEY.

BRIDGETON—Cox & Sons Co.
CAMDEN—New York Shipbuilding Co.
CARTERET—**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler")
*See adv index at end of book*
HOBOKEN—Fletcher W. & A. Co.
JERSEY CITY—Smith Theo. & Sons Co., ft. Essex
Smith Theo. & Sons Co., ft Essex
NEWARK—Hewes & Phillips Iron Works, 8 Orange
Mundy J. S., Hoisting Engine Co., 722 Frelinghuysen av.
*See adv index at end of book*
Skinner & Leary Co., 19 Com'l
Watts-Campbell Co. (Improved Corliss), 298 Ogden
NEW BRUNSWICK—Brunswick Refrigerating Co.
PATERSON—Sipp Machine Co. (Miniature & Toy Engines)
PERTH AMBOY—Perth Amboy Dry Dock Co. (Marine or Stationary)
Schantz & Eckert (Marine, etc)
TRENTON—Mackenzie's Duncan Sons Co.

### NEW YORK.

ALBANY—Skinner & Arnold (Marine & Stationary)
AUBURN—Quick & Thomas Co.
BALDWINSVILLE—Morris Machine Wks (1½ to 1000 H. P.)
BUFFALO—Augustine Automatic Rotary Engine Co. (5 H. P. & Up)
Buffalo Forge Co. (High Speed Automatic)
Buffalo Foundry & Machine Co., 65 Winchester av.
*See adv index at end of book*
Buffalo Pitts Co.
Frontier Engine Works, 9 Perry
CLYDE—Wood S. W. Engine Co.
FRANKFORT—Acme Road Machy. Co. (Stationary & Portable)
MEDINA—**ERIE PUMP & ENGINE WORKS, INC.** ("Erie"), 141 Glenwood av *See adv index at end of book*

### NEW YORK CITY.

#### Borough of Brooklyn

BROOKLYN—Pioneer Iron Works, 149 Pioneer
Pioneer Machine Works, 75 Delevan

#### Boroughs of Manhattan and Bronx.

NEW YORK—Allis-Chalmers Mfg. Co. ("Allis," Corliss, Blowing, etc.), 50 Church
**BEGGS JAMES & CO.**, 30 Warren, New York
*See adv index at end of book*
Buckeye Engine Co., 39 Cortlandt. (See Salem, O.)
Gas Engine & Power Co., & Chas. L. Seabury & Co., Morris Heights
**GODFREY-KEELER CO.** (Horizontal), 70 Warren
*See adv index at end of book*


# ENGINES

**EVERY TYPE FOR ANY DUTY**

◆

Vertical, Horizontal and High Speed Automatic Steam Engines. Portable Engines a Specialty.

◆

**GODFREY-KEELER CO.**
70 Warren Street NEW YORK


**HOOVEN, OWENS, RENTSCHLER CO.** ("Hamilton" Corliss & Medium Speed 4 Valve), 39 Cortlandt
*See adv index at end of book*
Howard & Morse ("Solano" High Speed), 45 Fulton
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
**LUCEY MFG. CORP.** (Internal Combustion), 233 B'way
*For branch offices see Alphabetical Section*
MacKenzie, Quarrier & Ferguson, 2 Rector
Quintard Iron Works Co. (Marine), 742 E 12th
Rothchild Engine Co., 102 Centre
Struthers-Wells Co., 50 Church. Works: Warren, Pa.
**STURTEVANT B. F. CO.**, ("Sturtevant"), 52 Vanderbilt av, Works: Hyde Park, Boston, Mass.
*See adv index at end of book*
Sullivan John W. Co. (Marine), 827 E 9th
**WESTINGHOUSE ELECTRIC & MFG. CO., THE**, 165 B'way; Works: E Pittsburgh, Pa.
*See adv index at end of book*
Worthington Pump & Machy. Corp. (High Speed), 115 B'way, New York *See adv index at end of book*

#### Borough of Queens.

LONG ISLAND CITY—L. I. Machine & Marine Construction Co., ft of East av

**(End of New York City)**

NUNDA—Foot Co.
OLEAN—Clark Brothers Co.
OSWEGO—**AMES IRON WORKS** ("Vim Regal" Automatic and Throttling, "Ames Una-Flow" Automatic High Speed, 10 to 600 H. P.)
Kingsford Foundry & Machine Works, (Marine Una-Flow)
SYRACUSE—Barber Bros.
TROY—Knowlson & Kelley Co.
UTICA—Utica Steam Engine & Boiler Works
VERNON—Pohl Geo. D. Mfg. Co.

### NORTH CAROLINA.

CHARLOTTE—Liddell Co. ("Liddellent Chambers," Balanced Valve & Plain Slide Valve)
Mecklenburg Iron Works
GREENSBORO—Sergeant Mfg. Co.
WINSTON-SALEM—Crawford Mill Supply Co.
Salem Iron Works (Centre Crank)

### OHIO.

AKRON—Star Drilling Machine Co. (Upright)
Wellman-Seaver-Morgan Co. (Automatic, Corliss, Hoisting, etc)
*See adv index at end of book*
BUCYRUS—New York Blower Co. (Side & Center Crank) (See Chicago, Ill.)
CINCINNATI—Houston Stanwood & Gamble Co. (automatic), 3d & Philadelphia
Lane & Bodley Co. ("Corliss," Four Valve Slide Valve), Tenn. av & Paddock rd
Randle Machinery Co., C. H. & D. Ry. & Powers, Cumville
Steigert L. Co., Logan & Elder
CLEVELAND—American Ship Building Co., ft. of W. 54th
Lord Bowler Co.
COLUMBIANA—Enterprise Co. (Automatic, 25 to 200 H. P.) (Center Crank, 25 to 45 H. P.)
DAYTON—Brownell Co. (Automatic & Slide Valve)
Dayton Engine Works
HAMILTON—**HOOVEN, OWENS, RENTSCHLER CO.** ("Hamilton" Corliss & Medium Speed 4 Valve)
*See adv index at end of book*
LIMA—Golley & Finley Iron Works
MANSFIELD—
MARIETTA—Pattin Bros. Co.
MARION—Huber Mfg. Co. (Traction & Portable, 16 to 30 H. P.)
MOUNT VERNON—Cooper C. & G. Co. ("Corliss," "Rolling Mill")
NEWARK—Scheidler Machine Works Co.
POMEROY—Pomeroy Machine Co.
SALEM—Buckeye Engine Co. (Automatic; Simple & Compound, Horizontal & Vertical, Direct Connected or Belted, 25 H. P. Up)
SPRINGFIELD—Kelly O. S. Co.
Leffel James & Co. ("Leffel" Automatic, 10 to 50 H. P., also Throttling), East st
Trump Mfg. Co. (8 to 20 H. P.)
TOLEDO—Toledo Foundry & Machine Co.
Toledo Ship Building Co.
YOUNGSTOWN—United Engineering & Foundry Co.
ZANESVILLE—Griffith & Wedge Co.

### OREGON.

ALBANY—Albany Iron Works
PORTLAND—Phoenix Iron Works (Marine)
Portland Iron Works, 14th & Northrup
Willamette Iron & Steel Works

### PENNSYLVANIA.

BRADFORD—Bovaird & Co.
Boviard & Seyfang Mfg. Co.
CHESTER—Wetherill Robt. & Co. (Stationary)
CONNELLSVILLE—Connellsville Machine & Car Supply Co.
CORRY—Ajax Iron Works
DANVILLE—Danville Iron & Steel Co.
EAST PITTSBURGH—**WESTINGHOUSE ELECTRIC & MFG. CO.** (Automatic) *See adv index at end of book*
ERIE—Ball Engine Co. (Single Valve, Automatic, 25 to 600 H. P.)
Bay State Iron Works (Stationary & Marine)
Erie City Iron Works ("Lenz" Patent Automatic)
Erie Engine Works (Automatic Cut-off, etc)
Llyod A.
Nagle Engine & Boiler Works (6 to 130 H. P.)
Skinner Engine Co. (50 to 750 H. P.)
HAMBURG—Snell John H. & Sons
HARRISBURG—Harrisburg Fdry. & Machine Works ("Fleming" Side & Center Crank Automatic)
KENNETT SQUARE—American Road Machinery Co.
LEBANON—Weimer Machine Works Co.
MAHANOY CITY—Grant Iron Works
NORRISTOWN—Newbold R. S. & Son Co. (Slide Valve)
OIL CITY—Oil City Boiler Works (20 to 150 H. P.)
Oil Well Supply Co.
PHILADELPHIA—Badenhausen Co., 1429 Chestnut
Baizley Jno. Iron Works, 514 S Delaware av
Bound Brook Engine & Mfg. Co. ("American Ball" Automatic), 1425 Chestnut
Cox & Sons Co., 5th & Chestnut
Cramp Wm. & Sons Ship & Engine Building Co. (Marine), Beach & Ball
PITTSBURGH—Carlin John H. Machine Co.

ENGINES (STEAM)—continued
PENNSYLVANIA—PITTSBURG—cont'd.
Combination Engine Co., 3148 Penn av
Mackintosh, Hemphill Co. (Heavy Rolling Mills, etc), ft of 12th
**MESTA MACHINE CO.**, Box 1124
*See adv index at end of book*


UNAFLOW ENGINES
(Stumpf Patent)
For Rolling Mills and Power Plants
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.


Milholland J. & J. B. Co. (Hoisting, Hauling, etc), 714 5th av
Oil Well Supply Co., 215 Water
Rees Jas. & Sons Co., 18 4th
United Engineering & Foundry Co., Keenan bldg
READING—Orr & Sembower
Reading Iron Co.
RIDGWAY—Ridgway Dynamo & Eng. Co.
SCRANTON—Finch Mfg. Co.
STROUDSBURG—Stroudsburg Engine Wks
TATAMY—Messinger Mfg. Co. (Automatic 3 to 25 H. P.)
TITUSVILLE—Titusville Iron Co.
Young E. R. & Sons
TROY—Troy Engine & Machine Co. (Jno. A. Parsons, Prop.)
TYRONE—Stine J. C. Co. (Haulage, etc)
WAYNESBORO—Frick Co.
WILLIAMSPORT—Rothfuss-Howard Iron Works
Valley Iron Works (Automatic, High Speed, Electric, Enclosed, Self-Oiling)
YORK—Farquhar A. B. Co. (Ltd.) (Centre Crank)
Hench & Dromgold Co.
Motter's Geo. F. Sons

RHODE ISLAND.

BRISTOL—Herreshoff Mfg. Co. (Marine)
PROVIDENCE—American & British Mfg. Co. ("Corliss" & "Green Wheelock"), Charles
Cruickshantk Engine Co., 286 Dyer
Excelsior Steam Engine & Machine Co., 32 Friendship
**FRANKLIN MACHINE CO.**, ("Harris-Corliss". Repairing a Specialty). *See adv index at end of book*
Fuller Iron Works, 40 Tockwotton
Providence Engineering Corp. ("Rice" & "Sargent," Corliss Type), 521 S Main

SOUTH CAROLINA.

ANDERSON—Anderson Machine & Foundry Co.
CHARLESTON—Charleston Dry Dock Machine Co.
COLUMBIA—Gibbes Machinery Co.
Tozer Engine Works

TENNESSEE.

CHATTANOOGA—Casey-Hedges Co.
Lookout Boiler Mfg. Co.
Walsh & Weidner Boiler Co.
Wheland Co. (Centre & Side Crank)
JACKSON—Southern Engine & Boiler Mfg. Co. (Corliss Slide Valve & Center & Side Crank)
MEMPHIS—Ellis Wm. C. & Sons Iron Works
NASHVILLE—Stewart & Bruckner Co.

TEXAS.

CORSICANA—American Well & Prospecting Co.
FORT WORTH—Van Zandt Iron Works
GALVESTON—McDonough Iron Works
SHERMAN—Washington Iron Works
TEXARKANA—De Marce Mrs. A.

UTAH.

SALT LAKE CITY—Salt Lake Iron & Steel Co.
Trent Engineering & Machinery Co.

VIRGINIA.

ALEXANDRIA—Aitcheson J. & H.
BERKELEY—Old Dominion Marine Railway Corp'n
NEWPORT NEWS—Newport News Ship Building & Dry Dock Co. (Marine)
NORFOLK—

WASHINGTON.

SEATTLE—Heffernan Engine Works
Northwestern Iron Works (Marine)
Puget Sound Machinery Depot, 318 1st Av. So.
Seattle Construction & Dry Dock Co.
Washington Iron Works (Slide Valve)
SPOKANE—Union Iron Works
Union Iron Works
TACOMA—Puget Sound Iron & Steel Works

WEST VIRGINIA.

CLARKSBURG—Osborn's J. F. Sons
PARKERSBURG—Parkersburg Machine Co. (For Oil Country)

WISCONSIN.

EAU CLAIRE—Phoenix Mfg. Co. (Heavy Duty, Rocking Valve Slide)
MANITOWOC—Manitowoc Shipbuilding Co. (Marine)
Richards H. C.
MILWAUKEE—Allis-Chalmers Mfg. Co. ("Allis" Corliss, Blowing)
Bayley Mfg. Co. (Horizontal & Vertical Sido & Center Crank Type)
Filer & Stowell Co. (Rocking Valve, etc.)
Nordberg Mfg. Co. (Corliss, Blowing, Hoisting, Reversing, etc), Chicago Oklahoma
Smith T. L. Co. ("Smith"), 1151 32d
**VILTER MFG. CO.** (Corliss & Slide Valve), 1046 Clinton
*See adv index at end of book*
RHINELANDER—Rhinelander Iron Co.
SHEBOYGAN—Optenberg Iron Works
SUPERIOR—Superior Ship Building Co. (Marine "Jumbo")

## Engines (Steam Turbine)

See Turbines, Steam

## 4410-11— Engines (Steering)

Am. Clay Machinery Co. (ship deck equipment), So. Walnut, Bucyrus, O.
*See adv index at end of book*
American Hoist & Derrick Co. (Ship), St. Paul, Minn.
**ELMES CHAS. F. ENGINEERING WKS. (INC.)**, cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*

## 4412— Engines (Swinging)

See also Engines, Hoisting

Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Dake Engine Co. (Derrick Swingers), Grand Haven, Mich.
**LIDGERWOOD MFG. CO.** (For Swinging Derricks), 96 Liberty, New York
*See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
**MUNDY J. S. HOISTING ENGINE CO.**, 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
National Iron Co., Duluth, Minn.
Stroudsburg Engine Wks., Stroudsburg, Pa.
Superior Iron Works Co., Superior, Wis.

## 4413—Engines (Traction, Gasoline)

Abenaque Machine Works ("Abenaque"), Westminster Station, Vt.
Advance Mfg. Co. ("Hamilton Advance"), Hamilton, O.
Advance-Rumely Co. ("All Purpose," "Advance," "Gear Scott," "Tiger Pull"), La Porte, Ind.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Gas Engine Co. ("Weber"), Kansas City, Mo.
Angola Engine & Foundry Co., Angola, Ind.
Aultman & Taylor Machinery Co. (3 Sizes: 18-36, 25-50 & 30-60 H. P.), Mansfield, Ohio
Avery Co. ("Avery"), Peoria, Ill.
Badger Gas & Gasoline Engine Co., Kansas City, Kan.
Bates Tractor Co. ("Bates"), Lansing, Mich.
Bauroth Bros., Springfield, O.
Beeman Garden Tractor Co. ("Beeman"), 311 6th av, S, Mineapolis, Minn.
Best C. L. Gas Traction Co. ("Best"), Oakland, Cal.
Buckeye Mfg. Co. ("Lambert," 10-15 & 25 H P), Anderson, Ind.
Buffalo-Pitts Co., Buffalo, N. Y.
Bull Tractors Madison Motors Corp. ("Big Bull"), 620 S 3rd, Minneapolis, Minn.
Bullock Tractor Co. ("Creeping Grip"), 1801 Diversey blvd, Chicago, Ill.
Case J. I. Threshing Machine Co., ("Case") Racine, Wis.
Chambersburg Foundry & Machine Co., Chambersburg, Pa.
Chief Tractor Mfg. Co. ("Chief"), Ecorse, 607½ Woodward, Detroit, Mich.
Corn Belt Tractor Co. ("Corn Belt"), 2701 Univ. av S E, Minneapolis, Minn.
Cushman Motor Works, Lincoln, Neb.
Dauch Mfg Co. ("Sandusky"), Sandusky, Ohio
Dayton - Dowd Co. ("Dayton - Dowd"), Quincy, Ill.
Denning Tractor Co. ("Denning"), Cedar Rapids, Ia.
Detroit Engine Works, Kerchevl & Connors, Detroit, Mich.
Diamond Iron Works ("Diamond" Gas), 2d & 18th av, N Minneapolis, Minn.
Doman H. C. Co., Oshkosh, Wis.
Eagle Mfg. Co. (Gas "Eagle"), Appleton, Wis.
**ELECTRIC WHEEL CO.**, Station D, Quincy, Ill. *See adv index at end of book*
Elliott G. W. & Co. ("Dakota"), De Smet, S. Dak.
Emerson - Brantingham Co. ("E - B," "Reeves"), Rockford, Ill.
Enterprise Machinery Co., 1600-8th, Minneapolis, Minn.
Fairmont Gas Engine & Ry. Motor Car Co. (Farm Tractor), Fairmont, Minn.
Famous Mfg. Co. ("Champion"), East Chicago, Ind.
Farquhar A. B. Co., Ltd., York, Pa.
Galion Iron Works & Mfg. Co., Galion, O.
Gile Tractor & Engine Co. ("Gile"), Ludington, Mich.
Gray Tractor Co. ("Gray"), 30th av, S E, & N. P. tracks, Minneapolis, Minn.
Hart-Parr Co. ("Hart-Parr," "Little Devil," "Oil King," "Old Reliable," "Steel King"), Charles City, Ia.
Heer Engine Co. ("Heer"), Portsmouth, O.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Hoke Tractor Co. ("Hoke"), South Bend, Ind.
Holmes Tractor Co. ("Holmes Little Giant"), Port Clinton, O.
Holt Mfg. Co. (Caterpillar Type), Stockton, Cal.
Huber Mfg. Co. ("Huber Light 4"), Marion, O.
Hume Mfg Co. ("Hume Junior"), Hume, Ill.
Joliet Oil Tractor Co. (Bates Steel Mule), Joliet, Ill.
Kansas City Hay Press Co. (10 to 40 H P), Kansas City, Mo.
Killen-Strait Mfg. Co. ("Straits"), Appleton, Wis.
Knox Motors Co. ("Knox"), Springfield, Mass.
Lauson John Mfg. Co. ("Lauson"), New Holstein, Wis.
Lawter Tractor Co. ("Lawter"), St. Marys, Ohio
Le Roi Co., Mitchell & 60th av, Milwaukee, Wis.
Lion Tractor Co. ("Lion"), Sec. Bk. bldg, Minneapolis, Minn.
McIntyre Mfg. Co. ("Farmer Boy"), 172 W Locust, Columbus, O.
Minneapolis Threshing Machine Co., Hopkins, Minneapolis, Minn.
Moline Plow Co. ("Moline Universal"), Moline, Ill.
Monarch Tractor Co. ("Neverslip"), Watertown, Wis.
New Way Motor Co., Lansing, Mich.
Nilson Tractor Co. ("Nilson"), 1902 Riverside av, Minneapolis, Minn.
Ohio Mfg. Co. ("Whitney" Tractors), Upper Sandusky, O.
Orchard Machy. Mfg. Co., Gasport, N. Y.
Parrett Tractor Co. ("Parrett"), 343 S Dearborn, Chicago, Ill.

Peoria Tractor Co. ("Peoria"), Peoria, Ill.
Phoenix Mfg. Co., Eau Claire, Wis.
Pioneer Tractor Mfg. Co. ("Pioneer"), Winona, Minn.
Pittsburgh Model Engine Co. (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsbursgh, Pa.
Price G. W. Pump & Engine Co., 33 Stevenson, San Francisco, Cal.
Reliable Engine Co., Portsmouth, O.
Rock Island Plow Co. ("Heider"), Rock Island, Ill.
Rumely Leo Tractor Co. ("Hoosier"), La Porte, Ind.
Russell & Co., Massillon, O.
St. Paul Machinery Mfg. Co. ("St. Paul"), Como & Marion, St. Paul, Minn.
Shirk P. E., Blue Ball, Pa.
Simplex Tractor Co. ("Simplex"), 1611 Central av, Minneapolis, Minn.
Standard Detroit Tractor Co. ("Standard Detroit"), 1506 Fort, W, Detroit, Mich.
Stove Mfg. & Engine Co., Freeport, Ill.
Strite Tractor Co., Plymouth bldg., Minneapolis, Minn.
Sweeney Tractor Co. ("Sweeney's Iron Horse"), Kansas City, Mo.
Transport Tractor Co., 801 Vernon av Long Island City, N. Y.
Waite Tractor Co. ("Waite"), Elgin, Ill.
Wallis Tractor Co. ("Wallis," "Cub" & "Bear"), Racine, Wis.
Ward Tractor Co. ("Ward"), Lincoln, Neb.
Waterloo Gasoline Engine Co., ("Waterloo Boy"), 625 Miles, Waterloo, Ia.
Weber & Damme Wagon Co. ("Parrett," all Purposes) 1621 Broadway, St. Louis, Mo.
Worthington Pump & Machy. Corp. ("Ingeco"), 115 B'way, New York
*See adv index at end of book*
YUBA MFG. CO., Marysville, Cal. & 433 California, San Francisco, Cal.

## 4413a—Engines (Traction, Kerosene)

Advance-Rumely Co. ("Oil-Pull" 15 to 20 h. p.). La Porte, Ind.
American Gas Engine Co. ("Weber"), Kansas City, Mo.
Avery B. F. & Sons ("Louisville-Avery"), Louisville, Ky.
Avery Co., Peoria, Ill.
Bates Tractor Co., Lansing, Mich.
Case J. I. Threshing Machine Co., ("Case") Racine, Wis.
Cleveland Tractor Co. ("Cleveland"), Euclid & Lamb av, Cleveland, O.
C. O. D. Tractor Co. (13 to 25 H. P.), Minneapolis, Minn.
Climax Engineering Co., Clinton, Ia.
Dayton-Dowd Co. ("Dayton Dowd"), Quincy, Ill.
Detroit Engine Works ("Wadsworth" Light). Kerchevl & Connors, Detroit, Mich.
Doman H. C. Co., Oshkosh, Wis.
Emerson-Brantingham Co. ("E-B), Rockford, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Frick Co. ("Frick 12-25"), Waynesboro, Pa.
Hart-Parr Co., Charles City, Ia.
Holt Mfg. Co. (Caterpillar Type), Stockton, Cal.
Joliet Oil Tractor Co., Joliet, Ill.
Kinnard & Sons Mfg. Co. ("Flour City"), 44th av N & Bryant, Minneapolis, Minn.
La Crosse Tractor Co. ("La Crosse"), La Crosse, Wis.
Minneapolis Steel & Machinery Co. ("Twin City"), 2854 Minnehaha av, Minneapolis, Minn.
Ohio Mfg. Co., Upper Sandusky, Ohio
Parrett Tractor Co. ("Parrett"), 343 S Dearborn, Chicago, Ill.
Peoria Tractor Co. ("Peoria"), Peoria, Ill.
Pittsburgh Model Engine Co. (4, 6 & 8 Cylinder Vertical), Lexington & McPherson, Pittsburgh, Pa.
Waterloo Gasoline Engine Co. ("Waterloo Boy"), Waterloo, Ia.
Worthington Pump & Machy. Corp. ("Ingeco"), 115 B'way, New York
*See adv index at end of book*

## 4414—Engines (Traction, Steam)

### CALIFORNIA.

STOCKTON—Holt Mfg. Co.

### ILLINOIS.

BELLEVILLE—Harrison Machine Works ("Jumbo")
PEORIA—Holt Mfg. Co.
ROCKFORD—Emerson Brantingham Co. ("Reeves" Compound)

### INDIANA.

EVANSVILLE—Heilman Machine Works
LA PORTE—Rumely Leo Tractor Co. ("Advance," "Gear-Scott," "Rumely")
MOUNT VERNON—Keck-Gonnermann Co.

### IOWA.

CARROLL—Heider Mfg. Co.
CHARLES CITY—Hart-Parr Co (Oil Gasoline & Kerosene)
DES MOINES—Wood Bros. Thresher Co.
WATERLOO—Waterloo Gasoline Engine Co.

### MICHIGAN.

BATTLE CREEK—Nichols & Shepard Co.
LANSING—Olds Motor Works
PORT HURON—Port Huron Engine & Thresher Co. ("Port Huron" Simple & Compound)

### MINNESOTA.

FAIRMONT—Fairmont Gas Engine & Ry. Motor Car Co. (Farm Tractors)
HOPKINS—Minneapolis Threshing Machine Co.
MINNEAPOLIS—Minneapolis Threshing Machine Co., Hopkins

### MISSOURI.

KANSAS CITY—Kansas City Hay Press Co.

### NEW YORK.

BUFFALO—Buffalo Pitts Co.
CLYDE—Wood S. W. Engine Co.
FRANKFORT—Acme Road Machy. Co.
SCHENECTADY—Westinghouse Co.

### OHIO.

MANSFIELD—Aultman & Taylor Machinery Co. ("Aultman-Taylor," 14 to 25 H. P.)
MARION—Huber Mfg. Co.
MASSILLON—Russell & Co. ("Boss," "Russell")
NEWARK—McNamar Julius J. P. Scheidler Machine Works Co. (10 to 16 H. P.)
SPRINGFIELD—Kelly O. S. Co.
SWANTON—Baker A. D. Co. ("Baker" Special Contractors' Engines)

### PENNSYLVANIA.

KENNETT SQUARE—American Road Machinery Co.
TATAMY—Messinger Mfg. Co.
WAYNESBORO—Frick Co. ("Eclipse," Wood & Coal)
YORK—Farquhar A. B. Co. (Ltd.) ("Farquhar" Double Cylinder, "Pennsylvania")

### WISCONSIN.

RACINE—Case J. I. Threshing Machine Co. ("Case")

## 4415—Engines (Traction, Straw Burning)

Aultman & Taylor Machinery Co. (20 & 25 H. P.), Mansfield, O.
Buffalo Pitts Co. ("Buffalo Pitts"), Buffalo, N. Y.
Case J. I. Threshing Machine Co. ("Case"), Racine, Wis.
Huber Mfg. Co. ("New Huber"), Marion, O.
Minneapolis Threshing Machine Co. ("Minneapolis"), 226 N 2d, Hopkins, Minn.
Nichols & Shepard Co. ("Nichols & Shephard"), Battle Creek, Mich.
Rumely Leo Tractor Co. ("Advance," "Gear Scott," "Rumely"), La Porte, Ind.
Russell & Co. ("Massillon"), Massillon, O.
Wood Bros. Thresher Co. ("Wood Bros."), Des Moines, Ia.

## 4416—*Engines (Unaflow Type,

AMES IRON WORKS ("Ames"), Oswego, N. Y.
MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*

## 4417— Engines (Vertical)

**This List is duplicated under the head of Engines, Steam**

### CALIFORNIA.

SAN FRANCISCO—Union Gas Engine Co. (Gas), 351 Montgomery

### CONNECTICUT.

NEW HAVEN—Twiss Nelson W. (2 to 25 H. P.)

### ILLINOIS.

CHICAGO—Jennings Pump & Dredge Co., 180 N Dearborn
New York Blower Co., Archer av & Canal, Works: Bucyrus, O.
JOLIET—Bates Machine Co. (Automatic High Speed)

### IOWA.

BURLINGTON—Murray Iron Works Co., Canal. Works: Bucyrus, O.

### MASSACHUSETTS.

BOSTON—Sturtevant B. F. Co., 15 Damon, Hyde Park
FITCHBURG—Fitchburg Steam Engine Co. (20 to 400 H P)

### MICHIGAN.

ALMA—Montigel J. M.
COMSTOCK—Peer Mfg. Co. ("Climax" Automatic)
DETROIT—American Blower Co. (Enclosed Self-Oiling), 1400 Russell
Great Lakes Engineering Works (Slide Crank, Marine, etc), Real Est. Exch. bldg.
KALAMAZOO—Clark Engine & Boiler Co. (Horizontal & Vertical, Up to 125 H P)
Dutton C. H. Co. (1 to 16 h. p. "Jewel")

### MISSOURI.

ST. LOUIS—Fritz Geo. J. Foundry & Machine Co., 2018 S 3d

### NEW JERSEY.

CARTERET—WHEELER CONDENSER & ENGINEERING CO. ("Wheeler")
*See adv index at end of book*

### NEW YORK.

BALDWINSVILLE—Morris Machine Wks (1½ to 1000 h. p.)
MEDINA—ERIE PUMP & ENGINE WORKS, INC., 141 Glenwood av
*See adv index at end of book*

### NEW YORK CITY.

Borough of Brooklyn

BROOKLYN—Pioneer Iron Works, 149 Pioneer

Boroughs of Manhattan and Bronx.

NEW YORK—Buckeye Engine Co. (of Salem, O.) ("Ingeco," Gas & Gasoline), 39 Cortlandt
GODFREY-KEELER CO., 70 Warren
*See adv index at end of book*
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

ENGINES (VERTICAL)—continued
NEW YORK—continued
SYRACUSE—Barber Bros.

OHIO.

BUCYRUS—New York Blower Co. (See Chicago, Ill.)
CLEVELAND—Buckeye Engine Co. (of Salem, O.), New England bldg
RAVENNA—Byers John F. Machine Co., 242 S Sycamore
*See adv index at end of book*
SALEM—Buckeye Engine Co.
SPRINGFIELD—Leffel James & Co. ("Leffel"), (3 to 7 H. P.), East st
TOLEDO—Toledo Ship Building Co.

PENNSYLVANIA.

EAST PITTSBURGH—**WESTINGHOUSE ELECTRIC & MFG. CO.**
*See adv index at end of book*
ERIE—Nagle Engine & Boiler Works (4 to 50 H. P.)
PHILADELPHIA—Rich J. & G., 120 N 6th
READING—Orr & Sembower (Also Horizontal)
TATAMY—Messinger Mfg. Co.
YORK—Farquhar A. B. Co. (Ltd.)

RHODE ISLAND.

PROVIDENCE—Cruickshank Engine Co. (2 to 35 H P), 286 Dyer

WISCONSIN.

MILWAUKEE—Bayley Mfg. Co. (Automatic)
SHEBOYGAN—Optenberg Iron Works

## 4418—Engines (Washing, Paper Mill)

Clark H. C. & Son Machine Co., Lee, Mass.
Dillon Machine Co., Lawrence, Mass.
Dilts Machine Works (Inc.), Fulton, N. Y.
Holyoke Machine Co., Holyoke, Mass.
Horne J. H. & Sons Co., Lawrence, Mass
Mills Machine Co., Lawrence, Mass.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Valley Iron Works Co., Appleton, Wis.

## 4418a—*Engines (Water Works, Pumping)

**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York
*See adv index at end of book*

## 4419— Engines (Winding)

Cooper C. & G. Co., Mt. Vernon, O.
Hendy Joshua Iron Works (Air, Electric, Hydraulic & Steam Driven), 75 Fremont, San Francisco, Cal.
Lane & Bodley Co., Tenn. av & Paddock rd, Cincinnati, O.
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Toledo Ship Building Co. (Also Mooring), Toledo, O.
Wellman-Seaver-Morgan Co. (Direct Acting), Cleveland, O.
*See adv index at end of book*

## Engines (Yacht or Launch)

See Engines, Marine, Gasoline; also Engines, Oil

## 4419a— *Engines (Yarding)

Street Bros. Machine Works, Chattanooga, Tenn. *See adv index at end of book*

## 4419b—Engraving (On Ivory Py-ra-lin)

The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.

## 4420—Entrances (Bronze)

Tyler W. S. Co. (Also Iron), Cleveland, O.
*See adv index at end of book*

## 4421—*Entrances (Hollow Metal)

**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*

## 4422— *Entry Drivers (Coal)

Ingersoll-Rand Co. ("Gibson"), 11 B'way, New York *See adv index at end of book*

## 4423—Envelopes (Catalog, Merchandise & Tag)

American Envelope Co., West Carrollton, Ohio
American Mfg. Co. (Tag), Battle Creek, Mich.
American Paper Goods Co., Kensington, Conn.
American Papeterie & Envelope Co., Quincy, Ill.
American Tag Co. (Tag), 6133 S State, Chicago, Ill.
Berkowitz Envelope Co., Kansas City, Mo.
**Berlin & Jones Envelope Co., 547 W 27th,** New York
Birnie Paper Co., Springfield, Mass.
Bushnell Alvah Co. ("Peperoid" Flat & Exp Mallets, Mailing, Envelopes, Filing Pockets, etc), 927 Filbert, Phila., Pa.
**Carpenter W. B. Co., 422 Main, Cincinnati, Ohio**
Chicago Envelope Co. (Merchandise), 59 E Madison, Chicago, Ill.
**Cohen Chas. J., 510 Ludlow, Phila., Pa.**
Columbia Envelope Co. (Transparent & Metal Clasp Mfrs.), 349 W Austin av, Chicago, Ill.
**Commercial Box & Envelope Co., Chester, Pa.**
Continental Paper Bag Co., 17 Battery pl, New York
Cupples Sam'l Envelope Co., 7 Laight, New York
**Denney Tag Co. (Tag), Wes Chester, Pa.**
Diemer John F. Co. ("Leatherette Expanding Envelopes, Mailing Box Envelopes, etc), 107 Lafayette, New York
Gair Robert Co., 50 Washington, Brooklyn, N. Y.
Goodbody Wm. (Mailing), 505 W B'way, New York
**Hinde & Dauch Paper Co., (Corrugated** Paper Mailing), Sandusky, O.
Improved Mailing Case Co. (Letter & Package), 309 B'way, New York
Jeffrey Louis Mfg. Co. (Metallic Clasp Merchandise), 78th & Brunswick av, Phila., Pa.
Landa A. & Sons Co. (Leather & Cloth Document), 1706 Foster av, Chicago, Ill.
Modern Mfg. Co. (Metal Clasp), 543 N Lawrence, Phila., Pa.
National Expanding Envelope Co., 110 Worth, New York
National Fiberstock Envelope Co., 427 Moyer, Phila., Pa.
Niagara Envelope Manufactury, Buffalo, N. Y.
Neostyle Envelope Co. (Merchandise), 5 S Wabash av, Chicago, Ill.
Raynor & Perkins Envelope Co. (Letter), 220 William, New York
Salisbury Mfg. Co. (Clasp, Tag, etc), 14 Leather av, Providence, R. I.
Security Envelope Co. (Hand Fold), 29th & 5th av S, Minneapolis, Minn.
Sefton Mfg. Corp. (Mailing), 1301 W 35th, Chicago, Ill.
Sewell-Clapp Envelopes Co. (Mailing), 23 N Desplaines, Chicago, Ill.
Sherman Envelope Co., Worcester, Mass.
Smead Mfg. Co. ("Bandless" Document) Hastings, Minn.
Spangler E. J. Co., 1237 N Howard, Philadelphia, Pa.
Taylor-Atkins Paper Co., Burnside, Conn.
Tension Envelope Co. (Package), 87 34th, Brooklyn, N. Y.
Thomas Stationery Mfg. Co. (Tag), Springfield, O.
Thompson & Norris Co. (Corrugated), 212 Concord, Brooklyn, N. Y.
U. S. Envelope Co., Springfield, Mass.
U. S. Paper Goods Co., 1224 W 8th, Cincinnati, O.
Whiting Paper Co., Holyoke, Mass.
Worcester Envelope Co., Worcester, Mass.

## 4424— Envelopes (Coin)

Salisbury Mfg. Co., 14 Leather av, Providence, R. I.
Union Envelope Co., Richmond, Va.
Worcester Envelope Co., Worcester, Mass.

## 4425— Envelopes (Filing)

Diemer Jno. F. Co., 107 Lafayette, New York
Graff Geo. B. Co. ("Steel-Eye"), 294 Washington, Boston, Mass.
Smead Mfg. Co. ("Bandless"), Hastings, Minn.

## 4426— Envelopes (Leather)

Warren Leather Goods Co., Worcester, Mass.

## 4427—Envelopes (Plain & Printed)

Alling & Cory Co., Rochester, N. Y.
American Envelope Co., 817 Washington blvd, Chicago, Ill.
American Envelope Co., West Carrollton, Ohio
American Paper Goods Co., Kensington, Conn.
Am. Papeterie Co., Albany, N. Y.
American Paper Products Co. (Church & Sunday School Collection Envelopes), East Liverpool, Ohio
Atlanta Envelope Co., Atlanta, Ga.
Berkowitz Envelope Co., Kansas City, Mo.
**Berlin & Jones Envelopes Co., 547 W 27th,** New York
Birnie Paper Co., Springfield, Mass.
Bourke-Rice Envelope Co., 511 W Jackson blvd, Chicago, Ill.
Buffalo Envelope Co., 268 Michigan av, Buffalo, N. Y.
Burkley Envelope & Printing Co., Omaha, Neb.
C. & M. Envelope Co., 535 Pearl, New York
California Envelope Co. (Plain), 31 Minna, San Francisco, Cal.
Centralia Envelope Co., Centralia, Ill.
Cincinnati Envelope Co., 9th & Sycamore, Cincinnati, O.
**Cohen Chas. J., 510 Ludlow, Phila., Pa.**
Columbia Envelope Co., 349 W Austin av, Chicago, Ill.
Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Cupples Sam'l Envelope Co., 7 Laight, New York
Diem & Wing Paper Co., Gilbert av, Cincinnati, O.
Diemer John F. Co., 107 Lafayette, New York
Eagle Envelope Co., 5 S Wabash av, Chicago, Ill.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Fibre Container Co. of Pa. Monayunk, Phila., Pa.
Goodbody Wm., 505 W B'way, New York
**Gopher Envelopes Co., 500 S 5th, Minneapolis, Minn.**
Griffin Envelope Co., 25 Fremont, San Francisco, Cal.
Hesse Envelope & Lithograph Co., 501 N 1st, St. Louis, Mo.
Heywood Mfg. Co., 420 N 3rd, Minneapolis, Minn.
Holyoke Envelope Co., Holyoke, Mass.
Hoyler Envelope Co., 411 S Jefferson, Chicago, Ill.
Improved Mailing Case Co., 309 B'way, New York
Jewell & Co., 1302 Filbert, Phila., Pa.
Jones Wm. C., 154 W 18th, New York
Keevil A. S., 4331 Sacramento, St. Louis, Mo.
Kellogg P. P. & Co., Springfield, Mass.
Logan, Swift & Brigham, Envelope Co. Division: Worcester, Mass.
Luck C. H. Envelope Co., 701 S La Salle, Chicago, Ill.
Mercantile Corp'n, 120 B'way, New York
Moffat Paper Goods Co., New Haven, Conn.
Montag Bros., Atlanta, Ga.
Morgan Envelope Co. Div., Springfield, Mass.
Morgan Envelope Co., Springfield, Mass.
National Envelope Co., 424 W Liberty, Cincinnati, O
National Envelope Co., Waukegan, Ill.
Neostyle Envelope Co., 5 S Wabash av, Chicago, Ill.
New England Envelope Co., Worcester, Mass.
Niagara Envelope Manufactory, Buffalo, N. Y.
Orgler Envelope Co., 66 Duane, New York
Pacific Coast Envelope Co., 400 2nd, San Francisco, Cal.
Plimpton Mfg. Co., Hartford, Conn.
Powers Paper Co. (Stationary), Springfield, Mass.
Raynor & Perkins Envelope Co., 220 William, New York
Schnur Peter Printing Co., Joplin, Mo.
Security Envelope Co., 2900 5th av S, Minneapolis, Minn.
Sewell-Clapp Envelopes Co., 23 N Desplaines, Chicago, Ill.

Sherman Envelope Co., Worcester, Mass.
Spangler E. J. Co., 1237 N Howard, Philadelphia, Pa.
Standard Envelope Co., 257 Diamond, Phila., Pa.
Taylor-Atkins Paper Co., Burnside, Conn.
Thomas Stationery Mfg. Co., Springfield, O.
Transo Envelope Co., 3550 Kimball av, Chicago, Ill.
Union Envelope Co., Richmond, Va.
U. S. Envelope Co., Springfield, Mass.
U. S. Paper Goods Co., 1224 W 8th, Cincinnati, O.
Ward Samuel Mfg. Co., 299 Atlantic av, Boston, Mass.
Weaver Mailing Envelope & Box Co., 717 Arch, Phila., Pa.
Western Tablet Co. (Plain), St. Joseph, Mo.
Whitcomb Envelope Co., Worcester, Mass.
White, Corbin & Co., Rockville, Conn.
Whiting-Patterson Co., 314 N 13th, Phila., Pa.
Wolf Bros., 330 N 12th, Phila., Pa.
Wolf Envelope Co., E 22d & Payne av, Cleveland, O.
Worcester Envelope Co., Worcester, Mass.

## 4428—Envelopes (Pliable Metal)

Modern Mfg. Co., 543 N Lawrence, Philadelphia, Pa.

## 4428a— Eosine

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
National Gum & Mica Co., 59th & 11th av, New York
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

## Epsom Salts

(See Magnesium Sulphate.)

## 4429-30—Equalizers or Eveners

Adams E. B. & Son ("Adams," "Eureka," "Steel Giant" 3 Horse), Racine, Wis.
Avery B. F. & Sons, Louisville, Ky.
Case J. I. Plow Works, Racine, Wis.
Diamond Forging & Mfg. Co. ("Everlasting"), 2601 California, Pittsburgh, Pa.
Emerson - Brantingham Co. ("E-B"), Rockford, Ill.
Fort Smith Rim & Bow Co. ("Hickory"), Ft. Smith, Ark.
Gross Co. (Plow Eveners), Carroll, Ia.
Harvey Spring & Forging Co. ("Eureka," "Harvey," "Racine," "Western," "Winner"), Racine, Wis.
Helder Mfg. Co., Carroll, Ia.
La Crosse Plow Co., La Crosse, Wis.
Mason F. C. & Co., St. Johns, Mich.
Owatonna Fanning Mill Co., Owatonna, Minn.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Prouty C. & Co., Eldred, Pa.
Racine General Mfg. Co. ("Racine"), (Jobbers), Racine, Wis.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Torrey Bros. Co., Central Village, Conn.
Universal Equalizer Co. ("Universal"), Opera Place, Cincinnati, Ohio.
U. S. Pressed Steel Co. ("U. S."), Ypsilanti, Mich.

## 4431— Eradicators (Ink)

Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*

## 4432— Erasers (Blackboard)

Caxton School Supply Co. ("Caxton" Side Bound), 560 W Monroe, Chicago, Ill.
Hammett J. L. Co., Kendall sq, Cambridge, Mass.
*See adv index at end of book*
Hyde W. L. & Co., 94 Blackstone, Boston, Mass.
Rowles E. W. A. Co. ("Danus Noiseless"), 2345 S La Salle, Chicago, Ill.

## 4433—Erasers (Draftsmen's)

Coates Clipper Mfg. Co. (Electric), Worcester, Mass.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
*See adv index at end of book*
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Pease C. F. Co. (Motor Driven), 820 N Franklin, Chicago, Ill.
*See adv index at end of book*

## 4434— Erasers (Ink)

Beegee Co., 1133 B'way, New York
Blaisdell Paper Pencil Co., 14 Berkeley, Phila., Pa.
Canton Cutlery Co., Canton, O.
Challenge Cutlery Corp., Bridgeport, Conn.
Crystal Mfg. Co., Syracuse, N. Y.
Graef & Schmidt ("Twin Brand" Imp), 107 Chambers, New York
Landers, Frary & Clark, New Britain, Conn.
Miller Bros. Cutlery Co. (Steel), Meriden, Conn.
Napanoch Knife Co., Napanoch, N. Y.
Novelty Cutlery Co., Canton, O.
Polar Mfg. Co., 101 N Marshall, Phila, Pa.
Rose Wm. & Bros., Sharon Hill, Pa.
Ross, Jos. & Co., Irvington, N. J.
Schnefel Bros., 684 S 17th, Newark, N. J.
Turner Bros. ("Sterling"), 1022 Arch, Phila., Pa.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Wostenholm Geo. & Son ("I. X. L." Imp), 105 Chambers, New York

## 4435— Erasers (Ink, Brush)

Cushman & Denison Mfg. Co. ("Cado"), 240 W 23d, New York
Rush Eraser Co. ("Rush-E-Raser"), Syracuse, N. Y.

## 4435a—*Erasers (Motor Driven)

Pease C. F. Co., 820 Franklin, Chicago, Ill. *See adv index at end of book*
Schunck & Ogg ("S. & O."), 235 Canal, New York.

## 4436— Erasers (Rubber)

American Lead Pencil Co., 220 5th av, New York
Dixon Joseph Crucible Co. (for Pencil Ink & Electrotypers), Jersey City, N. J.
Eagle Pencil Co., 703 E 13, New York
Faber A. W. Rubber Works, 41 Dickerson, Newark, N. J.
Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.
Faber Eberhard Rubber Co., New, Newark, N. J.
Goodrich B. F. Co., Akron, O.
Laurel Co., Garfield, N. J.
Mayer F. D. Mfg. Co. ("Sun Beam" art gum), 222 W Superior, Chicago, Ill.
O. K. Mfg. Co. ("O. K."), Woolworth bldg, New York
Parker-Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Roberts Weldon Rubber Co., 18 Oliver, Newark, N. J.
Viscol Co. ("Artgum"), Cambridge, Mass.
Turner Bros. ("Sterling"), 1022 Arch, Phila., Pa.
Yatman Rubber Co., 267 Mt. Pleasant av, Newark, N. J.

## 4437— Escutcheon Pins

AMERICAN STEEL & WIRE CO. (Brass Steel), 208 La Salle, Chicago, Ill.
*See adv index at end of book*
Atlas Tack Co., Fairhaven, Mass.
Clendenin Bros. (Brass), c Central av & Fawn, Baltimore, Md.
Corbin Screw Corporation (Steel or Brass), New Britain, Conn.
Grammes L. F. Sons, Allentown, Pa.
*See adv index at end of book*
HASSALL JNO. (INC.), (Brass, Copper, Iron, German Silver, Aluminum, Plated & Coated), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Havell Mfg. Co. (Brass & Steel), 284 Washington, Newark, N. J.
Hungerford U. T. Brass & Copper Co. (Brass & Iron), 80 Lafayette, New York
Interstate Iron & Steel Co., 104 So Michigan av, Chicago, Ill.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Merchant & Evans Co. (Brass), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Parker Wire Goods Co. (Steel & Brass), Worcester, Mass.
Perkins Henry Co., Bridgewater, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Townsend Co., New Brighton, Pa.
Turner & Seymour Mfg. Co. (& Rivets), Torrington, Conn.
Turner & Stanton Co. (Brass & Iron), Norwich, Conn.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*
Wire Goods Co. (Iron & Brass), Worcester, Mass.

## 4438— Escutcheons

American Pin Co. ("Ampinco"), Waterbury, Conn.
Art Hardware & Mfg. Co., Seattle, Wash.
Brainerd Mfg. Co., East Rochester, N. Y.
Corbin P. & F., New Britain, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Fairfacts Co. ("Fairfacts") (China for Plumbing Work), 218 W 14th, New York.
Foster-Merriam & Co., Meriden, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
GRAND RAPIDS BRASS CO., Grand Rapids, Mich. *See adv index at end of book*
Hayes Jos. A. (Brass & Iron, etc.), 284 Devonshire, Boston, Mass.
National Lock Co. (Keyhole, Brass & Plated), Rockford, Ill.
New York Glass Knob Wks., 79 E 130th, New York.
Pacific Hardware Mfg. Co. (Cup & Keyhole), Los Angeles, Cal.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co. (Cabinet Furniture, Sliding Door & Wood), New Britain, Conn.
Sargent & Co., New Haven Conn.
Skillman Hardware Mfg. Co., Trenton, N. J.
Taylor & Boggis Foundry Co., Cleveland, O.
Weber-Knapp Co., Jamestown, N. Y.
*See adv index at end of book*
Yale & Towne Mfg. Co. ("Yale") (Cabinet, Door etc), Stamford, Conn.

## 4439— Eserine

Hoffmann La Roche Chemical Works, 446 Washington, New York

## 4439a— Etching Points

Crafts Arthur A. & Co. (Diamond), 125 Summer, Boston, Mass.

## 4440— Ether

Albany Chemical Co., Albany, N. Y.
Bush W. J. & Co., 100 William, New York
Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Northwestern Chemical Co., Wauwatosa, Wis.
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Squibb E. L. & Sons, 78 Beekman, New York
Warren Products Co., 265 B'way, New York *See adv index at end of book*

## 4440a— Ethyle Bromide

Dickinson J. Q. & Co., Malden, W. Va.
Dow Chemical Co., Midland, Mich.
Harmer Laboratories Co., 1704 Market, Phila., Pa.
Mallinckrodt Chemical Works, Mallinckrodt, St. Louis, Mo.
T. M. & G. Chemical Co., Belleville, N. J.

## 4440b— Ethyl Chloride

Bengue Jules, W Hoboken, N. J.
Cooper Chas. & Co., 194 Worth, New York
Fries & Bros, 92 Reade, New York
Gebauer Chemical Co., Erie bldg., Cleveland, O.
Merck & Co., 45 Park pl., New York

## 4440c— Eucalyptol

Chris Antoine Co., 20 Platt, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York

## 4440d—Evaporators (Basket Type)

Badger E. B. & Sons Co., 75-A Pitts, Boston, Mass.
*See adv index at end of book*
Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*

EVAPORATORS (BASKET TYPE)—cont.
Swenson Evaporated Co., 53 W Jackson blvd., Chicago, Ill.

### 4441— Evaporators (Brine)

Scott Ernest & Co. ("Scott"), Fall River, Mass.
**ZAREMBA CO.**, 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

### 4441a—Evaporators (Chemical)

Garrigue Wm. & Co., 154 Nassau, New York & Chicago
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Thermal Syndicate Ltd., 59 East 41st, New York
**WHEELER CONDENSER & ENGINEERING CO.**, Carteret, N. J.
*See adv index at end of book*


EVAPORATORS

We are the exclusive manufacturers of the Lillie Evaporator, famous because of its patented reversibility and film evaporation. We are well equipped for building evaporators in any size.
WHEELER CONDENSER & ENGINEERING CO.
Carteret, New Jersey


Zaremba Co. (Caustic Soda), 505 Niagara Life Bldg., Buffalo, N. Y.
*See adv index at end of book*

### 4442—Evaporators (Chemical, Paper Pulp)

International Process Co. ("Carlson," Solely for the Recovery of Chemicals Used in Sulphate Process of Mfr. of Paper Pulp, from Resinous Wood), 5 Beekman, New York
Joubert & Goslin Mach. & Fdry. Co. (Glycerine), Birmingham, Ala.
Ordway Chas. ("Yaryan" System for Extract of Wood & Soda), 25 Church, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 4443—Evaporators (Crystalizing)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Scott Ernest & Co. ("Scott"), Fall River, Mass.
**ZAREMBA CO.**, 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

### 4444—Evaporators (Exhaust Steam)

**GRISCOM-RUSSELL CO.** ("Reilly"), 92 West, New York
*See adv index at end of book*

Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 4445—Evaporators (Fresh Water Distilling)

Davidson M. T. Co. ("Baird" Patents for Steam Vessels, Chemical Works, etc), 154 Nassau, New York.
**GRISCOM-RUSSELL CO.**, ("Reilly" Self-Scaling), 92 West, New York.
*See adv index at end of book*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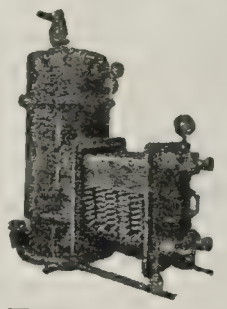
For furnishing distilled water in any quantity desired.
Single and multiple plants for marine and stationary service.



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*See adv index at end of book*


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Constructed with cast-iron or steel plate shells. Improved cleaning facilities make maintenance expense low.

Sizes of evaporators for all capacities up to 50 tons per 24 hours per unit.

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Schutte & Koerting Co. ("S. & K."), 1251 N 12th, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 4446— Evaporators (Fruit)

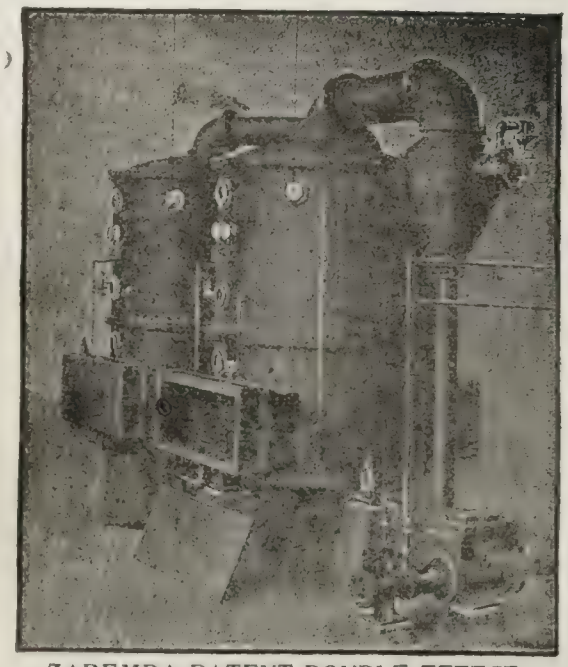
Babcock Mfg. Co. ("Granger" "Ostego"), Leonardsville, N. Y.
Blymyer Iron Works Co. ("Zimmerman," also for Bananas for Making Banana Flour) Cincinnati, O.
Caledonia Bean Harvester Works, Caledonia, N. Y.
Chattanooga Plow Co. ("Chattanooga"), Chattanooga, Tenn.
**Devine J. P. Co., Buffalo, N. Y.**
Deshler Mail Box Co. (& Vegetable) ("Prover"), Deshler, Ohio.
Fahrney Edw. B. ("U-S" Cook Stove, "American" for Fruits, Tea, Coffee, Herbs, Barks, Grain, etc), Waynesboro, Pa.
Hydraulic Press Mfg. Co. (Closed Steam Evaporators, for Cider, Syrup & Cider Jelly, etc), Mt. Gilead, O
*See adv index at end of book*
Kilby Mfg. Co. (Single & Multiple Effects for Fruit Juices), 4623 Lakeside av, Cleveland, O.
Munnsville Plow Co. ("Duplex," "20th Century," "Munnsville" Evaporator Furnaces for Drying Fruits or Hops on Kilns or Drying Fruit in Tower Evaporation), Munnsville, N. Y.
Ordway Chas. ("Yaryan" system for concentrating fruit juices), 25 Church, New York
Palmer & Co., Noble, Ill.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sebastian Bros., Odin, Ill.
Sperry D. R. & Co., Batavia, Ill.
Stahl Wm. Sprayer Co. (Small, for Fruit Only), Quincy, Ill.
Strong Homer (Apple Evap. Plants), Rochester, N. Y.
Stutzman Mfg. Co. ("Stutzman," "Orma"), Ligonier, Ind.
Trescott W. A., Fairport, N. Y.
Warren Evaporator Works ("I. X. L."), Warren, O.

### 4447— Evaporators (Glue)

Garrigues Com. & Co., 154 Nassau, New York
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Ordway Chas., 25 Church, New York
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 4447a—Evaporators (High Concentration)

Scott Ernest & Co. ("Scott"), Fall River, Mass.

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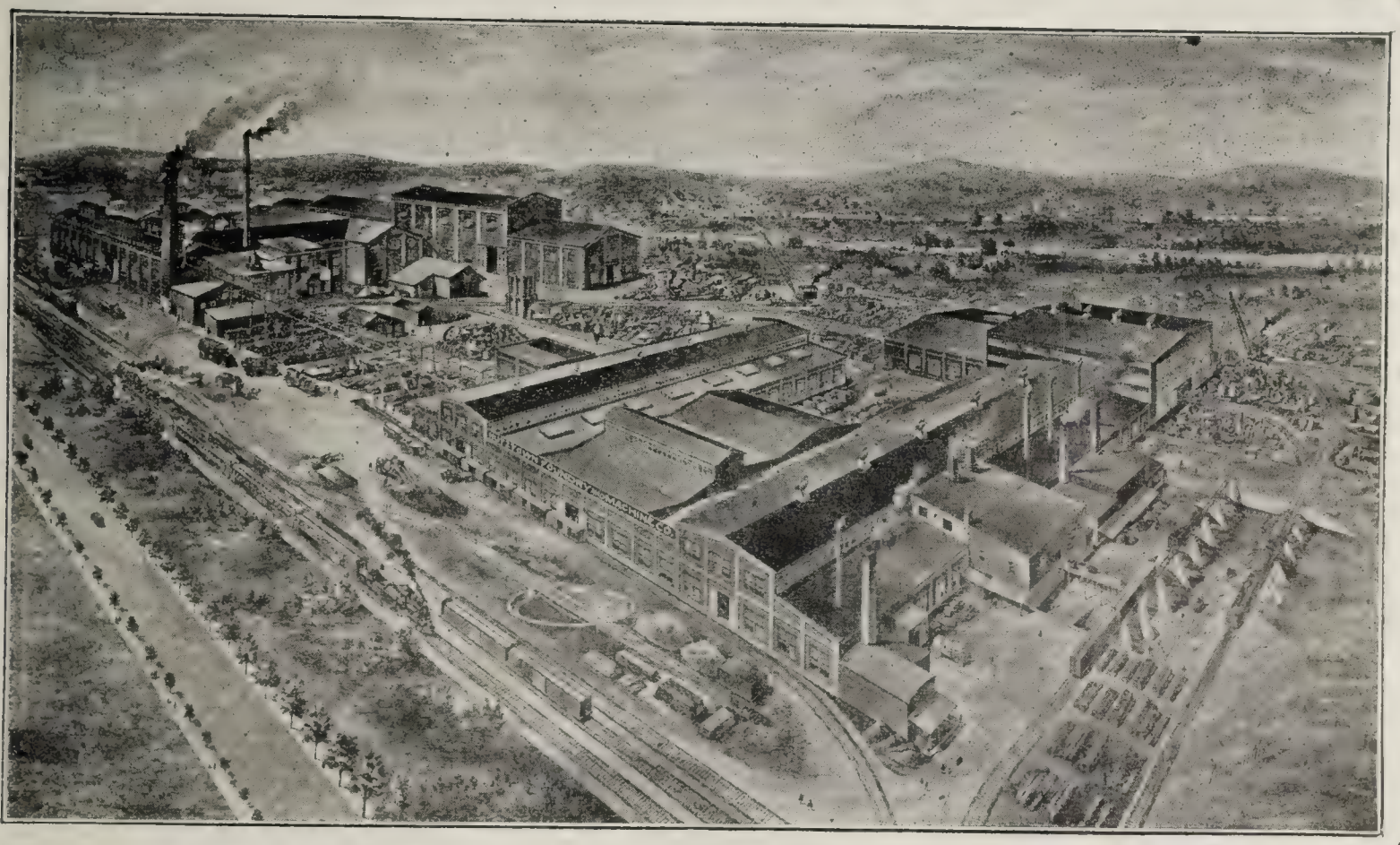

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EVAPORATORS (HIGH CONCENTRATION)—continued

**ZAREMBA CO.,** 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

## 4448—*Evaporators (Horizontal Tube)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Joubert & Goslin Machine & Fdry. Co., Birmingham, Ala.

## 4448a— Evaporators (Iron)

See also Specific Headings

Badger E. B. & Sons, 75a Pitts, Boston, Mass. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.
Swenson Evaporator, 53 W Jackson blvd., Chicago, Ill.
U. S. Cast Iron Pipe & Fdry Co., Burlington, N. J.
Wayte W. J. Inc., 1 Liberty, New York

## 4449—Evaporators (Jelly, From Apple Juice)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
**DUNNING & BOSCHERT PRESS CO.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Hydraulic Press Mfg. Co. ("South Allen"), Mt. Gilead, O.
*See adv index at end of book*

## 4450—*Evaporators (Lined Acid-Resistent)

**ZAREMBA CO.,** 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

## 4451—Evaporators (Maple Sugar & Sorghum)

Bell C. S. Co. ("Bell's," "Cooks" & "Rocker"), Hillsboro, O.
Blymyer Iron Works Co. (Straight or Round Coil Open Steam, also the Closed Multiple Effects, Single, Double, Triple & Quadruple), Cincinnati, Ohio
Champion Evaporator Co. ("Champion"), Hudson, O.
Chattanooga Plow Co. ("Chattanooga"), Chattanooga, Tenn.
Cook Cane Mill & Evaporator Co., 200 N 2d, St. Louis, Mo.
Gowanda Agricultural Works ("Gowanda" Complete Castings for Knocked Down Sets), Gowanda, N. Y.
Grimm G. H. ("Champion," "Grimm's"), Rutland, Vt.
Murkland John W. Co., Barton, Vt.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Squier Geo. L. Mfg. Co., 490 B'way, New York
Vermont Farm Machine Co. ("Williams" Single), Bellows Falls, Vt.
Warren Evaporator Works (Milton Matthews Prop.), ("I. X. L."), Warren, O.

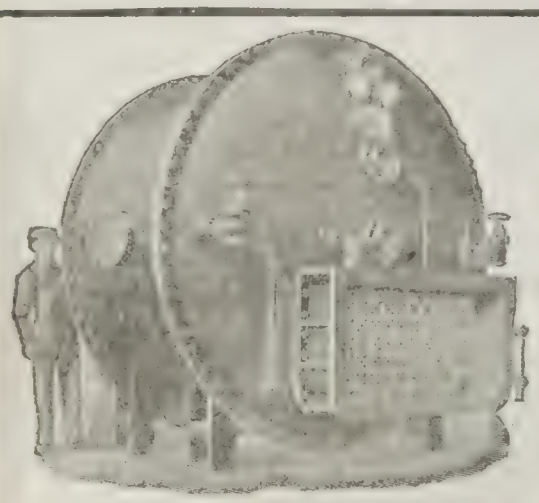
## 4452— Evaporators (Misc.)

American Evaporator Co. (Film Type, "Jedun" Syphonic for all Liquors), 222 N Front, Phila., Pa.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Brecht Co. ("Brecht," with Salt Filter Attached), 1201 Cass av, St. Louis, Mo.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Chemical Equipment Co. ("Ceco"), 910 Monadnock blk., Chicago, Ill.
*See adv index at end of book*
Devine J .P. Co., Buffalo, N. Y.
**FURMAN FISHER CORP.,** 32 Church, New York *See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
**GRISCOM-RUSSELL CO.,** (Fresh Salt Water, Chemical, etc), 92 West, New York *See adv index at end of book*
Joubert & Goslin Machine & Fdry. Co., Birmingham, Ala.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Marshall Foundry Co., 28th & RR., Pittsburgh, Pa.
Phoenix Iron Works Co., Meadville, Pa.
**Pratt Engineering & Machine Co., Atlanta, Ga.**
Scott Ernest & Co. ("Scott"), Fall River, Mass.
**ZAREMBA CO.** (All Types, Any Size, Any Liquid), 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

## 4453—Evaporators (Multiple Effects)

See also Evaporators Vacuum

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill.
*See adv index at end of book*
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Baeuerle & Morris (For the Evaporation & Concentration of all Solutions with or without Salts, Vertical Tube Type), 932 N Front, Phila., Pa.
Black-Clawson Co. (Single, Twin & Triple Cylinder Open Air & Vacuum in Single Effect, Evaporators for Drying & Evaporating Water out of Liquid, Animal, Vegetable & Mineral Products, etc), Hamilton, O.
Blymyer Iron Works Co. (Straight or Round Coil Open Steam Type, also the Closed Multiple Vacuum Effects, Single, Double, Triple & Quadruple), Cincinnati, Ohio
**BUFFALO FOUNDRY & MACHINE CO.** (Multiple & Single Effect Vacuum, etc.), 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Casey-Hedges Co., Chattanooga, Tenn.
Cresson-Morris Co. (Single & Multiple Effects, Both Vacuum & Pressure), Allegheny av & 18th, Phila., Pa.
Dyer Co. ("Dyer" Single & Multiple Effects for Cane & Beet Sugar), 2031 Euclid av, Cleveland, O.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
**GRISCOM-RUSSELL CO.** ("Reilly" Self Scaling for Distilling Water for Ice Plants, Breweries, Bottlers, etc), 92 West, New York
*See adv index at end of book*
Joubert & Goslin Mach. & Fdry. Co. (Open Vessel & Closed Type Under Vacuum System, Single, Double, Triple & Quadruple for Various Liquids, Cane, Beet & Maple Sugar, Sorghum, Fruits, Chemicals, Glue, Soap, etc.), Birmingham, Ala.
**Kestner Evaporator Co. (For Caustic Soda,** Potash, etc.), 18th & Allegheny, Phila., Pa.
**Kilby Mfg. Co. (Single & Multiple Effects for Sugar, Glue, Salt, Garbage, Caustic Soda, Fruit Juices, Milk, Stick,** Slaughter House, etc), 4623 Lakeside av, Cleveland, O.
**Krajewski-Pesant Corp. (For Sugar House** Use), 50 Broad, New York
**LUMMUS WALTER E. CO.,** 171 Milk. Boston, Mass.
Murphy John H. Iron Works, 643 Magazine, New Orleans, La.
**Newhall Geo. M. Engineering Co. ("Newhall" for Caustic Soda, Glycerine, Tannic Acid, Cane & Beet Juice, Glue, Glucose, Extracts, etc), Commercial Trust bldg, Phila., Pa.**
**Oat Joseph & Sons, 230 Quarry, Phila., Pa.**
Ordway Chas. ("Yaryan" System for Cane Sugar, Glucose, Glue, Water Distillation, Solvents, Extracts of Meat, Malt of Wood & Soda, etc), 25 Church, New York
**Philadelphia Coppersmithing Co. (Multiple Effects, Horizontal & Vertical), 222 N Front, Phila., Pa.**
**Pioneer Iron Works (Horizontal & Vertical for Sugar), 149 Pioneer, Brooklyn, N. Y.**
**Pusey & Jones Co. (Single & Multiple Effects),** Wilmington, Del.
**ROW & DAVIS, ENGINEERS, INC.,** 90 West, New York
*See adv index at end of book*
**Sanborn Evaporator Co. (Single & Multiple Effects), 79 Wall, New York**
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Squier Geo. L Mfg. Co. ("Squier-Buffalo," Single, Double & Triple Effects for Sugar), Buffalo, N. Y.
Standard Water Systems Co. ("Tripur-" Single & Multiple Effects for the Evaporation of Both Fresh & Salt Water & Other Liquids), Hampton, N. J.
Sugar Apparatus Mfg. Co. ("Lillie" Single & Multiple Effects for Sugar Refiners & Plantations, Natural Brines in the Mfr. of Salt, Glue, Tank Waters, Tannin Extracts, Water Distilling, Soda Liquors, etc), Wilmington, Del.
**Swenson Evaporator Co. (For Any Liquids), 53 W Jackson blvd, Chicago, Ill.**
Von Phul Gilbert D, Hibernia Bk. bldg., New Orleans, La.
**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler" Closed Tubular Type, for Liquids Only; Water Distilling, Sugar Solutions, Chemical Mixtures, etc), Carteret, N. J.
*See adv index at end of book*
**ZAREMBA CO.,** ("Zaremba" Any Size, Any Service), 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

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### 4453a— *Evaporators (Potash)

**ZAREMBA CO.,** 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

### 4453b— Evaporators (Pressure)

Badger Co. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Kestner Evaporator Co., 18th & Allegheny, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 4454—*Evaporators (Salt Water)

**GRISCOM-RUSSELL CO.,** 92 West, New York *See adv index at end of book*

### 4454a—*Evaporators (Single or Multiple Effect)

**WHEELER CONDENSER & ENGNG. CO.** (For Sugar Solutions, Tank Waters, Runaway Waters, Distillery Slops, Steffin Waters, Water Distillations, Chemical Mixers, etc), Carteret, N. J. *See adv index at end of book*

### 4454b1— Evaporators (Sugar)

Blair, Campbell & McLean, Inc. ("Simplex" & "Multiplex")
Sugar Machinery Co., Higgins bldg, Los Angeles, Cal.
Von Puhl Gilbert D., Hibernia Bank bldg, New Orleans, La.
**TREADWELL ENGINEERING CO.,** Easton, Pa. *See adv index at end of book*
Zaremba Co. (Malt Sugar), 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

### 4454b—*Evaporators (Soda Recovery)

Scott Ernest & Co. ("Scott"), Fall River, Mass.
**ZAREMBA CO.,** 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

### 4454c— *Evaporators (Sulphite)

**ZAREMBA CO.** (Waste), 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

### 4455— Evaporators (Syrup)

Bell C. S. Co. ("Cook's"), Hillsboro, O.
Golden's Foundry & Machine Co., Columbus, Ga.
Joubert & Goslin Mach. & Fdry. Co. (Multiple Effects), Birmingham, Ala.
Philadelphia Coppersmithing Co. (Multiple Effects), 222 N Front, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Southern Plow Co. ("Cook's"), Columbus, Ga.

### 4455a— Evaporators (Vacuum)

See also Evaporators Multiple Effect, Also Pans Vacuum

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*
Chemical Equipment Co. ("Ceco"), 910 Monadnock blk., Chicago, Ill. *See adv index at end of book*

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Garrigue William Co., W 45th & Western av Bl Chicago, Ill.
Kestner Evaporator Co., 18th & Allegheny, Phila., Pa.
Krenz Oscar Copper & Brass Wks., 612 Bryant, San Francisco, Cal.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sperry D. R. & Co., Batavia, Ill.
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.
Swenson Evaporated Co., 53 W Jackson Blvd., Chicago, Ill.
U. S. Cast Iron Pipe & Fdry Co., Burling, N. J.
Wayte W. J., Inc., 1 Liberty, New York

### 4455b—*Evaporators (Vertical Tube)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Joubert & Goslin Machine & Fdry. Co., Birmingham, Ala.

### 4456— Evaporators (Water)

Schutte & Koerting Co. ("S. & K." for Producing Fresh Water from Salt and other Impure Waters), 1251 N 12th, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Ordway Chas. ("Mirrless-Watson" Type for Producing Fresh Water from Sea Water), 25 Church, New York

### 4457—*Evaporators & Water Distilling Apparatus

**ROW & DAVIS, ENGINEERS, INC.,** 90 West, New Yrk *See adv index at end of book*

### 4458— Evaporometers

Green Henry J. ("Piche"), 1191 Bedford av, Brooklyn, N. Y.

### 4458a— *Excavators (Cableway)

Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*

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### 4459— Excavators (Drag Bucket)

Acme Road Machy. Co., Frankfort, N. Y.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa. *See adv index at end of book*
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

### 4460—Excavators (Drag Line)

See also Buckets, Drag Line Scraper

**AUSTIN MACHINERY CORPORATION,** Railway Exchange bldg, Chicago, Ill. *See adv index at end of book*
Browning Sommer Adams Co., Cleveland, O.; Mansfield, O., & College Point, New York *See adv index at end of book*
**Bucyrus Co., S Milwaukee, Wis.**
Cable Excavator Co. ("Slack Line"), Commercial Tr. bldg, Phila, Pa.
Clyde Iron Works Sales Co. ("Field," Tower), Duluth, Minn. *See adv index at end of book*
**Dull Raymond W. Co. (Rear Dumping), 111 W Washington, Chicago, Ill.**
Hayward Co., 50 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

**Indianapolis Cable Excavator Co. ("Negley," Cableway), Indianapolis, Ind.**
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Lauer W. B. Co., 415 S Dearborn, Chicago, Ill.
Luther Frederick P. Co., 14 E. Jackson blvd, Chicago, Ill.
**MACHINERY SALES CO.,** Old Colony bldg, Chicago, Ill.
Mansfield Engineering Co., The ("Pioneer"), 1100 Burdsal Pkway, Indianapolis, Ind.
**Marion Steam Shovel Co., P. O. Box 505, Marion, O.**
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Monighan Machine Co. ("Monighan"), 2032 Carroll av, Chicago, Ill.
National Hoisting Engine Co., Harrison, N. J.
**PAGE ENGNG. CO.,** 189 W Madison, Chicago, Ill.
**Pawling & Harnischfeger Co., Milwaukee,** Wis. *See adv index at end of book*
Sauerman Bros. ("Shearer & Mayer" Cableway), 1138 Monadnock blk, Chicago, Ill. *See adv index at end of book*

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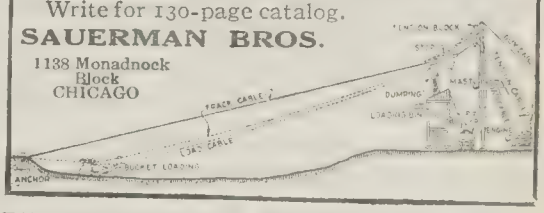

Williams G. H. Co., Erie, Pa.

### 4461— Excavators (Drainage)

**AUSTIN MACHINERY CORPORATION** ("Austin"), Railway Exchange bldg, Houston Co., Inc., Chicago, Ill. *See adv index at end of book*
Gade C. L. (Full Turntable), Iowa Falls, Iowa
Keystone Driller Co., Beaver Falls, Pa. *See adv index at end of book*
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Monighan Machine Co., 2032 Carroll av, Chicago, Ill.
Osgood Co., Marion, Ohio
Pawling Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*

### 4462—Excavators (Electric)

Bucyrus Co., S Milwaukee, Wis.

### 4462a—*Excavators for Canal, Irrigation and Ditch Work

Hayward Co., 50 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

### 4463—*Excavators (Placer Mining)

**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*

### Excavators (Scraper Bucket)

See Excavators, Drag Bucket

### 4465— * Excavators (Skid)

Hayward Co., 50 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

### 4466— Excavators (Steam)

See also Shovels, Steam

Browning Sommer Adams Co., Cleveland, O.; Mansfield, O., & College Point, N. Y. *See adv index at end of book*

EXCAVATORS (STEAM)—continued

Bucyrus Co., S Milwaukee Wis
**Byers Jno. F. Machine Co., 242 So Sycamore, Ravenna, O.**
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty New York *See adv index at end of book*
**Marion Steam Shovel Co., P. O. Box 505, Marion, O.**
Monighan Machine Co. (Drag Bucket) 2032 Carroll av, Chicago, Ill.
New York; Chicago; Koppel, Pa.; Pittsburgh, San Francisco
**Osgood Co., Marion, Ohio**

## 4466a— *Excavators (Tower)

Bucyrus Co., S Milwaukee, Wis.
Clyde Iron Works Sales Co. ("Field"), Duluth, Minn.
*See adv index at end of book*

## 4466b— Excavators (Traction)

Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Toledo Bridge & Crane Co., 2500 Dorr, Toledo, Ohio *See adv index at end of book*

## Excavators (Trench)

**See Sewer & Trench Excavating Machines**

## 4466c—Excavators & Loaders

Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*

## 4467— Excelsior Mfrs.

Allen Chas. M., Fulton, New York
Alpena Excelsior Co. (Also Wood, Wool), Alpena, Mich.
American Fibre Co. (Palm Leaf Mattress), Jacksonville, Fla.
Atlantic Excelsior Mfg. Co., Inc., 507 W 30th, New York
Bartlett Excelsior Co., Melvin Mills, N. H.
Batesville Excelsior Co., Batesville, Ark.
Berry O. P. Co., Wolfeboro Falls, N. H.
**BOSTON EXCELSIOR CO.,** 26 Canal, Boston, Mass.
**BOSTON EXCELSIOR CO.,** 562 W 29th, New York
Caummisar T. C. & Sons, Louisville, Ky.
Charleston Excelsior M. & B. Works, Charleston, S. C.
Dalton Excelsior Co., Dalton, Ga.
Detroit Excelsior Works, 2116 Russell, Detroit, Mich.
Du Pree Mfg. Co., Atlanta, Ga.
**Excelsior Supply Co., 1732 Merwin rd,** Cleveland, Ohio
**EXCELSIOR WRAPPER CO.,** 224 W Kinzie, Chicago.
**EXCELSIOR WRAPPER CO.,** Grand Rapids, Mich.
**EXCELSIOR WRAPPER CO.,** Sheboygan, Wis.
Farnham J. F. Union N. H.
**Fox J. W. Excelsior Co., Grand Rapids,** Mich.
High Point Veneer & Panel Co., High Point, N. C.
Hoffman-Corr Mfg. Co. (Also Moss), 312 Market, Phila., Pa.
Hornbeck J. K. & Son, Hancock, N. Y.
Jenks & Muir Mfg. Co., 1441 Hastings, Detroit, Mich.
Johnson Excelsior & Mfg. Co., Indianapolis, Ind.
Laird & Wilson Mfg. Co., Crandon, Wis.
Lord W. M. Co., Union, N. H.
**Malone Excelsior Co., Malone, N. Y.**
Marinette-Green Bay Mfg. Co., Marinette, Wis.
Means Justin, Edgar, Wis.
Merchants & Mfrs. Supply Co., Chelsea, Mass.
Meridian Mattress Factory, Meridian, Miss.
Minneapolis Mfg. Co., 5th av & S E & E Hennepin, Minneapolis, Minn.
Morris-Jones-Brown Mfg. Co., Dubuque, Ia.
Oshkosh Excelsior Mfg. Co., Oshkosh, Wis.
Payne & Co., Dayton, O.
Peden W. H. Excelsior Co., Fredericksburg, Va.
Pensacola Excelsior Co., Pensacola, Fla.
Petersburg Excelsior Mills, Petersburg, Va.
Phila. Excelsior Co., 716 N 3rd, Philadelphia, Pa.
Rice Lake Excelsior Co., Rice Lake, Wis.
Sacramento Wire Mattress Co., Sacramento, Cal.
Selle H. W. & Co. (Excelsior Mfrs.), 1000 Halstead, Chicago, Ill.
Sheffield F. E., Mooers, N. Y.
Terre Haute National Bedding Co., Terre Haute, Ind.
Virginia Excelsior Co., Fredericksburg, Va.
Washington Excelsior & Mfg. Co., Edmonds, Wash.

## 4468— Exercisers

**Bailey C. J. & Co., 22 Boylston, Boston, Mass.**
Reliance Spring & Mfg. Co., Inc., 3911 2d, B'klyn, N. Y.
**Hill-Standard Mfg. Co., Anderson, Ind.**
Ingersoll Robt. H. & Bro., 315 4th av, New York
Parker Machine Co. ("Broncho Gripper"), 221 High, Boston, Mass.
**Whitely Exerciser Co., 36 Vesey, New York**

## 4468a— Exchangers (Heat)

Alberger Heater Co., Buffalo, N. Y.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Hope Engng. & Supply Co., 803-06 Farmers Bank bldg., Pittsburgh, Pa.
Knight Maurice A., Akron, O.
Roos Chas. A., 429 E 91st, New York
Stevens Bros., 85 Liberty, New York
Triumph Ice Machine Co., Oakley, Cincinnati, O.

## 4469— Exhaust Heads

**Abendroth G. Irving Co. ("Stein's" 1 in to 42 in), 10 E 43d, New York**
**ABENDROTH & ROOT MFG. CO.** ("Root" & "Hudson"), Newburgh, N. Y.
*See adv index at end of book*
Ambrose Machine Co. ("Peerless"), 254 Eagle, Brklyn, N. Y.
**AMERICAN SPIRAL PIPE WORKS, Chicago, Ill., & 50 Church, New York**
*See adv index at end of book*
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
Bicalky Fan Co., Buffalo, N. Y.
Bolton R. P., 55 Liberty, New York
**BURT MANUFACTURING CO., THE,** ("Burt" & "Standard"), 40 Main, Akron, O. *See adv index at end of book*

"BURT"
"STANDARD"
EXHAUST HEADS
The
Burt Mfg. Co.
40 Main St.
AKRON, OHIO

**Chicago Eng. Supply Co. ("Champion"), 68 W Lake, Chicago, Ill.**
Connecticut Blower Co., Inc. (For Exhaust Steam Pipe), 133 Sheldon, Hartford, Conn.
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
**Direct Separator Co. ("Sweet"), Syracuse,** N. Y.
Dixie Mfg. Co. ("Dixie"), Russell & B. & O. R. R., Baltimore, Md.
Elliott B. K. Co., 126 6th av, Pittsburgh, Pa.
**Empire Blower & Pipe Co. (Steam), Rochester, N. Y.**
**Industrial Instrument Co. ("Eclipse"), Foxboro, Mass.**
*See adv index at end of book*
Garrett W. D. & Co., 126 Liberty, New York
**Gillis & Geoghegan, 537 W B'way, New York**
**Hoppes Mfg. Co. (Cast Iron), Springfield,** Ohio
**Hussey, McCann & Co., 87 Warren, New York**
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
**Konold M. J. Co. (Cast Iron), Bessemer bldg, Pittsburgh, Pa.**
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.** *See adv index at end of book*
**Linton Machine Co., 26 Cortlandt, New York**
**Littleford Bros., 444 E Pearl, Cincinnati, Ohio**
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
**Miller J. K. Co. ("Western"), Seattle, Wash.**
Ohio Body & Blower Co. ("Swartwout" Cast Iron), 9300 Detroit av, Cleveland, O.
**Pittsburgh Gage & Supply Co. ("Pittsburgh," Vacuum & "Gaco"), 30th & Liberty av, Pittsburgh, Pa.**
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**
**Prentice L. H. Co. 330 Sherman, Chicago, Ill.**
**Royal Ventilator Co. ("Royal"), 415 Locust, Philadelphia, Pa.**
Ruggles Walter G. Co. ("R-K"), 10 High, Boston, Mass.
Ruggles-Klingemann Mfg. Co. ("R. K."), (Cast Iron), Salem, Mass.
**Rutzler Enoch Co., 404 E 49th, New York**
**Simmons John Co. (All Kinds), 110 Centre, New York**
*See adv index at end of book*
**Skinner Bros. Mfg. Co., 10th & Tyler, St. Louis, Mo.**
**Sorge A. Jr. & Co. ("Sorge" Cast Iron), Monadnock bldg, Chicago, Ill.**
**Standard Steam Specialty Co. ("Utility"), 542 W B'way, New York**
**Steam Appliance Co. ("Triumph"), Milwaukee, Wis.**
Stein John J. ("Stein"), 30 Clay, Brooklyn, N. Y.
**Sterling Blower Co. ("Sterling" Steam), Hartford, Conn.**
**Strandwitz & Scott ("Common Sense"), Camden, N. J.**
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
**UNITED MACHINE & MFG. CO.** (Steam) Canton, O.
**Watson & McDaniel Co. ("McDaniel," "Keystone"), 146 N 7th, Phila., Pa.**
Williams Franklin Inc. ("Neverust," "Everlast"), 39 Cortlandt, New York
Wright-Austin Co. ("Cyclone," "Wright-Austin" Cast Iron), 97 Woodbridge, W, Detroit, Mich.

## 4470—Exhaust & Blow Piping

**Abendroth G. Irving Co. (Straight Riveted Flanged), 10 E 43d, New York**
Allen E. H. Co., 41 Beverly, Boston, Mass.
Allington & Curtis Mfg. Co., 53 W Jackson blvd, Chicago, Ill.
**AMERICAN SPIRAL PIPE WORKS, Chicago, Ill., & 50 Church, New York**
*See adv index at end of book*
**Archer Blower & Pipe Co., Seattle, Wash.**
Astle H. J. & Co., 118 Orange, Providence, R. I.
**Banister A. W. Co., 421 Dorchester av S, Boston, Mass.**
**Carlisle & Gale Co., 5 North, Boston, Mass.**
**Chattanooga Blow Pipe & Roofing Co., Chattanooga, Tenn.**
**Clarage Fan Co., North & Porter, Kalamazoo, Mich.**
Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, O.
**Cushing Daniel & Co., Lowell, Mass.**
Cyclone Blow Pipe Co., 2552 W 21st, Chicago, Ill. *See adv index at end of book*
**Day Co., 1004 Lyndale, Minneapolis, Minn.**
Dixie Mfg. Co., Russell & B. & O. R. R., Baltimore, Md.
**Empire Blower & Pipe Co., Rochester, N. Y.**
Gerkin J. D. Co., Toledo, Ohio
**Grand Rapids Blow Pipe & Dust Arrester Co., Grand Rapids, Mich.**
Haines Co., 1933 W Lake, Chicago, Ill.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.

Invincible Blow Pipe Co., 2527 Homer, Chicago, Ill.
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
Kiechler Mfg. Co., Wade & Denman, Cincinnati, O.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lee Thos., 129 W 2d, Cincinnati, O.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Mannen John E. Co., 2247 St. Clair, Cleveland, O.
Meadon's Blower & Pipe Works, 25 Meserole av, Brooklyn, N. Y.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
New Haven Sand Blast Co., New Haven, Conn.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Ohio Body & Blower Co., 9300 Detroit av, Cleveland, Ohio
Porbeck Dust Arrester & Blow Pipe Co., 2017 B'way, St. Louis, Mo.
Savannah Blow Pipe Co., Savannah, Ga.
Shaw Benj. F. Co., Wilmington, Del.
Skinner Bros. Mfg. Co., 10th & Tyler, St. Louis, Mo.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Stein John J. (Spiral & Straight Riveted Flange), 30 Clay, Brooklyn, N. Y.
Sterling Blower Co., Hartford, Conn.
Strandwitz & Scott, Camden, N. J.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
United States Steel Tank & Pipe Co., 2090 Canalport av, Chicago, Ill.
Vaile & Young, Ridgely & Bush, Baltimore, Md.
Venderbush & Co., Detroit, Mich.
VULCAN SHEET METAL & MFG. CO., 45 Fulton, New York
Western Blow Pipe & Sheet Metal Co., St. Louis, Mo.
Young Bros. Co., 666 Mack, Detroit, Mich.

## 4471— Exhausters (Acid)

Durion Castings Co., Dayton, O.
General Ceramics Co. (Stoneware), 50 Church, New York
Graham Chas. Chemical Pottery Works (Stoneware), 986 Metr. av, Brooklyn, N. Y.

## 4471a—Exhausters (Cotton)

Sturtevant B. F. Co. ("Sturtevant), 15 Damon, Hyde Park, Boston, Mass.

## 4472— Exhausters (Electric)

American Blower Co., 1400 Russell, Detroit, Mich.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Electric Blower Co. ("Marvel"), 352 Atlantic av, Boston, Mass.
Green Fuel Economizer Co., Beacon, N. Y.
Howard & Morse, 45 Fulton, New York
Ilg Electric Ventilating Co., Crawford av, near Diversey blvd, Chicago, Ill.
Mechanical Appliance., Milwaukee, Wis.
Sprague Electric Works, 527 W 34th, New York

## 4473— Exhausters (Gas)

American Blower Co., 1400 Russell, Detroit, Mich.
BEACH-RUSS CO., 216-224 B'way, New York *See adv index at end of book*
Buffalo Forge Co., Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Connersville Blower Co., Connersville, Ind.
Garden City Fan Co., 332 S Mich. av, Chicago, Ill.
Gas Machy. Co., 1900 Euclid av, Cleveland, O.
Green Fuel Economizer Co., Beacon, N. Y.
HERSH & BROS., Allentown, Pa.
*See adv index at end of book*
Howard & Morse, 45 Fulton, New York
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Isbell-Porter Co. ("Mackenzie"), 46 Bridge, Newark, N. J.
New York Blower Co., Archer av & Canal, Chicago, Ill. Works: Bucyrus, O.
Parson Mfg. Co. ("Parson"), 35 Nassau, New York
Pratt Engineering & Machine Co. ("Imperial"), Atlanta, Ga.
Rockwell W. S. Co., 50 Church, New York. *See adv index at end of book*
Roots P. H. & F. M. Co. (& Fittings), Connersville, Ind.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
WESTERN GAS CONSTRUCTION CO., Fort Wayne, Ind.
Wilbraham-Green Blower Co.

## 4474—Exhausters (Planing Mill, Etc.)

Allington & Curtis Mfg. Co., Saginaw, Mich.
American Blower Co., 1400 Russell, Detroit, Mich.
Banister A. W. Co., 421 Dorchester av S, Boston, Mass.
Bayley Mfg. Co. (Single & Double Steel Plate), Milwaukee, Wis.
Buffalo Forge Co., Buffalo, N. Y.
Carlisle & Gale Co., 5 North, Boston, Mass.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Dixie Mfg. Co., Russel & B. & O. R. R., Baltimore, Md.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
HERSH & BROS., Allentown, Pa.
*See adv index at end of book*
Howard & Morse, 45 Fulton, New York
Indiana Fan Co., 40 E South, Indianapolis, Ind.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O
Massachusetts Blower Co., Watertown, Mass.
Miller J. K. Co. ("Western"), Seattle, Wash.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
New York Blower Co., Archer av & Canal, Chicago, Ill. Works: Bucyrus, O.
Skinner Bros. Mfg. Co., 10th & Tyler, St. Louis, Mo.
Sterling Blower Co. ("Sterling"). Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Western Blow Pipe Co., 2524 S 7th, St. Louis, Mo.
Western Blower Co., 189, 9th av, So., Seattle, Wash.

## 4475—Exhausters (Pump & Engine Starting)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 4476—Exhausters (Steam Jet)

See also Gas Works Apparatus & Construction

Isbell-Porter Co., 46 Bridge, Newark, N. J.
Lloyd Construction Co., Detroit, Mich.

## 4477—Exhausters (Turbine Driven)

DE LAVAL STEAM TURBINE CO., East Trenton, N. J.
*See adv index at end of book*

## 4478— Exhibitors (Rug)

Best John H., Galva, Ill.
Consolidated Carpet Sewing Machine Co. "E Z" Book. "20th Century," "Eschweiler" Track), Bridgeport, Conn.
Taft Machine Co. ("Taft Almetul"), 229 Globe, Providence, R. I.

## 4479—Expanded Metal ("Steel-Crete" Mesh & Lath)

See also Lath, Expanded Metal

Consolidated Expanded Metal Co.'s, Braddock, Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.

## 4480— Expanders (Hose)

Elkhart Brass Mfg. Co., Elkhart, Ind.
Hayward S. F. & Co., 250 W 54th, New York
Larkin Mfg. Co. ("Buckley" Hydraulic), Dayton, O.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Universal Nozzle Co., Indianapolis, Ind.

## 4481— Expanders (Tube)

See also Pneumatic Flue Expanders

Ajax Mfg. Co. ("Collins" Self-Feed & "Pittsburg" Roller ½" to 6"), 848 Jackson, Pittsburgh, Pa.
Bullock Chas. K. (Boiler), 1357 Ridge av, Phila., Pa.
Dudgeon Richard (Boiler), 24 Columbia, New York
Elliott B. K. Co. (Combination Tube Cutter & Expander), 126 6th, Pittsburgh, Pa.
Faessler J. Mfg. Co. ("Boss Roller," "Universal" Roller Flue, etc), Moberly, Mo.
GODFREY-KEELER CO., 70 Warren, New York *See adv index at end of book*
Helwig Mfg. Co. ("Helwig" Hand & Power, Self-Feeding Flue), St. Paul, Minn.
Henderer's A. L. Sons ("Ferguson," Self-Feed Roller), Wilmington, Del.
King A. R. Mfg. Co., Kingston, N. Y.
Lovejoy Tool Works (All Steel Ball Bearing Self-Feeding Roller, for Hand or Power, also Sectional Spring), 319 W Ohio, Chicago, Ill.
*See adv index at end of book*
Nicholson W. H. & Co. ("Nicholson" Self-Feeding & Self-Releasing Roller), Wilkes-Barre, Pa.
Oswego Tool Co. ("World's Champion" Spring, Oswego, N. Y.
Prosser Thos. & Son ("Prosser" Boiler), 15 Gold, New York
RYERSON JOSEPH T. & SON, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
UNITED MACHINE & MFG. CO. (Boiler), Canton, O.
Wiedeke Gustav & Co. ("Ideal," Self-Feed Roller, "Dayton," "Standard" Rollers "Victor," "Heine," "B. & W.," Water Tube Expanders), Dayton, O.

## 4482—Expansion Shields & Bolts

ANKYRA MFG. CO., Wayne Junction, Phila., Pa. *See adv index at end of book*
Star Expansion Bolt Co. ("S E B C"), 145 Cedar, New York
*See adv index at end of book*
Van Expansion Bolt Mfg. Co. ("Van" Shields), 53 W Jackson blvd, Chicago, Ill.

## 4482a—Expellers—Ash (S.S.)

McNab Co. ("Stones"), Bridgeport, Conn.
*See adv index at end of book*

## 4483—Expellers (Oil & Moisture)

ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.
*See adv index at end of book*

## 4484— Exploders

See also Blasting Fuses, Cap, etc

HERCULES POWDER CO. ("Ideal," Delay Action), Wilmington, Del.
*See adv index at end of book*

## 4485— Exploders (Cartridge)

Susquehanna Casting Co., Wrightsville, Pa.

## 4485a—*Exploders (Delay Action)

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*

## 4486—Exploders (Paper Cap)

Wrightsville Hardware Co. ("Dewey" & "Yellow Kid" Bombs), Wrightsville, Pa.

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JOPLIN, MO.
NEW YORK CITY
SALT LAKE CITY, UTAH
PITTSBURGH, PA.
CHATTANOOGA, TENN.

## 4487—*Explosives (All Kinds)

See also Powder Mfrs., Dynamite Mfrs., etc.

Du Pont (E. I.) De Nemours & Co. Wilmington, Del.

**GIANT POWDER CO. CONS,** San Francisco, Cal. *See adv index at end of book*

Hercules Powder Co., Wilmington, Del. *See adv index at end of book*

## 4488— *Explosives (Blasting)

**ATLAS POWDER CO.,** 140 N Broad, Phila., Pa. *See adv index at end of book*

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Hercules Powder Co., Wilmington, Del. *See adv index at end of book*

McAbee G. R. Powder & Oil Co., Keenan bldg, Pittsburgh, Pa.

## 4488a— *Explosives (High)

Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*

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## 4488b—Explosives (Metal Mining)

**GIANT POWDER CO. CONS.,** San Francisco, Call. *See adv index at end of book*

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San Francisco, Cal.

Hrecules Powder Co., Wilmington, Del. *See adv index at end of book*

Phoenix Fire Extinguishing Co., Norwich., Conn.

## 4489—*Explosives (Permissible)

**ATLAS POWDER CO.,** 140 N. Broad, Philadelphia, Pa. *See adv index at end of book*

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Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*

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San Francisco, Cal.

## 4490— Extension (Bit Brace)

Goodell-Pratt Co., Greenfield, Mass.

## 4491-2— Extensonmeters

Atlas Copper & Brass Mfg. Co., 2743 High, Chicago, Ill. *See adv index at end of book*

Taylor Instrument Companies ("Ewing"), Rochester, N. Y.

Wissler A., B'way & Wash'n av, St. Louis, Mo.

## 4493— Extract (Archil)

Bird J. A. & W. & Co. (Agents for Clemons, Marshall & Carbet, Leeds, England), 88 Pearl, Boston, Mass

Innis, Speiden & Co., 46 Cliff, New York *See adv index at end of book*

## 4493a— Extract (Divi Divi)

Imperial Color Works, Inc., Glens Falls, N. Y.

Marden Orth & Hastings, 136 Liberty, New York.

Young J. S. & Co., Hanover, Pa.

## 4493b— Extract (Fustic)

American Dyewood Co., 80 Maiden lane, New York

Jamaica Dyewood & Chemical Co., 50 Church, New York.

## 4493c— Extract (Quercitron)

Am. Dyewood Co., 80 Maiden Lane, New York.

Imperial Dyewood Co., Inc., Glens Falls, N. Y.

Kuttroff Pickhardt & Co., Inc., 128 Duane, New York.

Marden Orth & Hastings Corp., 61 B'way, New York.

Taylor White Extracting Co., Camden, N. J.

Young J. S. & Co., Hanover, Pa.

## 4493d—Extractor Baskets (Metal)

Hamilton Copper & Brass Works, Hamilton, Ohio
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 4494— Extractors (Barley)

Huntley Mfg. Co. ("Monitor" for Extracting Barley from Other Grain), Silver Creek, N. Y.

## 4495-6— Extractors (Boll)

Alsop Process Co. ("St. Louis," "Alsop," Cotton), St. Louis, Mo.

## Extractors (Cork)

See Pullers, Cork.

## 4497—Extractors (Cotter Pin)

Boder Cutlery & Hardware Co. ("Alsteel"), 101 Duane, New York
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chapin Stephens Co., Pine Meadow, Conn.
Forged Products Co. ("Gibraltar"), Conway bldg., Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Marcy Tool Works, Putnam, Conn.
Mossberg Frank Co. ("Mossberg" Puller & Spreader), Attleboro, Mass.
Noonan A. S. Tool & Machine Works, Rome, N. Y.
Plomb Tool Mfg. Co., 2209 Av Santa Fe, Los Angeles, Cal.
S. & L. Co., Springfield, Mass.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.

## 4498—Extractors (Curd, Clothes Wringing)

Empire Laundry Machinery Co. ("Crawford"), 352 Western av, Boston, Mass.
Troy Laundry Machinery Co. (Ltd.), (Solid Curd), 23d & La Salle, Chicago, Ill.

## 4498a—Extractors Dyewood & Tanning

Furman & Fisher Corp., 32 Church, New York *See adv index at end of book*
**LUMMUS WALTER E. CO.**, 171 Milk, Boston, Mass.
Scott Ernest Co. ("Scott"), Fall River, Mass.

## 4499— Extractors (Garlic)

Huntley Mfg. Co. ("Monitor" for Extracting Garlic from Grain), Silver Creek, N. Y.

## 4500— Extractors (Gold)

Dibert L. C. Co. ("Dibert"), 138 st, San Francisco, Cal.

## 4501— Extractors (Honey & Beeswax)

Falconer W. T. Mgf., Co., Falconer, New York.
Kretchmer Mfg. Co ("Kretchmer" Automatic), Council Bluffs, Ia
Root A. I. Co., Medina, O.

## 4502— Extractors (Ingot)

**MORGAN ENGINEERING CO.**, Alliance, Ohio *See adv index at end of book.*
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.

## 4503—Extractors (Lemon Juice)

Cassady Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.

## 4504— Extractors (Mandrel)

United Engineering & Foundry Co. (Hydraulic & Belt Driven), Keenan bldg, Pittsburgh, Pa.

## 4505—Extractors (Meat Juice

Wrightsville Hardware Co. ("Brighton") Wrightsville, Pa.

## 4506—Extractors (Oil & Grease)

See also Extractors, Steam & Oil.
Acton John ("Nelson" Water Separator or Grease Extractor), 118 John, Brooklyn, N. Y.
Ambrose Machine Co., 251 Eagle, Brooklyn, N. Y.
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
**BARTLETT C. O. & Snow CO.**, Fall, Cleveland, O.
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Consolidated Engineering Co. ("Van Auken"), 507 W Jackson blvd, Chicago, Ill.
Curtis Albert B., oil extractors, Worcester, Mass.
D'Olier Centrifugal Pump & Machine Co., 1421 Chestnut, Phila., Pa.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Garrigue Wm. & Co. (Oil), 154 Nassau, New York & Chicago
**GRISCOM-RUSSELL CO.** ("Reilly Multiscreen" & "Ebsen"), 92 West, New York *See adv index at end of book*
Hussey, McCann & Co. ("Peerless" Grease), 87 Warren, New York.
Jacobs Chas. & Co. ("Lowden"), 258 Franklin, Boston, Mass.
Jarvis Engine & Machine Works ("Monitor," Oil Only), Lansing, Mich.
Lagonda Mfg. Co., Springfield, O.
Lummus Walter E. Co. (Solvent Process, Oil, Seeds & Resins), 171 Milk, Boston, Mass.
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Patterson Kelley Co., 26 Cortlandt, New York
Reliance Mfg. Co., Cleveland, O.
Robertson Jas. L. & Son ("Hines"), 78 Murray, New York
Row & Davis Engineers Inc., 90 West, New York. *See adv index at end of book*
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sims Co. ("Sims" Cast Iron), 18th & Whitley av, Erie, Pa.
**UNITED MACHINE & MFG. CO.**, Canton, O.

## 4506a— Extractors (Screw)

Cleveland Twist Drill Co. ("Ezy-Out"), 1 E 49th, Cleveland, O.

## 4507— Extractors (Stone)

Huntley Mfg. Co. ("Monitor" for Extracting Stone from Grain, etc), Silver Creek, N. Y.

## 4508— Extractors (Tap)

Graham Mfg. Co., 96 Point, Providence, R. I.
Walton Co. ("Walton"), Hartford, Conn.

## 4509— Extractors (Tar)

Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Buffalo Forge Co., Buffalo, N. Y.
Gas Machy. Co., 1900 Euclid av, Cleveland, O.
Isbell-Porter Co. ("P. & A." for Water Gas), 46 Bridge, Newark, N. J.
Smith Gas Engineering Co. ("Smith"), Lexington, Richland Co., Ohio
**WESTERN GAS CONSTRUCTION CO.**, Fort Wayne, Ind.
*See adv index at end of book*

## 4510— Extracts (Bark)

American Extract Co. (Hemlock), 129 W Kinzie, Chicago, Ill.
Heald Jno. H. & Co., Lynchburg, Va.
Kuttroff Pickhardt & Co., Inc. (Selling agents), 128 Duane, New York
Marden, Orth & Hastings Co. (Hemlock, Chestnut, Oak, Spruce, etc), 136 Liberty, New York
Michigan Tanning & Extract Co. (Hemlock, etc), Petosky, Mich.
Smethport Extract Co. (Pure Hemlock), Exchange bldg, Boston, Mass.
Tanners Extract Co. (Chestnut, Oak), Charleston, W. Va.
Young John S. & Co., Hanover, Pa.

## 4511— Extracts (Dyewood)

American Dyewood Co., 80 Maiden la, New York
Baltic Chemical Co., 440 B'way, New York
Campbell John & Co., 75 Hudson, New York
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Herrick & Voigt, 68 Maiden Lane, New York
Industrial Chemical Co., 220 5th av, New York
Jamaica Dyewood & Chemical Co. ("Rio D'Oro" Brand), 50 Church, New York
Klipstein A. & Co., 644 Greenwich, New York
Kuttroff Pickhardt & Co., Inc. (Selling Agents), 128 Duane, New York
Lewis John D., 63 Charles, Providence, R. I.
Leyland Thos. & Co., Readville, Boston, Mass.
McKenna J. L. & Co., 524 W B'way, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Rice Edward E. & Co., 620 Atlantic av Boston, Mass.
Stamford Extract Mfg. Co. (Logwood etc), 88 Wall, New York. Factory. Stamford, Conn.
Sykes W. F. & Co. (Imp), 8 Lispenard, New York
Tanners Extract Co., Charleston, W. Va.
United Indigo & Chemical Co. Ltd., 176 Federal, Boston, Mass.

## 4512— Extracts (Indigo)

American Dyewood Co. (Dealer), 80 Maiden la, New York
Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Klipstein A. & Co., 644 Greenwich, New York
Lewis John D. (Imported), 63 Charles, Providence, R. I.
Ransom L. E. Co. (Imp), 279 Pearl, New York
Rice Edward E. & Co., 620 Atlantic av, Boston, Mass.
United Indigo & Chemical Co. Ltd., 176 Federal, Boston, Mass.
Worden Chemical Works (Imp), 4 Cedar, New York

## 4512a— Extracts (Hemlock)

Imperial Color Works Inc., Glen Fals, N. Y.
Klipstein A. & Co., 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Marion Extract Co., Marion, Va.

## 4512b— Extracts (Hypernic)

Am. Dyewood Co., 80 Maiden Lane, New York
Imperial Dyewood Co., Inc., Glen Falls, N. Y.
Jamaica Dyewood & Chemical Co., 50 Church, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Taylor White Extracting Co., Camden, N. J.

## 4513— Extracts (Logwood)

American Dyewood Co., 80 Maiden Lane, New York
Campbell John & Co., 75 Hudson, New York
Dye Products Co. of the U. S., Kroms & Wiede, Phila., Pa.
Jamaica Dyewood & Chemical Co., 50 Church, New York
Kuttroff Pickhardt & Co., Inc. (Selling Agents), 128 Duane, New York
Lewis John D., 63 Charles, Providence, R. I.
Leyland Thos. & Co., Readville, Boston, Mass.
Marden, Orth & Hastings Co., 136 Liberty, New York
National Gum & Mica Co. (Liquid & Solid), 59th & 11th av, New York
Starkweather & Williams Co., 47 Exchange pl, Providence, R. I.
U. S. Dye Products Co., 801 Vernon av, Long Island City, N. Y
Worden Chemical Works (Imp), 4 Cedar, New York

### 4513a— Extracts (Myrobalan)

Imperial Color Works Inc., Glen Falls, N. Y.
Klipstein A. & Co., 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Young J. S. & Co., Hanover, Pa.

### 4514— Extracts (Quebracho)

Bauer Philip Co. (Imported), 25 W B'way, New York
**Klipstein A. & Co. ("Argam" & Ordinary), 644 Greenwich, New York**
Marden, Orth & Hastings Co., 136 Liberty, New York
**New York Quebracho Extract Co. (Solid & Liquid), 80 Maiden Lane, New York**
Tanners Extract & Chemical Works, Inc., Mariners Harbor, Staten Island, N. Y.

### 4514a— Extracts (Sumac)

Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Imperial Color Works, Inc., Glen Falls, N. Y.
Kuttroff, Pickhardt & Co., Inc., 128 Duane, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
National Gum & Mica Co., 59th & 11th av, New York
Oakes Mfg. Co., Long Island City, N. Y.
Young J. S. & Co., Hanover, Pa.
Zinser & Co., Hastings-on-Hudson, N. Y.

### 4515— Extracts (Tanning)

Champion Fibre Co., Hamilton, O.
**Chilhowie Extract Co., Newport, Tenn.**
**Dennis Martin Co. ("Taiolin"), 359 Summer av, Newark, N. J.**
**Fuerst Bros. & Co. (Imp), 2 Stone, New York**
Haley-Hammond Co., 129 Pearl, New York
**Heald Jno. H. & Co., Lynchburg, Va.**
Industrial Chemical Co., 200 5th av, New York
**Klipstein A. & Co., 644 Greenwich, New York**
Marden, Orth & Hastings Co., 136 Liberty, New York
**Marion Extract Co., Marion, Va.**
Martin Dennis Co. ("Tanolin"), 359 Summer av, Newark, N. J.
**Mount Union Tanning & Extract Co., Mt. Union, Pa.**
**Muskegon Extract Co., Muskegon, Mich.**
**New York Quebracho Extract Co. (Quebracho, etc), 80 Maiden Lane, New York**
Robeson Process Co. ("Spruce"), 18 E 41st, New York
**Rosman Tanning Extract Co., Rosman, N. C.**
**Smethport Extract Co. (Chestnut, Oak & Wood & Hemlock Bark), Exchange bldg, Boston, Mass.**
**Southern Extract Co., Knoxville, Tenn.**
Stamford Extrat Mfg. Co. (Quebracho, etc), 82 Wall, New York. Factory: Stamford, Conn.
**Tanners Extract Co., Charleston, W. Va.**
Tanners Extract & Chemical Works, Inc., Mariners Harbor, Staten Island, N. Y.
**United Indigo & Chemical Co., Ltd., 176 Federal, Boston, Mass.**
**Young John S. & Co. (Bark), Hanover, Pa.**

### 4515a—Eye Glass & Spectacle Fittings, Frames & Mountings

B. B. W. Mfg. Co. (Zylenite), 251 W 19th, New York
Short W. P. (Metal & Tortoishell), 99 Chestnut, Newark, N. J.

### Eye Glasses

See Lenses

### Eye Shades

See Goggles & Eye Protectors

### 4516— Eyelet Sets

Eyelet Tool Co., 40 Lincoln, Boston, Mass.
Lowentraut P. Mfg. Co., 86 Brenner, Newark, N. J.

### 4516a— Eyelets (All Metals)

**Am. Ring Co., 531 Bank, Waterbury, Conn.**
**Empire Elec. & Mfg. Co., Plainville, Conn.**
Grammes L. F. & Sons, 344 Union, Allentown, Pa. *See adv index at end of book*
Midwest Brass & Copper Co., Inc. (Brass), 480 Broome, New York
*See adv index at end of book*
Scovill Mfg. Co. (to order only), Waterbury, Conn. *See adv index at end of book*
**WATERBURY BUTTON CORP., 831 S Main, Waterbury, Conn.**
***See adv index at end of book***
Waterbury Mfg. Co., Waterbury, Conn.
Zinn Simon, Inc., 25th & 11th av, New York

### 4517—Eyelets (Carriage, Etc.)

**Brewer-Titchener Corp., Cortland, N. Y.**
Crandal-Stone Division (The Brewer-Titchener Corp.), Binghamton, N. Y.
**Goshen Eyelet Co. ("Dickinson"), Goshen, Ind.**
**Metal Stamping Co., 13th, Long Island City, N. Y.**
**Monarch Carriage Goods Co., Cincinnati, Ohio**
**Neider F. A. Co., Augusta, Ky.**
**Rimmon Eyelet Co., Seymour, Ct.**
**Stimpson E. B. Co., 68 Franklin av, Brooklyn, N. Y.**
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

### Eyelets (Knob)

See Eyelets, Carriage, etc

### 4518— Eyelets (Shoe, Etc.)

**Agatine Shoe Hook & Eyelet Co., 258 Norfolk, Newark, N. J.**
**Caseley & Neemes (Corset), Taunton, Mass.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Halyard Mfg. Co., Providence, R. I.**
**Hughes Eyelet Co., Taunton, Mass.**
**Platt Bros. & Co., Waterbury, Conn.**
**Rhodes J. C. & Co. (Shoe, Tag & Corset), New Bedford, Mass.**
**Rimmon Eyelet Co., Seymour, Conn.**
**S. O. & C. Co. (Shoe, Corset, etc), Ansonia, Conn.**
**Sibley E. L. Mfg. Co., Bennington, Vt.**
**Stimpson Edwin B. Co., 68 Franklin av, Brooklyn, N. Y.**
**United Shoe Machinery Co. (All Kinds, Fast Color), 205 Lincoln, Boston, Mass.**
Waterbury Brass Goods Corp., Waterbury, Conn.
**Waterbury Mfg. Co., Waterbury, Conn.**

### 4519— Eyers (Pineapple)

Crown Pitter Co., Cleveland, O.
**Reading Saddle & Mfg. Co. (Combined with Strawberry Huller), Reading, Pa.**
**Spengler-Loomis Mfg. Co. ("Peerless"), 58 E Washington, Chicago, Ill.**
**White Ira F. & Son Co., Bloomfield, N. J.**

### 4519a— Eyes (Artificial)

Babbitt James P. (Glass), Taunton, Mass.
Fried Chas., 110 E 23rd, New York
Kohler Bros., 129 E 23rd, New York
Mager & Gouglemann, 104 E 12th, New York
Schoepfler G., 1423 E 95th, Bklyn, N. Y.

### 4520—Eyes (Brass & Bright Wire)

**Jencks E. Mfg. Co. (Screw, Stair Rod, Bird Cage, Harness, Hitching, Storm Window Strop, etc), Worcester, Mass.**
Nelson Tool Co., Inc., 782 E 142nd, New York
**Parker Wire Goods Co., Worcester, Mass.**
Waterbury Button Corp. (Brass), 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 4521— Eyes (Lacing)

**Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.**

### 4522— Eyes (Pole & Shaft)

**Blakeslee Forging Co., Plantsville, Conn.**
**Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.**
**Cowles C. & Co., New Haven, Conn.**
**Eccles Richard Co., Auburn, N. Y.**
**Smith H. D. Co., Plantsville, Conn.**
**Strieby & Foote Co., Newark, N. J.**
**Upson Nut Co., Cleveland, O.**

### Eyes (Screw)

See Screw Eyes

### 4522a—Fabric (Aeroplane)

Courtral Mfg. Co., 115 Franklin, New York
McBratney Robt. & Co., 121-123 Franklin, New York

### 4523—Fabric (Wire Link, for Spring Beds)

**Automatic Woven Wire Supply Co., Mangin & Delancey, New York**
Mattatuck Mfg. Co. ("National," "Mottoluck Columbia"), Waterbury, Conn.

### Fabricators (Steel Building)

See Steel Structural Work

### Fabrics (Automobile Top)

See Cloth, Rubber Coated; **Also Leather, Artificial**

### 4524— Facing Arms

Underwood H. B. & Co. (Portable), 1025 Hamilton, Phila., Pa.

### Factory Buildings (Steel)

See Steel Structural Work

### 4524a—Factory Enclosures (Fences and Gates)

Page Steel & Wire Co., Adrian, Mich.

### 4524b— Fair Leaders

Thacher Propeller & Foundry Corp., Albany, N. Y.

### 4525— Fans (Acid)

Connecticut Blower Co., Inc. ("Keeney"), 133 Sheldon, Hartford, Conn.
Duriron Castings Co., Dayton, O.
**Stearns-Roger Mfg. Co. ("Heinz-Skinner"), Denver, Col.**

### 4526— Fans (Battery Motor)

Carleton Co., 170 Summer, Boston, Mass.
**Kendrick-Davis Co. ("Ajax," "Standard," "Kent"), Lebanon, N. H.**
**Knapp Electric & Novelty Co. ("Kenco"), 511 W 51st, New York**
Manhattan Electrical Supply Co., 17 Park pl, New York
***See adv index at end of book***
**Menominee Elec. Mfg. Co., Menominee, Mich.**
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.

### Fans (Ceiling)

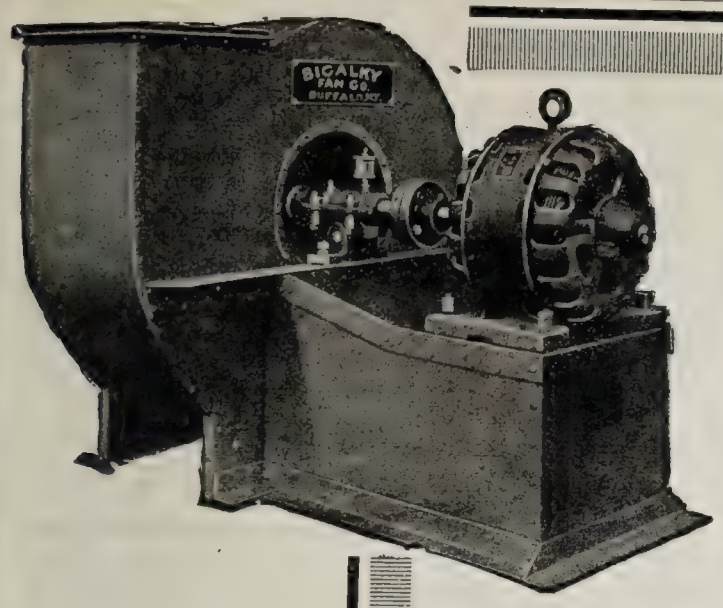
**See Fans, Ceiling Belted; also Fans, Ceiling Electric; also Fans, Water Motor**

### 4527— Fans (Ceiling, Belted)

Hunter Fan & Motor Co. ("Tuerk"), Fulton, N. Y.
Indiana Fan Co., 40 E South, Indianapolis, Ind.
**Ochsner A. & Son, New Haven, Conn.**
**Seymour J. M. Jr., 51 Lawrence, Newark, N. J.**
**Tolhurst Machine Works, Troy, N. Y.**

### 4528—Fans (Ceiling, Electric)

**Adams-Bagnall Electric Co. ("Jandus," "Gyrofan" Alternating & Direct Current), Platt av, Cleveland, O.**
**Century Electric Co. ("Century," Alternating Current), 19th & Pine, St. Louis, Mo.**

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Perry Building Philadelphia, Pa.

Dayton Fan & Motor Co. (Direct & Alternating Current), Dayton, O.
**Diehl Mfg. Co. (Direct Current), Elizabeth, N. J.**
Eck Dynamo & Motor Co. ("Hurricane," "Eck Hurricane"), Belleville, N. J.
**Emerson Electric Mfg. Co. (Alternating Current), 2024 Wash av, St. Louis, Mo.**
**Fidelity Electric Co. (Direct Current), Lancaster, Pa.**
**GENERAL ELECTRIC CO. (Direct Current), Schenectady, N. Y.**
*See adv index at end of book*
**Hunter Fan & Motor Co. ("Tuerk," Adjustable Direct & Alternating Current), Fulton, N. Y.**
**Peerless Electric Co. ("Peerless," Direct Current), Warren, O.**
Robbins & Myers Co. (Direct & Alternating), 1400 Lagonda av, Springfield, O.
**Sprague Electric Works ("Lundell," Direct Current), 527 W 34th, New York**
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*

## 4529— Fans (Centrifugal)

**American Blower Co. ("Sirocco," "A P C"), 1400 Russell, Detroit, Mich.**
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton, New York
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
New York Blower Co., Archer av & Canal, Chicago, Ill. Works: Bucyrus, O.
Ottumwa Box Car Loader Co., Ottumwa, Iowa
Stine S. B., Osceola Mills, Pa.

## 4529a— Fans (Cinder)

National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

## 4529b—Fans (Collecting & Conveying)

Boston Blower Co., Hyde Park, Boston, Mass.
Connecticut Blower Co., Inc ("Keeney"), 133 Shelden, Hartford, Conn.
**HERSH & BROS., Allentown, Pa.**
*See adv index at end of book*

## Fans (Desk & Office)

See Fans, Electric, Portable, Alternating Current; also Fans, Electric Portable, Direct Current

## 4529c— Fans (Dust Handling)

Buffalo F[illegible] Buffalo, N. Y
Durion Castings Co., 90 West, New York
Ilg Electric Ventilating Co., Crawford av, near Diversey blvd, Chicago, Ill.

## 4530—Fans (Electric Disc, Direct Connected)

American Blower Co. ("A B C," "Cyclone," "Ventura"), 1400 Russell, Detroit, Mich.
Barney Ventilating Fan Wks, 25 Haverhill, Boston, Mass.
Batterman Truitt Co., 736 W Monroe, Chicago, Ill.
Bayley Mfg. Co., Milwaukee, Wis.
Bicalky Fan Co., Buffalo, N. Y
Buffalo Forge Co., 490 B'way, Buffalo, N. Y.
Connecticut Blower Co., Inc. ("Keeney"), 133 Sheldon, Hartford, Conn.
Crocker-Wheeler Co., Ampere, N. J.
Diehl Mfg Co., Elizabeth, N. J.
Eck Dynamo & Motor Co. ("Hurricane"), Belleville, N. J.
**Emerson Elec. Mfg. Co., 2024 Wash'n av, St. Louis, Mo.**
Fuller Co., Detroit, Mich.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
**GENERAL ELECTRIC CO., Schenectady N. Y.** *See adv index at end of book*
Green Fuel Economizer Co., Beacon, N. Y.
**HERSH & BROS., Allentown, Pa.**
*See adv index at end of book*
Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton, New York
Ilg Elec. Ventg. Co., Crawford av, near Diversey blvd, Chicago, Ill.
Indiana Fan Co., 40 E South, Indianapolis, Ind.
Johnston Wm. T. Co., 3d & Vine, Cincinnati O.
Kimble Elec. Co., 634 N Western, Chicago, Ill.
Massachusetts Blower Co., Watertown, Mass.
Mechanical Appliance Co. ("Watson") Milwaukee, Wis.
New York Blower Co., Archer av & Canal, Chicago, Ill.
Peerless Electric Co. ("Peerless"), Warren, Ohio.
Perkins B. F. & Son, Holyoke, Mass.
Protective Ventilator & Screen Corp., 330 E 23rd, New York
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Rochester Motors Co., Rochester, N. Y.
Seymour J. M. Jr., 51 Lawrence, Newark, N. J.
Sprague Electric Works, 527 W 34th, New York
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*
Wing L. J. Mfg. Co. (Blowers, Electric), 352 W 13th, New York

## 4531—Fans (Electric Portable, Alternating Current)

Adams-Bagnall Electric Co. ("Jandus"), Platt av, Cleveland, O.
American Blower Co., 1400 Russell, Detroit, Mich.
Century Electric Co., 19th & Pine, St. Louis, Mo.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Crocker-Wheeler Co., Ampere, N. J.
Dayton Fan & Motor Co., Dayton, Ohio
Diehl Mfg. Co., Elizabeth, N. J.
Dilg Mfg. & Trading Co., 27 E 125th, New York
Eck Dynamo & Motor Co. ("Hurricane," "Eck Hurricane"), Belleville, N. J.
Emerson Electric Mfg. Co., 2024 Wash. av, St. Louis, Mo.
Fidelity Electric Co., Lancaster, Pa.

FANS (ELECTRIC PORTABLE, ALTERNATING CURRENT)—continued

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Gilbert A. C. Co. ("Polar Cub"), New Haven, Conn.
Hunter Fan & Motor Co., Fulton, N. Y.
Peerless Electric Co. ("Peerless"), Warren, O.
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Shedd Electric Co. ("Comfort"), Roselle Park, N. J.
Western Electric Co, 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 4532—Fans (Electric Portable, Direct Current)

Adams-Bagnall Electric Co. ("Jandus," Direct Current), Platt av, Cleveland, Ohio
American Blower Co., 1400 Russell, Detroit, Mich
Carbeton Co., 170 Summer, Boston, Mass.
Crocker-Wheeler Co., Ampere, N. J.
Commercial Electrical Supply Co., B'way & Spruce, St. Louis, Mo.
Dayton Fan & Motor Co. (Alternating & Oscillating), Dayton, O.
Diehl Mfg. Co. ("Universal"), Elizabeth, N. J.
Dilg Mfg. & Trading Co., 27 E 125th, New York
Eck Dynamo & Motor Co. ("Hurricane," "Eck Hurricane"), Belleville, N. J.
Emerson Electric Mfg. Co., 2024 Wash'n av, St. Louis, Mo.
Fidelity Elec. Co., Lancaster, Pa.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Gilbert A. C. Co. ("Polar Cub"), Fox, New Haven, Conn.
Hamilton-Beach Mfg. Co. ("Hamilton-Beach"), Racine, Wis.
Hunter Fan & Motor Co., Fulton, N. Y.
Knapp Elec. & Nov. Co., 569 W 51st, New York
Kokomo Oscillating Fan Co., Kokomo, Ind.
Lindstrom-Smith Co., 3212 W Lake, Chicago, Ill.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Massachusetts Blower Co., Watertown, Mass.
Menominee Electric Mfg. Co., Menominee, Mich.
Parker Machine & Fan Works, Kansas City, Kans.
Peerless Electric Co. ("Peerless"), Warren, Ohio
Racine Universal Motor Co., 53 W Jackson blvd, Chicago, Ill.
Robbins & Myers Co. (also Alternating Current), 1400 Lagonda av, Springfield, O.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Shedd Electric Co. ("Comfort"), Roselle Park, N. J.
Sprague Electric Works ("Lundell"), 527 W 34th, New York
Star Electric Motor Co., Miller & N. J. R. R. av, Newark, N. J.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 4533—Fans (Exhaust or Ventilating)

See also Blowers, Various Kinds; also Fans, Mine Ventilating; also Fans, Electric, Various Kinds

### CONNECTICUT.

HARTFORD—Connecticut Blower Co., Inc. ("Keeney"), 133-139 Sheldon
WINDSOR LOCKS—Clark George P. Co.

### ILLINOIS.

CHICAGO—Batterman Fruitt Co. (& Blower, Electric), 736 W Monroe
Cyclone Blow Pipe Co., 2552 W 21st
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av
Garden City Fan Co., 332 S Michigan av
Ilg Electric Ventilating Co. (Self-Cooled Motor), Crawford av, near Diversey blvd
Invincible Blow Pipe Co., 2527 Homer
New York Blower Co., Archer av & Canal. Works: Bucyrus, O.
Raymond Bros. Impact Pulverizing Co. (Exhaust Only), 1346 North Branch
Sturtevant B. F. Co. ("Sturtevant," "Multivane," "Monogram," "Steel Pressure," "Supervane"), 530 S Clinton
U. S. Steel Tank & Pipe Co., 2090 Canalport av

### INDIANA.

INDIANAPOLIS—Nordyke & Marmon Co., Kentucky av & Morris

### KANSAS.

KANSAS CITY—Parker Machine & Fan Works
WICHITA—Reschke Machine Works

### LOUISIANA.

NEW ORLEANS—National Blow Pipe & Mfg. Co., 738 Dryades

### MARYLAND.

BALTIMORE—Dixie Mfg. Co., Russell & B. & O. R. R.

### MASSACHUSETTS.

BOSTON—Banister A. W. Co., 421 Dorchester av S
Barney Ventilating Fan Works (Compound) (A. B. Franklin, Prop.), 25, Haverhill
Berry A. Hein Fan Co., 29 W 1st, So. Boston
Boston Blower Co., Hyde Park
Carlisle & Gale Co. (Slow Speed, Low Power), 5 North
Electric Blower Co. ("Marvel"), 352 Atlantic av
Sturtevant B. F. Co. ("Sturtevant," "Multivane," "Monogram," "Steel Pressure," "Turbovane"), 15 Damon, Hyde Park
HOLYOKE—Perkins B. F. & Son
NEWTON—Davidson Fan Co.
WATERTOWN — Massachusetts Blower Co.

### MICHIGAN.

DETROIT—American Blower Co. ("A. B. C."), 1400 Russell
Fuller Co., 1565 Russell
KALAMAZOO—Clarage Fan Co., North & Porter
SAGINAW—Allington & Curtis Mfg. Co.

### MISSOURI.

ST. LOUIS—Century Electric Co., 19th & Pine
Emerson Electric Mfg. Co., 2024 Wash'n av
Skinner Bros. Mfg. Co., 10th & Tyler
Western Blow Pipe & Sheet Metal Co.

### NEW JERSEY.

BELLEVILLE—Eck Dynamo & Motor Co.
ELIZABETH—Diehl Mfg. Co.
EAST TRENTON—**DE LAVAL STEAM TURBINE CO.** (Turbine Driven)
*See adv index at end of book*
NEWARK—Backus Water Motor Co., 172 Penna av
Seymour J. M. Jr., 51 Lawrence

### NEW YORK.

BEACON—Green Fuel Economizer Co.
BUFFALO—Bicalky Fan Co.
Buffalo Forge Co. ("Baby")
FULTON — Hunter Fan & Motor Co. ("Tuerk," Electric & Belt)

### NEW YORK CITY.

NEW YORK—Gerdes T. N., 105 Bank
*See adv index at end of book*
**GODFREY-KEELER CO.**, 70 Warren
*See adv index at end of book*


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Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton
**STURTEVANT B. F. CO.** ("Sturtevant"), 52 Vanderbilt av
*See adv index at end of book*
Typhoon Fan Co., 281 Lexington
Wing L. J. Mfg. Co. ("Scruplex"), 352 W 13th
SCHENECTADY—**GENERAL ELECTRIC CO.** (Electric)
*See adv index at end of book*
TROY—Tolhurst Machine Works (Ventilating)

### OHIO.

BUCYRUS—New York Blower Co. (See Chicago, Ill.)
CINCINNATI—Johnston Wm. T. Co., 3rd & Vine
**Johnston Wm. T. Co., 3rd & Vine**
Kirk & Blum Mfg. Co., 2850 Spring Grove av
CLEVELAND — Bartlett Bros. Co., 178 Huron
Sly W W Mfg. Co., 4700 Train av
SPRINGFIELD—Robbins & Myers Co. (For Small Rooms, etc), 1400 Lagonda av
WARREN—Peerless Electric Co. ("Peerless," Consulting)

### PENNSYLVANIA.

ALLENTOWN—**HERSH & BROS.**, Allentown, Pa.
*See adv index at end of book*
EAST PITTSBURGH — **WESTINGHOUSE ELECTRIC & MFG. CO.**
*See adv index at end of book*
LANCASTER—Champion Blower & Forge Co
PHILADELPHIA—Proctor & Schwartz, Inc. ("Proctor"), 7th & Tabor rd
*See adv index at end of book*

### RHODE ISLAND.

PROVIDENCE—Astle H. J. & Co. ("Boland"), 118 Orange
New England Ventilating & Heating Co., 926 Manton av

### WISCONSIN.

MILWAUKEE—Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Bayley Mfg. Co., 729 Greenbush
Mechanical Appliance Co. (Motor Driven)

## 4533a— Fans (Forced Draft)

Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Green Fuel Economizer Co., Beacon, N. Y.

## 4534— Fans (Fly)

Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
National Enameling & Stamping Co. ("Keyless"), 411 5th av, New York

## 4534a—*Fans (Gyrating, Electric)

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
*See adv index at end of book*

## 4535—Fans (Mine Ventilating)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Blower Co. ("Sirocco"), 1400 Russell, Detroit, Mich.
Buffalo Forge Co., Buffalo, N. Y.
**Clarage Fan Co., North & Porter, Kalamazoo, Mich.**
Connellsville Mfg. & Mine Supply Co. Connellsville, Pa.
Crawford & McCrimmon Co., Brazil, Ind.
Dixie Mfg. Co., Russell & B. & O. R. R., Baltimore, Md.
Duncan Foundry & Machine Works, Alton, Ill.
Eagle Iron Works (Direct Connected). Des Moines, Ia.
Elliott B. K. Co. ("Clifford Capell"), 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Fairmont Mining Machinery Co., Fairmont, W Va.
Finch Mfg. Co., Scranton, Pa.
Fisher Mine Equipment Co., W. Newton, Pa.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
**Harris-Stevens Co., Pittsburgh, Pa.**
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
**HERSH & BROS.**, Allentown, Pa.
*See adv index at end of book*
**JEFFREY MFG. CO.** ("Jeffrey," Centrifugal), **961 N Fourth Columbus, O.**
*See adv index at end of book*
Johnston Wm. T. Co., 3d & Vine, Cincinnati, O.
Litchfield Foundry & Machine Co., Litchfield, Ill.
Marion Machine Foundry & Supply Co., Marion, Ind.
Mineral Ridge Mfg. Co. ("Stevens" Centrifugal), Mineral Ridge, O.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Ottumwa Box Car Loader Co., Ottumwa, Ia.
Ottumwa Iron Works, Ottumwa, Ia.
Parker Machine & Fan Works, Kansas City, Kans.
Robinson Ventilating Co., Jenkins Arcade bldg, Pittsburgh, Pa.
South Side Foundry & Machine Works ("Kanawha"), Charleston, W. Va.
Stine J. C. Co. (6 to 30 ft in diameter), Tyrone, Pa.
Stine S. B., Osceola Mills, Pa.
United Iron Works Co., Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.

## 4536— Fans (Propeller)

American Blower Co., 1400 Russell, Detroit, Mich.
Batterman Truitt Co. ("Autovent"), 736 W Monroe, Chicago, Ill.
**Bicalky Fan Co., Buffalo, N. Y.**
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
**HERSH & BROS.**, Allentown, Pa.
*See adv index at end of book*
Massachusetts Blower Co., Watertown, Mass.
**New York Blower Co., Archer av & Canal, Chicago, Ill.**
**Sterling Blower Co. ("Sterling"), Hartford, Conn.**
Sturtevant B. F. Co. ("Sturtevant" Electric & Pulley), 15 Damon, Hyde Park, Boston, Mass.

## 4537— Fans (Radiator)

Automotive Parts Co. (Hy-Duty in Trucks, Tractors & Passenger Cars), 1509 Bates av, Indianapolis, Ind.
**A. Z. Co., 527 W 56th, New York**
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
**Holtz Fdry. & Mfg. Co., Fremont, O.**
Kelis W. J. Mfg. Co., 521 W 45th, New York
McCord Mfg. Co., 2587 Grand blvd, Detroit, Mich.
**New Britain Sheet Metal Co., New Britain, Conn.**
Oakes Co., Indianapolis, Ind.
Service Products Corp., 301 Kentucky av, Indianapolis, Ind.
**Sparks-Withington Co., Jackson, Mich.**

## 4538—Fans (Roof Ventilating)

American Blower Co., 1400 Russell, Detroit, Mich.
**Bicalky Fan Co. ("Bicalky"), Buffalo, N. Y.**
**HERSH & BROS.**, Allentown, Pa.
*See adv index at end of book*
Parker Machine & Fan Works, Kansas City, Kans.

## 4538a— Fans (Rotary Lead)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 4539-40—Fans (Steel Plate)

American Blower Co. ("A. B. C."), 1400 Russell, Detroit, Mich.
**Buffalo Forge Co. ("Niagara Canoidal"), Buffalo, N. Y.**
**Clarage Fan Co., North & Porter, Kalamazoo, Mich.**
**HERSH & BROS.**, Allentown, Pa.
*See adv index at end of book*
Massachusetts Blower Co., Watertown, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

## Fans (Ventilating)

**See Fans, Exhaust or Ventilating**

## Fans (Ventilating, Engine Connected)

See Blower Manufacturers

## 4541— Fans (Water Motor)

Backus Water Motor Co., 172 Penna av, Newark, N. J.
Hunter Fan & Motor Co., Fulton, N. Y.
Indiana Fan Co. (Desk & Column), 40 E South, Indianapolis, Ind.
Lake Breeze Motor Co. (Oil or Alcohol Driven), 560 W Monroe, Chicago, Ill.
**Seymour James M. Jr., 51 Lawrence, Newark, N. J.**

## 4542— Farina

Albers Bros. Milling Co., Portland, Ore.
Centennial Mill Co., Seattle, Wash.
Commercial Milling Co., 45 Randolph, Detroit, Mich.
Crete Mills, Crete, Neb.
Hecker-Jones-Jewell Milling Co., 43 Corlear Exchange, New York
Hess G. B. Co., Green Bay, Wis.
Lea Milling Co., Wilmington, Del.
Norfolk Cereal & Flour Mills, Norfolk, Neb.
Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.
Red Wing Milling Co., Red Wing, Minn.
Sparr Cereal Co., Marshfield, Wis.

## 4542a— Farm Implements

See also Agricultural Implmt. Mfrs.
**MYERS F. E. & BRO.**, 900 Fourth, Ashland, O. *See advt. top of this page*

## 4542b— *Farm Powder

Atlas Powder Co., 140 N Broad, Phila., Pa. *See adv index at end of book*
Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*

## 4543— Fasteners (Bale Tie)

Acme Steel Goods Co. (Also Shook Tie), 2834 Archer av, Chicago, Ill.
**CARY MFG. CO.**, Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Signode System, Inc., 108 W Lake, Chicago, Ill., & 33 Union sq W, New York

## 4544— Fasteners (Bedstead)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
American Mfg. Co., Chattanooga, Tenn.
Stanley Works, New Britain, Conn.
*See adv index at end of book*
Susquehanna Casting Co., Wrightsville, Pa.
Wrightsville Hardware Co., Wrightsville, Pa.

## 4545—Fasteners (Blind & Shutter)

Auer John Jr. ("Van Sands" Wrought Iron), 197 Middleton, Brooklyn, N. Y.
Axthelm Mfg. Co. (Flush Gravity), 242 3d av, Pittsburgh, Pa.
*See adv index at end of book*
Electrical Appliance Mfg. Co. (Blind), Waterbury, Conn.
Flagg Stanley G. & Co. ("Francis"), Morris bldg, Phila., Pa.
Ives H. B. Co., New Haven, Conn.
Johnston J. D., Newport, R. I.
Orr, Galen & Co., Needham, Mass.
Parker Wire Goods Co. ("Streeter"), Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS** (Wrought Steel, "Boston," Security," blind, & "Shedds" wire blind), New Britain, Conn.
*See adv index at end of book*
**Susquehanna Casting Co., Wrightsville, Pa.**
Tolman, I. W. (Storm Window), 38 Clifton, Worcester, Mass.
Wrightsville Hardware Co. ("Shepard's"), Wrightsville, Pa.


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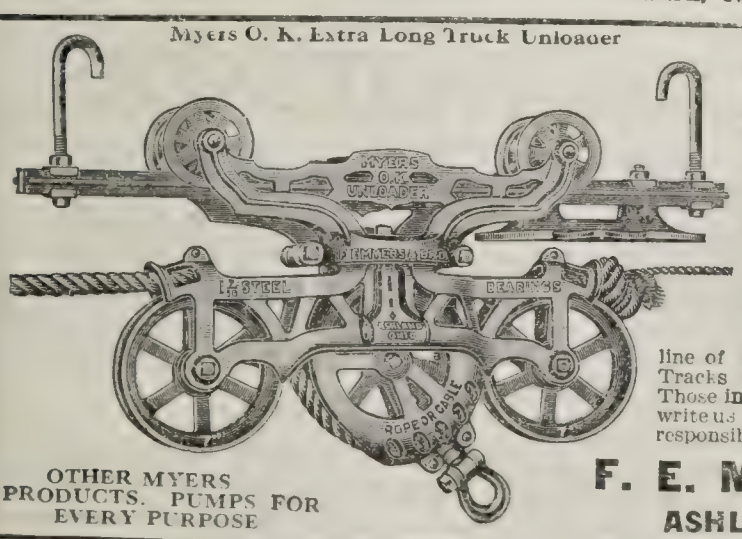


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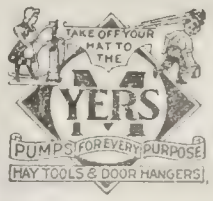


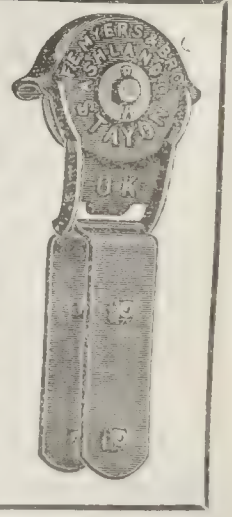


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## 4546—Fasteners (Box & Crate)

Acme Steel Goods Co. (Box, Board & Shook), 2834 Archer av, Chicago, Ill.
**CARY MFG. CO.** (Box Board & Shook), Nassau & Jay, Brooklyn, N. Y.
*See adv index at end of book*
Crouse Metal Mfg. Co., Williamsport, Pa.
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Ryan M. C. Co., Phoenix, N. Y.
**STANLEY WORKS, New Britain, Conn.**
*See adv index at end of book*
Von Kokeritz, R. G. & Co., 114 Liberty, New York
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## Fasteners (Button)

See Fasteners, Carriage, Auto Curtain & Top

## 4547— Fasteners (Car Door)

Dayton Mall. Iron Co. ("Dayton"), Dayton, O.
National Malleable Castings Co., 7706 Platt av S E, Cleveland, O.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Western Railway Equipment Co., Central Nat'l Bank bldg, St. Louis, Mo.

## 4548—Fasteners (Carriage & Auto Curtain & Top)

Auto Specialties Mfg. Co. ("Bair"), Joliet, Ill.
Carr Fastener Co. (Snap Lock "Lift The Dot," "Common Sense"), Boston, Mass.
Cowles C. & Co. ("Brewster," "Ideal," "Perfect," "Success," "Excelsior"), New Haven, Conn.
Crandal, Stone Division The Brewer-Titchener Corp. ("Titchener's," "Perfect," "Pioneer," "Premier"), Binghamton, N. Y.
English & Mersick Co. ("Grip"), New Haven, Conn.
Enterprise Brass & Plating Co. ("Monarch"), 6th & Baymiller, Cincinnati, O.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jonah & George, Merrimac, Mass.
Metal Stamping Co. ("Peerless," "Perfection" & Adjustable), 13th, Long Island City, N. Y.
Murphy G. W. J. Co. ("Murphy"), Amesbury, Mass.
National Lock Washer Co. ("National"), 65 Johnson, Newark, N. J.
Neider F. A. Co. ("Peerless" Brass), Augusta, Ky.
North & Judd Mfg. Co. ("Anchor Brand," "Perfection"), New Britain, Conn.
Novelty Mfg. Co., Waterbury, Conn.
O'Brien Jos. F. Mfg. Co., 391 B'way, New York
Scherer H. & Co., 2803 E Jefferson, Detroit, Mich.
Scovill Mfg. Co. (Auto Snap), Waterbury, Conn. *See adv index at end of book*
Smith Jos. N. & Co. ("Reliable"), 2461 E Grand blvd, Detroit, Mich.
Standard Top & Equipment Co. ("Swan"), 1849 E 65th, Cleveland, O.
Trojan Button Fastener Co., Troy, N. Y.
United States Fastener Co., 95 Milk, Boston, Mass.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Weiss Chas. & Son ("Separable"), 4715 Cottage Grove av, Chicago, Ill.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Woodruff Walter W. & Sons Co., Mt Carmel, Conn.

## 4549— Fasteners (Chain Door)

Grey Iron Castings Co., Mt. Joy, Pa.
Pacific Hardware Mfg. Co., Los Angeles, Cal.
Penn Hardware Co., Reading, Pa.
Racine Iron & Wire Works ("Anti-Panic"), Racine, Wis.
Sargent & Co., New Haven, Conn.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 4550— Fasteners (Cloth)

Salisbury Mfg. Co. (For Rolls of Cloth, etc), 14 Leather av, Providence, R. I.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 4551—Fasteners (Clothes Line)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Household Appliance Co., Neenah, Wis.
Noll Geo. H. ("Gem"), 27 Crescent, Brooklyn, N. Y.

## 4552-3—Fasteners (Clothing, Glove, Etc.)

See also Fasteners, Snap, also Hooks & Eyes, Dress

Alma Mfg. Co. (Snap), 611-61 S Monroe, Baltimore, Md.
American Fastener Co. ("Teneo" for garments), Waterbury, Conn.
Carr Fastener Co. (Snap Lock), Boston, Mass.
Cross Metal Products Corp., 2472 3rd av, New York
Federal Snap Fastener Corp. ("Harmony," "Finery," "Twinity" for Garments), 27 W 31st, New York
Glogau & Co. (Snap), 466 Dickey bldg, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Lane Mfg. Co. (Snap, for Gloves, Knit Goods, Pocket Books, Belts, Caps, etc), Waterbury, Conn.
Metal Specialty Manfg. Co., Inc., 300 Aurora, Waterbury, Conn.
*See adv index at end of book*
Rau Fastener Co. (Snap, for Gloves, etc), 102 Westfield, Providence, R. I.
*See adv index at end of book*
Scovill Mfg. Co. (Snap), Waterbury, Conn.
*See adv index at end of book*
Sterling Fastener Co., 432 E 71st, New York
Teneo Co., Inc. ("Teneo" Snap Fastener), 116 W 32nd, New York
*See adv index at end of book*
U. S. Fastener Co. (Clothing, Glove, Umbrella, Pocket Book, Shoe, Cap, etc), 95 Milk, Boston, Mass.
Waldes & Co., Inc. ("Koh-I-Noor" Snap), 315 5th av, New York
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 4554—Fasteners (Concrete Form)

Ryan M. C. Co. ("Sherwood"), Phoenix, N. Y.

## 4555—Fasteners (Conductor Pipe)

See also Hooks, Pipe

Berger Bros. Co., 229 Arch, Phila., Pa.
Berger Mfg. Co. (Adjustable), Canton, O.
Iwan Bros., South Bend, Ind.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Ohio Corrugating Co., Warren, O.
Republic Metalware Co., Buffalo, N. Y.

## 4556— Fasteners (Conduit)

Hart & Hegeman Mfg. Co. (For Holding Flexible Conduits in Wall Cases), Hartford, Conn.

## 4557—Fasteners (Corrugated Steel)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
**CARY MFG. CO.**, Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Knight H. W. & Son, Seneca Falls, N. Y.
Shanafelt Mfg. Co., Canton, O.
Smallwood W. R. Mfg. Co., Gowanda, N. Y.
**STANLEY WORKS, New Britain, Conn.**
*See adv index at end of book*
Twisted Wire & Steel Co., 437 11th av, New York
Williamsport Joint Fastener Co., Williamsport, Pa.
Wrightsville Hardware Co., Wrightsville, Pa.

## 4558—Fasteners (Curtain, Car, Etc.)

Carr F. S. Co., Boston, Mass.
Copp George W. & Co., Inc., 557 W 54th, New York
Cowles C. & Co., New Haven, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jarvis Charles L. Co. (Curtain), Gildersleeve, Conn.
Neider F. A. Co., Augusta, Ky.
Novelty Mfg. Co., Waterbury, Conn.
Roehm & Davison, Wayne & Woodbridge, Detroit, Mich.
St. Louis Car Co. (For Car Curtains), 8000 N B'way, St. Louis, Mo.
Smith Jos. N. & Co., 2461 E Grand blvd, Detroit, Mich.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Weiss Chas. & Son, 4715 Cottage Grove av, Chicago, Ill.


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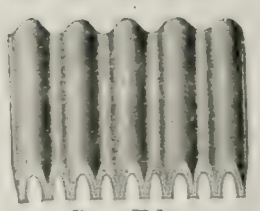
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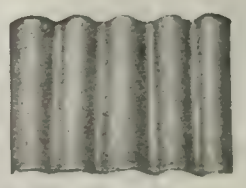
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## 4559—Fasteners (Guard Rail)

**American Guard Rail Fastener Co. (Tie Plate), Real Estate Trust bldg, Phila., Pa.**
Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
Cleveland Railway Supply Co., Swetland bldg, Cleveland, O.
**Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.**
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 4560—Fasteners (Hame & Collar)

**American Mfg. Co. ("Boss" Hame), Chattanooga, Tenn.**
**Berry Chas. E. ("Berry"), Somerville, Mass.**
**Covert Mfg. Co. ("Holdfast"), Troy, N. Y.**
**Covert Saddlery Works ("Dandy," "Fairy," "C. B. B.," "L. B. L." Hame), Interlaken, N. Y.**
**Flagg Stanley G. & Co. (Hame), Morris bldg, Phila., Pa.**
G. G. G. Metal Stamping Co. ("G. G. G." Hame), Warren, Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Imperial Bit & Snap Co., Racine, Wis.**
**National Safety Snap Co. ("Kling"), Wilmington, O.**
**North O. B. & Co. ("Success"), New Haven, Conn.**
**North & Judd Mfg. Co. (Improved "Success" Hame, "I X L" Collar), New Britain, Conn.**
**Weldless Chain Co. ("Perfect"), Bridgeport, Conn.**

## 4560a— Fasteners (Hatch)

**Mullholland Hatch Fastener Co. ("Mullholland," "Simplex," "Security"), Cleveland, O.**

## 4561— Fasteners (Hoop)

**AMERICAN STEEL & WIRE CO., Chicago, Ill.** ***See adv index at end of book***
**Atlas Tack Co., Fair Haven, Mass.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Reading Screw Co., Norristown, Pa.**
Reddich Mfg. Co. (& Rivets), 637 to 647 W Oak, Chicago, Ill.
**Stanley Geo. W. Co., Belleville, Ill.**
Tower Mfg. Co., Elm & Commerce, Cincinnati, O
Townsend Co., New Brighton, Pa.

## Fasteners (Horse Blanket)

See Holders, Blanket

## Fasteners (Horse Collar)

**See Fasteners, Hame & Collar**

## 4562— Fasteners (Ice Box)

**Reading Hardware Co., Reading, Pa.**
**Sargent & Co., New Haven, Conn.**

## 4563—Fasteners (Kiln Band & Plate)

Tecktonius E. C. Mfg. Co., Racine, Wis.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 4564—Fasteners (Metal Lath)

**ANKYRA MFG. CO.,** Wayne Junction, Phila., Pa.
***See adv index at end of book***

## Fasteners (Nut & Bolt)

**See Washers, Lock**

## 4565— Fasteners (Pail & Tub)

**STANLEY WORKS (Cement Coated), New** Britain, Conn.
***See adv index at end of book***

## 4566— Fasteners (Paper)

**American Clip Co., Beebe av, Long Island City, N. Y.**
Automatic Pencil Sharpener Co., 58 E Washington, Chicago, Ill.
**Buffalo Automatic Mfg. Co. ("Climax"),** 165 Pearl, Buffalo, N. Y.
**Bumps Paper Fastener Co., La Crosse, Wis.**
Clark H. F., Jr. (Flat File), 900 F, N W, Washington, D. C.
**Clipless Paper Fastener Co. ("Clipless"),** Newton, Ia.
**De Long Hook & Eye Co. ("Twin Grip"),** 21st & Clearfield, Phila., Pa.
**Dennison Mfg. Co. ("Magill Patn"), 26** Franklin, Boston, Mass.
**Easy Fastener Co., Atlanta, Ga.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Hotchkiss E. H. Co. (Fasteners & Tacker),** Norwalk, Conn.
**Ideal Specialties Mfg. Corp. ("Superior"),** 552 Pearl, New York
**Kelly F. Co., Derby, Conn.**
**Machine Appliance Corp'n (Automatic),** 351 Jay, B'klyn, N. Y.
**O. K. Mfg. Co. ("Washburne's O. K." Adjustable), Syracuse, N. Y.**
**Phila. Novelty Mfg. Co. ("Novelty"), 13th** & Noble, Phila., Pa.
**Rockwell-Barnes Co. ("Rockbarnes"), 823** S Wabash av, Chicago, Ill.
**Salisbury Mfg. Co. ("Salisbury"), 14** Leather av, Providence, R. I.
**Stimpson Edw. B. Co. ("Dale"), 68 Franklin av, Brooklyn, N. Y.**
Waterbury Brass Goods Corp. ("McGill" Star Brass), Waterbury, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
**West Mfg. Co ("Only"), 58 N 2d, Phila., Pa**

## 4567—Fasteners (Rug & Carpet)

**Donchian Saml. Rug Co. ("Sultan"), Hartford, Conn,**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Hampden Mfg. Co ("Hampden" Fastener & Stretcher), 108 Fulton, New York**
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
***See adv index at end of book***
**WHITNEY H. W.,** 305 S La Salle, Chicago, Ill.

## Fasteners (Sash)

See Locks, Sash

## Fasteners (Sash Cord)

See Irons, Sash Cord

## 4568—Fasteners (Screen Plate)

Hardy Wm. A. & Sons Co. ("Spring-Lock-wood"), Fitchburg, Mass.
Union Screen Plate Co. ("Witham"), Fitchburg, Mass.

## 4569— Fasteners (Scuttle)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

## 4570—Fasteners (Sheet Roofing)

**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
***See adv index at end of book***
**Usona Mfg. Co. ("Howard's"), Aurora, Ill.**

## Fasteners (Shutter)

**See Fasteners, Blind**

## 4571— Fasteners (Slate)

**Hamblin & Russell Mfg. Co., Worcester, Mass.**

## 4572— Fasteners (Snap)

**See also Fasteners, Clothing, Glove, etc.**
**Alma Mfg. Co. (Clothing, Gloves, etc), 611** S Monroe, Baltimore, Md.
American Fastener Co. ("Tenco" for Garments), Waterbury, Conn.
**Bethlehem Snap Fastener Co., 1013 Myrtle av, B'klyn, N. Y.**
**Bird Fastener Co., 225 5th av, New York**
**Carr Fastener Co. (Carriage, Auto Top, etc), Ames, Cambridge, Mass.**
**Columbia Fastener Co. (Clothing), 3229 S** Ashland av, Chicago, Ill.
Crandal, Stone Division The Brewer-Titchener Corp. (Automobile, Glove, etc), Binghamton, N. Y.
**Defiance Button Machine Co., 43 W 24th,** New York
Federal Snap Fastener Corp. ("Harmony," "Finery," "Twinity" for garments), 27 W 31st, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Hero Snap Fastener Co., 100 5th av, New** York
Kelly F. Co., Derby, Conn.
**Lane Mfg. Co. (All Kinds), Waterbury,** Conn.
National Snap Fastener Co., 4077 Park av, New York
**Nelson Tool Co., Inc. (For Ladies' Clothes),** 782 E 142nd, New York
**Premier Snap Fastener Co., 440 B'way,** New York
**Rau Fastener Co. (Gloves, etc), 102 West**field, Providence, R. I.
Scovill Mfg. Co., Waterbury, Conn.
***See adv index at end of book***
**Specialty Products Co., 494 Mulberry,** Newark, N. J.
**Spring Snap Fastener Co., 16 W 39th,** New York
**Stimpson Edwin B. Co., 68 Franklin av,** B'klyn, N. Y.
**U. S. Fastener Co. (Gloves, Purses, etc),** 95 Milk, Boston, Mass.
**Waldes & Co., Inc. ("Koh-I-Nor" Cloth**ing, etc.), 315 5th av, New York
**Waterbury Button Corporation, 831 S** Main, Waterbury, Conn.
***See adv index at end of book***
**WATERBURY STEEL BALL CO.** (Gloves, Boxes, Leather Goods, Purses, etc), 300 Aurora, Waterbury, Conn.
***See adv index at end of book***

## 4573—Fasteners (Stair Carpet)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Pressed Steel Mfg. Co. ("Gem"), Land Title bldg, Phila., Pa.**

## Fasteners (Storm Window)

**See Hangers, Storm Sash & Screen**

## 4573a—Fasteners (Table Top)

**Stanley Works, New Britain, Conn.**
***See adv index at end of book***

## 4574— Fasteners (Tub)

**Bliss Bros. 170 Commercial, Boston, Mass.**

## 4575—Fasteners (Whip Socket)

**Searls Mfg. Co. ("Caffrey," "Chamberlin," "Essex," "Security," "Leader," etc), 29 Mulberry, Newark, N. J.**

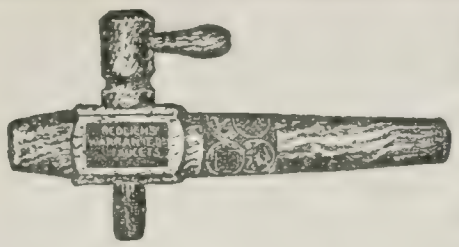
## 4576—Fasteners (Window Casement)

**Corbin Cabinet Lock Co. ("Empire" Safe**ty), New Britain, Conn.
**Diehl Novelty Co. ("Diehl"), Glenbeulah,** Wis.
Edwards O. M. Co., Syracuse, N. Y.
Griffin Mfg. Co., Erie, Pa.
**Payson Mfg. Co., 2918 W Jackson blvd,** Chicago, Ill.
**Russell & Erwin Mfg. Co., New Britain** Conn.
**Sargent & Co., New Haven, Conn.**
Shelby Spring Hinge Co., Shelby, O.
**STANLEY WORKS** (Window & Screen, "Moore's" Window), New Britain, Conn.
***See adv index at end of book***
**Woodruff Walter W. & Sons Co. ("Dolbers," Window & Shutter), Mount Carmel, Conn.**

## 4577— Faucets

**See also Cocks; also Cocks & Bibbs of Various Kinds**

**Allen Chas. I. ("Eclipse," "Eagle" & "Butternut" Key), Pequabuck, Conn.**
**Asbell S. J. Co. (Brass), Paterson, N. J.**
**Bashlin Co. (Compression & Self-Closing),** Warren, Pa.
Bay State Brass Co., Haydenville, Mass.
Bishop & Babcock Co. (Bar & Soda), 1204 E 55th, Cleveland, O.
Brown Joseph (White Metal), New Orleans, La.
Chambers, Bering, Quinlan Co., Decatur, Ill.
Chicago Faucet Co. (Brass "Chi-Fau-Co"), 2713 N Crawford av, Chicago, Ill.
Clark Cadle Harmon Corp. (Brass), Rochester, N. Y.



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637 to 647 W. Oak Street, Chicago, Ill.


FAUCETS—continued

Craig David ("Craig" Automatic Swing Basin), 70 Broad, Boston, Mass.
Edwardsville Brass Co. (Brass), Edwardsville, Ill.
Fountain Faucet Co., 21-23 S 61st av, W Duluth, Minn.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co. (Compression, Fuller Pattern, Lever Handle & Self-Closing, "Quick-Ope"), Haydenville, Mass.
Knight Maurice A. (Acid Proof Stoneware), Akron, Ohio
Kraft A. C. (Oil, Gasoline, Molasses & Tank), 323 W Lake, Chicago, Ill.
Landers, Frary & Clark (Milk Can, Cream Separator, Petroleum Oil, etc), New Britain, Conn.
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McKenna Brass & Mfg. Co., Inc. (Brass, Liquor, etc), 1st av & Ross, Pittsburgh, Pa.
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO** (Water Cooler, Oil Can, Milk Can & Coffee Urn), 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Messmer Fred Mfg. Co., 2700 S 7th, St. Louis, Mo.
Meyer-Sniffen Co., 11 W 36th, New York
Mott J. L. Iron Works, Trenton, N. J.
National Brass Mfg. Co. (Oil & Gasoline Can, Cream Can Separator, Water Cooler, etc), Rochester, N. Y.
Peck Bros. & Co., New Haven, Conn.
Puro Sanitary Drinking Fountain Co. ("Puro," Combination Faucet & Drinking Fountains), Haydenville, Mass.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill. *See adv index at end of book*
Robinson Plumbing Supply Co. (Jobbers), St. Paul, Minn.
Rundle Mfg. Co. (Fuller & Compression), 27th & Wahl, Milwaukee, Wis.
Sommer John Faucet Co. (Metal, "Peerless" Tin Key, "I. X. L." Cork Lined, "Chicago" Cork Lined, "Boss" Metal Key, "Victor" Metal Key & "Duplex" Metal Key), 355 Central av, Newark, N. J.
Standard Brass & Iron Works ("Standard," Bar Drop Handle, etc), 1820 St. Paul av, Milwaukee, Wis.

## 4578-9—Faucets (Beer & Liquor)

Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Deckebach F. C. Sons Co., 123 W Court, Cincinnati, O.
George Bros. & Co., Winchester, Ky.
Golden Gate Mfg. Co., 9 Desbrosses, New York
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Russ Co., 5700 Walworth av, Cleveland, O.
Sommer John Faucet Co. ("Washington" Cider), 355 Central av, Newark, N. Y.
U. S. Faucet Co., 1155 Mission, San Francisco, Cal.

## Faucets (Bubbling)

See Fountains, Drinking, Sanitary

## 4580—Faucets (Catsup Bottling, Etc.)

Haydenville Co., Haydenville, Mass.
Langsenkamp F. H., Indianapolis, Ind.

## Faucets (Cream Separator)

See Cocks, Cream Separator

## 4581— Faucets (Lock Lever)

McDonald A. Y. Mfg. Co., Dubuque, Ia.
National Brass Mfg. Co. ("National"), Rochester, N. Y.
Sommer John Faucet Co. ("Diamond"), 355 Central av, Newark, N. J.
matic), Forest Hills, Boston 30, Mass.

## Faucets (Milk Can)

See Cocks, Milk Can

## Faucets (Molasses)

See Gates, Molasses

## 4582— Faucets (Oil Can)

Batavia Brass & Iron Novelty Works, Batavia, N. Y.
Haydenville Co., Haydenville, Mass.
Homer Brass Works, 231 Race, Phila., Pa.
Kraft A. C., 323 W Lake, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
**McRAE & ROBERTS CO.**, 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Marsh Mfg. Co., 56 Pine, New York
National Brass Mfg. Co., Rochester, N. Y.
Taylor & Boggis Foundry Co., Cleveland, Ohio

## 4583— Faucets (Self-Closing)

Barnstead Still & Sterilizer Co. (Automatic), Forest Hills, Boston, 30, Mass.
*See adv index at end of book*
Bashlin Co., Warren, Pa.
Chicago Faucet Co. ("Chi-Fau-Co"), 2712 N Crawford av, Chicago, Ill.
Lyon John W., 46 Clifford, Providence, R. I.
Puro Sanitary Drinking Fountain Co. ("Puro"), Haydenville, Mass.
Vulcan Brass Mfg. Co. ("Paragon"), 24 Noble Court, Cleveland, O.
Watrous Co. ("Watrous"), 524 S Racine, Chicago, Ill.

## 4584—Faucets (Self-Measuring)

Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Lane Bros. Co., Poughkeepsie, N. Y.

## Faucets (Stoneware)

See Stoneware, Chemical

## 4585—Faucets (Tank Wagon)

Kraft A. C., 323 W Lake, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
National Brass Mfg. Co., Rochester, N. Y.
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, O.

## 4586—Faucets (Tea & Coffee Urn)

Haydenville Co., Haydenville, Mass.
Landers, Frary & Clark, New Britain, Conn.
Messmer Fred Mfg. Co., 2700 S 7th, St. Louis, Mo.
National Brass Mfg. Co., Rochester, N. Y.
Peck Bros. & Co., New Haven, Conn.

## 4587— Faucets (Wood)

Allen Chas. I., Terryville, Conn.
Automatic Faucet & Spigot Co. ("Automatic" & "Saginaw," Cork Lined), Saginaw, Mich.
Chapman-Sargent Co. (Cork Lined), Piqua, O.
Crandall Bros. ("Palmer's" Leather Lined Tin Key, Also Plain Wooden Key), N. Kingsville, O.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Cork-Lined), Mt. Gilead, O.
*See adv index at end of book*
Redlich Mfg. Co. (Wood, Cork Lined, Cedar, Lock-Key, Metal Plug, etc), 637 to 647 W Oak, Chicago, Ill.
*See adv index at end of book*
Richardi & Bechtold (Cork Lined), Belaire, Mich.
Rochester Laboratory Supply Co. (Laboratory Apparatus & Chemicals), Rochester, N. Y.
Sommer John Faucet Co. ("Star," Over 100 Different Kinds, Plain, Corked & Leather Lined, etc.), 30 Morris, Newark, N. J.
**STILES H. A. & CO.**, 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Windham Handle Co., South Windham, Conn

## 4588—Faucets & Bungs (For Steel Barrels, Etc.)

Chambers, Bering & Quinlan, Decatur, Ill.

## 4589—Fault Finders (Electric)

**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O.
*See adv index at end of book*
Lundin Electric & Machine Co. ("Lun-
Roller-Smith Co. ("Roller-Smith"), 233 B'way, New York

## 4590— Feed (Corn)

Acme Milling Co., Corry, Pa.
Baringer M. F., Bourse, Phila., Pa.
Bay State Milling Co., Winona, Minn.
Boutwell Milling & Grain Co., Troy, N. Y.
Coombs Wm. A. Milling Co., Coldwater, Mich.
Eagle Roller Mill Co., New Ulm, Minn.
King Milling Co., Lowell Mich.
Krause C. A. Milling Co., 37th & Burnham, Milwaukee, Wis.
Lea Milling Co., Wilmington, Del.
Messenger H. B., Federalsburg, Md.
Middletown Milling Co., Middletown, Va.
Staley A. E. Mfg. Co. (Gluben gluten), Decatur, Ill.
Tioga Mill & Elevator Co., Waverly, N. Y.

## 4591-2— Feed (Dairy)

Baringer M. F., Bourse, Phila., Pa.
Chapin Co., Hammond, Ind.
**Chicago Heights Oil Mfg. Co., Chicago Heights, Ill.**
Corno Mills Co., International Life bldg, St. Louis, Mo.
**Gould Grain Co., 600 Flour Exch., Minneapolis, Minn.**
**International Sugar Feed Co., 15th av, S E. and Rollins Minneapolis, Minn.**
**Krause C. A. Milling Co., 37th & Burnham, Milwaukee, Wis.**
**Larrowe Milling Co., Cohocton, N. Y.**
**Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.**
**Tioga Mill & Elevator Co., Waverly, N.Y.**

## 4593— Feed (Horse & Mule)

**Chicago Heights Oil Mfg. Co., Chicago Heights, Ill.**
Corno Mills Co., International Life bldg, St. Louis, Mo.
**Eureka Mills Co., 711 S Theresa av, St. Louis, Mo.**
Gould Grain Co., 600 Flour Exch., Minneapolis, Minn.
International Sugar Feed Co., 15th av, S E, & Rollins, Minneapolis, Minn.
Krause Chas. A. Milling Co., 37th & Burnham, Milwaukee, Wis.
Ottaway Alfalfa Milling Co., Wichita, Kan.
Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.
Tioga Mill & Elevator Co., Waverly, N. Y.

## 4594— Feed (Mill)

See also Flour Mills; also Meal

Ansted & Burk Co., Springfield, O.
Arapahoe Flour Mills, Arapahoe, Neb.
Baldwin Dwight M., Jr., 2219 Phillisburg av, Minneapolis, Minn.
Baringer M. F., Bourse, Phila., Pa.
Bay State Milling Co., Winona, Minn.
Big Diamond Mills Co., 922 Flour Exch., Minneapolis, Minn.
Blaisdell Milling Co., 204 Met. Nat'l Bank bldg., Minneapolis, Minn.
Campbell L. G. Milling Co., Northfield, Minn.
Canton Feed & Milling Co., Canton, O.
Cataract City Milling Co., Niagara Falls, N. Y.
Cayuga Milling Co., Cayuga, Ind.
Centennial Mill Co., Avoca, Iowa
Champion Feed Milling Co., Clinton, Ia.
Coombs Wm. A. Milling Co., Coldwater, Mich.
Eagle Mills, Pocomoke City, Md.
Eagle Roller Mill Co., New Ulm, Minn.
Evrbest Milling Corp., Corry, Pa.
Fergus Flour Mills Co., Fergus Falls, Minn.
Fuhrer-Ford Milling Co., Mount Vernon, Ind.
Goldendale Milling Co., Goldendale, Wash.
Grimes Bros., Lexington, N. C.
**Harvey Milling Co., Harvey, N. D.**
**Heath F. L., Corry, Pa.**
**Heisel C. (Est. of), Plattsmouth, Neb.**
**Henderson Roller Mills Co., Monroe, N. C.**
**Kelley Mill Co., Kansas City, Mo.**
**La Grange Mills, Red Wing, Minn.**
**Lawrenceburg Roller Mills Co., Lawrenceburg, Ind.**
**Lexington Mill & Elevator Co., Lexington, Neb.**
**Lexington Roller Mills Co., Lexington, Ky.**
**Liken John C. & Co., Sebewaing, Mich.**
Madison Mill & Grain Co., Madison, Wis.
Mennel Milling Co., Toledo, O.
Middletown Milling Co., Middletown, Va.
Miller & Parsons, Corry, Pa.
Morris City Mills, Morris, Minn.
**National Milling Co., Toledo, Ohio**
**New Prague Flouring Mill Co., New Prague, Minn.**
**Okeene Milling Co., Okeene, Okla.**
**Pillsbury Flour Mills Co., 3d fl, Met. Life bldg, Minneapolis, Minn.**
**Rea & Read Mill & Elevator Co., Tulsa, Okla.**
**Red Wing Milling Co., Red Wing, Minn.**
**Rhinehart Grain Co., Uniopolis, O.**
**Scott County Milling Co., Sikeston, Mo.**
**Sheffield-King Milling Co., 3d floor Chamber Commerce, Minneapolis, Minn.**
**Sparks Milling Co., Alton, Ill.**
Spelts A., Loup City, Neb.
**Star Milling Co., Aurora, Ind.**
**Star & Crescent Milling Co., 160 W Jackson blvd, Chicago, Ill.**
**Tennant & Hoyt Co., Lake City, Minn.**
**Tioga Mill & Elevator Co., Waverly, N. Y.**
**Tomkinson, Kenyon & Tomkinson Co., Honeoye Falls, N. Y.**
Tri State Milling Co., Belle Fourche, S. D.
Vantassel R. H., Corry, Pa.
**Voigt Milling Co., Grand Rapids, Mich.**
Walnut Milling Co., Walnut, Iowa
Washburn-Crosby Co., Chamber Commerce, Minneapolis, Minn.
**Wellington Milling Co., Anderson, Ind.**
**Wheatland Roller Mills Co., Wheatland, Wyo.**
**Willmar Milling Co., Willmar, Minn.**

## 4595— Feed (Mixed)

**Akin-Erskine Milling Co., Evansville, Ind.**
**Marco Mills (Mixed Cereals), Pine Bluff, Ark.**
**Oswego Milling Co., Oswego, Kansas**
**Peters & Bradley Mill Co., Knoxville, Tenn.**
South Georgia Milling Co. (Velvet Bean), Valdosta, Ga.
**Waggoner-Gates Milling Co., Independence, Mo.**

## 4596— Feed (Poultry)

Corno Mills Co., International Life bldg, St. Louis, Mo.
H-O Co., Buffalo, N. Y.
Howard C. T., Mulino, Oregon
O'Bannon Co. (Wholesale), Wagoner, Okla.
Ottaway Alfalfa Milling Co., Wichita, Kan.
Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.
Tioga Mill & Elevator Co., Waverly, N. Y.

## 4597—Feeders (Aluminum Railway)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
Seligman Arthur (Imp.), 165 Broadway, New York

## 4598— *Feeders (Bagasse)

**Jeffrey Mfg. Co., 961 N 4th, Columbus, O.**
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*

## 4599— Feeders (Boiler)

**American Injector Co. ("U. S." Automatic Injector), Detroit, Mich.**
**Bryant Heater & Mfg. Co. (Automatic for Low Pressure Heating Boilers), 952 E 72nd, Cleveland, O.**
**Catchpole Boiler, Foundry & Machine Co., Geneva, N. Y.**
**Chaplin-Fulton Mfg. Co., 34 Penn av, Pittsburgh, Pa.**
**Ferrochem. Co., Ltd., Non-Chemical water treatment), 30 Church, New York**
Foskett & Bishop Co., New Haven, Conn.
Gillis & Geoghegan, 537 W Broadway, New York
Hills McCanna Co., 2025 Eston av, Chicago, Ill.
Hull Mfg. Co. (Water), 208 Dime Bank bldg, Scranton, Pa.
**Kelley & Jones Co., 135 Water, Pittsburgh, Pa.**
**Kieley & Mueller ("Duplex"), 34 W 13th, New York**
**Kitts Mfg. Co., Oswego, N. Y.**
**Lawlor Regulator Co. ("Lawler's" Automatic for Low Pressure), 55 W Houston, New York**
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverley, Cincinnati, O.
*See adv index at end of book*
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Nason Mfg. Co. (Immersed Valve), 71 Fulton, New York
**Randle Machinery Co. ("Leader"), C. H. & D. Ry & Powers Cum'ville, Cincinnati, Ohio**
Rutzler Enoch Co. (Low Pressure, Automatic), 404 E 49th, New York
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Warren Steam Pump Co., Warren, Mass.
Watson N. A. ("Excelsior"), Erie, Pa.
Wright Geo. W., Lapel, Ind.

## 4600— Feeders (Boiler Oil)

Braun Corp. ("K. K." for Flotation Machy.), 363 New High, Los Angeles, Cal.
**Lake Erie Mfg. Co. ("Perfection" Boiler Compound), Buffalo, N. Y.**
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**Taber Pump Co. (Automatic Boiler Compound). Buffalo. N. Y.**
Talmage Mfg. Co., 1279 W 3rd, Cleveland, Ohio
Watt's John M. Sons ("Wickersham American"), 54 N 2d, Phila., Pa.

## 4601— Feeders (Bottle)

Bishop & Babcock Co. ("Eureka" Automatic), 1204 E 55th, Cleveland, O.

## 4602— Feeders (Clay)

American Clay Machinery Co. (Agitating), S Walnut, Bucyrus, O.
*See adv index at end of book*
Anderson Foundry & Machine Works, Anderson, Ind.
Marion Machine, Foundry & Supply Co. (Rust), Marion, Ind.

## Feeders (Coal Dust)

See Burners, Coal Dust

## 4603-4—Feeders (Cotton Gin)

Brown Cotton Gin Co., New London, Conn.
Carver Cotton Gin Co., E. Bridgewater, Mass.
Continental Gin Co., Birmingham, Ala.
Murray Co., Dallas, Texas

## Feeders (Fuel)

See Feeders, Furnace

## 4605— Feeders (Furnace)

Allington & Curtis Mfg. Co., Saginaw, Mich.
Banister A. W. Co. (Automatic), 421 Dorchester av, S. Boston, Mass.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Carlisle & Gale Co., 5 North, Boston, Mass.
Cyclone Blow Pipe Co. (Automatic), 2552 W 21st, Chicago, Ill.
*See adv index at end of book*
Day Co., 1004 Lyndale, Minneapolis, Minn.
Dixie Mfg. Co. (Automatic), Russell & B. & O. R. R., Baltimore, Md.
**Empire Blower & Pipe Co. (Automatic), Rochester, N. Y.**
Garland M. Co., Bay City, Mich.
Ohio Body & Blower Co., 9300 Detroit av, Cleveland, O.
**Phoenix Mfg. Co. (Automatic, Sawdust), Eau Claire, Wis.**
**Porbeck Dust Arrester & Blow Pipe Co., 2017 N Broadway, St. Louis, Mo.**
Sterling Blower Co. ("Sterling" Automatic), Hartford, Conn.
Venderbush Co. (Automatic), Detroit, Mich.
Western Blow Pipe & Sheet Metal Co. (Automatic), St. Louis, Mo.

## 4606— Feeders (Hog)

Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Franklin Galvanized Ware Mfg. Co. ("Thornburgs" Sanitary), Franklin, Ind.
Kretchmer Mfg. Co. (Galvanized), Council Bluffs, Ia.
Martin Steel Products Co., Mansfield, Ohio
Perfection Metal Products Co., Topeka, Kan.
Shaw, Welsh & Co., Galesburg, Ill.

## 4607— Feeders (Ore)

Abbe Engineering Co. 216-224 B'way, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis
Denver Engineering Works Co., Denver, Colo.
Denver Quartz Mill & Crusher Co., Denver, Colo.
Frenier & Son, Rutland, Vt.
Hammond Mfg. Co., Kamm bldg, Portland, Oregon

FEEDERS (ORE)—continued

**Hendy Joshua Iron Works**, 75 **Fremont**, San Francisco, Cal.
James Ore Concentrator Co. (Automatic), 35 Runyon, Newark, N. J.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**KENNEDY-VAN SAUN MFG. & ENG. CORP.** ("Improved," "Challenge," Roll Shaking & Disc), 120 Broadway, New York. *See adv index at end of book*
McFarlane Mfg. Co., Denver, Colo.
Mecklenburg Iron Works, Charlotte, N. C.
Worthington Pump & Machy. Corp. 115 B'way, New York
*See adv index at end of book*

## 4608—Feeders (Sugar Cane Carrier)

**BOLAND MACHINE & MFG. CO.** ("Boland"), 1006 Tchoupitoulas, New Orleans, La.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
**Nadler Henry ("Walsh")**, Plaquemine, La.

## 4609-10—*Feeders (Tube Mill)

**ABBE ENGINEERING CO.** ("Ideal" Spiral Feeder), 216-224 B'way, New York *See adv index at end of book*

## 4611— Feeds (Roll & Dial)

**B. J. STAMPING CO., THE**, 1435-1437 Dorr, Toledo, Ohio
*See adv index at end of book*
**Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.**
Littell F. J. Machine Co. (For Punch Presses), 4127 Ravenswood av, Chicago, Ill.

## 4612—Feeds (Steam Car Saw Mill)

Allis-Chalmers Mfg. Co. (Direct Acting & Twin Engine), Milwaukee, Wis.

## 4613— Feldspar

Binswanger H. P., 7 W 16th, New York
Carolina Mineral Co., Penland, N. C.
Crystal Chas. B. (Jobbers), 13 Cliff, New York. *See adv index at end of book*
Clinchfield Products Corporation, 120 B'way, New York
**Eureka Flint & Spar Co., Trenton, N. J.**
Golding Sons Company, Trenton, N. J.
Guilford & Waltersville Granite Co. (Rough & Ground), Law bldg, Baltimore, Md.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
**Howe Louis W., S. Glastonbury, Conn.**
**Kinkel's P. H. Sons, Bedford, N. Y.**
National Sales Co., 31 E 13th, Cincinnati, O.
New England Quartz Co. of N. Y., 150 Nassau, New York
**Penna. Feldspar Co., Harrison bldg, Phila., Pa.**
Product Sales Co., 32 S Calvert, Claremont, Baltimore, Md.
Robbins A. A. Co. (Miners), 99 John, New York
**THROPPS JNO. E. SONS Co., ft of Lewis**, Trenton, N. J.
*See adv index at end of book*
Trenton Flint & Spar Co. (Miners), Trenton, N. J.
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## Felloes (Carriage & Wagon)

See Rims & Felloes, Carriage & Wagon

## 4613a—Felt Goods (Mechanical)

**BRAWLEY T. R.** (Of Every Description), 275 20th, Brooklyn, N. Y.
*See adv index at end of book*

## 4614— Felt Mills

See also Felts, Hair

**Albany Felt Co., Albany, N. Y.**
American Felt Co., 100 Summer, Boston, Mass.
Bacon Felt Co. (Wool), Winchester, Mass.
Carey Philip Mfg. Co. (Asbestos & Wool Felts), 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Eastern Felt Co. (Sheets, Wheels, etc), Canal, Winchester, Mass.
Eliot Mills, Inc., 184 Summer, Boston, Mass.
Felters Co., 103 Bedford, Boston, Mass.
Field & White Co. (Paper), 116 Nassau, New York
Foot Mfg. Co., 36 Germania av, Jersey City, N. J.
**Ford Mfg. Co., 2339 La Salle, Chicago, Ill.**
Garrett C. S. & Son Co., 22 S Marshall, Philadelphia, Pa.
House Chas. W. & Sons, Unionville, Conn.
National Felt Co., Easthampton, Mass.
Paige Frank E. & Co., 68 Essex, Boston, Mass.
**Philadelphia Felt Co., La & Frankford cr, Phila., Pa.**
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
Seabright Woven Felt Co. (Woven & Mechanical), Camden, Me.
Slater Robert, Pompton Lakes, N. J.
Standard Felt Co., Alhambra, Cal.
Stroock Felt Mills (Padding), Newburgh, N. Y.
Tingue, Brown & Co., 118 E 25th, New York
**Waterbury Felt Co., Skaneateles Falls, N. Y.**
**Waupaca Felting Mill, Waupaca, Wis.**

## 4615— Felting (Shipbuilders)

Balfour, Guthrie & Co., 350 California, San Francisco, Cal.
Charleston Dry Dock & Machine Co., Charleston, S. C.

## 4616— Felts (Asphalt)

Asphalt Roof Coating Co., Ltd. ("Hudson" Brand), 10 E 43rd, New York
Certain-teed Products Corp., St. Louis, Mo.
Oertel Roofing Mfg. Co. (Saturated), E. St. Louis, Mo.
Standard Paint Co. ("Ru-ber-oid Saturated," "Ru-ber-oid Waterproofing"), 23? B'way, New York
**TEXAS COMPANY**, 17 Battery pl, New York *See adv index at end of book*
Watson H. F. Co. (30, 40 & 50 lbs), Erie, Pa.

## 4616a— *Felts (Automobile)

**BRAWLEY, T. R.**, 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4617— Felts (Cotton)

**Acme Woolen Mill Co., 1294 W 70th, Cleveland, O.**
**BRAWLEY, T. R.**, 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Burton-Dixie Corp., 2024 S Racine av, Chicago, Ill.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Eliot Mills, Inc., 184 Summer, Boston, Mass.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
**Hudson Fibre Co. (For Mattresses, etc), Hudson, N. Y.**
**Lee W. M., Athol, Mass.**
National Fibre Products Co., 321 S Jefferson, Chicago, Ill.
**Royall & Borden, Goldsboro, N. C.**
Schwing R. I. Co., Inc., Plaquemine, La.
**Smith O. & Sons Co., 310 Spruce, Phila., Pa.**
Snell Chas. W. Co., 321 S Jefferson, Chicago, Ill.
**Stearns & Foster Co., Lockland, O.**
**Stroock Felt Mills, Newburgh, N. Y.**
**Vincent F. J., Little Falls, N. Y.**

## 4618— Felts (Deadening)

Am. Tar Products Co., 208 S. La Salle, Chicago, Ill.
**Barrett Co., 17 Battery pl, New York**
**Bird & Son ("Neponset," "Florian"), East Walpole, Mass.**
**BRAWLEY, T. R.**, 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp., Boatman's Bank bldg., St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
**Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa.**
Ford Roofing Products Co., 1134 W. 3rd, St. Louis, Mo.
**Garrett C. S. & Son Co. ("C. S. G."), 20 S Marshall, Phila., Pa.**
**Hydrex Felt & Engineering Co. ("Hydrex-Saniflor"), 120 Liberty, New York**
Johns-Manville H. W. Co. (Also Laundry), Madison av & 41st, New York


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Kingston Paper Co., Inc., Little Falls, N. Y.
Los Angeles Paper Mfg. Co., Los Angeles, Cal.
Mac-Sim-Bar Paper Co. (Building), Otsego, Mich.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
Munroe Falls Paper Co., Massillon, O.
Newton Paper Co., Holyoke, Mass.
Northern Insulating Co. ("Flaxlinum" "Flaxlinum Keyboards." A fibre for buildings), St. Paul, Minn.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
Stroock Felt Mills, Newburgh, N. Y.
Union Fibre Co. Inc. ("Lith," "Linofelt" & Quilted Flax Fibre & Mineral Wool Sound Deadner), Winona, Minn.
United Roofing & Mfg. Co. ("Century"), Morris bldg, Phila., Pa.
Watson H. F. Co. ("Superior" & "Comfort" Brand of Wool), Erie, Pa.

## 4618a— *Felts (Elastic)

Brawley T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4618b— *Felts (Eraser)

Brawley T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4618c— *Felts (Filter)

Brawley T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4619—Felts For Electrical Purposes

**See also Felt Mills; also Felt, Hair**

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
American Felt Co., 100 Summer, Boston, Mass.
Bacon Felt Co. ("Bacon"), Winchester, Mass.
Booth Felt Co., Inc., 440 19th, Brooklyn, N. Y.
BRAWLEY, T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
COMMONWEALTH FELT CO. (Jobbers), 74-78 Summer, Boston, Mass. *See adv index at end of book*
Continental Felt Co., 64-66 E 11th, New York
Eastern Felt Co., Canal, Winchester, Mass.
Federal Felting Co., Westerly, R. I.
Felters Co., 103 Bedford, Boston, Mass.
Goepel C. F. & Co., 137 E 13th, New York
Johns-Manville H. W. Co., Madison av & 41st, New York
Kenworthy Bros., Stoughton, Mass.
Paige Frank E. & Co., 68 Essex, Boston, Mass.
Standard Felt Co., 404 S Wells, Chicago, Ill.
Star Felt Cutting Co., 260-69 B'klyn, N. Y.
Stroock Felt Mills, Newburgh, N. Y.
Watson H. F. Co., Erie, Pa.
Western Felt Works, 4115 Ogden av, Chicago, Ill.
Wild Jos. & Co., 366 5th av, New York

## 4619a—*Felts (Furniture)

BRAWLEY, T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4620— Felts (Hair)

American Hair Felt Co., 41st & Madison av, New York
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
COMMONWEALTH FELT CO. (Jobbers), 74-78 Summer, Boston, Mass. *See adv index at end of book*
Illinois Leather Co., 930 N Halsted, Chicago, Ill
Johns-Manville H. W. Co. (For Refrigeration Hot & Cold Water Pipes), Madison av & 41st, New York
Keystone Hair Insulator Co., 1243 Spring Garden, Pittsburgh, Pa.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
Newark Hair Felt Co., Lansdale, Pa.
Trainer C. W. Mfg. Co., 55 High, Boston, Mass.
Watson H. F. Co., Erie, Pa.

## 4621— Felts (Hat)

American Felt Co., 100 Summer, Boston, Mass.
Brawley T. R. (Felt Pads), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass. *See adv index at end of book*
Continental Felt Co., 64 E 11th, New York
Stroock Felt Mills, Newburgh, N. Y.

## Felts (Insulating)

**See Felts for Electrical Purposes**

## 4622— Felts (Journal Box)

Bacon Felt Co. ("Bacon"), Winchester, Mass.
Brawley T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Stroock Felt Mills, Newburgh, N. Y.

## 4623— Felts (Jute)

Eliot Mills, Inc., 184 Summer, Boston, Mass.
Vincent Frank J., Little Falls, N. Y.

## 4623a—Felts (Lamp Base)

BRAWLEY, T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4623b—Felts (Laundry)

BRAWLEY, T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4623c—Felts (Mat)

Brawley T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4624— Felts (Mechanical)

AMERICAN WASHER WORKS (Stripes), 178 Centre, New York *See adv index at end of book*
Bacon Felt Co. ("Bacon," Buffing, Packing, Filtering, etc.), Winchester, Mass.
Booth Felt Co., Inc., 440 19th, Brooklyn, N. Y.
Boston Felt Mfg. Co., 110 Beach, Boston, Mass.
BRAWLEY, T. R. (Of Every Description), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
COMMONWEALTH FELT CO. (Jobbers), 74-78 Summer, Boston, Mass. *See adv index at end of book*
Continental Felt Co., 64 & 66 E 11th, New York
Eastern Felt Co., Canal, Winchester, Mass.
Goepel C. F. & Co., 137 E 13th, New York
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
Paige Frank E. & Co., 68 Essex, Boston, Mass.

## Felts (Papermakers')

**See Felts & Jackets, Paper Makers'**

## 4625— Felts (Pennant)

American Felt Co., 100 Summer, Boston, Mass.
Stroock Felt Mills, Newburgh, N. Y.

## 4626— Felts (Piano & Organ)

Advance Felt & Cutting Co, 380 S Jefferson, Chicago, Ill.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass. *See adv index at end of book*
Crane Felt Mfg. Co., Belvidere, N. J.
Felters Co., 103 Bedford, Boston, Mass.
Paige Frank E. & Co., 68 Essex, Boston, Mass.
Standard Felt Co., Alhambra, Cal.
Stroock Felt Mills, Newburgh, N. Y.

## 4627— Felts (Polishing)

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
American Felt Co., 100 Summer, Boston, Mass.
Bacon Felt Co. ("Bacon"), Winchester, Mass
BRAWLEY T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*
COMMONWEALTH FELT CO. (Jobbers), 74-78 Summer, Boston, Mass. *See adv index at end of book*
Continental Felt Co., 64 E 11th, New York
Crane Felt Mfg. Co., Belvidere, N. J.
Eastern Felt Co. (Sheets), Canal, Winchester, Mass.
Goepel C. F. & Co., 137 E 13th, New York
House Chas. W. & Sons, Unionville, Conn.
Hubley Gordon A., 134 Exchange, Worcester, Mass. *See adv index at end of book*

**Gordon A. Hubley**
*Polishing Felts for Lens Manufacturers*
134 Exchange Street, Worcester, Mass.

Paige Frank E. & Co., 68 Essex, Boston, Mass.
Stroock Felt Mills, Newburgh, N. Y.
Tingue, Brown & Co., 118 E 25th, New York

## 4627a—Felts (Ring Dust)

BRAWLEY T. R., 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4628— Felts (Roofing)

**See also Papers, Roofing & Sheathing**

All Roofing Mfg. Co., East St. Louis, Ill.
American Tar Products Co., 208 S La Salle, Chicago, Ill.
Barber Asphalt Paving Co. ("Genasco" Asphalt Saturated), Land Title bldg, Phila., Pa.
Barrett Co. (Also Tarred & Saturated Wool, Felts, etc.), 17 Battery pl, New York
Burke Augustus Roofing Co., 2621 N Halsted, Chicago, Ill.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp., Boatman's Bk Bldg, St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa. Works: Valley Forge, Pa.
Field & White Co. (Paper), 116 Nassau, New York
Flintkote Co. ("Rex Flintkote," "Zarex," "Rex Red," "Paradux," "Mikado," "Rex Slate Surfaced," "Rex Strip," "Shingle," "Rex Wide Space" Shingle," "Rex Diamond Paint Strip," "Rex Reversible Paint," "Steadfast," "Guardian"), 88 Pearl, Boston, Mass.
Ford Roofing Products Co. ("Pyramid," Tarred), 2339 La Salle, Chicago, Ill.
Garrett C S. & Son Co., 22 S Marshall, Phila., Pa.
HEWITT C. B. & BROS., 20 Ferry, New York *See adv index at end of book*
Hydrex Felt & Engineering Co., 120 Liberty, New York
Johns-Manville H. W. Co., Madison av & 41st, New York
Kingston Paper Co., Inc. (Dry Felt), Little Falls, N. Y.
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
Munroe Falls Paper Co., Massillon, O.
National Roofing Co., Tonawanda, N. Y.
Nelson B. F. Mfg. Co., Minneapolis, Minn
New England Felt Roofing Works, 101 Milk, Boston, Mass.
North Chicago Roofing Co., 851 W North av, Chicago, Ill.
Patent Vulcanite Roofing Co., 2256 W 49th, Chicago, Ill.
Powell M. W. Co., 140 S Dearborn, Chicago, Ill.
Powell & Jones, 3544 Rhodes av, Chicago, Ill.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
Safepack Mills ("Safekote"), 727 Atlantic av, Boston, Mass.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
TEXAS COMPANY ("Texaco"), 17 Battery pl, New York *See adv index at end of book*

FELTS (ROOFING)—continued

**Trinidad Asphalt Mfg. Co., Title Guaranty** Trust bldg, St. Louis, Mo.
Waters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
**Watson H. F. Co., Erie, Pa.**

## 4628a—Felts (Rubbing)

Brawley T. R., 275 20th, Brooklyn, N. Y.
*See adv index at end of book*

## 4629— Felts (Saddlery)

**American Felt Co., 100 Summer, Boston** Mass.
Bacon Felt Co. ("Bacon"), Winchester Mass.
Brawley T. R. (Also Harness), 275 20th, Brooklyn *See adv index at end of book*
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Continental Felt Co., 64 E 11th, New York
Stroock Felt Mills, Newburgh, N. Y.

## 4629a— Felts (Shock Absorber)

**BRAWLEY T. R.,** 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 4630— Felts (Shoe)

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
American Felt Co., 100 Summer, Boston, Mass.
Bacon Felt Co. ("Bacon"), Winchester, Mass.
**COMMONWEALTH FELT CO.** (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Eastern Felt Co. (Non-Cake Pads, Heel Scouring, Wheel & Buffing Rolls), Canal, Winchester, Mass.
Standard Felt Co., Alhambra, Cal.
Stroock Felt Mills, Newburgh, N. Y.

## 4631—Felts (Tarred Saturated)

American Tar Products Co., 208 S La Salle, Chicago, Ill.
Barrett Co., 17 Battery pl, New York
Carey Philip Mfg. Co. ("Feltex" Asphalt, etc.), 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp., Boatman's Bk bldg, St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Ford Roofing Products Co. ("Pyramid" Brand & Asphalt), 2339 La Salle, Chicago, Ill.
General Roofing Mfg. Co., Boatman's Bank bldg, St. Louis, Mo.
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
Safepack Mills ("Safekote"), 727 Atlantic av, Boston, Mass.
Watson H. F. Co. (Roofing, Slating, etc), Erie, Pa.

## 4632— Felts (Upholstery)

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
American Felt Co., 100 Summer, Boston, Mass.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Continental Felt Co., 64 E 11th, New York
Eliot Mills Inc., 184 Summer, Boston, Mass.
Felters Co., 103 Bedford, Boston, Mass.
National Fibre Products Co., 321 S Jefferson, Chicago, Ill.
Schwing R. I. Co., Inc., Plaquemine, La.
Snell Chas. W Co., 321 S Jefferson, Chicago, Ill.
Stroock Felt Mills, Newburgh, N. Y.

## 4632a—Felts (Wall Paper, Printing)

Bacon Felt Co. ("Bacon"), Winchester, Mass.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Eastern Felt Co. (Block Cutters), Canal, Winchester, Mass.

## 4632b—Felts (Weatherstrip)

American Felt Co., 100 Summer, Boston, Mass.
Advance Felt Specialty & Cutting Co., 322 S Jefferson, Chicago, Ill.

Booth Felt Co., Inc., 440 19th, Brooklyn, N. Y.
Brawley T. R., 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
**COMMONWEALTH FELT CO.** (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Felters Co., 103 Bedford, Boston, Mass.

## 4633— Felts (Wool)

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
Albany Felt Co., Albany, N. Y.
American Felt Co., 100 Summer, Boston, Mass.
American Tar Products Co. (Pipe Covering), 208 S La Salle, Chicago, Ill.
Appleton Woolen Mills, Appleton, Wis.
Bacon Felt Co. ("Bacon"), Winchester, Mass.
**BRAWLEY T. R.** (Mechanical), 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
Byfield Woolen Co., Byfield, Mass.
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Crane Felt Mfg. Co., Belvidere, N. J.
Draper Bros. Co., Canton, Mass.
Eastern Felt Co., Winchester, Mass.
Federal Felting Co., Clark's Falls, Conn.
Felters Co., 103 Bedford, Boston, Mass.
Goepel C. F. & Co., 137 E 13th, New York
Heathcote S. E. & Co., Glen Rock, Pa.
Huyck F. C. & Sons, Albany, N. Y.
Johns Manville H. W. Co., Madison av & 41st, New York
Knox Woolen Co., Camden, Me.
Lawrence Felting Co., Millville, Mass.
Little Falls Fibre Co., Little Falls, N. Y.
Lounsbury & Bissell Co., Winnipauk, Conn.
Lowell Felt Co., Lowell, Mass.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
National Felt Co., Easthampton, Mass.
Noone's J. Sons Co., Peterboro, N. H.
Orr Felt & Blanket Co., Piqua, O.
Phila Felt Co, La & Frankford cr, Phila, Pa.
Seabright Woven Felt Co. (Woven), Camden, Me.
Sindle H. S., Little Falls, N. J.
Standard Felt Co., Alhambra, Cal.
Stroock Felt Mills, Newburgh N. Y.
Waterbury H. & Sons Co., Oriskany, N. Y.
Waupaca Felting Mill, Waupaca, Wis.
Western Felt Works, 4115 Ogden av, Chicago, Ill.
Wolstencroft Felt Mfg. Co., Mulberry & Bridge, Phila., Pa.

## 4634—Felts & Jackets (Papermakers')

Albany Felt Co., Albany, N. Y.
Appleton Woolen Mills, Appleton, Wis.
Bredt F. & Co. ("Jos. Porritt & Sons"), 340 Water, New York
*See adv index at end of book*
Bulkley, Dunton & Co. ("Excelsior"), 75 Duane, New York
Caldwell R. J. Co., 13 Park Row, New York
Commonwealth Felt Co. (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Draper Bros. Co. (Press & Pulp Felts), Canton, Mass.
Fitchburg Duck Mills (Paper Mill Dryer Felts), Fitchburg, Mass.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
Huyck F. C. & Sons ("Kenwood"), Albany, N. Y.
Knox Woolen Co., Camden, Me.
Lawrence Duck Co., Lawrence, Mass.
Mt. Vernon-Woodberry Mills Inc., Continental bldg, Baltimore, Md.
Orr Felt & Blanket Co., Piqua, O.
Phila. Felt Co., La & Frankford cr, Phila., Pa.
Shuler & Benninghofen, Hamilton, O.
Waterbury Felt Co., Skaneateles Falls, N. Y.
Waterbury H. & Sons Co., Oriskany, N. Y.

## 4634a—Fence (Wire Link)

Page Steel & Wire Co., Adrian, Mich.

## 4634b— Fences (Chain Link)

Anchor Post Iron Wks., 167 B'way, New York. *See adv index at end of book*

## 4635—Fences (Combination Wire & Picket)

Anchor Post Iron Wks, 167 B'way, New York *See adv index at end of book*
**Bushnell Tank Works, Bushnell, Ill.**
Cyclone Fence Co., Waukegon, Ill.
Fiske J. W. Iron Works, 111 Park pl, New York
Page Steel & Wire Co., Adrian, Mich.

## 4636— Fences (Farm)

See also Fences & Railroad Farm

Anchor Post Iron Works, 167 B'way, New York *See adv index at end of book*
Igoe Brothers (Farm & Ornamental), Canal & Lafayette, New York
*See adv index at end of book*
Page Steel & Wire Co., Adrian, Mich.

## 4636a—Fences (Hog & Cattle)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Cyclone Fence Co., Waukegan, Ill.
Fisher & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 4637—Fences (Iron & Steel Picket)

American Fence Constr. Co. (Steel), 96 Church, New York
**ANCHOR POST IRON WORKS,** 167 B'way, New York
*See adv index at end of book*
**Barnum E. T. Wire & Iron Works,** 864 Woodward, Detroit, Mich.
Bayer-Rothgeb Co. (Iron), Los Angeles, Cal.
Belmont Iron Works, 22d & Washington av, Phila., Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati, O.
Cyclone Fence Co., Waukegan, Ill.
Dayton Steel Construction Co., Howell & Wilbur, Dayton, O.
Davis & Siehl Co. (Steel), 4032 Hamilton av, Cincinnati, O.
Enterprise Iron Works, Indianapolis, Ind.
**FISKE J. W. IRON WORKS,** 111 Park pl, New York
Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
**MYERS FRED J. MFG. CO., Hamilton, O.**
*See adv index at end of book*
Page Steel & Wire Co., Adrian, Mich.
Perkins Mfg. Co. (Swinging), University & Fairview avs, St. Paul, Minn.
*See adv index at end of book*
**Pettler Wire Products Co., "(Hartman" Wrought Steel), Beaver Falls, Pa.**
Plocher Andrew Sons Co., Dayton, O.
Roanoke Iron & Bridge Wks, Inc, Roanoke, Va.
Sheer Bros. Fence & Iron Co., 715 E 103d, Cleveland, O.
**SMITH F. P. WIRE & IRON WORKS** ("Triangular"), 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith Fence & Iron Co. (Steel), Waynesboro, Pa.
Snow W. A. Iron Works, Inc., 32 Portland, Boston, Mass.
Stewart Iron Works Co., Covington, Ky.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Verdeckberg Iron & Wire Works Co., Denver, Col.
West Side Structural Co., Troy, N. Y.
Wisconsin Iron & Wire Wks. (Ornamental), Milwaukee, Wis.

## 4637a— *Fences (Lawn)

Am. Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Hartman-Sanders Co., 2155 Elston av, Chicago, Ill.

## Fences (Ornamental Iron)

See Gates, Ornamental Iron

# ANCHOR POST FENCES

Permanent alignment is secured by anchoring each post securely to the ground. Two anchor stakes driven diagonally through slots clamped to opposite sides of the posts hold them rigidly and immovably erect. Thus Anchor Post Fences have weathered the severest winters for more than twenty-five years, retaining their perfect alignment and rigidity throughout this time.

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Philadelphia, Pa., Real Estate Trust Building
Hartford, Conn., 902 Main Street
Boston, Mass., 79 Milk Street
Cleveland, Ohio, Guardian Bldg.
Mineola, L. I., N. Y., Stamford, Conn.

2285-G


### 4638—Fences (Railroad & Farm)

See also Fences, Woven Wire; also Wire Fences & Gates, with the word Ornamental following name

Adrian Wire Fence Co., Adrian, Mich.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Anchor Post Iron Works ("Anchor"), 167 B'way, New York
*See adv index at end of book*
Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
Chicago Steel Post Co., 209 N Michigan av, Chicago, Ill.
Cyclone Fence Co., Waukegan, Ill.
Fiske J. W. Iron Works, 111 Park pl, New York
Janesville Barb Wire Co., Janesville, Wis.
Keystone Steel & Wire Co. ("Square Deal"), Peoria, Ill.
Kitselman Bros. (Ornamental Lawn & Farm), Muncie, Ind.
Kokomo Steel & Wire Co., Kokomo, Ind.
Northwestern Barb Wire Co. ("Dillon"), Sterling, Ill.
Pittsburgh Steel Co., 5th av & Grant, Pittsburgh, Pa.
Smith F. P. Wire & Iron Works ("Supreme" Poultry & Rabbit, "Perfect" Garden, Lawn & Poultry), 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Up-to-Date Mfg. Co., Terre Haute, Ind.
Wickwire Spencer Steel Corp. ("Excelsior"), Worcester, Mass.
*See adv index at end of book*
Youngstown Sheet & Tube Co. ("Buckeye," "Youngstown"), Youngstown, O.

### 4639—Fences (Wood Picket, Wire Bound)

**IGOE BROTHERS,** Canal & Lafayette, New York *See adv index at end of book*
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

### 4640— Fences (Woven Wire)

See also Wire Fences & Gates; also Fences, Railroad & Farm

Adrian Wire Fence Co. ("Adrian"), Adrian, Mich.
**AMERICAN STEEL & WIRE CO.** ("American," "Anthony," "Ellwood" & "Royal," "National," "U. S." Fences), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
American Wire Fence Co. ("Model"), 10 S La Salle, Chicago, Ill.
**ANCHOR POST IRON WORKS,** 167 B'way, New York
*See adv index at end of book*
Arkansas Valley Fence Co., Wichita, Kans.
Atlantic Steel Co., Atlanta, Ga.
Brazil Machine & Foundry Co., Brazil, Ind.
Champion Iron & Wire Works, Omaha, Neb.
Church Bros. ("Church"), Adrian, Mich.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Cyclone Fence Co. ("Cyclone" Steel Spring), Waukegan, Ill.
Dayton Steel Construction Co., Howell & Wilbur, Dayton, O.
Dwiggins Wire Fence Co. ("Victor"), Anderson, Ind.
Elliott & Reid Co. ("Royal," "Richmond," "Ideal"), Richmond, Ind.
Enterprise Iron Works, Indianapolis, Ind.
Eureka Fence Mfg. Co. ("Eureka"), Richmond, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
Fiske J. W. Iron Works, 111 Park pl, New York
Frost Superior Fence Co. ("Superior in Quality"), E 131st, Cleveland, O.
Gulf States Steel Co., Birmingham, Ala.
Hohulin Bros. ("Diamond"), Goodfield, Ill.
Imbler Fence & Mfg. Co., Alexandria, Ind.
Indiana Steel & Wire Co., Muncie, Ind.
Interlocking Fence Co. ("Crown" Interlocking), Morton, Ill.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Jackson Fence Co. ("Jackson"), Jackson, Mich.
Janesville Barb Wire Co., Janesville, Wis.
Keystone Steel & Wire Co. ("Square Deal," "Blue Ribbon," "Monarch," "Economy"), Peoria, Ill.
Kokomo Steel & Wire Co. ("Indiana," "Kokomo"), Kokomo, Ind.
Mason Fence Co. ("Champion"), Leesburg, Ohio
New Jersey Wire Cloth Co., Trenton, N. J. *See adv index at end of book*
Northwestern Barb Wire Co., Sterling,. Ill.
Page Steel & Wire Co., Adrian, Mich.
Peerless Wire Fence Co. ("Peerless") Adrian, Mich.
Pennsylvania Woven Wire Co., Lockhaven, Pa.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Snow W. A. Iron Works (Inc.), 32 Portland, Boston, Mass
Spring Steel Fence & Wire Co. ("Shimer" "Perfect" Coil Spring), Anderson, Ind.
Tully C. H. Fence Co., Grand Island, Neb.
Tyler W. S. Co., Cleveland, O.
*See adv index at end of book*
Up-to-Date Mfg. Co., Terre Haute, Ind.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Youngstown Sheet & Tube Co., Youngstown, Ohio

### 4640a— Fences (Wrought Iron)

Anchor Post Iron Works, 167 B'way, New York *See adv index at end of book*
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Page Steel & Wire Co., Adrian, Mich.

### 4641— Fencing (Factory)

**ANCHOR POST IRON WORKS,** 167 B'way, New York
*See adv index at end of book*
Cyclone Fence Co., Waukegan, Ill.
Fiske J. W. Iron Works, 111 Park pl, New York
Snow W. A. Iron Works, Inc., 32 Portland, Boston, Mass.
Wickwire Spencer Steel Corp. ("Excelsior Chain Link," "Excelsior Rust Proof"), Worcester, Mass.
*See adv index at end of book*

### 4642— Fenders (Boat)

Armstrong Cork Co. (Yacht, etc.), 24th & A. V. R.R., Pittsburg, Pa.
Boston Corking Machine Co. (Cork), 18 Tremont, Boston, Mass.
Brauer Justus & Son (Cork), Jobbers, 129 Arch, Phila., Pa.
Kahnweiler's David Sons (Cork), 260 Front, New York
Pneumatic Mfg. Co. (Canvas, Cork Filled, Netted Rope, Leather, Bow, etc), 123 Pacific, Brooklyn, N. Y.
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.

### 4643—Fenders (Brass & Iron)

See also Andirons, Fenders & Grates
See also Fire Place Furnishings, Mfrs.

Colonial Fireplace Co., 4631 W 12th, Chicago, Ill.
**JACKSON EDWIN A. & BRO. (INC.),** 50 Beekman, New York
*See adv index at end of book*
Jackson Wm. H. Co., 2 W 47th, New York
**SMITH F. P. WIRE & IRON WORKS,** 2340 Clybourn av, Chicago, Ill.
*See adv index at end of book*

### 4644— Fenders (Plow)

Southern Plow Co. ("R. R. Jones"), Columbus, Ga.

### 4645—Fenders & Guards (Automobile)

Auto Fender & Radiator Wks., 1140 Geary, San Francisco, Cal.
Auto Lamp & Radiator Co., 1614 Prospect, Cleveland, O.
A-Z Co., 527 W 56th, New York
Cadillac Plumbing & Heating Co., Cadillac, Mich.
Chicago Mfg. Co. ("Chicago"), 1464 S Michigan av, Chicago, Ill.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Corcoran Mfg. Co., Norwood, Cincinnati, O.
Dann Bros. & Co., New Haven, Conn.
Hayes Mfg. Co., 480 Maybury, Detroit, Mich.
Kells W. J. Mfg. Co., 521 W 45th, New York
Louisiana Metal Cabinet Works, 1919 Bienville, New Orleans, La.
Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
Mott Wheel Works, Jackson, Mich.
Mullins Body Corp., 341 Franklin, Salem, Ohio
Parish Mfg. Co. (Truck), Reading, Pa.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, O.
*See adv index at end of book*
Quinby J. M. & Co., 27 Division, Newark, N. J.
Saginaw Sheet Metal Works, Saginaw, Mich.
Smith H. Lund, Paterson, N. J.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Western Radiator & Fender Mfg. Co., 1430 Bush, San Francisco, Cal.
York Corrugating Co., York, Pa.

### 4645a— *Ferries (Wire Rope)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

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### 4646— Ferro-Alloys

**AMALGAMATED METALS SELLING CO., LTD.**, 42 Broadway, New York
**American Alloys Co., American bldg, Baltimore, Md.**
Crocker Bros. (Imported English), 21 E 40th, New York
**DAFT A. C.** (Mfrs. Agent), Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
**DANA & CO., INC.**, 111 B'way, New York
Doggett Stanley (Imp), 11 Cliff, New York
**Electro-Metallurgical Co., 42d st bldg,** New York
Foundry Manganese Co., Harrison bldg, Phila., Pa.
Heyward Thos. R. Co., Farmers Bank bldg, Pittsburgh, Pa.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
**METAL & THERMIT CORP.**, 120 B'way, New York *See adv index at end of book*
**Midvale Mining & Mfg. Co. (Pulverized), Central Nat Bank bldg, St. Louis, Mo.**
**Noble Electric Steel Co., 995 Market, San Francisco, Cal.**
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, O.
**SAMUEL FRANK,** Harrison bldg, Phila, Pa. *See adv index at end of book*
**Southern Ferro Alloys Co., Chattanooga,** Tenn.
Southern Manganese Co., Anniston, Ala.
**Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York**
**Titanium Alloy Mfg. Co., Niagara Falls,** N. Y.
U. S. Ferro-Alloys Corpn., 30 E 42d, New York
U. S. Alloys Corp., 30 E 42nd, New York
Vanadium Corp. of Am., Equitable bldg, New York

### 4647— Ferro-Aluminum

**Electric Smelting & Aluminum Co., Lockport, N. Y.**
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

### 4648— Ferro-Boron

**Metal & Thermit Corp., 120 B'way, New York** *See adv index at end of book*
Vanadium Corp. of Am., Equitable bldg, New York

### 4648a— Ferro-Carbon Titanium

Titanium Alloy Mfg. Co., Niagara Falls, N. Y.

### 4648b— Ferro-Cerium

**FOOTE MINERAL CO.**, 107 N 19th, Phila., Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Mackay A. D., 130 Pearl, New York
New Process Metal Co., 46-50 Center, Newark, N. J.

### 4649— Ferro-Chrome

**Doggett Stanley (Imp), 11 Cliff, New York**
**Electro-Metallurgical Co. (Low Carbon), 42d st bldg, New York**
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Keokuk Electro-Metals Co., Keokuk, Ia.
**Lavino E. J. & Co. (Lump & Ground), Bullitt bldg, Phila., Pa.**
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
**Metal & Thermit Corp., 120 B'way, New York** *See adv index at end of book*
National Sales & Trading Co., Cleveland, Ohio
**SAMUEL FRANK,** Harrison bldg, Phila., Pa. *See adv index at end of book*
**Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York**
United States Ferro Alloys Corp., 30 E 42d, New York
Vanadium Corp. of Am., Equitable bldg, New York
Virginia Electrolytic Co., 51 E 42nd, New York
Warren Products Co., 265 B'way, New York *See adv index at end of book*

### 4650— Ferro-Magnesium

American Magnesium Corp'n, Niagara Falls, N. Y.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*

### 4651-2—Ferro-Manganese & Ferro-Silicon

**American Alloys Co., American bldg, Baltimore, Md.**
**American Manganese Mfg. Co., Bullitt bldg, Phila., Pa.**
**Ashland Iron & Mining Co. (Bessemer Ferro-Silicon Only), Ashland, Ky.**
Beckman & Linden Engng. Corp., Balboa bldg, San Francisco, Cal.
**Bond Vivian & Co., 68 Beaver, New York**
**Carborundum Co. (Silicon Metal), Niagara Falls, N. Y.**
**Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.**
**Colorado Fuel & Iron Co. (Ferro-Manganese Only), Denver, Colo.**
Crescent Phosphorized Metal Co. (Copper, Lump), 624 Penobscot, Detroit, Mich.
Crocker Bros. (Imported English), 21 E 40th, New York
**DAFT A. C.** (Mfrs. Agent, Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
Doggett Stanley (Imp), 11 Cliff, New York
Electric Smelting & Aluminum Co., Lockport, N. Y.
**Electro-Metallurgical Co., 42d st bldg, New York**
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National Sales & Trading Co., Cleveland, O.
Noble Electric Steel Co., 995 Market, San Francisco, Cal.
Pittsburgh Metallurgical Co. (Bessemer Ferro Silicon), Niagara Falls, N. Y.
Rogers Brown & Co. (Imported & Domestic), 77-78 Carew bldg, Cincinnati, O.
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Southern Ferro Alloys Co., Chattanooga, Tenn.
Southern Manganese Co., Anniston, Ala.
Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York
U. S. Alloys Corp., 32 E 42nd, New York
U. S. Ferro-Alloys Corpn., 30 E 42d, New York
Vanadium Corp. of Am., Equitable bldg, New York
Virginia Electrolytic Co. (Specialty Ferro-Silicon), 99 Cedar, New York; Furnaces: Holcomb, Va.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

## 4653— Ferro-Molybdenum

Chemical Products Co., Washington, D. C.
**Electro-Metallurgical Co., 42d st & Madison av, New York**
**Foote Mineral Co., 107 N 19th, Phila., Pa.**
Hardy Chas., Inc. (Broker), Park Row bldg, New York
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**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*
Mineral Products Mfg. Co., Wilmington, Del.
**UNITED ALLOY STEEL CORP.** ("Moly" Open Hearth & Electric Furnace), Canton, O. *See adv index at end of book*
Vanadium Corp. of Am., Equitable bldg, New York
York Ferro Alloys Co., York, Pa.
**YORK METAL & ALLOY CO.** (Mo. Metal, Acids & Salts), York, Pa.

## 4653a— Ferro-Nickel

**Electrical Alloy Co. (Wire & Ribbon), Morristown, N. J.**
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Vanadium Corp. of Am., Equitable bldg, New York

## 4654— Ferro-Phosphorus

Gray J. J. Jr., Rockdale, Tenn.
Hickman, Williams & Co. (Ground), Louisville, Ky.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Keokuk Electro-Metals Co., Keokuk, Ia.
**Lavino E. J. & Co., Bullitt bldg, Phila., Pa.**
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York. *See adv index at end of book*

## 4655—Ferro-Silicon (Electrolytic)

American Lava Corp., Chattanooga, Tenn. *See adv index at end of book*
**Carborundum Co., Niagara Falls, N. Y.**
Chattanooga Electro Metals Co., Chattanooga, Tenn.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Keokuk Electro-Metals Co., Keokuk, Ia.
**Lavino E. J. & Co., Bullitt bd, Phila., Pa.**
Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*
Midvale Mining & Mfg. Co. (Pulverized), Central Natl Bank bldg, St. Louis, Mo.
**SAMUEL FRANK**, Harrison bldg, Phila, Pa. *See adv index at end of book*
Shawinigan Electro Products Co., 3920 Philadelphia rd, Baltimore, Md.
Southern Ferro Alloys Co. ("Soferalco," 50-80 per cent), Chattanooga, Tenn.
U. S. Alloy Corp., 28 E 42d, New York
U. S. Ferro Alloys Corpn., 30 E 42d, New York
Virginia Electrolytic Co., 51 E 42d, New York

## 4656— Ferro-Titanium

**Electro-Metallurgical Co., 42d st bldg, New York**
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**METAL & THERMIT CORP.**, 120 B'way, New York *See adv index at end of book*
**Titanium Alloy Mfg. Co., Niagara Falls, N. Y.**
Vanadium Corp. of Am., Equitable bldg, New York

## 4657— Ferro-Tungsten

Chemical Products Co., Washington, D. C.
**DAFT A. C.** (Mfrs. Agent), Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
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Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Independent Lamp & Wire Co., 1733 B'way, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**Lavino E. J. & Co., Bullitt bldg, Phila., Pa.**
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York. *See adv index at end of book*
Mineral Products Mfg. Co., Wilmington, Del.
National Sales & Trading Co., Cleveland, O.
Pick Richard, 224 N 5th, Chicago, Ill.
**Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York**
Vanadium-Alloys Steel Co., 1st & Ross, Pittsburgh, Pa.
Vanadium Corp. of Am., Equitable bldg, New York
**Virginia Electrolytic Co., 99 Cedar, New York**
York Ferro Alloys Co., York, Pa.
**YORK METAL & ALLOY CO.** (Tungsten, Metal, Acids & Salts), York, Pa.

## 4658— Ferro-Uranium

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Standard Chemical Co., Vanadium bldg, Pittsburgh, Pa.
**YORK METAL & ALLOY CO.**, York, Pa.

## 4659— Ferro-Vanadium

American Vanadium Co., Pittsburgh, Pa.
Earle E. P., 165 B'way, New York
Electro-Metallurgical Co., 42d st bldg, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*
Primos Chemical Co., Primos, Pa.
Radium Luminous Matl. Corp., 55 Liberty, New York
Standard Chemical Co., Vanadium bldg, Pittsburgh, Pa.
Vanadium Corp. of Am., Equitable bldg, New York
Virginia Electrolytic Co., 51 E 42d, New York
York Ferro Alloys Co., York, Pa.
**YORK METAL & ALLOY CO.**, York, Pa.

## 4660— Ferrous Sulphate

Hachmeister Lind Chem. Co., Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., Cleveland, O.
Kalbfleisch Corp., 31 Union sq, New York
Selden & Enequist, 86 Hausman, Bklyn, N. Y.
Squibb E. R. & Sons, 78 Beekman, New York
Stanley Works, New Britain, Conn.
*See adv index at end of book*
Stresan-Reuter & Hancock, Inc., 122 S Michigan av, Chicago, Ill.
Wiards John C. Co., 273 Greene, Bklyn, N. Y.

## 4661— Ferrules (Boiler Flue)

Waterbury Brass Goods Corp., Waterbury, Conn.

## 4662— Ferrules (Brass)

American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
American Ring Co., Waterbury, Conn.
Athol Pump Co. (For Plumbing), Athol, Mass.
Blake Specialty Co., Rock Island, Ill.
Bridgeport Brass Co., Bridgeport, Conn.
Brunswick Mfg. Co. (Plain & Nickel Plated), Brunswick, Me.
**CAHILL M. F.** ("Cahill" Seamless Chisel, Cutlery, File & Knife), 710 E 2d, Boston, Mass. *See adv index at end of book*
Campbell J. B. Brass Works (End Reducing & Trap Screw), Erie, Pa.
Empire Elec. & Mfg. Co., Plainville, Conn.
Estes E. B. & Sons (Small), 364 5th av, New York *See adv index at end of book*
Fisher Specialty Co. (Jobbers), 326 Ogden av, Milwaukee, Wis.
Franklin Brass Foundry (Plumbers), 100 Young, Long Island City, N. Y.
Gaynor Mfg. Co., Bridgeport, Conn.
Glauber Brass Mfg. Co., 49th & Superior N E, Cleveland, O.
Goepel C. F. & Co., 137 E 13th, New York
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Green C. E. & Son, 95 Passaic, Newark, N. J.
Hays Mfg. Co. (Also Trap Screw), Erie, Pa
Hill Geo. Q. Co., Framingham, Mass.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Hungerford U. T. Brass & Copper Co. (Condenser Tube Chisel Handle Plumbers', etc), 80 Lafayette, New York
McShane Bell Foundry Co. (For Plumbing), Harford av & B & O R R, Baltimore, Md.
Maco Products Corp., 154 Nassau, New York
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
*See adv index at end of book*
Matthews Mfg. Co. (to Special Order), 104 Gold, Worcester, Mass.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Modern Iron Works (Trap Screw), Quincy, Ill.
Mueller H. Mfg. Co. (Plumbing), Decatur, Ill.
Novelty Mfg. Co. (Small), Waterbury, Conn.
Peck Bros. & Co., New Haven, Conn.
Prier Brass Mfg. Co., Kansas City, Mo.
Randolph-Clowes Co., Waterbury, Conn.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Schrader's A. Son Inc. (Plain or Nickel Plated Hose), Brooklyn, N. Y.
Scovill Mfg. Co. (For General Purposes, To Order Only), Waterbury, Conn.
*See adv index at end of book*
Starbuck R. M. & Sons (Plumbers), Hartford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Textile Shield Co. (For Bobbins), 250 Lowell, Lawrence, Mass.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Union Hardware Co., Torrington, Conn.
Vanadium Corp. of Am., Equitable bldg, New York
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button Co., Waterbury, Conn.
**WATERBURY MFG. CORPORATION** (& Steel), 331 S Main, Waterbury, Conn.
*See adv index at end of book*
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Williamsburg Brass Foundry (Plumbers), 517 Park av, Brooklyn, N. Y.

## 4663— Ferrules (Broom)

Chicago Ferrule & Nut Co., 880 Lill av, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 4663a1—Ferrules (Cane & Umbrella)

Graham & Berwin, 107 Lafayette, New York
Novelty Mfg. Co., Waterbury, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Waterbury Mfg. Co., Waterbury, Conn.

## 4663a—Ferrules (Chisel)

**CAHILL M. F.** ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Matthews Mfg. Co. (Seamless), 104 Gold, Worcester, Mass.
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*

## 4664— Ferrules (Cleanout)

Advance Mfg. Co., Erie, Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Campbell J. B. Brass Works, Erie, Pa.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Marshall C. P. (Extension End), Rochester, N. Y.
Peck Bros. & Co. ("Garvie" Patent), New Haven, Conn.
Prier Brass Mfg. Co., Kansas City, Mo.

## 4665— Ferrules (Condenser)

Eagle Brass Foundry Co., Seattle, Wash.
*See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Fansteel Products Co., 215 N Michigan av, Chicago, Ill.
National Brass & Copper Tube Co. Inc., 639 Mission, San Francisco, Cal.
National Fibre & Insulator Co., Yorklyn, Del.
Standard Fibre Co., Miller st, Somerville, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.

## 4666—Ferrules (Condenser, Hard Fibre)

**BRANDYWINE FIBRE PRODUCTS CO.**, E Wilmington, Del.
*See adv index at end of book*
Continental Fibre Co. (Bakelite-Dilecto), Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.**, Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
**WILMINGTON FIBRE SPECIALTY CO.**, Wilmington, Del.
*See adv index at end of book*

## 4667— Ferrules (Copper)

Associated Rolling Mills Ltd., 145 Lafayette, New York
Brunswick Mfg. Co. (Plain & Nickel Plated), Brunswick, Me.
Drens Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Empire Elec. & Mfg. Co., Plainville, Conn.
Goepel C. F. & Co., 137 E 13th, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hungerford U. T. Brass & Copper Co. (Boiler Flue), 80 Lafayette, New York
Hussey C. G. & Co., 2850 2nd av, Pittsburgh, Pa.
Merchant & Evans Co. (Seamless), 2035 Washington av & 21st, Phila., Pa.
*See adv index at end of book*


FERRULES

BRASS
STEEL

COPPER
TIN

CHISEL, CUTLERY, FILE, KNIFE, SCREW DRIVER
ALSO IN GROSS BOXES FOR THE HARDWARE TRADE
M. F. CAHILL, Mfrs., 710 East Second St., BOSTON, MASS.

Midwest Brass & Copper Co., Inc. (Boiler), 489 Broome, New York
*See adv index at end of book*
**Mutual Electric & Machine Co., 232 Fort, W Detroit, Mich.**
**Prier Brass Mfg. Co., Kansas City, Mo.**
Pullman Ventilator & Mfg. Co. ("Annealed & Seamless"), York, Pa.
*See adv index at end of book*
**Rome Mfg. Co., Rome, N. Y.**
Ryerson Joseph T. & Son., 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 4667a— Ferrules (Cutlery)

**CAHILL M. F.** ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
*See adv index at end of book*
Merchants & Manufacturers Supply Co., Chelsea, Mass.

## Ferrules (Fibre)

See Fibre, Hard; also Ferrules, Condenser; Hard Fibre

## 4667b— Ferrules (File)

**CAHILL M. F.** ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 4667c— Ferrules (Handle)

**CAHILL M. F.** ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Massachusets Machine Shop, Inc., 817 Albany, Boston, Mass.
*See adv index at end of book*

Steel, Brass *and* Copper
FERRULES
*Made on contract to specifications*
Massachusetts Machine Shop, Inc.
817 Albany St., Boston, Massachusetts

Scovill Mfg. Co. (Tool), Waterbury, Conn.
*See adv index at end of book*
Waterbury Button Corporation (Tool), 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 4668—Ferrules (Iron & Steel)

**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
American Tube & Stamping Co. (Steel), Bridgeport, Conn.
**Athol Pump Co. (Soil Pipe Union), Athol, Mass.**
Bay State Stamping Co., 380 Chandler, Worcester, Mass.
**Blake Specialty Co. (Iron), Rock Island, Ill.**
Boston Pressed Metal Co. (Special to order only), 170 Union, Worcester, Mass.
Brunswick Mfg. Co. (Plain & Nickel Plated), Brunswick, Me.
**CAHILL M. F.** ("Cahill" Steel, Chisel, Cutlery, File & Knife), 710 E 2d, Boston, Mass. *See adv index at end of book*
**Cassady Fairbank Mfg. Co. (Nickel Plated Steel), 6126 S La Salle, Chicago, Ill.**
Disston Henry & Sons Inc., Tacony, Phila., Pa.
Empire Elec. & Mfg. Co., Plainville, Conn.
Goepel C. F. & Co., 137 E 13th, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hill Geo. Q. Co., Framingham, Mass.
**Lothrop F. B. Co. (Steel), South Acton, Mass.**
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
*See adv index at end of book*
**Matthews Mfg. Co. (Steel), 104 Gold, Worcester, Mass.**
Oakes Co. (Steel), Indianapolis, Ind.
**Pratt Chuck Co. (Drawn), Frankfort, N. Y.**
Stowell Co., The (Whiffletree), So. Milwaukee, Wis.
**Union Fork & Hoe Co. (Steel Only), Columbus, O.**
**Union Hardware Co., Torrington, Conn.**
Wilcox, Crittenden & Co. Inc. (Galvanized Malleable Only), Middletown, Conn. *See adv index at end of book*
Woodell E. & Sons, Taunton, Mass.

## 4668a— *Ferrules (Knife)

**CAHILL M. F.** ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 4669— Ferrules (Lead)

See also Lead Traps, Bends & Ferrules

**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
**Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.**
Eagle Picker Lead Co., The, 208 S La Salle, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
National Lead Co., 111 B'way, New York
Raymond Lead Works ("Raymond's" Combination), 735 S Washtenaw av, Chicago, Ill.
**Standard Mfg. Co., 439 Water, Pittsburgh, Pa.**
United Lead Co., 111 B'way, New York
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 4669a—Ferrules (Screw Driver)

**CAHILL M. F.** ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
*See adv index at end of book*
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 4670—Ferrules (Tin & Sheet Metal)

Boston Pressed Metal Co. (Sheet Metal, to order only), 170 Union, Worcester, Mass.
**CAHILL M. F.** ("Cahill"), 710 E 2d, Boston, Mass. *See adv index at end of book*
Consolidated Fruit Jar Co. (Sheet Metal), New Brunswick, N. J.
Empire Elec. & Mfg. Co. (Sheet Metal), Plainville, Conn.
Goepel C. F. & Co., 137 E 13th, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Massachusetts Machine Shop Inc., 817 Albany, Boston, Mass.
*See adv index at end of book*
Textile Shields Co. (For Bobbins), 250 Lowell, Lawrence, Mass.
**Troy Stamping Works, Troy, N. Y.**
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 4671— Ferrules (Trap Screw)

**Advance Mfg. Co., Erie, Pa.**
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bignall Co., Mednia, N. Y.
**Campbell J. B. Brass Works, Erie, Pa.**
**Casey-Hedges Co., Chattanooga, Tenn.**
**Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.**
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.**
Haydenville Co., Haydenville, Mass.
**Kupferle Jno. C. Fdry. Co., 1st & Wright, St. Louis, Mo.**
McCambridge Co., 315 N 20th, Phila., Pa.
**McDonald A. Y. Mfg. Co., Dubuque, Ia.**
Maco Products Corp., 154 Nassau, New York
Modern Iron Works (Brass), Quincy, Ill.
Mueller H. Mfg. Co., Decatur, Ill.
Newbury Mfg. Co., Monroe, N. Y.
Peck Bros & Co., New Haven, Conn.
Prier Brass Mfg. Co., Kansas City, Mo.
Rockford Brass Works, Rockford, Ill.
Swett A. L. Iron Works, Medina, N. Y.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.

## 4672— Ferrules (Wire)

Green C. E. & Son, 95 Passaic, Newark, N. J.
**Lothrop F. B. Co., South Acton, Mass.**
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 4673— Fertilizer Materials

Baker, H. J. & Bros. Imp., 81 Fulton, New York
Johnson W. S., Atlanta, Ga.

## 4674— Fertilizer Mfrs.

For firms who manufacture materials, supplies and equipment related to this trade, see classification descriptive of the article required

### ALABAMA.

ALBERTVILLE—Butler Cotton Oil Co.
ALEXANDER CITY—Tallapoosa Chemical Co.
ALICEVILLE—Aliceville Oil & Mfg. Co.
ANDALUSIA—Andalusia Fertilizer Co.
ANNISTON—Anniston Fertilizer Co.
ASHLAND—Ashland Oil Mill & Fertilizer Co.
BAY MINETTE—Peoples' Fertilizer Co.
BIRMINGHAM—Birmingham Fertilizer Co.
Butler-Kyser Oil Mfg. Co.
Grasselli Chemical Co.
Jefferson Fertilizer Co.
BREWTON—Robbins & McGowin Co.
BRUNDIDGE—Brundidge Fertilizer Co.
CAMDEN—Camden Cotton Oil Co.
CAMP HILL—Graves-Smith Co.
CLIO—Arnold W. A.
CULLMAN—Cullman Fertilizer Co.
Union Fertilizer Co.
DADEVILLE—Dadeville Cotton Oil Co.
DECATUR—Decatur Fertilizer Co.
DOTHAN—Dothan Guano Co.
Grasselli Chemical Co.
Home Guano Co.
Houston Cotton & Fertilizer Co.
Houston Guano Co.
ENTERPRISE—Enterprise Fertilizer Wks
Sessions H. M. & Sons
EUFAULA—Edmonson R. Q. & Bro.
Reeves-Shorter Co.
EUTAW—Planters Warehouse & Commission Co.
FAYETTE—Sipsey Valley Oil & Fertilizer Works
FOLEY—Foley Fertilizer Co.
GADSDEN—Gadsden Fertilizer & Gin Co.
GRASSELLI—Grasselli Chemical Co.
GREENVILLE—Purity Fertilizer Co.
HALEYVILLE—Haleyville Oil & Fertilizer Co.
HEADLAND—Headland Fertilizer Works
Home Fertilizer & Cotton Oil Co.
HUNTSVILLE—Farmers' Cotton Oil & Fertilizer Co.
Huntsville Warehouse Co.
JAMES—James Fertilizer Co.
LAFAYETTE—Lafayette Cotton Oil Mills
LINEVILLE—Clay County Oil Mill & Fertilizer Co.
LUVERNE—Luverne Oil Mills
MARION—Union Storage Co.
MOBILE—McMillan & Harrison.
Virginia-Carolina Chemical Co.
MONTGOMERY—Alabama Chemical Co
American Agricultural Chemical Co.
Capital Fertilizer Co.
International Agricultural Corp.
Morris Fertilizer Co.
Mutual Warehouse Co.
Rainbow Guano Co.
Royster F. S. Guano Co.
Southern Cotton Oil Co.
Union Seed & Fertilizer Co.
Virginia-Carolina Chemical Co.
NORTHPORT—Warrior Fertilizer Co.
OPELIKA—Alabama Oil & Guano Co.
Opelika Oil Mill Corp.

ALABAMA—Opelika—continued
Piedmont Fertilizer Co.
Virginia-Carolina Chemical Co.
OXFORD—Oxford Oil Co.
OZARK—Mutual Guano Co.
PRATTVILLE—Autauga Oil & Fertilizer Co.
ROANOKE—Roanoke Guano Co.
SEALE—Seale Fertilizer Co.
SELMA—Grasselli Chemical Co.
Jefferson Fertilizer Co.
Selma Oil & Ice Co.
SPRING VALLEY—Mitchell J. D.
SULLIGENT—Sulligent Cotton Oil Co.
SYLACAUGA—Sylacauga Fertilizer Co.
TALLADEGA—Planters' Chemical & Oil Co.
Talladega Fertilizer & Mfg. Co.
TROY—Farmers Co-operative Warehouse & Gin Co.
Standard Chemical & Oil Co.
Wiley Fertilizer Co.
TUSCALOOSA—Tuscaloosa Cotton Seed Oil Co.
TUSCUMBIA—Colbert County Oil & Fertilizer Co.
UNION SPRINGS—Southern Cotton Oil Co
Union Springs Guano Co.
WETUMPKA—Coosa River Fertilizer Co

## ARKANSAS.

ARGENTA—Union Seed & Fertilizer Co.
CONWAY—Conway Cotton Oil & Gin Co.
ELDORADO—Eldorado Oil Mill & Fertilizer Co.
HOPE—Hope Fertilizer Co.
HOT SPRINGS—Hot Springs Sanitary Fertilizer Co.
LITTLE ROCK—Arkansas Fertilizer Co.
Southern Cotton Oil Co.
MAGNOLIA—Columbia Cotton Oil Co.
MONTICELLO—Drew Oil Mills
NEWPORT—Southern Cotton Oil Co.
TEXARKANA—Farmers Oil & Fertilizer Co.
WARREN—Warren Cotton Oil & Mfg. Co.

## CALIFORNIA.

EMERYVILLE—California Feritilizer Wks
LOS ANGELES—Agricultural Chemical Works, 901 Macy
American Agricultural Chemical Co., Slauson
Armour Fertilizer Works, Central bldg
Chapman Fertilizer Co., Central bldg
Germain Seed & Plant Co., 560 S Main
Hauser Packing Co., 2300 E 9th
Los Angeles Fertilizer Co., 2643 E Edwin
Pacific Wood & Coal Co., 730 W Pico
Standard Fertilizer Co., L. A. Pub. Mkt
Standard Fertilizer Co., 321 N Los Angeles
Union Fertilizer Co., Calif. bldg
REDLANDS—Redlands Fruit Association
SACRAMENTO—Lewis Tom
SAN DIEGO—Pacific Wood & Coal Co.
SAN FRANCISCO—California Fertilizer Works, 1332 Evans av.
Hawaiian Fertilizer Co., 256 California
Mountain Copper Co., Ltd., 332 Pine
Pacific Bone, Coal & Fertilizing Co., 519 California
Pacific Manure & Fertilizer Co., 429 Davis
Pacific Guano & Fertilizer Co., 343 Sansome
Union Superphosphate Co., 343 Sansome
Western Reduction Co., 1501 Evans

## CONNECTICUT.

BERLIN—Connecticut Valley Orchard Co.
BRIDGEPORT—Berkshire Fertilizer Co.
Chittenden E. D. Co.
GROTON—Shay C. M. Fertilizer Co.
HARTFORD—Olds & Whipple
MIDDLETOWN—Boardman F. H.
Rogers & Hubbard Co.
MYSTIC—Wilcox Fertilizer Co.
NEW HAVEN—Frisbie L. T. Co.
Platt Frank S. Co.
Sanderson Fertilizer & Chemical Co.
NORWICH—Eldridge T. H.
ORANGE—Woodruff S. D. & Sons
ROCKFALL—Rogers Mfg. Co.
SOUTH LYME—Niantic Menhaden Oil & Guano Co.
STONINGTON—Wheeler A. G. & F.
THOMPSONVILLE—Phelps Geo. S. & Co.

WARRENVILLE—James E. L.
WILLIMANTIC—Bugbee H. A.
WINSTED—Manchester E. & Sons
WOLCOTT—MacCormack W.

## DELAWARE.

DOVER—Delaware Fertilizer Co.
FREDERICA—Rogers L. C.
MILFORD—Draper, Davis Co.
Pierce Geo. F.
MILTON—Milton Fertilizer Co.
SEAFORD—Huston, Darbee & Co.
Woolley A. S. Co.
SMYRNA—Price Lewis M.

## FLORIDA.

CHIPLEY—Campbell A. D.
GAINESVILLE—Florida Fertilizer Co.
Standard Fertilizer Co.
INGLIS—Barker Chemical Co.
JACKSONVILLE—American Agricultural Chemical Co.
Armour Fertilizer Works
Florida Cotton Oil Co.
Independent Fertilizer Co.
Jacksonville Fertilizer Co.
Osceola Fertilizer Co.
Painter E. O. Fertilizer Co.
Virginia-Carolina Chemical Co.
Wilson & Toomer Fertilizer Co.
MARIANNA—Gulf Chemical Co.
ORLANDO—Southern Fertilizer Co.
PALATKA—Peninsular Fertilizer Co.
PENSACOLA—Saunders E. E. & Co.
TAMPA—Gulf Fertilizer Co.
West Coast Fertilizer Co.

## GEORGIA.

ALBANY—Albany Phosphate Co.
Albany Warehouse Co.
Brown Guano Co.
Muse A. W. & Co.
Pioneer Guano Co.
Virginia-Carolina Chemical Co.
AMERICUS—International Agricultural Corp.
L. G. Council Fertilizer Works
Virginia-Carolina Chemical Co.
ASHBURN—Ashburn Oil Mill
ATHENS—Empire State Chemical Co.
Georgia Phosphate Co.
Oglethorpe Oil & Fertilizer Co.
ATLANTA—Armour Fertilizer Works
Chickamauga Fertilizer Works
Empire Cotton Oil Co.
Furman Fertilizer Co.
International Agricultural Corp.
Morris Fertilizer Co.
Porter Fertilizer Co.
Southern Cotton Oil Co.
Swift & Company
Union Seed & Fertilizer Co.
Virginia-Carolina Chemical Co.
AUGUSTA—Georgia Chemical Works
International Agricultural Corp.
South Atlantic Fertilizer Co.
Southern Cotton Oil Co.
Southern States Phosphate & Fertilizer Co.
BAINBRIDGE—Empire Cotton Oil Co.
BALDWIN—Shore W. A. & Co.
BALL GROUND—Ball Ground Oil & Fertilizer Co.
BARTOW—Smith Bros. & Co.
BLACKSHEAR—Blackshear Mfg. Co.
BLAKESLEY—Empire Cotton Oil Co.
BOSTWICK—Monroe Oil & Fertilizer Co.
BOWDON—Bowdon Oil Fertilizer Co.
BOWMAN—Bowen & Ray
Ginn I. L. & Co.
Teasley & Son
BRASELTON—Co-operative Fertilizer Co.
BREMEN—Mandeville Mills
BROXTON—Broxton Fertilizer Co.
BUENA VISTA—Planters Fertilizer & Livestock Co.
BUFORD—Busha S. J.
BULLOCHVILLE — Bullochville Home Mixture Guano Co.
BYROMVILLE—Farmers' Fertilizer Wks.
CADWELL—Cadwell Fertilizer Works
CAMILLA—Georgia Mfg. Co.
CANON—Agnew O. L.
Canon Oil & Fertilizer Co.
CANTON—Canton Fertilizer Co.
CARLTON—Stevens-Martin Co.
Tiller-Glenn Co.
CARROLLTON—Mandeville Mills
CARTERSVILLE — Cumberland Fertilizer Co.
CEDARTOWN—Southern Cotton Oil Co.
CHAUNCEY — Chauncey Warehouse & Mfg. Co.

CHIPLEY—Chipley Home Mixture Guano Co.
COLUMBUS—Blanchard, Humber & Co.
Bradley W. C. Co.
Davis Warehouse Co.
Georgia Fertilizer Co.
Home Mixture Guano Co.
Royster F. S. Guano Co.
Southern Cotton Oil Co.
Virginia-Carolina Chemical Co.
COMER—Comer Mercantile Co.
Rowe W. A. & Co.
COMMERCE—Commerce Fertilizer Co.
Deadwyler A. B.
CONCORD—Strickland R. F. Co.
CONYERS—Farmers' Union Warehouse, Storage & Mfg. Co.
Wood Brothers
CORDELE—Empire Cotton Oil Co.
Read Phosphate Co.
COVINGTON—Fowler Bros. Co.
CRAWFORDVILLE — Crawfordville Ginning & Fertilizer Co.
CULLODEN—Culloden Ginning & Fertilizer Co.
CUMMING—Cumming Oil & Fertilizer Co.
CUTHBERT—McDonald & Weaver
DAVISBORO—Davisboro Fertilizer Co.
DAWSON—Southern Cotton Oil Co.
DEVEREAUX—Moate J. M.
DEWEY ROSE—Farmers E. & C. Union Warehouse Co.
Hewell T. J. Jr.
DOERUN—Doerun Oil Mill Co.
DONALDSONVILLE — Donaldsonville Oil Mill
DOUGLAS—Douglas Oil & Fertilizer Co.
DOUGLASVILLE—Upshaw Brothers
DUBLIN—Dixie Fertilizer Co.
Empire Cotton Oil Co.
Middle Georgia Fertilizer Co.
Oconee Fertilizer Co.
DULUTH—McClure-Taylor Co.
EASTMAN—Improved Dodge Guano Co.
EATONTON—Eatonton Oil & Fertilizer Co.
Ezell-Griffin Co.
Putnam Fertilizer Works
EDISON—Sealy & Rambo
ELBERTON—Elbert County Fertilizer Co.
Elberton Guano Co.
Tabor T. O. & Son
ELLAVILLE—Ellaville Guano Co.
FAYETTEVILLE—Redwine Brothers
FITZGERALD—Ben Hill Co.
Fitzgerald Cotton Oil Co.
Planters' Warehouse & Loan Co.
FORSYTH—Southern Cotton Oil Co.
FORT GAINES—Georgia Products Co.
Fort Gaines Fertilizer Co.
Southern Cotton Oil Co.
FORT VALLEY—Fort Valley Oil Co.
GAINESVILLE—Jewell-Loudermilk Co.
GRANTVILLE—Grantville Cotton Oil Co.
GRAYSON—Grayson Home Mixture Co.
GRIFFIN—Gossett A. F. & Son
Walker Brothers Co.
HAGAN—Hagan Oil Mill & Fertilizer Co.
HARRISON—Harrison Fertilizer Co.
HARTWELL—Leard & Massey
Matheson J. D. & Sons
HAWKINSVILLE—Jelks W. A. & Co.
JACKSON—Buttrill Guano Co.
Mallett & Nutt
Watkins B. F. & Co.
JERSEY—Jersey Oil Mill Co.
LA FAYETTE—La Fayette Fertilizer Co.
LAVONIA—Yow & McMurray
LAWRENCEVILLE — Lawrenceville Fertilizing Co.
LILLY—Planters' Oil & Fertilizer Co.
LOCUST GROVE—Combs A. G.
LULA—Miller H. C.
LUMPKIN — Lumpkin Home Mixture Guano Co.
McRAE—Empire Cotton Oil Co.
South Georgia Fertilizer Co.
MABLETON—Lowe, T. J.
MACON—Atlantic Chemical Co.
Cherokee Fertilizer Co.
Columbia Guano Co.
Cotton States Seed & Fertilizer Co.
Heard Brothers
Planters' Fertilizer Co.
Royster F. S. Guano Co.
Southern Cotton Oil Co.
Virginia-Carolina Chemical Co.
Willingham's Warehouse
MADISON—Madison Fertilizer Co.
MAXEYS—Maxeys Mfg. Co.
MAYFIELD—Ogeechee Fertilizer Works, Inc.
MAYSVILLE—Maysville Oil Mills
MEIGS—Standard Fertilizer Co.
MIDDLETON—Middleton Union Warehouse Co.

MILAN—Farmers' Fertilizer Works
MILLEDGEVILLE—Baldwin County Fertilizer Co.
Central Georgia Guano Co.
MILLEN—Daniel Sons & Palmer Co.
Millen Fertilizer Co.
MILLHAVEN—Comer E. T. & Co.
MONROE—Monroe Oil & Fertilier Co.
Nowell J. M.
MONTEZUMA—Montezuma Fertilizer Co.
MONTICELLO—Benton Supply Co.
Empire Cotton Oil Co.
Farmers' Union Warehouse Co.
MORELAND—Camp H. W. Co.
MOULTRIE—Moultrie Fertilizer & Mfg. Co.
Moultrie Oil & Fertilizer Co.
Swift & Company
NEWNAN—Coweta Fertilizer Co.
Georgia Belle Fertilizer Co.
OCILLA—Ocilla Oil & Fertilizer Co.
PELHAM—Hand Trading Co.
Pelham Oil & Fertilizer Co.
PUTNEY—Putney F. F.
QUITMAN—Empire Cotton Oil Co.
REYNOLDS—Planters' Warehouse Co.
Reynolds Home Mixture Guano Co.
RICHLAND—Richland Home Mixture Guano Co.
ROME—Virginia-Carolina Chemical Co.
ROYSTON—Royston Guano & Warehouse Co.
RUTLEDGE—Rutledge Oil Co.
SALE CITY—Perry F. A. Warehouse
SAVANNAH—American Agricultural Chemical Co.
American Fertilizer Co.
Armour Fertilizer Works
Barker Chemical Co.
Gibbs L. Y. Son & Co.
Leffler A. Co.
Mutual Fertilizer Co.
Phosphate Mining Co.
Reliance Fertilizer Co.
Savannah Chemical Co.
Savannah Guano Co.
Seacoast Fertilizer Co.
Southern Cotton Oil Co.
Southern Fertilizer & Chemical Co.
Swift & Company
Virginia-Carolina Chemical Co.
Willcox, Ives & Co.
SENOIA—McKnight C. C. & Bros.
SHELLMAN—Crittenden Guano Co.
Shellman Home Mixture Guano Co.
SOCIAL CIRCLE—Social Circle Mfg. Co.
Virginia-Carolina Chemical Co.
SOPERTON—Soperton Guano Co.
STARRSVILLE—Anderson & Belcher
STOCKBRIDGE—Mann Joseph
SWAINSBORO—Swainsboro Fertilizer Co.
TEMPLE—Temple Cotton Oil Co.
Temple Cotton Oil Co.
THOMASTON—Reeves T. J. & Co.
Upson County Oil Mills
THOMASVILLE—Thomasville Fertilizer Co.
THOMSON—McDuffie Oil & Fertilizer Co.
TIFTON—International Agricultural Corp.
Tifton Guano Co.
TOCCOA—Farmers Cotton Oil & Fertilizer Co.
UNADILLA—Union Warehouse Co.
VALDOSTA—Empire Cotton Oil Co.
Georgia Fertilizer & Oil Co.
Strickland's A. J. Mfg Works
VIDALIA—Altamaha Fertilizer Co.
Vidalia Chemical Co.
VIENNA—Empire Cotton Oil Co.
VILLA RICA—Villa Rica Cotton Oil Co.
WARRENTON—Union Fertilizer Co.
Warren County Fertilizer Co.
WASHINGTON—Pope Mfg. Co.
WAYNESBORO—Burke County Oil & Fertilizer Co.
WHITE PLAINS—White Plains Gin & Fertilizer Co.
WINDER—Winder Oil Mill Co.
WINTERVILLE—Pittard John T.
WOODBURY—Woodbury Oil Mills
WOODSTOCK—Woodstock Oil & Fertilizer Co.
WOODVILLE—Woodville Oil Co.
WRENS—McNair-Young Co.
ZEBULON—Zebulon Gin & Fertilizer Co.

## ILLINOIS.

AURORA—Alba Manufacturing Co.
CHICAGO—Armour Fertilizer Works, Union Stock Yards
Chicago Fertilizer & Chemical Works, 7631 S Green
Chicago Raw Products Co., 2801 S Ashland av
Darling & Company, 4201 S Ashland av
Herrmann Jos. F. & Co., Fisher bldg.
Hine Brothers Co., 4023 S Ashland av
Morris & Co., Union Stock Yards
Southern Cotton Oil Co., 1464 W 37th
Swift & Co., Union Stock Yards
United Chemical & Organic Products Co., 111 W Washington
United States Gypsum Co. (Ben Franklin Gypsum Land Plaster), 205 W Monroe
Wilson & Co., Union Stock Yards
EAST ST. LOUIS—Commercial Acid Co.
Swift & Company
WAUKEGAN—Barwell John W.
Blatchford Calf Meal Co., Waukegan

## INDIANA.

ANDERSON—Anderson Fertilizing Co.
DECATUR—Decatur Fertilizer Co.
EVANSVILLE—Evansville Packing Co.
FORT WAYNE—Bash S. & Co.
HAGERSTOWN—Weidman Augustus
HAMMOND—American Glue Co.
INDIANAPOLIS—Dockwiler & Kingsbury Co.
Rauh E. & Sons Fertilizer Co., 419 S Penn.
Smith Agricultural Chemical Co.
Wachtel J., Southern av
KOKOMO—Kokomo Fertilizer Co.
MARION—Ballard Packing Co.
MISHAWAKA—Major Brothers Packing Co.
NEW ALBANY—Empire Guano Co.
Hopkins Fertilizer Co.
SEYMOUR—Buhner F. F.
SHELBYVILLE—Bausback Robert & Sons
STASER—Niederhaus Fred.

## IOWA.

FORT DODGE—United States Gypsum Co.
SIOUX CITY—Armour Fertilizer Works.

## KANSAS.

BLUE RAPIDS—United States Gypsum Co.
KANSAS CITY—Armour Fertilizer Works

## KENTUCKY.

BARDSTOWN—Grigsby & Co.
LA GRANGE—Duncan & Bro.
LEITCHFIELD—Grayson Fertilizer Co.
LOUISVILLE—Federal Chemical Co.
Fox Chemical Co.
Globe Fertilizer Co.
Kentucky Fertilizer Co.
Louisville Fertilizer Co.
Pero & Stoecker
Southern Fertilizer Co.
Wood, Stubbs & Co.
OWENSBORO—Turley T. J. Co.

## LOUISIANA.

ARCADIA—Arcadia Cotton Oil Mill & Mfg. Co.
GIBSLAND—Gibsland Oil Mills & Fertilizer Co.
HARVEY—Swift & Company
HOMER—Homer Cotton Oil Co.
MINDEN—Minden Cotton Oil & Ice Co.
NEW ORLEANS—Planters' Fertilizer & Chemical Co., Hibernia bldg
St. Bernard Rendering & Fertilizing Co., Perrin bldg
Union Seed & Fertilizer Co., Hennen bldg
RUSTON—Ruston Oil Mill & Fertilizer Co.
SHREVEPORT—Meridian Fertilizer Factory
Shreveport Fertilizer Works
Swift & Company
Virginia Carolina Chemical Co.

## MAINE.

AUGUSTA—Philbrick E. J.
BANGOR—Morison Brothers
BOWDOINHAM—Sagadohoc Fertilizer Co.
EASTPORT—MacNichol Packing Co.
HOULTON—International Agricultural Corp.
PORTLAND—Portland Rendering Co.
SEARSPORT—American Agricult. Chemical Co.

## MARYLAND.

BALTIMORE—American Agricult. Chemical Co., Fidelity bldg
Armour Fertilizer Works, Munsey bldg
Baltimore Fertilizer Co., 221 N Calvert
Baugh & Sons Co., The 25 S Calvert
Griffith & Boyd Co., Keyser bldg
Home Fertilizer & Chemical Co., Calvert bldg
Hubbard Fertilizer Co., Keyser bldg
Hubbard M. P. & Co., Calvert bldg
Miller Fertilizer Co., Md. Life bldg
Nichols J. B. & Son, 9 E Camden
Ober G. & Sons Co., 1101 St. Paul
Patapsco Guano Co., Fidelity bldg
Piedmont Mt. Airy Guano Co. Keyser bldg
Pollock Fertilizer Co., Fidelity bldg
Rasin-Monumental Co., Nat. Mar. Bank bldg
Standard Wholesale Phosphate Co., Continental bldg
Superior Guano Co., Munsey bldg
Swift & Co., Stock Exchange bldg
Taveau H. S. & Co., Marine Bk bldg
Wooldridge Robert A. Co., Fidelity bldg
BEL AIR—McComas Brothers
Robinson W. E. & Co.
CAMBRIDGE—Webster S. L. & Son
CARDIFF—Dooley & Robinson Bros.
CHESTERTOWN—Peerless Fertilizer Co.
CHURCH HILL—Valliant E. S. & Son
CRISFIELD—Dennis L. E. P. & Son
ELKTON—Scott Fertilizer Co.
FREDERICK—Ramsburg Fertilizer Co.
Tyson J. & Son
GREENSBORO—Horsey, Roe & Co.
HAGERSTOWN—Central Chemical Co.
Tanners Hide & Tallow Co.
HAMPSTEAD—Hampstead Fertilizer Co.
MT. AIRY—Hood W. H. & Chester P.
NEW WINSOR—Bennett N. T.
SALISBURY—Farmers & Planters' Co.
Tilghman W. B. Co.
SNOW HILL—Worcester Fertilizer Co.
UNION BRIDGE—Farmers' Exchange Co.
WESTMINSTER—Farmers' Fertilizer & Feed Co.
Westminster Fertilizer Co.
WOODSBORO—Miller & Cramer

## MASSACHUSETTS.

BOSTON—American Agricultural Chemical Co., 92 State
Bowker Fertilizer Co., 43 Chatham
Breck Joseph & Sons' Corp., 55 Franklin
Dow J. C. Co., 148 State
Eastern Chemical Co., 45 Union av
Lowell Fertilizer Co., 40 N Market
FRAMINGHAM—Wood A. H. & Co.
HOLYOKE—Abbott W. H.

## MICHIGAN.

ADRIAN—Smith Elmer D. & Co.
ALABASTER—United States Gypsum Co.
DETROIT—American Agricultural Chemical Co., 7 Farman
GRAND RAPIDS—Grand Rapids Glue Co.
United States Gypsum Co.
JACKSON—Boland James Rendering & Fertilizing Co.
KALAMAZOO—Kalamazoo Rendering & Fertilizer Co.
ST. JOSEPH—Burton E.

## MINNESOTA.

MINNEAPOLIS—United States Gypsum Co.
ST. PAUL (South)—Swift & Company

## MISSISSIPPI.

AMORY—Gilmore-Puckett Co.
BROOKHAVEN—Brookhaven Cotton Oil & Fertilizer Co.
COLUMBUS—Independent Oil & Fertilizer Works
Refuge Cotton Oil Co.
CORINTH—Tupelo Fertilizer Factory
HATTIESBURG—Meridian Fertilizer Factory

MISSISSIPPI—continued
HAZLEHURST—Hazlehurst Oil Mill & Fertilizer Co.
JACKSON—Jackson Fertilizer Co.
Union Seed & Fertilizer Co.
KOSCIUSKO—Planters' Oil Mill & Gin Co.
LAUREL—Laurel Oil & Fertilizer Co.
MERIDIAN—Eagle Cotton Oil Co.
George A. H. Co.
Meridian Fertilizer Factory
Threefoot Bros. & Co.
NEWTON—Newton Oil Mill
PHILADELPHIA—Henderson-Molpus Co.
TUPELO—Tupelo Fertilizer Factory
VICKSBURG—Refuge Cotton Oil Co.
WESSON—Wesson Cotton Oil & Fertilizer Co.
YAZOO CITY—Producers' Cotton Oil Co.

## MISSOURI.

KANSAS CITY—United States Gypsum Co.
ST. JOSEPH—Swift & Co.
ST. LOUIS—Empire Carbon Works, 415 Locust
Mathiason P. B. Mfg. Co., 5310 N 2nd

## NEBRASKA.

SOUTH OMAHA — Armour Fertilizer Works
Swift & Company

## NEW HAMPSHIRE.

LANCASTER—Smith Frank Co.
PITTSFIELD—Sanborn J. W.

## NEW JERSEY.

ALLOWAY—Ayres J. F.
BRIDGETON—Grange Commercial Store
Minch John E.
BURLINGTON—Burlington Supply Co.
CAMDEN—Wenderoth J. & Sons
CEDARVILLE—Brown Wm. M.
CHROME—Armour Fertilizer Works
ELMER—Smith Rufus W. Co.
FREEHOLD—Monmouth County Farmers' Exchange
HIGHTSTOWN—Chamberlin E. B. & Co.
MARLBORO—Baird J. H. & Son
MEDFORD—Haines Jos. H. & Sons
MILLINGTON—Runyon A. D.
MONMOUTH JUNCTION—Rowland John B.
MOORESTOWN—Collins J. S. & Son, Inc.
Doughten H. W.
MT. EPHRAIM—Clark C. C. & Son
MT. HOLLY—Burlington County Farmers' Exchange
NEWARK—Listers Agricultural Chemical Works, Lister av
Noll J. F. & Co., 115 Mulberry
NEW BRUNSWICK—Lederer Samuel & Son
Ruckman Brothers
PLAINFIELD—Glaser Co.
QUINTON—Quinton Glass Co.
ROBBINSVILLE—Hendrickson & Dilatush
SWEDESBORO—Locke & Black
TRENTON—Trenton Bone Fertilizer Co.
VINELAND—Wilde Wm.
WOODBURY—West Jersey Marl & Trans. Co.
WOODSTOWN — South Jersey Farmers' Exchange

## NEW YORK.

ALBANY—Newhof L.
BALDWINSVILLE—Giddings Burt & Sons
BEACON—Hammond Benjamin
BROCKPORT—Shafer Perry C. Co.
BUFFALO—American Agricultural Chemical Co., 129 Lewis
Dold Jacob Packing Co.
International Agricultural Corp., Marine Bank bldg
U. S. Gypsum Co.
FILLMORE—Stockwell J. W. Co.
JOHNSONBURG—Daniels Fred
NEW YORK CITY—American Agricultural Chemical Co., 2 Rector
American Cyanamid Co., 511 5th av
Bowker Fertilizer Co., 60 Trinity pl
Coe-Mortimer Co., 51 Chambers
Consumers' Chemical Corp., 120 B'way
Cooper's Peter Glue Factory, 11th av & 28th
Henderson Peter & Co., 35 Cortlandt
International Agricultural Corp., 61 B'way
Lister's Agricultural Chemical Works, 2 Rector
Ludlam Frederick Co., 2 Rector
Mapes Formula & Peruvian Guano Co., 143 Liberty
Nassau Fertilizer Co., 2 Rector
National Fertilizer Co., 2 Rector
Parson & Petit (Brokers), 63 Beaver
Southern Cotton Oil Co., 120 Broadway
Southern Exchange Co., 97 Warren
Suter Eugene & Co., 120 B'way
Thorburn J. M. & Co., 53 Barclay
Union Seed & Fertilizer Co., 65 Broadway
U. S. Gypsum Co., 1170 B'way
OAKFIELD—U. S. Gypsum Co.
ROCHESTER—Flower City Plant Food Co.
International Seed Co.
SYRACUSE—Syracuse Rendering Co.
YONKERS—Health Chemical Co.

## NORTH CAROLINA.

ASHEVILLE—Asheville Packing Co.
AULANDER—Bertie Cotton Oil Co.
CHARLOTTE—Southern Cotton Oil Co.
Union Seed & Fertilizer Co.
Virginia-Carolina Chemical Co.
CLAYTON—Clayton Oil Mill
CONCORD—Southern Cotton Oil Co.
DUNN—Dunn Oil Mills Co.
DURHAM—Virginia-Carolina Chemical Co.
EDENTON—Chowan Cotton Oil & Fertilizer Co.
ELIZABETH CITY—Grandy N. G. & Co.
Jennett Brothers Co.
FARMVILLE—Farmville Oil & Fertilizer Co.
TIMMONSVILLE—Timmonsville Oil Co.
FREMONT—Fremont Oil Mill Co.
GIBSON—Southern Cotton Oil Co.
GOLDSBORO—Southern Cotton Oil Co.
GREENSBORO — American Agricultural Chemical Co.
Armour Fertilizer Works
HERTFORD—Eastern Cotton Oil Co.
JOHNS—John J. T. Co.
KINSTON—Lenoir Oil & Ice Co.
LAUREL HILL—Pate Z. V.
LAURINBURG—Elmore Ginning & Fertilizer Co.
McNair Phosphate Co.
LUMBERTON—Robeson Mfg. Co.
MARSHVILLE—Marsh-Lee Co.
MAXTON—Elba Mfg. Co.
NEW BERN—Craven Chemical Co.
Meadows E. H. & J. A. Co.
New Bern Cotton Oil & Fertilizer Mills
Virginia-Carolina Chemical Co.
PINE LEVEL—Pine Level Oil Mills
PITTSBORO—Chatham Oil & Fertilizer Co.
RAEFORD—Hoke Oil & Fertilizer Co.
RALEIGH—Caraleigh Phosphate & Fertilizer Works
Union Seed & Fertilizer Works
ROCKINGHAM—Everett Bros.
ROCKY MOUNT—Planters' Cotton Oil & Fertilizer Co.
Southern Cotton Oil Co.
SCOTLAND NECK—Scotland Neck Guano Co.
SHELBY—Southern Cotton Oil Co.
TARBORO—Josey N. B. Guano Co.
Royster F. S. Guano Co.
WADESBORO—Southern Cotton Oil Co.
WASHINGTON—Bragaw Fertilizer Co.
Havens Oil Co.
Pamlico Chemical Co.
WILMINGTON—Acme Manufacturing Co.
American Agricultural Chemical Co.
Armour Fertilizer Works
Navassa Guano Co. of Wilmington
Pearsall & Co.
Swift & Company
Union Seed & Fertilizer Co.
WILSON—Contentnea Guano Co.
Farmers' Cotton Oil Co.
Southern Cotton Oil Co.
WINSTON-SALEM—Union Guano Co.
Virginia-Carolina Chemical Co.

## OHIO.

AKRON—Barber O. C. Mining & Fertilizer Co.
ALLIANCE—Alliance Fertilizer Co.
ATHENS—Stedman F. C. Co.
BARBERTON—Columbia Chemical Co.
CAMDEN—Slover Edward Fertilizer Co.
CANTON—Canton Fertilizer & Chemical Co.
CINCINNATI — American Agricultural Chemical Co., Prov. Bk. bldg
Jarecki Chemical Co., ft. Broermann av, St. B
Joslin-Schmidt Co., 3223 Spring Grove av
Virginia-Carolina Chemical Co., Union Central bldg
CLEVELAND — American Agricultural Chemical Co., Rose bldg
Fertile Chemical Co. ("Nitro Fertile," "Lime Fertile," "Aluvia"), E 4th & Prospect
Grassell Chemical Co., Guardian bldg
Stadler J. L. & H. Rendering & Fertilizer Co., 908 Denison av, N W
Swift & Co., 2300 Ontario S. E.
U. S. Gypsum Co.
COLUMBUS—Farmers' Fertilizer Co.
Independent Packers Fertilizing Co.
New Process Fertilizer Co.
Smith Agricultural Chemical Co.
Welch Fertilizer Co.
DAYTON—Wuichet Fertilizer Co.
DEFIANCE—Ruehle John
GREENVILLE—Mace & Mansfield
GYPSUM—U. S. Gypsum Co.
HAMILTON—Miami Fertilizer Co.
HARVEYSBURG—Harveysburg Fertilizer Co.
MARIETTA—Marietta Bone & Phosphate Co.
Muskingum Valley Fertilizer Co.
MEDINA—Rickard G. W.
NEWARK—Howell Fertilizer Co.
PORTSMOUTH—Portsmouth Chemical Co.
SANDUSKY—Jarecki Chemical Co.
TIFFIN—Seneca Fertilizer Co.
WASHINGTON C. H.—Hamm M. Co.
Miller E. L.
WHEELERSBURG—Bell Geo. A. Fertilizer Works
YOUNGSTOWN—Youngstown Fertilizer Co.
ZANESVILLE—Frank L. & Sons

## OREGON.

NORTH PORTLAND—Union Meat Co.
PORTLAND—Fish Salting & By Product Co.
PORTLAND—Alaska Oil & Guano Co.
Portland Rendering Co.
Portland Seed Co.

## PENNSYLVANIA.

ALLENTOWN—Allentown Manufacturing Co.
Reichard Robert A.
ATGLEN—Hastings W. S. & Sons
CHESTER—Baxter Henry V.
COATESVILLE—Downward Jas. G. Co.
Hartranft Frank
CONNELLSVILLE—Connellsville Garbage & Fertilizer Co.
DOYLESTOWN—Dungan Fertilizer Co.
DU BOIS—Du Bois Fertilizer Works, Inc.
EASTON—Berger Brothers
ELIZABETHTOWN — Farmers' Fertilizer Works
ERIE—Erie Reduction Co.
GAP—Walker J. C. & Sons Co.
GETTYSBURG—Blocher D. & Co.
HAZLETON—Schumacher Anson B.
JOHNSTOWN—Cambria Fertilizer Co.
KENNETT SQUARE—Gawthrop Jos. R.
LANCASTER—Lancaster Bone Fertilizer Co.
Lancaster Chemical Co.
LEAMAN PLACE—Eby Amos & Co.
LEBANON—Lebanon Fertilizer Works
LINCOLN UNIVERSITY—Cope Henry & Co.
LINFIELD—Trinley Jacob & Sons
MAUD—Simon's F. A. Brothers
NEWTOWN—Kenderline T. S. & Sons
NORTH WALES—Union Chemical Works, Inc
OXFORD—Oxford Packing Works
PHILADELPHIA—American Agricultural Chemical Co., Drexel bldg
Baugh & Sons Co., 20 S Delaware av
Berg Co., E. Ontario bl. Richmond
Hess S. M. & Bro., 328 Chestnut
Keystone Bone Fertilizer Co., 15 N 5th
Martin D. B. Co., 30th & Market
Roberts Ellwood Co., Drexel bldg
Shoemaker M. L. & Co., Venango & Delaware
Thomas I. P. & Son Co., Drexel bldg
Tunnell F. W. & Co., 15 N 15th
Tygert J. E. Co., 28 S. Delaware av
Whann W. E. Co., Drexel bldg
PITTSBURGH—American Reduction Co., 1942 Forbes
Beckert Seed Store, 103 Federal
Columbia Chemical Co., Frick bldg

Pittsburgh Provision & Packing Co., Herrs Island
Walker, Stratman & Co., Herrs Island
QUAKERTOWN—Hager H. F.
RAUBSVILLE—Hoffman P. & Bro.
READING—Reading Bone Fertilizers Co.
SEITZLAND—Koller Fertilizer Co.
SPRINGTOWN—Miller Frank P.
STEWARTSTOWN—Bartenslager J. H.
WARREN—Warren Fertilizer Co.
WILLIAMSPORT—Thomas James
YORK—York Chemical Works

### RHODE ISLAND.

NARRAGANSETT PIER—Geaber Jos. F. & Bros.
PROVIDENCE—Mitchell Fertilizer Co., 26 S Water

### SOUTH CAROLINA.

AIKEN—Farmers Storage & Fertilizer Co.
ANDERSON—Anderson Fertilizer Co.
Anderson Phosphate & Oil Co.
Peoples Oil & Fertilizer Co.
BATESBURG—Batesburg Cotton Oil Co.
BENNETTSVILLE — Marlboro Fertilizer Co.
BLACKSBURG—Virginia-Carolina Chemical Co.
CAMDEN—Southern Cotton Oil Co.
CHARLESTON—Combahee Fertilizer Co.
Etiwan Fertilizer Co.
McCabe Fertilizer Co.
Macmurphy Co.
Molony & Carter Co.
Peruvian Guano Corp.
Planters' Fertilizer & Phosphate Co.
Read Phosphate Co.
Southern Cotton Oil Co.
Virginia-Carolina Chemical Co.
Wulbern Fertilizer Co.
CHERAW—Cheraw Oil & Fertilizer Co.
CLINTON—Clinton Oil Mills
CLIO—Clio Oil & Fertilizer Co.
COLUMBIA — American Agricultural Chemical Co.
Atlantic Chemical Co.
Columbia Guano Co.
Congaree Fertilizer Co.
Palmetto Guano Corp.
Royster F. S. Guano Co.
Southern Cotton Oil Co.
Swift & Company
Virginia-Carolina Chemical Co.
DARLINGTON—Darlington Fertilizer Co.
DILLON—Southern Cotton Oil Co.
ELLENTON—Ellenton Fertilizer Co.
FAIRFOREST—Fairforest Cotton Oil Co.
FOUNTAIN INN—Fountain Inn Oil Mill Co.
GAFFNEY—Victor Cotton Oil Co.
GREENVILLE—Carolina Phosphate Co.
Independent Guano Co.
Union Seed & Fertilizer Co.
Virginia-Carolina Chemical Co.
GREENWOOD — International Agricultural Corp.
GREER—Greer Cotton Seed Oil & Fertilizer Co.
Greer Fertilizer Co.
HARTSVILLE—Hartsville Fertilizer Co.
JOHNSTON—Edison J. D.
KERSHAW—Kershaw Oil Mill
LAMAR—Lamar Ginning & Cottonseed Exchange
LANCASTER—Catawba Fertilizer Co.
LIBERTY—Franklin Guano Co.
LITTLE MOUNTAIN—Little Mountain Oil Mill & Fertilizer Co.
LOWNDESVILLE — Lowndesville Cotton Oil Co.
MANNING—Manning Oil Mill
MARION—Marion Guano Co.
MULLINS—Daniel W. H. Supply Co.
NEWBERRY—Farmers' Oil Mill
NORTH AUGUSTA — North Augusta Warehouse & Fertilizer Co.
ORANGEBURG—No-Filler Fertilizer Co
Orangeburg Fertilizer Co.
PON PON—Georgia Chemical Works
ROCK HILL—Rock Hill Fertilizer Co
SIMPSONVILLE — Simpsonville Cotton Mills
SPARTANBURG—International Agricultural Corp.
Royster F. S. Guano Co.
Spartanburg Fertilizer Co.
Southern Cotton Oil Co.
TRENTON—Trenton Fertilizer Co.
WELLFORD—Tiger-Shoals Milling Co
WESTMINSTER—Westminster Oil & Fertilizer Co.
Westminster Oil & Fertilizer Co.
WEST UNION—Neville Brothers
Strother & Phinney
WOODRUFF—Woodruff Oil & Fertilizer Co.

### TENNESSEE.

CHATTANOOGA—Chickamauga Fertilizer Works
Scholze E. W.
JACKSON—Union Seed & Fertilizer Co.
KNOXVILLE—Lowe-Hord Hardware Co.
LEOMA—Leonia Gin & Fert. Co.
MEMPHIS—Southern Cotton Oil Co.
Union Seed & Fertilizer Co.
Virginia-Carolina Chemical Co.
MOUNT PLEASANT — Mount Pleasant Branch, Virginia-Carolina Chemical Co.
NASHVILLE—Georgia Fertilizer Co.
Read Phosphate Co.
Tennessee Chemical Co.
Tennessee Fertilizer Co.
SPRINGFIELD—Taylor & Powell Fertilizer Co.

### TEXAS.

BRYAN—Bryan Cotton Oil Co.
CARTHAGE—Carthage Cotton Oil Co.
CROCKETT—Houston County Oil Mill & Mfg. Co.
DALLAS—Dallas Fertilizer & Reduction Co.
FORT WORTH—Armour Fertilizer Works
Swift & Company
HOUSTON—Fidelity Chemical Corp.
Houston Packing Co.
Industrial Cotton Oil Properties
HUNTSVILLE—Huntsville Cotton Oil Co.
JACKSONVILLE—Barber G. L.
Jacksonville Cotton Oil Co.
LONGVIEW—Longview Cotton Oil Co.
MARSHALL—Marshall Fertilizer Factory
NACOGDOCHES—Nacogdoches Oil Mill
NAVASOTA—Schumacher H. Oil Works
NEW BOSTON—Bowie County Cotton Oil Co.
ROCKDALE—Rockdale Oil Co.
SULPHUR SPRINGS—Farmers & Ginners Cotton Oil Co.
TEXARKANA—Farmers' Oil & Fertilizer Co.
TYLER—East Texas Fertilizer Co.
WEIMAR—Hillje Brothers
WILLS POINT—Wills Point Cotton Oil Co.

### VERMONT.

BURLINGTON—Burlington Rendering Co.
RUTLAND—American Agricultural Chemical Co.

### VIRGINIA.

ALEXANDRIA—Alexandria Fertilizer & Chemical Co.
Bryant Fertilizer Co.
May Wm. H. & Son
Wattles Richard H.
AVALON—Gill Howard W.
BLACKSTONE—Blackstone Guano Co.
Farmers' Co-operative Fertilizer Co.
CHILHOWIE—Vance J. L. & Co.
CHURCHLAND—Trotman Mfg. Co.
DUBLIN—Jordan Seed & Fertilizer Co.
ELLERSON—Alliance & Industrial Mfg. Co.
FLEETON—Davis C. E. Packing Co.
FRANKLIN—Franklin Cotton Oil & Fertilizer Co.
Pretlow & Co.
GRETNA—Vaden Fertilizer & Supply Co.
HOLLAND—Holland Supply Corp.
LYNCHBURG—Pocahontas Guano Co.
Virginia-Carolina Chemical Co.
NORFOLK—American Fertilizing Co.
Baugh & Sons Co.
Berkley Chemical Co.
Columbia Guano Co.
Farmers Guano Co.
Hampton Guano Co.
Holmes & Dawson
Imperial Company
Norfolk Fertilizer Co.
Pocomoko Guano Co.
Robertson Fertilizer Co.
Royster F. S. Guano Co.
Virginia-Carolina Chemical Co
Winborne & Co.
Young J. R. Fertilizer Co
PLASTERCO—U. S. Gypsum Co. ("Jumbo" Land Plaster)
RICHMOND—Beveridge S. T. & Co.
Diggs & Beadles
Farmers' Co-operative Fertilizer Co.
Old Buck Guano Co.
Richmond Guano Co.
Virginia-Carolina Chemical Co.
ROANOKE—Southern Chemical Co.
SOUTH HILL—Farmers Union Fertilizer Co.
STAUNTON—Baker & Brown
SUFFOLK—Dixie Guano Co.
WAKEFIELD—Bain L. F. & Sons
WINCHESTER—Baker & Co.

### WASHINGTON.

SEATTLE—Kaufman Jacob Co.
Lilly Chas. H. Co.

### WEST VIRGINIA.

WHEELING—Wheeling Butchers' Association

### WISCONSIN.

KENOSHA—Koos N. S. & Son Co.
MILWAUKEE—Currie Brothers Co.

## 4675— Fibre (Brown)

Huntsville Fibre & Veneer Works, Huntsville, Ala.

## 4676— Fibre (Brush)

American Fibre Co. ("Palmetto"), Jacksonville, Fla.
Eaton, Schleich & Woll (Imp. Tampico), 97 Maiden la, New York
Whiting E. B. & A. C. Co. ("Tampico"), Burlington, Vt.
Wilkens Wm. Co. (Imp.), Frederick av & Wilkens, Baltimore, Md.

## 4677—*Fibre ("D. H. Gray Egyptian")

Delaware Hard Fibre Co., Wilmington, Del., Works, Marshalton, Del.
*See adv index at end of book*

## 4677a— Fibre (Flexible)

National Fibre & Insulation Co., Yorklyn, Del.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

## 4678— Fibre (Friction)

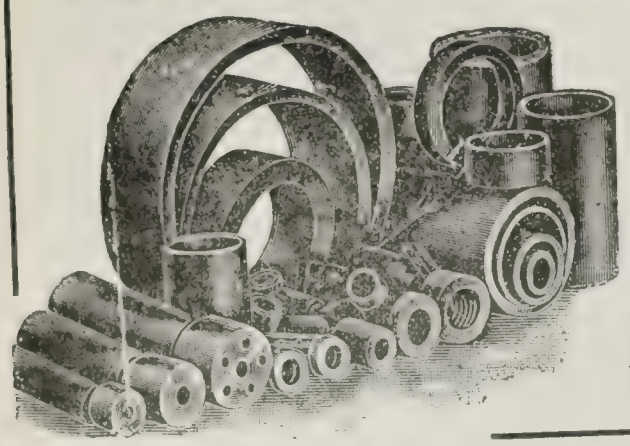
Continental Fibre Co., Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.,** Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*
National Fibre & Insulation Co., Yorklyn, Del.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

## 4679— *Fibre (Galvanized)

Russell Specialty Mfg. Co., 2944 W Lake, Chicago, Ill. *See adv index at end of book*

When writing to firms whose names appear in this book please mention HENDRICKS' COMMERCIAL REGISTER.

# Vulcanized Hard Rolled Fibre Tubing



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## 4680— Fibre (Hard)

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American Vulcanized Fibre Co. (Vulcanized, also Flexible), 504 Equitable bldg, Wilmington, Del.

Asbestos & Rubber Works of N. J. (Compressed Fibre Sheet), Camden, N. J.

**BETTES & EBSEN** (Packing), 152 Chambers, New York
*See adv index at end of book*

**BRANDYWINE FIBRE PRODUCTS CO.,** East Wilmington, Del.
*See adv index at end of book*

**Central Hard Fibre Co. (Hard Vulvanized Fibre, Tubes a Specialty), W. Somerville, Mass.**

National Fibre Board Co. (Electrical & Friction), 121 Beach, Boston, Mass.

**NATIONAL FIBRE & INSULATION CO.** ("Super-Seasoned"), Yorklyn, Del.

**ROGERS FIBRE CO.,** Boston, Mass.
*See adv index at end of book*

Russell Specialty Mfg. Co., 2944 W Lake, Chicago, Ill. *See adv index at end of book*

**SPAULDING J. & SONS CO., INC.** (In Sheets, Rods, Tubes & Specialties), P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*

Standard Fibre Co., Miller, Somerville, Mass.

**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del.
*See adv index at end of book*

**SPAULDING J. & SONS CO., INC.,** P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*

**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del.
*See adv index at end of book*

## 4682— Fibre (Sheet)

See also Fibre, Hard

**BETTES & EBSEN,** 152 Chambers, New York *See adv index at end of book*

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*See adv index at end of book*

Diamond State Fibre Co. (Also Flexible), Bridgeport, Pa.

Empire Mfg. Co., 26th & Tatnell, Wilmington, Del.

Fibre Corporation ("Fibrotte" for Covering Third Rails & Wires), Lockport, N. Y.

Fleig L. L. & Co., 212 F Austin av, Chicago, Ill. *See adv index at end of book*

Johns-Manville H. W. Co., Madison av & 41st, New York

Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*

## 4681— Fibre (Insulating)

See also Fibre, Hard

Continental Fibre Co., Newark, Del.
*See adv index at end of book*

**DELAWARE HARD FIBRE CO.,** Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*

Formica Insulation Co. (Impregnated), 3240 Spring Grove av, Cincinnati, O.

**NATIONAL FIBRE & INSULATION CO.** Yorklyn, Del.

Q. & C. Co., 90 West, New York

Railroad Supply Co., 203 S Dearborn, Chicago, Ill.

**ROGERS FIBRE CO.** ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

**DELAWARE HARD FIBRE CO.** (All Kinds), Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*

National Fibre & Insulation Co., Yorklyn, Del.

Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

Russell Specialty Mfg. Co., 2944 W Lake, Chicago, Ill. *See adv index at end of book*

**SPAULDING J. & SONS CO., INC.,** P. O. Box 52, Tonawanda, N. Y.
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### 4683— Fibre (Trunk & Suit Case)

See also Fibre, Hard

**DELAWARE HARD FIBRE CO.** Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*

National Fibre & Insulation Co., Yorklyn, Del.

Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass. *See adv index at end of book*

**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del. *See adv index at end of book*

### 4683a— Fibre (Tubes)

**BRANDYWINE FIBRE PRODUCTS CO.,** E Wilmington, Del. *See adv index at end of book*

Die Cast Fibre Co., Wilmington, Del.

**NATIONAL FIBRE & INSULATION CO.** Yorklyn, Del.

**ROGERS FIBRE CO.** ("Leatheroid"), 121 Beach, Boston, Mass. *See adv index at end of book*

Russell Specialty Mfg. Co., 2944 W Lake, Chicago, Ill. *See adv index at end of book*

**SPAULDING J. & SONS CO., INC.,** P. O. Box 52, Tonawanda, N. Y. *See adv index at end of book*

Standard Fibre Co., Somerville, Mass.

**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del. *See adv index at end of book*

### 4685— Fids (Hand)

**Hopper Wm. E. (Hickory), Paterson, N. J.**

Stossel Carl Sons & Co. (Hickory), Front Royal, Va.

### 4690— File Renewing

American File Renewing Co., 85 Kimball, Providence, R. I.

### 4691— File & Rasp Mfrs.

**Akron File Co., Akron, O.**

Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*

American Swiss File & Tool Co. (Toolmakers' & Die Sinkers' Files),, 24 John, New York

**Barker-Sweet Mfg. Co., 220 N. Y. av, Jamaica, N. Y.**

**Barnett G. & H. Co. ("Black Diamond"),** 1076 Frankford av, Phila., Pa.

**Bickhaus File Co. ("Gem City"), Quincy, Ill.**

Boston Tool & Mfg. Co., Inc. (Rotary Die Sinkers), 262 Dover, Boston, Mass.

**Breneman H. N. & Co., Lancaster, Pa.**

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Chicago Mica Co., Valparaiso, Ind. *See adv index at end of book*

Elastoid Fibre Co. ("Elastoid"), Waltham, Mass.

Russell Specialty Mfg. Co., 2944 W Lake, Chicago, Ill. *See adv index at end of book*

### 4684— Fibre (Vulcanized)

American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.

**BRANDYWINE FIBRE PRODUCTS CO.,** 815 Shipley, E Wilmington, Del. *See adv index at end of book*

Campbell Fibre Co., Stanton, Del.

**CONTINENTAL FIBRE CO.,** Newark, Del. *See adv index at end of book*

**DELAWARE HARD FIBRE CO.,** Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*

Diamond State Fibre Co., Bridgeport, Pa.

### 4686—*Figures (Automatic Wax)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*

### 4687—Figures (Carved Wood)

Spanjer Bros., 198 Badger av, Newark, N. J.

### 4688— Figures (Lead)

Wilcox, Crittenden & Co. Inc. (Also Cast Brass), Middletown, Conn. *See adv index at end of book*

### 4689—Filaments (Incandescent Lamp)

Filament Supply Co., Hoboken, N. J.

Independent Lamp & Wire Co., Weehawken, N. J.

**Jackson Francis E., Orange, N. J.**

Pick Richard Mfg. Co., 224 N Wells, Chicago, Ill.

Brohm & Molitor, 257 S Pearl, Albany, N. Y.

Buckeye Saw Mfg. Co. (Hand Cut), Columbus, O.

Campbell James F. & Son, 13 Frost, Brooklyn, N. Y.

Carver File Co. ("Delta"), 3231 Frankford av, Phila., Pa.

Champion File Works, New Haven, Conn.

Chatterton File Works, 38 Randall, Providence, R. I.

Chelsea File Works, Norwich, Conn.

Chicago File & Rasp Co., Grand Haven, Mich.

Colonial File Co., Neponset, Boston, Mass.

Continental File Corp., Anderson, Ind.

Co-operative File Co., Lawrence, Mass.

Delta File Works ("Delta" Files), 3231 Frankford av, Phila., Pa.

Disston H. & Sons (Inc.), ("Keystone"), Tacony, Phila., Pa.

Dixon Wm. (Also Importers "Glardon" Swiss Files), 39 John, New York

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Graves File Co. (Hand Cut), 67 N. J. R. R. av, Newark, N J.
Grover File Co., Nashua, N. H.
Hayes File Co. (For Solder, Babbitt Metal, etc.), 474 Franklin, Detroit, Mich.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Industry File Works, Cleveland, O.
Lewis File Mfg. Co., Beach City, O.
Lutz File Co., 806 B'way, Cincinnati, O.
Liveright Bros., 20th & Allegheny av, Phila., Pa.
McCaffrey File Co., 5th & Berks, Phila., Pa.
McClellan, Wm., 3444 Hamilton rd, Cleveland, O.
Madden & Morrison File Co., Middletown, N. Y.
Montgomery & Co. ("Grobet" Swiss, Imported), 105 Fulton, New York
Moore Bros., Jamestown, N. Y.
Murcott & Campbell, 296 Union av, Brooklyn, N. Y.
National Aluminum Co. (Circular Rasps for Tire Re-Treading), Racine, Wis.
Niagara File & Rasp Co., Lockport, N. Y.
**NICHOLSON FILE CO.** ("Nicholson," "Kearney & Foot," "McClellan," "J. Barton Smith," "Eagle," "Arcade," "American," "Gt. Western," "X-F," Swiss Pattern Files, Providence, R. I.
*See adv index at end of book*
Oldham New York Saw Works Inc., 112 26th, Brooklyn, N. Y.
Pittsburgh Gage & Supply Co. ("Bestovall" Files), 30th & Liberty av. Pittsburgh, Pa.
Racine File Co. ("Badger"), Racine, Wis.
Rex File & Saw Co., Newcomerstown, O.
Reynolds Bros. (Hand Cut), Columbus, O.
Ridgeway James B., Gorham, Me.
Shannon Wm., Middletown, N. Y.
**SIMONDS MFG. CO.** ("Simonds," "Fitchburg"), Fitchburg, Mass.
*See adv index at end of book*
Stanley Calrow L. (Hand Cut Roll Files a Specialty), Lowell, Mass.
Stokes Bros Mfg. Co., Freehold, N. J.
Stubbs Steel Co., 17 N 5th, Phila., Pa.
Tacony File & Hardware Co. (Files), 6744 Wissinoming, Tacony, Phila., Pa.
Troy File Works ("Trojan," "Arrow"), Troy, N. Y.
Vixen Tool Co. ("Vixen"), 858 Summer av, Newark, N. J.
Vixen Tool Co. ("Vixen" Patent Milling File), 50th & Lancaster av, Phila., Pa.
Westfahl File Co. ("Westfahl" Rasp), 467 31st, Milwaukee, Wis.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 4692— Files (Aluminum)

**Hayes File Co., 474 Franklin, Detroit, Mich.**
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.
Vixen Tool Co. ("Vixen"), 858 Summer av, Newark, N. J.

## 4693— Files (Bill)

American Mfg. Concern (Board), Falconer, N. Y.
Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grey Iron Casting Co. (Letter, Paper, etc), Mt. Joy, Pa.
Jencks, E. Mfg. Co. (Brass), Worcester, Mass.
Nicol & Co., 218 N Jefferson, Chicago Ill.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Roneo Co. ("Roneo for office, school or correspondence"), 117 Leonard, New York

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## 4694— Files (Celluloid)

Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Parkes File Co., 117 Verona av, Newark, N. J.

## 4695— Files (Circular)

Hayes File Co. (For Aluminum, Babbitt & Other Soft Metals), 474 Franklin, Detroit, Mich.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Tacony File & Hardware Co., 6744 Wissinoming, Tacony, Phila., Pa.

## 4695a— Files (Coil)

Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
**NICHOLSON FILE CO.** ("Spark"), Providence, R. I.
*See adv index at end of book*

## 4696— Files (Dental)

Dixon Wm., 39 John, New York
**Hammond E. L. & Son, Sayre, Pa.**
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**Tacony File & Hardware Co., 6744 Wissinoming, Tacony, Phila., Pa.**

## 4697— Files (Filing Machine)

Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Johnson & Biddle Tool Co. ("J. & B."), Elkhart, Ind.
**Parkes File Co., 117 Verona av, Newark, N. J.**
Vixen Tool Co. ("Vixen"), 858 Summer av, Newark, N. J.

## 4698—Files (Gas & Cigar Lighter)

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Parkes File Co., 117 Verona av, Newark, N. J.
**Tacony File & Hardware Co., 6744 Wissinoming, Tacony, Phila., Pa.**

## 4699— Files (Horse Tooth)

Arcade Mfg. Co., Freeport, Ill.
Heller Bros. Co. 870 Mt. Prospect av, Newark, N. J.
Horn Wm. H. & Bro., 451 N 3d, Phila., Pa.

## 4700— Files (Manicure)

Buchanan & Burns Co., 45 Austin, Newark, N. J.
Disston Henry & Sons, Tacony, Phila., Pa.
Dorpfeld Frederick W. Co., 24 Kipp, Newark, N. J.
**Hammond E. L. & Son, Sayre, Pa.**
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Koch F. A. & Co., 524 B'way, New York
**Overland Mfg. Co., 71 W 23rd, New York**
Parkes File Co., 117 Verona av, Newark, N. J.
Schnefel Bros., 684 S 17th, Newark, N. J.

## 4701— Files (Milling)

Brady F. A., Inc. ("Fabrady"), 30 Church, New York
Vixen Tool Co. ("Vixen"), 858 Summer av, Newark, N. J.

## 4701a— Files (Nail)

Celluloid Co., 36 Washington pl, New York
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
The Arlington Works (du Pont E. I. de Nemours & Co.), Wilmington, Del.

## 4701b— Files (Platinum Point)

**NICHOLSON FILE CO.** ("Superior") Providence, R. I.
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## 4702— Files (Roll)

Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Stanley Calrow L., Lowell, Mass.

## 4703— Files (Rotary)

Creasy Rotary Filer Co., The, Ballinger, Tex.
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.
**Parkes File Co., 117 Verona av, Newark, N. J.**
**Tacony File & Hardware Co., 6744 Wissinoming, Tacony, Phila., Pa.**

## 4704— Files (Side)

Disston Henry & Sons, Tacony, Phila., Pa.
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.
**Tacony File & Hardware Co., 6744 Wissinoming, Tacony, Phila., Pa.**

## 4705—Files ("Weed's Special" Blunt)

**NICHOLSON FILE CO.**, Prrovidence, R. I.
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## 4706—Filing Cabinets & Devices

See also Blue Print Filing Cabinets
**Adams Mfg. Co., 86 E Plumstead, Phila., Pa.**
**Allsteelequip Co. (Metal), Aurora, Ill.**
Amberg File & Index Co. (Wood), 1400 Fulton, Chicago, Ill.
**American Bank Protection Co. (Steel),** 1201 S 3d, Minneapolis, Minn.
American Clip Co., Beebe av, Long Island City, N. Y.
American Kardex Co. ("Kardex"), Tonadanda, N. Y.
Armorclad Mfg. Co. ("Armor Clad" Metallic), Canton, O.
**ART METAL CONSTRUCTION CO.** ("Art Metal" Sheet Steel), Jamestown, N. Y.
*See adv index at end of book*
Art Metal Products Co., 514 S Green, Chicago, Ill
**Automatic File & Index Co. (Automatic** Vertical & Sectional), Green Bay, Wis.
Baker-Vawter Co. (Steel), Benton Harbor, Mich.
Barshal Steel Equipment Co., 2031 Euclid av, Cleveland, O.
Berger Mfg. Co. (Steel), Canton, O.
**Browne-Morse Co. (Wood), Muskegon Heights, Mich.**
Caldwell Jos. S. ("Well's" Adjustable, Wood Only), Syracuse, N. Y.
Canton Art Metal Co. (Steel), Canton, O.
**Clark W. J. Co. (Metallic), Salem, O.**
Cleveland Metalcraft Co. (Steel), E 71st & Belt Line, Cleveland, O.
**Costmeter Co.** ("Costmeter" Visible Index), 1000 Washington, Boston, Mass.
Currier Mfg. Co. (Steel), Boston Block, Minneapolis, Minn.
Cutler Desk Co. (Wood), Buffalo, N. Y.
**Darby Edw. & Sons Co. ("Pen-Dar" Metallic),** 412 N 18th, Phila., Pa.
Derby Desk Co. (Wood), Somerville, Mass.
**Dexter Metal Mfg. Co. (Metallic & Steel), 93 Arch, Camden, N. J.**
Diven Mfg. Co., Elmira, N. Y.
Edwards O. M. Co. Inc. ("Edwards" Steel), Syracuse, N. Y.
**Estes E. B. & Sons (Card Index, Wood** Cabinets), 364 5th av, New York
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Federal Steel Fixture Co. (Steel), 8700 S Halsted, Chicago, Ill.
**Fielder & Allen Co. (Dealers), Atlanta, Ga**
**Fire-Proof Furniture & Construction Co** (Metallic), Miamisburg, O.
General Fireproofing Co. ("G. F. Allsteel," Metallic "U-Nettes," "Wydesteel"), **Youngstown, O.**
Globe-Wernicke Co. (Sectional Wood & **Steel), 25 Carthage av, Cincinnati, O.**
Grammes L. F. & Sons, Allentown, Pa.
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**Gunn Furniture Co., Grand Rapids, Mich.**
Hart & Hutchinson Co. ("H. & H." Steel), New Britain, Conn.
Herring-Hall-Marvin Safe Co., Hamilton, Ohio
Hobart Bros. Co., Troy, N. Y.
**Ideal Desk Co. (Wood), Auburn, Me.**
Imperial Methods Co. (Cabinet Oak), 312 W Madison, Chicago, Ill.
**Imperial Steel Cabinet Co. (Steel),** 2144 Fulton, Chicago, Ill.
**INDEX VISIBLE, INC.** ("Index Visible"), 441 Chapel, New Haven, Conn.
**Invincible Metal Furniture Co., Manitowoc, Wis.**
Keyless Lock Co. (Steel), Indianapolis, Ind.
Keller & Smith Co., 21 Howard, New York
Kohlhaas Co., 183 N Dearborn, Chicago, Ill.
Library Bureau (Metallic & Wood), 43 Federal, Boston, Mass.
**Lundstrom C. J. Mfg. Co., Little Falls,** N. Y.
Macey Co. (Wood & Steel), Grand Rapids, Mich.
**Melton-Rhodes Co. (Wood), Greensboro,** N. C.
Metal Office Furniture Co. (Steel), Grand Rapids, Mich.
**Ohmer's M. Sons Co., Dayton, O.**
Otsego Furniture Co. (Upright Filing Cabinets only), Otsego, Mich.
**Rand Co., No Tonawanda, N. Y.**
Ravenswood Office Specialties Co. (Stenographer Stationery Files), 1800 Newport av, Chicago, Ill.
**Rockwell-Barnes Co., 823 S Wabash av,** Chicago, Ill.
Schwartz Sectional System (Chemical & Druggists), Indianapolis, Ind.
**Shaw-Walker Co., Muskegon, Mich.**
Shelbyville Desk Co. (Wood), Shelbyville, Ind.
**Simonson Roger A. & Co., 122 S Michigan av, Chicago, Ill.**
Steel Fixture Mfg. Co. (Metallic), Topeka, Kan.
Universal Steel Cabinet Co., 2026 Pacific, Bklyn, N. Y.
U. S. Steel Furniture Co., Syracuse, N. Y.
**Van Dorn Iron Works Co. (Steel), 2700 E. 79th, Cleveland, O.**
Vetter Mfg. Co. (Wood), Rochester, N. Y.
**Vogt Peter A. Mfg. Co. (Wood & Steel),** 24 Evans, Buffalo, N. Y.
**Wabash Cabinet Co. (Wood), Wabash, Ind.**
**Wagemaker Co. (Wood), Grand Rapids,** Mich.
**Watson Mfg. Co. (Metallic), Jamestown,** N. Y.
**Weis Mfg. Co.** ("Weis," Wood & Fibre), Monroe, Mich.
Work-Organizer Specialty Co. ("Work-Organizer" Desk Drawer Files, etc.), 87 Jefferson av, Detroit, Mich.
Wetzel P. A. Co., Rockford, Ill.
Yawman & Erbe Mfg. Co. (Steel & Wood), Rochester, N. Y.

## 4707— Fillers (Asphalt)

**Barber Asphalt Paving Co. ("Genasco") Land Title bldg, Phila., Pa.**
Byerly & Sons, 2489 W 4th, Cleveland, O.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
**International Asphalt Co. ("Cubanel"),** 133 W. Wash., Chicago, Ill.
Patton Paint Co., Milwaukee, Wis.
**Standard Asphalt & Rubber Co.** ("Sarco," for Deadening & Waterproofing Brick & Block Pavements), 208 S La Salle, Chicago, Ill.
**Standard Oil Co. of Cal., 200 Bush, San Francisco, Cal.**
Standard Oil Co. ("Standard") 910 S Michigan av, Chicago, Ill.
**Standard Oil Co. of New York, 26 B'way,** New York
Standard Oil Co. of Ohio, E Ohio Gas bldg, Cleveland, O.
**Sun Co., Finance bldg, Phila., Pa.**
Texas Co. ("Texaco," for Brick, Wood Block & Granite Pavements), Houston, Tex., & 17 Battery pl, New York
Toledo Vitrified Brick Co., 622 Madison av, Toledo, O.
U. S. Asphalt Refining Co., 90 West, New York

## 4708— Fillers (Barrel)

Cleveland Steam Gauge Co. ("Watson" Automatic), 1108 W 9th, Cleveland, O.
Kelso & Co. (Automatic), 559 W Quincy, Chicago, Ill.
Moran Flexible Steam Joint Co. (Automatic), Louisville, Ky.

## 4709— Fillers (Cake)

Sargent & Co. ("Anger's Perfect"), New Haven, Conn.

## 4710—Fillers (Can, Tomato Pulp Measuring)

U. S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.

## 4710a— Fillers (Cement)

Toch Bros., 320 5th av, New York

## 4711— Fillers (Dry Battery)

**Acheson Graphite Co. ("Acheson" Graphite), Niagara Falls, N. Y.**

## 4712— Fillers (Egg Case)

Cherry J. G. Co., Cedar Rapids, Ia.
Crescent Paper Co., Marseilles, Ill.
North Star Egg Case Co., Quincy, Ill.
**Piqua Cap Co., Piqua, O.**

## 4713—Fillers (Engineers' Oil)

Eagle Mfg. Co., Wellsburg, W. Va.
**GEM MFG. CO.** (Brass, Copper, Plated Steel & Brazed Seamed Steel), Goebel, nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*
Hall Mfg. Co., Harrison, N. J.
Hero Mfg. Co., Westmoreland & Stokley, Phila., Pa.
Wall P. Mfg. Supply Co., 705 Preble av, N S, Pittsburgh, Pa.

## 4714— Fillers (Frog, Steel)

Ft. Wayne Iron Steel Rolling Mills, W Taylor, Ft. Wayne, Ind.
*See adv index at end of book*
Illinois Steel Co., 208 S La Salle, Chicago, Ill.

## 4715— Fillers (Ice Can)

**Burns, Jas. F., 713 Cherry, Phila, Pa.**
**Canton Paint & Glass Co. Canton, O.**
Great Lakes Engineering Works (For Mfrs. of Artificial Ice. Automatic), Real Est. Exch. bldg, Detroit, Mich.

## Fillers (Iron Casting)

See Cement, Iron & Steel Filler

## 4716— Fillers (Iron & Steel)

**Adams & Elting Co., 726 Washington blvd,** Chicago, Ill.
**BINSWANGER B. & CO.,** 329 N 3d, Phila., Pa.
Brown Chas. H. Paint Co., 262 Fulton, Brooklyn, N. Y.
**Felton, Sibley & Co., 136 N 4th, Phila.,** Pa.
**Forest City Paint & Varnish Co., 3334** Lakeside av, Cleveland, O.
French Samuel H. & Co., **4th & Callowhill,** Phila., Pa.
**Gilman Paint & Varnish Co., Chattanooga, Tenn.**
Grogan H. F. & Co., **2113 E Sergent,** Phila., Pa.
Indianapolis Paint & Color Co. ("Capital City"), Indianapolis, Ind.
Keystone Minerals Co. ("Keystone"), 41 Union sq., New York
Keystone Paint & Filler Co., Muncy, Pa.
King Paint Mfg. Co. (Iron), 449 Kent av, Brooklyn, N. Y.
**Lawrence-McFadden Co., 1400 Frankford,** Phila., Pa.
**Lawrence W. W. & Co., W. Carson,** Pittsburgh, Pa.
Lucas John & Co., 322 Race, Phila., Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
**Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.**
Nice Eugene E., 272 S 2d, Phila., Pa.
Patton Paint Co. ("James," "Patton"), Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Richmond Bros., 611 Main, Cincinnati, O.
**St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.**
Sherwin-Williams Co., Cleveland, O.
**Smith Edw. & Co., 127 W. av, Long Island City, N. Y.**
**Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.**
**U. S. Gutta Percha Paint Co. ("Rice's," Corliss, Vulcan), 12-30 Dudley, Providence, R. I.**
**Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.**
**Wilbur J. Co. (Iron), Office, Providence, R. I.**
**Wilhelm A. Co. (Liquid & Paste), Reading, Pa.**

## 4717— *Fillers (Machine)

Nice Eugene E., 272 S 2d, Phila., Pa.

## Fillers (Oil)

See Fillers, Engineers' Oil

## 4718— Fillers (Paint)

Boston Varnish Co., Everett Station, Boston, Mass.
International Silica Co., Cairo, Ill.
**Keystone Paint & Filler Co. ("Keystone," Black), Muncy, Pa.**
Keystone Minerals Co. ("Keystone"), 41 Union sq., New York
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patton Paint Co., Milwaukee, Wis.
St. Louis Surfacer & Paint Co. ("Metal-Steel"), Arlington & Terminal Belt Line, St. Louis, Mo.
Wainwright John C., Spring City, Pa.

## 4719—Fillers (Paper & Linoleum)

Macneal James B. & Co., Warner & Wooster, Baltimore, Md.
Solvay Process Co. ("Crown" Paper), Syracuse, N. Y.
U. S. Gypsum Co. ("Snow-White," "Ivory" white & gray gypsum), 205 W Monroe, Chicago, Ill.

## 4720— Fillers (Rope)

Chemical & Engineering Co. ("Red Dragon" for Belts & Rope Drivers), Watertown, N. Y.
Ironsides Co. ("Ironsides" for Wire & Fibre Rope), Columbus, O.
**Ohio Filler & Shield Co., 522 City av,** Columbus, O.

## 4721— Fillers (Silo)

Appleton Mfg. Co. ("Appleton"), Batavia, Ill.
Case J. I. Threshing Machine Co. ("Case") Racine, Wis.
Ironwood Mfg. Co. ("Cyclone"), Bellefontaine, O.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Silver Mfg. Co. ("Ohio") ("Silver"), No. 256, Salem, O.

## 4721a—*Fillers (Trench Back)

**AUSTIN MACHINERY CORP.,** Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*

## 4722— Fillers (Wood)

Acme White Lead & Color Works, St. Aubins & M. C. R. R., Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite" Liquid **& Paste), 726 Washington blvd, Chi**cago, Ill.
Akron Varnish Co. (Liquid), Akron, O.
Allentown Mfg. Co. (Paste), Allentown, Pa.
**Andersen Specialty Co. (Water Putty),** 6 E. Lake, Chicago, Ill.
Armitage Jno. L. & Co., 54 Dawson, Newark, N. J.
**Atlantic Drier & Varnish Co., Meadow & Wolf, Phila., Pa.**
**Blood T. L. & Co., 413 Wacouta, St. Paul,** Minn.
Boydell Bros. White Lead & Color Co., 40 E Lafayette, Detroit, Mich.
Bradford Jas. Co., Wilmington, Del.
Bridgeport Wood Finishing Works (Du Pont) ("Wheeler's"), Philadelphia, Pa.
Brown Chas H. Paint Co., 262 Fulton, Brooklyn, N. Y.
Buckeye Paint & Varnish Co., Toledo, O.
Buffalo Oil, Paint & Varnish Co., Buffalo, N. Y.
Burdsal A. Co., Indianapolis, Ind.
Calman Emil & Co. ("Calman's Silex" Paste), 100 William, New York
Cambria Paint & Color Co., Ltd., Johnstown, Pa.
Canton Paint & Glass Co., Canton, O.
Certain-teed Products Corp., St. Louis, Mo.
**Chase Roberts Co. ("Kismet"), West av,** Long Island City, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Day Jas. B. & Co., 214 West Ohio, Chicago, Ill.
**DEVOE & RAYNOLDS CO., INC.,** 101 Fulton, New York
*See adv index at end of book*
du Pont (E. I.) de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
**Educational Film Corp'n, 729 7th av, New** York
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
**Forest City Paint & Varnish Co., 3334** Lakeside av, Cleveland, O.
**Franche C. E. & Co., 440 Orleans, Chicago Ill.**
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gilman Paint & Varnish Co. (Liquid & **Paste), Chattanooga, Tenn.**
Glidden & Co. ("Puritan" Liquid "Japalac"), Madison & Berea rd, Cleveland, O.
**Gold Metal Polish Co. (Paste), Racine,** Wis.
**Graves N. Z. Corp., 22 S 3d, Phila., Pa.**
Grippin Mfg. Co., Newark, N. Y.
Grogan H. F. & Co., 2113 E Sergeant, Phila., Pa.
Hilo Varnish Corp., Marcy & Flushing avs, Brooklyn, N. Y.
Howell Chas. H. & Co., 212 Race, Phila., Pa.
Indianapolis Paint & Color Co. ("Capital City"), Indianapolis, Ind.
International Silica Co., Cairo, Ill.
Jamestown Wood Finishing Co., Jamestown, N. Y.
Kroeger Bros., 880 McKim, Baltimore, Md.
Lancaster Paint & Glass Co., Lancaster, Pa.
**Lawrence W. W. & Co., W Carson, Pitts**burgh, Pa.
**Lawrence-McFadden Co., 1400 Frankford,** Phila., Pa.
Lincoln Paint & Color Co. ("Paragon"), Lincoln, Neb.
**McCloskey Varnish Co., 30th & Locust,** Phila., Pa.
Marietta Paint & Color Co., Marietta, O.
**Masury John W. & Son, 50 Jay, Brooklyn,** N. Y.
Mayer & Loewenstein ("Flint Filler"), 164 Water, New York
Mepham G. S. & Co., 20th & Lynch, East St. Louis, Ill.
Miami Valley Paint Co., Dayton, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
**Murphy Varnish Co. (Liquid & Mineral** Paste), 224 McWhorter, Newark, N. J.
Nice Eugene E. ("Nice"), 272 S 2d, Phila., Pa.
O'Brien Varnish Co. ("Adamantean"), South Bend, Ind.
**Patton Paint Co. ("Tector"), Milwaukee,** Wis.
**Phoenix Paint & Varnish Co., 124 Market,** Phila., Pa.
**Pomerroy & Fischer, 95 Madison av, New** York
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Rice S. E. M. Filler Co. (Liquid & Paste, "Red Letter," "Superior"), Irvington, N. J.
Richmond Bros. ("Save-a-Coat"), 616 Main, Cincinnati, O.
**Rutland Fire Clay Co. ("Rutland"), Rut**land, Vt.
**St. Louis Surfacer & Paint Co., Arlington** & Terminal Belt Line, St. Louis, Mo.
St. Paul White Lead & Oil Co., Water & **Starkey, St. Paul, Minn.**
Sherwin-Williams Co., Cleveland, O.
**Shoemaker R. & Co., 4th & Race, Phila.,** Pa.
**Smith Edw & Co., 127 West av, Long** Island City, N. Y.
**Suydam M. B. Co., 61st & Butler, Pitts**burgh, Pa.
**THOMSON WOOD FINISHING CO.,** 329 N 3d, Phila., Pa.
*See adv index at end of book*
**Ullman-Philpott Co., 4805 Lexington,** Cleveland, O.
Valentine & Co., 456 4th av, New York
Wadsworth-Howland & Co. ("Bay-State"), 141 Federal, Boston, Mass.
Waterall Wm. & Co., Front & Mechanic, **Phila., Pa.**
**Waterproof Paint Co., Watertown, Mass.**
**Woodhouse Sam'l F. (Liquid & Paste),** Unity & Franklin, Phila., Pa.

## 4722a— Fillet (Emery)

**Stiles H. & Co., 93-97 Oliver, Boston, Mass.** *See adv index at end of book*

## 4723— Fillet (Patternmakers')

**Benskin Mfg. Co. (Leather & Wood), Canton, O.**
**Brodin Pattern & Supply Works (Wood & Composition),** 2420 W 16th, Chicago, Ill.
**BUTLER A. G., INC.,** 152 Chambers, New York
**Chain Products Co. (Leather & Wood),** 3924 Cooper av, Cleveland, O.
**Hawker W. S. Mfg. Co., 458 E. Bacon,** Dayton, O.
**Knight H. W. & Son (Leather & Wood), Seneca Falls, N. Y.**
**Nott W. S. Co. (Leather), 2d av N & 3d,** Minneapolis, Minn.
**Oliver Machinery Co., Grand Rapids, Mich.**
**Page Belting Co. (Leather & Wood), Concord, N. H.**
**Risbridger Fillet Co. (Patent Paper & Pulp), 5415 St. Clair av, Cleveland, O.**
**Shanafelt Mfg. Co. ("Belding" Leather, Obtuse Angle Wood), Canton, O.**
**Tennison G. E. (Leather),** 311 Main, Cincinnati, O.
**Timmis & Clissold (Leather & Wood),** Bound Brook, N. J.
**Wellman Products Co. ("Crescent" Wood & Leather),** 1444 E 49th, Cleveland, O.

## 4724—Fillings (Chemical Tower)

See also Stoneware, Chemical

**Graham Chas. Chemical Pottery Wks.,** 986 Met. av, Brooklyn, N. Y.
**Weeks Arthur J., Akron, O.**

## 4725—Films (Moving Picture)

See also Moving Picture Machines

**American Film Co.,** 6227 B'way, Chicago, Ill.
**Biograph Co.,** 807 E 175th, New York
**Broncho Motion Picture Co.,** 1476 Broadway, New York
**Edison Thomas A., Orange, N. J.**
**Essanay Film Mfg. Co.,** 1333 Argyle, Chicago, Ill.
**Famous Players Film Co.,** 485 5th av, New York
**Gaumont Co., Congress av, Bklyn, N. Y.**
**German-American Cinematograph & Film Co.,** 219 2d av, New York
**Kalem Co.,** 235 W 23rd, New York
**Kansas City Motion Picture Co. (Advertising Cartoons),** 1017 Central av, Kansas City, Mo.
**Kansas City Slide Co. (Advertising Cartoons),** 1017 Central av, Kansas City, Mo.
**Keystone Film Co., 1459 Broadway, New York**
**Kinemacolor Co. of Am., 1600 Broadway, New York**
**Kleine Geo.,** 63 E Adams, Chicago, Ill.
**Lubin Mfg. Co., Indiana & 20th, Phila., Pa.**
**Miles Bros. (Advtg., Industrial & Educt'l),** 1145 Mission, San Francisco, Ill.
**Motionscope Co.,** 107 S Capitol av, Indianapolis, Ind.
**N. Y. Motion Picture Corp., 1459 Broadway, New York**
**Pathe Exchange,** 25 W 45th, New York
**Power Nicholas Co., 90 Gold, New York**
**Precision Machine Co.,** 317 E 34th, New York
**Selig Polyscope Co.,** 3901 Western av, Chicago, Ill.
**Thanhouser Film Corp., New Rochelle, N. Y.**
**Universal Film Mfg. Co., 1600 Broadway, New York**
**Vitagraph Co. of Am., E 15th, Brooklyn, N. Y.**
**World Film Corp., 126 W 46th, New York**

## 4725a— Filtcher

**Industrial Chemical Co. (Alba Whiting & Super),** 200 Fifth av, New York

## 4725b— Filter Mass

**Angel H. Reeve & Co., Inc., 7 Spruce, New York**
**Asbestos Textile Co., 233 B'way, New York**
**Wentink Mfg. Corp., Menasha, Wis.**

## 4725c— *Filter Membranes

**Holz & Co., Inc., 18 Madison av, New York** *See adv index at end of book*

## Filter Presses

See Presses, Filter

## 4725d— Filter Mass (Asbestos)

**DANUBIL CO., INC.** ("Danubest") (For Chemicals, Acids, etc.), Postal Telegraph bldg, New York

## Filter Sacks

See Bigs, Filters

## 4725e— Filtering Materials

**Angel H. Reeve & Co., Inc., 7 Spruce, New York**
**Celite Products Co.** ("Filter-Cel" Compound), 11 B'way, New York
**Filtrine Mfg. Co.** ("K"), 53 Lexington, Brooklyn, N. J.

## 4726—Filtering & Purifying Plants Installed

See also Water Softening & Purifying Apparatus

**American-Water Softener Co.** ("American"), 10th & Chestnut, Phila, Pa.
**Boston Filter Co.** ("Boston"), Chelsea, Mass.
**Bowser S. F. & Co. (Oil),** Ft. Wayne, Ind.
**Dodge Sales & Engineering Co.** ("Eureka"), Mishawaka, Ind.
**GRAVER CORP.,** E Chicago, Ind. *See adv index at end of book*
**Hammond Engineering Co. (Water, Sewages, etc),** Warren, Pa.
**Hygeia Filter Co., 338 Denton, Detroit, Mich.**
**International Filter Co., 38 S Dearborn, Chicago, Ill.**
**New York Continental Jewell Filtration Co., Nutley, N. J.**
**Norwood Engineering Co.** ("Wilson"), Florence, Mass.
**Pittsburgh Filter Mfg. Co., Farmers' Bk. bldg, Pittsburgh, Pa.**
**Richmond Water Softener Co.** ("Fetta" Hot or Cold Process), Richmond, Ind.
**Roberts Filter Mfg. Co.,** 6th & Columbia av, Darby, Phila., Pa.
**SCAIFE WM. B. & SONS CO.** ("Scaife" & "We-Fu-Go" Systems), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
**Standard Water Systems Co.,** ("Tripure"), Hampton, N. J.

## 4726a Filters

**General Filtration Co., Rochester, N. Y.**

## 4727—Filters (Acetylene Gas)

**MacLeod Co.,** 2227 Bogen, Cincinnati, O. *See adv index at end of book*
**Western Brass Mfg. Works, Marshall bl & W 21st, Chicago, Ill.**

## 4728— Filters (Air)

**Eclipse Air Brush Co., 79 Orange, Newark, N. J.**
**Griscom-Russell Co.** (Aerating "Reilly"), 92 West, New York *See adv index at end of book*
**MacLeod Co.,** 2227 Bogen, Cincinnati, O. *See adv index at end of book*

## 4729— Filters (Ale & Beer)

**Kiefer Karl Machine Co., 919 Martin, Cincinnati, O.**
**Loew Mfg. Co.** ("Loew"), 9100 Madison av N. W, Cleveland, O.
**Zahm Mfg. Co., 79 E Jewett av, Buffalo, N. Y.**

## 4729a— Filters (Automatic)

**Oliver Continuous Filter Co.** ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York

## 4730— Filters (Bag)

**American Felt Co., 100 Summer, Boston, Mass.**
**Buffalo Foundry & Machine Co., Buffalo, N. Y.** *See adv index at end of book*
**Conklin H. R., Joplin, Mo.**
**Cresson-Morris Co., Allegeny & 18th,** Phila., Pa.
**HAUBTMAN & LOEB CO. (LTD.),** 618 Magazine, New Orleans, La. *See adv index at end of book*
**Kilby Mfg. Co.,** 4623 Lakeside av, Cleveland, O.
**Murphy John H. Iron Works,** 643 Magazine, New Orleans, La.
**Squier Geo. L. Mfg. Co., Buffalo, N. Y.**

## 4731— Filters (Bone Black)

**Buffalo Fdy. & Machine Co., Buffalo, N. Y.** *See adv index at end of book*
**HAUBTMAN & LOEB CO. (LTD.),** 618 Magazine, New Orleans, La. *See adv index at end of book*
**Scaife Wm. B. & Sons Co.,** 1st Natl. Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

## 4732—Filters (Carbon, For Gas Works)

**Oliver Continuous Filter Co.** ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York

## 4733— Filters (Charcoal)

**Hygeia Filter Co., 338 Denton, Detroit, Mich.**
**Loomis-Manning Filter Mfg. Co.,** S 37th & Reed, Phila., Pa.
**New York Continental Jewell Filtration Co., Nutley, N. J.**
**Pittsburgh Filter Mfg. Co., Farmers' Bk. bldg, Pittsburgh, Pa.**
**Roberts Filter Mfg. Co.,** 6th & Columbia av, Darby, Phila., Pa.
**SCAIFE WM. B. & SONS CO.** (Combination Charcoal & Sand), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York. *See adv index at end of book*
**Triumph Ice Machine Co., Oakley, Cincinnati, O.**

## 4734— Filters (Clarifying)

**Industrial Filtration Corp.,** 115 B'way, New York
**Johnson John Co.,** 203 37th, B'klyn, N. Y.
**Merrill Metallurgical Co.** ("Merrill' Sluicing), 121 2d, San Francisco, Cal.
**Oliver Continuous Filter Co.** ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York

## 4735— Filters (Concentrate)

**Oliver Continuous Filter Co.** ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York

## Filters (Cyanide)

See Filters, Slime

## 4735a— Filters (Dewatering)

**Industrial Filtration Corp.,** 115 B'way, New York
**Oliver Continuous Filter Co.,** 503 Market, San Francisco, Cal., & 33 W 42d, New York

## 4736— Filters (Faucet)

**Champion Hardware Co.** ("Champion," Germ Proof), Geneva, O.
**Haydenville Co., Haydenville, Mass.**
**Houchin Thos. W. Co.** ("Houchin," Reversible), 36 E 12th, New York
**Hygeia Filter Co., 338 Denton, Detroit, Mich.**
**Jones Mfg. Co., 243 Franklin, Boston, Mass.**
**Landers, Frary & Clark** ("Crown"), New Britain, Conn.
**Loeber Hy G. Co.,** 151 E 126th, New York
**Roberts Filter Mfg. Co.,** 6th & Columbia av, Darby, Phila., Pa.
**Union Filter & Novelty Co. ("Pur-o-tis"), 73 Franklin, New York**

## 4737— Filters (Feed Water)

See also Water Softening & Purifying Plants

**Acton John** ("Nelson"), 118 John, Brooklyn, N. Y.
**American Mfg. Co.,** Dayton, Ohio

FILTERS (FEED WATER)—continued

American Steam Gauge & Valve Mfg. Co. ("American"), 208 Camden, Boston, Mass.

American-Water Softener Co. ("American), 10th & Chestnut, Phila., Pa.

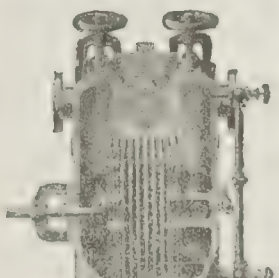
Blackburn-Smith Corp., 109 W 40th. New York

Elliott B. K. Company, 126 6th, Pittsburgh, Pa.

General Engineering Co., 717 S Front, Phila., Pa.

Graver Corp., E Chicago, Ind.
*See adv index at end of book*

**GRISCOM-RUSSELL CO.** ("Reilly Multiscreen" Feed Water Filter & Grease Extractor), 92 West, New York
*See adv index at end of book*

**Multiscreen Feed Water Filter and Grease Extractor**

A mechanical filter for cleansing boiler feed water of oil or other impurities in suspension.

THE
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Hygeia Filter Co., 338 Denton, Detroit, Mich.

Keystone Chemical Co., 2222 N Marshall, Phila., Pa.

Loomis-Manning Filter Mfg. Co., 37th & Reed, Phila., Pa.

McNally Robt. J., 5618 Germantown av, Phila., Pa.

New York Continental Jewell Filtration Co., Nutley, N. J.

Norwood Engineering Co. ("Wilson"), Florence, Mass.

Pittsburgh Filter Mfg. Co., Farmers' Bk. bldg, Pittsburgh, Pa.

Platt Iron Works Co., Dayton, O.

Red Cross Filter Co., 186 W Washington, Chicago, Ill.

Roberts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.

Ross Valve Mfg. Co. ("Railton-Campbell"), 9 Oakwood av, Troy, N. Y.

**ROW & DAVIS ENGNRS, INC.** ("R. & D."), 90 West, New York
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**SCAIFE WM. B. & SONS CO.**, First National Bk. bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

Standard Water Systems Co., Hampton, N. J.

## 4738— Filters (Gasoline)

American Oil Pump & Tank Co. ("American"), Finlay & Dalton, Cincinnati, O.

Bowser S. F. & Co., Fort Wayne, Ind.

Entorf Filter Co., Amboy, Ill.

Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.

Liddle Frank M., 3021 S Michigan blvd, Chicago, Ill.

Tokheim, John J. Co., Cedar Rapids, Ia.

## 4739—Filters (Gravity & Pressure)

Boston Filter Co. ("Boston"), Chelsea, Mass.

Cummings Filter Co. (Pressure Only), 2701 Liberty av, Pittsburgh, Pa.

Field Force Pump Co. ("Carter's" Pressure Only), Elmira, N. Y.

**HAMMOND IRON WORKS**, Warren, Pa.
*See adv index at end of book*

Hygeia Filter Co., 338 Denton, Detroit, Mich.

International Filter Co., 38 S Dearborn, Chicago, Ill.

Loomis-Manning Filter Mfg. Co., 37th & Reed, Phila., Pa.

New York Continental Jewell Filtration Co., Nutley, N. J.

Norwood Engineering Co. ("Wilson"), Florence, Mass.

Pittsburgh Filter Mfg. Co., Farmers' Bk. bldg, Pittsburgh, Pa.

Roberts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.

**SCAIFE WM. B. & SONS CO.**, First National Bk. bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 4739a— Filters (Industrial)

Boston Filter Co. ("Boston" Ice Making), Chelsea, Mass.

Dover Boiler Works; Sales Office, 40 Church, New York; Works, Dover, N. J. *See adv index at end of book*

Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York

Scaife Wm. B. & Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

## 4740— Filters (Mash)

Freund H. H. ("S. B. & B."), 7 W 45th, New York

## 4741—Filters (Mechanical, Sugar)

Dyer Co., 2031 Euclid av, Cleveland, O.

Hassell Iron Works Co., Colorado Springs, Colo.

Joubert & Goslin Mach. & Fdy. Co., Birmingham, Ala.

Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.

Krajewski-Pesant Corp., 50 Broad, New York

Loomis-Manning Filter Mfg. Co., 37th & Reed, Phila., Pa.

Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42d, New York

Perrin Wm. R. & Co., 37 W Van Buren, Chicago, Ill.

Shriver T. & Co., Harrison, N. J.

Stearns-Roger Mfg. Co., Denver, Colo.

Von Phul Gilbert D., Hibernia Bank bldg, New Orleans, La.

## 4742— Filters (Oil)

Acton John ("Nelson"), 118 John, Brooklyn, N. Y.

Akron Belting Co. ("Krotz"), Akron, O.

**ANDERSON V. D. CO.** ("Anderson"), W 96th, Cleveland, O.
*see adv index at end of book*

Bayer Steam Soot Blower Co., St. Louis, Mo.

Blaw-Knox Co., Freeport rd, Hoboken, N. J.

Bousman Mfg. Co., Grand Rapids, Mich.

Bowser S. F. & Co., Fort Wayne, Ind.

Burke Furnace Co. ("Burke"), 320 E Water, Chicago, Ill.


**When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER**


**BURT MANUFACTURING CO., (THE)** ("Cross," "Warden," "American," "Burt"), 40 Main, Akron, O.
*See adv index at end of book*


"BURT"
"WARDEN"
"AMERICAN"
"CROSS"

**OIL FILTERS**

The Burt Mfg. Co.
40 Main St.
AKRON, OHIO


Canton Grate Co. ("Canton"), Canton, O.

**Chesterton A. W. Co. ("Chesterton") 64 India, Boston, Mass.**

Collins Mfg. Co., Ltd. ("Dixie" Automatic Oiling System), 612 Chestnut, Phila., Pa.

**COLONIAL SUPPLY CO.**, 217 Water, Pittsburgh, Pa. *See adv index at end of book*

Columbiana Boiler Co., Columbiana, O.

Day Co. ("Bryant" Automatic), 1004 Lyndale, Minneapolis, Minn.

De Laval Steam Turbine Co. (Centrifugal), E. Trenton, N. J.
*See adv index at end of book*

Elliott B. K. Co. ("Liberty"), 126 6th, Pittsburgh, Pa.

Entorf Filter Co., Amboy, Ill.

Famous Filter Co., 308 N Commercial, St. Louis, Mo.

Flower Walter L. Co. ("Acme"), 307 S 8th, St. Louis, Mo.

Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*

**Gallaway G. W. ("Economy"), 322 Pearl New York**

**GODFREY-KEELER CO.**, 70 Warren, New York *See adv index at end of book*

Hall Mfg. Co. ("Hall," "Bartow Duplex," for Waste Oil), Harrison, N. J.

Handlan-Buck Mfg. Co. ("Superior"), 210-14 N 3rd, St. Louis, Mo.

Houghton E. F. & Co. (The "Houghton"), 240 W Somerset, Phila., Pa.

Hunt E. J. Mfg. Co. (For Transformers), Ordway bldg, Newark, N. J.

Johnson John Co., 203 37th, Brooklyn, N. Y.

Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

**National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.**

New York Oil Cabinet Co. ("Wiley"), 103 Walker, New York

**Northrop Lubricating Oil Co. ("Famous"), 308 N Commercial av, St. Louis, Mo.**

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

Nusbaum F. A. ("Columbus"), 219 Ruffner, Lockland, O.

**OIL & WASTE SAVING MACHINE CO.** (Turbine Centrifugal), Real Estate Trust bldg, Phila., Pa.
*See adv index at end of book*


**Oil & Waste Saving Machine Co.**
PHILADELPHIA, PA.

Oil Reclaiming Machines
Waste Reclaiming Machines
Chip Separators, Oil Filters


Packer John H., Liberty, Mo.

Pittsburgh Gage & Supply Co. ("White Star"), 30th & Liberty av, Pittsburgh, Pa.

Pittsburgh Sheet Metal Co., S 20th & Wharton, Pittsburgh, Pa.

Reeves Bros. Co., Alliance, Ohio
*See adv index at end of book*
Richardson-Phenix Co. ("R. P." Power Plant & Small Hand), 131 2nd, Milwaukee, Wis.
Sexton Can Co. ("Sexton's" Improved), 123 Broad, Boston, Mass.
Sims Co. ("Sims"), 18th & Whitley av, Erie, Pa.
Turner Oil Filter Co. ("Turner"), Niles, Mich.
United Filters Corp. (The "Ten Winkel" Oil & Water Filter & Extractor), Felt bldg, Salt Lake City, Utah
Western Blower Co., 1800 9th av, Seattle, Wash.
Wieben John Co., 2051 Lexington av, New York
Wisconsin Foundry & Machine Co. ("Badger"), Madison, Wis.
Wright-Austin Co., 97 Woodbridge, W Detroit, Mich.

## Filters (Oil, from Metal Chips)

See Separators, Centrifugal

## 4743— Filters (Oil Refiners')

**HAMMOND IRON WORKS,** Warren, Pa.
*See adv index at end of book*
Struthers-Wells Co., Warren, Pa.

## Filters (Pressure)

See Filters, Gravity & Pressure

## 4743a— Filters (Pulp)

Lungwitz Emil E., 90 West, New York
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal.

## 4744— Filters (Rain Water)

Boston Filter Co. ("Boston"), Chelsea, Mass.

## 4744a— *Filters (Salt)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 4745— Filters (Sand)

**American-Water Softener Co., 10th & Chestnut, Phila., Pa.**
Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*
**Hygeia Filter Co., 338 Denton, Detroit, Mich.**
International Filter Co., 38 S Dearborn, Chicago, Ill.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, Ohio
Loomis-Manning Filter Mfg. Co., 37th & Reed, Phila., Pa.
**New York Continental Jewell Filtration Co., Nutley, N. J.**
Norwood Engineering Co. ("Wilson"), Florence, Mass.
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 W 42nd, New York
Pittsburgh Filter Mfg. Co., Farmers Bk. bldg, Pittsburgh, Pa.
Remmers B. & Sons (Automatic, for Sugar, Glucose & Chemical Liquors, etc.), 1227 Germantown, Philadelphia, Pa.
Roberts Filter Mfg. Co., 6th & Columbus av, Darby, Pa.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 4746— Filters (Slime)

Chalmers-Williams Mfg. Co. ("Burt" Rapid & Revolving Cyanide Filters), 1461 Arnold, Chicago Heights, Ill.
Colorado Iron Works Co. ("Portland"), Denver, Colo.
**General Filtration Co., Rochester, N. Y.**
Glamorgan Pipe & Foundry Co. (Continuous Rotary Vacuum), Lynchburg, Va.
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Merrill Metallurgical Co. ("Merrill" Automatic Sluicing Pressure), 121 2d, San Francisco, Cal.
Moore Filter Co. ("Moore," Displacement Process), 50 E 42nd, New York
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., and 33 W 42nd, New York
Taylor Fdry & Engng. Co. (Vacuum), Grass Valley, Cal.

## 4746a— Filters (Suction)

General Ceramics Co. (Stoneware), 50 Church, New York
Industrial Filter Corp. (Rotary), 115 B'way, New York
Knight Maurice A. (Stoneware), Akron, Ohio
Oliver Continuous Filter Co. (Rotary), 503 Market, San Francisco, Cal.
United Filters Corp. (Rotary), 36 Flatbush av, B'klyn, N. Y.

## 4747— Filters (Tea & Coffee)

Hamblin & Russell Mfg. Co. ("Triumph"), Worcester, Mass.
Silex Co. ("Silex"), 45 High, Boston, Mass.

## 4748— Filters (Tripoli)

Federal Filter Co. ("National"), 1364 Grand av, Chicago, Ill.
Hygeia Filter Co., 338 Denton, Detroit, Mich.
Roberts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Seneca Tripoli Co. ("Seneca Standard," "Syphon Filters," Plug & Drip Filter Stones), Pierce bldg, St. Louis, Mo.

## Filters (Vacuum)

See Filters, Slime

## 4748a— Filters (Washing)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Industrial Filtration Corp., 115 B'way, New York
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal.

## Filters (Waste Oil)

See Filters, Oil


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## 4749— Filters (Water)

See also Filters, Feed Water

Advance Mfg. Co., Erie, Pa.
Albright Aerating Filter Co. (Cistern), Muncie, Ind.
Allen Filter Co., Toledo, O.
American Filter Co. ("Noxall"), 665 Buffum, Milwaukee, Wis.
American Sterilizer Co., Erie, Pa.
American-Water Softener Co., 10th & Chestnut, Phila., Pa.
Atlantic Filter Co. ("Paddock"), Marine Nat'l Bank bldg, Buffalo, N. Y.
Berkefeld Filter Co. (A. Giese), 4 Cedar, New York
Bishop & Babcock Co. ("Eureka"), 1204 E 55th, Cleveland, O.
Boston Filter Co. ("Boston" Water Purifier), Chelsea, Mass.
Buffalo Mfg. Co., Buffalo, N. Y.
Buhring Water Purifying Co., 68 Murray, New York
Butler Mfg. Co., Kansas City, Mo.
Centadrink Filters Co., 1440 B'way, New York
Champion Hardware Co. ("Champion" Germ Proof), Geneva, O.
Cleveland Stamping & Tool Co. (Enameled), E 53rd & Hamilton, Cleveland, O.
Colles Heater & Specialty Co., 14 E Jackson blvd, Chicago, Ill.
Consolidated Filters Co., 136 W 65th, New York
Cummings Filter Co. (Bone Black Only), 2701 Liberty av, Pittsburgh, Pa.
Everson Filter Co. ("Everson," "Double," Service, "Leader," "Bone Black," "Quartz") 70 W Lake, Chicago, Ill.
Federal Filter Co. ("National"), 1364 Grand av, Chicago, Ill.
Field David W., Builders' Exchange, Phila., Pa.
Filtrine Mfg. Co. ("K."), 53 Lexington, B'klyn, N. Y.
Fulper Pottery Co. (Portable Natural Stone, Germ Proof), Flemington, N. J.
General Engineering Co., 717 S Front, Phila., Pa.
Goade Water Filter & Purifier Mfg. Co., Allentown, Pa.
Graver Wm. Tank Works, E Chicago, Ind.
*See adv index at end of book*
Griscom-Russell Co. ("Reilly" Aerating Charcoal), 92 West, New York
*See adv index at end of book*
Hungerford & Terry (Inc.) (Hungerford" Filters for Mills), Penna. bldg, Phila., Pa.
Hygeia Filter Co., 338 Denton, Detroit, Mich.
International Filter Co., 38 S Dearborn, Chicago, Ill.
Imperial Filter Mfg. Co., 1010 Olive, St. Louis, Mo.
Jewell Engng. Co., 53 W Jackson blvd.
Jones Mfg. Co. ("Croton," "Model 1," "Model 2," "No Splash," "Gem," "Hub," "Modern," "Mystic"), 243 Franklin, Boston, Mass.
Joslyn Filter Co., 63 5th av, New York
Knoble Filter Co., 1587 Clybourn av, Chicago, Ill.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Loomis-Manning Filter Mfg. Co. ("Baltimore," "Federal," "Manhattan"), 37th & Reed, Phila., Pa.
Moore & White Co. ("Fullner" for Paper & Pulp Mills), N 15th & Lehigh av, Phila., Pa.
New York Continental Jewell Filtration Co., Nutley, N. J.
Norwood Engineering Co. ("Wilson" Filters for Houses, Mills & Cities), Florence, Mass.
Pittsburgh Filter Mfg. Co., Farmers' Bk. bldg, Pittsburgh, Pa.
Progressive Iron Foundry & Machine Co. ("Purity"), Haydenville, Mass.
Rapid Safety Filter Co., 92 Pine, New York
Reisert Automatic Water Purifying Co., 23 E 26th, New York
Rex Filter Co., 162 William, New York
Roberts Filter Mfg. Co. (For Every Purpose), 6th & Columbia av, Darby, Phila., Pa.
SCAIFE WM. B. & SONS CO. (For Dwellings, Hotels, Hospitals, etc.), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Union Filter & Novelty Co. ("Disc Felt Neptune"), 73 Franklin, New York
United Filters Corp., Felt bldg, Salt Lake City, Utah
Van Valkenburg L. D. ("Van Valkenburg's"), Holyoke, Mass.
Watson N. A., Erie, Pa.
Welsh Wm. ("Star"), 2733 Arbor av, Hyde Pk., Cincinnati, O.
Wetherill R. & Co. (For Water Works), Chester, Pa.

## 4750-1—Filters (Water, Portable)

Aquapura Filter Mfg. Co., St. Louis, Mo.
Boston Filter Co. ("Boston"), Chelsea, Mass.
Buffalo Mfg. Co., Buffalo, N. Y.
Deane E. L. Machine Co. ("Wilson" House), Holyoke, Mass.
Hygeia Filter Co., 338 Denton, Detroit, Mich.
Linke T. ("Acorn," "Advance," Stone Tub Pressure), 235 W 46th, New York

## Filters (Water, Small for Faucet)

See Filters, Faucet

## 4752— Finders (Center)

Goodell-Pratt Co., Greenfield, Mass.
West Haven Mfg. Co. ("Sure"), West Haven, Conn.

## 4753— Finders (Trouble)

American Electric Co. ("Sonoscope"), 6401 S State, Chicago, Ill.
Baylis Co. (Locophone), Bloomfield, N. J.
Pilling G. P. & Son Co. ("Phonedoscope"), 23d & Arch, Phila., Pa

## 4754— Finger Cots (Rubber)

Canton Rubber Co., Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Dunbar Mfg. Co., South River, N. J.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Miller Rubber Co., Akron, O.
Parker-Stearns & Co. (Pure Para), 286 Sheffield av, Brooklyn, N. Y.
Realty Rubber Co., Massillon, O.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

## 4755-6— Fingers (Controller)

Eureka Co., North East, Pa.

## Finish (Hard Oil)

See Hard Oil Finish

## 4757— Fire Brick (Ground)

Gautier J. H. & Co., 1 Greene, Jersey City, N. J.
Utica Fire Brick & Clay Co., Utica, Ill.

## 4758— Fire Clay

Acme Fire Clay Works (Flake & Dust), New Cumberland, W. Va.
American Fire Brick Co. (Ground), Spokane, Wash.
American Fire Clay Co., Am. Trust bldg, Cleveland, O.
Ancho Brick Co., Ancho, New Mexico
ASHLAND FIRE BRICK CO., Ashland, Ky.
Ayers Mineral Co., Zanesville, O.
Baltimore Retort & Fire Brick Co., cor Hull & Nicholson, Baltimore, Md.
Baltimore Terra Cotta Works (Ground & in Bulk), 1300 Covington, Baltimore, Md.
Bannon P. Pipe Co. (Ground), Louisville, Ky.
Berry James E., Woodbridge, N. J.
Bickford Fire Brick Co. (In Bulk or Sacks), Curwensville, Pa.
Big Savage Fire Brick Co. (Ground & Screened), Frostburg, Md.
Borgner Cyrus Co., 234 N 23d, Phila., Pa.
Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Buckeye Fireclay Co. (Ground, etc.), Uhrichsville, O.
Cannelton Sewer Pipe Co. (Ground in Bags), Cannelton, Ind.
Catlin R. H. Co. (Powdered), Wilmington, Del.
C. & B. Clay Co., Canton, O.
Chambers A. Reeder (Pulv.), Trenton, N. J.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Chicago Fire Brick Co., 133 W Washington, Chicago, Ill. *See adv index at end of book*
Chicago Retort & Fire Brick Co., Ottawa, Chicago, Ill.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Claycraft Mining & Brick Co., Hartman bldg, Columbus, O.
Crescent Refractories Co., Curwensville, Pa. *See adv index at end of book*
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Fire Clay Co., Denver, Col.
Diamond Fire Brick Co. (Ground), Canon City, Colo.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Didier-March Co., Perth Amboy, N. J.
Dover Fire Brick Co., Cuyahoga bldg, Cleveland, O.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Edgar Bros. Co., Metuchen, N. J.
Elgin Butler Brick & Tile Co. (Pressed), Austin, Texas
Excelsior Ball Clay Co., Cincinnati, O.
Excelsior Fire Clay Co., Lisbon, O.
Farber Clay & Mining Co., Farber, Mo.
Federal Clay Product Co., Mineral City, O.
Fiske & Co., 25 Arch, Boston, Mass.
Fuerst Bros. & Co., 2 Stone, New York
Funsten Clay Products Co., 55 New Montgomery, San Francisco, Cal.
Garfield Fire Clay Co., Robinson, Pa.
Gautier J. H. & Co., 1 Greene, Jersey City, N. J.
Gill Clay Pot Co., Muncie, Ind.
Good Geo. S. Fire Brick Co., Patton, Pa.
Greenpoint Fire Brick Co., 111 Clay, Brooklyn, N. Y.
Harbison-Walker Refractories Co. (For all Purposes), Farmers' Bank bldg, Pittsburgh, Pa.
Highlands Fire Clay Co., Mackind & Berthold av, St. Louis, Mo.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Illinois Clay Products Co., Oglesby, Ill.
Illinois Kaolin Co., Anna, Ill.
Interstate Fire Clay Co., Citizens bldg, Cleveland, O.
Keener Sand & Clay Co., Hartman bldg, Columbus, O.
Kiamensi Clay Co. (Also Ground Clay), Wilmington, Del.
Kreischer Brick Mfg. Co., Kreischerville, S. I., N. Y.
La Clede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.
Leisen John H., Woodbridge, N. J.
Livermore Fire Brick Works, Niles, Cal.
McCormick J. S. Co. (Welsh Mountain), 25th & A. V. R. R., Pittsburgh, Pa.
McHose L. H., Perth Amboy, N. J.
McLeod & Henry Co. (Back Combustion Chamber Arch), 360 1st, Troy, N. Y.
Mack Mfg. Co., Lincoln bldg, Phila., Pa.
Manown Mfg. Co. (Ground), Oliver bldg, Pittsburgh, Pa.
Massillon Stone & Fire Brick Co., Massillon, O.
Maurer Henry & Son (Ground & in Bulk), 420 E 23d, New York
Missouri Fire Brick Co., Security bldg, St. Louis, Mo.
Mount Cherry Coal Co., 8 E Long, Columbus, O.
Mutton Hollow Fire Brick Co. (Ground), Woodbridge, N. J.
National Clay Refining Co. ("Shamrock"), 430 Walnut, Phila., Pa.
National Sales Co., 31 E 13th, Cincinnati, Ohio
Negley Clay Co., Negley, O.
Nelsonville Brick Co. (Ground), Nelsonville, O.
Ohio Fire Brick Co., Oak Hill, O.
Osceola Silica & Fire Brick Co., Osceola Mills, Pa.
Ostrander Fire Brick Co., Troy, N. Y.
Peekskill Fire Brick Works, Peekskill, N. Y.
Penna Fire Brick Co., Beech Creek, Pa.
Phila. Fire Brick Works, 2306 Vine, Phila., Pa.
Presbrey Stove Lining Co., Taunton, Mass.
Products Development Co., Sharon bldg, San Francisco, Cal.

Raritan Ridge Clay Co., Metuchen, N. J.
Reeve, Augustus, Camden, N. J.
Robinson Clay Product Co. (Ground), Akron, O.
Rockcastle Cement & Lime Co., Munsey bldg, Baltimore, Md.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Savannah Kaolin Co., Savannah, Ga.
Smith A. F. Co., New Brighton, Pa.
Southern Fire Brick & Clay Co., 133 W Washington, Chicago, Ill. Works: Mt. Silica, Ind.
Springfield Facing Co., Springfield, Mass.
*See adv index at end of book*
Standard Firebrick Co., Diamond Bank bldg, Pittsburgh, Pa.
Stevens H. Sons Co. (Milled), Macon, Ga.
Stratton Fire Clay Co., Empire, O.
Thomas Moulding Brick Co., 1203 Chamber of Commerce, Chicago, Ill.
Uhl Pottery Co. (Ground), Evansville, Ind.
Union Mining Co. of Alleghany County, Mount Savage, Md.
Utica Fire Brick & Clay Co. ("Utica" Ground & Crude Steel Fire Clay), Utica, Ill.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Washington Brick, Lime & Sewer Pipe Co. (Milled & Screened), Spokane, Wash.
West Virginia Fire Clay Mfg. Co. (Ground Flaked or Dust, etc.), Diamond Bank bldg, Pittsburgh, Pa.
Whitehead Bros. Co., 537 W 27th, New York
Winslow & Co., Portland, Me.
Woodbridge Clay Products Co. (Ground & Mortar), Perth Amboy, N. J.

## 4758a— Fire Department Supplies

**Consult Index of Contents for the Particular Article Required; See also Mill & Factory Supplies**

Croker Nat'l Fire Prevention Engng. Co., 1270 B'way, New York
Harris Fire Apparatus Co., 39 E 19th, New York
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*

## 4759—Fire Door Fittings (Automatic)

Allith-Prouty Co. ("Allith" & Prouty"), Danville, Ill.
Aurora Door Hanger & Specialty Co. Aurora, Ill.
Bolles Wm. B., Fastenings, P. O. Box 600M, Milwaukee, Wis.
*See adv index at end of book*
Brewer Bros. Co. (Rails, Brackets, etc.), 2nd & Somerset, Phila., Pa.
California Fire Proof Door Co. ("Wilcox"), Los Angeles, Cal.
**COBURN TROLLEY TRACK MFG. CO.,** ("Coburn"), P. O. Box 127, Holyoke, Mass.
Dentler Bagger Co., Vicksburg, Mich.
Keystone Fire Door Co. ("Standard"), 1231 Irwin av, Pittsburgh, Pa.
Lane Bros. Co., Poughkeepsie, N. Y.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Newhall Henry B., 89 West, New York
Peters Jas. & Son, 1934 N Front, Phila., Pa.
Richards-Wilcox Mfg. Co. ("Richards-Wilcox"), Aurora, Ill.
Richmond Safety Gate Co., Richmond, Ind.
Shields J. H., 231-33 Sycamore, Cincinnati, O.
Stowell Co. The, S Milwaukee, Wis.
Victor Mfg. Co. ("Victor" Heat Releasing Devices), Newburyport, Mass.

## Fire Doors (Automatic)

See Doors, Elevator, Automatic, Fire; also Doors, Fire, Tin Clad & Sheet Metal

## 4760—Fire Engines (Chemical)

Ajax Fire Engine Works, 882 3d av, Brooklyn, N. Y.
American Fire Apparatus Co., 30 E 42d, New York
**American-La France Fire Engine Co.,** Elmira, N. Y.
Anderson Coupling & Fire Supply Co., Kansas City, Kan.
Badger Fire Extinguisher Co. (40 Gallon on Wheels), 34 Portland, Boston, Mass.
Boyd James & Bro. ("Boyd," "Champion," "Halloway," "Kanawha"), 25th & Wharton, Phila., Pa.
Childs O. J. Co. ("Utica" Copper Tank), Utica, N. Y.
**HARKER MFG. CO.** ("Queen"), 121-123 W Third, Cincinnati, Ohio
*See adv index at end of book*

FIRE ENGINES
Hand Chemical
"Queen" Brand
HARKER MFG. CO.
CINCINNATI, O.

Hayward S. F. & Co. 250 W 54th, New York
Knight & Thomas ("Protector"), 212 Summer, Boston, Mass.
Martin Carriage Works (Motor Driven), York, Pa.
National Metal Stamping & Mfg. Co. ("Accurate"), 494 Mulberry, Newark, N. J.
Northern Fire Apparatus Co. ("Northern"), 2422 Univ. av, S E Minneapolis, Minn.
*See adv index at end of book*
Obenchain-Boyer Co., Logansport, Ind.
Pirsch Peter & Co. (Hand & Drawn), Kenosha, Wis.
Prospect Mfg. Co. ("Deluge"), Prospect, O.
pect, O.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
**SAFETY FIRE EXTINGUISHER CO.** (Safety), 291 7th av, New York.
*See adv index at end of book*
Seagrave Co., Columbus, O.
Stempel Fire Extinguisher Mfg. Co., 4268 N 20th, St. Louis, Mo.
Weller Samuel A., Zanesville, O.

## 4761—Fire Engines (Gasoline)

See Fire Engines, Motor.

American La France Fire Engine Co., Inc., Elmira, N. Y.

## 4762— Fire Engines (Hand)

American-La France Fire Engine Co., Elmira, N. Y.
Anderson Coupling & Fire Supply Co., Kansas City, Kan.
Badger Fire Extinguisher Co. (Chemical), 34 Portland, Boston, Mass.
Howe Engine Co., Indianapolis, Ind.
Knight & Thomas ("Protector"), 212 Summer, Boston, Mass.
Northern Fire Apparatus Co. ("Chemical"), 2422 Univ. av S. E., Minneapolis, Minn.
*See adv index at end of book*
Prospect Mfg. Co. ("Deluge" Hand), Prospect, O.
Safety Fire Extinguisher Co., 291 7th av, New York *See adv index at end of book*

## 4763— Fire Engines (Motor)

Ahrens-Fox Fire Engine Co. ("Ahrens-Fox"), Cincinnati, O.
American-La France Fire Engine Co., Elmira, N. Y.
American & British Mfg. Co. ("A. & B."), Charles, Providence, R. I.
Anderson Coupling & Fire Supply Co., Kansas City, Kan.
Atterbury Motor Car Co., Buffalo, N. Y.
Autocar Co., Ardmore, Pa.
Couple Gear Freight Wheel Co., Grand Rapids, Mich.
Empire Art Metal Co., Inc. (Underwriters' Standard Tin Covered), College Point, L. I., N. Y.
Federal Motor Truck Co., Federal & Campbell avs, Detroit, Mich.
Four-Wheel Drive Auto Co., Clintonville, Wis.
Front Drive Motor Co., Hoboken, N. J.
Harder Auto Truck Co., 149 W 62nd, Chicago, Ill.
Howe Engine Co., Indianapolis, Ind.
International Motor Co. ("Mack," "Saurer," "Hewitt"), 262 W 64th, New York
Kissel Motor Car Co., Hartford, Wis.
Lange Motor Truck Co., 145 S St. Claire, Pittsburgh, Pa.
Lippard-Stewart Motor Car Co., Buffalo, N. Y.
Luitwieler Pumping Engine Co. ("Luitwieler" Motor), Rochester, N. Y.
Mais Motor Truck Co., Indianapolis, Ind.
Martin Carriage Works, York, Pa.
Northern Fire Apparatus Co. ("Northern"), 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Peerless Motor Car Co., Quincy av & E 93d, Cleveland, O.
Pirsch Peter & Co., Kenosha, Wis.
Pope Mfg. Co. ("Pope-Hartford"), Hartford, Conn.
Robinson Fire Apparatus Mfg. Co., 4268 N 20th, St. Louis, Mo.
Seagrave Co., Columbus, O.
U. S. Fire Apparatus Co., Wilmington, Del.
Velie Motor Vehicle Co., Moline, Ill.
Waterous Engine Works Co., 62 S Robert, St. Paul, Minn.
Westinghouse Co. ("Westinghouse"), Schenectady, N. Y.

## 4764— Fire Engines (Steam)

Ahrens-Fox Fire Engine Co. ("Continental"), Cincinnati, O.
American-La France Fire Engine Co. (Also Hand), Elmira, N. Y.
Foamite Firefoam Co., 200 5th av, New York
U. S. Lock & Hdwe. Co. (& Auto), Columbia, Pa.

## 4765— Fire Escapes

See also Iron, Architectural & Ornamental; also classifications following this heading

Cruickshanks Iron Works Co., Dineen & S. A. L. Ry, Richmond, Va.
Fleck M., 338 E 124th, New York
Halsted Jos. Co., 1223 W Randolph, Chicago, Ill.
**HANKE IRON & WIRE WORKS,** 800 N Albany av, Chicago, Ill.
*See adv index at end of book*
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
**LEAKE A. G. ERECTING CO. INC.,** Bridgeport, Conn.
Mesker Geo. L. & Co., Evansville, Ind.
**MEYERS FRED J. MFG. CO., Hamilton, O.**
*See adv index at end of book*
Moss J. E. Iron Wks., Wheeling, W. Va.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Remppis W. F. Iron Works, 226 Spruce, Reading, Pa.
Rieseck Iron Works, 1201 Metropolitan, Pittsburgh, Pa.
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith L. Iron & Steel Co., Jacksonville, Fla.
Standard Fire Escape Co., 166 N May, Chicago, Ill.
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
Verdeckberg Iron & Wire Works Co., Denver, Colo.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.

## 4766—Fire Escapes (Automatic)

Davy Automatic Fire Escape Co., 117 W Taylor, Syracuse, N. Y.
Hayward S. F. & Co. ("Mumford"), 250 W 54th, New York
Potts Mfg. Co., Mechanicsburg, Pa.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
**Roanoke Iron Works, Roanoke, Va.**

## 4767— Fire Escapes (Chute)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bielhen Foundry & Machine Works, St. Joseph, Mo.

## 4768—Fire Escapes (Counterbalance)

Bielhen Foundry & Machine Works, St. Joseph, Mo.

# Fire Protection

SAFETY FIRE BUCKET TANK
SAFETY FIRE EXTINGUISHER
SAFETY ONE QUART EXTINGUISHER

Chemical Engines, Underwriters' Fire Hose, Watchman's Clocks, Waste Cans, Gasolene Cans, Signs—All Approved Fire Appliances,

*Bearing Label Underwriters' Laboratories, Inc.*

## The Safety Fire Extinguisher Co.

Established 1892 295 Seventh Ave., New York

FIRE ESCAPES (COUNTERBALANCE) —continued

Duluth Corrugating & Roofing Co., Duluth, Minn.
Halsted Jos. Co., 1223 W Randolph, Chicago, Ill.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
Mid-West Iron Works, Omaha, Neb.
Potts Mfg. Co., Mechanicsburg, Pa.
Progressive Structural Steel Co., Buffalo, N. Y.
Roanoke Iron Works, Roanoke, Va.
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
U. S. Fire Escape Counterbalance Co., 177 W Washington, Chicago, Ill.

### 4769—Fire Escapes (Portable)

American Fire Apparatus Co. (Chain Ladders), 30 E 42d, New York
Hamblin & Russell Mfg. Co. ("Lodewick's" Steel, Non-Combustible), Worcester, Mass.
Hayward S. F. & Co. ("Wilson"), 250 W 54th, New York
McArthur Portable Fire Escape Co. ("McArthur"), Cleveland, O.
Neal B. B. Hardware Co. ("Life Saving"), 117 Leonard, New York
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*

### 4770— Fire Escapes (Rope)

Rex-Harris Fire Appliance Co. (Wire Rope), 310 W 39th, New York
Rope Fire Escape Co., 1626 Market, Phila., Pa.
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
Whitner Two Rope Safety Co., 455 S Clark, Chicago, Ill.

### 4771—Fire Escapes (Spiral)

Alvey Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bielhen Foundry & Machine Works, St. Joseph, Mo.
Burr Co., Champaign, Ill.
Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Dow Wire & Iron Works ("Kirker-Bender"), Louisville, Ky.
Duluth Corrugating & Roofing Co., Duluth, Minn.
Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Loewer John E. Co., Wire & Iron Works Co., 914 Campbell, Kansas City, Mo.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
Norfolk Iron & Wire Works, Inc., Norfolk, Va.
Richmond Structural Steel Co. (Cast Iron), 18th & Dock, Richmond, Va.
Roanoke Iron Works, Roanoke, Va.

### 4772— Fire Escapes (Stairway)

Halsted Jos. Co., 1223 W Randolph, Chicago, Ill.
**HANKE IRON & WIRE WORKS** ("Hanke"), 800 N Albany av, Chicago, Ill. *See adv index at end of book*
Mack Iron & Wire Wks., Sandusky, O.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
**SMITH F. P., WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Wosconsin Iron & Wire Wks., Milwaukee, Wis.

### 4773— Fire Extinguishers

See also Sprinklers, Automatic Fire; also Grenades, Hand

#### CALIFORNIA.

SAN FRANCISCO—Badger Fire Extinguisher Co., 440 Howard
Goodyear Rubber Co. ("Gold Seal"), 539 Mission
*See adv index at end of book*
Gorham Fire Apparatus Co., 127 Mission.
Pacific Fire Extinguisher Co., 507 Montgomery
Western Fire Appliance Co., 51 2nd

#### CONNECTICUT.

NORWICH—Phoenix Fire Extinguisher Co.
YALESVILLE—Yale C. J. Mfg. Co.

#### DISTRICT OF COLUMBIA.

WASHINGTON—Howard H. J. N. Mfg. Co. 10 Pierce
*See adv index at end of book*

#### ILLINOIS.

CHICAGO—Allen W. D. Mfg. Co. ("Allenco," "Nella"), 566 W Lake
*See adv index at end of book*


**FIRE PROTECTION APPLIANCES**

Extinguishers of every type, hose, racks, reels and playpipes. Fire protection equipment is one of our specialties. Practically every large building in Chicago is equipped with Allen's devices. Write for details of our service.

**W. D. ALLEN MANUFACTURING CO.**
566 West Lake Street
Chicago, Ill.


Armstrong & Co., 544 W Washington blvd
Diener Geo. W. Mfg. Co. (Chemicals), 400 Monticello av
Firex Mfg. Co., 2039 S Morgan
Justrite Mfg. Co. ("Justrite"), 2061 Southport av
**McMorran Edw. E. & Co., 126 N Union**
Miller Chemical Engine Co., 839 Larrabee
**Niagara Fire Extinguisher Co., 209 S La Salle**
Pyrofoam Co., 126 N Union
**Treadwell M. H. Co. of Ill. ("Erwin"),** 208 S La Salle

#### INDIANA.

BUTLER—Craun Bros.
RAYS CROSSING—Gordon Orville E. ("Gordon")

#### KANSAS.

EL DORADO—Gaylord Sanitary Mfg. Co. ("Always-Ready" for Automobiles")
**KANSAS CITY—Anderson Coupling & Fire Supply Co.**

#### MASSACHUSETTS.

**BOSTON—Badger Fire Extinguisher Co.,** 34 Portland
Barnes Henry K. Co. ("Fire King" Chemical), 234 Devonshire
Callahan Cornelius Co., 127 Purchase
Knight & Thomas ("Underwriters," "Railway & Marine," "Safe Guard," "Vulcan," "Home Guard," "Fire Warden"), 212 Summer
Standard Extinguisher Co., 24 Binford
LAWRENCE—Kress O. F. & Son

#### MINNESOTA.

**MINNEAPOLIS — Northern Fire Apparatus Co. ("Atlas," "Northern"),** 2422 Univ. av. S E
*See adv index at end of book*

#### MISSOURI.

KANSAS CITY—Prier Brass Mfg. Co.
ST. LOUIS—General Mfg. Co., 1804 Pine, St. Louis, Mo.
Missouri Lamp & Mfg. Co. ("Acme," "Royal," "Phoenix," "Missouri," "U. S.," "Rex"), 114 Elm
Ono Trezo Fire Extinguisher Mfg. Co., 214-216 S 17th
**St. Gemme Frank Fire Apparatus Co.**
Stempel Fire Extinguisher Mfg. Co., 4268 N 20th

#### NEW JERSEY.

NEWARK—Landau Henry W., 104J Railroad av, Newark, N. J.
NEWARK—National Metal Stamping & Mfg. Co. ("Accurate," also "Marten" for Automobiles & Motor Boats, etc), 494 Mulberry
**Roe & Conover, 206 Frelinghuysen av**
*See adv index at end of book*
TRENTON—Hunt Jas. B. Mfg. Co.

### NEW YORK.

BUFFALO—Buffalo Chemical Fire Extinguisher Co., 67 Carroll
Dusing & Hunt, 386 Michigan av
Ever Ready Mfg. Co., 44-46 Pearl
Western Inspection Co.
ELMIRA—American-La France Fire Engine Co. ("Salvage," "Patrol")

### NEW YORK CITY.

#### Boroughs of Manhattan and Bronx.

NEW YORK—American Fire Apparatus Co., 30 E 42d
Badger Fire Extinguisher Co., 123 William
Columbia Fire Extinguisher Co., 174 Centre
Coston Signal Co., 24 Water
Diggs D. W., 156 B'way
Fyro Extinguisher Co., Syracuse, N. Y.
Fire Gun Mfg. Co., Inc. ("Fire Gun"), 115 4th av
Foamite Firefoam Co., 200 5th av
Fox Bros. & Co. (Locomotive), 126 Lafayette, New York
Fyricide Mfg. Co., 74 W 85th
Harris Fire Apparatus Co., 39 E 19th
Hayward S. F. & Co. ("Babcock," "Patrol," "Champion," "Liquid Seal" & "Rescue," Chemical; also Hand Grenades), 250 W 54th
Johns-Manville H. W. Co. ("Success" Non-Freezing, also Fire Protective Devices), Madison av & 41st, New York
New York Brass Fdry. Co., 403 Broome
Rex Harris Fire Appliance Co., 310 W 39th
**SAFETY FIRE EXTINGUISHER CO.** (Safety One Quart Tetrachloride), 295 7th av, New York
*See adv index at end of book*
ROCHESTER—Home Chemical Co., 107 Adams
Kahnweiler's David Sons ("Simplex"), 260 Front
Minwax Co. (Chemical), 18 E 41st Pine
Pyrene Mfg. Co. ("Pyrene"), 52 Vanderbilt av
Rapid Safety Fire Exting. Co., 92 Pine
Relc Extinguisher Corp. of America, 52 Vanderbilt
Rex-Harris Fire Appliance Co., 39 E 19th
Safety Fire Extinguisher Co. ("Quick-Out"), 291 7th av
Simmons John Co., 110 Centre
Toamete Fire Extinguisher Co., 200 5th av
UTICA—Childs O. J. Co. ("Child's," "Utica," Hand, etc.)

### OHIO.

CINCINNATI—Harker Mfg. Co. ("Queen," "Safety First" Chemical, also Dry Powder), 121-123 W Third
*See adv index at end of book*

FIRE EXTINGUISHERS
Hand Chemical Soda and Acid.
3 Gallon Capacity. Tetra Chloride
Pump, Gun Type. "Queen Brand"
HARKER MFG. CO.
CINCINNATI, O.

Thompson Walter M., 1427 Plum
COLUMBUS—Nu-Ex Fire Appliance Co.
DAYTON—Fyr-Fyter Co.
Larkin Mfg. Co. ("Larkin")
MARIETTA—Northwestern Chemical Co. ("Fire Fly" Dry Powder)

### PENNSYLVANIA.

PHILADELPHIA—Boyd Jas. & Bro. ("Keystone" & "Paragon"), 25th & Wharton
Castle Jas. M., Inc., Lincoln bldg
Clay Jno. H., 1320 Ridge av
National Inspection Co. ("Bradford"), 1617 Sansom
Snyder M. L. & Son ("Arrow," "Pan American," "Electric," "Standard"), 223 Church
PITTSBURGH—**COLONIAL SUPPLY CO.**, 217 Water
*See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Johns H. W.-Manville Co., 951 Liberty
Pittsburgh Lamp, Brass & Glass Co. ("Pilabrasco"), 130 7th

### WASHINGTON.

SPOKANE—Pacific Fire Extinguisher Co.

### WISCONSIN.

MILWAUKEE—Badger Chemical Mfg. Co. ("Mitchell" Dry Powder, "Wisconsin," "Auto" Liquid Chemical), 221 Grand
Erwin Mfg. Co. ("Firefoam"), Montgomery bldg.
RACINE—Racine Iron & Wire Works (Chemical)

## 4774-5—Fire Extinguishers (Steam)

See also Sprinklers, Automatic Fire

Childs O. J. Co., Utica, N. Y.
Nathan Mfg. Co. (For Locomotives, etc), 416 E 106th, New York

## 4776— Fire Hose Shut Off

Pirsch Peter & Co ("Pirsch"), Kenosha, Wis.
Rowell D. G. ("Samson" Automatic), Appleton, Wis.
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*

## 4777—Fire-Place Furnishings Mfrs.

See also Andirons, Fenders & Grates

Arnold & North 124 E 41st, New York
Backus Heater & Foundry Co. ("Backus" Heaters, Andirons, Fenders, etc), 63 Canal, Boston, Mass.
Bassill Louis Co. (Brass Andirons, Fenders, etc), 100 Utica, Boston, Mass.
Biddle-Gaumer Co. (Wrought Iron), 3846 Lancaster av, Phila., Pa.
Boston Brass Andiron Co. (Andirons, Fire Sets & Fenders), 104 Utica, Boston, Mass.
Bradley & Hubbard Mfg. Co. (Andirons, Fenders, Fire Sets, etc), Meriden, Conn.
Bridgeford & Co. (Fancy Grates & Furnishings), Louisville, Ky.
Chattanooga Roofing & Fdry. Co. ("Cahill" Grates & Fixtures), Chattanooga, Tenn.
Colonial Fire Place Co., 4631 W 12th, Chicago, Ill.
Dawson Bros., 523 N Halsted, Chicago, Ill.
Dighton Foundry Co. (Grates & Iron, etc), Taunton, Mass.
Eisenberg M. & Son, 165 Grand, New York
Elm City Brass & Rivet Co. (Brass), Plainville, Conn.
Fanner Mfg. Co. ("Arctic," Fire Sets, Fire Dogs, Grates, etc), Cleveland, O.
Graf Frank H. Mfg. Co. (Brass, Bronze & Black Iron), 322 7th av, New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Howes S. M. Co. (Fire Sets, Basket Grates, Fireplace Screens, etc), 42 Union, Boston, Mass.
**JACKSON EDWIN A. & BRO., INC.** (Andirons, Fenders, etc), 50 Beekman, New York *See adv index at end of book*
Jackson Wm. H. Company (Fire Screens, Fenders, Fire Sets, etc, Brass & Iron), 2 W 47th, New York
Jackson's Mantel & Grate Works, 2 W 33rd, New York
Janusch Mfg. Co. (Brass, Bronze, etc), 496 E 134th, New York
Jardine Walter S. & Sons Co. (Iron Lining), 29 Central, Arlington Heights, Mass.
Lodge Mfg. Co. (Andirons, etc), South Pittsburgh, Tenn.
McKenny & Waterbury Co. (Andirons, Fenders, Fire Sets, etc), 181 Franklin, Boston, Mass.
Manhattan Brass Co. (Brass), 332 E 28th, New York
Meyers Fred. J. Mfg. Co., Hamilton, O. *See adv index at end of book*
Ohio Foundry & Mfg. Co. (Grates, etc), Steubenville, O.
Peerless Mfg. Co. (Grates, Fire Seats, etc), Louisville, Ky.
Richmond Stove Co., 2506 E Main, Richmond, Va.
Rostand Mfg. Co. (Full Line "Rostand"), Milford, Conn.
Sharpless & Watts Co., 1520 Sansom, Phila., Pa.
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Smith John P. & Co. (Screens, etc), New Haven, Conn.
Stover Mfg. & Engine Co. (Screens), Freeport, Ill.
Syracuse Wire Works (Spark Guards), 101 University av, Syracuse, N. Y.
Tiffany Studios, 361 Madison av, New York

## Fire Pots

See Pots, Fire

## 4778— Fire-Proof Constructors

See also Concrete Steel Construction, Reinforced

A. B. Fireproofing Co., 64 W Randolph, Chicago, Ill.
Almion Engineering & Contracting Co., 25 Church, New York
Bruner P. M. Granitoid Co., Frisco bldg, St. Louis, Mo.
Celite Products Co., Van Nuys bldg, Los Angeles, Cal.
Drehmann Paving Co. (Concrete Floors, etc), 2629 Parrish, Phila., Pa.
General Fireproofing Co. (Building Mat'l), Youngstown, O.
Goldsmith Metal Lath Co., 53 Central av, Cincinnati, O.
Grand Rapids Fire Proofing Co., Grand Rapids, Mich.
Gypsum Fireproofing Co., 205 W Monroe, Chicago, Ill.
Healy-Tibbitts Construction Co., Main & Market, San Francisco, Cal.
Keystone Fireproofing Co., Chester, Pa.
Moss J. E. Iron Works, Wheeling, W. Va.

EDWIN A. JACKSON & BRO. Inc.
50 Beekman Street, New York,
MANUFACTURERS OF
Mantels, Grates, Franklin Stoves, Dampers, Andirons,
Spark Screens and All Kinds of Fireplace Fixtures.

FIRE-PROOF CONSTRUCTORS—cont.
National Concrete Const. Co., Louisville, Ky
National Concrete Fire Proofing Co., Citizens bldg, Cleveland, O.
Pennsylvania Fireproofing Co., Erie, Pa.
Sanitary Fire Proofing & Contracting Co., 509 W 174th, New York
Standard Concrete Steel Co., 413 E 31st, New York
United States Gypsum Co., 205 W Monroe, Chicago, Ill.
Whittacre Greer Fireproofing Co., Waynesburg, O.

## 4778a— Fire-Proof Doors & Partitions

**ALIGNUM FIREPROOF PRODUCTS CO. INC.,** So. River, N. J., & 356 Lexington av, New York
*See adv index at end of book*
Chicago Cabinet Fixture Works, 2016 W Van Buren, Chicago, Ill.
Cincinnati Mfg. Co., Cincinnati, O.
Inter-Ocean Cabinet Co., 320 S Paulina, Chicago, Ill.
**KINNEAR MFG. CO.,** 716-766 Field av, Columbus, O.
*See adv index at end of book*
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.

## 4779—Fire-Proof Floors & Partitions

A. B. Fireproofing Co. (Partitions Only), 64 W Randolph, Chicago, Ill.
American Concrete Steel Co. (Concrete Steel), 27 Clinton av, Newark, N. J.
Barber Asphalt Roofing Co., Land Title bldg, Phila., Pa.
Brown Hoisting Machinery Co. ("Ferroinclave"), 4403 St. Clair, N E, Cleveland, O.
Burchartz Fireproofing Co. ("Burchartz," Long Span Floors, Combination Concrete & Terra Cotta), 26 Cortlandt, New York
Camp Conduit Co., 306 Marshall bldg, Cleveland, O.
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Wickwire Spencer Steel Corp., Worcester, Mass.
Consolidated Expanded Metal Co.'s, Braddock, Pa.
Corrugated Bar. Co. ("Corr-Mesh" Partitions), Mutual Life bldg, Buffalo, N. Y.
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa.
Expanded Metal Engineering Co., 8 W 40th, New York
Fleming & Co., 253 B'way, New York
General Fireproofing Co., Youngstown, O.
Goldsmith Metal Lath Co., 53 Central av, Cincinnati, O.
Gypsite Fireproofing Co. ("Gypsite" Partitions Only), Penobscot bldg., Detroit, Mich.
Gypsum Fireproofing Co. (Partitions & Roofs Only), 205 W Monroe, Chicago, Ill.
Idealite Co. (Carborundum), Cincinnati, O.
Keystone Fireproofing Co. ("Keystone" Gypsum), Chester, Pa.
Maurer Henry & Son (The "Phoenix"), 420 E 23d, New York
Minnesota Fama Stonewood Co. ("Fama" Fire-Proof Gypsum Partition Tile), 1704 Rondo, St. Paul, Minn.
Moss J. E. Iron Wks., Wheeling, W. Va.
National Concrete Fire-Proofing Co., Citizens bldg, Cleveland, O.
National Fire Proofing Co., Fulton bldg, Pittsburgh, Pa.
Pennsylvania Fireproofing Co., Erie, Pa.
Plastone Co., Los Angeles, Cal.
Plymouth Gypsum Co. (Partitions Only), Fort Dodge, Ia.
Sanitary Fire Proofing & Contracting Co. ("Geraordts" Patent Fire Proof Blocks), 509 W 174th, New York
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Solar Metal Products Co. (Inc.) (Partitions Only), Columbus, O.
Steelite Co., 1902 W 77th, Cleveland, O.
Troy Fireproofing Co., Troy, N. Y.
Tucker Edw. A. Co., 101 Milk, Boston, Mass.
U. S. Gypsum Co. ("Pyrobar" Tile & "Jester Sackett" System), 205 W Monroe, Chicago, Ill.
White Fire Proof Construction Co., 286 5th av, New York

## 4780-1—Fire-Proof Hollow Tile

A. B. Fireproofing Co., 64 W Randolph, Chicago, Ill.
Akron Vitrified Clay Mfg. Co., Akron, O.
Alton Brick Co. (Backing-up tile, partition tile etc.), Alton, Ill.
American Clay Products Co., 175 5th av, New York
American Fire Brick Co. (Hollow Tile & "Denison" Interlocking), Spokane, Wash.
Ancho Brick Co., Ancho, N. M.
Ayer-McCarel, Reagan Clay Co., Brazil, Ind.
Bannon P. Pipe Co., Louisville, Ky.
Bradford Fireproofing Co., Bradford, Pa.
Brook Terra Cotta, Tile & Brick Co., Brook, Ind.
California Brick Co., Niles, Cal.
Camp Conduit Co., 306 Marshall bldg, Cleveland, O.
Catlin, R. H. Co., Wilmington, Del.
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Clark N. & Sons, 112 Natoma, San Francisco, Cal.
Clay Product Co., 175 W Jackson blvd, Chicago, Ill.
Columbus Fire & Face Brick Co., 16 So 3rd, Columbus, O.
Dennison Fire Proofing Co., Mason City, Ia.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Sewer Pipe & Clay Co., Denver, Colo.
Diamond Brick Co., Oak Hill, O.
Dickey W. S. Clay Mfg. Co., N. Y. Life bldg, Kansas City, Mo.
Far West Clay Co., Tacoma, Wash.
Gladding, McBean & Co., Croker bldg, San Francisco, Cal. Works: Lincoln, Cal.
Gypsum Fireproofing Co., 205 W Monroe, Chicago, Ill.
Heath-Unit Tile Co., Nat'l Realty bldg, Tacoma, Wash.
Illinois Terra Cotta Lumber Co., 119th & Calu, Lake, Chicago, Ill.
Laclede-Christy Clay Products Co., Railway Exch. bldg, St. Louis, Mo.
Los Angeles Pressed Brick Co., Los Angeles, Cal.
National Fire Proofing Co., Fulton bldg, Pittsburgh, Pa.
Maurer Henry & Son, 420 E 23d, New York
Oconee Brick & Tile Co., Milledgeville, Ga.
Ohio Clay Co. ("Dennison" Interlocking), Guardian bldg, Cleveland, O.
Ohio Fireproofing Co., Nelsonville, O.
Parker-Russell Mining & Mfg. Co., Laclede Gas Light bldg, St. Louis, Mo.
Patton Clay Mfg. Co. (Cambria Co.), Patton, Pa.
Penna. Fireproofing Co. ("Pentex"), Erie, Pa.
Plymouth Gypsum Co. (Partition), Fort Dodge, Ia.
Rochester Brick & Tile Mfg. Co., Rochester, N. Y.
Stevens H. Sons Co., Macon, Ga.
Troy Fireproofing Co., Troy, N. Y.
United States Gypsum Co. ("Pyrobar" Gypsum Tile), 205 W Monroe, Chicago, Ill.
Vigo-Am. Clay Co., Terre Haute, Ind.
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.
Waynesfield Drain Tile Co., Waynesfield, O.
Whitacre-Greer Fireproofing Co., Waynesburg, O.

## Fire-Proof Wood Work

See Fire-Proofing of Wood

## 4782 — Fire-Proofing (Ferroinclave Steel Concrete)

Brown Hoisting Machinery Co., 4403 St Clair, Cleveland, O., & 50 Church, New York

## 4782a—*Fire-Proofing of Fabrics

**PRICE FIRE & WATER PROOFING CO.,** (All kinds), Poughkeepsie, N. Y.

## 4783—Fire-Proofing of Wood

Price Fire & Water Proofing Co., Poughkeepsie, N. Y.

## 4783a— Fireproofing (Liquid)

See also Compounds—Fireproofing

Internat'l Fireproofing Corp. ("Pyro Non"), 60 B'way, New York

## 4784—Fire-Proofing (Porous Terra Cotta)

See also Fire-Proof Hollow Tile
Camp Conduit Co., 306 Marshall bldg, Cleveland, O.
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Illinois Terra Cotta Lumber Co., 119th & Calu, Lake, Chicago, Ill.
Maurer Henry & Son, 420 E 23d, New York
National Fire Proofing Co. (Hollow Tile), Fulton bldg, Pittsburgh, Pa.
Parker-Russell Mining & Mfg. Co., Laclede Gas Light bldg, St. Louis, Mo.
Penna. Fireproofing Co., Erie, Pa.
Whitacre-Greer Fireproofing Co., Waynesburg, O.

## 4785— Fire Sand

Carborundum Co. (Carborundum & Aloxite, for Lining Oil Burning Furnaces, Forges, etc), Niagara Falls, N. Y.
Garden City Sand Co. (Dealers), Chamber of Commerce bldg, Chicago, Ill.
Gautier J. H. & Co., 1 Greene, Jersey City, N. J.
Maurer Henry & Son, 420 E 23d, New York
Mushet Co. W. E., 502 Mission, San Francisco, Cal.
Ohio Quarries Co., Citizens bldg, Cleveland, O.
Peekskill Fire Brick Works, Peekskill, N. Y.
Presbrey Stove Lining Co., Taunton, Mass.
Raritan Ridge Clay Co., Metuchen, N. J.
Valentine M. D. & Bro. Co., Woodbridge, N. J.
Whitehead Bros. Co., 537 W 27th, New York

## Fire-Sets (Brass & Iron)

See Fire Place Furnishings, Manufacturers

## 4786— Fireworks

Apelt-Hermann (Chinese Firecrackers) 76 Wall, New York
Connecticut Fireworks Co., West Haven, Conn.
Consolidated Fireworks Co. of America, 22 Park pl, New York.
Detwiller & Street Fireworks Mfg. Co., 22 Park pl, New York
Diehl H. P. Co., Lawrenceburg, Ind.
Due A. L. Fireworks Co., Market & North Reading, Cincinnati, O.
Fearon Brown Co. (Imp.), 96 Wall, New York
Hunt Edmund S. & Sons Co., Weymouth, Mass.
Lloyd Mfg. Co., 22 Park pl, New York
National Fireworks Distributing Co., 64 Sudbury, Boston, Mass.
Newton's Cal. Fireworks Co., 249 Front, San Francisco, Cal.
Rochester Fire Works Co., Rochester, N. Y.
St. Louis Fireworks Co., 822 N B'way, St. Louis, Mo.
Western Fireworks Co., Denver, Colo.
Willsons Fireworks Co., 146 Davis, San Francisco, Cal.

## 4787— *Fireworks Powder

**HERCULES POWDER CO.,** Wilmington, Del. *See adv index at end of book*

## 4787a—First Aid Room Equipment

Holz & Co., Inc., 18 Madison av, New York
*See adv index at end of book*
Sanitas Mfg. Co. ("Sanitas" for Manufacturing Plants)

## 4787b— *Fish Flakes

Wickwire Spencer Steel Corp., ("Excelsior"), Worcester, Mass.
*See adv index at end of book*

## 4788— Fish Hook Mfrs.

Redifor Rod & Reel Co. ("O'Shaughnessy," "Pennell"), Warren, O.

## 4789— Fish Line Mfrs.

A. A. A. Spooling & Winding Co. (Cotton), Auburn, R. I.
Allen J. & S. (Est. of), (Cotton & Linen), Walpole, Mass.
Ashaway Line & Twine Mfg. Co. ("Joseph Jefferson," "Swastika," "Cuttykunk," "Reliance," "Best Bass," "Superior" & "Standard" Braided & Twisted Silk, Linen & Cotton), Ashaway, R. I.
Barbour Flax Spinning Co. (Linen), Paterson, N. J.
Barrows Mfg. Co. (Cotton, Linen & Silk), Lansdale, Pa.
Beebe Cordage Co. (Cotton), Rockaway, N. J.
Burnham L. A. & Co. (Cotton), Gloucester, Mass.
Chaffee Mfg. Co. ("Chaffee" Silk), Willimantic, Conn.
Cohankus Mfg. Co. (Trout Lines), Paducah, Ky.
Cortland Line Co., Inc. (Silk Braided), Cortland, N. Y.
Draper W. H. & Sons (Braided & Twisted Cotton, Linen & Silk), Troy, N. Y.
Duff Chas. H. (Silk), Rockland, Me.
Gladding B. F. & Co. (Braided & Twisted Cotton, Linen & Silk), South Otselic, N. Y.
Hall A. G. (Braided & Twisted Cotton, Linen & Silk), Highland Mills, N. Y.
Holden James (Cotton), Fall River, Mass.
Hooper Sons Mfg. Co. (Cotton), Juniper & Cherry, Phila., Pa.
Lees Mfg. Co. (Cotton), Westport, Conn.
McComeskey Thos. (Cotton & Linens), 3731 Frankford av., Phila., Pa.
Mansfield G. H. & Co. (Braided Silk), Canton, Mass.
Martin's E. J. Sons ("Kingfisher" Braided Silk), Rockville, Conn.
Mears Improved Line Co. (Cotton), Gloucester, Mass.
Newton Line Co. (Cotton, Linen & Silk), Homer, N. Y.
Pawtucket Braided Line Co. (Braided Cotton, Linen & Silk), Pawtucket, R. I.
Royal River Mfg. & Power Co., Yarmouth, Me.
Tennessee Line & Twine Co. (Silk, Cotton & Linen), Elizabethton, Tenn.
Union Twine Co., Canochet, R. I.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wood T. H. Co. (Braided Silk), South Coventry, Conn.

## 4790— Fish Nets & Seines

American Net & Twine Co., 575 Atlantic av, Boston, Mass.
Barbour Flax Spinning Co., Paterson, N. J.
Ederer R. J. Co., 341 W Ohio, Chicago, Ill.
Elwell C. A., Gloucester, Mass.
Fowler Net & Twine Co., 107 S 2nd, Phila., Pa.
Gloucester Net & Twine Co., Gloucester, Mass.
Knox W. & J. Net & Twine Co., Johnson & Barney, Baltimore, Md.
Lees Mfg. Co., Westport, Conn.
Lichtenstein's L. Sons, Richmond, Va.
Linen Thread Co., 96 Franklin, New York
Lord H. & G. W. Co., Boston, Mass.
McClean C. & W. Merc. Co. ("Palmer's"), 1019 Washington av, St. Louis, Mo.
Reisner W. H. Mfg. Co. ("King" Minnows), Hagerstown, Md.

## 4791— Fishing Tackle Mfrs.

See also Reels, Fishing
Also Sporting & Athletic Goods Mfrs.

Abbey & Imbrie, 15 Warren, New York
Chester F. E. Mfg. Co. ("Redfield," Hollow Cork Fishing, Floats), 3 Pine, Providence, R. I.
Enterprise Mfg. Co., Akron, O.
Hildebrandt John J. Co. ("Hildebrandt," Spinneys, etc), Logansport, Ind.
Horrocks-Ibbotson Co. (Reels, etc), Utica, N. Y
Horton Mfg. Co. ("Bristol," "Rainbow," "Luckie," Steel Rods & Rod Mountings), Bristol, Conn.
Ideal Fishing Float Co., Richmond, Va.
Junod P. & Co., Celina, O.
Pepper Jno., Sr., Rome, N. Y.
Redifor Rod & Reel Co. (Rods, Reels, Fish Stringers, Gaff Hooks, Connecting Links, Bass Bait & Flies, etc), Warren, O.
St. Charles Net & Hammock Co., St. Charles, Ill.
Shakespeare Co., Kalamzoo, Mich.
South Bend Bait Co., South Bend, Ind.
Vom Hofe Edward & Co., 112 Fulton, New York
Treman, King & Co. ("White Hat" Bait, etc), Ithaca, N. Y.
Wilson Thos. E. & Co. (Imp.), 727 N Sangamon, Chicago, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Woods F. C. & Co. (Expert Bait), Alliance, O.

## 4792— Fittings (Acid Metal)

**ACHESON MFG. CO.**, Rankin, Pa.
*See adv index at end of book*
Aterite M. H. Co. Inc., 55 John, New York
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Eastwood Wire Mfg. Co., Belleville, N. J.
**LUNKENHEIMER CO.**, Executive offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 4793— Fittings (Air Brake)

Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Litchfield Foundry & Mach. Co., Litchfield, Ill.
Pittsburgh Malleable Iron Co., 34th & Smallman, Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Western Railway Equipment Co., Central Natl. Bank bldg, St. Louis, Mo.
**WESTINGHOUSE AIR BRAKE CO.**, Pittsburgh, Pa.
**WESTINGHOUSE TRACTION BRAKE CO.**, Pittsburgh, Pa.

## 4794— Fittings (Ammonia)

Arctic Ice Machine Co., Canton, O.
Baker Ice Machine Co., Omaha, Neb.
Bonney Vise & Tool Works, Inc. (Pipe), Allentown, Pa.
*See adv index at end of book*
Braman, Dow Co., 239 Causeway, Boston, Mass.
Brunswick Refrigerating Co., New Brunswick, N. J.
Columbus Iron Works, Columbus, Ga.
Crane Co. (Est. 1855), 836 S Mich. av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Flagg Stanley G. & Co., Morris bldg., Phila., Pa.
Frick Co., Waynesboro, Pa.
Great Lakes Engineering Works (Semi-Steel), Real Est. Exch. bldg, Detroit, Mich.
Ice & Cold Machine Co., 3003 N B'way, St. Louis, Mo.
Kelly & Jones Co. (Mall. Iron), 135 Water, Pittsburgh, Pa.
**LUNKENHEIMER CO.**, Executive offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Nason Mfg. Co., 71 Fulton, New York
Niebling F. W. Co., W 6th & Baymiller, Cincinnati, O.
Ruemmell-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Shipley Constr. & Supply Co., ft of Warren, Brooklyn, N. Y.
Tight Joint Co. ("Folly's" Patent), 310 E 47th, New York
Triumph Ice Machine Co. (Steel), Oakley, Cincinnati, O.
**VILTER MFG. CO.**, 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Wegner Machine Co., Buffalo, N. Y.
York Mfg. Co., York, Pa.
Williams J. H. & Co. (Flanges & Ferrule Forgings), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 4795—Fittings (Awning Frame)

Pancoast Henry B. Co., 950 N Front, Phila., Pa.

## 4796— Fittings (Bakers' Oven)

Robson Chas. & Co., 8th & Washington av, Philadelphia, Pa.
Watkins Jas. Y. & Son, 20 Catherine, New York

## 4797—Fittings (Bath, Supply & Waste)

Blasier-Sanborn Mfg. Co., Utica, N. Y.
Central Brass Mfg. Co. ("Central"), 6206 Cedar, Cleveland, O.
D. C. Mfg. Co. ("D. C."), Canton, O.
Dubois F. N. & Co. ("Apex"), 247 9th av, New York
Edwardsville Brass Co., Edwardsville, Ill.
Elgin Brass Co., 21 Park row, New York
Haydenville Co., Haydenville, Mass.
Mueller H. Mfg. Co., Decatur, Ill.
Reid Brass Mfg. Co., 595 Kent av, Brooklyn, N. Y.
United Brass Mfg. Co. ("United"), 3844 Hamilton av, Cleveland, O.
Weiskittle A & Sons Co., 12th & E Lombard, Baltimore, Ind.
Whitlock Coil Pipe Co., Hartford, Conn.
Wise J. B., Inc. ("Wisco"), Watertown, N. Y.

## 4798— Fittings (Brass Pipe)

**ACHESON MFG. CO.**, Rankin, Pa.
*See adv index at end of book*
American Brass & Copper Co., 138 Lafayette, New York
**ATLAS COPPER & BRASS MFG. CO.**, 2734 High, Chicago, Ill.
*See adv index at end of book*
Barrett James Mfg. Co., 117 Pearl, Boston, Mass.
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Bridgman Bros. Co. (Extra Heavy Screwed & Flanged), 131 S 31st, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 836 S Mich. av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Detroit Lubricator Co., Detroit, Mich.
Detroit Sanitary Supply Co., 1191 Second, Detroit, Mich.
Eastwood Wire Mfg. Co., Belleville, N. J.
Fewless-Leen Brass & Iron Co., 610 E. Front, Cincinnati, O.
General Fire Extinguisher Co., Providence, R. I.
Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
Hancock Mfg. Co., Charlotte, Mich.
Harris Arthur & Co., 212 N Curtis, Chicago, Ill. *See adv index at end of book*
Haydenville Co., Haydenville, Mass.
Hoffmann B. Mfg. Co., 257 6th, Milwaukee, Wis.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Jenkins Mfg. Co., Bloomfield, N. J.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kinsey & Mahler Co., Peoria, Ill.
Knight R. W. B., 169 Dorrance, Providence, R. I.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Leslie Co. (High Pressure Steam), Lyndhurst, N. J.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, Ohio
*See adv index at end of book*
McCambridge Co., 315 No 20th, Phila., Pa.
McMann & Taylor Co., 104 John, New York
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.**, 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.

FITTINGS (BRASS PIPE)—continued

Mott J. L. Iron Works, Trenton, N. J.
Mueller H. Mfg. Co., Decatur, Ill.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
**NEWMAN MFG. CO.**, 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Saul Eugene C., Monadnock bldg, San Francisco, Cal.
Schaad, Paul, 179 Pearl, New York
Shaw Benj F. Co. (Cast Iron & Cast Steel), Wilmington, Del.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Speakman Supply & Pipe Co., Wilmington, Del.
Stebbins E. Mfg. Co., Springfield, Mass.
Twentieth Century Brass Works, 514 Fifth av S, Minneapolis, Minn
United Lined Tube & Valve Co., 180 Franklin, Boston, Mass.
Walworth Mfg. Co., Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

## 4799—Fittings (Brass Pipe Railing)

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
Am. Safety Lamp & Mine Supply Co., Scranton, Pa.
Crane Co., (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Devlin Thomas Mfg. Co., 3rd & Lehigh av, Phila., Pa.
General Fire Extinguisher Co., Providence R. I.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Jenkins Mfg. Co., Bloomfield, N. J.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
New York Brass Foundry Co., 403 Broome, New York
Pittsburgh Brass Mfg. Co., Penn & 32d, Pittsburgh, Pa.

## 4799a— Fittings (Brine)

Triumph Ice Machine Co., Oakley, Cincinnati, O.
York Mfg. Co., York, Pa.

## 4800-1—Fittings (Bronze)

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
Eastwood Wire Mfg. Co., Belleville, N. J.
Kaltenthaler H. J., 234 Cherry, Phila., Pa
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, Ohio.
*See adv index at end of book*
McRae & Roberts Co, 1-7 Campbell av Detroit, Mich.
*See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Portland Co., Portland, Me

## 4802—Fittings (Cast Iron, for Gas & Water Mains)

**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Central Foundry Co., 90 West, New York
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Davies & Thomas Co., Catasauqua, Pa.
General Fire Extinguisher Co., Providence, R. I.
Hercules Foundry Co., Boyle & Slawson avs, Los Angeles, Cal.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Robinson Plumbing Supply Co. (Jobber), St. Paul, Minn.
Smith A. P. Mfg. Co., East Orange, N. J.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## Fittings (Cast Iron Pipe)

See Fittings, Pipe

## 4803— Fittings (Cast Steel)

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Crane Co. (Est. 1855), 836 S Mich. av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Hempfield Foundry, Greensburg, Pa.
Kaltenthaler H. J., 234 Cherry, Phila., Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Wharton Wm. Jr. & Co., Inc. (Heavy), Easton, Pa.

## 4804— Fittings (Conduit)

Adapti Mfg. Co., 919 West, Cleveland, O.
American Conduit Mfg. Co., Keystone bldg, Pittsburgh, Pa.
Appleton Electric Co. ("Appleton" "Unilets"), Wellington & Paulina, Chicago, Ill.
Cap-Swivel Let Co., Warren, R. I.
Central Tube Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.
Fairmount Electric & Mfg. Co. ("Bendhicks," "Arclets"), 59th & Woodland av, Phila., Pa.
Gillette-Vibber Co. ("G. V."), New London, Conn.
Multi Electrical Mfg. Co. ("Multi"), 703 Fulton, Chicago, Ill.
Rattan Mfg. Co., New Haven, Conn.
Steel City Electric Co. ("Ovalduct"), Marchand" & "Star"), 1207 Columbus av, Pittsburgh, Pa.
Thomas & Betts Co. ("Erickson" Couplings), 63 Vesey, New York
V V Fittings Co. ("V V"), 1906 N 6th, Phila., Pa.
Walker Henry L. Co., 185 E Jefferson av, Detroit, Mich.

## 4805— Fittings (Cross Over)

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
Fee & Mason, 81 Beekman, New York
Flagg Stanley G. & Co. (Malleable Iron), Morris bldg, Phila., Pa.
Grabler Mfg. Co., Cleveland, O.
Kaltenthaler H. J., 234 Cherry, Phila., Pa.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.

## 4806— Fittings (Drainage)

Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
Crane Co. (Est. 1855), 836 S Mich. av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Essex Foundry (Cast Iron Screwed for Wrought Iron Pipe), Murray, Newark, N. J.
Eureka Mfg. Co., Indiapolis, Ind.
Glenn Fred E., St. Charles, Ill.
Kelly & Jones Co. (Cast Iron, etc), 135 Water, Pittsburgh, Pa.
Larkin J. K. & Co. (Pipe), 34 Reade, New York. *See adv index at end of book*
McMann & Taylor Co., 104 John, New York
*See adv index at end of book*
McNab & Harlin Mfg. Co. (Brass & Iron, Black & Galvanized), 55 John, New York & Paterson, N. J.
Maco Products Corp., 154 Nassau, New York
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
National Foundry Co. (1¼ to 6 inches), 10 Sanford, Brooklyn, N. Y.
New York Brass Foundry Co., 403 Broome, New York
Prier Brass Mfg. Co. ("Sieben" Combination), Kansas City, Mo.
**STOCKHAM PIPE & FITTINGS CO.** (Cast Iron), Birmingham, Ala.
Turl Engng. Wks., Inc., 39 Cortlandt, New York
United Iron Works, Oakland, Cal.

## Fittings (Electric Porcelain)

See Porcelain Specialties, Electric & Mechanical

## 4807— Fittings (Electrical)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Syracuse Supply Co., Syracuse, N. Y.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Waterbury Button Corporation (Electric Instruments), 831 S Main, Waterbury, Conn. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 4808— Fittings (Ell)

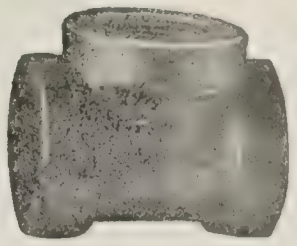
Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
Edwardsville Brass Co. (Flush & Closet), Edwardsville, Ill.
Eureka Brass Works (Union Ells), 1040 Hulbert av, Cincinnati, O.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
Standard Brass Mfg. Co., Utica, N. Y.

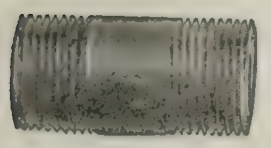
## 4809— Fittings (Flanged)

American District Steam Co., North Tonawanda, N. Y.
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
**AMERICAN SPIRAL PIPE WORKS** (Forged Steel Pipe Flanges), Chicago, Ill. *See adv index at end of book*
Birdsboro Steel Foundry & Machine Co. (Iron, Steel & Semi-Steel), Birdsboro, Pa.
Columbus Iron Works (Heavy), Columbus, Ga.
Crane Co. (Est. 1855) (High, Medium or Low Pressure), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crook H. E. Co., Inc. (Cast Iron), 28 Light Baltimore, Md.
Davies & Thomas Co. (Cast Iron, for Gas & Water Pipe, etc), Catasauqua, Pa.
Direct Separator Co., Syracuse, N. Y
Essex Foundry (Cast Iron), Murray, Newark, N. J.
General Fire Extinguisher Co. (Cast Iron), Providence, R. I.
Georgia Iron Works (Pipe), Augusta, Ga.
Hoffmann B. Mfg. Co. (Cast Iron), 257 6th, Milwaukee, Wis.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kaltenthaler H. J. (Cast Iron, High & Low Pressure), 234 Cherry, Phila, Pa.
Kellogg M. W. Co., 90 West, New York
*See adv index at end of book*
Kelly & Jones Co. (Standard & Extra Heavy, Semi-Steel, Brass & Cast Malleable Iron), 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co. (Standard only), Elmira, N. Y. *See adv index at end of book*
Keystone Iron Works, 37th & Santa Fear, Los Angeles, Cal.
Kries Henry A. & Sons Co., 3 W Lombard, Baltimore, Md.
Larkin J. K. & Co. (Pipe), 34 Reade, New York. *See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

# A Dependable Line

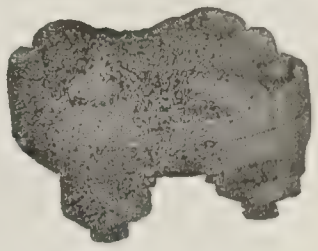
## *of* BRASS FITTINGS *and* PLUMBING SPECIALTIES

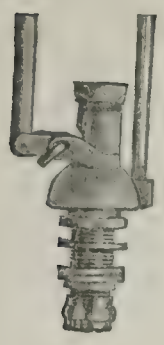




In the manufacture of Brass Goods exclusively, for Plumbing and Steam Fitting Engineers, quality has been our aim.

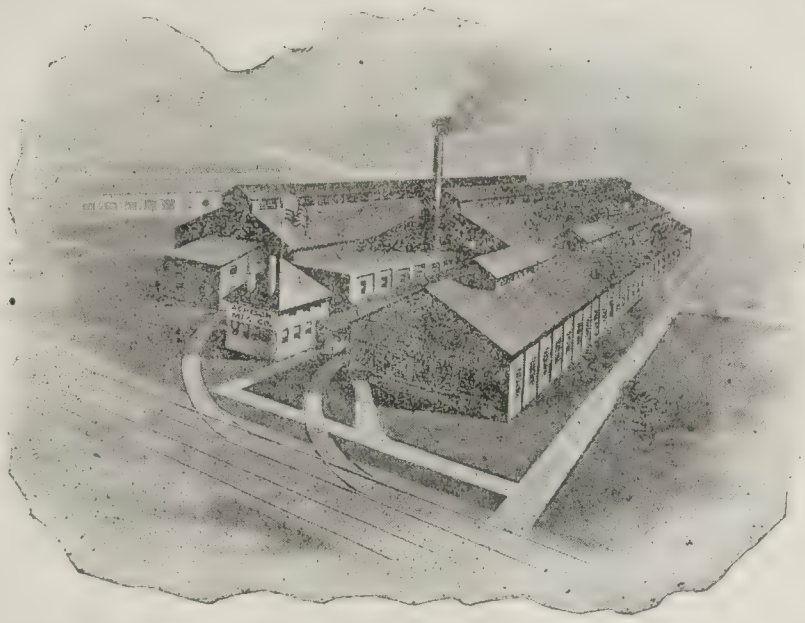
To maintain this high quality at prices in keeping with the market, necessitated an enormous quantity production, which we have attained by the employment of highly skilled mechanics and most up-to-date equipment.

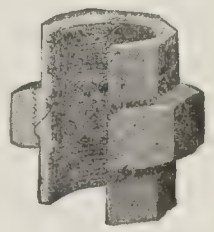


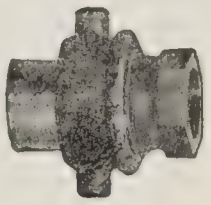


### Originators of the "Mansfield" Ball Cock

It has been our endeavor that all goods of our manufacture maintain the enviable reputation that our "Mansfield" Ball Cock has established with the result that the complete line we offer the trade is of a quality unsurpassed.



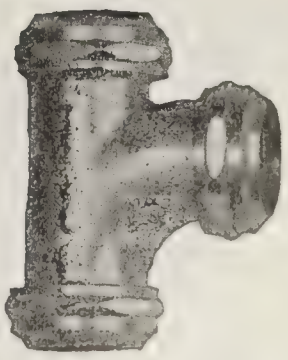




### Acid Metal

Any of our Brass Fittings or Unions, Standard or Extra Heavy, can be furnished, if desired, in our Special Acid Resisting metal.

Upon request, we shall be pleased to advise the adaptability of our acid resisting metal to your requirements.



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***Complete Catalog Sent Upon Request***

# ACHESON MFG. CO.

WORKS: RANKIN, PA. POST OFFICE: BRADDOCK, PA.

FITTINGS (FLANGED)—continued

McMann James R. Co., 56 Gold, New York
McMann & Taylor Co. (Jobbers), 104 John, New York. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Standard & Extra Heavy), 55 John, New York
Millar Chas. & Son Co., Utica, N. Y.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.
New Bedford Boiler & Machine Co., New Bedford, Mass.
Newbury J. H. (Cast), Goshen, N. Y.
New York Brass Foundry Co. (Brass), 403 Broome, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Philadelphia Roll & Machine Co. (Pipe), 25th & Washington av, Phila., Pa.
Pittsburgh Gage & Supply Co. (Cast Iron), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Piping & Equip. Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Reading Valve & Fittings Co. (Iron & Steel Pipe, Standard, Medium & Extra Heavy), Reading, Pa.
Shaw Benj. F. Co. (Cast Iron & Cast Steel), Wilmington, Del.
Shaw-Kendall Engng. Co., Toledo, O.
Standard Cast Iron Pipe & Foundry Co., Bristol, Pa.
Stein John J. (Steel Riveted), 30 Clay, Brooklyn, N. Y.
STOCKHAM PIPE & FITTINGS CO. (Cast Iron), Birmingham, Ala.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Walworth Mfg. Co., Boston, Mass.

## 4810—Fittings (Gas Fixture)

American Brass & Copper Co., 138 Lafayette, New York
Cleveland Gas & Electric Supply Co., 940 Prospect av, S E, Cleveland, O.
Fairmount Electric & Mfg. Co. ("Emery"), 59th & Woodland av, Phila., Pa.
Flagg Stanley G. & Co., Morris bldg, Phila., Pa.
General Fire Extinguisher Co., Providence, R. I.
Horn & Brannen Mfg. Co., 427 N Broad, Phila., Pa.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
Shapiro & Aronson, 20 Warren, New York
Standard Brass Works, 97 Wight, Detroit, Mich.
Utica Valve & Fixture Co., Utica, N. Y.
WATERBURY MFG. CO., Waterbury, Conn.
Williamson R. Co., 601 Washington blvd, Chicago, Ill.

## 4811— Fittings (Gas Line)

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
Hays Mfg. Co., Erie, Pa.
LUNKENHEIMER CO. Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R. Pittsburgh, Pa.
STOCKHAM PIPE & FITTINGS CO. (Cast Iron), Birmingham, Ala.

## 4812— Fittings (Green House)

Central Foundry Co. (Cast Iron), 90 West, New York
Coldwell-Wilcox Co. (Cast Iron), Newburgh, N. Y.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Glenn Fred. E., St. Charles, Ill.

## 4812a—Fittings (Hard Rubber)

India Rubber Co., New Brunswick, N. J.
Luzerne Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 B'way, New York

## Fittings (High Pressure)

See Fittings, Hydraulic

## 4813— Fittings (Hydraulic)

ACHESON MFG. CO., Rankin, Pa.
*See adv index at end of book*
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
AMERICAN SPIRAL PIPE WORKS, Chicago, Ill. *See adv index at end of book*
Buckeye Iron & Brass Works (Brass High Pressure), Dayton, O.
Edward Valve & Mfg. Co. ("Edward" Steel, High Pressure), Edison bldg., Chicago, Ill.
ELMES CHAS. F. ENGINEERING WORKS, INC., Cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
French Oil Mill Machinery Co., Piqua, O.
General Fire Extinguisher Co., Providence, R. I.
Hydraulic Press Mfg. Co. ("H-P-M"), Mt. Gilead, O. *See adv index at end of book*
Kelly & Jones Co. (Semi-Steel, Flanged), 135 Water, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
Malleable Iron Fittings Co. ("M. I. F. Co.," Steel & Malleable Iron), Branford, Conn.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
New York Brass Foundry Co., 403 Broome, New York
Oil Well Supply Co. (Cast Iron), 215 Water, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Shaw Benj. F. Co., Wilmington, Del.
Southwark Fdry. & Mach. Co., 430 Wash. av, Phila., Pa.
Tight Joint Co. ("Folly's" Patent), 310 E 47th, New York
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

## 4814—Fittings (Iron Railing)

Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Devlin Thos. Mfg. Co. (Adjustable, Malleable Iron), Lehigh av & 3rd, Phila., Pa.
Illinois Malleable Iron Co., 1801 Diversey, Chicago, Ill.
Kelly & Jones Co. (Malleable Iron, etc), 135 Water, Pittsburgh, Pa.
Malleable Iron Fittings Co, ("M. I. F. Co."), Branford, Conn.
McNab & Harlin Mfg. Co., 55 John, New York
Pancoast Henry B. Co. (Iron Pape, Malleable & Cast Iron & Brass), 950 N Front, Phila., Pa.

## 4814a— *Fittings (Lead)

CHEMICAL PUMP & VALVE CO., 327 Guilford, Perth Amboy, N. J.

## 4815— Fittings (Lead Lined)

Lead Lined Iron Pipe Co. (Brass & Iron), Wakefield, Mass.
United Lead Co., 111 B'way, New York

## 4815a—*Fittings (Malleable & Brass Railing)

Am. Safety Lamp & Mine Supply Co., Scranton, Pa.
Heath J. S. Co. (Brass Railing), Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*

## 4816— Fittings (Pipe)

See also Cast Iron Soil Pipe & Fittings; also Fittings, Various Kinds; also Unions

Abendroth & Root Mfg. Co. (Cast Iron Flanged), Newburgh, N. Y.
*See adv index at end of book*
ACHESON MFG. CO. (Brass), Rankin, Pa.
*See adv index at end of book*
A. & J. Mfg. Co., 559 W Lake, Chicago, Ill.
ALBERT & DAVIDSON, 256 & 264 Oakland, Brooklyn, N. Y.
*See adv index at end of book*
American District Steam Co., N. Tonawanda, N. Y.
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
AMERICAN SPIRAL PIPE WORKS (Large Cast Iron), Chicago, Ill.
*See adv index at end of book*
Aterite M. H. Co., Inc. (Acid), 55 John, New York
Belfield H Co. (Brass), 435 N Broad, Phila., Pa.
Bonney Vise & Tool Wks., Inc. (Pipe), Allentown, Pa.
*See adv index at end of book*
Builders' Iron Foundry (Cast Iron) ("Globe Specials"), 9 Codding, Providence, R. I.
Burrell D H. & Co. (Sanitary), Little Falls, N. Y.
Central Distributing Co., Jackson, Mich.
Central Foundry Co. (Cast Iron), 90 West, New York
Clow Jas. B. & Sons (Steam), Franklin & Harrison, Chicago, Ill.
Coldwell-Wilcox Co. ("Wilcox"), Newburgh, N. Y.
Columbus Brass Co. ("Abbott"), 538 Dublin av, Columbus, O.
*See adv index at end of book*
Crane Co. (Est. 1855) (Malleable & Cast Iron Screwed or Flanged), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Ltd. (Cast Iron), Williamsport, Pa.
Detroit Valve & Fittings & Detroit Brass Works (Malleable Iron), Wyandotte, Mich.
Devlin Thos. Mfg. Co. (Malleable Iron), 3d & Lehigh av, Phila., Pa.
Donovan R. J. Co., 217 Pearl, New York
Dunning Carl Supply Co. (Supplies), Indianapolis, Ind.
Flagg Stanley G. & Co. ("Keystone" Malleable Iron), Morris bldg, Phila., Pa.
Ford & Kendig Co. (Malleable & Cast Iron for Steam), 312 N 24th, Phila., Pa.
Fort Pitt Malleable Iron Co. (Malleable & Cast Iron), Thompson & Crawford, Pittsburgh, Pa.
Franklin Park Foundry Co., Franklin Park, Ill.
General Fire Extinguisher Co. (Brass & Iron), Providence, R. I.
Gilli Machine Co. (Cast Iron), Tonawanda, N. Y.
Glamorgan Pipe & Foundry Co. (Cast Iron), Lynchburg, Va.
Glenn Fred. E. (Cast Iron), St. Charles, Ill.
Grabler Mfg. Co. (Malleable Iron), Cleveland, O.
Gwilliam Supply Co., 828 N Hancock, Phila., Pa.
Hempfield Foundry, Greensburg, Pa.
Hercules Foundry Co. (Cast Iron), Boyle & Slawson av, Los Angeles, Cal.
Hoffman B. Mfg. Co. (Cast Iron & Flanged), 257 6th, Milwaukee, Wis.
Illinois Malleable Iron Co. (Malleable & Cast Iron), 1801 Diversey blvd, Chicago, Ill.
Jarecki Mfg. Co. (Malleable & Cast Iron), Erie, Pa.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kelly & Jones Co. (Malleable & Cast Iron), 135 Water, Pittsburgh, Pa.
Kemp C. M. Mfg. Co. (Long Screw Pipe Connections), 405 E Oliver, Baltimore, Md.
Kroeschell Bros. Co. (Cast Iron), 440 W Erie, Chicago, Ill.
Kuhns Bros., Dayton, O
Larkin J. K. & Co. (Malleable Iron & Steam), 34 Reade, New York
*See adv index at end of book*
Limbert Geo. B. & Co., 558 Fulton, Chicago, Ill.
Litchfield Foundry & Machine Co. (Cast Iron), Litchfield, Ill.
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
Lumsden & Van Stone Co. ("Van Stone"), Dorchester, Boston, Mass.
LUNKENHEIMER CO. (Brass), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McMann James R. Co., 56 Gold, New York
McMann Supply Co. (Iron), 319 Pearl, New York
McMANN & TAYLOR CO., 104 John, New York. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Cast & Malleable Iron), 55 John, New York

Malleable Iron Fittings Co. "M. I. F." Co.," Malleable Iron), Branford, Conn.
Milleer-Enwright Co., Sacramento, Cal.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
Newbury J. G. Iron Works, Coxsackie, N. Y.
Newbury Jay H. (Cast Iron), Goshen, N. Y.
Nordeen Foundry Co., Everett, Wash.
Oil Well Supply Co. (Malleable & Cast Iron), 215 Water, Pittsburgh, Pa.
Pancoast Henry B. Co. (Malleable Iron), 950 N Front, Phila., Pa.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Reading Valve & Fittings Co. (Steel & Iron Screwed, Standard Medium & Extra Heavy), Reading, Pa.
Richardson-Phenix Co. ("R. P. Union-Cinch," Threadless, Clamps the Pipe), 131 2d, Milwaukee, Wis.
Rhode Island Fittings Co., Hills Grove, R. I.
Roe & Conover (Steam, Gas & Water Pipe & Fittings), 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Sacramento Pipe Works, Sacramento, Cal.
Schaw-Batcher Co., Sacramento, Cal.
Selah Mfg. Co. (Threadless), Green & Columbia, Newark, N. J.
Shaw Benj. F. Co., Wilmington, Del.
Shaw-Kendall Engng. Co. (Jobbers), Toledo, O.
Sherman H. B. Mfg. Co. (Brass), Battle Creek, Mich.
SIMMONS JOHN CO., 110 Centre, New York *See adv index at end of book*
South Park Foundry & Machine Co. (Cast Iron Flanged Pipe & Fittings), St. Paul, Minn.
STOCKHAM PIPE & FITTINGS CO. (Cast Iron), Birmingham, Ala.
Tamaqua Mfg. Co. (Cast Iron), Tamaqua, Pa.
Thompson-Diggs Co., Sacramento, Cal.
Thompson J. & Co., Van Horn & Sophia, Phila., Pa.
Threadless Pipe Fitting Co., 30 Columbia, Newark, N. J.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Walraven Co., 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walworth Mfg. Co. (Malleable & Cast Iron), Boston, Mass.
Waterbury Mfg. Co., Waterbury, Conn.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 4817— Fittings (Pump)

Buffalo Steam Pump Co., Buffalo, N. Y.
Challenge Co., Batavia, Ill.
Elmes Chas. F. Engineering Wks., cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Goulds Mfg. Co., Seneca Falls, N. Y.
*See adv index at end of book*
Rumsey Pump Co., Ltd., Seneca Falls, N. Y.
Simmons John Co., 110 Center, New York
*See adv index at end of book*
U. S. Wind Engine & Pump Co., Batavia, Ill.

## 4818—Fittings (Push Button, Closet Tank)

Attwood Brass Works, Grand Rapids, Mich.
Exeter Brass Works, Exeter, N. H.
Frost Mfg. Co., Kenosha, Wis.

## Fittings (Railing)

See Fittings, Brass Pipe Railing; also Fittings, Iron Railing

## 4819— *Fittings (Semi-Steel)

Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## Fittings (Soil Pipe)

See Cast Iron Soil Pipe & Fittings Manufacturers

## 4820—Fittings (Switchboard Pipe)

Electrical Engineers Equipment Co. (Malleable Iron), 711 Meridian, Chicago, Ill.
Selah Mfg. Co. (Threadless), Green & Columbia, Newark, N. J.

## 4821— Fittings (Tight Joint)

Tight Joint Co. ("Folly's" for Steam, Hydraulic, Ammonia, Compressed Air, etc), 310 E 47th, New York

## 4822— Fittings (Vent)

ACHESON MFG. CO. (Brass), Rankin, Pa.
*See adv index at end of book*
Prier Brass Mfg. Co., Kansas City, Mo.
Essex Foundry, Newark, N. J.
Haydenville Co., Haydenville, Mass.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Prier Brass Mfg. Co., Kansas City, Mo.
Swett A. L. Iron Works, Medina, N. Y.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Wolverine Brass Works, Grand Rapids, Mich.

## 4822a— Fittings (Wire Rope)

Marine Hardware-Equipment Co., South Portland, Maine
*See adv index at end of book*

WIRE ROPE FITTINGS
Thimbles, Turnbuckles,
Shackles, Hooks,
Socket Bolts, etc.
Marine Hardware-Equipment Co.
South Portland, Me.

Wilcox, Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
*See adv index at end of book*

Wire Rope Fittings
Shackles, Turnbuckles,
Thimbles, Hooks, Etc.
Wilcox, Crittenden & Co., Inc.
444 So. Main St., Middletown, Conn.

## 4823— *Fittings (Y)

LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Service Engineering Co., 25 Church, New York

## 4824—Fixtures (Bank, Office & Store)

### Cabinet Wood-Work

Aetna Cabinet Co., Indianapolis, Ind.
American Bank Protection Co. (Steel), 1201 S 3rd, Minneapolis, Minn.
American Sash & Door Co., Kansas City, Mo.
Andrews A. H. Co., 107 Wabash av, Chicago, Ill.
Armstrong, Landon Co., Kokomo, Ind.
Ayers-Cihlar-Ransom Co., 726 S Desplaines, Chicago, Ill.
Bloom Alfred Co., Omaha, Neb.
Budde & Weis Mfg. Co., Jackson, Tenn.
Bush Jas. S. Co., 239 B'way, New York
California Show Case Co., Los Angeles, Cal.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carr & Baal Co., Des Moines, Ia.
Carter Mfg. Co., Keokuk, Ia.
Chryster & Koppin (Store), 819 W Warren av, Detroit, Mich.
Cleveland Store Fixture Co., 1305 E 40th, Cleveland, O.
Cole Mfg. Co., Memphis, Tenn.
Columbia Lumber & Mfg. Co., Columbia, S. C.
Corlett Planing Mill Co., Napa, Cal.
Crescent Mfg. Co., Louisville, Ky.
Curtis Bros. & Co., Clinton, Ia.
Decatur Fountain Co., Decatur, Ill.
Derby Desk Co., Somerville, Mass.
Doten-Dunton Desk Co., 25 Arch, Boston, Mass.
Ehrlich H. & Sons Mfg. Co., St. Joseph, Mo.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Federal Equipment Co., Carlisle, Pa.
Federal Steel Fixture Co., 8700 S. Halsted, Chicago, Ill.
Fielder & Allen Co., Atlanta, Ga.
Forbes A. J. & Son, 1530 Filbert, San Francisco, Cal.
Fridman Lumber Co., New Richmond, O.
Gloekler Bernard Co., 1127 Penn av, Pittsburgh, Pa.
Gordon, Vantine Co., Davenport, Ia.
Grand Rapids Show Case Co. (Wood, Store Only), Grand Rapids, Mich.
Gribben Lumber Co., Chicago & Walker, St. Paul, Minn.
Hagerstown Mantel & Furniture Co., Hagerstown, Md.
Hamburger E. & Co., 139 Emerson pl, Brooklyn, N. Y.
Himmel M. L. & Son, 113 Gay, Baltimore, Md.
Huck Mfg. Co., Quincy, Ill.
Illinois School Furniture Co. (Plain & Quartered Oak & Imitation Mahogany), Rockford, Ill.
Improved Office Partition Co., Broome & Clark, New York
Inter-Ocean Cabinet Co. (Bakers), 320 S Paulina, Chicago, Ill.
Jackson A. R. Kansas City Show Case Works Co., 620 E 3d, Kansas City, Mo.
Johannesen Mfg. Co., Erie, Pa.
Johnson Albert & Co., 131 Border, E Boston, Mass.
Kaaz Mfg. Co., Atchison, Kan.
Kleeman W. & Co., 101 Park av, New York
Knittel Jos. Show Case Co., Quincy, Ill.
Knoff Mfg. Co., Mankato, Minn.
Koehler & Hinrichs, St. Paul, Minn.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
Lookout Planing Mills, Chattanooga, Tenn.
McLean W. B. Mfg. Co. (Store Only), ("Good"), 729 Herron av, Pittsburgh, Pa.
Maclean J. S., Spring & Water, Columbus, O.
Mailander Co., Waco, Texas
Markert Mfg. Co., Syracuse, N. Y.
Marysville Cabinet Co., Marysville, O.
Moline Furniture Works, Moline, Ill.
Moore Mfg. Co., Springfield, Mo.
Morgan Lumber & Mfg. Co., Charleston, W. Va.
Multiplex Display Fixture Co. (Automatic Display), 918 N 10th, St. Louis, Mo.
National Show Case Co., Columbus, Ga.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
New York Store Fixture Co., 5 E 137th, New York
New York Wood Working Corp., 502 E 19th, New York
Northwestern Furniture Co., 271 W Water, Milwaukee, Wis.
Northwestern Marble & Tile Co., 27th av S & 27th, Minneapolis, Minn.
Ohmer's M. Sons Co., Dayton, O.
Phoenix Furniture Co., Eau Claire, Wis.
Rochester Show Case Works, Rochester, N. Y.
St. Louis Bank Equipment Co., 811 Walnut, St. Louis, Mo.
Schick-Johnson Co., 1737 N Paulina, Chicago, Ill.
Schmid John 58 Oak, San Francisco, Cal.
Schwarzwaelder W. & Co., Chichester, N. Y.
Segale Mfg. Co., 68 E Spring, Columbus, O.
Shaw Furniture Co., Cambridge, Mass.
Sjostrom John E. Co., 1715 N 10th, Phila., Pa.
Skow Mfg. Co., Newton, Ia.
Southern Seating & Cabinet Co., Jackson, Tenn.
Springfield Pl'g Mill, Lumber & Constr. Co., Springfield, Mo.
Standard Mfg. Co., Appleton, Wis.
Steel Equipment Corp., Avenel, N. J.
Stillwater Mfg. Co., Stillwater, Minn.
Storandt J. W. Mfg. Co., Rochester, N. Y.

FIXTURES (BANK, OFFICE & STORE) —continued

**Stow & Davis Furniture Co., Grand Rapids, Mich.**
**Taylor Wm. M. Mantel & Grate Co.** (Wood), 331 S Hill, Columbus, O.
**Toledo Desk & Fixture Co., Toledo, O.**
**Walrus Mfg. Co., Decatur, Ill.**
**Wearin J. H. & Co., Charlotte, N. C.**
Weary & Alford Co., 1732 Michigan av, Chicago, Ill.
West Woodworking Co., 308 Nada, Chicago, Ill.
Huttig Mill Works Co., Kansas City, Mo.
Whitcomb Cabinet Co., Kansas City, Mo.
Williams & Hunting Co., Cedar Rapids, Ia.
Winter Co., Sheboygan, Wis.
Wisconsin Iron & Wire Co., Milwaukee, Wis.
Wollaeger Mfg. Co., 28 Juneau av, Milwaukee, Wis.
Yawman & Erbe Mfg. Co., Rochester, N. Y.

## 4824a— *Fixtures (Bronze)

Heath J S Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Herwig Art Shade & Lamps Co., 2140 N Halsted, Chicago, Ill.
*See adv index at end of book*

## Fixtures (Car Door)

See Car Doors & Fittings

## 4824a1—Fixtures (Cellar Window)

See also Cellar Window Sets

McKinney Mfg. Co., Locust, Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 4824b—*Fixtures (Display Revolving)

**Newman Mfg. Co., 717 Sycamore, Cincinnati, O., & 68 W Washington, Chicago, Ill.** *See adv index at end of book*

## 4824c—Fixtures (Display Window, etc.)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
National X-Ray Reflector Co., 233 W Jackson blvd, Chicago, Ill.

## 4825—Fixtures (Electric, Adjustable Wall & Ceiling)

**Adjustable Fixture Co., 305 Mfgrs. Home, Milwaukee, Wis.**
**Bryant Electric Co., Bridgeport, Conn.**
Coffin Valve Co. ("Neponset"), Neponset, Boston, Mass.
Faries Mfg. Co., Decatur, Ill.
**Forg Peter Mfg. Co., Somerville, Mass.**
**Franklin Specialty Mfg. Co.** ("Anderson" Adjustable), 710 Eddy bldg, Providence, R. I.
**Franks W. S. Mfg. Co., Rock Island, Ill.**
Hawker W. S. Mfg. Co., 458 E Bacon, Dayton, O.
**Herwig Art Shade & Lamp Co., 2140 N Halsted, Chicago, Ill.**
*See adv index at end of book*
**Hill, W. H., Cambridge Springs, Pa.**
**Keith Mfg. Co., Clinton, N. Y.**
**Lindblad K. F. M., 65 Sudbury, Boston, Mass.**
**McCrosky Reamer Co., Meadville, Pa.**
**McFaddin H. G. & Co.** ("Mefcolite"), 38 Warren, New York

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**MORSE FRANK W.** ("Morse" For Factory & Shop Use Only), 289 Congress, **Boston, Mass.**
*See adv index at end of book*

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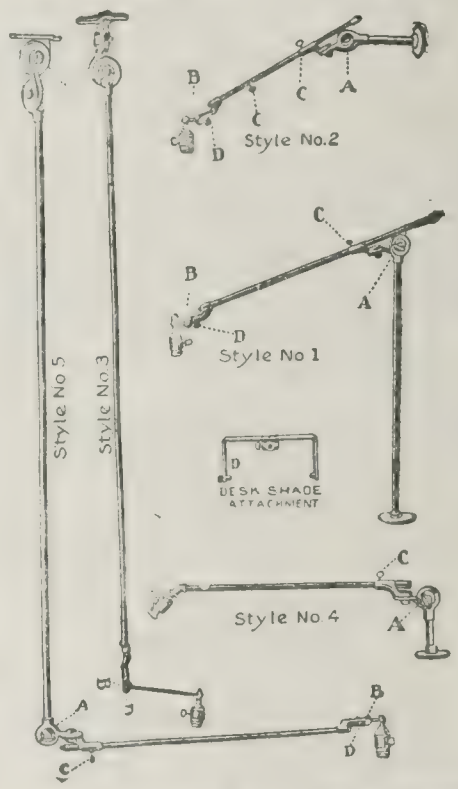


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National Plastic Relief Co., 30 Main, Cincinnati, O.
**Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 N Washington, Chicago, Ill.** *See adv index at end of book*
**Van Doren E. I., Troy, N. Y.**
**White O. C. Co., Worcester, Mass.**
Wormser Glass Co. (Ceiling Bowls), 2nd & Sylvan avs, Pittsburgh, Pa.
**Zang J. E., Johnstown, Pa.**

## 4826— Fixtures (Flag Pole)

**Driver John ("Boss"), San Leandro, Cal.**
Howes Forest E. ("Buckley Non-Tangle"), 263 Northampton, Boston, Mass.

## 4827—Fixtures (Hardware Display)

Fearon Brown Co. (Imp.), 96 Wall, New York
Garden City Plating & Mfg. Co., 1430 S Talman av, Chicago, Ill.
Knape & Vogt Mfg. Co. ("Ideal & Victor" Adjustable Standards & Brackets), Grand Rapids, Mich.
Multiplex Display Fixture Co. ("Multiplex"), 918 N 10th, St. Louis, Mo.
Warren J. D. Mfg. Co., 159 N State, Chicago, Ill.

## 4828— Fixtures (Hay Rack)

**MYERS, F. E. & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*
Pratt Wm. E. Mfg. Co. ("Hemm's"), 35 W Lake, Chicago, Ill.

## 4828a— Fixtures (Laboratory)

Alberene Stone Co., 223 E 23rd, New York
Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*

## 4829—*Fixtures (Liquid Soap)

Imperial Brass Mfg. Co. ("Watrous"), 524 S Racine av Chicago, Ill.
*See adv index at end of book*

LIQUID SOAP & FIXTURES
THE IMPERIAL BRASS MFG. CO.
CHICAGO

## 4830—*Fixtures (Outlet, Coal Chute)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

## 4831— Fixtures (Silo)

Iowa Tank & Silo Co., Waterloo, Iowa
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
New Monarch Machine & Stamping Co. (Iron & Steel), Des Moines, Iowa

## Fixtures (Store)

See Store & Bar Fixtures

## 4832-3—Fixtures (Street Lighting)

Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Harter Mfg. Co. ("Nitrolites," "Deluxlites"), 524 S Clinton, Chicago, Ill.

## 4834—Fixtures (Street Series, Electric Lamp)

Luminous Unit Co., Jefferson & Washington avs, St. Louis, Mo.
Philadelphia Electrical & Mfg. Co. ("Pemco"), 1236 N 31st, Phila., Pa.
Wheeler Reflector Co. ("Wheeler"), 156 Pearl, Boston, Mass.

## 4835—Fixtures (Tungsten Lamp)

Line Material Co., South Milwaukee, Wis.

## 4836— Fixtures (Tungstolier)

Tungstolier Works of General Elec. Co., Cleveland, O.

## 4836a—Fixtures (Wall, Sectional Interchangeable)

Grand Rapids Show Case Co., Grand Rapids, Mich.

## 4837— Flag Mfrs.

See also Bunting Mfrs.

American Flag Co., 73 Mercer, New York
American Flag Mfg. Co., Easton, Pa.
Anness H. W. & Co., 409 Pearl, New York
Annin & Co., 99 Fulton, New York
Betsey Ross Flag Co., Newburgh, N. Y.
**Central Railway Signal Co., 1st Natl. Bk. bldg, Pittsburgh, Pa.**
Channon H. Co., 150 N Market, Chicago, Ill.
Chicago Flag & Decorating Co., 1345 S Wabash av, Chicago, Ill.
Cincinnati Regalia Co., 4th & Elm, Cincinnati, O.
**De Grauw, Aymar & Co., 34 South, New York**
Dettra Jno. C. & Co., Oaks, Pa.
Geraghty & Co. (Pennant, Society, etc), 3035 W Lake, Chicago, Ill.
Goodell, Jas. M., Jr., Inc., 150 N Loramie, Chicago, Ill.
Goss J. C. Co., 16 E Woodbridge, Detroit, Mich.
Greenwood-Atkinson-Armstrong Co., 75 Woodward, Detroit, Mich.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Horstmann Wm. H. Co., 5th & Cherry, Phila., Pa.
Humphry's R. A. Sons, 1021 Callowhill, Phila., Pa.

Johnson John Co., 362 Gratiot, Detroit, Mich.
**Magee M. & Son, 147 Fulton, New York**
**Mills Andrew & Sons, 53 South, New York**
**National Flag Co., 1012 Flint, Cincinnati, O.**
**Pasquale B. Co., Inc., 115 Post, San Francisco, Cal.**
**Passaic Print Works (Cotton), Passaic, N. J.**
**Rehm & Co., 214 Washington, New York**
**Reproduction Co., 351 Jay, Brooklyn, N. Y.**
**Rowe E. L. & Son, Gloucester, Mass.**
**United States Flag Co., 329 Lock, Cincinnati, O.**
**Wales H. A. Co. (Who. Dlrs.), Bridgeport, Conn.**
Ward-Stilson Co. (Bunting), Anderson, Ind.
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.
**Whitehead & Hoag Co. (Banners), 272 Sussex av, Newark, N. J.**
Wyle J. J. & Bros. Inc. (Silk, also Banners), 20 E. 27th, New York

## 4837a— Flag Staffs

Bogert & Hopper, Inc. (Semaphore & Signal), 57 Barclay, New York
*See adv index at end of book*
Carr Elmer E. (Tilting Type), ("Carr")
Estes E B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.

## 4837b— Flag Stands

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.

## 4837c— Flagging Slate

Old English Slate Quarries, 10 Milk, Boston, Mass.

## 4838—Flags (Railway Signal, Etc.)

American Flag Mfg. Co., Easton, Pa.
Carpenter Geo. B. & Co. (All Kinds & Descriptions), 440 North Wells, Chicago, Ill.
Central R'way Signal Co., First National Bank bldg, Pittsburgh, Pa.
Handlan-Buck Mfg. Co. ("Prahm" & "Lanius" Metallic, also Bunting), 210-14 N 3rd, St. Louis, Mo.
Patton R. J. & Co., 222 E 4th, Cincinnati, O.
Weeks-Howe-Emerson Co., 90 Market, San Francisco, Cal.

## 4838a— Flakes (Naphthalene)

Barrett Co., 17 Battery pl, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Briggs Chemical Wks., Amherst, O.
Lambert Chemical Co., 400 N 3rd, St. Louis, Mo.
Rector Chemical Co., 2 Rector, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Stressen-Reuter & Hancock, Inc., 122 S Michigan av, Chicago, Ill.

## 4839— Flangers (Snow)

Q. & C. Co., 90 West, New York
**Russell Car & Snow Plow Co., Ridgway, Pa.**

## 4840— Flanges (Bibb)

**American Foundry & Mfg. Co., (Brass), 11th & Hebert, St. Louis, Mo.**
**American Pin Co. ("Ampinco"), Waterbury, Conn.**
**Glauber Brass Mfg. Co. (Brass), 494 Superior av, Cleveland, O.**
*See adv index at end of book*
Hays Mfg. Co., Erie, Pa.
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*

## 4840a— Flanges (Blind Pipe)

Pitts Valve Fdy. & Constr. Co., 26th & A. V. RR. Pittsburgh, Pa.

## 4841—Flanges (Boiler, Forged Steel)

**AMERICAN SPIRAL PIPE WORKS, Chicago, Ill.** *See adv index at end of book*
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Castle A. M. & Co. ("Castle"), 715 N. Morgan, Chicago, Ill.
Ryerson Jos. T. & Son, 910 Corn Exch. bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Sundberg Co., 1024 W Kinzie, Chicago, Ill.

## 4842— Flanges (Brass)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 N Washington, Chicago, Ill. *See adv index at end of book*
New York Brass Foundry Co., 403 Broome, New York
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*

## 4843—Flanges (Cast & Malleable Iron)

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
American Foundry & Mfg. Co. (Cast Iron), 11th & Hebert, St. Louis, Mo.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Donaldson Iron Co., Emaus, Pa.
General Fire Extinguisher Co. (Cast Iron Only), Providence, R. I.
Hays Mfg. Co. (Cast Iron), Erie, Pa.
Kaltenthaler H. J. (Grey & Gun Iron, Cast Steel & Bronze), 234 Cherry, Phila., Pa.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co. (Cast Only), Elmira, N. Y. *See adv index at end of book*
**LUNKENHEIMER CO.** (Cast) Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co." Mall.), Branford, Conn.
McNab & Harlin Mfg. Co., 55 John, New York
National Malleable Casting Co. (Malleable Iron), 7706 Platt, S E, Cleveland, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Philadelphia Roll & Machine Co. (Cast Iron & Steel), 25th & Washington av, Phila., Pa.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Reading Valve & Fittings Co., Reading, Pa.
Standard Cast Iron Pipe & Foundry Co. (Grey Iron), Bristol, Pa.

## 4844— Flanges (Companion)

American District Steam Co. (Slotted Angle & Adjustable Wedge), North Tonawanda, N. Y.
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Edward Valve & Mfg. Co. ("Edward" Heavy Forged Steel), Edison bldg, Chicago, Ill.
Essex Foundry, Murray, Newark, N. J.
Hershey Machine & Foundry Co., Manheim, Pa.
Kaltenthaler H. J., 234 Cherry, Phila., Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

## 4845—Flanges (Floor, Closet Connection)

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Fisher Specialty Co. (Jobbers), 326 Ogden av, Milwaukee, Wis.
Pittsburgh Brass Mfg. Co. (Brass), Penn & 32d, Pittsburgh, Pa.
Prier Brass Mfg. Co., Kansas City, Mo.
Standard Sanitary Mfg. Co. ("Durham" Ball Joint), Bessemer bldg, Pittsburgh, Pa.
Trenton Brass & Machine Co., Trenton, N. J.
Trenton Potteries Co. ("Donovan"), Trenton, N. J.

## 4846—Flanges (Floor & Ceiling)

Advance Mfg. Co., Erie, Pa.
American Brass & Copper Co. (Brass Floor Flanges), 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
Edwardsville Brass Co. (Closet Floor), Edwardsville, Ill.
Glenn Fred. E., St. Charles, Ill.
Hays Mfg. Co., Erie, Pa.
Modern Iron Works ("M. I. W."), Quincy, Ill.
Newbury J. H., Goshen, N. Y.
Pittsburgh Brass Mfg. (Brass Closet Floor), Penn & 32d, Pittsburgh, Pa.
Trenton Potteries Co. ("Donovan" Closet Floor), Trenton, N. J.
**U. S. EXPANSION BOLT CO.,** 25 Elm, New York *See adv index at end of book*
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*

## 4847— Flanges (Hub)

**AMERICAN SPIRAL PIPE WORKS** (Heavy Forged & Rolled Steel), Chicago, Ill. *See adv index at end of book*
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Bossert Corporation (The) (For Wood or Wire Automobile Wheels), Linden & West av, Utica, N. Y.
*See adv index at end of book*
Crosby Co., 183 Pratt, Buffalo, N. Y.
Detroit Pressed Steel Co. (Pressed Steel), 1800 Mt. Elliott av, Detroit, Mich.
Gier Pressed Steel Co., Lansing, Mich.
Hartford Machine Screw Co., Hartford, Conn.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hydraulic Pressed Steel Co., 3152 E 61st, Cleveland, O.
Mossberg Frank Co. (Automobile & Carriage), Attleboro, Mass.
National Malleable Castings Co., 7706 Platt, S E, Cleveland, O.
Oakes Co. (Automobile), Indianapolis, Ind.
**WORCESTER PRESSED STEEL CO.,** Worcester, Mass.
*See adv index at end of book*

## 4848— Flanges (Pipe)

See also Fittings, Flanged, also Fittings, Pipe
Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.
**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*
**BALLWOOD CO., THE,** 30 Church, New York *See adv index at end of book*
Bonney Vise & Tool Works, Allentown, Pa.
*See adv index at end of book*
Dart E. M. Mfg. Co. ("Dart"), 734 Thinten av, Providence, R. I.
*See adv index at end of book*
Dougherty M. J. Co., North Amer. bldg, Philadelphia, Pa.

FLANGES (PIPE)—continued

Fairbanks Co. ("Dart"), 416 Broome, New York

**Jefferson Union Co. ("Jefferson"), Lexington, Mass.**

**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**

**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

Nason Mfg. Co. (Jobbers), 71 Fulton, New York

**National Valve & Mfg. Co. (Cast Iron), 31st & Liberty, Pittsburgh, Pa.**

Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.

Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

Robertson Bros. Mfg. Co., 5401 S Western av, Chicago, Ill.
*See adv index at end of book*

Shaw Benj F. Co., Wilmington, Del.

Standard Steel Works Co (Steel), Morris bldg, Phila., Pa.

**Tamaqua Mfg. Co. (Cast Iron), Tamaqua, Pa.**

Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 4849—Flanges (Pipe, Forged Steel)

**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*

**BALLWOOD CO., THE,** 30 Church, New York *See adv index at end of book*

Bonney Vise & Tool Works, Allentown, Pa.
*See adv index at end of book*

Ladish Drop Forge Co., Cudahy, Wis.

Millersburg Fifth Wheel Co., Millersburg, Pa.

O'Leary Arthur J. & Son Co., 65th & 57th av, Chicago, Ill.

Railway Steel Spring Co., 30 Church, New York

Shaw Benj F. Co., Wilmington, Del.

Standard Steel Works Co., Morris bldg., Phila., Pa.

## 4850—Flanges (Pipe, Pressed Steel)

Central Iron & Steel Co., Harrisburg, Pa.

Glasgow Iron Co., Pottstown, Pa.

Lukens Steel Co., Coatesville, Pa.

Parish Supply & Mfg. Co. ("Quick Welding"), 2868 Quinn, Chicago, Ill.

## 4851—Flanges (Pipe, Rolled Steel)

American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.

**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*

**BALLWOOD CO., THE,** 30 Church, New York *See adv index at end of book*

Columbia Steel Co., Widener bldg, Phila., Pa.

Penna. Forge Co., Jenks & Bath, Phila., Pa.

Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.

Pittsburgh Valve, Foundry & Construc- Co., 26th & A. V. R. R., Pittsburgh, Pa.

Shaw Benj F. Co., Wilmington, Del.

Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 4852— Flanges (Pump)

Crestline Mfg. Co. ("Crestline" for Cased Wells), Crestline, O.

## 4853— Flanges (Railing)

Glauber Brass Mfg. Co., 49th & Superior av, Cleveland, O.
*See adv index at end of book*

Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.

## 4854— Flanges (Roof)

Acme Mfg. Co. ("Acme" Adjustable), Bangor, Me.

Bourneuf Louis Corp., Lynn, Mass.

Bullard Specialty Co. (Adjustable), Tiffin, O.

Davis-Watson Mfg. Co, ("Watson"), Nashua, N. H.

**Go-Ro Mfg. Co., 826 Baronne, New Orleans, La.**

Hessler H. E. Co. ("McGuire," "Star" Adjustable), Syracuse, N. Y.

Manchester J. B. Co., 190 Eddy, Providence, R. I.

Mechanicsville Specialty Mfg. Co., Mechanicsville, N. Y.

Prier Brass Mfg. Co. ("Flash," "S. M. S." Lead), Kansas City, Mo.

Simplex Mfg. Co., 313 S Clinton, Chicago, Ill.

## 4855—Flanges (Safety, Emery Wheel)

Webster & Perks Tool Co., Springfield, O.

## 4855a—*Flanges (Saw Shingle)

**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*

## 4855b— Flanges (Steel Welded)

Reading Valve & Fittings Co., Reading, Pa.

Standard Parts Co., Cleveland, O.

## 4856— Flanges (Welded)

**American Foundry & Construction Co., 2d av & Longworth, Pittsburgh, Pa.**

Ballwood Co. ("Ballwood" up to 5000 lbs. Pressure), 30 Church, New York
*See adv index at end of book*

**Kellogg M W. Co., 90 West, New York**
*See adv index at end of book*

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

Shaw Benj F. Co., Wilmington, Del.

## 4857— Flanges (Wheel)

Bossert Corp. (The), Linden & West av, Utica, N. Y.
*See adv index at end of book*

National Malleable Castings Co. (For Buggies, Wagons, etc.), 7706 Platt av, S E, Cleveland, O.

Oakes Co. (Automobile), Indianapolis, Ind.

## 4858— Flannels (Cotton)

Appleton Co. (White & Colored Outing), Lowell, Mass.

Aurora Cotton Mills (Outing), Burlington, N. C.

Boston Duck Co., Bondsville, Mass.

Brogon Mills (Flannelettes), Anderson, S. C.

Brown Mfg. Co. (Domets), Concord, N. C.

Chicopee Mfg. Corp., Chicopee Falls, Mass.

Durham Cotton Mfg. Co., East Durham, N. C.

Eagle & Phenix Mills (Kimona Outing) Columbus, Ga.

Elmira Cotton Mills Co. (Outing), Burlington, N. C.

Erwin Cotton Mills Co. (Mottled & Canton), West Durham, N. C.

Falls Co. (Domets, Outing, etc.), Norwich, Conn.

Glencoe Mills (Domets), Burlington, N. C.

Hamilton Mfg. Co. (Domets, Canton, Mottled & Solid Cotton), Lowell, Mass.

Hettrick Mfg. Co., Toledo, O.

Indian Head Mills of Ala., Cordova, Ala.

Jackson Co., Nashua, N. H.

Locke Cotton Mills Co., Concord, N. C.

Manetta Mills, Lando, S. C.

Mass. Cotton Mills (Canton), Lowell, Mass.

Minneola Mfg. Co. (Dress & Outing), Gibsonville, N. C.

Nashua Mfg. Co., Nashua, N. H.

Old Colony Mfg. Co., Taunton, Mass.

Pemberton Co., Lawrence, Mass.

Revolution, Cotton Mills (Colored & Bleached Canton), Greensboro, N. C.

Rushton Cotton Mills (Domets), Griffin, Ga.

Southern Mfg. Co. (Canton), Athens, Ga.

Thorndike Co., Thorndike, Mass.

Travora Mfg. Co. (Heavy Napped), Graham, N. C.

Tremont & Suffolk Mills (Canton & French), Lowell, Mass.

Whittenton Mfg. Co., Taunton, Mass.

Williamson J. N. & Sons Co. (Domets & Flannelettes), Burlington, N. C.

## 4859— Flannels (Woolen)

Agawam Co., Agawam, Mass.

Algonquin Co., Passaic, N. J.

Alpena Woolen Mills Co., Alpena, Mich.

Amana Society, Amana, Ia.

Apollo Woolen Mills, Apollo, Pa.

Atlantic Mills, 120 Manton av, Providence, R. I.

Ballard Vale Mills Co. (Fine White), Ballard Vale, Mass.

Barnesville Mfg. Co., Barnesville, W. Va.

Barron Woolen Mill Co., Barron, Wis.

Birdsall Bros. Co., Honesdale, Pa.

Blue J. J. & Son, Ettrick, Wis.

Bossert Corp., cor. Linden & West av, Utica, N. Y. *See adv index at end of book*

Botany Worsted Mills, Passaic, N. J.

Brown's G. Sons, Mount Joy, Pa.

Brownsville Woolen Mills Co., Brownsville, Ore.

Brunger S. & Co., Sullivan, Ind.

Buckhannon Woolen Mills, Buckhannon, W. Va.

Buell Mfg. Co., St. Joseph, Mo.

Cal. Woolen Mills, California, Mo.

Carlton E. G. & Sons (White), Rochdale, Mass.

Carruth J. G. & Co., Indiana av & Rosehill, Phila., Pa.

Cedarburg Woolen Mills, Cedarburg, Wis.

Chapel Mills Mfg. Co., Cherry Valley, Mass.

Cheshire Mills (All Wool Plain & Twilled Colored Flannels), Harrisville, N. H.

Davis C. M. & Co. (White), Northfield, Vt.

Dodge-Davis Mfg. Co., Bristol, N. H.

Dole E. & Co., Campton, N. H.

Dresden Woolen Mills, Dresden, O.

Eugene Woolen Mill Co., Eugene, Ore.

Fabyan Woolen Co. (Cotton Warp Shirting), Stafford Springs, Conn.

Faribault Woolen Mill Co., Faribault, Minn.

Farnsworth Co., Lisbon Center, Me.

Freeland Mfg. Co., Freeland av & Walnut, La., Phila., Pa.

Gibboney A. R. & Co., Reedsville, Pa.

Goodwin C. E. & Sons, Cumberland Gap, Tenn.

Graff P. & Co., Worthington, Pa.

Groveland Mills, South Groveland, Mass.

Harris Emery Co. (White), Penacook, N. H.

Heathcote S. E. & Co., Glen Rock, Pa.

Heikes E. K., York Springs, Pa.

Houlton Woolen Mill, Houlton, Me.

Howarth A. & Son (White), Oxford, Mass

Jamestown Worsted Mills, Jamestown, N. Y.

Kay T. Woolen Mill Co., Salem, Ore.

Keller J. B., Houserville, Pa.

Kennedy D. & Sons, Monticello, Wis.

Kent Mfg. Co., Clifton Heights, Pa.

Langville Woolen Mills, Langville, Pa.

Liebhardt William L. & Co., Middletown, Ind.

Litchfield Woolen Mills Co., Litchfield, Minn.

McAnespie J. & Co., Lancaster, O.

Mahaffy Bros., Pulaski, N. Y.

Melville Woolen Co. (Men's), Chambersburg, Pa.

Morrison Woolen Co., Dexter, Me.

Mystic Woolen Co., Old Mystic, Conn.

Nashua Woolen Mills, Nashua, Ia.

Newton & Co., Homer, N. Y.

North Berwick Co. (French), North Berwick, Me.

North Star Woolen Mill Co., 228 S 2nd, Minneapolis, Minn.

Olney Woolen Mills (White), Cherry Valley, Mass.

Patrick F. A. & Co., Duluth, Minn.

Pondville Woolen Mills, Auburn, Mass.

Portland Woolen Mills, Portland, Ore.

Prairie du Chien Woolen Mill Co., Prairie du Chien, Wis.

Rich J. & Bros., Woolrich, Pa.

Richards Dexter & Sons Co., Newport N. H.

Schaeffer J. M., Sandy Lake, Pa.

Seymour Woolen Mills Co. (Skirtings), Seymour, Ind.

Shuler & Benninghofen, Hamilton, O.

Slater S. & Sons, Webster, Mass.

Spangler W. H., Fitzpatrick, W. Va.

Stevens C. A. & Co. (White), Ware, Mass.

Stickler J. M., Mauston, Wis.

Stirling Woolen Mills (All Wool), Lowell, Mass.

Suttons's Mills, North Andover, Mass.

Talbot Mills, North Billerica, Mass.

Virginia Woolen Co., Winchester, Va.

Webb T. A. W. & Son, Allensville, Pa.

West End Woolen Mills Co., 64th & South, Phila., Pa.

Woodcock A. B., Waterside, Pa.

Yantic Woolen Co., Yantic, Conn.

## 4860— Flare Lights

Carbic Mfg. Co., 301 So 55th av, Duluth, Minn.

Prest-O-Lite Co., Indianapolis, Ind.

## 4861—Flashers (Electric Sign)

**A. & W. Electric Sign Co., W 3rd & Prospect av, Cleveland, O.**
**Betts & Betts Corp'n ("Betts"), 513 W 42d, New York**
**Campbell Electric Co., 17 Stewart, Lynn, Mass.**
**Electric Carriage Call & Specialty Co. ("Perfection"), 311 W 40th, New York**
**Electric Flasher Co., 80 5th av, New York**
**Emerson Electric Mfg. Co., 3024 Wash. av, St. Louis, Mo.**
Flexlume Sign Co., 1472 Niagara, Buffalo, N. Y.
**Grazier Elec. Sign Products Co., Johnstown, Pa.**
**Greenwood Advg. Co., 1942 S Main, Los Angeles, Cal.**
Haller Sign Works, 115 N Desplaines, Chicago, Ill.
**Hoggson S. H. Co. ("Hemofam"), 27 Thames, New York**
**Norden Elec. Sign Co., 311 W 40th, New York**
**Phelps Mfg. Co. ("Skeedoodle"), 49 W** Larned, Detroit, Mich.
**Reynolds-Dull Flasher Co. ("Dull's"), 18** Wells, Chicago, Ill.
Reynolds Electric Co. ("Reco"), 2650 W Congress, Chicago, Ill.
**Ryan M. C. Co. ("Phoenix"), Phoenix, N.Y.**
**Tecla Elec'l Laboratory, 195 Cass av, Detroit, Mich.**
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 4862— Flashings (Roof)

**Acme Mfg. Co. ("Acme"), Bangor, Me.**
**Berger Mfg. Co., Canton, O.**
**Davis-Watson Mfg. Co. ("Watson"), Nashua, N. H.**
**Edwards Mfg. Co., Cincinnati, O.**
*See adv index at end of book*
Harker Mfg. Co. ("Retlaw"), 121-123 W Third, Cincinnati, Ohio
*See adv index at end of book*

ROOF FLASHINGS
"RETLAW"
All Lead Flashing
HARKER MFG. CO.
CINCINNATI, O.

**Kansas City Flushing & Drain Co., 1433 Main, Kansas City, Mo.**
**Prier Brass Mfg. Co. ("Prier" Lead), Kansas City, Mo.**
**Standard Sheet Metal Mfg. Co., Washington, Pa.**
**Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (Also Wall, etc), Wheeling, W. Va.**

## 4863—Flashlights (Electric Lamp and Lantern)

**Ajax Elecl. Spec. Co., St. Louis, Mo.**
American Carbon & Battery Works of National Carbon Co., Inc., E St. Louis, Mo.
**American Ever Ready Works of Nat'l Carbon Co. ("Eveready Daylo"), Thompson av, L. I. City, New York**
**Anglo-American Co., 634 Smithfield, Pittsburgh, Pa.**
**B. & C. Mfg. Co., 290 Church, New York**
**Bright Star Battery Co., 316 Hudson, New York**
**Burgess Battery Co., Madison, Wis.**
**Burgess C. F. Laboratories, Madison, Wis.**
**Columbia Elec. Nov. Co., 58 W 15th, New York**
**Curfman F. L. Mfg. Co., Maryville, Mo.**
**Delta Elec. Co., Marion, Ind.**
Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
**Electro Importing Co., 283 Fulton, New York**
**Elux Miniature Lamp Division, 6 E 39th, New York**
Enterprise Elec. Nov. Co., 107 Bleeker, New York
**French Battery & Carbon Co., Madison, Wis.**
**Hansen Marvin W., 38 11th, Toledo, O.**
**Import Sales Co., 27 W 20th, New York**
**International Battery Co., 453 Broome, New York**
**Interstate Electric Novelty Co., 104 So 4th, Brooklyn, N. Y.**
**Manufacturers & Inventors Elec. Co. ("Cats Eye"), 29 Gold, New York**
Marcuson E. ("Knockabout"), 70 Cortland, New York
**National Carbon Co., Madison av N. W & W 117th, Cleveland, O.**
National Marine Lamp Co., Forestville, Conn.
Northwestern Battery Co., 530 Jeffersen, Milwaukee, Wis.
Peerless Light Co. ("Peerless"), 663 W Washington blvd, Chicago, Ill.
**Portable Elec. Safety Light Co. ("Hubbell"), 10 Johnson, Newark, N. J.**
**Providence Electric Mfg. Co. ("Nitelite," "Little Rhody"), 23 Broad, Providence, R. I.**
**Radium Light Co., Arrott bldg, Pittsburgh, Pa.**
**Roka Battery Co., 27 W 20th, New York**
**Solar Light Co., 69 Wooster, New York**
**Standard Electric Novelty Co., 730 W Randolph, Chicago, Ill.**
**Strobel & Wilken Co. ("Yankee" Imp.), 61 W 23rd, New York**
Stuart Products Corp., 633 Washington blvd, Chicago, Ill.
**Tardie E. J., 156 5th av, New York**
Union Battery Co., Belleville, N. J.
**Universal Carbon Co., Dundee, Ill.**
**Universal Novelty Works ("Eclipse," "Milwaukee"), 164 5th av, New York**
**Usona Mfg. Co. ("Kwik-lite"), 1 Hudson, New York**
**Vesta Accumulator Co., 2100 Indiana av, Chicago, Ill.**
**Voltamp Electric Mfg. Co., 407 N Paca, Baltimore, Md.**
**Wilhelm Henry, 70 Frost, Brooklyn, N. Y.**
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wood C. D. Electric Co. ("Woodwin"), 441 B'way, New York

HENDRICKS'
COMMERCIAL
REGISTER

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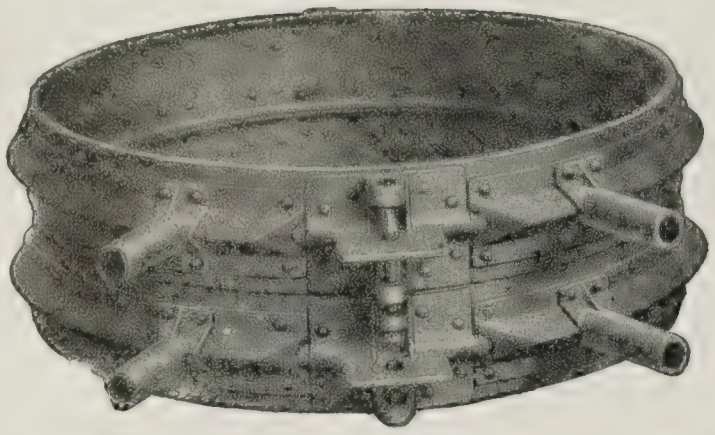
# Sterling Rolled Steel Flasks

## Double The Strength And Half The Weight

Sterling Flasks Are Made to Order in Styles and Sizes to Meet Individual Requirements



The Strength of Sterling Flasks Is in the Rolled Steel with the Solid Center Rib

As compared with Cast Iron, Cast Steel or cumbersome wooden flasks, Sterling flasks present a great saving. in both maintenance and labor costs. The light weight and accuracy of Sterling Flasks is bound to increase production. The Rolled Steel construction is durable and of correct design.

The Sterling Catalogue tells a story of interest and value to every foundry man.

## Sterling Wheelbarrow Co., West Allis, Wis.


### 4864— Flask Stock (Wood)

Basic Mfg. Co., Wilmington, Del.
Johnson Lumber Co., Milwaukee, Wis.

### 4865— Flasks (Molders')

**Adams Co. (Cherry Snap), Dubuque, Ia.**
Advance Engng. Co., Metta av, Cleveland, O.
American Foundry Equipment Co., 52 Vanderbilt av, New York
**Arcade Mfg. Co. ("Arcade" Snap), Freeport, Ill.**
**Baldwin, Tuthill & Bolton ("B. T. & B." All Steel Snap), Grand Rapids, Mich.**
**Barnett Oscar Foundry Co. ("Barnett" Molders & "New Diamond" Snap), Irvington, N. J.**
**Berkshire Mfg. Co. (Aluminum & Wood Snap also Iron), Whitney Power blk., Cleveland, O.**
**Brass Founders' Supply Co. (For Brass Fdrs., Ribbed, etc.), Wilson av, Newark, N. J.**
**Bridgeport Die & Machine Co. ("Bridgeport" Snap), Bridgeport, Conn.**
Bryan Pattern & Mach. Co., Bryan, O.
Buch Foundry Equipment Co. (Snap), Bridgeport, Pa.
Buch's A. Sons Co., Elizabethtown, Pa.
**Columbiana Boiler Co., Columbiana, O.**
**Diamond Clamp & Flask Co. ("Diamond" Snap), Richmond, Ind.**
**Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.**
**Grabo E. O. Machine Works, 180 Centre, New York**
**Hill & Griffith Co. ("Snap"), 1248 State av, Cincinnati, O., & Birmingham, Ala.**
*See adv index at end of book*
**Jurack Chas. (Cherry Snap), 201 Oregon, Milwaukee, Wis.**
**Middleditch Benj., Detroit, Mich.**
Morner & Smith (Aluminum Snap), Dayton, O.
**Nicholls Wm. H. Co., Inc., 2 College pl., Brooklyn, N. Y.**
*See adv index at end of book*
**Obermayer S. Co., 2563 W 18th, Chicago, Ill.**
Osborn Mfg. Co., 5405 E Hamilton av, Cleveland, O. *See adv index at end of book*
Shanafelt Mfg. Co., Canton, O.
Smith & Caffrey Co. ("New Eureka" Snap), Syracuse, N. Y.
Stearns E. C. & Co. ("Stearns" Snap), 450 Oneida, Syracuse, N. Y.
**STERLING WHEELBARROW CO.** (Special Rolled Steel Construction), West Allis, Wis. *See adv index at end of book*
Treadwell Construction Co. (Structural Steel), Midland, Pa.
Turner Machine Co., 3632 N Lawrence, Phila., Pa.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

### 4865a Flasks (Steel Foundry)

Dopp J. W. & Co. ("Sterling Lines" Dealers), 15 W Columbia, Detroit, Mich.
Sterling Wheelbarrow Co. ("Sterling"), Milwaukee, Wis.
Stolz Jos. & Son, Inc., 841 E 136th, New York

### Flat Irons

See Sad Irons

### 4866— Flatters

Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

### 4866a— Flavine

Young J. S. & Co., Hanover, Pa.

### 4867— Flax

Amerlin Co. (Hackled), Yale, Mich.
Andrews Robert Co. (Imp.), 115 Franklin, New York
Blehdon V. R., Brisbane bldg, Buffalo, N. Y.
Central Co.-Operatic Union of Flax Industries (Imp.), 136 Liberty, New York
Minnesota Fibre Co. (Spinning), Heron Lake, Minn.

### 4868-9— Flaxseed

Ankeney Linseed Mfg. Co. (Screened & Ground), Des Moines, Ia.
Tetzfaff Wm. (Ground), 652 31st, Milwaukee, Wis.
Trilling H. & Co. (Ground), 1228 Arthington pl. Chicago, Ill.

### 4870— Fleshers (Tanners')

Emrich Phil., 624 Main, Cincinnati, O.

### 4871— Flights (Conveyor)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Bowsher N. P. Co. (Hard Maple), South Bend, Ind.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

### 4872— Flint

See also Quartz

Chrystal Chas. B., 13 Cliff, New York
*See adv index at end of book*
Doggett Stanley (Granulated & Powdered), 11 Cliff, New York
**Eureka Flint & Spar Co. (Miners), Trenton, N. J.**
**Golding Sons Co. (Also Spar Mills), Trenton, N. J.**
**Guilford & Waltersville Granite Co. (Rough & Ground), Law bldg, Baltimore, Md.**
**Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio**
**Illinois Mineral Milling Co., East St. Louis, Ill.**
**New England Quartz Co. of N. Y. (Granulated, Powdered, Potters, etc.), 150 Nassau, New York**
**Pennsylvania Pulverizing Co. (Ground Flint & Quartz), Lewistown, Pa.**
**Product Sales Co. (Ground), 32 So Calvert, Baltimore, Md.**
**THROPP'S JNO. E. SONS CO., ft of Lewis, Trenton, N. J.**
*See adv index at end of book*
Trenton Flint & Spar Co. (Miners), Trenton, N. J.
Wausau Quartz Co. (Ground), Wausau, Wis.
**Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.**

### 4873—Flint Pebbles & Flint Linings

**Abbe Engineering Co. (Flint Pebbles for Pebble & Tube Mills), 216-224 B'way, New York** *See adv index at end of book*
**Allis-Chalmers Mfg. Co., Milwaukee, Wis.**

Atkins, Kroll & Co. ("Danish"), 260 California, San Francisco, Cal.
Balfour Guthrie & Co., 350 California, San Francisco, Cal.
Buebendorf Bros. (Imp), Produce Exchange, New York
Eureka Flint & Spar Co., Trenton, N. J.
Higman John W. Co. (Imp.), 29 B'way, New York
Patterson Foundry & Machine Co. (French), East Liverpool, O.
Product Sales Co. (Imp.), 32 So Calvert, Baltimore, Md.
Smidth F. L. & Co., 50 Church, New York

**THROPP'S JNO. E. SONS CO.**, ft of Lewis, Trenton, N. J.
*See adv index at end of book*
Voigt B. (French & Danish), 154 Nassau, New York

## 4874— Floats (Car & Grain)

American Car & Foundry Co. (Steel or Wooden), Syndicate Trust bldg, St. Louis, Mo.

## 4875-6— Floats (Carbureter)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
Detroit Metal Spinning Co., 197 Monroe av, Detroit, Mich.
Goodnow & Blake Mfg. Co. (Metal), 4th & Porter, Detroit, Mich.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*

## 4877— Floats (Copper)

American Brass & Copper Co., 138 Lafayette, New York
American Mfg. Co., Dayton, Ohio
American Pin Co. ("Wonder" & "Ampinco"), Waterbury, Conn.
Ayling & Reichert Co. ("No-Sol" Seamless Copper), Toledo, O.
Blessing C. A., 516 Montgomery av, Phila., Pa.
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Boston Brass Co. ("B. B.," "Dirigo" Solderless), 135 Bacon, Waltham, Mass.
*See adv index at end of book*

AND **BB BALL COCKS**

**BOSTON BRASS CO.**
**135 Bacon Street, Waltham, Mass.**


Cleveland Faucet Co., 1205 E 55th, Cleveland, O.
Consolidated Mfg. Co., Dayton, Ohio
Detroit Metal Spinning Co. (For Tanks), 197 Monroe av, Detroit, Mich.
Douglas Jno. Co. (Glass & Copper), Carthage, Cincinnati, O.
Engelhard Frank & Sons, 200 Franklin, Springfield, Mass.
Gerstein Bros. & Cooper, 3 W 3d, So Boston, Mass.
Harris Arthur & Co. (Seamless, All Kinds), 212 N Curtis, Chicago, Ill.
*See adv index at end of book*


**HARRIS**

Seamless Copper Ball and Special Floats
For Pressure and Open Tank Service
4" to 10" Copper Ball Floats Carried in Stock

*Write for Circular*

ARTHUR HARRIS & CO.
212-218 N. Curtis Street Chicago, Ill., U. S. A.


Haydenville Co., Haydenville, Mass.
Hercules Float Works ("Hercules" for Steam Pressure), 200 Franklin, Springfield, Mass.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Johnson J. D. Co., 43 Boerum pl, Brooklyn, N. Y.
Kraft A. C. (Also Galvanized), 323 W Lake, Chicago, Ill.
Michigan Metal Spinning & Mfg. Co. ("Non-Collapsible" Solderless), 525 Woodbridge, Detroit, Mich.
Miller Chas. A. Co. (Corrugated, Also All Steel Seamless Porcelain Enameled), Sturgis, Mich.
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Naugatuck Mfg. Co. (Seamless), Naugatuck, Conn.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Pfau Mfg. Co., Mentor & Huston, Norwood, Cincinnati, O.
Reliance Gauge Column Co. (Solderless), Cleveland, O.
Standard Brass Mfg. Co. (Spun Solderless), Utica, N. Y.
Trageser Jno. Steam Copper Works, 44 W 26th, New York
Trenton Brass & Machine Co., Trenton, N. J.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Union Metal Works (Spun), Chelsea, Mass.
WEBER BROS. METAL WORKS, 108 N Jefferson, Chicago, Ill.
Wolverine Brass Works ("Kant-Leak"), Grand Rapids, Mich.

## 4878— Floats (Crockery)

Bellmark Co., Trenton, N. J.
Maddock Jno. & Sons, Trenton, N. J.
Standard Sanitary Pottery Co., Elizabeth, N. J.
Trenton Potteries Co., Trenton, N. J.

## Floats (Fishing)

See Fishing Tackle Mfrs.

## 4879— Floats (Glass)

Dargent Chas., 360 Crescent, Brooklyn, N. Y.
Heap Wm. & Sons, Grand Haven, Mich.

## 4880—Floats (Plasterers' Plain Cork)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

## 4880a— Floats (Seine)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## Floats (Tell Tale)

See Alarms, Tank

## 4881— *Floats (Wooden)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 4882— Floor Coverings

Barrett Co., 17 Battery Pl, New York
Bird & Son ("Neponset"), East Walpole, Mass.
Cook's Linoleum Co. ("Feltolin"), Trenton, N. J.
Paraffine Companies, Inc., The, 34 First, San Francisco, Cal.
*See adv index at end of book*
Peck & Hills Furniture Co. (Jobbers), 1353 S Wabash av, Chicago, Ill.
Petrolene Co., Whiting, Ind.

## Floor Dressing

See Floor Oils, Dust Absorbing

## 4883— Floor Finish

Acme White Lead & Color Works, St. Aubin M. C. RR., Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite" Floor Varnish), 726 Washington blvd, Chicago, Ill.
Atlantic Drier & Varnish Co., Meadow & Wolf, Phila., Pa.
Atlantic Varnish Works, Inc. ("Floorenite"), Richmond, Va.
Babcock John & Co., Allston, Boston, Mass.
BINSWANGER B. & CO. ("Zanzibolio"), 329 N 3d, Phila., Pa.
Boston Varnish Co. ("Kyanize"), Everett Station, Boston, Mass.
Bridgeport Wood Finishing Works (Du Pont), Phila., Pa.
Butcher Polish Co. ("Butcher's Boston Polish" & "No. 3 Reviver"), 356 Atlantic av, Boston, Mass.
Calman Emil & Co. ("Floor Flat Lac"), 100 William, New York
Carpenter-Morton Co. ("Campbell"), 77 Sudbury, Boston, Mass.
Chicago Varnish Co. ("Supremis," "Ebonblack" Quality), 2100 Elston av, Chicago, Ill.
Cleveland Varnish Co. ("Permanere"), 3111 E 87th, Cleveland, O.
Day Jas. B. & Co., 214 W Ohio, Chicago, Ill.
DEVOE & RAYNOLDS CO., INC. ("Devoe"), Marble), 101 Fulton, New York
*See adv index at end of book*
du Pont (E. I.) de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
Floor-Shine Mfg. Co., 2744 Olive, St. Louis, Mo.
Fuller W. P. & Co. ("Alfro-Lac"), San Francisco, Cal.
Glidden Co. ("M. P." Durable Floor, "Jap a lac"), Madison av & Berea av, Cleveland, O.
Hanna Paint Mfg. Co. ("Lustro"), Columbus, O.
Harland Wm. & Son ("Wont-Mar"), Buffalo, N. Y.
Inlaid Floor Co., 600 Alabama, San Francisco, & 4067 Watts, Emeryville, Cal.
Johnson S. C. & Son ("Johnson's" Prepared Wax), Racine, Wis.
Keystone Varnish Co. ("Floorstona," "Keystone"), 71 Otsego, Brooklyn, N. Y.
Lawrence W. W. & Co. ("Lik-E-Namel" for Floors, Furniture, etc), W Carson, Pittsburgh, Pa.
Lilly Varnish Co. (Parquetry Floor Preservative), Indianapolis, Ind.
Lincoln Paint & Color Co. ("Tintolac"), Lincoln, Neb.
Louisville Varnish Co., Louisville, Ky.
Masury Jno. W. & Son ("Nomar"), 50 Jay, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Murphy Varnish Co. ("Transparent"), 224 McWhorter, Newark, N. J.
Newark Varnish Works ("Best" Elastic), 111 Delancey, Newark, N. J.
Nice Eugene E. ("Trokal" Liquid), 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
O'Brien Varnish Co. ("Pyramid"), South Bend, Ind.
Patterson-Sargent Co. ("China-Lac"), 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Pratt & Lambert, 185 Madison av, New York
Smith Edward & Co. ("I. X. L."), 127 W av, Long Island City, N. Y.
Standard Varnish Works (Gutta Percha & Flattine), ("Elastica", "Lacqueret", "Stanvor"), 90 West, New York
Vilas Bros. (Floorum Varnish), 717 S 5th av, Chicago, Ill.
Vortex Mfg. Co., W 77th, Cleveland, Ohio
Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.
Waterall Wm. & Co. ("Floorcote"), Camden, N. J.
Wiley I. H. Waxene Co. ("Wiley's Waxene"), 68 Dover, W Boston, Mass.
Wood-Mosaic Co., New Albany, Ind.
Wadsworth, Howard & Co. ("Bay State"), 141 Federal, Boston, Mass.

## Floor Lights

See Vault & Sidewalk Lights, Plain & Prismatic

## 4884—Floor Oils (Dust Absorbing)

Alcatraz Co., Inc. ("Deo"), 3200 Williamsburg av, Richmond, Va.
American Dust Absorbing Floor Oil Co., 100 Greene, New York
Apothecaries Hall Co. ("Essex," "Revival"), Waterbury, Conn.
Baum Bros. Co., Denver, Colo.
Bird J. A. & W. & Co. ("Globe"), 88 Pearl, Boston, Mass.

FLOOR OILS (DUST ABSORBING)—continued

**Brown Chas. H. Paint Co. ("Statesman"),** 262 Fulton, Brooklyn, N. Y.
**Dexter Bros. Co. (English Wood Oil Polish), 105 Broad, Boston, Mass.**
Frederick Disinfectant Co., Atlanta, Ga.
**Emery Mfg. Co., Bradford, Pa.**
Glidden Co. ("Glidden" S Concrete Floor Dressing for Concrete & Cement Floors), Madison av & Berea av, Cleveland, O.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
**Lewis Samuel ("Alpine Wax Oil"), 78** Barclay, New York
**Ohio Chemical Co., Findlay, O.**
Reilly Co., Indianapolis, Ind.
**Sonneborn L. Sons ("Amalie"), 262 Pearl,** New York
Standard Chemical Co., Houston, Texas
Standard Oil Co. of N. J., 26 B'way, New York
**TEXAS COMPANY,** 17 Battery pl, New York *See adv index at end of book*
**Thumb E. W. ("Sunshine" Wax Oil), 873** Orleans, Chicago, Ill.
West Disinfecting Co., 411 5th av, New York
Winn Wm. R. (Jobbers), 488 Cherry, New York

## 4885—Floor Polish (Hard Wax)

Acme White Lead & Color Works ("Acme Quality"), St. Albin & M. C. RR, Detroit, Mich.
Baum Bros. Co., Denver, Colo.
**Bird J. A. & W. & Co. ("Globe"), 88 Pearl,** Boston, Mass.
**Boyle A. S. & Co. ("Old English"), 1934** Dana av, Evan, Cincinnati, O.
Bridgeport Wood Finishing Works (Du Pont), Phila., Pa.
Brown Chas. H. Paint Co. ("Binne"), 262 Fulton, Brooklyn, N. Y.
**Butcher Polish Co. ("Butcher's Boston Polish"), 356 Atlantic av, Boston,** Mass.
Day Jas. B. & Co., 214 W Ohio, Chicago, Ill.
**Devoe & Raynolds Co., Inc., 101 Fulton,** New York *See adv index at end of book*
Gold Medal Polish Co., Racine, Wis.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Johnson S. C. & Son, Racine, Wis.
**Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.**
Lincoln Paint & Color Co., Lincoln, Neb.
Lowell Polish Co., Lowell, Mass.
Penn Oil & Supply Co., Ltd., Oil City, Pa.
**Pratt B. G. Co. ("Hydrowax" For Cleaning & Polishing), 50 Church, New** York
Sherwin-Williams Co., Cleveland, O.
Texas Company ("Texaco" Liquid), 17 Battery pl, New York
*See adv index at end of book*
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
**Wiley I. H. Waxine Co. ("Waxine"), 81** Dover, W Boston, Mass.
Wood-Mosaic Co., New Albany, Ind.

## 4886—Floor Stands for Valves

Coldwell-Wilcox Co., Newburgh, N. Y.
Darling Valve & Mfg. Co., Williamsport, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**Ludlow Valve Mfg. Co. (Plain, Geared & Combination, Hand & Motor Operated), ft of Adams, Troy, N. Y.**
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh,** Pa.
**Pratt & Cady Co. ("P & C"), Hartford,** Conn.
**Simmons John Co., 110 Centre, New York**
*See adv index at end of book*

## 4887—Floor Treads (Electric Bell)

**Renim Specialty Co. ("Renim" for Use with Rigid or Flexible Metallic Conduit, etc), Brighton, Boston, Mass.**

## 4888— Flooring (Car)

See also Flooring, Sanitary

**Berger Mfg. Co. ("Keystone"), Canton, O.**
Dunbar Mfg. Co. ("Chanarch"), 325 N Leamington av, Chicago, Ill.
**SPECIAL SERVICE FLOORING CORP.,** 2039 Grand Central Terminal, New York *See adv index at end of book*

## Flooring (Composition)

See Flooring, Sanitary)

## 4889— Flooring (Hard Wood)

See also Flooring, Oak

**Acme Hardwood Floor Co., 1144 Sutter,** San Francisco, Cal.
**American Sash & Door Co. (Wholesale),** Kansas City, Mo.
**Armstrong Landon Co., Kokomo, Ind.**
**Arpin Hardwood Lumber Co., Grand** Rapids, Wis.
**Brown-Mitchison Co., Marinette, Wis**
Bruce, E. L. Co., Little Rock, Ark.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
**Central Warehouse Lumber Co., Pillsbury & Territorial, Minneapolis, Minn.**
Cincinnati Floor Co., Eastern av & Linwood rd, Cincinnati, O.
**Cobbs & Mitchell (Inc.), (Electric, Maple** & Beech), Cadillac, Mich.
Consolidated Fuel & Lumber Co. (Maple), Negaunee, Mich.
**Curtis & Yale Co. (Wholesale Mfrs.),** Wausau, Wis.
**Dennis A. L Salt & Lumber Co (Birch & Maple), Grand Rapids, Mich**
Dixon Lumber & Millwork Co., First National Bank bldg, Pittsburgh, Pa.
**Dunfee J & Co, 40 N Franklin, Chicago,** Ill.
Eaglesfield Hardwood Flooring Co., 920 Dorman, Indianapolis, Ind.
**Eaglesfield & Shepard, Indianapolis, Ind.**
**Eckenroth F. & Son, 921 E 5th, New York**
**Elias G. & Bro., 965 Elk, Buffalo, N. Y.**
**Emporium Lumber Co., Utica, N. Y.**
Gribben Lumber Co., Chicago & Walker, St. Paul, Minn.
**Hardwood Interior Co., 446 6th, San Francisco, Cal.**
**Harris Mfg. Co., Johnson City, Tenn.**
**Heaton & Wood, 1802 Chestnut, Phila., Pa.**
Hettler Herman H. Lbr. Co. ("Modern Brand" Beech, Birch), 2601 Elston av, Chicago, Ill.
Huttig Mill Wk. Co., Kansas City, Mo.
Inlaid Floor Co., 600 Alabama, San Francisco, & 4067 Watts, Emeryville, Cal.
**Interior Hardwood Co. The, Indianapolis,** Ind.
**Knoxville Lumber & Mfg. Co., Knoxville,** Tenn.
**Lancaster Harry & Co., Lebanon, Ky.**
**Mansfield Lumber Co., Mansfield, O.**
**Mueller Lumber Co., Davenport, Ia.**
**Nichols & Cox Lumber Co., Grand Rapids,** Mich.
North Vernon Lumber Co. ("Indiana" Brand), North Vernon, Ind.
Osborne & Clark, Lumber Exchange, Minneapolis, Minn.
Oval Wood Dish Corp., Tupper Lake, N. Y.
Robbins Lumber Co., Rhinelander, Wis.
**Robinson Edwards Lumber Co., Burlington,** Vt.
Rogers Lumber Co., Warren, Pa.
**STEARNS A. T. LUMBER CO., 100 Tay**lor, Neponset, Boston, Mass.
*See adv index at end of book*
Strable Mfg. Co., 537 First, Oakland, Cal.
Thompson Floor Co., 2209 Sutter San Francisco, Cal.
Waccamaw Lumber Co. (Bay, Poplar, N. C. Pine & Cypress), Bolton, N. C.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
**Wilce T. Company, 2209 Throop, Chicago,** Ill.
**Wisconsin Land & Lumber Co., Hermans**ville. Mich.
Wood-Mosaic Co., New Albany, Ind.
**Young W. D. & Co. (Wholesale Mfrs),** Bay City, Mich.

## 4890— Flooring (Maple)

Acme Lumber & Shingle Co., 20 W Jackson blvd, Chicago, Ill.
**American Sash & Door Co. (Wholesale),** Kansas City, Mo.
**Babcock Lumber Co., Frick bldg, Pittsburgh, Pa.**
Basic Mfg. Co., Wilmington, Del.
Bliss & Van Auken, Saginaw, Mich.
**Bruckman Lumber Co., Preble nr Island,** N S, Pittsburgh, Pa.
Bruner Owen M. Co., Colonial Trust bldg, Phila., Pa.
**Carr, Ryder & Adams Co. (Wholesale** Mfrs), Dubuque, Ia.
**Cobbs & Mitchell ("Electric" Maple &** Beech), Cadillac, Mich.
**Consolidated Fuel & Lumber Co., Negau**nee, Mich.
**Cream City Sash & Door Co., 601 Park,** Milwaukee, Wis.
**Cummer-Diggins Co., Cadillac, Mich.**
**Curtis & Yale Co. (Wholesale Mfrs), Wau**sau, Wis.
**Dennis A. L. Salt & Lumber Co. ("Na**tional"), Grand Rapids, Mich.
**Dwight Lumber Co. (And Wholesale Deal**ers), River Rouge, Detroit, Mich.
**East Jordan Lumber Co. ("Imperial"),** East Jordan, Mich.
**Eastman S. L. Flooring Co. ("Saginaw"** Brand), Saginaw, Mich.
**Flanner-Steger Land & Lumber Co.,** Blackwell, Wis.
**Forman Thos. Co. (Maple & Oak, Bored &** End Matched), 121 Forman, Detroit, Mich.
Gordon Vantine Co., Davenport, Ia.
**Grand Rapids Lumber Co., Grand Rapids,** Mich.
Gribben Lumber Co., 975 E 7th, St. Paul, Minn.
Griffith Webster, Ebensburg, Pa.
Hettler Herman H. Lumber Co. ("Modern" Brand), 2601 Elston av, Chicago, Ill.
Horner Wm., Reed City, Mich.
**Kerry & Hanson Flooring Co. ("Chief"** Brand), Grayling, Mich.
**Krouskop A. H., Richland Center, Wis.**
**Lobdell Emery Mfg. Co., Onaway, Mich.**
**Mansfield Lumber Co., Mansfield, O.**
Maple Flooring Mfrs. Ass'n. (Beech and Birch), Stock Ex. bldg, Chicago, Ill.
**Mason-Donaldson Lumber Co., Rhine**lander, Wis.
**Mitchell Bros. Co. ("Rockhard"), Cadillac,** Mich.
**Morgan Co., Oshkosh, Wis.**
**Nichols & Cox Lumber Co., Grand Rapids,** Mich.
**Nicola Lumber Co., Farmers Bk bldg,** Pittsburgh, Pa.
**North Branch Flooring Co., 2415 Barry** av, Chicago, Ill.
**Osgood & Blodgett Mfg. Co. ("X. L. C. R." Brand), Duluth av & E 7th, St.** Paul, Minn.
**Rittenhouse & Embree Co. ("Gilt Edge"),** 3500 S Racine av, Chicago, Ill.
**Robbins Lumber Co. ("Robbins" Rock Ma**ple), Rhinelander, Wis.
**Schroeder Jno. Lumber Co., ft Walnut,** Milwaukee, Wis.
**Serfas Lumber Co., Drake bldg, Easton,** Pa.
**STEARNS A. T. LUMBER CO. (Lumber),** 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Stephens Henry & Co., 815 Farewell, Waters, Mich.
**Stephenson I. Co. ("Ideal" Rock Maple),** Wells, Mich.
**Ward Bros. ("Marathon"), Big Rapids,** Mich.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
**Wilce T. Co., 2209 Throop, Chicago, Ill.**
**Williams W. E. Co., Traverse City, Mich.**
**Wisconsin Land & Lumber Co. (Maple,** Birch & Cherry), Hermansville, Mich.
**Young W. D. & Co., Bay City, Mich.**

## 4891— Flooring (Oak)

See also Flooring, Maple

**Abrams Flooring Co., Buffalo, N. Y.**
**American Column & Lumber Co. ("Amer**ican"), St. Albans, W. Va.
**American Sash & Door Co. (Wholesale),** Kansas City, Mo.
**Arkansas Oak Flooring Co., Pine Bluff,** Ark.
**Arkansas Short Leaf Lbr. Co., R. A.** Long bldg, Kansas City, Mo.
Barker-Bond Lumber Co., 405 Lexington av, New York
**Bliss Cook Oak Co. ("Dixie" Brand),** Blissville, Ark.
Bruce E. L. Co., Little Rock, Ark.
**Bruckman Lumber Co., Preble nr Island,** N S, Pittsburgh, Pa.

Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Cream City Sash & Door Co., 601 Park, Milwaukee, Wis.
De Soto Hardwood Flooring Co., Memphis, Tenn.
Dwight Lumber Co., River Rouge, Detroit, Mich.
Eaglesfield Hardwood Flooring Co., 920 Dorman, Indianapolis, Ind.
Farrin M. B. Lumber Co. ("Century," also Poplar Siding), Station av & Winton pl, Cincinnati, O.
Forman Thos. Co. ("Forman's Famous"), 121 Forman, Detroit, Mich.
Gordon Vantine Co., Davenport, Ia.
Gribben Lumber Co., Chicago & Walker, St. Paul, Minn.
Harris Hardwood Co., Inc., Roanoke, Va.
Harris Mfg. Co., Johnson City, Tenn.
Hettler Herman H. Lbr. Co. ("Modern Brand"), 2601 Elston av, Chicago, Ill.
Interior Hardwood Co., Indianapolis, Ind.
Kenova Hardwood Flooring Co., Kenova, W. Va.
Krouskop A. H., Richland Center, Wis.
Louisiana Long Leaf Lumber Co. ("Diamond"), Fisher, La.
Louisville Planing Mill & Hardwood Flooring Co., Louisville, Ky.
Mansfield Lumber Co., Mansfield, O.
Meadow River Lbr. Co., Rainville, W. Va.
Memphis Hardwood Flooring Co. ("Chickasaw" Brand), Memphis, Tenn.
Missouri Lumber & Land Exchange Co. (Bored & Hollow Backed), R. A. Long bldg, Kansas City, Mo.
Mitchell Bros. Co. ("Red Oak"), Cadillac, Mich.
Moratz Paul O., Bloomington, Ill.
Morgan Co., Oshkosh, Wis.
Mowbray & Robinson Co., 8th & Horn, Cincinnati, O.
Nashville Hardwood Flooring Co. ("Acorn"), Nashville, Tenn.
Nelson Lumber & Mfg. Co., 372 Dublin av, Columbus, O.
Nichols & Cox Lumber Co., Grand Rapids, Mich.
North Branch Flooring Co., 2415 Barry av, Chicago, Ill.
Oak Flooring Service Bureau, Union Trust bldg, Cincinnati, O.
Osgood & Blodgett Mfg. Co. ("X. L. C. R." Brand), Duluth av & E 7th, St. Paul, Minn.
Rittenhouse & Embree Co. ("Gilt Edge"), 3500 S Racine av, Chicago, Ill.
Ritter W. M. Lumber Co., 115 E. Rich, Columbus, O.
Rock Island Sash & Door Works (Wholesale Mfrs.), Rock Island, Ill.
Ronceveste Lbr. Co., Ronceveste, W. Va.
Rose D. M. & Co., Knoxville, Tenn.
Salt Lick Lumber Co. ("Eureka"), Salt Lick, Ky.
**STEARNS A. T. LUMBER CO.**, 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Tenn. Lbr. & Coal Co., 2nd Nat'l Bank bldg, Cincinnati, O.
Tenn. Oak Flooring Co. ("Tofco"), Nashville, Tenn.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
Wilce T. Co. ("Unequalled"), 2209 Throop, Chicago, Ill.
Wood-Mosaic Co., Main Office & Works, 140 W 42d, New York
Yellow Poplar Lbr. Co., Coal Grove, O.

## 4892— Flooring (Sanitary)

Acme Asbestos Covering & Supply Co. ("Acmetyle"), 404 N Ada, Chicago, Ill.
*See adv index at end of book*
Agatile Composition Flooring Co., 616 W Van Buren, Chicago, Ill.
American Magnesia Products Co. (Vevetile Composition), 418 W 12th pl, Chicago, Ill.
American Monolith Co. ("Monolith"), 97 Wisconsin, Milwaukee, Wis.
American Standard Shipfittings Corp., 115 B'way, New York
*See adv index at end of book*
Armstrong Cork & Insulation Co. (Composition, "Linotile"), 24th & A V R R, Pittsburgh, Pa.
Asbestolith Mfg. Co., 1 Madison av, New York
Basic Mfg. Co., Wilmington, Del.
Byerly & Sons, 2489 W 4th, Cleveland, O.
Cheney & Co., Inc. ("Troegerlith" Composition), 134 W 18th, New York
Corrugated Bar Co. ("Corr-Plate"), Mutual Life bldg, Buffalo, N. Y.
Dreadnought Flooring Co. (Cork Composition), 154 W 18th, New York
Djorup Frantz ("Austrian-American," "Flint-O-Lith"), 133 Washington, Chicago, Ill.
Embossed Wall Covering Co. ("Unitas"), 880 N 48th, Phila., Pa.
Everlasbestos Flooring Co. ("Everlasbestos" Magnesite Composition), 93 North, Rochester, N. Y.
Fibrestone & Roofing Co., 199 10th, San Francisco, Cal.
Flexner-Taylor Co. (Ltd.) ("F. & F. Composition Red"), 786 E Broadway, South Boston, Mass.
Flexotile Flooring Co. ("Flexotile"), Rockford, Ill.
Flintkote Mfg. Co. ("Rex Adamat"), 83 Pearl, Boston, Mass.
Ford Mfg. Co. ("Oak-A-Nite," "Gal-Va-Nite"), 2339 La Salle, Chicago, Ill.
General Kompolite Co. ("Kompolite"), 327 Borden av. Long Island City, N. Y.
Hydrolith Co. ("Hydrolith"), 25 Dean, Brooklyn, N. Y.
Idealite Co. ("Idealite" Corborundum), Cincinnati, O.
Imperial Floor Co., Rochester, N. Y.
Ironite Co. ("Ironite"), 111 W Washington, Chicago, Ill.
Keasbey Robt. A. Co. ("Crown"), 445 West, New York
Kennedy David E. (Inc.) ("Arrowlock" Electric & "Nonpareil" Cork), 62 W 14th, New York
Marbleoid Co. ("Sanitas," "Marbleoid"), 47 W 34th, New York
Mineral Products Co. ("Xyno" Stone), Rhinelander, Wis.
Minnesota Fama Stonewood Co. ("Fama Stonewood" Jointless), 1704 Rondo, St. Paul, Minn.
Muller Franklyn R. & Co. ("Asbestone" & "Steel Bond"), Waukegan, Ill.
National Kellastone Co. ("Kellastone" Composition), 5 S Wabash av, Chicago, Ill.
Petro Pulp Floor Co. ("Petro" Pulp), Grand Av Temple, Kansas City, Mo.
Phila. Mineral Flooring Co., 5682 Summer, Phila., Pa.
Plastone Co. ("Plastone"), Los Angeles, Cal.
Raecolith Flooring Co. ("Raecolith," "Watsonite"). Seattle, Wash.
Republic Creosoting Co., Merchants Bank bldg, Indianapolis, Ind.
*See adv index at end of book*
San Ti-Life Corpn., 120 Plum, Syracuse, N. Y.
Sanitary Composition Floor Co., Syracuse, N. Y.
Schenectady Tile Co. (Composition), Schenectady, N. Y.
Schillinger Bros. Co., 215 City Park av, Toledo, O.
**SPECIAL SERVICE FLOORING CORP.** (Composition & Asphalt), 2039 Grand Central Terminal, New York
*See adv index at end of book*
Standard Paint Co. ("Ru-ber-old"), 233 B'way, New York
Taylor Ronald Co. ("Taylorite"), 520 E 20th, New York
Tileine Universal Flooring Co., 437 W. 33d, New York
20th Century Mineral Flooring Co., 1210 Buttonwood, Phila., Pa.
U. S. Kellastone Co. ("Kellastone"), Chicago, Ill.
Warren Bros. Co. ("Puritan," "Colonial," "Terrazolite"), 142 Berkeley, Boston Mass.
Wearcrete Engng. Co., People's Gas bldg, Chicago, Ill.
Williams-Wendt Co. ("Korkstone"), 118 N La Salle, Chicago, Ill.
Woodoleum Mfg. Co., Liberty bldg., Phila., Pa.
Wright L. L. Waterproofing & Construction Co., Inc., 250 Lorraine, Brooklyn, N. Y.

## 4893—Flooring (Wood Block)

See also Paving Blocks, Wood

Abrams Flooring Co., Buffalo, N. Y.
Interior Hardwood Co., Indianapolis, Ind.
Jennison-Wright Co. ("Kreolite"), Toledo, O.


**Hendricks' Commercial Register**

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.



SPECIAL FLOORS SERVICE

OUR MANY TYPES OF FLOORS
ALLOW US TO THOROUGHLY STUDY YOUR NEEDS
AND RECOMMEND THE TYPE TO SATISFACTORILY MEET YOUR CONDITIONS

*Some Users of Our Floors:*

AMERICAN CAN CO. GENERAL CHEMICAL CO. GENERAL ELECTRIC CO.
NATIONAL CARBON CO. NEW YORK EDISON CO. U. S. ALUMINUM CO.

*Asphalt, Magnesite Composition, Acid Proof, Solry Non-Slip Tile, Cold Mastic, Cement*

**SPECIAL SERVICE FLOORING CORPORATION**
GRAND CENTRAL TERMINAL NEW YORK CITY

# Kreodone Interior Wood Block Floors

KREODONE BLOCKS form the best heavy duty floor that has ever been developed.

For more than twenty years they have stood without an equal for durability and economy.

Made from the best of long-leaf yellow pine. Preserved with the highest grade of pure creosote oil on the market. They never bleed tar.

Write us for particulars and figures.

**Republic Creosoting Company** INDIANAPOLIS, INDIANA
Plants and Branches in Principal Cities


FLOORING (WOOD BLOCK)—continued

Michigan Wood Preserving Co. (Creosoted), ("Century"), Century bldg, Pittsburgh, Pa.
Nightingale Co. (Interlocking, Laid on Cement Only), 103 Park av, New York
Ohio Wood Preserving Co., Century bldg, Pittsburgh, Pa.
Pittsburgh Wood Preserving Co., Century bldg, Pittsburgh, Pa.
**REPUBLIC CREOSOTING CO.,** Merchants Bank bldg, Indianapolis, Ind.
*See adv index at end of book*
Wilson J. G. Corp'n., The (English System), Chief Office: 8 W 40th, New York, Mills & Factory: Norfolk, Va.
*See adv index at end of book*
Wood-Mosaic Co., New Albany, Ind.

## 4893a—Floors (Cork, Brick & Tile)

Armstrong Cork & Insulation Co., 24th & A V RR, Pittsburgh, Pa.

## 4893b— Floors (Iron)

Irving Iron Wks., Long Island City, N. Y.
Petroleum Iron Works, Sharon, Pa.

## 4894—Floors (Iron Slat, For Smoke Houses)

Gehret Bros., Bridgeport, Pa.

## 4895— Floors (Malt Kiln)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Galland-Henning Mfg. Co. (Perforated), Railway Exch. bldg, Milwaukee, Wis.
Howard & Morse, 45 Fulton, New York
Littleford Bros., 444 E Pearl, Cincinnati, O.
Schillinger Bros. Co., 215 City Park av, Toledo, O.
Sicilian Asphalt Paving Co., 41 Park row, New York
Toepfer W. & Sons Co., 80 Menomonee, Milwaukee, Wis.

## 4896— Floors (Parquet)

**Star (*) Indicates Manufacturers**

Abrams Flooring Co., Buffalo, N. Y.
Adams J. M., 330 N Charles, Baltimore, Md.
Adams R. T. & Co. (Wood Mosaic Flooring Co.), 15 Milk, Boston, Mass.
American Parquetry Floor Co., 802 Bailey Bl, Phila., Pa.
*Bostwick-Goodell Co., Norwalk, O.
Boynton John H., 3 W 14th, New York
Chicago Floor Co., 730 S Wabash av, Chicago, Ill.
Cincinnati Floor Co., Eastern av & Linwood rd, Cincinnati, O.
Cleveland Hardwood Floor Co., Cleveland, O.
Dunfee J. & Co., 40 N Franklin, Chicago, Ill.
Eaglesfield Hardwood Flooring Co., 920 Dorman, Indianapolis, Ind.
Eaglesfield & Shepard, Indianapolis, Ind
*Federal Parquetry Mfg. Co., 3 W 14th, New York
Frings Martin, 3639 N 11th, Phila., Pa.
Halbert Geo. & W., 134 Livingston, Brooklyn, N. Y.
Hasbrouck Flooring Co., 501 E 70th, New York
Heaton & Wood, 1802 Chestnut, Phila., Pa.
Indiana Flooring Co., 232 Rider av, New York
Inlaid Floor Co., 600 Alabama, San Francisco, & 4067 Watts, Emeryville, Cal.
Interior Hardwood Co., Indianapolis, Ind.
Interlaced Parquetry Co., 13 Lawrence, New York
*Johnson S. C. & Son, Racine, Wis.
*Koch G. W. & Son, 537 W 53d, New York
McBride Jas. Flooring Corp., 2417 Valentine av, New York
Moore J. C. Co., 9 S 18th, Phila., Pa.
National Wood Floor Co., 607 W 43d, New York
*New York Flexible Wood Flooring Co., 112 W 42d, New York
*Nightingale Co. (Interlocking, Laid on Cement Only), 103 Park av, New York
Northwestern Parquet Floor Co., 142 E Lake, Minneapolis, Minn.
Osgood & Blodgett Mfg. Co., Duluth av & E 7th, St. Paul, Minn.
*Pope Charles A., 320 E 95th, New York
Reid, Wm. G. & Co. 16 W 47th, New York
Roberts Sash & Door Co. (For the Trade Only), 920 W 20th, Chicago, Ill.
Terwilliger Floor Mfg. Co., 607 W 43d, New York
*Wood-Mosaic Co., New Albany, Ind.

## 4896a—Floors (Perforated Steel)

Irving Iron Wks. Co., Long Island City, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Floors (Sanitary)

See Flooring, Sanitary

## Flotation Oils

See Oils, Pine; also Oils, Tar

## 4897— Flour (Buckwheat)

Acme Milling Co., Corry, Pa.
Albers Bros. Milling Co., Portland, Ore.
Alert Mills, Fountain City, Wis.
Almond Roller Mills (O. Culver), Almond, Wis.
Argo Milling Co., Charlevoix, Mich.
Avis Milling Co., Waldron, Mich.
Birkett Mills, Penn Yan, N. Y.
Blair Milling Co., Atchison, Kans.
Blodgett-Holmes Co., Janesville, Wis.
Blyth E. J., Walworth, N. Y.
Bowles Bros. Co., Los Angeles, Cal.
Campbell L. G. Milling Co., Northfield Minn.
Coombs Wm. A. Milling Co., Coldwater, Mich
Corno Mills Co., St. Louis, Mo.
Cox A. G., Osseo, Wis.
Dayton Milling Co., Towanda, Pa.
Dean Silas & Son, Oak Hill, N. Y.
Elk Eye Milling Co., McConnellsville, O
Elmore Milling Co., Oneonta, N. Y.
Filkins O. B., Stanton, Mich.
France Milling Co., Cobleskill, N. Y.
Friedline Wm., Sipesville, Pa.
Gilbert & Nichols Co., Fulton, N. Y.
Goshen Milling Co., Goshen, Ind.
Hale Jonathan & Sons, Lyons, Mich.
Harris Milling Co., Mt. Pleasant, Mich.
Herrick A. H. & Son, Watertown, N. Y.
Hunt & Washburn, Delanson, N. Y.
Huron Milling Co., Huron, S. Dak.
Johnson & Co., Franklin, Pa.
King Milling Co., Lowell, Mich.
Klingler H. J. & Co., Butler, Pa.
Lampman J. T. & Co., Claverack, N. Y.
Larrowe Milling Co., Cohocton, N. Y.
Messenger H. B., Federalsburg, Md.
Michigan Milling Co., Ann Arbor, Mich.
New Occidental Mill Co., Minneapolis, Minn.
New Ulm Feed & Cereal Mill Co., New Ulm, Minn.
Paterson Geo. B., Burdett, N. Y.
Rhinehart Grain Co., Unipolis, O.
Saginaw Milling Co., Saginaw, Mich.
Simison David D., Volant, Pa.
Smith Joseph & Co., Stockton, N. J.
Struve John, Lyons, Ia.
Tioga Mill & Elevator Co., Waverly, N. Y.
Titus & Hicks, Battle Creek, Mich.
Topeka Flour Mills Co., Topeka, Kans.
Van Wyck & Stringham, Fishkill Plains, N. Y.
Vorhis F. C., Brookton, N. Y.
Voshell J. C. & Son, Camden, Del.
Wapsipinicon Mill & Power Co., Independence, Ia.
Watson-Higgins Milling Co., Grand Rapids, Mich.
White Milling Co., Bloomsburg, Pa.
Wiest George, Fort Atkinson, Ia.
Willy & Co., Appleton, Wis.
Wright Stillman & Co., Berlin, Wis.
Youman E. E., Ravena, N. Y.

## 4898— Flour (Carbon)

American Carbon & Battery Co., E St. Louis, Mo.
National Carbon Co., Madison av, N. W. & W. 117, Cleveland, O.

## 4899—Flour (Core or Foundry)

Black Products Co., 135th & Calumet, Chicago, Ill.
Buckeye Products Co., 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Paxson J W. Co., 1021 N Delaware av, Phila., Pa.
Piqua Flour Co. (Core Flour), Piqua, O.
Springfield Facing Co., Springfield, Mass.
*See adv index at end of book*
Whitehead Bros. Co., 537 W 27th, New York

## 4900— Flour Mill Builders

Barnard Machinery Co., Enterprise, Kan.
Barnard & Leas Mfg. Co., Moline, Ill.
Great Western Mfg. Co., Leavenworth, Kans.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Robinson Mfg. Co., Muncy, Pa.
Salem Foundry & Machine Works, Salem, Va.
Sprout, Waldron & Co., Muncy, Pa.
Starr B. F. Co., 445 Guilford av, Baltimore, Md.

## 4901— Flour Mills

ALABAMA.

ATHENS—Black M. J. & Sons
BIRMINGHAM—Goodlander Milling Co.

BRUNDIDGE—Allen T. B.
CROSSVILLE—Jones W. B.
JENIFER—Priebe Mrs. E.
MOBILE—Alabama Corn Mills Co.
NEW MARKET—Rodgers A. D. & W. E.
**PRATTVILLE—Pratt Gin & Milling Co.**
ST. FLORIAN—Rasch T. J.
SEALE—Holland William H.
SPRINGVILLE—Ewing B.
TALLADEGA—Bingham Mills
**WALNUT GROVE—Frix J. J.**

### ARIZONA.

PHOENIX—Phoenix Flour Mills
SAFFORD—Gila Valley Milling Co.
TUCSON—Eagle Milling Co.

### ARKANSAS.

ARKADELPHIA—Arkadelphia Milling Co.
BENTONVILLE—Eagle Milling Co.
BERRYVILLE—Berryville Milling Co.
**CASSCOE—Trice W. T. & Bro.**
DEVALL BLUFF—Devall Bluff Gin & Milling Co.
EVENING SHADE—Moser Geo. W.
GILLHAM—Campbell W. M.
**HINDSVILLE—Polk W. C.**
JAMESTOWN—Jamestown Milling Co.
JONESBORO—Jonesboro Roller Mill Co.
KINGSTON—Kingston Milling Co.
MALVERN—Clem John M. & Son
MAMMOTH SPRING—Mammoth Spring Milling Co.
**MAYSVILLE—Parkins W. B.**
MINERAL SPRINGS—Dillard & Jones
MOUNTAIN HOME—Underhill Dillen
OZAN—Robins A. J.
PARIS—Bartsch August
PEA RIDGE—Pea Ridge Milling Co.
PIGGOTT—Clay County Mill & Elevator Co.
PINE BLUFF—Marco Mills
RECTOR—Rector Milling Co.
ROSIE—Rosie Mill & Gin Co.
ST. FRANCIS—Sprague A. O.
STEPROCK—Ellis R. S.
SUMMERS—Barton & Bro.
VALLEY SPRINGS—Valley Springs Milling Co.
WEST FORK—West Fork Mill Co.

### CALIFORNIA.

**COLUSA—Colusa Milling Co., Inc.**
DURHAM—Durham Mill Co.
MONTAGUE—Mount Shasta Milling Co.
OAKDALE—Oakdale Milling Co.
OLIVE—Olive Milling Co.
PASADENA—Pasadena Milling Co.
PETALUMA—Golden Eagle Milling Co.
SAN FRANCISCO—Sperry Flour Co.
Yosemite Flour Mills
SANTA ROSA—Santa Rosa Flour Mills Co.
UKIAH—Ukiah Milling Co.
WATSONVILLE—Trafton G. A. & Son

### COLORADO.

ALAMOSA—Alamosa Flour Mills
ANTONITO—Conejos Co-operative Roller Mills & Mfg. Co.
BERTHOUD—Farmers' Flour Mills
DENVER—Crescent Flour Mills
GOLDEN—Rock Flour Mills
GRAND JUNCTION—Mesa Flour Mill
GREELEY—Model Flour Mills
LONGMONT—Longmont Flour Mills
SAN LUIS—Parrish W. S.
WRAY—Wray Mills Co.

### DELAWARE.

CAMDEN—Howell Thos. H.
LAUREL—Records W. T. & Son
WILMINGTON—Lea Milling Co.

### GEORGIA.

ADAIRSVILLE—Veach J. M. Co.
ATLANTA—Atlanta Milling Co.
AUGUSTA—Clark Milling Co.
BUTLER—McCants J. J.
**CALHOUN—Calhoun Roller Mills**
CARNESVILLE—Carnesville Gin & Milling Co.
CARROLLTON—New D. F.
CAVE—Gaines L. P.
CEDARTOWN—Lovvorn W. J.
COLUMBUS—City Mills Co.
Empire Mills Co.
CUSSETA—Gordy Geo. G.
**DALTON—Barrett, Denton & Lynn Co.**
DOUGLASVILLE — Douglasville Roller Mill
DUBLIN—Pope J. T.
FORSYTH—Thurmond Bros.
FORT VALLEY—Georgia Milling Co.
GAINESVILLE—Gainesville Roller Mills Co.
GRAYSVILLE—Gray Bros.
LA FAYETTE—La Fayette Roller Mills
McHENRY—Fields L. C.
MAYSVILLE—Bacon Milling Co.
MILLEDGEVILLE—Oconee River Mills
NEWNAN—Askew W. S. Co.
RISING FAWN—Cureton Geo. W.
ROCKY FACE—Hassler S. R.

### IDAHO.

BLACKFOOT—Blackfoot Farmers' Milling Co., Ltd.
COEUR D'ALENE — Coeur D'Alene Grain & Milling Co.
CONANT—Conant Edward
COTTONWOOD—Cottonwood Milling & Elevator Co.
**MENAN—Menan Milling Co., Ltd.**
MOSCOW—Miller Mark P. Milling Co.
PARIS—Paris Roller Mills Co.
PRESTON—Preston Milling Co.

### ILLINOIS.

**ALTAMONT—Johnston-Hicks Mill Co.**
ALTON—Sparks Milling Co.
ANNA—Bruchhauser Bros.
AVA—Dean Mill Co.
**BELLEVILLE—Imbs J. F. Milling Co.**
CARLYLE—Carlyle Milling Co.
COLLINSVILLE—Tiedemann Chas. Milling Co.
COLUMBIA—Columbia Star Milling Co.
HIGHLAND—Highland Milling Co.
MARINE—Valier & Spies Milling Co.
MARISSA—Meek Milling Co.
**MASCOUTAH—Postel Ph. H. Milling Co.**
MURPHYSBORO—Reliance Milling Co.
Southern Illinois Milling & Elevator Co.
NASHVILLE—Camp Spring Mill Co.
Huegly Milling Co.
NEW BADEN—New Baden Milling Co.
O'FALLON—Tiedmann Milling Co.
OLNEY—Olney Milling Co.
PEORIA—Gift J. W. & Co.
PITTSFIELD—King M. D. Milling Co.
PRAIRIE DU ROCHER—Schoening-Koenigsmark Milling Co.
QUINCY—Knollenberg Milling Co.
**RED BUD—Becker C. Milling Co.**
Ziebold G. Milling Co.
**TEUTOPOLIS—Siemer Milling Co.**
TRENTON—Trenton Milling Co.
VALMEYER—Salt Lick Milling Co.
WATERLOO—Koenigsmark Mill Co.

### INDIANA.

BEDFORD—Lemon Milling Co.
BERNE—Berne Milling Co.
CAMBRIDGE CITY—Creitz W. A. Co.
COLUMBIA CITY—Tuttle R. & Co.
COLUMBUS—Schaeffer & Schwartzkopf
**EVANSVILLE—Akin-Erskine Milling Co.**
Brose & Aronold
Iglehart Bros.
Phoenix Flour Mills
Ziliak & Schafer Milling Co.
FAIRMOUNT—Ulrey A. A. & Co.
FORT WAYNE—Mayflower Mills
Tresselt C. & Sons
GOSHEN—Goshen Milling Co.
HAUBSTADT—Ziliak-Shafer Milling Co.
INDIANAPOLIS—Acme-Evans Co.
Blanton Milling Co.
KENT—Kent Milling Co.
LAWRENCEBURG—Lawrenceburg Roller Mills Co.
LAFAYETTE—Lafayette Corn Flour Mills
LOOGOTEE—Walker P. M. & Co.
MARION—Thomas Milling Co.
MOUNT VERNON—Fuhrer-Ford Milling Co.
NEW HARMONY—Fuhrer-Ford Milling Co.
PERU—Peru Milling Co.
PRINCETON—Moore R. P. Miling Co.
Princeton Milling Co.
RICHMOND—Richmond Roller Mills
SHERIDAN—Sheridan Milling Co.
SHOALS—Star Milling Co.

### IOWA.

**CLARINDA—Shambaugh & Son.**
ELKADER—Schmidt Bros. & Co.
LE MARS—Plymouth Milling Co.
RED OAK—Replogle Co.
SIOUX CITY—Mystic Milling Co.
WALNUT—Walnut Milling Co.

### KANSAS.

ABILENE—Security Flour Mills Co.
ARKANSAS CITY—Arkansas City Milling Co.
New Era Milling Co.
ATCHISON—Lukens Milling Co.
BUHLER—Buhler Mill & Elevator Co.
CALDWELL—Caldwell Milling Co.
**CHERRYVALE—Sauer N. Milling Co.**
CLAFLIN—Claflin Mill & Elevator Co.
CLAY CENTER—Snell Mill & Grain Co.
CONCORDIA—Concordia Milling Co.
ELLINWOOD—Wolf Milling Co.
**EMPORIA—Soden J. R.**
FORT SCOTT—Goodlander Milling Co.
FREDONIA—Wiley Milling Co.
GREAT BEND—Barton County Flour Mills Co.
Walnut Creek Milling Co.
JUNCTION CITY—Hogan Milling Co.
KIRWIN—Jackson John W. & C. R.
LEAVENWORTH—Leavenworth Milling Co.
Lysle J. C. Milling Co.
**LEHIGH—Groening Bros.**
LINDSBORG—Lindsborg Milling & Elevator Co.
Smoky Valley Roller Mills
LYONS—Lyons Milling Co.
McPHERSON—Colburn Bros. Co.
Wall-Rogalsky Milling Co.
MOUNDRIDGE—Moundridge Milling Co.
NEODESHA—Land Milling Co.
NEWTON—Newton Milling & Elevator Co.
OSWEGO—Pearl Roller Mill Co.
RUSSELL—Russell Milling Co.
SALINA—Lee H. D. Flour Mills Co.
SYLVIA—Sylvia Larned Milling Co.
TOPEKA—Kaw Milling Co.
Page Thomas Milling Co
Shawnee Milling Co.
TROY—Clark Bros.
WELLINGTON—Hunter Milling Co.
Wellington Milling & Elevator Co.
WICHITA—Kansas Milling Co.

### KENTUCKY.

ADAIRVILLE—Orndorff & Cheney
AKERSVILLE—Akersville Roller Mill Co.
ALBANY—Hancock Bros.
ALVATON—Larmon L. M.
ARLINGTON—Neville W. N.
ASHLAND—Ashland Milling Co.
Poage R. C. Milling Co.
AUBURN—Auburn Mills
BARLOW—Stahl & Rudolph
BEAVER DAM—Beaver Dam Milling Co.
Farmers' Milling Co.
BERRY—Kendall William C.
BETHLEHEM—Sewell W. F.
BLOOMFIELD—Bloomfield Mill Co.
BOWLING GREEN—Bowling Green Milling Co.
Park City Milling Co.
BRADFORDVILLE—Walker H. C., & Co.
BROOKSVILLE—Farmers' & Merchants' Milling Co.
BUFFALO—Keith Bros.
BURNSIDE—Burnside Roller Mills
CADIZ—Adams Bros.
White A. P. & Co.
CAMPBELLSBURG—Blue Grass Milling Co.
CANE VALLEY—Cane Valley Mill Co.
CANEYVILLE—Shrewsbury & Washburn
CARLISLE—Carlisle Milling Co.
CAVE CITY—Farris Milling Co.
CAYCE—Cayce Milling Co.
CERULEAN—Standard Roller Mills Co.
CLARKSON—Clarkson Milling Co.
**CLAY POOL—Britt J. A. & Son**
CLAYSVILLE—Harding J. W.
CLOVERPORT—Squires B.
COLESBURG—Pardee C. A.
CORYDON—Corydon Milling Co.
**CRITTENDEN—Collins Richard L. & Sons**
CUMMINSVILLE—Cummins Chas.
CYNTHIANA—Crescent Milling Co.
Crown Jewel Milling Co.
DANVILLE—Anderson & Spilman
DAWSON SPRINGS—Dawson Milling Co.
DUNDEE—Renfrow & Dean
**EDMONTON—New Edmonton Mills, Inc.**
ELGIN—Albright A. & Sons'
ELIHU—Parker E. F.
ELIZABETHTOWN—Elizabethtown Milling Co.
ELKTON—Damon W. F.
EMINENCE—Eminence Milling Co.
ETOILE—Williams & Scott

KENTUCKY—continued
**EUBANK—Payne & Estes**
FALMOUTH—Ideal Roller Mills
**FRANKLIN—**
College Mill Co., Simpson County Mills
**GAMALIEL—Comer & Beals**
**GEORGETOWN—Wolfe R. H. & Son**
**GERMANTOWN—Germantown Milling Co.**
**GRADYVILLE—Rogers, Rose & Co.**
GREENSBURG—Wilson Milling Co.
GREENUP—Greenup Milling Co.
GREENVILLE—Home Milling Co.
Shaver J. A.
**HARDYVILLE—Philpot & Co.**
**HARRODSBURG—Adams & Langford**
Williams John P.
**HARTFORD—Ford J. W.**
HENSHAW—Johns Alfred Milling Co.
**HODGENVILLE—Hodgenville Roller Mills**
**HOPKINSVILLE—Acme Mills**
Cate James & Son Co.
Hopkinsville Milling Co.
**HORSECAVE—Poynter R. P. & Sons**
**HUNTERSVILLE—Spring Creek Roller Mill Co.**
IRVINE—Snowden A. D. & Bro.
**IRVINGTON—Irvington Mill & Elevator Co.**
JAMESTOWN—Kerns & Reese
KNOBLICK—Thompson T. W.
KUTTAWA—Kuttawa Milling Co.
LANCASTER—Garrard Milling Co.
Lancaster Flour Mills
**LAWRENCEBURG—Eagle Roller Mills, Inc.**
LEITCHFIELD—Leitchfield Milling Co.
LEWISPORT—Lewisport Mill Co.
**LEXINGTON—Lexington Roller Mills Co.**
Woolcott Flour Mills
LOLA—Paris W. F.
LOUISA—Big Sandy Milling Co.
LOUISVILLE—Acme-Jones Co.
**Ballard & Ballard Co.**
Louisville Cereal Mill Co.
Wathen Milling Co.
**McQUADY—Bates J. B.**
McQuady Milling Co.
**MADISONVILLE—Madisonville Milling Co**
**MARION—Baker & Mays**
Marion Milling Co.
**MAXON MILL—Temple, Adams & Sons**
**MAYSVILLE—Carr R. A.**
**MELBER—Fry John W.**
**MILLSPRINGS—Roberts B. E. & Co.**
**MINTONVILLE—Roy & Dye**
**MONTICELLO—Stokes J. J. & Son**
Tate J. H. & Co.
MOOLEYVILLE—Redmon, T. F.
**MORGANFIELD—Crown Roller Mills**
**MURPHYSVILLE—Rhodes & Gault**
**MURRAY—Moore J. J. & Son**
**NEW HAVEN—Florence B. D. & Son**
New Haven Mill Co.
NEWPORT—Dorsel Co.
NOLIN—Nolin Milling Co.
**OWENSBORO—Bransford Mills**
Broeker Chas. & Co.
PARIS—Paris Milling Co.
PARKSVILLE—Powell C. E.
**PEMBROKE—Pembroke Roller Mills**
PETERCREEK—Jones J. H.
**PRINCETON—Kevil R. U. & Sons**
**RICHMOND—Zaring J. W. Grain & Mill Co.**
**RINEYVILLE—Rineyville Roller Mills Co.**
**ROCKY HILL STATION—Philpot & Lile**
RUSSELLVILLE—Ellis T. M. & Co.
**SADIEVILLE—Sadieville Milling Co.**
SANDERS—Williams E. I. & Co.
**SCIENCE HILL—Science Hill Milling Co.**
**SCOTTSVILLE—Scottsville Milling Co.**
**SHELBYVILLE—Long S. M. & Son**
SLAUGHTERS—Ogden E. F.
**SMITHS GROVE—Model Roller Mills Co.**
**SOMERSET—Somerset Milling Co.**
**SOUTH CARROLLTON—Wolcott J. F. & Co.**
SPARTA—Brock V. A.
**STAMPING GROUND—Palmer & Sinkhorn**
**STANFORD—Baughman J. H. & Co., Inc.**
Kennedy D. V. & Co.
Lyon C. S.
Spoonamore F. P.
**STILLWATER—Rose & Cecil**
**STITHTON—Aubrey C. H.**
**STURGIS—Sturgis Milling Co.**
**SULPHER WELL—Marcum S. M. & Bro.**
SUNRISE—Bradford & Elliott
TATHAM SPRINGS—Carey Bros.
**TAYLORSVILLE—Beauchamp L. D.**
Crescent Roller Mills Co.
UNIONTOWN—Uniontown Roller Mill Co.
**VALLEY OAK—Bobbitt James H.**
VANARSDELL—Vanarsdell R. S.
**VINEGROVE—Burkhardt W. A.**
WACO—Rucker, Benton & Co.
WASHINGTON—Irvine James
WELDON—Coleman & Smith
WHITE MILLS—Richardson J. D. & Son
WHITE'S STATION—Potts R. L. & Son

## LOUISIANA.

**ALBERTA—Wardlow H. P.**
LAKE CHARLES — Louisiana Grain & Milling Co., Ltd.
**SIMSBORO—Burt W. A. & Son**

## MARYLAND.

BALTIMORE—Gambrill C. A. Mfg. Co., 104 Commerce
CUMBERLAND—Cumberland Milling Co.
FOWLING CREEK—Deen C. Clarence
POCOMOKE CITY—Eagle Mills
WALKERSVILLE—Glade Valley Milling Co.

## MICHIGAN.

**ALBION—Albion Milling Co.**
ANN ARBOR—Michigan Milling Co.
BARK RIVER—Rood M. & Co.
BIG RAPIDS—Darrah Milling Co.
BLOOMINGDALE—Bloomingdale Milling Co.
CADILLAC—Cornwall J. & Sons
CAMDEN—Alward B. R.
COLDWATER—Coombs Wm. A. Milling Co.
COLON—Lamberson C. A. & Co.
CONSTANTINE—Constantine Milling Co.
DETROIT—Detroit Milling Co., 360 Division
DOWAGIAC—Colby Milling Co.
FLINT—Burroughs J. P. & Son
GREENVILLE—Wright Bros. & Co.
HOLLAND—Beach Milling Co.
JACKSON—Heywood Milling Co.
Taylor Thomas B.
JENISON—Jenison L. & L. Co.
LAKEVIEW—Lakeview Milling Co.
MIDDLEVILLE—French R. T.
MONROE—Ameudt Milling Co.
MORENCI—Kellogg & Buck
MT. PLEASANT—Harris Milling Co.
PETOSKEY—Hankey Milling Co.
PORTLAND—Portland Milling Co.
SAGINAW—Brand & Hardin Milling Co.
Callam Mills
**SOUTH ROCKWOOD—Strong John Co.**

## MINNESOTA.

APPLETON—Jennison W. J. Co.
AUSTIN—Peerless Roller Mills Co.
BADGER—Sjoberg Bros.
**BLUE EARTH—Blue Earth City Mill Co.**
**CANNON FALLS—Cannon Valley Milling Co. (See Minneapolis)**
CROOKSTON—Crookston Milling Co.
DULUTH—Duluth Universal Milling Co.
FAIRFAX—Crescent Milling Co.
FERGUS FALLS—Fergus Flour Mills Co.
FOSSTON—Stadsvold S. S.
**FRAZEE—Stelzner Charles J.**
HUTCHINSON—Ames Bros.
KENYON—Gunderson Milling Co.
LAKE CITY—Tennant & Hoyt Co.
LITTLE FALLS—Northwestern Milling Co.
MADELIA—Christensen C. S. Co.
MARSHALL—Marshall Milling Co.
MAZEPPA—Olson & Nels M.
MELROSE—Melrose Milling Co.
**MINNEAPOLIS — Barber Milling Co.,**
Cham. Com.
Big Diamond Mills Co., 922 Flour Ex.
Blaisdell Milling Co., Met. Nat'l Bank bldg.
Cannon Valley Milling Co., 822 Flour Exch.
Christian Geo. C. & Co., Inc., New Cham. Com.
Commander Mill Co., 922 Flour Exch.
Jennison W. J. Co., 922 Flour Exch.
National Milling Co., 820 Flour Exch.
Phoenix Mill Co., 112 6th
Russell-Miller Milling Co., Security bldg.
Washburn-Crosby Co., Cham. Com.
MONTEVIDEO—Chippewa Milling Co.
MORGAN—Green Casper & Son
Morris City Mills
NORTH BRANCH—North Branch Milling Co.
NORTHFIELD—Ames Mill
CAMPBELL—L. G. Milling Co.
OSAKIS—Osakis Milling Co.
PELICAN RAPIDS—Frazee H. E.
RED WING—Red Wing Milling Co.
**ST. JAMES—St. James Milling Co.**
ST. JOSEPH—St. Joseph Milling Co.
**SHAKOPEE—Christian L. & Co., Inc.**
SPRINGFIELD—Springfield Milling Co.
**WABASHA—Wabasha Roller Mill Co.**
**WELLS—Wells Flour Milling Co.**
**WINDOM—Collins T. C. & Son**

## MISSISSIPPI.

ALPHABA—Massey H. C. & Bro.
CORINTH—Union Mill, Gin & Warehouse Co.
**EUPORA—Finch T. A.**
**LENA—Garrett Bryant**
WEST—West Gin & Mill Co.

## MISSOURI.

AURORA—Aurora Milling Co.
Majestic Milling Co.
BLOOMFIELD—Buck & Toole Milling Co.
BONNE TERRE—Moran Bros.
**BOONVILLE—Sombart Milling Co.**
BOWLING GREEN—Hume Mill Co.
**CALIFORNIA—Kuhlmann & Meyer**
CARTHAGE—Cowgill & Hill Milling Co.
McDaniel Milling Co.
CHARLESTON—Charleston Milling Co.
DE SOTO—De Soto Roller Mills
FARMINGTON—Farmington Milling Co.
Giessing Milling Co.
FLAT RIVER—Reuter Milling Co.
GLASGOW—Glasgow Milling Co.
HANNIBAL—Carter, Shepherd & Milling Co.
Hannibal Milling Co.
HERMANN—Eggers Milling Co.
HIGGINSVILLE—Higginsville Milling Co.
INDEPENDENCE—Waggoner-Gates Milling Co.
JACKSON—Cape County Milling Co.
JEFFERSON CITY — Dulle G. H. Milling Co.
JOPLIN—Brand-Dunwoody Milling Co.
KANSAS CITY—Kidder R. E. Flour Mills
Kimball Milling Co., 223 Board of Trade
Zenith Milling Co.
LEBANON—Lingoweiler, J. G.
LEXINGTON—Lexington Flouring Mills
MARSHALL—Land Mose H.
Rea & Page Milling Co.
NEOSHO—Neosho Milling Co.
NEW HAVEN—Wolff Milling Co.
ST. LOUIS—Corn Mills Co., International Life bldg.
Regina Flour Mill Co.
Saxony Mills
Standard-Tilton Milling Co., Pierce bldg.
ST. MARY'S—St. Mary's Mill Co.
SEDALIA—Sedalia Milling Co.
SPRINGFIELD—Eisenmayer Milling Co.
Link Milling Co.
TROY—Hanni Nicholas

## NEBRASKA.

ALBION—Albion Milling Co.
ARAPAHOE—Arapahoe Flour Mills
BEATRICE—Black Bros.
CAMBRIDGE—Cambridge Milling Co.
CEDAR RAPIDS—Van Ackeren Bros.
CENTRAL CITY—Jenkins J. E.
COLUMBUS—Elevator Roller Mills Co.
CRETE—Crete Mills
DAVID CITY—Etting A. E.
**FREMONT—Fremont Milling Co.**
GRAND ISLAND — Glade Henry Milling Co.
LEXINGTON—Lexington Mill & Elevator Co.
**LINCOLN—Gooch Milling & Elevator Co.**
Lincoln Mills, Inc.
LOUP CITY—Spelts A.
NORFOLK—Norfolk Cereal & Flour Mills
OMAHA—Maney Milling Co.
Updike Milling Co.
ORD—Ord Milling Co.
SCHUYLER—Wells-Abbott-Nieman Co.
SEWARD—Boyes, Hulshizer & Co.
SUPERIOR—Superior Milling Co.

## NEVADA.

RENO—Riverside Mill Co.

## NEW JERSEY.

BELVIDERE—McMurtrie Milling Co.
MILFORD—Thomas W. & W. E.
**TRENTON—Thompson A. & Co.**

### NEW MEXICO.

SOCORRO—Crown Mill Co.

### NEW YORK.

BALDWINSVILLE—Frazee James Milling Co.
Mercer Milling Co.
BATAVIA—Franklin Mills Co.
BINGHAMTON—Baker Bros.
Moon Geo. Q. & Co., Inc.
BUFFALO—Niagara Falls Milling Co.
Urban Geo. Milling Co.
CAMDEN—Penfield & Stone
COHOCTON—Larrowe Buckwheat Flour Corp'n.
CORNING—Hayt S. T. (Est. of)
ELMIRA—Chase-Hibbard Corporation
FULTON—Macwell Milling Corp.
GOUVERNEUR—McAllaster J. E. & Sons
LOCKPORT—Federal Milling Co.
MORAVIA—Selover Milling Co.
NIAGARA FALLS—Cataract City Milling Co
OGDENSBURG—Bill, Bell & Co.
ONEONTA—Elmore Milling Co.
PENN YAN—Birkett Mills
POTSDAM—Potsdam Milling Co.
ROCHESTER—Hinds J. A. & Co.
Moseley & Motley Milling Co.
VICTOR—Victor Milling Co.
WARSAW—Roberts Bros. Flour Mills, Inc.
WATERTOWN—Farwell & Rhines, Inc.

### NORTH CAROLINA.

ASHBORO—Ashboro Roller Mills
ASHEVILLE—Asheville Milling Corp'n.
BEAVER CREEK—Hamilton R. A.
BETHANIA—Bethania Stock Co.
BURLINGTON—Dixie Milling Co.
Hico Milling Co.
CANE RIVER—Byrd Milling Co.
CHAPEL HILL—Pritchard W. N. & I. W.
CHINA GROVE—China Grove Roller Mills
CRESTON—Creston Roller Mills
CROUSE—Beaver Dam Roller Mill
DEMOCRAT—Carter Milling Co.
DENTON—Denton Roller Mills
EAST BEND—Doub J. W. & Bros.
EFLAND—Efland Milling Co.
Smith W. P.
ELKIN—Elkin Roller Mills
ENTERPRISE—Arcadia Mill Co.
EURE—Storey Bros.
FARMER—Farmer Roller Mill Co.
FARMINGTON—Ellis Flour Mills
FAYETTEVILLE—McNeill Milling Co.
FRANCISCO—George R. W.
FULLERS—Fuller A. W.
GLEN ALPINE—Glen Alpine Milling Co.
GREENSBORO—North State Milling Co.
GULF—McIver J. M.
HELTON—Perkins W. J.
HICKORY—Brewer L. R.
HIDDENITE—Davis Springs Co., Inc.
HIGH FALLS—High Falls Mfg. Co.
HIGH POINT—Barker F. H.
Dixie Milling Co.
High Point Milling Co.
HILLSBORO—Walker Bros.
JULIAN—Julian Milling Co.
KERNERSVILLE—Harmon & Reid
KITTRELL—Ellis J. B.
LANDIS—Landis Milling Co.
LENOIR—Lenoir Mills, Inc.
LEXINGTON—Grimes Bros.
LIBERTY—Liberty Milling Co.
LINCOLNTON—Banner Roller Mills (Inc.)
Lincoln Milling Co.
MADISON—McMichael J. P. & Co.
MAIDEN—Murray, Williams & Co.
MEBANE—Cook Milling Co.
MIDDLEBURG—Fleming E. L.
MILTON—Milton Mill Co.
MOCKSVILLE—Horne-Johnson Co.
MONROE—Henderson Roller Mills Co.
NASHVILLE—Warren Milling Co.
NEWTON—Newton Roller Mills
NORTH WILKESBORO—North Wilkesboro Roller Mills
OAKS—Morrow's J. Sons
RALEIGH—Lassiter C. J.
REEPSVILLE—Howard Creek Mill Co.
RICH SQUARE—Farmers' Ginning & Milling Co.
ROCKFORD—Kurfees C. F.
RUSK—Dobbins T. A. & Co.
SALISBURY—Grimes Milling Co.
SELWIN—Hollowell & Bunch
SILER CITY—Siler City Milling Co.
SILOAM—Martin O. J.
SOUTH LOWELL—Russell Robert G.
SOUTH RIVER—Tatum P. O.
SPARTA—Sparta Roller Mill Co.
STATE ROAD—Hanes Roller Mills
STATESVILLE—City Flour Milling Co.
Star Milling Co.
Statesville Flour Mill Co.
SUGAR GROVE—Watauga Roller Mills
TAYLORSVILLE—Taylorsville Milling Co.
TELEPHONE—Telephone Roller Mill Co.
THOMASVILLE—Ward John & Co.
TROY—Troy Milling Co.
WAYNESVILLE—McCracken M. J.
WESTFIELD—Westfield Milling Co.
WINSTON-SALEM—Forsyth Roller Mills
Southside Roller Mills
Wachovia Mills
WOODLEAF—Rice & Rutledge
WORRY—Henderson L. P.
YADKINVILLE—Hinshaw S. T. & Co.

### NORTH DAKOTA.

GRAFTON—Grafton Roller Mill Co.
KULM—Kulm Mill Co.
LIDGERWOOD—Lidgerwood Co-op. Milling Co.
PARK RIVER—Park River Milling Co.
RUGBY—Rugby Milling Co.
WILLISTON—Williston Mill Co.

### OHIO.

ASHTABULA—Reidenbach R. P.
BELLEFONTAINE—Colton Bros. Co.
CINCINNATI—Felss Flour Milling Co.
COSHOCTON—Lee Edwin S.
DAYTON—Durst Milling Co.
HAMILTON—Carr Milling Co.
IRONTON—Goldcamp Mill Co.
KENT—Williams Bros. Co.
LANCASTER—Graham Milling Co.
LIMA—Holdridge Hiram A. Co.
MARIETTA—Phoenix Mill Co.
MASSILLON—Warwick Co.
MILLERSBURG—Miller J. D. & J. L.
ORRVILLE—Orrville Milling Co.
PIQUA—Piqua Milling Co.
ROSCOE—Lee Milling Co. (See Coshocton)
ST. MARY'S—Gordon-Hauss-Folk Co.
SPRINGFIELD—Ansted & Burk Co.
TOLEDO—Mennel Milling Co.
Toledo Grain & Milling Co.
YOUNGSTOWN—Baldwin Homer (Est. of)

### OKLAHOMA.

ALTUS—Leger Mill Co.
ALVA—Alva Roller Mills
ANADARKO—Anadarko Milling Co.
ARDMORE—Ardmore Milling Co.
BLACKWELL—Blackwell Milling & Elevator Co.
CASHION—El Reno Mill & Elevator Co.
CENTRALIA—Tate W. C. & Son
CHICKASHA—Chickasha Milling Co.
CUSTER—Custer Milling Co.
Hobart Mill & Elevator Co.
DEER CREEK—Blackwell Milling & Elevator Co.
DOVER—Dover Milling Co.
EL RENO—Canadian Mill & Elevator Co.
Elreno Mill & Elevator Co.
ENID—Enid Milling Co.
Millers Milling Co.
FAY—Thomas Milling Co.
GAGE—Gage Roller Mills
GARBER—Garber Mill & Elevator Co.
GEARY—Geary Milling & Elevator Co.
GOLTRY—Enid Mill & Elevator Co.
GROVE—Killam O. W. & W. T.
GUTHRIE—Guthrie Mill & Elevator Co.
HENNESSY—Star Mill & Elevator Co.
HOBART—Hobart Mill & Elevator Co.
HUGO—Hugo Milling Co.
KINGFISHER—El Reno Mill & Elevator Co.
Kingfisher Mill & Elevator Co.
Oklahoma Mill Co.
KREMLIN—Enid Milling Co.
MADILL—Madill Grain & Elevator Co.
MANGUM—Mangum Milling Co.
MENO—Meno Milling Co.
MOORE—Norman Milling & Grain Co.
MUSKOGEE—Davidson Mill & Elevator Co.
NEWKIRK—Arkansas City Milling Co.
NORMAN—Norman Milling & Grain Co.
OKARCHE—El Reno Mill & Elevator Co.
Kingfisher Mill & Elevator Co.
OKLAHOMA—continued
OKLAHOMA—Acme Milling Co.
Oklahoma City Mill & Elevator Co.
Plansifter Milling Co.
PERRY—Perry Mill Co.
PONCA CITY—Ponca City Milling Co.
SALT FORK—Blackwell Milling & Elevator Co.
SHAWNEE—Shawnee Milling Co.
SKIATOOK—Stringer J. M.
STILLWATER—Stillwater Milling Co.
TAHLEQUAH—Tahlequah Mill & Elevator Co.
TANGIER—Alva Roller Mills
THOMAS—Hobart Mill & Elevator Co.
TULSA—Rea & Reed Mill & Elevator Co.
WEATHERFORD — Weatherford Milling Co.
WYNNEWOOD—Kemp J. W.
YUKON—Yukon Mill & Grain Co.

### OREGON.

FREEWATER—Peacock Mill Co.
ISLAND CITY—Pioneer Flouring Mill Co.
LA GRANDE—La Grande Milling Co.
PRINEVILLE—Stewart & Carlson
ST. JOHNS—Jobes Milling Co.
STAYTON—Gardner A. D.

### PENNSYLVANIA.

ARDEN—Leech J. C.
ASHVILLE—Weber J. J.
BELLEFONTE—Gamble, Geo. M. Co.
BERNVILLE—Sunday J. D.
BETHLEHEM—Luckenbach D. & A.
BLOOMSBURG—Ikeler Roland R.
BROOKVILLE—Kline Mrs. Elizabeth
CARBONDALE—Carbondale Milling Co.
CARMICHAELS—Neil James & Co.
CLARKSTOWN—Bieber Williams S.
COLUMBIA—Columbia Milling Co.
CONNELLSVILLE—Perry & Henderson
CORRY—Evrbest Milling Corp.
Heath F. L.
Miller & Parsons
Vantassel R. H.
DUNCANNON—Duncannon Flouring Mil Co.
EASTON—Williams Frank C.
EMLENTON—Emlenton Milling Co., Ltd.
EMPORIUM—Emporium Milling Co.
ERIE—Crouch Bros. Co.
FALLS—Brown C. A.
HANOVER—Penn Mill Co.
HOWARD—Long W. H.
INDIANA—Hetrick Wilson & Co.
LAURY'S STATION—Mauser Mill Co.
LEBANON—Strickler C. F. & W. H. Milling Co.
Lebanon Milling Co.
LEWISTOWN — Spanogle-Yeager Milling Co.
LUZERNE—Luzerne Milling Co.
MACUNGIE—Fritch D. D. & N. D.
MANHEIM—Manheim Milling Co.
MIFFLIN—Manbeck W. H. & Co.
MILFORD SQUARE—Campbell E. D.
MILL HALL—Knecht Milling Co.
NEW BETHLEHEM—Red Bank Mills
NORTH EAST—Blaine-Mackay-Lee Co.
PARKER'S LANDING—Parker Milling Co.
PAXINOS—Vought Milling Co.
PHILADELPHIA—Buffalo Flour Milling Co., Central Tr. bldg
Quaker City Flour Mills Co., 3040 Market
PIKESVILLE—Reitnauer James
Yoder Ellis Y.
ROCKWOOD—Rockwood Milling Co.
SCHNECKSVILLE—Hollenbach Frank H.
SELINGSGROVE—Monroe Milling Co.
Youngman J. F.
SHAWVILLE—Shaw A. B. Estate
SUNBURY—Blank & Gottshall
Kift Milling Co.
TREICHLERS—Mauser Mill Co.
TROUT RUN—Berger Mrs. Chas. E.
TYRONE—Tyrone Milling Co.
WALTERSBURG—Brown Asahel C. & Son
WAMPUM—Wampum Mill Co.
WERNERSVILLE—Wertz Robert W.
YARDLEY—Yardley Mills Co.

### SOUTH CAROLINA.

CHARLESTON—Blohme Milling Co.
FLORENCE—Florence Ginning & Milling Co.
GREENVILLE—Eagle Roller Mills
Mountain City Milling Co.
LEESVILLE—Barr C. D.
LEXINGTON—George E. J.
PENDLETON—Timms S. R.
SIMPSONVILLE—Adams W. A.
SPARTANBURG—Bell J. W.
Spartanburg Grain & Mill Co.
Spartanburg Roller Mills

### SOUTH DAKOTA.

ABERDEEN—Aberdeen Mill Co.
BELLE FOURCHE—Tri State Milling Co.
GROTON—Groton Milling Co.
MADISON—Madison Mill & Grain Co.
**WATERTOWN—Stokes Milling Co.**
**WEBSTER—Webster Mill Co.**

### TENNESSEE.

**ADAMS—Winters J. H. & Son**
AFTON—Babb Mill Co.
ANDERSONVILLE—Williams R. B.
ASPEN HILL—Williams & Simpson
ATHENS—Athens Roller Mills
ATWOOD—Murchison D. T.
BARTLETT—Gotten D. H.
BELLBUCKLE—Bellbuckle Milling Co.
BELVIDERE—Belvidere Milling Co.
**BETHPAGE—Thompson R. M.**
BIG SANDY—Hastings J. W. & Son
**BLUFF CITY—Bluff City Mills, Inc.**
BODENHAM—Patrick & Shore
BOLIVAR—Breedon Geo. W.
BOMA—Braswell S. G.
BRADFORD—Bradford Milling Co.
BRISTOL—Barrow-Scott Milling Co.
Twin City Mill Co.
BROWNSVILLE—Crandell W. W.
**BUMPUS MILLS—Saline Valley Roller Mills**
BURNS—Anderson S. J.
CALHOUN—Saulpaw G. L. & Son
CEDAR HILL—Cedar Hill Roller Mill
**CHARLOTTE—Charlotte Roller Mills**
CHATTANOOGA—Mountain City Mill Co.
Shelton Mills
**CLARKSVILLE—Dunlop Milling Co.**
CLEVELAND—Cleveland Milling Co.
Cox, A. J.
Skyes Milling Co.
CLINTON—Linebaugh W. A.
COLUMBIA—Ashton J. B.
City Mill & Grain Co.
Columbia Mill & Elevator Co.
COOKEVILLE—Cookeville Roller Mills
COVINGTON—Covington Milling Co.
CROSS PLAINS—Durrett J. W. & Son
DANDRIDGE—Hill W. C.
Walker John
**DANVILLE—Grafried W. F.**
DAYTON—Dayton Milling Co.
DECHERD—Dechard Mill Co.
DIXON SPRINGS—Dixon Springs Milling Co.
**DOVER—Cox W. H.**
DOYLE—Doyle Roller Mills
DUKEDOM—Dukedom Roller Mill Co.
DYERSBURG—Forked Deer Milling Co.
EBENEZER—Atchley P. S.
ELIZABETHTON—Monarch Milling Co.
Watauga Flouring Mill
ENVILLE—Enville Mill & Gin Co.
**ERIN—Boone Bros.**
**ESTILL SPRINGS—Goddard & Co.**
FAYETTEVILLE—Fayetteville Milling Co.
FRANKLIN—Farr D.
FRIENDSVILLE — Friendsville Roller Mills
**GEORGETOWN—White Oak Mountain** Mill Co.
GLEASON—Whitworth R. J.
GORDONSVILLE—Gordonsville Milling Co.
GREENFIELD—Ward J. H. & Co.
HARRIMAN—Harriman Milling Co.
HARTSVILLE—Hartsville Milling Co.
HENDERSONVILLE—Dorris E. A. & Sons
HENNING—Turner E. H.
HICKMAN—Hickman Milling Co.
**HILLSBORO—Justice J. H.**
HILLSDALE—Eller W. J.
HOLLOW ROCK—Hollow Rock Roller Mill
HORNBEAK—Hornbeak Milling Co.
HUNTINGDON—Dill John B.
**JACKSON—McCabe E. R. & Co.**
JEFFERSON CITY—Peck Mill & Grain Co.
JOHNSON CITY—Model Mill Co.
**KNOXVILLE—Peters & Bradley Mill Co.**
Scott Mill Co.
Smith J. Allen & Co.
LA FOLLETTE—Ausmus W. M. Co.
LASCASSAS—Brown E. G.
LAWRENCEBURG — Lawrenceburg Milling Co.
LEBANON—Cedar City Mills
LEWISBURG—Lewisburg Mill & Elevator Co.
**LIMESTONE—Williams Bros.**
LITTON—Hale J. H. & Son
LIVINGSTON—Livingston Roller Mill Co.
LONE MOUNTAIN—Lone Mountain Milling Co.
LOUDON—Newport Mill Co.
Roberson John W. & Co.
LYNCHBURG—Locke R. A.
McKENZIE—McKenzie Milling Co.
McMINNVILLE—Walling's Jesse Mills
MADISONVILLE—Madisonville Flouring Mills
MARTIN—Stafford Milling Co.
MEMPHIS—Davis & Andrews Co.
Yates & Donelson Co.
MERCER—Rainey T. C. & Sons
**MILAN—Fuqua J. J.**
**MILLIGAN COLLEGE—Hendrix J. A.**
MULBERRY—Farrar R. L.
**NASHVILLE—Ford Flour Co.**
Jones J. A. & O. L. Mill & Elevator Co.
Liberty Mills
Nashville Roller Mills
Riverside Mills
Royal Milling Co.
Southern Milling Co.
**NEWBERN—Grisham C. S. & Co.**
NEWPORT—Newport Mill Co.
**NEW TAZEWELL—Myers & Davis**
OBION—Obion Mill & Elevator Co.
**OLIVER SPRINGS—Diggs S.**
PARIS—Paris Milling Co.
PORTLAND—Portland Milling Co.
**PULASKI—Pulaski Roller Mills**
RAHT—Hooper Milling Co.
READYVILLE—Hayes & McFerrin
**ROCKWOOD — Davidson-East-Molyneaux Co.**
ROGERSVILLE—McDonald J. W. & Son
Rogersville Mill Co.
**RUTHERFORD—Nethercott R.**
**SHELBYVILLE—Kingston J. B. & Co.**
Riverside Mill Co.
SMYRNA—Davis Bros.
**SPARTA—Mayberry Q. B. & Son**
Sparta Mill Co.
SPRING CITY—Spring City Mill Co.
SPRINGFIELD—England Bros.
Ogburn Samuel D.
**STRAWBERRY PLAINS—Straw Plains Milling Co.**
SWEETWATER—Eagle Flouring Mill Co.
TALBOTT—Acme Milling Co.
TRENTON—Forked Deer Mfg. Co.
TROY—Troy Roller Mills
TULLAHOMA—Middle Tennessee Milling Co.
**UNION CITY—Dahnke-Walker Milling Co.**
VIOLA—Viola Milling Co.
VONORE—Vonore Flouring Mills
WASHBURN—Cameron Joe T.
WATAUGA—St. John J. T.
**WATERTOWN—Watertown Milling Co.**
WILLETTE—Highland Mill Co.
WILLISTON—Walker I. J.
WILLOW GROVE—Willow Grove Milling Co.
**WINCHESTER—Winchester Milling Co.**
WINDLE—Allen M. M.
**WOODBURY—Blanks J. C.**

### TEXAS.

ALICE—Citizens Mill & Gin Co.
ANDERSON—Becker Emil
ATLANTA—
BEN FRANKLIN—
BLUM—Blum Roller Mills
BROWNWOOD—Austin Mill & Grain Co.
**BYERS—Erwin J. M.**
CELINA—
CENTERPOINT—Centerpoint Roller Mill Co.
CHILLICOTHE—Orient Milling Co.
**COMFORT—Flach Ernest**
**DALLAS—Stanard-Tilton Milling Co.**
DECATUR—Lillard Milling Co.
**DENTON—Alliance Milling Co.**
Denton Milling Co.
DUBLIN—Dublin Mill & Elevator Co.
EAGLE LAKE—Stoermer G. A.
EAST BERNARD—Koym H. W.
EL PASO—El Paso Grain & Milling Co.
FARMERSVILLE—Farmersville Mill & Light Co.
**FORT WORTH—Bewley Mills**
**Burrus Mill & Elevator Co.**
GALVESTON—Anchor Milling Co.
Texas Star Flour Mills
GAYHILL—Krause F. A.
GLEN ROSE—Price A. J. & Son
GRAHAM—Graham Mill & Elevator Co.
GREENVILLE—Greenville Mill & Elevator Co.
HAMILTON—Weiser H. M.
HONDO—Hondo Gin & Milling Co.
ITASCA—Itasca Roller Mills & Elevator Co.
JACKSBORO—Jacksboro Mill & Elevator Co.
JUSTIN—Justin Mill & Elevator Co.
KILGORE—Choice J. I.
McKINNEY—Collin County Mill & Elevator Co.
MARSHALL—Marshall Mill & Elevator Co.
MERIDIAN—Meridian Mill Co.
MEXIA—Wallace W. H.
MUNDAY—Munday Mill & Elevator Co.
NECESSITY—Andrews W. A. & Son
**NEW BRAUNFELS—Dittlinger H. Roller Mills Co.**
PARIS—Paris Milling Co.
**PILOT POINT—Pilot Point Roller Mill Co.**
PRAIRIEVILLE—Prairieville Gin & Mill Co.
RHOME—Rhome Milling Co.
SAN ANTONIO—Guenther C. H. & Son
SANGER—Sanger Mill & Elevator Co.
SEGUIN—Seguin Milling & Power Co.
SHERMAN—Chapman Milling Co.
Diamond Mill Co.
Smith G. B. R. Milling Co.
STAMFORD—Stamford Mill & Elevator Co.
**TAYLOR—Taylor Milling Co.**
TEMPLE—Willig Bros.
TERRELL—Terrell Milling Co.
THORNTON—McLelland John C.
TROUP—Rucker J. B. & Son
**UVALDE—Uvalde Gin & Milling Co.**
**VAN ALSTYNE—Van Alstyne Roller Mills**
VERNON—Kell Milling Co.
WACO—Waco Mill & Elevator Co.
WAXAHACHIE—Modern Milling & Mfg. Co.
WEATHERFORD—Crystal Palace Flouring Mills Co.
WHITEWRIGHT—Beatrice Milling Co.

### UTAH.

LAYTON—Layton Milling & Elevator Co.
LOGAN—Thatcher Milling & Elevator Co.

### VERMONT.

BURLINGTON—Burlington Flouring Co.

### VIRGINIA.

**ABINGDON—Abingdon Milling Co.**
Vance R. B.
ALDIE—Douglass J. E. & Son
APPOMATTOX—Smith L. E. & Bros.
ASHLAND—Newman E. W.
ATKINS—Musser D. B.
BENTONVILLE—Bentonville Milling Co.
BLAND—Mustard Bros.
BRIDGEWATER—Natural Falls Milling Co.
BROADFORD—Roberts J. S. & Co.
BROAD RUN—Furr & Kerr
BURKES GARDEN—Burkes Garden Mills
CAMBRIA—Rigby James & Son
**CEDAR BLUFF—Cedar Bluff Roller Mills**
CEDAR SPRINGS—Keesling & Son
CHAMPE—Baskerville & Jones
CHARLOTTSVILLE—Brown Milling Co.
**Lovegrove Milling & Feed Co., Inc.**
CHATHAM—Moses F. L. & Bro.
**CHILDRESS—Childress Mills**
CHILHOWIE—Chilhowie Milling Co.
**CLIFTON FORGE—Clifton Forge Milling & Feed Co., Inc.**
COVINGTON—Alleghany Milling Co.
**McAllister & Bell, Inc.**
**CREWE—Crewe Roller Mills**
CRIMORA—Harman & de Rundeau
CROCKETT—Groseclose J. C.
DANVILLE—Dan Valley Mills
DEARBORN—Baldock & Co.
DELAPLANE—Delaplane C. C.
DRAPERS—Rex Milling Co.
DUBLIN—Dublin Roller Mills
EDINBURG—Edinburg Milling Co.
Fadeley Harrison
ESSEX MILL—Hoskins & Hundley
FALLS MILLS—Harry I. H.
**FARMVILLE—Farmville Mills, Inc.**
FINCASTLE—Howell A. T.
FISHER'S HILL—Keller John H.
FORT DEFIANCE—Knightley Milling Co.
**FREDERICKSBURG—Germania Mills, Inc.**
GAINESBORO—De Haven B. F.
**GATE CITY—Jayn W. T.**
Johnson Bros.
GILMORES MILLS—Chiles E. N. & Co.
**GLADE SPRING—De Busk John**
GLADYS—Marshall James G.
GLOUCESTER—Weaver Ira B.

HARRISONBURG—Harrisonburg Milling Co.
Mutual Milling & Supply Co., Inc.
HEBRON—Fisher & Stables
HORNERS—Coates F. C.
HOUSTON—Banister Mills
Yates J. A.
HYACINTH—Northern L. B.
INDEPENDENCE—Independence Electric & Milling Co.
KILMARNOCK—Lancaster Roller Mills
LAWRENCEVILLE—Lawrenceville Mill & Ice Corp.
LEXINGTON—Lee S. A.
LIVELY—Norris Robert O.
LOWESVILLE—Woodson J. B.
LURAY—Brumback F. C. & Son
Page Milling Co.
LYNCHBURG—Lynchburg Milling Co.
Piedmont Mills, Inc.
LYNNWOOD—Coiner Milling Co.
MARION—Staley H. B. Co.
MARTINSVILLE—Aaron Bros.
MENDOTA—Barker Frank M.
MIDDLETOWN—Middletown Milling Co.
MINERAL—Mineral Milling Co., Inc.
MOSSY CREEK—Augusta Milling & Mercantile Co.
NARROWS—Narrows Milling Co., Inc.
NELLYFORD—Witt S. W. & J. W.
NEW CASTLE—Craig Mills
NEW MARKET—
Manor J. D. & Co.
Stultz C. M.
NORTH RIVER—Crawn Bros.
NORTH TAZEWELL—Star Milling Co.
PENN LAIRD—
PETERSBURG—Munt H. F.
Virginia Consolidated Milling Co., Inc.
PORT REPUBLIC—Port Republic Milling Co.
PULASKI—Pulaski Mills
PURCELLVILLE—Loudoun Valley Milling Co.
RAPIDAN—Holladay Henry T. Jr.
RICHMOND — Dunlop Mills (Warner, Moore & Co.)
Manchester Mills, Inc.
Mayo Milling Co.
ROANOKE—Howery-Taylor Milling Co., Inc.
Huff & Cook
Lindsey, Robinson & Co.
SALEM—Shank Milling Co.
SCOTTSVILLE—Scottsville Flour Mills.
SLATE RIVER MILLS—Slate River Milling Co.
SNOWVILLE—Snowville Milling Co.
SOUTH BOSTON—Boston Milling Co.
STANDARDSVILLE—Jarrell Bros.
STAUNTON—
Brand William F.
White Star Mills
STEELES TAVERN—Midway Milling Co.
STEPHENS CITY—Stephens City Milling Co.
STONE MOUNTAIN—Morgan John T. & Son
STRASBURG—Strasburg Steam Flouring Mills
SUFFOLK—Virginia Mills, Inc.
TOSHES—Giles, Son & Hubbard
Lee Milling Co.
TREE—Farmers' Milling Co.
WALKERTON—Mitchell A.fl
Walkerton Milling Co.
WALLACE—Phillips & Dickenson
WARM SPRINGS—Agner D. B.
Miller W. H. & Son
WARRENTON—Warrenton Flour Mills
WAYNESBORO—Coiner J. N.
Palmer Edward
Waynesboro Milling Co.
WEYER'S CAVE—Rockland Milling Co.
WOODSTOCK—French William S.
WYTHEVILLE—Browning S. W.
Dix Bros.
Monarch Milling Co.

### WASHINGTON.

CRESTON—Creston Milling Co.
DAVENPORT—Big Bend Milling Co.
ELLENSBURG—Tjossem R. P. & Son
EVERETT—Everett Flour Mill Co.
HARTLINE—Hartline Mill & Elevator Co.
PATAHA CITY—Houser & Son
PROSSER—Taylor & Kemp
RITZVILLE—Ritzville Flouring Mills
SPOKANE—Spokane Flour Mills
TACOMA—Puget Sound Flouring Mills Co.
Tacoma Grain Co.
VANCOUVER—Vancouver Flour Mills Co.
WAITSBURG—Preston-Shaffer Milling Co.
WALLA WALLA—Dement Bros. Co.
WENATCHEE—Wenatchee Milling Co.

### WEST VIRGINIA.

ALASKA—Long P. Beauregard
ALDERSON—Greenbrier Milling Co.
AUGUSTA—Augusta Milling Co.
BOAZ—Boaz Milling Co.
BRUCETON MILLS—Bruceton Milling Co.
BUCKHANNON—Star Milling Co.
BUNKERHILL—Cline Samuel S.
CAIRO—Cairo Milling Co.
CAMERON—Hagans & Isleman
Watson Bros. & Co.
CEREDO—Evick Thomas A.
CHARLESTON — Charleston Milling & Produce Co.
COTTAGEVILLE—Cottageville Milling Co.
ELIZABETH—Winland W. V.
ELK GARDEN—Oates Isaac E. & Son
ELKINS—Elkins Milling Co.
Grove Feed & Storage Co.
ELLIS—Moody P. S.
ELM GROVE—Elm Grove Milling Co.
FAIRMONT—Fairmont Feed & Storage Co.
Fairmont Grain & Milling Co.
Fleming Arch
FLEMINGTON—Flemington Mill Co.
FRANKLIN—Byrd D. M.
GLEN EASTON—Harris's J. M. Sons
GORMANIA—Duling Henry L.
GRAFTON—Exchange Mill Co.
Musgrove N. C.
GRIFFITHSVILLE—Carper J. L.
HINTON—Hinton Milling Co.
HUNDRED—Hundred Milling Co.
HUNTINGTON—Gwinn Bros. & Co.
IUKA—Stamm Jacob
KEYSER—Potomac Milling & Ice Co.
LEETOWN—Gardner Bros.
LEVELS—Synder M. L. & Sons
LOUDENVILLE—Watson Bros. & Co.
MANNINGTON—Boor & Davis
MARQUESS—Bolyard Nelson
MARTINSBURG—Parks Alexander
MASONTOWN—Street F. L.
MATHIAS—Mathias P. S. & Co.
Stultz Ben F.
MILL CREEK—Rosencrance, Clay C.
MILTON—Harshbarger Milling Co.
MOOREFIELD—Hardy County Milling Co.
Wilson D. L.
MORGANTOWN—Tenant A. W.
Victor Mills Co.
MOUNDSVILLE—Martin Arch T.
NEW HAVEN—New Haven Midget Milling Co.
NICKELLS MILLS—Nickells C. C.
NORTH MOUNTAIN—Independent Roller Milling Co.
Peerless Milling Co.
READER—Burgess M. W. & J. G.
REEDY—Reedy Mill Co.
ROMNEY—Farmers' Exchange
RONCEVERTE—Miller J. M.
RUDDLE—Byrd Arlie C. & Co.
SAINT ALBANS—Nunberger Jos.
SAINT MARYS—Saint Mary's Milling Co.
SHEPARDSTOWN—Whiting Milling Co.
SHINNSTON—Lucas Bros.
SILVERTON—Suck Theodore
SPENCER—Farmers' Roller Mills
SUTTON—Sutton Grocer & Milling Co.
TANNER—Tanner Mill Co.
TERRA ALTA—Welch U. S.
TURTLE CREEK—Canterbury A. C.
WARDENSVILLE—McKeever A. Boyd
WESTON—Weston Milling Co.
WHEATLAND—Feagans W. C.
WHITE SULPHUR SPRINGS—Mountain Milling Co.
WILLIAMSPORT—Cassady D. L. & Bro.

### WISCONSIN.

BLACK RIVER FALLS—Charter Oak Milling Co.
BLOOMER—Bloomer Mill Co.
CHIPPEWA FALLS—Consolidated Milling Elevator & Power Co.
GALESVILLE—Davis Mill Co.
GRAND RAPIDS—Grand Rapids Milling Co.
GRANTSBURG—Hickerson Roller Mill Co.
GREEN BAY—Hess G. B. Co.
MARINETTE—Marinette Flour Mill Co.
MILWAUKEE—Krause C. A. Milling Co., 37 & Burnham
STEVENS POINT—Jackson Milling Co.
WATERTOWN—Globe Milling Co.
WAUSAU—Cereal Mills Co.

## 4902— Flour (Rye)

Alert Mills, Fountain City, Wis.
Arndt Bros., Sheboygan, Wis.
Bay State Milling Co., Winona, Minn.
Blair Milling Co., Atchison, Kans.
Blodgett Holmes Co., Janesville, Wis.
Boutwell Milling & Grain Co., Troy, N. Y.
Campbell L. G. Milling Co., Northfield, Minn.
Clyde Milling & Elevator Co., Clyde, Kans.
Coombs Wm. A. Milling Co., Coldwater, Mich.
Cox A. G., Osseo, Wis.
Crete Mills, Crete, Neb.
Dayton Milling Co., Towanda, Pa.
Dean Silas & Son, Oak Hill, N. Y.
Eagle Roller Mill Co., New Ulm, Minn.
Fremont Milling Co., Fremont, Neb.
Friedline Wm., Sipesville, Pa.
Gilbert & Nichols Co., Fulton, N. Y.
Harris Milling Co., Mt. Pleasant, Mich.
Heisel C., Est. of, Plattsmouth, Neb.
Kearney Flour Mills, Kearney, Neb.
Krueger & Lachmann Milling Co., Neenah, Wis.
Loberg Milling Co., Nelsonville, Wis.
Menomonie Milling Co., Menomonie, Wis.
Minneapolis Cereal Co., 1238 Jackson, Minneapolis, Minn.
Montrose Milling Co., Montrose, Minn.
New Occidental Mill Co., Minneapolis, Minn.
New Ulm Feed & Cereal Mill Co., New Ulm, Minn.
Phoenix Milling Co., Sacramento, Cal.
Saginaw Milling Co., Saginaw, Mich.
Smith Joseph & Co., Stockton, N. J.
Struve John, Lyons, Ia.
Van Wyck & Stringham, Fishkill Plains, N. Y.
Vorhis F. C., Brookton, N. Y.
Walker W. W. Milling Co., Alden, Minn.
Wells-Abbott-Nieman Co., Schuyler, Neb.
Western Star Mill Co., Salina, Kans.
Willy & Co., Appleton, Wis.
Wright, Stillman & Co., Berlin, Wis.

## 4903— Flour (Tapioca)

Bauer Philip Co., 25 W Broadway, New York
Leyland Thos. & Co., Readville, Boston, Mass.
Morningstar Chas. & Co. (Imp.), 233 B'way, New York
Tanner Chas S. Co., 250 So Water, Providence, R. I.

## 4904-5— Flour (Wheat)

Ansted & Burk Co., Springfield, O.
Arndt Bros., Sheboygan, Wis.
Atlanta Milling Co., Atlanta, Ga.
Baldwin Dwight M., Jr., 2219 Pillsbury av, Minneapolis, Minn.
Ballard & Ballard Co., Louisville, Ky.
Bay State Milling Co., Winona, Minn.
Big Diamond Mills Co., 922 Flour Exch., Minneapolis, Minn.
Blish Milling Co., Seymour, Ind.
Brickley F. M. & Co., Prairie du Rocher, Ill.
Campbell L. G. Milling Co., Northfield, Minn.
Capitol Milling Co., Los Angeles, Cal.
Cataract City Milling Co., Niagara Falls, N. Y.
Commercial Milling Co., 45 Randolph, Detroit, Mich.
City Mills Co., Columbus, Ga.
Coombs Wm. A. Milling Co., Coldwater, Mich.
Cox A. G., Osseo, Wis.
Crete Mills, Crete, Neb.
Denesia C. W., Evans Mills, N. Y.
Eagle Roller Mill Co., New Ulm, Minn.
Elevator Roller Mills, Co., Columbus, Neb.
Esche-Nelson Milling Co., Manawa, Wis.
Fall Creek Milling Co., Ithaca, N. Y.
Fergus Flour Mills Co., Fergus Falls, Minn.
Fremont Milling Co., Fremont, Neb.
Gambrill C. A. Mfg. Co., 104 Commerce, Baltimore, Md.
Globe Grain & Milling Co., Los Angeles, Cal.
Greenville Milling Co., Greenville, Ky.
Groton Milling Co., Groton, S. Dak.
Halliday H. L. Milling Co., Cairo, Ill.
Halstead Milling & Elevator Co., Halstead, Kan.
Hannah & Lay Co., Traverse City, Mich.
Harris Milling Co., Mt. Pleasant, Mich.
Hayden Wm. Milling Co., Tecumseh, Mich.
Holley Milling Co., Ogden, Utah
Hungarian Flour Mills, Denver, Colo.

FLOUR (WHEAT)—continued
Johnson Educator Food Co. (Entire), 100 Sidney, Cambridge, Mass.
Kansas Milling Co., Wichita, Kans.
Kern J. B. A. & Sons, Milwaukee, Wis.
Kimball Milling Co., 223 Board of Trade, Kansas City, Mo.
Krueger & Lachmann Milling Co., Neenah, Wis.
La Grange Mills, Red Wing, Minn.
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind.
Liken John C. & Co., Sebewaing, Mich.
Listman Mill Co., La Crosse, Wis.
Loberg Milling Co., Nelsonville, Wis.
Mennel Milling Co. ("Doughboy", "Mainspring", "A No. 1"), Toledo, O.
Michigan Milling Co., Ann Arbor, Mich.
Montrose Milling Co., Montrose, Minn.
Morris City Mills, Morris, Minn.
National Milling Co., Toledo, O.
New Prague Flouring Mill Co., New Prague, Minn.
New Ulm Roller Mill Co., New Ulm, Minn.
Norton Willis & Co., Topeka, Kans.
Holley Milling Co., Ogden, Utah
Paterson Geo. B., Burdett, N. Y.
Perry Mill Co., Perry, Okla.
Piloid Milling Co., Swanton, O.
Pillsbury Flour Mills Co., 3d fl Met. Life bldg, Minneapolis, Minn.
Pinckneyville Milling Co., Pinckneyville, Ill.
Portland Flouring Mills Co., Portland, Ore.
Red Wing Milling Co., Red Wing, Minn.
Russell Miller Milling Co., Valley City, North Dak.
Saginaw Milling Co., Saginaw, Mich.
Saxony Mills Corp., St. Louis, Mo.
Schultz, Baujan & Co., Beardstown, Ill.
Sheffield-King Milling Co., 3d fl Cham. Com., Minneapolis, Minn.
Sparks Milling Co., Alton, Ill.
Sperry Flour Co., San Francisco, Cal.
Superior Milling Co., Superior, Neb.
Tennant & Hoyt Co., Lake City, Minn.
Thoman F. Milling Co., Lansing, Mich.
Thompson Milling Co., Lockport, N. Y.
Tiger Shoals Milling Co., Wellford, S. C.
Valley City Milling Co., Grand Rapids, Mich.
Voigt Milling Co., Grand Rapids, Mich.
Washburn-Crosby Co., Cham. Comm., Minneapolis, Minn.
Waterloo & Cedar Falls Union Mill Co., Cedar Falls, Ia.
Wells-Abbott-Nieman Co., Schuyler, Neb.
Willshire Milling Co., Willshire, O.
Willy & Co., Appleton, Wis.

## Flour (Wood)

See Wood Flour

## 4906— Flues (Smoke)

Alberne Stone Co., 223 E 23d, New York
Daly M. J. & Sons, Waterbury, Conn.
**DOVER BOILER WORKS,** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Pittsburgh-Des Moines Steel Co. (also Chimney), 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Scannel Boiler Wks., Lowell, Mass.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Vulcan Sheet Metal & Mfg. Co., 45 Fulton, New York

## 4907— Flumes (Iron)

Casey-Hedges Co., Chattanooga, Tenn.
**CALIFORNIA CORRUGATED CULVERT CO.,** Calco, Los Angeles & Berkeley, Cal.
**COAST CULVERT & FLUME CO.,** Portland (Kenton Sta.), Ore. *See adv index at end of book*
**DOVER BOILER WORKS** (Also Steel), Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Fitz Water Wheel Co., Hanover, Pa.
Graver, East Chicago, Ind. *See adv index at end of book*
Hardesty Mfg. Co. ("Hess," "Armco," Metal & Corrugated Steel), Denver, Colo.
Harry Bros. Co. ("Harry's," Corrugated & "K-D," Galvanized), Carr av & L. C. R. R., New Orleans, La.
Hunt Rodney Machine Co., Orange, Mass.
Keeler E. Co., Williamsport, Pa.
Klauer Mfg. Co. (Galvanized), Dubuque, Iowa
Mitchell-Tappen Co. (& Steel), 15 John, New York
Nebraska Culvert & Mfg. Co., Wahoo, Neb.
Pittsburgh-Des Moines Steel Co. (Iron & Steel), 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Southern Bridge Co., Birmingham, Ala.
Spokane Culvert & Tank Co., Spokane, Wash.
Traylor Engng. & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 4908— Flumes (Wood)

**CONTINENTAL PIPE MFG. CO.,** Seattle, Wash. *See adv index at end of book*
Stevens Tank & Tower Co., Auburn, Me.

## 4909— Fluorspar

Binswanger H. P., 7 W 16th, New York
Crocker Bros. (Importers), 21 E 40th, New York
Foote Mineral Co., 107 N 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Heyward Thos. R. Co., Farmers Bank bldg, Pittsburgh, Pa.
Iron Trade Products Co. (Ground Lump & Washed Gravel), Farmers Bank bldg, Pittsburgh, Pa.
Kentucky Fluor Spar Co. (Ground), Marion, Ky.
Lavino E. J. & Co. (Importers), Bullitt bldg, Phila., Pa.
The National Sales & Trading Co., Cleveland, Ohio
New England Quartz Co. of N. Y., 150 Nassau, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Rogers-Brown & Co. (Jobbers), 77-78 Carew bldg, Cincinnati, O.
Rosiclare Lead & Fluorspar Mines, Rosiclare, Ill.
Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York
Wiarda Jno. & Co., 273 Greene, Brooklyn, N. Y.

## 4910—Flushers (Automatic Sewage, Etc.)

Merritt Hydraulic Co. ("Merritt"), 110 N Broad, Phila., Pa.

## 4911-12—Flux (Blast Furnace)

Bessemer Limestone Co. (Limestone), Youngstown, O.
Dolomite Products Co. (Limestone), 1110 Euclid av, Cleveland, O.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Ohio Marble Co. (Limestone), Piqua, O.

## 4913—Flux (Brazing & Welding)

Allen L. B. Co., Inc., 4519 N Lincoln, Chicago, Ill.
American Alloys Co. (Aluminum, also Melting "American Flux"), American bldg, Baltimore, Md.
Carbic Mfg. Co. (Carbic Welding), Duluth, Minn.
Cleveland Tensilite Co., 1431 Brownell, Cleveland, O.
Cortland Welding Compound Co. (Oxy-Acetylene Welding), Cortland, N. Y.
Cox Brass Mfg. Co., Albany N. Y.
Economy Welding Machine Co. (Aluminum, Brass, Copper & Bronze "Economy Brand," "Dicksteph Cast Iron Brand"), Kansas City, Mo.
General Welding Co., Hoboken, N. J.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Paxson. J. W., 1021 N Delaware av, Phila., Pa.
Seligman Arthur (Imp.), 165 B'way, New York
Weld-Wire Co., 395 Christopher av, Brooklyn, N. Y.

## 4914— Flux (Foundry)

American Alloys Co. (For Brass & Copper), American bldg, Baltimore, Md.
American Boron Products Co. ("Boron"), Reading, Pa.
Basic Mineral Co. ("Keystone" Thermo & Radioclarite), 834 Columbus av, Pittsburgh, Pa.
Bessemer Limestone Co. (Limestone), Youngstown, O.
Buckeye Products Co., 919-929 W 5th, Cincinnati, O. *See adv index at end of book*
Cleveland Tensilite Co., 1302 Ontario av, Cleveland, O.
Foundry Specialty Co., Cincinnati, O.
New Era Mfg. Co., Kalamazoo, Mich.
Uraniumite Co. of America, 609 Main, Buffalo, N. Y.

## Flux (Soldering)

See Soldering Paste, Salts & Stick

## 4914a— Flux (Tinning)

Grasselli Chem. Co., Guardian bldg., Cleveland, O.
Hachmeister-Lind-Chem. Co., Pittsburgh, Pa.

## 4915— Fly Nets

Altland Alfred D., Dillsburg, Pa.
Brougher W. D. Net Co., Wellsville, Pa.
Chase L. C. & Co., 89 Franklin, Boston, Mass. *See adv index at end of book*
Gem Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.
Given R. & Son Co. (For Horses), Sidney, Ohio
Hardenbergh P. R. L. & Co. (Leather, etc), 237 E 8th, St. Paul, Minn.
Harley J. S. (Cotton Horse), Quakertown, Pa.
Hess & Hopkins Leather Co., Rockford, Ill.
Kling Mfg. Co., 2425 Fond du Lac av, Milwaukee, Wis.
Scheffer & Rossum Co., 104 E 10th, St. Paul, Minn.
Wellsville Mfg. Co., Wellsville, Pa.
Young Benjamin Co., 241 E Water, Milwaukee, Wis.

## Fly Screens

See Screens, Window, Metal Frame; also Screens, Window & Door; also Screens, Wire, Rustless

## 4915a— *Fly Wheels

**WHITON D. E. MFG. CO.** (Finished Ready for Gas Engines), New London, Conn. *See adv index at end of book*

## 4916— Foil (Aluminum)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Kemp W. H. Co., 165 Spring, New York
Seligman Arthur (Imp), 165 B'way, New York

## 4917— Foils (Fencing)

Spalding A. G. & Bros. (Importers), 126 Nassau, New York

## 4917a— Food Colors (Certified)

National Aniline & Chem. Co., Inc., 21 Burling Slip, New York

## 4918—Foods (Animal & Poultry)

Baugh & Sons Co. (Poultry), 20 S Delaware av, Phila., Pa.
Consolidated Rendering Co. ("The-eggs-pay-for-it" brand), 40 N Market, Boston, Mass.
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Rogers A. Co., Aurora, Ill.
Wilson & Co., Union Stock Yards, Chicago, Ill.

## 4919—Foods (Cereal, Prepared, Etc.)

See also Oatmeal

Albers Bros. Milling Co., Los Angeles, Cal.
American Cereal Coffee Co., 319 W. Chicago av, Chicago, Ill.
Ashby & Sons, Leavenworth, Kans.
Atlas Cereal Co., 1200 West 8th, Kansas City, Mo.
Beck Cereal Co., 569 Fort West, Detroit, Mich.

**Better Way Products Co., San Diego, Cal.**
Biltmore Wheat Hearts Co., Asheville, N.C.
Canadian-American Cereal Products Co., Produce Exchange, New York
**Chicago Concentrated Food Co., Inc., 3059 Sheffield av, Chicago, Ill.**
Cream of Wheat Co., 5th & 1st av, N Minneapolis, Minn.
**Dimond Milling Co., Keokuk, Ia.**
Emmer Products Co., Denver, Colo.
Evans Milling Co., Indianapolis, Ind.
Excelsior Cereal Milling Co., 726 Santa Fe av, Los Angeles, Cal.
Farwell & Rhines, Watertown, N. Y.
Franklin Mills Co., Batavia, N. Y.
Fruen Cereal Co., Western av, S W cor Thomas av, N Minneapolis, Minn.
**Gift J. W. & Co., Peoria, Ill.**
**Golden Elevator & Mill Co., Golden, Ill.**
H-O Company, Buffalo, N. Y.
Hecker Cereal Co., 40 Corlear, New York
Horlick's Malted Milk Co., Racine, Wis.
Johnson Educator Food Co., Cracker, Sugar Wafers, Trangluten Flour, 100 Sidney, Cambridge, Mass.
Kaufman Ben. & Sons, 178 Stanton, New York
Kaufman Jos., 148 Ludlow, New York
**Kaufman Milling Co., 148 Ludlow, New York**
Kellogg Food Co., Battle Creek, Mich.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich.
Keystone Flour Co., 1534 Ridge av, Phila., Pa.
**King Cereal & Mfg. Co., 559 West Rand,** Chicago, Ill.
Lea Milling Co., Wilmington, Del.
**Lens Co., 3d av & Ross, Pittsburgh, Pa.**
Lexington Flouring Mills, Lexington, Mo.
**Mellin's Food Co., 261 Franklin, Boston, Mass.**
Michigan Tea Rusk Co., Holland, Mich.
Murdock Liquid Food Co., 78 Tyler, Boston, Mass.
Northern Illinois Cereal Co., 1306 Belmont av, Chicago, Ill.
Oakdale Baking Co., 10th & Susquehanna av, Phila., Pa.
**Pacific Milling Co., 74 Langton, San Francisco, Cal.**
Patent Cereals Co., Geneva, N. Y.
Phospho Food Co., Los Angeles, Cal.
Pillsbury Flour Mills Co., Metropolitan Life bldg, Minneapolis, Minn.
Plymouth Milling Co., Le Mars, Ia.
**Postum Cereal Co., Ltd., Battle Creek, Mich.**
**Puget Sound Flouring Mills Co., Tacoma,** Wash
**Pure Gluten Food Co., 90 W B'way, New York**
Quaker Oats Co., 80 E Jackson blvd, Chicago, Ill.
Ridges Food Co. ("Ridge"), 20 Yeoman, Boston, Mass.
**Shredded Wheat Co., 233 B'way, New York**
Sims Cereal Co., Central av, Minneapolis, Minn.
South Side Cereal Mills, Fort Wayne, Ind.
Stanard Tilton Milling Co., Pierce bldg, St. Louis, Mo.
Standard Flaked Food Co., Owosso, Mich.
Sun Milling Co., Oakland, Cal.
Thompson Milling Co., Lockport, N. Y.
**United Cereal Mills, Quincy, Ill.**
U. S. Cereal Co., Upper Sandusky, O.
Voigt Milling Co., Grand Rapids, Mich.
Waseca Milling Co., Waseca, Minn.
Wheatena Company, Rahway, N. J.
Woods J. S., Fredericksburg, Va.

## 4920—Foot Rests for Automobiles

Fiat Metal Mfg. Co., 223 W Huron, Chicago, Ill.
Highton Wm. & Sons Co., Nashua, N. H.
Novelty Mfg. Co., Waterbury, Conn.
Republic Auto Parts Co. (For Ford Cars), 81 10th, Long Island City, N. Y.

## 4921— Foot Rests (Radiator)

Beaton & Cadwell Mfg. Co. (Adjustable), New Britain, Conn.
Central Supply Co. ("Ovendens"), Worcester, Mass.
Jennison Co. ("Jennison," Adjustable), Fitchburg, Mass.

## 4922—Foot Rests (Shoe Blacking)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Columbus Brass Co., 538 Columbus av, Columbus, O.
*See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Kupferle Jno. C. Foundry Co. ("Eclipse"), 1st & Wright, St. Louis, Mo.
Fate-Root-Heath Co., Plymouth, O.
Sacks Louis, Inc. ("Star"), Wilson av, Newark, N. J.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Wrightsville Hardware Co., Wrightsville, Pa.

## 4923—Foot Warmers (Electric)

**Hotpoint Electric Heating Co. ("El Warmo"), Los Angeles, Cal.**
International Elec. Co., Indianapolis, Ind.
Rochester Stamping Co., Anderson av, Rochester, N. Y.
Slaughter Wm. F Co., 1712 S Michigan av, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
***See adv index at end of book***

## 4923a1—Footwarmers (Soapstone)

Alberene Stone Co., 223 E 23rd, New York
Old Dominion Soapstone Co., 71 Murray, New York
Phoenix Soapstone Co., 71 Murray, New York
Pike Mfg. Co., Pike, N. H.
Union Soapstone Co., 14 Marshall, Boston, Mass.
Vermont Soapstone Co., Perkinsville, Vt.

## 4923a—*Forced Draft Apparatus

Western Blower Co., 1300 9th av, S, Seattle, Wash.

## 4924— Forges (Blast)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**Buffalo Forge Co.** (Stationary & Portable), Buffalo, N. Y.
**Champion Blower & Forge Co.** ("Champion"), Lancaster, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**Michigan Forge & Iron Wks., 30 Richmond av, Detroit, Mich.**
**Miner & Peck Mfg. Co., New Haven, Conn.**
New York Blower Co., Archer av & Canal, Chicago, Ill.; Works: Bucyrus, O.
**Miner & Peck Mfg. Co., New Haven, Conn.**
Paterson Forge Co., Bridgeport, Conn.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
***See adv index at end of book***
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## Forges (Brazing)

See Furnaces, Brazing

## 4925—Forges for Brazing Irons

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Covel Mfg. Co., Benton Harbor, Mich.
Hauck Mfg. Co., 101 11th, Brooklyn N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 4926—Forges for Drop Forging Plants

American Gas Furnace Co. (Gas Blast), 24 John, New York
Anthony Co., 9 Jackson av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Miner & Peck Mfg. Co., New Haven, Conn.
**ROCKWELL W. S. CO.,** 50 Church, New York. *See adv index at end of book*

## 4927— Forges (Gas Blast)

American Gas Furnace Co., 24 John, New York
Anthony Co., 9 Jackson av, Long Island City, N. Y.
Chicago Flexible Shaft Co. ("Stewart," Gas or Oil Blast), 5600 W 12th, Chicago, Ill.
Comstock A. S. (Automatic Power), Evanston, Ill.
**Lucas J. L. & Son ("Gas Saver"), Bridgeport, Conn.**
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.

## 4927a— Forges (Hammer)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*

## 4928— Forges (Heating)

See also Furnaces

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**Bradley C. C. & Son, Syracuse, N. Y.**
*See adv index at end of book*
**Buffalo Forge Co., Buffalo, N. Y.**
**Canedy-Otto Mfg. Co. (Portable & Stationary), Chicago Heights, Ill.**
Chicago Flexible Shaft Co. ("Stewart," Crude Oil or Gas), 5600 W 12th, Chicago, Ill.
**Evans' Jno. Sons (& Welding), 506 N 13th, Philadelphia, Pa.**
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
**Ingersoll-Rand Co., 11 Broadway, New York** *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
New York Blower Co., Archer av & Canal, Chicago, Ill. Works, Bucyrus, O.
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
**Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.**

## 4929—Forges (Manual Training)

Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.

## 4930— Forges (Oil, Portable)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Best W. N., Inc., 11 B'way, New York
Denver Fire Clay Co. ("Case" Low Pressure), Denver, Colo.
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Mirc's Fuel-Oil Equipment Co., Lancaster, Pa.
National Supply Co. ("Billow" System), 416 W Grand av, Chicago, Ill.
**ROCKWELL W. S. CO.** (& Stationary), 50 Church, New York
*See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 4931— Forges (Pneumatic)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Manitowoc Shipbuilding Co. ("Gunnell"), Manitowoc, Wis.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 4932— Forges (Portable)

**ANTHONY CO.,** 9 Jackson av, Long Island City, N. Y.
Beall Tool Co., East Alton, Ill.
Brown & Patterson, 33 Marcy av, Brooklyn, N. Y.
Buffalo Forge Co., Buffalo, N. Y.
Canedy-Otto Mfg. Co. ("Western Chief" & "Royal"), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Chicago Scale Co., 7740 S Chicago av, Chicago, Ill.
Cleveland Steam Gauge Co. ("Watson"), 1108 W 9th, Cleveland, O.
Fargo Foundry Co. (Farm), Fargo, N. D.
Furness Bros. Co. ("Cumming"), 1613 Walnut, Chicago, Ill.

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Potts D. H. Co., Lancaster, Pa.
Sturtevant B. F. Co. ("Sturtevant," Also Stationary), 15 Damon, Hyde Park, Boston, Mass.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

### 4932a—Forges for Railroad Shops

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**ROCKWELL W. S. CO.**, 50 Church, New York *See adv index at end of book*

### 4933—Forges (Rivet Heating)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Best W. N., Inc., 11 B'way, New York
Champion Blower & Forge Co., Lancaster, Pa.
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
Lovejoy Tool Works (Portable), 319 W Ohio, Chicago, Ill.
*See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

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**MACLEOD CO., 2227 Bogen St., Cincinnati, O.**

Mahr Mfg. Co. (Portable & Stationary Oil), 1300 N. E. Quincy, Minneapolis, Minn.
Manitowoc Shipbuilding Co., Manitowoc, Wis.
**ROCKWELL W. S. CO.** (Bolt & Rivet), 50 Church, New York
*See adv index at end of book*
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Tate-Jones & Co. (Portable & Stationary Oil Rivet Forges), Empire bldg, Pittsburgh, Pa.

### Forges (Tuyere Iron)

See Heaters, Tuyere Iron

### 4933a1—Forges (Upsetting)

Ketler-Elliott Erection Co., 115 N. Clark, Chicago, Ill.
**ROCKWELL W. S. CO.**, 50 Church, New York *See adv index at end of book*

### Forging Machines

See Machines, Forging

### 4933a—Forgings (Aeroplane Cylinders)

Am. Forging Co., Clifton, N. J.
**CHAMPION MACHINE & FORGING CO.**, 3690 E 78th, Cleveland, O.
*See adv index at end of book*
Moore Drop Forging Co., Springfield, Mass.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Union Switch & Signal Co., Swissvale, Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

### 4934—Forgings (Alloy Steel)

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
Am. Forging Co., Clifton, N. J.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
**Blakeslee Forging Co., Plantsville, Conn.**
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
**Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.**
Davis Sewing Mach. Co., Dayton, O.
**ELECTRIC STEEL & FORGE CO.**, 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O
**Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.**
*See adv index at end of book*
Laclede Steel Co., Arcade bldg., St. Louis. Forging Plant, East St. Louis Mo.
**Ludlum Steel Co., Watervliet, N. Y.**
Mesta Machine Co., Box 1124 Pittsburgh, Pa. *See adv index at end of book*
Moore Drop Forging Co., Springfield, Mass.
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
National Forge & Tool Co., Irvine, Pa.
**SCRANTON FORGING CO.**, Scranton, Pa.
*See adv index at end of book*
Union Switch & Signal Co., Swissvale, Pa.
Whitman & Barnes Mfg. Co., 1000 W 120th, Chicago, Ill.
*See adv index at end of book*
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

### 4935— Forgings (Aluminum)

Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
United States Aluminum Co., Oliver bldg, Pittsburgh, Pa.
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

### 4936—Forging (Automatic Coupler)

Bethlehem Steel Co., So Bethlehem, Pa.

### 4937— Forgings (Automobile)

See Forgings, Drop; also Forgings, Iron & Steel
Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
American Forge Works, Denver, Col.
American & British Mfg. Co., Charles, Providence, R. I.
Anderson Forge & Machine Co., Detroit, Mich.
Ashtabula Bow Socket Co. (Automobile Bow-Sockets, Gooseneck & Top Rest Irons, Socket Irons, etc), Ashtabula, O.
Atlas Drop Forge Co., Lansing, Mich.
Atwater Mfg. Co., Southington, Conn.
Baker Gun & Forging Co., Batavia, N. Y.
Barnett Drop Forging Co. (Crankshafts & All Auto Forgings), East Hampton, Mass.
Belden Machine Co., New Haven, Conn.
Bethlehem Steel Co. (Of Special Grades of Steel), South Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Blackeslee Forging Co., Plantsville, Conn.
**BONNEY VISE & TOOL WORKS, INC.**, Allentown, Pa.
*See adv index at end of book*
Brewer-Tichener Corp., Cortlandt, N. Y.

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**Briscoe Motor Corp., Jackson, Mich.**
Canton Drop Forging & Mfg. Co., Canton, O.
**CHAMPION MACHINE & FORGING CO.,** 3690 E 78th, Cleveland, O.
*See adv index at end of book*
Christe-Kline Forge Machine Co., 433 Guain, Detroit, Mich.
Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.
Clark J. L. Mfg. Co., Oshkosh, Wis.
**Cleveland City Forge & Iron Co., Cleveland, O.**
Cleveland Hardware Co., Lakeside av. & E 45th, Cleveland, O.
**Columbus Bolt Works Co., Columbus, O.**
Davis Sewing Machine Co., Dayton, Ohio
Detroit Forging Co., 120 Mt. Elliot av, Detroit, Mich.
**Driggs-Seabury Ordnance Co., Sharon, Pa.**
Drop Forging Co. of N.Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., N. S. Pittsburgh, Pa.
*See adv index at end of book*
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.
**Eccles Richard Co., Auburn, N. Y.**
**Frost Gear & Forge Co., Jackson, Mich.**
**Fulton Drop Forge Co., Canal Fulton, O.**
**General Drop Forge Co., Buffalo, N. Y.**
General Railway Signal Co., Rochester, N. Y.
**Gill P. H. & Sons, 2 Lorraine, Brooklyn, N. Y.**
**Globe Malleable Iron & Steel Co., 101 Greenway av, Syracuse, N. Y.**
Hayes Mfg. Co. (Iron), 480 Maybury, Detroit, Mich.
**Henry & Allen, Auburn, N. Y.**
**Heppenstall Forge Co., Bridgeport, Conn.**
**Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.**
**Herbrand Co., Fremont, O.**
**Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.**
**Indianapolis Drop Forging Co., Indianapolis, Ind.**
**Ingalls-Shepard Forging Co., 332 S Michigan av, Chicago, Ill.; Works: Harvey, Ill.**
Ketler-Elliott Co. ("Ketoco"), 31st and California, Chicago, Ill.
**Keystone Forging Co., Northumberland, Pa.**
**Kropp Forge Co., 2512 W 21st, Chicago, Ill.**
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
*See adv index at end of book*
**McInnes Steel Co. (Ltd.) ("McInnes," Steel), Corry, Pa.**
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
Moore Drop Forging Co., Springfield, Mass.
**New Brunswick Iron Works, New Brunswick, N. J.**
**O. K. Tool Holder Co., Shelton, Conn.**
Ohio Forge Co. (Drop & Hammered), **Cleveland, O.**
**Park Drop Forge Co., 760 E 79th, Cleveland, O.**
**PETTIS W. W. CO.,** 416-417 First National Bank bldg, Cincinnati, Ohio.
*See adv index at end of book*
Pollock Steel Co., Cincinnati, Ohio
**PRESTON MOTORS CORP.,** 2702 N. 24th, Birmingham, Ala.
*See adv index at end of book*
**Richmond Forgings Corporation, Richmond, Va.**
**Rivetless Chain & Engineering Co., Avon, Pa.**
**Rockford Drop Forge Co., Rockford, Ill.**
**Seward M. & Son Co., New Haven, Conn.**
**Strieby & Foote Co. (Drop), 301 Ogden, Newark, N. J.**
**Thomson Drop Forge Co., Plantsville, Conn.**
**Tindel-Morris Co. (Finished), Eddystone, Pa.**
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
**Transue & Williams Steel Forging Corp., Alliance, O.**
**United Forge & Machine Co., 527-43 Franklin, Detroit, Mich.**
**Union Drop Forge Co., 358 W Grand av, Chicago, Ill.**
**Union Forging Co., Union, N. Y.**
**Union Switch & Signal Co., Swissvale, Pa.**
Western Drop Forge Co., Marion, Ind.
**Wharton Wm. Jr. & Co., Inc., Easton, Pa.**
**Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.**
*See adv index at end of book*
Willys-Merrow Co. Inc., Elmira, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
**Wyman-Gordon Co. (Cam Shaft, Connecting Rod, etc), Worcester, Mass.**

### 4937a — *Forgings (Brass, Bronze, Copper & Monel Metal)

See also following headings

Am. Brass Products Co., Pottstown, Pa.

### 4938— Forgings (Bronze)

American Brass Products Co., Pottstown, Pa.
American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Billings & Spencer Co., Hartford, Conn.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Chase Metal Works, Waterbury, Conn.
**CHASE ROLLING MILL CO.,** Waterbury, Conn.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Beach & Ball, Phila., Pa.
Drop Forging Co. of N.Y., 301 West Side av, Jersey City, N. J.
Eureka Co., North East, Pa.
General Drop Forge Co., Buffalo, N. Y.
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
O. K. Tool Holder Co. (Tobin Bronze), Shelton, Conn.
Pennsylvania Forge Co., Jenks & Bath, Phila., Pa.
Transue & Williams, Steel Forging Corp., Alliance, O.
Union Drop Forge Co., 358 W. Grand av, Chicago, Ill.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Virginia Forging & Mfg. Co., Richmond, Va.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

### 4938a— Forgings (Car)

American Car & Foundry Co., St. Louis, Mo.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Cambria Steel Co., Widener Bldg., Phila., Pa.
Davis Sewing Machine Co., Dayton, Ohio
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., N. S. Pittsburgh, Pa.
*See adv index at end of book*
Edge Moor Iron Co., Edge Moor, Del.
Erie Car Works, Erie, Pa.
Etna Forge & Bolt Co., House Bldg., Pittsburgh, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Illinois Car & Mfg. Co., 20 W Jackson Blvd, Chicago, Ill.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Pettis W. W. Co., 416-417 First National Bank bldg., Cincinnati, Ohio.
*See adv index at end of book*
Pittsburgh Forge & Iron Co., 1003 Penn av, Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, Ohio
**PRESTON MOTORS CORP.,** 2702 N. 24th, Birmingham, Ala.
*See adv index at end of book*
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Steel Car Forge Co., Hammond, Ind.
Steel Car Forge Co., Elwood City, Pa.
Titusville Forge Co., Titusville, Pa.
Tredegar Co., ft. of 5th, Richmond, Va.
Valley Forging Co., Verona, Pa.
Western Steel Car & Fdry Co., People's Gas Bldg., Chicago, Ill.
Western Tool & Forge Co., Brackenridge, Pa.
Willard, Sons & Bell Co., 3044 98th, Chicago, Ill.

### 4939—Forgings (Carriage & Wagon)

Akron-Sells Co. (wagon), Akron, O.
Atwater Mfg. Co., Southington, Conn.
Blakeslee Forging Co., Plantsville, Conn.
**BONNEY VISE & TOOL WORKS, INC.,** Allentown, Pa.
*See adv index at end of book*
**CHAMPION MACHINE & FORGING CO., (The),** 3690 E 78th, Cleveland, O.
*See adv index at end of book*
Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.
Cleveland Hardware Co. (Steele), Lakeside av & E 45th, Cleveland, O.
Columbus Bolt Wks. Co., Columbus, O.
Cortland Forging Co., Cortland, N. Y.
Davis Sewing Machine Co., Dayton, Ohio.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Drummond Mfg. Co. (wagon), Louisville, Ky.
Eccles Richard Co., Auburn, N. Y.
Herbrand Co., Fremont, Ohio.
Keystone Forging Co., Northumberland, Pa.
**KILBORN & BISHOP CO.,** 194 Chapel, New Haven, Conn.
*See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Mott Wheel Works, Jackson, Mich.

BONNEY VISE & TOOL WORKS
ALLENTOWN. PA.

FORGINGS (CARRIAGE & WAGON)—continued

Owensboro Forging Co. (wagon), Owensboro, Ky.
Pollak Steel Co., Cincinnati, Ohio
**PRESTON MOTORS CORP.**, 2702 N. 24th, Birmingham, Ala.
*See adv index at end of book*
Queen City Forging Co. (Carriage), Dumont & Tennyson, Columbia, Cincinnati, O.
Smith H. D. & Co., Plantsville, Conn.
Standards Parts Co. (The), Cleveland, O.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Tioga Steel & Iron Co., 52d & Grays, Phila., Pa.
Union Forging Co., Union, N. Y.
Wilcox D. Mfg. Co., Mechanicsburg, Pa.

## 4940— Forgings (Cold)

Badger Tool & Forge Co. (Chisels, Punches, Drift Pins), 707 Nebraska, Oshkosh, Wis.
Oakes Co., Indianapolis, Ind.
**WORCESTER PRESSED STEEL CO.**, Worcester, Mass.
*See adv index at end of book*

## 4941— Forgings (Copper)

American Brass Products Co., Pottstown, Pa.
Anderson Forge & Machine Co., Detroit, Mich.
Billings & Spencer Co., Hartford, Conn.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Electric Materials Co., North East, Pa.
Eureka Co., North East, Pa.
General Drop Forge Co., Buffalo, N. Y.
Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
*See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Mutual Electric & Machine Co., 232 Fort, W, Detroit, Mich.
Pennsylvania Forge Co., Jenks & Bath,
Transue & Williams, Steel Forging Corp., Alliance, O.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 4942— Forgings (Die)

Allegheny Forgings Co., Keenan bldg, Pittsburgh, Pa.
American Forge & Machine Co., Canton, Ohio
American Forging Co., Clifton, N. J.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Davis Sewing Machine Co., Dayton, Ohio.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Larson Chas. E., 111 N. Desplaines, Chicago, Ill.
Marine Hardware-Equipment Co., South Portland, Maine.
*See adv index at end of book*
Moore Drop Forging Co., Springfield, Mass.
Ohio Forge Co., Cleveland, O.
Park Drop Forge Co., 760 E 79th, Cleveland, Ohio
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Tindel-Morris Co., Eddystone, Pa.
Union Switch & Signal Co., Swissvale, Pa.
United Forge & Machine Co., 527-43 Franklin, Detroit, Mich.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Williams J. H. Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 4943— Forgings (Disc)

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
American Forging Co., Clifton, N. J.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Chase Metals Works, Waterbury, Conn.
Chase Rolling Mill Co., Waterbury, Conn.
Davis Sewing Machine Co., Dayton, Ohio.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
Moore Drop Forging Co., Springfield, Mass.
Ohio Forge Co., Cleveland, O.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Steel Forgings Co., Oakley, Cincinnati, O.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Wharton Wm, Jr. & Co., Inc., Easton, Pa.

## 4944— Forgings (Drop)

See also Forgings, Iron & Steel

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Chain Co., Bridgeport, Conn.
American Forge Works, Denver, Colo.
American Forge & Machine Co., Canton, O.
American Forging & Socket Co., Pontiac, Mich.
American & British Mfg. Co., Charles, Providence, R. I.
Amsterdam Drop Forgings Co., Amsterdam, N. Y.
Anderson Forge & Machine Co., Detroit, Mich.
Atlas Drop Forge Co., Lansing, Mich.
Baker Gun & Forging Co. (Small), Batavia, N. Y.
B & K. Mfg. Co., New Britain, Conn.
Ballard Drop Forge Co., Seattle, Wash.
Barnett Drop Forging Co. (Auto & General), Easthampton, Mass.
Bassett D. M. Bolt Works, Shelton, Conn.
Bearings Co. of Am., Lancaster, Pa.
Belden Machine Co., New Haven, Conn.
Bethlehem Steel Co., South Bethlehem, Pa.
Billings & Spencer Co. (Automobile & Spring Steering Connections, Spring Box Throttle Connections, Rod & Yoke End), Hartford, Conn.
Blakeslee Forging Co., Plantsville, Conn.
Bonner Drop Forge Co., 111 W Washington, Chicago, Ill.
**BONNEY VISE & TOOL WORKS, INC.**, Allentown, Pa.
*See adv index at end of book*
Boston & Lockport Block Co., 100 Condor, East Boston, Mass.
Brown R. H. & Co., New Haven, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

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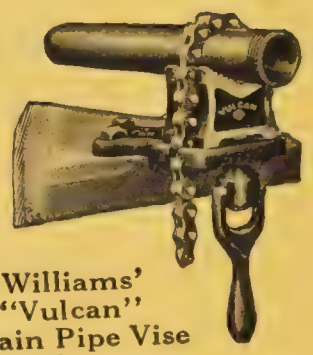

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V. J. Co., Salem, O.
nd City Forge & Iron Co., Cleve- d, O.
nd Hardware Co., Lakeside av & E a, Cleveland, O.
nd Punch & Shear Works Co., 3921 Clair av N E Cleveland, O.
la Machine Works & Malleable Iron (Electric. Railway), Atlantic av & stnut, Brooklyn, N. Y.
us Anvil & Forging Co., Colum- , O.
us Bolt Works Co. (Carriage, etc), nbus, O.
**BUS FORGE & IRON CO.,** Colum- O. *See adv index at end of book*
lated Mfg. Co. (Automobile, etc.), edo, O.
t Forgings Co., Oakmont, Pa.
t Tool Co., 200 Harrison, James- n, N. Y.
on, J. P. & Co Jamestown, N. Y.
ewing Machine Co., Dayton, O.
orging Co., Muncie, Ind.
Forging Co., 120 Mt. Elliot av, De- t, Mich.
ld Expansion Bolt Co. (Hand & p Hammer), 89 West, New York.
*adv index at end of book*
d Forging & Mfg. Co., 2601 Cali- nia, N. S., Pittsburgh, Pa.
Seabury Ordnance Co. (Vanadium l, Nickel & Carbon), Sharon, Pa.
orging Co., of New York, 301 West e av, Jersey City, N. J.
*adv index at end of book*
fg. Co., N. S. Pittsburgh, Pa.
Co., The, 508 Water, Toledo, O.
*adv index at end of book*
Machine Co., Buffalo, N. Y.
Jos. & Sons, 5125 St. Clair av, eland O.
Bolt & Forging Co. (Steel), 1435 E 1, Cleveland, O
Richard Co. (Carriage & Special), urn, N. Y.
Steel Co., Curry bldg, Pittsburgh,
Forging & Mfg. Co., Endicott, Y.
& Sons Co., 1326 Cortland, Chi- o, Ill.
Products Co. ("Gibraltar"). Con- bldg, Chicago, Ill.
ear & Forge Co., Jackson, Mich.
Drop Forge Co., Canal Fulton, O.
Drop Forge Co., Buffalo, N. Y.
Malleable Iron & Steel Co., 101 enway av, Syracuse, N. Y.
akes Forge Co., Racine av & 119th cago, Ill.
d Drop Forge Co. (Small & Me- n), Hartford, Conn.
Mfg. Co. ("Helwig"), St. Paul. n.
Allen, Auburn, N. Y.
d Co., Fremont, O.
nner Foundry Supply Co., 637 ns, Cincinnati, O.

Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Indianapolis Drop Forging Co. (All Kinds), Indianapolis, Ind.
Ingalls-Shepard Forging Co., 332 S Michigan, Chicago, Ill. Works, Harvey, Ill.
Irvington Mfg. Co. (Gun Parts, Bicycle, etc), Irvington, N. J.
Ketler-Elliott Co. ("Ketoco"), B. 1st & California, Chicago, Ill.
Keystone Forging Co. (Carriage & Special), Northumberland, Pa.
**KILBORN & BISHOP CO.** (Carriage, Bicycle, etc), 194 Chapel, New Haven, Conn. *See adv index at end of book*
Kraeuter & Co. (Small, High Grade), 583 18th av, Newark, N. J.
Kropp Forge Co., 2512 W 21st, Chicago, Ill.
Ladish Drop Forge Co., Cudahy, Wis.
Lakeside Forge Co. ("Lakeside"), Erie, Pa. *See adv index at end of book*
Lansing Forge Co., Lansing, Mich. *See adv index at end of book*
Leard Wm. Co., New Brighton, Pa. *See adv index at end of book*
Lough Bros., 90 West, New York
McKay Jas. Co., Pittsburgh, Pa. Works: McKees Rocks, Pa.
Marine Hardware Equipment Co. ("Acme" & "Wheco"), S. Portland, Me. *See adv index at end of book*


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Modern Machy. Co. (Finished), Wilmington, Del.
Moore Drop Forging Co., Springfield, Mass.
New Castle Steel & Iron Co., Pittsburgh, Pa.
New England Forge Co., Worcester, Mass.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
O. K. Tool Holder Co., Shelton, Conn.
Ohio Forge Co., Cleveland, O.
Oliver Iron & Steel Co. (Car & General), S 10th & Muriel, Pittsburgh, Pa.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pennsylvania Forge Co., Jenks & Bath, Phila., Pa.
**PETTIS W. W. CO.,** 416-417 First Natl. Bank bldg, Cincinnati, Ohio. *See adv index at end of book*
Pollak Steel Co., Cincinnati, Ohio
**PRESTON MOTORS CORP.,** 2702 W. 24th, Birmingham, Ala. *See adv index at end of book*
Revere Drop Forge Co., Revere, Mass.
Rhode Island Tool Co., Providence, R. I.
Richmond Forgings Corp., Richmond, Va.
Rivetless Chain & Engineering Co., Avon, Pa.
Rockford Drop Forge Co., Rockford, Ill.
Roren Drop Forging Co., Inc., 36 Warren, New York
St. Louis Frog & Switch Co., Chemical bldg, St. Louis, Mo.
Schollhorn Wm. Co., New Haven, Conn.
Schuylkill Forge Co., Luzerne & Third, Phila, Pa.
**SCRANTON FORGING CO.** (Light), Scranton, Pa. *See adv index at end of book*


## Scranton Forging Co.

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Seward M. & Son Co. (Carriage, Bicycle, etc), New Haven, Conn.
Smith A. O. Corp., Milwaukee, Wis.
Smith H. D. & Co. (Vehicle & Special), Plantsville, Conn.
Southern Saw Works, East Point, Ga.
Spicer Mfg. Co., So. Plainfield, N. J.
Springfield Iron Wks., Springfield, Mass.
Standard Drop Forge Co., Balboa bldg, San Francisco, Cal.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Sterling Drop Forge Works, 112 N La Salle, Chicago, Ill.
Stolle Frank J., 1st Nat'l Bank bldg, Cincinnati, O.
Strait H. M. Mfg. Co., Kansas City, Kan.
Strieby & Foote Co. (Automobile & Special), 301 Ogden, Newark, N. J.
Superior Mfg. Co., Gloucester, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
Transue & Williams Steel Forging Corp., Alliance, O.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
Valley Forging Co., Verona, Pa.
Voight Henry Mach Co., Inc., Louisville, Ky.
Western Drop Forge Co., Marion, Ind.
Western Tool & Forge Co., Brackenridge, Pa.
Whitaker Mfg. Co., 409 S Green, Chicago-Ill.
Wilcox D. Mfg. Co., Mechanicsburg, Pa.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*
Williams Drop Forging Co., Scranton, Pa.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y. *See adv index at end of book*
Willys-Morrow Co. Inc., Elmira, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wyman-Gordon Co., Worcester, Mass.

### Forgings (Electric)

See Welding, Electric

## 4945—Forgings (Electric Railway)

See also Forgings, Drop; also Forgings, Iron & Steel

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
Anderson Forge & Machine Co., Detroit, Mich.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Brill J. G. Co., 62d & Woodland av, Phila, Pa.
Champion Machine & Forging Co., 3690 E 78th, Cleveland, O.
*See adv index at end of book*
Columbia Machine Works & Malleable Iron Co. (All Kinds), Atlantic av & Chestnut, Brooklyn, N. Y.
Duff Mfg. Co., N. S. Pittsburgh, Pa.
*See adv index at end of book*
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
General Drop Forge Co., Buffalo, N. Y.
Heppenstall Forge Co., Bridgeport, Conn.
Hubbard Co., 63rd & Butler, Pittsburgh, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lakeside Forge Co. ("Lakeside"), Erie, Pa. *See adv index at end of book*
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, Ohio
**PRESTON MOTORS CORP.**, 2702 N. 24th, Birmingham, Ala.
*See adv index at end of book*
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
Standard Parts Co. (Gas Welded), Cleveland, O.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Wason Mfg Co., Springfield, Mass.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 4946— Forgings (Electrically Welded)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
B. & K. Mfg. Co., New Britain, Conn.
Standard Parts Co. (Electric Welded), Cleveland, O.

## 4947-8— Forgings (Gas Engine)

See also Forgings, Drop; also Forging, Iron & Steel

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Am. Forging Co., Clifton, N. J.
Anderson Forge & Machine Co., Detroit, Mich.
Atlas Drop Forge Co., Lansing, Mich.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bonney Vise & Tool Wks., Inc., Allentown, *See adv index at end of book*
**CHAMPION MACHINE & FORGING CO.**, 3690 E 78th, Cleveland, O.
*See adv index at end of book*
Columbus Bolt Works Co., Columbus, O.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Duff Mfg. Co., N. S. Pittsburgh, Pa.
*See adv index at end of book*
Duncan Co., The, 508 Water, Toledo, O.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Erie Forge Co. (Marine), Erie, Pa.
General Drop Forge Co., Buffalo, N. Y.
Heppenstall Forge Co., Bridgeport, Conn.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
**Kropp Forge Co., 2512 W 21st, Chicago, Ill.**
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Leard Wm. Company, New Brighton, Pa.
*See adv index at end of book*
Marine Hardware Equipment Co., South Portland, Maine.
*See adv index at end of book*
Moore Drop Forging Co., Springfield, Mass.
Ohio Forge Co., Cleveland, O.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, Ohio.
*See adv index at end of book*
Pollak Steel Co., Cincinnati, Ohio
**PRESTON MOTORS CORP.**, 2702 N. 24th, Birmingham, Ala.
*See adv index at end of book*
Rockford Drop Forge Co., Rockford, Ill.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Steel Forging Co., Oakley, Cincinnati, O.
Tindel-Morris Co., (Specialty, Crankshafts Finished), Eddystone, Pa. & Ellwood City, Pa.
Titusville Forge Co., Titusville, Pa.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Western Drop Forge Co., P O Box 386, Marion, Ind.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Wyman-Gordon Co., Worcester, Mass.

## 4948— Forgings (Hollow)

Am. Forging Co., Clifton, N. J.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Erie Forge Co. (Bored, Hole from ½ "to 20" Diameter, and from 1 ft. to 30 ft. Length, Rough or Finished), Erie, Pa.
National Forge & Tool Co. (Bored), Irvine, Pa.

## 4950— Forgings (Hydraulic)

American Forge & Machine Co. (Steam Hydraulic Press), Canton, O.
Am. Forging Co., Clifton, N. J.
American & British Mfg. Co., Charles, Providence, R. I.
Atlas Drop Forge Co., Lansing, Mich.
Bethlehem Steel Co., South Bethlehem, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
Park Drop Forge Co., 760 E 79th, Cleveland, O.
**PETTIS W. W. CO.**, 416-417 First Natl. Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Pollak Steel Co., Cincinnati, Ohio
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Tindel-Morris Co., Eddystone, Pa.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Titusville Forge Co., Titusville, Pa.
Wharton Wm. Jr. & Co., Easton, Pa.
Wyman-Gordon Co., Worcester, Mass., & Cleveland, O.

## 4951—Forgings (Iron & Steel)

### ALABAMA.

ANNISTON—Anniston Steel Co. (Black & Galvanized Electric)
BIRMINGHAM—Cruse-Crawford Mfg. Co.
Grace C. M. & Co. (Light & Heavy)
Johnson & Thompson
**PRESTON MOTORS CORP.**, 2702 N. 24th

### CALIFORNIA.

LOS ANGELES—Mills Iron Works, 927 N. Main
SAN FRANCISCO—American Forge Co., 25 Tehama
Noble Electric Steel Co., 995 Market
Pennington G. W. Sons, 1699 Montgomery
Scott, Sugden & Lamont, Monadnock bldg
The Pollak Steel Co., Hobart Bldg.
Yuba Mfg. Co., Insu ance Exchange bldg.

### COLORADO.

DENVER—Ajax Iron Works Co. (Steam Hammer)
American Forge Works
Colorado Iron Works Co.
PUEBLO—Pueblo Fdry. & Machine Co.

### CONNECTICUT.

BRIDGEPORT—Farist Steel Co. (Steel Machinery, etc)
Heppenstall Forge Co.
HARTFORD—Billings & Spencer Co.
NEW HAVEN—Seward M. & Son Co.
PLANTSVILLE—Blakeslee Forging Co.
Smith H. D. & Co. (Carriage)
Thomson Drop Forge Co.
SHELTON—O. K. Tool Holder Co.
SOUTHINGTON—Atwater Mfg. Co. (Carriage & Specials)
WATERBURY—Moffat H. R. & J.

### DELAWARE.

EDGE MOOR—Edge Moor Iron Co. (Also Pressed Steel for Car Trucks, etc)
WILMINGTON—Modern Machinery Co. (Finished)

### FLORIDA.

JACKSONVILLE—Murphy Timothy Iron Works

### GEORGIA.

EAST POINT—Southern Saw Works
SAVANNAH—Kehoe Iron Works
Rourke Jno. & Sons (Heavy)

### ILLINOIS.

BLOOMINGTON—Acme Forge & Machine Co.
CHICAGO—Ajax Forge Co., 2503 Blue Island av
Atlas Forgings Co., 2515 S Artesian av
Blancke A. C. & Co., 116 S. Michigan av
*See adv index at end of book*
Buda Co. (Special Track Work), Railway Exch bldg
Carlson Forgings Co., 733 Fulton
Illinois Car & Mfg. Co. (Car), 20 W Jackson blvd
Ingalls-Shepard Forging Co. (Auto, R. R. Machinery, etc.), 332 S Michigan, Chicago, Ill. Works: Harvey, Ill.
Kropp Forge Co. (General Forgings), 2512 W 21st
O'Leary Arthur J. & Son Co. (Bars, Rods, Bolts, Vises, Railway & Quarry Tools, etc), 65th & 57th av
Standard Forgings Co., 80 E Jackson blvd
Steel Fabricating Co. (Light), Chicago Heights, Ill.
Sundberg Co. (General Forgings), 1024 W Kinzie
Union Drop Forge Co., 358 W Grand av.
Western Steel Car & Foundry Co. (Car & Railroad), Peoples' Gas bldg, Chicago, Ill.
Willard Sons & Bell Co. (Axles, Locomotives & Cars), 3044 98th
EAST ST. LOUIS—Laclede Steel Co. Valley Works
HARVEY—Buda Co. (See Chicago, Ill.)
MOUNT VERNON—Mount Vernon Car Mfg. Co. (R R, etc)
PEORIA—Armstrong J. C. Machine & Foundry Co.
ROCKFORD—Rockford Drop Forge Co. (Steel)

### INDIANA.

FORT WAYNE—Bass Foundry & Machine Co. (Hammond Iron & Steel, also Car Axles)
GARY—Gary Screw & Bolt Co.
HAMMOND—Steel Car ,Forge Co. (Car etc)
INDIANA HARBOR—Standard Forgings Co. (Heavy, for Mining, Milling & Power Transmission Machinery) (See Chicago, Ill.)

### IOWA.

DES MOINES—McDonnell Boiler & Iron Works (Heavy)

WATERLOO—Armstrong Mfg. Co. (Heavy Steel)
Ferguson Mfg. Co. (Oil, Gas & Water)

### KANSAS.

KANSAS CITY—Strait H. N. Mfg. Co.

### KENTUCKY.

LOUISVILLE—Drummond Mfg. Co. (Vehicles, Axles, etc), 1210 W Main
Sheppard Mfg. Co.
OWENSBORO — Owensboro Forging Co. (Vehicle Only)

### LOUISIANA.

NEW ORLEANS—Swoop Julian M. (Light & Heavy), 913 Girod

### MAINE.

PORTLAND—Portland Co.
SOUTH PORTLAND—Marine Hardware Equipment Co.
*See adv index at end of book*

### MARYLAND.

BALTIMORE—Baltimore Car & Foundry Co., Iron and Steel, Railroad, etc
Cahill W. S. Co., Key Highway & Webster.
CUMBERLAND—Cumberland Steel Co.

### MASSACHUSETTS.

ARLINGTON HEIGHTS—Jones Ball Co. (Small Steel, Brass, etc)
BOSTON—Boston Forge Co. (All Kinds of Hammered Forgings), E
Preble Edward, 103 Sumner, E B
CAMBRIDGE — Barbour Stockwell Co. (Light & Heavy)
EVERETT—New England Bolt Co. (All Kinds)
GLOUCESTER—Cape Ann Anchor Works
QUINCY—Fore River Shipbuilding Corp. (Heavy)
SPRINGFIELD—Moore Drop Forging Co.
Wason Mfg. Co. (For Steam Electric Railroads)
WORCESTER—New England Forge Co.
Wyman-Gordon Co. (All Kinds)

### MICHIGAN.

DETROIT—Anderson Forge & Machine Co.
Christe-Kline Forge & Machine Co (Automobile & Sewing Machine), 453 Guain
Detroit Forging Co., 120 Mt. Elliot av
Great Lakes Engineering Works (Marine, etc), Real Est. Exch. bldg
Hayes Mfg. Co., 480 Maybury
Lauer Jno. Mach. Co., 110 St. Antoine
Michigan Bolt & Nut Works, ft. of Meldum
Pollak Steel Co., 790 Woodward
United Forge & Machine Co., 527-43 Franklin, Detroit, Mich.
GRAND RAPIDS—Leitelt Adolph Iron Works
JACKSON—Mott Wheel Works (Carriage & Bike Wagon)
MANISTEE—Manistee Iron Works Co. (Railroad & Heavy)
SAGINAW—Koehler Bros.
SAULT SAINTE MARIE—Hickler Bros.

### MINNESOTA.

DULUTH—National Iron Co.

### MISSOURI.

KANSAS CITY—Kansas City Bolt & Nut Co. (Car R R & Merchant)
ST. LOUIS—American Car & Foundry Co. (Car, Railroad & Merchant), Syndicate Trust bldg
Laclede Steel Co. (Standard Special Forgings), Federal Reserve Bank bldg
Moran Bolt & Nut Mfg. Co. (Car), 1st & Florida
St. Louis Car Co. (Car), 8000 N B'way

### MONTANA.

BUTTE—Western Iron Works

### NEBRASKA.

OMAHA—Paxton & Vierling Iron Works

### NEW JERSEY.

BORDENTOWN — Bordentown Forge & Machine Co.
CAMDEN—Camden Forge Co. (Railway Forgings)
CHROME—Chrome Steel Works
HOBOKEN—Atkinson W. H. Co. (Hammered Forgings, Rough or Machined)
Consolidated Iron Works
New York Switch & Crossing Co. (Railroad)
Nilson-Miller Co. (Steam Hammer & Hand Forgings), 1300-1306 Hudson
*See adv index at end of book*
Union Iron Works (Light & Heavy)
JERSEY CITY—Drop Forging Co. of N. Y., 301 West Side av
Smith Theo. & Sons Co. (Heavy), ft of Essex
NEWARK—Hewes & Phillips Iron Works, 8 Orange
Interstate Bridge Forge & Mfg. Co., 207 Market
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Strieby & Foote Co., 301 Ogden (Carriage, Bicycle & Auto, etc)
NEW BRUNSWICK—New Brunswick Iron Works

### NEW YORK.

ALBANY—Townsend Foundry & Machine Shop Co., Broadway & Rensselaer
*See adv index at end of book*
AUBURN—Genesee Clapp E. D. Mfg. Co. (Carriage, etc), 300 Genesee
Eccles Richard Co.
Henry & Allen
BATAVIA—Baker Gun & Forging Co. (Gun)
BUFFALO—Brennan Richard, Iron Works, 33 River
De Laney Forge & Iron Co., 300 Perry
General Drop Forge Co.
Progressive Structural Steel Co.
Sizer Forge Co. (Locomotive, Iron & Steel Drawing Axles & Marine Engine), 238 Larkin
Vulcan Steam Forging Co., 251 Rano
Wurtz & Son (Railroad & Boiler), Builders Exchange
CORTLAND — Brewer - Titchener Corp. (Carriage)
HILLBURN—Ramapo Iron Works (Railroad, etc)
ITHACA—Williams Bros.

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Arwe Carl H. Mfg. Co. Machined), 1348 De Kalb av
Columbia Machine Works & Malleable Iron Co. (Light & Heavy), Atlantic av & Chestnut
Fulton Foundry & Machine Co. (Machinery, etc), 21 Furman
Gaskell Wm. & Son, 59 Freeman
Gill Phil. H. & Sons (Forging & Piping), 2 Lorraine
Hay-Budden Mfg. Co. (Dies, Weldless Rings, Spinning Chucks), 254 N Henry
Williams J. H. & Co., 31 Richards
*See adv index at end of book*

#### Boroughs of Manhattan and Bronx.

NEW YORK—**ALLOY STEEL PRODUCTS CORP.**, 19 W. 44th
*See adv index at end of book*
American Bridge Co., 30 Church
American Car & Foundry Co. (Car Railroad & Merchant), 165 B'way
Crowley John A. Co., 120 Liberty
Davidson Steel & Forging Corp., 122 Maiden la.
Dobbie Foundry & Machine Co. (Heavy Plate & Structural Work), 22 Warren. Works: Niagara Falls, N. Y.
GERDES & CO., 42 Church
*See adv index at end of book*
Gould Coupler Co. (Car Couplers, etc), 30 E 42d
Griscom-Russell Co., 92 West
*See adv index at end of book*
Greenlie-Halliday Co. (Heavy & Light), 499 Water
McDougall & Potter Co., Inc., 606 W 55th
Newhall Chain, Forge & Iron Co., 89 West
Ogden J. Edward Co. (Light & Heavy), 147 Cedar
Pennell J. F., Inc., 206 B'way
Philadelphia Steel & Forge Co. (All Kinds), 50 Church; Works: Tacony, Phila., Pa.
Watson's Forge & Machine Works, 553 W 35th

#### Borough of Queens.

MASPETH—MERRILL BROS., 3 Arnold
*See adv index at end of book*

**(End of New York City)**

NIAGARA FALLS—Ramapo Iron Works (Railroad, etc)
SYRACUSE—**HALCOMB STEEL CO.**
*See adv index at end of book*
The Hammond Steel Co., Inc. (Steel only)
TONAWANDA—Gillie Machine Co. (Small Light)
UNION—Union Forging Co. (Carriage & Automobile)

### OHIO.

AKRON—Akron-Selle Co. (Wagon)
ALLIANCE—Morgan Engineering Co.
*See adv index at end of book*
CANAL FULTON—Fulton Drop Forge Co.
CINCINNATI—Pettis W. W. Co., 416-417 First Natl. Bank bldg
*See adv index at end of book*
Pollak Steel Co. (Railroad, etc), Carthage
Queen City Forging Co. (For Carriage Builders, etc), Dumont & Tennyson, Columbia
Steel Forgings Co., Oakley
Talbot C. R. Co., Alfred & Spring Grv. av
Winkelman Louis & Co., 213 Lawrence
CLEVELAND—American Ship Building Co. (Heavy, Marine, etc), ft. of W. 54
Champion Machine & Forging Co. (Upsetting Special Machine & Hammer Forgings), 3690 E 78th
*See adv index at end of book*
Cleveland City Forge & Iron Co. (Light etc)
Cleveland Hardware Co. (Steel Forgings for Vehicles), Lakeside av & E 45th
Cleveland Machine & Mfg. Co., 4944 Hamilton av
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E
Dyson Jos. & Sons (For Machine Tools, including Spindles, Shafts, Gear Blanks, etc), 5125 St. Clair av
Eagle Bolt & Forging Co. (Light), 1435 E 45th
ELECTRIC STEEL & FORGE CO. (Dies & Die Tempering, Shaft Cranks, etc), 6600 Grant av
*See adv index at end of book*
FISHEL & MARKS CO., ft. of Krakow av
*See adv index at end of book*
Horsburgh Forge Co., 17310 St Clair
JOHNSTON & JENNINGS CO., Addison rd & N. Y. C. R. R.
*See adv index at end of book*
Lake Erie Forge & Machine Co. (Die, Weldless Steel Rings & Machine Forgings)
Machinery Forging Co. (Small), Hamilton & Marquette
Ohio Forge Co. (Automobile Machine, etc.)
Ohio Machine & Boiler Co., 1501 University rd
Park Drop Forge Co. (Open Hearth, Crucible & Alloy Steel), 760 E 79th
Wyman & Gordon Co., 3803 Superior av (See Worcester, Mass.)
COLUMBUS—Columbus Anvil & Forging Co.
Columbus Bolt Works Co. (Carriage, etc.)
COLUMBUS FORGE & IRON CO. (Heavy & Light Forgings in Multiples) *See adv index at end of book*
DAYTON—Davis Sewing Mach Co. (Steel)
Plocher Andrew Sons Co.
FREMONT—Herbrand Co. (Carriage, etc)
MARIETTA—Leidecker Tool Co.

FORGINGS (IRON & STEEL)—continued
MARTINS FERRY—McDermott P. J.
MASSILLON—Griscom-Russell Co.
*See adv index at end of book*
NILES—Niles Forge & Mfg. Co.
NORWALK—Norwalk Drilling Tool Co. (Heavy)
SANDUSKY—Klotz Machine Co. (Light)
TOLEDO—Duncan Co., The, 508 Water
**Toledo Foundry & Machine Co.**
Toledo Machine & Tool Co.
YOUNGSTOWN—Youngstown City Forge Co.

PENNSYLVANIA.

ALIQUIPPA—Vulcan Crucible Steel Co. (Steel)
ALLENTOWN—Bonney Vise & Tool Works Inc. *See adv index at end of book*
BRACKENRIDGE—Western Tool & Forge Co. (Air Brake, Car, Wagon, etc)
BRADFORD—Tuna Iron & Steel Works
BRAEBURN—Braeburn Steel Co. (Steel Only)
BURNHAM—Standard Steel Works Co. (Steel Locomotive)
BUTLER—Kesselman & Co. (Heavy)
Larkin & Co.
**CARNEGIE—Alloy Steel Forging Co. (Rolled Bars & Forgings)**
CHESTER—Thurlow Steel Works
CONNELLSVILLE—Connellsville Machine & Car Supply Co. (Light & Heavy)
CORRY—McInnes Steel Co. (Ltd.) (Machinery & Tool Steel Shapes Forged to Order)
EASTON—Wharton Wm. Jr. & Co., Inc.
EDDYSTONE—Tindel Morris Co. (Steel Only, Crankshaft & Finished Forging)
ELLWOOD CITY—Ellwood City Forge Co. (Crankshafts, Connecting Rods. Die Blocks, etc)
Steel Car Forge Co. (Car & Locomotive)
ERIE—Bay City Forge Co. (Shapes of all Kinds, Rolls, etc), 1820 Cranberry
Erie Car Works (Car, etc), 1150 W 17th
Erie Forge Co. (Engine, Crankshafts, Connecting Rods, etc.)
Lakeside Forge Co. ("Lakeside" Steel only) *See adv index at end of book*
HARRISBURG—Harrisburg Foundry & Machine Works
JOHNSTOWN—Cambria Steel Co. (Steel Car & General Heavy), Main Office: Phila., Pa.
Lorain Steel Co. (Steel)
Suppes Forge & Foundry Co.
Weimer Machine Works Co.
McKEESPORT—Firth-Sterling Steel Co. (Crucible Open Hearth)
MECHANICSBURG—Wilcox D. Mfg. Co. (Carriages & Special of all Kinds)
MILLERSBURG—Millersburg Fifth Wheel Co. (Light)
MILTON—Milton Mfg. Co. (Shafting, Crankshafts, etc)
MONONGAHELA—Liggett Springs & Axle Co. (Buggy & Wagon Axles, etc)
MT. CARMEL—Mt. Carmel Iron Works
NEW BRIGHTON—**LEARD WM. CO.** (Special Forgings), 16th & 5th av
*See adv index at end of book*
NORTH EAST—Electric Materials Co. (Steel)
NORTHUMBERLAND—Keystone Forging Co. (Carriage & Special)
OAKMONT—Crescent Forging Co.
PHILADELPHIA—Ashman S. A. & Son Co., 2300 E Tioga
Brill J. G. Co. (For Steam & Electric Railroads), 62d & Woodland av
Cambria Steel Co. (Steel Car & General Heavy), Widener bldg
Cann & Saul Steel Co., 516 Commerce
Cramp Wm. & Sons Ship & Engine Bldg. Co. (Marine, etc), Beach & Ball
Hoopes & Townsend Co. (Car, etc), Broad & Buttonwood
Illingworth, John Steel Co. (Crucible Open Hearth Steel), Tacony & Lewis
McGookin D. H. (Structural, etc.), 1630 N 9th
Midvale Steel & Ordnance Co. (Marine, Locomotive, Car, Gun, etc. of Steel Only), Widener bldg
Nicetown Plate Washer Co., 1824 Juniata
Penn Seaboard Steel Corp., Franklin Bank bldg
*See adv index at end of book*
Pennsylvania Forge Co. (Steel Only), Jenks & Bath
Philadelphia Steel & Forge Co., Milnor & Bleigh (See New York)
**PHILA. STEEL & IRON CO.**, Commercial Trust bldg
Phoenix Iron Co. (For own Consumption Only), 22 S 15th
Standard Steel Works Co. (Steel Locomotive), Morris bldg
Tacony Steel Co., Franklin Bank bldg
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
PHOENIXVILLE — Phoenix Iron Co. (Heavy)
PITTSBURGH—Allegheny Forging Co., Keenan bldg
Baltimore Car & Foundry Co.
Carnegie Steel Co. (Steel Only), Carnegie bldg
Crucible Steel Co. of America (Steel Only of All Kinds), Oliver bldg
Duff Mfg. Co., N. S.
*See adv index at end of book*
Edgewater Steel Co., Edgewater Station & A. V. R. R.
Electro Steel Co. (Electric Furnace Steel), Curry bldg
Etna Forge & Bolt Co. (Car), House bldg
Forged Steel Wheel Co. (Railroad, etc)
Fuller Steel & Iron Co., Park bldg
*See adv index at end of book*
Heppenstall Forge & Knife Co. (Automobile, Gas Engine & Miscellaneous), 47th & Hatfield
Hubbard & Co. (Light), 63rd & Butler
Kaufman E. & Co., Farmers Bank bldg
Lanz M. & Sons, 2907 Carson
**MESTA MACHINE CO.**, Box 1194 (Steel Only)
*See adv index at end of book*


FORGINGS
Heavy Forgings of all kinds
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.


New Castle Steel & Iron Co. (Car, Mine, Agricultural, etc)
Oil Well Supply Co., 215 Water
Pittsburgh Block & Mfg. Co., 818 South av
Pittsburgh Forge & Iron Co. (Car, Locomotive & Marine), Chamber of Commerce bldg
Pittsburgh Knife & Forge Co., Ridge & Chateau
Pittsburgh Rivet Co. (Rivets, Bolts, etc), 39th
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Pressed Steel Car Co. (Iron & Pressed Steel), 307 5th av, Pittsburgh, Pa.
Steel Car Forge Co. (For Steam & Electric Railways, Mfg. Plants, etc), Frick bldg, New York
**UNITED STATES CHAIN & FORGING CO.** (Light & Heavy), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
RANKIN—(See Pittsburgh)
READING—Carpenter Steel Co. (Steel & Gun)
Penn Foundry & Mfg. Co.
Reading Iron Co. (Heavy Marine Engines, etc)
SCRANTON—**SCRANTON FORGING CO.**
*See adv index at end of book*
SHARON—Driggs-Seabury Ordnance Co.
SOUTH BETHLEHEM—Bethlehem Steel Co. (Heavy of All Kinds)
SWISSVALE—Union Switch & Signal Co.
TITUSVILLE—Titusville Forge Co. (Light & Heavy, Shapes of Every Description & Roll Forgings, Car Forgings, etc)
VERONA—Valley Forging Co. (Car & Special)
WILKES-BARRE—Vulcan Iron Works

RHODE ISLAND.

PROVIDENCE—Rhode Island Tool Co. (For the Trade)

SOUTH CAROLINA.

CHARLESTON—Charleston Dry Dock & Machine Co.
Charleston Iron Works (Mach. & Marine)
Riverside Iron Works (Marine, etc)

TENNESSEE.

CHATTANOOGA—Lucey Foundry & Machine Co.
KNOXVILLE—Knoxville Foundry & Machine Co. (Heavy)

TEXAS.

DALLAS—Mosher Mfg. Co. (Heavy)
HOUSTON — Bayou City Iron Works (Heavy)
Houston Car Wheel & Machine Co. (Heavy)

VIRGINIA.

RICHMOND—Cameron Stove Co.
Richmond Forgings Corporation
Tredegar Co. (Car & Machinery), ft. of 5th

WASHINGTON.

SEATTLE—Seattle Construction & Dry Dock Co. (Marine, etc)
Vulcan Mfg. Co., 1200 4th av
SPOKANE—Northwest Harvester Co.

WISCONSIN.

CUDAHY—Ladish Drop Forge Co. (Crankshafts, Gear Blanks, Connecting Rods, etc.)
NORTH MILWAUKEE—Wisconsin Bridge & Iron Co.

## 4952—Forgings (Liquid Compound)

Bethlehem Steel Co., South Bethlehem, Pa.

## 4952a—Forgings (Locomotive)

Duff Mfg. Co., N. S. Pittsburgh, Pa.
*See adv index at end of book*
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
**LEARD WM. COMPANY**, New Brighton, Pa. *See adv index at end of book*
Midvale Steel Co., Widener bldg, Phila, Pa.
Pitts Forge & Iron Co., 1003 Penn av, Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, Ohio.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Steel Wks. Co., Morris bldg., Phila, Pa.
Steel Car Forge Co., Elwood City, Pa.
Willard Sons & Bell Co., 3044 98th, Chicago, Ill.

## 4952b—Forgings (Machinery)

American Forge & Machine Co., 1415 Barth ct, S W, Canton, O.
American Forge Works (Heavy), Denver, Colo.
American Forging Co., Clifton, N. J.
Charleston Iron Wks., Charleston, S. C.
Christie-Kline Forge & Machine Co., 453 Guoin, Detroit, Mich.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., N. S. Pittsburgh, Pa.
*See adv index at end of book*
Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.
**ELECTRIC STEEL & FORGE CO.**, 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Fulton Fdy. & Mach. Co., 21 Furman, B'klyn, N. Y.
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
Ingalls-Shepard Forging Co., 322 S Michigan, Chicago, Ill
**JOHNSTON & JENNINGS CO., Addison rd & N. Y. C. R. R., Cleveland, O.**
*See adv index at end of book*
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th, New York
*See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
McInnis Steel Co., Ltd., Corry, Pa.
Moore Drop Forging Co., Sprngfield, Mass.

Murphy Timothy Iron Works, Jacksonville, Fla.
Niles Forge & Mfg. Co., Niles, O.
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, Ohio.
*See adv index at end of book*
Pollak Steel Co., Cincinnati, Ohio.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Tredegar Co., ft. of 5th, Richmond, Va.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 4953—Forgings (Manganese Bronze)

**AMERICAN MANGANESE BRONZE CO.,** 3501 Rhawn, Phila., Pa.
Anderson Forge & Machine Co., Detroit, Mich.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Cramp Wm. & Sons Ship & **Engine Bldg.** Co., Beach & Ball, Phila., Pa.
General Drop Forge Co., **Buffalo, N. Y.**
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*
**Wyman-Gordon Co., Worcester, Mass., & Cleveland, O.**

## 4954—Forgings (Manganese Steel)

Anderson Forge & Machine Co., Detroit, Mich.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
**SCRANTON FORGING CO.,** Scranton, Pa.
*See adv index at end of book*
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 4954a— Forgings (Marine)

American Shipbuilding Co., Cleveland, O.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co., S Bethlehem, Pa.
Camden Forge Co., Camden, N. J.
Charleston Iron Works, Charleston, S. C.
Cramp Wm. & Sons Ship & Engine Bldg. Bldg. Co., Beach & Ball, Phila, Pa.
De Laney Forge & Iron Co., Buffalo, N. Y.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Erie Forge Co., Erie, Pa.
Great Lakes Engineering Wks., Detroit, Mich.
Horsburgh Forging Co., Cleveland, O.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
**LEARD WM. CO.,** New Brighton, Pa.
*See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Midvale Steel Co., Widener bldg, Phila, Pa.
Pittsburgh Forge & Iron Co., Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, Ohio.
**PRESTON MOTORS CORP.,** 2702 N. 24th, Birmingham, Ala.
*See adv index at end of book*
Riverside Iron Wks., Charleston, S. C.
Seattle Construction & Dry Dock Co., Seattle, Wash.
Stolz Jos. & Son, Inc., 841 & 136 New York
Titusville Forge Co., Titusville, Pa.

## 4955—Forgings (Monel Metal)

Am. Brass Products Co., Pottstown, Pa.
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Nilson-Miller Co., 1300-1308, Hudson, Hoboken, N. J.
*See adv index at end of book*
Pennsylvania Forge Co., Jenks & Bath, Phila., Pa.
Strieby & Foote Co., **301 Ogden, Newark,** N. J.
*See adv index at end of book*
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av, N. S., Pittsburgh, Pa.
*See adv index at end of book*
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 4956— Forgings (Nickel Steel)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Forge Works, Denver, Colo.
Am. Forging Co., Clifton, N. J.
American & British Mfg. Co., Charles, Providence, R. I.
Anderson Forge & Machine Co., Detroit, Mich.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
**Bethlehem Steel Co., South Bethlehem, Pa.**
**Billings & Spencer Co., Hartford, Conn.**
Blakeslee Forging Co., Plantsville, Conn.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
**Boston Forge Co., E. Boston, Mass.**
Carbon Steel Co., ft 32d, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pitts**burgh, Pa.**
Carpenter Steel Co. (Nickel Chrome Steel), Reading, Pa.
**Champion** Machine & Forging Co., 3690 E 78th, Cleveland, O.
*See adv index at end of book*
Clapp E. D. Mfg. Co., **300 Genesee, Auburn, N. Y.**
**COLUMBUS FORGE & IRON CO.,** Columbus, O. *See adv index at end of book*
Crescent Forgings Co., Oakmont, Pa.
Crowley John A. Co., **120 Liberty, New York**
**Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.**
**Driggs-Seabury Ordnance Co., Sharon, Pa.**
Drop Forgings Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duncan Co., The, 508 Water, Toledo, O.
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Fulton Drop Forge Co., Canal Fulton, O.
General Drop Forge Co., Buffalo, N. Y.
Hammond Steel Co., Inc., Syracuse, N. Y.
Heppenstall Forge Co., Bridgeport, Conn.
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
Kropp Forge Co., 2512 W 21st, Chicago, Ill.
Laclede Steel Co., Arcade bldg. Forging Plant, East St. Louis, Ill.
Ladish Drop Forge Co., Cudahy, Wis.
Lakeside Forge Co. ("Lakeside"), Erie, Pa. *See adv index at end of book*
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*
Ohio Forge Co., Cleveland, O.
Park Drop Forge Co., **760 E 79th, Cleveland, O.**
Pollak Steel Co., Cincinnati, Ohio.
Richmond Forgings Corp., **Richmond, Va.**
Riverside Metal Co., Riverside, N. J.
Seward M. & Son Co., **New Haven, Conn.**
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Strieby & Foote Co., **301 Ogden, Newark,** N. J.
The Hammond Steel Co., Inc. (Chrome Nickel Steel), Solvay, N. Y.
Tindel-Morris Co., **Eddystone, Pa.**
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
**Titusville Forge Co., Titusville, Pa.**
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Union Switch & Signal Co., Swissvale, Pa.
Vulcan Steam Forging Co. **(Chrome), 251** Rano, Buffalo, N. Y.
**Warren Axe & Tool Co., Warren, Pa.**
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wyman-Gordon Co., Worcester, Mass.
Yuba Mfg. Co., Insurance Exch. bldg, San Francisco, Cal.

## 4956a—*Forgings (Pipe Flanged)

Tioga Steel & Iron Co., 52d & Grays, Phila., Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 4957— Forgings (Press)

Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Pollak Steel Co., Cincinnati, Ohio
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Tioga Steel & Iron Co., 52d & Grays, Phila., Pa.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 4957a—Forgings (Railroad)

American Car & Foundry Co., St. Louis, Mo.
Baltimore Car & Foundry Co., Pittsburgh, Pa.
**Brill J. G. Co.,** 62nd & Woodland av, Phila, Pa.
Camden Forge Co., Camden, N. J.
**CRUCIBLE STEEL FORGE CO.,** 6609 Grant av, Cleveland, O.
*See adv index at end of book*
Drop Forging Co. of N. Y., 301 West Side av, Jersey City, N. J.
Duff Mfg. Co., N. S., Pittsburgh, Pa.
*See adv index at end of book*
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Forged Steel Wheel Co., Pittsburgh, Pa.
Ingalls-Shepard Forging Co., 322 S Michigan, Chicago, Ill.
McKay Jas. Co., Pittsburgh, Pa.
Manistee Iron Works Co., Manistee, Mich.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
Murphy Timothy Iron Works, Jacksonville, Ila.
New York Switch & Crossing Co., Hoboken, N. J.
Niagara Forged Steel Co., Buffalo, N. Y.
Pollak Steel Co., Carthage, Cincinnati, O.
Pollak Steel Co., Cincinnati, Ohio.
**PRESTON MOTORS CORP.,** 2702 N. 24th, Birmingham, Ala.
*See adv index at end of book*
Ramapo Iron Works, Hillburn, N. Y.
*See adv index at end of book*
Steel Car Forge Co., Pittsburgh, Pa.
Stolz Jos. & Son, Inc., 841 E. 136th, New York
Wason Mfg. Co., Springfield, Mass.
Western Steel Car & Foundry Co., Peoples' Gas bldg, Chicago, Ill.
Wurtz & Son, Builders' Exchange, Buffalo, N. Y.

## 4958—Forgings (Seamless Steel)

Carpenter Steel Co., Reading, Pa.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 4958a— Forgings (Ship)

Am. Forging Co., Clifton, N. J.
**AMERICAN STANDARD SHIPFITTINGS CORP.,** 115 B'way, New York
*See adv index at end of book*


MATERIALS FOR SHIPS

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AMERICAN STANDARD SHIPFITTINGS CORP.

115 BROADWAY NEW YORK


Anniston Steel Co., Anniston, Ala.
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Henderson Shipbuilding Co., Mobile, Ala.
Murphy Timothy Iron Works, Jacksonville, Pla.
Nelson Iron Works, 45 Spokane av, Seattle, Wash.
Pollak Steel Co. (Builders Lake & Ocean),
Wharton Wm Jr. & Co., Inc. (Hammered & Pressed), Easton, Pa.

## 4958b—Forgings (Spindles & Arbors)

Bay City Forge Co., 1820 Cranberry, Erie, Pa. *See adv index at end of book*
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
**JOHNSTON & JENNINGS CO.,** Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Leard Wm. Co., New Brighton, Pa.
*See adv index at end of book*

## 4959—Forgings (Switch Rope)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.

## 4959a—*Forgings (Tobin Bronze)

Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 4960—Forgings (Telegraph & Telephone Pole)

Bonney Vise & Tool Works, Inc., **Allentown,** Pa. *See adv index at end of book*
**Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.**
Marine Hardware Equipment Co., South Portland, Maine
*See adv index at end of book*
New Castle Steel & Iron Co., **Pittsburgh,** Pa.

## 4960a1—Forgings (Tractor)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
**CHAMPION MACHINE & FORGING CO.,** 3690 E 78th, Cleveland, O.
*See adv index at end of book*
Duff Mfg Co., N. S., Pittsburgh, Pa.
*See adv index at end of book*
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Pollak Steel Co., Cincinnati, Ohio
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 4960a— Forgings (Upsetting Machine)

Ohio Forge Co., Cleveland, O.
**CHAMPION MACHINE & FORGING CO.,** 3690 E 78th, Cleveland, O.
*See adv index at end of book*
Williams J. H. & Co., 31 Richards, B'klyn N. Y. *See adv index at end of book*

## 4961—Forgings (Vanadium Steel)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis
American Forge Works, Denver, Colo.
American Forging Co., Clifton, N. J.
American Locomotive Co. (Locomotive, etc), 30 Church, New York
Anderson Forge & Machine Co., Detroit, Mich.
Bethlehem Steel Co. (General & Drop Forgings), S Bethlehem, Pa.
Blakeslee Forging Co., Plantsville, Conn.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
**Carnegie Steel Co. (Locomotive & General), Carnegie bldg, Pittsburgh, Pa.**
**Crescent Forgings Co. (Drop Forgings),** Oakmont, Pa.
Crowley John A. Co., 120 Liberty, New York
**Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.**
Damascus Crucible Steel Casting Co., New Brighton, Pa.
Davis Sewing Mach. Co., Dayton, O.
**Driggs-Seabury Ordnance Co. (Drop Forgings), Sharon, Pa.**
Drop Forging Co. of N. Y., 301 W. Side av, Jersey City, N. J.
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
**Erie Forge Co. (General Forgings), Erie,** Pa.
Frost Gear & Forge Co. (Auto Axles, Crankshafts), Jackson, Mich.
General Drop Forge Co. (Drop Forgings), Buffalo, N. Y.
Hammond Steel Co., Inc., Syracuse, N. Y.
**Johnston & Jennings Co., Addison rd & N** Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Ladish Drop Forge Co., Cudahy, Wis
Marine Hardware Equipment Co., South Portland, Maine.
*See adv index at end of book*
**Mesta Machine Co.** (General Forgings), Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Moore Drop Forging Co., Springfield, Mass.
**Morgan Engineering Co.,** Alliance O.
*See adv index at end of book*
Ohio Forge Co., Cleveland, O.
Pollak Steel Co., Cincinnati, Ohio
Richmond Forgings Corp., Richmond, Va.
**Standard Steel Works Co. (Locomotive,** etc), Morris bldg, Phila., Pa.
Strieby & Footee Co., 301 Ogden, Newark, N. J.
The Hammond Steel Co., Inc., Solvay, N. Y.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Titusville Forge Co. (General Hammered or Pressed), Titusville, Pa.
**Transue & Williams Steel Forging Corp.** (Drop Forgings), Alliance, O.
Union Switch & Signal Co., Swissdale, Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.
Williams J. H. & Co. (Drop-Forgings), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*
**Wyman-Gordon Co. (Drop Forgings), Worcester, Mass.**

## 4962— Forks (Alfalfa)

Milwaukee Hay Tool Co., Milwaukee, Wis.
Myers F. E. & Bro., 900 Fourth, Ashland, O.
*See adv index at end of book*
Ney Mfg. Co., Canton, O.
Ney V. L. Hay Tool Co., Canton, O.
Strickler Hay Tool Co., Janesville, Wis.

## 4963-4—Forks (Ballast, Coal, Coke, Stone, Etc.)

American Fork & Hoe Co., Swetland bldg, Cleveland, O.
American Shovel & Stamping Co., Lorain, Ohio
Beall Bros. (Inc.), Alton, Ill.
**Hubbard & Co., 63rd & Butler, Pittsburgh Pa.**
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Union Fork & Hoe Co., Columbus, O.
Wallingford Mfg. Co., Wallingford, Vt.

## 4965-6— Forks (Corn)

Pfleghar Hardware Specialty Co ("Perfection"), New Haven, Conn.

## 4967— Forks (Flesh)

Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Cassady Fairbank Mfg. Co. (Wire), 6126 S La Salle, Chicago, Ill.
Central Stamping Co. (Forged, Retinned), 172 Fulton, New York
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York

## 4968— Forks (Garden)

Potter Mfg. Co. (Small Malleable Iron), Geneva, O.
Sargent & Co., New Haven, Conn.

## 4969— Forks (Hand)

**American Fork & Hoe Co.** ("True Temper" Coal, Coke, Beet, Barley, Corn, Potato, Straw, Stone, Stable, Tanner, Manure, Hedder, Hay, Sluice, Spading, Vegetable, Scoop, etc), Swetland bldg, Cleveland, O.
American Shovel & Stamping Co., Lorain, Ohio
Hills Edwin (Spading), Plainville, Conn.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Union Fork & Hoe Co. ("Farm King," "Vulcan," Grain, Hay, Manure, Coke, Coal, Stone, Sluice, Ensilage, Spading, Hedder, Barley, Beet, Potato, Digging, Tanners, etc), Columbus, O.
Wallingford Mfg. Co. (Hay, Hedder, Manure, etc), Wallingford, Vt.

## 4970— Forks (Hay, Derrick)

Jackson Byron Iron Works, Berkeley, Cal.
**Milwaukee Hay Tool Co., Layton Park,** Milwaukee, Wis.
**MYERS F. E. & BRO.** ("Jackson" & "California"), 900 Fourth, Ashland, O.
*See adv index at end of book*
Ney Mfg. Co., Canton, O.
Porter J. E. Co., Ottawa, Ill.
Syracuse Chilled Plow Co., Syracuse, N. Y.

## 4971—Forks (Hay, Grapple & Harpoon)

Read Explanation Following Names

Appleton Hay Tool Co. ("Miller Eagle"), Appleton, Wis.
Farrell Jno. & Son ("Farrell" Grapple), Newton, N. J.
Goshen Mfg. Co. (Harpoon), Goshen, Ind.
Hunt, Helm, Ferris & Co. (Grapple & Harpoon), Harvard, Ill.
Louden Machinery Co. (Grapple & Harpoon), Fairfield, Iowa
Milwaukee Hay Tool Co. (Derrick, Double, "Harris," "Milwaukee," "Nellies," Grapple & Harpoon), **Layton Park,** Milwaukee, Wis.
**MYERS F. E. & BRO.** ("Myers" Double Harpoon & Grappling Harpoon, "Harris" Double Harpoon, "Nellis" Single Harpoon, "Myers" Grapple Fork, Automatic Grapple Forks & "Perfect" Automatic Grapple Forks), 900 4th, **Ashland, O.**
*See adv index at end of book*
Ney V. L. Co. (Harpoon), Canton, O
Porter J. E. Co. ("Porter's" "Acme." "Harris," "Nellis" Grapple & Harpoon), Ottawa, Ill.
Strickler Hay Tool Co. ("Strickler" Grapple & Harpoon), Janesville, Wis.
Swineford G. A. Co. ("Harris," "Nellis," "Walker"), Canton, O.
Syracuse Chilled Plow Co. ("Syracuse" Grapple & Harpoon), Syracuse, N. Y.
U. S. Wind Engine & Pump Co. ("Noyes," "U. S." Grapple & Harpoon), Batavia, Ill.
Whitaker Mfg. Co. ("Jackson," "Nellis," "Whitaker" Grapple & Harpoon), **409** S Green, Chicago, Ill.

## 4972—Forks (Hay, Lock Lever)

Hunt, Helm, Ferris & Co., Harvard, Ill.
**MYERS F E & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*

## 4973— Forks (Kitchen)

Taplin Mfg. Co., New Britain, Conn.

## 4974— Forks (Meat)

White Ira F. & Son Co., Bloomfield, N. J.

## 4975— Forks (Rail)

Beal Bros. (Inc.), Alton, Ill.
Evansville Tool Works, Evansville, Ind.
**Hubbard & Co., 63d & Butler, Pittsburgh, Pa.**
Iron City Tool Works, Ltd. (Steel), 3201 Smallman, Pittsburgh, Pa.
**Oliver Iron & Steel Co., S 10th & Muriel,** Pittsburgh, Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Verona Tool Works (Steel), Verona, Pa.
Warwood Tool Co., Warwood, Wheeling, W. Va.

## 4976— Forks (Rising)

Columbus Handle & Tool Co. ("Never Break"), Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Nagel W. G. Electric Co., Toledo, O.
Ransome Concrete Machine Co., Dunellen, N. J.

## 4977— Forks (Stable, Wood)

**Torrey Bros. Co., Central Village, Conn.**

## 4978— Forks (Tedder)

**American Shovel & Stamping Co., Lorain, Ohio**
**Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.**
**Harrow Spring Co., Milwaukee, Wis. Works: Kalamazoo, Mich.**
**Mason F. C. & Co., St. Johns, Mich.**

## Forks (Trolley)

See Harps, Trolley

## 4979— Forks (Vegetable)

**Andrews Wire & Iron Works, Rockford, Ill.**
**Browne & Dowd Mfg. Co., Meriden, Conn.**
**Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.**
**Knickerbocker Mfg. Co. (Long Meat or Vegetable), Belleville, N. J.**
**Meriden Cutlery Co., Meriden, Conn.**

## 4980— Forks (Weeding)

**Kingsbury Mfg. Co., Keene, N. H.**
**Mason & Parker Mfg. Co., Winchendon, Mass.**

## 4981— Forks (Wire Kitchen)

**Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.**
**Hamblin & Russell Mfg. Co., Worcester, Mass.**
**Parker Wire Goods Co. (Pie Cooking, etc), Worcester, Mass.**
**Wickwire Spencer Steel Corp., Worcester, Mass.** *See adv index at end of book*
**Woods-Sherwood Co. (Oyster, Pickle, Toast, etc), Worcester, Mass.**

## 4982— Forks (Wood)

**Chapman-Sargent Co. (Kraut, etc), Piqua, Ohio**
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*

## 4983— Formaldehyde

**Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.**
**Fergusson Alex. C. Jr., 474 Chestnut st, Phila., Pa.** *See adv index at end of book*
**Gray William S. & Co., 80 Maiden lane, New York.**
**Greef R. W. & Co., (40 p. c. Vol U. S. P.), 76 Front, New York**
**Harshaw, Fuller & Goodwin Co., Elec. Bldg, Cleveland, O.**
**Heyden Chemical Works, Garfield, N. J.**
**National Aniline & Chemical Co., Inc., 21 Burling Slip, New York**
**Perth Amboy Chemical Works, Perth Amboy, N. J.**

## 4984—Forming Roll & Fitting Table (Combined)

**Ryerson Jos. T. & Son (for Spring Shop Work), 910 Corn Exc. bldg, Chicago, Ill.** *See adv index at end of book*

## 4985— Formogene

**Bischoff C. & Co. (Imp), 451 Washington, New York**

## 4985a— *Forms (Balloon)

**BOGERT & HOPPER INC.**, 5 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*

## 4986—Forms (Barrel Setting-Up)

**Oram John S. Co., 1316 E 53rd, Cleveland, Ohio**

## 4986a—Forms (Concrete Construction)

**Heltzel Steel Form & Iron Co., Warren, O.**

## 4987—Forms (Curb & Sidewalk)

**Arrowsmith Concrete Tool Co., Arrowsmith, Ill.**
**Blaw-Knox Co. ("Blawforms" and Gutter), Freeport rd, Hoboken, N. J.**
**Heltzel Steel Form & Iron Co., Warren, O.**
**Hotchkiss Metal Form Co. ("Hotchkiss," Steel), Binghamton, N. Y.**
**Indiana Concrete Mold Co. ("Indiana"), Peru, Ind.**
**Littleford Bros., 444 E Pearl, Cincinnati, Ohio**
**Ubbink Joe ("Ubbink," Adjustable All Steel), Port Washington, Wis.**
**Zeiser Bros. ("Zeiser," Tie & Dividing Plates), Berwick, Pa.**

## 4987a— Forms (Dress)

**Ellaman Adjustable Dress Form Co., 380 Throop av, B'klyn, N. Y.**
**Hall Borchert Dress Form Co. (For Dressmakers & Costumes), 101 Park av, New York**

## 4987b—*Forms (Sewer or Wall)

**HETZEL STEEL FORM CO.**, Warren, Ohio
**Hydraulic Steelcraft Co., Cleveland, O.**

## 4988—Forms (Sheet Metal, for Foundries)

**Blaw-Knox Co., Freeport rd, Hoboken, Pa**
**Burdick & Son, Albany, N. Y.**
**Gem Stopper Co., 2120 Nicholas av, Phila., Pa.**

## 4989— Forms (Shoe Display)

**Gaines Joseph K., 467 C. N. W. Washington, D. C.**

## 4989a— Forms (Stocking)

**BOGERT & HOPPER INC.** (Wooden), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*
**Paramount Hosiery Form Drying Co., 337 W Madison, Chicago, Ill.**
**Phila. Metal Drying Form Co., 330 N 12th, Phila., Pa.**

## 4990—Forms (Winding, Armature & Field Coil)

**For Armature & Field Magnet Coils**
**Exeter Machine Works, Pittston, Pa.**

## 4990a— *Forms (Wire)

**Paul & Fulton, Inc., 31 W Kinzie, Chicago, Ill.** *See adv index at end of book*


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## 4991— Fossil Flour

**Chrystal Chas. B. (Imp.), 13 Cliff, New York.** *See adv index at end of book*
**Doggett Stanley, 11 Cliff, New York**
**Hammill & Gillespie (Imp), 240 Front, New York**
**OXFORD TRIPOLI SALES CO., INC.** (Flour), 11 B'way, New York
**Salomon L. A. & Bro. (Imp), 216 Pearl, New York**
**Scheel Wm. H. (Imp), 159 Maiden la, New York** *See adv index at end of book*
**Whittaker, Clark & Daniels, Inc. (Imp.), 250 Front, New York**

## 4992— Foundations

**McMullen Arthur Co. (Bridge, Caissons, Piers, Power Houses), 149 B'way, New York**
**RAYMOND CONCRETE PILE CO.**, 140 Cedar, New York
**Rust Engng. Co., Keenan bldg, Pittsburgh, Pa.**
**Underpinning & Foundation Co. (Difficult), 290 Broadway, New York.**

## Founders (Brass)

See Machinists & Founders marked with a §

## Founders (Iron)

See Machinists & Founders marked with a †

## Founders (Malleable Iron)

See Castings, Malleable Iron

## 4993—Foundry Facings & Supplies

**Albany Sand & Supply Co., Albany, N. Y.**
**American Lava Corp. (Talc Facings), Chattanooga, Tenn.** *See adv index at end of book*
**Asbury Graphite Mills (Facings), Asbury, N. J.**
**Bennett & Seeley, Inc., Bridgeport, Conn.**


**Bennett & Seeley, Inc.**

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**Bloomsbury Graphite Co. (Facings), Bloomsbury, N. J.**
**Brand S. H. Co., 559 W Lake, Chicago, Ill.**
**Brass Foundry Supply Co., Wilson av, Newark, N. J.**
**BUCKEYE PRODUCTS CO.**, 919-929 N 5th, Cincinnati, Ohio *See adv index at end of book*
**Central Foundry Supply Co., P. O. Box 945, Columbus, O.**
**Chicago Fire Brick Co., 133 W Washington, Chicago, Ill.** *See adv index at end of book*
**Cohutta Talc Co. (Cream Soapstone Facings), Dalton, Ga.**
**Combined Supply & Equipment Co., 766-772 Grant, Buffalo, N. Y.**
**Crivel Geo. F. & Co., Ellicott sq, Buffalo, N. Y.**
**Cutter & Wood Supply Co., 77 Pearl, Boston, Mass.** *See adv index at end of book*
**Detroit Foundry Co., 1 E Grand blvd & Riopelle, Detroit, Mich.**
**Dixon Joseph Crucible Co. (Facings, etc), Jersey City, N. J.**
**Doggett Stanley (Soapstone Foundry Facings), 11 Cliff, New York**
**Donald Henry R. Sales Co., Milwaukee, Wis.**
**Elliott G. Benj. (Facings), San Francisco, Cal.**
**Federal Fdry. Supply Co. ("Federal" Steel Facings, etc.), 2639 E 79th, Cleveland, O.**
**Gautier J. H. & Co. (Graphite), 1 Greene, Jersey City, N. J.**
**Georgia Talc Co. (White & Yellow Facings), Asheville, N. C.**
**Hill-Brunner Foundry Supply Co., 637 Evans, Cincinnati, O.**
**HILL & GRIFFITH CO.**, 1248 State, Cincinnati, O.; Birmingham, Ala.; Chicago, Ill., & Pittsburgh, Pa. *See adv index at end of book*
**Gartside W. N., Richmond, Ind.**
**Hoosier Supply Co., 148 S Delaware, Indianapolis, Ind.**
**Jones Enos F. Chemical Co. (Facings, etc), 51 Jay, New York**
**Keery Thos. Co. (Charcoal Facings), Hancock, N. Y.**
**Kelly T. P. & Co., Inc. ("Kelco," "Ceylon," Plumbago, Black Lead, Prepared Charcoal, etc.), 355 W 26th, New York**

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McKellar's R. Sons Co., Peekskill, N. Y.
Midvale Mining & Mfg. Co., Central Nat'l Bank bldg, St. Louis, Mo. Works: East St. Louis, Ill.
National Supply & Equipment Co., Bulletin bldg, Phila., Pa.
N. Y. Sand & Facing Co. (Facings, Sand, etc), 106 Grand av, Brooklyn, N. Y.
Obermayer S. Co. (Facings, etc.), 2563 W 18th, Chicago, Ill.
**OSBORN MFG. CO.** (Brushes & Supplies), 5401 E Hamilton, Cleveland, O.
*See adv index at end of book*

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Pacific Tool & Supply Co. (Owned by Berger & Carter Co.), (Supplies), Fremont & Mission, San Francisco, Cal.
Paxson J. W. Co. (Facings & Supplies). 1021 N Delaware av, Phila., Pa.
Pettinos Chas. E., 25 Church, New York
Pure Carbon Co. ("Gapho" Facings). Wellsville, N. Y.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga. *See adv index at end of book*
Smith Facing & Supply Co., 1857 Carter rd, Cleveland, O.
Springfield Facing Co. (Facings & General Supplies), Springfield, Mass.
*See adv index at end of book*
Squier Ed. E. Co. (Sand), Federal Reserve Bank bldg, St. Louis, Mo.
Stevens Frederic B. (Facings, Brick, Sand, etc.), 3d & Larned, Detroit, Mich.
*See adv index at end of book*
U. S. Chaplet & Supply Co., 140 Cedar, New York
United States Graphite Co. (Facings), Saginaw, Mich.
Wainwright Jno. C. (Facings Only), Spring City, Pa.
Whitehead Bros. Co. (Facings, etc), 537 W 27th, New York
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

### 4993a—*Foundry Flour Substitute

Hill & Griffith Co. ("Liberty"), 1248 State av, Cincinnati, O., & Birmingham, Ala. *See adv index at end of book*

When writing to firms whose names appear in this book please mention

HENDRICKS' COMMERCIAL REGISTER.

Stevens Frederic B., 3rd & Larned, Detroit, Mich. *See adv index at end of book*

**FREDERIC B. STEVENS**

Manufacturer

*Foundry Facings and Supplies*

*Importer of Plumbago*

Corner Larned and Third Sts.

DETROIT, MICH.

All Telephones Main 2470

### 4994—Foundry Plant Equipments

American Blower Co. (Heating & Ventilating), 1400 Russell, Detroit, Mich.
Bennett & Seeley, Inc., Bridgeport, Conn.
Buckeye Products Co., 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Central Foundry Supply Co. ("Byram"), P. O. Box 945, Columbus, O.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Dopp J. W. & Co. (Dealers), 18 W Columbia, Detroit, Mich.
Hausfeld Co., Harrison, O.
Lincoln Iron Works, Rutland, Vt.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
**NATIONAL ENGINEERING CO.,** 549 Washington blvd, Chicago, Ill.
New Foundry Appliance Co., Hamilton, O.
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Paxson J. W. Co., 1021 Delaware av, Phila., Pa
Penn Foundry & Mfg. Co., Reading, Pa.
Rich Fdry. Equipment Co., 2528 W 48th pl, Chicago, Ill.
Scully Jones & Co., Railway Ex. bldg, Chicago, Ill.
**STERLING WHEELBARROW CO.,** West Allis, Wis. *See adv index at end of book*
Stevens Frederic B., 3d & Larned, Detroit, Mich. *See adv index at end of book*
Superior Sand & Machine Co. (Core Sand Pulverizers), 5150 St. Clair, Cleveland, O.
U. S. Molding Machine Co., 968 E 69th, Cleveland, O.
Walraven Co., The, 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

### 4994a—*Foundry Sand Handling Plants

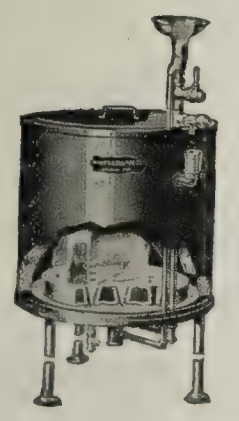
**BARTLETT C. O. & SNOW CO.,** Fall St., Cleveland, O.
*See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill. & Hunting Park av., & P. & R. Ry., Phila, Pa. *See adv index at end of book*

### 4994b— Foundries

**FULTON IRON WORKS CO.,** St. Louis, Mo. *See adv index at end of book*

### 4995— Fountain Pen Mfrs.

Adams, Cushing & Foster ("Moore's"), 168 Devonshire, Boston, Mass.
Akron Fountain Pen Co., Akron, O.
Alkin-Lambert Co. ("Mercantile," "Capitol" Gold), 10 Cortlandt, New York
Autofiller Pen Co., Toledo, O.
Bankers Pen Co., 935 B'way, New York
Barnett Ira, 61 Beekman, New York
Beaumel D. W. & Co., 17 Vandewater, New York
Berk Bros., 543 Broadway, New York.
Boston Fountain Pen Co., 319 Washington, Boston, Mass.
Caw's Pen & Ink Co. (Fountain, Gold, Stylographic. Mfrs of Caw's "Safety" Fountain Pen), 78 Reade, New York
Century Pen Co., Whitewater, Wis.
Conklin Pen Mfg. Co. ("Conklin's," Self-Filling), Toledo, O.
Cross A. T. Pencil Co. (Also Stylographic), 53 Warren, Providence, R. I.
Davidson Rubber Co. ("Sterling" & "Hub"), Boston, Mass.
Diamond Point Pen Co. (Fountain, Gold Stylographic Gold Plated), 44 E 23d, New York
Eagle Pencil Co. (Fountain, Gold, Steel Stylographic), 703 E 13th, New York
Faber Eberhard (Gold, Fountain), 200 Fifth av, New York
Franklin Fountain Pen Co., 51 N 10th, Phila., Pa.
Gem Fountain Pen Corp. ("Gem"), 59 Park pl, New York
Grieshaber Pen Co. (Gold), 118 N State, Chicago, Ill.
Heath Geo. W. & Co., 208 1st, Newark, N. J.
Hillinger R. J. & Co., 10 S Wabash av, Chicago, Ill.
Holland Jno. Gold Pen Co. (Gold), 129 E 4th, Cincinnati, O.
Horn M. T. Co., 114 Park pl, New York
Laughlin Mfg. Co., Fine Arts bldg., Detroit, Mich.
Mabie, Todd & Co. ("Swan" Gold), 17 Maiden la, New York
Modern Pen Co., 170 B'way, N. York
Parker Pen Co., Janesville, Wis.
Salz Bros., 71 W 35th, New York
Sanford & Bennett Co. ("Commercial"), 51 Maiden la, New York
Sheaffer, W. A. Pen Co., Ft. Madison, Ia.



# Glauber "Practicool" Sanitary Refrigerating Fountains

"PRACTICOOL" Drinking Fountain

connect direct to your main water supply. The ice does not float and melt in water. Water from the "PRACTICOOL" bubbler is *ice cooled*, not ice cold and the disease-spreading drinking cup is eliminated—important factors in health protection.

**GLAUBER BRASS MFG. CO.**
CLEVELAND, OHIO

***Largest Manufacturers of Sanitary Drinking Fountains in the World Built in Every Variety and Style of the Very Highest Grade Materials***


Standard & Vulcanite Pen Co. ("Gem" Self-Filling), 752 Lexington av, Brooklyn, N. Y.
Ullrich J. & Co. (Fountain, Stylographic), 27 Thames, New York
Wahl Co., ("Tenpoint"), 1800 Roscoe, Chicago, Ill.
Waterman A. A. & Co., 170 B'way, New York
Waterman L. E. Co. ("Ideal"), 191 B'way, New York
Wayne Specialty Co. ("Gilbert" Stylograhic), Fort. Wayne, Ind.
Welty Wm. A. ("Welty" Self-Filling & No Leak), Waterloo, Ia.
Willard Pen Co., 170 5th av, New York
Williamson Pen Co., Janesville, Wis.
Wirt Paul E., Bloomsburg, Pa.

## 4996—Fountains (Drinking, Sanitary)

See also Fountains, Vases, etc.

Aird-Don (Porcelain), Troy, N. Y.
Allen Filter Co., Toledo, O.
Ashton J. H. & Co. ("Providence," Bubbling), 271 Franklin, Providence, R. I.
Ashton Valve Co. ("Ashton," Bubbling Attached to Sink or Bowl), 161 First, Cambridge, Boston, Mass.
Barrett James Mfg. Co. ("Purity," Self-Closing Bubbling), 117 Pearl, Boston, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cahill Iron Works ("Southern Beauty"), Chattanooga, Tenn.
Camden Pottery Co. (Vitreous China), Camden, N. J.
Casey-Hedges Co., Chattanooga, Tenn.
Chicago Faucet Co. ("Chi-Fau-Co"), 2712 N Crawford av, Chicago, Ill.
Clow Jas. B. & Sons ("A Odamantose" & Hygeia," Self-Closing Bubbling), S Franklin & Harrison, Chicago, Ill.
Crane Co. (Est. 1855) (Porcelain, Porcelain Enameled, Vitreous China, etc.), 836 S Michigan, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
Douglas John Co. (Vitreous China), Carthage, Cincinnati, O.
Du Bois F. N. & Co. (Porcelain), 247 9th av, New York
Ebinger D. A. Sanitary Mfg. Co. (Bubbling), 181 Lucas, Columbus, O.
Federal-Huber Co. (Porcelain), 234 N Halsted, Chicago, Ill.
Fords Porcelain Wks., Perth Amboy, N. J.
Gaylord Sanitary Mfg. Co., El Dorado, Kans.
**GLAUBER BRASS MFG. CO.**, ("Recticool"), 49th & Superior av, Cleveland, O. *See adv index at end of book*
Haines, Jones & Cadbury Co. ("Hajoca" Porcelain Enameled), 1136 Ridge av, Phila., Pa.
Hayes Pump & Planter Co. ("Hayes" Rubber Attachment for Hand Pumps), Galva, Ill.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Jenks H. F. Co., Pawtucket, R. I.
Knott L. E. Apparatus Co. ("Keiths" Boston Bubbler, Automatic Bubbling), 79 Amherst, Cambridge, Mass.
Kohler Co. ("Minnehaha" Porcelain Enameled Iron, Automatic or Continuous Flow), Sheboygan, Wis.
K. & S. Specialty Mfg. & Sales Co., Cleveland, O.
Loeber Hy. G. Co., 151 E 126, New York
McDonald A. Y. Mfg. Co. (Porcelain Vitreous China, etc.), Dubuque, Ia.
Maddock's Thos. Sons Co. ("Maddock's" Vitreous China Bubbling), Trenton, N. J.
Manufacturing Equipment & Engineering Co. ("Meeco," Bubbling), 136 Federal, Framingham, Mass.
March-Tenny Co. ("Natural Spring" Bubbling Attached to Sinks, etc.), Muskegon H'gts, Mich.
Meyer-Sniffen Co. (Porcelain), 11 W 36th, New York
Monument Pottery Co. (Porcelain), Trenton, N. J.
Mott J. L. Iron Works ("Crystal Stream" & "Purita" Self-Closing Bubbling; Porcelain, Porcelain Enameled, Vitreous China, etc.), Trenton, N. J.
Mueller H. Mfg. Co. (Wall & Lavatory), Decatur, Ill.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Myers & Mahoney Plumbing Co. ("Mahoney" Self-Closing Bubbling, Attached to Sink, etc.), Portland, Me.
Nelson N. O. Mfg. Co. ("Nelson" Self-Closing Bubbling, Solid Porcelain, etc.), 10th & Chestnut, St. Louis, Mo.
Peck Bros. & Co. ("P. B" Bubbling), New Haven, Conn
Prier Brass Mfg Co, ("Brady"), Kansas City, Mo
Puro Sanitary Drinking Fountain Co. (Bubbling), Haydenville, Mass.
Resolute Pottery Co (Porcelain), Trenton, N. J.
Rundle-Spence Mfg. Co. ("Rundle-Spence" Solid Porcelain, Self-Closing Bubbling, etc), 63 2nd, Milwaukee, Wis.
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Sanitary Earthenware Specialty Co. (Vitreous China), Trenton, N. J.
Sanitary Fountain & Specialty Co. (Bubbling), 176 Federal, Boston, Mass.
Sanitas Mfg. Co. ("Sanitas" Bubbling, Attached to Sink, etc; also Porcelain, Porcelain Enameled, etc), 105 Washington, Boston, Mass.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith System Heating Co. (Bubble Type), 821 Washington av, S E, Minneapolis, Minn.
Spawn B. A. & Co., 340 Central av, Newark, N. J.
Standard Sanitary Mfg. Co. (Porcelain Enameled), Bessemer bldg, Pittsburgh, Pa.
Taylor Halsey W. Co. ("Puritan"), Warren, O.
Trenger Specialty Co., Trenton, N. J.
Trenton Potteries Co. ("Waldo, Jr." Porcelain & Vitreous China Pedestal, Syphons Automatically), Trenton, N. J.
Walker Mfg. & Supply Co. (Porcelain), Shelby & Woodbridge, Detroit, Mich.
Wheaton A. W. Brass Works (Sanitary Self-Closing Bubbling), 110 Walnut, Newark, N. J.
Wolff Mfg. Co. (Porcelain, Porcelain Enameled, etc), 255 N Hoyne av, Chicago, Ill.

## 4997— Fountains (Poultry)

Baier Bros. Mfg. Co., Cissna Park, Ill.
Dayton Toy & Specialty Co., Dayton, O.
Delphos Mfg. Co. (Galvanized), 1st & Pierce, Delphos, O.
Franklin Galvanized Ware Mfg. Co. ("Handy" "Crum's"), Franklin, Ind.
Indianapolis Corrugating Co., Indianapolis, Ind.
Kentucky Stamping Co. ("Kentucko"), Louisville, Ky.
National Enameling & Stamping Co. ("Nesco"), 411 5th av, New York
Northwestern Stamping Co., Burlington, Ia.
Oakes Mfg. Co. ("Economy," "O. K."), Tipton, Ind.
Pennsylvania Stamping Co., York, Pa.
Reynolds H. B. Mfg. Co., Fredericktown, Ohio
Richmond Water Softener Co., Richmond, Ind.
Weber & Kirch Mfg. Co., Keokuk, Ia.

## 4998—Fountains (Soda Water)

American Mfg. Co., Memphis, Tenn.
American Soda Fountain Co. (Iceless), 282 Congress, Boston, Mass
Atlas Soda Fountains Co., 119 S Jefferson, Chicago, Ill.
Best Mfg. Co., Peoria, Ill.
Bishop & Babcock Co. ("Red Cross"), 1204 E 55th, Cleveland, O.
Chicago Fountain Soda Water Co., 1140 W Harrison, Chicago, Ill.
Chicago Soda Fountain Co., 153 N Jefferson, Chicago, Ill.
Combination Fountain Co., Decatur, Ill.
Decatur Fountain Co., Decatur, Ill.
Federal Brass Works, 3100 S Kedzie, Chicago, Ill.
Fountain Specialty Co. ("Guarantee" Iceless), Grand Haven, Mich.
Green Robt. M. & Sons, 1413 Vine, Phila., Pa.
Knight Light & Soda Fountain Co. ("Knight"), 341 W Chicago av, Chicago, Ill.
Lippincott A. H. & F. H., 24th & Locust, Phila., Pa.
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
Loeber H. G. Co. (Iceless), 151 E 126th, New York
McCahill Soda Fountain Co., 407 W 59, New York
Petigor M. H., 434 Water, New York
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Progressive Mercantile & Mfg. Co., Pana, Ill.
Puffer Mfg. Co., 51 Portland, Boston, Mass.
Russ Co., 5700 Walworth av, Cleveland, O.
Schneible C. A., Esq. (Supplies), 132 E 121st, New York.
Storandt J. W. Mfg. Co., Rochester, N. Y.
Walrus Mfg. Co., Decatur, Ill.
Wise Soda Apparatus Co. ("Wise Brine Iceless"), Bellevue, O.

## 4999— Fountains (Stock)

American Foundry & Mfg. Co. (Horse), 1th & Hebert, St. Louis, Mo.
Bushnell Tank Works, Bushnell, Ill.
Butler Mfg. Co., Kansas City, Mo.
Clarke J. Q. Tank Co., Crawfordsville, Ind.
Dayton-Dowd Co. (Cast Iron), Quincy, Ill.
Frantz Mfg. Co., Sterling, Ill.
Gedge Bros. Iron Roofing Co. (Valveless Automatic), Anderson, Ind.
Gehl Bros. Mfg. Co., West Bend, Wis.
Glor Bros. & Willis Mfg. Co. ("New Modern"), Attica, N. Y.
Helm S. D. Mfg. Co. ("Helm" for Hogs), Crawfordsville, Ind.
Jenks H. F. Co. (Horse), Pawtucket, R. I.
Kretchmer Mfg. Co. (Sanitary), Council Bluffs, Ia.
Loetscher-Ryan Mfg. Co. ("Star" Cast for Hogs), Dubuque, Ia.
McDonald A. Y. Mfg. Co. ("Diamond"), Dubuque, Ia.
Maytag Co. ("Booth," "Hawkeye"), Newton, Ia.
National Mfg. Co. ("Ideal"), Des Moines, Ia.
National Tubular Axle Co. ("National"), Emigsville, Pa.
Novelty Iron Works ("Handy," Automatic), Sterling, Ill.
Quinn Wire & Iron Works ("Daisy"), Boone, Ia.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Walker Mfg. Co. ("Novelty"), Council Bluffs, Ia.
Weldex Co. (Hog), Richmond, Ind.
Western Mfg. Co. ("Iowa," Automatic), Oskaloosa, Ia.

## 5000— Fountains, Vases, Etc.

See also Fountains, Drinking, Sanitary
Badger Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
Barbee Wire & Iron Works, Lafayette, Ind.
Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Carr Jas. W. (Iron Benches & Vases), 7 N 25th, Richmond, Va.
Casey-Hedges Co., Chattanooga, Tenn.
Cheney S. & Son (Vases Only), Manlius, N. Y.
Cincinnati Iron Fence Co. (Flower Vases), 3300 Spring Grove av, Cincinnati, O.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Concord Foundry & Machine Co., Concord, N. H.
Darby Edw. & Sons Co., 412 N 18th, Phila., Pa.
Duisdieker Foundry & Mfg. Co. (Cast Iron), Pekin, Ill.
Eagle Iron Works, 850 De Kalb av, Brooklyn, N. Y.
Enterprise Iron Works, Indianapolis, Ind.
Fiske J. W. Iron Works, 111 Park Pl, New York.
Galloway Terra Cotta Co., 3216 Walnut, Phila., Pa.
Ginther's J. Sons Co., Buffalo, N. Y.
Hall Concrete Products Co., Grassland, Pa.
Hitzeroth Edward, 3124 Market, Phila., Pa.
Illinois Iron & Bolt Co. (Vases, Hitching Posts, etc), Carpentersville, Ill.
Illinois Malleable Iron Co. (Drinking Fountains), 1801 Diversey blvd, Chicago, Ill.
Jones M. D. Co., 73 Portland, Boston, Mass.
Kramer Bros. Foundry Co. (Vases Only), Dayton, O.
McDonald Foundry (Vases, Settees, etc), Columbus, O.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
National Plastic Relief Co., 330 Main, Cincinnati, O.
North Shore Ferneries Co., Beverly, Mass.
Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Southard-Robertson Co. (Cast Iron Lawn Vases), Peekskill, N. Y.
Superior Iron Works Co. (Horse Drinking Fountains), Superior, Wis.
Swett A. L. Iron Works, Medina, N. Y.
Toy W. M. & Co., 10 E Shelby, Sidney, O.
Walbridge & Co., 392 Main, Buffalo, N. Y.

## Founts (Chicken)

See Fountains, Poultry

## 5001— Founts (Lamp)

See also Lamps, Household, Brass
Bradley & Hubbard Mfg. Co. (Metal), Meriden, Conn.
Bridgeport Brass Co. (Metal, Decorated), Bridgeport, Conn.
Consolidated Lamp & Glass Co. (Glass), Corapolis, Pa.
Gillinder & Sons (Glass, Decorated), State & Devereaux, Phila., Pa.
Hammer & Co. (Malleable Iron), Branford, Conn.
Miller Edw. & Co. (Decorated), Meriden, Conn.
Phoenix Glass Co. (Glass), 2d National Bank bldg, Pittsburgh, Pa.
Sneath Glass Co. (Glass), Hartford City, Ind.

## 5002—Frames (Automobile, Pressed Steel)

Detroit Pressed Steel Co. (Presteel"), 1300 Mt. Elliott av, Detroit, Mich.
Driggs-Seabury Ordnance Co. (& Frame Parts), Sharon, Pa.
Electric Auto Sales Corp., Central Park W & 62nd, New York
Hale & Kilburn Co., 18th & Glenwood av, Phila., Pa.
Hydraulic Pressed Steel Co., 3152 E 61st, Cleveland, O.
Parish Mfg. Co. (Alloy Steel Heat Treated & Carbon Steel)), Reading, Pa..
Parish & Bingham Co. (Cold Pressed), Madison av & W 106th, Cleveland, O.
Pettis W. W. Co., 416-417 First Natl. Bank Bldg., Cincinnati, O.
*See adv index at end of book*
Smith A. O. Corp., Milwaukee, Wis.
Star Foundry & Machine Works, Anderson, Ind.

## 5002a—*Frames (Beehive & Honey)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Mason F. C. & Co., St. John's, Mich.

## 5003—Frames (Camp Chair & Stool)

Ransome Concrete Machinery Co., Dunellen, N. J.

## 5004—Frames (Card Drawer)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Penn. Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.

## 5004a— Frames (Coping Saw)

Napier Saw Works Inc., Springfield, Mass.

## 5005— Frames (Crusher)

Stolz Jos. & Son, Inc., 841 E 136th, New York.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.

## 5006—Frames (Galvanizing & Tinning)

Vaughn Machinery Co., (Wire), Cuyahoga Falls, O.
*See adv index at end of book*

## Frames (Hack Saw)

See Saw Blades & Frames, Hack

## 5007-8— Frames (Head)

PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 5009— Frames (Locomotive)

American Steel Foundries, McCormick bldg, Chicago, Ill.
Duquesne Steel Foundry Co., Arrott bldg, Pittsburgh, Pa.
Ohio Steel Foundry Co., Lima, O.
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
Pratt & Letchworth Co., Buffalo, N. Y.
Union Steel Casting Co., Pittsburgh, Pa.

## 5009a—*Frames (Menu Card)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5010—*Frames (Metal Picture)

Acme Novelty Co., 430 N Oakley av, Chicago, Ill.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*

## 5011—*Frames (Mirror, Brass)

Acme Novelty Co., 430 N Oakley av, Chicago, Ill.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*

## 5011a— *Frames (Numeral)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5012—Frames (Open Hearth Furnace Door)

Blaw-Knox Co. ("Knox"), Freeport rd, Hoboken, N. J.
Littleford Bros. (Steel), 444 E Pearl, Cincinnati, O.

## 5013— Frames (Sink)

Korff Mfg. Co. ("Korff" Adjustable), Lansing, Mich.
Swett A. L. Iron Wks. (Steel Laundry Tray), 145 Glenwood av, Medina, N. Y.

## 5014— Frames (Soapmakers')

Hersey Mfg. Co., 314 W. Second, South Boston, Mass.
Honchin-Aiken Co., 113 53d, Brooklyn, N. Y.
Littleford Bros. (Steel), 444 E Pearl, Cincinnati, O.
Nunning Frank & Son, 215 W 2d, Cincinnati, O.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

## 5014a— Frames (Spectacle)

B. B. W. Mfg. Co. (Zylonite), 251 W 19th, New York

## 5014a1—*Frames (Take-up, Wire)

Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

## 5014b—*Frames (Theater Poster)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O. & 68 W Washington, Chicago, Ill. *See adv index at end of book*

## 5014c— Frames (Tractor)

Andrews Heating Co., Minneapolis, Minn.
Parish & Bingham Co., Madison & W 106th, Cleveland, O.

## 5015—Frames (Traveling Bag & Suit Case)

American Steel Frame & Band Iron Co. (Suit Case), 300 Water, New York
Milwaukee Stamping Co., West Allis, Wis.
Neumann R. Hardware Co., 9 St. Francis, Newark, N. J.

## 5016— *Frames (Wire Rod)

Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

## 5017— Frames (Wood Saw)

Cardwell Machine Co. (Tilting Table), 1900 E Cary, Richmond, Va.
**Fairbanks, Morse & Co. (With Arbors), 900 S Wabash av, Chicago, Ill.**
Freeman Mfg. Co. (Wood or Pole), Racine, Wis.

## 5018—Freezers (Brine, Ice Cream)

Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Dairy Machinery & Construction Co. ("Progress"), Derby, Conn.
Miller Pasteurizing Machine Co. ("Miller"), Canton, O.
**Thompson Emery Machine & Supply Co., 235 E 41st, New York**
Tyson Co., Canton, O.

## 5019—Freezers (Ice Cream, Etc.)

Acme Freezer Co. ("Acme"), 1626 Arch, Phila., Pa.
**Alaska Freezer Co. ("Alaska," "North Pole," "North Star"), Winchendon, Mass.**
**Allen J. W. & Co. ("Monarch," Combination), 116 N Peoria, Chicago, Ill.**
Angle Mfg. Co. ("Angle" Tin Pail), 110 W 40th, New York
**Auto Vacuum Freezer Co., 25 W B'way, New York**
**Cardington Cabinet Co. ("Diamond," Triple Motion, "Crystal" Double Motion), Cardington, O.**
**Cincinnati Can Co., 426 Culvert, Cincinnati, O.**
**Consolidated Mfg. Co. (Glass), Hartford, Conn.**
Creamery Package Mfg. Co. ("Fort Atkinson" Disc, Continuous), 61 W Kinzie, Chicago, Ill.
**Dairy Machinery & Construction Co. ("Progress," Brine), Derby, Conn.**
**Dazey Churn Mfg. Co. ("Dazey," Glass Jars), 4301 Warne, St. Louis, Mo.**
**Dewsberry R. A., 1010 W Lake, Chicago, Ill.**
**Emery Thompson Mach. & Supply Co., 235 E 41st, New York**
**Garden City Plating & Mfg. Co. ("Ideal"), 1430 S Talman av, Chicago, Ill.**
**Getz M. & Co., 162 First, San Francisco, Cal.**
Hart, Wm., 34 Catherine, New York.
**Hilbert Machine Co. (Power), 2116 Colerain av, Cincinnati, O.**
**Horizontal Freezer Co. ("New Chicago"), 18 W Kinzie, Chicago, Ill.**
**Lange Henry G., 162 N May, Chicago, Ill.**
**Maag August Co., 509 W Lombard, Baltimore, Md.**
**Miller Pasteurizing Machine Co. ("Miller"), Canton, O.**
**Mills Thomas & Bro. ("Monitor"), 8th & Thompson, Phila., Pa.**
**New England Enameling Co. ("Ideal" Automatic), Middletown, Conn.**
**North Bros. Mfg. Co. ("Shepard's Lightning," "Gem," "Blizzard," "Crown," "Seaman," Power), Lehigh av & American, Phila., Pa.**
**Northwestern Copper & Brass Works, 59 W 3d. St. Paul, Minn.**
Orleans Steel Products Co. Inc., 1021 Bienville, New Orleans, La.
**Peerless Freezer Co., Winchendon, Mass.**
**Richmond Cedar Works ("Snow-Ball," "Steel Frame," "Frost King," "Double Quick"), Fulton, Richmond, Va.**
**Tate Wm. J. (Est. of), 3520 Mercer, Phila., Pa.**
**Thompson Emery Machine & Supply Co. ("Emery Thompson" Brine Freezer) 235 E 41st, New York**
**Treman, King & Co. ("Automatic"), Ithaca, N. Y.**
**Tyson Co., Canton, O.**
**Watkins Jas. Y. & Son (Inc.), 20 Catherine, New York**
**White Mountain Freezer Co. ("White Mountain," "Arctic," "Nashua"), Nashua, N. H.**
**Whitney F. E. Co., 65 Sudbury, Boston, Mass.**

## 5019a—Friction Surfaces (Asbestos)

Dominion Asbestos & Rubber Corp. (For Brakes, Clutches, Cones & Pulleys—"Griptite"), 154 Nassau, New York.
*See adv index at end of book*

## 5020—Friction Surfaces (Cork Insert)

Cork Insert Co. (For Brakes, Clutches & Pulleys), 164 Federal, Boston, Mass.

## 5021—*Frictions (Leather)

Barwood L. J. Mfg. Co. ("Barwood"), 80 Stoneham, Boston, Mass.
*See adv index at end of book*

## 5022— Frictions (Paper)

Dodge Sales & Engineering Co., Mishawaka, Ind.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
**Rockwood Mfg. Co. (also Fibre), Indianapolis, Ind.**

## 5023—Fringes (Silk, Upholstery, Etc.)

Baum C. F. Co., 232 S Franklin, Chicago, Ill.
**Berkshire & Becket Silk Co., Becket, Mass.**
**Colombat Henry & Co., 239 Geary, San Francisco, Cal.**
**Crane Bros., Kingston, Pa.**
Eastlake Mfg. Co., Adams av & Leiper Phila., Pa.
Empire Fringe Co., 909 Faile, New York
Fiedler A. B. & Sons, 305 W Adams, Chicago, Ill.
Grau & Lehmann, 537 W B'way, New York
**Hensel Silk Mfg. Co., 1015 Diamond, Phila., Pa.**
Hirsch G. Sons (Bead Fringes, Spangles, etc), 890 B'way, New York
Horstmann Wm. H. Co., 5th & Cherry, Phila., Pa.
Maguire Wm. G., Camden, N. J.
**Manashaw Chas. C., 131 W 31st, New York**
Mann V., 484 6th av, New York
Mansure E. L. Co., 1601 Indiana av, Chicago, Ill.
Mansure E. L. Co., 1415 North, Phila., Pa.
Oehrle Bros. Co., 427 N 3rd, Phila., Pa.
Olyphant Silk Co., Olyphant, Pa.
Peters Trimming Co., 923 Fulton, Chicago, Ill.
**Phoenix Trimming Co., 2008 N Racine av, Chicago, Ill.**
**Prosnitz Chas., 124 W 24th, New York**
Schlegel Mfg. Co., Rochester, N. Y.
Schwensen Wm. (Est. of), 46 Walker, New York
**Seideman Bros., 121 N 7th, Phila., Pa.**
Seidmann Chas. & Co., 3d & Green, Phila., Pa.
**Shirley & Co., 259 W 54th, New York**
**Unger Wm. & Bro., 496 B'way, New York**
United States Trimming Co., 1410 N 6th, Phila., Pa.
Vogt Mfg. & Coach Lace Co., Rochester, N. Y.
Walliser August, 531 Hermitage, Phila., Pa.
Webendorrer H., 338 E 103d, New York
Weinberg C. & Co., 27 W 23rd, New York
Wright S. D. & Co., 1017 N Front, Phila., Pa.

## 5024— Frogs (Coopers')

**Evansville Tool Works, Evansville, Ind.**
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*

## 5025— Frogs (Cast Iron)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*

**Frogs, Switches, and Switch Stands**
and track work of every description
**AMERICAN FROG AND SWITCH CO.**
Hamilton, Ohio

**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York.
*See adv index at end of book*
Irwin Foundry & Mine Car Co. (& Turnouts for Mine Tracks), Irwin, Pa.
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.

## 5025a— *Frogs (Manganese)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*

**Frogs, Switches, and Switch Stands**
and track work of every description
**AMERICAN FROG AND SWITCH CO.**
Hamilton, Ohio

Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.

## 5026—Frogs (Overhead Trolley)

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Elec. Railway Equipment Co., Cincinnati, Ohio
Fairmont Mining Machy. Co., Fairmont, W. Va.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**MORE-JONES BRASS & METAL CO.**, B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*
Sackett Mine Supply Co., 164 W 3rd, Columbus, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## Frogs (Replacing)
See Replacers, Car

## 5027— Frogs (Spring Rail)

American Frog & Switch Co., Hamilton, Ohio *See adv index at end of book.*
Cincinnati Frog & Switch Co. (Standard & Narrow Gauge Tracks), Cincinnati, O. *See adv index at end of book*

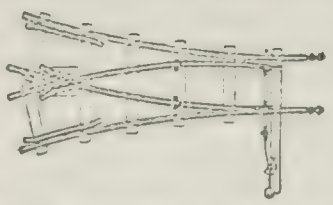
Established 1906
**THE CINCINNATI FROG & SWITCH CO.**
Cincinnati, Ohio

**Cleveland Frog & Crossing Co. ("The Lucas"), 6917 Bessemer av, Cleveland, O.**
**Elliott Frog & Switch Co., 301 S Main, East St. Louis, Ill.**
**Indianapolis Switch & Frog Co., Springfield, O.**
**Morden Frog & Crossing Works ("Vaughn", etc), 208 S La Salle, Chicago, Ill.**
**Ramapo Iron Works ("Ramapo" Manganese Steel, Double, etc), Hillburn, N. Y.**
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.
Weir Frog Co., Cincinnati, O.
**WHARTON WM. J. R. & CO.**, Inc., Easton, Pa.

## 5028—Frogs, Switches & Crossings

Ajax Forge Co., 2503 Blue Island, Chicago, Ill.
**Alexander Crossing Co. (Continuous-Rail, Non-Pounding Crossings), Clinton, Ill.**
American Frog & Switch Co. (Gantry Track, Plantation Track, Mine Track), Hamilton, O.
*See adv index at end of book*
**American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.**
**Atlas Car & Mfg. Co., Cleveland, O.**
*See adv index at end of book*

FROGS, SWITCHES & CROSSINGS—cont.
**Barbour, Stockwell Co. (Street Ry),** Cambridge, Mass.
**Barnum, Richardson Co.,** Lime Rock, Conn.
**Bethlehem Steel Co. ("Manard"), So. Bethlehem, Pa.**
**Buda Co.,** Railway Exch bldg, Chicago, Ill.
**Central Frog & Switch Co.,** Cincinnati, O.
*See adv index at end of book*



**Frogs Switches Switch Stands**
**Industrial Track Etc.**
**The Central Frog & Switch Co.**
**CINCINNATI, OHIO**

**Cincinnati Frog & Switch Co.** (For Standard & Narrow Gauge Tracks), Cincinnati, O. *See adv index at end of book*

Established 1906
**THE CINCINNATI FROG & SWITCH CO.**
Cincinnati, Ohio

**Cleveland Frog & Crossing Co.** (Manganese Steel), 6917 Bessemer av, Cleveland, Ohio
**Conley Frog & Switch Co.** ("Conley"), Memphis, Tenn.
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York.
*See adv index at end of book*
**Egyptian Iron Works** (For Mine Tracks), Murphysboro, Ill.
**Elliott Frog & Switch Co.** (Spring Frogs, Spring Switches & Switch Stands, etc), 301 S Main, E St. Louis, Ill.
**Erwin Mfg. Co., Montgomery bldg, Milwaukee, Wis.**
**FISHEL & MARKS CO.,** ft of Krokow av, Cleveland, O.
*See adv index at end of book*
**Fox Bros. & Co.,** 126 Lafayette, New York
**Frog, Switch & Mfg. Co., Carlisle, Pa.**
**FULLER STEEL & IRON CO.,** Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
**Green L. A. First Natl. Bank bldg, Pittsburgh, Pa.** *See adv index at end of book*
**HUNT C. W. CO.,** West New Brighton, New York
*See adv index at end of book*
**Indianapolis Switch & Frog Co.** ("R-N-R", Manganese Steel Frogs, Crossings, etc), Springfield, O.
**Jordan O. F. Co.** (Manganese Crossings), 333 S Michigan av, Chicago, Ill.
**Kilby Frog & Switch Co., Birmingham, Ala.**
*See adv index at end of book*

**KILBY FROG & SWITCH COMPANY**
Birmingham, Alabama
*Manufacturers of*
Railroad Crossings, Frogs and Switches
Manganese Track Work a Specialty

**Levis Henry & Co.,** Commercial Trust bldg, Phila., Pa. *See adv index at end of book*
**Light Railway Equipment Co.,** 526 Commercial Trust bldg, Phila., Pa.
**Lorain Steel Co.,** Johnstown, Pa.
**Morden Frog & Crossing Works** ("Union"), 208 S La Salle, Chicago, Ill.
**Nelson Iron Works,** 45 Spokane av, Seattle, Wash.
**NEW YORK SWITCH & CROSSING CO.,** Hoboken, N. J.
**O'Leary Arthur J. & Son Co., 65th & So. 57th av, Chicago, Ill.**
**Pettibone, Mulliken & Co.** ("Strom" Clamp Frogs & "Spring Rail" Frogs, etc), 140 S Dearborn, Chicago, Ill.
**Ramapo Iron Works** ("MacPherson" Crossings, Split Switches, Spring & Rigid Frogs, etc), Hillburn, N. Y., & Niagara Falls, N. Y.
**St. Louis Frog & Switch Co.,** Chemical bldg, St. Loius, Mo.
**St. Louis Steel Foundry** (Manganese Steel), Hamburger & Kienlen av, St. Louis, Mo.
**Seattle Frog & Switch Co.,** Seattle, Wash.
**Turl Iron & Car Co. Inc., The,** 50 Broad, New York. Works: Newburgh, N. Y.
**Veithardt Steel & Metal Corp.** (Mill Representatives), 15 Park Row, New York
**Weir Frog Co., Cincinnati, O.**
**WHARTON WM. JR. & CO., INC.** ("Tisco" Manganese Steel & Plain Bolted Solid "Tisco" & "Tisco" Manganese Steel Center Tongue Switches of "H. C. B." & "G. H." designs, Easton, Pa.

## Frogs (Wrecking)
See Replacers, Car

## Fronts (Furnace)
See Boiler Fronts & Castings

## 5029— Fronts (Stone Boat)
**Belcher & Taylor Agricultural Tool Co.,** Chicopee Falls, Mass.
**Cheney S. & Son, Manlius, N. Y.**
**Dutton E Q. & Co., Cato, N. Y.**
**Eddy W. Plow Co., Greenwich, N. Y.**
**Everts Mfg. Co., Meridian, N. Y.**
**Hessen Bros. Co.** (Cast Iron), Tecumseh, Mich.
**Hussey Plow Co., No Berwick, Me.**
**Lyon Iron Works, Greene, N. Y.**
**Munnsville Plow Co., Munnsville, N. Y.**
**Sargent, Osgood & Roundy Co., Randolph, Vt.**

## Fronts (Store)
See Store Fronts—Brass & Bronze

## 5029a— Fronts (Vault)
**Baum J. Safe & Lock Co.,** 617 E Front, Cincinnati, O.
**Hall's Safe Co.** (Bank & Fireproof), P. O. Box 846, Cincinnati, O.
*See adv index at end of book*

## 5030— Frumentum
**United States Frumentum Co., 39 S Chene, Detroit, Mich.**

## 5031— Fuel Economizers
**Anderson Mfg. Co., 1922 Arch Phila, Pa.**
**Atlas Heating & Ventilating Co.** (Jobbers), 72 Freelon, San Francisco, Cal.
**Canady Blaisdell Corp.** ("Canady"), 90 West, New York
**Combusto Devices Corp. ("Combusto"), 250 W 54th, New York**
**Craig Millard Co., Detroit, Mich.**
**Crown Fuel Saver Co., 13 No 10th, Richmond, Ind.**
**Eureka Smokeless Furnace Co.,** 1215 Chamber of Commerce bldg, Chicago, Ill.
**GASKET SUPPLY CO.,** 1927 Ludlow, Phila., Pa. *See adv index at end of book*
**Gastine Co.** (Gasoline), Bridgeton, N. J.
**Green Fuel Economizer Co., Beacon, N. Y.**
**Hardware Specialty Mfg. Co.** (For Hot Air, Hot Water or Steam Furnaces), 810 Montrose av, Chicago, Ill.
**Improved Equipment Co.** (Bench), 60 Wall, New York
**Indiana Fuel Supply Co., Indianapolis, Ind.**
**Otter Mfg. Co., Inc.,** 243 W 17th, New York
**Sturtevant B. F. Co.** ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
*See adv index at end of book*
**Vasil Steam Systems Co., Wash.** Loan & Trust bldg, Washington, D. C.

## 5032—*Fuel Oil Pumping Systems
**Rockwell W. S. Co.,** 50 Church, New York. *See adv index at end of book*

## 5033—Fuel Oil & Gas Burning Appliances
See also Burners, Fuel Oil
**Anthony Co.,** 9 Jackson av, Long Island City, N. Y.
**FLINN & DREFFEIN CO.,** 431 S Dearborn, Chicago, Ill. *See adv index at end of book*
**Gilbert & Barker Mfg. Co.** ("Gilbert & Barker"), Springfield, Mass.
**Johnson S. T. Co.** ("Johnson's" Liquid Fuel, Oil Low Pressure Air System), 1334 Mission, San Francisco, Cal.
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**MacLeod Co., 2227 Bogen, Cincinnati, O.**
*See adv index at end of book*
**Metals Production Equipment Co., Springfield, Mass.**
**Mirc's Fuel-Oil Equipment Co.** (Oil Only), Lancaster, Pa.
**National Supply Co.** ("Billow" System), 416 W Grand av, Chicago, Ill.
**Oil Well Supply Co.,** 215 Water, Pittsburgh, Pa.
**ROCKWELL W. S. & CO.,** 50 Church, New York *See adv index at end of book*
**Tate-Jones & Co.** (& Gas), Empire bldg, Pittsburgh, Pa.

## Fuller Board
See Press Board

## 5034— Fullers Earth
**Balfour Guthrie & Co.,** 350 California, San Francisco, Cal.
**CHRYSTAL CHAS. B. (English Imp), 13 Cliff, New York**
*See adv index at end of book*
**Davidson Commission Co.,** 140 W Van Buren, Chicago, Ill.
**Doggett Stanley,** 11 Cliff, New York
**Floridin Co.** ("Floridin"), Warren, Pa.
**Fuerst Bros. & Co.** (Imported), 2 Stone, New York
**Fuller Ralph L. & Co., Inc.,** 81 Fulton, New York
**Hamill & Gillespie** (Imported), 240 Front, New York
**Harshaw, Fuller & Goodwin Co.,** Elec. bldg, Cleveland, O.
**Hillier's R. Son Co.** (Powdered), 100 William, New York
**Lester Clay Co., Jacksonville, Fla.**
**Manater Fuller's Earth Corp.,** 141 B'way, New York
**National Sales Co.** (Imp.), 31 E 13th, Cincinnati, O.
**New England Quartz Co. of N. Y.,** 150 Nassau, New York
**Refiners' Engng. & Supply Co.,** 39 S La Salle, Chicago, Ill.
**Salomon L. A. & Bro.** (Imported), 216 Pearl, New York
**Whittaker, Clark & Daniels, Inc.** (Jobbers), 250 Front, New York

## 5035—Fullers (Top & Bottom)
**Champion Tool Co., Meadville, Pa.**
**Evansville Tool Works, Evansville, Ind.**
**Fischer & Hayes Rope & Steel Co.,** 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Heller Bros. Co.,** 879 Mt. Prospect av, Newark, N. J.

**Vaughan & Bushnell Mfg. Co.** ("V. & B.") 2114 Carroll av, Chicago, Ill.
**Stanley Rule & Level Co.** (Atha Division), New Britain, Conn.

## 5035a — Fumigating Systems for Ships
**Schutte & Koerting Co.,** 1251 N 12th, Phila., Pa.

## 5036— Fumigators
**Central City Chemical Co.** ("Forma-Germkill"), 4250 Crawford av, Chicago, Ill.
**Devine J. P. Co., Buffalo, N. Y.**
**Thompson F. A. & Co.** ("Tumoth"), 532 Thrombley av, Detroit, Mich.
**Wotherspoon Jas. R.** ("Eureka," "Perfection"), 238 N Front, Phila., Pa.

## 5036a— Funnels (Copper)
**Detroit Heating & Lighting Co., Detroit, Mich.**
**Roos Chas. A.,** 429 E 91st, New York

## 5037—Funnels (Family, Grocers, Etc.)
**Cassady Fairbanks Mfg. Co.** (Fruit, etc, Aluminum), 6126 La Salle, Chicago, Ill.

Central Stamping Co. ("Puritan," "Sterling"), 172 Fulton, New York
Fargo E. A. Co. (Aluminum), Taunton, Mass.
National Enameling & Stamping Co., 411 5th av, New York
Ray Geo. A. Mfg. Co. (Copper, Measuring, Valve, etc), Buffalo, N. Y.

## 5038—*Funnels for Injector & Oil Overflow

**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 5039— Funnels (Gasoline)

Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Boyle Mfg. Co., 5700 Santa Fe av, Los Angeles, Cal.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Hoaglin F. L. ("No-Spill"), Waupaca, Wis.
Iddings Co. ("Auto"), Warren, Ohio
Knapp Mfg. Co., 48 Warren, New York
Kraft A. C. ("Hurlup" & Oyl-Ryt"), 323 W Lake, Chicago, Ill.
National Marine Lamp Co., Forestville, Conn.
No-Shammy Product Co., 5710 Hough av, Cleveland, O.
Sigley Wm. H., Sylvan Grove, Kans.

## 5039a— Funnels (Glass)

Eimer & Amend, 205 3rd av, New York
Macbeth-Evans Glass Co., Pittsburgh, Pa.
Scientific Utilities Co. Inc., 18 E 16th, New York

## 5040—Funnels (Nitre Charging)

Pratt Engineering & Machine Co., Atlanta, Ga.

## 5041—*Funnels (Porcelain)

Ohio Pottery Co., Zanesville, Ohio.

## 5041a— Funnels (Separating)

Central Scientific Co., 460 E Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend, 205 3rd av, New York
Empire Laboratory Supply Co., Inc., 405 Lexington av, New York
Scientific Utilities Co., 18 E 16th, New York

## 5041b— Funnels (Stoneware)

General Ceramics Co., 50 Church, New York
Knight-Maurice A., Akron, O.

## 5042—Furnace Doors & Grates

Acer & Whedon, Medina, N. Y.
Bell C. S. Co., Hillsboro, O.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Cook Cane Mill & Evaporator Co., 200 2nd, St. Louis, Mo.
Golden's Foundry & Machine Co., Columbus, Ga.
Southern Plow Co., Columbus, Ga.

## 5043—Furnace Pipe & Fittings

Chicago Furnace Supply Co., 549 W Monroe, Chicago, Ill.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Eclipse Metal Mfg. Co. (Galvanized Elbows), Eden, N. Y.
Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.
Fow Mfg. Co. (Adjustable Elbows, etc), 233 N 2d, Phila., Pa.
Gammeter W. F., Cadiz, O.
Hill James Mfg. Co., 52 Westfield, Providence, R. I.
Howes S. M. Co., 42 Union, Boston, Mass.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Meyer F. & Bro. Co. ("Improved Handy"), Peoria, Ill.
Michigan Safety Furnace Pipe Co., 113 Fort E, Detroit, Mich.
Newark Steel & Iron Works, 12 Mercer, Newark, N. J.
Perfection Furnace Pipe Co., Toledo, O.
Pittsburgh Valve, Foundry & Construction Co. (Blast Furnace, etc), 26th & A. V. R. R., Pittsburgh, Pa.
Republic Metalware Co., Buffalo, N. Y.
Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.
Safety Furnace Pipe Co., 1212 Second av, Detroit, Mich.
Steele Wilbur S. Co. ("Peerless"), Hartford, Conn.
XXth Century Heating & Ventilating Co., Akron, O.
United States Register Co., Ltd., Battle Creek, Mich.
Waverly Heating & Supply Co. ("Vulcan"), 52 Union, Boston, Mass.
Williamson Heater Co., 339 W 5th, Cincinnati, O.
Wright Mfg. Co., New Haven, Conn.

## 5044—Furnaces (Agricultural)

Donaldson Bros., Mount Clemens, Mich.
Lehr Agricultural Co., Fremont, O.

## 5045—Furnaces (Aluminum Melting)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**DETROIT FURNACE CO.**, 642 Book Bldg, Detroit, Mich.
*See adv index at end of book*
Foundry Equipment Co., 1833 Columbus rd, Cleveland, O.
Hausfeld Co., Harrison, Ohio
Holcroft & Co., Book bldg, Detroit, Mich.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen, Cinn., O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Strong, Carlisle & Hammond Co. (S-C-H") 336 Frankfort av N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.
U. S. Smelting Furnace Co., Belleville, Ill.

## 5045a—Furnaces (Angle Heating)

MacLeod Co., 2227 Bogen, Cinn., O.
*See adv index at end of book*
**ROCKWELL W. S. CO.**, 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 366 Gerard, New York.

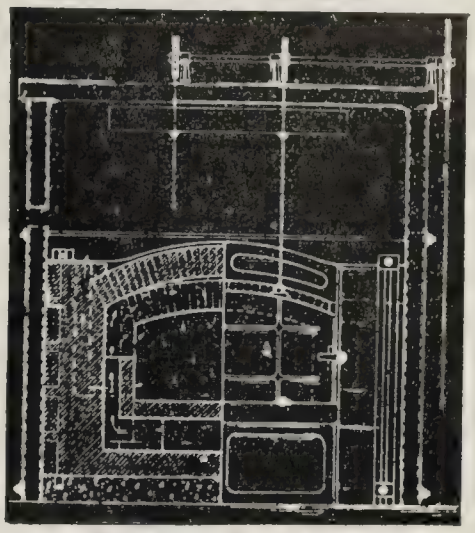
## 5046—Furnaces (Annealing & Case Hardening)

See also Furnaces, Fuel Oil Burning; also Furnaces, Gas Blast

American Equipment Co., Norristown, Pa.
American Gas Furnace Co. (Gas), 24 John, New York
**ANTHONY CO.**, .9 Jackson av, Long Island City, N. Y.
Bates Machine Co. (Annealing), Joliet, Ill.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Bellevue Industrial Furnace Co., 703 Bellevue av, Detroit, Mich.
Bidle W. S. Co., 1411 E 45th, Cleveland, O.
Brown & Sharpe Mfg. Co., Providence, R. I.
**CHICAGO FLEXIBLE SHAFT CO.**, 5600 Roosevelt rd, Chicago, Ill.
**DEMPSEY H. B. FURNACE CO.**, Postal Telegraph bldg, New York
*See adv index at end of book*

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

HEAT TREATING FURNACES



OIL, GAS or COAL FIRED
H. B. Dempsey Furnace Co.
Postal Telegraph Bldg. N. Y.

Despatch Mfg. Co. (Electric Ovens), 120 1st av N, Minneapolis, Minn.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Economy Furnace Co., Chicopee, Mass.
Ferguson Furnace Co., Toledo, Ohio.
**FLINN & DREFFEIN CO.**, 431 S Dearborn, Chicago, Ill. *See adv index at end of book*
General Combustion Co., Monadnock bldg, Chicago, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Holcroft & Co., Book bldg, Detroit, Mich.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Industrial Furnace Corp., 10 Post O sq., Boston, Mass.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Laughlin Alex. & Co., Pittsburgh, Pa.
Lindsay W. W. & Co. Inc., Harrison Bldg., Phila, Pa.
Mackenzie's Duncan Sons Co., Trenton, N. J.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Mahr Mfg. Bo., 1300 N E. Quincy, Mass.
Metals Production Equipment Co., Springfield, Mass.
Miller W. R. Co., House bldg, Pittsburgh, Pa.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
North American Mfg. Co. (Hardening), 5902 Carnegie av, Cleveland, Ohio
Railway Materials Co. (For Boiler Shop. Oil as Fuel), Railway Exchange bldg, Chicago, Ill.
**ROCKWELL W. S. CO.** (Stationary & Rotary Types), 50 Church, New York.
*See adv index at end of book*
Strong, Carlisle & Hammond Co ("S-C-H"), 336 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.
Swindell Wm. & Bro. (Inc.), Jenkins Arcade bldg, Pittsburgh, Pa.
Tate-Jones & Co. (Large & Small, Accurate Temperature, Easy Control), Empire bldg, Pittsburgh, Pa.
Tomkins Alfred Co., House bldg, Pittsburgh, Pa
Vaughn Machinery Co. (Die, Lead, Muffle & Pot Annealing Furnaces), Cuyahoga Falls, O.
*See adv index at end of book*
Wisconsin Foundry & Machine Co., Madison, Wis.

## Furnaces (Asphalt, Pitch & Tar)

See Heaters, Asphalt, Pitch & Tar

## 5047—Furnaces (Assayers' & Bullion)

**American Gas Furnace Co., 24 John, New York**
**Berge J. & H. ("Hibbs" Improved), 95 John, New York**
Braun Corporation, 363 New High, Los Angeles, Cal.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
**Calkins Co., Los Angeles, Cal.**
**Denver Fire Clay Co. ("Case"), Denver, Colo.**
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
**MacLeod Co., 2227 Bogen, Cincinnati, O.**
*See adv index at end of book*
**Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.**
**Rockwell W. S. & Co., 50 Church, New York.** *See adv index at end of book*

## 5047a— Furnaces (Automatic)

Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen Cincinnati, O.
*See adv index at end of book*
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Surface Combustion Co. (Bolt), 366 Gerard av, New York.

## 5048—Furnaces (Babbitt Melting)

See also Furnaces, Gas Blast

American Gas Furnace Co. (Gas), 24 John, New York,
Anthony Co., 9 Jackson av, Long Island City, N. Y.
Buckeye Products Co., 919-929 W 5th Cincinnati, O. *See adv index at end of book*
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
Davis Machine Tool Co. ("Vesuvius"), Rochester, N. Y.
Globe Gas Light Co. ("Barthel" Kerosene), 25 Union, Boston, Mass.
Hansfeld Co., Harrison, Ohio.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Leddell Metals Co. ("Bee" Anti-Friction, Portable), 281 Borden av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Mahr Mfg. Co., 1300 N E. Quincy, Minneapolis, Minn.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Ryerson Jos T. & Son, 910 Corn Exc. bldg, 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.

## 5049-50—Furnaces (Bagasse)

Babcock & Wilcox Co., 85 Liberty, New York
Casey-Hedges Co., Chattanooga, Tenn.
Chattanooga Plow Co., Chattanooga, Tenn.
Coldwell-Wilcox Co., Newburgh, N. Y.
**Fisher Bagasse Furnace Co., Ltd., New Orleans, La.**
**HAUBTMAN & LOEB CO. LTD.,** 618 Magazine, New Orleans, La.
*See adv index at end of book*
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.

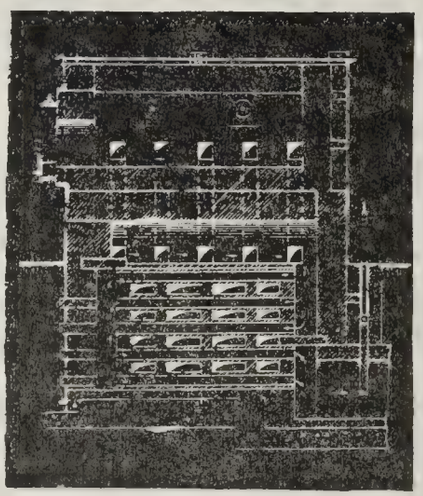
## 5051—Furnaces (Barium Chloride)

**American Gas Furnace Co., 24 John, New York**
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Fisher Bagasse Furnace Co., Ltd., New Orleans, La.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Strong, Carlisle & Hammond Co., ("S-C-H" Barium Chloride & Cyanide Hardening), 336 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5052—Furnaces (Billet Heating)

Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
Anthony Co., 9 Jackson av, Long Island City, N Y.
Best W. N. Inc. ("Calorex"), 11 B'way, New York
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*


**FORGE FURNACES**



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Hauck Mfg. Co., 101 11th, Brooklyn, N Y
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
Lindsay W W & Co. Inc., Harrison Bldg., Philadelphia, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
Naismith Geo. & Son., 6312 Butler, Pittsburgh, Pa.
**ROCKWELL W. S. CO.** (Oil, Coal or Gas), 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh, Pa.
Tate-Jones & Co. Empire bldg, Pittsburgh, Pa.

## 5052a—Furnaces (Boiler Shop,

American Fdry & Furnace Co., Bloomington, Ill.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
Dodge August W., Springfield, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5052b—Furnaces (Bolt Heading)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
**Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.**

## 5052c— Furnaces (Brass Annealing)

**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
**ELECTRIC FURNACE CO.,** (The), Alliance, O. *See adv index at end of book*
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
**Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.**

## 5053—Furnaces (Brass & Copper Melting)

See also Furnaces, Gas Blast

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Barnett Oscar Foundry Co., Irvington, N. J.
Best W. N., Inc. ("Calorex"), 11 B'way, New York
Brass Founders' Supply Co., Wilson av, Newark, N. J.
**BUCKEYE PRODUCTS CO.,** 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Central Foundry Supply Co., P. O. Box 945, Columbus, O.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
**DETROIT ELEC. FURNACE CO.,** 642 Book bldg, Detroit, Mich.
**ELECTRIC FURNACE CO.,** (The), Alliance, O. *See adv index at end of book*


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For Melting Non-Ferrous Metals
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Alliance, Ohio


Foundry Equipment Co., 1833 Columbus rd, Cleveland, O.

Hausfeld Co., Harrison, O.
Hauck Mfg. Co., 101 11th, B'klyn, N. Y.
Hawley Down Draft Furnace Co. "Hawley Schwartz"), Easton, Pa.
Holcroft & Co., Book bldg, Detroit, Mich.
Ideal Furnace Co., Chester, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Monarch-Rockwell," "Steele-Harvey," "Simplex" & "Monarch"), American bldg, Baltimore, Md.
Pittsburgh Electric Furnace Co., Vanadium bldg, Pittsburgh, Pa.
**ROCKWELL W. S. CO.** (Tilting & Stationary Crucible Types; also Reverberatory), 50 Church, New York *See adv index at end of book*
Stevens Frederic B., 3d & Larned, Detroit, Mich. *See adv index at end of book*
Strong, Carlisle & Hammond Co., ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.
U. S. Smelting Co., Belleville, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Wise J. B., Inc. ("M-R-V" Tilting Crucible), Watertown, N. Y.
Woodison E. J Co., 1621 St. Aubin, Detroit, Mich.

## 5054— Furnaces (Brazing)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
**FLINN & DREFFEIN CO.** (Gas & Oil), 431 S Dearborn, Chicago, Ill. *See adv index at end of book*
Grabo E. O. Machine Works, 180 Centre, New York
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
Improved Appliance Co., 413 Kent av, B'klyn. N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co. (Wire, Tube, Metals, etc), 50 Church, New York *See adv index at end of book*
Strong, Carlisle Hammond & Co., ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Turner Brass Works (Gasoline & Kerosene), Sycamore, Ill.

## 5054a—Furnaces (Bright Annealing)

**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*

## 5054— Furnaces (Bulldozer)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5055— Furnaces (Butchers')

Meek Oven Co. (For Lard Rendering, Boiling Meats, etc), Newburyport, Mass.

## 5055a—Furnaces (Carbonizing)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York *See adv index at end of book*
Ferguson Furnace Co., Toledo, Ohio.
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 366 Gerard av, av, New York.

## 5055b—*Furnaces (Cartridge Case Annealing)

**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York *See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## Furnaces (Case Hardening)

See Furnaces, Annealing & Case Hardening

## 5055c—Furnaces (Chain Welding

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Mac Leod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Surface Combustion Co., 368 Gerard av. New York.
Tate-Jones & Co., Empire bldg Pittsburgh, Pa.

## 5056— Furnaces (Charcoal)

Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.

## 5056a—Furnaces (Cold Rolled Strip Annealing)

**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York *See adv index at end of book*
Mac Leod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5056b—Furnaces (Combination Coal & Oil)

**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York *See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5057—Furnaces (Combination Gas & Oil)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Hausfeld Co., Harrison, O.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York. *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.

## 5058—Furnaces (Confectioners' Gas)

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Bibb B. C. Stove Co. ("Favorite"), 109 Light, Baltimore, Md.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Blast), 100 Forbes, Rockford, Ill.
Fuller-Warren Co. ("Stewart" Gas Blast), 32nd & Wright, Milwaukee, Wis.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Katzinger Edw. Co. ("Ecko," "Giant"), 122 N Peoria, Chicago, Ill.

## 5058a— Furnaces (Continuous)

**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York *See adv index at end of book*
Ferguson Furnace Co., Toledo, Ohio.
Mac Leod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Surface Combustion Co. (Bolt), 366 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5059— Furnaces (Copper)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Denver Engineering Works Co., Denver, Colo.
**ELECTRIC FURNACE CO.,** (The), Alliance, O. *See adv index at end of book*
Industrial Furnace Corp. (Heat Treating), 10 Post Office sq, Boston, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Pittsburgh Electric Furnace Co., Vanadium bldg, Pittsburgh, Pa.
Reeves Bros Co., The, Alliance, Ohio. *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Treadwell Construction Co., Midland, Pa.

## 5060—Furnaces (Copper Matting)

Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York *See adv index at end of book*
Traylor Engng. & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## Furnaces (Core Baking)

See Ovens, Core Baking

## 5061— Furnaces (Corrugated)

**AMERICAN SPIRAL PIPE WORKS** (for Land & Marine Boilers), Chicago, Ill. *See adv index at end of book*
Continental Iron Works ("Morison" Suspension & "Fox" Corrugated for Land & Marine Boilers), West & Calyer, Brooklyn, N. Y.

## 5062— Furnaces (Crucible)

See also Furnaces, Melting

American Gas Furnace Co., 24 John, New York
Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
**ANTHONY CO.** (Fuel Oil), 9 Jackson av, Long Island City, N. Y.
Best W. N. Inc. ("Calorex"), 11 B'way, New York
Braun Corporation, 363 New High, Los Angeles, Cal.
Braun-Knecht-Heimann Co. (Gas & Gasoline), 576-584 Mission, San Francisco, Cal.
**BUCKEYE PRODUCTS CO.,** 919-929 W 5th, Cincinnati, O. *See adv index at end of book*
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
Denver Fire Clay Co. ("Donaldson" Tiling for Melting & Refining), Denver, Colo.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Engelhard Chas. ("Engelhard" for laboratories) (Selling agent), 30 Church, New York
Fisher Alfred (Fuel Oil), 762 W Adams, Chicago, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hoskins Mfg. Co. ("Hoskins" Electric), 453 Lawton, Detroit, Mich.
Ideal Furnace Co. (Coke Fired), Chester, Pa.
Iler Foundry & Mfg. Co., 6605 St. Clair, Cleveland, O.
Kroeschell Bros. Co. ("Kroeschell-Schwartz" Gyrating Flame for Non-Ferrous Metals), 440 W Erie, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell," Tilting Melting), American bldg, Baltimore, Md.
Naismith Geo. & Son (Steel), 6312 Butler, Pittsburgh, Pa.
Rockwell W. S. Co. ("Rockwell," Single & Double Chamber Tilting & Stationary), 50 Church, New York *See adv index at end of book*
Smythe S. R Co., House bldg, Pittsburgh, Pa.

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Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh, Pa.
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

### 5063— Furnaces (Cupelling)

Colorado Iron Works Co., Denver, Colo.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Traylor Eng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

### 5064— *Furnaces (Cupola)

**NORTHERN ENGINEERING WORKS** ("The Newten"), 9 Chene, Detroit, Mich. *See adv index at end of book*

### 5065—Furnaces (Cyanide Hardening)

**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd, Chicago, Ill.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.

### 5066— Furnaces (Dental)

Caulkins H. J. & Co., State & Griswald, Detroit, Mich.

### 5067— Furnaces (Electric)

**Acheson Graphite Co. (Small for High Temperature), Niagara Falls, N. Y.**
Ajax Electrothermic Corp, Trenton, N. J.
Baris Metal Corp. ("Basic"), 167 W 18, New York
Braun-Knecht-Heimann Co., (Combustion Tube), 576-584 Mission, San Francisco, Cal.
Buckeye Products Co., The (For Steel & Brass), 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Central Scientific Co. (Laboratory), 460 E Ohio, Chicago, Ill.
Crowley John A. Co. ("Gronwall"), 120 Liberty, New York
Daigger A. & Co. (Laboratory), 54 W Kinzie, Chicago, Ill.
Davis Norris K. Machine Wks, 400 7th, San Francisco, Cal.
Denver Fire-Clay Co. (Laboratory), Denver, Colo.
**DETROIT ELECTRIC FURNACE CO.** ("Detroit" Racking for Non-Ferrous Metals), Book Bldg, Detroit, Mich.
Eimer & Amend ("E. & A.," "Multiple Unit," "Moissan," "Hoskins" Laboratory), 205 3d av, New York
**ELECTRIC FURNACE CO.** (Metal Melting & Heat Treating), Alliance, O.
*See adv index at end of book*
Elec. Furnace Constr. Co. ("Greaves-Etchells" System), Finance bldg, Phila, Pa.
Electric Heating Apparatus Co. (Laboratory), 121 Sussex av, Newark, N. J.
Engelhard Chas., "Engelhard" for Laboratory X Experimental Purposes), Selling agent, 30 Church, New York
**GENERAL ELECTRIC CO.** (Laboratory), Heat Treating & Soldering Iron, Schenectady, N. Y.
*See adv index at end of book*
Hamilton & Hansell ("Rennerfelt"), 13 Park Row, New York
**HANOVIA CHEMICAL MANUFACTURING CO.** (For Laboratory Use), 100 Chestnut, Newark, N. J.
Hoskins Mfg. Co. ("Hoskins," for Hardening Carbon Steel, Laboratory, etc), 453 Lawton, Detroit, Mich.
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
International Instrument Co., Cambridge, Mass.
Knott L. E. Apparatus Co. (For Experimental Purposes), 79 Amherst, Cambridge, Mass.
**LEAVITT C. W. & CO.** ("Girod" for Steel Work), 34 Church, New York
*See adv index at end of book*
Ludlum Elec. Furnace Corp., Steel, Watervliet, New York.
Pittsburgh Electric Furnace Co. (For Non-Ferrous Metals), Vanadium bldg, Pittsburgh, Pa.
Sargent E. H. & Co. (For Laboratory), 150 E Superior, Chicago, Ill.
Snyder Co. (Steel Refining), 53 W Jackson blvd, Chicago, Ill.
Stupakoff S. H. (For Experimental Work), 6639 Hamilton av, Pittsburgh, Pa.
Thomas Arthur H. Co. (For Laboratory), W Washington sq, Phila., Pa.
Vom Baur C. H., 233 B'way, New York
**WEBB ELECTRIC FURNACE CORP.,** 42 Church, New York
*See adv index at end of book*
Wile Electric Furnace Co., Jenkins Arcade, Pittsburgh, Pa.


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## 5068—*Furnaces (Electric Hardening)

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*

## Furnaces (Electricians')

See Furnaces, Gasoline Blast

## 5069— Furnaces (Enameling)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.

## 5070—*Furnaces (Enameling, Muffle)

Rockwell W. S. Co. (With or without Muffle), 50 Church, New York *See adv index at end of book*

## Furnaces (Evaporator)

See Evaporators

## 5071—Furnaces (Fagot Heating)

Improved Appliance Co., 413 Kent av B'klyn. N. Y.
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5071a— Furnaces (Flanging)

**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York *See adv index at end of book*
Ferguson Furnace Co., Toledo, Ohio.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Surface Combustion Co. (Bolt), 366 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5072—Furnaces (Flue Welding)

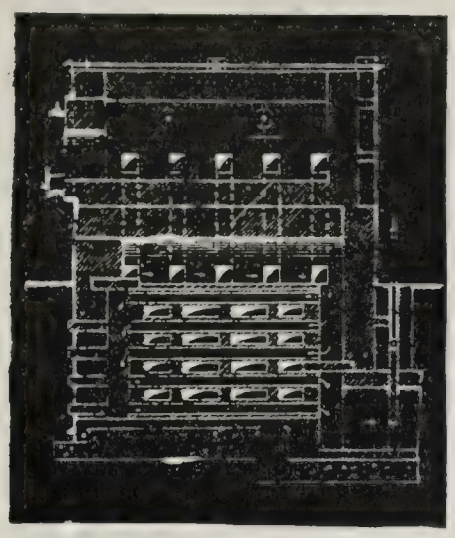
See also Flue Welding Machines

Anthony Co., 9 Jackson av., Long Island City, N. Y.
Ferguson Furnace Co., Toledo, O.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Railway Materials Co. ("Ferguson" Oil as Fuel), Railway Exch. bldg, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Strong, Carlisle & Hammond Co. ("S-C-H"), 366-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5073—Furnaces (Forging, Etc.)

American Equipment Co., Norristown, Pa.
Anthony Co., 9 Jackson av., Long City, N. Y.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Bellevue Furnace Co., 703 Bellevue av, Detroit, Mich.
Best W. N., Inc. ("Calorex"), 11 B'way, New York
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd, Chicago, Ill.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York *See adv index at end of book*


FORGE FURNACES



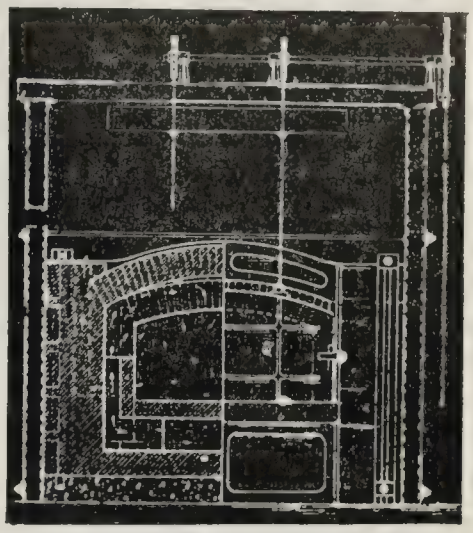
WITH RECUPERATORS
RECLAIM REAL MONEY
H. B. Dempsey Furnace Co.
Postal Telegraph Bldg. N. Y.


Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Ferguson Furnace Co., Toledo, Ohio.
**FLINN & DREFFEIN CO.** (Gas & Oil), 431 S Dearborn, Chicago, Ill. *See adv index at end of book*
General Combustion Co., Monadnock bldg, Chicago, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hauck Mfg. Co., 101 11th, Brooklyn, New York
Lindsay W W & Co. Inc., Harrison Bldg., Philadelphia, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.
Metals Production Equipment Co., Springfield, Mass.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Naismith Geo. & Son., 6312 Butler, Pittsburgh, Pa.
Railway Materials Co. ("Ferguson," Oil as Fuel), Railway Exchange bldg, Chicago, Ill.
**ROCKWELL W. S. CO.** (Preheater Type), 50 Church, New York *See adv index at end of book*
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Union Drop Forge Co. (Also Crucible), 358 W Grand av, Chicago, Ill.
U. S. Gas Furnace Co. (Gas, Blast), 46 Clifford, Providence, R. I.
Westmacott Gas Furnace Co. (Gas, Blast), 159 Orange, Providence, R. I.

## 5074—Furnaces (Fuel Oil Burning)

American Equipment Co., Norristown, Pa.
Anthony Co., 9 Jackson av, Long Island City, N. Y.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Bellevue Furnace Co., 703 Bellevue av, Detroit, Mich.
Buckeye Products Co., 919-929 W 5th, Cincinnati, O. *See adv index at end of book*
Burns Hydro Carbon Burner Co., Ft. Plain, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd, Chicago, Ill.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York *See adv index at end of book*


HEAT TREATING FURNACES



OIL, GAS or COAL FIRED
H. B. Dempsey Furnace Co.
Postal Telegraph Bldg. N. Y.


Denver Fire Clay Co. ("Case"), Denver, Colo.
Economy Furnace Co., Chicopee, Mass.
Ferguson Furnace Co., Toledo, Ohio.
Fisher Alfred, 762 Adams, Chicago, Ill.
**FLINN & DREFFEIN CO.,** 431 S Dearborn, Chicago, Ill. *See adv index at end of book*
General Oil Furnace Corp., 233 B'way, New York
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hausfeld Co., Harrison, O.
Hauck Mfg. Co., 101 11th, B'klyn, New York
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
Ingersoll-Rand Co. ("Leyner"), 11 B'way, New York *See adv index at end of book*
Lindsay W W & Co. Inc., Harrison Bldg., Philadelphia, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Metals Production Equipment Co., Springfield, Mass.
Mirc's Fuel-Oil Equipment Co. ("Mircs"), Lancaster, Pa.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

## 5075—Furnaces (Galvanizing)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.

## 5076— Furnaces (Gas)

Abrams-Orton Mfg. Co., Wadsworth, O.
Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
**ANTHONY CO.,** 9 Jackson av, Long Island City, N. Y.
Atlas Laboratory Equipment Bureau, 7313 Wells, Chicago, Ill. *See adv index at end of book*

FURNACES (GAS)—continued

**Bellevue Furnace Co., 703 Bellevue av, Detroit, Mich.**
Boston Stove Fdry. Co., 210 Border, Boston, Mass.
Braun-Knecht-Heimann Co. (Crucible, Melting & Muffle), 576-584 Mission, San Francisco, Cal.
**BUCKEYE PRODUCTS CO.,** 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Calkins & Pearce ("Rex"), 251 E Long Columbus, O.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd, Chicago, Ill.
Christie, B. B., Dayton, O.
Columbus Heating & Ventilating Co. ("Columbus"), Columbus, O.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
**Denver Fire Clay Co. ("Case"), Denver, Colo.**
Economy Furnace Co. Chicopee, Mass.
Gass Appliance Co., The, 713 Frankfort av, Cleveland, O.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
**Guardian Gas Appliance Co., 3409 Superior, Cleveland, O.**
Hausfeld Co., Harrison, O.
Holcroft & Co., Book bldg, Detroit, Mich
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
**Koven L. O. & Bro., 154 Ogden Av, Jersey City, N. J.** *See adv index at end of book*
**Learn & Brindle Sheet Metal Works ("Knoderer"), Columbus, O.**
**MacLeod Co., 2227 Bogen, Cincinnati, O.**
*See adv index at end of book*
Manchester C. B. Gas Furnace Co., 60 Friendship, Providence, R. I.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
**Metals Production Equipment Co., Springfield, Mass.**
**Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg,** Baltimore, Md.
Nat'l Gas Furnace Co., 9 Codding, Providence, R. I.
Oliver Oil-Gas Burner & Mach. Co., 1313 N 7th, St. Louis, Mo.
**Rockwell W. S. Co., 50 Church, New York**
*See adv index at end of book*
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av, N W. Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.
**Tate-Jones & Co. ("Kirkwood"), Empire bldg, Pittsburgh, Pa.**

## 5077— Furnaces (Gas Blast)

**American Gas Furnace Co., 24 John, New York**
Anthony Co., 9 Jackson av, Long Island City, N. Y.
Buckeye Products Co., 919-929 W 5th, Cincinnati, O. *See adv index at end of book*
Chicago Flexible Shaft Co. ("Stewart"), 5600 W 12th, Chicago, Ill.
Garrison Brass & Machine Wks., 107 W 13th, New York.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
**Metals Production Equipment Co., Springfield, Mass.**
**Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg,** Baltimore, Md.
**Rockwell W. S. Co., 50 Church, New York**
*See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York.
**Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.**
**U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.**

## 5078—Furnaces (Gas Generator)

**Rockwell W. S. Co., 50 Church, New York**
*See adv index at end of book*

## 5079—Furnaces (Gas Soldering)

**American Meter Co., 3112 N 17th, Phila, Pa.**
**American Stove Co. ("Quickmeal"), 827 Chonteau av, St. Louis, Mo.**
Anthony Co., 9 Jackson av, Long Island City, N. Y.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Bernz Otto, 17-37 Ashland av, Newark, N. J.
**Bickelhaupt Geo. Skylight Works, 722 11th av, New York**
**Burgess Soldering Furnace Co. ("Gem"),** Columbus, O.
**Chicago Hardware Foundry Co. ("Turnlow"),** 544 W Washington, N. Chicago, Ill.
**Crane Wm. M. Co. ("Vulcan"), 16 W 32d, New York**
**Diener Geo. W. Mfg. Co. (Automatic), 400** Monticello av, Chicago, Ill.
**Eclipse Fuel Engineering Co. ("Eclipse"), 100 Forbes, Rockford, Ill.**
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hones Charles A. (Buzzer), 91 Noble, Brooklyn, N. Y.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Johnson Gas Appliance Co., Cedar Rapids, Ia.
**Odin Stove Mfg. Co. ("Odin"), Erie, Pa.**
**Penna. Furnace & Stove Co. ("Penna."), Warren, Pa.**
Surface Combustion Co., 366 Gerard av, New York.
Warren Mach. Products Co. ("Superior"), Warren, Pa.
Yost Mfg. Co. ("Yost" Improved Superior), Meadville, Pa.

## 5080—Furnaces (Gasoline Blast)

**American Stove Co. ("Reliable," "Quick Meal"),** 827 Chonteau av, St. Louis, Mo.
**Ashton Mfg. Co., 184 Emmet, Newark, N.J.**
Bernz Otto ("Always Reliable"), 17-37 Ashland, Newark, N. J.
Best Light Co., 477 Second N E, Canton, O.
**Clayton & Lambert Mfg. Co. (Also Kerosene),** 1370-80 Beaubien, E Detroit, Mich.
**Diener Geo. W. Mfg. Co. ("Torrid"), 400** Monticello av, Chicago, Ill.
**Double Blast Mfg. Co. ("Lundy" Double Blast), N Chicago, Ill.**
Garrison Brass & Machine Works, 107 W 13th, New York
**Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.**
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
***See adv index at end of book***
**Sun Vapor & Gas Street Light Co., Canton, O.**
**Turner Brass Works ("Bonanza"), Sycamore, Ill.**
**Rockwell W. S. Co., 50 Church, New York**
*See adv index at end of book*
Wolff Mfg Co., 255 N Hoyne av, Chicago, Ill.

## 5081—Furnaces (Glass Mfrs.')

Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
**Cox & Sons Co., 5th & Chestnut, Phila., Pa.**
Dixon H. L. Co., Rosslyn rd, Carnegie, Pa.
Laclede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.
**Miller W. R. Co., House bldg, Pittsburgh,** Pa.
Surface Combustion Co., 366 Gerard av, New York.

## Furnaces (Gold & Silver Melting)

**See Furnaces, Assayers' & Bullion**

## 5081a—Furnaces (Gun Barrel Heating)

Anthony Co. (Gun Shrinking), 9 Jackson av, Long Island City, N. Y.
**Tate-Jones & Co., Empire bldg, Pittsburgh,** Pa.

## 5081b—Furnaces (Gun Shrinking)

**Tate-Jones & Co., Empire bldg, Pittsburgh,** Pa.

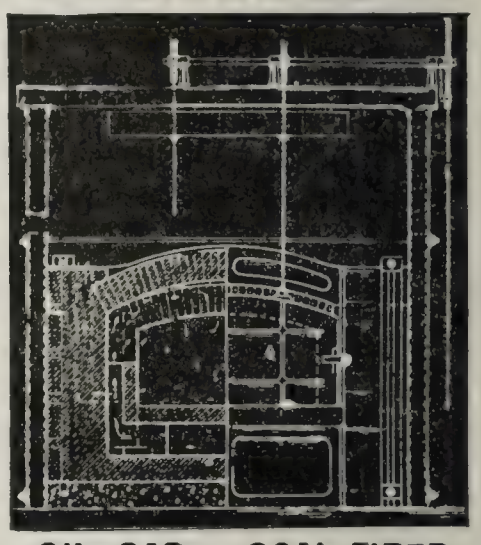
## Furnaces (Hardening)

**See Furnaces, Annealing & Case Hardening**

## 5082—Furnaces (Heat Treating)

**ANTHONY CO.,** 9 Jackson av, Long Island City, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd, Chicago, Ill.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*


**HEAT TREATING FURNACES**



**OIL, GAS or COAL FIRED**

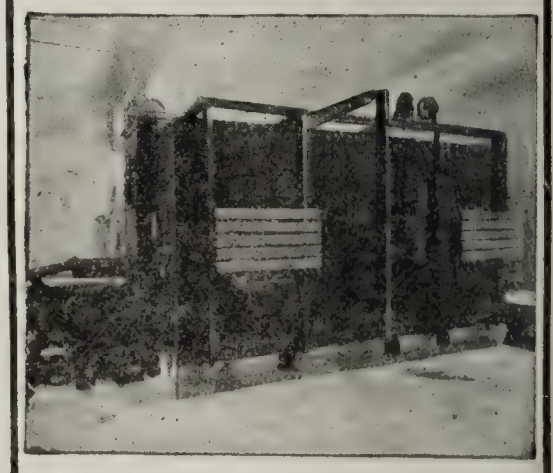
**H. B. Dempsey Furnace Co.**

**Postal Telegraph Bldg. N. Y.**


**ELECTRIC FURNACE CO.,** (The), Alliance, O. *See adv index at end of book*


*For Accurate Heat Treating*

**Baily Electric Furnaces**



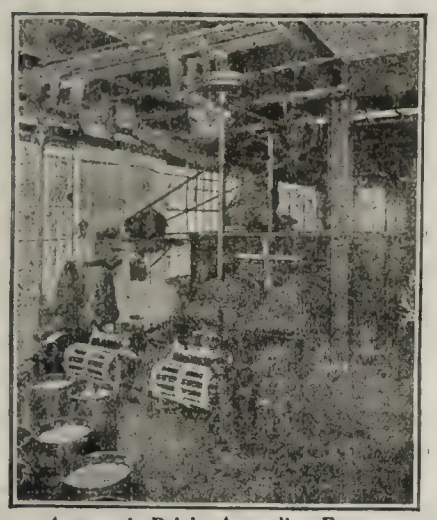
**The Electric Furnace Co.**

**Alliance, Ohio**


Ferguson Furnace Co., Toledo, Ohio.
General Electric Co. (Electric), Schenectady, N. Y. *See adv index at end of book*
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Holcroft & Co., Book bldg, Detroit, Mich.
Industrial Furnace Corp. ("Smallwood" "Hermansin," 10 Post Office sq, Boston, Mass.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.
Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.

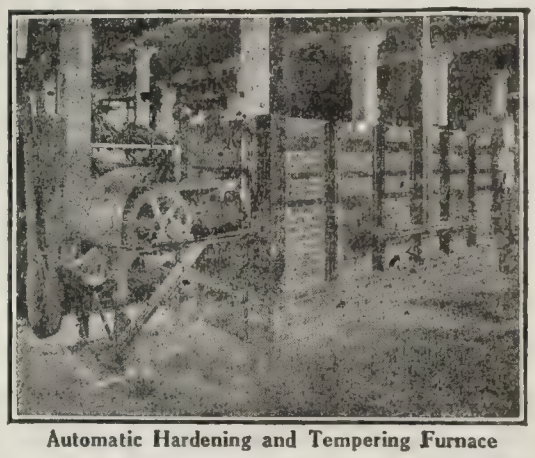
# Complete Industrial Furnace Equipment

## COAL GAS OIL



Automatic Bright Annealing Furnace

"FURNACE AND FUEL TO SUIT THE WORK"—is the rule governing our consideration of new or improvement of existing furnace equipment to suit your need under your plant conditions. Our purpose is to deal with each case on its individual merits, recommending changes in methods, equipment or fuel only when it is apparent that these will be productive of better results.

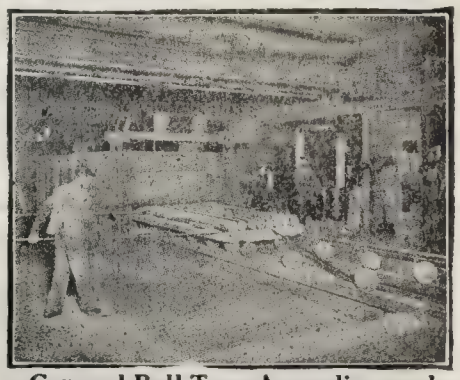


Automatic Hardening and Tempering Furnace

## Let Us Handle Your Heating Problems

We make inspection of plant, devise methods of heating and handling material, furnish equipment adapted to the individual plant conditions, and guarantee results, using coal, gas or oil, as the best interests of our patrons require.

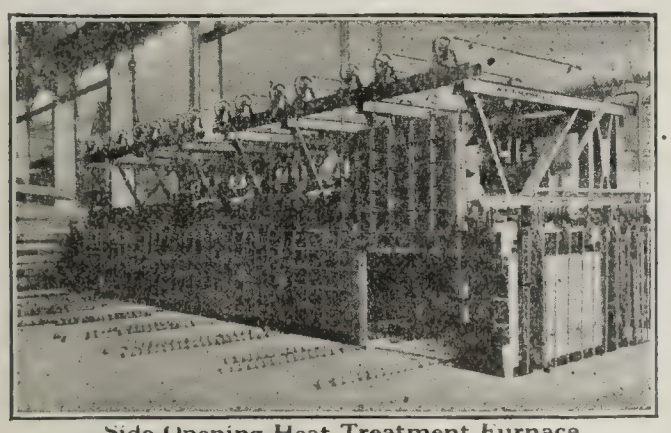
Rolling Mill Annealing Furnace



Car and Ball Type Annealing and Heat-Treating Furnace

The following list of furnaces and appliances illustrates the variety of work we do and our familiarity with furnace and fuel problems:

*Angle Heating Furnaces*
*Annealing Furnaces*
*Automatic Furnaces*
*Billet Heating Furnaces*
*Blast Gates, New Air-Tight Blowers*
*Carbonizing Furnaces*
*Cyanide Furnaces*
*Drying Furnaces*
*Enameling Furnaces*
*Forging Furnaces*
*Fuel Oil Appliances*
*Hardening Furnaces*
*Heat-Treating Furnaces*
*Heating Furnaces*
*Lead Pot Furnaces*
*Melting Furnaces*
*Muffle Furnaces*
*Plate Heating Furnaces*
*Rivet Furnaces*
*Rivet Rod Furnaces*
*Spring Fitting Furnaces*
*Soft Metal Melting Furnaces*
*Stoker Fired Recuperative Furnaces*
*Scaling Furnaces*
*Tempering Furnaces*
*Upsetting Furnaces*
*Varnish Boiling Furnaces*
*Wire Furnaces*



Side Opening Heat Treatment Furnace

## W. S. ROCKWELL COMPANY

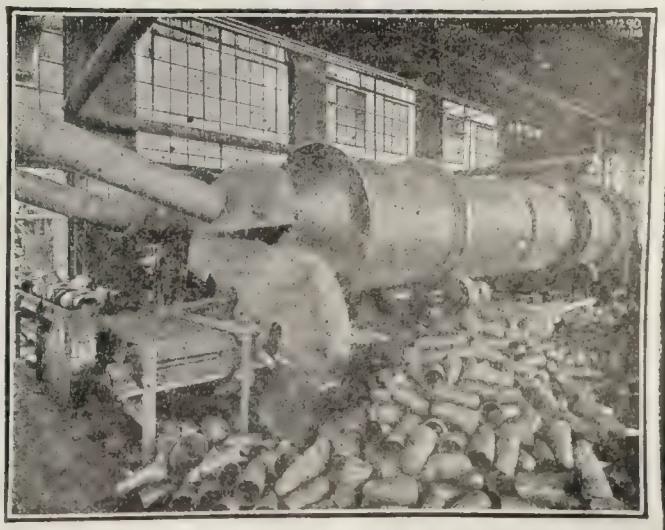
*Furnace Engineers and Contractors*

50 Church Street (Hudson Terminal Building) New York City

Branches: Chicago—Cleveland—Detroit

Economizer Forge Furnace

Tilting Reverberatory Melting Furnace



Automatic Rotary Annealing and Heat-Treating Furnaces

FURNACES (HEAT TREATING)—cont.

MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*

We build every type of Furnace for Heat Treating, Annealing, Case Hardening or Forging using all types of fuel.

**MACLEOD CO., 2227 Bogen St., Cincinnati, O.**

**ROCKWELL W. S. CO.,** 50 Church, New York. *See adv index at end of book*
Standard Fuel Engng. Co., 75 W Baltimore, Detroit, Mich.
Surface Combustion Co., 366 Gerard av, New York
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

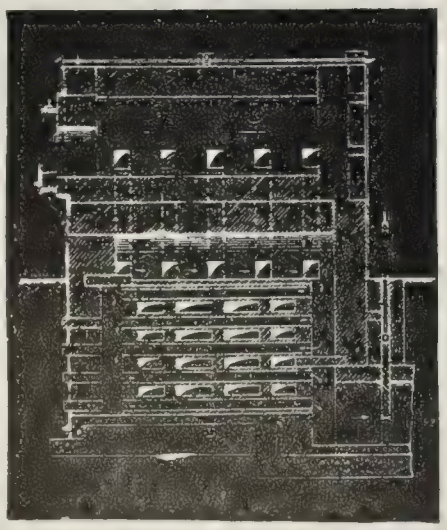
## 5082a—*Furnaces (Heat Treating Shells)

Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5083— Furnaces (Heating)

Anthony Co. (Bolt & Chain), 9 Jackson av, Long Island City, N. Y.
Best W. N., Inc. ("Colorex"), 11 B'way, New York
Buckeye Furnace Co., 1635 E 55th, Cleveland, O.
**Burns Hydro Carbon Burner Co., Fort Plain, N. Y.**
Caloric Furnace Co., 1531 Locust, Phila., Pa.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*


**FORGE FURNACES**



WITH RECUPERATORS
RECLAIM REAL MONEY

**H. B. Dempsey Furnace Co.**
Postal Telegraph Bldg. N. Y.


**FLINN & DREFFEIN CO.,** 431 S Dearborn, Chicago, Ill. *See adv index at end of book*
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hauck Mfg. Co., 110 11th, Brooklyn, N. Y.
Lindsay W. W. & Co., Harrison bldg, Phila., Pa.
McClure G. W. Son & Co., Bessemer bldg, Pittsburgh, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Metals Production Equipment Co. (Treating Heat), Springfield, Mass.
Miller W. R. Co., House bldg, Pittsburgh, Pa.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co. (Continuous), Worcester, Mass.
Naismith Geo & Son., 6312 Butler, Pittsburgh, Pa.
Rhodes Mfg. Co., Lane av & Sibley, Grand Rapids, Mich.
**ROCKWELL W. S. & CO.** (Bolt, Chain, Plate, Rivet, etc.), 50 Church, New York *See adv index at end of book*
**Smythe S. R. Co., House bldg, Pittsburgh, Pa.**
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 366 Gerard av, New York.
Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh, Pa.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Tomkins Alfred Co., House bldg., Pittsburgh, Pa.
Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*
Wellman-Seaver-Morgan Co. (Continuous), Cleveland, O. *See adv index at end of book*

## 5084—Furnaces (High Speed Steel)

American Gas Furnace Co. (Gas), 24 John, New York
Anthony Co., 9 Jackson av, Long Island City, N. Y.
**Bellevue Furnace Co. (Fuel Oil Burning Muffle), 703 Bellevue av, Detroit, Mich.**
Best W. N., Inc. ("Caloren"), 11 B'way, New York
**Burns Hydro Carbon Burner Co., Ft. Plain, N. Y.**
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd, Chicago, Ill.
**Crowley John A. Co., 120 Liberty, New York**
**Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.**
Ferguson Furnace Co., Toledo, Ohio.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
**Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg,** Baltimore, Md.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Rockwell W. S. Co., 50 Church, New York. *See adv index at end of book*
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 366 Gerard av, New York.
Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh, Pa.
Tate-Jones & Co. Empire bldg, Pittsburgh, Pa.
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.

## 5085— Furnaces (Hop)

Munnsville Plow Co. ("Duplex," "O. K."), Munnsville, N. Y.

## 5086—Furnaces (Hot Air, Gas for Fuel)

Barber Mfg. Co., Ashtabula, O.
Buffalo Co-Operative Stove Co. ("Amherst"), Buffalo, N. Y.
Century Stove & Mfg. Co. ("Century"), Johnstown, Pa.
Hughes E. F. ("Perfection"), Titusville, Pa.
International Heater Co., Utica, N. Y.
Mellott Furnace Co., 955 Liberty av, Pittsburgh, Pa.
Pennsylvania Furnace & Stove Co., ("Penna"), Warren, Pa.
Scientific Heater Co., 1065 E 152nd, Cleveland, O.

## 5087—Furnaces (Hot Air, Mfrs.)

ALABAMA—Montgomery, Janney & Company *See adv index at end of book*

### CALIFORNIA.

LOS ANGELES—Phillips Heating, Vent & Mfg. Co. ("Browne" & "Phillip")
SAN FRANCISCO—Mission Fdry & Stove Wks Treat av & 19th
Montague Range & Furnace Co., 826 Mission
Steiger & Kerr Stove & Foundry Co., Folsom & 18th

### COLORADO.

DENVER—Shane Furnace & Metal Appliance Co., W Warren av. & S Delaware

### CONNECTICUT.

BRIDGEPORT—Green M. A. & Co. ("Culver" Tubular)
BRISTOL—Turner Heater Co.
NORWICH — Richmond Radiator Co. ("Richmond"), Main Office, New York
PUTNAM—Putnam Foundry & Machine Co.
STAMFORD—Stamford Foundry Co.

### ILLINOIS.

BELLEVILLE—Oakland Foundry Co. ("Z-Ro")
BLOOMINGTON—American Fdry & Furnace Co.
MaGirl P. H.
CHICAGO—Co-Operative Foundry Co., 505 S Clinton
Chicago Down Draft Furnace Co., 115-117 S Clinton
Excelsior Steel Furnace Co., 118 S Clinton
Hamilton Alfred O., 820 E 43d
Hess Warming & Ventilating Co. ("Hess"), 1211 S Western av
McMillan Jas & Co., 114 Clarkson ct
Olson A. J. & Co., 217 W Lake
Quaker Mfg. Co. ("Quaker" Steel), 180 N Dearborn
Reynolds B. F. & Co., 414 N Dearborn av
Robinson Furnace Co., ("Gem"), 205 W Lake
Servoss Furnace Co., 55 W Austin av
Water Arch Furnace Co., 38 S Dearborn
DANVILLE—Koons Wm. U.
GALENA—Westwick John & Son
JOLIET—Moore Bros. Co. ("Moore's")
MOLINE—Tyrell B. B.
MONMOUTH—Maple City Furnace Co.
PEORIA—Meyer Furnace Co.
QUINCY—Excelsior Stove & Mfg. Co. ("National")
Gem City Stove Mfg. Co. ("German")

### INDIANA.

HUNTINGTON—Majestic Co. ("Majestic" Pipe & Pipeless)
INDIANAPOLIS—Hawkins Rollyn
Kruse & Dewenter, 427 E Washington
Rybolt Heating Co., 632 Mass. av
Thiele L. C. Co.
Troy Bros.
KOKOMO—Globe Stove & Range Co. ("Globe")

### IOWA.

CEDAR RAPIDS—Cedar Rapids Foundry & Machine Co.
COUNCIL BLUFFS—Sprague Foundry & Mfg. Co. ("Crater," "Sprague" Underfeed)
DES MOINES—Campbell Heating Co.
Green Foundry & Furnace Works
Keith Furnace Co.
MARSHALLTOWN—Lennox Furnace Co. (Hard & Soft Coal & Wood, "Lennox," "Torrid Zone," "Hermetic")
WATERLOO—Bovee Furnace Works (Bovee Furnace Works ("Bovee," Compound Radiator Furnace
Gibson Mfg Co., 415 Niles
Waterloo Register Co. ("Carter's")

### KENTUCKY.

LOUISVILLE—Stratton & Terstegge Co., 15th & Main

### MAINE.

BANGOR—Wood & Bishop Co.
PORTLAND—Portland Stove Foundry Co.

### MARYLAND.

BALTIMORE — Bartlett Hayward Co. ("Standard," "Gem," "Reliable," "National"), Scott & McHenry
Bibb B. C. Stove Co. ("Bibb" Peerless Improved "B. B." Portable), Sanitary, 109 Light

### MASSACHUSETTS.

BOSTON—Carpenter Cyrus & Co., 177 Massachussetts av
Chubbuck Furnace Co., 1892 Washington
Clark Henry N. Co., 56 Union
Hertig Furnace Co. ("Kohler"), 1343 Columbus av
Howes S. M. Co., 42 Union
Magee Furnace Co., 38 Union
Ridgway Furnace Co., 80 Beverly
Rodday Robt. J. Co., 138 Harrison av
Walker & Pratt Mfg. Co. ("Crawford"), 31 Union
MANSFIELD—Chilson Furnace Co.
METHUSEN—Sanborn Furnace Co.
OAKHAM—Dean Walter R.
WATERTOWN—Walker & Pratt Mfg. Co.
WESTFIELD—Brien Heater Co. ("Brien" & "Waldron")
WINCHENDON—Hill & Bosley

### MICHIGAN.

BAY CITY—Garland M. Co.
DETROIT—Detroit Stove Works ("Detroit Jewell" "Coal Saver," 1320 Jefferson av
Hare A. A., 300 Woodward av
Ideal Furnace Co., 88 Jefferson av
Michigan Stove Co. ("Garland"), Adair & Jefferson
Peninsular Stove Co.
Smith Peter Heater Co., 1843 Mt. Elliott
HOLLAND—Holland Furnace Co.
KALAMAZOO—Kalamazoo Stove Co.
MARSHALL—Marshall Furnace Co.
Simons-Leedle Co. ("Dobbins" Tubular)
MONROE—Monroe Foundry & Furnace Co. ("Floral City")
NORTHVILLE—American Bell & Foundry Co.
PETOSKEY—Burnett Foundry & Machine Works (Ltd.)

### MINNESOTA.

MINNEAPOLIS—Andrews Heating Co. ("Andrews")
Roberts-Hamilton Co. ("Storm King"), 413 S 4th
NORTHFIELD—Northfield Furnace Co. (Robaco)
ST. PAUL—Prendergast Bros., 20 E 6th

### MISSOURI.

KANSAS CITY—Kansas City Furnace Co. ("Ideal"), 2429 Independence av
Prest Heating & Foundry Co.
ST. LOUIS—American Furnace Co., 2725 Morgan
Brinkmann J. H. & Sons, 1913 Olive
Dooly Jno. E. Hardware Co., 5107 Delmar
Haynes-Langenberg Mfg. Co. ("Front Ranks" Steel), 4045 Forest Park blvd
Tipton & Mackey Mfg. Co., 4948 Eason av
Wrought Iron Range Co., 5661 Natural Bridge rd
Zellweger J. & Sons ("Multi-Plate")

### NEBRASKA.

OMAHA—Standard Furnace & Supply Co. ("Nesbit")

### NEW JERSEY.

JERSEY CITY—Boynton Furnace Co., Pacific av
Colby E. B. & Co. ("Cable"), Hoboken av
NEWARK—Thatcher Furnace Co., 36 St. Francis
TRENTON—Mott J. L. Iron Works

### NEW YORK.

BUFFALO—Buffalo Co-operative Stove Co. ("Amherst")
CORNING—Corning Mfg. Co. ("The Victor")
Hood Furnace & Supply Co. ("Our Home," "New Home," "Cottage Home," "Cheerful Home")
GENEVA—Summit Foundry Co.
NEW YORK—Boynton Furnace Co. ("Square Pot"), 106 W 37th
Graff Furnace Co. ("Faultless"), 105 E 29th
Harvey Furnace Co., 337 W 38th
Improved Appliance Co. 413 Kent av, Brooklyn
Janes & Kirtland, 133 W 44th
Nugent Thos., 223 E 80th
Richardson & Boynton Co., 31 W 31st
Thatcher Furnace Co., 135 W 35th
Union Stove Works ("Astor" "Storm King"), 70 Beekman
Wear John B. & Son, 206 E 29th
NIAGARA FALLS—Niagara Falls Furnace Co. ("Fremont")
PEEKSKILL—Union Stove Works
ROCHESTER—Co-Operative Foundry Co. ("Ajax," "Red Cross")
Enterprise Foundry Co. ("Ariel")
Galusha Stove Co. ("Norman Phoenix")
Sill Stove Works ("Sterling")
SYRACUSE—Kelsey Heating Co. ("Kelsey")
Syracuse Stove Wks
TROY—Burdett, Smith & Co.
Fuller & Warren Co.
Henderson Frank
UTICA—Giblin & Co. ("Standard")
Hart & Crouse Co.
International Heater Co. ("International," "International Carton," "International Duke," "International Earl," "International Baronet," "International Princess," "International Count," also "International One-Pipe" Heater)
Utica Heater Co.

### OHIO.

AKRON—Jahant Foundry & Heating Co.
Taplin-Rice-Clerkin Co. ("Climax")
XXth Century Heating & Ventilating Co. (Pipeless "XXth Century")
Wise Furnace Co. ("Wise")
ASHTABULA—Barber Mfg. Co. ("Buckeye," "Challenge," "Ideal")
BUTLER—Switzer C. M.
CADIZ—Gammeter W. F. ("Reflex")
CANTON—Yost Furnace Co.
CINCINNATI—Grossius John Furnace Co., 318 E 8th
Hammond Heating Co., 130 E Pearl
Miller Wm. Range & Furnace Co., 125 E 5th
Monitor Stove Co. ("Caloric" pipeless), C. H. & D. R. R., nr Gest
Rybolt Heating Co., 309 E 5th
Williamson Heater Co. ("Peck-Hammond"), 339 W 5th
CLEVELAND—Auer Register Co., 403 Long av
Bennett Furnace Co. ("Cleveland," "Euclid," "Ohio"), 6531 Euclid av
Forest City Foundry & Mfg. Co. ("Monarch," "Niagara," "Imperial," "Pyramid"), 2202 Elm av
Henry Miller Foundry Co., 825 Long av
Mannen John E. Co. ("Manest" Combination Coal & Gas), 2247 St. Clair
Scheible-Moncrief Heater Co., 1444 W 9th, Cleveland, O.
Smith W. A. & Co., 625 Champlain
COLUMBUS—Columbus Heating & Ventilating Co. ("Columbia," "U. S.," "Ohio," Coal or Gas, for Schools, Churches, etc)
Ideal Heating Co., 16 E First av
CRESTLINE—Schill Bros. Co.
DAYTON—Buckeye Steel Furnace Co. (Steel)
Gem City Stove Co. ("Clermont")
National Furnace Co. ("National Hustler," "National Star")
DOVER—Myers Bros. ("Mybo")
ELYRIA—Fox Furnace Co.
FREDERICKSTOWN—Zeiz F. B. Mfg. Co. ("Butler Furnace")
HAMILTON—Estate Stove Co. Estate
MARTINS FERRY—Stanton Heater Co. ("Stanton" Seamless)
MASSILLON—Hess-Snyder Co. ("Boomer")
NEWARK—Simpson Fdry Co.
RAVENNA—Ravenna Furnace & Heating Co.
SPRINGFIELD—Patric Furnace Co.
Progress Furnace Co.
WILMINGTON—Farquhar Furnace Co. ("Farquhar")
YOUNGSTOWN—Mahoning Foundry Co.
Youngstown Furnace Co. ("Lion" Combination, "Apex" Bessemer)

### OREGON.

PORTLAND—McPherson W. G. Co. ("Perfect") ("Comfort" Victor")

### PENNSYLVANIA.

BRISTOL—Harkins T. B. Foundry Co.
COLUMBIA—Keeley Stove Co. ("Columbian" One Pipe Warm)
CONNELLSVILLE—Munson Heater Co., Ltd.
DANVILLE—Danville Stove & Mfg. Co. ("Beaver")
ERIE—Germer Stove Co.
Krack Gust & Son
Patterson & Stirling
HARRISBURG — Harrisburg Mfg. & Boiler Co.
LEHIGHTON—Lehigh Stove & Mfg. Co.
PHILADELPHIA—Berger L. D. Co., 59 N 3d
Cox Abram Stove Co., cor American & Dauphin
Liberty Stove Co., 308 Chestnut
Makin Heating Co., 1827 Filbert
Mershon Patent Shaking Grate Works, 147 N 3d
Philadelphia Stove & Iron Fdry Co., 1631 N 5th
Reynolds J & Son, 1613 Filbert
Sheppard Isaac A. Co. ("Paragon," "Excelsior"), Land Title bldg
Spear Jas. Stove & Heating Co., 1823 Market
Thomas Roberts Stevenson & Co. ("Fortune," "Active Specialty," "Forbes"), American & Dauphin
Tubular Heating & Ventilating Co. ("Forbes"), 232 Quarry
PITTSBURGH — Rust Engineering Co., Farmers Bk. bldg
Stove & Range Co. of Pittsburgh, Preble av, nr Superior bridge
POTTSTOWN — March-Brownback Stove Co. ("Crown")
POTTSVILLE—Pottsville Foundry & Stove Co. ("Derr")
QUAKERTOWN—Quakertown Stove Wks
READING—Geissler Bros.
Mount Penn Stove Works
Prizer-Painter Stove Co. (One pipe or Pipeless)
Reading Stove Works ("Othello," "Sunshine")
ROYERSFORD — Buckwalter Stove Co. ("Eclipse")
Floyd-Wells Co. ("Bengal," "Tiger")
SPRING CITY—Keystone Stove Foundry
TITUSVILLE—Hughes E. F.
WARREN—Penna. Furnace & Stove Co. ("Penna" Gas for Fuel)

### RHODE ISLAND.

PROVIDENCE—Barstow Stove Co., 116 Point

### TEXAS.

SCHULENBURG—Ruhmann G. E. (Steel)

### VIRGINIA.

RICHMOND—Richmond Stove Co. (One Pipe & Pipeless), Main

### WASHINGTON.

TACOMA—Case Furnace Co.

### WISCONSIN.

MILWAUKEE—Fuller-Warren Co. ("Stewart"), 32d c Wright
Mueller L. J. Furnace Co. ("Mueller")
Schwab R. J. & Sons Co. ("Gilt Edge 283 Clinton
NEENAH—Bergstrom Stove Co.

## 5087a—Furnaces (Insulation for Industrial)

**ALIGNUM FIREPROOF PRODUCTS CO., INC.,** So. River, N. J. & 356 Lexington av., New York
*See adv index at end of book*

## 5087b— *Furnaces (Japanning)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*

## 5088— Furnaces (Jewelers')

**BEACH-RUSS CO.**, 216-244 B'way, New York *See adv index at end of book*
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Keller A. E., 136 Beekman, New York
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
U. S. Gas Furnace Co. (Gas Blast), 46 Clifford, Providence, R. I.
Westmacott Gas Furnace Co. (Gas Blast), 159 Orange, Providence, R. I.
Worthington & Raymond (Jobbers, "Optimus," "W. & R."), 71 Murray, New York.

## 5089— Furnaces (Kerosene)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**Ashton Mfg. Co. (Blast), 184 Emmet, Newark, N. J.**
Bernz Otto ("Always Reliable"), 17-37 Ashland, Newark, N. J.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Globe Gas Light Co. ("Barthel," Soldering & Babbitt), 25 Union, Boston, Mass.
Hauck Mfg Co., 101 11th, Brooklyn, N. Y.
Otto William H., Metal Goods Corp., ("Khotal"), 401 St. Paul's av, Jersey City, N. J.
**MacLeod Co., 2227 Bogen, Cincinnati, O.** *See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Surface Combustion Co., 366 Gerard av, New York.
Turner Brass Works (Blast), Sycamore, Ill.

## Furnaces (Laboratory)

See Furnaces, Assayers and Bullion; also Furnaces Crucible, Furnaces Electric

## 5090—Furnaces (Lead for Galvanizing Wire)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York
Vaughn Machinery Co. (Annealing), Cuyahoga Falls, O. *See adv index at end of book*

## 5091—Furnaces (Lead Melting)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**BIEHL IRON WORKS, INC.**, (Portable & Stationary), Reading, Pa. *See adv index at end of book*
Buckeye Products Co., 919-929 W 5th, Cincinnati, O. *See adv index at end of book*
**CHICAGO FLEXIBLE SHAFT CO.**, 5600 Roosevelt rd., Chicago, Ill.
Ferguson Furnace Co., Toledo, Ohio.
Focht Geo. Sons (Pipe Line), 117-119 Adams, Hoboken, N. J.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y
Leadite Co. (Gasoline), Land Title bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Penn Foundry & Mfg. Co., Reading Pa.
Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.
Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Smith A. P. Mfg. Co. ("Economic," "O'Brien"), East Orange, N. J.
Sperry D. R. & Co. (Salamander Type), Batavia, Ill.
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Steubner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Union Iron Works, Hoboken, N. J.

## 5092—Furnaces (Lead Tempering)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
**CHICAGO FLEXIBLE SHAFT CO.**, 5600 Roosevelt rd., Chicago, Ill.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Metals Production Equipment Co., Springfield, Mass.
**ROCKWELL W. S. CO.**, 50 Church, New York. *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5093—Furnaces (Liquid Boiling)

**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*

## 5094—Furnaces (Liquid Fuel)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Best W. N. Inc. ("Calorex"), 11 B'way, New York
Braun Corporation ("Braun," for Assayers, Mining), 363 New High, Los Angeles, Cal.
Buckeye Products Co., 919-929 W 5th, Cincinnati, O. *See adv index at end of book*
Ferguson Furnace Co., Toledo, Ohio.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5095— Furnaces (Locomotive)

American Arch Co. ("Gaines" Combustive Combination Chambers), 30 Church, New York
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*

## 5096—*Furnaces (Magnet Heating)

MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York

## 5097—Furnaces (Malleable Annealing & Melting)

Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
Holcroft & Co., Book bldg, Detroit, Mich.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago

## 5098— Furnaces (Melting)

See also Furnaces, Brass & Copper Melting; also Furnaces, Crucible
American Equipment Co., Norristown, Pa.
American Gas Furnace Co., 24 John, New York
Anthony Co., 9 Jackson av, Long Island City, N. Y.
Automatic Furnace Co., 1st & Harshman, Dayton, O.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Best W. N. Inc. ("Calorex"), 11 B'way, New York
**BUCKEYE PRODUCTS CO.**, 919-929 W 5th, Cincinnati, O. *See adv index at end of book*
Burns Hydro Carbon Burner Co., Ft. Plain, N. Y.
Chicago Flexible Shaft Co. ("Stewart," for Soft Metal, etc.), 5600 W 12th, Chicago, Ill.
**DETROIT FURNACE CO.**, 642 Book Bldg, Detroit, Mich.
Dopp J. W. & Co. (Crucible & Non Crucible, Dealers), 18 W Columbia, Detroit, Mich.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
**ELECTRIC FURNACE CO.**, (The), Alliance, O. *See adv index at end of book*
Fisher Alfred, 762 W Adams, Chicago, Ill.
**FLINN & DREFFEIN CO.**, (Gas & Oil), 431 S Dearborn, Chicago, Ill. *See adv index at end of book*
Foundry Equipment Co., Buffalo, N. Y.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
Hausfeld Co., Harrison, O.
Hawley Down Draft Furnace Co. ("Hawley-Schwartz" Metal), Easton, Pa.
Holcroft & Co., Book bldg, Detroit, Mich.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 Broadway, New York *See adv index at end of book*
Koven L. O. & Bro. (Portable), 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*

We have a new type of melting furnace where the flame does not come in contact with the metal being melted.
**MACLEOD CO., 2227 Bogen St., Cincinnati, O.**

Monarch Engineering & Mfg. Co. ("Monarch," "Rockwell," "Steele-Harvey" Tilting), American bldg, Baltimore, Md.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Pittsburgh Electric Furnace Co. (Aluminum, Brass & Copper), Vanadium bldg, Pittsburgh, Pa.
**ROCKWELL W. S. CO.** (Brass & Copper Tube), 50 Church, New York *See adv index at end of book*
Rowell Mfg. Co., Appleton, Wis.
Sperry D. R. & Co. (For Soft Metals), North Batavia, Ill.
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av N W, Cleveland, O.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
Surface Combustion Co., 368 Gerard av, New York
Swindell Wm. & Bro. (Malleable & Foundry), Jenkins Arcade bldg, Pittsburgh, Pa.
Tompkins Alfred Co., House bldg, Pittsburgh, Pa.
**WEBB ELECTRIC FURNACE CORP.**, 42 Church, New York *See adv index at end of book*
Wellman-Seaver-Morgan Co. ("Wellman," Rolling & Stationary), Cleveland, O. *See adv index at end of book*

## 5099—Furnaces (Muffler & Oven)

Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
Anthony Co., 9 Jackson av, Long Island City, N. Y.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Bellevue Furnace Co. (Fuel Oil Burning for High Speed Steel) 703 Bellevue, Detroit, Mich.

**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
Dempsey H. B. Furnace Co., Postal Telegraph bldg, New York
*See adv index at end of book*
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Ferguson Furnace Co., Toledo, Ohio.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
**MACLEOD CO.,** 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Metals Production Equipment Co., Springfield, Mass.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5100—Furnaces (Muffling & Charcoal Sinking)

Mackenzie's Duncan Sons Co., Trenton, N. J.

## 5100a—*Furnaces (Non-Crucible)

**BUCKEYE PRODUCTS CO.,** 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
U. S. Smelting Furnace Co., Belleville, Ill.

## 5101— Furnaces (Oil Blast)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
Hausfeld Co., Harrison, O.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York

## 5101a—Furnaces (Oil Burning)

See also Furnaces, Fuel Oil Burning
**ANTHONY & CO.,** 9 Jackson av, Long Island City, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
Hammel Oil Burning Equipment Co., Inc., 409 Pine, Providence, R. I.
Hausfeld Co., Harrison, O.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**ROCKWELL W. S. CO.** (For Melting, Annealing, Crucible, etc.), 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York.
U. S. Smelting Furnace Co., Belleville, Ill.

## 5102—Furnaces (Oil Tempering)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**Bellevue Furnace Co., 703 Bellevue av, Detroit, Mich.**
**Burns Hydro Carbon Burner Co., Fort Plain, N. Y.**
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Ferguson Furnace Co., Toledo, O.
**FLINN & DREFFEIN CO.,** 431 S Dearborn, Chicago, Ill.
*See adv index at end of book*
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
**MACLEOD CO.,** 2227 Bogen, Cincinnati, O. *See adv index at end of book*
**Metals Production Equipment Co., Springfield, Mass.**
**Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.**
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York.
**Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.**

## 5103—Furnaces (Open Hearth)

Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
**Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.**
Blaw Knox Co., Freeport rd, Hoboken. **Pa.**
Efficient Contractors, Inc., Perth Amboy, N. J.
Holcroft & Co., Book bldg, Detroit, Mich
**Laughlin Alex. & Co. (Continuous Heating), Pittsburgh, Pa.**
Lindsay W. W. & Co., Harrison bldg. Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
McClure G. W. Son & Co., Bessemer bldg Pittsburgh, Pa.
McLain-Caster Furnace Co., Goldsmith bldg., Milwaukee, Wis.
Miller W. R. Co., House bldg., Pitsburgh, Pa.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Pennsylvania Engineering Works, New Castle, Pa.
Petroleum Iron Works Co., Sharon, Pa.
Smythe S. R. Co., House bldg., Pittsburgh, Pa.
Swindell Wm. & Bros., Jenkins Arcade bldg., Pitsburgh, Pa.
Tomkins Alfred Co., House bldg, Pittsburgh, Pa.
Wellmann-Seaver-Morgan Co. ("Wellmann" Rolling & Stationary), Cleveland, O.
*See adv index at end of book*

## 5104— Furnaces (Pipe Mill)

Dempsey H. B. Furnace Co., Postal Telegraph bldg, New York
*See adv index at end of book*
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Smythe S. R. Co., House bldg, Pittsburgh, Pa.

## 5105—Furnaces (Plate Heating)

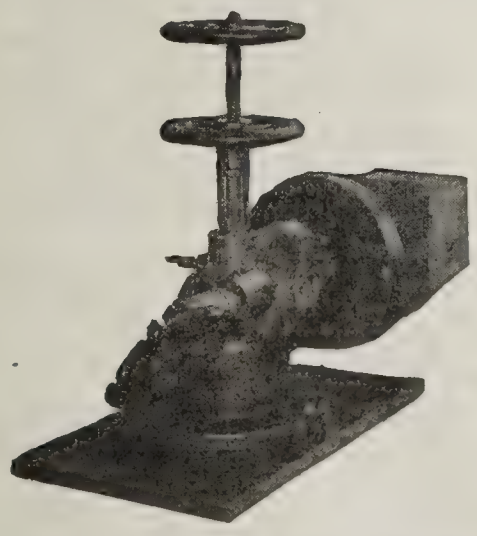
Anthony Co., 9 Jackson av, Long Island City, N. Y.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Tomkins Alford Co., House bldg, Pittsburgh, Pa.

## 5106—Furnaces (Powdered Coal)

Metals Production Equipment Co., Springfield, Mass.

## 5107—Furnaces (Producer Gas)

See also Gas Producers
Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
Flinn & Dreffein Co., 431 S Dearborn, Chicago, Ill.
*See adv index at end of book*
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg.. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*

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Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5108—Furnaces (Rectangular Copper)

**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*

## 5109—Furnaces (Refining & Reducing)

Hausfeld Co., Harrison, O.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Pittsburgh Electric Furnace Co., Vanadium bldg, Pittsburgh, Pa.
Rockwell W. S. Co., 50 Church New York
*See adv index at end of book*
Strong, Carlisle & Hammond Co. ("S-C-H"), 336-344 Frankfort av, N W, Cleveland, O.
Surface Combustion Co., 368 Gerard av, New York
**WEBB ELECTRIC FURNACE CORP.,** 42 Church, New York
*See adv index at end of book*
Wile Electric Furnace Co., Jenkins Arcade, Pittsburgh, Pa.

## 5110—Furnaces (Regenerative Gas)

Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
Dempsey H. B. Furnace Co., Postal Telegraph bldg, New York
*See adv index at end of book*
Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Swindell Wm. A. Bro., Jenkins Arcade bldg Pittsburgh, Pa.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5111— Furnaces (Re-Heating)

Amsler-Morton Co., Farmers Bank Bldg., Pittsburgh, Pa.
Anthony Co., 9 Jackson av, Long Island City, N. Y.
Best W. N., Inc. ("Calorex"), 11 B'way, New York
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg, New York
*See adv index at end of book*
Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
New York.
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 5112—Furnaces (Reverberatory)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York.

## 5112a—*Furnaces (Revolving, Annealing & Hardening)

**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*

## 5113—Furnaces (Revolving Forge)

Mac Leod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Pawtucket Mfg. Co., Pawtucket, R. I.
**ROCKWELL W. S. C.** (Annealing for Oil, Coal or Gas), 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5114—Furnaces (Rivet Heating)

American Equipment Co., Norristown, Pa.
**ANTHONY CO.,** 9 Jackson av, Long Island City, N. Y.
**BEACH-RUSS CO.** (Oil or Gas), 216-224 Broadway, New York
*See adv index at end of book*
Bellevue Furnace Co., 703 Bellevue av, Detroit, Mich.
Best W. N. ("Calorex"), 11 B'way, New York
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
Eclipse Fuel Engineering Co. ("Eclipse" Gas Fired), 100 Forbes, Rockford, Ill.
Ferguson Furnace Co., Toledo, Ohio.
General Electric Co. (Electric), Schnectady, N. Y. *See adv index at end of book*
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Koven L. O. & Bro. (Oil or Gas), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch" & "Rockwell"), American bldg, Baltimore, Md.
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Strong, Carlisle & Hammond Co., ("S-C-H"), 336-344 Frankfort av N W, Cleveland, O.
Surface Combustion Co., 366 Gerard av, New York
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Thomson Electric Welding Co. ("Thomson"), Lynn, Mass.

## 5114a—*Furnaces (Rivet, Tire, Etc|)

**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York

## 5115— Furnaces (Rocker)

Southern Plow Co. (Portable with Evaporator Pan), Columbus, Ga.

## 5116—Furnaces (Roll Tempering)

Dempsey H. B. Furnace Co., Postal Telegraph bldg, New York
Ferguson Furnace Co., Toledo, Ohio.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Metals Production Equipment Co., Springfield, Mass.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex" & "Monarch-Rockwell"), American bldg, Baltimore, Md.
Railway Materials Co. ("The Ferguson," Oil as Fuel), Railway Exchange bldg, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York

## 5117—Furnaces (Rotary, Kiln, Automatic)

Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
**SCHAFFER ENGINEERING & EQUIPMENT CO.,** Peoples Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*
U. S. Smelting Furnace Co., Belleville, Ill.

## 5117a—Furnaces (Rotating & Tilting)

U. S. Smelting Furnace Co., Belleville, Ill.

## Furnaces (Salamander)

See Salamanders

## 5118—Furnaces (Saw Hardening)

MacLeod Co., 227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York.

## Furnaces (Scrap Melting)

See Furnaces, Steel Melting

## 5119-20—Furnaces (Sherardizing)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
New Haven Sherardizing Co., New Haven, Conn.
Surface Combustion Co., 368 Gerard av, New York.

## 5121— Furnaces (Sintering)

American Grondal Co., 120 B'way, New York
**SINTERING MACHINERY CORP.,** Netcong, Morris Co., N. J.
*See adv index at end of book*

## 5122—Furnaces (Smelting, Roasting, Calcining, Etc.)

Allis-Chalmers Mfg. Co. ("McDougal," Roasting, etc.), Milwaukee, Wis.
Arizona & Sonora Mfg. Co. (Wood Fuel), Nogales, Ariz.
Bethlehem Foundry & Machine Co. (Smelting), South Bethlehem, Pa.
Braun Corporation, 363 New High, Los Angeles, Cal.
Breuer C. R. Smelting & Refining, Beekman & Hopple, Cincinnati, O.
Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works Co., Denver, Colo.
General Chemical Co. ("Herreshoff" Roasting Furnace for De-sulphurizing Ores), 25 Broad, New York.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
**KENNEDY VAN SAUN MFG. & ENG. CORP.** ("Bruckner" Batch Roasting, etc.), 120 Broadway, New York.
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Love Bros., Inc. (Roasting), Aurora, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Mecklenburg Iron Works, Charlotte, N. C.
Mine & Smelter Supply Co. (No Calcining Furnace), 42 B'way, New York.
Moore Bros. Co., Elizabeth, N. J.
Nichols Copper Co. ("Herreshoff" Roasting), 25 Broad, New York.
Penn Fdy. & Mfg. Co. ("O'Brien" Ore Roasting), Reading, Pa.
Pittsburgh Electric Furnace Co., (Smelting), Vanadium bldg., Pittsburgh, Pa.
Reeves Bros. Co., The (Roasting, Calcining, etc.), Alliance, O.
*See adv index at end of book*
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Treadwell Construction Co. (Roasting, Calcining, etc.), Midland, Pa.

Walker Mfg. Co. (De Sulphurizing Ores), Denver, Colo.
Wedge Mechanical Furnace Co., Greenwich Point, Phila., Pa.

## 5123— Furnaces (Smokeless)

See also Mechanical Stokers

Boiler Efficiency Engineers, Manhattan bldg, Chicago, Ill.
*See adv index at end of book*
Brightman Furnace Co., 2570 Broadway, Cleveland, O.
Burke Furnace Co., 320 N Water, Chicago, Ill.
Chicago Down Draft Furnace Co., 115 Clinton, Chicago, Ill.
Climax Smoke Preventer Co., 261 Franklin, Boston, Mas.
Dorrance Chas. J. ("Dorrance"), 5247 Ravenswood av, Chicago, Ill.
Harris Smokeless Furnace Co. ("Harris"), Nashville, Tenn.
Hawley Down Draft Furnace Co., Easton, Pa.
Herbert Boiler Co., 140 Root, Chicago, Ill.
Household Appliance Co. (& Cooking Utensils Odor Consumers), Neenah, Wis.
Illinois Stoker Co., Alton, Ill.
Jarvis Engineering Co., 261 Franklin, Boston, Mass.
McMillan, James & Co., 114 Clarkson, Chicago, Ill.
Murphy Iron Works ("Murphy" Automatic), ft. Walker, Detroit, Mich.
O'Brien John Boiler Works Co. ("O'Brien-Hawley" Down-Draft), St. Louis, Mo.
**POWER SPECIALTY CO.** ("Kent"), 111 B'way, New York
*See adv index at end of book*
Quinn & Co. ("Quinn" Flat Top), 222 E 9th, Cincinnati, O.
Riley Sanford Stoker Co., Worcester, Mass.
Thacher Propeller & Foundry Corp. ("Albany" Mechanical Smokeless Furnace), Albany, N. Y.

## Furnaces (Soldering)

See Furnaces, Gas Soldering; Furnaces; Gasoline Blast; also Furnaces, Kerosene; also Heaters, Soldering Iron

## 5123a—*Furnaces (Spring Fitting)

Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
**ROCKWELL W. S. CO.,** 50 Church, New York. *See adv index at end of book*

## 5123b—*Furnaces (Steel Annealing)

See also Furnaces, Annealing & Case Hardening

**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg., New York.
*See adv index at end of book*
**ROCKWELL W. S. CO.,** 50 Church, New York *See adv index at end of book*

## 5124—Furnaces (Steel Melting)

Anthony & Co., (for Soft Metal), 9 Jackson av, Long Island City, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York
**WEBB ELECTRIC FURNACE CORP.,** 42 Church, New York.
*See adv index at end of book*

## 5125—*Furnaces (Stoker Fired)

Naismith Geo. & Son, 6312 Butler, Pittsburgh, Pa.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*

## 5126— Furnaces (Sulphur)

Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Schutte & Koerting Co. (Beet Sugar or Glue, Sulphuric Acid, etc.), 1251 N 12th, Phila., Pa.

## 5126a—Furnaces (Tempering)

See also Furnaces, Annealing & Case Hardening

**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg., New York.
*See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**ROCKWELL W. S. CO.,** 50 Church, New York. *See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York

## 5127— Furnaces (Tinning)

**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), American bldg., Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York
Vaughn Machinery Co., Cuyahoga Falls (Wire Mill), Ohio.
*See adv index at end of book*

## 5128—Furnaces (Tire Heating)

American Gas Furnace Co., 24 John, New York.
Best W. N., Inc. ("Calorex"), 11 B'way, New York.
Defiance Machine Works, Defiance, O.
Hauck Mfg. Co., 100 11th, Brooklyn, New York
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Lindsay W. W. & Co., Inc., Harrison Bldg, Phila., Pa.
MacLeod Co. (Locomotive, Street RR Car & Wagon Tire), 2227 Bogen, Cincinnati, Ohio. *See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), American bldg., Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Tate-Jones & Co., Empire bldg., Pittsburgh, Pa.
Union Machine Co., 183 University av, St. Paul, Minn.
Williams, White & Co., Moline, Ill.

## 5129—Furnaces (Tool Dressing)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York

## 5129a*Furnaces (Tool Hardening)

**CHICAGO FLEXIBLE SHAFT CO.,** 5600 Roosevelt rd., Chicago, Ill.

## 5130—Furnaces (Tube Brazing)

Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York

## 5131—Furnaces (Warm Air)

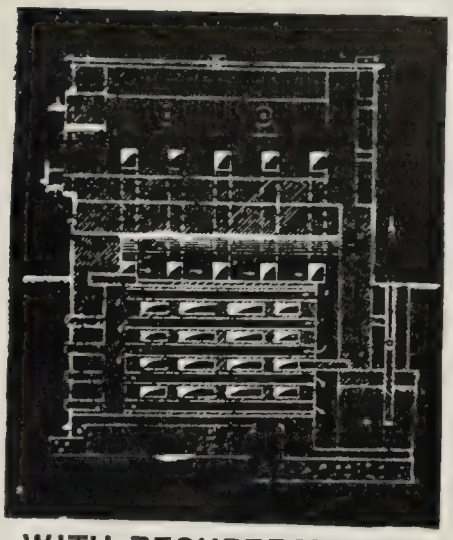
See also Furnaces, Hot Air

Art Stove Co., Russell & Milwaukee, Detroit, Mich.
National Furnace Co., Dayton, O.
Fuller & Warren Co., 256 Water, New York
Standard School Heater Co., 453 N Racine, Chicago, Ill.

## 5132— Furnaces (Welding)

Amsler-Morton Co., Farmers Bank bldg., Pittsburgh, Pa.
Anthony Co. (Flue, etc.), 9 Jackson av, Long Island City, N. Y.
**BEACH-RUSS CO.,** 216-224 B'way, New York. *See adv index at end of book*
Best W. N., Inc. ("Calorex"), 11 B'way, New York.
Blaw Knox Co., Freeport rd, Hoboken, N. J.
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
**DEMPSEY H. B. FURNACE CO.,** Postal Telegraph bldg., New York.
*See adv index at end of book*


FORGE FURNACES



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H. B. Dempsey Furnace Co.
Postal Telegraph Bldg. N. Y.


Ferguson Furnace Co., Toledo, Ohio.
**FLINN & DREFFEIN CO.** (Gas & Oil), 431 S Dearborn, Chicago, Ill.
*See adv index at end of book*
Gilbert & Barker Mfg. Co. ("Gilbert & Barker") Springfield, Mass.
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), American bldg., Baltimore, Md.
Rockwell W. S. Co. (Flue, Tubes, etc.), 50 Church, New York.
*See adv index at end of book*
Surface Combustion Co., 368 Gerard av, New York
Tate-Jones & Co., Empire bldg., Pittsburgh, Pa.

## 5133—Furnaces (Welding, Regenerative)

Lindsay W. W. & Co., Inc., Harrison bldg. Phila., Pa.
MacLeod Co., 227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), American bldg., Baltimore, Md.
Rockwell W. S. Co., 50 Church, New York.
*See adv index at end of book*
Tate-Jones & Co., Empire bldg., Pittsburgh, Pa.

## 5134—Furnaces (Wire Baking & Annealing)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Best W. N. Inc. ("Calorex"), 11 B'way, New York
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Metals Production Equipment Co., Springfield, Mass.
Monarch Engineering & Mfg. Co. ("Steele-Harvey," "Monarch," "Simplex," "Monarch-Rockwell"), American bldg. Baltimore, Md.
Morgan Construction Co., Worcester, Mass.
**ROCKWELL W. S. CO.,** 50 Church, New York. *See adv index at end of book*
Surface Combustion Co., 366 Gerard av, New York

FURNACES (WIRE BAKING & ANNEALING)—continued

Vaughn Machinery Co. (Tube or Retort Annealing or Tempering; Steel Plate Die Annealing), Cuyahoga Falls, O.
*See adv index at end of book*

Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.

## 5135—Furnaces (Wood Burning)

See also Furnaces, Hot Air, Manufacturers

Dean Walter R., Oakham, Mass.
Hart & Crouse Co., Utica, N. Y.
International Heater Co., Utica, N. Y.
Lennox Furnace Co., Marshalltown, Ia.
Majestic Co., Huntington, Ind.
Miller Furnace Co., Grand Rapids, Mich.
Monroe Foundry & Furnace Co., Monroe, Mich.
Schill Bros. Co. (Wood or Coal), Crestline, O.
Wood & Bishop Co., Bangor, Me.

## 5136— Furnaces (Zinc)

**ELECTRIC FURNACE CO. (THE)**, Alliance, O. *See adv index at end of book*
**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 Broadway, New York.
*See adv index at end of book*

## 5137— Furniture (Bamboo)

Boston Bamboo Co., 117 Portland, Boston, Mass.
Klein Bros. (Japanese) Paynstar av, Long Island City, N. Y.
Meinecke Mfg. Co., Richards, Milwaukee, Wis.
Minneapolis Bedding Co., E Henn av & S E 5th, Minneapolis, Minn.
West Branch Novelty Co., Milton, Pa.

## 5138— Furniture (Barbers')

Chisholm Co., 178 Centre, New York
Collins T. J. Furniture Co., Toledo, O.

## 5139— Furniture (Camp)

A. B. C. Mfg. Co., Kansas City, Mo.
Abercrombie David T. Co., 17 Warren, New York
Auto Bed Camp Mfg. Co. (Beds for Autos & Cabs), 1504 Grand av, Kansas City, Mo.
Auto Bed Co., Bellingham, Wash.
Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Gold Medal Camp Furniture Mfg. Co. (Folding Beds, Cots, Tables, Stools, Tents, etc), Racine, Wis.
Hettrick Mfg. Co., Toledo, O.
Kenyon R. S. Co., Waukesha, Wis.
Stanley Wm. W. (Canvas Cases for Outfits), 50 Church, New York
Stonebridge C. H. Mfg. Co. (Beds & Folding Tables), 23 Warren, New York

## 5140—Furniture (Church & Lodge)

See also Seating, Veneer

Adams & Kelly Co., Omaha, Neb
Alexander R., 197 Island av, E, Minneapolis, Minn.
Allen Blaisdell Co., 12 Pearl, Boston, Mass.
Allen Chair Co., Concord Junction, Mass.
American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.
American Seating Co. (Seating, etc), 14 E Jackson blvd, Chicago, Ill.
Andrews A. H. Co. (Seating, etc), 107 S Wabash av, Chicago, Ill.
Bent G. W. Co. (Cushions & Kneeling Stools), 93 Causeway, Boston, Mass.
Budde & Weis Mfg. Co., Jackson, Tenn.
Carr, Ryder & Adams Co., Dubuque, Ia.
Carter Mfg. Co., Keokuk, Ia.
Chicago Mission Furniture Co., 1919 Clybourn av, Chicago, Ill.
Farley & Loetscher Mfg. Co. (Altars & Railings, Pulpits, Pew), Bodies & Fronts), Dubuque, Ia.
Fond du Lac Church Furniture Co., Fond du Lac, Wis.
Geissler R., 56 W 8th, New York
Globe Furniture Co., Ltd., Northville, Mich.
Hackner E. Co. (Altars, Pulpits, Statuary, etc), La Crosse, Wis.
Henderson-Ames Co. (Lodge), Kalamazoo, Mich.
Huntington Seating Co., Huntington, W. Va.
Hyde-Murphy Co. (Seats, Pulpits, Pew Ends, etc), Ridgway, Pa.
Indiana Lumber & Mfg. Co., South Bend, Ind.
Kaaz Mfg. Co. (Church Only), Atchison, Kan.
Kundtz Theodor Co., Winslow & Elm, Cleveland, O.
Lamb J. & R., 25 6th av, New York
Lausberg & Macke, Louisville, Ky.
Mascheroni Jos., 2172 Clybourn av, Chicago, Ill.
Minneapolis Office & School Furniture Co., 801 S E 8th, Minneapolis, Minn.
Mitchell Robert Furniture Co., 616 Race, Cincinnati, O.
Moore Mfg. Co., Springfield, Mo.
N. J. School & Church Furniture Co., Trenton, N. J.
Pratt Amasa Co., Lowell, Mass.
Readsboro Chair Co., Readsboro, Vt.
Retting Furniture Co. (Lodge Only), Grand Rapids, Mich.
Rilling J. E. & Co., 107 34th, Milwaukee, Wis.
Rowles E. W. A., Co., 2345 S La Salle, Chicago, Ill.
Salisbury Wood-Working Co., Salisbury, Md.
Sanford Sash & Blind Co. (Pews), Sanford, N. C.
Shaw Furniture Co., Cambridge, Mass.
Southern Seating & Cabinet Co., Jackson, Tenn.
Stafford E. H. Mfg. Co., 218 S Wabash av, Chicago, Ill.
Standard Mfg. Co., Appleton, Wis.
Stephens Thos & Sons (Inc.), Albany, N. Y.
Thomas & Co., Worcester, Mass.
Tiffany Studios (Special Designs), 361 Madison av, New York
Tiffin Mfg. Co. (Pews, Pulpits, Altars, Altar Railings, etc), Tiffin, O.
Washington Mfg. Co., Tacoma, Wash.
Weber C. F. & Co., 365 Market, San Francisco, Cal.

## 5141— Furniture (Costumers')

Erie Art Metal Co. (Metal), Erie, Pa.
Stevenson Co. (Pins, Wooden), South Bend, Ind. *See adv index at end of book*

## 5142—Furniture (Dental & Surgical)

American Cabinet Co., Two Rivers, Wis.
American Metal Furniture Co., Indianapolis, Ind.
Art Metal Construction Co. (Sheet Steel), Jamestown, N. Y.
*See adv index at end of book*
Aseptic Hospital Supply Co., 92 Fulton, Brooklyn, N. Y.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Harvard Co., Canton, O.
Safety First Supply Co. (Surgical), 107 Third av, Pittsburgh, Pa.

## 5143—Furniture for Public Buildings

Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
**ART METAL CONSTRUCTION CO.** (Metallic), Jamestown, N. Y.
*See adv index at end of book*
Budde & Weis Mfg. Co., Jackson, Tenn.
Derby Desk Co., Somerville, Mass.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Duker Otto & Co., Fleet & Albemarle, Baltimore, Md.
Farley & Loetscher Mfg. Co. (Desks, Railings, Benches, Cabinets, etc.), Dubuque, Ia.
Fielder & Allen Co. (Dealers), Atlanta, Ga.
Fridman Lumber Co. (Office & Court House), New Richmond, O.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Hein Furniture Co., Toledo, O.
Hospital Supply Co., 153 E 23rd, New York
Matthews Bros. Mfg. Co., 61 4th, Milwaukee, Wis.
Mitchell Robert Furniture Co., 616 Race, Cincinnati, O.
Mowday David Y (Est. of) (Leather Covered), Norristown, Pa.
Nedrow Mfg. Co., Caledonia, N. Y.
Phoenix Furniture Co. (Court House, etc), Eau Claire, Wis.
Revell A. H. & Co., 141 S Wabash av, Chicago, Ill.
Rilling J. E. & Co., 107 34th, Milwaukee, Wis.
Southern Seating & Cabinet Co., Jackson, Tenn.
Stafford E. H. Mfg. Co., 218 S Wabash av, Chicago, Ill.
Tiffany Studios (Special Designs), 361 Madison av, New York
Watson Mfg. Co. (Steel), Jamestown, N. Y.
Wollaeger Mfg. Co., 28 Juneau av, Milwaukee, Wis.

## 5144—Furniture (Garden & Conservatory)

Anchor Building Co., Elizabeth, N. J.
Cincinnati Cement Products Co., 2016 Dana av, Cincinnati, O.
Galloway Terra Cotta Co. (Terra Cotta), 3216 Walnut, Phila., Pa.
Kraus J. C., Cast Stone Wks, Inc., 363 Lexington av, New York
North Shore Ferneries Co., Beverly, Mass.
Whitman Studios, 900 Oxford, Phila., Pa.

## 5145— Furniture (Hospital)

Alberene Stone Co., 223 E 23d, New York
American Metal Furniture Co. (Aseptic), Indianapolis, Ind.
Art Metal Construction Company (Steel), Jamestown, N. Y.
*See adv index at end of book*
Art Metal Products Co., 514 S Green, Chicago, Ill.
Aseptic Hospital Supply Co., 92 Fulton, Brooklyn, N. Y.
Bernstein Mfg. Co. (Also All Kinds of Apparatus & Supplies), 3d & Alleghany, Phila., Pa.
Betz Frank S. Co., Hammond, Ind.
Columbus Aseptic Furniture Co., Columbus, O.
Dougherty H. D. Co. ("Faultless"), 17th & Indiana av, Phila., Pa.
Humane Restraint Co., Madison, Wis.
Inner-Braced Furniture Co., Elkhart, Ind.
Reid Bros., 585 Mission, San Francisco, Cal.
Reid Bros., Seattle, Wash.
Richardson, Wright & Co., 65 Beverly, Boston, Mass.
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Sargent Mfg. Co., Muskegon, Mich.
Scanlan-Morris Co., Madison, Wis.
Simmons Co. (Beds Only), Kenosha, Wis.
Smith & Davis Mfg. Co., 20th & Locust, St. Louis, Mo.
White Steel Sanitary Furniture Co., Grand Rapids, Mich
Wocher Max & Son Co., 19 W 6th, Cincinnati, O.

## 5145a— Furniture (Household)

Southern Chair Co. (Chairs, Rockers), High Point, N. C.
White River Chair Co. (Rockers), Brattleboro, Vt.

## 5146—Furniture (Knocked Down)

Bockstege Furniture Co. (Tables, etc), Evansville, Ind.
Cron L. C. & W. L. Co., Piqua, O.
Humphrey-Widman Bookcase Co. (Bookcases), Kirby & 14th Detroit, Mich.
Imperial Furniture Co. (Tables, etc), Grand Rapids, Mich.

## 5147—Furniture (Lawn & Porch)

See also Settees & Chairs, Lawn

Appleton Toy & Furniture Co. ("Appleton" Porch Furniture), Appleton, Wis.
Crocker Chair Co. (Porch Chairs & Settees), Sheboygan, Wis.
Fall Creek Mfg. Co., Mooresville, Ind.
Fortier Theo. (Stone Lawn Vases), 1971 B'way, Brooklyn, N. Y.
Gendron Wheel Co. (Porch), Toledo, O.
Goshen Mfg. Co., Goshen, Ind.
North Shore Ferneries Co., Beverly, Mass.
Pratt Mfg. Co., Coldwater, Mich.
Southern Chair Co. (Porch), High Point, N. C.
Steinfeld Bros. (Hardwood), 116 W 32d, New York
Sun Mfg. Co. (Also Camp), Columbus, O.

## 5148— Furniture (Metallic)

See also Bank & Office Fixtures, Metallic

Andrews A. H. Co. (Chairs, Stools, Tables etc), 107 S Wabash av, Chicago, Ill.

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## ART METAL CONSTRUCTION COMPANY

JAMESTOWN, N. Y.


**ART METAL CONSTRUCTION CO.** ("Art Metal" Office, Pantry, Chiffoners, Bureaus, Side Boards), Jamestown, N. Y *See adv index at end of book*
**Art Metal Products Co., 514 S Green, Chicago, Ill.**
Bernstein Mfg. Co., 3d & Alleghany, Phila., Pa.
**Budde & Weis Mfg. Co., Jackson, Tenn.**
Canton Art Metal Co., Canton, O.
Celina Specialty Co. (Chairs, Stools, Tables, etc), Celina, O.
Chicago Wire Chair Co. (Wire or Metal **Chairs, Tables, Stools, etc), 619 N La** Salle av, Chicago, Ill.
Cleveland Metalcraft Co., E 71st & Belt Line, Cleveland, O.
**Dexter Metal Mfg. Co. (Office, etc), 93 Arch, Camden, N. J.**
Edwards O. M. Co., Inc. ("Edwards" Steel), Syracuse, N. Y.
Fielder & Allen Co. (Dealers), Atlanta, Ga.
**Fireproof Furniture & Constr. Co., Miamisburg, O.**
General Fireproofing Co. (Office), Youngstown, O.
Library Bureau, 43 Federal, **Boston,** Mass.
Metal Office Furniture Co. (Office), Grand Rapids, Mich.
**National Safe & Lock Co. (For Express** Companies), 2341 E 69th, Cleveland, Ohio
Penn Construction Co., Marietta, Pa.
**Pick Albert & Co., 212 W Randolph, Chicago, Ill.**
**Royal Metal Furniture Co.,** 125 8th, Brooklyn, N. Y.
**Royal Metal Mfg. Co. (Weatherproof** Chairs, Tables, Stools, etc), 2318 S **Western av, Chicago, Ill.**
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**Steel Fixture Mfg. Co., Topeka, Kan.**
Steel Furniture Co., **Grand Rapids, Mich.**
Toledo Metal Furniture Co. ("Uhl" Art Steel, for Office Equipment, etc), Toledo, O.
Universal Steel Cabinet Co., 2026 Pacific, B'klyn, N. Y.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Yesbera Mfg. Co. (Tables, Chairs & Stools for Stores), Toledo, O.

### 5148a— Furniture Novelties

See Also Desk Mfrs., Filing Cabinets and Devices, Bank and Office Fixtures
Browne Morse Co., Muskegon, Mich.
Dietzgen Eugene Co. (Draughting Room), 166 W Monroe, Chicago, Ill.
White River Chair Co., Brattleboro, Vt.

### 5148b— Furniture (Office)

**COBURN TROLLEY TRACK MFG. CO.,** P. O. Box 127, Holyoke, Mass.

### 5149—Furniture (Post Office)

See also Bank & Office Fixtures, **Metallic**
Art Metal Construction Co., Jamestown, N. Y.
*See adv index at end of book*
**Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.**
Federal Equipment Co., Carlisle, Pa.
Keyless Lock Co., Indianapolis, Ind.
**Nedrow Mfg. Co., Caledonia, N. Y.**
**Standard Mfg. Co., Appleton, Wis.**
Wollaeger Mfg. Co., 28 Juneau av, Milwaukee, Wis

### 5149a— *Furniture (Printers')

Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*

### Furniture (Printers' Wood)

See Printers' Wood Furniture

### 5150—Furniture (Rattan & Reed)

**Bailie Basket Co., 82 Sudbury, Boston, Mass.**
**Bishop & Dickinson, Baldwinsville, Mass.**
**Burdett Chair Mfg. Co., Keene, N. H.**
Burrowes E. T. Co. ("Luxfibre"), Portland, Me.
**Capital Rattan Co., Indianapolis, Ind.**
**Carriage & Toy Co. (Chairs & Tables), 741 W Lombard, Baltimore, Md.**
Chicago Reed Ware Co. (Reed), 1523 Carrol av, Chicago, Ill.
**Dickerman J. A., Gardner, Mass.**
Ehlers Robt. J. Co., 110 W 40th, New York
**Ficks Reed Co., 424 Findlay, Cincinnati, O.**
**Gendron Wheel Co., Toledo, O.**
**Hartshorn C. H., Gardner, Mass.**
**Heywood Bros. & Wakefield Co., Gardner, Mass.**
**Jansen Ed., 110 W 18th, New York**
**Jenkins-Phipps Co., Wakefield, Mass.**
**Kelly Bros., Gardner, Mass.**
**Kurtz N. M. Rattan Co., 155 Valencia, San Francisco, Cal.**
**Lattimer W. H. & Sons (Reed), Orwell, N. Y.**
**Mays Rattan Works, 3347 N Clark, Chicago, Ill.**
Minneapolis Baby Carriage Co., 506 11th, Minneapolis, Minn.
**New England Reed Co., 11a Green, Boston, Mass.**
Rich Bros., 7 E Pratt, Baltimore, Md.
**Ryan Rattan Chair Co., Grand Rapids, Mich.**
**Theise Fred. Mfg. Co., 176 Commercial, Boston, Mass.**
**Virgin J. M. & Son, Saco, Me.**
**Whitney Reed Corp., Leominster, Mass.**
**Withrow Mfg. Co., 2227 Spring Grove av, Cincinnati, Ohio**
**Ypsilanti Reed Furniture Co. (Reed), Ionia, Mich.**

### 5151— Furniture (School)

**Allen-Blaisdell Co. (Portable Wood Folding), 12 Pearl, Boston, Mass.**
**Allen Chair Co. (Settees, Folding Chairs, etc), Concord Junction, Mass.**
**American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.**
**American Seating Co. (Automatic Desks, Seats, etc), 14 E Jackson blvd, Chicago, Ill.**
**Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.**
**Beckley-Cardy Co., 312 W Randolph, Chicago, Ill.**
**Caxton School Supply Co., 560 W Monroe, Chicago, Ill.**
Chicago Missouri Furniture Co., 1919 Clybourn av, Chicago, Ill.
**Cleveland Seating Co., Rose bldg, Cleveland, O.**
**Columbia School Supply Co., Indianapolis, Ind.**
**Grand Rapids School Equipment Co. (Manual Training Equipment), Grand Rapids, Mich.**
**Haney School Furniture Co., Grand Rapids,** Mich.
**Harwood's H. J. Sons (Hall & Tablet Arm Chairs), 107 Friend, Boston, Mass.**
**Heywood Bros. & Wakefield Co., Gardner, Mass.**
Illinois Refrigerator Co., Morrison, Ill.
Illinois School Furniture Co. (Pupils & Teachers' Desks, Bookcases & Map Cases), Rockford, Ill.
**Kundtz Theodor Co., Winslow & Elm,** Cleveland, O.
Langslow, Fowler Co., Rochester, N. Y.
**Lattig-Shimer Mfg. Co. (Movable School** Desks), Bethlehem, Pa.
Manitowoc Church Furniture Co., Waukesha, Wis
Minneapolis Office & School Furniture Co., 801 S E 8th, Minneapolis, Minn.
Moore Mfg. Co., Springfield, Mo.
Murray L. A. & Co., Kilbourn, Wis.
N. J. School & Church Furniture Co., Trenton, N. J.
Peabody School Furniture Co., N Manchester, Ind.
Peter & Volz Co., Arlington Heights, Ill.
Readsboro Chair Co., Readsboro, Vt.
Richmond School Furniture Co., Muncie, Ind.
Rowles E. W. A. Co., 2345 S La Salle, Chicago, Ill.
**Sherwood Co., 1856 W 14th, Chicago, Ill.**
Southern Desk Co., Hickory, N. C.
**Stafford E. H. Mfg. Co., 218 So Wabash** av, Chicago, Ill.
**Standard Mfg. Co., Appleton, Wis.**
**Superior Seating Co., Muskegon, Mich.**
**Weber C. F. & Co., 365 Market, San Francisco, Cal.**
**Winnebago Furniture Mfg. Co., Fond du** Lac, Wis.
**Woodruff & Edwards Co. (Desks, etc),** Elgin, Ill.

### 5151a—*Furniture Upholstery Materials

Chase L. C. Co. ("Leatherwove" & "Velmo" Fabrics), 89 Franklin, Boston, Mass. *See adv index at end of book*

### 5152— Furniture (Willow)

Boston Willow & Willowcraft Shops, Cambridge, Mass
Burrowes E. T. Co. ("Luxfibre"), Portland, Me.
**Heywood Bros. & Wakefield Co., Gardner,** Mass.
Grand Rapids Fibre Furn Co., Grand Rapids, Mich.
**Jenkins-Phipps Co., Wakefield, Mass.**
Klauenerg Hugo, Berkeley, Cal.
**Pahlow Reed & Willow Mfg. Co., 132 W. 27th, New York**
Rattan Mfg. Co. (Tables & Settees), New Haven, Conn.
**Willow Furniture Co., 625 W 42d, New** York

## 5153—Furring & Lathing (Iron)

Berger Mfg. Co. ("Pronglock" Furring), Canton, O.
**Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.**
**Dennis J. B., Monadnock bldg, San Francisco, Cal.**
**General Fireproofing Co. (Steel), Youngstown, O.**
**Goldsmith Metal Lath Co. ("Shurbond"), 53 Central av, Cincinnati, O.**
Voss Fred'k, 552 W Monroe av, Chicago, Ill.

## 5154-5— Fuse Links.

Appleton Electric Co. (Open), Wellington & Paulina, Chicago, Ill.
Condit Electrical Mfg Co. ("Shawmut"), 1st & L, Boston, Mass.
Economy Fuse & Mfg Co. (Economy "Drop Out"), Greenwich av at Diversey Parkway, Chicago, Ill.
*See adv index at end of book*
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Richards-Wilcox Mfg. Co. ("Richards" Fire Door), Aurora, Ill.
Underwriters, Hatch Door Co. (For Fire Doors), 1741 Walnut, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## Fuse (Railway Signal)

**See Torpedoes & Fuses, Railway Signal**

## 5156— Fuse (Safety)

Atlas Powder Co., 140 N Broad, Phila., Pa.
Du Pont (E. I.) De Nemours & Co., Wilmington, Del.
Giant Powder Co., San Francisco, Cal.
*See adv index at end of book*
**HERCULES POWDER CO.,** Wilmington, Del. *See adv index at end of book*

## 5156a— Fuse Wire

**See also Fuses, Enclosed, Indicating; also Fuses, Miscellaneous, Electric**

**CHICAGO FUSE MFG. CO.,** Laflin & 15th, Chicago, Ill. *See adv index at end of book*
Economy Fuse & Mfg. Co., Greenwich av at Diversey Parkway, Chicago, Ill.
*See adv index at end of book*
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 5156b— *Fuselages

Empire Art Metal Co., Inc., The, College Point, L. I., N. Y.

## 5157—Fuses (Enclosed, Indicating)

Bryant Electric Co. (Electric), Bridgeport, Conn.
Bussman Mfg. Co., 3819 N 23d, St. Louis, Mo.
Chelton Elec. Co., Stenton & Rockland, Phila., Pa.
**CHICAGO FUSE MFG. CO.** ("Union"), Laflin & 15th, Chicago, Ill.
*See adv index at end of book*
Columbia Machine Works & Malleable Iron Co. ("N-W," Renewable & Standard), Atlantic av & Chestnut, Brooklyn, N.Y.
Commercial Enclosed Fuse Co., Hoboken, N. J.
Conduit Electrical Mfg. Co. ("Shawmut"), (Sole Selling Agents for Chase-Shawmut Co.), 1st & L, Boston, Mass.
Conn. Elec. Mfg. Co., Bridgeport, Conn.
D & W Fuse Co. ("D & W" Cartridge or Plug Type), Hathaway, Providence, R. I.
Daum A. F. Elec. Fuse Co. ("Daum"), 1157 Hodgkins, Pittsburgh, Pa.
**DELTA-STAR ELECTRIC CO.** ("S. & C." High Tension, Carbon-Tetrachloride, for all Voltages), 2433 Fulton, Chicago, Ill.
Detroit Fuse & Mfg. Co. ("Arkless"), 1400 Rivard, Detroit, Mich.
Economy Fuse & Mfg. Co. ("Economy" "Arkless" Renewable Cartridge Fuse), Greenview av at Diversey Parkway, Chicago, Ill.
*See adv index at end of book*
Elec. Fuseguard Co., 60 Shipman, Newark, N. J.
Federal Sign System, 8700 S State, Chicago, Ill.
GENERAL ELECTRIC CO. (Renewable, Plug, Link, Glass & Tube, Schenectady, N. Y. *See adv index at end of book*
Great Western Re-Fillable Fuse Co., 326 3d, Pittsburgh, Pa.
Harvard Elec. Co., 525 W Van Buren, Chicago, Ill.
Ideal Fuse Co., 149 2d, San Francisco, Cal.
Johns-Manville H. W. Co. ("Noark"), Madison av & 41st, New York
Johns-Pratt Co., The ("Noark"), Hartford, Conn.
Killmark Elec. Mfg. Co., 3940 Easton, St. Louis, Mo.
Kirkman Engineering Corp. ("K. E."), 237 Lafayette, New York
Metropolitan Engrg. Co.,1250 Atlantiv av, B'klyn, N. Y.
Monarch Refillable Fuse Co., 147 Leslie, Buffalo, N. Y.
Motor Protector Mfg Co (Syn Thermal) 111 Kearny, San Francisco, Cal.
Oettinger, F. W. Corp, 70 E 45th, New York
Pacific Elec. Mfg. Co., 827 Folsom, San Francisco, Cal.
Railway & Industrial Engrg. Co., Peoples Bk. bldg, Pittsburgh, Pa.
Reliable Elec Co. (Automobile), 411 S Sagamon, Chicago, Ill.
Schweitzer & Conrad, 4431 Ravenswood av, Chicago, Ill.
Snow E. W. & Co., Rochester, N. Y.
Star Fuse Co., 290 Church, New York
Trumbull-Vanderpoel Elec. Mfg. Co., Bantam, Conn.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 5158—Fuses (Miscellaneous, Electric)

See also Fuzes Electric

Ajax Electric Co., 56 Baldwin av, Jersey City, N. J.
Brady Electric Mfg. Co., New Britain, Conn.
Bryant Electric Co. ("Pyrotite"), Bridgeport, Conn.
Central Telephone & Elec. Co. ("Gilgen"), 310 N 11th, St. Louis, Mo.
**CHICAGO FUSE MFG CO.** ("Union"), Laflin & 15th, Chicago, Ill.
*See adv index at end of book*
Condit Electrical Mfg. Co.. ("Shawmut" Sole Selling Agents for Chase-Shawmut Co.), 1st & L, Boston, Mass.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Detroit Fuse & Mfg. Co. ("Arkless"), 1400 Rivard, Detroit, Mich.
Economy Fuse & Mfg Co. ("Economy" & "Arkless"), Greenview av & Diversy Parkway, Chicago, Ill.
*See adv index at end of book*
Electric Engineers Equipment Co. (High Voltage), 711 Meridian, Chicago, Ill.
Electric Sales Co., 67 E Gay, Columbus, Ohio
Faw J H., Inc. (Auto "Fawsco"), 27 Warren, New York
Freeman E. H. Electric Co., Trenton, N. J.
Hartwig Wm. J. Co., 205 E Jefferson, Detroit, Mich.
Harvard Electric Co. ("Standard," "Greer"), 525 W Van Buren, Chicago, Ill.
Helio Mfg. Co., 2530 N Broad, Phila., Pa.
Johns-Pratt Co., The ("Noark"), Hartford, Conn.
Kirkman Engineering Corp. ("K. E."), 237 Lafayette, New York
Lafayette Electric & Mfg. Co., Lafayette, Ind.
Line Material Co. (Inside, Primary & Secondary), South Milwaukee, Wis.
Metropolitan Engrg Co. (Open Link), 1250 Atlantic av, B'klyn, N. Y.
McIntire C. Co., 35 Vesey, Newark, N. J.
Nagel-Chase Mfg. Co., 154 E Erie, Chicago, Ill.
Paiste H. T. Co., ("H. & L."), 3201 Arch, Phila., Pa.
Schutz Mfg. Co. (Open Link), 3225 Ravenswood av), Chicago, Ill.
Schweitzer & Conrad, Inc. (High Potential), 4431 Ravenswood av, Chicago, Ill.
Sears Henry D. ("Weber" Plug), 80 Boylston, Boston, Mass.
Snow E. W. & Co., Rochester, N. Y.
Walker Elec Co. (Open Link), 2337 Callowhill, Phila, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Wooley, Douglas, W. 1170 B'way, New York
Worcester Electric & Mfg. Co., Worcester, Mass.

## 5158a—Fuses (Non-Renewable)

Economy Fuse & Mfg. Co. ("Economy"), Greenview av at Diversy Parkway, Chicago, Ill. *See adv index at end of book*

## 5158b—Fuses (Plug Renewable)

Economy Fuse & Mfg Co. ("Economy"), Greenview av at Diversy Parkway, Chicago, Ill. *See adv index at end of book*

## 5159—Fuses (Refillable Cartridge)

Ackley Brake & Supply Corp. ("Monarch"), 50 Church, New York
Daum A. F. Electric Fuse Co. ("Daum"), 1157 Hodgkiss, Pittsburgh, Pa.
Economy Fuse & Mfg. Co. ("Economy"), Greenview av at Diversy Parkway, Chicago, Ill. *See adv index at end of book*
Monarch Refillable Fuse Co., 147 Leslie, Buffalo, N. Y.
Moss-Schiery Mfg. Co., Inc., Majestic bldg, Detroit, Mich.

## 5159a— Fuses (Renewable)

Chicago Fuse Mfg. Co., 1014 W Congress, Chicago, Ill. *See adv index at end of book*
Economy Fuse & Mfg Co. ("Economy"), Greenview av. at Diversy Parkway, Chicago, Ill.
*See adv index at end of book*

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Efficiency Electric Co. (Plug), E Palestine, Ohio

## 5160-1— Fuses (Telephone)

Central Telephone & Electric Co., 310 N 11th, St. Louis, Mo.
Cook, Frank B. Co., 326 W Madison, Chicago, Ill.
Hall F. B. (Mica), Newton Falls, Ohio
Reliable Electric Co., 411 S Sangamon, Chicago, Ill.
Western Electric Co., 463 West, New York

## 5162— *"Fyberoid"

**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del.
*See adv index at end of book*

## 5163— Gadders

**INGERSOLL-RAND CO.,** 11 B'way, New York *See adv index at end of book*
Sullivan Machinery Co., Peoples Gas bldg, Chicago, Ill.

## 5164— Gaffs (Clincher)

Marble Arms & Mfg. Co. ("Marble" for Fish from ½ to 20 lbs), Gladstone, Mich.

## Gages

See Gauges

## 5165— Gaggers

Calumet Steel Co. (Deformed Steel Bars), 208 S La Salle, Chicago, Ill.
**Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.**
**Franklin Core Rod & Gagger Co. ("Franklin" Twisted Steel for Foundrymen), Franklin, Pa.**
**FISHEL & MARKS CO.,** ft of Krokow av, Cleveland, O. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.

**"Union" Renewable and Non-Renewable Fuses**

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**Chicago :: :: :: New York**

## 5166— Gall Cure

Bickmore Gall Cure Co., Old Town, Me.

## 5167— Galleries (Riding)

See also Carousels, Organs, Etc

Herschell-Spillman Co., N Tonawanda, N. Y.
Parker C. W. ("Carry-US-All"), Leavenworth, Kans.

## 5167a— *Galley Equipment

American Standard Shipfittings Corp., 115 B'way, New York
*See adv index at end of book*

## 5168—Galvanized Ware Mfrs.

Central Stamping Co., 172 Fulton, New York
Federal Enameling & Stamping Co., Thompson & Chartiers, Pittsburgh, Pa.
Lisk Mfg. Co., Canandaigua, N. Y.
McLAUGHLIN CO., INC., Brockport, N. Y.
Threthaway Bros., Parsons, Pa.

## 5169—Galvanizing (Cold Process)

Chain Products Co., 3924 Cooper av, Cleveland, O.
Galvanizing Corp. of Am., Inc. ("Standard"), 252 Eagle, Brooklyn, N. Y.
Gray Iron Foundry Co., Reading, Pa.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Kansas City Galvanizing & Mfg. Co., Park & Edgar av, Kansas City, Mo.
Pittsburgh Electro Galvanizing Co., 2624 Smallman, Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence & Bulwer av, St. Louis, Mo.
Two Rivers Plating Works, Two Rivers, Wis.
United States Electro Galvanizing Co. (Plants Installed), 36 Stockton, Brooklyn, N. Y.
Wilmington Electro Plating Co., Wilmington, Del.

## 5170—Galvanizing (Dry Process)

Globe Machine & Stamping Co. (Sherardizing), 1250 W 76th, Cleveland, O.

## 5171— Galvanizing (Electro)

Cheney S. & Son, Manlius, N. Y.
Consolidated Engineering Co., Jacksonville, Fla.
Fries A. G. Plating Co., 200 Terrace, Buffalo, N. Y.
Moyer-Shaw Mfg. Co., 234 E Hancock, Detroit, Mich.
Rattan Mfg. Co. (Custom), New Haven, Conn.
Rockford Bolt Co., 60 Mill, Chicago, Ill.
U. S. Hame Co., Buffalo, N. Y.

## 5172—Galvanizing (Hot Process)

Abendroth & Root Mfg. Co. (One Bath, 2 ft 6 in x 4 ft 0 in x 23 ft 0 in), Newburgh, N. Y.
*See adv index at end of book*
Brooklyn Galvanizing & Mfg. Co., 120 Liberty, New York
Cincinnati Galvanizing Co., McMicken av & Tafel, Cincinnati, O.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Beach & Ball, Phila., Pa.
Galvanized Products Co., Phillipsburg, N. J.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Hanlon-Gregory Galvanizing Co., 24th & A V R R, Pittsburgh, Pa.
Kansas City Bolt & Nut Co. (1 Kettle 20 ft x 24", x 36" & 12½ ft x 30" x 36"), Kansas City, Mo.
McLAUGHLIN CO., INC., Brockport, N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Galvanizing Co., 1918 Carroll av, Chicago, Ill.
Pittsburgh Galvanizing Co., 26th & R. R., Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Rogers Bros., Batavia, Ill.
St. Louis Screw Co., Clarence & Bulwer av, St. Louis, Mo.
SCAIFE WM. B. & SONS CO., First Natl. Bk. bldg, Pittsburgh, Pa., & 26 Cortlandt, New York.
*See adv index at end of book*
Standard Galvanizing Co., 2619 W Vanburen, Chicago, Ill.
Two Rivers Plating Works, Two Rivers, Wis.
Wilcox, Crittenden & Co., Inc., 444 S Main, Middletown, Conn.
*See adv index at end of book*

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## 5173—Galvanizing Plants (Complete)

CUTTER & WOOD SUPPLY CO. (Cold Process), 77 Pearl, Boston, Mass.
*See adv index at end of book*
Meaker Co. ("Meaker" Process), 1249 Fulton, Chicago, Ill.
National Galvanizing & Plating Equipment Corp., 52 B'way, New York
Pittsburgh Electro Galvanizing Co., 3624 Smallman, Pittsburgh, Pa.
Wilfong Millard F., Iron Works Co., 52nd & Gray's av, Phila., Pa.

## 5174— Galvanizing Works

See also Tinning & Japanning

American Foundry & Mfg. Co., Frederick, Md.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Galvanizing Co., 3300 Grays Ferry av, Phila., Pa.
Angell Neil & Chaplet Co., 2657 E 79th, Cleveland, O.
Bethlehem Steel Co., So Bethlehem, Pa.
Bird Wm. E., 17 Border, Boston, Mass.
Boston Galvanizing Works, 121 W 1st, Boston, Mass.
Buffalo Galvanizing & Tinning Works (Also Tinning), 49 Jackson, Buffalo, N. Y.
Buhl Stamping Co. (Also Tinning), Scotten & M. C. R. R., Detroit, Mich.
Cattle Jos. P. & Bro., Gaul & Adams, Phila., Pa.
Central Stamping Co., 174 Fulton, New York
Chicago Hardware Foundry Co., N Chicago Ill.
Cincinnati Galvanizing Co., McMicken av & Tafel, Cincinnati, O.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Coonley Mfg. Co., Cicero, Ill.
Cuyler & Mohler, 611 William, Baltimore, Md.
Daggett Galvanizing & Plating Co., Syracuse, N. Y.
Detroit Range Boiler & Steel Barrel Co., 619 24th, Detroit, Mich.
Detroit Valve & Fittings & Detroit Brass Works, Wyandotte, Mich.
Devlin Thos. Mfg. Co., 3rd & Lehigh av, Phila., Pa.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Empire Galvanizing Co., 2507 E Cumberland, Phila., Pa.
Finn Jno. Metal Works, 384 2nd, San Francisco, Cal.
Florida Metal Products Co., Jacksonville, Fla.
Ford & Johnson Chair Co., 801 S Wabash, Chicago, Ill.
Fries A. G. Plating Co. (Electro Galvanizing), 200 Terrace, Buffalo, N. Y.
Galvanized Products Co., Phillipsburg, N. J.
GEUDER, PAESHKE & FREY CO. (Hot Process), 1314-1700 St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Gregory Thomas Galvanizing Works, 261 N Henry, Brooklyn, N. Y.
Hanlon-Gregory Galvanizing Co., 24th & A. V. R. R., Pittsburgh, Pa.
Hassall John (Inc.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Hill Jas. Mfg. Co., 52 Westfield, Providence, R. I.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
J. C. H. Galvanizing Co., 1110 N Front, Phila., Pa.
Jersey City Galvanizing Co., 74 Morgan, New York
Kansas City Bolt & Nut Co., Kansas City, Mo.
K. C. Galvanizing & Mfg. Co., Kansas City, Mo.
KOVEN L. O. & BRO., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lanz M & Sons, 2907 Carson, Pittsburgh, Pa.
Laughlin Thos. Co., Portland, Me.
Lefferts' Galvanizing Works, 508 E 20th, New York
McLAUGHLIN CO., INC, Brockport, N. Y

GALVANIZING WORKS—continued

Malleable Iron Fittings Co., Branford, Conn.
Marine Hardware-Equipment Co. (To Order), South Portland, Me.
Meaker Co., 1249 Fulton, Chicago, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Murphy P. H. Co., East St. Louis, Ill.
National Enameling & Stamping Co., 411 5th av, New York
National Galvanizing Co. (Hot Process), 1918 Carroll av, Chicago, Ill.
Neptune Hardware Mfg. Co., 29 Murray, New York
New England Bolt Co., Everett, Mass.
Palmer & De Mooy Foundry Co., 1658 Leonard, N W, Cleveland, O.
Pfeiffers John Plating Works, Syracuse, N. Y.
Pittsburgh Electro Galvanizing Co., 2624 Smallman, Pittsburgh, Pa.
Pittsburgh Galvanizing Co., 26th & R. R., Pittsburgh, Pa.
Ritter-Conley Co. (All kinds), Oliver bldg, Pittsburgh, Pa.
Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.
Rochester Stamping Co., Rochester, N. Y.
Rogers Bros. Galvanizing Works, Rockford, Ill.
St. Louis Mall. Casting Co., 7701 N Conduit av, St. Louis, Mo.
San Francisco Galvanizing Wks., 1176 Harrison, San Francisco, Cal.
SCAIFE WM. B. & SONS CO., First Natl. Bk. bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Standard Galvanizing Co. (Hot Process), 2619 W Vanburen, Chicago, Ill.
Standard Plating Works, York, Pa
Tower Mfg. Co., Madison, Ind.
United States Electro-Galvanizing Co., 36 Stockton, Brooklyn, N. Y.
Vail Galvanizing Plant, 211 Commercial, Boston, Mass.
Watrous Acme Mfg. Co., Des Moines, Ia.
White Mountain Freezer Co. (Also Tinning), Nashua, N. H.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc. (& Tinning), Middletown, Conn.
*See adv index at end of book*
Wilmington Electro Plating Co., Wilmington, Del.
Witt Cornice Co., 2118 Winchell av, Cincinnati, O.
Wrightsville Hardware Co. (Castings, etc), Wrightsville, Pa.

## 5175—Galvanizing & Tinning Plants (Wire Mill)

Morgan Construction Co., Worcester, Mass.
Vaughn Machinery Co., Cuyahoga Falls, O
*See adv index at end of book*

## 5176—Galvano-Bronze Work

Jackson Wm. H. Company, 2 W 47th, New York
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*

## 5177— Galvanometers

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*
Hercules Powder Co., Wilmington, Del.
*See adv index at end of book*

## 5178—Galvanometers & Bridges

Century Electrical Co., Syracuse, N. Y.
Foote, Pierson & Co. ("Delta"), 160 Duane, New York
Knott L. E. Apparatus Co. (D'arsonvol Type for Demonstration, also Individual), 79 Amherst, Cambridge, Mass.
Leeds & Northrup Co. ("Kelvin," "D'Arsonvall," Galvanometers & "Kohlrausch," "Carey-Foster," "Hoopes" Bridges), 4901 Stenton av, Phila., Pa.
Manufacturers & Inventors Electric Co., 29 Gold, New York
Pyrolectric Instrument Co., Trenton, N. J.
Reliance Instrument Co., 1313 Moorman, Chicago, Ill.
Roller-Smith Co. ("Roller-Smith"), 233 B'way, New York
Thompson-Levering Co. ("Peerless"), 325 Arch, Phila., Pa.
Weston Electrical Instrument Co. (Galvanometers only), Waverly Park, Newark, N. J.
Wilson-Maeulen Co. ("Unipivot"), 511 E 145th, New York

## 5179— Gambier

Androvette & Townsend (Cube & Common), 235 Water, New York
Bauer Philip Co., 25 W Broadway, New York
Bredt F. & Co., 240 Water, New York
*See adv index at end of book*
Carleton & Moffat (Imp), 80 Maiden la, New York
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Whittemore-Wright Co. (Cube), Charlestown, Boston, Mass.
Worden Chemical Works (Imp), 4 Cedar, New York

## 5179a— Gambrels

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5180— Gambrels (Hog)

Piqua Handle & Mfg. Co, P. O. Box 307, Piqua, O.
STILES H. A. & CO., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5180a— Games (Wood)

Basic Mfg. Co., Wilmington, Del.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5181-2— Gang Rippers

American Woodworking Machy Co. Rochester, N. Y.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Garland M. Co., Bay City, Mich.
Standard Saw Mill Machinery Co., Erie, Pa.
Union Iron Works, Bangor, Me.
United States Machine Co., Williamsport, Pa.

## 5183—*Ganistor Stone

Kier Fire Brick Co., Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*

## 5184—Garages (Portable Fireproof)

Aladdin Co., Bay City, Mich.
Anchor Corrugating Construction Co., 140 Washington, New York
Ashley Steel Bldg. Co., Inc., 1790 B'way, New York
Baker W. J. Co., Newport, Ky.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Butler Mfg. Co. (Steel), Kansas City, Mo.
Candler Geo. V. Co., 1092 Jefferson av, Detroit, Mich.
Canton Metal Ceiling Co. ("Ready-Bilt"), Canton, O.
Case Mfg. Co., Jackson, Mich.
Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Dixie Culvert & Metal Co., Atlanta, Ga.
Duluth Corrugating & Roofing Co., Duluth, Minn.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Harry O. K. Steel Co., 2333 Papin, St. Louis, Mo.
Holzer R. S. (Est of) (All Metal, Also Permanent Metal Buildings), New Orleans, La.
International Steel & Iron Co., Evansville, Ind.
Karr Portable House Co., 2554 W Irving Pk. blvd, Chicago, Ill.
MARTIN STEEL PRODUCTS CO. (Jiffy-Bilt" Steel), Mansfield, Ohio
Metal Shelter Co., S Wabasha, St. Paul, Minn.
Milwaukee Corrugating Co. ("Porto" Metal), Milwaukee, Wis.
Moeschl-Edwards Corrugating Co., Covington, Ky.
Moore Mfg. Co., Waterloo, Ia.
North Dakota Metal Culvert Co., Fargo, N. D.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Pinyoun F. C. & Son, 2526 Carnegie av, Cleveland, O.
Priggen Geo. H. Co., 318 Dover, Boston, Mass.
Pruden C. D. Co. ("Prudential"), Dock & Warner, Baltimore, Md.
Ready Built Home Co., Mystic, Conn.
St. Paul Roofing Cornice & Ornament Co., St. Paul, Minn.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Taylor Mfg. Co., 219 Glenridge av, Montclair, N. J.
Truscon Steel Co., Youngstown, Ohio

## 5185—Garbage Burners (Water Heating)

Andrews Heating Co., Minneapolis, Minn.
Brand Chas. F., 16th & Jacob, Wheeling, W. Va.
Garrett W. D. & Co., 126 Liberty, New York
Herbert Boiler Co., 140 Root, Chicago, Ill.
Illinois Malleable Iron Co., 1801 Diversey blvd., Chicago, Ill.
Kewanee Boiler Co. ("Kewanee"), Kewanee, Ill.
Prox Frank Co., Terre Haute, Ind.
Toledo Incinerator Co., Toledo, O.

## 5186—Garbage Disposal Plants

See also Sewage Disposal Plants; also Burners—Refuse
American Reduction Co., 1942 Forbes, Pittsburgh, Pa.
Atkinson-Morse Destructor Co., 71 8th av, New York
BARTLETT C O. & SNOW CO., Fall st, Cleveland, O.
*See adv index at end of book*
Boiler Efficiency Engineers, Manhattan bldg., Chicago, Ill.
*See adv index at end of book*

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Buffalo Engine Co. (Machinery for), Buffalo, N. Y.
Cragin M. J. (Combined Garbage Crematory & Hot Water Heater), 746 E 43d, Chicago, Ill.
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Decari Incinerator Co., McKnight bldg, Minneapolis, Minn.
Domestic Laundry Equipment Corp. (Household Purposes), 224 W 26th, New York
Guardian Gas Appliance Co. ("Economy"), 3409 Superior, Cleveland, O.
Harris Municipal Garbage Incinerator & Steam Generator Co. ("Harris"), Nashville, Tenn.
Jarvis Engng. Co., 261 Franklin, Boston, Wash.
Kerner Incinerator Co. ("Kerner" Incinerator for Residences), 596 Clinton, Milwaukee, Wis.
KUTZTOWN FOUNDRY & MACHINE CO., 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
McCall Incinerator Co., Memphis, Tenn.
McInnes Chas. E. & Co., Mariner & Merchants' bldg, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Morse-Boulger Destructor Co., 39 Cortlandt, New York
Nightingale Co. ("Ricketts" Incinerators), 103 Park av, New York
Odorless Construction Co., 130 Park av, New York
Penna. Construction Co., Marietta, Pa.
Prescott J. B. & Son ("Pyrofuse"), Webster, Mass.
Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.

Sanitary Appliance Co., 39 Cortlandt, New York
Stearns E. C. & Co. ("Incinerite," "Portable & Wall), 450 Oneida, Syracuse, N. Y.
Toledo Incinerator Co., Toledo, O.

## Gas Acetylene

See Acetylene

## 5187—Gas Analysis Apparatus

American Meter Co., 3112 N 17th, Phila., Pa.
Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
Bausch & Lomb Optical Co., Rochester, N. Y.
Boiler, Efficiency Engineers, Manhattan bldg, Chicago, Ill.
*See adv index at end of book*
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
**ELECTROLABS CO.,** 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
Greiner Emil Co. ("Orsat," "Hempel's"), 55 Fulton, New York
Griffin John J. & Co., 1513 Race, Phila., Pa.
Hays Jos. W. Corp, ("Hays"), Michigan City, Ind.
Mono Corp. of America ("Mono"), Coal & Iron Exchange bldg, Buffalo, N. Y.
Pierce Wm. B. Co., 40 N Division, Buffalo, N. Y.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
Sargent E. H. & Co. ("Morehead's Gas-Burette & "Wm. Brady's" Gas Filter), 166 E Superior, Chicago, Ill.
Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.
Simonds G. L. & Co. ("Hays"), 230 S La Salle, Chicago, Ill.
Uehling Instrument Co. ("Uehling"), 71 B'way, New York
**VULCAN FUEL ECONOMY CO.,** 828 B Transportation bldg, Chicago, Ill.

## 5188—Gas Apparatus for Fuel & Illuminating Gas

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Braun-Knecht-Heimann Co. (Referee) 576-584 Mission, San Francisco, Cal.
**GAS ENGINEERING CO.,** Trenton, N. J.
*See adv index at end of book*
Wagner Bros. Co., 763 N Water, Milwaukee, Wis.
**WESTERN GAS CONSTRUCTION CO.,** Fort Wayne, Ind.

## 5189— Gas Bags (Rubber)

Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
**Goodrich B. F. Co., Akron, O.**
Mattson Rubber Co., Lodi, N. J.
Miller Rubber Co., Akron, O.
Parker-Stearns & Co. ("Alpha" Gas, Ice, etc), 286 Sheffield av, Brooklyn, N. Y.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co. (Ice, Gas, Syringe, Water, etc), Andover, Mass.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## Gas Burners

See Burners, Acetylene Gas

## 5190— Gas (Carbonic Acid)

Bronx Carbonate Co., 934 E 165th, New York
Chicago Carbonic Gas Co., 904 W Superior, Chicago, Ill.
Clarke Chemical Co., Wickliffe, O.
Crescent City Carbonate Co., Celeste & Religious, New Orleans, La.
General Carbonic Co., Bridge, Albany, N. Y.
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
Los Angeles Carbonic Co., 514 Molino, Los Angeles, Cal.
Nebraska Carbonic Acid Gas Co., Omaha, Neb.
N. Y. Carbonate Co., 1401 Park av, New York
Ohio Chemical & Mfg. Co., 1177 Marquette, Cleveland, O.
**Pacific Carbonic Gas Co., ft 6th av, Oakland, Cal.**
**Pure Carbonic Co., 2008 S Canal, Chicago, Ill.**
Schneible C. A., Esq., 132 E 121st, New York
**Western Carbonic Gas Co., Agnew, Cal.**
**Western Chemical Mfg. Co. (Liquid), Denver, Colo.**

## 5191— Gas Composimeters

Uehling Instrument Co. ("Uehling"), 71 B'way, New York

## 5191a—Gas Cylinders (Seamless)

Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## Gas Fixtures

See Electric & Gas Light Fixture Manufacturers

## 5192—Gas Fixtures (Acetylene)

Davis Acetylene Co., Elkhart, Ind.

## 5193—Gas Fixtures (Wrought Iron)

Bradley & Hubbard Mfg. Co., Meriden, Conn.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
Haack Louis, 619 10th av, New York
Henry-Bonnard Bronze Co., 20 Exchange pl, New York

## 5194— *Gas Flow Meters

**GENERAL ELECTRIC CO., Schenectady.**
*See adv index at end of book*

## 5195-6— Gas Holders

Bartlett-Hayward Co., Scott & McHenry, Baltimore, Md.
Camden Iron Wks., Camden, N. J.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Cruse-Kemper Co., Ambler, Pa.
Davis & Farnum Mfg. Co., Waltham, Mass.
Deily & Fowler Mfg. Co., 39 Laurel, Phila., Pa.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
**GAS ENGINEERING CO.,** Trenton, N. J.
*See adv index at end of book*
Hamler Boiler & Tank Co., 3906 S Halsted, Chicago, Ill.
Heilman Boiler Works, Allentown, Pa.
**PITTSBURGH-DES MOINES STEEL CO.** (Steel), 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Stacey Bros. Gas Construction Co., Sta. P Cincinnati, O.
Tippett & Wood, Phillipsburg, N. J.
**WESTERN GAS CONSTRUCTION CO.,** Fort Wayne, Ind.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 5197— Gas (Hydro-Carbon)

Carbon-Hydrogen Co., of America, Benedum-Trees bldg, Pittsburgh, Pa.

## Gas (Oxygen)

See Oxygen

## Gas Plants Installed

See Gas Works Apparatus & Construction

## Gas Portables

See Electric & Gas Light Portables

## 5198— Gas Producers

Akerlund & Semmes, Inc., 17 Battery pl., New York
American Gas Engine Co. ("Weber" Suction), Kansas City, Mo.

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**Backus Water Motor Co. (Suction), 171 Penna. av, Newark, N. J.**
Camden Iron Wks., Camden, N. J.
**Ceramic Supply & Construction Co. ("Richardson"), Columbus, O.**
**Chapman Engineering Co. ("Chapman" Rotary), Mt. Vernon, O.**
**Clarion Gas Co., Oil City, Pa.**
Climax Machine & Burner Co., 133 3rd av, Newark, N. J.
**Coatesville Boiler Wks., Coatesville, Pa.**
**Columbiana Boiler Co., Columbiana, O.**
**Cox & Sons Co., 5th & Chestnut, Phila., Pa.**
Dixon H. L. Co., Rosslyn rd, Carnegie, Pa.
**Downingtown Iron Works, East Downingtown, Pa.**
**Dubois Iron Works, Dubois, Pa.**
**Duff Patents Co. ("Duff" & "Bradley" Patents), Frick bldg, Pittsburgh, Pa.**
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
**FLINN & DREFFEIN CO.** (Producer Gas Plants for Fuel & Power), 431 S Dearborn, Chicago, Ill.
*See adv index at end of book*
**Foos Gas Engine Co., 800 Monroe, Springfield, O.**
**GAS ENGINEERING CO.**, Trenton, N. J.
*See adv index at end of book*
**Gas Machinery Co. (Bituminous & Non-Bituminous Coal), 1900 Euclid av, Cleveland, O.**
Holcroft & Co., Book bldg, Detroit, Mich.
**Hettinger Engine Co., Bridgeton, N. J.**
International Clay Machy. Co., Dayton, O.
**KEMP C. M. MFG. CO.** ("Twentieth Century," "Climax," "Kemp System" Naptha Gas Producer for Fuel), 405 E Oliver, Baltimore, Md.
Koppers Co., Union Arcade, Pittsburgh, Pa.
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.**
*See adv index at end of book*
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Milwaukee Reliance Boiler Works, 1102 32nd, Milwaukee, Wis.
**Minneapolis Steel & Machinery Co.** ("Muenzel"), Suction), 2854 Minnehaha av, Minneapolis, Minn.
Morgan Construction Co. ("Morgan Producers Gas Machine"), **Worcester, Mass.**
Munroe R. & Sons Mfg. Corp. (Producers Gas Pipe), **23d & Smallman, Pittsburgh, Pa.**
Nelson Blower & Furnace Co. (Stationary & Marine), Elkins, Boston, Mass.
Otto Engine Mfg. Co., 33rd & Walnut, Phila., Pa.
**Pennsylvania Gas Co., Oil City, Pa.**
**Petroleum Iron Works Co., Sharon, Pa.**
Smith Gas Engineering Co. ("Smith"), Dayton, Ohio
**Standard Gas Power Co., 17 Battery pl., New York**
Steere Engng. Co., Woodward & Horton avs, 1564 Woodward, Detroit, Mich.
**Swindell Wm. & Bros. ("Swindell," for Steel & Iron Works), Jenkins Arcade bldg, Pittsburgh, Pa.**
**Syracuse Industrial Gas Co. (For Anthracite Coal, Complete Plants for Lighting & Pumping, also for Annealing, Tempering, etc), Syracuse, N. Y.**
Toledo Metal Manufacturers Co., Michigan, Toledo, O.
*See adv index at end of book*
United Natural Gas Co., Oil City, Pa.
**WELLMAN - SEAVER - MORGAN CO.** ("Hughes" Mechanical & Hand Poked, Cleveland, O.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, (For Power Plants), **East Pittsburgh, Pa.** *See adv index at end of book*
Wood R. D. & Co. ("Wood," also Plants for Operating Gas Engines), 400 Chestnut, Phila., Pa.
Worthington Pump & Machy. Corp. for Power Plants & Gas Engines), 115 B'way, New York
*See adv index at end of book*

## 5199—Gas Producers (Water Seal)

Amsler-Morton Co., Farmers Bank bldg, Pittsburgh, Pa.
**Chapman Engineering Co., Mt. Vernon, O.**
**Duff Patent Co., Frick bldg, Pittsburgh, Pa.**
**FLINN & DREFFEIN CO.**, 431 S Dearborn, Chicago, Ill.
*See adv index at end of book*
International Clay Machy. Co., Dayton, O.
King Oxygen Co., Hoboken, N. J.
**Laughlin Alex. & Co., Pittsburgh, Pa.**
**Miller W. R. Co., House bldg, Pittsburgh, Pa.**
**Morgan Construction Co., Worcester, Mass.**
**Swindell Wm. & Bros., Jenkins Arcade bldg, Pittsburgh, Pa.**
**Wellman-Seaver-Morgan Co.**, ("Hughes" Mechanical), Cleveland, O.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
***See adv index at end of book***
Wood R. D. & Co. ("Taylor" & "Mond"), 400 Chestnut, Phila., Pa.
Worthington Pump & Machy. Corp. 115 B'way, New York
*See adv index at end of book*

## 5200—Gas Washer, Boiler & Burner (Combined)

**Weimer Machine Works Co., Lebanon, Pa.**

## 5201—Gas Works Apparatus & Construction

**See also Benches, Gas Retort; also Retorts, Gas**

American Gas Construction Co., Newtown, Iowa
**Barlett Hayward Co. (Coal & Water Gas), Scott & McHenry, Baltimore, Md.**
**Connelly Iron Sponge & Governor Co., 327 Fulton, New York**
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
**GAS ENGINEERING CO.**, Trenton, N. J.
*See adv index at end of book*
Gas Machy Co. ("Gasmaco"), 1900 Euclid av, Cleveland, O.
**Improved Equipment Co., 60 Wall. New York**
**Isbell-Porter Co., 46 Bridge, Newark, N. J.**
**Lloyd Construction Co., Detroit, Mich.**
**Phoenix Gas & Improvement Co. ("Janeway"), Harrison bldg, Phila., Pa.**
**Quintard Iron Works Co., 742 E 12th, New York**
**Stacey Bros. Gas Construction Co., Sta. P, Cincinnati, O.**
**Stacey Mfg. Co., Big 4 R. R., Ownship av, Elmwood, Cincinnati, O.**
United Gas Improvement Co., Broad & Arch, Phila., Pa.
**WESTERN GAS CONSTRUCTION CO.**, Fort Wayne, Ind.

## Gas & Electric Light Fixture Mfrs.

**See Electric & Gas Light Fixture Mfrs.**

## 5202-3—Gas & Water Works Supplies.

**See also Cast Iron Pipe Manufacturers, Gas & Water; also Valves, Gate for Water Mains**
**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
**Barnes Mfg. Co., Mansfield, O.**
Behringer Edward A., 98 Park pl, New York
**Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.**
**Cornell & Underhill, Greenwich & Spring, New York**
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
**Drummond M. J. & Co., 51 Chambers, New York**
**Fitts Frank E. Mfg. Co. & Supply Co., 88 Purchase, Boston, Mass.**
**Fox Jno. & Co., 253 B'way, New York**
**Gilchrist Geo. E. Co., 106 High, Boston, Mass.**
**Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.**
Kelly & Jones Co., 135 Water, Pittsburgh, **Pa.**
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**Miller Chas. & Son Co., Utica, N. Y.**
**Mosher Mfg. Co., Dallas, Tex.**
**Mueller H. Mfg. Co., Decatur, Ill.**
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
**National Tube Co., Frick bldg, Pittsburgh, Pa.**
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**


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U. S. A.

S. E. T. Valve & Hydrant Co., 56 Church, New York *See adv index at end of book*

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**STANDARD MANUFACTURING AND SUPPLY CO., 30 N. 4th St., Phila., Pa.**


Rickersberg Brass Co. (Water Works Only), Perkins & E 37th, Cleveland, O.
Simmons John Co., 110 Centre, New York *See adv index at end of book*
Roots P. H. & F. M. Co., Connersville, Ind.
Tay George H. Co., 599 Mission, San Francisco, Cal.
Walworth Mfg. Co., Boston, Mass.

### Gaskets (Aluminum)

See Gaskets, Metallic.

### 5204— Gaskets (Asbestos)

See also Gaskets, Corrugated Copper and Asbestos

For All Other Non-Metallic Gaskets, See Gaskets, Gum, Fibrous, etc.; also Fibre Manufacturers, Hard; also Packing Manufacturers; also Packing, Metallic

Akron Metallic Gasket Co., 142 N. Union, Akron, O. *See adv index at end of book*
American Asbestos Co. (Metallic), Norristown, Pa.
American Washer Works, 178 Centre, New York *See adv index at end of book*
Anchor Packing Co. ("Ankorite"), Lafayette bldg, Phila., Pa.
Asbestos Fibre Spinning Co. (All Kinds), North Wales, Pa.
Asbestos & Rubber Works of America ("Asbestolith"), 58th & B'way, New York
Asbestos & Rubber Works of N. J., Camden, N. J.
Asbestos Textile Co., 233 B'way, New York
**BARWOOD L. J. MFG. CO.** ("Barwood"), 80 Stoneham, Boston, Mass. *See adv index at end of book*
Crandall Packing Co., Palmyra, N. Y.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York *See adv index at end of book*
Durabla Mfg. Co., 114 Liberty, New York
**GASKET SUPPLY CO.** ("Right" Asbestos Metallic-Mill Board & Compressed Sheet), 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
General Asbestos & Rubber Co. ("Garco," "Delta," "Semi-bronze," "Calisbestos"), Charleston, S. C.
Gillen-Chambers Co., Portland, Ore.
Goetze Gasket & Packing Co. ("Goetzerit"), New Brunswick, N. J.
Hollow Center Packing Co., 608 S Dearborn, Chicago, Ill.
Horton F. L. Corp. ("Elektra"), 36 Whittier, Roxbury, Boston, Mass.
Janos Asbestos Co., 26 Cortlandt, New York
Johns-Manville H. W. Co. (Also Rubber), Madison av & 41st, New York
Johns-Pratt Co., The ("Vulcabeston Rope" & "Vulcabeston Red Fibre" Asbestos Moulded), Hartford, Conn.
Keasbey & Mattison Co., Ambler, Pa.
Lindsley Henry A., 1610 W. 116th, Cleveland, O.
Metallo Gasket Co. ("Metallo"), New Brunswick, N. J.

**When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER**

Metric Packing Co., Inc., 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*


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Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
New Jersey Asbestos Co., 1 Water, New York
Phoenisc Spec. Mfg. Co., 48 Duane, New York
Sall Mountain Co., 305 So. La Salle, Chicago, Ill.
Standard Asbestos Co., 75 Fulton, New York
**STANDARD MFG. & SUPPLY CO.**, 30 N 4th, Phila., Pa. *See adv index at end of book*
**STRONG MACHINERY & SUPPLY CO.** ("Strong's" Tisafine), 21 Walker, New York *See adv index at end of book*
U. S. Rubber Co., 1790 Broadway, New York
Vulcan Asbestos Mfg. Co., 95 Broad, New York
**Watson H. F. Co. (Asbestos & Rubber Cloth, Metallic), Erie, Pa.**
Wilder Mfg. Co., 17th & Clinton, St. Louis, Mo.
**Wing J. T. & Co., 19 Woodward av, Detroit, Mich.**

### 5204a—*Gaskets (Asbestos, Copper Combination)

**AKRON METALLIC GASKET CO.**, 142 N Union, Akron, O. *See adv index at end of book*

### Gaskets (Asbestos Metallic)

See Gaskets, Metallic, With the Words Asbestos-Metallic Following Their Name

### 5204b—*Gaskets (Automobile)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass. *See adv index at end of book*


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Send B/P or specifications, naming quantities, and receive our attractive prices by return mail. Prompt service.

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**Stoneham 80, BOSTON, MASS.**


### Gaskets (Copper)

See Gaskets, Metallic

### Gaskets (Corrugated Copper)

See Gaskets, Metallic

### 5204c—Gaskets (Corrugated Copper & Asbestos)

See also Gaskets (Asbestos)

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*
Gasket Supply Co., 1927 Ludlow, Phila., Pa. *See adv index at end of book*
**STANDARD MFG. & SUPPLY CO., 30 No** 4th, Phila., Pa. *See adv index at end of book*
**U. S. INDESTRUCTIBLE GASKET CO.**, Church & Fulton, New York *See adv index at end of book*

### 5204d—*Gaskets (Corrugated & Plain)

See also Gaskets, Metallic

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*

### 5204e— Gaskets (Felt)

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
Booth Felt Co., Inc., 440 19th, Brooklyn, N. Y.
**BRAWLEY T. R.** (Plumbers, Automobile), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Goepel C. K. & Co., 137 E 13th, New York
Star Felt Cutting Co. (Felt), 260 69th, Brooklyn, N. Y.

### 5205—Gaskets (Flexible Fibre)

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*
American Washer Works, 178 Centre, New York *See adv index at end of book*
**DOMINION ASBESTOS & RUBBER CORP.** ("Darcoid"), 154 Nassau, New York *See adv index at end of book*
Endura Mfg. Co. ("Endura" for Oil & Water), 63rd & Eastwick, Phila., Pa.
Fibre Finishing Co. ("Vellumoid"), 73 Tremont, Boston, Mass.

GASKETS (FLEXIBLE FIBRE)—contin'd

**GASKET SUPPLY CO.** ("Right" Vello for Oil, Motor, Grease & Automobile use), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*

Goetze Gasket & Packing Co., New Brunswick, N. J.

National Fibre & Insulation Co., Yorklyn, Del.

## 5205a—Gaskets (For Flanges, Valves & Fittings)

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*

**DOMINION ASBESTOS & RUBBER CORP.** ("Darcoid," "Old Dominion"), 154 Nassau, New York
*See adv index at end of book*

Guillot Metal Gasket & Supply Co., 24 S Clinton, Chicago, Ill.
*See adv index at end of book*

## 5206—Gaskets (Gauge Glass)

**Anchor Packing Co. ("Brooks"), Lafayette bldg, Phila., Pa.**

Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*

Gilbert & Co. ("Acme" Bulb), Hyattsville, Md.

**Norwalk Mfg. Co. (Rubber), E Norwalk, Conn.**

**U. S. Indestructible Gasket Co., Church & Fulton, New York.**
*See adv index at end of book*

## 5207—Gaskets (Gum, Fibrous, Etc.)

**See also Gaskets, Asbestos; also Gaskets, Metallic, Etc.**

American Washer Works, 178 Centre, New York *See adv index at end of book*

**AKRON METALLIC GASKET CO.** ("Akronite" Compressed Asbestos Sheet Packing Gaskets), 142 N Union, Akron, O. *See adv index at end of book*

**Anchor Packing Co. ("Ankorite," "Tauril"), Lafayete bldg, Phila., Pa.**

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham, 80, Boston, Mass.
*See adv index at end of book*

Bay State Belting Co. (Rubber), 349 Congress, Boston, Mass.

**Bishop Gutta-Percha Co. (Gutta Percha), 420 E 25th, New York**

**Boston Belting Corp. (Rubber), 84 Linden Park, Boston, Mass.**

Brandt Randolph (Combination Rubber & Heavy Duck, High Pressure), 70 Cortlandt, New York

Brawley T. R., 275 20th, Brooklyn, N. Y.
*See adv index at end of book*

**Burgmann Feodor (Imp.), 26 Cortland, New York**

**Canfield H. O. Co. (Rubber), Bridgeport, Conn.**

**Cincinnati Rubber Mfg. Co. (Rubber), Cincinnati, O.**

**Combination Rubber Mfg. Co. (Rubber), Bloomfield, N. J.**

Dealers Steam Packing Co., Palmyra, N. Y.

**DOMINION ASBESTOS & RUBBER CORP.** ("Darcoid"), "Dominion," "Sovereign"), 154 Nassau, New York
*See adv index at end of book*

**Durabla Mfg. Co. ("Durabla"), 114 Liberty, New York**

**Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.**

Essex Rubber Co., Trenton, N. J.

**Federal Rubber Co., The (Rubber), Cudahy, Wis.**

Garlock Packing Co., Palmyra, N. Y.

**GASKET SUPPLY CO.** ("Right" Red Sheet, Compressed Asbestos Cloth Inserted & Vello Fibre), 1927 Ludlow, Phila, Pa. *See adv index at end of book*

**General Asbestos & Rubber Co. ("Ideal" Red), Charleston, S. C.**

**Goetze Gasket & Packing Co. ("Goetzerit"), New Brunswick, N. J.**

**Goodrich B. F. Co. (Rubber), Akron, O.**

**Gutta Percha & Rubber Mfg. Co. ("Pyramid Brand Bluestone," "Red Jacket" Rubber), 126 Duane, New York**

**Hamilton Rubber Mfg. Co. (Rubber), Trenton, N. J.**

**Hewitt Rubber Co., Buffalo, N. Y.**

**Hodgman Rubber Co. (Rubber), 8 W 40th, New York**

**Hollow Center Packing Co. 608 S Dearborn, Chicago, Ill.**

**Home Rubber Co. (Rubber), Trenton, N. J.**

**Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.**

Jenkins Bros. ("Jenkins-96," "Jenarco," "Oiltite, Magnolia"), 80 White, New

Johnson H. Co. ("Johnson's" With Wire Insertion), ft. Gates av, Jersey City, N. J.

Knowlton Geo. W. Rubber Co. (Rubber), 60 Pearl, Boston, Mass.

Lindsley Henry A., 1610 W 116th, Cleveland, O.

**Manhattan Rubber Mfg. Co. (Rubber), Passaic, N. J.**

**Mechanical Rubber Co. (Rubber), 73 Reade, New York**

**Mercer Rubber Co. (Rubber Cloth Insertion), Hamilton sq, N. J.**

**Mulconroy Co., 54th & Jefferson, Phila., Pa.**

**National India Rubber Co. (Rubber), Bristol, R. I.**

**New Jersey Car Spring & Rubber Co. (Rubber), 91 Brunswick, Jersey City, N. J.**

**New York Belting & Packing Co. (Rubber), 91 Chambers, New York**

**New York Insulated Wire Co. (Lighting Non-Tubular Brand), 84 State, Boston, Mass.**

**Pennsylvania Rubber Co. ("Century," Wire Insertion, Cloth Insertion, Fibrous, Tape, Tubular, Screen Diaphragm, etc.), Jeannette, Pa.**

**Quaker City Rubber Co. ("Regal," "Skihi" & "Ebonite"), 629 Market, Phila, Pa.**

**Republic Rubber Co. (Rubber), Youngstown, O.**

**Revere Rubber Co. (Cloth Insertion, Spliced or Moulded, etc), Chelsea, Mass.**

**Schacht Rubber Mfg. Co., Huntington, Ind.**

**Spanish-Amer. Cork & Spec Co., Westport, Baltimore, Md.**

Standard Mfg. & Supply Co., 30 N 4th, Phila., Pa. *See adv index at end of book*

Strong Machinery & Supply Co. ("Strong's Tisafine"), 21 Walker, New York
*See adv index at end of book*

U.S. Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*

United Globe & Rubber Co. (Rubber), Trenton, N. J.

U. S. Rubber Co., 1790 Broadway, New York

Victor Mfg. & Gasket Co., 5750 Roosevelt rd, Chicago, Ill.

Voorhees Rubber Mfg. Co. ("Nubian" Tubular Rubber), 18 Bostwick av., Jersey City, N. J.

**Walsh Packing Co. (Combination), 304 New, Phila., Pa.**

**Western Rubber Co. (Rubber), Goshen, Ind.**

**Whitehead Bros. Rubber Co. (Rubber), Trenton, N. J.**

**Wilcox E. A. Mfg. Co. (Self Sealing), 6330 Stony Island av, Chicago, Ill.**

## 5208— Gaskets (Hard Fibre)

See also Fibre, Hard

American Washer Works, 178 Centre, New York *See adv index at end of book*

Continental Fibre Co., Newark, Del.
*See adv index at end of book*

**DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshallton, Del.**
*See adv index at end of book*

National Fibre & Insulation Co., Yorklyn, Del.

Standard Mfg. & Supply Co., 30 N 4th, Phila., Pa. *See adv index at end of book*

**WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del.**
*See adv index at end of book*

## 5209— Gaskets (Lead)

See also Gaskets, Metallic

**AKRON METALLIC GASKET CO.** ("Akron" Corrugated & Plain, for Boiler Manholes, Ammonia Fittings, Acid, etc), 142 N Union, Akron, O.
*See adv index at end of book*

American Washer Works, 178 Centre, New York *See adv index at end of book*

Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.

**GASKET SUPPLY CO.** ("Right" Corrugated & Plain for Manhole, Handle Hole, Ammonia Fillings, Acid, etc.), 1927 Ludlow, Phila, Pa.
*See adv index at end of book*

**Goetze Gasket & Packing Co. ("Goetze"), New Brunswick, N. J.**

Guillott Metal Gasket & Supply Co., 24 S Clinton, Chicago, Ill.
*See adv index at end of book*

Lindsley Henry A., 1610 W 116th, Cleveland, O.

**STANDARD MFG. & SUPPLY CO., 30 W 4th, Phila., Pa.**
*See adv index at end of book*

**U. S. Indestructible Gasket Co. (& Alloys), Church & Fulton, New York**
*See adv index at end of book*

**Wilcox E. A. Mfg. Co. (Manhole), 6330 Stony Island av, Chicago, Ill.**

**Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.**

## 5210— Gaskets (Leather)

American Washer Works, 178 Centre, New York *See adv index at end of book*

**BARWOOD L. J. MFG. CO.** ("Barwood") Stoneham, 80, Boston, Mass.
*See adv index at end of book*

Brawley T. R. (Rawhide, etc.), 275 20th, Brooklyn, N. Y.
*See adv index at end of book*

**Chicago Leather & Mercantile Co., 1848 W 14th, Chicago, Ill.**

**Detroit Leather Specialty Co. ("Wear Well"),275 Beecher av, Detroit, Mich.**

**Field, R. B. & Co. ("Fields"), Worcester, Mass.**

**GASKET SUPPLY CO.** ("Right"), 1927 Ludlow, Phila, Pa.
*See adv index at end of book*

Goepel C. F. & Co., 137 E 13th, New York

Goetze Gasket & Packing Co., New Brunswick, N. J.

**Graton & Knight Mfg. Co., Worcester, Mass.**

**Judd & Leland Mfg. Co., Clifton Springs, N. Y.**

Lindsley Henry A., 1610 W 116th, Cleveland, O.

**National Leather Mfg. Co., Niles, Mich.**

**Rockford Leather Washer Co., Rockford, Ill.**

Schieren Chas. A. Co., 30 Ferry, New York

**Sovereign C. E. Co., Rockford, Ill.**

**U. S. Indestructible Gasket Co., Church & Fulton, New York**
***See adv index at end of book***

**Hendricks' Commercial Register**

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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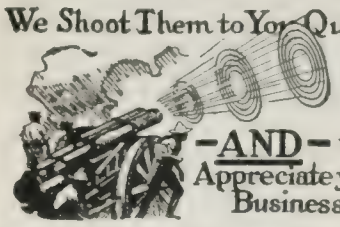

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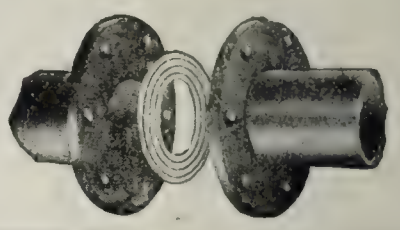



## 5211— Gaskets (Metallic)

For Rubber Gaskets, see Gaskets, Gum, Fibrous, etc; also Gaskets, Asbestos, etc; for Fibre Gaskets, see Fibre Manufacturers, Hard

**AKRON METALLIC GASKET CO.**, ("Akron" Plain & Corrugated Copper, Copper-Asbestos Combination, "Akro-Metal" Gaskets for Superheat, also Gaskets of any Metal), 142 N Union, Akron, O.
*See adv index at end of book*

**American** Asbestos Co. (Asbestos Metallic, Rubbered & Gaskets Without Wire), Norristown, Pa.

**American** District Steam Co. (Corrugated Copper), No. Tonawanda, N. Y.

**Asbestos** & Rubber Works of America ("Asbestos Metallic"), 58th & Broadway, New York

**Asbestos** & Rubber Works of N. J. (Asbestos, Copper), Camden, N. J.

**Beaton** & Cadwell Mfg. Co. (Corrugated Copper, Steel, Brass & Iron), New Britain, Conn.

**Crane** Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*

**Eureka** Co. ("Eureka"), North East, Pa.

**Faul** & Timmins ("Asbesteel"), Buffalo, N. Y.

**Fitzgerald** Mfg. Co. (Asbestos, Copper), Torrington, Conn.

**Flexitallic** Gasket Co., Camden, N. J.

**Franklin** Mfg. Co., Franklin, Pa.

**GASKET SUPPLY CO.** ("Right," Plain or Corrugated Copper, Lead, Brass, Steel, Bronze, Asbestos, Metallic, & Combination of Copper & Asbestos), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*

**Goetze** Gasket & Packing Co. ("Goetze" Plain & Corrugated Copper, Brass, Monel, Steel, Aluminum & Pure Nickel & Phosphor Bronze), New Brunswick, N. J.

Guillott Metal Gasket & Supply Co., 24 S Clinton, Chicago, Ill.
*See adv index at end of book*


Established 1886 "Quality and Service"

**Guillott Metal Gasket & Supply Co.**

24-30 So. Clinton St. Chicago, Ill.

Copper, Lead and Combination Gaskets for all purposes, Engines, Boilers, Flange Fittings, Ice Machines, Pipe Lines and SPECIALTIES

We Are Specialists in Gaskets


**Hill-Smith** Metal Goods Co. (Copper), 82 Brookline av, Boston Mass.

**Hollow** Center Packing Co. (Asbestos-Metallic), 608 S Dearborn, Chicago, Ill.

Hussey C. G. & Co. (Copper), 2850 2d av, Pittsburgh, Pa.

Johns-Manville H. W. Co. ("Asbestos-Metallic"), Madison av & 41st, New York

**McCord** Mfg. Co. ("McKim" Copper-Asbestos, 2587 E. Grand blvd, Detroit, Mich.

Metallo Gasket Co. ("Bethamy"), New Brunswick, N. J.

Metric Packing Co. ("Metric"), 244 Kensington av, Buffalo, N. Y.
*See adv index at end of book*

**Phoenix** Specialty Mfg. Co., 48 Duane, New York

**Simmons** John Co., 110 Centre, New York
*See adv index at end of book*

**Smooth-On** Mfg. Co. (Corrugated Iron), 572 Communipaw av, Jersey City, N. J.

**STANDARD MFG. & SUPPLY CO.**, 30 N 4th, Phila., Pa.
*See adv index at end of book*

**Taunton-New** Bedford Copper Co. (Corrugated Copper), Taunton, Mass.

**U. S.** Indestructible Gasket Co. (Plain & Corrugated Copper, Brass, Steel & Lead), Church & Fulton, New York
*See adv index at end of book*

**U. S.** Mineral Wool Co. (Corrugated Copper), 280 Madison av, New York

Victor Mfg. & Gasket Co., 5750 Roosevelt rd, Chicago, Ill.

**Watson** H. F. Co. (Asbestos), Erie, Pa.

**Wilcox** E. A. Mfg. Co. ("Wilcox," Self-Sealing), 6330 Stony Island av, Chicago, Ill.

## 5211a—Gaskets (Monel Metal)

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*

**Gasket Supply Co.** ("Right"), 1927 Ludlow, Phila, Pa.
***See adv index at end of book***

**STANDARD MFG. & SUPPLY CO.**, 30 N 4th, Phila., Pa.
*See adv index at end of book*

**U. S. INDESTRUCTIBLE GASKET CO.**, Church & Fulton, New York
*See adv index at end of book*

## 5211b— *Gaskets (Nickel)

**U. S. INDESTRUCTIBLE GASKET CO.**, Church & Fulton, New York
*See adv index at end of book*

## 5212— Gaskets (Paper)

American Washer Works, 178 Centre, New York *See adv index at end of book*

**BARWOOD L. J. CO. MFG.** ("Barwood"), Stoneham, 80, Boston, Mass.
*See adv index at end of book*

**Campbell Paper Box Co., South Bend, Ind.**

Fibre Finishing Co. ("Vellumoid"), 73 Tremont, Boston, Mass.

**GASKET SUPPLY CO.** ("Right" Paper, all Shapes & Sizes), 1927 Ludlow, Phila, Pa. *See adv index at end of book*

Goetze Gasket & Packing Co., New Brunswick, N. J.

Lindsley Henry A., 1610 W 116th, Cleveland, O.

Springman Paper Products Co., 75 W Larned, Detroit, Mich.

**STANDARD MFG. & SUPPLY CO.**, 30 N 4th, Phila., Pa.
*See adv index at end of book*

**U. S.** Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*

## Gaskets (Rubber)

See Gaskets, Gum, Fibrous, Etc

# Corrugated Metal Gaskets

With Asbestos Lining

Kinghorn Pattern Pump Valves

Ames Alloy High Pressure Sheet Packing

*Oil and Acid Proof*

**U. S. INDESTRUCTIBLE GASKET CO.**

Fulton and Church Streets New York City

# The Gasket Supply Company

**Manufacturers of**

**"Right" Gaskets and Sheet Packings, "Gasco" Piston Packing, also Stampings, Punches and Dies**

**1927 Ludlow Street, Philadelphia, Pennsylvania**

## "Right" Gaskets Save Power

**GASKETS**
Copper
Steel
Brass
Lead
Asbestos
Rubber
Paper
Fibre

For great durability and maximum efficiency, choose "Right" Gaskets. They prevent power losses, oil and gas leaks by making and maintaining a perfectly tight joint under any pressure. Made for Automobiles, Gas Engines, Locomotives, High Pressure and Superheated Steam conditions and for other system requirements. We are Gasket Specialists, manufacturing them in any shape or size from copper, steel, brass, lead, asbestos, rubber, paper, fibre, leather, monel metal, bronze, tin, zinc, felt, canvas, wood, cork or combinations of these materials to meet any conditions

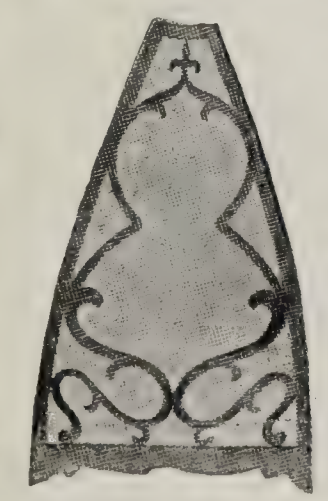
**GASKETS**
Copper Asbestos
Filled
Leather
Monel Metal
Tin
Zinc
Felt
Canvas

### *Gasco Packing*

Super quality and a standard of excellence. Made to serve and earn a repeat order. Our stock includes packing of Asbestos, Rubber, Leather, Flax, Canvas, Compositions, and all other materials in Sheets, Rings, Spirals, Coils, Tucks and Millboard forms. Made for steam, gas, water, acids, brine, ammonia, oils and other purposes in thicknesses suitable for any pressure.

### *"Right" Brand Washers*

We make "Right" Brand Felt Washers and Strips for oil and grease packings and for automobiles. Any shape, size, thickness or degree of hardness. Other "Right" Brand Washers are made of Asbestos, Aluminum, Bronze, Brass, Cork, Cardboard, Copper Duck, Fibre, Felt, Iron, Lead, Leather, Mica, Millboard, Paper, Rubber Steel, Rawhide, Monel Metal, Tin, Wood, Zinc.



### *Metal Stampings*

We are thoroughly equipped for quantity production of Metal Stampings in Brass, Steel, Copper, Lead, Zinc, and other metals. Our facilities enable us to handle the stamping of all parts requiring up to 100 tons pressure. Our list of past work includes Clutch Discs, Clutch Spring Thimbles, Liners, Washers, Poppett Guides, Special Designing and other work. If you need any kind of Stamping, Shaping, Forming, Bending, Drawing or Piercing work done, we should like to quote prices.

## 5213— Gaskets (Steel Corrugated)

**AKRON METALLIC GASKET CO.**, 142 N Union, Akron, O.
*See adv index at end of book*
**AMERICAN SPIRAL PIPE WORKS** (Annealed), Chicago, Ill., & 50 Church, New York *See adv index at end of book*
**GASKET SUPPLY CO.** ("Right," Plain, Corrugated & Smooth-on Coated), 192 Ludlow, Phila., Pa.
*See adv index at end of book*
Standard Mfg. & Supply Co., 30 N 4th, Phila., Pa.
*See adv index at end of book*
**U. S. INDESTRUCTIBLE GASKET CO.**, Church & Fulton, New York
*See adv index at end of book*

## 5213a— Gasoline Hoists

See also Hoists, Gasoline

Fulton Engine Wks., 1000 Alhambra, Los Angeles, Cal.
Garfield Co., 1232 Hearst bldg, San Francisco, Cal.
**D. K. CLUTCH & MACHINERY CO.**, Columbia, Pa. *See adv index at end of book*
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Street Bros., Machine Works, Chattanooga, Tenn.

## 5214—*Gasoline Long Distance (Storage & Pumping Outfits)

**FABRICATED STEEL PRODUCTS CORP.**, Box 505, Leetonia, Ohio
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
*See adv index at end of book*

## 5215— Gasoline Refiners

**ADMIRAL PETROLEUM CO.**, 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Advance Oil Co., Oil City, Pa.
American Oil Works (Ltd.), Titusville, Pa.
Asphaltum & Oil Refining Co., 2475 E 9th, Los Angeles, Cal.
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Cameron Refining Co., Ardmore, Okla.
Camp Harry E., Bradford, Pa
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Central Refining Co., Laurenceville, Ill.
Clarendon Refining Co., Clarendon, Pa.
Consolidated Oil Refining Co., Boatmen's Bank bldg, St. Louis, Mo.
Consumers Refining Co., 76 W Monroe, Chicago, Ill.
Penn. Am. Refining Co., Oil City, Pa.
Cornplanter Refining Division, Warren, Pa.
Craig Oil Co., Toledo, O.
Crystal Oil Works, Oil City, Pa.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Freedom Oil Works Co., Freedom, Pa.
Germania Refining Co., Oil City, Pa.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Gulf Refining Co., Frick bldg Annex, Pittsburgh, Pa.
Highland Oil Co., Clarion, Pa.
Independent Refining Co. (Ltd.), Oil City, Pa.
Indian Refining Co. (Automobile, Stove, etc.), 244 Madison av, New York
Interocean Oil Co., 90 West, New York
Liquified Petroleum Gas Co., Tulsa, Okla.
Louisiana Oil Refining Co., Shreveport, La.
Mid-Co Gasoline Co., Tulsa, Okla.
Miller's Sons Co., Columbus & Preble, Pittsburgh, Pa.
Mills C. E. Oil Co., Syracuse, N. Y.
Mutual Refining Co. (Ltd.), Warren, Pa.
National Refining Co., Rose bldg., Cleveland, O.
Ohio Cities Gas Co., Columbus, O.
Paragon Refining Co., Toledo, O.
Penna. Gasoline Co., Bradford, Pa.
Pennsylvania Paraffine Works, Titusville, Pa.
Petroleum Products Co., 3917 Neville, Pittsburgh, Pa.
Prudential Oil Corp., 17 Battery pl., New York
Pure Oil Co., Lafayette bldg, Phila., Pa.
Red "C" Oil Mfg. Co., Keyser bldg, Baltimore, Md.
Riverside Oil Co., Benedun Tress bldg, Pittsburgh, Pa.
Sinclair Refining Co., Conway bldg., Chicago, Ill.
Sloan & Zook, Bradford, Pa.
Southwestern Oil Corp., Oklahoma, Okla.
Standard Oil Co., 910 S Michigan av, Chicago, Ill.
Standard Oil Co., 26 Broadway, New York
Standard Oil Co. of New York ("Socony"), 555 W 25th, New York
Sun Company, Finance bldg, Phila., Pa.
Sunlight Oil & Gasoline Co., 49th & Gray's av, Phila., Pa.
TEXAS COMPANY ("Texaco"), 17 Battery pl, New York
*See adv index at end of book*
Tidewater Oil Co. ("Tydol"), 11 B'way, New York
Union Oil Co. of California, Union Oil bldg, Los Angeles, Cal.
Union Petroleum Co., Widener bldg, Phila., Pa.
Van Tilburg Oil Co., 2428 University av, Minneapolis, Minn.
Warren Refining Co., Warren, Pa.
WAVERLY OIL WORKS CO. (Stoves & Illuminating Automobile, Gasoline Engines, etc), Pittsburgh, Pa.
*See adv index at end of book*

## 5216—Gasoline Underground Storage & Pumping Outfits

American Oil Pump & Tank Co., Findlay & Dalton, Cincinnati, O.
Beman Automatic Oil Can Co., Ltd., Box 375, Meadeville, Pa.
Bowser S. F. & Co., Ft. Wayne, Ind.
FABRICATED STEEL PRODUCTS CORP., Box 505, Leetonia, O.
*See adv index at end of book*
Heller-Aller Co., Napoleon, O.
Kewanee Private Utilities Co., West Side Kewanee, Ill.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Meurer Steel Barrel Co., Inc., 23 W 43rd New York
Milwaukee Tank Works ("Milwaukee") Fratney & Becker, Milwaukee, Wis.
Richardson-Phenix Co., 131-2nd, Milwaukee, Wis.
SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
*See adv index at end of book*
Sexton Can Co. ("Sexton"), 123 Broad, Boston, Mass.
Star Tank Co., Goshen, Ind.
Stephenson C. H. ("Stephenson"), Lynn, Mass.
Tokheim John J. Co., Cedar Rapids, Ia.

## 5217—Gates (Automatic Drive)

Cyclone Fence Co., Waukegan, Ill.
Guth Gate Co., Waverly, Ohio
Peters David & Son Fence & Gate Co., Homer, Ill.
St. Louis Wire & Iron Co., St. Louis, Mo

## 5217a— Gates (Bin)

Lakewood Engineering Co., Cleveland, O
*See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila. Pa. *See adv index at end of book*
Smith T. L. Co. ("Smith"), 1151 32d, Milwaukee, Wis.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 5218— Gates (Blast)

American Blower Co., 1400 Russell, Detroit, Mich.
Banister A. W. Co., 421 Dorchester av, S Boston, Mass.
Bicalky Fan Co., Buffalo, N. Y.
Buffalo Forge Co., Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Empire Blower & Pipe Co., Rochester N. Y.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.
New York Blower Co., Archer av & Canal, Chicago, Ill.
ROCKWELL W. S. CO., 50 Church, New York. *See adv index at end of book*
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

## 5219— Gates (Bridge)

Buda Co., Railway Exch. bldg, Chicago, Ill.
Pitt Wm. R. Composite Iron Works ("Pitt" Folding), 221 W 26th, New York
Steelite Co., 1902 W 77th, Cleveland, O.

## Gates (Bronze)

See Gates, Ornamental Bronze & Iron

## Gates (Car)

See Car Gates & Guards

## 5220— Gates (Coal Pocket)

LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R. Ry., Phila., Pa.
*See adv index at end of book*
Union Iron Works, Hoboken, N. J.

## 5221—Gates (Concrete Hopper)

Insley Mfg. Co., 3500 E St. Clair, Indianapolis, Ind.

## 5221a—Gates (Day, For Bank Vaults)

HALL'S SAFE CO., P. O. Box 846, Cincinnati, O.
*See adv index at end of book*

## Gates (Driveway & Entrance)

See Gates, Ornamental Bronze & Iron; also Gates, Farm

## 5222-3— Gates (Farm)

Adams E. B. & Son, Racine, Wis.
Adrian Wire Fence Co., Adrian, Mich.
AMERICAN STEEL & WIRE CO. ("American" Steel), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
ANCHOR POST IRON WORKS ("Anchor"), 167 B'way, New York
*See adv index at end of book*
Bayley Wm. Co., Springfield, O.
Cyclone Fence Co. ("Cyclone," Tubular Steel), Waukegan, Ill.
Dwiggins Wire Fence Co., Anderson, Ind.
Eureka Fence Mfg. Co., Richmond, Ind.
Frost Superior Fence Co., E 131st, Cleveland, O.
Gade Bros. Mfg. Co. ("Gade"), Iowa Falls, Ia.
Gade C. L., Iowa Falls, Ia.
Glor Bros. & Willis Mfg. Co. ("New Modern"), Attica, N. Y.
Guth Gate Co. ("Guth" Automatic, Balanced Steel Folding Driveway Gates), Waverly, Ohio
Iowa Gate Co., Cedar Falls, Ia.
Jackson Fence Co., Jackson, Mich.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Fence Mach. Co. (Steel), Kokomo, Ind.
Kokomo Steel & Wire Co. ("Diamond"), Kokomo, Ind.
Mason Fence Co. ("Champion"), Lessburg, O.
Moyer Mfg. Co. (Automatic), Montevideo, Minn.
Page Steel & Wire Co., Adrian, Mich.
Pence Wm. H., Fairfield, Ia.
Portable Elevator Mfg. Co. (White Steel), Bloomington, Ill.
Rowe Mfg. Co. ("Can't Sag"), Galesburg, Ill.
Sheer E. (Self-Closing), Lincoln, Ill.
St. Louis Wire & Iron Co., St. Louis, Mo.
Silo Specialty Mfg. Co. (Steel), Clinton, Ia.
Spring Steel Fence & Wire Co., Anderson, Ind.
Steelite Co., 1902 W 77th, Cleveland, O.
Verdeckberg Iron & Wire Works Co. (Farm Only), Denver, Colo.
Western Steel & Iron Works (Steel), De Pere, Wis.

## 5224— Gates (Folding)

Anchor Post Iron Works, 167 B'way, New York
*See adv index at end of book*

**Barnum E. T., Wire & Iron Works, 864 Woodward, Detroit, Mich.**
**Buffalo Wire Works Co. (Collapsible), 453 Terrace, Buffalo, N. Y.**
*See adv index at end of book*
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Carriage & Toy Co. (Porch & Stair, Wood, 741 W Lombard, Baltimore, Md.
Chapman Wm. O. Co., 30 Church, New York
Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati, Ohio
Cincinnati Mfg. Co., Cincinnati, O.
Columbia Iron & Wire Works Co., Canton, O.
**ESTEY BROS. CO.,** 270 Union av, B'klyn, N. Y. *See adv index at end of book*
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
Howard & Morse, 45 Fulton, New York
Kammen Walter, 3258 Springgrove av, Cincinnati, Ohio
**Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.**
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Loewer John E. Wire & Iron Works Co., 914 Campbell, Kansas City, Mo.
**MEYERS FRED. J. MFG. CO.,** Hamilton, O. *See adv index at end of book*
Norfolk Iron & Wire Works, Norfolk, Va.
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.
*See adv index at end of book*
Pitt Wm. R. Composite Iron Works ("Pitt-Bostwick"), 221 W 26th, New York
Plocher Andrew Sons Co., Dayton, O.
Remppis Wm. F. Co., 226 Spruce, Reading, Pa., & 18th & Filbert, Phila., Pa.
Richmond Safety Gate Co., Richmond, Ind.
**Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.**
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**Standard Iron & Wire Works, Chattanooga,** Tenn.
Steelite Co., 1902 W 77th, Cleveland, O.
Stolz Jos. & Son, Inc., 841 East 136th, New York
**TYLER W. S. CO.** (Collapsible), Cleveland, O., & 200 5th av, New York
*See adv index at end of book*
**Van Dorn Iron Works Co., 2700 E 79th,** Cleveland, O.
Verdeckberg Iron & Wire Works Co., Denver, Colo.
Wickwire Spencer Steel Corp. ("Excelsior"), Worcester, Mass.
*See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## Gates (Hatch, Automatic)

**See Elevator Gates, Automatic**

## 5225— Gates (Lock)

**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg., Chicago, Ill.
*See adv index at end of book*
Independent Bridge Co., May bldg, Pittsburgh, Pa.
**Penn Bridge Co. (Steel), Beaver Falls, Pa.**

## 5226— Gates (Molasses)

Cheney S. & Son, Manlius, N. Y.
**Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.**
**Kraft A. C., 323 W Lake, Chicago, Ill.**
McNab & Harlin Mfg. Co., 55 John, New York
Multiplex Faucet Co. (Brass), St. Louis, Mo.
Rauch Mfg. Co., Galena, Kan.
Sargent & Co. (Oil), New Haven, Conn.
Scoville E. U. Co. ("Perfection"), Manlius, N. Y.
Sommer John Faucet Co. ("Perfection"), 30 Morris av, Newark, N. J.
Stearns E. C. & Co. ("Lockfast" "Scovilles'" Pattern), 450 Oneida, Syracuse, N. Y.
Taylor & Boggis Foundry Co. ("Stebbins"), Cleveland, O.
Weller Hardware & Foundry Co. ("Stebbins"), Horseheads, N. Y.

## 5227— Gates (Ore Bin)

Clark W. J. Co., Salem, O.
**Handy Joshua Iron Works, 75 Fremont,** San Francisco, Cal.
**KENNEDY VAN SAUN MFG. & ENG. CORP.** (Self-Closing & Rack & Pinion), 120 Broadway, New York
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R. Ry., Phila., Pa.
*See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Union Iron Works Co., 20th & Michigan, San Francisco, Cal.**
United Iron Works, Inc., Kansas City, Mo.
**Worthington Pump & Machy. Corp., 115** B'way, New York
*See adv index at end of book*

## 5228— Gates (Ore & Oil)

**Rauch Mfg. Co. (For Mines), Galena, Kan.**
Sommer John Faucet Co. ("Perfection" Oil), 355 Central av, Newark, N. J.

## 5229—Gates (Ornamental Bronze & Iron)

See also Bronze, Architectural, etc.
Also Iron, Architectural & Ornamental

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Anchor Post Iron Works, 167 B'way, New York
*For branch offices see Alphabetical Section*
Art Metal Construction Co. (Also Brass), Jamestown, N. Y.
*See adv index at end of book*
**Bayer-Rothgeb Co., Los Angeles, Cal.**
Bayley Wm. Co., Springfield, O.
Biddle-Gaumer Co., 3846 Lancaster av, Philadelphia, Pa.
Bigelow Cheney Wire Works, Springfield, Mass.
Biggin Charles P. Co., 1829 Harlan, Phila., Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
**Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.** *See adv index at end of book*
**Burkhardt John, 531 W 55th, New York**
Roanoke Iron & Bridge Wks, Roanoke, Va.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
**Chesapeake Iron Works, Westport, Baltimore, Md.**
Cincinnati Iron Fence Co., 330 Spring Grove ave, Chicago, Ill.
**Cincinnati Mfg. Co., Cincinnati, O.**
**Coleman Adelbert E., 336 W 37th, Chicago, Ill.**
**Cornell Iron Works, 26th & 11th av, New York**
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
**Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.**
Cyclone Fence Co., Waukegan, Ill.
Detroit Mausoleum Equipment Works, 75 W Fort, Detroit, Mich.
Enterprise Iron Works, Indianapolis, Ind.
Fiske J. W. Iron Works, 111 Park pl, New York
**Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.**
Gorham Co., Arch'l Bronze, 5th av & 63rd, New York. Works: Providence, R. I.
**Halsted Joseph Co., 1233 W Randolph,** Chicago, Ill.
Hartmann-Sanders Co., 2155 Elston av, Chicago, Ill.
**Hassell Iron Works Co., Colorado Springs,** Colo.
**HEATH J. S. CO.,** Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
**Heath-Johnson Co., 300 W Ontario, Chicago, Ill.**
**Hennecke C. Co., 1353 N. Pierce, Milwaukee, Wis.**
**Henry-Bonnard Bronze Co., 20 Exchange pl, New York**
Herzog Iron Works, St. Paul, Minn.
Howard & Morse, 45 Fulton, New York
**Jackson Wm. H. Company, 2 W 47th, New York**
Kues Bros. Iron Works, 1807 Carter av, New York
**Lafayette Fence Works, Lafayette, Ind.**
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Loewer John E. Wire & Iron Works, 914 Campbell, Kansas City, Mo.
Mansfield Steel Corp., 288 Milwaukee av, East Detroit, Mich.
Manton & Smith Co., 1709 W Austin av, Chicago, Ill.
**MEYERS FRED J. MFG. CO., Hamilton, O.** *See adv index at end of book*
Midland Metal Co., 21st & Jeff'n, Phila., Pa.
Mott J. L. Iron Works, Trenton, N. J.
Mugler's Iron Works, 903 E 135th, New York
Page Steel & Wire Co., Adrian, Mich.
Petit Frank, 809 Master, Phila., Pa.
**Pettier Wire Products Co., Beaver Falls,** Pa.
Pitt Wm. R. Composite Iron Works, 221 W 26th, New York
**Plocher Andrew Sons Co., Dayton, O.**
Remppis W. F. Iron Wks., 226 Spruce, Reading, Pa.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
**Richey, Browne & Donald, Flushing av,** Maspeth, N. Y.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Roanoke Iron Works, Roanoke, Va.
Rolfe Iron Co., 14 N Franklin, Chicago, Ill.
St. Louis Wire & Iron Co., St. Louis, Mo.
**Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.**
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Southwest Wire & Iron Wks. Co., Kansas City, Mo.
**STEELITE CO.,** 1902 W 77th, Cleveland,
Stewart Iron Works Co., Covington, Ky.
Stolz Jos. & Son, Inc. (Driveway), 841 East 136th, New York
Taylor & Dean, Penn av & 25th, Pittsburg, Pa.
Tiffany Studios, 361 Madison av, New York
**TYLER W. S. CO.,** Cleveland, O. & 200 5th av, New York.
*See adv index at end of book*
**Union Foundry Works, 38 S Dearborn, Chicago, Ill.**
United Ornamental Iron Works, 189 W Madison, Chicago, Ill.
**Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.**
Verdeckberg Iron & Wire Works Co., Denver, Colo.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Wells Architectural Iron Co., River av & 151st, New York
West Side Structural Co., Troy, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Williams Jno., Inc., 556 W 27th, New York**
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.
**Wisconsin Iron & Wire Wks., Milwaukee,** Wis.

## 5230-1—Gates (Railway Crossing)

**See also Signals, Railway Crossing**

Anchor Post Iron Wks., 167 B'way New York *See adv index at end of book*
**Buda Co. (Pneumatic & Electric, Crank & Lever), Railway Exchange bldg, Chicago, Ill.**
**Kalamazoo Railway Supply Co. ("Wilson"), Kalamazoo, Mich.**
Keystone Steel & Wire Co., Peoria, Ill.
Pneumatic Gate Co. ("Elliott" Pneumatic), 1921 S Fairfield av, Chicago, Ill.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Shane Furnace & Metal Appliance Co., W Warren av & S Delaware, Denver, Colo.

## Gates (Safety)

**See Elevator Gates, Automatic**

## 5232—Gates (Sewer, Back Water)

Coldwell-Wilcox Co., Newburgh, N. Y.
Edwardsville Brass Co., Edwardsville, Ill.

## 5233— Gates (Shear)

Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.

## 5234— Gates (Sluice)

**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*

SOLE AGENTS IN THE U. S. FOR

SCOTCH
Gauge Glasses

UNIFIC Brand up to 400 Lbs. Steam Pressure
PERTH Brand up to 200 Lbs. Steam Pressure
also REFLEX (Klinger Type)

*Also Dealers in* RAILWAY, MILL and CONTRACTORS' SUPPLIES and EQUIPMENT

**H. A. ROGERS CO., - - 87 Walker Street - - NEW YORK**

GATES (SLUICE)—continued

California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Coast Culvert & Flume Co., Portland (Kenton Sta.), Oregon
*See adv index at end of book*
**Coffin Valve Co., Neponset, Boston, Mass.**
Goldwell-Wilcox Co., Newburgh, N. Y.
**burgh, N. Y.**
Columbian Iron Works ("Columbian"), Chattanooga, Tenn.
De Huff & Hopkins, 1421 Chestnut, Phila., Pa.
**Eddy Valve Co., Waterford, N. Y.**
**Fox Jno. & Co., 253 B'way, New York**
Garrett W. T. & Co., 299 Fremont, San Francisco, Cal.
**Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.**
**Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 90 West, New York**
Pittsburgh Valve, Foundry & Constr. Co., 26th & A. V. R. R., Pittsburgh, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.**
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

## 5235-6— Gates (Steel)

**AMERICAN STEEL & WIRE CO.** ("American," Walk & Single & Double Drive), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
**ANCHOR POST IRON WORKS** ("Anchor"), 167 B'way, New York
*See adv index at end of book*
**Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.**
**Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.**
*See adv index at end of book*

## Gates (Steel Picket)

**See Fences, Iron & Steel Picket**

## 5237-8—Gates (Storage Bin)

**Insley Mfg. Co. (Concrete), 3500 E St. Clair, Indianapolis, Ind.**
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry. Phila, Pa. *See adv index at end of book*
Ransome Concrete Machinery Co. (For Sand, Stone & Concrete), Dunellen, N. J.
Steelite Co., 1902 W 77th, Cleveland, O.

## Gates (Water)

**See Gates, Sluice**

## 5239—Gates & Guards (Bronze Folding

Manton & Smith Co., 1709 W Austin av, Chicago, Ill.
**SMITH, F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.

## 5239a— Gates & Railings

Am. Safety Lamp & Mine Supply Co., Scranton, Pa.
Anchor Post Iron Wks., 167 B'way, New York *See adv index at end of book*
Gorham Co., Architectural Bronze, 5th av & 36th, New York
Steelite Co., 1902 W 77th, Cleveland, O.

## 5239b— Gauge Glasses

Advance Packing & Supply Co. ("Firma," "Advance" Scotch Glass Tubes & Cup Glasses), 54 E Lake, Chicago, Ill.
**Bache, Semon & Co. (Impr, "Maltese Cross," "Eureka" Scotch), 636 Greenwich, New York**
Beaton & Cadwell Mfg. Co. ("Perfection"), New Britain, Conn.
Belfield H. Co. (Sterling Scotch Tubes), 435 N Broad, Phila., Pa.
Breakey L. I. (Fittings), 712 W State, Marshall, Mich.
**Buckeye Iron & Brass Works (Scotch),** Dayton, O.
Chesterton A. W. Co. ("Sonderglass High Pressure Rhenog McGreggor), 64 India, Boston, Mass.
Macbeth-Evans Glass Co., Pittsburgh, Pa.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
**McRAE & ROBERTS CO., 227 Campbell** av, Detroit, Mich.
*See adv index at end of book*
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Pneumercator Co. Inc. (Boiler), 15 Park row, New York
**ROGERS H. A. CO.** (Moncrieff "Perth," Moncrieff "Unific," Moncrieff "Red Line," Moncrieff "Scotch," Moncrieff's "Reflex," Moncrieff's "Prismatic"), 87 Walker, New York
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**SCHAEFFER & BUDENBERG MFG. CO.** ("Resisto," Compound of Jena Glass), Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
**Staniford J. W. & Co., 40 Hanover, Boston, Mass.**
**Star Brass Mfg. Co. (Scotch Gauge** Glasses), 53 Oliver, Boston, Mass.
United Asbestos & Packing Co. (Water), ("Duraco," "Durabestos," "Duroil," "Nuapac"), 619-629 Washington blvd, Chicago, Ill.
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*
**Wiltbonco Mfg. Co., 24 Porter, Boston, Mass.**

## 5240—Gauge Glass Preservers

**Morse R. F. ("Gilbert's" Self Packing), 86 Weybosset, Providence, R. I.**

## 5241—Gauge Glass Protectors

**Ashcroft Mfg. Co., 119 W. 40th, New York**
**Dunn's Service ("Leonhart"), 608 S Dearborn, Chicago, Ill.**
**Gardner Grate Co. ("Igard" Shield & Reflector), 21 Burgess, Boston, Mass.**
Sargent Co. ("Ironclad"), 625 W Jackson blvd, Chicago, Ill.

## 5242—Gauge Glass Reflectors

**Reordway Mfg. & Sales Co., Marquette bldg, Chicago, Ill.**

## 5243-4—Gauge Glass Washers

**Boston Belting Corp., 84 Linden Park, Boston, Mass.**
**Canfield H. O. Co., Bridgeport, Conn.**
**Cincinnati Rubber Mfg. Co., Cincinnati, O.**
**Dominion Asbestos & Rubber Corp., 154 Nassau, New York**
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Empire Tire & Rubber Corp., Trenton, N. J.
Gilbert & Co., Hyattsville, Md.
**Goodrich B. F. Co., Akron, O.**
**Gutta Percha & Rubber Mfg. Co., 126 Duane, New York**
**Home Rubber Co. Trenton, N. J.**
**Jenkins Bros., 80 White, New York**
**Judd & Leland Mfg. Co., Clifton Springs, N. Y.**
**McRAE & ROBERTS CO., 227 Campbell** av, Detroit, Mich.
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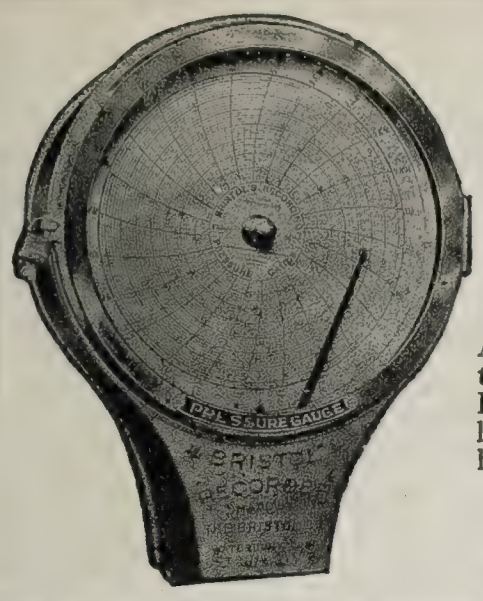
**Mattson Rubber Co., Lodi, N. J.**
**National India Rubber Co., Bristol, R. I.**
**N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.**
**New York Belting & Packing Co., 91** Chambers, New York
**Pennsylvania Rubber Co., Jeannette, Pa.**
**Quaker City Rubber Co. (Rubber), 622 Market, Phila., Pa.**
**Revere Rubber Co., Chelsea, Mass.**
**Rogers H. A. Co. ("Perfected"), 87 Walker,** New York *See adv index at end of book*
**Schacht Rubber Mfg. Co., Huntington, Ind.**
U. S. Rubber Co., 1790 Broadway, New York
**Voorhees Rubber Mfg. Co., 18 Bostwick** av, Jersey City, N. J.
**Whitehead Bros. Rubber Co., Trenton, N. J.**

## Gauge Grinders

See Grinders (gauge)

## 5245— Gauges

See also Specific Article Required
**Corning Glass Works ("Noglare," "Nonex" Headlight Front, Gauge & Colored Standard Signal Glasses), Corning, N. Y.**
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Dayton Lens & Glass Bevelling Wks., 612-614 Washington, Dayton, O.
Diamond Specialty & Supply Co. ("Diamond"), 1225 Arch, Phila., Pa.
Dominion Asbestos & Rubber Corp. ("Darcoid," "Dominion"), 154 Nassau, New York
*See adv index at end of book*
**Hill Pump Valve Co. ("Hill") Archer av,** Canal & 23d, Chicago, Ill.
**JERGUSON GAGE & VALVE CO.** ("Reflex," "Klinger," "Jerguson"), Mystic av & Fellsway, Somerville, Mass.
**Keating E. F. Co. ("Montrose"), 446** Water, New York



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Michigan Machine Co., 85 Porter, Detroit, Mich.
National Gauge & Equipment Co., La Crosse, Wis. *See adv index at end of book*
Schaeffer & Budenberg Mfg. Co., Berry & So. 5th, Brooklyn, N. Y.
*See adv index at end of book*
U. S. Gauge Co., 37 Liberty, New York
*See adv index at end of book*

## 5246—Gauge Testing Apparatus

**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
United States Gauge Co., 37 Liberty, New York *See adv index at end of book*

## 5246a— Gauges (Acetylene)

Welding Supply Co., Inc., 132 Nassau, New York

## 5246b—Gauges (Aeroplane)

Foxboro Co. (The), ("Foxboro"), Foxboro, Mass. *See adv index at end of book*
Precision Instrument Co (Airspeed), 21 Halsey, Newark, N. J.
*See adv index at end of book*
United States Gauge Co., 37 Liberty, New York *See adv index at end of book*

## 5247— Gauges (Air)

**American Steam Gauge & Valve Mfg. Co.,** 208 Camden, Boston, Mass.
**Ashcroft Mfg. Co., 119 W 40th, New York**
**Ashton Valve Co., 161 First, Cambridge,** Mass.
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**Cleveland Steam Gauge Co., 1108 W 9th,** Cleveland, Ohio
Garrison Brass & Machine Works, 107 W 13th, New York
**Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.**
**NATIONAL GAUGE & EQUIPMENT CO.** ("National," "Independent"), La Crosse, Wis.
*See adv index at end of book*
Paxson J. W. Co. (Cupola), 1021 N Delaware av, Phila., Pa.
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
**PRECISION INSTRUMENT CO.** ("2 in 1," "3 in 1," "4 in 1," "5 in 1"), 21 Halsey, Newark, N. J.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
United States Gauge Co., 37 Liberty, New York *See adv index at end of book*

## Gauges (Air Brake)

See Gauges, Steam

## 5248— Gauges (Alarm)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashcroft Mfg. Co. ("Edson"), 119 W 40th, New York
Ashton Valve Co., 161 First, Cambridge, Mass.
**BRISTOL CO.** ("Bristol's Recording & Alarm), Waterbury, Conn., & 114 Liberty, New York
*See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**LUNKENHEIMER CO.** ("Monitor"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.**
Pneumercator Co. Inc., 15 Park row, New York *See adv index at end of book*
U. S. Gauge Co., 37 Liberty, New York
*See adv index at end of book*

## 5248a— Gauges (Altitude)

See also Gauges, Steam

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*

## 5248b— Gauges (Ammonia)

See also Gauges, Steam

**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
National Steam Spec. Co., 16 S Clinton, Chicago, Ill.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*

## 5428c—Gauges (Amplifying)

Am. Gauge Co., Dayton, O.
Davie Tool Co., 1660 E 118th, Cleveland, O.
North Side Tool Co., 17-19 Maryland, Dayton, O. *See adv index at end of book*

## 5249— Gauges (Automobile)

See also Gauges, Air

**Ashcroft Mfg. Co. ("Edson"), 119 W 40th, New York**
Azadian Gauge Mfg. Co. (Pump), Eastwood, N. Y.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Gem Stamped Steel Co. ("Gem"), Chelsea, Mass.
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Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
**NATIONAL GAUGE & EQUIPMENT CO.** ("Independent"), La Crosse, Wis.
*See adv index at end of book*
Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York
Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
**UNITED STATES GAUGE CO.,** 37 Liberty, New York *See adv index at end of book*

### 5250— Gauges (Axle)

Badger State Machine Co. ("Wills" Automatic), Janesville, Wis.

### Gauges (Bar Iron Limit)

See Gauges, Limit

### 5251— Gauges (Barrel)

Hydraulic Press Mfg. Co., Mount Gilead, O.
*See adv index at end of book*

### Gauges (Battery)

See Ammeters & Voltmeters

### 5252— *Gauges (Bench)

**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

### 5253— Gauges (Bit, Auger)

Cincinnati Tool Co. ("Hargrave"), Norwood, Cincinnati, O.
*See adv index at end of book*
Millers Falls Co., 28 Warren, New York
Stanley Rule & Level Co., New Britain, Conn.
Syracuse Twist Drill Co., ("Syracuse"), Borden av, Syracuse, N. Y.

### Gauges (Blast)

See Gauges, Steam

### 5254—Gauges (Blood Pressure)

Tagliabue C. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

### Gauges (Boiler Plate)

See Gauges, Rolling Mill

### Gauges (Bourdon Pressure)

See Gauges, Steam

### 5254a— Gauges (Built Up)

Nelson Tool Co., Inc., 782 E. 142nd, New York

### 5255— Gauges (Butt)

Goodell-Pratt Co. (Comb.), Greenfield Mass.
Stanley Rule & Level Co. (Metallic), New Britain, Conn.
Williams William Jr. ("Reeves"), New Britain, Conn.

### 5256— Gauges (Button)

**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

### 5257—Gauges (Cabinet Makers')

Redin, Ekstrom & Co., Rockford, Ill.

### 5257a—Gauges (Caisson Pressure)

Ashton Valve Co., 179 1st, Boston, Mass.

### 5258— Gauges (Caliper)

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Ibsen & Co., 404 Keefe av, Milwaukee, Wis.
Morse Twist Drill & Machine Co. ("Morse" Adjustable), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
Rogers Jno. M. Wks., Gloucester City, N. J.
Sandow Tool Co., 570 W B'way, New York
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE),** Athol, Mass.
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Williams J. H. & Co. ("Vulcan" Drop Forged, Unfinished), 31 Richards.
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### 5259— Gauges (Carpenters')

Caldwell Mfg. Co. ("Handy" Rule Gauge), 8 Jones, Rochester, N. Y.
Chapin-Stephens Co., Pine Meadow, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.
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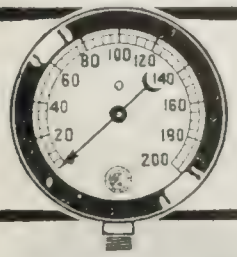
Goodell-Pratt Co. (Roller, Single, Double & Triple Beam), Greenfield, Mass.
Sandusky Tool Co., Sandusky, O.
Stanley Rule & Level Co., New Britain, Conn.
Winsted Edge Tool Works, Winsted, Conn.

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Bullock Mfg. Associates, Springfield, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Swan James Co. ("Swan's" Drawing Knife), Seymour, Conn.

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National Steam Spec. Co., 16 S Clinton, Chicago, Ill.
**PRECISION INSTRUMENT CO.,** 21 Halsey, Newark, N. J.
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**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
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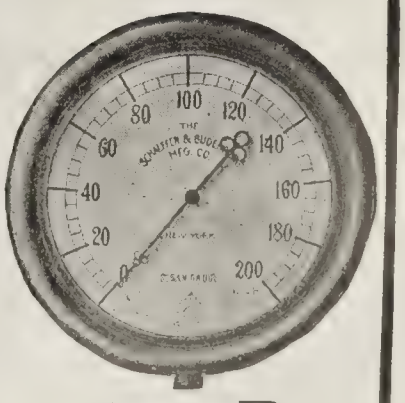


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**Pratt & Whitney Co., Hartford, Conn.**

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**Athol Machine Co. (Graduated), Athol, Mass.**
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**Goodell-Pratt Co., Greenfield, Mass.**
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Reid Bros. Co., Beverly, Mass.
**Sandow Tool Co., 570 W B'way, New York**
**Sawyer Tool Mfg. Co., Ashburnham, Mass.**
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Braun-Knecht-Heimann Co. (Differential), 576-584 Mission, San Francisco, Cal.
**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
Defender Automatic Regulator Co., Howard bldg, St. Louis, Mo.
**Ellison Lewis M. ("Ellison," Differential), 214 W Kenzie, Chicago, Ill.**
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**McNab Co. ("McNab" Steamship), Bridgeport, Conn.** *See adv index at end of book*
**National Gauge Co., 300 Pacific, Brooklyn, N. Y.**
Pierce Wm B. Co., 40 N Division, Buffalo, N. Y.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
**Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.**
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**SCHAEFFER & BUDENBERG MFG. CO.** ("Redline" Differential, U Tube), Berry & S 5th, Brooklyn, N. Y.
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Tagliabue Chas. J. Mfg. Co. (Syphon, also Pressure), 18 33d, Brooklyn, N. Y.
**Taylor Instrument Companies ("Tycos," Rochester, N. Y.**
**Uehling Instrument Co., 71 B'way, New York**
United States Gauge Co., 37 Liberty, New York *See adv index at end of book*
Vulcan Fuel Economy Co., 928B Transportation bldg, Chicago, Ill.

### 5276— Gauges (Draft, Recording)

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Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Precision Instrument Co. ("Dead Beat"), 21 Halsey, Newark, N. J.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO., Berry & S 5th, Brooklyn, N. Y.**
*See adv index at end of book*

### 5276a— *Gauges (Draw)

Osborne C. S. Co. (Leather), Box 183, Newark, N. J. *See adv index at end of book*

### 5277— Gauges (Drill)

**Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.**
**DETROIT TWIST DRILL CO.,** 555 Fort, Detroit, Mich. *See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
**STARRETT L. S. CO. (THE), Athol, Mass.**
*See adv index at end of book*
Union Twist Drill Co., **Athol, Mass.**

### 5278—*Gauges (Drill, Tap & Wire)

**STARRETT L. S. CO. (THE), Athol, Mass.**
*See adv index at end of book*

### 5278a—Gauges (Duplex, Air Brake)

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*

### Gauges (Dynamo & Motor Oil)

See Gauges, Oil

## 5279—*Gauges (Electrically Operated)

**CUTLER-HAMMER MFG. CO.**, 12th & Paul av, Milwaukee, Wis.
*See adv index at end of book*

## 5280—Gauges (Expansion Tank)

Buckeye Iron & Brass Works, Dayton, O.
**McRAE & ROBERTS CO.**, 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Ohio Injector Co., Wadsworth, O.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*

## 5281—*Gauges (Farm Engine)

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.**, Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 5282—*Gauges (Fillet or Radius)

**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 5283—Gauges (Flange Thickness)

Pratt & Whitney Co., Hartford, Conn.

## Gauges (Gas)

See Gauges, Gas Retort

## 5284—Gauges (Gas Recording Pressure)

American Meter Co. ("Kings"), 3112 N 17th, Phila., Pa.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashcroft Mfg. Co. ("Edson"), 119 W 40th, New York
Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
**BRISTOL CO.** ("Bristol's), Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
National Gauge Co., 300 Pacific, Brooklyn, N. Y.
Phoenix Meter Co., Camden, N. J.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
**PITTSBURGH METER CO.** (Pressure & Volume), East Pittsburgh, Pa.
Precision Instrument Co. (SO2 Sulphur Dioxide), 21 Halsey, Newark, N. J.
*See adv index at end of book*
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Uehling Instrument Co., 71 B'way, New York
United States Gauge Co., 37 Liberty, New York *See adv index at end of book*

## 5285—Gauges (Gas Recording Pressure Portable)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**PRECISION INSTRUMENT CO.**, 21 Halsey, Newark, N. J.
*See adv index at end of book*

## 5286— *Gauges (Gas Retort)

See also Pyrometers

**SCHAEFER & BUDENBURG MFG. CO.**, Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
United States Gauge Co., 37 Liberty, New York *See adv index at end of book*

## Gauges (Gasoline)

See Indicators, Fuel Level

## 5287— Gauges (Height)

Brown & Sharpe Mfg. Co., Providence, R. I.
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## Gauges (Hinge)

See Gauges, Butt

## 5288— *Gauges (Hub)

**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 5288a—*Gauges (Hydraulic)

**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*

## 5289—Gauges (Hydraulic Recording)

See also Gauges, Water

Ashton Valve Co. (Wheel Press), 179 1st, Boston, Mass.
**BRISTOL CO.** ("Bristol's), Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
National Steam Spec. Co., 16 S Clinton, Chicago, Ill.
**SCHAEFFER & BUDENBERG MFG. CO.** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
**UNITED STATES GAUGE CO.**, 37 Liberty, New York *See adv index at end of book*

## 5290—Gauges (Illuminated Dial)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
**UNITED STATES GAUGE CO.**, 37 Liberty, New York *See adv index at end of book*

## 5291—Gauges (Indicating & Recording Combined)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 5292— Gauges (Inspectors')

**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP'N** ("G. T. D." for Threads & Cylindrical), Greenfield, Mass.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
**STARRETT L. S. CO. (THE)** (For Steel Plates), Athol, Mass.
*See adv index at end of book*

## 5293— Gauges (Iron Plane)

Goodell-Pratt Co., Greenfield, Mass.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

## 5294— Gauges (Jewel)

Wennstrom's John Sons Co. (For Jewel Holes), Suffern, N. Y.

## 5295— Gauges (Jointer)

Millers Falls Co. ("Perfection"), 28 Warren, New York. Works: Millers Falls, Mass.

## 5296— Gauges (Leather)

Emrich Phil. (Sole Leather), 824 Main, Cincinnati, O.
Snell & Atherton, Brockton, Mass.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

## 5297— Gauges (Limit)

Acme Mfg. Co., 355 Howard, Detroit, Mich.
Atlas Ball Co. (Internal Ball-Plug), 4th & Glenwood, Phila., Pa.
Brown & Sharpe Mfg. Co., Providence, R. I.
**GREENFIELD TAP & DIE CORP'N** ("G. T. D." Male for Threads & Cylindrical), Greenfield, Mass.
*See adv index at end of book*

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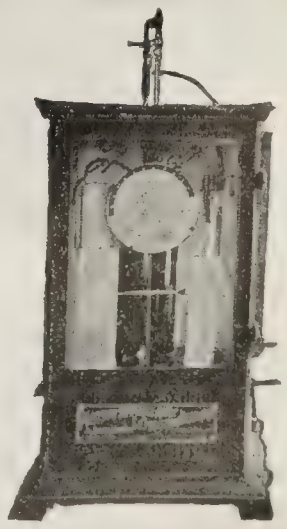

GAUGES (LIMIT)—continued

Ibsen & Co., 404 Keefe av, Milwaukee, Wis.
Mallometer Co., 1093 Jefferson av, Detroit, Mich.
Pratt & Whitney Co., Hartford, Conn.
Rogers Jno. M. Works, Gloucester City, N. J.
Security Tool Works, 115 S Clinton, Chicago, Ill.
Service Tool, Die & Mfg. Co., 206 S Jefferson, Chicago, Ill.
Swedish Co., 245 W 55th, New York
Taft-Peirce Mfg. Co. (Adjustable), Woonsocket, R. I.
Williams J. H. & Co. (Drop-Forged), 21 Richards, B'klyn, N. Y.
*See adv index at end of book*

## Gauges (Liquid Micrometer)

See Gauges Micrometer

## 5297a—*Gauges (Liquid Level)

Pneumercator Co., Inc., 15 Park Row, New York

## 5297b— Gauges (Locomotive)

See also Gauges, Steam

**CROSBY STEAM GAGE & VALVE CO.** ("Crosby") 40 Central, Boston, Mass.
*See adv index at end of book*

## 5298—Gauges (Loss of Head Recording)

**BRISTOL CO.** ("Bristol's), Waterbury, Conn. *See adv index at end of book*
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**SIMPLEX VALVE & METER CO., 110 N Broad, Phila., Pa.**

## 5299— Gauges (Lumber)

Cleveland Rule Co., 2190 W 59th, Cleveland, O.
Filer & Stowell Co., Milwaukee, Wis.
Lufkin Rule Co., Saginaw, Mich.

## 5300—Gauges (Marking & Scratch)

Chapin-Stephens Co., Pine Meadow, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.
Johnson E. P. Rule Mfg. Co. ("Johnson" Adjustable Double Screw), 565 Washington blvd, Chicago, Ill.
Leavitt Machine Co. ("Barrett" Roller), Orange, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Nicholls Mfg. Co. ("Nicholls" Sawtooth, Wheel Roller Marking & Mortise Gauge), Ottumwa, Ia.
Stanley Rule & Level Co., New Britain, Conn.
Stearns E. C. & Co. (Roller), 450 Oneida, Syracuse, N. Y.

## 5301— Gauges (Measuring)

Carlson Westrom Co. ("Carwen"), Erie av & Richmond, Phila., Pa.
**GREENFIELD TAP & DIE CORP'N** ("G. T. D." for Threads & Cylindrical), Greenfield, Mass.
*See adv index at end of book*
Indicating Calipers Co., 506 E 19th, New York *See adv index at end of book*

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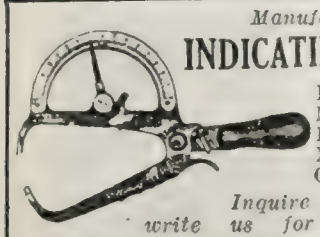
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**NORMA CO. OF AMERICA,** Anable av, Long Island City, N. Y.
*See adv index at end of book*
Reid Bros. Co., Beverly, Mass.

Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
Swedish Co. ("Johansson"), 22 W 61st, New York
Up-To-Date Tool Co. (Special), 81 Wareham, So Boston, Mass.
*See adv index at end of book*
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney"), 248 Ash, Waltham, Mass.
Williams J. H. & Co. (Drop-Forged Caliper), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*
Wirth John D., New Haven, Conn.
Zernickow O, 15 Park Row, New York

## 5302— Gauges (Mercury)

American District Steam Co. ("Adsco"), No. Tonawanda, N. Y.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
National Gauge Co. (Also Mercury Vacuum Gauges), 300 Pacific, Brooklyn, N. Y.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
Quimby Engineering Co. ("Shaw"), 450 N 10th, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Tagliabue Chas. J. Mfg. Co., (Mercury Pressure; Syphon), 18 33d, Brooklyn, N. Y.
Uehling Instrument Co., 71 B'way, New York

## 5303— Gauges (Micrometer)

**AMES B. C. CO.** ("Ames," Dial), North Station, Waltham, Mass.
*See adv index at end of book*
Brown & Sharpe Mfg. Co., Providence, R. I.
Coats Machine Tool Co., Inc. ("Prestometer" Liquid), 110 W 40th, New York
Davis Mfg. Co. ("3 to 72"), Milwaukee, Wis.
Emerson Apparatus Co. (Inside), 251 Causeway, Boston, Mass.
Goodell-Pratt Co., Greenfield, Mass.
Haines Gauge Co. (Automatic), 119 S 4th, Phila., Pa.
Ibsen & Co., 404 Keefe av, Milwaukee, Wis.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Reed Small Tool Works (Micrometer Caliper), Worcester, Mass.
Precision Instrument Co. (Boiler), 21 Halsey, Newark, N. J.
*See adv index at end of book*
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Sawyer Tool Mfg. Co. (Standard Inside), Ashburnham, Mass.
Slocomb J. T. Co. (Paper, Tube, Thread, Plate Makers, Rolling Mill, Cartridge, etc.), 35 Oxford, Providence, R. I.
**STARRETT L. S. CO. (THE)** (Outside, Inside & Metric), Athol, Mass.
*See adv index at end of book*
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney"), 248 Ash, Waltham, Mass.

## 5304— *Gauges (Mine Fan)

**BRISTOL CO.,** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro" Recording), Foxboro, Mass.
*See adv index at end of book*

## 5305— Gauges (Mine Water)

Am Safety Lamp & Mine Supply Co. (U Tube), Scranton, Pa.
Everhart Brass Works (For Showing Pressure of Air in Mines), Scranton, Pa.
Philadelphia Thermometer Co., 9th & Arch, Phila., Pa.

## 5306— Gauges (Mitre)

**Miotke Joseph ("Acme Handy"), 144 Clinton, Milwaukee, Wis.**

## 5307— Gauges (Oil)

Akron-Selle Co. (Level), Akron, O.
Auto Parts Co. ("Apco"), 702 Eddy, Providence, R. I.
Buckeye Iron & Brass Works, Dayton, O.
Edelmann E. & Co., 341 E Ohio, Chicago, Ill.
Hall Mfg. Co., Harrison, N. J.
**LUNKENHEIMER CO.** ("Triplex"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Pneumercator Co., Inc., 15 Park Row, New York
Powell Wm. Co. ("Powell" for Dynamos, Motors, Automobiles, Trucks, Motor Boats, etc), Cincinnati, O.
*See adv index at end of book*
Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.

## 5308— Gauges (Paper)

Ashton Valve Co. (Paper Test), 161 First, Cambridge, Mass.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney" Dial, Thickness), 248 Ash, Waltham, Mass.

## 5308a—*Gauges (Petrol Depth)

**BRISTOL CO., ("Bristol's" Recording),** Waterbury, Conn.
*See adv index at end of book*
National Gauge & Equipment Co. ("Independent," "National"), La Crosse, Wis.
*See adv index at end of book*

## 5309—Gauges (Planer & Shaper)

Sawyer Tool Mfg. Co. (Planer), Ashburnham, Mass.
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

## 5310—Gauges (Plug & Ring)

Accurate Engineering Co., 150 E 4th, Plainfield, N. J.
*See adv index at end of book*

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Atcheson Tool & Die Co., 43 W Long, Columbus, O.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Central Tool & Die Co., Dayton, Ohio
Clough R. M., Tolland, Conn.
**GREENFIELD TAP & DIE CORP'N.** ("G. T. D." for Threads & Cylindrical), Greenfield, Mass.
*See adv index at end of book*
Johansson C. E., Inc. ("Johansson" Adjustable Limit & Tolerance Plug), Poughkeepsie, N. Y.
Laganke Chas. F., 116 St. Claire av N E, Cleveland, Ohio
Mallometer Co., 1093 Jefferson av, E. Detroit, Mich.
Meyers Willard F. Co., Bedford, Ind.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Nelson Tool Co., Inc., 782 E 142nd, New York
Pratt & Whitney Co., Hartford, Conn.
Victory Co., York, Pa.

## 5310a—Gauges (Printer's Line)

Eagle Engineering Co. ("Star"), Springfield, O.

### 5310b— Gauges (Profile)

Cannon T. J. & Sons Machine Co., Lynn, Mass.
Goddard Tool Co. (& Thread), 351 W Chicago av, Chicago, Ill.
Grimes P. L., Milford, Conn.
Laganke Chas. F., 116 St. Claire av N E, Cleveland, Ohio
Meyers Willard F. Co., Bedford, Ind.

### 5311—Gauges (Pyrometer, Steam Pressure & Temperature)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & So 5th, Brooklyn, N. Y.
*See adv index at end of book*

### 5312—Gauges (Radial Grinding)

Union Twist Drill Co., Athol, Mass.

### 5313— *Gauges (Radius)

**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

### 5314— Gauges (Rain)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
**Draper Mfg. Co., 152 Front, New York**
**Green Henry J. (Also Snow), 1191 Bedford av, Brooklyn, N. Y.**
**International Instrument Co. ("Ferguson") 23 Church, Cambridge, Mass.**
**Taylor Instrument Companies ("Tycos"), Rochester, N. Y.**

### Gauges (Raker)

See Gauges, Saw

### 5315—Gauges (Recording Pressure)

**American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.**
**Ashcroft Mfg. Co. ("Edson"), 119 W 40th, New York**
**Ashton Valve Co., 161 First, Cambridge, Mass.**
**Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.**
**BRISTOL CO.** ("Bristol's"), Waterbury, Conn. *See adv index at end of book*
**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
Cleveland Steam Gauge Co. (Pressure Only), 1108 W 9th, Cleveland, O.
**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Jones Gauge Co. ("Peerless" & "Crown"), 5 Broad, Boston, Mass.
McDonough Automatic Regulator Co. ("McDonough" for Steam), 716 Gd. River, Detroit, Mich.
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
National Gauge Co., 300 Pacific, Brooklyn, N. Y.
National Gauge & Equip't Co., La Crosse, Wis. *See adv index at end of book*
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
**PRECISION INSTRUMENT CO.,** 21 Halsey, Newark, N. J.
*See adv index at end of book*
Quimby Engineering Co. ("U. S. Standard" Mercury), 450 N 10th, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.** (Gas Pressure, Hydraulic Pressure, Ammonia Pressure, Steam Pressure & Water Pressure Recording Gauges), Berry & So 5th, Brooklyn, N. Y.
*See adv index at end of book*
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Tagliabue C. J. Mfg. Co. (Recording & Syphon), 18 33d, B'klyn, N. Y.
Uehling Instrument Co., 71 B'way, New York
United States Gauge Co., 67 Wall, New York


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### 5316—Gauges (Recording Pressure Portable)

Brown Instrument Co., Wayne & Windrim, Philadelphia, Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Milford Tool & Engng Co., Milford, Conn.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*

### 5317—*Gauges (Recording Tide)

**BRISTOL CO.** ("Bristol's), Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*

### 5318—Gauges (Recording Vacuum

**BRISTOL CO.** ("Bristol's), Waterbury, Conn. *See adv index at end of book*
**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & So 5th, Brooklyn, N. Y.
*See adv index at end of book*

### 5319— Gauges (Revolution Recording)

**BRISTOL CO.** ("Bristol's), Waterbury, Conn. *See adv index at end of book*
**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & So 5th, Brooklyn, N. Y.
*See adv index at end of book*

### Gauges (Rolling Mill)

See Gauges, Micrometer

### 5320— Gauges (Saw)

Atkins E. C. & Co., Indianapolis, Ind.
Beach Mfg. Co., Montrose, Pa.
Disston Henry & Sons, Tacony, Phila., Pa.
Fox Z. F. & Son, Freeport, Mich.
Hoe R. & Co., 504 Grand, New York
Hantslip Co. ("Standard" Automatic), Freeport, Mich.
Kilborn & Bishop Co. ("The Champion Forged"), 194 Chapel, New Haven, Conn. *See adv index at end of book*
Morin Saw Gauge Mfg. Co. ("Morin's" Raker For Cross-Cut Saws), Seattle, Wash.
Prouty C. & Co., Eldred, Pa.
**Seymour James M., Jr., 43 Lawrence, Newark, N. J.**
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Smith H. B. Machine Co., Smithville, N. J.
United States Gauge Co., 37 Liberty, New York *See adv index at end of book*

### 5321— Gauges (Scratch)

Goodell-Pratt Co., Greenfield, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*
Welch T. F. Co., 55 Sudbury, Boston, Mass.

### 5322— Gauges (Screw Pitch)

Atcheson Tool & Die Co., 43 W Long, Columbus, Ohio.
Athol Machine Co. ("Key Ring" & "Premier"), Athol, Mass.
Automatic Engraving & Mfg. Co., Inc., 2033-5th av, New York
Brown & Sharpe Mfg. Co., Providence, R. I.
Goodell-Pratt Co., Greenfield, Mass.
**GREENFIELD TAP & DIE CORPN.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

GAUGES (SCREW PITCH)—continued

New Process Specialty Co., Enterprise bldg, Milwaukee, Wis.
Pratt & Whitney Co., Hartford, Conn.
Scott-Fetzer Mach. Co., W 114th & Locust av, Cleveland, Ohio
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Sheffield Mach. & Tool Co., Dayton, Ohio
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*
Willemin Mfg. Co., Inc., 181 Eddy, Providence, R. I.
Wood & Spencer Co. ("Snap"), 1930 E 61st, Cleveland, O.

## 5323—Gauges (Sheet Metal & Wire)

Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Disston Henry & Sons, Tacony, Phila., Pa.
Nov. Elec. Co., 50 N 4th, Phila., Pa.
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt & Whitney Co. (Decimal), Hartford, Conn.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*
Vulcan Hardware Co., Carlstadt, N. J.

## 5324—Gauges (Sheet Rubber Measuring)

Hoggson & Pettis Mfg. Co., New Haven, Conn.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.

## 5325— Gauges (Shingle)

Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Wagner Mfg. Co., Cedar Falls, Ia.

## 5326— Gauges (Snap)

Atcheson Tool & Die Co., 43 W Long, Columbus, Ohio
Automatic Engraving & Mfg. Co., Inc., 2033 5th av, New York
Bonney Vise & Tool Wks., Inc. (Drop Forged), Allentown, Pa.
*See adv index at end of book*
Brown & Sharpe Mfg. Co., Providence, R. I.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Central Tool & Die Co., Dayton, Ohio
Clegg Mfg. & Tool Co., Attleboro, Mass.
**GREENFIELD TAP & DIE CORPN.** ("G. T. D.," for Threads & Cylindrical), Greenfield, Mass.
*See adv index at end of book*
Grimes P. L., Milford, Conn.
Johansson Adjustable Limit, Poughkeepsie, N. Y.
Laganke Chas. F., 116 St. Claire av, Cleveland, Ohio
Mallometer Co., 1093 Jefferson av, E. Detroit, Mich.
Meyers Willard F. Co., Bedford, Ind.
Nelson Tool Co., Inc., 782 E 142nd, New York
New Process Specialty Co., Enterprise bldg, Milwaukee, Wis.
Pratt & Whitney Co., Hartford, Conn.
Reid Bros., Beverly, Mass.
Screw Machine Products Corp, 1012 Eddy, Providence, R. I.
Victory Mfg. Co., York, Pa.

## 5327— *Gauges (Sole)

**STARRETT L. S. CO. (THE)**, Athol, Mass
*See adv index at end of book*

## 5328—Gauges (Speed Recording)

**BRISTOL CO.** ("Bristol's"), Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*

## 5329— *Gauges (Stair)

**STARRETT L. S. CO. (THE)**, (For Carpenters, etc), Athol, Mass.
*See adv index at end of book*

## 5330— Gauges (Steam)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashcroft Mfg. Co., 119 W 40th, New York
Ashton Valve Co. (Also Alluminated Dia Master Pilot, Master Pressure), 179 1st, Boston, Mass.
Azadian Gauge Mfg. Co., Eastwood, N. Y.
Belfield H. Co., 435 N Broad, Phila., Pa.
**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
**BROWN INSTRUMENT CO.** ("Brown" Recording), Wayne & Windrim, Phila., Pa.
Cleveland Steam Gauge Co., 1108 W 9th, Cleveland, O.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Hoppe Paul F Co., 123 Liberty, New York
McRae & Roberts Co., 227 Campbell av Detroit, Mich.
*See adv index at end of book*
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
**NATIONAL GAUGE & EQUIPMENT CO** ("National," "Independent"), La Crosse, Wis.
*See adv index at end of book*
National Steam Specialty Co. ("National"), 16 S Clinton, Chicago, Ill.
New England Steam Gauge Co., Penn av. Niantic, Conn
Pierce, Butler & Pierce Mfg. Corp., 437 E 162d, New York
Pittsburgh Gage & Supply Co. ("Pittsburgh" Recording), 30th & Liberty av, Pittsburgh, Pa.
Pratt & Cody Co. ("P. & C"), Hartford, Conn.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
Quimby Engineering Co. ("U. S. Standard"), 450 N 10th, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.**, Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Sterling Dental Mfg. Co. ("Simplex"), 120 Boylston, Boston, Mass.
**U. S. GAUGE CO.**, 37 Liberty, New York
*See adv index at end of book*
Wright Austin, Co., 97 Woodbridge, W Detroit, Mich.
Zaubitz August, 95 Cliff, New York

## 5331—*Gauges (Sulphite Digester)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.**, Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## Gauges (Surface)

See Gauges, Depth & Surface

## Gauges (Syphon)

See Gauges Steam

## 5332— Gauges (Tank)

Nat'l Gauge & Equip't Co. ("Independent," "National"), La Crosse, Wis.
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pneumercator Co., Inc., 15 Park Row, New York
Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.
**SCHAEFFER & BUDENBERG MFG. CO.**, Berry & So 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 5333—Gauges (Tank Acid Metal)

Eastwood Wire Mfg. Co., Belleville, N. J.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 5334—*Gauges (Tank Gauge, Pneumatic)

**SCHAEFFER & BUDENBERG MFG. CO.**, Berry & So 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 5335— *Gauges (Taper)

Hartford Special Machy Co., Hartford, Conn.
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 5336—*Gauges (Telescoping)

**STARRETT L. S. CO. (THE)**, (Inside), Athol, Mass. *See adv index at end of book*

## Gauges (Temperature Regulating)

See Pyrometers

## 5336a— Gauges (Test)

See also Gauges, Steam

**CROSBY STEAM GAUGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*

## 5337— Gauges (Test, Pocket)

Ashton Valve Co., 161 First, Cambridge, Mass.
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.

## 5338— Gauges (Thickness)

Brown & Sharpe Mfg. Co., Providence, R. I.
Clegg Mfg. & Tool Co., Attleboro, Mass.
Coats Mach. Tool Co. ("Prestwick" Fluid Gauge), 110 W 40th, New York
Goodell-Pratt Co., Greenfield, Mass.
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
Randall Frank E. (Rubber), Waltham, Mass.
Randall & Stickney (Dial), Waltham, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*
Union Tool Co., Orange, Mass.
Willemin Mfg. Co., Inc., 181 Eddy, Providence, R. I.

## 5338a— Gauges (Thread)

Bicknell-Thomas Co. (Thread Lead), Greenfield, Mass.
Brown & Sharpe Mfg. Co. ("Acme"), Providence, R. I.
Federal Tool & Mach. Co., Camden, N. J.
Greenfield Tap & Die Corpn. ("G. T. D." Male & French, Male Limit & Limit Snap), Greenfield, Mass.
*See adv index at end of book*

## 5339—Gauges (Tire Pressure)

Allen Auto Specialty Co. ("Allen" Tyrometer), 16 W 61st, New York
Azadian Gauge Mfg. Co., Eastwood, N. Y.
Improved Gauge Mfg. Co. ("Pressurite"), 105 Canal, Syracuse, N. Y.
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Michelin Tire Co., Milltown, N. J.
National Gauge & Equipment Co. ("Indian Head," "Independent," "National"), La Crosse, Wis.
*See adv index at end of book*
Schrader's A. Son, Inc. ("Schrader Universal"), Brooklyn, N. Y.
Twitchell Gauge Co. ("Twitchell"), 1516 S Wabash av, Chicago, Ill.
United States Gauge Co., 37 Liberty, New York *See adv index at end of book*

## 5340— Gauges (Track)

Aldon Co. ("Huntington"), 3338 W Ravenswood av, Chicago, Ill.
Buda Co. ("Huntington," "Cafrey-Huntington" & "McManus" Combined Track Gauge & Lever), Railway Exchange bldg, Chicago, Ill.
Disston Henry & Sons, Tacony, Phila., Pa.
Fairbanks, Morse & Co., Sheffield Plant ("The McHenry"), Three Rivers, Mich.

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Iron City Tool Wks., Ltd., 3201 Smallman, Pittsburgh, Pa.
Irving Mfg. & Tool Co., 157 Chambers, New York
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Verona Tool Works, Oliver bldg, Pittsburgh, Pa.

## Gauges (Twist Drill)

See Gauges, Drill

## 5341—Gauges (Unison Telemetric Pressure)

Connelly Iron Sponge & Governor Co., 227 Fulton, New York

## 5342—Gauges (Universal Screw Cutting)

Disston Henry Sons, Tacony, Phila., Pa.
Pratt & Whitney Co., Hartford, Conn.
Smith Otis A. (Countersunk and Depth), Rockfall, Conn.

## 5343— Gauges (Urn)

Haydenville Co., Haydenville, Mass.
**McRAE & ROBERTS CO.** (Coffee, etc.), 227 Campbell av, Detroit, Mich.
*See adv index at end of book*

## 5343a— Gauges (Vacuum)

See also Gauges, Steam

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Crosby Steam Gauge & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
National Steam Spec. Co., 16 S Clinton, Chicago, Ill. *See adv index at end of book*
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*

## 5344—Gauges (Vacuum Draft)

**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE,** (("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*

## 5345— Gauges (Water)

American District Steam Co. ("Adsco") No. Tonawanda, N. Y.
American Safety Lamp & Mine Supply Co. (U Tube), Scranton, Pa.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashcroft Mfg. Co. (Pressure Self-Closing "Keyser" Automatic), 119 W 40th, New York
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Bordo L. J. Co., 12th & Thompson, Phila., Pa.
Bridgman Bros. Co., 131 S 31st, Phila, Pa.
**BRISTOL CO.** ("Bristol's" Water Level), Waterbury, Conn.
*See adv index at end of book*
**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Capitol Brass Works, 596 Franklin, Detroit, Mich.
Cleveland Steam Gauge Co., 1108 W 9th, Cleveland, O.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Detroit Brass Works, 331 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit" Expansion Tank), Detroit, Mich.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Haydenville Co., Haydenville, Mass.
Hoffman B. Mfg. Co. (Combination Water & Steam Gauge & "Graber" Indicating Automobile), 257 6th, Milwaukee, Wis.
Huyette Paul B. Co. (The "P. B. H." Quick Closing), 5 S 18th, Phila., Pa.
White, New York
**JERGUSON GAGE & VALVE CO.** ("Reflex," "Klinger," "Jerguson" and to Specification), Mystic av & Fellsway, Somerville, Mass.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Lonergan J. E. Co. (Automatic Safety), 211 Race, Phila., Pa.
**LUNKENHEIMER CO.** ("Monitor," Automatic & Plain). Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McCoy Joseph F. Co. ("Davis" imported), 157 Chambers, New York
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Marion Machine, Foundry & Supply Co. ("Alexander," for Boilers), Marion, Ind.
Michigan Lubricator Co. ("Michigan," Self-Clearing, Automatic, etc.), 3643 Beaubien, Detroit, Mich.
Northern Tool Co. ("Northern" Self-Closing Safety), Utica, N. Y.
Ohio Body & Blower Co. (Automatic Safety), 9300 Detroit av, Cleveland, O.
*See adv index at end of book*
Ohio Brass Co. ("O. B."), Mansfield, O.
*See adv index at end of book*
Ohio Injector Co., Wadsworth, O.
Okadee Co. ("Okadee" Reflex), 14 E Jackson bl., Chicago, Ill.
Penberthy Injector Co., 346 Holden av, Detroit, Mich.
Pittsburgh Gage & Supply Co. ("Pittsburgh" Automatic & "Gaco" Self-Closing), 30th & Liberty av, Pittsburgh, Pa.
Pneumercator Co., Inc., 15 Park row, New York
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
Reliance Gauge Column Co. ("Reliance" Level, Quick Closing), Cleveland, O.
Rich Mfg. Co. (Quick Closing), 370 Atlantic av, Boston, Mass.
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
Sargent Co. ("Reflex" for Locomotives), 625 W Jackson blvd, Chicago, Ill.
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Star Brass Mfg. Co. ("Eureka"), 53 Oliver, Boston, Mass.
Sterling & Skinner Mfg. Co., 2672 E Gd. blvd, Detroit, Mich.
Swift Lubricator Co., Elmira, N. Y.
Tagliabue J. C. Mfg. Co. (Pressure, Syphon), 18 33d, B'klyn, N. Y.
United States Gauge Co., 37 Liberty, New York *See adv index at end of book*
Valle-Kimes Co. ("V. & K."), Dayton, O.
Van Duzen E W. Co., 428 E 2d, Cincinnati, O.
Watertown Specialty Co. ("Watertown" Automatic Safety), Watertown, N. Y.
Western Valve Co., 701 W Washington, Chicago, Ill.
Williams Gauge Co. ("Williams," "Quick Closing," "Success" & "Sterling"), 543 4th av, Pittsburgh, Pa.
Wiltbonco Mfg. Co. ("Klinger," "Reflex," "Wiltbonco"), 24 Porter, Boston, Mass.
Wright-Austin Co. ("The Wright" Water Pressure, Self-Closing), 97 Woodbridge W, Detroit, Mich.

## 5346—Gauges (Water Depth)

**BRISTOL CO.** ("Bristol's"), Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 5347—Gauges (Water Level)

**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Builders Iron Foundry, 9 Codding, Providence, R. I.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Hydro Mfg. Co. (Recording), Bullitt bldg, Phila, Pa.
**JERGUSON GAGE & VALVE CO.** (Standard and to Specification), Mystic av & Fellsway, Somerville, Mass.
Pneumercator Co., 118 Liberty, New York
Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.

## Gauges (Water Pressure)

See Gauges, Water

## 5348—*Gauges (Water, Self-Cleaning)

**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*

## 5349—*Gauges (Waterworks)

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. C.,** Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 5349a—Gauges (Welding Outfit)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**NATIONAL GAUGE & EQUIPMENT CO.** ("Independent" "Natweld"), La Crosse, Wis.
*See adv index at end of book*
**UNITED STATES GAUGE CO.** ("Solfrunt"), 37 Liberty, New York
*See adv index at end of book*

## 5350— Gauges (Wheel)

Gage Tool Co. ("Gage" Marking), Vineland N. J.

## Gauges (Wind)

See Anemometers

## 5350a— *Gauges (Wire)

See also Gauges, Sheet Metal & Wire

Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

## 5351—Gauges (Wireman's Calculating)

Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*

## 5352— Gauges (Wood Plane)

Goodell-Pratt Co., Greenfield, Mass.

## 5353—Gauges (Worm Thread Tool)

Brown & Sharpe Mfg. Co., Providence, R. I.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.

## 5354—Gauges (Worn Coupler & Wheel Defect)

Pratt & Whitney Co., Hartford, Conn.

## 5355— Gauze (Surgical)

American Gauze & Cotton Co., Inc. ("Excello," "Purity," "Quality," "White Cross"), 407 N 8th, St. Louis, Mo.
Aseptic Products Co., 237 Borden av, Long Island City, N. Y.
Aseptic Laboratories, Inc., 107 State, Rochester, N. Y.
Columbia Mills, Inc., 225 5th av, New York
Griswoldville Mfg. Co., Griswoldville, Mass.

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Hygienic Fibre Co., Versailles, Conn.
**Johnson & Johnson, New Brunswick, N. J.**
Lewis Mfg. Co., Walpole, Mass.
New Hartford Cotton Mfg. Co., **New Hartford, N. Y.**
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
**Seabury & Johnson, 59 Maiden la, New York**
**Southern Aseptic Laboratories, Columbia, S. C.**

## 5355a— *Gauze (Wire)

**NEWARK WIRE CLOTH CO.,** 223 Verona av, Newark, N. J.
*See adv index at end of book*

## 5356— Gavels

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## 5357— Gear Blanks

Akron-Selle Co. (Ring), Akron, O.
Allegheny Forging Co. (Steel), Keenan bldg, Pittsburgh, Pa.
**American Manganese Bronze Co. (Bronze), 3501 Rhawn, Phila., Pa.**
**American Vulcanized Fibre Co. (Fibre), Equitable bldg, Wilmington, Del.**
**Anderson Forge & Machine Co. (Drop Forged), Detroit, Mich.**
**Atlantic Steel Casting Co (Open hearth), Chester, Pa.**
**Atlas Steel Casting Co. (Cast Steel), Buffalo, N. Y.**
**Bay City Forge Co., 1820 Cranberry, Erie, Pa.**
**Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.**
**Blount Engineering Co., 100 High, Boston, Mass.**
**Bonney-Floyd Co. (Cast Steel), Columbus, O.**
**Boston Forge Co. (Forged Steel), E Boston, Mass.**
**Cambria Steel Co., Widener Bldg, Phila., Pa.**
**Carnegie Steel Co. (Rolled Steel), Carnegie bldg, Pitttsburgh, Pa.**
Champion Machine & Forging Co. (Drop Forged), 3690 E 78th, Cleveland, O.
*See adv index at end of book*
Colburn Gear & Mfg. Co., Inc., 85 Purchase, Boston, Mass.
*See adv index at end of book*
Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del. *See adv index at end of book*
**Cramp Wm. & Sons Ship & Engine Bldg. Co. (Bronze), Beach & Ball, Phila., Pa.**
Damascus Bronze Co. ("Damascus," Bronze), N S, Pittsburgh, Pa.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.** *See adv index at end of book*
Detroit Screw Works, 348 Franklin, Detrot Mich.
**Diamond State Fibre Co. (Hard Fibre),** Bridgeport, Pa.
Dundore Mfg. Co., 246 Orange, Reading, Pa.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*
Electric Welding Co. (Steel), 2114 Superior viaduct, Cleveland, O.
**Forged Steel Wheel Co. (Forged Steel),** Pittsburgh, Pa.
**GANSCHOW WM. CO. (Castings & Forgings), 1001 Washington blvd, Chicago, Ill.** *See adv index at end of book*
**GRANT GEAR WORKS** (All Kinds), Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Hammond Steel Co. Inc. (Case Hardening), Solway, N. Y.
**Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.**
Interstate Foundry Co. **(Light & Heavy),** E 61st & Erie R. R., Cleveland, O.
Irvington Mfg. Co. **(Drop Forged), Irvington,** N. J.
**JOHNSTON & JENNINGS CO., Addison** rd., N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
**Ladish Drop Forge Co. (Forged), Cudahy, Wis.**
Lake Erie Forge & Machine Co., Cleveland, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
National Fibre & Insulation Co. **(Fibre),** Yorklyn, Del.
New England Forge Co., Worcester, Mass.
Ohio Forge Co. **(Forged),** Cleveland, O.
Park Drop Forge Co. (Drop Forged), 760 E 79th, Cleveland, O.
**Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.**
Phila. Steel & Forge Co. **(Forged Steel),** 50 Church, New York
Pollak Steel Co., Cincinnati, O.
Smith A. O. Corp. (Drop Forged), Milwaukee, Wis.
Spaulding J. & Sons Co., Inc. (Hard Fibre), P O Box 52, Tonowanda, N. Y.
*See adv index at end of book*
**Standard Fibre Co. (Hard Fibre), Miller** st, Somerville, Mass.
Strong Steel Foundry Co. (Cast Steel), Buffalo, N. Y.
**Taylor-Wilson Mfg. Co., McKees Rocks,** Pa.
Titanium Bronze Co., Niagara Falls, N. Y.
**Titusville Forge Co. (Steel), Titusville, Pa.**
U. S. Automatic Co., Amherst, O.
Western Drop Forge Co. **(Drop Forged),** P O Box 386, Marion, Ind.
Western Tool & Forge Co., **Brackenridge,** Pa.
Williams J. H. & Co., **31 Richards, B'klyn,** N. Y. *See adv index at end of book*
Wilmington Fibre Specialty Co., Wilmington, Del. *See adv index at end of book*
Worcester Pressed Steel Co., **Worcester,** Mass.
Wyman-Gordon Co. **(Automobile), Worcester, Mass.**

## 5358— Gear Blanks (Rawhide)

See also Gears & Pinions, Rawhide

**Chicago Rawhide Mfg. Co., 1301 Easton av, Chicago, Ill.**
Colburn Gear & Mfg. Co., Inc., 85 Purchase, Boston, Mass.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
**Holbrook Raw Hide Co., 748 No Main,** Providence, R. I.
**Horsburgh & Scott Co., 5114 Hamilton,** N E, Cleveland, O.
**Western Rawhide & Belting Co., 600 So. Pierce, Milwaukee, Wis.**

## 5359— Gear Blanks (Steel)

See also Gear Blanks

Crucible Steel Forge Co., 6609 Grant av, Cleveland, O. *See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 5360— *Gear Bronze

**LUMEN BEARING CO.,** 200 Lathrop, Buffalo, N. Y.
*See adv index at end of book*
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 5361— Gear Cases

**Columbia Machine Work & Malleable Iron Co. ("Columbia" All Steel or Malleable Iron), Atlantic av & Chestnut, Brooklyn, N. Y.**
Columbiana Boiler Co., Columbiana, O.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J *See adv index at end of book*
Dundore Mfg. Co., 246 Orange, Reading, Pa.
**Electric Service Supplies Co. ("Lyon" Reinforced Steel, "Keystone" Steel), 17th & Cambria, Phila., Pa.**
**Globe Machine & Stamping Co. (Pressed Steel), 1250 W 76th, Cleveland, Ohio**
Lyon Metallic Mfg. Co. ("Lyon" Steel), **Aurora, Ill.**
Nelso N. P. Iron Wks., 212 40th, Brooklyn, N. Y.
Thayer & Co. ("Chillingworth" One-Piece Seamless & Weldless), 111 B'way, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.** East Pittsburgh, Pa.
*See adv index at end of book*

## 5362—*Gear Cases (Car Motor)

**WESTINGHOUSE ELECTRIC & MFG. CO.** East Pittsburgh, Pa.
*See adv index at end of book*

## 5362a—Gear (Locomotive Valve)

**Shaw Propeller Co., 15 Elkins, Boston,** Mass.
Southern Locomotive Valve Gear Co., Knoxville, Tenn.
Standard Valve Gear Co., Toledo, O.

## 5363—*Gear Molding Machines

**TEXAS COMPANY** ("Crater"), 17 Battery pl, New York
*See adv index at end of book*

## 5364—Gear Protective Composition

Plomo Specialty Mfg. Co., Belmont bldg., Cleveland, O.
United States Graphite Co., Saginaw, Mich.
Whitmore Mfg. Co., Iron ct. & Erie Ry., Cleveland, O.

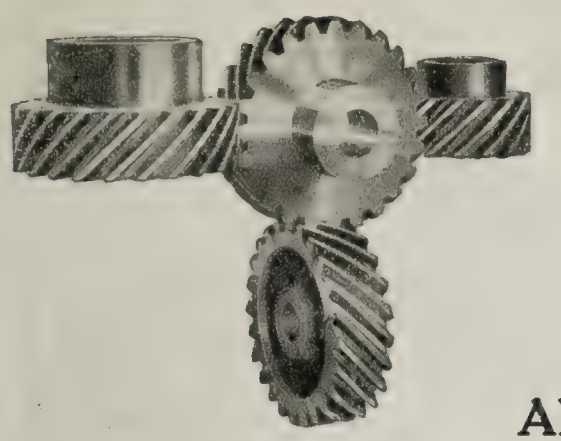
## 5365— Gear Shifts (Electric)

(For Gasoline Automobiles)

**Eclipse Machine Co. (Automobile), 18th Elmira, N. Y.**
U. S. Auto Gear Shift Co. ("Laursen" Hydraulic), Eau Claire, Wis.

## 5365a—*Gear Shifts (Magnetic)

**CUTLER-HAMMER MFG. CO.,** 12th & Paul av, Milwaukee, Wis.
*See adv index at end of book*



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*See adv index at end of book*
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

### 5366a— *Gearing (Mill)

**Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.**
**Vaughn Machinery Co.** (Enclosed Drive Heads), Cuyahoga Falls, O.
*See adv index at end of book*

### 5367— Gearing (Skylight)

See also Skylight & Ventilating Apparatus
Weiss H. & Co., 83 John, New York

### 5368— Gearing (Spur)

See Gears, Cut

### 5369—Gearing (Wharf Drop)

American Engineering Co. ("Winters"), Aramingo & Cumberland, Phila., Pa.
**HINDLEY GEAR CO.,** 1105 Frankford av, Phila, Pa. *See adv index at end of book*
**Meisel Press Mfg. Co. (Medium Pitch), 942 Dorchester av, Boston, Mass.**

### 5369a— Gears

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Colburn Gear & Mfg. Co., 85 Purchase, Boston, Mass. *See adv index at end of book*
**GANSCHOW WM. CO.** ("Bakelite"), 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Grey Mach. Tool Co., 2649 Main, Buffalo, N. Y.
**JANNEY & CO.,** Montgomery, Ala.
*See adv index at end of book*
Philadelphia Roll & Machine Co., **25th & Washington av, Phila., Pa.**
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Stevenson Gear & Mfg. Co., 942 Daly, Indianapolis, Ind.
Withers Foundry & Machine Works, Atlanta, Ga.

### 5369b— Gears (Aeroplane)

Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.

### 5369c— Gears (Angle)

Dundore Mfg. Co., Reading, Pa.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Meachem Gear Corp., Syracuse, N. Y.
*See adv index at end of book*

### 5370— Gears (Automobile)

Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Die & Tool Co., Reading, Pa.
Anderson Rolled Gear Co., Berea rd. & L. S. & M. S. Ry, Cleveland, O.
**Blount Engineering Co., 100 High, Boston, Mass.**
**Borbein Auto Co., 2109 N 9th, St. Louis, Mo.**
**Brown-Lipe-Chapin Co., Syracuse, N. Y.**
**Brown & Sharpe Mfg. Co., Providence, R. I.**
Bultman F. H. Co., 2108 Superior via, Cleveland, O.
**C. A. S. Products Co., Columbus, O.**
**Carpenter-Tew Gear Co., 67 35th, B'klyn, N. Y.**
Cotta Transmission Co. ("Cotta" motor truck & tractor), Rockford, Ill.
**Crofoot Gear Works, Cambridge, Mass.**
**Davis Rodney, 624 Race, Phila., Pa.**
**Detroit Standard Gear Co. (All Kinds), Detroit, Mich.**
Dundore Mfg. Co., 246 Orange, Reading, Pa.
**Durston Gear Co., Syracuse, N. Y.**
**Earle Gear & Machine Co., Stenton & Wyoming, Phila., Pa.**
Federal Gear Co. of Cleveland, Cleveland, O.
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N. Curtis, Chicago, Ill.
*See adv index at end of book*
**Forg Peter Mfg. Co., 50 Park, Somerville, Mass.**
**Frost Gear & Forge Co., Jackson, Mich.**
**GANSCHOW WM. CO.,** 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
**Gleason Works (Equalized), 2000 University av, Rochester, N. Y.**
*See adv index at end of book*
**GRANT GEAR WORKS,** Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Hill-Smith Metal Goods Co., ("H.-S."), 82 Brookline av., Boston, Mass.
**Johnson Gear Co., 735 Folsom, San Francisco, Cal.**
Jones Gear Co., Wayside rd & Nickel Plate R. R., Cleveland, O.
Light Mfg. & Foundry Co., Pottstown, Pa.
Mecca Machinery Co., 85-87 Adams, Brooklyn, N. Y. *See adv index at end of book*
Mechanics Machine Co. (Transmission), Rockford, Ill.
**Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.**


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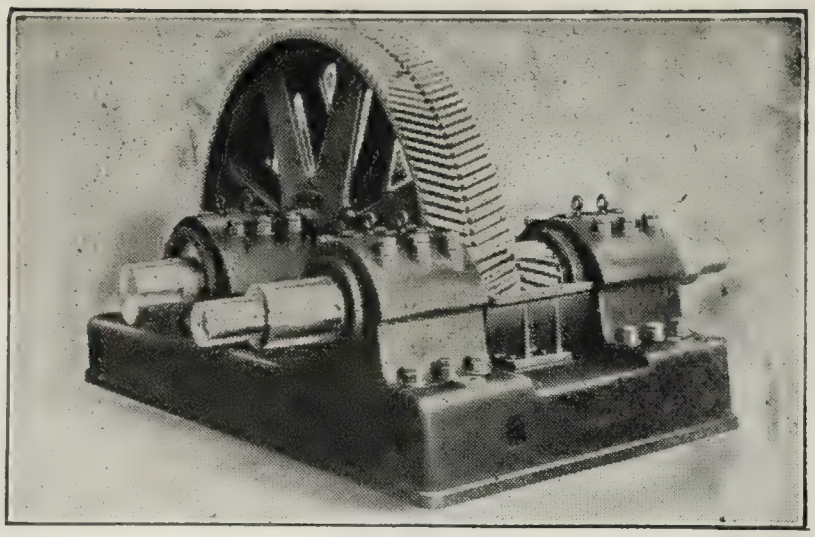

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Nilson-Miller Co., 1300-1306 Hudson, Hoboken, N. J. *See adv index at end of book*
**Pacific Gear & Tool Wks., 1055 Folsom, San Francisco, Cal.**
**Park Drop Forge Co., 760 E 79th, Cleveland, O.**
Philadelphia Gear Works, East Vine, Phila., Pa.
*See adv index at end of book*
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
**Ross Gear & Tool Co., Lafayette, Ind.**
Russel Motor Axle Co., Chene & B L RR, Detroit, Mich.
Spacke Machine & Tool Co., **Indianapolis, Ind.**
Tichenor F. C. Gear Works, Peoria, Ill.
**Vahan Products Co., 73d & St. Clair, Cleveland, O.**
Van Dorn & Dutton Co., 2978 Woodhill, **Cleveland, O.**
**Virtue & Pound Co., Owatonna, Minn.**
Wall R. C. Mfg. Co., 228 N 15th, Phila., Pa.
Warner Gear Co. (Carbon & Alloy Steel), **Muncie, Ind.**
Weekes-Hoffman Co., Syracuse, N. Y.
**Williams J. H. & Co. (Forgings), 31 Richards, B'klyn, N. Y.**
***See adv index at end of book***

### 5371—Gears (Automobile Speed)

Dundore Mfg. Co., Reading, Pa.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Park Drop Forge Co., 760 E 79th, Cleveland, O.
**Vahan Products Co., 73d & St. Clair, Cleveland, O.**

### 5372—Gears (Automobile Steering)

Borbein Auto Co., 2109 N 9th, St. Louis, Mo.
Browarsky Crum Co., Bucyrus, O.
Bultman F. H. Co., 2108 **Superior via, Cleveland, O.**
**Crofoot Gear Works, Cambridge, Mass.**
Gemmer Mfg. Co., 741 Merrick, Detroit, Mich.
**Gleason Works, 2000 University av, Rochester, N. Y.** *See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**LAPIERRE H. M. CO.,** 1314 W 21st, Chicago, Ill.
**Lavine Gear Co., Racine, Wis.**
Schweppe & Wilt Mfg. Co., Mt. Elliott & Conant, Detroit, Mich.
Sharp L. C. Mfg. Co., Plattsmouth, Neb.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
**Warner Gear Co., Muncie, Ind.**
**Warner T. W. Co., Muncie, Ind.**
**Williams J. H. & Co. (Forgings), 31 Richards, B'klyn, N. Y.**
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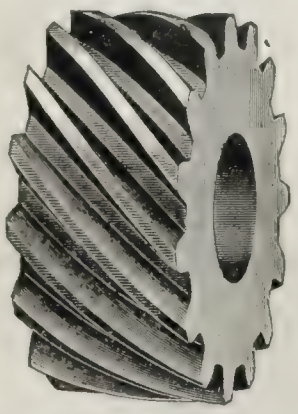
### 5372a—Gears (Bakelite Micarts)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**BRAUN GEAR CORPN.,** 1323 Gates av, Brooklyn, N. Y.

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## 5372b— Gears (Bevel)

**American Die & Tool Co., Reading, Pa.**
Bond Foundry & Machine Co. (Mortise), Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Braun Gear Corp., 1323 Gates av, Brooklyn, N. Y.
Federal Gear Co. of Cleveland, Cleveland, O.
Nilson-Miller Co., 1300-1306 Hudson, Hoboken, N. J. *See adv index at end of book*
Remacle-Hammel Gear & Machine Works, Inc., 23 Rose, New York
Smith S. Morgan Co. (Mortise), York, Pa.
*See adv index at end of book*
Stahl Gear & Machine Co., 1390 E 40th, Cleveland, O.

## 5373—Gears (Boom Swinging)

Clyde Iron Works Sales Co., Duluth, Minn.
**Dake Engine Co., Grand Haven, Mich.**
**English Iron Works Co., Leekes, Mo.**
Grant Gear Works, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Jones Gear Co., Wayside rd & Nickel Plate R. R. Cleveland, O.
**Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.**
**Meisel Press Mfg. Co. (Medium Pitch),** 942 Dorchester av, Boston, Mass.
**NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.**
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## 5373a— Gears (Brass)

Crescent City Machine & Mfg. Works, 631 Tchoupitoulas, New Orleans, La.
**MEACHEM GEAR CORP.,** Syracuse, N. Y.
Diefendorf Gear Corp., Syracuse, N. Y.
*See adv index at end of book*
Wilkin Geo. H. Co., 180 N Market, Chicago, Ill.

## 5374—Gears (Brick Machinery)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
***See adv index at end of book***
**GANSCHOW WM. CO., 1001 Washington, blvd, Chicago, Ill.**
***See adv index at end of book***
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.**
***See adv index at end of book***

## 5374a— *Gears (Bronze)

Meachem Gear Corp., Syracuse, N. Y.
***See adv index at end of book***
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.

## 5374a1— Gears (Cane Mill)

Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Fawcus Machine Co. (Up to 20" Die), 2818-2828 Smallman, Pittsburgh, Pa.
***See adv index at end of book***

## 5375— Gears (Car Motor)

Dundore Mfg. Co., Reading, Pa.
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
***See adv index at end of book***
**GANSCHOW WM. CO., 1001 Washington** blvd, Chicago, Ill.
***See adv index at end of book***
**GENERAL ELECTRIC CO. (Steel),** Schenectady, N. Y.
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Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Meachem Gear Corp., Syracuse, N. Y.
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**NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.**
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Pullman Ventilator & Mfg. Co., York, Pa.
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## 5375a— Gears (Cast Iron)

**Am. Die & Tool Co., Reading, Pa.**
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Meachem Gear Corp. (& Steel), Syracuse, N. Y. *See adv index at end of book*
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nilson-Miller Co., 1300-1306 Hudson, Hoboken, N. J. *See adv index at end of book*
**Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.**

## 5376—Gears (Cement Machinery)

**See also Gears, Cut; also Machine Molded**
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
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**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
***See adv index at end of book***
Fuller-Lehigh Co., Fullerton, Pa.
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**GANSCHOW WM. CO., 1001 Washington** blvd, Chicago, Ill.
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Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.**
*See adv index at end of book*
Philadelphia Gear Works, East Vine, Phila., Pa.
Tool Steel Gear & Pinion Co., Township av & Emwood pl, Cincinnati, O.

## 5376a—*Gears (Charcoal Iron)

Dundore Mfg. Co., Reading, Pa.
Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.

## 5377—*Gears (Clock, Meter, Instrument, Etc.)

Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
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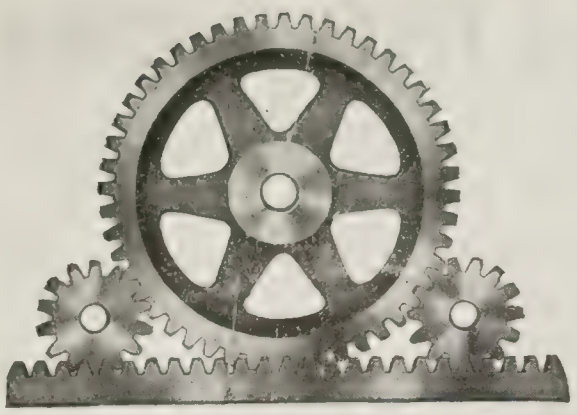

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### 5377b—Gears (Compensating)

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Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**MORSE CHAIN CO.**, Ithaca, N. Y.
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### 5378— Gears (Cut)

Acme Gear Works, Inc., Mills, Astoria, L. I., N. Y.
**Acme Machine Works, 1500 W 18th, St. Louis, Mo.**
Akron Gear & Engineering Co., 55 E South, Akron, O.
**ALBAUGH-DOVER CO.** (Also Helical Cut), 2100 Marshall blvd, Chicago, Ill.
Allis-Chalmers Mfg. Co. (Iron & Steel), Milwaukee, Wis.
American Die & Tool Co., Reading, Pa.
**Arthur Co.**, 188 **Front, New York**
Bickett Machine & Mfg. Co., Cincinnati, O.
**Bilgram Machine Works, 1235 Spring Garden, Phila., Pa.**
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Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
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**California Gear Works, 2132 Folsom, San Francisco, Cal**
**Carpenter-Tew Gear Co., 67 35th, Brooklyn, N. Y.**
**Catskill Foundry & Mach. Co., Catskill, N. Y.**
**Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.**
**Cincinnati Gear Co, 1815 Reading rd, Cincinnati, O.**
**Cincinnati Gear Cutting Machine Co. (Spur), Elam & Garrard av, Cincinnati, O.**
Cleveland Worm & Gear Co., 1667 E 40th, Cleveland, O.
Cohoes Iron Fdry & Mach. Co., Cohoes, N. Y. *See adv index at end of book*
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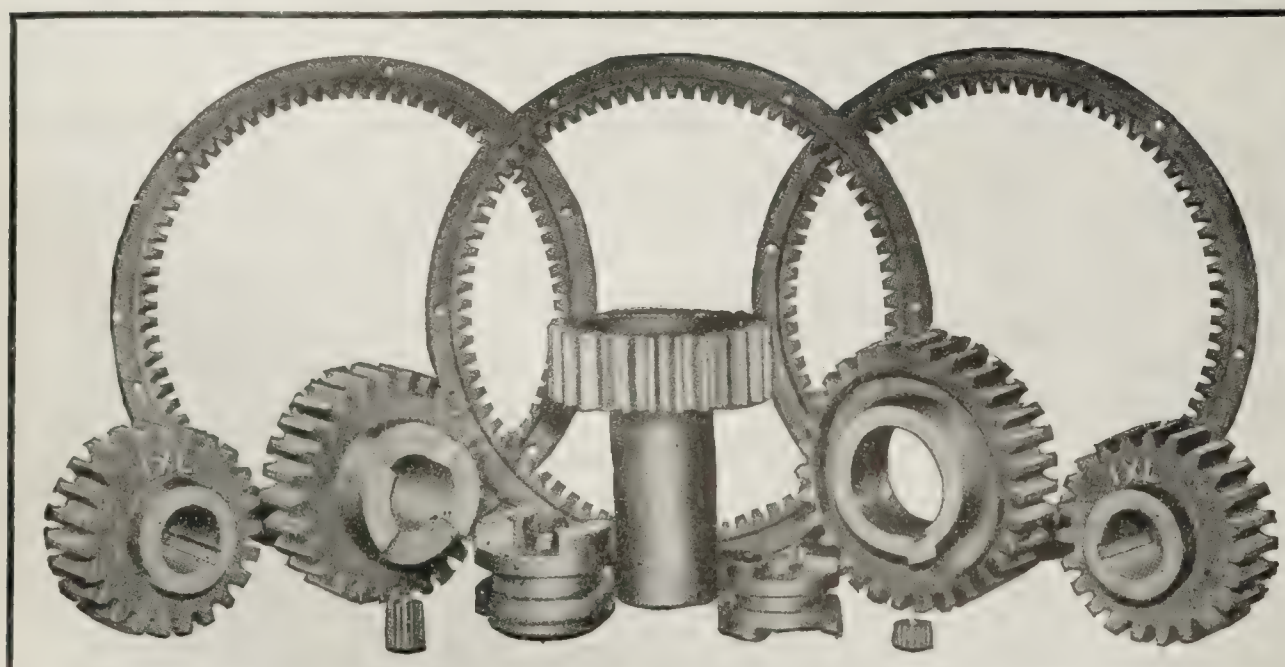

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Farrel Foundry & Machine Co. (Machine Cut), Ansonia, Conn.
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Horsburgh & Scott Co., 5114 Hamilton av N E, Cleveland, O.
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Jeffrey Mfg. Co., 961 N. Fourth, Columbus, O. *See adv index at end of book*
Johnson Gear Co., 735 Folsom, San Francisco, Cal.
Jolly J. & W. (Spur & Bevel), Holyoke, Mass.
Jones E. D. & Sons Co. (Bevel, Mitre, Mortise Spur, etc), Pittsfield, Mass.
Jones W. A. Foundry & Machine Co. (All Kinds, All Sizes), 4401 W. 12th, Chicago, Ill.
Jones Gear Co., Wayside rd & Nickel Plate R. R., Cleveland, O.
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Medart Patent Pulley Co. (Plain or Mortise), 3500 De Kalb, St. Louis, Mo.
Meese & Gottfried Co. (& Cast), 660 Mission, San Francisco, Cal.
Meisel Press Mfg Co, 942 Dorchester av, Boston, Mass
**MEISSELBACH - CATUCCI MFG. CO.** (Small, Bevel Spur & Bevel), 56 Stanton, Newark, N. J.
*See adv index at end of book*
Mesta Machine Co., Pittsburgh, Pa.
*See adv index at end of book*


GEARS — Cut and Machine Molded, Including Helical Cut Teeth
(Write for Bulletins K and Ka)
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.


Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Modern Machinery Co., Wilmington, Del.
National Gear Wheel Foundry, South & Walker, Pittsburgh, Pa.
Newark Gear Cutting Machine Co. (All Kinds), 69 Prospect, Newark, N. J.
New Process Gear Corp. (Metal), Syracuse, N. Y.
New York Gear Works, 56 Greenpoint av, Brooklyn, N. Y.
Nilson-Miller Co. (Bevel Spur, etc.), 1300-1306 Hudson, Hoboken, N. J.
*See adv index at end of book*


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GEAR CUTTING
SPUR UP TO 66". BEVEL UP TO 24"
NILSON-MILLER CO
1300-6 HUDSON ST., HOBOKEN, N. J.


Nordyke & Marmon Co. (Mitre, Iron, Spur, Bevel, Mortise, etc.), Kentucky av & Morris, Indianapolis, Ind.
**NUTTALL R. D. CO.** (Spur, Internal, Bevel, Mitre, Spiral, Worm & Herringbone), McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Ohio Machine Tool Co., Kenton, O.
Pacific Gear & Tool Works, 1035 Folsom, San Francisco, Cal.
Philadelphia Gear Works (Bevel Planed Teeth), East Vine, Phila., Pa.
Pittsburgh Gear & Mach. Co., 27th & Smallman, Pittsburgh, Pa.
**PLUMB D. S.** (Small Gears & Pinions, for Clocks, Meters, Gauges, etc), 73 Norfolk, nr Central av, Newark, N. J.
*See adv index at end of book*
Poole Engineering & Mach. Co., Woodberry sta., Baltimore, Md.
Portland Iron Works, 14th & Northrup, Portland, Me.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Redington F. B. Co., 112 S Sangamon, Chicago, Ill.
Remacle-Hammel Gear & Machine Works, Inc., 23 Rose, New York
Ross Machine Co., Lafayette, Ind.
Sawyer Gear & Mfg. Co., 5120 St. Clair, N E, Cleveland, O.
Schell M. P. Mfg. Co., 342 Howard, San Francisco, Cal.
Sier-Bath Co., 143 W 54th, New York
Simonds Mfg Co, Liberty & 25th, Pittsburgh, Pa.
Sipp Machine Co., Paterson, N. J.
Sommerfeld Machine & Mfg. Co. (Bevel, Mortise, Spur, etc), Cast Iron or Brass), 216 2d av, Pittsburgh, Pa.
Stahl Gear & Machine Co., 1390 E 40th, Cleveland, O.
Standard Fibre Co., Miller st, Somerville, Mass.
Syracuse Raw Hide Mfg. Co. (Cut Raw Hide & Metal), Syracuse, N. Y.
Taylor-Wilson Mfg. Co., McKeees Rocks, Pa.
Tichenor F. C. Gear Works, Peoria, Ill.
Tod, W. E. & F. Co., Pittsburgh, Pa.
Tool Steel Gear & Pinion Co., Township av & Elmwood pl, Cincinnati, O.
Turley Gear & Machine Co., St. Louis, Mo.
Union Gear & Machine Co., 27 Purchase, Boston, Mass.
United Iron Works Co., Inc., Kansas City, Mo.
**UNITED MACHINE & MFG. CO.,** Canton, O.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Vulcan Iron Works, Wilkes-Barre, Pa.
Warner Gear Co. (Spur, Bevel, Spiral & Straight Cut Bevel Type), Muncie, Ind.
Western Rawhide & Belting Co., 600 So Pierce, Milwaukee, Wis.
Wilson W. A. Machine Co. Rochester, N. Y.
Woburn Gear Works, Woburn, Mass.
Woodard Machine Co. (Spur, Worm, Bevel, Double Helical), Wooster, O.
Worcester Gear Works, Worcester, Mass.
Yarley Mfg. Co., 1101 W Monroe, Chicago, Ill.


M-C Gears
Pinion Rod
Gear Hobbing Machines

Full Size

Meisselbach-Catucci Mfg. Co., 56 Stanton St., Newark, N. J.

## Gears (Die Cast)

**See Castings, Die Cast**

### 5379— Gears (Fan Motor)

Dundore Mfg. Co., Reading, Pa.
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 **Washington** blvd, Chicago, Ill.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Meachem Gear Corp., Syracuse, N. Y.
*See adv index at end of book*
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

### 5380— Gears (Fibre)

**See also Gears, Cut**

**DELAWARE HARD FIBRE CO.,** Wilmington, Del.; Works: **Marshallton, Del.**
*See adv index at end of book*
Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 **Washington** blvd, Chicago, Ill.
*See adv index at end of book*
**GERDES & CO.,** 42 **Church, New York.**
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**National Fibre & Insulation Co., Yorklyn, Del.**
Meachem Gear Corp., Syracuse, N. Y.
*See adv index at end of book*
**NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.**
*See adv index at end of book*
**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del.
*See adv index at end of book*

### 5381—Gears for Steam Shovels, Dredges, Etc.

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.,** 210 N Carpenter, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 **Washington** blvd, Chicago, Ill.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

### 5382—Gears (Friction Clutch)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Cadwell W. E. Co., Louisville, Ky.
Dodge Sales & Engineering Co., **Mishawaka, Ind.**
Dundore Mfg. Co., 246 Orange, Reading, Pa.
**Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.**
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Hunt, Rodney Machine Co., Orange, Mass.
**Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.**
Jeffrey Mfg. Co., 967 N 4th, Columbus, O.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Jones Gear Co., Wayside rd & Nickel Plate R. R., Cleveland, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
**McMahon & Co., Worcester, Mass.**
**Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.**
**National Gear Wheel Fdry., South & Walker, Pittsburgh, Pa.**
Noye Bros. Co., Buffalo, N. Y.
**Poole Engineering & Mach. Co., Woodberry Sta, Baltimore, Md.**
**Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.**
**Warner Gear Co. (Automobile), Muncie, Ind.**
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*

## Gears (Gas Tractor)

**See Gears, Tractor Transmission**

### 5382a—Gears (Generated Teeth)

Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**MEACHEM GEAR CORP.,** Syracuse, N. Y.
*See adv index at end of book*

### 5383— Gears (Helical Cut)

American Die & Tool Co., Reading, Pa.
**DE LAVAL STEAM TURBINE CO. (Double Helical), East Trenton, N. J.**
*See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 **Washington** blvd, Chicago, Ill.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**MESTA MACHINE CO.,** Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

### 5384—Gears (Herringbone Cut)

Am. Die & Tool Co., Reading, Pa.
Boston Gear Works ("Boston"), Quincy, Mass. *See adv index at end of book*
**Carpenter-Tew Gear Co., 67 35th, Brooklyn, N. Y.**
Crofoot Gear Works, Cambridge, Mass.
Davis Rodney, 624 Race, Phila., Pa.
Dundore Mfg. Co., 246 Orange, Reading, Pa.
**FALK CO.** ("Falk"), ft 30th, Milwaukee, Wis. *See adv index at end of book*
Fawcus Machine Co. (Standard & Special Enclosed Drives), 1st Nat. Bk bldg.
*See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
Gleason Works, 2000 University av, Rochester, N. Y. *See adv index at end of book*
Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Krasberg Engng. & Mfg. Co., 536 Lake Shore, Ill.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Philadelphia Gear Works, East Vine, Phila., Pa.
Tod Wm. Co. W. E. & F. Co., Pittsburgh, Pa.

### 5385—Gears (Herringbone Molded)

**Mesta Machine Co., Pittsburgh, Pa.**
*See adv index at end of book*

### 5386— Gears (Internal)

**Acme Machine Works, 1500 W 18th, St. Louis, Mo.**
American Die & Tool Co., Reading, Pa.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**Bilgram Machine Works, 1235 Spring Garden, Phila., Pa.**
**Blount Engineering Co., 100 High, Boston, Mass.**
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Boston Gear Works ("Boston"), Quincy, Mass. *See adv index at end of book*
Braun Gear Corp., 1323 Gates av, Brooklyn, N. Y.
**Caldwell H. W. & Son Co. ("Caldwell-Walker"), 17th & Western av, Chicago, Ill.**
Caldwell W. E. Co., Louisville, Ky.
Cincinnati Gear Co., 1815 Reading rd, Cincinnati, O.
Crofoot Gear Works, Cambridge, Mass.
Davis Rodney, 624 Race, Phila., Pa.
**Dodge Sales & Engineering Co., Mishawaka, Ind.**
Dundore Mfg. Co., Reading, Pa.
Earle Gear & Machine Co., Stenton & Wyoming avs, Phila., Pa.
**Eastwood Benj. Co., Paterson, N. J.**
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
Frost Gear & Forge Co., Jackson, Mich.
**GANSCHOW WM. CO.,** 1001 **Washington** blvd, Chicago, Ill.
*See adv index at end of book*
Gleason Works, 2000 University av, Rochester, N. Y. *See adv index at end of book*
Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
**James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.**
Johnson Gear Co., 737 Folsom, San Francisco, Cal.


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Newark Gear Cutting Mach. Co., 69 Prospect, Newark, N. J.
Nilson-Miller Co., 1300-1306 Hudson, Hoboken, N. J.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., Buffalo, N. Y.
**NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.**
*See adv index at end of book*
Philadelphia Gear Works, East Vine, Phila., Pa. *See adv index at end of book*
**Pittsburgh Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.**
Plamondon A. Mfg. Co., 13 N Clinton, Chicago, Ill.
**Poole Engineering & Mach. Co., Woodberry Sta., Baltimore, Md.**
Portland Iron Works, 14th & Northrup, Portland, Ore.
**Sawyer Gear & Mfg. Co., 5120 St. Clair av N E, Cleveland, O.**
**Sommerfeld Machine & Mfg. Co. (Steel, Cast Iron & Brass), 216 2d av, Pittsburgh, Pa.**
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
**Tichenor F. C. Gear Works, Peoria, Ill.**
**Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.**
**Welch T. F. Co. (Brass), 55 Sudbury, Boston, Mass.**

## 5386a—Gears (Locomotive Power Reverse)

Am. Locomotive Co., 30 Church, New York
Commonwealth Supply Co., Mutual bldg., Richmond, Va.
Franklin Railway Supply Co., 30 Church, New York
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Southern Valve Gear Co., Knoxville, Tenn.

## 5386b— Gears (Lowering)

Steward Davit & Equipment Corp. (For Life Boats), 17 Battery pl, New York

## 5387—Gears (Machine Molded)

**American Manganese Steel Co ("Amsco"** Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**Brown A. & F. Co., 79 Barclay, New York.**
**Caldwell H W & Son Co ("Caldwell-Walker," Spur, Spur Mortise, Bevel, Bevel Mortise, Mitre), 17th & Western av, Chicago, Ill**
Caldwell W. E. Co., Louisville, Ky.
**Christiana Machine Co., Christiana, Pa.**
**Cresson-Morris Co., Allegheny & 18th, Phila., Pa.**
**Farrel Foundry & Machine Co., Ansonia,** Conn.
**Gerdes & Co., 42 Church, New York.**
*See adv index at end of book*
**Great Western Mfg. Co., Leavenworth,** Kan.
**Hardie-Tynes Mfg. Co., Birmingham, Ala.**
Hill Cluth Co., W. 65th, Cleveland, O.
**Hubbard Steel Foundry Co., 900 S Michigan av, East Chicago, Ind.**
**Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.**
**Keokuk Hydraulic Tire Setter Co., Keokuk, Ia.**
Marshall Foundry Co., 28th & RR., Pittsburgh, Pa.
**Medart Patent Pulley Co., 3500 De Kalb,** St. Louis, Mo.
**MESTA MACHINE CO.,** Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
National Bronze & Aluminum Fdry. Co., 2539 E 79th, Cleveland, O.
**National Gear Wheel Foundry, South & Walker, Pittsburgh, Pa.**
**Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.**
Poole Engineering & Machine Co., Woodberry Sta., Baltimore, Md.
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**
**Tichenor F. C. Gear Works, Peoria, Ill.**
**United Engineering & Foundry Co. (Cast** Steel), Keenan bldg, Pittsburgh, Pa.
United Iron Works Co., Inc., Kansas City, Mo.
**Van Dorn & Dutton Co., 2978 Woodhill,** Cleveland, O.

## 5388—Gears (Marine, Reversing)

**Auto Engine Works, University & Griggs, St. Paul, Minn.**
Bultman F. H. Co., 2108 Superior via, Cleveland, O.
**Continental Motor Mfg. Co., Muskegon,** Mich.
**Crofoot Gear Works, Cambridge, Mass.**
Crossley Lead & Mach. Co. (Steam), Erie, Pa.
**Detroit Standard Gear Co. ("Standard"), Detroit, Mich.**
**Evans Stamping & Plating Co. ("Paragon"), Taunton, Mass.**
Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Gies Gear Co. ("Gies" for Gasoline Motor Boats), Boydell Bldg., Detroit, Mich.
Gleason Works, 2000 University av, Rochester, N. Y. *See adv index at end of book*
**HINDLEY GEAR CO.,** 1105 **Frankford** av, Phila, Pa.
*See adv index at end of book*
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson, Carlyle Machine Co. ("Johnson"), Manchester, Conn.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**Meisel Press Mfg Co., 942 Dorchester av,** Boston, Mass.
**Michigan Wheel Co., Grand Rapids, Mich.**
**Milwaukee Auto. Engine & Supply Co.,** 841 29th, Milwaukee, Wis.
**New York Gear Works ("Ball" Improved Reverse Gear for Motor Boats), 56** Greenpoint av, Brooklyn, N. Y.
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
**Paragon Gear Works, Taunton, Mass.**
Philadelphia Gear Works, East Vine, Phila., Pa.
**Snow & Petrelli Mfg. Co. ("Joe's"), New Haven, Conn.**
**Tichenor F. C. Gear Works, Peoria, Ill.**
**Van Dorn & Dutton Co., 2978 Woodhill,** Cleveland, Ohio
**Waterman Motor Co., 235 Mt. Elliott av,** Detroit, Mass.

## 5389—Gears (Marine Steering)

Bultman F. H. Co., 2108 Superior av, Cleveland, O
Crofoot Gear Works, Cambridge, Mass.
Dake Engine Co. (Steam), Grand Haven, Mich.
Durkee Chas. D. & Co. (Hand), 2 South, New York
Edson Mfg. Co. ("Edson," Hand), 257 Atlantic av, Boston, Mass.
Evans C. H. & Co. ("Evans," Steam), 187 Fremont, San Francisco, Cal.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
**HINDLEY GEAR CO.,** 1105 **Frankford** av., Phila., Pa.
*See adv index at end of book*
Hyde Windlass Co. ("Brown" Steam), Bath, Me.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Laughlin Thomas Co. (Hand), Portland, Me.
Lockwood Mfg. Co. ("Reeds" Hand"), 44 N Market, Boston, Mass.
McNab Co. (Brown Bros "Telemoter"), Bridgeport, Conn.
*See adv index at end of book*
Marine Hardware Co. (Hand), Peabody, Mass.
Marine Mfg. & Supply Co. ("Columbia," "Lavarck," "Planet," Hand), 158 South. New York
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Pawling & Harnischfeger Co. (Steam), Milwaukee, Wis.
*See adv index at end of book*
Philadelphia Machine Works (Steering Engines), 67 Laurel, Phila., Pa.
Stoddart A. P. & Co. (Hand), Gloucester, Mass.
Textile Finishing Machinery Co. (Steam), 171 Westminster, Providence, R. I.
Tichenor F. C. Gear Works, Peoria, Ill.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Wilcox, Crittenden & Co., Inc. ("W. C."), Middletown, Conn.
*See adv index at end of book*
**Williamson Bros. Co. (Steam), Aramingo & Cumberland, Phila., Pa.**

## 5389a—*Gears (Marine Turbine)

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 5390— Gears (Mill)

See also Gears, Cut

**American Manganese Steel Co. ("Amsco"** Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**Bethlehem Steel Co., South Bethlehem,** Pa.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York.
**DODGE SALES & ENGINEERING CO.** (Cast or Mortise), Mishawaka, Ind.
Dundore Mfg. Co., 246 Orange, Reading, Pa.
Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Garrison A. Foundry Co. ("Haskins," Double Spiral for Rolling Mills, etc), 901 Bingham, Pittsburgh, Pa.
**GERDES & CO.,** 42 Church, New York
*See adv index at end of book*
Gleason Works, 2000 University, Rochester, N. Y. *See adv index at end of book*
Grant Gear Works, Pearl & Purchase, Boston, Mass.
**Jeffrey Mfg. Co., 961 N 4th, Columbus, O.**
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**Jones W. A. Foundry & Machine Co., 4401** W 12th, Chicago, Ill.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Mackintosh, Hemphill Co., ft of 12th, Pittsburgh, Pa.
**MEACHEM GEAR CORP.,** Syracuse, N. Y.
*See adv index at end of book*
**Meisel Press Mfg Co. (Medium Pitch), 942** Dorchester av, Boston, Mass.
**MESTA MACHINE CO.,** Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
**National Gear Wheel Foundry, South & Walker, Pittsburgh, Pa.**
National Roll & Foundry Co., Avonmore, Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Philadelphia Gear Works, E Vine, Phila., Pa.
Seamen-Sleeth Co., 41 & Willow, Pittsburgh, Pa.
Simpson-Orville Co, Cincinnati, Ohio
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.

## 5391— Gears (Mine Motor)

See also Gears, Cut

**FOOTE BROS. GEAR & MACHINE CO.** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
**GENERAL ELECTRIC CO.** ("Fabroil") Schenectady, N. Y.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*

GEARS (MINE MOTOR)—continued

Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**NUTTALL R. D. CO.**, McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

## 5392—Gears (Mining Machine)

See also Gears, Cut

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.**, 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.**, 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
**HINDLEY GEAR CO.**, 1105 Frankford av, Phila., Pa. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**NUTTALL R. D. CO.**, McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

## 5392a— Gears (Mitre)

See also Gears, Cut

American Die & Tool Co., Reading, Pa.
Bond Foundry & Machine Co (Mortise), Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**MEACHEM GEAR CORP.**, Syracuse, N. Y.
*See adv index at end of book*

## 5392b— Gears (Mortise)

Bond Foundry & Machine Co. (Mitre, Spur & Bevel), Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Portland Iron Works, 14th & Northrup, Portland, Oreg.
**SMITH S. MORGAN CO.**, York, Pa.
*See adv index at end of book*

## 5393— Gears (Nickel Steel)

American Die & Tool Co., Reading, Pa.
Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 5394— Gears (Noiseless)

American Die & Tool Co., Reading, Pa
Diefendorf Gear Corp., Syracuse, N. Y.
Formica Insulation Co. ("Formica"), 3240 Spring Grove av, Cincinnati, O.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Wilmington Fibre Specialty Co., Wilmington, Del.
*See adv index at end of book*

## Gears (Rawhide)

See Gears & Pinions, Rawhide

## 5395— Gears (Reduction)

See also Gears, Cut

See also Variable Speed Transmission

American Die & Tool Co., Reading, Pa.
Dundore Mfg. Co., Reading, Pa.
**FALK CO.** (Gears), ft. 30th, Milwaukee, Wis. *See adv index at end of book*
Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.**, 213 N. Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.**, 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Harris-Clark Co., Westfield, N. J.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Meachem Gear Corp., Syracuse, N. Y.
*See adv index at end of book*
**NUTTALL R. D. CO.**, McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

## Gears (Reversing)

See Gears, Marine Reversing

## 5396— Gears (Rolling Mill)

See also Gears, Mill

**FALK CO.** (Gears), ft. 30th, Milwaukee Wis. *See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.

## 5396a—Gears (Silent Chain)

Diefendorf Gear Corp., Syracuse, N. Y.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Morse Chain Co., Ithaca, N. Y.
*See adv index at end of book*

## 5397— Gears (Small)

American Die & Tool Co., Reading, Pa.
Dundore Mfg. Co., Reading, Pa.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Meachem Gear Corp., Syracuse, N. Y.
*See adv index at end of book*
**PLUMB D. S.** (Small Gears & Pinions for Clocks, Meters, Gauges & Recording & Scientific Instruments, etc), 73 Norfolk, nr Central av, Newark, N. J.
*See adv index at end of book*
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*

## 5398— Gears (Solid Forged)

Akron Gear & Engineering Co., 55 E South, Akron, O.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Williams J. H. & Co., 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 5399—Gears (Speed Reducing)

American Die & Tool Co., Reading, Pa.
**DE LAVAL STEAM TURBINE CO.** (For Steam Turbines), East Trenton, N. J.
*See adv index at end of book*
Dundore Mfg. Co., Reading, Pa.
**FOOTE BROS. GEAR & MACHINE CO.**, 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.**, 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Jones Gear Co., Wayside rd & Nickel Plate R. R., Cleveland, O.

## Gears (Spiral)

See Gears, Cut

## 5399a— Gears (Spring)

**MORSE CHAIN CO.**, Ithaca, New York.
*See adv index at end of book*

## Gears (Spur)

See Gears, Cut

## Gears (Steering)

See Gears, Automobile, Steering; also Gears, Marine, Steering

## 5400—Gears (Steering, Semi-Reversible)

Jackson, Church & Wilcox Co., Saginaw, Mich.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.

## 5401—Gears (Street Car Axle)

Catskill Foundry & Machine Co., Catskill, N. Y.
Cleveland Gear Works, Cleveland, O.
Gear Grinding Machine Co. (Ground), 2296 E. Gd. blvd, Detroit, Mich.
**GENERAL ELECTRIC CO.** (Steel), Schenectady, N. Y.
*See adv index at end of book*
Meisel Press Mfg. Co. (Medium Pitch), 942 Dorchester av, Boston, Mass.
**NUTTALL R. D. CO.**, McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Worcester Gear Works, Worcester, Mass.

## 5401a— *Gears (Timing)

**GENERAL ELECTRIC CO.** ("Fabroil")
Schenectady, N. Y.
*See adv index at end of book*

## 5402—Gears (Tractor Transmission)

American Die & Tool Co., Reading, Pa.
Cotta Transmission Co. ("Cotta"), Rockford, Ill.
Dundore Mfg. Co., Reading, Pa.
**FOOTE BROS. GEAR & MACHINE CO.**, 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.**, 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Jones Gear Co., Wayside Road & Nickel Plate R. R., Cleveland, Ohio.
**MECCA MACHINERY CO.**, 85-87 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

## 5403—Gears (Transmission or Speed Changing)

Akron Gear & Engineering Co., 55 E South, Akron, O.
**AMERICAN DIE & TOOL CO.**, Reading, Pa.
Blood Bros. Machine Co., Allegan, Mich.
Brennan Motor Mfg. Co., Syracuse, N. Y.
Brown, Lipe Gear Co. (Automobile), Syracuse, N. Y.
Brown & Sharpe Mfg. Co. (Repair Parts), Providence, R. I.
Buffalo Engine Co. ("Salisbury"), Buffalo, N. Y.
Cady C. N. Co., Canastota, N. Y.
Cotta Transmission Co. ("Cotta"), Rockford, Ill.
Crofoot Gear Works, Cambridge, Mass.
Cross Gear & Engine Co., 800 Bellevue, Detroit, Mich.
Detroit Gear & Machine Co., 129 Franklin, Detroit, Mich.
Detroit Standard Gear Co. (Automobile & Transmission), Detroit, Mich.
Dundore Mfg. Co., Reading, Pa.
Durston Gear Co., Syracuse, N. Y.
Earle Gear & Machine Co., Stenton & Wyoming, Phila., Pa.
Farrel Foundry & Machine Co., Ansonia, Conn.
Fitch Gear Co., Rome, N. Y.
**FOOTE BROS. GEAR & MACHINE CO.**, 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.**, 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Gear Grinding Machine Co. (Ground), 2296 E Gd. blvd, Detroit, Mich.
Gies Gear Co., Boydell Bldg., Detroit, Mich.
Gleason Works, 2000 University av, Rochester, N. Y.
*See adv index at end of book*
**GRANT GEAR WORKS**, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Grant-Lees Gear Co., 2369 E 69th, Cleveland, Ohio
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Jones Gear Co., Wayside Road & Nickel Plate R. R., Cleveland, Ohio.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Light Mfg. & Fdry. Co. (Automobile), Pottstown, Pa.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av, & P & R Ry, Phila, Pa. *See adv index at end of book*
Lurie John Inc., 1789 B'way, New York
Meachem Gear Corp., Syracuse, N. Y.
*See adv index at end of book*
Mecca Machinery Co., 85-87 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.

Milwaukee Auto Engine & Supply Co., 841 29th, Milwaukee, Wis.
Muncie Gear Works, Muncie, Ind.
Murray W. B., N Winchester & Wabansia avs, Chicago, Ill.
New York Gear Works ("Ball" Improved), 56 Greenpoint av, Brooklyn, N. Y.
Noye Bros. Co., Buffalo, N. Y.
**NUTTALL R. D. CO.** (Repair Parts), McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*
Philadelphia Gear Works, East Vine, Phila., Pa.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Rutenber Motor Co., Marion, Ind.
Sawyer Gear & Mfg. Co., 5120 St. Clair av N. E, Cleveland, O.
Sier-Bath Co., 143 W 54th, New York
Syracuse Gear Co., Syracuse, N. Y.
Tichenor F. C. Gear Works, Peoria, Ill.
Toepfer Frank Sons, 460 National av, Milwaukee, Wis.
Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y. *See adv index at end of book*
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Virtue & Pound Co., Owatonna, Minn.
Warner Gear Co. (Automobile), Muncie, Ind.
Warner T. W. Co., Muncie, Ind.
Waterbury Tool Co. ("Waterbury" Hydraulic Speed, Variable), Waterbury, Conn.

## 5404—Gears (Vanadium Steel)

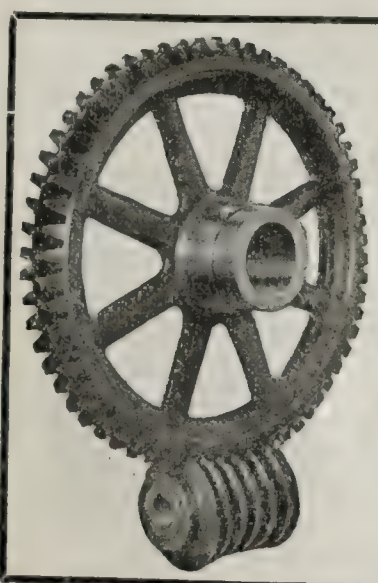
Chain Belt Co., Milwaukee, Wis.
**Crofoot Gear Works, Cambridge, Mass.**
Dundore Mfg. Co., Reading, Pa.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Williams J. H. & Co. (Drop-Forged), 31 Richards, B'klyn, N. Y. *See adv index at end of book*

## 5405— Gears (Wagon)

Akron-Selle Co., Akron, O.
Deere John Wagon Works (Farm, Teaming & Coal), Moline, Ill.
Dundore Mfg. Co., Reading, Pa.
Eureka Bending & Wheel Works (Wood), York, Pa.
Fitch Gear Co., Rome, N. Y.
Gear E. D. Mfg. Co., Inc. ("E. D."), Westfield, N. Y.
Herbrand Co., Fremont, O.
Little J. R. Metal Wheel Co. (Steel), Quincy, Ill.
Owensboro Wagon Co., Owensboro, Ky.
Pay Chas. & Co. (Steel Frame, Low Gears), 307 S Water, Providence, R. I.
Pekin Wagon Co., Pekin, Ill.
Studebaker Corp., South Bend, Ind.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
York Wagon Gear Co. (Carriage), York, Pa.

## 5406— Gears (Worm)

Acme Machine Works, 1500 N 18th, St. Louis, Mo.
Akron Gear & Engng. Co., 55 E South Akron, O.
**ALBAUGH-DOVER CO.**, 2100 Marshall blvd, Chicago, Ill.
Albro-Clem Elevator Co. ("Hindley," "Albro"), D & Erie, Phila., Pa.
American Die & Tool Co., Reading, Pa.
Arthur Co., 188 Front, New York
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Bickett Machine & Mfg. Co., Cincinnati, Ohio
Bilgram Machine Works, 1235 Spring Garden, Phila., Pa.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa. *See adv index at end of book*
Boston Gear Works ("Boston"), Quincy, Mass. *See adv index at end of book*
**Brown A. & F. Co.**, 79 Barclay, New York
**Brown & Sharpe Mfg. Co.**, Providence, R. I.
Bultman F. H. Co., 2108 Superior via Cleveland, O.
**Caldwell H. W. & Son Co. ("Caldwell-Walker")**, 17th & Western av, Chicago, Ill.
Carpenter-Tew Gear Co., 67 35th, Brooklyn, N. Y.
Chain Belt Co., Milwaukee, Wis.
**Cincinnati Gear Co., 1815 Reading rd, Cincinnati, O.**
Cleveland Worm & Gear Co. (Worm Gear Reduction), 1667 E 40th, Cleveland, O.
Colburn Gear & Mfg. Co., Inc., 85 Purchase, Boston, Mass. *See adv index at end of book*
Crofoot Gear Works, Cambridge, Mass.
Cross Gear & Engine Co., 800 Bellevue, Detroit, Mich.
Damascus Bronze Co. ("Damascus" Bronze for Rolling Mills, etc), N S, Pittsburgh, Pa. *See adv index at end of book*
Davis Rodney, 624 Race, Phila, Pa.
Dundore Mfg. Co., 246 Orange, Reading, Pa.
**Earle Gear & Machine Co., Stenton & Wyoming avs, Phila., Pa.**
Eastwood Benj. Co., Paterson, N. J.
**Fawcus Machine Co. (Steel, Iron, Bronze)**, 2818-2828 Smallman st, Pittsburgh, Pa. *See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.**, 213 N Curtis, Chicago, Ill. *See adv index at end of book*
Frost Gear & Forge Co., Jackson, Mich.
**GANSCHOW WM. CO.**, 1001 Washington blvd, Chicago, Ill. *See adv index at end of book*
**GERDES & CO.**, 42 Church, New York *See adv index at end of book*
Gleason Works, 2000 University av, Rochester, N. Y. *See adv index at end of book*
**GRANT GEAR WORKS**, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
**HINDLEY GEAR CO., 1105 Frankford av**, Phila., Pa. *See adv index at end of book*
Horsburgh & Scott Co., 5114 Hamilton av N E, Cleveland, O.
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Meachem Gear Co., Syracuse, N. Y. *See adv index at end of book*
Medart Patent Pulley Co., 3500 DeKalb, St. Louis, Mo.
**Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.**
**MEISSELBACH-CATUCCI MFG. CO.** (Small), 56 Stanton, Newark, N. J. *See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
**MORE-JONES BRASS & METAL CO.** (Phosphor Bronze), B'way & Dock, St. Louis, Mo. *See adv index at end of book*
National Bronze & Aluminum Fdry. Co., 2539 E 79th, Cleveland, O.
**National Gear Wheel Foundry, South & Walker, Pittsburgh, Pa.**
Newark Gear Cutting Machine Co. (Worm Wheels Generated), 69 Prospect, Newark, N. J.
Nilson-Miller Co., 1300-1306 Hudson, Hoboken, N. J. *See adv index at end of book*
**NUTTALL R. D. CO.**, McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*
**Pacific Gear & Tool Wks., 1035 Folsom, San Francisco, Cal.**
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa. *See adv index at end of book*
Philadelphia Gear Works (Brass, etc), East Vine, Phila., Pa.
Pittsburgh Gear & Mach. Co., 27th & Smallman, Pittsburgh, Pa.
**Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.**
Poole Engineering & Mach. Co., Woodberry sta, Baltimore, Md.
Sawyer Gear & Mfg. Co., 5120 St. Clair, N E, Cleveland, O.
**Simonds Mfg. Co. (For Electric Railways, etc), Liberty & 25th, Pittsburgh, Pa.**
Stahl Gear & Machine Co., 1390 E 40th, Cleveland, O.
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**
Tichenor F. C. Gear Works, Peoria, Ill.
Titanium Bronze Co. Inc., Niagara Falls, N. Y.
**TOWNSEND FOUNDRY & MACHINE SHOP CO.**, Broadway & Rennsselaer, Albany, N. Y. *See adv index at end of book*
**Turley Gear & Machine Co., St. Louis, Mo.**
Union Gear & Machine Co., 27 Purchase, Boston, Mass.
United Iron Works, Inc., Kansas City, Mo.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Welch T. F. Co. (Brass), 55 Sudbury, Boston, Mass.

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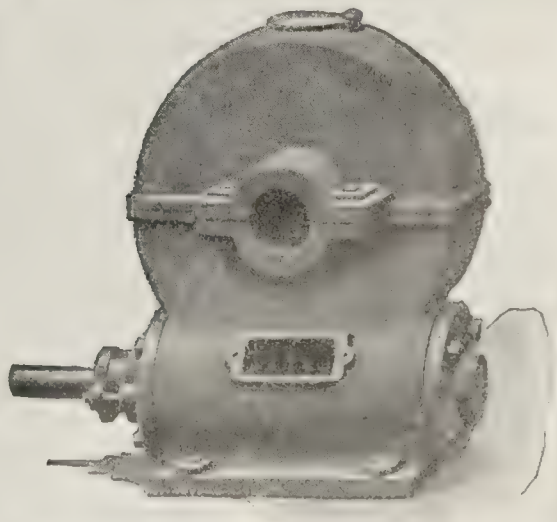

GEARS (WORM)—continued
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Woburn Gear Works, Woburn, Mass.

## 5407— Gears (Worm Bevel)

Dundore Mfg. Co., Reading, Pa.
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.

## 5408—Gears (Worm Gear Reduction)

See also Gears, Cut

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Dundore Mfg. Co., Reading, Pa.
Fawcus Machine Co., 2818-2828 Smallman, Pittsburg, Pa.
*See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 Washington blvd, Chicago, Ill.
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**HINDLEY GEAR CO., 1105 Frankford av,** Phila., Pa. *See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

## 5408a— Gears & Pinions

See also Gears, Cut; also Gears, Machine Molded

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Dundore Mfg. Co., Reading, Pa.
**GERDES & CO.,** 42 Church, New York
*See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.
Wilmington Fibre Specialty Co., Wilmington, Del.
*See adv index at end of book*

## Gears & Pinions (Automobile)

See Gears, Automobile

## 5409—Gears & Pinions (Case Hardened)

Dundore Mfg. Co., Reading, Pa.
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Stroh Steel Hardening Process Co., 1st National Bank bldg, Pittsburgh, Pa.

## 5410—Gears & Pinions ("Fabroil")

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**GENERAL ELECTRIC CO., Schenectady,** N. Y. *See adv index at end of book*
Johnson Gear Co., 737 Folsom, San Francisco, Cal.

## 5410a—Gears & Pinions (Mill)

See also Gears, Mill

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Dundore Mfg. Co., Reading, Pa.
Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.

## 5411—Gears & Pinions (Rawhide)

See also Gears, Cut

**ALBAUGH DOVER CO.,** 2100 Marshall blvd, Chicago, Ill.
*See adv index at end of book*
American Die & Tool Co., Reading, Pa.
Diefendorf Gear Corp., Syracuse, N. Y.
Dundore Mfg. Co., Reading, Pa.
Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*
**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 Washington blvd, Chicago, Ill.
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is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.


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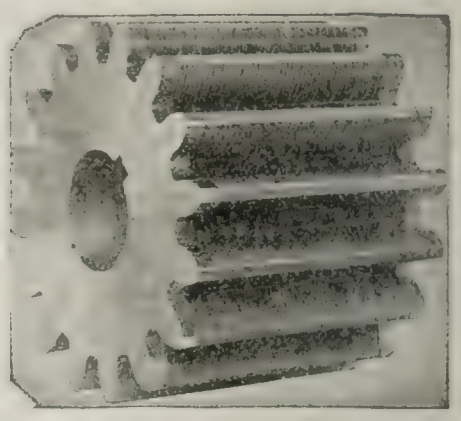

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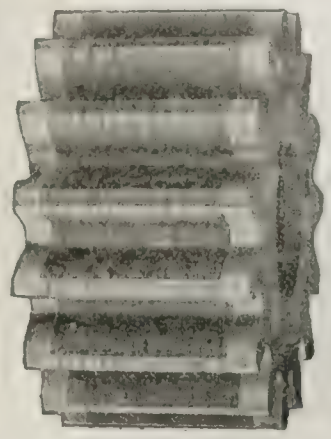
**MEACHEM GEAR CORP.,** Syracuse, N. Y.
*See adv index at end of book*
**MECCA MACHINERY CO.,** 85-87 Adams, Brooklyn, N. Y.
*See adv index at end of book*
**NUTTALL R. D. CO., McCandless & Harrison** av, Pittsburgh, Pa.
*See adv index at end of book*
Stahl Gear & Mach. Co., 1390 E 40th, Cleveland, O.

## 5412—Gears & Pinions (Vanadium)

Crofoot Gear Works, Cambridge, Mass.
Dundore Mfg. Co., 246 Orange, Reading, Pa.
**GRANT GEAR WORKS,** Pearl & Purchase, Boston, Mass.
*See adv index at end of book*

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Mesta Machine Co., Box 1124, Pittsburgh, Pa. Works: Homestead, Pa.
*See adv index at end of book*
Ohio Steel Foundry Co., **Lima, O.**
Penn Seaboard Steel Corp., **Franklin Bank bldg, Phila., Pa.**
*See adv index at end of book*
**Pratt & Letchworth Co., Buffalo, N. Y.**
Union Steel Casting Co., **Pittsburgh, Pa.**
United Engng. & Fdry. Co., Keenan bldg, **Pittsburgh, Pa.**
Van Dorn & Dutton Co., 2978 Woodhill Cleveland, O.
Wheeling Mold & Fdry. Co., **Wheeling**, W. Va.

## 5412a— Gelatin Dynamite

**ATLAS POWDER CO.**, 140 N Broad, Phila., Pa.
*See adv index at end of book*
**GRANT GEAR WORKS**, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
McAbee G. R. Powder & Oil Co., Keenan bldg, Pittsburgh, Pa.

## 5413— Gelatine Mfrs.

**Amer. Agrl. Chem. Co., 2 Rector, New York**
**American Glue Co., 121 Beverly, Boston, Mass.**
Armour Glue & Ammonia Works, San Francisco, Cal.
**Bischoff C & Co. (For Photo Purposes, Imp), 451 Washington, New York**
Brigham Sheet Gelatine Co. (White & Colored), 276 Pearl, New York.
California Glue Works, Fairfax av & Rankin, San Francisco, Cal.
Clarkson Glue Co., 3259 **Shields av, Chicago**, Ill.
Commonwealth Glue Co., **40 N Market**, Boston, Mass.
**Cooper's Peter Glue Factory, 11th av & 28th, New York**
Crystal Gelatine Co., 121 Beverly, Boston, Mass.
Dann T. W. Co., 248 Front, New York
Diamond Glue Co., Robinson & Ill. Mich. Canal, Chicago, Ill.
Essen Gelatine Co., **40 N Market, Boston**, Mass.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**HEWITT, C. B. & BROS.** (Jobbers), 20 Ferry, New York
*See adv index at end of book*
Isaacs S. & Co. (Imp), **100 William, New York**
Kind & Landesmann, Camden, N. J.
Midland Glue Co., Madison, Ind.
Morningstar Chas. & Co., Inc. (Imp.), 349 Broadway, New York
Pfaltz & Bauer (Imp), **300 Pearl, New York**
Stevenot Chas. J. & Co. (Imp), **388 Pearl**, New York
Sullivan Jas. & Son, Marblehead, Mass.
**Townsend Chas. & Bro., 276 Pearl, New York**
United Chem. & Organic Products Co., 111 W Washington, Chicago, Ill.

## 5413a— *Gelatine Sheet

Brigham Sheet Gelatine Co. (White & Colored), 276 Pearl, New York

## 5413b—Generating Cooling Systems

Sturtevant B. F. Co. (Sturtevant), 15 Damon, Hyde Park, Boston, Mass.

## 5413c—*Generating Sets (Gas-Electric)

Sturtevant B. F. Co. ("Sturtevant") (Also Marine), 15 Damon, Hyde Park, Boston, Mass.

## 5414—Generating Sets (Motor)

See also Dynamos & Motors

Allis-Chambers Mfg. Co., Milwaukee, Wis.
Benton Electric Co. (Direct Current, 1 to 100 H.P.), La Crosse, Wis.
Burke Electric Co., Erie, Pa.
Connecticut Dynamo & Motor Co., Irvington, N. J.
Crocker-Wheeler Co., Ampere, N. J.
Cushman Electric Co., Concord, N. H.
**DUQUESNE ELEC. & MFG. CO.** (Up to 75 K.W.), Bessemer bldg., Pittsburgh, Pa. *See adv index at end of book*
Eager Electric Co., Watertown, N. Y.
Eck Dynamo & Motor Co., Belleville, N. J.
Eisemann Magneto Corp., 32 33rd, Brooklyn, N. Y.
Electric Machinery Co. (Direct Current & One, Two & Three Phase Alternating Current, Direct Connected & Belted Types), 14th av & N E Tyler, Minneapolis, Minn.
Engberg Electric & Mechanical Works, St. Joseph, Mich.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fort Wayne Electric Works of General Electric Co., Fort Wayne, Ind.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Hobart Bros. Co., Troy, N. Y.
Ideal Electric & Mfg. Co., Mansfield, O.
Imperial Electric Co., Akron, O.
Jantz & Leist Electric Co., Cincinnati, O.
Lincoln Electric Co., Cleveland, O.
Recording & Computing Machine Co. ("Ahmer"), Dayton, Ohio
**RELIANCE ELECTRIC & ENGINEERING CO.** (Up to 100 K.W.), 1064 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Schramm Chris. D. & Son (Direct Connected 15 to 35 H P), 709 Arch, Phila., Pa.
Triumph Electric Co., Oakley, Cincinnati, Ohio
Wagner Electric Mfg. Co. (Small), 6400 Plymouth av, St. Louis, Mo.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELEC. & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 5415—Generating Sets (Oil Engine)

Jager Chas. J. Co. ("Mason-Jager," also Gasoline), 15 Custom House, Boston, Mass.
Mietz August Corp., 430 E 19th, New York

## 5416—Generating Sets (Steam Engine & Steam Turbo Electric

Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

## Generators (Acetylene)

See Gas Machines, Acetylene

## 5417—Generators (Chlorine)

(Made of Acid Proof Stoneware)

General Ceramics Co. (Clay), 50 Church New York
Graham Chas. Chemical Pottery Works 986 Metropolitan av., Brooklyn, N. Y.

## 5418—Generators (Electric Lighting)

See also Dynamos & Motors

Aaron Electric Co., 9 S Clinton, Chicago, Ill.
Allis Chalmers Mfg. Co. (Direct & Alternating), Milwaukee, Wis.
American Blower Co., **1400 Russell**, Detroit, Mich.
Arrow Mfg. Co. ("Arrow"), 618 Broadway, Toledo, O.
Bell Elec. Motor Co., Garwood, N. J.
Burke Electric Co. (D C & A C), Erie, Pa.
Carleton Co., 170 Summer, Boston, Mass.
Crocker-Wheeler Co. (D C), Ampere, N.J.
Dealers Elec. Ltg. Co. ("Jupiter"), 500 E 40th, Chicago, Ill.
Diehl Mfg. Co., Elizabeth, N. J.
Duquesne Elec. & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Eck Dynamo & Motor Co., Belleville, N. J.
Elec. Machy. Co., 14th av & N E Tyler, **Minneapolis, Minn.**
Elec. Products Co., Clarkstone rd, Cleveland, O.
Electric Specialty Co., Stamford, Conn.
Emerson Elec. Mfg. Co., 2024 Wash av, St. Louis, Mo.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Fidelity Elec. Co., Lancaster, Pa.
Fort Wayne Electric Works of General Electric Co. (D C & A C), Fort Wayne, Ind.
**GENERAL ELECTRIC CO.** (Direct & Alternating), Schenectady, N. Y.
*See adv index at end of book*
Great Lakes Elec. Mfg. Co., 11-17 S Desplaines, Chicago, Ill.
Henricks Magneto & Elec. Co. (For Farm Light Outfit), Indianapolis, Indiana
Hobart Bros. Co., Troy, Ohio
Ideal Electric & Mfg. Co. ("Ideal"), Mansfield, O.
Imperial Electric Co., Akron, O.
Jantz & Leist Electric Co., Cincinnati, O.
Kentucky Elec. Co. (D C), Owensboro, Ky.
Kester Elec. Co., Terre Haute, Ind.
Lincoln Electric Co., Cleveland, O.
Maine Electric Co., Portland, Me.
Marble Card Elec. Co., Gladstone, Mich.
Mechanical Appliance Co., Milwaukee, Wis.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Peerless Elec. Co., 550 W Harrison, Chicago, Ill., & Warren, Ohio
**RELIANCE ELECTRIC & ENGINEERING CO.** (Direct to 100 K.W.), 1064 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Rochester Motors Co., 609 Driving Park av, Rochester, N. Y.
**Robbins & Myers Co. (Up to 15 K W)**, 1400 Lagonda av, Springfield, O.
**Roth Bros. & Co., 1400 W Adams, Chicago**, Ill.
Sprague Electric Works (Direct Current Up to 1000 kw), 527 W 34th, New York
Star Dynamo Co., Jefferson City, Mo.
Star Elec. Motor Co., Miller & N. J. R. R. av, Newark, N. J.
Triumph Electric Co. (Direct & Alternating), Oakley, Cincinnati, O.
U. S. Elec'l Mfg. Co., 300 S Central av, Los Angeles, Cal.
Wagner Electric Mfg. Co. (Direct & Alternating), 6400 Plymouth av, St. Louis, Mo.
Wesche B. A. Elec. Co., 327 E 6th, Cincinnati, Ohio
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Direct & Alternating Current), East Pittsburgh, Pa.
*See adv index at end of book*

## 5419—Generators (Electric Power)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Bell Elec. Motor Co., Garwood, N. J.
Bessemer Gas Engine Co., Grove City, Pa.
Bissell F. Co. ("Bissell"), Toledo, Ohio
Bodine Elec. Car, 2254 W Ohio, Chicago, Ill.
Burke Electric Co. (D C & A C), Erie, Pa.
Crocker-Wheeler Co. (D C), Ampere, N.J.
Cushman Electric Co. (AC), Concord, N. H.
Dealers Elec Ltg. Co. ("Jupiter"), 500 E 40th, Chicago, Ill.
Diehl Mfg. Co., (Direct), Elizabeth, N. J.
**DUQUESNE ELEC. & MFG. CO.**, Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Eager Electric Co. (D C & A C), Watertown, N. Y.
Eck Dynamo & Motor Co., Belleville, N. J.
**Electric Machinery Co. (D C & A C), 14th av & N E Tyler, Minneapolis, Minn.**
**Engberg Electric & Mechanical Works, St. Joseph, Mich.**
Electric Specialty Co., Stamford, Conn.
Emerson Elec. Mfg. Co., 2024 Wash av, St. Louis, Mo.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Fidelity Elec. Co., Lancaster, Pa.
Fort Wayne Electric Works of General Electric Co. (D C & A C), Fort Wayne, Ind.
**GENERAL ELECTRIC CO.** (Direct & Alternating), Schenectady, N. Y.
*See adv index at end of book*
General Railway Signal Co., Rochester, N. Y.
Great Lakes Elec. Mfg. Co., 11-17 S Desplaines, Chicago, Ill.
Green L. A. (Dealer), First Nat'l Bk. Bldg, Pittsburgh, Pa.
Hobart Bros. Co., Troy, Ohio
Holtzer-Cabot Elec. Co., 125 Armory, Boston, Mass.
Ideal Electric & Mfg. Co. ("Ideal"), Mansfield, O.

GENERATORS (ELECTRIC POWER)—continued

Imperial Electric Co., Akron, O.
Jantz & Leist Electric Co., Cincinnati, O.
Kester Elec. Co., Terre Haute, Ind.
Lincoln Electric Co., Cleveland, O.
Marble Card Elec. Co., Gladstone, Mich.
McKeever Electric Co., 244 S High, Columbus, O.
Mechanical Appliance Co., Milwaukee, Wis.
Northwestern Mfg. Co. (Direct Current Up to 75 K W), 482 Clinton, Milwaukee, Wis.
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Peerless Elec. Co., 55 W Harrison, Chicago, Ill., & Warren, Ohio
Perfection Storage Battery Co. ("Jupiter"), 500 E 40th, Chicago, Ill.
**RELIANCE ELECTRIC & ENGINEERING CO.** ("Reliance" Direct Up to 100 K.W.), 1064 Ivanhoe rd, Cleveland, O.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
Robbins & Myers Co. (Up to 15 K W), 1400 Lagonda av, Springfield, O.
Rochester Motors Co., 609 Driving Park av, Rochester, N. Y.
Star Dynamo Co., Jefferson City, Mo.
Star Elec. Motor Co., Miller & N. J. R. R. av, Newark, N. J.
Sturtevant B. F. Co. ("Sturtevant" Direct), 15 Damon, Hyde Park, Boston, Mass.
Triumph Electric Co. (D. C. & A. C.), Oakley, Cincinnati, O.
U. S. Elec'l Mfg. Co., 300 S Central av, Los Angeles, Cal.
Virginian Electric & Machine Works, Charleston, W. Va.
Wagner Electric Mfg. Co., 6400 Plymouth av, St. Louis, Mo.
Wesche B. A. Elec. Co., 327 E 6th, Cincinnati, Ohio
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Direct & Alternating Current), East Pittsburgh, Pa.
*See adv index at end of book*
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 5419a—Generators (Electro Plating)

Bennett-O'Connell Co., 3600 S Morgan, Chicago, Ill.
Bishop W. S., New Haven, Conn.
Bogue Chas. J. Electric Co., 513 W 29th, New York
Boissier El. Co. ("World" Motor), 81-89 10th, Long Island City, N. Y.
Connecticut Dynamo Motor Co., Irvington, N. J.
Cutter & Wood Supply Co., 77 Pearl, Boston, Mass.
*See adv index at end of book*
Eager Electric Co., Watertown, N. Y.
Electric Machinery Co., 14th av & N E Tyler, Minneapolis, Minn.
Electric Specialty Co., Stamford, Conn.
Fidelity Electric Co., Lancaster, Pa.
Hanson & Van Winkle, 269 Oliver, Newark, N. J.
Holtzer-Cabot Electric Co., 125 Armory Boston, Mass.
Ideal Electric & Mfg. Co., Mansfield, Ohio
Jantz & Leist Elec. Co., Cincinnati, O.
Kendrick & Davis Co., Lebanon, N. H.
L'Hommedieu Chas. & Sons Co., 24 S Clinton, Chicago, Ill.
Munning A. P. & Co., Matawan, N. J.
*See adv index at end of book*
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Phoenix Electric Co., Mansfield, Ohio
*See adv index at end of book*
Rochester Motors Co., 609 Driving Park av, Rochester, N. Y.
Stevens Frederick B., 3d & Larned, Detroit, Mich.
*See adv index at end of book*
U. S. Elec'l Mfg. Co., 300 S Central av, Los Angeles, Cal.

## 5420—Generators (Electrolytic)

Ideal Electric & Mfg. Co., Mansfield, O.

## 5421—Generators (Electrotyping)

Jantz & Leist Electric Co., Cincinnati, O.

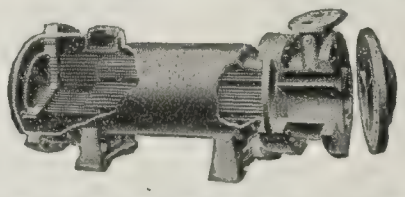
## 5422—Generators (Heat, Hot Water)

American Auxiliary Heating Co., 6 Beacon, Boston, Mass.
Amer. Heating Spec. Co., Box 344, Peru, Ind.
Belknap Mfg. Co., Bridgeport, Conn.
Frost N. E. Co., 175 Jackson blvd, Chicago, Ill.
Honeywell Heating Spec. Co., Wabash, Ind.
Knickerbocker Valve Co., Oneida, N. Y.
Makin Heating Co. ("Maheco"), 1827 Filbert, Philadelphia, Pa.
Milwaukee Heater Mfg. Co., 458 11th av, Milwaukee, Wis.
Phelps Bros. Co., 101 Beekman, New York
Sims Co. ("Sims" Instantaneous or Circulating), 18th & Whitley av, Erie, Pa.
Watson C. David L., Terre Haute, Ind.

## 5423—Generators (Hot Water)

**GRISCOM-RUSSELL CO.** ("Goubert," "Reilly" & G. R. Instantaneous for Buildings, Mfg. Plants, Hospitals, etc), 92 West, New York
*See adv index at end of book*


G-R Instantaneous Heaters



For furnishing hot water for ALL PURPOSES IN ANY QUANTITY DESIRED. UTILIZES HIGH PRESSURE OR EXHAUST STEAM AS THE HEATING MEDIUM.

THE GRISCOM-RUSSELL CO.
92 West Street New York


Hardt Generator Co., Easton, Pa.
Quaker City Iron Works, Tioga & Richmond, Philadelphia, Pa.
Seymour David C., 49 Lawrence, Newark, N. J.
Tyler Fred. A. ("Domestic," Will Fit Any Steam or Hot Water Boiler, Furnace, etc), Albany, N. Y.

## 5424—Generators (Low Voltage)

Arrow Mfg. Co. ("Arrow"), 618 Broadway, Toledo, O.
Eck Dynamo & Motor Co., Belleville, N. J. *See adv index at end of book*
Eisemann Magneto Corp., 32 33d, Brooklyn, N. Y.
Ideal Electric & Mfg. Co. (For Electro-Metallurgical Work, etc), Mansfield, O.
Imperial Electric Co., Akron, O.
Lauraine Magneto Co., Inc. ("Lauraine"), 181 13th, Long Island City, N. Y.

## 5425—Generators (Magneto)

Recording & Computing Machine Co. ("Ohmer"), Dayton, Ohio
Vesta Accumulator Co. ("Vesta"), 2100 Indiana av, Chicago, Ill.

## 5426—Generators (Oxygen & Hydrogen)

Burdett Mfg. Co. (Electrolytic Oxygen), 309 St. Johns ct, Chicago, Ill.
**ELECTROLABS CO.**, 2635 Penn av, Pittsburgh, Pa.
*See adv index at end of book*
**GAS ENGINEERING CO.** (Hydrogen Generating Apparatus), Trenton, N. J.
*See adv index at end of book*
International Oxygen Co. ("I. O. C."), 796 Frelinghuysen av, Newark, N. J.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 5427-8—Generators (Ozone)

Goldberg Ozone Machine Co., Indianapolis, Ind.
Neel-Armstrong Co. ("Oxyoline"), Akron, Ohio
Ozone Pure Airifier Co., 1401 W Jackson blvd, Chicago, Ill.
Rackwood Mfg. Co., Indianapolis, Ind.
Sheynis Ozone Co., 39 Pine, New York
Sprague Elec. Works of G. E. Co., 527 W 34th, New York

## 5429—Generators (Steam)

Harris Municipal Garbage Incinerator & Steam Generator Co. ("Harris"), Nashville, Tenn.
Keokuk Hydraulic Tire Setter Co., Keokuk, Ia.

## 5430—Generators (Street Railway)

See also Generators, Electric Power; also Dynamos & Motors

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Crocker-Wheeler Co., Ampere, N. J.
Ideal Electric & Mfg. Co., Mansfield, O.
Kester Electric Co., Terre Haute, Ind.
Ridgway Dynamo & Engine Co., Ridgway, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Direct & Alternating), East Pittsburgh, Pa. *See adv index at end of book*

## 5430a—*Generators Sulphurous Acid)

Buffalo Fdy. & Machine Co., Buffalo, N. Y.
*See adv index at end of book*

## 5431—Generators (Turbine)

Kerr Turbine Co., Wellsville, N. Y.
General Elec. Co., Schenectady, N. Y.
*See adv index at end of book*
Moon Mfg. Co., 122 N Jefferson, Chicago, Ill.

## 5431a—Generators (Turbo)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Moon Mfg. Co., 22 N Jefferson, Chicago, Ill.
Power Turbo Blower Co., 347 Madison av, New York
Schroeder Headlight & Generator Co., Evansville, Ind.

## 5432—Nickel Silver (Patent Leveled)

Seymour Mfg. Co. (For Soda Fountains, etc), Seymour, Conn.

## 5433-4-5—Giants (Hydraulic)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
**AMERICAN SPIRAL PIPE WORKS**, Chicago, Ill. *See adv index at end of book*
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Seattle Machine Works, 51 W Lander, Seattle, Wash.

## 5436-7—Gibs & Keys

Continental Fibre Co. (Engine Grosshead Fibre, etc), Newark, N. J.
*See adv index at end of book*
Standard Gauge Steel Co., Beaver Falls, Pa.
Standard Turnbuckle Co., Corey, Pa.

## Gilsonite (Domestic)

See Asphalt Miners & Refiners

## Gimlet Mfrs.

See Bits, Gimlet

## 5438—Glass Benders

Cincinnati Beveling & Silvering Co., 430 Oliver, Cincinnati, O.
Clarksburg Glass Co., Clarksburg, W. Va.
Donnelly J. R. Co., 54 Classon av, Brooklyn, N. Y.
Hadley-Dean Glass Co., 11th & Lucas av, St. Louis, Mo.
Oriel Glass Co., 722 Chestnut, St. Louis, Mo.
Popper Leo. & Sons, 143 Franklin, New York
Smith Thos. J. D., 65 Chambers, Newark, N. J.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Tuna Glass Co., Clarksburg, W. Va.
Western Mirror Plate Co., 324 Wade, Cincinnati, O.

## 5439—Glass Bevelers

Alta Glass Beveling Works, 1781 Mission, San Francisco, Cal.
Arlington Art Glass Wks, Atlanta, Ga.

Bloom Alfred Co., Omaha, Neb.
Central Glass Co., Inc., Evansville, Ind.
**Chaudron & Co., 1112 Cathedral, Baltimore, Md.**
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
Cincinnati Beveling & Silvering Co., 430 Oliver, Cincinnati, O.
Dayton Art Glass Works, Dayton, O.
Dayton Lens & Glass Beveling Works, 612-614 Washington, Dayton, Ohio
Donnelly J. R. Co., 54 Classon av, Brooklyn, N. Y.
Empire Ornamental Glass Co., 437 Washington, New York
Galet A., 1121 Mission, San Francisco, Cal.
Gallagher P. J., 24 New Chambers New York
Haskins Art Glass Co., Rochester, N. Y.
Hires Turner Glass Co., 30th & Walnut, Phila, Pa.
Hooker H. M. Co., 651 W Wash, Chicago, Ill.
Ingerson & Glaser Co., 1739 Sacramento, San Francisco, Cal.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Kansas City Stained Glass Works Co., 1514 Wyandotte, Kansas City, Mo.
Pioneer Plate & Window Glass Co., 1070 Mission, San Francisco, Cal.
Popper Leo. & Sons, 143 Franklin, New York
Potts Bros., 173 Grand, N. Y.
Queen City Glass Works, 118 W 2d, Cincinnati, O.
**Raphael H. Co., Los Angeles, Cal.**
Riordan G. C. & Co., 313 Walnut, Cincinnati, O.
McPhee & McGinnity Co., Denver, Colo.
Smith Thos. J. D., Newark, N. J.
Standard Glass & Paint Co., Des Moines, Ia.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Stewart-Carey Glass Co., Indianapolis, Ind.
United Glass Works, 58 Page, San Francisco, Cal.
Von Gerichten Art Glass Co., 557 S High Columbus, O.
Western Mirror Plate Co., 824 Wade, Cincinnati, O.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.
Whittier-Coburn Co., Howard & Beale, San Francisco, Cal.

## 5440—*Glass Blanks (For Cutters of Mangin Mirrors)

**RODEFER GLASS CO. THE, Bellaire, O.**
*See adv index at end of book*

## 5441— *Glass (Carnation)

**WESTERN GLASS CO.,** Streator, Ill.
*See adv index at end of book*

## 5442— Glass (Carrara)

Pittsburgh Plate Glass Co., Frick Bldg, Pittsburgh, Pa.

## 5443—Glass (Cathedral, Rough Plate & Tile)

Advance Glass Co., Newark, O.
Daprato Statuary Co., 766 W Adams, Chicago, Ill. *See adv index at end of book*
Elias Joseph & Co., Inc. (Cathedral), Jackson av, Long Island City, N. Y.
Gray & Son Glass Co., Falls Creek, Pa.
Highland Glass Co., Washington, Pa.
Kokomo Opalescent Glass Co., Kokoma Ind.
Marietta Mfg. Co. (Plain &F ancy Figured), Indianapolis, Ind.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
**WESTERN GLASS CO.** (Rough Plate Only), Streator, Ill.
*See adv index at end of book*

## 5444— Glass (Chipped)

Chaudron & Co., 1112 Cathedral, Baltimore, Md.
Empire Ornamental Glass Co., 437 Washington, New York
Falconer Mirror Co., Falconer, N. Y.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
**Pittsburgh Plate Glass Co., Frick Bldg, Pittsburgh, Pa.**
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Tuna Glass Co., Clarksburg, W. Va.
Western Sand Blast Mfg. Co., 1458 W. Kinzie, Chicago, Ill.

## 5445—*Glass (Crystal, Lead & Lime)

**RODEFER GLASS CO., THE** Bellaire, O.
*See adv index at end of book*

## Glass (Druggists')

See Glassware, Chemical & Druggists'

## 5446— Glass Embossers

Empire Ornamental Glass Co., 437 Washington, New York
**Ingerson & Glaser Co., 1739 Sacramento,** San Francisco, Cal.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Potts Bros., 173 Grand, N. Y.
Rae G. & Co., 173 Prince, New York
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Reith Wm., 134 N 7th, Phila., Pa.
Smith H. J. & Sons, 236 S 8th, Phila, Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.

## 5447— Glass Enamelers

Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Von Gerichten Art Glass Co., 557 S High, Columbus, O.
Western Sand Blast Mfg. Co., 1027 W Madison, Chicago, Ill.

## 5448— Glass (Figured)

Elias Joseph & Co., Inc., Jackson av, Long Island City, N. Y.
Helmerich & Co., 719 Fulton, Chicago, Ill.
**WESTERN GLASS CO.,** Streator, Ill.
*See adv index at end of book*

## Glass (F[illegible] Retardant)

See Glass, Wire

## 5449—Glass Floor Plate Mfrs.

Mississippi Glass Co., 220 5th av, New York
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
**WESTERN GLASS CO.,** Streator, Ill.
*See adv index at end of book*

## 5450—Glass (For Diffusion of Light)

Highland Glass Co., Washington, Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
**WESTERN GLASS CO.** ("Holly"), Streator, Ill. *See adv index at end of book*

## 5451—Glass for Electrical Use

Canton Glass Co., Marion, Ind.
Whitall, Tatum Co., 410 Race, Phila., Pa.

## 5452—Glass for Engineering Specialties

See also Gauge Glass Importers

Bache, Semon & Co., 636 Greenwich, New York
Canton Glass Co., Marion, Ind.
Gillinder & Sons, State & Devereaux, Phila, Pa.

## 5453— Glass (Fused Quartz)

Engelhard Chas., Selling Agt. ("Transparent), 30 Church, New York

## Glass Globes and Shades

See Globes, Various Kinds; also Shades, Glass & Porcelain, etc

## 5454— Glass (Ground)

Chrystal Charles B. (Imp.), 13 Cliff, N. Y. *See adv index at end of book*
Cooper Chas. & Co. (For Polishing), 194 Worth, New York
Elias Joseph & Co., Inc., Long Island City, N. Y.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Tuna Glass Co., Clarksburg, W. Va.
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 5455—Glass House Clay Supplies

Beaver Valley Pot Co., Rochester, Pa.
Buckeye Clay Pot Co., Toledo, O.
Dubois Clay Mfg. Co., Dubois, Pa.
Findlay Clay Pot Co. (Pots, Tank Blocks, Flattening-Stones, Tank Rings, Floaters, etc), Findlay, O.
Gill Clay Pot Co., Muncie, Ind.
Laclede Christy Clay Products Co., Railway Ex. bldg., St. Louis, Mo.
New Jersey Clay Pot Co., Vineland, N. J.
Ohio Valley Clay Co., Steubenville, O.
Pittsburgh, Clay Pot Co., 1261 Reedsdale, Pittsburgh, Pa.
Willets Co., 10th & Bradford, Pittsburgh, Pa.
Woods-Lloyd Co., S 30th & Jane, Pittsburgh, Pa.

## 5456—Glass House Furnace Builders

Amsler-Morton Co., Farmers Bank bldg, Pittsburgh, Pa.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Smythe S. R. Co., House bldg, Pittsburgh, Pa.

## 5457— Glass (Leaded)

See also Glass Stainers

Alberts J. B., 307 1st, Louisville, Ky.
**Arlington Art Glass Works, Atlanta, Ga.**
Brand Gustave A. & Co., 1428 Michigan av, Chicago, Ill.
Bryant Bros Co., 79 E Main, Columbus, O.
Bunce Art Glass Co., Richmond, Va.
Century Stained Glass Works (Ltd.), 212 S 11th, Phila., Pa.
Chapin Louis S., Rochester, N. Y.
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
Clinton Glass Co., 1000 W 21st, Chicago, Ill.
Dayton Art Glass Works, Dayton, O.
Decorative Art Glass Co., Davenport, Ia.
Dayton Lens & Glass Beveling Wks., 612-614 Washington, Dayton, Ohio
Detroit Mirror Works, 4th & Porter, Detroit, Mich.
Detroit Window & Stained Glass Co., Detroit, Mich.
Eberhardt Hugo & Co., 2411 W 12th, Chicago, Ill.
Elias Joseph & Co., Inc., Long Island City, N. Y.
Flanagan & Biedenweg Co., 312 W Illinois, Chicago, Ill.
Ford Bros. Glass Co., 207 Washington av, N, Minneapolis, Minn.
Fuller & Goepp, 34 Davis, San Francisco, Cal.
Geissler R., 56 W 8th, New York
Giannini & Hilgart, 222 W Madison, Chicago, Ill.
Gustafson J. H., Rochester, N. Y.
Hadley-Dean Glass Co., 11th & Lucas av, St. Louis, Mo.
Haskins Art Glass Co., Rochester, N. Y.
Hausleiter Julius & Co., 298 Fulton, Brooklyn, N. Y.
Heinigke & Smith, 24 E 13th, New York
Henderson Bros., 317 E 64th, New York
Highland Glass Co., Washington, Pa.
Hooker H. M. Co., 651 W Washington, Chicago, Ill.
Hooper-Dombrink Art Glass Co., Oakland, Cal.
Hunt Henry, 114 Wabash, Pittsburgh, Pa.
Jackson Glass Works, Jackson, Mich.
Jacoby Art Glass Co., 2700 St. Vincent, St. Louis, Mo.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Kansas City Stained Glass Works Co., 1514 Wyandotte, Kansas City, Mo.
Key City Decorative Glass Works, Dubuque, Ia.
Lee Edw. F. Glass Co., 136 E Fort, Detroit, Mich.
Maginn Chas., 17 E 14th, New York

GLASS (LEADED)—continued
Morgan Co. (Art), Oshkosh, Wis.
O'Halloran's Thos. Sons, 276 Halsey, Newark, N. J.
Payne Geo. H., Paterson, N. J.
**Pittsburgh Plate Glass Co., Frick bldg, Pittsburgh, Pa.**
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Righter & Kolb, 420 Madison av, New York
Riordan G. C. & Co., 313 Walnut, Cincinnati, O.
Rockford Art Glass Works, Rockford, Ill.
**Rossbach Art Glass Works, 101 W Broad, Columbus, Ohio**
Sharpe Bros., 951 Broad, Newark, N. J.
Snowdon George, Utica, N. Y.
Spiers, Lederle Glass Co., 257 W 29th, New York
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Temple Art Glass Co., 404 W Erie, Chicago, Ill.
Tiffany Studios, 361 Madison av, N. Y.
Toledo Art Glass & Mirror Works, Toledo, O.
United Glass Works, 58 Page, San Francisco, Cal.
Von Gerichten Art Glass Co., 557 S High, Columbus, O.
Wallis A. H., 3308 Easton, St. Louis, Mo.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.
Wood Clarence W., Syracuse, N. Y.
Wood Glass Co., Syracuse, N. Y.

## 5458— Glass Mosaic Work

Armstrong, Maitland & Co., 58 W 10th, New York
Binswanger & Co., Richmond, Va.
Decorative Glass Studios Inc., 512 W 21st, New York
Flagg L. G. & Co., Sudbury bldg, Boston, Mass.
Ford Bros. Glass Co., 207 Washington av N, Minneapolis, Minn.
Geissler R., 56 W 8th, New York
Giannini & Hilgart, 222 W Madison, Chicago, Ill.
Grand Rapids Art Glass Co., Grand Rapids, Mich.
Heinigke & Smith, 24 E 13th, New York
Henderson Bros., 317 E 64th, New York
Lamb J. & R., 25 6th av, New York
McCully & Miles Co., 202 N Wabash av, Chicago, Ill.
Maginn Chas., 17 E 14th, New York
Michigan Glass Works, 481 Franklin, Detroit, Mich.
Morgan Jno. & Sons, 17 Union av, Brooklyn, N. Y., & 32 E 9th, New York
Petgen Co., 6709 Hamilton av, Pittsburgh, Pa.
Puddicombe H. & Co., New Haven, Conn.
Rae G. & Co., 173 Prince, New York
Righter & Kolb, 420 Madison av, New York
Riordan G. C. & Co., 313 Walnut, Cincinnati, O.
Speirs Richard N., 257 W 29th, New York
Summers C 1455-59th, Brooklyn, N. Y.
Tiffany Studios, 361 Madison av, N. Y.
Tyrolese Art Glass Co., 25 W B'way, New York
Von Gerichten Art Glass Co., 557 S High, Columbus, O.
Wallis A. H., 3308 Easton, St. Louis, Mo.

## 5459— Glass Opal Blanks

Canton Glass Co., Marion, Ind.
Popper Leo & Sons, 143 Franklin, New York
**RODEFER GLASS CO., THE.** (For Decorators), Bellaire, O.
*See adv index at end of book*

## 5460— Glass (Opalescent)

Bournique Glass Co., Kokomo, Ind.
Clarksburg Opalescent Glass Works, Clarksburg, W. Va.
Dannenhoffer Glass Works, 330 Himrod, Brooklyn, N. Y.
Elias Joseph & Co., Inc., Long Island City, N. Y.
Highland Glass Co., Washington, Pa.
Kokomo Opalescent Glass Co. (Sheet), Kokomo, Ind.
Marietta Mfg. Co., Indianapolis, Ind.
Peltier Glass Co., Ottawa, Ill.
**RODEFER GLASS CO, THE,** Bellaire, O.
*See adv index at end of book*

Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Wissmach Paul Glass Co., Meadow, Long Island City, N. Y.

## 5460a— Glass (Optical)

Bache Semon & Co. (Imp), 636 Greenwich, New York.
Triplex Safety Glass Corp. of Am. (For Aircraft & Goggles), 19 W 44th, New York

## 5461— Glass (Photographic)

Bache Semon & Co. (Imp), 636 Greenwich, New York.
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.

## 5462—*Glass (Plano Convex and Double Convex Blanks for Cutting & Polishing)

Rodefer Glass Co., The Bellaire, O.
*See adv index at end of book*

## Glass (Plate Prism)

See Glass, Prismatic

## 5463—Glass (Plate & Window, Wholesale & Retail)

### ALABAMA.

BIRMINGHAM — **Birmingham Paint & Glass Co.**
ENSLEY—Byrum Hdw. Co.

### ARKANSAS.

LITTLE ROCK—**Abeles Chas. T. & Co.**

### CALIFORNIA.

LOS ANGELES—**Dixon Glass Co.**
Fuller, W. P. & Co.
Raphael H. Co., **641 S Main**
OAKLAND—**Fuller W. P. & Co.**
Cobbleick-Kibbe Glass Co.
SACRAMENTO—**Fuller W. P. & Co.**
SAN DIEGO—**Fuller W. P. & Co.**
SAN FRANCISCO—A. Galet, 1121 Mission
Friedman Bros., 461 Valencia
Fuller W. P. & Co., 301 Mission
Fuller & Goepp, 34 Davis
Habenicht & Howlett, Inc., 525 Clay
Mutual Plate & Window Glass Co., 1921 Mission
Pioneer Plate Window Glass Co., 1070 Mission
Whittier-Coburn Co., **Howard & Beale**

### COLORADO.

DENVER—Hallack Lumber & **Supply Co.** 3901 Gilpin
Hallack & Howard Lumber Co.
James B. L., Mercantile **& Mfg. Co.**
McPhee & McGinnity Co.

### CONNECTICUT.

HARTFORD—Andrews & **Peck Co.**
Nims, Whitney & Co.
Trant John C.
NEW BRITAIN—Rackliffe Bros. Co., Inc.
NEW HAVEN—Brodner K.
Morgan & Humiston Co.
TORRINGTON—Hotchkiss Bros. Co.

### DELAWARE.

WILMINGTON—Bradford James Co.

### DISTRICT OF COLUMBIA.

WASHINGTON—Barber & Ross, 11th, c G, N W
Brown R. M., 1252 7th, N W
Muth Geo. F. & Co., 418 13th, N W
Reilly Hugh, 1334 New York av, N W
Smith Thos. W., 1st c Ind. av, N W

### GEORGIA.

ATLANTA—Georgia Paint & Glass Co.
Pittsburgh Plate Glass Co. (Mfrs.)
SAVANNAH—Butler J. G. **Builders' Supply Co.**

### ILLINOIS.

CHICAGO—Active Glass Co ., 740 S Wabash av
American Luxfer Prism Co., 1305 S 55th
American Window Glass Co., 122 S Michigan av
**Bein E. & Co., 1632 Milwaukee av**
Berger S. K., 414 S Dearborn
**Chicago Building Glass Co., 3516 N** Clark
Cooperative Plate Window Glass Co., 5914 S Racine av
Hooker H. M. Co.,651 W Washington
**Imperial Glass Co., 29 E Madison**
Johnston Brokerage Co., 111 W Monroe
Metropolitan Glass Co., 1545 N Western av
National Glass Co., 705 Blue Island av
Buren
Pittsburgh Plate Glass Co. (Mfrs), 451 St Clair
Sprague Smith Co., 164 W Randolph
Standard Glass Co., 2533 Cottage Grove av
Swanson J. Glass Co., 168 W Chicago av
Tyler & Hippach, 366 W Ohio
OTTAWA—Sanders Bros. Mfg. Co.
**PEORIA—Wahlfeld Mfg. Co.**
QUINCY—Garretts Henry G. **& Sons**
Heidbreder Bros. & Co.
Oenning Glass & Book Co.
**Young Bros. Decorative Co.**
ROCK ISLAND—Rock Island Sash & Door Works
Volk John & Co.
SPRINGFIELD—Power Chas. A.
STREATOR—Williams Hardware Co., Williams bldg
*See adv index at end of book*

### INDIANA.

EVANSVILLE—Central Glass Co., Inc.
Evansville Paint & Varnish Co.
Johnson Elmer C.
FORT WAYNE—Schlatter C. C. & Co.
INDIANAPOLIS—Aldag Paint & **Varnish** Co.
Indianapolis Paint & Color Co.
Johnson-Woodbridge Co.
**Sargent Paint Co., N. J. & Mass av**
Stewart-Carey Glass Co.
KOKOMO—Armstrong Landon Co.
**LAFAYETTE—Lafayette Lbr. Co.**
Taylor Lbr. Co.
RICHMOND—Jones Hardware Co.
Miller Bros. Hardware Co. **(Window** Glass)
TERRE HAUTE—Adamson & Anderson
Krietenstein Geo. W. & Son.

### IOWA.

CALMAR—Calmar Mfg. Co.
**CEDAR RAPIDS—Williams & Hunting Co.**
CLINTON—Curtis Brothers & Co.
DAVENPORT—Gordon, Vantine Co.
McClelland T. W. Co.
Pittsburgh Plate Glass Co.
DES MOINES—Carr & Baal Co. (Wholesale Only)
DUBUQUE Carr-Ryder & Adams Co.
Farley & Loetscher Mfg. Co.
LYONS—Disbrow M. A. & Co.

### KANSAS.

EMPORIA—Emporia Lbr. & Coal Co.
**HUTCHINSON—Hutchinson Lumber & Planing Mill Co**
WICHITA—United Sash & Door Co.
Wichita Sash & Door Co.
**Young Bros Decorating Co**

### KENTUCKY.

LOUISVILLE—Hughes W. J. & Sons Co.
Peaslee-Gaulbert Co.

### LOUISIANA.

NEW ORLEANS—
**Louisiana Glass & Mirror Works, 309 Lafayette**

### MAINE.

PORTLAND—King & Dexter Co.

### MARYLAND.

BALTIMORE—Baker Bros. & Co., 27 S Gay
Chaudron & Co, 1112 Cathedral
Kaufman E. L. & Co., Liberty & Fayette
Selm Henry & Co., Fayette & Howard

### MASSACHUSETTS.

BOSTON—Boston Plate & Window Glass Co., 287 A
Millen A. & Co., 26 Kneeland
Pittsburgh Plate Glass Co., 99 Portland
Standard Plate Glass Co., 30 Sudbury
WORCESTER—Marble J. Russell & Co.

### MICHIGAN.

DETROIT—American Paint & Glass Co. 129 Fort, W
Boydell Bros., White Lead & Color Co., 40 E Lafayette
Detroit Window & Stained Glass Co.
Frohlich Glass Co., Larned & Shelby
Pittsburgh Plate Glass Co., 53 Larned, E
Schroeder Paint & Glass Co., 47 Cadillac sq
JACKSON—Jackson Glass Works

### MINNESOTA.

DULUTH—Paine & Nixon Co.
St. Germain Bros.
MINNEAPOLIS—Forman, Ford & Co., 111 S 2d
Janney, Semple, Hill & Co., 1st av S & 2d
Northwestern Glass Co, 219 N 2nd
Pittsburgh Plate Glass Co. (Mfrs), 500 S 3d
ST. PAUL—Mann F. R. & Son, 437 St. Peter
Noyes Bros. & Cutler, 6th & Sibley
Pittsburgh Plate Glass Co., 459 Jackson
Whitehead Wm. G. Glass Co., 180 W 4th

### MISSOURI.

KANSAS CITY—American Sash & Door Co.
Campbell Glass & Paint Co, 1421 Walnut
Faxon & Gallagher Drug Co, 80 Broadway
Johnston Brokerage Co.
Pittsburgh Plate Glass Co. (Mfrs), 5th & Wyandotte
McDonald Paint & Glass Co., 1408 Grand av
Sewall Paint & Glass Co, 1009 W 8th
Huttig Mill Work Co.
ST. JOSEPH—Pimbley Paint & Glass Co.
ST. LOUIS—Campbell Glass & Paint Co., 816 N 7th
Condie-Bray Glass & Paint Co., B'way & Benton
Hadley-Dean Glass Co.
Hafner Mfg. Co., Main & Dock
Obear-Nester Glass Co., 2d & Chestnut
Other J. C. Art Glass Co., 312 N 17th
Pittsburgh Plate Glass Co., 10th & Spruce
Pockels Drug, Glass & Paint Co., Jefferson & Gravois
Thatcher-Kerwin Glass Co., 515 Spruce
Weigelt Glass & Mirror Co., 615-7 So 6th
Wendling Jos. Art Glass Co., 207 S Broadway
SPRINGFIELD—Springfield Pl'g Mill & Construction Co.
VALLEY PARK—Missouri Plate Glass Co.

### MONTANA.

HELENA—Parchen Drug Co.

### NEBRASKA.

LINCOLN—Western Glass & Paint Co.
OMAHA—Pittsburgh Plate Glass Co.
Richardson Drug Co., 902 Jackson

### NEW JERSEY.

HOBOKEN—Bloomberg Saml.
JERSEY CITY—Max Lewis, 52 Green
NEWARK—Bass Saml. M., 38 Belleville av
Hockenjos J. J. Co., 829 Broad
Smith T. J. D., 65 Chambers
Newark Glass Co., 271 Market
Vanhorne D. A. & Co., 311 Mt. Pleasant av
PATERSON—Hamilton Lumber Mfg. Co.
Kier A. H.

### NEW YORK.

ALBANY—Bradstreet Wm. H., 165 S Pearl
Cameron G. V. & F. W., 284 Central av
BINGHAMTON—Binghamton Glass Co.
Lawrence Paint Co.
Sanders H. H.
BROOKLYN—(See N. Y. City, Borough of Brooklyn
BUFFALO—Becker Glass & Paint Co., 372 Pearl
Booth Art Glass Co., 84 W Huron
Buffalo Glass Co., 101 Seneca
Fostoria Glass Co., 60 Pearl
Fritzsche & Kleason, 197 E Genesee
Pittsburgh Plate Glass Co., 372 Pearl
Post's John C. Sons, 52 S Division
Wright A. B. & Co., 230 Washington
ELMIRA—Booth Irving D.
ITHACA—Treman, King & Co.

### NEW YORK CITY.

#### Borough of Brooklyn

BROOKLYN—Donnelly J. R. Co., 54 Classon av
Friedlander Jos. B. B. Co., 233 Washington
Lazansky Emil, 324 Myrtle av
Pittsburgh Plate Glass Co., 3d av & Dean

#### Boroughs of Manhattan and Bronx.

NEW YORK—Allison & Doughty, 559 W 37th
Bache, Semon & Co., 636 Greenwich
Bartelstone Bros., 4179 3d av
Crane Glass & Mfg. Co., 392 Hudson
Dunham Thos. C., 68 Murray
Edmonds Thos. C. & Co., 1826 Park av
Goldman Philip, 36 E 9th
Goldstein Louis, 231 Bowery
Griffen Benjamin, 40 Vestry
Harris L. & Sons, 177 Greenwich
Holbrook Bros., 89 Beekman
Hutkoff Nathan & Co., 80 Greene
Johnston Brokerage Co., 309 Bway
Kahn Jacques, 533 W 37th
Morris Theo. W. & Co., 440 Canal
Pittsburgh Plate Glass Co., 322 Hudson
Popper Leo & Sons, 143 Franklin
Rubin Jacob, 11 James
Schottland Benjamin, 105 Wooster
Von Buhren George, 9 Baxter
Weber C. S. & Co., 8 Desbrosses

#### Borough of Queens.

LONG ISLAND CITY—Elias Jos. & Co., Jackson av

**(End of New York City)**

ROCHESTER—Barnard, Porter & Remington
Clark Paint, Oil & Glass Co.
Rugg C. H. Co.
SYRACUSE—Brown Clinton C.
Burhans & Black (Inc.)
Wood Clarence W.
Wood Glass Co.
TROY—Curtis Fred W.
Dauchy Chas. H. Co.
Thompson John L. Sons & Co.
UTICA—Kellogg Chas. C. & Sons Co.

### OHIO.

CINCINNATI—Cincinnati Plate Glass Co., 319 W 2d
Foy Paint Co., 230 E 5th
Glenny Wm. Glass Co., 10 W Commerce
Kolbe John Co., 229 W 5th
Meyer E. H. & Co., 35 E Court
Neuer H. Glass Co., 518 Reading rd
Pittsburgh Plate Glass Co., B'way & Court
Washburn Ira D. Co., 906 Central av
CLEVELAND—Cleveland Window Glass & Door Co., 209 Champlain av, N W
Crane Glass & Mfg. Co., 206 St. Clair av
Diamond Glass Co., 1447 W 25th
Ohio Sash & Door Co., 711 Canal rd, N W
Pittsburgh Plate Glass Co. (Mfrs), 3847 Hamilton av
Saunders J. A. Co., 11830 Detroit av
Teachout A. Co., 231 Prospect av, N W
COLUMBUS—Columbus Plate & Window Glass Co., 69 E Long
Coulson J. W. & Co.
Jones W. R. & Co. (Mfrs), Outlook bldg
Von Gerichten Art Glass Co., 557 S High
DAYTON—Irvin, Jewell & Vinson Co.
West Side Lumber Co.
HILLSBORO—Enterprise Planing Mill Co. (Wholesale, etc)
TOLEDO—Toledo Plate & Window Glass Co.
YOUNGSTOWN—Youngstown Glass & Paint Co.

### OREGON.

PORTLAND—Central Door & Lumber Co.
Fisher, Thorsen & Co.
Illinois-Pacific Glass Co.
Pioneer Paint Co.
Rasmussen & Co.

### PENNSYLVANIA.

ERIE—Erie Window Glass Co.
PHILADELPHIA—Bennett G. S. & Co., 114 N 9th
Bennett H. L., Phila. Bourse
Hires, Turner Glass Co., 30th & Walnut
Johnston Brokerage Co., Franklin Bank bldg
Knorr Edwin B. & Bro., 1817 Orthodox, Fkd
Pittsburgh Plate Glass Co., 11th & Arch
Shoemaker Benj. H., 205 N 4th
Star Glass Co., 226 N 4th
Steele Glass Co., 622 Locust
United States Glass Co., Denckla bldg
PITTSBURGH—Conroy-Prugh Co. (Jobbers), 1430 Western av
Cunningham D. O. Glass Co., Jane & 22d
Johnston Brokerage Co., 1st Nat. Bk. Bldg.
Kim Geo. A. & Co., 318 1st av
Pittsburgh Plate Glass Co., Frick Bldg
READING—Kase J. M. & Co.
RIDGWAY—Hyde-Murphy Co.

### RHODE ISLAND.

PAWTUCKET—Tingley Frank E.
PROVIDENCE—Johnson Oliver & Co., 24 Custom House
Perkins Bros. Co., 970 Westminster
Providence Sash & Blind Co., 309 Dean
Rosenblatt Henry, 148 Fountain
Smith-Holden Co., 24 South Water
Starkweather & Williams Co., 47 Exchange pl

### SOUTH CAROLINA.

CHARLESTON—Bird W. M. & Co.

### TENNESSEE.

MEMPHIS—Binswanger & Co.,
Cole Mfg. Co.
NASHVILLE—Beasley & Sons Co.
Riddle Co.
Warren Bros. Co.

### TEXAS.

DALLAS—Texas Glass & Paint Co.
EL PASO—Tuttle Paint & Glass Co.
GALVESTON—Baulard V. L. & Co.
Smith J. F. & Bro.

### UTAH.

OGDEN—Ogden Paint, Oil & Glass Co.
SALT LAKE CITY—Culmer S. Co.

GLASS (PLATE & WINDOW)—continued

VIRGINIA.

NORFOLK—Building Supplies Corp.
Nash C. A. & Son
PORTSMOUTH—Hawks-Maupin Co. (Retail)
RICHMOND—Rubens Paint & Glass Co.
Binswanger & Co.

WASHINGTON.

SEATTLE—Belknap C. C. Glass Co.
Fuller W. P. & Co.
SPOKANE——Fuller W. P. & Co.
TACOMA—Fuller W. P. & Co
Wheeler-Osgood Co.

WEST VIRGINIA.

WHEELING—Chapman W. H. & Sons
Wilson W. A. & Sons (Ornamental Prism Plate)

WISCONSIN.

APPLETON—Miller Lumber Co.
LA CROSSE—Segelke & Kohlhaus Mfg. Co.
MILWAUKEE—Patek Bros., 232 E Water
Pittsburgh Plate Glass Co., 486 Market
Yahr & Lange Drug Co., 207 E Water
Zummach Wm. F., 283 W Water
OSHKOSH—Morgan Co.
RACINE—Driver Thos. & Sons Mfg. Co., Ltd.)
Weber-Bahnemann Co.

## 5464—Glass (Polished Plate, Mfrs.)

Allegheny Plate Glass Co., Glassmere, Pa.
American Plate Glass Co., Kane, Pa.
Columbia Plate Glass Co., Blairsville, Pa.
Federal Plate Glass Co., Ottawa, Ill.
Ford Edw. Plate Glass Co., Rossford, O.
Heidenkamp Plate Glass Co., Springdale, Pa.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio
Missouri Plate Glass Co., Valley Park, Mo.
Pittsburgh Plate Glass Co., Frick bldg, Pittsburgh, Pa.
Saginaw Plate Glass Co., Saginaw, Mich.
Bache, Semon & Co. ("Argentine"), 636 Greenwich, New York
Standard Plate Glass Co., 30 Sudbury, Boston, Mass., & Butler, Pa.

## 5465—*Glass (Polished Wire)

Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
**WESTERN GLASS CO.**, Streator, Ill.
*See adv index at end of book*

## 5466—Glass (Pressed Light, Mfrs.)

Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
**RODEFER GLASS CO., THE, Bellaire, O.**
*See adv index at end of book*
U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.

## 5467—Glass (Prismatic Mfrs.)

See also Glass, Vault and Sidewalk

American Bar Lock Co. ("Bar Lock" & "Nu Plan" with 3 Point Prism Lights), Long Island City, N. Y.
American Luxfer Prism Co., General Office & Factory, 1305 S 55th, Chicago, Ill.
American Three-Way Prism Co. (Three-Way Prisms), Main Office: La Porte, Ind.
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Daylight Glass Mfg. Co., 411 Walnut, Philadelphia, Pa.
Highland Glass Co. (Plate, etc), Washington, Pa.
Maltby Reflector & Prism Co., Flatiron bldg, New York
New York Prism Co., 141 Spring, New York
Pressed Prism Plate Glass Co. ("Imperial" Plate Prism Glass), Morgantown, W. Va.
**RODEFER GLASS CO. THE** (For Architectural Iron Work), Bellaire, O.
*See adv index at end of book*
Solar Prism Co., Cleveland, O.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
**WESTERN GLASS CO.**, Streator, Ill.
*See adv index at end of book*

Wyle J. J. & Bros., Inc. (For Cut Glass Chandeliers) (Imp.), 20 E 27th, New York

## 5468— Glass (Resilvering)

Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Stewart-Carey Glass Co., Indianapolis, Ind.

## 5469—Glass (Rough, Ribbed & Figured Rolled Plate Mfrs.)

Advance Glass Co., Newark, O.
Gray & Son Glass Co., Falls Creek, Pa.
Highland Glass Co., Washington, Pa.
Marietta Mfg. Co., Indianapolis, Ind.
Mississippi Glass Co., 220 5th av, New York
Pennsylvania Wire Glass Co., Pennsylvania bldg, Phila., Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
**WESTERN GLASS CO.**, Streator, Ill.
*See adv index at end of book*

## 5470—*Glass (Rough & Ribbed, for Skylights)

**WESTERN GLASS CO.**, Streator, Ill.
*See adv index at end of book*

## 5471— Glass (Sand Blast)

Empire Ornamental Glass Co., 437 Washington, New York
Falconer Mirror Co., Falconer, N. Y.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.

## 5472—Glass (Skylight, Mfrs.)

Binswanger & Co., Richmond, Va.
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Highland Glass Co., Washington, Pa.
Marietta Glass Mfg. Co., Indianapolis, Ind.
Mississippi Glass Co., 220 5th av, New York
Missouri Plate Glass Co. (Rough), Valley Park, Mo.
Pennsylvania Wire Glass Co., Pennsylvania, bldg, Phila., Pa.
**RODEFER GLASS CO. THE** (For Architectural Iron Work), Bellaire, O.
*See adv index at end of book*
Sergeant Glass Co., Williamsport, Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
**WESTERN GLASS CO.**, (Rough & Ribbed, etc), Streator, Ill.
*See adv index at end of book*

## 5472a— *Glass (Smalting)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5472a1— *Glass (Solite)

Western Glass Co., Streator, Ill.
*See adv index at end of book*

## 5473—*Glass Specialties (Blown & Pressed)

**RODEFER GLASS CO. THE**, Bellaire, O.
*See adv index at end of book*

## 5473a— *Glass (Stained)

See also Windows, Glass Stained; also Windows, Cathedral, etc.
Daprato Statuary Co., 766 W Adams, Chicago, Ill. *See adv index at end of book*
Hunt Henry, 114 Wabash, Pittsburgh, Pa.

## 5474— Glass Stainers

See also Memorial Windows

CALIFORNIA.

OAKLAND—Hooper-Dombrick Art Glass Co.
Stagnars Art Glass Works, 10th & Webster
SAN FRANCISCO—Ingerson & Glaser Co., 1739 Sacramento
Munich Art Glass Co., 667 Mission
San Francisco Art Glass Co., 505 Ellis
United Glass Works, 58 Page

CONNECTICUT.

BRIDGEPORT—Bridgeport Art Glass Co.
HARTFORD — Hartford Stained Glass Works
NEW HAVEN—Beckman Otto F. Co.
Puddicombe H. & Co.

ILLINOIS.

CHICAGO—Clinton Glass Co., 1000 W 21st
Eureka Art Glass Co., 2915 Lincoln
Flanagan & Biedenweg Co., 312 W Illinois
Giannini & Hilgart, 222 W Madison
Heidelmeier Art Glass Works, 4613 W Clark
Hooker H. M. Co., 651 W Wash'n
Linden Co., 1216 S Michigan av
Munich Studio, 300 W South Water
National Art Glass Co., 5247 S Green
Neuhauser David L., 326 W Grand av
Rawson & Evans Co., 710 W Wash'n blvd
Temple Art Glass Co., 404 W Erie
Western Sand Blast Mfg. Co., 1458 W Kenzie
ROCKFORD—Rockford Art Glass Works

INDIANA.

INDIANAPOLIS—Schurmann E.
Stewart-Carey Glass Co.

IOWA.

DAVENPORT—Decorative Art Glass Co.
DES MOINES—Allward-Bowman Glass Co.
DUBUQUE—Key City Decorative Glass Works

LOUISIANA.

NEW ORLEANS—Louisiana Glass & Mirror Works, 309 Lafayette

MAINE.

PORTLAND—Farley C. H. & Co.

MARYLAND.

BALTIMORE—Gettier Studios, 855 N Howard
Hofherr Geo. W., 409 E Fayette

MASSACHUSETTS.

BOSTON—Bartsch Valentine, Roslindale
Beaumont & Aughtie, 36 Columbus av
Colonial Stained Glass Works, 161 High
Cushing & Anderson, 155 Dudley Rox
Flagg L. G. & Co., Sudbury bldg
Phipps Horace J. & Co., 65 Bedford
Spence, Bell & Co., 90 Canal
Union Stained Glass Co., 708 Columbia rd
Vaughan-O'Neil & Co., 82 Sudbury
Wise G. W. Co., 86 Federal
WORCESTER—Worcester Stained Glass Works (David Welch, Prop.)

MICHIGAN.

DETROIT—
Detroit Window & Stained Glass Co.
Lee Edw. F. Glass Co., 136 E Fort
GRAND RAPIDS—Grand Rapids Art Glass Co.
MENOMINEE—Menominee Stained Glass Co.

MINNESOTA.

DULUTH—St. Germain Bros.
MINNEAPOLIS—Ford Bros. Glass Co., 207 Washington av N
ST. PAUL—Paussek & Carr

MISSOURI.

KANSAS CITY—Kansas City Stained Glass Works Co., 1514 Wyandotte
ST. JOSEPH—St. Joseph Art Glass Co.
ST. LOUIS—Century Ornamental Glass Co., 5039 Delmar
Davis W. W., 3922 Olive
Frei Emil Art Glass Co., 3934 S Grand av
Jacoby Art Glass Co., 2700 St. Vincent
Thatcher-Kerwin Glass Co., 517 Spruce

Other J. C. Art Glass Co., 312 N 17th
Weigelt Glass & Mirror Co., 615 S 6th
Wendling Jos. Art Glass Co., 207 S B'way

### NEW JERSEY.

NEWARK—Metzger Richard, 54 Duryea
O'Halloran's Thos. Sons, 276 Halsey
Sharpe Bros., 951 Broad
ORANGE—Stevens Jos.

### NEW YORK.

ALBANY—Blocksidge Jas., 2 High
Stained Glass Studio, 222 Hudson av
BINGHAMTON—Rowland Chas. P.
BROOKLYN—(See New York City, Borough of Brooklyn, N. Y.)
BUFFALO—Booth Art Glass Co., 84 W. Huron
Dwelle-Kaiser Co., 251 Elm
Electric City Glass Co., 480 Genessee
Frohe Leo. P., 220 B'way
Terhaar & Mundle, 433 William

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Hausleiter Julius & Co., 298 Fulton
Jones Decorative Glass Co., 231 Hudson av
Keller John, 742 Macon
Lamb Maskell T., 233 Bergen
Morgan Jno. & Sons, 17 Union av
Muelbe L. F., 2724 Avenue F
Stuetzle Chas., 106 S 8th
Summers Chas, 1455-59th
Tuckhorn Francis, 366 Atlantic av

#### Boroughs of Manhattan and Bronx.

NEW YORK—Armstrong, Maitland & Co., 58 W 10th
Art Glass Studios, 374 E 141st
Castle Montague London Co., 126 6th av
Cornell Chas. J., 345 W B'way
Decorative Glass Studios, Inc., 152 W 21st
Dodge Robert L., 242 W 14th
Geissler Rudolph, 56 W 8th
Heaton, Butler & Bayne (Ltd.), 437 5th av
Henderson Bros, 317 E 64th
Herrlein & Henrich Co., 97 Hudson
Hillenbrand Edw. F., 257 W 29th
Howard Glass Works, 104 Chambers,
Imperial Art Glass & Lamp Works, 205 W 19th
Koechig Julius C., 717 6th av
Lamb J. & R., 25 6th av
Malz Herman, 19 E 14th
Magin Chas., 17 E 14th
Morgan John & Son, 96 5th av
Popper Leo & Sons, 143 Franklin
Quinn Jno, F. Co., 256 W. 81st
Righter & Kolb, 420 Madison av
Spiers, Richard N., 257 W 29th
Standard Art Glass Co., 237 Lafayette
Tiffany Studios, 361 Madison av
Tyrolese Art Glass Co., 25 W B'way
Von Gerichten Art Glass Co., 52 Morningside av

**(End of New York City)**

ROCHESTER—Chapin Louis S.
Gustafson J. H.
Haskins Art Glass Co.
Pike Stained Glass studios, 191 East av

### OHIO.

CINCINNATI—Riordan G. C. & Co., 313 Walnut
Ruckel Art Glass Co., Pugh bldg
CLEVELAND—Ursem L. J. Art Shade Co., Columbia Bldg.
Whipple Art Glass Co., 409 Prospect av N W
COLUMBUS—Rossbach Art Glass Works, 101 W Broad
Von Gerichten Art Glass Co., 557 S High
TOLEDO—Toledo Art Glass & Mirror Works, 416 S St.
YOUNGSTOWN—Ohio Art Glass Co.

### OREGON.

PORTLAND—Portland Art Glass Works, 285½ Taylor
Povey Bros. Glass Co., 100 N 5th

### PENNSYLVANIA.

ERIE—Messenger Benj.
PHILADELPHIA—Callanan Martin, 421 N 19th
Century Stained Glass Works (Ltd.), 212 S 11th
Columbia Stained Glass Works, 866 N 10th
Decorative Glass Co., 3248 Chestnut
Dukes Glass Works, 2217 Chestnut
Godwin Alfred, 2217 Chestnut
Hawkins Alfred W. & Son, 1823 S 19th
Marcus Bros., 866 N 10th
Oesterle Stained Glass Works, 827 N 11th
Quaker City Stained Glass Works, 222 N 4th
Reith Wm., 134 N 7th
Schmitt Chas. N., 4th & Callowhill
Smith H. J. & Sons, 236 S 8th
Weeder F. Ellsworth, 34 S 16th
West Phila. Art Glass Works, 4219 Market
PITTSBURGH—Potgen Co., 6709 Hamilton av
Pittsburgh Art Glass Co., Warden & McCartney
Pittsburgh Stained Glass Works, 6709 Hamilton av
Rudy Bros. Co., Highland & Center
Twin City Art Glass Works, 14 E Lacock
READING—Kase J. M. & Co.

### TENNESSEE.

MEMPHIS—Kemnitz Emil

### VIRGINIA.

RICHMOND—Bunce Art Glass Co.

### WASHINGTON.

SEATTLE—Puget Sound Art Glass Co.
Suess Glass Co.

### WISCONSIN.

LA CROSSE—Art Glass Co.
MILWAUKEE—Breen Art Glass Co., 29 Martin
Enterprise Art Glass Works, Enterprise bldg
Gavin Mirror & Art Glass Works, 275 W Water
Milwaukee Mirror & Art Glass Works, 203 B'way

## 5475—Glass Stainers' Supplies

Deissler P. & Bro., 249 S 6th, Phila., Pa.

## 5476—Glass (Structural Sanitary)

Marietta Mfg. Co., Indianapolis, Ind.
Opalite Tile Co. ("Cosmos," "Opalite"), Monaca, Pa.
Standard Plate Glass Co. (Jobbers), 30 Sudbury, Boston, Mass.

## 5477—Glass (Vault & Sidewalk)

Cambridge Glass Co. (Pressed), Cambridge, O.
Canton Glass Co., Marion, Ind.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Imperial Glass Co., Charleroi, Pa.
Parker Bros. Glass Mfg. Co., Bridgeton, N. J.
**RODEFER GLASS CO., THE** (Tiling for Architectural Iron Work), Bellaire, O.
*See adv index at end of book*
Smith L. E. Glass Co., Mt. Pleasant, Pa.
Sneath Glass Co., Hartford City, Ind.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.
Whitall & Tatum Co., 410 Race, Phila., Pa.
Withers Foundry & Machine Works, Atlanta, Ga.

## 5478—Glass (Window, Mfrs.)

National Association of Window Glass Mfrs., 1st Nat'l Bank bldg., Pittsburgh, Pa.
Alleghany Window Glass Co., Port Allegany, Pa.
Alliance Window Glass Co., Salem, W Va
American Window Glass Co., Farmers' Bank bldg, Pittsburgh, Pa.
Baker Bros. Glass Co., Okmulgee, Okla.
Banner Window Glass Co., South Charleston, W. Va.
Baur Window Glass Co., Eaton, Ind.
Binswanger & Co., Richmond, Va.
Blackford Window Glass Co., Vincennes, Ind.
Brookville Glass & Tile Co., Brookville, Pa.
Buckeye Window Glass Co., Bonham av, Columbus, O.
Caddo Window Glass Co., Shreveport, La.
Camp Glass Co., Huntington, W. Va.
Charleston Window Glass Co., Charleston, W. Va.
Clarksburg Glass Co., Clarksburg, W. Va.
Cole Glass Co., Lancaster, O.
Columbus Glass Co., Lancaster, O.
Consolidated Window Glass Co., Bradford, Pa
Connelly Glass Co., Caney, Kans.
Crescent Window Glass Co., Weston W. Va.
Cunningham D. O. Glass Co., 22d & Jane, Pittsburgh, Pa.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GLASS (WINDOW, MFRS.)—continued

Doddridge Window Glass Co., West Union, W. Va.
Dunkirk Window Glass Co., South Charleston, W. Va.
Eastern Ohio Glass Co., Barnesville, O.
Eldred Window Glass Co., Punxsutawney, Pa.
Empire Glass Co., Smithport, Pa.
Equitable Window Glass Co., Buckhannan, W. Va.
Fairmont Window Glass Co., Fairmont, W. Va.
Fairfield Glass Co., Lancaster, Ohio
Federated Glass Co., Point Marion, Pa.
Fredonia Window Glass Co., Fredonia, Kans.
Ideal Window Glass Co., West Union, W. Va.
Independent Glass Co., Sistersville, W. Va.
Ithaca Glass Mfg. Co., Spring City, Pa.
Jeannette Window Glass Co., Point Marion, Pa
Johnston Brokerage Co., First National Bank bldg, Pittsburgh, Pa.
Johnston Glass Co., Hartford City, Ind.
Kane Glass Co., Kane, Pa
Lafayette Window Glass Co., Clarksburg, W. Va.
Licking Window Glass Co., Utica, O.
Mannington Window Glass Co., Mannington, W. Va.
Masontown Glass Co., Masontown, Pa
Modern Window Glass Co., Salem, W. Va.
New Bethlehem Window Glass Co., New Bethlehem, Pa.
Norwood Glass Co., Clarksburg, W. Va.
Ohio Central Glass Co., Pleasantville, O.
Patterson Glass Mfg. Co., Cameron, W Va.
Pennsylvania Window Glass Co., Kane, Pa.
Pike Stained Glass Studios, 191 East av, Rochester, N. Y.
Point Marion Window Glass Co., Point Marion, Pa.
Rolland Glass Co., Clarksburg, W. Va.
Salem Co-operative Window Glass Co., Salem, W. Va.
Sandusky Glass Co, Sandusky, O
Smethport Glass Co., Smethport, Pa.
Standard Plate Glass Co. (Jobbers), 30 Sudbury, Boston, Mass.
Sunflower Glass Co., Sapulpa, Okla.
Tuna Glass Co., Clarksburg, W. Va.
U. S. Window Glass Co., Morgantown, W. Va.
Utica Glass Co., Utica, O.
West Fork Glass Co., Clarksburg, W. Va.
Wilcox Glass Co., Kane, Pa

### 5478a—*Glass (Windshield)

Standard Plate Glass Co., 30 Sudbury, Boston, Mass.

### 5479— Glass (Wire Glass)

Elias Joseph & Co., Inc., Long Island City, N. Y.
Highland Glass Co., Washington, Pa.
Marietta Mfg. Co., Indianapolis, Ind.
Mississippi Glass Co., 220 5th, New York
Pennsylvania Wire Glass Co. ("Aqueduct," "Cobweb"), Pennsylvania bldg, Phila., Pa.
Standard Plate Glass Co. (Jobbers), 30 Sudbury, Boston, Mass.
**WESTERN GLASS CO.**, Streator, Ill.
*See adv index at end of book*
Williams Hardware Co., Williams bldg., Streator, Ill. *See adv index at end of book*


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Portable Fire Extinguishers and Equipment

Asphalt Coatings, Roofings and Insulating Papers

WILLIAMS HARDWARE CO.
Williams Building STREATOR, ILL.


Wissmach Paul Glass Co., Meadow, L. I. City, N. Y.

### 5480—*Glass (Wire, Approved Fire Stop)

**WESTERN GLASS CO.**, Streator, Ill.
*See adv index at end of book*

### 5481-2—*Glass (Wire, for Fire-Proof Windows)

**WESTERN GLASS CO.**, Streator, Ill.
*See adv index at end of book*

### 5483— *Glass (Wire, Holly)

**WESTERN GLASS CO.**, Streator, Ill.
*See adv index at end of book*

### 5484—*Glass (Wire, Skylight)

**WESTERN GLASS CO.**, Streator, Ill.
*See adv index at end of book*

### 5484a— Glass Wool

Angel H. Reeve & Co., Inc., 7 Spruce, New York

### 5485— Glasses (Cylindrical)

Diamond Specialty & Supply Co. (Oil Cups), 1225 Arch, Phila., Pa.
German-American Glass Wks, Phila., Pa.
**MAGEE STEAM SPECIALTY CORP.**, 136 Beekman, New York
**ROGERS H. A. CO.**, 87 Walker, New York
*See adv index at end of book*

### 5486— Glasses (Jelly)

Ball Brothers Glass Mfg. Company ("Ball" Jelly Glasses & Tumblers), Muncie, Ind.
Federal Glass Co., Columbus, O.
Imperial Glass Co., Bellaire, O.
Indiana Glass Co., Dunkirk, Ind.
Kerr Glass Mfg. Co., Sand Springs, Okla

### 5487—Glasses (Level & Plumb)

Staniford J. W. & Co., 40 Hanover, Boston, Mass.

### 5488—Glasses (Opera & Field)

American Thermo-Ware Co., 16 Warren, New York
Bausch & Lomb Optical Co. (Field Only), Rochester, N. Y.
Scheidig John & Co. (Imp), 32 Maiden la, New York
Spencer Optical Co. (Imp.), 5 Maiden la, New York
Sussfeld, Lorsch & Co. (Imp.), 90 Maiden la, New York
Wagner Bros. & Co. (Imp), 71 W. 23d, New York

### 5489— Glasses (Port Hole)

Bache, Semon & Co. (Imp.), 636 Greenwich, New York
Cambridge Glass Co., Cambridge, O.
Gallagher P. J., 24 New Chambers, New York
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.

### 5490— Glasses (Reading)

Bausch & Lomb Optical Co., Rochester, N. Y.
Johnston Optical Co., 66 State, Detroit, Mich.

Spencer Optical Co., New York
Weber F. & Co., 1220 Buttonwood, Phila., Pa.
Williams Brown & Earl, 918 Chestnut, Phila., Pa.
Wood C. D. Electric Co. ("Seewell"), 441 Broadway, New York

## 5491— Glasses (Reducing)

Bausch & Lomb Optical Co., Rochester, N. Y.

## 5491a— Glassware (Baking)

Corning Glass Works ("Pyrex"), Corning, N. Y.

## 5492—Glassware (Chemical & Druggists')

Allen Henry, 138 William, New York
Atlas Laboratory Equipment Bureau, 931 N Wells, Chicago, Ill.
*See adv index at end of book*
Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Co-Operative Flint Glass Co. (Druggists'), Beaver Falls, Pa.
Corning Glass Works ("Pyrex"), Corning, N. Y.
Doerr Glass Co. (Finished), Vineland, N. J.
Eagle Mfg. Co., Wellsburg, W. Va.
Empire Laboratory Supply Co., 411 Lexington av, New York
Fearon Brown Co. (Imp.), 96 Wall, New York
Gillinder & Sons, State & Devereaux, Phila., Pa.
Hagerty Bros. & Co., 10 Platt, New York
Hazel Atlas Glass Co. (Druggists'),, Wheeling, W. Va.
Illinois Glass Co. ("Diamond I"), 402 W Randolph, Alton, Ill.
International Glass Co., Millville, N. J.
Kimble Glass Co., 402 W Randolph, Chicago, Ill.
Lenz Apparatus Co., 9 E 16th, New York
McKee Glass Co. (Soda Fountain, Glassware), Jeannette, Pa.
Precision Glass Apparatus Co., Inc. (Importers & Mfrs.), 237 E 41st, New York
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
Ruth Glass Co., Conshohocken, Pa.
Scientific Utilities Co., Inc., 18 E 16th,
Swindell Bros., Bayard & Russell, Baltimore, Md.
Vineland Flint Glass Works (Unfinished), Vineland, N. J.
Vineland Scientific Glass Co. (Finished), Vineland, N. J.
Wagner Glass Works (Chemical Glassware & Apparatus), 697 E 132nd, New York
Whitall, Tatum Co., 410 Race, Phila., Pa.

## 5493— Glassware (Cut)

American Glass Co., Ada, Okla.
Becker & Brisbois, 123 Middleton, Brooklyn, N. Y
Bergen J. D. Co., Meriden, Conn.
Blackmer Cut Glass Co., New Bedford, Mass.
Bour J. L., 2346 Summerfield, Brooklyn, N. Y.
Buffalo Cut Glass Co., Batavia, N. Y.
Bush Glass Co., Lansing, Mich.
California Cut Glass Mfg. Co., Pasadena, Cal.
Camden City Cut Glass Co., Camden, N. J.
Campbell Thomas B. & Co., 42 So 8th, Brooklyn, N. Y.
Central Cut Glass Co., 1114 E 63d, Chicago, Ill.
Central Glass Works, Wheeling, W. Va.
Corona Cut Glass Co., Toledo, Ohio
Crown Cut Glass Co., Hancock, N. Y.
Dorflinger C. & Sons, White Mills, Pa.
Eagle Mfg. Co., Wellsburg, W. Va.
Economy Tumbler Co., Morgantown, W. Va.
Egginton O. F. Co., Corning, N. Y.
Elite Mfg. Co., Aldenville, Pa.
Empire Cut Glass Co., Flemington, N. J.
Enterprise Cut Glass Co., Elmira Heights, N. Y.
Figueria Cut Glass Co., Hammonton, N. J.
Fostoria Glass Co., Moundsville, W. Va.
Frizlen Cut Gass Co., Mt. Holly, N. J.
Frontier Cut Glass Co., Buffalo, N. Y.
Fry H. C. Glass Co., Rochester, Pa.
Gibbs W. H. & Co., Stroudsburg, Pa.
Giometti Bros., Corning, N. Y.
Halter Cut Glass Co., 489 De Kalb av, Brooklyn, N. Y.
Herrfeldt J. H. & Co., 48 Lexington av, Brooklyn, N. Y.
Hoare J. & Co., Corning, N. Y.
Honesdale Union Cut Glass Co., Honesdale, Pa.
Hope Glass Works, 161 Dorrance, Providence, R. I.
Hunt Glass Co., Corning, N. Y.
Ideal Cut Glass Co., Canastota, N. Y.
Imperial Glass Co.,Bellaire, O.
International Silver Co., Meriden, Conn.
Irving Cut Glass Co., Honesdale, Pa.
Jewel Cut Glass Co., 200 5th av, New York
Johnson-Carlson Cut Glass Co., 30 E Randolph, Chicago, Ill.
Kelly & Steinman, Deposit, N. Y.
Keystone Cut Glass Co., Hawley, Pa.
Kiefer Bros. Cut Glass Co., 4 Ralph av, Brooklyn, N. Y.
Kings County Rich Cut Glass Works, 174 N 4th, Brooklyn, N. Y.
Krantz & Sell Co., Honesdale, Pa.
Kupfer Emil F., 239 Greenpoint av, Brooklyn, N. Y.
Laurel Cut Glass Co., Jermyn, Pa.
Levien Louis Cut Glass Co., 164 5th av, New York
Libbey Glass Co., Toledo, O.
Liberty Cut Glass Works, Egg Harbor City, N. J.
Lotus Cut Glass Co., Barnesville, O.
Lum Wm. H. & Son, 508 Broome, N. Y.
McCue John J., 683 Lorimer, Brooklyn, N. Y.
McKanna Cut Glass Co., Honesdale, Pa.
McKee Glass Co., Jeannette, Pa.
Maple City Glass Co., Honesdale, Pa.
Mayer E. W., Port Jervis, N. Y.
May's Landing Cut Glass Co., May's Landing, N. J.
Meriden Cut Glass Co. (Br. of International Silver Co.), Meriden, Conn.
Metropolitan Cut Glass Co., 862 Metropolitan av, Brooklyn, N. Y.
Midland Cut Glass Co., 183 N Wabash av, Chicago, Ill.
Monroe C. F. Co., Meriden, Conn.
Newark Cut Glass Co., 60 Arlington, Newark, N. J.
Niagara Cut Glass Co., Buffalo, N. Y.
Niland J. J. Co., Meriden, Conn.
O'Connor Arthur E., Goshen, N. Y.
Oakland Cut Glass Co., 184 Oakland, Brooklyn, N. Y.
Packwood Northwood Glass Co., Sandwich, Mass.
Pairpoint Corpn., New Bedford, Mass.
Parsche F. X. & Son, 1434 Orleans, Chicago, Ill.
Phoenix Glass Co., 2d Natl Bank bldg, Pittsburgh, Pa.
Pioneer Cut Glass Co., Carbondale, Pa.
Quaker City Cut Glass Co., 60th & Baltimore av, Phila., Pa.
Rochester Cut Glass Co., Rochester, Pa.
Rockwell Silver Co,, Meriden, Conn.
Seneca Glass Co., Morgantown, W. Va.
Shea John J. & Son, Cambridge, Mass.
Shields C. W., Hawley, Pa.
Shotten Thos. Cut Glass Works, 345 Eldert, Brooklyn, N. Y.
Silver City Cut Glass Co., Meriden, Conn.
Sinclaire H. P. & Co., Corning, N. Y.
Skinner W. & Son, Hammonton, N. J.
Sterling Glass Co., Celestial Mt av, Cincinnati, O.
Stott Bros., 4450 Main, Manayunk, Phila., Pa.
Stott John W., 3600 Cresson, Manayunk, Phila.. Pa.
Susquehanna Cut Glass Co., Columbia, Pa.
Tarentum Glass Co., Tarentum, Pa.
Tuthill Cut Glass Co., Middletown, N. Y.
Twin City Cut Glass Co., St. Paul, Minn.
Union Glass Co., Somerville, Mass.
U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.
Walsh David, Somerville, Mass.
Wangaum Cut Glass Co., Hawley, Pa
Wayne Cut Glass Co., Towanda, Pa.
Westmoreland Specialty Co., Grapeville, Pa
Wickham Cut Glass Co., Scranton, Pa.

## 5494—Glassware (Decorated)

Corning Glass Works ("Steuben"), Corning, N. Y.
Imperial Glass Co., Bellaire, O.
Hocking Glass Co., Lancaster, O.
U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.

## 5495—Glassware (Electrical)

Beaumont Co., Morgantown, W. Va.
Bournique Glass Co. Kokomo, Ind.
Canton Glass Co., Marion, Ind.
Fensterer & Ruhe (Imp.), 37 Murray, New York
Pittsburgh Lamp, Brass & Glass Co. (Bowls, etc), 130-7th, Pittsburgh, Pa.

## 5496—Glassware (Opal & Crystal)

Canton Glass Co., Marion, Ind.
Eagle Mfg. Co., Wellsburg, W. Va.
Hazel Atlas Glass Co., Wheeling, W. Va.
Hocking Glass Co., Lancaster, O.
Point Marion Glass Novelty Co. (Opal), Point Marion, Pa.

## Glassware (Packers')

See Jars, Fruit

## 5497— Glassware (Pressed)

Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Federal Glass Co., Columbus, O.
Hazel Atlas Glass Co. (Tumblers), Wheeling, W. Va.
Imperial Glass Co., Bellaire, O.
Jenkins D. C. Glass Co. (Also Blown), Kokomo, Ind.
McKee Glass Co., Jeannette, Pa.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.

## 5498—Glassware (Stationers')

Canton Glass Co., Marion, Ind.
McKee Glass Co., Jeannette, Pa.

## 5499— Glassware (Table)

See also Tumblers, Glass

Athens Glass Co., Morgantown, W. Va.
Beaver Valley Glass Co., Rochester, Pa.
Bryce Bros. Co., Mt. Pleasant, Pa.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Duncan & Miller Glass Co., Washington, Pa.
Federal Glass Co., Columbus, O.
Fenton Art Glass Co., Williamstown, W. Va.
Fostoria Glass Co,. Moundsville, W. Va.
Gillinder & Sons, State & Devereaux, Phila., Pa.
Heisey A. H. & Co., Newark, O.
Imperial Glass Co., Bellaire, O.
Indiana Glass Co., Dunkirk, Ind.
Jefferson Glass Co. ("Moonstone," "Ionian," "Nitroglas," "Doric-all-one," "Jefferson," "Doriclite"), 5 S Wabash av, Chicago, Ill.
Jenkins D. C. Glass Co., Kokomo, Ind.
Lancaster Glass Co. (Imitation Cut), Lancaster, O.
Lippincott Glass Co., Greenwood bldg, Cincinnati, O.
McKee Glass Co., Jeannette, Pa.
New Martinsville Glass Mfg. Co., New Martinsville, W. Va.
Northwood H. Co., Wheeling, W. Va.
Oriental Glass Co., 800 Sarah, Pittsburgh, Pa.
Pick Albert & Co. (Blown-Flint, etc.), 212 W Randolph, Chicago, Ill.
Potomac Glass Co., Cumberland, Md.
Seneca Glass Co., Morgantown, W. Va.

## Glauber Salts

See Salts-Glauber

## 5500— Globes (Arc Lamp)

American Glass Co., Ada, Okla.
Bournique Glass Co., Kokomo, Ind.
Cameron Glass Co. ("Cameron"), Cameron, W. Va.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Corning Glass Works, Corning, N. Y.
Eagle Mfg. Co., Wellsburg, W. Va.
Fensterer & Ruhe (Inner), 37 Murray, New York
Gill Bros. Co., Steubenville, O.
Gill & Co., E. York & Thompson, Phila, Pa.
Gillinder & Sons, State & Devereaux, Phila., Pa.
Gleason-Tiebout Glass Co., 93 Commercial, Brooklyn, N. Y.
Holophane Glass Works of Gen Elec. Co. ("Nubiac" Inner), Newark, O.
Jefferson Glass Co. ("Moonstone," "Ionian," "Nitroglas," "Doric-all-one," "Jefferson," "Doriclite"), 5 S Wabash av, Chicago, Ill.

GLOBES (ARC LAMP)—continued

Libbey Glass Co., Toledo, O.
Lippincott Glass Co. (Inner Arc, etc), Greenwood bldg, Cincinnati, O.
Macbeth-Evans Glass Co. ("Thermo," "Alba"), C. of C. bldg, Pittsburgh, Pa.
Pairpoint Corporation, New Bedford, Mass.
Phoenix Glass Co., 230 5th av, New York, & Pittsburgh, Pa.
Wellington Glass Co., Cumberland, Md.

## 5501—Globes for Incandescent Light

Bournique Glass Co., Kokomo, Ind.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Consolidated Lamp & Glass Co., 66 West B'way, New York
Corning Glass Works, Corning, N. Y.
Eagle Mfg. Co., Wellsburg, W. Va.
Gill & Co., E. York & Thompson, Phila.,
Gillinder & Sons, State & Devereaux, Phila, Pa.
Gleason-Tiebout Glass Co., 93 Commercial, Brooklyn, N. Y.
Handel Co. (Decorated, etc), Meriden, Conn.
Holophane Glass Works of Gen Elec. Co., Newark, O.
Imperial Glass Co., Bellaire, O.
Jefferson Glass Co., Follansbee, W. Va.
Lippincott Glass Co. (Inner Arc, etc), Greenwood bldg, Cincinnati, O.
Macbeth-Evans Glass Co. ("Thermo," "Alba," "Monax"), C. of C. bldg, Pittsburgh, Pa.
Pairpoint Corporation, New Bedford, Mass.
Phoenix Glass Co. (Electric & Gas), 230 5th av, New York & Pittsburgh, Pa.
Safety Wire Gas Globe Co. ("Protect-a-lite"), Columbus, O.
Star Glass Co., Star City, W. Va.

## 5502—Globes (Fresnal, for Steamships)

Sneath Glass Co. (All Colors), Hartford City, Ind.

## Globes (Glass Fish)

See Aquariums, Glass

## Globes (Inner Arc)

See Globes, Arc Light

## 5503— Globes (Lantern)

American Glass Specialty Co. (Ruby), Monaca, Pa.
Cameron Glass Co. ("Cameron"), Cameron, W. Va.
Corning Glass Works ("Nonex"), Corning, N. Y.
Crescent Glass Co. ("Ruby"), Wellsburg, W. Va.
Eagle Mfg. Co., Wellsburg, W. Va.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
German-American Glass Works, Phila., Pa.
Gill Bros. Co., Steubenville, O.
Gillinder & Sons, State & Devereaux, Philadelphia, Pa.
Jenkins D. C. Glass Co., Kokomo, Ind.
Libbey Glass Co., Toledo, O.
Lippincott Glass Co., Greenwood bldg, Cincinnati, O.
McKee Glass Co., Jeannette, Pa.
Macbeth-Evans Glass Co., C. of C. bldg, Pittsburgh. Pa.
**RODEFER GLASS CO., THE** (For Lantern Mfrs.; also Ruby, Green & Blue), Bellaire, O. *See adv index at end of book*
Sneath Glass Co. (All Colors), Hartford City, Ind.
Star Glass Co., Star City, W. Va.
Storrs Mica Co. (Mica), Owego, N. Y.
Williamsburg Flint Glass Co., 260 Boerum, Brooklyn, N. Y.

## 5504—Globes & Shades (Prismatic)

Lensed Electric Shade Co., 101 Warren, New York
Macbeth-Evans Glass Co., C. of C. bldg, Pittsburgh, Pa.
Phoenix Glass Co., 2d National Bank bldg, Pittsburgh, Pa.
Welsbach Gas Lamp Co., 1008 Filbert, Phila., Pa.
Wormser Glass Co., 2d & Sylvan avs, Pittsburgh, Pa.

## 5505— Gloves (Automobile)

Bradford R. E., Gloversville, N. Y.
Carron & Co., 1777 B'way, New York
Dayton Glove Co., 440 Maryland, Dayton, O.
Detroit Leather Specialty Co., 275 Beecher av, Detroit, Mich.
Ellsworth & Thayer Mfg. Co., 338 B'way, Milwaukee, Wis.
Fried-Ostermann-Meyer Co., 623 Reed, Milwaukee, Wis.
Gloversville Auto Glove Co., Gloversville, N. Y.
Hansen O. C. Mfg. Co., 291 Milwaukee, Milwaukee, Wis.
Morawetz Co., 217 E Water, Milwaukee, Wis.
Morrison-Ricker Mfg. Co., Grinnell, Ia.
United States Glove Co., Marion, Ind.
Walrath Glove Co., Gloversville, N. Y.

## 5506—Gloves (Baseball, Boxing & Fencing)

Chicago Sporting Goods Mfg. Co. ("Dux-Fut"), 211 N Carpenter, Chicago, Ill.
Draper, Maynard Co., Plymouth, N. H.
Goldsmith's P. Sons, John Findlay & Charlotte, Cincinnati, Ohio.
Jarvis W. B. Co. ("Ty Cobb" Catchers' Mits & Gloves & Boxing Gloves, etc), Grand Rapids, Mich.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Peach J. A., Gloversville, N. Y.
Rawlings Mfg. Co. ("Reynolds" Catchers' Mits), 23d & Lucas av, St. Louis, Mo.
Reach A J, Tulip & Palmer, Phila., Pa.
Rogers Sporting Goods Co., Springfield, Mass.
Spalding A. G. & Bros., 126 Nassau, New York
Stall & Dean Mfg. Co., 855 Elston av, Chicago, Ill.
Sell Sporting Goods Co., Canton, O.
Tryon Edw. K. Co. ("Tryon"), 611 Market, Phila., Pa.
Victor Sporting Goods Co., Springfield, Mass
Wilson Thos. E. & Co. (Boxing), 727 N Sangamon, Chicago, Ill.
Wright & Ditson, 344 Washington, Boston, Mass.

## 5507— Gloves (Bee, Rubber)

Kretchmer Mfg. Co., Council Bluffs, Ia.

## 5508— Gloves (Canvas)

Beebe Glove Co., Richmond, Ind.
Boss Mfg. Co., 70 Washington, Brooklyn, N. Y.
Cambridge Roofing Co., Cambridge, O.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Defiance Glove & Mitten Works Co., Defiance, O.
Detroit Glove & Mfg. Co., 64 Congress, W. Detroit, Mich.
Hamilton G. H. Mfg. Co. (Canton Flannel & Jersey, Also Mittens), Beaver, Pa.
Houghten Chas. T. & Co., Metropolis, Ill.
Indianapolis Glove Co., Indianapolis, Ind.
Inskeep Mfg. Co., Washington, O.
Keller Glove Mfg. Co., Inc. ("Penn Keller"), Plumsteadville, Pa.
Knoxville Glove Mfg. Co., Knoxville, Tenn.
McBride Chas. L. Mfg. Co., Toledo, O.
Moosic Mfg. Co., Moosic, Pa.
National Glove Co. (Leather Faced), Columbus, Ohio
New Bethlehem Fabric Mfg. Co., New Bethlehem, Pa.
North Star Mfg. Co., Tacoma, Wash.
Prescott F. H. Co., Auburn, N. H.
Progress Mfg. Co., Racine, Wis.
Seal W. E. & Co., Millersburg, Pa.
Shearston Lowell Mfg Co., Lockport, N. Y.
Standard Mfg. Co., Lockport, N. Y.
United States Glove Co., Marion, Ind.
Witenberg Mfg. Co., Tacoma, Wash.

## 5508a—Gloves (Cotton Flannel)

Boss Mfg. Co., Kewanee, Ill.
Hamilton G. H. Mfg. Co. (& Jersey Cloth), Beaver, Pa.
Keller Glove Mfg. Co., Inc. ("Penn Keller"), Plumsteadville, Pa.
Service Glove Co. (& Jersey Cloth), 62 Shipman, Newark, N. J.
United States Glove Co., Marion, Ind.

## 5509— Gloves (Husking)

Boss Mfg. Co. (Riveted, Canton Flannels, etc), Kewanee, Ill.

## Gloves (Insulating)

See Gloves, Rubber

## 5510— Gloves (Leather)

Adler Jacob & Co., 315 4th av, New York
Aeppli & Smith, 4014 Parker av, Chicago, Ill.
American Glove Co., 2027 Church, Chicago, Ill.
Block H. & L., 149 2d San Francisco, Cal.
Chicago Tanning Co., 130 W Austin av, Chicago, Ill.
Conay Glove Co., 115 E 23d, New York
Detroit Leather Specialty Co., 275 Beecher, Detroit, Mich.
Economy Glove Co., Ft. Wayne, Ind.
Eisendroth Glove Co. (Heavy Duty), Armitage & Elston, Chicago, Ill.
Hansen O. C. Mfg. Co., 291 Milwaukee, Milwaukee, Wis.
Morrison-Ricker Mfg. Co. ("Grinnell Wrist Fit" & Grinnell Ventilator) Grinnell, Ia.
National Glove Co. (Mule, Napa, Goat, Horse Hide, Hog, Sheep & Split Leather), Columbus, O.
Osborn C. D. Co., 2201 Wabansia av, Chicago, Ill.
Russell Frank Glove Co., Berlin, Wis.
Salisbury W. H. & Co., 308 N Madison,
Spencer Glove Co. (& Mitts), Waverly, N. Y.
Wheeler F. & H. Mfg. Co., 215 W Huron, Chicago, Ill.

## 5511— Gloves (Rubber)

Aetna Rubber Co., 815 E 79th, Cleveland, Ohio
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Canton Rubber Co., Canton, O.
Chicago Glove & Mitten Co., 458 N Halsted, Chicago, Ill.
Combination Rubber Mfg. Co. (Surgeon's Tissue), Bloomfield, N. J.
Consumers Rubber Co. ("Standard"), 829 Superior av, Cleveland, O.
Davol Rubber Co., 69 Point, Providence, R. I.
Dunton M. W. Co. ("Safety First"), 150 Niagara, Prov., R. I.
Faultless Rubber Co. ("Hi-Test," "Hi-Voltage"), Ashland, O.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Hodgman Rubber Co., 8 W 40th, New York
L. & M. Rubber Co., Carrollton, O.
Lee Tire & Rubber Co. (Also finger cots), Conshohocken, Pa.
Massillon Rubber Co, Massillon, Ohio
Miller Rubber Co. (Also Finger Cots), Akron, O.
Pioneer Rubber Spec. Co., Akron, O.
National India Rubber Co., Bristol, R. I.
Realty Rubber Co. (Pure Gum, Surgeons"), Massillon, O.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., New Haven, Conn.
Star Rubber Co. ("Nepto," "Luna," "Veno"), Akron, O.
Tyer Rubber Co., Andover, Mass.
Wilson Rubber Co., Canton, O.

## 5511a— Gloves (Sand Blasting)

Hickory Steel-Grip Glove Co. ("Steel-Grip" & "Industrial"), 2640 N Maplewood av, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 5512—Gloves & Mittens (Knitted)

American Golf Glove Co. (Plain & Fancy Worsted Golf Gloves), 5127 Lena, Gtn., Phila., Pa.
Armstrong William (Wool, Worsted & Merino Gloves), Needham Heights, Mass.
Ashoyton Knitting Co. (Gloves), Shelburne Falls, Mass.
Augstein S. & Co. (Worsted), 352 4th av, New York
Bailey Knitting Mills, Fort Plain, N. Y.
Bailey Oscar L. & Co. (Silk, Wool & Worsted Mittens & Gloves for Men, Women & Children), Everett, Mass.

Bell Knitting Co. (Wool, Worsted & Merino), 352 4th av, New York
Breaithwaite Thos. (Gloves), Vineland, N. J
Burns Knitting Co. (Worsted, for Men, Women & Children), Nashua, N. H.
Carter Wm. Co., Needham Heights, Mass.
Chapman Knitting Mills, 68 E 131st, New York
Chicago, Glove & Mitten Co., 458 N Halstead, Chicago, Ill.
Clare Knitting Mills (Cotton, Woolen & Worsted Mittens), Saginaw, Mich.
Clark Textile Co. (Ladies' Woven Top Silk Gloves), Saratoga Springs, N. Y.
Collard Frank (Wool & Worsted), 256 E Ashmead, Gtn., Phila., Pa.
Colonial Knitting Mills (Cotton & Woolen), Stokeley & Hunting Pk, Phila., Pa.
Columbia Knitting & Mfg. Co., 236 B'way, Milwaukee, Wis.
Crown Silk Mfg. Co. (Silk Gloves), Bangor, Pa.
Dolman Chas. (Gloves for Men & Women), 48 E Court, Cincinnati, O.
Eagle Knitting Mills), 184 E Water, Milwaukee, Wis.
**Ehrlich, Mrs. F. (Fine hand-made goods) 1211 Arch, Phila., Pa.**
Elliot F. & Co. (Wool, Worsted & Silk), Waltham, Mass.
Fead John L. & Sons (Home Made Wool Striped Mittens), Port Huron, Mich.
Fownes Bros. & Co. (Silk Gloves), 119 W 40th, New York
Frankenmuth Woolen Mill Co., Frankenmuth, Mich.
Friedlander-Brady Knitting Mills (Cotton, Woolen, Worsted & Silk, Men's, Women's & Children's), 501 S Green, Chicago, Ill.
Friedman Blau Farber Co., Perkins & E 37th, Cleveland, O.
Fulton County Silk Mills (Silk Gloves), Gloversville, N. Y.
Gloversville Knitting Co. (Worsted, Woolen & Cotton), Gloversville, N. Y.
Gloversville Silk Mills (Silk Gloves), Gloversville, N. Y.
Great Western Knitting Co. (Wool, Worsted & Silk Gloves), 110 Buffalo, Milwaukee, Wis.
Hand Knit Hosiery Co. ("Lumbermen's Mittens), Sheboygan, Wis.
Harris Knitting Mills (Wool), Armat & Lena, Gtn., Phila., Pa.
Highland Knitting Mill, Highland, N. Y.
Hitchcock & Curtiss Knitting Co. (Wool, Worsted & Silk Gloves), Hartford, Conn.
Hoag C. F. Co. (Wool & Worsted), Poughkeepsie, N. Y.
Holmes G. H. (Gloves), Gloversville, N. Y.
Houlton Woolen Mill, Houlton, Me.
Indianapolis Glove Co. (Cloth, Leather Finished & Jersey Gloves), Indianapolis, Ind.
Inland Knitting Works, Green Bay, Wis.
Kayser Julius & Co. (Silk, Lisle & Merino), 353 4th av, New York
Keller Glove Mfg. Co., Inc. ("Penn Keller), Plumsteadville, Pa.
Key E. H. (Woolen & Worsted), Fort Hunter, N. Y.
Kinderhook Knitting Co. (Wool & Worsted Gloves), Kinderhook, N. Y.
La Crosse Knitting Co. (Wool), La Crosse, Wis.
Lamb Knit Goods Co., Colon, Mich.
Lee William (Ladies' & Children's Silk & Woolen & Men's Woolen Goods), Needham Heights, Mass.
Lowenthal Max & Sons, Rochester, N. Y.
Mandel A. J. (Cotton, Wool, Worsted & Silk), 1220 W 6th, Cleveland, O.
**Mansfield Joseph W., 1527 Ridge av, Philadelphia, Pa.**
Meinig E. Richard Co. (Silk Gloves), Reading, Pa.
Merrill Silk Co. (Silk Gloves), Hornell, N. Y.
Michigan Knitting Co. (Cotton, Woolen, Worsted & Silk), Lansing, Mich.
Mohawk Silk Fabric Co. (Ladies' Silk Gloves), Fultonville, N. Y.
Moseley & Co., Needham Heights, Mass.
National Knitting Co. (Woolen & Worsted Gloves for Men, Women & Boys), 905 Clinton, Milwaukee, Wis.
National Knitting Works Co., 1967 E, 57th, Cleveland, O.
Niagara Silk Mills (Silk Gloves), North Tonawanda, N. Y.
Pacific Knitting Mills, Seattle, Wash.
Perry Glove & Mitten Co. (Cotton, Woolen, Worsted & Silk), Perry, Mich.
Plaistead B. T. (Men's & Women's Worsted Gloves), Hartford, Conn.
Portage Hosiery Co. (Wool & Worsted Mittens), Portage, Wis.
Prue Frank J. (Worsted Mittens), Woonsocket, R. I.
Rich John & Bros., Woolrich, Pa.
Ripon Knitting Works, Ripon, Wis.
Roth Joseph & Co. (Merino, Worsted, Silk & Cotton), Toledo, O.
Russell Knitting Works, Springfield, Mass.
Saxony Knitting Mills, Needham Heights, Mass.
Saxony Knitting Co., Seattle, Wash.
Spencer Glove Co. ("F. P. Sargent"), Waverly, N. Y.
Star Knitting Co. (Silk, Saxony & Wool Mittens & Golf Gloves), La Crosse, Wis.
Sterling Silk Glove Co. (Silk Glove Only), Bangor, Pa.
Stott & Son, Winona, Minn.
Thurman Mfg. Co., 427 Ashmead, Phila., Pa.
United Knit Goods Co. (For Men, Boys, Ladies, Children & Infants), 1258 W 4th, Cleveland, O.
Van Brocklin & Son (Jersey Mitts & Gloves), Amsterdam, N. Y.
Vassar Knitting Works, Bay City, Mich.
Walton Thos. S. (Infant's Silk & Woolen Mittens), Needham Heights, Mass.
Webber Geo. F., 414 Gratiot, Detroit, Mich
Western Knitting Mills (Woolen, Worsted & Merino), Rochester, Mich.
Whitman Bros. (Men's & Boys' Gloves), Little Falls, N. Y.
Why Bros. & Co. (Woolen & Worsted Gloves), 5130 Wakefield, Phila, Pa.
Wilson Samuel, Needham Heights, Mass.

## 5513— Glue (Emery Wheel)

Tanite Co., Stroudsburg, Pa.

## 5514— Glue (Fish)

American Glue Co., 121 Beverly, Boston, Mass.
Dodd A. W. & Co., Gloucester, Mass.
Elwell B. F. Glue Co. (Liquid), Rockport, Mass.
**HEWITT C. B. & BROS.** (Jobbers), 20 Ferry, New York
***See adv index at end of book***
Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York
National Gum & Mica Co., 59th & 11th av, New York
Russia Cement Co., 126 Chambers, New York

## 5515— Glue (Gelatine)

American Glue Co., 121 Beverly, Boston, Mass.
Cooper's Peter Glue Factory, 11th av & 28th, New York
**HEWITT C. B. & BROS.** (All Grades for All Purposes), 20 Ferry, New York.
*See adv index at end of book*
Isaacs S. & Co. (Imp), 100 William, New York
Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York
Michigan Carbon Works, 7 Forman, Detroit, Mich.
National Gum & Mica Co., 59th & 11th av, New York
Sullivan James & Son, Marblehead, Mass.

## 5516— Glue (Marine)

Bitu-Mo-Lin Products Co., Inc., Seattle, Wash
Ferdinand L. W. & Co., 152 Kneeland, Boston, Mass.
New Process Chem. Co., 39 Cortlandt, New York

## 5517— Glue Mfrs.

### CALIFORNIA.

**SAN FRANCISCO—Armour Glue & Ammonia Works,, 22 Battery**
**Butcher L. H. Co., 341 Montgomery**
**California Glue Works, Fairfax av & Rankin**
**Imperial Glue Co. ("Imperial" Liquid), Kohl Bldg.**

DANBURY—Connecticut Glue Co.
NEW HAVEN—Connecticut Fat Rendering & Fertilizing Corp.

### DISTRICT OF COLUMBIA.

WASHINGTON—Royal Glue Co. (Liquid), 210 N S W

### GEORGIA.

BUFORD—Allen Bona

### ILLINOIS.

CHICAGO—**American Glue Co., 123 W Kinzie**
American Printers' Roller Co, 314 W Grand av
**Anglo-American Provision Co., U. S. Yards**
**Armour Glue Works, 3130 Benson**
Bailey C. T. & Co., 123 W Kinzie
Chicago Glue Co., 2012 W Kinzie
Clarkson Glue Co., 3259 Shields av
**Cooper's Peter Glue Factory, Robinson & the Canal**
Delany & Co., 505 S Clinton
Diamond Glue Co., Robinson & Ill. Mich. Canal
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Herrmann Jos. F. & Co., Fisher Bldg.
Layton Elastic Glue Co. (Liquid), 703 Fulton
National Flexible Glue Co., 169 N Jefferson
Northwestern Glue Co., 44th pl & Packers av
Swift & Co., Union Stock Yards
United Chemical & Organic Products Co., 111 W Washington, Chicago, Ill.
U. S. Glue Co., 1455 Fleetwood
Williamson Glue & Gum Wks. (Dry Liquid), 220 W Huron, Chicago, Ill.
Wilson & Co., Union Stock Yards
Wisdom & Co., 217 W Lake

### INDIANA.

HAMMOND—Hammond Glue Co.
INDIANAPOLIS—National Glue Co., 539 W 14th
MADISON—Midland Glue Co.
NEW ALBANY—Conrad, Krammerer Glue Co.
SOUTH BEND—Perkins Glue Co. (Vegetable)

### MARYLAND.

BALTIMORE—McCormick & Co. (Liquid), McCormick Blk.
**Standard Glue Co. ("Army" & "Navy," "Standard" Liquid), Caton & Cottage av**

### MASSACHUSETTS.

BOSTON—American Glue Co. ("Crown English"), 121 Beverly
**Armour Glue Works, 49 Commercial Wharf**
**Baeder, Adamson & Co., 68 High**
**Bird J. A. & W. & Co. (Casein), 88 Pearl**
**Carter's Ink Co., E Cambridge**
**Commonwealth Glue Co., 40 N Market**
**Consolidated Rendering Co., 40 N Market**
**Consumer Glue Co., 176 Federal**
**Diamond Glue Co.**
Ferdinand L. W. & Co. ("Jeffrey's" Marine), 154 Kneeland
**International Glue Co. ("Eagle," "Martins" & "Mystic" Liquid), 201 Devonshire**
**Nash E. W. Co., 559 Atlantic av**
**Rogers E. A. & Co. (Imp), 161 Devonshire**
**Whitten J. O. Co., 68 Western av**
GLOUCESTER—Dodd A. W. & Co.
Gloucester Isinglass & Glue Co.
Russia Cement Co. ("Le Page's" Liquid, etc)
HOLYOKE—Browne M. C. (Flexible)
LOWELL—Holt Jno. & Co.
MARBLEHEAD—Sullivan James & Son
PEABODY—American Glue Co.
ROCKPORT—Elwell B. F. Glue Co. ("Elwell")
WORCESTER—Darling L. B. Fertilizer Co.

GLUE MFRS.—continued

MICHIGAN.

DETROIT—Michigan Carbon Works, 7 Forman
GRAND RAPIDS—Grand Rapids Glue Co.

MINNESOTA.

MINNEAPOLIS—Adams Mfg. Co., 1700 Central av
Certus Cold Glue Co. (Waterproof in Powder Form), 28 E Hennepin av
ST. PAUL—Fuller H. B. Co. (Cold Water & Powdered), 188 W 3d

MISSOURI.

ST. JOSEPH—Swift & Co., Stock Yards
ST. LOUIS—American Glue Mfg. Co., 410 Elm
Clarkson Glue Co., 216 N Main
Mathiason P. B. Mfg. Co., 5310 N 2d
Reardon Glue Mfg. Co., 2d & Clinton, N Broadway
St. Louis Glue Mfg. Co., 2125 Division
Tamm Bros. Glue Co., 600 S Vandeventer av

NEW HAMPSHIRE.

KEENE—Keene Glue Co.

NEW JERSEY.

NEWARK—Lister's Agricultural Chemical Works, Lister av

NEW YORK.

BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Blehdon V. R., Brisbane bldg.
GOWANDA—Cooper's Peter Glue Factory
Eastern Tanner's Glue Co.
JOHNSTOWN—Knox C. B. Co

NEW YORK CITY.

Borough of Queens.

BROOKLYN—Higgins Chas. M. & Co. (Vegetable), 271 9th
McMeekan D. Mfg. Co. (Also Flexible Glue), 1070 Pacific

Boroughs of Manhattan and Bronx.

NEW YORK—Am. Agricultural Chem. Co., 2 Rector
Arabol Mfg. Co. (Cold, Liquid & Dry), 100 William
Armour Glue Works, 120 B'way
Baeder Adamson & Co., 67 Beekman
Bauer Philip Co., 25 W Broadway
Burnot Mfg. Co. ("Burbyotte" Stainless for Millinery), 64 Gold
Burrage Robt. R. (Flexible, for Bookbinders & Leathergoods), 83 Gold
Cooper's Peter Glue Factory, 11th av & 28th
Dunn T. W. & Co., 248 Front
**HEWITT C. B. & BROS., INC.** (Jobbers), 20 Ferry
*See adv index at end of book*

When writing to firms whose names appear in this book please mention
HENDRICKS' COMMERCIAL REGISTER.

**C. B. HEWITT & BROS., Inc.**
20 FERRY ST., NEW YORK
*Manufacturers, Importers and Dealers*

**Paper** Pattern Papers, Detail and Tracing Papers, Flexible Papers for Leather Work, Backing Paper, Card Middles, Jute and Rope Manillas, Building and Roofing Papers, Wrapping Papers, Special Papers made to order.

**Boards** Binders Boards, Trunk and Case Boards, Friction Boards, Leather Boards, Fibre Boards, News and Press Boards, Box Boards, Straw Boards (Air and Steam Dried). A.B.C. Pattern Boards a specialty.

**Glues** Foreign and Domestic, Hide and Bone Glues, Sheet, Broken and Ground, for Cabinet and Piano Work (joint and veneer), Paper Making, Straw Hat and Fabric and Kalsomine Sizing, Bindery, Furniture and Box Makers' Glues.

**Gelatines** Capsule Manufacturers, Pharmaceutical Preparation Makers, Confectioners, Jelly and Preserve Manufacturers, etc.

Isaacs S. & Co., 100 William
Johns-Manville H. W. Co. (Fireproof), Madison av & 41st
Kuh E. S. & Valk Co. (Bone, Hide, Fleshings, etc), Produce Exch.
Listers Agricultural Chemical Wks., 2 Rector
Madison Glue Mfg. Co., Inc., 97 Beekman
Milligan & Higgins Glue Co., 222 Front
National Glue & Gelatine Works, 11th av & 59th
National Gum & Mica Co. (Cold, Liquid & Dry), 59th & 11th av
New Process Chem. Co. (Liquid Waterproof Marine), 39 Cortlandt
Pfaltz & Bauer (Imp), 300 Pearl
Progressive Glue Co., 185 Wooster
Stevenot Chas. J. & Co. (Imp.), 388 Pearl
Townsend Chas. & Bro. (Imp.), ("J. Coignet" Sheet), 276 Pearl
Union Glue Corp. (Flexible), 32 Water
Waddell R. J. & Co. (Imp Sheet), 52 Beekman
Weil Samuel & Son (Animal & Vegetable), 194 Franklin
Wood & Hare ("Prof. Callans," "Brazilian" Liquid), 66 Leonard

Borough of Queens.

LONG ISLAND CITY—Van Iderstine Co.

NORTH CAROLINA.

CHARLOTTE—Cook B. C. Chemical Mfg. Co. (Liquid)

OHIO.

CINCINNATI—Bird Varnish Co., 202 Main
Marienthal Co., 1709 John
Stephens & Bro., 16 E 2d
CLEVELAND—Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland

PENNSYLVANIA.

LANCASTER—Conestoga Glue Works
Lamparter Geo. Sons
LANSDALE—Perkins Glue Co.
PHILADELPHIA—American Glue Co., 418 Arch
Baeder, Adamson & Co., Richmond & Allegheny av
Baugh & Sons Co., 20 S Delaware av
Berg Co., Ontario below Richmond
Commonwealth Glue Co., Drexel bldg.
Continental Mfg. Co. ("Continental" Liquid), 4611 Girard
Delany & Co., 209 N 3d
Diamond Glue Co., 213 N Water
Harshaw, Fuller & Goodwin Co., Chicago, Cleveland, New York & Philadelphia
Haws Dan'l B., 30 N 5th
Martin D. B. Co., 30th & Market
National Gum & Mica Co., Lawrence & Vine
Tunnell F. W. & Co., 15 N 5th
PITTSBURGH—Wilhelm Henry (Glue & Upholstering Supplies), 136 10th
PRIMOS—Magnet Cement & Dressing Co. ("Peerless" Liquid)
WILLIAMSPORT—Keystone Glue Co.

WISCONSIN.

MILWAUKEE—Diamond Ink Co., 192 E Water
United States Glue Co., Carrollsville

## 5517a— Glue Stock

Bauer Philip Co., 25 W Broadway, New York
Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York

## 5517b— Glue Substitutes

Arabol Mfg. Co., 100 William, New York
Nat'l. Gum & Mica Co., 59th & 11th av, New York

## 5518— Glue (Tanners')

Eastern Tanners' Glue Co., Gowanda, N. Y.

## 5518a— Glue (Vegetable)

Bloede Victor G. Co., Caton av, Balto., Md.
Cibara Mfg. Co., 1512 Clark, St. Louis, Mo.
Higgins Chas. M. & Co., 271 9th, Brooklyn, N. Y.
National Gum & Mica Co., 59th & 11th av, New York
Perkins Glue Co., Lansdale, Pa.
Reardon Glue Mfg Co., 2d & Clinton, St. Louis, Mo.
Weil Samuel & Son, 194 Franklin, New York
Williamson Glue & Gum Wks., 220 W Huron, Chicago, Ill.

## 5519— Glue (Waterproof)

Certus Cold Glue Co. (In Powder Form), 28 E Hennepin av, Minneapolis, Minn.
Ferdinand L. W. & Co. ("Jeffrey's Waterproof Liquid"), 154 Kneeland, Boston, Mass.

## 5520— Glutinate

Loos & Dilworth, 134 S Front, Phila., Pa.

## 5521— Glycerine

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Alba Mfg. Co., Aurora, Ill.
American Trading Co., 25 Broad, New York
Armour & Co. (Refined), 208 S La Salle, Chicago, Ill
Babbitt B. T. (Inc.), (Refined), 15 W 34th, New York
Celina Stearic Acid Co. (Crude), Celina, O.
Colgate & Co. (Refiners), 105 Hudson, Jersey City, N. J.
Cudahy Packing Co. (Refiners), 111 W Monroe, Chicago, Ill.
Emery Candle Co. (Refined for Dynamite), Cincinnati, O.
Fairbank N. K. Co. (Refined), 111 W Washington, Chicago, Ill.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Globe Soap Co. (Refined), United Bank bldg, Cincinnati, O.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Gross A. & Co., 90 West, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Jacob Chas. W. & Allison (Imp "Glypho" Substitute), 18 Cedar, New York
Jobbins Wm. F. (Inc.) (Crude, Refined, Chemically Pure), Aurora, Ill.
Kendall Mfg. Co., 90 Friendship, Providence, R. I.
Kirk E. W. Soap Cleaner Co., Edina, Mo.
Kirk Jas. S. & Co. (Refined), 1232 W North av
Kirk Walter R., 327 S LaSalle, Chicago, Ill.
Kirkman & Son (Refined), 215 Water, Brooklyn, N. Y.
Larkin Co. (Refined), 663 Seneca, Buffalo, N. Y.

Lautz Bros. & Co., Buffalo, N. Y.
Marx & Rawolle, 100 William, New York
National Aniline & Chemical Co., Inc., 21 Burling sl, New York
Peet Bros. Mfg. Co., 17th & Kans. av, Kansas City, Mo.
Proctor & Gamble Co. (Refiners), Gwynne bldg, Cincinnati, O.
Remmers Soap Co., 2261 Spring Grove av, Cincinnati, O.
Schellings C. J. & Co. (Imp.), 160 Pearl, New York
Swift & Co. (Refined), Union Stock Yards, Chicago, Ill.
Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York
Will & Baumer Co. (Crude), Syracuse, N.Y.

## 5521a— Glycerine Substitues

Nulomoline Co., 111 Wall, New York

## 5522— Glycerophosphate

Merck & Co., 45 Park pl, New York
Monsanto Chemical Works (Calcium, Potassium & Sodium), St. Louis, Mo.

## 5523— Goals (Basket Ball)

St. Charles Net & Hammock Co., St. Charles, Ill.
Spalding A. G. & Bros., 126 Nassau, New York

## Go-Carts

See Carriages, Children's with the Words Go-Cart Following Their Names

## 5524— Goggles (Sand Blast)

Cover H. S. ("Cover's" Rubber), South Bend, Ind.
MacLeod Co., 2227 Bogen, Cinncinnati, O.
*See adv index at end of book*

## 5525—Goggles & Eye Protectors

American Optical Co., Southbridge, Mass.
American Thermo-Ware Co. (For Automobilists, Oxygen Welders, Workmen, etc), 16 Warren, New York
Carbic Mfg. Co. (Carbic Goggles for Welding & Cutting), Duluth, Minn.
Chicago Eye Shield Co. ("Eureko." "Boston," "Chicago," "Cheyenne"), 2300 Warren av, Chicago, Ill.
Cover H. S. ("Cover's" Rubber), South Bend, Ind.
Demmerle & Co., 45 W 25th, New York
Faultless Rubber Co. (Auto Goggles), Ashland, O.
Featherweight Eyeshade Co. ("Featherweight"), Merchantville, N. J.
Globe Optical Co., 403 Washington, Boston, Mass.
Hardy F. A. & Co. ("Noviweld"), 10 S Wabash av, Chicago, Ill.
Hayward S. F. & Co., 250 W 54th, New York
Hudson Products Co., 19 Madison av, New York
King Julius Optical Co. ("Saniglas," All kinds), 10 Maiden la, New York
Motor Car Supply Co., 1453 Michigan av, Chicago, Ill.
Munsell Eugene & Co., 68 Church, New York
National Helmet Co. (Workmen's), 250 W 54th, New York
Newport Novelty Mfg. Co., 28 Boerum, Brooklyn, N. Y.
Pennsylvania Optical Co., Reading, Pa.
Safety First Supply Co., 107 3d av, Pittsburgh, Pa.
Scheffer & Rossum Co., 104 E 10th, St. Paul, Minn.
Scheidig Jno. & Co. (Imp Eye Shields), 32 Maiden la, New York
Soderling Walter Co., Inc. (Safety & Welding), 347 W Broadway, New York
Spencer Optical Co. (Imp), 5 Maiden la, New York
Standard Optical Co. ("Shoes"), Geneva, N. Y.
Strauss Bros. & Co. (Goggles, Imported), 355 B'way, New York
Strauss & Buegeleisen ("Resistal"), 16 Hanover pl, Brooklyn, N. Y.
Strong, Kennard & Nutt Co. ("Adjustoglas," for Welders, etc), 2044 E 9th, Cleveland, O.
Sussfeld, Lorsch & Co. (Imp), 90 Maiden la, New York
Triplex Safety Glass Corp. of Am. (Glass for Goggles), 19 W 44th, New York
Wilson Goggle, Inc. ("Willson" Eye Protectors for Workmen & Safety Glasses), Reading, Pa.

## 5525a— Gold Chloride

Ames M. Chemical Wks, Glen Falls, N. Y.
Cooper Chas. & Co., 194 Worth, New York
Mallinckrodt Chem. Wks., 2d & Mallinckrodt, St. Louis, Mo.
Powers-Weightmann-Rosengarten Co., 916 Parrish, Phila., Pa.
Warren Products Co., 265 B'way, New York *See adv index at end of book*

## 5525b— Gold (Granulated)

Handy & Harman, 55 Cedar, New York
Jackson John J. Co., 158 Astor, Newark, N. J.
Ney J. M. Co., Hartford, Conn.

## 5526— Gold Leaf

American Roll Gold Leaf Co., 56 Pine, Providence, R. I.
Baer Bros., 438 W 37th, New York
Baker & Co., 54 Austin, Newark, N. J.
Cabot Edwin S. (Est. of), 103 Arch, Boston, Mass.
Coe W. H. Mfg. Co., 74 Weybosset, Providence, R. I.
Cottier Chas. & Son, 65 Nassau, New York
Drakenfeld B. F. & Co., 50 Murray, New York
Harwood F. W. & Son, 307 Guilford av, Baltimore, Md.
Hastings & Co., 819 Filbert, Phila., Pa.
Henke Robt., 175 Park row, New York
Hickson Stephen A., 559 Broome, New York
Hunt Philip A. Co., 225 5th av, New York
Kemp W. H. Co., 165 Spring, New York
Powers-Weightmann-Rosengarten Co., 916 Parrish, Phila., Pa.
Rauskolb Fred W Co., 103 Arch, Boston, Mass.
Schultz's Michael Sons (Imitation Gold & Metal Leaf), 152 E Houston, New York
Swift M. & Sons, Hartford, Conn.
Valleau Mfg. Co., 506 Broome, New York
Wehrung & Billmeier Co., 3624 Lincoln av, Chicago, Ill.

## 5526a1— *Gold (Liquid)

**HANOVIA CHEMICAL & MANUFACTURING CO.** (for China and Glass Decorating), 100 Chestnut, Newark, N. J. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 5526a—Gold-Sodium (Chloride)

Ames M. Chem. Wks., Glen Falls, N. Y.
Warren Products Co., 265 B'way, New York *See adv index at end of book*

## 5527—Golf Course Cups & Hole Cutters

**GEM MFG. CO.**, Goebel nr Fulton N S. Pittsburgh, Pa.
*See adv index at end of book*

## Gongs (Car, Etc.)

See Bells & Gongs, Car

## 5528—Gongs (Electro-Mechanical)

Bunnell J. H. & Co., 32 Park pl, New York
Edwards & Co., Exterior & 104th, New York
Gamewell Fire Alarm Telegraph Co., 70 E 45th, New York
Haas R. Electric & Mfg. Co. ("Ideal"), Springfield, Ill.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Loper Fire Alarm Co., Stonington, Conn.
Partrick & Wilkins Co., 51 No. 7th, Phila., Pa.
Star Electrical Motor Co., Miller & N J RR av, Newark, N. J.

## 5529—Gongs (Unmounted Electric Bell)

American Tube & Stamping Co., Bridgeport, Conn.
Bevin Bros. Mfg. Co., East Hampton, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Catasauqua Gong & Stamping Works, Catasauqua, Pa.
East Hampton Bell Co., East Hampton, Conn.
Gong Bell Mfg. Co., East Hampton, Conn.
Hill N. N. Brass Co., East Hampton, Conn.
Reiter G. C., Canton, O
Star Bros. Bell Co., East Hampton, Conn.

## 5530— Goosenecks

American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co. (Lead & Cast Iron), 11th & Hebert, St. Louis, Mo.
Campbell J. B. Brass Works (Lead, etc), Erie, Pa.
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Federal-Huber Co. (Cast Iron), 234 N Halsted, Chicago, Ill.
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co. (Lead, etc), Erie, Pa.
Heap Wm. & Sons, Grand Haven, Mich.
Kupferle Jno. C. Fdry. Co. (Cast Iron), 1st & Wright, St. Louis, Mo.
McDonald A. Y. Mfg. Co. (Cast Iron, etc), Dubuque, Ia.
McShane Bell Foundry Co., Harford av & B & O R R, Baltimore, Md.
Miller Chas. A. Co. (Galvanizing for High Tanks), Sturgis, Mich.
Mueller H. Mfg. Co. (Lead, Wipe Joint, Lead Flange, etc), Decatur, Ill.
Park & McKay, 55 Bagley av, Detroit, Mich.
Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.
Walworth Mfg. Co. (Lead, etc), Boston, Mass.

## 5531—Gouges (Plumbers', Blacksmiths', Etc.)

See also Chisels & Gouges, Carpenters'
Braunsdorf-Mueller Co. (Carpenters, Plumbers & Turning), Elizabeth, N. J.
Buffum Tool Co. ("Swastika," Plumbers' & Wood Turners', all Steel Handle), South Side, Louisiana, Mo.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gardner Machine Works, Gardner, Mass.
Plomb Tool Mfg. Co., 1119 Santa Fe, Los Angeles, Cal.
Stortz John & Son, 210 Vine, Phila., Pa.

## 5532—Governors (Compressor)

INGERSOLL-RAND CO., 11 B'way, New York *See adv index at end of book*
Judson Governor Co., Rochester, N. Y.
WESTINGHOUSE AIR BRAKE CO., Pittsburgh, Pa.
WESTINGHOUSE TRACTION BRAKE CO., Pittsburgh, Pa.

## 5533—*Governors (Electric Motor Compressor)

INGERSOLL-RAND CO., 11 B'way, New York. *See adv index at end of book*

## 5534—*Governors (Electric Pump)

GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Ruggles-Klingemann Mfg. Co. (Oil) ("R-K"), Salem, Mass.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*

## 5535— Governors (Gas)

Am. Gas Governor Wks., Inc., 31-33 E 27th, New York
Baylis Company, Bloomfield, N. J.
Chaplin-Fulton Mfg. Co. ("Fulton," for District or Service Use; also "Duplex" Sensitive with Automatic Cut-Off), 34 Penn av, Pittsburgh, Pa.
Connelly Iron Sponge & Governor Co. (Automatic, Balance, High Pressure & Service), 227 Fulton, New York
Equitable Meter Co. ("Crawford," Street Main Governors), 424 1st av., Pittsburgh, Pa.

GOVERNORS (GAS)—continued

Gas Machy. Co., 1900 Euclid av, Cleveland, O.
Helme & McIlhenny ("Foulis" Station), 1339 Cherry, Phila., Pa.
Hennebohle Frank (& Hydraulic), 81st & S Chicago av, South Chicago, Ill.
Ideal Automatic Governor Co., 164 Emmet, Newark, N. J.
Isbell-Porter Co. (Street Governors), 46 Bridge, Newark, N. J.
Lee George E. Co., Caxton bldg, Cleveland, O.
Lees International Gas Governor Co., 128 N Main, Providence, R. I.
Leffler Chas. & Co. ("Automatic") 59 Clymer, Brooklyn, N. Y.
*See adv index at end of book*
**MASON REGULATOR CO.** ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Reynolds Gas Regulator Co. (High Pressure for Artificial Gas), Anderson, Ind.

## 5535a—Governors (Gasoline Engine)

Duplex Engine Governor Co., 36 Flatbush av, extension, Brooklyn, N. Y.

## 5536—Governors (Motor Compressor)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
**WESTINGHOUSE TRACTION BRAKE CO.**, Pittsburgh, Pa.

## 5537—Governors (Oil Burner)

Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Witt G. E. Co. ("Little Giant"), 862 Howard, San Francisco, Cal.

## 5538—Governors (Pneumatic)

Judson Governor Co., Rochester, N. Y.
National Brake & Elec. Co. ("National," for Electric Cars), ft Belleview pl, Milwaukee, Wis.

## 5539— Governors (Pressure)

Foster Engng. Co., 109 Monroe, Newark, N. J.
Judson Governor Co., Rochester, N. Y.
McAlear Mfg. Co. (High Boiler Line), 1901 S Western av, Chicago, Ill.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

## 5540— Governors (Pump)

Acton John (Leather Cup Pump Governors), 118 John, Brooklyn, N. Y.
Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
American Steam Gauge & Valve Mfg. Co. ("American Universal" Safety), 208 Camden, Boston, Mass.
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
Berry Engineering Co. ("Berry"), Chester, Pa.
Burrows Mfg. Co. (Automatic), York, Pa.
Cash A. W. Co., Decatur, Ill.
*See adv index at end of book*
Chaplin-Fulton Mfg. Co. ("Fulton"), 34 Penn av, Pittsburgh, Pa.
Chicago Engineer Supply Co. ("Boylston"), 68 W Lake, Chicago, Ill.
Collins Mfg. Co. (Ltd.) ("Griffith's" Automatic), 612 Chestnut, Phila., Pa.
Consolidated Engineering Co. ("Van Auken," for Feed & Vacuum Pumps), 507 W Jackson blvd, Chicago, Ill.
Davis G. M. Regulator Co. (Auto. Condenser & Receiver), 434 Milwaukee av, Chicago, Ill.
**D'ESTE JULIAN CO.**, 26 Canal, Boston, Mass. *See adv index at end of book*
**Dow Pump & Diesel Engine Co., 417**
Dunham C. A. Co. (Vacuum), 343 S Dearborn, Chicago, Ill.
Elliott B. K. Company, Frick bldg, 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Fisher Governor Co. ("Fisher"), Marshalltown, Ia.
Ford Thos. P. Co. (Automatic), 407 Broome, New York
Foster Engng. Co. (Diaphragm or Piston Operated, Hydraulic, Ammonia, Excess Boiler Feed, Vacuum, Fuel Oil, etc.), 109 Monroe, Newark, N. J.
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Garrett W. D. & Co., 126 Liberty, New York
**GODFREY-KEELER CO.** ("Simplex"), 70 Warren, New York.
*See adv index at end of book*
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*
Hughson Steam Spec. Co. ("Eclipse"), W 21st & S Racine av, Chicago, Ill.
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, Ohio
*See adv index at end of book*
Ideal Automatic Governor Co. ("Ideal"), 164 Emmet, Newark, N. J.
Illinois Engineering Co. ("Hughson"), W 21st & S Racine av, Chicago, Ill.
Judson Governor Co., Rochester, N. Y.
Kieley & Mueller ("Rockaway" Automatic), 34 W 13th, New York
Kitts Mfg. Co. (Pressure), Oswego, N. Y.
Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.
Linton Machine Co., 26 Cortlandt, New York
**LOCKE REGULATOR CO.** ("Boardman," also Fire Pump), Salem, Mass.
McAlear Mfg. Co. (Condensation, Excess Pressure & Vacuum), 1901 S Western av, Chicago, Ill.
McDonough Automatic Regulator Co. ("McDonough"), 716 Gd. River, Detroit, Mich.
**MASON REGULATOR CO.** ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Middlesex Machine Co. ("Legg"), Lowell, Mass.
Monash-Younker Co., 1407 W Jackson blvd, Chicago, Ill.
Nason Fred W. Co., 39 Cortlandt, New York
Northern Equipment Co. ("Copes"), Erie, Pa.
Ruggles-Klingemann Mfg. Co. (Vacuum "R-K"), Salem, Mass.
**"S.-C." REGULATOR MFG. CO.** ("S.-C.") Fostoria, O.
Shopp, W. A. & Co. (Water & Oil), New Castle, Ind.
Squires C. E. Co., 3934 Kelly av, Cleveland, O
Standard Steam Specialty Co. ("Utility"), 542 W B'way, New York
Strong, Carlisle & Hammond Co. ("Strong"), 336-344 Frankfort av, N W, Cleveland, O.
Tagliabue Chas. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.
Waters Governor Co., 141 Milk, Boston, Mass.
Watson & McDaniel Co. ("Watson" Steam Pump, Intermittent & Throbbing), 146 N 7th, Phila., Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Wilgus Mfg. Co. ("Wilgus" for Fuel Oil Steam Pumps, Air Compressors, etc.), Los Angeles, Cal.
Williams Gauge Co. ("Williams"), 543 4th av, Pittsburgh, Pa.
Wilson-Snyder Mfg. Co., 2 Ross, Pittsburgh, Pa.
Witt G. E. Co. ("Little Giant"), 862 Howard, San Francisco, Cal.
Wright-Austin Co. ("Murray"), 97 Woodbridge, Detroit, Mich.

## 5541—Governors (Retort House)

Connelly Iron Sponge & Governor Co., 227 Fulton, New York
Isbell-Porter Co., 46 Bridge, Newark, N. J.

**WESTERN GAS CONSTRUCTION CO.**, Fort Wayne, Ind.

## 5542-3—Governors (Steam Engine)

Bayard M. L. & Co., Woodbine, N. J.
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
**GODFREY-KEELER CO.**, 70 Warren, New York. *See adv index at end of book*
Judson Governor Co., Rochester, N. Y.
Knowlson & Kelley Co., Inc., Troy, N. Y.
Lombard Governor Co., Ashland, Mass.
Massey Machine Co. ("Jahn" Steam & Gas Engine & Turbine), Watertown, N. Y.
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Pickering Governor Co., Portland, Conn.
Sinker-Davis Co. ("King," "Hoosier,"), Indianapolis, Ind.
Vicksburg Governor Co. ("New Judson"), Vicksburg, Mich.
Waters Governor Co., 141 Milk, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 5544— Governors (Turbine)

Ideal Automatic Governor Co., 164 Emmet, Newark, N. J.
Massey Machine Co. ("Jahns" System), Watertown, N. Y.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 5545—Governors (Water Line)

McAlear Mfg. Co., 190 S Western av, Chicago, Ill.
Steam Appliance Co. ("Peters"), Milwaukee, Wis.

## 5546—Governors (Water Wheel)

Cohoes Iron Foundry & Machine Co. ("Snow"), Cohoes, N. Y.
*See adv index at end of book*
Holyoke Machine Co., Worcester, Mass.
Hunt Rodney Machine Co., Orange, Mass.
Lombard Governor Co., Ashland, Mass.
Pelton Water Wheel Co., 19 & Harrison, San Francisco, Cal., & 90 West, New York
Woodward Governor Co., Rockford, Ill.

## 5547— Grabs (Oyster)

Auer John, Jr. (Wrought Tongs), 197 Middleton, Brooklyn, N. Y.

## Grabs (Stone, Etc.)

See Hooks, Grab

## 5548— Graders (Barley)

Howes S. Co. ("Rich" Barley Grades & Needle Screens), Silver Creek, N. Y.

## Graders (Elevating)

See Road Machines & Graders

## 5549—Graders (Grain & Seed Corn)

American Grain Separator Co. ("Winner"), Erie & S E Essex, Minneapolis, Minn.
Cleland Mfg. Co. ("Expert"), 280 Washington av, N, Minneapolis, Minn.
Constant B. S. Mfg. Co. ("U. S."), Bloomington, Ill.
Dickey A. P. Mfg. Co. ("Dickey"), Racine, Wis.
Ferrell A. T. & Co. ("Clipper"), Saginaw, Mich.
Gale Mfg. Co., Albion, Mich.
Hirsch Bros. ("Webber"), 267 Reed, Milwaukee, Wis.
Hunnicutt Chas. Co. ("Perfection"), Wilmington, O.
Invincible Grain Cleaner Co. ("Invincible"; also Rice, Oats & String Beans), Silver Creek, N. Y.
Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Manson-Campbell & Sons Co. ("Chatham"), 45 Federal, Detroit, Mich.
Martin Co. ("Corn King"), Sac City, Ia.
Maytag Co. ("Hawkeye"), Newton, Ia.
Noxall Mfg. Co., Seward, Neb.
One Minute Mfg. Co. ("Newton"), Newton, Ia.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Rumely Leo Tractor Co. ("Rumely," "Rainbow," Grain, Hand or Power), La Porte, Ind.
Success Seed Grader Co. ("Success"), Spokane, Wash.
Twin City Separator Co. ("Hero"), 29th & Colfax av S, Minneapolis, Minn.

## 5550—Graders (Railroad, Reservoir, Etc.)

**Bagley Grader Co. ("Bagley" Steam or Electric Power), Tacoma, Wash.**

## 5551— Graders (Rice)

Dickey A. P. Mfg. Co., Racine, Wis.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sprout, Waldron & Co., Muncy, Pa.

## Gradometers

See Meters, Distance Recording

## 5552—Graduators (Thermometer & Chemical Glassware)

Burr Co., Champaign, Ill.

## 5553—Grain Elevator Builders

American Machinery Co., 103 W Water, Milwaukee, Wis.
Barnard Machinery Co., Enterprise, Kan.
**Barnett & Record Co., Flour Exch., Minneapolis, Minn.**
**Benson C. H., Corn Exchange, Minneapolis, Minn.**
Burrell Engineering Construction Co., 30 N La Salle, Chicago, Ill.
**Camp Bros. & Co. (& Hydraulic Dump), Washington, Ill.**
**Chesley Earl & Heimbach, 20 Breckenridge, Buffalo, N. Y.**
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hickok Construction Co., 818 Flour Exchange, Minneapolis, Minn.
**Honstain Bros. Co., 306 Corn Exchange, Minneapolis, Minn.**
Iberson T. E., Corn Exchange, Minneapolis, Minn.
**King & Hamilton Co., Ottawa, Ill.**
Link Mfg. Co., Kansas City, Mo.
Macdonald Engineering Co., 53 W Jackson blvd, Chicago, Ill.
**Metcalf J. S. Co., 108 S La Salle, Chicago, Ill.**
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Snyder Wm. H., Carey, O.
Southwestern Engg. Co., Springfield, Mo. (Designers & Builders)
Sprout, Waldron & Co., Muncy, Pa.
**STEWART JAS. & CO. (INC.), Westminster bldg, Chicago, Ill.**
Wasner Elevator Mfg. Co. ("Dakota," "Gopher," "North Star"), Warner, Ill.
**Witherspoon-Englar Co., Monadnock blk, Chicago, Ill.**
Wolf Co., Chambersburg, Pa.
**Ypsilanti Machine Works, Ypsilanti, Mich.**

## 5554—Grain Elevator & Wagon Dumps (Portable)

**Bauroth Bros. ("Bauroth"), Springfield, O.**
**Camp Bros. & Co. ("Camp" Hydraulic), Washington, Ill.**
Cizek Bros. Mfg. Co. ("Farmers' Friend"), Clutier, Ia.
**Clark Machine Co. ("Clark"), St. Johnsville, N. Y.**
**Davidson Chas. E. ("Eureka"), Eureka, Ill.**
**Fleming & Sons Mfg. Co. ("Acme"), Huntsville, Mo.**
**Fremont Mfg. Co. ("Jones"), Fremont, Neb.**
**G. & D. Mfg. Co. ("Farmers' Friend"), Streator, Ill.**
**Galloway William Co., Waterloo, Ia.**
**Hart Grain Weigher Co. ("Hart," Vertical Bucket Type), Peoria, Ill.**
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**King & Hamilton Co. ("American," "K. & H."), Ottowa, Ill.**
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill. & Hunting Park av & P & R RY, Phila., Pa. *See adv index at end of book*
**Luthy & Co. ("Ideal"), Peoria, Ill.**
**Maroa Mfg. Co., Maroa, Ill.**
Marseilles Works of Deere & Co. ("Marseilles"), East Moline, Ill.
**Meadows Mfg. Co. ("Rocke," "Meadows"), Pontiac, Ill.**
Meyer A. F. Mfg. Co., Morton, Ill.
**O'Neil T. L. ("Eclipse," "Flying Swede"), Marseilles, Ill.**
**Peoria Drill & Seeder Co. ("Peoria" all Steel), Peoria, Ill.**
**Portable Elevator Mfg. Co. ("Little Giant," "National"), Bloomington, Ill.**
**Rude Mfg. Co., Liberty, Ind.**
**Rumely Leo Tractor Co., La Porte, Ind.**
**Sandwich Mfg. Co. ("Sandwich"), Sandwich, Ill.**
**Schroeder H. V. Mfg. Co. ("Schroeder"), Minier, Ill.**
**Sprout, Waldron & Co. ("Monarch"), Muncy, Pa.**
**Sterling Mfg. Co., Sterling, Ill.**
**Swanson-St. Joseph Plow Co. ("Swanson"), St. Joseph, Mo.**
**Warner Elevator Mfg. Co. ("Dakota," "Gopher," "North Star," "Warner"), Warner, Ill.**
**Wenzelman Mfg. Co. ("Wenzelman"), Galesburg, Ill.**
**Wolf Co., Chambersburg, Pa.**

## Grain Tanks

See Tanks, Grain Storage

## 5554a— Grains (Emery)

Day S. A. Mfg. Co. (Dealers), 1483 Niagara, Buffalo, N. Y.
Jackson Mills Emery Co., Pennsylvania bldg, Phila., Pa.
**Niagara Emery Mills, Lockport, N. Y.**

## 5555—Grains & Brick (Rubbing)

Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
**Norton Co. (Alundum & Crystolon), Worcester, Mass.**
**Thurston F. W. Co. ("Thur-Stone"), 1832 S Clark, Chicago, Ill.**
Waddell R. J. & Co. ("Schumacher's"), 52 Beekman, New York

## 5556— Granite (Black)

**French Creek Granite Co., St. Peters, Pa.**

## 5557—Granite Building Work (Cutters' & Contractors')

These names are duplicated under the head of Granite Producers, Workers & Dealers
**Blake Chas. G & Co. (Monumental Work),** 108 S LaSalle, Chicago, Ill.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 208 B'way, New York
Cross Bros. Co., Northfield, Vt.
Fletcher H. E. Co. (Mausoleums, Vaults, etc), West Chelmsford, Mass.
Flynt W. N. Granite Co., Monson, Mass.
Granite Railway Co., Quincy, Mass.
Gray Wm. & Sons Co., 30th bl, Walnut, Phila., Pa.
**Guilford & Waltersville Granite Co., Law bldg., Baltimore, Md.**
Hallowell Granite Works, Hallowell, Me., & 53 State, Boston, Mass.
Harris C. J. Granite Quarries Co., Salisbury, N. C.
Jones Bros Co. (Monumental Work a Specialty), 10 High, Boston, Mass.
Leopold J. & Co., 233 Broadway, New York
**McDonnell & Sons, 858 Main, Buffalo, N. Y.**
Milford Ping-Victoria White Granite Co., 405 Lexington av, New York
**Mount Waldo Granite Works, Frankfort, Me.**
National Building Granite Quarries Assn., Inc., 31 State, Boston, Mass.
New England Granite Works, Westerly, R. I.
North Carolina Granite Corp., Mount Airy, N. C.
Perry Bros., Concord, N. H.
Port Deposit Quarry Co., Port Deposit, Md.
**ROCKPORT GRANITE CO.,** Rockport, Mass.
Rullman & Wilson, Lafayette E of Mt Royal, Baltimore, Md.
St. Cloud Granite Works, St. Cloud, Minn.
**SWENSON JOHN GRANITE CO.,** Concord, N. H.
**Welbien A. Marble & Granite Co., City Pk av & St. Louis, New Orleans, La.**
**Wells-Lamson Quarry Co., Barre, Vt.**
Windsor Green Granite Co., Worcester, Mass., & Windsor, Vt.
**Winnsboro Granite Corp., Rion, S. C.**
Woodbury Granite Co., Hardwick, Vt.

## 5557a—Granite (Chemically Pure)

Grueby Faience & Tile Co. ("Grubite"), Perth Amboy, N. J.

## 5558—Granite Columns (Polished)

Blake Chas G. & Co., 108 S La Salle, Chicago, Ill.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 208 B'way, New York
Fletcher H. E. Co., West Chelmsford, Mass.
Foster & Hosler, 431 S Dearborn, Chicago, Ill.
Granite Railway Co., Quincy, Mass.
Hallowell Granite Works, Hallowell, Me.
Jones Bros. Co., 10 High, Boston, Mass.
Milford Ping-Victoria White Granite Co., 405 Lexington av, New York
New England Granite Works, Westerly, R. I.
Richards John R., Quincy Mass.
Rockport Granite Co., Rockport, Mass.
St. Cloud Granite Works, St. Cloud, Minn.
Simmers & Campbell (Turned & Polished), St. Cloud, Minn.
Swenson John Granite Co., Concord, N. H.
Wells-Lamson Quarry Co., Barre, Vt.
Woodbury Granite Co., Hardwick, Vt.

## Granite (Crushed)

See Stone, Crushed; also Trap Rock

## 5559— Granite (Green)

Clements Chas. ("American" Killarney), Boston, Mass.
Rockport Granite Co., Rockport, Mass.

## 5560— Granite (Ligonier)

Booth & Flinn (Ltd.) 1942 Forbes, Pittsburgh, Pa.

## 5561— Granite Meal

Port Deposit Quarry Co., Port Deposit, Md.

## Granite (Monumental Work)

See Granite Building Work, Cutters & Contractors; also Barre, Vt.; Quincy, Mass., & Westerly, R. I., in Granite Producers, Workers & Dealers

## 5562—Granite Producers (Pink)

Harris C. J. Granite Quarries Co., Salisbury, N. C.
Leopold J. & Co., 233 Broadway, New York
Lovejoy Granite Co., Milford, N. H.
New England Granite Works, Westerly, R. I.
Norcross Bros. Co. (Milford Pink), 10 E Worcester, Worcester, Mass.
Webb Pink Granite Co., Milford, Mass.
Wise Granite & Construction Co., Richmond, Va.

## 5563—Granite Producers (Red)

Anderson Bros. & Johnson Co. ("Wisconsin Ruby") Wausau, Wis.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 208 B'way, New York
Leopold J. & Co., 233 B'way, New York
Milford Ping-Victoria White Granite Co., 405 Lexington av, New York
New England Granite Works (Westerly Red, etc), Westerly, R. I.
Norcross Bros. Co. (Stony Creek, etc), 10 E Worcester, Worcester, Mass.
**ROCKPORT GRANITE CO.,** Rockport, Mass.
Smith Granite Co., Westerly, R. I.

## 5564—Granite Producers, Workers & Dealers

Those Marked with the Star (*) have Quarries
All other Granite classifications are duplicates of this list.
See also Granite Building Work, Cutters & Contractors; also Granite Columns, Polished; also Marble Producers; also Stone Producers, Workers & Dealers

### CALIFORNIA.

NEVADA CITY—*Bridges E. D.
PENRYN—*Griffith David
ROCKLIN—California Granite Co.
*Delano Granite Co.
*Kesti & Son
SACRAMENTO—*Carlaw Bros.
SAN DIEGO—*Simpson-Pirnie Granite Co.
SAN FRANCISCO—McGilvray Stone Co., 634 Townsend
Raymond Granite Co., Division & Potrero av

### COLORADO.

DENVER—*Denver Marble & Granite Co.

### CONNECTICUT.

GROTON—*Salter J. & Son
LEETE ISLAND—Beattie John
MILLSTONE—Gardiner Henry
NEW HAVEN—Bowden Thos.
NEW LONDON—Booth Bros. & Hurricane Isle Granite Co. (Red, Grey, White etc)
Buckley M. D.
*Kopp J. K.
Sayle Thos., Jr.
NORWALK—Bates Jno. S.
STONY CREEK—Stony Creek Red Granite Co.
WATERFORD—*Booth Bros. & Hurricane Isle Granite Co.

### DELAWARE.

WILMINGTON—Delaware Granite & Mining Co., 14th & Pine

### DISTRICT OF COLUMBIA.

WASHINGTON—Falvey Michael J., 602 11th, N W

### GEORGIA.

ATLANTA—Pine Mountain Granite Co.
ELBERTON—Elberton Granite Corp.
Oglesby Granite Co. ("Oglesby" Blue Granite)
LITHONIA—*Brand J. T.
*Brand & Newmeyer Granite Co.
*Brantley & Doby
*Davidson Granite Co.
*Johnson Granite Co.
*Pine Mountain Granite Co.
MACON—*Georgia Quincy Granite Co.
ROME—Standard Marble Co.
STONE MOUNTAIN—*Stone Mountain Granite Corp.

### ILLINOIS.

BLOOMINGTON—Higgins - Jung - Kleinau Co.
Moore J. K.
CHICAGO—Blake Chas. G. & Co., 108 S La Salle
Fenn C. E. & Co., (Wholesalers), 38 S Dearborn
Foster & Hosler, 431 S Dearborn
Gall Chas H., 127 N Dearborn
Laechle W. C. & Co., 30 N La Salle
MacLane Edw. (Mfrs. Agent), 1937 Grace
*SWENSON JOHN GRANITE CO., Marquette bldg.
Waushara Granite Co., 133 W Wash'n
Wisconsin Granite Co., 11 S La Salle

### KENTUCKY.

LOUISVILLE—Peter & Burghard Stone Co.

### LOUISIANA.

SHREVEPORT—Newman A. J.

### MAINE.

ADDISON—Pleasant River Granite Co.
BANGOR—*Bangor Granite Co.
BIDDEFORD—Ross Ivory S.
Yates G. H.
FRANKLIN—Blaisdell W. B. & Co.
Bragdon Lincoln C.
FREEPORT—Green Fred C.
FRYEBURG—*Eagle Gray Granite Co.
HALLOWELL—*Hallowell Granite Works
JONESBORO—*Bodwell Granite Co.
NORTH JAY—*Maine & New Hampshire Granite Corp.
NORTH SULLIVAN—Crabtree & Havey
PORTLAND—Union Granite Co.
RED BEACH—Tarbox O. S.
ROCKLAND—Bodwell Gran. Co. (Red & Grey)
ROCKPORT—Philbrook Wm. H.
SOUTH THOMASTON—Bassick N. C. & Sons
Sleeper W. P.
STONINGTON—*Goss John L. Corp.
*Hagan John & Co.
SULLIVAN—*Dunbar Bros.
SWANVILLE—Webb F. P. & F. J.
THOMASTON—Burton Alvah F.
WATERVILLE—*Waterville Granite & Marble Co.

### MARYLAND.

BALTIMORE—*Guilford & Waltersville
Hilgartner Marble Co., 223 N Charles
Rullman & Wilson (Granite Workers), Lafayette, E of Mt. Royal
GRANITE—Guilford & Waltersville Granite Co.
GUILFORD—Maryland Granite Co.
PORT DEPOSIT—Port Deposit Quarry Co. (Grits & Bldg Granite)
WOODSTOCK—Feeney & Atherton
Putney, Oliver C. (quarry)

### MASSACHUSETTS.

BOSTON—Clements Chas. (Importer, Scotch)
*Cook, Watkins & Co. (Monumental Wholesale), 223 Columbus av
*Crumb Quarry Co., 35 Congress
*Fletcher Lahey Co. (Grey, Pink & White), 31 State
*Hallowell Granite Works, 53 State
Hildreth Granite Co., 31 State
Jones Bros. Co., 10 High
National Building Granite Quarries Assn. Inc., 31 State
*Norcross Bros. Co. (Grey, Red & Green Quarries at Milford, Mass.; Stony Creek, Conn.; Windsor, Vt., & Oneco, Conn.), Tremont bldg
*ROCKPORT GRANITE CO., 31 State
Sweatt & Gould, 75 Main
Van Amringe Granite Co., 167 Tremont
CAMBRIDGE—Harrington John (Est. of)
CHESTER—*Hudson & Chester Granite Co.
FALL RIVER—*Beattie Wm. H. (Dealer & Contractor)
FITCHBURG—Godbeer Henry
*Litchfield Orin E.
*McCauliff F. A.
GRANITEVILLE—*Fletcher H. N.
*Hildreth H. V.
*Palmer L. P. & Sons
*Wright H. D.
LANESVILLE—*Cheves Wm. R.
*Nickerson Wallace E.
LAWRENCE—Lawrence Granite Co.
LINWOOD—*Blanchard Bros. Granite Co.
LYNN—Merrill Geo. B. & Co.
MILFORD—Hutchings Geo. T.
Milford Pink Granite Co. (Quarriers of Building & Monumental Granite)
Victoria White Granite Co.
*Webb Pink Granite Co.
MONSON—*Flynt W. N. Granite Co.
QUINCY—Aberdeen Granite Works, West Quincy
Aberogwen Monumental Works
Ballou J. C.
Barnicoat Fred, South Quincy
Birnie & Diack, South Quincy
*Bishop Bros., Quarry Co.
Bishop Charles, South Quincy
Bishop R. & B.
Bishop Jos., South Quincy
Bizzozero E., West Quincy
Blue Hill Quarry Co., West Quincy
Callahan Wm.
Canniff W. C. & Co.
Casna J. & Co.
Clark & Pearce, South Quincy
Cole & Cole
Collins Thos. & Sons
Columbia Granite Works
Craig, Forbes & Co.
Cranch Hill Granite Works
Deacon Bros., South Quincy
Deacon Walter & Co.,, South Quincy
Deane A. M. & Co., South Quincy
Di Bona Luigi, West Quincy
Eagle Polishing Co., South Quincy
Elcock & Sons, West Quincy
Empire Polishing Co., South Quincy
Falconer & Co.
Fanning P.
Fitzgerald D. F.
Fuller, Foley & Co., West Quincy
Glencoe Granite Co., West Quincy
Giordanni & Co.
Golbranson & Co., South Quincy
Granite Railway Co., West Quincy
Hardwick C. H. & Co.
Howie A. & Son
Hughes & Johnson
Igo Jno. & Co.
Jenkins Jas. H.
Joss Bros. Co.
Kavanagh Bros. Co., South Quincy
Kelley James F. & Sons Co.
Kemp Alex., South Quincy
Le Claire Marcisse & Co., West Quincy
Long & Saunders Co., South Quincy
McGrath Bros., South Quincy
McIntosh A. M. & Co., South Quincy
McLeod W. J., & Co.
Malnati A. & Co., South Quincy
Mannix Patrick W., West Quincy
Maravigli John & Co.
Marnock A. & Co., South Quincy
Miller J. L., South Quincy
Milne & Chalmers, South Quincy
Milne & Hector, South Quincy
Mitchell Polishing Co., South Quincy
Monahan Mc., West Quincy
Mundie Alexander
Nicoll's Granite Works, South Quincy
Norfolk Granite Co.
Prout Bros., South Quincy
Qualey J. R. & Co., South Quincy
Quincy Avenue Granite Co.
Quincy Column Turning Co.
Quincy Quarries Co.
Reed & Vendret, South Quincy
Richards J. R., South Quincy
Shea William & Son, West Quincy
Smalley H. C. Granite Co.
Smith Granite Co.
Souden & Morrison, South Quincy
Spargo William T., South Quincy
Storer & Gelotte Co.
Swingle J. S.
Walker Joseph
White James N. & Sons, West Quincy
Zoia Peter & Co.
ROCKPORT—*Rockport Granite Co.
UXBRIDGE—*Blanchard Bros. Granite Co.
WEST CHELMSFORD—Fletcher H. E. Co. (Grey & White)
WORCESTER—*Troy White Granite Co.; Quarries: Troy, N. H.
Webb Granite & Construction Co. Gray Quarries: Fitzwilliam, Depot, N. H.
*Webb Pink Granite Co., Quarries; Milford, Mass.
*Windsor Green Granite Co., 10 E Worcester

### MINNESOTA.

ROCKVILLE—*Rockville Granite Co.
ST. CLOUD—*Agate Granite Co.
*Benzie & Campbell
East St. Cloud Granite Co.
Erickson August & Co.
*Flaherty C. J. Granite Wks.
*Frick & Borwick Granite Co.
*Granite City Granite Co.
*Holes Bros.
Jones S. A.
Melrose Granite Co.
Northwestern Granite Co.
Pioneer Granite Co.
*St. Cloud Granite Works
Salaski John
*Simmers & Campbell
United Granite Co.
SAUK CENTER—*Sauk Center Granite Co.
SAUK RAPIDS—Sauk Rapids Granite Co.

### MISSOURI.

GRANITEVILLE—Schneiderville Granite Co.
Sheahan A. J. Granite Co.
KANSAS CITY—Rice, Marshall H. Monument Co.
KNOBLICK—*Missouri Granite & Construction Co.
ST. JOSEPH—Abercrombie Stone Co.
Pfeiffer Stone Co.
ST. LOUIS—*Eyermann G. & Bro., 1216 S Grand av
Missouri Granite & Construction Co., 3410 Gratiot
*Schneider Granite Co., 2140 DeKalb
Schneiderville Granite Co.

## NEW HAMPSHIRE.

CONCORD—Clark F. R.
Concord Granite Co.
**Duffy M. J.**
Dunstane T. H.
*Fox Thomas
*Henneberry & Halligan
Langley & Scampini
**Lapierre A. A. & Co.**
Larson & Carlson
*New England Granite Works
New Hampshre Granite Co.
Perry Bros.
***SWENSON JOHN GRANITE CO.** (Quarries)
FITZWILLIAM DEPOT—Thompson, E. M.
LANCASTER—Emerson & Bailey
MARLBORO—*Webb Granite & Construction Co.
MILFORD—Bergami F. Nicholas
Burnett Granite Co.
Caron Bros.
Columbia Granite Co.
Conti Bros.
*Daniels D. L. & Co.
*Kittredge Quarries
Lovejoy Granite Co.
*New Westerly Granite Co.
*Pease Co.
Rossi Bros. Co.
Tonella & Sons
Wark Jas.
Young's Sons & Co.
NASHUA—*Nashua Granite Co.
NORTH HAVERHILL — *Jesseman Granite Co.
REDSTONE—*Maine & N. H. Granite Corp.
ROCHESTER—*Hawkes E. M.
Smalley, Hobbs & Hunter
SUNCOOK—*Bailey Charles A.

## NEW JERSEY.

EDGEWATER—Batterson & Eisele
NEWARK—Wyllie-Saylor Granite Co., 627 Central av

## NEW YORK.

BUFFALO—*McDonnell & Sons, 858 Main
Maltby Geo. W. & Sons Co., 21 Maryland

## NEW YORK CITY.

### Borough of Brooklyn

BROOKLYN—Hynes John, Bond & Union
Peirce J. Co., Greenp't av & Newt'n creek

### Boroughs of Manhattan and Bronx.

NEW YORK—Annett & Bros., 12 W 141st
*Batterson J. G., 489 5th av.
Batterson & Eisele, 101 Park av
*Booth Bros. & Hurricane Isle Granite Co. (Red, Grey & White), 208 B'way
**Brown John & Sons, Rider av & 141st**
Cardo Bros. & Co., 3167 E Tremont av
Crotch Island Granite Co. (Quarries at Stonington, Me.), 26 Cortland, New York
*Dutton James E., 42 E 23d
French H. Q & Son, 15 E 40th
Harrison Granite Co., 200 5th av
Herow Granite Co., Willow av & 133d
La Spina Peter Co., 2 Canal pl
Lenahan J. B. J., 140th & Rider av
Leopold J & Co. (Granite Contractors), 233 Broadway
Le Poidevin A. & Co., 286 5th av
Milford Ping-Victoria White Granite Co., 405 Lexington av, New York
*Mohegan Granite Co., 101 Park av
*New England Granite Wks., 480 5th av
*Norcross Bros. Co. (Grey, Red & Green), 103 Park av
Penney & Bunt, Willow av & 132d
***ROCKPORT GRANITE CO.**, 21 Park row.
Seagrist F. W. Jr. Co., 533 E 18th
***SWENSON JOHN GRANITE CO.** 101 Park av
*Tayntor C. E. Granite Co., 29 W 34th
Wegenaar John L. Co., 299 B'way
Williams B. A. & G. N. (Inc.), Walnut & 133d
Woodbury Granite Co., 101 Park av
Young Jas. H. Stone Co., Walnut av & 135th

### Borough of Queens.

LONG ISLAND CITY—Dyer John N. & Son
McGrath Michael & Co., B'way
McGratty & Sons Marble Works, 313 Butler
**Neary Peter & Son Co., Blisville**
Tedeschi & Tedeschi, 632 Boulevard, Astoria

**(End of New York City)**

PORT JERVIS—Nearpass E. E.

## NORTH CAROLINA.

CHARLOTTE—Mecklenburg Marble & Granite Co. (Cut Contractors)
MOUNT AIRY—Lemmerman & Hoffman Granite Co.
Mount Airy Granite Cutting Co.
*North Carolina Granite Corp.
SALISBURY—*Harris C. J. Granite Quarrie Co.

## OHIO.

ADA—Ada Granite Co.
CINCINNATI—Cincinnati Granite Works, 4043 Spring Grove av
Sarvis W. H., 941 W 5th
CLYDE—Hughes Granite Co.
MANSFIELD—Preston, Burton & Co. (Wholesale Granite Monuments)
Wolff E. M. & Co. (Dealers)
XENIA—Dodds Geo. & Sons Granite Co. (Monuments)
ZANESVILLE—Cary F. S. & Co.
Townsend W. C. & Co.

## PENNSYLVANIA.

ALLENTOWN—Wenz Company
CORRY—Starr Granite & Marble Wks.
GETTYSBURG—*Lightner Nathaniel
PHILADELPHIA—*Birdsboro Stone Co., Land Title bldg
Dunn Wm. J. & Son, 331 S 23d
Gray Wm. & Sons Co., 30th, bel Walnut
Hagan John & Co., Comly ab, Del.
Hastings & Morrison, 1510 Wash'n av
**Holmesburg Granite Co., Commercial Trust bldg**
**Law & Burwell, Union & Ogden**
**Richardson & Ross Quarry Co., Penna bldg**
**PITTSBURGH—Booth & Flinn (Ltd.) (Ligonier), 1942 Forbes**
Colwell Granite Co., Farmers' Bank bldg
Lauffer W. A. & Co., 2319 Liberty av
ROSLYN—*Hillside Granite Co.
ST. PETERS—*French Creek Granite Co.
WEST GROVE—*Pennsylvania Marble & Granite Co.

## RHODE ISLAND.

EAST PROVIDENCE—Chace Andrew R.
*McCormick Jos.
NEWPORT—Sweet E. F.
**PAWTUCKET—O'Connor Maurice M. & Son**
PROVIDENCE—Barden Peter, 326 Cranston
Bishop J. W. Co.
Burns John Granite Co., 840 N Main
Del Giudice A. & Son, 703 Atwells av
Farnum & Co., 1088 Westminster
Kimball & Combe Co., 96 Westminster
Norcross Bros Co. (Grey, Red & Green), 49 Westminster
Providence Granite Co., 125 Harris av
**Richards John R., 977 N Main**
Tingley & Co. (Polisher), 215 W Exch.
WESTERLY—Coduri Joseph Granite Co.
Columbia Granite Co.
*Crumb Quarry Co.
*Farrell Andrews & Sons
Flynn M. W.
*Gourlay Granite Works
*Murray Alex. & Co.
*New England Granite Works
*Smith Granite Co.

## SOUTH CAROLINA.

GREENVILLE—Butler Marble & Granite Works
SPARTANBURG—*Southern Marble & Granite Co.
Winnsboro Granite Corp.

## VERMONT.

BARRE—Anderson Freberg Co.
*Barclay Bros.
Barre Granite & Quarry Co.
Barre Medium Granite Co.
Batcheller E. J. Co., Inc.
Beck & Beck (Polishing)
Bianchi Chas. & Sons
Bond Geo. E. & Co.
Brown, Carroll & Co.
*Brusa Bros.
Bugbee E. A. Co.
Burke Bros.
Canton Bros.
Carswell, Wetmore & Co.
Central Granite Co.
*Chioldi Bros.
**Cole Wm. & Son**
Comolli & Co.
Corskie J. P. & Son
*Dessureau & Co.
Dewey Column & Monumental Works
Freeman & Wasgatt
Gasparello Bros.
Gerrard Barclay Granite Co.
Giudici Bros. & Co.
Glysson Eugene C.
**Hoyt & Milne, Inc.**
Grearson & Lane Co.
Harrison Granite Co. (Monumental & Mausoleum). (See New York)
Johnson & Gustafson
*Jones Bros. Co.
La Clair & McNulty
Lillie Granite Co.
Littlejohn, Odgers & Milne
McColl & Abare
*McDonnell & Sons
McMillan C. W. & Son
*Marr & Gordon
Marrion & O'Leary
Martinson Estate Co.
Milne Alex. Granite Co.
Milne Wm. Granite Co.
Mutch & Loranger Granite Co.
Newcombe T. J.
North Barre Granite Co.
Oliver & Co.
Parnigoni Bros.
Parry & Jones Co.
Peerless Granite Co.
*Presbrey-Coykendall Co.
Ream-McBee Co.
Rizzi Bros.
Rizzi L. G.
Robertson James C.
Robins Bros.
Ross & Ralph
Rossi & Casellini
Roux Granite Co.
**Sanguinetti Augusto**
Saporiti J. P. & Co.
Sector James & Co.
**Shield Waldron & Co**
*Smith E. L. & Co.
South Barre Granite Co., Inc.
Star Granite Co.
Straiton George
Sullivan Eugene & Son
Townsend W. C. & Co.
Valz Granite Co.
*Wells-Lamson Quarry Co.
Woodcock Bros.
Young Bros. Co.
BRATTLEBORO—*Grant Granite Co.
BURLINGTON—Burlington Granite Co.
Goodell Granite & Marble Co.
Johnson John W.
EAST BARRE—World Granite Co.
GRANITEVILLE—*Pirie James K.
HARDWICK—American Granite Co.
Crystal Brook Granite Co.
Eureka Granite Co.
*Fletcher E. R.
Hay John
Murch E. R.
*Woodbury Granite Co. ("Woodbury Gray," "Imperial Blue," "Vermont White," "Peerless White" & "Bethel White")
MONTPELIER—Arioli G. & Co.
Bianchi G. R. Granite Co.
Bonazzi & Bonazzi
Bowers R. C. Granite Co.
Callahan Timothy E.
Columbian Granite Co.
Doucette Bros.
Excelsior Granite Co.
Fraser Robert M.
Gill C. P. & Co.
Johnson Granite Co.
**Jurras Granite Co.**
Lillie Granite Co.
Mills & Co.
National Granite Co.

GRANITE PRODUCERS, WORKERS & DEALERS—continued

VERMONT—Montpelier—continued
Poulin J. Granite Co.
*Wetmore & Morse Granite Co.
MORRISVILLE—Mould F. W.
Union Granite Co.
NORTHFIELD—*Cross Bros. Co.
Pelaggi N. & Co.
Phillips & Slack
RUTLAND—Everson & Co.
Temple Bros. (Wholesale)
ST. JOHNSBURY—Walker J. E.
SOUTH RYEGATE—Anderson A.
Farquharson Robert
MacDonald Murdo F.
SWANTON—Judd Walter S.
WATERBURY—Drew-Daniels Granite Co.
O'Clair C. L.
Perry Granite Co.
Union Granite Co.
WEBSTERVILLE—*Wetmore & Morse Granite Co.
WEST BERLIN—Davis Bros.
Provost & Son
WEST DUMMERSTON—*Lyons G. E. Granite Co.
WOODBURY—Woodbury Granite Co.

VIRGINIA.

PETERSBURG—Burns & Campbell
RICHMOND—Sunny Side Granite Co.
Wise Granite & Construction Co. (Pink & White)
*Wray Andrew J., 328 S Cherry

WASHINGTON.

SEATTLE—*Soderberg J. A.

WISCONSIN.

ABLEMAN—*Wisconsin Granite Co.
BERLIN—*Wisconsin Granite Co. (See Chicago, Ill.)
GRANITE HEIGHTS—Anderson Bros. & Johnson Co. (Wausau Red)
*American Granite Co. (See Milwaukee)
LA CROSSE—La Crosse Monument Co.
LOHRVILLE — *American Granite Co. (see Milwaukee)
MARINETTE—*Pike River Granite Co.
MILWAUKEE—American Granite Co. (Wisconsin Mahogany), 15th & Cleveland av
Sutter H. Granite & Marble Co., 562 Muskego av
PLYMOUTH—Kegler G. F.
RACINE—*Portland Granite Co.
WATERLOO—*Portland Granite Co.
WAUSAU—*Marathon Granite Co.

## 5565— Granite (Seam Face)

Holmesburg Granite Co., Commercial Trust bldg, Phila., Pa.
Matthews Construction Co., Princeton, N. J.
Middleburg Stone Co., Elyria, O.
Northern Coast Timber Co. (Red Cedar Posts), Tacoma, Wash.
Plymouth Seam Face Granite Co., 6 Beacon, Boston, Mass.
Riordan G. C. & Co., 313 Walnut

## 5565a— *Granulators

Abbe Engineering Co. (Sugar), 216-224 B'way, New York
*See adv index at end of book*
Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*

## Graphaphone Mfrs.

See Talking Machines

## 5566— Graphite

Baker H. J. & Bro. (Imp.), 81 Fulton, New York
Hershaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hill-Brunner Foundry Supply Co., 637 Evans, Cincinnati, Ohio

## 5567-71—Graphite (Miners' & Refiners')

American Graphite Co., 38 S Dearborn, Chicago, Ill.
Asbury Graphite Mills, Asbury, N. J.
Ashland Graphite Co., Ashland, Ala.
Ayers, Bridges & Co. (Imp.), 200 Summer, Boston, Mass.
Bloomsbury Graphite Co., Bloomsbury, N. J.
Carbic Mfg. Co. (For Use in Welding), Duluth, Minn.
Chester Graphite Co., Chester Springs, Pa.
Chrystal Chas. B. (Jobbers), 13 Cliff, New York *See adv index at end of book*
Cummings-Moore Graphite Co., 670 Greene, Detroit, Mich.
Dixon Joseph Crucible Co., Jersey City, N. J.
Elk Graphite Milling Co. (Importers & Refiners), St. Marys, Pa.
Federal Graphite Mills, 2639 E 79th, Cleveland, O.
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Griesmer Graphite Co., Anniston, Ala.
Hill & Griffith Co. (Refiners for all Purposes), 1248 State av, Cincinnati, O.; Chicago, Ill.; Birmingham, Ala.; Pittsburgh, Pa.
*See adv index at end of book*
International Carbon Products Co., 230 W 13th, New York
Jennings Graphite Co., Lineville, Ala.
Kelly Graphite Mills ("Kelco" Boiler & Foundry Graphite), 355 W 26th, New York
Lineville Graphite Co., Lineville, Ala.
Norway Graphite Milling Co. (Refiners), Birmingham, Ala.
Pettinos Chas. E., 25 Church, New York
Quenelda Graphite Co., Quenelda, Ala.
Rock Graphite Mining & Mfg. Co., 423 Walnut, Phila., Pa.
Smith Facing & Supply Co. (Refiners), 1857 Carter rd, Cleveland, O.
Southern Graphite Co., Ashland, Ala.
United States Graphite Co., Saginaw, Mich.
Wisconsin Graphite Co., Stevens Point, Wis.

## 5572-3— Graphite Products

Allen Crucible Co., Oakland, Cal.
American Graphite Co., 38 So Dearborn, Chicago, Ill.
Bartley Graphite Products Co., 50 Church, New York
U. S. Graphite Co., Saginaw, Mich.

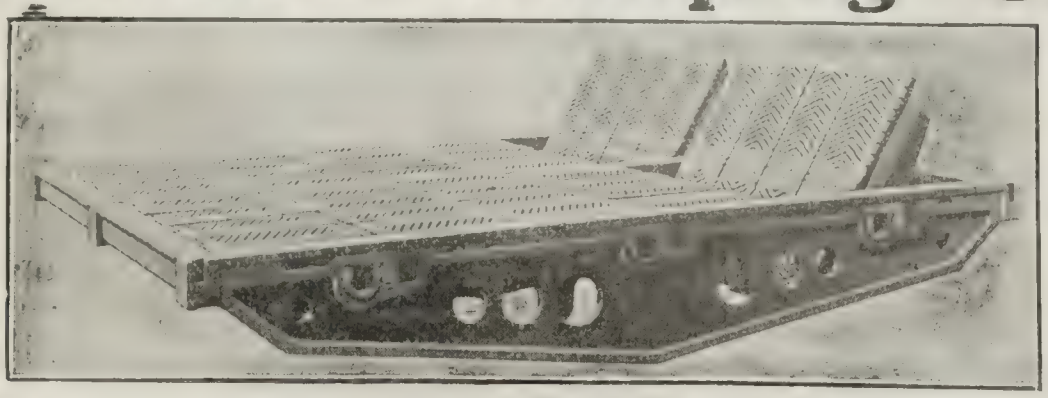
## 5574— Graphometers

Chicago Electric Meter Co., 1045 W Washington, Chicago, Ill.

## 5575— Grate Bar Mfrs.

Acme Furnace Equipment Co. ("Acme"), 39 Cortlandt, New York
Alloy Steel Forging Co., Carnegie, Pa.
American Manganese Steel Co., 332 Michigan av, Chicago, Ill.
Armstrong Mfg. Co., Springfield, O.
Arnold-Creager Co., New London, O.
Baker Wm. H. ("National" Shaking), Trenton, N. J.
Banner Iron Works, Shaw av & Oak Hill Ry, St. Louis, Mo.
Barker Jas. ("Barker"), 6th & Cayuga, Phila., Pa.
BEGGS JAMES & CO. (Rocking & Dumping), 30 Warren, New York
*See adv index at end of book*
Borger Bros. Co., 257 W Spring, Columbus, O.
BOSWORTH-ARD MACHINE & FOUNDRY CO., Anniston, Ala.
Bowler Foundry Co. ("Kerstine"), 1688 Columbus, Cleveland, O.
Bruce-Macbeth Engine Co. ("Aetna"), Cleveland, O.
Budd Grate Co. (Stationary), 2013 Letterly, Phila., Pa.
Burr Co., Champaign, Ill.
Casey-Hedges Co. (Hollow Blast Shaking, etc), Chattanooga, Tenn.
Cherry Tree Machine Co., Cherry Tree, Pa.
Chickasaw Machine & Fdry. Co. ("Chickasaw" Hollow Blast), Memphis, Tenn.
Columbus Iron Works, Columbus, Ga.
Combustion Engineering Corp. ("Grieve," Dumping & Stationary), 11 B'way, New York
Continental Grate Co. (Shaking), Exchange bldg, Boston, Mass.
Cumberland Foundry & Mfg. Co. (Herringbone Circular, Two Finger), Nashville, Tenn.
Cyclone Grate Bar Co. ("Cyclone"), 9 Grimes, Buffalo, N. Y.
Daugherty Foundry Co. ("Tupper," "Adams" & Circle Grate for Vertical Boilers), Allentown, Pa.
Decatur Cornice & Rfg. Co., New Decatur, Ala.
DeVed & Sons Sash Weight Co., 807 S Howard, Baltimore, Md.
Dobbie Foundry & Machine Co. ("Niagara" Shaking), Niagara Falls, N. Y.
*See adv index at end of book*
Donegan & Swift ("Swift's Economy"), 6 Murray, New York
Dorrance Chas. J. ("Dorrance" Rocking), 5247 Ravenswood av, Chicago, Ill.
Downey T. F. Boiler Works, 323 W Austin av, Chicago, Ill.
Elkhart Iron Works ("Elkhart"), Elkhart, Ind.
Empire Grate Co., Chester, Pa.
Erie City Iron Works, Erie, Pa.
Erie Engine Works (Shaking, Dumping & Stationary), Erie, Pa.
Farris Jos., Springfield, Ill.
Finch Mfg Co. (Pin Hole), Scranton, Pa.
Ferguson F. & Son, Hoboken, N. J.
Fox Benj. Sons, 513 W 34th, New York
Frost Mfg. Co. (Rocking, etc), Galesburg, Ill.
Gehl Bros. Mfg. Co., West Bend, Wis.
Gibson Iron Works Co. (Common Sense, Dumping, etc), 168 1st, Jersey City, N. J.


# BEGGS Dumping Grate Bars



Built to Fit

Any Size Square Cornered Furnace. Cradle Construction. Forward Dump.

**James Beggs & Co.**

*Manufacturers*

Office: 30 Warren St., New York

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Established 1845

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Grate Bars, Boiler Fronts, Structural Iron Work, Sash Weights
No-Fall-Out Ash Pit Dumps and Doors
Iron & Brass Castings and Machinery Repairs


Glascock Stove & Mfg. Co., Greensboro, N. C.
**GODFREY-KEELER CO.** ("Mahony," All Kinds), 70 Warren, New York
*See adv index at end of book*


# GRATE BARS

Rocking and Dumping and Stationary Grates of All Kinds for Any Type Boiler. Shaking Grates for Vertical Boilers.

GODFREY-KEELER CO.
70 Warren Street
NEW YORK


Golden's Foundry & Machine Co., Columbus, Ga.
Gordon Hollow Blast Grate Co. ("Tuyere," Hollow Blast), Greenville, Mich.
Grace C. M. & Co., Huntsville, Ala.
Grainger & Co., Louisville, Ky.
Green Engineering Co. ("Green" Chain Grate Stokers), East Chicago, Ind.
Hartley Boiler Works, Montgomery, Ala.
Heath Grate Bar Co., 12 Pearl, Boston, Mass.
Heatherington & Berner, Indianapolis, Ind.
Helmick Foundry & Machine Co. (Furnace), Fairmont, W. Va.
Herrick Geo. S. ("Herrick"), Syracuse, N. Y.
Hill Clutch Co., W 65th, Cleveland, O.
Hulson Grate Co., Keokuk, Ia.
International Engineering Works ("MacDonald" Shaking), Framingham, Mass.
Iron City Grate Bar Co., Warren, O.
**JANNEY & CO.**, Montgomery, Ala.
*See adv index at end of book*
Jarvis Engng. Co. (Sheffield), 261 Franklin, Boston, Mass.
Kahl Iron Foundry, 537 Atwater, Detroit, Mich.
Keeler E. Co., Williamsport, Pa.
Kelly Foundry & Machine Co. ("Kelly"), Goshen, Ind.
Kewanee Boiler Co. ("Aetna"), Kewanee, Ill.
Kramer Bros. Foundry Co. ("Lo-Co"), Dayton, O.
**KUTZTOWN FOUNDRY & MACHINE CO.**, 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
Litchfield Foundry & Machine Co., Litchfield, Ill.
Long Grate Bar Co., Buffalo, N. Y.
Los Angeles Fdry. Co., Los Angeles, Cal.
Love Bros., Aurora, Ill.
Love Mfg. Co., Corry, Pa.
McClave-Brooks Co. ("McClave" Shaking), Poplar st, Scranton, Pa.
**McCLAVE GRATE BAR CO.** ("Ellis" Improved Cut Off), 30 Warren, New York
McGee Jos. Iron & Brass Foundry Co., 51 6th, Long Island City, N. Y.
McNaughton Mfg. Co. (Sectional), Maryville, Tenn.
Macknet Grate Bar Co., 32 Nassau, New York
Madison Foundry Co., Cleveland, O.
**MARION MACHINE, FOUNDRY & SUPPLY CO.** ("Shear-Klean," "Marion" Interlocking & Rocker), Marion, Ind.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Martin Grate Co. ("Martin," Anti-Friction Rocking), Fisher bldg, Chicago, Ill.
Mechanics' Iron Foundry Co. ("Bannister"), 38 Kemble, Rox, Boston, Mass.
Mershon Patent Shaking Grate Works, 147 N 3d, Phila, Pa.
Meyer Otto C. & Co., 30 Franklin, Brooklyn, N. Y.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Morse R. F. Co. (Shaking & Dumping Grates), 86 Weybosset, Providence, R. I.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
Murray Iron Works Co. (Plain & Rocking), Central av & Washington, Burlington, Ia.
National Foundry Mfg. & Supply Co. ("National"), Williamsport, Pa.
Neemes Bros. (Self Cleaning), Troy, N. Y.
New England Roller Grate Co. (All Types), Springfield, Mass.
Niver Iron Works Co., Muscatine, Ia.
Nordeen Foundry Co. (Hot Blast), Everett, Wash.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Old Dominion Marine Ry. Corp., Berkley, Va.
Parson Mfg. Co., 35 Nassau, New York
Patch S. B. & Sons Co. ("Patch" Rocking), Streator, Ill.
Perfection Grate & Supply Co., Springfield, Mass.
Portland Co., Portland, Me.
Price-Evans Foundry Co., Chattanooga, Tenn.
Pyramid Grate Bar Co., Machinists & Fdrs., 30 E 42d, New York
Quinn & Co., 222 E 9th, Cincinnati, O.
Rider Wm. E. & Co. ("Mansfield"), Mansfield, Mass.
Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.
Robson Chas. & Co. ("Tupper-Herringbone," "Ajax," Rocking), 8th & Washington av, Phila., Pa.
Rose Patent Grate Co., Council Bluffs, Ia.
Rosedale Foundry & Machine Co. ("Playford," "Pittsburgh"), Columbus & Preble, Pittsburgh, Pa.
Rothe Jos. F. Foundry Co. (Shaking), Green Bay, Wis.
Russell Fdry & Mach. Works, 51 6th, Long Island City, N. Y.
Rutzler Enoch Co., 404 E 49th, New York
Salamander Grate Bar Co. ("Salamander," "Aetna," "Steele," "Ryder" & "Rogers"), 126 Liberty, New York
Shear-Klean Grate Co., Monadnock bldg, Chicago, Ill.
Smith Iron Foundry, Inc., Lynn, Mass.
Southern Boiler & Tank Works, Memphis, Tenn.
Sprague Foundry & Mfg. Co. ("Rose Patent"), Council Bluffs, Ia.
Springfield Boiler Co., Springfield, Ill.
Stowell The ("Hall's" Patent), S Milwaukee, Wis.
Stuart Foundry Co., 207 Junction, Detroit, Mich.
Superior Iron Works Co., Superior, Wis.
Thacher Propeller & Foundry Corp. ("Albany" Sectional Dumping; also Stationary), Albany, N. Y.
Thomas Grate Bar Co. ("Thomas," "Elliptic," "W. S. D." & Impervious), Birmingham, Ala.
Thompson Richard & Co. Anti-Clinker Rocking, "Aetna" Shaking "Thompson's" Dumping, "Thompson's" Sectional & "Steel's" Revolving, Shaking & Dumping Grates), 126 Liberty, New York
**THROPP'S JOHN E. SONS CO.**, ft. of Lewis, Trenton, N. J.
*See adv index at end of book*
Toledo Foundry & Machine Co., Toledo, O.
**TOWNSEND FOUNDRY & MACHINE SHOP CO.**, B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*
Treadwell M. H. Co. ("Treadwell" Shaking, etc.), 140 Cedar, New York
Treadwell M. H. Co. of Ill. ("Treadwell"), 208 S LaSalle, Chicago, Ill.
Tuscaloosa Iron Works, Tuscaloosa, Ala.
United Iron Works Co., Inc. (Plain, Hollow, Blast & Rocking), Kansas City, Mo.
U. S. Rocking Grate Bar Co., 2825 W. Harrison blvd, Chicago, Ill.
Valley Iron Works ("Ajax Rocking," "Tupper," Circular), Williamsport, Pa.
Variety Iron & Steel Works Co., Cleveland, O.
Vogt Bros. Mfg. Co., Louisville, Ky.
Vogt Henry Machine Co., Inc. ("Vogt" Rocking & Dumping), Louisville, Ky.
Wallwork H. Foundry Co., Birmingham, Ala.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walton C. J. & Son, Louisville, Ky.
Washburn & Granger ("Dean"), 50 Church, New York
Water Arch Furnace Co., 38 S Dearborn, Chicago, Ill.
Watts Regulator Co. ("Watts" Shaking Stationary & Reciprocating), Lawrence, Mass.
Western Iron & Foundry Co., Wichita, Kans.
Wetherill Robt. & Co., Chester, Pa.
Woburn Iron Foundry, Inc. ("Foster" Shaking & Rocking), Woburn, Mass.

### 5576— Grate Settings

Maurer Henry & Son ("Liverpool"), 420 E 23d, New York

### Graters (Apple)

See Apple Grating Machines

### 5577—Graters (Horse Radish)

Ames Plow Co., Quincy Hall, Boston, Mass.
Central Stamping Co. ("Puritan" Hand), 172 Fulton, New York
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Hamilton Metal Products Co., Hamilton, Ohio

GRATERS (HORSE RADISH)—continued

Houchin Thos. W. Co., 36 E 12th, New York
Kelso & Co., 557 W Quincy, Chicago, Ill.
National Enameling & Stamping Co. (Hand), 411 5th av, New York
Schroeter's Bros. Hardware Co. ("Schroeter's Power), 810 Wash av, St. Louis, Mo.
Smith's Jno. E. Sons Co., Buffalo, N. Y.

## 5578— Graters (Nutmeg)

Caldwell Mfg. Co. ("Gem"), Rochester, N. Y.
Edgar Mfg. Co., Reading, Mass.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Hamblin & Russell Mfg. Co. ("Unique," "Yankee," "New Rapid"), Worcester, Mass.
Hamilton Metal Products Co., Hamilton, Ohio.
Handy Things Mfg. Co., Ludington, Mich.

## 5579— Grates (Cellar)

Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati, Ohio.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Glascock Stove & Mfg. Co. (Cast Iron), Greensboro, N. C.
Mack Iron & Wire Wks, Sandusky, O.
Majestic Co., Huntington, Ind.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.
Stevens Iron Works & Fireproofing Co., Cleveland, O.

## Grates (Dumping)

See Grate Bar Mfrs.

## 5580—*Grates, Fenders & Mantels

See Also Andirons, Fenders & Grates
See also Fireplace Furnishings

Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
**JACKSON EDWIN A. & BRO., Inc.,** 50 Beekman, New York.
*See adv index at end of book*

## 5581— Grates (Gas, Parlor)

American Stove Co. ("Reliable," "New Process," "Quick Comfort"), 827 Chouteau av, St. Louis Mo.
Dawson Bros., 523 N Halsted, Chicago, Ill.
**JACKSON EDWIN A. & BRO., Inc.,** 50 Beekman, New York.
*See adv index at end of book*
Penna Furnace & Stove Co., Warren, Pa.
Van Zandt Gas Appliance Co., 4050 St. Louis, Mo.

## Grates (Hollow Blast)

See Grate Bar Manufacturers

## 5582— Grates (Portable)

See Fire Place Furnishings Mfrs.

Richmond Stove Co., 2506 E. Main, Richmond, Va.

## Grates (Rocking)

See Grate Bar Manufacturers with word "Rocking" following names

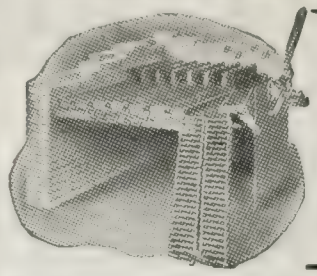
## 5583—Grates (Shaking & Dumping)

See also Grate Bar Manufacturers

**BEGGS JAMES & CO.,** 30 Warren, New York *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*

**When writing to firms listed in this book please, mention HENDRICKS' COMMERCIAL REGISTER**

Downey T. F. Boiler Works, 323 W. Austin av, Chicago, Ill.
*See adv index at end of book*



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Mnfrs. of Downey's Dumping Grates in 2 or more sections made of best gray iron, any size or weight. Front or Back of each section can be dumped separately.
321-323 W. Austin Ave.
Phone Franklin 1949

**GODFREY-KEELER CO.** ("Mahony"), 70 Warren, New York
*See adv index at end of book*
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Power Efficiency Corp., White bldg, Buffalo, N. Y.
Shevlin Engng Co., Inc., 108 W 34th, New York
Travis G. E., Henry, Ill.

## 5584—Grates (Traveling Link)

**BABCOCK & WILCOX CO.,** 85 Liberty, New York
Coxe Traveling Grate Co., 11 B'way, New York
Green Engineering Co., East Chicago, Ind.
Illinois Stoker Co., Alton, Ill.
Weir & Craig Mfg. Co. ("Chicago"), 6316 Wentworth av, Chicago, Ill.

## 5584a—*Grates, Ventilating (Exterior Wall)

Donley Bros. Co. ("DB"), 3625 E 74th, Cleveland, O.
*See adv index at end of book*

## 5585—*Grates (Ventilating, Fireplace)

**JACKSON EDWIN A. & BRO., INC.,** 50 Beekman, New York
*See adv index at end of book*

## 5586—Grates & Rests (Farmers', Etc.)

Sperry D. R. & Co., Batavia, Ill.

## 5586a—Gratings (Iron & Steel)

**IRVING IRON WORKS CO.** ("Subway") 3d & Creek, Long Island City, N. Y.
**MITCHELL-TAPPEN CO.** ("Interlocked"), 15 John, New York
Roanoke Iron & Bridge Wks., Inc., Roanoke, Va.
Smith A. L. Iron Works, Inc. ("A. L. S. I. W. O."), Chelsea, Mass.
Vilsack, Martin Co. (Iron), 3222 Penn av, Pittsburgh, Pa.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## 5587— Gravel (Bird)

Horton F. T., Hoboken, N. J.

## 5588—Gravel Washing & Screening Plants

Buckbee J. C. Co., 38 S Dearborn, Chicago, Ill.
Dull Raymond W. Co. ("Dull"), 111 W Wash., Chicago, Ill.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R Ry., Phila., Pa. *See adv index at end of book*
**MEESE & GOTTFRIED CO.,** 660 Mission, San Francisco, Cal.
Smith Engng Works, 3191 Locust, Milwaukee, Wis.
Stocker Material Washer Co., Highland, Ill.
Stephens-Adamson Mfg. Co. (Complete Washing Plants) Aurora, Ill.
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*

## 5589— *Grease (Airoilene)

**CHICAGO PNEUMATIC TOOL CO.,** 6 E. 44th, New York
*See adv index at end of book*

Waverly Oil Works Co., 54th & A. V. R. R. Pittsburgh, Pa.
*See adv index at end of book*

## 5590—Grease (Cable & Elevator Shaft)

Climax Refining Co. ("Cable Compound"), Williamson bldg, Cleveland, O.
**COOK & SWAN CO., INC.,** 148 Front, New York *See adv index at end of book*
Dixon Joseph Crucible Co., Jersey City, N. J.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
National Refining Co., Rose bldg, Cleveland O.
**ROEBLING'S JOHN A. SONS CO.** (Cable & Rope), Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Star Lubricating Oil Co. ("Starco"), 8714 Broadway S. E, Cleveland, O.
**TEXAS COMPANY** ("Crater" shaft), 17 Battery pl, New York
*See adv index at end of book*
United States Graphite Co., Saginaw, Mich.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## Grease Cups

See Lubricators, Oil & Grease Cup
Also Lubricators, Automobile
Also Lubricators, Gas Engine, etc

## 5591-2— Grease (Gear)

Climax Refining Co., Williamson Bldg., Cleveland, O.
**COOK & SWAN CO., INC.,** 148 Front, New York *See adv index at end of book*
Dixon Joseph Crucible Co., Jersey City, N. J.
Marshall Oil Co. of Iowa ("Rix" Cork Graphite), Marshalltown, Ia.
Swan & Finch Co. ("Victor," "Monarch," "Seba"), 165 Broadway, New York
**TEXAS COMPANY** ("Crater" Thuban), 17 Battery pl, New York
*See adv index at end of book*
United States Graphite Co., Saginaw, Mich.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## Grease Guns

See Oil & Grease Guns & Syringes

## 5593— Grease (Rolling Mill)

**COOK & SWAN CO., INC.,** 148 Front, New York *See adv index at end of book*
**TEXAS COMPANY,** 17 Battery pl, New York *See adv index at end of book*
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## 5594— Grease (Tanners')

**COOK & SWAN CO., INC.,** 148 Front, New York *See adv index at end of book*
Marden, Orth & Hastings Co., 136 Liberty, New York
Martin-Dennis Co., 859 Summer av, Newark, N. J.
National Oil Products Co., Harrison, N. J.
Reisig Chas. H. (Imported), 269 Water, New York
Swan Alden S. & Co., 135 Front, New York

## 5595—Grease (Wire Drawing)

Climax Refining Co., Williamson Bldg., Cleveland, O.
**COOK & SWAN CO., INC.,** 148 Front, New York *See adv index at end of book*
Houghton E. F. & Co., 240 W Somerset, Phila., Pa.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
**TEXAS COMPANY,** 17 Battery pl, New York *See adv index at end of book*
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## Grease (Wool)

See Degras

## 5595a—*Greases (Lubricating & Special)

See also Lubricating Oils & Greases

**COOK & SWAN CO., INC.,** 148 Front, New York *See adv index at end of book*
**WAVERLY OIL WORKS CO.,** 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## 5596—Greases & Oils (Axle)

American Oil Corp. ("Advance"), Jackson, Mich.
Aspinwall Geo. H., Inc., Corneilson av, Jersey City, N. J.
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Baum's Castorine Co. ("Castorine" Axle Oil), Rome, N. Y.
Brooks Oil Co., C & P & Erie R R, Cleveland, O.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
**COOK & SWAN CO., INC.,** 148 Front, New York *See adv index at end of book*
Cortland Specialty Co. ("Houts"), 174 Railroad, Cortland, N. Y.
Dixon Joseph Crucible Co. ("Dixon's" Graphite), Jersey City, N. J.
**Downing Grease Co., Boston, Mass.**
Fiske Bros. Refining Co., 24 State, New York
**Frazer Lubricator Co., 3921 Normal av, Chicago, Ill.**
Freedom Oil Works Co., Freedom, Pa.
Great Western Oil Co. ("Great Western"), 2846 E 37th, Cleveland, O.
Harbaugh A. G. Co. ("Grapho"), Hipp. Annex bldg, Cleveland, O.
**Harris A. W. Oil Co., 326 S Water, Providence, R. I.**
Heule S. Inc., 23 Beaver, New York
Herrmann Jos. F & Co., Fisher bldg, Chicago, Ill.
**Houghton E. F. & Co., 240 W Somerset, Phila., Pa**
**Ilsley, Doubleday & Co., 229 Front, New York**
Indian Refining Co. ("Blue Grass," Dark or Light), 244 Madison av, New York
Marshall Oil Co. of Iowa ("Rex" Graphite), Marshalltown, Ia.
Monitor Oil Co., Cleveland, O.
Moore Oil Co. (For Jobbing Trade Only), York & McLean av, Cincinnati, O.
National Refining Co., Rose bldg., Cleveland, O.
Nye Wm. F. (Oils), New Bedford, Mass.
Paragon Refining Co., Toledo, O.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Richardson Lubricating Co., Quincy, Ill.
Shining Light Mfg. Co., Buffalo, N. Y.
Sinclair Refining Co. ("Four Bros." "U-Au-To"), Albany, N. Y.
Smith & Nichols, 121 Maiden la, New York
Snow Flake Axle Grease Co., Fitchburg, Mass.
Sonneborn's L. Sons ("Amalie"), 262 Pearl, New York
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of New York ("Mica"), 555 W 25th, New York
**Sun Co., Finance bldg., Phila., Pa.**
Swan & Finch Co., 165 Broadway, New York
**TEXAS COMPANY** ("Texaco," "Vega"), 17 Battery pl, New York
*See adv index at end of book*
United States Graphite Co., Saginaw, Mich.
Vacuum Oil Co. ("Gargoyle," "Mobiloils," "Mobilubricant"), Rochester, N. Y.
**Waverly Oil Works Co., Pittsburgh, Pa.**
*See adv index at end of book*
Winn Wm. R. (Jobbers), New York
**World Refining Co.** ("Phillips' World," "Black Diamond"), Easton, Pa.
**Zurn O. F. Co.** ("Zurn's"), Broad & Lehigh, Phila., Pa

## 5597— Green House Builders

**Bickelhaupt Geo. Skylight Works, 722 11th av, New York**
**Foley Greenhouse Mfg. Co., 3260 W. 31st, Chicago, Ill.**
Hitchings & Co., 1170 B'way, New York
Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
King Construction Co., N Tonawanda, N Y.
King Contracting Co., 131 State, Boston, Mass.
Lord & Burnham Co., 30 E 42d, New York
Lutton William H. Co., Jersey City, N. J.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Pierson U Bar Co., 1 Madison av, New York
Reich V. E., 1429 Metropolitan av, Brooklyn, N. Y.
Scollay John A. (Est. of), 74 Myrtle av, Brooklyn, N. Y.

## 5598—Green House Materials

See also Sash, Greenhouse & Hot Bed

American Blower Co. (Traps), 1400 Russell, Detroit, Mich.
Hitchings & Co., 1170 B'way, New York
Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
King Construction Co., N Tonowanda, N. Y.
Lord & Burnham Co., 30 E 42d, New York
Lutton William H. Co., Jersey City, N. J.
Metropolitan Material Co., 1335 Flushing av, Brooklyn, N. Y.
Pierson U Bar Co., 1 Madison av, New York
Reich V. E., 1429 Metropolitan av, Brooklyn, N. Y.
Seiden Cypress Door Co., Palatka, Fla.
**STEARNS A. T. LUMBER CO.,** 100 Taylor Neponset, Boston, Mass.
*See adv index at end of book*
Struck Alfred Co., Louisville, Ky.

## 5599— Grenades (Hand)

See also Extinguishers, Fire

Hayward S. F. & Co., 250 W 54th, New York
Stahl Geo. H., Quincy, Ill.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.

## 5600—Griddles (Cast Iron, Stamped Steel, Etc.)

Cheney S. & Son (Cast Iron Only), Manlius, N. Y.
Cleveland Stamping & Tool Co. (Bailed & Handled), E 53d & Hamilton, Cleveland, O.
Crane Wm. M. Co. ("Vulcan"), 16 W 32d, New York
Griswold Mfg. Co. (Cast Iron & Aluminum), Erie, Pa.
Lalance & Grosjean Mfg. Co. (Cake), 299 B'way, New York
National Enameling & Stamping Co. (Cake)), 411 5th av, New York
New York Stamping Co. ("Empire" Steel), N 11th & Berry, Brooklyn, N. Y.
Stuart & Peterson Co. (Polished Cast Iron), Burlington, N. J.
Wagner Mfg. Co. ("Wagner Ware"), Sidney, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (Stamped Steel), Wheeling, W. Va.

## 5601— Griddles (Electric)

American Electrical Heater Co. ("American Beauty"), Burroughs & Woodward av, Detroit, Mich.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass

## 5602— Griddles (Soapstone)

Alberene Stone Co., 223 E 23d, New York
Phoenix Soapstone Co., 71 Murray, New York
Pike Mfg. Co., Pike, N. H.
Union Soapstone Co., 14 Marshall, Boston, Mass.
Vermont Soapstone Co., Perkinsville, Vt.

## 5603—Grille, Fret & Lattice Work

See also Grille & Fret Work, for the Trade Only

American Parquetry Floor Co., 802 Bailey bldg, Phila., Pa.
American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.
Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill
Bertelsen Adjustable Grille Co., 2117 S Troy, Chicago, Ill.
**Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.**
Boynton & Co., 1725 Dickson, Chicago, Ill.
Buffalo Grille Co., 270 Court, Buffalo, N. Y.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Central Wire & Iron Works (Wire Window Guards), Des Moines, Ia.
Chapman Wm. O. Co., 30 Church, New York
Cleveland Hardwood Floor Co., Cleveland, O.
Columbus Structural Steel Co. (Window Guards), Columbus, O.
Columbus Wire & Iron Works Co. (& Window Guards, etc), Columbus, O.
Curtis Bros. & Co., Clinton, Ia.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gordon Van Tine Co., Davenport, Ia.
Grand Union Grille Works, 3422 W Lake, Chicago, Ill.
**Heaton & Wood, 1802 Chestnut, Phila., Pa.**
Highton Wm. & Sons Co. (Brass, Bronze, Cast Iron & Steel), Nashua, N. H.
Huttig Mill Wk Co., Kansas City, Mo.
Hyde-Murphy Co., Ridgeway, Pa.
Inlaid Floor Co., 600 Alabama & 4067 Notts st, Emeryville, Cal.
Jelliffe C. O. Mfg. Corp. (Window Guards), Southport, Conn.
Kolemick Jno. Jr. & Co. Inc. (Wire & Window Guards), 430 Hancock, L. I. City, N. Y.
Lorenzen Chas. F. & Co., 105 N Clark, Chicago, Ill.
**McKay Angus Co., 724 S Desplaines, Chicago, Ill.**
**Nedrow Mfg. Co., Caledonia, N. Y.**
Nelson Chas. 1939 W Lake, Chicago, Ill.
New York Carved Moulding Co., Third av & 139th, New York
Pasadena Mfg. Co., Pasadena, Cal.
Security Window Guard Co. ("Security"), 130 N 5th av, Chicago, Ill.
Stewart G. S. Co. (Grills & Fret only), Norwalk, O.
Syracuse Screen & Grille Co., North Manchester, Ind.
Tuttle & Bailey Mfg. Co., 2 W. 45th, New York
Waddell Mfg. Co., Grand Rapids, Mich.
Wickwire Spencer Steel Corp. (Window Guards, Wire), Worcester, Mass.
*See adv index at end of book*

## 5604—Grille or Fret Work (for the Trade Only)

Buffalo Grille Co., 270 Court, Buffalo, N. Y.
Chicago Millwork Supply Co., 1404 W. 37th, Chicago, Ill.
Curtis Bros. & Co. (Wholesale Mfrs.), Clinton, Ia.
Curtis, Towle & Paine Co., Lincoln, Neb.
Curtis & Yale Co., Wausau, Wis.
Gauger John A. & Co., 1434 W 22d, Chicago, Ill.
Gould Mfg. Co., Oshkosh, Wis.
Peirce W. E. & Co., Milford, N. H.
Roberts Sash & Door Co., 920 W 20th, Chicago, Ill.

## 5605—Grilles (Brass & Bronze)

See also Bank & Offices Railings

Anchor Post & Iron Wke, 167 B'way N. Y.
*See adv index at end of book*
Art Metal Construction Co. (also Steel), Jamestown, N. Y.
*See adv index at end of book*
Bayer-Rothgeb Co., Los Angeles, Cal.
**Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.**
*See adv index at end of book*
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Cincinnati Mfg. Co., Cincinnati, O.
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo st, Jamestown, N. Y.
*See adv index at end of book*
Estey Wire Works Co., 34 Cliff, New York
Feeley W. J. Co., 169 S. Angell, Providence, R. I.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
**HANKE IRON & WIRE WORKS, 800 N Albany av, Chicago, Ill.**
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Highton Wm & Sons Co., Nashua, N. H.
Howard & Morse, 45 Fulton, New York
Jelliffe C. O. Mfg. Corp. (Wire), Southport, Conn.
Johnson-Meier Co. (and Ornamental), 156 Wendell, Chicago, Ill.
Manton & Smith Co., 1709 W. Austin av, Chicago, Ill.
Michael's Art Bronze Co., Covington, Ky
Nedrow Mfg. Co., Caledonia, N. Y.

GRILLES (BRASS & BRONZE)—contin'd

**NEWMAN MFG. CO.**, 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Pitt Wm. R. Composite Iron Works, 221 W. 26th, New York
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.
Tuttle & Bailey Mfg. Co., 2 W. 45th, New York
**TYLER W. S. CO.**, Cleveland, O., & 200 5th av, New York *See adv index at end of book*
Wickwire Spencer Steel Corp., Worchester, Mass. *See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## 5605a— Grilles (Cast Iron)

Bayer-Rothgeb Co., Los Angeles, Cal.
Highton Wm. & Sons Co., Nashua, N. H.
Newmann Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.
Tuttle & Bailey Mfg. Co., 2 W. 45th, New York
Wisconsin Iron & Wire Works, Milwaukee, Wis.

## 5605b— *Grilles (Electro Plated)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*

## 5605c—Grilles (Fret & Lattice Work)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS** (Wood), 364 5th av, New York *See adv index at end of book*
Feeley W. J. Co. (Brass & Bronze), 169 S Angell, Providence, R. I.
Steelite Co. (Bronze), 1902 W 77th, Cleveland, O.

## 5605d—*Grilles (Perforated Metal)

**ERDLE PERFORATING CO.**, 181 York, Rochester, N. Y. *See adv index at end of book*

## Grilles (Wood)

See Grilles, Fret & Lattice Work

## 5606—Grilles (Wrought Iron)

See also Iron, Architectural & Ornamental

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Cincinnati Mfg. Co., Cincinnati, O. *See adv index at end of book*
Estey Wire Works Co., 34 Cliff, New York
**HANKE IRON & WIRE WORKS**, 800 N Albany av, Chicago, Ill. *See adv index at end of book*
Howard & Morse, 45 Fulton, New York
**NEWMAN MFG. CO.**, 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Pitt Wm. R. Composite Iron Works, 221 W 26th, New York
Smith A. L. Iron Wks., Chelsea, Mass.
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Southern Wire & Iron Wks., Atlanta, Ga.
Steelite Co., 1902 W 77th, Cleveland, O.
Tuttles & Bailey Mfg. Co., 2 W 45th, New York
**TYLER W. S. CO.**, Cleveland, O. & 200 5th av, New York *See adv index at end of book*
Van Doorn Co., Quincy, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## 5607—*Grinders (Arsenate of Lead)

**ABBE ENGINEERING CO.**, 216-224 Bway, New York *See adv index at end of book*

## 5608— Grinders (Band Saw)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Filer & Stowell Co. (Circular), Milwaukee, Wis.
Lake Shore Engine Works, Marquette, Mich.
Yates P. B. Machine Co., Beloit, Wis.

## 5609— Grinders (Bench)

American Electric Tool Co. ("Carver" Portable Electric Direct & Alternating), West Newton, Mass.
Athol Machine Co. (& Countershafts for Tool Dressing), Athol, Mass.
Baldwin, Tuthill & Bolton (Also Combination Bench Grinders & Saw Gummers), Grand Rapids, Mich.
Beal Joseph & Co., 465 Atlantic av, Boston, Mass.
Blount J. G. Co., Everett, Mass.
Bridgeport Safety Emery Wheel Co. ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn. *See adv index at end of book*
Carborundum Co. ("Niagara" carborundum), Niagara Falls, N. Y.
Central Machine Works Co. (Double Grinder), 1234 Central av, Minneapolis,, Minn.
Clark Jas. Jr. Electric Co., Louisville, Ky.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Cutter & Wood Supply Co., 77 Pearl, Boston, Mass. *See adv index at end of book*
Diamond Machine Co. ("Diamond," "Standard"), Providence, R. I.
Empire Implement Mfg. Co., Albany, N. Y.
Fenn Mfg. Co. ("Fenn" Gear Cutter), 385 Broad, Hartford, Conn.
Forbes & Myers, 169 Union, Worcester, Mass. *See adv index at end of book*

Bench and floor electric grinders
Reliable
Convenient
Economical
FORBES & MYERS
169 Union St
Worcester, Mass.

Goodell-Pratt Co., Greenfield, Mass.
Hall & Brown Woodworking Machine Co., 1913 N B'way, St. Louis, Mo. *See adv index at end of book*
Haskins R. G. (Electric), 27 S. Plaines, Chicago, Ill.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Luther Grinder Mfg. Co. ("Mechanic Special," "Best Maide," "Hummer"), 285 S Water, Milwaukee, Wis.
Neil & Smith Electric Tool Co. ("Ideal" Electric), 8th & B'way, Cincinnati, O.
North Wales Machine Co. ("North Wales") North Wales, Pa.
Norton Co., Worcester, Mass.
Partridge Edw. O. ("Partridge"), 2047 Lake, Chicago, Ill. *See adv index at end of book*
Racine Electric Co., Universal Motor, 53 W Jackson bl, Chicago, Ill.
Ransom Mfg. Co., Oshkosh, Wis.
Rivett Lathe & Grinder Co. (Fast Speed Internal), 2 Brooks, Brighton, Boston, Mass.
Rock Island Mfg. Co., Rock Island, Ill.
St. Louis Machine Tool Co., 922 Loughborough, St. Louis, Mo.
Safety Emery Wheel Co., Springfield, O.
Sellew Machine Tool Co. (Disc), Pawtucket, R. I.
Springfield Mfg. Co., Bridgeport, Conn.
Standard Electric Tool Co. (Electric), York & Western av, Cincinnati, O.
Star Specialty Mfg. Co. ("Perfection" Cut Gear Grinders), 227 W Erie, Chicago, Ill. *See adv index at end of book*

Perfection Bench and Power Grinders for Mechanics, Households, Farmers, Etc.
Also Manufacturers of Ford Accessories, Shock Absorbers, Etc.
Star Specialty Mfg. Company
227-233 West Erie Street Chicago, Ill.

Sterling Grinding Wheel Co., Tiffin, O.
Stow Mfg. Co. (Electric), Binghamton, N. Y. *See adv index at end of book*
Tanite Co., Stroudsburg, Pa.
**UNITED STATES ELECTRICAL TOOL CO.** (Electric), Cincinnati, O. *See adv index at end of book*
**UNITED STATES ELECTRICAL TOOL CO.**, 549 W Washington blvd, Chicago, Ill. *See adv index at end of book*
Van Dorn Electric Tool Co., 2978 Woodhill, Cleveland, O.
Vitrified Wheel Co., Westfield, Mass.
Webster & Perks Tool Co. ("W. & P." Self-Oiling), Springfield, O.
Wood A. A. & Sons Co. ("Atlanta," Tool Grinders), Atlanta, Ga.

## Grinders (Car Wheel)

See Car Wheel Grinding Machines

## 5610— Grinders (Center)

See also Pneumatic Center Grinders

Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
Clark Jas. Jr. Electric Co. (Electrically Driven), Louisville, Ky.
**GEM MFG. CO.** ("Gem" Flexible Shaft), Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Leader Mfg. Co. ("Leader"), Springfield, O.
Neil & Smith Electric Tool Co. ("Ideal," 8th & B'way, Cincinnati, O.
Ohio Machine Tool Co., Kenton, O.
Racine Universal Motor Electric Co., 53 W Jackson bl, Chicago, Ill.
Stow Mfg. Co. (Flexible Shaft), Binghamton, N. Y. *See adv index at end of book*
**UNITED STATES ELECTRICAL TOOL CO.** (Electric), Cincinnati, O. *See adv index at end of book*

## 5611— Grinders (Chisel)

Empire Implement Mfg. Co., Albany, N. Y.
Hemming Bros. Co. (Automatic), New Haven, Conn.
Millers Falls Co., 28 Warren, New York
Star Specialty Mfg. Co. ("Star"), 227 W Erie, Chicago, Ill. *See adv index at end of book*

## Grinders (Chuck Work)

See Grinders, Surface, etc

## 5612— Grinders (Cinder)

See also Mills, Cinder

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Eastern Machinery Co. ("Hill," Improved), New Haven, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.
**STANDARD EQUIPMENT CO.** ("Standard"), 184 Church, New Haven, Conn.

## 5613— Grinders (Cock)

See also Grinders, Valve

Milwaukee Cock Grinding Mach. Co., 66 12th, Milwaukee, Wis.
Turner Machine Co. (Automatic), 3632 N Lawrence, Phila., Pa.
Warner & Swasey Co., 5809 Carnegie av, Cleveland O.

## Grinders (Corn & Cob)

See Mills, Corn & Cob

## 5614— Grinders (Crackling)

Mitts & Merrill (For Extracting Tallow), Saginaw, Mich.

## 5615— Grinders (Crank)

Landis Tool Co. (Cylindrical), Waynesboro, Pa.
Merritt S. W. Co., 699 W 133rd, New York
Norton Grinding Co. (Cylindrical), Worcester, Mass.
Tindel, Norris Co., Eddystone, Pa.

## 5616—Grinders (Cup, Cone & Hub)

Bridgeport Safety Emery Wheel Co. ("Bridgeport Safety" Cup Only), 88 Knowlton, Bridgeport, Conn.
Cleveland Machine Tool Co., Cleveland, O.
Norton Co., Worcester, Mass.
Pratt & Whitney Co., Hartford, Conn.
Springfield Mfg. Co., Bridgeport, Conn.

## Grinders (Cutter)

See Grinders, Reamer & Cutter

## 5617— Grinders (Cylinder)

**Hanke Iron & Wire Works, 800 N Albany** av, Chicago, Ill.
*See adv index at end of book*
Heald Machine Co., Worcester, Mass.
Herbert Alfred Ltd., 54 Dey st, New York
*See adv index at end of book*
Merritt S. W. Co., 699 W 133rd, New York
McDonough Mfg. Co., Eau Claire, Wis.
Ott Grinder Co., Indianapolis, Ind.
Pratt & Whitney Co., Hartford, Conn.
Salter Motor Mfg. Co., 1516 Oakland av, Kansas City, Mo.
Tindel Morris Co., Eddystone, Pa.
Webster & Perks Tool Co., Spring Falls, O.
Wood & Safford Mach. Wks., Great Falls, Mont.

## 5618— Grinders (Die)

Baird Machine Co. (And Tool), Bridgeport, Conn.
Bignall & Keeler Machine Works ("B. & K."), Edwardsville, Ill.
Grand Rapids Grinding Machine Co., 30 Ottawa av, Grand Rapids, Mich.
Modern Tool Co., 300 State, Erie, Pa.
*See adv index at end of book*
Vaughn Machinery Co., Cuyahoga Falls, Ohio *See adv index at end of book*
Wilmarth & Morman Co., 1151 Monroe av, N W, Grand Rapids, Mich.

## 5619— Grinders (Disc)

Badger Tools Co. ("Badger"), Beloit, Wis. Wis.
Besly Chas. H. & Co. ("Besly," Single, Double & Vertical Spindle & Pattern Makers), 120 N Clinton, Chicago, Ill.
Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Carpenter Chas. R. Mach. Co., Racine, Wis.
Carter & Bucholz Co. Inc., 1234 S State, Syracuse, N. Y
Crescent Machine Co., Leetonia, O.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Gardner Machine Co. ("Gardner's" Improved for Metals; also "Gardner's" Improved for Pattern Making), Beloit, Wis.
Heald Machine Co., Worcester, Mass.
Herbert Alfred Itd., 54 Dey, New York.
*See adv index at end of book*
Hoysradt & Case (Metal), Kingston, N. Y.
Modern Pattern & Mach. Co., 123 Monroe, Detroit, Mich.
Rowbottom Machine Co. ("Rowbottom" Double Head & Double End), Waterville, Conn.
Sellew Machine Tool Co. ("Sellew"), Pawtucket, R. I.
Taylor & Fenn Co., Hartford, Conn.
Valley City Machine Works, Grand Rapids, Mich.
Walls T. P. Tool & Supply Co. (With Emery Band), 75 Walk, New York

## 5620— Grinders (Drill)

Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Cincinnati Electrical Tool Co., Cincinnati, Ohio
Empire Implement Mfg. Co., Albany, N. Y.
Grand Rapids Grinding Machine Co., 30 Ottawa av, Grand Rapids, Mich.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
**HERBERT ALFRED, LTD.**, 54 Dey, New York
*See adv index at end of book*
Keystone Grinder & Mfg. Co., 220 Penn av, Pittsburgh, Pa.
Landis Tool Co., Waynesboro, Pa.
La Salle Machine & Tool Co. ("American," Twist Drill), La Salle, Ill.
Modern Tool Co., 300 State, Erie, Pa.
*See adv index at end of book*
National-Standard Co. ("Magic"), Box 211, Niles, Mich.
Niles-Bement-Pond Co., 111 B'way, New York
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Washburn Shops ("Worcester"), Worcester, Mass.
Wilmarth & Morman Co. ("New Yankee"), 1151 Monroe av, N W, Grand Rapids, Mich.

## 5621— Grinders (Edging)

See also Mills, Bark

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Bartlett A. F. & Co., Saginaw, Mich.
Filer & Stowell Co., Milwaukee, Wis.
Mitts & Merrill, Saginaw, Mich.
Union Iron Works, Bangor, Me.

## 5622— Grinders (Electric)

**BRIDGEPORT SAFETY EMERY WHEEL CO.**, 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Dillon Elec. Grinders Co., Canton, O.
**FORBES & MYERS** ("Forbes & Myers," Bench & Floor), 169 Union, Worcester, Mass. *See adv index at end of book*

## Grinders (Electric, Portable)

See Grinders, Portable with Word "Electric" Following the Name

## 5623—Grinders (Emery, Tool)

American Grinder Mfg. Co., 718 Poplar, Milwaukee, Wis.
Atlantic Engine Co., Meadville, Pa.
Barcalo Mfg. Co. ("Union" Foot Power), Buffalo, N. Y.
Bay State Emery Wheel Co., Worcester, Mass.
Beal Joseph & Co., 465 Atlantic av, Boston, Mass.
Blake & Johnson Co. ("Waterbury"), 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Blount J. G. Co., Everett, Mass.
Born J. C. & Bro. ("Crescent"), Belleville, Ill.
Bridgeport Safety Emery Wheel Co. ("Bridgeport Safety" Emery Wheel), 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Brown & Sharpe Mfg. Co., Providence, R. I.
Bullock C. K., 1357 Ridge av, Phila., Pa.
Carborundum Co. ("Niagara" carborundum), Niagara Falls, N. Y.
Cheney S. & Son, Manlius, N. Y.
Chicago Wheel & Mfg. Co. ("Eureka"), 1101 W Monroe, Chicago, Ill.
Cincinnati Electrical Tool Co., Cincinnati, O.
Cleveland Pneumatic Tool Co. (Portable & Bench), 3734 E 78th, Cleveland, O.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Crestline Mfg. Co. ("Ever-Ready" Connected to Gasoline Engine for Farm & General Use), Crestline, O.
Cutter & Wood Supply Co., 77 Pearl, Boston, Mass. *See adv index at end of book*
Deane Machine Co., Fitchburg, Mass.
Defiance Machine Works, Defiance, O.
Diamond Machine Co. ("Diamond," "Standard" Bench Tools, etc), Providence, R. I.
Disston Henry & Sons (Inc.), Tacony, Phila., Pa.
Duisdieker Foundry & Mfg. Co. ("Cyclone"), Pekin, Ill.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Forbes & Myers ("Forbes & Myers"), 169 Union, Worecster, Mass.
*See adv index at end of book*
Frank Machinery Co., Buffalo, N. Y.
Frederick Machine Works, Norwalk, O.
Garvin Machine Co., 147 Varick, New York
**GEM MFG. CO.** ("Gem," Portable, Flexible Shaft), Goebel, nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*
Gillie Machine Co. ("Tonawanda" Double), Tonawanda, N. Y.
Gisholt Machine Co. ("Universal" for Lathe & Planer Tools), Madison, Wis.
Gleason Works, 2000 University av, Syracuse, N. Y. *See adv index at end of book*
Globe Co. ("Globe," Small, for Farmers, Butchers, etc.), Sheboygan, Wis.
Goodell-Pratt Co., Greenfield, Mass.
Goodnow L. H. Foundry Co., Fitchburg, Mass.
Grace C. M. & Co., Huntsville, Ala.
Grand Rapids Grinding Machine Co., 30 Ottawa av, N. W., Grand Rapids, Mich.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
*See adv index at end of book*
Greer Chemical Co., 20 W Jackson blvd, Chicago, Ill.
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
Herrick & Cowell, New Haven, Conn.
Hoil Mfg. Co., 45 N Division, Buffalo, N. Y.
Holmes E & B. Machinery Co., Buffalo, N. Y.
Hussman Harry L., 911 N B'way, St. Louis, Mo.
Kerrihard Co. (With Saws Attached), Red Oak, Ia.
King Mfg. Co., Piqua, O.
Landis Tool Co. (Cylindrical), Waynesboro, Pa.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Luther Grinder Mfg. Co. ("Mechanics Special," "Best Maide," "Dimo-Grit" "Hummer," Hand, Foot & Belt Driven tool Sharpeners), 285 S Water, Milwaukee, Wis.
Michigan Engine Valve Co. ("Perfection"), 115 Columbia, W Detroit, Mich.
Modern Grinder Mfg. Co., 49 Oneida, Milwaukee, Wis.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Mummert-Dixon Co. ("Universal"), Hanover, Pa.
**MYERS MACHINE TOOL CO.** ("Myers" & "Eclipse"), Columbus, Pa.
*See adv index at end of book*
Newton Edwin A. ("Brand New"), 310 N 4th, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Noble & Westbrook Mfg. Co., Hartford, Conn.
Norton Grinding Co., Worcester, Mass.
Ott Grinder Co., Indianapolis, Ind.
Partridge Edw. O. ("Partridge"), 2039 W Lake, Chicago, Ill.
*See adv index at end of book*

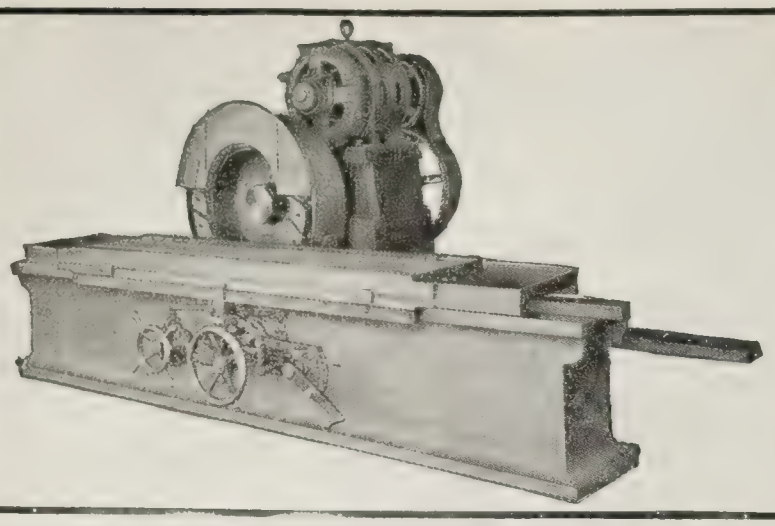

***EMERY GRINDERS AND COUNTERSHAFTS***

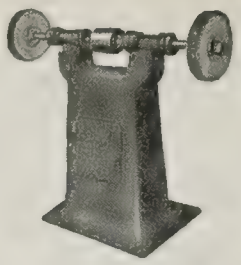
**Wood Turning Lathes—Pendulum Foot Presses, Tapping Machines, Saw Mandrels**

**E. O. PARTRIDGE**

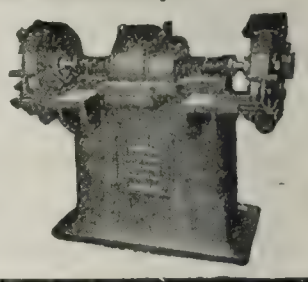
**2039-49 W. Lake St., Chicago, Ill.**


Pittsburgh Emery Wheel Co., Rochester, Pa.
Pratt & Whitney Co., Hartford, Conn.
Quickedge Sharpener Co., 215 N Desplaines, Chicago, Ill.
Ransom Mfg. Co., Oshkosh, Wis.
Richards-Wilcox Mfg. Co. ("Cyclone," Ball-Bearing Steel Frame), Aurora, Ill.
Rockford Drilling Machine Co. (Tool), Rockford, Ill.
Rock Island Mfg. Co., Rock Island, Ill.
Rogers Samuel C. & Co., 10 Lock, Buffalo, N. Y.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Jos. T. & Son, 910 Corn Exc. bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
St. Louis Machine Tool Co., 922 Loughborough, St. Louis, Mo.
Safety Emery Wheel Co., Springfield, O.
San Francisco Engineering Co., 322 6th, San Francisco, Cal.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Sprague Foundry & Mfg. Co., Council Bluffs, Ia.
Springfield Mfg. Co., Bridgeport, Conn.
Star Corundum Wheel Co., 241 Cavalry av, Detroit, Mich.
Stark Tool Co. (For Small Tools), Waltham, Mass.
Steiner Mfg. Works, Erie, Pa.
Sterling Grinding Wheel Co., Tiffin, O.
Stover Mfg. & Engine Co. (Small), Freeport, Ill.
Stow Mfg. Co. (Stationary & Portable), Binghamton, N. Y.
*See adv index at end of book*
Swineford G. A. Co., Canton, O.
Tabor Mfg. Co. ("Taylor"), 18th & Hamilton, Phila., Pa.
Tanite Co., Stroudsburg, Pa.
Taylor & Fenn Co., Hartford, Conn.
Tucker Machine Co., 222 E 9th, Cincinnati,, O.
United States Electrical Tool Co., Cincinnati, O.
*See adv index at end of book*
Universal Grinding Mach. Co. ("Universal"), Fitchburg, Mass.





**BRIDGEPORT SAFETY EMERY WHEEL CO., Inc.**
88 Knowlton St., Bridgeport, Conn.
**Manufacturers**
Grinding Wheels—Grinding and Polishing Machinery



Floor Grinders, Knife Grinders, Tool Grinders, Surface Grinders, Combination Wet and Dry Grinders, Guide Bar Grinders, Swing Frame Grinders, Shear Blade Grinders, Buffing Lathes, etc., etc. Belt or Motor Driven.

GRINDERS (EMERY TOOL)—continued

Valley City Machine Works ("V.-C."), Grand Rapids, Mich.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Vitrified Wheel Co., Westfield, Mass.
Webster & Perks Tool Co. (Electric & Belt), Springfield, O.
Wilmarth & Morman Co., 1151 Monroe av N W, Grand Rapids, Mich.
Woods Engng. Co., Alliance, O.
Worcester Pattern & Model Co., ("Anderson"), Worcester, Mass.

## Grinders (Face)

See Grinders, Surface, etc.

## Grinders (Feed)

See Mills, Feed Grinding

## 5624— Grinders (Floor)

**BRIDGEPORT SAFETY EMERY WHEEL CO.**, 88 Knowlton, Bridgeport, Conn. *See adv index at end of book*
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Diamond Machine Co. ("Diamond," "Standard"), Providence, R. I.
Forbes & Myers ("Forbes & Myers," Electric, Alternating), 169 Union, Worcester, Mass. *See adv index at end of book*
Norton Co., Worcester, Mass.
Partridge E. O., 2039 W. Lake, Chicago, Ill. *See adv index at end of book*
Ransom Mfg. Co. (Belt Driven with Steel Guards Having Exhaust Pipe Connections), Oshkosh, Wis.
Safety Emery Wheel Co. ("Champion"), Springfield, O.
Stow Mfg. Co., Binghamton, N. Y. *See adv index at end of book*
**UNITED STATES ELECTRICAL TOOL CO.**, Cincinnati, O. *See adv index at end of book*
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.

## 5625—Grinders (Foot & Hand Power)

See also Grinders, Sickle & Mower Knife
Buffalo Emery Wheel Co., 127 Ash, Buffalo, N. Y.
Buffalo Specialty Co. ("Success" Foot Only), 375 Ellicott, Buffalo, N. Y.
Carborundum Co. ("Niagara" carborundum), Niagara Falls, N. Y.
Clark-Mesker Co., 18511 Euclid av, Cleveland, O.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Empire Implement Mfg. Co. ("Climax" Hand Power), Albany, N. Y.
Hopper J. E. & Sons, 78 Main, Belleville, N. J. *See adv index at end of book*
Keystone Grinders & Mfg. Co., 220 Penn av, Pittsburgh, Pa.
Luther Grinder Mfg. Co. ("Mechanics Special," "Best Maide," "Dimo-Special," "Hummer," "Farm Special"), 285 So. Water, Milwaukee, Wis.
North Wales Machine Co. ("North Wales") North Wales, Pa.
Pike Mfg. Co., Pike, N. H.
Rock Island Mfg. Co., Rock Island, Ill.
Wood A. A. & Sons Co. ("National" Hand Power Only), Atlanta, Ga.

## 5625a—Grinders (For Woodworking Tools)

Worcester Pattern & Model Co. ("Anderson"), Worcester, Mass.

## 5625b— Grinders (Gauge)

La Salle Machine & Tool Co. (Micrometers), La Salle, Ill.
Steel Products Engineering Co., Springfield Ohio
Wisconsin Electric Co., 1600 Junction av, Racine, Wis. *See adv index at end of book*

DUMORE
HIGH SPEED GRINDERS
A SPINDLE AND SPEED FOR EVERY NEED
WISCONSIN ELECTRIC CO.
1600 JUNCTION AVE. RACINE WIS. U.S.A.

## 5625c—Grinders (Heavy Face)

Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Diamond Machine Co. ("Diamond"), Providence, R. I.

## 5626—Grinders (Huller Knife)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Carver Cotton Gin Co. (For Cotton Seed Hullers), East Bridgewater, Mass.

## Grinders (Indigo)

See Mills (Indigo)

## 5627— Grinders (Internal)

Brown & Sharpe Mfg. Co., Providence, R. I.
Bryant Chucking Grinder Co., Springfield, Vt.
Cincinnati Electrical Tool Co., Cincinnati, O.
Grand Rapids Grinding Machine Co., 30 Ottawa N. W., Grand Rapids, Mich.
**HEALD MACHINE CO.**, Worcester, Mass.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Landis Tool Co. (Cylindrical), Waynesboro, Pa.
Lansing Stamping & Tool Co. ("Capitol"), Lansing, Mich.
Modern Tool Co. ("Modern"), 300 State, Erie, Pa. *See adv index at end of book*
Neil & Smith Electric Tool Co. ("Ideal" Portable Electric), 8th & B'way, Cincinnati, O.
Ott Grinder Co., Indianapolis, Ind.
Rivett Lathe & Grinder Co., 2 Brooks, Brighton, Boston, Mass.
Stow Mfg. Co Binghamton, N. Y. *See adv index at end of book*
Universal Grinding Mach. Co., Fitchburg, Mass.
Van Norman Machine Tool Co. ("Van Norman"), Springfield, Mass.

## 5628—Grinders (Knife & Scissors)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Blackhall Mfg. Co. (Knife Only), 196 Seneca, Buffalo, N. Y.
Bridgeport Safety Emery Wheel Co. (Knife Only), 88 Knowlton, Bridgeport, Conn. *See adv index at end of book*
Covel Mfg. Co., Benton Harbor, Mich.
Emerson-Brantingham Co. ("E. B. Osborne" Knife), Rockford, Ill.
Empire Implement Mfg. Co., Albany, N. Y.
Fate, Root, Heath Co. ("Favorite" Clipper Knife), Plymouth, Ohio.
Hemming Bros. Co. (Automatic Knife), New Haven, Conn.
Hickok W. O. Mfg. Co. (Paper & Cutter Knives), Harrisburg, Pa.
Hoppen J. E. & Sons, 78 Main, Belleville, N. J. *See adv index at end of book*
North Wales Machine Co. ("North Wales") North Wales, Pa.
Kline Lewis T. (Knife only), Alpena, Mich.
Rogers Frank R., 16-20 Elk, Buffalo, N. Y.
Rogers Samuel C. & Co. ("Buffalo" Automatic), 10 Lock, Buffalo, N. Y.
Root-Heath Mfg. Co. ("Favorite" Clipper Knife), Plymouth, O.
Safety Emery Wheel Co. (Knife Only), Springfield, O.
Seybold Machine Co. (Knife), Dayton, O.
Shawmut Machinery Co. ("Perfect" Scissors), 82 Lincoln, Boston, Mass.
Spengler-Loomis Mfg. Co. ("Kwicksharp"), 58 E Washington, Chicago, Ill.
Springfield Mfg. Co. (Knife), Bridgeport, Conn.
Vaughn Machinery Co., Cuyahoga Falls, Ohio *See adv index at end of book.*

## 5629—Grinders (Lathe Center)

Coates Clipper Mfg. Co., Worcester, Mass.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.
United States Electrical Tool Co., Cincinnati, O. *See adv index at end of book*

## Grinders (Lawn Mower)

See Sharpeners, Lawn Mower

## 5630-1—Grinders (Mill Pick)

Bullock Chas. K., 1357 Ridge av, Phila., Pa.

## Grinders (Mower Knife)

See Grinders, Sickle & Mower Knife

## 5632— Grinders (Oilstone)

Mummert-Dixon Co., Hanover, Pa.
Oliver Machinery Co., Grand Rapids, Mich.

## 5633— Grinders (Pan)

Tropenas Converter Co., 2243 Nostrand av, Brooklyn, N. Y.

## 5634— Grinders (Paper Mill)

Mitts & Merrill, Saginaw, Mich.
**Noble & Wood Machine Co.** ("Bull-Dog," for Roofing & Leather Stock), Hoosick Falls, N. Y.

## Grinders (Plain Tool)

See Grinders, Emery, Tool

## 5635—Grinders (Planer Knife)

**American** Woodworking Machinery Co., Rochester, N. Y.
**Baldwin,** Tuthill & Bolton, Grand Rapids, Mich.
**Bridgeport** Safety Emery Wheel Co., ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Capital Machine Co. (Automatic), Indianapolis, Ind.
Carver Cotton Gin Co. (Wet & Dry), E Bridgewater, Mass.
Defiance Machine Works (Automatic), Defiance, O.
Fay J. A. & Eagan Co., Cincinnati, O.
Hall & Brown, Woodworking Machine Co., 1913 N B'way, St. Louis, Mo.
*See adv index at end of book*
Hemming Bros. Co. (Automatic), New Haven, Conn.
Holmes E. & B. Machinery Co., Buffalo, N. Y.
Kimball F. J. Co., Inc. (Also Turbine), 1860 E 15th, Los Angeles, Cal.
Mummert-Dixon Co. ("Universal"), Hanover, Pa.
Oliver Machinery Co., Grand Rapids, Mich.
Rogers Samuel C. & Co. ("Buffalo" Automatic, etc), 10 Lock, Buffalo, N. Y.
Safety Emery Wheel Co., Springfield, O.
Smith H. B. Machine Co., Smithville, N. J.
Stockbridge Machine Co. ("Quick-Sharp") Worcester, Mass.
Tanite Co., Stroudsburg, Pa.
Trevor Mfg. Co., Lockport, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Donnell, Boston, Mass.
**Yates P. B. Machine Co., Beloit, Wis.**

## 5636— Grinders (Portable)

**Armstrong-Blum** Mfg. Co, ("Marvel"), 337 N Francisco av, Chicago, Ill.
**CHICAGO PNEUMATIC TOOL CO.** ("Little Giant" Operated Either by Compressed Air or Electricity), 6 E 44th, New York
*See adv index at end of book*
**Cincinnati** Electrical Tool Co. (Electric), Cincinnati, O.
**Excelsior** Tool & Machine Co., 32nd & Ridge, East St. Louis, Ill.
**Forbes & Myers** ("Forbes & Myers" Electric Bench), 169 Union, Worcester, Mass. *See adv index at end of book*
**Hamilton-Beach** Mfg. Co. (Electric), Racine, Wis.
Haskins, R. J., 27 S Desplaines, Chicago, Ill.
**Helwig** Mfg. Co. ("Helwig" Operated by Air), St. Paul, Minn.
**Hisey-Wolf** Machine Co. ("Hisey" Electrical Driven), Cincinnati, O.
**Independent** Pneumatic Tool Co. (Electric), 600 W Jackson blvd, Chicago, Ill.
**Ingersoll-Rand Co.** ("Little David" Pneumatic), 11 B'way, New York
*See adv index at end of book*
Mummert-Dixon Co. (Electric Radial Swing), Hanover, Pa.
National-Standard Co., Box 211, Niles, Mich.
Neil & Smith Electric Tool Co. ("Ideal" Electric), 5th & B'way, Cincinnati, O.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**Racine** Electric Co., Racine, Wis.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
**Standard** Electric Tool Co. (Electric), York & Western av, Cincinnati, O.
**STOW MFG. CO.** (Electric, Flexible Shaft), Binghamton, N. Y.
*See adv index at end of book*
**Stow Flexible Shaft Co.,** 26th & Callowhill, Philadelphia, Pa.
**UNITED STATES ELECTRICAL TOOL CO** (Electric Hand & Heavy Duty Grinders), Cincinnati, O.
*See adv index at end of book*
**UNITED STATES ELECTRICAL TOOL CO.,** 549 W Washington blvd, Chicago, Ill. *See adv index at end of book*
**Van Dorn** Electric Tool Co. (Electric), 2978 Woodhill, Cleveland, O.
**Wisconsin** Electric Co. ("Dunmore" Electric), 1600 Junction av, Racine, Wis.
*See adv index at end of book*

## 5637—Grinders (Radial, Ball Race-Way)

**Van Norman** Machine Tool Co. ("Van Norman" Automatic Oscillating), Springfield, Mass.

## 5638—Grinders (Reamer & Cutter)

See also Grinders, Emery-Tool

**Adams Co.** ("The Farwell Cutter"), Dubuque, Iowa
**Brown & Sharpe Mfg. Co.,** Providence, R. I.
**Cincinnati** Gear Cutting Machine Co. (Gear Cutter), Elam & Garrard av Cincinnati, O.
**Cincinnati** Milling Machine Co. (Cutter), Cincinnati, O.
**Clark Jas. Jr.** Electric Co. (Cutter), Louisville, Ky.
**Clough R. M.,** Tolland, Conn.
**Disston Henry & Sons,** Tacony, Phila., Pa.
**Draper & Hall** Co. (Draper & Hall), Middletown, Conn.
**Falls Machine Co. (Cutter), Sheboygan Falls, Wis.**
**Fenn** Mfg. Co. ("Fenn" Gear Cutter), 385 Broad, Hartford, Conn.
**Garvin** Machine Co. (Universal Cutter), 147 Varick, New York
**Grand Rapids** Grinding Machine Co., 30 Ottawa N. W., Grand Rapids, Mich.
**Greenfield** Machine Co. ("Greenfield"), Greenfield, Mass.
**Greenfield** Tap & Die Corp. ("Wells"), Greenfield, Mass.
*See adv index at end of book*
**Hisey-Wolf** Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
**Kane & Roach,** Syracuse, N. Y.
**Landis** Tool Co., Waynesboro, Pa.
**Le Blond R. K.** Machine Tool Co. (Cutter), Cincinnati, O.
**Matson** Machine Co., Concord, N. H.
**Modern** Tool Co., 300 State, Erie, Pa.
*See adv index at end of book*
**Norton** Grinding Co., Worcester, Mass.
**Oakley** Machine Tool Co., Oakley, Cincinnati, O.
**Pratt & Whitney** Co., Hartford, Conn.
**Putnam** Machine Co., Fitchburg, Mass.
**Rivett Lathe & Grinder Co. (Cutter), 2 Brooks, Brighton, Boston, Mass.**
**Ryerson** Jos. T. & Son, 910 Corn Exc. bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
**Simmons** Machine Co., Inc., 987 Broadway, Albany, N. Y.
**Stark** Tool Co. ("Stark" Pinion Cutter Grinder), Waltham, Mass.
**United States Electrical Tool Co., Cincinnati,** O. *See adv index at end of book*
**Universal** Grinding Mach. Co., Fitchburg, Mass.
**Walker O. S. Co., Worcester, Mass.**
**Wilmarth & Morman Co.** ("New Yankee'), 1151 Monroe av, N W, Grand Rapids, Mich.
**Woods** Engineering Co. (For Cutter only), Alliance, O.

## 5639— Grinders (Ring)

**Bristol** Mach. Tool Co. ("Bristol," Piston Ring), Bristol, Conn.
**Diamond** Machine Co. ("Diamond"), Providence, R. I.
**Robbins Machine Co. ("Bay State" Piston Ring), Worcester, Mass.**
**Walker O. S. Co. ("Single Stroke" Piston Ring), Worcester, Mass.**

## 5640—Grinders (Ring Wheel)

**Badger** Tool Co. ("Badger"), Beloit, Wis.
**Besly Chas. H. & Co.** ("Besly," Single & Double Spindle), 120 N Clinton, Chicago, Ill.
**Bridgeport** Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*

## 5641— Grinders (Roll)

**Farrel Foundry & Machine Co., Ansonia, Conn.**
**Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.**
**Hampden** Corundum Wheel Co., Springfield, Mass.
**Hisey-Wolf Machine Co.** ("Hisey" Portable Electric), Cincinnati, O.
**Landis** Tool Co. ("Landis"), Waynesboro, Pa.
**Lobdell** Car Wheel Co., G, Wilmington, Del.
**Modern** Tool Co. ("Modern"), 300 State, Erie, Pa. *See adv index at end of book*
**Neil & Smith** Electric Tool Co. ("Ideal" Portable Electric), 5th & B'way, Cincinnati, O.
**Nordyke & Marmon** Co., Kentucky av & Morris, Indianapolis, Ind.
**Norton** Grinding Co., Worcester, Mass.
**Poole J. Morton Co.,** Ft. Thorn, Wilmington, Del.
**Springfield** Mfg. Co., Bridgeport, Conn.
**Townsend Foundry & Machine Shop Co.,** B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*
**United States Electrical Tool Co., Cincinnati,** O. *See adv index at end of book*

## 5642—Grinders (Rotary Shear)

**Bridgeport** Safety Emery Wheel Co. ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
**Springfield Mfg. Co., Bridgeport, Conn.**

## 5643—Grinders (Sample Ore)

**Abbe** Engineering Co., 216-224 B'way, New York *See adv index at end of book*
**Allis-Chalmers** Mfg. Co., Milwaukee, Wis.
**Braun** Corp. (Hand), 363 New High, Los Angeles, Cal.
**Braun-Knecht-Heimann** Co. (Laboratory Ore), 576-5 Mission, San Francisco, Cal.
**Calkins** Co. ("Advance" Disc, Hand or Power), Los Angeles, Cal.
**Denver** Engineering Works Co., Denver, Colo.
**Engelbach** Machine Mfg. Co., Leadville, Colo
**KENNEDY-VAN SAUN MFG. & ENG. CORP.,** 120 B'way, New York
*See adv index at end of book*
**Mine & Smelter** Supply Co., 42 B'way, New York
**Worthington** Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 5644— Grinders (Sand)

**Abbe** Engineering Co., 216-224 B'way, New York *See adv index at end of book*
**Penn Seaboard** Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
**Wetherill R. & Co., Chester, Pa.**

## 5645— Grinders (Saw)

**Continental Wood Screw Co.** (Automatic), New Bedford, Mass.
**Covel** Mfg. Co., Benton Harbor, Mich.
**Greenfield** Tap & Die Corp. ("Nutter & Barnes" Plain Auto Saw), Greenfield, Mass. *See adv index at end of book*
**Hinds Thos. Co.,** Malone, N. Y.
**Hunter Saw & Machine Co.** (Inserted Tooth), 57th & Butler, Pittsburgh, Pa.
**Huther Bros.,** Huther Bros. Patent Saw Mfg. Co. (For Sharpening Inserted Tooth Milling Saws), Rochester, N. Y.
*See adv index at end of book*
**Oliver Machinery Co.,** Grand Rapids, Mich.
**Q. M. S. Co.** (Automatic), 1771 Elston av, Chicago, Ill.

## 5645a—*Grinders (Sectional Wheel)

**Bridgeport** Safety Emery Wheel Co., (Sole Mfrs. in U. S.), 88 Knowlton, Bridgeport, Conn. *See adv index at end of book*

## 5646—Grinders (Shear Knife)

**Tinker F. & Sons Co.,** 5687 Butler, Pittsburgh, Pa.
**Wilmarth & Morman Co.,** 1151 Monroe av, N W, Grand Rapids, Mich.

## 5647—Grinders (Sickle & Mower Knife)

See also Grinders, Foot & Hand Power

**Acme Harvesting** Machine Co. ("Acme"), Peoria, Ill.
**Chapman H. L.** ("Chapman"), Marcellus, Mich.

GRINDERS (SICKLE & MOWER KNIFE) —continued

Cheney S. & Son ("Fowler"), Manlius, N. Y.
Clizbe Bros. Mfg. Co. ("Daily," "Royal," "Star," "Crown" Sickle), Plymouth, Ind.
Cutaway Harrow Co. ("Dutton"), Higganum, Conn.
Duplex Mill & Mfg. Co. ("Kelley Duplex"), Springfield, O.
Fate-Root-Heath Co., (The), Plymouth, O.
Goodell-Pratt Co., Greenfield, Mass.
Herschel R. Mfg. Co. ("Herschel," "New Model"), Peoria, Ill.
Hopper J. E. & Sons, 78 Main, Belleville, N. J. *See adv index at end of book*
International Harvester Company of America (Inc.), "Interantional"-Deering-McCormick-Milwaukee, Harvester bldg, Chicago, Ill.
Kalamazoo Tank & Silo Co. ("Kalamazoo"), Kalamazoo, Mich.
Luther Grinder Mfg. Co. ("Hummer," "Best Maide," "Farm Special"), 285 S Water, Milwaukee, Wis.
National Dairy Machine Co. ("Industrial"), Goshen, Ind.
Richard-Wilcox Mfg. Co. ("Richards," "Wilcox," "Velox"), Aurora, Ill.
Rock Island Mfg. Co., Rock Island, Ill.
Schofield & Co. ("Schofield"), Freeport, Ill.
Whitaker Mfg. Co., ("Karbo," "Sterling"), 409 S Green, Chicago, Ill.
Wood Walter A. Mower & Reaper Machine Co. ("Paragon" & "Perfect"), Hoosick Falls, N. Y.

## 5648—Grinders (Silversmiths')

Abbe Engineering Co., 216-224 B'way, Boston, Mass. *See adv index at end of book*

## 5649-50—Grinders (Skate)

Cutter & Wood Supply Co., 77 Pearl, Boston, Mass.
*See adv index at end of book*
Hemming Bros. (Automatic), New Haven, Conn.
Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Pike Mfg. Co., Pike, N. H.

## 5651—Grinders (Surface, Etc.)

Abrasive Machine Tool Co. ("Abrasive"), East Providence, R. I.
Besly Chas. H. & Co. ("Besly," Flat Surface), 120 N Clinton, Chicago, Ill.
Blake & Johnson Co. ("Waterbury"), 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Blanchard Machine Co. ("Blanchard," High Power Vertical), Cambridge, Mass.
Blount J. G. Co., Everett, Mass.
**BRIDGEPORT SAFETY EMERY WHEEL CO.**, ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Bristol Mach. Tool Co. ("Bristol" Rotary), Bristol, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Bryant Chucking Grinder Co. ("Bryant" Multiple Spindle Grinders), Springfield, Vt.
Clark Jas., Jr. Electric Co., Louisville, Ky.
Cleveland Automatic Machine Co. ("Cleveland" Tool & Surface), 2269 E 65th, Cleveland, O.
Cleveland Mach. Tool Co., Cleveland, O.
Clough R. M., Tolland, Conn.
Diamond Machine Co. ("Diamond," Automatic, Hand, etc), Providence, R. I.
Draper & Hall Co. (Draper & Hall), Middletown, Conn.
Garvin Machine Co., 147 Varick, New York
Globe Inventing Co., 4877 N Hermitage av, Chicago, Ill.
Grand Rapids Grinding Machine Co., 30 Ottawa N W, Grand Rapids, Mich.
Heald Machine Co., Worcester, Mass.
Herbert Alfred Ltd., 54 Dey, New York.
*See adv index at end of book*
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Ingersoll Mill Mach. Co. (For Cutters Only), Rockford, Ill.
Landis Tool Co., Waynesboro, Pa.
La Salle Machine & Tool Co. (Micrometer Adjustment), La Salle, Ill.
Metz Peter J., 562 Washington blvd., Chicago, Ill.
Modern Tool Co. (Cylindrical), 300 State, Erie, Pa. *See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Moseley Lathe Co. ("Moseley" Traverse for Internal & External Grinding) Elgin, Ill.
National Machine Co. ("Hartford"), Hartford, Conn.
Neil & Smith Electric Tool Co. ("Ideal" Portable Electric), 8th & B'way, Cincinnati, O.
Newton Machine Tool Works (Planer Type), 23rd & Vine, Phila., Pa.
Norton Grinding Co., Worcester, Mass.
Peerless Surface Machine Co. (Belt), 207 Market, Newark, N. J.
Persons-Arter Machine Co. ("Model A," Rotary), Worcester, Mass.
Pratt & Whitney Co. (Vertical), Hartford, Conn.
Reid Bros. Co. ("Reid"), Beverly, Mass.
Robbins Machine Co. ("Bay State"), Worcester, Mass.
Sanford F. C. Mfg. Co. ("Sanford" "Precision Centerless), Bridgeport, Conn.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Springfield Mfg. Co. (Planer & Vertical Type), Bridgeport, Conn.
Stein Wm. P. & Co., Rochester, N. Y.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*
Tanite Co., Stroudsburg, Pa.
United States Electrical Tool Co. (Portable Electric), Cincinnati, O.
*See adv index at end of book*
Universal Grinding Mach. Co., Fitchburg, Mass.
Valley City Machine Works, Grand Rapids, Mich.
Walker O. S. Co., Worcester, Mass.
Vaughn Machinery Co., Cuyahoga Falls, Ohio *See adv index at end of book*
Wilmarth & Morman Co., ("New Yankee"), 1151 Monroe av, N W, Grand Rapids, Mich.

## 5652-5653—Grinders (Swing Frame)

Bridgeport Safety Emery Wheel Co., ("Bridgeport Safety"), Bridgeport, Conn. *See adv index at end of book*
Excelsior Tool & Machine Co., 32nd & Ridge, East St. Louis, Ill.
Pittsburgh Emery Wheel Co., Rochester, Pa.
Safety Emery Wheel Co., Springfield, O.
Springfield Mfg. Co., Bridgeport, Conn.
Sterling Grinding Wheel Co., Tiffin, O.

## Grinders (Tool)

See Grinders, Emery Tool; also Grinders, Wet Tool

## 5654— Grinders (Tool Post)

American Electric Tool Co. ("Carver" Portable Electric), West Newton, Mass.
Armstrong-Blum Mfg. Co. (Fitted for Attachment to Lathes & Planers), 337 N Francisco av, Chicago, Ill.
Cincinnati Electrical Tool Co., Cincinnati, Ohio
Grand Rapids Grinding Machine Co. (Head Only), 30 Ottawa av N. W., Grand Rapids, Mich.
Grant Mfg. & Machine Co. (& Internal), Bridgeport, Conn.
Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Neil & Smith Electric Tool Co. ("Ideal" Portable Electric), 8th & B'way, Cincinnati, O.
Simmons Machine Co. Inc., 987 Broadway, Albany, N. Y.
Standard Electric Tool Co. (Portable Electric), York & Western av, Cincinnati, O.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*
United States Electrical Tool Co., Cincinnati, O. *See adv index at end of book*
Wisconsin Electric Co. ("Dumore" Electric), 1600 Junction av, Racine, Wis.
*See adv index at end of book*

## 5655— Grinders (Track Rail)

Atlas Railway Supply Co. ("Atlas"), 431 S Dearborn, Chicago, Ill.
Kerwin Machine Co. ("Kerwin-Detroit"), Detroit, Mich.
Railway Track-Work Co. (Reciprocating), 30th & Walnut, Philadelphia, Pa.
Stow Mfg. Co. (Electric, with Flexible Shaft), Binghamton, N. Y.
*See adv index at end of book*

## Grinders (Twist Drill)

See Grinders, Drill.

## 5656— Grinders (Universal)

Atkins, E. C. & Co., Indianapolis, Ind.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Grinder Co., 3233 Colerain, Cincinnati, O.
Draper & Hall Co. (Draper & Hall), Middletown, Conn.
Fitchburg Grinder Co. ("Fitchburg") (Cylindrical), Fitchburg, Mass.
Gisholt Machine Co. (For Lathe & Planer Tools), Madison, Wis.
Grand Rapids Grinding Machine Co., 30 Ottawa N. W., Grand Rapids, Mich.
Greenfield Machine Co., Greenfield, Mass.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
*See adv index at end of book*
Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.
Landis Tool Co. (Cylindrical), Waynesboro, Pa.
Le Blond, R. K. Machine Tool Co., Cincinnati, O.
McDonough Mfg. Co. (Tools), Eau Claire, Wis.
Modern Tool Co. ("Modern"), 300 State, Erie, Pa.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Neil & Smith Electric Tool Co. ("Ideal" Portable Electric), 8th & B'way, Cincinnati, O.
Norton Grinding Co., Worcester, Mass.
Oesterlein Machine Co., Cincinnati, O.
Ott Grinder Co., Indianapolis, Ind.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Tabor Mfg. Co. ("Taylor), 18th & Hamilton, Phila., Pa.
Thompson Grinder Co., Springfield, O.
United States Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
Universal Grinding Mach. Co., ("Bath," Plain, Surface, Disc, Internal & Cutter Grinder, All in One), Fitchburg, Mass.
Van Dorn Electric Tool Co., 2978 Woodhill, Cleveland, O.
Walker O. S. Co., Worcester, Mass.
Webster & Perks Tool Co., Springfield, O.
Wilmarth & Morman Co., 1151 Monroe av, N W, Grand Rapids, Mich.
Woods Engineering Co. (Tool & Cutter Grinder), Alliance, O.

## 5657— Grinders (Valve)

Albertson & Co., Inc., Sioux City, Ia.
Ashcroft Mfg. Co., 119 W 40th, New York
Black & Decker Mfg. Co. (Electric), 111 S Calvert, Baltimore, Md.
Cleveland Pneumatic Tool Co. ("Cleveland" Portable), 3734 E 78th, Cleveland, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Eclipse Valve Grinder Co. (Portable Electrically Driven), 1230 Lydia av, Kansas City, Mo.
Favorite Mfg. Co. ("Favorite" Automobile), 183 W Maple, Columbus, O.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Goodell-Pratt Co. (Automobile), Greenfield, Mass.
Graham Roller Bearing Co., Coudersport, Pa.
Lapoint, J. N. Co. ("Arnold" for Automobiles. Gas Engines, etc.), New London, Conn.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Motch & Merryweather Machinery Co. ("Misch"), 711 Lakeside av, N W, Cleveland, O.
Stenman Elec. Valve Grinding Co., Inc. ("Steinman" for Automobile & Aeroplane Engines), 42 Southbridge, Worcester, Mass.
Syracuse Wrench Co., 325 W Fayette, Syracuse, N. Y.

**UNITED STATES ELECTRICAL TOOL CO.**, 549 W Washington Blvd, Chicago, Ill. *See adv index at end of book*

## 5658— Grinders (Vertical)

Badger Tool Co. ("Badger" Spindle), Beloit, Wis.
Blanchard Machine Co. ("Blanchard" Surface), Cambridge, Mass.
Diamond Machine Co. ("Diamond". Also with Polishing Drum), Providence, R. I.
Springfield Mfg. Co. (Planer Type), Bridgeport, Conn.

## 5659— Grinders (Wet Tool)

Blount J. G. Co., Everett, Mass.
Bridgeport Safety Emery Wheel Co., ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Clark Jas. Jr., Electric Co. (Electrically Driven), Louisville, Ky.
Cleveland Automatic Machine Co. ("Cleveland" Tool & Surface), Cleveland, O.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Harris Engineering Co. (Automatic Hob & Form Cutter), Bridgeport, Conn.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Hoppen J. E. & Sons, 78 Main, Belleville, N. J. *See adv index at end of book*
Hoysradt & Case, Kingston, N. Y.
Landis Tool Co., Waynesboro, Pa.
Lutter & Gies ("Milwaukee"), 258 Lake, Milwaukee, Wis.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Ransom Mfg. Co. (Belt or Motor Driven), Oshkosh, Wis.
Rockford Drilling Machine Co., Rockford, Ill.
Ryerson Jos. T. & Son, 910 Corn Exch bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Safety Emery Wheel Co., Springfield, O.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Springfield Mfg. Co. ("Brandes" Ball Bearing "Springfield," Double), Bridgeport, Conn.
Taylor & Fenn Co., Hartford, Conn.
Tucker Machine Co., 222 E 9th, Cincinnati, O.
Universal Grinding Mach. Co. ("Bath"), Fitchburg, Mass.
Valley City Machine Works (Also Dry Grinders), Grand Rapids, Mich.
Washburn Shops (Drill), Worcester, Mass.
Webster & Perks Tool Co., Springfield, O.
Wilmarth & Morman Co., 1151 Monroe av, N W, Grand Rapids, Mich.
Worcester Pattern & Model Co. ("Anderson"), Worcester, Mass.

## 5660-61—Grinders (Wood Pulp)

See also Paper & Pulp Mill Machinery

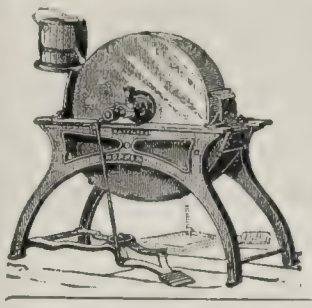
Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Appleton Machine Co. ("Success", Screening Girder), Appleton, Wis.
Bagley & Sewall Co., Watertown, N. Y.
Baker Mfg. Corp., Saratoga Springs, N. Y.
Brown A. & F. Co., 79 Barclay, New York
Holyoke Machine Co., Holyoke, Mass.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Mitts & Merrill, Saginaw, Mich.
Pusey & Jones Co., Wilmington, Del.
Scott Olin (Est. of), Bennington, Vt.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 5662—Grindstone Boxes & Frames

American Tool & Machine Co., 10 High, Boston, Mass.
Athol Machine Co. (Iron Frames), Athol, Mass.
Defiance Mach. Works (Iron), Defiance, O.
Cleveland Stone Co. (Grindstone Frames), 1836 Euclid av, Cleveland, O.

When writing to firms listed in this book please, mention HENDRICKS' COMMERCIAL RECISTER

Grabo E. O. Machine Works (Iron, also Motor Driven), 180 Centre, New York
Hoppen J. E. & Sons ("Hoppen"), 78 Main, Belleville, N. J.
*See adv index at end of book*


Belt, Foot and Hand Driven with Self-Oiling Bearings. Light and Heavy Fixtures.
E. HOPPEN & SONS
78 MAIN STREET
BELLEVILLE, N. J.

Oliver Machinery Co. ("Oliver", Frames Only), Grand Rapids, Mich.
Putnam Machine Co., Fitchburg, Mass.
Smith H. B. Machine Co. (Iron), Smithville, N. J.

## 5662a — Grinding & Pulverizing Works.

Apex Pulverizing Mills, Inc. (Minerals, Metals, etc.), 254 Eagle, Brooklyn, N. Y.

## 5663— Grindstone Fixtures

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Enterprise Hardware Mfg. Co., Frederick, Md.
Grey Iron Casting Co., Mt. Joy, Pa.
Hoppen J. E. & Sons (Arbors, Troughs), 78 Main, Belleville, N. J.
*See adv index at end of book*
Richards-Wilcox Mfg. Co. ("Richards" Ball Bearing), Aurora, Ill.
Sargent & Co., New Haven, Conn.
Stowell Co. The., South Wilwaukee, Wis.
Susquehanna Casting Co., Wrightsville, Pa.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Wrightsville Hdw. Co., Wrightsville, Pa.

## 5664—Grindstone Truing Device

Athol Machine Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
H. P. Co., 45 Fort, E, Detroit, Mich.
Hoppen J. E. & Sons ("Hoppen"), 78 Main, Belleville, N. J.
*See adv index at end of book*

## 5665— Grindstones

Cleveland Stone Co. ("Sterling," "Harvest King"), 1836 Euclid av, Cleveland, O.
Columbia Stone Co. (Loose & Mounted), Soc. for Sav. bldg, Cleveland, O.
Constitution Stone Co., Constitution, O.
Grabo E. O. Machine Works (Iron, Frame, also Motor Driven), 180 Centre, New York
Hoppen J. E. & Sons, 78 Main, Belleville, N. J. *See adv index at end of book*
Lombard & Co. (Nova Scotia), 236 A, Boston, Mass.
Marietta Stone Co. (For Saw & Edge Tools, Files, etc), Marietta, O.
Millers Falls Co. ("Star"), Millers Falls, Mass.
Morris E. K. & Co., 317 W 2d, Cincinnati, Ohio
Ohio Quarries Co. ("Buckeye"), Citizens bldg, Cleveland, O. Quarries & Mills: Amherst, O.
Oldham New York Saw Wks., Inc., 112 26th, Brooklyn, N. Y.
Pike Mfg. Co., Pike, N. H.
Richards-Wilcox Mfg. Co. ("Victor" & "King" Tubular Ball Bearing; also "Eli" Ball Bearing, "Climax" Wood Frame, "Cycle," "Velox" Steel Frame, Ball Bearing), Aurora, Ill.
Wallace Co., Port Austin, Mich.

## 5666— Grindstones (Kitchen)

Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Millers Falls Co. ("Star"), Millers Falls, Mass.

Richards-Wilcox Mfg. Co. ("Richards" Ball Bearing), Aurora, Ill.

## 5667— Grippers (Guy)

Channon Jas. H. Mfg. Co. ("Gibson's"), 227 W Erie, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 5667a— Grips (Bicycle)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co. (& Motorcycle Handle Bar, Wooden), South Bend, Ind.
*See adv index at end of book*

## 5668— Grips (Cable)

See also Comealongs

Hallett Iron Works ("McMahon"), Harvey, Ill.
Havens Harold A., Syracuse, N. Y.
Klein Mathias & Sons ("Quick Samson"), 3200 Belmont, Chicago, Ill.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Norris Electric Specialties Co. ("Gem"), 126 Liberty, New York
**ROEBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Universal Cable Grip Co. ("Universal," for Underground or Aerial Cables), Skaneateles, N. Y.
Western Elec. Co., 463 West, New York

## 5669— *Grips (Handle Bar)

Bogert & Hopper, Inc. (Bicycle & Motorcycle), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5670— Grips (Motorcycle)

Continental Rubber Works ("Continental-Erie" Reinforced with Steel, "Vitalic"), Erie, Pa.
Empire Fire & Rubber Corp., Trenton, N. J.
Pennsylvania Rubber Co., Jeannette, Pa.

## Grips (Nail)

See Claws & Grips, Nail

## 5671— Grips (Pipe)

Athol Machine Co. ("Standard"), Athol, Mass.
Lockhart R. James, 201 Millvale, Pittsburgh, Pa.
Prentiss Vise Co. ("Peerless"), 110 Lafayette, New York

## 5672—Grips (Socket Strain Relief)

Stewart F. H. Elec. Co., 37 N 7th, Philadelphia, Pa.
Swan Electric Co., 144 Oliver, Boston, Mass.
Trumbull Elec. Mfg. Co., Plainville, Conn.

## Grips (Stair)

See Fasteners, Grips & Buttons

## 5673-4—Grips (Steering Lever)

American Enamel Co., Neville, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Parker-Stearns & Co. ("Alpha," Rubber), 286 Sheffield av, Brooklyn, N. Y.

## Grips (Wire)

See Clamps, Lineman's Splicing

## 5675-6— Grit (Mica Quartz)

Mica Crystal Co., Concord, N. H.

## 5677— Grits (Hominy)

American Hominy Co., Indianapolis, Ind.
Durst Milling Co., Dayton, Ohio
Lafayette Corn Flour Mills, LaFayette, Ind.

GRITS (HOMINY)—continued

Lea Milling Co., Wilmington, Del.
Marco Mills, Pine Bluffs, Ark.
Nebraska Corn Mills, Lincoln, Neb.
Walthen Milling Co., Louisville, Ky.

## 5678—Grommet Inserting Dies & Cutters

Neptune Hardware Mfg. Co., 29 Murray New York
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 5679— Grommets (Metal)

American Ring Co., Waterbury, Conn.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Berbecker Stamping & Mfg. Co. (Bedstead), 6120 Clark av S W, Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Laughlin, Thos. Co. ("Brass"), Portland, Me.
Midwest Brass & Copper Co., Inc., 480 Broome, New York.
*See adv index at end of book*
Neptune Hardware Mfg. Co., 29 Murray, New York
Ohio Nut & Bolt Co., Berea, O.
Rimmon Eyelet Co., Seymour, Conn.
**SCOVILL MFG. CO.** (To Order Only), Waterbury, Conn.
*See adv index at end of book*
Stimpson Edwin B. Co. (Brass), 68 Franklin av, Brooklyn, N. Y.
Waterbury Brass Goods Corp., Waterbury, Conn.
**WATERBURY BUTTON CORP.**, Waterbury, Conn. *See adv index at end of book*
Waterbury Mfg. Co., Waterbury, Conn.
Wilcox, Crittenden & Co., Inc. (Brass), Middletown, Conn.
*See adv index at end of book*

## 5679a—Groomers (Live Stock Vacuum)

Kent Vacuum Cleaner Co. ("Kent"), Rome, N. Y.

## 5680— Groovers (Belt)

Manufacturers' Belt Hook Co. ("L X"), 1321 W Congress, Chicago, Ill.

## 5681—Groovers (Sheet Metal)

Barber Mfg. Co., Ashtabula, O.
Crescent Novelty Mfg. Co. (Carriage, Sidewalk, Adjustable Side & Center Plate), 703 S B'way, St. Louis, Mo.

## 5681a—*Ground Throw Stands

Easton Car & Construction Co., 198 Fulton, New York.
*See adv index at end of book*

## 5682—*Ground Wire Clamps (Telephone Wires)

**DIAMOND EXPANSION BOLT CO.**, 89 West, New York
*See adv index at end of book*

## 5682a— Grounding Devices

Arrow Conductor & Mfg. Co., 1536 W Adams, Chicago, Ill.
Buin Boston Battery & Mfg. Works, 134 State, Boston, Mass.
Cope T. J. (Attaching Plates), 1620 Chancellor, Phila., Pa.
Dossert & Co., 242 W 41st, New York
Fairmount Electric & Mfg. Co., 59th & Woodland, Phila., Pa.
Fargo Mfg. Co., Poughkeepsie, N. Y.
Federal Sign System (Cartridge Ground Plates), 8700 S State, Chicago, Ill.
Hickey & Schneider (Insulator), 61 B'way, New York
Horne Mfg. Co., 4 College pl., Brooklyn, N. Y
Paragon Electric Co. (Ground), 9 S Clinton, Chicago, Ill.
Shaw Insulator Co., 5 Kirk pl, Newark, N. J.

## 5683— Guaiacol

Hoffmann-La Roche Chemical Works, 440 Washington, N. Y.

Lyon Julian W. (Imp), 101 Beekman, New York
Merck & Co. (Also Carbonate), 45 Park pl., New York.

## 5684—Guard Rail Brace & Tie Plate (Combined)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*
Ramapo Iron Works ("Ramapo"), Hillburn, N. Y.

## Guards (Belt)

See Guards & Safety Devices Machinery

## 5685— Guards (Burner)

Knight Maurice A., Akron, O.

## 5686—Guards (Cattle, for Railways)

American Bridge Co., 30 Church, New York
Century Materials Co. ("Century" All Steel), Monadnock blk, Chicago, Ill.
Columbian Mail Crane Co. ("Columbian" Steel), Columbus, O.
Cook Standard Tool Co. ("Cook's" Steel), Kalamazoo, Mich.
Fairbanks, Morse & Co. ("Sheffield"), 900 S Wabash av, Chicago, Ill.
Fairbanks, Morse & Co., Three Rivers, Mich.
Fox Bros. & Co., 126 Lafayette, New York
Kalamazoo Railway Supply Co. ("Perfect," Steel Surface & "Oaken," Wood Surface), Kalamazoo, Mich.
National Surface Guard Co. ("National" Metal), 343 S Dearborn, Chicago, Ill.
Shane Furnace & Metal Appliance Co., W Warren av & S Delaware, Denver, Colo.
Universal Railway Supply Co., 122 S Michigan av, Chicago, Ill.

## Guards (Concrete Curb)

See Concrete Curb, Steel Bound

## 5687— Guards (Door)

Anchor Post & Iron Works, 167 B'way, New York *See adv index at end of book*
Brasco Mfg. Co. (Brass), 1451 S Michigan av, Chicago, Ill.
Champion Hardware Co. ("Champion"), Geneva, Ohio
Christianson L., 254 Broad, Lynn, Mass.
Colonial Fireplace Co., 4631 W 12th, Chicago, Ill.
**COLUMBUS BRASS CO.**, 538 Dublin av, Columbus, O. *See adv index at end of book*
Columbus Structural Steel Co. (Wrought & Iron), Columbus, O.
Hester Mfg. Co. (Brass), 1455 S Michigan av, Chicago, Ill.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
Southern Wire & Iron Wks. (Burglar Proof Windows & Doors), Atlanta, Ga.
Stolz, Jos. & Son, Inc., 841 E 136th, New York.

## 5688— *Guards (Dust)

Continental Fibre Co. (Fibre for Journal Boxes, Bearings, etc), Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*

## Guards (Electric Lamp)

See Lamp Guards

## 5689—Guards (Emery Wheel)

Barcy-Nicholson Co. ("Universal"), 837 W Fort, Detroit, Mich.
Challenge Machine Co., 5116 Springfield av, Phila., Pa.
Challoner Co., Oshkosh, Wis.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.
Ransom Mfg. Co., Oshkosh, Wis.
Woods-Sherwood Co. (Adjustable, etc), Worcester, Mass.

## 5690— Guards (Extractor)

Utica Novelty & Mill Specialty Co., Utica, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 5690a—Guards (Flower Bed)

Page Steel & Wire Co., Adrian, Mich.

## 5691— Guards (Foot)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*
Economy Separable Switch Point Co. ("Economy," Pressed Steel, for Frogs, Switches, etc), Louisville, Ky.
Track Specialties Co., 29 B'way, New York
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

## 5692— Guards (Gear)

Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
**HELTZEL STEEL FORM & IRON CO.**, Warren, O.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cinncinnati, O.
Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.
Stolz, Jos. & Son, Inc., 841 E 136th, New York.

## 5693— Guards (Grain Lifter)

Blocki F. Co., Sheboygan, Wis.
Eckhardt Mfg. Co. ("Buffalo"), 2300 University av W, St. Paul, Minn.
Franzmeier Louis, Timothy, Wis.
Gaterman Mfg. Co. (For Binders & Mowers), Manitowoc, Wis.
Hamachek Frank ("Ideal"), Kewaunee, Wis.
Hirsch Bros., 267 Reed, Milwaukee, Wis.
Noll Bros., 849 Allis, Milwaukee, Wis.
Seidl-Best Mower & Harvester Guard Co., Milwaukee, Wis.

## 5694— Guards (Hub)

Lanz M. & Sons (For Telegraph Poles), 2907 Carson, Pittsburgh, Pa.

## 5695— *Guards (Jointer)

Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.

## 5696— Guards (Key Hole)

Schroder J. B. & Co. ("Schroder"), 133 E 5th, Cincinnati, O.

## 5697— Guards (Manhole)

Bissell F. Co. ("Security"), Toledo, O.
Hallett Iron Works ("Hallett"), Harvey, Ill.
Steelite Co., 1902 W 77th, Cleveland, O.
Universal Cable Grip Co., Skaneateles, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 5698—Guards (Motor Cycle Chain & Sprocket)

**GUEDER, PAESCHKE & FREY CO.** (Stamped), 1314-1700 St. Paul av, Milwaukee, Wis.
*See adv index at end of book*

## 5699—Guards (Mower & Reaper)

Gaterman Mfg. Co., Manitowoc, Wis.
Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.

## 5700— Guards (Mud)

For Bicycles, Motorcycles, etc

Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
McKinney Jas. & Son, Albany, N. Y.
Standard Parts Co. (Bicycle & Motorcycle Steel), Cleveland, O.

## 5701—Guards (Nose, Football)

Goodrich B. F. Co. (Rubber), Akron, O.

## Guards (Portable Lamp)

See Lamp Guards

## 5702— Guards (Safety Car)

McGuire-Cummings Mfg. Co. (Coil Spring Safety Guards Used Between Cars), Harris Trust & Savings bldg, Chicago, Ill.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Tyler W. S. Co., Cleveland, O.
*See adv index at end of book*

## 5703— Guards (Saw)

Atlas Mfg Co., Orlando, Fla.
Bass Bros. & Shaper (Ceiling Suspended Wire Hood Circular), 82 Walker, New York.
Champion Machinery Co. ("Champion" Automatic Flexible), Joliet, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Huther Bros. Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Northern Machin'y Co., 503 S 6th, Minneapolis, Minn.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Porter C. O. Machinery Co., Grand Rapids, Mich. *See adv index at end of book*
Seruty Guard Co., 62 E Lake, Chicago, Ill.
Zeiller & Nagel ("Wire Hood" for Circular Saws), 233 Java, Brooklyn, N. Y.

## 5704— Guards (Shaper)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Huther Bros Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lockhart-Hodge Co., Inc., White bldg., Buffalo, N. Y.
Racine Tool & Machine Co. (For Wood Shapers), Racine, Wis.
Zeiller & Nagel ("Simplex"), 233 Java, Brooklyn, N. Y.

## 5704a— Guards (Skylight)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Cyclone Fence Co., Waukegon, Ill.
Estey Wire Works Co., 34 Cliff, New York
Meyers Fred J. Mfg. Co., Hamilton, O.
***See adv index at end of book***
Racine Tool & Machine Co. (For Woodshapers), Racine, Wis.
Steelite Co., 1902 W. 77th, Cleveland, O.

## 5704b— *Guards (Tree)

See also Iron Railings & Fences; also Wire Fences & Gates
Page Steel & Wire Co., Adrian, Mich.

## 5705— Guards (Trolley)

Automatic Trolley Guard Co., 65 Carroll, Buffalo, N. Y.
National Railroad Trolley Guard Co., Olean, N. Y.
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*

## 5706—Guards (Wheel or Corner)

(For Protecting Walls from Wagon Wheels)
Auer John Jr. (Wrought Iron), 197 Middleton, Brooklyn, N. Y.
Canton Foundry & Machine Co. (Cast Iron for Buildings), Canton, O.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co., 90 West, New York
Donley Bros. Co., 3625 E 74th, Cleveland, O. *See adv index at end of book*
Kramer Bros. Foundry Co., Dayton, O.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Smith A. L. Iron Wks., Chelsea, Mass.
Smith F. P. Wire & Iron Works, 2346-48 Clybourn av, Chicago, Ill.
***See adv index at end of book***
Stolz, Jos. & Son, Inc., 841 E 136th, New York.
Withers Foundry & Machine Works, Atlanta, Ga.

## Guards (Window)

See Grilles, Various Kinds

## 5707—Guards (Wire Machine)

Cincinnati Mfg. Co., Cincinnati, O.
Deschauer Wire & Iron Wks., 2009 Larrabee, Chicago, Ill.
**KOENIG, EDWARD L.,** La Salle nr. Lake, Chicago, Ill. *See adv index at end of book*
Norwich Wire Works, Norwich, N. Y.
Smith A. L. Iron Wks., Chelsea, Mass.
Smith F. P. Wire & Iron Works, 2346-48 Clybourn av, Chicago, Ill.
***See adv index at end of book***
Steelite Co., 1902 W 77th, Cleveland, O.
Stolz, Jos. & Son, Inc., 841 E 136th, New York.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 5708—Guards & Safety Devices (Machinery)

(Attachments for Preventing Accidents to Workmen)
Acme Guard Co. ("Jones"), 150 Nassau, New York
Anchor Post & Iron Works, 167 B'way, New York *See adv index at end of book*
Aykroyd Iron Works Inc. (Guards), 564 W Boylston, Worcester, Mass.
Bastian-Blessing Co. (Oxy-Acetylene Regulator), 125 W Austin av, Chicago, Ill.
**BUFFALO WIRE WORKS CO.,** 453 Terrace, Buffalo, N. Y.
***See adv index at end of book***
Chapman Wm. O. Co., 30 Church, New York
Clark Paper Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Colonial Supply Co., 414 1st av, Pittsburgh, Pa.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Corbin Cabinet Lock Co. (Safety Press Guards), New Britain, Conn.
Davidoff J. (Safety Guards for Typesetting Machines), 733 Lafayette av, Brooklyn, N. Y.
Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*
**GEUDER, PAESCHKE & FREY CO.** ("Cream City" Attachment for preventing accidents on Presses, Punches, etc), 1314-1700 St. Paul av, Milwaukee, Wis. *See adv index at end of book*
G. M. J. Mfg. Co. (Automatic Coal Handling Devices for Use in Mine), Apollo bldg., Pittsburgh, Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Holzer, R. G. (Est of), 317 Burgundy, New Orleans, La.
Lock H. A. Co. (Guards), 243 44th, B'klyn, N. Y.
Lockhart-Hodge Co., Inc. ("Jones" Safety Guard for Preventing Accidents on Wood Working Machinery), 12 Waverly, Buffalo, N. Y.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
**NAZARETH FOUNDRY & MACHINE CO.,** Nazareth, Pa. & 106 Front, New York.
Norwich Wire Works, Norwich, N. Y.
Page Steel & Wire Co., Adrian, Mich.
Prentice G. E. Mfg. Co., New Britain, Conn.
Ready Tool Co. ("Safety Belt Stick"), Bridgeport, Conn.
Smith A. L. Iron Works, Chelsea, Mass.
Vaile & Young, Ridgely & Bush, Baltimore, Md.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 5708a—*Guards & Safety Devices (for Perforated Metal)

Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*

## 5709— Gudgeons

Alloy Steel Forging Co., Carnegie, Pa.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.

## 5710— Guides (Belt)

Maytag Co., Newton, Ia.

## 5711— Guides (Cloth Dryer)

Schwartz L. H. A. & Co. (Automatic), 40 Central, Boston, Mass.

## 5712— Guides (Elevator)

Standard Gauge Steel Co. (Compressed Steel & Finished Tees), Beaver Falls, Pa.

## 5713— Guides (Lever)

Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.

## 5714— Guides (Saw)

American Sawmill Machinery Co. ("American"), Hackettstown, N. J.
American Wood Working Machy. Co., Rochester, N. Y.
Atkins E. C. & Co., Indianapolis, Ind.
Automatic Saw Guide & Mach. Co., Irwin, Pa.
Baldwin, Tuthill & Bolton (For Band Saws), Grand Rapids, Mich.
**BARNES W. O. CO.** (Adjustable Metal Brand Saw), Detroit, Mich.
*See adv index at end of book*
Crescent Machine Co. (Circular), Leetonia, O.
Disston Henry & Sons (Inc.) (Saw Filing), Tacony, Phila., Pa.
Filer & Stowell Co., Milwaukee, Wis.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Lane Mfg. Co., Montpelier, Vt.
Murray D. J. Mfg. Co., Wausau, Wis.
New Britain Machine Co. ("Pineo" Band Saw), 190 Chestnut, New Britain, Conn.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Overholt Co., Galesburg, Ill.
Reed Hardware & Mfg. Co. ("Hoo-Hoo"), Cairo, Ill.
Root B. M. Co., York, Pa.
Salem Iron Works, Winston-Salem, N. C.
**SIMONDS MFG. CO.,** Fitchburg, Mass.
***See adv index at end of book***
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Union Drawn Steel Co., Beaver Falls, Pa.
Union Iron Works, Bangor, Me.

## 5715— Guides (Tank Valve)

Wolverine Brass Works (Adjustable), Grand Rapids, Mich.

## 5716— Guides (Wire Mill)

Pittsburgh Iron & Steel Foundries, Midland, Pa.

## 5717—Gum Arabic Importers

Amerman & Patterson, 21 State, New York
**Anderson P. E. & Co., 99 John, New York**
Arnold, Cheney & Co., 82 Beaver, New York
Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Behrend F., Inc., 170 Front, New York.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Jacob Chas. W. & Allison, 18 Cedar, New York
Lathrop H. R. & Co., 116 Beekman, New York
Morning Star, Chas. & Co., Inc., 349 Broadway, New York.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York.
Orbis Products Trading Co., Inc., 212 Pearl, New York
Salomon L. A. & Bro., 216 Pearl, New York
**SCHEEL, WM. H.,** 159 Maiden la, New York *See adv index at end of book*
Strahl & Pitsch, 141 Front, New York
Thurston & Braidich, 27 Cliff, New York
Wolf Jacques & Co., Passaic, N. J.
Worden Chemical Works, 4 Cedar, New York

## 5717a— Gum (Artificial)

Natl. Gum & Mica Co., 59th & 11th av, New York

## 5717b— Gum (Benzoin)

Cooper Chas. & Co., 194 Worth, New York

## 5717c— Gum (Congo)

Gillespie L. G. & Sons, 67 Fletcher, New York
Innes & Co., 132 Front, New York
Scheel Wm. H., 159 Maiden la, New York
*See adv index at end of book*
Winterbourne S. & Co., 94 Pine, New York

## Gum (Copal)

See Gum Varnish

## 5717d— Gum (Elemi)

Cooper Chas. & Co., 194 Worth, New York
Scheel Wm. H., 159 Maiden la, New York
*See adv index at end of book*

## 5718— Gum (Envelope)

Behrend F., 170 Front, New York
Bloede Victor G. Co., Caton av, Baltimore, Md.
Glover Horatio N. & Son, Mattapan, Boston, Mass.

## 5718a— Gum (Ester)

Meyer J. & Sons, Phila., Pa.
Scheel Wm. H., 159 Maiden la, New York
*See adv index at end of book*

## 5719— Gum (Finishing)

General Adhesive Mfg. Co., Inc., (For Textiles, "Dragon"), 469 Greenwich, New York
Leyland Thos. & Co., Readville, Boston, Mass.
Wolf Jacques & Co., Passaic, N. J.

## 5719a— Gum (Ghatti)

Natl. Aniline & Chem. Co., 21 Burling slip, New York

## 5719b— Gum (Karaya)

Natl. Aniline & Chem. Co., 21 Burling slip, New York
Scheel Wm. H., 159 Maiden la, New York
*See adv index at end of book*
Wolf Jacques & Co., 369 Harrison

## 5719c— Gum (Manila)

Meyer J. & Sons (Imp.), Phila., Pa.

## 5719d— Gum (Mastic)

Cooper Chas. & Co., 194 Worth, New York

## 5719e— Gum (Pontinak)

Klipstein A. & Co., 644 Greenwich, New York
Meyer J. & Sons (Imp.), Phila., Pa.

## 5719f— Gum (Sandarac)

Cooper Chas. & Co., 194 Worth, New York

## 5719g— Gum (Senegal)

Meyer J. & Sons (Imp.), Phila., Pa.
Natl. Aniline & Chem. Co., 21 Burling slip, New York

## 5720—Gum (Splicing, Pure Rubber)

Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Consumers Rubber Co. ("Samson"), 829 Superior av, Cleveland, O.
Standard Woven Fabric Co., Walpole, Mass.

## 5721— Gum Substitutes

Glover Horatio N. & Son, Mattapan, Boston, Mass.
Wolf Jacques & Co., Passaic, N. J.

## 5721a— Gum (Tragacanth)

Arabol Mfg. Co., 100 William, New York
Arnold, Hoffman & Co., 56 Canal, Providence, R. I.
Barrett M. L. & Co., 233 W Lake, Chicago, Ill.
Bredt F. & Co., 240 Water, New York
Cooper Chas. & Co., 194 Worth, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Klipstein A. & Co., 644 Greenwich, New York
Morningstar, Chas. & Co., Inc., 349 Broadway, New York
*See adv index at end of book*
Natl. Aniline & Chem. Co., 21 Burling slip, New York
Nat'l. Gum & Mica Co., 59th & 11th av, New York
**SCHEEL, WM. H.,** 159 Maiden la, New York *See adv index at end of book*
Thurston & Braidich, 27 Cliff, New York
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

## 5722— Gum-Lac

Ball Chemical Co. (A Pure Gum & Spirit Varnish), Fulton bldg, Pittsburgh, Pa.

## 5723— Gummers (Saw)

Adams W. T. Machine Co., Corinth, Miss.
Ajax Mfg. Co. ("Standard," "I X L"), 848 Jackson, Pittsburgh, Pa.
Amer. Woodworking Mach. Co., Rochester, N. Y.
Atkins E. C. & Co., Indianapolis, Ind.
California Saw Works, 731 Brennan, San Francisco, Cal.
Challoner Co., Oshkosh, Wis.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Covel Mfg. Co., Benton Harbor, Mich.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Disston Henry & Sons ("Victor" Self-Feeding, etc), Tacony, Phila., Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Fisher & Davis Mfg. Co., St. Louis, Mo.
Gerlach Peter Co., ("Gerlach," for Cylinder, Resaw, Heading, Siding, Shingle, Veneer, etc), 1712 Winter, Cleveland, O.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Hinds Thos. Co. (Band Saws), Malone, N. Y.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Mixter J. W. Saw Tool Co., ("Mixter Champion," with Automatic Self-Feed), Plymouth, Mass.
Reed Hardware & Mfg. Co. (The Hoo-Hoo Saw Gummer & Sharpener), Cairo,, Ill.
Riverside Machine Works (Crescent), Kokomo, Ind.
Rogers Samuel C. & Co., 10 Lock, Buffalo, N. Y.
Southern Saw Works, East Point, Ga.
Tanite Co. ("Densmore"), Stroudsburg, Pa.
Valley City Machine Works (Bench & Saw), Grand Rapids, Mich.

## 5723a— *Gums

American Trading Co., 25 Broad, New York.
Hartman-Pacific Co., Inc. (Varnish, Chemical & Drug), 80 Wall, New York

## 5723b— *Gun Cotton

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 5723c—*Gun Cotton Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 5724-5-6—Gun Fire Control System

Sperry Gyroscope Co., 40 Flatbush av extension, Brooklyn, N. Y.

## Gun Implements

See Tools, Gun Cleaning & Re-Loading

## Gun Mfrs.

See Rifles, Guns, etc

## 5727—Gun Recoil Pads (Rubber)

Chamberlin Cartridge & Target Co., 514 Prospect av, Cleveland, O.
Goodrich B. F. Co., Akron, O.

## 5728— Guns (Aeroplane)

General Ordnance Co., Derby, Conn.
Maxim Munitions Corpn., Equitable bldg, New York

## 5729— Guns (Cement)

Cement Gun Co., Allentown, Pa.
Cement Gun Construction Co., 914 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Klingberg W. & Son, 50 Church, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
New England Cement Gun Co., 12 West, Boston, Mass.

## Guns (Grease)

See Oil & Grease, Guns & Syringes

## 5730— Guns (Insect)

Feeny Mfg. Co. (Dust), Muncie, Ind.
Houchin Thos. W. Co. ("Houchin," "Blizzard," "Jumbo," "Tornado," "Lightning," "Defender," "Cyclone," "Floradora"), 36 E 12th, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Star Brass Works, 3129 Carroll av, Chicago, Ill. *See adv index at end of book*

## 5731—Guns (Line Throwing)

**AMERICAN STANDARD SHIP FITTINGS CORP.,** 115 B'way, New York
*See adv index at end of book*
Coston Signal Co. ("Coston" Lyle System), 24 Water, New York
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*

## Guns (Machine)

See Ordnance, Light & Heavy

## 5731a— *Guns (Spray)

Myers F. E. & Bro. ("Myers"), 900 4th, Ashland, Ohio
*See adv index at end of book*

## 5731b— *Guns (Toy)

Bogert & Hopper Inc. (Wooden), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Markham Air Rifle Co., Plymouth, Mich.

## Guns (Yacht)

See Cannon, Yacht

## 5732— Gutta Percha

Aldens' Successors (Ltd.), 290 B'way, New York
Bishop Gutta Percha Co. (Tissue), 420 E 25th, New York.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 5733— Gypsum Mfrs.

See also Plaster Manufacturers, Wall
Acme Cement Plaster Co., Frisco bldg, St. Louis, Mo.
American Gypsum Co. (Crude & Crushed for Cement), Rochester, N. Y.
Arizona Gypsum Plaster Co., Douglas, Ariz.
Cardiff Gypsum Plaster Co., Fort Dodge, Ia.
Consolidated Pacific Cement Plaster Co., Amboy, Cal.
Grand Rapids Plaster Co., Grand Rapids, Mich.
Harshaw, Fuller & Goodwin Co., Elec. Bldg., Cleveland, O.
Keystone Plaster Co., Chester, Pa.
Lycoming Calcining Co., Williamsport, Pa.
Niagara Gypsum Co., Buffalo, N. Y.
Pacific Coast Gypsum Co., Tacoma, Wash.
Pacific Portland Cement Co., Cons'd Pacific bldg, San Francisco, Cal.
Plymouth Gypsum Co., Fort Dodge, Ia.
Colorado Portland Cement Co., Denver, Colo.
Southern Gypsum Co., North Holston, Va.
United States Gypsum Co., 205 W Monroe, Chicago, Ill.

## 5734-5— Gyrators

Wolf Co., Chambersburg, Pa.

## Hack Saws

See Saw Blades & Frames, Hack, also Hack Saw Machines

## 5736— Hair (Badger)

Topper & Edelmann, 525 Stone av, Brooklyn, N. Y.

## 5736a— *Hair Brushes

See also Brushes (Hat, Cloth & Hair)

Leominster Shell Goods Mfg. Co. (Celluloid), Leominster, Mass.
Schimper Wm. & Co., 322-338 Ferry, Hoboken, N. J. & 33 Union sq. West, New York *See adv index at end of book*

## 5737— Hair (Cattle)

Caplan S. & Co., 80 Pine, New York
Grover John D. & Son, Somerset & Tulip, Philadelphia, Pa.
Harburger & Stack, 27 Ferry, New York
Hartman Bros., Inc., 641 Atlantic av, Boston, Mass.
Ritchie Geo. B. & Co. (Imp), 57 Ferry, New York

## 5738— Hair Cloth Mfrs.

American Hair Cloth Co., Pawtucket, R. I.
Cox Geo. S. & Bro., Cambria & Ornes, Phila., Pa.
Davidson M. I. Co., 1100 Shackamaxon, Phila., Pa.
Feldstein Chas. H. Co., 1839 Madison, Phila., Pa.
Gordon Bros., Pierce & Orthodox, Phila., Pa.
Kensington Hair Cloth Co., Palethorp & Somerset, Phila., Pa.
Mawson Jno. Haircloth Co., Venango, E of Kensington, Phila., Pa.
Michle Andrew Y., 5th & Columbia, Phila., Pa.
Minaret Mills, Cambria & Ormes, Phil., Pa.
National Hair Cloth Co., 2950 N Jasper, Phila., Pa.
Niagara Falls Hair Cloth Works, Niagara Falls, N. Y.
Reetz Ewald R., Hulmeville, Pa.
Schadewald Mills, 3d & Huntington, Phila., Pa.
Scheiter Jos. J. & Co., 3d & Huntington, Phila., Pa.
Schwehms' John M. Sons, 13 Wister, Phila., Pa.
Western Hair Cloth Co., 3109 S Robinson, Chicago, Ill.

## 5739— Hair (Curled)

American Glue Co., 121 Beverly, Boston Mass.
Armour Curled Hair & Felt Works, 3131 Benson, Chicago, Ill.
Barker Jas., 6th & Cayuga, Phila., Pa.
Blehdon V. R., Brisbane bldg, Buffalo, N. Y.
Coghlan Jos. T., Drexel bldg, Phila., Pa.
Cudahy Packing Co., 111 W Monroe, Chicago, Ill.
Delany & Co., 209 N 3d, Phila., Pa.
Gem Hammock & Fly Net Co., 326 Florida Milwaukee, Wis.
Gordon Bros., Pierce & Orthodox, Phila., Pa.
Grover J. D. & Son, Somerset & Tulip, Philadelphia, Pa.
Horwich, Vitkin Co. (Catte Hair), 2301 S Paulina, Chicago, Ill.
Mitchell P. R. Co., Harrison & Spring Grove av, Cincinnati, O.
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Reardon Glue Mfg. Co., 2nd & Clinton, St. Louis, Mo.
Smith Oscar & Sons Co., 310 Spruce, Phila., Pa.
Snell Chas W. Co., 321 So. Jefferson, Chicago, Ill.
Swift & Co., Union Stock Yards, Chicago, Ill.
Tunnell F. W. & Co., 15 N 5th, Phila., Pa.
Walpert Fred & Co. (Steam), Taylor & B & O. R. R., Baltimore, Md.
Wilkens Wm. Co. Frederick av & Wilkens, Baltimore, Md.
Wilson & Co., 41 st & Ashland av, Chicago, Ill.
Woll F. P. & Co., Church & Tacony, Phila., Pa.
Woll Peter & Sons Mfg. Co., Mascher & Berks, Phila., Pa.
Zeidman Co., 3109 S Robinson, Chicago, Ill

## 5740—Hair Dryers (Electric)

Arnold Electric Co., Racine, Wis.
Birtman C. F., 163 N Wabash, Chicago, Ill.
Birtman Electric Co. ("Bee"), Lake & Desplaines, Chicago, Ill.
Camp Co. ("Invincible"), La Crosse, Wis.
Electric Mfg. Co., 59 New Montgomery, San Francisco, Cal.
Geier P. A. Co. ("Royal"), Cleveland, O.
Halliwell & Co. ("Halliwell" All Electric Also Gas & Electric), 64 E 12th, New York.
Hamilton-Beach Mfg. Co. ("Hamilton Beach"), Racine, Wis.
Horn Electric Co., 110 S Desplaines, Chicago, Ill.
Lindstrom Smith Co. ("White Cross"), 3212 W Lake, Chicago, Ill.
Meyer Wm. Co., 1644 Girard, Chicago, Ill.
Russell Elect. Co. ("Hold-Heet"), 140 W Austin, Chicago, Ill.
Sanax Co. ("Foen"), 143 E 23rd, New York
Shelton Electric Co., 30 E 42d, New York
Wisconsin Electric Co. ("Dumore"), 1600 Junction av, Racine, Wis.
*See adv index at end of book*

## 5741— Hair (Goat)

Caplan S. & Co., 80 Pine, New York
Eaton, Schleich & Woll (Imp), 97 Maiden la, New York
Goldstone Joseph, 335 B'way, New York
Hamburger H. (Imp.), 86 John, New York
Norden A. & Co. (Imp), 60 Beaver, New York
Polack Co. (Imp), 249 Pearl, New York
Ritchie Geo. B. & Co. (Imp), 57 Ferry, New York

## 5742— Hair (Horse)

Apelt Hermann (Imp.), 76 Wall, New York
Caplan S. & Co., 80 Pine, New York
Cone Fred H. & Co. (Imp.), 181 Front, New York
Eaton, Schleich & Woll, 97 Maiden la, New York
Fearon Brown Co. (Imp.), 96 Wall, New York.
Goldstone Joseph, 335 Broadway, New York
Harburger & Stack, 27 Ferry, New York
Hartman Bros., Inc. (Imp.), 641 Atlantic av, Boston, Mass.
Hamburger H. (Imp.), 86 John, New York
Horwich, Vitkin Co., 2301 S Paulina, Chicago, Ill.
Klebansky Wolf, 246 S 3d, Phila., Pa.
Norden A. & Co. (Imp), 60 Beaver, New York
Nositzer Barnet (Imp), 307 Pearl, New York
Polack Co. (Imp), 249 Pearl, New York
Ritchie Geo. B. & Co. (Imp), 57 Ferry, New York
Rosenhirsch H. Co., 10 Goddard, Providence, R. I.
Schenkler Philip, 2060 Bergen, Brooklyn, N. Y.
Topper & Edelmann, 525 Stone av, Brooklyn, N. Y.
Willcomb Geo. Co. ("South American"), 60 Chardon, Boston, Mass.

## 5743— Halters

Alexandria Halter Factory (Rope, Leather & Web), Alexandria, O.
Badger Handle Co., 323 E Water, S. Milwaukee, Wis.
Buffalo Weaving & Belting Co. (Web), Buffalo, N. Y.
California Tanning Co. (Leather), 1905 Shenandoah av, St. Louis, Mo.
Cooper Otway (Rope), Urbana, O.
Covert Mfg. Co. (Rope & Web), Troy N. Y.
Covert Saddlery Works (Rope, Web & Leather), Interlaken, N. Y.
Excelsior Bag & Mfg. Co. (Horse's Feed Bag), Troy, N. Y.
Franklin Cotton Mill Co. (Web), Plum & Charles, Cincinnati, O.
Gem Hammock & Fly Net Co. (Leather) 326 Florida, Milwaukee, Wis.
Graton & Knight Mfg. Co. (Leather), Worcester, Mass.
Green Halter Co., Urbana, O.
Holyoke Halter Mfg. Co. (Leather), Holyoke, Mass.
Langstroth T. W., 79 Warren, New York
National Leather Mfg. Co. (Leather), Niles, Mich.
Nott W. S. Co. (Leather), 2d av N & 3a, Minneapolis, Minn.
Planet Co. (Web), Westfield, Mass.
Rose P. & Sons, 9 S Howard, Baltimore, Md.
Rugg E. T. & Co. (Leather, Rope & Web), Newark, O.
Russell Mfg. Co. (Web), Middletown, Conn.
Schenkler Philip, 2060 Bergen, Brooklyn, N. Y.
Sells J. H. & F. A. Co. (Rope & Leather), Chestnut & Pearl, Columbus, O.
Western Rawhide & Belting Co. (Leather), 600 So Pierce, Milwaukee, Wis.
Workman H. B. Co. (Web), Lititz, Pa.

## 5744—Hames (Hard Rubber Covered)

Rubber & Celluloid Product Trimming Co., 56 Ferry, Newark, N. J.

## 5745—Hames (Mine & Lumbering)

Beagle Hame Works, Freeland, Pa.
Fleming J. R & Son Co., Scranton, Pa.
Hoch Hames Co., Hazelton, Pa.
Kugler Clarence B. Jr. & Co., Land Title bldg, Phila., Pa.
Olewine Wm. & Son, Hazelton, Pa.
Pittsburgh Harness Supply Co., 325 Penn av, Pittsburgh, Pa.
U. S. Hame Co., Buffalo, N. Y.

## 5746—Hames (Steel & Wood)

American Hame & Bit Co., 59 N J R R av, Newark, N. J.
Bellefontaine Hame Co., Bellefontaine, O.
Berry Chas. E. (Steel), Somerville, Mass.
Easterbrook Wm. Jr. & Bro. (Metal), 311 Cherry, Phila., Pa.
Elbel Co. (Hand Forged Steel), Canton, O.
Frazer & Jones Co. ("Staple Brand" Steel Only), Syracuse, N. Y.
Hale Geo. C. (Steel), Kansas City, Mo.
Kelsay Newton (Wood), Evansville, Ind.
Nixdorff-Krein Mfg. Co. (Wood), 900 Howard, St. Louis, Mo.
Sargeant Mfg. Co. (Steel), 79 Summit, Newark, N. J.
Sherman Hame Co. (Wood), Sherman, Tex.
Smith F. H. Mfg. Co. (Steel), 3047 Carroll av, Chicago, Ill.
Star Hame Mfg. Co. (Wood, Iron Trimmed), Blanchester, O.
U. S. Hame Co. (All Kinds of Steel & Wood, Coach & Gig), Buffalo, N. Y.

## Hammers (Air)

See Pneumatic Hammers, various kinds

## Hammers (Automobile)

See Hammers, Machinists

## 5747— Hammers (Belt)

Manufacturers' Belt Hook Co. ("L X"), 1321 W Congress, Chicago, Ill.

## 5748—Hammers (Belt)

See also Hammers, Power

**BEAUDRY & CO., INC.,** 45 Bromfield, Boston, Mass.
*See adv index at end of book*
Bradley C. C. & Son, Syracuse, N. Y.
*See adv index at end of book*
High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
United Hammer Co. ("Fairbanks"), 45 Bromfield, Boston, Mass.

## 5749—Hammers (Bench Drop)

Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.

## Hammers (Blacksmiths')

See Hammers, Heavy

## 5750—*Hammers (Blacksmiths', Foot Power)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 5751—Hammers (Board Drop)

**BLISS E. W. CO.,** 19 Adams, B'klyn, N. Y.
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**Chambersburg Engineering Co., Chambersburg, Pa.**
**Garrison A. Fdry. Co., 901 Bingham, Pittsburgh, Pa.**
**United Engineering & Fdry. Co. ("Pittsburg"), Keenan Bldg, Pittsburgh, Pa.**
**Williams White & Co. (Friction), Moline, Ill.**

## Hammers (Boiler Makers')

See Hammers, Heavy

**Also Pneumatic Boiler Makers' Hammers**

## 5752— Hammers (Brass)

**Goodell-Pratt Co., Greenfield, Mass.**

## Hammers (Bricklayers')

**See Hammers, Masons' & Bricklayers'**

## Hammers (Bush)

**See Hammers, Stone Cutters'**

## 5753—Hammers (Carpet Layers')

**Braunsdorf-Mueller Co., Elizabeth, N. J.**

## 5753a—*Hammers (Chain Oliver)

**Vaughn Machinery Co., Cuyahoga Falls, Ohio** *See adv index at end of book*

## 5754—Hammers (Chain Welding)

**Vaughn Machinery Co. (Foot & Power), Cuyahoga Falls, Ohio.**
*See adv index at end of book*

## 5755-6— Hammers (Chipping)

**Chicago Pneumatic Tool Co. ("Boyer"), 6 E 44th, New York**
*See adv index at end of book*
**Coates Clipper Mfg. Co. (Electric), Worcester, Mass.**
**Eagle Tool Works, Bayonne, N. J.**
**Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.**
*See adv index at end of book*
**Germantown Tool Works (Machinists, etc.), 521 Market, Phila., Pa.**
**Maydole David Hammer Co. (Crucible Steel), Norwich, N. Y.**
**Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.**
**Stanley Rule & Level Co. (Atha Division), New Britain, Conn.**

## Hammers (Claw)

**See Hammers, Nail**

## Hammers (Concrete Bush)

**See Hammers, Bush**

## 5757—Hammers (Concrete Tooling)

**Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.**
**Ransome Concrete Machinery Co., Dunellen, N. J.**

## 5758—Hammers (Confectioners')

**Walker C. S. & Co. (And Hatchet Combined), 656 W 12th, Erie, Pa.**

## 5759— Hammers (Coopers')

**Drew C. & Co., Kingston, Mass.**
**Germantown Tool Works (Solid Forged), 521 Market, Phila., Pa.**
**MORE-JONES BRASS & METAL CO.,** B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
**Stanley Rule & Level Co. (Atha Division), New Britain, Conn.**
**Warren Tool & Forge Co. (Handled), Warren, O.** *See adv index at end of book*
**White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.**

## 5760-1-2— Hammers (Copper)

**Eureka Co., North East, Pa.**
**Graham Jas. & Co., New Haven, Conn.**
**Hungerford U. T. Brass & Cooper Co., 80 Lafayette, New York**
**McNab & Harlin Mfg. Co., 55 John, New York**
**Merchant & Evans Co., Washington av & 21st, Phila, Pa.**
*See adv index at end of book*
**More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.**
*See adv index at end of book*

## Hammers (Drilling)

See Hammers, Heavy

## 5763— Hammers (Drop)

See also Presses, Drop
**Alliance Machine Co., Alliance, O.**
**Bethlehem Steel Co. (Steam), South Bethlehem, Pa.**
**Billings & Spencer Co. ("B. & S."), Hartford, Conn.**
**BLISS E. W. Co.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** ("Bell"), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
**Cady Machine Co., Cleveland, O.**
**Canton Foundry & Machine Co. ("Universal," for Sheet Metal Dies), Canton, O.**
**Chambersburg Engineering Co. (Steam), Chambersburg, Pa.**
**Coulter & McKenzie Machine Co., Bridgeport, Conn.**
**Erie Foundry Co. ("Erie," Steam), 12th & Cranberry, Erie, Pa.**
**Henderson Machine Co., 5032 Germantown av, Phila., Pa.**
**Kane & Roach, Syracuse, N. Y.**
**Massillon Foundry & Machine Co. ("Massillon" Steam), Massillon, O.**
**Meriden Press & Drop Co. ("Merriman" Drop, Heavy Forged), Meriden, Conn.**
**MERRILL BROS.,** 3 Arnold, Maspeth (Borough of Queens), New York.
*See adv index at end of book*
**Miner & Peck Mfg. Co., New Haven, Conn.**
**MORGAN ENGINEERING CO.,** Alliance, Ohio *See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
**Niles-Bement-Pond Co., 111 B'way, New York**
**Perkins Machine Co. (Hand Power & Compressed Air), Warren, Mass.**
**Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.**
*See adv index at end of book*
**San Francisco Engineering Co., 322 6th, San Francisco, Cal.**
**Standard Machinery Co., Providence, R. I.**
**Toledo Machine & Tool Co. ("Toledo"), Toledo, O.**
**Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.**
**Williams, White & Co. (Crank Lift & Twin Drop), Moline, Ill.**

## 5764—Hammers (Drop Forged)

**Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.**
*See adv index at end of book*
**Vlchek Tool Co. ("Vlchek"), 8701 Mt. Auburn av, Cleveland, O.**

## 5765— Hammers (Electric)

**Chicago Pneumatic Tool Co. ("Little Giant"), 6 E 44th, New York**
*See adv index at end of book*
**Electro & Magnetic Tool Co. (For Drilling, Chipping & Surfacing of Concrete, Brick, Stone), 2902 Carroll, Chicago, Ill.**
**Manitowoc Electric Implement Co., Manitowoc, Wis.**

## 5766—Hammers (Engineers' or Plow)

**Champion Tool Co. ("Champion"), Meadville, Pa.**
**Cheney Henry Hammer Co., Little Falls, N. Y.**
**Ketler-Elliott Co. ("Ketoco" Engineers), 31st & California, Chicago, Ill.**
**Maydole David Hammer Co., Norwich, N. Y.**
**Vlchek Tool Co. ("Vlchek," Set), 8701 Mt. Auburn, Cleveland, O.**
**Warner Hammer Co., Cromwell, Conn.**
**Warren Tool & Forge Co. (Hand), Warren, O.** *See adv index at end of book*

## 5767—Hammers (Farriers' & Horseshoers')

**Champion Tool Co. ("Clean Claw," "Critics," "Standard," "Scotch," "Driving," "Maud S" Rounding Electric & "Mallery" Sharpening for Anvils), Meadville, Pa.**
**Cheney Henry Hammer Co., Little Falls, N. Y.**
**Evansville Tool Works, Evansville, Ind.**
**Germantown Tool Works (Solid Forged), 521 Market, Phila., Pa.**
**Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.**
**Maydole David Hammer Co. ("Tarriers" Only), Norwich, N. Y.**
**Peck, Stow & Wilcox Co., Southington, Conn.**
**Stanley Rule & Level Co. (Atha Division), New Britain, Conn.**
**Van Doren Mfg. Co. ("Vandor" Drop Forged), Chicago Heights, Ill.**

## 5768—Hammers (Foot Power)

**Vaughn Machinery Co. (Chain Welding), Cuyahoga Falls, O.**
*See adv index at end of book*
**Vulcan Iron Works Co. ("Vulcan"), Mason City, Ia.**

## Hammers (Granite Cutters')

**See Hammers, Stone Cutters'**

## 5769—Hammers (Heavy, Blacksmiths', Mauls, Etc.)

**Beall Bros. (Flatters, Set, etc), Alton, Ill.**
**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**
**Collins Co., Collinsville, Conn.**
**Evansville Tool Works, Evansville, Ind.**
**Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.**
*See adv index at end of book*
**Fisher & Norris (Hand Made), Trenton, N. J.**
**Fulton Tool Works, Canal Fulton, O.**
**Heller Brothers Co., 870 Mt. Prospect av., Newark, N. J.**
**Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.**
**Ingersoll-Rand Co., 11 B'way, New York**
*See adv index at end of book*
**Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.**
**Isele A. W. & Son, 51 Pitt, Boston, Mass.**
**Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.**
**Plumb Fayette R. (Inc.), Tucker & James, Phila., Pa.**
**Racky Albert C., 531 S 5th av, Chicago, Ill.**
**Stanley Rule & Level Co. (Atha Division), New Britain, Conn.**
**Van Doren Mfg. Co. ("Vandor" Drop Forged), Chicago Heights, Ill.**
**Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.**
**Verona Tool Works, Oliver bldg, Pittsburgh, Pa., & Verona, Pa.**
**Warner Hammer Co., Cromwell, Conn.**
**Warren Tool & Forge Co. (Hand, Striking & Napping), Warren, O.**
*See adv index at end of book*
**Warwood Tool Co., Warwood, Wheeling, W. Va.**
**What Cheer Tool Co., What Cheer, Ia.**

## 5770— Hammers (Helve)

**Armstrong Mfg. Co. ("Helva"), Waterloo, Ia.**

When writing to firms whose names appear in this book please mention
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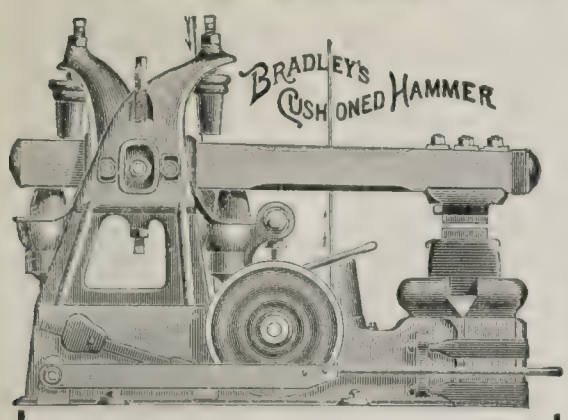


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Niles-Bement-Pond Co. (Rubber Cushioned), 111 B'way, New York
**WEST TIRE SETTER CO.** ("Rochester"), Rochester, N. Y.

## 5771—Hammers (Interchangeable)

Greene, Tweed & Co. ("The Colvin," with Rawhide, Wood or Copper Head), 109 Duane, New York

## 5772— Hammers (Justice)

Williams, White & Co., Moline, Ill.

## 5773—*Hammers (Lead & Alloy)

Rebele L. J. Church & Fulton, New York
**U. S. INDESTRUCTIBLE GASKET CO.,** Church & Fulton, New York
*See adv index at end of book*

## 5774—*Hammers (Locomotive Frame Welding)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**MORGAN ENGINEERING CO.,** Alliance, Ohio *See adv index at end of book*

## 5775—Hammers (Macadamizing)

Beall Bros., Alton, Ill.
Evansville Tool Works, Evansville, Ind.
Stanley Rule & Level Co. (Atha Division), New Britain Conn.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*

## 5776—Hammers (Machinists')

Beall Bros., Alton, Ill.
Billings & Spencer Co. ("B & S" Drop Forged), Hartford, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cheney Henry Hammer Co., Little Falls, N. Y.
Chicago Tool & Kit Mfg Co., 12 N Market, Chicago, Ill.
Cushman Auto Tool Co., Champaign, Ill.
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works (Ball Pein, etc), 521 Market, Phila, Pa.
Heller Brothers Co., 370 Mt. Prospect av, Newark, N. J.
Ketler-Eliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Maydole David Hammer Co. (Crucible Steel), Norwich, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R., Inc., Tucker & James, Philadelphia, Pa.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Smith H. D. & Co. ("Perfect Handle" Drop Forged), Plantsville, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av N W, Cleveland, O.
Thomson Drop Forge Co. (Ball Pein, Octogon), Plantsville, Conn.
Van Doren Mfg. Co. ("Vandor" Drop Forged), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
Vlchek Tool Co. ("Vlchek" Ball Pein, Drop Forged), 8701 Mt. Auburn, Cleveland, Ohio
Warner-Hammer Co., Cromwell, Conn.
Westfield Plate Co. (Lead), Thompsonville, Conn.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 5777—Hammers (Magnetic Tack, Etc.)

Arcade Mfg. Co., Freeport, Ill
Robertson Arthur R. ("Horseshoe Magnet" Tack, Bill Posters, etc), 144 Oliver, Boston, Mass.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Taplin Mfg. Co. ("Victor"), New Britain, Conn.

## 5778—Hammers (Masons' & Bricklayers')

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Beall Bros., Alton, Ill.
Black John B. Co. (Also Bricklayers'), Chester, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Tool Mfg. Co. (Brick), 1002 Cass av, St. Louis, Mo.
Drew C. & Co., Kingston, Mass.
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works (Brick & Adze Eye, Brick), 521 Market, Phila, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Isele A. W. & Son, 51 Pitt, Boston, Mass.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Maydole David Hammer Co. (Bricklayers Only), Norwich, N. Y.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.
Plumb Fayette R., Inc., Tucker & James, Philadelphia, Pa.
Stanley Rule & Level Co., New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Vlchek Tool Co. ("Vlchek" Drop Forged), 8701 Mt. Auburn av, Cleveland, O.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.
Warner-Hammer Co., Cromwell, Conn.
Warren Tool & Forge Co. (With Teeth), Warren, O. *See adv index at end of book*
Warwood Tool Co., Warwood, Wheeling, W. Va.

## 5779— Hammers (Mill)

Boker Cutlery & Hardware Co. ("Alsteel"), 101 Duane, New York
Brainard Pulverizer Co., Old Colony bldg, Chicago, Ill.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.

## 5780— Hammers (Nail)

Arcade Mfg. Co. (Cast), Freeport, Ill.
Cassady Fairbank Mfg. Co. ("Never-Slip"), 6126 S La Salle, Chicago, Ill.
Cheney Henry Hammer Co. ("Cheney"), Little Falls, N. Y.
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Cushman Auto Tool Co (Claw) Champaign, Ill.
Evansville Tool Works, Evansville, Ind.
Franklin Brass Foundry Co. ("Cracker Jack" Nickel Plated), Reading, Pa.
Germantown Tool Works, 521 Market, Phila., Pa.
Hammond C. & Son, Ogontz, Pa.
Maydole David Hammer Co., Norwich, N. Y.
Plumb Fayette R., Inc., Tucker & James, Philadelphia, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Sargent & Company, New Haven, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Stover Mfg. & Engine Co. ("Ideal," Cast), Freeport, Ill.
U. S. Lock & Hardware Co., Columbia, Pa.
Van Doren Mfg. Co. ("Vandor Drop Forged"), Chicago Heights, Ill.
Warner Hammer Co., Cromwell, Conn.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## Hammers (Napping)

See Hammers, Heavy

## 5781— Hammers (Pavers')

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Evansville Tool Works, Evansville, Ind.
Isele A. W. & Son, 51 Pitt, Boston, Mass.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Western Tool & Forge Co., Brackenridge, Pa.

## 5782— Hammers (Piano)

Boston Piano Supply Co., B'way, Boston, Mass.
Crane Felt Mfg. Co., Belvidere, N. J.
Schmidt David H. Co., Poughkeepsie, N. Y.
Standard Felt Co., Alhambra, Cal.

## 5783-4—Hammers (Pile Drivers')

American Hoist & Derrick Co., St. Paul, Minn.
Bartlett A. F. & Co. ("Cram" Steam Hammer), Saginaw, Mich.
Browning Co., E 162nd & Waterloo rd, N. E., Cleveland, O.
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Goubert A. A., 90 West, New York
Industrial Works (Steam), Bay City, Mich.
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
McCoy Henry J. ("New Monarch" Automatic Double Acting), 65 Dey, New York
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*See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
National Hoisting Engine Co., Harrison, N. J.
National Iron Co., Duluth, Minn.
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
Stroudsburg Engine Works, Stroudsburg, Pa.
Superior Iron Works Co., Superior, Wis.
Toledo Foundry & Machine Co., Toledo, O.
Union Iron Works ("Arnott" Steam), Hoboken, N. J.
Vulcan Iron Works ("Warrington" Steam & Drop), 327 N Irving av, Chicago, Ill.
Western Iron & Foundry Co., Wichita, Kans.

## 5785—Hammers (Plumbers')

Bernz Otto, 17-37 Ashland, Newark, N. J.
Buffum Tool Co. ("Swastika," Calking, etc), South Side, Louisiana, Mo.

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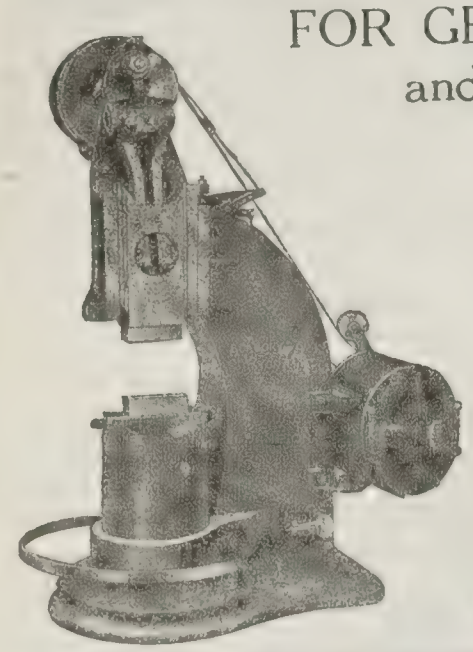

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## 5786— Hammers (Power)

See also Hammers, Steam

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Bradley C. C. & Son, Syracuse, N. Y.
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Central Machine Works Co. (The "Force"), 1234 Central av, Minneapolis, Minn.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Dieneit & Eisenhardt ("Dead Stroke" Spring), 1304 N Howard, Philadelphia, Pa.
Fairbanks Co. ("Fairbanks"), 416 Broome, New York
High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
Howe Scale Co., Rutland, Vt.
Iowa Steel & Iron Wks., Cedar Rapids, Ia.
Justice Philip S. & Co. ("Justice" Spring), 421 Chestnut, Phila., Pa.
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Nazel Engineering & Machine Works ("Nazel" Belt or Motor Driven), 4049 N 5th, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Quickwork Co. ("Quickwork"), St. Mary, Ohio
Scranton & Co., New Haven, Conn.
United Hammer Co. ("Fairbanks"), 45 Browfield, Boston, Mass.
Vaughn Machinery Co. (For Making Chain Only), Cuyahoga Falls, O.
*See adv index at end of book*
**Vulcan Iron Works Co. ("Vulcan"), Mason City, Ia.**
**Wilcor Mfg. Co., 4824 W Lake, Chicago, Ill.**

## 5787—Hammers (Prospecting)

Stanley Rule & Level Co. (Athos Division), New Britain, Conn.
Maydole David Hammer Co., Norwich, N. Y.
Warner Hammer Co., Cromwell, Conn.

## 5788—Hammers (Pulverizer)

Alloy Steel Forging Co., Carnegie, Pa.

## Hammers (Rawhide)

See Mallets, Rawhide

## 5789— Hammers (Riveting)

See also Pneumatic Riveters

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co. ("Champion"), Meadville, Pa.
Cheney Henry Hammer Co., Little Falls, N. Y.
Chicago Pneumatic Tool Co. ("Boyer"), 6 E 4th, New York
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 712-714 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Germantown Tool Works (Solid Forge)**, 521 Market, Phila, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hammond C. & Son, Ogontz, Pa.
**High Speed Hammer Co., Inc., (Elastic Blow)**, 313 Norton, Rochester, N. Y.
**Maydole David Hammer Co. (Crucible Steel)**, Norwich, N. Y.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
**Peck, Stow & Wilcox Co., Southington, Conn.**
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.
Plumb Fayette R., Inc., Tucker & James, Philadelphia, Pa.
**Reading Saddle & Mfg. Co. (Household)**, Reading, Pa.
Stanley Rule & Level Co., New Britain, Conn.
**Vichek Tool Co. ("Vichek" Tinners', etc.)**, 8701 Mt. Auburn av, Cleveland, O.
Warner-Hammer Co., Cromwell, Conn.

## 5790—Hammers (Rotary Riveting)

High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
Williams White & Co., Moline, Ill.

## 5791—Hammers (Saddlers' & Trimmers')

Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C. S. & Co., Box 183 Newark, N. J.
*See adv index at end of book*

## 5792—Hammers (Saw Makers)

**Columbus Anvil & Forging Co., Columbus, Ohio**
Covel Mfg. Co., Benton Harbor, Mich.
**Disston Henry & Sons, Tacony, Phila., Pa.**
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*

## 5793—Hammers (Saw Setting)

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Covel Mfg. Co., Benton Harbor, Mich.
Fisher & Norris, Trenton, N. J.
**Hanchett Swage Works, Big Rapids, Mich.**
Menominee Saw Co., Menominee, Mich.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Van Doren Mfg. Co. (Drop Forged), Chicago Heights, Ill.

## 5794—Hammers (Shoemakers')

**Germantown Tool Works, 521 Market, Phila., Pa.**
Grey Iron Casting Co., Mt. Joy, Pa.
Kupferle John C. Foundry Co. ("Eclipse"), 1st & Wright, St. Louis, Mo.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Reading Saddle & Mfg. Co. ("Reading" Cast), Reading, Pa.
Sargent & Co., New Haven, Conn.
Standard Shoe Machinery Co., Lawrence, Mass
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
U. S. Lock & Hardware Co., Columbia, Pa.
Williams A. C. Co. (Cast Iron Only), Ravenna, O.
Wrightville Hardware Co., Wrightville, Pa.

## 5795— Hammers (Slaters')

See also Tools, Slaters

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Belden Machine Co., New Haven, Conn.
Emrich Phil, 824 Main, Cincinnati, O.
Evansville Tool Works, Evansville, Ind.
**Isele A. W. & Son, 51 Pitt, Boston, Mass.**
Stortz Jno. & Son, 210 Vine, Phila., Pa.

## 5796— Hammers (Spring)

Dougherty Smith Phillips Co. ("Phillips"), 502 W Division, Chicago, Ill.

## 5797— Hammers (Steam)

See also Hammers, Power

Alliance Machine Co., Alliance, O.
Bellefonte Engineering Co., Bellefonte, Pa.
Bethlehem Steel Co. (Drop), South Bethlehem, Pa.
**BUFFALO FOUNDRY & MACHINE CO.** ("Bell"), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
**Chambersburg Engineering Co. (Single & Double Frame)**, Chambersburg, Pa.
Erie Foundry Co. ("Erie," Single & Double Frame), 12th & Cranberry, Erie Pa.
Ironton Punch & Shear Co., Ironton, O.
Kline Lewis T., Alpena, Mich.
McDougall & Potter Co., 606 W 55th, New York
Massillon Foundry & Machine Co. ("Massillon" Forge), Massillon, O.
**MORGAN ENGINEERING CO.** (Single & Double Stand), Alliance, O.
*See adv index at end of book*
Niles-Bement-Pond Co. (Single, Double & Open Frame), 111 B'way, New York
Dudgeon Richard, 24 Columbia, New York
**Ryerson Jos T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.**
*See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

## 5798—Hammers (Stone Cutters')

**Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.**
Beall Bros., Alton, Ill.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
**Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.**
Evansville Tool Works, Evansville, Ind.
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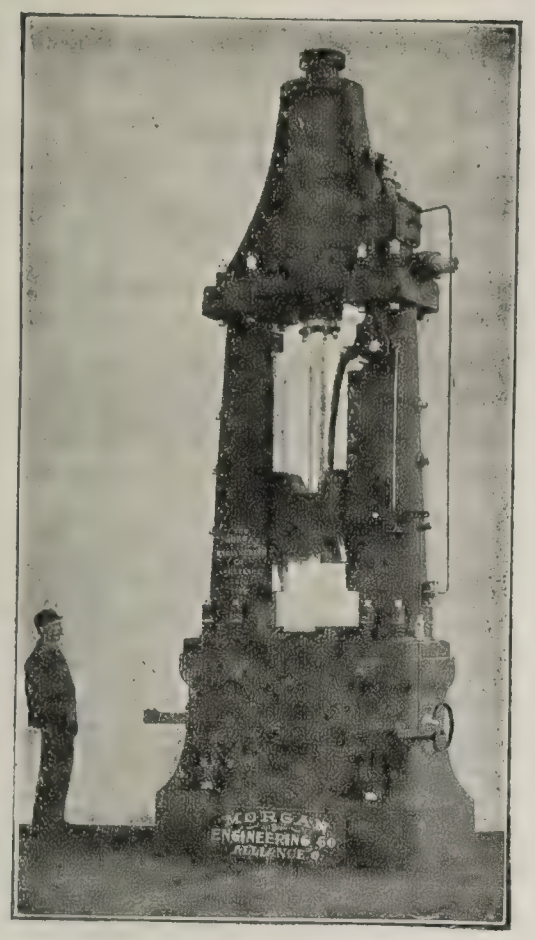
**Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.**
**Isele A. W. & Son, 51 Pitt, Boston, Mass.**
**Klein, Logan Co., 13th & Breed, Pittsburgh, Pa.**
Livingston Mfg. Co., Rockland, Me.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.

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Vulcan Tool Mfg. Co., Quincy, Mass.
Warner-Hammer Co., Cromwell, Conn.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*
Warwood Tool Co., Warwood, Wheeling, W. Va.

## Hammers (Striking)

See Hammers, Heavy

## 5799— Hammers (Tack)

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Henry John T. Mfg. Co., Hamden, Conn.
Kilborn & Bishop Co. ("K. & B."), 194 Chapel, New Haven, Conn.
*See adv index at end of book*
Landers, Frary & Clark, New Britain, Conn.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Robertson Arthur R. ("Horseshoe Magnet"), 144 Oliver, Boston, Mass.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stanley Rule & Level Co., New Britain, Conn.
Stover Mfg. & Engine Co. (Cast), Freeport, Ill.
Vaughan & Bushnell Mfg. Co. (Adze Eye Drop Forged), 2114 Carroll av, Chicago, Ill.
Warner Hammer Co., Cromwell, Conn.
Williams A. C. Co. (Cast Iron Only), Ravenna, O.
Wrightsville Hardware Co. ("Brighton," "L. & S. I. Co."), Wrightsville, Pa.

## 5800—Hammers (Tanners' Marking)

Emrich Phil, 824 Main, Cincinnati, O.

## 5801—Hammers (Tile Setters')

Braunsdorf-Mueller Co., Elizabeth, N. J.
Warner Hammer Co., Cromwell, Conn.

## 5802— Hammers (Tinners')

See also Hammers, Riveting

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cheney Henry Hammer Co., Little Falls, N. Y.
Evansville Tool Works, Evansville, Ind.
Germantown Tool Works (Solid Forged), 521 Market, Phila, Pa.
Maydole David Hammer Co., Norwich, N. Y.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
Peck, Stow & Wilcox Co. (Riveting, Setting, etc), Southington, Conn.
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.
Stanley Rule & Level Co. (Atha Division) New Brtiain, Conn.
Van Doren Mfg. Co. ("Vandor" Drop Forged), Chicago Heights, Ill.
Warner Hammer Co., Cromwell, Conn.

## Hammers (Tire Welding)

See Tire Welding Machines

## 5803— Hammers (Trip)

See also Hammers, Power

**BEAUDRY & CO., INC.**, 45 Bromfield, Mass.
*See adv index at end of book*
**MERRILL BROS.** (Air Cushion), 3 Arnold, Maspeth (Borough of Queens), New York *See adv index at end of book*
United Hammer Co. ("Fairbanks"), 45 Bromfield, Boston, Mass.

## 5804—Hammers (Upholsterers')

See also Hammers, Tack

Arcade Mfg. Co., Freeport, Ill.
Dicke Tool Co., Downers Grove, Ill.
Germantown Tool Works (Solid Forged), 521 Market, Phila, Pa.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brener, Newark, N. J.
**OSBORNE C. S. & CO.** (Also Trimmers), Box 183 Newark, N. J.
*See adv index at end of book*
Reading Saddle & Mfg. Co. ("Reading" Household), Reading, Pa.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Tully John J., Louisville, Ky.
Vlchek Tool Co. ("Vlchek"), 8701 Mt. Auburn av, Cleveland, O.
Williams A. C. Co. (Cast), Ravenna, O.
Wrightsville Hardware Co. ("Brighton"), Wrightsville, Pa.

## 5804a—*Hammers (Upholsterers' & Trimmers')

**OSBORNE C. S. & CO.**, Box 183, Newark, N. J. *See adv index at end of book*

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Box 183 Newark, N. J.

## 5805— Hammers (Vacuum)

**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Williams, White & Co. ("Yeakley"), Moline, Ill.

## 5806— Hammock Mfrs.

Altland Alfred D., Dillsburg, Pa.
Barcalo Mfg. Co. (Couch), 225 Louisiana, Buffalo, N. Y.
Beverly Textile Mills, Beverly, N. J.
Bickford Bros. Co., Rochester, N. Y.
Brooks Tent & Awning Co. ("Nantucket" Couch), Denver, Colo.
Carnie-Goudie Mfg. Co., 22d & Grand av, Kansas City, Mo.
Chicago Hammock Co. (Cotton Woven), 523 N Union av., Chicago, Ill.
Cream City Net Co., 1076 Grove, Milwaukee, Wis.
Excelsior Bag & Mfg. Co. ("Idle Hour" & "Excelsior" Couch), Troy, N. Y.
Fowler Net & Twine Co., 107 S 2d, Phila., Pa
Gem Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.
Gold Medal Camp Furniture Mfg. Co., ("Knowlton," Swinging & Hammock Combined), Racine, Wis.
Goodall Hammock Co. (Cotton), Westbrook, Me.
Hettrick Mfg. Co. (Couch), Toledo, O.
Hoffman-Corr Mfg. Co. ("Globe-Lion" Brand), 312 Market, Phila., Pa.
**Hohlfeld Mfg. Co., 10th & Allegheny, Phila., Pa.**
**Hough Shade Corporation, Janesville, Wis.**
**La Crosse Hammock Works, La Crosse, Wis.**
**N. Y. Couch Eed Co. ("Romelink" Couch)**, Meadow & Anable av, L. I. City, N. Y.
Olmsted & Tuttle Co. (Cot Hammocks), Chicopee, Mass.
Palmer I. E. Co., Middletown, Conn.
Patterson Mfg. Co. (also Couch Hammocks), E Indiana cor A, Phila., Pa.
Rowe E. L. & Son ("Gloucester"), Gloucester, Mass.
St. Charles Net & Hammock Co., St. Charles, Ill.
Shoyer D. W. & Co. ("Acme"), 394 B'way, New York
Tennessee Line & Twine Co. (Cotton), Elizabethton, Tenn.
Warren Mfg. Co. (Cotton), Warren, Md.
Western Hammock Co., La Cosse, Wis.
Wheeler & Wilson ("North Shore" Bed), 15 Merchants row, Boston, Mass.

## Hampers

See Baskets, Hampers, Etc.

## 5807—Hand Rests for Lathes

American Tool & Machine Co., 10 High, Boston, Mass.

## 5808— Handcuffs & Twisters

Barnard Geo. D. & Co. ("Cummings"), Laclede & Vandeventer, St. Louis, Mo.
Mattatuck Mfg. Co. (Maltby Division, "Mattatuck"), Waterbury, Conn.
Peerless Handcuff Co. ("Peerless" Light weight), Springfield, Mass.
Union Hardware Co., Torrington, Conn.

## 5808a— Handkerchief (Boxes)

The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.

## 5809—Handkerchiefs (Bandanna)

Passaic Print Works, Passaic, N. J.

## Handles (Agricultural Tool)

See Handles, Farm Tool

## Handles (Air Brake)

See Handles, Brake or Controller

## 5809a—Handles (Artists' Brush)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Handles (Ash)

See Handles, Farm Tool, Ash

## 5810— Handles (Auger)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Canfield Mfg. & Novelty Co., Canfield, O.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Everstick Anchor Co., 1624 N 8th, St. Louis, Mo.
**Irwin Auger Bit Co., Wilmington, O.**
Millers Falls Co. ("Rogers," Gun's Ratchet), 28 Warren, New York
O'Neill J. H. Jr., Pawtucket, R. I.
Peck, Stow & Wilcox Co. ("Peck's" Patent), Southington, Conn.
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Southington Mfg. Co., Southington, Conn.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Swan James Co. ("Swan's"), Seymour, Conn.

## 5811—Handles (Automobile)

Bonney Vise & Tool Works, Inc., (Hood) Allentown, Pa. *See adv index at end of book*
Federal Stamping Co. ("Presteel"), Holland, Mich.
Rubber & Celluloid Products Co. (Rubber Covered), Newark, N. J.
Vahan Products Co., 73rd & St. Clair, Cleveland, O.

## 5811a—Handles (Automobile Crank)

Bogert & Hopper, Inc. (Wood), 57 Barclay New York *See adv index at end of book*
Continental Fibre Co. (Baskelite-Dilecto Fibre), Newark, Del. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5812— Handles (Awl)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS**, 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Handles (Axe)

See Handles, Hickory

## 5813—*Handles (Baby Carriage)

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5813a— Handles (Balance)

Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## 5814— Handles (Bark Spud)

American Logging Tool Co., Evart, Mich.

## 5814a—Handles (Basket)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS**, 364 5th av, New *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Maney W. F. (Wire), Geneva, N. Y.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5814b—Handles (Bell)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5814c— Handles (Bicycles)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5814d—*Handles (Bill Poster)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 5814e— Handles (Bit Brace)

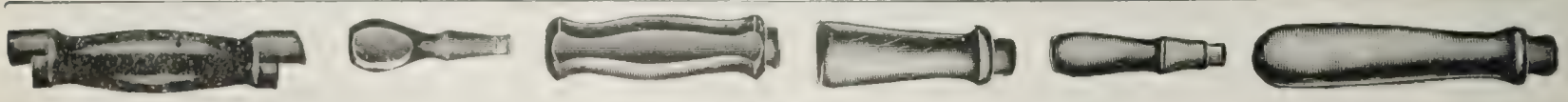
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 5814f— Handles (Bit, Malleable Iron)

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
**Syracuse Twist Drill Co., ("Syracuse")**, Borden av, Syracuse, N. Y.

## 5815—Handles (Boiler, Ash & Milk Can, Etc.)

Adams Co. (Boiler), Dubuque, Ia.
Arcade Mfg. Co., Freeport, Ill.
Automatic Wire Goods Mfg. Co. (Can Only), 13-15 Canal pl, New York *See adv index at end of book*
Berger Bros. Co. ("Keystone"), 229 Arch, Phila., Pa.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Campbell Wire Specialty Works (Wire), South Bend, Ind.



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**Haslet, Flanagen & Co., 116 N 2d, Phila.,** Pa.
**Indiana Hollow Ware Co. (Cast Iron),** Jeffersonville, Ind.
**Klauer Mfg. Co., Dubuque, Ia.**
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
McAleer E. J. & Co., 1422 N 8th, Phila., Pa.
**Stanley Works, New Britain, Conn.** *See adv. index at end of book.*
Stiles, H. A. & Co. (Wood), 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Weller Hdw. & Foundry Co. (Or Milk Can), Horseheads, N. Y.
Wickwire Spencer Steel Corp (Ash Can, Basket & Tub, Galvanized), Worcester, Mass. *See adv index at end of book*
Wrightsville Hardware Co., Wrightsville, Pa.

## 5815a—Handles (Boilers, Wash)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 5816— Handles (Bone)

Armour & Co., 208 S La Salle, Chicago, Ill.
Randolph Wm. C. (Whisk Broom, etc), 213 Arch, Phila., Pa.
Rogers Mfg. Co. .Rockfall, Conn.
Rogers & Hubbard Co., Middletown, Conn.
Winterbottom Carter & Co., Egg Harbor City, N. J.

## 5816a— Handles (Box)

**Berbecker & Rowland Mfg. Co., Waterville, Conn.**
Grammes, L. F. & Son, Allentown, Pa. *See adv index at end of book*
Stanley Works, New Britain, Conn. *See adv index at end of book*
Waterbury Button Corp., 831 So. Main, Waterbury, Conn. *See adv index at end of book*

## 5817—Handles (Brake or Controller)

See also Wheels, Rachet Brake.
Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Baker John S. ("Beverly," Ratchet Clutch), Beverly, Mass.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
**Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.**
Dayton Mfg. Co. ("Lindstrom," "Pittsburgh," Gravity, etc.), Dayton, O.
Electric Service Supplies Co. ("Durkin Automotoneer." "Lock-On"), 17th & Cambria, Phila., Pa.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Jewett Car Co. (Brake Only), Newark, O.
Lord Electric Co. ("Cosper"), 105 W 40th, New York
Safety Car Devices Co., Boatmen's Bk. bldg, St. Louis, Mo.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 5818— Handles (Broom)

American Broom & Brush Co., Amsterdam, N. Y.
Amsterdam Broom Co., Amsterdam, N. Y.
**Anchor Saw Mills Co., Memphis, Tenn.**
Antigo Mfg. Co., Antigo, Wis.
Auburn Handle Co. Auburn, Ind.
Bayless Mfg. Co., Memphis, Tenn.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Boggs Broom Corn Co. (Maple), 1206 N Main, St. Louis, Mo.
Borgeson C. E., 1775 Wilson av, Chicago, Ill.
Brinser E. C. Sons, Richmond, Va.
Cadillac Handle Co., Cadillac, Mich.
Columbus Sucker Rod Co., Columbus, O.
Crook Son & Co., Hicksville, O.
Ellis & Smith, Bleecker, N. Y.
Escanaba Mfg. Co., Escanaba, Mich.
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*

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Indiana Wood Products Co., Spencer, Ind.
Jackson & Tindle, Buffalo, N. Y.
Jones B. E. Mfg. Co., Alba, Mich.
Lee Broom & Duster Co., Lincoln, Neb.
Lobdell Emery Mfg. Co., Onaway, Mich.
National Handle Co., Cleveland O.
Olds & Hixson, Vanderbilt, Mich.
Piqua Handle & Mfg. Co. (Regular Finish & High Grade French Polish Finish, Stained, all Colors or Natural Wood), P O Box 307, Piqua, O.
Rugg Mfg. Co. (Brush Mop), Greenfield, Mass.
Standard Churn Co., Wapakoneta, O.
**STILES H. A. & CO., 93-97 Oliver, Boston, Mass.** *See adv index at end of book*
Stratton D. A. Co., Atlantic Mine, Mich.
**Turner T. J., Marked Tree, Ark.**
**Westcott J. D. & Son. Richwood, W. Va.**
**Willey O. H. Bryan, O.**

## 5819— Handles (Brush)

Bogert & Hopper, Inc. (Printer, etc), 57 Barclay, New York *See adv index at end of book*
Estes E. B & Sons (Artists', Painters' & Shoe), 364 5th av, New York *See adv index at end of book*
Fuller, J. J., Westfield, Mass.
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
**Pierce F. B. Co., Keene, N. H.**
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 5820— Handles (Cane)

Bogert & Hopper, Inc. (Also Umbrella & Parasol Wood), 57 Barclay, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 5821—Handles (Canthook & Peavey)

American Logging Tool Co., Evart, Mich.
**Brinser E. C. Sons, Richmond, Va.**
Columbus Handle & Tool Co., Columbus, Ind.
Harris Mfg. Co., Johnson City, Tenn.
Hartwell C. L. & Co., Chicago Heights, Ill.
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Concrete Machinery So., Dunellen, N. J.
**Ransome Mixer Co., 165 B'way, New York**
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Strock L. W. & Co., Bethlehem, Pa.
Titusville Handle Co., Titusville, Pa.
Windham Handle Co., South Windham, Conn.

## 5822—Handles (Car Coupling)

Handlan-Buck Mfg. Co. ("Bishop"), 210-14 N 3d, St. Louis, Mo.

## 5823—Handles (Carpet Sweeper)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**Borgeson C. E., 1775 Wilson av, Chicago, Ill.**
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Piqua Handle & Mfg. Co., P O Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
**Stiles H. A. & Co., 93-97 Oliver, Boston, Mass.** *See adv index at end of book*

## 5824—Handles (Carriage Door)

Attwood Brass Works, Grand Rapids, Mich.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Stanley Works, New Britain, Conn. *See adv index at end of book*

## 5825— Handles (Chest)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Brainerd Mfg. Co., East Rochester, N. Y.
Carondelet Foundry Co., 2123 S Kingshighway, St. Louis, Mo.
Champion Hardware Co. ("Champion"), Geneva, O.
**Corbin P. & F., New Britain, Conn.**
Dent Hardware Co., Fullerton, Pa.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Lawrence Bros., Sterling, Ill.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
Ney Mfg. Co., Canton, O.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
**Reading Hardware Co., Reading, Pa.**
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS (Wrought Steel), New** Britain, Conn. *See adv index at end of book*
**Stover Mfg. & Engine Co. (Surface & Flush Patterns), Freeport, Ill.**
**Taylor & Boggis Foundry Co., Cleveland,** Ohio
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn. *See adv index at end of book*
**Weber-Knapp Co. (Brass, etc), Jamestown,** N. Y.
Weller Hardware & Fdry. Co., Horseheads, N. Y.
Wrightsville Hardware Co. (Surface), Wrightsville, Pa.

## 5826— Handles (Chisel)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
**Frindt O. K. A. (Paper), 3932 N Kedzie, Chicago, Ill.**
Fuller J. J., Westfield, Mass.
Gallup Ruffing Handle Co. (Leather Head & Plain), Norwalk, O.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
O'Neill J. H. Jr., Pawtucket, R. I.
**Piqua Handle & Mfg. Co. (Leather Head & Plain, also Butt Chisel Handles),** P O Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
**STILES H. A. & CO.** ("Hasco Brand"), 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stossel Carl Sons & Co., Front Royal, Va.

## 5827— Handles (Churn)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
**Stiles H. A. & Co., 93-97 Oliver, Boston,** Mass. *See adv index at end of book*

## 5827a—Handles (Circuit Breaker)

See Handles, Also Electric Switch

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 5827b— Handles (Cleaver)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 5827c—Handles (Coffin and Casket)

Casket Hardware Mfg. Co., 820 W Warren, Detroit, Mich.
Stanley Works, New Britain, Conn.
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Westfield Plate Co., Thompsonville, Conn

## Handles (Controller Regulating)

See Handles, Brake or Controller

## 5828— Handles (Cooler)

Grey Iron Casting Co., Mt. Joy, Pa.

## 5829— Handles (Cork)

Armstrong Cork Co. (For Fishing Rods, Golf Sticks, etc), 24th & A. V. R. R. Pittsburgh, Pa.

## 5829a— *Handles (Cork Screw)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5830— Handles (Crank)

Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of book*
Estes E. B. & Sons (Phonograph Crank), 364 5th av, New York
*See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
Stiles H. A. & Co. (Wood), 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Williams J. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 5831—Handles (Crank Handle)

Backstay Machine & Leather Co., Union City, Ind.
Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of book*
Bosler E. H., 1935 Wabash av, Chicago, Ill.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd., Cleveland, O.
Economy Stay Co. (Leather), Jefferson City, Mo.
Fesser Frank S. Co. ("Superior"), 1033 Shelby, Indianapolis, Ind.
Gallup Ruffing Handle Co., Norwalk, O.
Gilbert Mfg. Co. ("Gilbert"), New Haven, Conn.
Nathan Novelty Mfg. Co., 55 5th av, New York.
Niagara Auto Radiator Co., 151 W 68th, New York
Perkins-Campbell Co. ("Campbell"), 622 B'way, Cincinnati, O.
Premier Auto Novelty Mfg. Co., 149 Chambers, New York
Smith James & Son, 40 Franklin av, Brooklyn, N. Y.
Sutherland F. L. Co., 139 Beaubien, Detroit, Mich.

## 5831a—Handles (Currycomb)

BOGERT & HOPPER, INC. (Wooden), 57
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston Mass. *See adv index at end of book*

## 5831b— Handles (Cutlery)

Bogert & Hopper, Inc. (Wood), 57 Barclay New York
*See adv index at end of book*
Celluloid Co., 36 Washington Pl., New York
Estes E. B. & Sons (Knife, Putty Knife, &c., Cleaver), 364 5th av, New York
*See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5832— Handles ("D")

American Mfg. Co. (Iron, Wood & Steel), Chattanooga, Tenn.
Anchor Saw Mill Co., Memphis, Tenn.
Piqua Handle & Mfg. Co. (Split), P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## 5832a— *Handles (Damper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## 5832b—*Handles (Detachable Tool)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5832c—*Handles (Die Stock)

Standard Parts Co. (Tubular), Cleveland, Ohio

## 5832d— Handles (Dipper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## 5832e— Handles (Dish Mop)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5832f—Handles (Door, Drawer, etc.)

See also Pulls, Door, & Pulls Drawer

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston Mass. *See adv index at end of book*
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*

## 5833— Handles (Drop)

Brainerd Mfg. Co., East Rochester, N. Y.
Corbin P. & F., New Britain, Conn.
Northwestern Stamping Co. (For Washing Machines), Burlington, Iowa
Penn Hardware Co., Reading, Pa.
STANLEY WORKS, New Britain, Conn.
*See adv index at end of book*

## 5833a— *Handles (Ebony)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5834—Handles (Electric Switch)

Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
American Enamel Co., Providence, R. I.
American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.
American Wood Working Co., 4345 Wabansia av, Chicago, Ill.
Auburn Button Works, Auburn, N. Y.
BOGERT & HOPPER, INC. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Electrose Mfg. Co. (Composition), 70 Washington, Brooklyn, N. Y.
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Gallup Ruffing Handle Co., Norwalk, O.
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp., 25 W 45th, New York
Mossman Jerome (Est. of), Fitchburg, Mass.
Narragansett Mach. Co. (Wood), Providence, R. I.
National Fibre & Insulation Co., Yorklyn, Del.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Novelty Turning Co. (Wood), Norway, Me.
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
Scranton Button Co. (Electroid), Scranton, Pa.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Union Hardware Co., Torrington, Conn.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*

## 5835—Handles (Emery Wheel Dresser)

QUADRIGA MFG. & SPECIALTY CO., 213 W Grand av, Chicago, Ill.
*See adv index at end of book*

## 5836—Handles (Enameled Wood)

Baker, McMillen Co., Akron, O.
BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York. *See adv index at end of book*
Fuller J. J., Westfield
Gibbs W. F. Mfg. Co., New Haven, Conn
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
STILES H. A. & CO., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Sun Enamel Works (For Electric Switch, Rubber Stamp, Knife Knob, etc), Leominster, Mass.

## 5837— Handles (Fan)

Bliss Mfg. Co. (Soft Wood), Bliss, N. Y.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 5838—Handles (Farm Tool, Ash)

(FORK, SHOVEL, SPADE, RAKE, ETC.)

See also Handles, Wood

Alexander Geo. E. & Son (Fork), Sunapee, N. H.
American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Ames Shovel & Tool Co., Ames bldg, Boston, Mass.
Anchor Saw Mills Co. (Fork), Memphis, Tenn.
Brinser E. C. Sons, Richmond, Va.
Derby & Ball (Fork), Bellows Falls, Vt.
Cadillac Handle Co., Cadillac, Mich.
Carrier Lbr. & Mfg. Co., Sardis, Miss.
Columbus Handle & Tool Co., Columbus, Ind.
Crook Son & Co., Hicksville, O.
Dayton Handle & Golf Co., Dayton Ohio
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

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I. X. L. Handle Mfg. Co., Dexter, Mo.
Jonesboro Handle Co., Jonesboro, Ark.
Lewiston Handle Co. (Shovel & Spade), Lewiston, Me.
Marion Handle & Mfg. Co., Marion, Ind.
National Handle Co., Cleveland, O.
Piqua Handle & Mfg. Co., P. O. 307, Piqua, O.
Standard Churn Co. (Fork), Wapakoneta, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Strock L. W. & Co., Bethlehem, Pa.
Union Fork & Hoe Co., Columbus, O.
United Handle Mills ("Monarch"), 149 Broadway, New York
U. S. Handle Co., Piqua, O.
Washington Handle Co., Washington C. H., O.
Willey, O. H., Bryan, O.

## 5839— Handles (File)

Allen Chas. I., Pequabuck, Conn.
Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
Andrews Mfg. Co., 413 Commerce, Phila., Pa.
Baker, McMillen Co., Akron, O.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Buckeye Mfg. & Fdry Co. (Malleable), 2046 W 55th, Cleveland, O.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Doane Mfg. Co. ("Doctor"), Allston, Mass.
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Frindt O. K. A. (Paper), 3932 N Kedzie av, Chicago, Ill
Gallup Ruffing Handle Co., Norwalk, O.
Grover File Co., Nashua, N. H.
Lutz File Co. ("Lutz"), 806 Broadway, Cincinnati, O.
Mossman Jerome (Est. of), Fitchburg, Mass.
**NICHOLSON FILE CO.,** Providence, R. I. *See adv index at end of book*
O'Neil J. H. Jr., Pawtucket, R. I.
Osgood J. L. Tool Co. ("Indestructible"), Buffalo, N. Y.
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Robinson M. W. Co. ("Lock Jaw," "Rollis"), 296 B'way, New York
Rowe Henry Mfg. Co., Newaygo, Mich.
S. & I. Co., Springfield, Mass.
Sargent & Co., New Haven, Conn.
Smith J. B. (Jewelers, etc, Soft Wood, Plain & Hardwood Polished), Geneva, Ohio
Standard Turning Works, Cambridge, Mass.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
**STILES H. A. & CO.** ("Hasco Brand"), 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stossel Carl Sons & Co., Front Royal, Va.
Stratton Mfg. Co., Stratton, Me.
Strock L. W. & Co., Bethlehem, Pa.
Troy File Works ("Best"), Troy, N. Y.
Windham Handle Co. (Oak, Hickory & Ash), S Windham, Conn.

## 5839a—*Handles (Fishing Rod)

Bogert & Hopper, Inc. (Wood), 57 Barclay New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 5839b—Handles (Fly Killer)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5840— Handles (Force Cup)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
**STILES H. A. & CO.** 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5840a—Handles (Garage Door)

Richards-Wilson Mfg. Co., Aurora, Ill.
Stanley Works, New Britain, Conn. *See adv index at end of book*

## 5840-1a—Handles (Garden Floral Sets)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 5840b— Handles (Garment)

Wickwire Spencer Steel Corp. (Folding), Worcester, Mass. *See adv index at end of book*

## 5840c— *Handles (Gas Cock)

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles, H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5841— Handles (Gas Taper)

Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 5841a— *Handles (Gimlet)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 5841b—Handles (Grass Hook)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston Mass. *See adv index at end of book*

## 5842— Handles (Hammer)

American Handle Co. ("Ozark," "Chicot," "Bonnie," "American King"), Jonesboro, Ark.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Canfield Mfg. & Novelty Co., Canfield, O.
Clark-Danforth Handle Co., Cairo, Ill.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Graves & Stamp (Hickory), Des Arc, Mo.
Harrison Supply Co. (Connecticut Hickory), 209 Washington, Boston, 9, Mass.
Heiser J. B., Atwater, O.
Kile Mfg. Co., Akron, O.
La Pierre-Sawyer Handle Co., Jackson, Mo.
Medina Bending Works, Medina, O.
North American Handle Co., Fort Hill sq, Boston, Mass.
Peterson Samuel, Warren, Pa.
Piper B. H. Co., Manchester, N. H.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
**STILES H. A. & CO.,** 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stossel Carl Sons & Co. ("Royal" Hickory), Front Royal, Va.
Strock L. W. & Co., Bethlehem, Pa.
Thomasville Spoke Works Co., Thomasville, N. C.
Titusville Handle Co., Titusville, Pa.
Warner Hammer Co., Cromwell, Conn.
Warren Handle Works (Hickory, etc), Cortland, O.
Windham Handle Co., South Windham, Conn.

## 5843— Handles (Hard Rubber)

Stokes Jos. Rubber Co. (Various Designs), Trenton, N. J.

## 5843a—*Handles (Hatchet, Pick, Plane, Etc)

**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

## 5844— Handles (Hay Knife)

Piqua Handle & Mfg. Co. (Corn & Grass Hook), P. O. Box 307, Piqua, O.

## 5844a—*Handles (Hedge, Shear)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

## 5845— Handles (Hickory)

(AXE, PICK, HAMMER, SLEDGE, ETC.)

See also Handles, Wood

American Handle Co., Jonesboro, Ark.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Brusher J. B., Norristown, Pa.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cadillac Handle Co., Cadillac, Mich.
Canfield Mfg. & Novelty Co., Canfield, O.
Carpenter & Bayles, 100 Walker, New York
Clark-Danforth Handle Co., Cairo, Ill.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Deutch Arthur, Savannah, Ga.
Dickinson Chas. W., Ypsilanti, Mich.
Esfile Mfg. & Supply Co., Toledo, Ohio
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Fulkerson Bros. Handle Co. (Sledge), Puxico, Mo.
Gallup Ruffing Handle Co., Norwalk, O.
Graves & Stamp (Axes, Pick, Hatchet Sledge, etc), Des Arc, Mo.
Hartwell Bros. (Oak Wood), Chicago Heights, Ill.
Hartwell C. L. & Co. (Jack Handles), Chicago Heights, Ill.
Hartwell Handle Co. ("Wizard", "Baumer", "Ajax", "Star", "Hawk", "Lincoln", "Eclipse", "Eureka", "Liberty"), Harvey, Ill.
Harvey & Harvey, Augusta, Me.
Hickory Handle & Mfg. Co., Conover, N. C.
Ivory Handle Co., Hope, Ark.
I. X. L. Handle Mfg. Co. (Axe, Pick & Sledge), Dexter, Mo.
Keller & Tamm Mfg. Co. (Axe, Pick, Sledge), Victor & Levee, St. Louis, Mo.
Kelsey Horatio, Clinton, Conn.
Kile Mfg. Co. (Hammer, Hatchet & Tool), Akron, O.
Landis S. H. & Bro., Quakertown, Pa.
La Pierre-Sawyer Handle Co. (Axe, Pick & Sledge), Jackson, Mo.
Lewiston Handle Co. (Sledge), Lewiston, Me.
McCrillis Handle Co., Norwalk, O
Minton T. W. & Son, Barbourville, Ky.
North American Handle Co. Fort Hill sq. Boston, Mass.
Peterson Samuel, Warren, Pa.

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**Prouty C. & Co. (Sledge), Eldred, Pa.**
Ransome Concrete Machinery Co., Dunellen, N. J.
**Reuther-Scanlon Handle Co., Nashville, Tenn.**
**STILES H. A. & CO.,** 93-97 Oliver, Boston, Mass. *See adv index at end of book*
**STROCK L. W. & CO.,** Bethlehem, Pa.
**Tatem J. B. & Son, Putnam, Conn.**
**Titusville Handle Co., Titusville, Pa.**
**Turner, Day & Woodworth Handle Co., Louisville, Ky.**
United Handle Mills ("Monarch"), 149 B'way, New York
**Warren Handle Works (All Kinds), Cortland, O.**
**Willingham E. G. (Tool), Memphis, Tenn.**
**Windham Handle Co. (Axe, Pick, Hammer, etc), S Windham, Conn.**
**Worth H. P. & Co., 180 West, New York**
**Yingling Bros. & Co., Monroeville, O.**
**Zelnicker Walter A. Supply Co. ("Zelnicker"), 325 Locust, St. Louis, Mo.** *See adv index at end of book*
**Zimmerman J. N., Owosso, Mich.**

## 5845a—*Handles (Hollow Tool)

**Estes E. B. & Sons, 364 5th av, New York** ***See adv index at end of book***

## 5845b—Handles (Horse Clipper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York** ***See adv index at end of book***
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5846— Handles (Ice Hook)

**Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.**
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5846a—Handles (Ice Pick & Ice Shave)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York** ***See adv index at end of book***
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 5847—Handles (Imitation Stag)

**Rogers & Hubbard Co., Middletown, Conn.**

## 5847a—Handles (Incandescent Lamp Guard)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York ***See adv index at end of book***
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5848— Handles (Insulated)

**American Vulcanized Fibre Co. (Hard Fibre), 504 Equitable bldg, Wilmington, Del.**
Continental Fibre Co. ("Bakelite-Dilecto," & Hard Fibre), Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
**Diamond State Fibre Co. (Hard Fibre), Bridgeport, Pa.**
**National Fibre & Insulation Co. (Vulcanized Fibre), Yorklyn, Del.**
**Spaulding J & Sons Co., Inc. (Hard Fibre), P. O. Box, 52 Tonawanda, N. Y.** *See adv index at end of book*
**Standard Fibre Co., Miller St., Somerville, Mass.**
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn. *See adv index at end of book*
**WILMINGTON FIBRE SPECIALTY CO. (Hard Fibre), Wilmington, Del.** ***See adv index at end of book***

## 5849— Handles (Ivory)

**Grote F. & Hubbell Co., 82 4th av, New York**
**Kapp A. Jos. Sons Ivory Co., 124 E 14th, New York**
**Tower Sylvester Co., Cambridge, Mass.**
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn. *See adv index at end of book*

## 5849a— Handles (Kettle)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York** ***See adv index at end of book***
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
**Stiles H. A. & Co., 93-97 Oliver, Boston, Mass.** *See adv index at end of book*

## 5849b—Handles (Knife—Corn, Shoe, Kitchen, etc)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York ***See adv index at end of book***
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5849c— Handles (Ladle)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E B. & Sons, 364 5th av, New York** ***See adv index at end of book***
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5850—Handles (Lather Brush)

**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS, 364 5th av, New York.** ***See adv index at end of book***
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
**Stiles H. A. & Co., 93-97 Oliver, Boston, Mass.** *See adv index at end of book*

## 5851— Handles (Leather)

Badger Handle Co., 415-3rd, Milwaukee, Wis.
Graton & Knight Mfg. Co. (Trunk, Suit & Sample Case, etc), Worcester, Mass.
Nott W. S. Co. (Trunk, etc), 2d av N and 3d, Minneapolis, Minn.

## 5851a—Handles (Lubricator)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5852— Handles (Machine)

**Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.**
Bonney Vise & Tool Co. Works, Inc., Allentown, Pa. *See adv index at end of book*
**Cincinnati Ball Crank Co. (Steel), N. Oakley, Cincinnati, O.**
**New Britain Tool & Mfg. Co., New Britain, Conn.**
**Page-Storms Drop Forge Co., Chicopee, Mass.**
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Williams J. H. & Co. ("Vulcan" Drop Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## 5853—*Handles (Machine Wood)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 5853a—*Handles (Manicure Instruments)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

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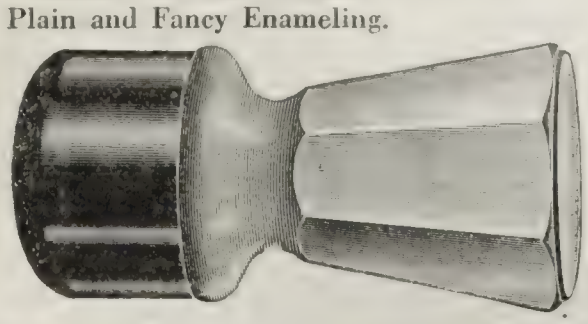

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MILLS:—Maine—Vermont—Massachusetts

## 5854—Handles (Microphone)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Scranton Button Co. (Corrugated Desk or Microphone), Scranton, Pa.

## 5855— Handles (Mop, Etc.)

See also Mop Sticks & Holders

Anchor Saw Mills Co., Memphis, Tenn.
**Bay State Mop Co., Woburn, Mass.**
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Borgeson C. E., 1775 Wilson av, Chicago, Ill.
Ely Theo. J. Mfg. Co., Girard, Pa.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Harper Brush Works, Fairfield, Ia.
Himmelberger-Harrison Lumber Co., Morehouse, Mo.
Piqua Handle & Mfg. Co. (Special Polished & Threaded), P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Turner T. J., Marked Tree, Ark.
Willey O. H., Bryan, O.

## 5855a— Handles (Oven Door)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 5856— Handles (Package)

Acme Handle Co., 181 W Houston, New York
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Eastern Handle Co., 36 Whittier, Boston, Mass.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Excelsior Package Handle Co., 118 N 2d, Phila., Pa.
Gem Stopper Co., 2120 Nicholas, Phila., Pa.
Grover R. A. Andover, Me.
**STILES H. A. & CO.**, 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Tie Co. (Common Book Handles, "Frazier," "Our Leader"), Unadilla, N. Y.

## 5857— Handles (Pail)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Gallup Ruffing Handle Co., Norwalk, O.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5858—Handles (Painter's Brush)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5858a—Handles (Parasol and Umbrella)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5858b— Handles (Percolator)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5858c—Handles (Phonograph Crank)

**BOGERT & HOPPER, INC.**, 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## Handles (Pike Pole)

**See Handles, Canthook & Peavey**

## 5859— Handles (Plow)

Atlanta Plow Co., Atlanta, Ga.
Dugger & Goshorn, Memphis, Tenn.
Eureka Bending & Wheel Works, York, Pa.
Farmville Mfg. Co., Farmville, Va.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Gantt Mfg. Co., Macon, Ga.
Harriman Mfg. Co., Harriman, Tenn.
Kelby G. A. Plow Co., Longview, Tex.
Look & Lincoln, Marion, Va.
Ohio Cultivator Co., Bellevue, O.
Oval Oak Mfg. Co., Siler City, N. C.
Parlin & Orendorff Co., Canton, Ill.
Phipps J. H. Lumber Co., Fayetteville, Ark.
Reuter Hub & Spoke Co., Dexter, Mo.
Rock Island Plow Co., Rock Island, Ill.
Swanson Plow Co., Muskogee, Okla.
Towers & Sullivan Mfg. Co., Rome, Ga.

## 5860—Handles (Pocket & Table Knife)

Cutler Pearl Mfg. Co., 55 Commercial, Newark, N. J.
Union Pearl Works (Pearl), 43 W 27th, New York

## 5861— Handles (Porcelain)

Mitchell-Bissell Co., 251 4th av, New York

## 5861a—Handles (Portable Lamp)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5862—Handles (Post Hole Digger)

Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 5862a—Handles—Pull (Water Closet)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5862b—*Handles (Putty Knife)

Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Handles (Rasp)

See Handles, File

## 5863— Handles (Ratchet)

Goodell-Pratt Co., Greensfield, Mass.
Waterbury Button Corp, 831 So. Main, Waterbury, Conn. *See adv index at end of book*
Yonts C. H. & Co., Meadville, Pa.

## Handles (Ratchet Brake)

See Handles, Brake or Controller

## 5864— Handles (Revolver)

Sansom John H. A (Pearl)., 174 Worth, New York
Union Pearl Works (Pearl & Ivory), 43 W 27th, New York

## 5864a—Handles (Rubber Stamp)

**BOGERT & HOPPER, INC.**, 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5865— Handles (Sad Iron)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Baker, McMillen Co., Akron, O.
Bless & Drake, 175 N J R R av, Newark, N. J.
**BOGERT & HOPPER, INC.** (Wood), 57 Barclay, New York *See adv index at end of book*
Cochrane, J. A. Brass Mfg. Co., 1403 E 40th, Cleveland, O.
Enterprise Mfg. Co. of Pa. ("Best"), 3d & Dauphin, Phila., Pa.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fanner Mfg. Co. ("Arctic" for Mrs., Potts Irons), Cleveland, O.
Gallup Ruffling Handle Co., Norwalk, O.
Grey Iron Casting Co. (Potts, etc), Mt. Joy, Pa.
Hoehn Fred, Cleveland, O.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
Piqua Handle & Mfg. Co., P O Box 307, Piqua, O.
Reading Saddle & Mfg. Co. ("Sure Grip," "Easy Lift"), Reading, Pa.
Sager Lock Co., North Chicago, Ill.
Schrayer's M. Sons & Co., 917 W 18th, Chicago, Ill.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Williams A. C. Co., Ravenna, O.

## 5866— Handles (Saw)

Bogert & Hopper, Inc. (Cross-Cut, Hand, etc.), 57 Barclay, New York *See adv index at end of book*
Chapin-Stephens Co. (Hand), Pine Meadow, Conn.
Columbus Handle & Tool Co. (Cross-Cut), Columbus, Ind.
Disston Henry & Sons (Cross-Cut, Hand, etc), Tacony, Phila., Pa.
Ely, Theo. J. Mfg. Co. (Cross-Cut), Girard, Pa.
Estes E. B. & Sons (Cross-Cut, Hand, etc), 364 5th av, New York *See adv index at end of book*
Jennings C. E. & Co., 71 Murray, New York
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Ransome Concrete Machinery Co. (Cross-Cut Saw), Dunellen, N. J.
**SIMONDS MFG. CO., Fitchburg, Mass.** *See adv index at end of book*
Stiles H. A. & Co. (Hand), 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5867—Handles (Screw Driver)

Allen Chas. I., Terryville, Conn.
Baker, McMillen Co., Akron, O.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Buck Bros., Millbury, Mass.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fuller J. J., Westfield, Mass.
Osgood J. L. Tool Co. ("Indestructible"), Buffalo, N. Y.
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Piqua Handle & Mfg. Co. (Wooden), P. O. Box 307, Piqua, O.
Sargent & Company, New Haven, Conn.
Stanley Rule & Level Co., New Britain, Conn.
**STILES H. A. & CO.**, 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Sun Enamel Works (Wood), Leominster, Mass.
Tuck Mfg. Co., Brockton, Mass.

## 5867a—Handles (Shaving Brush)

Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 5867b—Handles (Shoe Brush)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*
Williams & Hurd, West Arlington, Vt.

## 5868— Handles (Socket)

Stewart Frank H. Electric Co., ("Adjustable"), 35 N 7th, Phila., Pa.

## 5869—Handles (Soldering Copper & Iron)

Andrews Mfg. Co., 413 Commerce, Phila., Pa.
Baker, McMillen Co. (Wood), Akron, O.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Erie City Mfg. Co. (Fireproof), Erie, Pa.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Nashua Spool & Bobbin Co. (Wood), Grove Hall Station, Boston, Mass.
Osgood J. L. Tool Co. ("Indestructible"), Buffalo, N. Y.
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Piqua Handle & Mfg. Co. (Wooden), P. O. Box 307, Piqua, O.
Standard Turning Works, Cambridge, Mass.
STILES H. A. & CO. (Wood), 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stossel Carl Sons & Co., Front Royal, Va.
Sun Enamel Works, Leominster, Mass.
Windham Handle Co., South Windham, Conn.

## 5869a—Handles (Special Wood)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Handles (Store Door)

See Locks & Knobs, Door

## 5870—Handles (Tack Puller)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5870a—Handles (Tea & Coffee Pot)

Bogert & Hopper, Inc. (Enameled Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Enameled Wood), 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Handles (Timber Carrier or Lug Hook)

See Handles, Canthook & Peavey.

## 5870b—Handles (Tire Pump)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5871— Handles (Tool)

See also Handles, Various Kinds; also Handles, Wood

Bayless Mfg. Co. (Hammer, Hatchet, Sledge, Pick), Memphis, Tenn.
BOGERT & HOPPER, INC. (Small Tool Handles of all kinds), 57 Barclay, New York *See adv index at end of book*
Buck Bros. (Chisel Carving Tool, etc), Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burgess & Norton Mfg. Co. ("Bur-Nor" all Steel, Hollow Steel Handle, Shingling, Half Youths, Packing, Full Blade, etc), Geneva, Ill.
Delapierre Arthur, Inc., 19 Warren, New York
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Hartwell Handle Co. (Hickory), ("Wizard", "Banner", "Ajax", "Star", "Hawk", "Lincoln", "Eclipse", "Eureka", "Liberty"), Harvey, Ill.
Kelsey Horatio (Axe, Pick, Sledge, Hammer, etc.), Clinton, Conn.
Osgood J. L. Tool Co. ("Indestructible"), Buffalo, N. Y.
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Piqua Handle & Mfg. Co. (Chisel, Carving Tool, File, Auger, Screw Driver, Hammer, Ice Pick, Brad Awl, Trowel, Cleaver, Brace, Wrench, etc), P. O. Box 307, Piqua, O.
Pittsburgh Gage & Supply Co. ("Best-Ov-All"), 30th & Liberty av, Pittsburgh, Pa.
S. & I. Co. (Chisel, File, Hatchet, etc), Springfield, Mass.
Sargent & Company (Chisel, Brad Awl, etc), New Haven, Conn.
Schutz Bros., Inc., 152 Chambers, New York
Smith J. B. (Small, Plain & Polished), Geneva, O.
Standard Turning Works, Cambridge, Mass.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
STILES H. A. & CO., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co. (Small), Stratton, Me.
Sun Enamel Works (All Kinds, Enameled & Japanned, etc), Leominster, Mass.
U. S. Handle Co. (Farm Tools), Piqua, O.
Windham Handle Co. (Oak, Hickory & Ash, Axe, Pick, Chisel, File, etc), So. Windham, Conn.

## 5872—Handles (Torch Light)

Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 5873— Handles (Tray)

Brainerd Mfg. Co., East Rochester, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Weber-Knapp Co. (Cast Brass), Jamestown, N. Y.

## 5873a—Handles (Trowel)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5873b— Handles (Trunk)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5874— Handles (Tub)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Campbell Wire Specialty Wks., South Bend, Ind. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
STANLEY WORKS (Wrought Curved Plate), New Britain, Conn. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5875— Handles (Umbrella)

Ackerson S., 10 E 15th, New York
Bernheimer & Blumenthal Co., Inc., 138 W 14th, New York
Estes E. B. & Sons (Also Parasol), 364 5th av, New York *See adv index at end of book*
Levine P. & Co. (Gold & Silver), 247 Centre, N. Y.
Luxenberg & Haskell (Gold, Silver & Wood), 122 Centre, New York
Musser H. M. (With Gold & Silver Mounts), Lancaster, Pa.
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*

## 5876—Handles (Vacuum Cleaner)

Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 5877— Handles (Valve)

See also Wheels, Valve

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Steam), 364 5th av, New York *See adv index at end of book*
Gallup Ruffing Handle Co., Norwalk, O.
Holton-Abbott Mfg. Co. ("Komtsplit," Wood-Metal Unitized), 59 Goram, West Somerville, Mass.
Jenkins Bros. (Wood, Brass, Tee & Wire), 80 White, New York
Matthews H. A. Mfg. Co. ("Always Cold" Metal, Wire Bound), Seymour, Conn.
Piqua Handle & Mfg. Co. (Wooden), P. O. Box 307, Piqua, O.
Standard Turning Works, Cambridge, Mass.
STILES H. A. & CO., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5878-9—Handles (Wagon)

Searls Mfg. Co. (Milk, Express Vans, etc), 29 Mulberry, Newark, N. J.

## 5879a—Handles (Wall Scraper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5879b— Handles (Wash Boiler)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*

## 5879c—Handles (Whisk Broom)

BOGERT & HOPPER, INC., 57 Barclay, New York *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 5880—Handles (White Metal)

Krouse W. E. & Bro. (For Umbrellas, Canes, Whips, etc), Bridgeport, Conn.

## 5880a—*Handles (Window Brush)

Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5881—Handles (Window & Shutter)

STANLEY WORKS (Wrought Steel), New Britain, Conn. *See adv index at end of book*

## 5882— Handles (Wire Drop)

Clark W J. Co., Salem, O.
New Standard Hardware Works, Mt. Joy, Pa.
Sitchener, E. H. & Co., Binghamton, N. Y.
Stover Mfg. & Engine Co. (For Stoves etc), Freeport, Ill.

## 5883— Handles (Wood)

### ALABAMA.

SHORTLEAF—Wittel E. S. & Son
UNION SPRINGS—

### ARKANSAS.

CALDWELL—Campbell J. M.
DERMOTT—Burleigh R. & Sons
FORT SMITH—Fort Smith Handle Co.
HOPE—Ivory Handle Co. (Hickory)

JONESBORO — American Handle Co. (Hickory)
Jonesboro Handle Co. (Farm Tool, Ash)
MARKED TREE—Turner T. J.
PARAGOULD—Hickson-Rogers Mfg. Co.
RECTOR—Kelly Handle Co.

### CONNECTICUT.

CLINTON—Kelsey Horatio (Axe, Pick, Small Tools, etc)
EASTFORD — Keith J. M. & Co. (File, Chisel, etc)
Tatem J. M. Handle Co. (Pick & Sledge)
MADISON—Whedon Webster D.
NEW HAVEN—Gibbs W. F. Mfg. Co.
PEQUABUCK — Allen Chas. I. (File, Chisel, Screw-Driver), etc)
PINE MEADOW — Chapin-Stephens Co. (Plane, Saw, Chisel & File)
PUTNAM—Tatem J. B. & Son (Chisel, Lawn Mower, Leather Capped)
SALISBURY — Salisbury Cutlery Handle Co. (Cutlery)
SEYMOUR—Swan Jas. Co. (Auger, Bit, Chisel)
SOUTH WINDHAM — Windham Handle Co. (Oak, Hickory & Ash, Axe, Pick, Chisel, File, etc)
SOUTHINGTON—Peck, Stow & Wilcox Co.
Southington Mfg. Co.
TORRINGTON—Union Hardware Co.
WALLINGFORD—Ives W. A. Mfg. Co. (Auger)

### DELAWARE.

WILMINGTON—Basic Mfg. Co.

### GEORGIA.

ATLANTA — Atlanta Woodenware Co. (Axe, Broom, etc)
DARIEN—Altamaha Woodworking Co.
ROME—Towers & Sullivan Mfg. Co. (Plane)
SAVANNAH—Deutch Arthur (Axe)

### ILLINOIS.

CAIRO—Clark-Danforth Handle Co. (Edge Tool, Hammer, etc)
CHICAGO—Borgeson C. E., 1775 Wilson av
Cassaday Fairbank Mfg. Co. (For Small Tools, etc), 6126 S La Salle
Fischer & Hayes Rope & Steel Co, 742-744 W Van Buren
*See adv index at end of book*
Slauf Mfg., 703 S Clinton
CHICAGO HEIGHTS — Hartwell Bros. (Pick & Sledge)

### INDIANA.

ALTON—Peckinpaugh, Harrison & Co.
AUBURN—Auburn Handle Co.
BLUFFTON—Buck J. M. & Co.
COLUMBUS—Columbus Handle & Tool Co.
CORUNNA—Reynolds Bros.
DECATUR—Lafontaine Handle Co.
FORT WAYNE—National Handle Co.
GREENCASTLE—Bittles Raser (D. Handles)
INDIANAPOLIS—Atkins E. C. & Co. (Cross Cut Saw)
Udell Works (Brush, Duster, etc)
KOKOMO—Buck D. & Co. (Ash)
LEBANON—Wilcox Bros. Mfg. Co.
LOGANSPORT—Hillock & Pitman Co. (All Kinds)
MARION—Marion Handle & Mfg. Co.
MOORES HILL—Bigney Marion E.
MUNCIE—Griffith G. V. & Son
NEWCASTLE—Bond W. C. (D. Handles)
Jennings S. P. & Sons
NEW HAVEN—Schnitker & Sons Co.
Sperry Mfg. Co.
SOUTH BEND—South Bend Dowel Works
Stevenson Mfg. Co.
*See adv index at end of book*
TERRE HAUTE—Terre Haute Handle Co. (Shovel, etc)
VINCENNES—Indiana Handle Co.
WINCHESTER—Boltz B. F. Mfg. Co.

### IOWA.

OTTUMWA—Lindsay Mfg. Co.

### KENTUCKY.

LOUISVILLE—Turner, Day & Woolworth Handle Co. (Axe, Pick, Sledge, Hammer, Hatchet & Mining Tool)
NEW HAVEN—Greenwell N. Lumber Co.
RED LICK—Cummins & Co.

### MAINE.

DIXFIELD—Stowell N. S. & Co. (Small Tools, etc)
ELLSWORTH—Ellsworth Hardwood Co.
FREEDOM—Freedom Lumber Co.
HIRAM—Cotton Lemuel & Son (Axe, etc)
LEWISTON—Lewiston Handle Co. (Shovel, Spade, etc)
NORWAY—Novelty Turning Co. (Knife, File, Small Tool, Lather & Stencil Brush, etc)
ROXBURY—Swain & Reed
STRATTON—Stratton Mfg. Co. (Turned Wood)
WEST PARIS—Mann Lewis M. & Son

### MARYLAND.

BALTIMORE—Dittmar John & Sons, 800 E Pratt

### MASSACHUSETTS.

BOSTON—Ames Shovel & Tool Co., Ames bldg
Nashua Spool & Bobbin Co. (All Kinds & Sizes), Grove Hall Sta., Boston, Mass.
North American Handle Co. (Hickory Axe, Pick, Sledge & Hammer) Fort Hill sq
STILES H. A. & CO., (Broom, Mop, Tool, Valve, Plain, Enameled, Polished, etc), 93-97 Oliver
*See adv index at end of book*
CAMBRIDGE—Standard Turning Works
CHARLEMONT—Frary Mfg. Co.
FITCHBURG—Cushing S. G. & Son, 29 Newton pl
Fitchburg Enamel Co.
Mossman Jerome (Est. of)
GREENFIELD—Rugg Mfg. Co. (Rake Ash, Hoe & Hardwood Broom, Bush, Mop, etc)
LEOMINSTER—Sun Enamel Works
PLAINFIELD—Willcutt G. L.
WATSON—Thayer Geo. A. (Mechanical Tool Handles, Gauge Cocks & Radiator Valve Handles)
WEST CHESTERFIELD—Healy's S. A. Sons (Plane & Saw)
WESTFIELD—Fuller J. J.
WEST MILLBURY—Glover H. W.

### MICHIGAN.

ALBA—Jones B. E. Mfg. Co. (Broom, etc)
Nichols A. W.
BELLAIRE—Richardi & Bechtold
CADILLAC—Cadillac Handle Co. (Broom Torch, etc)
COLDWATER—Hellenberg J. B. Co. (Mallet, Rammer, etc)
DETROIT—Detroit Wood Products Co., 100 Horatio
ESCANABA—Escanaba Mfg. Co. (Broom Mop)
EVART—Davy & Co.
FREEPORT — Cheesebrough Thos. E (Rake)
LUCAS—Kelly D. B.
LUDINGTON—Handy Things Mfg. Co (Brush Duster, Small Tool, etc)
LYONS—Lyons Handle & Furniture Co.
NADEAU—Nadeau Bros.
NEWAYGO—Rowe Henry Mfg. Co. (Turned)
ONAWAY—Lobdell Emery Mfg. Co. (Broom Handles)
OWOSSO—Zimmerman J. N. (Hickory)
PARK LAKE—Du Roy Mfg. Co.
THREE RIVERS—Hicksville Handle Co.
VANDERBILT—Olds & Hixson (Brooms)
YPSILANTI—Dickinson Chas. W. (Pick & Sledge)

### MINNESOTA.

MINNEAPOLIS—Curtis-Yale-Howard Co. (Carpet Beater, Egg Beater, etc), 1805 S E 5th

### MISSISSIPPI.

MATHISTON—Buckingham W. J. & Son
SARDIS—Carrier Lbr. & Mfg. Co.

### MISSOURI.

DES ARC—Graves & Stamp (Hickory, Axe, Pick, Sledge, Hatchet, Hammer, etc)
DEXTER—I. X. L. Handle Mfg. Co. (Pick & Sledge)
GIDEON—Gideon-Anderson Lbr. & Merc. Co.
HUNTSVILLE—Huntsville Handle Mfg. Co.
JACKSON—La Pierre-Sawyer Handle Co.
MALDEN—U. S. Cooperage Co.
MOREHOUSE — Himmelberger-Harrison Lumber Co. (Mop, etc)
POPLAR BLUFF—Hanna & Young Handle Co.
Poplar Bluff Handle Works
PUXICO—Fulkerson Bros. Handle Co.
ST. LOUIS—Cupples Samuel Woodenware Co. (Hickory), 7th & Spruce
Keller & Tamm Mfg. Co. (Axe, etc), Victor & Levee
Zelnicker Walter A. Supply Co. ("Zelnicker"), 325 Locust
*See adv index at end of book*
WYACONDA—Morgan Mfg. Co. (Axe, Pick, Sledge, Maul, Hammer, Hatchet, etc)

### NEBRASKA.

LINCOLN—Lee Broom & Duster Co. (Broom, Duster, etc.)

### NEW HAMPSHIRE.

KEENE—Burdett Chair & Handle Mfg. Co.
Pierce F. B. Co. (Brush)
MANCHESTER—Piper B. H. Co. (Axe, etc)
MILFORD—Peirce W. E. & Co. (Pick, Sledge, Hammer, Chisel, Tool, etc.)
NEW DURHAM—Allen Mfg. Co. (Wood Turning & Enameling Div.) (Brush Enameled & Plain, etc.)
NORTH WEARE—Flanders Hardware Co.
RUMNEY—Keniston Geo. D. & Son

### NEW JERSEY.

DUNELLEN—Ransome Concrete Machinery Co.
HOBOKEN—Bantz Bros. (Brush, etc)
NEWARK—Kohaut John C, 117 Green
Sommer John Faucet Co., 30 Morris
SINGAC—Sanderson Robt. (Brush)

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AMSTERDAM—American Broom & Brush Co. (Broom)
Amsterdam Broom Co. (Broom & Mop)
AUBURN—Cady Mfg. Co.
BLEEKER—Ellis & Smith (Broom)
Peters' John M. Sons


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We operate mills making *all kind of Turned Wood Work, Foreign and Domestic Woods.* Our mills are equipped with the latest machinery and located in the most advantageous places. We can furnish any finish desired. Send us your sample handles. B. P., or any article made of wood, and we will quote you.

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NEW YORK—American Woodworking Co., 19 Warren
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*See adv index at end of book*
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United Handle Mills ("Monarch"), (Hickory & Ash), 149 B'way
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CONOVER—Hickory Handle & Mfg. Co.

### OHIO.

AKRON—Baker, McMillen Co. (Screw Driver, File, Duster, Small Tool)
Kile Mfg. Co. (Hickory Hammer, Hatchet & Toy)
ALLIANCE—Buckeye Handle, Gear & Bending Co.
BELLEVUE—Ohio Cultivator Co.
BROADWAY—Goff W. H.
BRYAN—Willey O. H.
BUTLER—Richland Handle Co.
CANFIELD—Canfield Mfg. & Novelty Co.
CLEVELAND—American Fork & Hoe Co. (Fork, Rake, Hoe, Shovel, Spade, etc), Swetland bldg
Cleveland Osborne Mfg. Co. (For Push Brooms), 5405 E Hamilton
*See adv index at end of book*
National Handle Co. (Broom, Fork, Hoe, Rake, Spade, etc)
COLUMBIANA—Columbiana Mfg. Co.
COLUMBUS—Union Fork & Hoe Co. (Hoe, Rake, etc.)
COLUMBUS GROVE—Jones J. F. Sons (Golf & Shaved)
DELPHOS—Schaffer J. C.
EATON—Hiestand & Co.
EDON—Sheline E. R. & Son
FINDLAY—National Handle Co.
GALION—Galion Handle & Mfg. Co.
GENEVA—Smith J. B. (Tool)
HICKSVILLE—Crook Son & Co.
Hicksville Handle Co.
Miller Mfg. Co.
LIMA—Selfridge O. B. Co.
MARYSVILLE—Lentz' C. F. Sons
MESOPOTAMIA—Noble E. L.
MONROEVILLE—Yingling Bros. & Co.
NAPOLEON—Napoleon Lumber & Handle Co.
NEW BREMEN—Brockie J. W.
Clark Allen & Co.
NORWALK—Gallup Ruffing Handle Co. (Special, File, Sad Iron, Valve, etc)
McCrillis Handle Co. (Pick)
PIQUA—Piqua Handle & Mfg. Co. (Rake, Fork, Hoe, Chisel, File, Auger, Screw Driver, etc), P. O. Box 307
U. S. Handle Co.
SIDNEY—Benjamin C. W.
SPENCERVILLE—Reynolds, W. A. Lumber Co.
SPRINGFIELD—Bryant Mfg. Co.
VALLEY CITY—Wood Frank V.
WAPAKONETA—Standard Churn Co. (Hay, Rake, Hoe & Broom)
WASHINGTON C. H.—Washington Handle Co.
Washington Mfg. Co.

### OREGON.

PORTLAND—Portland Basket & Handle Co.

### PENNSYLVANIA.

BEDFORD—McLaughlin J. L. & Sons (Axe)
BETHLEHEM—Strock L. W. & Co. (Chisel, Hammer, Hatchet, Axe, Pick, Sledge, File, Eyeless Pick, etc)
CODORUS—Codorus Mfg. Co.
CORRY—Mahle C. A. & Son (Ltd.) (For Small Tools)
CORYDON—Keystone Handle Co.
ELDRED—Prouty C. & Co. (Cross-Cut, Cant Hook, etc)
ELKLAND—Sheldon H. Mfg. Co. (Fan & Fly Swatter)
ERIE—Erie City Mfg. Co. ("Arrow" Cross-Cut Saw, Mop)
GIRARD—Ely Theo. J. Co.
HOWARD—Howard Handle & Spoke Co.
KANE—Holgate Bros. Co. (Brush)
KINZUA—Sheldon Handle Co.
LAKE COMO—Williams H. A.
NORRISTOWN—Brusher J. B. (Axe, Pick, Sledge, Hammer & Hatchet)
PASSER—Hottel Benjamin K.
PHILADELPHIA—Weber Chas., 234 Ionic
PICTURE ROCKS—Handle & Excelsior Co.
QUAKERTOWN—Landis S. H. & Bro.
READING—Reading Wood Pulley Co.
TITUSVILLE—Tittusville Handle Co. (Axe, Pick, Sledge Hammer, Hatchet & Cant Hook)
Clark Haniel & Son (Shovel)
Novelty Wood Works Co. (Small Tool)
WARREN—Peterson Samual (Ash & Hickory, Axe, Pick, Sledge, Mining, etc

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Narragansett Machine Co.

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COOKEVILLE—Gregory T. J. Handle Works
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ERIN—Goodwin L. P. (Axe, etc)
HARRIMAN—Harriman Mfg. Co.
JOHNSON CITY—Harris Mfg. Co. (Plow)
KNOXVILLE—Colonial Handle Co. (Hickory)
LAWRENCEBURG—Wylie A. P. Mfg. Co.
McMINNVILLE—Burroughs-Ross-Colville Co.
MANCHESTER—Manchester Mfg. Co.
MEMPHIS—Anchor Saw Mills Co. (Broom & Fork)
Bayless Mfg. Co. (Hickory, Ash, Gum, Oak)
Willingham E. G. (Hickory)
NASHVILLE—Turner, Day & Woolworth Handle Co. (Axe, Pick, Sledge & Mining Tool Handles)
Reuther-Scanlon Handle Co.
SEQUATCHIE—Sequatchie Handle Works
TULLAHOMA—Campbell M. R.

### VERMONT.

BELLOWS FALLS—Derby & Ball (Fork, Scythe, Snaths, etc)
BURLINGTON—Vermont Shade Roller Co. (Mop)
EAST BARNET—Roy Bros.
WEST ARLINGTON—Williams & Hurd

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COLUMBIA—Baker H. P. & Co.
FARMVILLE—Farmville Mfg. Co. (Plow)
FRONT ROYAL—Stossel Carl Sons & Co.
JETERSVILLE—Warriner R. B.
MARION—Look & Lincoln (Plow)
RICHMOND—Brinser E. C. Sons

### WEST VIRGINIA.

BERKELEY SPRINGS—Crosfield Wm.
CHARLESTON—Kelly Handle Co. (Axe)

### WISCONSIN.

CAMERON—Oak Grove Handle Co.
MERRILL—Hieb Box Mfg. Co.
WAUSAU—Curtis & Yale Co. (Carpet Beater, Egg Beater, etc)

## 5883a— Handles (Wrench)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
***See adv index at end of book***
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 5884—Handles & Rollers (Lawn Mower)

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*See adv index at end of book*
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**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

## 5885—Hands (Clock & Watch)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*
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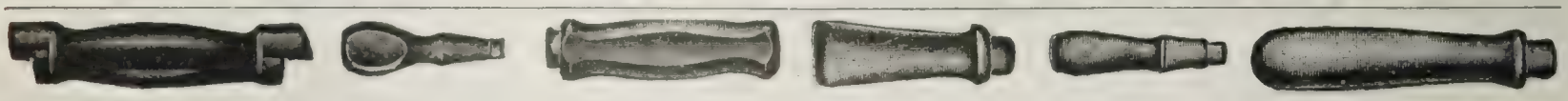
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*For branch offices see adv index at end of book*

## 5886b—Hangars (Aeroplane)

American Bridge Co., 30 Church, New York
Anchor Corrugating Constr. Co., 140 Washington, New York
Ashley Steel Building Co., Inc. (Portable), 1790 B'way, New York
Austin Co., 14230 Euclid av, Cleveland, O.
Barney John M., 250 W 108th, New York
Howell, Field & Goddard, Inc., Review av, Long Island City, N. Y.
Keasby & Mattisen, Ambler, Pa.
Pruden C. D. Co., Dock & Warner, Baltimore, Md.
Va. Bridge & Iron Co., Roanoke, Va.

## Hangers (Arc Lamp)

See Insulators, Arc Lamp

## 5887—Hangers (Building Bracket)

Wagner Mfg. Co., Cedar Falls, Ia.

## 5888— Hangers (Cable)

See also Hangers, Electric Cable
Joslyn Mfg. & Supply Co., Chamber of Commerce bldg, Chicago, Ill.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

## 5889— Hangers (Concrete)

Duplex Hanger Co. ("Duplex"), E 53d & Lakeside av, Cleveland, O.
Flagg Stanley G. & Co. (Mall. Iron), Morris bldg, Phila., Pa.
Hill Clutch Co., W 65th, Cleveland, O.
**Mulvey Mfg. Co. (Block Joist), 1840 Carroll av, Chicago, Ill.**
**Perkins Appliance Co., Springfield, Mass.**

## 5890—Hangers (Conductor Pipe)

See also Hangers, Eave Trough
Iwan Bros. (Wire), South Bend, Ind.
Klauer Mfg. Co., Dubuque, Ia.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Milwaukee Corrugating Co., Milwaukee, Wis.
**Ohio Corrugating Co., Warren, O.**
**Reeves Mfg. Co., Dover, O.**
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 5891— Hangers (Conduit)

Appleton Elec. Co., Wellington & Paulina, Chicago, Ill.
Chicago Expansion Bolt Co. ("Chicago"), 324 W Washington, Chicago, Ill.
Columbia Metal Box Co., 226 E 14th, New York
Condit Electrical Mfg. Co. ("Shawmut"), 1st & L, Boston, Mass.
Free & Mason, 81 Beekman, New York
Fralick S. R. & Co., 15 S Clinton, Chicago, Ill.
Grabler Mfg. Co., Cleveland, O.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Ill. Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Kales Stamping Co., 459 Lafayette W, Detroit, Mich.
Lanz, M. & Sons, 2907 Carson, Pittsburgh, Pa.
Leahy, John J., 48 Dey, New York
Lovell F. H. & Co., Arlington, N. J.
Minerallac Elec. Co., 1045 Washington blvd, Chicago, Ill.
North Western Stamping Co., Burlington, Ia.
Pass & Seymour, Solvay, N. Y.
Thomas & Betts Co., 63 Vesey, New York
Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.
Wrigley Thomas Co., 504 Sherman, Chicago, Ill.

## 5892-3— Hangers (Cut-Out)

Brady Elec. Mfg. Co., New Britain, Conn.
Cutter Geo. Co., South Bend, Ind.
High Tension Elec. Spec. Co. Newton, Mass.
Metropolitan Engng. Co., 1250 Atlantic av, B'klyn, N. Y.
Phila. Elec'l & Mfg. Co., 1236 N 31stst, Phila., Pa.
Thompson Electric Co. ("Thompson" Safety Automatically cuts out any Lamp in a Multiple Circuit, & lowers it), 5606 Euclid, Cleveland, O.

## Hangers (Door)

See Door Hangers.

## 5894—Hangers (Eave-Trough)

Abbott Mfg. Co. ("Peerless," Galvanized Sheet Steel), 4714 Central av, S E, Cleveland, O.
American Rolling Mill Co., Middletown, O.
Andrews Wire & Iron Works, Rockford, Ill.
Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Bell J. W. Co., Mercer, Pa.
**Berger Bros. Co., 229 Arch, Phila., Pa.**
**Berger L. D. Co., 59 N 3d, Phila., Pa.**
Berger Mfg. Co. (Steel & Wire), Canton, Ohio
Bostwick Steel Lath Co., Niles, O.
Cambridge Roofing Co., Cambridge, O.
Canton Art Metal Co., Canton, O.
Canton Cornice & Skylight Co. ("Batdorff's"), Canton, O.
Clark-Smith Hardware Co. ("Peoria"), Peoria, Ill.
**Delphos Mfg. Co., 1st & Pierce, Delphos, O.**
Dowman-Dozier Mfg. Co., Atlanta, Ga.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Eller Mfg. Co., Canton, O.
Eureka Fence Mfg. Co. ("Richmond" Adjustable), Richmond, Ind.
Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.
Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.
Harman Eave Trough Hanger Co., New Philadelphia, O.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Horan Stay Hanger Co., 1932 W Jefferson, Louisville, Ky.
Joliet Mfg. Co., Joliet, Ill.
Klauer Mfg. Co., Dubuque, Ia.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
**Ohio Corrugating Co., Warren, O.**
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
**Reeves Mfg. Co. ("Dover" Wire), Dover, O.**
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (Eave Trough & Conductor Pipe Fittings), Wheeling, W. Va.
Wusterbarth Bros., Meriden, Conn.

## 5895—Hangers (Electric Cable)

Allen Iron & Steel Co., 3d & Venango, Phila., Pa.
Anderson Albert & J. M. Mfg. Co. (Feed Wire Insulators), 289 A, Boston, Mass.
Anderson Forge & Machine Co. (Manhole Cable), Detroit, Mich.
Anderson W. H. Tool & Supply Co. (For Manholes), 184 Brush, Detroit, Mich.
Baughn Electric Co., Hopkinsville, Ky.
Bissell F. Co., Toledo, O.
Bonita Mfg. Co., Hancock & Columbia, Phila., Pa.
Bonney Vise & Tool Co. Wks., Inc. "Cable Clips"), Allentown, Pa
*See adv index at end of book*
Cameron Appliance Co. ("Locke"), Everett, Mass.
**Condit Electrical Mfg. Co. ("Boston"), 1st & L, Boston, Mass.**
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
**DIAMOND EXPANSION BOLT CO.** ("Long-Saut"), 89 West, New York
*See adv index at end of book*
**Electric Service Supplies Co., 17th & Cambria, Phila., Pa.**
**Empire Galvanizing Co. (Galvanized), 2507 E Cumberland, Phila., Pa.**
Eureka Supply Co., Sewell, N. J.
Fletcher Mfg. Co. (Iron Insulated, etc), Dayton, O.
Hallett Iron Works, Harvey, Ill.
Harvard Elec. Co., 525 Van Buren, Chicago, Ill.
**Hubbard & Co., 63d & Butler, Pittsburgh, Pa.**
Krantz Mfg. Co. ("Tower"), 160 7th, Brooklyn, N. Y.
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
Lingle Mfg. Co., Clinton, Mo.
**Minerallac Electric Co., 1045 Washington blvd, Chicago, Ill.**
National Telephone Supply Co. ("Universal"), 5100 Superior av, Cleveland, O.
Norton W. T., West Park, O.
Oliver Iron & Steel Co., S 10th & Muriel, **Pittsburgh, Pa.**
Pettingell-Andrews Co. ("O'Neill"), 166 Pearl, Boston, Mass.
Reliable Elec. Co., 411 S. Sangamon, Chicago, Ill.
Rhode Island Telephone & Electric Co. ("Wright"), 55 Pine, Providence, R. I.
Standard Underground Cable Co. ("Nordyke") Supports), Westinghouse bldg, Pittsburgh, Pa.
Steel City Elec. Co., 1207 Columbus av, Pittsburgh, Pa.
Wrigley Thos. Co., 504 Sherman, Chicago, Ill.

## 5895a—Hangers (Fixture and Box)

Austin M. B. & Co. (Sole Selling Agts., Economy Elec. Specty. Co.), 706 Jackson blvd, Chicago, Ill.
Cutter Geo. Co., 415 Notre Dame, So Bend, Ind.
Fee & Mason, 81 Beekman, New York
Harter Mfg. Co., 522 S Clinton, Chicago, Ill.
Harvard Elec. Co., 525 W Van Buren, Chicago, Ill.
Inland Elec. Co., 16 N Franklin, Chicago, Ill.
Overbagh Cameron, 224 W Illinois, Chicago, Ill.
Paine Co., 140 Dearborn, Chicago, Ill.
Williamson R. & Co., Washington & Jefferson, Chicago, Ill.

## 5895b—Hangers (Garage Door)

Allith Prouty Co., Danville, Ill.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Hune, Helen, Ferris & Co., Harvard, Ill.
Lane Bros. Co., Poughkeepsie, N. Y.
Louden Machy. Co., Fairfield, Ia.
McCabe Hanger Mfg. Co., 426-428 W 25th, New York *See adv index at end of book*
McKinney Mfg. Co., Locust, Phila., Pa.
Myers F. E. & Bro., 900 4th, Ashland, O
*See adv index at end of book*
National Brass Co., Grand Rapids, Mich.
Richards Wilcox Mfg. Co., Aurora, Ill.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 5896— Hangers (Garment)

American Mfg. Concern (Adv.), Falconer, N. Y.
Andrews Wire & Iron Works ("Androck" "Ideal," Trousers, Garment, etc.), Rockford, Ill.
**AUTOMATIC WIRE GOODS MFG. CO.** (Folding & all kinds wire), 12-15 Canal pl., New York
*See adv index at end of book*
Belmar Mfg. Co., Canton, Pa.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Brager B. (Combination Wood & Wire), 84 5th av, New York
Brooks M. S. & Sons (Folding Coat), Chester, Conn.
Buckingham Rae Co., 208 S La Salle, Chicago, Ill.
Caldwell Mfg. Co., ("Up-to-Date"), Rochester, N. Y.
Canham Victor H. & Co., Buffalo, N. Y.

HANGERS (GARMENT)—continued

Cassady Fairbank Mfg. Co. (Skirt, Trousers, Coat, etc., "Ruby," "Euclid," "Columbia," "Mathews," "Ely," "Jerrems"), 6126 S La Salle, Chicago, Ill.
Chicago Form Co., 411 So. Wells, Chicago, Ill.
Collapsible Form Hanger Co., 107 W 25th, New York
Dawson J. R. Mfg. Co., 3646 N Lawrence, Phila., Pa.
Dean & Williams Co. (Black Diamond), 4317 Elston av, Chicago, Ill.
Eclipse Co. (Wooden), N Girard, Pa.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Forsyth Metal Goods Co., E. Aurora, N. Y.
Freshour Henry C. ("Perfect"), Bridgeport, Conn.
Greenwald Display Fixture Co., 234 5th av, New York
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hampden Toy Co. ("Paragon De Luxe"), Westfield, Mass.
Heitler, Kurt, 221 4th av, New York
Hincher Mfg. Co. ("Peerless"), Washington, Ind.
Jencks E. Mfg. Co. (Coat, Trousers, Folding, etc), Worcester, Mass.
Jenkinson R. C. & Co. (Wire Coat, etc), 293 Washington, Newark, N. J.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.

Keonig D. B. & Co., Hazelton, Pa.
L. A. W. Novelty Co. ("Buxton" Folding), Springfield, Mass.
Lewald F. & Co., 500 S. Wells, Chicago, Ill.

Nagely John, Toledo, O.
National Hanger & Fixture Mfg. Co. ("Faultless"), 496 E 134th, New York
Parker Wire Goods Co. (Wire), Worcester, Mass.
Parkesburg Stamping & Mfg. Co. (Wire), Parkesburg, Pa.
Pratt Wm. E. Mfg. Co. ("Perfect"), 35 W Lake, Chicago, Ill.
Pullman Mfg. Co. (Rods & Loops ("Pullman-Rochester"), Rochester, N. Y.
Racine Iron & Wire Works (Coat), Racine, Wis.

Rocky Hill Hardware Co. ("Leader," "Delespo," "Duplex"), Rocky Hill, Conn.
Sachnoff G. & Co. (Wire), 138 Mott, New York
Seed Filter & Mfg. Co. ("Victor"), 73 Franklin, New York

Standard Fibre Co. (Fibre Coat Hangers), Miller st, Somerville, Mass.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Taplin Mfg. Co. ("Victor" Folding), New Britain, Conn.
Taylor Mfg. Co. ("Taylor," All Kinds), Princeton, Ind.
Thurman Mfg. Co., Madera, Cal.
Timberlake J. B. & Sons (Wire), Jackson, Mich.
Troy Wire Goods Co., Troy, N. Y.
U. S. Lock & Hardware Co., Columbia, Pa.
Wayne Paper Goods Co., Ft. Wayne, Ind.
West Electric Hair Curler Co. ("Elco"), Hancock & Columbia, Phila., Pa.
West Lafayette Mfg. Co. (Coat), West Lafayette, O.
Wickwire Spencer Steel Corp. (Folding), Worcester, Mass.
*See adv index at end of book*
Wire Goods Co., Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

Wisconsin Textile Mfg. Co., Two Rivers, Wis
Woods-Sherwood Co. (Wire), Worcester, Mass.

## 5896a— *Hangers (Gate)

McCabe Hanger Mfg. Co., 426-428 W 25th, New York *See adv index at end of book*
**MYERS F. E. & BRO.**, 900 Fourth, Ashland, O. *See adv index at end of book*

## 5897— Hangers (Harness)

Berry Chas. E. ("Berry" for Swing Harness for Fire Dep'ts, etc.), Somerville, Mass
Imperial Bit & Snap Co. ("Imperial") Racine, Wis

## 5898—Hangers (Hinge & Rail)

Grabler Mfg. Co. (Forged, etc.), Cleveland, O.
**MYERS F. E. & BRO.** ("Myers"), 900 Forth, Ashland, O.
*See adv index at end of book*
Safety Door Hanger Co., Ashland, O.

## 5899— Hangers (Joist)

Bethlehem Steel Co., So. Bethlehem, Pa.
Bragstad Concrete Mach'y Co., Inc., Canton, S. Dak.
Chesapeake Iron Works, Westport, Baltimore, Md.
Chicago Builders' Specialties Co., 11 S La Salle, Chicago, Ill.
Clark W. J. Co. ("Lane"), Salem, O.
Columbian Hardware Co. ("Cleveland," "Buckeye"), Cleveland, O.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Duplex Hanger Co. ("Duplex"), E 53d & Lakeside av, Cleveland, O.
Ernst C K, Buffalo, N. Y.
Ernst's Chas. F. Sons (Steel), Buffalo, N. Y
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Goetz Box Anchor Co., New Albany, Ind.
Hastings Foundry & Iron Works, Hastings, Neb.
Heughes F. L. & Co. ("Heughes"), Rochester, N. Y.
Ideal Hanger Co., Cleveland, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lane Bros. Co. (Steel), Poughkeepsie, N. Y.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Londelius C. A. & Sons Co., 847 W 63d, Chicago, Ill.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Mulvey Chas. Mfg. Co., 1840 Carroll av, Chicago, Ill.
National Iron & Wire Co. (Steel), Cleveland, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Philips A. A. Jr, 2219 Pitkin av, Brooklyn, N. Y.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Rieseck Iron Works (Wrought Steel), 1201 Metropolitan, Pittsburgh, Pa.
St. Louis Wire & Iron Co., St. Louis, Mo.
Smith A. L. Iron Works, Chelsea, Mass.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Stolz Jos. & Sons, Inc., 841 E 136th, New York
Truscon Steel Co. (Kahn System), Youngstown, O.
Van Dorn Iron Works Co. (Steel), 2700 E 79th, Cleveland, O.
Western Builders' Supply Co. (Steel), 135 2nd, San Francisco, Cal.
Western Iron & Foundry Co., Wichita, Kans.

## 5900—Hangers (Messenger)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Joslyn Mfg. & Supply Co., Chamber of Commerce bldg, Chicago, Ill.

## 5901— Hangers (Mine)

Electric Railway Equipment Co. ("Black Diamond"), Cincinnati, O.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Ohio Brass Co. (& Insulated Trolley), Mansfield, O.
*See adv index at end of book*

## Hangers (Picture)

See Hooks, Picture

## 5902— Hangers (Pipe)

Acme Mfg. Co. ("Acme," Brass), Bangor, Me.
Barrett Jas. Mfg. Co. (Brass), 117 Pearl, Boston, Mass.
Beaton & Cadwell Mfg. Co. ("Perfection," "Jumbo," Malleable Iron, Steel and Galvanized Band), New Britain, Conn.
Beaton & Corbin Mfg. Co., Southington, Conn.
Berger Bros. Co., 229 Arch, Phila., Pa.
Billings D. L. & Co. ("Perfect"), 762 Dudley, Boston, Mass.
Blake Specialty Co., Rock Island, Ill.
Cann & Saul, 516 Commerce, Phila., Pa.
Carpenter L. A. Press Metal Co. ("O. U." "Vav"), Cambridge, Mass.
Chicago Expansion Bolt Co. ("Chicago"), 324 W Washington, Chicago, Ill.
Collins Mfg. Co., 1318 Farmers Bank bldg, Pittsburgh, Pa.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crawford Co., 846 S Canal, Chicago, Ill.
Cryer T. B. Co., 249 High, Newark, N. J.
Devlin Thos. Mfg. Co. ("Kane," "National"), 3d & Lehigh av, Phila., Pa.
Donovan D. A. ("Dad"), Auburn, N. Y.
Douglas J. E. ("Douglas Adjustable Steel"), 180 N Dearborn, Chicago, Ill.
Fee & Mason (Iron & Brass), ("A. B. C." "F. & M."), 81 Beekman, New York
Flagg Stanley G. & Co. (Malleable Iron), Morris bldg, Phila, Pa.
General Fire Extinguisher Co., Providence, R. I.
Glenn Fred E. ("Expansion Ring"), St. Charles, Ill.

Grabler Mfg. Co. ("Grabler" Universal Extension, Split Ring, U., etc.), Cleveland, O.
Haydenville Co., Haydenville, Mass.
Hayes Pump & Planter Co. ("Dack"), Galva, Ill.

Hoffmann B. Mfg. Co. (Expansion, etc), 257 6th, Milwaukee, Wis.
Hoopes & Townsend Co., Broad & Buttonwood, Phila, Pa.
Hughson Steam Spec. Co. ("Eclipse"), W 21st & S Racine, Chicago, Ill.

Illinois Engineering Co. ("Eclipse"), W 21st & S Racine avs, Chicago, Ill.
Illinois Malleable Iron Co. ("Chicago"), 1801 Diversey blvd, Chicago, Ill.
Jarecki Mfg. Co. ("Erie"), Erie, Pa.
Kelly & Jones Co. ("Jones" Expansion, etc.), 135 Water, Pittsburgh, Pa.
Kenway P. N., 248 Boylston, Boston, Mass.
Kreibel & Co., 822 Green, Phila., Pa.
Lane Ira G. Co. ("Away from the Wall"), 1077 3d av, New York
Lange August K., 606 E 15th, New York
Larkin J. K. & Co. (Jobbers), 34 Reade, New York *See adv index at end of book*
McCullom George (Malleable), Muskegon, Mich.
Modern Iron Works (Expansion or Ring Hooks, Quincy, Ill.
Moore Joshua, Marseilles, Ill.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
National Supply Co., Toledo, O.
Neptune Hardware Mfg. Co., 29 Murray, New York
Newbury Jay H., Goshen, N. Y.
Newbury Mfg. Co. (Adjustable Expansion, etc), Monroe, N. Y.
Norman C. Erwin & Co. ("Cenco"), 18 W Kinzie, Chicago, Ill.
Orcutt Pipe Hanger Co., Factory bldg, Toledo, O.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Penn. Engineering Co. ("Hanna" Ball Joint Malleable Iron), 1119 N Howard, Phila., Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Republic Metalware Co., Buffalo, N. Y.
Robinson Mfg. Co., 8123 Buner, S E, Cleveland, O.
Rockwood Sprinkler Co. ("Worcester" Adjustable Clips), Worcester, Mass.
Rutzler Enoch Co. ("Universal"), 404 E 49th, New York
Simmons John Co. ("Netherland"), 110 Centre, New York
*See adv index at end of book*
Sproul & McGurrin Co. ("I. X. L."), Grand Rapids, Mich.
Stolz Jos. & Son, Inc., 841 E 136th, New York

Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.
Webb F. W. Mfg. Co., 56 Elm, Boston Mass.
Wise J. B., Inc., Watertown, N. Y
Wolverine Brass Works, Grand Rapids, Mich.

## 5903— Hangers (Plate, Etc.)

**Parker Wire Goods Co. (Sectional Wire), Worcester, Mass.**

## 5904—Hangers (Ring Oiling)

American Tool & Machine Co., 10 High, Boston, Mass.
Bond Foundry & Machine Co., Manheim, Lancaster, Co., Pa.
*See adv index at end of book*
**Brown A. & F. Co., 79 Barclay, New York.**
Caldwell W. E. Co., Louisville, Ky.
**Dodge Sales & Engineering Co., Mishawaka, Ind.**
Dodge Steel Pulley Corp., Oneida, N. Y.
Eastwood Benj. Co., Paterson, N. J.
Fairbanks Co. (Jobbers), 416 Broome, New York
Golden's Foundry & Machine Co., Columbus, Ga.
**Great Western Mfg. Co., Leavenworth, Kan.**
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co. (and collar oiling), W 65th, Cleveland, O.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. &. R. Ry, Phila., Pa.
*See adv index at end of book*
National Foundry Mfg. & Supply Co. ("National"), Williamsport, Pa.
Nordyke & Marmon Co., Kentucky & Morris avs, Indianapolis, Ind.
**Salem Foundry & Machine Works, Salem, Va.**
**Valley Iron Works, Williamsport, Pa.**
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
**Wood's T. B. Sons Co. ("B. & S."), Chambersburg, Pa.**

## 5905— Hangers (Roller)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**Grabler Mfg. Co. (For Wrought Iron Pipe, etc), Cleveland, O.**
Lane Bros. Co., Poughkeepsie, N. Y.

## 5906—Hangers (Roller & Ball Bearing)

**Beaton & Cadwell Mfg. Co. Expansion for Overhead Circulation),** New Britain, Conn.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Lane Bros. Co., Poughkeepsie, N. Y.
**MYERS F. E. & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*
**Royersford Foundry & Machine Co. ("Sells"), Royersford, Pa.**
Valley Iron Works, Williamsport, Pa.

## 5907— Hangers (Self-Oiling)

**American Tool & Machine Co. ("American," "Boston" & "Giant"),** 10 High, Boston, Mass.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Brightman Machine Co., Quincy & C. & P. Ry, Cleveland, O.
**Brown A. & F. Co., 79 Barclay, New York.**
**Brown & Sharpe Mfg. Co., Providence, R. I.**
Cresson-Morris Co., Allegheny & 18th, Phila, Pa.
**DODGE SALES & ENGINEERING CO. (Capillary, Ring, Wick or Chain Oiling), Mishawaka, Ind.**
**Eastwood Benj. Co., Paterson, N. J.**
**Falls Clutch & Machinery Co., Cuyahoga Falls, O.**
**Fay J. A. & Egan Co., Cincinnati, O.**
**Great Western Mfg. Co., Leavenworth, Kan.**
Hanson Clutch & Machinery Co., Tiffin, O.
Hill Clutch Co. (and collar oiling), W 65th, Cleveland, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Nordyke & Marmon Co., Kentucky & Morris avs, Indianapolis, Ind.
Olney & Warren ("Howard"), 301 Lafayette, New York.
**Royersford Foundry & Machine Co., Royersford, Pa.**
Sprout, Waldron & Co., Muncy, Pa.
Valley Iron Works, Williamsport, Pa.
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Woonsocket Machine & Press Co., Woonsocket, R. I.

## 5908—Hangers (Shaft, Ball Bearing)

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Dodge Steel Pulley Corp., Oneida, N. Y.
**Fairbanks Co. (Jobbers), 416 Broome, New York.**
Golden's Foundry & Machine Co., Columbus, Ga.
**Hess-Bright Mfg. Co. ("H. B.—D. W. F."),** Front & Erie av, Phila, Pa.
Hubbard Machine Co. ("S. K. F."), Worcester, Mass.
S. K. F. Ball Bearing Co. ("S. K. F." Self-Aligning), Hartford, Conn.
Sprout, Waldron & Co., Muncy, Pa.

## 5908a—Hangers (Shaft, Post, Bracket, Etc.)

See Also Power Transmitting Machinery
**BOND FOUNDRY & MACHINE CO.,** Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**FAIRBANKS CO. (Jobbers), 416 Broome,** New York
Golden's Foundry & Machine Co., Columbus, Ga.
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Wisconsin Fdry. & Mach. Co., Madison, Wis.

## 5909—Hangers (Shaft, Pressed Steel)

**BOND FOUNDRY & MACHINE CO.,** (Lytestrong"), Manheim, Lancaster Co., Pa. *See adv index at end of book*
**Chain Belt Co., Milwaukee, Wis.**
**Standard Pressed Steel Co. ("American Pioneer"),** 80th & Indiana, Phila., Pa.

## 5910—Hangers (Step & Running Board)

**BOSSERT CORPORATION, THE,** (Automobile & Motor Truck Steps), cor. Linden St & West av, Utica, N. Y.
*See adv index at end of book*
Cleveland Hardware Co., Lakeside av & E 45th, Cleveland, O.
**Columbus Bolt Works Co., Columbus, O.**
Crandal Stone Div, The Brewer-Tichener Div, Binghamton, N. Y.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Detroit Pressed Steel Co., 1800 Mt. Elliott av, Detroit, Mich.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Parish Mfg. Co., Reading, Pa.
Rochester Pressed Steel Co. (Pressed Steel for Autos), Rochester, N. Y.

## 5911—Hangers (Storm Sash & Screen)

**Butter G. A. ("Daisy"), 603 Mitchell, Milwaukee, Wis.**
Dennis W. J. & Co. ("E Z. Way" "Greenfield"), 2120 W Lake, Chicago, Ill.
**Diehl Novelty Co. ("Diehl"), Glenbeulah, Wis.**
**Frantz Mfg. Co., Sterling, Ill.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Kees F. D. Mfg. Co. ("Kees-Gossett"), Beatrice, Neb.**
**Kieffer Bros., Syracuse, N. Y.**
**Lawrence Bros., Sterling, Ill.**
**National Mfg. Co. (Automatic), Sterling, Ill.**
Phenix Mfg. Co. ("Phenix"; also Fasteners), Milwaukee, Wis.
**Rock City Mfg. Co. ("Jiffy"), Wabash, Ind.**
Rowland Mfg. Co. (For Half Screens), Denver, Colo.
Sharon Hardware Mfg. Co. ("Sharon"), Sharon, Pa.
**STANLEY WORKS ("Schroeder's Peerless" Hanger & Fastener), New Britain, Conn.** *See adv index at end of book*
Tolman I. W., 38 Clifton, Worcester, Mass.
Wagner Mfg. Co. ("Wagner," for Screw & Storm Sash), Cedar Falls, Ia.
Watrous Acme Mfg. Co. ("Watrous" Screen Hanger), Des Moines, Ia.
Winter R. G. Mfg. Co. ("Sensible"), 2102 Vliet, Milwaukee, Wis.
Woodruff W. W. & Sons Co. ("Dolbers"), Mt. Carmel, Conn.

## 5912—Hangers (Trolley Wire)

Anderson Albert & J. M. Mfg. Co. (Straight Line & Curve Suspension), 289 A, Boston, Mass.
Creaghead Engineering Co. ("Creaghead" Armored Cap-Cone), 340 Main, Cincinnati, O.
Drew Electric & Mfg. Co., Indianapolis, Ind.
Electrical Railway Equipment Co. ("Universal"), Cincinnati, O.
Electrose Mfg. Co., 70 Washington, Brooklyn, N Y.
Eureka Co., North East, Pa.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*
Phila. Electrical & Mfg. Co. ("Pemco" Catenary), 1236 N 31st, Phila., Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Single & Double Catenary Construction), East Pittsburgh, Pa.
*See adv index at end of book*

## 5912a—Hangers (Window Screen)

**STANLEY WORKS ("Schroeder's Peerless" Hanger & Fastener), New Britain, Conn.** *See adv index at end of book*

## 5913— Hanks (Jib)

Parker Wire Goods Co. (Wrought Iron), Worcester, Mass.

## 5914— Hard Oil Finish

**Anglo-American Varnish Co., 53 Johnston, Newark, N. J.**
Allentown Mfg. Co., Allentown, Pa.
Berry Bros., Detroit, Mich.
Blayz Paint & Varnish Co. ("Le-Do-Lac") Spencer, Toledo, Ohio
Bridgeport Wood Finishing Works (Du Pont), Phila., Pa.
**Brooklyn Varnish Mfg. Co. ("K-a-u-r-l"), 35 Nostrand av, Brooklyn, N. Y**
Brooks Clarence & Co., 249 Chestnut, Newark, N. J.
Buckeye Paint & Varnish Co., Toledo, O.
Butcher Polish Co. ("Butcher's No. 3 Reviver"), 356 Atlantic av, Boston, Mass.
**Chicago Varnish Co., 2100 Elston av, Chicago, Ill.**
Day, Jas. B. & Co., 214 W Ohio, Chicago, Ill.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Felton, Sibley & Co., 136 N 4th, Phila, Pa.
Flood & Conklin Co., 132 Chestnut, Newark, N. J.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Gillespie Chas. H. & Sons, Dey, Jersey City, N. J.
Glidden Co., Madison av & Berea rd.
**Grand Rapids Wood Finishing Co., Grand Rapids, Mich.**
Jamestown Wood Finishing Co., Jamestown, N. Y.
Lindeman Wood Finish Co., Shelbyville, Ind.
Macneal Jas B. & Co., Warner & Wooster, Baltimore, Md.
Hilo Varnish Corp., Marcy & Flushing avs, Brooklyn, N. Y.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
O'Brien Varnish Co. (Light), South Bend, Ind.
Palmer-Price Co., 270 Chestnut, Newark, N. J.
Smith Edw. & Co., 127 West av, Long Island City, N. Y.
Standard Varnish Works (Gutta Percha), 90 West, New York
Valentine & Co. ("Lauson"), 456 4th av, New York

## 5915—Hardeners (Concrete)

See also Hardener Flour

**American Chemical & Mfg. Co., 617 Monticello av, Norfolk, Va.**
Aquabar Co. ("Aquabar"), 844 Widener blvd, Phila., Pa.
Ceresit Waterproofing Co., 110 S Dearborn, Chicago, Ill.
*See adv index at end of book*
Concrete Hardening Company, Inc. ("Everlast"), 220 Fifth av, New York
Continental Products Co. (Floor), Quebec av, Cleveland, O.
Federal Steel Cement Mills ("Federal" Steel Structural Cement), 2639 E 79th, Cleveland, O.
General Fireproofing Co. (Floor), Youngstown, O.
Granolithic Co. ("Granolitic"), 471 N Snelling av, St. Paul, Minn.
D'Jorup Frank ("Flinto-Lith"), 133 W Washington, Chicago, Ill.
Master Builders' Co., Cleveland, O.
Smooth-On Mfg. Co. (Cement), 572 Communipaw av, Jersey City, N. J.
Sonneborn L. Sons ("Lapidolith"), 262 Pearl, New York
**SPECIAL SERVICE FLOORING CORP.,** 2039 Grand Central Terminal, New York *See adv index at end of book*
Trus-Con Laboratories (Floor), Detroit, Mich.
Vitrifix Co., 133 W Washington, Chicago, Ill.
Wearcrete Engineering Co., People's Gas bldg, Chicago, Ill.

## 5915a— Hardeners (Floor)

Am. Chemical & Mfg. Co., 617 Monticello av, Norfolk, Va.
Antakwa Co. (Concrete) ("Liberty"), 133 W Washington, Chicago, Ill.
Toch Bros., 320 5th av, New York
Trus-Con Laboratories, Detroit, Mich.

## 5916—*Hardening & Tempering

**See Case Hardening; also Steel Hardening**
Chicago Metal Treating Co., 4032 N Rockwell, Chicago, Ill.
Norris Noiseless Pedal Action Co., Stoughton, Mass.

## 5917— Hardies

Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Champion Tool Co. ("Champion" Farriers,' Round & Straight, also Blacksmiths'), Meadville, Pa.
Evansville Tool Works (Straight & Circular Cut), Evansville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Heller Bros. Co. (Farriers), 879 Mt. Prospect av, Newark, N. J.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

## 5918—Hardware (Builders' Rustless)

Art Hardware & Mfg. Co., Seattle, Wash.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Columbian Hardware Co., Cleveland,, O.
Corbin P. & F., New Britain, Conn.
Reading Hardware Co., Reading, Pa.
**Russell & Erwin Mfg. Co. ("Russwin") New Britain, Conn.**
Sager Lock Co., No Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co., 9 E 40th, New York

## 5919—Hardware from Architects' Designs

Corbin P. & F., New Britain, Conn.
Jackson Wm. H. Company, 2 W 47th, New York
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 5919a— Hardware (Garage)

Detroit Garage Equipment Co., 268 Jefferson av, Detroit, Mich.
Griffin Mfg. Co., Erie, Pa.
McKinney Mfg. Co. (Door-wrought Steel), Liverpool & Metrooplitan, Pittsburgh, Pa.
**STANLEY WORKS, New Britain, Conn.**
*See adv index at end of book*
Walraven Co., The (Complete Equipment Dealers), 36-38 W Alabama, Atlanta, Ga.
*See adv index at end of book*

## 5919b—*Hardware (Light Box)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**LUDWIG A. & CO., 75 Spring, New York**


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## 5920— Hardware Mfrs.

See also Hardware, Wholesale; also Hinge Manufacturers; also Lock Manufacturers; also Door Hangers; also Door Knob Manufacturers; also Sash Balance Manufacturers; also Nail Manufacturers; also Sash Weights; also Chains, Sash; also Cutlery Manufacturers, etc

### CALIFORNIA.

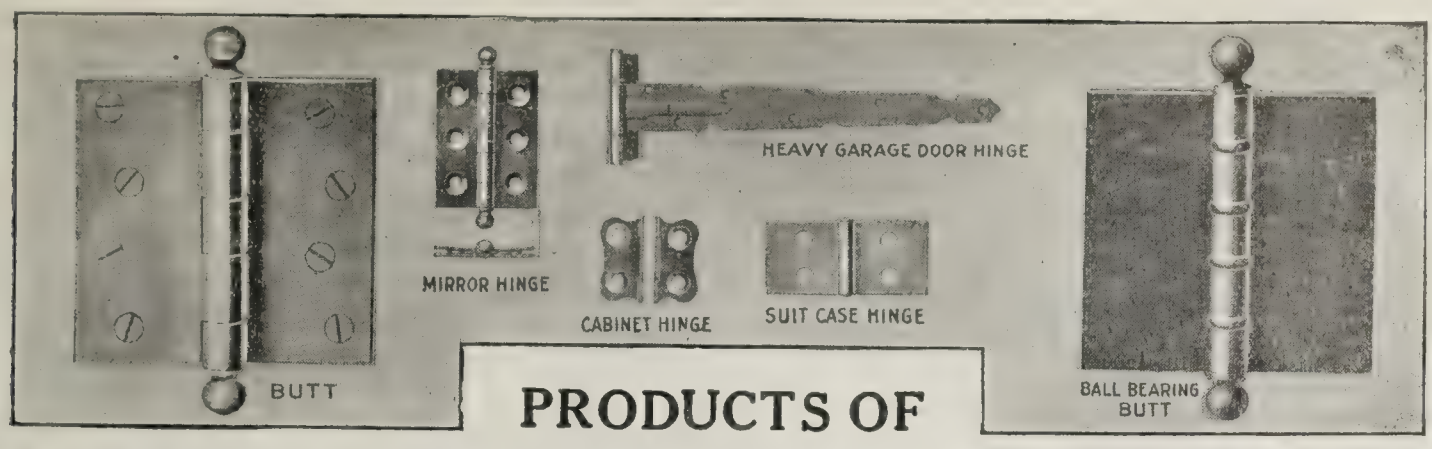
LOS ANGELES—Pacific Hardware Mfg. Co. (Builders, etc.)
SAN FRANCISCO—John's Hanger Mfg. Co. (Patent Door Hangers), 709 Harrison
**Western Brass Mfg. Co., 217 Tehama**

### COLORADO.

PUEBLO—Brinkley-Curd Hdwe. & Implement Co.

### CONNECTICUT.

BEACON FALLS— Bronson Homer D. Co (Brass Butts)
BRIDGEPORT—Acme Shear Co. (Shears & Tinners' Snips)
American Specialty Co. (Cast & Wrought Brass)
Artistic Bronze Co. (Builders, Cabinet, etc)
Bridgeport Brass Co.
Bridgeport Chain Co. ("Monarch", Bronze, "Bridgeport," Steel, Sash Chains, etc)
Bridgeport Hardware Mfg. Corp.
Burns & Bassick Co. Div. of the Bassick Co. (Cabinet)
**Cornwall & Patterson Co. (Piano & Organ)**
**Fray John S. Co. (Brace Bits)**
Hotchkiss Edw. S. (Light)
Smith & Egge Mfg. Co. (Pulleys, Chains, Pliers, Punches, etc)
White Mfg. Co. (Carriage)
BRISTOL—Barrett W. L (Glass Cutters)
Ladd W. C.
**New Departure Mfg. Co. (Coaster Brakes, Bells & Gongs)**
*See adv index at end of book*
Root Chas. J. Co. (Butts)
Sessions J. H. & Son
CLINTON—Buell Bros.
CROMWELL—Warner Hammer Co.
GUILFORD — **SPENCER'S I. S. SONS (INC.)** (Specialties)
HAMDEN—Henry John T. Mfg. Co. (Hammers, etc)
HARTFORD—Billings & Spencer Co.
Holt G. L. Co. (Specialties)
North & Pfeiffer Mfg. Co. (Specialties)
Taylor Mfg. Co. (Specialties)
HIGGANUM—Higganum Hardware Co. (Specialties)
MERIDEN—Foster, Merriam & Co. (Cabinet)
International Silver Co. (Coffin Trimmings, etc)
Parker Chas. Co. (Window Trimmings, etc)
Schenk M. B. Co. (Casters)
**Wallace F. J. Co. Division ,Saddlery)**
MIDDLETOWN—Chapman W. H. Co. (Saddlery)
Smith J. O. Mfg. Co. (Stationers')
Wilcox, Crittenden & Co., Inc., (Mrrine, etc)
*See adv index at end of book*
MILFORD—Rostand Mfg. Co. (Automobile & Car)
MOUNT CARMEL—Woodruff W. W. & Sons Co. (Carriage & Automobile Mountings)
NAUGATUCK—Russell J. M. Mfg. Co.
NEW BRITAIN—Corbin Cabinet Lock Co. (Trunk)
Corbin P. & F. (Builders')
Judd R. D. (Builders & Saddlery)
Landers, Frary & Clark (Cutlery & Hdw. Specialties)
North & Judd Mfg. Co. (Harness, Automobile, Baggage, Strap, Razor Strap & Dog Collar, Hardware, "Anchor Brand")
Russell & Erwin Mfg. Co. (Builders)
Stanley Rule & Level Co. (Carpenters' Tools)
**STANLEY WORKS (Wrought Steel Butts, Brackets, Garage, etc.)**
***See adv index at end of book***
Taplin Mfg. Co. (Specialties)
Williams William Jr. (Specialties)
NEW HAVEN—American Rivet Co. (Saddlery)
Atlas Mfg. Co. (Brackets, Wire & Sheet Metal Specialties)
Beebe W. S. Co. (Specialties)
Cowles C. & Co. (Malleable & Brass Hinges & Locks)
English & Mersick Co. (Carriage & Automobile Hardware & Specialties)
Fitch W. & E. T. Co. (Sash Locks & Saddlery)
Ives H. B. Co. (Sash, Lock Lifts, Fasteners, etc.)
**KILBORN & BISHOP CO.** (Forged), 194 Chapel
*See adv index at end of book*
North O. B. & Co. (Saddlery)
Ochsner A. & Son (Auto & Carriage, Locks, etc)
Perpente Mfg. Co. (Carriage)
Pfleghar Hardware Specialty Co. ("Automobile & Specialties")
Sargent & Co. (Locks, Builders', Cabinet & General Hardware)
Schollhorn Wm. Co. (Pliers, etc, & Hardware Specialties)
Scranton & Co. (Specialties)
Seward M. & Son Co. (Wagon)
NORWICH—Conn. Cord Iron Corp.
Turner & Stanton Co.
OAKVILLE—Smith Seymour & Son
PLAINVILLE—Calor C. H. (Light)
Clark A. N. & Son (Watchmakers' Tools, etc)
Hills Edwin (Harness, etc)
PLANTSVILLE—Blakeslee Forging Co. (Carriage)
Smith H. D. & Co. (Carriage)
Thomson Drop Forge Co. (Tool & Specialties)
Wood G. E. Tool Co. (Awning)
ROCKY HILL—Rocky Hill Hardware Co.
*See adv index at end of book*

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Potter C. D. Co. (Piano)
Yale & Towne Mfg. Co. (Builders)
TERRYVILLE—Eagle Lock Co. (Locks, etc)
THOMPSONVILLE—Westfield Plate Co. (Coffin Trimmings)
TORRINGTON — Progressive Mfg. Co. ("Forstner" Bits)
Turner & Seymour Mfg. Co. (Upholstery & Drapery)
Union Hardware Co. (Skates & Hardware)
UNIONVILLE—Hart H. C. Mfg. Co. (Specialties)
Hogarty Edw. (Saddlery)
Humphrey H. W.
Monce S. G. (Light)
WALLINGFORD—Ives W. A. Mfg. Co. (Augurs & Bits)
Judd H. L. Co. (See New York)
WATERBURY—American Ring Co. (Upholstery & Cabinet)
Blake & Johnson Co. (Piano & Organ, etc), 1500 Thomaston av.
*See adv index at end of book*
Electrical Appliance Mfg. Co. (Blind Fasteners)
Morden Mfg. Corporation (Rings & Loose-Leaf Devices for Ledgers, Pamphlets, etc)
Noera Mfg. Co. (Specialties)
Novelty Mfg. Co. (Specialties)
Plume & Atwood Mfg. Co. (Brass Butts, etc)
**SCOVILL MFG. CO.** (Specialties To Order Only).
*See adv index at end of book*
Shoe Hardware Co. (Buckles, etc)
Waterbury Brass Goods Corporation (Brass Butt Hinges)
Waterbury Foundry Co.
Waterbury Mfg. Co. (Saddlery, Brass & Nickel Trimmings)
WATERVILLE—Berbecker & Rowland Mfg. Co. (Upholstery & Cabinet)
WINSTED—Empire Knife Co. (Pocket)
Moore Franklin Co. (Carriage)
Morgan Silver Plate Co. (Casket & Coffin)
Strong Mfg. Co. (Casket & Coffins)
YALESVILLE—Prisk Wm. M. & Sons Mfg. Co. (Specialties)

## DELAWARE.

WILMINGTON—Delaware Marine Mfg. Co. (Brass & Bronze Hinges, etc.)

## GEORGIA.

ATLANTA—Wood A. A. & Sons Co. (Hardware & Tools)
GAINESVILLE—Gainesville Iron Works (Specialties)

## ILLINOIS.

ARLINGTON HEIGHTS—Berbecker Julius & Sons Co. (Upholsterers')
AURORA—Aurora Door Hanger & Specialty Co.
Richards-Wilcox Mfg. Co. (Door Hangers & Kindred Specialties)
CHICAGO—Adjustable Clamp Co. 216 N Jefferson
Amundsen A. & Co. (Specialties), 2134 Lawrence av
Austin & Eddy (Specialties), 11 S La Salle
Barrett W. C. & Bro. (Cabinet), 603 N La Salle
Beckley-Ralston Co., 1801 S Michigan av
Casement Hardware Co. (Specialties), 9 S Clinton
**Cassady Fairbank Mfg. Co. (Specialties), 6126 La Salle**
**Chicago Hardware Foundry Co. (Builders', etc), 546 W Washington**
**Chicago Spring Butt Co. (Spring** Hinges, etc), 1500 Carroll av
Coleman Hardware Co. (Builders), 122 S Michigan av
Cranston T. H. & Co. (Specialties), 56 E Randolph
Curtis, Espy & Co. (Specialties), 158 N Ashland blvd.
Dexter & Newton (Specialties), 543 W 120th
Duffy, J. F., Jr., 563 Fulton
Duffy Mfg. Co. (Steel Tools & Hatchets), 214 W Grand av
Freeman Anthony (Specialties), 54 W Lake
Gardner Sash Pulley Co., 15 N Jefferson
Gloga & Co. (Specialties), 466 Dickey bldg
Griffin Mfg. Co. (Hinges, Brackets, etc), 17 E Lake
Harley Burglar Proof Ventilating Sash Lock Mfg. Co., 3341 Ogden av
Heath J. S. Co. (Furniture), Franklin & Ontario
*See adv index at end of book*
**Imperial Brass Mfg. Co., 524 S Racine av.** *See adv index at end of book*
Kienzie Wm. F. (Saddlery), 4855 W Paulina
Lawson Mfg. Co. (Ball Bearing, Pivot Floor Hinges, etc), 230 W Superior
Nicol & Co. (Specialties), 218 N Jefferson
Parsons Mfg. Co. (Specialties), 411 S Clinton
Payson Mfg. Co. (Builders', etc), 2918 W Jackson blvd
**Pratt Wm. E. Mfg. Co., 35 W Lake**
**Read A. P. Co. (Specialties), 568 W Washington**
Reflector & Hardware Specialty Mfg. Co., 2235 S Western av
Seng Company (Specialties), 1450 Dayton
**STANLEY WORKS** (wrought Steel Butts, Brackets, etc.), 73 East
*See adv index at end of book*
Superior Spring Hinge Co. (Builders'), 136 W Lake
Vaughan & Bushnell Mfg. Co., 2114 Carroll av
Tressing E. & Co. (Specialties), 15 E Lake
Western Brass Mfg. Works (Inc.) (Builders' Cabinet, etc.), Marshall blvd & W 21st
Western Hardware Mfg. Co., 557 W Monroe
Wilcox Mfg. Co. (Builder), 4824 W Lake
Williams F. B. Co. (Specialties), 507 E 39th
Wilkins, Geo. H. Co., 180 N Market
DANVILLE—Allith-Prouty Co. (Specialties)
DE KALB—Kohler Die & Specialty Co. (Specialties)
ELGIN—Elgin Silver Plate Co. (Casket)
Western Casket Hardw. Co. (Casket)
FREEPORT—Arcade Mfg. Co.
Stover Mfg. & Engine Co. (Builders, etc)
**GALESBURG—Wenzelman Mfg. Co. (Specialties)**
GENEVA—Burgess & Norton Mfg. Co. (Specialties)
HARVARD—Hunt, Helm, Ferris & Co. (Barn Door Hangers, Latches, etc)
LOCKPORT—Barrows Lock Co. (Builders)
MOLINE—Cooper H. W. Saddlery Hardware Mfg. Co.
NORTH CHICAGO—Chicago Hardware Foundry Co.
Great Lakes Mfg. Co.
Sager Lock Co. (Builders', etc)
OTTAWA—Porter J. E. Co. (Door Hangers, etc)
PANA—Progressive Mercantile & Mfg. Co. (Specialties)
ROCKFORD—Andrews Wire & Iron Works (Specialties)
National Lock Co. (Cabinet)
STERLING—Frantz Mfg. Co.
Lawrence Bros. (Door Hangers, Hinges, etc)
National Mfg. Co. (Builders, Door Hangers, etc)
Sterling Foundry Co. (Specialties)
STREATOR—Halladay L. P. Co. (Automobile Specialties)
SYCAMORE—Turner Brass Works (Specialties)

## INDIANA.

ANDERSON—Hardware Specialty Mfg. Co.
CONNERSVILLE—Stant Geo. Machine Works (Carriage, Piano, etc)
ELKHART—Elkhart Hardware Mfg. Co. (Piano)
Johnson & Biddle Tool Co.
FORT WAYNE—Mossman, Yarnelle & Co. (Carriage)
INDIANAPOLIS—Tucker & Dorsey Mfg. Co. (Specialties)
SOUTH BEND—Studebaker Corp (Carriage & Wagon)
WABASH—Harsh-Miller Mfg. Co. (Saddlery Terrets, Check Rim Spring

## IOWA.

BOONE—Quinn Wire & Iron Works (Specialties)
CEDAR FALLS—Wagner Mfg. Co. (Specialties)
DES MOINES—Watrous Acme Mfg. Co. (Sash Hangers, Fasteners, etc)
DUBUQUE—Adams Co. (Specialties)
Loetscher-Ryan Mfg. Co. (Specialties)
Schmid Mfg. Co. (Casket)
FAIRFIELD—Louden Machy Co. (Door Hangers, etc)
KEOKUK—Decker Mfg. Co. (Specialties)
Weber & Kirch Mfg. Co. (Specialties)

## KANSAS.

ATCHISON—Atchison Saddlery Co.
LEAVENWORTH—Hesse W. G. & Son Mfg. Co. (Wagons)

## KENTUCKY.

NEWPORT—Higgin Mfg. Co. (Screen Door Hardware, Metal Screens)

## LOUISIANA.

SHREVEPORT—Shreveport Saddlery Co.

## MAINE.

**BATH—Torrey Roller Bushing Works** (Marine)
Watson Frye Co., Ltd. (Marine)
PORTLAND—Marine Hardware-Equipment Co. (Marine), S. P.

## MARYLAND.

BALTIMORE—Alma Mfg. Co. (Clothers), 611 S Monroe
Dix Mfg. Co., Eagen & Fallsway
Gibson & Kirk Co. (Brass Marine), 217 Key Highway
Sinclair-Scott Co. (Specialties), Wells & Patapsco
Whiting W. H. & Co. (Marine Specialties), 222 E Pratt
FREDERICK—Enterprise Hardware Mfg. Co.
HAGERSTOWN—Danzer Metal Works
Jones R. E. (Cold Storage Doors, Windows, etc)
Victor Cooler Door Co. (Cold Storage Doors & Windows)

## MASSACHUSETTS.

ATTLEBORO—Wilmarth W. D. & Co. Corp'n (Casket)
BOSTON—Austin & Eddy (Builders), 117 Broad
Bliss Bros. (Marine), 170 Commercial
Cutter Mfg. Co. (Specialties) Orient av, Everett Station
McGreece Jas. P. & Co. (Piano), 262 Dover
Moore Geo. W. (Piano), 14 Farnsworth
Morss A. S. Co. (Marine), 132 Federal
Norton Door Check Co., 170 Purchase
Tyler Mfg. Co., 64 Pearl
Wilkinson A. J. & Co. (Marine), 184 Washington
BROCKTON—Tuck Mfg. Co. (Tools & Cutlery)
CONWAY—Conant & Donelson Co.
FISKDALE—Snell Mfg. Co. (Bits, Augers, etc)
GREENFIELD—Goodell-Pratt Co. (Drills, Saw Blades), about 2000 Tools, etc.
Warner Mfg. Co. (Children's Carriages)
HOLYOKE—**COBURN TROLLEY TRACK MFG. CO.** (Sliding Hangers & Tracks), P. O. Box 127
MILLERS FALLS—Millers Falls Co.
NEEDHAM—Orr, Galen & Co. (Blind Trimmings, etc)
NEWBURYPORT—Victor Mfg. Co. ("Victor" Door Hangers, etc)
ORANGE—Adell Mfg. Co.
PEABODY—Marine Hardware Co. (Yacht)
SOMERVILLE—Forg Peter Mfg. Co. (Cabinet)

SPRINGFIELD—Bemis & Call Hardware & Tool Co.
S. & I. Co.
STOUGHTON—Norris Noiseless Pedal Action Co. (Piano & Organ)
WESTFIELD—Rogers Silver Co. (Casket Mountings)
WINCHENDON—New England Lock & Hinge Co. (Tin Hinges, Chest Locks, etc)
WOLLASTON—Hall Wm. Co. (Colonial & Builders)
WORCESTER—Gifford A. W. & Co.
Hamblin & Russell Mfg. Co. (Specialties)
Tolman I. W. (Spring Window Bolts, Dividers, etc.)
Wickwire Spencer Steel Corp.
*See adv index at end of book*
Wright & Sons Co. (Piano & Organ), 51 Jackson

## MICHIGAN.

ADRIAN—Oliver Instrument Co.
DETROIT—Casket Hardware Mfg. Co. (Casket), 820 Warren
Detroit Register Co. (Specialties), 88 E Jefferson av
Detroit Shipbuilding Co. (Marine, Brass) ft. Orleans
Detroit Works (Builders), 238 E Larned
Douglass & Lomason Co. (Carriage), 642 Lincoln
Harry Bros. Mfg. Co. (Cabinet & Furniture), 282 Woodbridge
P R Mfg. Co. (Electric Bells)
GRAND HAVEN—Am. Brass Novelty Co. (Refrigerator)
GRAND RAPIDS — GRAND RAPIDS BRASS CO. (Furniture)
*See adv index at end of book*
Grand Rapids Hardware Co.
Hardware Supply Co. (Door Catches, etc)

## MINNESOTA.

ALBERT LEA—Enderes, Inc.
ANOKA—Thurston Manual Training Supply Co. (Cabinet)
FERGUS FALLS—Fergus Iron Works Co. (Sash Weights, Sinks, etc),
MINNEAPOLIS—Whitney Window Corp. (Casement Window)
ST. PAUL—Borreson Mfg. Co. (Specialties)

## MISSOURI.

ST. JOSEPH—Carswell David (Specialties)
ST. LOUIS—American Foundry & Mfg. Co., 11th & Hebert
Beehler Mfg. Co.
Hager C. & Sons Hinge Mfg. Co. (Hinges & Specialties)
Nixdorff-Krein Mfg. Co., 900 Howard
Rinie Geo. M. Hardware Co., 2101 Gravois av
St. Louis Hardware Mfg. Co., 1519 N 18th
St. Louis Trunk Hdw. Mfg. Co. (Specialties)

## NEW HAMPSHIRE.

NASHUA—Highton Wm. & Sons Co. (Cabinet, Desk & Specialties to Order)
Nashua Saddlery Hardware Co.

## NEW JERSEY.

BELLEVILLE—Knickerbocker Mfg. Co.
NEWARK—Brabson Bros. (Specialties), Hamilton
Buermann August Mfg. Co. (Bits, Spurs, Stirrups, etc), 220 Jeliff av
Crane W. T. Carriage Hardware Co., 165 Mulberry
Freeman A. W. (Saddlery), 229 Mulberry
Gilchrist Co. (Specialties), 236 Bank
Goldsmith L. & Son (Trunk), Cherry
Gould's M. Sons & Co. (Trunk), 115 Lafayette
Havell Mfg. Co. (Trunk & Bag Trimmings), 284 Washington
Huebel Mfg. Co. (Specialties), 103 Monroe
Jenkinson R. C. & Co. (Sheet Metal & Wire Goods), 289 Washington
Lowentraut P. Mfg. Co., 36 Brenner
Lukes Wm. (Stationers & Novelties), 857 S 19th
National Mfg. & Steel Supply Co. (Tools & Specialties), 781 Summit
Reynold-Zahn Co. (Saddlery), 46 Mechanic
Romer & Co. (Inc.) (Lock, etc), 275 Passaic
Sargeant Mfg. Co. (Saddlery), 79 Summit
Sayre L. A. Co., 332 Mulberry
Searls Mfg. Co. (Carriage Mountings), 29 Mulberry
Smith G. L. & Co. (Saddlery), 50 Spring
Steffens-Amberg Co. (Saddlery), 262 Morris av
Strieby & Foote Co. (Carriage), 301 Ogden
Thomas T. & Co. (Locks), 144 Mulberry
Universal Caster & Fdry Wks. (Casters)
Wheaton A. W. Brass Works (Builders') 110 Walnut
Whitehouse Le Compte Mfg. Co. (Saddlery, Silver Trimmings), 44 Elm
Wiener-Barnet Co. (Saddlery), 329 Adams
Wiss J. & Sons (Cutlery), 31 Littleton av
PHILLIPSBURG—Galvanized Products Co. (Pole Line)
TRENTON—Climax Porcelain Co. (Door Knobs)
Skillman Hardware Mfg. Co. (Locks & Knobs)

## NEW YORK.

ALBANY—Gomph Henry G. & Co. (Saddlery, Tools)
AUBURN—Clapp E. D. Mfg. Co. (Carriage), 300 Genesee
Eccles Richard Co. (Carriage, etc)
BINGHAMTON—Binghamton Hardware Specialty Co. (Specialties)
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Ajax Hardware Mfg. Co., 1100 Military rd
Buffalo Specialty Co., 375 Ellicott
Climax Lock & Ventilator Co., 656 Michigan av
Dorries & Co. (Saddlery)
North Buffalo Hardware Foundry Co., 743 Hertel av
Phoenix Hardware Co. (Specialties)
Pratt & Letchworth Co. (Carriage)
CORTLAND—Nelson & Call Co. (Carriage)
EAST AURORA—Forsyth Metal Goods Co (Specialties)
EAST ROCHESTER—Brainerd Mfg. Co.
ELMIRA—Cronk & Carrier Mfg. Co. (Specialties), 150 Lake
*See adv index at end of book*
GENEVA—Geneva Cutlery Corp.
INTERLAKEN—Covert Saddlery Works
JAMESTOWN—Crescent Tool Co., 200 Harrison (Specialties)
Ellison Brass Mfg. Co. (Special)
Weber-Knapp Co. (Furniture & Phonograph)
KINGSTON—Ramsey Chas. Co. (Piano)
LITTLE FALLS—Cheney Hy. Hammer Co. (Hammers, etc)
MANLIUS—Cheney S. & Son (Grey Iron Specialties)
MECHANICSVILLE—Lynd L. E. Mfg. Co. (Piano)
MEDINA—Swett A. L. Iron Works (Specialties)

## NEW YORK CITY.

### Borough of Brooklyn

Bommer Spring & Hinge Co., 263 Classon av
Brass Goods Mfg. Co. (Builders, Refrigerator & Specialties), 345 Eldert
H. & A. Lock Co. (Trunk), 243 44th
Kroder John & Henry Reubel Co., Meeker av
Sterling Casket Hardware Co., 383 Kent av
Tiebout C. H. & Sons (Marine), 31 Grand

### Boroughs of Manhattan and Bronx.

NEW YORK—Bayer Gardner-Himes Co. (Builders'), 101 Park av
Burglar Proof Lock & Hardware Corp. ("Segal" Burglar Proof Locks, etc), 75 Fulton
Christensen Rudolph (Cabinet), 107 Chambers
Corbin P. & F. Div., 101 Park av
Creamer W. G. & Co. (Car), 96 John
Durkee Chas. D., & Co. (Marine), 2 South
Ford Pulley & Hdwe. Co., Inc., 25 W 45th
Gerstner A. W. Co. (Hardware Tools & Cutlery), 634 8th av, New York
Gould-Mersereau Co. (Upholstery), 52 W 38th
Greene, Tweed & Co., 109 Duane
Guerin P. E. (Inc.), 21 Jane
Haas Henry & Son (Piano), 1909 Park av
Heitler Kurt (Specialties), 221 4th av
Jennings C. E. & Co. (Mechanics' Tools & Specialties), 71 Murray
Judd H. L. Co. (Upholstery, Stationery & Fancy), 87 Chambers, Works: Wallingford, Conn.
Keil Francis & Son, 401 E 163d
McCabe Hanger Mfg. Co., (Bolts & Door Hangers, etc), 426-428 W 25th *See adv index at end of book*
Marine Mfg. & Supply Co. (Marine), 158 South
Morton Thos. (Sash Chains, etc), 245 Center
Neptune Hdwe. Mfg. Co. (Awning), 39 Murray
N. Y. Piano Hdwe. Co., 315 5th av
Peck, Stow & Wilcox Co. (Hinges, etc.), 428 E 48th
Russell & Erwin Mfg. Co., Div of N. Y., 96 Lafayette
Sargent & Co., 94 Centre
Segal Lock & Hardware Co., Inc., 155 Leonard
Smith & Egge Mfg. Co., 258 B'way
SMITH & HEMENWAY CO., INC., 261 H. B'way; also 130 H. Colt, Irvington, N. J.
*See adv index at end of book*
STANLEY WORKS, 100 Lafayette
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
Tiebout W. & J. (Brass & Galvanized), 118 Chambers
U. S. Rubber Co. (Buckles, etc), 1790 B'way

**(End of New York City)**

NIAGARA FALLS—Niagara Falls Metal Stamping Works (Specialties)
NORWICH—Maydole David Hammer Co. (Hammers only)
OGDENSBURG—Newell Mfg. Co. (Upholstery, etc.)
POUGHKEEPSIE—Lane Bros. Co. (Door Hangers, etc.)
Schatz Mfg. Co. (Specialties)
ROCHESTER—Caldwell Mfg. Co. (Sash Balances, etc.), 8 Jones
Clark H. E. & Bros. (Specialties, Brighton)
Pullman Mfg. Co. (Sash Balances, Door Checks, Safety Razor Strappers)
SARGENT & GREENLEAF, INC. (Locks)
*See adv index at end of book*
SCHENECTADY—S. R. Mfg. Co.
SYRACUSE—Frazer & Jones Co. (Saddlery)
Stearns E. C & Co (Door Hangers, etc.), 450 Oneida
TROY—Covert Mfg. Co. (Saddlery)
King Jos Mfg. Co (Skates)
Read O B. Mfg Co (Saddlery)
West Side Fdry Co (Piano)
WATERTOWN—Wise J. B. Inc. (Specialties of Pressed Work)

## OHIO.

AKRON—Enterprise Mfg. Co. (Saddlery)
ASHLAND—Myers F. E. & Bro. (Builders' Hardware), 900 Fourth
*See adv index at end of book*
Safety Door Hanger Co.
CANTON—Elbel Co. (Saddlery, etc.)
Kohler F. E. Co. (Specialties)
Ney Mfg. Co. (Hangers, etc.)
Novelty Cutlery Co. (Cutlery Mfrs.)
Swineford G. A. Co. (Door Hangers, etc.)
CINCINNATI—Crane & Breed Mfg. Co. (Casket), 1227 W 8th
Enterprise Brass & Plating Co. (Vehicle Mountings), 6th & Baymiller
Metal Specialty Co., 6th & Burns
Monarch Carriage Goods Co.
National Brass Mfg. Co. (Furniture & Hearse Trimmings, etc)

OHIO—Cincinnati—continued
HARDWARE MFRS.—continued
**Queen City Forging Co.** (Carriage), Tennyson & Dumont, Columbia
Schriver O. P. & Co. (Specialties), 621 E Pearl
**Schroder J. B. Co.** (Locks, Bldrs. Hardware, etc), 133 E 5th
CLEVELAND—Carpenter R. F. Mfg. Co. (Toilet Room), 978 E 64th
Cleveland Hardware Co., Lakeside av & E 45th
**Cochrane J. A. Brass Mfg. Co.** (Specialties), 1403 E 40th
Columbian Hardware Co.
Cray Bros. (Carriage), 1111 W 11th
**Eberhard Mfg. Co.** (Carriage, Wagon & Automobile), C. & P. Ry & Tennyson rd
Fanner Mfg. Co. (Specialties)
Globe Machine & Stamping Co. Manufactured to Order), 1250 W 76th, Cleveland, O.
Independent Register & Mfg. Co. (Specialties), 713 Frankfort
Langenau Mfg. Co. (Casket), 8403 Franklin av
**PECK STOW & WILCOX CO.** (Builders), 2172-2232 W 3rd
Russ Co., 5700 Walworth av, S W
Taylor & Boggis Fdry. Co. (Builders, etc.)
Walworth Run Foundry Co. (Specialties), 2488 W 27th
COLUMBUS—Columbus-McKinnon Chain Co. (Saddlery)
*See adv index at end of book*
DALTON—Martin S. B. (Door Hangers, etc.)
DAYTON—Thomson S. H. Mfg. Co.
FREMONT—Herbrand Co. (Carriage & Wagon)
GENEVA — Champion Hardware Co. (Locks, etc.)
KENT—Miller J. B. Keyless Lock Co.
MANSFIELD—Mansfield Electric Hardware Co. (Specialties)
MINERVA—Minerva Mfg. Co. (Bldrs. & Specialties)
RAVENNA—Williams A. C. Co.
SHELBY — Shelby Spring Hinge Co. (Hinges, etc.)
Standard Mfg. Co. (Hinges, etc.)
WARREN—Warren Tool & Forge Co.
*See adv index at end of book*
WEST TOLEDO—Toledo-Reynolds Mfg. Co. (Specialties)

PENNSYLVANIA.

ALLENTOWN — **GRAMMES L. F. & SONS** (Show Case, Phonograph, Screen Door, etc)
*See adv index at end of book*
Kline Hardware Co.
BRACKENRIDGE—Western Tool & Forge Co., Awnings, etc.)
COLUMBIA—U. S. Lock & Hardware Co.
ELDRED—Prouty C. & Co. (Tools, etc.)
Walker C. L. & Co. (Ice Picks, Cork Screws, Cork Pullers, etc.), 656 W 12th
Griffin Mfg. Co. ("Griffin" Strap & T Hinges, Brackets, Door Bolts, etc.)
FULLERTON—Dent Hardware Co.
GIRARD—Ely, Theo. Mfg. Co.
LANCASTER—Excelsior Lock & Hdwe. Co. (Padlocks & Specialties)
Miller J. Walker Co. (Specialties)
Safe Padlock & Hardware Co. (Shelf-Hardware)
Slaymaker Lock Co. (Builders, Car & Ship)
LEONA—Ely E. C. Co. (Specialties)
MECHANICSBURG—Wilcox D. Mfg. Co. (Carriage)
MOUNT JOY—Rollman Mfg. Co., Ltd. (Specialties)
NORTHUMBERLAND—Keystone Forging Co. (Carriage)
NORTH EAST—Fernald Mfg. Co. (Quick Shifts Anti-Rattlers, Whip Sockets, etc.
PHILADELPHIA—Andrews Mfg. Co. (Door Knobs), 388 Harmony
**Berger Bros. Co.** ("Keystone" Boiler Handles), 229 Arch
Brewer Bros. Co. (Builders), 2nd & Somerset
Brohard Co. (Doorholders, etc.), 3rd & Lehigh)
Devlin Thos. Mfg. Co. (Carriage, Saddlery, Builders, etc.), 3d & Lehigh av
Dowler Chas. L. (Carriage), 108 N 3d
Dunn & Eldridge Co. (Upholstery), 6 N 6th
**Enterprise Mfg. Co. of Pa.** (Specialties), 3d & Dauphin
Gem Stopper Co. "Gesco" (Wire), 2120 Nicholas av
Kensington Hdwe. & Tool Mfg. Co. (Axe, Saws, Planes & Trowels), 410 Mechanic, Germantown
Klufkee H. E. Saddlery Co. (Harness Mountings, etc), 109 N 3d
Miller Lock Co. (Locks), 4523 Tacony, Fkd.
Mousley's Chas. Sons (Car, Brass & Bronze), 457 N 12th
Nock Geo. W. Co. (Locks), 126 N 4th
North Bros. Mfg. Co. (Screw Drivers & Specialties), Lehigh av & American
Parsons Specialty & Machine Works (Specialties in Metal & Wire), 2427 N 4th
Peters James & Son (Hinges), 1934 N Front
Phila. Hdwe. & Mall. Iron Wks., 9th & Jefferson
Royal Mfg. Co. (Household Specialties), 406 Commerce
Sterling Machine Works, 2622 Amber
PITTSBURGH—Hubbard & Co., 62nd & Butler
Lanz M. & Sons (Hinges, etc), 2907 Carson
McKinney Mfg. Co. (Hinges, Butts, Door Hangers), Liverpool & Metropolitan
Oliver Iron & Steel Co. (Wagon), S 10th & Muriel
READING—Chantrell Hardware & Tool Co. (Builders' & Shelf)
POTTSTOWN—Colebrookdale Iron Co. (Specialties)
Gray Iron Fdry. Co.
Penn Hardware Co. (Builders, etc)
Rapp Philip
Reading Hardware Co. (Builders, etc.)
Reading Saddle & Mfg. Co. (Household Specialties)
SHARON—Sharon Hardware Mfg. Co. (Builders)
WRIGHTSVILLE—Wrightsville Hardware Co. (Builders & Specialties)

RHODE ISLAND.

WOONSOCKET—Perforated Pad Co. (Saddlery)

TENNESSEE.

CHATTANOOGA — American Mfg. Co. (Harness & Builders)
McGregor J. F. & Co. (Specialties)
Southern Skein & Foundry Co. (Wagon)
NASHVILLE—Cumberland Foundry & Mfg. Co. (Specialties)

VERMONT.

WINDSOR—Hubbard & McClary (Specialties, Hangers)

VIRGINIA.

RICHMOND — Richmond Cedar Works (Specialties), Fulton

WASHINGTON.

SEATTLE—Art Hardware & Mfg. Co. (Builders)

WISCONSIN.

BERLIN—Peck C. A. Hardware Co. (Specialties)
JANESVILLE—Strickler Hay Tool Co.
LA CROSSE—Stamping & Tool Co. (Dies, Tools & Specialties)
MILWAUKEE—Bolles Wm. B., P. O. Box 600M *See adv index at end of book*
Loeffelholz Co. (Cabinet)
Luitink & Sons Mfg. Co. (Door Hangers), 775 18th
**Schartow Mfg. Co.** (Saddlery)
Western Hdwe. Mfg. Co. (Specialties), 858 3d
Winter R. G. Mfg. Co. (Specialties), 2102 Vliet
Young Specialty Co., 2220 Vliet
NORTH MILWAUKEE—Wagner E. R. Mfg. Co. (Specialties for Children's Vehicles)
**RACINE—Beffel Frank Mfg. Co.** (Specialties)
Harvey Spring & Forging Co. (Wagon)
Imperial Bit & Snap Co. (Saddlery, etc)
Racine Malleable & Wrought Iron Co. (Saddlery)
**Wisconsin Metal Products Co.** (Specialties)
SOUTH MILWAUKEE—Lime Material Co.
Stowell Co., The (Wagon Malleables, Clevises, etc)
WEST ALLIS—Milwaukee Stamping Co. (Trunk & Bag)

## Hardware Mfrs. (Automobile)

See Mountings, Automobile: also Hardware Manufacturers, Carriage

### 5921—Hardware Mfrs. (Automobile & Carriage Top)

Ashtabula Bow Socket Co., Ashtabula, O.
Auto Specialties Mfg. Co. (Inc.), (Auto Top), Joliet, Ill.
Buermann August Mfg. Co. (Auto Top), Newark, N. J.
**Cleveland Hardware Co.** (Auto Top), Lakeside av & E 45th, Cleveland, O.
Crandal, Stone (Division The Brewer-Tichener Corp.), Binghamton, N. Y.
Detroit Socket Co., 834 W Jefferson, Detroit, Mich.
Wheel B. Top & Hdwe. Co., 127 E 8th, Cincinnati, O.

### 5922—Hardware Mfrs. (Awning)

Boyle John & Co., 112 Duane, New York
Cleveland-Akron Bag Co., Cleveland, O.
**Coleman Hardware Co., 122 S Michigan** av, Chicago, Ill.
Grammes L. F. & Sons, 344 Union, Allentown, Pa. *See adv index at end of book*
Neptune Hardware Mfg. Co., 29 Murray, New York
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Stant Geo. Machine Works, Connersville, Ind.
Western Tool & Forge Co., Brackenridge, Pa.
Wilcox, Crittenden & Co, Inc., Middletown, Conn. *See adv index at end of book*

### 5923—Hardware Mfrs. (Billiard Table)

Chicago Hardware Fdry. Co., No. Chicago, Ill.
Dent Hardware Co., Fullerton, Pa.

### 5924—Hardware Mfrs. (Cabinet)

**American Mfg. Co., Chattanooga, Tenn.**
American Ring Co., Waterbury, Conn.
Artistic Bronze Co., Bridgeport, Conn.
Berbecker Julius & Sons Co., Arlington Heights, Ill.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Bulman E. O. Mfg. Co., Grand Rapids, Mich.
**Burns & Bassick Co.** (Division of the Bassick Co.), **Bridgeport, Conn.**
Chicago Hardware Fdry. Co., No. Chicago, Ill.
Christensen Rudolph, 107 Chambers, New York
Coleman Hardware Co., 122 S Michigan av, Chicago, Ill.
Corbin Cabinet Lock Co., New Britain, Conn.
Foster, Merriam & Co. (Casters, Pulls, Knobs, Escutcheons, etc), Meriden, Conn.
Grammes L. F. & Sons, 344 Union, Allentown, Pa. *See adv index at end of book*
**GRAND RAPIDS BRASS CO.,** Grand Rapids, Mich.
*See adv index at end of book*
Greene, Tweed & Co., 109 Duane, New York
Guerin P. E. (Inc.), 21 Jane, New York
Hardware Supply Co., Grand Rapids, Mich.
Highton Wm. & Sons Co. (Also Desk), Nashua, N. H.
**Keystone Friction Hinge Co.** (Furniture Hardware Specialties), **Williamsport, Pa.**
Knape & Vogt Mfg. Co., Grand Rapids, Mich.

Loeffelholz Co., Milwaukee, Wis.
National Brass Mfg. Co., Cincinnati, O.
National Lock Co. (Brass & Plated), Rockford, Ill.
Niessen Bros. & Co., 3153 Army, San Francisco, Cal.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS, New Britain, Conn.**
*See adv index at end of book*
Thurston Manual Training Supply Co., Anoka, Minn.
Walstad Machine Co., Tacoma, Wash.
Weber-Knapp Co. (For Furniture & Phonographs), Jamestown, N. Y.
Williams F. B. Co., 507 E 39th, Chicago, Ill.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 5925—Hardware Mfrs. (Car)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Creamer W. G. & Co., 96 John, New York
Dayton Mfg Co., Dayton, O.
Delaware Marine Mfg. Co. (Brass & Bronze), Wilmington, Del.
Mousley's Chas. Sons (Brass & Bronze), 457 N 12th, Phila., Pa.
Rostand Mfg. Co. ("Rostand"), Milford, Conn.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 5926—Hardware Mfrs. (Carriage)

American Brass Novelty Co., Grand Haven, Mich.
**American Shovel and Stamping Co., Lorain, Ohio**
Atwater Mfg. Co., Southington, Conn.
Baldwin E. N. Shelton, Conn.
Beckley-Ralston Co. (Automobile), 1801 S Michigan av, Chicago, Ill.
Blakeslee Forging Co., Plantsville, Conn.
**Clapp E. D. Mfg. Co., 300 Genesee, Auburn, N. Y.**
Cleveland Hardware Co. (Also Wagon), Lakeside av. & E 45th, Cleveland, O.
**Columbus Bolt Works Co., Columbus, O.**
Cowles C. & Co., New Haven, Conn.
Crandal, Stone (Division The Brewer-Tichener Corp.) (Also Wagon & Automobile), Binghamton, N. Y.
Crane W. T. Carriage Hardware Co. (Iron, Steel, Wheels, etc), 165 Mulberry, Newark, N. J.
**Cray Bros. (Jobbers), 1111 W 11th, Cleveland, O.**
Devlin Thos. Mfg. Co., 3d & Lehigh av, Phila., Pa.
Douglas & Lomason Co., 642 Lincoln, Detroit, Mich.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O
Eccles Richard Co. (Also Drop Forgings), Auburn, N. Y.
English & Mersick Co., New Haven, Conn.
Franklin Park Foundry Co., Franklin Park, Ill.
Harvey Spring & Forging Co. (Wrought Wagon), Racine, Wis.
Haury Hardware Co., 470 Broadway, Cleveland, O.
Herbrand Co., Fremont, O.
Hesse W. G. & Son Mfg. Co. (Wagon), Leavenworth, Kan.
Johnson & Walter Mfg. Co. 53 Baltimore, Detroit, Mich.
Keystone Forging Co. (Drop Forged), Northumberland, Pa.
Monarch Carriage Goods Co., Cincinnati, O.
Moore Franklin Co., Winsted, Conn.
Mossman, Yarnelle & Co. (Bow Sockets), Ft. Wayne, Ind.
Nelson & Call Co., Cortland, N. Y.
Ochsner A. & Son (Coach & Carriage Lamps), New Haven, Conn.
**Oliver Iron & Steel Co. (Wagon), S 10th & Muriel, Pittsburgh, Pa.**
Perpente Mfg. Co., New Haven, Conn.
Pratt & Letchworth Co., Buffalo, N. Y.
Queen City Forging Co., Tennyson & Dumont, Columbia, Cincinnati, O.
**Racine Malleable & Wrought Iron Co., Racine, Wis.**
Searls Mfg. Co. (And Carriage Mountings), 29 Mulberry, Newark, N. J.
Seward M. & Son Co. (Wagon), New Haven, Conn.
Smith H. D. & Co., Plantsville, Conn.
Southern Skein & Foundry Co. (Wagon), Chattanooga, Tenn.
Stant Geo. Machine Works, Connersville, Ind.
Stowell Co., The (Wagon Malleables, Clevises, etc.), South Milwaukee, Wis.
Strieby & Foote Co., 301 Ogden, Newark, N. J.
**Studebaker Corp. (Also Wagon), South Bend, Ind.**
Upson Nut Co., Cleveland, O.
Warner Mfg. Co. (Children's), Greenfield, Mass.
Wheel B. Top & Hdwe. Co. (Also Wagon), 127 E 8th, Cincinnati, O.
White Mfg. Co., Bridgeport, Conn.
Wilcox D. Mfg. Co., Mechanicsburg, Pa.
Woodruff Walter W. & Sons Co. (Carriage & Automobile Mountings, etc), Mt. Carmel, Conn.

## 5927—Hardware Mfrs. (Casket)

Aluminum Castings Co. (Castings) 2210 Harvard, Cleveland, O.
**Casket Hardware Mfg. Co., 820 W Warren, Detroit, Mich.**
**Cincinnati Coffin Co., Richmond, Carr & Fillmore, Cincinnati, O**
**Crane & Breed Mfg. Co., 1227 W 8th, Cincinnati, O.**
**Elgin Silver Plate Co., Elgin, Ill.**
International Silver Co. (Silver Plated), **Meriden, Conn.**
Langenau Mfg. Co., 8403 Franklin, N W, Cleveland, O.
Meriden Britannia Co., Meriden, Conn.
**Morgan Silver Plate Co. (And Funeral Supplies), Winsted, Conn.**
National Brass Mfg. Co. (Hearse Trimmings), Cincinnati, O.
Rogers Silver Co., Westfield, Mass.
**Schmid Mfg. Co., Dubuque, Ia.**
**Sterling Casket Hardware Co., 383 Kent av, Brooklyn, N. Y.**
**Strong Mfg. Co., Winsted, Conn.**
**Western Casket Hardware Co., Elgin, Ill.**
Wilmarth W. D. & Co., Attleboro, Mass.

## 5928-9—Hardware Mfrs. (Fire Door)

Allith-Prouty Co. ("Allith" & "Prouty"), Danville, Ill.
Bolles Wm. B., P. O. Box 600M, Milwaukee, Wis.
*See adv index at end of book*
Dusing & Hunt, 386 Michigan av, Buffalo, **N. Y.**

## Hardware Mfrs. (Furniture)

See Hardware Mfrs., Cabinet

## 5930—Hardware Mfrs. (Marine)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Blasier-Sanborn Mfg. Co., Utica, N. Y.
Bliss Bros., 170 Commercial, Boston, Mass.
**BONNEY VISE & TOOL WKS., INC.,** Allentown, Pa.
*See adv index at end of book*
Campbell A. S. Co. ("Cello" Motor Boat Electric Lighting Systems), 276 Commercial, Boston, Mass.
Delaware Marine Mfg. Co. (Brass & Bronze), Wilmington, Del.
Dent Hardware Co., Fullerton, Pa.
Detroit Shipbuilding Co. ("Kirby") (Brass Department), ft. Orleans, Detroit, Mich.
**Durkee Chas. D. & Co., 2 South, New York**
Ellison Brass Mfg. Co. (Port Holes), Jamestown, N. Y.
**Ford Pulley & Hdwe. Co., Inc., 404 4th av,** New York
**Gibson & Kirk Co. (Brass), 217 Key Highway, Baltimore, Md.**
Gloucester Block Co. (Fittings), Gloucester, Mass.
Greene, Tweed & Co., 109 Duane, New York
Laughlin Thos. Co., Portland, Me.
McMillan's W. H. Sons, 153 South, New York
Marine Hdw. Co. (Yacht), Peabody, Mass.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
Marine Mfg. & Supply Co., 158 South, New York
Mead John J. Co., 75 Barclay, New York
*See adv index at end of book*
Morss A. S. Co. (Motor Boat Fittings, etc), 132 Federal, Boston, Mass.
Mousley's Chas. Sons (Brass, Bronze, etc), 457 N 12th, Phila., Pa.
Neptune Hardware Mfg. Co., 29 Murray, New York
Norwalk Lock Co., South Norwalk, Conn.
Phila. Hdwe. & Malleable Iron Wks., 9th & Jefferson, Phila., Pa
Pullman Mfg. Co., Rochester, N. Y.
Sargent & Co (All Kinds), New Haven, Conn.
Slaymaker Lock Co. (Also Ship), Lancaster, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Tiebout W. & J. (Brass & Galvanized), 118 Chambers, New York
Torrey Roller Bushing Works, Bath, Me.
Union Hardware Co., Torrington, Conn.
Upson Walton Co., 1294 W 11th, Cleveland, Ohio
Watson Frye Co., Ltd., Bath, Me.
Whiting W. H. & Co., 222 E Pratt, Baltimore, Md.
Wilcox, Crittenden & Co., Inc., Middletown, Conn.
*See adv index at end of book*
Wilkinson A. J. & Co., 184 Washington, Boston, Mass.

## 5931—Hardware Mfrs. (Metal Window)

Smith, Frank F. Hardware Co. ("Smith's" Pivoted Window Hardware, etc), 81 Clay, Newark, N. J.

## 5932—Hardware Mfrs. (Piano Player)

Elgin Metal Novelty Co., Elgin, Ill.
Norris Noiseless Pedal Action Co., Stoughton, Mass.
Standard Player Hdwe. Co., 512 W 36th, New York

## 5933—Hardware Mfrs. (Piano & Organ)

Advance Felt & Cutting Co., 380 S. Jefferson, Chicago, Ill.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Chicago Hardware Fdry. Co., 546 W Washington, N Chicago, Ill.
Cornwall & Patterson Co., Bridgeport, Conn.
Davenport John Co., Stamford, Conn.
Elkhart Hardware Mfg. Co. (Piano Only), Elkhart, Ind.
Haas Henry & Son, 1909 Park av, New York
Hedason Mfg. Co. (Piano only) 1041 State, New Haven, Conn.
Lynd L. E. Mfg. Co., Mechanicsville, N. Y.
McGreece Jas. P. & Co., 262 Dover, Boston, Mass.
Miller J. Walter Co., Lancaster, Pa.
Moore Geo. W., 44 Farnsworth, Boston, Mass.
**New York Piano Hardware Co., 315 5th av, New York**
Norris Noiseless Pedal Action Co., Stoughton, Mass.
Oakville Co. ("Oco" Hinges), Waterbury Conn.
Octo Engng. Ass'n, Inc., Rochester, N. Y.
Potter C. D. Co., Stamford, Conn.
Ramsey Chas. Co., Kingston, N. Y.
Reisner W. H. Mfg. Co. (Electro Magnets), Hagerstown, Md.
Stant Geo. Machine Works (Piano), Connersville, Ind.
West Side Foundry Co., Troy, N. Y.
Wickham Piano Plate Co., Springfield, O.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wright & Sons Co., 51 Jackson, Worcester, Mass

## 5934—Hardware Mfrs. (Pivoted Window)

Facile Window Co. ("Facile"), 103 Park av, New York

HARDWARE MFRS. (PIVOTED WINDOW)—continued

Grant Pulley & Hardware Co. 101 Park av, New York
Peters Jas. & Son ("Peters"), 1934 N Front, Phila., Pa.
Smith Frank Hardware Co. ("Smith"), 81 Clay, Newark, N. J.
Steiner & Voegtly Hardware Co. ("Giesey"), 230 Diamond, Pittsburgh, Pa.
Tabor Sash Fixture ("Tabor"), 63 Polk, Newark, N. J.

## 5935—Hardware Mfrs. (Saddlery)

American Chain Co., Bridgeport, Conn.
American Hame & Bit Co., 59 N. J. R. R. av, Newark, N. J
American Mfg. Co., Chattanooga, Tenn.
Atchison Saddlery Co., Atchison, Kan.
Brabson Bros., 47 Hamilton, Newark, N. J.
Buermann August Mfg. Co. (Bits, Spurs, Stirrups, etc), 220 Jeliff av, Newark, N. J.
Chapman W. H. Co., Middletown, Conn.
Hill & Langstroth (Wholesale), 79 Beekman, New York
Jenkinson R. C. & Co. (Sheet Metal & Wire Goods, etc), 293 Washington, Newark, N. J.
Columbus McKinnon Chain Co., Columbus, Ohio
*See adv index at end of book*
Cooper H. W. Saddlery Hardware Mfg. Co., Moline, Ill.
Cotton Mfg. Co., Montpelier, Vt.
Covert Mfg. Co., Troy, N. Y.
Covert Saddlery Works, Interlaken, N. Y.
Devlin Thos. Mfg. Co., 3d & Lehigh av, Phila., Pa.
Dorries & Co., Buffalo, N. Y.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O
Elbel Co. ("Owl Brand"), Canton, O.
Enterprise Mfg. Co. ("Pflueger" Metal & Inlaid Rosettes, Ornaments, Letters, Figures, Buckles, etc), Akron, O.
Fitch W. & E. T. Co., New Haven, Conn.
Frazer & Jones Co. ("Staple Brand"), Syracuse, N. Y.
**Gomph Henry G. & Co. (Tools), Albany, N. Y.**
Greacen & Co., 480 Washington, Newark, N. J.
Harsh-Miller Mfg. Co., Wabash, Ind.
Haven Malleable Castings Co., Cincinnati, Ohio
Hills Edwin (Harness, etc), Plainville, Conn.
Hogarty Edward, Unionville, Conn.
Imperial Bit & Snap Co., Racine, Wis.
Judd R. D., New Britain, Conn.
Kienzle Wm. F., 4855 N Paulina, Chicago, Ill.
Klufkee H. E. Saddlery Co. (Harness Mountings), 109 N 3d, Phila., Pa.
Nashua Saddlery Hdw. Co., Nashua, N. H.
North O. B. & Co., New Haven, Conn.
North & Judd Mfg. Co. ("Anchor" Brand, Saddlery, Blanket, etc), New Britain, Conn.
Perforated Pad Co., Woonsocket, R. I.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Read O. B. Mfg. Co., Troy, N. Y.
Reynold-Zahn Co., 46 Mechanic, Newark, N. J.
Sargeant Mfg. Co., 79 Summit, Newark, N. J.
**Schartow Mfg. Co., Milwaukee, Wis.**
Shreveport Saddlery Co., Shreveport, La.
Simmons Hardware Co., 9th & Spruce, St. Louis, Mo.
Smith G. L. & Co., 50 Spring, Newark, N. J.
Steffens-Amberg Co., 262 Morris av, Newark, N. J.
Triumph Mfg. Co. (Pianos & Player Hardware), 262 Dover, Boston, Mass.
*See adv index at end of book*
Wallace F. J. Co., Meriden, Conn.
Waterbury Button Corporation, 831 So Main, Waterbury, Conn.
*See adv index at end of book*
**Whitehouse Le Compte Mfg. Co. (Specialty Silver Trimmings), 44 Elm, Newark N. J.**
Wiener-Barnet Co., 328 Adams, Newark, N. J.
Williamsport Leather Goods Co. (Harness Specialties), Williamsport, Pa.
Woodhouse Wm. Chain Mfg. Co., Edgley, Bucks Co., Pa.
Wyeth Hardware & Mfg. Co., St. Joseph, Mo.

## Hardware Mfrs. (Screen Door)

See Index of Contents for Specific Article Wanted

## 5936—Hardware Mfrs. (Stationers')

Erie Metal Products Co., Erie, Pa.
Guerin P. E. Inc. (Bronze), 21 Jane, New York
Weeks Frank A. Mfg. Co., 93 John, New York

## 5937—Hardware Mfrs. (Theatre Stage)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Clancy J. R., Syracuse, N. Y.
McCabe Hanger Mfg. Co., 426-428 W 25th, New York *See adv index at end of book*

## 5938—Hardware Mfrs. (Trunk & Bag)

Am. Brass Novelty Co. (Lock), Grand Haven, Mich.
Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
**Gould's M. Sons & Co., 115 Lafayette, Newark, N. J.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Havell Mfg. Co. (Trimmings), 284 Washington, Newark, N. J.
**H. & A. Lock Co., 243 44th, Brooklyn, N. Y.**
Milwaukee Stamping Co., West Allis, Wis.
Neumann R. Hardware Co. (Also Suit Cases), 9 St. Francis, Newark, N. J.
Parsons Specialty & Machine Works, 2427 N 4th, Phila., Pa.
Richmond Pressed Metal Works, Inc., Stockton & 6th, Richmond, Va.
St. Louis Trunk Hardware Mfg. Co., St. Louis, Mo.
Sessions J. H. & Son (Malleable Iron & Steel Trimmings, etc.), Bristol, Conn.
**STANLEY WORKS, New Britain, Conn.**
*See adv index at end of book*

## 5939—Hardware Mfrs. (Upholstery)

American Ring Co., Waterbury, Conn.
Berbecker Julius & Sons Co., Arlington Heights, Ill.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Drapery Hardware Mfg. Co., 87 35th Brooklyn, N. Y.
Dunn & Eldridge Co. (Brass), 6 N 6th, Phila., Pa.
Foster, Merriam & Co., Meriden, Conn.
Gould-Mersereau Co., 52 W 38th, New York
Kroder Jno. & Henry Reubel Co., Meeker av, Brooklyn, N. Y.
Newell Mfg. Co., Ogdensburg, N. Y.
Novelty Mfg. Co., Waterbury, Conn.
Turner & Seymour Mfg. Co. (Also Drapery Hardware), Torrington, Conn.
Waterbury Mfg. Co., Waterbury, Conn.

## Hardware Mfrs. (Wagon)

See Firms in Hardware, Carriage, with the word Wagon following their names

## 5939a—Hardware (Phonograph)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**GRAND RAPIDS BRASS CO.**, Grand Rapids, Mich
*See adv index at end of book*

## 5939b—*Hardware (Refrigerator)

**DENT HARDWARE CO.**, Fullerton, Pa.

## 5939c—Hardware (Showcase)

Knape & Vogt Mfg. Co. ("Ideal" & "Victor"), Grand Rapids, Mich.

## 5939d—*Hardware (Special Designs)

Duffy, J. F., Jr., 563 Fulton, Chicago, Ill.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## Hardware Trimmings (Porcelain)

See Porcelain Specialties, Electrical, Mechanical, Etc.

AMERICAN HARDWARE JOBBERS' DIRECTORY
of the U. S. and Canada
Lines of Goods Handled
List of Heavy Hardware Jobbers
List Automobile Accessory Jobbers
List of Department Stores selling Hardware and House Furnishing Goods
New York Exporters who export Hardware
Trade Name Index. 7,000 names of hardware articles, alphabetically indexed
270 pages
Price $2.50, Postpaid
EDWARD G. BALTZ
*Publisher*
107 Sixth St., Pittsburgh, Pa.

## 5940-41—Hardware (Wholesale)

The firms under this classification are Wholesalers and firms who do Local Jobbing
See also Contractors' Tools & Supplies, also Mill & Factory Supplies; also Tin Plate, Metals, etc. For Manufacturing Firms see Hardware Mfrs.; also the Specific Articles Required.

ALABAMA.

ANDALUSIA—Benson Hardware Co. (General Builders', Tools, Cabinet, Paints & Oils, etc)
ANNISTON—Anniston Hardware Co. (General & Saddlery)
Alabama Hdwe Co.
**BESSEMER—Long Lewis Hdw. Co.**
BIRMINGHAM — Moore-Handley Hardware Co. (General)
**Wimberly & Thomas Hardware Co. (General Heavy & Tools)**
BREWTON—Luttrell Hardware Co. (General)
ENSLEY—Byrum Hdwe. Co. (Builders)
**EUFAULA—Ross Hardware Co. (General)**
**EUTAW—Rogers Hardware Co. (General, Builders', Tools, etc.)**
EVERGREEN—Wild Bros. Hardware Co.
FLORENCE—Darby & King Hdw. Co.
HUNTSVILLE—McAnelly Hardware Co.
MOBILE — Cunningham Hardware Co. (General & Heavy)
**McGowin-Lyons Hardware & Supply Co.**
Turner Supply Co.
MONTGOMERY—Barnett G. W. Hardware Co. (General)
Loeb Hardware Co. (Carriage, Wagon, Saddlery & Auto Accessories)
Teague Hardware Co. (Vehicles, General)
Tullis-Gamble Hardware Co. (General & Heavy)
OPELIKA—Phillips-Yarbrough Hdw. Co.
Summers, Crosley & Co.
OXFORD—Burton & Co.
ROANOKE—Griffin & Satterwhite
Roanoke Hardware Co.
SELMA—Bloch Bros.
Robbins Hardware Co.
Schuster Benj. J. (General, Builders' & Heavy)
Selma Hardware Co.
**Tissier Hdw. Co.**
TROY—Simpson C. A.
TUSCALOOSA—Allen & Jemison Co. (General)

# GRAND RAPIDS BRASS COMPANY

GRAND RAPIDS, MICH.

***Manufacturer of Hardware***

| REFRIGERATOR | | FURNITURE | | PHONOGRAPH |
|---|---|---|---|---|
| Locks | Hinges | Pulls | Desk Slides | Tone Rods |
| Latches | Faucets | Knobs | Escutcheons | Lid Supports |
| Levers | Cupholders | Sockets | Sliding Shoes | Automatic Stops |
| Lid Lifts | Drip Cups | Catches | Hat Hooks | Needle Cups, etc. |

***Samples and Prices will be furnished the manufacturing trade on request***


## ARIZONA.

GLOBE—Globe Hdwe. Co.
NOGALES—Marsh Geo. B. (Inc.)
Roy & Titcomb (Heavy, etc.)
PHOENIX—Arizona Hardware Supply Co.
Pratt-Gilbert Co.
Rice Hdwe. Co.
Talbot & Hubbard
**Thayer Ezra W.**
PRESCOTT—Arizona Mine Supply Co.
Hill Samuel Hardware Co.
TUCSON—Steinfeld Albert & Co.

## ARKANSAS.

FORT SMITH—Atkinson-Williams Hardware Co. (General & Heavy)
Speer Hardware Co. (General Machinery, etc)
**HELENA—Ark. & Miss. Hdwe Co.**
**Helena Hardware Co.**
McRae Wholesale Hdwe. Co.
LITTLE ROCK—Fones Bros. Hardware Co.
Mast J. W. W.
Rose-Lyon-Kidd-Bossinger Hdwe. Co. (General & Heavy)
MAGNOLIA—Warnock W. H.
PARAGOULD—Meriweather W. W. & Son
PINE BLUFF—Fox Bros. **Hdwe Co. (General)**
**McGaughey Bros. Hdwe Co. (General & Stove)**
**ROGERS—Benton County Hardware Co.**
**TEXARKANA—Buhrman Pharr Hdwe Co.**
Hoffman Hardware Co.

## CALIFORNIA.

FRESNO—Island Iron Co.
O'Neil W. J. & Co.
**HOLTVILLE—Imperial Valley Hdwe Co.**
LOS ANGELES—Abbott Hdwe. Co.
Bennett Montgomery Hdwe. Co. (Builders), 403 E 3rd
California Hardware Co. (General, Builders & Tools), 500 E 1st
Davenport Implement Co. (General Agrl. Implts., etc) 110 N Los Angeles
Ducommun Hardware Co., 219 S Central av
Dunning Iron Store Co., 473 E 3rd
Harper & Reynolds Co. (General, Heavy, etc.), 152 N Main
Hoffman Hardware Co. (General & Heavy)
Hoffman-Marks Co. (Stoves), 226 S Main
Holbrook, Merrill & Stetson (Stoves, Tinware, etc), 750 N Spring
Los Angeles Heavy Hdwe. Co., 218 N Los Angeles
Pacific Brass & Hardware Mfg. Co. Builders & Lavatory), 1646 N Spring
Percival Iron Co., 232 Aliso
Simmons Hardware Co., Citizens Nat'l Bk. Bldg.
Southwest Hdwe. Co., 335 E 3rd
Union Hardware & Metal Co., 411 E 1st
Waterhouse & Lester Co., 325 N Los Angeles
Whiteing-Neal Commercial Co., 415 E 9th
MODESTO—Turner Hardware & Implement Co.
OAKLAND—Maxwell Hdwe Co.
**Western Heavy Hardware & Iron Co. (Inc.)**
PASADENA—Crown Hardware Co.
Pasadena Hdwe. Co.
PETALUMA—Schluckebier Hardware Co.
**REDDING—McCormick-Saeltzer Co.**
SACRAMENTO—Bowman's Hardware & Implement Co. (also retail agricultural implements)
Emigh-Winchell Hardware Co. (also retail)
Miller-Enwright Co. (Stoves, Tinware, Plumbers')
Schaw-Batcher Co. (General & Heavy)
Thomson—Diggs Co. (General)
SAN DIEGO—Hazard-Gould Co. (Heavy)
Western Metal Supply Co.
SAN FRANCISCO—Baker, Hamilton & Pacific Co. (All Lines in Iron & Steel), 7th & Townsend
Sloss & Brittain, 99 Beale.
Dunham, Carrigan & Hayden Co. (General, Heavy, Railway, Steamship, Brass Goods, etc.), Kansas & Division
Glessener, A. J. Co., (Heavy), 354 Howard
Harron, Rickard & McCone, 139 Townsend
Heyman-Weil Co. (Heavy, Stoves, Tinware, etc.), 720 Mission
Holbrook, Merrill & Stetson (Plumbers' & Tinners', Tools, Machinery, etc.), 6th & Bluxome
Joost Bros., Inc., 1053 Market.
Marshall, Newell Supply Co., Spear & Mission
Pike A. W. & Co. (Mfrs.' Agents, Hardware, Tools, etc.), 711 Mission
Scovel Iron Store Co. (Heavy), 754 Howard
Seller Bros. & Co. (Stoves, Tinware, etc.), 14 Spear
Sloss & Brittain, 99 Beale
Spotswood-Helfer Co. (Carriage & Heavy), 258 1st
Tavares J. G. & Co., 85 2d
Tayler & Spotswood Co. (Carriage, etc.), 19th & Minnesota
Waterhouse & Lester Co. (Carriage, Blacksmiths' & Horseshoers', etc), 540 Howard
Weeks-Howe-Emerson Co. (Marine), 90 Market
Wolfe Lbr. & Hdwe. Co., 2299 Folsom
SAN JOSE—San Jose Hdwe. Co.
Stock Jno. Sons
**SAN PEDRO—Marine Hdwe Co.**
**SANTA BARBARA—Ott Hdwe Co.**
STOCKTON—Austin Bros.

## COLORADO.

**ASPEN—Tomkins Lewis H. Hdwe Co.**
**COLORADO SPRINGS—Lowell - Meservey Hardware Co.**
DENVER—Dillon Hardware Co. (Heavy & Blacksmiths' & Wagonmakers' Supplies)
Moore Hardware & Iron Co. (General Heavy, Carriage & Blacksmiths')
Tritch Geo. Hardware Co. (General & Heavy)
**LEADVILLE—Tomkins H. H. Hardware Co.**
Western Hardware Co.
OURAY—Ouray Hdwe. & Supply Co.
PUEBLO—Holmes Hdwe. Co.
TELLURIDE—Tomkins-Cristy Hardware Co.
**TRINIDAD—Branson & Griswold Hdwe Co.**
Trinidad Hdwe. Co.

## CONNECTICUT.

BRIDGEPORT—American Hdwe. Stores, Inc., Fairfield av & Middle
Burritt A. W. Co., Knowlton
Burroughs Baldwin Co., Inc., 383 Fairfield av
Chapman & Bangs Co. (Heavy & Carriage)
Hawley Hardware Co. (Builders' & Manufacturers')
Hunter & Havens (General, Heavy, Carriage & Blacksmiths')
DANBURY—Danbury Hardware Co.
Hull F. A. & Son
DERBY—Hallock F. Co.
HARTFORD—Blodgett & Clapp Co. (Importers Heavy & Carriage), 1417 Main
Clapp & Treat (General & Sporting), 68 State
Cone J. H. & W. E. (Builders'), 87 Asylum
Ensworth L. L. & Son (Heavy, Mill & Carriage), 344 Front
Knoek L. S. & Co., 188 State.
Tracy, Robinson & Williams Co. (General, Tools, etc.), 78 Asylum
MERIDEN—Church & Morse (General & Heavy)
**NEW BRITAIN—Abbe Hardware Co.**
Rackliffe Bros. Co., Inc.
NEW HAVEN—Bronson & Townsend Co. (General)
Bushnell N. T. Co. (General, Tools etc)
Mersick C. S. & Co. (General, Heavy, Carriage, Tinners', Plumbers', Mill, etc)
NEW LONDON—Guest & Co. (Carriage, Blacksmiths' Heavy, etc)
Lyon & Ewald
Williams G. M. Co. (General & Heavy)
NORWALK—Hubbell & Staples Hdwe. Co.
NORWICH — Eaton-Chase Co. (General Mill, Electrical, etc)
Preston Bros. (General, Electrical, etc)
TORRINGTON—Union Hardware Co.
Hotchkiss Co. (General & Heavy)
WATERBURY—Hamilton Hardware Corp (Builders)
Templeton Charles A. (Inc.) (General & Heavy)
WATERTOWN—Hitchcock Hdwe. Co.
WILLIMANTIC—Jordan Hardware Co (General & Sporting)

## DELAWARE.

WILMINGTON—Capelle Hardware Co. (General & Heavy)
Delaware Hardware Co. (Builders, Coach & Heavy)
Wilson Hardware Co. (Heavy & Carriage)

## DISTRICT OF COLUMBIA.

WASHINGTON—Armentrout & Sons, 1710 **14th, N W**
Barber & Ross, 11th & G, N W
**Hartig, Louis, 1001 7th, N W**

DIST. OF COLUMBIA—Washington—cont.
**Kendall J. B. Co. (Coach Findings, Heavy Hardware, etc), 485 Mo. av**
Lambie Jas. B. Co., 1415 N. Y. av N W
**May F. P. Hardware Co. (General, Heavy & Cordage), 469 C. N. W.**
Rudolph & West Co., 1332 New York av

## FLORIDA.

**BRADENTOWN—Bradentown Hardware Co.**
**GAINESVILLE—Baird Hardware Co (General & Heavy)**
JACKSONVILLE—Cameron & Barkley Co. (Heavy)
Case Geo. E. & Co. (Marine)
Florida Hardware Co. (General & Heavy, Pumps, etc.)
Hebb H. W. Supply Co. (Marine)
Hubbard S. B. Co. (General & Heavy; also Marine Hardware, House Furnishings, Cutlery, Paints, Sporting Goods, Agricultural Implements, Plumbers', etc.)
Tower Hardware Co.
KEY WEST—Key West Hdwe. Co.
LIVE OAK—Suwanne Hardware Co.
**MIAMI—Budge Frank T. Co.**
OCALA—Marion Hardware Co. (General, Mill & Mining)
PENSACOLA—Avery A. M.
Ray W. A. Hardware Co.
**ST. AUGUSTINE—Hamblen C. F. (General, Heavy, Saddlery, etc)**
TAMPA—Knight & Wall Co. (Exporters, General & Heavy)
**Tampa Hardware Co. (General)**
**WEST PALM BEACH—East Coast Hdwe. Co.**
Palm Beach Mercantile Co.

## GEORGIA.

ALBANY—Sparks Hardware Co.
AMERICUS—Harris J. W. (Stoves, Implts, etc.)
**Sheffield Co. (General, Heavy, Saddlery, Agrl. Implts.)**
ATHENS—Athens Hardware Co. (Inc.) (General, Heavy, Carriage, etc)
Fleming T. B. Hardware Co. (General)
ATLANTA—Beck & Gregg Hardware Co. (General, Heavy & Carriage)
Crumley-Sharp Hardware Co. (Builders' & General)
Dinkins-Davidson Hardware Co. (General, Heavy & Carriage)
King Hardware Co. (General, Tinware, etc)
Kirkpatrick Hardware Co. (Carriage & Heavy)
AUGUSTA—Augusta Hardware Co. (Implements, etc)
Wingfield Hardware Co.
BRUNSWICK—Georgia Hardware Co.
United Supply Co.
COLUMBUS—Beach Wm. Hardware Co. (General & Heavy)
Bush C. P. Hardware Co. (General)
Methvin Hardware Co.
Philips Hardware Co.
CORDELE—Watt & Holmes Hardware Co.
DALTON—Fite Hardware Co.
DAWSON—Battle Hardware Co.
**DUBLIN—Stevens Hdwe Co.**
FITZGERALD—Watt & Holmes Hardware Co. (General)
GAINESVILLE—Palmour Hardware Co.
Pruitt-Barrett Hardware Co.
HAWKINSVILLE—Whitfield Hardware Co.
HELENA—Folsom & Tillman Hardware Co.
LA GRANGE—Spinks Hdwe Co.
MACON—Dunlap Hardware Co. (General, Heavy, etc)
Merritt Hardware Co. (General, Heavy, etc)
**OCILLA—Watt & Holmes Hardware Co.**
ROME—Griffin Centrell Hardware Co., (Inc.), (General, Tinware etc)
Nixon Hardware Co. (General)
Rome Hardware Co. (Inc.) (General, Tinware, etc)
**SAVANNAH—Neal-Blun Co. (Builders')**
Peeples Hardware Co. (General)
Semmes Hardware Co. (General & Automotive Equipment, Cutlery, etc)
Weed J. D. & Co. (Shelf & Heavy Carriage & Wagon)
VALDOSTA—Briggs W. H. Hardware Co.
**Roberts J. E. & W. P. Hdwe Co.**
Strickland-Tillman Hardware Co.
WAYCROSS—Harley P. N. Hardware Co.
Watt Hardware Co.

## IDAHO.

BLACKFOOT—Neil F. Boyle & Co.
BOISE—Northrup Hardware Co. (Ltd.), (General, Heavy, etc.)
Stewart Wholesale Co.
Sweet-Teller Hdwe. Co.
CALDWELL — Cupples Mercantile Co., Ltd.
LEWISTON—Erb Hdwe. Co., Ltd.
POCTELLO—Salt Lake Hdwe. Co.
TWIN FALS—Salladay L. E.
WALLACE—Coeur D'Alene Hardware & Foundry Co. (General, Mining, etc)
WEISER—Haas Herman Hdwe. & Implement Co.

## ILLINOIS.

BLOOMINGTON—Holder Hardware Co.
Keiser-Van Leer Co. (Heavy)
CAIRO—Reed Hdwe. & Mfg. Co.
Woodward Hardware Co. (General & Heavy)
**CHICAGO—Allerton-Clark Co. (Mfrs.'** Agts.), 74 W Lake
**Biddle Purchasing Co., 208 S La Salle**
Bowler T. J., 1315 S. Wabash
Bullard & Gormley Co. (General, Cutlery, Tools, Tin Plate, Sheet Iron Metals), 175 N State
Butler Bros., Rand Bridge
Carpenter, Geo. B. & Co. (Marine), 440 W Wells
Cranston T. H. & Co. (Mfrs.' Agents), 56 E Randolph
**Draper & Snape (Blacksmiths' Supplies), 16 N Market**
**Fox Wm. B. & Bro., 180 W Dearborn**
**HIBBARD, SPENCER, BARTLETT & CO.,** ("Cruso," "Hib-Spe-Bar" "O V B" "Rovonoce" General, Household, Cutlery, Tin Plate, Woodenware, Paints, Oils, etc), 303 N State Street Bridge
Jones & Laughlin Steel Co. (Heavy, Railroad Supplies, Swedish Iron, etc), 440 W Lake
**Kimball E. D. & Co., 159 N Market**
Reading Hardware Co., 117 W Lake
Rehm Hardware Co., 1501 Blue Island av
**Ryerson J. T. & Son (Heavy, Iron & Steel Sheets, Plates, Bands, Bars,** Shafting Bolts & Nuts, Angles, **Boiler Mfrs.' Supplies, etc.), 910** Corn Echange bldg., & 16th & Rockwell
*See adv index at end of book*
Wilkins, Geo. H. Co., 180 N Market
DANVILLE—Conron Thos. Hdwe. Co (Shelf)
Dowling-Schultz Hardware Co. (Shelf, Heavy, etc)
Yeomans & Shedd Hardware Co. (Shelf, Heavy, etc)
**DECATUR—Morehouse & Wells Co. (General Sporting Goods, Heavy, etc.)**
**ELGIN—Elgin Saddlery & Harness Co.**
**Hawthorne Hardware Co.**
Ziegler Bros. Co.
FREEPORT—Weiss & Co.
GALENA—Millhouse Bros. & Co.
JOLIET—Barrett Hardware Co. (General & Heavy)
Swing W. P.
MENDOTA—Holland & Co.
MOLINE—Dunn Thomas & Sons
**PEKIN—Velde, Roelfs & Co. (Shelf, Heavy, Carriage & Tools)**
PEORIA—Clark-Smith Hardware Co. (Shelf, Builders, etc)
Cummings & Emerson (Heavy, Carriage, etc)
Walker Isaac Hardware Co. (Shelf, Builders, Sporting Goods, etc)
**QUINCY—Gunther Hardware Co.**
Tenk Hardware Co. (General, Heavy, Cutlery, Auto Accessiries, etc)
ROCKFORD—Ray, Wharton H'dware Co.
ROCK ISLAND—Rock Island Hardware Co. (General & Heavy)
SPRINGFIELD—Miller W. B. & Son (Retail, Builders, General, etc)
STREATOR—Williams Hdwe. Co. (General) Williams bldg
*See adv index at end of book*
**URBANA—Hall Chas. A. Hdwe Co.**

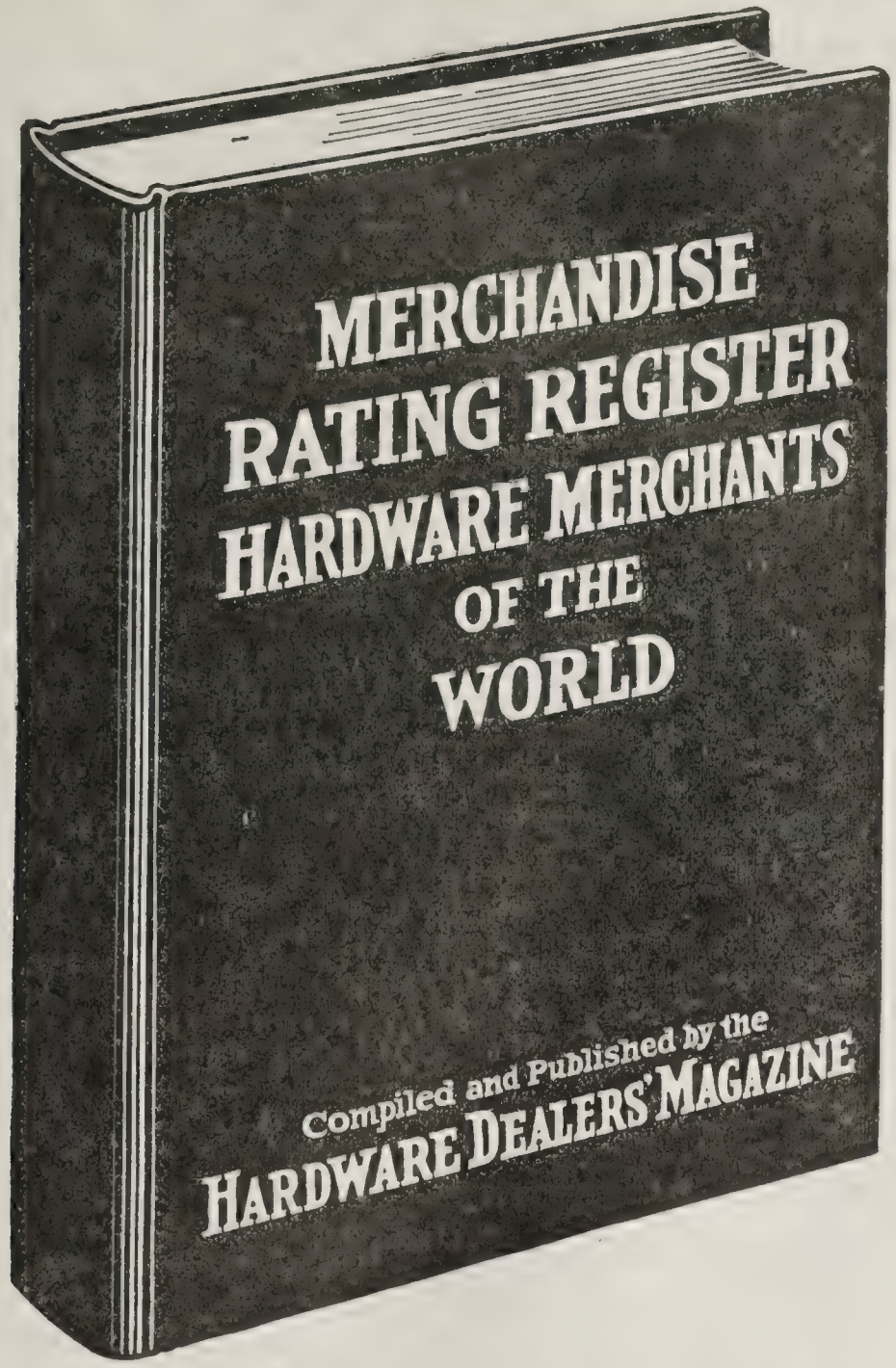
## INDIANA.

BLUFFTON—Williamson Hardware Co.
**COLUMBUS—Schwartzkopf's J. G. Sons**
CRAWFORDSVILLE — Crawfordsville Hardware Co. (General)
ELKHART—Borneman & Sons
EVANSVILLE—Boetticher & Kellogg Co. (Shelf Hardware)
Bush E. M. Hardware Co. (Shelf)
Clifford Hardware Co. (Shelf)
Orr Iron Co. (Heavy, Blacksmiths, Carriage & Wagon, etc)
FORT WAYNE—Fort Wayne Iron Store Co. (Carriage, Wagon & Heavy)
**Mossman, Yarnelle & Co. (Heavy & Carriage)**
**Pfeiffer Henry & Son Co.**
Schlatter C. C. & Co. (General Builders', Mill, etc)
Seavey Hardware Co. (Shelf)
GARY—Calvert Hardware Co.
People's Hdwe. Co.
GOSHEN—Hawks Hardware Co. (General)
HUNTINGTON — Reichenbach - Wickenhiser Co.
INDIANAPOLIS—Builders' Supply Corporation (General, Builders', Paints, Oils, etc.), 342 E Wash.
Holliday W. J. & Co. (Heavy, Iron & Steel), 326 W Georgia
**Lilly Hardware Co., 114 E Washington**
Standard Metal Co. (Tin Plate, Sheet Iron, etc.), 135 S Pennsylvania
**Tanner & Co., 216 S Meridian**
Van Camp Hardware & Iron Co. (General, Heavy, Carriage & Wagon, etc.), 401 W Maryland
Vonnegut Hardware Co. (Builders', Cabinet, Heavy, Mill Supplies, etc.), 120 E Washington
KOKOMO—Armstrong Landon Co.
Kokomo Hardware Co.
LAFAYETTE—Shipley Hardware Co. (General, Stoves, Tinware, etc)
Shuee-Bahls Hardware Co. (Shelf & Heavy)
LOGANSPORT—Ullery S. W. & Son
MARION—Marion Hardware Co.
MICHIGAN CITY—Staiger Hardware Co.
MUNCIE—Kimbrough Hardware Co.
**NORTH VERNON—Tripp Fred H. Hdwe. Co. (Heavy & General Farm Machinery)**
RICHMOND—Jones Hardware Co. (General, Agricultural Implements, etc)
Miller Bros. Hardware Co. (Cutlery, Fencing, Sporting Goods, Tinware, etc)
SOUTH BEND—Sibley Hdwe. Co.
TERRE HAUTE—Austin Hardware Co.
Smith's C. C. Sons Co.
Terre Haute Heavy Hardware Co.
VINCENNES—Salter-Morgan Co.

## IOWA.

BURLINGTON—Burlington Iron Store Co. (Heavy)
Donahue Robert Iron & Hardware Co. (Heavy, Blacksmiths', Carriage, etc).
Drake Hardware Co. (General)
CEDAR RAPIDS— Larimer E. K. Hardware Co. (Heavy)
CLINTON—Armstrong C. E. & Sons (General)
Moeszinger-Marquis Hardware Co.
COUNCIL BLUFFS—Empkie-Shugart-Hill Co. (General Shelf, Builders', Sporting Goods, etc)
DAVENPORT — Hanssen's Louis Sons **(Hardware)**
Sickels & Preston Co. (General, Builders, etc.)
Sieg Co. (Heavy, Carriage & Wagon Materials; also Agr'l Impl. Specialties)
DES MOINES—Brown-Camp Hardware Co. (General, Shelf, Builders', Sporting Goods, etc)
Des Moines Iron Co. (Heavy, Carriage, etc)
**Kurtz L. H. Co.**
Luthe Hardware Co. (General, Shelf, Builders, etc)
DUBUQUE—Ernsdorff John Iron Co. (Heavy, Carriage, etc)
Tredway A. & Sons Hardware Co. (General, Heavy, Cutlery, etc)
FORT DODGE—Prusia Hardware Co. (General, Shelf, etc)
KEOKUK—Weber A. Co. (General, Heavy, etc),
LAKE MILLS—Styve Bros.
MARSHALLTOWN—Abbott & Son
**MASON CITY—Currie Hardware Co.**

# Real Facts About The Hardware Trade




## New Edition Now Ready—Price $7.50 Postpaid

SECTION 1 Directory of Hardware Merchants in the United States (including U. S. Possessions) and Canada, giving their stock rating as follows:

| | | |
|---|---|---|
| AA—$100,000 up | K— 20,000 up | D— 3,000 up |
| O— 75,000 up | H— 15,000 up | E— 2,000 up |
| M— 50,000 up | B— 10,000 up | F— 1,000 up |
| I— 35,000 up | V— 7,500 up | W—Wholesale |
| A— 25,000 up | C— 5,000 up | |

SECTION 2. Directory of Hardware Merchants and Importers in MEXICO, CENTRAL AMERICA, WEST INDIES, SOUTH AMERICA, EUROPE, GREAT BRITAIN, AFRICA, ASIA, AUSTRALIA.

SECTION 3. Directory of Wholesale Hardware Houses in the United States and Canada; giving Date Established, Capital, Territory Covered, Lines Handled and Percentage of Wholesale Business to Total Business.

SECTION 4. Directory of Exporters Handling Hardware, Tools, Etc.

SECTION 5. Directory of Selected Department Stores Handling Hardware, Tools, Etc.

SECTION 6. 5 and 10-cent Store Syndicates—Buying Addresses.

SECTION 7. List Members Hardware Manufacturers' Association.

SECTION 8 Wholesale Willow and Woodenware Houses.

SECTION 9. Wholesale Paints, Oils, Varnishes, Etc

COMPILED AND PUBLISHED BY THE

**HARDWARE DEALERS' MAGAZINE, Grand Central Palace, NEW YORK**

IOWA—continued

MUSCATINE—Fuller & Hiller Hdwe. Co.
OTTUMWA—Harper & McIntire Co. (General, Stoves, Cutlery, etc)
**Hand B. A. Co. (General, Heavy,** Miners, etc)
**Haw Hardware Co.**
SIOUX CITY—Dymond-Simmons Hardware Co. (Handle, General, etc)
Knapp & Spencer Co. (General, Stoves, Ranges, Heaters, etc)
Sioux City Iron Co. (Heavy)
WATERLOO—Cutler Hardware Co. (General, Shelf, Builders' & Sporting Goods)

## KANSAS.

ATCHISON—Atchison Saddlery Co. (Saddlery)
Blish, Mize & Silliman Hardware Co. (Shelf & General)
Harwi A. J. Hardware Co. (General, Sporting Goods, etc)
Klestermeier Bros. Hardware Co.
EMPORIA—**Haynes Hdwe Co.**
ESKRIDGE—Trusler, Wm. Hardware Co.
FORT SCOTT—Penniman A. C. & Son
HUTCHINSON—Achning Chas. J.
LEAVENWORTH—Crancer Hardware Co. (General Tinners', Harness, Cutlery, Sporting Goods, etc)
PARSONS—Steele Hdwe Co.
PITTSBURG—Deruy Hdwe. Co.
SALINA—Lee Hardware Co. (General & Heavy)
TOPEKA—Thompson W. A. L. Hardware Co. (Shelf & Heavy)
KANSAS—continued
WICHITA—Massey Iron Co. (Heavy, Blacksmiths', etc)
Morton-Simmons Hardware Co.
Motor Equipment Co. (Heavy)
Shattuck-George Iron Co. (Heavy & Blacksmiths')
United Electric Co. (Electrical Supplies)

## KENTUCKY.

ASHLAND—Watson Hdwe. Co.
Williamson Ben & Co.
HENDERSON—Blackwell P. A. & Co. (General)
Lambert-Grisham Hardware Co.
HOPKINSVILLE—Forbes Mfg. Co. (General, Tinware, etc)
LEXINGTON—Van Deren Hardware Co. (General & Heavy)
LOUISVILLE—Belknap Hardware & Mfg. Co. (General, Heavy, Carriage, Saddlery)
Fulton, Conway & Co. (Wagon & Carriage Makers' Tools, Supplies & Hardware, Wire Nails, etc.)
Hidden Otis Co. (Cabinet)
Louisville Tin & Stove Co.
Robinson Bros. & Co. (General, Cutlery, Saddlery, Guns, Agricultural Implements, Paints, etc)
Stratton & Terstegge Co. (General Stoves, Tinware, Tinners' Supplies, Woodenware, Roofing, etc.)
MIDDLESBORO—Kentucky Mine Supply Co.
OWENSBORO—Guenther Hardware Co. (General, Heavy & Carriage Railroad)
Turley T. J. Co.
PADUCAH—Hank Bros. (General)
Michael M. & Bro.
PAINTSVILLE—Big Sandy Hdw. Co. (Gen'l)

## LOUISIANA.

ALEXANDRIA—Brown-Roberts Hdwe & Supply Co. (Ltd.)
BATON ROUGE—Doherty Hardware Co., Ltd. (General, Cordage, etc)
CROWLEY—Thomson-Reiber Implement Co.
Fuqua Hardware Co. (General)
LA FAYETTE—Lacoste Hardware Co., Ltd.
LAKE CHARLES—Murray-Brooks Hardware Co. (Ltd.)
MONROE—Monroe Hardware Co., Ltd. (General)
NEW ORLEANS—Baldwin A. & Co., Ltd. (General, Heavy Stove, Machinery, Mill Supplies, Agri. Impits., Crockery, etc), Camp & Common
Electric Appliance Co. (Automotive) 416 Canal
Globe Supply & Machinery Co., 627 S. Peters
Pitard (General, Paints, Wallpaper, etc), 1031 Canal
Rowan P. P. Co., Ltd., 920 Perdido
Schwartz Jos. Co., Ltd., 548 Baronne
Standard Supply Co., 420 Carroll
Stauffer, Eshleman & Co. (Ltd.), (General, Heavy, Stoves, Cutlery, Fire Arms, etc.), 511 Canal
Woodward, Wight & Co. (Ltd.) (General, Heavy, Mill Supplies, Ship, Chandlery, etc), Howard av & Constance
RUSTON—Ruston Hdwe. & Furn. Co., Ltd.
SHREVEPORT—Buckelew Hardware Co.
Lee Hardware Co., Ltd. (General Cutlery, Stoves, Glassware, etc.)
Thomas-Ogilvie Hardware Co., Ltd. (Handle, General, etc)
THIBODAUX—Planters' Hardware & Mill Supply Co., Ltd. (General, Heavy, Cutlery, Mill Supplies, etc)

## MAINE.

AUGUSTA—Brooks Hardware Co.
BANGOR—Bragg N. H. & Sons (Heavy, Carriage, etc)
Dickey Wm. P. & Co. (General)
Haynes & Chalmers Co. (General, Heavy, Saddlery, etc)
Rice & Miller Co. (General, Explosives, etc)
BATH—Johnson Bros. Co. (General, Heavy, Ship Chandlery)
BRUNSWICK—Eaton Hardware Co. (General)
EASTPORT—Wadsworth S. L. & Son
FT. FAIRFIELD—Cary L. K. Co.
HOULTON—Bragg Almon H. Co.
Watson Jonn & Co. (General, Cutlery, Agr'l Impl'ts, etc)
LEWISTON—Hall & Knight Hardware Co. (General Plumbers', Pipe, etc)
PORTLAND—Corey E. & Co. (Heavy, Wagonmakers', Blacksmiths' & Lumbermen's Supplies)
Edwards & Walker Co. (General & (Heavy)
Emery-Waterhouse Co. (General & Heavy)
King & Dexter Co.
Talbot, Brooks & Ayer
ROCKLAND—Crie H. H. & Co. (General)

## MARYLAND.

BALTIMORE—Adams J. R. M., Eutaw & Franklin
Anderson & Ireland Co. (General), 111 Light
Carlin & Fulton Co., 309 W Redwood
Cole W. H. & Sons (General, Heavy, Cutlery, Explosives, Contractors' & Electrical Supplies), 40 S Charles
Conway Wm. A., 626 Forrest
Duer Jno. & Sons (Cabinet), 36 S Charles
Duke Peterson Hardware Co. (General, Heavy, Cutlery & Fire Arms) 113 W Redwood
Edmunds W. C. & Co., 34 Charles
Galloway, James Co., 121 W Pratt
Hoos, Jno. Co., 308 S Hanover
Keidel Henry & Co. (Shelf, Heavy, etc) 405 W Redwood
Lyon Conklin & Co., Inc., 19 Balderston
MacCarthy & Harper, 345 N Calvert
Neily Joseph W. (Marine), 121 South
Norris R. W. & Sons, 342 N Gay
Payne E. Scott Co., 362 N Gay
Taylor Supply Co., 937 Fell
Whiting W. H. & Co. (Marine), 222 E Pratt
Wilcox Hdw. & Iron Co. (Gen'l), 406 N Gay
Wilcox Louis N. & Son, 414 N Gay
CUMBERLAND—Wilson & Pugh (General Mining & Mill Supplies)
FREDERICK—Hargett P. L. & Co.
Quynn Allen G. & Co.
SALISBURY—Dorman & Smyth Hardware Co.
Gunby L. W. Co. (General, Machinery, etc)

## MASSACHUSETTS.

BOSTON—Atlantic Coast Hdw. Co., 169-A.
Austin & Doten, 102 North
Bay State Hdwe. Co., 1321 Washington
Berman Samuel, 14 Portland
Bigelow & Dowse Co. (General, Heavy Builders', Machinists', Mine, Skates, Cutlery, Household, etc), 229 Franklin
Boston Marine Hdwe. Co. (Marine), 259 Atlantic av
Breck Jos. & Sons Corp'n (Implements & Poultry), 50 Franklin
Brown-Wales Co. (Heavy) C. So. Boston
Burditt & Williams Co. (General & Builders'), 95 Summer
Butts & Ordway Co. (Heavy & Carriage), 33 Purchase
Chandler & Barber Co. (Tools, Cutlery & Builder's), 124 Summer
Chandler & Farquhar Co. (Machinists & Mechanics Tools & Supplies), 36 Federal
Chase, Parker & Co. (Heavy, Carriage, etc.), 81 Pearl
Dame, Stoddard Co. (Cutlery, etc), 374 Washington
Dana Hardware Co. (General, Cutlery, Firearms, Saddlers, Cordage, etc.), 28 Pearl
Davis S. H. Co. (General & Builders'), 68 Portland
Decatur & Hopkins Co., 120 High
Dodge Haley Co. (Heavy), 218 High
Fitz Dana & Co., 110 North
Frye, Phipps Co. (General), 114 Purchase
Hardware Agency Co. (Mfrs' Agents), Builders'), 159 High
Harrison Supply Co. (Specialties), 209 Washington
Harvey Arthur C. Co. (Heavy), Harvey Steel rd. Allston dist.
*See adv index at end of book*
Herrick Co. (Heavy, Metal), 49 Broad
Morss A. S. Co., 132 Federal
Proctor, S. Eugene Co., 158 State
Richards & Co., 200 Causeway
Sanderson E. P. Co. (Heavy), Third E. Cambridge.
Waite, Ranlet & Co., 80 Broad
Wilkinson A. J. & Co. (General, Tool Steel, Tools, Sheet Brass, Rods & Wire), 184 Washington
CAMBRIDGE — Sanderson E. P. Co. (Heavy)
FALL RIVER—Congdon, Carpenter & Co. (Heavy, Carriage & Blacksmiths)
Neill J. O. Hardware Co. (Builders Only)
FITCHBURG—Fitchburg Hardware Co. (General & Heavy, Agr'l Tools, etc)
GREENFIELD—Stearns Joel M. (Builders' General, Heavy & Contractors' Supplies)
HAVERHILL—Hanscom Hardware Co. (General, Blacksmiths', etc)
HOLYOKE—Russell J. & Co. (Heavy & Builders)
LAWRENCE—Wells Hdwe. Co., Inc.
Treat Hardware & Supply Co. (Mill Supplies)
LOWELL—Bartlett & Dow Co. (General & Agricultural Tools)
Boutwell Bros. (Heavy, Carriage & Blacksmith')
Thompson Hardware Co. (Builders', Cutlery)
LYNN—Hutchinson W. Henry (Est. of) (General), 49 Monroe
MIDDLEBORO—Pierce Thos W. Hardware Co.
NATICK—Fiske Corp.
NEW BEDFORD—Butler Wm. P. & Sons (General, Tinware, Cutlery, Tool)
NORTH ADAMS—Burlingame & Darbys Co. (General & Heavy)
PALMER—Buck E. A. & Co. (General, Saddlery, etc)
PITTSFIELD—Barris-Kenyon Co. (Hardware & Mill Supplies)
Berkshire Hardware Co.
Peirson Hardware Co. (General)
SPRINGFIELD — Carlisle Hardware Co., 326 Main
Chapman & Brooks Co. (General)
Foot, Homer & Co. (General, Heavy, Carriage, etc)
Law J. Douglas Co.
Lewis Charles C. Co. (Carriage & Heavy)
TAUNTON—Pierce Hardware Co.
TURNER FALLS—Webster F. I. Co.
WESTFIELD—Bryan Hardware Co.
WORCESTER—Blake Geo. F. Jr. & Co. (Heavy, Carriage, etc)
Buck E. A. & Co. (Hardware, Oils)
Duncan & Goodell Co. (General, Cutlery, Tools, etc)
Pratt & Inman (Heavy Iron & Steel, etc)
Ross Bros. Co. (General Agricultural Tools, etc)

### MICHIGAN.

ALPENA—Young Benjamin R. Hdwe. Co.
BATTLE CREEK—Bock-Walker Co.
BAY CITY—Bay City Hardware Co.
Jennison Hardware Co. (General & Heavy)
CALUMET—Carlton Hardware Co.
**Keckonen Hardware Co.**
DETROIT—Buhl Sons Co. (Heavy, Shelf, Builders', Cutlery, Tin Plate, Metals, Iron & Steel, etc), 103 Woodbridge, W
Gregg Hardware Co., 44 Cadillac sq
Rayl T. B., Co. (General, House Furnishings, etc.), 3 Grand River av
**Roehm & Davison (Heavy & Carriage), 93 Woodbridge av**
**Standart Bros. (Ltd.) (General), 8 Jefferson**
Weber Henry C. Co. (General, Household, etc.), 230 Woodward av
ESCANABA—Delta Hardware Co. (General & Heavy)
Escanaba Hardware Co.
FLINT—Hubbard Geo. W. Hardware Co. (Heavy, etc)
GRAND RAPIDS—Foster, Stevens & Co. (General, Heavy, Sporting Goods)
Gleye Hardware Co.
Hall Sherwood Co. (Saddlery, Carriages & Auto Accessories)
**Kutsche C. H.**
Michigan Hardware Co.
Van Bree Arie Sons
HOUGHTON—Portage Lake Hardware Co. (Ltd.)
**Swift I. E. Co. (General & Heavy)**
ISHPEMING—Consolidated Fuel & Lbr. Co
JACKSON—Smith-Winchester Co. (General, Heavy, Carriage, etc)
KALAMAZOO—Edwards & Chamberlain Hardware Co. (General, Heavy & Carriage)
MANISTEE—Vincent-Wolters Co.
MARQUETTE—Manhard M. R. & Son, Ltd. (General & Heavy)
Neidhart B. & Co.
MENOMINEE—Northern Hardware & Supply Co. (General, Heavy, Tools, etc)
MONROE—Steiner's Wm. Sons (General, **Heavy, etc)**
MUSKEGON—Towner Hdwe. Co.
PETOSKEY—Bremmeyer & Bain Co.
Northern Hardware Co. (General)
PORT HURON—Beard, Campbell & Co. (General, Heavy, Carriage, etc)
**Boyce Hardware Co. (General, Heavy,** Tinware, etc)
**SAGINAW—Morley Bros. (General, Heavy,** Saddlery, Carriage, etc)
**Popp & Wolf Hardware Co. (Wall** Paper)
**Saginaw Hardware Co. (General, Heavy, etc)**
**SAULT SAINTE MARIE—Soo Hardware Co. (General & Heavy)**

### MINNESOTA.

DULUTH—Kelley How Thomson Co.
Kelley-How-Thomson Co. (General, Heavy, etc)
Marshall-Wells Co., (All Lines in Steel & Iron)
National Hardware & Supply Co.
Northern Hardware Co.
MINNEAPOLIS—Butler Bros., 6th & 1st av N
**Derickson G. P. Co. (Cabinet), 18 N 3d**
Gardner Hardware Co., 304 Henn av
**Gopher Hardware Co., 212-214 N 1st**
Hall Hardware Co., 517 N 3d
**Hudson Mfg. Co. (Thresher Supplies), 324 3d av N**
Janney, Semple, Hill & Co. (General, Cutlery, Shelf & Heavy, Plumbers', Tinware, Sheet Metal, Firearms, **Cordage, Rope, etc), 1st av & Second**
Minneapolis Iron Store Co. (**Heavy,** Blacksmiths', Wagonmakers' & Machinists' Tools & Supplies), 512 Washington av, N
**Morison W. K. & Co., 15 S 7th**
Simmons Hardware Co. (General, **Farming Tools, etc), 4th & 2d av N**
Warner Hardware Co., 13 S 6th
Williams Hardware Co. (**Heavy,** Wagonmakers' & Blacksmiths' **Supplies), 100 Second av N**
ST. PAUL—Decker Adam Hardware Co. (General, Tinners' Supplies, Cut**lery, etc), 347 Jackson**
Farwell, Ozmun, Kirk & Co. (General, Tinners' Tools & Supplies, Butchers' Tools & Supplies, Builders' Household, Saddlery, etc.)
Hackett-Gates Hurty Co. (General, Builders' Tools, Tinners' Stock, Cutlery, Shelf, Wagon & Saddlery, **etc), Fourth & Rosabel**
Nicols, Dean & Gregg (Heavy, Iron, Steel, Lumbermen's Supplies, etc.), 8th & Sibley
Robinson, Cary & Sands Co., 4th & Wasonta
**STILLWATER—Stillwater Hardware Co.**
WINONA—Cone R. D. Co. (General)
Morrison-Miller Hdwe. Co.
Morrison-Risser Hdwe. Co.

### MISSISSIPPI.

ABERDEEN—Lann & Carter Hardware Co. (General)
COLUMBUS—Columbus Hardware & Furniture Co.
**GREENVILLE—Geise Mann Hardware Co.**
GREENWOOD—Henderson & Baird Hardware Co. (General & Heavy)
HATTIESBURG—Hawkins Hardware Co.
**JACKSON—Addikson & Bauer**
**McCleland Thos. Hardware Co.**
MERIDIAN—Melton Hardware Co. (General, Cutlery, etc)
NATCHEZ—Baker & McDowell Hardware Co. (General, Agrl. Implts., Crockery, etc)
**Feitus Bros.**
Schwartz & Stewart (General Agrl. Implts., etc)
VICKSBURG—Richardson-Lee & Co. (General, Tinware, etc.)
Wright Bros. Hardware Co. (General)
YAZOO CITY—Crane-Hamel Hardware Co. (General)
Yazoo Hardware Co. (General & Heavy)

### MISSOURI.

DEXTER—Miller-Ullen & Carter Hardware Co.
**JOPLIN—Halyard Hardware Co.**
**Joplin Hardware Co.**
KANSAS CITY—Bonniwell-Calvin Iron **Co. (Carriage & Wagon Materials,** Iron & Steel, etc.), 1205 W 10th
Bunting Hardware Co. (Builders'), 810 **Walnut**
Brunner H. J. Hdwe. & **Machine Supply Co., 1306 Grand av**
**Curtin & Clark Hardware Co.**
**Faeth Iron Co. (Carriage & Wagon** Materials, Iron & Steel), 1125 W **8th**
Haysler Iron Co. (Iron & Steel & Heavy Hardware), 1206 Union av
Pierce Co. (Silo Roofs, etc), **Waldheim bldg**
Richards & Conover Hardware Co. (General, Heavy & Sporting Goods, etc.), 5th N W cor. Wyandotte
Townley Metal & Hardware Co. (General, Builders', etc.), 2d, S W cor. Walnut
Wengert Hardware Co., 1221 Grand av
NEOSHA—Briggs Hardware Co. (General & Heavy)
ST. JOSEPH—Robinson Heavy Hardware Co. (Heavy & Carriage)
Ross Frazer Iron Co. (Heavy, Carriage & Wagon Material, etc)
Wyeth Hardware & Mfg. Co. (General, Heavy & Saddlers', Sporting Goods, Cutlery, etc)
ST. LOUIS—Beck & Corbitt Iron Co. (Heavy Carriage, Wagons, etc.), 1230 N Main
Campbell Iron Co. (Heavy), Cass av, bet 8th & 9th
Geller, Ward & Hasner Hardware Co. **(General, Tinware, etc.), 414 N 4th**
Handlan-Buck Mfg. Co. (Foundry, Machine Shop, etc.), 210 N 3d
Rubelman G. A. Hardware Co. (General), **907 N 6th**
Rubelmann-Lucas Hardware Co. (Cabinet, Heavy, Carriage & Wagon Material), 1939 N B'way
**St. Louis Iron Store Co. (Heavy, Carriage & Wagon Materials), 700 Cass av**
**Schroeter Bros. Hardware Co. (Builders'), 717 Wash. av**
Shapleigh Hardware Co. (General Cutlery, Household, Sporting Goods, Carriage & Wagon Materials, etc), 4th & Washington av
Simmons Hardware Co. (General, Builders', Farming Tools, Cutlery, Household, Toys, Stoves & Ranges, Tinners' Tools & Supplies, Metal Roofing, Paint, Oils, Automobile Supplies, etc.), 9th & Spruce
Sligo Iron Store Co. (Iron & Steel, Carriage, Wagon, etc), 6th & O'Fallon
Standard Stamping Co. (Sheet Metal Goods), B'way & Chambers
Witte Hardware Co., 706 N 3d
SPRINGFIELD—McGregor-Noe Hardware Co. (General, Builders', Heavy Carriage & Wagon Material, Sporting Goods & Implements)
Rogers & Baldwin Hardware Co (General Builders', Heavy, Carriage & Wagon Material, Sporting Goods, Implements, etc)
WEBB CITY—Franz Hardware Co. (General)

### MONTANA.

ANACONDA—Anaconda Copper Mining Co. (General, Heavy & Mining)
**Stagg J. P.**
Coy, H. G. Hardware & Implement Co. (& Harness)
BILLINGS—Billings Hardware Co. (General & Heavy)
BUTTE—Anaconda Copper Mining Co.
**Montana Hardware Co. (General,** Heavy & Mining)
GREAT FALLS—Murphy-McClay Hardware Co. (General, Heavy, Carriage, etc)
Northern Hardware Co.
HELENA—Helena Hardware Co. (General)
Holter A. M. Hardware Co (General, Heavy, Mining, etc)
KALISPELL—Kalispell Mercantile Co.
**LEWISTOWN—Montana Hardware Co.**
MISSOULA—Missoula Mercantile Co. (General)

### NEBRASKA.

ALLIANCE — Newberry Hardware Co (Implements & Harness)
GRAND ISLAND—McAllister R. H. Co.
**HASTINGS—Lawson C. K. Hardware Co.**
**McGrath J. H. Hardware Co.**
LAUREL—Johnson, Evers & Co.
LINCOLN—Henkle & Joyce Hardware Co. (General)
OMAHA—Lee-Colt Andreesen Hardware Co. (Builders', Shelf & General)
**Morton Jas. & Son Co. (Packing House** Ice Tools & Builders', Shelf Hardware, etc)
**Paxton & Gallagher Co. (General,** Builders', Shelf, Harness, Sporting Goods, etc)
**Wright & Wilhelmy Co. (General,** Builders', Shelf, Harness, Sporting Goods, etc)

### NEW HAMPSHIRE.

CONCORD—Thompson & Hoague Co. (General, Heavy, Carriage, etc)
DOVER—Seavey, J. Herbert.
MANCHESTER — Manchester Hardware Co. (General & Heavy)
Varick John B. Co. (General, Heavy, Carriage, etc)
NASHUA—Ambrose Thomas B.

### NEW JERSEY.

ATLANTIC CITY—Chelsea Hdwe. Co.
Currie Co.
DOVER—Berry S. H. Hardware Co.
ELIZABETH—Elizabeth Hardware Co. (General)
JERSEY CITY—Gibbons Ernst A. Co (Heavy) 27 Montgomery
MORRISTOWN—Phillips A. G. & Son
NEWARK—American Marine Supply Co. (Marine), 260 Market
Banister & Pollard Co., 206 Market
Birkenmeier & Kuhn Co., 529 Clinton av
Crane & Milligan 54 Mechanic
Factory Supply & Hardware Co., 47 Mechanic
Foster Bros., 293 Market
Ironbound Hardware & Supply House, 228 Ferry

NEW JERSEY—Newark—continued
Jones & Auerbacher, Inc., 24 Mechanic
Ludlow & Squier, 97 Market
**Macknet & Doremus (General, Heavy,** etc.), 796 Broad
Muller A. F. & Co., 258 Springfield av
Rising & Thorne, 475 Broad
**ROE & CONOVER** (General, Heavy, Plumbers', Steamfitters' Tools), 206 Frelinghuysen av
*See adv index at end of book*
Stulz-Sickles Co., 121 Lafayette (Contractors)
NEW BRUNSWICK—Weigel Philip, Jr.
PASSAIC—New Jersey Engineering & Supply Co.
Strong Hardware Co.
PATERSON—Cleveland J. W. Hardware Co. (General, Builders' & Grocers' Supplies), 81 Broadway
Doremus John T. Co. (General & Blacksmiths & Wheelwrights' Supplies), 66 Washington
Mills H. W. & Co. (Mill Supplies), 59 Washington
Myers Geo. A. & Co. (Builders', Mill, Factory & Plumbers' Supplies), 63 Washington
Van Winkle J. A. Co. (General & Heavy), 168 Main
TRENTON—Cramer & Allen, Broad & Center
Katzenbach F. S. & Co.
Shick, Charles & Co. (Heavy)

## NEW MEXICO.

ALBUQUERQUE—Korber J. & Co. (Vehicles, Harness, Hdwe. & Implts.)
Whitney Hardware Co.
RATON—Hobbs Hardware Co.
ROSWELL—Roswell Hardware Co.
SILVER CITY—Cox W. S.

## NEW YORK.

ALBANY—Albany Hardware & Iron Co. (General, Heavy, etc)
**Turner Chas. H.**
Woodward Co. (Carriage, Wagon, Saddlery, etc)
ALBION—Waterman Store
AMSTERDAM—Larrabee John E. Co. (General & Heavy)
AUBURN—Herron P. M. Hdwe. Co., 34 Genesee
BATH—Peck Geo. W. Co.
NEW YORK—continued
BINGHAMTON—Babcock, Hinds & Underwood (General & Heavy)
Crocker & Ogden Co. (General, Heavy, Carriage, etc)
**Kingsley L. J. Co.**
BUFFALO — Beals, McCarthy & Rogers (General, Heavy, Carriagemakers' Mill & Factory Supplies, Iron & Steel, etc.), 44 Terrace
Bergman W. Hardware Co., 44 Genesee
Buffalo Wholesale Hardware Co. (General & Heavy), 317 Washington
Capewell Horse Nail Co., 11 Ellicott sq.
Enos & Sanderson, 145 Bushnell
Neal Co. (The) (Small Tools, Drills, Tops, Dies, etc), 76 Pearl
Republic Metalware Co.
Taylor H. D. Co. (Heavy & Carriage, Trimmings), 103 Oak
Walbridge & Co. (General & Household Heavy, Builders', etc.), 392 Main
Weed & Co. (General, Heavy, Cutlery, Tools, Railway & Shop Supplies, Silverware etc), 95 Swan
CANANDAIGUA—Peck Hardware Co.
COHOCTON—Peck & Peck Hardware Co.
ELLENVILLE—Du Bois L. & Co.
ELMIRA—Barker, Rose & Clinton Co. (General & Heavy)
Booth Irving D., Inc. (Heavy)
Gridley-Fuhrman Martin Co.
Peck Geo. W. Co.
GLENS FALLS—De Long & Son
**Sawyer J. E. & Co.**
GLOVERSVILLE—Batcheller E. S. & Co.
Durkee E. L. & Co.
HORNELL—Peck Frank B. Co. (General)
HUDSON—Rogerson J. C. & Co.
ITHACA—Driscoll Bros. & Co. (Builders' Hardware)
Rumsey C. J. & Co.
Treman, King & Co. (General)
JAMESTOWN—Clark Hardware Co. (General Mill Supplies)
Jamestown Hdwe. Co. (Builders' & Shelf)
Lundquist C. A. & Co.

KINGSTON—Hasbrouck Conrad E.
Johnson J. T. (General & Heavy)
Winne L. S. & Co. (General, Blacksmiths', etc)
LITTLE FALLS—Skinner & Oyston
LOCKPORT—Chadwick & Morris
MALONE—Malone Hardware Co.
Thompson H. D. & Co. (Heavy, Saddlery, etc)
NEWBURGH—Holland Hardware Co.
Lawson Hardware Co.

## NEW YORK CITY.

### Borough of Brooklyn

BROOKLYN—Brooklyn Electrical Supply Co., 56 Myrtle av.
Kasper & Koetzle Hdwe. Co., Inc., 565 Bushwick
Kiley Thos. W. & Co., 57 Grand
Universal Hardware & Supply Co., 79 Greenpoint av

### Borough of Queens.

LONG ISLAND CITY—Long Island Hardware Co.

### Boroughs of Manhattan and Bronx.

NEW YORK—Alder Benj. S. Co. (Mfrs.' Agents & Exporters), 45 Warren
**AMERICAN STANDARD SHIPFITTINGS CORP.** (Light & Heavy Ships), 115 Broadway
Barron Jas. S. & Co. (Woodenware, Skates, etc) (Exporters), 221 W B'way
Baynon C. A. Co. (Jobbers & Commission) (General & Heavy), 91 Reade
**BETTES & EBSEN** (Tools), 152 Chambers. *See adv index at end of book*
Biddle Purchasing Co. (Purchasing Agents & Commission Buyers), 105 Chambers
Blumberg W L. & Co., 31 Warren
Boker Cutlery & Hdwe. Co., Inc. (Importers of Hardware, Cutlery, etc.), 101 Duane
Brady F. A., Inc. (Specialties), 30 Church
Braunfels, Browning & Co., 1940 Park av
Brombacher A. F. & Co., 31 Fulton
Burger & Baumgard (Cutlery, etc) (Jobbers & Exporters), 88 White
Burroughs-Baldwin Co., 87 Warren
Butler Bros., 495 B'way
Carter R. K. & Co. (Purchasing Agents & Commission Buyers), 66 Reade
Cavanagh Bros. & Co. (Woodenware & House Furnishings), 89 Warren
Church St. Machinery & Engineering Corp. (Exp.), 30 Church
Curley J. & Bro. (Importers & Jobbers of Cutlery), 87 Duane
Droescher S. R. (Importer of Razor Hones, Cutlery & Hardware Specialties), 79 Warren
Dunham, Carrigan & Hayden Co. (General, Heavy, Railway, Steamship, Brass Goods, etc), 127 Duane
Duryee Peter & Co. (Jobbers & Retailers of General Hardware), 66 Vesey
Empire Hdwe. Co. (Stove Specialties), 274 W B'way
Field Alfred & Co. (Importers & Exporters) (Cutlery, Guns, Anvils, Chains, etc), 93 Chambers
Folsom H. & D. Arms Co., 314 B'way
Fox Wm. B. & Bro. (Importers & Exporters, Purchasing Agents & Commission Buyers), 21 Warren
Frank Henry Jr., 374 Hudson
French H. P. Co. Inc., 320 B'way
Gerstner A. W. Co., 634 8th av
Gifford Jno. A. & Son (Exporters & Importers of Carriage Hardware & Supplies), 25 Park pl
Goepel C. F. & Co., 137 E 13th
Goldberg Chas. H. & E. S. (Importers & Exporters) (Woodenware, Cordage, etc), 114 Reade
Goldenblum Wm. & Co., 17 Murray
Graef & Schmidt (Importers & Exporters of Cutlery), 107 Chambers
Graham Jno. H. & Co. (Mfrs. & Mfrs'. Agents & Exporters of Hardware, Tools & Specialties), 113 Chambers
Grant Pulley & Hardware Co., 101 Park av., New York.
Green G. S. Co. (Heavy), 74 Warren
Grob-Gamsby Hdwe. Co., Inc., 100 Maiden la
Hamilton Hdwe. Co., 74 Cortlandt
Hammacher, Schlemmer & Co. (Cabinet, etc), 133 4th av.
Hansen & Yorke Co (Heavy), 88 Warren
Hardware House of Am. Inc., 78 Warren
Harmon & Dixon (Mfrs.' Agents) Hardware & Specialties), 117 Chambers
Harris Delancey P. Hardware Co. (Mfrs.' Agent & Commission Merchant, Domestic & Export), 24 Murray
Harry L. C. Co. (Heavy & Ship), 114 Liberty
Hendricks & Class (Mfrs.' Agents (Heavy & Marine, Tools, Ship Chandlery, Railway & Dock Builders' Supplies, etc), 30 Church
Jacobus Wm. H. (Mfrs.' Agent) (Builders & General, Specialties), 79 Walker
Jennings C. E. & Co. (Mfrs. & Mfrs'. gents, Mechanics' Tools & Specialties), 71 Murray
Kleine Wm. E. & Co. (Wagon & Carriage Materials), 120 W B'way
Larkin J. K. & Co. (Jobbers, Nails, etc) 34 Reade
*See adv index at end of book*
Lilien & Charyn, 430 W B'way
Lockwood Co. (Builders & Shelf Hardware), 16 Reade
McCarty J. C. & Co. (Mfrs.' Agents) (General & Blacksmiths', Machinists & Garden Tools, etc), 29 Murray
McCoy Jos. F. Co. (Mfrs.' Agents, Importers & Exporters of Heavy Hardware, Cutlery, Tools, etc), 157 Chambers
Manick Hdwe. Co., 160 Lafayette
Markt & Hammacher Co. (Importers & Jobbers, House Furnishing Goods & Hardware Specialties), 194 West
Masbach Hardware Co. (General, etc), 84 Warren
Mead John J. Co. (Marine & Heavy), 75 Barclay *See adv index at end of book*

**Heavy and Marine HARDWARE**

BOLTS, SPIKES, RIVETS CHAINS, TOOLS AND SUPPLIES

**John J. Mead Company**
75 Barclay St., New York

Montgomery & Co. (Tools & Supplies for Machinists, Railroads, Mills, Contractors, etc), 105 Fulton
Mooney Douglas & Pearson, 193 Greenwich
Murray Robert (Screws, Shovels, Hoes, etc), 85 Warren
National Hardware Stores, Inc. (Chain retail stores), 309 Broadway
National Farm Equipment Co. (Farm & Garden Supplies), 98 Chambers
Neal B. B. Hardware Co., 117 Leonard
Neal & Brinker Co. (General, etc), 81 White
Oliver Bros. (Syndicate Purchasing Agents) (General & Heavy, Plumbers' Supplies, etc), 71 Murray
Paragon Electric Co., 329 E 5th
Patterson Bros., 27 Park row
Patterson, Gottfried & Hunter (Machinists', Railroad, Mill & Contractors' Tools & Supplies), 211 Center
Patterson & Harral (Cutlery, House Furnishing, etc), 88 White

Peck & Mack Co. (Importers & Exporters & Manufacturers' Agents) (General), 356 B'way
Phillips Isaac B. (Horseshoers' Supplies), 225 E 125th
Pruden W. E. Hardware Co., 258 W 52nd
Rouss C. B., 549 Broadway
Sargent & Co., 94 Centre
Schaper Construction Material Co., 90 West.
Shepard Edw. G. (Mfrs.' Agents) (Builders' & General), 102 Chambers
Sickels-Loden Co., 56 Murray
Simmons Hardware Co. (Buying Office for St. Louis, Mo.), 17 Battery pl
Smith Chas. J. & Co. (Tools, etc), 130 Worth
**SMITH & HEMENWAY CO.** (Mfrs. & Importers Hardware Specialties), 261 H B'way; also 130 H Colt, Irvington, N. J.
*See adv index at end of book*
Smith & McCrorken, Inc. (Nails), 411 E 18th, New York
Sperry & Alexander Co., 79 Chambers
Striffler Edward C. (Carriage & Wagonmakers' Supplies), 591 11th av.
Surpless, Dunn & Co. (Mfrs.' Agents & Exporters) (Heavy, Tools, Handles & Specialties), 74 Murray
Tiebout W. & J. (Mfrs. & Dealers) (Brass Galvanized, Ship Chandlery), 118 Chambers
Topping Bros. (Importers, Exporters, Mfrs.' Agents & Commission) (Heavy & Marine), 122 Chambers
Track Specialties Co. (Railroad), 29 B'way
Tucker Tool & Machine Co., 75 Murray
Underhill, Clinch & Co. (Jobbers) (Builders' Tools, Shovels, Lawn Mowers, etc), 84 White
Voigt, Starr & Co. (Cutlery, Plated Ware, Revolvers, Tools, Vises, Clamps, etc), 58 Warren
Vom Cleff & Co. (Importers German Hardware, Cutlery & Tools), 105 Duane
Von Thaden & Meyer (General), 73 Murray
Walls T. P. Tool & Supply Co., 75 Walker
Washington Hardware Co. Inc. (Heavy), 257 Greenwich
Weiland Chas. (Cutlery, Mechanics' Tools, etc), 149 Chambers
Wiebusch & Hilger (Ltd.) (Importers & Mfrs.' Agents, Hardware Specialties, Anvils, Chains, Cutlery, etc), 106 Lafayette
Wilson W. S. Corp., 155 Chambers
Witte Francis T. Hardware Co. (Importers, Exporters & Mfrs.' Agents) (Hardw., Cutlery, Tools, Refrigerators, etc), 106 Chambers
Worth H. P. Co., 180 West

**(End of New York City)**

NIAGARA FALLS — Elderfield-Hartshorn Hardware Co.
NORTH TONAWANDA—Cramer Hardware Co., Inc.
OGDENSBURG—Hackett Patrick Hardware Co. (General & Iron & Steel)
OLEAN—Miller Hdwe. Co.
ONEIDA—Eells & Mott Co. (Carriage Hardware & Iron & Steel)
Ruby Geo. H. Hardware Co. (& Retail)
PENN YAN—Hollowell & Wise Co.
Peck Geo. W. Co.
PLATTSBURGH—Marshall A. H. Co. (General & Builders')
Myers M. P. & Co. (General)
ROCHESTER—Bennett & Mason Co. (Stoves, Furnaces & Household Specialties), 154 State
Ernst Louis & Sons (General, Builders, Tools, etc), 43 South av
Hebing Henry & Sons (Heavy, Iron), 107 North
Mathews & Boucher (General, Tools, Tinners', etc), 26 Exchange
Weed & Co., 15 Exchange
ROME—Wardwell Hardware Co. (General, Heavy, Carriage)
SAUGERTIES—Lamb's Daniel Son
SCHENECTADY—Witbeck, Clark Co. (General & Heavy)
SYRACUSE—Burhans & Black (Inc.) (General, Heavy, Fishing Tackle, Sporting Goods, etc)
Clancy Hardware Co. (Heavy, Carriage, Blacksmiths', Paints, etc)
Drennan Hardware Co.
Eddy Geo. W. Co.
Grant's Alex. & Son
Hessler H. E. Co. (General & Household)
TROY—Bonesteel A. E. & Co. (General)
Green's Hannibal Son & Co. (Heavy, etc) (Importers Norway & Swedish Iron)
Warren J. M. & Co. (Heavy, Shelf, Tinners', Metals, Cordage, etc)
UTICA—Foster David S. Sons & Co. (General, Heavy & Carriage)
Millar Chas. & Son Co. (Tinners' Supplies)
Roberts Hardware Co. (General, Heavy, Tinware, etc)
WATERTOWN—Conde W. W. Hardware Co. (General, Heavy, Carriage)
Hunting Co.
Weeks John & Son Co.
WEEDSPORT—Burritt O. W. & Bro.
WELLSVILLE—Boyce Hardware Co.

## NORTH CAROLINA.

ASHEVILLE — Brown Hdwe. Co. (Tools, Cutlery & Builders' Supplies)
CHARLOTTE — American Hardware & Equipment Co.
Charlotte Hardware Co. (General & Heavy)
Smith-Wadsworth Hardware Co.
Southern Hardware Co. (General)
ELIZABETH CITY—Jones D. M. Co. (General & Heavy)
Sharber & White Hardware Co.
GREENSBORO—Greensboro Hardware Co.
Odell Hardware Co. (General, Carriage, etc)
(General, Carriage, etc)
HERTFORD—Hertford Hardware & Sup. Co.
HIGH PT.—Beeson Hardware Co.
MONROE—Monroe Hardware Co.
NEWBERN—Basnight J. S. Hdwe. Co.
Cutler Blades & Hardware Co.
RALEIGH—Briggs Thos. H. & Sons (General, Heavy, etc)
Hart-Ward Hardware Co. (General & Heavy)
ROCKINGHAM—Everett Hardware Co.
THOMASVILLE—Crutchfield Hdwe. Co.
WADESBORO—Blalock-Allen Hardware Co. (General)
WASHINGTON—Harris Hardware Co.
McKeel-Richardson Hardware Co.
WILMINGTON—Jacobi N. Hardware Co. (General, Heavy, etc.)
Murchison J. W. & Co. (General, Tin, etc)
Springer W. E. & Co. (General, Heavy, Carriage, etc.)
WINSTON-SALEM — Brown-Rogers Co. (General, Agrl. Implts., etc)
Dalton Bros.
Norfleet Hardware Co.
Wall-Huske Co.

## NORTH DAKOTA.

GRAND FORKS—Barnes & Nuss Co. (Also Retail)
HATTON—Ness Lumber Co. (Builders')

## OHIO.

AKRON—Hardware & Supply Co. (General also Automobile & Electrical Supplies), 21-29 W Market
Mill & Mine Supply Co.
ASHTABULA—Mitchell Hardware Co. (Builders')
BRYAN—Bryan Hardware Co.
CANTON—Canton Hardware Co. (General, Factory Supplies, Glass, Paints, etc)
Crawford & Deal
Kennedy W. A. Hardware Co.
CHILLICOTHE—Chillicothe Hardware Co.
Spetnagle Hardware Co. (General & Heavy)
CINCINNATI—Boebinger Hardware Co. (General, Cutlery, Tools, Patternmakers' Supplies, etc), 315 E Pearl
Carpenter D. L. & Co. (Carriage & Wagonmakers' Hardware & Supplies), 652 Main
Elsmere Hdwe. Co., Lexington Pike, Erlanger
Kruse Hardware Co. (General, Cutlery, etc), 518 Baymiller
Kruse & Bohlmann Hardware Co., Pioneer
Kuhlmann Hardware Co. (General, Builders', Cabinet, Tools, etc), 1320 Main
Morris E. K. & Co. (Heavy), 317 W 2d
National Hardware Co., 327 W 4th
Pickering Hardware Co. (General), 5th c Main
Schulte G. B. Sons Co. (Wagonmakers' & Blacksmiths' Hardware & Supplies), 716 Main
CLEVELAND—Acme Nail & Sup. Co., 422 Frankfort av
Bingham W. Co. (Heavy Shelf, Cutlery, Firearms, Mfrs.', Mining, Railway Supplies, etc), 1278 W 9th
Cray Bros., 1111 W 11th
Davis, Hunt & Collister Co., 2056 Ontario
Luekemeyer Co. (General, Heavy Lines, Mfrs. & Mill Supplies, etc.), 725 Superior av, N W
Morton-Pettitt Co., 3951 St. Clair
Worthington Geo. Co. (Heavy, Metals, Tinners', Carriage & Saddlery, Automobile & Electrical Supplies, 802-832 St. Clair av, N W
COLUMBUS—Cussins Charles D. Co., 170 N 3d
Cussins & Fearn Co., 48 W Spring
Griswold-Sohl Co. (Carriage & Heavy), 79 N Front
Mithoff H. & Co. (Heavy, Tin Plate, Tinners' Stock, Tools, etc), 284 S High
Schoedinger-Marr Co., 102 N High
Smith Bros. Hardware Co. (General, Cutlery, Paints, etc), 38 W Chestnut
COSHOCTON—Gray Hardware Co.
Ricketts B. W.
DAYTON—Dayton Iron & Steel Co. (Iron, Steel, Carriage & Heavy)
Gebhart S. T. & G. A. Co. (General, Carriagemakers' & Blacksmiths' Supplies)
Kramer-Hadeler & Co. (General, Shelf & Builders)
Tischer G. W. Co. (General, Cutlery, Nails, etc)
Trimbach Geo.
FREMONT—Swint, Reineck & Co. (General & Heavy)
GALLIPOLIS—Kerr J. M. Co.
HUDSON—Pillar Hardware Co.
IRONTON—Goldcamp Bros. & Co.
JACKSON—Ervin Bros. Co.
LANCASTER—Winter Frank Hardware Co. (General, Heavy & Carriage)
LIMA—Jones Hardware Co.
LORAIN—Lorain Hardware Co.
MANSFIELD—Martin Hardware Co.
Wagner Hardware Co. (General & Heavy & Automobile Supplies)
MARIETTA—Seyler Hardware Co.
Union Hardware Co.
MARION—Haberman Hardware Co.
NEWARK—Crane, Kreig Hardware Co.
Jones J. C. Co.
PORTSMOUTH—Hibbs Hdw. Co. (General)
SANDUSKY—Donahue Hardware Co.
SPRINGFIELD—Haucke Geo. Co.
Lion Hardware Co.
Springfield Hardware Co. (General)
Vulcan Hardware Co.
STEUBENVILLE—M. & M. Hardware Co.
Steubenville Hardware & Supply Co.
TIFFIN—Crobaugh & Dahm Hardware Co. (General)
TOLEDO—Bostwick-Braun Co. (General & Heavy)
Heavy Hardware Co. (Carriage, etc.)
Merrell Co.
Schunk Hardware Co. (General & Paints)
Simmons Hardware Co.
Star Hardware & Supply Co. (Builders', Cabinet, Tools, Cutlery, Glass, Paints, etc)
Stollberg Hardware & Paint Co. (General, Tools, Cutlery, Glass, Paints, etc)
TROY—Schaible, Houser & Mowry
URBANA—Cooper Otway Co. (General, Saddler, etc)
WARREN—Park Hardware Co.
Warren Hardware Co.
WASHINGTON—Ford Hardware Co.
WELLINGTON—Dougherty Bros. Hardware Co.
YOUNGSTOWN—Stambaugh Thompson Co. (General, Heavy, Plumbers', etc)
Wilkins-Leonard Hardware Co. (General, Household, Mill Supplies, etc.)
ZANESVILLE—Clossman Hardware Co.

## OKLAHOMA.

CHICKASHA—Gilkey Jarboe Hardware Co.
CLINTON—Welch Wholesale Hardware Co.
EL RENO—Bonebrake Hardware & Implement Co.
ENID—Champlin Hardware Co.
Gensman Bros. & Co.
GUTHRIE—Hirschi E. L. (General & Heavy)
KINGFISHER—Hockaday E. & Co.
McALESTER—Russell Hardware Co.
MUSKOGEE—Hooker Hardware Co.
Lantz ,W. R.) Mfg. & Supply Co. (Heavy)
Muskogee Hardware Co.
OKLAHOMA—Oklahoma City Hardware Co. (General, Heavy, etc)
Pettee W. J. & Co. (General, Agr'l Implements)
Richards & Conover Hardware Co.

## OREGON.

BAKER—Basche-Sage Hardware Co.
MEDFORD—Garnett Bros.
PORTLAND—Dayton Hardware & Mchy. Co. (General, Electrical, Upholsterers', etc), 194 1st
Failing, McCalman Co. (General & Metals), 88 Front
Haseltine J. E. & Co. (Carriage, Heavy, etc), 43 2nd
Hexter & Co. (Tinware & Crockery, Stoves, etc), 480 Hoyt
Honeyman Hardware Co. (General, Heavy, etc), 9th & Hoyt
Marshall Wells Hardware Co. (General, Heavy, etc), 15th & Lovejoy
May Hardware Co., 124 Front
Northwestern Hdwe. & Steel Co., 48 N 14th
Robertson Hardware & Steel Co. (Blacksmiths', Wagonmakers', etc) 30 2nd

## PENNSYLVANIA.

ALLENTOWN—Berger, Glose Co.
Ebbecke M. C. Hardware Co.
Hersh F. Hardware Co. (General, Heavy, Builders', Carriage, etc)
Schelly C. Y. & Bro. (General, Builders', etc)
Young M. S. & Co. (General, Builders', Blacksmiths', etc)
ALTOONA—Goodfellow's W. H. Sons (General Agr'l Impl'ts, etc)
Standard Supply & Equipment Co. (Tools, etc)
ASHLAND—Buck Peter E. & Sons (General, Heavy, Carriage, etc)
BELLEFONTE—Potter-Hoy Hardware Co. (General, Heavy, Carriage, etc)
BETHLEHEM—Krause J. S. Hardware Co.
BRADFORD—Emery Hardware Co. (General, Heavy, etc)
BROOKVILLE—Fetzer Bros. (Harness, Implts. & Buggies)
BUTLER—Campbell J. G. & W.
CHESTER—Galey Hardware Co.
Railey Benj. F.
CHICORA—Hays E. F. & Sons
Hock Bros.
CLARION—Magee Jno. A. Co.
CLEARFIELD—Clearfield Hardware Co.
COATESVILLE—Pownall Hardware Co.
CONNELLSVILLE—Frisbee Hardware Co.
CORRY—Barlow Hardware Co. (General, Heavy, Blacksmiths' etc.)
DALTON—Dalton Supply Co. (Heavy)
DANVILLE—Welliver W. W. (General, Heavy, etc)
DUBOIS—Hibner-Hoover Hardware Co. (General, Builders', etc)
Prothero, Bailey & Goodwin
EASTON—Losey & Co. (Blacksmith' & Carriage)
Miller T. T. Hardware Co. (General, Heavy, etc)
Osterstock, J. S. & Co.
EMLENTON—Mitchell H. B. & Co.
ERIE—Erie Hardware Co.
Schneider Hardware Co.
Weller H. P. Supply Co. (Heavy)
GREENVILLE—Packard Hardware Co. (General, Heavy, etc)
HANOVER—Shirk Samuel & Son (General, Heavy, Carriage, etc)
Tanger J. C. Co.
HARRISBURG—Gable H. A.
Gilbert H & Son (General & Heavy)
Harrisburg Hardware Co.
HAZLETON—Barber J. F. & Co. (Tin, Woodenware, Stoves, etc)
Fisher, Richards & Todd (Heavy)
Hazleton Hardware Co.
Hazleton Machinery & Supply Co. (Heavy, Mine & Mill)
Woodring Jeremiah & Co. (Mine, Mill & Elect. Supplies)
HUNTINGDON—Miller C. H. Hardware Co. (General, Pipe, etc)
Wagner Bros. Hardware Co. (Electrical Supplies)
INDIANA—Stewart Jas. M. & Co.
JOHNSTOWN—Swank Hardware Co. (General, Builder's Carriage, etc)
KINGSTON—Roat A. J. Supply Co. (General, Heavy, Carriage, etc)
LANCASTER—Herr & Co. (General)
Pontz A. F. & Co.
Reilly Bros & Raub (General)
Steinman Hardware Co. (General, Heavy, Carriage, etc)
LEBANON—Krause Geo. Hardware Co. (General, Heavy, etc)
LEHIGHTON—Sendel & Rouse
LEWISBURG—Driesbach's C. Sons (General, Saddlery, etc)
McKEESPORT—Hartman Hardware Co.
MAHAFFEY—Wrigley Co.
MAHANOY CITY—Heiser H. J. & Co.
MECHANICSBURG—Hauck Bros.
MEYERSDALE—Cover Peter J. & Son
Shipley Hardware Co.
MILTON—Buoy Jno. Y. Co. (General)
MOUNT CARMEL—Wardrop John
MOUNT PLEASANT—Stevenson J. A. & Co.
NEW CASTLE—Kirk-Hutton & Co.
Smith C. Ed. Hardware Co.
NORRISTOWN—Quillman Benj. Hardware Co.
PATTON—Central H'dware & Supply Co.
PHILADELPHIA—Allen W. H. & G. W. (General, Builders', Cutlery, etc), 113 Market
Cusack Hdwe. Co., 1004 Arch
Equipment Mfg. & Supply Co., 26 N 5th
Field's Chas. J. Sons (General, Cutlery, etc), 633 Market
Ghriskey's Chas. M. Sons (General, Mechanics' Tools & Specialties), 508 Commerce
Hessenbruch Herman Co. (Importers & Jobbers German Hardware), 8 N 5th
Newlin-Knight Hardware Co. (General, Cutlery, Railway Supplies, etc), 411 Commerce
Noblit Bros. & Co. (Cabinet), 222 S 2d
Rogers & Miller (General), 135 Market
Sanson & Rowland, 505 Commerce
Sees & Faber Co. (Automobile & Electric Supplies), 2008 N Front
Seltzer-Klahr Hardware Co. (Cutlery, Guns & Ammunition), 535 Market
Shannon J. B. Hardware Co.,, 816 Chestnut
Shannon J. J. & Co., 1744 Market
Shields & Bro. (General, Heavy, etc), 521 Market
Simmons Hardware Co., 421 Arch
Soeffling Adolph & Co., 833 Arch
Standard Supply & Equip. Co., 134 N 13th
Supplee-Biddle Hardware Co. (Shelf, Heavy, Cutlery, Lawn Mowers, etc), 520 Commerce
PHOENIXVILLE — Benjamin Hardware Co.
PITTSBURGH—American Hardware & Supply Co., 43 Terminal way
Colonial Supply Co. (Heavy), 217 Water *See adv index at end of book*
Demmler Bros. Co. (Enameled Ware, Household, etc), 100 Ross
Fort Pitt Hardware Co., 807 Liberty av.
Hukill-Hunter Co., 35 Terminalway
Lindsey James C. Hardware Co., 12 8th
Logan-Gregg Hardware Co., 121 9th
Love Thompson Co., 209 1st av
McKnight Sam'l Hardware Co., 225 Federal
Simmons Hardware Co., Jenkins Arcade
Steiner & Voegtly Hardware Co., 230 Diamond
Williams J. A. & Co., 115 7th av.
Woodwell Jos. Co. (General, Builders' & Mill Supplies), 207 Wood
PLYMOUTH—Shawnee Supply Co.
POTTSTOWN—Fegely Jacob & Son
POTTSVILLE—Bright George Hardware Co. (General, Mining, etc)
Pottsville Supply Co.
Thompson L. C. (General, Heavy, Carriage, etc)
PUNXSUTAWNEY—Punxsutawney Hdwe. Co.
Punxsutawney Lumber & Supply Co.
READING—Bard Hardware Co. (General, Heavy, Carriage, etc)
Bright & Co. (General, etc)
Hoff & Bro. (General, Firearms, etc)
Kershner, Matthias & Fritch
Stichter Hardware Co. (General Heavy Carriage, etc)
Tragle Mfg. Co. (File, Rasps & Hack Saws)
Worley Hardware Co. (General)
ROUSEVILLE—Rouseville Supply Co.
ROYERSFORD—Buckwalter J. A.
SCOTTDALE—Loucks Hardware Co.
SCRANTON—Bittenbender Co. (Heavy & Carriage)
Doyle Jas. B.
Foote & Becker (Builders')
Gunster Bros.
Leonard Thos. F. Co.
Scranton Supply & Machy. Co.
SHAMOKIN—Hack W. C. & Sons Hardware Co.
Jones Hardware Co. (Mfrs.' Agents)
Sanner Hardware Co.
SHARON—Fruit-Ohl Co. (Gen'l, Heavy, etc.)
SOMERSET—Holderbaum James B.
SOUTH BETHLEHEM—Drissel & Eberts
TAMAQUA—Seligman Wm & Boll (General)
TITUSVILLE—Kernochan & Co.
United Hardware & Supply Co.
WARREN—Pickett Hardware Co.
WAYNESBORO—Beck & Benedict Hardware Co.
Rinehart Daniel
WILKES-BARRE—Baab Frank
Eastern Penna. Supply Co. (General Heavy, etc.)
Lewis & Bennett Hardware Co.
Morgan's C. Sons (General, Tools, etc.)
White Hardware Co.
WILLIAMSPORT—Kline & Co.
Linck Jacob H. (Est. of)
Williamsport Hardware & Stove Co.
YORK—Frey & Thomas (General)
Fulton, Mehring & Hauser Co.
McClellan & Gotwalt Co. (Ltd.), (General)
Small P. A. & S. Co. (General, Blacksmiths', etc.)

## RHODE ISLAND.

PAWTUCKET—Toole Wm. K. Co.
PROVIDENCE—Ballou, Johnson & Nichols Co. (Mfrs. Agts. Kitchen Hardware), 128 Dorrance
Barker, Chadsey & Co. (General), 38 Westminster
Barrett W. E. Co., 89 Canal
Belcher & Loomis Hardware Co. (General, Manufacturing Jewelers' & Electrical Supplies, etc), 89 Weybosset
B. & H. Supply Co., 115 Mathewson
Church E. C. Co., 5 Eddy
Congdon & Carpenter Co. (General Builders', Cordage, etc), 155 Canal
Rhode Island Supply & Sprinkle Co. (Tools), 156 W Exchange
WOONSOCKET—Darling C. H.

## SOUTH CAROLINA.

ANDERSON—Anderson Hardware Co.
Sullivan Hdwe Co. (General & Heavy)
BEAUFORT—Christensen N. & Sons
CHARLESTON—Ball Supply Co.
Franke C. D. & Co. (Carriage & Auto Accessories)
Lazarus M. H. Co.
Southern Hardware Co. (Shelf)
Thompson-Miler Hardware Co. (Shelf)
CHESTER—Chester Hardware Co.
Hendrix Hardware Co.
COLUMBIA—Lorick & Lowrance
GREENVILLE—Jones Hardware Co.
Poe Hardware & Supply Co.
Sullivan-Markley Hardware Co.
SPARTANBURG—Montgomery & Crawford (General)
Montgomery & Crawford (General)
Palmetto Hdwe. & Supply Co.
UNION—Union Hardware Co.

## SOUTH DAKOTA.

ABERDEEN—Jackson Hardware Co. (General & Heavy)
RAPID CITY—Duhamel Co. (General Carriage, Wagon, etc.)
Sweeney Tom Hardware Co. (General)
SIOUX FALLS—Dakota Iron Store, The
Larson Hardware Co. (General & Heavy)

## TENNESSEE.

BRISTOL—Interstate Hardware & Supply Co.
Mitchell-Powers Hardware Co. (General & Heavy)
CHATTANOOGA — James Supply Co. (General & Heavy)
Magill Hardware Co. (General & Heavy)
Rogers-Bailey Hardware Co. (Heavy)
Stovall Hardware Co.
Vance John C., Iron & Steel Co.
CLARKSVILLE—Elder J. E. Hardware Co.
Elder-Conroy Hardware Co.
CLINTON—Clinton Hardware Co.
COOKEVILLE—Whitson Jerre Hardware Co.
JACKSON—Gooch-Edenton Hardware Co. (General)
McGee-Ross Hardware Co.
JELLICO—Jellico Hardware Co.
McComb Supply Co.
JOHNSON CITY—Summers Hardware Co. (General)
KNOXVILLE—House-Hasson Hardware Co.
Luttrell S. B. & Co.
McClung C. M. & Co. (General, Heavy, Tools, etc.)
Sterling, Crumbliss Hardware Co.
Tenn. Mill & Mine Supply Co. (Heavy)
Woodruff W. W. Hardware Co. (General)
MEMPHIS—Barnes W. E., Inc.
Harris Iron & Supply Co. (Carriage & Heavy)
Orgill Bros. & Co. (Shelf & Cutlery)
Pidgeon-Thomas Iron Co. (Mill Supplies)
Stewart Bros. Hardware Co.
Stratton-Warren Hardware Co. (General)
MORRISTOWN—Hasson, Holt & Nance
NASHVILLE—Buford Bros. (Heavy, Carriage, etc.)
Craig & Shoffner Hardware Co. (Shelf & Heavy)
Gray & Dudley Hardware Co. (General, Heavy, etc.)
Hermitage Hardware Co,. (General & Builders)
Hitchcock L. H. & Son (Heavy)
Keith, Simmons & Co. (General, Heavy, etc).
Lipscomb H. G. & Co. (General & Heavy)
McWhorter, Weaver & Co. (General)

## TEXAS.

ABILENE—Hughes Edw. S. Co. (General & Heavy)
AMARILLO—Amarillo Hardware Co.
Morrow Thomas Hardware Co. (General)
AUSTIN—Richardson W. H,. & Co,.
Tips Walter Co. (General, Heavy, Carriage, Saddlery, etc.)
BEAUMONT—Norvell-Wilder Hardware Co.
Wilson E. L., Hardware Co. (General, Heavy, etc.),
BROWNWOOD—Austin Hall Hdwe. Co.
Weakley-Watson-Miller Hardware Co. (General)
CHILDRESS—Norris R. H. Hardware Co.
CORPUS CHRISTI—Corpus Christi Hardware Co. (& Automotive Equipment)
CORSICANA—Tatum W. M. Hardware Co. (General)
DALLAS—Huey & Philp Hardware Co,. (General, Tinners', etc.)
Moroney Hardware Co. (General)
DENISON—Hall-Leeper Hardware Co.
EL PASO—Krakauer, Zork & Moye's Successor's, Inc. (General Firearms, etc.)
Momsen-Dunnegan-Ryan Co.
FORT WORTH—Nash Hardware Co. (General, Heavy, etc.)
GAINESVILLE—Kennerly S. J.
GALVESTON—Black Hdwe. Co.
Blum Ben & Co.
HALLETTSVILLE — Hallettsville Hdw. Co. (General)
HOUSTON—Bering C. L. & Theo., Jr. (Sporting Goods)
Bering-Cortes Hardware Co. (General)
Heitmann F. W. Co,. (Heavy)
Meyer Jos. F. Co. (Heavy & Carriage)
Peden Iron & Steel Co. (Heavy, etc.)
JEFFERSON—Meyer Eugene
Torrans Mfg. Co.
LAREDO—Deutz A. & Bro. (General & Heavy)
MERCEDES—Rio Grande Hardware & Machinery Co.
NACOGDOCHES—Cason-Monk & Co.
PARIS—Bettes H. S. Hardware Co. (General)
ROCKDALE—Henne & Meyer Co.
SAN ANGELO—Crowther Hdwe. Co.
Findlater Hardware Co.
SAN ANTONIO—Basse Wm,. Hardware Co. (Carriage, Wagon & Heavy)
Braunschweig-Briam-Reich Co., 106 E Commerce
Heusinger Hardware Co. (Heavy, Builders', Cabinet, Tools, etc.)
Newton, Weller & Wagner Co.
Peden Iron & Steel Co.
Praeger Hardware Co.
Schultze-Stove & Hardware Co.
Tips Hardware Co. (General)
SHERMAN—Hardwicke-Etter Co.
Roberts, Sanford & Taylor Co. (General)
STAMFORD—Penick Hughes Co.
TEXARKANA—(See Arkansas)
TYLER—Adams J. H. & Son (General, Heavy, etc.)
Wadel Connally Hardware Co.
WACO—Herrick Hardware Co.
McLendon Hardware Co. (General), Heavy, etc)
Padgitt Tom Co. (Saddlery, etc.)
WEATHERFORD—Lowe & Co. (General, etc.)

## UTAH.

OGDEN—Lowe Geo. A. Co. (Heavy)
Simmons J. C. (Tinware)
SALT LAKE CITY—Salt Lake Hardware Co. (General, Heavy, etc.)
Strevell-Paterson Hardware Co. (General, Heavy, etc)
Zion's Co-operative Merecantile Institution (General, Heavy, etc.)

## VERMONT.

BELLOWS FALLS—Howard Hardware Co.
BRATTLEBORO—Robbins & Cowles
BURLINGTON—Hagar Hardware & Paint Co.
Isham Hdwe. Co.
Strong Hardware Co. (Heavy, Builders', Carriage, etc)
Vermont Hardware Co. (General & Saddlery)
MONTPELIER—Diming Hdwe. Co.
Dwinell Hdwe. Co.
Peck Bros. Co.
NEWPORT—Root Hy. S. & Son
True & Blanchard Co.
RUTLAND—Landon W. C. & Co.

## VIRGINIA.

ALEXANDRIA—Carlin Hulfish Co.
BLACKSTONE—Dillard Crawley Hardware Co.
BRISTOL—(See Tennessee)
CHARLOTTESVILLE — Charlottesville Hardware Co. (General, Cutlery, Heavy, etc)
Martin W. T. Hardware Co.
CLIFTON FORGE—Smith & McKinney Hardware Co. (General, Builders', Tools, etc)
DANVILLE—Clark, L. C. & Co.
Danville Hardware Co.
Mobley-Graham-Jones Co.
Motley B. S. & Co.
Piedmont Hardware Co. (General, Builders', Tools, etc)
EMPORIA—Tillar W. T. Co.
HAMPTON—Booker H. R. & Co.
HARRISONBURG—Snell Gro. & Hardware Co.
Wilton Hardware Co.
LEXINGTON—Myers Hardware Co.
LYNCHBURG—Ainslie & Martin Co. (General, Heavy)
Bailey Spencer Hardware Co. (Heavy, Shelf, Firearms, etc)
Barker-Jennings Hardware Co. (Heavy, Shelf, Firearms, etc)
Gannaway Jno. E. & Co. (General)
Handy N. B. Co.
Perrow-Evans Hardware Co. (General)
NEWPORT NEWS—Rosenbaum Hardware Co., 2610 Washington av
NORFOLK — Building Supplies Corp. (Builders')
Malbon P. J.
Norfolk Hardware Co., 115 Washington
Watters & Martin (General, Heavy, etc)
White Hardware Co. (General)
Womble's J. G. Sons
NORTON—Norton Hardware Co. (General)
PETERSBURG—Leonard Chas. Hardware Co. (General)
Petersburg Hardware Co.
Peterson & Joyner
Stockdell Myers Hardware Co.
PORTSMOUTH — Hawks - Maupin Co. (Builders)
PULASKI—Price Hardware Co.
RICHMOND—Baldwin & Brown (Shelf, Builders' & Heavy), 1557 E Main
Clarke A. B. & Son Hardware Co. (General, Heavy, Carriage, etc), 510 E Broad
Donnan W. S. Hardware Co. (Heavy & General), McDonough
McGraw James, Inc. (General, Machinists' Supplies), 1442 E Main
Richmond Hardware Co. (General & Shelf), 101 S 14th
Taylor E. L. & Co. (Carriage & Wagon), 9th & Carey
Virginia-Carolina Hardware Co. (General Tinware, etc), 1332 E Main
Watkins-Cottrell Co. (Shelf & Heavy), 14th & Dock
ROANOKE—Graves-Humphreys Hardware Co.
Nelson Hardware Co. (General, Miners' Supplies, etc)
Roanoke Hardware Co. (Shelf)
SOUTH BOSTON—Penick R. A. & Son (General)
STAUNTON—Bowman C. P. Hardware Co. (General, Saddlery, etc)
Worthington Hardware Co. (General, Heavy Carriage, Saddlery, etc)
SUFFOLK—Folk E. L. Co.
Thomas Hardware Co.
TAZEWELL—Greever J. A.
Peery W. E.

## WASHINGTON.

ABERDEEN—Isaacson L. G. Co.
BELLINGHAM—Morse Hardware Co. (General)
Northwest Hardware Co. (General & Heavy)
EVERETT—Agnew Hardware Co.
N. YAKIMA—Yakima Hardware Co.
SEATTLE—Campbell Hardware Co.
Curtiss Wm. M. Co.
Ernst Hardware Co., 6th & Pike
Gray Bros. Co. (Carriage, Wagon, etc)
Schwabacher Hardware Co. (Heavy, Shelf, Ship Chandlers, etc), 1st S & Jackson
Seattle Hardware Co. (Heavy, Shelf, Tools, etc)
Spelger & Hurlbut, Inc.
Whiton Hardware Co.
SPOKANE—Holley-Mason Hardware Co. (Shelf, Heavy, Plumbers, etc)
Jensen-King-Byrd Co.
Marshall-Wells
Spokane Hardware Co. (General)
TACOMA—Hunt & Mottet Co. (General & Heavy)
Mohr Henry Hardware Co.
Palace Hardware Co.

## WEST VIRGINIA.

BELINGTON—Kane & Keyser Hardware Co.
BLUEFIELD—Bluefield Hardware Co. (General, Tinware, etc)
Sterling Hardware Co.
CHARLESTON—Baird Hdwe. Co. (General)
Burlew Hardware Co. (General)
Charleston Hardware Co. (General)
Goshorn Hardware Co. (General)
Loewenstein & Sons (Saddlery)
Sparke J. W. Co. (General)

## Hardware (Wholesale)

WEST VIRGINIA—continued
CLARKSBURG—Williams Hardware Co. ("Wilco," General, Heavy, Carriage)
FAIRMONT — Jacobs - Hutchinson Hardware Co. (General)
HUNTINGTON—Emmons, Hawkins Hardware Co. (General, Natural Gas Fixtures, etc)
Foster-Thornburg Hardware Co. (General, etc)
Miller Supply Co. (Heavy, Mine & Mill)
KEYSER—Keyser Hardware Co.
Siever Hardware Co. (General)
PARKERSBURG—Niswander G. W. & Co.
Smith W. H. Hardware Co (General)
Wiant & Barr Hardware Co.
RAVENSWOOD—Harpold Bros.
Moore C. P. (General)
SPENCER—Moore Charles P. & Co.
SUTTON—Lee W. H.
WELCH—Moore Combination Stores.
WEST UNION—Cox Brothers Co.
WHEELING—Braunlich, C. F. & Co.
Greer & Laing (General & Heavy)
Hiener Hardware Co.
Miller & Stein (Heavy, Carriage, etc)
Neff Hardware Co.
Ott-Heiskell Hardware Co. (General, Cutlery, etc)
Whitaker-Glessner Co. (Wheeling Corrugating Dept.)
Wilson W. A. & Sons (Builders')

### WISCONSIN.

APPLETON—Galpin's Alfred Sons
Schlafer Hardware Co.
Tesch Wm.
ASHLAND—Garnich Emil & Sons Hardware Co.
BURLINGTON—Wagner C. B. Hardware Co.
FOND DU LAC—Hughes Jno. Hardware Co.
Wegner J. F. & Co.
GREEN BAY—Morley-Murphy Hardware Co. (General, Cutlery, etc)
JANESVILLE—Bicknell Mfg. & Supply Co.
LA CROSSE—Kroner Fred Hardware Co. (General, Wagon, Tools, etc)
Tausche, Vincent Hardware Co. (General, Blacksmiths', etc)
MADISON—Kroncke H. G. Hardware Co.
Sumner & Morris
MANITOWOC — Worel Hardware Co. (General, Heavy, Cutlery, Firearms)
MILWAUKEE—Ehlert Hardware Co., 209 3rd
Frankfurth Wm. Hardware Co. (General, Heavy, Carriage, etc.), 119 W Water
Gross Philip Hardware & Supply Co., 218 3rd
Hilgendorf C. F., 303 3d
Pritzlaff John Hardware Co. (General, Heavy, Tin Plate, Cutlery, etc), 51 W Water
Shadbolt & Boyd Iron Co. (Wagon & Carriage), 131 W Water
Suelflohn & Seefeld (Heavy, Carriage, etc), 45 2d
NEENAH—Krueger Wm. Co.
OSHKOSH—Hay Hardware Co.
Leach Frank Hardware Co.
RACINE—Hoernel Hardware Co.
Mohr-Jones Hardware Co.
Racine General Mfg. Co. (Wagon)
SHEBOYGAN—Geele Frank Hardware Co.
SUPERIOR—Superior Hardware Co.
WATERTOWN—Kusel D. & F. Co.
WAUSAU—Bauman Hardware Co.

### WYOMING.

CHEYENNE—Arp & Hammond Hardware Co.
Roedel Frank A.
EVANSTON—Beeman & Cashin Mercantile Co.
LARAMIE—Holliday W. H. Co.
SHERIDAN—Diefenderfer & Dinwiddie Co.

## 5942—Harness (Coal Mine, Etc.)

Beagle Hame Works, Freeland, Pa.
Kugler Clarence B., Jr. & Co., Land Title bldg, Phila., Pa.
Lerch Bros., 114 Hanover, Baltimore, Md.
Olewine Wm. & Son, Hazleton, Pa.
Pittsburgh Harness Supply Co., 325 Penn av, Pittsburgh, Pa.
Sells J. H. & F. A. Co., Chestnut & Pearl, Columbus, O.
Shapleigh Hardware Co., 4th & Washington av, St. Louis, Mo.
Strecker Bros. Co., Marietta, O.

## 5943—Harness (Contractors')

Lerch Bros., 114 Hanover, Baltimore, Md.
Sells J. H. & F. A. Co., Chestnut & Pearl, Columbus, O.
Sickles J. B. Saddlery Co., 2100 Washington, St. Louis, Mo.
United Forge & Machine Co., 527-43 Franklin, Detroit, Mich.

## 5944-45— Harness Menders

Garland Mfg. Co. (Loom), Saco, Me.
Sacks Louis, Inc. ("Royal"), Wilson av, Newark, N. J.

## 5946—Harness, Saddles & Strap Work (Mfrs.)

### ARKANSAS.

FORT SMITH—Murphy W. J.
LITTLE ROCK—Voss-Hutton Mfg. Co.

### CALIFORNIA.

LOS ANGELES—Los Angeles Saddlery & Finding Co.
SACRAMENTO—Van Voorhies A. A. & Co.
SAN FRANCISCO—Davis W. & Sons, 333 Market
Johnson F. S. Co., 576 Howard
Keyston Bros., 120 2d
STOCKTON—Schaffer W. H.

### CONNECTICUT.

HARTFORD—Smith, Worthington Co.

### GEORGIA.

BUFORD—Allen Bona (Inc.)
Shadburn Bros.
MACON—Bernd G. Co.
WACO—Heaton & Senft

### ILLINOIS.

BENTON—Jackson A. D. Saddlery Co.
BLOOMINGTON—Green B. S. Co.
CHICAGO—Kronauer Chas. & Co., 844 Fulton
DECATUR—Starr J. G. & Son
FREEPORT—Bowler & Jones
GALESBURG—Adams & Johnson Co.
MORTON—Kramer Rotary Harrow Co.
QUINCY—Wolf Mfg. Co.
ROCKFORD—Hess & Hopkins Leather Co.

### INDIANA.

ELKHART—Elkhart Carriage & Motor Car Co. (Harness Only)
FORT WAYNE—Fort Wayne Saddlery Co.
INDIANAPOLIS—Indianapolis Saddlery Co., 237 S Meridian
Rehfuss Martin Jr.
KOKOMO—Ulrich Mfg. Co. (Saddles Only)
LA PORTE—La Porte Harness Co.

### IOWA.

BOONE—Goeppinger L. & H.
BURLINGTON—McConnell S. R. & I. C. Co.
CLINTON—Clinton Saddlery Co.
DAVENPORT—Sears Saddlery Co.
DES MOINES—Boyt Walter Co.
Des Moines Saddlery Co.
MUSCATINE—Van Nostrand Saddlery Co.
OSKALOOSA—Fitch R. F. & W. B. Co.
SIOUX CITY—Meyer Bros. Saddlery Co.
WATERLOO—Waterloo Saddlery Co.

### KANSAS.

ATCHISON—Atchison Saddlery Co.
Kessler-Barkow Saddlery Co.
FORT SCOTT—Glunz Saddlery Co.
TOPEKA—Krauss O. & Sons
WICHITA—Hays L.
McComb Bros.

### KENTUCKY.

LOUISVILLE—Bohr Geo. & Sons (Saddles & Bridles), 613 W Market
Formau-Breen Mfg. Co.
Harbison & Gathbright
Hodapp & Miller
Krieger J. P. Saddlery Co.
Miller Jno. Saddlery Co.
PADUCAH—Michael M. & Bro.

### LOUISIANA.

NEW ORLEANS—Rice Louis P. & Co., 230 Decatur
Whitney & Sloo Co. (Ltd.,) 733 Tchopt
SHREVEPORT—Shreveport Saddlery Co.

### MARYLAND.

BALTIMORE—Lerch Bros., 114 Hanover
Rose Peter & Sons, 9 S Howard

### MASSACHUSETTS.

BOSTON—Ranno-Speirs Co., Jobbers, 39 High
GARDNER—Godfrey G. R.

### MICHIGAN.

BATTLE CREEK—Eldred Willard H.
DETROIT—Pierson & Hough Co., 118 Congress W
Sutherland F. L. Co., 139 Beaubien
Tuttle & Clark, 187 E Jefferson
FLINT—Weit & Perry
HUDSON—Kellogg H.
SAGINAW—Morley Bros.

### MINNESOTA.

DULUTH—Marshall-Wells Co.
Schulze Leather & Findings Co.
MINNEAPOLIS—Dodson, Fisher, Brockmann Co., 15 N 3rd
Noe G. D. Harness Co.
Nott W. S. Co., 2d av N & 3d
ST. PAUL—Friend Chas. & Son, 343 Jackson
Scheffer & Rossum Co., 104 E 10th
WINONA—Minnesota Harness Factory

### MISSISSIPPI.

MERIDIAN—Threefoot Bros. & Co.

### MISSOURI.

CALIFORNIA—Heck Wm.
KANSAS CITY—Askew Saddlery Co.
ST. JOSEPH—Rossi Saddlery Co.
Wyeth Hardware & Mfg. Co.
ST. LOUIS—Burns P. Saddlery Co., 713 Lucas
Sickles J. B. Saddlery Co., 2100 Wash.
Simmons Hardware Co., 9th & Spruce
Straus Saddlery Co., 27th & Locust
SPRINGFIELD—Hermann-Sanford Saddlery Co.
Steineger Saddlery Co.

### NEBRASKA.

LINCOLN—Harpham Bros. Co.
NORFOLK—Winter H. W.
OMAHA—Cornish Alfred & Co.
Haney J. H. & Sons
Marks Bros. Saddlery Co.

### NEW JERSEY.

NEWARK—Peters Harness & Saddlery Co., 364 Mulberry

### NEW YORK.

ROME—Barnard Edw. Co.
SYRACUSE—Olmsted Co.

### NORTH CAROLINA.

WINSTON-SALEM—Shipley J. W.

### NORTH DAKOTA.

FARGO—Bristol & Sweet Harness Co.
North Dakota Harness Co.

### OHIO.

BRYAN—Riley Wm. H. & Son
CINCINNATI—Curry J. W. Co. ("Curry" Fabric Harness), 2615 Cummins
Graf-Morsbach Co., Flint & Wade
Grossman & Hooe Saddlery Co., 231 Main
Perkins-Campbell Co., 622 B'way

COLUMBUS—Sells J. H. & F. A. Co., Chestnut & Pearl
LOWELL—Hollinger Jacob F.
MARIETTA—Strecker Bros. Co.
NEW BERLIN—W. H. Co.
NORTH CANTON—Hoover W. H. Co. (Patent leather)
SIDNEY—Given R. & Son Co.
TOLEDO—Sattler Peter Co.

OKLAHOMA.

OKLAHOMA — Hughes-Bozarth-Anderson Co.

OREGON.

PORTLAND—Breyman Leather Co., 329 Everett
Clark Jno. Saddlery Co., 104 Front
Cronin P. J. Co., 129 1st
Lawrence Geo. Co., 82 1st
McMonies W. H. & Co., E 7th & Hancock

PENNSYLVANIA.

INDIANA—Marshall Godfrey (Saddlery)
YOUNGSVILLE—Youngsville Saddlery Co.

RHODE ISLAND.

PROVIDENCE—Rounds T. W. Co., Ltd., 48 Washington

TENNESSEE.

CHATTANOOGA—Southern Saddlery Co.
KNOXVILLE—Karnes Howard
NASHVILLE—Goodpasture & Tenison
Gray & Dudley Hardware Co.
Nashville Saddlery Co.
Orman-Partee Saddlery Co.
SHELBYVILLE — Robinson-McGill Mfg. Co.

TEXAS.

DALLAS—Padgitt Bros. Co.
Schollkopf Co .
Tenison Bros. Saddlery Co.
FORT WORTH—
PARIS—Paris Saddlery Co.
SAN ANTONIO—Frank L. Saddlery Co.
WACO—Padgitt Tom Co.

UTAH.

OGDEN—Read J. G. & Bros. Co.
SALT LAKE CITY—Salt Lake Hardware Co.

VIRGINIA.

NEWPORT NEWS—Miller & Gleason
RICHMOND—Cottrell Saddlery Co.
Crump Benj. T. Co.

WASHINGTON.

SEATTLE—Duncan & Sons
Seattle Saddlery Co.

WEST VIRGINIA.

WHEELING—Hutchisson T. T. & Co.

WISCONSIN.

EAU CLAIR—Schwahn-Seyberth Mfg. Co.
GREEN BAY—Franssens J. M.
McIntyre-Burrall Co.
MADISON—Madison Saddlery Co.
MILWAUKEE—Wallace & Smith Co., 86 W Water
Young Benj. Co., 241 E Water

## 5947— Harpoons

Wilcox, Crittenden & Co., Inc., Middletown, Conn.
*See adv index at end of book*

## 5948— Harps (Trolley)

See Wheels, Trolley; also Trolley Line Materials

Bayonet-Trolley-Harp Co., Springfield, O.
Electric Railway Equipment Co., Cincinnati, O.
Electrical Material Co. ("Feist"), 618 W Jackson blvd
Holland Trolley Supply Co., 1623 E 43d. Cleveland, O.
Meckel Fred. L., 11 E 13th, Chicago, Ill.
MORE-JONES BRASS & METAL CO., St. Louis, Mo. *See adv index at end of book*
NUTTALL R. D. CO. ("Union"), McCandless & Harrison av. Pittsburgh, Pa. *See adv index at end of book*
Star Brass Works ("Kalamazoo"), Kalamazoo, Mich.

## 5949—Harrow & Cultivator Combined

White's S. R. Sons ("I. A. Special"), Norfolk, Va.

## 5950— Harrows (Alfalfa)

Avery B. F. & Sons ("Avery"), Louisville, Ky.
Bucher & Gibbs Plow Co. ("Imperial"), Canton, O.
Deere & Co. ("Deere"), Moline, Ill.
Light Draft Harrow Co. ("Forkner"), Marshalltown, Ia.
Moline Plow Co. ("Moline"), Moline, Ill.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Rock Island Plow Co. ("Porcupine"), Rock Island, Ill.

## 5951— Harrows (Boss)

Anderson Co., 2324 University av, St. Paul, Minn.
Hayes Pump & Planter Co., Galva, Ill.
Keller Mfg. Co., 1325 N E Quincy, Minneapolis, Minn.
La Crosse Plow Co., La Crosse, Wis.
Madison Plow Co., Madison, Wis.
Oliver Chilled Plow Works, South Bend, Ind.
Rock Island Plow Co., Rock Island, Ill.
Rowell I. B. Co. (Scotch Lever), Waukesha, Wis.

## 5952-3— Harrows (Disc)

American Seeding Machine Co. ("Evans," Gang & "Superior" on Wheels, also Truck), Springfield, O.
Ames Plow Co., Quincy Hall, Boston, Mass.
Avery B. F. & Sons ("New Tornado"), Louisville, Ky.
Belcher & Taylor Agricultural Tool Co. ("Yankee"), Chicopee Falls, Mass.
Brinly Hardy Co., Louisville, Ky.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Brown Mfg. Co., Zanesville, O.
Bryan Plow Co., Bryan, O.
Bucher & Gibbs Plow Co. ("Imperial," "Perfect," also Cut Out Disc & Double Disc), Canton, O.
Case J. I. Plow Works ("J. I. Case," Reversible & Tandem), Racine, Wis.
Collins Plow Co., Quincy, Ill.
Cutaway Harrow Co. ("Clark's Cutaway," "Great Western"), Higganum, Conn.
Davidson-Dietrich Plow Co., Evansville, Ind.
Deere & Co. ("Deere" Engine Gang, Single & Double Action, Engine & Orchard), Moline, Ill.
Emerson-Brantingham Co. ("E. B." Horse & Engine Plain Disc.), Rockford, Ill.
Evans B. A., Hammond, N Y.
Fetzer & Co. ("Excello," "Spear Head," "O. K." "Fetzer," "McSherry," Springfield, Ill.
Gale Mfg. Co. ("Albion," One or Two Lever, also Cutaway), Albion, Mich.
Galesburg Coulter-Disc Co., Galesburg, Ill.
Grand Detour Plow Co., Dixon, Ill.
Hartman Mfg. Co., Vincennes, Ind.
Hayes Pump & Planter Co. ("Sucker State"), Galva, Ill.
Holt Mfg. Co., Stockton, Cal.
International Harvester Company of America (Inc.) (Deering-McCormick "International" "P. & O."), Harvester bldg., Chicago, Ill.
Janesville Mach. Co. ("Budlong"), Janesville, Wis.
La Crosse Plow Co. ("La Crosse"), La Crosse, Wis.
Lean Roderick Mfg. Co., Mansfield, O.
Lehr Agricultural Co., Fremont, O.
Long & Allstater Co. ("Hamilton" Single & Double Tongue & Tongueless), Hamilton, O.
Luthy & Co., Peoria, Ill.
Madison Plow Co. ("F. & J."), Madison, Wis.
Maroa Mfg. Co., Maroa, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.
Moline Plow Co. ("Economy," "Flying Dutchman," "Moline" Cutaway & Reversible), Moline, Ill.
Monmouth Plow Factory, Monmouth, Ill.
Ohio Cultivator Co. ("Bellevue," "Hi-Lo," "Star"), Bellevue, O.
Ohio Rake Co. (Cut Out Disc, "Dayton," Double Disc, "Chattanooga," & "New Lion" Reversible), Dayton, O.
Oliver Chilled Plow Works, South Bend, Ind.
O'Neil T. L., Marseilles, Ill.
Parlin & Orendorff Co. ("P. & O.," "Canton," "Star," Reversible, Orchard), Canton, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co. ("Governor," "Mod. X.," "Tandem"), Springfield, Ill.
Rock Island Plow Co. ("Bonanza" & "Defiance"), Rock Island, Ill.
Shaw H. C. Co., Stockton, Cal.
Sterling Mfg. So., Sterling, Ill.
Swanson Plow Co., Muskogee, Okla.
Swanson-St. Joseph Plow Co., St. Joseph, Mo.
Syracuse Chilled Plow Co. (Steel Frame), Syracuse, N. Y.
Thompson Plow & Engine Works ("Eclipse"), Beloit, Wis
Wiard Plow Co. ("Star"), Batavia, N. Y.
Wood Walter A. Mowing & Reaping Machine Co. (Piano & Cutaway), Hoosick Falls, N. Y.
Woodhouse J. S. Co. (Smoothing), 191 Water, New York

## 5954— Harrows (Spading)

Bryan Plow Co., Bryan, O.
Janesville Mach. Co. ("Budlong"), Janesville, Wis.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Wiard Plow Co. ("Morgan"), Batavia, N. Y.

## 5955—Harrows (Spring Tooth)

Akron Cultivator Co., Akron, O.
Albright James H. & Sons, Mifflinburg, Pa.
Babcock Mfg. Co., Leonardville, N. Y.
Belcher & Taylor Agricultural Tool Co. ("Oxford"), Chicopee Falls, Mass.
Brinly Hardy Co. ("Columbia," "Rufls"), Louisville, Ky.
Brown-Manly Plow Co. (Wood Frame), Malta, O.
Bucher & Gibbs Plow Co. ("Imperial"), Canton, O.
Buch's A. Sons Co., Elizabethtown, Pa.
Burch Plow Works Co. (Steel Frame), Crestline, O.
Conner J. W. & Son ("Orangeville" Coil Spring & Scotch Hinge), Orangeville, Pa.
Davidson-Dietrich Plow Co., Evansville, Ind.
Donaldson Bros., Mount Clemens, Mich.
Eddy W. Plow Co., Greenwich, N. Y.
Eureka Mower Co. ("Eureka," Combination "Badger," "Standard"), 16 Hickory, Utica, N. Y.
Farquhar A. B. Co. (Ltd.) ("Pennsylvania"), York, Pa.
Gale Mfg. Co. ("Albion," "Empire," "Star" Steel or Wood Frame), Albion, Mich.
Genesee Valley Mfg. Co. ("Fargo"), Mt. Morris, N. Y.
Greenville Implement Co., Greenville, Mich.
Heebner & Sons, Lansdale, Pa.
Hussey Plow Co. ("Hussey"), N Berwich, "Daisy"), N Berwich, Pa.
International Harvester Company of America (Inc.) (Deering-McCormick "International" "P. & O."), Harvester Bldg, Chicago, Ill.
La Crosse Plow Co. ("La Crosse"), La Crosse, Wis.
Lean Roderick Mfg. Co. (Also Spike Tooth), Mansfield, O.
Lehr Agricultural Co. (Steel Frame), Fremont, O.
Le Roy Plow Co., Le Roy, N. Y.
Light Draft Harrow Co. ("Forkner"), Marshalltown, Ia.
Maroa Mfg. Co. ("Maroa"), Maroa, Ill.
Massey-Harris Harvester Co. ("Perry"), Batavia, N. Y.
Moline Plow Co. ("Moline"), Moline, Ill.
Munnsville Plow Co. ("Perry," "Otsego" Steel Frame), Munnsville, N. Y.
New Idea Spreader Co. ("New Idea"), Coldwater, O.

HARROWS (SPRING TOOTH)—continued

Ohio Cultivator Co. ("Ohio"), Bellevue, O.
Ohio Rake Co. (Quail Steel & "Monarch"), Dayton, O.
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Parlin & Orendorff Co. ("P. & O" Spike Tooth), Canton, Ill.
Reed Fdry. & Mach. Co. ("Triumph" Sulky), Kalamazoo, Mich.
Rockford Mfg. Co., Rockford, Ill.
South Bend Chilled Plow Co. ("Jewel," "Newmarket"), South Bend, Ind.
Southern Plow Co., Dallas, Tex.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tanner D. F., Holland, N. Y.
Wirtz & Hernlen ("Dixie"), Augusta, Ga.
Wood W. A. Mowing & Reaping Machine Co. ("Climax"), Hoosick Falls, N. Y.

## 5956— Harrows (Toothless)

Miller & Rellim Co. ("Rellim"), College Corner, O.

## 5957—Harrows & Pulverizers

Allen S. L. & Co. ("Planet Jr."), 15th & Glenwood, Phila, Pa.
American Seeding Machine Co. (Spike Tooth), Springfield, O.
Ames Plow Co., Quincy Hall, Boston, Mass.
Anderson Company ("Boss" Harrows), 2324 University av, St. Paul, Minn.
Avery B. F. & Sons (Lever, Spike Tooth), Louisville, Ky.
Barley Thos. K., Sedalia, Mo.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Bechtolt Geo. E., Urbana, O.
Belcher & Taylor Agl. Tool Co. (Eclipse Weed Harrow, Yankee Pulverizer, Share's Coulter Harrow, etc), Chicopee Falls, Mass.
Bloom Mfg. Co. (Spike Tooth), Nashua, Ia.
Brinly Hardy Co., Louisville, Ky.
Brown Mfg. Co., Zanesville, O.
Bryan Plow Co., Bryan, O.
Bucher & Gibbs Plow Co. (Spike Tooth), Canton, O.
Buffalo Springfield Roller Co. (Road & Street Harrows), Springfield, O.
Case J. I. Plow Works (Critic Closed End, Wood Bar & Pipe Flexible), Racine, Wis.
Clore Wm. H. Mfg. Co. (Side Harrows), Washington, Ind.
Collins Plow Co. (Quicy Lever, Steel U Bar), Quincy, Ill.
Cutaway Harrow Co. ("Clark"), Higganum, Conn.
Davidson Dietrich Plow Co. (U Bar Harrows), Evansville, Ind.
Deere John Plow Works, Moline, Ill.
Defiance Welding Co. (Peg Tooth, Self-Adjusting Leverless), Defiance, O.
Dowden Mfg. Co. (Ltd.) (Weed Harrow), Prairie City, Ia.
Dunham Co. (Surface & Sub-Surface), Berea, O.
Emerson-Brantingham Co. ("E. B." Steel, Wood Frame, Smoothing, Stiff Tooth, Rockford, Ill.
Empire Plow Co. ("Empire"), 3140 E. 65th, Cleveland, O.
Farquhar A. B. Co. (Ltd.) (Spring Tooth, etc)
Gale Mfg. Co. (Spring Tooth Steel & Lever Harrows, Spike Tooth, Steel U Bar), Albion, Mich.
Galloway Wm. Co., Waterloo, Ia.
Genesee Valley Mfg. Co. ("Fargo V Tooth"), Mt. Morris, N. Y.
Grand Detour Plow Co. (Pipe, U Bar, & Oakwood Harrows), Dixon, Ill.
Harriman Mfg. Co., Harriman, Tenn.
Hayes Pump & Planter Co. (Steel U Bar, Angle Bar or Pipe with Spike Tooth), Galva, Ill.
Hazen W. S. ("Hazen," "Scotch"), Ripon, Wis.
James Mfg. Co., Fort Atkinson, Wis.
Janesville Machine Co. ("Van Dyke," "James," Flexible, Plow Cut, Ewe Bar, Guarded End, Tubular Lever), Janesville, Wis.
Jelliff C. O. Mfg. Corporation ("Meeker's" Smoothing), Southport, Conn
La Crosse Plow Co. (Tubular, Zig-Zag, Steel & Wood Flexible & Wood Lever), La Crosse, Wis.
Lean Roderick Mfg. Co. ("Roderick Lean" All Steel Lever, Pipe Bar, Flexible, Zig-Zag, Spike Tooth), Mansfield, O.
Lee Bros., Watertown, S. D.
Lehr Agricultural Co. (Peg Tooth, etc), Fremont, O.
Le Roy Plow Co., Le Roy, N. Y.
Madison Plow Co. ("Boss," "Bonanza" Lever, U. & Pipe Bar), Madison, Wis.
Maroa Mfg. Co. (Riding Harrows), Maroa, Ill.
Marseilles Harrow Mfg. Co. (Triangular-Steel Frame), Marseilles, Ill.
Massey-Harris Harvester Co. (Steel), Batavia, N. Y.
Moline Plow Co. (Peg & Spring Tooth with or without Seat), Moline, Ill.
Monmouth Plow Factory (Lever), Monmouth, Ill.
Nash Duane H. ("Acme" Pulverizer), Millington, N. J.
National Harrow Co., Le Roy, Ill.
Ohio Cultivator Co. (Steel Lever, Cyclone Pulverizer), Bellevue, O.
Ohio Rake Co. (U Bar, Quail Spike Tooth, "Ohio" Wood Bar "Miama"), Dayton, O.
Parlin & Orendorff Co. ("P. & O." Pipe Frame Lever, U Bar Lever, "Diamond," "Favorite" Lever Guard, "Climax" Round Bar, Clod Crusher), Canton, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Peterson Mfg. Co. (Imperial Pulverizer), Kent, O.
Pounder Geo. H. (Pounder Flexible), Ft. Atkinson, Wis.
Racine-Sattley Co. (Spike Tooth, Steel Frame, "Toga"), Springfield, Ill.
Rawlings Implement Co., 11 W Pratt, Baltimore, Md.
Reed & Rogers Mfg. Co. (Scotch), Vernon, Ind.
Ripley Foundry & Machine Co. ("Parker" Soil Pulverizers), Ripley, O.
Ripson Wm. & Son, Youngstown, N. Y.
Rock Island Plow Co. (Steel & Wood Flexible & Lever Harrows), Rock Island, Ill.
Rockford Mfg. Co. ("Rockford," Steel & Wood Lever), Rockford, Ill.
Sargent, Osgood & Roundy Co., Randolph, Vt.
Sechler D. M. Implement & Carriage Co. ("Black Hawk" Pulverizer), Moline, Ill.
South Bend Chilled Plow Co., South Bend, Ind
Southern Plow Co. ("Arkansas," "Dixie," "Carolina" Harrows), Columbus, Ga.
Sparta Plow Works (Imperial U Bar Harrows), Sparta, Ill.
Star Mfg. Co. (Spike Tooth Harrows), Carpentersville, Ill.
Sterling Mfg. Co. (Lever), Sterling, Ill.
Swanson Plow Co., Muskogee, Okla.
Swanson-St. Joseph Plow Co. (Scotch Channel & Pipe or Tax Bar Steel Spike Tooth), St. Joseph, Mo.
Syracuse Chilled Plow Co. (Spring & Spike Tooth), Syracuse, N. Y.
Thompson Plow & Engine Works (U Bar, Steel Lever, Champion Pipe Bar) Beloit, Wis.
Tower J. D. & Sons Co. (Pulverizer, Clod Crusher & Weed Exterminator), Mendota, Ill.
Towers & Sullivan Mfg. Co. ("Pennington," Roman & Ark Side Harrow), Rome, Ga.
Vaughn Mfg. Co. (Flexible), Jefferson, Wis.
Wiard Plow Co. (Cotton & Corn), Batavia, N. Y.
Wilder-Strong Implement Co., Monroe, Mich.
Wood Walter A. Mowing & Reaping Machine Co. (Disc, Spike & Spring Tooth), Hoosick Falls, N. Y.

## 5958— *Harvesters

See also Harvesters & Binders, Grain

Holt Mfg. Co. (Caterpillar), Stockton, Cal.
International Harvester Company of America (Inc.) (Deering-McCormick-Milwaukee Harvesting & Having Machines), Harvester Bldg, Chicago, Ill.

## 5959— Harvesters (Bean)

Akron Cultivator Co. (& Com.), Akron, O.
Arnold's G. W. Son, Ionia, Mich
Batavia Machine Co., Batavia, N. Y.
Caledonia Bean Harvester Works, Caledonia, N. Y.
Donaldson Bros. ("Jiant," "Donaldson"), Mt. Clemens, Mich.
Gale Mfg. Co., Albion, Mich.
Hamachek Frank, Kewaunee, Wis.
Lehr Agricultural Co., Fremont, O.
Le Roy Plow Co., Le Roy, N. Y.
Munnsville Plow Co., Munnsville, N. Y.
Ohio Cultivator Co., Bellevue, O.
Patterson Mfg. Co., Holly, Mich.
Sterling Mfg. Co., Sterling, Ill.
Wiard Plow Co. (The Universal), Batavia, N. Y.

## 5960—Harvesters (Blue Grass)

King R. C. ("Kings Patent"), Carlisle, Ky.
McCormick Bros. ("McCormick"), Winchester, Ky.

## 5961—Harvesters (Broom Corn)

Paris Foundry & Machine Works ("Paris"), Paris, Ill.

## 5962—Harvesters (Combined)

Holt Mfg. Co., Stockton, Cal.

## 5963— Harvesters (Corn)

Bennet H. L. & Co., Westerville, O.
Blue Valley Mfg. Co., Manhattan, Kan.
Dain Mfg. Co., Ottumwa, Ia.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Independent Harvester Co., Plano, Ill.
International Harvester Company of America (Inc.) (Deering-McCormick-Milwaukee), Harvester Bldg., Chicago, Ill.
Jeschke Edw., Bellevue, O.
Kansas City Hay Press Co., Kansas City, Mo.
Massey-Harris Harvester Co., Batavia, N. Y.
Moline Plow Co. ("Adriance"), Moline, Ill.
Ohio Rake Co. ("Standard" Steel), Dayton, O.
Ziegler W. F., Salina, Kan.

## 5964— Harvesters (Pea)

Blocki F. Co. (Pea), Sheboygan, Wis.
Cardwell Mahcine Co., 1900 E. Cary, Richmond, Va.
Gordon L. S., Elizabeth City, N. C.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Port Huron Engine & Thresher Co., Port Huron, Mich.

## Harvesters (Potato)

See Diggers, Potato

## 5965— Harvesters (Rice)

International Harvester Company of America (Inc.) (McCormick-Deering), Harvester bldg, Chicago, Ill.

## 5966—Harvesters & Binders (Grain)

Acme Harvesting Machine Co. (Combined), Peoria, Ill.
Emerson-Brantingham Co. ("E. B. Osborn"), Rockford, Ill.
Massey-Harris Harvester Co., Batavia, N. Y.
Moline Plow Co. ("Adriance"), Moline, Ill.
Seiberling & Miller Co., Doylestown, O.
Wood Walter A. Mowing & Reaping Machine Co. ("New Century"), Hoosick Falls, N. Y.

## 5966a—*Hasps (Automatic & Safety)

Griffin Mfg. Co., Erie, Pa.
STANLEY WORKS, New Britain, Conn.
*See adv index at end of book*

## 5966b—*Hasps (Basket & Crate)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
STANLEY WORKS, New Britain, Conn.
*See adv index at end of book*

## 5966c—*Hasps (Wrought Steel)

Griffin Mfg. Co., Erie, Pa.
STANLEY WORKS (With or Without Hooks), New Britain, Conn.
*See adv index at end of book*

## Hasps (Hinge)

See Hasps & Staples

## 5967— Hasps & Staples

See also Staples

Auer John Jr. (Wrought, also Hasps, with Eye Bolts, etc.), 197 Middleton, Brooklyn, N. Y.

Brainerd Mfg. Co. (Basket, Crate & Box), East Rochester, N. Y.
Brewer Bros. Co., 2nd & Somerset, Phila., Pa.
Buffum Tool Co. ("Swastika," Hasps Only), South Side, Louisiana, Mo.
Corbin Cabinet Lock Co., New Britain, Conn.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Griffin Mfg. Co. (Also Wrought Steel Hinge Hasps), Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Hasps, Hooks & Staples), St. Louis, Mo.
Landers, Frary & Clark (Wrought), New Britain, Conn.
Lanz M. & Sons (Hinge Hasps), 2907 Carson, Pittsburgh, Pa.
Lawrence Bros. (Wrought Iron), Sterling, Ill.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co. (All Steel, Also Automatic Safety Latching), Sterling, Ill.
Ney Mfg. Co., Canton, O.
**STANLEY WORKS** (Wrought Steel With & Without Hooks, also Automatic Hasps & Basket & Crate Hasps), New Britain, Conn. *See adv index at end of book*
Western Brass Mfg. Works (Cast Brass or Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wilcox, Crittenden & Co., Inc. (Malleable Iron & Brass Hinge Hasps), Middletown, Conn. *See adv index at end of book*

## 5968— Hatchet Mfrs.

American Axe & Tool Co. (All Kinds), Glassport, Pa., & 253 B'way, New York
Arcade Mfg. Co. (Cast Shingling, etc.), Freeport, Ill.
Black John B. Co. ("Wm. Beatty & Sons," "Royal" Ice, Half Shingling, Claw, Lathing, Barrel, Produce, Warehouse or Tobacco, Broad, etc.), Chester, Pa.
Bradley G. W. Axe & Tool Mfg. Co. (All Kinds), 119 Leonard, New York.
Burgess-Norton Mfg. Co., Geneva, Ill.
Collins Co., Collinsville, Conn.
Cushman Auto Tool Co., Champaign, Ill.
Duffy Mfg. Co. (Barrel), 214 W Grand av, Chicago, Ill.
Evansville Tool Works (All Kinds), Evansville, Ind.
Germantown Tool Works ("Selsor's" Rustless & "Blue Jacket" Barrell Box, Lathing, Shingling, Half Claw, etc.), 521 Market, Phila, Pa.
Grey Iron Casting Co. ("Monarch" Cast Steel, Claw, Half, Ice, Shinging, etc.), Mt. Joy, Pa.
Fulton Tool Works (Coal Miners) ("Fulco Fulton"), Huntington, W. Va.
Hammond C. & Son (All Kinds), Ogontz, Pa.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mason & Parker Mfg. Co., Winchendon, Mass.
North Wayne Tool Co. ("Karadam," Tobacco, etc.), Hallowell, Me.
Peavey Mfg. Co. (Hunting), Bangor, Me.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R. (Inc), ("Anchor"), Tucker & James, Phila., Pa.
Potter Mfg Co. (Cast Iron, Shingling, Half-Hatchets, also Ice or Candy), Geneva, O.
Reading Saddle & Mfg. Co. (Household), Reading, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Romer Axe Co. ("Romer," Claw, Half, Broad, Lathing & Shingling, Sportsman's Axe Pattern, etc.), Dunkirk, N. Y.
Rubinow Edge Tool Works, 35 Vesey, Newark, N. J.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith H. D. & Co. ("Perfect Handle"), Plantsville, Conn.
Stover Mfg. & Engine Co. (Cast, Shingling, etc.), Freeport, Ill.
Underhill Bros., 6 Sherman, Charlestown, Boston, Mass.
Weston Thos. B., 708 Light, Baltimore, Md.
What Cheer Tool Co. ("What Cheer," Claw, Spiking, etc.), What Cheer, Iowa
Williams A. C. Co., (Cast Iron Only), Ravenna, O.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wrightsville Hdw. Co. (Claw, Ice, Confectioners, Shingles & Half), Wrightsville, Pa.

## 5969— Hatchets (Candy)

Grammes F & Sons, Allentown, Pa. *See adv index at end of book*
Maag August Co., 509 W Lombard, Baltimore, Md.
Nicol & Co., 218 N Jefferson, Chicago, Ill.

## Hatchets (Lathing)

See Hatchet Mfrs.

## Hatchets (Shingling)

See Hatchet Mfrs.

## 5970— *Hat Brushes

See also Brushes (Hat, Clothes & Hair)
Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq. West, New York *See adv index at end of book*

## Hats (Miners')

See Caps, Miners'

## 5971— Hats (Palm Leaf)

Burnett Geo. B. & Son, 36 W 4th, New York

## 5972— Hauls (Car)

**BARTLETT C. O. & SNOW CO.** (Chain & Cable Hauls), Fall, Cleveland, O. *See adv index at end of book*
Chain Belt Co., Milwaukee, Wis.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Fairmont Mining Machinery Co. (Endless Cable), Fairmont, W. Va.
Helmick Foundry & Machine Co., Fairmont, W. Va.
**JEFFREY MFG. CO.** (Wire Cable or Chain), 961 N Fourth, Columbus, O. *See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

## 5973— Haversacks

Aronoff Joseph J., Trenton, N. J.
Mills Woven Cartridge Belt Co., Worcester, Mass.

## 5974— Hawks (Plasterers')

See also Trowels
Buffum Tool Co. ("Swastika," Aluminum), South Side, Louisiana, Mo.

## 5975— Hawse Reels

**INTERNATIONAL SHIP FITTINGS & SUPPLY CORP.**, 212-214 Fulton, Brooklyn, N. Y. *See adv index at end of book*
Norbom Engineering Co., Denckla bldg, Phila., Pa.
Thacher Propeller & Foundry Corp, Albany, N. Y.

## 5976—Head Chairs (Steel Plate)

Cincinnati Frog & Switch Co., Cincinnati, O. *See adv index at end of book*

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THE CINCINNATI FROG & SWITCH CO.
Cincinnati, Ohio

Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.

## 5977— Headers (Barrel)

**Ames Plow Co., Quincy Hall, Boston, Mass.**
Hyson Tool & Supply Co., 4758 Easton av, St. Louis, Mo.
Swett A. L. Iron Works (Or Barrel Presses), Medina, N. Y.
Tanner D. F., Holland, N. Y.

## 5978— *Headers (Fruit Can)

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 5979— Headers (Grain)

Acme Harvesting Machine Co. ("Hodges & Craver"), Peoria, Ill.
International Harvester Company of America (Inc.,) (Deering-McCormick), Harvester bldg., Chicago, Ill.
Massey-Harris Harvester Co. ("Continental"), Batavia, N. Y.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

## 5979a— Headers-Welded

Ballwood Co., The, 30 Church, New York. *See adv index at end of book*
Walworth Mfg. Co., 798 1st, South Boston, Mass.
Whitlock Coil Pipe Co., Hartford, Conn.

## 5980—Headlights (Acetylene Gas)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
A. G. A. Railway Light & Signals, Elizabeth, N. J.
Dayton Mfg. Co., Dayton, O.
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
MacLeod Co., 2227 Bogen, Cinn., O. *See adv index at end of book*

Valuable for Locomotives where Electric and Oil Lights are not desired or suitable. They have many advantages over both types.
**MACLEOD CO., 2227 Bogen St., Cincinnati, O.**

Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.
Smith of N. Y. Co., 1 Franklin sq., New York
United States Headlight Co., Buffalo, N. Y.

## Headlights (Arc)

See Headlights, Electric Car

## 5981—Headlights (Arc, Electric Mine Locomotive)

Crouse-Hinds Co. ("Imperial"), Syracuse, N. Y.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Ohio Brass Co. & Incandescent for Elec. Railway, Mansfield, O. *See adv index at end of book*
United States Headlight Co., Buffalo, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 5982—Headlights (Automobile)

See also Lamps, Automobile
Corcoran-Victor Co. ("Victor"), Cincinnati, Ohio
Fowler Lamp & Mfg. Co. ("Fowler," Electric & Gas), 59 E 24th, Chicago, Ill.
Hall C. M. Lamp Co. ("Solar") Hancock & Rivard, Detroit, Mich.
Hine-Watt Mfg. Co. ("Columbia" Bicycle & Motorcylcle, etc), 180 N Market, Chicago, Ill.
Prest-O-Lite Co. ("Prest-O-Lite"), Indianapolis, Ind.
S. & M. Lamp Co. ("S. & M."), 118 W 36th, New York.
Southern Railway Supply Co., 17 & Ohio, St. Louis, Mo.
Vesta Accumulator Co. ("Vesta," Electric), 2100 Indiana av, Chicago, Ill.
Wheeler Reflector Co., 156 Pearl, Boston, Mass.

## 5983—Headlights (Electric Car)

See also Headlights, Locomotive

Adams & Westlake Co. (Arc & Incandescent), 319 W Ontario, Chicago, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Crouse-Hinds Co. ("Imperial" Arc & Incandescent), Syracuse, N. Y.
Dayton Mfg. Co. (Arc & Incandescent, "Eureka," "Mosher," "Rex," "Venus," "Wagenhals," "Wellman"), Dayton, O.
Dewey F. O. Co., 28 Canal, Boston, Mass.
Dressel Railway Lamp Works, 3860 Park av, New York
Electric Service Supplies Co. ("Golden Glow"), 17th & Cambria, Phila, Pa.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Neal Electric Headlight Co., Board of Trade bldg, Boston, Mass.
Pyle-National Electric Headlight Co., 500 Throop, Chicago, Ill.
Rochester Headlight Wks. (James H. Kelly, Proprietor), Rochester, N. Y.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Schettler C. A. & Co. (Duplex), 419 Erie bldg, Cleveland, O.
Smitht of N. Y. Co., 1 Franklin sq., New York
Star Headlight & Lantern Co., Rochester, N. Y.
Southern Railway Supply Co., 17th & Ohio, St. Louis, Mo.
Trolley Supply Co. ("Perfect & McLain"), Canton, O.
United States Headlight Co. (Arc & Incandescent), Buffalo, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## Headlights (Incandescent)

See Headlights, Electric Car

## 5984—Headlights (Locomotive)

See also Headlights, Electric Car; also Headlights, Acetylene Gas; also Headlights, Oil
Adams & Westlake Co. (Also Street & Interurban), 319 W Ontario, Chicago, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Buda Co. ("Buda Ross" Electric), Railway Exch. bldg, Chicago, Ill.
Dayton Mfg. Co., Dayton, O.
Dewey F. O. Co., 28 Canal, Boston, Mass.
Dressel Railway Lamp Works, 3860 Park av, New York
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Glazier Mfg. Co. (Electric), Rochester, N. Y.
Handlan-Buck Mfg. Co. (Handlan), 210-14 N 3d, St. Louis, Mo.
Kraushaar Brass Mfg. Co. 919 Pine, St. Louis, Mo.
Loco Light Co., 139 S East, Indianapolis, Ind.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Milburn Alexander Co. (Steam Acetylene Generator), 1429 W Baltimore, Baltimore, Md.
Moon Mfg. Co. (Electric), 122 N Jefferson, Chicago, Ill.
Pyle-National Electric Headlight Co., 500 Throop, Chicago, Ill
Schroeder Headlight & Generator Co. (Electric & Oil), Evansville, Ind.
Sherburne & Co., 53 Oliver, Boston, Mass.
Smith of N. Y. Co., 1 Franklin sq., New York
Star Headlight & Lantern Co., Rochester, N. Y.
United States Headlight Co. (Electric, Gas & Oil), Buffalo, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Electric), East Pittsburgh, Pa.
*See adv index at end of book*

## 5985— Headlights (Oil)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Dayton Mfg. Co., Dayton, O.
Defiance Lantern & Stamping Co. (Kerosene), Rochester, N. Y.
Glazier Mfg. Co., Rochester, N. Y.
MacLeod Co., 2227 Bogen, Cincinati, O.
*See adv index at end of book*
Rochester Headlight Wks. (Jas. H. Kelly, Proprietor), Rochester, N. Y.
Schroeder Headlight & Generator Co. ("Schroeder"), Evansville, Ind.
Smith of N. Y. Co., 1 Franklin sq., New York
Star Headlight & Lantern Co., Rochester, N. Y.
United States Headlight Co., Buffalo, N. Y.

## 5986— Headrods

Economy Separable Switch Point Co. ("Economy," Adjustable for Switch Point, etc.), Louisville, Ky.
Wharton Wm. Jr. & Co. Inc. (Various Standard Styles & "Wharton O'Brien" Insulated Operating & Lock Rods), Easton, Pa.

## 5987— Heads (Boring)

Lawson & Co., Inc. (Square Holes), 416 W 33rd, New York
Marvin & Casler Co, ("Casler," Offset), Canastota, N. Y.
Porter Cable Machine Co. (Adjustable), Syracuse, N. Y.
Precision Tool Co., Lansing, Mich.
Stow Mfg. Co. (Angle) Binghamton, N. Y.
*See adv index at end of book*

## 5988— Heads (Buffing)

Meriden Machine Tool Co., Meriden, Conn.
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
Warren Products Co., 265 B'way, New York *See adv index at end of book*

## 5989— Heads (Casing)

Kane Supply Co. ("Moser"), Kane, Pa.
Oil Well Improvement Co. (Control), Tulsa, Ohio.

## 5990—Heads (Coke Scraper)

Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
**Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.**
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chatean, Pittsburgh, Pa.
Western Tool & Forge Co., Brackenridge, Pa.

## 5991— Heads (Crimping)

**Sigwart & Rolston, 341 2d av, Pittsburgh, Pa.**

## 5992— Heads (Cutter)

American Woodworking Machinery Co., Rochester, N. Y.
Buettner Shelburne Machine Co. ("B. & S"), Terre Haute, Ind.
Fay J. A. & Egan Co., Cincinnati, O.
Huther Bros. Saw Mfg. Co. (for Jointing & Sticking Mouldings on Saw Tables), Rochester, N. Y.
*See adv index at end of book*
Lamson Cutter Head Co., 34 N Jefferson, Chicago, Ill.
Lange Mach. Wks. (Solid Steel), Aurora, Ill.
Mattison C. Machine Works, Rockford, Ill.
Philbrick Cutter Head Co., Seattle, Wash.
Porter C. O. Machinery Co. ("Porter"), Grand Rapids, Mich.
*See adv index at end of book*
Power L. & Co., 20 S 23d, Phila., Pa.
Shimer Samuel J. & Sons (Expansion), Milton, Pa.
Smith Cannery Machine Co., 2423 1st av, Seattle, Wash.
Smith H. B. Machine Co., Smithville, N. J.
Stamm Machine Wks., Aurora, Ind.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Woods S. A. Machine Co. ("The Planers of Wood," Convertible Disc Side), 27 Damrell, Boston, Mass.

## 5993—Heads (Cutter, Mining Machine)

Buettner Shelburne Machine Co. ("B. & S."), Terre Haute, Ind.
Prox Frank Co. (Hardware Steel), Terre Haute, Ind.

## Heads (Cylinder)

See Cylinder & Tank Shells

## 5994— Heads (Dado)

Atkins E. C. & Co., Indianapolis, Ind.
Baldwin, Tuthill & Bolton (Groover or Dado), Grand Rapids, Mich.
**Cocker Saw Mfg. Co. (Groover & Dado), Lockport, N. Y.**
Disston Henry & Sons, Tacony, Phila., Pa.
**Fox Machine Co., Jackson, Mich.**
**HUTHER BROS. SAW MFG. CO.** (Patent Groover or Dado Head), Rochester, N. Y. *See adv index at end of book*
Lamson Cutter Head Co., 34 N Jefferson, Chicago, Ill.
Mattison C. Machine Works, Rockford, Ill.
Ohlen Bishop Co. (Dado or Expansion Head for Groover), 931 Factory, Columbus, O.
**Yates P. B. Machine Co., Beloit, Wis.**

## 5995— Heads (Die)

Eastern Machine Screw Corp. ("H. & G." Self-Opening & Adjustable Screw Cuttting), New Haven, Conn.
Geometric Tool Co. (Self-Opening & Adjustable Screw Cutting, "Geometer" Solid adjustable), New Haven, Conn.
**GREENFIELD TAP & DIE CORP'N** ("Acorn"), Greenfield, Mass.
*See adv index at end of book*
**HERBERT ALFRED LTD.**, 54 Dey, New York *See adv index at end of book*


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Landis Machine Co. (For Pipe Threading), Waynesboro, Pa.
Modern Tool Co. ("Modern" Self-Opening Screw Cutting), 300 State, Erie, Pa.
*See adv index at end of book*
**Murchey Machine & Tool Co. (Automatic), 85 Porter, Detroit, Mich.**
National Acme Mfg. Co. (Automatic), 7500 Stanton av, S. E. Cleveland, O.
Pottstown Machine Co., Pottstown, Pa.
**Scott-Fetzer Machine Co., W 14th & Locust av., Cleveland, O.**

## 5996— Heads (Drilling)

Hoefer Mfg. Co. (Auxiliary), Freeport, Ill.
Lawson & Co., Inc., 416 W 33rd, New York
**NELSON-BLANCK MFG. CO.**, (Adjustable), Dubois & Clay av, Detroit, Mich. *See adv index at end of book*
Sellew Machine Tool Co., Pawtucket, R. I
Spafford Tool Works ("Fortin" Five Spindle), Hartford, Conn.
United States Drill Head Co., 1950 W 6th, Cincinnati, O.

## 5997— Heads (Flanged)

McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Mossberg Frank Co. (Pressed Steel Discs or Heads), Attleboro, Mass.

## 5998— Heads (Golf)

Anchor Saw Mills Co., Memphis, Tenn.
Monel Metal Products Corp. (Monel Metal), Bayonne, N. J.
Page Storms Drop Forge Co. (Drop Forged Steel), Chicopee, Mass.
Spalding A. G. & Bros., 126 Nassau, New York
**WILLIAMS & CO. (INC.)** (Monel Metal), 901-937 Pennsylvania av., N. S., Pittsburgh, Pa.
*See adv index at end of book*
Willingham E. G. (Hardwood), Memphis, Tenn.

## 5999— Heads (Grooving)

Cocker Saw Mfg. Co., Lockport, N. Y.
Lamson Cutter Head Co., 34 N Jefferson, Chicago, Ill.
Redin, Ekstrom & Co., Rockford, Ill.
Redin John E., Rockford, Ill.

### 6000-1—*Heads (Hard Fibre)

Continental Fibre Co. (Baskeite Dilecto for Spark Coils, Spool, etc.), Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (For Spark Coils, Spoons, etc), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*

### 6002—Heads (Index & Dividing)

**Brown & Sharpe Mfg. Co., Providence, R. I.**
**Cincinnati Milling Machine Co., Cincinnati, O.**
Dickow Fred C., 3504 W Lake, Chicago, Ill.
**Fox Machine Co., Jackson, Mich.**
Garvin Machine Co., 147 Varick, New York
Middletown Machine Co., Covington, Ky.
**New Britain Tool & Mfg Co. (Dividing), New Britain, Conn.**
Pratt & Whitney Co., Hartford, Conn.
Simmons Mach. Co., Inc., 987 B'way, Albany, N. Y.
Whiting & Comstock (Dividing), Hartford, Conn.
Willard Press & Tool Co., Cincinnati, O.

### 6003— Heads (Jointer)

**Crescent Machine Co. (Safety), Leetonia, O.**
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Oliver Machinery Co., Grand Rapids, Mich.
Whisler John, Gibson, Ia.

### 6004-5— Heads (Leader)

Greason Mfg. Co. ("Rubispierre's Patent"), 108 W 99th, New York

### 6006— Heads (Piston)

Chester Steel Castings Co., Chester, Pa., & 407 Sansom, Phila., Pa.
Pratt & Letchworth Co., Buffalo, N. Y.

### 6007— Heads (Planer)

Crucible Steel Co. of America (La Belle Steel), Oliver bldg, Pittsburgh, Pa.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Oliver Machinery Co., Grand Rapids, Mich.

### 6008—Heads (Polishing & Grinding)

Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Clizbe Bros. Mfg. Co.,, Plymouth, Ind.
Goodell-Pratt Co. (Also Grinding), Greenfield, Mass.
Smith Winfield H., Buffalo, N. Y.

### 6009—Heads (Power Working)

**Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.**
Humphryes Mfg. Co., Mansfield, O.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.

### 6010— Heads (Shaper)

Crescent Machine Co. (Safety), Leetonia, O.
Oliver Machinery Co., Grand Rapids, Mich.
Redin John E., Rockford, Ill.

### Heads (Stone Boat)

See Fronts, Stone Boat

### 6011— Heads (Trolley Pole)

American Safety Lamp & Mine Supply Co., Scranton, Pa.

### 6012-13— Heads (Turret)

Baker Machine Co., New Bedford, Mass.
**MEISSELBACH-CATUCCI MFG. CO.,** (For Bench & Speed Lathes), 56 Stanton, Newark, N. J. *See adv index at end of book*
Milliken Machine Works (Ball), West Newton, Mass.
Spafford Tool Works ("Fortin" 5 Spindle Drill), Hartford, Conn.

### Hearses

See Ambulances

### 6013a—Heat Resisting Materials

See also Paints (Fire Resisting)

General Ceramics Co. (Clay), 50 Church, New York

### 6013b— *Heat Treated Parts

Bell Co. (The) 1555 Fillmore, av, Buffalo, N Y *See adv index at end of book*

### 6013c—Heat Treating Apparatus

Snead & Co., Jersey City, N. J.
Ludlum Steel Co. (Boxes & Pots), Watervliet, N. Y.

### 6013d—Heat Treating (Steel)

Chicago Metal Treating Co., 4032 N Rockwell, Chicago, Ill.
Conn. Metal Treating Co., Inc., Bridgeport, Conn.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*
**Frasse Peter A. & Co. Inc., 417 Canal, New York. Works, Hartford, Conn.**
Hammond Steel Co., Inc., Syracuse, N. Y.
National Forge & Tool Co., Irvine, Pa.
Snead & Co., Jersey City, N. J.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

### Heaters (Acetylene)

See Stoves, Acetylene

### 6014— Heaters (Air)

Improved Appliance So., 413 Kent av, B'klyn, N. Y.
Mac Leod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Pease R. P. & Co., Buffalo, N. Y.
**POWER SPECIALTY CO.,** 111 B'way, New York *See adv index at end of book*
Schutte & Koerting Co. ("S. & K."), 1251 N 12th, Phila., Pa.
**Worthington Pump & Machinery Corp., 115 B'way, New York** *See adv index at end of book*

### 6015— Heaters (Air Tight)

**Crunden-Martin Mfg. Co. (Sheet Iron),** 2nd & Gratiot, St. Louis, Mo.
Excelsior Stove & Mfg. Co. ("National"), Quincy, Ill.
Geisel A. Mfg. Co. ("Victor" "Ideal"), 219 So 2nd, St. Louis, Mo.
**Kraft A. C. (Wood), 323 W Lake, Chicago, Ill.**
National Enameling & Stamping Co., 411 5th av, New York
Pease P. L. & Co., Buffalo, N. Y.
St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.
Woolwine Metal Products Co., 2421 E 8th, Los Angeles, Cal.

### Heaters (Alcohol)

See Stoves, Alcohol

### 6016—Heaters (Asphalt, Pitch & Tar)

See also Machinery, Asphalt

Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.
**BIEHL IRON WORKS, INC.,** Reading, Pa. *See adv index at end of book*
City Boiler & Machine Co., 939 W 8th, Kansas City, Mo.
Clausse Mfg. Co., 535 5th, Detroit, Mich.
Columbiana Boiler Co., Columbiana, O.
**Connery & Co. ("Nonleakable"), 2d & Luzerne, Phila., Pa.**
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Dover Boiler Works (Tar & Asphalt). Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
East Iron & Machine Co., 351 E Market, Lima, O.
Ell-Kay Mfg. Co., Kansas City, Mo.
Evans F. H., Est. of, 31 Hewes, Brooklyn, N. Y.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Farrar & Trefts, Inc., Buffalo, N. Y. *See adv index at end of book*
**Finch Mfg. Co., Scranton, Pa.**
Hauck Mfg. Co., 105 11th, Brooklyn, N. Y.
**Hvass Chas. & Co., 511 E 18th, New York**
Improved Appliance So., 413 Kent av, B'klyn, N. Y.
Leslie Elliott Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, O.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
**Merrill Process Co., 70 Devonshire, Boston, Mass.**
National Boiler & Sheet Iron Works, Indianapolis, Ind.
Penn Foundry & Mfg. Co., Reading, Pa.
**Phillips, Doup & Co. ("National"),** 60 Pearl, Brooklyn, N. Y.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Smith Samuel & Son Co., Paterson, N. J.
**Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y.** *See adv index at end of book*
Sweeney & Gray Co., 81-85 6th, Long Island City, N. Y. *See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Turl Iron & Car Co., Inc., The, 50 Broad, New York; Works, Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
Warren City Tank & Boiler Co., Warren, O.

### 6017—Heaters (Auto Garage, Gas)

Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Schleit W. A. Mfg. Co., Inc., Syracuse, N. Y.

### 6018—Heaters (Automobile & Carriage)

**CHICAGO FLEXIBLE SHAFT CO.** ("Clark"), 5600 W 12th, Chicago, Ill.
Consolidated Car Heating Co. (For Electric or Gas Driven Automobiles), Albany, N. Y.
Hill Pump Valve Co. ("Utility"), 4001-21 Belmont av, Chicago, Ill.
**Kelly Foundry & Machine Co. ("R. F. D."), Goshen, Ind.**
Metal Specialties Mfg. Co. ("Presto"), (Electric), 338 N Kedzie av, Chicago, Ill.
**Progressive Mercantile & Mfg Co. ("Petty"),** Pana, Ill.
Radiator Footwarmer Co., 107 Tioga, Ithaca, N. Y.
**Rose Mfg. Co. ("Neverout"), 910 Arch, Phila., Pa.**
Suburban Lighting Co. (Engine), Toledo, Ohio
Taplex Corp. (Manifold & Radiator Automobile Only), 87-35th, Brooklyn, N. Y.
Wilson Stove & Mfg. Co., Valley Park, Mo.

### 6019— Heaters (Barrel)

Hynson Tool & Supply Co. ("Champion" Barrel & Keg), 4758 Easton av, St. Louis, Mo.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Jacobs Kenneth W. Co., 1901 St. Paul av, Milwaukee, Wis.
Manistee Iron Works Co., Manistee, Mich.
Oram John S. Co. ("Champion"), 1316 E 53rd, Cleveland, O.
Warsaw Elevator Co., Warsaw, N. Y.

### Heaters (Bath)

See Heaters, Water, Bath or Tank

### 6020— Heaters (Car, Coal)

Consolidated Car Heating Co. (Direct Steam & Hot Water), Albany, N. Y.
Cooper Heater Co. (Hot Water), Carlisle, Pa.
Fuller-Warren Co., 32d & Wright, Wilwaukee, Wis.
Smith Peter Heater Co. (Hot Water) 1843 Mt. Elliott, Detroit, Mich.
**Spears Jas. Stove &Heating Co., 1823 Market, Phila., Pa., New York & Providence, R. I.**
Vapor Car Heating Co. (Emergency Coal Stove), 1450 Railway Ex, Chicago, Ill.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.

### Heaters (Car, Electric)

See Heaters, Electric Car

### 6021-2—Heaters (Car, Vapor System)

Gold Car, Heating & Lighting Co., 17 Battery pl, New York

HEATERS (CAR, VAPOR SYSTEM)—continued

Ruud Mfg. Co., 29th & Smaliman, Pittsburgh, Pa.
**Vapor Car Heating Co., 1450 Railway Ex. Chicago, Ill.**

## 6023—Heaters (Combination)

Barber Mfg. Co. (Hot Water & Hot Air), Ashtabula, O
Barstow Stove Co. ("Barstow," "Bay State"), 116 Point, Providence, R. I.
Belleville Stove & Range Co. (Laundry Stove & Water Heater), Belleville, Ill.
Boynton Furnace Co. ("Boynton"), 106 W 37th, New York
Cox Abram Stove Co., cor American & Dauphin, Phila., Pa.
Earley Wm. (Hot Air, Hot Water & Steam), 1216 Ridge av, Phila., Pa.
Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.
Fuller & Warren Co., Troy, N. Y.
Giblin & Co., Utica, N. Y.
Hart & Crouse Co., Utica, N. Y.
Henderson Frank, Troy, N. Y
**Hertig Furnace Co. ("Kohler"), 1342 Columbus av, Boston, Mass.**
International Heater Co. ("Pease Economy," "International Economy"), Utica, N. Y
**Keeley Stove Co. ("Columbian"), Columbia, Pa.**
Keith Furnace Co. ("Keith"), Des Moines, Ia.
Magee Furnace Co., 38 Union, Boston, Mass
**Makin Heating Co., 1827 Filbert, Phila., Pa.**
March-Brownback Stove Co., Pottstown, Pa.
Monroe Foundry & Furnace Co., Monroe, Mich.
Mott J. L. Iron Works (Hot Air & Hot Water), Trenton, N. J.
Mueller L. J. Furnace Co., Milwaukee, Wis.
Peninsular Stove Co. (Hot Air & Hot Water), Detroit, Mich.
Portland Stove Foundry Co., Portland, Me.
Quaker Mfg. Co (Hot Air & Hot Water), 180 N Dearborn, Chicago, Ill.
Sheppard Isaac A. Co. ("Paragon"), Land Title bldg, Phila., Pa.
**Southard-Robertson Co. (Laundry Stove & Hot Water), Peekskill, N. Y.**
Stamford Foundry Co. (Hot Air & Hot Water), Stamford, Conn.
Taplin, Rice, Clerkin Co., Akron, O.
Utica Heater Co., Utica, N. Y.
**Walker & Pratt Mfg. Co., 31 Union, Boston, Mass.**

## 6024—Heaters (Curling Iron)

**Houchin Thos. W. Co., 36 E 12th, New York**
Nicol & Co. ("Aetna" Gas), 218 N Jefferson, Chicago, Ill.

## 6025— Heaters (Electric)

Adams Bros. Mfg. Co., Fayette & Chartiers, Pittsburgh, Pa.
American Electrical Heater Co. ("American" for Cooking, Heating, etc), Burroughs & Woodward, Detroit, Mich.
Consolidated Car Heating Co. (House & **Office), Albany, N. Y.**
Copeman Electric Stove Co., Flint, Mich.
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**Edison Elec. Appliance Co., Inc. (Hotpoint** Div.), 5600 W Taylor, Chicago, Ill
**Federal Electric Welder Co. (Welding),** Warren, O.
**Fox Electrical Corp., 119 W 42nd, New** York
**GENERAL ELECTRIC CO.** (Industrial Only), Schenectady, N. Y.
*See adv index at end of book*
Hughes Electric Heating Co. ("Hughes" **Stoves & Ranges), 5660 W Taylor, Chicago, Ill.**
Landers, Frary & Clark, New Britain, Conn.
Loetscher-Ryan Mfg. Co. (Water), Dubuque, Ia.
Majestic Elec. Development Co., O'Farrell, San Francisco, Cal.
Manning, Bowman & Co. (Cooking Utensils), Meriden, Conn.
Nagel W. G. Elec. Co. ("Fisk"), Toledo, O.
Prometheus Electric Co., 511 W 42nd, New York
Redtop Elec. Co., 8 W 19th, New York
Russell Electric Co. ("Hold Heet") Engine, Radiator & Immersion), 140 W Austin, Chicago, Ill.
Schaar & Co. ("Hexagon"), 556 W Jackson blvd., Chicago, Ill.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Sterling, Electrical Corp., 2711 Church, Cleveland, O.
Thomson Electric Welding Co. ("Thomson" Rivet), Lynn, Mass.
**Vulcan Electric Heating Co., 107 W 13th, New York**
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburg, Pa.
*See adv index at end of book*

## 6026—Heaters (Electric Car)

Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Consolidated Car Heating Co., Albany, N. Y.
Gold Car Heating & Lighting Co., 17 Battery pl, New York
Russell Electric Co. ('Hold Heet"), 140 W Austin, Chicago, Ill.

## 6026a—Heaters (Electric, Rivet)

See Also Furnaces (Rivet Heating)

American Car & Foundry Co. ("Berwick"), Syndicate Trust bldg, St. Louis, Mo.
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.

## 6027— Heaters (Exhaust)

Fabricated Steel Products Corp. (Special), Box 505, Leetonia, O.
*See adv index at end of book*
Western Drop Forge Co., P. O. Box 386, Marion, Ind.

## 6028—Heaters (Feed Water)

See also Purifiers, Feed Water

Alberger Heater Co. ("Alberger" Multi-Head), Buffalo, N. Y.
**ALBERGER PUMP & CONDENSER CO.** ("Wainwright"), 140 Cedar, New York
Allen Wm. Sons Co. ("Victor," "Excelsior"), Worcester, Mass.
Bass Foundry & Machine Co., Fort Wayne, Ind.
Bates Machine Co. ("Cookson"), Joliet, Ill.
Berry Engineering Co., Chester, Pa.
**Brennan John & Co., 24th & M C R R, Detroit, Mich.**
Bridgeport Boiler Works Co. ("Lowe"), Bridgeport, Conn.
Brownell Co. (Standard & Improved), Dayton, Ohio
**Bulkley Henry W., Orange, N. J.**
Casey-Hedges Co., Chattanooga, Tenn.
Catchpole Boiler, Foundry & Machine Co., Geneva, N. Y.
Central Boiler Works, 1297 Russell, Detroit, Mich.
Cole R. D. Mfg. Co., Newnan, Ga.
Colles Heater & Specialty Co., 14 E Jackson blvd, Chicago, Ill.
Connor W. B., Inc., 90 West, New York
Cox & Sons Co., Bridgeton, N. J.
Elliott B. K. L. Co. ("Pittsburgh," Heater & Purifier), 126 6th, Pittsburgh, Pa. *See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
Frost Mfg. Co. ("Frost Standard" & "Standard"), Galesburg, Ill.
Garrett W. D. & Co. ("Garrett" Heater & Oil Separator), 126 Liberty, New York
Gem City Boiler Co., 331 Leo, Dayton, O.
**GODFREY-KEELER CO.,** 70 Warren, New York *See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Graves & Marshall Co., Dayton, O.
Great Lakes Engineering Works (Heaters & Purifiers), Real Est. Exch. bldg, Detroit, Mich.
Green Fuel Economizer Co., Beacon, N. Y.
**GRISCOM-RUSSELL CO.** ("Reilly" Closed Type, Marine & Stationary; "Goubert" Multiples, Closed Type; Russell Storage "Massillon," Open Type), 92 West, New York
*See adv index at end of book*


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**HARRISBURG PIPE & PIPE BENDING CO.,** Hess nr. 10th, Harrisburg, Pa.
Harris Arthur & Co. ("Harris" Coil Heater), 212 N Curtis, Chicago, Ill.
*See adv index at end of book*
Harrison Safety Boiler Works ("Cockrane"), 3147 N 17th, Phila., Pa.
Hartwell Iron Works, Houston, Tex.
Hoppes Mfg. Co., Springfield, O.
**Horstmann F. W. Co., Irvington, N. J.**
Hussey, McCann & Co. (Compound Flue), 87 Warren, New York
Jackson & Church Co., Saginaw, Mich.
Jacobs Charles & Co. ("Jacobs" Water Tube), 258 Franklin, Boston, Mass.
Jarvis Engine & Machine Works ("Monitor"), Lansing, Mich.
Keeler E. Co., Williamsport, Pa.
**Kellogg M. W. Co., 90 West, New York**
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Kroeschell Bros. Co. ("Kroeschell," "Bourgeois," Heaters & Purifiers), 440 W Erie, Chicago, Ill.
Linton Machine Co., 26 Cortlandt, New York
Milwaukee Reliance Boiler Works ("Perfection" Heater & Purifier), 1102 32d, Milwaukee, Wis.
Murray Iron Works Co. (Open & Closed Types), Central av & Washington, Burlington, Ia.
Nason Mfg. Co. 71 Fulton, New York
National Pipe Bending Co. ("National"), New Haven, Conn.
O'Brien Jno. Boiler Works Co., ("Weaver"), 11th & Mullanphy, St. Louis, Mo.
Open Coil Heater & Purifier Co. ("Stickle" Heater & Purifier), Indianapolis, Ind.
Patterson-Kelley Co. ("Patterson," "Standard," "Berryman"), 26 Cortlandt, New York
Phaeton Heater Co., Peekskill, N. Y.
Phoenix Iron Works Co. ("Munn"), Meadville, Pa.
Platt Iron Works Co. ("Stillwell" Open & Closed), Dayton, O.
Power Plant Specialty Co. ("Vater" Open), Monadnock blk, Chicago, Ill.
Pratt & Cady Co., Inc. ("Berryman," "Gleaner" & "Hartford"), Hartford, Conn.
Ross Heater & Mfg. Co., Inc., Mutual Life bldg, Buffalo, N. Y.
Ross Mfg. Co., Northville, Mich.


When writing to firms whose names appear in this book please mention
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*See adv index at end of book*


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**Schutte & Koerting Co. ("S. & K." Film), 1251 N 12th, Phila., Pa.**
Sharkey & Peck, 2433 W 18th, Chicago, Ill.
Sims Co. ("Sims" Tubular or Closed & Open Feed Water Heaters & Purifiers), 18th & Whitley av, Erie, Pa.
**Standard Steam Specialty Co. ("Utility"), 542 W B'way, New York**
Standard Water Systems Co. ("Tripure" Multicoil Type), Hampton, N. J.
Stewart Heater Co. (Open & Tubular; also "The Otis"), N. Tonawanda, N. Y.
**Union Iron Works Co., 20th & Michigan, San Francisco, Cal.**
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Webster Warren & Co., Camden, N. J.
Weld Geo. A. Co., 79 Milk, Boston, Mass.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wetherill Robt. & Co., Chester, Pa.
**Wheeler C. H. Mfg. Co. (Closed), Lehigh & N 18th, Phila., Pa.**
**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler"), Carteret, N. J.
*See adv index at end of book*
Whitlock Coil Pipe Co. ("American Standard," "Berryman"), Hartford, Conn.
Wickes Boiler Co., Saginaw, Mich.
Williams Tool Co. (Transverse Current), Erie, Pa.
Worthington Pump & Machinery Corp. (Open & Closed), 115 B'way, New York
*See adv index at end of book*

## 6029— Heaters (Fire Place)

Backus Heater & Fdry. Co., Inc. ("Backus" Open Fireplace), 63 Canal, Boston, Mass.
**Bartlett Hayward Co. ("Grand Domestic," "Windsor," "Gem," "Magic," "Severn," "Chelsea," "Linden," "Monarch," "Prize," "Victor Grand"), Scott & McHenry, Baltimore, Md.**
Bibb B. C. Stove Co. (("Guilford", "Arundel", "Washington No. 2", "Radiant No. 2", "Grand Diamond No. 2"), 109 Light, Baltimore, Md.
Brooks Burner Stove Co., Ardmore, Okla.
Century Stove & Mfg. Co. (Gas), Johnstown, Pa.
Heitland Grate & Mantel Co. (Hot Water), Quincy, Ill.
**Reading Stove Works (Orr, Painter & Co.) ("Sunshine"), Reading, Pa.**
Reliable Stove Co. ("Reliable"), 1787 E 40th, Cleveland, O.
**Richardson & Boynton Co. ("Perfect"), 31 W 31st, New York**
Sanitary Heating Co. ("Grand Solar" Gas Enclosed), 233 37th, Brooklyn, N. Y.
**Sexton S. B. Stove & Mfg. Co., 500 Block W Conway, Baltimore, Md.**
Sheppard, Isaac A. Co., Land Title bldg, Phila., Pa.
**Spear James Stove & Heating Co., 1823 Market, Phila., Pa.**
Superior Mfg. Co. (For Natural or Artificial Gas), Magnolia, Pittsburgh, Pa.
Union Stove Works ("Astor Franklin"), 70 Beekman, New York

## 6029a—Heaters-Flask (Laboratory)

Eimer & Amend, 205 3rd av, New York

## 6030— Heaters (Fuel Oil)

Anthony Co., 9 Jackson av, Long Island City *See adv index at end of book*
Dover Boiler Works, Sales Office, 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
**GRISCOM-RUSSELL CO.**, 92 West, New York. *See adv index at end of book*


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Design prevents any possible leakage of oil into condensed steam.

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Kraft A. C., 323 W Lake, Chicago, Ill.
Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.
**POWER SPECIALTY CO.**, 111 B'way, New York *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
**Row & Davis Engineers, Inc., 90 West, New York.** *See adv index at end of book*
**Schutte & Koerting Co. ("S. & K." Film), 1251 N 12th, Phila., Pa.**

## 6031— Heaters (Gas)

**See also Stoves & Heaters & Ranges, Gas**
Backus Heater & Fdry. Co., Inc. ("Backus"), 63 Canal, Boston, Mass.
Brooks Burner Stove Co., Ardmore, Okla.
Brown & Sharpe Mfg. Co. Providence, R. I.
Burnoon Heater Co., Chattanooga, Tenn.
Calkins & Pearce ("Rex"), 751 E Long, Columbus, O.
**General Gas Appliance Co., 103 Park av, New York**
**Hydro Heater Co., Oliver bldg, Pittsburgh, Pa.**
Oliver Oil-Gas Burner & Mach. Co., 1313 N 7th, St. Louis, Mo.
**Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.**
Penn Burner & Plating Co., Inc, 214 W Ohio, N. S., Pittsburgh, Pa.
Phaeton Heater Co., Peekskill, N. Y.
Power Specialty Co., 111 B'way, New York *See adv index at end of book*
Reliable Stove Co. Division of Am. Stove Co. ("Hot Spot"), 1787 E 40th, Cleveland, O.
Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.
**STARRETT L. S. CO. (THE)**, Athol, Mass. *See adv index at end of book*
Thermophore Mfg. Co., Kalamazoo, Mich
Wolf Mfg. Co., 255 N Hogue av, Chicago, Ill.

## 6032—Heaters (Gas, for Tailors' Irons)

Clark Geo. M. & Co. ("Clark Jewel"), 179 N Michigan av, Chicago, Ill.
**Weiskittel A. & Son Co. ("Fire King"), 12th & E Lombard, Baltimore, Md.**

## 6032a—Heaters (Gas Holders)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 6033— Heaters (Gas Jet)

Kohler Die & Specialty Co. ("Kost" Jet & Floor), De Kalb, Ill.
Lewis Heating & Lighting Co., 696 E 161st, New York
Ohio State Stove Co. ("Kumfy"), Columbus, O.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Woods-Sherwood Co. ("Sherwood's" Wire), Worcester, Mass.

## 6034—Heaters (Gas, Steam & Hot Water, Radiation)

American Blower Co. (Steam & Hot Water Only), 1400 Russell, Detroit, Mich.
Bastian-Morley Co. ("Superior" Gas & Gasoline, Range Boiler), La Porte, Ind.
Bryant Heater & Mfg. Co. ("Bryant" Gas), 952 E 72d, Cleveland, O.
Gurney Heater Mfg. Co., Franklin & Pearl, Boston, Mass.
Hoffman Heater Co., Lorain, O.
**Kronquest August C. ("Maywood"), Maywood, Ill.**
Miller, Wm. Range & Furnace Co., 125 E. 5th, Cincinnati, O.
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
**SIMMONS JOHN CO.**, 100 Centre, New York *See adv index at end of book*
Smith H. B. Co. ("Smith" for Steam & Hot Water Only), Westfield, Mass.
**Stevenson Edward S. ("Dewey"), New Castle, Pa.**

## 6035— Heaters (Glue)

American Electrical Heater Co. (Electric), Detroit, Mich.
Cincinnati Glue Heater Co., Cincinnati, O.
Dart E. M. Mfg. Co. ("Dart"), 134 Thimbers av, Providence, R. I.
***See adv index at end of book***
Eclipse Fuel Engineering Co. ("Eclipse"), 100 Forbes, Rockford, Ill.
Electric Heating & Mfg. Co., Westlake & Republican, Seattle, Wash.
Francis Chas. E. Co., Rushville, Ind.
**GENERAL ELECTRIC CO.** (Electric), Schenectady, N. Y.
*See adv index at end of book*
**Hickok W. O. Mfg. Co. (Bookbinders'), Harrisburg, Pa.**
Instantaneous Glue Converter Co., 3752 Montgomery & Norwood, Cincinnati, O.
**Koven L. O. & Bro. (Electric & Pot), 154 Ogden av, Jersey City, N. J.**
*See adv index at end of book*
**Kraft A. C., 323 W Lake, Chicago, Ill.**
Nason Mfg. Co. (Steam & Gas), 71 Fulton, New York
Pancoast Henry B. Co. (Steam), 950 N Front, Phila., Pa.
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
**Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.**
Stuart & Peterson Co. (Steam), Burlington, N. J.
Towsley Jno. T. Mfg. Co. (Steam), Cincinnati, O.
Weatherly Co. (Steam), Grand Rapids, Mich.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Electric), East Pittsburgh, Pa.
*See adv index at end of book*

## Heaters (Gravel)

See Sand & Gravel Heaters & Dryers

## Heaters (Hot Water)

See Heaters, Steam & Hot Water

## 6036—Heaters (Incubator & Brooder)

Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Treman, King & Co. (Brooders Only), Ithaca, N. Y.

## Heaters (Juice)

See Heaters, Sugar Juice

## 6037— Heaters (Ladle)

Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Monarch Engng. & Mfg. Co. ("Monarch Bell"), American bldg, Baltimore, Md.
Tropenas Co., 2243 Nostrand av, Brooklyn, N. Y.

## 6037a—Heaters (Lamp Chimney)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Excelsior Stove & Mfg. Co., Quincy, Ill.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Wickwire Spencer Steel Corp. ("Natwire" Wire), Worcester, Mass.
*See adv index at end of book*

HEATERS (LAMP CHIMNEY)—continued

Woods-Sherwood Co. (Wire), Worcester, Mass.
Wrightville Hardware Co. ("Gem"), Wrightville, Pa.

## 6038—Heaters (Laundry Water)

Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.
Sims Co. ("Sims" Clean Easy, Circulating), 18th & Whitley av, Erie, Pa.

## Heaters (Locomotive Tire)

See Furnaces, Tire Heating

## 6038a—Heaters (Marine, Hot Water)

Griscom-Russell Co., 92 West, New York
*See adv index at end of book*
Sturtevant F. B. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

## 6038b— Heaters (Metering)

Harrison Safety Boiler Works, 3147 N 17th, Phila., Pa.

## 6038c— Heaters (Milk)

Burrell D. H. & Co. ("B & W"), Little Falls, N. Y.

## 6038d— Heaters (Noiseless)

Schutte & Koerting Co. (By Direct Steam), 1251 N 12th, Phila., Pa.

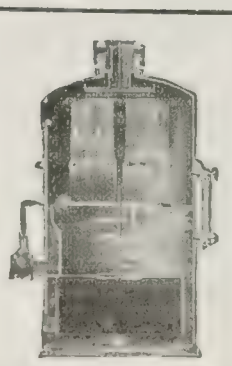
## Heaters (Oil)

See Stoves & Heaters, Oil

## 6038e—Heaters (Open Feed Water)

Griscom Russell Co., 92 West, New York
*See adv index at end of book*


MASSILLON OPEN HEATER



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Gammes F & Sons, Allentown, Pa.

## 6039—Heaters or Cookers (Meal)

Buckeye Iron & Brass Works, Dayton, O.

## 6040— Heaters (Orchard)

**AMERICAN CAN CO.**, 120 Broadway, New York. *See adv index at end of book*
National Enameling & Stamping Co., 411 5th av, New York.
Riverside Mfg. Co., Riverside, Cal.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 6041—Heaters (Refrigerator Car)

Klauer Mfg. Co., Dubuque, Ia.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.

## 6042— Heaters (Sad Iron)

Adams Co. ("Adams"), Dubuque, Ia.
**Chattanooga Implement & Mfg. Co.**, Chattanooga, Tenn.
Fanner Mfg. Co. ("Arctic"), Cleveland, Ohio
Jewett & Company ("Lawrence"), Buffalo, N. Y.
Kemp C. M. Mfg. Co. ("Climax" Automatic), 405 E Oliver, Baltimore, Md.
Odin Stove Mfg. Co., Erie, Pa.
Reliable Stove Co. ("Reliable"), 1787 E 40th, Cleveland, O.
**Sager Lock Co., North, Chicago, Ill.**
Sentinel Mfg. Co., New Haven, Conn.
Waterman Henry & Bro. (Gas), 195 Lewis, New York
Williams A. C. Co., Ravenna, O.

## 6042a—Heaters (School Room)

Haynes Langenberg Mfg. Co., 4045-57 Forest Park blvd, St. Louis, Mo.
International Heater Co. ("International"), Utica, N. Y.
Smith System Heating Co., 821 Washington av, S E Minneapolis, Minn.
Virginia School Supply Co., 2000 Marshall, Richmond, Va.

## 6043—Heaters (Soldering Iron)

American Electrical Heater Co. (Electric), Burroughs & Woodward, Detroit, Mich.
**American Gas Furnace Co., 24 John, New York**
Best W. N., Inc., 11 B'way, New York
Bickelhaupt Geo. Skylight Works ("G. B."), 722 1th av, New York
Bryant Heater & Mfg. Co. ("Bryant" Gas), 952 E 72d, Cleveland, O.
Chicago Flexible Shaft Co. ("Stewart" Gas or Oil Blast), 5600 W 12th, Chicago, Ill.
Crane Wm. M. Co. ("Vulcan" Gas), 16 W 32d, New York
General Electric Co. (Electric), Schenectady, N. Y. *See adv index at end of book*
Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.
**QUADRIGA MFG. & SPECIALTY CO.**, ("Qaudriga"), 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Sentinel Mfg. Co., New Haven, Conn.
Strong, Carlisle & Hammond Co. ("Frankfort"), 336-344 Frankfort av, N W, Cleveland, O.
Waterman Henry & Bro. (Gas), 195 Lewis, New York
Weiskittel A & Son Co ("Fire King" Gas), 12th & E Lombard, Baltimore, Md.

## 6044—Heaters (Steam Tube)

Sims & Co. ("Sims"), 18th & Whitley av, Erie, Pa.

## 6045-6—Heaters (Steam & Hot Water)

Firms that manufacture Hot Water Heaters only are designated thus (Hot Water) between name and address.
See also Heaters, Steam & Hot Water Trade Names; also Heating Contractors, Steam & Hot Water; also Steam Fitters' Supplies

### CALIFORNIA.

LOS ANGELES—Rotary Mfg. Co., 1526 Santa Fe av
Stephens Mfg. Co., 1119 Markstrong bldg
SAN FRANCISCO—Diamond Elec. Water Heater Co., Kohl bldg
Royal Heating Co., 280 Minna

### CONNECTICUT.

HARTFORD—Whitlock Coil Pipe Co. ("American," Hot Water)
NEW HAVEN—Foskett & Bishop Co.
National Bending Co. ("National" Hot Water)
NEW LONDON—Hopson & Chapin Mfg. Co. ("Caloric," "Hopson" "Monogram," "Pequot," Hot Water also Sectional)
NEW MILFORD—New Milford Foundry & Machine Co. ("Unique")
NORWALK—Meeker's Union Foundry Corp.
NORWICH—Young John T. Boiler Co. ("Norwich")
PUTNAM—Putnam Foundry & Machine Co. ("Plummer," "Putnam")

### FLORIDA.

JACKSONVILLE—Murphy, Timothy Iron Works

### ILLINOIS.

CHICAGO—American Radiator Co. ("Ideal," "Vento"), 830 S Michigan av
Beaver Electric Constr. Co., 560 W Monroe
Bender John F. ("Peerless" Kitchen Boilers), 6 W Lake
**Clow Jas. B. & Sons, Franklin & Harrison**
Ettinger J. M., 70 W Lake
Hardin Lavin Co. (Cut-to-fit), 4543 Cottage Grove av
**Herbert Boiler Co. ("Herbert," "Junior"), 140 Root**
**Illinois Malleable Iron Co. ("Illinois," "Imico"), 1801 Diversey blvd**
International Heater Co. (of Utica, N. Y.), 1933 Wentworth av
**Kellogg-Mackay Co. ("K. M. C.," "Klymax"), 403 W 18th**
Kewanee Boiler Co., 328 W Washington
Kroeschell Bros. Co. (Steel Plate Greenhouse Boilers), 440 W Erie
Londelius C. A. & Sons Co., 847 W 63rd
Newport Boiler Co., 105 S Dearborn
Peerless Boiler Co., 6-8 Lake
Reynolds B. F. & Co. (Combination Warm Air & Hot Water), 414 N Dearborn
Smith V. A. Co., 213 W Lake
Vapor Car Heating Co. (Hot Water), 1450 Railway ex
**Wilks S. Mfg. Co. ("Wilks" Hot Water), 3517 Shields av**
GALVA—Galva Heater Co. ("Galva," "Mulford")
**Hayes Pump & Planter Co. ("Dack" Hot Water)**
GIBSON CITY—Gibson Iron Works
KEWANEE—Kewanee Boiler Co. ("Centur," "Great Northern," "Haxtun," "Kewanee," "Kewanee Fire Box")
**Peters Pump Co. ("Gunther's" Hot Water)**
ROCKFORD—American Heating & Supply Co.

### INDIANA.

EVANSVILLE — Grote F. Mfg. Co. ("Grote" Sectional)
INDIANAPOLIS — Shirley Radiator & **Foundry Co. ("Shirley")**
KOKOMO—Cole, Howard & Co.
**TERRE HAUTE—Prox Frank Co. ("Economic," "Hy Duty Economic," Radium")**
WARSAW—Maish Mfg. Co.

### IOWA.

BURLINGTON—Murray Iron Works Co., Central av & Washington
DES MOINES—McDonnell Boiler & Iron **Works ("The Life")**
OSKALOOSA—Interstate Mfg. Co. ("Marvel")
**Seevers Mfg. Co. ("Iowa," "Seevers")**
RED OAK—Kerrihard Co. (Hot Water)
WATERLOO — Waterloo Steam Boiler Works.

### MAINE.

PORTLAND—Portland Stove Foundry Co. (Hot Water)

### MARYLAND.

BALTIMORE—Bitt B. C. Stove Co. (Stoves & Ranges), Light, Lombard & Balderson
Greenmount Iron & Mfg. Co., 889 Greenmount av
**Sheppard Isaac A. & Co., Eastern av & Chester**
**Wood W. E. Co., 18 N Howard**
HAGERSTOWN—New York Central Iron Works Co., Inc. ("Dunning")

### MASSACHUSETTS.

BOSTON—Backus Heater & Foundry Co. ("Backus"), 63 Canal, Boston, Mass.
Folsom R. L., 235 Congress
Gurney Heater Mfg. Co. ("Bright Idea," "Essex," "400 Series," "Gothic," "Gurney," "Jacket," "Lenox," "900 Series"), 188 Franklin

Lord & Burnham Co. (Hot Water, Greenhouse), Little bldg
**Magee Furnace Co. ("Magee"), 38 Union**
**Pierce, Butler & Pierce Mfg. Co., 63 Federal**
**Smith & Anthony Co. ("Hub"), 52 Union**
**Walker & Pratt Mfg. Co. ("Crawford," "Walker"), 31 Union**
**GARDNER—Royal Steam Heater Co. ("Royal")**
HOLYOKE—Holyoke Heater Co. ("Holyoke")
LYNN—Dame Melvin A. & Son Co.
Morgan J. F. & Son
Pender R. T.
Reardon Bros. & Co.
Ryan Geo. E.
Thompson & Libby
**METHUEN—Sanborn Furnace Co. ("Sanborn")**
SPRINGFIELD—Cave Welding & Mfg. Co. ("Weldco"), 32 Liberty
Demarest Heater Co.
TAUNTON—Weir Stove Co.
White-Warner Co.
WATERTOWN—Walker & Pratt Mfg. Co.
WESTFIELD—Smith H. B. Co. ("Cottage," "Gold X. L. Sectional," "Homestead," "Menlo," "Mercer," "Mills," "Smith")
**WORCESTER—Allen Wm. Sons Co. ("Allen")**
Stewart Boiler Works

## MICHIGAN.

DETROIT—Brennan John & Co., 24th & **M. C. R. R.**
Detroit Heating & Lighting Co. ("Bolton" Hot Water Heater) **Lieb** & Wight
Smith Peter Heater Co., 1843 Mt. Elliott
**United States Radiator Corp. ("Capitol," "Capitol Winchester,")** 133 E Grand River av
MONROE—Monroe Foundry & Furnace Co. **("Floral," Steam & Hot Water)**

## MINNESOTA.

HOPKINS—Moran Boiler Co. ("Moran"), 2529 University av
MINNEAPOLIS—Andrews Heating Co., ("Andrews" Steel)
**Roberts-Hamilton Co. ("Robaco," "Storm King"), 413 S 4th**
Waterman-Waterbury Co. (Boilers), 1121 Jackson, N. E.
ST. PAUL—South Park Foundry & Machine Co. (Hot Water)

## MISSOURI.

**KANSAS CITY—Prest Heating & Foundry Co.**
**ST. LOUIS—Universal Heater Mfg. Co.,** 1000-1002 Vanderventer av

## NEW JERSEY.

BARTLEY—Bartley R. C. Co. ("Our **Favorite")**
**Bartley Wm. & Sons ("Acme")**
BRIDGETON—Cox & Sons Co.
ELIZABETH—Heating Supply & Repair Co. ("Uprite")
HACKETTSTOWN—**Torrid Heater Co.**
NEWARK — Birdsall W. A. & Co. ("Cripps," "Prudential"), **44 Mechanic (Works: Collegeville, Pa.),**
**Drake W. H. Co. ("Gem Torrid," "Giant Torrid," "Royal Torrid," "Torrid"), 36 Clinton**
Thatcher Furnace Co., 36 St. Francis
**PATERSON—Columbia Heater Co. ("Columbia," "Hennings")**

## NEW YORK.

ALBANY—Bates Edw. P. (of Syracuse, N. Y.)
**Hunter James, Heating & Contracting Co. ("Hunters")**
BUFFALO—Case W. A. & Sons Mfg. Co. **("Buffalo," "Supreme")**
GENEVA—Catchpole Boiler Foundry & Machine Co. ("Catchpole")
Vance Jas. R. ("Columbia," **"Vance")**
HOOSICK FALLS—Dorr C. M. Co.
IRVINGTON—Lord & Burnham Co. (Hot Water)
NEWBURGH — Chadburn Economy Co., Savings Bank bldg

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—O. K. Water Heater Mfg. Co., 2196 Pitkin av
Roys Steam Co., 913 Gates av
**Scollay Jno. A. (Est. of) ("Invincible," "Scollay"), 74 Myrtle av**
Wilson & Roake, 107 Hancock

### Boroughs of Manhattan and Bronx.

**NEW YORK—Baker, Smith & Co. ("Baker,** Smith & Co's"), 576 Greenwich
Boynton Furnace Co. ("Square Pot", "Boynton"), 106 W 37th
**GODFREY-KEELER CO., 70 Warren**
*See adv index at end of book*
Gold Car Heating & Lighting Co., 17 Battery pl
Gorton & Lidgerwood Co. (Self-Feeding), 96 Liberty
Graff Furnace Co., 61 Wooster
**GRISCOM-RUSSELL CO. ("Goubert," "Massillon," "Reilly," "Russell"), 92 West**
*See adv index at end of book*
Hitchings & Co. (Hot Water), 1170 B'way
**Hudson Boiler Mfg. Co. ("Hudson"), 359 W 42d**
**Lord & Burnham Co. ("Burnham" Hot Water), 30 E 42d**
Mackay Mfg. Co. ("Manhattan") 234 Water
Molby Boiler Co., 101 Park av
Nason Mfg. Co., 71 Fulton
**Page Wm. H. Boiler Co. ("Monarch," "Page Sectional," "Volunteer"),** 141 W 36th
Patterson-Kelley Co. ("Patterson"), 26 Cortlandt
**Phelps Bros. Co. ("Phelps," "Remington"),** 101 Beekman
**PIERCE BUTLER & PIERCE MFG. CORP. ("American," "Giant," "Improved Giant," "Modern," "Pebco," "Pierce Down Draft," "Spence"),** 437 E 162nd
**Richardson & Boynton Co. ("Richardson," "Perfect"), 31 W 31st**
**Richmond Radiator Co. ("Richmond"), 1480 B'way**
Rutzler Enoch Co. ("Nonpareil"), 404 E 49th
Surrell Down Draft Boiler Co. ("Surrell"), 101 Park av
Thatcher Furnace Co. ("Champion," "Geyser," "Higrade," "Lender," "Progress"), 135 W 35th
Wilson & Roake, 261 Front

**(End of New York City)**

NORTH TONAWANDA—Niagara Radiator & Boiler Co. (Cast Iron Boilers)
Steward Heater Co. (Exhaust or Live Steam)
ORWELL—Olmstead A. E.
PORT CHESTER—Abendroth Bros. ("York" and "Gem")
**ROCHESTER—Electric Boiler Co. ("Electric," Hot Water)**
Sloan Samuel & Co. ("X-Ray" & "Sanco" Boilers)
SYRACUSE—Bates Edw. P. Co. ("Bates")
Kelsey Heating Co., Inc.
**Syracuse Heater Co. ("Syracuse")**
TROY—Aird-Don Co. ("Trojan")
Fuller & Warren Co. (Hot Water Only)
UTICA—Giblin & Co. ("Standard")
Hart & Crouse Co. ("Royal")
**International Heater Co. ("International Economy"**
**Utica Heater Co. ("Auburn," "Imperial," "Superior")**

## OHIO.

AKRON—XXth Century Heating & Ventilating Co. ("XXth Century")
CANTON—McLain J. H. Co. ("Weil-McLain" Scientific Combustion)
CINCINNATI—Hammond Heating Co., 130 E Pearl
Specialty Device Co., 106 W 3rd
**U. S. Heating & Plumbing Co. ("Duplex Crown"), 744 W Court**
Williamson Foundry Co. ("Williamson" Underfeed Boilers), Marburg av, Oakley
CLEVELAND—Bacon Heater Mfg. Co., 2622 Franklin av
Cleveland Metal Products Co. ("New Perfection"), Platt av & C. & P. R. R.
Connelly D. Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R.
Mouat-Squires Co. (Hot Water), 1246 W 4th
National Heater Co. ("National")
Scientific Heater Co. (Gas for Fuel), 1065 E. 152nd
DAYTON—Brownell Co. (Heating Boilers)
Concord Mfg. Co. ("Delta")
**Craig-Reynolds Foundry Co. ("Triumph Series")**
LORAIN—Hoffman Heater Co.
MARTINS FERRY—Stanton Heater Co.

## PENNSYLVANIA.

COATESVILLE—**Coatesville Boiler Works** ("Zenith")
**COLLEGEVILLE—Freed Heater Co.** ("Charmer," "Freed," "Milton," **"Roberts")**
ERIE—Sims Co. ("Sims" Hot Water Generators), 18th & Whitley av
**HANOVER—Davison Heating & Const.** Co.
HARRISBURG—Harrisburg Mfg. & Boiler Co.
HUNTINGDON—Atlantic Radiator Co.
**JOHNSTOWN—National Radiator Co. ("Novus")**
LANCASTER—Monitor Bi-Loop Radiator Co. ("Monitor")
LANSDALE—Heebner & Sons ("Lansdale")
Lansdale Fndry. Co.
NORRISTOWN—Gibbons, N. I.
OIL CITY—Oil City Boiler Works ("Oil City," Steam & Hot Water Boilers)
PHILADELPHIA—Cox-Abram Stove Co., American & Dauphin
**Earley Wm. ("Earley," Portable** Hot Water & Air & Hot Water & **Steam), 1216 Ridge av**
Freed Heater Co., Bourse bldg
Kane Wm. Mfg. Co., 1909 Adams
Mershon Patent Shaking Grate Works, ("Mershon"), 147 N 3d
Reeves S. V. ("Victor" & "Home Victor" Water), 45 N 2d
Sheppard Isaac A. Co., ("Paragon," "Excelsior"), Land Title bldg.
Wood Jas. P. Heating Co., 239 N 4th
PITTSBURGH—Albrecht Francis J. (Bakers), 1146 Penn av.
American Radiator Co. ("Ideal"), 300 Wood
Munroe R. & Sons Mfg. Corp., 23rd & Smallman
Peerless Heater Co. ("Peerless"), 7 Wood
Peerless Water Co. (Gas & Coal), ("Peerless"), 7 Wood
**Pittsburgh Water Heater Co. ('Economy," "Junior," "Lion," "Pittcoal," "Pittsburgh"),** Jenkins bldg.
Ruud Mfg. Co. (Hot Water), 29th & Smallman
Stewart Geo. B. Co. (Automatic) Chamber of Commerce bldg., Pittsburgh, Pa.
POTTSTOWN—Sotter Bros. ("Sotter's")
READING—Reading Scale & Machine Co. ("Imperial Sunshine," "Majestic Sunshine," "Monarch Sunshine," "Vassar")
SCRANTON—**Spencer Heater Co. ("Spencer")**
TATAMY—Messinger Mfg. Co. ("Imperial")
TYRONE—Burley Heater Co Co ("Burley")
WILLIAMSPORT—Keeler E. Co.
Williamsport Radiator Co ("Craig")
YOUNGSWOOD—Robertshaw Mfg. Co.

## RHODE ISLAND.

PROVIDENCE—Allen Fire Dep't Supply Co. ("Pentecost"), 159 Aborn
Barstow Stove Co. ("Bay State" Hot Water), 116 Point
Economy Faucet Co., 86 Weybosset

## TENNESSEE.

CHATTANOOGA—Casey-Hedges Co. (Low Pressure Boilers)
Walsh & Weidner Boiler Co.

## VERMONT.

NORTH BENNINGTON—Simmons H. C. Sons

HEATERS (STEAM & HOT WATER)—continued

WASHINGTON.

SEATTLE—Nat'l Engng. & Equipment Co.

WEST VIRGINIA.

CHARLESTON — Kanawha Mfg. Co. ("Bernhard" Water Tube)

WISCONSIN.

MILWAUKEE—Mueller L. J. Furnace Co. ("Mueller")
Schwab R. J. & Sons Co. ("Gilt Edge"), 283 Clinton
RACINE—Davis O. C. ("Davis")
SHEBOYGAN—Optenberg Iron Works

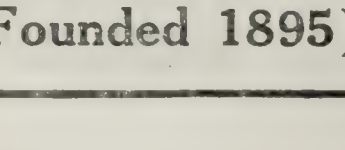
## 6047—Heaters (Sterilizing, Electric)

Electro Dental Mfg. Co., 33d & Arch, Phila., Pa.
Hospital Supply Co., 153 E. 23rd, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 6047a— *Heaters (Storage)

Griscom-Russell Co., The, 92 West st, New York *See adv index at end of book*


RUSSELL STORAGE HEATER



To supply hot water for Apartment Houses, Laundries, Hotels, etc.

THE
GRISCOM-RUSSELL CO.
92 West Street New York


## 6048— Heaters (Sugar Juice)

Blymyer Iron Works Co., Cincinnati, O.
Coldwell-Wilcox Co., Newburgh, N. Y.
Cresson-Morris Co., Allegheny & 8th, Phila., Pa.
Deming Apparatus Co., 30 Church, New York
Fogarty James H., 126 Liberty, New York
**HAUBTMAN & LOEB CO., Ltd.**, 618 Magazine, New Orleans, La.
Joubert & Goslin Mach. & Foundry Co., Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside av., Cleveland, O.
**NAZARETH FOUNDRY & MACHINE CO.** (Also Crystallizers), Nazareth, Pa., & 106 Front, New York
Murphy John H. Iron Works, 643 Magazine, New Orleans, La.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Sims Co. ("Sims"), 18th & Whitley av, Erie, Pa.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Stearns-Roger Mfg. Co., Denver, Colo.
Sugar Machinery Co., Higgins bldg, Los Angeles, Cal.
Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad New York. Works: Newburgh, N. Y.
Von Phul Gilbert D., Hibernia Bk. bldg, New Orleans, La.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 6049— Heaters (Surface)

Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.

## 6050—Heaters (Tank, Stock, Etc.)

**AMERICAN GAS MACHINE CO., Inc.**, 78 Reade, New York
*See adv index at end of book*
Bryan Plow Co., Bryan, O.
Bryant Heater & Mfg. Co. ("Bryant," Gas for Steam Coil, Heated Tanks), 952 E 72nd, Cleveland, O.
Bushnell Tank Works (Water), Bushnell, Ill.
Butler Co ("Hayward," "Hot Stuff," "Klondike," "Twentieth Century"), Butler, Ind.
Butler Mfg. Co. ("B. M. C.," "New Era"), Kansas City, Mo.
Cedar Rapids Foundry & Machine Co., Cedar Rapids, Ia.
Cedar Rapids Pump Co. ("Acme"), Cedar Rapids, Ia.
Celina Mfg. Co. ("Monarch"), Celina, O.
Challenge Co. ("Favorite," "Challenge"), Batavia, Ill.
Chattanooga Boiler & Tank Co., Chattanooga, Tenn.
Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Cone R. D. Co., Winona, Minn.
Dayton-Dowd Co. ("Economy"), Quincy, Ill.
Dempster Mill Mfg. Co. ("Beatrice"), Beatrice, Neb.
Drew Carrier Co. ("Grub"), Waterloo, Wis
Duplex Mfg. Co. ("Badger," "Superior," "Duplex"), Superior, Wis.
Fetzer Co. ("Fetzer," "McSherry"), Springfield, Ill.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Freeland B. F. Sons Co. ("Record," "Star"), Sturgis, Mich.
Gedge Bros. Iron Roofing Co. (Galvanized Steel), Anderson, Ind.
Greenville Implement Co., Greenville, Mich.
Heesen Bros. Co. ("Everlasting"), Tecumseh, Mich.
Heller-Aller Co. ("Napoleon"), Napoleon, O.
Hunt, Helm, Ferris & Co. ("Star," "Red Hot," "Standard," "Harvard," "Cracker Jack," "Perfection," "Black Jack" & "Iron King"), Harvard, Ill.
Indiana Tank Heater Co., Argos, Ind.
James Mfg. Co., Ft. Atkinson, Wis.
Kelly Foundry & Machine Co. ("King," "K.-T.," "Everlasting," "Goshen"), Goshen, Ind.
Kretchmer Mfg. Co. ("Best Ever"), Council Bluffs, Ia.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Midland Supply Co. ("Makestock Waymore" Kerosene), Davenport, Ia.
Nelson Mfg. Co., Deerfield, Wis.
Niles Steel Tank Co., Niles, Mich.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Perkins & Wind Mill Co., Mishawaka, Ind.
Phelps & Bigelow Wind Mill Co. ("IXL"), Kalamazoo, Mich.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Prox Frank Co., Terre Haute, Ind.
Richmond Water Softener Co. ("Weldex"), Richmond, Ind.
Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.
Sandwich Mfg. Co., Sandwich, Ill.
Sargent, Osgood & Roundy Co. ("Mudgett"), Randolph, Vt.
Shaw, Welsh & Co., Galesburg, Ill.
Smith & Pomeroy Windmill Co. ("Eureka"), Kalamazoo, Mich.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Swift Mfg. Co. (Cast Iron), Waterloo, Ia.
Trachte Bros. Co., Madison, Wis.
U. S. Wind Engine & Pump Co. ("Artic"), Batavia, Ill.
Wills Mfg. Co. ("Cow Boy"), Mendota, Ill.
Wisconsin Foundry & Machine Co., Madison, Wis.

## Heaters (Tar)

**See Heaters, Asphalt, Pitch & Tar**

## 6051— Heaters (Tire)

Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Gogel Mfg. Co., Toledo, O.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Kane & Roach (Gas), Syracuse, N. Y.
Rochester Tire Heater Co., Rochester, N. Y.
Williams, White & Co., Moline, Ill.

## 6052—Heaters (Tuyere Iron)

Gogel Mfg. Co. (Gas, Gasoline or Oil), Toledo, O.

## 6053—Heaters (Water, Automatic)

See also Heaters, Water, Instantaneous

Anderson-McCutchon Co. ("Anderson"), Peekskill, N. Y.
Beilman W. E. ("Beilman-Seamans"), Buffalo, N. Y.
Bryant Heater & Mfg. Co. ("Bryant"), 952 E 72nd, Cleveland, O.
Economy Heater Co. (Gas), 108 S La Salle, Chicago, Ill.
Gordon A. D. ("Duplex," for Domestic Use), 231 Franklin, Buffalo, N. Y.


THE VICTOR

IMPROVED MULTIPLE CURRENT JUICE HEATER

*Foremost in*

*Cleanliness — Satisfaction — Economy*

HAUBTMAN AND LOËB CO., Limited

(Founded 1895) 618 Magazine St., New Orleans, La.

Hayden & Derby Mfg. Co. ("H. D.," Noiseless for Heating Liquids by Direct Steam), 119 W 40th, New York
Hoffman Heater Co. ("Hoffman"), Lorain, Ohio
Hotstream Heater Co. (Cast Iron or Copper Coils), 1385 E 17th, Cleveland, Ohio
Hoyt Heater Co., Los Angeles, Cal.
Lovekin Water Heater Co., 39 Laurel, Phila., Pa.
Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.
Patterson-Kelley Co., 26 Cortlandt, New York
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Pompeian Mfg. Co. ("Perfection"), 2104 Superior av, Cleveland, O.
Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.
Therman Appliance Co. ("Madsen"), 420 W 27th New York
Thomas Automatic Heater Co., Jackson, Mich.
Winchell H. C., 20 E Jackson blvd, Chicago, Ill.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 6054—Heaters (Water, Bath or Tank)

See also Heaters, Water, Instantaneous

Abendroth Bros. ("York," "Little Gem," "York Gem," "Gem," "Hudson"), Port Chester, N. Y.
Acme Specialty Mfg. Co. ("Acme", Gas & Gasoline), Toledo, O.
American Radiator Co. ("Ideal" Tank Heater), 820 S Michigan av, Chicago, Ill.
American Stove Co. ("Jewel," "Reliable" and "Monarch"), St. Louis, Mo., & 179 W Michigan av, Chicago, Ill.
Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Augmore Mfg. Co., 5407 Sweeney av, Cleveland, O.
Beilman W. E. ("Beilman-Seamans" Automatic), Buffalo, N. Y.
Bremen Mfg. Co. (Gas & Gasoline), Bremen, O.
Bryant Heater & Mfg. Co. ("Bryant," Disc Circulating Gas), 952 E 72nd, Cleveland, O.
Century Stove & Mfg. Co. ("Century" Gas), Johnstown, Pa.
Clark Geo. M. & Co. ("Jewel"), 179 N Michigan av, Chicago, Ill.
Cleveland Heater Co. (Rex), 1905 W 112th, Cleveland, O.
Crane Wm. M. Co. ("Vulcan"), 16 W 32d, New York
Dayton Supply Co. ("Dayton, Ohio," Instantaneous), Dayton, O.
Duluth Corrugating & Roofing Co., Duluth, Minn.
Duluth Water Heater Co., Duluth, Minn.
Eclipse Gas Stove Co. ("Eclipse" Gas), Rockford, Ill.
Eriez Stove & Mfg. Co. (Gas), Erie, Pa.
Estate Stove Co. ("Estate"), Hamilton, O.
Eureka Water Heater Co. ("Eureka," Gas Water Heater), 37 W. Lake, Chicago, Ill.
Eynon-Evans Mfg. Co. ("Noiseless"), N 15th & Clearfield, Phila., Pa.
Federal-Huber ("Gugenstrom"), 234 N Halsted, Chicago, Ill.
Fuller & Warren Co., Troy, N. Y.
Griscom-Russell Co. ("Reilly"), 92 West, New York *See adv index at end of book*
Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
Haberling Chas. ("Columbian"), Columbus, O.
Hitchings & Co. (Bath Heaters), 1170 B'way, New York
Hoffman Heater Co., Lorain, O.
Humphrey Co. (Gas, Tank), Kalamazoo, Mich.
Illinois Malleable Iron Co. ("Illinois" Tank), 1801 Diversey blvd, Chicago, Ill.
Keeley Stove Co. ("Columbian"), Columbia, Pa.
Kewanee Boiler Co. ("Tabasco"), Kewanee, Ill.
Knight & Jillson Co. ("Holden," Coal and Gas), Indianapolis, Ind.
Kronquist August C. ("Maywood"), Maywood, Ill.
Long Landreth Schneider Co. (Gas), New Brunswick, N. J.
Lord & Burnham Co. (Bath Heaters), 30 E 42nd, New York
Lovekin Water Heater Co., 39 Laurel, Phila., Pa.
McDowell Mfg. Co., Stanton av., Pittsburgh, Pa.
Meerhoff H. H., Richmond, Ind.
Michigan Stove Co. ("Garland"), Adair & Jefferson, Detroit, Mich.
Miller Wm. Range & Furnace Co., 125 E 5th, Cincinnati, O.
Monitor Bi-Loop Radiator Co. ("Monitor"), Lancaster, Pa.
Mott J. L. Iron Works ("Sunray" Tank), Trenton, N. J.
Odin Stove Mfg. Co. (Gas), Erie, Pa.
Peerless Stove & Mfg. Co. (Gas), Columbus, O.
PIERCE, BUTLER & PIERCE MFG. CORP., 437 E 162d, New York
Pittsburgh Water Heater Co. ("Pittsburgh," "Bungalow," "Lion"), Jenkins bldg., Pittsburgh, Pa.
Reeves S. V. ("Victor" & "Home Victor"), Water, 42 N 2d, Phila., Pa.
Richmond Radiator Co. ("Richmond"), 1480 B'way, New York
Rolf Heater Mfg. Co., Columbus, O.
Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.
Schifferle Fredolin ("Gem"), 1206 S Broadway, St. Louis, Mo.
Schneider & Trenkamp Co., Cleveland, O.
Taylor Burner & Electroplating Co. (Ltd.) ("Kinyckest"), 804 Duquesneway, Pittsburgh, Pa.
Troop Mfg. Co., 218 1st av, Pittsburgh, Pa.
Union Stove Works (Gas "Astor," "Invader"), 70 Beekman, New York
Vogelgesang Furnace Co. ("Prize Cylinder"), Columbus, O.
Walker & Pratt Mfg. Co., 31 Union, Boston, Mass.
Weiskittel A. & Son Co. ("Fire King" Gas), 12th & E Lombard, Baltimore, Md.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.
WINCHELL H. C., 20 E Jackson blvd, Chicago, Ill.
Wood Jno. Mfg. Co. ("Daisy" & Electric Weld Combination), Conshohocken, Pa.

## 6055—Heaters (Water Coil)

Hotstream Heater Co. (Cast Iron or Copper Coils), 1385 E 17th, Cleveland, Ohio
Lawson Mfg. Co. ("Lawson"), Lexington & Thomas, Pittsburgh, Pa.
Londelius C. A. & Sons Co. (For Concrete), 847 W 63d, Chicago, Ill.
Michigan Stove Co. ("Garland" Copper Coil), Adair & Jefferson, Detroit, Mich.
Pittsburgh Water Heater Co. (Copper Coil), Jenkins bldg, Pittsburgh, Pa.
Rolf Heater Mfg. Co. (Cast Iron & Copper Coil), Columbus, O.
Ruud Mfg. Co. (Gas), 29th & Smallman, Pittsburgh, Pa.
Specialty Device Co., 106 W 3rd, Cincinnati, Ohio

## 6056—Heaters (Water, Electric)

Aqua Electric Heater Co. ("Aqua", "Geyser"), Bridgeport, Conn.
American Electrical Heater Co., Burroughs & Woodward, Detroit, Mich.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Coin Machine Mfg. Co., Portland, Ore.
CUTLER-HAMMER MFG. CO. (Instantaneous Portable for Buffet, Bar, etc), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Electric Heating & Mfg. Co., Westlake & Republic, S. Seattle, Wash.
Electro Dental Mfg. Co. (Sterilizers & Water Heaters), 33d & Arch, Phila., Pa.
GENERAL ELECTRIC CO. (Industrial Only), Schenectady, N. Y.
*See adv index at end of book*
Grinnell Electric Heater Co. ("Grinnell", Instantaneous), Grinnell, Ia.
Loetscher-Ryan Mfg. Co. ("Ideal Heat"), Dubuque, Ia.
Meier Dental Mfg. Co. ("Standard" Water Bottle Heaters), 3927 Olive, St. Louis, Mo.
National Electric Water Heater Corp., Times bldg, New York
Russell Elect. Co. ("Hold Heet"), 140 W Austin, Chicago, Ill.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Stubin Geyser Elec. Water Heater Co., Steubenville, O.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*
Wocher Max & Son Co., 19 W 6th, Cincinnati, O.

## Heaters (Water, Garbage Burning)

See Garbage Burners, Water Heating

## 6057—Heaters (Water, Instantaneous)

American District Steam Co. ("Adsco" for Heating Water Direct from Steam Lines), North Tonawanda, N. Y.
American Stove Co. ("Jewel," "National" Gas), 827 Chouteau av, St. Louis, Mo.
Augmore Mfg. Co. (Gasoline), 5407 Sweeny av, Cleveland, O.
Barlow Co. ("Matchless"), Holyoke, Mass.
Beauvais Water Heater Co., Springfield, Mass.
Century Stove & Mfg. Co. (Gas), Johnstown, Pa.
Cleveland Heater Co. ("Rex"), 1905 W 112th, Cleveland, O.
Crane Wm. M. Co. ("Vulcan"), 16 W 32d, New York
Detroit Stove Works ("Detroit Jewel"), 1320 Jefferson av, Detroit, Mich.
Hoffman Heater Co. ("Hoffman" Automatic), Lorain, O.
Humphrey Co. (Automatic), Kalamazoo, Mich.
Instantaneous Water Heating Co. ("Acme"), Kalamazoo, Mich.
Lawson Mfg. Co. ("Lawson" Gas & Gasoline), Lexington & Thomas, Pittsburgh, Pa.
Lovekin Water Heater Co. (Gas), 39 Laurel, Philadelphia, Pa.
McDowell Mfg. Co. ("Gable"), Stanton av, Pittsburgh, Pa.
Monarch Water Heater Co., 193 Chartis av, Pittsburgh, Pa.
Mustee Water Heater Co. ("Marvel"), 3409 Superior av, N E, Cleveland, O.
Parrott Heater Co. (Automatic), 224 21st, Detroit, Mich.
Phila. Stove & Iron Foundry Co. ("Clover Triumph" Gas), 1631 N 5th, Phila., Pa.
Pittsburgh Water Heater Co. ("Pittsburgh," "Automatic," "Bungalow," "Lion"), Jenkins bldg, Pittsburgh, Pa.
Reliable Stove Co. (Gas), 1787 E 40th, Cleveland, O.
Ruud Mfg. Co. ("Ruud" Thermal Automatic Gas), 29th & Smallman, Pittsburgh, Pa.
Schutte & Koerting Co. ("S. & K." for Ships, etc.), 1251 N 12th, Phila., Pa.
Weld Geo. A. Co., 79 Milk, Boston, Mass.
Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.
WINCHELL H. C., 20 East Jackson blvd, Chicago, Ill.
Wood John Mfg. Co. ("Electric Weld" Gas), Conshohocken, Pa.

## 6058—Heating Apparatus (Car & Locomotive)

Gold Car Heating & Lighting Co., 17 Battery pl, New York
Steam Carriage Boiler Co. (Car Heating, Boilers), Oswego, N. Y.
Vapor Car Heating Co. ("Vapor System"), 1450 Railway Ex, Chicago, Ill.

## 6059—Heating Apparatus (Hot Blast)

American Blower Co., 1400 Russell, Detroit, Mich.
Atlas Heating & Ventilating Co. (Jobbers), 72 Freelon, San Francisco, Cal.
Baker, Smith & Co., 576 Greenwich, New York
Bayley Mfg. Co. ("Bayley"), Milwaukee, Wis.
Buffalo Forge Co., Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Fuller-Warren Co., 32nd & Wright, Milwaukee, Wis.

HEATING APPARATUS (HOT BLAST)—continued

**Garden City Fan Co., 332 S Michigan av, Chicago, Ill.**
**Green Fuel Economizer Co., Beacon, N. Y.**
Mass. Blower Co., Watertown, Mass.
**Miller J. K. Co., Seattle, Wash.**
**New York Blower Co., Archer av & Canal, Chicago, Ill.**
**Pacific Blower & Heating Co., 224 5th, San Francisco, Cal.**
**Prentice L. H. Co., 330 Sherman, Chicago, Ill.**
**Skinner Bros. Mfg. Co. (with Blower), 10th & Tyler, St. Louis, Mo.**
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

## 6060—Heating Coils (For Steam or Hot Water Heating)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
**Green Fuel Economizer Co., Beacon, N. Y.**
**N. Y. Blower Co., Archer av & Canal, Chicago, Ill.**
**United Lead Co. (Lined or covered with Lead or Tin), 111 B'way, New York**

## 6061—Heating Contractors (Steam & Hot Water)

**Firms under this heading do Steam & Hot Water Fitting Only**

### ALABAMA.

MONTGOMERY—Alabama Machinery & Supply Co.

### CALIFORNIA.

LOS ANGELES—Phillips Heat'g, Ventilating & Mfg. Co.
PASADENA—Nay E. O. & Co.
SAN FRANCISCO—Atlas Heating & Ventilator Co., 72 Freelon
California Hydraulic Engineering & Supply Co., 70 Fremont
Holbrook, Merrill & Stetson, 6th & Bluxome
Mangrum & Otter (Inc.), 561 Mission
Morgan W. & Co., Monadnock bldg
Pacific Blower & Heating Co., 224 5th
Royal Heating Co., 280 Minna
Scott Co., 243 Minna
Seibert Co., 1433 Divisadero
Sutton John G. Co., 243 Minna

### COLORADO.

DENVER—Bradbury Bros.
Michael Heating Co.
Pfeiffer C. P. & J. L.

### CONNECTICUT.

BRIDGEPORT—Wellington & Co., Riparian av
HARTFORD—Barrett & Wall, 40 Allyn
Murray James T. & Sons, 62 Market
NEW HAVEN—Rourke Bros. Co., 834 Grand av
NEW LONDON—Hopson & Chapin Mfg. Co.
NORWICH—Barstow J. P. & Co.
PUTNAM—Putnam Foundry & Machine Co.

### DISTRICT OF COLUMBIA.

WASHINGTON—Biggs Heating Co., 917 H, N W
Cornell W. G. Co., 823 12th, N W
Febrey E. J. & Co., Pacific bldg
King H. R., 617 10th, N E
Pierpont John A., 310 12th, N W
Rees Cyrus B., 1322 14th, N W
Stansbury Daniel R., 1304 H, N W
Zellers & Co., 1333 14th, N W

### GEORGIA.

ATLANTA—Atlanta Steam Heating Co.
Englehart Co.
Warlick Sheet Metal Mfg. Co.
AUGUSTA—Erbelding E. J. Co.
MACON—Central Georgia Plumbing & Heating Co.

### ILLINOIS.

AURORA—Biever A. W. Plumbing & Heating Co.
Trauten John J.
Walters T. E. Plumbing & Heating Co.
BELLEVILLE—Karr Supply Co.
CHICAGO—Almirall & Co., 53 W Jackson boul
Arcade Steam Heating Co., 126 W Kinzie
Baker & Smith Co., 408 N Wells
Baldwin J. P. 208 N Wells
Brady & Co., 125 Curtis
Chicago Steam Heating Co., 565 W Wash.
Conlin Thos. Plumbing & Heating Co., 3978 Cottage Grove av
Consolidated Engineering Co., 507 W Jackson blvd
Cook & Chick Co., 18 E Kinzie
Cragin M. J., 746 E 43d
Crane M. H. (Est. of), 189 W Madison
Davis Construction Co., 56 W Kinzie
Devlin Harry J., 218 E 43d
Dilzer Fred., 58 W Kinzie
Douglass Thos. J. & Co., 441 N Dearborn
Dubsky J. F., 1506 S Springfield av
Dunbar J. J. & Co., 415 Milwaukee
**GALLAHER & SPECK**, 215 W Congress
Gordon Plumbing & Heating Co., 311 E 47th
Graves Heating Co., 162 N Desplaines
Henning Bros., 3924 Indiana av
Henrich Geo. A., 5650 B'way
Herlihy J. J., 751 W Van Buren
Hess Warming & Ventilating Co., 1211 S Western av
Hoier Wm. V. Co., 707 N Wells
Ideal Heating Co., 6312 Wentworth av
Kehm Bros. Co., 15 W Kinzie
Kehm Jno. R. Co., 8 E. Austin
Kellogg-Mackay Co., 403 W 18th
Kenwood Heating Co., 4825 St. Lawrence
Kersten S., 554 W Jackson blvd
Kirk Geo. H., 6711 Wentworth av
Kroeschell Bros. Co., 440 W Erie
Lamb F. W. Co., 24 E Kinzie
Lees Wm., 548 W Washington
McAlear Mfg. Co., 223 W Erie
Mellish-Hayward Co., 213 W Austin av
Narowetz Heating & Ventg. Co., 225 W Lake
National Steam Heating Co., 1130 N Clark
Nelson Jos. E. & Sons, 118 N La Salle
Nilson Bros., 3222 N Halsted
Olson J. H., 4012 S State
Patrick Robt. Plumbing Co., 3231 Cottage Grove av
Pearce W. H. & Co. (For Central States' Steam Plants), 333 S. Dearborn
Peckham Harry, Jr., 2345 W 12th
Phillips-Getschow Co., 130 W Kinzie
Pittsburgh Piping & Equipment Co., 122 S Michigan av
**POPE WM. A.**, 26 N Jefferson
Powers Bros. & Co., 1034 E 43d
Prentice L. H. Co., 330 Sherman
Reger H. P. & Co., 5512 Lake Park av
Rigby Ben, 545 W Lake
Schweitzer C. & R., 849 Center
Serson Hardware Co., 109 31st
Smith James M., 6346 Stony Island av
Sullivan William Co., 1118 N Clark
Walsh W. J. & Co., 503 N Dearborn
Webster Warren & Co. (Webster's System), 53 W Jackson blvd
GALESBURG—Murphy Bros.
JOLIET—Meers R.
MOLINE—Moline Heating & Construction Co.
OTTAWA—Clegg Jno. W. & Son
PEORIA—Johnson Chas., Hardware Co.
QUINCY—Best E., Plumbing, Heating & Supply Co.
ROCKFORD—America Heating & Supply Co.
ROCK ISLAND—Channon & Dufva

### INDIANA.

EVANSVILLE—O'Donnell Steam Heating Co.
GOSHEN—Sheridan Green & Co.
GREENCASTLE—Greencastle Foundry & Machine Co.
INDIANAPOLIS—Hayes Bros. Inc.
Johnson W. H. & Son Co., 330 E St. Joseph
Kruse & Dewenter, 427 E Washington
Shipp C. C. & Co., Indianapolis, Ind
LAFAYETTE—Abner Co.
MUNCIE—Gallivan Jerry A. Co.
Pyhe-Werkhoff Co.
TERRE HAUTE—Prox & Burget Co.
WABASH—Hipskind Heating & Plumbing Co.

### IOWA.

DES MOINES—Campbell Heating Co.

### KENTUCKY.

LOUISVILLE—Clegg F. A. & Co.
NEWPORT—Fennell George H. & Co.
OWENSBORO—Guenther Hardware Co.

### LOUISIANA.

MONROE—Sanders John G.
NEW ORLEANS—**HAUBTMAN & LOEB CO. (Ltd.)**, 618 Magazine
*See adv index at end of book*
Joubert & Goslin Machine & Foundry Co., Howard & Euphrosine
Standard Supply Co., 420 Carroll
SHREVEPORT—Bain H. H. Sheet Metal Works
Hoke Plumbing & Heating Co.

### MAINE.

PORTLAND—Fels Arthur B.
Moulton A. H.

### MARYLAND.

BALTIMORE—Adams W. W. & Sons, No Calhoun
Cahill W. S. Co., Key highway & Webster
Calvert Stove & Heating Co., 512 S Chester
Crook H. E. Co., Inc., 28 Light
Dobson R. P. & Co., Paca & Saratoga
Enterprise Steam & Hot Water Heating Co., 600 N Howard
Groscup Co., St. Paul & 26th
Heat & Power Corp., 30 Light
Heer Bros., Lexington bldg
Heubeck Geo. F., Jr., 128 N Fremont av
Hill Walter E. & Co., 203 N Liberty
King Chas. T. & Co., 523 N Charles
Kries Henry A. & Sons Co., 8 W Lombard
Riggs, Distler & Stringer, 25 Light
Stebbins Wallace & Sons, 100 S Charles
Way S. Harry, 12 Clay
Zies Chas. & Sons Co., 320 S Fremont av
FREDERICK—Fox H. K. C.
HAGERSTOWN—Hagerstown Heating Co.

### MASSACHUSETTS.

BOSTON—Anthony Frank P., 280 Washington
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill
Bay State Heating & Sprinkler, Co., 49 Haverhill
Bradlee & Chatman Co., 54 Canal
Braman, Dow & Co., 239 Causeway
Cleghorn Co., 54 Batterymarch
Coffin Isaac Co., 52 Sudbury
Dodge Edwin L., 8 Friend
Dwyer James P. Co., 183 Harrison av
Felton-Turner Heating Co., 34 War.
Foster Heating Co., 15 Palmer, Rox
Gallison W. H. Co. (High Pressure), 399 Atlantic av
Greene Bros., 417 Hanover
Hertig Furnace Co., 1342 Columbus av
Ingalls & Kendricken, 47 Bowker
Johnson Z. T. 19 Myrtle
Lovering Robert H., 37 Savin, Rox.
Lumsden & Van Stone Co., Dorchester
Lynch & Woodward, 287 Atlantic av
McLean & Cousens Co., 204 Purchase
Merrill Co. (High Pressure Piping), 19 Pearl
Montgomery F. W., 29 Purchase
Paul Andrew G. Co., 131 State
Pierce & Cox, 143 Kingston
Rice F. I. & Bennett, 36 Clardon
Richardson & Clement, 20 Union
Ross Walter B., 263 Summer
Shearman Heating Co., 18 Union
Smith & Anthony Co., 52 Union

Walworth-English-Flett Co., 100 Pearl
Webster, Warren & Co., 24 Milk
Whitten Horace E., 9 Federal Court
Woodward Frank E. & Co., 19 Friend
FAIRHAVEN—Fairhaven Iron Foundry Co.
FALL RIVER—Fall River Steam & Gas Pipe Corp.
Kelley Edward
FITCHBURG—Brownell-Mason Co.
Jennison Co. (Large)
Parks G. M. Co. (Large)
Whooley D. J. & Co.
GLOUCESTER—Stoddart A. P. & Co.
LAWRENCE—Bride, Grimes & Co.
LOWELL—Middlesex Machine Co.
NEW BEDFORD—New Bedford Boiler & Machine Co.
SALEM—Patten Paul B. Co.
SPRINGFIELD—Clapp Z. C.
Estabrook George R.
McClean George H. Co.
Morris T. J.
Oliver & Howland Co.
Wyckoff & Lloyd Co., 19 Worthington
WORCESTER—Brunelle & Despard
Burlingame A. Co.
Callahan J. W. & Son
Central Supply Co.
Hawes Edwin Co., 726 Main
Henderson P. J., 171 Foster
Holmes M. D. & Son, Co., Salem sq
Houghton F. O.

## MICHIGAN.

ALPENA—Eddy Engineering Co.
BAY CITY—Jennison Hardware Co.
DETROIT—Detroit Heating & Lighting Co.
Lieb & Wight
Dodson & Card Co., 699 Howard
Simonds Heating & Specialty Co., 90 Park pl
Turner W. C., 441 Hubbard av
Vinton Co.
GRAND RAPIDS—Leitelt Adolph Iron Works
Macauley Bros.
Weatherly Co.
SAGINAW—Eureka Heating & Ventilating Co.

## MINNESOTA.

DULUTH—American Heating Co.
FERGUS FALLS—Fergus Iron Works Co.
MANKATO—Mankato Mfg. Co.
MINNEAPOLIS—Andrews Heating Co., 203 Hennepin av
Gray W. I. & Co., 914 Morey pl
Hamilton W. C. T., 2948 Nicollet
Hasey Heating Co., Wilmac bldg
Knights W. R., 1224 E Lake
Quam H. J., 3616 Portland av
Roberts-Hamilton Co., 413 S 4th
Saxton Heating Co., 405 6th av, S
Schupp Wm. & Co., 616 S 3d av
Smith System Heating Co., 821 Washington av S E
Tunstead Heating Co., 1019 6th av, S
ST. PAUL—Roberts John D., 854 Selby, Gilfillan blk
Sparr E. E.
Western Machine Mfg. Co., 443 Rosabel
WINONA—Winona Heating & Ventilating Co.

## MISSOURI.

KANSAS CITY—Kansas City Heating Co., 15th & Grand av
Lewis & Davis, 412 E 31st
Martin H., 1411 E 14th
Mueller A. B. Heating Co., Massachusetts bldg
Prest Heating & Foundry Co.
ST. LOUIS—Ambler Edwin P., 2822 La Salle
Bradley Heating Co., 3834 Olive
Brockman J. R. Mfg. Co., 617 N 2nd
Brown Heating Co., 5972 Easton av
Cozzens Heating & Const. Co., 1201 N. Vandeventer
Elliott & Barry Eng. Co., 14 N Olive
Hanley-Casey Co., 1607 Olive
Hayes John, 806 N 14th
Haynes-Langenberg Mfg. Co., 4045 Forest Park blvd
Maloney Wm. S., 4632 Olive
Materne John R. Mfg. Co., 18th & Gratiot
Modern Heating Co., 3935 Olive
Moynihan C. S., 2602 N Spring av
National Heating Co., 2050 Geyser av
O'Mara Heating Co., Victoria bldg
Peters-Eichler Heating Co., 1516 Pine
Skinner Bros. Mfg. Co., 10th & Tyler, St. Louis, Mo.
Sodemann Heat & Power Co., 2306 Morgan
Stockhoff Supply Co., 107 N Main
Tipton & Mackey Mfg. Co., 4948 Easton av
Urbauer-Atwood Heating Co., 115 S 11th

## NEW JERSEY.

BARTLEY—Bartley Wm. & Sons
BELLEVILLE—Jacobsen W. H.
BOUND BROOK—Williams Thos. F.
Zepp. W.
BURLINGTON—Lawrence Eli, Jr.
CAMDEN—Camden Heating Co.
Lounsberry H. C.
Webster Warren & Co.
HARRISON—Cooney John H.
HOBOKEN—Standard Heating Co., 8th & Jefferson
JERSEY CITY—Barclay W. A., Jr., 314 Pacific av
Finnegan Thos. J.
Lutton Wm. H. Co., West Side av
MADISON—Force Chas. C. & Son
NEWARK—Cryer T. B. Co., 249 High
Denny Bros. Co., 234 Lincoln av
Reid Jno. L., 356 Mulberry
Smith & Reilly, 411 New
Wolff Wm. D. & Co., 108 S 13th
NEW BRUNSWICK—McFadden Plumbing & Heating Co.
NEWTON—Watkins Chas. H.
PATERSON—Gurney Wm. H.
TOWN OF UNION—Manahan Bros Heating Co. (Heating)
TRENTON—Katzenbach F. S. & Co.

## NEW YORK.

ALBANY—Bates E. P.
Hunter Jas. Heating & Contracting Co.
Tyler Fred A.
Warren James D.
BEACON—Green Fuel Economizer Co.
BINGHAMTON—Gaylord & Eitapenc Co.
Lewis Mirt E.
Runyon & Ogden Co.
Shapley & Wells
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Burgmaster Daniel, 70 Del av
Danforth Jno. W. Co. (Large), 70 Ellicott
Frontier Plumbing & Heating Co., 353 Ellicott
Herlan Geo. J., 132 Northampton
Knepper Jno. H. & Son, 501 Wash'n
Ruckel J. H. & Son, 81 Main
Smith Jno. D. Co., 12 B'way
Tallmage M. F., 80 Seneca
Waterman Waterbury Co., Root bldg
CHARLOTTE—Whitman R.
HOOSICK FALLS—Dorr C. M. Co.
JAMESTOWN—Chatfield & Sharp
LOCKPORT—Davenport, Mart & Co.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Apel Gustav E., 575 4th av
Bedford Heating Co., 1233 Atlantic av
Byrne Frank J., 1429 E 7th
Chapman Hiram W., 331 Vanderbilt av
Curtin Wm. H. Mfg. Co., 331 Adam
Dayton W. B. & Son, 291 Schermerhorn
Dayton & Montgomery, 9 Lafayette
Dean & Blake, 668 Fulton
Ficken Wm. H., 232 Robinson
Hinchman E. G. Co., 1263 Atlantic av
Hogle Albert P. Co., 1522 Flatbush av
Humphrey R. T., 811 Flatbush av
Ideal Heating Co., 915 Gates av
Jacobs Geo. P. & Co., 276 S 9th
Johnson & Co., 1477 Flatbush av
Leach Henry, 1103 Fulton
Moran R. J., 1307 Atlantic av
Morse Dry Dock & Repair Co., ft 56th
Murchison Jno. R., 1101 Flatbush av
Nagel Herman, 450 Bergen
O'Brien Edw. J. & Bro., 284 Rodney
Ostheimer Wm. H., 385 7th av
Phillips Doup & Co., 60 Pearl
Purvis & Shelton, 241 Plymouth
Roys System Co., 915 Gates av
Sanitary Heating Co., 233 37th
Scollay John A., 74 Myrtle av
Wilson Geo. W., 612 Myrtle av

### Boroughs of Manhattan and Bronx.

NEW YORK—Abbott's M. Sons, 137 8th av
Almirall & Co., 1 Dominick
Anderson Richard, 277 W 117th
Bailey Wm. R., 96 Warren
Baker, Smith & Co., 576 Greenwich
Belmont Henry & Son, 103 Park av.
Boyd Jno. Plumbing, Heating Co., 284 Columbus av
Brower John, 302 W 13th
Callahan Michael J., 343 W 52d
Campbell & Smiley, Inc., 30 Church
Child & Scott Co., 112 Wooster
Cornell W. G. & Co., 45 E. 17th
Crooke Heating & Ventilating Co., 97 Warren
Cryer Return Line System, 18 E 41st
Dewey Engineering Co., 25 Hancock pl
Dobson Frank, 319 E 53d
Downey Wm. H., 52 William
Downs W. H., 337 W. 38th
Eccles John L. Co., 1 W 4th
Ellison & Co., 211 W 126th
Francis Bros. & Jellett (Inc.), 31 Madison av
Gibbons Jno. V., 133 Greenwich
Gillis & Geoghegan, 537 W B'way
Goble Frank N. (Power Plants), 1 E 42d
Graff Furnace Co., 61 Wooster
Greason Mfg. Co., 108 W 99th
Gunset Louis E., 2259 Ryer av
Hankin John & Bro., 550 W 25th
Hanner & Fredericks, 824 Amsterdam av
Hitchings & Co., 1170 B'way
Hodkinson S. M., 410 W 125th
Johnson & Morris, 538 W 23d
Johnston Heating Co., 131 E 26th
Kelsey Heating Co., 103 Park av
Kirk & Bimpson, 441 W 50th
Kroepke W. H., 383 College av
Lane Ira G. Co., 1077 3d av
Lee Heating Co., 3536 B'way
Leslie & Tracy, Inc., 1790 B'way
Lord & Burnham Co., 30 E 42d
Lord & Burnham Co., Madison av & 42d
Mason Wm. E., 416 E. 161st
Mechanical Equipment Co., 206 Centre
Merritt Jas. H. & Co., 244 Water
Miller Henry, 384 E 144th
Mulhern Steam Heating Co., 103 Park av
Olvany William J., 177 Christopher
Peterson N. F., 2525 3rd av
Quay Engineering Co., 470 4th av
Raisler Heating Co., 129 Amsterdam av
Ransom Stephen, 401 West
Rice Daniel J., 405 Lexington av
Robertson & Conry, 167½ E 115th
Rutzler Enoch Co., 404 E 49th
Schneider Chas. Co., 492 E 163d
Sherwood Lorenzo W., 117 Edgecombe av
Sinnott Peter, 967 E 165th
Skannel Elbert, 259 W 126th
Smith H. B. Co., 10 E 39th
Thompson-Starrett Co., 49 Wall
Tivy Lawrence, 13 Platt
Walker & Chambers, 222 E 41st St
Wallace Geo. J. Jr., 206 E 57th
Wear Frank M., 206 E 29th
Webster Warren & Co., 71 Murray
Wells & Newton Co., 292 Av B
Williams Roger, 120 W 32nd
Yockel Bros., 962 Washington av

### Borough of Queens.

COLLEGE POINT—Reilly Engineering Co.
LONG ISLAND—Petry Jno. W. Co., 87 5th
OZONE PARK—Marasak Chas.

### Borough of Richmond.

NEW BRIGHTON—Koehler F. D., 560 Richard ter

**(End of New York City)**

NORTH TONAWANDA—America District Steam Co. (Live & Exhaust Steam)
SYRACUSE—Bates Edw. P. Co.
Joy Edward Co.
Leavery Htg. & Ventilating Co., 306 E. Water
UTICA—Bates Edw. P.
WAVERLY—Denslow Heating Co.
YONKERS—Barr A. B. & Co.
Morris Thos., Jr. (Est. of)
Williams & Cullinan

HEATING CONTRACTORS (STEAM & HOT WATER)—continued

NORTH CAROLINA.

GREENSBORO—McKenzie, B.

NORTH DAKOTA.

CASSELTON—Casselton Hardware Co.
FARGO—Craig Bros.

OHIO.

CHILLICOTHE—Ringwald W. H. & Sons
CINCINNATI—Crane Co. of Chicago (Est. 1855), 824 B'way
Geerin Bros. & Co., 422 E 8th
Hammond Heating Co., 130 E Pearl
Kearney John & Co., 523 Ringgold
Love, Piket & Nulsen Co., 8th & Broadway
Nichol Thos. J. & Co., Pearl c Ludlow
Niemes Henry, 4112 Hamilton av
Peck, Anderson & Peck Co., Court & Sycamore
Schlemmer Oliver Co., 1060 Hulbert av
Stewart S. B., 306 Front Bellevue
Vance-Lucke Co., 416 Home
Williamson Heater Co., 339 W 5th
CLEVELAND—American Foundry & Construction Co., Citizens' bldg
American Heating Co., 7034 B'way, S E
Bartlett Bros. Co., 8506 Lake av, N. W.
Becker-Seidel Co., 324 Prospect av
Bowman E. R., 3211 Lorain
Chafer Co., 431 Champlain av, N W
Chappell-Warren Co., 1880 St. Clair
Crawford P. R. & Son, Williamson bldg
Crow & Wynn Heating Co., 4070 E 82d, S E
Cushman Person W., 7516 Decker av, N E
Holbrook M. G., The Arcade
Miles Heating & Ventilating Co., Park bldg
Mouat-Squires Co., 1246 W 4th
Paul Steam System, Hickox bldg
Pittsburg Piping & Equipment Co., American Trust bldg
Price & Walker, 707 Canal rd
Roemer J. Heating Co., 1808 E 22d
Thomson J. & A., 1232 W 11th
Van Sickle W. B., 707 Frankfort av
COLUMBUS—Columbus Heating & Ventilating Co.
Ideal Heating Co., 16 E 1st av
MASSILLON—Justus Plumbing & Heating Co.
SANDUSKY—Brohl & Appell
TOLEDO—American Warming & Ventilating Co., 1017 Summit
Bryce Heating & Ventilating Co., The Spitzer
Burdick L. F. Co., 2011 Adams
Holmes-Landwehr Heating Co.
Shaw-Kendall Engineering Co.

OKLAHOMA.

MUSKOGEE—O'Connor Company
OKLAHOMA—Dolan Thomas Heating Co.

OREGON.

PORTLAND—Kendall Heating Co., 24 Front
McPherson W. G. Co., 19th & Wilson

PENNSYLVANIA.

ALLENTOWN—Hersh & Bros (Also Blower Heating)
*See adv index at end of book*
Miller J.
Taylor Wm. H. & Co.
BANGOR—Houck W. O.
BLAIRSVILLE—Tittle C. L.
BLUE BALL—Shirk P. E.
CONSHOHOCKEN—Bate Wm. T. & Son
EAST DOWNINGTOWN—Maxwell J. N.
EASTON—Stotz Bros.
HANOVER—Davison Heating & Cons. Co., 8 York, Hanover, Pa.
HARRISBURG—Froehlich Chas M.
HAZLETON—Hazleton Steam Heating Co.
JOHNSTOWN—Swank Hardware Co.
LANCASTER—Flinn & Breneman
Gutfeish A. A.
Musselman & Schwarz
Schaum John G.
NORRISTOWN—Boyer J. Frank Co,
PHILADELPHIA—Anderson W .M., 600 Schuylkill
Bachley C. F., 152 N 6th
Baizley John Iron Works, 514 S Delaware av
Barclay Alex M., 113 N 6th
Barnes Samuel W. & Son, 2104 N 6th
Bowers Bros. & Co. (Heating & Ventilating), 1629 Ludlow
Clark Bros., 1228 Locust
Cuff J. W. & Co., 2027 N 23d
Francis Bros. & Jellett, Real Estate Trust bldg
Geiger August, 114 N 6th
Germantown Steam Co., 349 W Hortter
Hartman G. W. Heating Co., 12th & Oxford
McClintock A., 1937 Ridge av
Makin Heating Co., 1827 Filbert
Mershon Patent Shaking Grate Works, 147 N 3d
Murphy Harry F. & Co., 1615 Sansom
Nichols E. M., 212 W Washington sq
Pancoast-Heiny B. Co., 950 N Front
Pennsylvania Engineering Co., 1119 N Howard
Phila. Hdw. & Malleable Iron W'ks, 9th & Jefferson
Phila. Steam Heating Co., Juniper & Cherry
Quigley Jas. J. & Son, 1342 Ridge av
Scott Robt, 1723 Ranstead
Smith John P., 148 N 7th
Taylor Frank W. & Son, 259 S 4th
Thompson Bros., Milnor
Trachsel John C. F., 230 Arch
Wanner Louis Jr., 1723 Ludlow
Webster Warren & Co., Stephen Girard bldg
West End Heating & Engineering Co., 4641 Lancaster av
Wood James P. Heating Co., 239 N 4th
PITTSBURGH—Allegheny Heating Co., 603 Burd
Anderson-Darragh Co. (Ltd.), 3206 Penn av
Baker, Smith & Co., 131 Water
Bartley-Kennedy Co., 224 3d av
Briley C. A., 1003 Forbes
Burns, Fleming & Co., 815 Forbes
Higgins G. F. Co., Wabash bldg
Iron City Heating Co., 843 Jackson
McGinness Co., 320 Liberty
Mellott Furnace Co., 955 Liberty av
Pittsburgh Heating Co., 8 Wood
Schaffer John P., 108 Wood
Walker James J., 5422 Vine
POTTSTOWN—Sotter Bros.
POTTSVILLE—Leidich W. H.
READING—Berks Engineering Co.
Keystone Heating Co.
Reading Heater & Supply Co.
Reading Steam Heat & Power Co.
ST. CLAIR—Quirin Jno. & Bro.
SCRANTON—Gaylord & Butler Co.
Gaylord & Eitapence Co. (see Binghamton, N. Y.)
Gunster Bros.
SHAMOKIN—Unger Warren
SOUTH BETHLEHEM—Dietrich H. A. R.
TOWANDA—Humphrey Mfg. Co.
WASHINGTON—Standard Sheet Metal Mfg. Co.
WEST CHESTER—James Bros.
WILKES-BARRE—Baab Frank
Backus Peter B.
Carpenter B. G. Co.
Turner & Vanscoy Co.
WILLIAMSPORT—Keeler E. Co.
Williamsport Steam Co.
YORK—Lindemuth Engineering Co.
Motter's Geo. F. Sons
York Engineering Co.
York Heating & Ventilating Co.

RHODE ISLAND.

PROVIDENCE—Allen Fire Dep't Supply Co., 159 Aborn
Allen & Reed, 178 Dorrance
Cox & Stone, 74 Richmond
Fogerty Wm. J., 26 Peck
General Fire Extinguisher Co. (For Circulation)
Heath Wm. G. & Co., 60 Friendship
Putnam Foundry & Machine Co., 73 S Main
Sampson J. A., 10 Summer
Taft Machine Co., 229 Globe

SOUTH CAROLINA.

GREENVILLE—American Machine & Mfg. Co.

TENNESSEE.

CHATTANOOGA—Garnier Joe L.
Wilcox Tom Plumbing & Supply Co.
MEMPHIS—Harstick Heating Co.
Memphis Heating Co.
Pritchard Bros. Co.
Southern Heating Co.
NASHVILLE—Bouchard John & Sons Co.
Nashville Machine Co.

VERMONT.

RUTLAND—Holmes Iron Co.

VIRGINIA.

NORFOLK—King F. E. Co.
Williams M. A.
RICHMOND—Beverly R. C. Heating Co., 9 No 7th
Longworth, W. P., Heating Co., 416 E Main

WASHINGTON.

ABERDEEN—Elway Miller Co.
Potter F. M.
AUBURN—Ester W. E.
EVERETT—Schweitzer C. R.
NORTH YAKIMA—Reilly Daniel
Rish W. H.
Yakima Valley Heating & Plumbing Co.
Young & Donovan
PROSSER—O'Rourke J. P.
RAYMOND—Baker C. D.
SEATTLE—Allen W. D.
Brown S. E. & Co.
Eckart Plumbing & Heating Co.
Lavan P. J.
Normile Simon
Rautman Plumbing & Heating Co.
West Coast Heating Co.

WEST VIRGINIA.

WHEELING—Kyle R. W. Co.

WISCONSIN.

GREEN BAY—Garot Bros.
MADISON—Mueller Co.
MILWAUKEE—Bayley Heating Supply Co., 131 Sycamore
Bowers W. A. Heating Co., 484 Market
Downey Heating & Supply Co., 615 Clybourn
Fox Chas. J., 1208 Grand av
Groeschel Jacob, 1513 Lloyd
Hoye Thos. E. Heating Co., 509 E Water
Kaufman-Haas Heating Co., 1117 23d
Lade Rudolph, 1730 Galena
Mueller Co., 168 Reed
Netz Edwin A., 463 27th
Pfeifer Mathias Heating Co., 814 18th
Phipps Furnace Co., 90 Oneida
Reich John, 628 Clark
Riemer Louis A., 650 3d
Smith Geo. H. Heating Co., 1109 Downer av
Striebel A. J. & Co., 52 2d
Wegner Bros. Co., 227 5th
Zuehlke Heating Co., 236 24th
SHEBOYGAN—Optenberg Iron Works
SUPERIOR—American Heating Co.
WAUSAU—Wheeler A. B. & Son Co.

## 6062—Heating Devices (Electric)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Fort-ified Mfg. Co., Gumbel bldg, Kansas City, Mo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Wirt Co., Germantown, Phila., Pa.

## 6063—Heating (Green House)

Bates Edw. P., Co., Syracuse, N. Y.
Foskett & Bishop Co., New Haven, Conn.
Hitchings & Co., 1170 B'way, New York
Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
Kroeschell Bros. Co., 440 W Erie, Chicago, Ill.
Lord & Burnham Co., 30 E 42d, New York
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Prentice L. H. Co., 330 Sherman, Chicago, Ill.
Prox Frank Co., Terre Haute, Ind.
Reading Heater & Supply Co., Reading, Pa.
Reynolds James Co., 195 State, Rochester, N. Y.
Scollay John A. (Est. of) (Steam Heating), 74 Myrtle av, Brooklyn, N. Y.

## 6064—Heating Pads (Electric)

Amer Elec'l Heater Co. (Warming Pads), Detroit, Mich.
Electric Controller Co., 317 W Maryland, Indianapolis, Ind.
Edison Elec. Appliance Co., Inc. (Hotpoint Div.), 5600 W Taylor, Chicago, Ill.
Fox Elec'l Corp., 119 W 42nd, New York
Goodwill Elec. Co., 59 E Van Buren, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill
Phelps Mfg. Co., 49 W Leonard, Detroit, Mich.
Reliance Heating Co., Columbia, Pa.
Russell Elect. Co. ("Hold-Heet"), 140 W Austin, Chicago, Ill.
Scientific Products Co., Steubenville, O.
Shaler C. A. Co., Waupun, Wis.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Standard Electric Appliance Co., Beverly, N. J.
Sun Ray Mfg. Co., Oshkosh, Wis.
Wirt Co., Germantown, Phila., Pa.

## 6065—Heating (Paul System of Steam)

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Fox Elec'l Corpn., 119 W 42nd, New York
Paul Andrew G. Co. ("Andrew G. Paul"), 131 State, Boston, Mass.

## 6065a—Heating Systems (Exhaust Steam)

McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Positive Differential System Co., 9 Murray, New York

## 6065b—Heating Systems (Fan)

Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.

## 6066—Heating Systems (Hot Water, Self-Regulating)

Belknap Mfg. Co., Bridgeport, Conn.
D. & T. Mfg. Co. ("D. & T." System), 1911 Pine, St. Louis, Mo.
Reading Heater & Supply Co. ("Reading"), Reading, Pa
Schleit W. A. Mfg. Co. ("Wasco" Garage Heating), Syracuse, N. Y.

## 6066a—Heating System (Oil Heating)

Merrill Process Co., Old South bldg., Boston, Mass.

## 6067—Heating Systems (Vacuum)

Barney Ventilating Fan Wks. (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Bishop & Babcock Co. ("B. & B." Vacuum Pump), 1204 E 55th, Cleveland, O.
Consolidated Engineering Co. ("Van Auken" System), 507 W Jackson blvd, Chicago, Ill.
Cryer Return Line System Co. (Cryer," System), 18 E 41st, New York
Eddy Engineering Co. ("Eddy"), Alpena, Mich.
Haines William S. & Co. ("Haines" Automatic), 12th & Buttonwood, Phila., Pa.
Illinois Engineering Co., W 21st & S Racine avs, Chicago, Ill.
Iroquois Engineering Co. ("Sparks" System), 343 S Dearborn, Chicago, Ill.
Kellogg-Mackay Co. (Vapor System "K. M. C.," 403 W 18th, Chicago, Ill.
McAlear Mfg. Co. ("Sparks" System), 1901 S Western av, Chicago, Ill.
Moline Heat, Moline, Ill.
Monash-Younker Co. ("Monash" Thermostatic & Float Return Line Valves), 1407 W Jackson blvd, Chicago, Ill.
Morgan Clark System Co., 382 Exchange, Rochester, N. Y.
Paul Andrew G. Co. ("Paul"), 131 State, Boston, Mass.
Reading Heater & Supply Co., Reading, Pa.
Richardson & Boynton Co. (Vapor Vacuum System), 31 W 31st, New York
Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.
SARCO CO., INC. ("Sarco"), 229 B'way, New York. *See adv index at end of book*
Vacuum Heating Co. ("Trane"), Juniper & Cherry, Phila., Pa.
Vapor-Vacuum Heating Co. ("Kriebel" System Vapor Vacuum Heating), Otis bldg, Phila., Pa.

## 6068-9—Heating Systems (Vapor)

Boston Vapor Heating Co., 52 Chauncy, Boston, Mass.
Doody Vapor Heating Co., Inc., The, 46 Cornhill, Boston, Mass.
Illinois Engineering Co., W 21st & S Racine avs, Chicago, Ill.
Moline Heat (Moline System), Moline, Ill.
Mouat-Squires Co. ("Mouat"), 1246 W 4th, Cleveland, O.
Reading Heater & Supply Co. ("Reading"), Reading, Pa.
Roath Mfg. Co., Cherry & Canal, Akron, Ohio
Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.
SARCO CO., INC. ("Sarco"), 8 Park pl, New York. *See adv index at end of book*
Trane Co., La Crosse, Wis.
Vapor Heating Co. ("Broomell"), North American bldg, Phila., Pa.
Virginia School Supply Co. ("Old Dominion"), 2000 Marshall, Richmond, Va.

## 6070—Heating & Ventilating Engineers (Consulting)

Adams Henry, Calvert bldg, Baltimore, Md.
Barney Ventilating Fan Wks. (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Barrus Geo. H., Pemberton bldg, Boston, Mass.
Bartlett Bros. Co., Cleveland, O.
Bierbaum-Dollar, Inc., Buffalo, N. Y.
Boiler Efficiency Engineers, Manhattan bldg, Chicago, Ill.
*See adv index at end of book*
Campbell & Lewis, Watertown, N. Y.
Clark, MacMullen & Riley, 101 Park av, New York
Cryer T. B. Co., 249 High, Newark, N. J.
D. & T. Mfg. Co., 1911 Pine, St. Louis, Mo.
Danforth John W. Co., 70 Ellicott, Buffalo, N. Y.
Eddy Engineering Co., Alpena, Mich.
Edwards L. T., 18th S. 7th, Phila, Pa.
Elliott & Harman Engineering Co., 144 Fredonia av., Peoria, Ill.
Hersh Bros. Co., 645 Mill, Allentown, Pa.
Howard & Morse (Ventilation Only), 45 Fulton, New York
Kernchen Company, 332 S. Michigan av., Chicago, Ill.
Mackay W. M., 234 Water, New York
Monday Chas. E. & Co., 1318 Olive, Phila., Pa.
Neiler Rich & Co., Manhattan bldg, Chicago, Ill.
Osborn Engineering Co., 2848 Prospect av, Cleveland, Ohio
Pennsylvania Engineering Co., 1119 N Howard, Phila., Pa.
Quay Engineering Co., 470 4th av, New York
Serrell & Schenck, 71 Murray, New York
Stebbings W. L., Monadnock blk, Chicago, Ill.
Sutton Frank, 140 Cedar, New York
Thompson-Starrett Co., 49 Wall, New York
Trane Co., La Crosse, Wis.
Woodbridge S. Homer, 171 Newbury, Boston, Mass.

## Heating & Ventilating Engineers (Contracting)

See Heating Contractors, Steam & Hot Water

## 6070a—*Heating & Ventilating Systems for Industrial Plants

Gordon Robert, Inc., 407 Bessemer bldg, Pittsburgh, Pa.

## 6071— Heels (Rubber)

A. & A. Rubber Co., Framingham, Mass.
Acme Rubber Heel Co., Elyria, O.
Armstrong Rubber Co., Garfield, N. J.
Atlantic Mfg. Co. ("Rubbestos," "Treadwell" "Pep-Step"), Wilmington, Del.
Atlantic Rubber Co., Linden, Boston, Mass.
Bailey C. J. & Co., ("Wont Slip"), 22 Boylston, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Bull Dog," "Comfort," "Eclipse," "Ease"), Cambridge, Mass.
Converse Rubber Shoe Co., Malden, Mass.
Denmead Rubber Co., Akron, Ohio
Elastic Tip Co. ("Safety Tread"),370 Atlantic av, Boston, Mass.
Elyria National Rubber Heel Co., Elyria, O.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Foster Rubber Co. ("Foster," "Cat's Paw," "Tread-air," "Orthopedic"), 105 Federal, Boston, Mass.
Goodyear Tire & Rubber Co., Akron, O.
Hale, Alfred, Rubber Co. (Molded), Atlantic, Mass.
Heimbach Rubber Heel Co., Duluth, Minn.
Hill Rubber Heel Co., Elyria, O.
I. T. S. Rubber Co., Elyria, O.
James Mfg. Co., ("Gyro"), Cleveland, O.
O'Sullivan Rubber Co., 131 Hudson, New York
Panther Rubber Mfg. Co. ("Panther Tread"), Stoughton, Mass.
Pennsylvania Rubber Co., Jeannette, Pa.
Petley Rubber Mfg. Co., 247 Oregon, Milwaukee, Wis.
Plymouth Rubber Co. ("Nerveze"), Canton, Mass.
Pneumatic Cushion Rubber Heel Co., 19 Lincoln, Boston, Mass.
Quabaug Rubber Co., North Brookfield, Mass.
Revere Rubber Co. ("Spring Step"), Chelsea, Mass.
Rubber Products Co., Barberton, O.
Standard Woven Fabric Co. ("Stanwal"), Walpole, Mass.
Taunton Rubber Co., Taunton, Mass.
Western Rubber Co., Goshen, Ind.

## 6072— Heels (Shoe, Wood)

Atlantic Wood Heel Co., 322 Van Buren, Brooklyn, N. Y.
Essex Wood Heel Co., Haverhill, Mass.
Fox Chas. K. Heel Co., Haverhill, Mass.
Haverhill Wood Heel Co., Haverhill, Mass.
Pentucket Wood Heel Co., Haverhill, Mass.
Ross Heel Co., South Easton, Mass.
Slipper City Wood Heel Co., Haverhill, Mass.

## 6073— Heliostate

Gaertner Wm. & Co. (Two Mirror), 5345 Lake Park av, Chicago, Ill.

## 6073a—*Helmets (Asbestos)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 6074—Helmets (Sand Blasting)

Betton J. M. ("Drucklieb"), 59 Pearl, New York
Chicago Eye Shield Co., 2300 Warren av, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Multi-Metal Co. ("Pulmosan"), 251 W 19th, New York
National Helmet Co., 250 W 54th, New York
Paxson J. W. Co., 1021 No Delaware av, Phila., Pa.
Solderling Walter Co., Inc., 347 W. Broadway, New York
Tilghman-Brooksbank Sand Blast Co., 1126 S 11th, Phila., Pa.

## 6075—Helmets (Smoke & Ammonia)

See Also Respirators

Hayward S. F. & Co. ("National"), 250 W 54th, New York
Improved Aluminum Protector Co., 1103 Nth av, Waukegan, Ill.
Johnson A. W. V., Merchants Exchange, San Francisco, Cal.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
National Helmet Co. (Ammonia), 250 W 54th, New York
Protecto Safety Appliance Co. (Ammonia), 52 Columbia, Newark, N. J.
Rex-Harris Fire Appliance Co. (Smoke), 310 W 39th, New York
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.

HELMETS (SMOKE & AMMONIA)—continued

**Scientific Instrument & Elect. Mach. Co. (Fume Masks)** Mechanicsburg, Pa.
**Servus Rescue Equipment Co. ("Eveready")**, 50 Columbia, Newark, N. J.
Solderling Walter Co., Inc., 347 W. Broadway, New York
**Vajen Helmet Co.**, Richmond, Ind.

## 6076— Hematine

Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
**Kuttraff Pickhardt & Co., Inc.** (Selling Agents), 128 Duane, New York
**Lewis John D.**, 63 Charles, Providence, R. I.
**National Gum & Mica Co.** (Paste, Crystals, Powder, 59th & 11th av, New York

## 6077—Hemp & Jute Importers

**Andrews Robert Co.**, 115 Franklin, New York
Fearon Brown Co., 96 Wall, New York
**Hartman Bros., Inc.** (Imp.), 641 Atlantic av, Boston, Mass.
**MacLeod & Co.** (Hemp), 82 Beaver, New York.
**Ralli Bros.** (Jute), 11 William, New York

## 6077a— Hexachlorethane

Dow Chemical Co., Midland, Mich.

## 6078-9—Hexamethylenetetramine

Cleveland Cliffs Iron Co., Rockefeller, Cleveland, O.
Gray, Wm. S. & Co., 80 Maiden lane, New York
Greef R. W. & Co., 76 Front, New York
Merck & Co., 45 Park pl., New York

## 6080— Hillers (Celery)

Bucher & Gibbs Plow Co. ("Imperial"), Canton, O.
Empire Plow Co. ("Empire"), 3140 E. 65th, Cleveland, O.
Mason F. C. & Co. ("Mason"), St. Johns, Mich.
Ohio Cultivator Co. ("Little Giant"), Bellevue, O.

## 6081— Hillers (Potato)

Babcock Mfg. Co., Leonardsville N. Y.
Conner J. W. & Son, Orangeville, Pa.

## 6082— Hinge Mfrs.

Under this Heading see Sub-classifications

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**American Foundry & Mfg. Co.**, Frederick, Md.
Arcade Mfg. Co. (Brass), Freeport, Ill.
**Art Hardware & Mfg. Co.**, Seattle, Wash.
**Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.**
**Barrows Lock Co., Lockport, Ill.**
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
**Brainerd Mfg. Co.**, East Rochester, N. Y.
Carpenter R. F. Mfg. Co. (Gravity Roller Hinge), 978 E 6th, Cleveland, O.
**Chicago Spring Butt Co.**, 1500 Carroll av, Chicago, Ill.
City Brass Works (Automatic Windshield), 1744 Carroll av, Chicago, Ill.
**Coleman Hardware Co. ("Champion" & "J. G. C., Spring)**, 122 S Michigan av, Chicago, Ill.
**Columbian Hardware Co.**, Cleveland, O.
**Corbin P. & F.**, New Britain, Conn.
**Cowles C. & Co.** (Malleable & Brass), New Haven, Conn.
Delaware Marine Mfg. Co., Wilmington, Del.
**Detroit Shipbuilding Co.** (Brass Department), **Ft. Orleans, Detroit, Mich.**
**Eagle Lock Co.** (Brass), Terryville, Conn.
**Force Chas. E. & Son (Wrought Hinges), Madison, N. J.**
**Frantz Mfg. Co.**, Sterling, Ill.
**Gibson & Kirk Co., 217 Key Highway, Baltimore, Md.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Griffin Mfg. Co., Erie, Pa.
**Hager C. & Sons, Hinge Mfg. Co.** (Wrought Steel Butts, etc), St. Louis, Mo.
**Keystone Friction Hinge Co. ("20th Century" Friction Hinge), Williamsport, Pa.**
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
Laughlin Thos. Co. (Brass & Galvanized for Marine Use), Portland, Ore.
Lawrence Bros. (Also Special), Sterling, Ill.
Lawson Mfg. Co. ("Katz" All Steel Surface & Jam Spring Hinges, "Matchless" Double Acting Floor Spring & Pivot Hinge without Spring), 230 W Superior, Chicago, Ill.
Lockwood Mfg. Co., South Norwalk, Conn.
McKinney Mfg. Co. (Steel Butts, Strap & T), Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
New England Lock & Hinge Co. (Brass Finish & Tin), Winchendon, Mass.
Norwalk Lock Co., South Norwalk, Conn.
Parker Chas. Co., Meriden, Conn.
Parker Supply Co. (For Smoke-Pipes, Ducts, etc.), 441 E 135th, New York
Payson Mfg. Co. (Refrigerator), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reading Hardware Co., Reading, Pa.
Root Chas. J. Co. (Wrought Brass), Bristol, Conn.
Rostand Mfg. Co. (Automobile & Windshield), Milford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
**SCOVILL MFG. CO.** (Brass), Waterbury, Conn. *See adv index at end of book*
Sharon Hardware Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co. (Double Acting Floor), Shelby, O.
Standard Mfg. Co. ("Standard"), Shelby, Ohio
**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Superior Spring Hinge Co., 136 W. Lake, Chicago, Ill.
Tiebout W. & J. (Cast Brass), 118 Chambers, New York
Western Brass Mfg. Co., 217 Tehama, San Francisco, Cal.
Wilcox, Crittenden & Co., Inc. (Galvanized & Brass for Marine Trade); Middletown, Conn.
*See adv index at end of book*
Woodruff W. W. & Sons Co. (Carriage Door), Mount Carmel, Conn.
Wrightsville Hardware Co. (Shutter, Blind & Gate), Wrightsville, Pa.

## 6083—Hinges (Automobile Hood & Lamp)

Bossert Corp., The, cor Linden St & West av, Utica, N. Y.
*See adv index at end of book*
Bronson Homer D. Co., Beacon Falls, Conn
Waterbury Brass Goods Corp., Waterbury, Conn.

## 6084— Hinges (Awning)

Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 6084a— *Hinges (Back Flap)

**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 6084b—*Hinges (Bag & Suit Case)

**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 6084c—*Hinges (Ball-Bearing, Steel Butt)

**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 6084d—Hinges (Bed, Lounge)

Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 6085— Hinges (Beer Case)

Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
20th Century Machinery Co., 425 E Water, Milwaukee, Wis.

## 6086—Hinges (Blind & Shutter)

Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Austin & Eddy, 117 Broad, Boston, Mass.
Enterprise Foundry Co., Rochester, N. Y.
**Enterprise Hardware Mfg. Co., Frederick, Md.**
Grey Iron Casting Co. ("Lull & Porter," "Scholl" Reversible Safety), Mt. Joy, Pa.
Lawrence Bros. (Wrought Steel Inside Blind), Sterling, Ill.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Orr, Galen & Co., Needham, Mass.
Parker, Chas. Co.,, Meriden, Conn.
**Parker Wire Goods Co. ("Hale" & "Benjamin" Automatic Blind)**, Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Peters Jas. & Son (Wrought Iron Shutter), 1934 N Front, Phila., Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS (Wrought Steel)**, New Britain, Conn.
*See adv index at end of book*
Streeter N. R. & Co. ("Huffer" Spring), Rochester, N. Y.
Susquehanna Casting Co., Wrightsville, Pa.
Wrightsville Hardware Co. ("Shepard's" "Niagara," "Clark's" "Buffalo," "Champion," "Pioneer," "Empire" & Mortise Gravity-Locking Blind Hinges & "O.S.," "Acme" & "Queen City" Shutter Hinges), Wrightsville, Pa.

## 6087— Hinges (Box)

Acme Steel Goods Co., 2834 Archer av., Chicago, Ill.
Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
Brainerd Mfg. Co., East Rochester, N. Y.
**CARY MFG. CO.** (Crate, Box, etc), Nassau & Jay, Brooklyn, N. Y.
*See adv index at end of book*
Columbia Hardware Co., Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
**LUDWIG A. & CO.**, 75 Spring, New York
Ryan M. C. Co. ("Ryan," for Fruit & Egg Boxes & Crates, etc), Phoenix, N. Y.
**STANLEY WORKS** ("Atwood," Wrought Steel Hinges & Fasts), New Britain, Conn. *See adv index at end of book*
Williams F. B. Co. (Double Joint, for Bottler of Boxes, etc), 507 E 39th, Chicago, Ill.

## 6088— Hinges (Box Stall)

Lynn Stall Co., Lynn, Mass.

## 6089— Hinges (Butt)

Atlas Mfg. Co. ("Bradley" Steel), New Haven, Conn.
Barrows Lock Co., Lockport, Ill.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Bayer Gardner-Himes Co., 101 Park av, New York
Bronson Homer D. Co. (Wrought Brass), Beacon Falls, Conn.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
Corbin P. & F., New Britain, Conn.
Dayton Mfg. Co.,, Dayton, O.
Dent Hardware Co. (Fast or Loose Joint), Fullerton, Pa.
Detroit Shipbuilding Co. (Brass Department), ft. Orleans, Detroit, Mich.
Enterprise Hardware Mfg. Co., Frederick, Md.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Griffin Mfg. Co. (Steel), Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel & Bronze Metal), St. Louis, Mo.
Lawrence Bros. (Wrought Steel, Loose Pin, Narrow, Reversible, Surface, etc.), Sterling, Ill.
Lockwood Mfg. Co., South Norwalk, Conn.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
National Lock Co. (Brass & Brass Plated Cabinet), Rockford, Ill.
National Mfg. Co. (Wrought Steel, Ornamental, Surface, Narrow, Reversible, etc.), Sterling, Ill.

Norwalk Lock Co., South Norwalk, Conn.
Penn Hardware Co. (Bronze Cast), Reading, Pa.
Plume & Atwood Mfg. Co. (Brass, Wrought Brass), Waterbury, Conn.
Racine Metal Stamping Co. ("Racine" Spring), Racine, Wis.
Reading Hardware Co., Reading, Pa.
Root Chas. J. Co. (Wrought Brass), Bristol, Conn.
Russell & Erwin Mfg. Co. (Brass, Bronze, etc.), New Britain, Conn.
Sager Lock Co., No. Chicago, Ill.
Sargent & Co., New Haven, Conn.
**SCOVILL MFG. CO.** (Brass), Waterbury, Conn. *See adv index at end of book*
Sharon Hardware Mfg. Co. (Wrought Steel Door, Cupboard, etc, Ornamental Surface, Half-Surface. Also Loose Pin), Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.
Tiebout W. & J, (Cast Brass), 118 Chambers, New York
Waterbury Brass Goods Corporation (Brass), Waterbury, Conn.
Western Brass Mfg. Works (Cast Brass or Bronze), Marshall blvd & W 21st, Chicago, Ill.

## 6089a— Hinges (Cabinet)

Corbin Cabinet Lock Co., New Britain, Conn.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
McKinney Mfg. Co., Locust, Phila., Pa.
Nat'l Brass Co., Grand Rapids, Mich.
Stanley Works, New Britain, Conn. *See adv index at end of book*

## 6090—Hinges (Casement Window)

Ellison Brass Mfg. Co., Jamestown, N. Y.
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
**STANLEY WORKS** ("Eschweilers Patent"), New Britain, Conn *See adv index at end of book*
Steiner & Voegtly Hdwe. Co. (Geisey's"), 230 Diamond, Pittsburgh, Pa.
Whitney Window Corp., Minneapolis, Minn.

## 6091— Hinges (Cellar Door)

Griffin Mfg. Co., Erie, Pa.
Peters Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa.

## 6092— Hinges (Chest)

Brainerd Mfg. Co. (Also Cabinet), East Rochester, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lawrence Bros. (Wrought Steel), Sterling, Ill.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*

## 6093— Hinges (Cigar Box)

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Ludwig A. & Co., 75 Spring
Schoenhut A. Co., Sepviva & Adams, Phila., Pa.

## 6094— Hinges (Closet Seat)

American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
Attwood Brass Works, Grand Rapids, Mich.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Burlington Brass Works, Burlington, Wis.
Campbell J. B. Brass Works, Erie, Pa.
Chicago Spring Butt Co. (Spring), 1500 Carroll av, Chicago, Ill.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
Haydenville Co., Haydenville, Mass.
Kretschmer Mfg. Co., Dubuque, Ia.
McLane Mfg. Co., Milford, N. H.
Miller, Chas. A. Co. (Offset, Two & Three Leaf, etc.), Sturgis, Mich.
Morency-Van Buren Mfg. Co. ("M. V. B."), Sturgis, Mich.
Mott J. L. Iron Works, Trenton, N. J.
Pfau Mfg. Co., Mentor & Huston, Norwood, Cincinnati, O.
Pickering R. S., Sharon Hill, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reading Hardware Co., Reading, Pa.
Sherwood Brass Wks. ("Climax"), 1167 Jefferson E., Detroit, Mich.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*
Union Metal Works, Chelsea, Mass.
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.

## 6094a— *Hinges (Concealed)

Stanley Works (For Auto Doors), New Britain, Conn. *See adv index at end of book*

## 6095— Hinges (Continuous)

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn. *See adv index at end of book*
Waterbury Brass Goods Corporation (Piano), Waterbury, Conn.

## 6095a—*Hinges (Corrugated)

Stanley Works, New Britain, Conn. *See adv index at end of book*

## 6096— Hinges (Crate)

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Stanley Works, New Britain, Conn. *See adv index at end of book*

## 6097—Hinges (Drain Board)

Trenton Brass & Machine Co., Trenton, N. J.

## 6098— Hinges (End Gate)

Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*

## 6099—Hinges (Engine House)

Berry Chas. E. ("Berry" Door Hinge for Fire Depts., etc), Somerville, Mass.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.

## 6100-1— Hinges (Extension)

Dent Hardware Co., Fullerton, Pa.

## 6102—Hinges (Fire Shutter)

Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.

## 6103— Hinges (Floor)

Allith-Prouty Co. ("Prouty" Adjustable Double Acting Ball & Roller Bearings, "Squaw"), Danville, Ill.
Bommer Spring Hinge Co. (Spring Surface, Horizontal Compression Type), 263 Classon av, Brooklyn, N. Y.
Champion Hardware Co. ("Champion" Ball Bearing), Geneva, O.
Chicago Spring Butt Co. (Ball Bearing, Double Acting), 1500 Carroll av, Chicago, Ill.
Corbin P. & F., New Britain, Conn.
Lawson Mfg. Co. ("Katz," Ball Bearing All Steel Surface Floor Spring), 234 W Superior, Chicago, Ill.
Racine Metal Stamping Co. ("Racine" Surface Floor Spring & Cup Floor Spring), Racine, Wis.
Russell & Erwin Mfg. Co. ("Russwin" Double Acting Spring), New Britain, Conn.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co. ("Shelby Chief" Double Acting Spring, Ball Bearing, etc), Shelby, O.
Standard Mfg. Co. ("Standard"), Shelby, O.
Stover Mfg. & Engine Co. ("New Ideal" Double Acting), Freeport, Ill.
Superior Spring Hinge Co. ("Superior" Surface Spring), 136 W Lake, Chicago, Ill.

## 6104— Hinges (Friction)

Keystone Friction Hinge Co., Williamsport, Pa.
Stanley Works, New Britain, Conn. *See adv index at end of book*

## 6105— *Hinges (Garage)

Griffin Mfg. Co., Erie, Pa.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*

## 6106-7-8— Hinges (Gate)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Chicago Spring Butt Co. (Spring), 1500 Carroll av, Chicago, Ill.
Corbin P. & F., New Britain, Conn.
Grey Iron Casting Co. ("Clarks" Reversible Hinge & Latch, "Donegal," "Self-Closing," All with Latch), Mt. Joy, Pa.
Griffin Mfg. Co. (End Gate), Erie, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Lawrence Bros. (End Gate), Sterling, Ill.
Parker Chas. Co., Meriden, Conn.
Penn Hardware Co., Reading, Pa.
Peters Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*
Susquehanna Casting Co., Wrightsville, Pa.
Wolf C. K. (Adjustable), Xenia, O.
Wrightsville Hardware Co. ("Shepherd's" or "Clark's" Reversible & Self-Closing Hinges & Latches), Wrightsville, Pa.

## 6109— Hinges (Invisible)

Braun J. G., 609 S Paulina, Chicago, Ill.
Soss Mfg. Co., Grand av, Brooklyn, N. Y.

## 6110— Hinges (Mirror)

Eagle Lock Co., Terryville, Conn.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## 6111— Hinges (Office Gate)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Carpenter R. F. Mfg. Co. (Gravity Roller Hinges), 978 E 64th, Cleveland, O.
Chicago Spring Butt Co. (Spring), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co. ("Gem"), Cleveland, O.
Dent Hardware Co., Fullerton, Pa.
Griffin Mfg. Co., Erie, Pa.

## 6112— Hinges (Ornamental)

Griffin Mfg. Co., Erie, Pa.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*
**TYLER W. S. CO.**, Cleveland, O. *See adv index at end of book*

## 6113—Hinges (Piano & Organ)

Bronson Homer D. Co. (Brass), Beacon Falls, Conn.
Oakville Co. ("Oco"), Piano Only, Waterbury, Conn.
Ramsey Chas. Co., Kingston, N. Y.
**SCOVILL MFG. CO.** (Double Acting), Waterbury, Conn. *See adv index at end of book*

## 6114— Hinges (Pivot)

Lawson Mfg. Co. ("Matchless"), 230 W Superior, Chicago, Ill.

## 6115— Hinges (Plate)

American Ring Co., Waterbury, Conn.
Griffin Mfg Co., Erie, Pa.
Hager C. & Sons Hinge Mfg Co. (Wrought Steel Japanned), St. Louis, Mo.
Peters Jas. & Son (Wrought Iron), 1934 N Front Phila., Pa.
**STANLEY WORKS** (Roller), New Britain, Conn. *See adv index at end of book*

## 6115a— Hinges (Post)

Wilcox Crittenden Co., Middleton, Conn. *See adv index at end of book*

## 6116— Hinges (Refrigerator)

Arcade Mfg. Co., Freeport, Ill
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Brey & Krause Mfg. Co., Allentown, Pa.
**DENT HARDWARE CO.**, Fullerton, Pa.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Grand Rapids Brass Co., Grand Rapids, Mich. *See adv index at end of book*
Greene, Tweed & Co., 109 Duane, New York
Hager C. & Sons Hinge Mfg. Co. (Ornamental Wrought Steel), St. Louis, Mo.
Mound Tool Co. (Malleable Iron & Crucible Steel), 1203 S 7th, St Louis, Mo.
Nat'l Refrigerators Co., 827 Koeln av, St. Louis, Mo.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS** (Wrought Steel & Brass Plain & Corrugated & Wrought Steel Ball Bearing), New Britain, Conn. *See adv index at end of book*
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.

## 6117-8—Hinges (Screen Door)

Allith-Prouty Co. ("Prouty" & "King"), Danville, Ill.
Arcade Mfg. Co. ("A-C" & "Arcade"), Freeport, Ill.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Burgess & Norton Mfg. Co. (Ralph's Combination Reversible, for Screen & Storm Doors), Geneva, Ill
Champion Hardware Co. ("Champion," "Geneva 600" & "7-11" Loose Pin," "Olympia," "Sampson" & "Buffalo") Geneva, O.
Chantrell Hardware & Tool Co., Reading, Pa.
Chicago Spring Butt Co. (Spring), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co. ("Columbian," "Columbia" & "Acorn"), Cleveland, O.
Diehl Novelty Co. ("Diehl"), Glen Beulah, Wis.
Enterprise Hardware Mfg. Co., Frederick, Md.
Grey Iron Casting Co. ("None-Hold Back"), Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Lawrence Bros (Steel), Sterling, Ill.
National Mfg. Co., Sterling, Ill.
Oliver Iron & Steel Co. (All Steel), S 10th & Muriel, Pittsburgh, Pa.
Racine Metal Stamping Co. ("Racine"), Racine, Wis.
Rock City Mfg. Co. ("Jiffy" Detachable), Wabash, Ind.
Russell & Erwin Mfg. Co., New Britain, Conn.
**SCOVILL MFG. CO.**, Waterbury, Conn. *See adv index at end of book*
Sharon Hardware Mfg. Co. (All Steel), Sharon, Pa.
Shelby Spring Hinge Co ("Buckeye," "Shelby" Detachable, Adjustable), Shelby, O
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.
Wagner Mfg. Co. ("Wagner," Screen & Storm Door Butts), Cedar Falls, Ia

## 6119—Hinges (Screen Door, Holdback)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Columbian Hardware Co., Cleveland, O.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.

## 6120—Hinges (Screw Hook & Eye)

Auer John J. (Wrought), 197 Middleton, Brooklyn, N. Y.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lanz M. & Sons, 2907 Carson Pittsburgh, Pa.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 6121-2—Hinges (Screw, Hook & Strap)

Auer John, Jr., 197 Middleton, Brooklyn, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Lawrence Bros., Sterling, Ill.
McKinney Mfg Co., Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co. (Wrought Steel), Sterling, Ill.
Sharon Hardware Mfg. Co., Sharon, Pa.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*

## 6123— Hinges (Showcase)

Columbian Hardware Co., Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Russell & Erwin Mfg. Co., New Britain, Conn.
Scovill Mfg. Co., Waterbury, Conn. *See adv index at end of book*
Shelby Spring Hinge Co., Shelby, O.

## Hinges (Shutter)

See Hinges, Blind & Shutter

## 6124—Hinges (Spring, Bank & Office Railing)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*

## 6125— Hinges (Spring Butt)

Bayer Gardner-Himes Co. ("Awl-in-Wun"), 101 Park av, New York
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. (Single & Double Acting Triplex, etc), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co. ("Gem"), Cleveland, O.
Shelby Spring Hinge Co. ("Shelby"), Shelby, O.

## 6126—Hinges (Spring, Closet Door)

Carpenter R. F. Mfg. Co. (Gravity Roller Hinge), 978 E 64th, Cleveland, O.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Edwardsville Brass Co. (Double Acting Spring), Edwardsville, Ill.

## 6127— Hinges (Spring Door)

Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co. ("Triplex" Spring), 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co. ("Gem"), Cleveland, O.
Crans W. S. (Vanishing), Washington, Ind
Racine Metal Stamping Co. ("Racine"), Racine, Wis.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Scovill Mfg. Co. (Brass), Waterbury, Conn. *See adv index at end of book*
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co., Shelby, O.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Superior Spring Hinge Co. ("Superior" Surface Floor Ball Bearing), 136 W Lake, Chicago, Ill.
Western Brass Mfg. Co., 217 Tehama, San Francisco, Cal.

## 6128—Hinges (Spring, Double Acting)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Barlow Foundry Co. ("Cowell's"), 551 N. J. R. R. av, Newark, N. J.
Carpenter R. F. Mfg. Co. (Gravity Roller Hinge), 978 E 64th, Cleveland, O.
Champion Hardware Co., Geneva, O.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Dayton Mfg. Co., Dayton, O.
Lawson Mfg. Co. ("Katz" Reinforced Single & Double Acting, Also "Matchless" Double Acting Ball Bearing, Mortise Floor), 230 W Superior, Chicago, Ill.
Racine Metal Stamping Co. ("Racine"), Racine, Wis.
Shelby Spring Hinge Co., Shelby, O.
Standard Mfg. Co. ("Standard" Checking), Shelby, O.
Stover Mfg. & Engine Co. ("New Ideal" Jaw Hinges), Freeport, Ill.
Superior Spring Hinge Co. ("Superior"), 136 W Lake, Chicago, Ill.
Western Brass Mfg. Works (Cast Brass, Nickel Plated, etc), Marshall blvd & W 21st, Chicago, Ill.
Western Brass Mfg. Co., 217 Tehama, San Francisco, Cal.

## 6129—Hinges (Spring, Iron Railing Makers')

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.

## 6130—Hinges (Spring, Lavatory)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Carpenter R. F. Mfg. Co. (Gravity Roller Hinge), 978 E 64th, Cleveland, O.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
**COLUMBUS BRASS CO.**, 538 Dublin av, Columbus, O. *See adv index at end of book*
Lawson Mfg. Co. ("Matchless" Brass or Bronze, All Finishes), 230 W Superior, Chicago, Ill.
Sargent & Co., New Haven, Conn.

## 6131-2-3—Hinges (Spring, Marble Work)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Carpenter R. F. Mfg. Co. (Gravity Roller Hinge), 978 E 64th, Cleveland, O.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co. ("Gem"), Cleveland, O.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Edwardsville Brass Co. (Double Acting, etc), Edwardsville, Ill.

## 6134-5-6—Hinges (Spring, Safe Makers')

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.

## 6137—Hinges (Spring, Wrought Brass & Bronze Door)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.

## 6138-9—Hinges (Spring, Wrought Steel)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Hager C. & Sons Hinge Mfg. Co., 2427 De Kalb, St. Louis, Mo.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Metropolitan & Liverpool, Pittsburgh, Pa.
Reading Hardware Co., Reading, Pa.

## 6139— Hinges (Stay)

Eagle Lock Co., Terryville, Conn.

## Hinges (Storm Window)

See Hangers, Storm Sash & Screen

## 6140— Hinges (Strap & T)

American Shovel & Stamping Co., Lorain, O.
Atlas Mfg. Co. ("Atlas" Strap), New Haven, Conn.
Frantz Mfg. Co., Sterling, Ill.
Griffin Mfg. Co. (Pressed Steel), Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Lawrence Bros. (Steel), Sterling, Ill.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co. (Wrought Steel), Sterling, Ill.
Oliver Iron & Steel Co. (Strap Only), S 10th & Muriel, Pittsburgh, Pa.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS** (Wrought Steel, Plain & Corrugated), New Britain, Conn.
*See adv index at end of book*
Wilcox, Crittenden & Co., Inc. (Strap Only), Middletown, Conn.
*See adv index at end of book*

## 6140a— *Hinges (Suit Case)

Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 6141— Hinges (Surface)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Ornamental Wrought), St. Louis, Mo.
Lawrence Bros. (Ornamental), Sterling, Ill.
Lawson Mfg. Co. ("Katz," All Steel Floor & Jam Spring), 230 W Superior, Chicago, Ill.
National Mfg. Co. (Ornamental), Sterling, Ill.
Sharon Hardware Mfg. Co. ("Sharon Beauties"), Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
**STANLEY WORKS** (Surface & Half Surface), New Britain, Conn.
*See adv index at end of book*

## 6142—Hinges (Surface Floor)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.

## 6143— Hinges (Table)

Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Lawrence Bros. (Wrought Steel), Sterling, Ill.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 6143a—*Hinges (Tail Board)

Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 6143b— *Hinges (Trunk)

**STANLEY WORKS** ("Hart's" Wrought), New Britain, Conn.
*See adv index at end of book*

## 6143c— *Hinges (Wardrobe)

**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 6144— Hinges (Wash Tray)

Hager C. & Sons Hinge Mfg. Co., St. Louis, Mo.
Lawrence Bros. (Wrought Steel), Sterling, Ill.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
**STANLEY WORKS** (Wrought Steel), New Britain, Conn.
*See adv index at end of book*

## 6144a—*Hinges (Washing Machine)

**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 6145— Hinges (Wire)

Pickering R S. (Box), Sharon Hill, Pa.
Reading Hardware Co., Reading, Pa.
Smith F. P. & Co. (Wire Box), Sharon Hill, Pa.
Wickwire Spencer Steel Corp., Worcester Mass. *See adv index at end of book*

## 6145a—*Hinges (Wrought Brass, Corrugated)

**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*

## 6146—Hinges (Wrought Steel Butt)

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Griffin Mfg. Co., Erie, Pa.
Hager C. T. Sons Hinge Mfg. Co., St. Louis, Mo.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Penn Hardware Co., Reading, Pa.
**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 6146a— *Hitches (Rope)

**MYERS F. E. & BRO.**, 900 4th, Ashland, O. *See adv index at end of book*

## 6147— Hitchings (Mine Car)

American Chain Co., Bridgeport, Conn.
Fleming J. R. & Son Co., Scranton, Pa.
Harris-Stevens Co., Pittsburgh, Pa.
Irwin Foundry & Mine Car Co., Irwin, Pa.
Macomber & Whyte Rope Co. ("Monarch"), Kenosha, Wis.
Nicholson & Co., Rankin, Pa.
Niles Mine & Mill Supply Co. (Clevis & Hook), Cleveland, O., & Niles, O.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Phillips Mine & Mill Supply Co., 2297 Jane, Pittsburgh, Pa.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co. ("Harris"), Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car co., 307 5th av, Pittsburgh, Pa.
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.
Stine S. B., Osceola Mills, Pa.
United Iron Works, Inc., Kansas City, Mo.
Valley Forging Co., Vernon, Pa.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

## 6148— Hitchings (Screw)

Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 6149— Hobs (Bolt Cutter)

Card S. W Mfg. Co., Mansfield, Mass.
Ellison Bros., Frankford, Philadelphia, Pa.
Putnam Machine Co., Fitchburg, Mass.

## 6150— Hobs (Die)

Brubaker W. L. & Bros. (Solid), Millersburg, Pa.
Carpenter J. M. Tap & Die Co. (Solid, Open Sellers), Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D"), Greenfield, Mass.
*See adv index at end of book*
**KNAPP ARTHUR ENGNG. CORP.**, 19 W 44th, New York
*See adv index at end of book*
Pratt & Whitney Co., Hartford, Ct.

## 6151— Hobs (Gear)

Barber-Colman Co. (Spline Shaft Ratchet & Sprocket), Rockford, Ill.
**CLEVELAND CUTTER & REAMER CO.** (The), (& Special), 161 Merwin av, Cleveland, O.
**MEISELBACH-CATUCCI MFG. CO.**, 56 Stanton, Newark, N. J.
*See adv index at end of book*
National Tool Co., Cleveland, O.
*See adv index at end of book*

## 6152— *Hobs (Long Taper)

**GREENFIELD TAP & DIE CORP.** ("G. T. D"), Greenfield, Mass.
*See adv index at end of book*

## 6153— Hobs (Worm)

Barber-Colman Co., Rockford, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I.
Gould & Eberhardt, 97 N. J. R. R. av, Newark, N. J.
Morey & Co., Inc., 46 Church, New York
*See adv index at end of book*
**NATIONAL TOOL CO.** (Also Spur Gear), Cleveland, O. *See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
Union Twist Drill Co., Athol, Mass.

## 6154— Hods (Coal)

Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Buffalo Mfg. Co., Buffalo, N. Y.
Central Stamping Co. ("Puritan," "Central" Galvanized & Japanned, etc), 174 Fulton, N. Y.
Crunden-Martin Mfg. Co. (Galvanized & Japanned), 2d & Gratiot, St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Franklin Galvanized Ware Mfg. Co., ("Handy") Franklin, Ind.
Gueder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Kreamer A., Inc., 307 Kent av, Brooklyn, N. Y.
Lisk Mfg. Co. (Galvanized), Canandaigua, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
New England Enameling Co. (Galvanized Iron), Middletown, Conn.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Philadelphia, Pa.
Republic Metalware Co., The, Buffalo, N. Y.
Rochester Can Co. ("Iron Horse") (Galvanized), Rochester, N. Y.
*See adv index at end of book*
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (Galvanized & Japanned, Also for Railroads), Wheeling, W. Va.

## 6155-6—Hods (Mortar and Brick)

Anderson W. H. Tool & Supply Co. (Wood), 184 Brush, Detroit, Mich.
Berg Johnson Mfg. Co., 5001 S Wells, Chicago, Ill.
Chesebro, Whitman Co., 1167 1st av, New York
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co. ("Iron Clad," "Never Drip" & "Hercules" Steel), 1231 E 38th, Cleveland, O.
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

HODS (MORTAR & BRICK)—continued

Goldblatt H. Tool Co., 213 E 15th, Kansas City, Mo.
Lansing Co., Lansing, Mich.
Mostberger Iron Co., 878 S Division, Buffalo, N. Y.

## Hods (Steel)

See Hods, Mortar & Brick

## 6157— Hoe Mfrs.

See also Hoes (Steel)

American Axe & Tool Co. (Grub), Glassport, Pa.
American Fork & Hoe Co. ("True Temper," "Mississippi," "Sandwich Islands," "Texas," "Crescent," "Giant," Boys, Field, Garden, Mortar Mixer, Ladies' Cultivator, Planters, Onion Weeders, Turnip Weeding, etc.), Swetland bldg., Cleveland, O.
American Shovel & Stamping Co., Lorain, Ohio
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Collins Co., Collinsville, Conn.
Cronk & Carrier Mfg. Co. (Weeding & Garden), 150 Lake, Elmira, N. Y.
*See adv index at end of book*
Hussey Plow Co., North Berwick, Me.
Iron City Tool Works, Ltd. (Brub, Palmetto, etc), 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co. (Grub, Palmetto, etc), 13th & Breed, Pittsburgh, Pa.
Kohler F. E. Co. (Garden, Field & Weed), Canton, O.
Mann Jas. H. Co. (Planters), Lewistown, Pa.
Maynard C. A. (Planters), Northampton, Mass.
North Wayne Tool Co. (The C. C. Brooks), Hallowell, Me.
Owensboro Shovel & Tool Co. (Goose Neck Cotton, Planter, Garden, Southern Meadow, etc), Owensboro, Ky.
Parlin & Orendorff Co. ("P & O" Rotary), Canton, Ill.
Sandusky Tool Co. (Planters, Grub, Grape, Tobacco, Rice, Cane, Cotton, Street Cleaning, etc), Sandusky, O.
Scovil D. & H. ("Scovil" Hoes), Higganum, Conn.
Smith Jno. C. Hoe & Tool Co. ("Smith" & "Daisy"), Evansville, Ind.
Syracuse Chilled Plow Co. (Berry & Potato), Syracuse, N. Y.
Union Fork & Hoe Co. ("Faultless," "Smith's," "Rhode Island," "Kalamazoo," "Louisiana" & "Texas," "Meadow-Monarch" Field, Cotton, Garden, Mortar Mixing, Planters, Chopper & Shuffle), Columbus, O.
Union Furnace Mfg. Co. (Malleable Iron), Union Furnace, Pa.
Wallingford Mfg. Co. (Garden, Cotton, Planters, etc), Wallingford, Vt.
Warren Tool & Forge Co. (Grub, Hazel, Palmetta), Warren, O.
*See adv index at end of book*
Warwood Tool Co. (Grub & Hazel), Warwood, Wheeling, W. Va.

## 6158—Hoes (Asphalt Patching)

Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 6159— Hoes (Cultivator)

American Fork & Hoe Co. (5 Prong), Swetland bldg., Cleveland, O.
Cronk & Carrier Mfg. Co. ("Cronk"), 150 Lake, Elmira, N. Y.
*See adv index at end of book*
Norcross C. S. & Sons ("Norcross" 3 & 5 Prong Garden), Bushnell, Ill.

## 6160—Hoes (Garden, Wheel)

Allen S. L. Co., 5th & Glenwood), Phila., Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Avery B. F. & Sons, Lousiville, Ky.
Bacon Mfg. Co., Pontiac, Mich.
Bateman Mfg. Co. ("Gem," "Iron Age"), Grenloch, N. J.
Everts Mfg. Co. ("Improved Meridian"), Meridian, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hussey Plow Co., North Berwick, Me.
Moline Plow Co. ("Empire"), Moline, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Niemann & Hieronymus (Rotary), Mt. Olive, Ill.
Ohio Cultivator Co. ("Climax," "Dexter," "Skaboo"), Bellevue, O.
Thornburg Mfg. Co. ("Toledo"), Bowling Green, O.

## Hoes (Grub)

See Picks, Mattocks & Grub Hoes

## 6161— Hoes (Horse)

Adams S. & Son, Rome, N. Y.
Allen S. L. & Co. ('Planet, Jr."), 5th & Glenwood, Phila., Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Benecia Agricultural Works, Benecia, Cal.
Empire Plow Co., 3140 E 65th, Cleveland, Ohio
Hussey Plow Co. (Potato), N. Berwick, Me.

## 6162— Hoes (Motor)

Wallingford Mfg. Co., Wallingford, Vt.

## 6163— Hoes (Onion)

Clark W. J. Co., Salem, O.

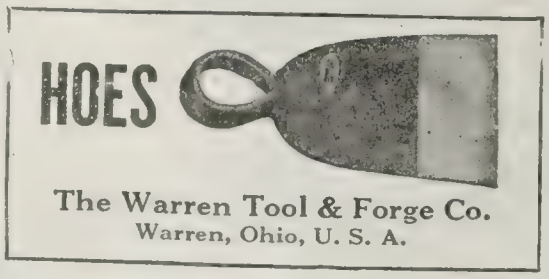
## 6164— Hoes (Scuffle)

Potter Mfg Co., Geneva, O.
Union Fork & Hoe Co. (Railroad, Garden, etc), Columbus, O.

## 6164a— *Hoes (Steel)

See also Hoe Mfrs.

Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*



The Warren Tool & Forge Co.
Warren, Ohio, U. S. A.

## 6165— Hogs (Saw Mill)

Bartlett A. F. & Co., Saginaw, Mich.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Manistee Iron Works Co., Manistee, Mich.
Mitts & Merrill, Saginaw, Mich.

## 6166— Hogsheads

American Stave & Cooperage Co., Chelsea, Mass.
Armer Clarence H. & Bro., Augusta, Ky.
Baltimore Cooperage Co., The (For Wine Mfrs.), Ostend & Leadenhall, Baltimore, Md. *See adv index at end of book*
Fridman Lumber Co., New Richmond, O.
Huntington Hogshead & Specialty Mfg. Co., Huntington, W. Va.
Mayfield Planing Mills, Mayfield, Ky.
Ryan John (Estate of), Hoboken, N. J.
Waller Mfg. Co. (Tobacco), Lexington, Ky.
Williams S. C. & Co., East Liverpool, O.

## 6166a— *Hoists (Air)

Northern Engineering Co., 9 Chene, Detroit, Mich. *See adv index at end of book*

## Hoists (Air Cylinder)

See Pneumatic Hoists

## Hoists (Air Motor)

See Pneumatic Hoists

## 6167— Hoists (Ash)

American Engng. Co., Aramingo & Cumberland, Phila., Pa.
Chain Belt Co., Milwaukee, Wis.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Dake Engine Co., Grand Haven, Mich.
**DETROIT HOIST & MACHINE CO.**, Detroit, Mich. *See adv index at end of book*
Ernst, Chas. K., Buffalo, N. Y.
Hyde Windlass Co., Bath, Me.
Insley Mfg. Co. (Automatic Dumping Bucket), 3500 E St. Claire, Indianapolis, Ind.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila, Pa. *See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
New Jersey Foundry & Machine Co., "Delta," 89 West, New York
**NORTHERN ENGINEERING WORKS** (For Power Plants), 9 Chene, Detroit, Mich. *See adv index at end of book*
Republic Struc'l Iron Wks. Co., 350 E 53rd, Cleveland, O.
Robins Conveying Belt Co., 13 Ann, New York *See adv index at end of book*
Schramn Chris D. & Son, Inc., 709 Arch, Phila, Pa.
Sharp Rotary Ash Receiver Co., Binghamton, N. Y.
Specialty Device Co., 106 W 3rd, Cincinnati, O.
**SPEIDEL JOHN G.** (Cellar), Reading, Pa. *See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E. 136th, New York.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 6168— Hoists (Ash Can)

Ernst C. K., Buffalo, N. Y.
Gillis & Geoghegan ("G. & G."), 537 W B'way, New York

## 6169—Hoists (Auto, Dump Body Operating)

Hydraulic Hoist Mfg. Co., St. Paul, Minn.
Lally Commercial Body Co., Everett, Mass.
Lee Loader & Body Co., 2343 S La Salle, Chicago, Ill.
Miesel Press Mfg. Co. (Hand), 942 Dorchester av, Boston, Mass.
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.
Wood Hydraulic Hoist & Body Co., 1026 Bellevue, Detroit, Mich.
Wright Thos. Co., 71 Colden, Jersey City, N. J.

## 6170— Hoists (Beef)

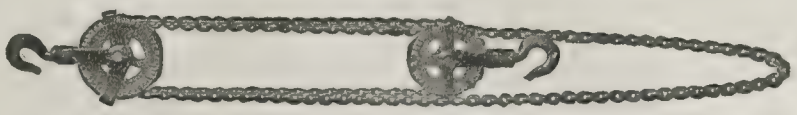
Allbright-Nell Co. (Friction for Packing Houses, etc), 5315 Western av, Chicago, Ill.
Treece W. C. & Co. ("Peerless" for Slaughtering Beef, etc), Findlay, O.

## 6171-2-3— Hoists (Belt)

See also Engines, Hoisting

American Hoist & Derrick Co. (Double Friction Drum), St. Paul, Minn.
**BUFFALO HOIST & DERRICK CO.**, 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co. (Friction Drum, etc), Duluth, Minn.
*See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
English Iron Works Co. ("Samson" Double & Single Friction Drum), Kansas City, Mo.
Erie Clutch & Pulley Co., Erie, Pa.
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.

# Chain-Hand Made of Iron, Machine Made of Steel
## Red Line Chain Hoists



## Green Head Jack Screws

MANUFACTURED BY

## CLINTON E. HOBBS CO.

37 PEARL STREET BOSTON, MASS.


Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
National Hoisting Engine Co. (Single & Double Friction Drum, etc.), Harrison, N. J.
O. K. Clutch & Machinery Co. ("O. K."), Columbia, Pa.
*See adv index at end of book*
Schramn Chris. D. & Son, Inc., 709 Arch, Phila, Pa.
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
Street Bros. Mach. Wks., Chattanooga, Tenn.
Sybilla Elevator & Mfg. Co., Chattanooga, Tenn.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

### Hoists (Blast Furnace)

See Hoists, Steam

### Hoists (Body- Dumping)

See Hoists, Auto, Dump Body Operating

### Hoists (Builders')

See Hoists, Contractors' Material; also Elevators, Hod

### 6174—Hoists (Builders' Electric)

See also Hoists, Electric

**BUFFALO HOIST & DERRICK CO.,** 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
Clyde Iron Works Sales Co. (Also Belt & Steam), Duluth, Minn.
*See adv index at end of book*
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
O. K. Clutch & Machinery Co. ("O.K.") Columbia, Pa.
*See adv index at end of book*
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

### 6175— *Hoists (Cableway)

**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

### 6175a— Hoist (Cargo)

Dake Engine Co, Grand Haven, Mich.
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
*See adv index at end of book*
**MUNDY J. S. HOISTING ENGINE CO.,** 722 Frelinghuysen av., Newark, N. J.
*See adv index at end of book*

### 6176— *Hoists (Cellar)

Curran, Jos. H., Elevator Co., 116 W. Second, Cincinnati, Ohio.
**SPEIDEL JOHN G.** ("Speidel" Vertical & Inclined), Reading, Pa.
*See adv index at end of book*

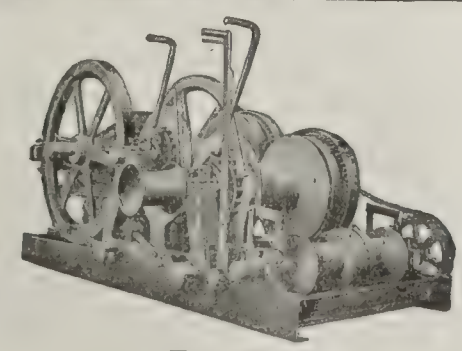
### 6177-8— Hoists (Chain)

See also Pneumatic Hoists

Abell Howe Co. (Block), 332 S Michigan, Chicago, Ill.
Blethen Hugh R., 21 Park Row, New York
Boston & Lockport Block Co. ("Star"), 100 Condor, East Boston, Mass.
Box Alfred & Co., 813 N Front, Phila., Pa.
Channon Jas. H. Mfg. Co. ("Union" Weston Differential), 227 W Erie, Chicago, Ill.
Chisholm-Moore Mfg. Co. ("Cyclone" High Speed "Moore's" Anti-Friction, with Automatic Brake, "Direct" Differential), 3046 Lakeside, Cleveland, O.
Curtis & Co. Mfg. Co. (Pneumatic), 1571 Kienlen av, St. Louis, Mo.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Dunn Jas. P. ("Bailey"), Cleveland, O.
Ford Chain Block & Mfg. Co. ("Tribloc"), 2nd & Diamond, Phila., Pa.
**GILBERT GRANT CO.,** Grand Central Terminal, New York.
*See adv index at end of book*
**GODFREY-KEELER CO.,** 70 Warren, New York *See adv index at end of book*
Harrington Edwin Son & Co. ("Peerless"), 17th & Callowhill, Phila., Pa.
**HOBBS CLINTON E. CO.** ("Weston" "Red Line," Differential), 33 Patten, Boston, Mass.
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Irving Mfg. & Tool Co., 157 Chambers, New York
Lakeside Bridge & Steel Co., North Milwaukee, Wis.
*See adv index at end of book*
Moore Franklin Co. ("Acme," "Imperial," ¼ to 20 tons), Winsted, Conn.
New Jersey Foundry & Machine Co., "Delta," 89 West, New York
**NORTHERN ENGINEERING WORKS** ("Electric"), 9 Chene, Detroit, Mich.
*See adv index at end of book*
**READING CHAIN BLOCK CORP.,** Reading, Pa. *See adv index at end of book*
**ROUND D. & SON** ("Superior"), Penn R. R. & Henry, Cleveland, O.
Ryerson Jos. T. & Son, 910 Corn Exch. bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
**SPEIDEL JOHN G.** ("Simplex"), Reading, Pa. *See adv index at end of book*
Sybilla Elevator & Machine Co., 214 W. Ontario, Chicago, Ill.
Whiting Foundry Equipment Co. (Chain & Rope), 157th & Halstead, Chicago, Ill.
Wright Mfg. Co. ("Wright" High Speed), Lisbon, O.
Yale & Towne Mfg. Co. ("Yale" "Differential, Yale" Spur Geared and "Yale" Screw Geared), Stamford, Conn.

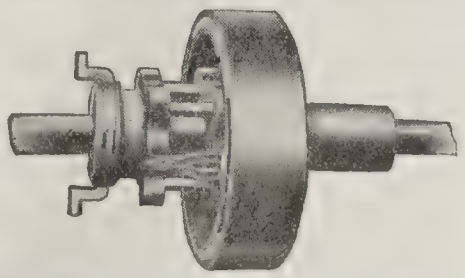
### 6179—Hoists (Coal Handling)

Alvey-Ferguson Co., 70 North av, Oakley Cincinnati, O.
Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Ireland Machine & Fdy. Co. ("Ireland"), Norwich, N. Y.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*

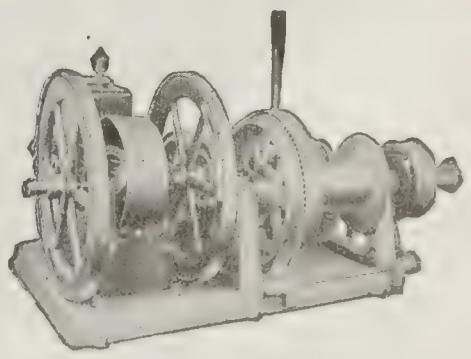
Type "D"

Double Drum with Boom Swinger for Derrick Hoist



Combined Friction and Positive Clutch. The Only Clutch of Its Kind on the Market

*Write for Catalog Illustrating O.K. Line*



Type "C"

Contractors' Reversible Hoist

## O. K. Clutch & Machinery Co. : Columbia, Pa.

HOISTS (COAL HANDLING)—continued

**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. &. R. Ry., Phila., Pa.
*See adv index at end of book*
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS** (For Unloading Cars, Vessels, etc), 9 Chene, Detroit, Mich.
*See adv index at end of book*
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York
*See adv index at end of book*

## 6180—Hoists (Coal, Incline Traveling)

Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
**ROBINS CONVEYING BELT CO.,** 13 Ann, New York
*See adv index at end of book*

## 6181—Hoists (Combined with Trolley)

**GILBERT GRANT CO.,** Grand Central Terminal, New York.
*See adv index at end of book*
**HOBBS CLINTON E. CO.** ("Red Line"), 33 Pearl, Boston, Mass.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York. *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. &. R. Ry, Phila., Pa.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.

## 6182—Hoists (Concrete Bucket)

Ireland Machine & Fdy. Co. ("Ireland"), Norwich, N. Y.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
O. K. Clutch & Machinery Co. ("O.K."), Columbus, Pa.
*See adv index at end of book*
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

## 6183—Hoists (Contractors' Material)

See also Elevators, Hod

American Cement Machine Co., Koekuk, Ia.
**Archer Iron Works (Steel Skeleton),** 2436 W 34th pl, Chicago, Ill.
**Atkinson W. H. Co., Hoboken, N. J.**
Bates & Edmonds Motor Co. (Gasoline for Double Platform), Lansing, Mich.
**Biegert J. C. Machine Works, Seattle,** Wash.
**Buffalo Hoist & Derrick Co. (Wheelbarrow),** 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
**Byers John F. Machine Co., 242 S Sycamore, Ravenna, O.**
*See adv index at end of book*
C. H. & E. Mfg. Co. ("C. H. & E." Single Drum Double Acting Engine or Motor Driven), 384 Clinton, Milwaukee, Wis.
**Channon Jas. H. Mfg. Co. (Belt, Electric, Gasoline, Portable, etc),** 227 W. Erie, Chicago, Ill.
**Clyde Iron Works Sales Co.,** Duluth, Minn.
*See adv index at end of book*
**Dake Engine Co. (Steam or Air), Grand Haven, Mich.**
**William A. Box Iron Works Co.,** 3309 Blake, Denver, Colo.
**Erie Clutch & Pulley Co., Erie, Pa.**
**Fairbanks Co., 416 Broome, New York.**
**Fischer & Hayes Rope & Steel Co.,** 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Grote F. Mfg. Co., Evansville, Ind.
Insley Mfg. Co. (Steel Skeleton), 3500 E St. Clair, Indianapolis, Ind.
**IRELAND MACHINE FOUNDRY CO.,** Norwich, N. Y.
*See adv index at end of book*
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lakeside Bridge & Steel Co., North Milwaukee, Wis.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York. *See adv index at end of book*
Mead-Morrison Mfg. Co., Cor Prescott & Orleans, East Boston, Mass.
**MUNDY J. S. HOISTING ENGINE CO.,** 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
National Hoisting Engine Co., Harrison, N. J.
Northwestern Iron Works, Seattle, Wash.
O. K. Clutch & Machinery Co., ("O.K.") Columbus, Pa.
*See adv index at end of book*
Patten Mfg. Co. (Double Platform, Electric Gasoline & Steam), Chattanooga, Tenn.
**Sasgen Derrick Co. (Also Barrel & Auto Truck),** 3101 W Grand av, Chicago, Ill.
Schramn Chris D. & Son Inc., 709 Arch, Phila., Pa.
Seattle Machine Works, 51 W Lander, Seattle, Wash.
Standard Scale & Supply Co., 1631 Liberty av, Pitsburgh, Pa.
*See adv index at end of book*
Street Bros. Machine Works, Chattanooga, Tenn.
Universal Hoist & Mfg. Co., Cedar Falls, Iowa
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.
**Waterloo Cement Machinery Corp. ("Polygon" Gasoline Engine),** Waterloo, Ia.
Waterloo Gasoline Engine Co., Waterloo, Ia.
West Coast Gas Engine Co., San Diego, Cal.

## 6184— Hoists (Derrick)

**Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.**
*See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
**IRELAND MACHINE & FDY. CO.** ("Ireland"), Norwich, N. Y.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York. *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
**O. K. CLUTCH & MACHINERY CO.** ("O. K.") Columbus, Pa.
*See adv index at end of book*
**SHEPARD ELECTRIC CRANE & HOIST CO.,** Montour Falls, N. Y.
*See adv index at end of book*
Standard Scale & Supply Co., 1631 Liberty av, Pitsburgh, Pa.
*See adv index at end of book*
Street Bros. Mach. Wks., Chattanooga, Tenn
Wilson Machinery Co., 301-331 W. 35th, Chicago, Ill.
*See adv index at end of book*

## 6185—Hoists (Dock & Deck)

American Engineering Co. ("Williamson," Steam, Electric & Gasoline), Aramingo & Cumberland, Phila., Pa.
Automatic Machine Co., Bridgeport, Conn.
Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y. *See adv index at end of book*
Byers John F. Machine Co., 242 Sycamore, Ravenna, O.
*See adv index at end of book*
Chase Machine Co. (Single & Double Geared), 2313 Elm, Cleveland, O.
Clyde Iron Works Sales Co. (Steam), Duluth, Minn. *See adv index at end of book*
Dake Engine Co. (Pneumatic or Steam), Grand Haven, Mich.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
William A. Box Iron Works Co. (Dock), 3309 Blake, Denver, Colo.
**Erie Clutch & Pulley Co., Erie, Pa.**
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Ireland Machine & Fdy. Co. ("Ireland"), Norwich, N. Y.
*See adv index at end of book*
Jackson & Church Co., Saginaw, Mich.
Lake Shore Engine Works (Electric), Marquette, Mich.
Lakeside Bridge & Steel Co., North Milwaukee, Wis.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York. *See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Michigan Dredge Co. ("Michigan"), Bay City, Mich.
**MUNDY J. S. HOISTING ENGINE CO.** (Electric & Steam), 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS** (Electric), 9 Chene, Detroit, Mich.
*See adv index at end of book*
**O. K. CLUTCH & MACHINERY CO.** ("O. K"), Columbus, Pa.
*See adv index at end of book*
Schramn Chris D. & Son Inc., 709 Arch, Phila, Pa.
Street Bros. Mach. Wks., Chattanooga, Tenn.
Superior Iron Works Co., Superior, Wis.
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.

## 6186— Hoists (Drum)

See also Engines, Hoisting

American Hoist & Derrick Co., St. Paul, Minn.
**Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.**
*See adv index at end of book*
Clover Leaf Machine Co., S. Bend, Ind.
Clyde Iron Works Sales Co., (Friction Drum, Electric), Duluth, Minn.
*See adv index at end of book*
Erie Clutch & Pulley Co., Erie, Pa.
Farrell John & Son, Newton, N. J.
Foote Co. ("Foote" Single Friction), Nunda, N. Y.
Ireland Machine & Fdy. Co. ("Ireland"), Norwich, N. Y.
*See adv index at end of book*
**Lake Shore Engine Works, Marquette, Mich.**
Lakeside Bridge & Steel Co., North Milwaukee, Wis.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
**Minneapolis Steel & Machinery Co. ("Twin City" Electric, Gasoline & Steam),** 2854 Minnehaha av, Minneapolis, Minn.
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Street Bros. Mach. Wks., Chattanooga, Tenn.
**Stroudsburg Engine Works, Stroudsburg, Pa.**
Superior Iron Works Co., Superior, Wis.
Vulcan Mfg. Co., 1200 4th av, so, Seattle, Wash.

## 6187— Hoists (Electric)

See also Pneumatic Hoists; also Cranes, Hand Power; also Cranes, Electric

Abell-Howe Co., 322 S Michigan av, Chicago, Ill.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**American Hoist & Derrick Co. (Single & Double Friction Drum, etc),** St. Paul, Minn.
Baker Iron Wks., Los Angeles, Cal.
Barber-Foster Engineering Co., Swetland Bldg., Cleveland, Ohio.
Blethen Hugh R., 21 Park Row, New York
Box Alfred & Co. (Monorail, etc), 813 N Front, Phila., Pa.
Brown Hoisting Machinery Co., 4403 St. Clair, N E Cleveland, O.
**BROWNING, SOMMER, ADAMS,** Cleveland, O.; Mansfield, O., and College Point, New York.
*See adv index at end of book*

# SHEPARD
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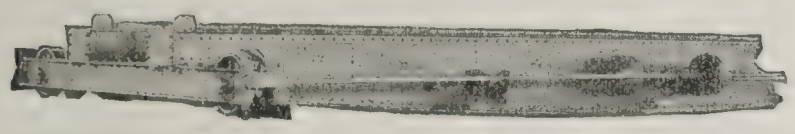

Shepard design recognizes the imperative importance of adequate provision for thorough automatic lubrication, permanent alignment, by means of the *Balanced Drive*, complete enclosure and accessibility.

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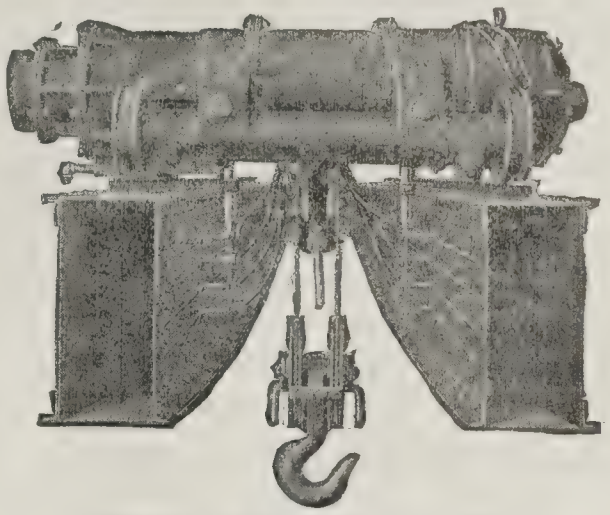

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**BUFFALO HOIST & DERRICK CO.,** ("Buffalo"), 131 Erie, Buffalo, N. Y.
*See adv index at end of book*

Byers John F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*

Cline A. J. ("Reliable"), 343 S Dearborn, Chicago, Ill.

Clyde Iron Works Sales Co. (Friction Drum), Duluth, Minn.
*See adv index at end of book*


**Hoists (Electric) Friction Drum**
Manufactured By
CLYDE IRON WORKS
**CLYDE IRON WORKS SALES CO.**
Sole Distributors
DULUTH, MINN.


Dake Engine Co., Grand Haven, Mich.
Denver Engineering Works Co., Denver, Colo.

**DETROIT HOIST & MACHINE CO.** (Portable), Detroit, Mich.
*See adv index at end of book*


**HOISTS—ELECTRIC**
Portable and Monorail
FOR EVERY PURPOSE
**DETROIT HOIST & MACHINE CO.**
DETROIT, MICH.


Eagle Iron Works, Des Moines, Ia.
**Economy Engineering Co., Willoughby, O.**
**Erie** Clutch & Pulley Co., Erie, Pa.

Euclid Crane & Hoist Co. (Travelling Mona Rail), Euclid, O.
*See adv index at end of book*


**ELECTRIC HOISTS**
THE EUCLID CRANE & HOIST CO.
EUCLID, OHIO


Exeter Machine Works, Pittston, Pa.
**Fair Haven Foundry & Machine Co., Fair Haven, Vt.**
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Finch Mfg. Co., Scranton, Pa.
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Galena Iron Works Corp., Galena, Ill
**GILBERT-GRANT CO.,** Grand Central Terminal, New York.
*See adv index at end of book*
Grote F. Mfg. Co., Evansville, Ind.
**Haiss Geo. Mfg. Co., 141st & Rider av,** New York
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
**Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.**
**Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.**
*See adv index at end of book*
Kansas City Elevator Mfg. Co., Kansas City, Mo.
Lake Shore Engine Works (Portable Derrick & Mining), Marquette, Mich.
Lakeside Bridge & Steel Co., North Milwaukee, Wis.
*See adv index at end of book*
**Lambert Hoisting Engine Co., 117 Poinier,** Newark, N. J.
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry, Phila., Pa.
*See adv index at end of book*


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Maine Electric Co., Portland, Me.
**Maris Bros., 56th & Gray's av, Phila., Pa.**
Mead-Morrison Mfg. Co., Cor. Prescott & Orleans, East Boston, Mass.
**Minneapolis Steel & Machinery Co. ("Twin City" Single, Double & Triple Friction** Drum), 2854 Minnehaha av, Minneapolis, Minn.
Moore-Franklin Co., Winsted, Conn.
**MUNDY J. S. HOISTING ENGINE CO.,** 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
National Hoisting Engine Co. (Double Friction Drum, etc), Harrison, N. J.
National Iron Co., Duluth, Minn.
New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York
**NORTHERN ENGINEERING WORKS** (Chain), 9 Chene, Detroit, Mich.
*See adv index at end of book*
Orr & Sembower, Reading, Pa.
Otis Elevator Co., 26th & 11th av, New York

HOISTS (ELECTRIC)—continued

Ottumwa Iron Works, Ottumwa, Iowa
Patten Mfg. Co. ("Patten," Variable Speed), Chattanooga, Tenn.
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
Pneumelectric Machine Co., Syracuse, N. Y.
Portland Co., Portland, Me.
Reading Chain & Block Corp., Reading, Pa. *See adv index at end of book*
Roeper Crane & Hoist Works, Reading, Pa.
Sackett Mine Supply Co., 164 N 3d, Columbus, O.
San Francisco Engineering Co., 322 6th San Francisco, Cal.
**SHEPARD ELECTRIC CRANE & HOIST CO.**, Montour Falls, N. Y.
*See adv index at end of book*
Shriver T. & Co., Harrison, N. J.
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
South Side Foundry & Machine Works, Charleston, W. Va.
Sprague Electric Works, 527 W 34th, New York
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Street Bros. Machine Works, Chattanooga, Tenn.
Stroudsburg Engine Works (Friction, Drum, etc), Stroudsburg, Pa.
Sybilla Elevator & Mfg Co., Chattanooga, Tenn.
Thomas Elevator Co., 20 S Hoyne, Chicago, Ill.
**TOLEDO BRIDGE & CRANE CO.**, 2500 Dorr, Toledo, O.
*See adv index at end of book*
Union Iron Works, Spokane, Wash.
Vulcan Mfg. Co., 1200 4th av, So. Seattle Wash.
**WELLMAN - SEAVER - MORGAN CO.**, Cleveland, O. *See adv index at end of book*
Weir & Craig Mfg. Co. (1-2 to 5 tons), 6316 Wentworth av, Chicago, Ill.
Yale & Towne Mfg. Co. ("Yale") (Chain Wire), Stamford, Conn.
Young R. W. Mfg. Co. (¼ to 5 tons), 80 E Jackson blvd, Chicago, Ill.

## 6188—Hoists (Electric Chain)

Sprague Electric Works, 527 W 34th, New York

## Hoists (Electric Mine)

See Hoists, Mine

## 6189—Hoists (Electric Monorail)

**ARMINGTON ENGNG. CO.**, Euclid O.
*See adv index at end of book*
**GILBERT-GRANT CO.**, Grand Central Terminal, New York.
*See adv index at end of book*
Hoisting Machy. Co., 50 Church, New York
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS** 9 Chene, Detroit, Mich.
*See adv index at end of book*
**O. K. CLUTCH & MACHINERY CO.** ("O. K.") Columbia, Pa.
*See adv index at end of book*
**SHEPARD ELECTRIC CRANE & HOIST CO.**, Montour Falls, N. Y.
*See adv index at end of book*

## 6189a—*Hoists (Electric Portable)

**NORTHERN ENGINEERING WORKS**, 9 Chene, Detroit, Mich.
*See adv index at end of book*

## 6190—Hoists (Electric, Reversible Friction)

Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.

## 6191—Hoists (Electric Traveling)

See also Cranes, Electric Traveling

Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
**EUCLID CRANE & HOIST CO.** (Monorail), Euclid, O.
*See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
Gilbert-Grant Co., Grand Central Terminal, New York.
*See adv index at end of book*
**HOISTING MACHY. CO.**, 50 Church, New York *See adv index at end of book*
**LAKESIDE BRIDGE & STEEL CO.**, North Milwaukee, Wis.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS**, 9 Chene, Detroit, Mich.
*See adv index at end of book*
Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
**READING CHAIN & BLOCK CORP.**, Reading, Pa.
*See adv index at end of book*
Roeper Crane & Hoist Works, Reading, Pa.
**SHEPARD ELECTRIC CRANE & HOIST CO.** (Also Electric Trolleys), Montour Falls, N. Y. *See adv index at end of book*
Sprague Electric Works, 527 W 34th, New York
**TOLEDO BRIDGE & CRANE CO.**, 2500 Dorr, Toledo, O.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash. *See adv index at end of book*

## Hoists (Electric Trolley)

See Hoists, Electric Traveling

## 6191a— Hoists (Elevator)

Drake Engine Co., Grand Haven, Mich.

## 6192—Hoists (Friction & Flat Friction)

Byers Jno. F. Machine Co. (Cone), 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Cooley Wright Mfg. Co., Waterbury, Vt.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Erie Clutch & Pulley Co., Erie, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
McFarlane-Eggers Machinery Co., Denver, Colo.
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.

## 6193— Hoists (Furnace)

Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
**LIDGERWOOD MFG. CO.** (Blast), 96 Liberty, New York
*See adv index at end of book*

## 6194—Hoists (Furnace Door)

(For Tempering & Annealing Furnaces)
Cameron Engineering Co., E. Stroudsburg, Pa.
Curtis & Co. Mfg. Co. (Air), 1571 Kienlen av, St. Louis, Mo.

## 6195— Hoists (Gasoline)

See also Engines, Hoisting, Gas & Gasoline

Alamo Mfg. Co., Hillsdale, Mich.
American Cement Machine Co., Keokuk, Ia.
Atlas Engng. Co., 3009 Lisbon av, Milwaukee, Wis.
Bates & Edmonds Motor Co., Lansing, Mich.
Brown Clutch Co. ("Little Giant"), Sandusky, O.
Buckeye Engine & Foundry Co., Joliet, Ill.
Byers John F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Charter Gas Engine Co. ("Charter"), Sterling, Ill.
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*

HOISTS
(GASOLENE)
Manufactured By
CLYDE IRON WORKS
CLYDE IRON WORKS SALES CO.
Sole Distributors
DULUTH, MINN.

Corliss Gas Engine Co. (Corliss Mining), 440 Market, San Francisco, Cal.
Erie Clutch & Pulley & Kerosene Co., Erie, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foos Gas Engine Co. (Mine & Contractors, 9 H.P-25 HP.), 800 Monroe, Springfield, O.
**LIDGERWOOD MFG. CO.** (Gas or Gasoline), 96 Liberty, New York
*See adv index at end of book*
Link-Belt Co. ("Lewis") 329 W 39th av, Chicago, Ill., & Hunting Park av & P. R. Ry., Phila., Pa.
*See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Minneapolis Steel & Machinery Co. ("Twin City" Single, Double & Triple Friction Drum), 2854 Minehaha av, Minneapolis, Minn.
**MUNDY J. S. HOISTING ENGINE CO.**, 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Novo Engine Co., Lansing, Mich.
Original Gas Engine Co. ("Ideal"), Lansing, Mich.
Orr & Sembower (Also Kerosene), Reading, Pa.
Patten Mfg. Co., Chattanooga, Tenn.
Price G. W. Pump & Engine Co., 33 Stevenson, San Francisco, Cal.
Street Bros. Mach. Wks., Chattanooga, Tenn.
Sybilla Elevator & Mfg. Co., Chattanooga, Tenn.
Union Gas Engine Co. (Gas), 351 Montgomery, San Francisco, Cal.
Universal Hoist & Mfg. Co. ("Ideal"), Cedar Falls, Iowa
Waterloo Cement Machinery Corp. ("Polygon"), Waterloo, Ia.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia
Western Machinery Co, 900 N. Main, Los Angeles, Cal.

## 6196— Hoists (Grab Bucket)

Byers John F. Machine Co., 242 S. Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
**GILBERT-GRANT CO.**, Grand Central Terminal, New York.
*See adv index at end of book*
Ireland Machine & Foundry Co. ("Ireland") Norwich, N. Y.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS**, 9 Chene, Detroit, Mich.
*See adv index at end of book*
**ROBBINS CONVEYING BELT CO.**, 13 Ann, New York
*See adv index at end of book*
**SHEPARD ELECTRIC CRANE & HOIST CO.**, Montour Falls, N. Y.
*See adv index at end of book*

## 6197—Hoists (Grip, for Hand Elevators)

Ireland Machine & Fdy Co. ("Ireland", Norwich, N. Y.
*See adv index at end of book*
Jordan Bros. (Single, Belt Geared), 74 Beekman, New York

Speidel John G., Reading, Pa.
*See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

## 6198— Hoists (Hand)

See also Elevators, Hand; also Hoists, Chain

American Hoist & Derrick Co. (Also Belt), St. Paul, Minn.
Armington Engng. Co., Euclid, O.
*See adv index at end of book*
Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Coast Engine & Machine Co. (Auto Dump), East Water & Taylor, Portland, Ore.
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*
**EUCLID CRANE & HOIST CO.**, Euclid, O.
*See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
Frick Co., Waynesboro, Pa.
Great Lakes Engineering Works (For Ice Cans), Real Estate Exchange bldg, Detroit, Mich.
**HOBBS CLINTON E. CO.**, ("Red Line"), 33 Pearl, Boston, Mass.
*See adv index at end of book*
**INGERSOLL-RAND CO.** ("Little Tugger" Pneumatic or Steam), 11 B'way, New York *See adv index at end of book*
Kansas City Elevator Mfg. Co., Kansas City, Mo.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
Larrabee Jno. E. Co. (Portable), Amsterdam, N. Y.
Mason Volney W. & Co., 2 Lafayette, Providence, R. I.
Milton S. G. & Son ("Champion" Portable Crane & Hoist), Franklin, Pa.
Mine & Smelter Supply Co. (For Mines, etc), 42 B'way, New York
Motor Specialties Co. ("Simplex Hoister" Ratchet Wire Rope), Waltham, Mass.
New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York
Round D. & Son, Penn. R. R. & Henry, Cleveland, O.
Schramn Chris D. & Son, Inc., 709 Arch, Phila., Pa.
Shriver T. & Co., Harrison, N. J.
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
**SPEIDEL JOHN G.**, Reading, Pa.
*See adv index at end of book*
Warsaw Elevator Co., Warsaw, N. Y., & Dunn bldg, Buffalo, N. Y.

## 6199— Hoists (Head Gate)

Coldwell-Wilcox Co., Newburgh, N. Y.
**DAYTON BEATER & HOIST CO.**, Dayton, O. *See adv index at end of book*
Dayton Globe Iron Works Co., Dayton, O.
Dilts Machine Works (Inc.) (For Water Power Developments), Fulton, N. Y.
**SMITH S. MORGAN CO.**, York, Pa.
*See adv index at end of book*

## Hoists (Hod)

See Elevators, Hod

## 6200— Hoists (Hydraulic)

Chambersburg Engng. Co., Chambersburg, Pa.
Coast Engine & Machine Works, E Water & Taylor, Portland, Ore.
Heil Co. (Power for Dump Trucks), 26th & Montana avs, Milwaukee, Wis.
Horizontal Hydraulic Hoist Co., 608 Gratiot, Detroit, Mich.
Hydro-Hoist Co., 26th & Montana avs, Milwaukee, Wis.
Kansas City Elevator Mfg. Co., Kansas City, Mo.

## 6201—*Hoists (Incline Trenching)

**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*

## 6202— Hoists (Log)

Jeffrey Mfg. Co., 961 N 4th, Columbus O.
*See adv index at end of book*

## 6203— Hoists (Mine)

Alamo Mfg. Co. (Gasoline, Alcohol, etc), Hillsdale, Mich.
Byers John F. Machine Co. 242 Sycamore, Ravenna, O.
*See adv index at end of book*
Connellsville Mfg. & Mine Supply Co. (Steam & Electric), Connellsville, Pa.
Dake Engine Co., Grand Haven, Mich.
Denver Engng. Works Co. (Electric), Denver, Colo.
Diamond Machine Co. (Electric), Monongahela, Pa.
Eagle Iron Works (Steam & Electric), Des Moines, Ia.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Galena Iron Works Corp. (Electric, Steam & Belt Driven), Galena, Ill.
Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hassell Iron Works Co. (Also Horse Power), Colorado Springs, Col.
Hendrie & Bolthoff Mfg. & Supply Co. (Steam & Electric Power), Denver, Colo.
Hendy Joshua Iron Works (Electric & Steam), 75 Fremont, San Francisco, Cal.
**HOLMES, ROBT. & BROS.** ("Gravity Plane"), Danville, Ill.
*See adv index at end of book*
Ireland Machine & Fdy. Co. ("Ireland"), Norwich, N. Y.
*See adv index at end of book*
Keystone Iron Works, 37th and Santa Fe, Los Angeles, Cal.
Lake Shore Engine Works (Electric), Marquette, Mich.
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
**LIDGERWOOD MFG. CO.** (Steam & Electric), 96 Liberty, New York
*See adv index at end of book*
McFarlane-Eggers Machine Co. (Electric & Steam), Denver, Colo.
Mead-Morrison Mfg. Co. (Steam & Electric), cor Prescott & Orleans, East Boston, Mass.
Mine & Smelter Supply Co. (Electric), 42 B'way, New York
Mineral Ridge Mfg. Co. (Electric & Steam) Mineral Ridge, O.
Mundy, J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
National Iron Co., Duluth, Minn.
Ottumwa Iron Works (Steam & Electric), Ottumwa, Ia.
Schramn Chris D. & Son, Inc., 709 Arch, Phila., Pa.
Seattle Machine Works, 51 W Lander, Seattle, Wash.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.
South Side Foundry & Machine Works, Charleston, W. Va.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Stroudsburg Engine Works, Stroudsburg, Pa.
United Iron Works Co. (Electric), Kansas City, Mo.
Vulcan Iron Works (Steam & Electric), Wilkes-Barre, Pa.
Vulcan Mfg. Co., 1200 4th, Seattle, Wash.
Waterloo Gasoline Engine Co., 625 Miles Waterloo, Ia.
Wellman-Seaver-Morgan Co. ("Winze," Steam & Electric), Cleveland, O.
*See adv index at end of book*
West Coat Gas Engine Co., San Diego, Cal.
Western Machinery Co., (Deisel Engine Hoist), 900 N Main, Los Angeles, Cal.
Willamette Iron & Steel Works, Portland, Ore.
William A. Box Iron Works Co. (Steam & Electric), 3309 Blake, Denver, Colo.

## 6203a—*Hoists—Monorail (Electric)

Northern Engineering Works, 9 Chene, Detroit, Mich. *See adv index at end of book*

## 6203b— *Hoists (Mooring)

**O. K. CLUTCH & MACHINERY CO.**, ("O. K.") Columbia, Pa.
*See adv index at end of book*

## 6204— Hoists (Oil)

Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.

## 6205— Hoists (Paper)

Omaha Folding Machine Co., Omaha, Neb.
Rouse H. B. & Co., 2214 Ward, Chicago, Ill.

## Hoists (Pneumatic)

See Pneumatic Hoists

## 6206— Hoists (Portable)

See also Cranes, Portable; also Hoists, Chain

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Fairbanks Co, 416 Broome, New York.
**IRELAND MACHINE & FOUNDRY CO.** ("Ireland"), Norwich, N. Y.
*See adv index at end of book*
Koenig Edward L. La Salle, nr Lake, Chicago, Ill.
*See adv index at end of book*
Ridgway Craig & Son Co., Coatesville, Pa.
Standardizing Co., 299 B'way, New York

## 6207— Hoists (Quarry)

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Dobbie Foundry & Machine Co. ("Dobbie"), Niagara Falls, N. Y.
*See adv index at end of book*
Ireland Machine & Fdy Co. ("Ireland") Norwich, N. Y.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty New York *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*

## 6208—Hoists (Rope & Block)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**HOBBS CLINTON E. CO.**, 33 Pearl, Boston, Mass.
*See adv index at end of book*
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Ney Mfg. Co., Canton, O.

## 6209—Hoists (Sand, Pneumatic)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Robertson Wm. & Co. ("Robertson," for Railroad Use, etc), 20 W Jackson blvd, Chicago, Ill.

## 6210—Hoists (Scaffold, Etc.)

Motor Specialties Co. ("Simplex," Small, of Painters, Building Cleaners, Bridge Builders, etc), Waltham, Mass.

## Hoists (Sidewalk)

See Elevators, Sidewalk

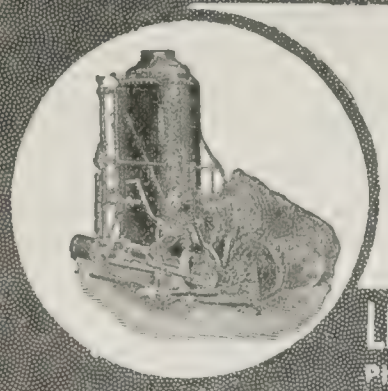
## 6211— Hoists (Skip)

**BARTLETT C. O. & SNOW CO.** (For Coal, Ashes or Other Materials), Fall st, Cleveland, O.
*See adv index at end of book*
Beaumont R. H. Co., Drexel bldg, Phila., Pa.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
Stolz Jos & Son, 841 E 136th, New York.
*See adv index at end of book*

## 6211a— Hoists (Spud)

Dake Engine Co., Grand Haven, Mich.

LIDGERWOOD HOISTS



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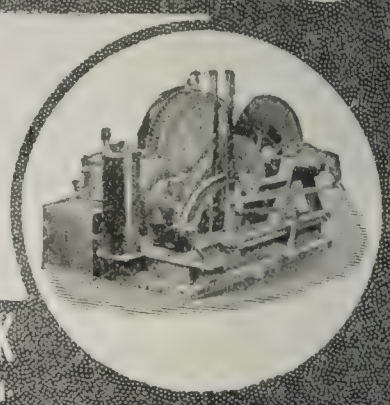

LIDGERWOOD MFG. CO. 96 LIBERTY ST. NEW YORK

Philadelphia, Pittsburg, Chicago, Seattle, Los Angeles, London, Eng.


## 6212— Hoists (Steam)

See also Engines, Hoisting

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Hoist & Derrick Co., St. Paul, Minn.
**BUFFALO HOIST & DERRICK CO.**, 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
**Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.**
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*


HOISTS (Steam)
Manufactured By
CLYDE IRON WORKS
CLYDE IRON WORKS SALES CO.
Sole Distributors
DULUTH, MINN.


Eagle Iron Works, Des Moines, Ia.
Exeter Machine Works, Pittston, Pa.
Foote Co., Nunda, N. Y.
Galena Iron Works Corp., Galena, Ill.
Gas Machinery Co. (For Gas Works), 1900 Euclid av, Cleveland, O.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
Ireland Machine & Fdy Co. ("Ireland") Norwich, N. Y.
*See adv index at end of book*
Lambert Hoisting Engine Co., 117 Poinier, Newark, N. J.
Lansing Co., Lansing, Mich.
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
McFarlane-Eggers Mach Co., Denver, Colo
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Mineral Ridge Mfg. Co., Mineral Ridge, O.
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
National Hoisting Engine Co., Harrison, N. J.
National Iron Co., Duluth, Minn.
Otis Elevator Co., 26th & 11th av, New York
Ottumwa Iron Works, Ottumwa, Ia.
Portage Lake Foundry & Machine Co., Hancock, Mich.
Schwamn Chris D. & Son, Inc., 709 Arch, Phila., Pa.
South St. Louis Foundry Co., 7614 S B'way, St. Louis, Mo.
South Side Foundry & Machine Works, Charleston, W. Va.
United Iron Works, Inc. ("Freeman" Geared), Kansas City, Mo.
Wellman-Seaver-Morgan Co., Cleveland, Ohio *See adv index at end of book*
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

## 6213— Hoists (Suction Pipe)

Superior Iron Works Co. (Hydraulic), Superior, Wis.

## 6214— Hoists (Telescopic)

Alvey-Ferguson Co. ("A-F"), 70 North av, Oakley, Cincinnati, O.
Chelsea Elevator Co., 213 W 26th, New York
Ernest C. K., Buffalo, N. Y.
Gillis & Geoghegan ("G. & G."), 537 W B'way, New York
LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*

## Hoists (Telpher)

See Telpherage, Electric Conveying

## 6214a— Hoists (Tie)

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*

## 6215— Hoists (Traveling)

See also Hoists, Electric Traveling

Armington Engng. Co., Euclid, O.
*See adv index at end of book*
**DETROIT HOIST & MACHINE CO.**, Detroit, Mich. *See adv index at end of book*
Euclid Crane & Hoist Co., Euclid, O.
*See adv index at end of book*


TRAVELING HOISTS
ELECTRIC
THE EUCLID CRANE & HOIST CO
EUCLID, OHIO


Gilbert-Grant Co., Grand Central Terminal, New York.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R Ry, Phila., Pa. *See adv index at end of book*
Locomotive Crane Co., Bucyrus, O.
*See adv index at end of book*
New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York.
**SPEIDEL JOHN G.** (Hand Power), Reading, Pa. *See adv index at end of book*
**TOLEDO BRIDGE & CRANE CO.**, 2500 Dorr, Toledo, O.
*See adv index at end of book*

## Hoists (Trolley)

See Trolleys & Trolley Tracks, Overhead

## Hoists (Wheelbarrow)

See Hoists, Contractors' Material

## 6216— Hold-Backs (Crucible)

Johnson Bronze Co., New Castle, Pa.

## 6217—Holders (Automobile Tire)

Aetna Brass Mfg. Co., 1631 E 55th, Cleveland, O.
Allen Auto Specialty Co. (With Locks), 16 W 61st, New York
Allen Fire Dept. Supply Co., 159 Aborn, Providence, R. I.
Attwood Brass Works, Grand Rapids, Mich.
Auto Brass Mfg. Co. ("Abco"), 56 Friendship, Providence, R. I.
B. & B. Mfg. Co., 6528 Carnegie av, Cleveland, O.
B. E. Mfg. Co. ("Bemco"), 18 W 18th, New York
Central Brass & Fixture Co., Springfield, Ohio
Chain Products Co. (Chain), 3924 Cooper av, Cleveland, O.
Cowles C. & Co., New Haven, Conn.
Douglas & Lomason Co., 642 Lincoln, Detroit, Mich.
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O.
Essex Brass Foundry Co. (With Locks), Cambridge, Mass.
Findeisen & Kropf Mfg. Co., 2559 W 21st, Chicago, Ill.
Gemco Mfg. Co. ("Gemco" Rear End & Runningboard Holders), Milwaukee, Wis.
Halladay L. P. Co. (Also Numbers), Streator, Ill.
Highton Wm. & Sons Co., Nashua, N. H.
Keeler Brass Co., Grand Rapids, Mich.
Kreidler Auto Top Co., Trenton, N. J.
Le Compte Mfg. Co. (Hard Rubber), 44 Elm, Newark, N. J.
Metal Stamping Co. ("Perfection"), 13th, Long Island City, N. Y.
National Jack & Mfg. Co., 130 S Clinton, Chicago, Ill.
Post & Lester Co. ("Security"), Hartford, Conn.
Smith Jos. N. & Co., 2461 E Grand blvd, Detroit, Mich.
Starr Bros. Bell Co. ("Starr" Bronze, Brass & Malleable Iron), East Hampton, Conn.
Stryker C. W., Syracuse, N. Y.
Western Brass Mfg. Works ("Hercules"), Marshall Boul. & W 21st, Chicago, Ill.
Western Mechanical Works ("Western" Telescoping), Los Angeles, Cal.
Whitehouse-Le Compte Mfg. Co. (With Locks), 44 Elm, Newark, N. J.
Wiener-Barnet Co., 328 Adams, Newark, N. J.

## 6218— Holders (Bag)

American Buncher Mfg. Co., Oliver & Harding, Indianapolis, Ind.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bulman E. O. Mfg. Co. (Paper), Grand Rapids, Mich.
Gumps B. F. Co., 431 S Clinton, Chicago, Ill.
Reed Evan L. Mfg. Co., Sterling, Ill.
Sackett A. J., Cor 4th av & 1st, Baltimore, Md.

South Bend Spark Arrester Co., South Bend, Ind.
Sprout, Waldron & Co., Muncy, Pa.
Streeter N. R. & Co. ("Sensible"), Rochester, N. Y.
Thorpe F. M. Mfg. Co., Lamar, Mo.
Trumpheller Mfg. Corp. ("Trump"), 447 Ellicott sq, Buffalo, N. Y.
Wagner Mfg. Co. ("Daisy," for Farm Use), Cedar Falls, Ia.
Webster Mfg. Co. ("Mosher"), 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Wilson-Hurd Co., Wausau, Wis.
Wolf Co., Chambersburg, Pa.

## 6219— Holders (Battery)

Am. Ever Ready Wks. of Nat. Carbon Co., Thompson av, Long Island City, N. Y.
Eureka Supply Co., Sewell, N. J.
Mersman Bros., Ottawa, O.
Michigan Motor Spec. Co., 26 Dubois, Detroit, Mich.
National Carbon Co., Madison av N W & W 117th, Cleveland, O.
Niagara Mfg. Co., Holyoke, Mass.
Ostrander W. R. & Co., 371 B'way, New York
Paragon Electric Co., 37 W Van Buren, Chicago, Ill.
Stanley & Patterson ("Watertight" Sealed-In Wireless), 23 Murray, New York
Stephenson Supply Co., Auburn, N. Y.
Sumter Telephone Co., Sumter, S. C.

## 6220—*Holders (Bit Brace)

**GREENFIELD TAP & DIE CORP.** ("G. T. D." for Taps & Dies), Greenfield, Mass.
*See adv index at end of book*

## 6221— Holders (Blanket)

Imperial Bit & Snap Co., Racine, Wis.
Thomson Judson L. Mfg. Co., Waltham, Mass.

## 6222— Holders (Blotter)

Weber-Knapp Co., Jamestown, N. Y.

## 6223— Holders (Bottle)

Aldrich Mfg. Co., Buffalo, N. Y.
Browne W. G. Mfg. Co. (Sanitary), Kingston, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
New York Stamping Co. ("Empress"), N 11th & Berry, Brooklyn, N. Y.
Ray Geo. A. Mfg. Co. (Ginger Ale, Club Soda, Nickel Plated), Buffalo, N. Y.
United Steel & Wire Co., Battle Creek, Mich.

## 6224— Holders (Broom)

See also Holders, Whisk Brooms

Bradley & Farnham ("Knapp" Gravity), Middlefield, Conn.
Cassady Fairbanks Mfg. Co. ("Sensible," "Thompson"), 6126 S La Salle, Chicago, Ill.
Coleman Hardware Co. ("Eureka"), 122 S Michigan av, Chicago, Ill.
Erickson C. E. & Co. ("Queen") Des Moines, Ia.
Forg Peter Mfg. Co., Somerville, Mass.
Franklin Brass Foundry Co. ("Ideal"), Reading, Pa.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Moore & Gibson Corp. (Leather), 307 6th av, New York
Parker Wire Goods Co. ("Star," "Eureka"), Worcester, Mass.
Pratt Wm. E. Mfg. Co. ("Perfect"), 35 W Lake, Chicago, Ill.
Racine Iron & Wire Works, Racine, Wis.
Reading Saddle & Mfg. Co. ("Handy"), Reading, Pa.
Reed Evan Mfg. Co., Sterling, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.
Wrightsville Hardware Co. ("Star"), Wrightsville, Pa.

## 6225— Holders (Brush)

(For Dynamo Brushes)

Anderson Albert & J. M. Mfg. Co. (For Street Railway Motors), 239a, Boston, Mass.
Baylis Co. ("Reaction"), Bloomfield, N. J.
Eureka Co., North East, Pa.
Flower, D. B. ("Flower" Electrical for Rotary Convertors, Industrial & Railway Motors), 1217 Spring Garden, Phila., Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hemming Mfg. Co., Garfield, N. J.
Nelson Samuel ("Nelson's Extension"), 1748 Grace, Chicago, Ill.
Par-Sil Metal Co., Lansdale, Pa.
Perfection Supply Co., 98 Park pl, New York
**WESTINGHOUSE ELECTRIC & MFG. Co., East Pittsburgh, Pa.**
*See adv index at end of book*

## 6226—Holders (Brush, Paint, Etc.)

Hanlon & Goodman Co. (Adjustable Extension), 270 Pearl, New York

## 6227— Holders (Candle)

Bernz Otto, 17-37 Ashland, Newark, N. J.
Stonebridge C. H. Mfg. Co. ("Stonebridge" Non Drip Registering Candle Saver), 23 Warren, New York.
Stortz John & Son (Plumbers), 210 Vine, Phila., Pa.

## 6228— Holders (Car Door)

See also Door Stops.

St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sherburne & Co. ("Sherburne"), 53 Oliver, Boston

## 6229— Holders (Car Wheel)

Ransome Concrete Machinery Co. ("McMicken"), Dunellen, N. J.

## 6230— Holders (Carbon)

Bogue Chas. J. Elec. Co., 513 W 29th, New York
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 6231—Holders (Card & Label)

Brainerd Mfg. Co., East Rochester, N. Y.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Corbin Cabinet Lock Co. (Bronze & Brass), New Britain, Conn.
Dent Hardware Co. (Card), Fullerton, Pa.
Eagle Lock Co., Terryville, Conn.
**GASKET SUPPLY CO.,** Steel-Tin-Brass, 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Judd H. L. Co., 87 Chambers, New York
Kraft A. C. (Galv. Iron & Tin), 323 W Lake, Chicago, Ill.
Loetscher-Ryan Mfg. Co. (Card), Dubuque, Ia.
Ludwig A. & Co., 75 Spring, New York
Meilicke Calculator Co., 300 N Clark, Chicago, Ill. *See adv index at end of book*
Novelty Mfg. Co., Waterbury, Conn.
Reading Hardware Co., Reading, Pa.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Sargent & Co., New Haven, Conn.
Shann Mfg. Co., Middletown, N. Y.
Shelby Spring Hinge Co., Shelby, O.
Timberlake J. B. & Sons (For Price Tickets, etc), Jackson, Mich.
Waterbury Mfg. Co., Waterbury, Conn.
Weber-Knapp Co., Jamestown, N. Y.
Western Railway Equipment Co. ("Downing," for Cars), Central Natl. Bank bldg, St. Louis, Mo.

## 6232—Holders (Carriage Curtain)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

## 6233— Holders (Chart)

Spiro C. Mfg. Co., 68 E 131st, New Yrk

## 6234—Holders (Christmas Tree)

Donnelly John ("Hub"), Branford, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Miller C. H. Hardware Co. ("Donnelly"), Huntington, Pa.
North Bros. Mfg. Co. ("Crown"), Lehigh av. & American, Phila., Pa.
Peck C. A. Hardware Co. ("Little Gem" & "Little Jewel" Steel), Berlin, Wis.
Penn Hardware Co., Reading, Pa.
Reed E. L. Mfg. Co. ("Krackerjack"), Sterling, Ill.
Rhinelander Refrigerator Co. ("Riek's"), Rhinelander, Wis.
Wrightsville Hardware Co., Wrightsville, Pa.

## 6234a—Holders (Cigar & Cigarette)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Kaufmann Bros. & Bondy, 33 E 17th, New York
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*

## 6234b—Holders (Clothes Line)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Household Appliance Co., Neemah, Wis.
Reed Evan Mfg. Co., Sterling, Ill.

## 6235— Holders (Concrete)

Grabler Mfg. Co. (Steel, also Extension), Cleveland, O.

## 6236— Holders (Copy)

Beaton & Cadwell Mfg. Co. ("Ludington's"), New Britain, Conn.
Drop-a-Line Indicator Co., Milwaukee, Wis.
Fisher Adam Mfg. Co., 3624 Enright, St. Louis, Mo.
Gnu Sales Corp. ("Gnu"), Monadnock bldg., San Francisco, Cal.
Line-a-Time Mfg. Co., Rochester, N. Y.

## 6237—Holders (Cord, Electric Iron)

Paragon Electric Co., 37 W Van Buren, Chicago, Ill.

## 6238— Holders (Cotter Pin)

Buffman Tool Co. ("Swastika"), South Side, Louisiana, Mo.

## 6239-40— Holders (Crayon)

Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
Dudfield Mfg. Co., Liberty, Mo.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## Holders (Curtain Rod)

See Brackets, Curtain Pole

## 6241— Holders (Dash Rein)

Fernald Mfg. Co. ("Fernald"), North East, Pa.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.

## 6242— Holders (Diamond)

Montgomery & Co. ("Strong"), 105 Fulton, New York

## 6243— Holders (Dictionary)

Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Flanagan Geo. J., 515 S Fifth av, Chicago, Ill.
Sargent Geo. F. Co., 132 E 23rd, New York
Sargent Mfg. Co., Muskegon, Mich.
Stewart Geo. S. Co., Norwalk, Ohio
Union School Fur. Co., 1034 W Van Buren, Chicago, Ill.

## 6244— Holders (Die & Tap)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bardons & Oliver (Releasing Die), Cleveland, O.
Bay State Tap & Die Co. ("Bay State"), Mansfield, Mass.
Beaman & Smith Co. (Tap), Providence, R. I.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co. (Lathe, Bit, Brace, Die Holders, etc), Mansfield, Mass.
Carpenter J. M. Tap & Die Co. (Die, Bit, Brace, Lathe), Pawtucket, R. I.
Champion Blower & Forge Co. ("Champion" Bit-Brace & Die Holder), Lancaster, Pa.
**Errington F. A., 39 Cortlandt, New York**
Geometric Tool Co. (Reversing Tap Holder), New Haven Conn.
Goodell-Pratt Co. (Tap), Greenfield, Mass.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Hartford Machine Screw Co., Hartford, Conn.
Herbert Alfred Ltd., 54 Dey, New York
*See adv index at end of book*
McCrosky Reamer Co. ("Wizard" Turret Tap), Meadville, Pa.
Modern Tool Co. ("Mazie" Chuck), 300 State, Erie, Pa.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co. (Bit Brace), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Quint A. D. (Tap), Hartford, Conn.

## Holders (Door)

See Door Holders; also Door Stops)

## 6245-6— Holders (Drill)

Armstrong Bros. Tool Co. ("Armstrong," Drill & Reamer), 339 N. Francisco av, Chicago, Ill.
Beaman & Smith Co. ("Safety"), Providence, R. I.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Lutz Co., Inc. ("Lutz"), 31st & Gray's Ferry av, Phila., Pa.
Lutz-Webster Engineering Co., 3103 Grays Ferry av, Philadelphia, Pa.
Scallan, W. E. & Co., 1122-26 West Cincinnati, Ohio
Star Expansion Bolt Co. (Electricians', Brick & Stone), 145 Cedar, New York
*See adv index at end of book*

## Holders (Dry Battery)

See Holders, Battery

## 6247—Holders (Electric Lamp)

Arrow Electric Co. ("Arrow" Bayonet Type), Hartford, Conn.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
Brady Electric Mfg. Co., New Britain, Conn.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Faries Mfg. Co. (Adjustable), Decatur, Ill.
Franklin Specialty Mfg. Co. ("Anderson," Adjustable), 710 Eddy, Providence, R. I.
Harley Co., Springfield, Mass.
Ohio Electric Specialty Mfg. Co., Troy, O.

## 6248— Holders (Extension Bit)

Millers Falls Co., 28 Warren, New York

## 6249—Holders (Fishing Rod)

General Phonograph Corp. ("Universal," "Handy"), 25 W 45th, New York

## Holders (Flag Pole)

See Brackets, Flag Pole

## 6249a—Holders (Garage Door)

Bolles Wm. B., Post-office Box 600M, Milwaukee, Wis. *See adv index at end of book*
Griffin Mfg. Co., 15th & Cherry, Erie, Pa.
Phoenix Mfg. Co., Milwaukee, Wis.

Pixon, Oscar C. Co., 501 S Jefferson, Chicago, Ill.
Stanley Works, New Britain, Conn.
*See adv index at end of book*

## Holders (Hog)

See Tongs, Hog

## 6250— Holders (Iron)

Ritzenthaler, John, 73 Franklin, New York.

## 6251— Holders (Knurl)

See also Holders, Tool

Alert Tool Co. (Adjustable), 237 N 6th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Graham Mfg. Co. (For Turrets), 96 Point, Providence, R. I.

## Holders (Label)

See Holders, Card & Label

## 6252— Holders (Lantern)

Ladd W. C. ("Warner"), Bristol, Conn.
Morse A. J. & Sons, Inc., 221 High, Boston, Mass.

## 6253— Holders (Match Box)

American Ring Co., Waterbury, Conn.
Arcade Mfg. Co. (For Safety Matches, etc), Freeport, Ill.
Buffalo Mfg. Co., Buffalo, N. Y.
Dent Hardware Co., Fullerton, Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grey Iron Casting Co. (Safety), Mt. Joy, Pa.
Res Mfg. Co. ("Non-theft"), 2907 Meinecke av, Milwaukee, Wis.
Williams A. C. Co., Ravenna, Ohio
Wrightsville Hardware Co., Wrightsville, Pa.

## 6253a— Holders (Menthol)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 6254-5—Holders (Milk Bottle or Jar)

Hamblin & Russell Mfg. Co., Worcester, Mass.
Parker Wire Goods Co. ("Triumph" Sanitary, Screws to Wall), Worcester, Mass.
Wickwire Spencer Steel Corp. (Natwire Wire), Worcester, Mass.
*See adv index at end of book*

## Holders (Mop)

See Mop Sticks & Holders

## 6256—Holders (Note Book, Stenographers')

Galesburg Writing Machine Co. ("Chicago"), Galesburg, Ill.
Ihling Bros. & Everard Co., Kalamazoo, Mich.
Weber-Knapp Co. ("Perfection" & "Mack" Copy), Jamestown, N. Y.

## 6257— Holders (Oil Can)

Buffum Tool Co. ("Swastika," Automobile, etc), South Side, Louisiana, Mo.
Halladay L. P. Co. (Automobile), Streator, Ill.

## 6258-9—Holders (Paper Sheet)

Bulman E. O. Mfg. Co., Grand Rapids, Mich
Newman Mfg. Co., 717 Sycamore, Cincinnati, O. *See adv index at end of book*

## 6259a—Holders Pen (Writing)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 6260— Holders (Pencil)

Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 6260a—Holders (Pillow Sham)

Josef E. E. Mfg. Co., 14 Perry, Buffalo, N. Y.

## 6261—Holders (Pipe Nipple)

American Pin Co. ("Ampinco" Brass), Waterbury, Conn.
Bignall & Keeler Mfg. Co., Edwardsville, Ill.
Boston Brass Co. ("B. B."), Waltham, Mass. *See adv index at end of book*
Curtis & Curtis Co., Bridgeport, Conn.
Fee & Mason (& for Flush Pipes), 81 Beekman, New York
Lockhart R. Jas. ("Lockhart" Polished), 201 Millvale, Pittsburgh, Pa.
Merrell Mfg. Co., 278 Curtis, Toledo, O.
Murchey Machine & Tool Co., 85 Porter, Detroit, Mich.
Starbuck R. M. & Sons ("Starbuck"), Hartford, Conn.
Walworth Mfg. Co., Boston, Mass.

## 6262— Holders (Punch)

Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.

## Holders (Rein)

See Holders, Dash Rein

## 6263— Holders (Rod)

National Sheet Metal Co., Peru, Ill.

## Holders (Sack or Bag)

See Holders, Bag

## Holders (Sad Iron)

See Handles, Sad Iron

## 6264— Holders (Sash)

Automatic Sash Holder Mfg. Co. (Automatic), 30 Church, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hart Sash Holder Co. ("Hart" Anti-Rattler, Burglar Proof), Lexington, Mo.
Wagner Mfg. Co. ("Wagner," for Screen & Storm Sash), Cedar Falls, Ia.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn
*See adv index at end of book*

## 6265— Holders (Scraper)

Bishop Geo. H. & Co. (Cabinet Scraper), Lawrenceburg, Ind.

## 6266-7—Holders (Shade or Globe)

Allen Shade Holder Co., 46 Cornhill, Boston, Mass.
American Brass & Copper Co. (Gas & Electric), 138 Lafayette, New York
American Pin Co., Waterville, Waterbury, Conn.
American Ring Co., 531 Bank, Waterbury, Conn.
Art Metal Mfg. Co. ("A-M"), E 61st & Curtis av, Cleveland, O.
Beaton & Cadwell Mfg. Co. ("Perfection" Adjustable & Shade Fixtures), New Britain, Conn.
Brandt-Dent Co., Watertown, Wis.
Bridgeport Brass Co., Bridgeport, Conn.
Bryant Electric Co. ("Uno" Electric), Bridgeport, Conn.
Climax Machine & Burner Co., 133 3rd av, Newark, N. J.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Crescent Brass Mfg. Co. (Nitrogen), 8410 Lake av, Cleveland, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Dale Lighting Fixture Co., 107 W 13th, New York
Faries Mfg. Co., Decatur, Ill.
Fixture Spec. Co., Los Angeles, Cal.
Forg Peter Mfg. Co., Somerville, Mass.
Freeman E. H. Electric Co., Trenton, N. J.

Grady M. J. Mixture Mfg. Co. (Inverted), 608 1st av N, Minneapolis, Minn.
Gudeman & Co., 19 W 36th, New York
Harter Mfg. Co., 524 S Clinton, Chicago, Ill.
Herwig Art Shade Lamp Co., 2140 N Halsted, Chicago, Ill.
*See adv index at end of book*
Hubbell Harvey Inc. ("Hubbell" Shade), Bridgeport, Conn.
J-E-M Shade Holder Co. ("J-E-M" for Incandescent Lights), 221 W 33d, New York
Kraushaar Brass Mfg. Co. (Aluminum Elec Reflector Shades & Holders Combined, etc), 919 Pine, St. Louis, Mo.
McFaddin H. G. & Co., 38 Warren, New York
Manhatton Brass Co., 332 E 28th, New York
Mitchell Vance Co., 507 W 24th, New York
Multi-Lux Illuminating Co., 6712 Union av, Cleveland, O.
Pittsburgh Metal Spinning & Stamping Co. (Nitrogen), 821 Locust, Pittsburgh, Pa.
Pittsburgh Reflector & Illuminating Co., Pittsburgh, Pa.
Plume & Atwood Mfg. Co. (Gas & Electric Globe), Waterbury, Conn.
Remhof Chas., 87 35th, Brooklyn, N. Y.
Safety Car Htg. & Ltg. Co., 2 Rector, New York
Schaefer Brass Mfg. Co., 815 Clark av, St. Louis, Mo.
Solar Elec. Co., 54 W Lake, Chicago, Ill.
Standard Brass & Bronze Mfg. Co. (Nitrogen), 813 Liberty, Pittsburgh, Pa.
Standard Metal Spinning Co. (Nitrogen), 138 Mott, New York
Steele & Johnson Mfg. Co., 779 So Main, Waterbury, Conn.
Tregoning Electric Mfg. Co. (For Tungsten Lamps), Cleveland, O.
Turner & Seymour Mfg. Co. (Shade Only), Torrington, Conn.
United Metal Spinning Co., 103 Mott, New York
Waldo Co. ("Waldo" for Upright or Hanging Bulbs), 45 E 20th, New York
Weber Brass Co. (Nitrogen), Whitney Power Blk, Cleveland, O.
White Jas. H. Mfg. Co., 111 N 3d, Brooklyn, N. Y.
Wilson A. B. Co., 1051 Power bldg, Cleveland, O.

## 6268— Holders (Sign)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Wallace Supplies Mfg. Co. ("Wallace" for all Manner or Car Signs), 412 Orleans, Chicago, Ill.

## 6269—Holders (Soda Glass)

Aldrich Mfg. Co. (Soda Glass), Buffalo, N. Y.
Ray Geo. A. Mfg. Co. (Plated), Buffalo, N. Y.

## 6270— Holders (Spice Jar)

Cassady Fairbank Mfg. Co. ("Sanitary"), 6126 S La Salle, Chicago, Ill.

## 6271— Holders (Stake)

Louden Machinery Co. (Malleable Iron & Pressed Steel), Fairfield, Ia.
**STANLEY WORKS** (Wrought Steel, Wagon), New Britain, Conn.
*See adv index at end of book*

## 6272— Holders (Syrup)

Stuart & Peterson Co., Burlington, N. J.

## Holders (Tap)

See Holders, Die & Tap

## 6272a—Holders (Test Tube)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 6273—Holders (Toilet Paper)

A. P. W. Paper Co. ("Onliwon," "A. P. W." "Bob White," "Pure White," "Cross Cut" & "Equity"), Albany, N. Y.
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
Bens S. J. Mfg. Corp. ("Handy Roll" "Flat O Roll"), Herkimer, N. Y.
Browne W. G. Mfg. Co., Kingston, N. Y.
Bulman E. O. Mfg. Co. (Paper), Grand Rapids, Mich.
Cassady Fairbank Mfg. Co. ("Unique," "Stiles"), 6126 S La Salle, Chicago, Ill.
Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
Fanner Mfg. Co. ("Arctic"), Cleveland, O.
Forsyth Metal Goods Co., E Aurora, N. Y.
Hills Edwin (Rollers), Plainville, Conn.
Morgan Envelope Co. ("Springfield" Oval), Springfield, Mass.
Mumford Paper Mills Inc. ("Believe Me"), Mumford, N. Y.
Novelty Mfg. Co. ("Wilwear"), Waterbury, Conn.
Parker Chas. Co., Meriden, Conn.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Reed Evans L. Mfg. Co., Sterling, Ill.
Res. Mfg. Co. ("Res"), 2907 Meinecke av, Milwaukee, Wis.
Shelby Spring Hinge Co. ("Satin," "Silk," Steel & Brass), Shelby, O.
Streeter N. R. & Co. ("Sensible" Toilet Paper Fixtures), Rochester, N. Y.
Sweeney W. H. Mfg. Co. ("Royal"), 30 Main, Brooklyn, N. Y.
Weston Paper & Mfg Co. ("Tiger"), Dayton, O.

## 6274— Holders (Tool, Etc.)

Alert Tool Co. (Knurling Tool, Hand & Universal), 237 N 6th, Phila., Pa.
Allman Gas Engine & Machine Co. ("Miller" Lathe), 461 Canal, New York
American Tool & Machine Co. (Turret), 10 High, Boston, Mass.
Armstrong Bros. Tool Co. ("Armstrong" Tool Holders for Turning, Boring, Planing and Cutting Off Metals), 339 N Francisco av, Chicago, Ill.
Bardons & Oliver (Forming Tool Holders), Cleveland, O.
Bay State Tap & Die Co. ("Bay State," Die, Bit, Brace & Lathe), Mansfield, Mass.
Beaman & Smith Co. (Safety Drill & Tap), Providence, R. I.
Brown & Sharpe Mfg. Co. (For Screw Machines, etc), Providence, R. I.
Clark Equipment Co., Buchanan, Mich.
Cleveland National Machine Co., 1366 W 70th, Cleveland, O.
Cleveland Twist Drill Co. (Floating & Turret), 1 E 49th, Cleveland, O.
Crescent Forgings Co. ("Lang" Turning, Threading & Cutting-off; also Holders for Heavy Work), Oakmont, Pa.
**DETROIT TWIST DRILL CO.** (Lathe Drill), 555 Fort, Detroit, Mich.
*See adv index at end of book*
Economy Tool Holder Co., 103 Park av, New York.
Errington, F. A., 39 Cortlandt, New York
Gisholt Machine Co., Madison, Wis.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grant Mfg. & Machine Co. (Adjustable Boring Tool Holder), Bridgeport, Conn.
Hartford Machine Screw Co. (Machine Tool), Hartford, Conn.
Keystone Equipment Co. ("Colton" Lathe), 1825 Walnut, Phila, Pa.
McCarp F. J., Marine Bank bldg, Erie, Pa.
Mingst C. P. (Lathe & Planer), Evansville, Ind.
Modern Tool Co. ("Mazie" Chuck, Die, Tap, etc), 500 State, Erie, Pa.
National Forge & Tool Co., Erie, Pa.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Parker Machine Co. ("Parker" Universal), 221 High, Boston, Mass.
Pratt & Whitney Co., Hartford, Conn.
Ready Tool Co. ("Red-E"), Bridgeport, Conn.
Thompson H. G. & Son Co. ("Carr" Combination), New Haven, Conn.
Union Tool Co. ("Hill," "Eberhardt"), Orange, Mass.
**WESTERN TOOL & MFG. CO.** ("The Champion"), Springfield, O.
Whitman Metal Goods Co. (Lathe & "Efficiency" Planer), Whitman, Mass.
Williams J. H. & Co. ("Agrippa" & "Vulcan" for Turning, Boring, Planing Tool, Shaper Tool, etc), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 6275—Holders (Tooth Brush)

Cassady Fairbank Mfg. Co. (Aluminum, Nickel Plated, etc), 6126 S La Salle, Chicago, Ill.
Res. Mfg. Co., 2907 Meinecke av, Milwaukee, Wis.
Waterbury Mfg. Co., Waterbury, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 6276— Holders (Tooth Pick)

Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.

## 6277— Holders (Towel)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Bulman E. O. Mfg. Co., Grand Rapids, Mich.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Waterbury Mfg. Co., Waterbury, Conn.

## 6278— Holders (Trace)

Fernald Mfg. Co. ("Fernald," Double), North East, Pa.
Harsh-Miller Mfg. Co., Wabash, Ind.

## 6279—Holders (Tumbler, Etc.)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 508 S Peoria, Chicago, Ill.
Cline L. Mfg. Co., 1239 S Wabash av, Chicago, Ill.
Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
Dawson J. R. Mfg. Co., Fairhill Station, Philadelphia, Pa.
Edwardsville Brass Co., Edwardsville, Ill.
Eustis J. P. Mfg. Co. ("Brasscrafters"), Cambridge, Mass.
Forsyth Metal Goods Co., E Aurora, N. Y.
Garden City Plating & Mfg. Co. ("Kurtson"), 1430 S Talman av, Chicago, Ill.
Novelty Mfg. Co. ("Wilwear" Combination Tumbler & Soap Holder), Waterbury, Conn.
Parker Chas. Co. (Bath Rooms, etc), Meriden, Conn.
Schlesinger Leo & Co. (Combination Tumbler & Soap), 66 Wooster, New York
Searls Mfg. Co. ("Palette"), 29 Mulberry, Newark, N. J.
Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.
Stephenson C. H. ("Stephenson"), Lynn, Mass.
Sternau S. & Co., 93 E. 37th, New York
Sweeney W. H. Mfg. Co., 30 Main, Brooklyn, N. Y.

## 6280—Holders (Tumbler, Wire)

Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York.
*See adv index at end of book*
Bridgeport Wire Goods Co., East Port Chester, Conn.
Cutter Mfg. Co., Everett Station, Boston, Mass.
Parker Wire Goods Co., Worcester, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.
Woods-Sherwood Co., Worcester, Mass.

## 6281— Holders (Twine)

Bulman E. O. Mfg. Co., Grand Rapids, Mich.
Cutter Mfg. Co. ("Wright"), Orient av, Everett Station, Boston, Mass.
Introstile Mfg. Co. ("Ideal"), Marietta, O.
New York Roll Wrapping Paper Co. ("Simplex" & "Popular"), 84 Beekman, New York
Nicol & Co. (Improved Cone), 218 N Jefferson, Chicago, Ill.
Reed Evan L. Mfg. Co. Sterling, Ill.
Streeter N. R. & Co. ("Sensible," also Reel Holder), Rochester, N. Y.

HOLDERS (TWINE)—continued
Thrope F. M. Mfg. Co., Larmar, Mo.
**Universal Winding Co. ("Walker"), Boston, Mass.**
Wickwire Spencer Steel Corp. ("Natwire" Wire), Worcester, Mass.
*See adv index at end of book*
**Woods-Sherwood Co. (Wire Twine Baskets), Worcester, Mass.**

## 6282— Holders (Umbrella)

Clark W. J. Co., Salem, Ohio
Lamb Geo. L., Nappanee, Ind.

## 6283—Holders (Whisk Broom)

American Ring Co., Waterbury, Conn.
Arlington Wks., The (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 508 S Peoria, Chicago, Ill.
Kennebunk Mfg. Co. (Fibre), Milton, N. H.
Novelty Mfg. Co., Waterbury, Conn.

## 6284— Holders (Wire)

**Fletcher Mfg. Co. ("Gem"), Dayton, O.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 6285— *Holes (Screw)

**STINE SCREW HOLES CO.** ("Stine"), Waterbury, Conn.
*See adv index at end of book*

## Hollow Ware

**See Enameled Ware; also Aluminum Hollow Ware; also sub-classifications following**

## 6286—Hollow Ware (Cast Iron)

See also Hollow Ware, Stove

Griswold Mfg. Co., Erie, Pa.
Hardwick Stove Co. (Tea Kettles), Cleveland, Tenn.
**Wagner Mfg. Co., Sidney, Ohio**

## 6287—Hollow Ware (Nickle Plated)

**Aldrich Mfg. Co. (With Hinged Cover), Buffalo, N. Y.**
**Farber S. W., 147 S 5th, Brooklyn, N. Y.**
Lehmann Bros., 197 Grand, New York
**Sweeney W. H. Mfg. Co., 30 Main, Brooklyn, N. Y.**

## 6288—Hollow Ware (Silver Plated)

**Benedict Mfg. Co. (Also Flatware), East Syracuse, N. Y.**
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Homan Mfg. Co., Findlay, Western & Hulbert av, Cincinnati, O.
**International Silver Co., 9 Maiden la, New York**
Lehmann Bros., 197 Grand, New York
Rogers J. Silver Co., 13 Laight, New York
Van Bergh Silver Plate Co., Rochester, N. Y.

## 6289— Hollow Ware (Stove)

Birmingham Stove & Range Co., Birmingham, Ala.
Glascock Stove & Mfg. Co. (Cast Iron), Greensboro, N. C.
Gray & Dudley Hardware Co., Nashville, Tenn.
**Lodge Mfg. Co. (Cast Iron), S Pittsburg, Tenn.**
**Phillips & Buttorff Mfg. Co., Nashville, Tenn.**
Richmond Stove Co., 2506 E Main, Richmond, Va.
**Southern Co-operative Foundry Co., Rome, Ga.**

## 6290—Holsters (Gun & Pistol)

**Abercrombie & Fitch Co., Madison av & 45th, New York**
**Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.**
**Buchheimer Geo. H, 1004 Rutland av, Baltimore, Md.**
**Cook E. C. & Bro. (Canvas), 827 Loomis, Chicago, Ill.**
**Goodrich B. F. Co. (Rubber), Akron, O.**
**Hodgman Rubber Co. (Rubber), 8 W 40th, New York**
**Hoegee W. H. Co., Los Angeles, Cal.**
**Mills Woven Cartridge Belt Co., Worcester, Mass.**
**Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.**

## 6291— Homatropine

**Hoffmann-LaRoche Chemical Works, 440 Washington, New York**

## 6292— Hominy

See also Food, Cereal, Prepared, etc.

American Hominy Co., Indianapolis, Ind.
Baltimore Pearl Hominy Co., Howard & Ostend, Baltimore, Md.
Bishopp Hominy Co., Sheldon, Ill.
Crete Mills, Crete, Nebraska
H-O Company, Buffalo, N. Y.
**Hodapp Hominy Co., Seymour, Ind.**
Lafayette Corn Flour Mills, Lafayette, Ind.
Lea Milling Co., Wilmington, Del.
Walthen Milling Co., Louisville, Ky.

## 6293-4— Hones (Razor)

American Hone Co., Olean, N. Y.
Bracher Co., Belleville, N. J.
Carborundum Co. (Carborundum & Natural Stone), Niagara Falls, N. Y.
Droescher S. R., 79 Warren, New York
Korn Geo. W. Razor Mfg. Co., Little Valley, N. Y.
Pike Mfg. Co., Pike, N. H.

## Hoods (Automobile)

**See Hoods, Motor**

## 6295— Hoods (Forge)

**Lourie Mfg. Co. ("Lourie—No-Smoke" Cast Iron, with Wind Shield), Springfield, Ill.**
Standard Sheet Metal Mfg. Co., Washington, Pa.

## 6296—Hoods (Galvanized Sheet Steel)

**Banister A. W. Co., 421 Dorchester av, S Boston, Mass.**

## 6297—Hoods (Grinding, Buffing & Polishing Wheel)

Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, Ohio.
**Kirk & Blum ("Economy"), York & Western avs, Cincinnati, O.**
**Northern Blower Co., Barberton & W 65th, Cleveland, O.**
**Valley City Machine Works (Adjustable for Grinders), Grand Rapids, Mich.**

## 6297a— Hoods (Laboratory)

Alberene Stove Co., 22 E 23rd, New York

## 6298— Hoods (Motor)

**A. Z. Co., 527 W 56th, New York**
Auto Lamp & Radiator Co., 1614 Prospect, Cleveland, O.
Cadillac Plumbing & Heating Co., Cadillac, Mich.
Chicago Mfg. Co. ("Chicago"), 1464 S Michigan av, Chicago, Ill.
Clayton & Lambert Mfg. Co., 370-80 Beaubien, Detroit, Mich.
Detroit Carriage Goods Co., 288 E Jefferson, Detroit, Mich.
Hayes Mfg. Co., 480 Maybury, Detroit, Mich.
Kells W. J. Mfg. Co., 521 W 45th, New York
Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, O.
*See adv index at end of book*
Saginaw Sheet Metal Works, Saginaw, Mich.
U. S. Aluminum Co., Oliver bldg, Pittsburgh, Pa.
Universal Specialty Co., Leader-News bldg., Cleveland, O.
Wright R. G. & Co., Buffalo, N. Y.
York Corrugating Co., York, Pa.

## 6299— Hoods (Spray)

**Atlantic Boat Co., Amesbury, Mass.**
**McClellan Chas. P. ("Simplicity"), Fall River, Mass.**
**Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.**
**Thomas Wm. E. & Co., 42 South, New York**

## 6300—Hoods & Fixtures (Electric Lamp)

**American Reflector & Lighting Co., 517 W Jackson blvd., Chicago, Ill.**
Benjamin Electric Mfg. Co. (Fixtures), 128 S. Sangamon, Chicago, Ill.
*See adv index at end of book*
**Brady Electric Mfg. Co., New Britain, Conn.**
**Cutter Geo. Co., South Bend, Ind.**
**Fletcher Mfg. Co., Dayton, O.**
**Line Material Co., South Milwaukee, Wis.**
**Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.**
**National Metal Stamping & Mfg. Co. ("Tidman," "Chapin," "Columbian," "Marten," "Jersey," "Murray," "Tuxedo,' "Tremont"), 494 Mulberry, Newark, N. J.**
**Phila. Electrical & Mfg. Co. ("Pemco" Copper Incandescent Street), 1236 N 31st, Philadelphia, Pa.**
**Wheeler Reflector Co. ("Wheeler"), 156 Pearl, Boston, Mass.**

## Hook-Gage

**See Recorders, Water Level**

## 6301— Hookaroons

**American Logging Tool Co., Evart, Mich.**
**Oshkosh Mfg. Co. (Axe Handle, etc), Oshkosh, Wis.**

## 6302— Hooks (Agricultural)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**

## 6303—Hooks (Automatic Tripping)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*

## 6304— Hooks (Awning)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
**Auer Jno. Jr. (Wrought), 197 Middletown, Brooklyn, N. Y.**
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
**Landers, Frasy & Clark (Wrought), New Britain, Conn.**
**Parker Wire Goods Co. (Wire), Worcester, Mass.**
Titchener, E. H. & Co., Binghamton, N. Y.
**Townsend Co., New Brighton, Pa.**
Wickwire Spencer Steel Corp ("Eclipse" & Eyes), Worcester, Mass.
*See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 6305— Hooks (Back Band)

American Mfg. Co. ("Boss," "Sure Grip" & "H & A"), **Chattanooga, Tenn.**
Elbel Co., Canton, O.
**North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.**
Stanley Wks., New Britain, Conn.
*See adv index at end of book*

## Hooks (Bale & Box)

**See Hooks, Cotton, Box, etc**

## 6306-7— Hooks (Barrel)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
**Auer Jno Jr. (Wrought, Barrel, or Can), 197 Middleton, Brooklyn, N. Y.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Marine Hardware-Equipment Co., So. Portland, Me.
*See adv index at end of book*
Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## Hooks (Belt)

See Belt Fasteners

## 6308— Hooks (Bench)

Buffum Tool Co. ("Swastika," Carpenters'), South Side, Louisiana, Mo.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Millers Falls Co., 28 Warren, New York
Sargent & Company, New Haven, Conn.
Smith, Seymour & Son (Reversible & Screw Adjusting), Oakville, Conn.

## 6309— Hooks (Bill File)

Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York.
*See adv index at end of book*
Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Judd H. L. Co., 87 Chambers, New York
Philadelphia Novelty Mfg. Co., 13th & Noble, Philadelphia, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 6310— Hooks (Bird Cage)

Arcade Mfg. Co. (Swinging, etc), Freeport, Ill.
Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
**HENDRYX ANDREW B. CO.,** New Haven Conn. *See adv index at end of book*
Judd H. L. Co., 87 Chambers, New York
Landers, Frary & Clark, New Britain, Conn.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Parker Wire Goods Co. ("Worcester" Adjustable), Worcester, Mass.
Peck, Stow & Wilcox Co., Southington Conn.
Penn Hardware Co., Reading, Pa.
Pratt Wm. Mfg. Co., 35 W Lake, Chicago, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.
Wire Goods Co., Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

## 6310a— *Hooks (Blind)

Stanley Works, New Britain, Conn.
*See adv index at end of book*

## 6311— Hooks (Block Yacht)

Laughlin Thos. Co., Portland, Me.
Marine Hardware-Equipment Co. ("Acme" & "Wheco"), South Portland, Me.
*See adv index at end of book*

## 6312—Hooks (Boat & Mooring)

Durkee Chas. D. & Co. ("Jacobi"), 2 South, New York
Force Chas C. & Son, Madison, N. J.
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Laughlin Thos. Co., Portland, Me.
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Marine Hardware Co., Peabody, Mass.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
New York Boat Oar Co., 69 West, New York
Shelton Water Co., Derby, Conn.
Wilcox Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## Hooks (Box)

See Hooks, Cotton, Box, Hay, etc

## 6313— Hooks (Bush)

American Axe & Tool Co. (Strapped Eye, etc), Glassport, Pa.
Black John B Co. ("Wm. Beatty & Sons" Ax-Handle, One & Two Rings), Chester, Pa.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Collins Co., Collinsville, Conn.
Dunn Edge Tool Co. ("Champion"), Oakland, Me.
Evansville Tool Works, Evansville, Ind.
Iwan Bros., Streator, Ill.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb Fayette R., Tucker & James, Phila., Pa.
Wadsworth David & Son, Auburn, N. Y.

## Hooks (Button)

See Buttoners, Glove & Shoe

## 6314— Hooks (Cabin Door)

Corbin Cabinet Lock Co., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Durkee Chas. & Co., 2 South, New York
Kell Francis & Son, 401 E 163d, New York
Laughlin, Thos. Co., Portland, Me.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Tiebout W. & J., 118 Chambers, New York

## 6314a—Hooks (Cargo, Safety)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Gerdes & Co., 42 Church, New York.
*See adv index at end of book*
Laughlin, Thos. Co., ("Portland," "Liverpool," "Western," "Seattle," "California"), Portland, Me.
Marine Hardware-Equipment Co., So. Portland, Me.
*See adv index at end of book*

## 6315— Hooks (Carrying)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
O'Kelly Gregory (Safety), 557 W. Jackson blvd, Chicago, Ill.
Ransome Concrete Machinery Co., Dunellen, N. J.

## 6316—Hooks (Ceiling & Chandelier)

Arcade Mfg. Co. ("Arcadian" Bronze), Freeport, Ill.
Atlas Mfg. Co. ("Bradley"), New Haven, Conn.
Champion Hardware Co. ("Champion" Ceiling), Geneva, O.
Dent Hardware Co., Fullerton, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co. ("Eclipse," "Favorite"), Worcester, Mass.
Laughlin, Thos. Co. (Ceiling), Portland, Me.
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Parker Wire Goods Co. ("King," "Queen," Wire), Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Shelby Spring Hinge Co. (Wire, Ceiling Only), Shelby, O.
Stover Mfg. & Engine Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Taylor & Boggis Foundry Co., Cleveland, O.
Tiebout W. & J. (Brass & Bronze), 118 Chambers, New York
Turner & Stanton Co., Norwich, Conn.
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Williamson C. T. Wire Novelty Co. (Wire), Badger av, Newark, N. J.
Wire Goods Co., Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

## 6317—Hooks (Cellar Door Hinge)

Auer John Jr. (No Lead Into Cement), 197 Middleton, Brooklyn, N. Y.

## 6318— Hooks (Choker)

Clyde Iron Works Sales Co. (For Log Skidding, etc), Duluth, Minn.
*See adv index at end of book*

## 6319— Hooks (Clam)

American Fork & Hoe Co., Swetland bldg., Cleveland, O.
Union Fork & Hoe Co., Columbus, O.

## 6320— Hooks (Clinker)

U. S. Wire Mat Co. ("U. S."), Decatur, Ill.

## 6321— Hooks (Clothes Line)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Archibald Co., The, 667 Howard, San Francisco, Cal.
*See adv index at end of book*
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York.
*See adv index at end of book*
Franklin Brass Foundry Co. ("Perfection"), Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co., Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Parker Wire Goods Co., Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Susquehanna Casting Co., Wrightsville, Pa.
Tie Co. ("Holdfast" Tying Device), Unadilla, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilcox Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

## 6322—Hooks (Coat & Hat, Cast)

American Ring Co., Waterbury, Conn.
Arcade Mfg. Co., Freeport, Ill.
Archibald Co., 667 Howard, San Francisco, Cal. *See adv index at end of book*
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York.
*See adv index at end of book*
Backus Novelty Co. (Combination Lock), Smethport, Pa.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Brey & Krause Mfg. Co., Allentown, Pa.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 508 S Peoria, Chicago, Ill.
Champion Hardware Co., Geneva, O
Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
Corbin P. & F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Enterprise Hardware Mfg. Co., Frederick, Md.
Erie Art Metal Co., Erie, Pa.
Frantz Mfg. Co., Sterling, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Hardware Supply Co., Grand Rapids, Mich.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Landers, Frary & Clark, New Britain, Conn.
Laughlin, Thos. Co., Portland, Me.
McKenna Brass & Mfg. Co. (Inc.), (Cast Brass), 1st av & Ross, Pittsburgh, Pa.

HOOKS (COAT & HAT, CAST)—continued

Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Niles Mfg. Co., 216 S Jefferson, Chicago, Ill.
Novelty Mfg. Co., Waterbury, Conn.
Pacific Hardware Mfg. Co., Los Angeles, Cal.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Phoenix Lock Works, 3d av, Newark, N. J.
Reading Hardware Co., Reading, Pa.
Reed & Prince Mfg. Co. (Cast Bronze & Brass), Worcester, Mass.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Searls Mfg. Co. ("Palette"), 29 Mulberry, Newark, N. J.
Shelby Spring Hinge Co. (& Wire), Shelby, Ohio
Stover Mfg. & Engine Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Tiebout W. & J., 118 Chambers, New York
Weber-Knapp & Son Co. (Brass & Iron), Jamestown, N. Y.
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wilcox, Crittenden & Co., Inc. (Galvanized Iron or Brass), Middletown, Conn. *See adv index at end of book*
Williams A. C. Co., Ravenna, O.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Wrightsville Hardware Co., Wrightsville, Pa.

## 6323—Hooks (Coat & Hat, Wire)

Atlas Mfg. Co. ("Bradley," Metal Clasps), New Haven. Conn.
Champion Hardware Co., Geneva, O.
Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hamblin & Russell Mfg. Co., Worcester, Mass.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Jencks E. Mfg. Co. ("Crescent" & "Invisible"), Worcester, Mass.
National Screw & Tack Co., Stanton av., S. E. & C. & P. Ry., Cleveland, O.
Parker Wire Goods Co. ("King," "Vulcan"), Worcester, Mass.
Sharon Hardware Mfg. Co., Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Waterbury Mfg. Co., Waterbury, Conn.
Wickwire Spencer Steel Corp. ("Eclipse," "King," "Vulcan"), Worcester, Mass.
*See adv index at end of book*
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.

## 6324—Hooks (Coke Scraper)

Mineral Ridge Mfg. Co., Mineral Ridge, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 6325—Hooks (Conductor Pipe)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Berger Bros. Co., 229 Arch, Phila., Pa.
Berger L. D. Co., 59 N 2d, Phila, Pa.
Berger Mfg. Co., Canton, O.
Delphos Mfg. Co. ("Clincher"), 1st & Pierce, Delphos, O.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Iwan Bros., South Bend, Ind.
Klauer Mfg. Co. ("Fautless"), Dubuque, Ia.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Milwaukee Corrugating Co. ("Direct Drive"), Milwaukee, Wis.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Ohio Corrugating Co., Warren, O.
Reeves Mfg. Co., Dover, O.



Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Vaughan & Bushnell Mfg. Co. ("V. & B" Drop Forged), 2114 Carroll av, Chicago, Ill.
Whitaker-Glessner Co., Wheeling, W. Va.

## 6326— Hooks (Coring)

Emrich Phil, 824 Main, Cincinnati, O.

## 6327— Hooks (Corn)

See also Knives, Corn

American Axe & Tool Co., Glassport, Pa.
American Fork & Hoe Co. ("Cut Easy," "Yankee," "Acme"), Swetland bldg., Cleveland, O.
Clyde Cutlery Co., Clyde, O.
Earle H. S. Mfg. Co., Ford bldg., Detroit, Mich.
Goodell Co. (Adjustable), Antrim, N. H
National Mfg. & Steel Supply Co., 781 Summit, Newark, N. J.
North Wayne Tool Co. ("C. C. Brooks' "), Hallowell, Me.
Wallingford Mfg. Co. ("Barden's 20th Century," "Carver's," "Handy," "Cyclone"), Wallingford, Vt.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 6328— Hooks (Corner Bind)

American Logging Tool Co., Evart, Mich

## 6329— Hooks (Cornice)

Auer John Jr. (Wrought Japanned), 197 Middleton, Brooklyn, N. Y.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Jencks E. Mfg. Co. (Bright Wire Hooks & Eyes), Worcester, Mass.
Landers, Frary & Clark (Hooks & Eyes), New Britain, Conn.
Parker Wire Goods Co. (Bright Wire), Worcester, Mass.
Wickwire Spencer Steel Corp. (Hooks & Eyes), Worcester, Mass.
*See adv index at end of book*

## 6330—Hooks (Cotton, Box, Hay, Etc.)

Bagshaw & Field, 455 N 5th, Phila., Pa.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y
Drew C. & Co., Kingston, Mass.
Duffy Mfg. Co. (Box only), 214 W Grand av, Chicago, Ill.
Eagle Tool Works, Bayonne, N. J.
Ellis, E. W., Lbr. Co. (Box), Grand Rapids, Mich.
Fischer & Hayes Rope & Steel Co, 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Kraeuter & Co., 583 18th av, Newark, N. J.
Landers, Frary & Clark, New Britain, Conn.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mostberger Iron Co., 878 S Division, Buffalo, N. Y.
Myers F. E. & Bro., 900 4th, Ashland, O.
*See adv index at end of book*
New London Vise Works (Bale, Box, Can, Barrel, etc), New London, Conn.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Sargent & Co. ("New Orleans" Pattern "Whitney," Cotton, etc), New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa
Underhill Hardware Co., Somerville, Mass.
Union Metal Goods Co. (Box & Latch), Pawtucket, R. I.
Vaughan & Bushnell Mfg. Co. ("V. & B." Wood or Steel Handle), 2114 Carroll av, Chicago, Ill.
Watson's Forge & Machine Works ("Butler's), 553 W 35th, New York
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

Wickwire Spencer Steel Corp. (Bale) Worcester, Mass.
*See adv index at end of book*
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## Hooks (Crane)

See Hooks, Hoist

## 6331—Hooks (Crate & Basket)

Automatic Wire Goods Mfg. Co., 13-15 Canal pl., New York
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
Whitman Metal Goods Co. (Basket), Whitman, Mass.
Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*

## 6331a— Hooks (Crochet)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*

## Hooks (Croquet)

See Croquet Sets

## 6332— Hooks (Desk)

Eagle Lock Co., Terryville, Conn.
Keystone Friction Hinge Co., Williamsport, Pa.

## 6333— Hooks (Drapery)

Turner & Seymour Mfg. Co., Torrington, Conn.

## Hooks (Draymans')

See Hooks, Cotton, Box, Hay, etc

## 6334— Hooks (Drive)

Automatic Wire Goods Mfg. Co., 13-15 Canal pl., New York
*See adv index at end of book*
Crabler Mfg. Co., Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 6335— Hooks (Fire Pail)

Jencks E. Mfg. Co., Worcester, Mass.
Reading Hardware Co., Reading, Pa.
Safety Fire Extinguisher Co., 295 7th av., New York
*See adv index at end of book*
Stanley Wks., New Britain, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 6336— Hooks (Fish)

Abbey & Imbrie, 15 Warren, New York
Bings Weedless Fish Hook Co., 84 Loan & Truck, Milwaukee, Wis.
Enterprise Mfg. Co. ("Pflueger"), Akron, Ohio
Lothrop L. D. & Son ("Arthur James" Imported), Gloucester, Mass.
Pardon Fish Hook Co., Owensboro, Ky.
Shakespeare Co., Kalamazoo, Mich.
Winchester Repeating Arms Co. (Winchester), New Haven, Conn.

## 6337— Hooks (Floor)

Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
MYERS F. E. & BRO., 900 4th, Ashland, O. *See adv index at end of book*
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 6338— Hooks (Gaff)

Bonafide Mfg. Co., Plymouth, Mich.
General Phonograph Corp. ("Harrimac," "Good Luck," "M. & B."), 25 W 45th, New York.

Marine Hardware-Equipment Co., South Portland, Me.
*See adv index at end of book*
Redifor Rod & Reel Co. ("Ideal"), Warren, O.

## Hooks (Gate)

See Hooks & Eyes, Gate.

## 6339— Hooks (Grab)

**American Chain Co., Bridgeport, Conn.**
American Hoist & Derrick Co. (Forged Steel), St. Paul, Minn.
American Logging Tool Co., Evart, Mich.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Brunner & Lay (Hoisting & Stone Setters' Grabs), 570 W Polk, Chicago, Ill.
Byers Jno. F. Machine Co. (and Chain), 342 S Sycamore, Ravenna, O.
***See adv index at end of book***
Channon Jas H. Mfg. Co. (Steel Hooks & Chains), 227 W Erie, Chicago, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Lucey Manufacturing Corp., 233 B'way, New York
***For branch offices see Alphabetical Section***
Sasgen Derrick Co. ("Sasgen" Stone Grabs & Chain), 3101 W. Grand av, Chicago, Ill.
Scranton Forging Co., Scranton, Pa.
***See adv index at end of book***
Street J. D. & Co. ("Her-K-ules" Flexible Safety), 41st & Pk, St. Louis, Mo.
Terry & Trench Co., Inc (Hook & Chain), 70 E 45th, New York
United States Chain & Forging Co., (For Long Chains, etc.), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Wallingford Mfg. Co. ("Borden's"), Wallingford, Vt.
Weimer Chain & Iron Co., Lebanon, Pa.
Woodhouse Chain Works, Trenton, N. J.

## 6340—Hooks (Grape Grubbing)

Munnsville Plow Co., Munnsville, N. Y.

## 6341— Hooks (Grapple)

**American Logging Tool Co., Evart, Mich.**
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
Warren Axe & Tool Co., Warren, Pa.

## 6342— Hooks (Grass)

**American Axe & Tool Co., Glassport, Pa., & 253 B'way, New York**
Atkins E. C. & Co., Indianapolis, Ind.
Bartlett Mfg. Co., 43 E Lafayette av., Detroit, Mich.
*See adv index at end of book*
Baker Cutlery & Hardware Co. ("Trenton"), 101 Duane, New York
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Columbian Cutlery Co., Reading, Pa.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y. *See adv index at end of book*
Dunn Edge Tool Co. ("Blue Ribbon," "Gypsy"), Oakland, Me.
Earle H. S. Mfg. Co. ("Little Giant"), Ford bldg, Detroit, Mich.
Henry & Allen, Auburn, N. Y.
Knickerbocker Mfg. Co. ("American," "New York"), Belleville, N. J.
North Wayne Tool Co. ("H. S. Earle's Little Giant"), Hallowell, Me.
Wadsworth David & Son, Auburn, N. Y.
Wallingford Mfg. Co. ("Barden's," "Ideal," "Gem"), Wallingford, Vt.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 6343— Hooks (Hame)

Hager C. & Sons Hinge Mfg. Co. (Wrought Steel, Single & Double), St. Louis, Mo.

## 6344— Hooks (Hammock)

Arcade Mfg. Co. (Hand Forged), Freeport, Ill.
Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
Brooks M. S. & Sons (Wrought), Chester, Conn.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Corbin P. & F., New Britain, Conn.
Grey Iron Casting Co., Mt. Joy, Pa.
Jencks E. Mfg. Co. (Wrought), Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Laughlin Thos. Co., Portland, Me.
Palmer I. E. Co. (Adj.), Middletown, Conn.
Parker Wire Goods Co. (Wrought), Worcester, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Tie Co. ("Holdfast" Tying Device), Unadilla, N. Y.
Wickwire Spencer Steel Corp. (Plate & Screw), Worcester, Mass.
*See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*
Wire Goods Co. (Wrought), Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

## 6345— Hooks (Hanging)

**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**

## 6346— Hooks (Harness)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Arcade Mfg. Co. (Japanned), Freeport, Ill.
Brooks M. S. & Sons, Chester, Conn.
Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Covert Mfg. Co., Troy, N. Y.
Elbel Co., Canton, O.
Frantz Mfg. Co., Sterling, Ill.
Frazer & Jones Co., Syracuse, N. Y.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Imperial Bit & Snap Co. ("Imperial," "Swan's," etc), Racine, Wis.
Jenks E. Mfg. Co. (Steel Mill), Worcester, Mass.
Klauer Mfg. Co., Dubuque, Ia.
Lawrence Bros. (Wrought Steel), Sterling, Ill.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
Ney Mfg. Co., Canton, O.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Oliver Iron & Steel Co. (Hame Hooks), **S 10th & Muriel, Pittsburgh, Pa.**
Parker Wire Goods Co., Worcester, Mass.
Penn Hardware Co., Reading, Pa.
Pratt Wm. E. Mfg. Co. (Pratt's Handy"), 35 W Lake, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Rockford Steel Fixture Co., Rockford, Ill.
Rubber & Celluloid Product Co. ("Albright"), 56 Ferry, Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Sharon Hdw. Mfg. Co. (All Steel Folding), Sharon, Pa.
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Susquehanna Casting Co., Wrightsville, Pa.
Swett A. L. Iron Works, Medina, N. Y.
Weller Hdw. & Fdry. Co., Horseheads, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co. (Wire), Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

## 6347— Hooks (Hitching)

Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
Steward & Romaine Mfg. Co. (Wrought Iron), 124 N 6th, Phila., Pa.

## 6348— Hooks (Hog)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

## 6349— Hooks (Hoist)

Allegheny Forging Co., Keenan bldg., Pittsburgh, Pa.
American Chain Co., Bridgeport, Conn.
American Forge & Mach. Co., Canton, O.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
**BONNEY VISE & TOOL WORKS, INC.,** Allentown, Pa.
*See adv index at end of book*
Cleveland City Forge & Iron Co. (Drop Forged), Cleveland, O.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
**GERDES & CO.,** 42 Church, New York
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Ladish Drop Forge Co., Cudahy, Wis.
Laughlin Thos. Co. ("Dirigo"), Portland, Maine
Western Tool & Forge Co. (With Eye & Shank), Brackenridge, Pa.
Williams J. H. & Co. (Drop-Forged) "Vulcan" Weldless), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

**Williams' "Vulcan" Drop-Forged Hoist Hooks**

**Eye and Shank Patterns**

**17 sizes—½ to 25 tons Safe Working Load**

All are heat-treated after forging and each is "proof- tested" in a standard tension machine, thus absolutely assuring reliability.

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## 6350— Hooks (Hoof)

Osborne C. S. & Co., Box 183, Newark, N.J.
*See adv index at end of book*

## 6351— Hooks (Husking)

**Boss Mfg. Co., Kewanee, Ill.**
Clark R. F. ("Clark," "Corn King," "Corn Queen," "Huskit," "Mascot," Huskers Only), 169 N Jefferson, Chicago, Ill.

## 6352— Hooks (Ice)

Amer. Fork & Hoe Co. (Steel), Swetland bldg, Cleveland, O.
Bonney Vise & Tool Wks, Inc., Cleveland, Pa. *See adv index at end of book*
Columbus Handle & Tool Co., Columbus, Ind.
Gifford-Wood Co., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.

## 6353— Hooks (Insulated)

Brooks M. S. & Sons, Chester, Conn.
Cutter Geo. Co., South Bend, Ind.
**DIAMOND EXPANSION BOLT CO.** ("D-X," Bridle Rings), 89 West, New York *See adv index at end of book*
Line Material Co., So. Milwaukee, Wis.
Pettingell-Andrews Co. ("O'Neill"), 166 Pearl, Boston, Mass.

## Hooks (Jack)

See Hooks, Screw, Cup, etc

## 6354-5— Hooks (Ladder)

Auer John Jr. (Wrought Steel, also Step Ladder), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
Marine Hardware-Equipment Co., South Portland, Maine
*See adv index at end of book*
Moulton C. W. H. Co., Somerville, Mass.
Taplin Mfg. Co., New Britain, Conn.
Tilley John S. Ladders Co., Watervliet, N. Y.
Underhill Hardware Co. (Adjustable), Somerville, Mass.

## Hooks (Lamp)

See Hooks, Ceiling & Chandelier

## Hooks (Lift)

See Lifts, Sash

## 6356-7— Hooks (Lime)

Emrich Phil (Galv. Steel Wire), 824 Main, Cincinnati, O.

## 6358—Hooks (Lug, Chain, Etc.)

See also Hooks, Lumbermen's

American Logging Tool Co., Evart, Mich.
Ransome Concrete Machinery Co. (Or Timber Carriers), Dunellen, N. J.
Warren Axe & Tool Co., Warren, Pa.

## 6359—Hooks (Lumbermen's)

American Chain Co., Bridgeport, Conn.
American Logging Tool Co., Evart, Mich.
Channon Jas. H. Mfg. Co. (Carrying), 227 W Erie, Chicago, Ill.
Lufkin Foundry & Machine Co. ("Martin," Log Loading), Lufkin, Texas
Marine Hardware-Equipment Co., South Portland, Maine
*See adv index at end of book*
Ransome Concrete Machine Co. (Lug, Grappling, Swamp, etc.), Dunellen, N. J.
Sasgen Derrick Co. (Grappling or Log Hooks), 3101 W. Grand av, Chicago, Ill.
Warren Axe & Tool Co. (Lug, Grapple, Swamp, etc), Warren Pa.

## 6360— Hooks (Meat)

Auer John Jr., 197 Middleton, Brooklyn, N. Y.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Enterprise Mfg. Co. of Pa. (Detachable), 3d & Dauphin, Phila., Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co. (Wrought), Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Nat'l Refrigerator Co. (also Racks), 827 Koeln av, St. Louis, Mo.
Parker Wire Goods Co. (Wrought Drive & Screw), Worcester, Mass.
Pittsburg Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Sargent & Co., New Haven, Conn.
Underhill Hardware Co., Somerville, Mass.
Vaughan & Busnnell Mfg. Co. ("V. & B." Steel), 2114 Carroll av, Chicago, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co. (Wrought), Worcester, Mass.

## 6361— Hooks (Mine Car)

Weimer Chain & Iron Co., Lebanon, Pa.

## Hooks (Moulding)

See Hooks, Picture

## 6362— Hooks (Mud)

Gemco Mfg. Co. ("Emergency" for Pneumatic Auto Tires), Milwaukee, Wis.

## 6363— Hooks (Packing)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Eagle Tool Works, Bayonne, N. J.
Mound Tool Co., 1203 S 7th St. Louis, Mo.
**STRONG MACHINERY & SUPPLY CO.** ("Strong's" Lightning & Improved Old Style), 21 Walker, New York
*See adv index at end of book*

## Hooks (Pail)

See Hooks, Fire Pail

## 6364— Hooks (Picture)

American Ring Co., Waterbury, Conn.
Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
Brooks M. S. & Sons (Also Brass Tassel Hooks, etc), Chester, Conn.
Buffalo-Dehn Co. ("Anchor"), 70 W Chippewa, Buffalo, N. Y.
Forsyth Metal Goods Co. ("Uncle Sam," "Beauty," "Big Giant," "Orient"), E Aurora, N. Y.
Goertz August & Co. ("Handihook"), 276 Morris av, Newark, N. J.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hampden Mfg. Co. ("Hampden Hang-Ons" & "Hang-Ups"), 108 Fulton, New York
**HENDRYX ANDREW B. CO.**, New Haven, Conn. *See adv index at end of book*
Jencks E. Mfg. Co., Worcester, Mass.
Judd H. L. Co., 87 Chambers, New York
Novelty Mfg. Co., Waterbury, Conn.
Parker Wire Goods Co. ("Franklin" Solid Brass, etc), Worcester, Mass.
Richards Benj. & Co., Winsted, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Turner & Stanton Co. (Brass & Steel), Norwich, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.
Wire Goods Co. (Brass, etc.), Worcester, Mass.

## 6365— Hooks (Pipe)

See also Hangers, Pipe

Auer Jno Jr. (Wrought Drive for Gas or Soil Pipe), 197 Middleton, Brooklyn, N. Y.
Beaton & Cadwell Mfg. Co. ("Perfection Handy"), New Britain, Conn.
Berger Bros. Co., 229 Arch, Phila, Pa.
Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
Central Foundry Co., 90 West, New York
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Devlin Thos. Mfg. Co. ("Eclipse"), 3d & Lehigh av, Phila., Pa.
Fee & Mason, 81 Beekman, New York
General Fire Extinguisher Co., Providence, R. I.
Grabler Mfg. Co. (Steel), Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hammann Wm. ("O. K." Flashing), 1057 5th, Milwaukee, Wis.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lange August K., 606 E 15th, New York
Leibfried C. H. (Leader & Soil Pipe), 97 Guernsey, Brooklyn, N. Y.
Lucey Manufacturing Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Moore Joshua, Marseilles, Ill.
Mott J. L. Iron Works, Trenton, N. J.
Newbury Mfg. Co., Monroe, N. Y.
New England Bolt Co. (Pipe Hooks), Everett, Mass.
Republic Metalware Co., Buffalo, N. Y.
Reznor Mfg. Co., Mercer, Pa.
Sargent & Co., New Haven, Conn.
Walforth Mfg. Co., Boston, Mass.

## 6366— Hooks (Pivot)

Grey Iron Casting Co., Mt. Joy, Pa.

## 6367— Hooks (Plaster)

Berry Chas. E. ("Berry"), Somerville, Mass.

## 6368—Hooks (Plumbers' Pot)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

## 6369—Hooks (Pole, Fire Department)

Ransome Concrete Machinery Co., Dunellen, N. J.

## 6370—Hooks (Potato, Manure, Etc.)

American Fork & Hoe Co. ("True Temper"), Swetland bldg, Cleveland, O.
Kohler F. E. Co. (Potato), Canton, O.
Union Fork & Hoe Co., Columbus, O.
Wallingford Mfg. Co. ("Hall" Potato), Wallingford, Vt.

## 6371— Hooks (Pulley)

Marine Hardware-Equipment Co. (For Small Pulleys), South Portland, Maine.
*See adv index at end of book*
**MYERS, F. E. & BRO.**, 900 Fourth, Ashland, O. *See adv index at end of book*

## 6372— Hooks (Razor Strop)

Cassady, Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Peck C. A. Hardware Co. ("Presto"), Berlin, Wis.
Res Mfg. Co., 2907 Meinecke av, Milwaukee, Wis.
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 6373—Hooks (Releasing, Life Boat)

Kahnweiler's David Sons ("Wicks"), 260 Front, New York
Steward Davit & Equipment Corp., 17 Battery pl., New York

## 6374—Hooks ("S" or "Eight")

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
Bridgeport Chain Co., Bridgeport, Conn.
Brooks M. S. & Sons (Iron or Brass Wire), Chester, Conn.
Chain Products Co., 3924 Cooper, Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hager C. & Sons, Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co. (Brass & Bright Wire) Worcester, Mass.
Laughlin Thos Co., Portland, Maine
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Oneida Chain Co., Oneida, N. Y.
Parker Wire Goods Co. (Wire & Wrought) Worcester, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Smith Hardware Co., 81 Clay, Newark, N. J.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 6375—Hooks (Safety, for Mine Cages)

Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 6376—Hooks (Sash Curtain Rod)

Jencks E. Mfg. Co. (Brass Plated, etc), Worcester, Mass.
Parker Wire Goods Co. (Brass Plated Wire), Worcester, Mass.

## 6377— Hooks (Sash Pull)

Ives H. B. Co., New Haven, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.

## Hooks (School House)

See Hooks, Coat & Hat

## 6378—Hooks (Screw, Cup, Etc.)

Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
Brooks M. S. & Sons (Iron & Brass Wire), Chester, Conn.
Grammes I. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hindley Mfg. Co. (Brass & Bright Wire), Valley Falls, R. I.
Jencks E. Mfg. Co. (Brass & Bright Wire, Open Screw, Strap & Hook & Single & Double Jointed), Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Laughlin Thos. Co., Portland, Maine
Lawrence Bros. (Wrought Steel), Sterling, Ill.
Marine Hardware-Equipment Co., South Portland, Maine
*See adv index at end of book*
Parker Wire Goods Co. (Bright Wire & Brass), Worcester, Mass.
Pittsburgh Knife & Forge Co. (Forged), Ridge & Chateau, Pittsburgh, Pa.
Richards Benj. & Co., Winsted, Conn.
Stanley Wks., New Britain, Conn.
*See adv index at end of book*
Turner & Seymour Mfg. Co., Torrington, Conn.
Turner & Stanton Co., Norwich, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilcox, Crittenden & Co., Middletown, Conn. *See adv index at end of book*
Williamson C. T. Wire Novelty Co. (Wire), Badger av, Newark, N. J.
Wire Goods Co. (Bright Wire & Brass Wire), Worcester, Mass.
Wire Hardware Co. (Bright & Brass), 6126 S La Salle, Chicago, Ill.

## 6379— Hooks (Seat Spring)

American Mfg. Co. (Wagon), Chattanooga, Tenn.
Harvey Spring & Forging Co., Racine, Wis.

## 6380—Hooks (Shackle, Chain, Etc.)

Cleveland Block Co., 1173 W 11th, Cleveland, O.
Cleveland Chain & Mfg. Co., Penn R. R. & Henry, Cleveland, O.
*See adv index at end of book*
Columbus Anvil & Forging Co., Columbus, Ohio
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gerdes & Co. (Chain), 42 Church, New York. *See adv index at end of book*
Krein Chain Co., Wapakoneta, O.
McMillan's W. H. Sons, 153 South, New York
Marine Hardware-Equipment Co., South Portland, Maine
*See adv index at end of book*
Weimer Chain & Iron Co., Lebanon, Pa.

## 6381— Hooks (Shave)

Bissell F. Co. ("Security"), Toledo, Ohio
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Sayre L. A. Co., 332 Mulberry, Newark, N. J.

## Hooks (Shoe & Glove)

See Buttoners, Shoe & Glove

## 6382— Hooks (Sign)

Auer John Jr. (Wrought Sign or Jam), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.

## Hooks (Singletree)

See Hooks, Whiffletree

## 6383— Hooks (Slip)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Weimer Chain & Iron Co., Lebanon, Pa.

## 6384— Hooks (Snap)

East Bangor Mfg. Co., Bangor, Pa.
Draper & Hall Co. ("Hayes" Lock), Middletown, Conn.
Hayward S. F. & Co. (Fire Dept.), 250 W 54th, New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Laughlin Thos. Co., Portland, Maine
Sargent & Co. (Rings for Signal Hooks), New Haven, Conn.
Wilson Robert P. (Double Ball-Bearing), 320 Market, Newark, N. J.

## 6385— Hooks (Stable Door)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Peters Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa.

## 6386— Hooks (Stay Chain)

American Chain Co., Bridgeport, Conn.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 6387—Hooks (Stone Hoist)

Weimer Chain & Iron Co., Lebanon, Pa.

## 6388— Hooks (Strap)

Jencks E. Mfg. Co., Worcester, Mass.
Parker Wire Goods Co. (Single & Double Jointed & Screw, etc, Wire), Worcester, Mass.

## 6389— Hooks (Swamp)

American Logging Tool Co., Evart, Mich.

## 6390— Hooks (Sweat Pad)

Thomson Judson L. Mfg. Co., Waltham, Mass.

## 6391— Hooks (Switch)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.

## 6392— Hooks (Swivel)

American Logging Tool Co. (Evener), Evart, Mich.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Laughlin Thos. Co. ("Dirigo"), Portland, Maine
Marine Hardware-Equipment Co., South Portland, Maine.
*See adv index at end of book*
Ransome Concrete Machinery Co. (Hooks & Rings), Dunellen, N. J.
Weimer Chain & Iron Co., Lebanon, Pa.
Wilcox, Crittenden & Co., Inc. (Drop Forged), Middletown, Conn.
*See adv index at end of book*

## 6393— Hooks ("T")

Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Jencks E. Mfg. Co., Worcester, Mass.
Parker Wire Goods Co. (Plain & Bend Wire), Worcester, Mass.

## 6394— Hooks (Tag)

Titchener E. H. & Co., Binghamton, N. Y.
Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*

## 6395—Hooks (Tanners' Vat)

Emrich Phil, 824 Main, Cincinnati, O.

## Hooks (Tassel)

See Hooks, Picture

## 6396—Hooks (Telephone Hanger)

Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*

## 6397— Hooks (Tower)

Dent Hardware Co., Fullerton, Pa.

## 6398— Hooks (Towing)

Chase Machine Co. (Releasing), 2313 Elm, Cleveland, O.
Mansfield Steel Corp., 288 E, Milwaukee av, Detroit, Mich.

## 6399—Hooks (Tubing or Casing)

Oil Well Supply Co. (Oil & Gas Well), 215 Water, Pittsburgh, Pa.
Union Tool Co. (For Oil or Gas Wells), Torrance, Cal.

## 6400— Hooks (Tug)

Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Hercules," etc), New Britain, Conn.

## 6401-2— Hooks (Wall)

Hampden Mfg. Co. ("Hang-Up"), 108 Fulton, New York

## Hooks (Wardrobe)

See Hooks, Coat & Hat Cast, Also Hooks, Coat & Hat Wire

## 6403— Hooks (Weeding)

See also Weeders, Garden & Lawn
Arcade Mfg. Co., Freeport, Ill.
Harrow Spring Co., 1st Nat'l Bank bldg, Milwaukee, Wis.
Harry Bros. Co., Carrolton & I. C. R. R., New Orleans, La.
Hills Edwin, Plainville, Conn.
Kohler F. E. Co., Canton, O.
Potter Mfg. Co. ("Secor's," "Excelsior," Fire Prong & Diamond Pattern), Geneva, O.
Reading Saddle & Mfg. Co. (Malleable Iron, Enameled Handle), Reading, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Von Phul Gilbert D., Hibernia Bk bldg., New Orleans, La.

## 6404— Hooks (Whiffletree)

Giblin & Co. ("Premium"), Utica, N. Y.
Harvey Spring & Forging Co., Racine, Wis.
Keystone Forging Co. (Drop Forged), Northumberland, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Racine General Mfg. Co. (Jobbers), Racine, Wis.
Titchener E. H. & Co., Binghamton, N. Y.

## 6405—Hooks (Window Pole)

Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.

## 6406— Hooks (Wire)

Automatic Wire Goods Mfg Co., 13-15 Canal pl, New York
*See adv index at end of book*
Brooks M. S. & Sons (All Kinds, Brass & Iron), Chester, Conn.
Eastern Tool & Mfg. Co., Bloomfield av, Bloomfield, N. J.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co., Worcester, Mass.
Merritt F. M. ("Merritt" Grape Basket) Penn Yan, N. Y.
Parker Wire Goods Co., Worcester, Mass.
Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*

## 6407— Hooks (Wire Rope)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Laughlin Thos. Co., Portland, Maine
Marine Hardware-Equipment Co., South Portland, Maine
*See adv index at end of book*
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 6408— Hooks (Wrecking)

National Malleable Castings Co. ("Goodman"), 7706 Platt av, S. E., Cleveland, O.

## 6409—Hooks & Eyes (Brace)

Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.

## 6410—Hooks & Eyes (Brass & Steel)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Jencks E. Mfg. Co., Worcester, Mass.
Parker Wire Goods Co. (Bright Wire), Worcester, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 6411—Hooks & Eyes (Dress)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Cassady Fairbank Mfg. Co. ("Ried"), 6126 S La Salle, Chicago, Ill.
Clinton-Wright Wire Co. (Morgan Spring Div.), Worcester, Mass.
*See adv index at end of book*
De Long Hook & Eye Co., 21st & Clearfield, Phila., Pa.
Francis Mfg. Co., Niagara Falls, N. Y.
Hughes Mfg. Co., Rome, N. Y.
Star Pin Co., Derby, Conn.
Sterling Pin Co., Derby, Conn.
U. S. A. Co., Shelton, Conn.
West Electric Hair Curler Co., Hancock & Columbia, Phila., Pa.

## 6412—Hooks & Eyes (Gate)

Brooks M. S. & Sons, Chester, Conn.
Buffum Tool Co. ("Swastika," Self-Locking), South Side, Louisiana, Mo.
Covert Mfg. Co., Troy, N. Y.
Covert Saddlery Works (Hooks & Staples), Interlaken, N. Y.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co. (Brass & Bright Wire, etc), Worcester, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
Parker Wire Goods Co. (Bright & Brass Wire), Worcester, Mass.
Sargent & Co., New Haven, Conn.
Wagner Mfg. Co. (Bright Wire), Cedar Falls, Ia.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 6413—Hooks & Eyes (Tent)

Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*
Wilcox, Crittenden & Co., Inc. (Brass), Middletown, Conn.
*See adv index at end of book*

## 6414—Hooks & Eyes (Wire)

Hamblin & Russell Mfg. Co., Worcester, Mass.
Jencks E. Mfg. Co. (Brass & Bright Wire), Worcester, Mass.
Parker Wire Goods Co. (Bright), Worcester, Mass.
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Sterling Pin Co., Derby, Conn.
Wagner Mfg. Co. (Bright), Cedar Falls, Iowa
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co. (Bright), Worcester, Mass.

## 6415—Hooks & Rings (Plate)

Heath J. S. Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Stolz Jas. & Son Inc., 841 E 36th, New York
Wilcox, Crittenden & Co., Inc., Middletown, Conn.
*See adv index at end of book*

## 6416—Hooks & Staples (Wrought Steel)

**GRAMMES L. F. & SONS,** Allentown, Pa.
*See adv index at end of book*
Landers, Frary & Clark, New Britain, Conn.
Lawrence Bros., Sterling, Ill.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co., Sterling, Ill.
**STANLEY WORKS,** New Britain, Conn.
*See adv index at end of book*
Titchener N. H. & Co., Binghamton, N. Y.

## 6417—Hooks & Tees (Chain)

New Castle Steel & Iron Co., Pittsburgh, Pa.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*

## 6418— Hoops (Coiled Elm)

Adams D. L., Portland, Ind.
American Cooperage Co., Helena, Ark.
Auglaize Cooperage & Lbr. Co., Minster, O.
Decatur Hoop & Lumber Co., Decatur, Mich.
Des Arc Hoop & Lumber Co., Des Arc, Ark.
Dyersburg Hoop Co., Dyersburg, Tenn.
Franklin Coil Hoop Co., Franklin, Ind.
Hampton Stock Farm Co., Glenwood, Mich.
Ideal Hoop Co., Ashtabula, O.
Michigan Hoop & Stave Co., Marinette, Wis.
Morrison W. E., Poplar Bluff, Mo.
Rex Hoop, Stave & Heading Co., Helena, Ark.
Sheline E. R. & Son, Edon, O.
Smith M. C., Moorhead, Miss.
Standard Hoop Co., Ltd., Bay City, Mich.
Struthers Cooperage Co., Romeo, Mich.
Tennessee Hoop Co., Memphis, Tenn.
Union City Hoop & Lumber Co., Union City, Ind.
Wylie & Wilson, Saginaw, Mich.

## 6418a— Hoops (Embroidery)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Embroidery Hoop Co., Canton, O.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Gibbs Mfg. Co., Canton, Ohio

## 6419— Hoops (Fish Net)

Smith G. W. & Son, Canterbury, Conn.

## 6420— Hoops (Mast)

Gloucester Block Co., Gloucester, Mass.
Laughlin Thos. Co. (Galvanized Wrought Iron & Wood), Portland, Me.
McMillan's W. H. Sons, 153 South, New York
Moffitt J. D., Scotland, Conn.
New York Boat Oar Co., 69 West, New York

## 6420a— *Hoops (Rolling)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 6420b— *Hoops (Sieve)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 6421— Hoops (Slack Barrel)

Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.

## 6421a—*Hoops (Tambourine)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 6421b—*Hoops (Toy Rolling)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 6422— Hoops (Truss)

Brainerd J. W. Steel Co., (Butter Tub), Warren, Ohio
Cincinnati Truss Hoop Co. (Iron & Steel Barrel), 115 W 2d, Cincinnati, O.
Ft. Wayne Iron Steel Rolling Mills, W. Taylor, Ft. Wayne, Ind.
*See adv index at end of book*
Frelinger J. G. Iron Works, 115 W 2d, Cincinnati, O.
Nunning Frank & Son, 215 W 2d, Cincinnati, O.
Wabash Truss Hoop Co. ("Champion"), Mt. Carmel, Ill.

## 6423— Hoops (Tub, Iron)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
Weed & Co. ("Every Ready"), 95 Swann, Buffalo, N. Y.

## 6424— Hoops (Wire)

American Mfg. Co., Chattanooga, Tenn.
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
De Haven Mfg. Co. (Cold Rolled Steel), 50 Columbia Heights, Brooklyn, N. Y.
Wire & Steel Products Co. Inc., 417 E 22nd, New York

## 6425—Hoops & Bands (Welded Steel)

Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Mott Wheel Works, Jackson, Mich.
Standard Parts Co., Cleveland, O.

## 6426—Hoppers (Ash, Cement & Coal)

American Bridge Co., 30 Church, New York
Bergen Point Iron Wks., Bayonne, N. J.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
**DOVER BOILER WORKS,** Sales Office; 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505 Leetonia, O. *See adv index at end of book*
Hammond Iron Wks., Warren, Pa.
*See adv index at end of book*
Kansas City Structural Steel Co. (Clement), Kansas City, Mo.
Lakeside Bridge & Steel Co., North Milwaukee, Wis. *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila, Pa. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Mitchell-Tappen Co., 15 John, New York
**Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.**
Nelson N. P. Iron Wks., 212 40th, Brooklyn, N. Y.
Phoenix Iron Wks. Co., Meadville, Pa.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*

## 6427— *Hoppers (Car)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 6428— Hoppers (Closet)

Bellmark Co. (Porcelain), Trenton, N. J.
Camden Pottery Co. (Porcelain), Camden, N. J.
Duner Co., 101 S Clinton, Chicago, Ill.
Indiana Hollow Ware Co. (Enameled), Jeffersonville, Ind.
Jones Hollow Ware Co. (Porcelain Enameled), 1012 Ashland av, Baltimore, Md.
Maddock's Thos. Sons (Porcelain & Vitreous China), Trenton, N. J.
Monument Pottery Co. (Vitreons), Trenton, N. J.
N. J. China Pottery Co., Trenton, N. J.
Resolute Pottery Co. (Porcelain), Trenton, N. J.
Standard Mfg. Co. (Porcelain Enameled), 439 Water, Pittsburgh, Pa.
Trenton Potteries Co. (Porcelain), Trenton, N. J.
Wheeling Sanitary Mfg. Co. (Porcelain & Vitreous China), Wheeling, W. Va.

## 6428a— Hoppers (Floor)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 6429—Hoppers for Power Plants

Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Hamler Boiler & Tank Co., 3906 S Halsted, Chicago, Ill.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry., Philadelphia, Pa.
*See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
McNamara Bros. Co., Westport, Baltimore, Md.
Phoenix Iron Works, Meadville, Pa.
Pollock Wm. B. Co. (Large Capacity), Youngstown, O.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.

## Hoppers (Grain)

See Hoppers, Loading

## 6430— Hoppers (Loading)

Barnard & Leas Mfg. Co. (On Trucks, for Grain, etc), Moline, Ill.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Graver Corp., East Chicago, Ill.
*See adv index at end of book*
Insley Mfg. Co. (Portable & Controllable Car-Side for Sand & Gravel), 3500 E St. Clair, Indianapolis, Ind.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Philadelphia, Pa.
*See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*

## 6430a— *Hoppers (Receiving)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*
Stolz Jos. & Son Inc., 841 E 136th, New York

## 6430b— *Hoppers (Switches)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 6430c—Hoppers (Tower Receiving)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 6431— Hoppers (Weighing)

Holmes Robt & Bros. (Coal), Danville, Ill. *See adv index at end of book*
Link-Belt Co., 329 W. 39th, Chicago, Ill., & Hunting Park av & P R RY., Philadelphia, Pa.
*See adv index at end of book*
Pratt Engineering & Machine Co. (Dust), Atlanta, Ga.

## 6432—Hoppers & Bells (Furnace)

Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Weimer Machine Works Co., Lebanon, Pa.

## 6433— Horns (Automobile)

Adams-Bagnall Electric Co. ("A. B. Trumpet"), Platt av, Cleveland, O.
American Electric Co. ("Samson" Automobile Motorcycle & Motorboat, Electric & Hand Operated), 6401 S State, Chicago, Ill.
Automobile Supply Mfg. Co. ("Newtone," "Rubes," "Electra," "Apollo," Electric), 80 B'way, Brooklyn, N. Y.
Barco Brass & Joint Co. (Exhaust), 212 W Illinois, Chicago, Ill.
Electric Horn & Specialty Co. ("Oneida" Electric), Utica, N. Y.
Electric Spark Appliance Co. ("Olympic" Electric), 140 Imlay, Brooklyn, N. Y.
Fitzgerald Mfg. Co. ("Clero" Electric), Torrington, Conn.
Flanders Co. ("Flanders" Electric), Owen bldg, Detroit, Mich.
Fowler Lamp & Mfg. Co. ("Fowler" All Metal Horn & Whistle Blower), 59 E 24th, Chicago, Ill.
Fulton Co. ("Aermore" Exhaust), 742 75th av, Milwaukee, Wis.
Gabriel Mfg. Co., 1407 E 40th, Cleveland, O.
Garford Mfg. Co. ("Rexo" Electric, Hand & Motor Horns, Elyria, O.
General Phonograph Mfg. Co. ("Rexo" Electric Hand & Motor Horns), Elyria, Ohio
Heinze Electric Co. (Mechanical), Lowell, Mass.
Interstate Mach. Prods. Co., Inc. (Fire), 56 Allen, Rochester, N. Y.
Kales Stamping Co. ("Ka-Ha-Co."), 443 Lafayette av, Detroit, Mich.
Kent Atwater Mfg. Works ("Monoplex" Electric), 4937 Stenton, Phila., Pa.
Lovell-McConnell Mfg. Co. ("Klaxon"), 194 Wright, Newark, N. J.
Miller Chas. E. (Imp), 97 Reade, New York
Motor Car Equip. Co., 19 W 62d, New York
North East Elec. Co., Rochester, N. Y.
Novelty Mfg. Co. ("Novelco"), Waterbury, Conn.
Piel G. Co. ("Long"), 29 13th, Long Island City, N. Y.
Post & Lester Co. ("Voller"), Hartford, Conn.
Premier Electric Co. ("Repello," "Hi-Lo" Electric), 1123 S Wabash av, Chicago, Ill.
Randall-Faichney Co. ("Jubilee," "Jericho"), Boston, Mass.
Riley-Klotz Mfg. Co. (Also Bicycle,, Tricycle, etc), 17 Mulberry, Newark, N. J.
Russell Electric Co. ("Saxon," "Russell-Hammer," "Treco," Electric), Danbury, Conn.
Sears-Cross Co. ("Thunder"), 147 41st, Brooklyn, N. Y.
Seiss Mfg. Co. ("Seiss" and Bicycle), Toledo, O.
Sireno Co. (Electric), 20 Rose, New York
Sparks-Withington Co. ("Sparton" Electric), Jackson, Mich.
Standard Metal Mfg. Co. ("Cygnet"), 237 Chestnut, Newark, N. J.
Stewart-Warner Speedometer Corp. (Hand & Motor Driven), 1826 Diversey Parkway, Chicago, Ill.
Superior Lamp Mfg. Co. (Electric), 136 W 52d, New York
Talking Horn Co. (Mechanical), Middletown, N. Y.
Troy Auto Specialty Co. ("Exo"), Troy, N. Y.
Typhoon Signal Co. (Electric), 20 Chicago, Lincoln, Ill.
Vernon Mfg. Co., Los Angeles, Cal.
Warner Electric Co. (Electric), Muncie, Ind.

## Horns (Bicycle)

See Horns, Automobile

## 6434— Horns (Cattle)

Wilson & Co., Union Stock Yards, Chicago, Ill.

## 6435— Horns (Dinner)

Central Stamping Co., 172 Fulton, New York
National Enameling & Stamping Co., 411 5th av, New York

## 6436— Horns (Electrical)

Benjamin Electric Mfg. Co., 128 S. Sangamon, Chicago, Ill.
*See adv index at end of book*
E. A. Laboratories, 80 B'way, Brooklyn, N. Y.
Elec'l Sales Co., 176 Federal, Boston, Mass.
Federal Sign System, 8700 S State, Chicago, Ill.
Heath Siren Mfg. Co., San Francisco, Cal.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Interstate Mach. Prodts. Co., Inc., 36 Allen, Rochester, N. Y.
Klaxon Co., 194 Wright, Newark, N. J.
Lincoln Metal Products Co., Lincoln, Ill.
North East Elec. Co., Rochester, N. Y.
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway, Chicago, Ill.
Tele-Call Co., 1209 Marquette rd., Cleveland, O.
Trinity Bell Elec. Mfg. Co., 216 W Kinzie, Chicago, Ill

## 6436a— Horns (Factory)

American Model & Instrument Co., ("Amico"), 54 Commercial, Worcester, Mass.
Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*

## 6436b— Horns (Fire Signal)

American Model & Instrument Co. ("Amico"), 54 Commercial, Worcester, Mass.
Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Safety Fire Extinguisher Co., 275 7th av, New York *See adv index at end of book*

## 6437— Horns (Fog)

See also Whistles, Automobiles & Motor Boat
Dover Stamping & Mfg. Co. ("Dover"), Cambridge, Mass.
Lothrop L. D. & Son, Gloucester, Mass
Motor Car Equipment Co., 19 W 62d, New York
National Enameling & Stamping Co., 411 5th av, New York
National Marine Lamp Co., Forestville, Conn.

## 6438— Horns (Phonograph)

National Metal Stamping & Mfg. Co. ("Amplifying"), 494 Mulberry, Newark, N. J.

HORNS (PHONOGRAPH)—continued

Sheip & Vandegrift ("Music Master" Wood), 814 N Lawrence, Phila., Pa.
Standard Metal Mfg. Co. ("Cygnet" Metal), 237 Chestnut, Newark, N. J.

## 6439— *Horns (Shoe)

Grammes L. F. & Sons (Metal), Allentown, Pa. *See adv index at end of book*

## 6440—Horse Powers (Contractors')

American Hoist & Derrick Co. (Duplex Geared, etc), St. Paul, Minn.
Browning Sommer Adams Co., Cleveland, O.; Mansfield, O.; & College Point, N. Y.
*See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*

## 6441—Horse Powers (Sweep)

See also Horse Powers, Tread; also Powers, Dog, Sheep, etc); also Horse Powers, Contractors'
Alamo Iron Works, San Antonio, Tex.
American Hoist & Derrick Co. (Duplex Geared, etc), St. Paul, Minn.
Appleton Mfg. Co. ("Appleton," "New Prize," "Modern Hero"), Batavia, Ill.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Challenge Co. (Sweep "Challenge"), Batavia, Ill.
Johnsburg, Vt.
Collins Plow Co. (4 to 6 Horse Triple Geared), Quincy, Ill.
Ellis Keystone Agricultural Works (Lever, Iron Frame "Keystone"), Pottstown, Pa.
Freeman Mfg. Co., Racine, Wis.
Gehl Bros. Mfg. Co. ("Climax," "Pitts"), West Bend, Wis.
Greenville Implement Co., Greenville, Mich.
Hamachek Frank ("Giant"), Kewaunee, Wis.
Harrison Machine Works, Belleville, Ill.
Hart Grain Weigher Co. (Steel), Peoria, Ill.
Heebner & Sons ("Superior"), Lansdale, Pa.
Hildreth Bros., Harvard, Mass.
Kline Lewis T., Alpena, Mich.
Lehr Agricultural Co., Fremont, O.
Lyon Iron Works, Green, N. Y.
Marseilles Works of Deere & Co. (And Jacks), East Moline, Ill.
New Winona Mfg. Co. ("Diamond" Sweep), Winona, Minn.
Portable Elevator Mfg. Co., Bloomington, Ill.
Rowell I. B. Co. ("Climax"), Waukesha, Wis.
Rumley Leo Tractor Co. ("Dingee-Woodbury"), La Porte, Ind.
Sandwich Mfg. Co. ("Samson"), Sandwich, Ill.
Smalley Mfg. Co., Manitowoc, Wis.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Stover Mfg. & Engine Co., Freeport, Ill.
Warner Elevator Mfg. Co., Warner, Ill.
Wenzelman Mfg. Co., Galesburg, Ill.
Wilder-Strong Implement Co Monroe, Mich.
Wodsedalak Jos., Algoma, Wis.

## 6442-3—Horse Powers (Tread)

Appleton Mfg. Co. ("Success"), Batavia, Ill.
Ellis Keystone Agricultural Works, Pottstown, Pa.
Messinger Mfg. Co. ("The Reynolds" Horse or Baby), Tatamy, Pa.

## Horse Shoe Calks

See Toe Calks, Steel

## 6444— Horses (Towel)

Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.

## 6445— Hose (Acid)

Acme Rubber Mfg. Co., Trenton, N. J.
American Metal Hose Co. ("American"), Waterbury, Conn.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
McIlroy Belting & Hose Co., Hammond, Ind.
N. J. Car Spring & Rubber Co. ("Carspring"), 91 Brunswick, Jersey City, N. J.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Revere Rubber Co. ("Revere"), Chelsea, Mass.
U.S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

## 6445a— Hose (Air)

Lorier W. B. Co., 415 S Dearborn, Chicago, Ill.

## 6446— Hose (Air Brake)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Empire Tire & Rubber Corp., Trenton, N. J.
Flexible Armored Hose Co. (& Air Signal), Buffalo, N. Y.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co. ("U. S.," "Maltese Cross"), 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Mechanical Rubber Co., 73 Reade, New York
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co., 91 Chambers, New York
Quaker City Rubber Co., 629 Market, Phila., Pa.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Sprague Electric Works, 527 W 34th, New York
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York
Walraven Co. The (Dealers), 36-38 W, Alabama, Atlanta, Ga.
*See adv index at end of book*
**WESTINGHOUSE AIR BRAKE CO.**, Pittsburgh Pa.
**WESTINGHOUSE TRACTION BRAKE CO.**, Pittsburgh, Pa.
Whitehead Bros. Rubber Co., Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 6447— Hose (Air Drill)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Cowen," "Service," "Bull-Dog," "Ironclad," "Leader), Cambridge, Mass.
Cincinnati Rubber Mfg. Co., Cincinnati, O
Cleveland Pneumatic Tool Co. ('Bowes"), 3734 E 78th, Cleveland, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Dallett Thos. H. Co. 1301 Federal, Phila., Pa.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Electric Hose & Rubber Co. ("Barcus," "Colossus," "Electric," "Marvelo," "Mineralite," "Pokomoke," "Supero," "Uganda," "Velvet"), 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
Flexible Armored Hose Co., Buffalo, N. Y.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co. ("Maltese Cross," "Ridgewood," "Wallabout"), 126 Duane, New York
Hewitt Rubber Co. (Heavy Weight, "Hewitt Magnus," "Wrapped Duck," "Magnus," "Elmwood," "Linwood," Molded & Braided "Unit," "Standoil," "Converso"), Buffalo, N. Y.
Independent Pneumatic Tool Co., 600 W Jackson blvd., Chicago, Ill.
Ingersoll-Rand Co. 11 B'way, New York
*See adv index at end of book*
Mercer Rubber Co., 95 Broad, New York
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
NEW YORK RUBBER CO. (Also Pneumatic Tool "Dutchess," "Cameo") 323 W Randolph, Chicago, Ill., & Reade & Church, N. Y.
Pioneer Rubber Mills ("Victor," "Seal Rock," & "Sun Set"), 68 Sacramento, San Francisco, Cal.
Quaker City Rubber Co. ("Ebonite," "Crown," "Aero," "Girard"), 629 Market, Phila., Pa.
Revere Rubber Co., Chelsea, Mass.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co. ("Boreas"), 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 6448-9— Hose (Braided)

American Metal Hose Co. ("American" Flexible Metallic), Waterbury, Conn.
Boston Belting Corp. ("Forsyth" & "Roxbro"), 84 Linden Park, Boston, Mass.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Electric Hose & Rubber Co. ("Blacksnake," "Electric," "Marvelo," "Red Snake," "Velvet," Continuous Length), 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Home Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York
Whitehead Bros. Rubber Co., Trenton, N. J.

## Hose (Brewers')

See Hose, Garden, Steam, Mill, Etc.

## 6450—Hose Carriages & Carts

Abbot Downing Truck & Body Co., Concord, N. H.
American-LaFrance Fire Engine Co., Elmira, N. Y.
Anderson Coupling & Fire Supply Co., Kansas City, Kansas.
Hayward S. F. & Co. (Hose Carts), 250 W 54th, New York.
Maxim Motor Co., Middleboro, Mass.
Metric Packing Co., 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*
Pirsch Peter & Co., Kenosha, Wis.
Safety Fire Extinguisher Co., 291 7th av, New York
Stewart A. F., Rochester, N. Y.
Wirt & Knox Mfg. Co. ("Knox," for Railroads, Mills, etc), 23d & York, Phila., Pa.
Woodhouse Mfg. Co., 64 W B'way, New York

## 6451-2-3—Hose (Chemical Engine)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Electric Hose & Rubber Co. ("Crusoe," "Electric," "Salome," "Supero," "Zenobia," "Marvelo," "Velvet"), 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
Flexible Armored Hose Co., Buffalo, N. Y.
Gutta Percha & Rubber Mfg. Co. ("Baker Fabric," "Princeton," "Rescue," "Jax"), 126 Duane, New York
Hewitt Rubber Co. ("Hewitt," "Magnus," "Linwood," Engine & Tender), Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Quaker City Rubber Co. ("Phaspa"), 629 Market, Phila., Pa.

Rex-Harris Fire Appliance Co., 310 W 39th, New York
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
Whitehead Bros. Rubber Co., Trenton, N. J.

## Hose Connections

See Couplings, Hose

## Hose (Corrugated Tender)

See Hose, Rubber

## 6454— Hose (Cotton)

Acme Rubber Mfg. Co. ("Admiral," "Commodore," "Ensign," "Gunner"), Trenton, N. J.
Allen W. D. Mfg. Co. (Linen), 566 West Lake St., Chicago, Ill.
*See adv index at end of book*
Bay State Belting Co., 349 Congress, Boston, Mass.
Boston Belting Corp. ("Niagara," "Imperial," "Phoenix," "Trimount," "Excelsior," "American Underwriters," "Linden"), 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Boston Fire Jacket," "Bay State Jacket," "Vigo," "Perfection," "Cowan," "Leader," "Paramount," "O. K." Underwriters), Cambridge, Mass.
"Purple Line," "Casco," "Reo,"
Boyle Jno & Co., 112 Duane, New York
Combination Rubber Mfg. Co., Bloomfield, N. J.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Empire Mfg. Co. (Cotton Rubber Lined), Lockport, N. Y.
Empire Tire & Rubber Corp. ("Empire's Best," "XX Extra," "Merrimac," "Model," "Monitor"), Trenton, N. J.
Eureka Fire Hose Mfg. Co. (Rubber Lined), 27 Barclay, New York
Fabric Fire Hose Co., 127 Duane, New York
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. (Rubber Lined) ("Trout," "Obelisk," "Goodyear Special"), 539 Mission, San Francisco, Cal.
*See adv index at end of book*
Gutta Percha & Rubber Mfg. Co. ("Baker Fabric," "Princeton," "Rescue," "Ajax"), 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Co., Passaic, N. J.
Mechanical Rubber Co. ("Franklin," "Vernon," "Columbian," "Randolph," "Calumet," "Amazon," "Sterling"), 73 Reade, New York
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Pioneer Rubber Mills ("Victor," "Guardian," "Defender"), 68 Sacramento, San Francisco, Cal.
Quaker City Rubber Co. (Rubber Lined), 629 Market, Phila., Pa.
Revere Rubber Co. (Rubber Lined, etc), Chelsea, Mass.
SAFETY FIRE EXTINGUISHER CO., 295 7th av, New York
*See adv index at end of book*
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co. (Marline & Cotton Woven Cover, "Lafayette," "Cartaret," "Cornell," "Pennant"), 18 Bostwick av, Jersey City, N. J.

## 6455— Hose Couplings

See also Couplings, Hose

Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
Waterbury Mfg. Co., Waterbury, Conn.

## 6556— Hose (Dredging)

See Hose Submarine, also Hose, Rubber
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*

## 6556a— Hose (Duck)

COUCH MILLS CO., Atlanta, Ga.

## 6556b—Hose (Filling Station)

METAL HOSE & TUBING CO. ("Triplexd"), 252 Tillary, Brooklyn, N. Y.
*See adv index at end of book*

## 6457— Hose (Fire)

Acme Rubber Mfg. Co., Trenton, N. J.
Barnes Henry K. Co. ("Fire King," "Conqueror"), 234 Devonshire, Boston, Mass.
Beck Wm. & Chas. (Linen), Lawrence, Mass.
Bi-Lateral Fire Hose Co. ("Bi-Lateral"), 326 W Madison, Chicago, Ill.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Coupling Co. ("Reliance" Cotton Light & Heavy, etc), 156 Pearl, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Boston Fire Jacket," "Bay State," "Jacket," "Vigo," "Perfection," "Cowen," "Paramount" & "Leader," "O. K," "Underwriters"), Cambridge, Mass.
C. C. C. Fire Hose & Rubber Co., Canton Junction, Mass.
Callahan Cornelius Co. (Cotton), 127 Purchase, Boston, Mass.
Chicago Fire Hose Co. (Cotton Rubber Lined), 124 W Lake, Chicago, Ill.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Empire Mfg. Co. (Cotton Rubber Lined), Lockport, N. Y.
Empire Tire & Rubber Corp. ("Empire's Best," "XX Extra," "Merrimac," "Model," "Monitor," "A-1" & "Arrow" Cotton Rubber Lined; also Rubber), Trenton, N. J.
Eureka Fire Hose Mfg. Co. ("Eureka," "Paragon," "Red Cross," "Surprise Jacket," "Peerless Jacket," "Eagle," Cotton Rubber Lined; also Linen, Plain & Rubber Lined), 27 Barclay, New York
Fabric Fire Hose Co., 127 Duane, New York
Goodrich B. F. Co. ("Gray King" & "White King," Woven Cotton, Rubber Lined, etc), Akron, O.
Gutta Percha & Rubber Mfg. Co. ("Maltese Cross," "Baker Fabric," "Ajax," "Princeton," "Rescue" Cotton Line & Rubber), 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co. (Double & Single Jacket "Hewitt," "Elmwood," "Magnus," "Underwriters"), Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Jewell Belting Co., Hartford, Conn.
McIlroy Belting & Hose Co. ("Rubber-Ite" Linen), Hammond, Ind.
Mechanical Rubber Co., Cleveland, O.
Mercer Rubber Co. (Rubber), Hamilton Sq., N. J.
Metric Packing Co. ("Metric"), 244 Kensington av, Buffalo, N. Y.
*See adv index at end of book*
Mulconroy Co., 54th & Jefferson, Philadelphia, Pa.
N. J. Car Spring & Rubber Co. ("Tuebor," "Carspring," "Metropolitan," "A1,") Rubber Lined, Cotton), 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co. (Rubber & Cotton), 91 Chambers, New York
Niedner's Chas. Sons Co. (Linen), Malden, Mass.
Quaker City Rubber Co. ("Quaker City," "Pometus"), 629 Market, Phila., Pa.
Republic Rubber Co. ("Relief") Youngstown, O.
Revere Rubber Co. (Rubber & Cotton & Rubber Lined), Chelsea, Mass.
Rex-Harris Fire Appliance Co. (Linen & Rubber), 310 W 39th, New York
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Rossendale-Reddaway Belting & Hose Co. (Linen), Newark, N. J.
Safety Fire Extinguisher Co., 291 7th av, New York *See adv index at end of book*
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co. ("Marshall," Cotton Rubber), 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N.J.

## 6458—Hose (Flexible Metallic)

American Metal Hose Co. ("American"), Waterbury, Conn.
Am. Metal Moulding Co., 141 N. J. R. R. av, Newark, N. J.
Chicago Tubing & Braiding Co., 216 N Clinton, Chicago, Ill.
COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Columbia Metal Hose Wks., 532 W 22d, New York
DEWES A. CO., THE, 199 Lafayette, New York
Electric Hose & Rubber Co. ("Cynis," "Electric," Gas & Gasoline), 12th & Dure, Wilmington, Del.
Flexible Armored Hose Co., Buffalo, N. Y.
FRICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Goodyear Tire & Rubber Co. ("Kantkink") Akron, O.
Interlocked Metallic Hose Co., Orchard & Scott, Newark, N. J.
Johns-Manville H. W. Co., Madison av & 41st, New York
METAL HOSE & TUBING CO. ("Triplexd"), 252 Tillary, Brooklyn, N. Y.
*See adv index at end of book*
Mulconroy Co. (All Metal in Brass, Bronze, Copper & Steel), 54th & Jefferson, Phila., Pa.
Pennsylvania Flexible Metallic Tubing Co. (Copper or Steel, High Pressure, with Asbestos Interlining), Broad & Race, Philadelphia, Pa.
STRONG MACHINERY & SUPPLY CO., 21 Walker, New York
*See adv index at end of book*
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
U. S. Flexible Metallic Tubing Co. (Metal Hose), Los Angeles, Cal., & San Francisco, Cal.
Universal Flexible Conduit Co., 109-111 Tichenor, Newark, N. J.
Voorhees Rubber Mfg. Co. (Armor), 18 Bostwick, Jersey City, N. J.

## 6459—Hose (Flexible Steel Armored)

Sprague Electric Works (Steel Armored), 527 W 34th, New York

## 6460—Hose (Garden, Steam, Mill, Etc.)

See also Hose, Fire

Acme Rubber Mfg. Co., Trenton, N. J.
Allen W. D. Mfg. Co. ("Greenwood," "Premier," "Pluvius"), 566 West Lake st, Chicago, Ill.
*See adv index at end of book*
American Metal Hose Co. ("American" Flexible Metallic, Steam & Mill), Waterbury, Conn.
Belmont Packing & Rubber Co. ("Belmont," Steam), 133 N 2d, Phila., Pa.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Bull Dog," "Good Luck," "Milo," "Tiger," "Leader," "Block Line," "Paramount," "Conservatory," "Garden," "Service," "Bay State," "Tiger" Steam), Cambridge, Mass.
Breeze Carbureter Co. (Steam), 250-52 South, Newark, N. J.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Electric Hose & Rubber Co., Garden, Brewers' Hose & Water, "Blacksnake," "Christiana," "Delaware," "Delmarvia," "Electric," "Nocer," "Quintuple," "Supero," "Marvelo," "Wilmington," "X," "XX," "XXX," "XXXX," "XXXXX," 12th & Dure, Wilmington, Del.
Empire Mfg. Co. (Cotton Rubber Lined), Lockport, N. Y.
Empire Tire & Rubber Corp. ("Empire's Best," "Merrimac," "Model," "Monitor," "Perfect," "Hop Toad," "Alabama," "Advance," "Amazon," "Eagle," "Diamond," "La Salle," "Hercules," "Chicago," "Vulcan," "High Test," "Greenhouse," "Hero," "Peninsular," "Rival," "King" & "Yale"), Trenton, N. J.

HOSE (GARDEN, STEAM, MILL, ETC) —continued
**Eureka** Fire Hose Mfg. Co. (Cotton & Linen), 27 Barclay, New York
**Flexible Armored Hose Co.** (Flexible Armored, for Steam, Gas, Oil & Water), Buffalo, N. Y.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co. ("Maltese Cross Carbolized," "Wallabout," "Rescue," "Prospect," "Nassau," "Tempest," "Tornado," "Princeton," "Montauk," "Pyramid," "Flushing," "Long Length"), 126 Duane, New York
Hewitt Rubber Co., ("Glenwood," "Linwood" Mill, "Magnus," "Ursus," "Inca," "Mohigan," "Ottuma" Garden, "Elmwood" Steam), Buffalo, N. Y.
**Home** Rubber Co. (Rubber), Trenton, N. J.
Knowlton Geo. W. Rubber Co., 60 Pearl, Boston, Mass.
**Manhattan** Rubber Mfg. Co., Passaic, N. J.
**Mercer** Rubber Co., Hamilton Sq., N. J.
**Mulconroy Co., 54th & Jefferson, Phila., Pa.**
**MYERS F. E. & BRO,** 900 Fourth, Ashland, O. *See adv index at end of book*
**N. J Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.**
**New York Belting & Packing Co., 91 Chambers, New York**
**NEW YORK RUBBER CO.,** 323 W Randolph, Chicago, Ill., & Reade & Church, New York
**Neidner's Chas. Sons Co. (Linen), Malden, Mass.**
**Quaker City Rubber Co.,** ("Makta," "Hercules," "Corporal," "Corsair," "Katan," "Kernel," "Ketmar," "Major," "Nymph," "Orient," "Ringmeter," "Sargent," "Tioga," "Wonderful" & "Yankee"), 629 Market, Phila., Pa.
**Republic** Rubber Co. ("Chariot"), Youngstown, O.
Revere Rubber Co., Chelsea, Mass
Safety Fire Extinguisher Co. (Steam & Mill), 295 7th av, New York
*See adv index at end of book*
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.
Walraven Co., The (Dealers), 36-38 W Alabama, Atlanta, Ga.
*See adv index at end of book*

## 6461— Hose (Gasoline)

Chicago Tubing & Braiding Co. ("Rex"), 216 N Clinton, Chicago, Ill.
**METAL HOSE & TUBING CO.** ("Triplexd"), 252 Tillary, Brooklyn, N. Y.
*See adv index at end of book*
Myer Herbert J. Co. (Metalhued), finest Gasoline Hose at Low Prices), 225-27 Cedar, Buffalo, N. Y.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.

## 6462-3— Hose (Linen)

Bay State Belting Co., 349 Congress, Boston, Mass.
Beck Wm. & Chas., Lawrence, Mass.
Boston Woven Hose & Rubber Co. ("Black Line," Service), Cambridge, Mass.
Callahan Cornelius Co., 127 Purchase, Boston, Mass.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Empire Mfg. Co., Lockport, N. Y.
**Empire Tire & Rubber Corp.** ("King," "Yale," & "Rival," Unlined), Trenton, N. J.
Eureka Fire Hose Mfg. Co. (Plain or Rubber Lined), 27 Barclay, New York
Fabric Fire Hose Co., 127 Duane, New York
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hewitt Rubber Co., Buffalo, N. Y.
Manhattan Rubber Mfg. Co., Passaic, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Niedner's Chas. Sons Co. (Fire), Malden, Mass.
Quaker City Rubber Co. (Underwriters), 629 Market, Phila., Pa.
Revere Rubber Co., Chelsea, Mass
Rosendale-Reddaway Belting & Hose Co., Newark, N. J.
**SAFETY, FIRE EXTINGUISHER CO.** 295 7th av, New York
*See adv index at end of book*
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## Hose (Metal)

See Hose, Flexible Metallic

## 6464— Hose (Mill)

See also Classification 6460

Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*

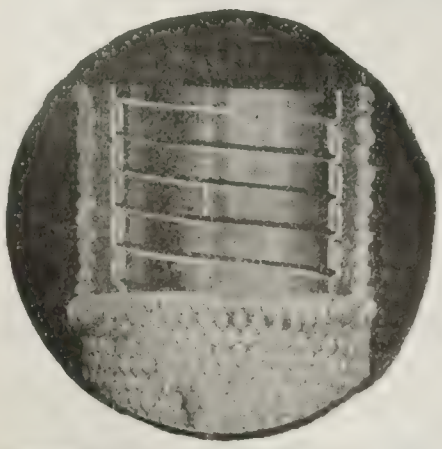
## 6464a—Hose (Oil Suction and Discharge)

Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
**METAL HOSE & TUBING CO.** ("Triplexd"), 252 Tillary, Brooklyn, N. Y.
*See adv index at end of book*
Walraven Co., The, 36-38 W Alabama, Atlanta, Ga.
*See adv index at end of book*

## 6464a1— Hose (Oil)

Allen W. D. Mfg. Co., 566 West Lake st, Chicago, Ill.
*See adv index at end of book*
**DEWES A. CO., THE** (Galvanized Steel & Flexible), 119 Lafayette, New York
**METAL HOSE & TUBING CO.** ("Triplexd"), 252 Tillary, Brooklyn, N. Y.
*See adv. index at end of book.*
Pioneer Rubber Mills ("Live Oak," Smooth & Wire Lined, a Combination Suction & Discharged), 68 Sacramento, San Francisco, Cal.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.


# Specify TRIPLEXD—Be Sure of Service



There is no hose exactly like TRIPLEXD. TRIPLEXD construction (the way the metal, rubber and fabric are built into a permanent unit) explains TRIPLEXD performance.

Triplexd Gasoline Hose is the strongest, most flexible and durable gasoline, oil and paint spray hose.
It will give you better service than any other hose at any price.

**List Prices**
(Substantial discounts quoted on request)

| Size (Inside Diameter) | Hose Per Foot | Couplings |
|---|---|---|
| ½ | $ .70 | $2.00 |
| ¾ | 1.00 | 2.40 |
| 1 | 1.20 | 3.90 |
| 1¼ | 1.80 | 6.60 |
| 1½ | 2.30 | 8.00 |
| 2 | 3.50 | 12.00 |
| 2½ | 4.40 | 18.00 |

We make and carry in stock couplings for all standard pumps. Briggs Standard Pipe Thread furnished unless otherwise specified.

**Guarantee**
Every length of TRIPLEXD Pump Hose bears a serial number and is specifically guaranteed for one year's service.*
We stand back of every length of TRIPLEXD in the world.

*Specify* TRIPLEXD *for replacement—It means fewer replacements*

TRIPLEXD
XX GASOLINE HOSE XX

Lengths of Triplexd are still on the job after four years' service

METAL HOSE & TUBING CO.
INCORPORATED
252 Tillary St.
BROOKLYN, N. Y.

*The average service life of Triplexd is over two years

### 6464a2—Hose (Oxy-Acetylene)

Allen W. D. Mfg. Co., 566 West Lake st, Chicago, Ill.
*See adv index at end of book*
Electric Hose & Rubber Co. ("Electric"), 12th & Dure, Wilmington, Del.
MacLeod Co., 2227 Boegen, Cincinnati, O.
*See adv index at end of book*

### 6464b— Hose (Paint Spray)

**METAL HOSE & TUBING CO.** ("Triplexd"), 252 Tillary, Brooklyn, N. Y.
*See adv index at end of book*

### Hose (Pneumatic Tool)

See Hose, Air Drill

### Hose (Protected)

See Hose, Wire Wound

### 6465— Hose (Radiator)

Eclat Rubber Co. ("Ekla"), Cuyahoga Falls, O.

### Hose (Reels & Racks)

See Reels & Racks, Fire Hose

### 6466— Hose (Rotary Drill)

Dominion Asbestos & Rubber Corp, 154 Nassau, New York
*See adv index at end of book*
**NEW YORK RUBBER CO.,** 84 Reade, New York; 323 W Randolph, Chicago, Ill.; 805 Franklin av, Houston, Texas.

### 6467— Hose (Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.
Akron Rubber Mold & Machine Co., Akron, O.
Allen W. D. Mfg. Co., 566 West Lake st, Chicago, Ill. *See adv index at end of book*


# HOSE

Our entire floor of our store is devoted to rubber goods. Complete stocks of water, steam, air, suction and every other kind of rubber hose in four grades. Get our price before buying.

**W. D. ALLEN MANUFACTURING CO.**
**566 West Lake Street**
**Chicago, Ill.**


Boston Belting Corp. ("Niagara," "Tri-mount," "Boston," "Universal," "Imperial," "Excelsior," "Roxbro," "Wearwell," "Elmwood," "Phoenix"), 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Damascus," "Bull Dog," "Boston Terrier," "Bay State," "Tiger," "Invincible," "Leader," "Dauntless," "Vim" "Helmet," "Cowen," "Ironclad" "Granger"), Cambridge, Mass.
C. C. C. Fire Hose & Rubber Co., 2 Canton Jct., Mass.
Cincinnati Rubber Mfg. Co. ("Arno," "Bolivian," "Broncho," "Cincinnatus," "Congo," "Losant," "Mezen," "Norka," "Norwood," "Pacemaker," "Sandow"), Cincinnati, O.
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Combination Rubber Mfg. Co. ("Indestructene," "Franklin"), Bloomfield N. J.
Continental Rubber Works, Erie, Pa.
Crescent Flexible Armour Co., Trenton, N. J.
Dominion Asbestos & Rubber Corp, 154 Nassau, New York
*See adv index at end of book*
Electric Hose & Rubber Co. (all brands), 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp. ("Merricam," "Alabama," "Advance," "Amazon," "Monitor," "Eagle," "Model," "Empire's Best," "Diamond," "La Salle," "Greenhouse," "Hercules," "Chicago," "Vulcan," "Perfect," "Hero," "High Test" & "Peninsular"), Trenton, N. J.
Fabric Fire Hose Co., 127 Duane, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. (All Sizes), "Hippo," "Rhino," "Tortoise," "Plover"), 539 Mission, San Francisco, Cal.
*See adv index at end of book*
Goodyear Rubber Co. & Rubber Clothing Co. ("Gold Seal," "Pioneer"), 787 B'way, New York
Gutta Percha & Rubber Mfg. Co. ("Ridgewood," "Wallabout," "Maltese Cross"), 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co. ("Black Seal," "Tiger," "White Cross," "World," "N. B. O."), Trenton, N. J.
Johns-Manville H. W. Co., Madison av & 41st, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
Marquise Rubber Co., 200 5th av., New York
Mechanical Rubber Co. ("Monarch," "Bengal," "Beaver," "Competition," "Superior," "Chicago"), 307 W Randolph, Chicago, Ill.
Mulconroy Co., 54th & Jefferson, Phila., Pa.
National India Rubber Co. ("Anchor," "Bristol," "Aurora," "Fidelity," "National," "Narragansett," "Massasoit," "Red Oak," "Ruby," "Pontiac," "Saranac," "Sagamore," "Seekonk," "Seminole," "Wauregan"), Bristol, R. I.
New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co. ("1846 Para," "Carbon," "Double Diamond"), 91 Chambers, New York
**NEW YORK RUBBER CO.,** "Dutchess," "Cameo," "Clinton" "Wiccapee"), 323 W Randolph, Chicago, Ill. & Reade & Church, New York
Pioneer Rubber Mills ("Live Oak," "Seal Rock," "Sunset," "Bay City," "Native," "Crackproof," "Clover," "Poppy"), 68 Sacramento, San Francisco, Cal.
Quaker City Rubber Co. ("Atlantic"), 629 Market, Phila., Pa.
Republic Rubber Co. ("Tower," "Hector," "Sanco," "Hydro," "Republic"), Youngstown, O.
Revere Rubber Co. ("Giant," "Granite," "Shawmut"), Chelsea, Mass.
Rex-Harris Fire Appliance Co. (Fire & Garden), 310 W 39th, New York
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
**UNION ASBESTOS & RUBBER CO.,** 231 S Wells st, Chicago, Ill.
*See adv index at end of book*
U. S. Rubber Co., 1790 Broadway, New York
**Voorhees Rubber Mfg. Co.** ("Bostwick," "Sensation," "Federal," "Pacific," "Sentinel," "Celtic," "Saxon," "American," "Conqueror," "Contest"), 18 Bostwick av, Jersey City, N. J.
**Whitehead Bros. Rubber Co.** ("Competition," "Thistle," "Juno," "Clover," "Golden Rod," "Ivory," "Long Life"), Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

### 6467a— Hose (Sand Blast)

Dominion Asbestos & Rubber Corp, 154 Nassau, New York
*See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

### 6468— Hose (Steam)

Allen W. D. Mfg. Co. ("Three-Star," "Defiance," "Yale," "United States," "Lexington"), 566 West Lake st, Chicago, Ill.
*See adv index at end of book*
**DEWES A. CO., THE** (Bronze & Flexible), 199 Lafayette, New York
Dominion Asbestos & Rubber Corp, 154 Nassau, New York
*See adv index at end of book*
Electric Hose & Rubber Co. ("Brandywine," "Colossus," "Electric," "Supero," "Tarpon"), 12th & Dure, Wilmington, Del.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.

### 6469— *Hose (Steam Drill)

Dominion Asbestos & Rubber Corp, 154 Nassau, New York
*See adv index at end of book*
**Ingersoll-Rand Co., 11 B'way, New York**
*See adv index at end of book*

### 6470— Hose (Submarine)

Acme Rubber Mfg. Co., Trenton, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Electric Hose & Rubber Co. ("Buoy," "Electric"), 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
**Flexible Armored Hose Co., Buffalo, N. Y.**
Goodrich B. F. Co., Akron, O.
**Gutta Percha & Rubber Mfg. Co., 126 Duane, New York**
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
**Manhattan Rubber Mfg. Co., Passaic, N. J.**
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
**Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City,, N. J.**

### 6471— Hose (Suction)

**Acme Rubber Mfg. Co., Trenton, N. J.**
Allen W. D. Mfg. Co. ("Lexington," "United States," "Mandarin," "Killarney," "Neptune"), 566 West Lake st, Chicago, Ill.
*See adv index at end of book*
Boston Belting Corp., 84 Linden Park, Boston, Mass.
**Boston Woven Hose & Rubber Co. ("Blue Bell," "Bay State," "Tiger," "Cowen," "Royal," "Harvester," "Gleaner" "Granger," "Wizard"), Cambridge, Mass.**
Cincinnati Rubber Mfg. Co., Cincinnati, O.
**Combination Rubber Mfg. Co., Bloomfield, N. J.**
Continental Rubber Works, Erie, Pa.
**DEWES A. CO. (THE),** (Bronze & Galvanized Steel), 199 Lafayette, New York
**Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.**
Electric Hose & Rubber Co. ("Acetic," "Christiana," "Colossus," "Standard," "Suple"), 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
**Flexible Armored Hose Co., Buffalo, N. Y.**
**Goodrich B. F. Co. (Extra Heavy), Akron, Ohio**
**Gutta Percha & Rubber Mfg. Co. ("Maltese Cross," "Wallabout," "Ridgewood"), 126 Duane, New York**
Hewitt Rubber Co. ("Magnus," "Elmwood," "Linwood," "Maywood," Smooth Bore & Hat Rubber), Buffalo, N. Y.
**Home Rubber Co., Trenton, N. J.**
**Mercer Rubber Co., Hamilton sq, N. J.**
**MYERS F. E. & BRO.,** 900 4th, Ashland, O. *See adv index at end of book*
National Copper Refining Co., 7003 Quincy, Cleveland, O.
N. J. Car Spring Rubber Co., 91 Brunswick, Jersey City, N. J.
**New York Belting & Packing Co., 91 Chambers, New York**
**NEW YORK RUBBER CO.,** 323 W Randolph, Chicago, Ill., & Reade & Church, New York
Pioneer Rubber Mills ("Seal Rock," "Sunset," "Bay City"), Sacramento, San Francisco, Cal.
Quaker City Rubber Co. ("Agton," "Jestor," "Ruhral," "Prairy," 629 Market, Phila., Pa.
U. S. Rubber Co., 1790 Broadway, New York
**Whitehead Bros. Rubber Co. (Wire & Smooth Bore), Trenton, N. J.**
**Woven Steel Hose & Rubber Co., Trenton, N. J.**

### Hose (Tank)

See Hose, Garden, Steam, Mill, Etc.

## 6472—Hose (Tank Car—Unloading)

Myer Herbert J. Co., 225-27 Cedar, Buffalo, N. Y.

## Hose (Vacuum Cleaner)

See Hose, Wire Wound

## 6473— Hose (Water)

See also Hose, Rubber

Allen W. D. Mfg. Co. (Conducting "Alenco," "Yale," "United States," "Defiance," "Lexington"), 566 West Lake st, Chicago, Ill.
*See adv index at end of book*
Hewitt Rubber Co. ("Wrapped Duck," "Magnus," "Elmwood," "Linwood," "Maywood" Molded & Braided "Hewitt"), Buffalo, N. Y.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.

## 6474— Hose (Wire Wound)

Acme Rubber Mfg. Co., Trenton, N. J.
American-Metal Hose Co. ("American"), Waterbury, Conn.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
**MYERS F. E. & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*
National India Rubber Co., Bristol, R. I.
New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Quaker City Rubber Co., 629 Market, Phila., Pa.
Revere Rubber Co., Chelsea, Mass.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

## 6475—Hosiery (Elastic, Surgical)

Bauer & Black, 45 W 25th, Chicago, Ill.
Brown W. E., 39 Broad, Providence, R. I.
Burton D. F., Pythian Temple, Cleveland, O.
Carter Wm. Co., Needham Heights, Mass.
Chesterman & Streeter, 25 S 11th, Phila., Pa.
Common Sense Truss Co., 306 W Madison, Chicago, Ill.
Curtis & Spindell Co., Lynn, Mass.
Flavell Geo. W. & Bro., 1011 Spring Garden, Phila., Pa.
Freeman Mfg. Co., 357 Case, Detroit, Mich.
Gorse F. W. Co., Needham Heights, Mass.
Gorse Wm. & Co., Needham Heights, Mass.
Hall W. A. Mfg. Co., St. Louis, Mo.
Hessler H. H., 38 Arcade, Cleveland, O.
Holmes Isaac, 411 Elm, Cincinnati, O.
Holmes John G., 111 S 8th, Phila., Pa.
Holmes O. H. (Seamless Cotton & Silk), Conshohocken, Pa.
Horn W. H. & Bro. ("Hornbro" Seamless, "Antler" Seamed), 435 N 3d, Phila., Pa.
Kendrick James R. Co., 125 Herman, Phila., Pa.
Ladd Geo. W. Co., 34 Columbus, Boston, Mass.
MacAdams Bros., 912 Walnut, Phila., Pa.
Norman Wm. Co. (Cotton & Silk), 1832 Ogden av, Chicago, Ill.
Ohio Truss Co., 12 E 9th, Cincinnati, O.
Pacific Surgical Mfg. Co., Los Angeles, Cal.
Parker Henry, 100 W 23d, New York
Rice E., St. Paul, Minn.
Sharp & Smith, 65 E. Lake, Chicago, Ill.
Truax, Greene & Co., 171 N Wabash, Chicago, Ill.
Walton Thos S., Needham Heights, Mass.
Ware Mfg. Co. (Silk & Cotton), Camden, N. J.
White C. W. & Co., 99 Court, Boston, Mass.
Wood S. C. & Son, Pittsfield, Mass.
Worcester Elastic Stocking & Truss Co., Worcester, Mass.

## 6475a— Hospital Sheeting

Du Pont Fabrikoid Co., Wilmington, Del.

## 6476—Hot Soda Apparatus (Automatic)

Rowe L. L., 74 Portland, Boston, Mass.

## 6477— Hot Wells

**WHEELER CONDENSER & ENGINEERING CO.** (Indicating), Carteret, N. J.
*See adv index at end of book*

## Hotel Cooking Apparatus

See Cooking Apparatus

## 6478—Hotel-Ware (Polished Steel, Etc.)

Burg E. F. Co. (& Hotel Supplies), 224 W 1st, Duluth, Minn.
Cleveland Stamping & Tool Co. ("Solid Steel" Polished & Tinned), E 53rd & Hamilton, Cleveland, O.
National Enameling & Stamping Co. (Wrought Steel), 411 5th av, New York

## 6478a—Hotel & Kitchen Outfits

See also Cooking Apparatus

Budd & Westermann, 7th av & 29th, New York
Kronman E., 248 Lafayette, New York
**SEXTON S. B. STOVE & MFG CO.,** 500 Block, W Conway, Baltimore, Md.

## Hotels Calls

See Annunciators

## 6479-80— Hounds (Bent)

Crane & MacMahon, 10 Bridge, New York
Eureka Bending & Wheel Works, York, Pa.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Graham Thos. & Co., Madison, Ind.
Kohler F. F., South Zanesville, O.
Lamb-Fish Lumber Co., Charleston, Miss.
Metropolis Bending Co., Metropolis, Ill.
Shepard H. G. & Sons, New Haven, Conn.
Skinner J. M. Bending Co., Toledo, O.
Wildermuth Bending Co., Columbus, O.

## House Numbers

See Numbers & Letters, Metal

## House Wreckers

See Building Materials, Second Hand

## House & Porch Trimmings, Etc.

See Columns, Porch, Etc.; also Corner, Base & Head Blocks; also Doors, Hardwood & Veneered; also Grille, Fret & Lattice Work; also Interior Finish, Wholesale Manufacturers; also Lumber Manufacturers; also Mouldings, Various Kinds; also Ornaments, Wood; also Sash, Door & Blinds; also Stair Builders' Supplies; also Wood Turnings, Various Kinds

## 6481— Household Reminders

Kohler Die & Specialty Co. ("Deaton"), De Kalb, Ill.

## 6482—Houses (Farrowing, Hog)

Kretchmer Mfg. Co., Council Bluffs, Ia.
Martin Steel Products Co., Mansfield, O.

## 6483—Houses (Knock-Down)

See also Portable Houses

North American Construction Co., Bay City, Mich.
Ready Built Home Co., Mystic, Conn.

## 6484—Houses (Pole or Pilot)

Central Telephone & Electric Co., 310 N 11th, St. Louis, Mo.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Nagel W. G. Electric Co. ("Ready"), Toledo, O.

## 6485— Housings (Axle)

**BOSSERT CORPORATION, THE** (For Automobile, Motor Truck & Tractor, cor. Linden st & West av, Utica, N. Y.
*See adv index at end of book*
Chicago Steel Foundry Co. (Cast Steel), 3201 S Kenzie av, Chicago, Ill.
Crosby Co., 183 Pratt, Buffalo, N. Y.
Detroit Pressed Steel Co. (Pressed Steel), 1800 Mt Elliott av, Detroit, Mich.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Lee & Porter Mfg. Co., Buchanan, Mich.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, Ohio.
*See adv index at end of book*

## 6486—Housings (Iron & Steel For Rolling Mills)

Heltzel Steel Form & Iron Co., Warren, O.
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, O.

## 6487— Housings (Valve)

Clark H. W. Co., Mattoon, Ill.

## 6488-9—Hubs, Automobile (Ball & Roller Bearing)

Allith-Prouty Co. (For Ford Cars), Danville, Ill.
American Pulley Co., 114 S Clinton, Chicago, Ill.
Bossert Corp., The (Wire Wheel), cor. Linden st & West av, Utica, N. Y.
*See adv index at end of book*
Defiance Screw Machine Products Co., Defiance, O.
Harris & Reed, 1500 W 15th, Chicago, Ill.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline, Boston, Mass.
Standard Parts Co. (The), Cleveland, O.
Superb Mfg. Co., Inc., Monticello, Ind.
Timken Roller Bearing Co., Roller Bearings only, Canton, O.
Weston-Mott Co., Flint, Mich.
**YOUNGSTOWN PRESSED STEEL CO.,** Warren, O.
*See adv index at end of book*

## 6490—Hubs (Bicycle & Motor Cycle)

Corbin Screw Corp., New Britain, Conn.
Eclipse Machine Co. (Front & Rear), 18th, Elmira, N. Y.
Harris & Reed, 1500 W 15th, Chicago, Ill.
New Departure Mfg. Co. ("New Departure" Bicycle), Bristol, Conn.
*See adv index at end of book*
Standard Parts Co. (The), Cleveland, O.
*See adv index at end of book*

## 6491—Hubs (Carriage & Wagon Wheel)

Armstrong Wm. H., South Coventry, Conn.
Atkins Bros., Attoway, Va.
Avoca Wheel Co. (Elm), Avoca, N. Y.
Bailey C. & Co., Elmsport, Pa.
Baldwin Bros. (Wagon), Ironton, Mo.
Baltimore Hub-Wheel & Mfg. Co., Flswy & Gy, Baltimore, Md.
Barden & Robeson Corp., Penn Yan, N. Y.
Bookwalter Wheel Co., Miamisburg, O.
Bonney Vise & Tool Wks. Inc. (Automobiles), Allentown, Pa.
*See adv index at end of book*
Buckley John Hub, Spoke & Wheel Co., 969 N 2d, Philadelphia, Pa.
Buffington Wheel Co., Burlington, Ia.
Campbell M. R., Tullahoma, Tenn.
Clark-Gay Mfg. Co., Little Rock, Ark.
Cone Jos. D., North Vernon, Ind.
Crane & MacMahon, 10 Bridge, New York
Donges John & Co., Hamilton, O.
Eberly & Orris Mfg. Co., Mechanicsburg, Pa.
Fredericktown Lumber Co. (Wagon), Fredericktown, Mo.
Fulton, Conway & Co., Louisville, Ky.
Gladding C. B., Geneva, O.
Graham Thos. & Co., Madison, Ind.

Hawesville Hub Mfg. Co., Hawesville, Ky.
Holt Bros. Mfg. Co., Concord, N. H.
Hoopes Bros. & Darlington (Elm), West Chester, Pa.
Kellogg T. D. Lumber & Mfg. Co., Antigo, Wis.
Landis S. H. & Bro., Quakertown, Pa.
Lebzelter Phillip & Son Co., Lancaster, Pa.
Lee W. J. (Wagon), Arcadia, Mo.
Look & Lincoln, Marion, Va.
MacKinnon F. Mfg. Co., Grand Rapids, Wis.
Martin Hub Works, Tidioute, Pa.
Ness Bros. & Co., York, Pa.
Obrechts John Sons Mfg. Co., Tell City, Ind.
Owensboro Wagon Co., Owensboro, Ky.
Pinneo & Daniels Co., Dayton, O.
Red Star Spoke Co., Fayetteville, Ark.
Redington Hub Co., Robys Corner, N. H.
Reuter Hub & Spoke Co., Dexter, Mo.
Schmidt & Stork Wagon Co., West Bend, Wis.
Shaw Co., Crandon, Wis.
Shortsville Wheel Co. ("Heath," "Sweet"), Shortsville, N. Y.
Southern Wheel Stock Co., Ironton, O.
Standard Parts Co., Cleveland, O.
Standard Wheel Co., Terre Haute, Ind.
Stevens A. E. & Co., Portland, Me.
Stevenson Mfg. Co., South Bend, Indiana.
*See adv index at end of book*

**Baby Carriage Hubs**
Made of KILN-DRIED HARDWOOD
Guaranteed Uniform
ANY PATTERN DUPLICATED
Catalog Issued
**STEVENSON MFG. CO.**
SOUTH BEND, IND.

Tell City Spoke Co., Tell City, Ind.
Wheel & Wood Bending Co., Bridgeport, Conn.
White Oak Hub Co., Vina, Ala.

### 6491a—Hubs (Picture Film Reel)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 6492—Hullers (Clover & Alfalfa)

Aultman & Taylor Machinery Co. ("Matchless"), Mansfield, O.
Avery Co. ("Yellow Fellow," "Yellow Kid," "Yellow Baby"), Peoria, Ill.
Birdsell Mfg. Co., South Bend, Ind.
Harder Mfg. Co., Cobleskill, N. Y.
Maytag Co., Newton, Ia.
Rumley Leo Proctor Co. ("Gear-Scott," "Rumley"), La Porte, Ind.
Westinghouse Co. ("Westinghouse"), Schenectady, N. Y.

### Hullers (Coffee & Rice)

See Rice & Coffee Hulling Machinery

### 6493—Hullers (Cotton Seed)

American Machine & Mfg. Co. (Self-Setting), Atlanta, Ga.
Bauer Bros. Co. (Disc), Bauer bldg., Springfield, O.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Chandler Construction Co., 31 State, Boston, Mass.
Diamond Huller Co. ("Big Giant," "Mammouth," "Diamond" Disc Huller & Separator), Winona, Minn.
Empire Cotton Oil Co., Bainbridge, Ga.
French Oil Mill Machinery Co. ("Job"), Piqua, O.
Murray Co., Dallas, Texas
Sprout, Waldron & Co. (Disk), Muncy, Pa.

### 6494—Hullers or Blanchers (Peanut)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Lambert Machine Co., Marshall, Mich.

### 6495—Hullers (Pea & Bean)

Aultman & Taylor Mach. Co., Mansfield, O.
Avery Co. ("Avery," "Yellow Fellow," "Yellow Kid," "Yellow Baby"), Peoria, Ill.
Chattanooga Implement & Mfg. Co. ("Royal" Pea), Chattanooga, Tenn.
Chisholm-Scott, Cadiz, O.
Farquhar A. B. Co. (Ltd.), York, Pa.
Huber Mfg. Co., Marion, O.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Sprague Canning Machinery Co. (Canners'), 222 N Wabash av, Chicago, Ill.
Westinghouse Co. ("Westinghouse"), Schenectady, N. Y.

### 6496—Hullers (Strawberry)

Cassady Fairbank Mfg. Co. ("Manehardt"), 6126 S La Salle, Chicago, Ill.
Crown Pitter Co., Cleveland, O.
Stephens, Windsor & Co. ("Nip-It"), Waltham, Mass.
White Ira F. & Son Co., Bloomfield, N. J.

### 6497—Hulls (Steel Dredge, Etc.)

ELLICOTT MACHINE CORP., 111 Bush, Baltimore, Md.
*See adv index at end of book*
Fairbanks Steam Shovel Co., Marion, O.

### 6498—Humidifiers (Cigar & Tobacco)

Bishop & Babcock Co. ("Humigars"), 1204 E 55th, Cleveland, O.
Bubeck & Guerin, 161 W 18th, New York
Eureka Blotter Bath Co. ("Eureka"), 6221 Wentworth av, Chicago, Ill.
McAfee J. W., 645 W 171st, New York
Reid-Geisler Mfg. Co., 5237 Ravenswood av, Chicago, Ill.

### 6499—Humidifying Apparatus

See also Moistening Apparatus, Air

American Blower Co., 1400 Russell, Detroit, Mich.
American Moistening Co. ("Comins" Sectional), 120 Franklin, Boston, Mass.
Besly Chas. H. & Co. ("Besly" for Abrasive Discs), 120 N Clinton, Chicago, Ill.
Braemer Air Conditioning Corp., Lafayette bldg, Philadelphia, Pa.
Briggs-Shaffner & Co. ("Hygrosso"), Winston-Salem, N. C.
Carrier Engng. Corpn., 39 Cortlandt, New York
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Duntley Products Sales Co., 732 Michigan av, Chicago, Ill.
Eureka Blotter Bath Co. (Radiators), (for Steam & Hot Water), 6221 Wentworth av, Chicago, Ill.
Green Fuel Economizer Co., Beacon, N. Y.
Humidity Engineering Co., 208 S La Salle, Chicago, Ill.
Johnson Service Co. ("Johnson" Humidostat), 149 Michigan, Milwaukee, Wis.
Mineral Products Co. ("X Yno"), Rhinelander, Wis.
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Parks Cramer Co., Fitchburg, Mass.
Parks G. M. Co. ("Turbo" Humidifier), Fitchburg, Mass.
Reid-Geisler Mfg. Co., 5237 Ravenswood av, Chicago, Ill.
Rhode Island Humidifier Co., Boston, Mass.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Tillotson Humidifier Co., 78 Fountain, Providence, R. I.
Wiese Elec'l Appliance Co., 3217 Lisbon av., Milwaukee, Wis.

### 6500—Humiditors

Bubeck & Guerin, 161 W 18th, New York

### 6500a—*Humidors (Cigar)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

### Humidostats

See Humidifying Apparatus

### 6500b—Humus

See also Fertilizer Mfrs

Alphano Humus Co., 17 Battery pl, New York
Hyper-Humus Co., Newton, N. J.
Rex Humus Co., 25 W 45th, New York

### 6500c—*Hunters Clothing

COUCH MILLS CO., Atlanta, Ga.

### 6501—Huskers & Shredders (Corn)

See also Pickers & Huskers, Corn

Adams Husker Co., Marysville, O.
Appleton Mfg. Co. ("Appleton"), Batavia, Ill.
Decatur Novelty Wks. ("Hill," Corn Huskers only), Decatur, Ill.
International Harvester Company of America (Inc.), ("Deering," "McCormick"), Harvester bldg, Chicago, Ill.
Invincible Grain Cleaner Co. (Huskers Only), Silver Creek, N. Y.
Kolling Husker Works ("Kolling"), Arlington Heights, Ill.
Maytag Co. ("Success"), Newton, Ia.
Milwaukee Hay Tool Co., Layton Park, Milwaukee, Wis.
Ohio Cultivator Co., Bellevue, O.
Peerless Husker Co., 523 Cornwall av, Buffalo, N. Y.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Rosenthal Corn Husker Co. ("Rosenthal"), West Allis, Milwaukee, Wis.
Rumley Leo Tractor Co. ("Adams," "Advance," Eight & Twelve Roll), La Porte, Ind.
Smalley Mfg. Co., Manitowoc, Wis.
Sproul Matt Co. ("Carey Perfect"), Sparta, Ill.
U. S. Wind Engine & Pump Co. ("Standard"), Batavia, Ill.
Walker Mfg. Co., Council Bluffs, Ia.
Wallingford Mfg. Co. ("Excelsior"), Wallingford, Vt.
Walrath Alphonso Co. (Trunk Tin & Iron Huskers, etc), Fort Plain, N. Y.

### 6502—Hydrants (Dry Pipe)

Flint & Walling Mfg. Co., Kendallville, Ind.

### 6503—Hydrants (Fire)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Beaumont Valve & Hydrant Works, Kankakee, Ill.
Bourbon Copper & Brass Works, Cincinnati, O.
Cayuta Mfg. Co. ("K-U-T-A"), Sayre, Pa.
Chapman Valve Mfg. Co., Indian Orchard, Mass.
Coffin Valve Co., Neponset, Boston, Mass.
Columbian Iron Works ("Columbian"), Chattanooga, Tenn.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Douglas W. & B., Middletown, Conn.
Drummond M. J. & Co., 51 Chambers, New York
Eddy Valve Co. (Post & Flush), Waterford, N. Y.
Flower Valve Mfg. Co., 107 Parkinson, Detroit, Mich.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Glamorgan Pipe & Foundry Co., Lynchburg Va.
Howard Iron Works, Buffalo, N. Y.
Iowa Valve Co. ("Iowa"), Oskaloosa, Ia.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Keystone Iron Work, 37th & Santa Fe av, Los Angeles, Cal.
Kupferle Jno. C. Foundry Co. ("Eclipse"), 1st & Wright, St. Louis, Mo.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
Macungie Brass & Mfg. Co. ("Niagara," "Peerless" & "Anti-Freezing"), Macungie, Pa.
McKim Foundry & Machine Co. ("Hooker") Lockport, N. Y.
Myers, F. E. & Bro., 900 Fourth, Ashland, O. *See adv index at end of book*
Norwood Engineering Co. ("Holyoke," "Walker"), Florence, Mass.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Rensselaer Valve Co. ("Corey"), Troy, N. Y.
Ross Valve Mfg. Co. (Portable), 9 Oakwood av, Troy, N. Y.

HYDRANTS (FIRE)—continued
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
Sanitas Mfg. Co., ("Sanitas" Automatic Non-Freezing ), 105 Washington, Boston, Mass.
Smith A. P. Mfg. Co. (High & Regular Pressure), East Orange, N. J.
South Park Foundry & Machine Co., St Paul, Minn.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Thompson J. & Co., Van Horn & Sophia, Phila, Pa.
Vogt Bros. Mfg. Co., Louisville, Ky.
Walworth Mfg. Co., Boston, Mass.
Waterous Engine Works Co., 62 S Robert, St. Paul, Minn.

## 6504— Hydrants (Fire Boat)

Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 6505—Hydrants (Fire, Crane Attachment)

Wood R. D. & Co., 400 Chestnut, Philadelphia, Pa.

## 6506— Hydrants (Wall)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.

## 6507—Hydrants (Yard & Wash)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Columbiana Pump Co., Columbiana, O.
Continental Pipe Mfg. Co., Tacoma, Wash.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Douglas W. & B., Middletown, Conn.
Fales & Jenks Machine Co., Pawtucket, R. I.
General Fire Extinguisher Co. (Surface & Fire), Providence, R. I.
Goulds Mfg. Co., 71 W Fall, Seneca Falls N. Y. *See adv index at end of book*
Haydenville Co. ("Lewis"), Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Henman D. A. & Co. (Rising City Yards), Sandwich, Ill.
Illinois Malleable Iron Co., 1801 Diversey blvd., Chicago, Ill.
Kemp C. M. Mfg. Co. (Yard "Climax" Iron o. Wood), 405 E Oliver, Baltimore, Md.
Kupferle John C. Foundry Co. ("Total Eclipse," Yard & Wall), 1st & Wright, St. Louis, Mo.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Myers F. E. & Bro., 900 Fourth, Ashland, O. *See adv index at end of book*
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Neumeyer H. F. & Son ("American"), Macungie, Pa.
Nichol Thos. J. & Co., Pearl & Ludlow, Cincinnati, O.
Quirin Jno. & Bro. (Street), St. Clair, Pa
Rumsey Pump., Ltd., Box J, Seneca Falls N. Y.
Sanitas Mfg. Co., ("Sanitas" Automatic Non-Freezing ), 105 Washington, Boston, Mass.
Walworth Mfg. Co., Boston, Mass.

## 6508—Hydrate (Ammonium)

General Chemical Co., 25 Broad, New York

## Hydrate of Alumina

See Alumina

## Hydrate of Barytes

See Barium Hydrate

## 6509— Hydraulic Rams

Barnes Mfg. Co., Mansfield, O.
Columbus Pump Co., Columbiana, O.
Comstock Geo. S. & Son, ("Kline"), Mechanicsburg, O.
Crestline Mfg. Co. ("Crestline"), Crestline Ohio
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Hawthrop Allen Jr., Wilmington, Del.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hill Hydraulic Machine Co., Smith bldg, Seattle, Wash.
Humphrys Mfg. Co., Mansfield, O.
Kline Jas. M., Beavertown, Pa.
Love M. A. Mfg. Co., Rockford, Ill.
**MYERS F. E. & BRO.**, 900 Fourth, Ashland, O. *See adv index at end of book*
National Engng. & Equipment Co., Seattle, Wash.
Niagara Hydraulic Engine Co., Chester, Pa.
**RIFE ENGINE CO.**, 90 West, New York
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 6510— Hydriatic Apparatus

Mott L. J. Iron Works, Trenton, N. J.

## 6511— Hydro-Carbon

Fulper Edward B., Trenton, N. J.
Lamson John S. & Bro., 347 Madison av, New York
Ohio Electrolytic Oxygen Co., 942 Kenyon av, Cincinnati, Ohio
Raven Mining Co. ("Kapak"), 140 S Dearborn, Chicago, Ill.
Scheel Wm. H. (Imp.), 159 Maiden lane, New York *See adv index at end of book*

## 6512— Hydrodeiks

Taylor Instrument Co.'s ("Tycos"), Rochester, N. Y.

## 6513— Hydrogen

Air Reduction Sales Co., 120 Broadway, New York
Balbach Co., Omaha, Neb.
California Burdett Oxygen Co. ("Purox" Gas), 52nd & Santa Fe av, Los Angeles, Cal.
Ohio Electrolytic Oxygen Co., 942 Kenyon av, Cincinnati, Ohio
Standard Gas Products Co. Inc. (Compressed), Atlanta, Ga.

## 6513a— Hydrogen Dioxide

Bene John & Sons, 645 Dean, Brooklyn, N. Y.
Brewer & Co., Worcester, Mass.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Mallenckrodt Chem. Wks., 2nd & Mallinckroft, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York

## 6514— Hydrogrounds

Brach L. S. Supply Co., 129 Sussex av, Newark, N. J.
Lord Mfg. Co., 105 W 40th, New York

## 6515— Hydrokineters

Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.

## 6516— Hydrometers

American Thermo-Ware Co. (Battery, for Storage Use), 16 Warren, New York
Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Berg James Mfg. Co., 3707 12th av, Brooklyn, N. Y.
Braun-Knecht-Heimann Co. (Oil), 576-584 Mission, San Francisco, Cal.
Du Vivier Ernest H. (Imp.), 30 Church New York
Edelmann E. & Co. ("Break Not"), 341 E Ohio, Chicago, Ill.
Eimer & Amend, 205 3d av, New York
Fleischhauer F. & Son, Hollis, Long Island, N. Y.
Freas Francis L., Conshohocken, Pa.
General Scientific Equipment Co., Inc. (Storage Battery), North Phila., Pa.
Greiner Emil Co., 55 Fulton, New York
Griebel Instrument Co. (Oil, etc), Carbondale, Pa.
Heil Henry Chemical Co., St. Louis, Mo.
Hoehn R. Co., 31 Union sq., New York
Huddleston J. S. F., 132 Hanover, Boston, Mass.
Katz Wm. & Co., 1368 De Kalb av, Brooklyn, N. Y.
Kessling Edw., 96 Suydam, Brooklyn, N. Y.
Lenz Apparatus Co., 9 E 16th, New York
Luthy Hydrometer Co., 7 Woodward, Detroit, Mich.
Moeller A. E. Co. (Acid, Battery-Meter, Thermo & Gasoline), 261 Sumplex, Brooklyn, N. Y.
New York Thermometer Co., 36 E 23rd, New York. Factory, Brooklyn, N. Y.
*See adv index at end of book*
Palmer Co., 116 W 6th, Cincinnati, O.
Phila. Thermometer Co., 9th & Arch, Phila., Pa.
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
Scientific Instrument Co. Marquette bldg, Detroit, Mich.
Storage Battery Supply Co., 239 E 27th, New York
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Tagliabue G. (Est. of), 302 Pearl, New York
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Vuille Chas. A., Huntingdon, Pa.
Wagner Carl H., 1944 N Albany av, Chicago, Ill.
Wagner Glass Works (Also Barometers), 697 E 132nd, New York
Warren Products Co., 265 B'way, New York *See adv index at end of book*
Weinhagen & Hespe, 159 Leonard, New York
Weiskopf A., 16 S Clinton, Chicago, Ill.
Weiss Albert A. & Co., 572 Gates av, Brooklyn, N. Y.
Wilder-Pike Thermometer Co., Troy, N. Y.

## 6517— Hydrone

Roessler & Hasslacher Chemical Co. (For Producing Hydrogen), 709 6th av, New York

## 6518— Hydrophants

Huddleston J. S. F., 132 Hanover, Boston, Mass.

## 6519— Hydroquinene

Merck & Co., 45 Park pl, New York
National Aniline & Chemical Co. (Inc.), 21 Burling Slip, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J..

## 6520-1-2-3— Hygrometers

Davis Instrument Mfg .Co. (Pocket), 112 W Fayette, Baltimore, Md.
Draper Mfg. Co., 152 Front, New York
**FOXBORO COMPANY, THE**, ("Foxboro," Recording), Foxboro, Mass.
*See adv index at end of book*
Freas Francis L., Conshohocken, Pa.
Green Henry J. (Harr), 1191 Bedford av, Brooklyn, N. Y.
McCoy Joseph F. Co. ("Davis" Imported), 157 Chambers, New York
Philadelphia Thermometer Co. ("Masons," Wet & Dry Bulb), 9th & Arch, Phila., Pa.
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Whitall, Tatum Co., 410 Race, Phila., Pa.

## Hyposulphate of Soda

(See Sodium Hyposulphate)

## Hyposulphide of Lead

(See Lead Hyposulphide)

## Hyposulphite of Soda

(See Sodium Hyposulphite)

## 6524—Hypsometers or Thermo-Barometers

Green Henry J., 1191 Bedford av, Brooklyn, N. Y.

## 6525— Ice Tanks & Pans

**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*

**DOVER BOILER WORKS,** Sales Office 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505 Leetonia, O *See adv index at end of book*
Graver Corp., East Chicago, Ill.
*See adv index at end of book*
McNamara Bros. Co., Westport, Baltimore, Md.
Treadwell Construction Co., Midland, Pa.

## 6525a— *Ice Tools

**GIFFORD-WOOD CO.,** Hudson, N. Y.

## 6525b— Ichthyol

Merck & So., 45 Park pl, New York

## 6526—Icing Systems (Refrigerator Car)

**LINK-BELT CO,** 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Peters Machinery Co., 209 S La Salle, Chicago, Ill.

## 6527—Idlers (Belt Conveyor)

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Jeffrey Mfg Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO,** 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*

## 6528— Idlers (Grooved)

Dow Wire & Iron Works, Louisville, Ky.
Hill Clutch Co., W 65th, Cleveland, O.
**JEFFREY MFG. CO., 961 N Fourth Columbus, O.**
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago Ill, & Hunting Par kav & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland Chicago, Ill. *See adv index at end of book*

## 6529—Igniters (Delay Electric)

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*
**HERCULES POWDER CO.,** Wilmington, Del. *See adv index at end of book*

## 6530—Igniters (Gas & Gasoline Engine)

(Magnetos & Dynamos)

Aerothrust Engine Co., La Porte, Ind.
Akar Ignition Co. ("Akar"), 149 W Berkley, Phila., Pa.
Apollo Magneto Corp. ("Apollo"), Kingston, N. Y.
**Atwater-Kent Mfg. Works, 4937 Stenton av, Phila., Pa.**
Bosch Magneto Co. ("Bosch" Magnetos), 223 W 46th, New York
Christensen Engineering Co., 841 30th, Milwaukee, Wis.
Connecticut Telephone & Electric Co., Inc (Magnetos), Meriden, Conn.
Dayton Engng. Laboratories Co., Dayton, O.
Dayton Electrical Mfg. Co. ("Dayton"), Dayton, O.
Dayton Engineering Laboratories Co., Dayton, O.
Dow Mfg. Co., Braintree, Mass.
Eisemann Magneto Corp., 32 33rd, Brooklyn, N. Y.
Elkhart Mfg. Co. ("Elkhart"), Monroe, Mich.
Heinze Electric Co., Lowell, Mass.
Henricks Magneto & Electric Co. ("Comet" Low Tension), Indianapolis, Ind.
Hercules Electric Co. ("Wizard" & "Star" Spark Generators), Indianapolis, Ind.
Herz & Co. ("Herz" High Tension Magneto), 245 W 55th, New York
**K-W Ignition Co. ("Vim"), Chester av & E 30th, Cleveland, O.**
Kendrick, Davis Co. ("K. & D"), Lebanon, N. H.
Kokomo Electric Co. ("Kingston"), Kokomo, Ind.
Lauraine Magneto Co., Inc. ("Lauraine" Magnetos for Airplanes, Automobiles etc.), 181 13th, Long Island City, N. Y.
Marburg Bros. ("Mea" Magnetos), 90 West, New York
Motsinger Device Mfg. Co. ("Auto Sparker"), Lafayette, Ind.
Motor Compression Co., Newark, N. J.
**North East Electric Co., Rochester, N. Y**
Noxon C. Per Lee, Syracuse, N. Y.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
**Orswell Igniter Co., 95 Milk, Boston, Mass.**
Recording & Computing Machine Co ("Ohmer"), Dayton, O.
Remy Electric Co. ("Remy" Magnetos), Anderson, Ind.
Schug Elec. Mfg. Co. ("Schug" Ignition Storage Battery), 252 E Larned, Detroit, Mich.
Simms Magneto Co., East Orange, N. J.
Simplex Magneto Co. (Inc.), ("Simplex"), 1790 B'way, New York
**Sevison Electric Co., Elkhart, Ind.**
Sleeper Co. ("M. & S.," also Automobile Magneto), Fowler, Ind.
Splitdorf Electrical Co. (High & Low Tension Magnetos), 98 Warren, Newark N. J.
Standard Motor Construction Co., 180 Whiton, Jersey City, N. J.
Stecker Elec. & Machine Co., Dewey, Detroit, Mich.
Sumter Elec'l Co. ("Dixie," "Sumter," "Imp" and "Saton"), 1466 Michigan av, Chicago, Ill.
Thordarson Elec. Mfg. Co. ("Thordarson"), 507 S Jefferson, Chicago, Ill.
Titan Engng. Co., Union City, Ind.
Troy Auto Specialty Co., Troy, N. Y.
Wagner-Hoyt Elec. Co., 1902 B'way, New York
Webster Electric Co., Racine, Wis.
Wells R. C. Mfg. Co., Fond du Lac, Wis
**WESTINGHOUSE ELECTRIC & MFG CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Witherbee Igniter Co. ("Volta" & "Witherbee" Storage Battery Igniter), 1904 B'way, New York

## Ignition Apparatus

See Batteries; also Coils, Spark; also Plugs, Spark; also Igniters, Gas & Gasoline Engine.

## 6530a— Ignition Systems

Eisemann Magneto Corp., 32 33rd, Brooklyn, N. Y.
**PHILIPS-BRINTON COMPANY** ("Philbrin" for Automobiles, Aeroplanes Gas Engines & Marine Engines), Kennett Square, Pa.

## 6531—Illuminated Thresholds for Elevators

Elevator Supplies Co. ("Ricketts"), Hoboken, N. J.

## 6532— Illuminators (Oven)

Albrecht Francis J. (For Bakers' Ovens) 1146 Penn av, Pittsburgh, Pa.
**Beitner George L. ("Perfect"), Bridgeport, Conn.**
Dutchess Tool Co. ("Eureka," Gas or Electric, "Cincinnati," Oil), Fishkill-on-Hudson, N. Y.
Robson Chas. & Co. ("Robson"), 8th & Washington av, Phila., Pa.

## 6532a— Ilmenite

American Rutile Co., 622 F, N W, Washington, D. C.

## 6533—Impregnating (Vacuum Process)

**Devine J. P. Co., Buffalo, N. Y.**
Nelson I. R. (To Impregnate Magnet, Field & Transformer Coils, Armatures, Insulator Pins, etc), 85 Columbia, Newark, N. J.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 6534—*Impregnators (Fabric)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 6535—Incandescent Lamp Turndown Attachment

Wirt Co. ("Dim-A-Lite"), Germantown, Phila., Pa.

## Incinerators (Garbage)

See Garbage Disposal Plants

## 6536—Incinerators (Night Soil & Refuse)

McCall Incinerator Co., Memphis, Tenn.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Odorless Construction Co., 103 Park av, New York
Stearns E. C. & Co. ("Incinerite" Refuse), 450 Oneida, Syracuse, N. Y.
U. S. Incinerator Co., Buffalo, N. Y.

## 6537—Incinerators (Platinum)

Bishop J. & Co., Malvern, Pa.

## 6538— Incinerators (Rotary)

Manitowoc Engineering Works, Manitowoc, Wis.
Pusey & Jones Co., Wilmington, Del.

## 6538a— Incinerators (Toilet)

Harris Municipal Garbage Incinator & Steam Garbage Co. ("Harris"), Nashville, Tenn.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## Inclinators (Carboy)

See Rockers, Carboy

## 6539— Incline Planes

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**Milholland J. &. J. B. Co., 714 5th av, Pittsburgh, Pa.**

## 6540— Inclinometers

**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

## 6541—Increasers (Closet Spud)

Trenton Brass & Machine Co., Trenton, N. J.

## 6542—Incubators (Bacteriological)

Castle Wilmot Co., Rochester, N. Y.
Chicago Surgical & Elec. Co., 324 W Superior, Chicago, Ill.
Eimer & Amend ("Freas" Electric), 205 3rd av, New York
**Gray Peter & Sons, Inc., 286 3d, East Cambridge, Mass.**

## 6543—Incubators & Brooders

Banta & Bender Company, Ligonier, Ind.
Belle City Incubator Co. ("Belle City"), Racine, Wis.
Bennett J. A. & Son ("Champion"), Gouverneur, N. Y.
Buckeye Incubator Co. ("Bantam," "Buckeye"), Springfield, O.
Buffalo Incubator Co., 543 Seneca, Buffalo, N. Y.
Cabinet Mfg. Co., Quincy, Ill.
Candee Incubator & Brooder Co. ("Candee" Hot Air & Hot Water), Eastwood, N. Y.
Croley Geo. H. Co., 8th & Townsend, San Francisco, Cal.
Cycle Hatcher Co., Elmira, N. Y.
Cyphers Incubator Co., 14 W Bennett, Buffalo, N. Y.
Des Moines Incubator Co. ("Crescent," "Eclipse," "Successful"), Des Moines, Ia.
Ertel Geo. Co. ("Hatching Wonder," Improved Victor," "Poor Man's Friend"), Quincy, Ill.
Essex Robt. Incubator Co., Buffalo, N. Y.
Fremont Mfg. Co. ("Sure Hatch"), Fremont, Neb.
Gem Mfg. Co., Greenville, O.
Hall Mammoth Incubator Co., Little Falls, N. Y.

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INCUBATORS & BROODERS—continued

Hodgson Ernest F. Co. ("Peep-o-Day"), 116 Washington, Boston, Mass.
Humphreys & Sons, Joliet, Ill.
Indianapolis Corrugating Co. "Simplicity" Incubators, "None-Such" Brooders), Indianapolis, Ind.
Ironclad Incubator Co. ("Ironclad"), Racine, Wis.
Johnson M. M. Company, Clay Centre, Neb.
Jones, Post & Co. ("Great Western"), Racine, Wis.
Klondike Incubator Co. ("Klondike"), Des Moines, Ia.
Leahy Mfg. Co. ("Favorite"), Higginsville, Mo.
Manson-Campbell & Sons Co. (Chatham"), 45 Federal, Detroit, Mich.
Merryman S. Howard, Towson, Md.
Miller J. W. Co., Rockford, Ill.
Milwaukee Corrugating Co. ("Milcoe" All Metal Brooders), Milwaukee, Wis.
Model Incubator Co., Buffalo, N. Y.
National Incubator Co., Racine, Wis.
Neubert R. F. Co., Mankato, Minn.
Northwestern Stamping Co. (Brooders), Burlington, Ia.
Petaluma Electric Incubator Co., Petaluma, Cal.
Phillips Oliver P., Amo, Ind.
Prairie State Incubator Co., Homer City, Pa.
Progressive Incubator Co. ("Racine"), Racine, Wis.
Queen Incubator Co., Lincoln, Neb.
Rayo Incubator Co. ("Rayo"), Omaha, Neb.
Reeves Mfg. Co., Dover, O.
Reliable Incubator & Brooder Co., Quincy, Ill.
Sheer H. M. Co. ("Peerless"), Quincy, Ill.
Spokane Incubator Co. ("Spokane"), Spokane, Wash.
Springfield Incubator Co. (All Metal, Automatic), Springfield, O.
Stahl Geo. H. ("Excelsior," Wooden Hen), Quincy, Ill.
Sure Hatch Incubator Co. ("Sure Hatch"), Fremont, Neb.
Uhl M. & Co., New Washington, O.
Watson Mfg. Co., Lancaster, Pa.
Weimer Abe, Ligonier, Ind.
Wisconsin Incubator Co., Racine, Wis.

## 6544— Indexes (Book)

Amberg File & Index Co., 1400 Fulton, Chicago, Ill.
Burr Index Co., Hartford, Conn.
**GOES LITHOGRAPHING CO.** (Corp. Books), 42 W 61st, Chicago, Ill.

## 6545— Indian Clubs

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
**Hellenberg J. B. Co., Coldwater, Mich.**
Roneo Co., 117 Leonard, New York
**Saginaw Wood Products Co., Gaylord, Mich.**
Somer Jno. Faucet Co., 30 Morris av, Newark, N. J.

## 6546—*Indicator Attachments

**LUNKENHEIMER CO.,** Executive Offices and Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 6547—*Indicators (Ammonia)

Crosby Steam Gage & Valve Co. ("Crisby"), 40 Central, Boston, Mass.
*See adv index at end of book*

## 6548—Indicators (Carbon Dioxide)

Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
Uehling Instrument Co., 71 B'way, New York

## 6549— Indicators (Centre)

Alert Tool Co., 237 N 6th, Phila., Pa.

## 6550—Indicators (Combustion)

American Safety Lamp & Mine Supply Co ("Westover"), Scranton, Pa.
Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
Uehling Instrument Co., 71 Broadway, New York

## 6551— Indicators (Course)

**Hand John & Sons Co. ("Faulkner-Ellis"),** 208 Chestnut, Phila., Pa.

## 6552— Indicators (Draft)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
Uehling Instrument Co., 71 Broadway, New York

## 6553—Indicators (Electric Speed)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Automobile Engine), East Pittsburgh, Pa. *See adv index at end of book*
**Weston Electrical Instrument Co., Waverly Park, Newark, N. J.**

## 6554— Indicators (Elevator)

Elevator Supplies Co. (Mechanical), Hoboken, N. J.
Gorham Co., Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
**Knickerbocker Electric Co. (Mechanical),** 116 West, New York
**Sommerville Elevator Co. (Fluid), 156 W 30th, New York**
**TYLER W. S. CO.,** Cleveland, O.
*See adv index at end of book*

## 6555—Indicators (Engine & Efficiency)

Bacharach Industrial Instrument Co., ("Maihak"), 14 Wood, Pittsburgh, Pa.

## 6555a—Indicators for Diesel Engines

**CROSBY STEAM GAGE & VALVE CO.,** ("Crosby"), 40 Central, Boston, Masss.

## 6556—Indicators (Fuel Level)

Akron-Selle Co., Akron, O.
Apex Electric Mfg. Co., 1410 W 59th, Chicago, Ill.
Boston Auto Gage Co. ("Triumph"), 8 Waltham, Boston, Mass.
Janney, Steinmetz & Co., 1421 Chestnut, Phila., Pa.
Moto-Meter Co. (Inc.), 15 Wilbur av, L. I. City, N. Y.
**NATIONAL GAUGE & EQUIPMENT CO.** ("National"), La Crosse, Wis.
*See adv index at end of book*
Retlaw Mfg. Co., 812 Woodbridge, Detroit, Mich.
Ritz-Woller, Oliver Co. ("Jr. Gasometer"), 166 W Lake, Chicago, Ill.
Rochester Mfg. Co. ("Mercury"), 891 Halstead, Rochester, N. Y.
Up-to-Date Advertising Co. (Gasoline Gauges), Canisteo, N. Y.

## 6557— Indicators (Gas)

American Safety Lamp & Mine Supply Co. ("Beard-Mackie"), Scranton, Pa.
Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
Uehling Instrument Co., 71 B'way, New York

## 6558—Indicators (Gas Engine)

**American Steam Gauge & Valve Mfg. Co.** ("American Thompson Improved") 208 Camden, Boston, Mass.
Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
**CROSBY STEAM GAGE & VALVE CO.,** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Meriam Co. ("Meriam"), Meriam bldg, Cleveland, O.
**Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.**
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
**Trill Indicator Co. ("Triumph"), Corry, Pa.**

## 6559—Indicators (Gas Leak)

Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
Taylor Instrument Co.'s, Rochester, N. Y.

## 6560— Indicators (Helm)

Cory Chas. & Son, 290 Hudson, New York
Electro-Dynamic Co., Bayonne, N. J.
Hyde Windlass Co., Bath, Me.
McNab Co. ("McNab"), Bridgeport, Conn. *See adv index at end of book*
**Marine Electrical Co., Lorain, O.**

## 6561—*Indicators (Hydraulic)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & So. 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 6562— Indicators (Lathe)

**Brown & Sharpe Mfg. Co., Providence, R. I.**
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney Dial"), Waltham, Mass.

## 6563—Indicators (Lightning)

**Bajohr Carl Lightning Conductor Co., 4055 Keokuk, St. Louis, Mo.**

## 6564—Indicators (Locomotive Train Number)

**Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.**

## 6565—Indicators (Log Setting)

**Filer & Stowell Co., Milwaukee, Wis.**
**Lane Mfg. Co., Montpelier, Vt.**

## Indicators (Low Water)

See Alarms, Low Water

## 6566— Indicators (Machine)

**Norton Grinding Co. (For Testing Truth & Alignments of Machine Parts), Worcester, Mass.**
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney Dial"), Waltham, Mass.

## 6567— Indicators (Marine)

**American Speed Indicator Co. ("Kenny"), New London, Conn.**
**Cummings Ship Instrument Works ("Cummings" direction, also speed), 110 High, Boston, Mass.**
**McNAB CO.** ("McNab" Direction & Revolution; also "McNab" Steering), Bridgeport, Conn.
*See adv index at end of book*
Star Brass Mfg. Co. ("Star" Speed), 53 Oliver, Boston, Mass.

## 6568—Indicators (Phase Rotation)

**Minerallac Electric Co., 1045 Washington bl, Chicago, Ill.**

## 6569— Indicators (Polarity)

**Dale Lighting Fixture Co., 107 W 13th, New York**
**Manhattan Electrical Supply Co., 17 Park pl, New York**
*See adv index at end of book*
Steele Glass Co., 622 Locust, Phila., Pa.

## 6570— Indicators (Post)

**Glamorgan Pipe & Fdry Co., Lynchburg, Va.**

## 6571—Indicators (Railroad Speed)

**Stewart-Warner Speedometer Corp.** ("Warner," "Stewart"), 1826 Diversey parkway, Chicago, Ill.

## 6572—*Indicators (Reducing Motion)

Nugent W. W. & Co., 146 Superior, Chicago, Ill. *See adv index at end of book*

## 6573-4—Indicators (Revolution Recording)

Uehling Instrument Co., 71 B'way, New York

## 6575—Indicators (Sight Flow)

**LUNKENHEIMER CO.** ("Independent" & "Unit"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Richardson-Phenix Co. ("R. P.") to Indicate Oil, Gas or Water Flow in Pipe Lines), 131 2nd, Milwaukee, Wis.

## 6576— Indicators (Smoke)

Boiler Room Improvement Co. ("Eclipse"), South Dearborn, Chicago, Ill.
Scientific Instrument & Elect. Mach. Co., Mechanicsburgh, Pa.
**Simonds G. L. & Co. ("Eclipse"), 230 S La Salle, Chicago, Ill.**
Vulcan Fuel Economy Co., 828-B Transportation bldg, Chicago, Ill.

## 6577—Indicators (Specific Gravity)

Braun-Knecht-Heimann Co. (Cement, Gas), 576-584 Mission, San Francisco, Cal.

## 6578— Indicators (Speed)

See also Tachometers

**American Speed Indicator Co. ("Kenny" Marne), New London, Conn.**
**Bowsher N. P. Co. ("Bowsher" Speed or Motion, for Machinery, etc.), South Bend, Ind.**
**Brown & Sharpe Mfg. Co., Providence, R. I.**
**Cleveland Speed Indicator Co. (Auto, etc), W 112th & Locust, Cleveland, O.**
**Cummings Ship Instrument Works ("Cummings" Marine), 110 High, Boston, Mass.**
**Disston Henry & Sons (Inc.), Tacony, Philadelphia, Pa.**
**Durant Mfg. Co. ("The Producimeter"), 655 Buffum, Milwaukee, Wis.**
**Emerson, Smith & Co., Beaver Falls, Pa.**
**Goodell Pratt Co., Greenfield, Mass.**
**Greene, Tweed & Co. ("Empire," "Weiss"), 109 Duane, New York**
**Hart R. A., Battle Creek, Mich.**
**Lombard Governor Co. (Long Distance), Ashland, Mass.**
McDonnell Odomoter Co., 3501-3 S Kedzie av, Chicago, Ill.
Packer Thos. ("L. B. Taylor's"), Union City, Conn.
Precision Instrument Co. (Air), 21 Halsey, Newark, N. J.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO., Berry & So 5th, Brooklyn, N. Y.**
*See adv index at end of book*
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*
**Stewart-Warner Speedometer Corp.** ("Stewart," "Warner"), 1826 Diversey parkway, Chicago, Ill.
**Tanit Co. ("Taylor"), Stroudsburg, Pa.**
Uehling Instrument Co., 71 B'way, New York
Veeder Mfg. Co. ("Veeder" Speed Counter, "Veeder" Lochemeter), Hartford, Conn.
**Woodman R. Mfg. & Supply Co. ("Woodman & Hudson's"), 82 Sudbury, Boston, Mass.**

## 6579—Indicators (Steam Engine)

**Ashcroft Mfg. Co. ("Tabor"), 119 W 40th, New York**
Bacharach Industrial Instrument Co. ("Maihak"), 14 Wood, Pittsburgh, Pa.
**CROSBY STEAM GAGE & VALVE CO.,** "Crosby" Deisel Oil Engine), 40 Central, Boston, Mass.
*See adv index at end of book*
Jost's Edmund Sons, 58 1st, Newark, N. J.
**Robertson Jas. L. & Son ("Robertson," "Thompson"), 78 Murray, New York**
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
**Thompson Richard & Co. ("Thompson's 20th Century" "Bachelder," Adjustable), 126 Liberty, New York**
Trill Indicator Co. ("Trill," "Triumph," "Perfection"), Corry, Pa.
Uehling Instrument Co., 71 B'way, New York

## 6580—*Indicators (Surface Speed)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.,** Berry & So 5th Brooklyn, N. Y.
*See adv index at end of book*

## 6581—Indicators (Switch & Tower)

**Federal Signal Co. Albany, N. Y.**
United Electric Apparatus Co., 1529 Columbus av, Boston, Mass.

## 6582—*Indicators (Synchronism)

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*

## 6583— Indicators (Tank)

See also Alarms High & Low Water
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
**Flint & Walling Mfg. Co., Kendallville, Ind.**
**Quimby Engineering Co. ("U. S. Standard" Mercury), 450 N 10th, Phila., Pa.**
Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.

## 6584— Indicators (Test)

**AMES B. C. CO.** ("Ames" dial), North Station, Waltham, Mass.
*See adv index at end of book*
Boulet Jos. H. ("Boulet's"), Universal Micrometer), Sebago Lake, Me.
**Brown & Sharpe Mfg. Co. (Dial Lathe, etc.), Providence, R. I.**
Johnson & Miller, 42 Murray, New York
**Koch Henry, Nyack, N. Y.**
Lowe Henry A. ("Last Word"), 1374 E 66th, Cleveland, O.
**Reisner W. H. Mfg Co. (Dial Lens), Hagerstown, Md.**
**Robinson C. E. Co., Orange, Mass.**
**STARRETT L. S. CO. (THE),** ("Universal"), Athol, Mass.
*See adv index at end of book*
Waltham Micrometer Dial Gauge Co. ("Randall & Stickney" Dial Lathe, etc.), Waltham, Mass.

## 6585—Indicators (Train Arrival & Departure)

**National Indicator Co., 852 Vernon av, Long Island City**

## 6586-7— Indicators (Valve)

**Walworth Mfg. Co. (The Half), Boston, Mass.**

## Indicators (Water)

See Alarms, Low Water, for Boilers

## 6588— Indigo

See also Aniline Colors, Dyes & Dyestuffs
Aniline Dye & Chemical Co., Inc. (Synthetic), 134 Cedar, New York
**Arnold Hoffman & Co. (Imp.), 55 Canal, Providence, R. I.**
Dow Chemical Co. (Paste & Powdered) (Synthetic), Midland, Mich.
**Holliday Read & Sons, Ltd., 160 Franklin, New York**
**Kalle Color & Chemical Co., 530 Canal, New York**
**Klipstein A. & Co., 644 Greenwich, New York**
National Aniline & Chemical Co., Inc., 21 Burling Slip New York
Ransom L. E. Co. (Imp.), 279 Pearl, New York
**United Indigo & Chemical Co. (Ltd.), 176 Federal, Boston, Mass.**

## 6589— Indigotine

Berlin Aniline Works (Imp.), 213 Water, New York

## 6590— Indurated Fibre Ware

Fibre Corporation ("Fibrotta"), Lockport, N. Y.

## 6590a— Industrial (Enamel)

Ceresit Waterproofing Co. ("Luxstar White"), 110 S Dearborn, Chicago, Ill.
*See adv index at end of book*

## 6590b—*Industrial Locomotives

See also Locomotives, Industrial & Mine
Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 6590c— *Industrial Transportation Systems

Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 6590d—*Industrial Trucks (Storage Battery)

Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 6590e— Ingot Heating

**ROCKWELL W. S. CO.,** 50 Church, New York, *See adv index at end of book*

## 6590f—Ingots (Alloy & Composition)

Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
*See adv index at end of book*
Harris Benj. & Co., 21st & Loomis, Chicago, Ill.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Newark Bay Smelting & Refining Co., Plumpt Lane, Newark, N. J.

## 6591— Ingots (Aluminum)

Ajax Metal Co., 46 Richmond, Phila., Pa.
Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
American Alloys Co., American bldg, Baltimore, Md.
Birkenstein S. & Sons, 377 W Ontario, Chicago, Ill.
British Aluminum Co. Ltd., 165 B'way New York
Coates, Bennett & Reidenbach, Rochester, N. Y.
Eagle Smelting & Refining Works, 233 B'way, New York
Earle E. P., 165 B'way, New York
Electric Smelting & Alumnium Co. (Alumnium), Lockport, N. Y.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Humphreys E. C. Co. (⅜" Rod), 629 Penobscot, Detroit, Mich.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Janney, Steinmetz & Co., 1421 Chestnut, Phila., Pa.
Jobbins W. F., Aurora, Ill.
Kemp W. H. Co., 165 Spring, New York
McInnes Charles E. & Co. Mariner & Merchants bldg, Phila., Pa.
Metal Products Co. (Inc.), 100 So. Jefferson, Chicago, Ill.
*See adv index at end of book*

**MICHIGAN SMELTING & REFINING CO.**
1695 Jos. Campau, Detroit, Mich.

**MORE-JONES BRASS & METAL CO.** (Pure & Casting), B'way & Dock, St. Louis, Mo. *See adv index at end of book*
Nassau Smelting & Refining Works, 603 W 29th, New York
**NATIONAL SMELTING CO.,** Grant av, Cleveland, O.
*See adv index at end of book*
Richards & Company, Inc., 192 Beverly, Boston, Mass.
Seligman Arthur (Imp.), 165 B'way, New York
Trotter Nathan & Co., 36 N Front, Phila., Pa.
United Smelting & Aluminum Co. Inc., 183-189 Commerce, New Haven, Conn.
U. S. Reduction Co., East Chicago, Ind.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Vernon Metal & Produce Co., 25 Beaver, New York
Weil Louis, 32 B'way, New York
Wenger Paul & Co., 56 Liberty, New York
Winter Son & Co., 64 Wall, New York

## 6592—Ingots (Brass & Copper)

Ajax Metal Co. ("Ajax" Red & Yellow Brass), 46 Richmond, Phila., Pa.
**AMALGAMATED METALS SELLING CO., LTD.,** 42 Broadway, New York
American Alloys Co., American bldg, Baltimore, Md.
American Smelting & Refining Co. (Copper), 120 B'way, New York
Balbach Smelting & Refining Co. ("N. B. C," and "B. B." Brand Copper), 580 Market, Newark, N. J.
Bethlehem Steel Co., So Bethlehem, Pa.
Birkenstein S. & Sons (Copper Only), 377 W Ontario, Chicago, Ill.
Brady Brass Co., 170 14th, Jersey City, N. J.
Breuer C. R. Smelting & Refining Co., Beekman & Hople, Cincinnati, O.
Chase Metal Works, Waterbury, Conn.
Chase Rolling Mill Co., Waterbury, Conn.
Clendenin Bros. (Copper), Central av & Fawn, Baltimore, Md.
Coates, Bennett & Reidenbach, Rochester, N. Y.
Crown Smelting Co., Chester, Pa.
**DAMASCUS BRONZE CO.** ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Duquesne Reduction Co., Farmers' Bank bldg, Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 B'way, New York
Earle E. P. (Copper), 165 B'way, New York
Eastern Brass & Ingot Corp. of N. Y. (Brass Briquets), Waterbury, Conn.
Edna Brass Mfg. Co. (Brass Only), Cincinnati, O.
Fidelity Metal Co., 192 Diamond, Brooklyn, N. Y.
Fumkawa & Co., Ltd., (Imp. Copper), 120 B'way, New York
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Harris Benj. & Co., 21st & Loomis, Chicago, Ill.
Hayman Mich'l & Co. (Copper), Buffalo, N. Y.
Hendricks Bros. (Copper), 49 Cliff, New York
Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.
Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.
Honkamp Bros., 3951 Wentworth av, Chicago, Ill.
Humphreys E. C. Co. (Red & Yellow Brass), 624 Penobscot, Detroit, Mich.
Hurley & Wainwright (Selling Agents), 81 Fulton, New York
Illinois Smelting & Refining Co. (Brass), 410 N Peoria, Chicago, Ill.
*See adv index at end of book*
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
Kramer H. & Co., 1324 W 21st pl., Chicago, Ill.
**LEAVITT C. W. & CO.** (Copper Only), 34 Church, New York
*See adv index at end of book*
**LUMEN BEARING CO.,** 200 Lathrop, Buffalo, N. Y. *See adv index at end of book*
McLaughlin's Sons Co., 230 N 12th, B'klyn, N. Y.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Metal Block Corp. (Brass Briquets), 1230 N Kostner, Chicago, Ill.
Metal Products Co. (Inc.), 100 So. Jefferson, Chicago, Ill.
*See adv index at end of book*

**MICHIGAN SMELTING & REFINING CO.**
1695 Jos. Campau, Detroit, Mich.

**MORE-JONES BRASS & METAL CO.** (Brass), B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Nassau Smelting & Refining Works, 603 W 29th, New York
National India Rubber Co., Bristol, R. I.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Ohio Metal Co., 1137 No 4th, Columbus, O.
Phelps Dodge Corp. (Copper), 99 John, New York
Pittsburgh Smelting & Refining Co., Elizabeth & B. & O. R. R., Pittsburgh, Pa.
Reeves Paul S. & Co. (Red, White & Yellow Brass & Pure Copper, etc), 1415 Catharine, Phila., Pa.
Richards & Company, Inc. (Red & Yellow Brass), 192 Beverly, Boston, Mass.
Roessing Bronze Co., Etna, Pa.
Selby Smelting Works (Copper), 201 1st, San Francisco, Cal.
Sofranscy, H. Co., Allentown, Pa.
Tottenville Copper Co. (O. C. T.), Bedell, Tottenville, N. Y.
United American Metals Corp. (Syracuse Smelting Works Subsidiary) ("Stanley Process), 192 Diamond, Brooklyn, N. Y.
United Metals Selling Co., 42 B'way, New York
United Smelting & Alumnium Co. Inc (Jobbers), 183-189 Commerce, New Haven, Conn.
United States Reduction Co. (Red & Yellow, Brass Copper, Phospher Copper etc), East Chicago, Ind.
Vanadium Metals Co. (Brass Only), Vanadium bldg, Pittsburgh, Pa.
Vernon Metal & Produce Co., 25 Beaver, New York
Vogelstein L. & Co., 42 B'way, New York
Vulcan Louisville Smelting Co. ("Vulcan"), 208 S La Salle, Chicago, Ill.
Whipple & Choate (Red & Yellow Brass, etc), Bridgeport, Conn.
White & Bros. (Inc.) (Red & Yellow Brass, etc.), Hedley & Del river, Phila., Pa.
Woodfall Bros., 1105 Fairmount av Phila., Pa.
Youngs Geo. S. ("Y"), Bridgeport, Conn.

## 6593— Ingots (Bronze)

Ajax Metal Co. ("Ajax" Acid, Hydraulic, etc), 46 Richmond, Phila., Pa.
American Alloys Co., American bldg, Baltimore, Md.
Coates Bennett & Reidenbach, Rochester, N. Y.
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Eagle Smelting & Refining Works, 233 Broadway, New York
Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
Edna Brass Mfg. Co., Cincinnati, O.
Genesee Metals Co., Rochester, N. Y.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
**MORE-JONES BRASS & METAL CO.,** B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
National Fulton Brass Mfg. Co. ("Monarch"), 28 Brush, Detroit, Mich.
Nassau Smelting & Refining Works, 607 W 29th, New York
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
Roessing Bronze Co., Etna, Pa.
United Smelting & Aluminum Co. (Inc.), 183-189 Comerce, New Haven, Conn.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Youngs Geo. S. ("Y."), Bridgeport, Conn.

## Ingots (Copper)

See Ingots, Brass & Copper

## Ingots (Iron)

See Pig Iron

## Ingots (Lead)

See Lead, Pig

## 6594—Ingots (Manganese Bronze)

Ajax Metal Co. ("Ajax"), 46 Richmond, Phila., Pa.
**AMALGAMATED METALS SELLING CO., LTD.,** 42 Broadway, New York
American Alloys Co., American bldg, Baltimore, Md.
**AMERICAN MANGANESE BRONZE CO.** ("S. M. B." "A. M. B."), 3501 Rhawn, Phila., Pa.
Atkinson Co., Rochester, N. Y.
Cramp Wm. & Sons Ship & Engine Building Co. ("Parsons"), Beach & Ball, Phila., Pa.
Eagle Smelting & Refining Works, 233 Broadway, New York
Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
Electric Smelting & Aluminum Co., Lockport, N. Y.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
**LUMEN BEARING CO.,** 200 Lathrop, Buffalo, N. Y.
*See adv index at end of book*
**MORE-JONES BRASS & METAL CO.,** B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Nassau Smelting & Refining Works, 607 W 29th, New York
North American Smelting Co., 9th & Thompson, Phila., Pa.
Reeves Paul S. & Co. ("Tubal"), 1415 Catharine, Phila., Pa.
Whipple & Choate, Bridgeport, Conn.

## 6595— Ingots (Nickel)

**INTERNATIONAL NICKEL CO.,** 43 Exchange pl, New York
*See adv index at end of book*
Nassau Smelting & Refining Works, 607 W 29th, New York
United States Nickel Co., New Brunswick, N. J.

## 6596—Ingots (Phosphor Bronze)

**American Alloys Co.**, American bldg, Baltimore, Md.
Atkinson Co., Rochester, N. Y.
Crown Smelting Co., Chester, Pa.
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Eagle Smelting & Refining Works, 233 B'way, New York
Edna Brass Mfg. Co., Cincinnati, O.
Electric Smelting & Aluminum Co., Lockport, N. Y.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
**LUMEN BEARING CO.**, 200 Lathrop, Buffalo, N. Y.
*See adv index at end of book*

**MICHIGAN SMELTING & REFINING CO.**

1695 Jos. Campau, Detroit, Mich.

**MORE-JONES BRASS & METAL CO.**, B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Nassau Smelting & Refining Works, 607 W 29th, New York
North American Smelting Co., 9th & Thompson, Phila., Pa.
**PHOSPHOR BRONZE SMELTING CO.**, 2200 Washington av, Phila., Pa.
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
Whipple & Choate, Bridgeport, Conn.
**WILLIAMS CO. (INC.)**, 901-937 Pennsylvania av, N S, Pittsburgh, Pa.
*See adv index at end of book*

## 6597— Ingots (Steel)

See also Billets, Blooms & Slabs, Steel

Alloy Steel Products Corp., 19 W 44th, New York *See adv index at end of book*
*See adv index at end of book*
American Bridge Co. (Open Hearth), 30 Church, New York
American Tube & Stamping Co. (Open Hearth), Bridgeport, Conn.
Andrews Steel Co. (Basic Open Hearth), Newport, Ky.
Anniston Steel Co. (Alloy & High Carbon Elect), Anniston, Ala.
Ashland Steel Co. (Bessemer), Ashland, Ky.
**Atlantic Steel Co., Atlanta, Ga.**
Bethlehem Steel Co. (Open Hearth), South Bethlehem, Pa.
Braddock Mfg. Co. (Acid Open Hearth), Braddock, Pa.
Brier Hill Steel Co., Youngstown, O.
Buchanan Electric Steel Co. (Electric), Buchanan, Mich.
Cambria Steel Co. (Bessemer Open Hearth), Widener bldg, Phila., Pa.
Carbon Steel Co. (Acid & Basic Open Hearth), ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth & Bessemer), Carnegie bldg, Pittsburgh, Pa.
Central Iron & Steel Co. (Open Hearth), Harrisburg, Pa.
Chrome Steel Works (Chrome Steel), Chrome, N. J.
Colorado Fuel & Iron Co. (Bessemer & Open Hearth), Denver, Col.
Crucible Steel Co. of America (Crucible & Open Hearth), Oliver bldg, Pittsburgh, Pa.
Edgewater Steel Co., Edgewater Station & A. V. R. R., Pittsburgh, Pa.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Farist Steel Co. (Crucible), Bridgeport, Conn.
Frasse Peter A. & Co., Inc., 417 Canal, New York
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
General Steel Co., ft 40th, Milwaukee, Wis.
Gulf States Steel Co. (Basic Open Hearth), Birmingham, Ala.
Hammond Steel Co., Inc., Syracuse, N. Y.
Harrisburg Pipe & Pipe Bending Co. (Open Hearth), Herr nr 10th, Harrisburg Pa.
Hess Steel Corp. (Electric), Loney's la & Biddle, Baltimore, Md.
Illinois Steel Co. (Forging Ingots), 208 S La Salle, Chicago, Ill
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**JESSON STEEL CO.** (Crucible), Washington, Pa.
Judson Mfg. Co. (Open hearth steel ingots for forging of crank shafts and for shipbuilding purposes), 819 Folsom, San Francisco, Cal.
Lackawanna Steel Co. (Bessemer & Open Hearth), Buffalo, N. Y.
Laclede Steel Co. (Basic Open Hearth), Arcade bldg, St. Louis, Mo.
Lukens Steel Co. (Open Hearth), Coatesville, Pa.
McConway & Torley Co. (Acid Open Hearth), 48th & A. V. R. R., Pittsburgh, Pa.
Mesta Machine Co., Pittsburgh, Pa.
*See adv index at end of book*

**INGOTS**
**Up to the Largest Sizes**
**MESTA MACHINE COMPANY**
**Pittsburgh, Pa., U. S. A.**

Penn Seaboard Steel Corp. (Cast), Franklin blk, Phila, Pa.
*See adv. index at end of book.*
Phoenix Iron Co. (Acid & Basic Open Hearth), 22 S. 15th, Phila., Pa.
Pittsburgh Steel Foundry (Open Hearth Cast Up to 70,000 lbs.), House bldg, Pittsburgh, Pa. Works: Glassport.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section.*
Tennessee Coal, Iron & R. R. Co. (Open Hearth, Rail, etc), Birmingham, Ala.
Tremont Nail Co. (Soft & Hard Steel), West Wareham, Mass.
West Leechburg Steel Co. (Basic Open Hearth), Farmers Bank bldg, Pittsburgh, Pa.
Whitaker, Glessner Co. (Basic Open Hearth, also "Portsmouth Iron" & "Ohio Metal"), Wheeling, W. Va.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 6598— Ingots (White Metal)

American Alloys Co., American bldg, Baltimore, Md.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.

**MICHIGAN SMELTING & REFINING CO.**

1695 Jos. Campau, Detroit, Mich.

Seymour Mfg. Co., Seymour, Conn.

## 6599-600 Ingots (Zinc)

**AMALGAMATED METALS SELLING CO., LTD.**, 42 Broadway, New York
American Smelting & Refining Co., 120 B'way, New York
American Zinc, Lead & Smelting Co., 120 B'way, New York
Detroit White Metal Co., Inc., 628 W Jefferson av, Detroit, Mich.
Eagle Smelting & Refining Works, 233 B'way, New York
Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.
Nassau Smelting & Refining Works, 607 W 29th, New York
Penna. Smelting Co., 1st National Bank bldg., Pittsburgh, Pa.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill. *See adv index at end of book*
Sofranscy, H. Co., Allentown, Pa.
Vogelstein L. Co., 42 B'way, New York

## Injectors (Boiler)

See Injectors & Ejectors, Boiler

## 6601—Injectors (Locomotive)

Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill
*For branch offices see Alphabetical Section*
Davoren W. T. Brass Finishing Wks. ("Davoren-Denver" Standard), 1241 12th, Denver, Colo.
Edna Brass Mfg. Co. ("Edna"), Cincinnati, O.
Griffiths Jas. A. ("Eclipse"), 1315 Buttonwood, Phila, Pa.
Hancock Inspirator Co. ("Hancock" Inspirators, for Locomotive, Marine & Stationary Purposes), 119 W 40th, New York
Hayden & Derby Mfg. Co. ("Metropolitan," Stationary & Marine, etc.), 119 W 40th, New York
Nathan Mfg. Co. ("Simplex," "Nathan," "Monitor"), 416 E 106th, New York
Ohio Injector Co. ("Garfield," "Chicago," "Ohio"), Wadsworth, O.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
United Injector Co., 119 W 40th, New York

## 6602-3-4—Injectors & Ejectors (Boiler)

American Injector Co. ("U. S."), 173 14th av, Detroit, Mich.
Belfield H. Co. (Ejectors), 435 N Broad, Phila., Pa.
Blakeslee Mfg. Co. (Jet Pumps), Du Quoin, Ill.
Champion Hardware Co. ("National" Automatic), Geneva, O.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill
*For branch offices see Alphabetical Section*
Desmond-Stephan Mfg. Co. ("Desmond"), Urbana, O.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Douds Frank C. & Co. ("Douds," Ejectors, Jet Pumps, Syphons), New Castle, Pa.
Eynon-Evans Mfg. Co. ("Niagara" & "Eynon-Korting"), N 15th & Clearfield, Phila., Pa.
**GODFREY-KEELER CO.**, 70 Warren, New York *See adv index at end of book*
Griffiths Jas. A. ("Keystone," "Champion," "Eclipse"), 1315 Buttonwood, Phila., Pa.
Hancock Inspirator Co. ("Hancock" Inspirators & "Hancock" Ejectors & Drivewell Ejectors), 119 W 40th, New York
Hayden & Derby Mfg. Co. ("Metropolitan," Injectors, "H-D" Ejectors) 119 W 40th, New York
Kincaid Bros. ("Eureka"), 211 Water, Pittsburgh, Pa.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
Nason Mfg. Co., 71 Fulton, New York
Nathan Mfg. Co. ("Nathan," "Gresham," "Monitor," "Simplex," "Friedmann"), 416 E 106th, New York
Ohio Injector Co. ("Garfield" Double Jet, "Chicago" Automatic), Wadsworth, O.
Pancoast Henry B. Co. ("Model"), 950 N Front, Phila., Pa.
Penberthy Injector Co. ("Penberthy," "Automatic," "Auto-Positive" & "XL-96"), 346 Holden av, Detroit, Mich.
**POWELL WM. CO.** (Stationary & Marine Injectors, only Automatic, Auto-Positive & "X-I-96"), Cincinnati, O.
*See adv index at end of book*
Randle Machinery Co. ("Leader"), C. H. & D. Ry. Powers, Cincinnati, O.
Redlich Mfg. Co., 637-647 W Oak st, Chicago, Ill.
Rue Mfg. Co. ("Little Giant," "Unique" & "Fixed Nozzle"), 228 Cherry, Phila., Pa.
Schutte & Koerting Co. ("Koerting" & "Universal"), 1251 N 12th, Phila., Pa.
Sellers Wm. & Co. (Locomotive & Boiler), 1600 Hamilton, Phila., Pa.
Sherwood Mfg. Co. ("Buffalo," "Sherwood," "Eagle"), 1709 Elmwood, Buffalo, N. Y.
Stephens, Roe Mfg. Co. ("Michigan," "Roe," "Detra"), 1097 McKinley, Detroit, Mich.
Tranter Mfg. Co. ("Colls"), 105 Water, Pittsburgh, Pa.
United Brass & Aluminum Mfg. Co., Port Huron, Mich.
United Injector Co., 119 W 40th, New York

INJECTORS & EJECTORS (BOILER)—continued

**Watson N. A. ("Excelsior"), Erie, Pa.**
**Watson & McDaniel Co. ("McDaniel"), Ejectors), 146 N 7th, Phila., Pa.**

## Ink Grinding Machinery

See Mills, Ink Grinding

## Ink Wells

See Inkstands & Wells

## 6605— Inks (Canners')

**Consolidated Stamp Mfg. Co., 87 Maiden la, New York**
**Swisher R. D. Mfg. Co. ("Is Boiler Proof"), 413 S Clinton, Chicago, Ill.**

## 6606— Inks (Drafting)

Carter's Ink Co., E Cambridge, Boston, Mass.
**David's Thaddeus Ink Co., 97 Vandam, New York**
Dietzer Eugene Co., 166 W Monroe, Chicago, Ill.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
**Higgins Chas. M. & Co., 271 9th, Brooklyn, N. Y.**
Johnston J. W. ("Snow-White" Marking Fluid), New Arts bldg., Rochester, N. Y.
**Keuffel & Esser, Hoboken, N. J.**
**Morrill Geo. H. Co., Norwood, Mass.**
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Post Fred'k Co., 3635 S Clark, Chicago, Ill.
Taylor Bros. Co. ("Opake" Quick Drying Water Proof, for Tracing Cloths), 706 Superior av, N W, Cleveland, O.
**Tower Mfg. & Novelty Co. ("Arnold's"), 326 B'way, New York**
**WEBER F. & CO.** (Black & Colored), 1220 Buttonwood st, Phila., Pa.; also St. Louis, Mo., & Baltimore, Md.

## 6607— Inks (Duplicator)

**Fuller, Louis E. 226 W 75th, New York**
**Kruse Printing Ink Co., 437 Pearl, New York**

## 6608— Inks (Embossing)

**BINSWANGER B. & CO.,** 329 N 3rd, Phila., Pa.
Goetjens Chas. F., 626 4th av, Brooklyn, N. Y.
Standard Ink & Color Co., 129 Atkins av, Brooklyn, N. Y.

## 6609— Inks (Indelible)

Applegate Chemical Co., 6322 Ellis av, Chicago, Ill.
Carter's Ink Co., E Cambridge, Boston, Mass.
David's Thaddeus Ink Co., 97 Vandam, New York
Williston R. L. ("Payson's"), Northampton, Mass.

## 6610— Inks (Marking)

**Binney & Smith Co. ("Eclipse"), 81 Fulton, New York**
Botts Marking Ink Co., 330 Pearl, New York
David's Thaddeus Ink Co., 97 Vandam, New York
**DIAGRAPH STENCIL MACHINE CORP.,** 9th & Clinton, St. Louis, Mo.
*See adv index at end of book*
Everett & Barron Co., 359 Eddy, Providence, R. I.
Johnston J. W. ("Snow White" Marking Fluid), New Arts bldg, Rochester, N. Y.
**Spencer S. M. Mfg. Co., (Indelible), 9 Cornhill, Boston, Mass.**
**Volger B. G. Mfg. Co. ("Volger," Indelible), Passaic, N. J.**

## 6611—Inks (Metal Marking)

**Strasenburgh R. J. & Co., Rochester, N. Y**

## 6612—Inks (Numbering Machine)

Carter's Ink Co., E Cambridge, Boston, Mass.
**Heale J. A. & Co., 96 John, New York**

## 6613—Inks (Printing & Lithograph)

Acheson Ink Co., Niagara Falls, N. Y.
Acme Printing Ink Co., 548 W Harrison, Chicago, Ill.
American Ink Co., 132 Nassau, New York
American Luminous Products Co. (Luminous), Huntington Park, Cal.
American Pad & Ink Co., 22nd & Glenwood av, Phila., Pa.
American Printing Ink Co., 1127 W 6th, Cincinnati, O.
American Printing Ink Co. (Wood Printing), 2314 W Kinzie, Chicago, Ill.
Ampt Chas. F. Co., 112 E Water, Cincinnati, O.
Auld Hampton, 106 Verona av, Newark, N. J.
Ault & Wiborg Co., Cincinnati, O.
Austin Kelly Ink Co., 590 Franklin, Detroit, Mich.
Barnard F. A. & Son, 529 S Dearborn, Chicago, Ill.
Berger & Wirth, 58 Columbia Hts., Brooklyn, N. Y.
Braden Printing Ink Co., 104 St. Clair, Cleveland, O.
Buckeye Ink Co., 141 E 4th, Cincinnati, O.
Buckie Printers Ink Co., 714 S Clark, Chicago, Ill.
Buffalo Printing Ink Works, (Copyable Printing), 348 Ellicott, Buffalo, N. Y.
California Ink Co., 33 Clementina, San Francisco, Cal.
Chicago Printing Ink Co., 24 S Clinton, Chicago, Ill.
Crescent Color & Chemical Wks., 59th & 11th av, New York
Donald Wm. C. & Co., Andover, Mass.
Donnell C. E. & Co., 5328 Savoy ct, St. Louis, Mo.
Dunn Ink Works, Buffalo, N. Y.
Eagle Printing Ink Co., 83 Grand, New York
Fuchs & Lang Mfg. Co., 119 W 40th, New York
Fuller Louis E., 226 W 75th, New York
Graham Geo. D., 523 Commercial, San Francisco, Cal.
Hellmuth Chas., 154 W 18th, New York
Hoeffler J. & Co., 18 E 138th, New York
Huber J. M., 602-62nd, Brooklyn, N. Y.
Indiana Chemical & Mfg. Co., 135 S East, Indianapolis, Ind.
Jaenecke-Ault Co. ("Jaco," "Anchor"), Newark, N. J.
Jay Printing Ink Co., 250 Plymouth, Brooklyn, N. Y.
Johnson Chas. Eneu & Co., 509 So 10th, Philadelphia, Pa.
Kansas City Printing Ink Co., 400 B'way, Kansas City, Mo.
Kent Wm. P. & Co., 49 Rose, New York
Kienle & Co., 109 S 5th, Brooklyn, N. Y.
Kohl & Madden Mfg Co, 124 Polk, Chicago, Ill.
Kruse Printing Ink Co., 437 Pearl, New York
Levey Fred. H. Co., 59 Beekman, New York
McCutcheon Bros. & Quality, 1130 Callowhill, Phila., Pa.
Magnetol Printing Ink Co., 461 8th av, New York
Martin Otto & Co., 130 N 4th, Phila., Pa.
Mayer Robt. & Co., 461 8th av, New York
Meyer F. W. Co., 46 Walworth, Brooklyn, N. Y.
Miller-Cooper Ink Co., Kansas City, Mo.
Morrill George H. Co., Norwood, Mass.
Okie F. E. Co., 127 S 2nd, Phila., Pa.
Okie Francis G., 150 N 4th, Phila., Pa.
Pollock Ink Co., 212 Elm, Buffalo, N. Y.
Prescott H. S., 571 Atlantic av, Boston, Mass.
Queen City Printing Ink Co., 1929 South, Cincinnati, O.
Ray Wm. H. Printing Ink Mfg. Co., 735 E 9th, New York
Richmond Printing Ink Co., 16 N 14th, Richmond, Va.
**Rigler F. A. Ink Co., Battle Creek, Mich.**
Roach Jos. A. & Co., 622 S Dearborn, Chicago, Ill.
Roberts Lewis, 72 Union, Newark, N. J.
Rodgers J. E. Mfg. Co., 206 E 19th, New York
Rogers & McIntyre, 30 S Clark, Chicago, Ill.
Roosen H. D. Co., 461 8th av, New York
Royal Bronze Ink Co., 5144 Irving, Phila., Pa.
Ruxton Philip (Inc.), 220 W 42d, New York
Schwarm & Jacobus Co., 906 B'way, Cincinnati, O.
Senelith Ink Co., Inc., 32 Greene, New York
Siebold J. H. & G. B., 21 W Houston, New York
Sinclair & Valentine Co., 611 W 129th, New York
Sleight Metallic Ink Co., 5907 Market, Phila., Pa.
Southern Oil & Chemical Co., Savannah, Ga.
Standard Ink & Color Co., 129 Atkins av, Brooklyn, N. Y.
Standard Printing Ink Co., 1644 Providence, Cincinnati, O.
Ullman-Philpott Co., 4805 Lexington, Cleveland, O.
Ullman Sigmund Co., 146th & Park av, New York
Underwood John & Co., 62 Park pl, New York
Union Printing Ink Co., Akron, O.
Universal Printing Ink Co., 225 W 39th, New York
Wallace Sterling, 65 Frankfort, New York
Webb - Jensen - Davis Co., 597 Lackett, Brooklyn, N. Y.
Webster F. S. Co., 340 Congregational, Boston, Mass.
Western Merchandise & Supply Co., 326 W Madison, Chicago, Ill.
Wilson W. D. Printing Ink Co., 17 Spruce, New York
Wolff Fred E., 607 S Dearborn, Chicago, Ill.
Wright J. K. Printing Ink Co., 531 N 9th, Phila., Pa.
Zehden Metallic Ink Co. ("Supreme" Gold & Silver), 132 Nassau, New York

## 6614— Inks (Rubber Stamp)

**Carter's Ink Co., E Cambridge, Boston, Mass.**
Davids Thaddeus Ink Co., 97 Vandam, New York
Fuller Louis E., 226 W 75th, New York
Heale J. A. & Co. ("Inco"), 96 John, New York
Ink Ribbon Mfg. Co., 635 Howard st, San Francisco, Cal.
Keystone Stationery Mfg. Co. ("Never-Smear"), 539 Wood, Pittsburgh, Pa.
**Morrill Geo. H. Co., Norwood, Mass.**
**Volger B. G. Mfg. Co., Passaic, N. J.**

## 6615— Inks (Show Card)

**Carter's Ink Co. ("Mark-a-Line"), E. Cambridge, Boston, Mass.**
**Davids Thaddeus Co. ("Letterine"), 97 Vandam, New York**
Johnston J. W. ("Snow White" Marking Fluid), New Arts bldg, Rochester, N. Y.
Weber F. & Co., 1220 Buttonwood, Phila., Pa.

## 6616— Inks (Stencil)

**Botts Marking Ink Co. (Paste & Cake), 330 Pearl, New York**
**Bradley A. J. Mfg. Co., 101 Beekman,** New York *See adv index at end of book*
Diagraph Co. ("Diagraph"), 2121 N 9th, St. Louis, Mo.
*See adv index at end of book*

## 6617— Inks (Tracing Cloth)

Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.

## 6618— Inks (Writing)

American Luminous Products Co. (Luminous), Huntington Park, Cal.
Bankers Ink Co., Kansas City, Mo.
Barnes National Ink Co., 222 N 5th, Phila., Pa.
Carter's Ink Co. (Indelible, Copying, etc.), E Cambridge, Boston, Mass.
Caw's Pen & Ink Co., 78 Reade, New York
Continental Mfg. Co. ("Continental"), 4611 Girard, Phila., Pa.
Cook B. C. Chemical Mfg. Co., Charlotte, N. C.
Davids Thaddeus Ink Co., 97 Vandam, New York
Davis Emry, 298 B'way, New York

Davis Wm. A. Co. ("U. S. Treasury"), 40 Batterymarch, Boston, Mass.
Diamond Ink Co., 192 E Water, Milwaukee, Wis.
Heller B. & Co. ("Zanzibar"), 3925 Calumet av, Chicago, Ill.
Higgins Chas. M. & Co., 271 9th, Brooklyn, N. Y.
Ink Ribbon Mfg. Co., 635 Howard st, San Francisco, Cal.
Keller Rob't Ink Co., 149 Brooklyn, Detroit, Mich.
Kirk Harry D., 2316 W Harrison, Chicago, Ill.
Levison & Blythe Mfg. Co., 209 Locust, St. Louis, Mo.
Moore J. & I. E. Warren, Mass.
Pomeroy Ink Mfg. Co., 55 E Park, Newark, N. J.
Sanford Mfg. Co., Congress & Peoria, Chicago, Ill.
Stafford S. S., 609 Washington, New York
Thomas L. H. Co., W Congress & S Peoria, Chicago, Ill.
Underwood John & Co., 62 Park Place, New York
Woodmansee F. A. ("Woodmansee," Writing & Copying), 117 E Pearl, Cincinnati, O.
Worden Ink & Mfg. Co., 132 Church, New York

## 6619— Inkstands & Wells

Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
American Hard Rubber Co. (Hard Rubber Inkstands), 9 Mercer, New York
Cushman & Denison Mfg. Co. ("Chelsea," "Capitol," Non-Evaporating), 240 W 23d, New York
Davis Emry ("Davis" Automatic), 298 B'way, New York
General Eclipse Co. ("Eclipse" Pneumatic), Danielson, Conn.
Kimpton Ed. Co., 60 John, New York
National Sheet Metal Co. ("Nicolene"), Peru, Ill.
Scattergood H. W. Co. ("Scattergood" Inkwells), 1722 W Venango, Phila., Pa.
**SCHIMPER WILLIAM & CO.**, 322-338 Ferry, Hoboken, N. J., & 33 Union sq, W, New York
*See adv index at end of book*
Scofield & Co., 150 Nassau, New York
Sengbusch Self-Closing Inkstand Co. (Self-Closing), Stroh bldg, Milwaukee, Wis.
Smith & Egge Mfg. Co. ("Irving's Paradox"), Bridgeport, Conn.
Sneath Glass Co. (Inkwells), Hartford City, Ind.
Stoughton Novelty Mfg. Co., Inc., Stoughton, Wis.
Weeks Frank A. Mfg. Co., 93 John, New York

## 6620— Inlets (Fresh Air)

Advance Mfg. Co., Erie, Pa.
Central Foundry Co., 90 West, New York
Du Bois F. N. & Co., 247 9th av, New York
Fee & Mason, 81 Beekman, New York
Hays Mfg. Co., Erie, Pa.
Mott J. L. Iron Works, Trenton, N. J.
Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

## 6621— Inlets (Sewer)

American Brake Shoe & Foundry Co., Mahwah, N. J.
Barber Mfg. Co., Ashtabula, O.
Buckeye Foundry Co., Queen City av & Buck, Cincinnati, O.
Burch Plow Works Co., Crestline, O
Burr Co., Champaign, Ill.
Canton Foundry & Machine Co., Canton, O.
City Foundry Co., 45th & Hamilton av, Cleveland, O.
Columbian Iron Works ("Columbian"), Chattanooga, Tenn.
Davies & Thomas Co., Catassauqua, Pa.
Dee Wm. E. Co., 30 N La Salle, Chicago, Ill.
Duplex Mfg. & Fdry Co., Elyria, O.
Ford & Kimball, Concord, N. H.
Gold Coin Stove & Fdry. Co., Albany, N. Y.
Hennessey Foundry Co., Springfield, O.
Kramer Bros. Foundry Co., Dayton, O.
Kuhns Bros., Dayton, O.
Madison Foundry Co. ("Acme"), Cleveland, O.
McDonald Foundry, Columbus, O.
Motor Castings Co., South Bend, Ind.
Nordeen Foundry Co., Everett, Wash.
Over Ewald, Indianapolis, Ind.
Parsons Co., Newton, Ia.
Roanoke Iron Works, Roanoke, Va.
Sessions Foundry Co., Bristol, Conn.
Shunk Plow Co., Bucyrus, O.
South Bend Foundry Co., South Bend, Ind.
Stary Frank & Sons, Cedar Rapids, Ia.
Stuart Foundry Co., 207 Junction, Detroit, Mich.
Thompson J. & Co., Van Horn & Sophia, Phila., Pa.
Wearne Bros., Omaha, Neb.

## 6621a—Innersoling (Leather Substitute)

Flintkote Co., 88 Pearl, Boston, Mass.
Rice & Hutchings, Boston, Mass.
Rogers Fibre Co., 121 Beach, Boston, Mass.
*See adv index at end of book*

## 6621b— Innersoling (Shoe)

Rogers Fibre Co. ("Rofico" Fibre), 121 Beach, Boston, Mass.
*See adv index at end of book*

## 6622— Insecticides

Adler Color & Chemical Works, 100 William, New York
Alcatraz Co., Inc. ("Insect-See"), 3200 Williamsburg av, Richmond, Va.
Alen H. E. Co. Inc. ("So-Bos-So Kilfly" & Sprayers), Carthage, N. Y.
Aspinwall Geo. H., Corneilson av, Jersey City, N. J.
Barrett Chemical Co., 233 37th, Brooklyn, N. Y.
Baum Bros. Co., Denver, Colo.
Berg & Beard Mfg. Co. (Rat Exterminator), 100 Emerson pl, Brooklyn, N. Y.
Blanchard James A. Co. ("Lion"), 30 Church, New York
Boston Chemical Co., 196 West Canton, Boston, Mass.
Brown's Insecticide Co., 203 E 44th, New York
California Exterminating Co., Inc. (Roach Powder, Bug Liquid, Ant & Rat Poison, etc.), 121 Manhattan, New York
Chemical Supply Co., 2450 Canal rd, Cleveland, O.
Clifton Chemical Co., 317 Greenwich, New York
Columbian Insecticide Co., 552 Columbus av, New York
Conkey G. E. Co. ("Fly King"), 3039 Woodland av, S E, Cleveland, O.
**COOK & SWAN CO., INC.** ("Sulco V B"), 148 Front, New York
*See adv index at end of book*
Danforth Chemical Co. ("Bug Death"), Leominster, Mass.
Dusenberry H. C. (Inc.) ("Mothaline," "Naphtha Camphor"), 95 Gold, New York
Ellis Chas. H. & Son, Port Chester, N. Y.
Felix Girard Co., Inc., 4th av S. & Franklin, Minneapolis, Minn.
Flash Chemical Co. ("Flash Cafo Cear"), 160 Second, Cambridge, Mass.
Frederick Disinfectant Co., Atlanta, Ga.
Frost Insecticide Co., Arlington, Mass.
Glidden Co., Madison av & Berea rd, Cleveland, O.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Hammond Benjamin, Beacon, N. Y.
Hockwald Chemical Co. ("Carbolicide"), 531 Howard, San Francisco, Cal.
Insecticide Co., Phelan bldg, San Francisco, Cal.
Lee Geo. H. Co., Omaha, Neb.
Leggett & Bro. ("Anchor"), 301 Pearl, New York
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
Nicotine Mfg. Co., 117 N Main, St. Louis, Mo.
Painter E. O. Fertilizer Co., Jacksonville, Fla.
Peerless Stock Powder Co. ("Nox-a-Bug"), Falls City, Neb.
Plunkett Chemical Co. ("Bug-no," "Roach-no," "Moth-no"), 2540 Cottage Grove av, Chicago, Ill.
Pratt B G Co. ("Scalecide" Agricultural), 50 Church, New York
Rath Mfg. Co. ("Dead Easy"), Hedley E of Richmond, Phila., Pa.
Reade Mfg. Co. ("Readeana" Insect Killer, Hoboken, N. J.
Reilly Co., Indianapolis, Ind.
Riches, Pever & Co., 30 Church, New York
Rosealine Products Co. ("Rosealine"), 667 Howard, San Francisco, Cal.
*See adv index at end of book*
Sanifat Co., 141 W 36th, New York
Sanitary Products Corp., Phila., Pa.
Schafer Geo. H. & Co. (Centennial," Rat), Fort Madison, Ia.
Spiritine Chemical Co., Wilmington, N. C.
Standard Chemical Co., 728 Frankfort av, Cleveland, O.
Standard Chemical Co. ("Cedo-Cide"), Houston, Texas
Stearns Electric Paste Co., Peoples Gas bldg., Chicago, Ill.
Stratford Chemical Co., 25 Cortlandt, New York
Williams Joseph Co., Sharpsburg, Pa.

## 6623— Insoles (Cork)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.

## 6624—Inspection of Iron, Steel, Concrete & General Construction

Bartholomew M. L. (Testing a Specialty), Phoenixville, Pa.
Hunt Robt. W. & Co., 175 Jackson blvd, Chicago, Ill. *See adv index at end of book*


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## Inspirators

See Injectors

## 6625—Instruments (Astronomical)

Adams J. F., 22 N May, Chicago, Ill.
Bausch & Lomb Optical Co., Rochester, N. Y.
Berger C. L. & Sons, 37 Williams, Boston, Mass.
**Buff & Buff Mfg. Co., rear 98 Green, Jamaica Plain, Boston, Mass.**
Pennsylvania Instrument Co., 618 Chestnut, Phila., Pa.
*See adv index at end of book*
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.
**Wissler A., B'way & Wash. av, St. Louis, Mo.**

## Instruments (Band)

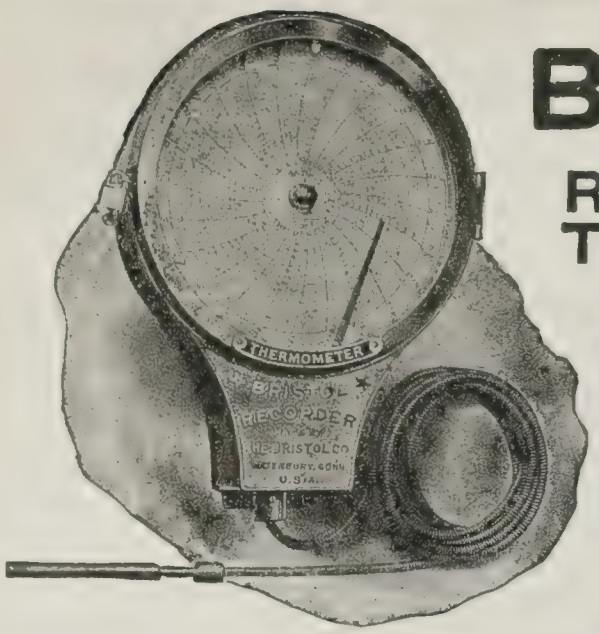
See Instruments, Musical

## 6625a—Instruments (Electrical Recording)

Bristol Co. ("Bristol's Strip Type Ammeter, Voltmeter, & Wattmeter), Waterbury, Conn.
*See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Esterline Co., Indianapolis, Ind.
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*
Sangamon Electric Co., Springfield, Ill.
Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
*See adv index at end of book*

## 6626-7—Instruments (Electrical Testing & Measuring)

Advance Felt & Cutting Co. (Physical Properties of any Materials), 380 S Jefferson, Chicago, Ill.
**AMERICAN STEEL & WIRE CO.** ("A, S & W" Rail Bond Testers), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Biddle Jas. G. (Testing), 1211 Arch, Phila., Pa.

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INSTRUMENTS (ELECTRICAL TESTING & MEASURING)—continued

**BRISTOL CO.** ("Bristols"), Waterbury, Conn. *See adv index at end of book*

Century Electrical Co. ("Century" Field & Armature Tester & Testing Devices), Syracuse, N. Y.

Chicago Apparatus Co. (For Educational Institutions, etc), 32 S Clinton, Chicago, Ill.

Eldredge Electric Mfg. Co., Springfield, Mass.

Electrical Engineering Co., 21 N 6th, Minneapolis, Minn.

Foote, Pierson & Co. ("Delta" Testing), 160 Duane, New York

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*

Gibb Instrument Co. ("Zeus"), Highland bldg, Pittsburgh, Pa.

Hickock Electrical Instrument Co., 10514 Dupont, Cleveland, O.

Holz & Co., Inc., 18 Madison av, New York *See adv index at end of book*


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18 Madison Avenue NEW YORK


Joy Machine Co. (Railway Testing), Union Arcade bldg, Pittsburgh, Pa.

Leeds & Northrup Co., 490 Stenton av, Phila., Pa.

Lord Mfg. Co. ("Leco" Direct Reading Bono Tester), 105 W 40th, New York

Metropolitan Engineering Co. (Testing Meters), 1250 Atlantic av, Brooklyn, N. Y.

Norton Electric Instrument Co., Manchester, Conn.

Pennsylvania Instrument Co., 618 Chestnut, Phila., Pa. *See adv index at end of book*

Pyrolectric Instrument Co., Trenton, N. J.

Queen-Gray Co., 618 Chestnut, Phila., Pa.

Roller-Smith Co. ("Roller-Smith," Measuring), 233 B'way, New York

Sangamon Electric Co., Springfield, Ill.

Simplex Magneto Co., Inc. ("Simplex"), 1790 B'way, New York

Thompson-Levering Co. ("Peerless"), 325 Arch., Phila., Pa.

Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.

Westburg Enung Co., 53 W Jackson blvd, Chicago, Ill.

**WESTINGHOUSE ELECTRIC & MFG. CO.,** E. Pittsburgh, Pa. *See adv index at end of book*

Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

Wissler A, B'way & Wash av, St Louis, Mo

## 6628—Instruments (Hardness Testing)

Gries Bros., 450 E 148th, New York

Holz & Co., Inc. 18 Madison av, New York *See adv index at end of book*


For Hardness Tests:

THE STANDARD BRINELL TESTING MACHINE

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HOLZ & CO., Inc.

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**Pittsburgh Instrument & Machine Co.** ("Brinell"), 236 3d av, Pittsburgh, Pa.

Sauveur & Boylston ("Brinell," Importers), Cambridge, Mass.

**SHORE INSTRUMENT & MFG. CO., THE,** Jamaica, N. Y.

## 6629—*Instruments (Intricate Mechanical)

**PLUMB D. S.** (Special & to Order), 73 Norfolk, nr Central av, Newark, N. J. *See adv index at end of book*

## 6630— Instruments (Leveling)

Athol Machine Co., Athol, Mass.

Pennsylvania Instrument Co., 618 Chestnut, Phila., Pa. *See adv index at end of book*

**STARRETT L. S. CO. (THE),** Althol, Mass. *See adv index at end of book*

## 6631—Instruments (Magnetic Research)

Holz & Co., Inc., 18 Madison av, New York *See adv index at end of book*

## Instruments (Mathematical)

See Instruments, Nautical; also Scientific; also Engineering & Surveying


When writing to firms whose names appear in this book please mention

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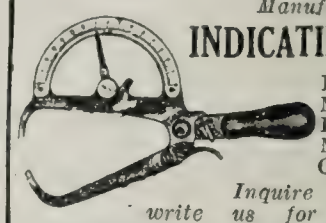

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## 6632— Instruments (Musical)

American Ocarina & Toy Co., Inc. (Ocarinas), 69 Bruen, Newark, N. J.

Baumgartner Eugene (Flutes, Clarinets & Violins), 835 W 50th, Chicago, Ill.

Blessing Emil K. (Band Instruments), Elkhart, Ind.

**Bruno C. & Son, 351 4th av, New York**

**Buescher Band Instrument Co. (Band & Orchestra Instruments), Elkhart, Ind.**

Buss H. & Son (Imp. Harmonicas), 434 Broadway, New York

Clark Harp Mfg. Co., 416 S Salina, Syracuse, N. Y.

Conn Chas. G., Ltd. (Band Instruments), Elkhart, Ind.

Holton Frank & Co. (Band), 317 S Wabash av, Chicago, Ill.

Kazoo Co., 535 E Utica, Buffalo, N. Y.

**Koch Ands (String & Brass, Imp.), 296 B'way, N. Y.**

**Martin Band Instrument Co. (Band Instruments), Elkhart, Ind.**

National Musical String Co. (Harmonicas), New Brunswick, N. J.

**Niagara Musical Instrument Co. (Automatic), N Tonawanda, N. Y.**

Nuss Mfg. Co., Harrisburg, Pa.

Regina Co., Rahway, N. J.

Schmidt Oscar, Ins., 87 Ferry, Jersey City, N. J.

Strauss Bros. & Co. (Imp.), 355 B'way, New York

Welte M. & Sons (Automatic Full Brass Band, etc.), 667 5th av, New York

Whitlock J. W. & Co., Rising Sun, Ind.

Wurlitzer, Rudolph Mfg. Co., 117 E. 4th, Cincinnati, O.

## 6633—Instruments (Nautical)

Bausch & Lomb Optical Co., Rochester, N. Y.

Bliss Jno. & Co., 128 Front, New York

Cummings Ship Instrument Works, 110 High, Boston, Mass.
Hadlock W. E. & Co., 152 State, Boston, Mass.
Hand Jno. & Sons, 208 Chestnut, Phila., Pa.
Keuffel & Esser Co., Hoboken, N. J.
Marine Compass Co., Bryantville, Mass.
Kelvin & Wilfred O. White Co., 112 State, Boston, Mass.
**MORMA Co. OF AMERICA** (Measuring), 179 B'way, New York
*See adv index at end of book*
Merrill's R. Sons, 66 South, New York.
Negus T. S. & J. D., 140 Water, New York
Pennsylvania Instrument Co., 618 Chestnut, Phila., Pa.
*See adv index at end of book*
Riggs & Bro., 310 Market, Philadelphia, Pa.
Ritchie E. S. & Sons, Brookline, Mass.
Rupp Michael & Co. (Imp.), 112 Broad, New York
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Sherman, Eugene M., Bellevue, Wash.
Upson Walton Co., 1294-7 W 11th, Cleveland, Ohio.
Weule Louis Co., 6 California, San Francisco, Cal.
**Wissler A. Instrument & Mfg. Works, B'way & Wash. av, St. Louis, Mo.**

## 6634—Instruments of Precision

Electro Sun Co., Inc., 161 Washington, New York
Fiego Alex. J. R., Lynn, Mass.
Gaertner Wm. & Co. (Measuring), 5345 **Lake Park av, Chicago, Ill.**
Holz & Co., Inc., 18 Madison av, New York
*See adv index at end of book*
Meyers W. F. Co., Bedford, Ind.
Pneumercator Co., Inc. (Measuring), 15 Park row, New York
Pyrolectric Instrument Co., Trenton, N. J.
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*
Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
**Wissler A., B'way & Washington av, St. Louis, Mo.**

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General Optical Co., 50 E 42d, New York
Limeburner J. E. Co., 1720 Chestnut, Phila., Pa.
Pennsylvania Instrument Co., 618 Chestnut, Phila., Pa.
*See adv index at end of book*
**Queen-Gray Co., 618 Chestnut, Phila., Pa.**
Reid J. E. Instrument Co., Inc., 408 N 12th, Phila., Pa.
Wagner Bros. & Co. (Imp.), 71 W 23d, New York

## 6635a—Instruments (Photomicrographic)

Holz & Co., Inc., 18 Madison av, New York
*See adv index at end of book*
**Sauveur & Boylston ("S. & B."), Cambridge, Mass.**

## 6636— Instruments (Pocket)

American Ever Ready Wks. of Natl. Carbon Co., Thompson av, Long Island, City, N. Y.
Benford Mfg. Co., Mt. Vernon, N. Y.
Bunnell J. H. & Co., 32 Park pl, New York
Clark Elec. Meter Co., 1330 12th, Detroit, Mich.
Conn. Telephones & Elec. Co., 70 Britnia, Meriden, Conn.
Eldridge Elec. Mfg. Co., Springfield, Mass.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Harvard Elec. Co. (Battery Gauges), 525 Van Buren, Chicago, Ill.
Hoyt Elec'l Instrument Wks. Penacook, N. H.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Pignolet L. M., 78 Cortlandt, New York
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Readrite Meter Wks., Bluffton, O.
Robert's Instrument Co., 56 Shelby, Detroit, Mich.
Roller-Smith Co., 233 B'way, New York
Sholder-Excel Mfg. Co., Clyde, O.
Sterling Mfg. Co., Blackstone bldg, W 3d, Cleveland, O.
Weston Elec'l Instrument Co., Waverly Park, Newark, N. J.

## 6637—Instruments (Pole Measuring)

**United Electric Supply Co. ("Vertascope"), Marion, Ohio**

## 6638-9—Instruments (Radio Averaging)

**BRISTOL CO.** ("Bristol-Durand"), Waterbury, Conn.
*See adv index at end of book*

## Instruments (Recording)

**See the Specific Article Required**

## 6640—Instruments (Scientific)

Alton International Industries, 18 William, New York
American Scientific Instrument Co., 50 John, New York
**Bausch & Lomb Optical Co., Rochester, N. Y.**
Beckmann L. Co. (Surveying, 1003 Jackson st, Toledo, O.
Berger C. L. & Sons, 37 Williams, Boston, Mass.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
**Buff & Buff Mfg. Co. (Field), rear 98 Green, Jamaica Plains, Boston, Mass.**
**BRISTOL CO.** ("Bristol"), Waterbury, Conn. *See adv index at end of book*
**Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.**
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Gaertner Wm. & Co., 5345 Lake Park av, **Chicago**
Holz & Co., Inc., 18 Madison av, New York
*See adv index at end of book*
Humboldt Mfg. Co., 2014 Nebraska av, Chicago, Ill.
Jesnig, C., 714 Sansom, Phila, Pa.
Keuffel & Esser Co., Hoboken, N. J.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Leupold & Voelpel, 107 E 70th, N, Portland, Ore.
Nelson Instrument Co., 11 Elkins, Boston, Mass.
Pennsylvania Instrument Co., 618 Chestnut, Phila., Pa.
*See adv index at end of book*
**Queen-Gray Co., 618 Chestnut, Phila., Pa.**
Schaar & Co., 558 N Jackson blvd, Chicago, Ill.
Scientific Utilities Co., Inc. (Surgical, etc., for Chemical Laboratories), 18 E 16th, New York
**SHORE INSTRUMENT & MFG. CO., THE**, (Scleroscope, Pyroscope, Glass & Rubber Testers), Jamaica, N. Y.
Standard Scientific Co., 2 W 13th, New York
Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
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Armstrong Wm. H. Co., 34 W Ohio, Indianapolis, Ind.
Baird Co., Plainfield N. J.
Beard W. G., 360 Watton, New York
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Berbert A. & Bro., 436 Powell, San Francisco, Cal.
**Betz Frank S. Co., Hammond, Ind.**
**Birk John Co., 310 S 3rd, Louisville, Ky.**
Bleadon-Dun Co., 15 S Desplaines, Chicago, Ill.
Brady Wm. & Co. (Dental Grinding Wheels & nerve extractors), 1911 Park av, New York
**Buffalo Dental Mfg. Co.** (Dental Only), **Buffalo, N. Y.**
Carstens H. Mfg. Co., 567 W Lake, Chicago, Ill.
Cleveland Dental Mfg. Co., 3307 Scranton rd, Cleveland, O.
**Codman & Shurtleff, 120 Boylston, Boston, Mass.**
**De Vilbiss Mfg. Co., Toledo, O.**
**De Zeng Standard Co. (Elec. Lighted), Camden, N. J.**
Dixon William (Dental), 39 John, New York
**Dougherty J. T. (Imp.), 409 W 59th, New York**
Dugan-Johnson Co., 29 W Ohio, Indianapolis, Ind.
Edwards Instrument Co., 966½ Ft. Wayne av, Indianapolis, Ind.
**Electro Dental Mfg. Co. (Dental), 33rd & Arch, Phila., Pa.**
**Electro Surgical Instrument Co. (Electric Lighted), Rochester, N. Y.**
Ermold Geo. Co., 362 2nd av, New York,
**Feick Bros. Co., 809 Liberty av, Pittsburgh, Pa.**
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Forgegor Co. (Anaesthetic appar.), 47 W 42nd New York
Gibson Co., Inc., 310 N Eutaw, Baltimore, Md.
**Gemrig J. H. & Son, 109 S 8th, Phila., Pa.**
**Hatteroth William, 228 Powell, San Francisco, Cal.**
Haussmann & Dunn Co., Veterinary & Human, 708 S Clark, Chicago, Ill.
Holz & Co., Inc. (Eye Magnets), 18 Madison av, New York
*See adv index at end of book*
Hospital Supply Co., 153 E. 23rd, New York
**Kennedy J. E. & Co., 201 E 23rd, New York**
**Knauth Bros., 220 4th av, New York**
**Kny-Scheerer Co. (Illuminated), 404 W 27th, New York**
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**Leach & Greene, 100 Boylston, Boston, Mass.**
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Lentz Chas. & Sons, 33 S 17th, Phila., Pa.
Leny Apparatus Co., 9 E 16th, New York
Low N. S. & Co., 44 Ave. A, New York
**McCully R. P. & C. H., Inc., 331 Van Buren, Brooklyn, N. Y.**
**McDermott Surgical Instrument Co., 734 Poydras, New Orleans, La.**
**Meyerowitz E. B., 237 5th av, New York**
**Mueller V. & Co., 1779 Ogden av, Chicago, Ill.**
**Neuhaus C. & Co., 510 N. Eutaw, Baltimore, Md.**
Ohio Chemical & Mfg. Co., 1177 Marquette, San Francisco, Cal.
Ohio Instrument Mfg. Co., 5902 Carnegie av, Cleveland, O.
**Pacific Surgical Mfg. Co., Los Angeles, Cal.**
Payne Matthew Dental & Surgical Mfg. Co., Matthews, Yonkers, N. Y.
**Pedersen Lubricator Co. ("Hartley & Kenyon" Outfit for Bone Operation), 636 First av, New York**
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Poughkeepsie Cutlery Wks., Inc. (Surgical), Poughkeepsie, N. Y.
**Precision Thermometer & Instrument Co. (The Nicholson "Princo" Sphygmomanometer), 1434 Brandywine, Phila., Pa.**
Precious Metals Tempering Co., Inc. ("Surgical" Gold & Silver Knives & Hypodermic needles), 30 Church, New York
Randall-Faichney Co., Boston, Mass.
**Reichardt F. A. & Co., 83 Barclay, New York**
Reid J. E. Instrument Co., Inc., 408 N 12th, Phila., Pa.
**Richter Gustav F., 855 De Kalb av, Brooklyn, N Y.**
Scientific Apparatus Co., Inc. (Gas Oxygen apparatus), 162 W 34th, New York
Scientific Utilities Co., Inc., 18 E 16th, New York
Schmid E. Co., 912 Fort Wayne av, Indianapolis, Ind.
**Schmid Leopold, 1241 Buttonwood, Phila., Pa.**
Schnefel Bros. (Surgical & Dental Forceps), 684 So 17th, Newark, N. J.
Sharp & Smith, 65 E Lake, Chicago, Ill.
Sklar J. Mfg. Co., 133 Floyd, Brooklyn, N. Y.

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Tiemann Geo. & Co., 107 Park Row, New York
Truax, Greene & Co., 171 N Wabash av, Chicago, Ill.
Tutschek F., 209 Centre, New York
Wappler Electric Co. (Electric Lighted), 187 Harris av, Long Island City, N. Y.
Weder Mfg. Co., Germantown & Stenton, Phila., Pa
Weniger H., 143 Valencia, San Francisco, Cal.
Western Instrument Co., 1001 Wash. bl., Chicago, Ill.
White S. S. Dental Mfg. Co. 211 S 12th, Phila., Pa.
Willis Wm. V. & Co., 134 S 11th, Phila., Pa.
Willms Chas. Surgical Instrument Co., 300 N Howard, Baltimore, Md.
Wilson Instrument & Specialty Co., Passaic, N. J.
Wocher Max & Son Co. (Surgical), 19 W 6th, Cincinnati, O.
Zipf A., 3044 Olive, St. Louis, Mo.

## 6642—Instruments (Telegraph)

Banholzer Paul P., 2314 E Huntingdon, Phila., Pa.
Bunnell J. H. & Co. (Also Telegraph Appliances), 32 Park pl, New York
Cardwell, Allen D., 251 W 19th, New York
Cutting & Washington Radio Corp., Inc., ("C. & W." Wireless), 6 & 8 W 48th New York
*See adv index at end of book*
Foote, Pierson & Co. (Measuring & Testing Instruments of Precision), 160 Duane, New York
Kleinschmidt Elec Co., 36 Flatbush av, Brklyn, N. Y.
Lamson Co., 15 W 44th, New York
**MANHATTAN ELECTRICAL SUPPLY CO.** (Standard & Wireless), 17 Park pl, New York
*See adv index at end of book*
Manufacturers' & Inventors Electric Co. **("Morse Watch"), 29 Gold, New York**
Menominee Elec Mfg. Co., Menominee, Mich.
Piersen Mfg. Co., Topeka, Kan.
Voltamp Elec. Mfg. Co., 407 N Paca, Baltimore, Md.
Western Electric Co., 500 S Clinton, Chicago, Ill. & 463 West, New York

## 6643—Instruments (Testing, Ammeter & Voltmeter)

National Carbon Co. ("Columbia"), Madison av, N W & W 117th, Cleveland, O.

## 6644—Instruments (Testing, Assayers' & Chemists')

Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Greiner Emil Co., 55 Fulton, New York

## Instruments (Testing & Measuring)

See Instruments, Electrical Testing & Measuring

## 6645—Instruments (Veterinary)

Koch F. A. & Co., 524 B'way, New York
U. S. Needle Concern (Needles), 912 W Madison, Chicago, Ill.

## 6646—Instruments (Wireless Telegraph)

Adams-Morgan Co., Upper Montclair, N. J.
American Radio & Research Corp. (Aeroplane wireless), 21 Park Row, New York
Atlantic Communication Co., 241 Lafayette, New York
Bowman A. W. & Co., Boston, Mass.
Brandes C., 32 Union sq, New York
Bunnell J. H. & Co., 32 Park pl, New York
Clapp-Eastham Co., Cambridge, Mass.
Continental Elec. Co., 1883 Park av, New York
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Doubleday-Hill Elec. Co., 719 Liberty, Pittsburgh, Pa.
Electro Importing Co., 233 Fulton, New York
Electrical Industries Mfg. Co., 328 W 41st, New York
General Radio Co., 11 Windsor, Cambridge, Mass.
Haller-Cunningham Electric Co. (Marine), 428 Market, San Francisco, Cal.
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
Jefferson Elec. Mfg. Co., 847 W Harrison, Chicago, Ill.
Kilbourne & Clark Mfg. Co., Seattle, Wash.
Lowenstein Radio Co., Inc., 397 Bridge, Brooklyn, N. Y.
**MANHATTAN ELECTRICAL SUPPLY CO.**, 17 Park pl, New York
*See adv index at end of book*
Martin Vibroplex & Mecograph Co., 253 B'way, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Mignon Wireless Corp., Elmira, N. Y.
Murdock W. J. Co., Chelsea, Mass.
National Electric Signaling Co., Farmers' Bank bldg, Pittsburgh, Pa.
Pittsburgh Wireless Equipment Co., Ridgway, Pa.
Radio Apparatus Co., Pottstown, Pa.
Radio Apparatus Co., Parkway bldg, Phila., Pa.
Radio Corporation of America, 233 Broadway, New York
Ritchie E. S. & Sons, Brookline, Mass.
Turney Eugene T. Co., 2595 3d av, New York
Wireless Improvement Co., 81 New, N. Y.
Wireless Mfg. Co., Canton, O.
Wireless Specialty Apparatus Co., C. & Fargo, Boston, Mass.
Woodside Elec. Shops Co., Homer pl, Metuchen, N. J.

## 6647— Insulating Asphalt

Byerly & Sons ("Byerlyte"), 2489 W 4th, Cleveland, O.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Standard Asphalt & Rubber Co. ("Sarco" Asphalt Gum), 208 S La Salle, Chicago, Ill.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Texas Company, 17 Battery pl, New York City
*See adv index at end of book*
Warren Chemical & Mfg. Co., 17 Battery pl, New York
Watson H. F. Co., Erie, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 6647a— Insulating (Brick)

Celite Products Co., 11 B'way, New York
Didier-March Co. (Kieselguhr), (Insulating Brick), Perth Amboy, N. J.

## 6647b—*Insulating Material)

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## Insulating Press Boards

See Press Boards

## 6648—Insulating Rubberized Asbestos

Boonton Rubber Co., Boonton, N. J.

## 6649—Insulating Saddle Staples

American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.

## Insulating Solder, Paste, Salts, Etc.

See Soldering Flux, Paste, Salts & Stick

## 6649a—Insulation (Alignum Electric)

Alignum Fireproof Products Co. (Cold Storage & Refrigeration), So. River, N. J. & 356 Lexington av, New York
*See adv index at end of book*

## 6649b—*Insulation (Armature)

**NAT'L FIBRE & INSULATION CO.**, Yorklyn, Del.
Rogers Fibre Co., 121 Beach, Boston Mass.
*See adv index at end of book*

## 6650—Insulation (Cold Storage & Refrigerator)

All Roofing Mfg. Co., East St. Louis, Ill.
American Balsa Co., Inc. ("Balsalation"), 50 E 42nd, New York
Armstrong Cork & Insulation Co. ("Nonpariel," "Acme" & "Eureka" Corkboard; also Granulated Cork), 24th & A. V. R.R., Pittsburgh, Pa.
Banner Rock Products Co., Alexandria, Ind.
Barrett Co. (Insulating Rope), 17 Battery pl, New York
Bohn Refrigerator Co., 340 Universal av., St. Paul, Minn.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Celite Products Co., 11 B'way, New York
Celite Products Co., Van Nuys bldg, Los Angeles, Cal.
Cork Insulation Co. ("Excelsior," Corkboard), Jersey City, N. J.
Federal Asbestos Co., Milwaukee, Wis.
General Insulating & Mfg. Co., Central Nat'l Bank bldg, St. Louis, Mo.
Hydrex Felt & Engineering Co., 120 Liberty, New York
Johns-Manville H. W. Co. ("Keystone" Hair, Sheet Cork, Granulated Cork, Hair Felt), Madison av & 41st, New York
National Insulating & Mfg. Co., Indianapolis, Ind.
Northern Insulating Co. ("Flaxlinum"), St. Paul, Minn.
Union Fibre Co., Inc. ("Linofelt," Waterproof Lith & Cork Boards), Winona, Minn.
Union Insulating & Construction, 20 W Jackson blvd, Chicago, Ill.
*See adv index at end of book*

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U. S. Gypsum Co. ("Pyrobar" Gypsum Tile), 205 W Monroe, Chicago, Ill.
U. S. Mineral Wool Co., 280 Madison av, New York
Watson H. F. Co., Erie, Pa.

## 6651-2— Insulation (Cork)

Armstrong Cork & Insulation Co. ("Nonpareil," "Acme" & "Eureka" Corkboard & Granulated Cork), 24th & A. V. R.R., Pittsburgh, Pa.
Banner Rock Products Co. ("Rock"), Alexandria, Ind.
Cork Insulation Co. ("Excelsior" Corkboard), Jersey City, N. J.
Federal Asbestos Co. (Cork Board), Milwaukee, Wis.

Union Fibre Co., Inc. ("Union" Cork Board), Winona, Minn.
Union Insulating & Construction Co., 20 W. Jackson blvd, Chicago, Ill.
*See adv index at end of book*
United Cork Cos. ("Star," "Crescent"), 50 Church, New York

## 6653— Insulation (Electrical)

Cronkhite Co., Inc., 185 Devonshire, Boston, Mass.
*See adv index at end of book*

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Electrical Insulation
The Cronkhite Co., Inc., Boston


## Insulation (Hair Felt)

See Felts, Hair

## 6654— Insulation (Horn)

Diamond State Fibre Co. ("Disfico"), Bridgeport, Pa.

## 6655—Insulation (Moulded Heat-Proof)

American Hard Rubber Co., 9 Mercer, New York
American Insulator Co., Inc., New Freedom, Pa.
American Synthite Co. (Synthyte Ingredients), 30 Church, New York
Auburn Button Works, Auburn, N. Y.
Belden Mfg Co., 2316 S Western av, Chicago, Ill.
Bonnite Insulator Co., 225 Murray, Newark, N. J.
**Boonton Rubber Co. ("Bakelite"), Boonton, N. J.**
**Condensite Co. of America, Bloomfield, N. J.**
Continental Fibre Co. (Sheet, Rod & Tube), Newark, Del.
*See adv index at end of book*
Cutler-Hammer Mfg. Co., 12th & St. Paul Milwaukee, Wis.
***See adv index at end of book***
Dane Mfg. Co., 333 6th av, Newark, N. J.
Diamond State Fibre Co., Bridgeport, Pa.
**Duranoid Mfg. Co., 213 Chestnut, Newark, N. J.**
Elec Railway Equipment Co., Cincinnati, O.
**Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.**
Formica Insulation Co., 3240 Spring Grove, Cincinnati, O.
Garfield Mfg Co., Garfield, N. J.
**General Bakelite Co., 2 Rector, New York**
**General Insulate Co. ("Insulate" Rubber Substitute), 1008 Atlantic av, Brooklyn, N. Y.**
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp. ("Sternoid" & "Sterno-Condensite" Electric), 25 W 45th, New York
Johns-Manville H. W. Co. (Electrobestos), Madison av & 41st, New York
Johns-Pratt Co., Hartford, Conn.
Luzerne Rubber Co., Trenton, N. J.
Macallen Co., 16 Macallen, Boston, Mass.
Nat'l Lead Co., 111 B'way, New York
**Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.**
Northern Industrial Chemical Co., 11 Elkins, South Boston, Mass.
Pathe Freres Phonograph Co., 20 Grand av, Bklyn, N. Y.
Pouvailsmith Corp., Poughkeepsie, N. Y.
Premier Rubber & Insulation Co., Dayton, O.
**Redmond Chemical Products Co., 636 W 22, Chicago, Ill.**
Remy Electric Co. ("Bakelite"), Anderson, Ind.
Scranton Button Co., Scranton, Pa.
Shaw Insulator Co., 5 Kirk pl, Newark, N. J.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Specialty Insulation Mfg. Co., Hoosick Falls, N. Y.
Stokes Jos. Rubber Co., Trenton, N. J.
**WATERBURY BUTTON CORPORATION,** 831 So. Main, Waterbury, Conn.
*See adv index at end of book*
Watertown Mfg. Co., Watertown, Conn.
Westinghouse Elec & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

## 6656—Insulation (Rail Joint)

American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.
Nat'l Fibre & Insulation Co., Yorklyn, Del.
**Standard Fibre Co., Miller St., Somerville, Mass.**
Wilmington Fibre Specialty Co., Wilmington, Del.
*See adv index at end of book*

## 6657—Insulation (Refrigerator Car)

Bohn Refrigerator Co., 1340 Universal av, St. Paul, Minn.
Northern Insulating Co. ("Flaxlinum" a Fibre), St. Paul, Minn.

## 6657a-1—*Insulation (Rod)

**CONTINENTAL FIBRE CO.** ("Bakelite-Dilecto"), Newark, Del.
*See adv index at end of book*

## 6657a— *Insulation (Sheet)

**CONTINENTAL FIBRE CO.** ("Bakelite-Dilecto" & "Continental-Bakelite"), Newark, Del. *See adv index at end of book*

## 6657—Insulation (Special Shapes to Order)

Delaware Hard Fibre Co., Wilmington, Del.; Works, Marshallton, Del.
*See adv index at end of book*
Formica Insulation Co. ("Formica"), 3240 Spring Grove av, Cinn., O.

## 6658—Insulation (Switch Rod)

**CONTINENTAL FIBRE CO.** ("Bakelite-Dilecto"), Newark, Del.
*See adv index at end of book*


# BAKELITE-DILECTO

*AN INSULATING MATERIAL WHICH WILL NOT DISAPPOINT YOU*

It will stand up under the most severe tests, and still remain a perfect insulator. For instance, the ozone from high voltage electrical apparatus quickly ruins hard rubber, but has absolutely no effect on **BAKELITE-DILECTO.** Neither do weather changes affect it.

It is a very versatile material and can be used in a thousand and one insulating forms. It is supplied by us in Sheets, Tubes and Rods, or Machine into most any form specified. We are large manufacturers of Vulcanized Fibre in Sheets, Rods and Tubes, and of Conite, a thin Insulation furnished in Sheets or Rolls from .005″ to .020″ thick.

A booklet describing all of our products will be sent upon request.

Manufactured by

## THE CONTINENTAL FIBRE COMPANY

**NEWARK, DELAWARE**

New York Office: 233 Broadway Chicago Office: 332 S. Michigan Ave. Pittsburgh Office: 301 Fifth Ave.
San Francisco Office: 525 Market St. Los Angeles Office: 411 S. Main St
Canadian Office: Corner King & Yonge Sts. Toronto, Ontario.

Spaulding HARD FIBRE

MADE IN SHEETS, RODS, TUBES *and* SPECIAL SHAPES,

RED, BLACK AND GREY COLORS.

A SUPERIOR INSULATOR ALSO USED FOR

WASHERS, GEAR BLANKS, PACKING, ROLLERS, TRUCK WHEELS, VALVES, HANDLES, BUSHINGS, ETC.

*Write for descriptive literature*

J. SPAULDING & SONS CO., Inc.

TONAWANDA, N. Y.
SUBURB OF BUFFALO

INSULATION (SWITCH ROD)—continued

Nat'l Fibre & Insulation Co., Yorklyn, Del.
Spaulding J. & Sons Co., Inc., P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*
Standard Fibre Co., Miller st, Somerville, Mass.

## 6659— Insulation (Track)

**CONTINENTAL FIBRE CO.** ("Continental-Bakelite"), Newark, Del.
*See adv index at end of book*
Delaware Hard Fibre Co., Wilmington, Del.; Works: Marshallton, Del.
*See adv index at end of book*
Nat'l Fibre & Insulation Co., Yorklyn, Del.
Spaulding J. & Sons Co., Inc. (Hard Fibre), P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*
**Standard Fibre Co., Miller St., Somerville, Mass.**
**Whall C. H. Co. ("Whall's" Fibre), 170 Summer, Boston, Mass.**

## 6659a— Insulation (Tube)

**CONTINENTAL FIBRE CO.** ("Bakelite-Dilecto"), Newark, Del.
*See adv index at end of book*

## 6660— *Insulator Clamps

General Elec. Co., Schenectady, New York
*See adv index at end of book*

## 6661—Insulator Pins & Brackets

American Line Materials Co., 332 S Michigan av, Chicago, Ill.
Barden Electric & Machinery Co., Houston, Tex.
Bissell F. Co., Toledo, O.
Blue Ridge Locust Pin Co., Dillsboro, N. C.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
**BONNEY VISE & TOOL WKS., INC.** (Electric), Allentown, Pa.
*See adv index at end of book*
Brady Electric Mfg. Co. (Steel), New Britain, Conn.
Call Clarence (Locust), No. Wilkesboro, N. C.
Central Lumber Co., Chattanooga, Tenn.
Central Telephone & Elec. Co. ("Bois d'Arc"), 310 N. 11th. St. Louis, Mo.
Cohn & Bock Co. (Wood), Princess Anne Md.
Cottage Planing Mill Co., Everett, Pa.
Creaghead Engineering Co. ("Creaghead," Malleable Iron), 340 Main, Cincinnati, O.
**DIAMOND EXPANSION BOLT CO.** ("Ajax"), 89 West, New York
***See adv index at end of book***
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Electrical Construction Supply Co. ("Chubbuck"), Springfield, O.
Electrical Material Co. ("Hivol," "Mabir"), 618 Jackson blvd, Chicago, Ill.
Electrose Mfg. Co. ("Electrose," Insulator Pins, etc), Washn & Plymouth, Brooklyn, N. Y.
Endsley J. W. (Wood), Somerfield, Pa.
Estes E. B. & Sons (Pins), 364 5th av, New York *See adv index at end of book*
Gravely B. F. & R. P. (Locust Pins, etc), Martinsville, Va.
Hallett Iron Works (Steel), Harvey, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hubbard & Co. (Steel), 63rd & Butler, Pittsburgh, Pa.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Joslyn Mfg. & Supply Co. (Wood), Chamber of Commerce bldg, Chicago, Ill.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
L. F. Manfg. Co. (Screw & Foot Type), 426 Hoboken av, Jersey City, N. J.
**Line Material Co., So. Milwaukee, Wis.**
**Locke Insulator Mfg. Co. (Iron), Victor, N. Y.**
**Locust Pin Co. (Locust Pins), Front Royal, Va.**
Marcus Harris & Sons Co. (Wood), Muscoda, Wis.
Minerallac Electric Co. ("Unity" Wood), 1045 Washington blvd, Chicago, Ill.
Mueller Wm. & Co. (Wood), 332 S Michigan, Chicago, Ill.
National Pin & Bracket Co., North Vernon, Ind.
Oliver Iron & Steel Co. (Steel), S 10th & Muriel, Pittsburgh, Pa.
Petertyl Victor (Wood), Traverse City, Mich.
Pettingell-Andrews Co. ("Exemplar"), 166 Pearl, Boston, Mass.
Phila. Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
Pilliod Lumber Co. (Wood), Swanton, O.
Ridlon Frank Co. ("Rogers," Bracket), 251 A, Boston, Mass.
Robinia Pin Co. (Locust Pins), Shippensburg, Pa.
Steel Car Forge Co. (Steel), Frick bldg, Pittsburgh, Pa.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Texas Arm & Pin Co. (Wood), Beaumont, Tex.
U. S. Bobbin & Shuttle Co. (Wood), 57 Eddy, Providence, R. I.
Valley Forging Co. ("Pittsburg" Steel Cross Arm & Pole Top Pins), Verona, Pa.
Vreeland B. F. (Wood), Denver, Colo.
Wiebel L. H. (Wooden), Hagerstown, Md.

## 6661a—*Insulator (Pins Metal)

**BONNEY VISE & TOOL WKS., INC.,** Allentown, Pa.
*See adv index at end of book*

## 6662— Insulator Supports

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Efficiency Electric Co. (Adjustable & Non-Adjustable), E. Palestine, Ohio.
Electrical Engineer Equipment Co. (All Voltages Up to 110,000), 711 Meridian, Chicago, Ill.
Steel City Electric Co. ("Universal" for Steel Work), 1207 Columbus av, Pittsburgh, Pa.

## 6663—Insulators (Arc Lamp)

Insulators or Hangers

Ayer F. H. Mfg. Co., Chicago Heights, Ill.
Brady Elec. Mfg. Co., New Britain, Conn.
Commercial Electrical Supply Co., St. Louis, Mo.
Creaghead Engng. Co., 340 Main, Cincinnati, O.
Cutter Geo. Co. ("Cutter's"), High Voltage, South Bend, Ind.
Elec. Railway Equipment Co., Cincinnati, Ohio
Electrical Constr. Supply Co., Springfield, Ohio
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Fletcher Mfg. Co., Dayton, O.
**GENERAL ELECTRIC CO.** (Hangers), Schenectady, N. Y.
*See adv index at end of book*
Harrison Electric Co., 411 Van Brunt, Brooklyn, N. Y.
Hebendahl J. P. Co., Elizabeth, N. J.
Hemming Mfg. Co., Garfield, N. J.
High Tension Elec. Spec. Co., Newton, Mass.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Johns-Manville H. W. Co. (Moulded), Madison av & 41st, New York
Johns-Pratt Co., The ("Moulded Mica" Stud & Straight Hanger), Hartford, Conn.
Line Material Co. ("Kyle"), S Milwaukee, Wis.
Lundin Elec. & Mach. Co., 10 Thatcher, Boston, Mass.
Macallen Co., 16 Macallen, S. Boston, Mass.
Metropolitan Engng. Co., 1250 Atlantic av, Brooklyn, N. Y.
Morris Iron & Steel Co., Frederick, Md.
National Sewing Mach. Co., Belvidere, Ill.
Phila. Elec'l & Mfg. Co., 1236 N 31st, Phila., Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 6664— Insulators (Canopy)

Bechtold E. E. ("E. E. B."), 1928 Wabash av, Chicago, Ill.
Dale Lighting Fixture Co., 107 W 13th, New York
Macallen Co., 16 Macallen, South Boston, Mass.
Mica Insulating Co. ("Young"), 68 Church, New York
Mitchell, Vance Co., 507 W 24th, New York
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.**
*See adv index at end of book*
Wilmington Fibre Specialty Co., Wilmington, Del. *See adv index at end of book*

## 6665—Insulators (Cross-over)

Cook Pottery Co. (Wedge Porcelain), Trenton, N. J.

## 6666—Insulators (Feed Wire)

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*

## Insulators (Fibre)

See Fibre, Hard

## 6667— Insulators (Glass)

Brookfield Glass Co. ("Brown," "Columbia," "Mershon," "Edison," "Jumbo," Telephone, Telegraph & Electric Light), 2 Rector, New York
Cumberland Glass Mfg. Co., Bridgeton, N. J.
Hemingway Glass Co., Muncie, Ind.
Hemingray Glass Co. ("Muncie Type," "Triple Peticoat," "Prove Type", Covington, Ky.
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Locke Insulator Mfg. Co. ("Boro-Silica," Suspension & Pin Type), Victor, N. Y.
Rodefer Glass Co., The (For High Tension Electric Cables), Bellaire, O.
*See adv index at end of book*
Whitall-Tatum Co., 410 Race, Phila., Pa.

## 6668— Insulators (Hair)

Johns-Manville H. W. Co. ("Keystone"), Madison av & 41st, New York
Keystone Hair Insulator Co., 1243 Spring Garden, Philadelphia, Pa.

## 6669— Insulators (Lava)

American Lava Corp. ("Alco"), Chattanooga, Tenn.
*See adv index at end of book*

## 6670—Insulators (Mine Feeder Wire)

Sackett Mine Supply Co., 164 N 3d, Columbus, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 6671—Insulators (Moulded Mica)

Johns-Pratt Co., The (Wireless, Trolley Wire, Guy Wire, Telephone & Telegraph), Hartford, Conn.
Macallen Co., 16 Macallen, So. Boston, Mass.
New England Mica Co., Waltham, Mass.

## Insulators (Paper, for Cables)

See Sleeves, Paper

## 6672—Insulators (Porcelain or Clay)

Akron Smoking Pipe Co. (Clay & Porcelain Tubes), Mogadore, O.
Anderson Albert & J. M. Mfg. Co., (Porcelain Strain), 289 A., Boston, Mass.
Colonial Sign & Insulator Co. ("Poke" Telephone), Akron, O.
Cook Pottery Co. (Porcelain), Trenton, N. J.
Davidson & Stevenson Porcelain Co., East Liverpool, O.
Electric Porcelain & Mfg. Co. (Of All Kinds), Trenton, N. J.
Freeman E. H. Electric Co. (Porcelain), Trenton, N. J.
Hartford Faience Co. (Porcelain), Hartford, Conn.
Imperial Porcelain Works (Porcelain, Transmission), Trenton, N. J.
Jeffery-Dewitt Insulator Co., Kenova, W. Va.
Locke Insulator Mfg. Co., Victor, N. Y.
Mich. Porcelain Insulator Co., Hastings, Mich.
National Porcelain Co., Trenton, N. J.
**OHIO BRASS CO.** ("O-B" Porcelain Only), Mansfield, O.
*See adv index at end of book*
Pass & Seymour, Solvay, N. Y.
Pitsburgh High Voltage Insulator Co. (Porcelain High Screw Voltage), Derry, Pa.
Snyder Hunt Co., Belle Plaine, Iowa.
Star Porcelain Co., East Liverpool, O.
Trenton Porcelain Co., Trenton, N. J.
Union Electrical Porcelain Works, Trenton, N. J.
Union Porcelain Works (Porcelain), 300 Eckford, Brooklyn, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
White T. C. Co. (Porcelain), 1122 Pine, St. Louis, Mo.

## 6673— Insulators (Strain)

See also Trolley Line Materials

Creaghead Engng. Co. ("Bourbon"), 340 Main, Cincinnati, O.
Electric Service Supplies Co. ("Keystone Giant"), 17th & Cambria, Phila., Pa.
Elec. Railway Equipment Co. ("Hercules"), Cincinnati, O.
Electrose Mfg. Co. ("Electrose," "Safety," "Disc," Thimble, Hood, Spool & Rod Type Insulators & Insulating Strains), 70 Washington, Brooklyn, N. Y.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
General Insulate Co., 1008 Atlantic av, Brooklyn, N. Y.
Jeffery-Dewitt Co., Butler av & Grand Trunk Ry, Detroit, Mich.
Jeffery-Dewitt Insulator Co. (J. D. Rugged Type High Tension), Huntington, W. Va.
Jeffrey-Dewitt Insulator Co., Kenova, W. Va.
Johns-Manville H. W. Co., 41st & Madison av, New York
Johns-Pratt Co., The ("Moulded Mica" Wood), Hartford, Conn.
Line Material Co., S. Milwaukee, Wis.
Locke Insulator Mfg. Co. ("Victor"), Victor, N. Y.
Macallen Co., 16 Macallen, So. Boston, Mass.
Mathias-Hart Co., 516 Atlantic av, Boston, Mass.
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*
Pass & Seymour, Solvay, N. Y.
Phila. Electrical & Mfg. Co. ("Pemco," Wood), 1236 N 31st, Phila., Pa.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pitsburgh, Pa.
*See adv index at end of book*
White T. C. Co. (Porcelain), 1122 Pine, St. Louis, Mo.

## 6674— Insulators (Swinging)

Line Material Co., So. Milwaukee, Wis.

## 6675—Insulators (Third Rail)

See also Trolley Line Materials

Ajax Electrical Co., 56 Baldwin av, Jersey City, N. J.
Akron Smoking Pipe Co., Mogadore, O.
American Vulcanized Fibre Co. (Fibre), 504 Equitable bldg, Wilmington, Del.
Anderson Albert & J. M. Mfg. Co. ("Aetna"), 289 A, Boston, Mass.
Colonial Sign & Insulator Co. (Clear & Semi-Porcelain), Akron, O.
**CONTINENTAL FIBRE CO.** ("Bakelite-Dilecto"), Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*
Diamond State Fibre Co. (Hard Fibre), Bridgeport, Pa.
Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
Electrose Mfg. Co. ("Electrose"), 70 Washington, Brooklyn, N. Y.
**GILBERT-GRANT CO.** (For Monorail Track), Grand Central Terminal, New York *See adv index at end of book*
Hemming Mfg. Co., Garfield, N. J.
Johns-Manville H. W. Co., Madison av & 41st, New York
National Fibre & Insulation Co. (Fibre), Yorklyn, Del.
**OHIO BRASS CO.** (Semi-Porcelain), Mansfield, O. *See adv index at end of book*
Shaw Insulator Co., 5 Kirk pl., Newark, N. J.
**Standard Fibre Co. (Hard Fibre), Miller St., Somerville, Mass.**
Thomas R. & Sons Co. (Porcelain), East Liverpool, O.
**WILMINGTON FIBRE SPECIALTY CO.,** ("Fyberoid"), Wilmington, Del.
*See adv index at end of book*

## 6676—Insulators (Tree & Wall)

Anderson Albert & J. M. Mfg. Co., 289 A, Boston, Mass.
Brodie Elec'l & Auto Co., Manchester, N. H.
Brookfield Glass Co., 2 Rector, New York
Cutter Geo. Co., South Bend, Ind.
Cutter Scott C. ("Scott Cutter" Glass), Oswego, Ill.
Fletcher Mfg. Co., Dayton, O.
General Insulate Co., 1008 Atlantic av, Brooklyn, N. Y.
General Phonograph Corp., 25 W 45th, New York.
International Insulating Corp, 25 W 45th, New York
Line Material Co. ("Ajax"), So Milwaukee, Wis.
Marlatt S., Richmond, Ind.
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*
Ridlon Frank Co. ("Rogers," Tree), 251A Boston, Mass.
U. S. Gypsum Co., 205 W Monroe, Chicago, Ill.
Wetmore-Savage Co., 76 Pearl, Boston, Mass.

## 6677—Insulators (Trolley Wire Section)

Elec. Railway Equipment Co., Cincinnati, Ohio
Flood City Mfg. Co. ("H. H." for Mine Section), Johnstown, Pa.
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*

## 6678— Insurance (Accident)

**Aetna Life Insurance Co., Hartford, Conn.**
**American Fidelity Co., Montpelier, Vt.**
Casualty Co. of America, 298 B'way, New York
Employers' Liability Assurance Corporation (Ltd.), of London, England, Samuel Appleton, Manager & Attorney for U. S., 33 Broad, Boston, Mass.
Fidelity & Casualty Co., 97 Cedar, New York
General Accident Insurance Co., 421½ Walnut, Phila., Pa.
London Guarantee & Accident Co., 134 La Salle, Chicago, Ill.
Maryland Casualty Co., Balto & Guilford, Baltimore, Md.
**New Amsterdam Casualty Co., 59 John, New York**
North American Accident Insurance Co., 209 S La Salle, Chicago, Ill.
Ocean Accident & Guarantee Corp., 59 John, New York
**Philadelphia Casualty Co., 419 Walnut, Phila., Pa.**
Preferred Accident Ins. Co., 80 Maiden la, New York
Standard Accident Ins. Co., 35 W. Fort, Detroit, Mich.
Travelers Insurance Co., Hartford, Conn.
U. S. Casualty Co., 80 Maiden la, New York

## 6679—Insurance (Employers' Liability)

**Aetna Life Insurance Co., Hartford, Conn.**
American Fidelity Co., Montpelier, Vt.
Casualty Co. of America, 298 B'way, New York
Employers' Liability Assurance Corporation (Ltd.), of London, England, Samuel Appleton, Manager & Attorney for U. S., 33 Broad, Boston, Mass.
Fidelity & Casualty Co., 97 Cedar, New York
General Accident Insurance Co., 421½ Walnut, Phila., Pa.
London Guarantee & Accident Co., of London, England, 55 John, New York
Maryland Casualty Co., Balto & Guilford, Baltimore, Md.
New Amsterdam Casualty Co., 59 John, New York
Ocean Accident & Guarantee Corp., 59 John, New York
Travelers Insurance Co., Hartford, Conn.
U. S. Casualty Co., 80 Maiden la, New York
U. S. Fidelity & Guaranty Co., Calvert & Redwood, Baltimore, Md.

## Insurance (Health)

See Insurance, Accident

## 6680—Insurance (Indemnity Bond)

American Bonding Co. of Baltimore, Fidelity bldg, Baltimore, Md.
American Fidelity Co., Montpelier, Vt.
American Surety Co., 100 B'way, New York
Employers' Liability Assurance Corporation (Ltd.), of London, England, Samuel Appleton, Manager & Attorney for U. S., 33 Broad, Boston, Mass.
Fidelity & Casualty Co., 97 Cedar, New York
Fidelity & Deposit Co., Fidelity bldg, Baltimore, Md.
Guarantee Co. of North America, 111 B'way, New York
National Surety Co., 115 B'way, New York, & The Rookery, Chicago, Ill.
Ocean Accident & Guarantee Corp., 59 John, New York
Pacific Surety Company, 341 Montgomery, San Francisco, Cal.
Travelers Insurance Co., Hartford, Conn.
U. S. Fidelity & Guaranty Co., Calvert & Redwood, Baltimore, Md.

## 6681—Insurance & Inspection (Elevator)

See also Insurance, Indemnity Bond
Travelers Insurance Co., Hartford, Conn.

## 6682—Insurance & Inspection (Steam Boiler)

Employees' Indemnity Co. of Philadelphia, 331 Walnut, Phila., Pa.
Fidelity & Casualty Co., 97 Cedar, New York
Hartford Steam Boiler Inspection & Insurance Co., Hartford, Conn.
Maryland Casualty Co., Balto. & Guilford, Baltimore, Md.
Ocean Accident & Guarantee Corp., 59 John, New York

INSURANCE & INSPECTION (STEAM BOILER)—continued
Pacific Surety Company, 341 Montgoomery, San Francisco, Cal.
**Philadelphia Casualty Co., 419 Walnut, Phila., Pa.**
Travelers Insurance Co., Hartford, Conn.
U. S. Casualty Co., 80 Maiden la, New York

## 6683— Intensifiers

Bethlehem Steel Co., South Bethlehem, Pa.
**Chambersburg Engineering Co., Chambersburg, Pa.**
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
Mackintosh-Hemphill Co. (Hydraulic), ft. of 12th, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**MORGAN ENGINEERING CO.** (Hydraulic), Alliance, O.
*See adv index at end of book*
National Steam Spec. Co. (Heat) ("National B"), 16 S Clinton, Chicago., Ill.
United Engineering & Foundry Co. (Air, Hydraulic & Steam. Compound or Double), Keenan bldg., Pittsburgh, Pa.
Wood R. D. & Co. (Hydraulic, Single & Multiple), 400 Chestnut, Phila., Pa.

## 6684— Intercoolers (Air)

**GRISCOM-RUSSELL CO.** ("Multwhirl"), 92 West, New York.
*See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

## Interior Building Trim (Steel, Bronze, Etc.)

See Interior Trim, Hollow **Metal**

## 6685—Interior Finish (Wholesale Mfrs.)

See also Interior Hardwood Work Manufacturers & Erectors

**Alignum Fireproof Products Co., Inc. (Fireproof)**, So. River, N. J. & 356 Lexington, New York.
*See adv index at end of book*
American Sash & Door Co., Kansas City, Mo.
Armstrong Landon Co., Kokomo, Ind.
Baltimore Sash & Door Co., cor. Howard & West, Baltimore, Md.
Basic Mfg. Co., Wilmington, Del.
Bardwell-Robinson Co., 24th av, N & 2nd, Minneapolis, Minn.
Bloom Alfred Co., Omaha, Neb.
Brockway-Smith Corp., 98 Canal, Boston, Mass.
Brown Co., Portland, Me.
California Mfg. Co., 2243 S Troy, Chicago, Ill.
Calmar Mfg. Co., Calmar, Ia.
Carter Mfg. Co., Keokuk, Ia.
Central Sash & Door Co., Topeka, Kan.
Central Wood Turning Co. (To Order Only), 610 Main, N E, Minneapolis, Minn.
Champlain Mfg. Co., Burlington, Vt.
Commercial Sash & Door Co., 494 S Paulina, Chicago, Ill.
Cream City Sash & Door Co., 601 Park, Milwaukee, Wis.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Curtis Bros. & Co., Clinton, Ia.
Curtis & Yale Co., Wausau, Wis.
Cypress Lumber Co. (Wholesale Mfrs.), 88 Broad, Boston, Mass.
Dudley Sash, Door & Lbr. Co., Columbus, Ga.
Edmunds Mfg. Co., 1220 S Robey, Chicago, Ill.
**Enochs Lumber & Mfg. Co., Jackson, Miss.**
**Farley & Loetscher Mfg. Co., Dubuque, Ia.**
**Fitzgerald, Speer Co., Pen Argyle, Pa.**
**Gauger Jno. A. & Co., 1434 W 22d, Chicago, Ill.**
Gordon, Vantine Co., Davenport, Ia.
**Gould Mfg. Co., Oshkosh, Wis.**
Grand Rapids Lumber Co., Grand Rapids, Mich.
Gravois Planing Mill Co., Minnesota & Juniata, St. Louis, Mo.
Gribben Lumber Co., Chicago & Walker, St. Paul, Minn.
Hafner Mfg. Co., Main & Dock, St. Louis, Mo.
Hardin D. Co., Saginaw, Mich.
Hilgen Mfg. Co., Cedarburg, Wis.
Hurst Sash & Door Co. ("Hurco"), Grand Island, Neb.
Huttig Mfg. Co., Muscatine, Ia.
Huttig Mill Wk. Co., Kansas City, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Indiana Lumber & Mfg. Co., South Bend, Ind.
**Iroquois Door Co., Buffalo, N. Y.**
**Kaaz Mfg. Co., Atchison, Kan.**
Kertscher & Co., Elmira, N. Y.
Knoxville Lumber & Mfg. Co. (For Trade Only), Knoxville, Tenn.
Kuebler J. M. Co., Wausau, Wis.
**Kuhn Sash & Door Co., 204 N E 7th, Minneapolis, Minn.**
Kurtz Bros., Bethlehem, Pa.
Lecoutour Bros. Stair Mfg. Co., 4523 Shaw av, St. Louis, Mo.
Lestershire Lbr. & Box Co., Lestershire, N. Y.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
**Luick Bros. & Co., Ann Arbor, Mich.**
McClelland T. W. Co., Davenport Ia.
McMillen R. Co., Oshkosh, Wis.
McPhee & McGinnity Co., Denver, Colo.
Menasha Mfg. Co., Menasha, Wis.
Morgan Co., Oshkosh, Wis.
Murray & Hill Co. (Hardwood & Cabinet Work), 138 St. Nicholas av, New York
Nauman Co., Waterloo, Ia.
Nelson Lumber & Mfg. Co., 372 Dublin av, Columbus, O.
North Vernon Lumber Co., North Vernon, Ind.
Northwestern Lumber Co., Stanley, Wis.
Osgood & Blodgett Mfg. Co., E 7th & Duluth, St. Paul, Minn.
**Paine Lumber Co. (Ltd.), Oshkosh, Wis.**
Peck J. S. & Son, Cardington, O.
Preston W. A., Benton Harbor, Mich.
Pyrone Process Co., 20 E Gay, Columbus, Ohio
Radford Sash & Door Co., 1827 Prairie av, Chicago, Ill.
Reaugh Construction Co., 2835 E 51st Cleveland, O.
**Redwood Mfrs. Co., Oakland, Cal.**
Rhinesmith & Simonson, Fort Wayne, Ind.
Riggs Cypress Co. (Ltd.), (Cypress), Patterson, La.
**ROBERTS SASH & DOOR CO.**, 920 W 20th, Chicago, Ill.
Rock Island Sash & Door Works, Rock Island, Ill.
Rockwell Mfg. Co., 572 Park, Milwaukee, Wis.
**Roehr Co., Bucyrus, O.**
**St. Croix Paper Co. (& White Pine Siding), 244 Washington, Boston, Mass. Mills: Woodland, Me.**
St. Louis Sash & Door Works, B'way & Destrehan, St. Louis, Mo.
Scott-Graff Lumber Co., Duluth, Minn.
**Seattle Cedar Lumber Mfg. Co., Seattle, Wash.**
Springfield Planing Mill, Lumber & Construction Co., Springfield, Mo.
Standard Sash & Door Co., 5089 Racine av, Chicago, Ill.
Stearns A. T. Lumber Co., 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Stillwater Mfg. Co., Stillwater, Minn.
Stone R. B. & Co., Spencer, Mass.
Stuhlmiller Mantel Works, Buffalo, N. Y.
Thomas Jos. & Son, Leadenhall & Henrietta, Baltimore, Md.
Uhrich Mill Work Co. (Specializing Cabinet Trim), Independence, Kan.
Veit Mfg. Co., Grand Rapids, Mich.
Wabash Cabinet Co., Wabash, Ind.
Waccamaw Lumber Co., Bolton, N. C.
Warlick Lumber Co., Gilkey, N. C.
Washburn, Williams & Co., Scranton, Pa.
West Woodworking Co., 308 N Ada, Chicago, Ill.
West Virginia Lbr. Co., First Nat'l Bank bldg, Pittsburgh, Pa.
Whatcom Falls Mill Co. (Red Cedar), Bellingham, Wash.
**Wheeler-Osgood Co.** (Yellow Fir), Tacoma, Wash.
**Whitmer-Jackson Sash & Door Co., 1996 W 3rd, Cleveland, O.**
**Williams & Hunting Co., Cedar Rapids Ia.**

## 6686—Interior Hardwood Work (Mfrs. & Erectors)

American Car & Foundry Co. (Jackson & Sharp Plant), Wilmington, Del.
Ammann Mfg. & Const. Co., 155 Av D, New York
Ayers-Witmer Lumber Co., Niagara Falls, N. Y.
Basic Mfg. Co., Wilmington, Del.
Batavia & New York Wood-Working Co., Batavia, N. Y.
Baumgarten Wm. & Co., 715 5th av, New York
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Bush Bros., Royersford, Pa.
Calmar Mfg. Co., Calmar, Ia.
Carr-Ryder & Adams Co., Dubuque, Ia.
Carrom Co., Ludington, Mich.
**Central Wood Turning Co., 610 Main, N E, Minneapolis, Minn.**
Corlett Planing Mill Co., Napa, Cal.
**Cullen & Vaugh Co., 450 Dayton, Hamilton, O.**
Curtis Bros. & Co., Clinton, Ia.
Curtis & Yale Co., Wausau, Wis.
Carr & Baal Co., Des Moines, Ia.
Edmunds Mfg. Co., 1220 S Robey, Chicago, Ill.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Flint Geo. C. Co., 20 W 36th, New York
Fort Wayne Builders Supply Co., Fort Wayne, Ind.
Hamburger E. & Co., 139 Emerson pl., Brooklyn, N. Y.
Hayden Co., 450 Park, New York
Heise & Bruns Mill & Lumber Co., 600 S Caroline, Baltimore, Md.
**Herts Bros. Co., 20 W 57th, New York**
**Hess D. S. & Co., 3 E 40th, New York**
Hill Edwin M., 2601 Penn av, Pittsburgh, Pa.
Hofstatter Theo. & Co., 668 5th av, New York
**Hopeman Bros. Lumber & Mfg. Co., Rochester, N. Y.**
**Houston Planing Mill, Houston, Tex.**
**Houston Show Case & Mfg. Co., Houston, Tex.**
**Huttig Mfg. Co. (Wholesale Mfrs.), Muscatine, Ia.**
**Hyde-Murphy Co., Ridgway, Pa.**
**Jamestown Mantel Co., Falconer, N. Y.**
**Jobst B. J., Paxton blk., Omaha, Neb.**
**Kertscher & Co., Elmira, N. Y.**
Kimbel A. & Son, 12 W 40th, New York.
Kleeman Wm. & Co., 101 Park av, New York
Kratt George, Lorain, O.
**Kurtz Bros., Bethlehem, Pa.**
Lafayette Lumber Co., Lafayette, Ind.
Lindbech Chas., Jamestown, N. Y.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
Maclean J. S., Spring & Water, Columbus, O.
Manhattan Wood Working Co., 281 Rider av, New York
**Mansfield Lumber Co., Mansfield, O.**
Market Mfg. Co., Syracuse, N. Y.
Matthews Bros. Mfg. Co., 61 4th, Milwaukee, Wis.
Mertz's Geo. Sons, Port Chester, N. Y.
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Nelson & Co., Jamestown, N. Y.
New York Wood Working Corp., 502 E 19th, New York
**Osgood & Blodgett Mfg. Co., Duluth av & E 7th, St. Paul, Minn.**
Palen's H. W. Sons, Kingston, N. Y.
Pinches John & Sons, New Britain, Conn.
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Rambusch Decorating Co., 2 W 45th, New York
Reaugh Construction Co., 2835 E 51st, Cleveland, O.
**Rieser Ely J. & Co., 1st av & 28th, New York**
Roehr Co., Bucyrus, O.
Rummler Wm. B., 367 W 11th, New York
St. John Wood Working Co. (Stairo), Stamford, Conn.
Schaettler F., 533 W 34th, New York
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Scott-Graff Lumber Co., Duluth, Minn.
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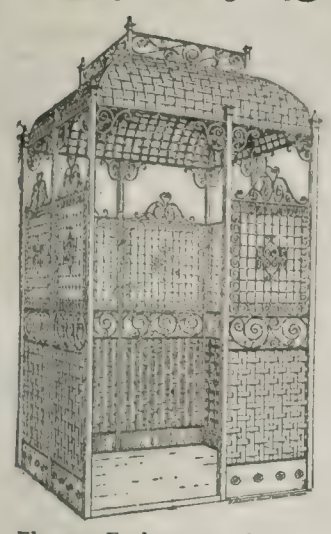

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Tiedt & Markthaler, 506 Col. av, New York.
Thomas Jos. & Son (Mfrs), Leadenhall & Henrietta, Baltimore, Md.
Tiffany Studios, 361 Madison av, New York
Trebing Mfg. Co., 1000 Center, N W. Cleveland, O.
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Weybrecht's J. T. Sons, Alliance, O.
Williamsport Planing Mill Co., Williamsport, Pa.
Wilson John T. (Est. of), Jamestown, N. Y.

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**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y.
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Dowman-Dozier Mfg. Co., Atlanta, Ga.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Knapp Bros. Mfg. Co. ("Knapp System"), 2419 W 14th, Chicago, Ill.
Zahner Metal Sash & Door Co., Canton, O.

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See also Bank & Office Fixtures Metallic
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### Interlocks (Elevator)

See Elevator Safety Locks

### 6688a— Intermediates

**BUTTERWORTH-JUDSON CORP.**, 61 B'way, New York.
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Dicks David Co., Inc., Varick & N Moore, New York.
Du Pont Chemical Wks., Wilmington, Del.
Dye Products & Chemical Co., Inc., 200 Fifth av, New York
Fergusson, Alex. C., Jr., 474 Chestnut, Phila, Pa. *See adv index at end of book*
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Industrial Chemical Co., East Providence, R. I.
Monroe Color & Chem. Co. (Coal Tar), Quincy, Ill.
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
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Verona Chem. Co., Verona av, Newark, N. J.
Western Aniline Products Co., Hammond, Ind.

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### 6688c— Iodine

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Merck & Co., 45 Park Pl., New York
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Guiterman, Rosenfeld & Co. (Imp.), 35 So William, New York

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See Steel Structural Mills

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Grilles (Wrought Iron).
Iron Railings & Fences.
Iron Stair Builders.
Jail & Cell Work (Steel).

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MONTGOMERY—*Hartley Boiler Works
Janney & Co.

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Bayer-Rothgeb Co., Stane Fe av
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Habig Geo., 2819 Stanford av
Keystone Iron Works, 37th & Sante Fe av
Llewellyn Iron Works
Union Iron Works of Los Angeles, Inc., 5215 Sante Fe av
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California Artistic Metal & Wire Co., 349 7th
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Keystone Ornamental Iron & Bronze Wks. 830 Howard
Michel & Pfeffer, 1415-1431 Harrison
Monarch Iron Works, 1159 Howard
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*Steiger & Kerr Stove & Foundry Co., 2201 Folsom
Todt & Peters, 322 Main
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West Coast Wire & Iron Works, 861 Howard
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Marshall & Fox
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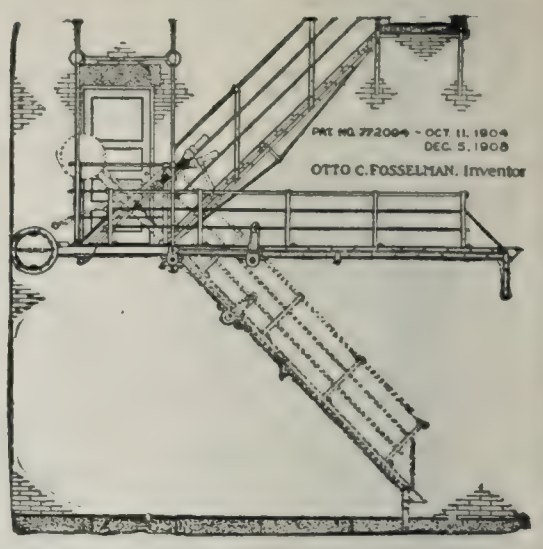


### CONNECTICUT.

BRIDGEPORT—Bridgeport Boiler Works Co.
**LEAKE A. G. ERECTING CO., INC.**
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*Pequonnock Foundry (Castings Only)
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Warner G. F. Mfg. Co.
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Snyder Frank C., 513 K, N W
Speiden Chas. E., 620 C, S E
*Union Iron Works Co., 212 12th
White F. J., 462 Maine av, S W

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Berry J. M. & L. C., 325 W Ohio
*Bolter's A. Sons, 2301 Ward
Brandes Carl, 1327 Otto
Braun J. G., 609 S Paulina, Chicago, Ill.
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*Central Arch'l Iron Works, 53 W Jackson blvd
Central Iron Works, 939 W Lake
Cerny Pickas & Co., 3321 S Crawford av
Chicago Wire, Iron & Brass Works, 2411 Belmont av.
Coleman Adelbert E., 336 W 37th
Columbia Arch'l Iron Works, 1619 Clybourne av
Columbia Wire & Iron Works (Light Iron & Wire Work), 1933 W Lake
*Dauchy Iron Works, 223 W Illinois
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Sprague Iron Wks., 318 W Austin av
Sprague E. S., 318 W Austin av
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Sullivan-Korber Co., 2437 W 21st pl
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*Carr Stuart R. & Co., Boston & Montford av
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*Dietrich Bros, cor Pleasant & Davis
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*Ham L. M. Co., 158 Portland
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LOWELL—Knapp Arthur P.
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Springfield Iron Works
Swaine John Iron Works Co.
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BISHOP J. W. CO., 109 Forster
Eastern Bridge & Structural Co., 88 Cushing
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WICKWIRE SPENCER STEEL CORP., (& Wire Forms)
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### MICHIGAN.

DETROIT—Acme Fancy Wire Works, Canfield & Moran
*Amos Charles & Co., 640 Hart av
Barnes Wire Fence Co., 552 Ferry Pk.
Barnum E. T. Wire & Iron Works, 864 Woodward
Chapper Frank Iron & Wire Works, 128 E. Fort
Daigle Iron Works, 549 W. Lafayette
*De Croupet Iron Works, 345 Monroe
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Inglis Wm. Wire & Iron Works, 61 Woodbridge E
Lewis Henry B., Ferry av & G. T. Ry
Moynahan & Duchene, 564 Porter
National Iron Works, Berlin & Beaufait
Ornamental Iron & Wire Works, 90 W. Woodbridge
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MANKATO—Mankato Mfg. Co.
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*Flour City Ornamental Iron Co. 27th st & 27th av
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*Menzel & Jeffery Co., 317 9th av
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*Minneapolis Steel & Machinery Co. (Cast, Structural & Ornamental), 2854 Minehaha av.
*Standard Foundry Co. (Builders' Castings), 984 Central av N E
Union Iron Works, Main cor 2nd av, S E
NEW PRAGUE—*New Prague Foundry Co.
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ST. PAUL—Builders Iron Works Co.
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Perkins Mfg. Co., University & Fairview avs
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*South Park Foundry & Machine Co.
Twin City Iron & Wire Works, 25 W Water
Valley Iron Works (Casting Only), 81 E Water Levee
Western Machine Mfg. Co., 443 Rosabel
WINONA—*Phenix Iron Works

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CLINTON—Industrial Iron Works (Castings, etc.)
HANNIBAL—Dildine Bridge & Iron Co.
KANSAS CITY—Kansas City Structural Steel Co.
Kansas City Wire & Iron Works
Kleeman L. F. Mfg. Co., 1923 Central
Loewer John E. Wire & Iron Works Co., 914 Campbell
Southwest Wire & Iron Works Co.
Standard Shutter & Iron Works, 2542 Belleview
Tilk Frank Ornamental Iron Works Co., 211 W 19th
*United Iron Wks., Inc.
ST. JOSEPH—Berry Iron & Steel Co.
Jamieson Machine Co.
ST. LOUIS—*Banner Iron Works, Shaw av & Oak Hill Ry
Central Wire & Iron Works, 309 Gratiot
Christopher & Simpson Iron Works Co., 9th & Park av
*Gerst Bros. Mfg. Co., 800 Cass av
Greenspon's Jos. Sons Iron & Steel Co., 67 Branch
Guerdan F. & Son, 829 S 7th
*Kaysing Iron & Foundry Co., 2521 Montgomery
Laclede Iron Works, 1547 N 9th
Lasar Ornamental Iron Co., 16th & O'Fallon
Mechanics Iron Works, 901-9 S Ewing av
*Mesker Bros. Iron Co., 421 S 6th
*Missouri Bridge & Iron Co., Fullerton bldg
Mound City Iron Works
Ornamental Wire & Iron Co., Elliott & University
Rogers-Schmitt Wire & Iron Co., 1815 N 23rd
*St. Louis Archl. Iron Co., Lesperance & De Kalb
St. Louis Brass Mfg. Co., Jefferson & Washington
St. Louis Sales Co., Chemical bldg
St. Louis Wire & Iron Co.
Schurk Iron Works, 20 S Cardinal
South St. Louis Foundry Co., 7514 S B'way
*Spuck Iron & Foundry Co., 14th & Branch
*Stupp Bros. Bridge & Iron Co., Frisco bldg.
Usona Mfg. Co., 826 S 18th
Victor Iron Works, 7th & Victor
Von der Au & Cluss Mfg. Co., 2408 S Jeff

### MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Montana Iron Works
*Western Iron Works
GREAT FALLS—Great Falls Iron Works

### NEBRASKA.

BEATRICE—Beatrice Iron Works
FREMONT—*Fremont Fdy & Machine Co.
HASTINGS—*Hastings Foundry & Iron Works
OMAHA—Champion Iron & Wire Works
Mid-West Iron Wks
*Paxton & Vierling Iron Works
Wearne Bros.
YORK—*York Foundry & Engine Works (Builders' Castings, Stairs, etc.)

### NEW HAMPSHIRE.

CONCORD—*Concord Foundry & Machine Co.

### NEW JERSEY.

BAYONNE—Clark's Iron Foundry
CAMDEN—Odlen Herman
EAST ORANGE—Collinson Joshua
ELIZABETH—Arny Chas.
*Moore S. L. & Sons
HOBOKEN—Buchholtz C. Co.
JERSEY CITY—*Fagan Iron Works, 14th
Feudtner William, 391 7th
Hamill Alex. Iron Works, 426 Montgomery
Victorsohn Morris, 199 3rd

NEW JERSEY—continued
MADISON—Force Chas. & Son
NEWARK—American Coal Chute Co. & Architectural Iron Works, 14 Buffington av
Calumet Iron Works, 3 Hyatt av
Friedman M. A., 226 Hillside
Goeller H. R., 406 Frelinghuysen av
Goldberg E. Iron Works, 165 W. Kinney
*Hay Foundry & Iron Works, Plum Point la
Hedden Iron Construction Co., Lyons Farms
*Hewitt John Foundry Co. (Castings Only), E. Newark
Industrial Wire & Metal Works, 95 High
Katchen, Barnett Iron Works, 107 Hunterdon
Koller E. L. Mfg. & Coal Chute Co., 282 Sussex
Payne Bros., Emmet, cor Av D
Smith Albert Sons, 73 N. J. R. R. av
NEW BRUNSWICK—*New Brunswick Iron Works (Cast, Wrought & Ornamental)
PASSAIC—Passaic Artistic Iron Works
PATERSON—Bogert-Carlough Co.
*Eastwood Benj. Co. (Builders' Castings Only)
Lendrim H. C. Co.
ROCKAWAY—Lincoln Architectural Iron Co.
TRENTON—Baker W. H.
*Mackenzie's, Duncan Sons Co.
UNION HILL—Haas, G. M.
*Mott J. L. Iron Wks.
WEST HOBOKEN—Courtman Walter F.

## NEW MEXICO.

ALBUQUERQUE—*Albuquerque Foundry & Machine Works

## NEW YORK.

ALBANY—Campbell Architectural Iron Co.
Clausen N. C. Architectural Iron Co.
*McKinney, Jas. & Son
BINGHAMTON—Shapley & Wells
BUFFALO—Buffalo Structural Steel Co.
Buffalo Wire Works Co. (Ornamental), 453 Terrace
*See adv index at end of book*
*Ernst's Charles F. Sons
Feine August & Sons Co., 140 Terrace
Ginther's J. Sons Co,
Jones Iron Works
Kellogg Structural Steel Co., 31 Stone
Mostberger Iron Co., 878 S Division
Progressive Structural Steel Co.
JAMESTOWN—*Eagle Foundry & Machine Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Albee & Godfrey Co., Stewart av
Bassett A. Iron & Wire Works, 42 Walworth
Bloss O. J., 243 Monitor
Child W. C. W., 355 Kingsland av
*Eagle Iron Works (Inc.), 850 DeKalb av
Feldman Jno., 1323 Gates av
Fluegel Anton, 219 Cook
General Iron Works, 1480 Eastern Parkway
Gratz George E., Jr., 1143 DeKalb av
Green B. G., 213 Pacific
Grosback Wm. & Co., 37 Maspeth av
Hafker Bryan, 73 N Portland av
Hassler Fred'k, 2 Sullivan
Hebbard & Wenz, 240 N 10th
Hecla Iron Works, 118 N 11th
Janssen Bernard H., 135 Huron
Kalter & Rolnick Iron Works, 415 Dumont av
Kennington Iron Works, 414 3d av
Lister & Fee, 42 S 8th
Marcus Harry Iron Works, 237 Van Sinderen av
Mark & Mohl, 3rd av & 6th
May Jacob, 850 De Kalb av
Meyer & Anselm, 173 Van Sinderen av
Mock Julius & Sons, 777 Rutland rd
Mullon Bros., 1 Devoe
Mulstein Jno. Co., 211 3d av
Nassau Steel & Iron Wks., 525-58th
Philips Abraham A., Jr., 2219 Pitkin av
Poppke & Son, 805 Lexington av
Powell John R., 500 Leonard
*Reliance Arch'l Iron Works, 253 Monitor
Ridgewood Iron Works, 1604 De Kalb av
Schwenn Wm., 830 Lexington av
Steckenreiter Iron Works, Calyer & Jewell
Stein S., 63 N Henry
Strubel's Ridgewood Iron Works, 1604 De Kalb av
Viking Iron Works, Inc., 173 7th
Whale Creek Iron Works, 245 Huron

### Boroughs of Manhattan and Bronx.

NEW YORK—*American Car & Foundry Co. (Castings Only), 165 B'way
American Ornamental Iron Wks, 480 Grand
Anchor Post Iron Works, 167 B'way
*See adv index at end of book*
Aronsohn & Goldman, 806 5th
Bartlett J. B. C. Iron Works, 229 W 36th
Becker Geo., 545 W 22d
Black & Boyd Mfg. Co., 432 E 23rd
Campbell Harry E. Co., 80 W 40th
Carlin Iron Works, 310 W 40th
Central Iron Works, 420 E 48th
Chapman Wm. O. Co., 30 Church
CHICAGO BRIDGE & IRON WORKS, 3132 Hudson Terminal bldg
*See adv index at end of book*
Clark Peter Iron Works, 406 W 30th
Clausen H. C. Iron Works, 433 E 74th
Colonial Iron Co., 149 Broadway
Communipaw Steel Co., 95 Liberty
Cornell Iron Works, 26th & 11th av
Dahm Henry, 517 W 45th
Daniels Oscar Co., 233 Broadway
Dauphin Wm. Bronze & Iron Wks., 141 W 33d
Dowdall Chas. E., 152 W B'way
Duvinage Pierre, 253 B'way
Eagle Iron Works, 403 E 117th
Eagle Wrought Iron Works, Jackson av & 150th
East Side Iron Works, 448 E 167th
Eisenberg Bros., 438 E 10th
Eisner Bros. & Birenberg, 51 E 110
Elliott Jno., 356 Pearl
Ernst Gustave, 505 E 165th
Fiske J. W., Iron Works, 111 Park pl
Fox Chas. H., 369 W 11th
Fritschy E. J. Corp., 604 Greenwich
Garman Bros., 322 E 75th
Gersmann Rud., 1431 Bryant av
Goldberg & Kavadlo, 245 E 110th
Graf Martin, 279 Ave B
Grand Central Iron Works, 212 E 52d
Grossman Bros. & Rosenbaum, Willow av & E 133d
Hafers Chris Iron Works, 407 W 37th
Halback C. E. & Co. (Inc.), 23 E. 26th
Happel Adam, 408 E 93d
Harris Safety Co. (of Youngstown, O.), 39 E 19th
Hauptmann Wm., 410 E 104th
Hay Foundry & Iron Works, 15 Madison sq N
Henry-Bonnard Bronze Co., 20 Exchange pl
Hess Adam, 417 E 156th
Hinkle Iron Co., 534 W 56th
Hirschorn, Schoenberger & Krieger, 608 E 133d
Hoehn Wm. Co., 218 W 20th
Howard & Morse (Ornamental for Interiors), 45 Fulton
Industrial Iron Co., 1 Madison av
Jackson Wm. H. Company, 2 W 47th
Jennings & John, 83 Manhattan
Jordis John Iron Works, 354 Jackson av
Kingsbridge Iron Works, 405 E 99th
Kopelson Bros., 4118 Park av
Kues Bros Inc. Wks, 1807 Carter av.
Kushakow Jacob, 74 3d av
Lazere & Kaplan Iron Works, 434 E 124th
Lenges Philip Iron Works, 309 E 122d
Levering & Garrigues Co., 552 W 23d
Levy Chas., 554 W 45th
Liberty Iron Works, 462 10th av
Lieberman & Sanford Co., 623 W 57th
Luetke Oscar, 328 7th av
Lyon W. E. Iron Works, 202 E 46th
McCann Iron Wks Inc., 249 E 138th
*McDougall & Potter Co., 606 W 55th
Madison Iron Works, 449 E 120th
Manhattan Iron & Steel Sales Co., 122 E 132d
Mayer & Kornbau, 143 Av D
Moreng Jos. Iron Works, 208 E 19th
Morris Elmer P. Iron Works, Inc. (Light), 136 Liberty
Mugler's Iron Works, 903 E. 135th
Murphy T. J., 619 Greenwich
Neser John E., 4 7th av
Palmer B., 312 W 43d
Park Iron Works, 712 E 136th
Perlman A. Iron Works (Inc.), 1735 West Farms rd
Pitt Wm. R. Composite Iron Works ("Pitt-Bostwick" Folding Gates & Guards, Ornamental), 221 W 26th
Pollak Max, 505 E 76th
Rahtz & Schnitzer, 21 E 137th
Realty Iron Works Co., 331 E 32d
Reynolds E. P., 411 E 91st
Richter A. G., 316 Av A
Ring & Konneke, 525 W 24th
Rocker Bros., 330 W 26th
Rueth Jos., 462 10th av
Sanders & Barnett, Southern blvd & 145th
Schacht B., 279 E 148th
Scherbner Paul Iron Works, 306 E 123d
Standard Iron Works, 508 E 74th
Steinel Bruno, 429 W 26th
Stolz Joseph & Sons, Inc., 841 E 136th
Thompson Hervey, 233 B'way
Tiffany Studios, 361 Madison av
TYLER W. S. CO. (of Cleveland, O.), 200 5th av
*See adv index at end of book*
Tyroler Leo, 101 W 88th
Uris Harris H., Iron Works, 521 W 26th
Veeser Frank, 228 E 150th
Victor Iron Works, Inc., 1106 Brook av
Wander Iron Works, 321 E 94th
Weber's Jacob V. Sons, 308 E 26th
*Wells Architectural Iron Co., River av & 151st
Williams Jno., Inc., 556 W 27th
Yorkville Iron Works, 433 E 74th

### Borough of Queens.

LONG ISLAND CITY—Just Geo. A. Co., 239 Vernon av
Polachek John Bronze & Iron Co., 480 Hancock
Sexauer & Lemke, Vernon av
MASPETH—(New York City)—*Richey, Browne & Donald, Flushing av

**(End of New York City)**

POUGHKEEPSIE—Mitchell Co., Inc.
ROCHESTER—*Heughes F. L. & Co.
Kohlmetz Chas. E.
Kohlmetz H. L.
White Wire Works Co.
SYRACUSE—Dunning W. D.
General Erecting Co., Maltbie & W. Shore R. R.
*Smith & Caffery Co.
Syracuse Wire Works, 101 University av
Thelen Bros.
TROY—*Mahony Mfg. Co.
West Side Structural Co.
UTICA—Jones Willis H.
WATERTOWN—Wilson J. C.
YONKERS—Morris Thos. Jr. (Estate of)

## NORTH CAROLINA.

ASHEVILLE—*Asheville Supply & Foundry Co.
CHARLOTTE—*Mecklenburg Iron Works
GREENSBORO—*Glascock Stove & Mfg. Co. (Builders' Castings Only)
Sergeant Mfg. Co.

## NORTH DAKOTA.

FARGO—*Fargo Foundry Co.
Fargo Iron & Metal Co.

## OHIO.

AKRON—Ornamental Iron Works Co.
ASHTABULA—Barber Mfg. Co.
BELLEFONTAINE—Bellefontaine Bridge & Steel Co.
CANTON—*Canton Foundry & Machine Co. (Castings, Columns, Sills, Base Plates, etc)
Columbia Iron & Wire Works Co.
Union Metal Mfg. Co.
CINCINNATI—Cincinnati Artistic Wrought Iron Works, 2941 Eastern av
Cincinnati Iron Fence Co., 3300 Spring Grove av

Tyler Elevator Enclosure, Type "A" Construction

# TYLER

## ORNAMENTAL IRON and BRONZE

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| Elevator Enclosures | Bronze Doors |
| Elevator Cars | Porte-Cocheres |
| Memorial Tablets | Stairways |
| Entrances | Store Fronts |
| Marquees | Bank Railings |
| Gates | Office Railings |
| Grilles | Lamps, Etc. |

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## THE W. S. TYLER COMPANY

CLEVELAND, OHIO

CHICAGO 555 McCormick Bldg. NEW YORK 200 Fifth Ave. BOSTON 68 Devonshire St.


Cincinnati Mfg. Co. (Wrought, Cast & Ornamental)
**Columbia Iron Works, 721 Reading rd**
Egbers Geo. H. & Bro., 228 E 7th
Fening-Stockman Iron Wks. Co., 113 Gest
Frelinger J. G. Iron Works, 115 W 2d
General Iron Wks. Co., Front & Harriet
Grimm Iron Works
Kammen Walter, 3258 Spring Grove av
**Lang Wm. & Sons Co., Patterson nr Bank**
**Ley H. & Co., Lincoln av**
**Messmer Andrew Co., Patterson nr Bank**
**Newman Mfg. Co., 717 Sycamore**
*See adv index at end of book*
Rowekamp Bernard J., 2620 Colerain av
Schoeneberg Fred, 8th & Evans
*Schrieber L. & Sons Co., 3869 Ivanhoe
Stewart Iron Works Co.

CLEVELAND—Barshal Steel Equipment Co., 2031 Euclid av.
Brooks T. H. & Co.
*City Foundry Co. (Castings)
Cleveland Art Metal Co., 3620 Superior
Dreyer G. H. & Son
**Forest City Steel & Iron Co., 110th** nr Detroit av
Kirchner Iron & Wire Co., 1149 Norwood rd
McLaren Iron Works Co.
*Madison Foundry Co.
National Iron & Wire Co.
Republic Structural Iron Works Co., 1350 E 53d
Sheer Bros. Fence & Iron Co., 715 E 103d
Steelite Co., 1920 W 77
Stevens Iron Works & Fireproofing Co.
**TYLER W. S. CO.**
*See adv index at end of book*
***Van Dorn Iron Works Co., 2700 E 79th**
*Variety Iron & Steel Works Co., Hamilton av & E 40
Zeman Iron Works Co., 5651 B'way

COLUMBUS—Columbus Structural Steel Co.
Columbus Wire & Iron Works Co.
Krumm Martin
*McDonald Foundry (Cast Iron)
Morris C. E. Co.

DAYTON—Dayton Steel Construction Co., Howell & Wilbur
Plocher Andrew Sons Co.

FREMONT—*Lehr Agricultural Co.
HAMILTON—**MEYERS FRED J. MFG CO.**
*See adv index at end of book*
LIMA—*East Iron & Machine Co., 351 E Market
MANSFIELD—Hughes-Keenan Co.
MIDDLETOWN—Shartle Bros. Machine Co.
SANDUSKY—*Klotz Machine Co.
*Mack Iron & Wire Works Co.
SPRINGFIELD—*Bayley Wm. Co.
*Hennessey Foundry Co.
Peet & Schuster Co.
TOLEDO—Art Iron & Wire Works
Braunschweiger Bros.
Milmine H. B. & Co.
*Toledo Foundry & Machine Co.
Toledo Wire & Iron Works
WILMINGTON—Champion Bridge Co.
YOUNGSTOWN—Youngstown Wire & Iron Co.

### OKLAHOMA.

OKLAHOMA—Klein J. B. Iron Foundry Co.
*Oklahoma City Foundry & Machine Co.

### OREGON.

ALBANY—*Albany Iron Works
EUGENE—Frazer G. N.
PORTLAND—Pacific Bridge Co., E Water & Salmon
*Pacific Iron Works
Smith & Watson Iron Works, Front & Harrison

### PENNSYLVANIA.

ALLENTOWN—*Hanlon John J.
McDermott Engineering Co.
BETHLEHEM—Bethlehem Fabricators, Inc.
BLOOMSBURG—*Harman & Hassert.
BRIDGEPORT—Gehret Bros.
CATASAUQUA—*Davies & Thomas Co.
CHESTER—Boulden Wm. M. & Son
DANVILLE—*Danville Iron & Steel Co.
ELLWOOD CITY—Ellwood City Iron & Wire Co.
GREENSBURGH—*Hempfield Foundry
HOLLIDAYSBURG—*McLanahan Stone Machine Co.
HOMESTEAD — Keystone Ornamental Iron Co.
JOHNSTOWN—Griffith Geo. J.
LANCASTER—Lancaster Machine & Structural Works
Rote A. B. & Co.
LEBANON—Lebanon Iron Co.
McKEESPORT—Monon & Yough Foundry Co.
Smith Nimmo & Co.
NEWSIDE—Peter F. N. & Bro.
PHILADELPHIA—*Adams Wm. Foundry Co., Inc, 960 N 9th
Allen Iron & Steel Co., 3rd & Venango
Aubel F. & E., 2505 Germantown
*Baizley John, Iron Works, 514 S Del av
Barnes Winfield S. & Co., 20th & Erie av
*Belmont Iron Works, 22d & Washington av
Biddle-Gaumer Co., 3846 Lancaster av
*Biggin C. P. Co., 1829 Harlan
Boureau H. U. & Co., 3302 Ludlow
Clopp Geo. B., 3717 Filbert
Columbia Iron Works, 246 N 5th
*Coyle H. B. Iron Works, 622 Filbert
*Creswell Samuel J. Iron Works, 23d & Cherry
Darby Edw. & Sons Co., 412 N. 18th
Gensel Fred'k & Co., 911 Vine
*Hitzeroth Edward, 3120 Market
Horrocks Iron Works, 234 N Broad
Jahn Wm. R., 3239 Germantown av
Kemper Cons. Co., 905 Walnut
Keystone Structural Co., Harrison bldg
Lee Benjamin, 628 N 5th
McArdle Wm. H. & Son, 511 Bainbridge
Midland Metal Co., Inc., 21st & Jefferson
Noe-Wadlow Co., 2nd & Oxford
O'Neill Michael, 1531 Filbert
Pettit Frank, Ornamental Iron Wks., 809 Master
Philadelphia Art Co., 16 N. 9th

IRON (ARCHITECTURAL, ORNAMENTAL)—continued

PENNSYLVANIA—Philadelphia—continu'd
- **Richmond & Kemp, 21st & Washington**
- Simpson Washington, 919 S 46th
- Sutton W. A. & Co., 926 N 19th
- Thompson Bros., Milnor
- *Thompson J. & Co., Van Horn & Sophia
- Turner Henry, 4737 N Front
- Wark W. E. Co., 1737 Filbert
- Wayne Iron Works, Commercial Trust bldg

PITTSBURGH — Buechele Iron & Tool Works Co., 4127 Liberty av
- Cornwall E. & Co., 709 Sarah
- **Eichleay John Jr. Co., 20th & Wharton**
- Hanny Chas. G. & Co., 856 W North av
- **Lane Thos Co., Farmers Bank bldg**
- *Marshall Foundry Co. (Builders' Castings), 28th & R. R.
- **PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross
- *See adv index at end of book*
- Pittsburgh Ornamental Iron Co., S 20th & Wharton
- Rieseck Iron Works, 1201 Metropolitan
- *Rosedale Foundry & Machine Co., Columbus & Preble
- Sommerville Iron & Bronze Co., 5641 Butler
- Star Ornamental Iron & Wire Works 2525 Frazier
- Stewart-Holland Co., Wabash bldg
- Taylor & Dean, Penn av & 25th
- Vilsack Martin Co., 3222 Penn av

POTTSTOWN—Weller M. D.

READING—Kiefer W. L.
- *Remppis W. F. Iron Wks. (Plain & Ornamental), 226 Spruce

WAYNESBORO—Smith Fence & Iron Co.

WILKES-BARRE—Eagle Iron Works

YORK—Christensen Wm. (Jobbers)
- Smyser Royer Co.

### RHODE ISLAND.

PAWTUCKET—White J. S. Co.

PROVIDENCE—*Colvin Foundry Co., 185 Globe
- Commercial Iron Works, Inc., 171 Globe
- Providence Ornamental Iron Works, 72 Dudley
- Providence Steel & Iron Co. (Cast & Wrought), Kinsley av
- Tower Jas. H. Iron Works, 50 Borden

WOONSOCKET—*Woonsocket Mach. & Press Co. (Builders' Castings)

### SOUTH CAROLINA.

ANDERSON—*Anderson Machine & Fdry. Co.

CHARLESTON——*Charleston Iron Works
- *Riley J. F.
- *Riverside Iron Works, Concord

### SOUTH DAKOTA.

SIOUX FALLS—Pankow Bros.

### TENNESSEE.

CHATTANOOGA—*Chattanooga Car & Foundry Co.
- Eureka Supply Co.
- Lucey Fdy. & Machine Co.
- Price-Evans Foundry Co.
- Standard Iron & Wire Works.

JACKSON—*Southern Engine & Mfg. Co.

KNOXVILLE—*Fair Foundry Co.
- *Knoxville Foundry & Machine Co.

MEMPHIS—Pidgeon-Thomas Iron Co.
- Tennessee Wire & Iron Works

NASHVILLE—Stewart & Bruckner Co.

### TEXAS.

AUSTIN—*Tips Walter Co.

DALLAS—Harry O. K. Steel Works
- *Mosher Mfg. Co.

FORT WORTH—*Van Zandt Iron Works

HOUSTON—Berger A. A. & Co.
- *Dickson Car Wheel Co.
- *Hartwell Iron Works
- *Houston Car Wheel & Machine Co.
- **Riesner Bernard A.**

### UTAH.

SALT LAKE CITY—*Salt Lake Iron & Steel Co.

### VIRGINIA.

ALEXANDRIA—Alexandria Iron Works

DANVILLE—*Westbrook Elevator Mfg. Co., Inc.

NORFOLK—Norfolk Iron & Wire Works

RICHMOND—Carr Jas. W., 7th N 25th
- Cruickshanks Iron Works Co., Dineen & S. A. L. R. R.
- Richmond Structural Steel Co., 18th & Dock
- Ross Structural Iron Works
- *Tredegar Co., ft. of 5th

ROANOKE—*Roanoke Iron Works
- Roanoke Iron & Bridge Wks, Inc.
- *Virginia Bridge & Iron Co.

### WASHINGTON.

SEATTLE—American Iron & Wire Works
- *Olympic Foundry Co. (Builders' Castings, etc)
- Pacific Ornamental Iron Co.
- **West Coast Ornamental Iron & Wire Works, Inc**
- *Variety Iron Works

SPOKANE—Spokane Ornamental Iron & Wire Works
- *Union Iron Works, Inc.

TACOMA—Puget Sound Iron & Steel Works

### WEST VIRGINIA.

WHEELING—Moss J. E. Iron Works

### WISCONSIN.

APPLETON—*Valley Iron Works Co. (Castings & Columns, etc)

DE PERE—Western Steel & Iron Works (Steel Gates, Fences, etc)

EAU CLAIRE—*Phoenix Mfg. Co.

GREEN BAY—Rothe Jos. F. Foundry Co.

LA CROSSE—Smith Mfg. Co.
- Torrance John & Son

MADISON—Kupler Theodore

MILWAUKEE—Badger Wire & Iron Works, 25th av & Cleveland
- Bayley Structural Iron Co., 705 S Pierce
- Globe Wire & Iron Works, Atkinson av
- *Greenslade John, 678 Jefferson
- Hackendahl & Schmidt Co., 16th & Canal
- Hennecke C. Co., 1353 N Pierce
- Iron & Wire Wks (Wickets)
- Milwaukee Structural Steel Co., 19th & St. Paul av
- Pietsch Ferdinand, 617 Cedar
- Standard Iron & Wire Works, 489 12th
- Wagner A. F., Arch'l Iron Works, 763 N. Water
- *Wisconsin Iron & Wire Works

RACINE—Goehner Chas.
- Racine Iron & Wire Works

RHINELANDER—Rhinelander Iron Co.

SHEBOYGAN—Optenberg Iron Works

WEST BEND—*Gehl Bros. Mfg. Co. (Castings Only)

## Iron (Band & Hoop)

See Iron & Steel, Band & Hoop

## 6691— Iron Bar Mills

See Also Steel Structural Mills

Aetna Nut Co. (Merchant Bar, Rounds & Squares, Ovals & Half Rounds & Ovals), Southington, Conn.

Altoona Iron Co. (Refined Merchant Bar, Band, Hoop, Oval, Half Round & Scroll Iron), Altoona, Pa.

American Car & Foundry Co. (Merchant Bars, Flats, Squares, etc), Syndicate Trust bldg, St. Louis, Mo.

American Chain Co. (Merchant Bar Iron for Harness & Saddlery Work & Chains), Bridgeport, Conn.

American Horse Shoe Co. (All for our own Consumption), Phillipsburg, N. J.

American Steel & Wire Co. (Flats for Horse Shoes, etc), Frick bldg, Pittsburgh, Pa.

Ames W. & Co. (Rounds, Flats & Squares), Communipaw av. Jersey City, N. J.
*See adv index at end of book*

Armstrong Geo. W. & Co., Inc. (Rounds, Squares & Flats, etc), Fort Worth, Tex.

Bethlehem Steel Co. (Double Refined), S Bethlehem, Pa.

Booth J. B. & Co., 216 E. Robinson, Pittsburgh, Pa.

Bourne-Fuller Co., Hickox bldg, Cleveland, O.

Brown & Co. (Refined Bar & Hammered Iron for Special Purposes), 10th & Duquesne way, Pittsburgh, Pa.

Burden Iron Co. (Bar & Other Merchant Iron), Troy, N. Y.

Carter Iron Co. (Merchant Bar Iron), **307 5th av, Pittsburgh, Pa.**

Collins Co. (Flats & Squares), Collinsville, Conn.

**COLONIAL SUPPLY CO.,** 217 Water Pittsburgh, Pa.
*See adv index at end of book*

Colorado Fuel & Iron Co. (Merchant Bar), Denver, Colo.

Davis Bros. (Merchant Bar Iron), 29th & Bristol, Phila., Pa.

Danville Iron & Steel Co., Danville, Pa.

Dominion Iron & Steel Co., Ltd., 15 John, New York.

Edwards Edward T., Columbia, Pa.

Electro Steel Co., Inc., Curry Bldg., Pittsburgh, Pa.

Empire Galvanizing Co., 2507 E. Cumberland, Phila., Pa.

Empire Rolling Mill Co. (Merchant Bar Iron), Bessemer & C. & P. Ry., Cleveland, O.

Fort Wayne Iron Steel Rolling Mills Corp. (Rounds, Squares, Flats, Ovals, Crescents, Tees, Angles & Channels), W. Taylor, Fort Wayne, Ind.
*See adv index at end of book*

**BAR IRON and STEEL**
**IRON IN ALL SIZES**
**Rounds and Squares ¼" to 4"**
**Flats ½" x No. 14 to 10" x 1½",**
**Fort Wayne Iron Steel Rolling Mills**
**West Taylor St., Fort Wayne, Ind.**

Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*

Great Lakes Products Co., Inc., 431 S. Dearborn, Chicago, Ill.

Harrow Spring Co. (Refined Bar Iron), Milwaukee, Wis.; Works, Kalamazoo, Mich.

Highland Iron & Steel Co. (Merchant Bar), Terre Haute, Ind.

Hoopes & Townsend Co. (Merchant Iron, Rounds, Squares & Flats), Broad & Buttonwood, Phila., Pa.

Hughes & Patterson (Bar Iron), 800 Richmond, Phila, Pa.

Illingworth Jno. Steel Co. (Rerolled Swedish & Norway Iron), Tacony & Lewis, Phila., Pa.

Industrial Steel & Brass Corp., 602 W. Lake, Chicago, Ill.

Interstate Iron & Steel Co., 104 S. Michigan Av., Chicago, Ill.

**JANSON STEEL & IRON CO.** (High Grade Refined Iron in Rounds, Squares, Flats, etc), Columbia, Pa.

Judson Mfg. Co. (Merchant Bar Iron), 819 Folsom. San Francisco, Cal.

Kansas City Bolt & Nut Co. (Merchant Bar Iron). Kansas City, Mo.

Kilby Car & Foundry Co., Anniston, Ala.

Knoxville Iron Co. (Merchant Bar), Knoxville, Tenn.

Larkin J. K. & Co., Jobbers, 34 Reade, New York. *See adv index at end of book*

Lebanon Valley Iron & Steel Co. (Merchant Bar, etc), Lebanon, Pa.

Liberty Steel Products Co., 233 Broadway, New York.

Lockhart Iron & Steel Co. (Rolled Bar Iron Specialty, "Vulcan," Brand of Iron Bars, Bands, Angles & Channel), McKees Rocks, Pa.

Logan Iron & Steel Co. (Charcoal & Refined Bar Iron, Crown Bars, Flats, Rounds, Squares, Ovals, Half Rounds & Ovals, etc.), St. Girard bldg, Phila., Pa.

Lukens Steel Co., Coatesville, Pa.

McCoy-Linn Iron Co. (Charcoal), Iron, Rounds, Flats & Squares), Milesburg, Pa.

Milton Mfg. Co. (Refined Bar Iron), Milton, Pa.

National Rolling Mill Co. (Bar & Finished). Vincennes, Ind.

Nicetown Plate Washer Co. (Refined Merchant), 1824 Juniata, Phila., Pa.

Ohio Falls Iron Co. (Merchant Bar & Iron for Railroad, Bridges & Car Works, etc), New Albany, Ind.
**OLD DOMINION IRON & STEEL CORP.** (Merchant Bar & Bridge Iron), Belle Isle, Richmond, Va.
*See adv index at end of book*
Penn Steel & Iron Corp. (Refined Black or Galvanized Bar Iron), Lancaster, Pa.
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Reading Iron Co. (Merchant Bar), Reading, Pa.
Republic Iron & Steel Co. (Common, Merchant & Refined Bar Iron), Youngstown, O.
*See Branch Offices Alphabetical Section*
Richmond Structural Steel Co., 18 & Dock, Richmond, Va.
Rockaway Rolling Mill (Bar & Double Refined Bars), Rockaway, N. J.
St. Louis Screw Co. (Iron Rounds & Squares ¼ to 3 in.; Flat ⅝x12 to 8x1½ in), Clarence & Bulwer avs, St. Louis, Mo.
Scott, Sugden & Lamont, Monadnock Bldg., San Francisco, Cal.
Scranton Bolt & Nut Co. (Merchant Bar), Scranton, Pa.
Slatington Iron & Steel Co. ("Slatington Best," "Slatington Norway," "Slatington Staybolt," "Lehigh," High Grade Refined Carriage, Drop Forging, Horse Shoe & Boiler Rivet Iron, etc), Slatington, Pa.
Sylvester Company (Merchant Bar Iron), 141 Milk, Boston, Mass. Works: Danvers, Mass.
Tredegar Co. (Merchant Bar, Car Iron), ft of 5th, Richmond, Va.
Tuttle Chas. W. (Merchant Bar Iron), ft of McMaster, Auburn, N. Y.
Ulster Iron Works (Puddled Merchant Bar Iron), Dover, N. J.
Union Rolling Mill Co. (Refined Bar Iron; also Bolt, Nut, Rivet Iron), Aetna rd & E 82d, Cleveland, O.
Virginia Iron Coal & Coke Co. (Merchant Bar Iron), Roanoke, Va.
Westerman & Co. (Rounds, Squares, Hexagons & Fancy Shapes & Horse Shoe Iron), Lockport, N. Y.
Wurster F. W. & Co. (Merchant Bar Iron), 375 Kent av, Brooklyn, N. Y.

## Iron (Boiler & Tank Plate)

See Iron & Steel, Boiler & Tank Plate

## 6692— Iron (Bridge)

See also Steel Structural Mills

Lockhart Iron & Steel Co., Pittsburgh, Pa.
Logan Iron & Steel Co., St. Girard bldg, Phila, Pa.

## 6692a— Iron Bromide

Dow Chemical Co. (Ferrous & Ferric), Midland, Mich.
Mallinckrodt Chem. Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## 6692b— Iron Carbonate

Milwaukee Structural Steel Co., 19th & St. Paul av, Milwaukee, Wis.
Ohio Falls Iron Co., New Albany, Ind.
Drakenfeld B. F. & Co. (Imp.), 50 Murray, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Iron Castings

See Castings, Various Kinds; also Machinists & Founders

## Iron (Channel)

See Steel Structural Mills

## 6693— Iron (Charcoal Sheet)

See also Iron & Steel Sheet, Black & Galvanized

Ewald Iron Co., Louisville, Ky.
Griffith Charcoal Iron Mills, Washington, Pa.
Reeves Mfg. Co. ("Reeves Guaranteed"), Dover, O.
Ryerson Jos. T. & Son, 910 Corn Exch. bldg & 16th & Rockwell, Chicago, Ill.
*See adv. index at end of book.*
Whitaker-Glessner Co., Wheeling Corrugating Dept., Wheeling, W. Va.

## 6693a—Iron Chloride (Crystals)

Dow Chemical Co. (Commercial & U. S. P.), Midland, Mich.
Warren Products Co., 265 B'way, New York *See adv index at end of book*

## 6694— Iron Chromate

Drakenfeld B. F. & Co. (Imp), 50 Murray, New York
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 B'way, New York *See adv index at end of book*

## Iron (Electrical)

See Iron & Steel Sheet, Electrical

## 6695— Iron (Engine Bolt)

See also Iron Bar Mills

Bethlehem Steel Co. (Double Refined), South Bethlehem, Pa.
Carter Iron Co. ("Carter"), 307 5th av, Pittsburgh, Pa.
Lockhart Iron & Steel Co. ("Vulcan" Puddled), Pittsburgh, Pa.
**OLD DOMINION IRON & STEEL CORP.**, Belle Isle, Richmond, Va.
*See adv index at end of book*
Ohio Falls Iron Co., New Albany, Ind.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Rome Iron Mills Inc., 30 Church, New York
Slatington Iron & Steel Co., Slatington, Pa.
Ulster Iron Works ("Ulster" Special), Dover, N. J.

## Iron Fencing

See Iron Railings & Fences; also Fences, Iron & Steel Picket

## 6696— Iron (Guide)

See also Iron Bar Mills

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.

## 6697-8— Iron (Horse Shoe)

See also Iron Bar Mills

Empire Rolling Mill Co., Bessemer & C. & P. Ry., Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Logan Iron & Steel Co., St Girard bldg., Phila, Pa.
Ohio Falls Iron Co. (Hammered Charcoal Iron), New Albany, Ind.
Rome Merchant Iron Mill, Rome, N. Y.
Slatington Iron & Steel Co., Slatington, Pa.
Tuttle Chas. W., ft of McMaster, Auburn, N. Y.

## 6699— Iron Muck Bar

(This List Contains Only those Firms Who Manufacture Muck Bars for Sale)

Bethlehem Steel Co. (Low Phosphorus), South Bethlehem, Pa.
Blandon Rolling Mill, Blandon, Pa.
Brooke E. & G. Iron Co., Birdsboro, Pa.
Carter Iron Co. (Fine Grades), 307 5th av, Pittsburgh, Pa.
Empire Rolling Mill Co., Bessemer & C. & P. Ry., Cleveland, O.
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Glasgow Iron Co., Pottstown, Pa.
Highland Iron & Steel Co., Terra Haute, Ind.
Interstate Iron & Steel Co., 104 S. Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kittanning Iron & Steel Mfg. Co., Kittanning, Pa.
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Lessig Geo. B. Co., Pottstown, Pa.
Logan Iron & Steel Co., Morris bldg, Phila., Pa.
Milton Mfg. Co., Milton, Pa.
Moorhead Bros. & Co., Sharpsburg, Pa.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Roe & Conover 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Spang, Chalfant & Co., Union Bank bldg, Pittsburgh, Pa.
Youngstown Sheet & Tube Co., Youngstown, O.

## 6699a— Iron Nitrate

General Chemical Co., 25 Broad, New York
Merrimac Chemical Co., 148 State, Boston, Mass.

## Iron (Norway)

See Iron & Steel, Swedish

## 6700— Iron (Open Hearth)

Andrews Steel Co. (Rust Resisting Sheets, etc), Newport, Ky.
Inland Steel Co. (Rust-Resisting Sheets & Plates), 1st Nat'l Bank bldg, Chicago, Ill.
Newport Rolling Mill Co. (Rust Resisting, Anti-Corrosive Sheets), Newport, Ky.

## 6700a— Iron Oxide

See also Oxide of Iron

Chrystal Charles B. (Red & Black), 18 Cliff, New York
*See adv index at end of book*
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hummel & Robinson (Natural), 26 Cortlandt, N. Y.
McNulty Joseph A., 135 William, New York *See adv index at end of book*
Warren Products Co., 265 B'way, New York *See adv index at end of book*

## 6700b— Iron (Perchloride)

Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## Iron Pier Builders

See Steel Structural Work

## Iron (Pipe & Flue)

See Iron & Steel Skelp

## Iron (Planished)

See Locomotive Jacket Iron; also Steel Sheets, Planished & Polished

## 6700c—Iron (Precipitated Oxide of)

Lavino E. J. & Co., Bullitt bldg, Phila. Pa.

## 6701—Iron Railings & Fences

For other Iron Railing Manufacturers see Iron, Architectural & Ornamental; also Bank & Office Railings; also Wire Fences
Amos Chas. & Co., 640 Hart av, Detroit, Mich.
**ANCHOR POST IRON WORKS**, 167 Broadway, New York.
*See adv index at end of book*
Armstrong & Parker, Bath & 361 Guilford av, Baltimore, Md.
Balderston H. & Son, 505 W. Franklin, Baltimore, Md.
Barbee Wire & Iron Works, Lafayette, Ind.
Barnum E. T. Wire & Iron Wks., 864 Woodward, Detroit, Mich.
Bayley Wm. Co., Springfield, O.
Belmont Iron Wks., 22d & Wash. av, Phila., Pa.
Biggin Charles P. Co., 1829 Harlan, Phila., Pa.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Chesapeake Iron Works, Westport, Baltimore, Md.
Christopher & Simpson Iron Works Co., 9th & Park av, St. Louis, Mo.
Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati, O
Cincinnati Mfg. Co., Cincinnati, O.
Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Columbus Wire & Iron Works Co., Columbus, O.
Cornell Iron Works, 26th & 11th av, New York
Creswell Samuel J. Iron Works, 23d & Cherry, Phila, Pa.
Darby Edward & Sons Co., 412 N 18th, Phila., Pa.

IRON RAILINGS & FENCES—continued

Dauchy Iron Works, 223 W Illinois, Chicago, Ill.
Davenport Machine & Foundry Co., Davenport, Ia.
Deschauer Wire & Iron Works, 2009 Larrabee, Chicago, Ill.
Dietrich Bros., cor Pleasant & Davis, Baltimore, Md.
Dow Wire & Iron Works, Louisville, Ky.
Dufur, Baggott & Co., 403 N. Paca, Baltimore, Md.
Dufur & Co., 311 N Howard, Baltimore, Md.
Eagle Iron Works Inc., 850 De Kalb av, Brooklyn, N. Y.
East Iron & Machine Co. (Railings Only), 351 E Market, Lima, O.
Ernst's Chas. F. Sons, Buffalo, N. Y.
Fiske J. W. Iron Works, 111 Park pl, New York
Fleck, M., 338 E 124th, New York
Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.
Gehret Bros., Bridgeport, Pa.
Haarmann G. & Co., Inc., Holyoke, Mass.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
**HANKE IRON & WIRE WORKS, 800 N** Albany av, Chicago, Ill.
*See adv index at end of book*
Hassell Iron Works Co., Colorado Springs, Colo.
Heath-Johnson Co. Inc., 300 W Ontario, Chicago, Ill.
Hennecke C. Co., 1353 N Pierce, Milwaukee, Wis.
Henry-Bonnard Bronze Co., 20 Exchange pl, New York
Herzog Iron Works, St. Paul, Minn.
Howard & Morse (For Interiors), 45 Fulton, New York
Inglis Wm. Wire & Iron Wks., 61 Woodbridge E, Detroit, Mich.
International Steel & Iron Co., Evansville, Ind.
Interstate Bridge Forge & Mfg. Co., 207 Market, Newark, N. J.
Jackson Wm. H. Company, 2 W 47th, New York
Jones Willis H., Utica, N. Y.
Kansas City Wire & Iron Works, Kansas City, Mo.
Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Krees Bros. Iron Wks, 1807 Carter av, New York
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Lindenschmidt Co., Evansville, Ind.
Loewer John E. Wire & Iron Works Co., 914 Campbell, Kansas City, Mo.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
Lyons F. P. Iron Works, 319 Elm, Manchester, N. H.
McKinney Jas. & Son, Albany, N. Y.
Manly Jail Works, Dalton, Ga.
Mansfield Steel Corp., 288 Milwaukee av, East, Detroit, Mich.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mesker Geo. L. & Co. (Railings), Evansville, Ind.
**MEYERS FRED J. MFG. CO.**, Hamilton O. *See adv index at end of book*
Milwaukee Structural Steel Co., 19th & St. Paul av, Milwaukee, Wis.
Moss J. E. Iron Wks., Wheeling, W. Va.
Nash Caleb, Mt. Vernon, N. Y.
New Haven Fence & Fire Escape Co., 683 Grand av, New Haven, Conn.
Newman, A. J., Shreveport, La.
**NEWMAN MFG. CO.** (Hand Railing), 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill.
*See adv index at end of book*
Norfolk Iron & Wire Works, Inc., Norfolk, Va.
Norfolk Iron Co., Norfolk Downs, Quincy, Mass.
Ornamental Foundry Co., Anniston, Ala.
Pacific Fence Construction Co., 423 Market, San Francisco, Cal.
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.
*See adv index at end of book*
Peter F. N. & Bro. (Wrought Iron & Cast Iron), Newside, Pa.
Pettit Frank, 809 Master, Phila, Pa.
Pitt Wm. R. Composite Iron Works (Ornamental), 221 W 26th, New York
Pittsburgh Ornamental Iron Co., S 20th & Wharton, Pittsburgh, Pa.
Potts Mfg. Co., Mechanicsburg, Pa.
Queen City Iron & Wire Wks. Co., Denver, Colo.
Racky Albert C., 531 S 5th av, Chicago, Ill.
Ralston Iron Works, 20th & Indiana, San Francisco, Cal.
Remppis W. F. Iron Wks., 226 Spruce, Reading, Pa.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Richey, Browne & Donald (& Bronze), Flushing av, Maspeth, N. Y.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Roanoke Iron & Bridge Wks, Roanoke, Va.
Ross Bros. (Fences Only), Miners Mills, Pa.
St. Louis Wire & Iron Works Co., 518 Chouteau av, St. Louis, Mo.
Scaar Frank & Co., 1042 W 11th, Chicago, Ill.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
**SMITH F. P., WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith L. Iron & Steel Co., Jacksonville, Fla.
Smyser Royer Co., York, Pa.
Snow W. A. Iron Works, Inc., 32 Portland, Boston, Mass.
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Standard Iron & Wire Works, Chattanooga, Tenn.
Stewart Iron Works Co., Covington, Ky.
Stolz, Jos. & Son, Inc 841 E 136th, New York
Taylor & Dean, Penn av. & 25th, Pittsburgh, Pa.
Thompson Hervey, 233 Bway, New York
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Union Foundry Works, 38 S Dearborn, Chicago, Ill.
Union Iron Wks. Co., 212 12th, Washington, D. C.
United Ornamental Iron Works, 189 W Madison, Chicago, Ill.
Van Dorn Iron Works Co. (Wrought), 2700 E 79th, Cleveland, O.
Verdeckberg Iron & Wire Works Co., Denver, Colo.
Vilsack Martin Co., 3222 Penn av, Phila., Pa.
Voss Frederick, 552 W Monroe, Chicago, Ill.
Wayne Iron Works, Commercial Trust bldg., Phila., Pa.
Wells Architectural Iron Co., River av & 1st, New York
West Side Structural Co., Troy, N. Y.
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.
**WRIGHT WIRE CO.**, Worcester, Mass.
*See adv index at end of book*
Zeman Iron Works, 5651 Broadway, Cleveland, O.

## 6702—Iron (Refined Hammered)

Cyclops Steel Co., 120 B'way, New York

## 6703— Iron (Russia)

Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*

## 6704— Iron (Rust Resisting)

Allegheny Steel Co. ("Allegheny" Charcoal Iron), Oliver bldg, Pittsburgh, Pa.
Andrews Steel Co. (Genuine Open Hearth, Sheets, etc), Newport, Ky.
Falcon Steel Co., Niles, Ohio
Inland Steel Co. ("Vismera"), First Nat'l Bank bldg, Chicago, Ill.
Newport Rolling Mill Co. (Genuine Open Hearth Sheets), Newport, Ky.
Reeves Mfg. Co. ("Reeves Guaranteed"), Dover, O.
Stark Rolling Mill Co. (Toncan, Metal Sheets) Canton, O.
Whitaker-Glessner Co. (Portsmouth Iron), Wheeling, W. Va.

## 6705—Iron (Rustless, Oxidized)

Meyers Fred'k J. Mfg. Co., Hamilton, O.
*See adv index at end of book*

## 6705a— Iron Scale

Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 6706—Iron Sheets (Blue Annealed)

**ALLOY STEEL PRODUCTS CORP.**, 19 N W 44th, New York
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Stolz Jos. & Son, Inc., 841 E 136th, New York City
Whitaker-Glessner Co. (Rust Resisting), Wheeling, W. Va.

## Iron Skelp

See Iron & Steel Skelp

## 6707— Iron Stair Builders

Amos Chas & Co., 640 Hart av, Detroit, Mich.
Armstrong & Parker, 361 Guilford av, Baltimore, Md.
Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Bayer-Rothgeb Co., Los Angeles, Cal.
Belmont Iron Works, 22d & Washington av, Phila, Pa.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Capital Iron Works Co., Topeka, Kan.
Chesapeake Iron Works, Westport, Baltimore, Md.
Child W. C. W., 355 Kingsland av, Brooklyn, N. Y.
Christopher & Simpson Iron Works Co., 9th & Park av, St. Louis, Mo.
Coleman Adelbert E., 336 W 37th, Chicago, Ill.
Cornell Iron Works, 26th & 11th av, New York
Creswell Samuel J. Iron Works, 23d & Cherry, Philadelphia, Pa.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Dexter Metal Mfg. Co. (Spiral), 93 Arch, Camden, N. J.
Eagle Iron Works, 850 De Kalb av, Brooklyn, N. Y.
Ernst's Chas. F. Sons, Buffalo, N. Y.
Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.
Guaranty Iron & Wire Co., 2847 W Lake, Chicago, Ill.
Halsted Joseph Co., 1233 W Randolph, Chicago, Ill.
**HANKE IRON & WIRE WORKS, 800 N** Albany av, Chicago, Ill.
*See adv index at end of book*
Hassell Iron Works Co., Colorado Springs, Colo.
Hastings Foundry & Iron Works, Hastings, Neb.
Hay Foundry & Iron Works, Plum Point la, Newark, N. J.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Hedden Iron Construction Co., Lyons Farms, Newark, N. J.
Henry-Bonnard Bronze Co., 20 Exchange pl. New York
Herzog Iron Works, St. Paul, Minn.
Heughes F. L. & Co., Rochester, N. Y.
Holmes, Pyott & Co., 159 N Jefferson, Chicago, Ill.
International Steel & Iron Co., Evansville, Ind.
Iowa Steel & Iron Works, Cedar Rapids, Ia.
Jackson Wm. H. Company, 2 W 47th, New York
Kleeman L. F. Mfg. Co., 1923 Central, Kansas City, Mo.
Lane Thos. Co., Farmers' Bank bldg, Pittsburgh, Pa.
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Loewer-John E. Co., Wire & Iron Works, 914 Campbell, Kansas City, Mo.
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.
McKinney Jas. & Son, Albany, N. Y.
Mack Iron & Wire Wks, Sandusky, O.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mesker Geo. L. & Co., Evansville, Ind.
**MEYERS FRED J. MFG. CO.**, Hamilton, O.
*See adv index at end of book*
Midwest Iron Wks., Omaha, Nebr.
Milwaukee Structural Steel Co., 19th & St. Paul av, Milwaukee, Wis.
Moss J. E. Iron Wks., Wheeling, W. Va.
Mugler's Iron Works, 903 E 135th, New York
Norfolk Iron Co., Norfolk Downs, Quincy, Mass.

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**Norfolk Iron & Wire Works, Inc.**, Norfolk, Va.
**Paxton & Vierling Iron Works, Omaha**, Neb.
**Pettit Frank**, 809 Master, Phila., Pa.
**Pittsburgh Ornamental Iron Co.**, S 20th & Wharton, Pittsburgh, Pa.
**Plocher Andrew Sons Co.**, Dayton, O.
**Remppis W. F. Iron Wks.**, 226 Spruce, Reading, Pa.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Richey, Browne & Donald (Cast & Wrought Iron & Steel), Flushing av, Maspeth, N. Y.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
**Riser & Moulding Co., Thomas & Stewart** av, Brooklyn, N. Y.
**Roanoke Iron Works, Roanoke, Va.**
Roanoke Iron & Bridge Wks. (Inc.), Roanoke, Va.
**Rohns Albert & Co.**, 193 Cass, Detroit, Mich.
St. Louis Wire & Iron Co., St. Louis, Mo.
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
**Scaar Frank & Co.**, 1042 W 11th, Chicago, Ill.
**Schreiber L. & Sons Co.**, 3869 Ivanhoe, Cincinnati, O.
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**Smith & Caffery Co.**, Syracuse, N. Y.
**Smyser, Royer Co.**, York, Pa.
**Sommerville Iron & Bronze Co.**, 5641 Butler, Pittsburgh, Pa.
**Southwest Wire & Iron Works Co.**, Kansas City, Mo.
**Standard Architectural Iron Works**, 2300 Bloomingdale av, Chicago, Ill.
**Standard Iron & Wire Works, Chattanooga, Tenn.**
**Stevens Iron Works & Fireproofing Co.**, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Syracuse Architectural Iron Works, Syracuse, N. Y.
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
Thompson Hervey, 233 B'way, New York
**Tilk Frank Ornamental Iron Works Co.**, 211 W 19th, Kansas City, Mo.
**TYLER W. S. Co.**, Cleveland, O.
*See adv index at end of book*
Union Foundry Works, 38 S Dearborn, Chicago, Ill.
Union Iron Wks. Co., 212 12th, Washington, D. C.
United Iron Works, Inc., Kansas City, Mo.
United Ornamental Iron Works, 189 W Madison, Chicago, Ill.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Verdeckberg Iron & Wire Works Co., Denver, Colo.
Vierling Steel Works, 313 W 23rd, Chicago, Ill.
**Wayne Iron Works, Commercial Trust** bldg., Philadelphia, Pa.
Wells Architectural Iron Co., River av & 51st, New York
Western Architectural Iron Co., 211 W Schiller, Chicago ,Ill.
Western Iron & Foundry Co., Wichita, Kansas
West Side Structural Co., Troy, N. Y.
Whale Creek Iron Works, 245 Huron, Brooklyn, N. Y.
Winslow Bros Co., 4600 Harrison, Chicago, Ill.
Wisconsin Iron & Wire Works, Milwaukee, Wis

### 6708—Iron Stair Builders (Combination Steel Concrete Interior

Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*

### 6709— Iron (Staybolt)

**Bethlehem Steel Co.** ("Bethlehem"), South Bethlehem, Pa.
**Carter Iron Co.** ("The Carter," "Special"), 307 5th av, Pittsburgh, Pa
**Delaware Seamless Tube Co.** (Hollow Staybolt Stock), Auburn, Pa.
Ewald Iron Co. ("Tennessee," Charcoal Bloom & "E,-I.-E. Charcoal), Louisville, Ky.
**Falls Hollow Staybolt Co.** (Hollow & Solid Staybolt Bars, Made from Double Refined Charcoal Iron & Steel), Cuyahoga Falls, O.
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
**Hughes & Patterson** ("H. & P."), 800 Richmond, Phila., Pa.
**Lockhart Iron & Steel Co., Pittsburgh, Pa.**
Logan Iron & Steel Co., St. Girard bldg, Phila., Pa.
Ohio Falls Iron Co., New Albany, Ind.
**OLD DOMINION IRON & STEEL CORP.**, ("Extra"), Belle Isle, Richmond, Va.
*See adv index at end of book*
Pittsburgh Forge & Iron Co. ("Atlas"), Chamber of Commerce bldg, Pittsburgh, Pa.
Reading Iron Co., Reading, Pa.
**Republic Iron & Steel Co.**, Youngstown, Ohio
*See Branch Offices Alphabetical Section*
Rockaway Rolling Mill, Rockaway, N. J.
Rome Iron Mills, Inc. (Hollow), 30 Church, New York
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Ulster Iron Works ("Ulster," Special), Dover, N. J.
Union Rolling Mill Co., Aetna rd & E 82d, Cleveland, O.


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REFINED BAR IRON HORSE and MULE SHOES
**OLD DOMINION IRON & STEEL CORP.,** RICHMOND, VA.

## 6709a— Iron Sulphate

See also **Copperas**

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Indiana Steel & Wire Co. (Copperas), Muncie, Ind.

## Iron Summer Houses

See Summer Houses or Arbors

## Iron (Swedish)

See Iron & Steel, Swedish

## 6710— Iron (Tagger's)

Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
Taylor N. & G. Co., 300 Chestnut, Phila., Pa.
Weirton Steel Co., Weirton, W. Va.

## Iron (Tee)

See Steel Structural Mills

## 6711— Iron (Trunk)

Weirton Steel Co., Weirton, W. Va.

## Iron & Steel Angles, Channels, Tees, Etc.

See Steel Structural Mills. Structural Iron & Steel of all Kinds are Classified Under this Heading. See Matter Following Each Firm's Name

## 6711a— *Iron & Steel

**FISHEL & MARKS CO.,** ft. of Krakow av, Cleveland, O. *See adv index at end of book*

## 6712—Iron & Steel (Band & Hoop)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
Altoona Iron Co. (Iron Only), Altoona, Pa.
American Car & Foundry Co. (Band Iron Only), Syndicate Trust bldg, St. Louis, Mo.
American Tube & Stamping Co. (Hot & Cold Boiler Steel Hoops & Bands), Bridgeport, Conn.
Atlantic Steel Co. (Open Hearth Steel), Atlanta, Ga.
Baker W. W. & Co. (Steel), 940 N Front, Phila., Pa. *See adv index at end of book.*
Baker, Hamilton & Pacific Co., 7th & Townsend, San Francisco, Cal. Works: Portland, Ore.
Blancke A. L. Co., 116 So. Michigan av, Chicago, Ill. *See adv index at end of book*
Booth J. B. & Co., 216 E Robinson, Pittsburgh, Pa.
Carnegie Steel Co. (Steel Only), Carnegie bldg, Pittsburgh, Pa.
**CARY MFG. CO.,** Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Castle A. M. & Co. ("Castle"), 715 N Morgan, Chicago, Ill.
Colorado Fuel & Iron Co., Denver, Colo.
Connors-Weyman Steel Co. (Steel Hoops Only), Birmingham, Ala.
De Haven Mfg. Co. (Cold Rolled Steel), 50 Columbia Heights, Brooklyn, N. Y.
Douglass J. E. (Perforated Iron), 180 N Dearborn, Chicago, Ill.
Empire Rolling Mill Co., Bessemer & C. & P. Ry, Cleveland, O.
Farist Steel Co., Bridgeport, Conn.
Fort Wayne Iron & Steel Rolling Mills, W Taylor, Ft. Wayne, Ind.
*See adv index at end of book*
Froment & Co., 150 Bank, New York
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
General Cooperage & Timber Co., Whitney-Central bldg, New Orleans, Pa.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
Hughes & Patterson (Iron Only), 800 Richmond, Phila, Pa.
Illinois Steel Co. (Steel Bands), 208 S La Salle, Chicago, Ill.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
Jones & Laughlin Steel Co. (Steel Only), Ross, Pittsburgh, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
**LARKIN J. K. & CO.** (Jobbers), 34 Reade, New York *See adv index at end of book*
Lockhart Iron & Steel Co. ("Vulcan" Band Iron), Pittsburgh, Pa.
Ohio Falls Iron Co. (Light & Heavy Bands Only), New Albany, Ind.
**OLD DOMINION IRON & STEEL CORP.,** (Band Iron Only), Belle Isle, Richmond, Va. *See adv index at end of book.*
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Peck Iron & Steel Wks. (Bands Only, Kalamazoo, Mich.
Pittsburgh Steel Co. (Steel Only), 5th av & Grant, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, Ohio
*See Branch Offices Alphabetical Section*
Robertson W. F. Steel & Iron Co., Elm & Commerce, Cincinnati, O.
Rome Merchant Iron Mill (Iron), Rome, N. Y.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Scott, Sugden & Lamont, Monadnock Bldg., San Francisco, Cal.
Sharon Steel Hoop Co. (Steel Bands & Hoops, Galvanized, Pickled, etc), Sharon, Pa.
St. Louis Screw Co. (Iron), Clarence & Bulwer avs, St. Louis, Mo.
Soule Edw. L. Co. (Iron & Steel Products of All Kinds), Rialto bldg, San Francisco, Cal.
*See adv index at end of book*
Veihardt Steel & Metal Corp., 15 Park row, New York
West Leechburg Steel Co. (Pickled & Annealed, Open Hearth Steel), Farmers Bank bldg, Pittsburgh, Pa.; Works: Leechburg, Pa.
Wire & Steel Products Co., Inc., 417 E 22d, New York
Youngstown Sheet & Tube Co., Youngstown, O.

## Iron & Steel Bar

See Iron Bar Mills; also Steel Bar Mills

## 6713—Iron & Steel Boiler & Tank Plate

Allegheny Steel Co. (Open Hearth Steel Sheared Plates), Oliver bldg, Pittsburgh, Pa.
**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
Andrews Steel Co. (Steel Tank Plate Only), Newport, Ky.
Brier Hill Steel Co., Youngstown, O.
Carbon Steel Co. (Steel Only), foot 32nd, Pittsburgh, Pa.
Carnegie Steel Co. (Steel Only), Carnegie bldg, Pittsburgh, Pa.
Castle A. M. & Co. ("Castle"), 715 N Morgan, Chicago, Ill.
Central Iron & Steel Co., Harrisburg, Pa.
**CHICAGO BRIDGE & IRON WORKS** (Boiler), 2105 Old Colony bldg, Chicago, Ill. *See adv index at end of book*
Crucible Steel Co. of America (Crucible & Open Hearth Steel), Oliver bldg, Pittsburgh, Pa.
Falcon Steel Co., Niles, Ohio
Farist Steel Co., Bridgeport, Conn.
Fishel & Marks Co., ft. of Krakow av, Cleveland, O. *See adv index at end of book*
Froment & Co., 150 Bank, New York
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Glasgow Iron Co., Pottstown, Pa.
Great Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
Illinois Steel Co. (Open Hearth & Bessemer Steel), 208 S La Salle, Chicago, Ill.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
**INLAND STEEL CO.** (Open Hearth Steel), First Nat'l Bank bldg, Chicago, Ill.
Iron Trade Products Co. (Steel Boiler Plates), Farmers Bank bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co. (Open Hearth Steel), Ross, Pittsburgh, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
La Belle Iron Works (Open Hearth Steel), Steubenville, O.
Lackawanna Steel Co. (Bessemer & Open Hearth Steel Boiler, Bridge & Tank Plate), Buffalo, N. Y.
Larkin J. K. & Co. (Jobbers) (Iron & Steel Checkered Plates), 34 Reade, New York *See adv index at end of book*
Lukens Steel Co. (Open Hearth Steel), Coatesville, Pa.
**MERCHANT & EVANS CO.,** Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Moorhead Bros. & Co., Sharpsburg, Pa.
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
National Sales & Trading Co., Cleveland, Ohio
Otis Steel Co. (Open Hearth Sheared Steel Plates, 1-4 inch & Heaier & up to 140 inches wide), Leather-News bldg, Cleveland, O.
Republic Iron & Steel Co. (Steel), Youngstown, O.
*For branch offices see Alphabetical Section*
**RYERSON JOS. T. & SON,** 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Scaife Wm. B. & Sons Co., First National Bank bldg. Pittsburgh, Pa.
*See adv index at end of book*
**SOULE EDW. L. CO.** (Iron & Steel Products of All Kinds), Rialto bldg, San Francisco, Cal.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
Tennessee Coal, Iron & Railroad Co. (Steel Only), Birmingham, Ala.
Veithardt Steel & Metal Corp., 15 Park row, New York
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.
Wood Alan Iron & Steel Co. ("A. W." Basic Open Hearth Steel, etc), Widener bldg, Phila., Pa.

## 6714—Iron & Steel (Corrugated, Mfrs.)

Firms marked thus (*) Roll their own Sheets
See also Roofing & Siding, Iron & Steel
Allegheny Steel Co. ("Allegheny" Iron Only), Oliver bldg Pittsburgh, Pa.
*American Rolling Mill Co., Middletown, Ohio
*American Sheet & Tin Plate Co. (Black, Painted & Galvanized Steel Only), Frick bldg, Pittsburgh, Pa.
*Apollo Steel Co., Apollo, Pa.
Aspromet Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.
*Berger Mfg. Co. ("Multiplex"), Canton, O.
Berger Mfg. Co. of Calif., 1120 Mission, San Francisco, Cal.
Brier Hill Steel Co. (Open Hearth Steel), Youngstown, O.
Canton Art Metal Co., Canton, O.
*Carter Iron Co. (Iron Only), 307 5th av, Pittsburgh, Pa.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Eller Mfg. Co., Canton, O.
Falcon Steel Co., Niles, Ohio
Friedley-Voshardt Co., Inc., 733 S Halstead, Chicago, Ill.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Griffiths Charcoal Iron Mills (Charcoal Iron Sheets), Washington, Pa.
Hyndman Roofing Co., 318 E 2d, Cincinnati, O.
*Inland Steel Co. (Open Hearth Steel Sheet Only), First Nat'l Bk bldg, Chicago, Ill.
Kanneberg Roofing & Ceiling Co., Canton, O.
La Belle Iron Works (Steel), Steubenville, O.
Larkin J. K. & Co. (Sheets), 34 Reade, New York *See adv index at end of book*
McCullough Iron Co., Equitable bldg, Wilmington, Del.
Martin Metal Mfg. Co., Wichita, Kans.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Moeschl-Edwards Corrugating Co. Covington, Ky.
Milwaukee Corrugating Co., Milwaukee, Wis.

N. Y. Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
**NATIONAL SHEET METAL ROOFING CO.,** 339 Grand, Jersey City, N. J.
*See adv index at end of book*
Niles Corrugating Co., Niles, O.
Ohio Corrugating Co., Warren, O.
Otis Steel Co., Leader News bldg, Cleveland, Ohio
Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Penn Metal Ceiling & Roofing Co., Ltd., 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Reeves Mfg. Co., Dover, O.
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
Ryerson Jos. T. & Son, 910 Corn Exch. bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, Ohio
*Seneca Iron & Steel Co. (Steel Only), Buffalo, N. Y.
Sharon Steel Hoop Co., Sharon, Pa.
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Steel Roofing & Stamping Works, Des Moines, Ia.
Sykes Metal Lath & Roofing Co., Niles, O.
Sykes Co., 930 W 19th pl, Chicago, Ill.
Trumbull Steel Co., Warren, O.
Whitaker-Glessner Co. (Sheet Steel), Wheeling, W. Va.
*Wood Alan Iron & Steel Co. ("A. W."), Widener bldg, Phila., Pa.
*Wood J. & Bros. Co., Inc., Conshohocken, Pa.
**YOUNGSTOWN PRESSED STEEL CO.,** (Sheets, Plain & Curved), Warren, O.
*See adv index at end of book*

## 6715—Iron & Steel Sheet (Black & Galvanized)

Allegheny Steel Co. (Black Open-Hearth Sheet Steel for Electric Work, Special Cold Rolled Stamping Steel for Deep Drawing, Nickel Plating, etc), Oliver bldg, Pittsburgh. Pa.
**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
American Rolling Mill Co. (Open Hearth Steel Sheets Black & Galvanized; also Corrugated), Middletown, O.
American Sheet & Tin Plate Co. ("Apollo" Galvanized, "Apollo-Keystone" Galvanized steel for culverts, Bessemer & Open Hearth Steel Sheets, Black & Galvanized), Frick bldg, Pittsburgh, Pa.
Apollo Steel Co. (Galvanized Only) Apollo, Pa.
Baker W. W. & Co., 940 N Front, Phila., Pa. *See adv index at end of book*
Berger Mfg. Co. (Steel), Canton, O.
Brier Hill Steel Co. (Open Hearth Sheet Steel, 10 to 30 Gauge), Youngstown, O.
Canonsburg Steel & Iron Works (Black Iron & Steel Sheets for Stamping, Enameling, Deep Drawing, Tinning, Galvanized, etc), Canonsburg Pa.
Canton Sheet Steel Co. ("Winir," Annealed Black & Galvanized), Canton, Ohio
Carter Iron Co. (Black Iron Chemical Sheets; also Roofing Sheets), 307 5th av, Pittsburgh, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Edwards Mfg. Co., Cincinnati, O.
*See adv index at end of book*
Falcon Steel Co., Niles, Ohio
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Follansbee Bros. Co. (Iron & Open Hearth Black & Galvanized Steel Sheets "H O H"), 3rd & Liberty, Pittsburgh, Pa.
Frasse Peter A. & Co., Inc., 417 Canal, New York
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Garry Iron & Steel Mfg. Co. of N. Y. (Black & Galvanized), 819 Lincoln pl, B'klyn, N. Y.
Great Lakes Steel Products Co., Inc., 431 S. Dearborn, Chicago, Ill.
Griffiths Charcoal Iron Mills (Black & Galvanized Charcoal Iron Sheets), Pa.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*
Illingworth Jno. Steel Co. (Hammered & Rolled Steel Sheets for Tools, Saws, Knives, Files, etc.), Tacony & Lewis, Phila., Pa.
**INLAND STEEL CO.** ("Vismera" & Open Hearth Steel), 1st Nat'l Bank bldg, Chicago, Ill.
**INTERNATIONAL SHIP FITTINGS & SUPPLY CORP.,** 212-214 Fulton st, Brooklyn, N. Y.
*See adv index at end of book*
Jessop Wm. & Sons, Inc. ("Jesop's" Best Black Sheet Steel. Do not mfr Iron Sheets), 91 John, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co. (Tin Mill Size), Ross, Pittsburgh, Pa.
La Belle Iron Works (Open Hearth Steel Sheets), Steubenville, O.
Larkin J. K. & Co. (Jobbers), 34 Reade, New York *See adv index at end of book*
McCullough Iron Co. (Black & Galvanized Steel Sheet), Equitable bldg, Wilmington, Del.
Massillon Rolling Mill Co. (Bessemer & Open Hearth Steel Sheets), Massillon, Ohio
**MERCHANT & EVANS CO.,** Washington av & 21st, Phila, Pa.
*See adv index at end of book*
Morse & Son Co. (Seconds), 1881 E 87th, Cleveland, O.
Nat'l Enameling Stamping Co., 411 5th av, New York
Newton Steel Co. (Black Sheets Only), Youngstown, Ohio
Newport Rolling Mill Co., Genuine Open Hearth Iron, Black & Galvanized, Rust Resisting Iron & Sheets), Newport, Ky.
Ohio Corrugating Co., Warren, O.
Otis Steel Co., Leader News bldg, Cleveland, Ohio
Parkersburg Iron & Steel Co. (Fine Black Iron & Steel Sheets), Parkersburg, W. Va.
Republic Iron & Steel Co. (Bessemer & Open Hearth, Steel & Wrought Iron), Niles Wks., Niles, O.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Ryerson Jos. T. & Son, 910 Corn Exch. bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Saul Eugene C., Monadnock bldg, San Francisco, Cal.
Seneca Iron & Steel Co. (Black and Pickled Bessemer Open Hearth Sheet Steel, 10 to 30 gauge, up to 42 wide and up to 12 ft in length), Buffalo, N. Y.
Soule Edw. L. Co. (Iron & Steel Products of All Kinds), Rialto bldg, San Francisco, Cal.
*See adv index at end of book*
Stark Rolling Mill Co. (Open Hearth Steel & Toncan Metal, Black & Galvanized), Canton, O.
Trumbull Steel Co., Warren, O.
**VEITHARDT STEEL & METAL CORP.,** (Plain & Corrugated), 15 Park row, New York
Universal Rolling Mill Co. (Bessemer & Open Hearth Steel Shovel, Nail & Tack Plate). Bridgeville, Pa.
Van Brunt J. A. & Co., Inc., 114 John, New York
Weirton Steel Co. (Steel Sheets for Stamped Ware, Stove Pipe & Enameling & Galvanizing Stock), Weirton, W. Va.
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
West Penn Steel Co. (All Grades of Basic Open Hearth Steel Sheets), Brackenridge, Pa.
Wheeling Steel & Iron Co. (Bessemer Steel. Black Sheets), Wheeling, W. Va.
Whitaker-Glessner Co. (Open Hearth Steel Box Annealed Black Sheets, Blue Annealed Sheets), Wheeling, W. Va.
Wood Alan Iron & Steel Co. ("A.W." Refined Iron & Basic Open Hearth Steel, Black & Galvanized), Widener bldg., Phila., Pa.
Wood J. & Bros. Co. Inc. (Sheet & Corrugated Iron & Blue Annealed Sheets), Conshohocken, Pa.
Wyoming Shovel Works (Crucible & Open Hearth Steel Sheets & Light Plates), Wyoming, Pa.
Youngstown Sheet & Tube Co. (Common & Double Refined Puddled Iron Sheets, Black & Galvanized Steel Sheets, Roofing, etc), Youngstown, O.

## 6716—Iron & Steel Sheet (Electrical)

See also Iron & Steel Sheet, Black & Galvanized

Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.
American Rolling Mill Co. ("Armco" Open Hearth Steel Sheets, Special Electric Analysis), Middletown, Ohio
American Sheet & Tin Plate Co. (Soft Steel Sheets, Doubled Annealed & Cold Rolled & Annealed Finishes), Frick bldg, Pittsburgh, Pa.
Crowley John A. Co., 120 Liberty, New York
Falcon Steel Co., Niles, Ohio
Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*
Inland Steel Co., First Nat'l Bank bldg, Chicago, Ill.
Massillon Rolling Mill Co., Massillon, O.
Republic Iron & Steel Co. (Open Hearth Steel), Niles Wks, Niles, O.
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Ryerson Jos T. & Son, 910 Corn Exch. bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Trumbull Steel Co. Warren, O.
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
*See adv index at end of book*
West Penn Steel Co. (Steel Only), Brackenridge, Pa.
**Whitaker-Glessner Co. (Electrical Sheet Steel), Wheeling, W. Va.**
Wood J. & Bros. Co., Inc. (B Annealed), Conshohocken, Pa.

## Iron & Steel Sheet (Galvanized)

See Iron & Steel Sheet, Black & Galvanized

## 6717— Iron & Steel Skelp

(This List contains only those Firms who Manufacture Skelp for Sale)

Allegheny Steel Co. (Open Hearth Steel), Oliver bldg, Pittsburgh, Pa.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Blandon Rolling Mill (Iron Only), Blandon, Pa.
Brooke E. & G. Iron Co. (Iron Skelp), Birdsboro, Pa.
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.
Glasgow Iron Co. (Iron Only), Pottstown, Pa.
**HARRISBURG PIPE & PIPE BENDING CO.** (Steel Boiler Tube Skelp), Harrisburgh, Pa.
LaBelle Iron Works (Steel Only), Steubenville, O.
Logan Iron & Steel Co. (Socket Iron, etc), St. Girard bldg., Phila., Pa.
Moorhead Bros. & Co., Sharpsburg, Pa.
Reeves Mfg. Co. (Charcoal Iron), Dover, O.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
Spang Chalfant & Co. (Pipe Iron), Union Bank bldg, Pittsburgh, Pa.
Wheeling Steel & Iron Co. (Grooved Skelp Steel, etc), Wheeling, W. Va.
Wood J. & Bros. Co. (Fine Iron), Conshohocken, Pa.
Youngstown Sheet & Tube Co. (Wrought Iron & Bessemer & Open Hearth Steel Skelp), Youngstown, O.

## 6718—Iron & Steel (Swedish & Norway)

Bacon & Co. (Norway & Swedish Iron), 107 Oliver, Boston, Mass.
Dodge Haley Co., 218 High, Boston, Mass.
Federal Tool & Alloy Steel Corp. (Tool & Drill Steel, American & Swedish; Swedish & Norway Iron), 233 Broadway New York

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

IRON & STEEL (SWEDISH & NORWAY) —continued

Froment & Co., 150 Bank, New York
General Trading & Export Co., Inc., Whitney Central bldg, New Orleans, La.
*See adv index at end of book*

**General Trading and Export Co., Inc.**
**MARCEL REY, General Manager**
New Orleans, U. S. A.
Swedish and Norway Bars,
Tool Steel, Welding Wire
Stock Shipments, Large Assortment

**HARVEY ARTHUR C. CO.**, Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
Houghton & Richards, 145 Oliver, Boston, Mass.
Illingworth John Steel Co., Tacony & Lewis, Phila., Pa.
Lundberg Gustaf, Board of Trade bldg, Boston, Mass.
Milne A. & Co. (Norway Iron & Steel), 741 Washington, New York
Morris E. K. & Co. (Jobbers Norway Iron), 317 W 2nd, Cincinnati, O.
Class L. Co., 132 Pearl, New York
Potts Horace T. & Co. (Of all Kinds), 318 N 3d, Phila., Pa.
Todd Jno. H. L. (Swedish), 50 Broad, New York
Wheelock Lovejoy & Co. (Imp), 23 Cliff, New York

### 6718a— Iron Sulphide

General Chemical Co., 25 Broad, New York
Penn Salt Mfg. Co., Widener bldg, Phila., Pa.

### 6719—Irons (Awning Frame)

Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.

### 6720— Irons (Beck)

Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.

### Irons (Branding)
See Burning Brands

### 6721— Irons (Break)

Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.

### 6722— Irons (Breast Collar)

Frazer & Jones Co., Syracuse, N. Y.

### 6723— Irons (Burling)

Bullock Mfg. Associates, Springfield, Mass.
Parkinson Edw. Mfg. Co., 84 Sprague, Providence, R. I.
Stortz John & Son, 210 Vine, Phila., Pa.

### 6724— Irons (Cable)

Nagel W. G. Electric Co., Toledo, O.

### Irons (Calking)
See Tools, Calking

### 6725— Irons (Car Ladder)

Kansas City Bolt & Nut Co., Kansas City, Mo.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

### 6726— Irons (Chafe or Rub)

**Brady** Electric Mfg. Co. ("Brady's" Brass & Bronze Bearing Roller), New Britain, Conn.
Cately & Ettling (Roller Chafe), Cortland, N. Y.
Chase Parker & Co., 81 Pearl, Boston, Mass.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*
National Roller Chafe Iron Co., West Medway, Mass.

### 6727— Irons (Chair)

Globe Co., Sheboygan, Wis.
Jenkins Machine Co., Sheboygan, Wis.

### 6728— Irons (Clamp)

Stearns E. C. & Co. (Also Door Frame Iron), 450 Oneida, Syracuse, N. Y.

### 6729— Irons (Coopers')

White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

### 6730— Irons (Curling)

American Elec'l Heater Co., Detroit, Mich.
Cassady Fairbanks Mfg. Co., 6126 S La Salle, Chicago, Ill.
Houchin Thos. W. Co., 36 E 12th, New York
Landers, Frary & Clark (Electric), New Britain, Conn
Manhattan Electrical Supply Co., 17 Park pl, New York *See adv index at end of book*
Nicol & Co. ("Grace Darling"), 218 N Jefferson, Chicago, Ill.
Pelouze Mfg. Co. (Electric), 232 E Ohio, Chicago, Ill.
Russell Elect. Co. ("Hold Heet"), Chicago, Ill.
Slaughter Wm. ("Schwartz" Electric), 1712 S Michigan av, Chicago, Ill.
Vulcan Electric Heating Co. ("Vulcan," Self-Heating Electric), 107 W 13th, New York
Westinghouse Elec & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

### 6731— Irons (Dog)

A. & J. Mfg. Co., Gadsden, Ala.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bethlehem Steel Co., So Bethlehem, Pa.
Birmingham Stove & Range Co. (Cast Iron), Birmingham, Ala.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gray & Dudley Hardware Co., Nashville, Tenn.
Harriman Mfg. Co., Harriman, Tenn.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.
King Stove & Range Co., Sheffield, Ala.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Price-Evans Foundry Co., Chattanooga, Tenn.

### 6732—Irons (Gooseneck & Top Rest)

Ashtabula Bow Socket Co. (Small Drop Forged, Automobile, etc), Ashtabula, O.

### 6733— Irons (Grab)

Kansas City Bolt & Nut Co., Kansas City, Mo.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

### 6734— Irons (Grappling)

Wilcox, Crittenden & Co. Inc., Middletown, Conn. *See adv index at end of book*

### 6735—Irons (Hair Pinching)

Nicol & Co. ("Cape May"), 218 N Jefferson, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*

### 6735a— Irons (Hawsing)

Drew, C., & Co., Kingston, Mass.
Marine Hdwe. Equipment Co., So. Portland, Me.
New York Mallet & Handle Wks., 743 E 11th, New York

### 6736—Irons (Lead Pipe Bending)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Plomb Tool Mfg. Co., 2209 Sante Fe av Angeles, Cal.

### 6737—Irons (Neck Yoke, Single & Whiffletree)

Collins, Hilton Co., Louisville, Ky.
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Harvey Spring & Forging Co., Racine, Wis.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Ransome Concrete Machinery Co., Dunellen, N. J.
Wrought Washer Mfg. Co. (Steel), Milwaukee, Wis.

### 6738—Irons (Painters' Scaffold)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

### 6739— Irons (Pinking)

Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*

### 6740— Irons (Plane)

Buck Bros. (Cut Double & Plane), Millbury, Mass.
Chapin-Stephens Co., Pine Meadow, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Sandusky Tool Co., Sandusky, O.
Sargent & Co., New Haven, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Union Mfg. Co., 300 Church st & R. R. crossing, New Britain, Conn.
*See adv index at end of book*
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

### Irons (Polishing)
See Sad Irons

### 6741— Irons (Porch Post)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Grey Iron Casting Co., Mt. Joy, Pa.
Kramer Bros. Foundry Co., Dayton, O.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Susquehanna Casting Co., Wrightsville, Pa.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

### 6741a— *Irons (Reaming)

Marine Hdwe. Equipment Co., So. Portland, Me.

### 6742— Irons (Rig)

Chrisman Foundry Co., Morgantown, W. Va. *See adv index at end of book*
Gowanda Agricultural Works, Gowanda, N. Y.
Kansas City Bolt & Nut Co. (Bolts & Nuts), Kansas City, Mo.

### 6743— Irons (Rub)

Defiance Machine Works ("Dickman"), Defiance, O.
Harvey Spring & Forging Co., Racine, Wis.
Stowell Co. The, So Milwaukee, Wis.

### 6744— Irons (Sash Cord)

Allen & Son Co. ("Bulldog"), Hartford, Conn.
Conn. Cord Iron Corp., Norwich, Conn.
Jenks H. F. Co., Pawtucket, R. I.
Peck, Stow & Wilcox Co., Southington, Conn.

**Sargent & Co., New Haven, Conn.**
**S. & I. Co. ("Titan"), Springfield, Mass.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 6745— Irons (Stake)

**Badger Malleable & Mfg. Co., South Milwaukee, Wis.**
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
**STANLEY WORKS, New Britain, Conn.**
*See adv index at end of book*
Stowell Co. The (Malleable Steel), So Milwaukee, Wis.

## 6746— Irons (Stanchion)

**Adams Co., Dubuque, Ia.**
American Standard Shipfitting Corp., 115 B'way, New York
*See adv index at end of book*
**Cheney S. & Son, Manlius, N. Y.**
**James Mfg. Co., Ft. Atkinson, Wis.**
**Klauer Mfg. Co. Dubuque, Ia.**
**Loetscher-Ryan Mfg. Co., Dubuque, Ia.**
**Swift Stanley C. Mfg. Co., Cuba, N. Y.**

## 6747— Irons (Storm Stoop)

**Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.**

## 6748— Irons (Timbale)

**Wrightsville Hardware Co., Wrightsville, Pa.**

## 6749— Irons (Tire)

**See also Tools, Automobile**

Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
**Mossberg Frank Co. (For Motorcycles), Attleboro, Mass.**
Osborne S. & Co. (Pry Bar), Box 183, Newark, N. J. *See adv index at end of book*

## 6750— Irons (Top)

**Amesbury Brass & Foundry Co. (Slats), Amesbury, Mass.**
**Anderson Forge & Machine Co., Detroit, Mich.**
**Ashtabula Bow Socket Co. (Goosenecks & Bow Rest Irons), Ashtabula, O.**
**Brewer-Tichener Corp. ("Ajax" Shifting Rails), Cortland, N. Y.**
**Cowles C. & Co. ("New York" & "Phila." Slat Irons), New Haven, Conn.**
**Detroit Forging Co. (Shafting Rails), 120 Mt. Elliot av, Detroit, Mich.**
**General Drop Forge Co., Buffalo, N. Y.**
**Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.**
**Newton W. H. & Son (Gooseneck Irons), Cortland, N. Y.**
**Scherer H. & Co., 280 E Jefferson, Detroit, Mich.**
**Springfield Auto Top & Upholstering Co. (Slat Irons), Springfield, Mass.**
**Woodruff Walter W. & Sons Co. (Slat Irons), Mt. Carmel, Conn.**

## 6751— Irons (Tuyere)

**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
**Barber Mfg. Co., Ashtabula, O.**
**Barcus Mfg. Co., Wabash, Ind.**
**Canedy-Otto Mfg. Co., Chicago Heights, Ill.**
**Champion Blower & Forge Co. ("Whirlwind," Blast Anti-Clinker), Lancaster, Pa.**
**Climax Fire Brick Co. (Bessemer), Climax, Clarion Co., Pa.**
**Foote J. B. Foundry Co., Fredericktown, Ohio**
**Grace C. M. & Co., Huntsville, Ala.**
**Illinois Iron & Bolt Co. ("Norton," "Warren," "Clark," "Duck Nest"), Carpentersville, Ill.**
**Roots P. H. & F. M. Co., Connersville, Ind.**
**South Bend Foundry Co., South Bend, Ind.**
**Southern Skein & Foundry Co., Chattanooga, Tenn.**
**Stanley Geo. W. Co., Belleville, Ill.**
**Towers & Sullivan Mfg. Co., Rome, Ga.**
**Wrightsville Hardware Co. ("L. S. I. Co."), Wrightsville, Pa.**

## 6752— Irons (Waffle)

**Andresen Hardware Co. ("Hart Shape"), 724 S 6th, Minneapolis, Minn.**
**Birmingham Stove & Range Co. (Roller, Cast Iron), Birmingham, Ala.**
**Crane Wm. M. Co. ("Vulcan Gas"), 16 W 32d, New York**
**Fanner Mfg. Co. (Wire or Wood Handle), Cleveland, O.**
**Griswold Mfg. Co. ("Greswold-American"), Erie, Pa.**
**Indiana Hollow Ware Co. ("New Era," also Revolving), Jeffersonville, Ind.**
**New England Novelty Works, Hill, N. H.**
**Phillips & Buttorff Mfg. Co., Nashville, Tenn.**
**Reading Hardware Co., Reading, Pa.**
**Slover Mfg. & Engine Co., Freeport, Ill.**
**Stuart & Peterson Co., Burlington, N. J.**
**Van John Range Co., 5th & Broadway, Cincinnati, O.**
**Wagner Mfg. Co., Sidney, O.**
**Wrightville Hardware Co., Wrightville, Pa.**

## 6753—*Irons (Wagon Dump)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*

## 6754— Irons (Wagon Stake)

Noll Bros. (Pressed Steel), 849 Allis, Milwaukee, Wis.

## 6755— Irons (Wall)

Bethlehem Steel Co., So Bethlehem, Pa.

## 6756-7—Irons & Braces (Corner)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
American Shovel & Stamping Co., Lorain, O.
Auer, John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Grammes, L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Bossert Corp., Cor. Linden & West av, Utica, N. Y. *See adv index at end of book*
Brewer Bros. Co. (Wrought Extension), 2nd & Somerset, Phila., Pa.
Chicago Hardware Foundry Co. (Cast Iron), North Chicago, Ill.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel & Bronze), St. Louis, Mo.
Hardware Supply Co., Grand Rapids, Mich.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Merwin Mfg. Co. (Pressed Steel), Erie, Pa.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
National Mfg. Co. (Wrought Steel), Sterling, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS** (Wrought Steel), New Britain, Conn.
*See adv index at end of book*
Stowell Co. The, So Milwaukee, Wis.
Western Steel Car & Foundry Co., 722 S Michigan, Chicago, Ill.
Wrought Washer Mfg. Co., Milwaukee, Wis.

## Irrigating Strainers

See Strainers, Irrigating

## 6758— Isinglass

American Glue Co. ("Cape Ann"), 121 Beverly, Boston, Mass.
Atlantic Isinglass Co., Boston, Mass.
Gloucester Isinglass & Glue Co., Gloucester, Mass.
Haskin L. M. (For Brewers, etc.), 131 State, Boston, Mass.
Howe & French Isinglass Co. ("Ripley"), State, Boston, Mass.
Reisig Chas. H., Imp., 269 Water, New York
Rockport Isinglass Co., Rockport, Mass.

## 6759— Ivory Black

Binney & Smith Co., 81 Fulton, New York
Coulson J. W. & Co. (Imp), 80 Maiden la, New York
Doggett, Stanley (Imp), 11 Cliff, New York
Osborn C. J. Co., 132 Nassau, New York
Scheel Wm. H. (Imported), 159 Maiden la, New York
*See adv index at end of book*
Seaver & Co., 120 Milk, Boston, Mass.
Siemon & Elting, 99 Nassau, New York
Smith J. Lee Co., 19 Jacob, New York

## 6760— Ivory Goods

Kapp A. Jos. Sons Ivory Co., 124 E 14th, New York
Tower Sylvester Co., Cambridge, Mass.

## 6761— Ivory Importers

Arnold Cheney & Co., 82 Beaver, New York
Childs Parr & Joseph (Imp), 60 Wall, New York
Kaldenberg Trading Co., 433 Broome, New York
Landsberg Hugo Co., 260 W B'way, New York
Miltenberg Emil, 563 B'way, New York

## 6762— Jack-Stones

Grey Iron Casting Co., Mt. Joy, Pa.
Wrightsville Hardware Co., Wrightsville, Pa.

## 6763— Jack-Straps

Aschenbach Henry Saddlery Co., 71 Warren, New York
Boyle John & Co., 112 Duane, New York
Buhrke, R. H. Co., 1250 Fullerton, Chicago, Ill.
Dicke Tool Co. ("Howe"), Downers Grove, Ill.
Klein Mathias & Sons, 3200 Belmont, Chicago, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.

## 6764— Jackets (Furnace)

Columbiana Boiler Co., Columbiana, O.
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Fabricated Steel Products Corp., Box 505, Leetonia, O.
*See adv index at end of book*
Weimer Machine Works Co., Lebanon, Pa.

## 6765— Jackets (Milk Can)

Oakes & Burger Co. (Felt), Cattaraugus, N. Y.

## 6766— Jackets (Smelting)

Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 6767—Jackets (Water, for Smelting Plants)

Dover Boiler Works, Sales Office; 40 Church, New York; Works: Dover, N. J.
*See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O.
*See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa.
Treadwell Construction Co. Midland, Pa.

## Jacks (Armature)

See Lifts, Motor, Car Pit

## 6768—*Jacks (Automatic Lowering)

**DUFF MFG. CO.,** N S, Pittsburgh, Pa.
*See adv index at end of book*
**ROGERS H. A. CO.,** 87 Walker, New York *See adv index at end of book*

## 6769— Jacks (Automobile)

**See also Jacks, Wagon; also Jacks, Various Kinds**

Adell Mfg. Co. ("Adell"), Orange, Mass.
Alsteel Mfg. Co. ("Alsteel" Tire Saving), Battle Creek, Mich.
Ashland Mfg. Co., Ashland, O.
Ashland Products Co., Ashland, O.
Barth Mfg. Co., Milwaukee, Wis.
Batavia Clamp Co. ("Colt's"), Batavia, N. Y.
Buckeye Jack Mfg. Co. ("Buckeye" Automatic, etc), Alliance, O.

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Cal-Stapley Mfg. Corp., West Haven, Conn.
Covert Mfg. Co. ("Covert's"), Troy, N. Y.
**DEWES A. CO., (The),** 199 Lafayette, New York.
**DUFF MFG. CO.,** N S, Pittsburgh, Pa.
*See adv index at end of book*
Elite Mfg. Co. ("Reliable"), Ashland, O.
Gemco Mfg. Co. ("Gemco," Tire Saving), Milwaukee, Wis,
Herbert Alfred, Ltd., 54 Dey, New York.
*See adv index at end of book*
Jiffy Jack Co., 10209 Quincy, Cleveland, Ohio
Joyce-Cridland Co., Dayton, O.
Lane Bros. Co. ("Lane's" "H-C"), Poughkeepsie, N. Y.
Lovell-McConnell Mfg. Co. ("Raiswell"), 194 Wright, Newark, N. J.
Maxon-Miller Jack Co., Huntington, W. Va.
Nat'l Jack Co., 2nd & Central, Cinnati, O.
National-Standard Co. ("Standard," "Kazoo," "Leader"), Box 211, Niles, Mich.
Oliver Mfg. Co. ("E-Z," "Peerless," "New Samson"), 326 S Desplaines, Chicago, Ill.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill
Republic Auto Parts Co., 81-10th, Long Island City, N. Y.
Rogers H. A. Co., 87 Walker, New York
*See adv index at end of book*
Rowe Calk & Chain Co. ("Hi-Lo"), Plantsville, Conn.
Shawver Co. ("Springfield," on Wheels), Springfield, O.
**SPENCER'S I. S. SONS, INC.** ("Acme"), Guilford, Conn.
Templeton Kenly & Co., Ltd., 1020 S Central av, Chicago, Ill.
Vanderpool Wm., Springfield, O.
Walker Mfg. Co. (Ratchet & Screw, & Combination Ratchet & Screw), Racine, Wis.
Weaver Mfg. Co. ("Weaver Auto-Twin," on Wheels), Springfield, Ill.

## 6770— Jacks (Boot)

Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*

## 6771— Jacks (Bridge)

Buckeye Jack Mfg. Co., Alliance, O.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
**DUFF MFG. CO.,** N S, Pittsburgh, Pa.
*See adv index at end of book*
Maxon-Miller Jack Co., Huntington, W. Va.
National-Standard Co. ("Standard"), Box 211, Niles, Mich.
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
Rogers H. A. Co., 87 Walker, New York
*See adv index at end of book*
Templeton Kenly & Co., Ltd., 1020 S Central av, Chicago, Ill.

## 6772— Jacks (Cable Reel)

Anderson Forge & Machine Co., Detroit, Mich.
Buckeye Jack Mfg. Co. ("Buckeye"), Alliance, O.
**DUFF MFG. CO.,** N S, Pittsburgh, Pa.
*See adv index at end of book*
Hallett Iron Works ("Hallett"), Harvey, Ill.
Kelly L. J. Mfg. Co., Albany, N. Y.
Norris Electric Specialties Co. ("Mullin"), 126 Liberty, New York
Templeton Kenly & Co., Ltd, 1020 S Central av, Chicago, Ill.

## 6773— Jacks (Car)

Brill J. G. Co. ("Hercules"), 62d & Woodland av, Phila., Pa.
Buckeye Jack Mfg. Co., Alliance, O.
Buda Co., Railway Exch bldg, Chicago. Ill.
Chapman Jack Co. ("Chapman") 45th & Lakeside av, Cleveland, O.
Deweese F. M. & Co. ("Mosher"), Chillicothe, O.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
**DUFF MFG. CO.,** N S, Pittsburgh, Pa.
*See adv index at end of book*
Joyce-Cridland Co., Dayton, Ohio
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Lane Bros. Co., Poughkeepsie, N. Y.
Lovejoy Tool Works ("Car Inspection"), 319 W Ohio, Chicago, Ill.
*See adv index at end of book*
Maxon-Miller Jack Co. (Improved Maxon-Miller Lever), Huntington, W. Va.
National-Standard Co. ("Standard" Triple & Automatic Lowering), Box 211, Niles, Mich.
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
Pearson Jack Co. ("Pearson"), 185 Franklin, Boston, Mass.
**ROGERS H. A. CO.,** 87 Walker, New York
*See adv index at end of book*
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Templeton Kenly & Co. (Ltd.) ("Simplex"), 1020 S Central av, Chicago, Ill.

## Jacks (Car Journal)

See Jacks, Car

## Jacks (Car Pit)

See Lifts, Motor, Car Pit

## Jacks (Car Replacing)

See Jacks, Car

## Jacks (Carriage)

See Jacks, Wagon

## 6774—Jacks (Engine Centering)

McMaster-Carr Supply Co. ("Chicago," for Turning Engine off Centre), 174 N Market, Chicago, Ill.

## 6775— Jacks (Gas Pumping)

Masseth Packer & Machine Co., Butler, Pa.

## Jacks (Geared)

**See Jacks, Ratchet**

## 6776— Jacks (Hatters')

**Watson L. S. Mfg. Co., Leicester, Mass.**

## 6777— Jacks (House-Raising)

American Skein & Foundry Co. ("A. S. & F. Co." Press Screws), Racine, Wis.
Buckeye Jack Mfg. Co., Alliance, O.
**DUFF MFG. CO.,** N S, Pittsburgh, Pa.
*See adv index at end of book*
Elite Mfg. Co., Ashland, O.
Illinois Iron & Bolt Co. (Press Screws for House Raising), Carpentersville, Ill.
Joyce-Cridland Co., Dayton, O.
McKeenan-Terry Drill Co. ("Atlas", 15 Park Row, New York
Maxon-Miller Jack Co. (Improved "Maxon Miller" Lever), Huntington, W. Va.
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
Rock Island Mfg. Co., Rock Island, Ill.
Rogers H. A. Co., 87 Walker, New York
*See adv index at end of book*
Springfield Foundry Co., Springfield, Mass.
Swett A. L. Iron Works, Medina, N. Y.

## 6778— Jacks (Hydraulic)

Anderson Forge & Machine Co., Detroit, Mich.
Bethlehem Steel Co., South Bethlehem, Pa.
De Huff & Hopkins, 1421 Chestnut, Phila., Pa.
Dienelt & Eisenhardt ("Reliance"), 1304 N Howard, Phila., Pa.
Dudgeon Richard ("Universal"), 24 Columbia, New York
**ELMES CHAS. F. ENGINEERING WORKS, INC.,** cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Henderer's A. L. Sons, Wilmington, Del.
Irving Mfg. & Tool Co. ("Tangye's," Imported, etc), 157 Chambers, New York
Joyce-Cridland Co., Dayton, O.
Justice Philip S. & Co. ("Reliance"), 421 Chestnut, Phila., Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Keystone Iron Works., 37th & Santa Fe av, Los Angeles, Cal.
**McKIERNAN-TERRY DRILL CO.,** 17 Park Row, New York.
*See adv index at end of book*
Union Iron Works, Hoboken, N. J.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*

## 6779— Jacks (Ladder)

Bettcher Stamping & Mfg. Co. (Painters), 6120 Clark av, S. W. Cleveland, O.
*See adv index at end of book*
Krewson T. C., 301 Master, Phila., Pa.
Steel Scaffolding Co., Evansville, Ind.

## Jacks (Lifting)

See Jacks, Track, Lifting, etc

## Jacks (Locomotive)

See Jacks, Screw, Locomotive, Bell Base, etc.

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Jones S. M. Co., Toledo, O.
Lucey Mfg. Corp., 233 B'way, New York.
*For branch offices see Alphabetical Section*
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
Templeton Kenly & Co. ((Simplex") 1020 Central av, Chicago, Ill.

## 6781—Jacks (Oil Well Casing)

Lucey Mfg. Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*
Masseth Packer & Machine, Co., Butler, Pa.

## 6782— Jacks (Pipe Forcing)

**DUFF MFG. CO.,** N S, Pittsburgh, Pa.
*See adv index at end of book*

## 6783— *Jacks (Pit)

**WATSON-STILLMAN CO.** (Hydraulic), 38 Church, New York
*See adv index at end of book*

## 6784-5—Jacks (Planer & Lathe)

Armstrong Bros. Tool Co. ("Armstrong"), 339 N Francisco av, Chicago, Ill.

## Jacks (Pneumatic Pit)

See Lifts, Motor, Car Pit

## 6786— Jacks (Pulling)

Channon Jas. H. Mfg. Co. (Ratchet), 227 W Erie, Chicago, Ill.
**DUFF MFG. CO.,** N S, Pittsburg, Pa.
*See adv index at end of book*
Joyce-Cridland Co., Dayton, O.
Pearson Jack Co. ("Pearson"), 185 Franklin, Boston, Mass.
Templeton Kenly & Co. Ltd. (Pole), 1020 S Central av, Chicago, Ill.

## 6787— Jacks (Pumping)

See Also Well Drilling Machines

American Well Works (Geared), Aurora, Ill.
Appleton Mfg. Co., Batavia, Ill.
Associated Mfrs. Co. ("Amanco"), Waterloo, Ia.
Baker Mfg. Co., Evansville, Wis.
Brunner Machy. Co., Peru, Ill.
Butler Co., Butler, Ind.
Cedar Rapids Foundry & Machine Co., Cedar Rapids, Ia.
Challenge Co. ("Challenge," "Dandy"), Batavia, Ill.
Chamberlain Machine Works ("Chamberlain"), Waterloo, Ia.
Charter Gas Engine Co. ("Sterling"), Sterling, Ill.
Chicago House Wrecking Co., of Minn. Inc., 803 Fillmore av, St. Paul, Minn.
Clark & Norton Mfg. Co., Wellsville, N. Y.
Crestline Mfg. Co., Crestline, O.
Cushman Motor Works, Lincoln, Neb.
Davis-Hansen Co., Oshkosh, Wis.
Dempster Mill Mfg. Co. ("Dempster"), Beatrice, Neb.
Douglas W. & B., Middletown, Conn.
Duplex Mfg. Co. ("Duplex"), Superior, Wis.
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Enterprise Iron Wks., Albert Lea, Minn.
Fairbanks, Morse & Co. ("Fairbanks Morse," "Handy," "Eclipse"), 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Freeman Mfg. Co., Racine, Wis.
Gehl Bros. Mfg. Co., West Bend, Wis.
Gilson Mfg. Co., Port Washington, Wis.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hayes Pump & Planter Co., Galva, Ill.
Humphryes Mfg. Co., Mansfield, O.
International Harvester Company of America, Inc., Harvester bldg, Chicago, Ill.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Kansas City Engine Works ("Elliott"), Kansas City, Mo.
Lane Bros. Co., Poughkeepsie, N. Y.
Lennox Machine Co., 2558 W 16th, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Marseilles Works of Deere & Co., East Moline, Ill.
Mast, Foos & Co. ("Buckeye"), Springfield, O.
Moore Plow & Implement Co., Greenville, Mich.
**MYERS F. E. & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*
New Way Motor Co., Lansing, Mich.
New Winona Mfg. Co., Winona, Minn.
Norris W. C. Tulsa, Okla.
Perkins Wind Mill Co., Mishawaka, Ind.
Peters Pump Co., Kewanee, Ill.
Plattner-Yale Mfg. Co., Lincoln, Neb.
Red Jacket Mfg. Co., Davenport, Ia.
Reeves Pulley Co., Columbus, Ind.
San Antonio Machine & Supply Co., San Antonio, Texas
Schmidt B. L. Co. ("Schmidt"), Davenport, Ia.
Spang & Co., Butler, Pa.
Sparta Iron Works Co. (Geared), Sparta, Wis.
Steiner M. & Co., Dayton, O.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Sun-Power Engine Co., Detroit, Mich.
Thompson Plow & Engine Works, Beloit, Wis.
Trahern Pump Co. ("Trahern"), Rockford, Ill.
Turner Mfg. Co. ("Simplicity"), Port Washington, Wis.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Waterloo Gasoline Engine Co., Waterloo, Iowa

## 6788— Jacks (Punch)

Yost Mfg. Co. (All Cast Steel), Meadville, Pa.

## 6789— Jacks (Pushing)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Pearson Jack Co. ("Pearson"), 185 Franklin, Boston, Mass.

## Jacks (Railroad)

See Jacks, Car; also Jacks, Track

## 6790— Jacks (Ratchet)

American Skein & Foundry Co. (Bell Base & Tripod Ratchet Jack Screws), Racine, Wis.
Buckeye Jack Mfg. Co., Alliance, O.
Buda Co., Railway Exchange bldg, Chicago, Ill.
Channon Jas. H. Mfg. Co. (Ratchet Pulling), 227 W Erie, Chicago, Ill.
**DUFF MANUFACTURING CO.,** N S, Pittsburgh, Pa.
*See adv index at end of book*
Illinois Iron & Bolt Co. (Ratchet Jack Screws), Carpentersville, Ill.
Joyce-Cridland Co., Dayton, O.
Justice Philip S. & Co. (Ball Bearing Screw), 421 Chestnut, Philadelphia, Pa.
Kalamazoo Railway Supply Co. (Also Friction), Kalamazoo, Mich.
Lane Bros. Co., Poughkeepsie, N. Y.
Lovejoy Tool Works (Cone-Bearing for Car Inspectors), 319 W Ohio, Chicago, Ill. *See adv index at end of book*
Munnsville Plow Co. (Ratchet Jack Screws), Munnsville, N. Y.
National-Standard Co. ("Standard"), Box 211, Niles, Mich
Norton A. O., Inc., 440 Brookline av, Boston, Mass.
Pearson Jack Co. ("Pearson" Ratchet Journal), 185 Franklin, Boston, Mass.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Rock Island Manufacturing Co., Rock Island, Ill.
Rogers H. A. Co., 87 Walker, New York
*See adv index at end of book*
Templeton Kenly & Co. (Ltd.), 1020 S Central av, Chicago, Ill.
Walker Mfg. Co., Racine, Wis.

## Jacks (Reel)

See Jacks, Cable Reel

## 6791— Jacks (Robie)

Richle Bros. Testing Machine Co., 1424 N 9th, Philadelphia, Pa.
Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.

## 6792—Jacks (Screw, Locomotive, Bell Base, Etc.)

American Skein & Foundry Co. ("A. S. & F. Co." Locomotive Jack Screws), Racine, Wis.
Brill J. G. Co., 62d & Woodland av, Philadelphia, Pa.
Buckeye Jack Mfg. Co., Alliance, O.
Buda Co., Railway Exchange bldg., Chicago, Ill.
Chapman Jack Co. ("Chapman"), 45th & Lakeside av, Cleveland, O.
Deweese F. M. & Co. ("Mosher"), Chillicothe, O.

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JACKS (SCREW, LOCOMOTIVE, BELL BASE, ETC.)—continued

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*See adv index at end of book*

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

Illinois Iron & Bolt Co. ("I. I. & B. Co." Tee Top, Car Box, Bell Base Ratchet, Tripod Ratchet, Ratchet Carrying, Truck & Wagon, Pulling, Telescopic, etc), Carpentersville, Ill.

Irving Mfg. & Tool Co., 157 Chambers, New York

Janney & Co., Montgomery, Ala.
*See adv index at end of book*

Joyce-Cridland Co. (Geared), Dayton, O.

Justice Philip S. & Co. (Ball Bearing), 421 Chestnut, Phila., Pa.

Kalamazoo Railway Supply Co., Kalamazoo, Mich.

Lovejoy Tool Works ("Ball's Telescopic & Cone-Bearing Ratchet Screw"), 319 W Ohio, Chicago, Ill.
*See adv index at end of book*

**McKIERNAN-TERRY DRILL CO.**, 17 Park Row, New York
*See adv index at end of book*

**McKinnon Iron Works Co. (Nick-I-Works Co.)**, Ashtabula, O.

McMaster-Carr Supply Co. ("Chicago," Engine Jack), 174 N Market, Chicago, Ill.

Maxon-Miller Jack Co. ("Maxon-Miller" Lever), Huntington, W. Va.

Millers Falls Co., 28 Warren, New York

Munnsville Plow Co. (Ratchet Jack Screws), Munnsville, N. Y.

New London Vise Works ("Peerless" Bell Bottom), New London, Conn.

Norton A. O. Inc. (Ball Bearing Ratchet, Srew & Locomotive), 440 Brookline av, Boston, Mass.

Oliver Mfg. Co. ("E-Z"), 326 S Desplaines, Chicago, Ill.

Pearson Jack Co. ("Pearson" Screw Jacks), 185 Franklin, Boston, Mass.

Rock Island Mfg. Co., Rock Island, Ill.

Rogers H. A. Co., 87 Walker, New York
*See adv index at end of book*

Templeton, Kenly & Co. ("Simplex"), 1020 S Central av, Chicago, Ill.

**WATSON-STILLMAN CO.**, 38 Church, New York
*See adv index at end of book*

## 6792a— Jacks (Ship)

Templeton, Kenly & Co., Ltd., 1020 S Central av, Chicago, Ill.

## 6793-4—Jacks (Stone, Log, Etc.)

Allis-Chalmers Mfg. Co. (Log), Milwaukee, Wis.

Brunner & Lay (Stone), 570 W Polk, Chicago, Ill.

Buckeye Jack Mfg. Co., Alliance, O.

Burnett Fdry. & Machine Works, Ltd., Petoskey, Mich.

Channon Jas. H. Mfg. Co. ("Union"), 227 W Erie, Chicago, Ill.

**DUFF MFG. CO.**, N S, Pittsburgh, Pa.
*See adv index at end of book*

Fair Haven Foundry & Machine Co., Inc., Fair Haven, Vt.

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.

Irving Mfg. & Tool Co., 157 Chambers, New York

Joyce-Cridland Co., Dayton, O.

Kelly L. J. Mfg. Co. ("Kelly's Albany"), Albany, N. Y.

Klemm E. R., 1453 Austin av, Chicago, Ill.

Lane Mfg. Co. (Log), Montpelier, Vt.

Lincoln Iron Works (Geared Lifting), Rutland, Vt.

**LINK-BELT CO.**, 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*

Maxon-Miller Jack Co. ("Maxon" Lever), Huntington, W. Va.

Moltz Jacob J., Williamsport, Pa.

Murray D. J. Mfg. Co. (Iron Frame, etc), Wausau, Wis.

O'Leary Arthur J. & Son Co., 65th & S 57th av, Chicago, Ill.

Oliver Mfg. Co., 326 S. Desplaines, Chicago, Ill.

Phoenix Mfg. Co., Eau Claire, Wis.

Rogers H. A. Co., 87 Walker, New York
*See adv index at end of book*

Southern Engine & Boiler Mfg. Co., Jackson, Tenn.

Templeton, Kenly & Co. ("Simplex" Log), 1020 S Central av, Chicago, Ill.

## 6795—Jacks (Track, Lifting, Etc.)

American Skein & Foundry Co. (Locomotive, Car Box & Ratchet Jack Screws), Racine, Wis.

Barth Mfg. Co. ("Barth"), 350 Milwaukee, Milwaukee, Wis.

Buckeye Jack Mfg. Co. ("Buckeye"), Alliance, O.

Buda Co., Railway Exch. bldg, Chicago, Ill.

Burrows Walter R. ("Burrows" Ball Bearing), 80 Maiden la, New York

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.

Chapman Jack Co. ("Chapman"), 45th & Lakeside av, Cleveland, O.

Crerar, Adams & Co. ("Jenne"), 259 E Erie, Chicago, Ill.

Deweese F. M. & Co. ("Mosher"), Chillicothe, O.

Dewes A. Co., (The), 199 Lafayette, New York.

Dudgeon Richard (Hydraulic), 24 Columbia, New York

**DUFF MFG. CO.** ("Barrett"), N S, Pittsburgh, Pa.
*See adv index at end of book*

Fair Haven Foundry & Machine Co., Inc. (Geared), Fair Haven, Vt.

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

Henderer's A. L. Sons, Wilmington, Del.

Hine-Watt Mfg. Co. ("Columbia"), 180 N Market, Chicago, Ill.

Hodgkins J. F. Co., Gardiner, Me.

Illinois Iron & Bolt Co., Carpentersville, Ill.

Irving Mfg. & Tool Co. 157 Chambers, New York

Joyce-Cridland Co. ("Joyce" Pattern), Dayton, Ohio

Justice Philip S. & Co. (Sure Drop), 421 Chestnut, Phila., Pa.

Kalamazoo Railway Supply Co., Kalamazoo, Mich.

Kelly L. J. Mfg. Co. ("Albany"), Albany, N. Y.

Klemm E. R., 1453 Austin av, Chicago, Ill

Maxon-Miller Jack Co. ("Maxon-Miller" Lever), Huntington, W. Va.

National-Standard Co. ("Standard," Trip & Automatic Lowering), Box 211, Niles, Mich.

New London Vise Works, New London, Conn.

Norton A. O. Inc. ("Sure Drop," Ball Bearing), 440 Brookline av, Boston, Mass.

Oliver Mfg. Co. ("Peerless," "Samson," "Oliver," "Weller" & "Klemm," "E Z"), 326 S Desplaines, Chicago, Ill.

Peerless Tool Co. ("Unitool"), 208 S La Salle, Chicago, Ill.

Pratt Wm. E. Mfg. Co. ("Acme"), 35 W Lake, Chicago, Ill.

Rock Island Mfg. Co., Rock Island, Ill.

**ROGERS H. A. CO.**, 87 Walker, New York
*See adv index at end of book*

Star Jack Co., Bloomfield, Ind.

Swett A. L. Iron Works, Medina, N. Y.

Templeton, Kenly & Co. (Ltd.) ("Simplex"), 1020 S Central av, Chicago, Ill.

Union Jack Co., Bloomfield, Ind.

Verona Tool Works, Oliver bldg, Pittsburgh, Pa.

Victor Mfg. Co., Bloomfield, Ind.

Weaver Mfg. Co. ("Twin"), Springfield, Ill.

## 6796—Jacks (Traversing or Traveling)

Dudgeon Richard (Hydraulic), 24 Columbia, New York

**DUFF MFG. CO.**, N S, Pittsburgh, Pa.
*See adv index at end of book*

Joyce-Cridland Co., Dayton, O.

Norton A. O., Inc., 440 Brookline av, Boston, Mass.

## 6797— Jacks (Universal)

**BORGESON MFG. CO., INC.** ("Borgeson" For Machine Tool"), 38 Monroe, Torrington, Conn.
*See adv index at end of book*

**DUFF MFG. CO.**, N S, Pittsburgh, Pa.
*See adv index at end of book*

## 6798— Jacks (Wagon)

See also Jacks, Automobile

American Skein & Foundry Co. ("A. S. & F. Co." Jack Screws), Racine, Wis.

Ames Plow Co., Quincy Hall, Boston, Mass.

Ashland Products Co., Ashland, O.

Barth Mfg. Co. ("Barth"), Milwaukee, Wis.

Batavia Clamp Co. ("Colt's"), Batavia, N. Y.

Buch's A. Sons Co., Elizabethtown, Pa.

Buffum Tool Co. ("Reliable"), South Side Louisiana, Mo.

Chicago Steel Foundry Co., 3701 S Kedzie av, Chicago, Ill.

Covert Mfg. Co. ("Covert's"), Troy, N. Y.

Covert Saddlery Works ("Victor," "Daisy"), Interlaken, N. Y.

Cutaway Harrow Co., Higganum, Conn.

Deweese F. M. & Co. ("Mosher"), Chillicothe, O.

Elite Mfg. Co. ("Reliable"), Ashland, O.

Eureka Mower Co. (Steel & Malleable Iron), 16 Hickory, Utica, N. Y.
Fernald Mfg. Co. ("Victor"), North East, Pa.
Hughes & Smythe, Galena, O.
Illinois Iron & Bolt Co. (Jack Screws), Carpentersville, Ill.
Joy Samuel S. ("New Idea"), Rockingham, N. H.
Kelly L. J. Mfg. Co. ("Samson"), Albany, N. Y.
Klemm E. R., 1453 Austin av, Chicago, Ill.
Lane Bros. Co. ("H-C" Steel), Poughkeepsie, N. Y.
Lansing Co. ("Miller," "Baltimore"), Lansing, Mich.
Lyon Iron Works, Greene, N. Y.
Maxon-Miller Jack Co., Huntington, W. Va.
Metropolis Bending Co., Metropolis, Ill.
Millers Falls Co. ("Power's"), 28 Warren, New York
Moulton C. W. H. Co., Somerville, Mass.
National Jack & Mfg. Co., 130 S Clinton, Chicago, Ill.
National Tubular Axle Co., Emigsville, Pa.
Oliver Mfg. Co. ("Peerless," "Samson," "Oliver" Practical), 326 S Desplaines, Chicago, Ill.
Peppler Thomas Son & Co., Hightstown, N. J.
Pioneer Pole & Shaft Co. ("Winter"), Piqua, Ohio
Porter J. E. Co. ("Porter's" Never-Slip), Ottawa, Ill.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill
Reno Mfg. Co. ("Frey's"), Erie, Pa.
R I. Malleable Iron Works, Hills Grove, R. I.
Richards-Wilcox Mfg. Co. ("Tiger," "Wilcox" & "Richards" Handy), Aurora, Ill.
Rogers H. A. Co., 87 Walker, New York
*See adv index at end of book*
Steel Scaffolding Co. (Wagon & Carriage Wheel), Evansville, Ind.
Swett A. L. Iron Works, Medina, N. Y.
Templeton Kenly & Co. (Ltd.), 1020 S Central av, Chicago, Ill.
Torrey Bros. Co. ("Eclipse," "Champion"), Central Village, Conn.
Whitehurst R. W. Mfg. Corp. ("Boss"), Norfolk, Va.
Woodruff W. W. & Sons Co., Mt. Carmel, Conn.
Young Bros Co., Worcester, Mass.

## 6799— *Jacks (Wrecking)

**DUFF MFG. CO.,** N S, Pittsburgh, Pa.
*See adv index at end of book*
Rogers H. A. Co. 87 Walker, New York
*See adv index at end of book*

## 6800—Jail & Cell Work (Steel)

Alloy Steel Forging Co., Carnegie, Pa.
Barnum E. T. Wire & Iron Works (Steel Cells), 864 Woodward, Detroit, Mich.
Capital Iron Works Co., Topeka, Kans.
Covington Arch'l Iron Works, Covington, Ky.
Crown Iron Works Co., 1229 Tyler, Minneapolis, Minn.
Dyer Bros. Golden West Iron Works, 17th & Kansas, San Francisco, Cal.
East Iron & Machine Co., 351 E Market, Lima, O.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**HALL'S SAFE CO.,** P. O. Box 846, Cincinnati, O. *See adv index at end of book*
Harrigan Safe Co. (Small), Kansas City, Mo.
Hassell Iron Works Co., Colorado Springs, Colo.
Hastings Fdry. & Iron Works, Hastings, Neb.
Lane Thos. Co., Farmers Bank bldg, Pittsburgh, Pa.
Loewer John E. Wire & Iron Works Co., 914 Campbell, Kansas City, Mo.
Mack Iron & Wire Works Co., Sandusky, O.
Manly Jail Works, Dalton, Ga.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
National Iron & Wire Co., Cleveland, O.
Pauly Jail Building Co., 2215 De Kalb, St. Louis, Mo.
Remppis W. F. Iron Wks. Co., 226 Spruce, Reading, Pa.
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Roanoke Iron & Bridge Works, Inc., Roanoke, Va.
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith Fence & Iron Co., Waynesboro, Pa.
Snead Arch'l Iron Works, Louisville, Ky.
Southern Steel Co., San Antonio, Tex.
Southwest Wire & Iron Works Co., Kansas City, Mo.
Standard Iron & Wire Works, Chattanooga, Tenn.
Stewart Iron Works Co., Covington, Ky.
Van Dorn Iron Works Co. (Burglar-Proof, Prison Cells, etc), 2700 E 79th, Cleveland, O.
Verdeckberg Iron & Wire Works Co., Denver, Colo.
Whitehead & Kales Iron Works, Beecher & M C. R. R., Detroit, Mich.

## 6801— Janitors' Supplies

Barnett & Brown (Jobbers), 162 Pearl, New York
Bix Janitor Supply Co., 116 N 9th St. Louis, Mo.
Central Supply Co., 28 S William, New York
Dilley Wm., 22 N 5th av, Chicago, Ill.
Holcomb J. I. Mfg. Co., 1543 Van Buren, Indianapolis, Ind.
Johnson V. E., Tacoma, Wash.
Lewis Samuel, 73 Barclay, New York
U. S. Chemical Co. (All Kinds), Greenville, Ohio.
Wilson Ludwig Brush & Supply Co., 455 S Clark, Chicago, Ill.

## 6801a— *Japan (Water)

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 6802— Japanned Ware Mfrs.

Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Federal Enameling & Stamping Co., Thompson & Chartiers, Pittsburgh, Pa.
Kreamer A., Inc., 307 Kent av, Brooklyn, N. Y.
Schlueter Mfg. Co. ("DeLuxe"), St. Louis, Mo.
Stratton & Terstegge Co., 15th & Main, Louisville, Ky.

## 6803— Japanned Wood

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 6804— Japans

See also Varnish Manufacturers

Bennett Varnish Co ("Carbeno"), 2215 Elston av, Chicago, Ill.
Hilo Varnish Corp. ("Hilo"), Marcy & Flushing avs, Brooklyn, N. Y.
**IMPERVIOUS VARNISH CO.** (Mfrs), 421 Wood, Pittsburgh, Pa.
**THOMSON WOOD FINISHING CO.,** 329 N 3d, Phila., Pa.
*See adv index at end of book*

## 6805— Jardiniers

Crescent Brass Mfg. Co., 8410 Lake av, Cleveland, O.
Farber S W (Brass & Copper), 147 S 5th, Brooklyn, N. Y.
Friedman Joseph, 114 5th av, New York
Ray Geo. A. Mfg. Co. (Old Brass Finish, etc), Buffalo, N. Y.
Virden Co., Ashland rd & Longfellow, Cleveland, O.

## 6806— Jars (Acid)

See also Acid Vessels

Knight Maurice A. (Acid Proof), Akron, Ohio.
Maddock John & Sons (White Vitreous or Porous Earthenware), Trenton, N. J.
Robinson Clay Product Co., Akron, O.

## 6807— Jars (Battery, Glass)

Cambridge Glass Co., Cambridge, O.
Canton Glass Co., Marion, Ind.
Clyde Glass Mfg. Co., Inc., Clyde, N. Y.
Corning Glass Works ("Nonex"), Corning, N. Y.
Cumberland Glass Mfg. Co., Bridgeton, N. J.
Gayner Glass Works, Salem, N. J.
Gillinder & Sons, State & Devereaux, Philadelphia, Pa.
Hemingray Glass Co., Covington, Ky.
Illinois Glass Co., Alton, Ill.
Salem Glass Works, Salem, N. J.
United States Glass Co., S 9th & Bingham, Pittsburgh, Pa.
Whitall, Tatum Co., 410 Race, Phila., Pa.
Whitney Glass Works, Bullitt bldg, Phila., Pa.

## 6808—Jars (Battery, Rubber)

American Hard Rubber Co., 9 Mercer New York
Brunswick-Balke-Collender Co., 29 W 32nd, New York.
Consumers' Rubber Co. ("Euclid"), 829 Superior av, Cleveland, O.
Goodrich B. F. Co., Akron, O.
India Rubber Co., New Brunswick, N. J.
Luzerne Rubber Co., Trenton, N. J.
Stokes Jos. Rubber Co., Trenton, N. J.

## 6809—Jars (Battery, Vitrified)

Maddock John & Sons (Glazed or Unglazed), Trenton, N. J.

## 6809a—*Jars (Cigar & Cigarette)

Schimper William & Sons, 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York *See adv index at end of book*

## 6810— Jars (Fruit)

Anacortes Glass Co., Anacortes, Wash.
Atlantic Bottle Co., 90 W B'way, New York
Ball Bros. Glass Mfg. Co. ("Ball Perfect Mason," "Ball Ideal," "Ball Improved," "Ideal," "Mason," "Sure Seal"), Muncie, Ind., & Wichita Falls, Texas.
Co-Operative Flint Glass Co., Beaver Falls, Pa.
Federal Glass Co. (Mason & Lightning), Columbus, O.
Flaccus C. L. Glass Co., Empire bldg, Pittsburgh, Pa.
Gayner Glass Works, Salem, N. J.
Hawley Glass Co., Hawley, Pa.
Hazel Atlas Glass Co. ("E-Z Seal," Mason & other makes), Wheeling, W. Va.
Hemingray Glass Co., Covington, Ky.
Illinois Glass Co., Alton, Ill.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Imperial Glass Co., Charleroi, Pa.
Jenkins D. C. Glass Co. (Glass), Kokomo, Ind.
Kearns-Gorsuch Bottle Co., Zanesville, O.
Kerr Glass Mfg. Co., Portland, Ore.
Kerr Glass Mfg. Co., Sand Springs, Okla.
Mason Jar Glass Cap Co., Anderson, Ind.
Northwestern Glass Co., Saginaw, Mich.
Parker Bros. Glass Mfg. Co., Bridgeton, N. J.
Penna. Glass Co. (Flint), Anderson, Ind.
Root Glass Co., Terre Haute, Ind.
Salem Glass Works, Salem, N. J.
Schram Glass Mfg. Co., Hillsboro, Ill.
Whitall-Tatum Co., 410 Race, Phila., Pa.
Whitney Glass Works, Glassboro, N. J.
Williamstown Glass Co., Williamstown, N. J.

## 6811— Jars (Glass)

Clyde Glass Mfg. Co., Inc. (Tobacco), Clyde, N. Y.
Federal Glass Co., Columbus, O.
Foster A. M. & Co., 6 E Lake, Chicago, Ill.
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
Illinois Glass Co. (Cigar, Cold Cream, Ointment, Butter, Preserve, etc), Alton, Ill.
Imperial Glass Co., Bellaire, O
Jenkins D. C. Glass Co., Kokomo, Ind.
McKee Glass Co. (Candy), Jeannette, Pa.
Norfolk Glass Mfg Corp. ("Anchor"), Norfolk, Va.
Reed Evan L. Mfg. Co. (Candy), Sterling, Ill.

JARS (GLASS)—continued

Sneath Glass Co. (Spice, etc), Hartford, City, Ind.
Victor Jar Co. (For all Food Products), 321 Monroe av, Detroit, Mich.

## Jars (Kitchen Cabinet)

See Jars, Glass

## 6811a— *Jars (Leyden)

Corning Glass Works, Corning, N. Y.

## 6812— Jars (Milk)

Binghamton Glass Co., Binghamton, N. Y.
Chattanooga Bottle & Glass Mfg. Co., Chattanooga, Tenn.
Essex Glass Co., Mount Vernon, O.
Fairmont Glass Works, Keystone & Belt, Indianapolis, Ind.
Flaccus C. L. Glass Co., Tarentum, Pa.
Greensburg Glass Co., Greensburg, Pa.
Hamilton J. T. & A., 26th & A. V. R. R., Pittsburgh, Pa.
Hart Glass Mfg. Co., Dunkirk, Ind.
Illinois Glass Co., Alton, Ill.
Illinois Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Imperial Glass Co., Charleroi, Pa.
Jeannette Glass Co., Jeannette, Pa.
Jenkins D. C. Glass Co., Kokomo, Ind.
Lockport Glass Co, Lockport, N. Y.
Marion Flint Glass Co., Marion, Ind.
Obear-Nester Glass Co., St. Louis, Mo.
Thatcher Mfg. Co., Elmira, N. Y.
Whitney Glass Wks., Glassboro, N. J.
Williamstown Glass Co., Williamstown, N. J.
Winslow Glass Co., Columbus, O.

## 6813— Jars (Paste)

**Smith L. E. Glass Co., Mt. Pleasant, Pa.**

## 6813a—*Jars (Puff & Powder)

Schimper William & Sons, 322-338 Ferry, Hoboken, N. J. & 33 Union sq W, New York *See adv index at end of book*

## 6813b— *Jars (Specimen)

Thomas Arthur H. Co., W Washington sq, Phila., Pa.

## 6814—Jets & Nozzles (Acid Proof)

Duriron Castings Co. ("Duriron"), Dayton, O.

## 6815-6—Jewels (Scientific Instruments)

American Oil & Supply Co., 238 Wilson av, Newark, N. J.
Bache, Semon & Co. (Imp. Sapphires, Agates, Glass, etc.), 636 Greenwich, New York
Deknatel J. A. & Son (Glass), 8 Heyward, Brooklyn, New York
**Diamond Cupped Bearing Co., B'way & Manhattan, New York**
Eastern Specialty Co. (Diamond & Sapphire), 3409 N 13th, Phila., Pa.
Eby H. H. Mfg. Co., S W Cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
Glogau & Co. (Agate, Sapphire, etc), 466 Dickey Bldg, Chicago, Ill.
**Mildrum W. W. Jewel Co., East Berlin, Conn.**
Newark Jewel Co., 51 Lawrence, Newark, N. J.
**Wennstroms John Sons Co. (Sapphire, Agate, etc), Suffern, N. Y.**
Worley John, Waltham, Mass.

## 6817— Jiggers

**CROSSLEY MACHINE CO.** (Crucible), State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
**Ivens Wm. H. Sons Co. (For Round & Oval Work), P. O. Box 647, Trenton, N. J.**

## 6818— Jigs (Coal & Ore)

Allis-Chalmers Mfg. Co. (Ore), Milwaukee, Wis.
Denver Engineering Works Co. ("Richards" Pulsator), Denver, Colo.

**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av, & P & R Ry,
*See adv index at end of book*
McFarlane Mfg. Co., Denver, Colo.
McLanahan-Stone Machine Co. ("McLanahan"), Holidaysburg, Pa.
Mauch Chunk Iron Works, Mauch Chunk, Pa.
Mt. Carmel Iron Works ("B. & K."), Mt. Carmel, Pa.
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Tamaqua Mfg. Co. ("Christ" Patent), Tamaqua, Pa.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Wilmot Engineering Co. ("Simplex"), Hazleton, Pa.

## 6819—Jigs (For Concentrating Mills)

Allis-Chalmers Mfg. Co. ("Hancock"), Milwaukee, Wis.
**Denver Engineering Works Co., Denver, Colo.**
Dillon-Box Iron Works Co., Denver, Colo.
Hallidie Co., Spokane, Wash.
*See adv index at end of book*
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
**KENNEDY-VAN SAUN MFG. & ENG. CORP., 120 Broadway, New York**
*See adv index at end of book*
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Portage Lake Foundry & Machine Co., Hancock, Mich.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 6820— Jigs (Key Filing)

Harrison & Co., 81 New, New York.

## 6821—Jigs & Fixtures (Drilling & Milling)

Accurate Engineering Co., 150 E 4th, Plainfield, N. J.
*See adv index at end of book*

Jigs, fixtures, dies, tools and special machinery.
Permit us to estimate on your requirements.
Accurate Engineering Company
Plainfield, N. J.

Aetna Brass Mfg. Co., 3870 Hamilton, Cleveland, Ohio
Ainsile Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
Albany Machine & Tool Co., Albany, N. Y.
Allen Wrench & Tool Co., 189 Public, Providence, R. I.
American Mach. & Fdy. Co. (Gauges), 5520 2nd av, B'klyn, N. Y.
American Mach. Tool Engng. Wks., 4854 W Kinzie, Chicago, Ill.
American Tool & Mfg. Co., Urbana, O.
Anderson Tool Co., Elyria, O.
Ashley Machine Wks., Rochester, N. Y.
Atcheson Tool & Die Co., 43 W Long, Columbus, O.
Bath John Co., Inc., 8 Grafton, Worcester, Mass.
Beaver Mach. & Tool Co., 625 N 3d, Newark, N. J.
Beaver Tool & Engng. Co., Elkin, Ill.
Becker Milling Mach. Co., Hyde Park, Mass.
Bersted Forming Tool Co., 771 Mather Chicago, Ill.
Boston Scale & Machine Co., 100 Ruggles, Boston, Mass.
Bowen G.. F. Mach. Co, Inc., 24 Scott, Newark, N. J .
Brierley Mach. Co., 1736 E 22nd, Cleveland, O.
Boston Tool & Mfg. Co., 262 Dover, Boston, Mass.
Brightwood Brass Foundry, Springfield, Mass.
Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Cannon T. J. & Sons Machine Co., Lynn, Mass.
Capital Die Tool & Mach. Co., 619 N 4th, Columbus, O.
Carroll Engineering Co., Dayton, O.
Carlson-Wenstrom Co., Erie av & Richmond, Phila., Pa.
Carpenter E. W. Mfg. Co., 515 Union av, Bridgeport, Conn.
Central Tool & Die Co., Dayton, O.
Chatham Mach. & Tool Wks., 128 Mott, New York
Cincinnati Engineering Tool Co., Winton pl, Cincinnati, O.
City Mach. & Tool Wks., Dayton, O.
Clegg Mfg. & Tool Co., Attleboro, Mass.
**Cleveland Mach. Tool Co., Cleveland, O.**
Cleveland Metal Stamping Co., Cleveland, O.
Cleveland National Machine Co., 1366 W 70th, Cleveland, O.
Cleveland Specialty & Mfg. Co., Cleveland, O.
**Columbus Die, Tool & Machine Co., 955 Cleveland av, Columbus, O.**
Connery Mach. & Tool Co., 56 Harrison av, Springfield, Mass.
**Cummings Mach. Wks., 110 High, Boston, Mass.**
Damon & Glenn, 189 High, Boston, Mass.
Dayton Mach. Products Co., Dayton, O.
Dayton Reliance Tool & Mfg. Co., Dayton, O.
Dayton Stamping & Tool Co., Dayton, O.
Dayton Tool Co., Dayton, O.
Detroit Tool Co., 1487 St. Antoine, Detroit, Mich.
Dimler Machine Tool Co., Dayton, O.
Dodge Tool Co., Grinnell, Ia.
Dover Geo. W., Inc., 1012 Eddy, Providence, R. I.
Eagle Engineering Co., Springfield, O.
Eclipse Machine & Tool Co., 7 Sherman, Charlestown, Mass.
Enterprise Tool Co., E 72d, Cleveland, O.
Essex Tool Wks., Newark, N. J.
Excelsior Tool & Gauge Co., 429 Bagg, Detroit, Mich.
Excel Mfg. Co., 7 Sherman, Charlestown, Mass.
Federal Adding Machine Corp., York & Grove, New Haven, Conn.
Federal Tool Co., 2512 W Monroe, Chicago, Ill.
Fenn Mfg. Co., 385 Broad, Hartford, Conn.
Fenton Mach. Tool & Die Co., Fenton, Mich.
Fostoria Machine & Tool Co., Fostoria, O.
Franklin Die & Tool Co. (The), Columbus, O.
Freeman F. W. Co., 160 Portland, Boston, Mass.
Gamewell Co., Newton Nipper Falls, Mass.
Gardam Wm. & Son, Inc., 114 Park pl, New York
Garrison Co., Inc., 183 John, Bridgeport, Conn.
Gem City Mach. Co., Dayton, O.
General Mach. Wks., York, Pa.
General Mach. & Mfg. Co., Bridgeport, Conn.
General Mfg. Co., 93 Meldrum, Detroit, Mich.
Gisholt Machine Co., Madison, Wis.
Gosa-Brockman Co. (& Gauges), 1027 Schilles, Phila., Pa.
Goddard Tool Co., 351 W Chicago av, Chicago, Ill.
Gooley & Edlund, Cortland, N. Y.
Grand Tool & Mach. Wks., 151 Grand, New York
Grant Mfg. & Mach. Co., Bridgeport, Conn.
Gray Iron Fdry. Co., Reading, Pa.
Grayson Tool & Mfg. Co., Charleston, W. Va.
Grimes P. L., Milford, Conn.
Hahn Mfg. Co., 5332 Hamilton av, Cleveland, O.
Hall Gas & Engine Co., Inc., Garden bldg, Phila., Pa.
Hall Wm. Co., Quincy, Mass.
Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*
Hanson Tool & Die Co., 1330 12th, Detroit, Mich.
Harbor Machine Co., 183 High, Boston, Mass.
Harris Engineering Co., Bridgeport, Conn.
Hartford Special Machinery Co., Hartford, Conn.
Heartly Mach. Variety & Tool Wks., 900 Summit, Toledo, O.

Hentschel P. J. Mach. Co., 703 Hillen, Balto., Md.
Herron Mfg. Wks., Div. of the Bossick Co. (Bridgeport, Conn.), jig & fixtures, dies, gorges & special machy., Utica, N. Y.
Holmes Mfg. Co., Shelton, Conn.
Hudson Metal Mfg. Co., Jersey City, N. J.
Hygrade Machine & Equipment Co., 245 N. J. Railroad av, Newark, N. J.
Ideal Mach. & Tool Co., 128 Longworth, Cincinnati, O.
Industrial Products Co., 334 N. Irving av, Chicago, Ill.
Inland Machine Works, 17th & Locust, St. Louis, Mo.
International Mach. Tool Co., 1111 Power av, Cleveland, O.
Jaxon Co., 1010 Jackson, Toledo, O.
*See adv index at end of book*

**SPECIAL TOOLS**
Jigs, Fixtures and Machines
THE JAXON COMPANY
LA FRANCE BUILDING
1010-12-14 Jackson St.
TOLEDO, OHIO.

Johns Enging. Co., 625 Champlain av., Cleveland, O.
*See adv index at end of book*
Johns Stamping & Machine Wks. Co., 1715 Leonard, Cleveland, O.
Johnson & Biddle Tool Co., Elkhart, Ind.
Keystone Mach. Co., 206 Commercial, Rochester, N. Y.
**KNAPP ARTHUR ENGINEERING CORP,** 19 W 44th, New York
*See adv index at end of book*
Krag Franz K., 542 W Jackson, Chicago, Ill.
Krebs Mfg. Co., 341-9 E Ohio, Chicago, Ill.
Kuhn & Jacob Machine & Tool Co., Trenton, N. J.
Laganke Chas. F. 116 St. Claire av N E, Cleveland, O.
**Lansing Stamping & Tool Co., Lansing,** Mich.
Lindstrom Die, Tool & Gauge Wks. (Inc.). (& Gauges), Bridgeport, Conn.
Loshbough-Jordan Tool & Machine Co., Elkhart, Ind.
Lucas-Miner Tool & Production Co., 427 Valley, Dayton, O.
**McCullock A. P. Machine Co. (& Special Gauges), 216 High, Boston, Mass.**
Mackin Stephen, 33 N Forster, Worcester, Mass.
Manhattan Mach. & Tool Wks., Grand Rapids, Mich.
Marvin & Casler Co., Canastota, N. Y.
Maute & Sons J., Buffalo, N. Y.
Matthews Engng. Co., Sandusky, O.
Mailometer Co., 1093 Jefferson av, E, Detroit, Mich.
Maute J. & Sons, 23 Kane, Buffalo, New York
Mehl Mach. Tool & Die Co., Roselle, N. J.
Merritt S. W. Co., 699 W 133d, New York
Meyers W. F. Co., 599 W 133d, New York
Miami Engineering Co., Dayton, O.
Miami Tool & Die Co., Dayton, O.
Michigan Machine Co., 85 Porter, Detroit, Mich.
Meyers W. F. Co., Bedford, Ind.
Michigan Tool Co., 264 E Jefferson, Detroit, Mich.
Middlesex Mach. Co., Inc., Middletown, Conn.
Milford Tool & Engineering Co. Milford, Conn.
Milwaukee Metal Working Co., 383 Clinton, Milwaukee, Wis.
Modern Pattern Co., 150 Clinton, Milwaukee, Wis.
Monarch Engng. Co., 230 E 1st, Dayton, O.
Moore & Co., 305 Grand, Chicago Ill.
Moore Eastwod Co., 116 E 4th, Dayton, O.
Modern Tool Die & Machine Co., 216-220 N Fourth, Columbus, O.
National Engineering & Tools Works, Oak Park, Ill.
Nat'l. Production Co., Bellevue & Benson, Detroit, Mich.
**Nelson Blower & Furnace Co., L & Elkins, Boston, Mass.**
Nelson Tool Co., Inc., 782 E 142nd, New York.
**Nestor Mfg. Co., Inc., 40 W 13th, New York**
Newman Manufacturing Co., 542 W Jaskson, Chicago, Ill.
*See adv index at end of book*

**Newman Manufacturing Co.**
*Jigs, Fixtures and Machines*
Tools and Dies
Also Stamping
**542 West Jackson Blvd., Chicago, Ill.**

Nichols W. H., Waltham, Mass.
**NORTH SIDE TOOL CO.,** 19 Maryland av, Dayton, O. *See adv index at end of book*
Octo Engng. Ass'n, Inc., Rochester, N. Y.
Ohio Instrument Mfg. Co. 5902 Carnegie av, Cleveland, O.
Ohio Tool Co., Dayton, O.
Parker Machine Co., 221 High, Boston, Mass.
Pennsylvania Tool & Mfg. Co., York, Pa.
Perry F. W. Mach. Co., Youngstown, O.
Providence Mfg. & Tool Co. 17 Warren, Providence, R. I.
Reliance Die & Stamping Co., 515 N La Salle, Chicago, Ill.
Reynolds Mach. Co., Massillon, O.
Rochester Tool & Gauge Co., 203 State, Rochester, N. Y.
Rockford Metal Specialty Co., Rockford, Ill.
Root B. M. Co., York, Pa.
Rupp Mfg. Co., Inc., Hagerstown, Md.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Scalbom Mfg. Co., 11 S Desplaines, Chicago, Ill. *See adv index at end of book*
Schroeder Bros. Mfg. Co., 111 Brook, Torrington, Conn.
*See adv index at end of book*
S-P Mfg. Co., 872 E 72d, Cleveland, O.
Sayler, H. M., 328 Washington, Newark, N. J.
Schoenert Carl & Sons, 633 S 20th, Newark, N. J.
Schroeder Bros. Mfg. Co., 111 Brook, Torrington, Conn.
Scott-Fetzer Mach. Co., W 114th & Locust av, Cleveland, O.
Service Engineering Co., 25 Church, New York
Sheffield Machine & Tool Co., Dayton, O.
Shelton Tool & Mach. Co., Shelton, Conn.
Siewek Bros. Co. 75 E Baltimore av, Detroit, Mich.
Signalite Mfg. Co., 522 S Clinton, Chicago, Ill.
**Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.**
Spafford Tool Works, Hartford, Conn.
Springfield Tool Co., Springfield, Mass.
Steiner Bros., 322 N West, Lima, O.
Steel Products Engineering Co., Springfield, O.
Stein Wm. P. & Co., Rochester, N. Y.
Superior Die, Tool & Machine Co., Columbus, O.
Swedish Gage Co., Inc., 22 W 61st, New York
**Taft-Pierce Mfg. Co., Woonsocket, R. I.**
Taylor-Shantz Co., Rochester, N. Y.
Thomson Mach. Co., Canton, O.
Twin-O-Matic Machine & Tool Co., 160 John, Brooklyn, N. Y.
*See adv index at end of book*
Ulmer J. C. Co., E 38th & Kelly, Cleveland, O.
**UNITED MACHINE & MFG. CO.,** Canton, O.
Up-to-Date Tool Co., 81 Warren, Boston, 18, Mass. *See adv index at end of book*
Urbana Tool & Die Co., Urbana, O.
Utility Tool & Die Co., 2942 Monroe, Toledo, O.
Vahan Products Co., 73d & St. Clair, Cleveland, O.
Victory Mfg. Co., York, Pa.
Viking Tool & Mach. Co., 249 44th, B'klyn, N. Y.
Wade American Tool Co., 311 Atlantic av, Brooklyn, N. Y.
**Wade Machine Co., 817 Albany, Boston,** Mass.
Western Tool Co., 577 N. 3rd, Newark, N. J.
Whiting & Comstock, Hartford, Conn.
Wilcox Motor & Mfg. Co., Saginaw, Mich.
Willard-Middletown Machine Co., Covington, Ky.
Willemin Mfg. Co., Inc., 181 Eddy, Providence, R. I.
Wilsch Mach. & Specialty Co., 237 Lafayette, New York
Windau Tool Co., 1565 E 17th, Cleveland, O.
Wirth John D., New Haven, Conn.
Worcester Mach. Wks., Worcester, Mass.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, O.

## Jim-Crows
See Benders, Rail

## 6822— *Joint Couplings
International Couplers Co. ("Auto Lite"), 239 4th av, Pittsburgh, Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 6823— Jointers (Coopers')
**White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.**

## 6824— Jointers (Masons')
Arrowsmith Concrete Tool Co. (Concrete Finishing), Arrowsmith, Ill.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Tool Mfg. Co. (Steel & Bronze), 1002 Cass av, St. Louis, Mo.
Stortz John & Son, 210 Vine, Phila., Pa.

## 6825— Jointers (Pipe)
See also Runners, Lead Joint
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Mueller H. Mfg. Co. (For Cast Iron Pipe), Decatur, Ill.
Watkins Thos., Johnstown, Pa.
Yonts C. H. & Co. (Asbestos Lead Pipe Joint Runner), Meadville, Pa.

## 6826— Jointers (Saw Tooth)
Disston Henry & Sons, Inc., Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co. (For Circular Saw), Rochester, N. Y.
*See adv index at end of book*
Karle & Sons (For Band or Circular Saws), 142 Chicago, Buffalo, N. Y.

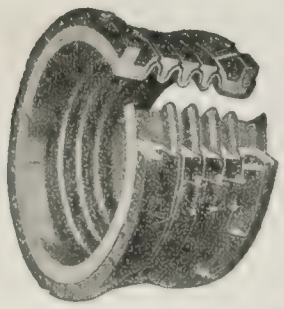
## 6827-8— Jointers (Shingle)
See also Shingle Mill Machinery
American Sawmill Machinery Co. (Rotary), Hackettstown, N. J.
Lyon Iron Works, Greene, N. Y.

## 6829— Joints (Angle)
American District Steam Co. (45 to 900), No. Tonawanda, N. Y.

## 6830— Joints (Ball)
See also Joints, Flexible; also Joints, Universal
American District Steam Co., North Tonawanda, N. Y.
**Barco Brass & Joint Co., 212 W Illinois, Chicago, Ill.**
Cincinnati Ball Crank Co., No. Oakley, Cincinnati, O.
Clow Jas. B. & Sons (Flexible), Franklin & Harrison, Chicago, Ill.
Franklin Railway Supply Co. ("Franklin," a Flexible Metallic Pipe Connection for Round Houses), 30 Church, New York
Iron Clad Joint Co., 400 Godchaux bldg, New Orleans, La.
**Mechanical & Electrical Mfg. Co. (Adjustable & Non-Adjustable), 2227 Prairie av, Chicago, Ill.**
Morgan Mfg. Co., Inc. (Adjustable & Socket), Keene, N. H.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Walker Mfg. Co., Fenton, Mich.

## 6831— *Joints (Brass Swing)
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Mueller H. Mfg. Co. (Steam), Decatur, Ill.

# BADGER SELF-EQUALIZING EXPANSION JOINTS



CHANGES in temperature cause material changes in length of steam, air, water, and other pipe lines. To care for these changes safely a Badger Expansion Joint should be installed in a pipe line, otherwise the pipe joints will work loose and leak, or the fittings may become fractured, due to the irresistible strains of expansion and contraction.

*WRITE FOR OUR BOOK TODAY*

**E. B. BADGER & SONS CO.**

101 Park Ave., New York 75 A PITTS ST., BOSTON 616 S. Michigan Ave., Chicago


## 6832— Joints (Cable)

Dossert & Co., 242 W 41st, New York
Fountain Jno. Jr., 510 Broome, New York

## 6833—Joints (Carriage & Automobile Top Prop)

Blakeslee Forging Co., Plantsville, Conn.
Brewer Titchener Corp. ("Ajax," "Cortland," "Pioneer"), Cortland, N. Y.
**Cowles C. & Co., New Haven, Conn.**
Crandal, Stone Division, The Brewer-Titchener Corp. ("Pioneer" Top Joints), Binghamton, N. Y.
**Owensboro Forging Co. (Steel), Owensboro, Ky.**
Scherer H. & Co., 280 E Jefferson av, Detroit, Mich.
**Springfield Harness Co. (Extension),** Springfield, Mass.

## 6833a— Joints (Copper)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
**BADGER E. B. & SONS CO.,** 75-A Pitts, Boston, Mass.
*See adv index at end of book*

## 6834-5— Joints (Expansion)

**ALBERGER PUMP & CONDENSER CO.** ("Wainwright"), 140 Cedar, New York
American District Steam Co. (Iron Body, for Underground or Inside Work), North Tonawanda, N. Y.
**American Foundry & Construction Co.,** 2nd av & Longworth, Pittsburgh, Pa.
**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*
**ATLAS COPPER & BRASS MFG. CO.,** 2734 High, Chicago, Ill.
*See adv index at end of book*
**BADGER E. B. & SONS CO.** (Corrugated Copper), 75-A Pitts., Boston, Mass.
*See adv index at end of book*
Barber Asphalt Paving Co. (Asphalt Compound), Land Title bldg, Phila., Pa.
Belfield H. Co. (Iron & Brass), 435 N Broad, Phila., Pa.
Bordo L. J. Co. Inc. ("Bordo" Swing Joints), 12th & Thompson, Phila., Pa.
Bridgman Bros. Co. ("Bridgman" Brass & Iron), 131 S 31st, Phila., Pa.
Buckeye Iron & Brass Works (Brass), Dayton, Ohio
Carey Philip Mfg. Co. ("Elastite"), 330 Wayne av, Lockland, Cincinnati, O.
Central Station Steam Co. (Packingless), 710 Woodbridge, Detroit, Mich.
Coldwell-Wilcox Co., Newburgh, N. Y.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crane Co. (Iron Body Brass Mounted, also Brass), Bridgeport, Conn.
**DAHLQUIST MFG. CO.,** 40 W 3d, So. Boston, Mass. *See adv index at end of book*
Draper Mfg. Co. ("Draper" Ball Union), Port Huron, Mich.
Durbin Co., 705 Market, St. Louis, Mo.
Gerstein Bros. & Cooper (Copper), 3 W 3d, South Boston, Mass.
**GRISCOM-RUSSELL CO.** (Copper for Exhaust & Live Steam), 92 West, New York *See adv index at end of book*
Harvey's A. Sons Mfg. Co., 28 1st, Detroit, Mich.
Haydenville Co., Haydenville, Mass.
Hoffmann B. Mfg. Co. (Brass & Iron Body), 257 6th, Milwaukee, Wis.
Howard Iron Works, Buffalo, N. Y.
Illinois Engineering Co., W 21st & S Racine av, Chicago, Ill.
Iron-Clad Joint Co., 400 Godchaux bldg, New Orleans, La.
Kaltenhaler H. J. (Iron Body), 234 Cherry, Phila., Pa.
**Kellogg M. W. Co. (Pipe), 90 West, New York.** *See adv index at end of book*
**Kelly & Jones Co ("Simplex," "K. & J."), 135 Water, Pittsburgh, Pa.**
Konold M. J. Co. (Copper), Bessemer bldg., Pittsburgh, Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McCarthy Felix, Pottstown, Pa.
McNab & Harlin Mfg. Co., 55 John, New York
Midwest Brass Copper Co., Inc. (Copper), 480 Broome, New York.
New York Brass Foundry Co., 403 Broome, New York.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
P.-K. Engineers ("P.-K."), 1906 Pine, St. Louis, Mo.
**Pearce W. H. & Co. ("Crescent"), 333 S Dearborn, Chicago, Ill.**
Pioneer Asphalt Co. ("Pioneer"), Lawrenceville, Ill.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa
Pittsburgh Valve, Foundry & Construction Co. (Balanced & Unbalanced), 26th & A V R. R., Pittsburgh, Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Shaw Benj. F. Co. (Copper), Wilmington, Del.
Stotz Jos. & Son, Inc., 841 E 126th, New York
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Standard Spiral Pipe Works, 48th & Rockwell, Chicago, Ill.
Thompson J. & Co., Van Horn & Sophia, Phila., Pa.
Tyler Underground Heating System, 855 Progress, Pittsburgh, Pa.
Underwood H. B. & Co., 1025 Hamilton, Phila., Pa.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Walworth Mfg. Co., Boston, Mass.
Waring-Underwood Co. ("Ideal"), Commercial Trust bldg, Phila., Pa.
Waterbury Mfg. Co., Waterbury, Conn.
Wheeler C. H. Mfg. Co., Lehigh av & 18th, Phila., Pa.
Williams D. T. Valve Co., Cincinnati, O.

## 6836—Joints (Fixture Insulating)

Johns-Pratt Co. ("Moulded Mica"), Hartford, Conn.
McDowell E. O., 30 Church, New York
Macallen Co., 16 Macallen, South Boston, Mass.
Milwaukee Gas & Elec. Fixture Co., 1910 Fond du Lac, Milwaukee, Wis.
Mitchell Vance Co. ("Robb" Fixture), 507 W 24th, New York
Trumbull Electric Mfg. Co. ("Jaynes"), Plainville, Conn.

## 6837— Joints (Flexible)

**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*
**Barco Brass & Joint Co. ("Martin's," "Holland," "Barco," for Air, Gas, Liquid & Steam), 212 W Illinois, Chicago, Ill.**
**Clow Jas. B. & Sons (Ball Joints), Franklin & Harrison, Chicago, Ill.**
Coldwell-Wilcox Co., Newburgh, N. Y.
Cooper Flexible Transmission Co., 8th av & 18th, B'klyn, N. Y.
**Crane Co. (Est. 1855) ("Walker"), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
Douds Frank C. & Co. ("Douds," for Pipe), New Castle, Pa.
Draper Mfg. Co. ("Draper" Ball Union), Port Huron, Mich.
Drummond M. J. & Co., (Pipe), 51 Chambers, New York
**Falcon Joseph G., Evanston, Ill.**
**Greenlaw Mfg. Co. ("Greenlaw"), 141 Milk, Boston, Mass.**
International Coupler Co. ("Auto Lite"), 239 4th av, Pittsburgh, Pa.
**Iron-Clad Joint Co., 400 Godchaux bldg, New Orleans, La.**
**Moran Flexible Steam Joint Co. (For Steam, Air or Liquid, all Metal), Louisville, Ky.**
**Pittsburgh Valve, Fdry. & Constr. Co. ("Moran"), 26th & A. V. R. R., Pittsburgh, Pa.**
Snead & Co. (For Automobiles & Marine Engines), Jersey City, N. J.
Standard Spiral Pipe Works, 48th & Rockwell, Chicago, Ill.
**Venango Mfg. Co. (Locomotive), Franklin, Pa.**
**Walker Mfg. Co. (Pipe or Ball Joints), Fenton, Mich.**

## 6838—Joints (Insulating, Rail)

**Atlas Railway Supply Co., 431 S Dearborn, Chicago, Ill.**
**Industrial Supply & Equipment Co. ("Manhattan"), 407 Sansom, Phila., Pa.**
Johns-Pratt Co. ("Moulded Mica"), Hartford, Conn.
**Q. & C. Co. ("Q. & C.," "O'Brien"), 90 West, New York**
Rail Joint Co., 61 B'way, New York
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Track Specialties Co., 29 B'way, New York
**Whall C. H. Co. ("Whall's," Fibre), 170 Summer, Boston, Mass.**

## 6839— Joints (Ladder)

Auer John Jr. (Wrought Steel), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought), 2d & Somerset), Phila., Pa.
**STANLEY WORKS (Wrought Steel), New Britain, Conn.**
***See adv index at end of book***

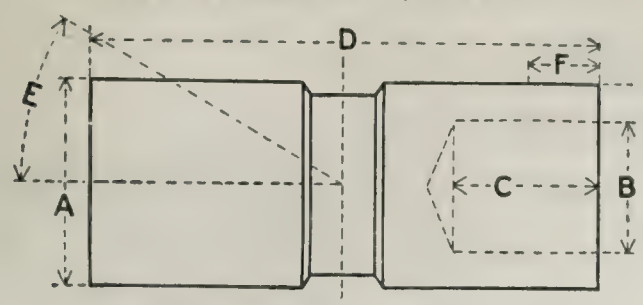
## 6840—Joints (Lap, Recessed)

**Mitchell W. K. & Co., 2940 Ellsworth, Phila., Pa.**

## 6841— Joints (Pipe)

**Central Foundry Co. ("Universal"), 90 West, New York**
Durbin Co., The, 306 Pontiac bldg, St. Louis, Mo.

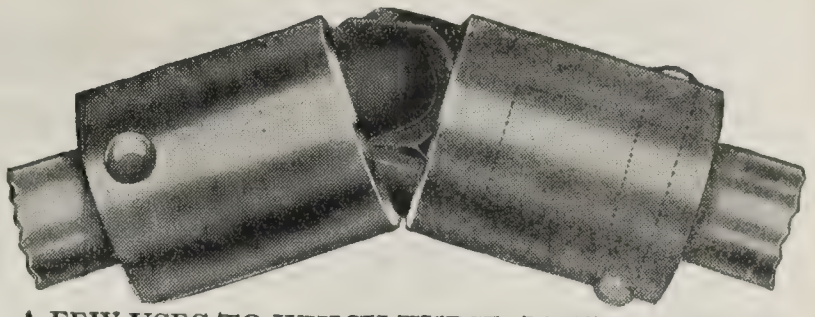
## UNIVERSAL JOINTS




### SPECIFICATIONS
**of Stock Sizes of Style A, Universal Joints**

| Size No. | A | B | C | D | E | F | Weight each |
|---|---|---|---|---|---|---|---|
| 1 | 7/8" | up to 7/16" | 5/8" | 2 1/4" | 45° | 3/8" | 5 1/2 oz. |
| 2 | 1 1/8" | up to 5/8" | 7/8" | 3" | 45° | 7/16" | 12 1/2 oz. |
| 3 | 1 7/16" | up to 13/16" | 1 1/8" | 3 3/4" | 45° | 1/2" | 25 oz. |
| 4 | 1 3/4" | up to 15/16" | 1 3/8" | 4 1/2" | 45° | 11/16" | 41 oz. |
| 5 | 2" | up to 1 1/16" | 1 5/8" | 5 1/4" | 45° | 11/16" | 4 lbs. |
| 6 | 2 1/4" | up to 1 1/4" | 1 7/8" | 6" | 30° | 7/8" | 6 1/4 lbs. |
| 7 | 2 7/8" | up to 1 3/4" | 2 3/8" | 7 1/2" | 30° | 1" | 13 lbs. |

## STYLE A



### A FEW USES TO WHICH THESE JOINTS ARE PUT

Used on adjustable gang drills and wood boring machines. On the moving feed shafts of milling, grinding, boring and various special machines.
For operating mechanisms, for revolving ventilating funnels on steamships.
For driving self-aligning boring bars.
On printing presses and various paper handling machinery.
These joints are suitable for all shaft sizes up to and including 1 3/4" diameter, but not larger.
In selecting size, dimension "B" should be referred to.
In ordering, please be sure and specify size number, indicating size Joint required.

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Elyria Iron & Steel Co. ("Manhattan" Compromise or Step), 232 E 131st, Cleveland, O.
Industrial Supply & Equipment Co. ("Manhattan"), **407 Sansom, Phila., Pa.**
Q. & C. Co. ("Bonzano," "Q. & C.," "Compromise"), **90 West, New York**
Track Specialties Co., 29 B'way, New York
**Wharton Wm. Jr. & Co., Inc., Easton, Pa.**

## Joints (Splice)

**See Braces, Rail**

### 6843— Joints (Strap)

**LEARD WM. CO.,** 16th & 5th av, New Brighton, Pa.
*See adv index at end of book*

### 6844— Joints (Stump)

**Baldwin E. N. (For Carriage Tops), Shelton, Conn.**
**Cowles C. & Co. ("Elm City"), New Haven, Conn.**
**Union Forging Co., Union, N. Y.**

### 6845— Joints (Sucker Rod)

American Well Works, Aurora, Ill.
Bradford Supply Co., Warren, Pa.
**Cook August D. (Wrought Iron), Lawrenceburg, Ind.**
Estabrook's R. Sons, 202 1st, Boston, Mass.
International Coupler Co. ("Auto Lite"), 239 4th av, Pittsburgh, Pa.
**LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.**
*See adv index at end of book*
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
**Pittsburgh Valve, Foundry & Construction Co. ("Atwood"), 26th & A V R. R., Pittsburgh, Pa.**
Western Pipe & Steel Co., 4444 Market, San Francisco, Cal.
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**

### 6846— Joints (Swing)

**Aterite M. H. Co., Inc. (Acid), 55 John, New York**
**Barco Brass & Joint Co., 212 W Illinois, Chicago, Ill.**
**Bordo L. J. Co. ("Bordo" Locomotive), 12th & Thompson, Phila., Pa.**
Central Foundry Co. ("Universal"), 90 West, New York
**Crane Co. (Brass, Steam, etc), Bridgeport, Conn.**
Durbin Co., 705 Market, St. Louis, Mo.
**Haydenville Co. (Brass), Haydenville, Mass.**
Hills-McCanna Co., 153 W Kinzie, Chicago, Ill.
**Hoffmann B. Mfg. Co. ("B. H. Mfg. Co." Universal), 257 6th, Milwaukee, Wis.**
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**McDonald A. Y. Mfg. Co., Dubuque, Ia.**
McNab & Harlin Mfg. Co., 55 John, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co. (Brass), 26th & A. V. R. R., Pittsburgh, Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
**WILLIAMS FRANKLIN INC.** ("Tupeda"), 37 Cortlandt, New York

### 6847— *Joints (Swivel)

Burlington Brass Works ("Kno-Pak"), Burlington, Wis.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
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### 6847a—Joints (Telescopic Pipe)

Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
***See adv index at end of book***

### 6848— Joints (Universal)

**Acme Universal Joint Mfg. Co., Kalamazoo, Mich.**
Ainslie Machine & Tool Works ("Vanderbeek Giant & Vanderbeek Ball"), 35 Jefferson av, Hartford, Conn.
Arvac Mfg. Co., Anderson, Ind.
**Baush Machine Tool Co. ("Bocorselski"), Springfield, Mass.**
**Bearings Company of America ("Sterling"), Lancaster, Pa.**
Blair F. R. & Co., Inc., 50 Church, New York
Blood Bros. Machine Co. (For Automobiles, etc), Allegan, Mich.
**BORGESON MFG. CO., INC.** ("Borgeson" For Machine Tools), Torrington, Conn.
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Bossert Corp. (The), Linden & West av, (Automobile Universal Ball), Utica, N. Y. *See adv index at end of book*
**Boston Gear Works (Bronze), Quincy, Mass.**
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York
Central Foundry Co. ("Universal"), 90 West, New York
Cooper Flexible Transmission Co., Inc., 8th av. & 18th, B'klyn, N. Y.
Durbin Co., 705 Market St. Louis, Mo.
**GEM MFG. CO.** ("Gem" & "G. P."), Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
**GRAY & PRIOR MACHINE CO.,** 96 Suffield, Hartford, Conn.
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Hanson Clutch & Machy. Co., Tiffin, O.
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Hartford Auto Parts Co., Hartford, Conn.
Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.
Hoffmann B. Mfg. Co. ("B. H. Mfg. Co."), 257 6th, Milwaukee, Wis.
Kinsler-Bennett Co. (Pin), Hartford, Conn.
Mechanics Mach. Co. (Automobile), Rockford, Ill.
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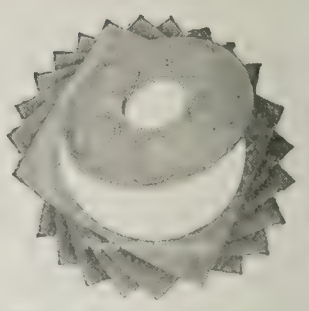

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Plank Flexible Shaft Machine Co., Grand Rapids, Mich.
**Reilly Steam Pump Works, Louisville, Ky.**
Snead & Co. (Shock Absorbing, etc.), Jersey City, N. J.
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**Stow Mfg. Co., Binghamton, N. Y.**
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Church Appliance Mfg. Co. ("Boss" Joint Anchor), La Salle, Ill.
Donley Brothers Co. (The), ("D. B." Joist Anchor), 3625 E 74th, Cleveland, O.
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Duplex Hanger Co., E 53d & Lakeside av, Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
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Goetz Box Anchor Co., New Albany, Ind
O'Leary Arthur J. & Son Co. (Forged Steel), **65th & So 57th av, Chicago, Ill.**
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Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
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Grasselli Chemical Co. (Importers), Guardian bldg, Cleveland, O.
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Nitrate Agencies Co. (Imp.), 102 Pearl, New York
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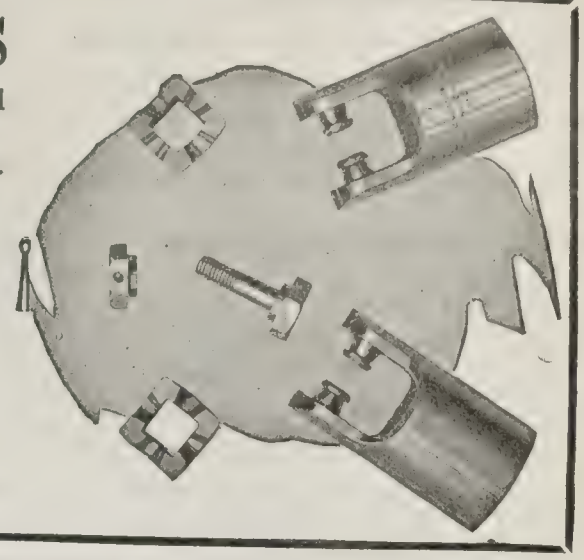


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Manhattan Color Works ("Fres-Ko-Kote," "Tempo-Va"), 1035 Kelly, New York
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Munns E. A. Kalsomine Co., 217 Fulton, Brooklyn, N. Y.
Muralo Co., Richmond Ter. New Brighton (Borough of Richmond), New York
Oxidite Mfg. Co., Arlington, Mass.
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Reardon Paint Co., 2d & Clinton, St. Louis, Mo.
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**Peoria Can Co. (For Powder, etc), Peoria, Ill.**
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## 6859— Kegs (Wooden)

Albrecht Fred'k, Pratt & Smallwood, Baltimore, Md.
American Stave & Cooperage Co., Chelsea, Mass.
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Baltimore Cooperage Co., The (Brewers', etc.; also Barrels), Ostend & Leadenhall, Baltimore, Md.
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**Bell Edwin Co. (Nail, Spike, Horseshoe, Nut, etc), S 17th, Pittsburgh, Pa.**
Bridge's A. D. Sons (Powder), Hazardville, Conn.
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Greif Bros. Cooperage Co. (For Nails, Bolts, Nuts, Rivets, Screws, Horse Shoes, etc), 1937 Willey av, Cleveland, O.
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Kimball, Tyler Co., 261 S 8th, Baltimore, Md.
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**McKeever Barrel & Keg Co., 911 Penna, Pittsburgh, Pa.**
Mangold Stave & Cooperage Co. (Beer Barrels, Hogsheads, Tanks, etc), Weber rd & Grand av, St. Louis, Mo.
Peirce W. E. & Co., Milford, N. H.
Pioneer Cooperage Co., 2212 Dekalb, St. Louis, Mo.
Richmond Cedar Works (Oak & White Wood, Plain or Varnished), Fulton, Richmond, Va.
Rochester Cooperage Co. (Beer & Ale), Rochester, N. Y.
Sengel Philip & Son (Beer Barrels, Casks, Tanks, etc), Louisville, Ky.
Stecher Cooperage Works (Beer Barrels, etc), 3d & Barton, St. Louis, Mo.
Stolper Chas. Cooperage Co. (Beer Barrels, etc), 3206 Fond du Lac av, Milwaukee, Wis.
Struthers Cooperage Co. (Nail), Struthers, O.
Union Cooperage Co. ("Handy"), 2d & Penrose, St. Louis, Mo.
Walsh Mfg. Co., 72 S 9th, Pittsburgh, Pa.
Western Cooperage Co. (All Kinds of Barrels & Kegs), Northwestern Bank bldg, Portland, Ore.

## 6860— Kettles (Acid)

American Welding Co. (Chemical, Boiling, etc), Carbondale, Pa.
Badger E. B. & Sons Co., 75 Pitts, Boston, Mass. *See adv index at end of book*
**Devine J. P. Co., Buffalo, N. Y.**
Duriron Castings Co., Dayton, O.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Knight, Maurice A. (Acid Proof Stoneware), Akron, O.
Manitowoc Engineering Works, Manitowoc, Wis.
Stuart & Peterson Co. (Iron), Burlington, N. J.

## Kettles (Aniline)

See Kettles Size

## 6861—Kettles (Apple Butter)

Bucyrus Copper Kettle Works, Bucyrus, Ohio
**DAHLQUIST MFG. CO.** (Copper), 40 W 3rd, So. Boston, Mass.
*See adv index at end of book*
Picking D. & Co., Bucyrus, O.
Schaum John G., Lancaster, Pa.

## 6861a— Kettles (Asphalt)

See also Kettles, Tar; also Heaters, Asphalt, Pitch & Tar
Camden Boiler Wks. Inc. (& Oil Burning), Delaware River & 26th, Camden, N. J.
Ell-Kay Mfg. Co., Kansas City, Mo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 6862— *Kettles (Brass)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Randolph & Clowes (Spun), Waterbury, Conn.

## 6863— Kettles (Brazing)

Bridgeport Crucible Co. (Graphite), Bridgeport, Conn.
MacLeod Co., 2227 Bogen, Cincinnati, O.
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### 6864— Kettles (Brew)

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**Kast Copper & Sheet Iron Co., 91 Main, Buffalo, N. Y.**
**Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.**
Rach Dr. Carl, 203 B'way, New York
**Selg Brewery Apparatus Co., 1320 N 5th, Phila., Pa.**

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**Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kans.**

### 6866— Kettles (Caldron)

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**Buch's A. Sons Co., Elizabethtown, Pa.**
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**Donaldson Bros., Mt. Clemens, Mich.**
**Eddy W. Plow Co., Greenwich, N. Y.**
**Gehl Bros. Mfg. Co., West Bend, Wis.**
**Giblin & Co., Utica, N. Y.**
**Gowanda Agricultural Works, Gowanda, N. Y.**
**Greenville Implement Co., Greenville, Mich.**
**Heesen Bros. Co., Tecumseh, Mich.**
**Heller Aller Co., Napoleon, O.**
Improved Appliance Co., 413 Kent av., B'klyn, N. Y.
**Lehr Agricultural Co., Fremont, O.**
**Lyon Iron Works, Greene, N. Y.**
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**Moore Plow & Implement Co., Greenville, Mich.**
**Mott J. L. Iron Works, Trenton, N. J.**
**Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.**
**Sperry D. R. & Co., Batavia, Ill.**
**Swift Mfg. Co., Waterloo, Ia.**

### Kettles (Canning Factory)

See Kettles, Process

### 6867— Kettles (Cast Iron)

**Columbus Iron Works, Columbus, Ga.**
**Devine J. P. Co., Buffalo, N. Y.**
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
**Furman-Fisher Corp., 32 Church, New York** *See adv index at end of book*
**Golden's Foundry & Machine Co., Columbus, Ga.**
Improved Appliance Co., 413 Kent av. B'klyn, N. Y.
**Kilpatrick A. & Sons Fdry. Co., Carrie & Bulver av, St. Louis, Mo.**
**Manufacturing Equipt. & Engng. Co. ("Meco"), Framingham, Mass.**
**Phillips & Buttorff Mfg. Co., Nashville, Tenn.**
**Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.**
Townsend Foundry & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
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**United States Cast Iron Pipe & Foundry Co., Burlington, N. J.**

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**Devine J. P. Co., Buffalo, N. Y.**
Fulton Fdry. Co., 1207 Marquette av, Cleveland, O.
**Manitowoc Engineering Works, Manitowoc, Wis.**
**Manufacturing Equipt. & Engng. Co. ("Meco"), Framingham, Mass.**
**Marshall Foundry Co., 28th & RR, Pittsburgh, Pa.**

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**Stuart & Peterson Co., Burlington, N. J.**

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**ATLAS COPPER & BRASS MFG. CO.** (Preserving), 2734 High, Chicago, Ill.
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Badger E. B. & Sons Co., 63-75 Pitts, Boston, Mass.
*See adv index at end of book*
Bucyrus Copper Kettle Works, Bucyrus, O.
**FURMAN-FISHER CORP.,** 32 Church, New York *See adv index at end of book*
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Midwest Brass & Copper So., Inc., 480 Broome, New York.
*See adv index at end of book*
Randolph-Clowes Co. (Spun), Waterbury, Conn
Savage Bros. Co., 2638 Gladys av, Chicago, Ill.

### 6869b— *Kettles (Desilvering)

Lehigh Foundry Co., Fullerton, Pa.

### 6870— Kettles (Dross)

Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Wilfong Millard F., Iron Works Co., 52d & Gray's av, Phila., Pa.

### 6871— Kettles (Dyers')

**BADGER E. B. & SONS SO.,** 75-A Pitts, Boston, Mass.
*See adv index at end of book*
**DAHLQUIST MFG. CO.** (Copper), 40 W 3rd, South Boston, Mass.
*See adv index at end of book*
Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*
**Manitowoc Engineering Works, Manitowoc, Wis.**

### 6872—Kettles (Fullers Earth Treating)

Allbright-Neil Co., 5315 Western av, Chicago, Ill.

### 6872a— *Kettles (Fusion)

Buffalo Foundry & Machine Co. (Caustic & Phenol), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*

### 6873— Kettles (Galvanizing)

American Bridge Co., 30 Church, New York
**American Welding Co. (Welded), Carbondale, Pa.**
Blaw-Knox Co., Freeport rd, Hoboken
**Columbiana Boiler Co. (Riveted & Welded), Columbiana, O.**
**Garwood Bronze & Iron Works, Garwood, N. J.** *See adv index at end of book*
**Heggie James G. & Sons, Joliet, Ill.**
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
**Manitowoc Engineering Works, Manitowoc, Wis.**
**Meehan Boiler & Construction Co., Lowellville, O.**
**Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.**
**National Wrought Iron Annealing Box Co., Washington, Pa.**
**O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.**
Parker Charles Co., Meriden, Conn.
Petroleum Iron Works Co., Sharon, Pa.
Pittsburgh Annealing Box Co., 829 Beaver N S, Pittsburgh, Pa.
Pollock Wm. B. Co., Youngstown, O.
Reeves Bros. Co., The, Alliance, O.
*See adv index at end of book*
Treadwell Construction Co. (Riveted), Midland, Pa.
Warren City Tank & Boiler Co., Warren, Ohio
Wilfong Millard F. Iron Works Co., 52d & Gray's av, Phila., Pa.

### 6873a—Kettles (Lead Lined)

Am. Lead Burning Corp., 30 Church, New York
Jacoby Henry E., 95 Liberty, New York

### 6874— Kettles (Maslin)

Indiana Hollow Ware Co., Jeffersonville, Ind.

### 6875— Kettles (Melting)

Improved Appliance Co., 413 Kent av., B'klyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

### 6875a— Kettles (Nitrating)

Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
**Devine J. P. Co., Buffalo, N. Y.**
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Moore Samuel L. & Sons Corp., Elizabeth, N. J.

### 6876—Kettles (Paint & Varnish)

Aluminum Co. of Am. (Aluminum), Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
American Welding Co., Carbondale, Pa.
**ATLAS COPPER & BRASS MFG. CO.,** 2734 High, Chicago, Ill.
*See adv index at end of book*
Dover Boiler Works—Sales Office, 40 Church, New York.
*See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
**Frelinger J. G. Iron Works (Steel & Copper), 115 W 2nd, Cincinnati, O.**
**Heggie James G. & Sons, Joliet, Ill.**
Improved Appliance Co., 413 Kent av., Brooklyn, N. Y.
**Littleford Bros., 444 E Pearl, Cincinnati, Ohio**
MacLeod Co. (Japanning), 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Marshall Foundry Co., 28th & RR., Pittsburgh, Pa.
**Bowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.**

### 6877— Kettles (Process)

**Littleford Bros., 444 E Pearl, Cincinnati, Ohio**
Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
**Sprague Foundry & Mfg. Co. (For Canning Factories), Council Bluffs, Ia.**
Wagner Mfg. Co., Sidney, O.
**Zastrow Geo. W., 1410 Thames, Baltimore, Md.**

### 6877a— Kettles (Reduction)

Buffalo Foundry & Machine Co., 65 Winchester, Buffalo, N. Y.
*See adv. index at end of book.*
Devine J. P. Co., Buffalo, N. Y.
Hercules Engineering Corpn., 501 5th av, New York.
Oat Joseph & Son, 232 Quarry, Phila., Pa.
Sperry D. R. & Co., Batavia, N. Y.

### 6877b— Kettles (Rochester)

Roos Chas. A., 429 E. 91, New York.

### 6877c— *Kettles (Roofing)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

### 6878— Kettles (Size)

**COHOES IRON FOUNDRY & MACHINE CO.,** Cohoes, N. Y.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Franklin Machine Co., 1 Park, Providence, R. I.
*See adv index at end of book*
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Koven L. O. & Bros., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Roos Chas. A., 429 E. 91, New York.
Meco-Lowell Shops, Boston, Mass.
Sperry D. R. & Co., Batavia, N. Y.
Townsend Foundry & Machine Shop Co. (Aniline), Broadway & Rensselaer, Albany, N. Y.
*See adv index at end of book*

### 6879— Kettles (Smelting)

Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Wilfong Millard F. Iron Works Co., 52d & Gray's av, Phila., Pa.

### 6880— Kettles (Soap)

Cambridge Iron Works, Cambridge, Mass.
Chicago Bridge & Iron Wks., 2105 Old Colony bldg., Chicago, Ill.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.

Littleford Bros., 444 E. Pearl, Cincinnati, O.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Sperry D. R. & Co. (Farmers' Soap Boiling), Batavia, Ill.

## 6881—Kettles (Soda, Tool Cleaning)

Brown & Sharpe Mfg. Co., Providence, R. I.
**GRAY & PRIOR MACHINE CO.** (Soda & Potash), 96 Suffield, Hartford, Conn.
*See adv index at end of book*
Koven L. O. & Bros., 154 Ogden av, Jersey City, N. J. *See adv index at end of boo*
Manufacturing, Equipment & Engineering Co. ("Meeco"), Framingham, Mass.
Mather W. H. H. (Soda & Potash), 105th & Quebec av, Cleveland, O.
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.

## 6882— Kettles (Spelter)

American Bridge Co., 30 Church, New York
Bridgeport Crucible Co. (Graphite), Bridgeport, Conn.

## 6883—Kettles (Steam Jacketed)

Allentown Boiler Works, Allentown, Pa.
Aluminum Co. of America (Aluminum), Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
American Copper & Brass Works, Cincinnati, O.
American Welding Co., Carbondale, Pa.
**ATLAS COPPER & BRASS MFG. CO.**, 2734 High, Chicago, Ill.
*See adv index at end of book*
**BADGER E. B. SONS CO.**, 75-A Pitts, Boston, Mass.
*See adv index at end of book*
Baeuerle & Morris (Copper, Tin or Lead Lined), 932 N Front, Phila., Pa.
Baker G. W. Machine Co. (And Mixers For Tanners & Curriers), Wilmington, Del.
Blymer Iron Works Co., Cincinnati, O.
**Boston Copper Works Co., E Boston, Mass.**
Braman, Dow Co., 239 Causeway, Boston, Mass.
Brecht Co. (For Packers & Lard Renderers), 1201 Cass av, St. Louis, Mo.
Brewer Wm. W., Troy, N. Y.
Brightwood Brass Foundry, Springfield, Mass.
Buckeye Boiler Co., Dayton, O.
Bucyrus Copper Kettle Works, Bucyrus, O.
Clark Engine & Boiler Co., Kalamazoo, Mich.
Connery & Co., 2d & Luzerne, Phila., Pa.
**DAHLQUIST MFG. CO.** (Copper), 40 W 3d, So. Boston, Mass.
*See adv index at end of book*
Day J. H. Co., Cincinnati, O.
Devine J. P. Co., Buffalo, N. Y.
Dover Boiler Works (For All Purposes), Sales Office: 40 Church, New York; Works: Dover, N. J.
*See adv index at end of book*
Duparquet, Huot & Moneuse Co., 110 W 22d, New York
Durison Castings Co. (Acid Proof), Dayton, O.
Elyria Enameled Products Co. (Glass Enameled, 50 to 800 Gallons), Elyria, O.
**Eureka Mach. Co., Cleveland, O.**
French Oil Mill Machinery Co. (For Cottonseed & Linseed Oil Mills, etc), Piqua, O.
**Gerstein Bros. & Cooper, 3 W 3d, South Boston, Mass.**
Gibson Iron Works Co., 168 1st, Jersey City, N. J.
**Goldner Henry Boiler & Tank Wks., Water & Mufflin, Phila., Pa.**
**Hand Edw. L. & Co. ("Elhanco"), 722** Arch, Phila., Pa.
Harris Arthur & Co., 212 N Curtis, Chicago, Ill. *See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
Holmberg Chas. & Co. (Copper), 1439 Austin av, Chicago, Ill.
Hubbert B. H., 3601 E Pratt, Baltimore, Md.
**Hutchinson Bros., 5 S Howard, Baltimore, Md.**
Illinois Pure Aluminum Co. (Aluminum), Lemont, Ill.
Kelso & Co., 559 W Quincy, Chicago, Ill.
**KOVEN L. O. & BRO.**, 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Langsenkamp F. H., Indianapolis, Ind.
Littleford Bros., 444 E Pearl, Cincinnati, O.
McNamara Bros Co., Westport, Baltimore, Md.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**Manitowoc Engineering Works, Manitowoc, Wis.**
**Maryland Mfg. Co., 1915 Ashland av, Baltimore, Md.**
Midwest Brass & Copper Co., Inc., 480 Broome, New York.
*See adv index at end of book*
Mott J. L. Iron Works, Trenton, N. J.
Motter's Geo. F. Sons, York, Pa.
**Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.**
Murray Iron Works Co., Burlington, Ia.
**Nason Mfg. Co. (Jobbers), 71 Fulton, New York**
National Boiler & Sheet Iron Works, Indianapolis, Ind.
Novelty Steam Boiler Works (Triplett & **Jennings, Prop's), 917 S Howard, Baltimore, Md.**
**Oat Jos. & Sons, 232 Quarry, Phila, Pa.**
Penn Seaboard Steel Corp., Franklin Bank Bldg, Phila., Pa.
*See adv index at end of book*
**Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.**
Picking D. & Co., Bucyrus, Ohio.
Reeves Bros Co., (The), Alliance, Ohio.
*See adv index at end of book*
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Savage Bros. Co. (Candy Makers), 2638 Gladys av, Chicago, Ill.
Scannell Boiler Works, Lowell, Mass.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
**Sexton S. B. Stove & Mfg. Co. (Cast Iron), 500 Block W Conway, Baltimore, Md.**
**Smith's Jno. E. Sons Co. (For Tanners), Buffalo, N. Y.**
**Sowers Mfg. Co. (Seamless), 1320 Niagara, Buffalo, N. Y.**
Sperry D. R. & Co., Batavia, Ill.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.
Stuart & Peterson Co., Burlington, N. J.
**Treadwell Construction Co., Midland, Pa.**
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.
Walworth Mfg. Co., Boston, Mass.
Young Bros. Co. (Copper), 666 Mack, Detroit, Mich.

## 6884— Kettles (Sugar)

Birmingham Stove & Range Co. (Cast Iron), Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
Chattanooga Plow Co., Chattanooga, Tenn.
Columbus Iron Works (Syrup Only), Columbus, Ga.
**Devine J. P. Co., Buffalo, N. Y.**
Glascock Stove & Mfg. Co. (Cast Iron), Greensboro, N. C.
Gray & Dudley Hardware Co., Nashville, Tenn.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Indiana Hollow Ware Co., Jeffersonville, Ind.
Kehoe Iron Works, Savannah, Ga.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York.
*See adv index at end of book*
**Over Ewald, Indianapolis, Ind.**
**Phillips & Buttorff Mfg. Co., Nashville, Tenn.**
**Southern Plow Co. (Cast Iron), Columbus, Ga.**
**Sperry D. R. & Co. (Sugar or Wash),** Batavia, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad, New York Works: Newburgh, N. Y.
Wagner Mfg. Co., Sidney, Ohio.

## 6884a—Kettles (Sulphonating)

**Buffalo Foundry & Machine Co., 65 Winchester, Buffalo, N. Y.**
***See adv index at end of book***
Devine J. P. Co., Buffalo, N. Y.
Hercules Engineering Corp., 501 5th av, New York.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Sperry D. R. & Co., Batavia, Ill.
Stevens Bros., 85 Liberty, New York.
Townsend Fdry. & Mach. Shop Co., Albany, N. Y. *See adv index at end of book*
Valley Iron Works, 81 East Water, St. Paul, Minn., Williamsport, Pa.

## 6885— Kettles (Tar)

**Barber** Asphalt Paving Co. ("Iroquois" Asphalt Kettles 50 to 400 Gals.), Land Title bldg, Phila., Pa.
Central Boiler Works, 1297 Russell, Detroit, Mich.
**Connery & Co., 2d & Luzerne, Phila., Pa.**
Evans F. H., Est. of, 31 Hewes, Brooklyn, N. Y.
Fabricated Steel Products Corp., Box 505, Leetonia, Ohio.
*See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Hibbs E. A., Quarry & Bread, Phila., Pa.
**Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.**
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
**Leslie, Elliott & Co., Paterson, N. J.**
**Littleford Bros., 444 E Pearl, Cincinnati, O.**
**MAC LEOD CO.**, 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**National Boiler & Sheet Iron Works, Indianapolis, Ind.**
**Pioneer Iron Works, 149 Pioneer, B'klyn, N. Y.**
Riter-Conley Co., Oliver Bldg., Pittsburgh, Pa.
**Russell Daniel Boiler Works, 93 Boston, Boston, Mass.**
**Smith Samuel & Son Co., Paterson, N. J.**
Sperry D. R. & Co., Batavia, Ill.
**Stafford Wright & Son, Lawrence, Mass.**
Stuebner G. L. Iron Works, Queensboro Terminal, L. I. City, N. Y.
*See adv index at end of book*
**Tidewater Iron Works, Hoboken, N. J.**
Treadwell Construction Co., Midland, Pa.
**Union Iron Works, Hoboken, N. J.**

## Kettles (Tea, Etc.)

See **Aluminum Ware Mfrs.; also Copper Ware, Stamped, etc.; also Enameled Ware Mfrs.; also Tinware Mfrs.; also Hollow Ware, Stove**

## 6886— Kettles (Thawing)

Atlas Powder Co., 140 N Broad, Phila., Pa. *See adv index at end of book*
Giant Powder Co., San Francisco, Cal.
*See adv index at end of book*
**HERCULES POWDER CO.** ("Hercules"), Wilmington, Del.
***See adv index at end of book***

## 6887— Kettles (Tilting)

**Devine J. P. Co., Buffalo, N. Y.**
**Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.**
**Stuart & Peterson Co. (Iron), Burlington, N. J.**

## 6887a—Kettles (Tin or Silver Lined)

Aufrichtig Alvis, 900 S. 3d, St. Louis, Mo.
Badger E. B. & Sons Co., 75-A Pitts, Boston, Mass.
*See adv index at end of book*
Roos Chas. A., 421 E. 91, N. Y.

## 6887b— Kettles (Vacuum)

Buffalo Fdry. & Mach. Co., 65 Winchester, Buffalo, N. Y.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Elyria Enameled Products Co., Elyria, O.
General Ceramics Co., 50 Church, New York.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Oat Joseph & Sons, 232 Quarry, Phila., Pa.

KETTLES (VACUUM)—continued
Pfaulder Co. (Glass Enameled), Cutler Bldg., Rochester, N. Y.
Roos Chas. A., 429 East 91st, New York.
Savage Bros. Co., 2638 Gladys av, Chicago, Ill.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Stevens Bros., 85 Liberty, New York.
Stokes, F. J. Machine Co., Phila., Pa.

### 6887c—Kettles (Water Jacketed)

Elyria Enameled Products Co., Elyria, O.
Houchin-Aiken Co., 113 53rd, B'klyn, N. Y.
Koven L. I. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Oat Joseph & Sons, 232 Quarry, Phila., Pa.
Pfaudler Co. (Glass Enameled), Cutler bldg, Rochester, N. Y.
Stevens Bros., 85 Liberty, New York.

### 6887d— Kettles (Wooden)

California Barrel Co., 433 California, San Francisco, Cal.

### 6888—Key Plates (Porcelain)

Sargent & Co. (Also Metal), New Haven, Conn.
Union Porcelain Works, 300 Eckford, Brooklyn, N. Y.

### Keyridge

See Iron, Cellular, for Fireproofing

### 6889—Keys (Auto Gas Tank)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

### Key-Seaters

See Machines, Key-Seating; also Tools, Key-Seating

### 6890— Keys (Brake Shoe)

American Brake Shoe & Foundry Co., Mahwah, N. J.
Beall Bros. (Inc.), Alton, Ill.
Cleveland City Forge & Iron Co., Cleveland, O.
Etna Forge & Bolt Co., 808 House bldg, Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Steel Car Forge Co. (Iron or Steel for Christie Heads), Frick bldg., Pittsburgh, Pa.
Valley Forging Co., Verona, Pa.
Western Tool & Forge Co., Brackenridge, Pa.

### 6891—Keys (Flat Spring & Riveted)

See also Cotters, Spring, Etc.

Bettcher Stamping & Mfg. Co. (Flat Riveted), 6120 Clark av, S W, Cleveland, O. *See adv index at end of book*
Brooks M. S. & Sons (Flat Steel Spring or Riveted), Chester, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Henry & Allen (Flat Riveted, Drop Forged), Auburn, N. Y.
Hindley Mfg. Co. ("Columbia" Flat & Flat Spring Steel), Valley Falls, R. I.
Jencks E. Mfg. Co. (Flat Spring Only), Worcester, Mass.
National Screw & Tack Co. (Flat Steel Spring or Riveted), Stanton av, S. E. & C. & P. Ry, Cleveland, O.
Ohio Wire Goods Mfg. Co., Akron, O.
Pickering R. S. (Steel Flat Spring & Riveted), Sharon Hill, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co. (Iron Flat Spring), Worcester, Mass.

### 6892— Keys (Machine)

Hall Mfg. Co. (Finished), Harrison, N. J.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.

LEARD WM CO., 16th & 5th av, New Brighton, Pa.
*See adv index at end of book*
Meyer & Co. (Gib Head), Throopsville, N. Y.
Molthrup Steel Products Co., Beaver Falls, Pa.
Morton Mfg. Co. (Finished Ready to Drive), Muskegon Heights, Mich.
Pennsylvania Shafting Co. (Finished) Spring City, Pa.
Standard Gauge Steel Co. (Finished Steel), Beaver Falls, Pa.
Whitney Mfg. Co. (For the Woodruff System of Keying), Hartford, Conn.
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### 6893— Keys (Press Screw)

Auer John, Jr. (Wrought Iron), 197 Middleton, Brooklyn, N. Y.

### Keys (Riveted)

See Keys, Flat Spring & Riveted

### 6894—Keys (Socket, Rubber & Composition)

American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works, Auburn, N. Y.
Electrose Mfg. Co., 70 Wash., Brooklyn, N. Y.
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp., 25 W. 45th, New York.
Scranton Button Co., Scranton, Pa.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
*See adv index at end of book*

### 6895— Keys (Split)

Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

### 6896—Keys (Street Washer)

Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Malleable Iron Fittings Co. ("M. I. F. Co") Branford, Conn.
burgh, Pa.

### 6897— Kiers

Chattanooga Boiler & Tank Co., Chattanooga, Tenn.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
Jefferson E. D. & Son, 53 State, Boston, Mass.
Leslie, Elliott & Co., Paterson, N. J.
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv. index at end of book.*
Roberts Iron Works Co., Cambridge, Mass.
Scannell Boiler Works, Lowell, Mass.
Smith, Drum & Co. (Boiling Out), Allegheny av & 5th, Phila., Pa.
Smith Samuel & Son Co., Paterson, N. J.
Stafford Wright & Son, Lawrence, Mass.
Textile Finishing Machinery Co. (Boiling), 171 Westminster, Providence, R. I.
Utica Novelty & Mill Specialty Co. (Boiling off), Utica, N. Y.
Wholey Boiler Works, 98 Whipple, Providence, R. I.

### 6898-9— Kieselguhr

Celite Products Co., Van Nuys bldg., Los Angeles, Cal.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
National Sales Co. (Imp.), 31 E 13th, Cincinnati, O.
OXFORD TRIPOLI SALES CO., INC., 11 B'way, New York.
Whittaker, Clark & Daniels, Inc. (Imp), 250 Front, New York

### 6900— Killers (Fly, Poison)

Craun Bros. ("Fly Pie"), Butler, Ind.

### 6901—Killers (Fly, Swatters)

American Badge Co., 143 W Austin av, Chicago, Ill.
Andrews Wire & Iron Works ("Kant Scratch"), Rockford, Ill.
Atlas Mfg. Co. ("Smith," "Atlas"), New Haven, Conn.
Best Mfg. Co. (Wire), Charlotte, Mich.
Carswell David ("St. Joe"), St. Joseph, Mo.
Cassady Fairbank Mfg. Co. ("Dandy," "Excelsior"), 6126 S La Salle, Chicago, Ill.
Cawood Novelty Mfg. Co., Danville, Ill.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Dollar W. H. Mfg. Co. ("Keenest"), Camden, N. J.
Drake A. W. Mfg. Co., Hazelton, Pa.
Fischer Bros. & Corwin, 235 N 3d, Newark, N. J.
Fly Swatter Mfg. Co., Canton, O.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hoaglin Mfg. Co. ("Badger"), Waupaca, Wis.
Lubbers & Bell Mfg. Co. ("Jackson" Steel Spring, "Ajax," "Bingo," "Samson"), Clinton, Ia.
Merrifield Co. ("Champion"), Springvale, Me.
Metzger R. A., New Philadelphia, O.
Osborn Mfg. Co., 5405 E Hamilton, Cleveland, O. *See adv index at end of book*
Parker Wire Goods Co. ("Eureka," "Easy" Wire), Worcester, Mass.
Racine Iron & Wire Works, Racine, Wis.
Somers Harold (Daisy), 150 De Kalb av, Brooklyn, N. Y.
Standard Vending Machine Co., Hazelton, Pa.
Swift Fly Swatter Mfg. Co., 1412 W 12th Kansas City, Mo.
Timberlake J. B. & Sons ("Jasor & "Gem" Wire Screen), Jackson, Mich.
U. S. Wire Mat Co. ("King," "Queen," "Princess," "Prince," "Yankee," "Kant Mis," "Swatmor," "Vexen," "Swat-Sticka"), Decatur, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson-Hurd Co. ("Getsum"), Wausau, Wis.
Wire Goods Co., Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

### 6902—*Killers (Gopher & Squirrel)

Felix Girard Co., Inc., 4th av. So. & Franklin, Minneapolis, Minn.
HERCULES POWDER CO., Wilmington, Del. *See adv index at end of book*

### 6903—Killers (Weed, Chemical)

Chipman Chemical Engng. Co., Inc. ("Atlas A"), 95 Liberty, New York
Protexal Corp., 41 Barclay, New York
Reade Mfg. Co. ("Herbicide"), Hoboken, N. J.

### 6904—Kiln Drying Apparatus Mfrs.

American Blower Co., 1400 Russell, Detroit, Mich.
Bayley Mfg. Co. (For Lumber, etc.), Milwaukee, Wis.
Buffalo Forge Co., Buffalo,, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Drying Systems, Inc., 910 S. Michigan av, Chicago, Ill.
Garden City Fan Co., 332 S Michigan av, Chicago, Ill.
Gurke Drier & Boiler Co., 317 E 2d, New York
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
New York Blower Co., Archer av & Canal, Chicago, Ill.; Works: Bucyrus, O.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
WINCHELL H. C., 20 E Jackson blvd, Chicago, Ill.

### Kilns (Brick)

See Kilns, Dry with the Word "Brick" Following the Name

### 6905-6— Kilns (Cement)

CHICAGO BRIDGE & IRON WORKS, 2105 Old Colony bldg, Chicago, Ill.
*See adv index at end of book*
PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
TRAYLOR ENGINEERING & MFG. CO., Allentown, Penna.
*See adv index at end of book*

Worthington Pump & Machinery Corp., 115 Broadway, New York
*See adv index at end of book*

## 6907— Kilns (China)

Bellevue Furnace Co. ("Perfection" for Firing, Decorated China, Glass, Pottery & Enameled Ware), 703 Bellevue av, Detroit, Mich.
Caulkins H. J. & Co. ("Revelation"), State & Griswold, Detroit, Mich.
Egle Bros. Mfg. Co., 169 Sylvester, Detroit, Mich.
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
Ideal China Kiln Co., Port Huron, Mich.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Lavelle Foundry Co. ("Wilke Studio"), Anderson, Ind.
Stearns, Fitch & Co. ("Fitch" Portable, Gas or Charcoal), Springfield, O.

## 6908— Kilns (Continuous)

**AMERICAN DRESSLER TUNNEL KILNS, INC.,** 171 Madison av, New York
**Didier-March Co. (Continuous Tunnel Kilns, Keasbey, N. J.**
Geybeck Engng. Co., 45 South, Portland, Ore.
Glamorgan Pipe & Foundry Co. (Discharge Gas Fired), Lynchburg, Va.
Hoehne R. B. & Associates (Coal-Fired), St. Louis, Mo.
International Clay Machy. Co. (Produce Gas Fired), Dayton, O.
Flose A., 277 Hawthorne av, Portland, Ore.
Gates Alfred (Down-Draft), Shawmut, Pa.

## 6909— Kilns (Dry)

See also Dryers, Brick; also Kiln Drying Apparatus Manufacturers

American Blower Co., 1400 Russell, Detroit, Mich.
American Clay Machinery Co. (Brick & Clay), S Walnut, Bucyrus, O.
*See adv index at end of book*
Andrews A. H. Co. (Lumber, Dry Kilns), 107 S Wabash av, Chicago, Ill.
Buffalo Forge Co., Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Cutler Dry Kiln Co., 20 Churchill, Buffalo, N. Y.
Emerson Dry Kiln Co., Flatiron bldg, New York
Ervien Chas. W. & Co., Venango & G, Phila., Pa.
Galland-Henning Mfg. Co. (Malt), Railway Exchange bldg., Milwaukee, Wis.
Geysbeck Engng. Co. (Brick), 45 South, Portland, Ore.
Grand Rapids Veneer Works, Grand Rapids, Mich.
Green Fuel Economizer Co., Beacon, N. Y.
Hoehue R. B. & Associates (Coal-Fired), St. Louis, Mo.
Hook Patent Kiln Co., Columbus O.
Hunter Dry Kiln Co. (For Rubber), E 26th & Cornell av, Indianapolis, Ind.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
International Clay Machy. Co. (Brick), Dayton, O.
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Kelkner Blower Co., 2383 Fillmore av, Buffalo, New York
Koven L. O. & Bro. (Appurtenances), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lovejoy Ellis (Brick, etc.), Columbus, O.
Miller J. K. Co. ("Western"), Seattle, Wash.
Moore L. Dry Kiln Co., Jacksonville, Fla.
National Dry Kiln Co. (Lumber), Indianapolis, Ind.
New Process Vacuum Dry Kiln Co. (Wood, Brick, or Steel), 2011 E 18th, Kansas City, Mo.
New York Blower Co., Archer av & Canal, **Chicago, Ill.**
North Coast Dry Kiln Co., Seattle, Wash.
Ohio Kiln Co., Vigo, O.
Platt Pressed & Fire Brick Co., (Brick, Tile, etc), Van Meter, Ia.
Ridgway Mfg. Co. ("Murphy" Moist Air Condensing, for Lumber), Ridgway, Pa.
Smith Claude Co. (Brick), 388 S Dearborn, Chicago, Ill.
Standard Dry Kiln Co., Indianapolis, Ind.
Wetherill Robt. & Co., Chester, Pa.
Yates Alfred (Brick), Shawmut, Pa.

## 6910— Kilns (Lime Burning)

Duff Patents Co., Frick bldg, Pittsburgh, Pa.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Improved Equipment Co. ("Doherty-Eldred" Coal Fired), 60 Wall, New York
McNamara Bros. Co., Westport, Baltimore, Md.
Smidth F. L. & Co., 50 Church, New York
Steacy-Schmidt Mfg. Co. ("Keystone," Continuous), York, Pa.
Tecktonius E. C. Mfg. Co. ("Tecktonius-Vogt"), Racine, Wis.
Tippett & Wood, Phillipsburg, N. J.
United Iron Works, Inc., Kansas City, Mo.

## 6911—Kilns (Lime, Sugar Refining)

Hassell Iron Works Co., Colorado Springs, Colo.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Stearns-Roger Mfg. Co., Denver, Colo.

## Kilns (Lumber Drying)

See Kiln Drying Apparatus Mfrs. & Kilns, Dry

## 6912— Kilns (Malt)

Littleford Bros., 444 E Pearl, Cincinnati, O.

## Kilns (Roasting)

See Kilns, Rotary

## 6913— Kilns (Rotary)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Bonnot Company, Canton, O.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg., Chicago, Ill.
*See adv index at end of book*
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*
Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
**KENNEDY-VAN SAUN MFG. & ENG. CORP.** (Cement), 120 Broadway, New York. *See adv index at end of book*
Leslie, Elliott & Co., Paterson, N. J.
McDermitt Bros. Co., Allentown, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Mosser W. F. & Son, Allentown, Pa.
**PITTSBURG-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Reeves Bros. Co., The (For Cement, etc), Alliance, O. *See adv index at end of book*
Sterritt-Thomas Foundry Co., 32nd & Smallman, Pittsburgh, Pa.
Treadwell Construction Co., (For cement, etc.), Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
United Iron Works, Inc., Kansas City, Mo.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Vulcan Iron Works, Wilkes-Barre, Pa.
Wetherill Robt. & Co., Chester, Pa.
Worthington Pump & Machy Corp., 115 B'way, New York
*See adv index at end of book*

## 6914—Kindergarten Supplies

Bradley Milton Co., Springfield, Mass.
Hamilton Mfg. Co., Two Rivers, Wis.
Phillips Co., 354 4th av, New York
Readsboro Chair Co. (Tables & Chairs), Readsboro, Vt.

## 6915— Kitchen Sets

American Cutlery Co. ("American Kitchen Friend," "Famous," "Ideal," "Practical,"), 764 Mather, Chicago, Ill.
Cassady Fairbank Mfg. Co. ("Raven," "Blackbird," "White Bird," "Humming Bird"), 6126 S La Salle, Chicago, Ill.
Kohler Die & Specialty Co. ("Six-in-One"), De Kalb, Ill.
White Ira F. & Son Co., Bloomfield, N. J.

## 6915a—Kitchen Utensils for Hotels & Institutions

See also Cooking Apparatus

## 6915b— Kitchen Wire Goods

**AUTOMATIC WIRE GOODS MFG. CO.,** 13-15 Canal pl, New York
*See adv index at end of book*
Gloekler Bernard Co., 1127 Penn av, Pittsburgh, Pa.
Heitler Kurt, 221 4th av, New York
Hotel Equipment Co., Atlanta, Ga.
Jamestown Hardware Co. (Jobbers), Jamestown, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 6916—Kits (Paint, Paste & Ink)

Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Ohio Pail Co. (Impervious), Middlefield, O.


KILNS

KILNS

WE BUILD ROTARY CEMENT KILNS, DRYERS AND COOLERS. STEEL PLATE CONSTRUCTION OF ALL KINDS. TANKS IN STOCK FOR PROMPT SHIPMENT

**THE REEVES BROTHERS CO., ALLIANCE, OHIO**

## 6917— Kits (Pickle, Etc.)

Beaver Mills, Keene, N. H.

## 6918—Kits (Syrup, Honey, Etc.)

Pierpont Mfg. Co. (5 & 10 Gallon, Cypress), Savannah, Ga.

## 6919— Knapsacks

Boyle John & Co., 112 Duane, New York
Pettibone Bros. Mfg. Co., 626 Main, Cincinnati, O.
Rosenson D. & Sons, 1600 Baronne, New Orleans, La.
Standard Stamping Co. (Spraying Solution), Huntington, W. Va.

## 6920— Kneaders (Batch)

Abbe Paul O., 30 Broad, New York

## Knees (Boat, Bob Sleigh, Etc.)

See Ship, Knees

## 6921— Knife-Backs

Cambria Steel Co. (No. 13, B. W. G. & Thicker), Widener bldg, Phila., Pa.

## 6922—Knife & Weeder (Asparagus)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

## 6923—*Knives (Apple Grinder)

**COES LORING & CO.** (Inc.), Coes sq, Worcester, Mass.
*See adv index at end of book*

## 6924— Knives (Asparagus)

Bateman Mfg. Co., Grenloch, N. J.

## 6925— Knives (Back Lathe)

Dowd R. J. Knife Works, Beloit, Wis.
Gage E. E. Mfg. Co., Gardner, Mass.
Gardner Machine Works, Gardner, Mass.
Simonds A. A. & Son Co., Dayton, O.

## 6926— Knives (Banana)

American Cutlery Co., 764 Mather, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co. (Dexter), Southbridge, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.
**NICHOLS BROS.** ("Nichols Bros"), Greenfield, Mass.
Parkhurst L. D., Danielson, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.
Tuck Mfg. Co., Brockton, Mass.

## 6927— Knives (Band)

Aero Wks., Inc., 89 Warren, New York.
Henry & Allen (For Threshers), Auburn, N. Y.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Meriden Cutlery Co. (Sickle Edge), Meriden, Conn.

## 6928—Knives (Band Cutter & Self Feeder)

**COES LORING & CO.** (Inc.), Coes sq, Worcester, Mass.
*See adv index at end of book*
Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Meyer & Co., Throopsville, N. Y.

## Knives (Bark Grinder)

See Knives, Wood Barking Machine

## 6929—Knives (Barrel Machine)

Aero Wks., Inc., 89 Warren, New York.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
*See adv index at end of book*

Cocker Saw Mfg. Co., Lockport, N. Y.
Coes Loring & Co., Inc., Coes sq, Worcester, Mass. *See adv index at end of book*
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*
Worden Tool Co., 1854 Scranton rd, Cleveland, Ohio

## 6930—Knives (Bean Harvester)

American Knife Co., Baldwinsville, N. Y.
Glogau & Co., 466 Dickey bldg Chicago, Ill.

## 6931—Knives (Beet Topper)

Aero Wks., Inc., 89 Warren, New York.
*See adv index at end of book*
Atkins E. C. & Co., Indianapolis, Ind.
Clyde Cutlery Co., Clyde, O.
Disston Hy & Sons, Tacony, Phila., Pa.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Landers, Frary & Clark, New Britain, Conn.
Ontario Knife Co., Franklinville, N. Y.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 6932— Knives (Belt)

Aero Wks., Inc., 89 Warren, New York.
American Tool & Machine Co. ("Crescent" for Leather Splitting Machines), 10 High, Boston, Mass.
Clemson Knife Co., Woburn, Mass.
Fowle John L., Reading, Mass.
Lyons Edw. S., Woburn, Mass.
Manufacturers Belt Hook Co. ("L-X"), 1321 W Congress, Chicago, Ill.
Mulherin Belt Knife Co., Peabody, Mass.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*
Stehling Chas. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

## 6933— Knives (Bench)

Kendrick-Davis Co. ("K.-D."), Lebannon, N. H.

## 6934— Knives (Bone Cutter)

American Knife Co., Baldwinsville, N. Y.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Dilts Machine Works (Inc.), Fulton, N. Y.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.

## 6935—Knives (Bookbinders')

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
Latham Machinery Co., 1153 Fulton, Chicago, Ill.
Richard Stephen Co., Southbridge, Mass.
Simonds A. A. & Son Co., Dayton, O.

## 6936—Knives (Box Corner Cutter)

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 6937— Knives (Bread)

American Cutlery Co., 764 Mather, Chicago, Ill.
Boker Cutlery & Hardware Co., Inc. (Importers), 101 Duane, New York
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
Christy Knife Co., Fremont, O.
Clauss Shear Co. ("Clauss," Serrated & Plain), Fremont, O.
Clyde Cutlery Co., Clyde, O.
Dunlap J. S., 334 S Clinton, Chicago, Ill.
Dunn Ege Tool Co. ("Lightning"), Oakland, Me.

Goodell Co., Antrim, N. H.
Graef & Schmidt (Imported), 107 Chambers, New York
Harrington Cutlery Co. (Dexter), Southbridge, Mass.
Knickerbocker Mfg. Co. (Also Serrated Bread Knives), Belleville, N. J.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass
Landers, Frary & Clark ("Universal"), New Britain, Conn
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Meriden Cutlery Co. ("Anvil Brand"), Meriden, Conn.
National Mfg. Co. & Steel Supply Co. ("Slick Cutter Serrated"), 781 Summit, Newark, N. J.
**NICHOLS BROS.** ("Nichols Bros."), Greenfield, Mass.
Northampton Cutlery Co., Northampton, Mass.
North Wayne Tool Co. ("C. C. Brooks"), Hallowell, Me.
Ontario Knife Co., Franklinville, N. Y.
Parkhurst L. D., Danielson, Conn.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Russell Jno. Cutlery Co., Turners Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.
**Washington Cutlery Co. ("Village Blacksmith")**, Watertown, Wis.
White Ira F. & Son Co., Bloomfield, N. J.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 6938— Knives (Brick)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

## 6939— Knives (Broom Corn)

Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Hyde Mfg. Co., Southbridge, Mass.
Ontario Knife Co., Franklinville, N. Y.
Richard Stephen Co. ("S. R."), Southbridge, Mass.

## 6940— Knives (Burr)

Emrich Phil. (For Sheepskin Tanners), 824 Main, Cincinnati, O.

## 6941— Knives (Butchers')

Boning, Sticking, Cutting, Etc.

American Cutlery Co., 764 Mather, Chicago, Ill.
Barr Bros. Co. (Hand Made), Oakland Cal.
Boker Cutlery & Hardware Co., Inc. ("Peppecorn," "Jno. Wilson's," Imported Knives & Steels), 101 Duane, New York
Brecht Co., 1201 Cass av, St. Louis, Mo.
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
Chatillon Jno. & Sons, 85 Cliff, New York
Clyde Cutlery Co., Clyde, O.
Enderes Inc., Albert Lea, Minn.
Emrich Phil., 824 Main, Cincinnati, O.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Goodell Co. ("Star"), Antrim, N. H.
Graef & Schmidt ("J. A. Henckel's Twin Works"), 107 Chambers, New York
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Hollinger Cutlery Co., Fremont, O.
Kastor Adolph & Bros. ("Thomas Wilson," Knives & Steel), 109 Duane, New York
Knickerbocker Mfg. Co., Belleville, N. J.
Lamson & Goodnow Mfg. Co. ("L. & G."), Shelburne Falls, Mass.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Meriden Cutlery Co. ("Anvil Brand," "Razor Edge"), Meriden, Conn.
**NICHOLS BROS.** ("Nichols Bros."), Greenfield, Mass.
**Nittinger Aug., Sr. (Est. of), 826 N. 4th Phila., Pa.**
Northampton Cutlery Co., Northampton Mass.

Ontario Knife Co., Franklinville, N. Y.
Parkhurst L. D., Danielson, Conn.
Pope T. J., Sauquoit, N. Y.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Robeson Cutlery Co., Rochester, N. Y.
Russell John Cutlery Co., Turners Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
White Ira F. & Son Co., Bloomfield, N. J.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Woodworth Knife Works, Nunda, N. Y.
Wostemholm Geo. & Son ("I X L" Imp), 105 Chambers, New York

## 6942— Knives (Candy)

Collins Co., Collinsville, Conn.
Disston Henry & Sons (Inc.), Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 6943—Knives (Cane, Machettas, Etc.)

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co. (Hand), Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind.
Collins Co. (Hand), Collinsville, Conn.
Disston Henry & Sons, Inc., Tacony, Phila., Pa.
Simonds Mfg. Co. (Cane), Fitchburg, Mass. *See adv index at end of book*

## 6944— Knives (Carpet)

Harrington T. J., Southbridge, Mass.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.

## 6945— Knives (Carving)

American Cuttlery Co., 764 Mather, Chicago, Ill.
Boker Cutlery & Hardware Co., Inc. ("Tree Brand" Imported), 101 Duane, New York
Buffalo Knife Co., Buffalo, N. Y.
Chatillon Jno. & Sons, 85 Cliff, New York
Christy Knife Co., Fremont, O.
Clauss Shear Co., Fremont, O.
Crescent Mfg. Co., Fremont, O.
Goodell Co., Antrim, N. H.
Graef & Schmidt ("Twin Brand" Imported), 107 Chambers, New York
Knickerbocker Mfg. Co., Belleville, N. J.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Meriden Cutlery Co. ("Anvil Brand"), Meriden, Conn.
NICHOLS BROS. ("Nichols Bros"), Greenfield, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Shelton Tool & Mach. Co., Shelton, Conn.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
White Ira F. & Son Co., Bloomfield, N. J.

## 6946— *Knives (Celluloid)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
*See adv index at end of book*
Simons A. A. & Son Co., Dayton, O.

## 6947—Knives (Chair Bottom)

Anderson Knife & Bar Co., Anderson, Ind.
Dowd R. J. Knife Works, Beloit, Wis.
Simons A. A. & Son Co., Dayton, O.
Simonds Mfg. Co., Fitchburg, Mass. *See adv index at end of book*

## 6948— Knives (Chamfer)

Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Dilts Machine Works (Inc.), Fulton, N. Y.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Oram John S. Co., 1316 E. 53rd, Cleveland, O.
Simons A. A. & Son Co., Dayton, O.
White L. & I. J. Co. (Right & Left & Beer Keg, etc), 120 Columbia, Buffalo, N. Y.

## 6949— Knives (Cheese)

American Cutlery Co., 764 Mather, Chicago, Ill.
Enterprise Mfg. Co. of Pa. (Self-Gauging), 3d & Dauphin, Phila., Pa.
Goodell Co., Antrim, N. H.
Harrington Cutlery Co. (For Family Use), Southbridge, Mass.
Herschel R. Mfg. Co., Peoria, Ill.
Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
NICHOLS BROS. ("Nichols Bros."), Greenfield, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 6950— Knives (Chipper)

Aero Wks., Inc., 89 Warren, New York.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
*See adv index at end of book*
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Dilts Machine Works (Inc.), Fulton, N. Y.
Dowd R. J. Knife Works, Beloit, Wis.
Mitts & Merrill, Saginaw, Mich.
Simonds A. A. & Son Co., Dayton, O.
SIMONDS MFG. CO., Fitchburg, Mass. *See adv index at end of book*
Stortz Jno. & Son, 210 Vine, Phila., Pa.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 6951— Knives (Chipping)

Anderson Knife & Bar Co., Anderson, Ind.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

## 6952— Knives (Chopping)

Browne W. F. Mfg. Co., Kingston, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cassady Fairbank Mfg. Co. ("Double Blade," etc.), 6126 S La Salle, Chicago, Ill.
Dover Stamping & Mfg. Co. (For Family Use), Cambridge, Mass.
Emrich Phil (Armhole, Cloth & Cloak), 824 Main, Cincinnati, O.
Richard Stephen Co. (Meat), Southbridge, Mass.
Thayer Mfg. Co., Williamsburg, Mass.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 6953— Knives (Cigar)

American Cutlery Co., 764 Mather, Chicago, Ill.
Decker E. F., Saw Works, Albany, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.
Emrich Phil., 824 Main, Cincinnati, Ohio
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Harrington T. J. ("Dexter"), Southbridge, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Miller, Du Brul & Peters Mfg. Co., 507 E Pearl, Cincinnati, O.
National Mfg. & Steel Supply Co. ("Richardson Bros."), 781 Summit, Newark, N. J.
Parkhurst L. D., Danielson, Conn.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Tuck Mfg. Co., Brockton, Mass.

## 6954— Knives (Circular)

Aero Wks., Inc., 89 Warren, New York.
Decker E. F., Saw Works, Albany, N. Y.
Disston Henry & Sons, Inc., (For Cork, Cloth, Leather & Paper), Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co. (For Cork, Cloth, Leather & Paper), Rochester, N. Y. *See adv index at end of book*
Simonds Mfg. Co., Fitchburg, Mass. *See adv index at end of book*
Southern Saw Works, East Point, Ga.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

## Knives (Clam)

See Knives, Oyster & Clam

## 6955—Knives (Cloth Cutting)

Decker E. F., Saw Works, Albany, N. Y.
Emrich Phil ("Emrich" Sheffield Silver Steel), 824 Main, Cincinnati, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Simonds A. A. & Son Co., Dayton, O.

## 6956—*Knives (Clothes Pin)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
*See adv index at end of book*

## 6957—*Knives (Clover Huller)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
*See adv index at end of book*

## 6958— Knives (Cooperage)

See also Knives, Drawing

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
*See adv index at end of book*
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Simonds A. A. & Son Co., Dayton, O.
SIMONDS MFG. CO., Fitchburg, Mass. *See adv index at end of book*
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 6959— Knives (Cope Cutter)

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass. *See adv index at end of book*
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Dilts Machine Works, (Inc.), Fulton, N. Y.
Dowd R. J. Knife Works, Beloit, Wis.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Simonds A. A. & Son Co., Dayton, O.
SIMONDS MFG. CO., Fitchburg, Mass. *See adv index at end of book*

## 6960—*Knives (Cord Wood Splitter)

COES LORING & CO. (INC.), Coes sq, Worcester, Mass.
*See adv index at end of book*

## 6961— Knives (Coring)

Ontario Knife Co. ("California"), Franklinville, N. Y.

## 6962— Knives (Cork)

Aero Wks., Inc., 89 Warren, New York.
Atkins E. C. & Co., Indianapolis, Ind.
Decker E. F., Saw Works, Albany, N. Y.
Disston Henry & Sons, Inc. (Circular), Tacony, Phila., Pa.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Oldham New York Saw Works, Inc., 112 26th, Brooklyn, N. Y.
Parkhurst L. D., Danielson, Conn.
Simonds A. A. & Son Co., Dayton, O.

## Knives (Corn Cutter)

See Knives, Hay & Corn Cutter

## 6963—Knives (Corn Harvester)

American Knife Co., Baldwinsville, N. Y.
Anderson Knife & Bar Co., Anderson, Ind.
Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind.
**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Disston Henry & Sons, Inc., Tacony, Phila, Pa.
Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
North Wayne Tool Co. ("H. S. Earle's"), Hallowell, Me.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 6964—Knives (Cotton Seed Huller)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
French Oil Mill Machinery Co., Piqua, O.

## 6965—*Knives (Cotton Shear)

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*

## 6966— Knives (Curd)

Burrell D. H. & Co., Little Falls, N. Y.

## 6967—Knives (Cylinder Huller)

French Oil Mill Machinery Co. ("Faherty," for Cottonseed Oil Mills, etc), Piqua, O.

## 6968— Knives (Dehorner)

American Knife Co., Baldwinsville, N. Y.
Phillips M. T. ("Keystone"), Pomeroy, Pa.
Ridgely Trimmer Co., Springfield, O.

## 6969— Knives (Dirk)

Dilts Machine Works (Inc.), Fulton, N. Y.
Novelty Cutlery Co., Canton, O.

## 6970—*Knives (Double Edge)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Simonds A. A. & Son Co., Dayton, O.

## 6971— *Knives (Dowel)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*

## 6972-3— Knives (Drawing)

Black John B. Co., Chester, Pa.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York.
Buck Bros., Millbury, Mass.
Disston Hy. & Sons (Carpenters, etc), Tacony, Phila., Pa.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Greenlee Bros. & Co. ("Reliance"), Rockford, Ill.
Jennings C. E. & Co. ("C. E. J. & Co.'s" "J. & G. Mfg. Co."), 71 Murray, New York
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Ransome Concrete Machinery Co., Dunellen, N. J.
S. & I. Co. (Razor, Blade & Folding Handle), Springfield, Mass.
Smith H. D. & Co. ("Perfect Handle"), Plantsville, Conn.
Swan Jas. Co. ("Bradley" Pattern, "Swan" Folding Handle, etc), Seymour, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.
Wilkinson A. J. & Co. (Folding), 184 Washington, Boston, Mass.
Winsted Edge Tool Works ("T. H. Witherby"), Winsted, Conn.

## 6974— Knives (Ensilage)

American Knife Co., Baldwinsville, N. Y.
Anderson Knife & Bar Co., Anderson, Ind.
**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Dilts Machine Works (Inc.), Fulton, N. Y.
Hardy L. Co., Worcester, Mass.
Henry & Allen, Auburn, N. Y.

## 6975— Knives (Excelsior)

American Knife Co., Baldwinsville, N. Y.
Atkins E. C. & Co., Indianapolis, Ind.
Cocker Saw Mfg. Co., Lockport, N. Y.
**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Dilts Machine Works (Inc.), Fulton, N. Y.
Dowd R. J. Knife Works, Beloit, Wis.
Ohio Knife Co., Cincinnati, Ohio
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*

## 6976— Knives (Farriers')

Bagshaw & Field, 445 N 5th, Phila., Pa.
Bicknell Mfg. & Supply Co., Janesville, Wis.
Challenge Cutlery Corp., Bridgeport, Conn.
Champion Tool Co. ("Keystone"), Meadville, Pa.
Heller Bros. Co. (Hoof), 870 Mt. Prospect av, Newark, N. J.
Pope T. J. ("Pope's"), Sauquoit, N. Y.
Woodworth Knife Works, Nunda, N. Y.

## 6977—Knives (Feather Curling)

Harrington Cutlery Co., Southbridge, Mass.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.

## 6978— Knives (Fruit)

Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Goodell Co., Antrim, N. H.
Meriden Cutlery Co. (Grape Fruit), Meriden, Conn.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 6979— Knives (Fur Cutter)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Emrich Phil., 824 Main, Cincinnati, O.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Simonds Mfg. Co., Fitchburg, Mass.
*See adv index at end of book*

## 6980— Knives (Gauge Lathe)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*

## 6981—Knives (Grape Pruner)

Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.

## 6982— *Knives (Handle)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*

## 6983—Knives (Harness Makers')

Glogau & Co., 466 Dickey bldg, Chicago, Ill.

When writing to firms whose names appear in this book please mention
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Osborne C. S. & Co., Box 183 Newark, N. J. *See adv index at end of book*

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NEWARK, N. J.
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in the world
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Rose Wm. & Bros., Sharon Hill, Pa.
Simonds A. A. & Son Co., Dayton, O.

## 6984— Knives (Hay)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Dilts Machine Works (Inc.), Fulton, N. Y.
Dunn Edge Tool Co. ("Holts' Lightning," "Blizzard"), Oakland, Me.
Erie City Mfg. Co. ("Arrow"), Erie, Pa.
Iwan Bros. ("Iwan's," Sickle & Serrated Waving Edge), South Bend, Ind.
North Wayne Tool Co., Hallowell, Me.
Swineford G. A. Co. ("Adjustable," "Canton Sickle Edge"), Canton, O.
Wallingford Mfg. Co. ("Lightning" Pattern, "Heath" Pattern), Wallingford, Vt.
Winsted Mfg. Co. (Hand), Winsted, Conn.

## 6985—Knives (Hay & Corn Cutter)

American Axe & Tool Co., Glassport, Pa.
American Knife Co., Baldwinsville, N. Y.
Bateman Mfg. Co. ("The Eureka"), Grenloch, N. J.
**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
**Dilts Machine Works (Inc.), Fulton, N. Y.**
Hankey A. & Co., Rochdale, Mass.
Henry & Allen, Auburn, N. Y.
Ney Mfg. Co. ("American" Hay Sickle Edge), Canton, O.
North Wayne Tool Co. ("C. C. Brooks' & "H. S. Earle's"), Hallowell, Me.
Wadsworth David & Son, Auburn, N. Y.
Wallingford Mfg. Co. ("Western King," "Keystone," "Daisy Clipper"), Wallingford, Vt.
Winsted Mfg. Co., Winsted, Conn.

## 6986— *Knives (Header)

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*

## 6987—Knives (Hedge & Root)

Atkins E. C. & Co., Indianapolis, Ind.
Black John B. Co. ("Wm. Beatty & Sons"), Chester, Pa.
Clyde Cutlery Co., Clyde, O.
Disston Henry & Sons ("Champion"), Tacony, Phila., Pa.
Evansville Tool Works (Axle Handle), Evansville, Ind.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.

## 6988—Knives (High Speed Steel)

Aero Wks., Inc., 89 Warren, New York.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*

## 6989— Knives (Hog)

Aero Wks., Inc., 89 Warren, New York.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
**Dilts Machine Works, Fulton, N. Y.**
Dowd R. J. Knife Wks., Beloit, Wis.
Mitts & Merrill ("M. & M."), Saginaw, Mich.
Simonds A. A. & Son Co., Dayton, O.

## 6990— Knives (Hoop)

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Dilts Machine Works, Fulton, N. Y.
Dowd R. J. Knife Works, Beloit, Wis.
Simonds A. A. & Son Co., Dayton, O.
White L. & I. J. Co., 120 Columbus, Buffalo, N. Y.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.

## 6991-2—*Knives (Hoop Machine)

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Simonds A. A. & Son Co., Dayton, O.

## Knives (Jointer)

See Knives, Wood Working Machine

## 6993—Knives (Kitchen, Paring, Etc.)

American Cutlery Co. ("Famous," etc), 764 Mather, Chicago, Ill.
**Barr Bros. Co. (Hand Made), Oakland, Cal.**
Boker Cutlery & Hardware Co., Inc. ("Gifford's" Razor Blade, Paring & Slicing), 101 Duane, New York
Browne W. G. Mfg. Co. ("Acme" "Elite"), Kingston, N. Y.
**Browne & Dowd Mfg. Co. ("B. & D. Co."), Meriden, Conn.**
**Buffalo Knife Co., Buffalo, N. Y.**
**Cassady Fairbank Mfg. Co. ("Lincoln"),** 6126 S La Salle, Chicago, Ill.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Chatillon Jno. & Sons, 85 Cliff, New York
Christy Knife Co. ("Christy," "Eclipse"), Fremont, O.
Clyde Cutlery Co., Clyde, O.
**Crescent Mfg. Co., Fremont, O.**
Divine Dwight & Sons ("Ulster"), Ellenville, N. Y.
**Dover Stamping & Mfg. Co., Cambridge, Mass.**
Dunlap J. S., 334 S Clinton, Chicago, Ill.
Emrich Phil., 824 Main, Cincinnati, O.
Enderes, Inc., Albert Lea, Minn.
Failor Martin Corp., 233 B'way, New York
Foster Bros. & Chatillon Co., Fulton, N. Y.
Gibford Weiffenbach Co. ("Razor Blade"), Adrian, Mich.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Goodell Co. (Paring), Antrim, N. H.
Graef & Schmidt ("Twin" Brand, Imported), 107 Chambers, New York
Hamblin & Russell Mfg. Co., Worcester, Mass.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Knickerbocker Mfg. Co., Belleville, N. J.
**Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.**
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lothrop H. A. & Co., Sharon, Mass.
Meriden Cutlery Co. ("Anvil"), Meriden, Conn.
Murphy's Robt. Sons Co. ("R. Murphy's") Ayer, Mass.
**NICHOLS BROS.** ("Nichols Bros"), Greenfield, Mass.
**Northampton Cutlery Co., Northampton, Mass.**
Ontario Knife Co., Franklinville, N. Y.
Parkhurst L. D. ("Own Brand," "L. D. P."), Danielson, Conn.
Republic Metalware Co., Buffalo, N. Y.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Russell Jno. Cutlery Co., Turners Falls, Mass.
Teller R. K., Unadilla, N. Y.
Tie Co. ("Teller"), Unadilla, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Washington Cutlery Co. ("Village Blacksmith," "Blitz"), Watertown, Wis.
White Ira F. & Son Co. (Also Slotted), Bloomfield, N. J.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 6994—Knives (Lawn Mower)

Anderson Knife & Bar Co., Anderson, Ind.
**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*
Hardy L. Co., Worcester, Mass.

## 6995—Knives (Leather Splitting)

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
Emrich Phil., 824 Main, Cincinnati, O.
Hankey A. & Co., Rochdale, Mass.
**Isele A. W. & Son, 51 Pitt, Boston, Mass.**
Lovejoy D. & Son, Lowell, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Osborne C. S. & Co. (Harness Makers, etc), Box 183, Newark, N. J.
*See adv index at end of book*
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
White L. & I. J. Co, 120 Columbia, Buffalo, N. Y.

## 6996— *Knives (Linotype)

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*


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is a Complete Register of the manufacturers in lines of trade that come within the scope of the work.

*The concerns who advertise, or whose names are in bold face type, are those who are able and willing to do a National trade. Write to them and mention*

Hendricks' Commercial Register


## 6997—Knives (Listing Jointer)

**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
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Simonds A. A. & Son Co., Dayton, O.

## 6998—Knives (Lithograph Stone)

**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*
Dowd R. J. Knife Works, Beloit, Wis.
Simonds A. A. & Son Co., Dayton, O.

## 6999— *Knives (Logwood)

**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7000—*Knives (Loom, Axminster)

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
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## 7001—*Knives (Loom, Carpet)

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7002-3—Knives (Machine)

American Knife Co., Baldwinsville, N. Y.
Anderson Knife & Bar Co., Anderson, Ind.
Atkins E. C. & Co., Indianapolis, Ind.
Bailey & Blendinger Mfg. Co., Woburn, Mass.
Bolton John W. & Sons, Inc., Lawrence, Mass.
California Saw Works, 721 Brannan, San Francisco, Cal.
Chattanooga Saw Works, Chattanooga, Tenn.
Chicago Knife Works, 228 S Clinton, Chicago, Ill.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Cocker Saw Mfg. Co., Lockport, N. Y.
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Daniels Machine Co., S. Royalton, Vt.
Decker E. F., Saw Works, Albany, N. Y.
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Dilts Machine Works (Inc.), Fulton, N. Y.
Disston Henry & Sons, Tacony, Phila, Pa.
Dowd R. J. Knife Works, Beloit, Wis.
Eagle Knife & Bar Co., Lawrence, Mass.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Foucart J. E., Williamsport, Pa.
Gage E. E. Mfg. Co., Gardner, Mass.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Goes Oscar & Co., 1822 W Lake, Chicago, Ill.
Gustafson & Scott Mfg. Co., 4325 Wabansia av, Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
Hardisty & Co., Garland, Linwood, Cincinnati, O.
Hardy L. Co., Worcester, Mass.
Henry & Allen, Auburn, N. Y.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
Highland Machine Co., 56 Kemble Rox, Boston, Mass.
Holyoke Bar Co., Holyoke, Mass.
Horne J. H. & Sons Co. (Planing, etc), Lawrence, Mass.
Huther Bros. Saw Mfg. Co. (High Speed Steel Planer Knives), Rochester, N. Y.
*See adv index at end of book*
Kaiser F. C. & Son, Muncie, Ind.
Kentucky Saw Works, Louisville, Ky.
Lancaster Machine & Knife Works, Lancaster, N. Y.
Lovejoy D. & Son, Lowell, Mass.
Lloyd John Co., 124 Baxter, New York
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mitts & Merrill, Saginaw, Mich.
Moss Arthur J., 178 Centre, New York
Munson Co., Grand Rapids, Mich.
Ohio Knife Co., Cincinnati, O.
Oldham New York Saw Works, Inc., 114 26th, Brooklyn, N. Y.
Penfield Saw Works, Bristol, Conn.
Phillips F. R. & Sons Co., Penna. bldg, Phila, Pa.

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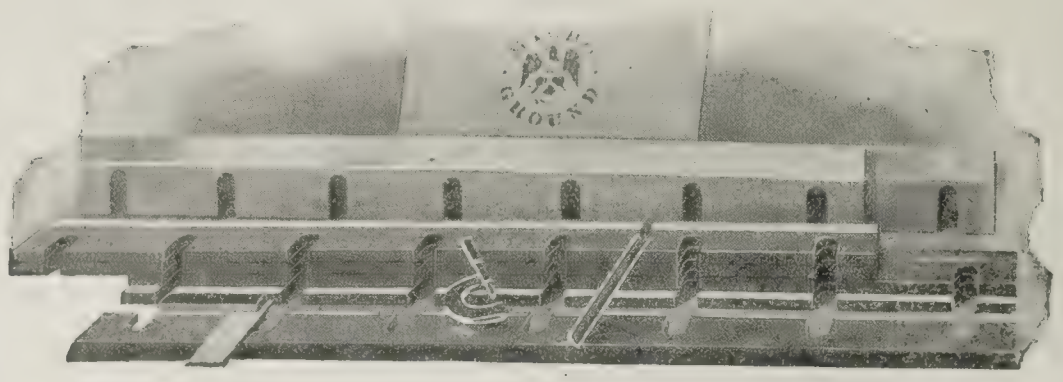

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Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*
Snell & Atherton, Brockton, Mass.
Southern Saw Wks, East Point, Ga.
Taylor, Stiles & Co., Riegelsville, N. J.
Toland & Son, 232 Front, Baltimore, Md.
Toledo Saw & Supply Co., Toledo, O.
Wapakoneta Machine Co., Wapakoneta, O.
Webb-Baxter Co., Anderson, Ind.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.
York Saw Works, York, Pa.

## Knives (Machine, Wood Cutting)

See Knives, Wood Working Machine

## Knives (Matcher)

See Knives, Wood Working Machine

## 7004—*Knives (Meat Slicer)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7005—Knives (Metal Shear)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Simonds A. A. & Son Co., Dayton, O.

## 7006— Knives (Mincing)

Arcade Mfg. Co., Freeport, Ill.
Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind.
Boker Cutlery & Hardware Co., Inc. (Imported), 101 Duane, New York
Browne & Dowd Mfg. Co. ("B & D Co."), Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Clauss Shear Co., Fremont, O.
Forsyth Metal Goods Co., E. Aurora, New York
Glogau & Co., 466 Dickey bldg., Chicago, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Knickerbocker Mfg. Co., Belleville, N. J.
Landers, Frary & Clark, New Britain, Conn.
Parks & Parks, Troy, N. Y.
Potter Mfg. Co. ("Potter"), Geneva, O.
Streeter N. R. & Co. ("Sensible"), Rochester, N. Y.
Udell Works ("Clauss"), Indianapolis, Ind.

## 7007— Knives (Mitre)

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Dowd R. J. Knife Works, Beloit, Wis.
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*

## Knives (Moulding Machine)

See Knives, Wood Working Machine

## 7008—Knives (Mower & Reaper)

Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Mason F. C. & Co., St. Johns, Mich.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

## 7009— Knives (Oil Cloth)

American Cutlery Co., 764 Mather, Chicago, Ill.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Disston Hy. & Sons, Tacony, Phila., Pa.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Judson Cutlery Co., 41 Union sq, New York
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Kimball C. J. Co., Bennington, N. H.
**OSBORNE C S. & CO.**, Box 183, Newark, N. J. *See adv index at end of book*
Parkhurst L. D., Danielson, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Tusk Mfg. Co., Brockton, Mass.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 7010— *Knives (Overlay)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7011—Knives (Oyster & Clam)

Allen D. S., Port Lavaca, Tex.
Bagshaw & Field, 445 N 5th, Phila, Pa.
Bannister R. F. & Co., Newark, N. J.
Carver Tool Works (Carver's), Spring Valley, N. Y.
Clyde Cutlery Co., Clyde, Ohio
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Dunlap J. S., 334 S Clinton, Chicago, Ill.
Eagle Tool Works, Bayonne, N. J.
Emrich Phil. (N. Y., Style), 824 Main, Cincinnati, O.
Foster Bros. & Chatillon Co., Fulton, N. Y.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Harrington T. J. ("Dexter"), Southbridge, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.
Ontario Knife Co., Franklinville, N. Y.
**OSBORNE C. S. & CO.**, Box 183, Newark, N. J. *See adv index at end of book*

**Parkhurst L. D., Danielson, Conn.**
**Richard Stephen Co. ("S R"), Southbridge, Mass.**
Russell John Cutlery Co., Turners Falls, **Mass.**
**Stortz John & Son, 210 Vine, Phila., Pa.**
Thayer Mfg. Co., Williamsburg, Mass.
Tuck Mfg. Co., Brocton, Mass.
**Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.**
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 7012— Knives (Painters')

Glogau & Co., 466 Dickey bldg, Chicago, Ill.
**Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.**
**Landers, Frary & Clark, ("Universal"), New Britain, Conn.**
**Ridgely Trimmer Co., Springfield, O.**
Russell John Cutlery Co. (Palette, Hacking, Gilding, etc.), Turners Falls, Mass.

## 7013—*Knives (Panel Raising)

**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 7014— Knives (Paper)

**Aero Wks., Inc., 89 Warren, New York.**
**Atkins E. C. & Co., Indianapolis, Ind.**
**Celluloid Co., 36 Washington Pl., New York.**
**Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.**
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
**Decker E. F., Saw Works, Albany, N. Y.**
**Dilts Machine Works (Inc.), Fulton, N. Y.**
Disston Hy. & Sons, Tacony, Phila., Pa.
**Foster Bros. & Chatillon Co., Fulton, N. Y.**
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
**Hardy Wallace L. (Rotary, Joliet, Ill.**
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
**Mack & Co. ("D. R. Barton"), Rochester, N. Y.**
**Parkhurst L. D., Danielson, Conn.**
Russell John Cutlery Co. (Green River Works), **Turners Falls, Mass.**
**Simonds A. A. & Son Co., Dayton, O.**
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
**Tiley, Pratt Co., Essex, Conn.**

## 7015—Knives (Paper Box Machine)

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Simonds A. A. & Son Co., Dayton, O.**

## 7016—Knives (Paper Cutter)

**American Knife Co., Baldwinsville, N. Y.**
**Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.**
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
**Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.**
**Dilts Machine Works (Inc.), Fulton, N. Y.**
**Disston Henry & Sons, Tacony, Phila., Pa.**
**Dowd R. J. Knife Works, Beloit, Wis.**
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
**Lancaster Mach. & Knife Works, Lancaster, N. Y.**
**Ohio Knife Co. (The), Cincinnati, O.**
**Simonds A. A. & Son Co., Dayton, O.**
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
**Taylor, Stiles & Co., Riegelsville, N. J.**
**White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.**
**Worden Tool Co., 1854 Scranton rd, Cleveland, O.**

## 7017—Knives (Paper Hangers')

**American Cutlery Co., 764 Mather, Chicago, Ill.**
**Clyde Cutlery Co., Clyde, O.**
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
**Harrington T. J. ("Dexter"), Southbridge, Mass.**
**Landers, Frary & Clark, New Britain, Conn.**
**Murphy's Robt. Sons Co. ("R. Murphy's"), Ayer, Mass.**
**Northampton Cutlery Co., Northampton, Mass.**
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
**Richard Stephen Co. ("S. R."), Southbridge, Mass.**
**Ridgely, Trimmer Co., Springfield, O.**
**Stortz Jno. & Son, 210 Vine, Phila., Pa.**
**Tuck Mfg. Co., Brockton, Mass.**
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## Knives (Paring)

**See Knives, Kitchen, Paring, etc.**

## 7017a— *Knives (Planer)

**HUTHER BROS. SAW MFG. CO.,** Rochester, N. Y. *See adv index at end of book*

## 7018—Knives (Planing Machine)

**Aero Wks., Inc., 89 Warren, New York.**
**American Knife Co., Baldwinsville, N. Y.**
**Anderson Knife & Bar Co., Anderson, Ind.**
**Atkins E. C. & Co., Indianapolis, Ind.**
**Chattanooga Saw Works, Chattanooga, Tenn.**
**Chicago Knife Works, 228 S Clinton, Chicago, Ill.**
**Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.**
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
**Decker E. F. Saw Wks, Albany, N. Y.**
**Detroit Edge Tool Works, 740 E Woodbridge, Detroit, Mich.**
**Dilts Machine Works (Inc.), Fulton, N. Y.**
**Disston Henry & Sons (Inc.), Tacony, Phila., Pa.**
**Dowd R. J. Knife Works, Beloit, Wis.**
**Gage E. E. Mfg. Co., Gardner, Mass.**
**Hankey A. & Co. (Thin, High-Speed Steel), Rochdale, Mass.**
**Hardisty & Co., Garland, Linwood, Cincinnati, O.**
**Huther Bros. Saw Mfg. Co., Rochester, N. Y.** *See adv index at end of book*
**Lancaster Machine & Knife Works, Lancaster, N. Y.**
**Mack & Co. ("D. R. Barton"), Rochester, N. Y.**
**Ohio Knife Co., Cincinnati, O.**
**Simonds A. A. & Son Co., Dayton, O.**
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
**Taylor, Stiles & Co., Riegelsville, N. J.**
**White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.**
**Wolverine Saw Co., 66 E. Fort, Detroit, Mich.**
**Worden Tool Co., 1854 Scranton road, Cleveland, O.**

## 7019— *Knives (Plush)

**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7020— Knives (Pocket)

**Aerial Cutlery Mfg. Co., Marinette, Wis.**
**Bannister A. F. & Co., 56 Summer av, Newark, N. J.**
**Boker Cutlery & Hardware Co. Inc., 101 Duane, New York**
**Canton Cutlery Co. (Stag & All Handles), Canton, O.**
**Cattaraugus Cutlery Co., Little Valley, N. Y.**
**Challenge Cutlery Corp., Bridgeport, Conn.**
**Chatillon Jno. & Sons, 85 Cliff, New York.**
**Clark Bros. Cutlery Co., 926 B'way, Kansas City, Mo.**
**Clay Cutlery Co., Andover, N. Y.**
**Cronk & Currier Mfg. Co., 150 Lake, Elmira, N. Y.**
*See adv index at end of book*
**Divine Dwight & Son, Ellenville, N. Y.**
**Dolphin Cutlery Co., 3 W 29, New York**
**Dunn & Rodenberg (Gold Filled), Baker, Providence, R. I.**
**Empire Knife Co., Winsted, Conn.**
**Foster Bros. & Chattillon Co., Fulton, N. Y.**
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
**Graef & Schmidt ("Twin Brand" Imp.), 107 Chambers, New York**
**Holley Mfg. Co., Lakeville, Conn.**
**Klaas Max ("Crane Brand" Imported), 108 Fulton, New York**
**Koch F. A. & Co., 524 B'way, New York**
**Landers, Frary & Clark ("Universal"), New Britain, Conn.**
**Marble Arms & Mfg. Co., Gladstone, Mich.**
**Miller Bros. Cutlery Co., Meriden, Conn.**
**Napanoch Knife Co., Napanoch, N. Y.**
**N. J. Cutlery Co. ("American Ace"), 19th av & 16th, Newark, N. J.**
**N. Y. Knife Co., 225 5th av, New York**
**Northfield Knife Co., Northfield, Conn.**
**Novelty Cutlery Co., Canton, O.**
**Poughkeepsie Cutlery Wks., Inc., Poughkeepsie, N. Y.**
**Remington Arms Co., Inc., 233 Broadway, New York**
**Robeson Cutlery Co., Rochester, N. Y.**
**Russell John Cutlery Co., Turners Falls, Mass.**
**Schatt & Morgan Cutlery Co., Titusville, Pa.**
**Sehrade Cutlery Co., Walden, N. Y.**
**Silberstein A. L. ("Griffon" Imp.), 600 W. 157, New York**
**Simmons Hardware Co. ("Keen Kutter"), 9th & Spruce, St. Louis, Mo.**
**Sperry & Alexander Co., 79 Chambers, New York**
**Thomaston Knife Co. (Combination), Thomaston, Conn.**
**Ulery U. J. Co. (Napanoch), 258 Broadway, New York**
**Utica Cutlery Co., Utica, N. Y.**
**Valley Forge Cutlery Co., Newark, N. J.**
**Walden Knife Co., Walden, N. Y.**
**Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.**
**Wostenholm Geo. & Son ("I. X. L." Imp), 105 Chambers, New York**

## 7021— Knives (Pruning)

**Barr Bros. Co. (Also Shears), Oakland, Cal.**
**Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.**
**Glogau & Co., 466 Dickey bldg., Chicago, Ill.**
**Harrington Cutlery Co., Southbridge, Mass.**
**Henry John T. Mf.g Co., Hamden, Conn.**
**Holley Mfg. Co., Lakeville, Conn.**
**Osborne C. S. & Co., Box 183, Newark, N. J.**
*See adv index at end of book*
**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**
**Tuck Mfg. Co., Brockton, Mass.**

## 7022— Knives (Pug Mill)

**Alloy Steel Forging Co., Carnegie, Pa.**
**American Managanese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.**
**United Iron Works, Inc., Kansas City, Mo.**

## 7023— Knives (Putty)

**American Cutlery Co., 764 Mather, Chicago, Ill.**
**Bridgeport Hardware Mfg. Corp. ("Bridgeport"), Bridgeport, Conn.**
**Browne & Dowd Mfg. Co. ("B. & D. Co."), Meriden, Conn.**
**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**
**Fletcher, Terry Co., Forestville, Conn.**
**Glogau & Co., 466 Dickey bldg, Chicago, Ill.**
**Goodell Co., Antrim, N. H.**
**Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.**
**Knickerbocker Mfg. Co., Belleville, N. J.**
**Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.**
**Landers, Frary & Clark ("Universal"), New Britain, Conn.**
**Meriden Cutlery Co., Meriden, Conn.**
**Northampton Cutlery Co., Northampton, Mass.**
**Ontario Knife Co., Franklinville, N. Y.**
**Parkhurst L. D., Danielson, Conn.**
**Richard Stephen Co. ("S. R."), Southbridge, Mass.**
**Ridgely, Trimmer Co., Springfield, O.**
**Russell John Cutlery Co., Turners Falls, Mass.**
**White Ira F. & Son Co., Bloomfield, N. J.**
**Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.**

## 7024— Knives (Rag Cutter)

American Knife Co., Baldwinsville, N. Y.
Anderson Knife & Bar Co., Anderson, Ind.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Dilts Machine Works (Inc.), Fulton, N. Y.
Dowd R. J. Knife Works, Beloit, Wis.
Dunn Edge Tool Co. ("Clipper"), Oakland, Me.
Hankey A. & Co., Rochdale, Mass.
Holyoke Bar Co., Holyoke, Mass.
Ohio Knife Co. (The), Cincinnati, O.
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Taylor, Stiles & Co., Riegelsville, N. J.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.

## 7025— *Knives (Rand)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7026-7— Knives (Rattan)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Taylor, Stiles & Co., Riegelsville, N. J.

## 7028— Knives (Roll Scraper)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Detroit Edge Tool Works, 740 E. Woodbridge, Detroit, Mich.
Simonds A. A. & Son Co., Dayton, O.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

## Knives (Root)

**See Knives, Hedge & Root**

## 7029— Knives (Rotary)

Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

## 7030— Knives (Rubber)

American Cutlery Co., 764 Mather, Chicago, Ill.
Disston Hy. & Sons, Tacony, Phila., Pa.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Hyde Mfg. Co., Southbridge, Mass.
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.
Parkhurst L. D., Danielson, Conn.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Simonds A. A. & Son Co., Dayton, O.
Tuck Mfg. Co. (For Heavy Electrical Rubber Goods), Brockton, Mass.

## 7031— Knives (Salmon)

Barr Bros. Co. (Hand Made), Oakland, Cal.

## 7032— Knives (Sardine)

International Silver Co., Meriden, Conn.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*

## 7033— Knives (Scallop)

Graef & Schmidt (Imported), 107 Chambers, New York
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

## 7034— Knives (Scarfer)

**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7035— Knives (Scraper)

Aero Wks., Inc., 89 Warren, New York.
American Cutlery Co., 764 Mather, Chicago, Ill.
American Knife Co., Baldwinsville, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Knickerbocker Mfg. Co., Belleville, N. J.
Landers, Frary & Clark, New Britain, Conn.
Northampton Cutlery Co., Northampton, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*

## 7036—Knives (Shear Cutter)

American Knife Co., Baldwinsville, N. Y.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Hankey A. & Co., Rochdale, Mass.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Tinker F & Sons Co., 5687 Butler, Pittsburgh, Pa.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 7037— Knives (Shingle)

Atkins E. C. & Co., Indianapolis, Ind.
Barnett Oscar Foundry Co., Irvington, N. J
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
**Dilts Machine Works (Inc.), Fulton, N. Y.**
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Simonds A. A. & Son Co., Dayton, O.
Taylor, Stiles & Co., Riegelsville, N. J.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 7038— Knives (Shoe)

American Cutlery Co., 764 Mather, Chicago, Ill.
Bailey G. W. Co. (Amazeen), Brockton, Mass.
Boker Cutlery & Hardware Co. ("Peppercorn"), 101 Duane, New York
Brooks John Co. (Amazeen), Brockton, Mass.
Christensen H. M. Co., Brockton, Mass.
Emrich Phil., 824 Main, Cincinnati, O.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Harrington Cutlery Co. ("Dexter"), Southbridge, Mass.
Hyde Mfg. Co., Southbridge, Mass
Landers, Frary & Clark, New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Meriden Cutlery Co., Meriden, Conn.
Murphy's R. Sons Co. ("R. Murphy's"), Ayer, Mass.
Ontario Knife Co., Franklinville, N. Y.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Snell & Atherton, Brockton, Mass.
Standard Shoe Machinery Co., Lawrence, Mass.
Tuck Mfg. Co. ("S. V. Tuck," "T. M. Co." "Black Diamond"), Brockton, Mass.
United Shoe Machinery Co., 205 Lincoln, Boston, Mass.
White Ira F. & Son Co., Bloomfield, N. J.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 7039— Knives (Shredder)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Henry & Allen, Auburn, N. Y.
Mitts & Merrill, Saginaw, Mich.

## 7040— Knives (Skiver)

Brooks John Co., Brockton, Mass.
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Perkins Chas. P., Brockton, Mass

## 7041—*Knives (Slaw & Vegetable)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7041a—Knives (Sloyd & Carvers)

Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Wostenholm Geo. & Son ("I. X. L."), 105 Chambers, New York

## 7042—Knives (Solid Steel Shear)

**CLEVELAND KNIFE & FORGE CO.**, 1960 W 114th, Cleveland, O.
*See adv index at end of book*
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Simonds A. A. & Son Co., Dayton, O.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

## 7042a—*Knives (Special for Cutter Heads

Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 7043— *Knives (Spiral, Of All Classes)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7044—*Knives (Spiral Tenon)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Simonds A. A. & Son Co., Dayton, Ohio

## 7045— *Knives (Splitter)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
Simonds A. A. & Son Co., Dayton, Ohio

## 7046— Knives (Spoke Lathe)

Atkins E. C. & Co., Indianapolis, Ind.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*
**Dilts Machine Works (Inc.), Fulton, N. Y.**
Disston Henry & Sons, Tacony, Phila., Pa.
Dowd R. J. Knife Works, Beloit, Wis.
Hankey A. & Co., Rochdale, Mass.
Simonds A. A. & Son Co., Dayton, O.

## Knives (Sportsmen's)

See Knives & Dirks, Hunting

## 7047— Knives (Stave Cutter)

American Knife Co., Baldwinsville, N. Y.
Anderson Knife & Bar Co., Anderson, Ind.
Atkins E. C. & Co., Indianapolis, Ind.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
**Dilts Machine Works (Inc.), Fulton, N. Y.**
Disston Henry & Sons, Tacony, Phila., Pa.
Dowd R. J. Knife Works, Beloit, Wis.
Simonds A. A. & Son Co., Dayton, O.
Worden Tool Co., 1854 Scranton rd, Cleveland, O.

## 7048— *Knives (Stereotype)

**COES LORING & CO. (INC.)**, Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7049— Knives (Stop Cutter)

Aero Wks. Inc., 89 Warren, New York
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
**Dilts Machine Works (Inc.), Fulton, N. Y.**
Dowd R. J. Knife Works, Beloit, Wis.
Taylor, Stiles & Co., Rieglesville, N. J.

## Knives (Straw Cutter)
See Knives, Hay & Corn Cutter

## 7050-1— Knives (Striking)
Atkins E. C. & Co., Indianapolis, Ind.

## Knives (Table, Silver Plated)
See Silverware, Table

## 7052—*Knives (Tack Machine)
**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*

## 7053—Knives (Tanners' Skiving)
**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*
**Foster Bros & Chatillon Co., Fulton, N. Y.**
Richard Stephen Co. ("S. R."), Southbridge, Mass.

## 7054—*Knives (Textile Shear)
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Simonds A. A. & Son Co., Dayton, Ohio

## 7055— Knives (Tobacco)
Aero Wks. Inc., 89 Warren, New York
**American Cutlery Co., 764 Mather, Chicago, Ill.**
**American Knife Co., Baldwinsville, N. Y.**
**Anderson Knife & Bar Co., Anderson, Ind.**
Atkins E. C. & Co., Indianapolis, Ind.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
Clyde Cuttlery Co. (Beech Handle), Clyde, Ohio
**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*
Detroit Edge Tool Works, 740 E Woodbridge, Detroit, Mich.
**Dowd R. J. Knife Works, Beloit, Wis.**
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
**Hankey A. & Co., Rochdale, Mass.**
**Lancaster Mach. & Knife Works, Lancaster, N. Y.**
**Landers, Frary & Clark (Hand), New Britain, Conn.**
**NICHOLS BROS.** ("Nichols Bros.") Greenfield, Mass.
**Northampton Cutlery Co. (Hand), Northampton, Mass.**
Oldham New York Saw Works Inc., 112 26th, Brooklyn, N. Y.
**Russell Jno. B. Knife Works ("Diamond Eagle"), Napanoch, N. Y.**
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Tuck Mfg. Co. (Hand), Brockton, Mass.
**White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.**

## 7056— Knives (Veneer)
Aero Wks. Inc., 89 Warren, New York
**Anderson Knife & Bar Co., Anderson, Ind.**
**Atkins E. C. & Co., Indianapolis, Ind.**
**Bailey & Blendinger Mfg. Co., Woburn, Mass.**
**CLEVELAND KNIFE & FORGE CO.,** 1960 W 114th, Cleveland, Ohio
*See adv index at end of book*
**Cocker Saw Mfg. Co., Lockport, N. Y.**
Decker E. F. Saw Works, Albany, N. Y.
Detroit Edge Tool Works, 740 E Woodbridge, Detroit, Mich.
**Dilts Machine Works (Inc.), Fulton, N. Y.**
**Dowd R. J. Knife Works, Beloit, Wis.**
**Glogau & Co., 466 Dickey bldg, Chicago, Ill.**
**Hankey A. & Co., Rochdale, Mass.**
Huther Bros. Saw Mfg. Co., Rochester, N. Y
*See adv index at end of book*
Lancaster Mach. & Knife Works, Lancaster, N. Y.
Loyd John Co., 124 Baxter, New York
**Ohio Knife Co., Cincinnati, Ohio.**
Oldham New York Saw Works Inc., 114 26th, Brooklyn, N. Y.
**Simonds A. A. & Son Co., Dayton, O.**
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
**Taylor, Stiles & Co., Riegelsville, N. J.**
**White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.**
**Worden Tool Co., 1854 Scranton rd, Cleveland, O.**

## 7057— Knives (Weeding)
Glogau & Co., 466 Dickey bldg, Chicago, Ill.

## 7058—Knives (Wood Barking Machine)
**Atkins E. C. & Co., Indianapolis, Ind.**
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
Cocker Saw Mfg. Co., Lockport, N. Y.
**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*
**Dilts Machine Works, (Inc.) Fulton, N. Y.**
Dowd R. J. Knife Works, Beloit, Wis.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Mitts & Merrill, Saginaw, Mich.
Simonds Mfg. Co., Fitchburg, Mass.
*See adv index at end of book*
**Simonds A. A. & Son Co., Dayton, O.**
**White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.**

## Knives (Wood Flooring Machine)
See Knives, Wood Working Machine

## 7059— Knives (Wood Pulp)
Aero Wks. Inc., 89 Warren, New York
**Atkins E. C. & Co., Indianapolis, Ind.**
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
**COES LORING & CO. (INC.),** Coes sq, Worcester, Mass.
*See adv index at end of book*
**Dilts Machine Works, (Inc.) Fulton, N. Y.**
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
**Ohio Knife Co., Cincinnati, O.**
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*

## Knives (Wood Surfacing Machine)
See Knives, Wood Working Machine

## Knives (Wood Tenoning Machine)
See Knives, Wood Working Machine

## 7060—Knives (Wood Working Machine)
Aero Wks. Inc., 89 Warren, New York
**American Knife Co., Baldwinsville, N. Y.**
**Atkins E. C. & Co., Indianapolis, Ind.**
**Chicago Knife Works, 228 S Clinton, Chicago, Ill.**
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, O.
Cocker Saw Mfg. Co., Lockport, N. Y.
**COES LORING & CO. (INC.)** ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Decker F. W. Saw Works, Albany, N. Y.
Detroit Edge Tool Works, 740 E Woodbridge, Detroit, Mich.
**Dilts Machine Works, (Inc.) Fulton, N. Y.**
Dowd R. J. Knife Works, Beloit, Wis.
**Foster Bros. & Chatillon Co., Fulton, N. Y.**
Foucart, J. E., Williamsport, Pa.
Gage E. E. Mfg. Co., Gardner, Mass.
Glogau & Co., Dickey bldg, Chicago, Ill.
**Hankey A. & Co., Rochdale, Mass.**
**Henrikson Bernard T. & Co., 664 W Austin, Chicago, Ill.**
**Horne J. H. & Sons Co., Lawrence, Mass.**
Huther Bros. Saw Mfg. Co. (Surfacing), Rochester, N. Y.
**Mack & Co. ("D. R. Barton"), Rochester, New York**
**Ohio Knife Co., Cincinnati, Ohio.**
Redin, Ekstrom & Co., Rockford, Ill.
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Taylor, Stiles & Co., Riegelsville, N. J.
**White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.**
Worden Tool Co., 1854 Scranton rd, Cleveland, O.

## 7060a— *Knives (Wooden)
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 7061—Knives & Cutters (Serrated)
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 7062—Knives & Dirks (Hunting)
American Cutlery Co., 764 Mather, Chicago, Ill.
Cattaraugus Cutlery Co. ("King of the Woods"), Little Valley, N. Y.
Collins Co. (Bower), Collinsville, Conn.
Clyde Cutlery Co. Clyde, Ohio
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Goodell Co., Antrim, N. H.
Graef & Schmidt ("Twin Brand"), 107 Chambers, New York
Lamson & Goodnow Mfg. Co., Shelburne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Lothrop H. A. & Co. ("J. Ames," "J. Sanger"), Sharon, Mass.
Marble Arms & Mfg. Co. ("Sportsman's Camp, "Sportsman's Fish" and "Expert" and "Ideal" Hunting), Gladstone, Mich.
Meriden Cutlery Co., Meriden, Conn.
Miller Bros. Cutlery Co., Meriden, Conn.
**NICHOLS BROS.** ("Nichols Bros. Knives"),
Glogau & Co. (Forks), 466 Dickey bldg, Chicago, Ill.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
Russell John Cutlery Co., Turners Falls, Mass.
Schatt & Morgan Cutlery Co., Titusville, Pa.

## 7063—Knives & Forks (Aluminum)
Glogau & Co. (Forks), 466 Dickey bldg, cago, Ill.
Republic Metalware Co., Buffalo, N. Y.
**Standard Aluminum Co., Two Rivers, Wis.**

## 7064—Knives & Forks (Tinned)
**Benedict Mfg. Co., East Syracuse, N. Y.**

## 7064a— Knobs (Adding Machine)
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*

## 7064b— Knobs (Base)
See also Door Bumpers; also Door Stops
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7064c— Knobs (Bird Cage)
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7065— Knobs (Carpet)
Wilcox, Crittenden & Co., Inc. (Brass Heads, Wrought Nails; also Grommets), Middletown, Conn.
*See adv index at end of book*

## 7066— Knobs (Carriage)
Brewer-Titchener Corp., The, Binghamton, N. Y.
**Cowles C. & Co., New Haven, Conn.**
Crandal-Stone Dix (The Brewer-Titchener Corp., Binghamton, N. Y.
Douglas & Lomason Co., 642 Lincoln, Detroit, Mich.
**Monarch Carriage Goods Co., Cincinnati, Ohio**
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
**Woodruff W. W. & Sons Co., Mt. Carmel, Conn.**

## 7066a— Knobs (Closet)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7066b— Knobs (Cover)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7066c— Knobs (Door)

See also Door Knobs, Various Kinds; **also Classifications Following.**

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7067—Knobs (Drawer & Shutter)

**Berbecker & Rowland Mfg. Co., Waterville, Conn.**
Brainerd Mfg. Co. (also Cupboard), East Rochester, N. Y.
**Corbin P. & F. New Britain, Conn.**
Dent Hardware Co., Fullerton, Pa.
**ESTES E. B. & SONS**, 364 5th av, New York. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**GRAND RAPIDS BRASS CO.** (Drawer Only), Grand Rapids, Mich.
*See adv index at end of book*
**Ives H. B. Co., New Haven, Conn.**
**Payson Mfg. Co. (Drawer), 2918 W Jackson blvd, Chicago, Ill.**
**Penn Hardware Co., Reading, Pa.**
**Reading Hardware Co., Reading, Pa.**
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
**Taylor & Boggis Foundry Co., Cleveland, O.**

## 7067a— Knobs (Enameled)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7067b— Knobs (Furniture)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7068—Knobs (Glass, Door, Drawer, Etc.)

**Berbecker & Rowland Mfg. Co., Waterville, Conn.**
**Brainerd Mfg. Co., East Rochester, N. Y.**
**Chantrell Hardware & Tool Co., Reading, Pa.**
**Corbin P. & F., New Britain, Conn.**
Duer John & Sons, 36 So Charles, Baltimore, Md.
Graham & Berwin, 107 Lafayette, New York
Hall Wm. Co., Wollaston, Mass.
New York Glass Knob Wks (Doors only), 79 E. 130th, New York
**Penn Hardware Co., Reading, Pa.**
Sargent & Co., New Haven, Conn.
Weber-Knapp Co. (For Furniture and Phonographs), Jamestown, N. Y.

## 7069— Knobs (Grommet)

**Berbecker & Rowland Mfg. Co., Waterville, Conn.**

## 7069a— Knobs (Kettle)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7070— Knobs (Organ Stop)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
**ESTES E. B. & SONS**, 364 5th av, New York *See adv index at end of book*
Gibbs W. F. Mfg. Co., New Haven, Conn.
Stevenson Mfg. Co. (Also Register), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7071— Knobs (Plane)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7072—Knobs (Pot Cover Repair)

**Cassady Fairbank Mfg. Co. (Wood Handle, Enameled Black), 6126 S La Salle, Chicago, Ill.**
**Ellis Mfg. Co., Milldale, Conn.**
**ESTES E. B. & SONS** ("Handy"), 364 5th av, New York
*See adv index at end of book*
**Graham & Berwin ("Indian Head", "Grawin," "Ideal," "Yankee"), 107 Lafayette, New York**
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 7073— Knobs (Push Button)

Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*

## 7074— Knobs (Screen)

**Berbecker & Rowland Mfg. Co., Waterville, Conn.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 7075— Knobs (Stove Door)

**Fanner Mfg. Co. (Spun Steel), Cleveland, Ohio**
Lynd L. E. Mfg. Co. ("Zero"), Mechanicsville, N. Y.
**New York Nickel Plating & Mfg. Co., 327 E 63d, New York**
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stover Mfg. & Engine Co. ("Ideal," Nickel Plated wire, etc), Freeport, Ill.
**Troy Nickel Works, Albany, New York**
**Wehrle Co., Newark, Ohio**

## 7076—Knobs (Wooden, Door, Drawer, Etc.)

**Allen Chas. I (Furniture), Pequabuck, Conn.**
Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper, Inc. (Base, Bird Cage, Closet Door, Drawer, Cover, etc), 57 Barclay, New York
*See adv index at end of book*
**Chantrell Hardware & Tool Co., Reading, Pa.**
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

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**364 5th Ave. New York City**

Frary Mfg. Co., Charlemont, Mass.

## 7076a—Knobs (Wooden Drawer)

**Estes E. B. & Sons, (Chest, Enameled, Desk, Adding Machines, Bird Cage,** Closet, Furniture, Kettle, Plane, Door), 364 5th av, New York
*See adv index at end of book*
**Mossman Jerome Estate (Organ, Rattan Chair, Go-Carts, etc.), Fitchburg, Mass.**
**National Lock Co. (For Furniture, etc.) Rockford, Ill.**
**Novelty Turning Co., Norway, Me.**
**Piqua Handle & Mfg. Co. (Also "Bardsley" Lines), P. O. Box 307, Piqua, O.**
**Rowe Henry Mfg. Co., Newaygo, Mich.**
**Stiles H. A. & Co., 93-97 Oliver, Boston, Mass.**
*See adv index at end of book*
Stevenson Mfgf. Co. (Furniture, etc., Wholesale Mfrs.), South Bend, Ind.
*See adv index at end of book*
**Stratton Mfg. Co., Stratton, Me.**
**Strock L. W. & Co., Bethlehem, Pa.**
Weber-Knapp Co. (For Furniture & Phonographs), Jamestown, N. Y.

## 7077— Knockers (Door)

Champion Hardware Co., Geneva, O.
**Corbin P. & F., New Britain, Conn.**
Hall Wm. Co., Wollaston, Mass.
Highton Wm. & Sons Co., Nashua, N. H.
Hubley Mfg. Co. (Fancy), Lancaster, Pa.
Janusch Mfg. Co., 496 E 13th, New York
Pacific Hardware Mfg. Co., Los Angeles, Cal.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Rostand Mfg. Co. ("Rostand," also miniature for Guest Room), Milford, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
**Taylor & Boggis Foundry Co., Cleveland, Ohio.**

## 7078— Knuckles (Steel)

American Steel Foundries (Open Hearth), McCormick bldg, Chicago, Ill.
**Buckeye Steel Castings Co., (Cast Steel) Columbus, O.**
Chester Steel Casting Co., Chester, Pa.
Gould Coupler Co., 30 E 42nd, New York
National Car Coupler Co. ("Hinson Emergency"), 332 S Michigan av Chicago, Ill.
**National Steel Casting Co., Montpelier, Ind.**

## 7079— Knuckles (Steering)

Bonney Vise & Tool Wks., Inc. (Automobile), Allentown, Pa.
*See adv index at end of book*
Irvington Mfg. Co. (Drop Forged), Irvington, N. J.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Williams J. H. & Co., (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 7080— Knurl Sets

**Braunsdorf-Mueller Co., Elizabeth, N. J.**

## 7081— Knurls

Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Screw Co. (Wrench), Twightwee, Cincinnati, O.
**Welch T. F. Co., 55 Sudbury, Boston, Mass.**
Williams J. H. & Co. ("Agrippa"), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 7082— Kominuters

**Smidth F. L. & Co., 50 Church, New York**

## 7083— Krushite

**Frenier & Son (For Sawing Stone), Rutland, Vt.**

## 7084— Kryolith

Chrystal Charles B. (Imp), 13 Cliff, New York. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

Penna. Salt Mfg. Co. (Sole Importers of Greenland), Widener bldg, Philadelphia, Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Sundheimer Henry (Artificial), 103 Park av, New York
Vitro Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Wiarda John C. & Co. (Jobbers), 273 Green, Brooklyn, N. Y.

## 7085— Label Mfrs.

**American Label Co., 216 W 18th, New York**
**American Label Mfg. Co., Cross & Covington, Baltimore, Md.**
**Arnold's J. H, Son (Embossed Metal), 47 Fulton, New York**
**Braithwaite C. W. Co. (Paint Mfrs., etc.), 300 S Racine av, Chicago, Ill.**
**Carrington Geo. S. Co., 2340 W Van Buren, Chicago, Ill.**
**Chicago Label & Box Co., 312 N May, Chicago, Ill.**
**Chicago Tape & Label Co. (Linen), 521 N Spaulding av, Chicago, Ill.**
Colorprint Label Co., 125 S 8th, St. Louis, Mo.
**Dennison Mfg. Co., 26 Franklin, Boston, Mass.**
Dickey-Grabler Works (Metal for all Purposes), W Madison & 103d, Cleveland, Ohio
Dunston of Dunkirk, Inc., Dunkirk, N. Y.
Eagle Lithographing Co. (Small Colored), 1672 Providence, Cinn., O.
Freeman Leon ("Freeman"), For Wearing Apparel, 404 S Wells, Chicago, Ill.
Friesleben & Armstrong, Inc. (Lithographed Paper), 124 White, New York
Gail Robt. Co., 50 Washington, Brooklyn, N. Y.
**Gugler Lithographic Co. (Lithographed, etc.), 696 Broadway, Milwaukee, Wis.**
Illinois Glass Co. ("Diamond I"), 402 W Randolph, Chicago, Ill.
Jarden Lithographing Co. (Lithographed Stock Labels), 310 N 11th, Phila., Pa.
Kirk-Cogeshall Co., 1740 Huron, Milwaukee, Wis.
**Kittredge R. J. & Co., 812 W Superior, Chicago, Ill.**
Milwaukee Gummed Label & Seal Co., Milwaukee, Wis.
**Mott Wallace A. (Plain & Printed), Norwalk, Conn.**
**Oval & Koster (Lithographed, etc), Indianapolis, Ind.**
Perfection Mfg. Co. (Florist's), Penobscot bldg, Detroit, Mich.
**RANDOLPH BOX & LABEL CO.,** 834 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Ryan J. D. Co. (Lithographed), 735 Central av, Cleveland, O.**
Sackett & Wilhelms Corp., Grand & Morgan av., B'klyn, N. Y.
**St. Louis Label Works (Druggists), 925 N 11th, St. Louis, Mo.**
St. Lopis Sticker Co., 1627 Washington av, St. Louis, Mo.
**Scharf Tag & Label Co. (Gum), Ypsilanti, Mich.**
**Simpson & Doeller Co., 2800 Preston, Baltimore, Md.**
**U. S. Printing & Lithograph Co., Robertson av & Beech Norwood, Cincinnati, O.**
Waldorf Paper Products Co. (Canners, etc.), St. Paul, Minn.
Woodbury Label Co. (Druggists'), Woodstock, Vt.
**Woodward-Tiernan Printing Co., 309 N 3d, St. Louis, Mo.**

## 7086— Labels (Canners')

**American Label Co., 216 W 18th, New York**
**American Label Mfg. Co., Cross & Covington, Baltimore, Md.**
**Dunston of Dunkirk, Inc., Dunkirk, N. Y.**
Gair Robt. Co., 50 Washington, Brooklyn, N. Y.
**Kittredge R. J. & Co., 812 W Superior, Chicago, Ill.**
**Oval & Koster, Indianapolis, Ind.**
Redlich Mfg. Co., 637 to 647 W Oak st, Chicago, Ill. *See adv index at end of book*
**Simpson & Doeller Co., 2800 Preston, Baltimore, Md.**
U. S. Printing & Lithograph Co., Robertson av & Beech Norwood, Cincinnati, O.
Waldorf Paper Products Co., St. Paul, Minn.
**Woodward-Tiernan Printing Co., 309 N 3d, St. Louis, Mo.**

## 7087—Labels (Florists & Nurserymen's)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*

## 7088— Labels (Gummed)

Anderson W. J. & Co., 341 B'way, New York
Eastern Pin Ticket & Tag Co. (On the Roll), Perkasie, Pa.
Eisler Anthony & Co., 227 Canal, New York
Eureka Spec. Printing Co., Scranton, Pa.
**Fenton Label Co., 9th & Thompson, Philadelphia, Pa.**
Grand Rapids Label Co. ("Sictite" Advertising Stickers), Grand Rapids, Mich.
Keller Printing Co., 295 Lafayette, New York
**Manhattan Roll Label Co. (In Rolls), 31 Beekman, New York**
McCourt Label Cabinet Co., Bradford, Pa.
Milwaukee Label & Seal Co. ("Julian"), 161 Michigan, Milwaukee, Wis.
National Binding Machine Co., 260 West, New York
Salisbury Mfg. Co., 14 Leather av, Providence, R. I.
Standard Publishing Co., Vineland, N. J.
St. Louis Sticker Co. (Advertising, Shipping & Price Stickers), 1027 Washington av, St. Louis, Mo.
Tablet & Ticket Co., 624 W Adams, Chicago, Ill.
**Thomas Stationery Mfg. Co., Springfield, O.**

## 7088a—*Labels (Plant & Tree, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 7089— Labels (Underwear)

Clark R. S. & Son, Cohoes, N. Y.
Freeman Leon, 404 S Wells, Chicago, Ill.
Woodward-Tierman Printing Co., 309 N Third, St. Louis, Mo.

## 7090— Labels (Wood)

Kirschbraun Lester (Pavement Materials), 160 N. Wells, Chicago, Ill.

## 7091— Labels (Woven)

Alkahn Silk Label Co., 116 W 32d, New York
American Silk Label Mfg. Co. (Silk), 116 W 32d, New York
Artistic Weaving Co. (Cotton & Silk), 146 W 36th, New York
**Buffalo Woven Label Works (Silk & Cotton), 565 Washington, Buffalo, N. Y.**
**Cash J. & J. Ltd. (Silk & Cotton), South Norwalk, Conn.**
**Empire State Silk Label Co. (Silk & Cotton), 218 Tyler, West New Brighton, N. Y.**
Freeman Leon (Cotton), 404 S Wells, Chicago, Ill.
German Artistic Weaving Co. (Silk), 141 W. 36th, New York
Hamilton Web Co. (Jacquard Name Straps for Boots & Shoes), Hamilton, R. I.
Hercules Mfg. Co. (Silk), Midvale, N. J.
Kluge E. H. Weaving Co. (Cotton & Silk), 33 W 34th, New York
Loth Joseph & Co. (Silk), Norwalk, Conn.
N. Y. Woven Label Mfg. Co. (Silk), 45 W 34th, New York
**Reis G. & Bro. (Cotton & Silk), 900 B'way, New York**
**Star Ribbon Mfg. Co. (Silk), 456 4th av, New York**
U. S. Woven Label Co. (Cotton), 45 W 34th, New York
Universal Label Weaving Co. (Silk), Paterson, N. J.
Warner Mfg. Co. (Silk), Paterson, N. J.

## 7092—Laboratories (Chemical & Physical)

See also Laboratories, Testing

Crowell & Murray, Perry-Payne bldg, Cleveland, O.
**HUNT ROBT. W. & CO.,** 175 W. Jackson blvd., Chicago, Ill.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 7093—Laboratories (Testing)

**Advance Felt & Cutting Co. (Physical Properties of Any Material), 380 S Jefferson, Chicago, Ill.**
Allentown Testing Laboratory (Cement, etc), Allentown, Pa.
American Bureau of Inspections & Tests, Monadnock blk, Chicago, Ill.
**Armour Institute of Technology, 3300 Federal, Chicago, Ill.**
Begardus C. E., Seattle, Wash.
Bennetts Chemical Laboratory (Copper), Tacoma, Wash.
**Booth, Garrett & Blair (Cement Plants a Specialty), 404 Locust, Phila., Pa.**
California Ore Testing Co., 630 Sacramento, San Francisco, Cal.
**Cornell University, Ithaca, N. Y.**
Detroit Testing Laboratory (Iron, Steel, **etc.) 674 Woodward, Detroit, Mich.**
Eastern Testing Laboratories (Specialty Cement), Allentown, Pa.
Electrical Testing Co., Peoria, Ill.
Electrical Testing Laboratories (General Testing & Inspecting), 80th & East End av, New York
Falkenburg & Co., 116 Yesler way, Seattle, Wash.
**Fitzgerald Laboratories (Electric Furnace Practice), Niagara Falls, N. Y.**
Gascoyne & Co., 27 S Gay, Baltimore, Md.
Gulick-Henderson Co. (Physical & Chemical), 525 3rd av, Pittsburgh; 21 Park Row, New York, & Chicago
Harris Laboratory, Inc. (Rubber), 26 Cortlandt, New York
**Hildreth & Co., 15 Broad, New York**
Howard J. W. (Pavements), 1 Broadway, New York
**HUNT ROBERT W. & CO.,** 175 W Jackson blvd, Chicago, Ill.
Industrial Furnace Corp., (Physical & Chemical), 60 Post Office sq, Boston, Mass.
Kansas City Testing Laboratory, Kansas City, Mo.
Laucks, I. F., Inc., 99 Marion, Seattle, Wash.
Lathbury B. B. (Cement), **Franklin Bank bldg, Philadelphia, Pa.**
Lehigh Valley Testing Laboratory (Cement), Allentown, Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Modjeski & Angier, New Era & Orchestra bldg, Chicago, Ill.
National Elec'l Laboratories, 107 Front, New York
Newlands Sanitary Laboratory, 111 Laurel, Hartford, Conn.
Pacific Coast Testing Laboratory, Seattle, Wash.
Penniman & Browne, 215 E Fayette, Baltimore, Md.
Pittsburgh Testing Laboratory, 612 Grant, Pittsburgh, Pa.
St. Louis Sampling & Testing Works (Ores, Fuels, etc), 713 Clark av, St. Louis, Mo.
Smith, Emery & Co., 651 Howard, San Francisco, Cal.
Souther Henry Engng. Corp., 111 Laurel, Hartford, Conn.
Spackman Henry S. Engineering Co. (Cement, etc), 2024 Arch, Phila., Pa.
Stupakaff Laboratories, 6639 Hamilton av, Pittsburgh, Pa.
Underwriters' Laboratories, 207 E Ohio, Chicago, Ill.
Wiedemann H. E., Chemical bldg, St. Louis, Mo.
Wire Inspection Bureau, 13 Park Row, New York

## 7094—Laboratory Apparatus & Supplies

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.

LABORATORY APPARATUS & SUPPLIES—continued

Alberene Stone Co. (Soapstone), 223 E 23d, New York
Anderson Electric Specialty Co., 154 Whitney, Chicago, Ill.
Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*

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Bausch & Lomb Optical Co. (& Glassware), Rochester, N. Y.
Braun Corporation, 363 New High, Los Angeles, Cal.
**BRAUN-KNECHT-HEIMANN CO.**, 576-584 Mission, San Francisco, Cal.
Buffalo Dental Mfg. Co., Buffalo, N. Y.
**Chicago Apparatus Co. (For Schools, etc)**, 32 S Clinton, Chicago, Ill.
Chicago Surgical & Elec. Co. (& Furniture), 324 W Superior, Chicago, Ill.
Columbia School Supply Co. (For Schools, etc.), Indianapolis, Ind.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Eimer & Amend, 205 3d av, New York
Elyria Enameled Products Co. (Glass Enameled), Elyria, O.
Euclid Stone & Brick Co. (Stone Table Taps), Cleveland, O.
Furman-Fisher Corp., 32 Corp, New York
*See adv index at end of book*
Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.
Gray Peter & Sons (Inc.) (Bacteriological), 286 Third, East Cambridge, Mass.
Greiner Emil Co., 55 Fulton, New York
Greiner Gottlieb (Glass), 81 John, New York
Heil Henry Chemical Co., St. Louis, Mo.
Holz & Co., Inc., 18 Madison av, New York
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Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Leeds & Northrup Co., 4901 Stenton av, Philadelphia, Pa.
Lenz Apparatus Co., 9 E 16th, New York
Norton Co. (Electric Furnace Parts, Refactory Wire), Worcester, Mass.
Ohio Pottery Co. ("Ohio" Laboratory Porcelain), Zanesville, O.
Rochester Laboratory Supply Co., 64 Gorham, Rochester, N. Y.
Sargent E H. & Co. (Especially for Sugar Factories), 155 E Superior, Chicago, Ill.
Schaar & Co., 1025 So State, Chicago, Ill.
Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.
Scientific Utilties Co., Inc., 18 E 16th New York
Standard Glass Specialty Co. (Glass), Morgantown, W. Va.
Standard Scientific Co., 2 W 13th, New York
Thermal Syndicate (Ltd.) ("Vitreosil" Pure Fused Silica, Combustion, Tubes, Crucibles, Evaporating, Dishes, Tubing, Capsules, Muffles, etc.), 50 E 41st, New York
Thomas Arthur H. Co., W Washington sq, Philadelphia, Pa.
*See adv index at end of book*
University Apparatus Co., Berkeley, Cal.

## 7095—Laboratory Wood Work

Federal Equipment Co., Carlisle, Pa.
Grand Rapids Hand Screw Co. (Special Work), Grand Rapids, Mich.
Kewaunee Mfg. Co., Kewaunee, Wis.
Leonard, Peterson & Co., 1234 Fullerton, Chicago, Ill.

## 7096— Lace (Coach)

Bridgeport Coach Lace Co., Bridgeport, Conn.
Horstmann Wm. H. Co., 5th & Cherry, Philadelphia, Pa.
Schlegel Mfg. Co., Rochester, N. Y.
Vogt Mfg. & Coach Lace Co., Rochester, N. Y.

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Colton Geo. S. Elastic Web Co. (Elastic), Easthampton, Mass.
Dawson Albert, Pawtucket, R. I.
Diamond Braiding Mills, Chicago Heights, Ill.
Hewitt White Co., Paterson, N. J.
Hoffman-Corr Mfg. Co., 312 Market Phila, Pa.
International Braid Co., 47 Charles, Providence, R. I.
Joslin Mfg. Co., 610 Manton av, Providence, R. I.
La Porte Braiding Mills Co., La Porte, Ind.
Mitchell Mfg. Co. (Silk, Mohair, Cotton & Mercerized), Portsmouth, O.
Narrow Fabric Co. (Nufashond," Cotton & Silk), Reading, Pa.

## 7098— Laces (Shoe)

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Atlantic Tubing Co., 1756 Cranston, Providence, R. I.
Colonial Braid Co., So Attleboro, Mass.
Diamond Braiding Mills, Chicago Heights, Ill.
Dudley D. T. & Co., Haverhill, Mass.
Elmwood Mills, Daboll, Providence, R. I.
Glencairn Mfg. Co. (Silk), Pawtucket, R. I.
Hewitt-White Co., Paterson, N. J.
International Braid Co., 47 Charles, Providence, R. I.
Joslin Mfg. Co., 610 Manton av, Providence, R. I.
Kenyon J. J. Mfg. Co., Pawtucket, R. I.
La Porte Braiding Mills Co, La Porte, Ind.
Mitchell Mfg. Co. (Silk, Mohair, Cotton & Mercerized), Portsmouth, O.
Narrow Fabric Co. ("Nufashond"), (Cotton & Silk), Reading, Pa.
Pawtucket Braided Line Co., Pawtucket, R. I.
Phenix Laces Mills, Phenix, R. I.
Rockland-Webbing Co., Rockland, Mass.
Small Bros., Fall River, Mass.
Standard Braid Co., Attleboro Falls, Mass.
Whitcher F. W. Co., 14 Albany, Boston, Mass.

## 7098a—*Lacing (Automobile Hood)

Empire Weaving & Belting Corp., East Rochester, N. Y.

## 7099— Lacquer Mfrs.

Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
American Chemical & Mfg. Co., 617 Monticello av, Norfolk, Va.
American Lacquer Co., Bridgeport, Conn.
Ault & Wiborg Co., Cincinnati, O.
Barrett M. L. & Co. ("Spirit"), 233 W Lake, Chicago, Ill.
California Paint Co., Oakland, Cal.
Celluloid Zapon Co. ("Zapon" Jet Black), 200 5th av, New York
*See adv index at end of book*
Chase Roberts & Co., West av, Long Island City, N. Y.
Chemical Products Co. ("Selestron" Non-Flame), 30 Charles River rd., Boston, Mass.

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Du Pont Chemical Works, Wilmington, Del.
Egyptian Lacquer Mfg. Co., 23 Liberty, New York
Ernecke & Salmstein Co., 944 W Worth av, Chicago, Ill.
Essex Varnish Co., 218 McWhorter, Newark, N. J.
Feigel M. & Bro. (Importers), 185 Wooster, New York
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
General Bakelite Co. ("Bakelite"), 2 Rector, New York
Glidden Co., Madison av & Berea rd., Cleveland, O.
Hommel O. Co., Hope & Maple, Pittsburgh, Pa.
Hilo Varnish Corp., Marcy & Flushing avs, Bklyn, N. Y.
**IMPERVIOUS VARNISH CO.**, 421 Wood, Pittsburgh, Pa.
Kalbfleisch Corp., 31 Union sq, New York
Lacquer-All Co., 126 Military, Detroit, Mich.
Lucas Jno. & Co., 322 Race, Phila., Pa.
Maas & Waldstein Co., 92 Willyiam, New York
Maier's John G. Sons ("Maier's Silver for Cans), 153 N Gay, Baltimore, Md.
Masury Jno. W. & Son (Colored), 50 Jay, Brooklyn, N. Y.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Kashington, Chicago, Ill.
*See adv index at end of book*
Nikolas G. J. & Co. ("Nikolas"), 1227 W Van Buren, Chicago, Ill.
Nubian Paint & Varnish Co. ("Ebonite"), 1856 Leclaire av, Chicago, Ill.
O'Brien Varnish Co. (Flat Black), South Bend, Ind.
Patton Paint Co., Milwaukee, Wis.
Schlegel Oscar Mfg. Co., 124 E 13th, New York
Standard Varnish Works, 90 West, New York
Toch Bros., 320 5th av, New York
Wright Chemical Co., 38 Park Row, New York

## 7100—Lacquering for the Trade

Arnold N. B. (Metal), Sigrny., B'klyn, N. Y.
Barlow Co., Holyoke, Mass.
Canister Co. of New Jersey (Tin Lacquering Only), Phillipsburg, N. J.
Excelsior Nickel Plating Works, 40 Clifford Providence, R. I
Franche C. E. & Co. (Metal), 440 Orleans, Chicago, Ill.
Grosback Wm. & Co., 37 Maspeth av, Brooklyn, N. Y.
Hanson & Van Winkle Co. (Metal), 269 Oliver, Newark, N. J.
Howard Jas. L. & Co. (Brass), Hartford, Conn.

Kalamazoo Plating Works, Kalamazoo, Mich
National Mfg. & Electro Plating Co., 16 Calender, Providence, R. I.
Oriental Varnish Wks. (Metal), 979 Franklin av, B'klyn, N. Y.
Roesch Bros. Plating Works, Belleville, Ill.

### 7101— Lacquers (Anti Rust)

Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.

### 7102—Lacquers (Armature)

Sterling Varnish Co., Fulton bldg., Pittsburgh, Pa.

### 7103— Lacquers (Canners')

California Paint Co., Okland, Cal.
**IMPERVIOUS VARNISH CO.**, 421 Wood, Pittsburgh, Pa.
Maier's John G. Sons, 153 N Gay, Baltimore, Md.

### 7104— Lacquers (Metal)

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Redmanol Chemical Products Co., 648 W 22d, Chicago, Ill.

### 7104a—Lacquers (Pyroxylin, Wood & Metal)

Alcohol Products Co., Blanchard, Newark, N. J.

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Hillier's R. Son Co. (Imp.), 100 William, New York

### 7107— Lactate of Tin

Avery Chemical Co., 88 Broad, Boston, Mass.

### 7108-9— Lactometers

Tagliahue Chas. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.

### 7110—Ladder Rounds (Miner's)

Ransome Concrete Machinery Co., Dunellen, N. J.
Sandusky Tool Co., Sandusky, O.

### 7111— Ladders

**Acme Mfg. Co., 1806 East, Pittsburgh, Pa.**
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**Ashboro Wheelborrow Co. ("Step"), Ashboro, N C.**
Austell Swing & Ladder Co., Austell, Ga.
Babcock W. W. Co., Bath, N. Y.
Bacon & Co. ("Niagara" Extension, Single & Step Ladders), Gasport, N. Y.
**Bent Rung Ladder & Mfg. Co. (Step, Extension, Sectional, etc), Indiana, Pa.**
Berg John Mfg. Co. (Step Extension), 5001 S. Wells, Chicago, Ill.
Berger, Leander D., 59 N 2d, Phila., Pa.
Bicycle Step Ladder Co. (Step, Model, Six Auto-Ladders), 6 W Randolph, Chicago, Ill.
Bishop Ladder Co., Hartford, Conn.
Brown Jno. K. & Co., 181 3d av, Brooklyn, N. Y.
Bushnell Tank Works (Plain Step & Extension), Bushnell, Ill.
Canton Ladder Co. (Extension), Canton, Ohio
Chesbro, Whitman Co., 1167 1st av, New York
**Clark J. R. & Co. (Step & Extension), 2nd av N & Aldrich Minneapolis, Minn.**
Coldwater Ladder Co., Coldwater, Mich.
**Columbus Brass Co (Plunge for Gymnasium), 538 Dublin av., Columbus, O.**
*See adv index at end of book*
Combination Ladder Co. (Extension), 366 Fountain, Providence, R. I.
Consolidated Pump Co., Toledo, O.
Corbett & Co., 429 E 109th, New York
**Crain Pump & Lumber Co., 623 Arch, Phila., Pa.**
**Cupples Sam'l Woodenware Co., 7th & Spruce, St. Louis, Mo.**
Curtis Bros. & Co., Clinton, Ia.
**Davenport Ladder Co. (Extension Step, Fruit Pickers Trestle Combination, Painters, Scaffold, etc), Davenport, Ia.**
Davis John B., Clinton, Me.
Dillingham Mfg. Co., Sheboygan, Wis.
Elliott E. A., Rumney, N. H.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
**Fellows & Co., 234 Friend, Boston, Mass.**
Fisk Mfg. Co., Churubusco, Ind.
Flint A. W. & Co., New Haven, Conn.
Fox Geo. S. (Step, Extension, Painters, etc), 137 N 6th, Phila., Pa.
Frizell Ladder Co. ("Dorchester" Extension & "Fairy," "Giant," "Climax" Step, etc), 135 Granite av, Boston, Mass.
Glidden W. L., 1035 Atlantic av, Brooklyn, N. Y.
Goshen Churn & Ladder Co. ("Famous"), Goshen, Ind.
Goshen Mfg. Co. (Step), Goshen, Ind.
Hale Geo. C., Kansas City, Mo.
Heider Mfg. Co. (Extension, Straight, etc), Carroll, Ia.
Holmquist & Co., 2814 W 26th, Chicago, Ill.
**Imperial Brass Mfg. Co. (Swimming Pool Solid Brass Tube), 524 S Racine av, Chicago, Ill.** *See adv index at end of book*
Krewson T. C., 801 Master, Phila., Pa.
Lansing Co., Lansing, Mich.
Los Angeles Ladder Co., Los Angeles, Cal.
Mallory C. M., Albion, N Y
Michigan Ladder Co., Ypsilanti, Mich.
Moulton C. W. H. Co. (Extension, Folding Self-Supporting, Section, Window Cleaning Step, Long Pole, etc), Somerville, Mass.
**New Britain Machine Co. ("New Britain" Metallic, permanent), 190 Chestnut, New Britain, Conn.**
Newton & Haggerty Ladder Co., Ann Arbor, Mich.
**New York Ladder Co., 384 Hudson, New York**
Palmer, Jarvis, Northville, Mich.
Paris Mfg. Co., So. Paris, Me.
Pease F. B. Co. (Extension, Step & Common Extension & Plain Trestles), Rochester, N. Y.
Peirce W. E. & Co., Milford, N. H.
**Portland Extn. Ladder & Pole Co. ("Flying Yankee" Extension, for Railroads, Electric & Telegraph Companies), 130 Orange, Newark, N. J.**
Potter Robert, Orwell, N. Y.
Powell Benj., Springfield, Mass.
Pratt Mfg. Co., Coldwater, Mich.
Reading Mfg. Co., Akron, Ohio
Reilley Bros. Ladder Co., 324 W 41st, New York
Rich Pump Co. (also Decorator's), South & Depot, Cincinnati, O.
Richter C. G. & Co., Spokane, Wash.
Safety Ladder Mfg. Co., Seattle, Wash.
Saginaw Ladder Co. (Ltd.), (Combined Step & Extension), Saginaw, Mich.
Schad Chas., 11 Jefferson, Brooklyn, N. Y.
Silo Specialty Mfg. Co. (Silo), Clinton, Iowa
Smith S. A. Mfg. Co. (Step), Brattleboro, Vt.
Specialty Mfg. Co., Titusville, Pa.
Stolz Jos. & Son, Inc., 841 E. 136th, New York
Superior Ladder Co. ("Monarch" Step, etc), Goshen, Ind.
Sweet Geo. W., Flint, Mich.
Tupper Jno. (All kinds), Lynn, Mass.
Udell Works (Step & Extension), Indianapolis, Ind.
Union Blind & Ladder Co. ("Star" Step, Orchard & Extension), Oakland, Cal.
Van Buskirk John W., Lawrence, Mass.
Wheeler Geo., Norwich, New York
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wilkinson Mfg. Co., Binghamton, N. Y.
Young Bros. Co. (Step & Common), Worcester, Mass.

### Ladders (Chair)

See Chairs, Combination, Step Ladder

### 7112— Ladders (Extension)

Bacon & Co. ("Niagara"), Gasport, N. Y.
**Bent Rung Ladder & Mfg. Co., Indiana, Pa.**
Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Berger Bros. Co., 229 Arch, Phila., Pa.
Canton Ladder Co., Canton, Ohio
**Clark J. R. Co., 2nd av N & Aldrich, Minneapolis, Minn.**
Combination Ladder Co., 366 Fountain, Providence, R. I.
Davenport Ladder Co., Davenport, Ia.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Fellows & Co., 234 Friend, Boston, Mass.
Fisher & Hays Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Flint A. W. & Co., New Haven, Conn.
Fox Geo. S., 137 N 6th, Phila., Pa.
Frizell Ladder Co. ("Dorchester"), 135 Granite av, Boston, Mass.
Goshen Churn & Ladder Co., Goshen, Ind.
Hays Geo W., 228 5th, Milwaukee, Wis.
Heider Mfg. Co., Carroll, Ia.
Krewson T. C., 801 Master, Phila, Pa.
Moulton C. W. H. Co., Somerville, Mass.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Pease F. B. Co., Rochester, New York
Portland Extn. Ladder & Pole Co., 130 Orange Newark, N. J.
Reilley Bros. Ladder Co., 324 W 41st, New York
Rich Pump Co. ("Ideal," "Sampson," "Reliable," "Safety," "Fruit Picker") South & Depot, Cincinnati, O.
Safety Ladder Mfg. Co., Seattle, Wash.
Saginaw Ladder Co., Ltd., Saginaw, Mich.
Smith S. A. Mfg. Co., Brattleboro, Vt.
Stokes Wm. A. & Co., 50 Howard, N. Y.
Superior Ladder Co., Goshen, Ind.
Udell Works, Indianapolis, Ind.
Union Blind & Ladder Co. ("Star"), Oakland, Cal.
Young Bros. Co., Worcester, Mass.

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Cupples Samuel Woodenware Co. ("Hercules" Sectional Ladder & Extension Tops), 7th & Spruce, St. Louis, Mo.
Davenport Ladder Co. (Also Extension, Windlass, Also Rope & Pulley Attachment, etc), Davenport, Ia.
Portland Extn. Ladder & Pole Co., 130 Orange, Newark, N. J.

### 7114— Ladders (Fire)

Boyd James & Bro., 25th & Wharton, Philadelphia, Pa.
Combination Ladder Co., 366 Fountain, Providence, R. I.
Davenport Ladder Co., Davenport, Ia.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Hale Geo. C., Kansas City, Mo.
Heath J. S. Co. (Brass) Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Moulton, C. W. H. Co., Somerville, Mass.
Pirsch Peter & Co., Kenosha, Wis.
Portland Extn. Ladder & Pole Co. ("J. A. Weston's" Safety Trussed), 130 Orange, Newark. N. J.
Robinson Fire Apparatus Co., 4268 N 20th, St. Louis, Mo.
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*
Seagrave Co., Columbus, Ohio
Woodhouse Mfg. Co., 64 W B'way, N. Y.
Young Bros. Co., Worcester, Mass.

### 7115—Ladders (Folding Roof)

Danzer Metal Works, Hagerstown, Md.

### 7116—Ladders (Freight Car)

Damascus Brake Beam Co. ("Brascott"), London rd & Nickel Plate, Cleveland, O.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co., 122 S. Michigan, Chicago, Ill.
Wine Railway Appliance Co., Toledo, Ohio

### 7117—Ladders (Fruit Pickers')

Babcock W. W. Co., Bath, N. Y.
Bushnell Tank Works, Bushnell, Ill.
Consolidated Pump Co., Toledo, O.
Davenport Ladder Co., Davenport, Ia.
Goshen Churn & Ladder Co, Goshen, Ind.
Hays Geo. W., 228 5th, Milwaukee, Wis.
Safety Ladder Mfg. Co., Seattle, Wash.
Success Seed Grader Co., Spokane, Wash.
Superior Ladder Co., Goshen, Ind.
Udell Works, Indianapolis, Ind.
Union Blind & Ladder Co. ("Star"), Oakland, Cal.

### 7118—Ladders (Rolling & Trolley)

Allith-Prouty Co. ("Reliable"), Danville, Ill.
Bicycle Step Ladder Co. ("Model" "Bicycle" Six Auto-ladders), 6 W Randolph, Chicago, Ill.
Calander Jno. Mfg. Co., 629 Jackson, St. Paul, Minn.
COBURN TROLLEY TRACK MFG. CO., ("Coburn"), P. O. Box 127, Holyoke, Mass.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Hunt, Helm, Ferris & Co. (Cannon Ball), Harvard, Ill.
Lane Bros. Co., ("Lane's Pat"), Poughkeepsie, N. Y.
McCABE HANGER MFG. CO., 426-428 W. 25th, New York
*See adv index at end of book*
Milbradt Mfg. Co., 2410 N 10th, St. Louis, Mo.
MYERS F. E. & BRO. ("Myers" Cushion Tire), 900 4th, Ashland, O.
*See adv index at end of book*
Newhall Henry B., 89 West, New York
Putman & Co. ("Putnam"), 32 Howard, New York
Richards-Wilcox Mfg. Co. (Ceiling & Shelf Rolling), Aurora, Ill.
Union Blind & Ladder Co. (Rolling, Oakland, Cal.

### 7119— Ladders (Rope)

See also Fire Escapes, Rope

Daniels C. R. Inc., 115 South, New York
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*

### 7120— Ladders (Steel)

Adler H. Co., Carnegie, Pa.
American Bridge Co. (Mine), 30 Church, New York
American Standard Shipfittings Corp. (Ship), 115 B'way, New York
*See adv index at end of book*
Art Metal Construction Co. (& Wood) Jamestown, N. Y.
*See adv index at end of book*
Barnum E. T., Wire & Iron Works, 864 Woodward, Detroit, Mich.
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Mitchell-Tappen Co., 15 John, New York
Myers F. E. & Bro., 900 4th, Ashland, O.
*See adv index at end of book*
PITTSBURG DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Republic Structural Iron Wks. Co., 1350 E 53d, Cleveland, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*

### 7121— Ladders (Step)

Acme Mfg. Co., 1806 East, Pittsburgh, Pa.
Albion Wood & Metal Products Co., Inc. ("Giant Jr." Two Step Folding), Albion, N. Y.
Babcock W. W. Co. ("New York," "Steuben," Bath, N. Y.
Bacon & Co., Gasport, N. Y.
Bent Rung Ladder & Mfg. Co. ("Columbia," "Hastings," "Wetting," "X X"), Indiana, Pa.
Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Bicycle Step Ladder Co., 6 W Randolph, Chicago, Ill.
Bishop Ladder Co., Hartford, Conn.
Border City Industrial Co., Border City, N. Y.
Chesebro Whitman Co., 1167 First av, New York
Clark J. R. Co., 2nd av N & Aldrich, Minneapolis, Minn.
Consolidated Pump Co., Toledo, O.
Crain Pump & Lbr. Co., 623 Arch, Philadelphia, Pa.
Davenport Ladder Co., Davenport, Ia.
Driver John ("Boss"), San Leandro, Cal.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Fellows & Co., 234 Friend, Boston, Mass.
Flint A. W. & Co., New Haven, Conn.
Fox Geo. S. ("Hercules"), 137 N 6th, Phila., Pa.
Frizell Ladder Co. ("Fairy," "Giant," "Climax"), 135 Granite av, Boston, Mass.
Goshen Churn & Ladder Co. ("Goshen Hill," "Security"), Goshen, Ind.
Goshen Mfg. Co. ("Climax," "Faultless"), Goshen, Ind.
Handy Ladder Works ("Handy"), Cleveland, O.
Holmquist & Co., 2814 W 26th, Chicago, Ill.
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Krewson T. C., 801 Master, Phila., Pa.
Mallory C. M., Albion, N. Y.
Michigan Ladder Co., Ypsilanti, Mich.
Moulton C. W. H. Co., Somerville, Mass.
N. Y. Ladder Co., 384 Hudson, New York.
Orleans Steel Products Co., 1021 Bienville, New Orleans, La.
Paris Mfg. Co., South Paris, Me.
Pease F. B. Co., Rochester, N. Y.
Pratt Mfg. Co. ("Red Star," "Monarch"), Coldwater, Mich.
Reed Evan L. Mfg. Co. (Combination Locking Stools), Sterling, Ill.
Reilley Bros. Ladder Co. ("Hub," "Manhattan"), 324 W 41st, New York
Rich Pump Co. ("Cincinnati Truso" "Queen City," "Acme," "Star," "Victor"), South & Depot, Cincinnati, O.
Richter C. G. & Co. (Safety), Spokane, Wash.
Safety Ladder Mfg. Co., Seattle, Wash.
Saginaw Ladder Co., Ltd., Saginaw, Mich.
Smith S. A. Mfg. Co. ("Star," "National," "Eetna"), Brattleboro, Vt.
Specialty Mfg. Co., Titusville, Pa.
Stokes Wm. A. & Co., 50 Howard, New York
Superior Ladder Co. ("Monarch," "Attos"), Goshen, Ind.
Tilley Jno. S. Ladders Co., Watervliet, N. Y.
Udell Works, Indianapolis, Ind.
Union Blind & Ladder Co. ("Star"), Oakland, Cal.
Whitehurst R. W. Mfg. Corp. ("Handy," "Superb"), Norfolk, Va.
Wilkinson Mfg. Co. (Collapsible), Binghamton, N. Y.

### Ladders (Store Sliding)

See Ladders, Rolling & Trolley

### 7122— Ladders (Straight)

Babcock W. W. Co., Bath, N. Y.
Bent Rung Ladder & Mfg. Co. ("New Model"), Indiana, Pa.

Berger Bros. Co., 229 Arch, Philadelphia, Pa.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Canton Ladder Co., Canton, O.
Davenport Ladder Co., Davenport, Ia.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
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Flint A. W. & Co., New Haven, Conn.
Fox Geo. S., 137 N 6th, Phila., Pa.
Goshen Churn & Ladder Co., Goshen, Ind.
Heider Mfg. Co., Carroll, Ia.
Krewson T. C., 801 Master, Phila., Pa.
Michigan Ladder Co., Ypsilanti, Mich.
Moulton C. W. H. Co., Somerville, Mass.
Newton & Haggerty Ladder Co., Ann Arbor, Mich.
Pease F. B. Co., Rochester, N. Y.
Reilley Bros. Ladder Co., 324 W 41st, New York
Saginaw Ladder Co., Ltd., Saginaw, Mich.
Superior Ladder Co., Goshen, Ind.
Tilley Jno. S. Ladders Co., Watervliet, N. Y.
Tupper John, Lynn, Mass.
Udell Works, Indianapolis, Ind.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

## 7123—Ladders (Straight, Sectional)

Babcock W. W. Co., Bath, N. Y.
Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Canton Ladder Co., Canton, O.
Combination Ladder Co., 366 Fountain, Providence, R. I.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Flint A. W. & Co., New Haven, Conn.
Fox Geo. S., 137 N 6th, Phila., Pa.
Goshen Churn & Ladder Co., Goshen, Ind.
Krewson T. C., 801 Master, Phila., Pa.
Michigan Ladder Co., Ypsilanti, Mich
Moulton C. W. H. Co., Somerville, Mass.
Superior Ladder Co., Goshen, Ind.
Tilley Jno. S. Ladders Co., Watervliet, N. Y.
Udell Works, Indianapolis, Ind.

## 7124—Ladders (Swimming Pool)

Cincinnati Mfg. Co., Cincinnati, O.
COLUMBUS BRASS CO., 538 Dublin av, Columbus, O.
*See adv index at end of book*
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Wisconsin Iron & Wire Wks, Milwaukee, Wis.

## 7125—Ladders & Trucks (Firemen's)

Anderson Coupling & Fire Supply Co., Kansas City, Kan.
Davenport Ladder Co. (Fire Ladder Only, Single, Extension & Roof), Davenport, Ia.
Moulton C. W. H. Co., Somerville, Mass.
Portland Extension Ladder Co. (Safety Trussed), 130 Orange, Newark, N. J.
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*

## 7126—Ladle Sleeves & Nozzles

Dixon Joseph Crucible Co., Jersey City, N. J.
Garfield Fire Clay Co., Robinson, Pa.
Haws A. J. & Sons (Ltd.), Johnstown, Pa.
Savage Fire Brick Co., Meyerdale, Pa.
Swank's H. Sons (Fire Brick), Johnstown, Pa.
United Fire Brick Co., Uniontown, Pa.

## 7127-8— Ladles (Babbitt)

American Mfg. Co., Chattanooga, Tenn.
Hollands Mfg. Co., 352 E 18th, Erie, Pa.
Improved Appliance Co., 413 Kent, B'klyn, N. Y.
Link Mfg. Co., Kansas City, Mo.
Norris Bros., Robinson, Ill.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg., & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Stevens Frederic B., 3d & Larned, Detroit, Mich. *See adv index at end of book*
Woonsocket Mach. & Press Co., Woonsocket, R. I.

## Ladles (Bessemer Plant)

See Ladles, Open Hearth & Bessemer Plant

## Ladles (Cinder Car)

See Ladles, Foundry; also Cars, Hot Metal & Slag

## 7129— Ladles (Family, Etc.)

Central Stamping Co., 172 Fulton, New York
National Enameling & Stamping Co., 411 5th av, New York
Strong Mfg. Co., Sebring, O.

## 7130— Ladles (Foundry)

Carroll-Porter Boiler & Tank Co., Empire bldg., Pittsburgh, Pa.
Central Foundry Supply Co. ("Byram" 15 to 35,000 lbs.), P O Box 945, Columbus, Ohio
Clark W. J. Co., Salem, O.
Columbiana Boiler Co. (Riveted), Columbiana, O.
Connelly D. Boiler Co. (Or Hot Metal), Ivanhoe rd & N. Y. & St. S. R. R., Cleveland, O.
DOVER BOILER WORKS, Sales Office; 40 Church, New York; Works: Dover, N. J.
*See adv index at end of book*
Farrar & Trefts, Inc., Buffalo, N. Y.
*See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
Hibben & Co., 9376 Ewing av, Chicago, Ill.
Lindsay W. W. & Co., Inc., Harrison Bldg., Philadelphia, Pa.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Manitowoc Engineering Works, Manitowoc, Wis
Marshall Foundry Co. (Slag), 28th & RR., Pittsburgh, Pa.
Meehan Boiler & Construction Co., Lowellville, O.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
Muncie Boiler & Sheet Iron Wks., Muncie, Ind.
NORTHERN ENGINEERING WORKS, 9 Chene, Detroit, Mich.
*See adv index at end of book*
Osborn Mfg. Co., 5401 E. Hamilton, Cleveland, O. *See adv index at end of book*
P. & O. Supply Co., Hanover & Florida, Milwaukee, Wis.
Paxson, J. W. Co., 1021 N Delaware av, Philadelphia, Pa.
Riter-Conley Co., Oliver Bldg., Pittsburgh, Pa.
Stewart Boiler Works, Worcester, Mass.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tropenas Converter Co., 2243 Nostrand av, Brooklyn, N. Y.
Union Boiler & Mfg. Co., Lebanon, Pa.
Warren City Tank & Boiler Co. (Riveted), Warren, O.
Whiting Foundry Equipment Co., 107th & Halstead, Chicago, Ill.

## Ladles (Galvanizing)

See Kettles, Galvanizing

## Ladles (Hot Metal)

See Ladles, Open Hearth & Bessemer Plant

## Ladles (Matte)

See Ladles, Mining

## 7131—Ladles (Melting & Plumbers')

Advance Mfg. Co., Erie, Pa.
American Mfg. Co., Chattanooga, Tenn.
Ashton Mfg. Co. ("Red Hot" Wrought Steel), 184 Emmet, Newark, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Clayton & Lambert Mfg. Co. (Plumbers' Steel), 1370-80 Beaubien, Detroit, Mich.
Dicke Tool Co., Downers' Grove, Ill.
Hollands Mfg. Co., 352 E. 18th, Erie, Pa.
Improved Appliance Co., 413 Kent, B'klyn, N. Y.
Johnson Wm. (Hedenberg Works) (Plumbers'), Newark, N. J.
Lalance & Grosjean Mfg. Co. (Wrought Steel), 299 B'way, New York
Littleford Bros., 444 E Pearl, Cincinnati, O.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mark Mfg. Co., Evanston, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Reading Hardware Co., Reading, Pa.
Sargent & Co. (Melting), New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J
Stortz John & Son, 210 Vine, Phila., Pa.
Stowell Co. The, So Milwaukee, Wis.
Wrightsville Hardware Co., Wrightsville, Pa.

## 7132— Ladles (Mining)

KENNEDY VAN SAUN MFG. & ENG. CORP. (Cast Steel Matte Ladles), 120 Broadway, New York
*See adv index at end of book*
Union Iron Works Co. (Matte Ladles), 20th & Michigan, San Francisco, Cal.
Worthington Pump & Mfg. Corp. (Heavy Steel Plate) 115 Broadway, New York
*See adv index at end of book*

## 7133—Ladles (Open Hearth & Bessemer Plant)

Carroll-Porter Boiler & Tank Co., Empire bldg., Pittsburgh, Pa.
Clark W. J. Co., Salem, O.
Columbiana Boiler Co. (Riveted), Columbiana, O.
Connelly D. Boiler Co. ("Connelly"), Ivanhoe rd & N. Y. & St. S. R. R., Cleveland, O.
Dover Boiler Works, Sales Office: 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Farrar & Trefts, Inc., Buffalo, N. Y.
*See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
Hibben & Co., 9376 Ewing av, Chicago, Ill.
Lindsay, W. W. & Co., Inc., Harrison Bldg., Philadelphia, Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
Penna. Engineering Works, New Castle, Pa.
Petroleum Iron Works Co., Sharon, Pa.
Phoenix Iron Works Co., Meadville, Pa.
Pollock Wm. B. Co., Youngstown, O.
Riter-Conley Co., Oliver Bldg., Pittsburgh, Pa.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Warren City Tank & Boiler Co. (Riveted), Warren, O.

## 7133a— *Ladles (Pickle)

ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*

## 7134—Ladles (Pipe Layers')

Sperry D. R. & Co., Batavia, Ill.

## Ladles (Slag)

See Ladles, Foundry; also Cars, Hot Metal & Slag

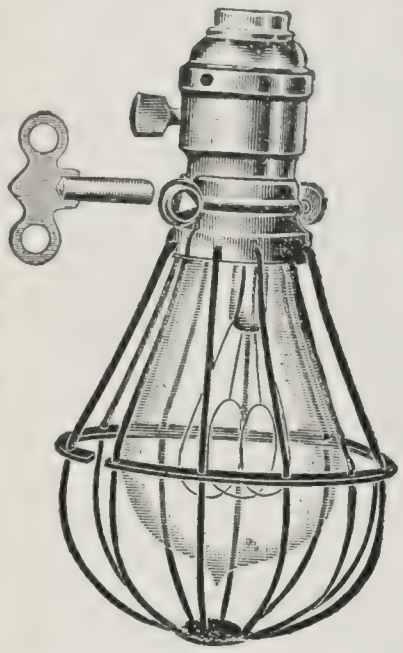
## Ladles (Truck)

See Ladles, Crane or Truck

## 7135— Ladles (Wax)

Indiana Hollow Ware Co. (Cast Iron), Jefferson, Ind.

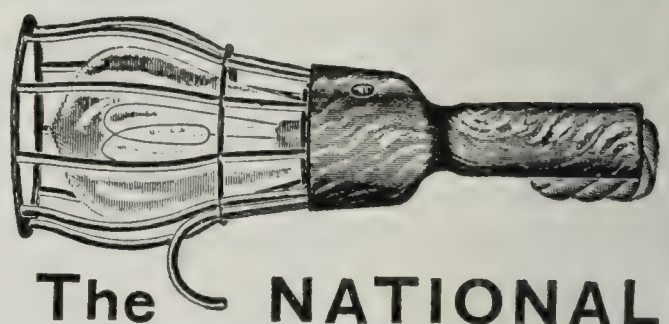
LOXON
LAMP GUARD
THE KEY TO SAFETY



CUT DOWN YOUR LAMP BILLS

THOUSANDS of factories, mills and shops cut down their bills for incandescent lamps by using **LOXONS.** They lock on with a key and absolutely **Prevent Theft and Breakage of Lamp,** as well as **Fire** from a hot or broken lamp next oily waste or other combustibles.

A **LOXON** costs no more than a lamp and saves many. So they pay big dividends.



The NATIONAL PORTABLE LAMP GUARD

**Loxon Lamp Guards** are made to fit all lamps from 15 Watt up to and including 200 Watt size. A free sample Loxon 25, 40 or 60 Watt size will be sent on request if you will write on your business letter head.

**McGill Mfg. Co.**
77 OAK STREET
**Valparaiso, Indiana**


## 7136— Ladles (Wood)

Chapman-Sargent Co. (Butter, etc.), Piqua, O.

## 7137-8—Lagging (Hardwood)

Dodge Sales & Engineering Co., Mishawaka, Ind.
Hill Clutch Co., W 65th, Cleveland, O.
Serfas Lumber Co., Drake bldg., Easton, Pa.

## 7139— Lamp Black Mfrs.

Bihn & Wolff Co. ("Keystone," "Old Abe," "Reliable Standard" Coach Painters, "Charlton Velvet," "Curriers" Locomotive Sign Writers), Ash & Almond, Phila., Pa.
Binney & Smith Co., 81 Fulton, New York
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
Doggett Stanley, 11 Cliff, New York
Donald Wm. C. & Co., Andover, Mass.
Eddy's Titus Son, Troy, N. Y.
Hyde Carbon Black Co., Ridgeway, Pa.
Industrial Chemical Co., 200 5th av, New York
**MARTIN L. CO.** ("Germantown," "Eagle," "Pyramid," "Old Standard"; also "Globe" & "Torch" Bulk Blacks for Rubber, Paper, Cement, Paints, Varnishes etc.), 81 Fulton, New York
Osborn C. J. Co., 132 Nassau, New York
Seaver & Co., 120 Milk, Boston, Mass.
Smith J. Lee & Co. (Jobbers), 19 Jacob, New York
Wilckes, Martin, Wilckes Co. ("Bear Brand"), 135 William, New York

## 7140— Lamp Guards

**Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill**
*See adv index at end of book*
Culver Stearns Mfg. Co., Worcester, Mass
Darby Edw. & Sons Co. (Wire), 412 N 18th, Phila., Pa.
Doubleday-Hill Electric Co ("Holdfast"), 719 Liberty av, Pittsburgh, Pa.
Electric Service Supplies Co. ("Keystone"), 17 & Cambria, Phila., Pa.
Estey Wire Works Co., 34 Cliff, New York.
Flexible Steel Lacing Co., 522 S Clinton, Chicago, Ill.
Forg Peter Mfg. Co., Somerville, Mass.
Frink I. P., Inc. (Portable), 10th av & 54th, New York
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Hamblin & Russell Mfg. Co. ("Never Break"), Worcester, Mass.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Howard & Morse (Wire), 45 Fulton, New York
Hubbell Harvey, Bridgeport, Conn.
Leveridge Chas. W. ("L. & L." Lock), 133 Liberty, New York
Lovell F. H. & Co. (Wire), Arlington, N. J.
McGill Mfg. Co. (Portable, "Loxon," "Bull Dog," "Crescent," "Crescent Wall," "National," "Standard," "Monitor," "Security"), 77 Oak, Valparaiso, Ind.
*See adv index at end of book*
Meyers Fred J. Mfg Co., Hamilton, O.
*See adv index at end of book*
**MORSE FRANK W.** ("Never-Break," "Morse," "Webster," "Peerless" Locked for Incandescent Lamps), 289 Congress, Boston, Mass.
*See adv index at end of book*
Novelty Electric Co., 50 N 4th, Phila., Pa.
Plocher Andrew Sons Co., Dayton, O.
Porter Co. ("T. P. C."), 241 Water, New York
Racine Iron & Wire Works (Electric Lamp Bulbs), Racine, Wis.
Robb & Blackmer, 129 Pearl, Boston, Mass.
Russell & Stoll Co., 17 Vandewater, New York
Scott Bros. Electric Co. (Wire), Detroit, Mich.
Seidler-Miner Co. ("S-M" Watertight Bunch Light, 36 Larned, Detroit, Mich.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Standard Wire Co., Newcastle, Pa.
Stehlin-Miller Henes Co., 103 Park av, New York
Stewart Frank H. Electric Co. (Adjustable), 35 N 7th, Phila., Pa.
Swan Electric Co., 144 Oliver, Boston, Mass.
V. V. Fittings Co., 1906 N 6th, Phila., Pa.
Wickwire Spencer Steel Corp., ("Natwire"), Worcester, Mass.
*See adv index at end of book*
Wire Goods Co. (Wire), Worcester, Mass.

## 7141—*Lamp Guards (Arc, Globe)

**MORSE, FRANK W.** ("Morse"), 289 Congress, Boston, Mass.
*See adv index at end of book*

## 7141a—*Lamp Guards (Miniature)

**MORSE, FRANK W.** ("Morse"), 289 Congress, Boston, Mass.
*See adv index at end of book*

## 7141b—*Lamp Replacers & Cleaners (Incandescent)

**MORSE FRANK W.** ("Handy"), 289 Congress, Boston, Mass.
*See adv index at end of book*

## Lamp Sockets (Incandescent)

See Sockets, Incandescent Lamp

## Lamp Standards & Brackets (Iron & Bronze)

See Posts, Lamp, Arc & Tungsten

## 7142—Lamps (Acetylene Gas)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Brilliant Search Light Mfg. Co., 529 S. Dearborn, Chicago, Ill.
Brown John W. Mfg. Co., Columbus, O.
Davis Acetylene Co. (Arc), Elkhart, Ind.
Klemm & Co. ("Klemm" Arc), 132 N 5th, Phila., Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.
Miner Thos. T. W. ("Miner" Globe), 821 Eagle av, New York
Royal Lamp Co. (Incandescent), Cleveland, O.
Seiss Mfg. Co., Toledo, O.

## 7143— Lamps (Alcohol)

Alcohol Utilities Co. ("Pyro"), 27 William, New York
Best Light Co., 477 2d, N E, Canton, O.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
N. Y. Stamping Co. ("Empress" Vapor), N 11th & Berry, Brooklyn, N. Y.
Quincy Foundry & Novelty Co., Quincy, Ill.
Theroz Co. ("Theroz"), 233 Broadway, New York

## 7144— Lamps (Arc)

Adams-Bagnall Electric Co. ("A-B," Enclosed), Platt av, Cleveland, O.
Buckeye Electric Works of G. E. Co. ("The Manhattan" Alt & Direct Enclosed Incan), 1806 E 45th, Cleveland, O.
Economy Electric Co., 211 Fulton, Brooklyn, N. Y.
**GENERAL ELECTRIC CO.** ("Multiple & Series A. C. & D. C."), Schenectady, N. Y. *See adv index at end of book*
Helios Mfg. Co. ("Continental"), Garden ab Bridge, Philadelphia, Pa.
Imperial Electric Mfg. Co., 253 B'way, New York
Kabden Electric Co. (Imp), 152 Chambers, New York
Philadelphia Electrical & Mfg. Co. ("Pemco" Tungsten), 1236 N 31st, Phila., Pa.
Pittsburgh Electrical & Machine Works (Direct Current), Barker place, Pittsburgh, Pa.
Sorensen P., 18 Dnhm. pl, B'klyn, N. Y.
Toerring C. J. Co. ("Toerring," Enclosed), 2121 Toronto, Philadelphia, Pa.
Universal Electric Stage Lighting Co. ("Klieglight" for Studios), 240 W 50th, New York
Wagenhorst J. H. & Co. ("Wagenhorst-Hi-Power), Youngstown, Ohio
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*
Wohl M. J. & Co., 211 Fulton, B'kyn, N. Y.

## Lamps (Arc, Acetylene)

See Lamps, Acetylene Gas, with the Word Arc following their names

## 7144a—Lamps (Arc, Electric, Non-Magnet)

Hughes Universal Arc Lamp Co. ("Hughes Universal" Without Either Dash-Pot or Magnet), 628 Race, Phila, Pa.

## 7145—*Lamps (Arc, Flame Carbon)

**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 7146-7—Lamps (Arc, Flaming)

Adams-Bagnall Electric Co. ("A. B."), Platt av, Cleveland, O.
Bell Arc Light Co., 20 W Houston, New York
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
General Illuminating Co. ("Grant"), 47 Green, New York
Hagstedt Chas. ("Flamor"), 139 E 54th, New York
Hamburger Felix ("Jupiter," "Carbone," "Bivolt," Imp.), 44 E 23rd, New York
Helio Mfg Co., 2530 N Broad, Phila, Pa.
Kandem Electric Co. (Imp.), 152 Chambers, New York
Scott Electrical Co. ("Decuple"), 357 Ogden, Newark, N. J.
Toerring C. J. Co., 2121 Toronto, Phila., Pa.
Wagenhorst J. H. & Co. ("Wagenhorst-Hi-Power), Youngstown, Ohio
Warner Electric Co., Muncie, Ind.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## Lamps (Arc, For Blue Printing & Photography)

See Blue Print Lamps & Carbons

## 7148— Lamps (Arc, Gas)

See also Lamps, Incandescent Gas
American Gas Machine Co. ("American" Inverted), Albert Lea, Minn.
Bell Arc Light Co. ("Bell," Triple Air), 20 W Houston, New York
Block Gas Mantle Co., Youngstown, O.
Chester Alliance Gas Light Co., 2758 Madison av, New York
Eclipse Light Co., 583 B'way, New York
Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.
Garwood Gas Lamp & Heater Co. ("Garwood" Inverted), Canton, Ohio
General Gas Light Co. ("Humphrey"), Kalamazoo, Mich.
Incandescent Burner Co., 395 Claremont av, Brooklyn, N. Y.
Kern Burner Co., 217 W 125th, New York
Klemm & Co., 132 N 5th, Phila., Pa.
National Stamping & Electric Works, 424 S Clinton, Chicago, Ill.
New Idea Arc Light Co., 20 W Houston, New York
Risinger Bros. Co. ("Risinger" Street Inverted, etc, "Colonel" Inside, Porch, etc), E. Liverpool, O.
Solar Light Co., 69 Wooster, New York
Sun Vapor & Gas Street Light Co., 1002 Market av, S, Canton, O.
Thurnauer Otto, 28 W 22d, New York

## 7149—Lamps (Arc, Gasoline)

See also Lamps, Gasoline; also Lamps, Incandescent Gasoline
American Gas Machine Co. ("Manson" & "American"), Albert Lea, Minn.
Best Light Co., 477 Second, N E, Canton, Ohio
Coleman Lamp Co. ("Coleman" Boulevard, etc), 120 S. Los Angeles, Los Angeles, Cal.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.
Knight Light & Soda Fountain Co., 351 W Chicago av, Chicago, Ill.
Lawrence Mfg. Co., 9 S Clinton, Chicago, Ill.
National Stamping & Electric Works, 424 S Clinton, Chicago, Ill.
Tures Mfg. Co. ("Turz-Lite" Stationary & Portable), 394 6th, Milwaukee, Wis.
Waxham Light Co. ("Waxham" "Knight"), 318 W 46th, New York *See adv index at end of book*

## 7149a—*Lamps (Arc, Metallic Flame)

**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 7150—Lamps (Arc, Miniature)

General Illuminating Co. ("Grant"), 47 Green, New York

## 7151—Lamps (Arc, Photo-Engraving)

Adams-Bagnall Electric Co., Platt av, Cleveland, O.
Allison & Hadaway Corp., 42 W 39th, New York
Bogue Chas. J., Electric Co., 513 W 29th, New York
Eastman Kodak Co. ("Aristo"), Rochester, N. Y.
Helio Mfg. Co., 2530 N Broad, Philadelphia, Pa.
Lazorides Mfg. Co. (Imperial Photographic), 56 Beekman, New York
Macbeth Arc Lamp Co., 1524 Chestnut, Phila., Pa.
Majestic Elec. Appliance Co. (Universal Photographic), 5 E 14th, New York
Nela Spec. Division Natl Lamp Wks. of G. E. Co., Nelo Park, Cleveland, O.
New York Engravers' Supply, 230 W 17th, New York
Scott Elec Co., 357 Ogden, Newark, N. J.
Simplex Photo Prodts. Co., Morris Park, Richmond Hill, N. Y.
Thompson Albert T. & Co., 15 Tremont pl, Boston, Mass.
Toerring C. J. Co., 2121 Toronto, Phila., Pa.
United Electric Apparatus Co., 1529 Columbus av, Boston, Mass.
Wagenhorst J. H. & Co. ("Wagenhorst-Hi-Power"), Youngstown, O.
Western Electric Co. ("Aristo"), 463 West, New York
White H. C. Co., North Bennington, Vt.
Wohl M. J. & Co., 211 Fulton, Brooklyn, N. Y.

## 7152—Lamps (Arc, Stage & Stereopticon)

Chicago Stage Ltg. Co., 112 N La Salle, Chicago, Ill.
Edison Lamp Works ("Edison Maza"), Sussex, Harrison, N. J.
McIntosh Stereopticon Co., 30 E Randolph, Chicago, Ill.

LAMPS (ARC, STAGE & STEREOPTICON)—continued

Merit Machine Mfg. Co., 465 Greenwich, New York *See adv index at end of book*
Newton C., 305 W 15th, New York
Sprague Elec. Wks. of G. E. Co., 527 W 34th, New York
Universal Electric Stage Lighting Co. ("Kliegl"), 240 W 50th, New York

## 7152a—Lamps (Artistic Bronze & Wrought Iron)

Anchor Post Iron Works, 17 B'way, New York *See adv index at end of book*
Cincinnati Mfg. Co., Cincinnati, O.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Heath J. S. & Co., Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Jackson Wm. H. Company, 2 W 47th, New York
**MEYERS FRED J. MFG. CO., Hamilton, O.**
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**TYLER W. S. CO.** (Brackets, etc), Cleveland, O., & 200 5th av, New York
*See adv index at end of book*

## 7153—Lamps (Automobile, Electric)

See also Headlights, Automobile

**A-A** Elec. Mfg. Co., 303 Center, Bridgeport, Conn.
Adams-Bagnall Electric Co., Platt av, Cleveland, O.
Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Anderson Electric Specialty Co., 154 Whiting, Chicago, Ill.
Art Metal Mfg. Co., E 61st & Curtis av, Cleveland, O.
Boother Miller Co., 2210 S Main, Los Angeles, Cal.
Bosch Magneto Co., 223 W 46th, New York
Brown John W. Mfg. Co., Columbus, O.
Campbell A. S. Co. ("Cello" Spot, Search Side & Tail), 276 Commercial, Boston, Mass.
Chicago Elec. Mfg. Co. (Board & Tonneau Lamps), 2817 S Halsted, Chicago, Ill.
Columbus Auto Brass Co., 769 N 4th, Columbus, O.
Corcoran-Victor Co. (& Motor Cycle), Cincinnati, O.
Cowles C. & Co., New Haven, Conn.
Culvert-Stearns Mfg. Co., Detroit, Mich.
Detroit Starter Co., 32 E Larned, Detroit, Mich.
Dietz B. E. Co., 60 Laight, New York
Edmunds & Jones Corp., 436 Lawton, Detroit, Mich.
Elec. Service Supplies Co., 17th & Cambria, Philadelphia, Pa.
English & Mersick Co., Winchester av, New Haven, Conn.
Foster C. H. Accessories Co., Chicago, Ill.
Fowler Lamp & Mfg. Co. ("Fowler," also for Motor Boats), 59 E 24th, Chicago, Ill.
Gray & Davis, Boston, Mass.
Guide Motor Lamp Mfg. Co. (For Fords), W 114th & Madison, Cleveland, O.
Hall C. M. Lamp Co., 363 E Hancock, Detroit, Mich.
Handlan-Buck Mfg. Co. (Side & Tail), 210 14th nr 3d, St. Louis, Mo.
Holt & Beeber Co., 104 Brookline, Boston, Mass.
Howe Lamp & Mfg. Co., 123 E Ontario, Chicago, Ill.
Import Sales Co., 27 W 20th, New York
Indiana Lamp Co., Connersville, Ind.
Kilborn Sauer Co., Fairfield, Conn.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Marburg Bros. ("Marburg-Lucifer"), 90 West, New York
**METAL SPECIALTIES MFG. CO.** ("Presto"), 338 N Kedzie av, Chicago, Ill.
Milwaukee Bronze Casting Co., 119 Clinton, Milwaukee, Wis.
Newfield Silver Mfg. Co., State & Ash, Bridgeport, Conn.
O'Brien Jos. F. Mfg. Co., 391 B'way, New York
Pittsburgh Elec. Spec. Co., Ross & 1st av, Pittsburgh, Pa.
Raydex Mfg. Co., Brockenridge, Pa.
Rose Mfg. Co. ("Neverout"), 910 Arch, Philadelphia, Pa.
Rosen A. W. & Co., 610 B'way, New York
S. & M. Lamp Co., Los Angeles, Cal.
Silvey Elec. Co., Dayton, O.
Smith F. A. Mfg. Co., Rochester, N. Y.
Strutt, Wm., Paterson, N. J.
Superior Lamp Mfg. Co., 136 W 52d, New York
Sutterley G. T. & Co., 172 N 2nd, Philadelphia, Pa.
Vesta Accumulator Co. ("Vesta"), 2100 Indiana av, Chicago, Ill.
White Mfg. Co., Bridgeport, Conn.
Wood Mfg. Co., Fairfield, Conn.

## 7154—Lamps (Automobile, Gas & Oil)

See also Lamps, Carriage
See also Headlights, Automobile

Adams & Westlake Co. (Side & Tail Oil), 319 W Ontario, Chicago, Ill.
American Lamp Works, 253 W 47th, New York
Auto Lamp & Radiator Co., 1614 Prospect, Cleveland, O.
Brown Jno. W. Mfg. Co., Columbus, O.
Buffalo Lamp Co., 110 B'way, Buffalo, N. Y.
Colt J. B. Co. (Gas), 30 E 42d, New York
Corcoran-Victor Co. (& Motor Cycle), Cincinnati, O.
Cowles C. & Co. (Oil), New Haven, Conn.
De Voursney Bros., 389 Broome, New York
Dietz R. E. Co., 60 Laight, New York
Edmunds & Jones Corp., 436 Lawton, Detroit, Mich.
Fowler Lamp & Mfg. Co. ("Fowler"), 59 E 24th, Chicago, Ill.
Gidon Joseph E., 794 10th av, New York
Gray & Davis ("Bullet"), Boston, Mass.
Guide Motor Lamp Co., W 114th & Madison, Cleveland, O.
Hall C. M. Lamp Co., 363 E Hancock, Detroit, Mich.
Hawthorne Co. ("Old Sol"), Bridgeport, Conn.
Hine-Watt Mfg. Co. ("Columbia" Gas), **180 N Market, Chicago, Ill.**
Indiana Lamp Co., Connersville, Ind.
Manhattan Auto Parts & Lamp Works Co., 162 W 56th, New York
**Post & Lester Co. ("Royal de Luxe"), Hartford, Conn.**
Rose Mfg. Co. ("Neverout"), 910 Arch, Phila., Pa.
**Sibley Pitman Electrical Corp. ("Climax"),** 190 6th av, New York
Superior Lamp Mfg. Co., 136 W 52d, New York
White Mfg. Co. (Oil), Bridgeport, Conn.

## 7155—Lamps (Automobile, Trouble Finding)

Adams-Bagnall Electric Co., Platt av, Cleveland, O.
American Enamel Co. ("Britelite"), Providence, R. I.
American Ever Ready Works, Thompson av, L. I. City, New York
Anderson Elec. Spec. Co. (Dashboard), 154 Whiting, Chicago, Ill.
Benjamin Elec. Mfg. Co. ("Speedolite" Dashboard), 128 S Sangamon, Chicago, Ill. *See adv index at end of book*
Brock A. S. Rubber Co., 57 Broad, Boston, Mass.
Campbell A. S. Co., 276 Commercial, Boston, Mass.
Chicago Elec. Mfg Co., 2817 S Halstead, Chicago, Ill.
Columbus Auto Brass Co. (Dash), 769 N 4th, Columbus, O.
Conn. Telephone & Elec. Co., 70 Britnia, Meriden, Conn.
Connelly Iron Sponge & Governor Co., 227 Fulton, New York
Culver Stearns Mfg. Co., 34 Southbridge, Worcester, Mass.
Cuno Engng. Corp. (Combination), Meriden, Conn.
Fowler Lamp & Mfg. Co. ("Fowler" Electric), 59 E 24th, Chicago, Ill.
Gibson-Hollister Mfg. Co., Springfield, Mass.
Harvard Elec. Co., 525 W Van Buren, Chicago, Ill.
Harvey W. A., Scranton, Pa.
Holnig, Wm. J., 53d, Brooklyn, N. Y.
Inland Elec. Co. (Dept. J. Garage), 16 N Franklin, Chicago, Ill.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Metal Specialties Mfg. Co. ("Presto"), 338 N Kedzie av, Chicago, Ill.
**MORSE FRANK W.** ("Morse" trouble for automobiles & power boats & speedometer dash & dome), 289 Congress, Boston, Mass.
*See adv index at end of book*
Premier El. Co., 1123 S Wabash av, Chicago, Ill.
Providence Electric Mfg. Co. ("Nitelite"), 23 Broad, Providence, R. I.
Rosen A. W. & Co., 610 Broadway, New York
Smith F. A. Mfg. Co., Rochester, N. Y.
Stanley & Patterson, 23 Murray, New York
Superior Lamp Mfg. Co., 136 W 52d, New York
Varney Elec'l Supply Co., Indianapolis, Ind.

## 7156— Lamps (Battery)

**Edison Lamp Works of General Electric** "Edison," "Mazda"), Sussex, Harrison, N. J.
Interstate Electric Novelty Co., 104 S 4th, New York
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
**MORSE FRANK W.** ("Morse" Trouble, for Automobiles & Power Boats), 289 Congress, Boston, Mass.
*See adv index at end of book*
Vesta Accumulator Co. ("Vesta" Pocket, etc), 2100 Indiana av, Chicago, Ill.

## 7157— Lamps (Bicycle)

Bridgeport Brass Co., Bridgeport, Conn.
Burchwell Mfg. Co., Pontiac bldg, St. Louis, Mo.
Central Tele. & Elec. Co., 310 N 11th, St. Louis, Mo.
Dietz R. E. Co., 60 Laight, New York
Hall C. M. Lamp Co., Hancock & Revard, Detroit, Mich.
**Hine-Watt Mfg. Co., 180 N Market, Chicago, Ill.**
Indiana Lamp Co., Connersville, Ind.
Marburg Bros. ("Marburg-Lucifer"), 90 West, New York
Metal Spec Mfg. Co. ("Presto"), 338 N Kedzie av, Chicago, Ill.
**MORSE FRANK W.** ("Morse" electric), 289 Congress, Boston, Mas.
*See adv index at end of book*
Rose Mfg. Co. ("Neverout"), 910 Arch, Philadelphia, Pa.
**SCOVILL MFG. CO.** (To Order Only), Waterbury, Conn.
*See adv index at end of book*
Seiss Mfg. Co. ("Lightweight"), Toledo, Ohio

## 7157a— Lamps (Blue Print)

See also Blue Print Lamp & Carbons
Cooper Hewitt Electric Co., Hoboken, N. J.
**GENERAL ELECTRIC CO.** (& Carbon), Schenectady, N. Y.
*See adv index at end of book*

## 7158—Lamps (Bridge, Pier & Channel)

Coleman Lamp Co. ("Coleman" Bridge & Pier), Wichita, Kan.
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Porter Co., 241 Water, New York
Raydex Mfg. Co., Inc. (Pier), Brackenridge, Pa.
Smith of N. Y. Co., 1 Franklin sq., New York

## 7159— Lamps (Bunker)

Smith of N. Y. Co., 1 Franklin sq., New York

## 7160— Lamps (Candle)

Adams & Westlake Co., 319 W. Ontario, Chicago, Ill.
American Ring Co., Waterbury, Conn.
Handlan-Buck Mfg. Co., 210 14th nr 3d, St. Louis, Mo.
Porter Co., 241 Water, New York

# 300 CANDLE POWER WHITE LIGHT
FROM ORDINARY GASOLINE OR KEROSENE

MATCHLIT PORTABLE LAMP

An all purpose indoor lamp for home, store, office, factory, etc. Lights with common match. Brighter than 20 oil lamps. Safe; can't spill. No wick. No smoke. No smell. Easy to operate.

STORM PROOF LANTERN

Lights space 500 ft. sq. Stronger than 100 watt lamp. For farmers, poultrymen, garages, circuses, boathouses, campers, contractors, mining companies, etc. Storm, rain, wind and bug proof. Used by U. S. Army.

LIGHTING SYSTEMS

Buildings lighted complete. All fixtures connected to one tank by small, flexible hollow wire. Outfit shipped complete, so anyone can install. For country homes, stores, etc. Passed by underwriters. Mantles, hollow wire, repair parts, self-heating sad irons, stoves, etc. Write for booklet, "Lights for Isolated Uses," price list, etc.

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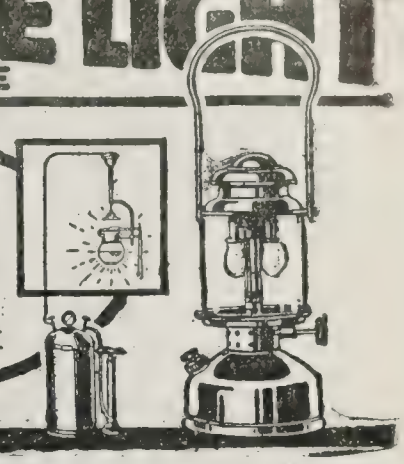


WAXHAM LIGHT COMPANY, 318 W. 46th St., New York


Smith of N. Y. Co., 1 Franklin sq., New York
Turner & Seymour Mfg. Co., Torrington, Conn.

## 7161— Lamps (Car)

Adams & Westlake Co. (All Kinds), 319 W Ontario, Chicago, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Bridgeport Brass Co., Bridgeport, Conn.
Dayton Mfg. Co. (For Steam & Electric Cars), Dayton, O.
Handlan-Buck Mfg Co. (All Kinds), 210-14 N 3d, St. Louis, Mo.
Howard Jas. L. & Co., Hartford, Conn.
Safety Car Heating & Lighting Co., 2 Rector, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Smith of N. Y. Co., 1 Franklin sq., New York
Star Brass Mfg Co., ("Star") 53 Oliver, Boston, Mass.
Star Headlight & Lantern Co. (Oil), Rochester, N. Y.

## 7162—*Lamps (Carbon-Filament)

**GENERAL ELECTRIC CO.** ("Mazda"), Schenectady, N. Y.
*See adv index at end of book*
**WESTINGHOUSE LAMP CO.**, 165 Broadway, New York.

## 7163— Lamps (Carriage)

See also Lamps, Automobile, Gas & Oil

Carey & Co., 246 N 5th, Philadelphia, Pa.
Cowles C. & Co., New Haven, Conn.
De Voursney Bros., 389 Broome, New York
Edmunds & Jones Mfg. Corp., 436 Lawton, Detroit, Mich.
English & Mersick Co., New Haven, Conn.
Fowler Lamp & Mfg. Co. ("Fowler" Electric), 59 E 24th, Chicago, Ill.
Gray & Davis, Boston, Mass.
Indiana Lamp Co., Connersville, Ind.
**MORSE FRANK W.** ("Morse" electric), 289 Congress, Boston, Mass.
*See adv index at end of book*
Porter Co., 241 Water, New York
Rose Mfg. Co. ("Neverout"), 910 Arch, Phila., Pa.
Smith of N. Y. Co., 1 Franklin sq., New York
Superior Lamp Mfg. Co., 136 W 52d, New York
White Mfg. Co., Bridgeport, Conn.

## 7163a—Lamps (Christmas Tree, Electric)

See also Lamps, Battery

Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Wood C. D. Electric Co. ("Blighty") 441 Broadway, New York

## Lamps (Contractors' Portable)

See Contractors' Portable Light

## 7164— Lamps (Derrick)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.

## Lamps (Desk, Electric)

See Lights, Desk, Electric

## 7165— Lamps (Electric)

See also Lamps, Incandescent, Electric and Following Headings; also Lamps, Nitrogen
Paragon Electric Co. (Jobbers), 329 E 5th, New York

## 7166—Lamps (Filament Tube)

Straight Filament Lamp Co. ("Rayline"), 42 E 23rd, New York

## 7167— Lamps (Gasoline)

See also Lamps, Arc Gasoline

Akron Gas Lamp Co., Akron, O.
American Gas Machine Co., Albert Lea, Minn.
Best Light Co. ("Best"), 477 Second, N E, Canton, O.
Canton Incandescent Light Co. ("Canton"), Canton, O.
Coleman Lamp Co. ("O. K.", "Air-O-Lite" Portable Table Lamps), 120 S Los Angeles, Los Angeles, Cal.
Coleman Lamp Co. ("Air-O-Lite" Table Lamp, etc), Wichita, Kan.
Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.
Edison Lamps Works (Edison "Mazda"), Sussex, Harrison, N. J.
Gloria Light Co., 1100 Washington blvd, Chicago, Ill.
Incandescent Light Mfg. Co., Council Bluffs, Ia.
King Light Co. (Self-Lighting), Peoria, Ill.
Knight Light & Soda Fountain Co., 351 W Chicago av, Chicago, Ill.
Lawrence Mfg. Co., 9 S Clinton, Chicago, Ill.
Merkel Herman ("Simplicity"), 511 Elm St. Louis, Mo.
National Stamping & Electric Works, 424 S Clinton, Chicago, Ill.
Powerlight Mfg. Co., 812 B'way, New York
Royal Gas Light Co. ("Royal Gem"), 18 W Kinzie, Chicago, Ill.
Smith of N. Y. Co., 1 Franklin sq., New York
Sun Vapor & Gas Street Light Co. (Incandescent), Canton, O.
Sunshine Safety Lamp Co., 1005 McGee, Kansas City, Mo.
Superior Mfg. Co. (Also Vapor), Ann Arbor, Mich.
Thomas Mfg. Co. (Pressure), Dayton, O.
**WAXHAM LIGHT CO.** (Portable & System), 318 W 46th, New York
*See adv index at end of book*
Yale Light Co. (Portable), 541 W Washington blvd, Chicago, Ill.

## Lamps (Gauge)

See Lamps, Locomotive Gauge

## 7168— Lamps (Gem)

Columbia Lamps Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo.
**GENERAL ELECTRIC CO.** ("Mazda"), Schenectady, N. Y.
*See adv index at end of book*
Packard Lamp Works of G. E. Co. ("Packard"), Warren, O.

## 7169— Lamps (Gravity)

Best Light Co., 477 Second, N E, Canton, O.
Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.

## 7170—Lamps (Hand, Engineers' & Machinists')

Gray, Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Hammer & Co. (Malleable Iron), Branford, Conn.
Huebel Mfg. Co. (Malleable Iron), 103 Monroe, Newark, N. J.
Knapp Mfg. & Supply Co., 241 Water, New York

## 7171— Lamps (Hanging)

Best Light Co., 477 Second, N E, Canton, O.
Bradley & Hubbard Mfg. Co. (Oil), Meriden, Conn.
Dressel Railway Lamp Works (For Office, Station, etc), 3860 Park av, New York
Hammer & Co. ("Hammers" Malleable Iron), Branford, Conn.
Handlan-Buck Mfg. Co. (Railroad Office & Station), 210 14th nr 3d, St. Louis, Mo.
Plume & Atwood Mfg. Co. ("Royal" "Banner" Oil), Waterbury, Conn.
Smith of N. Y. Co., 1 Franklin sq., New York
Tiffany Studios (Special Designs), 361 Madison av, New York

## 7172—Lamps (Household, Brass)

Almond T. R. Mfg. Co. ("Almond Flexo" also floor), Ashburnham, Mass.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
McKee Glass Co., Jeannette, Pa.
Manhattan Brass Co., 332 E 28th, New York
Miller Edward & Co., Meriden, Conn.
Parker Chas. Co., Meriden, Conn.
Pittsburgh Lamp, Brass & Glass Co., 136 7th, Pittsubrgh, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
**SCOVILL MFG. CO.** (Oil), Waterbury, Conn.
*See adv index at end of book*
Standard Oil Co. of N. Y. ("Rayo"), 555 W 25th, New York
Waterbury Brass Goods Corp., Waterbury, Conn.

## 7173-4—Lamps (Household, Glass)

Cambridge Glass Co., Cambridge, Ohio
Central Glass Works, Wheeling, W. Va.

LAMPS (HOUSEHOLD GLASS)—cont'd
Consolidated Lamp & Glass Co., Coraopolis, Pa.
Eagle Mfg. Co., Wellsburg, W. Va.
Fostoria Glass Co., Moundsville, W. Va.
Hemingray Glass Co., Covington, Ky.
Lancaster Glass Co., Lancaster, Ohio
Phoenix Glass Co., 2nd National Bank bldg, Pittsburgh, Pa.
Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.
Sneath Glass Co., Hartford City, Ind.
Tarentum Glass Co., Tarentum, Pa.

## Lamps (Hydro Carbon)

See Lamps, Incandescent, Hydro-Carbon

## 7175—Lamps (Incandescent Electric)

American Electric Lamp Works of G. E. Co. ("American"), Central Falls, R. I.
Banner Electric Works of G. E. Co. ("Banner"), Youngstown, Ohio
Bryan-Marsh Division El. Wks., (National Lamp Works of G. E. Co.), 623 S Wabash av, Chicago, Ill.
Buckeye Electric Works of G. E. Co. ("Buckeye"), 1806 E 45th, Cleveland, Ohio
Candler Elec. Lomp Co., 34 W 37th, New York
Capital Electric Co. ("Hall"), Denver, Colo.
Colonial Electric Works of G. E. ("Colonial"), Warren, Ohio
Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo. bldg, St. Louis, Mo.
Consolidated Electric Lamp Co. ("Champion" Carbon Filament), Danvers, Mass.
Doubleday-Hill Electric Co., 719 Liberty av, Pittsburgh, Pa.
Economical Electric Lamp Div. of G. E. Co. ("Hylo" Turndown), 25 W B'way, New York
Edison Lamp Works of G. E. Co. ("Mazda," "Edison Mazda," "Edison Gem," "Edison Carbon," "Lowatt"), Harrison, N. J.
Fostoria Incandescent Lamp Division of G. E. Co. ("Fostoria"), Fostoria, O.
Franklin Incandescent Lamp Works of Westinghouse Lamp Co. ("Franklin," "Mazda"), Hartford, Conn.
Frink T. P., Inc. ("Linolite"), 10th av & 124th, New York
General Incandescent Lamp Works of G. E. Co. ("G. E."), Electric bldg, Cleveland, O.
Howland Mfg. Co., Malden, Mass.
Hygrade Lamp Co. ("Hygrade"), Salem, Mass.
Independent Lamp & Wire Co., 1733 B'way, New York
International Incandescent Lamp Works, Union Hill, N. J.
Kent Light Store, Newark, N. J.
Kentucky Electrical Co. ("The Kentucky"), Owensboro, Ky.
Liberty Electric Co., 543 4th, Pittsburgh, Pa.
Lux Mfg. Co., 123 E Kinney, Newark, N. J.
Moran & Hastings Mfg. Co. (Portable), 18 W Washington, Chicago, Ill.
National Plastic Relief Co., 330 Main, Cincinnati, Ohio.
Novelty Incandescent Lamp Co. ("Elk"), Emporium, Pa.
Packard Lamp Works of G. E. Co. ("Packard"), Warren, Ohio
Peerless-Brilliant Lamp Division of G. E. Co. ('Peerless Brilliant')', Warren, O.
Rooney F. J. Lamp Co. ("Sun-Star," Turndown, "World," Carbon), Hoboken, N. J.
Shelby Lamp Division of G. E. Co. ("Shelby"), Shelby, Ohio
Standard Electric Lamp Co. ("Shamrock"), 67 Hamilton, Newark, N. J.
Sterling Electric Lamp Works of G. E. Co. ("Sterling"), Warren, Ohio
Sunbeam Incandescent Lamp Works of G. E. Co. ("Sunbeam"), 500 S Clinton, Chicago, Ill.
Sunlight Elec'l Mfg. Co., Warren, O.
Tipless Lamp Co. (Tipped & Tipless Carbon), Emporium, Pa. & Weehawken, N. J.
Walker Henry L. Co., 185 E Jefferson av, Detroit, Mich.
Waterbury-Wallace Co., 100 Lafayette, New York
Western Electric Co. ("Sunbeam"), 463 West, New York
**WESTINGHOUSE LAMP CO.**, 165 B'way, New York
Whitelite Elec. Co., 370 Broome, New York

## Lamps (Incandescent Electric, Car)

See Lamps, Incandescent Electric

## 7176—Lamps (Incandescent Gas)

See also Lamps, Arc, Gas

Best Light Co., 477 Second, N E, Canton, O
Kentucky Electrical Co., Owensboro, Ky.
Kern Burner Co., 217 W 125th, New York
Knight Light & Soda Fountain Co., 351 W Chicago av, Chicago, Ill.
Peerless Light Co. ("Peerless" Inverted & Upright), 663 W Washington Blvd., Chicago, Ill.
Welsbach Gas Lamp Co., 1008 Filbert, Philadelphia, Pa.
Wiederhold Mantle & Burner Co., 131 Winfield av, Jersey City, N. J.

## 7177—Lamps (Incandescent Gasoline)

See also Lamps, Arc, Gasoline

Akron Gas Lamp Co., Akron, O.
Best Light Co., 477 Second, N E, Canton, O
Canton Incandescent Light Co. ("Canton"), Canton, O.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Coleman Lamp Co. ("O K," Chandelier), 120 S Los Angeles, Los Angeles, Cal.
Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.
Incandescent Light Mfg. Co., Council Bluffs, Ia.
National Stamping & Elec. Works, 424 S Clinton, Chicago, Ill.
Royal Gas Light Co. ("Royal Gem"), 18 W Kinzie, Chicago, Ill.
Sun Vapor & Gas Street Light Co., Canton, O.
Tures Mfg. Co ("Turz-Lite"), 394 6th, Milwaukee, Wis.

## 7178—Lamps (Incandescent, Hydro Carbon)

Best Light Co., 477 Second, N E, Canton, O.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.
Superior Mfg. Co., Ann Arbor, Mich.
Waxham Light Co., 318 W 46th, New York
*See adv index at end of book*

## 7179—Lamps (Incandescent, Kerosene)

Am. Gas Machine Co., Inc., Albert Lea, Minn.
Best Light Co., 477 Second, N E, Canton, O.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Waxham Light Co., 318 W 46th, New York
*See adv index at end of book*

## 7180—Lamps (Incandescent Miniature)

Alpha Lamp Co. (Tungsten, Carbon), 113 Grant av, Harrison, N. J.
American Ever Ready Wks. of Nat'l Carbon Co., Thompson av, L. I. City, N. Y.
Berry A. Hall, 71 Murray, New York
Boehm Christian C. (Surgical), Rochester, N. Y.
Boehm H. & Co., Youngstown, O.
Brooklyn Electric Lamp & Novelty Co., 278 Fulton, Brooklyn, N. Y.
Bryan-Marsh Division ("Bryan-Marsh"), National Lamp Works of G. E. Co., 623 S Wabash av, Chicago, Ill.
Chicago Min Lamp Wks., 652 Walker, Chicago, Ill.
Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo.
Consolidated Electric Lamp Co., Danvers, Mass.
Davis Tungsten Lamp Wks., 535 Van Vorst pl, Union Hill, N. J.
Domestic Tungsten Lamp Co., 575 Bergenline av, West N. Y., N. J.
Edison Lamp Wks. of G. E. Co. (Mazda Carbon), Sussex, Harrison, N. J.
Elec. & Glass Spec. Wks., Toledo, O.
Elux Miniature Lamp Division of G. E. Co. ("Elux"), 6 E 39th, New York
Eureka Lamp Co. (For Auto), 424 Columbia, Weehawken, N. J.
Federal Miniature Lamp Division Nat'l Lamp Works of G. E. Co. ("Federal"), 920 S Mich av, Chicago, Ill.
**GENERAL ELECTRIC CO.**, (Carbon Mazda) Schenectady, N. Y.
*See adv index at end of book*
Howard Miniature Lamp Co. (Carbon or Metallic Filament), 487 Orange, Newark, N. J.
Import Sales Co., 27 W 20th, New York
Independent Lamp & Wire Co., 1733 B'way, New York
International Incandescent Lamp Works, Union Hill, N. J.
Interstate Electric Novelty Co. (Carbon, Tungsten), 104 S 4th, Brooklyn, N. Y.
Jaeger H. J. Co. (Nitrogen), 280 Park av, Weehawken, N. J.
Kellogg Switchboard & Supply Co. (Tele. Switchboard), 1066 W. Adams, Chicago, Ill.
Kimball Electric Lamp Co., 42 E 23d, New York
McCandles H. W. & Co. ("Empire"), 406 W 31st, New York
M. & W. Co., 30 Taylor, Springfield, Mass.
Manweiler A. C. Co., Fort Wayne, Ind.
Novelty Inc. Lamp Co., Emporium, Pa.
Oettinger F. W. Corp., 70 E 45th, New York
Peerless-Brilliant Lamp Division of G. E. Co. ("Peerless-Brilliant"), Cleveland, Ohio
Rooney F. J. Lamp Co., Hoboken, N. J.
Safety Elec. Co. (Carbon), 537 N Dearborn, Chicago, Ill.
Standard Elec. Novelty Co. (Tungsten, Carbon), 730 W Randolph, Chicago, Ill.
Tipless Lamp Co. (Tipped & Tipless Carbon), Emporium, Pa., & Weehawken, N. J.
Tulite Auto Bulb Co. (For Auto.), Dime Bk. bldg, Detroit, Mich.
U. S. Inc. Lamp Co. (Tungsten, Nitrogen), Ewing & Clark av, St. Louis, Mo.
Vacuum Glass Co., Lynn, Mass.
Vosburgh Min. Lamp Co. (Tungsten Nitrogen), 289 Valley rd, West Orange, N. J.
Weehawken Tungsten Lamp Co. (Nitrogen), 550 Gregory, Weehawken, N. J.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, E Pittsburgh, Pa.
*See adv index at end of book*
Wood C. D. Electric Co. ("Solus" Imp.), 441 Broadway, New York

## 7181—Lamps (Incandescent, Portable)

American Gas Machine Co., Albert Lea, Minn.
Coleman Lamp Co., Wichita, Kan.
Best Light Co., 477 Second, N E, Canton, O.
Balte Mfg. Co. (Gasoline & Kerosene), 231 N Despe, Chicago, Ill.
Economy Gas Lamp Co., 213 Goodrich Kansas City, Mo.
Goshen Novelty & Lamp Co.,( also Gas), Goshen, Ind.
Knight Light & Soda Fountain Co., 351 W Chicago av, Chicago, Ill.
National Stamping & Elec. Works, 424 S Clinton, Chicago, Ill
Rattan Mfg. Co. (Reed), New Haven, Conn.

## 7182—Lamps (Incandescent Portable Electric)

**MORSE FRANK W.** ("Morse"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Rockford Metal Specialty Co., Rockford, Ill.
Salch Bros., 239 Centre, New York

## 7182a—Lamps (Incandescent, Portable, Floor Electric)

**MORSE FRANK W.** (For Garages), 289 Congress, Boston, Mass.
*See adv index at end of book*

## 7183—Lamps (Incandescent Renewed)

American Appliance Co., Indianapolis, Ind.

Anchor Elec. Co., 557 W Jackson, Chicago, Ill.
**BOSTON ECONOMY LAMP DIV.** ("Boston" Carbon, "Eagle" Tungsten) National Lamp Works of General Electric Co., 43 Hospital, Providence, R. I.
Consolidated Electric Lamp Co. ("Pioneer," "Standard"), Danvers, Mass.
New England Lamp Co., Malden, Mass.
Novelty Incandescent Lamp Co. ("Excel"), Emporium, Pa.
Re-New Lamp Co., Malden, Boston, Mass.
Safety Electric Co., 537 N Dearborn, Chicago, Ill.
Security Elec. Lamp Co., 134 S Clinton, Chicago, Ill.
Standard Electric Lamp Co., 67 Hamilton, Newark, N. J.
V. & D. Elec. Co., Franklin, O.

## 7184—Lamps (Incandescent Street Series)

**GENERAL ELECTRIC CO.**, (Mazda) Schenectady, N. Y.
*See adv index at end of book*
**WESTINGHOUSE LAMP CO.**, 165 Broadway, New York

## 7185—Lamps (Incandescent Vapor Gas)

Best Light Co., 477 Second, N E, Canton, O.
Canton Incandescent Light Co., Canton, O.
Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.
Nat'l Stamping & Electric W'ks ("Nulite"), 424 S Clinton, Chicago, Ill.
Sun Vapor & Gas Street Light Co., Canton, O.
Superior Mfg. Co., Ann Arber, Mich.
Waxham Light Co., 318 W 46th, New York
*See adv index at end of book*

## 7186— Lamps (Incubator)

Kentucky Stamping Co. ("Kentucko"), Louisville, Ky.

## 7187—Lamps (Inverted Gas)

Garwood Gas Lamp & Heater Co. ("Garwood" Arc), Canton, O.
General Gas Light Co. ("Humphrey"), Kalamazoo, Mich.
Matchless Brass Mfg. Co. (Inverted & Upright), 57 Jay, Brooklyn, N. Y.
Risinger Bros. Co. ("Risinger," Arc), East Liverpool, O.
Standard Stamping Co., Huntington, W. Va.
Waxham Light Co., 318 W 46th, New York
*See adv index at end of book*
**Welsbach Gas Lamp Co. ("Welsbach Reflex"), 1008 Filbert, Philadelphia, Pa.**

## 7188—Lamps (Inverted Gasoline)

American Gas Machine Co. ("Hansom" & "American" Hollow Wire System), Albert Lea, Minn.
Best Light Co., 477 Second, N E, Canton, O.
Coleman Lamp Co. ("O. K." System), 120 S Los Angeles, Los Angeles, Cal.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
**Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.**
Knight Light & Soda Fountain Co. (Incandescent Paper), 351 W Chicago av, Chicago, Ill.
**Tures Mfg. Co. ("Turz-Lite"), 394 6th, Milwaukee, Wis.**
Waxham Light Co., 318 W 46th, New York
*See adv index at end of book*

## 7189—Lamps (Kerosene Oil)

Best Light Co. ("Best"), 477 Second, N E, Canton, O.
Home Supply Co., 1411 N Wyandotte, Kansas City, Mo
Knight Light & Soda Fountain Co., 351 W Chicago av, Chicago, Ill.
Powerlight Mfg. Co., 210 5th av, New York
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*
Thomas Mfg. Co. (Pressure), Dayton, O.
**WAXHAM LIGHT CO.** (Mantle), 318 W 46th, New York
*See adv index at end of book*

## 7190—Lamps (Locomotive Gauge)

**Dressel Railway Lamp Works (For Steam or Water Gauge), 3860 Park av, New York**
Fowler Lamp & Mfg. Co. ("Fowler" Electric), 59 E 24th, Chicago, Ill.
**Gray Peter & Sons, Inc. (Water & Steam Gauge, etc), 286 Third, East Cambridge, Mass.**
**Handlan-Buck Mfg. Co., 310-14 N 3d, St. Louis, Mo.**
Knapp Mfg. & Supply Co. (Steam or Water), 241 Water, New York
Porter Co., 241 Water, New York

## Lamps (Malleable Iron)

See Torches, Malleable Iron
Also Lamps Hand, Engineers' & Machinists

## 7191— Lamps (Marine, Oil)

See also Lamps, Automobile; also Projectors or Searchlights
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Bradley & Hubbard Mfg. Co. (Cabin), Meriden, Conn.
Dietz R. E. Co. ("Paragon"), 60 Laight, New York
Dressel Railway Lamp Works (Revolving Deck Caboose), 3860 Park av, New York
Edmunds & Jones Corp. ("E. & J."), 436 Lawton, Detroit, Mich.
Hall C. M. Lamp Co. ("Solar"), Hancock & Rivard, Detroit, Mich.
Miller Edw & Co. (Cabin), Meriden, Conn.
National Marine Lamp Co., Forestville, Conn.
Perkins Marine Lamp Co., 1943 Pitkin av, B'klyn, N. Y.
Porter Co., 241 Water, New York
Russell & Stoll Co. (Cabin & Signal), 17 Vanderwater, New York
Russell & Watson (Signal), 225 Washington, Buffalo, N. Y.

## 7192-3— Lamps (Mazda)

Bryan-Marsh Division ("Bryan-Marsh" Drawn Wire), (National Works of G. E. Co.), 623 Wabash av, Chicago, Ill.
**COLONIAL SUPPLY CO.**, 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo.
Fostoria Incandescent Lamp Division of G. E. Co. ("Fostoria," Drawn Wire), Fostoria, O.
Franklin Incandescent Lamp Works of Westinghous Lamp Co. ("Franklin," "Mazda"), Hartford, Conn.
**GENERAL ELECTRIC CO.** ("G. E. Co."), Schenectady, N. Y.
*See adv index at end of book*
National Lamp Works of G. E. Co., Nela Park, Cleveland, O.
Packard Lamp Works of G. E. Co. ("Packard" Mazda & Gem), Warren, O.
Peerless-Brilliant Lamp Division of G. E. Co. ("Peerless-Brilliant"), Warren, O.
Shelby Lamp Division of G. E. Co. ("Shelby"), Shelby, O.
Sterling Electric Lamp Works of G. E. Co. ("Sterling" Drawn Wire), Warren, O.
**WESTINGHOUSE LAMP CO., 165 B'way, New York**

## 7194—Lamps (Mercury Vapor)

**COOPER & HEWITT ELECTRIC CO.** ("Cooper-Hewitt"), 8th & Grand, Hoboken, N. J.

## 7195—Lamps (Metallized-Filament)

**WESTINGHOUSE ELECTRIC & MFG CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
**WESTINGHOUSE LAMP CO., 165 B'way, New York**

## 7195a— *Lamps (Mill)

Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.

## 7195b— *Lamps (Mine)

Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.

## 7196—Lamps (Mine, Acetylene)

Amer. Lava Corp. Chattanooga, Tenn.
***See adv index at end of book***
Dewar Mfg. Co., 30 35th, B'klyn, N. Y.
Hardsocg Martin Co. (Acetylene), 922 South av, Pittsburgh, Pa.
Harker Mfg. Co. ("American Bulldog"), 121-123 W Third, Cincinnati, O.
*See adv index at end of book*


MINERS' LAMPS
Carbide Miners' Cap Lamps
" American Bull Dog " Brand
HARKER MFG. CO.
CINCINNATI, O.


Hughes Bros. ("Pathfinder"), Scranton, Pa.
Justrite Mfg. Co. ("Justrite"), 2061 Southport av, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Milburn A. Alexander Co., 1420 W Baltimore, Baltimore, Md.
Shanklin Mfg. Co., Springfield, Ill.
**Union Carbide Sales Co., 42d st bldg., New York**
Wolf Safety Lamp Co. of America, **("Wolf"), 80 Washington, New York**

## 7197—Lamps (Miners', Electric)

Concordia Safety Lamp Co., Fulton bldg, Pittsburgh, Pa.
Edison Storage Battery Co., Orange, N. J.
Hirsch Electric Mine Lamp Co. ("Hirsch"), 314 N 12th, Phila., Pa.
Wolf Safety Lamp Co. of America ("Wolf"), 227 Grand av, Brooklyn, N. Y.

## 7198—Lamps (Miners' Oil & Sunshine)

Anton Geo. T. & Bro., Monongahela, Pa.
Trethaway Bros., Parsons, Pa.

## 7199—Lamps (Miners' Safety)

Ackroyd & Best (Ltd.), Arrott Power bldg, Pittsburgh, Pa.
**AMERICAN SAFETY LAMP & MINE SUPPLY CO.** ("Davy," "Clanny," "Marsaut," "Beard-Deputy," "Wolf-Type"), Scranton, Pa.
Anton Geo. T. & Bro. ("Star," "Globe," "Eagle"), Monongahela, Pa.
Dunlap John Co. ("Dunlap's" Seamless), Carnegie, Pa.
Everhart Brass Works, Scranton, Pa.
Grier Bros. Co. "Star" Carbide), 124 2d av, Pittsburgh, Pa.
**Handlan-Buck Mfg. Co. (Clany & Davy), 210-14 N 3d, St. Louis, Mo.**
Hardsocg Mfg. Co. ("Black Diamond"), Ottumwa, Ia.
Harker Mfg. Co. ("Brite-Lite" Cap), 121-123 W Third, Cincinnati, O.
*See adv index at end of book*
Hughes Bros., Scranton, Pa.
Irving Mfg. & Tool Co., 157 Chambers, New York
Jones T. R. Co. ("Black Diamond"), Wilkes-Barre, Pa.
Justrite Mfg. Co. ("Matchless Justrite"), 2061 Southport av, Chicago, Ill.
Koehler Mfg. Co. ("Koehler"), Marlboro, Mass.
McCoy Joseph F. Co. ("Davis" Imported), 157 Chambers, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**Portable Electric Safety Light Co. ("Hubbell" Electric Safety), 10 Johnson, Newark, N. J.**
Standard Oil Co. ("Miner's Sunshine"), 555 W 25th, New York
Tunnessen Mfg Co., Hazelton, Pa.
**United Lamp Co., Meyers bldg, Springfield, Ill.**
What Cheer Tool Co. (Carbide & Oil), What Cheer, Ia.
Wissler A., B'way & Wash. av, St. Louis, Mo.
Wolf Safety Lamp Co. of America ("Wolf"), 227 Grand av, B'klyn, N. Y.

## 7200— Lamps (Mission)

Brown W. B. Co., Bluffton, Ind.
Goshen Novelty & Lamp Co., Goshen, Ind.
Lamb Bros. & Greene, Nappanee, Ind.

LAMPS (MISSION)—continued

Limbert Chas. P. Co., Holland, Mich.
Peterson Art Furniture Co., Fairbault, Minn.

## 7200a— Lamps (Motor)

See Lamps also Automobile, Gas & Oil Also Headlights, Automobile

Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.

## 7201— *Lamps ("Nernst")

**NERNST LAMP CO.**, Fayette & Garrison pl, Pittsburgh, Pa.

## 7202— Lamps (Night)

Chandlee H. P. Sons Co., 114 W Lombard, Baltimore, Md.
McFaddin H. G. & Co. (Glow), 38 Warren, New York
Plume & Atwood Mfg. Co., Waterbury, Conn.
Silver & Co. ("Little Beauty" Kerosene), 304 Hewes, Brooklyn, N. Y.

## 7202a— Lamps (Nitrogen)

Acme Lamp Works, 65 Cambridge av, Jersey City, N. J.
Am. Appliance Co. (Standard), Indianapolis, Ind.
Candler Elec. Lamp Co., 34 W 37th, New York
Edison Lamp Works of G E. Co., Sussex, Harrison, N. Y.
Friedlander Oscar Co. (Standard), 40 Murray, New York
Gen'l Elec. Co., Schenectady, N. Y.
*See adv index at end of book*
Hygrade Lamp Co. (Standard), Salem, Mass.
Independent Lamp & Wire Co. (Standard), 1733 B'Way, New York
Jaeger H. J. Co. (Miniature), 280 Park av, Weehawken, N. Y.
McBandless H. W. & Co. (Miniature), 406 W. 31st, New York
Nitrogen Elec. Co. (Standard), 36 Spring, Newark, N. J.
Novelty, Inc., Lamp Co., Emporium, Pa.
Strutt Wm., Paterson, N. J.
Triumph Lamp Wks. (Standard), 149 Palisade av, Union Hill, N. J.
U. S. Inc. Lamp Co. (Standard & Miniature), Ewing & Clark av, St. Louis, Mo.
Victor Lamp Wks., 507 Union pl, Union Hill, N. J.
Vosburg Miniature Lamp Co., 289 Valley rd, West Orange, N. J.
Weehawken Tungsten Lamp Co. (Miniature), 550 Gregory, Weehawken, N. J.
Whitelite Elec. Co. (Standard), 368 Broome, New York

## 7203— Lamps (Orchestra)

McLeod, Ward & Co. ("Ward"), 430 11th av, New York

## Lamps (Oven)

See Illuminators, Oven

## Lamps (Photo-Engraving)

See Lamps, Arc, Photo-Engraving

## 7204— Lamps (Photometer)

American Meter Co. ("Elliott" & "Pentane"), 3112 N 17th, Phila., Pa.

## 7205— Lamps (Pier Head)

Porter Co., 241 Water, New York

## Lamps (Pocket, Electric)

See Flashlights, Electric Lamp & Lantern

## Lamps (Portable Gasoline)

See Lamps, Incandescent, Portable

## 7206— Lamps (Quartz)

Cooper-Hewitt Electric Co., Hoboken, N. J.
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

**HANOVER CHEMICAL & MFG. CO.**, 100 Chestnut, Newark, N. J.
R. U. C. Co., Inc., 165 B'way, New York

## 7207— Lamps (Railway)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
Dayton Mfg. Co., Dayton, O.
Dewey F. O. Co., 28 Canal, Boston, Mass.
Dietz R. E. Co. (Track Walkers, Car Inspectors, Conductors, etc), 60 Laight, New York
Dressel Railway Lamp Works, 3860 Park av, New York
Edison Lamp Works ("Edison Mazda" Train Lighting"), Sussex, Harrison, N. J.
Embury Mfg. Co. (Inspectors Lamps), Warsaw, N. Y.
Gray Peter & Sons (Conductors' Signal, Switch Tail, etc.), 286 Third, East Cambridge, Mass.
Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.
Sherburne & Co., 53 Oliver, Boston, Mass.
Smith of N. Y. Co., 1 Franklin sq., New York
Star Headlight & Lantern Co., Rochester, N. Y.

## 7208—Lamps (Semaphore Signal)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
Dressel Railway Lamp Works (Steel & Tinned), 3860 Park av, New York
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg. Co., 210 14th nr 3d, St. Louis, Mo.
Rochester Headlight Works (Jas. H. Kelly, propr.), Rochester, N. Y.
Star Headlight & Lantern Co., Rochester, N. Y.

## 7208a— *Lamps (Sign)

Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.

## 7209— Lamps (Signal)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co., 447 W 53d, New York
Dayton Mfg. Co., Dayton, O.
Dressel Railway Lamp Works (Automatic Engine & "Hurculean," "Fassett" & Electric Route, etc), 3800 Park av, New York
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Grand Rapids Brass Co. (Automobile Tail), Grand Rapids, Mich.
*See adv index at end of book*
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
MacLeod Co. (Pier), 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Raydex Mfg. Co., Inc., Brackenridge, Pa.
Rochester Headlight Wks. (Jas. H. Kelly, propr.), Rochester, N. Y.
Porter Co., 241 Water, New York
Smith of N. Y., 1 Franklin sq, New York
Star Headlight & Lantern Co., Rochester, N. Y.

## 7210— Lamps (Station)

Armspear Mfg. Co., 447 W 53d, New York
Chandlee H. P. Sons Co., 114 W Lombard, Baltimore, Md.
Defiance Lantern & Stamping Co., Rochester, N. Y.
Dressel Railway Lamp Works, 3860 Park av, New York
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg Co., 210 14 nr 3rd, St. Louis, Mo.
National Marine Lamp Co., Forestville, Conn.
Pritchard Stamping Co., Rochester, N. Y.
Smith of N. Y. Co., 1 Franklin sq, New York

## 7211— Lamps (Street)

American Gas Machine Co. ("Hanson" & "American," Gasoline), Albert Lea, Minn.
Best Light Co., 477 Second, N E, Canton, O.
Biddle-Gaumer Co., 3846 Lancaster av, Philadelphia, Pa.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Defiance Lantern & Stamping Co., Rochester, N. Y.
Dietz R. E. Co., 60 Laight, New York
Dressel Railway Lamp Works (Gas or Oil), 3860 Park av, New York
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Embury Mfg. Co. (Globe, Oil), Warsaw, N. Y.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Handlan-Buck Mfg. Co., 210 14th nr 3d, St. Louis, Mo.
Kitson Hydro-Carbon Heating & Incandescent Lighting Co., 2819 Oakford, Philadelphia, Pa.
Miner Thos. T. W. ("Miner"), 821 Eagle av, New York
Penna Globe Gas Light Co., 1934 Market, Phila., Pa.
Pritchard Stamping Co., Rochester, N. Y.
Smith of N. Y. Co., 1 Franklin sq, New York

## 7212— Lamps (Switch)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co., 447 W 53rd, New York
Dayton Mfg. Co., Dayton, O.
Dewey F. O., Co., 28 Canal, Boston, Mass.
Dressel Railway Lamp Wks (Steel & Tinned), 3860 Park av, New York
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Gray Peter & Sons, Inc., 286 Third, E Cambridge, Mass.
Handlan-Buck Mfg. Co., 210-14 N 3rd, St. Louis, Mo.
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.
Sherburne & Co., 53 Oliver, Boston, Mass.
Star Headlight & Lantern Co., Rochester, N. Y.

## 7213-4— Lamps (Table)

Almond T. R. Mfg. Co. ("Almond" Flexo-Electric, Ashburnham, Mass.
**AMERICAN GAS MACHINE CO., INC.** (Gasoline & Kerosene), 78 Reade, New York
Armor Bronze Co. (Electric), 236 5th av, New York
Best Light Co., 477 Second, N E, Canton, O.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Coleman Lamp Co. ("Coleman"), Wichita, Kan.
Dressel Railway Lamp Works ("Belgian" Stand for Desk or Ticket Office), 3860 Park av, New York
Imperial Glass Co., Bellaire, Ohio
Jefferson Glass Co. (Electric), Follansbee W. Va.
Kramer Bros. Lamp Co., Inc., 585 Broadway, New York
Miller Edw. & Co., Meriden, Conn.
National Plastic Relief Co. (Electric), 330 Main, Cincinnati, O.
Pairpoint Corporation, New Bedford, Mass
Parker Chas. Co. (Electric, Gas & Oil), Meriden, Conn.
Penn. Wheelbarrow Co., 4741 Kansas, Pittsburgh, Pa.
Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Schroeder Edw. Lamp Works, 716 Jersey av, Jersey City, N. J
Standard Oil Co. of N. Y. ("Rayo" Oil), 555 W 25th, New York
Waxham Light Co. (Gasoline & Kerosene), 318 W 46th, New York
*See adv index at end of book*
Wreisner Bros., Dassel, Minn.

## 7215— Lamps (Tantalum)

Buckeye Electric Works of G E. Co. ("Buckeye"), 1806 E 46th, Cleveland, Ohio

Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo.
Federal Miniature Lamp, Division Nat'l Lamp Works, G. E. Company, (Miniature), 920 S Mich. av, Chicago, Ill.
**WESTINGHOUSE LAMP CO.**, 165 B'way, New York

## 7215a— Lamps (Therapeutic)

Betz-Frank S. Co., Hammond, Ind.
Cooper-Hewitt Elec. Co., Hoboken, N. J.
Edison Lamp Works ("Edison Mazda"), Sussex, Harrison, N. J.
Fischer H. G. & Co., 2341 Wabansia av, Chicago, Ill.
Hanovia Chemical & Mfg. Co., 233 N. J. R. R. av, Newark, N. J.
Kny-Scheerer Co., 404 W 27th, New York
Lindstrom-Smith Co., 3212 W Lake, Chicago, Ill.
McFaddin H. G. & Co. ("Thermolite"), 38 Warren, New York
Meyer Wm. Co., 1644 Girard, Chicago, Ill.
Pitts Elec. Specialties Co., Ross & 1st av, Pittsburgh, Pa.
Schwartz S. Robert & Bro., 729 Broadway, New York
Vioray Mfg. Co., 915 Whitlock av, New York
Wapper Elec. Co., 187 Harris av, Long Island City, N. Y.
Western Coil & Electrical Co., ("Vi-Ray-O"), Racine, Wis.

## Lamps (Torch)

See Torches, Hand

## 7216— Lamps (Tungsten)

**Alpha Lamp Co. (Carbon), 113 Grant av, Harrison, N. J.**
**Buckeye Electric Works of G. E. Co.** ("Buckeye"), 1806 E 45th, Cleveland, Ohio
Columbia Lamp Division the Nat'l Lamp Works of G. E. Co. ("Columbia"), Title Guaranty bldg, St. Louis, Mo.
**Consolidated Electric Lamp Co. ("Champion"), Danvers, Mass.**
**Davis Tungsten Lamp Wks., 535 Van Vorst pl, Union Hill, N. J.**
Domestic Tungsten Lamp Co., 418-20 10th, W. New York, N. J.
**Fostoria Incandescent Lamp Division of G. E. Co. ("Fostoria"), Fostoria, O.**
Franklin Incandescent Lamp Works of Westinghouse Lamp Co. ("Franklin"), Hartford, Conn.
**General Illuminating Co. ("Gico" Imp),** 47 Green, New York
Howard Miniature Lamp Co. (Carbon), 487 Howard, Newark, N. J.
**Hygrade Lamp Co. ("Hygrade" Vacuum & Gas Filled), Salem, Mass.**
Import Sales Co., 27 W 20th, New York
**Independent Lamp & Wire Co. (& Nitrogen Gas), 1733 B'way, New York**
Kentucky Electrical Co., Owensboro, Ky.
Laco-Phillips Co., 131 Hudson, New York
Lux Mfg. Co. ("Flexible"), 123 E Kinney, Newark, N. J.
**M. & W. Co., 30 Taylor, Springfield, Mass.**
Metalyte Co., 366 W 15th, New York
Novelty Inc. Lamp Co., Emporium, Pa.
**Phila. Electrical & Mfg. Co. ("Penco" Arc), 1236 N 31st, Phila., Pa.**
Rooney F. J. Lamp Co., 257 14th, Hoboken, N. J.
Shelby Lamp Division of G. E. Co. ("Shelby"), Shelby, Ohio
**Standard Elec. Novelty Co. (Carbon), 730 W Randolph, Chicago, Ill.**
**Sterling Electric Lamp Works of G. E. Co.** ("Sterling"), Warren, Ohio
Strutt, Wm., Paterson, N. J.
**Sunbeam Incandescent Lamp Works of G. E. Co. ("Sunbeam"), 500 S Clinton, Chicago, Ill.**
U. S. Inc. Lamp Co. (Nitrogen), Ewing & Clark av, St. Louis, Mo.
Vacuum Glass Co. ("Convolt"), Lynn, Mass.
Vosburgh Min. Lamp Co. (Nitrogen), 289 Valley rd, West Orange, N. J.
Weehawken Tungsten Lamp Co. (Nitrogen), 550 Gregory av, Weehawken, N. J.
**WESTINGHOUSE ELEC. & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 7216a—*Lamps (Tungsten Renewed)

**BOSTON ECONOMY LAMP DIV.** National Lamp Works of General Electric Co. ("Eagle"), 43 Hospital, Providence, R. I.

## 7217—Lamps (Turn Down Electric)

Economical Electric Lamp Div. of G. E. Co. ("Hylo-Economical"), 25 W B'way, New York
Rooney F. J. Lamp Co. ("Sun Star"), Hoboken, N. J.

## 7218— Lamps (Vapor)

Best Light Co., 477 Second, N E, Canton, O.
**New York Stamping Co. ("Express"), N 11th & Berry, Brooklyn, N. Y.**
Superior Mfg. Co., Ann Arbor, Mich.
Ulfers Mfg. Co. ("Perfection" Kerosene Burning Lamps), Freeport, Ill.

## 7219— Lances (Corn)

**Murphy's Robt. Sons Co., Ayer, Mass.**

## 7219a— Lanolin

Greeff R. W. & Co., 78 Front, New York
Hummel & Robinson, 26 Cortlandt, New York
Merck & Co., 45 Park pl, New York
Sirch C. W., Los Angeles, Cal.

## 7220— Lanterns (Acetylene)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Milburn & Alexander Co., 1420 W Baltimore, Baltimore, Md.

## Lanterns (Artistic Wrought Iron & Bronze)

See Lamps, Artistic Bronze & Wrought Iron

## 7221— Lanterns (Bicycle)

Bridgeport Brass Co. ("Search-Light" Oil & Gas), Bridgeport, Conn.
Miller Edw. & Co., Meriden, Conn.

## 7222—Lanterns (Brass & Tin)

American Gas Machine Co. (Brass Nickeled American), Albert Lea, Minn.
Armspear Mfg. Co., 447 W 53d, New York
Plume & Atwood Mfg. Co. ("Ichabod"), Waterbury, Conn.
Universal Metal Spinning & Stamping Co., 69 Wooster, New York

## 7223— Lanterns (Candle)

Kraft A. C. ("Eldnac"), 323 W Lake, Chicago, Ill.
Porter Co., 241 Water, New York

## 7224—Lanterns (Dash Board)

Defiance Lantern & Stamping Co., Rochester, N. Y.
Embury Mfg. Co., Warsaw, N. Y.
Lisk Mfg. Co. (Ltd.) ("Lisk," Hot Blast), Canandaigua, N. Y.
Porter Co., 241 Water, New York
Pritchard Stamping Co., Rochester, N. Y.
Smith of N. Y. Co., 1 Franklin sq, New York

## 7225— Lanterns (Electric)

Beacon Electric Works ("Friars"), 132 King, New York
Federal Sign System, 8700 State, Chicago, Ill.
Hytee's Factories, Inc. ("Two-Cell"), Indianapolis, Ind.
Inland Electric Co., 16 N Franklin, Chicago, Ill.
Jenks Lantern Co. ("Jenks"), 208 N 5th av, Chicago, Ill.
**MANHATTAN ELECTRICAL SUPPLY CO.** ("Mescolite," "Dark Room"), 17 Park pl, New York
*See adv index at end of book*
Portable Electric Safety Light Co. (Hand), 18 Johnson, Newark, N. J.
Stewart-Skinner Co., Worcester, Mass.

## 7226—Lanterns (Eye Testing)

Gray Peter & Sons (Inc.), 286 Third, East Cambridge, Mass.

## 7226a—Lanterns (Gasoline & Kerosene)

See also Lamps

**AMERICAN GAS MACHINE CO., INC.**, 78 Reade, New York
**WAXHAM LIGHT CO.**, 318 W 46th, New York *See adv index at end of book*

## 7227— Lanterns (Japanese)

Kyoto Mfg. & Trading Co., 31 E 17th New York
Morimura Bros., 55 W 23d, New York

## 7228— Lanterns (Police)

Knapp Mfg. & Supply Co. ("Bull's Eye"), 241 Water, New York
National Enameling & Stamping Co., 411 5th av, New York
Smith of N. Y. Co., 1 Franklin sq, New York

## 7229— Lanterns (Railway)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Armspear Mfg. Co. (Wire & Steel Guard), 447 W 53d, New York
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Dayton Mfg. Co., Dayton, O.
Defiance Lantern & Stamping Co., Rochester, N. Y.
Dewey F. O. Co., 28 Canal, Boston, Mass.
Dietz R. E. Co., 60 Laight, New York
Dressel Railway Lamp Works, 3860 Park av, New York
Gray Peter & Sons, Inc. (Conductors, Signal, Switch, Tail, etc), 286 Third, East Cambridge, Mass.
Handlan, Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Keystone Lantern Co. ("Casey"), Tacony & Cottman, Phila., Pa.
Pritchard Stamping Co., Rochester, N. Y.
Rochester Head Light Works (Jas. H. Kelly, Prop.), (oil or electric), Rochester, N. Y.
St. Louis Lantern Co., 18 Lucas av, St. Louis, Mo.
Smith of N. Y. Co., 1 Franklin sq, New York
Standard Oil Co. of N. Y., 555 W 25th, New York
Star Headlight & Lantern Co., Rochester, N. Y.
Tufts National Meter Co., 455 Commercial, Boston, Mass.

## 7230—Lanterns (Tubular, Etc.)

**Acorn Brass Mfg. Co. ("Uni-Lite" Kerosene Oil or Gasoline), 426 S Clinton Chicago, Ill.**
**American Gas Machine Co., Albert Lea, Minn.**
Best Light Co. ("Best Hand"), 477 Second, N. E., Canton, O.
Buhl Stamping Co., Scotten & M. C. R. R., Detroit, Mich.
Burchwell Mfg. Co. ("Bright Eye"), Pontiac bldg, St. Louis, Mo.
**Defiance Lantern & Stamping Co., Rochester, N. Y.**
Dietz R. E. Co., 60 Laight, New York
**Economy Gas Lamp Co. (Gasoline), 213 Goodrich, Kansas City, Mo.**
Glens Falls Lantern Co. Glens Falls, N. Y.
**Keystone Lantern Co.** ("Casey"), Tacony & Cottman, Phila., Pa.
Knight Light & Soda Fountain Co., 351 W Chicago av, Chicago, Ill.
Lisk Mfg. Co. (Ltd.), ("Lisk," Cold Blast), Canandaigua, N. Y.
National Marine Lamp Co., Forestville, Conn.
Pritchard Stamping Co. ("Prisco"), Rochester, N. Y.
Standard Oil Co. of N. Y., 555 W 25th, New York
Thomas Mfg. Co. (Oil), Dayton, O.
Tures Mfg. Co. (Gasoline), 394 6th, Milwaukee, Wis.
**WAXHAM LIGHT CO.** (Gasoline), 318 W 46th, New York
*See adv index at end of book*
Wheeling Stamping Co. ("Paull's Leader," Cold & Hot Blast, also Short Globe Cold Blast), Wheeling, W. Va.
Yale Light Co. (Gasoline), 541 Washington blvd, Chicago, Ill.

## 7230a—Lards & Cutting Lubricants

Southern Cotton Oil Co., 120 Broadway, New York
Stuart D. A. & Co., 2733 S Troy, Chicago, Ill.
Swan & Finch Co, ("Acme" "Mystic" "Alpha"), 165 B'way, New York

## 7231— Lariats

Diamond Whip Co. ("Mustang" & "Diamond" Rope), 406 N Curtis, Chicago, Ill.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Samson Cordage Works, Broad, Boston, Mass.
Tubbs Cordage Co. ("Broncho Brand" & "Life Line"), Kohl Bldg, San Francisco, Cal.

## 7232— Larries

Alliance Machine Co., Alliance, Ohio
Anderson W. H. Tool & Supply Co. (For Stone & Timber), 184 Brush, Detroit, Mich.
Atlas Car & Mfg. Co. (Electric Car), Cleveland, O.
*See adv index at end of book*
Connellsville Mach. & Car Supply Co., Connelsville, Pa.
Heimick Foundry & Machine Co. (Coke Oven Charging), Fairmont, W. Va.
**JEFFREY MFG. CO.** (Coke Ovens), 961 N Fourth, Columbus, O.
*See adv index at end of book*
Johnson & Thompson (Coke), Birmingham, Ala.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Lucey Fdry. & Machine Co. (Coke), Chattanooga, Tenn.
Marion Machine Fdry & Supply Co. (Electric Coal & Coke Oven Charging), Marion, Ind.
Niles Mine & Mill Supply Co., Cleveland, O.
Phillips Mine & Mill Supply Co. (Coke Oven), 2227 Jane, Pittsburgh, Pa.
Specialty Engineering Co., Trenton & Allegheny, Phila., Pa.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 7233— Lashes (Leather)

Bardall J. C. Co. (Buckskin, Georgia Ox, etc.), Moundsville, W. Va.
Diamond Whip Co. (& Rawhide), 406 N Curtis, Chicago, Ill.
Raniville F. Co. (Whip), Grand Rapids, Mich.

## 7234— Latches (Barn Door)

Albany Hardware Specialty Mfg. Co. ("Whitcomb"), Albany, Wis.
Allith-Prouty Co. ("Prouty"), Danville, Ill.
Arcade Mfg. Co. ("Rex"), Freeport, Ill.
Aurora Door Hanger & Spec. Co., Aurora, Ill.
Bolles Wm. B., Post Office Box 600 M. Milwaukee, Wis. *See adv index at end of book*
Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burgess & Norton Mfg. Co. ("Bur-Nor"), Geneva, Ill.
Corbin P. & F., New Britain, Conn.
Cronk & Carrier Mfg. Co. (Steel), 150 Lake, Elmira, N. Y.
*See adv index at end of book*
Diehl Novelty Co. ("Diehl"), Glenbeulah, W
Frantz Mfg. Co. ("Positive"), Sterling, Ill.
Grey Iron Casting Co., Mt. Joy, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel Japanned), St. Louis, Mo.
Hammer & Co. ("Boynton," Branford, Conn.
Hardware Specialty Mfg. Co. ("H. W." for Barn, Box Stalls, Corn Cribs etc.), Anderson, Ind.
Hunt, Helm, Ferris & Co. ("Harvard" & "Star" Automatic), Harvard, Ill.
Lawrence Bros. (Automatic & Regular), Sterling, Ill.
National Mfg. Co. (All Steel), Sterling, Ill.
Peck C. A. Hardware Co. ("Gem," "Security," "Jewell"), Berlin, Wis.
Penn Hardware Co., Reading, Pa.
Porter J. E. Co., Ottawa, Ill.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safety Door Hanger Co., Ashland, O.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS** (also Garage), New Britain, Conn.
*See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.
Wagner Mfg. Co. ("Daisy"), Cedar Falls, Ia.
Weller Hdwre. & Fdry. Co., Horseheads, N. Y.
Wrightsville Hdw. Co. (Wrought), Wrightsville, Pa.

## Latches (Cupboard)

See Catches, Cupboard, Screen Door, etc

## 7234a— Latches (Door)

Bolles Wm. B. (Automatic Release, Two Point, Mortise, Fire Exit, Dead Locking Knob, Spring Actuated), P. O. Box 600, M. Wilwaukee, Wis.
*See adv index at end of book*

## 7235-6—Latches (Fire Door)

Aurora Door Hanger & Spec. Co., Aurora, Ill.
Bolles Wm. B., P. O. Box 600, M, Milwaukee, Wis. *See adv index at end of book*
Brewer Bros. Co. (Wrought, for Sliding Fire Door), 2nd & Somerset, Phila., Pa.
Peters Jas. & Son ("Wrought" Iron), 1934 N Front, Phila., Pa.
Richards-Wilcox Mfg. Co. (Steel), Aurora, Ill.
Slaymaker Lock Co., Lancaster, Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
Stowell Co. The, S Milwaukee, Wis.
Vonnegut Hardware Co. ("Von Duprin"), 120 E Washington, Indianapolis, Ind.

## 7237— Latches (Gate)

Allith-Prouty Co. ("Allith," for Gate Cold Storage Door, etc), Danville, Ill.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Auer Jno. Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought, with Catch & Staple), 2nd & Somerset, Phila., Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chantrell Hardware & Tool Co., Reading, Pa.
Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
Dent Hardware Co. (Secret), Fullerton, Pa.
Duffy Mfg. Co. ("Chicago"), 214 W Grand av, Chicago, Ill.
Grey Iron Casting Co. ("Donegal"), Mt. Joy, Pa.
Penn Hardware Co, Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*
Susquehanna Casting Co., Wrightsville, Pa.
Weller Hdwe. & Fdry. Co., Horseheads, N. Y.
Western Brass Mfg. Works (Reversible Office, etc), Marshall blvd & W 21st, Chicago, Ill.
Wrightsville Hardware Co. ("Shepard's" "St. Louis" Pattern, etc), Wrightsville, Pa.

## 7238— Latches (Lavatory)

Chicago Spring Butt Co. (Door), 1500 Carroll .av, Chicago, Ill.

## 7238a— Latches (Lever)

Bolles Wm. B., P. O. Box 600, M. Milwaukee, Wis.
*See adv index at end of book*

## 7239— Latches (Night)

Bohannan Wilson, 760 Lexington av, B'klyn, N. Y.
Bolles Wm. B., P. O. Box 600, M. Milwaukee, Wis.
*See adv index at end of book*
Chantrell Hardware & Tool Co., Reading, Pa.
Climax Co., 275 Passaic, Newark, N. J.
Corbin P. & F., New Britain, Conn.
Deitz Alonzo E. (Tubular Run, Mortise, etc), 73 Clymer, Brooklyn, N. Y.
Eagle Lock Co., Terryville, Conn.
Fraim E. T. Lock Co. ("Keystone" & "Fraim"), Lancaster, Pa.
Huber Mfg. Co. ("Huber," "Gibraltar," "Victor," "Barnes"), 417 E 93d, New York
Miller J. Walter Co., Lancaster, Pa.
Miller Lock Co. ("Champion," "Lincoln" & "Miller" Run), 4523 Tacony, Phila., Pa.
Penn Hardware Co. ("Heizmann"), Reading, Pa.
Romer & Co., 275 Passaic, Newark, N. J.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y. *See adv index at end of book*
Skillman Hardware Mfg. Co., Trenton, N. J.
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co., Stamford, Conn.

## 7240—Latches (Refrigerator)

Allith-Prouty Co. ("Allith"), Danville, Ill.
Arcade Mfg. Co., Freeport, Ill.
Brainerd Mfg. Co., East Rochester, N. Y.
Dent Hardware Co., Fullerton, Pa.
Dunn Mfg. Co., Mankato, Minn.
Greene, Tweed & Co., 109 Duane, New York
National Refrigerator Co., 827 Koeln av, St. Louis, Mo.
Payson Mfg. Co. ("Universal"), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Tiebout W. & J., 118 Chambers, New York
Western Brass Mfg. Works (Brass, Bronze & Malleable Iron, Japanned), Marshall blvd & W 21st, Chicago, Ill.

## 7241—Latches (Screen & Storm Door)

Corbin P. & F., New Britain, Conn.
Watrous Acme Mfg. Co., Des Moines, Ia.

## 7242— Latches (Shutter)

Western Brass Mfg. Works (Brass & Bronze), Marshall blvd. & W 21st, Chicago, Ill.

## Latches (Sliding Door)

See Locks & Latches, Sliding Door

## 7243— Latches (Spring)

Bolles Wm. B., P. O. Box 600, M. Milwaukee, Wis.
*See adv index at end of book*
Hardware Supply Co., Grand Rapids, Mich.

## Latches (Thumb)

See Latches, Gate

## 7244—Latches (Water Closet)

Corbin P. & F., New Britain, Conn.
Ives H. B. Co., New Haven, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.

## 7245-6—Lath Binders & Trimmers

American Sawmill Machinery Co., Hackettstown, N. J.
Butterworth & Lowe (Combined), Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Diamond Iron Works, 2nd & 18th, Av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*

Lane Mfg. Co., Montpelier, Vt.
Lyon Iron Works, Greene, N. Y.
Mitts & Merrill, Saginaw, Mich.
Murray D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co. (Lath Bundler), Eau Claire, Wis.
Standard Saw Mill Machy. Co., Erie, Pa.
Wickes Bros., Saginaw, Mich.

## Lath Bolters

See Lath Mills & Bolters

## 7247— Lath (Expanded Metal)

Berger Mfg. Co. ("B. B."), Canton, O.
Bostwick Steel Lath Co., Niles, O.
Consolidated Expanded Metal Co.'s, Braddock, Pa.
Corrugated Bar Co., Mutual Life bldg Buffalo, N. Y.
Dexter Metal Mfg. Co., 93 Arch, Camden N. J.
Eastern Expanded Metal Co., 65 Franklin Boston, Mass.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Expanded Metal Engineering Co., 8 W 40th, New York
Fireproof Products Co., 257 E 133rd, New York
General Fireproofing Co. ("Herringbone," "Key"), Youngstown, O.
Halloway Expanded Metal Co., 515 2d San Francisco, Cal.
Hastings Foundry & Iron Works, Hastings, Neb.
Igoe Brothers (& Perforated Metals), Canal & Lafayette, New York
*See adv index at end of book*
Milwaukee Corrugating Co. ("Netmesh" "Diamond" Expanded), Milwaukee, Wis.
Northwestern Expanded Metal Co. ("Chanelath," Kno-Burn"), Old Colony bldg, Chicago, Ill.
Penn Metal Co. ("Penco," "Hampton"), 65 Franklin, Boston, Mass.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Sharon Steel Hoop Co. ("Mahoning"), Sharon, Pa.
Sykes Metal Lath & Roofing Co., Niles, O.
Truscon Steel Co. (Hy, Rib & Rib Lath), Youngstown, O
**YOUNGSTOWN PRESSED STEEL CO.,** ("Ideal" "Machinery," "Youngstown"), Warren, O. *See adv index at end of book*

## 7248— Lath (Metal)

See also Lath, Expanded Metal

American Luxfer Prism Co., 1305 S 55th, Chicago, Ill.
American Sheet & Tin Plate Co. ("Cambridge Rigid Reversible"), Frick bldg, Pittsburgh, Pa.
Aspromet Co., First Nat'l Bank bldg, Pittsburgh, Pa.
Berger Mfg. Co. of Calif., 1120 Mission, San Francisco, Cal.
Boston Metal Ceiling & Mfg. Co., 27 Haymarket sq. Boston, Mass.
Bostwick Steel Lath Co. ("Bostwick" Truss-Loop, Painted & Galvanized), Niles, O.
Brooklyn Metal Ceiling Co. ("Brooklyn"), 287 Greene av, Brooklyn, N. Y.
Burton W. J. Co., Junction & Federal, Detroit, Mich.
Concrete Products Co., Kansas City, Mo.
Consolidated Expanded Metal Co.'s (Diamond), Braddock, Pa.
Corrugated Bar Co., Mutual Life bldg, Buffalo, N. Y.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Edwards Metal Structure Co., Kansas City, Mo
Garden City Sand Co., Chamber of Comm. bldg, Chicago, Ill.
General Fireproofing Co. (Sheet), Youngstown, O.
Goldsmith Metal Lath Co. ("Shurbond"), 53 Central av, Cincinnati, O.
Hayes Geo. Co., 311 E 23d, New York
Horner & Co. (Steel or Iron), W. S. Oliver bldg., Pittsburgh, Pa.
Merchant & Evans Co., Washington av, & 21st, Phila., Pa.
*See adv index at end of book*
Meurer Geo. C. Co., 22 Clay, Brooklyn, N. Y.
Moss J. E. Iron Wks., Wheeling, W. Va.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Penn Metal Ceiling & Roofing Co. (Ltd.) ("American" & "Penn"), 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco," "Hampton"), 65 Franklin, Boston, Mass.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Sharon Steel Hoop Co. ("T. & C."), Sharon, Pa.
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Sykes Metal Lath & Roofing Co., Niles, Ohio
Truscon Steel Co. (Hy-Rib & Rib Lath), Youngstown, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) ("Crescent"), Wheeling, W. Va.

## 7249— Lath Mills & Bolters

Abbott Machine Co. (Combined Gang), Olean, N. Y.
Adams S. & Son (Lath Mills only), Rome, N. Y.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Sawmill Machinery Co. ("American"), Hackettstown, N. J.
American Woodworking Machinery Co., Rochester, N. Y.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Butterworth & Lowe (Combination), Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Conner J. W. & Son (Combined), Orangeville, Pa.
Diamond Iron Works, 2nd & 18th Av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Kline Lewis T., Alpena, Mich.
Knight Mfg. Co., Canton, Ohio.
Lane Mfg. Co. (Combination), Montpelier, Vt.
Lyon Iron Works (Gang), Greene, N. Y.
Mitts & Merrill (Combination), Saginaw, Mich.
Moltz Jacob J. (Combined), Williamsport, Pa.
Murray D. J. Mfg. Co., Wausau, Wis.
Newman Machine Co., Greensboro, N. C.
Phoenix Mfg. Co., Eau Claire, Wis.
Smith H. B. Machine Co., Smithville, N. J.
Standard Saw Mill Machinery Co., Erie, Pa.
Union Iron Works, Bangor, Me.
United States Machine Co. (Combined or Separate), Williamsport, Pa.
Wheland Co. (Combined), Chattanooga, Tenn.
Wickes Bros., Saginaw, Mich.

## 7250— Lath (Oblong Mesh)

Consolidated Expanded Metal Co.'s (Designated A & B), Braddock, Pa.

## 7251— Lath (Wire)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich.
*See adv index at end of book*
New Jersey Wire Cloth Co., Trenton, N. J.
*See adv index at end of book*
Rogers Wire Works (Inc.), Belleville, N J.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Wickwire Spencer Steel Corp. ("Clinton"), Worcester, Mass.
*See adv index at end of book*

## 7251a— Lathe Work (Contract)

Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.

## 7252— Lath & Picket Mills

Abbott Machine Co., Olean, N. Y.
Adams S. & Son, Rome, N. Y.
American Woodworking Machinery Co., Rochester, N. Y.
Butterworth & Lowe, Grand Rapids, Mich.
Chase Turbine Mfg. Co., Orange, Mass.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Kenyon Lumber Co., Sandy Hill, N. Y.
Kline Lewis T., Alpena, Mich.
Lane Mfg. Co. (Lath), Montpelier, Vt.
Mitts & Merrill, Saginaw, Mich.
Murray D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
St. Croix Paper Co., 244 Washington, Boston, Mass.
Smith H. B. Machine Co., Smithville, N. J.
Union Iron Works, Bangor, Me.
West Virginia Lumber Co., First National Bk. bldg, Pittsburgh, Pa.
Wickes Bros., Saginaw, Mich.

## 7253— Lathe & Saw

Millers Falls Co. ("Champion," "Goodell"), 28 Warren, New York

## 7253a— Lathes (All Kinds)

Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

## 7253b—Lathes (Automatic Wood Turning)

Duncan Henry J., Apena, Mich.
Estes E. B. & Sons, 364 Fifth av, New York
*See adv index at end of book*
Gisholt Machine Co., Madison, Wis.

## Lathes (Axe Handle)

See Lathes, Handle Turning

## 7254—Lathes (Axle Turning)

Betts Machine Co., 420 Blossom rd., Rochester, N. Y.
*See adv index at end of book*
Bridgeford Machine Tool Works (Single & Double Head), 420 Blossom rd., Rochester, N. Y.
Defiance Machine Works, Defiance, O.
Fitchburg Machine Works ("Lo Swing"), Fitchburg, Mass.
Johnson Israel H. Jr. Co., 337 N 15th, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Putnam Machine Co., Fitchburg, Mass.
Sellers Wm. & Co., 1600 Hamilton, Philadelphia, Pa.
Walraven Co. The, 36-38 W. Alabama, Atlanta, Ga.
*See adv index at end of book*

## 7255—Lathes (Backing-Off or Relieving)

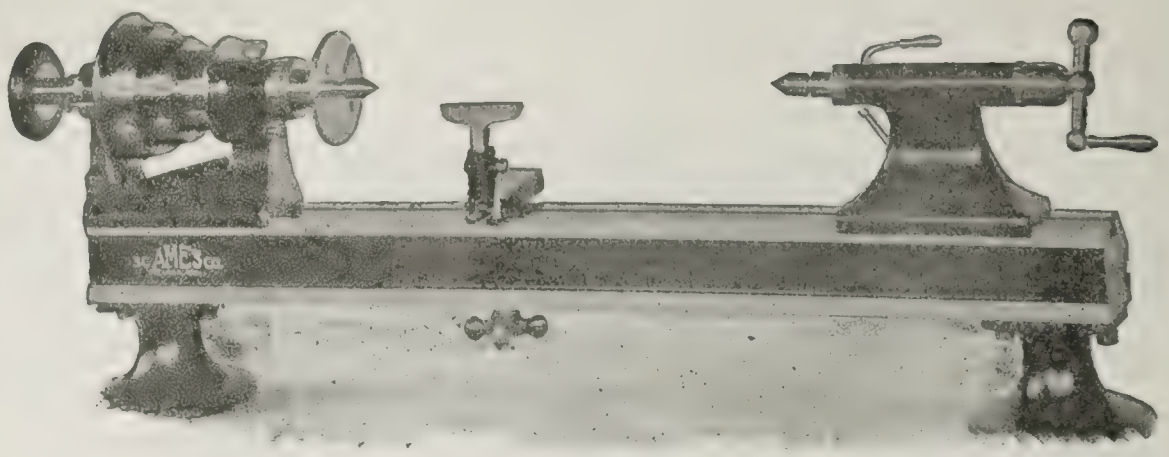
Clark-Mesker Co., 18511 Euclid av, Cleveland, Ohio.

## Lathes (Ball Turning)

See Lathes, Variety Turning

## 7256— Lathes (Barrel)

Oram John S. Co. (Barrel Turning), 1316 E 53rd, Cleveland, O.
Strait H. N. Mfg. Co., Kansas City, Kans.



Ames No. 3, Bench Lathe

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## 7257— Lathes (Bench)

**AMES B. C. CO.** ("Ames" For Work up to 1 inch), North Station, Waltham, Mass. *See adv index at end of book*
Dalton Mfg. Corp., 1915 Park av, New York
Diamond Machine Co. ("Diamond"), Providence, R. I.
Flather Mfg. Co., Nashua, N. H.
Garvin Machine Co., 147 Varick, New York
Goodell-Pratt Co. (Amateur), Greenfield, Mass.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
*See adv index at end of book*
Hardinge Bros. (Precision), 4203 Ravenswood av, Chicago, Ill.
Hjorth Lathe & Tool Co (Precision), 27 School, Boston, Mass.
McWilliams Thomas, 237 Eddy, Providence, R. I.
Moseley Lathe Co., Elgin, Ill.
Oliver W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Potter S. A. Tool & Mach. Wks., 79 E. 130th, New York
Pratt & Whitney Co., Hartford, Conn.
Rivett Lathe & Grinder Co. ("Rivett"), 2 Brooks, Brighton, Boston, Mass.
Seneca Falls Mfg. Co. ("Star"), Seneca Falls, N. Y.
Sloan & Chase Mfg. Co. (Ltd.) (& Attachments), 351 6th av, Newark, N. J.
Stark Tool Co. ("Stark" Machinists'), Waltham, Mass.
Up-To-Date Tool Co. (With Grinding Attachment), 81 Warcham, Boston, 18 Mass. *See adv index at end of book*
Van Norman Machine Tool Co. (Machinists), Springfield, Mass.
Victor Lathe Co., 151 Lafayette, New York
Wade American Tool Co. ("Wade" Precision), 311 Atlantic av, Boston, Mass.
**WALRAVEN CO. THE,** 36-38 W Alabama, Atlanta, Ga.
*See adv index at end of book*
Welch T. F. Co., 55 Sudbury, Boston, Mass.

### Lathes (Bobbin)

See Spool & Bobbin Machinery

## 7258— Lathes (Bolt & Stud)

See also Lathes, Turret

Bradford Machine Tool Co., Cincinnati, O.
Johnson I. H. Jr., Co., 337 N 15th, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Reed-Prentice Co. (14 & 16 inch Swing), 53 Franklin, Boston, Mass.

## 7259—Lathes (Brass Finishers')

American Tool & Machine Co. ("Fox"), 10 High, Boston, Mass.
Bardons & Oliver, Cleveland, O.
Dreses Machine Tool Co., Cincinnati, O.
Foster Machine Co., Elkhart, Ind.
Grabo E. O. Machine Works, 180 Centre, New York
Johnson Israel H. Jr. Co., 337 N 15th, Phila., Pa.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Springfield Machine Tool Co., Springfield, Ohio
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.

### Lathes (Broom Handle Turning)

See Broom Handle Machinery; also Lathes, Handle Turning

## 7260—Lathes (Buffing & Polishing)

Arvac Mfg. Co. ("Jenny" Electric Grinder, Buffer & Polisher), Anderson, Ind.
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
Automatic Buffing Machine Co., Buffalo, N. Y.
Bennett-O'Connell Co., 3600 S Morgan, Chicago, Ill.
Bradley H. C., Bridgeport, Conn.
**BRIDGEPORT SAFETY EMERY WHEEL CO.** ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
Chicago Wheel & Mfg. Co. ("Eureka"), 1101 W Monroe, Chicago, Ill.
Crown Rheostat & Supply Co., 15 S Desplaines, Chicago, Ill.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Eager Elec. Co. (Ball Bearing), Watertown, N. Y.
Evans Jno. Sons, 506 N 13th, Phila., Pa.
Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
Gardner Machine Co. (Ball Bearing), Beloit, Wis.
General Platers Supply Co., 489 - 493 Broome, New York
Goodell-Pratt Co., Greenfield, Mass.
Grabo E. O. Machine Works, 180 Centre, New York
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
*See adv index at end of book*
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
L'Hommedieu Chas. F. & Sons Co., 24 S Clinton, Chicago, Ill.
Middleditch Benj., Detroit, Mich.
Mueller Mach. Co., Trenton, N. J.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Oliver Machy. Co., Grand Rapids, Mich.
Oliver W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Pryibil P. Machine Co., 520 W 41st, New York
Racine Universal Motor Co., 53 W Jackson blvd, Chicago, Ill.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Safety Emery Wheel Co., Springfield, O.
Springfield Mfg. Co., Bridgeport, Conn.
Stevens Frederick B., 3d & Larned, Detroit, Mich.
*See adv index at end of book*
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.
Tanite Co., Stroudsburg, Pa.
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
**UNITED STATES ELECTRICAL TOOL CO.,** 549 W Washington blvd, Chicago, Ill. *See adv index at end of book*
Valley City Machine Works, Grand Rapids, Mich.

**WARREN PRODUCTS CO.**, 265 Canal, New York *See adv index at end of book*
Webster & Perks Tool Co., "W & P" (Self-Oiling), Springfield, O.

## 7261—Lathes (Car & Driving Wheel)

**Betts Machine Co. (For Driving Wheels)**, 420 Blossom rd, Rochester, N. Y.
**Niles-Bement-Pond Co., 111 B'way, New York**
**Putnam Machine Co., Fitchburg, Mass.**
**Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.**

## Lathes (Carving)

**See Wood Carving Machines**

## Lathes (Chasing)

**See Lathes, Brass Finishers'**

## Lathes (Chucking)

**See Chucking Machinery**

## Lathes (Crank Pin)

**See Crank Pin Turning Machine**

## Lathes (Crank Shaft Turning)

**See Lathes, Shaft Turning; also Crank Pin Turning Machines**

## 7262— Lathes (Cutting Off)

Betts Machine Co., 420 Blossom rd., Rochester, N. Y. *See adv index at end of book*
**Hurlbut-Rogers Machinery Co., South Sudbury, Mass.**
Le Blond R. K., Machine Tool Co., Cincinnati, O.
**Niles-Bement-Pond Co., 111 B'way, New York**
Pratt & Whitney Co., Hartford, Conn.
**Putnam Machine Co., Fitchburg, Mass.**

## 7263—Lathes (Die Reaming)

Morgan Construction Co., Worcester, Mass.

## Lathes (Drill)

**See Lathes, Hand & Drilling**

## Lathes (Driving Wheel)

**See Lathes, Car & Driving Wheel**

## 7264— Lathes (Engine)

Adams O. R. Mfg. Co., Inc., Short-Cut, Rochester, N. Y.
Advance-Rumeley Co., Laporte, Ind.
American Tool Works Co., Cincinnati, O.
Axelson Machine Co. (Heavy Duty), Box 316, Los Angeles, Cal.
Barker Wm. & Co., Covington, Ky.
**Barnes Drill Co., Rockford, Ill.**
Bell Elec. Motor Co. ("Bell" **Heavy Duty**, 18 in.), Garwood, N. J.
**BETTS MACHINE CO.**, 420 Blossom rd, Rochester, N. Y.
*See adv index at end of book*
**Boye & Emmes Machine Tool Co., Cincinnati, O.**
**Bradford Machine Tool Co. (14 to 42-inch Swing), Cincinnati, O.**
Bridgeford Machine Tool Wks., 420 Blossom rd, Rochester, N. Y .
Buckeye Drill & Lathe Co., Marion rd, Columbus, Ohio
Burton Engng. & Machinery Co., Spring Grove av, Cincinnati, O.
Carroll Jamieson Machine Tool Co. (14-inch Quick Change), Batavia, O.
**Champion Blower & Forge Co. ("Lancaster"), Lancaster, Pa.**
Champion Tool Works Co., Div. Acme Machine Tool Co. (12 to 18 in. Swing Screw Cutting), 4955 Spring Grove av, Cincinnati, O.
Chard Lath Co., New Castle, Ind.
Cincinnati Iron & Steel Co. ("Cisco"), **Cincinnati, O.**
Cincinnati Lathe & Tool Co., Oakley, Cincinnati, O.
Cisco Machine Tool Co., Cincinnati, O.
Crawford Machine Tool Co., Inc. ("Crawford" 15 in. Tool Room), 21 Park row, New York
Dalton Mfg. Corp., 1915 Park av, New York
Davenport Locomotive Wks., Davenport, Ia.
Davis C. F. Machine Co., Inc., 133 Andrews, Rochester, N. Y.
Davis Machine Tool Co. ("Davis"), Rochester, N. Y.
Driggs Ordnance Mfg. Corp. (20 to 65 inch Single & Double Back Gear), New Haven, Conn.
Fay Machine Tool Co. ("Fay"), Automatic), 2d & Glenwood av, Phila, Pa.
Fay & Scott, Dexter, Maine.
Flather Mfg. Co. (Screw Cutting, etc, 13 to 28-inch Swing), Nashua, N. H.
Fulton Mach. Tool Co., 1422 W Randolph, Chicago, Ill.
**Greaves, Klusman Tool Co., Cincinnati, O.**
**Hamilton Machine Tool Co. (14 to 48-inch), Hamilton, O.**
Hendey Machine Co. ("Hendey"), 12 to 24-inch Swing, Belt-Cone & All Geared Drives, English & Metric Thread Cutting, Belt & Motor Driven), Torrington, Conn.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Hollingswarth Machine Tool Co., Covington, Ky.
**Holmes Chas. Leather Working Machinery Co., Cambridge, Mass.**
Houston Stanwod & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
**Johnson Israel H. Jr. Co., 337 N 15th, Phila., Pa.**
**Lehmann Machine Co., 606 S B'way, St. Louis, Mo.**
**Leland-Gifford Co., Worcester, Mass.**
**Lodge & Shipley Machine Tool Co., Cincinnati, O.**
McCabe J. J. Lath & Machinery Corp., 149 B'way, New York
Mafreto Machine & Tool Co., Worcester, Mass.
**Mann Chas. A., 166 Doyle av, Providence R. I.**
Meier J. J. Machinery Co., 3412 Woolworth bldg, New York
*See adv index at end of book*
Monarch Machine Tool Co. ("Monarch"), 10 to 30 in., Sidney, O.
Mulliner Enlund Tool Co., Syracuse, N. Y.
Myers Machine Tool Co. ("Myers"), Columbia, Pa.
**National Engineering & Tool Works, Oak Park, Ill.**
**National Lathe Co. 15 W 2d, Cincinnati, Ohio**
Niles-Bement-Pond, 111 B'way, New York
**Ober Mfg. Co., Chagrin Falls, O.**
**Oliver Machinery Co., Grand Rapids, Mich.**
**Pittsburgh Machine Tool Co. (Heavy, 27 to 76, 27 to 84), Braddock, Pa.**
**Porter-Cable Machine Co., Syracuse, N. Y.**
Porter Machine Works, Hatfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., **Fitchburg, Mass.**
**Rahn-Larmon Co., Cincinnati, O.**
**Reed Hardware & Mfg. Co. (Screw Cutting), Cairo, Ill.**
Reed-Prentice Co. (Geared Head), 12 to 30 inch Swing), 53 Franklin, Boston, Mass.
Robbins Machine Co. (12, 14 & 15-inch Swing), Worcester, Mass.
Rockford Lathe & Drill Co., Rockford, Ill.
Rockford Tool Co. (15-inch "Sundstrand" 16-inch Tool Room 9-inch mfg. 16-inch Single Purpose), Rockford, Ill.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
**Sebastian Lathe Co., Covington, Ky.**
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga. *See adv index at end of book*
Seneca Falls Mfg. Co. ("Star," 9, 11, 13 inch sizes), (Quick Change, 12 & 14 inch sizes) (Screw Cutting), Seneca Falls, N. Y.
**Shephard Lathe Co. (Foot & Power)**, Canal & Jackson, Cincinnati, O.
Sidney Machine Tool Co. (10 to 36 in.), Sidney, O.
**Smith Cannery Machine Co., Seattle, Wash.**
Smith Phillip Mfg. Co. ("Filsmith"), Sidney, O.
South Bend Lathe Works, South Bend, **Ind.**
**Springfield Machine Tool Co. ("Ideal" 14, 16 & 18 in. Swing), Springfield, O.**
Summit Machine Wks. ("Summit"), Precision, 54 Hermon, Worcester, Mass.
United States Lathe & Machine Co. **(Screw Cutting), Cincinnati, O.**
Victor Lathe Co., 151 Lafayette, New York
Vernon Machine, Worcester, Mass.
Walcott Lathe Co. (14 to 36 inch Swing), Jackson, Mich.
Walraven Co., The, 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
**Westlund C. G. Co. ("Westlund" 16 & 20-inch Swing, Single & Double Back), 498 Millbury, Worcester, Mass.**
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.
**Wickes Bros., Saginaw, Mich.**
Willard Middletown Machine Co., Covington, Ky.
Worcester Lathe Co. ("Worcester"), Worcester, Mass.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 7265—Lathes (Extension Gap)

Barnes Drill Co., Rockford, Ill.
Fay & Scott, Dexter, Me.
Harrington Edwin Son & Co., 17th & Callowhill, Phila., Pa.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Johnson I. H. Jr. Co., 337 N 15th, Phila., Pa.
Rahn-Larmon Co., Cincinnati, O.

## Lathes (Face)

See Lathes, Pattern Makers'

## 7266— Lathes (Facing)

Reed-Prentice Co. (22 & 24-inch Swing), 53 Franklin, Boston, Mass.

## 7267— Lathes (Foot Power)

Barnes W F. & John Co., Rockford, Ill.
Dalton Mfg. Corp., 1915 Park av, New York
Mafreto Machine & Tool Co., Worcester, Mass.
Mann Chas A., 166 Doyle av, Providence, R. I.
Niles-Bement-Pond Co., 111 B'way, New York
Purdy Chester (9 & 10 Swing), Ghent, O.
Sebastian Lathe Co., Covington, Ky.
Seneca Falls Mfg. Co. ("Star"), Seneca Falls, N. Y.
Shepard Lathe Co. (Turret), Canal & Jackson, Cincinnati, O.

## 7268—Lathes (For Turning Sugar Cane Rolls)

Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Blymer Iron Works Co., Cincinnati, O.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.

## Lathes (Forging)

See Lathes, Engine.

## 7269— Lathes (Forming)

Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Dreses Machine Tool Co., Cincinnati, O.
Meriden Machine Tool Co., Meriden, Conn.
Niles-Bement-Pond Co., 111 B'way, New York
Reed-Prentice Co. (16-inch Swing), 53 Franklin, Boston, Mass.

## Lathes (Fox Monitor)

**See Lathes, Brass Finishers**

## Lathes (Gap)

See Lathes, Engine.

## 7270— Lathes (Gauge)

American Woodworking Machinery Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Goodspeed Machine Co., Winchenden, Mass.
Smith H. B. Machine Co. (Brown & Howe's Automatic), Smithville, N. J.
Trevor Mfg. Co., Lockport, N. Y.
Whitney Baxter D. & Son (Black Knife), Winchendon, Mass.

## Lathes (Granite Column)

See Machinery, Stone Polishing

## Lathes (Granite Polishing)

See Machinery, Stone Polishing; also Lathes Stone Polishing

## 7271— Lathes (Grinding)

Pratt & Whitney Co., Hartford, Conn.
Tindel Morris Co. ("Tindel Allbrecht"), Eddystone, Pa.

## 7272— Lathes (Gun Stock)

Gilman & Son, Springfield, Vt.

## 7273—Lathes (Gun Turning & Boring)

See also Gun Barrel Turning Machines

Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Bridgeford Machine Tool Works (Shell Turning & Boring), 420 Blossom rd, Rochester, N. Y.
Elyria Mach. Co., Elyria, O.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Johnson I. H. Jr. Co., 337 No 15th, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Warren Mach. Prods. Co., Warren, Pa.

## 7274—Lathes (Hand & Drilling)

Dreses Machine Tool Co., Cincinnati, O.
Garvin Machine Co., 147 Varick, New York
Johnson Israel H. Jr. Co., 337 N 15th, Phila., Pa.
Mann Chas. A., 166 Doyle av, Providence, R. I.
Meriden Machine Tool Co., Meriden, Conn.
Niles-Bement-Pond Co, 111 Broadway, New York
Oliver W. W. Mfg. Co. (Foot & Power), 1483 Niagara Buffalo, N. Y.
Seneca Falls Mfg. Co. ("Star," Foot & Power), Seneca Falls, N. Y.
Whitcombe-Blaisdell Machine Tool Co., Worcester, Mass.

## 7275—Lathes (Handle Turning)

American Wood Working Machinery Co., Rochester, N. Y.
Bradley H. C., Bridgeport, Conn.
Defiance Machine Works (Hammer, Hatchet & Canthook), Defiance, O.
Empire Machine Works, Mount Morris, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Gerlach Peter Co. (Automatic for Turning & Boring for Pail, Tool & Other Short Handles), 1712 Winter, Cleveland, O.
Kline Lewis T. (Automatic Broom Handle, etc), Alpena, Mich.
Klotz Machine Co., Sandusky, O.
Ober Mfg. Co., Chagrin Falls, O.
Pringle & Brodie, 514 S Canal, Chicago, Ill.
Smith H. B. Machine Co., Smithville, N. J.
Trevor Mfg. Co., Lockport, N. Y.
Waymoth A. D. & Co., Fitchburg, Mass.
Wilder Chas. W. (Auger, Paint Brush, File, etc), Fitchburg, Mass.

## 7276—Lathes (Hard Rubber)

Adamson Machine Co., Akron, O.
*See adv index at end of book*
Smith James M. (For Hard Rubber Turning), Seymour, Conn.

## 7277— Lathes (Hat Block)

Gilman & Son, Springfield, Vt.

## Lathes (Ingot)

See Lathes, Engine

## 7278— Lathes (Insulator)

Defiance Machine Works (Turning & Threading), Defiance, O.

## 7279— Lathes (Jar Ring)

Adamson Machine Co., Akron, O.
*See adv index at end of book*
Thropp Wm. R. & Sons Co. (Automatic), Trenton, N. J.



THROPP'S JNO. E. SONS CO., ft of Lewis, Trenton, N. J.
*See adv index at end of book*

## 7280— Lathes (Journal Truing)

Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Bridgeford Machine Tool Wks., 420 Blossom rd, Rochester, N. Y.
Dunn W. C. Co., 832 W 6th, Cincinnati, O.

## 7281— Lathes (Knurling)

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## 7282— Lathes (Laboratory)

Bowers Machine Co., Lancaster, Pa.
Butler-Edwards Electric Co., Easton, Pa.
Ritter Dental Mfg. Co. ("Ritter" Electric), Rochester, N. Y.

## 7283— Lathes (Lacquering)

De Vilbiss Mfg. Co. (For Pneumatic Brush Spraying), Toledo, O.

## 7284— Lathes (Last)

Gilman & Son, Springfield, Vt.
Kimball Bros. & Sprague (Blocks & Turning), Brockton, Mass.

## 7285—Lathes (Manual Training)

Blount J. G. Co., Everett, Mass.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
*See adv index at end of book*
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
National Woodworking Machine Co., Dover, N. H.
Oliver Machinery Co., Grand Rapids, Mich.
Seneca Falls Mfg. Co. ("Seneca Falls"), Seneca Falls. N. Y.

## Lathes (Marble Turning)

See Stone Sawing Machinery

## Lathes (Metal Spinning)

See Lathes, Spinning

## Lathes (Monitor)

See Lathes, Turret

## Lathes (Neck-Yoke & Single-Tree)

See Neck Yoke & Singletree Machinery

## Lathes (Oil Groove Cutting)

See Spiral Oil Grooving Machines

## 7286—Lathes (Optical Grinding)

Carr Jos. Co. (Also Discs), 132 N 7th, Phila., Pa.
Potter S. A. Tool & Mach. Wks., 79 E 130th, New York

## 7287—Lathes (Pattern Makers')

American Wood Working Machinery Co., Rochester, N. Y.
Blount J. G. Co. (Set-Over Swivel Tailstock, etc), Everett, Mass.
Cordesman Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Dasch Mfg. Co., Bridgeport, Conn.
Fay J. A. & Egan Co., Cincinnati, O.
Fay & Scott, Dexter, Me.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Jones Superior Machine Co., 1264 W North av, Chicago, Ill.
Oliver Machinery Co. (Face), Grand Rapids, Mich.
Partridge E. O., 2039 W Lake, Chicago, Ill.
*See adv index at end of book*
Porter C. O. Machinery Co. ("Porter"), Grand Rapids, Mich.
*See adv index at end of book*
Purdy Chester, Ghent, O.
Putnam Machine Co., Fitchburg, Mass.
Robbins Machine Co., Worcester, Mass.
Sidney Machine Tool Co., Sidney, O.
Valley City Machine Works, Grand Rapids, Mich.
Victor Machine & Lbr. Co., Inc., Buffalo, N. Y.

## 7288—Lathes (Pearl Button Turning)

Hess Machine Works, 4951 Lancaster, Phila., Pa.

## Lathes (Polishing)

See Lathes, Buffing & Polishing

## 7289— Lathes (Precision)

See also Lathes, Watchmakers

AMES B. C. CO ("Ames" Bench), North Station, Waltham, Mass.
*See adv index at end of book*
Advance Dairy Machinery Co., Canton, O.
Cleveland Machinery & Supply Co., Union bldg, Cleveland, O.
Dalton Mfg. Corp., 1915 Park av, New York
Elgin Tool Works (Bench), Elgin, Ill.
Flather Mfg. Co., Nashua, N. H.
Goodell-Pratt Co., Greenfield, Mass.
Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.
Hjorth Lathe & Tool Co. (Bench), 27 School, Boston, Mass.
Rivett Lathe & Grinder Co., 2 Brooks, Brighton, Boston, Mass.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Stark Tool Co. ("Stark" Bench), Waltham, Mass.
Summit Machine Works ("Summit"), 54 Hermon, Worcester, Mass.
Wade American Tool Co. (Screw Cutting), 311 Atlantic av, Boston, Mass.

## Lathes (Projectile Boring & Turning)

See Lathes, Gun Turning & Boring

## 7290-1-2—Lathes (Pulley Turning)

American Tool Works Co., Cincinnati, O.
Avery Drilling Machine Co. ("Striet"), Covington, Ky.
Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Fay Machine Tool Co., 2d & Glenwood av, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Putnam Machine Co., Fitchburg, Mass.
Reed-Prentice Co., 53 Franklin, Boston, Mass.

## 7293—Lathes (Roll Turning)

See also Machinery, Rolling Mill

Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bridgeford Machine Tool Works, 420 Blossom rd, Rochester, N. Y.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Hyde Park Foundry & Machine Co., Hyde Park, Pa.
MESTA MACHINE CO., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Morgan Construction Co., Worcester, Mass.
National Roll & Foundry Co., Avonmore, Pa.
Philadelphia Roll & Machine Co., 25th & Washington av, Philadelphia, Pa.
Phillips & McLaren, 24th & Smallman, Pittsburgh, Pa.
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
Youngstown Foundry & Machine Co., Youngstown, O.

## 7294— Lathes (Roughing)

Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Boye & Emmes Machine Tool Co., Cincinnati, O.
Bridgeford Machine Tool Wks., 420 Blossom rd, Rochester, N. Y.
Houston, Sanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.

### 7294a—Lathes (Rubber Cutting)

Crossley Machine Co. (For Fruit Jar Rubbers), State & Chestnut av, Trenton, N. J. *See adv index at end of book*

### 7295—Lathes (Screw Cutting)

See also Lathes, Engine; also Lathes, Turret; also Screw Machines

American Tool Works Co. (Screw-Cutting Engine), Cincinnati, O.
Automatic Machine Co. (Automatic for Worms & Screws), Bridgeport, Conn.
Barker William & Co., Wheeler & Pleasant av, Cincinnati, O.
Barnes W. F. & John Co. (Foot Power), Rockford, Ill.
Betts Machine Co., 420 Blossom rd, Rochester, N Y. *See adv index at end of book*
Bradford Machine Tool Co., Cincinnati, O.
Bridgeford Machine Tool Wks., 420 Blossom rd, Rochester, N. Y.
Champion Blower & Forge Co. ("Lancaster"), Lancaster, Pa.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Crawford Machine & Tool Co., Inc. (15 in Tool Room), 21 Park row, New York
Davis Machine Tool Co., Rochester, N. Y.
Driggs Ordnance & Mfg. Corp., New Haven, Conn.
Fay Machine Tool Co. (Automatic), 2d & Glenwood av, Phila., Pa.
Fay & Scott, Dexter, Me.
Flather & Co., Nashua, N. H.
Greaves, Klusman Tool Co., Cincinnati, O.
Hamilton Machine Tool Co., Hamilton, O.
Hendey Machine Co. ("Hendey" for Precision Screw Cutting), Torrington, Conn.
Herbert Alfred, Ltd., 54 Dey, New York *See adv index at end of book*
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Johnson I. H. Jr. Co., 337 N 15th, Phila., Pa.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Lodge & Shipley Machine Tool Co., Cincinnati, O.
Mafreo Machine & Tool Co., Worcester, Mass.
Mann Chas. A., 166 Doyle av, Providence, R. I.
Millholland W. K. Machine Co., Indianapolis, Ind.
Monarch Machine Tool Co. ("Monarch"), Sidney, O.
Niles-Bement-Pond Co., 111 B'way, New York
Ober Mfg. Co., Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Perkins F. S. Co., Lowell, Mass.
Pittsburgh Machine Tool Co., Corey, Pittsburgh, Pa.
Rahn-Larmon Co., Cincinnati, O.
Reed-Prentice Co., 53 Franklin, Boston, Mass.
Sebastian Lathe Co. (Foot), Covington, Ky.
Seneca Falls Mfg. Co. ("Star"), Seneca, Falls, N. Y.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
South Bend Lathe Works (13-15-16-18-21 & 24-in.), South Bend, Ind.
Stark Tool Co. ("Stark" Chasing), Waltham, Mass.
Westlund C. G. Co. ("Westlund"), 498 Millbury, Worcester, Mass.

### 7296—Lathes (Shaft Turning)

American Tool Works Co., Cincinnati, O.
Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Bridgeford Machine Tool Wks., 420 Blossom rd, Rochester, N. Y.
Fitchburg Machine Works ("Lo Swing"), Fitchburg, Mass.
Houston, Stanwood & Gamble Co., 3rd & Philadelphia, Cincinnati, O.
Johnson I. H. Jr. Co., 337 N 15th, Phila., Pa.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Lodge & Shipley Machine Tool Co., Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York
Putnam Machine Co., Fitchburg, Mass.
Springfield Machine Tool Co., Springfield, Ohio
Tindel, Morris Co. ("Tindel Albrecht," Crank-Shaft, etc), Eddystone, Pa. & Ellwood City, Pa.

### 7296a—*Lathes (Shell Turning & Boring)

Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*

### Lathes (Shoe Last Turning)

See Lathes, Last

### 7297— Lathes (Speed)

See also Lathes, Engine

Blount J. G. Co., Everett, Mass.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Fay & Scott, Dexter, Me
Garvin Machine Co., 147 Varick, New York
Grabo E. O. Machine Works (For Brass, etc), 180 Centre, New York
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Oliver Machinery Co. (For Wood), Grand Rapids, Mich.
Sebastian Lathe Co., Covington, Ky.

### 7298— Lathes (Spinning)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Garvin Machine Co., 147 Varick, New York
Grabo E. O. Machine Works, 180 Centre, New York
Kane & Roach, Syracuse, N. Y.
Manville E. J. Machine Co., Waterbury, Conn.
Meriden Machine Tool Co., Meriden, Conn.
Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Oliver Machinery Co., Grand Rapids, Mich.
Parker Charles Co., Meriden, Conn.
Pryibil P. Machine Co., 520 W 41st, New York
Purdy Chester, Ghent, O.
Stoll D. H. Co., Buffalo, N. Y.
Wilcox Mfg. Co. ("Schulz"), 4824 W Lake, Chicago, Ill.

### 7299— Lathes (Spoke)

See also Lathes, Handle Turning; also Lathes, Wood Turning

Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Ober Mfg. Co., Chagrin Falls, O.
Trevor Mfg. Co., Lockport, N. Y.

### Lathes (Spool)

See Spool & Bobbin Machinery

### 7300— Lathes (Staff)

Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

### 7301—Lathes (Stone Polishing)

Ellison Bros., Frankford, Phila., Pa
Hinds Thomas Co., Malone, N. Y.
Lincoln Iron Works, Rutland, Vt.
Patch F. R. Mfg. Co., Rutland, Vt.
Perkins Lloyd (For Sawing & Polishing, Rocks, Minerals, etc), Middleboro, Mass.
St. Cloud Iron Works Co., St. Cloud, Minn.

### 7302— Lathes (Strapping)

Bridgeport Safety Emery Wheel Co. ("Bridgeport Safety"), 88 Knowlton, Bridgeport, Conn. *See adv index at end of book*
Springfield Mfg. Co., Bridgeport, Conn.

### 7302a— Lathes (Threading)

Automatic Machine Co. (Automatic), Bridgeport, Conn.

### 7302b—*Lathes (Tool Makers)

See also Specific Heading

Crawford Machine Tool Co., (15-in.), 21 Park row, New York

### 7303— Lathes (Treenail)

Trevor Mfg. Co., Lockport, N. Y.

### 7304— Lathes (Trimming)

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
Manville E. J. Machine Co., Waterbury, Conn.
Waterbury, Farrel Foundry & Machine Co., Waterbury, Conn.

### 7305— Lathes (Turntable)

Pratt & Whitney Co. (With Cross Sliding Turntable), Hartford, Conn.

### 7306— Lathes (Turret)

See also Screw Machines

Acme Machine Tool Co. (Flat), Cincinnati, O.
American Tool & Machine Co. ("Fox" Brass Finishers), 10 High, Boston, Mass.
American Tool Works Co., Cincinnati, O.
Bardons & Oliver, Cleveland, Ohio
Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Bradford Machine Tool Co., Cincinnati, O.
Bridgeford Machine Tool Wks., 420 Blossom rd, Rochester, N. Y.
Bullard Machine Tool Co. ("Standard" Vertical & Combination Turret), Bridgeport, Conn.
Davies Machine Tool Co. ("Davis" Turret Head Boring, Forming & Turning), Rochester, N. Y.
Dodge H. C., Inc., 46 Alger, Boston, Mass.
Dreses Machine Tool Co. (Universal), Cincinnati, O.
Fay & Scott, Dexter, Me.
Foster Machine Co., Elkhart, Ind.
Fulton Mach. Tool Co., 1422 W Randolph, Chicago, Ill.
Garvin Machine Co., 147 Varick, New York
Gisholt Machine Co. (For Both Bar & Chucked Work, 13 to 14½ inches, also Automatic for Chucking Work), Madison, Wis.
Greaves, Klusman Tool Co., Cincinnati, O.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass. *See adv index at end of book*
**HERBERT ALFRED, LTD.,** 54 Dey, New York. *See adv index at end of book*


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Jones & Lamson Machine Co. (Flat), Springfield, Vt.
Levi Benjamin, 355 W B'way, New York
Lodge & Shipley Machine Tool Co., Cincinnati, Ohio
Mafreto Machine & Tool Co., Worcester, Mass.
Meriden Machine Tool Co., Meriden, Conn.
Millholland W. K. Machine Co., Indianapolis, Ind.
National Acme Mfg. Co. ("Gridley" Multiple Spindle Automatic), 7500 Stanton av, S E, Cleveland O.
New Britain Machine Co. ("New Britain," Multiple Spindle Automatic), 190 Chestnut, New Britain, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
Potter & Johnston Machine Co. (Double Turret Manufacturing), Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
Rahn-Larmon Co., Cincinnati, O.
Reed-Prentice Co. (12 to 30-inch Swing), 53 Franklin, Boston Mass.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Shepard Lathe Co., Canal & Jackson, Cincinnati, O.

LATHES (TURRET)—continued

Springfield Machine Tool Co. ("Fox") Springfield, Ohio
Steinle Turret Machine Co. ("Steinle" Full Swing, Side Carriage), Madison, Wis.
Victor Lathe Co., 151 Lafayette, New York
Warner & Swasey Co. (Hollow, Hexagon, Turret Screw, etc), 5809 Carnegie av, Cleveland, O.
Wood Turret Machine Co. (The Tilted Turret), Brazil, Ind.
Woods S. A. Machine Co. ("Blood," "Dodge"), 27 Damrell, Boston, Mass.

## 7307-8—Lathes (Variety Turning

Bradley H. C., Bridgeport, Conn.
Defiance Machine Works (Also Variety Boring), Defiance, O.
Fitchburg Machine Works ("Lo-Swing"), Fitchburg, Mass.
Frary Mfg. Co. (Automatic Wood Turning), Charlemont, Mass.
Kline Lewis T. (Automatic), Alpena, Mich.
Mattison C. Machine Works, Rockford, Ill.
Ober Mfg. Co., Chagrin Falls, O.
Pringle & Brodie Co., 514 S Canal, Chicago, Ill.
Waymoth A. D. & Co. (Self-Centering & Self-Adjusting, etc), Fitchburg, Mass.
Wilder Chas. W. (For Small Turnings of All Kinds), Fitchburg, Mass.
Wright Chas. E. Co., Kenilworth, N. J.
Yates P. B. Machine Co., Beloit, Wis.

## Lathes (Veneer)

See Veneer Cutting Machines

## 7309—Lathes (Watchmakers')

See also Lathes, Precision

Davenport Machine Tool Co. (Automatic Staff Lathes for Watch Pinions), New Bedford, Mass.
Derbyshire F. W., Waltham, Mass.
Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.
Moseley Lathe Co., Elgin, Ill.
Rivett Lathe & Grinder Co., Brighton, Boston, Mass.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Wade-American Tool Co., 311 Atlantic av, Boston, Mass.

## 7310— Lathes (Winding)

Pittsburgh Machine Tool Co., Braddock, Pa.
Sommerfeld Machine & Mfg. Co. (For Winding Coils), 216 2d av, Pittsburgh, Pa.

## 7311—Lathes (Wood Polishing)

Bradley H. C., Bridgeport, Conn.
Oliver Machinery Co., Grand Rapids, Mich.

## 7312—Lathes (Wood Pulley)

Defiance Machine Works, Defiance, O.

## 7313—Lathes (Wood Working)

American Sawmill Machinery Co., Hackettstown, N. J.
American Wood Working Machy. Co., Rochester, N. Y.
Artistic Wood Turning Works (Automatic), 515 W Halsted, Chicago, Ill.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Barnes W. F. & John Co., Rockford, Ill.
Carey W. W. Co., Lowell, Mass.
Cordesman, Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Fay & Scott, Dexter, Me.
**HALL & BROWN WOOD WORKING MACHINE CO.**, 1929-33 N B'way, St. Louis, Mo. *See adv index at end of book*
Jones Superior Machine Co., 1264 W North av, Chicago, Ill.
Maine Machine Wks., 701 N Main, Los Angeles, Cal.
Mattison C Machine Works, Rockford, Ill.
National Woodworking Machine Co., Dover, N. H.
Ober Mfg. Co., Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Partridge E. O., 2039 W Lake, Chicago, Ill. *See adv index at end of book*

Porter C. O. Machinery Co., Grand Rapids, Mich. *See adv index at end of book*
Power L. & Co., 20 S 23d, Phila., Pa.
Pringle & Brodie Co. (Back Knife Variety Turning), 514 S Canal, Chicago, Ill.
Price W. R., Inc., 127 5th av, New York
Pryibil P. Machine Co., 520 W 41st, New York
Purdy Chester, Ghent, O.
Sidney Machine Tool Co., Sidney, O.
Smith H. B. Machine Co., Smithville, N. J.
Trevor Mfg. Co. (Turnings up to 8 in), Lockport, N. Y.
Valley City Machine Works, Grand Rapids, Mich.
Waymoth A. D. & Co. (Variety, etc), Fitchburg, Mass.
Wilder Chas. W., Fitchburg, Mass.

## 7314—Lathes (Worm Threading)

Automatic Machine Co. (Automatic), Bridgeport, Conn.

## 7315— Lathes (Yacht Spar)

Trevor Mfg. Co., Lockport, N. Y.

## 7316— Lathes (Zinc)

National Tank & Pipe Co. (For Cutting Zinc Shavings), 275 Oak, Portland, Ore. *See adv index at end of book*
Pacific Tank & Pipe Co. (For Cutting Zinc Shavings), 318 Market, San Francisco, Cal.

## 7317— Laughing Galleries

Ingersoll Construction Co., 324 4th av, Pittsburgh, Pa.

## Launches

See Motor Boat, Launch & Yacht Builders

## Laundry Dryers

See Clothes Dryers

## Laundry Irons (Electric)

See Sad Irons, Electric

## Laundry Irons (Gas)

See Sad Irons

## 7318—Laundry Tubs (Artificial Stone)

Adams E. G., Kingston, N. Y.
Anchor Stone Co., 2937 Lyndale, S Minneapolis, Minn.
Chicago Granitine Mfg. Co. ("Granitine," "Princess," "Snow White"), 3619 Wall, Chicago, Ill.
Hardin Lavin Co., 4543 Cottage Grove av, Chicago, Ill.
Household Granite Tub Co., New Haven, Conn.
Kingston Granite Tub Works, Kingston, N. Y.
Mineral Products Co. ("Xyno" Stone), Rhinelander, Wis.
New Haven Granite Works ("Blue Rock"), New Haven, Conn.
Peerless Granite Co., Town of Union, N. J.
Robinson Stoneware Co., 226 Newell, Brooklyn, N. Y.
Standard Elsmere Granite Works ("Elsmere Granitine"), 1756 N Spaulding av, Chicago, Ill.
Wessels D. D. (Cement), 501 E. Euclid, Detroit, Mich.

## Laundry Tubs (Enameled Iron)

See Bath Tubs, Enameled Iron

## 7319—Laundry Tubs (Euclid Stone)

Euclid Mfg. Co., Paden City, W. Va.
Euclid Stone & Brick Co. (& Lakewood A. A. Grade), Cleveland, O.

## 7320—Laundry Tubs (Glazed Fire Clay)

Gladding, McBean & Co., Crocker bldg, San Francisco, Cal.

## Laundry Tubs (Porcelain)

See Bath Tubs, Porcelain

## 7321— Laundry Tubs (Slate)

American Slate Co., Easton, Pa.
Auld & Conger Co., 942 Prospect, Cleveland, O.
Bangor Structural Slate Co., Bangor, Pa. *See adv index at end of book*
Cleveland Mantel & Tile Co., 1426 E 30th, Cleveland, O.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Hammann Slate Co., Bangor, Pa.
Hinchey Patrick F. & Co., Hydeville, Vt.
International Slate Co., Slatington, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Monson Maine Slate Co., 112 Water, Boston, Mass.
Nelson N. O. Marble Co., Edwardsville, Ill.
New York Slate Works ("Empire"), 255 E 138th, New York
Ontalaunce Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co., Delta, Pa.
Penrhyn Slate Co., Hydeville, Vt.
Phoenix Slate Co., Windgap, Pa.
Slatington Slate Co., Slatington, Pa.
Snyder E. F., Slatington, Pa.
Structural Slate Co., Penn Argyl, Pa.
Union Soapstone Co., 14 Marshall, Boston, Mass.
Williams Slate Co., Arvonia, Va.

## 7322—Laundry Tubs (Soapstone)

Alberene Stone Co., 223 E 23d, New York
Butler Philip H. & Co., 197 B. S., Boston, Mass.
Nelson N. O. Marble Co., Edwardsville, Ill.
Phoenix Soapstone Co., 71 Murray, New York
Robinson Stoneware Co., 226 Newell, Brooklyn, N. Y.
Sanitas Mfg. Co. ("Marshfield"), 105 Washington, Boston, Mass.
Troy Bros. & Co., 975 Massachusetts av, Rox., Boston, Mass.
Union Soapstone Co., 14 Marshall, Boston, Mass.

## 7323— Lava

American Lava Corp. ("Alco"), Chattanooga, Tenn. *See adv index at end of book*
Colonial Mfg. Co., Chattanooga, Tenn.
Crescent Burner Mfg. Co., 116 E 27th, New York
Kirchberger & Co. M., 116 E 27th, New York
Steward D. M. Mfg. Co. ("Lavite"), Chattanooga, Tenn.

## 7324— Lavatories (Folding)

Sands A. B. & Son Co. ("Sands"), 22 Vesey, New York

## 7325— Lavatories (Ship)

Bishop's Wm. Sons, 18 James, New York
Jenkins Mfg. Co., Bloomfield, N. J.
Laughlin Thos. Co. (Folding), Portland, Maine
Nason Mfg Co. (Jobbers), 71 Fulton, New York
Sands A. B. & Son Co. (Folding & Stationary), 22 Vesey, New York
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.

## 7326— Lavatories & Fittings

For Enamel or Porcelain Lined Iron Lavatories, see Bath Tubs, Enameled Iron
Barnes Mfg. Co. (Enameled Lavatories), Mansfield,, O.
Barrett James Mfg. Co. ("Cutler," "Elba," "Hecla," "Midget," "Talma," "Thaba" & "Tunis"), 117 Pearl, Boston, Mass.
Blairsville Sanitary Co. (Enameled Iron), Blairsville, Pa.
Cahill Iron Works ("Southern Beauty" Enameled Iron), Chattanooga, Tenn.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Columbia Sanitary Mfg. Co. (Enameled Ware), Louisville, Ky.
Dalton-Ingersoll Co., 500 Chauncy, Boston, Mass.
Detroit Sanitary Supply Co., 1191 2nd, Detroit, Mich.
Douglas John Co., Carthage, Cincinnati, O.
Ebinger D A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.

Edwardsville Brass Co., Edwardsville, Ill.
Euclid Stone & Brick Co. (Shower Lavatories for Factories, Stone), Cleveland, Ohio
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Fords Porcelain Works (Porcelain), Perth Amboy, N. J.
General Ceramics Co. ("Phoenix," Porcelain), 50 Church, New York
Haines, Jones & Cadbury Co. ("Hajoca," "Vitreo," "Regal" Porcelain Enameled), 1136 Ridge av, Phila., Pa.
Humphryes Mfg. Co. (Enameled Iron, Porcelain Lined), Mansfield, O.
Jackson Potteries Co. Inc. (Toilet Closets & Bowls), Fulton bldg, Pittsburgh, Pa.
Kohler Co. (Enameled Iron Lavatories), Sheboygan, Wis.
McCambridge Co., 315 N 20th, Phila., Pa.
McVay-Walker Co., Braddock, Pa.
Mann Mfg. Co., 17 W Parkway, N S, Pittsburgh, Pa.
Manufacturing, Equipment & Engineering Co. (Multiple Range Wash Bowls, Plain Iron Galvanized or Vitrified Porcelain Enamel), 136 Federal, Framingham, Mass.
Monument Pottery Co. (Lavatories), Trenton, N. J.
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Nelson N. O. Marble Co. (Marble Lavatories), Edwardsville, Ill.
Peck Bros. & Co., New Haven, Conn.
Penn Enameled Sink Co., Indiana, Pa.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Rowe Sanitary Mfg. Co. (Sanitary), 210 Sixth av, Detroit, Mich.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Rundle-Spence Mfg. Co. (Fittings Only), 63 2d, Milwaukee, Wis.
Sanitas Co. ("Trinity," "Crescent," "Premier," "Bristol," "Exeter," "Faneuil," "Grafton," "Dartmouth," "Caldwell," "Arlington," "Mignon," "Marboro," "Beacon," "Newbury"), 105 Washington, Boston, Mass.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Watrous Co. ("Watrous," White Metal Lavatory Fittings), 524 S Racine, Chicago, Ill.
Weiskittel A. & Son Co. (Enameled Iron), 12th & E Lombard, Baltimore, Md.
Wheeling Sanitary Mfg. Co. (Enameled Iron Lavatories), Wheeling, W. Va.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 7327— Lavatory Trimmings

Douglas Jno. Co., Carthage, Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Park & McKay, 55 Bagley av, Detroit Mich.
Peck Bros & Co., New Haven, Conn.

## Lawn Furniture

See Fountains, Vases, etc.; also Settees & Chairs, Iron; also Settees & Chairs Lawn; also Rustic Wood Work; also Swings, Lawn

## 7328— Lawn Mowers

American Lawn Mower Co. ("Favorite," "Advance," "Yale," "Columbia," "Sterling," "New Eclipse," "Pennant," "Liberty," "New Peerless," "Premier," Ball Bearing), Muncie, Ind
Avery B. F. & Sons ("The Dewey" & "Princess"), Louisville, Ky.
Blair Mfg. Co. ("Easy," "Universal," "Yankee"), Springfield, Mass.
Chadborn & Coldwell Mfg. Co. ("Sunbeam," "Pastime," "Shamrock," "Goldcrest," "Royal Blue," "Aldine," "Delevan," "Lenox," "Excelsior," "Newburgh," "New Model," "Charmer," "Primrose," "Dexter," "Ventnor," "Invincible," "Golden Glow," "Swift Cutter," etc.), Newburgh, N. Y.
Clarinda Lawn Mower Co. ("Cardinal," "Daisy," "Universal"), Clarinda, Ia.
Clipper Lawn Mower Co. ("Clipper" Hand & Pony, Cuts Grass Any Height), Dixon, Ill.
Coldwell Lawn Mower Co. ("Lakewood," "Imperial," "Coldwell," Hand, Horse & Motor), Newburgh, N. Y.
Dille & McGuire Mfg. Co. (Hand, "Diamond," "Star," "King," "Aero," "New England," "Matchless," "Perfection," "Glide," "Richmond," "Queen," "Western," "New Magic," "Supreme," "High Speed," "Greenwood"), Richmond, Ind.
Eclipse Lawn Mower Co. ("Eclipse," Self-Sharpening), Prophetstown, Ill.
Elwood Lawn Mower Mfg. Co., Elwood Ind.
Enterprise Mfg. Co. of Pa. ("Enterprise"), 3d & Dauphin, Phila., Pa.
F. & N. Lawn Mower Co. ("Great Arrow," "Ideal," "Crestlawn," "May Flower," "New American," "Auto," "Famous," "Admiral," "Director," "Baby Grand," Ball Bearing; "Worthmower," "Victor," "Annex," "Clover Leaf," "Trojan," "Paragon," "Melrose," "Fenden," Plain Bearing), Richmond, Ind
Granite State Mowing Machine Co. ("Granite State," "Hampshire," "Queen," "New Mystic," "New Rover," "Leader"), Hinsdale, N. H.
Herschel R. Mfg. Co. ("Herschel"), Peoria, Ill.
Ideal Power Lawn Mower Co. ("Ideal"), Lansing, Mich.
Mast, Foss & Co. ("Buckeye" Ball Bearing), Springfield, O.
Mathews & Boucher ("Genessee"), 26 Exchange, Rochester, N. Y.
Penn Lawn Mower Wks ("Pennsylvania"), 1615 N 23d, Philadelphia, Pa.
Phila. Lawn Mower Co. ("Graham," all steel A, "Genuine," "Philadelphia," "All Day," "Dewey," "Drexel," "X. X.," "New," "College," "University"), 3101 Chestnut, Phila., Pa.
Reading Hardware Co. ("Reading"), Reading, Pa.
Stearns E. C. & Co. ("Stearns," "Matchless," "Royal," "Ball Bearing"), 450 Oneida, Syracuse, N. Y.
Supplee-Biddle Hardware Co. ("Pennsylvania" Ball Bearing, "Continental," "Great American" Ball Bearing, Self-Sharpening, "Bellevue" Ball Bearing, "New Quaker," "New Departure," "Girard," "Electric," "Westfield," "Daisy," "Orchid," "Shock Absorber"), 510 Commerce, Philadelphia, Pa.
Townsend S. P. & Co. (Lawn Mowers "Lyon," "Spider," "Victor," "Premier," "Essex," "Orange," "Matchless," All Ball Bearing; "Townsend" Chain Roller Mower), Orange, N. J.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Worcester Lawn Mower Co. ("Worcester," "Highland," "Homestead" & "Green Mountain," "Elm Park," "Wizard," "Commonwealth," "Mount Tour," "New England," "Tip Top"), Worcester, Mass.

## 7329—Lawn Mowers (Gasoline Motor)

Coldwell Lawn Mower Co., Newburgh, N. Y.
Ideal Power Lawn Mower Co., Lansing, Mich.
Philadelphia Lawn Mower Co. ("Phila.," "Eagle," Improved Motor Lawn Mowers), 3101 Chestnut, Phila., Pa.

## 7330—Lawn Mowers (Horse)

Chadborn & Coldwell Mfg. Co. ("New Excelsior"), Newburgh, N. Y.
Coldwell Lawn Mower Co. ("Coldwell"), Newburgh, N. Y.
Phila. Lawn Mower Co. ("Eagle," "Pony," "Genuine Phila."), 3101 Chestnut, Phila., Pa.
Supplee-Biddle Hardware Co. ("Pennsylvania"), 510 Commerce, Phila., Pa.
Townsend S. P. & Co. ("Townsend's" Triple Ratchet), Orange, N. J.

## 7331— Lawn Sprinklers

Allen W. D. Mfg. Co. ("Pluvius," "Columbia," "Midget," "Mayflower," "Cyclone," "Zenith," "Anaconda," "Preston," "Turbine," "Aetna," "Texas," "Colorado," "Yankee," "Blake," "Hartford," "Busy," "Eureka," "Newport," "Australian," "Evanston"), 566 W Lake, Chicago, Ill.
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**LAWN SPRINKLERS**

Most of the lawn sprinklers made are produced in our factory. We make 57 varieties, including stationary and revolving head sprinklers. Complete catalog and prices on request.

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**566 West Lake Street**
**Chicago, Ill.**


American Foundry & Mfg. Co. ("Cactus," "Japanese," "Park," "National," "Pacific," "Imperial"), 11th & Hebert, St. Louis, Mo.
Beaton & Caldwell Mfg. Co. ("Gem"), New Britain, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cadwallader Thos. ("Champion" Lawn Spray), Salem, O.
Crabill Hose Clamp Co., Battle Creek, Mich.
DEMING CO. ("Success"), Salem, O.
*See adv index at end of book*
Detroit Lead Pipe Works, Detroit, Mich.
Elkhart Brass Mfg. Co. ("Hoosier"), Elkhart, Ind.
Enterprise Mfg. Co. of Pa. ("Enterprise"), 3d & Dauphin, Phila., Pa.
Fellows J. B. & Co., Boston, Mass.
Hardware Supply Co. ("Triumph," "Rainbow"), Grand Rapids, Mich.
Haydenville Co., Haydenville, Mass.
Hero Mfg. Co. ("Hero"), Westmoreland av & Stokley, Phila., Pa.
Jones M. D. Co., 73 Portland, Boston, Mass.
Landers, Frary & Clark ("Crown"), New Britain, Conn.
Nelson L. R., 1810 S Washington, Peoria, Ill.
Neumeyer H. F. & Son ("New"), Macungie, Pa.
Noera Mfg. Co. ("Noera," "Waterbury"), Waterbury, Conn.
Novelty Mfg. Co. ("Niagara"), Waterbury, Conn.
Parker Wire Goods Co. ("Eureka"), Worcester, Mass.
Peck Bros. & Co., New Haven, Conn.
Peoria Can Co. (Square or Round Spray), Peoria, Ill.
Reade & McKenna (& Sprays), 614 60th, Brooklyn, N. Y.
Rock Island Mfg. Co. (& Sprays), Rock Island, Ill.
Sherman H. B. Mfg. Co. ("Duo Nozzle," also Rose Sprinklers), Battle Creek, Mich.
SPRAY ENGINEERING CO. ("Young Fountain," "Jack-in-the-Box"), 93 Federal, Boston, Mass.
*See adv index at end of book*

**"SPRACO"**
The "Jack-in-the-Box" Lawn Sprinkler. The "Young Fountain".
**SPRAY ENGINEERING CO.**
93 Federal St., BOSTON, MASS.

LAWN SPRINKLERS—continued

Standard Stamping Co., Huntington, W. Va.
Stearns E. C. & Co. ("Stearns" Reversible"), 450 Oneida, Syracuse, N. Y.
Stuber & Kuck Co. ("Perfect"), Peoria, Ill.
Thompson Mfg. Co., 2468 E 8th, Los Angeles, Cal.
Wilgus Mfg. Co. ("Wilgus"), Los Angeles, Cal.

## 7332—Leaching Apparatus (Tanners')

Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Machy. Co. ("Turner"), Peabody, Mass.

## 7332a— Lead Acetate

du Pont (E. I. )de Nemours & Co., (Sugar of Lead) (Acid & Heavy Chemical Sales Dept.), Wilmington, Del.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Chemical Co. (Crystals & Solutions), 25 Broad, New York
Grasselli Chemical Co. (Brown & White), Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.
Naugatuck Chemical Co., Naugatuck, Conn.

## 7333— Lead (Antimonial)

American Metal Co., 61 B'way, New York
American Smelting & Refining Co., 120 B'way, New York
Balbach Smelting & Refining Co., 580 Market, Newark, N. J.
Beer, Sondheimer & Co., Inc., 61 B'way, New York (Selling Agents)
Bunker Hill & Sullivan M. & C Co. ("Bunker Hill"), Crocker bldg, San Francisco, Cal.
Central Smelting & Refining Co., Borden av & Haywood, L. I. City, N. Y.
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
Eagle Smelting & Refining Works, 233 B'way, New York
Metals Refining Co., Inc., Edison bldg, Chicago, Ill.
Nassau Smelting & Refining Works, 607 W 29th, New York
North American Copper Co., 52 Vanderbilt av, New York
North American Smelting Co., Phila., Pa.
United Lead Co., 111 B'way, New York
U. S. Metals Refining Con., 61 B'way, New York

## 7333a— Lead Arsenate

Corona Chemical Co. ("Corona Dry" Powdered), 213 Lake, Milwaukee, Wis.
Dow Chemical Co. (Paste & Powder), Midland, Mich.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Lavanburg Fred L., 100 William, New York
Leggett & Bros., 301 Pearl, New York
Mechling Bros. Mfg. Co., Camden, N. J.
Merrimac Chemical Co. ("Swift's"), 148 State, Boston, Mass.
Riches River & Co., 30 Church, New York
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.

## 7334— Lead (Bar)

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
American Smelting & Refining Co., 120 B'way, New York
Chadwick-Boston Lead Co., 162 Congress Boston, Mass.
Central Smelting & Refining Co., Borden av & Haywood, L. I. City, New York
Coates, Bennett & Reidenbach, Rochester N. Y.
Detroit Lead Pipe Works, Detroit, Mich
Eagle Picher Lead Co. (The), 208 S La Salle, Chicago, Ill.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Lawrence Shot & Lead Co., Omaha, Neb.
Lehigh Chemical Co., Allentown, Pa.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
United Lead Co., 111 B'way, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn
U. S. Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*

## Lead (Black)

See Black Lead

## 7335— Lead (Blue)

Eagle Picher Lead Co. (The) ("Sublime"), 208 S La Salle, Chicago, Ill.

## 7336— Lead Burning Outfits

Albernethy John F., 703 Myrtle av, Brooklyn, N. Y.
Am. Lead Burning Co., Inc. (For Chemical Plants), 30 Church, New York
Carbo-Hydrogen Co. of America, Benedum Trees bldg, Pittsburgh, Pa.
Cox Brass Mfg. Co. ("Orihim"), Albany, N. Y.
Dyer H. G. Co., Cambridge, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Storage Battery Supply Co. (For Storage Batteries, etc), 239 E 27th, New York
Torchweld Equipment Co., 224 N. Carpenter, Chicago, Ill.

## Lead Calking

See Lead Wool

## 7337— Lead (Came)

Chadwick-Boston Lead Co., Boston, Mass.
Crown Metal Co., 259 Washington, Milwaukee, Wis.
Eagle Picher Lead Co., 208 S. La Salle, Chicago, Ill.
Lewis John T. & Bros. Co., Lafayette bldg, Phila., Pa.
Nat'l Lead Co., 111 B'way, New York
No. Amer. Cooper Co., 52 Vanderbilt av, New York
United Lead Co., 111 B'way, New York

## 7337a—Lead—Carbonate (White)

Eagle Picher Lead Co., 208 S. La Salle, Chicago, Ill.
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.

## 7337b— Lead (Chloride)

Cooper Chas. & Co., 194 Worth, New York

## 7338— Lead Chromate

Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.

## 7338a— Lead Coating (Lohman Process)

Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

## 7338b— Lead (Dioxide)

Chemical Co. of Am., 28 Platt, New York
Finkell Wm. T., 103 Maiden lane, New York.
Fuller Ralph L. & Co., 81 Fulton, New York
Savell & Frost, 732 Frankfort av., Cleveland, O.
Shepherd Chemical Co., Beech & Highland, Cincinnati, O.

## 7339— Lead (Glaziers')

Eagle Picher Lead Co. (The), 208 S La Salle, Chicago, Ill.
Nat'l Lead Co., 111 B'way, New York

## 7339a— Lead (Hyposulphide)

Doggett Stanley (Black, Imp), 11 Cliff, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin, Elec. bldg., Cleveland, O.

## 7340— Lead Joint Remover

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Smith A. P. Mfg. Co. ("French"), East Orange, N. J.

## 7340a— Lead (Lantern)

Chadwick-Boston Lead Co., Boston, Mass.

## 7340b— Lead Linoleate

Harshaw, Fuller & Goodwin, Elec. bldg., Cleveland, O.

## 7340c— Lead (Molybdate)

Foote Mineral Co., Inc., 107 N 19th, Phila., Pa.

## 7340d— Lead Nitrate

Harshaw, Fuller & Goodwin, Elec. bldg., Cleveland, O.
Tennant C. Sons & Co. of N. Y. (Imp), 100 William, New York

## 7340e—Lead Oxide (Litharge)

(See also Litharge)

Eagle Picher Lead Co., 208 S. La Salle, Chicago, Ill.
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.

## 7341— Lead (Pig)

Amercan Metal Co., 61 B'way, New York
American Smelting & Refining Co., 120 B'way, New York.
American Zinc, Lead & Smelting Co., 120 B'way, New York
Balbach Smelting & Refining Co., 580 Market. Newark, N. J.
Bunker Hill & Sullivan M & C Co. ("Bunker Hill"), Crocker bldg, San Francisco, Cal.
Central Smelting & Refining Co., Borden av & Hopwood, L. I City, N. Y.
Coates, Bennett & Reidenbach, Rochester, N. Y.
Detroit Lead Pipe Works, Detroit, Mich.
du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way New York
Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
Granby Mining & Smelting Co., St. Louis, Mo.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Hendricks Bros., 49 Cliff, New York
Hennings V. & Sons, 330 Belmont av, Brooklyn, N. Y.
Honkamp Bros., 3951 Wentworth av, Chicago, Ill.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
International Lead Refining Co., E. Chicago, Ind.
Johnson J. D. Co., 43 Boerum pl, Brooklyn. N. Y.
Kramer H & Co., 1330 W 21st pl, Chicago, Ill.
Lawrence Shot & Lead Co., Omaha, Neb.
Lehigh Chemical Co., Allentown, Pa.
Lissberger Marks & Son, 281 Borden av, Long Island City. N. Y
Merchant & Evans Co., Washington av 21st, Philadelphia, Pa.
*See adv index at end of book*
Metal Products Co., Inc., 100 S Jefferson, Chicago, Ill. *See adv index at end of book*
Metals Refining Co., Inc., Edison bldg, Chicago, Ill.
Midwest Brass & Copper Co., Inc., 480 Broome st, New York.
*See adv index at end of book*
Nassau Smelting & Refining Works, Ltd., 603 W 29th, New York
National Copper Refining Co., 7003 Quincy, Cleveland, O.
O'Connor J. J. & Co. (Dealer), 1st Nat'l Bank bldg, Pittsburgh, Pa.
Ohio Metal Co., 1137 N 4th, Columbus, Ohio
Penna. Smelting Co., First National Bank bldg, Pittsburg, Pa.
Richards & Company (Inc.), 192 Beverly, Boston, Mass.

St. Joseph Lead Co., 61 B'way, New York
Sandoval Zinc Co., 410 N. Peoria, Chicago, Ill. *See adv index at end of book*
Sofranscy H. Co., Allentown, Pa.
Trotter Nathan & Co. (Jobbers), 36 N Front, Phila., Pa.
United Lead Co., 111 B'way, New York
United Metals Selling Co., 42 B'way, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New York
U. S. Reduction Co., E Chicago, Ind.
U. S. Smelting, Ref. & Mining Co., ("U. S. S. Co."), 55 Congress, Boston, Mass.
Van Dyke Smelting & Refining Wks., Inc., 94 Van Dyke, Brooklyn, N. Y.
Vernon Metal & Produce Co., 25 Beaver, New York
Vogelstein L. & Co., 42 B'way, New York
Waterbury Scrap Iron Co., Waterbury, Conn.

## 7342—Lead Pipe Couplings & Fittings

Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch houses see Alphabetical Section*
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.

## 7343—Lead Pipe, Sheet & Pig Lead Mfrs.

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Am. Smelters Securities Co., 201 1st, San Francisco, Cal.
Baker Lead Mfg. Co., Worcester, Mass.
Blatchford E. W. Co., 230 N. Clinton, Chicago, Ill.
Chadwick-Boston Lead Co., Boston, Mass.
Charleston Lead Works, Charleston, S. C.
Columbia Smelting & Refining Works, 366 West, New York
Crown Metal Co., 259 Washington, Milwaukee, Wis.
Detroit Lead Pipe Works, Detroit, Mich.
Du Bois F. N. & Co., 247 9th av, New York
Eagle Picher Lead Co. (The), 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Fleck Bros. Co., 44 N 5th, Philadelphia, Pa.
Gibson & Price Co., Swetland bldg., Cleveland, O.
Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.
Jacobson I. M. & Sons Co. (Lead Pipe), 70 Catherine, Detroit, Mich.
Johnson J. D. Co. (Lead Pipe Only), 43 Boerum pl, Brooklyn, N. Y.
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
Lang E. M. Co., Portland, Me.
Lawrence Shot & Lead Co. (Sheet Lead), Omaha, Neb.
Lissberger Marks & Son, 281 Borden av, Long Island City, N. Y.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Metal Products Co., Inc., 100 S Jefferson, Chicago, Ill. *See adv index at end of book*

MICHIGAN SMELTING & REFINING CO.
1695 Jos. Campau, Detroit, Mich.

Millar Chas. & Son Co., Utica, N. Y.
Nassau Smelting & Refining Works, 607 W. 29th, New York
National Lead Co., 111 B'way, New York
National Lead & Oil Co. (of Pa.), (Sheet Lead), Commonwealth bldg, Pittsburgh, Pa.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
North American Copper Co., 52 Vanderbilt av, New York
North American Smelting Co., 9th & Thompson, Phila., Pa.
Phillips Lead & Supply Co., 91 S Main, Providence, R. I.
Raymond Lead Wks., 735 S Washtenaw av, Chicago, Ill.
Rochester Lead Works, Rochester, N. Y.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill. Works: Sandoval, Ill.
*See adv index at end of book*
Selby Smelting Wks., 201 1st, San Francisco, Cal.
Tillinghast L. H. Supply Co., 162 Dorrance, Providence, R. I.
Turner Lead Co. (Lead Pipe), E St. Louis, Mo.
United Lead Co., 111 B'way, New York
United Smelting & Aluminum Co., Inc., (Pig Head Only), 189 Commerce, New Haven, Conn.
U. S. Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*
Wensley Metal Products Co. (Lead, Pipe and Sheet), Denver, Colo.
Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.

## 7344—Lead Refiners (Electrolytic)

United Smelting & Aluminum Co., Inc.,
U. S. Metals Refining Co., 61 B'way, New York

## 7345—*Lead Refining Plants

Lehigh Chemical Co., Allentown, Pa.

## 7345a— Lead Resinate

Harshaw, Fuller & Goodwin, Elec. bldg., Cleveland, O.
National Oil Products Co., Harrison, N. J.
Scheel Wm. H., 159 Maiden Lane, New York.
*See adv index at end of book*

## 7345b— Lead Salts

Powers-Weightman-Rosengarten, 916 Parrish, Phila., Pa.

## 7345c— Lead Sheets

SMITH & McCROCKEN, INC., 411 E 18th, New York.

## 7345d— Lead Sulphate

Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
Lehigh Chemical Co., Allentown, Pa.
Pennsylvania Salt Mfg. Co., Widener bldg, Phila., Pa.
St. Louis Smelting & Refining Co., International Life bldg, St. Louis, Mo.

## 7345e— Lead (Tempering)

Chadwick Boston Lead Co., 162 Congress, Boston, Mass.
Lewis John T. & Bros. Co., Lafayette bldg, Phila., Pa.

## 7346—Lead Traps, Bends & Ferrules

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.
Chadwick Boston Lead Co., 162 Congress, Boston, Mass.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crown Metal Co. (Traps & Bends Only), 259 Washington, Milwaukee, Wis.
Detroit Sanitary Supply Co., 1191 2d, Detroit, Mich.
Du Bois F. N. & Co., 247 9th av, New York
Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
Johnson J. D. Co. (Traps & Bends Only), 43 Boerum pl, Brooklyn, N. Y.
Mechanicville Specialty Supply Mfg. Co., "J. R. S. Simplex" Ferrules), Mechanicville, N. Y.
National Lead Co., 111 B'way, New York
National Lead & Oil Co. (of Pa.), Commonwealth bldg, Pittsburgh, Pa.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
North American Copper Co., 52 Vanderbilt av, New York
Raymond Lead Wks., 735 S Washtenaw av, Chicago, Ill.
Rochester Lead Works, Rochester, N. Y.
Selby Smelting Wks., 201 1st, San Francisco, Cal.
United Lead Co., 111 B'way, New York
Wensley Metal Products Co., Denver, Colo.
Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.

## 7347—Lead (Wedge & Monumental)

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Chadwick-Boston Lead Co., Boston, Mass.
Crown Metal Co. (Wedge Only), 259 Washington, Milwaukee, Wis.
Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
North American Copper Co., 52 Vanderbilt av, New York
Wensley Metal Products Co., Denver, Colo.

## 7348— Lead Wool

Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
McLaughlin's Sons Co., 230 N 12th, Brooklyn, N. Y.
United Lead Co., 111 B'way, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Wensley Metal Products Co., Denver, Colo.

## 7349—Lead & Block Tin (Ribbon)

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Chadwick-Boston Lead Co., Boston, Mass.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
United Lead Co., 111 B'way, New York

## 7350— Leaders (Cattle)

Covert Mfg. Co., Troy, N. Y.
Landers, Frary & Clark, New Britain, Conn
Leavitt Mfg. Co., Urbana, Ill.
Phillips M. T., Pomeroy, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Sargent & Co., New Haven, Conn.
Smith Seymour & Son, Oakville, Conn.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

## Leaders (Dog)

See Chains, Dog Leads

## 7351—Leadite For Pipe Joints

Leadite Co., Land Title bldg, Philadelphia, Pa.

## 7352— Leads (Gill Net)

Crossley Lead & Machine Co., Erie, Pa.

## 7353— Leads (Sounding)

Chadwick-Boston Lead Co., Boston, Mass.
United Lead Co., 111 B'way, New York
Wilcox, Crittenden & Co., Inc. (& Net), Middletown, Conn.
*See adv index at end of book*

## 7354-5—Leaf (Composition)

Coe W. H. Mfg. Co., 74 Weybosset, Providence, R. I.
Swift M. & Sons, Hartford, Conn.

## 7356— Leather (Artificial)

Athol Mfg. Co., Athol, Mass.
Barrell Wm. L. Co., 8 Thomas, New York
Boston Woven Hose & Rubber Co. ("Synthide"), Cambridge, Mass
Chase L. C. & Co. ("Chase Leatherwove" Leather Substitute for Furniture, Car Seats & Wall Covering), 89 Franklin, Boston, Mass.
*See adv index at end of book*

CHASE Leatherwove
To take the place of most leathers in some respects to better

Diamond State Fibre Co., Elsmere, Del.
Duncan W. H. Co., Inc., 70 Worth, New York
Duratex Co. ("Duratex" & "Duratop"), 768 Frelinghuysen av, Newark, N. J.
Haartz J. C. (Inc.), 136 Federal, Boston, Mass.
Hettrick Mfg. Co., Toledo, O.
Keratol Co. ("Keratol"), 348 Van Buren, Newark, N. J.
Landers Bros. Co. (Celluloid Imitation), Toledo, O.
Lounsbery A. P., 11 W 5th, Cincinnati, O.
Mutty L. J. Co., 175 Congress, Boston, Mass.
National Fibre & Insulation Co., Yorklyn, Del.
O'Bannon Corp., 200 5th av, New York

LEATHER (ARTIFICIAL)—continued

Pantasote Co. ("Pantasote"), 11 B'way, New York
Pantasote Leather Co., Passaic, N. J.
Pickens Auto Cloth Co., 105 W 63rd, New York
Sillcocks-Miller Co. ("Texodren," for Upholstering, etc), So. Orange, N. J.
Standard Oil Cloth Co., 320 B'way, New York
Weymouth Art Leather Co., East Weymouth, Mass.
**ZAPON LEATHER CLOTH CO.** (Formerly Boston Artificial Leather Co.) ("Zapan," "Broncho," "Muleskin Leather Cloth," "Moroccoline"), 200 5th av, New York


The original Leather Cloth.

For thirty years the superior upholstery product. Broncho, Muleskin, Moroccoline, Randco, 170 Drill and Sheeting qualities. All grains and colors. Zapon means fine appearance, cutting economy and "It Wears—And Wears—And Wears."

ZAPON LEATHER CLOTH CO.
200 FIFTH AVE., NEW YORK, N. Y.

ZAPON Leather Cloth


### 7357—*Leather (Artificial-Imitation-Substitute)

Textile Leather Co., Inc., 212 5th av, New York

### 7358—Leather (Automobile Tire)

Chicago Tanning Co., 130 W Austin av, Chicago, Ill.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Wilder & Co., 228 W Lake, Chicago, Ill.

### 7359—Leather Butts, Bends Or Sides

Detroit Leather Specialty Co. ("Wear Well"), 275 Beecher av, Detroit, Mich.
Graton & Knight Mfg. Co., Worcester, Mass.

### 7359a—*Leather Cloth Mfrs.

See also Leather Artificial

**ZAPON LEATHER CLOTH CO.** (Formerly Boston Artificial Leather Co.), ("Zapon," "Broncho," "Muleskin Leather Cloth," "Moroccoline"), 200 5th av, New York


Pre-eminent for thirty years.

Zapon is supreme for all upholstery. Broncho, Muleskin, Moroccoline, Randco, 170 Drill and Sheeting qualities all carry the advantage of fine appearance, long wear, workability and economy. Ask for samples.

ZAPON LEATHER CLOTH CO.
200 FIFTH AVE., NEW YORK, N. Y.

ZAPON Leather Cloth


### 7360—Leather Covering For Iron Pulleys

Graton & Knight Mfg. Co., Worcester, Mass.

### 7360a—*Leather Finishes

**INNIS SPEIDEN & CO.**, 46 Cliff, New York
*See adv index at end of book*

## Leather Goods

See the Specific Articles Required

### 7361—Leather (Harness)

Allen Bona (Inc.), Buford, Ga.
Allen N. R. Sons Co., Kenosha, Wis.
American Hide & Leather Co., 1330 Elston av, Chicago, Ill.
Anstedt C. Leather Co., 560 Commerce, Milwaukee, Wis.
Armour Leather Co., 175 N Franklin, Chicago, Ill.
Armstrong Tanning Co., Hart & Charlevoix, Detroit, Mich.
Atlantic Leather Co., Ave A, Newark, N. J.
Badger State Tanning Co., Sheboygan, Wis.
Bretney H. V. Co., Springfield, O.
California Tanning Co., 1905 Shenandoah av, St. Louis, Mo.
Conrad Bros., 682 Commerce, Milwaukee, Wis.
England Walton & Co., 3d & Vine, Phila., Pa.
Given R. & Son Co., Sidney, O.
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Haffner Bros. Co., 1130 Hopple, C W, Cincinnati, O.
Kroehle's A. Sons Co., Jennings rd, S W, Cleveland, O.
Kulmann, Salz & Co., Benicia, Cal.
Loescher J. Tannery Co., Muskegon, Mich.
Mooney W. W. & Sons, Columbus, Ind.
Nickelsburg Bros. Co., Meadow, Newark, N. J.
Pfister & Vogel Leather Co., Milwaukee Wis.
Reid Wm. W., 235 W. Lake, Chicago, Ill.
Scholze Robt. Tannery, Chattanooga, Tenn.
Shultz Belting Co. ("Sable Oak"), Fourth & Barton, St. Louis, Mo.
Stifel Chas. F. Co., Preble & Juniata, N S Pittsburgh, Pa.
Trostel A. & Sons Co., 612 Commerce, Milwaukee, Wis.
United States Leather Co., 204 Essex, Boston, Mass.
Wilder & Co. (Jobbers), 228 W Lake, Chicago, Ill.
Williams I. B. & Sons, Dover, N. H.
Woelfel Leather Co., Morris, Ill.
Zeller G. F. & Sons, 272 Howard, Buffalo, N. Y.

### 7362—Leather (Hydraulic & Valve)

Auburn Leather Goods Co., Auburn, N. Y.
Auer C. A., Corry, Pa.
Bickford & Francis Belting Co., 34 Pearl, Buffalo, N. Y.
Chicago Rawhide Mfg. Co. ("Krome") 1301 Elston av, Chicago, Ill.
Cowan Andrew & Co., Louisville, Ky.
Etsweiler William, 230 N 3d, Phila., Pa.
Graton & Knight Mfg. Co., Worcester, Mass.
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Hough Chas. N. Mfg. Co., Franklin, Pa.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Ladew Edw. R. Co., 54 Franklin, New York
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.
Palmer N. & Co., Bridgeport, Conn.
Schieren Chas. A. Co., 30 Ferry, New York
Shultz Belting Co., Fourth & Barton, St. Louis, Mo.

### 7363—Leather (Mechanical)

Chicago Rawhide Mfg. Co. ("Krome" Water, Oil, Steam & Heat Proof), 1301 Elston av, Chicago, Ill.
Nott W. S. Co., 2d av N & 3d, Minneapolis, Minn.

### 7364—Leather Mechanical Goods

Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
Raniville F. Co., Grand Rapids, Mich.

### 7365—Leather (Nail)

American Leather Products Co., Indianapolis, Ind.
Parker & Hafner, Williamsport, Pa.

### 7366—Leather (Patent & Enameled)

Algonquin Leather Co., North Woburn, Mass.
Allen Bona (Inc.), Buford, Ga.
American Leather Mfg. Co., Newark, N. J.
American Oak Leather Co., Kenner, Dalton & McLean avs, Cincinnati, O.
Ashtabula Hide & Leather Co., Ashtabula, Ohio
Atlantic Leather Co., Ave A, Newark, N. J.
Ballard Japanning Co., Woburn, Mass.
Beggs & Cobb Tanning Co., Boston, Mass.
Blanchard Bros. & Lane, 20 Bruen, Newark, N. J.
Bristol Patent Leather Co., 315 Arch, Phila., Pa.
Buckman & Kean Japanning Co., Woburn, Mass.
Cleveland Tanning Co., Denison av & B. & O. R. R., Cleveland, O.
Conneaut Leather Co., Conneaut, O.
Dunn Green Leather Co., 32 South, Boston, Mass.
Eagle Ottawa Leather Co., 288 W Lake, Chicago, Ill.
Eclipse Tanning Co., 119 Sussex av, Newark, N. J.
Fleet Frank E. Co., 112 Beach, Boston, Mass.
Foncar Mary M., Woburn, Mass.
General Leather Co., 414 Frelinghuysen av, Newark, N. J.
Good Bros., Leather Co., 142 Frelinghuysen av, Newark, N. J.
Halsey Patent Leather Co., Winchester, Mass.
Halsey J. H. & Smith, New, Newark, N. J.
Hopkinson Leather Co., Woburn, Mass.
Howell T. P. & Co., New, Newark, N. J.
Howell-Hinchman Co., Middletown, N. Y.
Kaufherr & Co., 42 Garden, Newark, N. J.
Kelly & McLaughlin, 93 Colden, Newark, N. J.
Kimball B. F. & Co., Woburn, Mass.
Lackawanna Leather Co., Hackettstown, N. J.
Lang Henry Co., 17th av, Newark, N. J.
McCormick E. H. & Sons, 2822 Avenue C, Newark, N. J.
Murray Japanning Co., Woburn, Mass.
Ohio Tanning Co., Av C, Cincinnati, O.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Radel Leather Mfg. Co., Wilson av, Newark, N. J.
Reilly John, 40 Av C, Newark, N. J.
Reilly P. & Son, Passaic av, Newark, N. J.
Riordan Leather Co., 252 South, Newark, N. J.
Seton Leather Co., 62 Verona av, Newark, N. J.
Smith L. M. & Sons, 59 Lock, Newark, N. J.
Sommer H. F. & Co., 219 Hamburg pl, Newark, N. J.
Stengel Geo., Inc., Waverly, N. J.
Stengel & Rothschild, Main, Newark, N. J.
Straus M. & Sons, 506 Frelinghuysen av, Newark, N. J.
Thayer Foss Co., 15 South, Boston, Mass.
Woburn Leather Co., Woburn, Mass.

### 7367—Leather (Polishing)

Auer C. A., Corry, Pa.
Palmer N. & Co., Bridgeport, Conn.
Peckham Mfg. Co., 244 South, Newark, N. J.

### 7368—Leather Stuffing Apparatus

Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

## Leathers (Clutch)

See Linings, Clutch

### 7368a—*Leathers (Moulded)

Barwood L. J. Mfg. Co. (Barwood'), Stoneham 80, Boston, Mass.
*See adv index at end of book*

### 7369—Leathers (Pump)

Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
*See adv index at end of book*
Detroit Leather Specialty Co., 275 Beecher av, Detroit, Mich.

Graton & Knight Mfg. Co. (Oak Tanned), Worcester, Mass.
**Houghton E. F. & Co. ("Vim"), 240 Somerset, Phila., Pa.**
**Judd & Leland Mfg. Co., Clifton Springs, N. Y.**
Kendrick Valve & Washer Co., Syracuse, N. Y.
Mark Mfg. Co., Evanston, Ill.
**MYERS F. E. & BRO.,** 90 Fourth, Ashland, O. *See adv index at end of book*
Norwich Belt Mfg. Co. (Pump Valve), **Norwich, Conn.**
**Nott W. S. Co., 2d av N & 3d, Minneapolis, Minn.**
**Palmer N. & Co., Bridgeport, Conn.**
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Simplex Mfg. Co., Auburn, N. Y.

## 7370— Lecithin

Bardewyck R., 150 Nasau, New York
Digestive Ferments Co., Detroit, Mich.

## Ledgers (Loose Leaf)

See Loose Leaf Devices

## 7370a— *Leggings

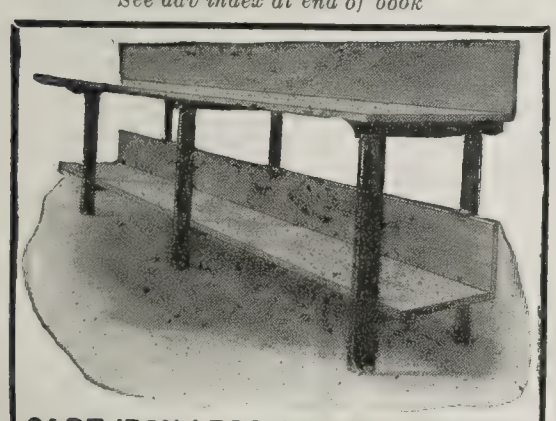
**COUCH MILLS CO.,** Atlanta, Ga.

## 7371—Leggings (Sportsman's)

B. E. Mfg. Co. (Leather & Canvas "Benico"), 18 W 18th, New York
Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.
Hagerstown Shoe & Legging Co. ("Halco"), Hagerstown, Md.

## 7372— Legs (Bench)

**Chicago Hardware Foundry Co., North Chicago, Ill.**
Garwood Bronze & Iron Works (Cast Iron), Garwood, N. J.
*See adv index at end of book*



CAST IRON LEGS FOR SHOP BENCH
GARWOOD BRONZE & IRON WKS.
GARWOOD, N. J.

Manufacturing Equipment & Engineering Co. ("Meeco"), Framingham, Mass.
New Britain Machine Co. ("New Britain, Pressed Steel), 190 Chestnut, New Britain, Conn.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.

## 7373— Legs (Closet Seat)

**American Foundry & Mfg. Co., 11th & Herbert, St. Louis, Mo.**
***See adv index at end of book***
Berglas M. P. Mfg. Co., 10 Fulton, Brooklyn, N. Y.
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Modern Iron Works, Quincy, Ill.
**Shwab Bros. Co., 811 E 9th, New York**
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Wolff L. Mfg. Co., 111 N Dearborn, Chicago, Ill.

## 7374—Legs (Closet & Urinal Stall)

**ATCHESON MFG. CO.,** Larkin, Pa.
***See adv index at end of book***
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Sanitary Mfg. Co. ("American"), Abingdon, Ill.
Carpenter R. F. Mfg. Co., 984 E 64th, Cleveland, O.
**COLUMBUS BRASS CO., 538 Dublin av, Columbus, O.**
*See adv index at end of book*
East Bangor Consolidated Slate Co., East Bangor, Pa.
Edwardsville Brass Co., Edwardsville, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
McCambridge & Co., 315 N 20th, Philadelphia, Pa.
Monarch Brass Co., Cleveland, O.
Pittsburgh Brass Mfg. Co. Penn & 32nd, Pittsburgh, Pa.
Ryan J. J. & Co., 101 S Jefferson, Chicago, Ill.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
**Zero Valve & Brass Mfg. Co., Buffalo, N. Y.**

## 7375— Legs (Counter)

Wrightsville Hardware Co., Wrightsville, Pa.

## 7376— Legs (Drain Board)

Trenton Brass & Machine Co. (Telescoping), Trenton, N. J.

## 7377— Legs (Laundry Tub)

Bohrer R. E., 347 North, Rochester, N. Y.
**Cheney S. & Son, Manlius, N. Y.**
Haines, Jones & Chadbury, ("Hajoca"), 1136 Ridge av Phila., Pa.
Modern Iron Works, Quincy, Ill.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Union Foundry Co., Anniston, Ala.

## 7378— Legs (Lavatory)

American Brass & Copper Co. (Brass, Polished, Nickel, etc), 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco" Brass), Waterbury, Conn.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
**Douglas John Co., Carthage, Cincinnati, O.**
Du Bois F. N. Co., 247 9th av, New York
Edwardsville Brass Co., Edwardsville, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
Mott J. L. Iron Works, Trenton, N. J.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh Pa.
Warren Brass Foundry, Warren, O.

## 7379—Legs (Sewing Machine Table)

Fisher Knitting Machine Co., Utica, N. Y.

## 7380—Legs (Sink & Wash Tray)

Acme Mfg. Co., Bangor, Me.
Ahrens & Ott Mfg. Co., 14-30 N Peoria, Chicago, Ill.
Bailey F. T. & Co., N. Scituate, Mass.
Bignall Co., Medina, N. Y.
Central Foundry Co. (Cast Iron), 90 West New York
Cheney S. & Son, Manlius, N. Y.
Edwardsville Brass Co., Edwardsville, Ill.
Haines, Jones & Cadbury Co. ("Hajoca" Cast Iron), 1136 Ridge av, Phila., Pa.
Swett A L Iron Works (Cast Iron & Steel, 145 Glenwood av, Medina, N. Y.

## 7381-2— Legs (Table)

Ohio Scroll & Lumber Co., Covington, Ky.
South Bend Dowel Works, South Bend, Ind.
**STEVENSON MFG. CO.,** South Bend, Ind.
*See adv index at end of book*

## Legs (Urinal)

See Legs, Closet & Urinal Stall

## 7383—Lehrs (Annealing, Window Glass)

Dixon H. L. Co., Rosslyn rd, Carnegie, Pa.
Woods-Lloyd Co. ("Tondeur"), S 30th & Jane, Pittsburgh, Pa.

## 7383a—"Lenix" Belt Drive

**SMIDTH F. L. & CO.,** 50 Church, New York

## 7384— Lenses

Allendorf Co. ("Moia," Photographic), Cleveland, O.
American Optical Co., Southbridge, Mass.
Atchison Optical Co., Atchison, Kans.
Apdel Philip & Co., 50 John, New York
Bache, Semon & Co. (Imp.), 636 Greenwich, New York
**Bausch & Lomb Optical Co. ("Centex," "Punktal," "Deltar," "Krypstok," "Ultex" Opthalmic Projection, "Tessar" & "Protar" Photographic), Rochester, N. Y.**
Berger Albert & Co. (" W. B. & C."), 45 John, New York
Consolidated Lamp & Glass Co. (Flashlight), Coropolis, Pa.
Corning Glass Works ("Spredlite," Bullseye, Fresnel, for Ship Lights, Corrugated for Semaphores & Other Signals), Corning, N. Y.
Crown Optical Co. (Photographic), Rochester. N. Y.
Cusack Thos. Co. ("De Luxe" Sign), W Harrison & Loomis, Chicago, Ill.
Dayton Lens & Glass Beveling Wks., Dayton, Ohio
Fry H. C. Glass Co., Rochester, Pa.
General Optical Co., 50 E 42nd, New York
Genesee Optical Co. ("Toroid"), Rochester, N. Y.
Goerz C. P. American Optical Co. (Photographic), 317 E 24th, New York
Graf Lens Co. (Binocular, Motion Picture Photographic & Other High Grade Optical Instruments), South Bend, Ind.
Gundlach-Manhattan Optical Co. (Photographic), Rochester, N. Y.
Jefferson Glass Co., "Moonstone," "Ionian," "Nitroglas," "Doric-all-one," "Jefferson," "Doriclite"), 5 So Wabash, Chicago, Ill.
Murphy Geo. (Inc.), ("Boss" Photographic), 57 E 9th, New York
**Jefferson Glass Co. (Automobile, Railway Signal, Flashlight & Moving Picture) Follansbee, W. Va.**
Libbey Glass Co., Toledo, O.
Macbeth-Evans Glass Co. (Flashlight), Chamber of Commerce bldg, Pittsburgh, Pa.
Madden Glass Co. ("Maddens," "Original," "Fanlites" Deflecting Automobile), Aberdeen, S. Dak.
Optical Lens Co., Southbridge, Mass.
Pinkham & Smith Co. (Photographic), 288 Boylston, Boston, Mass.
Popper & Son, Leo. (Flashlight), 143 Franklin, New York
Prismolite Co., 74 E Gray, Columbus, O.
Rodefer Glass Co. The (Pressed Bullseye Lenses for Pocket Flashlights, etc), Bellaire, O. *See adv index at end of book*
Sneath Glass Co. (All Colors), Hartford City, Ind.
Spencer Lens Co. (Photographic), Buffalo, N. Y.
Spencer Optical Co. (Optical), 5 Maiden la, New York
Siegman & Weil (Flashlight), 20 E 27th, New York
Simplex Photo Products Co. (Projection) Morris Park, Port Richmond, N. Y.
Tilton Optical Co., Tilton, N. H.
United States Lens Co., Geneva, N. Y.
Voigtlander & Sohn, 240 E Ontario, Chicago, Ill.
Wheeling Glass Letter & Novelty Co. (Sign), Wheeling, W. Va.
Wollensak Optical Co. (Photographic, etc), Rochester, N. Y.
Wood William F. & Son (Toric), South Coventry, Conn.

## 7385—Lenses (Automobile Lamp)

**American Spectacle Co., 1328 Broadway, New York**
Bache, Semon & Co. (Imp.), 636 Greenwich, New York
Bausch & Lomb Optical Co., Rochester, N.Y.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Corning Glass Works, Corning, N. Y.
Fry H. C. Glass Co., Rochester, N. Y.
Holophane Glass Co., 340 Madison av, New York
Jefferson Glass Co., Follansbee, W. Va.

LENSES (AUTOMOBILE LAMP)—cont.

Lancaster Lens Co. ("Lancaster"), Lancaster, O.
Legalite Corp., 120 Boylston, Boston, Mass.
McKee Glass Co., Jeannette, Pa.
Macbeth-Evans Glass Co., C of C bldg, Pittsburgh, Pa.
Matisse C. & A. (Condensing), 551 E 116th, New York
Raydex Mfg. Co., Inc., Brackenridge, Pa.
Saferlite Lens Co., 220 5th av, New York
Super Lighting Co. ("Controllite"), 1842 B'way, New York
Warner-Lenz Co., 914 S. Michigan av, Chicago, Ill.

## 7385a— Lenses (Glasses)

Raydex Mfg. Co., Inc., Brackenridge, Pa.

## 7385b— Lepidolite

Drakenfeld B. F. & Co. ("Kallith"), 50 Murray, New York

## 7385c— Letters (Brass & Bronze)

See also Numbers & Letters Metal

**GRAMMES L. F. & SONS,** (For Building), Allentown, Pa.
*See adv index at end of book*
Heath J. S., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, Ohio, & 68 W Washington, Chicago, Ill. *See adv index at end of book*
Sargent & Co., New Haven, Conn.
Waterbury Button Corporation (House, Sign, etc,), 831 S Main, Waterbury, Conn. *See adv index at end of book*

## Letters (Changeable Building Directory)

See Building Directories, Changeable

## 7386— Letters (Glass)

Chicago Glass Novelty Co., Marion, Ind.
Herrlein & Henrich Co. (Cut), 97 Hudson, New York

## 7387— Letters (Milk Can)

Central Stamping Co., 172 Fulton, New York
Grammes L. F & Sons, Allentown, Pa.
*See adv index at end of book*
National Enameling & Stamping Co., 411 5th av, New York

## 7388— Letters (Office Door)

Grammes L. F & Sons, Allentown, Pa.
*See adv index at end of book*
Nytanday Letter & Design Co. ("Nytanday" Metal), 100 William, New York

## 7389—Letters (Porcelain Sign)

Brilliant Sign Letter Co., 478 6th av, New York
Cambridge Tile Mfg. Co., Covington, Ky.
Colonial Sign & Insulator Co. (For Electric Signs), Akron, O.
Manhattan Dial Mfg. Co., 40 Lexington av, B'klyn, N. Y.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., & 68 W Washington, Chicago, Ill. *See adv index at end of book*

## 7390— Letters (Sign)

Brilliant Sign Co., 3531 Washington, St. Louis, Mo.
Chicago Glass Novelty Co., Marion, Ind.
Federal Sign System (Electric, Metal), 8700 S State, Chicago, Ill.
Metallic Sign Letter Co. (Metallic), 433 N Clark, Chicago, Ill.
Pioneer Corporation (Eradium 5th Luminous), 1249 W 65th, Chicago, Ill.
Pressed Prism Plate Glass Co., 25 N Dearborn, Chicago, Ill.
Universal Sign & Letter Co. (Metal), Brooklyn, N. Y.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 7391—Letters (Sign, Cast Iron)

Benfield Milne Mfg. Co., 80 Homes, Newark, N. J
Heath J. S. & Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Ziegler Bros. Co. (Removable Metallic), Elgin, Ill.

## Letters (Transfer)

See Ornaments, Transfer

## 7392— Letters (Wood)

Dogert & Hopper, Inc. (Enameled Wood), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons (Enameled, etc), 364 5th av, New York
*See adv index at end of book*
Spanjer Bros. (For Signs from 3 to 16 inches), 198 Badger av, Newark, N. J.

## 7393—Letters & Figures (Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Waterbury Button Corporation, 831 S Main, Waterbury Conn.
*See adv index at end of book*

## 7394—Letters & Figures (Harness)

Enterprise Mfg. Co., Akron, O.

## 7395—Letters & Figures (Pattern)

American Casting & Mfg. Corp., Brooklyn, N. Y.
Brim A. W. (White Metal & Brass, Seneca Falls, N. Y.
Brodin Pattern & Supply Wks., 2420 W 16th, Chicago, Ill.
**BUTLER A. G., INC.,** 152 Chambers, New York
Chain Products Co. (White Metal & Brass), 3924 Cooper av, Cleveland, O.
Crawford Supply Co. (White Metal), Bucyrus, O.
Everett A. & Son (White Metal & Brass), Auburn, N. Y.
Freeman Pattern Supply & Mfg. Co., Toledo, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Knight H. W. & Son (White Metal & Brass), Seneca Falls, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Matthews Jas. H. & Co. (Pattern House, etc), 3942 Forbes, Pittsburgh, Pa.
Niagara Falls Metal Stamping Works (Steel, Brass & Aluminum), Niagara Falls, N. Y.
Oliver Machinery Co., Grand Rapids, Mich.
Roovers Bros. (Presses for Making), 100 Schermerhorn, Brooklyn, N. Y.
*See adv index at end of book*
St. Louis Electrotyping Foundry, 125 S 8th, St. Louis, Mo.
Shanafelt Mfg. Co., Canton, O.
Wellman Co. (White Metal), 1444 E 49th, Cleveland, O.

## 7396—Letters & Figures (Steel)

Allen, Doane & Co. ("Liberty Brand"), 29 Cornhill, Boston, Mass.
Boker Cutlery Hardware Co., 101 Duane, New York.
Chain Products Co., 3924 Cooper av, Cleveland, O.
Cleveland Steel Stamp Works Co., Commercial bldg, Cleveland, O.
Everett A. & Son, Auburn, N. Y.
Goodell-Pratt Co. (For Metal Stamping), Greenfield, Mass.
Grammes L. F. & Sons (Alphabets), Allentown, Pa. *See adv index at end of book*
Hanson C. H. Co. (Machine Made, Cold Rolled), 178 N Clark, Chicago, Ill.
Keene Fred H. ("Star" "Swaged") 152 Chambers, New York
Knight H. W. & Son (For Steel Stamping), Seneca Falls, N. Y.
Konigslow E. Stamping & Tool Works, Cleveland, O.
Matthews Jas. H. & Co. (Hand Made), 3942 Forbes, Pittsburgh, Pa.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Newman Mfg. Co. (Lithographed), 717 Sycamore, Cincinnati, O., & 68 W Washington, Chicago, Ill.
*See adv index at end of book*
Niagara Falls Metal Stamping Works (Also Stamp, Brass & Aluminum), Niagara Falls, N. Y.
Quality Die Co., 1430 E. 64th, Chicago, Ill.
Schoder & Lombard Stamps & Die Co., 202 Centre, New York
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

## 7396a— *Leukonin

Harshaw, Fuller & Goodwin, Elec. bldg., Cleveland, O.

## 7397— Levelers (Coke)

Alliance Machine Co. (Combined Pusher & Leveler), Alliance, O.
Atlas Car & Mfg. Co. (Electric), Cleveland, O. *See adv index at end of book*
Covington Machine Co. (For Bee-Hive Coke Ovens), Covington, Va.
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*

## 7398— Levelers (Coopers')

White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 7399—Levelers (Roller, For Plates & Sheets)

**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*

## 7400— Levels

Acme Level & Mfg. Co., Toledo, O.
Ainsworth Wm. & Sons ("Wye," "Dumpy"), Denver, Colo.
Athol Machine Co. (Iron Pocket Plumbers', Machinists', Iron Bench, Carpenters', etc), Athol, Mass.
Bausch & Lomb Optical Co. ("Wye," "Dumpy," "Precise," etc), Rochester, N. Y.
Beckmann L. Co., 1003 Jackson, Toledo, O.
Bedortha Bros., Windsor, Conn.
**BERGER C. L. & SONS** ("Monitor"), 37 Williams. Boston, Mass.
Bostrom-Brady Mfg. Co. ("Bostrom," Builders), Atlanta, Ga.
Chapin-Stephens Co. (Adjustable & Non-Adjustable Machinists', Brass Cornered, etc), Pine Meadow, Conn.
Crescent Tool Mfg. Co. (Brick Masons'), 1002 Cass av, St. Louis, Mo.
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Disston Henry & Sons (Inc.), (Iron Shafting Pocket, Machinists', etc), Tacony, Phila., Pa.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Frost & Adams Co. ("Yankee" Compound), 25 Arch, Boston, Mass.
Geier & Blum ("Wye"), Troy, N. Y.
Goodell-Pratt Co. ("Richardson," "Stratton Level Co." Pocket, Bench, Engineers', Wood & Iron & Aluminum), Greenfield, Mass.
Gurley W. & L. E. (Architects', Engineers', Contractors' & Builders', etc), Troy, N. Y.
Helb Edward ("American" Combined Level & Grade Finder), Railroad, Pa.
Heller & Brightly (Engineers), Dept. H, 1122 Spring Garden, Phila., Pa.
Iszard-Warren Co., ("Sterling") 136 N 12th, Philadelphia, Pa.
Jackson S. R. ("Spirit," "Cook" Pat. also "Davis & Cook" Graduated Aluminum Plumb & Level), Watertown, N. Y.
Jennings C. E. & Co. ("C. E. J. & Co.'s" Iron, Hexagon, Adjustable, etc), 71 Murray, New York
Keuffel & Esser Co. ("Abney's," "Dumpy," "Locke's," Architects & Farm), Hoboken, N. J.
King Level Works ("King Spirit"), Brighton, Mich.
Kolesch & Co., 138 Fulton, New York
Lietz A. Co., 61 Post, San Francisco, Cal.
Millers Falls Co. (Iron), 28 Warren, New York
Pease C. F. Co. (Contractors), 820 N Franklin, Chicago, Ill.
*See adv index at end of book*

Pennsylvania Instrument Co., 618 Chestnut, Phila, Pa.
*See adv index at end of book*
Pfister Wm. H. (Architects' & Builders'), 230 W 4th, Cincinnati, O.
Prince L. M. Co., 108 W 4th, Cincinnati, O.
Putnam Machine Co. (Iron, Machinists', etc), Fitchburg, Mass.
Queen-Gray Co. (Architects', Engineers', etc), 618 Chestnut, Phila., Pa.
Robinson M. W. Co. ("Davis" Patent Iron), 296 B'way, New York
Sand J. & Sons (Plumbs & Levels, 1023 Rivard, Detroit, Mich.
Sawyer Tool Mfg. Co. (Cross Adjustable Bench, Combination & Pocket), Ashburnham, Mass.
Southington Hardware Co. (Steel), Southington, Conn.
Stanley Rule & Level Co. (Bit & Square, Iron, Wood, Pocket, etc), New Britain, Conn.
**STARRETT L. S. CO. (THE)** (Iron, Adjustable Bench, etc), Athol, Mass.
*See adv index at end of book*
Stearns E. C. & Co. (Bit & Square), 450 Oneida, Syracuse, N. Y.
Taylor Instrument Companies ("Tycos," "Abney"), Rochester, N. Y.
Ulmer J. C. Co. (Engineers', Architects' (etc.) ("Ulmer"), E 38th & Kelly, Cleveland, O.
Warren-Knight Co. ("Sterling"), 136 N 12th, Phila., Pa.
White David Co. (Architects' Convertible, Transit, Dumpy, Farm, Engineers' Y & "Locke's" Hand), 419 E Water, Milwaukee, Wis.
Williamsburg Mfg. Co. (Machinists', Hex, Pocket, etc), Williamsburg, Mass.
Woodwell Joseph Co. ("Jackson" Aluminum Line), 207 Wood, Pittsburgh, Pa.
Young & Sons (Engineers', etc), 43 N 7th, Phila., Pa.

## 7401— Levels (Track)

Aldon Co., 3338 W Ravenswood av, Chicago, Ill.
Buda Co. ("McManus" Combined Track Gauge Level, etc), Railway Exchange bldg, Chicago, Ill.
Chapin-Stephens Co., Pine Meadow, Conn.
Disston Henry & Sons (Inc.), (Levels & Gauges), Tacony, Phila., Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Irving Mfg. & Tool Co., 157 Chambers, New York
Jackson S. R. ("Cook"), Watertown, N. Y.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Verona Tool Wks., Verona, Pa., & Pittsburgh, Pa.

## 7402—Levers (Automobile Control)

Baker Gun & Forging Co., Batavia, N. Y.
Brown-Lipe Gear Co., Syracuse, N. Y.
Halladay L. P. Co. (Side), Streator, Ill.
Mechanics' Machine Co., Rockford, Ill.
Oakes Co. (Pressed Steel & Stamped), Indianapolis, Ind.
Ohio Forge Co. (Forged), Cleveland, O.
Warner T. W. Co., Muncie, Ind.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Western Tool & Forge Co., Brackenridge, Pa.
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.

## 7403— Levers (Brake)

Altoona Iron Co. (Wrought Iron), Altoona, Pa
Bethlehem Steel Co., So Bethlehem, Pa.
Bonney Vise & Tool Wks. Inc. (Automobiles), Allentown Pa.
*See adv index at end of book*
Halladay L. P. Co. (Side), Streator, Ill.
Kansas City Bolt & Nut Co. (Forged), Kansas City, Mo.
National Screw & Tack Co., Stanton av, S. E. & C. & P. Ry, Cleveland, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Pittsburgh Knife and Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa. Works, Ellwood City, Pa.
Valley Forging Co., Verona, Pa.
Williams J. H. & Co., (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 7404—Levers (For Goosenecks)

Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.

## 7405— Levers (Igniter)

Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
Williams J. H. & Co., (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 7406—Lewises (Pin, Chain, Etc.)

Brunner & Lay, 570 W Polk, Chicago, Ill.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.

## 7407—Library Shelving & Fittings (Metallic)

**ART METAL CONSTRUCTION CO.**, Jamestown, N. Y.
*See adv index at end of book*
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
General Fireproofing Co. ("G. F. Allsteel"), Youngstown, O.
Keighley S. Metal Ceiling & Mfg. Co., 124 3 av, Pittsburgh, Pa.
Library Bureau, 43 Federal, Boston, Mass.
Snead & Co., ("Green's"), Jersey City, N. J.
Steel Fixture Mfg. Co., Topeko, Kan.
Stiffel & Freeman Co., Lititz, Pa.
Stikeman Geo. ("Stikeman"), 114 W 32d, New York

## 7408-9—Licorice (Powdered)

Hillier's R. Son Co., 100 William, New York
Hopkins J. L. & Co., 100 William, New York
Jacob Chas. W. & Allison, 18 Cedar, New York
Peek & Velsor (Imp), 9 Gold, New York

## 7410— Lids (Journal Box)

Allegheny Steel Co. (Stamped Steel), Oliver bldg, Pittsburgh, Pa.
American Shovel & Stamping Co., Lorain, Ohio
Davis Brake Beam Co., Johnstown, Pa.
McCord & Co., 122 S Michigan av, Chicago, Ill.
Railway Steel Spring Co., 30 Church, New York
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Symington T. H. Co., Md. Trust bldg, Baltimore, Md.
Union Spring & Mfg. Co. (Pressed Steel), 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*

## 7411—Lids (Repair, Curb Box)

Paradine Mfg. Co., Erie, Pa.

## 7412— Lids (Stove)

Wehrle Co., Newark, O.

## Life Boats

See Boats & Rafts, Life

## Life Nets

See Nets, Life Saving

## 7413— Life Preservers

Armstrong Cork Co. ("Acme"), 24th & A. V. R. R., Pittsburgh, Pa.
Brauer Justus & Son, 129 Arch, Phila., Pa
Davol Rubber Co., 69 Point, Providence R. I.
Drein Thos. & Sons Co., Wilmington, Del
Galbraith C. C. & Son, 90 West, New York
Goodyear Rubber Co., & Rubber Clothing Co., 787 B'way, New York
Hodgman Rubber Co., 8 W 40th, New York
Independent Cork Co., 574-576 Hamilton av, cor. 17th, Brooklyn, N. Y.
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Kahnweiler's David Sons, 260 Front, New York
Mundet L. & Sons, Ferris, Brooklyn, N. Y.
National India Rubber Co., Bristol, R. I.
National Life Preserver Co. (Life Saving Suit), 11 B'way, New York
Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.
Regina Swimming Devices & Novelty Co., 22 E 21st, New York
Robinson, Roders Co., Newark, N. J.

## Life Rafts

See Boats & Rafts, Life

## 7413a— Life Saving Appliances

See also other Headings under Life
Cleveland Breathing Machine Co. ("Lyon" Mechanical Resuscitating Device), 1856 Euclid av, Cleveland, O.
Masten G. H. Co., Inc., 222 E 46th, New York

## Lifters (Automobile Valve)

See Tools, Valve Removing

## 7414— Lifters (Beet, Etc.)

Bay City Plow Works, Bay City, Mich.

## 7415— Lifters (Car Step)

St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## Lifters (Core)

See Bits, Core

## 7416— Lifters (Heel)

Richard Stephen Co., Southbridge, Mass.

## 7417— Lifters (Hot Pan)

Cassady Fairbank Mfg. Co. ("Nash"), 6136 S La Salle, Chicago, Ill.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.

## 7417a— *Lifters (Net)

Dake Engine Co., Grand Haven, Mich.

## Lifters (Sash, Bar)

See Lifts Sash

## 7418— Lifters (Stove Lid)

Adams Co., Dubuque, Ia.
Adell Mfg. Co. ("Never Slips"), Orange, Mass.
Arcade Mfg. Co., Freeport, Ill.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Fanner Mfg. Co. ("Arctic," Steel Wire Handle), Cleveland, O.
Fisher Adams Mfg. Co., 3624 Enright, St. Louis, Mo.
Gray Iron Foundry Co. (Cast Iron), Reading, Pa.
Grey Iron Casting Co. ("Cold Handle," "My Choice," "Favorite"), Mt. Joy, Pa.
Hamblin & Russell Mfg. Co. ("Crown," "Grip"), Worcester, Mass.
Imboden I. C. Mfg. Co. ("Handy," Combination), Cleona, Pa.
Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.
Lynd L. E. Mfg. Co. ("Zero"), Mechanicsville, N. Y.
Marcy Stove Repair Co., 74 Beekman, New York
New York Stamping Co. ("Zero"), N 11th & Berry, Brooklyn, N. Y.
Nicol & Co. ("N. & Co. Arctic"), 218 N Jefferson, Chicago, Ill.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Troy Nickel Works, Albany, N. Y.
Wagner Mfg. Co., Sidney, O.
Wehrle Co., Newark, O.
Wickwire Spencer Steel Corp., ("Eclipse"), Worcester, Mass.
*See adv index at end of book*
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

## Lifters (Tack)
See Claws & Pullers, Tack

## Lifters (Transom)
See Lifts, Transom

## Lifters (Valve)
See Tools, Valve Removing

## Lifts (Air)
See Lifts, Pneumatic; also Penumatic Pumping Systems

## 7418a— Lifts (Air Jet)
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## Lifts (Ash)
See Hoists, Ash

## 7419— Lifts (Hydraulic)
Coffin Valve Co. (For Large Water Gates), Neponset, Boston, Mass.
Elmes Chas. F. Engineering Works, Inc., cor. Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*
Illinois Pump & Brass Co. ("Perfect"), Peoria, Ill.
Wood R. D. & Co. (Portable), 400 Chestnut, Phila., Pa.

## 7420— Lifts (Instep)
Gilbert E. T. Mfg. Co., Rochester, N. Y.

## 7420a— *Lifts (Invalid)
Cohoes Iron Foundry & Machine Co., Cohoes, N. Y. *See adv index at end of book*

## 7420b— Lifts (Liquid)
**LUMMUS WALTER E. CO.** ("Metrolift" Automatic), 171 Milk, Boston, Mass.

## Lifts (Magnetic)
See Magnets, Lifting

## 7421— Lifts (Man)
Miller Wm. A. Machine & Elevator Co. (Grain Elevators), 1000 N Main, St. Louis, Mo.
Union Iron Works (Inc.), (For Grain Elevators, etc), Decatur, Ill.

## 7422— Lifts (Mine Car)
Fleming J. R. & Son Co., Scranton, Pa.
**HOLMES ROBT. & BROS.** (Double & Single), Danville, Ill. *See adv index at end of book*

## 7423—*Lifts (Motor Armature)
**DUFF MFG. CO.**, N. S. Pittsburgh, Pa. *See adv index at end of book*

## 7424—Lifts (Motor, Car Pit)
See also Cranes; also Hoists
Brill J. G. Co., 62d & Woodland av, Phila., Pa
Columbia Machine Works & Malleable Iron Co. ("Columbia," Pneumatic), Atlantic av & Chestnut, Brooklyn, N. Y.
**DUFF MFG. CO.**, N. S., Pittsburgh, Pa. *See adv index at end of book*
Patten Paul B. Co., Salem, Mass.

## 7425— Lifts (Pneumatic)
See also Pneumatic Pumping Systems; also Lifts, Water
Ingersoll-Rand Co. ("Imperial," "Pohle" & "Saunders," for Water, & "Moran" & "Moser," for Oil), 11 B'way, New York *See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 7426— Lifts (Sash)
**ACKLIN STAMPING CO.**, 1659 Dorr, Toledo, O. *See adv index at end of book*
Allith-Prouty Co. (Prouty" Hook, Flush- & Bar), Danville, Ill.

American Nut & Bolt Fastener Co., Ontario & Doerr, Pittsburgh, Pa.
Arcade Mfg. Co., Freeport, Ill.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Bradley & Franham, Middlefield, Conn.
**Brainerd Mfg. Co., East Rochester, N. Y.**
Brass Goods Mfg. Co., 345 Eldert, Broklyn, N. Y.
Champion Hardware Co., Geneva, O.
Corbin P. & F., New Britain, Conn.
Creamer W. G. & Co., 96 John, New York
Dent Hardware Co. (Bar), Fullerton, Pa.
Enterprise Hardware Mfg. Co., Frederick, Md.
Frantz Mfg. Co., Sterling, Ill.
Gaynor Mfg. Co., Bridgeport, Conn.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Grey Iron Casting Co. (Hook, Flat & Bar), Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Howard Jas. L. & Co., Hartford, Conn.
Ives H. B. Co. (Hook, Flush, etc), New Haven, Conn.
McKinney Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
National Mfg. Co. (Wrought Steel or Brass), Sterling, Ill.
Norwalk Lock Co., South Norwalk, Conn.
Payson Mfg. Co. (Bar Sash), 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sharon Hardware Mfg. Co. (Steel Flush, Hook, etc), Sharon, Pa.
Shelby Spring Hinge Co. (Steel Hook, also Bronze & Brass, Polished), Shelby, O.
**STANLEY WORKS** (Wrought Steel), New Britain, Conn. *See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wrightsville Hdwe. Co., Wrightsville, Pa.

## Lifts (Sewage)
See Sewage Ejectors

## Lifts (Sidewalk)
See Elevators, Sidewalk

## 7427— Lifts (Skylight)
Danzer Metal Works, Hagerstown, Md.
Eagle Brass Foundry Co., Seattle, Wash. *See adv index at end of book*

## 7428— Lifts (Transom)
Corbin Cabinet Lock Co. (Concealed), New Britain, Conn.
Diehl Novelty Co. ("Diehl"), Glenbeulah, Wis
Payson Mfg. Co. ("Simplex"), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co. ("Penn"), Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.

## 7429— Lifts (Water)
See also Lifts, Pneumatic
See also Pumps, Hydraulic
Bishop & Babcock Co. ("Eureka," "Champion" Automatic Electric & Hydraulic), 1204 E 55th, Cleveland, O.
Braender Bldg. & Construction Co. (Automatic), 135 4th av, New York
Buckeye Pump & Mfg. Co. ("Buckeye" Automatic), Columbus, O.
Cleveland Faucet Co. ("Champion" Automatic), 1205 E 55th, Cleveland, O.
Clow Jas. B. & Sons ("Clow"), Franklin & Harrison, Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Illinois Pump & Brass Co. ("Perfect Duplex" Automatic for House Use), Peoria, Ill.
**INGERSELL-RAND CO.** (Air "Imperial," "Pohle" & "Saunders"), 11 B'way, New York. *See adv index at end of book*

**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park & P. & R. Ry, Phila., Pa. *See adv index at end of book*
**McDonald A. Y. Mfg. Co., (Electric), Dubuque, Ia.**
Myers F. E. & Bro., 900 Fourth, Ashland, O. *See adv index at end of book*
National Water Lift Co. ("National" for Residences), Kalamazoo, Mich.
Ohio Pump & Brass Co. (Improved "Triumph" Hydraulic), Columbus, O.

## 7430— Light House Builders
Lewis Henry B., Ferry av & G. T. Ry., Detroit, Mich.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 7431-2— Lighters (Cigar)
Adjustable Lighter Assn. ("Universal"), Newton, Mass.
Art Metal Works, 7 Mulberry, Newark, N. J.
Amer Elec'l Heater Co., Detroit, Mich.
Bernhardt M. E. (Imp), 148 Chambers, New York
Bogert & Hopper, Inc. (Wooden Splints), 57 Barclay, New York *See adv index at end of book*
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Brunhoff Mfg. Co. (Cutter & Lighter Combined), 9th & Freeman av, Cincinnati, O.
Computing Cheese Cutter Co. (Electric), Anderson, Ind.
Cowles C. & Co. (Electric), New Haven, Conn.
Cuno Engrg. Co., Meriden, Conn.
Drake Mfg. Co., 221 Grand, Milwaukee, Wis.
Elec. Automatic Cigar Lighter Co., 556 W 27th, New York
Elec. Heating & Mfg. Co., Westlake & Republican av, S Seattle, Wash.
Eldred Mfg. Co. ("Wizard" Electric), 46 W Kinzie, Chicago, Ill.
Estes E. B. & Sons (Wooden, Splint), 364 5th av, New York *See adv index at end of book*
Herz Mfg. Co., 241 W 7th, St. Paul, Minn.
Interstate Electric Novelty Co., 104 S 4th, New York
Kraemer Mfg. Co., 148 Chambers, New York
Mars Mfg Co. (Cerium Sparking), 102 5th av, New York
Matchless Brass Mfg. Co., 57 Jay, Brooklyn, N. Y.
Metal Specialties Mfg. Co. ("Presto"), 338 N Kedzie av, Chicago, Ill.
Midland Supply Co., Davenport, Ia.
Morse Frank W., 293 Congress, Boston, Mass.
Novitas Sales Co. ("Novitas" Packet), Waltham, Mass.
Ohio Electric Controller Co. (Electric Portable), 5900 Maurice av, Cleveland, O.
Solar Light Co., 69 Wooster, New York
Spielman Elec. Co. ("Seco"), 1931 B'way, New York
Standard Mfg. Co. ("Electric"), Auburn, Ind
Taylor H. D. Co., 103 Oak, Buffalo, N. Y.

## 7433-4—Lighters (Gas, Electric)
(Above Means Torches)
See also Burners, Electric, Gas Lighting.
Adjustable Lighter Assn. ("Universal"), Newton, Mass.
American Ever Ready Works, Thompson av, L. I. City, New York
Bogart A. L. Co. ("Bartholdi"), 55 Barclay, New York
Cowles C. & Co., New Haven, Conn.
Milwaukee Gas Specialty Co., 2017 Clybourn, Milwaukee, Wis.
National Leter Sales Co., Woodhaven, N. Y.
Safety Gas Light Corp. ("Matchless"), Roanoke, Va.
Universal Novelty Wks. ("Aladin"), 164 5th av. New York
Wiese Elect'l Appliance Co., 3217 Lisbon av, Milwaukee, Wis.

## 7435—Lighters (Range & Gas)
American Ever Ready Works, Thompson av, L. I. City, New York
Kraemer Mfg. Co. ("Kraemer" Friction), 148 Chambers, New York
Mars Mfg Co. (Cerium Sparking), 102 5th av, New York

National Leter Sales Co., Woodhaven, N. Y.
Safety Gas Lighter Co., Haverhill, Mass.

## 7435a—Lighting Accessories (Automobile)

Metal Specialty Mfg. Co. ("Presto"), 338 N Kedzie av, Chicago, Ill.
**MORSE FRANK W.** ("Morse"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Raydex Inc. (Light Controlling Devices), Jamestown, N. Y.

## 7435b—*Lighting Fixtures (Bronze & Benedict Nickel)

Armor Bronze Co., 236 5th av, New York
Kramer Bros. Lamp Co., Inc., 585 B'way, New York

## 7435c—Lighting Fixtures (Industrial)

Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Harter Mfg. Co. ("Nitrolite," "Deluxlite"), 524 S Clinton, Chicago, Ill.
Johnson-Meier Co. (Mfrs.), 155 Wendell, Chicago, Ill.
Miller Saw Trimmer Co. ("Anyangle"), Point bldg, Pittsburgh, Pa.

## 7436—Lighting Systems (Acetylene)

A. G. A. Railway & Signal Co., Elizabeth, N. J.
Ideal Acetylene Co. (Gas), Johnstown, Pa.
Jenne Acetylene Gas Machine Co., 312 Traction Terminal bldg, Indianapolis, Ind.
Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.

## 7437—Lighting Systems (Electric)

Aaron Electric Co., 15 S Clinton, Chicago, Ill.
American Engine & Foundry Co. (Farm), Charles City, Ia.
Bailey Reflector Co. (Theater Footlights & Border Lights), 617 2d av, Pittsburgh, Pa.
Bijur Motor Appliance Co. (For Automobiles & Motor Boats), 15th & Garden, Hoboken, N. J.
Bruston Automatic Electric Lighting & Power Co., 101 Park av, New York
Campbell A. S. Co. ("Cello" for Motor Boats), 276 Commercial, Boston, Mass.
Central Electric Co. ("Marolite"), 320 S 5th av, Chicago, Ill.
Cooper Hewitt Electric Co. (Industrial Illumination), Hoboken, N. J.
Delco Light Co. ("Delco-Light"), Dayton, Ohio
Edison Elec. Illuminating Co. of B'klyn, 360 Pearl, B'klyn, N. Y.
Frost Engrg. Co. (For Farms), Evansville, Wis.
Heinze John O. Co., (Automobile) Springfield, Ohio.
Kewanee Private Utilities Co. ("Kewanee" for Isolated Plants), Kewanee, Ill.
Lauson-Lawton Co. (Portable or Stationery, For Yachts & Farms), De Pere, Wis.
Leece Neville Co. (Auto & Motor Boat), 5363 Hamilton av, Cleveland, O.
Main Electric Co. ("Main-Light"), Cleveland, O.
Matthews Engrg. Co. ("Matthews" for Homes, etc), Sandusky, O.
National Electric Lighting Co. (Farm & Automobile), Wilton Junction, Ia.
National X-Ray Reflector Co., 233 W Jackson blvd, Chicago, Ill.
North East Electric Co. (Automobile & Marine "Universal"), Rochester, N. Y.
Northwestern Storage Battery Co., 140 Mason, Milwaukee, Wis.
Okeh Electric Co., 313 S Clinton, Chicago, Ill.
Phoenix Electric Co., 133 W Washington, Chicago, Ill.
Radiant Mfg. Co. (For Residences), Sandusky, O.
Schroeder Headlight & Generator Co. (For Farms), Evansville, Ind.
Termaat & Monahan Mfg. Co., Oshkosh, Wis.
United Engine Co. ("United," Farm), Lansing, Mich.
United States Light & Heat Corp. (For Farms), Niagara Falls, N. Y.
Wells R. C. Mfg. Co. ("Wells"), Fond du Lac, Wis.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Willys Light-Dev. Electric Auto-Lite Corp. (Isolated & Farm), Toledo, O.
Wisconsin Foundry & Machine Co. (Farm), Madison, Wis.

## 7438—Lighting Systems (Gas)

Am. Gas Machine Co., Inc., Albert Lea, Minn.
Risinger Bros. Co. ("Risinger," Arc for Street, Factory, House, etc), East Liverpool, O.

## 7439—Lighting Systems (Gasoline)

Akron Gas Lamp Co., Akron, O.
Allen-Sparks Gas Light Co. ("Princess"), Lansing, Mich.
American Gas Machine Co. ("American"), Albert Lee, Minn.
**AMERICAN GAS MACHINE CO.**, 78 Reade, New York
Best Light Co., 477 Second, N E, Canton, O.
Canton Incandescent Light Co., Canton, Ohio
Consolidated Gas & Electric Co., 554 Lake, Chicago, Ill.
Doud Lighting Co., 172 N Sangamon, Chicago, Ill.
Economy Gas Lamp Co. ("Economy"), 213 Goodrich, Kansas City, Mo.
Economy Gas Machine Co., Rochester, N. Y.
Gloria Light Co., 1100 Washington blvd, Chicago, Ill.
Hannibal Gas Machine & Mfg. Co. ("Hannibal"), Hannibal, Mo.
Incandescent Light & Stove Co. ("F. & P."), Madisonville, Cincinnati, O.
King Light Co. ("King"), Peoria, Ill.
Knight Light & Soda Fountain Co., 351 W Chicago av, Chicago, Ill.
Nagel-Chase Mfg. Co., 154 E Erie, Chicago, Ill.
National Stamping & Electric Works ("Nulite"), 424 S Clinton, Chicago, Ill.
New Specialty Mfg. Co., Council Bluffs, Ia.
Peerless Light Co., 663 W Washington blvd, Chicago, Ill.
Primo Light & Mfg. Co. ("Primo"), 3849 Olive, St. Louis, Mo.
Royal Gas Light Co. ("Royal"), 18 W. Kinzie, Chicago, Ill.
Sun Vapor & Gas Street Light Co., Canton, Ohio
Superior Mfg. Co., Ann Arbor, Mich.
Tures Mfg. Co., 386 6th, Milwaukee, Wis.
Universal Battery Co., 3410 S. La Salle, Chicago, Ill.
Waterman Motor Co. (For Farms), 235 Mt. Elliott av, Detroit, Mich.
**WAXHAM LIGHT CO.** (also Kerosene), 318 W 46th, New York
*See adv index at end of book*
Yale Light Co., 541 Wash. blvd, Chicago, Ill.

## 7440— Lightning Rods

American Lightning Rod Co. (Copper Cable), Omaha, Nebr.
Anderson Mfg. Co. ("Anderson"), Des Moines, Ia.
Bajohr Carl Lightning Conductor Co., 4055 Keokuk, St. Louis, Mo.
Beckman Bros., Des Moines, Ia.
Boston Lightning Rod Co., Old South bldg, Boston, Mass.
Burkett Lightning Rod Co., Fremont, O.
Cole Bros. Lightning Rod Co., 316 S 7th, St. Louis, Mo.
Dallas Brass & Copper Co., 225 N Jefferson, Chicago, Ill.
Diamond Cable Co., Bourbon, Ind.
Dodd & Struthers, Des Moines, Ia.
Dooley Lightning Rod Co. ("Dooley," also Fixtures), Topeka, Kans.
Electra Lightning Rod Co. ("Silver Strand"), Cresco, Iowa
Goshen Lightning Rod Co., Goshen, Ind.
Hawkeye Lightning Rod Co. Cable & Fixtures), Cedar Rapids, Iowa
Hollow Cable Mfg. Co. ("Hollow Cable" Pure Copper), Hornell, N. Y.
Hum & Leatherman, 103 Market, Pittsburgh, Pa.
Hungerford U. T. Brass & Copper Co. (Copper & Fittings), 80 Lafayette, New York
Jones Thos. W., 153 Maiden la, New York
Maher J. J., Preston, Ia.
Martin Co., Sac City, Iowa
Mast Lighting Rod Co. (Copper Flange), West Milton, O.
Miller Lightning Rod Co., 3d & Geyer av, St. Louis, Mo.
Moore Bros. Lightning Rod Co., Marysville, Mo.
National-Standard Co. (Pure Copper Cable), Box 211, Niles, Mich.
Nebraska Lightning Rod Co., Omaha, Neb.
Owen J. D. & E. G., Janesville, Wis.
Reyburn-Hunter-Foy Co., 815 B'way, Cincinnati, O.
St. Louis Lightning Rod Co., 2135 De Kalb, St. Louis, Mo.
Security Lightning Rod Co., Burlington, Wis.
Shrauger & Johnson, Atlantic, Ia.
Swenson Grubber Co. (Copper Cable), Cresco, Iowa
Thompson T. Mfg. Co., Brighton, Ia.
Toledo Cable Co., 506 S St. Clair, Toledo, O.
Townsley-Sewell Mfg. Co., 1315 S E 4th, Minneapolis, Minn.
Washburne Edw. G. & Co. (Copper), 207 Fulton, New York

## 7441—Lights (Carriage Curtain)

Gordon J. P. Co. (Automobile), Columbus, O.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio
Monarch Carriage Goods Co. ("Monarch"), Cincinnati, O.
Udell Works, Indianapolis, Ind.

## 7441a—*Lights (Contractors' Portable)

See also Contractors' Portable Lights
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

LIGHTS—CONTRACTORS PORTABLE
We build Lights from 500 to 10,000 candle power.
Kerosene Oil Lights or Carbide Lights.
MACLEOD CO., 2227 Bogen Street, Cincinnati, O.

## 7442—Lights (Desk, Electric)

See also Portables, Electric

Alexander J. Mfg. Co. ("Ferguson"), 1991 B'way, New York
Almond T. R. Mfg. Co. ("Almond Flexo"), Ashburnham, Mass.
American Brass & Copper Co., 138 Lafayette, New York
Butler Plating & Mfg. Co., 370 Atlantic av, Boston, Mass.
Dale Lighting Fixture Co., 107 W 13th, New York
Farber S. W. (Adjustable), 147 S 5th, Brooklyn, N. Y.
Farles Mfg. Co., Decatur, Ill.
Forg Peter Mfg. Co., Somerville, Mass.
Handy Light Co., 215 Butler, Cincinnati, Ohio
Imperial Brass Mfg. Co. ("Kramer" Adjustable Electric Desk Lamps), 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
Killoch David Co. ("Kinsman" Daylight), 57 Murray, New York
Klemm & Co., 132 N 5th, Philadelphia, Pa.
McFadden M. G. & Co. ("Emeralite"), 33 Warren, New York
McLeod, Ward & Co. ("Kinsman"), 430 11th av, New York
National Plastic Relief Co., 330 Main, Cincinnati, O.
Scribner A. C., Gloversville, N. Y.
Stuart-Howland Co. ("S. H."), 234 Congress, Boston, Mass.
White H. C. Co. ("Radion"), North Bennington, Vt.
White J. H. Mfg. Co. ("Zenith"), 111 N 3d, Brooklyn, N. Y.
White O. C. Co., Worcester, Mass.

## 7443— Lights (Door Key)

Arnold-Wagner Electric Co., South Bend, Ind.

## 7444—Lights (Portable, Acetylene)

See also Contractors' Portable Light

Carbic Mfg. Co. (Carbic), Duluth, Minn.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Milburn Alexander Co. (For Railroads & Contractors), 1420 W Baltimore, Baltimore, Md.

## 7444a— Lights (Shaft)

Rayder Mfg. Co., Inc., Brackenridge, Pa.

## 7444b— *Lights (Spot)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 7445-6—Lights (Stage, Electric)

(Bunch, Foot, Spot, etc.)

**American Reflector & Lighting Co., 517 W Jackson blvd, Chicago, Ill.**
Bailey Reflector Co., 617 2d, Pittsburgh, Pa.
Campbell Electric Co., 17 Stewart, Lynn, Mass.
Condit Electrical Mfg. Co., 1st & L, Boston, Mass.
Frink, I. P., Inc., 10th av & 24th, New York
**Hallberg J. H., 1604 B'way, New York**
Huelman & Moore, 134 Longworth, Cincinnati, O.
**Louisiana Metal Cobinet Wks., New Orleans, La.**
**Newton C., 305 W 15th, New York**
Overbaugh & Ayres Mfg. Co., 411 S Clinton, Chicago, Ill.
Sprague Elec. Wks. of G. E. Co., 527 W 34th, New York
**UNIVERSAL ELECTRIC STAGE LIGHTING CO. ("Kliegl"), 240 W 50th, New York**
Standard Mechancal Equipt. Co., Dallas, Tex.
Sunlight Reflector Co., 226 Pacific, B'klyn, N. Y.
Western Elec. Co. (Side Distributors for Amer. Ltg. Co.), 463 West, New York
Wheeler Reflector Co., 156 Pearl, Boston, Mass.

## 7447—Lignum Vitae Turnings

Seib Bros. Co., 96-100 Boyd av, Jersey City, N. J.

## 7447a— *Limbs (Artificial)

Doerflinger Artificial Limb Co., 3001 East, Pittsburgh, Pa.
Henry & Wright Mfg. Co. (Mechanical & Artificial Arms), 760 Windsor, Hartford, Conn. *See adv index at end of book*
Martin Halstead Co., 46 Woodward av, Detroit, Mich.

## Lime Acetate

(See Acetate of Lime)

## 7447b— Lime Carbonate

Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
Mitchell Lime Co., Mitchell, Ind.
Harshaw, Fuller & Goodwin Co., Elec. bldg. Cleveland, O.
Security Cement & Lime Co., Hagerstown, Md.
Warnick E. H. Co., Wilkes-Barre, Pa.
Winkley Artificial Limb Co., 1326 Washington av, Minneapolis, Minn.

## 7448— Lime (Caustic)

**American Lime & Stone Co., Tyrone, Pa.**

## 7449— Lime (Chemical)

**Chemical Lime Co., Bellefonte, Pa.**
**Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.**
**Mitchell Lime Co., Mitchell, Ind.**
**Palmer Lime & Cement Co. ("Palmer," 99 per cent. Pure Carbonate), 103 Park av, New York**
Peerless White Lime Co., Century bldg. St. Louis, Mo.
**Security Cement & Lime Co. (Carbonate of Lime), Hagerstown, Md.**
Washington Building Lime Co., Equitable bldg., Baltimore, Md.

## 7450— Lime Flour

Chrystal Chas. B., 13 Cliff, New York
*See adv index at end of book*
Scheel Wm. H. (Imported), 159 Maiden la, New York *See adv index at end of book*
Whittaker, Clark & Daniels, Inc. (Imp.), 250 Front, New York

## Lime (Glycerophosphate)

See Calcium Glycerophosphate

## 7451—Lime (Ground & Crushed)

Acme Fire Clay Works, New Cumberland, W. Va.
American Lime & Stone Co. (Also Ground Limestone), Tyrone, Pa.
Glencoe Lime & Cement Co., Syndicate Trust bldg, St. Louis, Mo.
Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
National Mortar & Supply Co., 2d National Bank bldg, Pittsburgh, Pa.
Ohio & Western Lime Co., Huntington, Ind.
Rockland & Rockport Lime Co., 101 Park av, New York
Scioto Lime & Stone Co., Delaware, O.
Security Cement & Lime Co., Hagerstown, Md.
Standard Lime & Stone Co., Fond du Lac, Wis.
**Warner Chas. Co. ("Cedar Hollow" plant)** I. O. O. F. bldg, Wilmington, Del.
Washington Building Lime Co., Equitable bldg., Baltimore, Md.
Woodville Lime Products Co., 622 Madison av, Toledo, O

## 7452— Lime (Hydrated)

A. & C. Stone & Lime Co. (Portland White Lime), 17 N Pennsylvania av, Indianapolis, Ind.
Ash Grove Lime & Portland Cement Co., 7th ft Grand av. Temple, Kansas City, Mo.
Basic Products Co., Oliver bldg, Pittsburgh, Pa.
Cleveland Builders' Supply Co. ("Dealers"), Leader-News bldg, Cleveland, O.
Dittlinger Lime Co. ("Snowdrift"), New Braunfels, Texas
Doggett Stanley, 11 Cliff, New York
Dutchess County Lime Co., Scarboro, N. Y.
Gager Lime & Mfg Co., Chattanooga, Tenn.
Glencoe Lime & Cement Co., Syndicate Tr. bldg, St. Louis, Mo.
Hannibal Lime Co. ("White Bear"), Hannibal, Mo.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hankins-Willis Lime & Cement Co. (High Calcium), Century bldg, St. Louis, Mo.
Hydrated Lime Bureau (Plaster), Arrott bldg, Pittsburgh, Pa.
Kelley Island Lime & Transport Co. ("Tiger" Finish, Masons', Agricultural & Chemical Brands), Leader-News bldg, Cleveland, O.
Knickerbocker Lime Co., 866 N 24th, Philadelphia, Pa.
**Kutztown Lime & Crushed Stone Co.,** Kutztown, Pa.
Louisville Cement Co. ("White Star"), Louisville, Ky.
Marblehead Lime Co. (Pure Calcium), 159 N State, Chicago, Ill.
Mitchell Lime Co., Mitchell, Ind.
National Lime & Stone Co. ("Monarch"), Carey, O.
National Mortar & Supply Co., 2d Nat'l Bk bldg, Pittsburgh, Pa.
Ohio Hydrate & Supply Co., Woodville, O.
Ohio & Western Lime Co. ("Diamond"), Huntington, Ind.
Palmer Lime & Cement Co., 103 Park av, New York
Peerless White Lime Co., Century bldg, St. Louis, Mo.
Product Sales Co., 32 So Calvert, Baltimore, Md.
Schaffer Engineering & Equip. Co. (Engineers, Designing, Contracting in Clay Products, Lime, Silica and Plants), Peoples Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*
Scioto Lime & Stone Co., Delaware, O.
Security Cement & Lime Co. ("Berkeley"), Hagerstown, Md.
Standard Lime & Stone Co., Fond-du-Lac, Wis.
**Taylor Lime Co., Los Angeles, Cal.**
Tidewater Portland Cement Co., Calvert bldg, Baltimore, Md.
United States Gypsum Co. ("Ivory"), 205 W Monroe, Chicago, Ill.
**Warner Chas. Co. ("Cedar Hollow" Plant),** I. O. O. F. bldg, Wilmington, Del.
**Washington Building Lime Co., Equitable bldg, Baltimore, Md.**
**Western Lime & Cement Co., Pabst bldg,** Milwaukee, Wis.
White Marble Lime Co., Manistique, Mich.
Whittaker, Clark & Daniels, Inc. (Imp.), 250 Front, New York
Woodville Lime Products Co., 622 Madison av, Toledo, O.

## 7452a— *Lime Hydrators

**SCHAFFER ENGINEERING & EQUIPMENT CO., (Continuous & Automatic)**
Peoples Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*

## 7453— Lime (Hydraulic)

Bangs-Gaynor Cement & Plaster Co., Fayetteville, N. Y.
Doggett Stanley, 11 Cliff, New York
Fowler & Pay ("Brown"), Mankato, Minn.
Menominee Brick Co., Menominee, Mich.
Ohio & Western Lime Co. ("Diamond"), Huntington, Ind.
Sheedy Thos. W., Fayetteville, N. Y.
Solvay Process Co., Syracuse, N. Y.

## Lime (Hypophosphate)

See Calcium, Hypophosite

## 7454—Lime (Magnesian White)

Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
Lee Lime Co. (For Sulphite & Rag Paper Mills, Hard Plaster, Scratch & Brown Coat, etc), Lee, Mass.
Woodville Lime Products Co., 622 Madison av, Toledo, Ohio

## 7455— Lime Mfrs.

**For Lime Dealers see Masons' & Builders' Materials**

### ALABAMA.

ALLGOOD—Chenev Lime Co.
ANNISTON—Lagarde Lime & Stone Co. Works: Lagarde, Ala.
EUREKA—O'Neal C. L.
KEYSTONE—Keystone Lime Co. (See Charleston, S. C.)
NEWALA—Newala Lime Works
PAINT ROCK—Saginaw Lime & Lumber Co.
SAGINAW—Saginaw Lime & Stone Co.

### ARIZONA.

NELSON—Grand Canyon Lime & Cement Co. (See Los Angeles, Cal.)
PUNTENNEY—Puntenney Lime Co. (See Los Angeles, Cal.)

### ARKANSAS.

FAYETTEVILLE—Ozark White Lime Co. Works: Johnson, Ark.
GARFIELD—McKinlay P. Jr.
JOHNSON—Ozark White Lime Co. (See Fayetteville, Ark.
ROGERS — Rogers White Lime Co. (White)
RUDDELLS—Arkansas Lime Co.

### CALIFORNIA.

FELTON—Holmes Lime & Cement Co. (See San Francisco, Cal.)
KENNETT—Holt & Gregg Co. (See Redding)
LOS ANGELES—Grand Canyon Lime & Cement Co. Works: Nelson, Ariz.
Oro Grande Lime & Stone Co. Works: Halleck, Cal.
Puntenney Lime Co. Works: Puntenney, Ariz.
Summit Lime Co. Works: Tehachapi Cal.
REDDING—Holt & Gregg Co.
SAN FRANCISCO—Cowell Hy. Lime & Cement Co., 2 Market

CALIFORNIA—San Francisco—continued

**Holmes Lime & Cement Co. Postal** Tel. bldg
Horton Lime Co., Monadnock bldg.
**Pacific Lime & Plaster Co., Monadnock bldg.**
**San Francisco Lime Co., Monadnock bldg**
**SANTA CRUZ—Cowell Hy. Lime & Cement Co. (See San Francisco)**
SONORA—Pacific Lime & Plaster Co. (See San Francisco, Cal.)
TEHACHAPI—Summit Lime Co. (See Los Angeles, Cal.)

### COLORADO.

DENVER—Colorado Lime & Fluxing Co., 321 McPhee
**Colorado Portland Cement Co. Works: Portland, Colo.**
PORTLAND—Colorado Portland Cement Co. (See Denver, Colo.)

### CONNECTICUT.

CANAAN—Connecticut Lime Co. (See Lee, Mass.)
**New England Lime Co. (See Danbury, Conn.)**
**EAST CANAAN—Connecticut Lime Co. (See Lee, Mass.)**
DANBURY—New England Lime Co.
Stearns Lime Co.
HARTFORD—Allyndale White Marble & Lime Co.
REDDING—New England Lime Co. (See Danbury, Conn.)

### DELAWARE.

WILMINGTON—Warner Chas. Co. ("Limold"), I. O. O. F. bldg.

### FLORIDA.

**OCALA—Florida Lime Co.**

### IDAHO.

**BAYVIEW—Washington Brick, Lime & Sewer Pipe Co. (See Spokane, Wash.)**

### ILLINOIS.

**ALTON—Armstrong Jno. Lime & Quarry Co.**
**CHICAGO—Allwood Lime Co., 30 N Dearborn**
**Artesian Stone & Lime Works Co., Grand & Campbell avs**
**Brownell Improvement Co., Cham. of Com bldg**
**Chicago Union Lime Works Co., 1900 W 19th**
**Druecker N. J. & Co., 2634 N Artesian av**
**Marblehead Lime Co. (Pure Calcium), 159 N State**
**Stearns Lime & Stone Co., 160 W Randolph**
Templeton Lime Co., 1019 N Homan av
**Wisconsin Lime & Cement Co., 133 W Wash.**
**FULTON—Alden Lime Co. (See Clinton, Ia.)**
KANKAKEE—Ruhle Christian
LYONS—Riverside Lime & Stone Co.
**MARBLEHEAD—Marblehead Lime Co., (See Chicago, Ill.)**
**PORT BYRON—Port Byron Lime Association.**
**QUINCY—Menke F. W. Stone & Lime Co.**
**Meyer W. D. (Marble White)**
**Quincy White Lime & Cement Co.**
**ROCKFORD—Hart & Page**

### INDIANA.

**DELPHI—Delphi Lime Co.**
Harley C. & G. P.
**HUNTINGTON—Ohio & Western Lime Co. (White)**
**INDIANAPOLIS—A. & C. Stone & Lime Co., 17 N Pennsylvania av, (White), Works: Portland, Ind.**
**MITCHELL—Mitchell Lime Co.**
**PORTLAND—A. & C. Stone & Lime Co. (See Indianapolis, Ind.)**

### IOWA.

**CLINTON—Alden Lime Co. Works: Fulton, Ill.**
**DES MOINES—Des Moines Fuel & Lime Co.**
**DUBUQUE—Eagle Point Lime Works**
MAQUOKETA—Hurst A. (Est. of)
OTTUMWA—Ottumwa Lime & Cement Co.

### KANSAS.

CHANUTE—Ash Grove Lime & Portland Cement Co. (See Kansas City, Mo.)
**HUTCHINSON—Solvay Process Co. (See Syracuse, N. Y.)**

### KENTUCKY.

**HOPKINSVILLE — Hopkinsville Lime Works**
LOUISVILLE — Louisville Cement Co. ("Blue River" Lump)
Union Cement & Lime Co.
**MOUNT VERNON—Mount Vernon Lime Co.**

### MAINE.

ROCKLAND—Bird A. J.
Rockland & Rockport Lime Co.
THOMASTON—Creighton Jas. A. & Co.

### MARYLAND.

BALTIMORE—Green Robt. S., 3232 Frederick av
**Platt & Co. (Shell), Key Highway & Boyle**
**Rockcastle Cement & Lime Co., Munsey bldg**
**Standard Lime & Stone Co., Equitable bldg**
Tidewater Portland Cement Co., Calvert bldg. Works: Union Bridge, Md.
Washington Building Lime Co., Equitable bldg
BUCKEYSTOWN—Standard Lime & Stone Co. (See Baltimore, Md.)
Washington Bldg. Lime Co. (See Baltimore, Md.)
CAVETOWN—Bushey G. M. & Son
FREDERICK—Kellar O. J. Lime Co.
HAGERSTOWN—Security Cement & Lime Co.
LE GORE—Le Gore Combination Lime Co.
LIME KILN—Grove M. J. Lime Co.
SECURITY—Security Cement & Lime Co. (See Hagerstown, Md.)
**TEXAS—Lindsay William P.**
UNION BRIDGE—Tidewater-Portland Cement Co. (See Baltimore, Md.)
WALKERSVILLE—McAleer Lime Co.
WOODSBORO—Barrick S. W. & Son

### MASSACHUSETTS.

ADAMS—Hoosac Valley Lime Co.
New England Lime Co. (See Danbury, Conn.)
CHESHIRE—Cheshire Lime Mfg. Co.
FARNAMS—Farnam-Cheshire Lime Co. (See N. Y. C.)
WORCESTER—Green Mountain Lime Corp.
LEE—Connecticut Lime Co. Works: East Canaan, Conn.
Lee Lime Co. (Magnesia White Lime)
RICHMOND—Pittsfield Lime Co.
SHEFFIELD—Berkshire Hills Co.
WEST STOCKBRIDGE—Granger Lime & Marble Co.
Tobey Lime Co.
Miller Clifford L.
West Stockbridge Lime Co.

### MICHIGAN.

CHARLEVOIX—Charlevoix Rock Products Co.
GRAND RAPIDS — Antrim Lime Co. Works: Petoskey, Mich.
MANISTIQUE—White Marble Lime Co.
MENOMINEE—Lyon Bros.
PETOSKEY — Antrim Lime Co. (See Grand Rapids, Mich.)
Northern Lime & Stone Co.

### MINNESOTA.

DULUTH—Kelley Island Lime Co.
MANKATO—Coughlan T. R. Co.
Fowler & Pay ("Brown" Hydraulic)
RED WING—Lillyblad Gust.
ST. PAUL—Shakopee Cement Lime Mfg. Co., 220 Chestnut

### MISSOURI.

**ASH GROVE—Ash Grove Lime & Portland Cement Co. (See Kansas City, Mo.)**
BRICKEYS—Arrow Head Mfg. Co. (See St. Louis, Mo.)
CAPE GIRARDEAU—Cape Lime & Marble Co.
CARTHAGE—Carthage Marble & White Lime Co. (See St. Louis, Mo.)
CENTAUR STATION—Centaur Lime Co.
EUGENE—Spring Garden Marble & White Lime Co. (See St. Louis, Mo.)
GLENCOE—Glencoe Lime & Cement Co. (See St. Louis, Mo.)
HANNIBAL—Hannibal Lime Co.
Star Lime Co.
KANSAS CITY—Ash Grove Lime & Portland Cement Co. ("Ash Grove" White) 7th ft. Grand av. Temple
Marblehead Lime Co. (See Chicago, Ill.)
**Phenix Marble Co., 19th & Olive. Works: Phenix, Mo.**
LOUISIANA—Marble Head Lime Co. (See Chicago, Ill.)
PIERCE CITY—Pierce City Lime Co. (White)
SARCOXIE—Marble Head Lime Co. (See Chicago, Ill.)
ST. LOUIS—Arrow Head Mfg. Co.
Carthage Marble & White Lime Co. Works: Carthage, Mo.
Glencoe Lime & Cement Co. Works: Glencoe, Mo.
Hunkins-Willis Lime & Cement Co. (White, etc), Century bldg.
Peerless White Lime Co., Century bldg
Spring Garden Marble & White Lime Co.
Ste Genevieve Lime & Cement Co., Mermod-Jaccard bldg
SPRINGFIELD—Marblehead Lime Co. (See Chicago, Ill.)
STE. GENEVIEVE—Peerless White Lime Co. (See St. Louis, Mo.)
Ste. Genevieve Lime & Quarry Co. (See St. Louis, Mo.)
Western Lime Works

### MONTANA.

ELLISTON—Elliston Lime Co.

### NEW JERSEY.

BRIDGETON—Frazeur Lime Works
CAMDEN—Camden Lime Co.
ELIZABETH—Smith Lime Flour Co.
GERMAN VALLEY—Neighbour E. J.
HAMBURG — New Jersey Lime Co. Works: McAfee Valley, N. J.
Vanderhoof Lime Co.
McAFEE VALLEY—New Jersey Lime Co. (See Hamburg, N. J.)

### NEW YORK.

BIGELOW—Williams Chas. & Co. (Mostly in Bulk)
BROOKLYN—(See New York City, Borough of Brooklyn)
CALEDONIA—International Agrl. Corp. (See N. Y. C.)
CHAUMONT—Adams & Duford Co. ("Chaumont" White Lime in Bulk & Barrel)
CHAZY—Chazy Marble Lime Co.
DOVER PLAINS—Duchess County Lime Co.
FAYETTEVILLE—Bangs-Gaynor Cement & Plaster Co. (Water, Lime or Cement)
Sheedy Thos. W. (Water Lime or Cement)
GLEN FALLS—Finch, Pruyn & Co., Inc. (Wood burnt)
Wait F. W. Lime Co.
HONEOYE FALLS—Genesee Lime Co.
LEROY—Heimlich J.
NEWBURGH—Harrison & Curtis

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Manhattan Lime Co., 1325 37th
Rockland-Rockport Lime Co., 226 Newall

#### Boroughs of Manhattan and Bronx.

NEW YORK—Bloomer Lime Co., 406 E 149th
Empire Limestone Co., 19 Hudson
Farnam-Cheshire Lime Co., 39 Cort.

NEW YORK—New York—continued
Industrial Chemical Co. (Agricultural), 200 5th av
International Agrl. Corp., 61 B'way
Miller Clifford L., 280 Madison av
New York & New England Cement & Lime Co., 30 Broad
Palmer Lime & Cement Co. ("Cheshire," "Bellefonte," "Palmer," "Yorktown Heights," "Connecticut White"), 103 Park av

**(End of New York City)**

ROCHESTER — Rochester Lime Co. ("Snow Flake")
SCARBORO—Dutchess County Lime Co.
UTICA—Conley F. E. Stone Co.

## NORTH CAROLINA.

ASHEVILLE—Blue Ridge Lime Co.
FLETCHER—Blue Ridge Lime Co.

## OHIO.

BUCYRUS—Broken Sword Stone Co.
CANTON — Agricultural & Commercial Lime Co.
Canton Grey Lime Co.
CAREY—National Lime & Stone Co.
CEDARVILLE—Ervin D. S. Co. (Large)
CLAY CENTER—Kelley Island Lime & Transport Co. (See Cleveland, O.)
CLEVELAND—Kelley Island Lime & Transport Co., Leader News bldg
DELAWARE—Scioto Lime & Stone Co.
EIFORT—Morgan & Horton
FOSTORIA—Ohio & Western Lime Co. (Ground & in Lump). (See Huntington, Ind.)
FREMONT—Gottron Bros. Co.
GENOA—Ohio & Western Lime Co. (White). (See Huntington, Ind.)
GIBSONBURG—National Mortar & Supply Co. (See Pittsburgh, Pa.)
Ohio & Western Lime Co. (White). (See Huntington, Ind.)
KELLEYS ISLAND—Kelley Island Lime & Transport Co. (See Cleveland, O.)
LISBON—Lisbon Lime Co.
LUCKEY—Doherty Lime & Stone Co. (See Toledo, O.)
MARBLEHEAD—Kelley Island Lime & Transport Co. (See Cleveland, O.)
MARION—Evans John Stone & Lime Co.
Ohio & Western Lime Co. (See Huntington, Ind.)
OLIVE FURNACE—McGugin R. H.
OWENS—Owens John D. & Son Co.
PATTERSON—Herzog Jno. & Son
PIQUA—Ohio Marble Co.
ROCKY RIDGE—Rocky Ridge Lime & Stone Co.
SANDUSKY — Kelley Island Lime & Transport Co. (See Cleveland, O.)
SPRINGFIELD—Mills Bros.
Moores Lime Co.
TIFFIN—Ohio & Western Lime Co. (See Huntington, Ind.)
Weot Lime & Stone Co.
TOLEDO—Woodville Lime Products Co. (White), 622 Madison av. Works: Woodville, O.
WOODVILLE—Woodville Lime Products Co. (See Toledo, O.)

## PENNSYLVANIA.

ALLENTOWN—Mertz Chas. H.
Mitchell Lime Co.
Trexler Theo. E.
ANNVILLE—Annville Lime Co. (See Lebanon, Pa.)
BELLEFONTE—American Lime & Stone Co. (See Tyrone, Pa.)
Bellefonte Lime Co.
Center County Lime Co.
Chemical Lime Co.
Empire Lime Kilns
Whiterock Quarries
BETHLEHEM—Bethlehem Lime & Stone Co.
BITTINGER—Bittinger E. M.
Moul J. H. & Sons
Steacy & Wilton Co.
BRIDGEPORT—Tyson J. L. (See Phila., Pa.)
CARLISLE—Goodyear Bros.
EASTON—Easton Lime Co.
ELLWOOD CITY—Beaver Valley Lime Co.
EMIGSVILLE—Emigsville Quarry Co.
FRAZER—Knickerbocker Lime Co. (See Phila., Pa.)
HARRISBURG—United Lime & Stone Co.
Whittock J. M. (Crushed Stone & Lime)
GROVE CITY—Grove City Limestone Co.
HYNDMAN—Enterprise Lime & Ballast Co.
KUTZTOWN—Kutztown Lime & Crushed Stone Co.
LANCASTER—Lancaster Lime & Supply Co.
LEBANON—Annville Lime Co. Works: Annville, Pa.
LEMOYNE—United Lime & Stone Co. (See Harrisburg, Pa.)
LIMERIDGE—Low Bros. & Co.
Paragon Plaster & Supply Co. (See Scranton, Pa.)
MYERSTOWN—Wagner Thos. A.
NEW CASTLE—Rose Point Stone & Lime Co.
NORRISTOWN—Lukens & Yerkes. (See Phila., Pa.)
Merion Lime & Stone Co.
PHILADELPHIA—Bradley Walter T. Co.
Knickerbocker Lime Co. (Inc.), 366 N 24th. Works: Frazer, Pa.
Lukens & Yerkes, Stephen Girard bldg. Works: Norristown, Pa.
Tyson J. L., 900 Jefferson. Works: Bridgeport, Pa.
Warner Chas. Co. (Cedar Hollow, Wrightville & Potomac Lime Stone), Finance bldg.
PITTSBURGH—Basic Products Co., Oliver bldg
Blair Limestone Co.
National Mortar & Supply Co. ("Banner Hydrate"), 2d Nat'l Bank bldg. Works: Gibsonburg, O.
Shenango Limestone Co.
PLYMOUTH MEETING—Corson G. & W. H.
Cox Lime & Stone Co.
PORTLAND—Keller Luther. (See Scranton, Pa.)
READING—Reading Lime Co.
SCRANTON—Haslam Lime & Chemical Co.
Keller Luther
Paragon Plaster & Supply Co. Works: Limeridge, Pa.
THOMASVILLE — Thomasville Stone & Lime Co.
TYRONE—American Lime & Stone Co.
WICK—Climax Lime & Stone Co.
WRIGHTSVILLE—Steacy & Wilton Co.
YORK—Baker J. E. Co.
Palmer L. M.
York Valley Lime Co.
YORK SPRINGS—Trostel Geo. H.

## SOUTH CAROLINA.

CHARLESTON—Keystone Lime Co. Wks: Keystone, Ala.
Southern States Lime Corp.

## SOUTH DAKOTA.

PRINGLE—Black Hills Lime Co.

## TENNESSEE.

BURNS—Allen Jesse Lime Co.
CHATTANOOGA—Gager Lime & Mfg. Co. Works: Sherwood Tenn.
Hooker Limestone Co.
CONCORD—Concord Lime Works
CRAB ORCHARD—Southern States Lime Corp. ((See Charleston, S. C.)
ERIN—Rauscher E. W.
KNOXVILLE—Tennessee Lime & Sand Co.
MEMPHIS—Denie's Jno. A. Sons Co. (Ala., Ark. & Tenn. Lime)
NASHVILLE—Tennessee Cement & Lime Co. Works: Summitville, Tenn.
PALMYRA—Hussey M. M. & E. T.
SHERWOOD—Gager Lime & Mfg. Co. (See Chattanooga, Tenn.)
SUMMITVILLE — Tennessee Cement & Lime Co. (See Nashville, Tenn.)

## TEXAS.

AUSTIN—Austin White Lime Co.
DALLAS—Dallas Lime & Gravel Co.
EL PASO—Courchesne A.
NEW BRAUNSFELS—Dittlinger Lime Co.
OGLESBY—Boone D. R.

## UTAH.

SALT LAKE CITY—Langston Lime & Cement Co.

## VERMONT.

HIGH GATE SPRINGS—Missiquoi Lime Works
IRA—Day Dexter D. & Son
LEICESTER JUNCTION — Brandon Lime & Marble Co.
MIDDLEBURY — Green Mountain Lime Corp.
NEW HAVEN—Green Mountain Lime Corp.
NORTH POWNAL—New England Lime Co. (See Danbury, Conn.)
SAINT ALBANS—Fonda W. B. (Est. of) Works: Swanton Junction, Vt.
SWANTON—Rich Jno. P.

## VIRGINIA.

EAGLE ROCK—Moore Lime Co. (See Richmond, Va.)
INDIAN ROCK—Dillon's E. Sons
LEESBURG—Leesburg Lime Co.
LIMETON—Limeton Lime Co.
LINVILLE—Linville Lime Co.
NORFOLK—Lee A. S. & Sons Co. (See Richmond)
ORANDA—Orndorff M. M.
RICHMOND—Moore Lime Co. Works: Eagle Rock, Va.
Powhattan Lime Co.
RIVERTON—Riverton Lime Co.
STAUNTON—Felsworth Lime Co.
STEPHENS CITY—Grove M. J. Lime Co. (See Lime Kiln, Md.)
STRASBURG—Powhatan Lime Co. (See Richmond, Va.)
Standard Lime & Stone Co. (See Baltimore, Md.)
STRASBURG JUNCTION — Shenandoah Lime Co.
TOMS BROOK—Rockdale Lime Co.

## WASHINGTON.

DEER HARBOR—Cowell Henry Lime & Cement Co. (See San Francisco, Cal.)
Orcas Lime Co.
EVANS—Idaho Lime Co. (See Spokane, Wash.)
FRIDAY HARBOR—Cowell Henry Lime & Cement Co. (See San Francisco, Cal.)
ROCHE HARBOR—Tacoma & Roche Harbor Lime Co.
SEATTLE—Orcas Lime Co. (See Deer Harbor)
SPOKANE — Idaho Lime Co. Works: Evans, Wash.
Washington Brick, Lime & Sewer Pipe Co. Works: Bayview, Idaho
SUMAS—International Lime Co.

## WEST VIRGINIA.

BAKERTON—Washington Building Lime Co. (See Baltimore, Md.)
BUNKER HILL—Baker J. E. Co. (See York, Pa.)
KENOVA—Basic Products Co. (See Pittsburgh, Pa.)
MARTINSBURG — Blair Limestone Co. (See Pittsburgh, Pa.)
Standard Lime & Stone Co. (See Baltimore, Md.)
NEW CUMBERLAND—Acme Fire Clay Works

## WISCONSIN.

APPLETON—Marston Bros. Co.
BRILLION—Union Lime Co. (See Milwaukee, Wis.)
CEDARBURG—Groth J. F. & Son
DRUECKER—Independent Lime & Stone Co.
FOND DU LAC—Standard Lime & Stone Co. (White)
GRAFTON—Milwaukee Falls Lime Co. (See Milwaukee, Wis.)
GRIMMS—Union Lime Co. (See Milwaukee, Wis.)
HAYTON—Union Lime Co. (See Milwaukee, Wis.)
KEWAUNEE—Nast Bros. Lime & Stone Co. (See Marblehead, Wis.)
KNOWLES—Nast Bros. Lime & Stone Co. (See Marblehead, Wis.)
Standard Lime & Stone Co. (See Fond du Lac, Wis.)
MARBLEHEAD—Nast Bros. Lime & Stone Co. (See Milwaukee, Wis.)
Union Lime Co.
MAYVILLE—Mayville White Lime Works
MENASHA—Plummer H. H.

MILWAUKEE—Empire Lime & Stone Co.
Milwaukee Falls Lime Co.
Union Lime Co., Pabst bldg.
Western Lime & Cement Co., Pabst bldg
OSHKOSH—Cook & Brown Lime Co.
QUARRY—Empire Lime & Stone Co. (See Milwaukee, Wis.)
RACINE—Fox Lime & Stone Co.
SHEBOYGAN—Sheboygan Lime Works
TEMPLETON—Templeton Lime Co. (See Chicago, Ill.)
VALDERS—Standard Lime & Stone Co. (See Fond du Lac, Wis.)
Valders Lime & Stone Co.

### Lime Permanganate

See Calcium, Permanganate

### 7455a— Lime Plants

Schaffer Engineering & Equipment Co., The (Continuous & Automatic), Peoples Bank bldg, Pittsburgh, Pa.

### 7455b— Lime Sulphate

Doggett Stanley, 11 Cliff, New York
Higginson Mfg. Co., Newburgh, N. Y.
Scheel Wm. H. (Imp.), 159 Maiden la, New York *See adv index at end of book*
Western Chemical Mfg. Co. (Bi-Sulphate of Lime), Denver, Colo.

### Lime Sulphide

See Calcium, Sulphide

### Lime Sulphite

See Calcium Sulphite

### 7456—Lime Sulphur Solution

Dow Chemical Co., Midland, Mich.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Mechling Bros. Mfg. Co., Camden, N. J.
Taylor Chemical Co., Penn Yan, N. Y.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.

### 7457— Lime (Vienna)

Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Sieman & Elting, 99 Nassau, New York
Union Polish Co. (Composition), 80 Barclay, New York
Warren Products Co., 265 B'way, New York *See adv index at end of book*

### 7458—Limestone (Cream White)

Tompkins Kiel Marble Co. ("American"), 505 5th av, New York

### 7459—Limestone (Ground & Powdered)

American Ballast Co. (Pulverized), Holton Nat. Bk. bldg, Knoxville, Tenn.
Armstrong Jno. Lime & Quarry Co., Alton, Ill.
Bessemer Limestone Co. (For Agricultural Use), Youngstown, O.
Casparis Stone Co. (Ground Limestone), Clinton bldg, Columbus, O.
Columbus Macadam Co., 319 Dublin av, Columbus, O.
Doggett Stanley, 11 Cliff, New York
Dolomite Products Co. (Agricultural), 1110 Euclid av, Cleveland, O.
Fruin-Bambrick Consolidated Co. (Pulverized or Dust), 300 S Spring av, St. Louis, Mo.
Gager Lime & Mfg. Co., Chattanooga, Tenn.
Glencoe Lime & Cement Co. (Limestone Flux), Syndicate Tr. bldg, St. Louis, Mo.
Golden State Portland Cement Co., 112 W 9th, Los Angeles, Cal.
Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
Marble Cliff Quarries Co. (for Agricultural Use), Columbus, O.
Mitchell Lime Co., Mitchell, Ind.
National Mortar & Supply Co. (For Agricultural Use; also Glass Makers), 2nd Nat'l Bank bldg, Pittsburgh, Pa.
Ohio Marble Co., Piqua, O.
Rock Cut Stone Co. (For Agricultural Use), Syracuse, N. Y.
Security Cement & Lime Co., Security, Md.
Skrainka Construction Co., Security bldg, St. Louis, Mo.
Standard Lime & Stone Co., Equitable bldg, Baltimore, Md.
Whitestone Marble Co., Atlanta, Ga.

### 7460—Limestone (Screened)

Bessemer Limestone Co., Youngstown, O.
Columbus Macadam Co., 319 Dublin av, Columbus, O.
Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
Marble Cliff Quarries Co., Columbus, O.

### 7461— Liners (Chute)

See also Plates, Chute

Alloy Steel Forging Co., Carnegie, Pa.

### 7462— Liners (Cylinder)

American Welding Co., Carbondale, Pa.

### 7463— Lines (Measuring)

Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Kane Supply Co. (For Oil & Gas Wells), Kane, Pa.

### 7463a—Liniment (Chloroform)

Am. Pharmacal Co. (U. S. P.), 819 No. Phila., Pa.

### 7463b— Liniment (Soap)

Am. Pharmacal Co. (U. S. P.), 819 No. Phila., Pa.

### 7463c—Linings (Bag, Waterproof)

Arkell Safety Bag Co., 120 B'way, New York

### 7463d—Linings Barrel (Elastic Paper)

Arkell Safety Bag Co., 120 B'way, New York

### Linings (Blast Furnace)

See Brick, Blast Furnaces

### 7463e— Linings (Brake)

Kelso Mfg. Co., Trenton, N. J.
Raybestos Co., 1427 Railroad av, Bridgeport, Conn.
Thermoid Rubber Co. ("Thermoid"), Trenton, N. J.
*See adv index at end of book*

### 7464— Linings (Carpet)

Am. Tar Products Co., 208 S La Salle, Chicago, Ill.
Brown Co. ("Bulls Hide Gray"), Portland, Me.
Bishop Robert Mfg. Co., 157 W Sixth, South Boston, Mass.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Carlyle Paper Co., Carlyle, Ill.
Certain-teed Products Co., St. Louis, Mo.
Ford Roofing Products Co., 2339 La Salle, Chicago, Ill.
Fox Paper Co., Lockland, O.
Certain-teed Products Corp. (Plain & Corrugated), Boatman's Bank bldg, St. Louis, Mo.
Johns-Manville H. W. Co., Madison av & 41st, New York
Kieffer Paper Co., Brownstown, Ind.
Kingston Paper Co., Inc., Little Falls, N. Y.
Mac-Sim-Bar Paper Co. (Corrugated), Otsego, Mich.
Munroe Falls Paper Co., Massillon, O.
Munroe Felt & Paper Co., 79 Summer, Boston, Mass.
New England Carpet Lining Co., New London, Conn.
Newton Paper Co. ("Gold Medal"), Holyoke, Mass.
Ohio Paper Co., Miamisburg, O.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
Rockton Paper Co. (Corrugated), Rockton, Ill.
Schmidt & Ault Paper Co., York ,Pa.
Sutton E. W., 53 Sedgwick, Brooklyn, N. Y.
Thompson & Norris Co. The, (Corrugated), 212 Concord, Brooklyn, N. Y.
Union Carpet Lining Co., 79 Summer, Boston, Mass.
Van de Carr Paper Co., Stockport, N. Y.
Watson H. F. Co. (Corrugated, Moth Proof, etc), Erie, Pa.

### 7465— Linings (Case)

Acme Paper Co. (Suit Case), 52 E Elizabeth, New York
Certain-teed Products Corp. (Waterproof), Boatsman's Bank bldg., St. Louis, Mo.
Hydrex Felt & Engineering Co. (Waterproof), 120 Liberty, New York
Insurance Packing Mills (Waterproof, Cloth Lined & All Paper), Brockton, Mass.
Keystone Roofing Mfg. Co. ("Keystone" Waterproof, Duplex, Single Coated & Reinforced Papers), York, Pa.
UNION PAPER & TWINE CO., 125 St. Clair av, N W, Cleveland, O. & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

### 7466-7— Linings (Clutch)

BETTES & EBSEN, 152 Chambers, New York *See adv index at end of book*
Detroit Leather Specialty Co., Inc. ("Wear Well"),275 Beecher av, Detroit, Mich.
Dominion Asbestos & Rubber Corp. ("Griptite"), 154 Nassau, New York
*See adv index at end of book*
Graton & Knight Mfg. Co., Worcester, Mass.
Hide Leather & Belt Mfg. Co. (Leather), 227 S Meridian, Indianapolis, Ind.
Jewell Belting Co. ("Gem"), Hartford, Conn.
Mau-Sherwood Supply Co. (Automobile Cone), 1616 W 3d, Cleveland, O.
Milwaukee Leather Belting Co. ("M. L. B."), 146 W Water, Milwaukee, Wis.
National Leather Mfg. Co. ("National," & "Wolverine"), Niles, Mich.
Rahmann Geo. & Co. (Hydraulic, Leather), 31 Spruce, New York
Raybestos Co., Bridgeport, Conn.
Thermoid Rubber Co., Trenton, N. J.
*See adv index at end of book*

### 7468— Linings (Digester)

Stebbins Engineering & Mfg. Co., Watertown, N. Y.

### 7469— Linings (Flue)

See also Pipe, Sewer

American Clay Products Co., 175 5th av, New York
American Fire Brick Co., Spokane, Wash.
American Sewer Pipe Co., Akron, O.
Bannon P. Pipe Co., Louisville, Ky.
Blackmer & Post Pipe Co. (Fire Clay), Boatman's Bank bldg., St. Louis, Mo.
Buckeye Fireclay Co., Uhrichsville, O.
Campfield Raggle Block Co. (Air Cell Fire Proof, Smoke Stack Liners), Richmond, Ind.
Cannelton Sewer Pipe Co., Cannelton, Ind.
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Columbus Sewer Pipe Co., Columbus, Ga.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Dickey W. S. Clay Mfg. Co., N. L. Life bldg, St Louis, Mo
Duffy J. P. Co., 207 E 138th, New York
East Ohio Sewer Pipe Co., Irondale, O.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Evans Clay Mfg. Co., Uhrichsville, O.
Excelsior Fire Clay Co., Lisbon, O.
Gladding, McBean & Co. (Terra Cotta), Crocker bldg, San Francisco, Cal. Works: Lincoln, Cal.
Hall & Sons, Buffalo, N. Y.
Iowa Pipe & Tile Co., Des Moines, Ia.
Klotz A. E. Fireproofing Co., 2517 Washington, New York
Laclede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.
Lehigh Sewer Pipe & Tile Co, Fort Dodge, Ia.

LININGS (FLUE)—continued

Livermore Fire Brick Wks., Niles, Cal.
**Macomb Sewer Pipe Co. (Fire Clay), Macomb, Ill.**
Macon Sewer Pipe Wks., Macon, Ga.
Mushet W. E. Co. (Jobbers), 502 Mission, San Francisco, Cal.
**New York Pottery Co., Fuller bldg, New York**
**Northwestern Clay Mfg. Co., Aledo, Ill.**
Oconee Brick & Tile Co., Milledegeville, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
**Patton Clay Mfg. Co. (Cambria Co.), Patton, Pa.**
Pomona Terra Cotta Co., Pomona, N. C.
Red Wing Sewer Pipe Co., Red Wing, Minn.
Reeve Augustus, Camden, N. J.
Robinson Clay Product Co., Akron, O.
Robinson & Sons Sewer Pipe Co., Ulrichsville, O.
St. Marys Sewer Pipe Co., St. Mary's, Pa.
San Antonia Sewer Pipe Wks., San Antonio, Texas
**Shawmut Clay Mfg. Co. ("Shawmut"),** Drummond, Pa., & 182 B'way, New York
Southern Sewer Pipe Co., Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Stratton Fire Clay Co., Empire, O.
Streator Clay Mfg. Co., Streator, Ill.
Texarkana Pipe Wks., Texarakana, Ark.
Uhl Pottery Co., Evansville, Ind.
Union Sewer Pipe Co., McKeesport, Pa.
**Vigo-Am. Clay Co., Terra Haute, Ind.**
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.
**Williams N. A. Co., 133 W Washington, Chicago, Ill.**
**Winslow & Co., Portland, Me.**

## 7469a— *Linings (Furnace)

See also Brick (Blast Furnace)

General Ceramics Co. (Clay), 50 Church, New York

## Linings (Ladle)

See Brick, Ladle

## 7470—Linings (Ladle, Cinder Car)

Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.

## 7471— Linings (Pump)

**Taylor-Wharton Iron & Steel Co., High Bridge, N. J.**

## 7472—Linings (Refrigerator)

Baltimore Enamel & Novelty Co., ("Enameled Iron), 4 E Redwood, Baltimore, Md.
Bangor Structural Slate Co. (Slate), Bangor, Pa. *See adv index at end of book*
**Enamel Products Co. (Enameled Iron),** Eddy rd & Taft av, Cleveland, O.
**INGRAM-RICHARDSON MFG. CO.** (Porcelain Enameled Iron, One Piece & Flat Sheets), Beaver Falls, Pa.
*See adv index at end of book*
**Mineral Products Co. ("Xyno," Stone),** Rhinelander, Wis.
National Refrigerator Co., 827 Koeln av, St. Louis, Mo.
Structural Slate Co., Penn Argyl, Pa.
Vitreous Enameling Co., Grant av, Cleveland, O. *See adv index at end of book*

## 7473-4—Linings (Rubber Boot & Shoe)

Draper Bros. Co., Canton, Mass.

## 7475— Linings (Tin)

**Abernethy John F. (For all Vessels), 703** Myrtle av, B'klyn, N. Y.

## 7476— Links (Chain Repair)

**Columbus McKinnon Chain Co., Columbus, Ohio**
*See adv index at end of book*
**KILBORN & BISHOP CO.** (Drop Forged), 194 Chapel, New Haven, Conn.
*See adv index at end of book*
**Krein Chain Co., Wapakoneta, O.**

**LAUGHLIN THOS. CO.** ("Missing Link" Drop Forged with Double Interlocking Lug), Portland, Me.
Marine Hardware-Equipment Co. ("Acme" Drop Forge & "Mneco" Double Lock Forge, S. Portland, Me.
*See adv index at end of book*
Nixdorf Krein Mfg. Co., 900 Howard, St. Louis, Mo.

## 7477— Links (Connecting)

Auer John, Jr. (Wrought Iron Open), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co. (Wrought Iron), 2nd & Somerset, Phila., Pa.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
**KILBORN & BISHOP CO.** ("K. B." Forged), 194 Chapel, New Haven, Conn. *See adv index at end of book*
Laughlin Thos. Co. (Missing Link," "Eagle" Chain Repair Links), Portland, Me.
Marine Hardware-Equipment Co. ("Acme" Drop Forged), South Portland, Me.
Newhall Chain, Forge & Iron Co. (Also Repair), 89 West, New York
Pittsburgh Knife & Forge Co., Inc., Ridge & Chateau, Pittsburgh, Pa.
Wilcox, Crittenden & Co., Inc ("Lasting" Drop Forged), Middletown, Conn.
*See adv index at end of book*

## 7478— Links (Drag)

Chain Belt Co., Milwaukee, Wis.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila., Pa.
Michigan Electric Welding Co., 514 Hart, Detroit, Mich.

## 7479—Links For Conveyor Chains

Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Chain Belt Co., Milwaukee, Wis.
Henry & Allen (Malleable & Steel), Auburn, N. Y.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Scranton Forging Co., Scranton, Pa.
*See adv index at end of book*
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

## 7480—Links (Fusible Fire Door, Etc.)

Aurora Door Hanger & Spec. Co., Aurora, Ill.
Chicago Fuse Mfg. Co. ("Union"), Taplin & 15th, Chicago, Ill.
*See adv index at end of book*
Richards-Wilcox Mfg. Co., Aurora, Ill.
Smith F. F. Hardware Co. (For Fireproof Windows, etc.), Newark, N. J.
ark, N. J.
Victor Mfg. Co. ("Victor"), Newburyport, Mass.
Yates J. W., 168 8th av, New York

## 7481— Links (Grab, Etc.)

Weimer Chain & Iron Co., Lebanon, Pa.

## 7482— Links (Lap)

Collins, Hilton Co., Louisville, Ky.
Columbus Handle & Tool Co., Columbus Ind
Krein Chain Co., Wapakoneta, O.

## 7483— Links (Split)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Parker Wire Goods Co. (Brass Wire) Worcester, Mass.
Plume & Atwood Mfg. Co. (Also Safety & Plumbers' Links), Waterbury, Conn.

## 7484—Links & Pins (Coupling)

Alloy Steel Forging Co. (Pins), Carnegie, Pa.
American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
Boston Forge Co., East Boston, Mass.
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Champion Rivet Co., Harvard & E 108th, Cleveland, O.
**JEFFREY MFG. CO., 961 N 4th, Columbus, O.**
*See adv index at end of book*
Kansas City Bolt & Nut Co., Kansas City, Mo.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Screw Co. (Pins), Clarence & Bulwer avs, St. Louis, Mo.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
**Wilcox D. Mfg. Co., Mechanicsburg, Pa.**

## 7485— Linoleates

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
*See adv index at end of book*

## 7486— Linoleum Mfrs.

See also Oil Cloth Mfrs.

**American Linoleum Mfg Co, 366 5th av,** New York
Armstrong Cork Co. ("Armstrong" Linoleum Dept.), Lancaster, Pa.
**Beuttell Henry & Sons ("Greenwich" Inland, etc), 114 5th av, New York**
Blabon Geo. W. Co., Nicetown, Phila., Pa.
Cook's Linoleum Co. ("Cooks" Inlaid, etc), Trenton, N. J.
Farr & Bailley Mfg. Co., Camden, N. J.
Germania Importing Co. ("Anchor," Inlaid, Imported), 41 Union sq, New York
Nairn Linoleum Co., Kearny, N. J.
**Potter Thos. Sons & Co. (Inc.), N 2d & Erie av, Philadelphia, Pa.**
Ringwalt Linoleum Works ("Rubberoleum"), New Brunswick, N. J.
United Roofing & Mfg. Co. ("Congoleum"), Morris bldg, Phila., Pa.
Weber C. H. ("Hansa" German Imported), 45 E 17th, New York
Wild Joseph & Co. ("Battleship"), 366 5th av, New York
Witcombe McGeachin & Co. ("Staines" Inlaid Imported), 22 W 37th, New York

## 7487—Linseed Oil Substitutes

Boley C. H. Co. ("Lin-O-Lin"), 3722 N Randolph, Phila., Pa.
Crescent Oil & Supply Co., 303 N Level, St. Louis, Mo.
Sero Specialty Co., 2860 E 34th, Cleveland, O.

## 7488—Linseed Oil & Cake Mills

### CALIFORNIA.

BERKELEY—El Dorado Oil Works (W. B.)
SAN FRANCISCO—Dunn J. T. Co. (Imp), 216 Pine. *See adv index at end of book*
Pacific Oil & Lead Works, 155 Townsend

### ILLINOIS.

CHICAGO—Adams Fred C. Co. (Linseed Oil), 118 N La Salle
American Linseed Co., 2209 Lmbr
American Wood Preserving Co. (Economic Linseed Oil) ("Peal-Lin"), 1351 N Branch
Chicago White Lead & Oil Co., 1454 S Western av
Hirst & Begley Linseed Co., 2013 Mendel
Star Oil Co., 343 N Irving av

INDIANA.

INDIANAPOLIS—Evans Linseed Oil Co.

IOWA.

DES MOINES — Ankeney Linseed Mfg. Co. ("Anchor Brand," Oil, Cake & Meal)

MASSACHUSETTS.

BOSTON—American Linseed Co., 79 Milk
National Lead Co. of Mass, 131 State

MICHIGAN.

DETROIT—American Linseed Co.
National Lead Co., 10th & Howard

MINNESOTA.

MINNEAPOLIS—American Linseed Co., 794 Hampden; Main Office, New York City
Archer-Daniels Linseed Co., 2901 S E 6th
Midland Linseed Products Co., 1254 Chambers of Commerce
Minnesota Linseed Oil Co., 1101 S 3rd
Northern Linseed Oil Co., St. Anthony Park
RED WING—Red Wing Linseed Co.
ST. PAUL—American Linseed Co., 794 Hampden av.

MISSOURI.

KANSAS CITY—American Linseed Co., Main Office, N. Y. City
National Lead Co., 1406 W 13th
ST. LOUIS—American Linseed Co., 1600 Clark av., Main Office, N. Y. City
Mound City Paint & Color Co., 11th & Mullanphy

NEBRASKA.

OMAHA—American Linseed Co., Main Office, N. Y. City

NEW JERSEY.

EDGEWATER—Kellogg, Spencer & Sons (See Buffalo, N. Y.)
Midland Linseed Products Co. (See Minneapolis, Minn.)

NEW YORK.

AMSTERDAM—Kelloggs & Miller

BUFFALO—American Linseed Co., W. Ganson
Hauenstein & Co., 39 Vincennes
Kellogg, Spencer & Sons
Mann Bros. Co., 340 Ohio
NEW YORK—American Linseed Co. ("American," "Dean," & Thayer"), Woolworth bldg
Elbert & Co. (Imp.), 71 Wall
National Lead Co. ("Dutch Boy" Linseed Oil), 111 B'way

OHIO.

CINCINNATI—National Lead Co., 659 Freeman av.
CLEVELAND—Crawford Specialty Mfg. Co., Blackstone bldg
Harshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, Ohio
Malone Oil Co., 2197 E 18th
National Lead Co., 637 Champlain av
TOLEDO—Metzger Seed & Oil Co.

OREGON.

PORTLAND — Portland Linseed Oil Works, Sherlocks av, ft of 22d

PENNSYLVANIA.

PHILADELPHIA—Grove Linseed Oil Co., Del. av & Bigler
Harshaw, Fuller & Goodwin Co., Cleveland, New York & Philadelphia
Lewis John T. & Bros. Co., Lafayette bldg
PITTSBURGH—National Lead & Oil Co. (of Penna.) (Raw, Boiled & Refined), Commonwealth bldg.
Waverly Oil Works Co., 54th & A. V. RR. *See adv index at end of book*

TEXAS

CARTHAGE—Carthage Cotton Oil Co.

WISCONSIN.

MILWAUKEE—Goodrich, Wm. & Co., 30th & Hopkins

## 7488a— Linters (Cotton Seed)

Boston Excelsior Co., 562 W 29th, New York
Hirsch Cotton & Linter Co., Macon, Ga.
Smith A. A. Cotton Products Co., Atlanta, Ga.
Texas Cake & Linter Co., Dallas, Texas
Union Seed & Fertilizer Co., 65 B'way, New York

## 7489—Lips (Dredge & Clam Shell Bucket)

Alloy Steel Forging Co., Carnegie, Pa.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Taylor-Wharton Iron & Steel Co. (Manganese Steel), High Bridge, N. J.

## 7490—Liquid Putty For Greenhouses

Weatherproof Calking Co., No. Minneapolis, Minn.

## 7491— Liquids (Asphaltum,

Parker C. H. Co., Valpariso, Ind.
*See adv index at end of book*

## 7491a— Liquids (Iron)

Avery Chemical Co., 88 Broad, Boston, Mass.
Eastwood Chemical Co., Belleville, N. J.

## 7492— Liquids (Red)

Eastwood Chemical Co. (For Dying Cotton & Print Goods), Belleville, N. J.

## 7493—Listers & Corn & Cotton Planters (Riding)

Avery B. F. & Sons ("Mr. Bill"), Louisville, Ky.
Case J. I. Plow Works ("Racing Jr. Model B," "Non Skid," "Listers," "Center Drive Cell Drop," "Two Low Cell Drop," "Lone Star"), Racine Wis.
Deere & Co. ("Deere"), Moline, Ill.
Emerson-Brantingham Co. ("E-B" Single & Double Row), Rockford, Ill.
Gale Mfg. Co. ("Sure Drop"), Albion, Mich.
Ohio Cultivator Co. ("Ohio Flyer"), Bellevue, Ohio
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Parlin & Orendorff Co. ("P. & O." Riding & Walking), Canton, Ill.
Racine-Sattley Co. ("Lucky Hit," "Tonapah"), Springfield, Ill.

## 7494—Listers & Drills (Riding)

Case J. I. Plow Works (Racine, Jr, Model B," "Non Skid" Wide Tread, Two Row Power Lift for Tractors), Racine, Wis.
Deere John Plow Works, Moline, Ill.
Deere & Co. ("John Deere"), Moline, Ill.
Deere & Co., Moline, Ill.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Gale Mfg. Co. ("Great West," "Sure Drop"), Albion, Mich.
Grand Detour Plow Co. ("Grand Detour"), Dixon, Ill.
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Janesville Machine Co. ("Janesville"), Janesville, Wis.
La Crosse Plow Co. ("La Crosse"), La Crosse, Wis.
Moline Plow Co. ("Easy Money," "Tri Belle," "Western Belle"), Moline, Ill.
Ohio Cultivator Co. ("Ohio Senior"), Bellevue, Ohio
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Parlin & Orendorff Co. ("P. & O." Riding & Walking), Canton, Ill.
Peru Plow & Wheel Co. ("Boss," "Little Duke," "Model," "New Duke"), Peru, Ill.
Racine-Sattley Co. ("Little Buster," "Lucky Hit," "Sattley"), Springfield, Ill.
Rock Island Plow Co. ("Rock Island," "Tricycle"), Rock Island, Ill.
St. Joseph Plow Co. ("Early Bird," "Famous St. Joe," "Tri-Wheeler"), St. Joseph, Mo.
Sechler D. M. Implement & Carriage Co. ("Black Hawk"), Moline, Ill.
Swanson Plow Co., Muskogee, Okla.

## 7495—Listers & Drills (Riding, Two Row)

Deere & Co. ("John Deere"), Moline, Ill.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
St. Joseph Plow Co. ("Famous St. Joe," "St. Joe"), St. Joseph, Mo.
Thompson Plow & Engine Works, Beloit, Wis.

## 7496—Listers & Drills (Walking)

Deere & Co. ("John Deere"), Moline, Ill.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Gale Mfg. Co. ("Great West"), Albion, Mich.
Grand Detour Plow Co. ("Grand Detour"), Dixon, Ill.
Hayes Pump & Planter Co. ("Hayes"), Galva, Ill.
Moline Plow Co. ("Puritan"), Moline, Ill.
Ohio Cultivator Co. ("Famous Ohio," "Ohio Junior"), Bellevue, O.
Oliver Chilled Plow Works ("Oliver" & "Black Hawk"), South Bend, Ind.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Peru Plow & Wheel Co. ("Peru"), Peru, Ill.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Rock Island Plow Co. ("Empress"), Rock Island, Ill.
St. Joseph Plow Co. ("Famous St. Joe"), St. Joseph, Mo.
Swanson Plow Co., Muskogee, Okla.
Thompson Plow & Engine Works, Beloit, Wis.

## 7497— Litharge

**See also White & Red Lead Mfrs.**

Continental Products Co., Quebec av, Cleveland, O.
Coulston J. W. & Co. (Red), 80 Maiden lane, New York
Doggett Stanley (Jobbers), 11 Cliff, New York
du Pont (E. I.) de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
Eagle Picher Lead Co. (The), ("Picher" Oil Refiners Litharge), 208 S La Salle, Chicago, Ill.
Euston White Lead Co., Wabash Tracks, St. Louis, Mo.
Fuller, Ralph L. & Co., Inc., 81 Fulton, New York
Fuller W. P. & Co., 301 Mission, San Francisco, Cal.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Katzenbach & Bullock Co., 100 William, New York
Lead Products Co., 3215 Papin, St. Louis, Mo.
Lehigh Chemical Co., Allentown, Pa.
Lewis John T. & Bros. Co., Lafayette bldg, Phila., Pa.
McNulty Joseph A., 135 William, New York *See adv index at end of book*
National Lead Co., 111 B'way, New York
National Lead & Oil Co (of Pa.), (For Glassmakers & Rubber Mfrs.), Commonwealth bldg, Pittsburgh, Pa.
National Sales & Trading Co., Cleveland, Ohio
Scheel Wm. H. (Red, etc., Imported), 159 Maiden lane, New York
*See adv index at end of book*
United Lead Co., 111 Broadway, New York
Waldo E. M. & T. ("Oxemony" Red), 11 B'way, New York
Wetherill & Bro., 126 S 30th, Phila., Pa.
Whittaker, Clark & Daniels, Inc. (Jobbers), 250 Front, New York
Wiarda John C. & Co. (Jobbers), 278 Greene, Brooklyn, N. Y.

## 7497a— Lithium Benzoate

**Mallinckrodt Chemical Wks.**, 2nd & Mallinckrodt, St. Louis, Mo.
**Roessler & Hasslacher Chemical Co.**, 709 6th av, New York

## 7497b— Lithium (Bromide)

Cooper Chas. & Co., 194 Worth, New York

## 7497c— Lithium (Carbonate)

Cooper Chas. & Co., 194 Worth, New York
**Mallinckrodt Chemical Wks.**, 2nd & Mallinckrodt, St. Louis, Mo.
**Roessler & Hasslacher Chemical Co.**, 709 6th av, New York

## 7497d—Lithium (Chloride)

Cooper Chas. & Co., 194 Worth, New York
**Mallinckrodt Chemical Wks.**, 2nd & Mallinckrodt, St. Louis, Mo.
**Roessler & Hasslacher Chemical Co.**, 709 6th av, New York

## 7497e— Lithium (Iodide)

Cooper Chas. & Co., 194 Worth, New York

## 7497f— *Lithographers

**Leonhardt Theo. & Sons**, 5th & Sansom, Phila., Pa.

## 7498— Lithopone

**Bayer Co. (Imp.)**, 117 Hudson, New York
**Bauer Philip Co.**, 25 W Broadway, New York
**Butterworth-Judson Corp.**, 61 B'way, New York *See adv index at end of book*
**Chemical Pigments Corp. (Zinc Cloth)**, Stock Exch. bldg, Phila., Pa.
**Coulston J. W. & Co. (Imp.)**, 80 Maiden lane, New York
**Du Pont (E. I.) De Nemours Co. (Paint & Varnish Sales Div.)**, Wilmington, Del.
**Eagle Picher Lead Co.**, 208 S La Salle, Chicago, Ill.
**Fuller Ralph L. & Co., Inc.**, 81 Fulton, New York
**Grasselli Chemical Co., Guardian bldg**, Cleveland, O.
**Harshaw, Fuller & Goodwin Co.**, Elec. bldg, Cleveland, O.
**Heller & Merz Co. ("Ponolith")**, 503 Hudson, New York
**Innis, Speiden & Co., Inc. (Imp.)**, 46 Cliff, New York. *See adv index at end of book*
**Katzenbach & Bullock Co.**, 100 William, New York
**Klipstein A. & Co. (Imported)**, 644 Greenwich, New York
**KREBS PIGMENT & CHEMICAL CO.**, ("Ponolith") Newport, Del.
**National Sales & Trading Co.** (30%), Cleveland, Ohio
**New Jersey Zinc Co.** ("Standard A" & "Green Label"), 160 Front, New York
**Pfaltz & Bauer (Imp.)**, 300 Pearl, New York
**Port Morris Chemical Wks.**, 141st & Locust av, New York
**Rolls H. J.**, Ellicott Sq. bldg, Buffalo, N. Y.
**Scheel Wm. H. (Imported)**, 159 Maiden la, New York *See adv index at end of book*
**Uhlich Paul & Co. (Imp.)**, 11 Cliff, New York
**Whittaker, Clark & Daniels, Inc. (Imp.)**, 250 Front, New York

## 7499— Litmus

**Atlas Laboratory Equipment Bureau** (Cubes), 731 N Wells, Chicago, Ill. *See adv index at end of book*
**Cooper Chas. & Co.**, 194 Worth, New York
**Daigger A. & Co.**, 54 W Kinzie, Chicago, Ill.
**Denver Fire Clay Co.**, Denver, Colo.
**Eimer & Amend**, 205 3rd av, New York
**Palo Co.**, 90 Maiden Lane, New York
**Powers-Weightman-Rosengarten Co.**, 916 Parrish, Phila., Pa.
**Schaar & Co.**, 1025 S State, Chicago, Ill.

## Litters (Folding)

**See Stretchers, Hospital**

## 7500— Loaders (Alfalfa)

**Emerson-Brantingham Co.** ("E-B" Gearless Cylinder) Rockford, Ill.
**Sterling Mfg. Co.**, Sterling, Ill.

## 7501-2— Loaders (Box Car)

**Ellison Wm. & Sons Mfg. Co.**, St. Louis, Mo.
**Fairmont Mining Machinery Co. ("Fairmont" Rotary)**, Fairmont, W. Va.
**Federal Railway Supply Co.**, Knoxville, Tenn.
**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*
**Manierre Engineering Co. ("Manierre")**, Colby-Abbott bldg, Milwaukee, Wis.
**Ottumwa Box Car Loader Co. (Electric or Steam)**, Ottumwa, Ia.
**Portable Machy. Co., Inc.**, Passaic, N. J.

## Loaders (Cane)

**See Loaders, Sugar Cane**

## 7503— Loaders (Coal Car)

**Alvey-Ferguson Co.**, 70 North av, Oakley, Cincinnati, O.
**Bucyrus Co.**, S. Milwaukee, Wis.
**Byers Jno. F. Machine Co.**, 242 S Sycamore, Ravenna, O. *See adv index at end of book*
**Holmes Robt. & Bros. (End Loaders)**, Danville, Ill. *See adv index at end of book*
**Joy Machine Co.**, Union Arcade, Pittsburgh, Pa.
**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*
**Ottumwa Box Car Loader Co. (Electric or Steam)**, Ottumwa, Ia.
**Portable Machy. Co., Inc.**, Passaic, N. J. Pa. *See adv index at end of book*

## 7504— *Loaders (Dirt)

**Byers Jno. F. Machine Co.**, 242 S Sycamore, Ravenna, O. *See adv index at end of book*
**KEYSTONE DRILLER CO.**, Beaver Falls, Pa. *See adv index at end of book*

## 7505— Loaders (Grain Car)

**Bauder E. ("Reynolds")**, Sterling, Ill.
**Caldwell H. W. & Son Co. ("Champion," "Sterling")**, 17th & Western av, Chicago, Ill.
**Case J. I. Threshing Machine Co.**, Racine, Wis.
**Clark W. J. Co.**, Salem, O.
**Maroa Mfg. Co. ("Boss")**, Maroa, Ill.
**Pease E. H. Mfg. Co.**, Racine, Wis.
**Taylor L. E. & Co., ("Englehart")** 312 Flour Exchange, Minneapolis, Minn.

## 7506— Loaders (Hay)

**Dain Mfg. Co. ("Dains")**, Ottumwa, Ia.
**Emerson-Brantingham Co. ("E-B" Gearless Cylinder)**, Rockford, Ill.
**Hocking Valley Mfg. Co.**, Lancaster, O.
**International Harvester Company of America (Inc.) (Keystone-International)**, 702 Harvester bldg, Chicago, Ill.
**Kouns Wesley**, Salina, Kansas
**Marseilles Works of Deere & Co.**, East Moline, Ill.
**Massey-Harris Harvester Co.**, Batavia, N. Y.
**Miller N. C. & Son**, Dodgeville, Wis.
**Moline Plow Co. ("Flying Dutchman," "Moline")**, Moline, Ill.
**Ohio Rake Co. ("Ohio," "Dayton")**, Dayton, O.
**Rock Island Plow Co.** (Cylinder Rake Bar), Rock Island, Ill.
**Sandwich Mfg. Co. ("Clean Sweep," "Easy Way")**, Sandwich, Ill.
**Sterling Mfg. Co.**, Sterling, Ill.
**Thomas Mfg. Co. ("Thomas-Swath," "Thomas" Single Cylinder Loaders," "Thomas Double Cylinder")**, Springfield, O.
**Thornburgh Mfg. Co.**, Bowling Green, O.

## 7507— Loaders (Log)

**Allis-Chalmers Co.**, Milwaukee, Wis.
**American Hoist & Derrick Co. ("American")**, St. Paul, Minn.
**Byers Jno. F. Machine Co.**, 242 S Sycamore, Ravenna, O. *See adv index at end of book*
**Clyde Iron Works Sales Co. ("Clyde," "McGiffert," "Decker," "Rapid" Clyde Iron Works)**, Duluth, Minn. *See adv index at end of book*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**Filer & Stowell Co. (Steam)**, Milwaukee, Wis.
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**Jeffrey Mfg. Co.**, 961 N 4th, Columbus, O. *See adv index at end of book*
**Lambert Hoisting Engine Co.**, 117 Poinier, Newark, N. J.
**LIDGERWOOD MFG. CO. (Steam)**, 96 Liberty, New York *See adv index at end of book*
**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
**Luther Frederick P. Co.**, 14 E Jackson blvd, Chicago, Ill
**Lyon Iron Works**, Greene, N. Y.
**Marion Steam Shovel Co.**, P. O. Box 505, Marion O.
**Monighan Machine Co. (Steam)**, 2032 Carroll av, Chicago, Ill.
**Murray D. J. Mfg. Co.**, Wausau, Wis.
**National Iron Co. ("Forest")**, Duluth, Minn.
**Parker Surry (Steam)**, Pinetown, N. C.
**Phoenix Mfg. Co.**, Eau Claire, Wis.
**Sasgen Derrick Co.**, 3101 W Grand av, Chicago, Ill.
**Soule Steam Feed Works**, Meridian, Miss.
**Street Bros. Machine Works**, Chattanooga, Tenn.
**Washington Machinery & Supply Co.**, Spokane, Wash.
**Wheland Co.**, Chattanooga, Tenn.

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**Jeffrey Mfg. Co.**, 961 N 4th, Columbus, O. *See adv index at end of book*
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**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*

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Atlas Engng. Co (Traction), 3009 Lisbon av, Milwaukee, Wis.
**AUSTIN MACHINERY CORP.,** Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*
Austin Mfg. Co. ("New Era"), 910 S Michigan av, Chicago, Ill.
Barber-Green Co., Aurora, Ill.
Bonney Supply Co., Livingston bldg, Rochester, N. Y.
**GIFFORD WOOD CO.,** Hudson, N. Y.
Haiss Geo. Mfg. Co., 141st & Rider av, New York
Hudson Machinery Co., Passaic, N. J.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**Lee Loader & Body Co. (Also Motor Truck), 2343 So La Salle, Chicago, Ill.**
**LINK-BELT CO.** (Portable for Coal, Gravel, Broken Stone, etc.), 329 W **39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.**
*See adv index at end of book*
Nelson N. P. Iron Wks., 212 40th, B'klyn, N. Y.
Pittsburgh Conveying Machinery Co., **4th & Duquesne wy, Pittsburgh, Pa.**
Portable Mchy. Co., Inc., Passaic, N. J.
Ransome Concrete Machinery Co., Dunellen, N. J.
**Specialty Engineering Co., Trenton & Alleghany, Philadelphia, Pa.**
Western Wheeled Scraper Co., Aurora, Ill.

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Acme Road Machy Co., Frankfort, N. Y.
**Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.**
*See adv index at end of book*
Heltzel Steel Form & Iron Co., Warren, O.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*
Portable Machy. Co., Inc., Passaic, N. J.

## 7512a—Loaders & Unloaders (Car)

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**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill, & Hunting Park av & P. & R. Ry, Phila, Pa.
*See adv index at end of book*
Portable Machy. Co., Inc., Passaic, N. J.
Universal Road Machy. Co., Kingston, N. Y.

## 7513— Locators (Pipe)

Modern Iron Works ("D. B. M." Wireless), Quincy, Ill.

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American Nut & Bolt Fastener Co., 3 Ontario & Doerr, Pittsburgh, Pa.
American Pin Co. ("Ampinco"), Waterbury, Conn.
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Barber & Co., 2812 S Wabash av, Chicago, Ill.
**BOSS NUT CO.,** 1744 N Kolmar av, Chicago, Ill.
Bourne & Knowles Mfg. Co., Cleveland, O.
Chicago Ferrule & Nut Co. (Lock-Nuts), 880 Lile av, Chicago, Ill.
Columbia Nut & Bolt Co. ("Columbia," for Railroads, Machinery, Automobiles, etc), Bridgeport, Conn.
Dieter Nut Co. ("D. S." Safety Lock-Nut), 374 Madison av, New York
Drake Lock-Nut Co. ("Drake"), 10th & Folsom, San Francisco, Cal.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
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Franklin Railway Supply Co. ("McLaughlin" for Piston Rods of Air Pumps, etc), **30 Church, New York**
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Grabler Mfg. Co. (Malleable Iron & Steel, for Plumbing & Electric Work), Cleveland, O.
**GRAMMES L. F. & SONS,** Allentown, Pa.
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Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
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Jones Positive Nut Lock Co., 2812 S Wabash av, Chicago, Ill.
Larkin J. K. & Co. (Pipe Locknuts), 34 Reade, New York
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**Mansfield Lock Washer Co., Mansfield, O.**
National Lock Washer Co., 65 Johnson, Newark, N. J.
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National Umbrella Frame Co. ("Neverslip"), 30th & Thompson, Phila., Pa.
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Patterson Locknut Mfg. Co., 14 E Jackson bldg, Chicago, Ill.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich .
Philadelphia Electrical & Mfg. Co. ("Pemco," Malleable Iron Washers with **Nut-Locking Feature Added), 1236 N** 31st, Phila., Pa.
Positive Lock Washer Co. of America (Inc.), Av A. Newark, N. J.
**QUADRIGA MFG. & SPECIALTY CO.,** (Lock Washers), 213 W Grand av, Chicago, Ill. *See adv index at end of book*
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Reliance Mfg. Co. (Lock Washers), Massillon, O.
Roller Lock Nut Co., Inc., 61 B'way, New York
**St. Louis Malleable Casting Co. (Malleable Iron Nut Lock Washers), 7701 Conduit av, St. Louis, Mo.**
Schum Bros., Metropolitan Tower, New York
Scott John M. & Sons, Racine, Wis.
Shekleton Nutlock Ltd. ("Shekleton No-Spring" Washers), 68 B'way, New York
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Steel City Electric Co. ("Fullman" Lock-Nut for Rigid Conduit), 1207 Columbus av, Pittsburgh, Pa.
Steel Specialties Co. ("Worth" Wedge **Washer), Waltham, Mass.**
Torsion Nut Lock & Washer Co., Inc. ("Torsion"), 11 Central, Boston, Mass.
*See adv index at end of book*
**United Nut Lock Co. ("Hugtite" Nut Lock), Springfield, Mass.**
Verona Tool Works ("Verona," Nut-Lock), **Oliver bldg, Pittsburgh, Pa. & Verona, Pa.**
Western Tool & Forge Co., Brackenridge, Pa.

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Cleveland Wire Spring Co., 1281 E 28th, Cleveland, O.
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Durand-Steel Locker Co. ("Durand" Steel), **1435 Ft. Dearborn Bank bldg,** Chicago, Ill.
Federal Steel Fixture Co. ("Federal" Steel), 8700 S Halsted, Chicago, Ill.
Gem Stamped Steel Co., Chelsea, Mass.
**HART & HUTCHINSON CO.** ("H. & H." Steel), Dept C, New Britain, Conn.
Hauserman, E. F. Co., Cleveland, O.
Hess Warming & Ventilating Co. ("Hess" Steel), 1211 S Western av, Chicago, Ill.
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Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
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**Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.**
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Shults H. H. Co., Gowanda, N. Y.
**SMITH F. P. WIRE & IRON WORKS,** Lake & Dearborn, Chicago, Ill.
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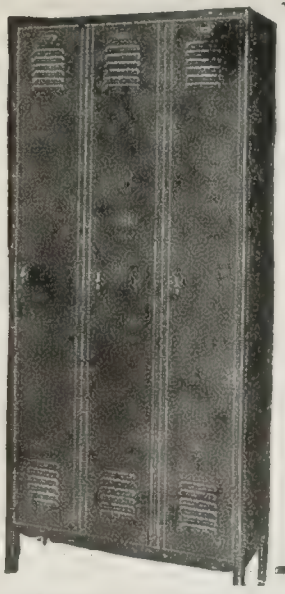
Darby Edw. & Sons Co., 412 N 18th, Phila. Pa.
Ohio Sheet Metal Co., Canton, O.
Hart & Hutchinson Co. ("H. & H."), New Britain, Conn.
Hauserman E. F. Co., Fenestra bldg, Cleveland, O.



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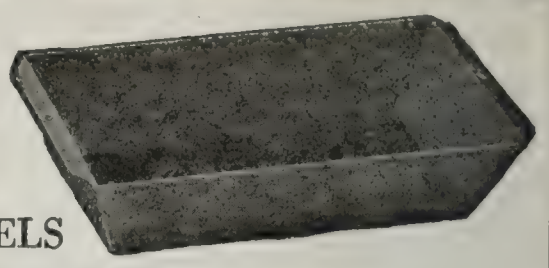

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Highton Wm. & Sons Co., Nashua, N. H.
Princess Wash Machine Co., 433 E Parl, Cincinnati, O.
Sargent & Greenleaf, Inc., Rochester, New York *See adv index at end of book*
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### Locks (Barn Door)

See Locks & Latches, Sliding Door

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Fraim E. T. Lock Co., Lancaster, Pa.
Huber Mfg. Co., 417 E 93d, New York
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King Lock Co., 319 W Ohio, Chicago, Ill.
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National Lock Co., Rockford, Ill.
Penn Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, New York *See adv index at end of book*
Slaymaker Lock Co., Lancaster Pa.
Yale Mfg. Co., 2056 E 4th, Cleveland, O.
Yale & Towne Mfg. Co. ("Yale"), also Time, Deal & Safe Locks, Stamford, Conn.

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See also Locks, Pad

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Detroit Ship Building Co. (Brass Dept.), ft. Orleans, Detroit, Mich.
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Federal Signal Co. (Electric Switch), Albany, N. Y.
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Loeffelholz Co., Milwaukee, Wis.
Miller Lock Co., 4519 Tacony, Phila., Pa.
National Malleable Castings Co. (Car Coupler), 7706 Platt, S E, Cleveland, Ohio
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Romer & Co. (Inc.), 275 Passaic, Newark, N. J.
Russell & Erwin Mfg. Co. (Car Door Only), New Britain, Conn.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sargent & Co., New Haven, Conn.
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.
Zelnicker Walter A. Supply Co. ("Zelnicker"), 325 Locust, St. Louis, Mo. *See adv index at end of book*

## Locks (Chest)

See Locks, Cabinet

## 7537— Locks (Cigar Box)

Eagle Lock Co., Terryville, Conn.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## Locks (Clothes Locker)

See Locks, Locker

## Locks (Cupboard)

See Locks, Cabinet

## Locks (Cylinder)

See Locks, Cabinet

## Locks (Desk)

See Locks, Cabinet

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Huebel Mfg. Co., 103 Monroe, Newark, N. J.
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See Locks, Cabinet

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See also Elevator Safety Locks

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Sargent & Greenleaf, Rochester, N. Y. *See adv index at end of book*

## 7540—Locks (Emergency Exit Door)

Bolles Wm. B., P. O. Box 600 M, Milwaukee, Wis. *See adv index at end of book*
Clark H. Elmer & Bros. ("Clark's"), Brighton, Rochester, N. Y.
Vonnegut Hardware Co. ("Von Duprin"), 120 E Washington, Indianapolis, Ind.

## 7541-2— Locks (Hasp)

Allith-Prouty Co. ("Prouty"), Danville, Ill.
Slaymaker Lock Co., Lancaster, Pa.

## Locks (Jail)

See Locks & Locking Devices, Prison Cell

## Locks (Jewel Case)

See Locks, Cabinet

## 7543-4— Locks (Keyless)

American Keyless Lock Co. ("No-Key" Padlock), 619 W Jackson, Chicago, Ill.
Keyless Lock Co., Indianapolis, Ind.
Miller J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Miller Lock Co., 4523 Tacony, Phila., Pa.

## 7545— Locks (Lamp)

(For Locking Incandescent Lamps in Socket)

**GENERAL ELECTRIC CO.** (Locking Socket), Schenectady, N. Y. *See adv index at end of book*
McGill Mfg. Co. ("Protector," "O"), 77 Oak, Valparaiso, Ind. *See adv index at end of book*

## 7546—Locks (Lavatory or Toilet)

Venn-Severin Machine Co. ("Coin-Key" Coin Operated), 1317 W North, Chicago, Ill.

## 7547— Locks (Locker)

Corbin Cabinet Lock Co., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Medart Fred Mfg. Co., DeKalb & Potomac, St. Louis, Mo. *See adv index at end of book*
Miller J. B. Keyless Lock Co., Kent, O.
**Miller Lock Co., 4523 Tacony, Phila., Pa.**
Sargent & Greenleaf, Inc., Rochester, N. Y. *See adv index at end of book*
Slaymaker Lock Co., Lancaster, Pa.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 7548— Locks (Net)

Speare's Alden Sons Co. ("Yates" for Laundries), Cambridge, Mass.

## Locks (Night Latches)

See Latches, Night

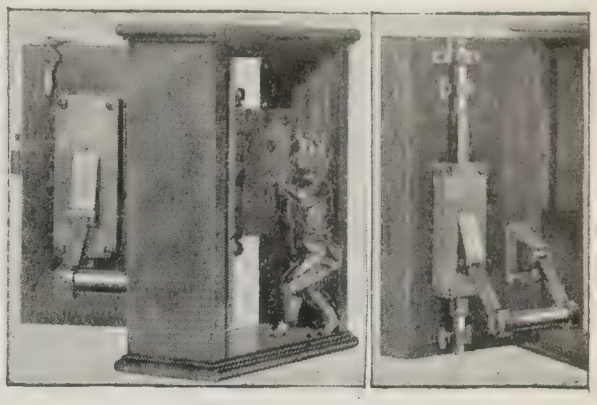
## Locks (Oar)

See Row-Locks

## 7549-50— Locks (Padlock)

American Keyless Lock Co. ("No-Key" Keyless), 619 W Jackson, Chicago, Ill.
Ames Sword Co. ("Perfection"), Chicopee, Mass.


**"Bolles Hardware Approved"**



**(Entrance-Door-Lock) (Exit-Door-Fastening)**
**Patents applied for**

ENTRANCE-DOOR-LOCKS standardized with splendid, legal, (PUSH-PULL) grip-bar of brass, E-Z Latch with hold-back feature and anti-picking attachment, also operated by key and cylinder, sanded-antique-brass finish, a brass grip, screws, door check and two strong buttsat $50.00.

EXIT-DOOR-FASTENERS with brass grip-bar, rods, screws and two butts at $20.00.

TERMS: Net cash, F.O.B., Milwaukee, Wisconsin.

Equipment possesses the elegance of simplicity, solid quality and workmanlike finish which are so essential in developing unusual beauty and dignity.

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Bohannan Wilson, 760 Lexington av, Brooklyn, N. Y.
Chapman W. H. Co., Middletown, Conn.
Climax Co., 275 Passaic, Newark, N. J.
Corbin Cabinet Lock Co. (Wrought & Cast), New Britain, Conn.
Dayton Mfg. Co., Dayton, Ohio
Deitz Alonzo E. (Bronze Metal), 73 Clymer, Brooklyn, N. Y.
Detroit Shipbuilding Co. (Brass Dept.), ft. Orleans, Detroit, Mich.
Eagle Lock Co., Terryville, Conn.
Edwards O. M. Co. (Brass & Steel), Syracuse, N. Y.
Excelsior Lock & Hardware Co., Lancaster, Pa.
Excelsior Plating Co. ("Secure"), Lancaster, Pa.
Ford Pulley & Hardware Co., Inc., 404 4th av, New York. *See adv index at end of book*
Fraim E. T. Lock Co., Lancaster, Pa.
Gibson & Kirk Co., 217 Key Highway, Baltimore, Md.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.
Junkunc Bros., 1145 W Garfield, Chicago, Ill.
King Lock Co., 319 W Ohio, Chicago, Ill.
**Miller J. B. Keyless Lock Co., Kent, O.**
**Miller J. Walter Co., Lancaster, Pa.**
Miller Lock Co., 4523 Tacony, Phila., Pa.
Pawles Jas. D. Co., 74 Pearl, Boston, Mass.
**Penn Lock Works, 126 N 4th, Phila., Pa.**
**Romer & Co., 275 Passaic, Newark, N. J.**
**Russell & Erwin Mfg. Co., New Britain, Conn.**
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co. ("Elm City," "Aero," "Record," "Argos," "Big Bill," "Six Lever," "Pequot," "Bull Dog," "R. F. D."), New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y. *See adv index at end of book*
Shanklin Mfg. Co. (Combination), Springfield, Ill.
Slaymaker Lock Co. ("Arco," "Ark," "Box," "Blue Seal," "Conoy," "Caput," "Curfew," "Eclipse," "Emu," "Flag," "Greek," "Interlocking," "Motor," "Ne Plus Ultra," "Napoleon," "Old Oak," "Oak," "Penn," "Panama," "Rex," "Rover," "Rustless," "Secure Levers," "Six Levers," "Special," "Spring Tumbler," "S. R. S.," "Standard," "Tiny," "U. S.," "X. M. P. L. R.," "X. L. N. T.," "X. Y. Z.," "X. L.," "York," "Slaymaker," "Climax," "R. F. D.," "I. X. L.," "Steel State," "Mail," "Imperial," "Sprocket," "Crank," "Bell," "Air King," "Pioneer," "Guard," "Raven"), Lancaster, Pa.

LOCKS (PADLOCK)—continued

Smith & Egge Mfg. Co. ("Giant"), Bridgeport, Conn.
Star Lock Works, 110 S 8th, Phila., Pa.
**Union Hardware Co. ("Scandinavian"), Torrington, Conn.**
United Lock & Hardware Co. ("Army," "Giant," "Globe," "Hart," "Hex," "Jupiter," "King," "Mars," "Monarch," "Saturn," "Samson," "Star," "Winall," 'Sun," Moon"), Columbia, Pa.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 7551—Locks (Piano & Sewing Machine)

Eagle Lock Co., Terryville, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

## Locks (Pin Tumbler)

See Locks, Cabinet

## 7552— Locks (Pole)

Cutter Geo. Co., South Bend, Ind.
**Line Material Co., So. Milwaukee, Wis.**

## 7553—Locks (Post Office Box)

Eagle Lock Co., Terryville, Conn.
**Federal Equipment Co., Carlisle, Pa.**
Sargent & Greenleaf, Inc., Rochester, N. Y.
*See adv index at end of book*

## 7554—Locks (Railway Signaling)

Fraim E. T. Lock Co. ("Fraim" Signal Service), Lancaster, Pa.
**General Railway Signal Co. (Time, Outlying Switch), Rochester, N. Y.**

## 7555— Locks (Refrigerator)

**Brainerd Mfg. Co., East Rochester, N. Y.**
**DENT HARDWARE CO.,** Fullerton, Pa.
Greene, Tweed & Co., 109 Duane, New York
Nat'l Refrigerators Co., 827 Koeln av, St. Louis, Mo.
Safe Padlock & Hardware Co., Lancaster, Pa.
**Tiebout W. & J., 118 Chambers, New York**

## 7556— Locks (Safe Deposit)

Bates L. L. & Co. (Safe), 150 Portland, Boston, Mass.
**Deitz Alonzo E. (Vault, Safety Deposit & Inside Safe), 73 Clymer, Brooklyn, N. Y.**
**DIEBOLD SAFE & LOCK CO.,** Canton, O.
*See adv index at end of book*
Eagle Lock Co., Terryville, Conn.
**HALL'S SAFE CO.,** P. O. Box 846, Cincinnati, O. *See adv index at end of book*
Laughlin Thos. Co. (Brass & Bronze Ship), Portland, Maine.
Sargent & Greenleaf, Inc., Rochester, N. Y.
*See adv index at end of book*
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 7557— Locks (Sash)

**Ajax Hardware Mfg. Co., 1100 Military rd, Buffalo, N. Y.**
**Allith-Prouty Co. ("Prouty"), Danville, Ill.**
B. L. P. Sales Co. ("Burg-La-Proof"), Automatic, Charlestown, Mass.
**Bradley & Farnham, Middlefield, Conn.**
**Brohard Co. (Stamped Steel), 3d & Lehigh, Phila., Pa.**
**Caldwell Mfg. Co., ("Empire") Rochester, N. Y.**
Champion Hardware Co. ("Champion," "Side," "Monitor," "Never Break," & "Wrought"), Geneva, O.
Chantrell Hardware & Tool Co., Reading, Pa.
**Corbin P. & F., New Britain, Conn.**
**Creamer W. G. & Co. (Railway Car), 96 John, New York**
**Dayton Mfg. Co. ("Ardee," Sash Lock & Anti-Rattler, for Car Windows, etc), Dayton, O.**
Eagle Lock Co. (Sliding, Sash, etc), Terryville, Conn.
Edwards O. M. Co., Inc. (For Car Windows), Syracuse, N. Y.
Ellis Mfg. Co. ("Sampson"), Milldale, Conn.
Enterprise Hardware Mfg. Co., Frederick, Md.
Fitch W. & E. T. Co. ("Star"), New Haven, Conn.
Gardner Sash Pulley Co. (Steel), 15 N Jefferson, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Howard Jas. L. & Co. (For R. R. Cars), Hartford, Conn.
Ives H. B. Co., New Haven, Conn.
Lawrence Bros., Sterling, Ill.
Lockwood Mfg. Co., South Norwalk, Conn.
McCord Mfg. Co. ("Universal" for Car Windows), 2587 E Grand blvd, Detroit, Mich.
National Lock Washer Co., 65 Johnson, Newark, N. J.
National Mfg. Co. (All Steel or Solid Brass), **Sterling, Ill.**
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sager Lock Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Schroeder Bros., 902 Payne av, St. Paul, Minn.
Sharon Hardware Mfg. Co. ("Sharon" All Steel), Sharon, Pa.
**Shelby Spring Hinge Co. ("Shelby" Steel & Brass or Bronze, Polished), Shelby, Ohio**
Smith Frank F., Hardware Co. ("Kantpick," & "Smith's" Adjustable), 81 Clay, Newark, N. J.
**Standard Mfg. Co., Shelby, O.**
**Taylor & Boggis Foundry Co., Cleveland, Ohio**
Technology Sales Co., Inc., 27 Thames, New York
**WESTLUND C. G. CO.** ("Westlund Window"), 498 Millbury, Worcester, Mass.

## 7558—Locks (Sash, Fireproof)

**Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.**

## 7559—Locks (Sash, Ventilating)

Bradley & Farnham ("Ellis"), Middlefield, Conn.
Brohard Co. ("Brohard"), 3rd & Lehigh, Phila., Pa.
Burgess & Norton Mfg. Co. ("Bur-Nor," "Security"), Geneva, Ill.
**Climax Lock & Ventilator Co. ("Climax" & "Simplex" Automatic Ventilating), 656 Michigan av, Buffalo, N. Y.**
**Harley Burglar Proof Ventilating Sash Lock Mfg. Co., 3341 Ogden av, Chicago, Ill.**
Ives H. B. Co., New Haven, Conn.
**Lawson Mfg. Co. ("Matchless" Automatic Burglar Proof), 230 W Superior, Chicago, Ill.**
National Mfg. Co. (Ventilating Window Lock), Sterling, Ill.
National Mechanical Corp. ("Benjamin"), 125 S Racene, Chicago, Ill.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Racine Metal Stamping Co. ("Racine," Automatic Lock), Racine, Wis.
Technology Sales Co., Inc., ("Ventilator"), 27 Thames, New York
Wolverine Supply & Mfg. Co. ("Wolverine"), Page & Fontella, Pittsburgh, Pa.

## Locks (Sliding Door)

See Locks & Latches, Sliding Door

## 7560— Locks (Slot Machine)

Miller J. B. Keyless Lock Co. ("J. B. Miller's" Keyless), Kent, O.
Sargent & Greenleaf, Inc., Rochester, N. Y.
*See adv index at end of book*

## 7561— Locks (Stall Door)

Sargent & Greenleaf, Inc., Rochester, N. Y.
*See adv index at end of book*
**Western Brass Mfg. Works, Marshall blvd, & W 21 st, Chicago, Ill.**

## Locks (Store Door)

**See Locks & Knobs, Door, House, etc.**

## 7562-3— Locks (Time)

Barnes Safe & Lock Co., 941 Liberty av, Pittsburgh, Pa.
Chicago Time Lock Co., 2765 St. Marys, Chicago, Ill.
Consolidated Time Lock Co., 2268 Spring Grove, Cincinnati, O.
*See adv index at end of book*
**Diebold Safe & Lock Co., Canton, O.**
*See adv index at end of book*
**HALL'S SAFE CO.,** P. O. Box 846, Cincinnati, O. *See adv index at end of book*
**Mosler Safe Co., Hamilton, O.**
**Phelps Guardant Time Lock Co. (For Time Service), 114 Liberty, New York**
**SARGENT & GREENLEAF, INC.,** Rochester, N. Y. *See adv index at end of book.*
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 7564—Locks (Trunk & Suit Case)

**American Brass Novelty Co., Grand Haven, Mich.**
**Corbin Cabinet Lock Co., New Britain, Conn.**
**Eagle Lock Co., Terryville, Conn.**
**Excelsior Hardware Co., Stamford, Conn.**
**Riley, Klotz Mfg. Co., 17 Mulberry, Newark, N. J.**
**Star Lock Works, 110 S 8th, Phila., Pa.**
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## Locks (Ventilating, Window)

See Locks, Sash, Ventilating

## Locks (Wardrobe)

See Locks, Cabinet

## 7565—Locks & Catches (Casket)

Eagle Lock Co., Terryville, Conn.

## 7566—Locks & Knobs (Door, House, Etc.)

See also Hardware Manufacturers

Barrows Lock Co., Lockport, Ill.
**Bohannan, Wilson, 760 Lex. av, Brooklyn, N. Y.**
**Bolles Wm. B., P. O. Box 600 M, Milwaukee, Wis.**
*See adv index at end of book*
Brass Goods Mfg. Co. (Refrigerators), 345 Eldert, Brooklyn, N. Y.
**Champion Hardware Co., (Locks only), Geneva, O.**
Chantrell Hardware & Tool Co., Reading, Pa.
Clark, H. Elmer & Bros. ("Clark's" Emergency Exit Door Lock), (Brighton), Rochester, N. Y.
**Climax Co., 275 Passaic, Newark, N. J.**
Columbia Machine Works & Malleable Iron Co. (Door Handles), Atlantic av & Chestnut, Brooklyn, N. Y.
Corbin P. & F., New Britain, Conn.
**Dayton Mfg. Co., Dayton, O.**
**Deitz Alonzo E. (Drawer, Store Door, Padlock, etc.), 73 Clymer, Brooklyn, N. Y.**
Ford Pulley & H'dwe Co. (Inc.), 404 4th av, New York.
Gibson & Kirk Co., 217 Key Highway, Baltimore, Md.
Hall Wm. Co. (Glass Door Knobs), Quincy, Mass.
Howard Jas. L. & Co. (Car Door), Hartford, Conn.
**Huebel Mfg. Co., 103 Monroe, Newark, N. J.**
Kell Francis & Son, 401 E 163d, New York
Lockwood Mfg. Co., S. Norwalk, Conn.
New England Lock & Hinge Co., Winchendon, Mass.
Nock G. W. Co., 126 N 4th, Phila., Pa.
Norwalk Lock Co., South Norwalk, Conn.
Ochsner A. & Son (Automobile & Carriage), New Haven, Conn.
**PECK, STOW & WILCOX CO.,** 2172-2232 W 3rd, Cleveland, O.
*See adv index at end of book*
Penn Hardware Co. (Cylinder Dead Knob), Reading, Pa.
Phoenix Lock Works, 3rd av, Newark, N. J.
Reading Hardware Co. ("Reading"), Reading, Pa.
Conn.
Romer & Co., 275 Passaic, Newark, N. J.

Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf Co., Inc. (House Locks Only), Rochester, N. Y.
*See adv index at end of book*
Schroder J. B. & Co. (Also for Asylums, Hotels, etc), 133 E 5th, Cincinnati, O.
Segal Lock & Hardware Co., Inc., 155 Leonard, New York
Shelby Spring Hinge Co., Shelby, O.
Skillman Hdwe Mfg. Co., Trenton, N. J.
Star Lock Works, 110 S 8th, Phila., Pa.
Taylor & Boggis Foundry Co., Cleveland, O.
Thomas T. & Co., 144 Mulberry, Newark, N. J.
Woodruff W. W. & Sons Co. (Carriage Door), Mount Carmel, Conn.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 7567—Locks & Latches (Sliding Door)

Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.
Brewer Bros. Co., 2nd & Somerset, Phila., Pa.
Chantrell Hardware & Tool Co. ("Chantrell"), Reading, Pa.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin P. & F., New Britain, Conn.
Dayton Mfg. Co., Dayton, O.
Lane Bros. Co. (Latches Only), Poughkeepsie, N. Y.
National Mfg. Co. ("Washburne" Latches for Sliding or Swinging Doors), Sterling Ill.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co ("Richards-Wilcox"), Aurora, Ill.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Sargent & Greenleaf, Inc., Rochester, N. Y.
*See adv index at end of book*
Schroder J. B. & Co., 133 E 5th, Cincinnati, Ohio
Skillman Hdwe Mfg. Co., Trenton, N. J.
Stearns E. C. & Co. (For Sliding Door) 450 Oneida, Syracuse, N. Y.
Stowell Co. The (For Elevator Doors, etc.) So. Milwaukee, Wis.
Taylor & Boggis Foundry Co., Cleveland, O.
Wagner Mfg. Co. ("Wagner," Latches). Cedar Falls, Ia.
Western Brass Mfg. Works (Iron Japanned & Brass), Marshall blvd & W 21st, Chicago, Ill.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 7568-9-70—Locks & Locking Devices (Prison Cell)

Climax Co., 275 Passaic, Newark, N. J.
Ham L. M. Co., 158 Portland, Boston, Mass.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Pauly Jail Building Co., 2215 De Kalb, St. Louis, Mo.
ST. PAUL FOUNDRY CO., Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
SARGENT & GREENLEAF, INC., Rochester, N. Y. *See adv index at end of book*
Schroder J. B. & Co., 133 E 5th, Cincinnati, O.
Stewart Iron Works Co., Covington, Ky.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 7571—Locomotive Bell Ringers

Hammett H. G. ("Trojan" Air), Troy, N. Y.
Heginbottom S. H. & Sons (Automatic), Saginaw, Mich.
HOLMES ROBT. & BROS. (Air & Steam), Danville, Ill.
*See adv index at end of book*
Smedley Locomotive Bell Ringers Pump Co. (Automatic), Dubuque, Iowa
United States Metallic Packing Co. (The Gollmar), 221 N 13th, Phila., Pa.
Vissering Harry & Co., 14 E Jackson blvd, Chicago, Ill.
Western Railway Equipment Co. ("Western," Pneumatic), Central Natl. Bank bldg, St. Louis, Mo.

## 7572—Locomotive Coaling Stations

See also Coal & Ore Handling Machinery

American Bridge Co., 30 Church, New York
Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
Dempcy-Degener Co., 307 4th av, Pittsburgh, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Howlett Construction Co., Moline, Ill.
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Ogle Construction Co., 332 S Michigan av, Chicago, Ill.
PITTSBURG-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Roberts & Schaefer Co., 332 S Michigan av, Chicago, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

## 7573—Locomotive Fire Boxes

Brennan John Co., 24th & M. C. R. R., Detroit, Mich.

## 7574—Locomotive Fire Kindler

Mac Leod Co., 2227 Bogen, Cincinnati, Ohio
*See adv index at end of book*
Railway Materials Co. ("The Ferguson", Portable), Railway Exch. bldg, Chicago, Ill.

## 7575—Locomotive Guide Liners

STARRETT L. S. CO. (THE), Athol, Mass.
*See adv index at end of book*

## 7576—Locomotive Jacket Iron & Steel

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Falcon Steel Co., Niles, O.
Wood Alan Iron & Steel Co. (A. W." Cold Rolled Steel), Widener bldg., Philadelphia, Pa.
Wood J. & Bros. Co., Conshochocken, Pa.

## 7577— Locomotive Lagging

Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Ehret Magnesia Mfg. Co. (Magnesia), Land Title bldg, Phila, Pa.
Franklin Mfg. Co. (Also Air Pump Cylinder Lagging), Franklin, Pa.
Johns-Manville H. W. Co. ("Magnesia," "Asbestos," "Fire Felt,"), Madison av & 41st, New York
Keasbey & Mattison Co. (Magnesia & Asbestos), Ambler, Pa.
Watson H. F. Co., Erie, Pa.

## 7578— Locomotive Netting

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Cleveland Wire Cloth & Mfg. Co., 3574 E 78th, Cleveland, O.
*See adv index at end of book*
MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich.
*See adv index at end of book*
TYLER W. S. CO., Cleveland, O.
*See adv index at end of book*

## 7579—*Locomotive Oil Cups

See also Lubricators Oil & Grease Cup

Am. Safety Lamp & Mine Supply Co., Scranton, Pa.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 7580— Locomotive Sanders

See also Boxes, Sand

American Safety Lamp & Mine Supply Co., ("Gapp" & "Ames") Scranton, Pa.
Holden & White, Fisher bldg, Chicago, Ill.
Nathan Mfg. Co. (Steam Apparatus), 416 E 106th, New York
Newark Air Sand Box Co. ("De France"), Newark, O.
Railway & Traction Supply Co. ("Wyoming" Vacuum), 79 W Monroe, Chicago, Ill.
Sault Mfg. Co. ("Worcester" Compressed Air for Electric Railways), Worcester, Mass.
United States Metallic Packing Co. ("Leach," "Shee," "Sherbourne"), 221 N 13th, Philadelphia, Pa.
White-American Locomotive Sander Co., Roanoke, Va.

## 7581— Locomotive Stokers

Burke Furnace Co., 320 E Water, Chicago, Ill.
Coal Stoker Corp., 1029 N Clark, Chicago, Ill.
Flynn & Emrich Co. (Hand), 305 N Halliday, Baltimore, Md.
Locomotive Stoker Co. ("Street"), 30 General Robinson, Pittsburgh, Pa.
Standard Stoker Co., Grand Central Terminal, New York

## 7582— Locomotive Tiles

American Fire Brick Co., Spokane, Wash.
Ashland Fire Brick Co. (Solid & Sectional), Ashland, Ky.
Buckeye Fireclay Co., Uhrichsville, O.
Chicago Retort & Fire Brick Co., Ottawa, Ill.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Fire Clay Co., Denver, Colo.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Fulton Fire Brick Co., Fulton, Mo.
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Garfield Fire Clay Co., Robinson, Pa.
Harbison-Walker Refractories Co. (All Types of Locomotive Fire Brick). Farmers' Bank bldg, Pittsburgh, Pa.
Kier Fire Brick Co., Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Laclede-Christy Clay Products Co. (Arch), Railway Ex. bldg, St. Louis, Mo.
Louisville Fire Brick Works, Louisville, Ky.
Maurer Henry & Son, 420 E 23d, New York
Mutton Hollow Fire Brick Co., Woodbridge, N. J.
Ostrander Fire Brick Co., Troy, N. Y.
Parker-Russell Mining & Mfg. Co., Laclede Gas Light bldg, St. Louis, Mo.
Portsmouth Refractories Co., Portsmouth, O.
Remmey Richard C. Son Co., Hedley & Del, Phila., Pa.
St. Louis Vitrified & Fire Brick Co., Wainwright bldg, St. Louis, Mo.
Stevens H. Sons Co., Macon, Ga.
Walsh Fire Clay Products Co., 4070 N Main, St. Louis, Mo.
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.

## Locomotive Valve Gear

See Gear, Locomotive Valve

## 7583— *Locomotives

(See also Scientific Headings following)

BURTON ENGINEERING & MACHINERY CO. ("Burton" Gasoline & Kerosene), Spring Grove & Alabama avs, Cincinnati, O. *See adv index at end of book*

## 7584—Locomotives (Alcohol)

Milwaukee Locomotive Mfg. Co., Ft. Belleview pl, Milwaukee, Wis.

## 7585—Locomotives (Compressed Air)

Porter H. K. Co., Union Bank bldg, Pittsburgh, Pa.
Vulcan Iron Works, ("Vulcan") Wilkes-Barre, Pa.

## Locomotives (Contractors')

See Locomotives, Industrial & Mine

## Locomotives (Dirt Road)

See Engines, Traction, Various Kinds

## 7586—Locomotives (Electric)

American Locomotive Co., 30 Church, New York
Atlas Car & Mfg. Co. (Direct & Alternating Current), Cleveland, O.
*See adv index at end of book*

LOCOMOTIVES (ELECTRIC)—continued

Baldwin Locomotive Works, Broad & Spring Garden, Phila., Pa.
Bell Locomotive Works Co., 23 Water, New York
Brill J. G. Co., 62nd & Woodland av, Phila., Pa.
Davis C. K. Mfg. Co. (Storage Battery), Detroit, Mich.
Electric Car & Locomotive Corp., 165 B'way, New York.
Electric Carrier Co., 165 B'way, New York
**GENERAL ELECTRIC CO.,** Schenectady, New York *See adv index at end of book*
Goodman Mfg. Co., Halstead & 48 Pl, Chicago, Ill.
**HUNT C. W. CO.,** West New Brighton, N. Y. *See adv index at end of book*
Ironton Engine Co., Ironton, O.
**JEFFREY MFG. CO.** (Industrial, Mine, etc), 961 N Fourth, Columbus, O. *See adv index at end of book*
Lakewood Engineering Co. (Trolley or Battery), Cleveland, O. *See adv index at end of book*
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
Mead-Morrison Mfg. Co., Prescott & Orleans, Boston, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*

## 7587—Locomotives (Electric Industrial & Mine)

Atlas Car & Mfg. Co. (Electric), Cleveland, O. *See adv index at end of book*
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
**HUNT C. W. CO.,** West New Brighton, New York *See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*

## 7588—Locomotives (Electric, Mine Haulage)

American Locomotive Co., 30 Church, New York
**ATLAS CAR & MFG. CO.,** Cleveland, O. *See adv index at end of book*
Baldwin Locomotive Works, Broad & Spring Garden, Phila., Pa.
Bell Locomotive Works Co., 23 Water, New York
Davis C. K. Mfg. Co., Detroit, Mich.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Duquesne Electric & Mfg. Co., Bessemer bldg., Pittsburgh, Pa. *See adv index at end of book*
Goodman Mfg. Co., Halsted & 48th pl, Chicago, Ill.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
Morgan-Gardner Electric Co., 27th & Shields av., Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*

## 7589-90—Locomotives (Gasoline)

**AMERICAN CLAY MACHINERY CO.,** So. Walnut, Bucyrus, O. *See adv index at end of book*


Gasoline Locomotives

Convenient—Cheap

The American Clay Machinery Co.

**Bucyrus, O., U. S. A.**


**AUSTIN MACHINERY CORP.,** Railway Exchange bldg, Chicago, Ill. *See adv index at end of book*
Baldwin Locomotive Works, Broad & Spring Garden, Phila., Pa.
Bell Locomotive Works Co., 23 Water, New York
**BURTON ENGINEERING & MACHINERY CO.,** ("Burton Gasoline & Kerosene), Spring Grove & Alabama avs, Cincinnati, O. *See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
Fate-Root-Heath Co. ("Plymouth"), Plymouth, O.
**Milwaukee Locomotive Mfg. Co., Ft. Belleview pl, Milwaukee, Wis.**
Vulcan Iron Works, Wilkes-Barre, Pa.
Whitcomb Geo. D. Co. (For Mines), Rochelle, Ill.

## 7591—Locomotives (Geared)

Bell Locomotive Works Co., 23 Water, New York
Climax Mfg. Co. ("Climax"), Corry, Pa.
Davenport Locomotive Works, Davenport, Ia.
Heisler Locomotive Works, Erie, Pa.
Lima Locomotive Corp. ("Shay" Geared), 106 3rd av, Lima, O.
Luther Frederick P. Co., 14 E Jackson blvd., Chicago, Ill.

## 7592—Locomotives (Industrial & Mine)

See also, Locomotives, Electric Mine Haulage
American Locomotive Co., 30 Church, New York
Atlas Car & Mfg. Co. (Electric), Cleveland, O.
Baldwin Locomotive Works, Broad & Spring Garden, Phila., Pa.
Bell Locomotive Works Co., 23 Water, New York
**BROWN & SITES CO.,** 30 Church, New York
**BURTON ENGINEERING & MACHINERY CO.** ("Burton" Gasoline & Kerosene), Spring Grove & Alabama avs, Cincinnati, O. *See adv index at end of book*
Davenport Locomotive Works, Davenport, Ia.
Davis C. K. Mfg. Co. (Storage Battery), Detroit, Mich.
Dewey Bros., Goldsboro, N. C.
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
**GREEN L. A.** (Dealer), First Nat'l Bank bldg, Pittsburgh, Pa.
Glover Machine Works, Marietta, Ga.
Hunt C. W. Co., West New Brighton, New York *See adv index at end of book*
**JEFFREY MFG. CO., (Electric), 961 N. Fourth, Columbus, O.** *See adv index at end of book*
Lima Locomotive Corp. ("Shay"), 106 3d, Lima, O.
**MACHINERY SALES CO.,** Old Colony bldg, Chicago, Ill. *See adv index at end of book*
Milwaukee Locomotive Mfg. Co. (Gasoline Mine Haulage), Ft. Belleview pl, Milwaukee, Wis.
Porter H. K. Co. (Steam & Pneumatic, Union Bank bldg, Pittsburgh, Pa.
Vulcan Iron Works, Wilkes-Barre, Pa.
Whitcomb Geo. D. Co. (Gasoline Mine), Rochelle, Ill.

## 7593—Locomotives (Logging)

American Locomotive Co., 30 Church, New York
Baldwin Locomotive Works, Broad & Spring Garden, Phila., Pa.
Bell Locomotive Works Co., 23 Water, New York
**BURTON ENGINEERING & MACHINERY CO.** ("Burton" Gasoline & Kerosene), Spring Grove & Alabama avs, Cincinnati, O. *See adv index at end of book*
Climax Mfg. Co. (Tramway), Corry, Pa.
Davenport Locomotive Works, Davenport, Ia.
Heisler Locomotive Works, Erie, Pa.
Lima Locomotive Corp. ("Shay" Geared & Direct Connected), 106 3rd, Lima, Ohio
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
Phoenix Mfg. Co., Eau Claire, Wis.
**Porter H. K. Co., Union Bank bldg, Pittsburgh, Pa.**

## 7594—Locomotives (Oil Burning)

American Locomotive Co., 30 Church, New York
Baldwin Locomotive Works, Broad & Spring Garden, Phila., Pa.
Bell Locomotive Works Co., 23 Water, New York
**BURTON ENGINEERING & MACHINERY CO.** ("Burton" Gasoline & Kerosene), Spring Grove & Alabama avs, Cincinnati, O. *See adv index at end of book*
Davenport Locomotive Works, Davenport, Ia.
Lima Locomotive Corp., 106 3d, Lima, O.
**Porter H. K. Co., Union Bank bldg, Pittsburgh, Pa.**

## Locomotives (Pneumatic)

See Locomotives, Compressed Air


THE BURTON GASOLINE LOCOMOTIVE

SIZES:—3½ Tons to 12 Tons

*Eliminates:*

All Complicated Parts All Gears Differential Clutches Licensed Engineer All Trouble

*Advantages:*

Simplest in Construction and Operation. Any Speed, forward or backward, equal power in both directions. All parts accessible for cleaning and adjusting. Low cost of up-keep and operation.

**COMPLETE SPECIFICATIONS AND PRICES ON REQUEST**

Our Engineering Department is at your service, and if you let us know your requirements, we will gladly furnish estimates covering cost of Locomotives, Cars, Track Equipments, etc.

Gasoline and Kerosene Locomotives *Made for Any Gauge Track*

THE BURTON ENGINEERING & MACHINERY COMPANY, Spring Grove and Alabama Aves.
CINCINNATI, OHIO

This is type "A" Storage Battery Locomotive. Simple rugged economical accessible it embodies numerous distinctive advantages. Used extensively in Industrial plants.

# ATLAS
## Industrial Haulage Equipment

The numerous practical advantages of Atlas Equipment are the result of a thorough understanding of the requirements to be met and the service to be encountered. Atlas equipment is all that good haulage equipment should be.

This Rocker Side Dump Car is a typical Atlas Car It is ruggedly built thruout has low sides to permit easy loading. Like all Atlas equipment this car is built to stand severe strain

**THE ATLAS CAR AND MANUFACTURING COMPANY**
ENGINEERS CLEVELAND, OHIO MANUFACTURERS


### 7595—Locomotives (Rebuilt)

Baldwin Locomotive Works (Repaired for Owners Only), Broad & Spring Garden, Phila. Pa.
Birmingham Rail & Locomotive Co., Birmingham, Ala.
Dilley Geo. E. & Son, Palestine, Texas
Dunkle Arthur J. Co., 50 Church, New York
Georgia Car & Locomotive Co., Atlanta, Ga.
Grant Locomotive & Car Works, Houston, Tex.
**HOISTING MACHINERY CO.,** 50 Church, New York *See adv index at end of book*
**KLEINHAUS H. CO.** (Steam), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Meyer Henry H. Co., 110 S Howard, Baltimore, Md. *See adv index at end of book*
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Raleigh Iron Works Co., Raleigh, N. C.
Rothfuss-Howard Iron Works, Williamsport, Pa.
**SOUTHERN IRON & EQUIPMENT CO.,** Atlanta, Ga.
Union Iron Works Co., Selma, Ala.
Warner P. B., Culloms Station, Sedamsville, Cincinnati, O.

### Locomotives (Second Hand)

See Railroad Equipments, Second-Hand

### 7596—Locomotives (Steam Railroad)

American Locomotive Co., 30 Church, New York
Baldwin Locomotive Works, Broad & Spring Garden, Phila., Pa.
Bell Locomotive Works Co., 23 Water, New York
Easton Car & Construction Co. (Narrow Gauge), 198 Fulton, New York
*See adv index at end of book*
Lima Locomotive Corp., 106 3rd, Lima, O.
Porter H. K. Co., Union Bank bldg, Pittsburgh, Pa.

### 7597—Locomotives (Storage Battery)

**ATLAS CAR & MFG. CO.,** Cleveland, O.
*See adv index at end of book*
Baldwin Locomotive Works, Broad & Spring Garden, Phila., Pa.
Bell Locomotive Works Co., 23 Water, New York
Davis C. K. Mfg. Co., Detroit, Mich.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**GENERAL ELECTRIC CO., Schenectady, N. Y.** *See adv index at end of book*
**Hunt C. W. Co., West New Brighton, N. Y.** *See adv index at end of book*
Industrial Truck Co., Holyoke, Mass.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*


LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO U.S.A.


New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York

### 7598—Locomotives & Railways (Miniature)

**Ingersoll Construction Co., 324 4th av,** Pittsburgh, Pa.
Ives Mfg. Corp. (Toy), Bridgeport, Conn.
McGarigle Machine Co., Niagara Falls, N. Y.
Mangels Wm. F. Co. (Third Rail), 2863 West 8th Brooklyn, N. Y.
Morris E. Joy, 902 Walnut, Philadelphia, Pa.
Osborn J. K. Mfg. Co., Harrison, N. J.
Thompson L. A., Scenic Railway Co., 220 W 42d, New York
Voltamp Electric Mfg. Co. (Electric), 407 N Paca, Baltimore, Md.

### 7599— Log Hauls

Allis-Chalmers Mfg. Co. (Steam), Milwaukee, Wis.
American Sawmill Machinery Co. ("American" Friction), Hackettstown, N. J.
Bay City Iron Co., Bay City, Mich.
Chain Belt Co., Milwaukee, Wis.
Challoner Co., Oshkosh, Wis.
Diamond Iron Works ("Diamond" Steam & Car Hauls), 2nd & 18th av N, Minneapolis, Minn.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O.
*See adv index at end of book*
Lane Mfg. Co., Montpelier, Vt.
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Mecklenburg Iron Works, Charlotte, N. C.
Memphis Machine Works, Memphis, Tenn.
Parker Surry (Steam), Pinetown, N. C.
Phoenix Mfg. Co., Eau Claire, Wis.
Puget Sound Iron & Steel Works, Tacoma, Wash.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Union Iron Works, Bangor, Me.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*

### 7600—Log Hooks Or Timber Carriers

American Logging Tool Co., Evart, Mich.
Champion Tool & Handle Co., Evart, Mich.
Columbus Handle & Hool Co., Columbus, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Ransome Concrete Machinery Co., Dunellen, N. J.
**Warren Axe & Tool Co., Warren, Pa.**

### 7601— Log Jackers

Garland M. Co., Bay City, Mich.
Lane Mfg. Co., Montpelier, Vt.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Phoenix Mfg. Co., Eau Claire, Wis.

### 7602— Log Turners

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Sawmill Machinery Co. ("American"), Hackettstown, N. J.
Challoner Co. ("Simonson"), Oshkosh, Wis.
Edwards Mfg. Co. ("Duplex"), Laceyville, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
Lane Mfg. Co., Montpelier, Vt.
Memphis Machine Works, Memphis, Tenn.
Moltz Jacob J., Williamsport, Pa.
Phoenix Mfg. Co. ("Hills"), Eau Claire, Wis.
Southern Engine & Boiler Works, Jackson, Tenn.
Trumbull Mfg. Co., Warren, O.
Wheland Co., Chattanooga, Tenn.

### 7602a— Logometers

McNab Co. ("McNab" for Propelling Turbine Units, for Single or Twin Screw), Bridgeport, Conn.
*See adv index at end of book*

### 7603— Loggers' Supplies

Barde M. & Sons, Portland, Ore.
Broderick & Bascom Loggers' Supply Co., 623 Western av, Seattle, Wash.
Pacific Car & Fdry Co., Seattle, Wash.

### Logging by Steam

See Cableways, Wire Rope; also Log Hauls; also Engines, Logging

### 7603a— Logs (Engine)

**Cummings Ship Instrument Works ("Cummings") 110 High, Boston, Mass.**

### 7604— Logs (Gas)

Backus Heater & Fdry. Co., Inc. ("Backus"), 63 Canal, Boston, Mass.
Cassel Jacob C., 2347 N 7th, Philadelphia, Pa.
Crane Wm. M. Co. ("Vulcan"), 16 W 32d, New York
Franklin Co., Canton, O.
Galloway Terra Cotta Co. (Terra Cotta), 3216 Walnut, Phila., Pa.
Hansen Otto E., Perth Amboy, N. J.
**JACKSON EDWIN A. & BRO., INC.,** 50 Beekman, New York
*See adv index at end of book*
**Mead Gas Heater Co., Delawanna, N. J.**
Penn Burner & Plating Co. (Inc.), 214 W Ohio, N. S., Pittsburgh, Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
Strait & Richards (Inc.), Irvington, N. J.
Superior Mfg. Co., Magnolia, Pittsburgh, Pa.
Wadsworth-Adelson Browning Co., 2250 Euclid av, Cleveland, O.

### 7605— Logs (Liquor)

**Bryson City Pump Works Co., (Pitch Pine,) Bryson City, N. C.**
Henderson Gilbert W. (Solid Bored), Sheffield, Pa.

## 7606— Logs (Ship)

Bliss John & Co., 128 Front, New York
**Cummings Ship Instrument Works, ("Cummings" Engine), 110 High, Boston, Mass.**
Durkee Chas. D. & Co. (Taffrail), 2 South, New York
Hand John & Sons Co. (Taffrail), 208 Chestnut, Phila., Pa.
Merrill's R. Sons, 66 South, New York
Nautical Instruments Mfg. Co., Inc., 477 West, New York
Negus T. S. & J. D., 140 Water, New York
Nicholson Ship Log & Realty Co., 409 Superior, N. W., Cleveland, O.
Schuette Recording Compass Co., Manitowoc, Wis.

## 7606a— Loofhs

China & Japan Trading Co., 80 Maiden lane, New York
Nagase D. & Co., 120 B'way, New York

## 7607—Loops (Brass, For Top Straps)

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 7608— Loops (Cross Strap)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

## 7609— Loops (Hame)

Frazer & Jones Co. (Inside), Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand" Bottom), New Britain, Conn.
Schartow Mfg. Co., Milwaukee, Wis.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 7610— Loops (Hold-Back)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

## 7611— Loops (Leather)

Monarch Carriage Goods Co ("Buckle"), Cincinnati, O.

## 7611a— *Loose Devices

Newman Mfg. Co., 717 Sycamore, Cincinnati, O. *See adv index at end of book*

## 7612— Loose Leaf Devices

American Loose Leaf Mfg. Co., 121 N Green, Chicago, Ill.
Armstrong H. J. & Co., 538 S Clark, Chicago, Ill.
Baker-Vawter Co. (Ledgers), Benton Harbor, Mich.
Barnard Geo. D & Co., Laclede & Vandeventer, St. Louis, Mo.
Barrett Bindery Co. (Screws & Sleeves) 732 Federal, Chicago, Ill.
Benton Mfg. Co., 9 Bethune, New York
Boorum & Pease Co. ("B. & P. Standard," "Sieber & Trussell"), 109 Leonard, New York
Catalogue Equipment & Supply Co. (Covers), Allston, Boston, Mass.
Central Loose Leaf Co., Benton Harbor, Mich.
Chicago Binder & File Co. (Push Button Lock Binder "Perfect" Self-Indexing Ledger), 117 S Clinton, Chicago, Ill.
Conolly Henry Co. ("Conolly"), Rochester, N. Y.
Coppage Printing & Loose Leaf Co., Inc., 41 Rose, New York
Dahlberg Offissupply Co., Des Moines, Ia.
Dawson Binders Co., 216 N Main, St. Louis, Mo.
Dunbar Ledger & Binder Co., Minneapolis, Minn.
Elbe File & Binder Co., 217 Greene, N. Y.
Electro Sun Co., Inc., 161 Washington, N. Y.
Feldman System Mff. Co., 2308 Armitage av, Chicago, Ill.
Florin Philip, 465 Broome, New York
Gerlach J. H., College Point, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hadley Chas. R. Co., Los Angeles.
Hanson J. L. Co., Photo Albums and Gummed Scrap Book, 552 W Adams, Chicago, Ill.
Heinn Co. (Ledgers), 354 Florida, Milwaukee, Wis.
Hoffman H. H. & Co., 712 Federal, Chicago, Ill.
Hoppinger Co., 118 St Clair av N E, Cleveland, O.
Irving-Pitt Mfg. Co. ("1-P" Ring Binder for Loose Leaf Ledgers, etc), Kansas City, Mo.
Johnston Wm. G. Co., 429 Wood, Pittsburgh, Pa.
Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich.
Lefebure Ledger Co., Cedar Rapids, Ia.
Lloyd Wm. G. Co., 626 S Clark, Chicago, Ill.
Loewenbach B. & Sons Co., 2005 Clybourne, Milwaukee, Wis.
McBee Binder Co. (Binders), Athens, O.
McDonald J. S. Co. (Gravity-Lock Binder), 638 Federal, Chicago, Ill.
McKiernan Geo. F. & Co., 430 S Green, Chicago, Ill.
McMillan Book Co., Syracuse, N. Y.
Mac Gowan & Cooke Printing Co., Chattanooga, Tenn.
Mann Wm. Co., 529 Market, Phila., Pa.
Morden Mfg. Corporation (Metal Parts), Waterbury, Conn.
Moore John C. Corp., Rochester, N. Y.
National Blank Book Co. ("Saxon" Post Binder) Holyoke, Mass.
Nelson Corp. ("Banner"), 326 W Madison, Chicago, Ill.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O. *See adv index at end of book*
Plew & Motter ("Verybest"), 1200 W Monroe, Chicago, Ill.
Proudfit Loose Leaf Co. ("Proudfit"), Grand Rapids, Mich.
Ravenswood Office Specialties Co., 180 Newport av, Chicago, Ill.
Razall H. G. Mfg. Co. (Ledgers), 300 7th av, Milwaukee, Wis.
Richmond & Backus Co. (Ledgers), 111 Woodward av, Detroit, Mich.
Rockhill & Vietor (Loose Leaf Holders), 22 Cliff, New York
Rubel Loose Leaf Mfg. Co., 314 W Superior, Chicago, Ill.
Seavey Co., Portland, Me.
Sheppard C. E. Co., Spring & Hudson, New York
Sherick Harry C., 210 E 4th, Cincinnati, Ohio
Shipman's Asa L. Sons ("Advance"), 100 Chambers, New York
Sieber Products Mfg. Co. (Loose Leaf Binders), 325 Locust, St. Louis, Mo.
Skinner & Kennedy Stationery Co., 416 N 4th, St. Louis, Mo.
Stationers' Loose Leaf Co., Milwaukee, Wis.
Tatum Sam'l C. Co. ("Tatum"), Cincinnati, O.
Tenacity Mfg. Co. (Metal Parts), Reading, Ohio
Tengwall Co., 2954 Sheffield av, Chicago, Ill.
Triple S. Machine Co. (Metal Parts), 1013 Wellington, Chicago, Ill.
Trussell Mfg. Co. (Memo. Books, etc.), Poughkeepsie, N. Y.
Underwood Mfg. Co. (Metal Parts), 717 Sycamore, Cincinnati, O.
Van Buren Bros., 673 W. Madison, Chicago, Ill.
Weil Bros. ("Empire" Ledger), 641 W Lake, Chicago, Ill.
Western Tablet Co. (Binders & Fillers), St. Joseph, Mo.
Wiggins Jno. B. Co., 1104 S Wabash av, Chicago, Ill.
Wilson Jones Loose Leaf Co. ("De Luxe," "Jones Improved"), 3300 Franklin bl, Chicago, Ill.
Wissler A. (Self-Adjustable, Any Size), B'way & Wash av, St. Louis, Mo.

## 7613—Lot Markers (Glazed Clay)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Texas.
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.

## 7614— Louvres

Aspromet Co. (Protected Metal), 1st Nat'l. Bank bldg., Pittsburgh, Pa.
Eagle Brass Foundry Co. (Goods), Seattle, Wash. *See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
**TYLER W. S. CO.,** Cleveland, O. *See adv index at end of book*

## 7615—Lubricants (Automobile,

**See also Lubricating Oils & Greases**

Atlantic Refining Co., 3144 Passyunk av, Phila, Pa
Conewango Refining Co., Warren, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
**TEXAS COMPANY** ("Texaco" Motor Oil, Thuban Cup Grease), 17 Battery pl, New York *See adv index at end of book*
Tidewater Oil Co. ("Veedol"), 11 B'way, New York

## Lubricants (Commutator)

**See Compounds, Commutator**

## Lubricants (Gas Engine)

**See Lubricating Oils & Greases**

## 7616— Lubricants (Gear)

Atlantic Refining Co. (Also Shafting), 3144 Passyunk av, Phila., Pa.
Bayerson Oil Works, Erie, Pa.
Climax Refining Co., Williamson bldg, Cleveland, O.
Dixon Joseph Crucible Co., Jersey City, N. J.
Ironsides Co., Columbus, Ohio
TEXAS COMPANY ("Texaco Crater"), 17 Battery pl, New York *See adv index at end of book*
White & Bagley Co., Worcester, Mass.

## 7617—Lubricants (Graphite)

Acheson Graphite Co. ("Aquadog," "Gredag," "Oildag"), Niagara Falls, N. Y.
Acheson Oildag Co. ("Oildag"), Port Huron, Mich.
American Oil Corp'n ("Advance" Greases), Jackson, Mich.
Cataract Refining & Mfg. Co., Buffalo, N. Y.
Climax Refining Co., Williamson bldg, Cleveland, O.
Dixon Joseph Crucible Co., Jersey City, N. J.
Federal Graphite Mills, 2639 E 79th, Cleveland, O.
Graphoil Lubricating Co. ("Graphoil"), 71 Clymer, Brooklyn, N. Y.
Harris A. W. Oil Co. ("Harris" Graphite Grease), 326 S Water, Providence, R. I.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Invader Oil Co. (Grease), 76 Pearl, New York
Monarch Mfg. Co. ("Graphalene" Graphite, Oil), Council Bluffs, Ia.
Strong, Carlisle & Hammond Co. ("Randall" Sheet), 336 Frankfort av, N W, Cleveland, O.
Swan & Finch Co. ("Niagara") (Oil Soap), 165 B'way, New York
United States Graphite Co., Saginaw, Mich.
Winslow Lubricating Co. ("Graphinoil"), 608 Swan, Buffalo, N. Y.
Wolverine Lubricants Co. of New York ("Wolf's Head"), 44 Whitehall, New York

## 7618— Lubricants (Mica)

Flota Mica Sales Co., Moffat bldg, Detroit, Mich.
United States Mica Mfg. Co. ("Flake" Lubricant), 14 E Jackson blvd, Chicago, Ill.
Warren Lubricant Co., 22 Maurice, Buffalo, N. Y.

## 7619—Lubricants (Roller Bearing)

Royersford Fdry. & Mch. Co. ("Rollerine"), Royerford, Pa.

## 7620—Lubricants (Solid, for Differential Gears)

Swain Lubricator Co., 443 W 37th, Ch'cago, Ill.

## Lubricants (Wire Rope)

**See Wire Rope Coating & Lubricant**

## 7621—Lubricating Oils & Greases

### ARKANSAS.

LITTLE ROCK—Gay Oil Co.

### CALIFORNIA.

LOS ANGELES—Hercules Oil Refining Co.
Pacific Coast Beef & Provision Co. (Animal Oils & Greases)
Union Oil Co. of Cal., Union Oil bldg
Warren & Bailey Co. (Oils), 214 E 3rd
SAN FRANCISCO—American Oil & Paint Co., 284 Perry
Capitol Refining Co., 343 Sansome
Clinch C. G. & Co., 144 Davis
Dunn J. T. Co. Inc. (Imp. & Exp.), 216 Pine *See adv index at end of book*
Fuller W. P. & Co., 301 Mission
McGuffick J. R. & Co. (Oils), 148 Stewart
Nason R. N. & Co., 151 Potrero av
New York Lubricating Oil Co., 798 Minnesota
Whittier-Coburn Co., Howard & Beale

### COLORADO.

DENVER—Continental Oil Co.

### CONNECTICUT.

HARTFORD—Post & Lester Co. ('Lubro Visco")
Sweet C. F. ("Mercedes," "Climax")

### GEORGIA.

ATLANTA—Reed Oil Co. ("Reed" Cylinder Grease)
AUGUSTA—Peoples Oil Co.

### ILLINOIS.

CHICAGO—Advance Packing & Supply Co. ("Autoleum"), 54 E Lake
Ajax Lubricating Co., 108 S La Salle
Besley Chas. H. & Co. ("Helmet" Oil), 120 N Clinton. Works: Beloit, Wis.
Chicago Engineer Supply Co., 68 W Lake
Collins W. P. & Co., 332 Dearborn
Columbia Lubricants Co., 1549 S Michigan
Consumers Refining Co., 76 W Monroe
Crescent Linseed Oil Works (Natural Lubricating Oils), 927 Blackhawk
Crew Levick Co., 327 W Austin
Dearborn Chemical Co., ("Fort Clyde," "Fort Dearborn," "Fort Douglass," "Fort Sheridan" & "Fort Snelling"), 332 S Michigan av
Frazer Lubricator Co. ("Frazer"), 3921 Normal av
International Lubricants Co., Ltd., ("Accrus"), 350 N Clark
International Oil Refining Co., 1001 S Wabash av
Inter-Ocean Oil Co., 171 N Green
Jenkins Geo. R. & Co. (Engine), Cylinder, Dynamo, Machine, Oils & Cup, Auto Greases, etc), 608 S Dearborn
Jewett & Sowers Oil Co., 20 W Jackson blvd
Keystone Oil & Mfg. Co., 111 N Market
Magie Bros., 110 S Clinton
Miller Wm. P. Co. ("Victory," "American," "Shield" & "Universal"), 2316 S Wabash av
Morris & Co., W. S. Yards
Rosenberg Oil Co., 2066 Milwaukee av
Standard Oil Co., 910 S Michigan av
Star Oil Co., 348 Irving av
Stuart D. A. & Co., 2733 S Troy
Sullivan Oil Co., 413 Wells
Superior Oil & Supply Co., 1748 Wilmot av
Viscosity Oil Co., 1101 W 37th
Wilson & Co., 41st & Ashland av
Winne Howard B., 714 Jackson blvd
CHICAGO HEIGHTS—Traction Lubricating Co.
QUINCY—Richardson Lubricating Co. ("Supreme," "Keystone")
SPRINGFIELD—National Refining Co.

### INDIANA.

EVANSVILLE—Evansville Oil Co.
INDIANAPOLIS—Crescent Oil Co.
General Oil Works Co.
National Refining Co.
Tiona Refining Co.

### IOWA.

COUNCIL BLUFFS—Monarch Mfg. Co. ("Monamoile")
MARSHALLTOWN—Marshall Oil Co. of Iowa ("Rex" Ice Oil for Railroad Signals, etc.)

### KANSAS.

CHANUTE—Kansas Co-operative Refining Co. (Petroleum Products)

### KENTUCKY.

COVINGTON—Standard Oil Co. (of Kentucky)
LOUISVILLE—Standard Oil Co. (of Kentucky)

### MAINE.

PORTLAND—Little & Coffin Oil Co. (Oil)

### MARYLAND.

BALTIMORE—American Oil Co., American bldg
Baltimore Oil Co. (Jobbers), 106 High
Bragonier A. C. & Son (Oils), 343 N Calvert
Chesapeake Oil Co., Ostend & Leadenhall
Crescent Oil Co., 602 W Pratt
Crown Oil & Wax Co., Cor. Pratt & 8th
Hook Jacob W. & C. H. & Co., 3700 Bank
Hopkins Johns Oil Co. (Cylinder & Engine Oils, etc.), Stewart bldg
Island Petroleum Co., Keyser bldg
MacNeal Jas. B. & Co. (Engine, Machine & Cylinder Oils, etc.), Warner & Wooster
National Oil Co., Keyser bldg
Patapsco Oil & Grease Co., 109 Cheapside
Red "C" Oil Mfg. Co., Keyser bldg.
Robinson Wm. C. & Son Co. ("Journal Compound," "Lubrantine," Grease, "Autoline" Cylinder, Engine, Spindle & Dynamo Oils, "Greoil"), 32 South
Sherwood Bros., Garrett bldg

### MASSACHUSETTS.

ATLANTIC—Bosson & Lane
BOSTON—Boston Oil & Gasoline Co., 24 Piedmont
Chesterton A. W. Co. ("Autoleum" Oils & Greases), 64 India
Colonial Lubricating Oil Co., 15 Storer
Columbia Lubricants Co., 126 Massachusetts av
Crane L. M. & Co., 91 Oliver
Curry Bros. Oil Co., 253 Franklin
Eagle Oil & Supply Co. ("Eagleine"), 44 India
Economy Lubricating Co. (Improved Process "Economy" Grease), Dorrance & Temple, Charlestown 29
Hinds & Coon, 126 Pearl
Keystone Lubricating Co., 141 Milk
McLean-Jones Oil & Supply Co. ("Swastika" Inc.), 40 Court
Macomber Henry S & Co., 150 Milk
Masury-Young Co. (Wool Oils, Lubricating Greases, etc.), 196 Milk
Patterson Lubricating Co. (Oils), 114 Broad
Robinson Wm. C. & Sons Co., 43 Commercial Wharf
Underhay Oil Co., 73 Batterymarch
Vacuum Oil Co., 49 Federal
Valvoline Oil Co., 27 State
Wood W. A. Co., 373 Atlantic av
Young Frank L. Co. (Oils), 111 Purchase
CAMBRIDGE—Speare's, Alden Sons Co.
FITCHBURG—Snow Flake Axle Grease Co. ("Snow Flake")
LYNN—Bradford Oil Co. Inc.
NEW BEDFORD—Nye Wm. F. (Oils Only)
Robinson W. A. & Co.
PALMER—Buck E. A. & Co. (Oils)
WORCESTER—Buck E. A. & Co.
Continental Asbestos Corp. ("Spedolene"), 7 Summer
Eastern Supply Co., 2 Canterbury
White & Bagley Co. ("Royal Worcester," "Oilzum")

### MICHIGAN.

DETROIT—Detroit Refining Co., Majestic bldg
Pattison Oil Co. (Oils), 27 Woodward av
White Star Refining Co., Avery & Grand Trunk Ry.
JACKSON—American Oil Corp. ("Amoil-co." "Anti-Carbon")
Auto Oil Co.
PORT HURON—Acheson Oildag Co.
Stock G. B. Xylite Grease & Oil Co.

### MINNESOTA.

MINNEAPOLIS—Climax Western Oil Co. ("Bull Dog" Brands), 2824 10th av, S
Durkee-Atwood Co. ("Rie Nie"), 40 Wilder
Kunz Oil Co., 12 Wilder
Pure Oil Co. ("Puritan" Motor & Hard), 1st & 13th, av S.
Twin City Oil Co. (Oils & Greases), 210 N 1st
Van Tilburg Oil Co. ("Wang"), 2424 University av, S E
ST. PAUL—Cornplanter Lucribating & Oil Co. ("Diamond" & "Pioneer"), ft. Drake

### MISSOURI.

KANSAS CITY—Kansas Co-operative Refining Co. (Petroleum Products), Mutual Oil Co., Interstate bldg
ST. LOUIS—Bell Oil Co. ("Liberty Bell" & "North Pole"), 600 S Vandeventer
Crescent Oil & Supply Co. (Oils), 303 N Levee
Dixon Joseph Crucible Co. (of Jersey City, N. J.), Victoria bldg
Fraser Lubricator Co., 2412 S 7th
Great Western Oil Co., 803 N Levee
Jones Geo. P. & Co. (Oils), 218 N Commercial
McGuire Nat. L. Oil & Supply Co., 2924 Locust
Matthews Geo. T. & Co. (Oils), 20 S Main
Mound City Oil & Supply Co. ("M-C"), 204 N Commercial
Northrop Lubricating Oil Co., 308 N Commercial av
Pierce Oil Corp, Bank of Com. bldg
St. Louis Oil Co., 2921 N Bury
Street J. D. & Co. ("Ruby"), 41st & Pk

### NEBRASKA.

OMAHA—Nicholas L. V. Oil Co.

### NEW JERSEY.

BAYONNE—Duryea Mfg. Co.
CAMDEN—Camden Chem. Mfg. Co. ("Greyhound" Combination), 1800 Mickle
Hollingshead R. M. Co. ("Whiz," "Hollingshead" Machine, Harvester, Engine, etc.)
Pittsburgh & Philadelphia Oil & Refining Co.
JERSEY CITY—Anchor Refining Co., 82 Woodroad
Dixon Joseph Crucible Co.
Frazer Lubricator Co., 179 15th
Hudson Oil & Supply Co., 49 Hudson
Zibell J. A. Co., 191 Culver av
NEWARK—American Oil & Supply Co., 238 Wilson av
Fiske Bros. Refining Co. ("Lubroleine"), 76 Esther
National Oil & Sup. Co. ("Viscos"), 180 Freigysen av
Pure Oil Co., 423 Passaic av
Sheppard W. S. ("Ideal"), 21 Lawrence
Wire Rope Lubricating Co., 40 Clinton
Young Orlando W. (Young's), 33 Ross
RAHWAY—Three-In-One Oil Co. (See New York)
RIDGEWOOD—Ever-Ready Oil Co.

## NEW YORK.

ALBANY—Bleecker Wm. R. Oil Co.
Higgins Robert J.
Sinclair Refining Co. ("Four Bros.")
Wing Robert B & Son, 385 B'way
BINGHAMTON—Binghamton Oil Refining Co.
Tiona Oil Co.
BUFFALO—American Oil Product Co., 1426-30 Seneca
Buffalo Refining Co. (Cylinder & Engine Oils, Filtered Stocks & "Niagara" Grease), 77 Main
Buffalo Specialty Co. ("Home" Oil), 375 Ellicott
Cataract Refining & Mfg. Co. ("Cascade")
Commercial Oil Co., 17 Main
Enterprise Oil Co., 164 Chandler
Fails N. B. Lubricating Co., Prudential bldg
Hosmer G. A. Co., 601 Northland av.
Ideal Oil Co., 931 Clinton
Shining Light Mfg. Co. (Oils & Greases)
Warren Lubricant Co., 22 Mansico ("Spermo," Consistency," "Perfecto," "Sanderson")
Winslow Lubricating Co. ("Grapinhoil"), 608 Swan
CORTLAND—Cortland Specialty Co. (Oils & "Hout's" Cup Grease)

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Crane James W., 23-27 N Pier, Hamilton Ferry
Diana Oil & Grease Co. ("Marathon"), 544 Hamilton av
Miller Wm. P. Co. ("Victory," "American," "Miller's Commodore," "Shields" & "Universal"), 250 Greene
Newton A. E. & Co., 164 Prospect av

### Boroughs of Manhattan and Bronx.

NEW YORK—A. L. A. Mfg. & Supply Co. ("A. L. A."), 72 Trinity pl
Albany Lubricating Co., 708 Washington
Alexander H. T. & Co. ("Grand Prix" Motor), 17 Battery pl
Belden A. G. & Co. (Importers & Exporters), 28 Burling slip
Benners E. H. Co., 32 Front
Bliven & Carrington, 29 Moore
Borne-Scrymser Co. ("Silex" & "Colonial" Greases, "Turboil" for Turbines; also Engine, Cylinder & Car Oils, "Diamond W." etc.), 80 South
Burgmann Foeder, 26 Cortland
Chard & Howe, 250 Front
Chelsea Oil & Supply Co., 17 Battery pl *See adv index at end of book*
Clarkson & Ford Co. ("Banner"), 55 Water
Colgan Mfg. & Supply Co. ("Colgan," "Ball), 118 Maiden la
Columbia Lubricants Co. of N. Y. ("Monogram"), 116 Broad
Columbia Refining Co. ("Royal" Cup Grease, "K. A. C.," Auto), 90 West
Cook & Cokefair ("Vulcan"), 306 Pearl & Albany Cylinder Oil), 708 Washington
Cook's Adam Sons ("Albany Grease"
**COOK & SWAN CO. INC.**, 148 Front
*See adv index at end of book*
Corning Arthur W., 251 Front
Craycroft Oil Co., 42 B'way
Dingee M. H. & Co., 254 Water
Eagle Lubricating Oil Co., 2 Stone
Efficiency Oil Corp. (Gas-Oil for Combustion Chambers), 1716 B'way
Faul Wm. J. Co. (Dealer), 133 Front
Fiske Bros. Refining Co. ("Fiskes"), 24 State
Frazer Lubricator Co. (Grease), 81 Murray
French Lubricating Oil Co., 400 Pearl
Gallaway G. W. ("Velocity"), 322 Pearl
Graphoil Lubricating Co. ("Graphoil"), 71 Clymer, B'klyn
Haggerty Refining Co. ("Thermo," "Reliance," "Thermoline"), 50 South
Harris, A. W. & Co. ("Acme," "Champion," "Empire," "Eureka," "Excelsior," "Globe," "Imperial Star," "Red Star," "Victor"), 17 Battery pl
Haws Geo. A. ("Marnile," "Peerless," "Panhard"), 135 Front
Henle S., Inc., 23 Beaver
Hewlett Bros., 32 Front
Hudson Oil Co., 109 Broad
Ilsley, Doubleday & Co., 229 Front
Indian Refining Co. ("Sunset," "Champion," "Havoline" Automobile Oil), 244 Madison av
Interocean Oil Co., 90 West
Invader Oil Co. ("Invader," "I. O. C."), 76 Pearl
Kanter R. J. Co. ("Horseline" & "E & K"), 647 Water
Kellogg, E. H. & Co. ("Anti-Corrosie," Cylinder, Dynamo & Spindle, Oils, etc), 243 South
Kuhne-Libby Co., 51 Front
Marden, Orth & Hastings Co., 136 Liberty
Miller Frank Co., 349 W 26th
New York Lubricating Oil Co., 116 Broad
National Oil Co. (Jobbers) ("Royal"), 17 Battery pl
N. Y. & N. J. Lubricant Co. ("Non-Fluid"), 165 B'way
Oil & Grease Co. ("O. & G."), 65 B'way
Pennsylvania & Delaware Oil Co. (Cylinder & Engine Oils, etc), 90 West
Petroleum Products Co., 51 Front
Pigot, Sayre Co. ("Aurora"), 71 Front
Platt & Washburn Refining Co., 11 B'way
Prudential Oil Co. Inc. (Jobbers), 17 Battery pl
Quimby J. L. & Co., 278 Water
Reliance Oil & Grease Co., 50 South
Remington Arms Company, Inc. ("Remoil," "Para-vaseline" for cleaning guns & revolvers), 233 B'way
Schilling, Frederick ("Paramount"), 617 Greenwich
Sharpe & Co. (Dealer), 97 Water
Sonneborn's L. Sons ("Amalie," All kinds of Oils & Greases), 262 Pearl
Speares Alden Sons Co., 149 B'way
Standard Oil Co. of N. J. ("Polarine"), 26 B'way, New York
Standard Oil Co. of N. Y. ("Capitol," Cylinder & "Renown," Engine Oils, Petroleum Lubricants & "Arctic" Grease, "Polarine," Oils & Greases), 555 W 25th
Stoddard Oil Co. (Jobbers), 17 Battery pl
Strong Machinery & Supply Co., "Strong's E-Z-EE" Slip, "Strong's" Graphite Grease), 21 Walker
*See adv index at end of book*
Swan Alden S. & Co., 135 Front
Swan & Finch Co. ("Cascade," "Boymay," "Excelsior," "Eagle," "Cataract," "Calypool," "Victor," "Monarch," "Seba," "Tiger," "Petrol," (Atlas"), 165 B'way
**TEXAS COMPANY** ("Texaco"), 17 Battery pl
*See adv index at end of book*
Three-In-One Oil Co. ("Three-in-One") 165 B'way
Tidewater Oil Co., 11 B'way
Union Excelsior Lubricating Co., 229 Front
Vacuum Oil Co. ("Mobiloil"), 61 B'way
Valvoline Oil Co. ("Valvoline," "Magnet"), 11 B'way
Warren Lubricant Co., 27 Coenties Slip
Wilburine Oil Works, 11 B'way
Winn Wm. R., 488 Cherry
Wolverine Lubricants Co. of New York "Wolf's Head"), 44 Whitehall
Woolley G. C. Co. ("Runwell" Oils), 502 E 20th

### Borough of Queens.

LONG ISLAND CITY—Pan-O-Lite Grease & Oil Co. ("Excelsior"), 298 Hancock

**(End of New York City)**

NIAGARA FALLS—Acheson Graphite Co. ("Acheson," Graphite & Graphite Grease)
OLEAN—Perfection Oil Co.
ROCHESTER—Hayner Norman C. Co. ("No-Set-O" Cylinder, Engine & Dynamo Oils, etc.)
Southwick Theron T. Oil Co. ("Graphite Perfecto")
Sterling Oil Co.
Union Oil Works
Vacuum Oil Co. ("Mobiloil" "Gargoyle" "Mobilubricants")
ROME—Baum's Castorine Co.
SYRACUSE—Mills C. E. Oil Co.
WATERFORD—Petroleo Co.

## OHIO.

BEDFORD—Franklin Oil & Gas Co. (Cylinder & Engine Oils)
CINCINNATI—American Oil Treating & Hardening Co., Ivorydale
Cincinnati Oil Works Co., 525 Eggleston av
Evans Oil Works, 637 Elsinore
Moore Oil Co. (Solid Lubricants & Special Greases, for Jobbing Trade Only), York & McLean av
Paragon Refining Co., 3222 Beekman
Valvoline Oil Co. ("Valvoline," "Mobiloil"), 1761 Elmore Cumville
Wagner C. P. & Co. (Cylinder, Engine, Dynamo, etc), 308 Sycamore
CLEVELAND—Anchor Oil & Chemical Co. ("Anchor")
Atlas Oil Co., Rose bldg
Brooks Oil Co., C. & P. & Erie R. R.
Canfield Oil Co. (Petroleum Products, 3210 E 55th
Carran Lewis C. Co., Rockefeller bldg
Clark Fred G. Co. (Wholesale Trade Only), 1081 W 11th
Climax Refining Co. ("Velvetine"), Williamson bldg
Crown Oil Co., 804 Lakeside av, N W
Cummer Products Co., 2150 W 15th
Damascus Mfg. Co., Cassins av
Dietrichs Valve-Oleum Oil Co., 1252 W 70th
Ensign Refining Co., 10703 Quebec av, S E
Fairfax Refining Co., 9420 Meach
Globe Refining Co. ("Globe," Solid Oil), 934 Rose bldg
Great Western Oil Co. (Auto & Engine Oils, etc.), 2846 E 37th
Kingsley H. B. ("Sealine" Oils & Cup Greases), 325 St. Clair av, N W
Manufacturers' Oil & Grease Co., Century bldg
Mohawk Refining Co., 1131 W 11th
Monitor Oil Co. (Oils & Greases)
National Refining Co. (Petroleum Products), Rose bldg
Northern Chemical Co. ("Lubricene")
Phoenix Oil Co. ("R. M. C. C."), 2554 W 5th
Pioneer Mfg. Co. ("Ottomo"), Harvard av & E 103d
Plomo Specialty Mfg. Co., Belmont bldg
Puritan Oil Co. ("Puritan," "Aero" & "Packard"), 1244 W 70th
Standard Oil Co. of Ohio ("Eldorado" Engine, "Standard" Gas Engine, "Mobilubricant," etc), E Ohio Gas bldg
Star Lubricating Oil Co., 8741 B'way S E
Sterling Refining Co., 6408 Euclid av
Stevens Grease & Oil Co., E 79th & Avrina av
Tropical Paint & Oil Co. ("Cyclone" Cylinder & Engine), W 70th
Universal Lubricating Co. ("Tulle" Lubricants for Elevator Slides, Sheaves, Engine Room, etc), Schofield bldg
Visco Motor Oil Co., 2104 Superior av N W
Warren Refining Co., 9420 Meech av
Whitmore Mfg. Co. ("Whitmore's" Gear Protective Composition, "Whitmore's" Journal Oil), Iron & Erie Ry.)
COLUMBUS—Keystone Paint & Oil Co. (Oils)
Ohio Cities Gas Co. (Oil Refiners)
Ohio Filler & Shield Co., 522 City av
EAST LIVERPOOL—Williams S. C. & Co. (Oils)
HAMILTON—Smith E. A.
LOUDONVILLE—Ohio Grease Co. ("Ohio," "Triangle" Cylinder Cup, Bearing & Journal Grease)
MANSFIELD—Independent Oil Co.
TOLEDO—Craig Oil Co.
Electric Refining Co.
Hardy & Dischinger Co.
Monarch Mfg. Co. ("Channelene" Grease), Ironville

# TEXACO

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Fuel Oils
Diesel Fuels
Bunker Oils
Spindle Oils
Motor Oils
Engine Oils
Machine Oils
Dynamo Oils
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Cylinder Oil

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OHIO—Toledo—continued
**Paragon Refining Co. (Cylinder Valve & Engine Oils & Grease & Lubricating Compounds)**
**Sun Co. (Engine & Cylinder Oils & Greases)**

### PENNSYLVANIA.

ALLENTOWN—Garnet The Co.
Gossler Oil Co. (Oils & Greases)
BRADFORD—Emery Mfg. Co. (Steam Refined Cylinder Stock)
Journal Oil Co.
Kendall Refining Co. (Steam Refined Cylinder Stocks, etc.)
Sloan & Zook
CHESTER—Manufacturers' Paraffine Co.
CLARENDON—Clarendon Refining Co.
EMLENTON — Emlenton Refining Co. (Cylinder Engine, Spindle, Dynamo, etc.)
Sterling Oil Co.
ERIE—Erie Oil Co.
Penn. Oil Co.
Union Oil Works
United Oil Mfg. Co.
FERNWOOD—Modoc Company ("Modoc" Journal Lubricant & Gear Grease)
FRANKLIN — Galena Signal Oil Co. (Coach, Engine & Car Oils, "Perfection" Valve & Signal Oils)
Foco Oil Co. (Jobbers)
Franklin Oil Wks
Marwin Mfg. Co. (Ltd.), (Autolene)
FREEDOM—Freedom Oil Works Co. (Refiners of Machinery Oils, etc)
NORTH CLAREDON—Smith, Levi Refining Co.
OIL CITY—Advance Oil Co.
Continental Refining Co.
Crystal Oil Works (Railroad Oils a Specialty
Empire Oil Works (Cylinder & Machy. Oils)
Independent Refining Co. Ltd. (Engine Dynamo Oils, etc.)
Oil City Oil & Grease Co.
Penn. American Refining Co. (Cylinder, Spindle, Engine, Valve Oils Only, etc.)
Penn. Oil & Supply Co. Ltd, (Petroleum Lubricants)
PHILADELPHIA—Atlantic Refining Co. (Engine, Cylinder, etc), 3144 Passyunk av
Benson W. T. & Co., 232 W. Front
Borne, Scrymser Co., Lafayette bldg
Brown D. P. & Co. (Oils & Greases, Jobbers), 264 N 4th
Commercial Lubricating Co. ("Lubriko"), cor Meadow & Jackson
Crew, Levick Co. ("Crew, Levick" Automobile Oils), Land Title bldg
Houghton E. F. & Co. ("Cosmolubric" Oil, "Vim" Cylinder Oils, Lubricating Greases, etc), 240 W Somerset
Hulburt C. & Co., 240 Arch
Keystone Lubricating Co. ("Keystone" Greases & Compounds & Belt Greases), 21st & Clearfield
Loos & Dilworth, 134 S Front
Murray & Murray, 219 Quarry
Penn. Petroleum & Supply Co. ("Primus"), 115 N 2d
Philadelphia Grease Mfg. Co., 848 S Swanson
Pure Oil Co. ("Puro" Oils), Lafayette bldg
Quaker City Supply Co., Land Title bldg
Richards G. Whitfield, 1732 Carlton
Skipton Valentine Co., 221 Arch
Smith Chas. K. & Co., 123 Arch
Stevenson Bro. & Co., 110 Race
Sun Co. (Petroleum Lubricants), Finance bldg
Sunlight Oil & Gasoline Co. (Cylinder & Lubricating Oils), 49th & Gray's av
Union Petroleum Co. (Cylinder, Engine, Dynamo, Wool & Cordage Oils, Automobile, Motor Boat & Gasoline Engine Lubricants, etc), Widener bldg
Walton F. S. Co. ("Zorozo," Grease, etc), Orthodox & Dela
Zurn O. F. Co. ("Peerless," "American," "Detroit" Grease, etc), Broad & Lehigh av
PITTSBURGH—**ADMIRAL PETROLEUM CO.**, 215-216 Bessemer bldg.
*See adv index at end of book*
Duquesne Oil & Supply Co., 3300 Smallman
Eagle Lubricating Oil Co., 226 1st av
Guffey J. M. Petroleum Co., Frick Annex
Gulf Refining Co. (Petroleum Products), Frick bldg, Annex
Hamel J. J. & Co., Union Bank bldg
Miller's A. D. Sons Co. (Cylinder, Engine & Dynamo Oils & Cup, Journal, Belt & Sponge Greases), Columbus & Preble
Penna Lubricating Co., 34th & A. V. Ry.
Pittsburgh Oil Refining Co. (Cylinder, Spindle, etc)
Sun Co., 27th & Smallman
**WAVERLY OIL WORKS CO.** (Engine & Cylinder Oils)
*See adv index at end of book*
READING—Ellis & Cummings Oil Works
SCRANTON—Maloney Oil & Mfg. Co.
TITUSVILLE—American Oil Works (Ltd.)
Frank Oil Co. (Oils)
Harris Oil & Grease Works (Gas Engine Cylinder Oils, etc)
Pennsylvania Paraffine Works
WARREN—Clarendon Refining Co.
Conewango Refining Co.
Cornplanter Refining Division (Wholesale Oils)
Seneca Oil Works (Cylinder & Machinery Oils)
United Refining Co. (Oils)
Warren Refining Co. (Cylinder, Engine, etc)
Warren Oil Co.
Wilburine Oil Works (Ltd.), (Petroleum Lubricants)

### RHODE ISLAND.

PAWTUCKET—Edmands Arthur B. Co. ("Crystalized Oil"), 180 Main
Perry Oil Co.
PROVIDENCE—American Oil Co., 180 S Water
American Supply Co., 135 Washington
Bush Chas. S. Co. (Oils & Greases), 224 Weybosset
Harris A. W. Oil Co. ("Harris"), 326 S Water
Phetteplace Oil Co., 334 S Water

### TEXAS.

DALLAS—Armstrong Packing Co.
Dallas Oil & Refining Co.
HOUSTON—Bonner Oil Co.
Gulf Refining Co.
Texas Co.

### WASHINGTON.

SEATTLE—Pacific Lubricating Co.
Sea Board Oil Co.

### WEST VIRGINIA.

PARKERSBURG—Zero Oil Co.

### WISCONSIN.

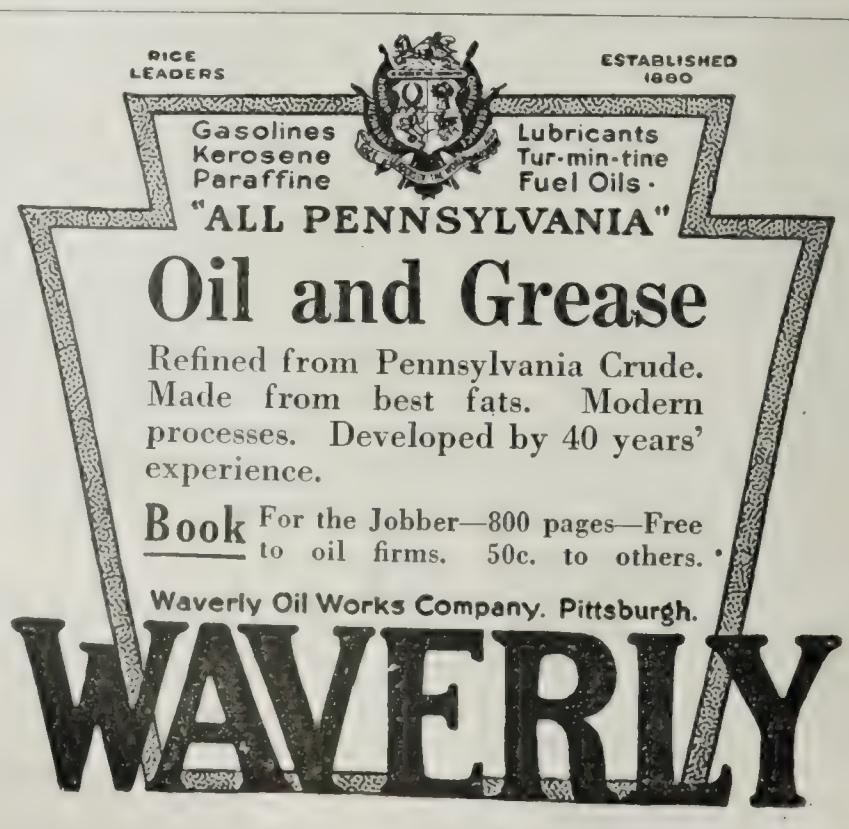
BELOIT—Besly Chas. H. & Co. (See Chicago, Ill.)
MILWAUKEE—Campbell J. M., 54 2nd
Delaney Oil Co., 47 3rd
Halsted W. D. Oil Co., 320 E Water
Hormeister Leo Co., Forest Hill & Hofmeister av
Independent Oil & Grease Co., 268 S Water
Kramer W. J. Oil Co., 214 Reed
Layton Park Oil & Soap Co., 29th & Forest Home avs
Magie E. E. Specialty Mfg. Co., 551 Wahl av
Peters Oil & Compound Co. (Oils & Greases), 356 Clinton
Wadham's Oil Co. ("Badger" & "600 K" Cylinder), 359 Clinton
OSHKOSH—Stroud-Doyle Co.
RACINE—Johnson S. C. & Son (Automobile Stop Squeak Oil)
WAUKESHA—Kent Lubricating Co.

## 7622—Lubricators (Air Brake)

Emery Pneumatic Lubricator Co., 1932 N B'way, St. Louis, Mo.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Nathan Mfg. Co., 416 E 106th, New York
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*

## 7623—Lubricators (Air Compressor)

See also Lubricators, Oil & Grease Cup; also Lubricators, Gas Engine
**LUNKENHEIMER CO.** ("Banner," "Emblem," "Hercules" & Premier"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McCullough Mfg. Co., 2636 Central av, Minneapolis, Minn.
*See adv index at end of book*
Nugent, Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*

## 7624—Lubricators (Automobile)

**See also Lubricators, Oil & Grease Cup; also Lubricators Force Feed**

Burns & Bassick Co. Div. of The Bassick Co., Bridgeport, Conn.
Cleveland Machy. & Supply Co., Union bldg, Cleveland, O.
Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 7625— Lubricators (Candle)

**For Shafting & Loose Pulleys, etc)**

Detroit Lubricator Co., Detroit, Mich.
Faul Wm. J. Co. ("Positive"), 133 Front, New York
Swain Lubricator Co., 443 W 37th, Chicago, Ill.

## 7626—Lubricators (Car Journal)

Armstrong Oiler Co., Commonwealth Trust bldg, Phila., Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Swain Lubricator Co., 443 W 37th, Chicago, Ill.

## 7627—*Lubricators (Electric Motor)

**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## 7628—Lubricators (Elevator Guide)

Elevator Supplies Co. ("E. S."), Hoboken, N. J.
Knickerbocker Elevator Gate Co., 116 West, New York
Swain Lubricator Co., 443 W 37th, Chicago, Ill.

## 7629-30—Lubricators (Engine, Brass, Etc.)

**See also Lubricators, Various Kinds**

Allen W. D. Mfg. Co. (Gas Engine), 566 W Lake, Chicago, Ill.
*See adv index at end of book*
American Injector Co., 173 14th, Detroit, Mich.
American Lubricator Co. ("Improved," "Perfection," "Reliable," "Crescent," "Keystone"), Summit & Wabash Ry., Detroit, Mich.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
**LUNKENHEIMER CO.** ("Senior," "Junior," "Major," "Colonel," "Auxiliary"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McCullough Mfg. Co., 2636 Central av, Minneapolis, Minn.
*See adv index at end of book*
Manzel Bros Co., 315 Babcock, Buffalo, N. Y.
Michigan Lubricator Co. ("Michigan," Sight Feed, Gas, Gasoline & Steam-Engine, Air Compressor, Steam Pump), 3643 Beaubien, Detroit, Mich.
Nathan Mfg. Co. ("Max," "Le Laval," Sight-Feed), 416 E 106th, New York
Nugent, Wm. W. & Co., 146 W. Superior, Chicago, Ill. *See adv index at end of book*
Ohio Injector Co. ("Chicago"), Wadsworth, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Penberthy Injector Co. ("Penberthy"), 346 Holden av, Detroit, Mich.
Powell Wm. Co. ("Boson," "Middy," "Viking," "Vakum," "Trident," "Corsair," "Neptune," "Nestor," "Nymph," "Viduet," "Vitray"), Cincinnati, O. *See adv index at end of book*
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.
Williams D. T. Valve Co. ("Worthy," "Wonder"), Cincinnati, O.

## 7631—Lubricators (Force Feed)

Biddison Mfg. Co., Madison, Wis.
Commonwealth Brass Wks., Detroit, Mich.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Greene, Tweed & Co. ("Multiplus" & "Rochester" Automatic), 109 Duane, New York
Hills-McCanna Co., 2025 Elston av, Chicago, Ill.
**Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.**
*See adv index at end of book*
Interstate Machine Products Co., Rochester, N. Y.
Lonergan J. E. Co. ("Keystone," Hand), 211 Race, Phila., Pa.
**LUNKENHEIMER CO.** ("Marvel," "Invincible," "Alpha," "Universal"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McCord Mfg. Co. ("McCord" Motors, Engines, Pumps, etc), 2587 E, Grand blvd, Detroit, Mich.
McCullough Mfg. Co., 2636 Central av, Minneapolis, Minn.
*See adv index at end of book*


The Practical Force Sight-Feed

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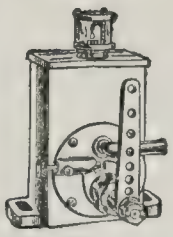

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Madison-Kipp Lubricator Co. ("Kipp," Valveless), Madison, Wis.
Manzel Bros. Co., 315 Babcock, Buffalo, N. Y.
Nugent Wm. W. & Co., 146 W, Superior, Chicago, Ill. *See adv index at end of book*
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Richardson-Phenix Co. ("R. P."), 131 2nd, Milwaukee, Pa.
Richmond Pressed Metal Works, Inc. ("Dake"), Stockton & 6th, Richmond, Va.
Sherwood Mfg. Co. ("Hart" Mechanical Oil Pumps for Traction Engines, Road Rollers, Drop Hammers, etc), 1709 Elmwood, Buffalo, N. Y.
Swain Lubricator Co., 443 W 37th, Chicago, Ill.

## 7632—Lubricators (Graphite)

Allen Crucible Co., 714 50th av, East Oakland, Cal.
American Safety Lamp & Mine Supply Co. ("Watres"), Scranton, Pa.
Johnson Graphite Lubricator Corp, 50 Church, New York
**LUNKENHEIMER CO.** ("Graphite"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
National Graphite Lubricator Co., Scranton, Pa.
Randall Graphite Sheet Lubricator Co. ("Randall" Graphite Sheet), 711 Fulton, Lake, Chicago, Ill.
Strong, Carlisle & Hammond Co. ("Randall," Sheet), 336-344 Frankfort av, N. W. Cleveland, O.
Swain Lubricator Co., 443 W 37th Chicago, Ill.

## Lubricators (Grease & Oil Cup)

See Lubricators, Oil & Grease Cup

## 7633—Lubricators (Locomotive)

Crescent Mfg. Co. ("Lackawanna"), Scottdale, Pa.
Davoren W. T. Brass Finishing Works ("Davoren Denver" Standard), 1241 12th, Denver, Colo.
Detroit Lubricator Co. ("Detroit" Bullseye Pattern), Detroit, Mich.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
Michigan Lubricator Co. ("Stationary"), 3643 Beaubien, Detroit, Mich.
Nathan Mfg. Co. ("Nathan," Double & Triple Sight-Feed & "Bull's Eye"), 416 E 106th, New York
Ohio Injector Co. ("Chicago"), Wadsworth, O.
Powell Wm. Co. ("Star Duplex"), Cincinnati, O. *See adv index at end of book*
Q. & C. Co. (Piston Rod), 90 West, New York
Richardson-Phenix Co. ("R. P."), (Force Feed), 131 2nd, Milwaukee, Wis.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.

## 7634— Lubricators (Locomotive Box)

Venango Mfg. Co., Franklin, Pa.

## Lubricators (Loose Pulley)

See Oilers, Loose Pulley

## 7634a—Lubricators (Mechanical)

McCullough Mfg. Co., 2636 Central av, Minneapolis, Minn.
*See adv index at end of book*

## 7635—Lubricators (Multiple Oiling)

Commonwealth Brass Wks., Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Essex G. B. Brass Co. ("Standard"), 480 Franklin, Detroit, Mich.
Hall Mfg. Co. ("Bartow"), Harrison, N. J.
Lonergan J. E. Co., 211 Race, Phila., Pa.
**LUNKENHEIMER CO.,** ("Paragon Duplex," "Paragon Triplex," "Marvel" & "Invincible"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Michigan Lubricator Co., 3643 Bleubien, Detroit, Mich.
Nathan Mfg. Co., 416 E 106th, New York
Nugent, Wm. W. & Co., 148 W. Superior, Chicago, Ill. *See adv index at end of book*
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Richardson-Phenix Co. ("R. P."), 131 2nd, Milwaukee, Wis.
Sherwood Manufacturing Co., 1709 Elmwood, Buffalo, N. Y.

## 7636—Lubricators (Oil Pump)

American Injector Co., 173 14th av, Detroit, Mich.
American Lubricator Co. ("Ideal" Glass Body & "Superior," all Brass), Summit & Wabash Ry, Detroit, Mich.
Atlas Brass Foundry Co., 980 Park, Columbus, O.
**BURT MANUFACTURING CO., (THE)** 40 Main, Akron, O.
*See adv index at end of book*
Cincinnati Lubricant Pump Co. ("Fulflo"), Blanchester, O.
Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
Erie Pump & Engine Works Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Essex G. B. Brass Co., 480 Franklin, Detroit, Mich.
Fulflo Pump Co., 128 Opera pl, Cincinnati, O.
Greene, Tweed & Co., 109 Duane, New York
Hills, McCanna Co., 153 W. Kinzie, Chicago, Ill.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Jarecki Mfg. Co., Erie, Pa., & Pittsburgh, Pa.
Lonergan J. E. Co. ("Calumet & Hecla" Pattern, etc.), 211 Race, Phila., Pa.
**LUNKENHEIMER CO.** ("Alpha," "Universal," "Marvel," & "Invincible"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McCullough Mfg. Co., 2636 Central av, N E Minneapolis, Minn.
*See adv index at end of book*

LUBRICATORS (OIL PUMP)—continued

Madison-Kipp Lubricator Co. ("Kipp" Valveless), Madison, Wis.
Manzel Bros. Co. ("Manzel" Sight Feed Automatic), 315 Babcock, Buffalo, N.Y.
Michigan Lubricator Co. ("Michigan"), 3643 Bieubien, Detroit, Mich.
Nathan Mfg. Co. (Hand Cylinder, etc.), 416 E 10th, New York
Nugent, Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*
Pedersen Lubricator Co., 636 First av, New York
Penberthy Injector Co., 346 Holden av, Detroit, Mich.
Powell Wm. Co. ("Cadet," "Pennant," "Beacon"), Cincinnati, O. *See adv index at end of book*
Richardson-Phenix Co. ("R. P."), 131 2nd, Milwaukee, Wis.
Sherwood Mfg. Co. ("Buffalo," "Felthousen" Cylinder, Mechanical & "Hart" Mechanical Sight Feed), 1709 Elmwood, Buffalo, N. Y.
Stahl Mfg. Co. ("Stahl's" Conical Base Grease Cups), 983 17th av, S E Minneapolis, Minn.
Star Brass Mfg. Co. ("Thompson"), 53 Oliver, Boston, Mass.
Tokheim John J., Cedar Rapids, Ia.
Trahern Pump Co. (Rotary), Rockford, Ill.
Williams D. T., Valve Co. ("Walrus"), Cincinnati, O.

## 7637—Lubricators (Oil & Grease Cup)

Agnes Raymond C. Co., Burlington, Wis.
Albany Lubricating Co. (Grease Cups Only), 708 Washington, New York
Allen W. D. Mfg. Co. ("Columbia," "Peerless," "Dixie," "Artic," "Reliable," "Golden Rule"), 566 W Lake, Chicago, Ill. *See adv index at end of book*

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

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W. D. ALLEN MANUFACTURING CO.
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Chicago, Ill.

American Injector Co. (Glass Oil Cups, Brass Grease Cups; also Compression Grease Cups, Moon Automatic), 173 14th av, Detroit, Mich.
American Lubricator Co. ("Pearl," "Banner," "Bessemer," "Admiral," "Acme," "Navy," "Model," Glass Body for Oil, "Lion," "Challenge," "Art," all Brass for Grease), Summit & Wabash Ry., Detroit, Mich.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
American Stamping Co., Battle Creek, Mich.
Bay State Stamping Co. ("Bennett Handy"), 380 Chandler, Worcester, Mass.
Besly Chas. H. & Co. ("Bonanza Badger" & "Helmet"), 120 N Clinton, Chicago, Ill.
Bowen Corp. ("Winkley" Brass, Steel & Combination), Detroit, Mich.
BOWEN PRODUCTS CORP. ("Empress" Line of Brass & Steel Grease Cups; Plain Compression, Plain Leather Packed, Ratchet Compression, Marine Compression, Spring Compression, Funnel Shafting Cups), Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn. & Windsor, Ont, Canada. *See adv index at end of book*
Buckeye Iron & Brass Works (Oil Cups Only), Dayton, O.
Buffalo Metal Goods Co. ("Emerson" Automatic), 196 Winchester av, Buffalo, N. Y.
Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
City Iron Works & Machine Co. (Grease), 522 S Delaware av, Phila., Pa.
COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., Est. 1855 (Brass & Copper), 836 S Michigan av, Chicago, Ill. *For branch offices see Alphabetical Section*
Crane Co., Bridgeport, Conn.
Crescent Mfg. Co. ("Lackawanna" Automatic Grease Cups Only), Scottdale, Pa.
Crescent Oil & Supply Co. ("Babcock & Kelley"), 303 N Level, St. Louis, Mo.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Detroit Shipbuilding Co. (Brass "McCoy," "Erie," "Huron," "Majestic," "Quaker," "Kirby," "Perfection," "Superior," "Eagle' & "Mutual"), ft. Orleans, Detroit, Mich.
Dielmore Valve Co. ("Newcombe" Grease Cups & Plugs), Tacoma, Wash.
Edelmann E & Co., 341 E Ohio, Chicago, Ill.
Edna Brass Mfg. Co. (Oil Cups Only), Cincinnati, O.
Essex G. B. Brass Co., 480 Franklin, Detroit, Mich.
Fanner Mfg. Co. (Grease Cups), Cleveland, Ohio
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
GITS BROS. MFG. & SPECIALTY CO. ("Gits" Spring Hinge Oil Cups), 1901 S, Kilbourn, Chicago, Ill.
GODFREY-KEELER CO., 70 Warren, New York *See adv index at end of book*
Hall Mfg. Co. ("Hall's"), Harrison, N. J.

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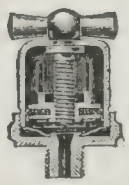
Fig. No. 207

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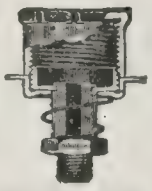
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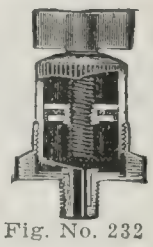
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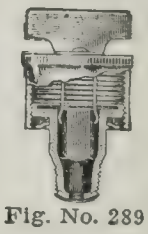
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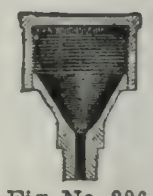
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Fig. No. 116

Fig. No. 118

Fig. No. 54

Fig. No. 50

Fig. No. 56

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Zerk Div., Cleveland, O. Minneapolis Div., Minneapolis, Minn.
Canadian Factory, Canadian Winkley Co., Ltd., Windsor, Ont.

Fig. No. 52

Fig. No. 74

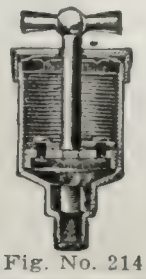
Fig. No. 51

Fig. No. 55

Fig. No. 60

Fig. No. 53

Fig. No. 287

Fig. No. 218

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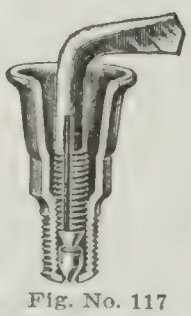
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Fig. No. 12-D

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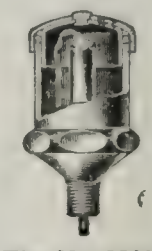
Fig. No. 5739

Hancock Mfg. Co., Charlotte, Mich.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Haydenville Co., Haydenville, Mass.
Henry Mfg. & Grease Cup Co. ("Henry" Grease Cups), Terre Haute, Ind.
Hunter Pressed Steel Co. (Compressed Air Grease Cups), cor Orthodox & Horrocks, Philadelphia, Pa.
Kelly & Jones Co. (Brass), 135 Water, Pittsburgh, Pa.
Kinsey & Mahler Co. (Brass), Peoria, Ill.
Lindholm Metal Stamping Co. ("McKee," "Lindholm," "Jacobs," "Vale," "Camden," "Madiera," "Joseph" Drawn Metal Grease Cups), Camden, N. J.
Link Mfg. Co. (Grease cup only), Kansas City, Mo.
Lonergan Jas. E. Co., 211 Race, Phila., Pa.
**LUNKENHEIMER CO.** ("Cardinal," "Pioneer," "Victor," "Sentinel," "Crown," "Reserve," "Royal," "Miami," "Champion," "Acorn," & "Hawk" Oil Cups: "Ideal," "Lion," "Jewel," "Marine," "Tiger," "Gem," "Surety," "Positive," "Apollo," "Lock," "Owl," "Guard," "Grip," "Atlas," "Majestic," "Checklock," "Primo," "Ferro," "Wingo," "Securo," Grease Cups), Executive Offices & Factories: Waverly & Beekman, Cincinnati, O.
*See adv index at end of book*
McCullough Mfg. Co., 2636 Central av, Minneapolis, Minn.
*See adv index at end of book*
McNab & Harlin Mfg. Co. ("Stauffer," Grease Cups, etc), 55 John, New York
**MERCHANT & EVANS CO.** ("M. & E." Automobile Grease Cups), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Michigan Lubricator Co. ("Michigan," "Common Sense," Marine Spring Compression, Loose Wire Crank Pin, "Reliable Plain," Kant-Leah), 3643 Beaubien, Detroit, Mich.
Milwaukee Valve Co. (Plain Brass Grease Cups), 139 Burrell, Milwaukee, Wis.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
Nathan Mfg. Co. ("Dreyfus"), 416 E 106th, New York
National Brass Mfg. Co., Rochester, N. Y.
Nunn Brass Works (Inc.), Rochester, N. Y.
Ohio Grease Co. ("Ohio Triangle"), Soudonville, Ohio.
Ohio Injector Co. ("Chicago"), Wadsworth, Ohio
Pedersen Lubricator Co., 636 First av, New York
Penberthy Injector Co. ("Penberthy," "Samson," "Saturn," "Silex," "Spring Lock"), 346 Holden av, Detroit, Mich.
Perkes Charles (Est of), 627 Arch, Phila., Pa.
Pioneer Brass Works, Indianapolis, Ind.

**POWELL WM. CO.** ("Parole," "Petrel," "Pilgrim," "Phoenix," "Planet," "Pinnacle," "Pointer," "Pluto," "Picket," "Puritan," "Polaris," "Penguin," "Signal" Oil Cups & "Coin," "Renown," "Bruno," "Bear," "Colonial," "Progress," "Popular," "Tiny," "Heather," "Thistle," "Sterling" Compression Grease Cups, "Mecca," "Mascot," "Mogul," "Mikado," Grease Cups, "Powell" Brass Oil Cups, "Mac," "Consort," "Vanguard"), Cincinnati, O.
*See adv index at end of book*

Rich Mfg. Co., 370 Atlantic av, Boston, Mass.
Scott J. E. Corp. Co., Columbus, O.
Sherman H. B. Mfg. Co. ("Premium," "Active" Brass), Battle Creek, Mich.
Sherwood Mfg. Co. ("Buffalo," "Niagara" & "Sherwood"), 1709 Elmwood, Buffalo, N. Y.
Springfield Brass Co. (Brass), Springfield, Ohio
Stahl Mfg. Co. ("Stahl's" Conical Base Iron Brass & Steel Grease Cups), 983 17th av, S E Minneapolis, Minn.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Sterling Machine & Stamping Co. ("Sterling"), Wellington, O.
Swain Lubricator Co. ("Swain"), 443 W 37th, Chicago, Ill.
Swift Lubricator Co. ("IXL," "Sachem," "Star" & "Sancho," Glass & Brass Oil Cups & Compression Grease Cups), Elmira, N. Y.
Universal Lubricator Co. ("Philadelphia" Grease Cups), 136 Chestnut, Phila., Pa.
U. S. Metallic Packing Co., 221 N 13th, Phila., Pa.
Wadhams Oil Co. ("Wadhams" Grease Cups), 359 Clinton, Milwaukee, Wis.
Wahlstrom Tool Co. (Oil Cups), 5520 2d av, Brooklyn, N. Y.
Wilkinson W. H. Co., West Medway, Mass.
Williams D. T., Valve Co. ("Tacoma," "Tremont," "Tarrant," "Temple," "Topaz," Tandem," "Automatic Needle Valve," "Dandy," "Duke," "Duchess," "Dragon," "Diamond," "Dakota," "Terrier," "Trophy," "Derby," "Diana," "Dwarf" & "Dixie"), Cincinnati, O.

## 7638—Lubricators (Pneumatic)

Emery Pneumatic Lubricator Co. ("Emery"), 1932 N B'way, St. Louis, Mo.

## 7639—Lubricators (Rock Drill)

Ingersoll-Rand Co. ("Heart Beat"), 11 B'way, New York
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 7640—Lubricators (Sight Feed)

American Lubricator Co. ("Perfection," "Reliable" & "Crescent," Glass Body), Summit & Wabash Ry., Detroit, Mich.
Commonwealth Brass Wks., Detroit, Mich.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see adv index at end of book*
Crescent Mfg. Co. ("Lackawanna," for Stationery Locomotive & Marine Engines), Scottdale, Pa.
Crescent Oil & Supply Co. ("Babcock" & "Kelly"), 303 N Level, St. Louis, Mo.
**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Detroit Lubricator Co. ("Detroit," "Zero," "Kid"), Detroit, Mich.
Essex G. B. Brass Co. 480 Franklin, Detroit, Mich.
Flower Walter L. Co. ("Ashton"), St. Louis, Mo.
Hall Mfg. Co. ("Hall's," "Bartow's"), Harrison, N. J.
Handlan-Buck Mfg. Co. ("Dibble"), 210-14 N 3rd, St. Louis, Mo.
Haydenville Co., Haydenville, Mass.
Jarecki Mfg. Co. ("Erie"), Erie, Pa.
Kelly & Jones Co. ("Westmoreland"), 135 Water, Pittsburgh, Pa.
Lonergan J. E. Co., 211 Race, Phila., Pa.
**LUNKENHEIMER CO.** ("Senior," "Junior," "Major," "Colonel," "Auxiliary," "Premier," "Paragon," "Mars," "Paragon Duplex," "Paragon Triplex," "Banner," "Emblem," "Hercules," "Cupid," "Arctic," "Vulcan," "Beacon"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McCullough Mfg. Co., 2636 Central av, Minneapolis, Minn.
*See adv index at end of book*
McNab & Harlin Mfg. Co. ("Boyden"), 55 John, New York
**McRAE & ROBERTS CO,** ("Eureka," "Never Fail"), 227 Campbell av, Detroit, Mich. *See adv index at end of book*
Madison-Kipp Lubricator Co. ("Kipp" Valveless), Madison, Wis.
Manzel Bros. Co., 315 Babcock, Buffalo N. Y.
Michigan Lubricator Co. ("Michigan," "Cyclone," "Rural," "Duke," "Giant," "Hot Stuff," "Pepper Pod," etc), 3643 Beaubien, Detroit, Mich.
Nathan Mfg. Co. ("Nathan," "Volunteer," "Columbia"), 416 E 106th, New York
National Brass Mfg. Co., Rochester, N. Y.
Ohio Grease Co. ("Ohio" Grease), Lundonville, O.
Ohio Injector Co. ("Chicago," "Ohio"), Wadsworth, O.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Powell Wm. Co. ("Trojan," "Columbian," "Star," "Crescent," "Ensign," "Spartan"), Cincinnati, O.
*See adv index at end of book*
Rich Mfg. Co. ("Phillips"), 370 Atlantic av, Boston, Mass.
Richardson-Phenix Co. ("R. P." Automatic Sight Feed Oil Pump), 131 2nd, Milwaukee, Wis.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Sherwood Mfg. Co. ("Buffalo"), 1709 Elmwood, Buffalo, N. Y.
Star Brass Mfg. Co. ("Seibert"), 53 Oliver, Boston, Mass.
Swain Lubricator Co., 443 W 37th, Chicago, Ill.
Swift Lubricator Co., Elmira, N. Y.
Wilkinson W. H. Co., West Medway, Mass.

## 7641—*Lubricators (Steam Engine)

**LUNKENHEIMER CO.** ("Senior," "Junior," "Graphite," "Major," & "Colonel"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McCullough Mfg. Co., 2636 Central av, Minneapolis, Minn.
*See adv index at end of book*

## 7642— Lubricators (Thread)

United Shoe Machinery Co. ("U. S. M. C.," Adapted to All Sewing Machines), 205 Lincoln, Boston, Mass.

## 7643— Lugs (Boiler)

Castle A. M. & Co. ("Drake-Castle Pressed Steel), 715 N Morgan, Chicago, Ill.
**KUTZTOWN FOUNDRY & MACHINE CO.** (Cast Iron), 1421 Chestnut, Phila., Pa. *See adv index at end of book*
Lukens Steel Co., Coatesville, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Scully Steel & Iron Co. (Pressed Steel), 2364 S Ashland av, Chicago, Ill.
Tudor Boiler Mfg. Co., 715 E 3rd, Cincinnati, O.

## 7644— Lugs (Hinge)

Rieseck Iron Works (Wrought Steel for Steel Shutters), 1201 Metropolitan, Pittsburgh, Pa.

## 7645—Lugs (Rubber Covered)

Empire Tire & Rubber Co. ("Empire" for Motor Tires), Trenton, N. J.

## 7646— Lugs (Tank)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Baker Mfg. Co., Evansville, Wis.
Caldwell W. E. Co. ("Caldwell" Hoops, Lugs or Fasteners), Louisville, Ky.
Flint & Walling Mfg. Co., Kendallville, Ind.
Gillie Machine Co. (Round), Tonawanda, N. Y.
Gowanda Agricultural Works (Silo Lugs), Gowanda, N. Y.
Illinois Malleable Iron Co., 1801 Diversey pl, Chicago, Ill.
Imperial Bit & Snap Co., Racine, Wis.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
National Malleable Castings Co., 7706 Platt av, S E Cleveland, O.
Pacific Tank & Pipe Co., 318 Market, San Francisco, Cal.
Racine Tank Lug Co. (Malleable Iron, Round & Flat), Racine, Wis.
Snow T. W. Construction Co. ("Dupree"), 117 N. Dearborn, Chicago, Ill.
Stowell Co. The, S. Milwaukee, Wis.
Tecktonius E. C. Mfg. Co. (Malleable Iron, Also Kiln & Silo), Racine, Wis.
Wilmington Malleable Iron Works of Eastern Malleable Iron Co. (Aso Silo), Wilmington, Del.

## 7647— Lugs (Terminal)

American Pin Co., Waterbury, Conn.
Barkelew Electric Mfg. Co., Middletown, Ohio
Condit Electrical Mfg. Co. ("Shawmut"), 1st & L, Boston, Mass.
Connecticut Electric Mfg. Co. (Cast Copper), Bridgeport, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Cutter George Co., South Bend, Ind.
Dossert & Co., 242 W 41st, New York
Eby H. H. Mfg. Co., S. W., cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*

LUGS (TERMINAL)—continued

Electrical Engineers Equipment Co., 711 Meridian, Chicago, Ill.
Electrical Mfg. Co., 112 Hamilton av, Cleveland, O.
Fargo Mfg. Co., Poughkeepsie, N. Y.
Frankel Connector Co., 177 Hudson, New York
French Mfg. Co., Waterbury, Conn.
General Devices & Fittings Co., 803 W Madison, Chicago, Ill.
Livermore H. F. Co., Cummington, Boston, Mass.
Manhattan Electrical Supply Co., 17 Park pl, New York
Mendall Mfg. Co., New Bedford, Mass.
Metropolitan Engng. Co., 1250 Atlantic av, Brooklyn, N. Y.
Metropolitan Electric Mfg. Co., 14th, Long Island City, N. Y.
Patton MacGuyer Co., 31 Mathewson, Providence, R. I.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Sherman Mfg. Co., H. B., Battle Creek, Mich.
States Co., 19 New Park av, Hartford, Conn.
Trumbull Electric Mfg. Co., Plainville, Conn.
Trumbull-Vanderpoel Elec. Mfg. Co., Bantam, Conn.
Worcester Elec. Mfg. Co., Worcester, Mass.

## 7648— Lumber (Artificial)

**ALIGNUM FIREPROOF PRODUCTS CO., INC.**, So. River, N. J., & 356 Lexington av, New York
*See adv index at end of book*
Keyes Products Co., 120 B'way, New York

## 7648a— *Lumber (Balsa)

**AMERICAN BALSA CO., INC.** ("Balsalation"), 50 E 42nd, New York

## Lumber (Creosoted)

See Creosoting Works

## 7649— Lumber (Gypsum)

U. S. Gypsum Co. (Sheetrock Wall Board), 205 W Monroe, Chicago, Ill.

## 7650-1—Lumber (Kyanized)

Allen, Otis & Son Co., Lowell, Mass.
Brown Co., Portland, Me.

## 7652—Lumber Mfrs. (Cypress)

Abeles C. T. & Co., Little Rock, Ark.
Antrim Lumber Co., Wright bldg., St. St. Louis. Mo.
Ascension Red Cypress Co. (Ltd.) (Red), New Orleans, La.
Baker-Wakefield Cypress Co., Plattenville, La.
Baldwin Lumber Co., Ltd., Baldwin, La.
Barker-Bond Lumber Co., Inc., 405 Lexington av, New York
Basic Mfg. Co., Wilmington, Del.
Bowie Lumber Co. (Ltd.), Bowie, La.
Brownell-Drews Lumber Co. (Ltd.), Morgan City, La.
Burgan Wm. M., American bldg, Baltimore, Md.
Burton E. P. Lumber Co., Charleston, S. C.
Burton-Swartz Cypress Co. of Florida, Perry, Fla.
Butters Lumber Co., Boardman, N. C.
Byrne-Renfro Lumber Co., Kansas City, Mo.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Carter-Kelley Lumber Co., Manning, Tex.
Cotten Bros. Cypress Co. (Ltd.), Morgan City, La.
Cummings-Moberly Cypress Co., Moberly, La.
Cypress Lumber Co. (Lumber & Shingles, Tanks & Vats), 88 Broad, Boston, Mass.
Dibert, Stark & Brown Cypress Co. (Ltd.), Donner, La.
Dierks Lumber & Coal Co., Gates bldg, Kansas City, Mo.
Forest Lumber Co., R. A. Long bldg, Kansas City, Mo.
Gates Lumber Co., Wilmar, Ark.
Germain Co., Farmers Bank bldg, Pittsburgh, Pa.
Gilchrist-Fordney Co., Laurel, Miss.
Good Land Cypress Co., Hibernia bldg, New Orleans, La.
Hanson Albert Lumber Co. (Ltd.), Garden City, La.
Hebard-Cypress Co., Scranton, Pa.
Jeanerette Lumber & Shingle Co. (Ltd.), Jeanerette, La.
Juniper Lumber Co., Inc., Ivanhoe, N. C.
Kyle Lumber Co. (Ltd.), Franklin, La.
Lear W. H., 979 N Front, Phila., Pa.
Louisiana Cypress Lumber Co. (Ltd.) (Red), Harvey, La.
Luehrmann C. F. Hardwood Lumber Co., 150 Carroll, St. Louis, Mo.
Lutcher & Moore Cypress Lumber Co., (Ltd.), Lutcher, La.
Lyon Cypress Lumber Co. (Red Cypress), 208 S La Salle, Chicago, Ill.
Morley Cypress Co., Morley, La.
Napoleon Cypress Co. (Ltd.), Napoleonville, La.
Opdenweyer-Alcus Cypress Co., Sorrento, La.
Owl Bayou Cypress Co., Cincinnati, O.
Pawnee Land & Lumber Co., Pawnee, La.
Planters' Lumber Co. (Ltd.), Jeanerette, La.
Poitevent & Faure Lumber Co., L. & L. & G. bldg, New Orleans, La.
Ramos Lumber Co. (Ltd.), Ramos, La.
Riggs Cypress Co. (Ltd.), Patterson, La.
Ruddock-Orleans Cypress Co., New Orleans, La.
St. Bernard Cypress Co. (Ltd.), Arabi, La.
Salmen Brick & Lumber Co., Ltd., Whitney bldg, New Orleans, La.
Savannah River Lumber Co., Savannah, Ga.
Schwing Lumber & Shingle Co. (Ltd.), Plaquemine, La.
Seidel Julius Lumber Co., 2000 S Kingshighway, St. Louis, Mo.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Smith A. B. Lumber Co., Paducah, Ky.
**STEARNS A. T. LUMBER CO.**, 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Trimble Cypress Co., 508 Bell blk, Cincinnati, O.
Wausau Southern Lumber Co., Wausau, Wis.
Whitecastle Lumber & Shingle Co. (Ltd.), Whitecastle, La.
Wilbert's A. Sons Lumber & Shingle Co., Plaquemine, La.
Williams F. B. Cypress Co. (Ltd.), Patterson, La.
Wilson Cypress Co., Palatka, Fla.
Wilson & Cochran, Lottie, La.

## 7652a—Lumber (For Aeroplanes)

Acme Lumber & Shingle Co., 20 W Jackson blvd, Chicago, Ill.
Alcock John L. & Co., Munsey bldg, Baltimore, Md.
Chetham Lumber Co., 15 William, New York
Delatour A. J., 170 Cherry, New York
Dutton A. C., Lumber Corp., Springfield, Mass.
Mengel C. C. & Bros. Co., Louisville, Ky.
N. J. Veneer Co., Paterson, N. J.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Sheip & Vandegrift, 814 W Lawrence, Phila., Pa.

## 7653—Lumber Mfrs. & Wholesale Dealers

Star (*) denotes Manufacturers.
Dagger (†) denotes Inspectors & Shippers.
Section Mark (§) denotes Wholesale Dealers.

This is not an absolutely complete list of Lumber Manufacturers & Wholesalers. It is compiled for those who want to purchase lumber.

### ALABAMA.

AIMWELL—Aimwell Lumber Co. (Saw Mill)
AKRON—Bonham Lumber Co. (Saw Mill)
Dent R. K. (Saw Mill)
Sharp W. N. & Sons (Saw Mill)
ALEXANDER CITY—*Stevenson J. M.
ALICEVILLE—Summerville-Sanders Lumber Co. (Saw Mill)
ATMORE—*Carney W. M. Mill Co. (L. L. Yellow Pine)
AUTAUGAVILLE—*Whitewater Lumber Co.
BELLAMY—Allison Lumber Co. (Saw Mill)
BESSEMER—Edwards G. B. Lumber Co.
BIRMINGHAM—§Alabama Lumber Co.
*American Lumber & Export Co. (Yellow Pine)
Barnett Lumber Co.
†Iron City Lumber Co.
*§Jefferson Lumber Co.
*Jenkins Lumber Co. (Shingles, Lath & Planing Mill)
*Kaul Lumber Co. (Saw Mill, Yellow Pine, etc)
*Lathrop Lumber Co. (Yellow Pine)
Long V. W. Lumber Co. (Yellow Pine)
Standard Lumber Co.
BRANTLEY—*Bently Lumber Co.
BRENT—*Cahaba River Lumber Co.
BREWTON—Lovelace Lumber Co.
*McDavid Veneer Co.
*Miller T. R. Mill Co.
BUHL—*Deal Lumber Co. (Saw & Planing Mill)
BURNSVILLE—Blessed G. A. Lumber Co. (Saw & Planing Mill)
CARBON HILL—Guthrie B. B. (Saw Mill)
CARROLLTON—*Beasley & McCafferty Lumber Co.
Kilpatrick S. F. (Saw Mill)
Owings Lumber Co. (Saw & Planing Mills
CENTERVILLE—Belcher W. E. (Saw Mills)
CHAPMAN—*Smith W. T. Lumber Co. (Saw & Planing Mills)
COAL FIRE—*Deal-Curtiss Lumber Co., Inc. (Saw & Planing Mills)
COFFEEVILLE—Nichols J. W. (Saw Mills)
COHASSET—*Foshee J. M. (Lumber & Saw Mill)
COXHEATH—*Coxheath Lumber Co. (Saw & Planing Mills)
CREOLA—Hatter T. A. & Son (Saw Mill)
EOLINE—Read D. A. (Saw Mills)
EPES—*Parrish Geo. T. Lumber Co. (Saw & Planing Mills)
EUTAW—Stuckey S. F. (Saw Mills)
EVA—Stewart, Wiley (Saw Mill)
EVERGREEN—King L. D. Lumber Co.
Shoemaker J. M. & Son (Saw Mills)
FALCO—*McGowin-Foshee Lumber Co. (Saw & Planing Mill)
FAYETTE—*Brown W. P. & Sons Lumber Co. (Saw Mill)
Southern Lumber Co.
FERNBANK—McDaniel J. L. Saw Mills
FLORENCE—§Schiff W. J. Lbr. Co. (Saw & Planing Mills)
FORT DEPOSIT—Norman M. R. (Saw Mills)
FOSHEE—Alger-Sullivan Lumber Co. (Saw Mill)
FULTON—*Scotch Lumber Co. (Yellow Pine)
GENEVA—*Geneva Mill Co. (Saw & Planing Mills)
GORDO—Carver J. M. (Saw Mill)
GUIN—*Kenney Basil E. Lumber Co. (Band & Planing Mill)
HEFLIN—Gaston S. B. (Saw Mill)
HULL—*Big Sandy Lbr. Co. (Saw & Planing Mill)
HUNTSVILLE—*Huntsville Lumber & Mfg. Co.
JACKSON—McGowen W. G. (Saw Mill)
Zimmerman C. W. Mfg Co. (Saw Mill)
JASPER—§Cleveland Lbr. Co. (Saw & Planing Mill)
KENNEDY—Holloman J. W., Saw & Planing Mill
KNOXWOOD—*Black Warrior Lumber Co. (Band & Planing Mill)
LAMISON—*Frost-Sibley Lumber Co.
LATHROP—*Lathrop Lumber Co. (Saw & Planing Mills)
LOCKHART—*Jackson Lumber Co. (Yellow Pine)
LUVERNE—Beal J. A. (Saw Mill)
McSHAN—*Melrose Lumber Co. (Saw & Planing Mill)
MAGAZINE—*Blacksher Co.
MANCHESTER—*Manchester Sawmills
MARION—Moundsville Lumber Co. (Saw Mill)
MELBOURNE—Crimm Bros. Lumber Co. (Saw & Planing Mill)
MOBILE—Barrett J. S. Lumber Co.
*Blacksher Co. (Yellow Pine & Saw Mill)
*Cameron J. D .& Son Co. (Lumber & Shingles)
Crichton Lumber Co. (Planing Mill)
*Gulf Shingle Co.
Hunter, Benn & Co. (Exporters)
*Lindsey Lumber Export Co.
Magazine Hardwood Sawmill Co.
Martin Taylor (Lumber & Timber)
§Paterson & Edey Lumber Co., Inc.

*Robinson Land & Lumber Co. (Long Leaf Yellow Pine), Mills: Chicora, Miss.
*Sheip Jerome H., Inc. (Cigar Box Lumber)
*Vaughan H. C. Lumber Co. (Planing Mill)
MONTGOMERY—§Alabama Lumber Co. (Lath & Shingles)
*§Betty & Sons
§Flowers E. P. & Co.
§Southern Pine Lumber Co. (Yellow Pine)
§Vesuvius Lumber Co.
MOUNDVILLE—Howell J. E. (Saw Mill)
MOUNT VERNON—Mobile River Sawmill Co. (Planing Mill)
NADAWAH—*Nadawah Lbr. Co. (Saw & Planing Mill)
NEW DECATUR—Payne E. C. Lumber Co.
NORTHPORT—*Northport Lumber Co. (Saw & Planing Mill)
OAK GROVE—*Davis M. L. (Yellow Pine)
ORRVILL—Ellis L. P. & Son (Saw Mill)
PINE BELT—*Berry Reeves Lumber Co. (Planing Mill)
POLEY—*Miller Brent Lumber Co.
POLLARD—Lindsey Lumber Co.
PRENTICE—*King Lumber Co.
RAMER—Mills A. D. (Saw Mill)
REFORM—Carloss Bros. & Co. (Saw Mill)
Harper M. I. (Saw Mill)
Graham & Cummins (Saw Mill)
*Holiday Lumber Co.
Jennings J. B. (Saw & Planing Mill)
Jones Lumber Co. (Saw Mill)
RIVER FALLS—§Horse Shoe Lumber Co. (Saw & Planing Mill)
SAMSON—*Baker Thos. N. Lumber Co.
SAWYERVILLE—*Brownlee-Lowry Co.
SELMA—*§Reid Lumber Co.
SHORTLEAF—*Mitchell W. G. Lumber Co.
*Wittel E. S. & Son
SILAS—*Choctaw Lumber Co.
STOCKTON—*McMillan Bros.
SULLIGENT—*§Kentucky Lumber Co.
SUNFLOWER—*Laubenthal Lumber Co.
SYLACAUGA—*Wisconsin-Alabama Lum-
TALLADEGA—*Jackson-Tinney Lumber Co. (Saw & Planing Mill)
ber Co. (Saw & Planing Mill)
TALLASSEE—*Tallapoosa Lumber Co. (Saw Mill)
TUSCALOOSA—Copeland Bros Realty Co. (Saw Mill)
*Crabtree Lumber Co. (Saw Mill)
Henderson Land & Lumber So. (Saw & Planing Mills)
*Kaul Lumber Co.
Parker D. O. (Saw Mills)
Parker & Noel (Saw Mill)
Samuel Lumber Co. (Saw & Planing Mills)
VINEGAR BEND—*Vinegar Bend Lumber Co. (Yellow Pine)
VREDENBURGH—*Vredenburgh Sawmill Co.
WADLEY—Marbury Lumber Co. (Saw Mill)
WAGAR—*McClure Lumber Co. (Yellow Pine)
WARD—*Mitchell-Hughes Lumber Co.
WITUMPKA—*Lancaster-Johnson Lumber Co.
YORK—*Hodges R. R.
§Rumley C. & G (Saw Mills)
Wallace Lumber Co.

## ARIZONA.

FLAGSTAFF—*Arizona Lumber & Timber Co.
Flagstaff Lumber Co. (Saw & Planing Mill)
Greenlaw Lumber Co. (Saw Mill)
GLENDALE—Peoples Standard Lumber Co.
NOGALES—§Roy & Titcomb
PHOENIX—Ryder H. W. (Saw Mill)
Valley Lumber Co.
PRESCOTT—§Head Lumber Co.
TUCSON—Corbett J. Knox Lumber Co.
Tucson Lumber Co.
WILLIAMS—Saginaw & Manistee Lumber Co.

## ARKANSAS.

ALGOA—*Stringer R. L. (Saw Mill)
ALLENE—*Wright C W (Saw & Planing Mill)
ALLPORT—Brown Bros & Carnahan (Saw Mill)
ARKADELPHIA—*Arkadelphia Milling Co.
*Milliken, James Hardwood Lumber Co. (Saw Mill)
ARKANSAS CITY—Grayling Lumber Co. (Saw Mill)
Thane Lumber Co. (Saw & Planing Mill)
ARMOREL—*Wilson, Lee & Co. (Saw Mill)
BEARDEN—*Cotton Belt Lumber Co. (Yellow Pine)
Williams J. L. & Son (Saw Mill)
BEIRNE—Clark J. G. (Saw Mill)
BIGELOW—*Fourche River Lumber Co. (Long Leaf Yellow Pine)
BLISSVILLE—Bliss-Cook Oak Co. (Band Sawed White & Red Oak)
BLYTHEVILLE—*Chicago Mill & Lumber Co. (Branch of Chicago, Ill.)
*East Arkansas Lumber Co. (Branch of Paragould)
BRASFIELD—Brown W. P. & Sons Lumber Co. (Saw Mill)
BRINKLEY—Brinkley Car Works & Mfg. Co. (Saw & Planing Mills)
BROOKINGS—*Quellmalz Hy. Lumber & Mfg. Co. (See St. Louis, Mo.)
BURDETTE—§Three States Lumber Co. (Saw & Planing Mill)
CALICO ROCK—Wood James H. (Saw & Planing Mills)
CALION—*Forrest City Box Co. (Saw Mill)
CAMDEN—*Tate & Fearing (Saw Mill)
CARGILE—*Loutre Lumber Co. (Shingles)
CROSSETT—*Crossett Lumber Co. (Yellow Pine)
DELIGHT—*Delight Lumber Co.
DE QUEEN—*Missouri Lumber Co. (Saw & Planing Mill)
DERMOTT—Dermott Land & Lumber Co.
Fee-Crayton Hardwood Lumber Co. (Oak, Ash, Hickory, Walnut, etc.)
DIERKS—Dierks Lumber & Coal Co. (Saw Mill)
EAGLE MILLS—*Eagle Lumber Co. (Yellow Pine)
EARL—*Crittenden Lumber Co.
§*Whitman C. T. Lumber Co. (Saw Mill)
ELAINE—Mosby H. W. (Saw Mill & Gin)
EL DORADO—*Eldorado Lumber Co.
Eldorado Sawmill Co.
ELLIOTT—Arnold J. T. (Saw & Planing Mill)
FAYETTEVILLE—Northwest Arkansas Lbr. Co.
FORDYCE—Doster & Hamilton (Yellow Pine)
Fordyce Lumber Co. ("Yellow Pine)
*Hampton Stave Co.
FORREST CITY—Forrest City Box Co.
FORT SMITH—*Dyke Bros.
FURTH—Brown Bros. & Carnahan (Saw Mill)
GLENWOOD—Clark A. L. Lumber Co. (Yellow Pine)
GRAYSONIA—*§Ozan Graysonia Lumber Co. (Saw & Planing Mills)
HAWES—Davis E. E. (Saw Mill)
HELENA—Denison J. W. Co. (Saw Mill)
Fathauer Theo. Co. (Saw Mill)
§Helena Hardwood Lumber Co. (Saw Mill)
*Kurz-Downey Co. of Arkansas (Saw & Planing Mill)
McDonald Bros. (Hardwood)
*Penrod-Jurden & McCowen (Saw Mill)
Sampson T. H. (Amberwood)
HETH—*Bonner J. H. & Sons (Saw Mill)
HOPE—*Hope Lumber Co. (Yellow Pine)
HOT SPRINGS—§Missouri Lumber Co. (Saw & Planing Mill)
HUNTER—Southern Drainage & Lumber Co. (Saw Mill)
HUTTIG—*§Union Saw Mill Co. (Saw & Planing Mill)
JENNIE—Jones & Dunn (Saw Mill)
JONESBORO—§Portia Lumber Co. (Saw & Planing Mills)
JUNCTION CITY—*Cornie Stave Co.
KELSO—Jerkins Bros. (Saw Mill)
KENSETT—Doniphan Lumber Co. (Yellow Pine) (Office, Kansas City, Mo.
KERLIN—Davis J. L. & D. M. (Saw & Planing Mills)
KING—*§King Sawmill Co. (Saw & Planing Mills)
LEWISVILLE—*Burton Lumber Co. (Saw & Planing Mills)
LITTLE ROCK—*Abeles C. T. & Co. (Yellow Pine, Cypress Lumber, Moulding, etc.)
*Arkansas Cypress Shingle Co. (Shingles)
Arkansas Soft Pine Bureau (Arkansas Soft Pine Satin-Like Interior Trim)
§*Brown & Hackney, Inc. (Saw Mill)
*Ferguson C. E. Saw Mill (Yellow Pine & Red Cypress)
Little Rock Lumber & Mfg. Co. (Saw Mill)
*Neimeyer A. J. Lumber Co.
McNEIL—*Graves Bros. Lumber Co. (Saw & Planing Mills)
MADISON—*Wheeler J. W. & Co. (Hardwood)
MALVERN—Ark. Land & Lumber Co. (Yellow Pine & Ark. Soft Pine)
*Moline Lumber Co. (Saw & Planing Mills)
Wisconsin & Arkansas Lumber Co. (Yellow Pine & Soft Pine)
MARIANNA—*Kershaw W. F.
*Miller Lumber Co.
MARKED TREE—§Chapman & Dewey Lumber Co. (Saw Mills)
*Pierce Lumber Co. (Saw Mill)
MENA—*Watkins Lumber Co.
MILLVILLE—*Freeman-Smith Lumber Co. (Yellow Pine)
*McIntyre Lumber Co. (Southern Hardwood)
NASHVILLE—*Allen Lumber & Box Co. (Saw & Planing Mills)
NEWPORT—Newport Lumber Co.
OLIVER—Thomas-Huycke Co. (Yellow Pine)
PARAGOULD—*East Arkansas Lumber Co.
PARKIN—Lansing Co. (Saw & Planing Mills)
Northern Ohio Cooperage & Lumber Co. (Saw Mill)
PERLA—*Malvern Lumber Co. (Yellow Pine)
PINCKNEY—*Columbia Hardwood Lumber Co. of Arkansas (Saw Mill)
PINE BLUFF—Arkansas Short Leaf Lbr. Co, (Saw & Planing Mills)
*McIntyre J. F. & Sons (Southern Hardwoods)
PLAINVIEW—*Fort Smith Lumber Co. (Short Leaf Yellow Pine)
PRESCOTT—Ozan Lumber Co. (Yellow Pine)
PROCTOR—*Brown G. O. & Co. (Saw Mill)
READER—Valley Lumber Co. (Ark.), (Soft Pine, Yellow Pine)
ROSBORO—*Caddo River Lumber Co. (Saw & Planing Mills)
SMITHTON—Clark County Lumber Co. (Saw Mill)
STAMPS—*Bodcaw Lumber Co. (Yellow Pine)
STUTTGARTT—Hammons Land & Lumber Co. (Saw Mill)
TEXARKANA—Buchanan Wm. (Lumber Broker)
*Four States Lumber Co.
Grant Timber & Mfg. Co.
*Southern Pine Lumber Co. (Yellow Pine Mixed Cars a Specialty)
THORNTON—*Stout Lumber Co. ("Yellow Pine)
TRUMAN—Poinsett Lumber & Mfg. Co. (Saw Mill)
URBANA—*Junction City Lumber Co. (Saw & Planing Mills)
WABASH—§*Howe Lumber Co. (Saw & Planing Mills)
WALDRON—Scott County Land & Lumber Co. (Saw & Planing Mills)
WALDSTEIN—Waldstein Lumber Co. (Saw Mill)
WALNUT RIDGE—Muse R. L. (Saw Mill)
WARREN—*Arkansas Lumber Co. The (Pine & Hardwood)
*Bradley Lumber Co., The (Yellow Pine)
*Southern Lumber Co. (Yellow Pine)
Warren Stave Co. (Saw Mill)
WESSON—*Edgar Lumber Co. (Yellow Pine)
WILLOW—*Liberty Lumber Co. (Saw & Planing Mills)
WILMAR—*Gates Lumber Co. (Yellow Pine, Lumber & Cypress Shingles),
WILSON—*Wilson Lee & Co. (Saw Mill)
WOMBLE—Black Springs Lumber Co. (Saw Mills)
WYNNE—Wynne Stave Co. (Staves).

## CALIFORNIA.

ALBION—*Albion Lumber Co. (Redwood Lumber, Shingles & Ties)
ANTIOCH—Antioch Lumber Co. (Saw & Planing Mills)
AUBERRY—§Dawn Lumber Co. (Saw Mill)
**BAKERSFIELD—Union Lumber Co.**
BAYPOINT—Smith C. A. Lumber Co. Planing Mill)
**BERKELEY—*Bruce Lumber & Mill Co.**
§Hunter Lumber Co.
BLAIRSDEN—Davies Box & Lumber Co. (Saw & Planing Mills)
BODEGA—Joy T. B. (Saw Mill)
BOULDER CREEK—California Timber Co. (Saw Mill)
Southern Lumber Co. (Saw Mill)
BRAY—Bray Lumber & Box Co. (Saw & Planing Mills)
Moon-Williams Lumber Co. (Saw Mill)
BULWINKLE—*Little River Redwood Co. (Redwood) (See No. Tonawanda, N. Y.)
CAMINO—Danaher R. E. Co. (Saw & Planing Mills)
**CASPAR—*Caspar Lumber Co. (Redwood Ties & Shingles)**
CASTELLA—§Burns M. A. Lumber Co. (Saw & Planing Mills)
**CHICO—*Diamond Match Co.**
CLIO—Clio Lumber Co. (Saw & Planing Mills)
CLOVIS—Fresno Flume Lumber Co. (Saw & Planing Mils)
**DIAMOND SPRINGS—California Door Co.** (Saw & Planing Mills)
DORRIS—Dorris Lumber & Box Co. (Planing Mills)
Evans Creek Lumber Co. (Saw Mill)
Welter Lumber Co. (Saw Mill)
DUNCANS MILLS—*Duncan's Mills Land & Lumber Co.
ELK—Goodyear Redwood Co. (Saw & Planing Mills)
EUREKA—Bayside Lumber Co.
*Burns M. A. Mfg. Co. (Saw Mill)
***Dolbeer & Carson Lumber Co. (Redwood Lumber & Shingles)**
Holmes Eureka Lumber Co. (Redwood) (Saw & Planing Mills)
***McKay & Co. (Redwood Lumber & Shingles)**
FALK—Elk River Mill & Lumber Co. (Saw & Planing Mills)
FORT BRAGG—Glen Blair Redwood Co. (Saw & Planing Mills)
Union Lumber Co. (Redwood Lumber, Shingles & Ties)
FRESNO—Fresno Lumber Co.
*Hollenbeck Bush Planing Mill Co.
Valley Lumber Co.
GAZELLE—Schmitt Bros. (Saw Mill)
GILROY—*Whitehurst & Hodges
GRASS VALLEY—Fowler Charles S. (Saw Mill)
GUALALA—American Redwood Co. (Saw Mill)
HALF MOON BAY—Borden Chas. W. (Saw Mill)
Hatch A. S. Lumber Co. (Saw & Planing Mills)
IGERNA—Penoyar Lumber Co. (Saw Mill)
KORBEL—Northern Redwood Lumber Co.
LA MOINE—La Moine Lumber & Trading Co. (Saw & Planing Mills)
LOS ANGELES—§Blinn L. W. Lumber Co.
Consolidated Lumber Co.
Engstrum F. O. Co. (Planing Mill), 500 Seaton
§San Pedro Lumber Co.
§Stanton E. J. & Son
§Western Hardwood Lumber Co.
§Wood E. K. Lumber Co.
Woodlead Lumber Co. (Planing Mill)
McCLOUD—McCloud River Lumber Co. (Saw & Planing Mills)
MADERA—Madera Sugar Pine Co. (Saw & Planing Mills)
**MENDOCINO—*Mendocino Lumber Co.**
MERCED—Yosemite Lumber Co. (Saw & Planing Mills)
**METROPOLITAN — *Metropolitan Redwood Lumber Co. (Redwood Shingles, etc)**
MOHAWK—Mohawk Lumber Co. (Saw & Planing Mills)
MOUNT HEBRON—Johnson-Pollock Lumbre Co. (Saw & Planing Mills)
Mt. Hebron Lumber Co. (Saw Mill)
NAVARRO—Navarro Lumber Co. (Saw & Planing Mills)
NORTH FORK—Peckinpah Lumber Co. (Saw Mills)
NORTHWESTERN — Northwestern Redwood Co. (Saw & Planing Mills)
OAKLAND—*Coos Bay Lumber Co.
Strable Mfg. Co. (Hardwood Lumber Hardwood Flooring & Veneered Panels only), 511 1st
§Sunset Lumber Co.
OCCIDENTAL—*Meeker M. C.
OROVILLE—*Swayne Lumber Co. (Box shooks, Saw & Planing Mills)
PASADENA—Blinn L. W. Lumber Co.
Kerckhoff-Cuzner Lumber Co.
PESCADERO—Campbell Redwood Lumber Co. (Saw Mill)
PITTSBURGH — Redwood Manufacturers Co. (Redwood Lumber, Air Dried)
**PLACERVILLE—*Blair J. & J. Lumber Land Co.**
PORTOLA—Feather River Lumber Co. (Saw & Planing Mills)
POINT ARENA—*White L. E. Lumber Co. (Redwood, Sugar Pine & Cal. White Pine.)
REDDING—Keen C. C. (Saw Mill)
SACRAMENTO—Friend & Terry Lumber Co.
*Homestead Lumber Co.
*Sacramento Lumber Co.
SAN BERNARDINO—Suverkrup John
SAN DIEGO—Benson Lumber Co. (Saw & Planing Mills)
Russ Lumber & Mill Co.
§San Diego Lumber Co. (Redwood Lumber & Shingles)
SAN FRANCISCO—Acme Lumber Co., 6th & Channel
Albion Lumber Co. (Redwood Lumber), 582 Market
§Byxbee & Clark Co. (Redwood & Pine), Balboa bldg
California-Oregon Lumber Co., 112 Market
**§California Sugar & White Pine Co., 1st National Bank bldg**
**Caspar Lumber Co., Hobart bldg**
Christian Lumber Co., 1950 3rd
§Davies & Fehon, Ltd., 214 Front
*Dieckmann Hardwood Co. (West Coast Mahogany, Spanish Cedar,) 350 Beach
Dodge E. J. Co., 16 California
*Doe Frank P. Lumber Co., 16 California
*Dolbeer & Carson Lumber Co., Redwood Lumber & Shingles), Merchants' Exch. bldg
§Dollar Robert Co., 230 California
**Duebel Chas. & Co. (Planing Mill), 224 1st**
Duncan's Mills, Land & Lumber Co., 112 Market
*Federal Mill Co. (Saw Mill)
§Fifield E. L., Monadnock bldg
Gardiner Mill Co., 16 California
§Glen Blair Redwood Co., Monadnock bldg
*Gray's Harbor Commercial Co. (Fir, Spruce & Red Cedar Lumber & Shingles), Ft. of 3rd
Great Western Lumber Co., 268 Market
*Hammond Lumber Co., 260 California
§Hammond W. A. Co., 112 Market
**§Hanify J. R. Co. (Redwood), 24 Market**
§Hendrickson Lumber Co. (Pine & Redwood)
Higgins Lumber Co., 423-6 112 Market
*Hobbs, Wall & Co. (Redwood Lumber), Fife bldg.
§Hooper Lumber Co., 17th & Illinois
§Little River Redwood Co., 112 Market
***Loma Prieta Lumber Co., New Bank bldg**
§McCullough Lumber Co., 112 Market
§McFaul-Perkins Co. (Redwood & Pine), Chronicle bldg
McKay & Co. (Redwood Lumber & Shingles), 311 California
MacArthur & Kauffman (Red Cedar & Pine), 461 Market
*Mendocino Lumber Co., Crocker bldg
§Nelson Chas. Co. (Redwood, Pine Shingles, Posts, etc), 230 California
Niehaus E. F. & Co. (Hardwood), 564 Brannan
**§Olson & Mahoney Lumber Co., 5th & Channell**
***Pacific Lumber Co. (Redwood, Pine & Shingles), Hobart bldg**
***Pope & Talbot (Lumber, Timber, Piles, Spars, etc), ft of 3rd**
**Port Blakeley Mill Co., 544 Market**
*Puget Mill Co. (Fir Lumber, Spars & Piles), Mills: Port Gamble, Wash., & Port Ludlow, Wash
§Redwood Export Co., 260 California
**Redwood Mfrs. Co. (Redwood), Hobart bldg**
**RICHARDS HARDWOOD LUMBER CO.**. (American & Australian Hardwood Lumber, Ship Timber, etc.), 480-486 Brannan
Richardson Co., 320 Market
Sacramento Timber & Box Co., 268 Market
**St. Helens Lumber Co. (Fir)**
§San Diego Lumber Co. (Redwood Lumber & Shingles)
§San Pedro Lumber Co., 110 Market
§Schouten J. W. & Co. (Redwood, Pine Lumber & Shingles), 738 Bryant
§Sierra Nevada Wood & Lumber Co. (Pine, Spruce & Fir)
**Simpson Lumber Co., 112 Market**
§Slade S. E. Lumber Co. (Pine & Spruce), 112 Market
**§Spanish Peak Lumber Co. (Pine & Spruce), 1st Nat'l Bank bldg**
**§Stockton A. L. Lumber Co., Merchants, 6130 Mission**
Tacoma Mill Co. (Douglass Fir, Oregon Pine, Plank Timber, Ship Plank, Flooring, Rustic Ceiling, Lath, Pickets, Staves, Spars, Piling, Red Cedar Shingles, etc), 310 Sansom. Works, Tacoma, Wash.
**§Truckee Lumber Co. (of S. F.), First National Bank bldg**
**§Union Lumber Co. (Ties, Poles, Pine & Redwood Piles, Spars, etc), Crocker bldg**
**§Valley Lumber Co. 110 Market**
Vance J. W. & Co. (Redwood & Fir), 214 Front
Wendling Nathan Co., 110 Market
**§White Bros. (Hardwood Importers & Dealers), 5th & Brannan**
**§White L. E. Lumber Co. (Redwood Lumber, Ties, Posts & Tan Bark), Balboa bldg**
Wilson Bros. & Co., 110 Market
***Wood E. K. Lumber Co. (Fir & Spruce), 112 Market**
SANGER—*Sanger Lumber Co.
SAN JOSE—*Chase S. H. Lumber Co. (Lumber & Saw Mill)
*Glenwood Lumber Co. (Lumber & Mill Work)
Hubbard & Carmichael Bros. (Lumber)
*Santa Clara Valley Mill & Lumber Co. (Lumber & Mill Work)
SANTA ANA—Griffith Lumber Co.
Pendleton Lumber Co.
SANTA BARBARA—*Union Mill Co. (Planing Mill)
SANTA CRUZ—*Hihn F. A. Co.
Loma Prieta Lumber Co. (Saw & Planing Mills)
*San Vincent Lumber Co. (Saw & Planing Mills)
SCOTIA—*Pacific Lumber Co. (Redwood, Pine & Shingles)
SLOAT—Sloat Lumber Co. (Saw & Planing Mills)
SONORA—*Standard Lumber Co.
STIRLING CITY—Diamond Match Co., (Saw & Planing Mills)
Thatcher F. M. (Saw & Planing Mills)
SUSANVILLE—*Diamond Mountain Lumber Co. (Saw & Planing Mills)
TUALUMNE—West Side Lumber Co. (Saw & Planing Mills)
WEED—Weed Lumber Co. (Saw & Planing Mills)
WESTPORT—Pollard Lumber Co.
WESTWOOD—Red River Lumber Co. (California White & Sugar Pine, Cut Sash & Dover Stock & Box Shooks)
WILLITS—Irvine & Muir Lumber Co. (Saw Mill)
WILMINGTON—§Consolidated Lumber Co.

## COLORADO.

ARBOLES—Candelaria-Fowles Timber Co. Co. (Western Soft Pine)

COLORADO SPRINGS—Crissey & Fowler Lumber Co.,
Newton Lumber & Mfg. Co.
DENVER—§Continental Tie & Lumber Co.
English R. W. Lumber Co.
Farrar & Guy, 312 Quincy B
Feather River Lumber Co., Chamber of Commerce bldg
*Fleming Bros. Lumber Co.
Hallack & Howard Lumber Co.
†McPhee & McGinnity Co.
§Oregon Lumber Co.
Pagosa Lbr. Co.
Salzer B. F. Lumber Co., Idaho c Virginia av
FRASER—‡Stevens-Barr Timber & Lumber Co. (Saw & Planing Mills)
GREELEY—Mayher Wm. Lumber Co.
GUNNNISON—Edner Lumber Co. (Saw & Planing Mills)
PAGOSA SPRINGS—§Pagosa Lumber Co.
PUEBLO—§King Investment & Lumber Co.
†Newton Lumber & Investment Co.
STEAMBOAT SPRINGS—Sarvis Timber Co. (Saw & Planing Mills)
TABERNASH—Tabernash Lumber Co. (Saw & Planing Mills)
TRINIDAD—Davis O. L. Lumber Co.

## CONNECTICUT.

AVON—Woodford H. W.
BRIDGEPORT—*§Burritt A. W. Co.
Miller Frank Lumber Co. (Saw Mill)
Park City Lumber Co.
West End Lumber Co.
HARTFORD—Capitol City Lumber Co.
*Conn. Valley Lumber Co.
§Harlow Lumber Co.
§Hartford Lumber Co. (Pine, Hardwood, Shingles, etc)
Taylor Edwin Lumber Co.
HAZARDVILLE—Bridges Amos D. Sons (Saw & Planing Mills)
MERIDEN—Bishop Dexter L. Co. (Saw Mills)
§Lyon & Billard Co.
NEW HAVEN—§Connecticut Box Co. (Lumber & Shooks, etc)
§De Forest & Hotchkiss Co., 115 Water
Fogg Ezra D. Co.
Hartshorn F. E.
§Lampson Lumber Co. (Spruce, Southern Pine, Cypress)
*New Haven Saw Mill Co. (Southern Pine)
NEW LONDON—§Chappell F. H. & A. H. Co.
*Raymond & Alexander Lumber Co. (Saw Mill, Ties, Poles, Timber, etc)
NORWICH—Potter A. L. & Co. (Saw Mill)
STAMFORD—§Getman & Judd Co.
TORRINGTON—*Wadhams F. L. & Sons (Saw Mills)
WALLINGFORD — Wallingford Lumber Co.
WATERBURY—Brass City Lumber Co.
City Lumber & Coal Co., 590 W Main
§Tracy Bros. Co.
Waterbury Lumber Co., 107 Meadow
WESTFORD—Barlow A. G. & Son
WEST HAVEN—Richards H. H. Lumber Co.
WILLIMANTIC—Hillhouse & Taylor
WINSTED—*Bronson Bros.
Burwell J. C.
Tiffany & Pickett Co. (Saw Mill)

## DELAWARE.

DAGSBORO—Gray E. W. Lumber Co.
LEWES—Arnell Robt.
Ingram A. P.
MILFORD—Milford Lumber Co.
NEW CASTLE—Eliason J. T. & L. E.
WILMINGTON—Basie Mfg. Co.
§Bush J. D. & Co. (Yellow Pine, etc)
§Canby Hy. M. (White & Yellow Pine), Hardwoods, etc)
*Catlin R. H. Co.
Corbin R. H.
§Cranston John A. Lumber Co.
Diamond Lumber Co.
*Kent Lindley C. Co.
Simmons S. G. & Bros. Co.

## DISTRICT OF COLUMBIA.

WASHINGTON—*Johnson & Wimsatt (N. C. Pine), 1212 Water, S W

## FLORIDA.

APALACCHICOLA—Cypress Lumber Co. (Saw & Planing Mills)
APOPKA—*Consumers Lumber & Veneer Co. (Saw & Crate Mills)
AVERTINA—§*Lindsay Lumber Co. (Saw & Planing Mills)
BONIFAY—*Babois Lumber Co. (Saw & Planing Mills)
BOYD—*Weaver-Loughridge Lumber Co.
BROWNVILLE—Russ Z. (Saw Mill)
CARYVILLE—*Henderson-Waits Lumber Co. (Saw & Planing Mills)
CENTRALIA—*Central Cypress Co.
CENTURY—*Alger-Sullivan Lumber Co. (Yellow Pine)
CITRA—Williams J. R. (Saw Mill)
DE FUNIAK SPRINGS—*Beach, Rogers & Co.
Walton Land & Timber Co.
DOWLING PARK—Park Lumber Co. (Saw Mill)
DUPONT—*Dupont Land Co.
EAST PALATKA — *Browning Lumber Co. (Saw Mill)
EASTPORT—*Brooks-Scanlon (Saw & Planing Mills)
EHREN—Ehren Pine Co. (Saw Mill)
ENVILLE—Denton Lumber Co. (Southern Yellow Pine)
EUGENE—*§Wade Lumber Co. (Saw Mill)
FERNANDINA—
*Florida Pitch Pine Lumber Co.
FREEPORT—McGaskill J. J. Co. (Saw Mills)
GAINESVILLE—*Brown Bros. Co.
*Lumber Mfg. Co. (Saw Mill)
*Phifer W. B. Co. (Saw Mill)
GLENWOOD—* Bond Lumber Co. (Saw Mills)
GREEN COVE SPRINGS—Alworth F. C. (Saw Mill)
GREER—*Greer J. L. (Saw Mill)
GROVELAND—Edge-Dowling Lumber Co. (Saw Mill)
HAMPTON SPRINGS—Rock Creek (Lumber Co. (Southern Yellow Pine)
HELEN—*Helen Lumber Co. (Saw & Planing Mills)
HOPKINS—Union Cypress Co. (Cypress)
HOSFORD—*Graves Bros. Co. (Saw & Planing Mills, & Yellow Pine)
INVERNESS—*West & Reaves Lumber Mills
JACKSONVILLE — Corse, Montgomery (Shingle Mill)
Cummer Lumber Co. (L. L. Yellow Pine)
*Florida Pine Co.
Gress Mfg. Co.
Hirsch Lumber Co.
*Hunter Co. (Yellow Pine)
Sax Alfred R. Lumber Co. (Branch of New York City)
*Sizer Robt. R. & Co. (Branch of New York City)
LAKE HELEN—*Bond E. W. Co. (Saw Mill)
LAKEWOOD—*Britton Lumber Co. (Yellow Pine)
LEBANON—*King R. M. Lumber Co. (Saw Mill)
LIMESTONE—Limestone Mfg. Co., (Saw Mill)
LIVE OAK—Sttandard Lumber Co. (Southern Yellow Pine & Cypress)
LONGWOOD—*Dinkel J. S. (Saw Mill)
LOUGHMAN—Everglade Cypress Co. (Saw & Planing Mills)
LUKENS—*Tilghman Cypress Co. (Saw & Planing Mills)
MADISON—*West Yellow Pine Co. (Saw & Planing Mills)
MANATEE—Manatee Lumber Co. (Saw & Planing Mills)
MARIANA—*Jarratt Lumber Corp. (Saw Mill)
MARTIN—*Martin Crate Co. (Saw Mill)
MAYO—Elsberry Bros. & Miller Saw Mill)
MAYTOWN—Maytown Lumber Co. (Saw Mill)
MEREDITH—McEachern-McNair Lumber Co. (Saw Mill)
MIAMI—Lindsay Lumber Co.
MILLVIEW—Perdido Lumber Co. (Saw Mill)
MOLINO—Jacobi Lumber Co. (Saw & Planing Mills)
MORRISTON—*Morrison D. B. Co.
MUSCOGEE—*Southern States Lumber Co. (Yellow Pine)
NOCATEE—*King Lumber & Mfg. Co.
NOMA—*Alabama & Florida Lumber Co. (Saw Mill)
OCALA—*Ocala Mfg. Co.
ODESSA—Lyon Lumber Co. (Saw Mill)
PACE—*Escambia Mill Co. (Saw Mill)
PALATKA—*Porter Bros. (Saw & Planing Mills)
*Selden Cypress Door Co. (Cypress)
*Wilson Cypress Co. (Cypress Lumber, Siding, Shingles, etc)
PAXTON—*Florala Saw Mill Co. (Saw & Planing Mills)
PENSACOLA—*Baars H. & Co. (Pitch Pine)
*Duval Lumber Co. (Saw Mill)
*Nobles R. E. & Son (Shingle Mills)
*Pensacola Lumber & Timber Co. (Pitch Pine Exporters)
Runyan & Co. (Saw Mill)
*Southern States Lumber Co.
PERRY—Burton-Swartz Cypress Co. of Fla. (Cypress Lumber & Shingles)
PLANT CITY—Warnell Lumber & Veneer Co.
PORT ST. JOE—Calhoun Timber Co. (Saw Mill)
PRINCETON—Drake Lumber Co. (Saw Mill)
RODMAN—*Rodman Lumber Co. (Saw Mill)
SAPP—*Goethe Lumber Co. (Saw & Planing Mills)
SORRENTO—Battle Lumber Co. (Saw Mill)
SPRINGDALE—*Taylor County Lumber Co. (Saw Mill & Planing Mills)
SUMNER—*Cummer Cypress Co.
TALLAHASSEE—Tallahassee Lumber Co. (Saw & Planing Mills)
TAMPA—§Landeck Lumber Co. (Saw & Planing Mills)
Southern Lumber & Sup. Co. (Planing Mill)
TARPON SPRINGS—*Alderman J. W. (Saw Mill)
TRENTON—*Wade & Bell (Timber)
WATERTOWN—*East Coast Lumber Co. (Saw Mill)
WAUCHULA—Wauchula Mfg. & Timber Co.
WEST PALM BEACH—Lainhart & Potter
WILDWOOD—*McRainey & Bridges (Saw Mill)
WILLISTON—Long Pasley Lumber Co. (Saw & Planing Mills)
WIMAUMA—*Brown Shingle Co.

## GEORGIA.

ACREE—Tyson & Stubbs (Saw Mill)
ADAIRSVILLE—*Cedar Springs Mfg. Co. (Saw Mill)
ALAPAHA—*Pine & Cypress Co. (Saw & Planing Mills)
ALLENHURST—*Dunlevie Lumber Co.
ALBANY—Albany Planing Mill (Planing Mill)
*Reynolds Bros. Lumber Co. (Saw Mill)
ASHBURN—*Ashburn Lumber Co.
ATHENS—Moss R. L. Mfg. Co. (Planing Mills)
ATKINSON—Atkinson Mill Co. (Saw Mill)
ATLANTA—Cleveland-Osconee Lbr. Co.
Cleveland-Osconee Lbr. Co.
§Lake Frank G.
§Lowe E. E. & Co., Fourth Nat'l Bank bldg
Pattillo Lumber Co.
§Smith & Simpson Lumber Co.
§West Lumber Co.
Willingham-Tift Lumber Co.
§Zuber J. W.
AUGUSTA—*Augusta Lumber Co. (Long Leaf Yellow Pine)
*Beech Is. Lumber Co. (Saw Mill)
*Perkins Mfg. Co. (Yellow Pine)
Perkins Sash & Door Co. (Planing Mill)
*Woodward Lumber Co. (Yellow Pine)
AUTREYVILLE—*Autrey D. A. & Son (Saw Mill)
BABCOCK—Babcock Bros. Lumber Co. (Saw Mill) (Branch of Pittsburgh, Pa.)
BAINBRIDGE—§Rampsey-Wheeler Co.
§Flint River Lumber Co. (Planing Mill)
BLAKELY—Blakely Hardwood Lumber Co. (Saw Mill)
BLUNDALE—*Emanuel Farm Co. (Saw Mill)
BOSTON—*Kirby Planing Mill Co. (Saw Mill)

GEORGIA—continued

BOWDON—*Fowler W. J. (Saw Mill)
*King C. W. (Saw Mill)
BOYDVILLE—*Boyd Lumber Co. (Saw & Planing Mills)
BROOKS—*Peeples J. W. (Saw Mill)
BRUNSWICK—*American Tie & Timber Co. (Yellow Pine & Cypress Ties, Poles & Posts)
*Bladen Tie & Lumber Co.
*Camden Lumber Co. (Saw Mill)
*Hirsch Lumber Co. (Branch of N. Y. City)
Savannah River Lumber Co. (Saw Mill)
Trant Jno. H. Jr. (Saw Mill)
CAMAK—Wilson W. S. Lumber Co. (Saw & Planing Mills)
CARTERSVILLE—*Rhyne Bros. Lumber Co.
CECIL—*Bray J. N. Lumber Co. (Saw Mill)
CEDARTOWN—*Hightower Planing Mills (Planing Mills)
CHALKER — *Cleveland-Oconee Lumber Co. (Saw Mill)
COLUMBUS—*Cooper Lumber Co. (Saw & Planing Mills)
CONYERS—*Hamilton J. A. & Sons (Saw Mill)
CRAWFORDVILLE—*Malcom A. G. Bro. & Co. (Saw Mills)
White & Hamilton Lumber Co. (Saw & Planing Mills)
CYRENE—*Hodges C. S.
DACULA—*Pharr G. F. (Saw Mill)
Strickland L. E. (Saw Mills)
DALTON—*Cherokee Mfg. Co.
*Farrar Lumber Co. (Yellow Pine, Brackets, Blocks & Mill Finish)
DUBLIN—Dublin Lumber Co. (Saw & Planing Mills)
ELLIJAY—§Shippen Bros. Lumber Co.
EUGENE—*Phillips Lumber Co. (Saw Mill)
FAIRPLAY—*Malcom B. H. & Bro. (Saw Mill)
FENDIG—*McKinnon L. T. & Co. (Saw Mill)
GODFREY—Beam Lumber Co. (Saw & Planing Mills)
GRADYVILLE—*Kelley-Clark Lumber Co. (Saw & Planing Mills)
HAWKINSVILLE—*McEachern W. D. Lumber Co.
Standard Lumber Co. (Saw & Planing Mills)
JEFFERSONVILLE—Gettys M. E. Lumber Co. (Saw Mill)
KATHLEEN—*Davis J. H. & Son (Saw Mill)
LAWRENCEVILLE—Jackson C. P. (Saw Mill)
*Williams Lumber Co.
LELA—*Chattahoochee Lumber Co.
LETFORD—*Tuten W. G. (Saw Mill)
LUMPKIN—Alexander & Bland (Saw Mill)
LYONS—Jones & Alexander (Saw Mill)
Thompson J. L. (Saw Mill)
MACON — *Case-Fowler Lumber Co. (Hardwood)
*Central Mfg. Co.
*Jenkins J. W. (Saw Mill)
*Massee & Felton Lumber Co. (Gum, Oak, Hickory, Ash, Elm, Maple, Poplar & Sycamore)
*Sibley Lumber Co. (Saw Mill)
MADISON—Morgan Lumber Co. (Saw & Planing Mills)
MEIGS—*Meigs Lumber & Mfg. Co. (Saw Mill)
METCALF—Caldwell Lumber Co. (Saw Mill)
MINEOLA—*Mineola Mill Co. (Yellow Pine)
MOULTRIE—*Colquitt Lumber Co.
Corbett Lumber Co. (Saw Mill)
*Huber Lumber Yard
MOUNT PLEASANT—Aiken L. R. & Bro.
MT. VERNON—McCrimmon W. C. (Saw Mill)
NEWNAN—Askew W. S. Co.
*Cole R. D. Mfg. Co.
NORWOOD—Steedman J. H. Lumber Co. (Planing Mill)
OCILLA—*Henderson Lumber Co. (Saw Mill)
*Ocilla Planing Mill
OCONEE—*Cleveland-Oconee Lumber Co.
PINEORA—*Pineora Mfg. Co. (Saw Mill)
POPE'S FERRY—*Dixie Lumber Co. (Short Leaf Pine & Saw & Planing Mills)
QUITMAN—*Interstate Lumber Co.
RAY CITY—Clements Lumber Co. (Saw & Planing Mills)
REYNOLDS—Fitzgibbons P. F. (Saw Mill)
Ricks Bros. (Saw Mill)
ROME—Marshall Mfg. Co. (Yellow Pine)
ST. MARYS—Brandon Lumber Co. (Saw Mill)
SAVANNAH—Bacon A. S. & Sons (Shingles, Lumber, etc.).
*Brewster Lumber Co. (Saw Mill)
*Emanuel Farm Co.
§Georgia Pine Co. (Branch of Balto., Md.)
Jarratt J. S. & Co. (Saw Mill, etc)
*Port Wentworth Lumber Co. (Saw & Planing Mills)
*Savannah River Lumber Co. (Yellow Pine)
Southern Box & Lumber Co.
STATENVILLE—Gasbutt A. G. Lumber Co. (Saw & Planing Mills)
STOCKTON—*Fry E. Y. (Saw Mill)
SYLVANIA—*Brantley W. L. (Saw Mill)
*Mallory W. A. & Bro. (Saw Mill)
THOMASVILLE—*Beverly W. E. (Saw Mill)
Jemison J. B. & Co. (Long Leaf Yellow Pine Car Material, Bridges, Floorings, Sidings, Shingles, Laths, etc)
Jemison J. B. & Co.
*Kirby Planing Mill Co. (Yellow Pine)
*Southern Saw Mill Co. (Saw Mill)
§Upchurch W. J. (Saw Mill)
*Williams Homer
TIFTON—*Phillipps Lumber Co.
*Tift H. H. (Yellow Pine)
VALDOSTA—Killian Lumber Co. (Long Leaf Yellow Pine)
Harvey Lumber Co.
WARTHEN—*Walker G. C. (Saw Mill)
WAYCROSS—*Hebard Cypress Co. (See Scranton, Pa.)
WRENS—*Wren W. J. (Saw Mill)
ZIRKLE—*Davis-Zirkle Lumber Co. (Saw & Planing Mills)

## IDAHO.

ATLAS—Atlas Shingle Co.
*Atlas Tie Co. (Saw Mill)
BARBER—*Boise-Payette Lumber Co. (Saw & Planing Mills)
BONNERS FERRY—Bonners Ferry Lumber Co. (Western Soft Pine, Idaho White Pine, Hard, Spruce & Cedar Lumber & Lath, etc
BOISE—Boise Payette Lumber Co. (Pine)
*Ridenbaugh W. H. (Lumber & Saw Mills)
COEUR D'ALENE—Blackwell Lumber Co. (Idaho White Pine, Western Soft Pine, White Fir)
Rutledge Edward Timber Co.
COTTONWOOD—Hussman Lumber Co. (Saw Mill)
DOVER—*Dover Lumber Co. (White Pine, Larch & Cedar)
EMMETT—Boise-Payette Lumber Co. (Saw & Planing Mills)
FRASER—Fraser Lumber Co. (Saw Mill)
HARRISON—Russell & Pugh Lumber Co. (Saw Mill)
HOPE—Hope Lumber Mfg. Co., (Saw Mill)
HORSESHOE BEND—Harris Creek Lumber Co. (Saw Mill)
KAMIAH—Western States Lumber Co. (Saw Mill)
KENTERVILLE—Hussman Lumber Co. (Saw Mill)
KOOTENAI—Humbird Lumber Co. (Saw Mill)
LACLEDE—White A. C. (Saw Mill)
LINDEN—Longfellow A. W. (Saw Mills)
McCALL—Hoff & Brown (Saw Mill)
MEADOW CREEK—Meadow Creek Lumber Co. (Saw Mills)
MOSCOW—*Standard Lumber Co.
PLUMMER—Schmidt Bros. (Saw & Planing Mills)
POST FALLS—Post Falls Lumber & Mfg. Co. (Saw & Planing Mills)
POTLATCH—*Potlatch Lumber Co. (Idaho White Pine, Western Soft Pine, Lap Pine Siding)
ROSELAKE—Rose Lake Lumber Co. (Saw Mill)
ST. JOE—Milwaukee Land Co. (Saw Mill)
ST. MANIES—Milwaukee Lumber Co. (Saw Mill)
*St. Manies Lumber Co. (Saw & Planing Mills)
ST. PAUL—Western States Lumber Co. (Saw Mill)
SANDERS—Libby Chas A. (Saw Mill)
SANDPOINT—Hitchner & Hitchner (Cedar Posts, etc)
*Sommers Bros. Match Co. (Saw & Planing Mills)
SAND POINT—*Humbird Lumber Co. (Ltd.) (White Pine Lumber, Red Pine & Hard, Cedar Poles & Split Cedar Posts, etc, Ties, Poles & Posts, Cedar Poles & Split Cedar Posts)
§Sand Point Lumber & Pole Co. (Ltd.) (Red Cedar Posts, Poles, Piling & Shingles)
SPIRIT LAKE—*Panhandle Lumber Co., Ltd. (Panhandle Pine)
SPRINGTON—Springton Lumber Co. (Saw Mill)
WINCHESTER—Craig Mountain Lumber Co. (Saw Mill)

## ILLINOIS.

ANNA—*Anna Lumber & Mfg. Co.
BELLEVILLE—Liese Lumber Co.
Reis J. B. Lumber Co.
CAIRO—§Atwood F. H. Lumber Co. (Lumber & Boxes, Veneered & Sawed Egg Cases, Box Shooks, etc)
Dunbar Mill & Lumber Co.
Langan P. T. Lumber Co. (Saw Mill)
CHICAGO—§Abbott Frank I. (Pine & Hardwoods), 2201 Loomis
Acme Lbr. & Shingle Co., 20 W. Jackson blvd
Alexander Lumber Co., 104 S Michigan av
Allen Edmund A., 133 W. Washington
Anguera Lumber & Tie Co., 111 W Washington
Attley J. M. Co., 11 S La Salle
Bader John Lumber Co., 2020 Clybourne av
Baird D. W. Lumber Co. (Red Oak Gum & Birch), 1026 W. 22d
*Bay De Noquet Co. (Hemlock, Hardwood, White Pine, etc), 80 E Jackson blvd
§Benedict John S. Lumber Co. (Hardwood & Wagon Stock), 419 N Halsted
§Big Bay Lumber Co. (Crating), 2345 Loomis
*Bigelow Bros. & Walker Co. (Yellow Pine, Cypress & Hardwood), 5 N La Salle
Boyle Clarence (Inc.), Lumber Exch. bldg
§Brooks & Ross Lumber Co. (Pine & Hemlock & Hardwood), 39 S. La Salle
Buckner Bros. Lumber Co., 332 S Michigan av
§Burns Jno. E. Lumber Co. (Yellow Pine), 700 W Chicago av
§Carey-Lombard Young & Co., 332 S Michigan av
Carney Lumber Co., 2335 Laflin
§Caryl A. H. (Commission Merchants), 133 W Washington
§Chicago Lumber & Coal Co., 11 S La Salle
*Chicago Mill & Lumber Co. (Lumber & Box Shooks), 111 W Washington
Columbia Hardwood Lumber Co. (Oak, Hardwoods), 2082 Dominick
§Continental Piling & Lumber Co. (Piling & Heavy Timber), 112 W Adams
*Cottage Grove Mfg. Co. (Sash, Doors, Blinds), 3912 Langley av
*Crandall & Brown (Red Cypress), 3300 S Racine av
*Crane W. B. & Co. (Timber, Ties, Cedar Posts, Planks, etc), 913 W 22d
§Cross Clarence L. (La. Red Cypress), Monadnock blk
§Darling Chas & Co. (Hardwood), 1055 W 22d
§Deacon J. C. & Co. (Pine), Loomis S of 22d
Deeves G. H. Lumber Co. (Yellow Pine, Mahogany, Hardwood, etc), 80 E Jackson blvd
Dermott Land & Lumber Co., Railway Exch.
De Vries S. J. & Co., 840 W. 47th
§Empire Lumber Co. (Cherry, Oak & Chestnut), 2034 Southport av
§Fathauer Theo. Co. (Hardwood), 1428 Cherry av
*Fourche River Lumber Co. (Soft Yellow Pine, Hardwood Lumber, Lath & Shingles), 5 N La Salle

§Gillespie John Lumber Co. (Lumber & Seward), W 22d & Laflin
§Goodman K. S. Co. (Pine, Hemlock, Hardwood, etc), 80 E Jackson blvd
Goodivillie Bros.
§Gourley Arthur & Co. (Pines), 11 S La Salle
§Green Geo. Lumber Co., 22d & S Canal
Greenwood Lumber Co.
Gregerstsen Bros. Co. (Cypress & Tupelo), McCormick bldg
Griffith Geo. D. & Co. (Northern Pine, Southern Yellow Pine & Hardwoods), 11 S La Salle
§Hayden & Westcott Lumber Co. (Plain & Quartered Sawed Oaks, Poplar, Rock Elm, Yellow Pine, etc), 80 E Jackson blvd
§Herbert Wm. A. & Co., 11 S La Salle
*Hettler Herman H. Lumber Co. (Maple Flooring, "Modern Brand," Kiln Dried), 2601 Elston av
*§Hines Edward Lumber Co. (All Kinds), 2431 S Lincoln
*Holt Lumber Co., 431 S Dearborn
*Houston Geo. T. & Co. (Yellow Pine, Hardwood & Cypress), 80 E Jackson
Howes Lumber Co., 545 W 71st
International Lumber Co. (White Pine), 11 S La Salle
*Jeffris D. K. Lumber Co., 11 S La Salle
*§Keith Lumber Co. (Mahogany & Foreign Woods), 2350 Laflin
Kemler Lumber Co., 1168 N Halsted
Kenfield-Lamoreaux Co., Conway bldg.
§King W. O. & Co. (Yellow Pine, Maple, Cuban & Mahogany & Hardwood), 2453 Loomis
Kirby-Bonner Lumber Co. (Yellow Pine)
§Knudson & Mercer Lumber Co. White & Yellow Pine, Lath, Shingles, etc), 28 E Jackson blvd
*Lake Independence Lumber Co., 623 S Wabash av
§Lane J. L. & Co. (Southern Pine & Hardwood), 11 S La Salle
§Leach L. D. & Co. (Saw Mill), 343 S Dearborn
§Lesh & Matthews Lumber Co. (Native & Hardwood), 140 S. Dearborn
Lockwood & Strickland Co., 49th & Halstead
*Lord & Bushnell Co. (Yellow Pine), 2424 Laflin
§Lowe, Perley & Co. (Pine & Hardwoods), 332 S Michigan av
*Lyon Lumber Co. (Red Cypress), 208 S La Salle
Maisey & Dion (Hardwood & Cottonwood), Loomis & 22nd
*Marsh & Bingham Co. (L. L. Yellow Pine; also Fir & Oak), 80 E Jackson blvd
Marsh & Truman Lumber Co., 332 S Michigan av
§Matthias Russell J. Co., 30 N La Salle
§Messinger Hardwood Lumber Co. (Hardwood), 2139 Elston av
§Mickle Geo. T. Lumber Co. (Yellow Pine, Timber, etc), 30 N La Salle
§Miller Jas. G. Lumber Co. (Commission Merchants), 11 S La Salle
*Mississippi Lumber Co. (Long Leaf, Yellow Pine), 332 S Michigan av. Mills: Quitman, Miss.
*Morgan Sash & Door Co., 2287 Blue Island av
*Nessen J. O. Lumber Co. (Yellow Pine & Southern Hardwoods), 128 S Michigan av
North Branch Flooring Co., 2415 Barry av
§Oconto Co. (Hemlock, Hardwood, White Pine, etc.), 80 E Jackson blvd
Pacific Lumber Co. (Redwood), 3612 S Morgan
*Paepcke-Leicht Lumber Co., Southern Hardwoods, 111 W Washington
*Paine Lumber Co., Ltd. (Mill Work), 111 W Wash.
Paltzer C. A. Lumber Co., 112 W Adams
*Pate D. S. Lumber Co. (Long Leaf Yellow Pine), 11 S La Salle
§Pike Dial Lumber Co., 2201 Loomis
Pilsen Lumber Co., 2201 Laflin
Pioneer Corp. (White Pine), 1249 W 63rd
§Porter Frank Lumber Co. (Commission Merchant), 11 S La Salle
Pulaski Lumber Co., 1835 N Robey
*Rittenhouse & Embree Co. (Oak & Maple Flooring), 3500 S Racine av
§Ross Lumber Co., 39 S La Salle
Schreiber Wm. C. Lbr. Co., 2220 Throop
Schultz & Cowen Co. (Oak, Pine & Cedar Poles, etc), Old Colony bldg
*Soper Lumber Co. (Hardwood), 2204 Loomis
§Soper Lumber Co., 2204 Loomis
*Spalding Lumber Co. (Lumber, Lath & Shingles), 208 S La Salle
§Spry Lumber Co., 111 W Monroe,
Stewart A. T. Lumber Co., 7801 Greenwood av
Stone Frank B., 80 E Jackson
§Street-Chatfield Lumber Co., 1880 Fullerton av
Thornton-Clancy Lbr. Co., 2315 Elston av
*§Thornton E. A. Lumber Co. (Box Shooks), 11 S La Salle
§Trainer Bros. Lumber Co., Loomis S of 22d
§Upham & Agler (Hardwoods), Throop S of 22d
*Vancouver Lumber Co., Ltd. (Vancouver Cedar Mills Ltd.), 343 S Dearborn
Wachsmuth Lumber Co., 2201 Laflin
*Ward Lumber Co. (Hardwood), Chamber of Commerce bldg
§Wells R. A. Lumber Co. (Hardwood), 234 S La Salle
Wheelock Lumber & Mfg. Co., 1751 N Maplewood av
*White Lake Lumber Co., 122 S Michigan av
§White Lumber Co. (Hardwood), 1500 Webster av
*White Star Lumber Co. (Hemlock & Cedar), 11 S La Salle. Mills: Mattoon, Wis.
*Willey C. L. (Mahogany & Foreign & Domestic Hardwoods), 2558 S Robey
*Wisconsin Lumber Co. (Oak, Cottonwood, Elm, Sycamore, Cypress, Gum, Ash & Soft Maple), 606 S Michigan av. Mills: Deering, Mo.
*Wood Geo. E. Lumber Co. (Wis. Pine), 230 S La Salle
*Worcester C. H. Co. (Hemlock & White Cedar), 19 S La Salle
Worcester Lumber Co., Ass'n bldg
§Wuichet Louis (White Pine, Sugar Pine & Soft Pine), Ry Exch bldg

DANVILLE—Danville Lumber Co.
Hooten Chas. B.
Trent Bros.
DECATUR—*Lyon G. S. & Sons Lumber & Mfg. Co.
EAST ST. LOUIS—Chicago Lumber & Coal Co. (Yellow Pine Mfrs.)
*East St. Louis Lumber Co., 2022 State
Fullerton Powell Hardwood Lbr. Co.
*Goedde B. & Co., Weber & Illinois av
O'Neill Lumber Co.
ELGIN—Rinehimer Bros. Mfg. Co.
GALESBURG—§Simpson Jas. C. & Co.
GOLDEN—Golden Lumber & Contracting Co.
HOOPESTON—Moore & McFerren (Saw Mill, Lumber & Cottonwood Box Shooks)
KARNAK—*Main Bros. Box & Lumber Co.
KELL—Hays O. G. (Saw Mill)
LA SALLE—Hunter, Stevens & Co.
McLEANSBORO—Wilson J. H. & Son
*Wright T. B. & Son
MATTOON—*Gabbert Lumber Co. (Lumber & Planing Mill)
METROPOLIS—*Artman, Nichols & Cox Lbr. Co. (Saw & Planing Mills)
MOLINE—*Dimock, Gould & Co.
MOUND CITY—*Williamson-Kuny Mill & Lumber Co. (Southern Hardwoods, Long Oak Timber, Lath)
NEBO—Minier Bros.
PEORIA—Knetzger Chas. Lumber Co.
§Lord Lee H. & Co. (Yellow Pine & Hardwood Lumber)
Miller Joseph & Sons (Lumber & Contractors)
Proctor J. C. Lumber Co.
PERU—Maze W. H. Co. (Planing Mill)
QUINCY—*McKee W. I. Lumber Co. (Fir, Spruce, Cedar, Redwood & Idaho White Pine)
*Menke-Grimm Planing Mill Co.
Moller & Vanden Boom Lumber Co.
ROCKFORD—*Green Bros. Box & Lbr. Co.
§Parsons Lumber Co.
§Smith-Du Plain & Crumb Co.
§Stone P. F.
ROCK ISLAND—*Rock Island Lumber & Mfg. Co. (Lumber, Lath & Shingles)
*Weyerhauser & Denkmann Co. (White Pine)
SPRINGFIELD—Eielson A.
Schuck J. H. & Son
VANDALIA—Sonneman C. G. & Son
WINCHESTER—Hunter, Allen & Co.

## INDIANA.

ANDERSON—Atherton M. Sons (Planing Mill)
Winters, Mercer & Brannum Lumber Co.
ARGOS—*Schafer Louis N. (Saw Mill)
ATTICA—Attica Lumber Co.
BATESVILLE—Hillenbrand (The) Co.
BATH—*Brier John T. (Saw Mill)
BERNE—Berne Lumber Co. (Saw Mill)
BIRDS EYE—Southern Indiana Mfg. Co. (Spokes & Bldg Material)
BLOOMINGTON—Fulwider W. A. Co. (Lumber)
BLUE RIDGE—*Marshall T. J. (Saw Mill)
BLUFFTON—Cline Tribolet Lumber Co.
*Ditzler Hardwood Co. (Hardwood)
Eaton Jas. B. (Lumber & Piling)
BOBO—*Colter Henry (Saw Mill)
BOONVILLE—*White C. P. Lumber Co. (Hardwood, Quartered Oak Saw & Planing Mill)
BRAZIL—Brazil Lumber Co.
Keasey N. T. Lumber Co. (Saw Mill)
Wilder E. D. & Co. (Planing Mill)
BROOKVILLE—Ferris John & Sons Planing Mill)
CAMPBELLSBURG — *Stratton & Co. (Saw Mill)
CANNELTON—*Zeller Bros. (Saw Mill)
CLAYPOOL — Alexander G. M. (Saw Mill)
COLUMBIA CITY—*Peabody S. J. Lumber Co. (Saw & Planing Mill)
CONNERSVILLE — Connersville Lumber Co.
CONVERSE—*Murphy & Kenny (Lumber & Planing Mill)
CORYDON—§Humphrey R. H. Co. (Saw Mill)
CRAWFORDSVILLE — Burkholder Saml. Lumber Co. (Hardwood)
CROWN POINT—Root C. D.
CUMBERLAND — Duncan Lumber Co. (Saw Mill)
DARLINGTON—*Lynch W. B. (Lumber & Saw Mill)
DECATUR—*Adams County Lumber Co. (Saw Mill)
*Smith & Bell (Saw Mill)
DUNKIRK—Dunkirk Lumber Co.
DUPONT—Graston G. W. Milling Co. (Saw Mill)
§Guthrie William A.
EAST ENTERPRISE—*Truitt Wm. P. & Son (Saw Mill)
ELKHART—Monger C. L. Co. (W. & Com. Lumber)
§Monger R. W. Co.
ELWOOD—Heffner Lumber & Coal Co. (Saw & Planing Mill)
Winters Lumber Co.
EVANSVILLE—Cutsinger F. M. (Saw Mill)
Evansville Planing Mill Co. (Saw Mill)
*Helfrich Lumber & Mfg. Co.
§McFerson & Foster Co. (Cottonwood, Poplar Box Shooks)
*Maley & Wertz (Hardwoods, Quartered Oak & Saw Mills)
*Reitz Clemens Sons Co. (Saw Mill)
*Reitz John A. & Sons (Saw Mill)
Schultze Geo. T. Lbr. Co.
*Von Behren Mfg. Co. (Spokes & Bentwood)
§Wolflin-Luhring Co. (Yellow Pine & Southern Hardwoods)
FERDINAND—*Beckman & Sauer (Saw & Planing Mill)
*Bolte Ben & Son (Saw Mill)
FLORA—*Flora Saw Mill Co. (Saw Mill)
ply Co.

INDIANA—continued
FORT WAYNE—*Fort Wayne Lumber Co.
Franke H. (Planing Mill)
*Gilmartin Edw. & Sons (Hardwood & Planing Mill)
Helker Charles & Sons
Kilker Chas. & Sons
*Hoffman Bros. Co. (Hardwood & Veneers)
Klett Jacob & Sons (Planing Mill)
*Mossman Wm. E.
*Perrine-Armstrong Co. (Long Timber, etc)
FOWLER—Evans & Calloway
GOSHEN—*Irwin Jno. W. (Est. of)
*Sanders & Egbert Co. (Hardwood)
*Young-Greene Lumber Co. (Hardwood)
GOSPORT—*Sanders A. J. & Sons (Saw Mill)
GREENCASTLE—*Barnaby C. H. (Hardwoods and Oak Veneers)
GREENTOWN—*Cuthrell John A. (Saw Mill)
HAGERSTOWN—Keagy Henry W.
Werking John E. (Saw Mill)
HAMBURG—*Bramlage, Louis (Saw Mill)
HARTFORD CITY—*Willman Lumber Co. (Saw Mill & Lumber)
HUNTINGBURG—*Stimson J. V. (Saw Mill)
HUNTINGTON—Kenower John & Sons Hardwood & Planing Mill)
INDIANAPOLIS—*Bachman F. M. Co.
Madison av c Lincoln
§Brannum-Keene Lumber Co. (Planing Mills)
§Buddenbaum Lumber Co.
§Capitol Lumber Co.
§Carter-Lee Lumber Co., 1621 W Washington
§Dickson Jas. C. (Oak, Ash & Poplar), 936 E Vermont
§Dynes-Pohlman Lumber Co.
Eaglesfield & Shepard
§Eichholtz Geo. W. & Son
§Foster R. S. Lumber Co. (Hardwood, Veneered Doors, Mantels, Stairways, etc)
§Guthrie William A.
*Indianapolis Manufacturers' & Carpenters' Union (Pine, Poplar & Ash)
§Long-Knight Lumber Co. (Plain & Quartered Oak, White Ash, etc), 1025 Lewis
Maas-Neimeyer Lumber Co.
§Michigan Lumber Co. (Long Joist & Heavy Timber), 929 E St. Clair
§Pinnell J. W. & Co., 230 E Ohio
§Talge Mahogany Co., 1101 E 13th
*Walnut Lumber Co. (Hardwood), 1635 W Michigan
*§Wilkinson-Allena Lumber Co.
KOKOMO — *Armstrong-Landon Co. (Hardwood & Pine)
Indiana Lumber Co.
LAFAYETTE—*Lafayette Lumber Co.
LA PORTE—*Wise H. (Saw Mill)
LENA—*Brattain E. C. (Saw Mill)
LOGANSPORT—Fernald Willmont L. (Saw Mills)
MARION—*Barley & Spencer Lumber Co.
§Marion Lumber Co.
MENTONE—*Central Lumber Co. (Saw Mill)
MONTPELIER—Bryson D. A. (Saw Mill)
MOUNT SUMMIT—*Ice F. P. & Son (Saw Mill)
MUNCIE—Kirby-Wood Lumber Co.
Muncie Lumber Co.
NAPOLEON—*Grow F. J. (Saw Mills)
NEW ALBANY—*Roberts & Veneer Co. (Veneer & Lumber)
§Humphrey R. H. Co. (Saw Mill)
Wood Mosaic Co. (Hardwood Lumber & Oak Flooring)
NEW POINT—*Puttmann John J. (Saw Mill)
NORTH VERNON — *Cone Jos. D (Spokes, etc)
*Litchfield Bros. (Hardwood)
*†North Vernon Lumber Co. (Hardwood)
Richardson J. B. & Son
PERU—*Eisaman & Richer (Saw Mill)
PLEASANT LAKE—*Goodwin Lumber Co.
PLYMOUTH—*Morris C. L. (Saw & Planing Mills
PORTLAND—*Adams D. L. (Staves & Headings)
North, Frazier & Co. (Saw Mill)
RICHMOND—*Johnson R. & Son (Lumber, Piles & R. R. Ties)
§Kramer C. & W. Co. (Hardwood)
ROCKVILLE — *Ferguson Lumber Co. (Planing Mill)
RUSHVILLE—§Case Jasper D. (Hardwood)
Pinnell & Tompkins Lumber Co.
SALEM—*Crim C. M. & Son
SHELBYVILLE—Stroup S. P. Lumber Co.
*Swain-Karmire Lumber Co.
SHERIDAN—*Palmer George H. (Saw Mill)
SOUTH BEND—*Fullerton-Powell Hardwood Lumber Co. (Hardwood & Box Lumber)
TERRE HAUTE—*Hooton Lumber Co.
TYNER—*Powell Charles H. (Saw Mill)
VINCENNES—*Maley & Wertz (Saw Mill)
Updike J. B. & Co. (Saw Mill)
WASHINGTON—*Murdock Lumber Co. (Hardwood Lumber & Veneers, Fancy Figured Quartered Oak a Specialty)
WOODBURN—*Woodburn Lumber Co. (Saw Mil)

## IOWA.

BELLEVUE—*Bittner Louis Lumber Co. (Hardwood)
*Dorchester & Hughey (White Pine)
BOONE—Fehleisen-Rosacker Lumber Co.
BURLINGTON—*Burlington Lumber Co. (White Pine)
*Gilbert Hedge Lumber Co.
*Nairn, Gillies Co. (Sash & Door Factory & Planing Mill)
Rand Lumber Co.
CEDAR RAPIDS—§Canfield Lee Lumber Co.
Cedar Rapids Lumber Co.
Fay Bros. & Co.
Limback Lumber Co.
Williams & Hunting Co. (Planing Mill)
CLINTON—§Curtis Bros. & Co. (Mill Work, Pickets, Flooring, Siding, Ceilings, etc)
Peterson, Bell & Co. (Box Shooks & Crates, etc)
CORYDON—Corydon Lumber Co.
COUNCIL BLUFFS—§Bluff City Lumber & Coal Co.
Hafer C. Lumber Co.
§Hoagland Geo. A.
§Quinn H. A. Lumber Co.
DAVENPORT—*McClelland T. W. Co.
*Mueller Lumber Co. (Planing Mills Yellow Pine, White Pine, Fir, Cypress Lath, Moulding)
*Roberts U. N. Co.
§Seiffert H. O. Lumber Co. (Shingles).
*Weyerhaeuser & Denkmann Co
DES MOINES—Church W. C. Lumber Co. (White Cedar Poles & Posts)
*Gilcrest J. K. & W. H. Co.
*Green Bay Lumber Co.
Jewett Lumber Co.
*Queal Lumber Co.
§Wheeler Lumber Bridge & Supply Co.
*Wisconsin Lumber Co.
DUBUQUE—§Ernsdorff John Iron Co. (Hardwood Only)
*Farley & Loetscher Mfg. Co. (Sash, Doors, Blinds)
*Metz Mfg. Co. (Sash, Dors, Blinds, etc)
*Standard Lumber Yard Co.
FORT DODGE—Conway Lumber Co.
Mason & O'Connell
FORT MADISON—*Atlee S. & J. C. (White Pine)
HAWARDEN—Schoeneman Bros. Co.
INDIANOLA—Harlan J. M. Lumber Co.
KEOKUK—Carter Mfg. Co.
*Taber Lumber Co.
MANCHESTER—*Wolcott Bros. (Lumber & Shingles)
MARSHALLTOWN—Buchwald Chas. A. Lumber Co.
Citizens Lumber Co.
MISSOURI VALLEY—Deur C. H.
MUSCATINE—*Muscatine Lumber & Coal Co.
NEWTON—*Skow Mfg. Co.
OSKALOOSA—§Hawkeye Lumber Co.
Kalbach Lumber Co.
OTTUMWA—Fletcher Lumber Co.
McGavic S. L. Lumber Co.
PARNELL—Home Lumber Co.
REINBECK—Porter Lumber Co.
SIOUX CITY—Ford Lumber Co.
*Fullerton Lumber Co.
Spaulding Avery Lumber Co.
WATERLOO—§Chapman C. W. Lumber Co.
Gronen & Cowan
§Iowa Lumber Co.
§Jackson Lumber & Supply Co. (Shingles & Lumber)
*Nauman Co.
Waterloo Lumber Co.

## KANSAS.

ATCHISON—*Carlisle Pennel Lumber Co.
CHANUTE—Chanute Lumber Co.
HUTCHINSON—§Hutchinson Lumber & Planing Mill Co.
IOLA—Northrup Lumber Co.
LEAVENWORTH—Lambert Lumber Co.
NEWTON—Swartz S. M., Lumber Co.
OLATHE—Hodges Bros.
PITTSBURGH—Sandford-Robinson Lumber Co.
ROSSVILLE—*Thomas J. Lumber Co.
TOPEKA—§Central Sash & Door Co.
§Thomas J. Lumber Co.
WICHITA—*Louisiana Red Cypress Lumber Co.
§Wichita Sash & Door Co.

## KENTUCKY.

ARLINGTON—Arlington Lumber Co.
ASHLAND—*Ashland Lumber Co.
§Dawkins W. H. Lumber Co. (Wholesale Poplar & Oak)
*Herrmann H. Lumber Co.
*Standard Planing Mill Co.
*Vansant, Kitchen & Co.
*Wright, Kitchen Lumber Co. (Yellow Poplar, Oak, Ash, Pine, etc)
BARBOURSVILLE—*Minton T. W. & Son (Hickory Dimension Stock)
*Rathfon, Scent & Co.
BENTON—Treas. Lumber Co.
BOND—*Bond-Foley Lumber Co. (Saw & Planing Mills)
BONDURANT—Smith A. B. Lumber Co. (Saw & Planing Mills)
BONNIEVILLE—Stamp J. M. (Saw Mill)
BOONSBORO—Stevens H. L. (Saw Mill)
BOWLING GREEN—Kister F. L., Jr., (Saw & Planing Mill)
*Roemer Bros. (Planing Mill)
Russell J. N. Lumber Co.
BRADFORDSVILLE—Terhune's B. Sons (Saw Mill)
BURNSIDE—*Kentucky Lumber Co. (Lumber & Saw Mill)
CADIZ—*Woodruff Planing Mill Co.
CAMPBELLSVILLE — *Campbellsville Lumber Co. (Hardwood)
CANEYVILLE—Bond W. T. (Cross Ties & Lumber)
CARROLLTON—*Adkinson Bros. Co.
CATLETTSBURG—*Nigh S. H. & Bro.
CENTRAL CITY—*Central City Lumber & Mfg. Co.
CLAY CITY—*Brodhead-Garrett Co. (Saw & Planing Mills & Rough & Dressed Lbr. of all kinds)
CLEARFIELD—Clearfield Lumber Co. Saw & Planing Mills)
COVINGTON—*Hellman Lumber & Mfg. Co. (Planing Mill, etc)
CRESSMON—Turkey Foot Lumber Co. (Saw Mill)
DANVILLE—*Danville Lumber & Mfg. Co.
ELIZABETHTOWN—Bond Bros. (R. R. Crossties)
ELKATAWA—Long & Oldfield (Saw Mill)
FRANKFORT—Capital Lumber & Mfg. Co. (Planing Mill)
*Kenney B. E. Lumber Co. (Saw Mill)
FROZEN CREEK—Day J. Taylor (Staves & Ties)
FULTON—Swain-Karmire Lumber Co.
GLASGOW—§Lewis-Wilson-Hicks Co.
*Redman Wm. (Staves)
Smith J. N.
HAZEL—*White J. T. & Son
HAZEL GREEN—Day J. Taylor
HEIDELBERG—*Forman Thomas Co. (Saw & Planing Mills)
HENDERSON—*Clore Joseph O. & Son (Lumber, Saw & Planing Mills)
*Rankin Lumber Co. (Saw Mill)
HICKMAN—Mingel Box Co. (Saw & Planing Mills)
HIGHBRIDGE—Hughes J. D. Lumber Co. (Saw & Planing Mill)
HIGHLAND PARK—*Gamble Bros.
HITCHINS—Eastern Kentucky Lumber Co.
HOPKINSVILLE—*Forbes Mfg. Co.
IRVINE—Snowden A. D. & Bro. (Saw Mills)

JACKSON—*Day Lumber & Coal Co. (Hardwood)
KEAVY—Storm S. L. (Lumber, Staves & Ties)
Storm John (Saw Mill)
KINGS CREEK—Field A. J. & Son (Saw Mill)
KNOBLICK—Allen O. C. (Saw Mill)
LANCASTER—*Lancaster Lumber & Mfg. Co.
LEBANON—*Lebanon Lumber Co.
LENOX—Lenox Sawmill Co. (Saw Mill)
LEXINGTON—§Blue Grass Lumber Co.
*Curran Lumber Company
Geary W. J. Lumber Co. (Saw Mill)
Hendricks-Moore-Young Co.
*Louise Lumber Co.
*Spotswood E. R. & Son (Hardwood)
LIMABURG—Rouse J. S. (Saw Mill)
LIVERMORE—*Quigg Mfg. Co. (Staves)
LOMBARD—Brodhead-Garrett Co. (Saw & Planing Mills)
LONDON—*London Mfg. Co. (Lumber)
§Murphy D. B. & Co.
LOUISA—*Northrup Jay H. (Ties, Lumber, Staves)
LOUISVILLE—Brown Bros. & Carnahan
Brown W. P. & Sons Lbr. Co.
*Central Planing Mill & Lumber Co.
Churchill-Milton Lbr. Co.
§Comstock L. H.
*§Davis E. L. Lumber Co. (Hardwood)
§Gamble Bros. (Yellow Pine, Yellow Poplar, Hardwood)
§Gernert Bros. Lumber Co. (Saw Mill)
§Graham S. P. Lumber Co., 810 Magazine
*Holly Ridge Lumber Co. (Saw Mill, Hardwood, Ash, Oak, Poplar, Walnut, etc)
Kirwan Bros. (Saw Mill), Fulton & Adams
*Koehler Hy. & Co. (Planing Mill, Hardwood, Yellow Pine, etc), 12th & B'way
Louisville Point Lumber Co. (Saw Mill), 1146 Fulton
Mehler & Eckstenkemper Lumber Co. (Cedar), 901 Fehr av
*Mengel C. C. & Bros. Co., (Saw Mill)
§Russell Frank B. (Beer Staves)
MARYDELL—Gregory M. (Saw Mill)
MAYFIELD — Mayfield Planing Mills (Planing Mill)
MONICA—Hieronymus C. H. (Saw Mill)
MOREHEAD—*Bradley S. M. (Mfr. & W. Lumber, Staves, etc)
MUD LICK—*Webb Wm.
MURRAY—*Hay Jas. P., Lumber Co.
NEWPORT—Voss Frank (Lumber & Planing Mill)
Weingartner's Jos Sons (Lumber & Planing Mill)
OFFUT—Rockcastle Lumber Co. (Saw Mill)
OWENSBORO—Owensboro Planing Mill Co. (Hardwood)
PADUCAH—§Faust J. H. & Co. (Thick Yellow Poplar)
Ferguson Hardwood Co. (Saw Mill)
*Ferguson & Palmer Co. (Hardwood, Red & White Oak, Poplar, etc)
Fooks Lumber Co.
*Langstaff-Orm Lumber Co. (Saw & Planing Mill)
Sherrill-King Mill & Lumber Co. (Saw Mill)
Sherrill-Russell Lumber Co.
*§Smith A. B. Lumber Co. (Cypress & Hardwood Lumber, etc)
PANOLA—Madison-Jackson-Estill Lumber & Development Co. (Hardwood Lumber)
PINEVILLE—*Asher A. J. (Saw Mill)
Card A. H. (Saw Mills & Southern Hardwood)
QUICKSAND—Buskirk Rutledge Lumber Co. (Saw & Planing Mills)
§Mowbray & Robinson Co. (Saw & Planing Mills)
RICHMOND—*Richmond Lumber Co.
RINALDO—Mitchell J. W. (Saw Mill)
SALT LICK—Fell W. J. (S. 'Lumber, Staves)
Salt Lick Lumber Co. (Saw & Planing Mill)
SCOTTSVILLE—*Thompson, Wade & Co.
SOMERSET—*Edgett & Ellis Co.
*Winfrey Stave & Lumber Co.
STEARNS—Stearns Coal & Lumber Co. (Saw Mill)
TORRENT—*Day J. Taylor (Saw Mill)
VINEGROVE—Vinegrove Lumber Co.
WALTON—*Mayhugh J. D. Mfg. Co. (Lumber)
WEST IRVINE—§Mowbray & Robinson Co. (Saw Mill)
WILLIAMSBURG—*Kentucky Lumber Co. (Saw & Planing Mills)
WINCHESTER—Scobee R. P & Son Co.
Winchester Lumber & Mfg. Co.

## LOUISIANA.

ALBERTA—*Bienville Lumber Co. (Ltd.) (Yellow Pine)
ALDEN BRIDGE—*Strayhan J. F. (Saw Mill)
ALEXANDRIA—*Alexandria Lumber Co., (Ltd.) (Long Leaf Yellow Pine)
Alexander Cooperage & Lumber Co. (Saw Mills)
§Caddo-Rapids Lumber Co., Ltd. (Saw & Planing Mills)
*Ball J. F. & Bro. Lumber Co. (Ltd.)
*Brenner Ferd. Lumber Co.
Enterprise Lumber Co. (Ltd.)
Hayslip & Dear
*Long Pine Lumber Co. (Saw & Planing Mills)
ALLEMANDS—*Bowie Lumber Co., Ltd. (Saw & Planing Mills)
ALOHA—*Williams H. R. (Shingle Mill)
ANSLEY—*Davis Bros. Lumber Co. (Ltd.) (Yellow Pine)
ARABI—*St. Bernard Cypress Co. (Ltd.)
ARNAUDVILLE—Greig George
ATHENS—Pace W. H. (Saw Mill & Lumber)
Mary Ann Lumber Co. (Saw Mill)
ATLANTA—*Germain & Boyd Lumber Co. (Branch of Saginaw, Mich.)
BALDWIN—*Baldwin Lumber Co. (Ltd.) (Cypress)
BARHAM—*Pickering W. R. Lumber Co. (Yellow Pine)
BASKIN—*Baskin Lumber Co. (Saw Mill)
BASTROP—Gulledge Lumber & Stave Co., Inc, (Saw Mill)
Sterling Lumber Co. (Saw Mills)
BATCHELOR—*Northern Lumber Mfg. Co.
BAYOU CHICOT—Johnson Louis (Saw Mill)
BERNICE—Bernice Lumber Co. (Ltd.)
BLANKS — *Barnes-Blanks Lumber Co. (Saw Mill)
BOGALUSA—*Great Southern Lumber Co.
*Louisiana Lumber Co.
BOLINGER—*Bolinger S. H. & Co. (Ltd.) (Yellow Pine)
BONAMI—*King-Ryder Lumber Co. (Yellow Pine)
BONFOUCA—*Bayou Liberty Lumber Co. (Saw Mill)
BOWIE—*Bowie Lumber Co. (Ltd.) (Lumber & Shingle Mill)
BOYCE—*Boyce Lumber & Realty Co. (Saw & Planing Mill)
*Looney Rivers Lumber Co.
BREAUX BRIDGE—Begnaud J. W. (Lumber)
BROUSSARD—*Comeaux Lumber Co.
BRYCELAND—*Bryceland Lumber Co., Ltd.
BUNKIE—*Climax Lumber Co. (Hardwood)
Haas W. D. & Co. (Lumber & Saw Mill)
BURTON—*Burton-Swartz Cypress Co.
CAMPTI—Frost-Johnson Lumber Co. (Saw Mill)
CARSON—Delta Land & Timber Co. (Saw Mill)
CHACAHOULA—*Goodland Cypress Co. (Red Cypress). Office: New Orleans
CHENIRE—Benoit Clayton Lumber Co. (Saw Mill)
CLARKS—Louisiana Central Lumber Co.
CLAYTON—*Utley-Hollaway Co. (Saw Mill), (various Lumbers)
CLIFFORD—*Coyle H. J. (Saw Mill)
COLFAX—*Big Pine Lumber Co. (Ltd.)
*Colfax Hardwood Lumber Co. (Hardwood)
Iatt Lumber Co., Ltd.
*Sabine Lumber Co. (Yellow Pine). Office: St. Louis, Mo.
COTTON VALLEY—Porter-Wadley
COUSHATTA—Corley W. C. (Saw Mill)
CRAVENS—*§Pickering W. R. Lumber Co. (Saw & Planing Mills)
CRESTON—*Black Lake Lumber & Shingle Mill Co. (Saw Mill)
CREW LAKE—*§Faust Bros. Lumber Co. (Saw Mill)
DELHI—*Weis & Lesh Mfg. Co., (Branch of Muncie, Ind.)
DENHAM SPRINGS—Brown W. F. & Sons (Saw Mill)
DE RIDDER—*Hudson River Lumber Co. (Yellow Pine)
DONNER—*Dibert, Stark & Brown Cypress Co. (Ltd.) (Cypress Lumber Lath & Shingles, Mouldings, Finish & Pickets, Hewn & Sawn Ties & R. R. Timbers, etc.)
DUBACH—*Dubach Lumber Co. (Ltd.) (Long & Short Leaf Yellow Pine)
DUBBERLY—Woodward & Walker (Saw Mill)
DUNN—*Cook Fred
EDNA—*Powell Lumber Co. (Saw Mill)
ELBA—*Evans W. S. & Son (Saw Mill)
ELIZABETH—*Industrial Lumber Co. (Saw Mill)
EMAD—Peary-Byrnes Lumber Co. (Saw & Planing Mills)
EROS—*Tremont Lumber Co. (Saw & Planing Mills)
EUNICE—*Newell Lumber Co., Ltd. (Saw & Planing Mills)
FISHER—*Louisiana Long Leaf Lumber Co. (Yellow Pine)
FRANKLIN—*Kyle Lumber Co. (Ltd.) (Cypress)
FRANKLINTON—*Fordney Fassett Co.
*McCreary Lumber Co. (Saw Mill)
FROZARD—*Oliver A. C. (Saw Mill)
FULLERTON—*§Gulf Lumber Co. (Saw & Planing Mills)
GANDY—*Wyatt Lumber Co. (Saw & Planing Mills)
GARDEN CITY—Hanson Albert Lumber Co. (Ltd.) (Saw Mill)
GARYVILLE—*Lyon Lumber C. (Red Cypress)
GENESEE—Genesee Lumber Co.
GLENMORA—*Kirkpatrick Lumber Co. (Ltd.)
Louisiana Saw Mill Co. (Southern Yellow Pine, Cypress)
GOODPINE—*Good Pine Lumber Co. (Saw Mill)
*Fall Timber Lumber Co. (Saw & Planing Mills)
GRABOW—*Anacoco Lumber Co. (Saw & Planing Mills)
GUY—*Hurricane Creek Lumber Co. (Saw Mill)
HAMMOND—Hammond Lumber Co. (Ltd.)
*Kent Amos Lumber & Brick Co.
*Natanbany Lumber Co. (Ltd.) (Yellow Pine)
Tallahala Lumber Co.
HARAHAN—*Friedberg Lumber Co, (Saw Mill)
HARVEY—*Louisiana Cypress Lumber Co. (Ltd.) (Red Cypress, Lumber & Shingles)
HAUGHTON—Johnson H. H. Lumber Co. (Saw Mill)
HODGE—*Huie-Hodge Lumber Co. (Ltd.)
HOLDEN—*McCaroll Lumber Co. (Ltd.) (Saw Mill)
HOMER—*Burkholder S. Lumber Co. (Saw & Planing Mill)
HOULTONVILLE—*Houlton Lumber Co. (Saw Mill)
HOUMA—Houma Cypress Co. (Ltd.)
HUTCHINSON—*Bayou Blue Lumber Co.
Elton Lumber Co. (Saw Mill)
HYAMS—Riel Geo. F. (Saw Mill)
INDEPENDENCE—Day E. H. (Saw Mill)
Independence Veneer & Box Mfg. Co. (Ltd.)
JEANERETTE—*Bourgeois & Beaullieu, (Loggers)
Jeanerette Lumber & Shingle Co. (Ltd.) (Cypress)
*Planters' Lumber Co. (Ltd.) (Cypress, Lumber, etc)
JENA—*White Sulphur Lumber Co. Ltd.
JONESBORO—*Autoine Lumber Co. Ltd.
*Tremont Lumber Co.
JONESVILLE—*Wheeler Harvey M. Lnmber Co. (Saw Mill)
KENTWOOD—*Brooks-Scanlon Co. Lumber Mfrs. (Long Leaf Yellow Pine, Band & Gauged, Sawed Planing (Mill Work, etc.)
*Kent Amos Lumber & Brick Co. (Ltd.) (Yellow Pine)
KINGSTON—Natalbany Lumber Co. (Saw Mill)
LAARK—*Kimball Lumber & Mfg. Co.
LACOMBE—Lacombe Lumber Co. (Saw & Planing Mills)
LAKE ARTHUR—*Bomer-Ferguson Co. (Ltd.)

LOUISIANA—continued

LAKE CHARLES—*Bel J. A. Lumber Co. (Ltd.) (Yellow Pine)
*Calcasieu Long Leaf Lumber Co.
*Hodge Fence & Lumber Co. (Ltd.) (Saw Mill, Lumber, Fencing & Yellow Pine)
*Lyons Lumber Co. (Ltd.)
*Martin Tram Co. (Logging)
*Powell Lumber Co. (Ltd.) (Lumber, Yellow Pine & Saw Mill)
Stout J. C. Lumber Co. (Saw Mill)
LAKE PROVIDENCE—Desha Lumber Co. (Saw Mill)
LEESVILLE — *Nona Mills Co. (Ltd.) (Yellow Pine). (See Beaumont, Tex.)
*Roberts Lumber Co.
LONG LEAF—*Crowell & Spencer Lumber Co. (Ltd.) (Yellow Pine)
LONGSTREET—*Holmes L. T. (Saw Mill)
*Longstreet Lumber Co. (Ltd.)
*Washburn Lumber Co.
LONGVILLE—*Longville Lumber Co. (Saw Mill)
*Leach O. G. Hardwood Lumber Co. (Saw Mill)
LOTTIE—Wilson & Cochran (Cypress)
LOUISVILLE—Norman Lumber Co.
LUDINGTON—*Ludington Lumber Co.
LUTCHER—*Lutcher & Moore Cypress Lumber Co. (Ltd.) (Red Cypress)
McELROY—*Ascension Red Cypress Co. Ltd.
McNARY—*Cady W. M. Lumber Co. (Yellow Pine)
MACLAND—*McDonald Bros.
MADISONVILLE—Dendinger Theo. (Saw Mill)
Madisonville Saw & Planing Mill (Saw & Planing Mills)
MANDEVILLE—Poitevent & Favre Lumber Co. (Southern Yellow Pine)
MANGHAM—*Stewart-Greer Lumber Co.
MANSFIELD — *Frost-Johnson Lumber Co. (Branch of Shreveport)
MAYNA—*Red Star Lumber Co. (Ltd.) (Saw Mill)
MEEKER—*Holly Ridge Lumber Co.
MERIDIAN—Meridian Lumber Co., Ltd. (Saw Mill)
MER ROUGE—Dunnam & Robinson (Saw Mill)
MERRYVILLE—*American Lumber Co.
Howdumac Timber Co. (Saw & Planing Mills)
MIDLAND—*Callahan Lumber Co. (Ltd.) (Planing Mill & Lumber)
MILTONBERG—*Brewer Nienstedt Lumber Co. (Saw & Planing Mills)
MINDEN—*Minden Lumber Co.
MOBERLY — *Cummings-Moberly Cypress Co. (Saw Mill)
MONROE—*Grayling Lumber Co. (Branch of Detroit, Mich.)
*Hardwood Mfg. Co.
*Holly Ridge Lumber Co. (Saw Mill)
Lenwil Sawmill Co. (Saw & Planing Mills)
*Monroe Shingle Co. (Shingle Mill)
*No. Louisiana Shingle Mfg. Co. (Ltd.) (Shingle Mill)
MONTROSE—Frost-Johnson Lumber Co. (Saw Mill)
MORGAN CITY—*Brownell-Drews Lumber Co. (Ltd.) (Cypress Lumber & Shingles)
Chapman-Storm Lumber Co. (Shingles)
*Cotton Bros. Cypress Co. (Ltd.) (Lumber & Shingles)
MORLEY—*Morley Cypress Co. (La. Cypress)
MOUND—Pelican Lumber Co., (Saw Mill)
MYRTIS—*Southern Lumber Co,
NAPLES—*Naples Lumber Co. (Ltd.) (Saw Mill)
NAPOLEONVILLE — *Napoleon Cypress Co. (Ltd.)
NATALBANY—*Natalbany Lumber Co. (Ltd.) (Yellow Pine)
NATCHITOCHES—Johnson W. F. Lumber Co. (Saw & Planing Mill)
NEAME—Delta Land & Timber Co. (Saw & Planing Mills)
NEW IBERIA—*Renoudet P. L. Lumber Co. Ltd.) (Saw Mill)
NEWLIN—*Strange W. G. Lumber Co. Ltd.
NEW ORLEANS—§Acme Lumber Co., (Ltd.), 1023 Hibernia
*Algiers Saw & Planing Mill Co, (Saw & Planing Mills), 429 Patterson
*Ascension Red Cypress Co., Ltd.
§Bateman J. B. Jr., Whitney bldg
*§Berwick Lumber Co., Ltd., Cleo. & Freret
§Boudreaux L. S.
*Carre W W. Co., Ltd. (Yellow Pine Exporters), 814 Hibernia bldg
§Central Mfg. & Lumber Co. (Ltd.), 3 Salcedo & Perdide
§Crescent Lumber Co., Ltd.
Creosoted Materials Co. Inc., Queen & Crescent bldg
§Downman R. H., Hibernia bldg
§Forcheimer Hugo (Exporter, Logs, etc), Whitney bldg
Goodland Cypress Co., Hibernia bldg (Red Cypress. Mills: Chacahoula, La.
Higgins A. J. Lumber & Export Co., Whitney bldg
§Knoop Otto Lumber & Realty Co., 1217 Julia
*Lambou & Noel Lbr. & Mfg. Co.
*Louisiana Red Cypress Co., Hibernia Bank bldg (Rough & Dressed Red Cypress & Hardwoods
*Maurepas Milling Co. (Saw Mill)
*Moore Lucas E. Stave Co., Weis bldg (White Oak Cooperage Stock & Hardwood Lumber Co, etc.)
§Opdenweyer-George Lumber Co., Perdido & Lopez
*Otis Mfg. Co., Octavia & River (Mahogany)
*Pointe Coupee Stave & Lumber Co.
§Poitevent & Favre Lbr. Co., L. & L. & G. bldg
§Rees-Scott Co. (Ltd.), 911 Hibernia bldg (Exporters, Staves & Lumber)
§Roberts & Co., 1419 Gravier
Robinson Lumber Co, 717 Whitney (Yellow Pine, Satin, Walnut, etc),
*Ruddock Orleans Cypress Co., Carrollton av & New Basin (Cypress Lumber)
*Salmen Brick & Lumber Co., Ltd., (Yellow Pine, Cypress Lumber), Whitney bldg
*Schut & Kiehn, Hennen bldg (Hardwood Exporters)
Southern Pine Ass'n
§Southern Saw Mill Co., Ltd., Whitney bldg (Red Cypress)
Standard Export Lbr. Co. (Yellow Pine), Whitney Central bldg
Sutherland L. J. & Co. (Exporters Pitch, Pine, Timber, Staves)
Thomas G. H. A. Co., Broad & Poydras
Union Lumber Co.
OAKDALE—§Bowman-Hicks Lumber Co., (Saw & Planing Mills)
Forest Lumber Co. (Cypress, Southern Yellow Pine)
OBERLIN—Williams Bros. Lumber Co. (Saw Mills)
*Industrial Lumber Co. (Yellow Pine)
OXFORD—Roberts Lumber & Grain Co., Inc. (Saw & Planing Mills)
PATTERSON—*Riggs Cypress Co. (Ltd.) (Lumber & Planing Mill)
Williams F. B. Cypress Co. (Ltd.)
PAWNEE—Pawnee Land & Lumber Co. (Cypress, Southern Yellow Pine)
*Norman Felix (Saw & Planing Mills)
PEARL RIVER—*Crandall & Brown Cypress Co. (Saw Mill)
PEASON—*Peavy-Wilson Lumber Co. (Saw & Planing Mills)
PICKERING—*Pickering W. R. Lumber Co. (Yellow Pine). (See Kansas City, Mo.)
PINEWOOD—Roberts Lumber Co. (Saw Mill)
PLAQUEMINE—Liebke Lumber Co., Inc. (Saw Mill)
Plaquemine Stave & Heading Co. (Ltd.)
Moorman E. S. & Son
*Schwing Lumber & Shingle Co. Ltd. (Cypress)
*Wilbert's A. Sons Lumber & Shingle Co. (Red Cypress, Lumber & Shingles)
PLATTENVILLE—*Baker-Wakefield Cypress Co. (Cypress & Hardwood)
POLLOCK—*Ball J. F. & Bro. Lumber Co. (Saw & Planing Mills)
PORT BARRE—Port Barre Timber & Tie Co. (Saw Mill)
RAGLEY—Ragley W. G. Lumber Co. (Saw Mill)
RAMOS—*Ramos Lumber Co. (Ltd.) (Red Cypress Lumber, Lath & Shingles)
RAMSAY—St. Tammany Lumber Co. (Saw & Planing Mills)
RAVENSWOOD — *Scotland Lumber Co (Saw & Planing Mills)
RAYVILLE—Richland Parish Lumber Co. (Saw Mill)
RED FISH—Glenn Lumber Co., Ltd. (Saw Mill)
RHODA—Waddell-Williams Lumber Co. (Saw Mill)
ROBERT—Graves & Patenotte, Inc. (Saw Mill)
ROCHELLE—*Tremont Lumber Co. (Saw & Planing Mills)
RUSTON—*Adams J. A. & Sons Co. (Ltd.) (Staves)
§Cleaton J. A.
Reed Bros. Lumber Co. (Saw Mill)
*Ruston Mfg. Co. (Planing Mill)
ST. JAMES—*Bowie Lumber Co. (Saw & Planing Mills)
ST. LAUDRIF—*Holly Ridge Lumber Co.
ST. MARTINVILLE—§Burdin J. J. & Bro. Lumber & Saw Mill)
SALINE—*Payton Bros. Lumber Co.
SELMA—*Grant Timber & Mfg. Co. (Yellow Pine)
SHAMROCK—*Brown Lumber Co. (Saw & Planing Mills)
SHREVEPORT—*Bolinger S. H. & Co. (Ltd.), (Saw Mill & Planing Mills)
*Bolinger S. H. & Co. (Ltd.), (Saw Mill & Planing Mills)
*Bradford-Hicks Lumber Co.
§Commercial Lumber Co.
*Frost-Johnson Lumber Co.
§Nelson Jacks Lumber Co.
*Peavy-Byrnes Lumber Co. (Calcasieu Long Leaf Virgin Pine)
§Shreveport Lumber Co. (Hardwood)
§Snyder Wagon Co., Ltd. (Saw Mill)
*Victoria Lumber Co. (Ltd.), (Planing Mill, etc)
*Weaver Bros. (Saw Mills)
*Werner Louis Stave Co.
SLIDELL—Salmen Brick & Lumber Co. (Saw & Planing Mills)
Southern Creosoting Co., Ltd. (Saw & Planing Mills)
SONDHEIMER—Sondheimer & Co. (Saw Mill)
SORRENTO—Opdenweyer-Alcus Cypress Co.
SPRINGFIELD—*Bakenridge Lumber Co. (Ltd.), (Saw Mill)
Springfield Lumber Co., Ltd, (Saw Mills)
Thomas G. H. A. (Saw Mill)
SPRINGHILL—*§Pine Woods Lumber Co. (Saw & Planing Mills)
STANDARD—Louisiana Central Lumber Co. (Saw Mill)
*Powers & Critchett (Saw & Planing Mills)
SULPHUR—Powell Lumber Co. (Saw & Planing Mills)
TALISHEEK—*Ozone Lumber Co. (Ltd.)
TALLULAH—§Mosberger Lumber Co. (Saw Mill)
TIMBERTON—Excelsior Cypress Co. (Saw & Planing Mill)
TIOGA—*Lee Lumber Co. (Saw & Planing Mills)
TROUT—Trout Creek Lumber Co. (Saw Mill)
URANIA—Urania Lumber Co. (Ltd.), (Long Leaf Yellow Pine. R. R. Construction & Car Materials)
VICTORIA—Louisiana Longleaf Lumber Co. (Saw & Planing Mills)
VIVIAN—*Thomason W. J.
WASHINGTON—Gibbins T. C. (Saw Mill)
*Thistlewaite Lumber Co. (Ltd.), (Saw Mill)
WESTLAKE—*Krause-Managan Lumber Co. (Ltd.)
*Lock, Moore & Co. (Ltd.), (Long Leaf Yellow Pine)
WEST MONROE—*West Monroe Mfg. Co. (Ltd) (Sashes, Doors, etc)
WHITECASTLE—*Whitecastle Lumber & Shingle Co. (Ltd.), (Red Cypress)
WILDSVILLE—Baxter Lumber Co. (Saw Mill)
WINNFIELD—*Mansfield Hardwood Lumber Co.
Tremont Lumber Co. (Yellow Pine)
WINNSBORO—Steele & Johnson (Saw Mill)
WISNER — *§Pritchard-Wheeler Lumber Co. (Saw & Planing Mills)

WOODWORTH — *Rapids Lumber Co. (Ltd.), (Yellow Pine)
WYATT—*Wyatt Lumber Co. (Ltd.), (Yellow Pine)
YELGAR—*Bucley Lumber Co.
ZIMMERMAN—*Bentley J. A. Lumber Co. (Yellow Pine)
ZONA—Sanford F. L. (Saw Mill)
ZWOLLE—Sabine Lumber Co. (L. L. Yellow Pine)

## MAINE.

ALEXANDER — *Dowelley George B. (Shingles)
ALFRED—*Jordan B. C.
ARROWSIC—*Crosby Bros. Co. (Saw Mill)
AUBURN—*Hutchins H., Wesley Co. (Basswood Veneer)
*Winter Frank W.
AUGUSTA—*Augusta Lumber Co. (Pine & Spruce Lumber, Lath & Shingles)
Kennebec Lumber Co. (Saw Mill)
Viles & Gannett
BANGOR—*Bangor Lumber Co.
*Cassidy John & Son
Eastern Mfg. Co.
*Morse & Co. (Saw & Planing Mills)
BARING—*Chase-Granville Co. (Saw & Planing Mills)
BAR MILLS—*McKenney Chas. H.
BATH—*Bath Box Co. (Saw & Planing Mills)
*Passmore H. T. (Lumber & Mill Work)
BIDDEFORD—Deering J. G. & Son (Saw & Planing Mills)
BINGHAM—Bingham Lumber Co. (Saw & Planing Mills)
BREWER—Penobscot Lumber & Box Co. (Planing Mill)
BRISTOL—*Muscongus Lumber Co. (Saw & Planing Mills)
CALAIS—Eaton H. F. & Sons
*Murchie Chas. F.
CASCO—*Hancock S. O.
DANFORTH—Putnam H. H. (Saw Mill)
Welsford Lumber Co. (Saw & Planing Mills)
EAGLE LAKE—Fish River Mfg. Co. (Saw & Planing Mills)
EAST HAMPDEN—Sterns Lumber Co.
ELLSWORTH FALLS—*Treworgy, Chas. J. (Stave Headings, Shingles & Box Shooks)
§Whitcomb, Haynes & Whitney (Spruce & Hemlock Lumber, Lath & Shingles)
GARDINER—*Gray Joshua & Sons (Lumber, Shingles & Lath)
ISLAND FALLS—*Mattawamkeag Lumber Co.
LIMESTONE—*Noyes A. L.
LONG POND—*Kellogg Lumber & Mfg. Co. (Saw & Planing Mills)
MILFORD—Barker Lumber Co. (Saw Mill)
MILLINOCKET—Rush Frank W. (Saw & Planing Mills)
MILO—*Boston Exclesior Co. (Saw & Planing Mills)
NEW GLOUCESTER—Chandler Bros.
OLD TOWN—*Jordan Lumber Co. (Box Shooks & Lumber)
*Wing-Engel Box Co. (House Finish, Box Shooks, etc)
PASSADUMKEAG—Passadumkeag Lumber Co. (Saw Mill)
PORTLAND—*Allen Wm. A. Co. (Wood Mantels, Tiling of all kinds, Posts, Rails, Columns, etc., House & Church Finish)
*Brown Co. (Spruce Lumber, Clapboards, Shingles, Lath Pickets, Dimension Boards, etc.)
Hamlen J. H. & Son (White Pine & Spruce)
*McDonald Mfg. Co.
*Richardson, Dana & Co. (So. Pine, Cypress & Hardwood)
RUMFORD—*Dunton Lumber Co. (Saw Mill)
SHERIDAN—Ashland Co. (Saw Mill & Planing Mills)
SHIRLEY MILLS—*Shirley Lumber Co.
SOLDIER POND—Daigle A. F. & Son (Saw Mill)
SOLON—Solon Lumber Co. (Saw & Planing Mills)
SOUTH BREWER—*Bangor Lumber Co.
SOUTH GARDINER—*Lawrence Bros. Co.
STILLWATER—McNulty & Whittier Co. (Saw Mill)
STRONG—*Starbird C. V. (Saw & Planing Mills)
VAN BUREN—*Hammond Lumber Co. (Saw & Planing Mills)
*St. John Lumber Co. (Saw & Planing Mills)

## MARYLAND.

BALTIMORE—§Alcock John L. & Co. (Exporters of Hickory, Oak, Poplar & Walnut), Munsey bldg
§American Lumber Co. (Lumber & Shingles), 901 S Caroline
§Asendorf J. H. & Co. (Ga., N. C. & Va. Yellow Pine), Stewart bldg
Baer R. P. & Co. (Hardwood), Md. Casualty Tower
§Burgan Wm. M. (N. C. Pine & Cypress & Shingles), American bldg
§Canton Lumber Co. (Kiln Dried N. C. Pine, Ga. & Va. Sizes), Boston
§Carter David T. & Co. (Hardwood Mfrs.), West & Sterrett
§Dill Lewis & Co. (Long & Short Leaf Yellow Pine), Keyser bldg
Duker Otto & Co. (Planing Mill), Fleet & Albemarle
§Edwards B. W. & Sons (Short & Long Leaf Yellow Pine), 17 S Gay
Georgia Pine Co. (Cedar & Pine), Elliott & Linwood av.
§Gilbert J. L. & Bro. Lumber Co., E Falls & Eastern avs
Grube Herman L. (Hardwood Lumber, Piling, Posts, Ties, Poles, etc), American bldg
§Heise & Bruns Mill & Lumber Co., 600 S Caroline
§Horstmeier Lumber Co. (N. C. Pine), Stiles & E Falls av
*HOSKINS J. S. LUMBER MFG. CO. (Pine & Hardwood Lumber, Ties, Piling, Poles, Posts, Spars, Masts, Ship & Decking Timbers, Knees, Treenails, etc)
Jackson E. E. Lumber Co. (Long Leaf Yellow Pine), Keyser bldg
*James Lumber Co., 921 Aliceanna
Johnson, Greenleaf & Son (Rough N. C. Pine & Hardwoods), Marine Bank bldg
Lafayette Mill & Lumber Co., Lafayette av & P B & W R R
§Matthews Thos. & Son (Timber, Yellow, White & Oregon Pine, Cypress Oak & California Redwood), Clare
Merryman, Ridgaway (Va. & N. C. White Pine & Cypress), Marine Bank bldg
§Natwick J. & Co. (Hardwoods), Munsey bldg
Price J. McD. (Hardwood), Knickerbocker bldg
§Price & Heald (Hardwood), Marriott & Decatur
§Ryland & Brooks Lumber Co. (Va., N. C. & Ga. Pine & Hardwood Framing Board & Dressed Lumber), American bldg
*Shryock Thos. J. & Co. (Pine, Hardwood, etc), 717 S Caroline
*Surry Lumber Co., Union Trust bldg
§Waggner Lewis Co. (Long & Short Leaf Yellow Pine), Wolfe & Thames
§Waters Geo. E. & Co., 922 Park av
§Womble Pembroke M. (Cedar, Pine, etc), Elliott & Linwood av
*Wood R. E. Lumber Co. (Hardwood), Continental Trust bldg
BERWYN—*Bewley Geo. P. (Saw Mill)
BRANDYWINE—*Robinson Aquila T. (Lumber & Ties)
CAMBRIDGE—*Cambridge Mfg. Co. (Lumber, Barrels, etc)
CRELLIN—Kendall Lbr. Co. (Saw & Planing Mills)
CUMBERLAND—§Billmeyer Lumber Co.
*Smouse Thos. F. (White Oak, Car, Lumber)
*Union Lumber Mfg. Co.
HAGERSTOWN—§Dennison Lumber Co.
JENNINGS—Jennings Bros. (Saw & Planing Mills)
SALISBURY—Adkins E. S. & Co. (Inc.), (Lumber, Flooring, Box Shooks, etc)
Day Wm. M. (Saw Mill)
*Disharoon C. R. Co. (Saw & Planing Mills)
*Jackson Bros. Co.
*Miller W. B. & Co. (Lumber & Saw Mill)
*Tilghman Wm. B. Co. (Shingles, etc)
*Williams L. E. & Co.
SNOW HILL—Corddry Co., Inc. (Saw & Planing Mills)

## MASSACHUSETTS.

BOSTON—*Atlantic Lumber Co. (Hardwoods, Whitewood, N. C. Pine), 70 Kilby
§Barker Wm. G. Co., 141 Milk.
§Barker & Co. (Pine, Spruce, Cypress, Whitewood), 53 State
§Bearse O. & Son Co. (Mahogany & Hardwood), 79 Milk
§Bickford H. M. Co. (Poplar, Hardwood & N. C. Pine), 70 Kilby
*Blacker & Shepard Co., 409 Albany
§Blanchard Lumber Co., 126 State
§Boston Lumber Co. (Pine & Hardwood), 79 Milk
§Boston Oregon Mast Co. (Pacific Coast Lumber Products Decking Lumber, Red Cedar, Shingles, Masts, Spars & Piling), 131 Coleridge, E Boston
§Buzzell E. H., 71 Kilby
§Chester W. R. & Co., 89 State
§Clapp Alfred, 112 Water
§Connecticut Valley Lumber Co. (Spruce, Pine, Hemlock & Hardwoods), 147 Milk
§Curtis Wm. Sons Co., 30 Eustis
§Curtis & Pope Lumber Co., 774 Albany
Cypress Lumber Co. (Band Sawed Gulf Cypress, Long Leaf Yellow Pine, Poplar & Cottonwood, etc), 88 Broad
§Davenport Peters Co., 70 Kilby
§Furber, Stockford & Co., 89 State
§Godfrey L. N. Co. (Pine, Poplar & Maple & Oak Flooring), 60 Congress
§Hall Lumber Co. (Northern, Eastern & Southern Lumber), 101 Milk
§Hammond Edw J. Co. (Hard & Soft Wood), 79 Milk
§Haskins Wm. & Son, 110 State
*Huckins P. S. Co. (Georgia Yellow Pine), 40 Central
§Hurd Jos. A. Lumber Co. (Pine, Hardwood Lumber, Cedar Shingles, Dark Timber, etc.) 53 State
§James E. B. Lumber Co., 20 Central
§James & Abbott Co., 155 Milk
§Jones Hardwood Co. (Hardwoods, Cypress & Yellow Pine Flooring), 10 High
§Litchfield Wm. E. (Hardwood), 70 Kilby
§McQuesten Geo. Co., 27 Kilby
§Noyes Walter D., 148 State
§Palmer & Parker Co. (Mahogany, Hardwood Lumber & Veneers), 103 Medford Chan
§Parker & Page Co. (N. C. Pine, Cypress & Hardwood), 40 First, E. C.
*Richardson A. H. Lumber Co. (Spruce, Hemlock & Pine), 176 Federal
§Shepard & Morse Lumber Co. (Cypress & Hardwood), 201 Devonshire
*Skillings, Whitneys & Barnes Lumber Co., 79 Milk
St. Croix Paper Co. (Spruce & Hemlock Boards), 244 Washington
*STEARNS A. T. LUMBER CO. (Cypress, Yellow Pine, Ash & Other Wood, Doors, Sash, Blinds, Building Trim, Cabinet Work, Flooring, shingles, Tanks, etc), 100 Taylor, Neponset
*See adv index at end of book*
§Stebbins H. B. Lumber Co., Mason bldg.
§Stetson, Cutler & Co., 70 Kilby
§Stone Lumber Co., 50 Congress
Weston W. M. Co. (Hardwood), 120 Milk
§Wiggin H. D. (Hardwood), Fiske bldg.
Wiggins H. H. & Co. (Ind. & Southern Hardwood & Imp. of Mexican Mahogany), 50 Terminal
§Wood A. M. Co., Charlestown
§Wood Jas. A., Ames bldg.
Woodstock Lumber Co. (Saw & Planing Mills)
CAMBRIDGE—§Wood W. H. Lumber Co. (Hardwood)
FALL RIVER—*Erickson G. & Bro. (Saw & Planing Mill)
*Prosser Wm. & Son

MASSACHUSETTS—continued
FITCHBURG—§Priest C. A. Lumber Co. (Laths, Clapboards, Shingles, Lumber, etc)
HAVERHILL—*Hayes C. H. Corp (Saw Mill)
LAWRENCE—*Lawrence Lumber Co. (Lumber & Mfr. Boxes)
*Pingree D. W. Co. (Lumber & Mfr. Boxes)
LOWELL—*Allen Otis & Son Co. (Lumber, Mouldings & Boxes)
Burnham & Davis Lumber Co. (Shingles, Clapboards, etc)
*Cady Geo. L. & Sons (Lumber, Packing Boxes, Box Shooks, etc)
*Cheney Frank P. (Boxes, Box Shooks, Cloth Boards & Dealer in all kinds of Lumber)
*Davis & Sargent Co. (Lumber, Packing Boxes, Planing Mill, etc.)
*Pratt, Amasa Co. (Veneered Doors, etc)
MARBLEHEAD—Bowden Thos. J. & Son (Saw Mill)
MILLBURY—Rice A. W. (Saw Mill)
MONSON—Squier & Co.
NEW BEDFORD—Acushnet Sawmill Co. (Saw & Planing Mills)
NORTH ADAMS—Dibble S. B. Lumber Co.
NORTH READING—*Upton Henry A. (Saw Mill)
PITTSFIELD—§Berkshire Lumber Co.
ROCK—*Atwood L. O. (Saw & Planing Mills)
SPRINGFIELD—*Angers J. A. & Bro. (Shingles)
Bartholomew R. C. (Saw Mill)
§Currier R. B. Co. (Southern & Michigan Pine & New York Spruce; Also Pine & Cedar Shingles)
§Dutton A. C. Lumber Corp. (Pine, Spruce & Pacific Coast Products)
§Morse Fred S.
§Rice & Lockwood Lumber Co. (Pine, Hardwood Shingles)
§United Lumber Co. (Eastern White Pine & North Carolina Pine)
TOWNSEND—Adams U. S. & Co. (Saw Mill, Cooperage)
Fessenden B. & A. D. Co. (Saw Mill, Cooperage, Lumber)
TYNGSBORO—*Flint A. A. (Saw Mill, Mfr Boxes)
Sherburne W. A. (Saw Mill)
WALPOLE—Morse H. A. & Co. (Saw Mill)
WARWICK—Williams C. A. (Saw Mill)
WESTBORO—*Bartlett Box & Lumber Co. (Saw Mill)
WEST BRIDGEWATER—*Lyon A. S. (Saw Mill)
WEST STERLING—Buck T. & E. R. (Chair Mfr. & Saw Mill)
WEST TOWNSEND—Stickney Clarence (Saw Mill, Cooperage, Lumber)
Thompson Jos. F. (Saw Mill, Cooperage, Lumber)
WORCESTER—§Hackwell E. A. & Co. (Southern Pine, Canada, Western & Northern Lumber)
§Stone & Foster Lumber Co. (Northern, Western & Southern Lumber)

## MICHIGAN.

ALPENA—*Fletcher Geo. N. & Sons (Lumber & Saw Mill)
*Holmes Geo. H. & Co. (Lumber Cedar & Hemlock Bark).
*Island Mill Lbr. Co. (Saw Mill)
Michigan Veneer Co.
*Richardson Lumber Co. (Lumber & Saw Mill)
ANN ARBOR—*Luick Bros. & Co. (Lumber & Interior Finish)
ARCADIA—Starke Hy. Land & Lumber Co. (Saw Mill)
ATLANTIC MINE—Stratton D. A. Lumber Co.
BANNISTER—Letts R. G. (Saw & Planing Mill)
BARAGA—*Baraga Lbr. Co. (Saw Mill)
BAY CITY—Bay City Box & Crate Co.
*Bigelow-Cooper Co. (Saw & Planing Mills)
§Black Robert & Co. (Pine & Hardwood)
*Bradley, Miller & Co. (Lumber, Shingles, Lath & Box Shooks)
*Eddy Bros. & Co. (White Pine & Mill Work)
*Foss E. B. (White Pine Lumber, Laths & Shingles)
*Godkin John (Saw Mill)
*Goldie Wm. Jr. (Cooperage Stock)
*Handy Bros. (Box Shooks)
Hanson-Ward Veneer Co.
*Kneeland-Bigelow Co. (Saw Mill & Hardwood)
*Lamont Matthew Sons Co. (Planing Mill, Lumber, Sash, Doors, etc)
*Lewis Mfg. Co. (Sash, Doors, Lumber)
*Mengel E. T. (Pine & Box Shooks)
*Nickless W. H. (Box Shooks & Crates, Flooring & Car Planing)
Richardson Lumber Co. (Saw Mill)
§Ross & Wentworth (Saw Mill)
Sterling W. C. & Son, Saw & Planing Mills)
Vance E. J. Box Co. (Box Shooks)
*Young W. D. & Co. (Hardwood Lumber & Flooring)
BELLAIRE—*Hosmer W. A.
BENTON HARBOR—*Preston W. A. (Lumber & Interior Finish)
BERGLAND—*Bergland G. A. (Saw Mill)
BIG BAY—*Lake Independence Lumber Co. (Saw & Planing Mills)
BIG RAPIDS—*Hood & Wright (Veneer & Panels)
*Ward Bros. (Bicycle Woods & Lumber)
BOYNE CITY—*Boyne City Lumber Co.
*Von Platen Geo. (Lumber & Saw Mill)
*White W. H. Co. (Hemlock, Maple, Soft & Rock Elm, Basswood, Beech, Cedar, Shingles, Tan Bark, etc)
CADILLAC—*Cadillac Handle Co. (Saw Mill)
*Cadillac Veneer Co.
Cobbs & Mitchell (Maple Flooring, etc)
*Cummer-Diggins Co. (Hemlock & Maple Flooring)
*Mitchell Bros. Co. (Maple, Red Oak, Beech Flooring, Basswood Bevel Siding, Mich. Hardwood, Hemlock Lumber & Lath)
Murphy & Diggins (Hardwood, etc)
*Williams Bros. Co. (Saw Mill)
CALDERWOOD—*De Laittre & Anderson Co. (Saw & Planing Mills)
CALUMET—*Armstrong-Thielman Lumber Co. (Lumber, Lath, Shingles, Mouldings, etc)
CEDAR—*Culver M. A. & Son (Planing Mill)
CEDAR RIVER—*Crawford Samuel & Sons (Lumber)
CHARLEVOIX—Charlevoix Lumber Co. (Hardwood, Hemlock & Pine)
CHARLOTTE—Huber E. S. (Saw Mill)
CHASSELL—*Worcester Lumber Co. (Saw & Planing Mills)
CHEBOYGAN—§Embury-Martin Lumber Co.
Olds M. D. (Lumber, Lath & Staves)
COLEMAN—*Curtice J. E. (Cooperage)
DAGGETT—*Kessler J. (Lumber & Cedar)
Perrizo & Sons ,Cedar)
Weng L. E. & Son (Cedar)
DETROIT—*Alger, Smith & Co. (Long Pine Timber), Penobscot bldg
§Anketell Lumber & Coal Co., Dime 2530 Gratiot
‡Beyster John (Lumber, Planing Mill & Box Factory), 875 Fort, W
*Brownlee Co. (Lumber & Telegraph Poles), River Rouge
§Danaher R. E. Co., Majestic bldg.
*Derry Lumber Co. (Hardwood), Majestic bldg
*Detroit Cedar & Lumber Co. (Ties, Poles, Lumber), Dime Bank bldg
*Detroit Lumber Co. (Lumber & Saw Mill), Jefferson & Junction avs
*Dwight Lumber Co. (Maple & Oak Flooring & Cigar Box Lumber, etc.), River Rouge
*Earle J. M. Lumber Co., 1159 Wabash
*Forman Thos. Co. (Maple & Oak Flooring, Bore & End Matched), 121 Forman
*Grace Harbor Lumber Co. (Hardwood, White Pine, Norway, Hemlock, etc), Mack av & Blaufait, ft Western blvd
*Grayling Lumber Co. (Arkansas Lumber), Ford bldg
*Harding H. W. Lumber Co. (Pine & Hardwoods), Hamilton blvd & Midland av
§Hunton & Weeks, 1015 Russell
Kanouse H. W. Lumber Co. (Yellow Pine & Cypress), Ford bldg
§Kotcher C. W., 649 Gratiot av
*Manistique Lumbering Co., Ford bldg
*NATIONAL MFG. CO. (Slack Cooperage Stock for Flour, Cement, Lime & Sugar Barrels), Dime Savings Bank bldg.
*Restrick Lumber Co. (Lumber & Planing Mill), 992 Vinewood av
§Ross Fred C., 517 Warren av
*Sibley F. M. Lumber Co.
§Sicklesteel Lumber Co. (Hardwoods), 116 Forman av
Stephens Henry & Co. (White Pine & Hardwood), Farwell bldg
Weber J. F. & Co. (Lumber & Planing Mill), 304 Gratiot av
*Yeomans Box Co., 274 Wight
DOWAGIAC—§Judd Wm. F.
EAST JORDAN—*East Jordan Lumber Co. (Saw & Planing Mills)
EASTLAKE—*Peters R. G. Salt & Lumber Co.
EDMORE—*Pfeiffer & Burch (Shingles)
ESCANABA—*Andrews James R.
*Erickson & Bissell (Piling, Ties & Posts)
*Andrews James R.
National Pole Co.
*Stephenson J. Co. (Saw & Planing Mill)
ESSEXVILLE—Courval & Co., (Shingles)
FERRY—Powers & Critchett (Lumber & Lath)
FLAT ROCK—Metler C. L. & Co. (Saw Mill)
FLINT—*Flint Lumber Co. (Planing Mill)
*Hearsch-Wesson Mfg. Co. (Planing Mill)
FOSTER CITY—*Morgan Lumber & Cedar Co. (White Pine, Idaho Pine, Basswood, Ash, Elm, Maple, Oak, Hemlock, etc; Shingles, White Cedar, Red Cedar & Pine). Office, Oshkosh, Wis.
FRANKENMUTH — Veltengruber Bros. (Saw & Planing Mill)
FRANKFORT—*Bellows Elvin H.
GAGETOWN—Quinn & Fahrenkopf (Saw Mill)
GARNET—McLeod D. N. Lumber Co. (Saw & Planing Mills)
GAYLORD—Humphrey Bros. (Planing & Saw Mills)
GLADSTONE — *Northwestern Cooperage & Lumber Co.
GLENWOOD—Hampton Stock Farm Co. (Saw Mill & Mfr. Staves & Headings)
GOBLEVILLE—*Clement J. L. & Sons (Saw & Planing Mill)
GRAND RAPIDS—*§Angell H. C. & Co. (Lumber & Shingles)
*Antrim Iron Co. (Saw Mills)
*Dennis A. L. Salt & Lumber Co. (Hardwoods & Maple & Birch Flooring)
Engel Lumber Co.
*Follmer C. C. & Co. (Lumber & Shingles)
Grand Rapids Lumber Co. (White Pine, Hemlock, Hardwood, etc)
Grand Rapids Veneer Wks. (Saw Mill)
Hackley-Phelps-Bonnell Co. (Bark & Hardwoods)
*Hughart W. O. Jr. (Hardwood)
*Hughart & Kendal (W. Hardwoods)
Letellier F. & Co. (Planing Mill, etc)
Nichols & Cox Lumber Co. (Hardwood, Cottonwood & Hardwood Flooring)
Northland Lumber Co.
Spears C. A. & Son (Lumber, Planing Mill)
§Stearns J. S. Co. (Hardwood etc)
Stiles Bros. Co.
Superior Lumber & Cedar Co., 303-4 Murray bldg
Turtle Lake Lumber Co.
*Van Keulen & Winchester Lumber Co. (Hardwoods) Crating Stock, etc)
§Wagner G. N. Lumber & Shingle Co. (Pine & Red Cedar Shingles & Pine & Hemlock Lumber)
GRAYLING—Hanson R. & Sons (Hardwoods & Cottonwood)
*Kerry & Hanson Flooring Co.
*Sailing-Hansen & Co. (White Cork & Norway Pine)
*Crowl Lumber Co. (Saw Mill)
HARBOR SPRINGS—*Crowl Lumber Co. (Saw Mill)
*Harbor Springs Lumber Co. Lumber Co.

HARDWOOD—Anderson P. J. (Cedar Timber)
HARRIETTE—Fellers Bros. (Saw Mill Staves, etc)
HART—*Bennett Lumber & Mfg. Co.
Hart Cedar & Lumber Co.
HARTFORD—Walker L. P. (Saw Mill & Hoop Mill)
HASTINGS—Lombard John T. (Hardwood)
HERMANSVILLE—*Wisconsin Land & Lumber Co. (Hemlock & White Pine Lumber, White Cedar Shingles, Basswood Ceiling, Siding, Mouldings, Hardwood Flooring, etc)
HOLLAND—Scott-Luggers Lumber Co.
HOLLY—*Michigan Truck & Lumber Co.
*Houghton Lumber Co. (Saw & Planing Mills)
INGALLS—*Carley Ira (White Cedar Posts, Poles & Shingles)
Dobeas Louis (Cedar)
IRON MOUNTAIN—*Von Platen Lumber Co. (Maple, Birch, Basswood, Elm, Ash, Hemlock & Pine)
IRONWOOD—*Scott & Howe Lumber Co.
ISHPEMING—§Consolidated Fuel & Lumber Co.
JOHANNESBURG — *Johannesburg Mfg. Co. (Basswood)
KALKASKA—*Bockes & Mahan (Lumber & Shingles)
KINGSLEY—*Case & Crotser
LAKE LINDEN—Eddy Lumber Co. (Saw & Planing Mills)
L'ANSE—*Stearns & Culver Lumber Co. (Saw & Planing Mills)
LANSING—*Lansing Co. (Gum & Cottonwood Box Lumber, etc.)
LUDINGTON—Carrom Co. (Backing Lbr.)
Cartier, A. E. Sons Co.
Stearns & Culver
Stearns Salt & Lumber Co.
MANCELONA—*Antrim Iron Co. (Saw Mill)
MANISTEE—*Buckley & Douglass Lumber Co. (Timber, Lath & Shingles)
*Sands Louis Salt & Lumber Co. (Pine, also Lath & Shingles)
MANISTIQUE—*Consolidated Lumber Co. (Saw and Planing Mills)
MANTON—*Clark F. N. (Hemlock Bark & Timber)
MAPLE RAPIDS—*Jones Jas. E. (Saw Mill & Oar Mfr.)
MARION—Wagner J. B. (Shingles)
MARQUETTE—§De Haas N. G.
Marquette Box & Lumber Co.
Schneider & Brown Lumber Co.
MASONVILLE—Stack Lumber Co.
MAYFIELD—*Gibbs Mrs. J. L. (Saw & Shingle Mill)
MENDON—Austin Frank Co. (Lumber & Planing Mill)
MENOMINEE—Crawford Mfg. Co. (Boxes)
*Crawford Cedar Co. (White Cedar)
*Girard Lumber Co. (Pine, Hemlock, Hardwood & Cedar Lumber, Lath, Pickets & Piling)
§Huebel C. J. Co. (Lumber, White Cedar Poles, Posts & Shingles)
*Mansfield, Walter C.
*Menominee River Shingle Co. (Cedar Shingles)
*Menominee White Cedar Co.
Peninsula Box & Lumber Co. (Box Shooks & Boxes)
*Sanford & Treadway (Basswood)
§Spies, Thompson Lbr. Co. (Pine, Hemlock & Cedar Lumber, Lath & Shingles)
*Wells John W. Lumber Co. (Pine, Hemlock, Hardwood & Cedar Lumber, Lath & Shingles)
MIDDLETON — *Middleton Coperage Co.
MIDLAND—*Brown C. (Lbr & Planing Mill)
MONROE—§Sterling W. C. & Son Co. Hardware & Hemlock)
MUNISING—Munising Co. (Hemlock & Hardwood)
Superior Lumber & Cedar Co., Inc. (Saw & Planing Mills)
MUSKEGON — Sanger Lumber Co. (Saw Mill, Lumber), Saw Mills at Sanger, Cal.
NADEAU—*Nadeau Bros. (White Cedar & Hardwood)
Charcoal Iron Co. of America (Saw Mill)
NAHMA—*Bayde Noguet Co. (Saw Mill)
NEWBERRY — Lake Superior Iron & Chemical Co. (See Detroit, Mich.)
NORTHPORT — Kehl Mercantile Co. (Wood, Bark, Ties)
ONAWAY—*American Wood Rim Co.
*Lobdell Emery Mfg. Co. (Hardwood Lumber, Shingles, Maple Flooring, Ties, Poles & Posts)
ONTONAGON—Worcester C. H. Co.
Hawley John (Saw & Planing Mills)
*Greenwood Lumber Co. (Saw & Planing Mills)
OSCODA—*Solomon-Hayes, Cowley Co. (Saw Mill)
PARK LAKE—*Du Roy Mfg. Co. (Lumber & Handles)
PELLSTON—*Pellston Planing Mills
Jackson & Tindle (Saw Mill)
PENTWATER—*Sands & Maxwell Lumber Co.
PEQUAMING—*Hebard Chas. & Sons (Saw & Shingle Mill)
PETOSKEY—*McManus W. L. Lumber Co. (Hardwood & Soft Lumber)
Michigan Maple Block Co. (Lumber & Butchers' Blocks)
PORT HURON—§Haynes Lumber Co. (Lath, Shingles, Lumber, Posts, etc)
RAPID RIVER—Madden Jerry Shingle Co. (Shingles, etc)
REED CITY—*Horner Wm. (Hardwood Flooring)
*Welsh & Kerry Co. (Flooring)
ROSE CITY—Rose City Mfg. Co. (Cooperage Stock)
ST. IGNACE—Jones & Kerry Lumber Co.
SAGINAW—§Batchelor Timber Co. (Saw Mill & Lumber)
*Bliss & Van Auken (Maple Flooring)
*Booth & Boyd Lumber Co. (Lumber, Lath, Shingles & Mill Work)
Brewer F. P. & W. A. (Timber, etc)
*Briggs & Cooper Co. (Ltd.), (Pine, Oak, Ash, Cedar Shingles, etc)
Cornwell Lewis (Estate of) (Saw Mill, Lumber)
*Eastman S. L. Flooring Co.
§Eddy C. K. & Sons Inc. (White Pine Lumber & Logs)
§Fleischman John L. (Hardwoods)
§Fordney J. W. (Lumber & Logs)
*Furstenberg Bros. (Planing Mill Lumber)
§Galloway-Pease Co.
*Gardner, Peterman & Co. (Cooperag, Stock & Shingles)
Germain & Boyd Lumber Co. (Saw & Planing Mill)
§Hill Arthur & Co. (Ltd.), (Pine Lumber)
Hill-Drummond Lumber Co.
Kuehl L. & Co. (Tan Bark & Lumber)
Markey Wm. T. (Hardwood, Lumber & Shingles)
*Mershon, Eddy Parker Co. (Lumber, Box Shooks, Shingles, Laths & Mill Work)
Richardson E. Co. (The) (Timber)
§Rupp J. J. (Pine Logs & Lumber)
*Strable Lumber & Salt Co. (Hardwood)
Wylie & Wilson (Slack Cooperage Stock for Flour, Sugar, Cement, etc)
SAGOLA—Sagola Lumber Co. (Saw & Planing Mills)
SAULT STE MARIE—*Chicago Mill & Lumber Co. (Saw Mill)
Kelly Lumber Co (Saw Mill)
SEBEWAING—*Liken & Bach (Stable & Heading)
SHELLDRAKE — *Bartlett Lumber Co. (Saw Mill)
SIDNAW—*Prickett Walter S. (Timber, etc)
STANDISH—Hall, C. F. Milling Co.
TEKONSHA—Randall A. H. Mill Co (Saw Mill)
THOMASTON—Valley City Lumber Co., Ltd. (Saw & Planing Mills)
TRAVERSE CITY—*Greilick Mfg. Co. (Lumber, Planing & Saw Mill)
Hull-Longnecker Co. (Lumber)
Smith & Hull Co. (Timber, Logs, Bark & Wood)
*Williams W. E. Co.
TROUT CREEK—Trout Creek Mfg. Co.,
*Weidman & Son Co. (Hardwoods & Hemlock)
THOMPSON—*Chesbrough, A. M. (Saw Mill)
TROUT LAKE—Wilwin Co., Ltd. (Saw Mill)
TWINING—*McCready John (Saw Mill & Lumber)
VANDERBILT—Olds & Hixson (Stave Mfrs)
Yuill Bros. (Loggers)
VERMONTVILLE — Fuller Bros. (Saw Mill)
WALLOON LAKE—Walloon Lake Lumber & Shingle Co.
WATERS—Stephens Henry & Co.
WELLS—*Stephenson I. Co. (Flooring Maple, Maple, Clear & Bird's-eye Maple, Clear & Bird's-eye Maple Flooring, Clear & Red Birch Flooring, etc)
WHITEHALL—*Covell Lyman T. (Lumber, Lath & Shingles)
*Nufer Cedar Co. (Lumber, Shingles & Tin Plate Boxes)

## MINNESOTA.

ADA—*Wild Rice Lumber Co.
AITKIN—Hodgeden & McDonald (Saw Mill)
Knox Lumber Co. (Lumber)
AKELY—Red River Lumber Co. (California White & Sugar Pine, Cut Sash & Door Stocks & Box Shooks)
ALBERT LEA—Minnesota Lumber Co.
BEMIDJI—Crookston Lbr. Co. (Northern Pine & Hemlock)
BIG FALLS—Duluth Log Co. (Saw & Planing Mills)
BIWABIK—§Colvin-Robb Lumber Co.
CASS LAKE—*Neils J. Lumber Co. Dimension & Timbers; also Boards & Strips Sawed from Norway White Pine; also at Sank Rapids, Minn.)
CLOQUET—*Cloquet Lumber Co. (White Pine Lumber & Saw Mill)
Cloquet Tie & Post Co.
*Johnson-Wentworth Lumber Co. (White Pine Lumber, Lath & Shingles, Saw Mill)
*Northern Lumber Co. (White Pine Lumber)
CROOKSTON—*Crookston Lumber Co. (White Pine)
DEER RIVER—Itasca Lumber Co. (Saw & Planing Mills)
DETROIT—*Bakke S. W. Lumber Co.
DULUTH—*Alger, Smith & Co.
*Burns Lumber Co.
*Duluth Log Co. (Wholesale Posts, Poles, etc)
Duluth Lumber Co.
*Duluth Tie & Pulpwood Co.
*Heimbach Lumber Co.
§Martin Bros. (Ties & Poles)
*National Pole Co.
*Red Cliff Lumber Co. (Lumber, Lath & Shingle)
*Scott-Graff Lumber Co. (Lumber, Lath, etc)
†Shaw P. M. Jr. & Co.
*Swallow & Hopkins, Exchange bldg
*Virginia & Rainy Lake Co.
*Waters, Clark Lumber Co.
*Woodruff Lumber Co.
FAIRBANKS—Dunka River Lumber Co. (Saw & Planing Mills)
FRAZEE—Nichols-Chisholm Lumber Co.
LITTLE FALLS—*Pine Tree Mfg. Co. (White Pine & White Cedar Posts, Shingles, etc)
MAYNARD—*Maynard Lumber Co.
MINNEAPOLIS—American Lumber & Cedar Co., 209 Lumber Exchange
Barnard Arthur H., National Life bldg
Bartelme Co., E Henn & 6th av, S E
*Bell Lumber Co. (Pine, Hemlock & White Cedar Products) Security Bank bldg.
*Bovey-Shute Lumber Co., 1210 McKnight bldg
*Bowman S. H. Lumber Co., Lumber Exchange
Brooks-Scanlon Lumber Co., Plymouth bldg.
§Burkholder Lumber Co., 917 Marquette av
Carpenter W. I. Lumber Co. (Red Cedar Shingles, Siding & Finish, Spruce & Fir), 504 Lumber Exchange
Cedar River Lumber Co., 914 Plymouth bldg.

MINNESOTA—Minneapolis—continued

*Central Lumber Co. (Mixed car lots of Wash'n Fir, Spruce, Cal. Redwood, Hardwood Flooring, Red Cedar, Basswood, Wagon Shook, **Bridge Planks, etc.) McKnight bldg.**
**Central Warehouse Lumber Co., Pillsbury & Territorial**
**Coolidge & Schussler (Ties,, Poles & Posts, Cedar Poles & Posts), Metropolitan Life bldg**
*Crookston Lumber Co. (Northern **Pine & Spruce) First National Soo** Line bldg.
§De Laittre-Dixon Lumber Co., 1201 20th av N
Dolliff L. P. & Co., 615 Lumber Ex. bldg
§Fullerton Krueger Lumber Co., 915 Lumber Exchange
*Fullerton Lumber Co.
Gipson Lumber Co., 405 Lumber Exchange
Glass J. E. Lumber Co., 1129 Plymouth bldg.
International Lumber Co., Andrus bldg.
*Itasca Lumber Co. (White Pine, Spool Birch, Minn. Poplar, White Cedar Lumber, Ties, Poles & Posts, Cedar Poles & Posts), Lumber Exch.
Learned Lumber Co., 711 Lumber Exchange
Leech Lake Lumber Co., 1128 Plymouth bldg.
§Lewis F. H. (Fir Timber & Idaho Cedar Poles) 636 Lumber Exchange bldg.
Libby Lumber Co.
*McCoy Lumber Co. (Pacific Coast Products) Security Bank
McCulloch-Moss Lumber Co., 310 Lumber Exchange
§Melone-Bovey Lumber Co., 1228 S 4th
§Minneapolis Lumber Co., 943 Lumber Exchange
Morrison J. W. Lumber Co., 927 Lumber Exchange
Nichols-Chisholm Lumber Co.
North Coast Lumber Co., Lumber Exchange
Northern White Cedar Ass'n, Lumber Exchange
*Northland Pine Co. (White & Norway Pine), 1645 Henn av
§Osborne & Clark (White Oak Dimension, Basswood Finish, Box Boards, Siding & Ceiling, Maple **Axles, Wagon Tongues & Hardwood Flooring) 300 Lumber Exchange**
**Page & Hill, 812 Plymouth bldg.**
*Park Rapids Lumber Co.
Parker-Kellogg Lumber Co., Lumber Exchange
*Partridge T. M. Lumber Co. (Hemlock, Pine & Hardwood Lath, Northern Pine & Hemlock Lumber, **Ties, Poles & Posts) 730 Lumber Exchange**
*Pendleton & Gilkey, McKnight bldg.
§Red Diamond Lumber Co., 1200 Central av
*Red River Lumber Co. (White & Norway Pine, Lumber, Lath & **Box Shooks) 807 Hennepin av.**
Robertson Lumber Co., 1st National Soo Line bldg
**Schuette Wm & Co. 642 Lumber Exchange**
*Shevlin-Carpenter & Clark Co. (White Pine, Lumber, Lath & Shingles), 112 Lumber Exchange
Shevlin-Hixon Co. (Idaho, Montana & Cal. Pine)
Smith Payson Lumber Co., 1015 Plymouth bldg.
§Standard Cedar & Lumber Co. (White Cedar Poles, Posts & Shingles, Pine, Hemlock & Hard**wood Lumber) 511 Lumber Exchange**
Stuhr Lumber Co., 936 Lumber Exchange
Thief River Falls Lumber Co. Security bldg
Thompson B. N. Co., 620 Lumber Exchange
Three States Cedar Co,, 1102 Plymouth bldg
Valentine-Clark Co.
*Waite H. B. Lumber Co. (**Wash'n Fir, Spruce & Red Cedar Lumber,** Cal. Redwood Lumber & Shingles, Wash'n Red Cedar Shingles, **Flooring, Siding, etc). Security bldg.**
§Wallace-Ballord Lumber Co., Lumber Exch.
NORTHOME—Island Lake Lumber Co. (Saw Mill)
RED WING—*Forest Products Co. (Hardwood)
ST. PAUL—*Brooks Bros. (Northern Pine, Yellow Pine, mixed car lots, etc) **1928 University av.**
Citizens Lumber Co., Pittsburgh av. & Territorial rd.
Gribben Lumber Co., Chicago & Walker
***Martin John Lumber Co., 217 Como av.**
Rich-Simons Lumber Co., 460 Cleveland av
*Weyerhaeuser & Co. (White Pine) **Merchants National Bank bldg.**
SARTELL—Sartell Bros. Co. (Saw & Planing Mills)
SAUK CENTER—Independent Lumber & Coal Co.
SOUTH STILLWATER—*Anderson Lumber Co.
SPOONER—*International Lumber Co. (Saw & Planing Mills)
*Rainy River Timber Co.
STILLWATER—*Interstate Lumber Co., McGrath Jas. E. (White Pine)
*Tozer David Co. **(White Pine)**
THIEF RIVER FALLS—*Thief River Falls Lumber Co.
VIRGINIA—*Bailey W. T. Lumber Co. (Saw Mill)
*Virginia & Rainy Lake Co. (Saw & Planing Mills)
WHITE PINES — McGrath James E. (White Pine)
WINONA—*Botsford Lumber Co.
***Doud Sons & Co. (Hardwood &** Hemlock)
*Hayes-Lucas Lumber Co.
WINTON—St. Croix Lumber & Mfg. Co. (Saw & Planing Mills)
*Swallow & Hopkins (Saw Mill)

## MISSISSIPPI.

ACKERMAN—Alford Mfg. Co.
§Choctaw County Lumber Co. (Saw & Planing Mills)
ARBO—Lumber Mineral Co. (Yellow Pine)
ARCADIA—Blanks, H. B. Lumber Co. (Saw Mill)
BATESVILLE—Darnell, R. J., Inc. (Saw Mill)
BAYLAND—Bayou Land & Lumber Co. (Saw Mill)
BAY ST. LOUIS—Wena Lumber Co. (Saw & Planing Mills)
BELZONI—Alexander Bros. (Saw Mill)
§Belzoni Hardwood Lumber Co. (Saw Mill)
BENMORE—Canal Lumber Co. (Saw Mill)
BENTONIA—*Link, Newcomb Mill & Lumber Co. (Hardwood)
BLAINE—Gayoso Lumber Co. (Saw Mill)
BLODGETT—Griffin, J. M. (Saw Mill)
BOGUE CHITTO—*Brister B. E. Mercantile Co. (L. Yellow Pine)
BOND—Bond Lumber Co. (Saw Mill)
BUDE—Homochitto Lumber Co. (Saw & Planing Mills)
BURDETT—*§Wilcox, J. B. & Co. (Saw Mill)
BURNSVILLE—Burnsville Mercantile Co. (Saw Mill)
*§Smith-Fay Lumber Co. (Saw & Planing Mills)
BROOKHAVEN—*Butterfield C. S. Co. (Yellow Pine Lumber & Lath)
CANTON—*Mississippi Soft Pine Co. (Saw & Planing Mills)
CATCHINGS—Belzoni Hardwood Lumber Co. (Saw Mill)
CHARLESTON—§Lamb-Fish Lumber Co. **(Band Sawed Oak, Gum & Cy**press, etc)
CHICORA—*Robinson Land & Lumber Co. (Yellow Pine, Timber & Rift Flooring)
CLARKSDALE—*Davis, Henry J. & Co. (Saw Mill)
§Sunflower Lumber Co. (Saw Mill)
CLYDE—*Lamar Lumber Co. (Saw & Planing Mills)
**COLLINS—*Wood W. C. Lumber Co. (Yellow Pine)**
COLUMBIA—White J. J. Lumber Co. **(Yellow Pine)**
COLUMBUS—Columbus Lumber Co. **(Saw** & Planing Mills)
Pate D. S. Lumber Co. (Hardwood)
CORINTH—Berkheiser, W. H. (Planing Mills)
Elledge, M. M. Lumber Co. (Saw Mill)
Pocahontas Lumber Co.
*Small W. E., Spoke Mfg. Co. **(Spokes)**
CUMBERLAND—Pritchard Bros. (Saw Mill)
CYBUR—*Cybur Lumber Co. (Saw & Planing Mills)
DEEMER—New Deemer Mfg. Co. (Saw & Planing Mills)
D'LO—Finkbine Lumber Co. (Saw & Planing Mills)
ELECTRIC MILLS—*Sumter Lumber Co. (Short Leaf Yellow Pine)
EPLEY—Mayor-Sowers Sawmill Co. (Saw Mill)
ESTES—Estes Lumber Co. (Saw Mill)
FERNWOOD—*Enochs Bros. Yellow **Pine)**
***Fernwood Lumber Co. (L. L. Yellow** Pine)
FOREST—*Bienville Lumber Co. (Saw & Planing Mills)
GATESVILLE—Grantham Bros. (Saw Mill)
GLENDORA—*Churchill-Milton Lumber Co. (Saw Mill)
GLOSTER—*§Gloster Lumber Co. (Saw & Planing Mills)
GREENVILLE—Alexander H. N. & Sons
Leavenworth J. H. & Son (Saw Mill)
Wineman A. G. & Sons (Saw Mill)
GREENWOOD—*Churchill-Milton Lumber Co. (Saw Mill)
HAMILTON—Booth, A. W. (Saw & Planing Mills)
HATTIESBURG—*American Lumber &
*Brookhaven Lumber & Mfg. Co. (Yellow Pine)
*Firm Lumber Co.
*Hettler Herman H. Lumber Co. **(Branch of Chicago, Ill.)**
*Newman J. J. Lumber Co. (Yellow Pine), Mills, Sumrall, Miss.
***Nicola, Stone & Meyer Co. (Branch** of Cleveland, O.)
**Tatum Lumber Co. (Saw Mill)**
*Toomer, P. J. Lumber Co. (Saw & Planing Mills)
HIGHT—Norapater Lumber Co. (Saw Mills)
HAZLEHURST—*Hazlehurst Lumber Co. **(Yellow Pine)**
HILLSDALE—Southern Lumber & Timber Co. (Saw Mill)
HINCHCLIFF—§Taylor & Crate (Saw & Planing Mills)
HOULKA—*Ferguson & Palmer Co. (Saw Mill)
HOWISON—Native Lumber Co. (Saw & Planing Mills)
ISOLA—Bellgrade Lumber Co. (Saw & Planing Mills)
ISSAQUENA—Issaquena Lumber Co.
**JACKSON—*Enochs Yellow Pine Co. (Yellow Pine)**
Faust Bros. Lumber Co. (Hardwoods, Popular & Red Gum)
Finkbine Lumber Co. (Saw & Planing Mills)
*Maley Henry Lumber Co. (Saw Mill)
Mercantile Lumber Co. (Yellow Pine)
Trenton Lumber Co. (Yellow Pine)
***Yellow Pine Lumber Co (Long Leaf** Yellow Pine)
JOSEPHINE—Brashears, W. I. (Saw Mill)
KILN—*Jordan River Lumber Co. (Saw & Planing Mills)
**KNOXO—Swift Lumber Co.**
**KOLA—*Kola Lumber Co. (Yellow Pine)**
LAKE—Du Bois John E. (Saw Mill)
LAUREL—*Eastman Gardiner & Co. (L. L. Yellow Pine & Hardwood)
Gilchrist-Fordney Co. (Southern Yellow Pine, Cypress)
*Lindsey John Lumber Co.
*Marathon Lumber Co. (Yellow Pine)
**Wausau Southern Lumber Co. (South** ern Yellow Pine, Cypress)
**LELAND—Darnell-Love Lumber Co.**
LOGTOWN—*Weston H. Lumber Co. (L. L. Yellow Pine)
LOUIN—*Fouke, Geo. W. Lumber Co (Saw Mill)
LOUISE — *Barr-Holaday Lumber Co (Saw Mill)
Bellgrade Lumber Co. (Saw Mill)

LOUISVILLE—Schoyer A. C. Lumber Co (Saw & Planing Mills)
LUMBERTON—*Hinton Bros. Lumber Co
*Hines Edw. Lumber Co. (Saw & Planing Mills)
LYMAN—Ingram-Day Lumber Co. (Saw Mill)
McLAIN—*Coleman Green Lumber Co.
Ferguson S. J. Lumber Co.
MACON—Sherrod, W. L. (Saw Mills)
MENDENHALL—*Gulledge Lumber Co (Saw & Planing Mills)
MERIDAN—Gray C. L. Lumber Co.
*Acme Bldg. Sup. Co. (Planing Mill)
§Darrah, R. F. Lumber Co. (Saw Mill)
Gray C. L. Lumber Co.
Gulf States Lumber Co. (Yellow Pine)
§Hart J. L. Lumber Co. (Saw & Planing Mills)
Southern Planing Mill
Tartt, J. E. (Saw Mill)
MERRILL—Merrill, F. B. Co. (Saw Mill)
MILLARD—*Baston-McGehee Co. (Saw & Planing Mills)
MIZE—Cooley Bros. Lumber Co. (Saw Mill)
MONTROSE—Montrose Lumber Co. (Saw
MOORHEAD—Kraetzer Cured Lumber Co. (Saw & Planing Mills)
*Kraetzer Cured Lumber Co. (Saw & Planing Mills)
*Rich W T. Lumber Co.
MORTON—*Hall & Legan Lumber Co. (Saw & Planing Mills)
MOSS POINT—*Dantzler L. N. Lumber Co. (Yellow Pine & Rift Flooring)
*Bounds J. (Saw Mill)
McIntosh Lumber Co.
O'Leary Mill Co. (Saw & Planing Mills)
NATCHEZ—*Learned R. F. & Son (Cypress)
NEW AUGUSTA—Tallahala Lumber Co. (Saw & Planing Mills)
NEWTON—Chapman, H. T. (Saw Mill)
NOXAPATER—Perry-Fraser Lumber Co. (Saw Mill)
Winston Lumber Co. (Saw & Planing Mills)
Tallahala Lumber Co.
ORANGE GROVE—Miller T. J. (Saw Mill)
Orvisburg Cecil Lumber Co.
PADEN—Haynes-Walker Co. (Saw Mill)
Nixon C. K. (Planing Mill)
PASCAGOULA—*Scranton Shingle Co.
PELAHATCHEE—*Gammill Lumber Co.. (Saw and Planing Mills)
PERCY—*Triangle Lumber Co. (Saw Mills)
PETAL—*McInnis Lumber Co. (Saw & Planing Mills)
PHILADELPHIA—Dewees-Rogers Lumber Co. (Saw Mill)
§Henderson-Molpus Co. (Saw & Planing Mills)
PHILIPP—*Tallahatchie Lbr. Co. (Hardwood)
PICAYUNE—*Rosa Lumber Co. (Saw Mill)
PINEBUR—Price F. V. B. & Co. (Saw Mills)
PLANTERSVILLE—Repult J. W. (Saw Mill)
POPLARVILLE—Dupont Lumber Co., Inc., (Saw & Planing Mills)
QUITMAN—Long-Bell Co. (Saw & Planing Mills)
RED LICK—Wood-Russ Lumber Co. (Saw & Planing Mills)
RICHTON—Richton Lumber Co. (Saw Mill)
SANFORD—*Ship Island Lumber Co. (Yellow Pine)
SAPA—*Miller Lumber Co. (Saw & Planing Mills)
SARDIS—*Carrier Lumber & Mfg. Co. (Hardwood Lumber & Bent Woodwork, Red Gum, Oak Flooring & Rotary Cut Veneers)
SHUBUTA—*Brownlee Lumber Co. (Saw & Planing Mills)
SHUQUALAK — *Futvoye-Paterson Co. (Saw & Planing Mills)
SIDON—Brown & Gregory (Saw Mill)
STEPHENSON—Foster Creek Lumber Mfg. Co. (Saw & Planing Mills)
SUMMIT—Craft W. H. (Saw Mill)
SUMRALL—*Newman J. J. Lumber Co. Office: Scranton, Pa.
SUNFLOWER—*Ward Lbr. Co. (Saw Mill)
TEN MILE—*Ten Mile Lumber Co. (Yellow Pine)
TOMNOLEN—*Pellez F. (Saw & Planing Mills)
UNION—*Buckwalter J. R. Lumber Co. (Saw & Planing Mills)
Southern Planing Mill
VICKSBURG—*Anderson-Tully Co. (Saw & Planing Mills)
*§Houston Bros. (Hardwoods, Yellow Pine & Cypress)
WAYNESBORO—Wetherbee-Huggins Co. (Yellow Pine)
WIGGINS—*Finkbine Lumber Co. (Saw & Planing Mills)
WINCHESTER—Meador J. G. (Saw & Planing Mills)

## MISSOURI.

BETHANY—Ashby Bros. Lumber Co.
*Miner & Frees Lumber Co.
BUCODA—Hemphill Lumber Co. (Saw Mill)
BUNKER—*Bunker-Culler Lumber Co.
BUTLER—Logan-Moore Lumber Co. (See Kansas City, Mo.
CANTON—Canton Planing Mill Co. (Saw Mill)
CAPE GIRARDEAU—*Himmelberger-Harrison Lumber Co. (Gum, Oak, etc)
*Leming M. E. Lumber Co.
COFFEY—§Crossan, Miner & Frees
DEERING—Wisconsin Lumber Co. (Saw Mill)
DES ARC—*Graves & Stamp
DEXTER—Disher Anderson E
FREDERICKTOWN — *Fredericktown Lumber Co. (Yellow Pine & Oak Lumber & Mfrs. Wagon Hubs)
GIDEON—*Gideon-Anderson Lumber & Mercantile Co. (Hardwood)
GLASGOW—*Rall Bros. (Hardwoods, Native)
GRANDIN—*Missouri Lumber & Mining Co. (See West Eminence)
HARRIS—Durman L. C. (Saw Mill)
HARVIELL—*Mangold Stave & Cooperage Co. (Lumber, Beer & Wine Casks, Staves & Headings). (See St. Louis)
JOPLIN—§Stewart Lumber Co.
KANSAS CITY—*American Sash & Door Co.
*Anson Shingle & Lumber Co.
Arkansas Short Leaf Lbr. Co. (Pine, Oak, Gum, Elm, & Ash), R. A. Long bldg.
*Badger Lumber Co., 3401 E 15th
§Bernardin J. M. Lumber Co. (Yellow Pine)
*Bowman-Hi ks Lumber Co. (Yellow Pine)
Byrne-Renfro Lumber Co. (Cypress & Shingles)
*Buchanan Wm. (Yellow Pine)
Caddo River Lumber Co. (Yellow Pine) R. A. Long bldg.
Cameron Lbr. Co., Long bldg.
*Carter C. J. Lumber Co. (Short Leaf Yellow Pine Finish Flooring & Siding) R. A. Long bldg.
*Central Coal & Coke Co. (Yellow Pine), Keith & Perry bldg
*Chapman & Dewey Lumber Co. (Hardwood) Rialto bldg.
Chatten S. H. Lumber Co. & Inter State bldg.
§Chicago Lumber & Coal Co., R. A. Long bldg
Choctaw Lumber Co. (Yellow Pine)
*Connelly Hardwood Lumber Co. (Oak, Ash, Cypress, etc) 180 Indiana av
Delta Land & Timber Co.
Dickason Goodman Lumber Co., K. & P. bldg.
Dierks Lumber & Coal Co. (Oak, Southern Yellow Pine, Cypress, Oak) Gates bldg.
Doniphan Lumber Co. (Yellow Pine), Mills: Kensett, Ark.
Forest Lumber Co. (Cypress, Southern Yellow Pine), R. A. Long bldg
*Foster Lumber Co. (Yellow Pine) R. A. Long bldg.
§Hope Geo. D. Lumber Co. (Yellow Pine), R. A. Long bldg
*Ingham Lumber Co. (Arkansas Lumber) R. A. Long bldg.
*Leidigh & Havens Lumber Co. (Yellow Pine) R. A. Long bldg.
§Logan-Moore Lumber Co.
*Long-Bell Lumber Co. (Yellow Pine)
§Matthews C. E. Lumber Co.
*Merrill & Co. (Hardwood), 1700 Brooklyn av,
*Missouri Lumber & Land Ex. Co. (Missouri & Louisiana Yellow Pine & Oak Flooring), R. A. Long bldg
*Penrod Walnut & Veneer Co. (Black Walnut)
*Pickering W. R. Lumber Co. (Yellow Pine, R. A. Long bldg. Mills: Pickering, La.
Smith M. R. Lumber & Shingle Co.
KENNETT—*Hemphill Lumber Co. (Saw & Planing Mills)
LEETON—*Leeton Lumber Co.
LOUISIANA—La Crosse Lumber Co.
MARQUAND—*Whitener J. Q. D. Land & Lumber Co. (Saw Mill)
MOREHOUSE—*Himmelberger - Harrison Lumber Co. (Red Gum, White & Red Oak, Ash, Elm & Cypress, Rough, Dressed & Worked to Order)
MOUNTAIN GROVE—Landers & Barker Co. (Saw & Planing Mills)
NEW MADRID—*Loud Mrs. E. A. (Staves & Lumber)
*Mann & Garanflo Land & Lumber Co.
PACIFIC—Koppitz-Smith Mill Co.
POPLAR BLUFF—*Ferguson & Wheeler
§Galloway-Pease Co. (Saw Mill)
*Hargrove & Ruth Lumber Co.
*Ruth Lumber Co.
PORTAGEVILLE—Haines E. C. (Lumber Saw & Planing Mill)
POTOSI—§Cordia Tie & Lumber Co. (Saw & Planing Mills)
Potosi Tie & Lumber Co. (Saw Mill)
RIDGEWAY—Miner & Frees Lbr. Co.
ROCKBRIDGE—Harwood S. F. (Saw & Planing Mills)
ST. JOSEPH—Collier-Adams Mfg. Co.
§Nold C. H. Lumber Co.
ST. LOUIS—*American Hardwood Lumber Co. (Oak, Poplar, Ash, etc.), Main & Dock
Antrim Lumber Co. (Cypress Yellow Pine & Shingled), Wright bldg
*Bagnell Timber Co. (R. R. Ties), Title Guaranty bldg
§Banner Lumber Co., 7353 Manchester
§Berthold & Jennings Lumber Co. (Long Leaf Yellow Pine, Oak & Cypress Lumber, Bridge Timbers, Piling & Telegraph Poles) Arcade bldg
Boeckeler Lumber Co. (Yellow Pine) White Pine), Hall & Mallinckrodt
Boynton Land & Lumber Co., 915 Olive
*Buchanan Wm. (Yellow Pine), Arcade bldg
*Chicago Mill & Lumber Co. (Yellow Pine, Oak & Cypress, Hemlock & Gum Lumber & Cedar, White Oak & Black Locust Poles, Posts & Pilings, Red Cedar, Cypress & White Pine Shingles, White Pine, Cypress, Yellow Pine Lath), 200 Chonteau av
§Chivvis W. R. (Hardwood), ft. Lafayette av
*Consolidated Saw Mills Co. (Short Leaf Yellow Pine), Arcade bldg
*Egyptian Lbr. Co. (Ties, etc.)
*Ferguson W. T. Lumber Co. (Yellow Pine), Wright bldg
*Frost-Johnson Lumber Co. (Yellow Pine, either Straight or Mixed Cars), Boatmens Bank bldg
§Ganahl Lumber Co., Newstead & Duncan
*Garetson-Greason Lumber Co. (Ash, Oak, Cypress & Gum)
*Garrett T. H. Lumber Co. (Yellow Pine, Saw & Planing Mills), Chemical bldg
§Gavin Stephen J. Lumber Co. (Yellow Pine, etc), 6400 Easton av
*Graham Lumber Co. (Yellow Pine), Wright bldg
*Grayson-McLeod Lumber Co. (Yellow Pine), Wright bldg
§Griffen Geo. M. Lumber Co. (Oak & Cypress Piling, Telephone Poles, Railroad Materials, etc), 5722 Bartmer
§Gruner Philip & Bro. Lumber Co., 4006 N B'way
§Hafner Mfg. Co. (Cypress, Hardwoods, Yellow Pine), Main & Dock
§Hearne Timber Co., Times bldg
*Hogg-Harris Lumber Co. (Long & Short Leaf Yellow Pine), Fullerton bldg

MISSOURI—St. Louis—continued
*Holmes J. A. Lumber Co. (Michigan Lumber, White & Yellow Pine Flooring, Siding, Shingles, Lath, etc; Poplar, Cherry, Ash, Walnut, & Mahogany, Car & Bridge Ash, Walnut & Mahogany, Car & Bridge Timber Specialties), 10th & Spruce
§Huttig Sash & Door Co., 1200 S Vanderventer
*Kimball Phin (Hardwood Saw Mills) Railway Exchange bldg
*Liebke C. F. Hardwood Mills & Lumber Co., 2d & Buchanan
*Lothman Cypress Co. (Louisiana Cypr of Angelica
**Luehrmann C. F. Hardwood Lumber Co. (Ash, Oak, Cypress, Yellow Pine, White Pine & Shingles), 150 Carroll**
*Malvern Lumber Co. (Yellow Pine), Chemical bldg
*Mangold Stave & Cooperage Co., Weber rd & Grand av
*Mechanics' Planing Mill Co. (Cypress), 3742 N B'way
*Miles Geo. W. Timber & Lumber Co. (Yellow Pine), Arcade bldg
§Mosberger Lumber Co. (Hardwoods), 5816 Prescott
*Ozan Lumber Co., Wright bldg
***Ozark Cooperage & Lumber Co., International Life bldg.**
§Powe Thos. E. Lumber Co. (Hardwoods, Cypress Shingles), 24 Branch
*Quellmalz Hy. Lumber & Mfg. Co. (Red Gum & Hardwoods, Oak & Hickory Dimension), Main, bet. Victor & Barton. **Mills: Brookings, Ark.**
Richardson W. H. (Lumber Commission **Hall & Branch**
**St. Louis Lumber Co. (White Pine & Yellow Pine), 2509 S Broadway**
*Sabine Lumber Co. (Yellow Pine), Wright bldg, Mills, Colfax, La.
Scheve J. L. Lumber Co. (Oak & Cypress), Hall & St. Louis av
**Seidel Julius Lumber Co. (Yellow Pine, White Pine, Cypress), 2000 S** Kingshighway
**§Steele & Hibbard Lumber Co. (Hardwood), 3125 N B'way**
*Stewart-Greer Lumber Co.
§Thomas & Proetz Lumber Co., Hall & Angelrodt
§Waldstein Lumber Co. (Hardwoods), 7th & Victor
Walsh Tie & Lbr. Co., Title Guaranity bldg
*Werner Louis Saw Mill Co. (Oak, Ash, Poplar, Gum, Short & L. L. Yellow Pine, Cypress & Cottonwood), Fullerton bldg
***Western Tie & Timber Co., Syndicate Trust bldg.**
*Wilhite Lbr. Co., Wright bldg
SEDALIA—Looney & Bloess Lbr. Co. Sturgis Lbr. Co.
SIKESTON—*Baker-Matthews Mfg. Co. *Matthews Lumber & Mfg. Co.
SMITHVILLE—§Major R. H. & Co.
SPICKARD—Kincade C. C. & Co.
SPRINGFIELD—Hobart-Lee Tie Co. (R. R. Timbers)
WEST EMINENCE—Missouri Lbr. & Mining Co.
WINONA—*Ozark Land & Lumber Co. (Mo. Soft Pine)

## MONTANA.

BONNER—*Anaconda Copper Mining Co. (Pine & Larch)
COLUMBIA FALLS—Montana Western Lbr. Co. (Saw & Planing Mills)
State Lumber Co. (Saw & Planing Mills)
ESSEX—Kalispell Lumber Co. (Saw & & Planing Mills)
HENDERSON—Mann Lumber Co. (Saw & Planing Mills)
HOT SPRINGS—Marquarat Bros. (Saw & Planing Mills)
KALISPELL—*Kalispell Lumber Co. (Lumber Mfrs. & Wholesalers)
*McMannamy W. P. (Saw & Planing Mills)
LIBBY—*Libby Lumber Co. (Mont. Larch **& Western Pine)**
MILLTOWN—*Western Lbr. Co. (Saw & Planing Mills)
MISSOULA—*Polleys Lumber Co. (Saw & Planing Mills)
ST. REGIS—*§Anaconda Copper Mining Co. (Saw & Planing Mills)
Cooper Geo. R. (Saw Mill)
SOMERS—*Somers Lumber Co. (Larch Lumber)
WARLAND—Baird-Harper Lbr. Co. (Saw & Planing Mills)

## NEBRASKA.

GRAND ISLAND—Hurst Sash & Door Co.
HASTINGS—§Oliver Lumber Co.
HUMBOLDT—Philpot Lumber Co.
KEARNEY—*Gilcrest F. H. **Lumber Co.**
LAUREL—Johnson Evers Co.
LINCOLN—*Foster S. A. Lumber Co.
**§Searle & Chapin Lumber Co.**
OMAHA—§Bradford-Kennedy Co.
§Bullard, Hoagland & Benedict (Hardwood)
§Cady H. F. Lumber Co.
§Chicago Lumber Co. (Mo. Soft Pine)
§Dietz C. N. Lumber Co. (Hardwood)
§Dodds Lumber Co. (Long & Short Leaf Yellow Pine, Red Cedar & Cypress)
§Guiou Lumber Co.
§Hampton Lumber Co. (Hardwood)
§Hoagland G. A. & Co.
Nebraska Bridge Supply & Lumber Co. (Red Cedar Posts, Poles, Piling, Oak Piling, Ties, Lumber)
Omaha Hardwood Lumber Co. (Hardwood)
§Walrath-Sherwood Lumber Co.
§Wentworth Lew
SOUTH OMAHA—§Bradford Louis Lumber Co.
§Watkins J. B. § Co.
TEKAMAH—Houston E. C. Lumber Co.

## NEVADA.

VERDI—*Verdi Lumber Co. (Saw Mill)

## NEW HAMPSHIRE.

ALEXANDRIA—Patten S. G. (Saw Mill)
AMHERST—Fuller Lemuel (Saw Mill)
ASHUELOT—*Dickinson's A. Sons (Saw Mill)
AUBURN—Pingree A. W. (Saw Mill)
BARNSTEAD—Drake Bros. (Saw Mill)
BARTLETT—*§Woodstock Lumber Co. (Saw & Planing Mills)
BELMONT—Weeks Jas. H. (Saw Mill)
BEMIS—*Morey Chas. H.
BRENTWOOD—Flanders Chas. (Shingles)
CHESTER—Goldsmith N. W. (Shingles)
CONWAY—*Conway Lbr. Co. (Saw Mill)
*Kennett A. C.
CRYSTAL—*Jackson L. A.
DOVER—Seavey J. F. Lumber Co. (Dealers)
DUBLIN—Knight Arthur J. (Saw Mill & Shingles)
EAST SULLIVAN—Harris W. H. (Saw Mill)
GORHAM—*Libby E. & Sons Co.
*Mainstream Lumber Co.
HAMPTON—*Brown F. B. (Saw Mill)
HOLLIS—Hayden Bros. (Saw Mill)
HOOKSET—*Thompson James
LACONIA—*Cook's Lumber Co. (Staves, Exterior & Interior Finish, Dimension Spruce, Pine & Hemlock, Shingles, Laths, etc)
LEBANON—Flanders George L. (Saw Mill)
LISBON—Conrad Edward J. (Saw Mill)
MANCHESTER—West Side Lumber Co.
MILFORD—*Peirce W. E. & Co. (Lumber, Lath, Shingles, Posts, Mill Work, Finish, etc)
NASHUA—American Box & Lbr. Co. (Saw Mill)
Cook F. D. Lumber Co.
Tolles J. H. & Co.
PARKHILL—Goodnow E. J. (Saw Mill)
PIKE—Pike Mfg. Co. (Saw & Planing Mill)
REED'S FERRY—*Parker E. E. & P.
RICHMOND—*Amidon Frank
ROCHESTER—§Champlin Wm. H.
*Felker Bros. (Lumber & Saw Mill)
*Langley Geo. H. Lumber Co.
Rochester Lumber Co. (Mfrs.)
United Box & Lumber Co.
**SALEM—McLaughlin K. M. (Saw Mill)**
SOUTH KINGSTON—Bartlett W. S. (Saw Mill)
SOUTH TAMWORTH—*Mason W. N.
STRATFORD—*Kimball William H.
SUNAPEE—Rowell W. (Saw Mill)
SUNCOOK—*Blodgett Lbr. Co. (Dimension)
TILTON—Knapp Geo. E. (Saw Mill)
UNION—Farnham J. F. (Saw Mill)
Plummer Geo. L. (Saw Mill)
WARNER—*Carroll E. H. & Son
Ela M. T. (Saw Mill)
WEST BRENTWOOD—Fellows Gertrude F. (Saw Mill)
WEST CHESTERFIELD—Amidon G. F. Saw Mill)
WEST THORNTON—*Veazie W. D. & Co.
WESTVILLE—Peaslee Lumber (Saw Mill)
WILTON—Livermore Hy. H. (Saw Mill)
WINCHESTER — Naramore Edgar H. (Lumber & Pail Staves)
WINDHAM DEPOT—Seavy Geo. E. (Est of), (Saw Mill)
WOODSVILLE—*Stone D. S. Lumber Co. (Saw & Planing Mills)

## NEW JERSEY.

ASBURY PARK—Buchanon & Smock Lumber Co. (Saw Mill, etc)
Lewis Lumber Co.
BERLIN—*Robinson W. B. (Saw Mill)
CALDWELL—*Crane Marcus, S. (Saw Mill)
CAMDEN—*Baird David Co. (Lumber & Saw Mill)
Coles C. B. & Sons Co. (Saw Mill)
***Hadentine** Lumber Co. (Hemlock, Spruce, N. C. Pine & Hardwoods), Mills, Norfolk, Va.
§Humphreys H. & Co.
§Munger & Bennett (N. C. Pine)
§Scudder R. G. & Son
§Smith R. F. & Son
§Stockham Chas. Lumber Co. (Saw Mill)
EGG HARBOR CITY—*Bozarth Lumber Co.
JERSEY CITY—§Baldwin Lumber Co., Garfield av
§Dodge & Bliss Co., West End
§Vanderbeek & Sons, Green
NEWARK—§Bailey & Alling, ft Clay st
§Bockhoven Bros. Co., 132 Astor
§Clark & Co. 515 **Hunterdon (White &** N. C. Pine)
§Collier Eusebius, 494 Broad
§Crowell James, ft Cross (Hardwood)
Glasby J. F. Lumber Co., 9 Badger av
Hill & Mount (Saw & Planing Mills), Essex bldg
**Jones Wm. A. & Son, ft Jones (Saw** & Planing Mill, Pine, Hardwood, etc)
**§Murphy-Hardy Lumber Co., 150 Passaic (Lumber & Planing Mill)**
§Ripley D. & Sons (Lumber & Timber Co.) (Saw & Planing Mill & All Kinds of Lumber & Timber Mouldings, Trimmings, etc.), 77 Commercial
**§Stone & Hershey, 31 Clinton (Spruce, Cypress & N. C. Pine)**
PATERSON—§Stiles E. M.
PEDRICKTOWN—*Straughen B. W. (Saw Mill)
PITTSTOWN—*Deats Emley H. (Saw Mill)
ROCKAWAY—Stickle G. W.
SOUTH SEAVILLE—*Collins Jacob P. Co. **(Saw Mill)**
TRENTON—§Beers R. E. Lbr. Co.

## NEW MEXICO.

ALBUQUERQUE—*Albuquerque Lumber Co.
§Baldridge J. C. Lumber Co.
CIMARRON—Continental Tie & Lumber Co. (Saw & Planing Mills)
DULCE—Pagosa Lumber Co. (Saw & Planing Mills)
EL VADO—New Mexico Lumber Co. (Saw & Planing Mills)
LA MADERA—Hallack & Howard Lumber Co. (Saw & Planing Mills)
LAS VEGAS—Cerro Montoso Lumber Co. (Saw & Planing Mill)
ROSWELL—*Pecos Valley Lumber Co.
WATROUS—Cerro Montoso Lumber Co. (Saw & Planing Mills)

## NEW YORK.

AFTON—Church Bros. (Saw Mill)
ALBANY—Albany Lumber & Planing Mill Co., Inc. (Planing Mill)

§Arnold & Co.
§Crannell Francis F. Lumber Co.
§Easton Cypress Co.
§Eaton W. J.
Hubbell C. T. & Co.
§Hughson & Co.
§Hunter Dexter
§Kibbee A. S. & Son
§Moore R. H. & Zimmerman
§Patton & Co.
Ramsdill & Co. (Planing Mill)
§Robinson John & Co.
Thomson L. & Co. (Pine, Spruce & Hemlock)
Welsh & Grey Lumber Corp.
§White Richard P. (Pine, Spruce & Hemlock)

ALTMAR—Horton Lumber Co.
ALTON—Burns Samuel T. (Saw Mill)
BARKERSVILLE—Mattison George
BATH—*Jones Bros. & Parker (Lumber)
BERNE—Cheeseboro & Sand (Saw Mill)
BINGHAMTON—§Lyons A. J. Sons
BLEECKER—Ernst Frank (Saw Mill)
*Peters' John M. Jr. (Saw Mill)
BLOCKVILLE—Green Bros. (Saw Mill)
BRANT—Calkins Milford (Saw Mill)
BRASHER FALLS—Church Elmore (Saw Mill)
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—§Bartholomew Edw. W. Lumber Co.
§Betts Chas. M. & Co. (Pine, Cypress & Shingles), Hertel av & Niagara River
*Boller Chas. & Sons Co. (Planing Mill), 379 Chicago
*Buffalo Hardwood Lumber Co. (Hardwood), 940 Seneca
*Elias G. & Bro. (Pine, Hemlock & Hardwood Flooring), 965 Elk
Flierl Christian Co., Inc. Planing Mill), 1352 Genesee
§Goodyear Lumber Co. (Penna. White Hemlock, La. & Miss. Yellow Pine, etc), Marine Nat Bk bldg
Graves, Manbert, George & Co. (Pine), ft Hertel av
Hauenstein Alfred G. Lumber Co. (White & Norway Pine), 3050 Main
§Hurd Bros. (Lath, Shingles & Timber), 719 Bailey av
*Jackson & Tindle (Hardwood Lumber, Slack Cooperage & Broom Handles)
§Laidlaw R. Lumber Co. (White Pine Lumber, Lath & Shingles)
§Laycock Lumber Co., Ellicott sq
§McLean Hugh Lumber Co. (Hardwood & Veneers)
*McNeil Lumber Corp., 1767 Filmore av
*Miller Lumber Co. (Hardwood), 893 Eagle
§Mixer & Co. (Mich. White Pine) 168 Franklyn
*Montgomery Bros. & Co. (Yellow Pine & Hardwood)
§Reilly W. W. & Bro., Brisbane bldg
*Standard Hardwood Lumber Co.
*Stewart I. N. (Hardwood), People's Bank bldg
Sullivan T. & Co. (Hardwood; Specialty, Ash & Elm), 2 Arthur
§Taylor & Crate (Hardwood), 2161 Elmwood av
*Yeager Lumber Co., (Hardwood), 932 Elk

BUTLER CENTER—Merrill Willis
CALLICOON—Hermann Martin (Saw Mill)
CANANDAIGUA—Garrett Wm. (Saw Mill)
CARLISLE—Brown Grant (Saw Mill)
CASSVILLE—Carpenter A. L. (Saw Mill)
CASTILE—Elitsac Mfg. Co. (Planing Mill, Wooden Toys & Novelties)
CENTRAL BRIDGE—Ottman Milland (Saw Mill)
CENTRALIA—Littlefield Sidney (Saw & Shingle Mill)
CHARLOTTE—*Upton Co.
CHATHAM—Boright John W. Lbr. Co.
CHENINGO—Hollister & Bryant (Saw Mill)
CHERRY CREEK—Hess C. E. (Planing Mill)
CHESTERTOWN—Maxam Leluel L. (Saw Mill)
CLARKSBURG—Smith J. H. (Saw Mill)
CONIFER—*§Emporium Forester Co. (Saw & Planing Mills)
CRANBERRY LAKE—*§Emporium Forester Co. (Saw & Planing Mills)
CROGHAN—*Lafave J. R. Lumber Co. (Hardwoods)
Steiner Jos. H. (Saw Mill)
CUBA—*Phelps & Sibley Co. (Hardwood, Lumber & Shingles)
*Rowley William M. & Co. (Shingle Mill)
DELEVAN—*Goo & Hopkins
DOLGEVILLE—*Breckwoldt J. & Co. (Saw Mill)
EDWARDS—Woodcock, M. E. (Saw Mill)
ELLICOTTVILLE—Ellicottville Milling Co. (Saw Mill)
Rust & Olin (Saw Mill)
ELMIRA—*Doane & Jones Lumber Co. (Car Trade a Specialty)
FREDONIA—Minter Lumber Co.
GALLUPVILLE—Haverly Bros (Saw Mill)
GARFIELD—Atwater W. H. & Sons (Saw Mill)
GLENS FALLS—*Finch, Pruyn & Co., Inc. (Spruce, Hemlock & Hardwood)
*Kendrick & Brown Co.
GLOVERSVILLE—§Burr Bros. (Lumber & Saw Mills)
*Holden Lumber Co. (Lumber)
Peck A. W. & J. F.
HAGEDORNS MILLS—Chase Stephen (Saw Mill)
HARRISVILLE—Kilbourn R. A.
Kimball & Son
HERMON—Fairbanks R. J. & Sons (Saw Mill)
HOLLAND—Griggs Ichabod N. & Son (Saw Mill)
HUDSON FALLS—§Kenyon Lumber Co. (Saw & Planing Mills)
JAMESTOWN—Jamestown Constr. Co.
Lindbeck Chas. (Planing Mill)
Nelson Bros. (Planing Mill)
§Ross Warren Lumber Co. (Hardwood)
Wilson John T. (Est. of) (Planing Mill)
KINGSTON—*Weeks Theo. (Saw & Planing Mills)
LE ROY—Rogers F. C. (Planing Mill)
LESTERSHIRE—*Lestershire Lumber & Box Co. (Sells Direct)
McKEEVER—*Moose River Lumber Co.
MARATHON—Burgess Jas. S. (Saw Mill)
MARYLAND—Burnside Bros. (Saw Mill)
MEXICO—Ames J. K. (Saw Mill)
MIDDLE GROVE—Colburn Wilford
MIDDLETOWN—§Gordon Lumber Co.
MILLERS MILLS—Grosline W. (Saw Mill)
MONSEY—Requa S. E. (Lumber)
NEW BRIDGE—*Higbie R. W. Co. (Saw & Planing Mills)
NEWBURGH—§Newburgh Lumber Co.
*Newburgh Planing Mill Co.
NEW HAMBURG—*Millard Lumber Co. (White Pine, N. Y. Spruce, Pa. Hemlock & Box Shooks)

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—§Brooklyn Lumber Co. (Timbers), 452 Hamilton av
Bossert Louis & Son, 1335 Grand
§Curtis-Brisbin Lumber Co., 3290 Atlantic av
§Ferguson & Clarke, 517 Flushing av
§Halsted Lumber Co., 529 84th
§Jacobson A. C. & Sons, 81 Bridge
Kells Mill & Lumber Co. (Oak & Cedar Planing & Saw Mills, Cedar Boat Boards & Materials), Java & Provost
§Orr Jno. C. & Co., West c Java
§Wilson C. W. & Co. (Yellow Pine, Timbers, etc), ft Kent

### Boroughs of Manhattan and Bronx.

NEW YORK—§American Lumber Co. (Hardwood, Lumber & Timber), 30 Church
Astoria Mahogany Co., Inc. (Hardwoods Cottonwood), 347 Madison av
*Atlantic Coast Lumber Corp., 1790 B'way
Barker Bond Lumber Co., Inc. (Yellow Pine Lumbers, Flooring, Sheating, Cypress, Oak Lumber & Boards Piling), 405 Lexington av
§Baxter G. S. & Co. (Ties, Piling, Railroad Lumber, etc), 17 William
§Becker C. L. & D. J. Co. (White Pine, Hardwood & Spruce), 290 B'way
§Berry Lbr. Co. (White Pine & Hardwood), 30 Church
§Booth & Lewis Lumber Co. (Southern Pine), Grand Central Terminal
§Burke John F. (Pine, Spruce & Hardwood), 29 W 42nd
§Burton J. H. & Co. (N. C. & Yellow Pine, Rift, Flooring & Cypress), 38 Park Row
*Cape Henry (Hardwood), 52 Vanderbilt av
§Caskey C. R. Lumber Co., 1123 B'way
§Chase, Talbot & Co., 27 William
Chelsea Lbr. Co., 87 Manhattan
§Cooney, Eckstein & Co. (Douglas Fir, Idaho White Pine, Yellow Pine, etc), 66 Broad
§Creed W. R. & Co. (L-L Yellow Pine), 110 W 34th
§Crossley G. R. (Pitch Pine, etc, for Export), 11 William
§Crombie W. M. & Co. (For Export & Domestic Trade), 101 Park
§Delatour A. J. (Hardwood), 176 Cherry
§Dykes Lumber Co., 348 W 44th
§Eckenroth F. & Son (Hardwoods), 921 E 5th
Eifert J. & F. (Saw Mills), 199 Ave D
*Emery Geo. D. Co. (Mahogany & Spanish Cedar), 220 11th av.
§Eppinger & Russell Co. (Yellow Pine), 165 B'way
§Export Lumber Co., 15 William
*Forest Box & Lumber Co. (Saw & Planing Mills), 405 E 4th
§Gardner Wood Co., 3 W 14th
Grant Geo. M. & Co., 30 Church(Hardwoods, White Pine, etc.)
Green A. H. Co. (Box Shooks, etc), 97 Warren
*Gress Mfg. Co., 185 Madison av
Hawes Willard & Co. (Tropical Hardwood Imp.), Lewis & Seventh
*Herrmann H. Lumber Co., E 125th
§Hirsch Lumber Co., 26 Beaver
§Kalt Lumber Co., 324 E 64th
§Langdon C. S. (Pitch Pine & Douglas Fir), 71 Beaver
§Lewis Harry I. 62 Beaver
§McDonald Jno. W. & Son, 106 Wall
§Maloney J. A. & Co. (Yellow Pine & White Oak Timber, Maple Flooring, Spruce & N. C. Pine), 16 Beaver
§Manning Chas. W. (Veneers & Panels, etc), 66 Broad
§Miner Stanley H. (Timber, Piles, Dock Logs, etc), 17 Battery pl
§Monteath J. H. Co. (Cabinet Hardwoods), 202 Lewis
*Montgomery Lumber Co. (Long Leaf Yellow Pine & Cypress), 52 Vanderbilt av, Mills, Suffolk, Va.
*Morgan Co. (White Pine, Idaho Pine, Basswood, Ash, Elm, Maple, Oak, Hemlock, etc; Shingles, White Cedar, Red Cedar & Pine), 21 E 40th
§Mulgrew F. A. & Sons (Mahogany Saw Mills), ft E 8th
§Murchie Horace B. & Co., 58 Pine
*Patterson T. G. (Planing Mill), 637 W 55th
§Peale-Coryell Lumber Co. (Canada Spruce & Hardwoods), 949 B'way
Plunkett-Webster Lumber Co., Inc. (Spruce & Northern Hardwood), 33 W 42nd
§Potter Jos. R. & Co., 270 W 126th
§Rayner J. Co. (Mahogany & Veneers & Foreign Woods), 142 Goerck
§Rennolds J. A. & Bro. (R. R. Piles, Ties, Poles & Posts), 116 Broad
Saulpaugh's J. M. Sons (Saw & Planing Mills), 705 E 11th
§Shepard & Morse Lumber Co. (Cypress, N. C. Pine, etc.), 21 E 40th
§Sherman A. Lumber Co. (White Pine & Spruce), Grand Central Terminal
Simpson, Clapp & Co., 42 Whitehall
§Sizer Robert R. & Co. (Yellow Pine), 15 William
§Slaymaker S. E. & Co. (W. Va. Spruce), 200 5th av

NEW YORK—New York—continued

Southern Pine Sales Corp. (N. C. Pine), Sales Office 1236 Woolworth bldg.
§Storey W. M. Lbr. Co., 150 Nassau
*Thayer T. W. Co., 18 Broadway
§Turner J. C. Lumber Co. (White Pine Red Cedar, Cypress & Poplar), 50 E 42nd
Van Brunt J. C. & Sons (Saw & Planing Mills), 291 Monroe
*Wayne Lumber Co. (Hardwoods, Maple & Birch), 110 W 40th
Williams I. T. & Sons, 11th av & 25th

Borough of Richmond.

TOMPKINSVILLE—Edgewater Sawmills Co. (Saw & Planing Mills)

Borough of Queens.

LONG ISLAND CITY—Eppinger & Russell Co. (Yellow Pine), 1st

**(End of New York City)**

NORTH TONAWANDA—Alliger Box & Lumber Co. (Box Shooks, Box Lumber, Crating, etc)
§Gillespie Jas. (Whol Comm)
§Haines Lumber Co. (Pine & Red Cedar Shingles)
§Jones R. T. Lumber Co.
§Kelsey W. E. & Son
§Large Bros., Lumber Co.
§Mackenzie J. P. (Whol Lumber)
§Phillips C. R. & Co. (Fir, White & Yellow Pine)
§Silverthorne Lumber Co. (Lumber & Shingles)
§Smith, Fassett & Co. (White Pine)
§Smith M. M. (Whol Commr)
*Thompson, Hubman & Fisher (Planing & Lbr Mills)
§Transfer Lumber & Shingle Co. (Red & White Cedar Shingles, Red Cedar & Spruce Bevel Siding & Spruce Factory)
Transfer Stained Shingle Co. (Shingles)
Twin City Lbr. Co.
§Weston A. & Son
*White, Gratwick & Mitchell (Lbr. & Planing Mills)
OGDENSBURG—*Proctor Mfg. Co. (Lumber & Mill Work)
*Skillings, Whitney & Barnes Lumber Co. (White Pine)
ONEONTA—Briggs Lbr. Co.
PARISHVILLE—Clark S. L. & Son (Lumber, Butter Tubs, etc)
PARKERS—*Parker L. B. (Spruce & Hardwood Flooring)
PERRY—Andrus David (Saw Mill)
PERU—*Mason G. & Sons
PHELPS—Fridley Seymour (Saw Mills)
PIFFARD—Shattuck T. N. (Heading & Staves)
PIKE—Powers Wm. (Saw Mill)
PITCHER—Bennett Geo. W. (Saw Mill)
POINT ROCK—Bates Orson C.
PORTER CORNERS—Jones John S (Saw Mill)
RANDOLPH—Wilson Lydell L.
ROCHESTER—§German-American Lumber Co.
§Hollister Lumber Co. (Hardwood & Pine)
§Miller John (White Oak & Pine)
§Morse Wm. B. Lumber Co. (Hardwoods, Pine & Hemlock, Shingles etc)
Valley Creek Lumber Co. (Hardwood)
ROME—Comstock Edward Co.
ROUSES POINT—*Millard Lumber Co. (Lumber & Box Shooks, Pine Spruce & Hemlock)
SAMMONSVILLE—Sammons W. S. (Saw Mill)
SANDY HILL—*Griffin Lumber Co.
*Kenyon Lumber Co. (Lath, Saw Mill etc)
SCHENECTADY—Peckham, Wolf & Co.
Veeder & Brown
SHERMAN—Simmons James H. (Shingle Mill)
SIDNEY—§Siver M. L. & Co. (Pine, Spruce & Cypress)
SOLSVILLE—Lyon's Mills (Saw Mills)
SOUTH STOCKTON—Wakeman Frank M. (Saw Mill)
SYRACUSE—§Bannon Lumber Co.
§Chapman Lumber Co., 1322 Carbon
§Kenyon Geo. G. Lumber Co. (Hardwood, Shingles, etc.), 601 E Water
§McChesney & Tracy Lumber Co. (Pine & Hemlock, Shingles, etc), 120 Plum
§McDowell John Kenyon, 211 Wilkinson
§Mann & Hunter Lumber Co., 834 S Salina
TONAWANDA—†Bellinger A. A.
§Brady Bros.
Dodge & Bliss Co. (Box Shooks & Planing Mill) (See Jersey City, N. J.)
§Eastern Lumber Co. (Mill Works)
McLean Bros. (Whol. Lumber)
§Wilson Lumber & Box Co. (Lumber, Box Shooks & Baled Shavings)
TROY—*Madden Lumber Co. (Lumber & Planing Mill)
UTICA—Downers Lumber Yard, 1011 Whitesboro
Emporium Forestry Co.
Emporium Lumber Co. (Spruce, Hemlock & Hardwoods)
Gibson G. P. & Son, 468 Genesee
§Kellogg Chas. C. & Sons Co.
§Nellis, Amos & Swift (Hardwood)
Thomas Philip Sons Co., 1621 Kemble
WARWICK—Horton M. V. B. (Saw Mill)
WATERTOWN—§Harroun J. E. & Son (Spruce Flooring, Siding, Lath, Shingles & Box Shooks)
WATERVLIET—§Waterman Smith A.
WEBSTER CROSSING—White Charles H. (Saw Mill)
WELLS—*Hosley M. B. & Son (Hardwoods)
WELLSVILLE—*Duke Oak Lumber Co. (Lumber, Timber & Shingles)
*Fassett Fred W. (Hardwood)
*Mess Matthew
WEST BURLINGTON—Gardner O. C. (Woodenware)
WEST ONEONTA—Rouse & Phillips (Saw Mills)
WEST STOCKHOLM—Gibson G. N. & Son
WEST WINFIELD—Hackley A. C. (Saw Mill)
WHITESBORO—*Denton & Waterbury (Lumber, Lath & Shingles)
WILLIAMSTOWN—Sage J. L.
WILLSBORO—Highby H. A. (Saw Mill)
WORCESTER—Hadsell Bros. Co. (Saw Mill)

## NORTH CAROLINA.

AHOSKIE—Branning Mfg. Co. (Saw & Planing Mills)
ALASKA—Alaska Lbr. Co. (Saw Mill)
ALLIANCE—Campen Samuel M. (Saw Mill)
ALMA—*Alma Lumber Co.
ANDREWS—Andrews Mfg. Co. (Saw Mill)
ASHBORO—*Home Bldg. & Material Co. (Planing Mill)
ASHVILLE—Betts Anson G. & Co. (Saw Mill)
McEwen Lumber Co.
ATKINSON—Murphy J. A. (Saw Mill)
Hawes E. A., Jr. (Saw Mill)
AUSTIN—Burchett & Billings (Saw Mill)
AZALCA—McEwen Lumber Co. (Saw & Planing Mills)
BEAUFORT—Carteret Lumber Co. (Saw & Planing Mills)
BELEW CREEK—Robertson, Strader & & Co. (Saw & Planing Mills)
BELHAVEN—§Roper Jno. L. Lumber Co. (Saw & Planing Mills)
BETHEL—*Carolina Stave Co. (Saw Mill)
BISCOE—Burt & Hicks
*Kanoy C. E.
BLACK MOUNTAIN—*Perley & Crockett (Saw & Planing Mills)
BOARDMAN—*Butters Lumber Co. (N. C. Pine & Cypress)
BOLTON—Waccamaw Lumber Co. (Cypress, N. C. Pine, Yellow Poplar, Tupelo Lumber, Lath & Shingles)
BOWDENS—*Rowland Lumber Co. (Saw Mill)
BURGAW—Garysburg Mfg. Co. (Saw & Planing Mills)
CARTHAGE—Currie J. L. (Saw Mill)
CHARLOTTE—Wearn J. H. & Co. (Lumber & Mfrs. Office Fixtures)
CLAYTON—*Vinson J. A. (Saw & Planing Mills)
COLUMBIA—Branning Mfg. Co. (Saw & Planing Mills)
DOSS—*Carolina Lumber Co. (Saw Mill)
DOVER—*Goldsboro Lumber Co. (Yellow Pine Flooring & Finish)
DRUID—Curry Bros. Lumber Co. (Saw & Planing Mills)
DUNN—*§Tilgham Lumber Co. (Saw & Planing Mills)
DURHAM—*Cary Lumber Co. (Saw & Planing Mills)
EDENTON—*Branning Mfg. Co. (N. C. Pine & Box Shooks)
*Brown M. G. (Saw Mill)
ELIZABETH CITY—Commander T. A. & Son
*Dare Lumber Co. (Saw Mill)
*Foreman-Blades Lumber Co. (Saw & Planing Mills)
Kramer Bros. Co. (Saw & Planing Mill)
ELKIN—*Elkin Box Co. (Saw & Planing Mill)
ESKOTA—Brown Bros. Lumber Co. (Saw & Planing Mills)
FARMVILLE—*Farmville Lumber Co. (Saw & Planing Mills)
FAYETTEVILLE—*Currie Lumber Co.
*West Lumber & Box Co. (Saw & Planing Mills)
FONTANA—*Montvale Lumber Co. (Saw & Planing Mill)
FORNEY—*Norwood Lumber Co. (Saw & Planing Mills)
GARLAND—*Trantum C. A. (N. C. Pine & Gum Rough or Dressed)
GILKEY—Warlick Lumber Co (Flooring Moulding, etc.)
GLEN ALPINE—Pitts J. D. (Saw & Planing Mills)
GOLDSBORO—*Virginia Lumber & Box Co. (Saw Mill)
GREENBORO—*Brooks Mfg. Co.
*Guilford Lumber Mfg. Co.
§Moore J. S. & Co. (Saw & Planing Mills)
*Newport Mfg. Co.
South Atlantic Lumber Co. (N. C. Pine)
GREENVILLE—Overton D. D. (Saw Mill)
GROVER—Harry C. F. (Saw & Planing Mills)
HAMLET—Adams & Graham
HERTFORD—Major & Loomis Co. (Saw Mill)
HICKORY—*Hutton & Bourbonnais Co. (Lumber, Boxes & Shooks)
HIGHPOINT—*Snow Lumber Co.
HOLLISTER—Fosburgh Lumber Co. (Saw & Planing Mills)
ICARD—Icard Mfg. Co. (Saw & Planing Mills)
IVANHOE—Juniper Lumber Co., Inc. (White Cedar & Pine Lumber)
JACKSONVILLE—*Jacksonville Lumber Co. (Saw & Planing Mills)
KINSTON—Hines Bros. Lumber Co.
LAKE TOXAWAY—*Moltz Lumber Co. Saw & Planing Mills(
LEXINGTON—Valley Tie & Lumber Co.
LITTLETON—Wollet E. E. (Saw & Planing Mills)
LOUISBURG—*Colonial Pine Co. (Saw & Planing Mills)
Ford, G. W. (Saw Mill)
LUMBERTON—*Kingsdale Lumber Corp. (Saw & Planing Mills)
MAXTON—*Barber-Paschal Lumber Co. (Saw & Planing Mills)
MT. GILEAD—*National Lumber Co. (Saw & Planing Mills)
NEWBERN—*Blades J. B. Lumber Co. (N. C. Pine & Saw Mill)
*Broaddus & Ives Lbr. Co. (N. C. Kiln Dried Pine Shingles, etc)
*East Carolina Lumber Co. (Saw Mill)
Elm City Lbr. Co. (Saw & Planing Mill)
*Munger & Bennett
*Pine Lumber Co.
Roper John L. Lumber Co. (Saw & Planing Mills)
NORTH WILKESBORO—§Coffey C. D. (Saw & Planing Mills)
NORWOOD—*Norwood Lumber Co. (Planing Mills)
OLIVIA—*Cameron H. C. (Saw & Planing Mills)
ORIENTAL—Oriental Lumber Co. (Saw Mill)
OXFORD—Jackson J. E. (Saw Mill)
PENSACOLA—Carolina Spruce Co. (Saw & Planing Mills)
PISGAH—*Carr Lumber Co. (Saw & Planing Mills)
PROCTOR—Ritter W. M. Lumber Co. (Saw & Planing Mills)

RALEIGH—Lassiter C. J. (Saw Mill)
RED SPRINGS—*Pearsall A. B. (L. L. Yellow Pine)
ROCKINGHAM—Coggin C. W. (Saw & Planing Mills)
ROCKY MOUNT—§Tar River Lbr. Co. (Saw & Planing Mill)
ROPER—*Roper John L. Lumber Co. (N. C. Pine)
ROSMAN—Gloucester Lbr. Co. (Saw Mill)
RUTHERFORDTON—Hines Lumber Co. (Saw & Planing Mill)
SANFORD—*Sanford Sash & Blind Co. (Dressed, etc)
SEVIER—§Adams T. T. Co. (Saw Mill)
SHULLS MILLS—Boone Fork Lumber Co. (Saw Mill)
SOUTHMONT—Wall & Son C. M. (Planing Mills)
SPRING HOPE—Montgomery Lumber Co.
STAR—*Little River Lumber Co. (N. C. Pine)
STANTONSBURG—Stantonsburgh Lumber Co. (Saw & Planing Mills)
SWANNANOA—§Reighard Lumber Co. (Saw & Planing Mills)
VASS—Cameron A. (Saw & Planing Mills)
WADESBORO—*Core-Bennett Lumber Co. (Saw & Planing Mills)
WALLACE—Camp Mfg. Co. (Saw & Planing Mills)
WASHINGTON—Kugler Lumber Co.
*Eureka Lumber Co. (Saw & Planing Mills)
WAYNESVILLE—*Kessawayne Lumber Co. (Saw & Planing Mills)
WELDON—Dixon Lumber & Millwork Co. (Dressed Finishing)
*Weldon Lumber Co. (Saw Mills)
WENDELL—Colonial Pine Co. (Saw & Planing Mills)
WHITEVILLE—*Whiteville Lumber Co. (Saw & Planing Mills)
WILLIAMSTON—*Simmons Dennis Lumber Co. (N. C. Pine)
*Wicomico Lumber Co.
WILMINGTON—Chadbourn Lumber Co.
*Hilton Lumber Co.
Koch, W. W. (Shingle Mill)
WILSON—*Colonial Pine Co. (Saw & Planing Mills)
Simms, W. W. Co. (Saw & Planing Mills)
WINSTON-SALEM—*Hoover A. L. & Co. (Saw Mill)
WINTON—Jordan & Parker (Lumber)
Taylor W. P. (Lumber)
ZEBULON—Barrow, J. K. (Saw Mills)

## NORTH DAKOTA.

FARGO—*White Wm. H. & McCulloch Lumber Co.
GRAND FORKS—*Robertson Lumber Co.
HATTON—*§Ness Lumber Co.

## OHIO.

AKRON—Akron Lumber Co.
Lyman-Hawkins Lumber Co.
ARCANUM—*Fourman Bros. (Saw Mill)
ARCHBOLD—*Gotshall Mfg. Co.
ASHLAND—*Shearer, Kagey & Co. (Saw Mill)
BELLEVILLE—*Ritter P. (Lumber, Staves & Headings)
BLUFFTON—Kimmel J. W.
BOWLING GREEN—Bigelow Bros. (Saw Mill)
BRADFORD—*Gibboney Jacob (Saw Mill)
BURKETTSVILLE—*Birt Bros. (Saw Mill)
CADIZ—*Long E. M. & Sons
CAMBRIDGE—*Hoyle & Scott
CAMPBELLSTOWN—Watts Bros. (Saw Mill)
CEDARVILLE—Tarbox Lumber Co. (Saw Mill)
CINCINNATI—Acme Veneer & Lumber Co. (Veneers, Thin Lumber & Mahogany Lumber), 8th & Harriet
§Banning L. G. (Walnut, Quartered Oak, Ash & Mahogany), 5th & Main
Bay Poplar Lbr. Co. (Mfrs. Cigar Box)
*Bennett & Witte (Ash, Oak, Elm Gum, Cypress, Poplar, etc), 222 W 4th
§Boyd Chas. C. & Co. (Hardwood & Veneered Lumber), Glenn bldg
§Browne H. R. (Yellow Pine, Poplar & Cypress), Fosdick bldg
*Cherry Lumber Co. (Hardwood & Electrotype Backing), St. Bernard
Cincinnati Hardwood Lumber Co., (Oak & Mahogany Veneers), 2624 Colerain av
Crane C. & Co. (Hardwood Lumber & Box Lumber), 1739 Eastern av
§Darling J. W. Lbr. Co. (Ash, Oak, Poplar, etc), 2d National Bk bldg
Doppes J. B. Sons Lumber Co., 1250 Gest
*§Duhlmeier Bros. (Hardwoods, Mahogany, etc), Wad Dalton av
§Dulweber Jno. Co. (Hardwood), Findlay & McLean
§Enterprise Lumber Co. (Yellow Pine, Lath & Shingles), 677 Melish
*Farrin M. B. Lumber Co. (Poplar & Oak, Beveled Siding, Flooring, Oak for R. R. Ties, Fence Posts, Bridges, Ships, Dock Piling, etc), Station av & Winton pl
*Freiberg Lumber Co. (Hardwoods, Mahogany & Spanish Cedar), Dalton & Findlay
§Galle W. F. & Co. (Southern Hardwoods), 1262 Budd
Graham Lumber Co. (Yellow Poplar), 41 E 4th
Griffiths Jas. & Sons Co. (Planing Mill), Reading rd & E 12th
§Hall C. R. Lumber Co., 407 Com. Tribune bldg
Hay Lumber Co. (Hardwoods, Hardwood Flooring & Poplar), Spring Grove av & June
§Heyl Philip F. (Pine, Poplar & Cypress), 1215 W 6th
§Hinckley-Dwight Lumber Co. (Yellow Pine & Cypress), Gest & Dalton
§Keeveny T. W. Lumber Co. (Pine, Hardwoods & Shingles), 1045 W 8th
§Kipp B. A. & Co. (Hardwood), 818 W 6th
§Lewin A. M. Lumber Co. (Yellow Pine & Cypress), Bank & McLean
§Littleford Geo. (Hardwood), 1768 Central av
§Mickle H. L. Lumber Co., 914 2d Natl Bk bldg
§Mowbray & Robinson Co. (Poplar & Hardwoods, Car Stock, Ties, etc), 8th & Horn
§Nicola, Stone & Meyers Co. (Pine & Hardwood), 1221 W Liberty
Oak Flooring Service Bureau, Union Trust bldg
*Ohio Veneer Co. (Mahogany & Thin Lumber & Veneers, Sliced, Cut & Sawed Quartered Oak Veneers), 2624 Colerain av
*Owl Bayou Cypress Co. (Cypress Lumber & Shingles), Mills, Strader, La.
*Perry Wm. H. Lumber Co. (Heavy Oak & Pine Timbers & Specialty), 1821 Gilbert av
Pierson Lumber & Coal Co., Cooper & Cherry Northside
§Queen City Lumber Co. (Planing Mill)
§Radina L. W. Lumber Co. (Hardwoods), Clark & Dalton av
§Rempe F. & Son (Yellow Pine & Hardwood), Second Nat'l Bank bldg
§Richey Halsted & Quick (Poplar, Yellow Pine, White Pine, Oak), 702 Traction bldg
§Shiels Chas. F. & Co. (Hardwoods), Gest & McLean avs
*Stone T. B. Lumber Co. (Yellow Poplar, Oak, Chestnut, Walnut, Gum, Cottonwood & Ash), Dalton & Hopkins
Taft S. H., 16 Hulbert blk
Trimble Cypress Co. (Cypress & Shingles), 508 Bell blk
§Western Lumber Co. (Hardwood), 8th nr Evans
§Wiborg Harry P. (Yellow Pine & Hardwood), Un. Cent. bldg
CLARK—Conkle John, Jr. (Saw & Planing Mill)
CLEVELAND—§Advance Lumber Co. (Pine & Hardwoods), Rockefeller bldg
§Alexander Bros. Lumber Co., Schofield bldg
Barner-Mead Lumber Co., 1962 E 107th
§Central Lumber Co., Williamson bldg
*Cleveland Box Co. (Resawed Lumber, Box Shooks, Packing Cases & Crating)
§Cuyahoga Lumber Co., 1948 Carter rd
§Euclid Av Lumber Co., 11710 Euclid av
Federal Lumber Co., Guardian bldg
§Fisher & Wilson Co. (White Pine), Rockefeller bldg
§Foote C. H. Lumber Co., Scranton & Girard av
§Gill Lumber Co., Hippodrome bldg.
Greif Bros. Cooperage Co. (Barrels & Kegs & Stack Cooperage Stock), 1937 Willey av
Interstate Lumber Co., The Arcade
Lake Erie Lumber & Supply Co., 5459 Hamilton av
*Martin-Barriss Co. (Mahogany & Cabinet Wood Mfrs. & Importers), 2048 W 3d
§Mills-Carleton Co., 1886 Carter rd N W
Nicola, Stone & Myers Co., Swetland bldg
§Potter, Teare & Co., 1918 Carter rd
§Prasse Lumber Co., 1864 Columbus rd N W
§Saginaw Bay Co., 2106 W 3d, S. W.
Singletary Lumber Co., 1633 Merwin av
COAL GROVE—*Yellow-Poplar Lumber Co. (Yellow Poplar & White Woods)
COLUMBUS—*Allen H. R. & Co., Commerce bldg
*Bergin M. J. Lumber Co., 225 Dennison av
§Brasher H. D. Lumber Co.
*Collection Cypress Co. (Saw & Planing Mills)
*Cones & Menefee, 450 W Broad
§Davis A. C. Lumber Co.
Franklin Lumber Co. (Yellow Pine)
Raleigh Lumber Co.
*Ritter W. M. Lumber Co., 115 E. Rich
West Side Lumber Co.
CUYAHOGA FALLS—Steele-Alderfer Co. (Hardwood)
DAYTON—*Dayton Lumber & Mfg. Co.
§Edwards E. L. Lumber Co.
§Gebhart-Wuichet Lumber Co.
*Hartzell Geo. W. (All Kinds of Hardwoods)
Hossafous H. C
§Kuntz-Johnson Co.
§Kuntz Peter Co.
West Side Lumber Co.
DELAWARE—*Dunlap C. C. (Saw Mill)
§McKenzie Lumber Co.
DOVER—*Garber & Marsh Lumber Co.
EAST FULTONHAM—*Weller John W. (Saw Mill)
FINDLAY—*Parker Lumber Co. (Lumber & Mills)
FORT LARAMIE—*Wise August (Saw wood)
FORT LARAMIE—*Wise August (Saw Mill)
GALENA—Bennett E. C. (Saw Mill)
GRANVILLE—White, R. B. Lumber Co.
GREENFIELD—Barr W. L. (Saw Mill)
HAMILTON—§Cullen & Vaughn Co. (Planing Mill)
Dingfelder W. S. (Lumber & Planing Mill)
HAMLER—*Panning Bros (Saw Mill)
HOUSTON—*Barr N. W. (Saw Mill)
IRONTON—Dawkins Bros. Co. (Saw Mill)
*Fearon Lumber & Veneer Co. (Poplin, Rough & Dressed)
Fisher Elmer Co. (Saw & Planing Mills)
§Ironton Lumber Co.
§Nigh Lumber Co., (Poplar, Ash & Walnut)
*Ward W. G. Lumber Co.
Whisler & Scearcy Co. (Hardwood)
JEFFERSON—Beede M. W. & Son (Saw Mill)
KILLBUCK—*Duncan J. C. (Saw Mill)
LAGRANGE—Ryan H. J. (Saw Mill)
LEIPSIC—Buckeye Stave Co. (Large, Saw, Planing & Stave Mill)
LINDSEY—*Bloker Lumber Co. (Saw & Planing Mill)
LOCKLAND—Lockland Lbr. Co., Benson & Mill
LORAIN—Kratt George
LORAMIE—Wise August (Saw Mill)
LYNCHBURG—*Turner Daniel (Saw Mill)
MADISON—*Bates Delos (Saw Mill)
MAPLETON—*Sherer E (Saw Mill)

OHIO—continued
MANTUA—*Parker N. D. & Sons (Saw Mill)
MESOPOTAMIA—*Noble E. L. (Saw Mill)
MIAMISBURG—*Wantz Lumber & Coal Co. (Hardwood)
MONROE CENTER—*Felch L. G. (Saw Mill)
MOUNT ORAB—*Hughes G. V. (Saw Mill)
NEW LEBANON—*Slyder J. D. & I. (Saw Mill)
NEY—*Fieldner & Son (Saw & Planing Mill)
NORWALK—*Norton Hardwood Co. (Hardware & Saw Mill)
ORWELL—*Sellers E. A. (Saw Mill)
OWENS—*Seiter & Son (Saw Mill)
PAINESVILLE—§Malin S. L. & Son
PATASKALA—*Brooke Lumber Co. (Saw & Planing Mill)
ROCKFORD—*Hawk A. J. Sons
SANDUSKY — Sandusky Cooperage & Lumber Co.
SOUTH SALEM—Lunbeck Bros. (Saw Mill)
SPENCERVILLE—Reynolds W. A. Lumber Co. (Saw Mill)
SPRINGFIELD—Goode L. M. Lumber Co.
*Rawlins A. M. (Hardwood)
STOUT—*Wamsley A. S. (Saw Mill)
STRYKER—Stryker Boat-Oar & Lumber Co.
SYCAMORE—Petty J. A. (Saw Mill)
TIRO—Allen B. F.
TOLEDO—§Campbell Lumber & Mfg. Co. (& planing Mill), Hoag nr Dorr
§Elliott-Wean Lumber Co.
*Gotshall Mfg. Co.
§Kelsey & Freeman (White Pine)
§Trotter Lumber Co.
VAN WERT—*Gleason Lumber Co. (Saw Mill)
VICKERY—*Worrman E. W. (Saw Mill)
WARREN—*Helman D. L. (Saw Mill)
WATTSVILLE—*Orwich Sherman
WAUSEON—Wauseon Lumber & Supply Co. (Hardwood)
*Williams H. H. & Co. (Saw Mills)
ZANESVILLE—Drake Thos. Lumber Co.
Herdman Sash, Door & Lumber Co.

## OKLAHOMA.

ARDMORE—Chickasaw Lumber Co.
Hudson-Houston Lumber Co.
BISMARK—Choctaw Lumber Co. (Saw & Planing Mills)
BOKHOMA—Wilson Lumber Co. (Saw & Planing Mills)
BROKEN BOW—Choctaw Lumber Co. (Saw Mill)
CHICKASHA—Stephensen-Browne Lumber Co.
CLINTON—*Stewart, T. J. Lumber Co.
FORT TOWSON—Pine Belt Lumber Co. (Saw & Planing Mills)
MOYERS—Walker-Hopkins Lumber Co. (Saw & Planing Mills)
MUSKOGEE—Muskogee Lumber Co.
OKLAHOMA—Stewart T. J. Lumber Co.
PAGE—Buschow Lumber Co. (Saw & Planing Mills)
RED ROCK—Foster Lumber Co.
WRIGHT—Choctaw Lumber Co. (Saw & Planing Mills)

## OREGON.

ALBANY—Albany Lumber Co. (Saw Mill)
ALGOMA—Algoma Lumber Co. (Saw & Planing Mills)
ASTORIA—*Astoria Box Co. (Boxes & Lumber)
Astoria Timber & Lumber Co.
*Hammond Lumber Co.
AUDREY—*King L. D.
AUSTIN—Eccles, W. H. Lumber Co. (Saw Mill)
Oregon Lumber Co. (Saw Mill)
BAKER—Baker White Pine Lumber Co. (Saw Mill)
*Oregon Lumber Co.
BANDON—Moore Mill & Lumber Co. (Saw Mill)
Pine Tree Lumber Co. (Saw Mill)
BAY CITY—Oregon Box Mfg. Co. (Saw Mill)
BEND—*Brooks-Scanion Lumber Co. (Saw & Planing Mills)
Shevlin-Hixon Co. (Idaho, Montana & Cal. Pine)
BRIDAL VEIL—*Bridal Veil Lumbering Co.
BRIGHTON—Brighton Mills Co. (Saw Mill)
BROOKINGS—C. & O. Lumber Co. (Saw & Planing Mills)
BULL RUN—Cameron-Taylor Lumber Co. (Saw Mill)
BURTON—Burton Lumber Co. (Saw Mill)
BUTTE FALLS—Butte Falls Lumber Co. (Saw Mill)
CAMAS VALLEY—*Thrush E. H. (Saw Mill)
CANBY—Slyter & Eckerson (Saw Mills)
CARLTON—Carlton Consolidated Lumber Co. (Planing Mill)
CASCADE LOCKS—Wind River Lumber Co. (Saw Mill)
CHERRY GRAVE—Haskell-Carpenter Co. (Saw Mill)
CHILOQUIN—Chiloquin Lumber Co. (Saw Mill)
Madoc Lumber Co. (Saw Mill)
CLATSKANIE—Brock Bros. (Saw Mill)
COQUILLE—Johnson, E. E. (Saw Mill)
Sitka Spruce Co. (Saw Mills)
CORVALLIS—Corvallis Lumber Mfg. Co. (Saw Mills)
Lammers Bros. (Saw Mills)
COTTAGE GROVE—*Brown Lumber Co.
§Chambers J. H.
CURTIN—Mescher, P. F. (Saw Mill)
*Stewart & Delanney
*Skidmore Wm. Sons & Co.
DALLAS—*Williamette Valley Lumber Co., 518 Cherry
DEE—Oregon Lumber Co. (Saw & Planing Mills)
DORENA—Bohemia Lumber Co. (Saw Mill)
DUFUR—Dufur Lumber Co.
Ward J. W.
ELMIRA—Elmira Lumber Co. (Saw Mill)
Mitchell Point Lumber Co. (Saw Mill)
Post Canyon Lumber Co. (Saw & Planing Mills)
EMPIRE—*Southern Oregon Co.
ENTERPRISE—East Orange Lumber Co. (Saw & Planing Mills)
EUGENE—*Booth-Kelly Lumber Co. (Oregon Pine, Cedar & Hemlock)
FALLS CITY—*Falls City Lumber Co.
FLORENCE—*Delta Shingle Co.
Tidewater Mill Co. (Saw & Planing Mills)
FOSTER—*Wodtli Fred.
GLENDALE—Glendale Lumber Co.
GLOBE—*Jones E.
HARRISBURG—Harrisburg Warehouse & Lumber Co.
HOOD RIVER—*Stanley-Smith Lumber Co.
HOULTON—Sherman Bros. Lumber Co. (Saw Mill)
INGLIS—§Oregon Lumber Co. (Saw & Planing Mills)
KLAMATH FALLS—Nine Lumer Co. (Saw Mill)
Pelican Bay Lbr. Co. (Pelican White Pine)
LA GRANDE—Kivette, W. R. (Saw & Planing Mills)
*Palmer Geo. Lumber Co. (Pine, Fir & Larch)
LEBANON—*Lebanon Lumber Co.
LEONA—*Leona Mills Lumber Co.
LINNTON—*Clark & Wilson Lumber Co.
§Noyes J. B. & Co.
Oregon Ship Timber Mills (Saw & Planing Mills)
West Oregon Lumber Co. (Saw Mill)
LORANE—*Addison Bros.
*Hopkins Lbr. Co.
MABLE—Coast Range Lumber Co. (Saw Mill)
MARCOLA—*Fischer Lumber Co.
MAYGER—Fluhrer Bros. (Shingle Mill)
MEACHAM—Casey Lumber Co. (Saw Mill)
MILL CITY—Hammond Lumber Co. (Saw Mill)
MILLWOOD—Clark Lumber Co. (Saw & Shingle Mill)
MODOC POINT—Lomm Lumber Co. (Saw Mills)
MULINO—Hult Lumber Co. (Saw Mill)
Trullinger D. L.
MYRTLE CREEK—*Myrtle Lumber Co.
NEWBERG—*Spaulding Chas. K. Logging Co. (Rough & Dressed Ash & Maple, etc)
NEW ERA—Doernbecker Mfg. Co. (Saw Mill)
NORTH BEND—Bay Park Lumber Co. (Saw Mill)
Buchner Lumber Co. (Saw Mill)
North Bend Mill & Lumber Co. (Saw Mill)
PALMER—Bridal Veil Lumber Co. (Saw Mill)
PERRY—*Grande Ronde Lumber Co.
PHILOMATH—Benton County Lumber Co. (Saw Mill)
PORTLAND—*Anderson H. J. Co. (R. R. Ties & Piling), Broadway
Bridal Veil Lumbering Co.
§Broughton & Wiggins Co. (Piling & Cedar Poles), Yeon bldg
Dant & Russell, Inc. (Pacific Coast), Northwestern Bank bldg
§Davis Henry D. Lumber Co. (Box Factory & Railroad), Northwestern Bank bldg
*Douglas Fir Lumber Co., Leon bldg
*East Side Mill & Lumber Co., ft of Spokane
§Eastern & Western Lbr. Co., 21st of N Front.
*Emerson Hardwood Lumber Co. (Saw & Planing Mill)
*Falls City Lumber Co. (Soft Siletz, Yellow Fir Lumber & Red Cedar Shingles), Northwestern Bk bldg
*Hart-Wood Lumber Co. (Fir & Spruce, Northwestern Bank bldg
*Inman Poulsen Lumber Co. (Oregon Pine), ft of E Caruthers
*Jones Lumber Co., 291 4th
Kalama Lumber & Shingle Co. (Saw & Planing Mills), Corbett bldg
Menefee L. B. Lumber Co. (Saw & Shingle Mill), N. W. Bk. bldg
*Multnomah Lumber & Box Co., ft of Baucroft
§North Pacific Lumber Co., Ry. Exchange bldg
Oregon Box & Mfg. Co. (Saw Mill)
*Pacific Export Lumber Co. (Pine, Fir & Nat. Spruce), Chamber of Commerce bldg
§Pacific Mill & Timber Co.
§Peninsula Lumber Co. ("Oregon" Fir Lumber, Car Material exclusively), ft of McKenna av
§Portland Lumber Co. (Fir Lumber, Lath, Flooring, Ceiling, Dimension, Long Timbers), ft Lincoln
St. Johns Lumber Co. (Saw Mill)
*Shevlin Edwin C., Spalding bldg
§Standard Box & Lumber Co., 63 E Water
*Westport Lbr. Co.
*Willamette Box & Lumber Co., Linton
PRESCOTT—Beaver Lumber Co. (Saw Mill)
PRINGLE FALLS—Deschutes Pine Lumber Co. (Saw Mill)
PROSPER—Prosper Mill Co. (Saw Mill)
RAINIER—*Columbia River Door Co.
Patterson Lumber Co. (Saw Mill)
*Stehman Bros. (Saw Mill)
ST. HELENS—Columbia County Lumber Co. (Saw Mill)
St. Helens Lumber Co. (Fir)
ST. JOHNS—§St. Johns Lumber Co.
SALEM—Spaulding, C. K. Logging Co. (Saw Mill)
SCHOLLS—*Groner & Rowell Co.
SEASIDE—Prouty Lumber & Box Co. (Saw & Planing Mills)
SHERIDAN—Ryan-Allen Lumber Co. (Saw Mill)
Sheridan Lumber Co. (Saw Mill)
SILVERTON—Silver Falls Timber Co. (Saw & Planing Mills)
Silverton Lumber Co.
SHERWOOD—Tappendorff Paul I. (Saw & Planing Mills)
SPRINGFIELD—Booth-Kelly Lumber Co. (Saw Mill)
Fischer-Boutin Lumber Co. (Saw Mill)
SWEET HOME—*Weedle A. L.
WALKER—*Briggs Lumber Co
WALLOWA—Nibley Mimnaugh Lumber Co. (Saw Mill)
WARRENTON—*Kelly D. L. Lumber Co.
WAUNA—Crossett Western Lumber Co. (Saw Mill)
WENDLING—Booth-Kelly Lumber Co. (Saw Mill)
WEST PORT—*Westport Lumber Co.
WHEELER—Wheeler Lumber Co. (Saw Mill)
WOODBURN—*Abaqua Lumber Co.

## PENNSYLVANIA.

ALLEGHENY—§Bruckman Lumber Co., Preble nr Island
Schulze & Emanuel (Lumber & Planing Mill), 614 3d
*Walter H. R. Lumber Co. (Hardwood & Yellow Pine), Fayette & Manhattan

ALLENTOWN—*Big Run Manfg. Co. (Hardwood & Staves)
§Trexler Lumber Co.
ALPINE—*Smith Wm. M. (Saw Mill)
ASHLAND—*Bright H. F.
Waldner Adam (Planing Mill)
AVONDALE—Hicks John H. (Saw Mill)
BARREE—*Walker H. E. & Bro. (Lumber & Shingles)
BARTONSVILLE—Slutter L. L. (Saw Mill)
BEAVER FALLS—§Brierly Frank F. & Sons
BECHTELSVILLE—Stauffer A. T. B. (Saw Mill)
BELLEFONTE—*Crider P. B. & Son (Lumber & Saw Mills)
BRADFORD—*Bemis J. M. & Son
§Bond Alfred J. (Hemlock), 124 Mechanic
*Bradford Hdw. Lumber Co.
BROOKVILLE—*Pocahontas Lumber Co. (Spruce, Hemlock & Hardwoods), Mills: Burner, W. Va.
*Vanleer Bros. (Lumber & Planing Mill)
BURNT CABINS—Comerer W. M. (Saw Mill)
CAMBRIDGE SPRINGS—Blystone W. C. & Son (Saw Mills)
CHEAT HAVEN—Kendall Lumber Co. (Saw Mill)
CLARINGTON—*Braden A. R.
CLEARFIELD—*Clearfield Millwork & Lumber Co., (Ltd.), (Hemlock, Pine, Oak & Hardwood)
COATESVILLE—Ash Chas. W. (Saw Mill)
CONYNGHAM—Hess A. E. (Saw Mill)
COOKSBURG—Cook's A. Sons Co. (Lumber)
CORRY—Clark & Son Co.
COSTELLO—Central Pennsylvania Lumber Co. (Saw & Planing Mills)
DANIELSVILLE—Hickory Lumber Co.
DUBOIS—*DuBois Jno. E.
EASTON—Butz Edward M. (Planing Mill)
Serfas Lumber Co., Drake bldg
Zearfoss & Hillard Lumber Co. (Lumber & Saw Mill)
EBENSBURG—*Griffith Webster (Maple Flooring, Hemlock & Hardwood)
ELIZABETH—Rhodes S. O. (Saw Mill)
ELIZABETVILLE—Buffington, I. T.
ELK LICK—Compton Demetrius (Saw Mill)
EMPORIUM—*Howard C. B. Co.
ENDEAVOR—*Wheeler, Aylesworth & Co. (Saw Mill)
*Wheeler & Dusenberry (Lumber, Lath & Shingles, Pine Lumber up to 72 feet)
EVANS CITY—*Dambach Edw. Co.
FELTON—Stabley W. H. (Saw Mill)
GALETON—Emporium Lumber Co. (Saw & Planing Mills)
GRAND VALLEY—Wood, Williston P.
GUYS MILLS—Morgan John (Saw Mill)
Williams Bros. (Saw Mill)
HOLLIDAYSBURG—*Irvine Robt. C.
McKelvey Bros. (Saw & Planing Mills)
*Young Blair B. (Saw Mill)
HUMBERT—Schoffield Lumber Co. (Saw & Planing Mills)
IOLA—Eves A. W.
JOHNSTOWN—*Dempsey Lumber Co. (Spruce, Hemlock & Hardwoods)
Millboro Lumber Co. (Saw & Planing Mills)
*Murdock J. M. & Bro. (White Oak, Hemlock & Hardwood)
KANE—Anderson Edward G. (Saw & Planing Mills)
*Mell-Vaill Lumber Co. (Rough & Dressed Lath & Shingles)
KELLETTVILLE—Salmon Creek Lumber Co. (Saw & Planing Mills)
KNOXVILLE—*Edgcomb W. H. & Sons (Mill Work)
KREGAR—Blair Lumber Co. (Saw Mill)
KUTZTOWN—*Gonser John R.
LAQUIN—Central Pa. Lumber Co. (Saw & Planing Mills)
LEETONIA—Central Pennsylvania Lumber Co. (Saw & Planing Mills)
LIGONIER—Ligonier Lumber Co. (Saw Mill)
LINESVILLE—Bunday Lumber Co. (Saw Mill)
MARIENVILLE—*Shields D. B.
MILLERSBURG—Snyder C. J. (Saw Mill)
MILTON—*Clinger's D. Sons (Lumber & Planing Mill)
MONONGAHELA—*Monongahela Saw & Planing Mill Co.
MONTGOMERY—*Meixel, Coleman & Co. (Saw Mill)
NEBRASKA—*Collins, Darrah & Co.
*Watson Lands Lumber Co. (Pine Lumber)
NEW BETHLEHEM—*Andrews Lumber Co. (White Oak, White Pine & Hemlock, Timber & Lumber, also Plaining Mill)
NEWTOWN—Watson A. W. & W. M. Co. (Saw & Planing Mill)
NORRISTOWN—Grater-Bodey Co. (Planing Mill)
NORWICH—Norwich Lumber Co. (Saw & Planing Mills)
NOXEN—Trexler-Turrell Lumber Co.
OLYPHANT—*Peck Lumber Mfg. Co.
PAINTERSVILLE—Goss William Howard (Saw Mill)
PARNASSUS—*Logan J. W. & Sons Co. (Lumber & Planing Mills)
PHILADELPHIA—§Anderson & Slonaker, Del. av c Poplar
§Betts Chas. M. & Co. (Pine, Cypress & Shingles), Bailey bldg
§Bowers S. P. Co., Otis bldg
§Bruner Owen M. Co. (White & Yellow Pine & Hardwood, Maple Flooring, Rift Yellow Pine, Flooring a Specialty), Colonial Trust bldg
§Buzby C. M. & Sons, 626 Wash'n av
*Cherry River Boom & Lumber Co. (W. Va. Spruce, Hardwoods, Cypress & Pine), Land Title bldg
Coale Thomas E. Lumber Co. (Spruce, Hemlock, White Pine, Cypress, Long & Short Leaf Yellow Pine, Hardwoods, Larch, Fir & Cal. Sugar Pine), Bellevue Court bldg
Cook & Beck Co. (Telegraph Poles, Posts, Piling, Railroad Cross Ties, Cordwood, Pulpwood, etc.), Commercial Trust bldg
§Coolbaugh C. C. & Son Co. (Pine & Hardwood) 19th & Cambria
§Coppock-Warner Lumber Co. (Yellow Pine), Land Title bldg
§Craig Geo. & Sons (Mfrs. Hemlock, Spruce & Hardwood; Wholesale Long Leaf Yellow Pine), Morris bldg; Mills: Winterburn, W. Va.
§Este Chas. Co., 3d & Allegheny
§Fritz Wm. H. & Co., Crozer bldg
§Garman A. St. Clair, 8th bl Diamond
§Geissel & Richardson, Ridge av c Master
§Gillingham Frank C. & Son Co., Norris n Richmond
§Hallowell & Souder (Hardwood, Pine & Cypress Lumber), Harrison bldg
*Hammer Thos. B., Franklin Bank bldg
§Holloway J. F. (Hemlock, Hardwoods & N. C. Pine), 312 Commercial Terrace blvd
§Janney Jos. W., Pier 52, North Wharves
§Kay Lumber Co. (Pine, Hemlock & W. Va. Spruce), Franklin Bank bldg
§Kent J. S. Co. (All Pine, Spruce & Shingles), Harrison bldg
§Ketcham Howard, 1160 N 3d
§Kugler Geo. W. & Sons Co., 921 New Market
Lear W. H. (Cypress & Hardwoods), 979 N Front
§Little Jno. J., Land Title bldg
*Little River Lumber Co., Franklin Bank bldg
§Lloyd Sam'l & Co., Girard bldg
§Lloyd Wm. M. Co., Ridge av c N 29th
§Lukens Bros. (Pine, Spruce, Hardwood & Shingles), 9th & Girard
§McIlvain J., Gibson & Co. (Hardwood a Specialty), Crozer bldg
§Malone, Watson & Sons, Laurel St. Wharf
Mingus & Rutter (Oak, Poplar, Bass, Hemlock, N. C. Pine & Other Hardwoods), Franklin Bk. bldg
§Monarch Lumber Co., 15th & Market
§Nass Geo. & Son, Broad & Vine
§Otter Creek Boom & Lumber Co. (Hemlock), Witherspoon bldg
*Pamlico Lumber Co. (N. C. Pine), Land Title bldg
Pearson & Ludascher Lbr. Co. (Yellow Pine) Westmoreland & Delaware
§Peart, Nields & McCormick Co., Harrison bldg
*Penn-Florida Lumber Co.
§Pennell Edmond, Penna bldg
§Provident Lumber Co., Water & Dickinson
§Rayner & Parker, Commercial Trust bldg
*Rice T. B. & Sons Co. (White Pine & Hemlock Lumber), Mifflin St. Wharf, Delaware River
§Risley C. V. (R. R. Ties & Lumber), Phila. Bourse
*Roper Jno. L. Lumber Co. (N. C. Pine & Cedar Shingles), Franklin Bank bldg
§Schofield Bros. (White Pine, Spruce, Hemlock, etc), Penna bldg
§Shearer Sam'l H. & Son, 1420 Chestnut
*Sheip Henry H. Mfg. Co. (Hardwoods & Cigar Box Lumber), 6th & Columbia
§Souder E. A. & Co. (Pine & Cypress), Franklin Bank bldg
§Spiegle Geo. M. & Co., 18th & Somerset
§Stokes Bros. Co., N W 30th & Chestnut
Tague Jas E. & Co. (Whol. Dlrs.), 10th & Columbus av
§Talley's Thos. J. Sons (Piling, Hemlock, Pine, Spruce & Oak Bill Stuff), Land Title bldg
§Ternan & White, 20th & Erie
§Thompson Lewis & Co. (R R Ties & Posts), N. American bldg
Turnbull J. W. Lbr. Co., Stock Exchange bldg
§Vrooman S. B. Co. (Ltd.) (Yellow Pine & Mahogany), 1133 Beach
§Warner Geo., Drexel bldg
§Weitzel Lumber Co., Sedgeley & Gtn. av
§Whitmer Wm. & Sons (Inc.) (Hardwood, White Pine & Spruce), Finance bldg
§Williams Alex. O., 6th & Berks
§Williams J. R. & Co., Commercial Trust bldg
*Williams & Van Roden (Ash, Poplar & Oak), 1345 Arch
§Wistar, Underhill & Nixon, Real Estate Trust Co. bldg
§Yellow Pine Co. of Phila. (Long & Short Leaf Yellow Pine), 30th & Spruce
PINE GROVE—*Boyer Mahlon H. (Lumber & Saw Mill)
Fegley Morris (Saw Mill)
PITTSBURGH—§Acorn Lbr. Co., Oliver bldg
§Allegheny Lumber Co., Ferguson bldg
§American Lumber & Mfg. Co. (Timber, Lumber), Peoples Bank bldg
§Babcock Bros. Lumber Co. (Saw Mills), Frick bldg.
§Babcock Lumber Co. (Hemlock, White & Yellow Pine & Maple Flooring, Hardwood & Shingles), Frick bldg
Forest Lumber Co., Fulton bldg
Germain Co. (Southern Yellow Pine, Cypress), Farmers' Bank bldg.
§Gillespie D. L. & Co. (Pitch Pine, etc), Oliver bldg
§Hastings J. M. Lumber Co. (Yellow Pine), 541 Wood
Hill Edwin M, 2601 Penn av
§Interior Lumber Co., Keenan bldg
§Munhall R. J. Lumber Co., Sidney & Brady
§Nicola Lumber Co. (Red Cedar Shingles, Gum, Cottonwood, Hardwoods, Maple Flooring, etc), Farmers Bank bldg
§Schuette Wm. & Co. Bndn Trust bldg
§Terhune Lumber Co. (White & Yellow Pine & Hemlock), Oliver bldg
§Thompson Dwight, House bldg
§Walter H. R. Lumber Co. (Hardwood, & Yellow Pine), Fayette & Manhattan
West Penn. Lumber Co. (Yellow Pine, White Pine & Hemlock), Farmers Bank bldg
§West Virginia Lumber Co. (White Pine, Yellow Poplar, Oak & Chestnut), 1st National Bank bldg
Wheeler J. R. & Co. (Pattern, Templet, Flask & Tank Lumber, Roofing & Furring Strips, Yellow Poplar for Carriage & Piano Mfrs.), Park bldg
Willson Bros. Lumber Co. (Northern Pine, N. C. Pine & Shingles), Oliver bldg
PLATO—*Cook J. W. & Sons

PENNSYLVANIA—continued
PLATEA—Cook J. W. & Sons (Saw & Planing Mills)
PORT ALLEGANY—Holden, A. C. Lumber Co.
POTTSTOWN—Snyder Henry J.
POTTSVILLE—Beecher & Barr (Mine Lumber, etc)
*Georgia Carolina Lumber Co.
*Glen Union Supply Co.
Lycoming Timber & Lumber Co.
*Tennessee Lumber Mfg. Co.
READING—Buch Bros.
Central Lumber Co.
Merritt Bros.
Reading Lumber Co.
Schofield Lance Co.
REYNOLDSVILLE—Hollis J. A. & Son
RIDGWAY—*Blue Stone Land & Lumber Co.
*Hyde W. H. & Co.
Thayer Henry S.
Walterboro Lumber Co. (Saw & Planing Mills)
ROCKWOOD—Wolf Penrose (White Oak, etc.)
ST. CLAIR—*Reichley Bros. & Co. (Mine Timber)
ST. MARYS—*Kaul & Hall Lumber Co.
*Portland Lumber Co.
SCRANTON—*Ansley Lumber Mfg. Co. (Shingles, Flooring, etc)
*Cherry River Boom & Lumber Co. (Spruce, Hemlock & Hardwoods)
*Hebard-Cypress Co., Mills, Waycross, Ga.
§Lackawanna Lumber Co. (Hemlock & Hardwood)
§Newman J. J. Lumber Co.
*Peck Lbr. Mfg. Co.
§Price & Howarth
*Washburn, Williams & Co.
SHAMOKIN—*Kulp Lumber Co.
*Shamokin Lumber & Mfg. Co.
SHEFFIELD—Central Pa. Lumber Co. (Saw & Planing Mills)
*Pennsylvania Lumber Co. (Lumber, Lath & Shingles)
SHIPPENSBURG—Burns Harry (Saw Mill)
SMETHPORT—§Holmes & Gilfillan (Saw & Planing Mills)
SPRING MILLS—Finkle A. N. (White Oak & Pine)
SUNBURY—*Whitmer-Steele Co.
TAMAQUA—Zehner Jacob (Saw Mill)
TEMPLETON—*Redinger S. G. & Sons
TIDOUTE—*Hunter L. L. (Est. of)
Stillman J. A. (Lime & Cement)
TIONESTA—*Forman H. M. (Lumber & Ties)
*Gaston G. G. (Lumber & Saw Mill)
*Robinsonn G. W. & Son (Planing Mill)
TOWANDA—Ellenberger & MacNeal
TYLERSBURG—*Baxter Lumber Co. (Saw Mill)
TYRONE—*Beyer F. D. & Co. (Saw & Planing Mill)
UNIONTOWN—*Palmer & Semans Lumber Co. (Lumber, Lath & Shingles)
URSINA—*Davis J. B. & Sons (White Oak, Poplar, etc)
*Van Sickel E. Co. (not inc.) (White Oak, etc)
WARREN—*Rogers Lumber Co. (Hemlock, Pine, Hardwood Flooring, Mouldings, Lath, Shingles, House Finish, etc)
§West J. H. Lumber Co.
*Wetmore L. D. Co.
*§Young J. H. Lumber Co. (Saw Mill)
WAYNESBORO — *Emerson - Brantingham Co. (Planing Mills)
WILLIAMSPORT—§Birkle John A.
*Bowman Lumber Co. (Hemlock, etc)
*Breining John A. & Son
*Central Penna. Lumber Co.
*Coleman Harter & McCormick
*Coleman John (Hemlock, etc)
§Erdman Geo. F.
*Emery Lumber & Coal Co. (Hemlock, Long, Large Bbls)
*Hall John L.
Hoover G. W.
*Kavanaugh Daniel
§Mansel James
*Mansel & Metzger
§Miller H. A. & Co.
*Perley A. P.
§Reese-Sheriff Lumber Co.
§Roos Chas.
*Sones C. W.
*Walton P. B.
§Williamsport Hardwood Lbr. Co.
*Williamsport Planing Mill Co.
WOODBURY—Frederick Adam (Saw Mill)
WYALUSING—*Welles M. H. & G. H Lumber Co.

## RHODE ISLAND.

PROVIDENCE—§Angell H. M. 49 Westminster
*Crittenden Lumber Co.
§Gage L. H. Lumber Co. (Hardwood), 32 Westminster
§Kile & Morgan Co., R. I. H. Tr. bldg
*Potter, J. A. & Co. (Southern Pine, etc.), Crary
Talbot Bros. Co. (Box Shooks & Box Boards), Grosvenor bldg

## SOUTH CAROLINA.

ALCOLU—*Alderman, D. W. & Sons Co.
ALLEN—Trexler Lumber Co. (Saw Mill)
BADHAM—*Dorchester Lumber Co. (Saw & Planing Mills)
CAMDEN—§Davidson, Leroy S. & Co. (Saw & Planing Mills)
CHAPLIN—Robinson, C. P. (Saw Mill)
CHARLESTON—§Anderson Lumber Co. (Lumber Ties and Shingles)
*Burton, E. P. Lumber Co. (Cypress Lumber & Shingles)
*Halsey Lumber Co.
*North State Lumber Co. (Saw Mill)
Simmons, Benj. I. (Lumber, Timber, Shingles, Yellow Pine, Lumber, etc.)
Tuxbury A. C. Lbr. Co.
CHERAW—*Meiklejohn Lumber Co. (Saw & Planing Mills)
COLLETON—*Colleton Cypress Co. (Saw & Planing Mills)
COLUMBIA—Columbia Lumber & Mfg. Co. (Saw & Planing Mills)
*§Farr-Barnes Lumber Co. (Saw & Planing Mills)
CONWAY—Conway Lumber Co. (Saw Mill)
DONORA—Kendall Lumber Co. (Saw Mill)
EMBREE — *Edisto River Lumber Co. (Saw & Planing Mills)
ESTILL—*Hamilton Ridge Lumber Co. (Saw & Planing Mills)
FLORENCE—*Giles Bay Lumber Co. (Saw & Planing Mills)
GABLE—*Black River Cypress Co. (Saw & Planing Mills)
GEORGETOWN—*Atlantic Coast Lumber Corp.
§Ward-Bate Co. (Saw Mill)
Winyah Lbr. Co.
GREENWOOD—Snead, W. J., Lumber Co. (Saw & Planing Mills)
HAMPTON—*Hampton & Branchville R. R. Lumber Co.
HARDEEVILLE — *Argent Lumber Co. (Saw Mill)
KINGVILLE—Trumble Edwin (Saw Mill)
LAKE CITY—*Deep River Lumber Co. (Saw & Planing Mills)
LEESVILLE—Barr C. D. (Saw Mill)
LITTLE RIVER—*Hammer Lumber Co. (Saw & Planing Mills)
LUMBER—*McKeithan D. T. Lumber Co (Lumber & Saw Mills)
McBEE—Ingram J. D. (Shingle Mill)
McCLELLANVILLE—Leland H. G. (Saw Mill)
McCORMICK—Dorn, M. G. & J. J. (Saw Mills)
MARION—Anderson Lbr. Corp.
*Bell Lumber Co. (Saw & Planing Mills)
Marion County Lbr. Corp.
MERIWETHER—Hines Lumber Co. (Saw & Planing Mills)
MONCKS CORNER — *Urmston - Shipley Lumber Co. (Saw Mill)
MULLINS—*Mullins Lumber Co. (Saw & Planing Mills)
NORTH AUGUSTA—Faulkner & Mealing Planing Mills)
PAMPLICO—*Dargan Wagoner Co. (Saw & Planing Mills)
§*Wagoner Lumber Co. (Saw & Planing Mills)
SOUTH CAROLINA—continued
PARKSVILLE—*Osborne C. C. Lumber Co. (Planing Mills)
PINEWOOD—Broughton N. L. (Saw Mill)
PROSPERITY—*Hunter & Saner (Lumber & Saw Mill)
RIDGEVILLE—Thrower D. E. (Saw Mill)
RIMINI—*Parker Lumber Co. (Saw & Planing Mills)
SALKEHATCHIE—*Baker, Moore & Co. (Saw & Planing Mills)
SCHOFIELD—*Saltkeatchie Lumber Co. (Saw Mill)
SELLERS—*Tilghman Lumber Co. (Saw & Planing Mills)
SUMMERVILLE—Prettyman J. F. & Sons
SUMTER—§Folley, O. H., & Co. (Saw Mill)
§McLaurin, H. J., Jr. (Saw & Planing Mills)
Penn Sumter Lumber Co. (Saw & Planing Mills)
SWANSEA—Rast W. B. & Son (Saw Mill)
TIMMONSVILLE — Anson Lumber Co. (Planing Mill)
VARNVILLE—Big Salkehatchie Cypress Co. (Saw & Planing Mills)
WALTERBORO—*Walterboro Lumber Co. (Saw Planing Mills)
WEST UNION—Brown Lumber Co. (Saw Mill)
Shockley J. C. (Saw Mill)

## SOUTH DAKOTA.

RAPID CITY—Warren-Lamb Lumber Co. (Saw & Planing Mills)

## TENNESSEE.

ALLARDT—§Gernt, Hugo & Arthur (Saw Mills)
BRAEMAR—Pittsburg Lumber Co. (Saw & Planing Mills)
BRISTOL—Bristol Door & Lumber Co. (Saw & Planing Mills)
Paxton Lumber Co. Inc. (Saw & Planing Mills)
*Stone-Huling Lbr. Co.
BROWNSVILLE—Pracht, John C.
BUTLER—Peter-McCain Lumber Co. (Saw Mill)
CHATTANOOGA—*Card J. M. Lumber Co. (Hardwoods & Yellow Pine)
Central Lumber Co., Chattanooga, Tenn.
*Chattanooga Lumber Co.
§Evans G. H. Lumber Co. (White & Red Oak & Poplar)
*Field D. S. & Levi
*Loomis & Hart Mfg. Co. (Saw & Planing Mills)
CLEVELAND—Cleveland Lumber & Mfg. Mfg. Co. (Saw & Planing Mills)
Still & Seaborn (Planing Mill)
COOK PLACE—Highland Coal & Lumber Co. (Saw Mill)
COVINGTON—Mayes, W. S. (Saw Mill)
COWAN—*Davidson, Hicks & Green Co. (Saw Mill)
DAVIDSON—Highland Coal & Lumber Co. (Saw Mill)
DYERSBURG—Calcutt, N. W., Co. (Saw Mill)
FAYETTEVILLE—Williams Lumber Co. (Saw & Planing Mills)
GERNT—§Gernt Hugo & Arthur (Saw Mills)
GLEN MARY—Tennessee Lumber & Coal Co. (Saw & Planing Mills)
JACKSON—*Coleman W. H. Co. (Tight Barrel Circled Headings, etc)
JELLICO—*Zickgraf-Jenson Lumber Co. (Saw Mill)
JOHNSON CITY—*Harris Mfg. Co. (Hardwood Lumber)
*Stevenson, Charles I. (Saw & Planing Mills)
*White Lumber Co. (Maple, Chestnut, Hickory, Basswood & Poplar)
KNOXVILLE—Kimball & Kopcke (Hardwood)
Knoxville Lumber & Mfg. Co.
Logan J. M. Lumber Co. (Wholesale)
McCabe Walter (Wholesale)
Maphet & Shea Lumber Co. (Wholesale)
Maples Lumber Co. (Wholesale)
*Michaels T. M. (Saw Mill & Lumber)
River Side Lumber Co. (Mfrs)
*Rose D. M. & Co.
§Ross Lumber Co.
*Vestal Lumber & Mfg. Co. (Tennessee Red Cedar, Band Sawed)
LANCING—Emory River Lbr. Co. (Saw Mill)
LOUDON—Ward A. W.
MARYVILLE—Babcock Lumber & Land Co. (Saw & Planing Mills)
MEMPHIS—*Anderson-Tully Co. (Gum & Cottonwood Lumber)
§Belgrade Lbr. Co.

*Bennett Hardwood Lumber Co. (Southern Hardwoods, Oak, Ash, Gum, etc)
Brown Geo. C. & Co. (Hardwoods, Red Gum)
*Chickasaw Cooperage Co. (Cooperage Materials, etc)
*Cole Mfg. Co.
Crenshaw-Gary Lumber Co. (Red Gum)
*De Soto Hardwood Flooring Co. (Planing Mills)
*Dickson J. W. Co. (Oak, Ash, Gum, Cottonwoods, etc)
Ferguson & Palmer (Saw Mill)
Florence Table & Lbr. Co.
Friedel W. R. Co.
§Gayson Lumber Co. (Southern Hardwood, Ash, Oak, Gum, Elm, etc.) (Saw Mills)
Gibson-Whitaker Co. (Saw Mill)
§Gladden C. S.
§Goodlander-Robertson Lumber Co. (Southern, All Kinds)
§Green River Lbr. Co. (Saw Mill)
*Holmes J. A. Lumber Co.
Jordan J. P. & Co.
*McLean Hardwood Lbr. Co. (Saw Mill)
§Major S. C. & Co. (Southern Hardwoods)
§May Bros. (Saw Mill)
Memphis Band Mill Co. (Saw Mill)
*Memphis Hardwood Flooring Co. (Flooring)
Memphis Stave Mfg. Co. (Slack Barrel Staves)
*Memphis Veneer & Lumber Co.
§Meredith J. P. Cedar Co. (Red Cedar, Piling, Poles & Posts)
*Moore & McFerren (Cottonwood & Gum)
*§Mossman Lbr. Co. (Saw Mill)
*Penrod Jurden & McCowen Inc. (Hardwood)
*Russe & Burgess (Hardwood, Plain & Quartered Oak, Satin Walnut, Poplar, Tupelo, Gum, Bay Poplar)
§Smith-Carothers Lumber Co. (Hardwood)
*Sondheimer E. Co. (Gum, Cypress, Cuttonwood, Ash, Elm, Poplar, Sycamore, etc)
§Stark Jas. E. & Co. (Plain & Quarter Sawed White & Red Oak, etc)
*Stimson, J. V. Hardwood Co. (Saw Mill)
§Stimson Veneer & Lbr. Co. (Saw Mills)
*Three States Lumber Co. (Hardwood)
*Thompson Albert N. & Co. (Gum & Southern Hardwoods)
Wheeler J. W. & Co. (Red Gum)

MENGELWOOD—*Mengel Box Co. (Saw Mills)
MOUNTAIN CITY—Doe Mountain Lumber Co. (Saw Mill)
NASHVILLE—§Davidson Hicks & Greene Co.
*Hayes A. L. Co. (Lumber & Tight Barrel Staves, etc)
*Indiana Lumber Co. (Hardwood)
*Lieberman, Loveman & O'Brien
*Love, Boyd & Co. (Oak, Ash, Poplar, Chestnut, Sycamore, Hickory, Rough & Dressed)
*Nashville Hardwood Flooring Co.
*Nashville Tie Co. (Cross Ties & Cedar Piling)
§Ransom J. B. & Co. (Rough & Dressed Red Cedar, Yellow Poplar, Walnut, Ash, Oak & Red Cedar Flooring)
Southern Lumber & Mfg. Co. (Saw Mill)
*Tenn Oak Flooring Co. ("Tofco")

NICK'S CREEK—Southern Lumber & Mfg. Co. (Saw Mill)
NORCROSS—New River Lumber Co. (Saw Mill)
NORMA—*New River Lumber Co. (Hardwood)
POCAHONTAS—Howell M. H. (Saw Mills)
SOUTH PITTSBURGH—Haskew Lumber Co. (Saw Mill)
TELLICO PLAINS—Scott C. A. & Co. (Saw & Planing Mills)
Tellico River Lumber Co. (Saw & Planing Mills)
TOWNSEND—*Little River Lumber Co. (Saw & Planing Mills)
WAVERLY—*Lucas Land & Lumber Co. (Lumber & Planing Mill)

## TEXAS.

ALTO—*Blount Decker Lbr. Co. (Saw & Planing Mills)
ATLANTA—§Richey T. R. Lbr. Mills (Saw Mills)
AVINGER—§*Coulter D. R. Lbr. Co. (Saw & Planing Mills)
Rhyne A. M. & Co. (Saw Mill)
BEAUMONT—*Beaumont Lumber Co. (Yellow Pine)
International Creosoting & Constr. Co.
*Keith Lumber Co. (Yellow Pine)
*Kirby Lumber Co. (Saw & Planing Mills)
*Miller & Vidor Lumber Co. (Saw & Planing Mills)
*Neches Lumber Co. (Saw & Planing Mills)
*Nona Mills Co., Ltd. (Yellow Pine)
Sabine Tram Co. (Yellow Pine)
BECKVILLE—§Daniels Z. C. (Saw & Planing Mills)
BENFORD—*Mardez Lumber Co. (Saw & Planing Mills)
BESSMAY—§Kirby Lumber Co. (Saw & Planing Mills)
BON WIER—Coffman J. H. Lumber Co. (Saw Mills)
BRONSON—Kirby Lumber Co. (Saw & Planing Mills)
BROWNDEL—*Kirby Lumber Co. (Saw & Planing Mills)
BUCK—*Livingston Lumber Co. (Saw & Planing Mills)
CALL—Kirby Lumber Co.
CAMDEN—*Carter W. T. & Bro. (Yellow Pine)
CARMONA—Sauer-Ragley Lumber Co. (Saw & Planing Mills)
CONNELL—*Reese-Corriher Lumber Co. (Saw & Planing Mills)
CONROE—Delta Land & Timber Co. (Saw & Planing Mills)
DALLAS—*Clark & Boice Lumber Co. (Yellow Pine)
*Craven Lumber Co. (Yellow Pine Lumber & Cypress Shingles)
§O'Neil W. H. & Co.
DIBOLL—*Southern Pine Lumber Co. (Yellow Pine)
DOUCETTE—Fidelity Lumber Co. (Saw Mill)
Steger Lumber Co. (Saw & Planing Mills)
ELKHART—Patterson J. J. H. (Saw Mills)
ELMINA—*Walker County Lumber Co. (Yellow Pine)
EVADALE—*Kirby Lumber Co. (Saw & Planing Mills)
FELICIA—*Sabine Tram Co. (Saw & Planing Mills)
FLETCHER—*Nona-Fletcher Lumber Co.
FOSTORIA—Foster Lumber Co. (Saw & Planing Mills)
FUQUA—*Kirby Lumber Co. (Saw & Planing Mills)
GALVESTON—*Moore & Goodman (Lumber, Lath & Shingles)
GARRISON—Garrison J. H. & Son (Saw & Planing Mills)
GLADSTELL—Grogan Mfg. Co. (Saw & Planing Mills)
GRAYBURG—*Thompson & Ford Lumber Co. (Saw & Planing Mills)
GROVETON—*Trinity County Lumber Co. (Yellow Pine)
HARLETON—Taylor R. W. & Co. (Saw & Planing Mills)
HARTBURG—Tomme S. M. & Sons, (Saw Mill)
HASLAM—Pickering W. R. Lumber Co. (Saw & Planing Mills)
HEMPHILL—§Knox Lumber Co. (Saw & Planing Mills)
HENDERSON—*§Rusk County Lumber Co. (Saw & Planing Mills)
HONEY ISLAND—*Myer R. A. Lumber Co. (Saw & Planing Mills)
HOUSTON—*Bender C. & Sons
*Bland Jeff Lumber & Bldg. Co.
*Carter W. T. Lumber & Bldg. Co. (Yellow Pine)
*Carter W. T. & Bro.
§Central Coal & Lumber Co. (L. L. Yellow Pine, La. Red Cypress, etc)
*Continental Lumber Co. (Yellow Pine, Cypress, Shingles, etc)
*Hilgard Lumber Co.
*Hill J. C. Lumber Co. (Lumber & Shingles)
*Kirby Lumber Co.
*Long-Bell Lumber Co.
*Norris W. H. Lumber Co. (L. & S. Leal & Yellow Pine Lumber & "Gilbert's" Shingles)
*Palmetto Lumber Co.
*Rice J. S. & W. M. Lumber Co.
*Sabine Lumber Co.
§South Texas Lumber Co. (Saw Mill)
*Texas & Louisiana Lumber Co. (Yellow Pine & Red Cypress Lumber, Lath, Pickets, Posts, Timbers, Ties, etc)
*Thompson Bros. Lumber Co.
*Trinity River Lumber Co.( Yellow Pine Lumber, Cypress Shingles)
*Vaughn Lumber Co.
*Ware Wm. Lumber Co. (L. L. Pine Lumber, Interior Finish, Flooring, Fencing, etc)
Weir R. W. Lumber Co.
*West Lumber Co.

HUMBLE—*Bender C. & Sons (Saw & Planing Mills)
JACKSON—Pace Lumber Co. (Saw & Planing Mills)
JASPER—Gilmer, Alex'r Lumber Co. (Saw & Planing Mills)
JEFFERSON—*Clark & Boice Lumber Co. (Saw & Planing Mills)
*Torrans Mfg. Co. (Yellow Pine)
KELTYS—*Angelina County Lumber Co.
San Augustine Lumber Co.
KINGSVILLE—Kingsville Lumber Co.
KIRBYSVILLE—*Kirby Lumber Co. (Saw & Planing Mills)
LEMONVILLE—*Beatrice Lumber Co. (Saw Mill)
*Hamburg Lumber Co. (Saw & Planing Mills)
LONGVIEW—*Castleberry & Flewellen Planing Mill Co. (Yellow Pine)
LOVELADY—Lang Smith (Saw & Planing Mills)
LUFKIN—*Lufkin Land & Lumber Co. (Yellow Pine)
MANNING—Carter-Kelley Lumber Co. (Southern Yellow Pine & Cypress)
MILVID—*West Lumber Co. (Saw & Planing Mills)
NACOGDOCHES—Frost Johnson Lumber Co. (Saw & Planing Mills)
NEW WILLARD—*Texas Longleaf Lumber Co. (Saw & Planing Mills)
OAKHURST—*Palmetto Lumber Co. (Saw & Planing Mills)
ONALASKA—West Lumber Co. (Saw Mill)
ORANGE—*Lutcher & Moore Lumber Co. (Calcasien Long Leaf Yellow Pine)
*Miller-Link Lumber Co.
*Tulane Lumber Co. (Saw & Planing Mills)
PINELAND—*Temple Lumber Co. (Saw & Planing Mills)
REMLIG—Gilmer, Alex'r Lumber Co. (Saw & Planing Mills)
ROGANVILLE—*Kirby Lumber Co. (Saw
RUSK—Powell Land & Lumber Co. (Saw & Planing Mills)
SAN ANTONIO—*Vaughan Lumber Co. (Yellow Pine)
SILSBEE—*Kirby Lumber Co. (Saw & Planing Mills)
STEEP CREEK—*Kirby Lumber Co. (Saw & Planing Mills)
TALLTIMBER—*Talltimber Lumber Co. (Saw & Planing Mills)
TENAHA—Parker H. C. & Bro. (Saw Mill)
TEXARKANA—*Buchanan Wm. (Yellow Pine)
*Southern Pine Lumber Co. (Yellow Pine)
TRINITY—§Peyton John B.
*Rock Creek Lumber Co. (Saw & planing mills)
*Thompson Bros. Lumber Co.
VILLAGE MILLS—Kirby Lumber Co. (Saw & Planing Mills)
VOTH—Keith Lumber Co. (Saw & Planing Mills)
WATERMAN—Waterman Lumber & Sup. Co. (Saw & Planing Mills)
WAUKEGAN—*Keystone Mills Co. (Yellow Pine)
WESTFIELD—Boettcher Edward (Saw Mill)
WESTVILLE—*West Lumber Co. (Yellow Pine)
WHITE CITY—*Boynton Lumber Co. (Saw & Planing Mills)

### UTAH.

OGDEN—Oregon Lumber Co.
SALT LAKE CITY—§Stayner & Daly (Fir, Pine and Cedar)

### VERMONT.

BENSON—Fowler J. M. (Saw Mill)
BRATTLEBORO — *Holden & Martin Lumber Co. (Wood Mantels, Stair Finish, Boxes, Interior Finish)
BRISTOL—Lathrop Noah & Son (Saw Mill)
BURLINGTON—*Booth J. R. (Lumber & House Finish)
§Crane W. & D. G. Co. (also Packing Boxes)
*Hickok Horatio Co. (Saw Mill)
Robinson Edwards Lumber Co. (Pine & Hardwoor, Lath, Shingles & Flooring)
*Shepard & Morse Lumber Co. Canadian & Western Pine)
EAST BARNET—Roy Bros. (Saw Mill)
FAIRLEE—Perkins S. W. (Saw Mill)
HARDWICK—Sawyer C. M. (Saw Mill)
JOHNSON—Parker & Stearns (Saw Mill)
LONDONDERRY—Wait Ch. S. (Saw Mill)
MANCHESTER—Purdy W. A. (Saw Mill)
MANCHESTER DEPOT — *Rich Lumber Co. (Saw & Planing Mills)
MORETOWN—*Ward Lumber Co.
MOUNTAIN MILLS—Deerfield Lumber Co. (Saw & Planing Mills)
NEWPORT—*Prouty & Miller (Saw & Planing Mills)
NORWICH—Sargent E. P. (Saw Mill)
ORLEANS—*Parker Young Co.
PEACHAM—Jennison O. M. (Saw Mill)
PERU—*Hapgood J. J. & Co.
RANDOLPH—Marcott O. J. & Son
RUTLAND—Chaffee's F. Sons
SHARON—Sawyer Otis Co.
SWANTON—*Webster Geo. & Sons (Basswood)
TOWNSHEND—Willard Chas. H. (Saw Mills)
WAITSFIELD—Moriarty W. H. (Saw Mill)
WASHINGTON—Huntington Chas. W. (Saw Mill)
WATERFORD—Le Clair Fred (Saw & Planing Mills)
WEST DUMMERSTON—Taft John (Saw & Shingle Mill)
WINOOSKI—White Robt. J.
WORCESTER—Ladd C. M. (Saw Mill)

### VIRGINIA.

ACCOMAC—Lilliston Morris & Co. (Saw Mill)
ACHILLES—Rowe E. H. (Saw Mill)
ALTAVISTA—Altavista Dogwood Mfg. Co. (Saw & Planing Mills)
ARRINGDALE—*Camp Mfg. Co., Office, Franklin, Va.
ATKINS—Atkins Lumber Co., Inc. (Saw & Planing Mills)
BLACKEY—*Ritter W. M. Lumber Co. (Saw Mill)
BOYDTON—§Hill & Mount (Saw & Planing Mills)
BURKEVILLE—*Burkeville Lbr. Co. Inc. (Saw & Planing Mills)
BUTTERWORTH—Camp Mfg. Co. (Saw & Planing Mills)
CHARLOTTESVILLE — *Charlottesville Lumber Co.
§King Lumber Co
CHASE CITY—Jeffreys-Spauling Mfg. Co. (Saw & Planing Mills)
CLAREMONT—*Arrington H. J. Co. (Hardwood)
CORNWALL—South River Lumber Co. (Saw & Planing Mills)
DAMASCUS—Damascus Lbr. Co. (Saw & Planing Mills)
DANIELTOWN—Wheler J. R. Co. (Saw Mills)
DANVILLE—Danville Lbr. & Mfg. Co. (Saw & Planing Mills)
DUNGANNON—Dungannon Lumber Co. (Saw & Planing Mills)
FAIRWOOD—United States Spruce Lumber Co. (Saw & Planing Mills)
FORT BLACKMORE—*Stony Creek Lumber Co. (Saw Mill)
FRANKLIN—*Camp Mfg. Co. (N. C. Pine), Mills: Arringdale, Va.
FLINT HILL—Flint Hill Cooperage & Lbr. Co
GILMERTON—Roper John L. Lumber Co. (Saw Mill & Planing)
GLAMORGAN—*Currier Lumber Corp. (Saw & Planing Mills)
HARTSVILLE—*De Hart I. C. & Co.
HOTCHKISS—*Millboro Lumber Co. (Saw & Planing Mills)
HURLEY—Ritter W. M. Lumber Co. (Saw Mill)
IVOR—Shaw Land & Timber Co. (Saw & Planing Mills)
KELSA—Ritter W. M. Lumber Co. (Saw & Planing Mills)
KENBRIDGE—Kenbridge Mfg. Co. (Saw & Planing Mills)
KONNAROCK—Hassinger Lumber Co. (Saw Mill)
LYNCHBURG—Adams Bros-Paynes Co. (Saw Mill)
DeWitt H. E. Lumber Co.
*Hickson Lumber Co. (Saw Mill)
Massie Morrison Lumber Co.
§Woodson & Graves.
MARION—*U. S. Spruce Lumber Co. (Spruce, Hemlock & Hardwoods)
MASSIES MILL—*Bee Tree Lumber Co. (Saw Mill)
MOUNTAIN GROVE—Moore J. E. Lumber Co. (Saw Mill)
NORFOLK—Baylor C. M. & Co. (Saw & Planing Mills)
Berkley Box & Lumber Co., Inc. (Box Shooks & Crates)
§Blake Frank W.
§Briggs G. S. & Co. (Air Dried, Edge Stocks, Box Grades, etc)
Cake Chas. W. (Saw & Planing Mills)
Conwell & Co. (Mine Prop. Timber)
§Crockett Lumber & Pile Co.
Cuthrell, John Box Co. (Shook Mill)
*Deep River Lumber Co. (Saw & Planing Mill)
*Emich Box & Lumber Co. (Shook & Planing Mills)
*Etheridge J. E. Lumber Co.
*Fosburgh Lumber Co. (Kiln Dried North Carolina Pine, Rough & Dressed)
§Freeman E. B. (N. C. Pine Boards)
Greenleaf-Johnson Lbr. Co.
*Johnson-Greenleaf Lbr. Co.
Jordan Bros. Lumber Co. (Cedar Boat) 300 Main
Lynnhaven Lumber Co. (Mine Prop. Timber)
§McKann M. & Co.
*Nichols Bros. (Cutters & Shippers of Pine, Oak & Spruce, Piles for Bridges Trestle & Dock Building)
*Richmond Cedar Works
*Roanoke R. R. & Lumber Co. (N. C. Pine)
§Roper John L. Lumber Co. (N. C. Pine, Flooring, Ceiling, etc)
*Rowland Lumber Co.
§Trant John H., Jr.
§Virginia-Carolina Tie & Wood Co.
Watkins E. A. & Bros. (Saw & Planing Mills)
§Wilson Wood & Lumber Co.
ONANCOCK—*Platt & Co. (Saw & Planing Mills)
ONTARIO—§*Hailey C. M. (Saw & Planing Mills)
PARDEE—*Blackwood Lumber Co. (Saw & Planing Mills)
PENDLETON—Walton H. H. (Saw Mills)
PENOLA—*Rose Hill Lumber Co., Inc. (Saw & Planing Mills)
PETERSBURG—Appomattox Box Shook Co. (Shook Mill)
Paper Box & Lumber Co. (Saw & Planing Mills)
*Robertson E. A. (Pine Lumber Boards & Rough or Dressed Training)
Roper Bros. Lumber Co.
§Shepherd T. J. (Saw Mill)
PORTSMOUTH—§Hart Jno. N. Lumber Co. (Saw & Planing Mill)
PROSPECT—Taylor Co., Inc. (Saw Mill)
PUTNAM—*White Oak Lumber Co. (Saw Mill)
RICHMOND—§Elington & Guy (Yellow & N. C. Pine), 611 Times Dispatch bldg
Francis W. R. & Bros. (Saw & Planing Mill) 1422 W Cary
Gulf Red Cedar Co. (Red Cedar)
§Gunn E. G. 2211 E Main
§Gunn W. S. & Co., 1312 W Marshall
'Hamilton Ridge Lumber Co. (Saw & Planing Mills)
*Hare Robinson-Hughes, 15th
Heppert Jos. (Saw & Planing Mill), 906 Catherine
*Lea Lumber Co.
*Montague Mfg. Co., (Saw & Planing Mill), 4 S 10th
*Richmond Cedar Works (N. C. Pine, Rough & Dressed, Band Sawed, Poplar, Cypress Gum, etc), Fulton
Richmond Wood Working Co. (Saw & Planing Mill)
Siewers Richard A. (Saw & Planing Mill), 604 W Canal
§Sitterding-Carneal-Davis Co. (Saw & Planing Mill), 1601 W Leigh
*Tilghman Lumber Co.
§Winston, Miller & Clack
§Woodward & Son (Yellow & White Pine, Hardwood of All Kinds, etc), 4 S 10th
ROANOKE—*Central Mfg. Co.
*Keys-Walker Lbr. Co.
SUFFOLK — Dill Cramer-Fruitt Corp. (Saw Mill)
*Montgomery Lumber Co. (See New York)
TEMPERANCEVILLE—Jones J. H. (Saw Mill)
VICTORIA—*Weaver R. S. (Saw Mill)
WAVERLY—*Gray Lumber Co. (Saw & Planing Mills)
WEST POINT—§Richardson R. E. & Co.
WHALEYVILLE—Jackson Bros. Co. (Saw & Planing Mills)
WINCHESTER—*§Glaize Bros.
WOODSON—Woodson Lumber Co. (Saw Mill)
WOODSTOCK—Harris I. H. (Saw Mill)

### WASHINGTON.

ABERDEEN—Aberdeen Lumber & Shingle Co. (Lumber & Shingles)
*American Mill Co. (Lumber & Shingles)
*Anderson & Middleton Lumber Co.
*Bay City Lumber Co. (Saw Mill)
*Big Creek Timber Co.
*Coats-Fordney Logging Co. (Logging)
*Donovan Lumber Co. (Saw Mill)
*Federal Mill Co. (Branch of San Francisco)
*Grays Harbor Logging Co. (Logging)
*Grays Harbor Shingle Co.
*Saginaw Timber Co.
*Slade S. E. Lumber Co. (Branch of San Francisco)
*Union Timber Co. (Logging)
§Pacific Lumber Agency
*West A. J. Lumber Co.
*Wilcox Shingle Co.
*Wilson Bros. & Co. (Saw & Planing Mill)
*Wishkah Shingle Co.
ACME—Miller G. W. Shingle Co. (Red Cedar Shingles)
ADDY—*Dearinger & Brunner (Saw Mill)
ALDER—*Reliance Lumber Co. (Branch of Seattle)
Johnson J. C. Lumber Co. (Saw Mill)
*Nisqually Shingle Co. (Shingle Mill)
ALOHA—*Aloha Lumber Co.
*Joe Creek Shingle Co. (Shingle Mill)
ALPINE—*Nippon Lumber Co. (Lumber & Shingles)
ANACORTES—Anacortes Lumber & Box Co.
*Burke Shingle Co. (Shingle Mill)
Cavanaugh J. H. & Sons (Shingle Mills)
*Corbett Mill Co. (Shingle Mill)
*Fidalgo Lumber & Box Co. (Saw Mill)
Hamilton J. E. (Shingle Mill)
Reichert Cedar Co. (Shingle & Planing Mills)
*Vincent G. E. (Shingles, etc)
ARLINGTON—*Brown-Kunze Co. (Shingle Mill)
*Hartford Shingle Co. (Shingle Mill)
*North Star Shingle Co., Inc. (Shingle Mill)
*Verd Cedar Co. (Shingles, etc)
ASOTIN—Farrish Arthur Lumber Co.
ATTALIA—*Coulee Lumber Co.
AUBURN—*Wilder J. E. (Lumber)
BALLARD—(See Seattle)
BARNESTEN—*Kent Lumber Co. (Saw & Planing Mills)
BATTLE GROUND—Brothers J. W. (Saw Mill)
BELLEVILLE—*Butler Lumber Co. (Saw & Shingle Mills)
BELLEVUE—*Heweet Lea Lumber Co. (Saw & Planing Mills)
BELLINGHAM—Bloedel Donovan Lumber Mills (Saw & Planing Mills)

*Commercial Shingle Co. (Shingle Mill)
*Futurity Investment Co. (Shingle Mill)
*Jerns Nicholas (Shingle Mill) (Shingles)
Jerns N. (Shingle Mill)
*Lake Shingle Co. (Shingle Mill)
*Manley & Sons (Shingle Mill)
*Mattson & Anderson (Shingle Mill)
*Miller Bros. Lumber Co.
*Minnesota-Western Lumber Co.
Mogul Logging Co.
*Morrison Mill Co. (Saw & Shingle Mill)
Nestos Timber Co., Ltd.
*Pancoast Shingle Co.
Puget Sound Sawmill & Shingle Co. (Saw & Planing Mills)
*Silver Beach Shingle Co.
*Upright Shingle Co. (Saw Mill)
Whatcom Falls Mills Co. (Saw Mill, etc)
*Wood E. K. Lumber Co. (Branch of San Francisco)

BIG LAKE—*Day Lumber Co. (Saw & Shingle Mills)
Progressive Mill & Logging Co. (Saw Mill)
BIRDSVIEW — *Hightown Lumber Co., North Bluff Mill Co. (Saw Mill)
*Saginaw Shingle Co. (Saw Mill)
BLANCHARD—Hazel Mill Co. (Saw & Planing Mills)
BLAINE—*Blaine Shingle Co.
Morrison Mill Co. (Saw & Shingle Mill)
BLEWETT—Peshastin Lumber Co. (Saw & Planing Mills)
BLUECREEK—Elkhorn Mill Co. (Saw Mill)
BLUESLIDE—White Pine Cedar Co. (Saw & Planing)
BORDEAUX—*Mumby Lumber & Shingle Co.
BOTHELL — Oakville Shingle Co. (Shingles)
BOW—*Cleary Bros. (Shingle Mill)
Butler Lbr. Co. (Saw & Planing Mills)
BREWSTER—*Gamble Lumber Co. (Saw & Planing Mill)
BRYANT—*Stimson Mill Co. (Loggers)
BUCKLEY—*Page Lumber Co. (Lumber & Shingles)
BUCODA—*Bucoda Shingle Co. (Saw Mill)
BUNKER—*Bunker Shingle Co. (Shingle Mill)
Hill Logging Co. (Saw Mill)
BURLINGTON—Knutzen Bros. (Shingle Mill)
BURNETT—*Knowlton B. E. (Saw Mill)
CAMAS—Cavitt, J. H. (Saw Mill)
Las Camas Mill & Flume Co. (Saw & Planing Mills)
*Peterson Bros (Saw Mill)
CARLISLE—*Copalis Lumber Co. (Saw Mill)
CARLSBORG—*Carlsborg Mill & Timber Co. (Saw & Planing Mills)
CARLTON—Plessinger Lumber Co. (Saw Mill)
CASHMERE—Cashmere Lumber Co. (Saw Mill)
*Schmitten F. W. & Co. (Saw Mill)
CASTLE ROCK—*Cowlitz Shingle Co. (Shingle Mill)
Dirks Henry (Saw Mill)
*Peabody & Buland (Shingle Mill)
*Robin T. W. (Shingles)
*Silver Lake Railway & Lumber Co. (Loggers, etc)
CENTRALIA—*Eastern Railway & Lumber Co. (Shingles)
*Lincoln Creek Lumber Co.
Lumber Mfrs. Agency (Fir, Spruce, Cedar Lumber & Shingles, Fir Railroad & Structural Timbers, Car Materials, Yard Stock, Finish, Flooring, Ceiling, Lath & Cedar Shingles)
*Lumber Transit Co. (Planing Mills)
*Martin H. H. Lumber Co.
CHATTAROY—Sexton J. F. & Co.
CHEHALIS—Chehalis Mill Co. (Saw & Planing Mills)
*Chehales Shingle Co.
Coal Creek Lumber Co. (Saw Mill)
Shaver R. M. (Saw Mills)
CHELAN—Lake Chelan Box Factory (Saw & Planing Mills)
CHESAW—*Baker-Nealey Co. (Saw Mill)
Richter Julius (Saw Mills)

CLEAR LAKE—*Clear Lake Lumber Co. Fir Lumber & Upright Swan & Clear Red Cedar Shingles)
CLE ELUM—Miller & Dunn (Saw Mill)
CLINTON—*Salisbury Bros. (Shingle Mill)
CLIPPER—*Clipper Shingle Co.
COLBY—*Colby Mill Co.
COLFAX—*Potlatch Lumber Co. (Lumber & Planing Mill)
COLVILLE—Diehl D. S. & Co. (Saw Mill)
Loucks J. H. (Saw Mill)
CONCONULLY—*McDaniels Wm (Saw Mill)
CONCRETE—*Baker River Lumber Co. (Shingle Mills)
CONNELL — *Potlatch Lumber Co. (Branch of Potlatch, Idaho)
COSMOPOLIS—*Grays Harbor Commercial Co. (Spruce & Red Cedar Shingles, Fir Tanks, Crossties, Poles, Dressed Lumber for Interior Finish, Ceiling, Siding, Wainscoting, Mill Work, Box Shooks, mixed cars of Lumber & Shingles, etc)
COULEE CITY—*Wright Bros. Lumber Co., Ltd.
COUPEVILLE—Coupeville Lumber Co.
*Island Mfg. Co. (Saw & Shingle Mill)
CUSICK—*Phelps M. A. Lumber Co. (Saw Mill)
CUSTER—*Custer Lumber Co. (Shingles)
*Jeffers F. K. (Saw Mill)
DALKENA—*Dalkena Lumber Co.
DARRINGTON—Giles Lumber Shingle Co. (Saw Mill)
DARTFORD—*Dart H. W. (Saw Mill)
DEER PARK—*Deer Park Lumber Co., (Saw Mill)
*Stevens Lumber Co. (Saw Mill)
DOTY—*Doty Lumber & Shingle Co.
DRYAD—*Luedinghaus Bros. (Saw Mill)
DUVALL—*Cherry Valley Shingle Co. (Shingle Mill)
EAGLE GORGE—*Page Lumber Co. (Saw & Planing Mills)
EASTON—*Cabin Creek Lumber Co. (Saw Mill)
EATONVILLE—*Eatonville Lumber Co. (Saw Mill)
*Eppler Lumber Co. (Branch of Tacoma)
*Tide Water Mill Co. (Saw & Planing Mills)
ECHO—*Onstine A. (Saw Mill)
EDGEWICK—*North Bend Lumber Co. (Saw & Planing Mills)
EDMONDS—*A. & C. Mill Co. (Shingle Mill)
*Mowat Lumber Co. (Shingles, etc)
Proctor Cedar Co. (Shingle Mill)
*Quality Shingle Co. (Saw Mill)
Queen Mill Co. (Saw Mill)
*Union Shingle Co. (Shingles)
*Wasser-Mowat Shingle Co.
*Yost A. M., Est. of (Lumber & Shingles)
ELBE—*Cedar Shingle Co.
*Elbe Lumber & Shingle Co.
*McDade Shingle Co. (Saw Mill)
Pleasant Valley Shingle Co.
ELK—Edwards & Bradford Lumber Co. (Saw Mill)
ELLENSBURG—*Kittitas Lumber Co. (Saw Mill)
*Ellensburg Lumber Co. (Saw Mill)
ELMA—Williams Creek Shingle Co. (Saw Mill)
ENTIAT—*Gray Geo. H. & Son (Saw Mill)
ENTIAT—*Gray Geo. H. & Son (Saw (Drop Siding, Ceiling, Finish Edge, Grain Fir Flooring)
ETNA—*Harvey Mill Co.
EVERETT—Baker Fred K. Lumber Co. (Red Cedar Lumber, Lath, Shingles & Mouldings)
Blackman C. A. & Co. (Shingles)
*C. B. Lumber & Shingle Co. (Shingle Mill)
*Cargo Shingle Co. (Shingle Mill)
Canyon Lumber Co. (Saw Mill)
*Clark-Nickerson Lumber Co.
*Clough-Hartley Co. (Saw & Shingle Mill)
§Connor & Grager Inc. (Shingle Mill)
*Eclipse Mill Co. (Lumber & Shingles)
Everett Mutual Mill Co. (Shingle Mill)
*Everett Shingle Co. (Shingles)
*Ferry-Baker Lumber Co. (Fir Lumber & Lath, Red Cedar, Beveled Siding, Shingles, etc)
*Garner Shingle Co. (Shingle Mill)

*Hartley Shingle Co. (Saw & Shingle Mill)
*Jamison Mill Co. (Shingle Mill)
*Mukilteo Shingle Co. (Shingle Mill)
*National Pole Co. (Branch of Escanaba, Mich.)
*Pacific Timber Co. (Fir Timbers, Deep Joist, Flooring, Ceiling, Cedar Siding & Shingles)
Robinson Mfg. Co. (Saw & Planing Mills)
*Rucker Bros. (Saw Mill)
Walton Lumber Co. (Saw Mill)
*Weyerhaeuser Timber Co. (R. R. Timbers, Car Materials, Flooring, Finish, Ceiling, Siding, Newels, Mouldings, Wagon Bottoms, etc)
EVERSON—*Hemmi-Nygren Mfg. Co. (Shingle Mill)
FAIRFAX—*Manley Moore Lumber Co. (Saw & Planing Mills)
FERNDALE—Pehrson August (Saw Mill)
FLORENE—*Hals John (Saw Mill)
FORKS—*Iverson J. B. (Saw Mill)
FORTSON—*Fortson Shingle Co.
*McCaughey Mill Co. (Branch of Seattle)
GERTRUDE—*Washington Lumber & Box Co. (Saw & Planing Mills)
GETCHELL—*Eggert G. S. (Shingles)
GLACIER—Campbell Moore Lumber Co. (Saw Mill)
GLOBE—*Globe Lumber Co.
GOLDBAR—*Goldbar Lumber Co. (Saw & Planing Mill)
GOLDENDALE—Cameron J. E. Lumber
Klatt W. C. & Sons
Co. (Planing Mill)
GOSHEN—*Fazon & Zimmers (Saw Mill)
*Goshen Lumber Co. (Saw Mill)
GRANITE FALLS—*Chappell Shingle Co. (Shingles)
Menzel Wm. (Saw Mill)
Waite Mill & Timber Co. (Saw & Planing Mills)
HALL—Dayton Sawmill & Lumber Co. (Saw Mill)
HARRINGTON—*Harrington Milling Co.
HARTFORD—Rucker Bros. (Branch of Everett)
HAZEL—*Lake Riley Mill Co.
HEISSON—*Ryan-Allen Lumber Co.
HEYBROOK—*Heybrook Lumber Co. (Saw & Planing Mills)
HIGH POINT—*High Point Mill Co. (Shingle Mill)
HILLYARD—*Arlington Milling & Lumber Co.
*Hillyard Lumber Co.
HOBART—*Wood & Iverson
HOLLYWOOD—*Page & Bolster Shingle Co. (Saw Mill)
HOQUIAM—*Coats Shingle Co.
Corkey Bros. Logging Co. (Loggers)
Davenport-Paine Co. (Loggers)
*East Hoquiam Shingle Co. (Shingle Mill)
*Endresen Spar & Timber Co.
*Eureka Cedar Lumber & Shingle Co.
*Grays Harbor Lumber Co. (Saw Mill)
*Hoquiam Lumber & Shingle Co.
*Hoquiam Sash & Door Co. (Saw & Planing Mills)
Lamb Frank H. Timber Co. (Loggers)
*Lytle Logging & Mercantile Co (Logging)
*National Lumber & Mfg. Co. ("Grays Harbor" Fir & Spruce; mixed cars of Lumber, Mouldings, Columns & Lath)
*Northwestern Lumber Co. (Spruce Fir & Cedar Shingles)
*Wood E. K. Lumber Co. (Fir, Spruce & Box Mfrs. (Branch of San Francisco)
Woodlawn Mill & Boom Co. (Saw Mill)
HUMPTULIPS—*Quianault Shingle Co. (Saw Mill)
INDEX—Index-Galena Lumber Co. (Pacific Coast Woods & Shingles)
INGLEWOOD—*Semmamick Shingle Co. (Saw Mill)
IONE—*Panhandle Lumber Co., Ltd. (Branch of Spirit Lake, Idaho)
ISSAQUAH—Neukirchen Bros. (Saw & Planing Mills)
JOYCE—Port Crescent Shingle Co. (Saw Mill)
KALAMA—*Mountain Timber Co. (Branch of Omaha, Neb.)
*Kapowsin Mill Co. (Saw & Planing Mills)
KEECHELUS—Kittitas Lumber Co. (Saw & Planing Mills)

WASHINGTON—continued
KELSO—*Coweeman Driving & Rafting Co. (Loggers)
*Kelso Lumber Co. (Saw Mill)
*Moore J. N. (Shingle Mills)
KENT—*Covington Lumber Co.
KERRISTON—*Northwest Lumber Co. (Branch of Seattle)
KETTLE FALLS—*Charlton J. J. (Saw Mill)
KEYSTONE—*Stone Roller T.
KLICKTAT—*Western Pine Lumber Co. (Saw & Planing Mills)
KNAPPTON—*Astoria Timber & Lumber Co. (Branch of Astoria, Ore.)
*Knappton Mills & Lumber Co.
KNOWLTON—*Brewster Lumber Co.
LACENTER—*Brothers James W.
LACEY—*Russell Thos. N. (Shingles)
LAKE CITY—*Hillyard Lumber Co.
LAKE STEVENS—*Rucker Bros. (Saw Mill & Shingles)
LAWRENCE—Bridge Shingle Co. (Saw Mill)
LEAVENWORTH—*Great Northern Lumber Co. (Saw & Planing Mills)
Great Western Lumber Co. (Western Pine & Fir)
LEBAM—Lebam Mill & Timber Co. (Saw Mill)
LINDBERG—Mountain Road Mill Co. (Saw Mill)
LITTLE FALLS—*Stillwater Lumber Co.
LITTELL—Snow Lumber & Shingle Co. (Saw Mills)
LOON LAKE—*Holland-Horr Mill Co. (Branch of Spokane)
LOWELL—New England Mfg. Co. (Shingle Mill)
*Valley Shingle Co. (Saw Mill)
LYLE—Lyle Lumber & Mfg. Co. (Saw Mills)
*Shippey O. E. (Saw Mill)
LYMAN—*Skagit Mill Co.
LYNDEN—*Lynden Mill & Light Co. (Shingle Mill)
*Roo & Van Leeuwen Lumber Co.
Shady Brook Shingle Co. (Saw Mill)
McCORMICK—*McCormick Lumber Co. (Fir Yard Stocks, Flooring, Ceiling, Dimension, Long Timbers, Cross Arms & Shingles)
*McCleary Henry Timber Co. (Saw & Planing Mills)
McINTOSH—*Perry A. P. Lumber Co. (Saw & Planing Mills)
McKENNA—*McKenna Lumber Co. (Saw & Planing Mills)
McMILLIN—*Overton Lumber Co. (Saw & Planing Mills)
McMURRAY—*Atlas Lumber Co. (Saw & Planing Mills)
MACHIAS—Bartlett Mill Co. (Shingles)
MALONE—*Vance Lumber Co. (Saw & Planing Mills)
MAPLEFALLS—Silver Lake Mfg. Co. (Saw & Planing Mills)
MARCUS—Holston E. A. (Saw Mill)
MARKHAM—*Markham Shingle Co.
*Deming F. G. Lumber & Shingle Co. (Saw Mill)
MARYSVILLE—*Kruse Shingle Co. (Saw Mills)
Marysville Mfg. Co. (Saw Mill)
Plant Mfg. Co. (Saw Mill)
*Royal Cedar Co. (Saw Mill)
MATLOCK—Ford H. E. (Saw Mill)
MESKILL—Meskill Lumber Co. (Saw Mills)
METALINE FALLS—Sexsmith Lumber Co. (Saw & Planing Mills)
METHOW—*Methow Sawmill Co. (Saw & Planing Mills)
MIDLAND—Howell-Hill Mill Co. (Saw Mill)
MILAN—*Spokane Lumber Co.
MILLTOWN—Victoria Mill Co. (Saw Mill)
MINERAL—Carlson Lumber Co. (Saw Mill)
Miller-Wilson Lumber Co. (Saw Mill)
Mineral Lake Lumber Co. (Saw & Planing Mills)
Smith M. R. Lumber & Shingle Co. (Saw & Planing Mills)
*Valley Shingle Co. (Saw Mill)
MOCLIPS—Smith M. R. Lumber & Shingle Co. (Saw Mill)
MOLSON—Mitchelly S. C. Co. (Saw Mills)
*Hillview Shingle Co. (Saw Mill)
Hoquiam Sash & Door Co. (Saw & Planing Mills)
*Sunset Shingle Co. (Saw Mill)
MONOHAN—*Allen & Nelson Mill Co. (Saw Mill, Lumber Mfrs., Piling, Loggers, Fir & Hemlock)
MONROE—Johnson John (Saw Mill)
*Monroe Mill Co. (Shingles, etc.)
Stepneno-Bird Lumber Co. (Saw & Planing Mills)
§Wagner & Wilson (Cedar Shingles, Shingles, Fir Flooring, etc)
MONTBORNE—Nelson-Neal Lbr. Co.
MONTESANO—*Bishop E. K. Mill Co.
Clemons Chas. H. (Loggers)
*Hoquiam Sash Door Co.
MORTON—*Lake Creek Shingle Co. (Saw Mill)
MOUNT VERNON—Progressive Mill & Logging Co. (Saw Mill)
MUKILTEO—*Crown Lumber Co. (Saw & Planing Mills)
*Mukilteo Shingle Co. (Saw Mill)
WASHINGTON—continued
NAGROM—*Morgan Lumber Co. (Saw & Planing Mills)
NAPAVINE—Emery & Nelson
*Napavine Lbr. & Mfg. Co. (Fir)
*Napavine Lumber & Mfg. Co. (Saw Mills)
NATIONAL—*Pacific National Lumber Co. (Saw Mill)
NORTHPORT—Palm & Sons (Saw Mill)
Standard Lumber Co. (Saw Mill)
NORTH YAKIMA—Cascade Lumber Co. (Kilp Dried Western Pine, Lap Siding, Finnish, etc.)
OAK POINT—Nequally Lumber Co. (Saw Mill)
OLYMPIA—*Buchanan Lumber Co. (Saw & Planing Mills)
*Olympia Door Co. (Shingles, etc)
McCleary Henry Timber Co. (Saw Mills)
*Panama Lumber & Shingle Co. (Saw Mills)
OMAK—*Columbia Valley Lumber Co.
ONALASKA—Carlisle Pennell Lumber Co.
ORIN—Winslow Lumber Co.
OROVILLE — Mitchell S. C. Co. (Saw Mill)
OSO—*Oso Shingle Co. (Saw Mill)
OSTRANDER—*Ostrander R'y & Timber Co. (Long Timber, Spars & Ties)
PE ELL—*Yeoman Lumber Co.
PENRITH—King Sash Door & Lumber Co. (Saw Mill)
PESHASTIN — *Peshastin Lumber Co. (Saw Mill)
Wright C. A. (Saw Mill)
PILCHUCK—*Parker Bell Lumber Co.
POMEROY—*Potlatch Lumber Co. (Lumber & Planing Mill)
PORT ANGELES—*Eacrett Mill Co. (Shingles)
*Filion Mill & Lumber Co.
*Fuca Shingle Co. (Saw Mill)
Puget Sound Mills & Timber Co. (Fir, Red Cedar, Spruce, Western Hemlock, Cargo Mills & Shingles)
*Wait Elk Shingle Co. (Saw Mill)
PORT BLAKELEY—*Port Blakeley Mill Co. (Telegraph Arms, Lumber, etc.)
PORT GAMBLE—Pope & Talbot
*Puget Mill Co. (See San Francisco)
PORT LUDLOW—*Puget Mill Co. (See San Francisco)
PRAIRIE—*Hoyt J. M. (Shingles)
PRESTON—Preston Mill Co. (Red Cedar Fir & Spruce Lumber & Red Cedar Shingles)
PUYALLUP—Brew Mfg. Co. (Saw & Planing Mills)
*Evergreen Lumber Co. (Saw & Planing Mill)
QUILCENE—Green Mill Co., Inc. (Saw Mill)
RAINIER—*Lindstrom Handforth Lumber Co. (Saw & Planing Mills)
RAYMOND— Case Shingle & Lumber Co. (Shingle Mill)
*Coats A. S. Shingle Co. (Shingle Mills)
Hanify Lumber Co. (Saw Mill)
Hart Wood Mill Co. (Saw Mill)
Quinault Lumber Co. (Saw Mill)
*Raymond Lumber Co. (Fir & Spruce)
Siler Mill Co. (Spruce, etc)
Southwest Mfg. Co. (Saw Mill )
*Willapa Lumber Co. (Fir, Spruce, Shingles, etc)
REDMOND—Campbell Mill Co. (Saw & Planing Mills)
RENTON—May Creek Shingle Co. (Shingle Mill)
REPUBLIC—*Karamin Lumber Co. (Saw & Planing Mills)
RIDGEFIELD—Potter H. J. (Saw Mill)
ROBE—*Richardson & Walker (Shingle Mill)
ROCHESTER—N. & M. Lumber Co. (Saw & Planing Mills)
ROCKPORT—*Rockport Mill Co. (Shingle Mill)
ROSBURG—*Gray's River Shingle Co. (Saw Mill)
SCOTIA—Graham Chas.
SEATTLE—*Allen & Nelson Mill Co. (Fir)
*Atlas Lumber Co. (Fir, Red Cedar Lumber & Shingles), Atlas bldg
Belt Line Shingle Co. (Shingle Mill)
Brace & Hergert Mill Co. (Saw Mills)
*Bryant Lumber & Shingle Mill Co. (Lumber & Shingles)
§Buckeye Lumber Co. (Cedar & Fir), Campbell Napoleon (Red Cedar Shingles), 2453 W 54th
Canal Lumber Co. (Red Cedar Shingles), Interbay Station
*Chinook Lumber & Shingle Co. (Fir & Cedar)
*Commercial Cedar Co., Lumber & Shingles)
*David Lester W. Lumber Co. (Fir, Spruce & Cedar)
*Day Lumber Co.
Dunn Lumber Co. (Fir, Red Cedar Shingles), White bldg
Foster-Morgan Lumber Co. (Fir), Henry bldg
§Hartmann Neubert Lumber Co. (Spruce, Fir & Red Cedar)
§Herron Lawton Parks Co. (Fir, Cedar, Tank & Structural Railroad, Mining, Bridge & Ship Timbers), Henry bldg.
*Lake Union Shingle Co. (Shingle Mill)
McDonnell J. W. Lumber Co. (Saw Mill)
McLaughlin Taylor Co. (Shingle Mill)
*Motor Shingle Co. (Shingle Mill)
Mullins Sawmill Co. (Saw & Planing Mills)
Newell-Bissell Lumber Co. (Saw & Planing Mills)
*Newell Mill & Lumber Co.
*Northwest Lumber Co. (Shingles, etc.)
*Old Oregon Lumber Co.
Oregon-Washington Lumber & Mfg. Co. (Fir, Spruce, Mont., Idaho Pine), Henry bldg
§Pacific Fir Co. (Timber, Piling, Ties, Red Cedar, Shingles, etc.)
*Phoenix Shingle Co. (Shingle Mill)
§Pine-Fir Co. (Cedar Shingles)
*Pinkham J. E. Lumber Co.
§Pioneer Lumber Co. (Fir, Spruce, Hemlock, Red Cedar, White Pine)
*Pontiac Shingle Co. (Shingle Mill)
*Preston Mill Co. (Fir)
Puget Mill Co. (Fir), Mills, Port Gambye, Wash.
*Reliance Lumber Co.
*Roy E. B. Lumber Co. (Fir, Spruce & Red Cedar Lumber & Shingles)
*Schwager & Nettleton (Inc.) (Fir, Cedar, Spruce, Idaho White Pine, Red Cedar Shingles)
*Seattle Cedar Lumber Mfg. Co. (Sliding, Moulding, Columns, Newells & Shingles, etc.)
§Seattle Construction & Dry Dock Co. (Fir, Cedar & Spruce Lumber, Spars & Piles)
*Seattle Lumber Co. (Fir Lumber, Lath & Red Cedar Shingles)
Seattle Mill & Logging Co. (Saw Mill)
§Shepard-Traill Co. (Red Cedar, Spruce Fir, Cedar Shingles, etc.)
Sobey, James (Shingle Mill)
*Smith M. R. Lumber & Shingle Co. (Shingles, etc)
*Sound Lumber Co. (Pacific Coast Lumber & Shingles)
*Stetson & Post Lumber Co. (Saw Mills)
Stevenson Lumber Co.
*Stimson Mill Co. (Lumber, Shingles & Saw Mills)
*Two Lakes Mills Co. (Shingle Mill)
West Waterway Lumber Co. (Saw Mill)
*Wilson Robert S. (Lumber & Red Cedar Shingles)
Wollenweber O. Co. (Fir, Spruce & Shingles), White bldg.

SEDRO WOOLLEY—*Casey-Childs Shingle Co. (Shingle Mill)
*Cony Shingle Co. (Shingle Mill)
*Grand Rapids Shingle o. (Shingles, etc)
*Shrewsbury H. H.
SELLECK—*Pacific States Lumber Co. (Saw & Planing Mills)
SHELTON—Ingersoll Shingle Mfg. Co. Shingle Mill)
*Simpson Logging Co.
SILVER BEACH—Mattson & Anderson
SILVER LAKE—*Barnes F. G. (Shingles)
SKAMOKAWA—*Columbia Cedar Co. (Shingle Mill)
Howell Shingle Co. (Shingle Mill)
SKYKOMISH—Columbia Valley Lumber Co. (Saw & Planing Mills)
SNOQUALMIE—Snoqualmie Falls Lumber Co. (Saw & Planing Mills)
SOUTH BEND—*Andahl John (Shingle Mill)
*Columbia Box & Lumber Co.
*Kleeb Lumber Co. (Fir & Spruce Lumber, Fir Flooring, Ceiling, Stepping Fir Yard Shooks)
*South Bend Mills & Timber Co.
*North Palix Shingle Co. (Shingle Mill)
*Willapa Logging & Timber Co.
SOUTH PRAIRIE — *Nettleton - Bruce Logging Co.
SPOKANE—*Canadian-American Lumber Co. (Pine, Fir & Spruce)
§Dean Lumber & Fuel Co. (Saw Mill)
§Holland-Horr Mill Co.
*McGoldrick Lumber Co. (Western Soft Pine, Idaho White Pine Lumber & Lath)
*Manning Shingle Co. (Shingle Mill)
*Mohr Chas. W. (Shingle Mill)
*Phoenix Lumber Co. (Saw & Planing Mills)
§Pine-Fir Co. (Cedar Shingles)
Sexton J. F. & Co.
*Spokane Lumber Co.
SPRINGDALE—Phoenix Lumber Co. Saw & Planing Mills)
*Avondale Shingle Co. (Shingle Mill)
STANWOOD — *Stanwood Lumber Co. (Shingles, etc)
Timber)
Wisconsin Timber Co. Inc. (Saw Mill)
STARTUP—*Wisconsin Timber Co. (Saw Mill)
STEARNSVILLE—*Stearns Lumber & Shingle Co. (Shingle Mill)
STEVENSON—Youmans Simpson Lumber Co. (Saw & Planing Mills)
SUMAS—*Columbia Valley Co-operation Shingle Co. (Shingle Mill)
SUMNER—D. & M. Lumber Co. (Saw Mill)
*White River Shingle Co. (Saw Mill)
TACOMA—Addison Hill Lumber Co., (Saw Mill)
*Big Creek Shingle Co. (Shingles, etc)
*Bismarck Mill Co.
Buffelen Lumber & Mfg. Co. (Saw & Planing Mills)
*Clover Creek Lumber Co. (Saw & Planing Mills)
*Clear Fir Lumber Co. (Saw & Planing Mills)
*Danaher Lumber Co.
*Defiance Lumber Co.
*Dempsey Lumber Co. (Timber & Shingles)
Dolge Ernest, Inc. (Saw Mill)
*Far West Lumber Co.
*Fir Tree Lumber Co. (Saw & Planing Mills)
*Foster Lumber Co. (Fir Lumber)
*Hague Box & Lumber Co.
*Howell-Hill Mill Co. (Shingles, etc)
*Isley Lumber Co. (Saw & Planing Mills)
Leybold-Smith Shingle Co.
*Lindstrom-Handforth Lumber Co.
McPhee & McGinnity Co.
*Manley-Moore Lumber Co.
*Midland Lumber Co. (Saw & Planing Mills)
*Mineral Lake Lumber Co. (Shingles, etc.)
*Nebraska Bridge Supply & Lumber Co.
*North End Lumber Co. (Saw & Planing Mills)
Northern Coast Timber Co. (Red Cedar Posts & Piling)
*Pacific National Lumber Co. (Shingles, etc)
*Pacific States Lumber Co.
Peterman Mfg. Co. (Saw & Planing Mills)
*Puget Sound Lumber Co.
*St. Paul & Tacoma Lumber Co. (Lumber, Ship & Bridge Timbers, Shingles, Lath, Spars, Piling, etc)
*Savage Bros.
*Scott & Howe.
Ship Lumber Mill Co. (Saw & Planing Mills)
*Tacoma Fir Door Co.
*Tacoma Mill Co. (Douglas Fir, Oregon Pine, Plank Timbers, Ship Plank, Flooring, Rustic Ceiling, Lath, Pickets, Staves, Spars, Piling, Shingles, etc)
*Washington Mfg. Co.
§West Coast Shingle Co. (Shingles, etc)
*Western Fir Lumber Co. (Saw &
*Wheeler-Osgood Co. (Cedar & Fir Sash, Doors, etc)
*Wheeler-Reese Lumber Co.
TENINO—*Mutual Lumber Co. (Saw & Planing Mills)
*Skookum Lumber Co. (Saw Mill)
THREE LAKES—*Three Lakes Lumber Co. (Saw & Planing Mills)
TIGER—St. Regis Lumber Co. (Saw Mill)
TOLEDO—Badger & Badger.
UNDERWOOD—Climax Lumber Co. (Saw Mill)
UNION MILLS—*Union Lumber Co. (Saw & Planing Mills)
VADER—Banzer Bros. (Saw Mill)
VALLEY—*Kulzer Jno. G.
VAN BUREN—Miller M. H. & Sons Mill Co. (Shingle Mill)
VANCOUVER—Du Bois Lumber Co.
Ryan-Allen Lbr. Co.
Vancouver Lumber Co. (Saw & Planing Mills)
VAN HORN—*Van Horn Shingle Co. (Shingle Mill)
VASHON—Steen H. Mill Co. (Saw Mill)
WALLA WALLA—*Whitehouse-Crawford Co.
WALVILLE—*Walville Lumber Co.
WENATCHEE—*Wenatchee Lumber Co.
WHITES—*White Star Lumber Co. (Saw & Planing Mills)
WHITE SALMON—Millsap & Dickey (Saw Mill)
WICKERSHAM — *Wickersham Shingle Co.
WINLOCK—Black Diamond Lumber Co. (Saw Mill)
*O'Connell Lumber Co. (Wash'n Fir & Poles & Piling up to 100 ft. in length)
*Veness J. A. Lumber Co. (Saw Mill)

## WEST VIRGINIA.

ACCOVILLE—*Peytona Lumber Co. (Saw & Planing Mills)
ALBRIGHT—Caflisch Lumber Co. (Saw & Planing Mills)
ALEXANDER—§Croft Lumber Co. (Saw & Planing Mills)
AVONDALE—*Ritter W. M. Lumber (Saw Mill)
BERKELEY SPRINGS—Crosfield Wm. (Saw Mill)
BEMIS—*§Bemis J. M. & Son (Saw & Planing Mills)
BERWIND—*Berwind Lumber Co. (Saw & Planing Mill)
BLUEFIELD—*Georgia Lumber Co. (Saw & Planing Mill)
BLUE JAY—*Blue Jay Lumber Co. (Saw & Planing Mills)
BOYER—*North Fork Lumber Co. (Saw & Planing Mills)
BUCKHANNON — *Alton Lumber Co. (Hardwood)
*Stockert G. F. & Son
CHARLESTON—*Charleston Lumber Co. (Saw & Planing Mill)
*Courtney Co. (Poplar & Oak Lumber, R. R. Ties, Bill Stuff Light Cooperage Stock)
Steinbeck L. O. Lumber Co. (Saw Mill)
*West Virginia Timber Co.
Wilderness Lumber Co.
Yellow Pine Lumber Co.
CHELYAN—*Porter Lumber Co. (Saw & Planing Mills)
CLARKSBURG—Pardee & Curtin Lumber Co. (Saw Mill & West Virginia Hardwoods)
CLOTHIER—Boone Timber Co. (Saw & Planing Mills)
CLOVERLICK—*Wise F. S. & Sons (Saw Mill)
COWEN—Smoot Lumber Co. (Saw Mill)
CURTIN—Pardee & Curtin Lumber Co. (Saw & Planing Mills)
DEER CREEK—Range Lumber Co. (Saw & Planing Mills)
DINGESS—Hutchinson Lumber Co. ,Saw Mill)
DOBBIN—*Parsons Pulp & Lbr. Co. (Saw & Planing Mills)
ELKINS—Brown M. M. & D. D. (Saw Mill)
*§Hardman Lbr. Co. (Saw Mill)
*§Keystone Mfg. Co. (Saw & Planing Mills)
Wildell Lumber Co.
ELLAMORE—Moorse-Keppel Co. (Saw Mill)
ERWIN—*Glade Lbr. Co. (Saw Mill)
EVENWOOD — *Raine-Andrews Lumber Co. (Saw & Planing Mills)
FITZPATRICK—*Raleigh Lumber Co. (Saw & Planing Mills)
GARDNER—*Bluestone Land & Lumber Co. (Saw & Planing Mills)
GAULEY MILLS—Cherry River Boom & Lumber Co. (Saw & Planing Mills)
HAMBLETON—*Otter Creek Boom & Lumber Co. (Hemlock)
HACKER VALLEY—*Mayton Lumber Co. (Saw & Planing Mills)
HERNDON—§*Guyan Lumber Co. (Saw & Planing Mills)
HOLCOMB—Cherry River Boom Lumber Co. (Saw Mill)
HONEY DEW—*Raine Lumber Co. (Saw Mill)
HORTON—*Parsons Pulp & Lbr. Co. (Saw & Planing Mills)
HUNTINGTON—Callaway C. M. Lumber Co.
Hutchinson Lumber Co. (Saw Mill)
Peytona Lbr. Co.
Ritter C. L. Lbr. Co.
Sliger Bros. (Saw Mill)
JENNINGSTON—*Laurel River Lumber Co. (Spruce, Hemlock & Hardwoods)
KERMIT—*Hewit D. E. Lumber Co. (Saw & Planing Mills)
LOCUST—*Spice Run Lumber Co. (Saw Mill)
MILL CREEK—§Lutz D. E. )Saw Mill)
§Wilson Lumber Co. (Saw Mill)
McKENDALL—Steinbeck L. O. Lumber Co. (Saw Mill)
MABEN—*Ritter W. M. Lumber Co. (Saw & Planing Mills)
MIDDLE FORK—*Clay Lumber Co. (Saw Mill)
MORGANTOWN—Athens Lumber Co.
NALLEN—*Wilderness Lbr. Co. (Saw Mill)
OMAR—Peytona Lbr. Co. (Saw & Planing Mills)
OXLEY—*Raleigh Lbr. Co. (Saw & Planing Mills)
PALMER—Imperial Lbr. Co., (Saw Mill)
PARKERSBURG—Citizens' Lumber Co.
*Jackson J. M., Lumber Co.
Parkersburg Mill Co.
PARSONS—Parsons Pulp & Lbr. Co. (Saw & Planing Mills)
PICKENS—Ranwood Lbr. Co. (Saw Mill)
RAINELLE—Meadow River Lbr. Co. (Saw & Planing Mills)
RAYWOOD—*Warn Lumber Corp. (Saw & Planing Mills)
RICHWOOD—Cherry River Boom & Lumber Co.
STARK—*American Column & Lumber Co. (Saw & Planing Mills)
ST. ALBANS—American Column & Lumber Co. (Yellow Pine, Poplar & Hardwoods)
*Bowman Lumber Co.
SWISS—Flynn Lumber Co. (Saw & Planing Mills)
TIOGA—*Birch Valley Lumber Co. (Saw & Planing Mills)
VAUGHAN—West Virginia Timber Co. (Saw & Planing Mills)
WHEELING—§Wilson W. A. & Sons
WAITEVILLE—Virginia Hardwood Lbr. Co. (Saw & Planing Mills)
WINTERBURN—Craig Geo. & Sons. (See Phila., Pa.

## WISCONSIN.

ANTIGO—*Faust Lumber Co. (Saw & Planing Mills)
*Langlade Lumber Co. (Saw & Planing Mills)
§*Wolf River Lumber Co. (Saw & Planing Mills)

WISCONSIN—continued
**APPLETON**—*Fountain J. Lumber Co. (Saw & Shingle Mill)
§Jones G. W. Lumber Co. (Hardwood)
**ASHLAND**—Bell Lumber Co. (Shingle Mill)
*Schroeder John Lumber Co.
§Scott-Taylor Co.
**ATHENS**—*Braun Bros. & Co. (Lumber & Staves)
*Rietbrock Land & Lumber Co.
**ATLANTA—Arpin Hardwood Lumber Co. (Northern Pine, Hemlock, Hardwoods & Cottonwood)**
BAILEYS HARBOR — *Prueter Louis (Shingles)
BARABOO—Stewart & Alexander Lbr. Co.
BAYFIELD—Wachsmuth Lumber Co.
BELOIT—*Beloit Lumber Co.
BERLIN—Allen Lumber Co.
*Wilbur Lumber Co.
BIG FALLS—*Walt Spalding Lumber Co. (Saw & Planing Mills)
BIRCHWOOD—*Ahnopee Veneer & Seating Co. (Saw & Planing Mills)
BIRNAMWOOD—Andrews B. B. (Saw Mill)
BLACKWELL—*Flanner-Steger Land & Lumber Co. (Saw & Planing Mills)
**BLANCHARDVILLE** — Blanchardville Lbr. Co.
BOWLER—Bowler Lumber Co.
BRILLION—Brillion Lumber Co.
BRUCE—*Beldenville Lumber Co. (Hardwood & Veneer)
Namekagon Lbr. Co.
CABLE—Rogan Bros. (Saw Mill)
CARTER—*Miner Bros.
CEDERBURG—*Hilgen Mfg. Co. (Builders' Mill Work)
CHILTON—*Dorschel, Kroehnke, Lbr. Co.
COLEMAN—*Bolles E. E. & Co.
CRANDON—Carpenter Bros. (Saw Mill)
§Keith & Hiles Lumber Co.
CUMBERLAND—*Beaver Dam Lumber Co.
DANCY—Altenberg George H. Lumber Co., (Saw Mill)
DRUMMOND—*Rust-Owen Lumber Co. (Cork, White Pine, Pattern, Box Materials, Beveled Siding & Factory Stock)
DUNBAR—*Girard Lumber Co. (Lumber, Lath, Shingles, Piling, Posts, Ties, etc.
EAU CLAIRE—*Kaiser Jno. H., Lbr. Co. (Lumber, Lath & Shooks)
*New Dells Lumber Co. (Saw & Planing Mills)
*Northwestern Lumber Co. (White Pine & Basswood)
Stevens & Jarvis Lumber Co.
EDGAR—Ringle & Schill (Saw & Planing Mills)
EDGERTON—§Heddles Lumber Co.
ELCHO—Fish Chas. W. Lumber Co.
ELKHORN—*Elkhorn Lumber Co.
ELLSWORTH—Hines Frank, Jr., (Saw Mill)
ELMHURST—*Wunderlich George H.
ELTON—Crocker Chair Co.
FAIRCHILD—*Foster N. C. Lumber Co.
FIFIELD—§Patterson Bros. (Saw & Planing Mills)
**FOND** DU LAC—*Moore & Galloway Lumber Co.
**FORT** ATKINSON — *Zeugner - Hoffman Lumber Co.
GAGEN—Gagen Lumber & Cedar Co.
GOODMAN—Goodman Lumber Co. (Pine, Hemlock, Hardwood, etc)
GRAND RAPIDS—*Arpin Hardwood Lbr. Co. (Plain & Red Birch, Pine & Hemlock, Basswood, Siding, Ceiling & Hardwood Flooring)
*Badger Box & Lumber Co. (Resawed Lumber)
§Arpin John Lumber Co.
*Ellis E. W. Lumber Co. (Saw & Planing Mills)
§Kellogg Bros. Lumber Co.
*Pigeon River Lumber Co.
GREEN BAY—*Cleerman Land & Lumber Co.
*Diamond Lumber Co.
*Northland Lumber Co. (Hard & Soft Lumber, Hemlock Lumber, Lath, Shingles & Posts)
*§Tipler Grossman Lumber Co. (Saw Mill)
Valentine-Clark Co. (Cedar Posts, etc)
*White Lake Lumber Co.
GRESHAM—Aderman Wm.
Morgan O. E. ((Saw Mill)
HARTFORD—*Denison & Coerper
Hatley-Knoke O. C.
HAWKINS—*Ellingson Lumber Co.
HAYWARD—Willow River Lumbe Co. Saw & Planing Mills)
HILES—*Forster-Mueller Lumber Co. (Saw & Planing Mills)
HILLSBORO—Hillsboro Hardwood Lbr. Co.
HORTONVILLE—Diestler Co. (Saw & Planing Mill)
HUDSON—*Central Lumber Co.
INDEPENDENCE — *Sprecher Lumber Co.
IOLA—Wipf J. & Co.
JANESVILLE—*Thoroughgood & Co. (Cigar Box Lumber)
JEFFRIS—*Larson Lumber Co. (Saw & Planing Mills)
KEWAUNEE—*Duvall Co.
KIEL—*Luan J. B.
**KIMBALL—*Kimball-Clark Co. (Hemlock & Hardwood Lumber, White Cedar Shingles, Basswood & Hemlock Lath)**
LAC DE FLAMBEAU—*Flambeau Lumber Co.
LADYSMITH—Flambeau River Lbr. Co.
*§Fountain-Campbell Lumber Co. (Saw & Planing Mills)
LA CROSSE—§Colman C. L. Lumber Co. (Lumber, Shingles & Saw Mills)
*Segelke & Kohlhaus Mfg. Co. (Sash, Doors & Mill Work)
LAFARGE—*Lafarge Lumber Co.
LAONA—Connor Lumber & Land Co. (Saw & Planing Mills)
LOYAL—Christman B. (Saw Mill)
Graves A. A. (Saw Mill)
LUGERVILLE—*West Lumber Co. (Saw & Planing Mills)
McMILLAN—*McMillan B. F. & Bro. (Hemlock, Pine & Hardwood)
MADISON—*Brittingham & Hixon Lumber Co.
Heddles Lbr. Co.
MARCH—*Doud Sons & Co. (Saw & Planing Mills)
MARINETTE—§Bissell Lumber Co. (Saw & Planing Mills)
*Brown-Mitchison Co.
Ludington N. Co. (White & Norway Pine, Lath & Shingles & Saw Mill)
Sawyer Goodman Co. (White Pine, Basswood, Hard & Soft Maple, Birch, Rock & Soft Elm Lath, Shingles & Hemlock)
MARSHFIELD—Connor R. Co.
Krause & Stone (Hardwood & Cottonwood)
*Raddis Lumber & Veener Co. (Saw & Planing Mills)
MATTOON—*White Star Lumber Co. (Hemlock & Cedar), Office: Chicago, Ill.
MEDFORD—*§Medford Lumber Co. (Saw & Planing Mills)
MELLEN—*Foster-Latimer Lumber Co. (Saw & Planing Mill)
Mellen Cedar Co. (Saw Mill)
*Mellen Lumber Co.
MENASHA—*Menasha Woodenware Co. (Saw Mill)
MENOMONIE—§Carter Frank Co. (Saw Mill)
MERRILL—*Anson, Gilkey & Hurd Co. (Lumber, Lath, Shingles & Box Shooks)
*Heineman Lumber Co. (Saw & Planing Mills)
Ollhoff F. W. (Saw Mill)
*Stange A. H. (Saw & Planing Mills)
MILWAUKEE—§Bergland G. A., Matthews bldg
Devere & Schloegel Lumber Co., 606 Park
Forster Lumber Co., 428 E Water
Hilty M. Lumber Co., ft 12th
§Johnson Lumber Co. (White Pine, Pattern, Templet & Flask Stock)
§Landeck Lumber Co. (Hardwoods, Basswood, etc), First National Bank bldg
*Rietbrock Land & Lbr. Co., 700 Cedar
*Schroeder John Lumber Co., ft of Walnut
§Steinman Lumber Co. (Lumber, Lath & Shingles), 385 35th
§Tegge Lumber Co., (Hardwood), 700 Park.
*Wilbur Lumber Co., Pabst bldg
MORRIS—Buckstaff-Sprague Lumber Co.
MOSINEE—Mosinee Land, Log & Timber Co. (Saw Mill, Loggers, etc)
NEGAUNEE—Cleveland Cliffs Iron Co
NEW GLARUS—*New Glarus Lumber Co.
NEW LONDON—*Hatten Lumber Co. (Hardwood)
NORWALK—Walz Geo. A. (Saw Mill)
OCONTO—*Holt Lumber Co. (Saw Mill)
Oconto Co. (Saw & Planing Mills)
***Oconto Lumber Co. (Hemlock)**
ODANAH—*Stearns J. S. Lumber Co. (White Pine)
OGEMA—*Ogema Lumber Co. (Saw & Planing Mills)
Victor Sebelik & Sons (Saw Mill)
OSHKOSH—*Campbell W. J. Lumber Co., Ltd. (Saw Mill)
Central Lumber Co.
Foster-Lothman Mills (Saw & Planing Mills)
Fuller-Goodman Co.
*Gould Mfg. Co. (Wholesale Mfrs. of Mill Works)
*Hemlock Manufacturers ("Old Faithful")
*Hollister Amos & Co. (Saw Mills)
*Kimball Clark Co.
*McMillen R. Co. (Wholesale Mfrs. of Mill Work)
*Morgan Co. (White Pine, Idaho Pine, Basswood, Ash, Elm, Maple, Oak, Hemlock, etc, Shingles, White & Red Cedar & Pine) z
*Morgan Lumber & Cedar Co. (White Pine, Idaho Pine, Ash, Basswood, Elm, Maple, Oak, Hemlock, etc, Shingles, White & Red Cedar & Pine)
Northern Hemlock & Hardwood Mfgs. Assn. (Hardwood & Hemlock)
*Paine Lumber Co. (Ltd.) (Saw Mill & Wholesale Mfrs. of Mill Work)
*Radford & Wright Co. (Wholesale Mfrs. of Mill Work)
§Wagstaff W. J.
*Wall-Spalding Lumber Co. (Wisconsin Hardwoods, Basswood, Hemlock & Cedar Shingles, etc)
Winnecone Lbr. Co.
OWEN—*Owen John S. Lumber Co. (Pine & Hardwood)
PARK FALLS—Blackwell-Kaiser Lumber Co. (Saw & Planing Mills)
*Park Falls Lumber Co.
Roddi's Lumber & Veneer Co. (Saw & Planing Mills)
Winenbago Realty Co. (Shingle Mill)
PARRISH—*Brown Land & Lbr. Co. (Saw & Planing Mills)
PELLA—*Grosskopf Fred. A (Saw Mill)
PESHTIGO—*Constine Carl & Son (Lumber & Cedar)
*Peshtigo Lumber Co. (Saw Mill)
PHELPS — *Hackley-Phelps-Bonnell Co. (Saw & Planing Mills)
PHILLIPS — Kneeland-McClurg Lumber Co. (Hemlock, Hardwood & Cottonwood)
**PLATTEVILLE—*Eastman Lumber Co.**
POLLEY—*Nye Lusk & Hudson (Saw Mill)
POLONIA—Bentley A. P. (Saw & Planing Mills)
RHINELANDER—*Brown Bros. Lumber Co. (Hardwood, Pine & Hemlock Boxing & Crating Lumber)
§*Brown Land & Lumber Co. (Saw & Planing Mills)
*Collins C. C. Lumber Co. (Saw & Planing Mills)
Collins C. C. Lumber Co.
*Crosby C. P. (Ash, Birch, Elm, Hard Maple, Basswood, Oak, Beech, etc)
*Danielson & Pierce (Birch & Basswood)
Lee Bros. (Saw Mill)
*Mason-Donaldson Lumber Co. (Hemlock & Hardwoods)
O'Melia J. H. Lumber Co. (Northern Pine, Spruce, Hemlock, Hardwoods & Shingles)
§Pierce A. S. (White Pine)
*Rhinelander Box & Lumber Co. (Saw and Planing Mills)
*Robbins Lumber Co. (Pine, Lumber, Lath & Shingles)
Stevens Lumber Co. (Saw Mill)
RIB FALLS—*Baeseman G. H. Mfg. Co.
Wausau Lumber Co.
RIB LAKE—Rib Lake Lumber Co.

RICE LAKE — *Rice Lake Lumber Co. (Lumber Mfrs., Pine, Hemlock & Hardwood, Crating & Box Lumber)
RICHLAND CENTER—*Krouskop A. H. (Hardwood Lumber, Basswood, etc)
SAXON—Montreal River Lumber Co. (Saw & Planing Mills)
SCHOFIELD—§*Brooks & Ross Lumber Co. (Pine, Hemlock, Hardwood & Lath, Shingles, Pickets, etc)
SEYMOUR—Miller & Piehl (Saw Mill)
SHAWANO—*Shawano Lumber Co. (Saw Mill)
SHEBOYGAN—Freyberg C. B. Lumber Co. (Lumber & Shingle Mills, etc.)
*Wisconsin Timber & Land Co.
SOLDIERS' GROVE—Peterson A. (Saw & Planing Mill)
SOPERTON — *Menominee Bay Shore Lumber Co. (Saw & Planing Mills)
STANLEY—*Northwestern Lumber Co. (Birch Mouldings, Flooring & Interior Finish, Dry Hemlock Lumber)
STEVENS POINT—*Mitchell Wm. W. (Saw Mill)
*Stevens Point Box & Lbr. Co. (Fox Shooks)
*Week John, Lumber Co.
STILES—*Eldred Anson Co.
STRATFORD—*Connor R. Co.
STURGEON BAY—*Washburn, N. S. Lumber Co.
SUPERIOR—*Rogers-Ruger Lumber Co.
*Superior Box Co. (Saw & Planing Mills)
SURING—Wagner Mercantile & Mfg. Co. (Saw Mill)
TAVERA—Ellsworth M. D. & Co. (Sawmill)
THORP—Boardman E. A. & Sons (Saw Mill)
Bobb Peter E. & Co. (Saw Mill)
§Nye Lusk & Hudson Co. (Pine & Hardwood)
TIGERTON—Badger Lumber Co. (Sawmill)
*Tigerton Lumber Co. (Pine, Hemlock & Hardwood Lumber)
TOMAHAWK—*Bradley Co. ( (Lumber, Lath)
*Mohr Lumber Co. (Saw & Planing Mills)
*Oelhafen John Co. (Saw & Planing Mills)
TONY—Hein John Co. (Saw Mill)
TRIPOLI—*Stolle Lumber & Veneer Co. (Saw & Planing Mills)
WABENO—Jones G. W. Lumber Co. (Saw Mill)
WASHBURN — * Kenfield-Lamoreaux Co. (Crating Lbr.)
WAUSAU—*Curtis & Yale Co. (Hardwood Flooring, Basswood, Ceiling & Siding, Pine Dimensions, Shingles, etc.)
*Fenwood Lumber Co.
Gill-Andrews Lumber Co.
§Goodwillie Bros. (Resawed Lumber)
*Hale Mylrea Co.
Heineman B. L Lumber Co. (Saw & Planing Mills)
Lake Shore Lumber Co. (Saw & Planing Mills)
*Marathan Lbr. Co. (Yellow Pine)
*Mortenson Jacob Lumber Co. (White & Norway)
*Stearns J. S. Lumber Co. (Saw Mill)
Schneider F. H.
*Stewart Alex. Lumber Co. (Lumber, Lath & Shingles)
*Thompson & Fleith Lumber Co.
*Wausau Box & Lumber Co. (Lumber & Box Shooks)
*Wausau Lumber Co. (Saw & Planing Mills)
Wausau Southern Lbr. Co. (Southern Yellow Pine, Cypress)
Wheeler Timlin Lumber Co.
*Wisconsin Box Co. (Pine & Basswood Lbr. & Box Shooks)
*Wisconsin & Arkansas Lumber Co.
*Yawkey Bissell Lumber Co.
WESTBORO—*Westboro Lumber Co.
WHITE LAKE—*Yawkey-Bissell Lumber Co. (Saw & Planing Mills)
WINCHESTER—*Turtle Lake Lumber Co. (Saw & Planing Mills)
WINEGAR—*Vilas County Lumber Co. (Saw & Planing Mills)
WINNECONNE — *Winneconne Lumber Co.

## WYOMING.

HANNA—Wyoming Timber Co. (Saw & Planing Mills)

## 7654—Lumber Mfrs. & Wholesalers (Gum)

Anderson-Tully Co. (Red), Memphis, Tenn.
Askins & Dircks Lumber Co., Union City, Tenn.
Basic Mfg. Co., Wilmington, Del.
Bayou Land & Lumber Co. (Red), 301 Neave bldg, Cincinnati, O.
Bennett & Witte, 222 W 4th, Cincinnati, O.
Bonner J. H. & Sons (Red), Heth, Ark.
Brown Geo. C. & Co. (Red), Memphis, Tenn.
Buffalo Hardwood Lumber Co., 940 Seneca, Buffalo, N. Y.
Carrier Lumber & Mfg. Co. (Red Gum, etc.), Sardis, Miss.
Cincinnati Cigar Box Co. (Gum Lumber Veneered), 2nd & John, Cincinnati, O.
Cleveland Lumber & Mfg. Co., Cleveland, Tenn.
Crenshaw-Gary Lumber Co. (Red), Memphis, Tenn.
Cypress Lumber Co., 88 Broad, Boston, Mass.
Darling J. W. Lumber Co., 2nd Natl. B'k bldg., Cincinnati, O.
Dickson J. W. Co., Memphis, Tenn.
Elias G. & Bro., 965 Elk, Buffalo, N. Y.
Farrin M. B. Lumber Co., Station av & Winton pl, Cincinnati, O.
Faust Bros. Lumber Co. (Red), Jackson, Miss.
Frost-Johnson Lumber Co., Huttig, Ark.
Himmelberger-Harrison Lumber Co. (Red Gum), Morehouse, Mo.
Jones G. W. Lumber Co., Appleton, Wis.
Kraetzer-Cured Lumber Co., Moorhead, Miss.
McLean Hugh Lumber Co., Buffalo, N. Y.
Lamb-Fish Lumber Co., Charleston, Miss.
Miller Lumber Co., 893 Eagle, Buffalo, N. Y.
National Cooperage & Woodenware Co., Peoria, Ill.
O'Reilly Lumber Co., 1937½ N Broadway, St. Louis, Mo.
Paepcke Leicht Lumber Co., 111 W Washington, Chicago, Ill.
Richmond Cedar Works, Fulton, Richmond, Va.
Roper John L. Lumber Co., Norfolk, Va.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Smith-Carothers Lumber Co., Memphis, Tenn.
Standard Hardwood Lumber Co., Buffalo, N. Y.
Stewart I. N., Peoples Bank bldg, Buffalo, N. Y.
Stone T. B. Lumber Co., Dalton & Hopkins, Cincinnati, O.
Taylor & Crate, 2101 Elmwood av, Buffalo, N. Y.
Thomas & Proetz Lumber Co., Hall & Angelrodt, St. Louis, Mo.
Three States Lumber Co., Memphis, Tenn.
Utley-Holloway Saw Mill Co., Inc., Clayton, La.
Werner Louis Saw Mill Co., Fullerton bldg, St. Louis, Mo.
Wheeler J. W. & Co. (Red), Memphis, Tenn.
Wiborg & Hanna Co., Cleveland, O.
Yeager Lumber Co., 932 Elk, Buffalo, N. Y.

## 7655— Lumber (Mahogany)

Astoria Mahogany Co., Inc., 347 Madison av, New York
Basic Mfg. Co., Wilmington, Del.
Hawes, Willard & Co., Lewis & 7th, New York
Palmer & Parker Co., 103 Medford, Boston, Mass.
Thompson Lewis & Co. (Lumber & Veneers), N American bldg, Phila., Pa.

## 7656—Lumber (Pattern & Flask Stock)

Acme Lumber & Shingle Co., 20 W Jackson blvd, Chicago, Ill.
American Lumber & Mfg. Co. (Soft Cork White Pine), Peoples Bank bldg, Pittsburgh, Pa.
Basic Lumber Co., Wilmington, Del.
Bosken Lumber Co. (White Pine), Evans & Erie, Cincinnati, O.
Coale Thomas E. Lumber Co. (Bone Dry Old Growth Michigan Soft Cork White Pine for Immediate Shipment, Water Cured Stock, also genuine Cal. Sugar Pine), Bellevue Court bldg., Pa.
Fisher & Wilson Co. (Mich. Cork White Plain), Rockefeller bldg, Cleveland, O.
Foss E. B. (Dry Cork White Pine), Bay City, Mich.
Johnson Lumber Co., Milwaukee, Wis.
Lansing Lumber Co., 824 N Main, Providence, R. I.
Large Bros. Lumber Co. (White Pine Pattern), N Tonowanda, N. Y.
Martin-Barriss Co., 2048 W 3rd, Cleveland, O.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Thompson Lewis & Co. (Mahogany & Veneers), N American bldg, Phila., Pa.
West Virginia Lumber Co. (Soft Cork White Pine), First National Bank bldg, Pittsburgh, Pa.
White Charles H. & Sons Co., (White Pine & California Red Wood), 18th & Indiana, Phila., Pa.

## 7657 — Lumber (Southern Hardwood)

American Lumber & Mfg. Co., Peoples Bank bldg, Pittsburgh, Pa.
Basic Mfg. Co., Wilmington, Del.
Farrin M. B. Lumber Co. ("Century" Oak Flooring, Poplar Siding, etc), Station av, Winton pl, Cincinnati, O.
Serfas Lumber Co., Drake bldg, Easton, Pa.
Utley-Holloway Saw Mill Co., Inc., Clayton, La.
Wilson & Cochran, Lottie, La.
Wood-Mosaic Co., New Albany, Ind.

## 7657a— Lumber (Spruce)

Acme Lumber & Shingle Co., 20 W Jackson blvd, Chicago, Ill.
Anderson Lumber Corp., Marion, S. C.
Augusta Lumber Co., Augusta, Me.
Babcock Lumber Co., Pittsburgh, Pa.
Barker & Co., 53 State, Boston, Mass.
Bonners Ferry Lumber Co., Bonners Ferry, Idaho
Becker C. L. & D. J. Co., 290 B'way, New York
Berlin Mills Co., Portland, Me.
Canadian-American Lumber Co., Spokane, Wash.
Carpenter W. I. Lumber Co., 504 Lumber Ck, Minneapolis, Minn.
Cherry River Boom & Lumber Co., Land Title bldg, Phila., Pa.
Chinook Lumber & Shingle Co., White bldg, Seattle, Wash.
Connecticut Valley Lumber Co., 147 Milk, Boston, Mass.
Craig Geo. & Sons, Morris bldg, Phila., Pa.
Currier R. B. Co., Springfield, Mass.
David Lester W. Lumber Co., Seattle, Wash.
Dempsey Lumber Co., Johnstown, Pa.
Dutton A. C. Lumber Co., Springfield, Mass.
Emporium Lumber Co., Utica, N. Y.
Grays Harbor Commercial Co., Cosmopolis, Wash.
Hardentine Lumber Co., Camden, N. J.
Hart Wood Lumber Co., Northwestern Bank bldg, Portland, Ore.
Hartmann Neubert Lumber Co., Seattle, Wash.
Herron-Lawton-Parks Co., Henry bldg, Seattle, Wash.
Kay Lumber Co., Franklin Bank bldg, Phila., Pa.
Keith Lumber Co., 2350 Laflin, Chicago, Ill.
Kent J. S. Lumber Co., Harrison bldg, Phila., Pa.
Kleeb Lumber Co., South Bend, Wash.
Maloney J. A. & Co., 16 Beaver, New York
McKee W. I. Lumber Co., Quincy, Ill.
Lampson Lumber Co., New Haven, Conn.
Leidel Lumber Co., St. Louis, Mo.
Lukens Lumber Co., 9th & Girard, Phila., Pa.
Lumber Mfrs. Agency, Centralia, Wash.
National Lumber & Mfg. Co., Hoquiam, Wash.
Oregon-Washington Lumber & Mfg. Co., Henry bldg, Seattle, Wash.
Pacific Export Lumber Co., Chamber of Commerce bldg, Portland, Ore.

LUMBER (SPRUCE)—continued
Parkers L. B., Parkers, N. Y.
Pinkham Lumber Co., Seattle, Wash.
Pioneer Lumber Co., Seattle, Wash.
Pocahontas Lumber Co., Brookville, Pa.
Preston Mill Co., Preston, Wash.
Provincial Lumber Co., 16 Exchange pl, New York
Puget Sound Mills & Timber Co., Post Angeles, Wash.
Richardson A. H. Lumber Co., 176 Federal, Boston, Mass.
Roy E. B. Lumber Co., Seattle, Wash.
Seattle Construction & Dry Dock Co., Seattle, Wash.
Schofield Bros., Penna bldg, Phila., Pa.
Shepard-Trial Co., Seattle, Wash.
Sherman A. Lumber Co., Central Terminal, New York
Sierra Nevada Wood & Lumber Co., San Francisco, Cal.
Siver M. L. & Co., Sidney, N. Y.
Slade S. E. Lumber Co., 112 Market, San Francisco, Cal.
Stack Lumber Co., Masonville, Mich.
St. Croix Paper Co., 244 Washington, Boston, Mass.
Stone & Hershey, 31 Clinton, Newark, N. J.
Talley's Thos. J. Sons, Land Title bldg, Phila., Pa.
Thomson L. & Co., Albany, N. Y.
Transfer Lumber & Shingle Co., N Tonawanda, N. Y.
U. S. Spruce & Lumber Co., Marion, Va.
Waite H. B. Lumber Co., Security bldg, Minneapolis, Minn.
White, Richard P., Albany, N. Y.
Whitmer Wm. & Sons, Inc., Finance bldg, Phila., Pa.
Wollenweber O. Co., White bldg, Seattle, Wash.
Wood E. K. Lumber Co., 112 Market, San Francisco, Cal.
Yellow Pine Co., 16 Beaver, New York

## 7658— Lumber (Templet)

Acme Lumber & Shingle Co., 20 W Jackson blvd, Chicago, Ill.
American Lumber & Mfg. Co., Peoples Bank bldg, Pittsburgh, Pa.
Basic Mfg. Co., Wilmington, Del.
Coale Thomas E. Lumber Co. (White Pine & Basswood Bone Dry Templet Stock Always on Hand) Bellevue Court bldg, Phila., Pa.
Foss E. B., Bay City, Mich.
Johnson Lumber Co., Milwaukee, Wis.
Serfas Lumber Co., Drake bldg, Easton, Pa.

## 7659— Luncheonettes

Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Chicago Flag & Decorating Co., 1345 S. Wabash av, Chicago

## 7660— Lycopodium

Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Lathrop H. R. & Co., 116 Beekman, New York
Lyon-Julian W. (Imp.), 101 Beekman, New York
McKesson & Robbins (Imp.), 91 Fulton, New York
Nat'l Aniline & Chemical Co., Inc., 21 Burling slip, New York
Wiarda John C. & Co. (Imp.), 273 Greene, Brooklyn, N. Y.

## 7661-2— Lye

American Chemical Co., 640 Carr, Cincinnati, O.
Babbitt B. T. (Inc.), (Pure Concentrated), 15 W 34th, New York
Brookman Mfg. Co., 664 N Wells, Chicago, Ill.
Champion Chemical Works, 19 W Austin, Chicago, Ill.
Drackett P. W. & Sons Co., 5020 Spring Grove av, Cincinnati, O
Eagle Lye Works, 28 Erie, Milwaukee, Wis.
Hall E. N., 320 B'way, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mechling Bros. Mfg. Co. (Borax), Camden, N. J.
Myers E. Lye Co., 3d & Clark, St. Louis, Mo.
National Chemical Co. of Cal., 526 Salameda, Los Angeles, Cal.
Penn Chemical Works ("Banner," Powdered & Crushed), 1332 Washington av, Phila., Pa.
Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.
Philadelphia Lye & Chemical Co., 1811 Fitzwater, Phila., Pa.
Schield Wm. Mfg. Co., 619 N 2d, St. Louis, Mo.
Tomson P. C. & Co. ("Red Seal"), 29 Washington, Phila., Pa.
Wander S. & Sons Chemical Co., Albany, N. Y.
Wiarda John C. & Co. (Caustic Lye), 273 Greene, Brooklyn, N. Y

## Macadam Roads

See Contractors, Building & General

## 7663— Machetes

Disston Henry & Sons, Tacony, Phila., Pa.
Webster Lbr. Co., Lumber Exchange, Minneapolis, Minn.

## 7663a— Machine Builders

Central Machine Works, 12th & Tyler, St. Louis, Mo.
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## 7663b—Machine Floor Sanding

**INLAID FLOOR CO.,** 600 Alabama, San Francisco, Cal. & 4067 Watts, Emeryville, Cal.

## 7664—Machine Milling Work

**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*

## 7665—Machine Parts (Finished)

Bonney Vise & Tool Works, Inc. (Laundry), Allentown, Pa.
*See adv index at end of book*
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Myers Willard F. Co. (Automatic), Bedford, Ind.

## 7666—*Machine Parts (Hardened & Ground)

Detroit Screw Works, 348 Franklin, Detroit, Mich.

## 7666a — Machine Products (Automatic)

**BELL CO. (THE)** 1555 Fillmore, Buffalo, N. Y. *See adv index at end of book*
Dundore Mfg. Co., Reading, Pa.

## Machine Screw Work

See Screw Machine Products

## Machine Shop Furniture

See Steel Factory Equipments

## 7666b—*Machine Tool Attachments

Newman Mfg. Co. (for Engine Lathes, Drill Presses, etc), 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
Vonnegut Machy. Co., 43 S Meridian, Indianapolis, Ind.

## 7667— Machine Tools

For Manufacturers of Machine Tools see the specific article; for Dealers, see Machinists' Tools & Supplies; also Machinery Dealers.
Acme Tool & Die Co., Syracuse, N. Y.
Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*

**BETTS**
**Heavy Duty Machine Tools**
Known the world over for reliability, accuracy and production.
**BETTS MACHINE COMPANY**
**420 Blossom Road, Rochester, N. Y.**

Brady F. A. ("Fabrady"), 30 Church, New York
Brown & Zortman Machy Co., Union Arcade, Pittsburgh, Pa.
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Columbia Machine Tool Co., Hamilton, O.
Elyria Machine Co., Elyria, O.
Fenton Mach Tool & Die Co., Fenton, Mich.
Greene L. A., First Nat'l Bank bldg, Pittsburgh, Pa.
Hamilton Machine Tool Co., Hamilton, O.
Hisey-Wolf Mach. Co., Cincinnati, O.
International Mach. Tool Co., Indianapolis, Ind.
Jones Machine Tool Co. (Jobbers), 435 E Pearl, Cincinnati, Ohio
Kinsey E. A. Co., 331 W 4th, Cincinnati, Ohio
Lees-Bradner Co., 6210 Carnegie av., S. E. Cleveland, O.
Luster Machinery Co., 917 Arch, Phila., Pa.
Lynd Farquhar Co., 419 Atlantic av, Boston, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Michigan Machine Co., 85 Porter, Detroit, Mich.
Midwest Mfg. Co., 1520 N 13th St. Louis, Mo.
Moak Machine & Tool Co., Port Huron, Mich.
Morris Machine Tool Co., Court & Harriet, Cincinnati, O.
Myers Machine Tool Co., Columbia, Pa.
*See adv index at end of book*
Mulliner-Enlund Tool Co., Syracuse, N. Y.
Reliance Machinery Sales Co., Brighton rd & Pennsylvania av, Pittsburgh, Pa.
Special Tool & Eng. Mfg. Co., 310 E 2nd, Dayton, O.
U. S. Mach. Tool Co., Cincinnati, O.
Vonnegut Machy. Co., 43 S Meridian, Indianapolis, Ind.
**WALRAVEN CO., THE,** 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
Whipp Machine Tool Co. (Shapers), Sidney, Ohio

## 7668 — Machine Work (Automatic)

Cassady-Fairbanks Mfg. Co., 6126 La Salle, Chicago, Ill.

## 7669—*Machine Work (For Automobiles)

Detroit Screw Works, 348 Franklin, Detroit, Mich.

## 7670—Machine Work (General Contract)

Colburn Gear & Mfg. Co., Inc., 85 Purchase, Boston, Mass.
*See adv index at end of book*
Hanson Clutch & Machine Co., Tiffin, O.
*See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W. 44th, New York
*See adv index at end of book*
Lough Bros., 90 West, New York
McCulloch A. P. Machine Co., 216 High, Boston, Mass.
Penn Seaboard Steel Corp., Franklin Bank bldg, Philadelphia, Pa.
*See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
Up-To-Date Tool Co., 81 Wareham, Boston, Mass. *See adv index at end of book*

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**HENDEY MACHINE CO., Lathes, Shapers.**
**BULLARD MACHINE TOOL CO., Boring Mills and Vertical Turret Lathes.**
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### Machinery

For Dealers in Machinery, see Machinery Dealers; also Machinists' Tools & Supplies.

Note.—For various kinds of Machinery Manufacturers see sub-classifications of this head following in their regular alphabetical order. See also Drills of various kinds; Lathes of various kinds; also Planers, various kinds; also Sugar Machinery; also Textile Machinery,, etc.; also Compressors, Air; also Blowers; also Conveyors; also Cranes; also Dynamos & Motors; also Elevators; also Engines; also Locomotives; also Presses of various kinds; also Pumps; also Road Rollers of various kinds. For page numbers, see Index of Contents.

See also Machinists & Founders

### Abattoir Machinery

See Packing House Machinery; also Slaughter House Machinery

### 7671— Abrading Machines

Clark & Mills Electric Co. (For Testing Road Making Materials), Cambridge, Mass.
International Instrument Co., 23 Church, Cambridge, Mass.

### 7672—Abrasive Metal Cutting Machines

Greenfield Tap & Die Corp'n. ("Nutter & Barnes"), Greenfield, Mass.
*See adv index at end of book*
Peter Bros. Mfg. Co., Algonquin, Ill.
Slack Mfg. Co., Springfield, Vt.

### 7673—Acid Cleaning Machines

Torrington Mfg. Co., Torrington, Conn.

### 7674— Adding Machines

See also Calculating Machines; also Typewriters, Adding & Billing

Adder Machine Co. ("Wales" Visible Listing & Adding), Wilkes-Barre, Pa.
American Adding Machine Co., Mills bldg, San Francisco, Cal.
**AMERICAN CAN CO.** ("American" Non-Listing), 120 Broadway, New York
*See adv index at end of book*
Arithstyle Co., 35 W 39th, New York
Austin Adding Mach. Co., 297 Lincoln av, Balto., Md.
Automatic Adding Machine Co. ("Gem" Automatic), 148 Duane, New York
Automatic Bookkeeping Register Co., S Mo.
Barrett Adding Machine Co. (Portable), Bulletin bldg, Phila., Pa.
Burroughs Adding Machine Co., 2nd& Burroughs av, Detroit, Mich.
Cash Mercantile Co., 326 Market, San Francisco, Cal.
Cluley Multiplier Co., Green Bay, Wis.
Commonwealth Adding Mach. Co., Muskegon, Mich.
Comptograph Co., 33 S La Salle, Chicago, Ill.
Dalton Adding Machine Co. ("Dalton"), Norwood, Cincinnati, Ohio
Denominator Adding Mach. Co., 199 Cook, Brooklyn, N. Y.
Duco Adding Mach. Co., St. Louis, Mo.
Elliott-Fisher Co., Monadnock bldg, San Francisco, Cal.
Ellis Adding Typewriter, 338 Elizabeth av, Newark, N. J.
Ensign Mfg. Co. (Electric), 19 Brook, Fanueili, Boston, Mass.
Federal Adding Machine Corp. ("Federal"), York & Grove, New Haven, Conn.
Felt & Tarrant Mfg. Co., (Comptometers, Adding, Billing), 1717 N Paulina, Chicago, Ill.
Gancher Abraham T. (Desk), 148 Duane, New York
Greist Mfg. Co., New Haven, Conn.
Hainer Bookkeeping Machine Co. ("Providence"), 45 Willard av, Providence, R. I.
International Money Machine Co., Terre Haute, Ind.
**KNICKERBOCKER CASE CO.**, Fulton & Clinton, Chicago, Ill.
*See adv index at end of book*
Mechanical Accountant Co., 17 Warren, Providence, R. I.
Monroe Calculating Machine Co., So. Orange, N. J.
Montague Mailing Mach. Co., Chattanooga, Tenn.
Morschhauser, W. A. ("Millionaire), 1 Madison av, New York
Morse Adding Machine Co., 18 N Ada, Chicago, Ill.
Muller Oscar Co. ("Tim," "Unitas," Imp), 32 Broadway, New York
Reuter Carl H. ("Brunsviga" & "Burkhard"), Land Title bldg, Phila, Pa.
Shonk Chas. W. Co., Maywood, Ill.
Standard Adding Machine Co., Forest Park bldg & Spring av, St. Louis, Mo.
Sundstrand Adding Machine Co., Rockford, Ill.
Tabulating Machine Co., 50 Broad, New York
Teetors Adding Mach. Co., Des Moines, Ia.
Triumph Adding Machine Co., 78 Smith, Brooklyn, N. Y.
U. S. Adding Machine Co., 101 Park av, New York.
Wahl Co., 1800 Roscoe, Chicago, Ill.
Wales Adder Mach. Co., Wilkes-Barre, Pa.

### 7675—Addressing & Mailing Machines

Addressing Machine Co. (Machines for Addressing Tags), Buffalo, N. Y.
Addressograph Co., 901 W Van Buren, Chicago, Ill.
Belknap Addressing Mach. Co., 46 W 23d, New York
Challenge Machinery Co. ("Mercantile"), Grand Haven, Mich.
Elliott Addressing Machine Co. (Addressing), 539 Market, San Francisco, Cal.
Elliott Co., 143 Albany, Cambridge, Mass.
Evans Devices Corp. Addressing Machines, 745 Main, Buffalo, N. Y.
New Writerpress Co., Shelton, Conn.
Pollard-Alling Mfg Co., 312 E 23d, New York
Rapid Addressing Machine Co., 46 W 23d, New York.
Stickney & Montague ("Montague" Ribbon Print), Chattanooga, Tenn.
Wallace Addressing Machine Co., 116 W 14th, New York.
Wing's Chauncey Sons ("Wing-Horton", "New Wing"), (Aluminum), Greenfield, Mass.

### 7676—Aeroplane Machy. & Equipment

Custer Specialty Co. (Custer Ameroids & Statoscopes), 28 N Ludlow, Dayton, O.
Dalton Machine Co., 1911 Park av, New York
Defiance Machine Wks., Defiance, O.
Fox Machine Co., Jackson, Mich.
Grand Rapids Veneer Wks., Grand Rapids, Mich.
Lansing Stamping & Tool Co., Lansing, Mich.
Mattison C. Machine Wks., Rockford, Ill.
Pryibil Machine Co., 520 W 41st, New York

### 7676a—Air Drying Machinery

Groton Electrical Devices, Inc. (For Hand Drying), Groton, N. Y.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Waldron Jno. Co., New Brunswick, N. J.

### 7677— Alfalfa Machinery

Howes S. Co. (Packers & Dust Collectors), Silver Creek, N. Y.
Huntley Mfg Co. ("Monitor" Packers & Dust Collectors, Silver Creek, N. Y.

### 7678—Aluminum Rolling Mill Machinery

Farrel Foundry & Machine Co., Ansonia, Conn.
Garrison A. Foundry Co., 901 Bingham Pittsburgh, Pa.

### 7679—Amatite Paper Machines

Haberkamp, Wm. Machine Works, 442 Wells, Chicago, Ill.

### 7679a—Angle Bending Machines

Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.

### 7680—Angle Iron Cutting Machines (Hand Power)

Braun J. G., 609 S Paulina, Chicago, Ill.
Buffalo Forge Co., Buffalo, N. Y.
Hinman D. A. & Co., Sandwich, Ill.
Kidder J. F. Mfg. Co., Burlington, Vt.
Lewthwaite, T. H. Machine Co., 411 E 31st, New York
Schatz Mfg. Co., Poughkeepsie, N. Y.

### 7681—Angle Straightening Machines

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Gibbs-Brower Co. (Elliott), 261 Broadway, New York
Kane & Roach, Syracuse, N. Y.
United Engineering & Foundry Co. (For Rolling Mills), Keenan bldg, Pittsburgh, Pa.
Youngstown Foundry & Machine Co., Youngstown, O.

## 7682—Angular & Ratchet Drilling Machines

See also Drills, Hand

Millers Falls Co. (Hand), 28 Warren, New York

## Annealing Machines

See Heating Machines; also Furnaces, Annealing & Case Hardening

## 7683—Apple Butter Machinery

Sprague Canning Machinery Co. (Hand & Power), 222 N Wabash av, Chicago, Ill.

## 7684—Apple Evaporating Machinery

Boutell Mfg. Co., Rochester, N. Y.

## 7685—Apple Grating Machines

**DUNNING & BOSCHERT PRESS CO., INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*

Hamilton Metal Products Co., Hamilton, Ohio

Hydraulic Press Mfg. Co., Mount Gilead, O.
*See adv index at end of book*

Kelso & Co., 559 W Quincy, Chicago, Ill.

Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 7686—Apple Paring Machines

Boutell Mfg. Co. ("Rival," "Triumph," Hand & Power), Rochester, N. Y.

Premier Machinery Co., Oakland, Cal.

**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**

Sinclair Scott Co., Wells & Patapsco, Baltimore, Md.

Sprague Canning Machinery Co. (For Canners, Hand & Power), 222 N Wabash av, Chicago, Ill.

## 7687—Apple Quartering Machines

Boutell Mfg. Co. ("Pease"), Rochester, N.Y.

Forsyth Metal Goods Co. (& Corer), E. Aurora, N. Y.

## 7688—Apple Slicing Machinery

Boutell Mfg. Co. ("Pease," "Rotary," "Rochester" Self Feed, "Perfect" Self Feed & "Sun" Hand), Rochester, N. Y.

## 7689—Armature Banding Machines

Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic av, & Chestnut, Brooklyn, N. Y.

Electric Service Supplies Co., 17th & Cambria, Phila., Pa.

Ridlon Frank Co., 251 A, Boston, Mass.

## 7690—Armature Coil Taping Machines

Chattanooga Armature Works, Chattanooga, Tenn.

Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic av & Chestnut, Brooklyn, N. Y.

Electrical Mfrs. Equipment Co. ("Segur"), 712 Postal Telegraph bldg, Chicago, Ill. *See adv index at end of book*

Griswold Geo. M. Machine Co., New Haven, Conn.

Oliver Electric & Mfg. Co. ("Precision"), 4221 Forest Pk., St. Louis, Mo.

## 7691-2—Armature Disc Notching Machines

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

Ferracute Mach. Co., Bridgeton, N. J.

Long & Allstater Co., Hamilton, O.

## 7693—Armature Straightening Machines

Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic av, & Chestnut, Brooklyn, N. Y.

Kane & Roach, Syracuse, N. Y.

## 7694—Armature & Field Coil Winding Machines

Chapman P. E. ("Universal"), 10th & Walnut, St. Louis, Mo.

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.

Coto Coil Co., 1655 Auburn av, Providence, R. I.

Electrical Mfrs. Equipment Co. ("Segur," Winder & Spreader), 712 Postal Telegraph bldg, Chicago, Ill.
*See adv index at end of book*

General Railway Supply Co., Rochester, N. Y.

Oliver Electric & Mfg. Co. ("Precision"), 4221 Forest Pk., St. Louis, Mo.

Universal Winding Co., Providence, R. I.

## 7695—Armor Plate Cold Saw Cutting Machines

Newton Machine Tool Works, 23 Vine, Phila., Pa.

## Artesian Well Machinery

See Well Drilling Machinery

## 7696—Artificial Leather Making Machinery

Waldron Jno. Co., New Brunswick, N. J.

## 7697—Asbestos Compound Mixing Machines.

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.

Cummer F. D. & Son Co., Superior Arcade, Cleveland, Ohio
*See adv index at end of book*

## Ash Handling Machinery

See Conveyors, Coal & Ash; also Coal & Ore Handling Machinery; also Coal Storage Plant Construction

## Asphalt Machinery

See Asphalt Plant Builders; also Mixers, Asphalt; also Heaters, Asphalt, Pitch & Tar.

## 7698—Assembling Machines (Wheel)

Defiance Machine Works (Auto & Auto Truck Wheels), Defiance, O.

## 7699—Auger Brick Machines

**American Clay Machinery Co., S. Walnut,** Bucyrus, O. *See adv index at end of book*

Bonnot Co., Canton, O.

Chambers Bros. Co., 52d below Lancaster av, Phila., Pa.

Freese E. M. & Co., Galion, O.

Steele J. C. & Sons, Statesville, N. C.

## 7700—Auger Brick Machines & Pug Mill Combined

**American Clay Machinery Co., S. Walnut,** Bucyrus, O. *See adv index at end of book*

## 7701— Auger Clot Machines

**American Clay Machinery Co. (For Roofing Tile), S Walnut, Bucyrus, O.**
*See adv index at end of book*

## 7701a—*Automatic Machinery (Designers & Mfrs.)

**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*

## 7702 — Automatic Packaging Machines

Anderson E. D., Inc., 101 Park av, New York

Illinois Glass Co. ("Diamond I"), 402 W Randolph, Alton, Ill.

**Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich.**

**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*

Package Machinery Co., Springfield, Mass.

Peters Machinery Co., 209 So. La Salle, Chicago, Ill.

Pneumatic Scale Corp. (Ltd.), Norfolk Downs, Mass.

Premier Machinery Co., Oakland, Cal.

**Standard Automatic Machine Co., Rochester, N. Y.**

## 7703—Automatic Turret Machines

Brown & Sharpe Mfg. Co., Providence, R. I.

Cleveland Automatic Machine Co., 2269 E 65th, Cleveland, O.

National Acme Co. ("Gridley"), 7500 Stanton av, S C, Cleveland, O.

New Britain Machine Co. ("New Britain" Multiple Spindle), 190 Chestnut, New Britain, Conn.

Turner Machine Co. ("Turner Turret," Semi-Automatic, Vertical), Danbury, Conn.

## 7704—*Automobile, Bicycle, Sewing Machine & Typewriter Machinery

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*


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## 7705—*Automobile Parts Machinery (Drop Forged & Sheet Metal)

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 7706—Automobile Wheel Machinery

Kane & Roach, Syracuse, N. Y.

## Axe Handle Machinery

See Lathes, Handle Turning

## 7707—Axle Cutting-Off & Centering Machines

Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*

## Axle Straightening Machines

See Shaft Straightening Machines

## 7708—Axle Upsetting Machines

Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.

## 7709—Axle Welding & Upsetting Machines

Champion Blower & Forge Co. ("Champion" for Axles & Tires), Lancaster, Pa.
Kane & Roach, Syracuse, N. Y.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 7710— Badge Pin Machinery

Baird Machine Co., Bridgeport, Conn.

## 7711— Bag Closing Machines

Union Special Machine Co., 400 N Franklin, Chicago, Ill.

## 7712— Bag Filling Machines

See also Packing Machines

Bates Valve Bag Co., 1310 S Chicago av, Chicago, Ill.
Brown Bag Filling Machine Co. (For Filling & Sealing Flat Paper Bags), Fitchburg, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co. (For Fertilizer), Woodbery Sta., Baltimore, Md.
Richardson Scale Co. ("Richardson," Stationary & Portable), Passaic, N. J.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sawyer W. H. & Sons Co. ("Sawyer-Fulford"), Americus, Ga.
Schaffer Engineering & Equipment Co. The (Poidometer Attachment), Peoples Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*
Valve Bag Co. of America (Lime), 3431 Summit av., Toledo, O.
*See adv index at end of book*
Wolf Co., Chambersburg, Pa.

## 7713—Bag Making Machinery

See also Looms Bag

Bickett Machine & Mfg. Co., Cincinnati, O.
Brown Bag Filling Machine Co., Fitchburg, Mass.
Charleston Dry Dock & Machine Co.
Smith & Winchester Mfg. Co., South Windham, Conn.
Vierengel Matthew (Cement), 32 S 6th Brooklyn, N. Y.

## 7714—Bag Printing Machinery

Bickett Machine & Mfg. Co., Cincinnati O.
Cottrell C. B. & Sons Co., New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Kidder Press Co. (Cloth & Paper), Dover, N. H.
Koehler Hy. L. Mfg. Co., Louisville, Ky
Osterlind Printing Press & Mfg. Co., St. Paul, Minn.

## 7714a—Bag Washing Machines

Century Cement Machine Co. ("Hercules" Cement Bag Cleaning Machines), Rochester, N. Y.

## 7714b—Bakelite Products Moulding Machine

**BURROUGHS CHARLES COMPANY**, Newark, N. J.
*See adv index at end of book*

## 7715— Bakers' Machinery

See also Confectioners' Machinery

American Bakers' Machinery Co. (Dough Dividers, Mixing & Moulding), 2121 N 9th, St. Louis, Mo.
**AMERICAN CLAY MACHINERY CO.**, So. Walnut, Bucyrus, Ohio
*See adv index at end of book*


**Bakery Machinery**

**Dough Mixers, Troughs, Rotary Ovens, Etc.**

**The American Clay Machinery Co.**
**Bucyrus, O., U. S. A.**


Baker's Sons J. & Perkins Co., Inc. ("Bucket" Type Proofer & "Monarch" Proofer), White Plains, N. Y.
Bakers Joseph, Ltd. (Imp.), 233 B'way, New York
Baum & Schoel, Waterloo, Ia.
Bickett Machine & Mfg. Co., Cincinnati, O.
Century Machine Co., Oakley, Cincinnati, Ohio
Century Machine Co., Winton pl, Cincinnati, O.
Day J. H. Co. (Wire Cake Cutting Machines, etc), Cincinnati, O.
Dutchess Tool Co., Fishkill-on-Hudson, N. Y.
East Iron & Machine Co., 351 E Market, Lima, O.
**FURMAN-FISHER CORP.**, 32 Church, New York *See adv index at end of book*
Getz M. & Co., 162 1st, San Francisco, Cal.
Green Thos. L. & Co. (Biscuit Plant Equipment Exclusively), Indianapolis, Ind.
Harton Pembroke D. (Icing Machines, etc.), Lawrence & Leigh, Phila., Pa.
Haysen Mfg. Co., Sheboygan, Wis.
Mills Thos. & Bro., Thompson & 8th, Phila., Pa.
Peerless Bread Machine Co., Sidney, Ohio
Peters Machinery Co., 209 So. La Salle, Chicago, Ill.
Read Machinery Co., York, Pa.
Rockwell L. A. Co., 430 Smith, Brooklyn, N. Y.
Thomson Machine Co., Belleville, N. J.
Triumph Mfg. Co., Cincinnati, Ohio

## 7716—Balancing Machinery (Pulley)

Carlson-Wenstrom Co. ("Carwen" Dynamic Balancing), Erie av & Richmond, Phila., Pa.
Defiance Machine Works, Defiance, O.

## 7717—Balancing Machines (Knife)

American Wood Working Machinery Co. 347 Madison av, New York
Baldwin, Tuthill & Bolton, Grand Rapids Mich.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co. 1929-33 N Broadway, St. Louis, Mo.
*See adv index at end of book*
Yates P. B. Machine Co., Beloit, Wis.

## 7718— Bale Tie Machines

Collins Plow Co. (Hand), Quincy, Ill.
Dain Mfg. Co., Ottumwa, Ia.
Des Moines Bale Tie Co., Des Moines, Ia.
Ertel Geo. Co., Quincy, Ill.
Kansas City Hay Press Co., Kansas City, Mo.
Oram John S Co. (Punch, Shear & Riveter), 1316 E 53d, Cleveland, O.
Sandwich Mfg. Co., Sandwich, Ill.
Scott Hay Press Co., 1300 W 13th, Kansas City, Mo.

## 7719—Ball Turning Machines

American Tool & Machine Co., 10 High, Boston, Mass.

## 7720—Band Re-Sawing Machines

See also Band Sawing Machines

Allis-Chalmers Mfg. Co. (Horizontal & Vertical), Milwaukee, Wis.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Filer & Stowell Co., Milwaukee, Wis.
Fischer Machine Works, 1845 Carroll av, Chicago, Ill.
Garland M. Co., Bay City, Mich.
Hall & Brown Woodworking Machine Co., 1929-33 N Broadway, St. Louis, Mo.
*See adv index at end of book*
McDonough Mfg. Co., Eau Claire, Wis.
Mereen-Johnson Machine Co. (Vertical & Horizontal Slab), 4400 Lyndale av N, Minneapolis, Minn.
Mershon W. B. & Co., Saginaw, Mich.
Oliver Machinery Co., Grand Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

## 7721—Band Saw Filing & Setting Machines

See also Specific Article Required

Ambler Saw Mfg. Co., Natick, Mass.
American Wood Working Machinery Co. ("Rogers," "Clement"), Rochester, N. Y.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Black Diamond Saw & Machine Works ("Only"), Natick, Mass.
Covel Mfg. Co., Benton Harbor, Mich.
Defiance Machine Works, Defiance, O.
Disston Henry & Sons (Revolving), Tacony, Phila., Pa.
Hanchett Swage Works ("Hanchett" Automatic), Big Rapids, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
New Britain Machine Co. ("Equal Blow"), 190 Chestnut, New Britain, Conn.
Wellman Products Co. ("Foley"), 1444 E 49th, Cleveland, O.

## 7722—Band Saw Patch Machines

Baldwin, Tuthill & Bolton ("Bolton"), Grand Rapids, Mich.

## Band Saw Setting Machines

See Band Saw Filing & Setting Machines; also Saw Filing & Setting Machines; also Saw Sharpening Machines

## Band Saw Sharpening Machines

See Saw Sharpening Machines

## 7723—Band Sawing Machines for Metal

Napier Saw Wks., Inc. ("Napier"), 40 Napier, Springfield, Mass.
Newton Machine Tool Works, 23d & Vine, Phila., Pa.
Ryerson Joseph T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Thompson H. G. & Son Co. ("Eureka"), New Haven, Conn.
Williamson H. C., 321 N Crawford av, Chicago, Ill.

## 7724—Band Sawing Machines for Wood

See also Band Re-Sawing Machines

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Sawmill Machinery Co., Hackettstown, N. J.
American Woodwkg. Machy Co., Rochester, N. Y.
Baker Wm. H. (Hand Power), Trenton, N. J.
Clark Bros. Co., Olean, N. Y.
Colladay Jos. O. Co., 626 Race, Phila., Pa.
Cordesman-Rechtin Co. (Scroll, etc.), Butler, Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Defiance Machine Works, Defiance, O.
Fay J. & A. Egan Co., Cincinnati, O.
Fischer Machine Works (Band, Segment & Slab Re-Saws, etc.), 1845 Carroll av, Chicago, Ill.

BAND SAWING MACHINES FOR WOOD —Continued

Gardner Machine Works, Gardner, Mass.
Garland M. Co., Bay City, Mich.
Gee Chas. E. ("Gee"), Lowell, Mass.
**HALL & BROWN WOODWORKING MACHINE CO.,** 1929-33 N Broadway, St. Louis, Mo. *See adv index at end of book*
Jones Superior Machine Co. ("Superior"), 1264 W North av, Chicago, Ill.
Kane & Roach, Syracuse, N. Y.
Kennedy Ralph M., 117 N 7th, Phila., Pa.
McDonough Mfg. Co., Eau Claire, Wis.
Mershon W. B. & Co., Saginaw, Mich.
Newman Machine Co., Greensboro, N. C.
Oliver Machinery Co., Grand Rapids, Mich.
Parks Ball Bearing Machine Co., Knowlton & Fergus, Cincinnati, O.
Power L. & Co., 20 S 23d, Phila., Pa.
Root B. M. Co., York, Pa.
Silver Mfg. Co. ("Silver" Foot & Power), 256 Salem, O.
Smith H. B. Machine Co., Smithville, N. J.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
West Side Iron Works, Grand Rapids Mich.
Wysong & Miles Co., Greensboro, N. C.
Yates P. B. Machine Co., Beloit, Wis.

## 7725—Band Sprue Sawing Machines

Brass Founders Supply Co. (For Brass Founders), Wilson av, Newark, N. J. N. J.

## 7726—Band & Rip Saw, Boring & Spoke Tenoning Machines (Combined)

Parks Ball Bearing Machine Co., Knowlton & Fergus, Cincinnati, O.

## 7727—Bandage (Surgeon's) Cutting Machines

Cameron Mach. Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*

## 7727a—Bar Bending Machines

Electrical Mfrs. Equipment Co. ("Segur" Copper), 712 Postal Telegraph bldg, Chicago, Ill. *See adv index at end of book*
Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.

## 7727b—Bar Cutting Machines

Wallace Supplies Mfg. Co. 416 Orleans, Chicago, Ill.

## Bar Drawing Machines

See Rod & Bar Drawing Machines

## Bar Iron Cutting Machines

See Cutters, Iron, Bar & Rod

## 7728— Bar Pointing Machines

Brightman Mfg. Co., Columbus, O.
Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

## 7729—Bar Twisting Machines

(For Concrete Reinforcing Bars)

Lewis Foundry & Machine Co., Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. Works: Homestead, Pa. *See adv index at end of book*
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.

## 7730—Bark Cutting Machines

Abbe Engineering Co., 216-224 Broadway, New York *See adv index at end of book*
Turner Tanning Machinery Co. ("Turner" for Tanneries), Peabody, Mass.

## 7731— Barley Machinery

**BARTLETT C. O. & SNOW CO. (Pearled),** Fall st., Cleveland, O. *See adv index at end of book*
Howes S. Co. ("Eureka" Cleaners, Graders, Scourers, Polishers & Clippers), Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Graders, Scourers, Polishers, Clippers), Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Wolf Co., Chambersburg, Pa.

## 7731a—*Barley Pearling Machinery

Bartlett C. O. & Snow Co., Fall st., Cleveland, Ohio. *See adv index at end of book*

## 7732—Barrel Hoop Driving Machines

Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*
Naughton & Weimar, 1900 E Westmoreland, Philadelphia, Pa.
Oram John S. Co. ("Oram's"), 1316 E 53d, Cleveland, Ohio
Strait H. N. Mfg. Co., Kansas City, Kansas

## Barrel Hoop Machinery

See Hoop Machinery

## 7733—Barrel, Keg, Stave & Heading Machinery

See Also Specific Article Required

Acme Barrel Co., 2235 W Grand av, Chicago, Ill.
Atkins E. C. & Co., Indianapolis, Ind.
Bartlett A. F. & Co., Saginaw, Mich.
Benson A. M. & Co., Cleveland, O.
Chapman's T. M. Sons Co., Old Town, Me.
Clough & Witt Machine Co. (Slack Barrel & Keg only), 1740 Columbus rd, Cleveland, O.
Eureka Machine Co. (Coating Sprays, etc.), Cleveland, O.
Dix Chas. B., Glens Falls, N. Y.
Garlach Peter Co. (For Kegs, Pails, Tubs & Slack & Tight Barrels, Crockery Casks & Tobacco Hogsheads), 1712 Winter, Cleveland, O.
Garland M. Co. (Stave & Heading Only), Bay City, Mich.
Goodspeed Machine Co. (Cylinder Stave Saws for Pail, Keg, Barrel, Tub, etc), Winchendon, Mass.
Holmes E. & B. Machinery Co., Buffalo, N. Y.
Lenker F. K. & Co. (Nail Keg.), Millersburg, Pa.
Mitts & Merrill, Saginaw, Mich.
Oram Jno. S. Co., 1316 E 53d, Cleveland, O.
Perkins & Co. ("Columbia" Heading Machines, etc), Grand Rapids, Mich.
Reed L. M. (Stave, Crozier, Setting-Up Machines & Headers, etc), Cleveland, Ohio
Rochester Barrel Machine Works (Slack Barrel, etc), Rochester, N. Y.
Stamm Machine Works (Stave Rejointers, etc), Aurora, Ind.
Strait H. N. Mfg. Co., Kansas City, Kansas
Strange Chas. E., Taunton, Mass.
Trevor Mfg. Co. (Headings, Staves, etc), Lockport, N. Y.
Wheland Co. ("Standard" Stave Jointer for Slack Barrels; also Stave Bolt Equalizers, Stave Bolters, etc), Chattanooga, Tenn.

## 7734—Barrel Leveling Machines

Johnson T. Co. ("Champion"), 108 S La Salle, Chicago, Ill.
Oram Jno. S. Co., 1316 E 53d, Cleveland, O.

## 7735—Barrel Trussing Machines

Holmes E. & B. Machinery Co. (Upright Double End), Buffalo, N. Y.
Oram John S. Co., 1316 E 53d, Cleveland, O.

## 7736—Barrel Washing Machines

See also Keg Scrubbing Machines

Aue Ferdinand Co. ("Muller"), 401 E 91st, New York
Baer A. S. & Son ("Baer," Automatic, Imported), 106 Wall, New York
Cleveland Brewers' Supply Co., 1506 W 25th, Cleveland, O.
Naughton & Weiner, 1900 E Westmoreland, Phila., Pa.
Olsen & Tilgner Mfg. Co., 2280 Elston av, Chicago, Ill.
Schock Gustav & Son, 514 W 57th, New York
Zoller Chas. Co., 211 E 94th, New York
Zunner Machine Co., Rochester, N. Y.

## 7737— Basket Machinery

Horton Machine Works, Elmira, N. Y.
Merritt Mfg. Co., Lockport, N. Y.
Parsons Specialty & Machine Works (Fruit & Berry), 2427 No. 4th, Phila., Pa.
St. Joseph Iron Works (Also Package), St. Joseph, Mich.
Saranac Machine Co., Benton Harbor, Mich.
Titus E. E. (Automatic Power Quart Basket Stapling Machine), Petersburg, Va.

## Beading Machines

See Crimping & Beading Machines

## 7738—Beading Machines (Eave Trough, Cornice, Etc.)

Canton Foundry & Machine Co. ("Universal"), Canton, O.

## 7739—Beam Coping Machines

Hilles & Jones Co. E., Wilmington, Del. *See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Rose, Pittsburgh, Pa. *See adv index at end of book*
Wickes Bros., Saginaw, Mich.

## 7740—Beam Straightening Machines

Mackintosh, Hemphill Co., ft. of 12th, Pittsburgh, Pa.

## 7741-2—Beef & Bacon Slicing Machines

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 7743—Beet Sugar Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Tool & Machine Co. ("Weston" Centrifugals, Centrifugal Sprayers & Dischargers), 10 High, Boston, Mass.
Bartlett-Hayward Co., Scott & McHenry, Baltimore, Md.
Chain Belt Co., Milwaukee, Wis.
Dyer Co., 2031 Euclid av, Cleveland, O.
**FABRICATED STEEL PRODUCTS CORPORTATION,** Box 505, Leetonia, O. *See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Joubert & Goslin Mach. & Fdry. Co. (Refining), Birmingham, Ala.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry., Philadelphia, Pa. *See adv index at end of book*
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Moline Plow Co. ("Moline"), Moline, Ill.
Stearns-Roger Mfg. Co., Denver, Colo.
Sugar Machinery Co., Higgins bldg, Los Angeles, Cal.

## 7743a—*Beet Sugar Conveying Machinery

**JEFFREY MFG. CO., 961 No. Fourth, Columbus, O.** *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Philadelphia, Pa. *See adv index at end of book*

## 7744—Beet Washing & Slicing Machines

Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Stearns-Roger Mfg. Co., Denver, Colo.

## 7745— Beetle Machines

Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

## 7746—Belt Chopping Machines

Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

## 7747—Belt Cutting Machines

Luther C. A. & Co., Pawtucket, R. I.

### 7748—Belt Finishing Machines

Newark Leather Machinery Co., Inc., 153 Frelinghuysen av, Newark, N. J.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

### 7749—Belt Folding Machines

Birmingham Iron Foundry, Derby, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.

### 7750—Belt Maker's Machinery

Birmingham Iron Foundry (For Rubber Belting, etc.), Derby, Conn.
Dennis Jno. Machine Co., Lowell, Mass.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

### 7751—Belt Sanding Machines

Curtis Machine Corp. ("Lucas" Panel, "Moore," "Jansen"), Jamestown, N. Y.
Driver C. H. & Kerr Co., 1320 16th, Racine, Wis.
Mattison C. Machine Works, Rockford, Ill.
Redin, Eckerstrom & Co., Rockford, Ill.
Schimmel, Reid & Co. ("Simplex"), Faribault, Minn.
Wysong & Miles Co., Greensboro, N. C.
Yates P. B. Machine Co., Beloit, Wis.

### 7752—Belt Scarfing Machines

Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

### 7753—Belt Stitching Machinery

Singer Sewing Machine Co., 149 B'way, New York

### 7754—Belt Strapping Machines

Diamond Machine Co. ("Diamond"), Providence, R. I.

### 7755—Belt Stretching Machines

Holmes Chas. Leather Working Machinery Co., Cambridge, Mass.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

### 7756—Belt Stretching & Testing Machines (Combined)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

### 7757—Belt Stripping Machines

Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

### 7758— Bending Machines

Bethlehem Steel Co., South Bethlehem, Pa.
**BLISS E. W. Co.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Clevetland, O.
Dries & Krump Mfg. Co., 2901 S Halsted, Chicago, Ill. *See adv index at end of book*
Galland-Henning Mfg. Co. (Beam & Angle & Hydraulic), Railway Exchange bldg, Milwaukee, Wis.
Garrison Brass & Machine Works, 107 W 13th, New York
Hilles & Jones Co., E Wilmington, Del. *See adv index at end of book*
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Long & Allstatter Co. (Horizontal, etc., Double Steam, Motor & Belt Driven), Hamilton, O.
Niles-Bement-Pond Co. 111 Broadway, New York
Robinson J. M. Mfg. Co. (¼-inch Plates & Lighter, 3282 Spring Grove av, Cincinnati, O.
**WALLACE SUPPLIES MFG. CO.,** 416 Orleans st, Chicago, Ill. *See adv index at end of book*
Wells Frank L. Co. (For Brass & Iron Tubing), Kenosha, Wis.
Wickes Bros. (Plate & Angle, etc.), Saginaw, Mich.
Williams, White & Co., Moline, Ill.

### Bending Machines (Concrete Reinforcing Bar)

See Benders, Reinforcing Bar

### 7759—Bending Machines (Hydraulic)

Chambersburg Engineering Co. (For Angles), Chambersburg, Pa.
Galland-Henning Mfg. Co. (Beam & Angle), 97 Wisconsin, Milwaukee, Wis.
Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*
**MORGAN ENGINEERING CO.,** Alliance, Ohio. *See adv index at end of book*
Niles-Bement-Pond Co., 111 Broadway, New York
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Wood R. D. & Co. (Or Bulldozer), 400 Chestnut, Phila., Pa.

### 7760—Bending Machines (Splice)

Cleveland Frog & Crossing Co. (For Offsetting Splices), 6917 Bessemer av, Cleveland, O.

### 7761—Bending Machines (Tube)

Cox J. Fillmore Engng. & Tube Bending Machine Wks. (& Pipe), Bayonne, N. J.
Galland-Henning Mfg. Co., Railway Exchange bldg, Milwaukee, Wis.
Pipe Machinery Co. (Pipe), 930 E 70th, Cleveland, O.
Simmons Co., Kenosha, Wis.
Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*

### Bending Machines (Wood)

See Wood Bending Machines

### Bending & Forming Machines

See Forming & Bending Machines

### 7762— Berry Box Machinery

Titus E. E., Petersburg, Va.

### 7763—Bevel Gear Tempering Machines

Gleason Works, 2000 University av, Rochester, N. Y. *See adv index at end of book*

### 7764—Bevel Gear Turning Machines

Bridgeford Machine Tool Works (For Automobile Gears), Rochester, N. Y.

### 7765—Bevel Sawing Machines

Connell & Dengler Machine Co., Rochester, N. Y.

### 7766— Beveling Machines

Royle Jno. & Sons (Inc.) (Photo Engravers'), Paterson, N. J.
Sheridan T. W. & C. B. Co. (Bookbinders, etc), 434 Broadway, New York

### 7767—Bias Fabric Strip Machinery

Adams A. L., Bridgeport, Conn.

### 7768— *Bicycle Machinery

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

### 7769— Bifurcating Machines

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

### 7770-1—Billet Piercing Machines

Standard Engineering Co., Ellwood City, Pa.

### Billing Machines

See Typewriters, Adding & Billing

### 7772—Binders' Board Machines

Noble & Wood Machine Co., Hoosick Falls, N. Y.

### 7773— Blanching Machines

Huntley Mfg. Co. ("Monitor" for All Fruits, Vegetables, Oysters, etc., Silver Creek, N. Y.
Premier Machinery Co., Oakland, Cal.

### 7774—Blast Furnace Machinery

See also Rolling Mill Machinery

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
**MORGAN ENGINEERING CO.,** Alliance, Ohio. *See adv index at end of book*
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
Weimer Machine Works Co., Lebanon, Pa.
Youngstown Engineering Co., Youngstown, Ohio

### 7775—Blast Hole Drilling Machines

American Well Works, Aurora, Ill.
Armstrong Mfg. Co., Waterloo, Ia.
Keystone Driller Co., Beaver Falls, Pa. *See adv index at end of book*
Sanderson-Cyclone Drill Co., Orrville, O.

### 7776— Blasting Machines

Atlas Powder Co., 140 N Broad, Phila., Pa. *See adv index at end of book*
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*
**HERCULES POWDER CO.** ("Hercules" & "Hercules midget"), Wilmington, Del. *See adv index at end of book*

### 7777— Bleaching Machinery

Jefferson E. D. & Son, 53 State, Boston, Mass.
Wallace-Tierman Co., Inc., 349 Broadway, New York

### 7778— Blending Machines

Abbe Engineering Co. 216-224 B'way, New York *See adv index at end of book*
Barnard & Leas Mfg. Co., Moline, Ill.
Gump B. F. & Co., 431 S Clinton, Chicago, Ill.
Huntley Mfg. Co. ("Monitor" for Coffee), Silver Creek, N. Y.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Wolf Co., Chambersburg, Pa.

### 7779—Blind Slat Crimping Machines

Hall & Brown Woodworking Machine Co. (Blind Slat Tenoning & Boring Machines, etc.), 1929-33 N. B'way, St. Louis, Mo. *See adv index at end of book*

### 7780—Blind Slat Sawing Machines

American Woodworking Machinery Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.

### 7781—Blind Wiring Machines

American Woodworking Machinery Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Smith H. B. Machine Co., Smithville, N. J.

### Blue Printing Machines

For Classification number see Index of Contents

### 7782—Boat Unloading Machinery

Hudson Machinery Co., Passaic, N. J.
**LINK-BELT CO.** (For Unloading Coal, etc.), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*

### Bobbin Machinery

See Spool & Bobbin Machinery

### 7783—Boiler Cap Reseating Machines

Lagonda Mfg. Co., Springfield, O.

### 7784—Boiler Flue Safe Ending Machines

Federal Electric Welder Co., Warren, O.

### Boiler Head Flanging Machines

See Flanging Machines

## 7785—Bolt Cutting Machines

Acme Machienry Co., 4533 St. Clair av, Cleveland, O.
Brown H. B. Co. ("Merriman"), East Hampton, Conn.
Chambers Bros. Co. ("Chambers" Open Side), 52d below Lancaster av, Philadelphia, Pa.
Foote-Burt Co. ("Reliance"), 4101 St. Clair av, Cleveland, O.
Landis Machine Co., Waynesboro, Pa.
Mummert, Dixon Co. ("Plurality" Die Bolt), Hanover, Pa.
National Machinery Co., Tiffin, O.
Pratt & Whitney Co. (Turret), Hartford, Conn.
Universal Machine Co. ("Standard," Single & Double Head), Bowling Green, O.
Walraven Co., The, 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
Webster & Perks Tool Co., Springfield, O.
Williams Tool Co., Erie, Pa.

## 7786—Bolt Forging Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Pawtucket Mfg. Co. (Hexagon & Square Head), Pawtucket, R. I.

## 7787—Bolt Head Trimming Machines

Manville E. J. Machine Co. (Automatic), Waterbury, Conn.
Pawtucket Mfg. Co. (Automatic), Pawtucket, R. I.

## 7788—Bolt Heading Machines

Acme Machienry Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co. (Automatic Feed), 3830 Lakeside av, Cleveland, O.
Brown H. B. Co., East Hampton, Conn.
Cook Asa S. Co. (For Stove & Tire Bolts, etc), Hartford, Conn.
Howard Iron Works ("Burdict" for Hex. Square & Carriage Bolts), Buffalo, N. Y.
Manville E. J. Machine Co. (For Cold Bolt Making), Waterbury, Conn.
National Machinery Co., Tiffin, O.
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Noyes B. B. Co. ("Noyes"), Greenfield, Mass.

## 7789—Bolt Pointing Machines

Acme Machienry Co., 4533 St. Clair av, Cleveland, O.
Brown H. B. Co., East Hampton, Conn.
Howard Iron Works, Buffalo, N. Y.
Landis Machine Co. ("Landis"), Waynesboro, Pa.
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Webster & Perks Tool Co., Springfield, O.

## Bolt Tapping Machines

See Nut Tapping Machines

## 7790-1—Bolt Threading Machines

Alton International Industries, 118 Wil- Cleveland, O.
Brown H. B. Co. ("Merriman Automatic & Non-Automatic, Single or Double Spindle), East Hampton, Conn.
Cook Asa S. Co. (For Cap Screws; also for Stove & Tire Bolts, etc), Hartford, Conn.
Foote-Burt Co. ("Reliance"), 4101 St. Clair av, Cleveland, O.
**GREENFIELD TAP & DIE CORP'N**, ("G. T. D." For Hand & Power, also Automatic Die Head Bolt Threaders), Greenfield, Mass.
*See adv index at end of book*
Landis Machine Co., Waynesboro, Pa.
Newton Machine Tool Works, 23d & Vine, Phila., Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Saunders D. Sons, Yonkers, N. Y.
Standard Engineering Co., Ellwood City, Pa.
Universal Machine Co., Bowling Green, O.
Webster & Perks Tool Co., Springfield, O

## 7792—Bolt Upsetting Machines

Acme Machienry Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.

## 7793— Bolt & Nut Machinery

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
Brown H. B. Co., East Hampton, Conn.
**GREENFIELD TAP & DIE CORP.** ("G. T. D." Threading Machines), Greenfield, Mass. *See adv index at end of book*
Howard Iron Works, Buffalo, N. Y.
Landis Machine Co., Waynesboro, Pa.
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Webster & Perks Tool Co., Springfield, O.
Williams, White & Co., Moline, Ill.

## 7794—Bolt & Nut Threading Machines

**GREENFIELD TAP & DIE CORP.** ("G T. D.") Greenfield, Mass.
*See adv index at end of book*
Landis Machine Co., Waynesboro, Pa.
Moon Mach. Co., Muncie, Ind.

## 7795— Bolting Machines

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Beach-Russ Co., 216-224 B'way, New York
*See adv index at end of book*
Great Western Mfg. Co. (For Flour & Corn Mills), Leavenworth, Kansas
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Nordyke & Marmon Co. (For Flour, Meal & Special Products), Kentucky av & Morris, Indianapolis, Ind.
Robinson Mfg. Co., Muncy, Pa.
Ross Charles & Son Co., 148 Classon av, Brooklyn, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
Wolf Co., Chambersburg, Pa.

## 7796—Bolting Saw Machines

Defiance Machine Works, Defiance, O.
Gerlach Peter Co. (Hand & Power Feed), 1712 Winter, Cleveland, O.
Ober Mfg. Co., Chagrin Falls, O.

## 7797—Bone Washing Machines

Allbright-Nell Co. (For Packing Houses, etc.), 5315 Western av, Chicago, Ill.

## 7798—Book Backing Machines

Hickok W. O. Mfg. Co., Harrisburg, Pa.
Latham Machinery Co. ("Sanborn"), 1153 Fulton, Chicago, Ill.

## 7799—Book Binders' Cloth Cutting Machines

Smyth Mfg. Co., Hartford, Conn.

## 7800—Book Binders' Machinery

Anderson C. F. & Co., 710 S Clark, Chicago, Ill.
Blackhall Mfg. Co., 196 Seneca, Buffalo, N. Y.
Brown R. H. & Co., New Haven, Conn.
Burton A. G. Son ("Peerless"), 118 S Clinton, Chicago, Ill.
Crawley Book Machinery Co., Newport, Ky.
Dexter Folder Co., 200 5th av, New York
Fuller E. C. Co., 28 Reade, New York
Goat Fred Co. (Rounding & Backing Machines), 10 Reade, New York
Gramines L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hickok W. O. Mfg. Co., Harrisburg, Pa.
Hoole Machine & Engraving Works, 29 Prospect, Brooklyn, N. Y.
Jacques Jno. & Son, Worcester, Mass.
Lange Henry G., 162 N May, Chicago, Ill.
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.
McBee Binder Co., Athens, Ohio
Marresford Wm. F. (Pasting), 56 Pearl, Brooklyn, N. Y.
Marshall Son & Co., 226 Purchase, Boston, Mass.
Robinson Jno. T. Co., Hyde Park, Mass.
Rosback F. P. Co., Benton Harbor, Mich.
Seybold Machine Co. (Compressors & Standing Presses), Dayton, O.
Sheridan T. W. & C. B. Co., 434 B'way, New York
Sigourney Tool Co., Hartford, Conn.
Smyth Mfg. Co., Hartford, Conn.
Standard Machinery Co., Mystic, Conn.
Ziegler Rob't & Sons, St. Louis, Mo.

## 7801—Book Casing-in Machines

Smyth Mfg. Co., Hartford, Conn.

## 7802—Book Covering Machines

Sheridan T. W. & C. B. Co., 434 B'way, New York

## 7803—Book Gathering Machines

Gullberg & Smith, 187 Lafayette, New York

## 7804—Book Gluing Machines

Smyth Mfg. Co., Hartford, Conn.
Westervelt J. W. & Co., 198 William, New York

## 7805—Book Indexing Machines

Latham Machinery Co., 1153 Fulton, Chicago, Ill.

## 7805a— Bookkeeping Machines

Elliott Fisher Co., Harrisburg, Pa.

## 7806—Book Sawing Machines

Hickok W. O. Mfg. Co., Harrisburg, Pa.

## 7807—Book Sewing Machines

Sigourney Tool Co., Hartford, Conn.
Smyth Mfg. Co., Hartford, Conn.

## Book Stitching Machinery

See Wire Stitching Machines

## 7808—Book Trimming Machines

Rowe James (Automatic), 1058 W Harrison, Chicago, Ill.
Smyth Mfg. Co., Hartford, Conn.

## Boot Machinery

See Shoe Machinery

## 7809—Boring, Drilling, Tapping & Milling Machines

Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Cleveland Machine Tool Co., Cleveland, Ohio

## 7810—Boring, Drilling & Milling Machines (Combined)

American Woodworking Machinery Co., Rochester, N. Y.
Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Blomquist-Eck Machine Co., 1146 E 152nd, Cleveland, O.
Cleveland Machine Tool Co., Cleveland, O.
Lucas Machine Tool Co., 542 E 99th, Cleveland, O.
Newton Machine Tool Works (Portable or Stationary), 23d & Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.
Universal Boring Machine Co., Hudson, Mass.

## 7811—Boring, Drilling & Tapping Machines (Combined)

Hoefer Mfg. Co., Freeport, Ill.
Rockford Drilling Machine Co. ("Rockford" Horizonthal), Rockford, Ill.

Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.
**Western Machine Tool Works, Holland, Mich.**

## Boring Machines

See Metal Boring Machines; also Wood Boring Machines; also Pneumatic Boring Machines

## 7812—Boring Machines (Barrel)

**Strait H. N. Mfg. Co. (For Boring Holes in Barrels), Kansas City, Kans.**

## 7813—Boring Machines (Bracket)

**Coates Clipper Mfg. Co. ("Coates"), Worcester, Mass.**

## 7814—Boring Machines (Car Box)

**Newton Machine Tool Works, 23d & Vine, Phila., Pa.**
Niles-Bement-Pond Co., 111 B'way, New York
Pittsburgh Machine Tool Co., Braddock, Pa.
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.

## 7815—Boring Machines (Car Wheel)

Betts Machine Co., 420 Blossom rd, Rochester, N. Y.
*See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Putnam Machine Co., Fitchburg, Mass.
Sellers Wm. & Co. (Inc.), 1600 Hamilton, Phila., Pa.

## 7816—Boring Machines (Condenser Head)

**Beaman & Smith Co., Providence, R. I.**

## 7817—Boring Machines (Crank)

**Niles-Bement-Pond Co., 111 B'way, New York**

## 7818—Boring Machines (Cylinder)

**Automatic Machine Co. (Four Spindle Boring & Surfacing, etc.), Bridgeport, Conn.**
**Baker Bros. (1, 2, 4 & 6 Spindle), Toledo, O**
**Barrett Machine Tool Co., ("Barrett"), Meadville, Pa.**
**Beaman & Smith Co., Providence, R. I.**
Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
**Hoefer Mfg. Co., Freeport, Ill.**
**Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.**
**Mathews Hugh (Portable Re-Boring Bars), Kansas City, Mo.**
**Moline Tool Co., Moline, Ill.**
Newton Machine Tool Works, 23d & Vine, Phila., Pa.
**Niles-Bement-Pond Co., 111 B'way, New York**
Rooksby E. J. & Co., 435 N 11th, Phila. **Pa.**
Ryerson Jos T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill
*See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Simmons Machine Co. (Inc.), 987 B'way. Albany, N. Y.
**Stowe Flexible Shaft Co. (Portable), 26th & Callowhill, Phila., Pa.**
**Underwood H. B. & Co. (Portable), 1025 Hamilton. Phila., Pa.**

## 7819—Boring Machines (Cylinder & Valve Chamber)

Newton Machine Tool Works, 23d & Vine, Phila., Pa.

## 7820—Boring Machines for Electric Wiring

Ford Auger Bit Co., Holyoke, Mass.
Henderson Electric Co. (Joist), Charlottesville, Va.

## 7821—Boring Machines (Hand)

**Hardware Specialty Mfg. Co. ("Boss" Two-Speed), Anderson, Ind.**
**Millers Falls Co., 28 Warren, New York**
**Snell Mfg. Co. ("Snell," Angular & Upright), Fiskdale, Mass.**
**Swan Jas. Co. (Wood Frame for Wood), Seymour, Conn.**

## 7821a—Boring Machines (Horizontal & Vertical)

Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Root B. M. Co., York, Pa.
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.

## 7822—Boring Machines (Hub)

**Abbott & Co. ("Little Giant"), Hudson, Mich.**
**Brecht Co., 1201 Cass av, St. Louis, Mo.**
**Defiance Machine Works, Defiance, O.**
**Kane & Roach, Syracuse, N. Y.**
**Smith Philip Mfg. Co., Sidney, O.**
**Vulcan Iron Works Co., Mason City, Ia.**

## 7823—Boring Machines (Locomotive Connecting Rod)

Baker Bros., Toledo, O.
**Newton Machine Tool Works, 23d & Vine, Phila., Pa.**

## 7824—Boring Machines (Metal)

See also Boring & Turning Machines; also Boring & Drilling Machines, Horizontal

Baker Bros., Toledo, O.
Barrett Machine Tool Co. ("Barrett" Cylinder), Meadville, Pa.
Baush Machine Tool Co., Springfield, Mass.
Beaman & Smith Co., Providence, R. I.
Betts Machine Co., 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Gardam Wm. & Son 114 Park pl, New York
Garvin Machine Co., 147 Varick, New York
Herbert Alfred, Ltd., 34 Dey, New York
*See adv index at end of book*


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Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
Sellers Wm. & Co., 1600 Hamilton, Phila**delphia, Pa.**
**Termaat & Monahan Mfg. Co. (Horizontal), Oshkosh, Wis.**
Warner & Syasey Co., 5809 Carnegie av, Cleveland, O.

## 7825—Boring Machines (Metal, Horizontal)

Niles-Bement-Pond Co., 111 B'way, New York

## Boring Machines (Metal, Vertical)

See Boring & Drilling Machines, Horizontal

## 7826—Boring Machines (Mower & Reaper Frame)

Beaman & Smith Co., Providence, R. I.

## 7827—Boring Machines (Portable)

Alliance Supply Mfg. Co., Alliance, Ohio
Newton Machine Tool Works, 23d & Vine, Phila., Pa.
Oil Well Supply Co. (Oil Well), 215 Water, Pittsburgh, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
**Stow Mfg. Co., Binghamton, N. Y.**
*See adv index at end of book*
Stowe Flexible Shaft Co., 26th & Callowhill, Phila., Pa.

## 7828—Boring Machines (Rod)

**Newton Machine Tool Works ("Duplex"), 23d & Vine, Philadelphia, Pa.**

## 7829-30—Boring Machines (Shaft)

**Pratt & Whitney Co., Hartford, Conn.**

## Boring Machines (Wood)

See Wood Boring Machines
Also Wood Boring Machines, Multiple

## Boring Machines (Wood Pipe)

See Wood Pipe Boring Machines

## 7831—Boring & Chucking Machines (Vertical)

Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Turner Machine Co. ("Turner-Turret" Drills, Reams, Taps & Bores), Danbury, Conn.

## 7832—Boring & Drilling Machines (Horizontal)

See also Metal Boring Machines

Barnes W. F. & John Co., Rockford, Ill.
Beaman & Smith Co., Providence, R. I.
Betts Machine Co., 420 Blossom rd, Rochester, N. Y.
*See adv index at end of book*
Cleveland Machine Tool Co. (& Miling), Cleveland, O.
Espen Lucas Mach. Wks., Girard av, Phila., Pa.
**Gisholt Machine Co., Madison, Wis.**
**Hoefer Mfg. Co. (Also Horizontal & Vertical Combined 60 Inch Swing, 4 to 4½ Inch Bar), Freeport, Ill.**
Lucas Machine Tool Co., 524 E 9th, Cleve**land, O.**
**Moline Tool Co., Moline, Ill.**
Morris Mach. Tool Co., Court & Harriet, Cincinnati, O.
Newton Machine Tool Works, 23d & Vine, Philadelphia, Pa.
**Niles-Bement-Pond Co., 111 B'way, New York**
Pawling & Harnischfeger Co., Milwaukee, Wis.
*See adv index at end of book*
**Rockford Drilling Machine Co., Rockford, Ill.**
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
**Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.**
Simmons Machine Co. (Inc.), 987 B'way, Albany, N. Y.
**Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.**

## 7833—Boring & Milling Machines (Horizontal)

Betts Machine Co., 420 Blossom rd, Rochester, N. Y.
*See adv index at end of book*
Lucas Machine Tool Co., 524 E 99th, Cleveland, O.
**Simmons Machine Co., Inc., 987 B'way,** Albany, N. Y.
**Universal Boring Machine Co., Hudson, Mass.**

## 7834—Boring & Reaming Machines

**Baker Bros. (Automatic), Toledo, O.**

## 7835—Boring & Tapping Machines (Automatic)

Baker Bros., Toledo, O.
Dreses Machine Tool Co. (Boring, Facing & Tapping), Cincinnati, O.

## 7836—Boring & Turning Machines

Amalgamated Machinery Corp'n, 72 W Adams, Chicago, Ill.

BORING & TURNING MACHINES—cont.

Betts Machine Co., 420 Blossom rd, Rochester, N. Y.
*See adv index at end of book*

Bullard Machine Tool Co. ("Mult-Au-Matic"), Bridgeport, Conn.

**Colburn Machine Tool Co. (Vertical, 30 to 72-in. Swing), Ivanhoe rd, Cleveland, Ohio**

**Espen-Lucas Machine Works (Stationary & Portable, Horizontal Multiple Spindle Boring Mills), 21 Girard av, Phila., Pa.**

**Gisholt Machine Co. (Vertical & Horizontal), Madison, Wis.**

**King Machine Tool Co. (Vertical, 42, 52, 62 & 72-inch Size), Clifton & B. & O. S. W. R. R., Cincinnati, O.**

**Niles-Bement-Pond Co. (Sidehead), 111 B'way, New York**

Putnam Machine Co., Fitchburg, Mass.

Rogers Machine Tool Co., Alfred, N. Y.

Seeger Machine Tool Co., 34 Forsyth, Atlanta, Ga. *See adv index at end of book*

**Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.**

Walraven Co., The, 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*

Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.

## 7837—Boring & Turning Machines (Vertical)

Baker Bros., Toledo, O.

**Baush Machine Tool Co., Springfield, Mass.**

Betts Machine Co., 420 Blossom rd, Rochester, N. Y.
*See adv index at end of book*

**BICKFORD H. & CO. ("Bickford"), Lakeport, N. H.**

**Bullard Machine Tool Co. ("Mult-Au-Matic"), Bridgeport, Conn.**

**CINCINNATI PLANER CO.,** Cincinnati, O.

Colburn Machine Tool Co. (36 to 72 inch Swing), Franklin, Pa.

**Gisholt Machine Co. (30 to 84 inch), Madison, Wis.**

**King Machine Co. (42, 50, 60 & 72 inch Size), Clifton av & B. & O. S. W. R. R., Cincinnati, O.**

Meier J. J. Machinery Co., 3412-3414 Woolworth bldg., New York
*See adv index at end of book*

**Mitts & Merrill (Boring Only), Saginaw, Mich.**

**Niles-Bement-Pond Co., 111 B'way, New York**

Rogers Machine Tool Co., Alfred, N. Y.

Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

## 7838—Bottle Blowing Machines

Cox & Sons Co., 5th & Chestnut, Phila., Pa.

Husted-Hall Mould Works, Bridgeton, N. J.

Lynch Glass Machy. Co. ("No-Boy," "Lynch"), Anderson, Ind.

Owens Bottle Co. (Automatic), Toledo, O.

Teeple W. S., Wellsburg, W. Va.

United Bottle Mach'y Co. (For Narrow Mouth Bottles), 90 W B'way, New York

## 7839-40—Bottle Box Boring Machines

Chase Turbine Mfg. Co., Orange, Mass.

## 7841—Bottle Capping Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.

Bottle Capping Mach. Co. (Electric), 949 B'way, New York

**Columbia Machine & Stopper Corp., 414 W 38th, New York**

Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.

Davis-Watkins Dairymen's Mfg. o., North Chicago, Ill.

Ideal Mfg. Co., Kewanee, Ill.

Modern Machinery Co., Wilmington, Del.

Pacific Carbonator Co., 133 W 24th, New York

Premier Machinery Co., Oakland, Cal.

Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.

**Rice & Adams (Milk), Buffalo, N. Y.**

Service Commodities Mfg. Co., 442 N Wells, Chicago, Ill.

U. S. Bottlers' Machy. Co. (Automatic, Rotary, Spinning, Electric & Hydraulic, Hand, for Tin Foil Cans), 2511 Park, Chicago, Ill.

## 7842—Bottle Corking Machines

See also Bottle Capping Machines

Dicke Tool Co. (Bench & Upright), Downers Grove, Ill.

Ermold Edw. Co. ("Ermold," Automatic Steam), 656 Hudson, New York

Fiber Barrel Machine & Mfg. Co. (Fibre), 2516 Jane, Pittsburgh, Pa.

Modern Machinery Co., Wilmington, Del.

Premier Machinery Co., Oakland, Cal.

Standard Automatic Machine Co. (Filling, Corking & Labeling), Rochester, N. Y.

U. S. Bottlers' Machy. Co. ("Milwaukee," "New York," Automatic; "Daisy" Bench Hand), 2511 Park, Chicago, Ill.

**VILTER MFG. CO.** (Power Corkers for Catsup, Pickles, Olives, etc.), 1046 Clinton, Milwaukee, Wis.
*See adv index at end of book*

## 7843—Bottle Filling Machines (Automatic)

Bishop & Babcock Co. ("Eureka" Counter Pressure Revolving), 1204 E 55th, Cleveland, O.

Buffalo Can & Bottle Filling Mach. Co., 61 Terrace, Buffalo, N. Y.

**Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.**

**Federal Brass Works ("Success"), 3100 S Kedzie, Chicago, Ill.**

Fowler Bottling Machine Co. ("Universal"), 124 White, New York

Henes & Keller Co., Menominee, Mich.

Illinois Glass Co. ("Diamond I"), 402 W Randolph, Alton, Ill.

Kiefer Karl Machine Co., 919 Martin, Cincinnati, Ohio

Liquid Carbonic Co. ("Monarch" Cam Lift Rotary), 3100 S Kenzie av, Chicago, Ill.

McKenna Brass & Mfg. Co., 1st av & Ross, Pittsburgh, Pa.

Premier Machinery Co., Oakland, Cal.

**Rice & Adams (Milk), Buffalo, N. Y.**

Standard Automatic Machine Co. (Filling & Corking, Filling & Screw Capping), Rochester, N. Y.

U. S. Bottlers' Machy. Co. ("Perfection," "Improved Louisville," "Whitton," Hand), 2511 Park, Chicago, Ill.

## 7844—Bottle Rinsing Machines

Premier Machinery Co., Oakland, Cal.

U. S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.

## 7845—Bottle Sealing Machines

**Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.**

Gutmann Ferdinand Co., 134 W 29th, New York

Modern Machinery Co., Wilmington, Del.

Premier Machinery Co., Oakland, Cal.

Standard Automatic Machine Co., Rochester, N. Y.

Star Seal Co., 30 Church, New York

Sterling Cork & Seal Co., Hawthorne, Toledo, Ohio

## 7846—Bottle Washing & Soaking Machines

Arrow Bottlers Machinery Co. (Rotary), 17 N La Salle, Chicago, Ill.

Bailey Engine Co., Lima, N. Y.

Barry-Wehmiller Machinery Co. ("National"), 4660 Florissant, St. Louis, Mo.

Gallagher Mfg. Co., Lynn, Mass.

Henes & Keller Co. (Revolving), Menominee, Mich.

Hoyt Bros. & Co., Lynn, Mass.

Kiefer Karl Machine Co., 919 Martin, Cincinnati, O.

Loew Mfg. Co. ("Economic," "Hydropressure" & "Rotary Hydros" Soaker), 9100 Madison av N W, Cleveland, O.

**Magnus A. Sons Co., 327 W. Randolph, Chicago, Ill.**

Modern Machinery Co., Wilmington, Del.

Premier Machinery Co., Oakland, Cal.

Rice & Adams (Milk), Buffalo, N. Y.

20th Century Machinery Co., Nat'l Bank bldg, Milwaukee, Wis.

Universal Machine Works, 1060 Germantown, Phila., Pa.

**Wenzell S. S. Machine Co. ("Eick" Washing & Rinsing), 50th & Parkside av, Phila., Pa.**

## 7847—Bottle Wiring Machines

**Boston Bottle Wiring & Labeling Co., (Hand Wiring), 23 Wormwood, Boston, Mass.**

## 7848—Bottlers' Machinery & Supplies

**See also Brewers' & Malsters' Machinery & Supplies; also Pitching Machines**

Aetna Bottle & Stopper Co. (Bottle Stoppers, etc), 54 Peck, Providence, R. I.

American Soda Fountain Co., 282 Congress, Boston, Mass.

Barry-Wehmiller Machinery Co., 4660 Florissant, St. Louis, Mo.

Bernardin Bottle Cap Co. (Metallic Bottle Caps, "Cyclone" Soda Neck Wires & Beer Stoppers), Evansville, Ind.

Bishop & Babcock Co. ("Eureka" Low Pressure Bottling Machines, etc), 1204 E 55th, Cleveland, O.

Blue Seal Supply Co., 12 Port, Boston, Mass.

**Buddle & Westermann, 7th av & 29th, New York**

Chain Belt Co., Milwaukee, Wis.

**Columbia Machine & Stopper Corp. (Automatic Crowning Machines & Bottle Closures), 414 W 38th, New York**

Crown Cork & Seal Co. (Openers, Seals, Bottle Stoppers, etc), 1511 Guilford av, Baltimore, Md.

Federal Brass Works, 3100 S Kedzie, Chicago, Ill.

Frankel Max Co. (Bottlers' Supplies, Corks, etc), 290 Pearl, New York

Henes & Keller Co. (Bottle Fillers, Air Regulators, etc), Menominee, Mich.

Kiefer Karl Machine Co., 919 Martin, Cincinnati, O.

**Ladewig & Stock Co. (Soaking Machines, Outside Bottle Scrubbers, Hydro Pneumatic Internal Washers, Bottle Solution, Conveyors, Combination Solution, Rinsers & Conveyors, Pasteurizers), Waukesha, Wis.**

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila Pa. *See adv index at end of book*

**Magnus A. Sons Co., 327 W Randolph, Chicago, Ill.**

Modern Machinery Co., Wilmington, Del.

Premier Machinery Co., Oakland, Cal.

U. S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.

**Wittemann Bros. (Specialties), 41 Ferris, Brooklyn, N. Y.**

**Zoller Chas. Co., 211 E 94th, New York**

## 7849—Box Blocker Machines

**Fischer Machine Works ("Fischer's" Double,) 1845 Carroll av, Chicago, Ill.**

## 7850—Box Board Grooving Machines

Chase Turbine Mfg. Co. (Automatic), Orange, Mass.

Morgan Machine Co., Rochester, N. Y.

Pollard C. A. Co., Newfields, N. H.

## 7851— Box Board Machines

Beloit Iron Works, Beloit, Wis.

Carver Cotton Gin Co., East Bridgewater, Mass.

Challoner Co., Oshkosh, Wis.

**Gerlach Peter Co. ("Jumbo"), 1712 Winter, Cleveland, O.**

Humphrey Machine Co., Keene, N. H.

Linderman Steel & Machine Co., Muskegon, Mich.

Moore & White Co., N 15th & Lehigh av, Phila., Pa.

Murray D. J. Mfg. Co., Wausau, Wis.

**Yates P. B. Machine Co., Beloit, Wis.**

## 7852—Box Board Matching Machines

American Woodworking Machinery Co., Rochester, N. Y.

Chase Turbine Mfg. Co., Orange, Mass.

Connell & Dengler Machine Co., Rochester, N. Y.

Fischer Machine Works (Single & Double Color), 1845 Carroll av, Chicago, Ill.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Linderman Steel & Machine Co., Muskegon, Mich.
Luther B. G. Co., Worcester, Mass.
Morgan Machine Co., Rochester, N. Y.
National Woodworking Machine Co., Dover, N. H.
Stevens Machine Shops, Winooski, Vt.
Yates P. B. Machine Co., Beloit, Wis.

## 7853—Box Board Printing Machines

Boston Printing Press & Machinery Co. ("Prouty"), East Bridgewater, Mass.
Connell & Dengler Machine Co. (One, Two & Three Colors), Rochester, N. Y.
Cross Press & Sign Co., 1508 Dayton, Chicago, Ill.
Fischer Machine Works (Cross, Single & Double Color), 1845 Carroll av, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Hooper F. X. Co. (Multi-Color), Glenarm, Md.
Morgan Machine Co. (One to Three Colors), Rochester, N. Y.
Premier Machinery Co., Oakland, Cal.

## 7854-5—Box Board Sawing & Finishing Machines

American Wood Working Machy. Co., Rochester, N. Y.
Badger State Machine Co., Janesville, Wis.
Hobbs Mfg. Co., Worcester, Mass.
Premier Machinery Co., Oakland, Cal.

## Box Cleating Machines

See Box Nailing & Cleating Machines

## 7856—Box Hand Hole Cutting Machines

Chase Turbine Mfg. Co., Orange, Mass.
Fischer Machine Works (Automatic), 1845 Carroll av, Chicago, Ill.

## 7857—Box Handle Machines

Premier Machinery Co., Oakland, Cal.
Smith & Phillips Mfg. Co., 1008 W Madison, Chicago, Ill.

## 7858—Box Hinging Machines

General Package Co., 99 Warren, New York

## 7859—Box Makers' Machinery

American Woodworking Machinery Co., Rochester, N. Y.
Burgess Machine Co. (Nailing, Trimming, etc), New Haven, Conn.
Chase Turbine Mfg. Co. (Crate), Orange, Mass.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman Rechtin Co., Butler, Cincinnati, Ohio
Defiance Mach. Wks. (Crate), Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Garland M. Co. (Box Board, etc), Bay City, Mich.
**GRAMMES L. F. & SONS,** Allentown, Pa.
*See adv index at end of book*
**HALL & BROWN WOODWORKING MACHINE CO.,** N. B'way, St. Louis, Mo.
*See adv index at end of book*
Heath, W. A. Machine Co., Lestershire, N. Y.
Hemingway Machine Co. (Sizing, Saw, etc.), Lynn, Mass.
Humphrey Machine Co., Keene, N. H.
Jones Superior Machine Co., 1264 W North av, Chicago, Ill.
Linderman Steel & Machine Co., Muskegon, Mich.
Luster-Jordan Co., Inc., Finance bldg, Phila., Pa.
Luther B. G. Co., Worcester, Mass.
Mereen-Johnson Mach. Co., 4400 Lydale av, Minneapolis, Minn.
Morgan Machine Co., Rochester, N. Y.
National Woodworking Machine Co., Dover, N. H.
Power L. & Co., 20 S 23rd, Phila, Pa.
Premier Machinery Co., Oakland, Cal.
St. Paul Machinery Mfg. Co. (Dovetail Box Machines), Como & Marion, St. Paul, Minn.
**SINKER-DAVIS CO.** ("Hoosier"), Indianapolis, Ind.
Smith, H. B. Machine Co., Smithville, N. J.
Strange, Chas. E., Taunton, Mass.
Wirebounds Corp. (Wire Bound), 1001 W Washington, Chicago, Ill.
Woods S. A. Mach. Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

## 7860—Box Nail Feeding Machines

Doig, Wm. S. (Est. of) (Automatic), 54 Franklin, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 7861—Box Nailing & Cleating Machines

Burgess Machine Co., New Haven, Conn.
Doig Wm. S. (Est. of), (also Double Decker Nailing & Cleating), 54 Franklin, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Morgan Machine Co., Rochester, N. Y.
Parker, Geo. D. (Automatic), Riverside, Cal.
Premier Machinery Co., Oakland, Cal.

## 7862— Box Shook Machinery

See also Box Makers' Machinery

Chapman's T. M. Sons Co., Old Town, Maine.
Luster-Jordan Co., Inc., Finance bldg, Phila., Pa.
Morgan Machine Co. (Shook Splicer), Rochester, N. Y.

## 7862a—Box Shook Tying Machinery

Gerrard Wire Tying Machines Co., Inc., 538 S Dearborn, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

## Box Stapling Machines

See Wire Stapling Machinery

## 7863—Box Strapping Machines

American Castings & Mfg. Corp., 30 Main, Brooklyn, N. Y.
Cary Mfg. Co., Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Doig, Wm. S. (Est. of) (Beer Box), 54 Franklin, Brooklyn, N. Y.
Gerrard Wire Tying Machine Co., Inc., 538 S Dearborn, Chicago, Ill.
Pakanship Co., Inc., 375 Fulton, Brooklyn, N. Y.
Premier Machinery Co., Oakland, Cal.
Signode System, Inc., 108 W Lake, Chicago, Ill.
Twisted Wire & Steel Co., 437 11th av, New York
**WIRE & STEEL PRODUCTS CO., INC.,** 417 E 22d, New York

## 7864-5—Box Trimming Machines

Burgess Machine Co., New Haven, Conn.
Fischer Machine Works (Double Box Blocker), 1845 Carroll av, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Luster-Jordan Co., Inc., Finance bldg, Phila., Pa.
Morgan Machine Co., Rochester, N. Y.

## 7866— Brace Head Machines

Bradley, H. C. (For Wood Heads), Bridgeport, Conn.

## 7867— Braiding Machines

Eastwood, Benj. Co., Paterson, N. J.
New England Butt Co., 304 Pearl, Providence, R. I.
Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.
Textile Machine Works, Reading, Pa.
Westlund C. G. Co., 498 Millbury, Worcester, Mass.

## 7868—Braiding Machines (Packing)

Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.

## 7869—Branding Machines (Barrel)

Cleveland Brewers Supply Co. ("Waibel's" Rapid Brander), 1506 W 25th, Cleveland, O.
Eureka Machine Co., Cleveland, O.

## 7870—Brass Sawing Machines

Griswold Geo. M. Machine Co., New Haven, Conn.

## 7871—Brass & Copper Rolling Mill Machinery

Farrel Foundry & Machine Co., Ansonia, Conn.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.
**ROCKWELL W. S. CO.** (Complete Melting & Annealing Equipment; Oil, Coal or Gas Fuel), 50 Church, New York
*See adv index at end of book*
Torrington Mfg. Co., Torrington, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## 7872— Brazing Machines

Clayton & Lambert Mfg. Co. (Bicycle, Motorcycle & Automobile), 1370-80 Beaubien, Detroit, Mich.
Thomson Elec. Welding Co. ("Thomson" Elect for Jewelry Mfg.), Lynn, Mass.

## 7873—Brazing Machines (Band Saw)

Ambler Saw Mfg. Co., Natick, Mass.
American Woodworking Machinery Co., Rochester, N. Y.
Atkins E. C. & Co., Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Black Diamond Saw & Machine Works, Natick, Mass.
Filer & Stowell Co., Milwaukee, Wis.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Rogers Samuel C. & Co., 10 Lock, Buffalo, N. Y.

## 7874—Bread Crumbing Machines

Goodell Co. ("Lee"), Antrim, N. H.

## 7875—Brewers' & Maltsters' Machinery & Supplies

See also Bottlers' Machinery & Supplies; also Ice & Refrigerating Machinery; also Elevating & Conveying Machinery; also Heaters, Feed Water
A. B. & B. Specialty Co., 3300 Fond du Lac av, Milwaukee, Wis.
American Machinery Co., 103 W Water, Milwaukee, Wis.
Aue Ferdinand Co., 401 E 91st, New York
Bishopric Products Co. (Inc.), ("Bishopric's Santa Mastic Pitch", Spring Grove & Este av, Cincinnati, O.
Brewing Appliance Specialty Co. ("Perfection" Tapping Devices), Hartford, Conn.
Cleveland Brewers' Supply Co., 1506 W 25th, Cleveland, O.
Danner Adam Co. (Keg Sprinklers, Keg Conveyors, Power Shaving Washers), Yonkers, N. Y.
Deckebach F. C. Sons Co. (Cooling Apparatus, etc.), 123 W Court, Cincinnati, O.
Dundon's Iron Works, 225 Folsom, San Francisco, Cal.
Eureka Machine Co. (Pitch Spraying Apparatus, etc.), Cleveland, O.
Galland-Henning Mfg. Co., 97 Wisconsin, Milwaukee, Wis.
Girard Iron Works (Cask Rests, Vat Supporters, Hose Passers, etc.), 22d & Master, Phila, Pa.
Golden Gate Mfg. Co. ("Golden Gate" Lager Beer Valves & Racking Apparatus), 9 Desbrosses, New York
Hersey Mfg. Co. (Thermo-Pneumatic Malting Apparatus), 314 W 2d, S Boston, Mass.
Heyman N. H. (Brewers' Key-Scrubbing, Sprinkling Machines, etc), 438 E 59th, New York
Hirsh & Schofield (Brewers' Supplies), 50 Broad, New York

BREWERS' & MALTSTERS' MACHINERY & SUPPLIES—continued
Hoffman-Ahlers Co. (Brewery Kettles, False Bottom, Wash Tubs, Cookers, etc.), 828 E Pearl, Cincinnati, O.
Kaestner & Hecht Co. (Inc.) (Grain Removers, Mashing Machines, Pitching Machines, Malt Mills, etc), 500 Throop, Chicago, Ill.
Keller Robert ("Nonpariel" Stamp Paste & Isinglass, etc.), 334 N 3d, Phila., Pa.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Laubenheimer Geo. E. Co. (Brew Kettles, Beer Coolers, etc.), 17 N La Salle, Chicago, Ill.
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Loew Mfg. Co. ("Loco Magic" Purifier), 9100 Madison av N W, Cleveland, O.
Mark Mfg. Co., Evanston, Ill.
Milwaukee Brewers' Specialty Co. ("Milwaukee" Steaming Tray), 1919 St. Paul av, Milwaukee, Wis.
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.
Olsen & Tilgner Mfg. Co. (Mash Machines, Non-Explosive Malt Mills, Keg & Barrel Scrubbers, Shaving Washers, Filter-Mass Washers, Keg & Barrel Rinsers, etc), 2280 Elston av, Chicago, Ill.
Prinz & Rau Mfg. Co. (Barley Graders & Separators), 659 E Water, Milwaukee, Wis.
Rach Dr. Carl (Cookers, Presses, Caramelizers, etc.), 203 B'way, New York
Rauh Robert (Keg Washers), 310 Elizabeth av, Newark, N. J.
Roos' August Sons (Fire Kettles, Fold Bottoms, Beer Coolers, etc), 429 E 91st, New York
Saladin Pneumatic Malting Construction Co. (Pneumatic Malting Plants), 643 Wellington av, Chicago, Ill.
San Francisco Mill Furnishing Co. (Malt Rolls & Cleaners), 521 7th, San Francisco, Cal.
Seibel-Suessdorf Cooper & Iron Mfg Co. (Barrel Washers, Isinglass Mixers, Beer Coolers, etc), c 2d & Lombard, St. Louis, Mo.
Selg Brewery Apparatus Co. (Fermenters, Washing Apparatus, etc), 1322 No. 5th, Phila., Pa.
Stiefel Geo. Co. (Specialties), 4651 Gross av, Chicago, Ill.
Toepfer W. & Sons Co., 80 Menomonee, Milwaukee, Wis.
Torchianai H., 140 N Dearborn, Chicago, Ill.
20th Century Machinery Co., 425 E Water, Milwaukee, Wis.
Wittemann Bros., 41 Ferris, Brooklyn, N. Y.
Zahm Mfg. Co., 79 E Jewett av, Buffalo, N. Y.
Zobler Otto Mfg. Co. (Kettles, Coolers, etc), 336 N Oakley blvd, Chicago, Ill.

## 7876— Briar Pipe Machinery

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*

## 7877—Brick Cutting Machinery

American Clay Machinery Co. (Automatic), S Walnut, Bucyrus, O.
*See adv index at end of book*
Anderson Foundry & Machine Works, Anderson, Ind.
Bonnot Co. (Rotary Automatic), Canton, Ohio
Brewer H. & Co. (Rotary Automatic), Tecumseh, Mich.
Chambers Bros. Co., 52d below Lancaster av, Phila., Pa.
Fate-Root Heath Co. ("Bensing," Automatic), Plymouth, O.
Freese E. M. & Co., Galion, O.
International Clay Machinery Co., Dayton, Ohio
Marion Machine Foundry & Supply Co. ("Marion"), Marion, Ind.
Steele J. C. & Sons (Automatic), Statesville, N. C.
Wallace Mfg. Co. (Rotary Automatic, End Cutter, etc), Frankfort, Ind.

## 7878—Brick Machinery (Soft Mud)

Anderson Foundry & Machine Works, Anderson, Ind.
BARTLETT C. O. & SNOW CO., Fall st, Cleveland, O.
*See adv index at end of book*
International Clay Machinery Co., Dayton, Ohio
Union Engng. Co., Cuyahoga & W 4th, Cleveland, O.
Wellington Machine Co., Wellington, O.

## Brick Machinery & Supplies

See the Specific Article Required

## 7879—Brick Making Machinery

AMERICAN CLAY MACHINERY CO., S Walnut, Bucyrus, O.
*See adv index at end of book*
Carlin John H. Machine Co., Pittsburgh, Pa.
Jackson & Church Co., Saginaw, Mich.
Leary W. J. Mfg. Co., 411 Rhode Island, Buffalo, N. Y.
Steele J. C. & Sons, R. R. Tracks, Statesville, N. C. *See adv index at end of book*

**J. C. STEELE & SONS**
MANUFACTURERS OF
BRICK MAKING AND CLAY WORKING MACHINERY
STATESVILLE, N. C.

## 7880—Brick Mould Sanding Machines

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Cohoes Iron Foundry & Mach. Co., Cohoes, N. Y. *See adv index at end of book*
Potts C. & A. & Co., Indianapolis, Ind.
Waldron Chas. ("Champion"), Haverstraw, N. Y.
Wellington Machine Co., Wellington, O.

## 7881— Brick Press Machines

Anderson Foundry & Machine Works ("Berg," Dry Press, etc), Anderson, Ind.
Arnold-Creager Co. (Re-press), New London, O.
Bonnot Co. (Stiff), Canton, O.
Brewer H. & Co., Tecumseh, Mich.
Buckeye Engine & Foundry Co., Joliet, Ill.
Carnell Geo. (Est. of) (Fire & Red), 1819 N 5th, Phila., Pa.
Chambers Bros. Co. (Re-pressed, etc), 52d, below Lancaster av, Phila., Pa.
Chicago Brick Machinery Co. ("Elwood"), 20 W Jackson blvd, Chicago, Ill.
Chisholm, Boyd & White Co. ("Boyd," Dry Press), 57th & Wallace, Chicago, Ill.
Clearfield Machine Shops (Fire Brick), Clearfield, Pa.
Eastern Machinery Co. ("New Haven"), New Haven, Conn.
Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
Freese E. M. & Co., Galion, O.
Helm Brick Machine Co. ("Helm" Brick & Block Machines), Cadillac, Mich.
Industrial Supply Co. ("Andrus" Dry), Keokuk, Iowa
International Clay Machinery Co., Dayton, O.
Mueller Machine Co. (Hilmar Mueller, Prop.), Trenton, N. J.
Punxsutawney Foundry & Machine Co. (For Fire Brick), Punxsutawney, Pa.
Reliance Mach. & Tool Works, Channing & Franklin av, St. Louis, Mo.
Simpson Bros. (Fire Brick), Portsmouth, Ohio
Stearns Co. (Sand Lime & Clay), Erie, Pa.
Steele J. C. & Sons, (Represses), Statesville, N. C.
United Iron Works, Inc., Kansas City, Mo.
Wallace Mfg. Co., Frankfort, Ind.
Wellington Machine Co., Wellington, O.
Wenger Geo. Machinery & Supplies Mfg. Co. (Dry Press, Stiff Mud, etc), St. Louis, Mo.
Wiles A. M. & W. H. Co., Grassy Point, N. Y.

## Brick Press Machines (Sand Lime)

See Sand Lime-Brick Machines

## Brick Sanding Machines

See Brick Mould Sanding Machines

## 7882—Brick Setting Machinery

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*

## 7883—Brick Sizing Machines

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*

## 7884—Bridge Machinery for Bascule Bridges

Earle Gear & Machine Co., Stenton & Wyoming avs, Phila., Pa.

## Bridge Operating Machinery

See Draw Bridge Machinery

## 7885—Briquetting Machinery

American Clay Machinery Co. (Ore & Flue Dust), S Walnut, Bucyrus, O.
*See adv index at end of book*
Chisholm, Boyd & White Co., 57th & Wallace, Chicago, Ill.
Elmes Chas. F. Engng. Works, Inc. (Presses), cor. Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
Fernholtz Machy Co. (For Fuel Briquett), 2053 38th, Los Angeles, Cal.
General Briquetting Co. (Coal), 25 Broad, New York
Hydraulic Press Mfg. Co. (Hydraulic), Mount Gilead, O.
*See adv index at end of book*
Malcolmson Briquet Engineering Co. (Coal), Old Colony bldg, Chicago, Ill.
Mashek Engineering Co. (Coal, etc), 90 West, New York
Morgan Engineering Co. (Coal), Alliance, O. *See adv index at end of book*
Olsen Tinius Testing Machine Co. (Moulding Machines), 500 N 12th, Phila., Pa.
Stokes F. J. Machine Co. (Presses & Compressors), 17th & Cambria, Phila., Pa.
Traylor Engineering & Mfg. Co. (Coal, etc.), Allentown, Pa.
*See adv index at end of book*

## 7886— Broaching Machines

Burr John T. & Son, 429 Kent av, Bklyn, N. Y.
Lapointe J. N. Co., New London, Conn.
Lapointe Machine Tool Co. (& Tools), Hudson, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.

## 7887—Bronze Powder Machines

Muench Geo., Stamford, Conn.

## 7888— Bronzing Machines

Fuchs & Lang Mfg. Co., 119 W 40th, N. Y.
Mayer Robt. & Co., 461 8th av, New York
United Printing Machinery Co., 100 Sumner, Boston, Mass.

## 7889—Broom Handle Machinery

Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Kline Lewis T., Alpena, Mich.
Ober Mfg. Co., Chagrin Falls, O.

## 7890— Broom Machinery

See also Sewing Machines, Broom

Cassard Hamilton, Holliday & Pleasant, Baltimore, Md.
Chicago Ferrule & Nut Co. (Supplies), 880 Lill av, Chicago, Ill.
Des Moines Broom Co. (Trimming Machines), Des Moines, Ia.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Liebig Wm. & Co., 96 Leland, Detroit, Mich.
Walrath Alphonse Co., Fort Plain, N. Y.

## 7891—Brush Machinery & Tools

Duffy John J., Waterford, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Liebig Wm. & Co., 96 Leland, Detroit, Mich.
Pickering Mfg. Co., 228 S 4th, Phila., Pa.

## 7892— Buckle Machinery

Baird Machine Co. (Wire, Automatic), Bridgeport, Conn.
Home Light Co. of America ("Holico Inc" for Signs), 1955 Park av, New York
Manville E. J. Machine Co., Waterbury, Conn.
Nilson A. H. Machine Co. (Automatic), Bridgeport, Conn.
Special Machinery Co. (Automatic Buckle Wire), Bridgeport, Conn.

## 7893—Buckle Tongue Machines Automatic)

Nilson A. H. Machine Co., Bridgeport, Conn.

## 7894—Buckwheat Machinery

Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Howes S. Co. (Polishers, Hullers & Cleaners), Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Polishers, Hullers, Cleaners), Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Wolf Co. (Shucking Machines, etc.), Chambersburg, Pa.

## 7895—Buffing Machines (Enameled Brick)

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*

## 7896—Buffing Machines (Shoe)

Donnelly Machine Co. ("Gilmore"), Brockton, Mass.
Naumkeag Buffing Machine Co., Beverly, Mass.

## Buffing & Polishing Machines

See Lathes, Buffing & Polishing

## Building Block Machinery

See Clay Building Block Machinery; also Concrete Building Block Machinery

## 7897—Bulldozer or Bending Machines

See also Forging Machines
Ajax Mfg. Co., 3930 Lakeside av, Cleveland, O.
Garrison A. Foundry Co., 901 Bingham Pittsburgh, Pa.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
*See adv index at end of book*
Lourie Mfg. Co., Springfield, Ill.
Rock River Machine Co. ("Badger" Bulldozers), Janeaville, Wis.
WATSON-STILLMAN CO. (Hydraulic Bulldozer), 38 Church, New York
*See adv index at end of book*
Williams, White & Co., Moline, Ill.

## 7898— Bundling Machines

Pakanship Co., Inc., 375 Fulton, Brooklyn, N. Y.
Standard Wiring Machine Co., 363 Flushing av, Brooklyn, N. Y.

## 7899-900—Bung Boring Machines

See also Borers, Bung Hole
Holmes E. & B. Machinery Co. ("Holmes" Boring & Bush Setting), Buffalo, N. Y.
Oram John S. Co., 1316 E. 53d, Cleveland, O.

## Bung Branding Machines

See Branding Machines, Barrel

## 7901— Burnishing Machines

See also Polishing Machines
ABBOTT BALL CO., ("Abbott"), Elmwood Station, Hartford, Conn.
*See adv index at end of book*
American Laundry Machinery Co. (Silverware), Cincinnati, O.
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
Baird Machine Co., Bridgeport, Conn.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
No-Dust Drying Machine Co. ("No-Dust"), 157 Dorrance, Providence, R. I.
Smith, Richardson Co. ("Imperial"), Attleboro, Mass.
Tahara Co. ("Tahara" Silver), Glenwood & N. Amer., Phila., Pa.

## 7902— Bushing Machines

Pottstown Machine Co. (Automatic, for Bushings & Plugs), Pottstown, Pa.

## 7903—Butchers' Machinery & Supplies

See also Specific Article Desired
Adt John B. Co. (Fat Cutting Devices), 340 No Holliday, Baltimore, Md.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Chatillon Jno. & Sons, 85 Cliff, New York
Christy Knife Co. (Family Cleaners), Fremont, O.
Cincinnati Butchers' Supply Co., 2008 Central av, Cincinnati, O.
Daemicke Paul J. Co., 321 W South Water, Chicago, Ill.
Farwell Ozmun Kirk & Co., St. Paul, Minn.
Fay J. A. & Egan Co., Cincinnati, O.
Gloekler Bernard Co., 1127 Penn av, Pittsburgh, Pa.
Murray Iron Works Co., Burlington, Ia.
Northey Mfg. Co., Waterloo, Ia.
O'Brien Jas. H. Scale & Supply Co., 313 Ellery, Brooklyn, N. Y.
Probeck P. J. Co., 2339 E 4th, Cleveland, O.
Schmidt C. Co., Livingston & John, Cincinnati, O.
Schwenger-Klein Co., 515 Woodland av, Cleveland, O.
Silver Mfg. Co. (& Supplies, Lard Presses & Ham Pumps, "Wagner" Sausage Stuffers, etc), 256 Salem, O.
Smith H. B. Machine Co., Smithville, N. J.
Smith's John E. Sons Co. (Meat Choppers, Steam Kettles, Lard Mixers, etc.), Buffalo, N. Y.
Stevens Benj. A. Co., Toledo, O.
U. S. Sanitary Effluents Separating Apparatus (Grease Separators for Meat Packers), 35 Nassau, New York
Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.

## 7904—Butchers' Saw Punching Machines

Nichols Bros. (Saw Punchers), Greenfield, Mass.

## 7905-6—Butchers' Skewer Machinery

Fay J. A. & Egan Co., Cincinnati, O.
Smith H. B. Machine Co., Smithville, N. J.

## 7907—Butter Dish Machinery

Defiance Machine Works, Defiance, O.
Saranac Machine Co. (Automatic & Stapling Machinery), Benton Harbor, Mich.
Titus E. E., Petersburg, Va.

## 7908—Butter Printing & Cutting Machines

American Butter Cutting Machine Co. ("Stewart"), Elmsford, N. Y.
Burrell D. H. & Co. ("American" "Standard" & "Friday"), Little Falls, N. Y.
Butter Serving Machine Co., Inc. (Butter Cutter & Server), 89 Allen, Rochester, N. Y.
Cleveland Faucet Co. ("Elgin" Butter Cutter), 1205 E. 55th, Cleveland, O.
Glidden Mfg. Co. (Automatic Individual Butter Cutter), Beverly, Mass.
Peters Machinery Co., 209 S La Salle, Chicago, Ill.

## Butter Tub Machinery

See Tub & Pail Machinery

## 7909— Button Machinery

Barry Co., Muscatine, Ia.
Cruver Mfg. Co., 2460 Jackson blvd, Chicago, Ill.
Defiance Button Machine Co. (Button Covering), 43 W 24th, New York
Draher John, Waterbury, Conn.
Grimes & Harris (Horn), Leominster, Mass.
Illinois Modern Button & Machine Co., 2407 W Ohio, Chicago, Ill.
MacCordy Button Machine Co., Amsterdam, N. Y.
Markels Leonard, 165 William, New York
Russell Jno. W. & Sons Co., Springfield, Mass.
Toledo Button Machine Co. (Button Fastening), 3440 Summit av, Toledo, O.
Waterbury Button Corporation (Button Covering), 831 S Main, Waterbury, Conn. *See adv index at end of book*
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Wendtland Wm., 51 Mercer, New York

## 7910— Buttonhole Machines

Champion Button-Hole Machine Co., 641 Atlantic av, Boston, Mass.
Lufkin John W. & R. H., 38 Chardon, Boston, Mass.
Reece Buttonhole Machine Co., 502 Harrison av, Boston, Mass.
Singer Sewing Machine Co., 149 Broadway, New York
Standard Sewing Machine Co., 6402 Cedar av S E, Cleveland, Ohio
United Shoe Machinery Co. ("U. S. M. C."), Boston, Mass.

## 7911—Cabbage Machinery (Canners')

Chain Belt Co., Milwaukee, Wis.
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 7912— Cabbaging Machines

Famous Mfg. Co. (Hand for Brass Fdrs., etc.), East Chicago, Ind.

## Cable Covering Machines

See Wire & Cable Covering Machinery

## 7913— *Cable Haulage Machinery

See also Engines, Haulage
LIDGERWOOD MFG. CO., 96 Liberty, New York *See adv index at end of book*

## 7914—Cabling & Armoring Machines

New England Butt Co., 304 Pearl, Providence, R. I.
Torrington Mfg. Co., Torrington, Conn.
Watson Machine Co., Paterson, N. J.

## Calcined Plaster Machinery

See Gypsum Machinery

## 7915— Calculating Machines

See also Adding Machines
Bishop Calculating Recorder Co., 233 Broadway, New York
Calculator Corp. (Rapid), Grand Rapids, Mich.
Carlin Calculator Co., Chicago, Ill.
Cluley Multiplier Co., Green Bay, Wis.
Ensign Mfg. Co. (Electric), 19 Brook, Fanueili, Boston, Mass.
Fromm G. A. Radiation Calculators, 85 Hawthorn, B'klyn, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Marchant Calculating Machine Co. ("Marchant"), Oakland, Cal.; Eastern sales office, 237 Railway Exchange bldg, Chicago, Ill.
Mechanical Accountant Co., 17 Warren, Providence, R. I.

CALCULATING MACHINE—continued

Meilicke Calculator Co., 350 N Clark, Chicago. Ill.
*See adv index at end of book*

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Dept. H.
350 N. Clark St. Chicago

Monroe Calculating Machine Co., So. Orange, N. J.
Morschhauser W. A. ("Millionaire"), 1 Madison av, New York
Mulles Oscar Co., 32 B'way, New York
Reuter Carl H. ("Reuter," "Brunsviga" Multiplying & Dividing), Land Title bldg, Phila., Pa.
Triumphator Calculating Machine Co. ("Triumphator" Imp), 81 New, New York
Underwood Typewriter Co., 36 Vesey, New York

## 7916— Calendering Machines

Birmingham Iron Foundry (Board), Derby, Conn.
Black-Clawson Co., Hamilton, O.
Curtis & Marble Machine Co., Worcester, Mass.
Downington Mfg. Co., East Downington, Pa.
Farrel Foundry & Machine Co., Ansonia, Conn.
Holyoke Machine Co. (Breaker, Friction, Web, etc), Holyoke, Mass.
Kilburn, Lincoln Machine Co., Fall River, Mass.
Lindner & Vradenburgh, 239 Centre, New York
Lobdell Car Wheel Co. (For Rubber, Paper & Fibre), Wilmington, Del.
Norwood Engineering Co. (Breaker, Friction Web, Glassine, Sheet & Platers), Florence, Mass.
Poole Engineering & Machine Co. (For Cotton Duck), Woodberry Sta., Baltimore, Md.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Terhune J. I. Machine Works, Paterson, N. J.
Textile Finishing Machinery Co. (Pressure & Friction), 171 Westminister, Providence, R. I.
Waldron John Co. (For Paper Mills), New Brunswick, N. J.

## 7917— Calipering Machines

Rogers Jno. M. Works, Gloucester City, N. J.

## 7918— Calking Machines

Erie Toe Calk Machine Co., Erie, Pa.
L. S. P. Calking Machine Co. (For Horseshoers), Wyalusing, Pa.

## 7919—Cam Cutting Machines

Erie Toe Calk Machine Co. ("Erie Heel"), Erie, Pa.
Fay Machine Tool Co. ("Fay" Automatic), 2d & Glenwood av, Phila., Pa.
Garvin Machine Co., 147 Varick, New York
Rowbottom Machine Co. ("Rowbottom Universal), Waterville, Conn.
Standard Machinery Co., Providence, R. I.

## 7920— Cambering Machines

Mackintosh-Hemphill Co. (For Rails), ft. of 12th, Pittsburgh, Pa.

## 7921—Can Beading Machines

See also Crimping & Beading Machines
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**BLISS E. W. & CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Premier Machinery Co., Oakland, Cal.
Slaysman & Co., 801 E. Pratt, Baltimore, Md.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.

## 7922—Can Beading & Flanging Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

## 7923—Can Body Forming Machines

Adriance Mach. Works, 80 Richards, Brooklyn, N. Y.
**AMERICAN CAN CO.** (Machinery Department), Monroe bldg, Chicago, Ill.
*See adv index at end of book*
Ams Max Machine Co. ("Ams"), 101 Park av, New York
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
McDonald Machine Co. (Automatic), 3207 Shields av, Chicago, Ill.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stecher Chas. Co. (Automatic Lock, Steam, etc), 1580 Crossing, Chicago, Ill.
Stevenson & Co., 607 S Caroline, Baltimore, Md.

## 7924— Can Boxing Machines

Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.

## 7925—Can Burnishing Machines

Premier Machinery Co., Oakland, Cal.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

## 7926—Can Capping Machines

Adriance Machine Wks., 80 Richards, Brooklyn, N. Y.
Allbright-Neil Co. (Six Spindles for Packers, etc), 5315 Western av, Chicago, Ill.
**AMERICAN CAN CO.** (Mach'y Dept.), Monroe bldg, Chicago, Ill.
*See adv index at end of book*
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
Ayars Machine Co. (Hand & Power), Salem, N. J.
Brecht Co. (For Meat Packers), 1201 Cass av, St. Louis, Mo.
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Jones John T. Sons, 734 E Lombard, Baltimore, Md.
Premier Machinery Co., Oakland, Cal.
Robins A. K. & Co. (Hand), 116 Market Place, Baltimore, Md.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.
Stecher Chas. Co. (Automatic Lock, Steam, etc), 1580 Crossing, Chicago, Ill.
Steward L. & J. A. (Power), Rutland, Vt.
Vance & Baker Mfg. Co., Muscatine, Ia.

## 7927—Can Cleaning & Washing Machines

Koven L. O. & Bros., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Premier Machinery Co., Oakland, Cal.
San Diego Machine Co., San Diego, Cal.
Seattle-Astoria Iron W'ks (For Salmon Canneries, etc.), Seattle, Wash.

## 7928— Can Closing Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
**AMERICAN CAN CO.** (Machy Dept.), (For Friction Top Cans), Monroe bldg, Chicago, Ill.
*See adv index at end of book*
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
Continental Can Co., Syracuse, N. Y.
Premier Machinery Co., Oakland, Cal.
Sanitary Can Co., 120 B'way, New York
Seattle-Astoria Iron W'ks (For Sanitary Cans), Seattle, Wash.
Stecher Chas. Co. (Sanitary), 1580 Crossing, Chicago, Ill.
Westchester Mach. Co., Mt. Vernon, N. Y.

## 7929—Can Crimping Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Brecht Co., 1201 Cass av, St. Louis, Mo.
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Lewis E. J., Middleport, N. Y.
Premier Machinery Co., Oakland, Cal.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
Westchester Mach. Co., Mt. Vernon, N. Y.

## Can Earing Machines

See Soldering or Fusing Machines, Ear.

## 7930— Can Filling Machines

Ayars Machine Co. ("King" or "Stevens" for Tomatoes, Peas, etc), Salem, N. J.
Berger & Carter Co. (Owners of Pacific Tool & Supply Co.), 365 Market, San Francisco, Cal.
Buffalo Can & Bottle Filling Mach. Co., 61 Terrace, Buffalo, N. Y.
Day J. H. Co., Cincinnati, O.
Fulton Engine Wks., 1000 Alhambra, Los Angeles, Cal.
Huntley Mfg. Co. ("Monitor" for String Beans, Apples, Vegetables, etc.), Silver Creek, N. Y.
Johnson Paul S., 1906 E 93d, Cleveland, O.
Kiefer, Karl Machine Co. ("Visco"), 919 Martin, Cincinnati, O.
McKenna Brass & Mfg. Co., 1st av & Ross, Pittsburgh, Pa.
Phelps Can Co. (Vent Hole Filling Machines), Key Highway & Lawrence, Baltimore, Md.
Premier Machinery Co., Oakland, Cal.
Pneumatic Scale Corp., Norfolk Downs, Mass.
Rice & Adams (Milk), Buffalo, N, Y.
Robins A. K. & Co. (Tomato, etc), 116 Market place, Baltimore, Md.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
San Diego Machine Co., San Diego, Cal.
Seattle-Astoria Iron Works, ("Jensen's" for Salmon Canneries), Seattle, Wash.
Sinclair-Scott Co. (Pea Filler), Wells & Patapsco, Baltimore, Md.
Sprague Canning Machinery Co. ("Moore & Bristol's," "Colbert," "Jersey Queen," "Stevens' King," for Filling Meats, Soups, Syrups, Milk, Fruits, Vegetables, etc.), 222 N Wabash av, Chicago, Ill.
Stickney Henry R (For Evaporated Cream, Baked Beans, Fats, Oils, Mustard, etc), Portland, Me.
U. S. Bottlers' Machy. Co. ("Perfection" Multiple), 2511 Park, Chicago, Ill.

## 7931— Can Heading Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
**AMS MAX MACHINE CO.** ("Ams" Automatic Double Seamless), 101 Park av, New York
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cameron Can Machinery Co., 240 N Ashland av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
Westchester Mach. Co., Mt. Vernon, N. Y.

## Can Labeling Machines

See Labeling Machines.

## 7932—Can Lacquering Machines

Burt Machine Co., 403 E Oliver, Baltimore, Md.
Premier Machinery Co., Oakland, Cal.
Seattle-Astoria Iron Works, Seattle, Wash.
Seeley Bros. ("Hughlett"), Blaine, Wash.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 7933— Can Lining Machines

**AMS MAX MACHINE CO.** ("Ams" Adjustable, Round, Square, Covers, etc), 101 Park av, New York
Premier Machinery Co., Oakland, Cal.

## 7934—Can Lock & Lap Seaming Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
**AMS MAX MACHINE CO.** ("Ams" Automatic Double Seamless), 101 Park av, New York
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cameron Can Machinery Co. (Sanitary with Soldering Attachments, etc.), 240 Nashland av, Chicago, Ill.
McDonald Machine Co. (Automatic Lock Seam), 3207 Shields av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

## 7935— Can Makers' Machinery

See also Specific Article Required.

Adriance Machine Works (Soldering & Sanitary), 80 Richards, Brooklyn, New
**AMERICAN CAN CO.** (Mach'y Dept.), Monroe bldg, Chicago, Ill.
*See adv index at end of book*
American Key Can Co. (For Key Opening Cans), 140 S Dearborn, Chicago, Ill.
**AMS MAX MACHINE CO.** ("Ams" Air Tight Seam Without Solder or Acid, etc.), 101 Park av, New York
Angelus Sanitary Can Mach. Co., 288 S Fernando blvd, Los Angeles, Cal.
Ayars Machine Co., Salem, N. J.
Berger & Carter Co. (Owners of Pacific Tool & Supply Co., 365 Market, San Francisco, Cal.
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Brecht Co., 1201 Cass av, St. Louis, Mo.
Cameron Can Machinery Co. ("Cameron" Automatic Lockseamer, Threader, etc.), 240 Nashland av, Chicago, Ill.
Consolidated Press Co., 26 S Jefferson, Chicago, Ill.
Ferracute Machine Co., Bridgeton, N. J.
Kruse Mfg. Co., 109 S 5th, Brooklyn, N. Y.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Premier Machinery Co., Oakland, Cal.
San Diego Machine Co., San Diego, Cal.
Seattle-Astoria Iron Works ("E. K. & M." Can Body Making & Soldering), Seattle, Wash.
Slaysman & Co. (Automatic), 801 E Pratt, Baltimore, Md.
Stecher Chas. Co. ("Automatic"), 1580 Crossing, Chicago, Ill.
Stevenson & Co., 607 S Caroline, Baltimore, Md.
Stoll D. H. Co., Buffalo, N. Y.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Westchester Mach. Co., Mt. Vernon, N. Y.

## 7936—Can Marking Machines

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 7937—Can Polishing Machines

Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.
Stoll D. H. Co., Buffalo, N. Y.

## 7938—Can Righting Machines

Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 7939— Can Salting Machines

Goodfellow G. P. ("Goodfellow's"), Blaine, Wash.
Premier Machinery Co., Oakland, Cal.
San Diego Machine Co., San Diego, Cal.
Seattle-Astoria Iron Works (Automatic), Seattle, Wash.

## 7940—Can Scoring Machines

Ams Max Machine Co. ("Ams" Adjustable Power), Bridgeport, Conn.
Premier Machinery Co., Oakland, Cal.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
Stoll D. H. Co., Buffalo, N. Y.

## 7941—Can Seaming Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
**AMS MAX MACHINE CO.** ("Ams" Automatic Double Seamer), 101 Park av, New York
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cameron Can Machinery Co. (Automatic Double Seamer), 240 N Ashland av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Slaysman & Co. (Automatic Side Seam Locking Machines), 801 E Pratt, Baltimore, Md.

## 7942— Can Slitting Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Premier Machinery Co., Oakland, Cal.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stoll D. H. Co., Buffalo, N. Y.

## 7943—Can Soldering Machines

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Allbright-Neil Co. (Vacuum Sealing), 5315 Western av, Chicago, Ill.
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cameron Can Machine Co. (Automatic & Single Floating Machine), 240 N Ashland av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

## 7944—Can Stamping Machines (Automatic)

Premier Machinery Co., Oakland, Cal.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stoll D. H. Co., Buffalo, N. Y.

## 7945—Can Sterilizing Machines

Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 7946— Can Stuffing Machines

Allbright-Neil Co., 5315 Western av, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
San Diego Machine Co., San Diego, Cal.

## Can Testing Machines

See Testing Machines, Can

## 7947— Can Tipping Machines

Chicago Solder Co. (High Speed Auto-Tripper), 218 N Union av, Chicago, Ill.
Fulton Engine Wks, 1000 Alhambra, Los Angeles, Cal.
Premier Machinery Co., Oakland, Cal.

## 7948—Can Top Folding Machines

**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 7949—Can Weighing Machines

Premier Machinery Co., Oakland, Cal.
Seely Bros. (Automatic), Blaine, Wash.
Smith Cannery Machine Co. (Automatic), Seattle, Wash.

## 7950—Can Wiping Machines

Ayars Machine Co., Salem, N. J.
Morral Bros., Morral, O.
Premier Machinery Co., Oakland, Cal.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 7951—Can Wrapping Machines

Burt Machine Co., 403 E Oliver, Baltimore, Md.
Premier Machinery Co., Oakland, Cal.

## 7952—Can & Jar Washing Machines

Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 7953— Cancelling Machines

American Perforator Co. (Check & Cigar Stamp Hand, Foot & Motor Driven), 621 W Jackson blvd, Chicago, Ill.
Bright H. V. (For Ticket Chopper), 1104 Prospect, Cleveland, O.
Columbia Postal Supply Co., Silver Creek, N. Y.
Cummins Perforator Co. (Plain & Dating, etc.), 4740 W Ravenswood av, Chicago, Ill.
Moise-Klinker Co., 369 Market, San Francisco, Cal.

## 7954-5— Candle Machinery

Brewer Wm. W., Troy, N. Y.
Brown & Patterson, 33 Marcy av, Brooklyn, N. Y.
Homan & Co. (Molds, etc), Cincinnati, O.
Houchin-Aiken Co., 113 53d, Brooklyn, N. Y.

## Candy Machinery

See Confectioners' Machinery

## Candy Vending Machines

See Vending Machines

## 7956—Cane-Seat Chair Machinery

See also Chair Machinery

Goodspeed Machine Co. (Chair Seat Grooving Machinery), Winchendon, Mass.
Purdy Chester Co. (Also Wood Seat), Ghent, O.
Scow Bay Iron & Brass Works, Astoria, Ore.

## 7957— Cane Sugar Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Bartlett-Hayward Co., Scott & McHenry, Baltimore, Md.
Dyer Co., 2031 Euclid av, Cleveland, O.
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, Ohio.
*See adv index at end of book*
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo.
*See adv index at end of book*
**HOOVEN, OWENS, RENTSCHLER CO.** ("Hamilton Pratt"), Hamilton, O.
*See adv index at end of book*
Joubert & Goslin Mach. & Fdry. Co. (Refining), Birmingham, Ala.
Krajewski-Pesant Corp., 50 Broad, New York
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Huuting Park av & P. & R. Ry., Philadelphia, Pa.
*See adv index at end of book*
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
O'Neil Iron Wks., 268 Perry, Buffalo, N. Y.
Premier Machinery Co., Oakland, Cal.
Sugar Machinery Co., Higgins bldg., Los Angeles, Cal.
Turl Iron & Car Co., Inc. (The), 50 Broad, New York. Works: Newburgh, N. Y.
Von Phil Gilbert D, Hibernia Bang bldg, New Orleans, La.

## 7957a—*Cane Sugar Conveying Machinery

**FULTON IRON WORKS CO.,** St. Louis, Mo.
*See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O.
*See adv index at end of book*

## 7958—Canners' Fruit Washing & Scalding Machines

Premier Machinery Co., Oakland, Cal.
Vance & Baker Mfg. Co. ("Grasshopper"), Muscatine, Ia.

## 7959—Canners' Viner Feeding Machines

Ferrell A. T. & Co. ("Giant" Roller Bearing), Saginaw, Mich.
Hamachek Frank ("Ideal" Viner Feeders, for Pea Canners), Kewaunee, Wis.
Premier Machinery Co., Oakland, Cal.

## 7960— Canning Machinery

**AMS MAX MACHINE CO.** (For Making & Sealing Sanitary Tin Cans), 101 Park av, New York
**Anderson-Barngrover Mfg. Co., San Jose, Cal.**
Ayars Machine Co., Salem, N. J.
Berger & Carter Co. (Owners of Pacific Tool & Supply Co.) ("Perfection" & Food Preserving), 365 Market, San Francisco, Cal.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Burpee & Letson (Ltd.) (Salmon), Bellingham, Wash.
Burt Machine Co., 403 E Oliver, Baltimore, Md.
Chicago Solder Co., 218 N Union av, Chicago, Ill.
Climax Machinery Co., Indianapolis, Ind.
Conant R. O. Co., Portland, Me.
Ferrell A. T. & Co., Saginaw, Mich.
Huntley Mfg. Co. ("Monitor" Cleaners, Graders, Washers, Scalers, Blanchers, Fillers, Elevators, Pitters, Huskers), Silver Creek, N. Y.
Jones John T. Sons, 734 E Lombard, Baltimore, Md.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
Lang E. M. Co. (Soldering Machines, Capping Irons, Solder, Presses, etc), Portland, Me.
Lewis E. J., Middleport, N. Y.
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
McDonald Machine Co., 3207 Shields av, Chicago, Ill.
Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.
Morral Bros. (Corn Cutter, Silk Brushing Cooker Filler, etc), Morral, O.
Peerless Husker Co., 523 Cornwall av, Buffalo, N. Y.
Premier Machinery Co., Oakland, Cal.
Renneburg Edw. & Sons Co., 2639 Boston, Baltimore, Md.
Robins A. K. & Co., 116 Market pl, Baltimore, Md.
Seattle-Astoria Iron Works, Seattle, Wash.
Seely Bros., Blaine, Wash.
Sinclair-Scott Co., Wells & Patapsco, Baltimore, Md.
Sprague Canning Machinery Co. (Tomato), 222 N Wabash av, Chicago, Ill.
Sprague Foundry & Mfg. Co., Council Bluffs, Iowa
**Stickney Henry R. (Filling & Syruping, etc), Portland, Me.**
Thompson Mfg. Co., Lancaster, N. H.
Vance & Baker Mfg. Co., Muscatine, Ia.
Westchester Mach. Co., Mt. Vernon, N. Y.
**Zastrow Geo. W., 1410 Thames, Baltimore, Md.**

## 7961-2—Cant Hook Handle Machinery

**Defiance Machine Works, Defiance, O.**

## 7963—Canvas Glove Machinery

**Keagy & Lear Machine Co., Coshocton, O.**

## 7964— Capping Machines

**Dicke Tool Co., Downers Grove, Ill.**
**Lang E. M. Co., Portland, Me.**
Premier Machinery Co., Oakland, Cal.
Steward L. & J. A., Rutland, Vt.

## 7965— Capsule Machines

Colton Arthur Co., 782 E Jefferson, Detroit, Mich.
**Mulford H. K. Co., 428 S 13th, Phila., Pa.**
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.

## 7966— Car-Boring Machines

American Wood Working Machinery Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
**Power L. & Co., 22 S 23d, Phila., Pa.**

## 7967—*Car Dumping Machinery

See also Dumpers, Car

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*

## 7967a— Car Shop Machines

Woods S. A. Machine Co., 27 Damrell, Boston, Mass.

## 7968—Car Spring Coiling Machines

See also Spring Coiling Machines; also Wire Spring Coiling Machines

Coulter & McKenzie Machine Co., Bridgeport, Conn.

## Car Wheel Molding Machines

See Molding Machines, Foundry

## 7969—Car & Carriage Spring Machinery

Coulter & McKenzie Machine Co. (Car), Bridgeport, Conn.
Evans Jno. Sons, 506 N 13th, Phila., Pa.
L & W Spring Co., 210 Center, New York

## 7970—Carbon Cutting Machines

Lundin Electric & Machine Co. (Electrical, with Switch), 10 Thatcher, Boston, Mass.

## 7971-2— Carbon Machinery

Baker's Sons J. & Perkins Co., Inc. (Mixers), White Plains, N. Y.
Brown A. & F. Co., 79 Barclay, New York

## 7973-4—Carbonating Machinery

Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Liquid Carbonic Co., 3100 S Kedzie av, Chicago, Ill.
Magnus A. Sons Co., 327 W Randolph, Chicago, Ill.
Taber Pump Co., Buffalo, N. Y.

## Cardboard Slitting Machines

See Paper Slitting Machines

## 7975—Card Cutting Machines

See also Card Cutting Machines, Textile
Beck Chas Machine Co., 97 Chestnut, Phila, Pa. *See adv index at end of book*
**BLISS E. W. CO.** (Playing Cards), 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Dietz Machine Works (Rotary for Index, Business, etc), 126 Fontain, Phila., Pa.
Golding Mfg. Co., Franklin, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jacques Jno. & Son, Worcester, Mass.
Marshall Son & Co. ("Superior" Hand Card Cutter), 226 Purchase, Boston, Mass.
Otten Bros. Co., 24 Richmond, Detroit, Mich.
Robinson Jno. T. Co., Hyde Park, Mass.

## 7976—Cargo Transferring Machinery (Marine Transfer)

American Hoist & Derrick Co., St. Paul, Minn.
**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*

## 7977—Carpet Cleaning Machinery

Chief Mfg. Co., Indianapolis, Ind.
Cleveland Laundry Machinery Mfg. Co., **5184 Fowler av S E, Cleveland, O.**
Giant Mfg. Co., Council Bluffs, Ia.
Reed Mfg. Co. (Carpet Cleaning Wheels), Springfield, O.

## 7978—Carriage Builders' Machinery

See also Hub, Spoke & Rim Machinery

Abbott & Co. (Hub Bored), Hudson, Mich.
American Woodworking Mach'y Co., Rochester, N. Y.
**Bicknell Mfg. & Supply Co. (Felloe Rounders), Janesville, Wis.**
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
**Kane & Roach, Syracuse, N. Y.**
Williams, White & Co., Moline, Ill.

## Carriage Spring Machinery

See Car & Carriage Spring Machinery

## 7979—Carton Sealing Machines

American Carton Sealing Machine Co., 1060 W Harrison, Chicago, Ill.
American Machinery Co. ("Philadelphia"), 330 N 12th, Phila., Pa.
Automatic Weighing Mach. Co., 138 Commerce, Newark, N. J.
Sharp L. C. Mfg. Co. (Soap Powder), Plattsmouth, Neb

## 7980— Cartridge Machinery

East Iron & Machine Co., 351 E Market, Lima, O.
Manville E. J. Machine Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

## Carving Machines

See Wood Carving Machines

## 7981-2—Carving Machines (Corner Block)

Fay J. A. & Egan Co., Cincinnati, O.

## 7983—Case Hardening Machines

See also Furnaces, Annealing & Case Hardening
American Gas Furnace Co., 24 John, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 7984-5—Case Smoothing Machines

Hickok W. O. Mfg. Co. (For Bookbinders), Harrisburg, Pa.

## 7986—Cast Iron Pipe Cutting Machines

Smith A. P. Mfg. Co. ("French"), East Orange, N. J.

## Casting Machines

See Molding Machines, Foundry

## 7986a— Castor Oil Machinery

**Buckeye Iron & Brass Works, Dayton, O.**
Hydraulic Press Mfg. Co. (Presses), Mt. Gilead, O.
Platt Iron Wks. Co., Dayton, O.

## 7987-8— Catsup Machines

Sinclair-Scott Co. (Tomato Pulp Finishers), Wells & Patapsco, Baltimore, Md.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## Ceiling Machinery

See Sheet Metal Workers' Machines, etc.

## 7989— Celluloid Machinery

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.

**BURROUGHS CHARLES COMPANY** (All Machinery for a Complete Plant), Newark, N. J.
*See adv index at end of book*
Cook F. H. & Co., Leominster, Mass.
Farrel Foundry & Machine Co., Ansonia, Conn.

## 7990—Cement Brick Machines

See also Concrete Building Block Machinery
American Cement Machine Co., Keokuk, Ia.
Besser Mfg. Co., Alpena, Mich.
Buckeye Engine & Foundry Co., Joliet, Ill.
Colgan Machinery & Supply Co., Columbus, O.
Francis Machinery Co., St. Louis, Mo.
Helm Brick Machine Co. (Concrete),, Cadillac, Mich.
Internat. Brick Mach. Co., Binghamton, N. Y.
La Grange Machine & Repair Co. ("Little Giant"), La Grange, Ind.
Moore Plow & Implement Co., Greenville, Mich.
Northwestern Steel & Iron Works ("Northwestern" Tin Brick), Eau Claire, Wis.
Peerless Brick Machine Co. ("Pearless"), 1234 Central av, Minneapolis, Minn.
Starch Bros. Co. ("Leader"), La Crosse, Wis.

## Cement Burial Vault Machinery

See Molds, Concrete

## Cement Drain Tile Machines

See Cement Sewer Pipe Machinery

## 7991— Cement Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O.
*See adv index at end of book*
Bethlehem Foundry & Mach. Co., South Bethlehem, Pa.
Bonnot Co., Canton, O.
Burrell Mfg. Co., Bradley, Ill.
Century Cement Machine Co., Rochester, N. Y.
Chalmers & Williams (Inc.), 1925 Commercial Nat'l Bank bldg, Chicago, Ill.
Dunning W. D., Syracuse, N. Y.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.
**FULLER-LEHIGH CO.**, Fullerton, Pa.
*See adv index at end of book*
Great Western Mfg. Co., Leavenworth, Kan.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**KENNEDY VAN SAUN MFG. & ENG. CORP. (For Cement Plants), 120 Broadway, New York**
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Mashek Engineering Co., 90 West, New York
Mosser W. F. & Son (Rotary Crushers), Allentown, Pa.
Prosser Thos. & Son (Imp.), 15 Gold, New York
Quintard Iron Works Co., 742 E 12th, New York
Reeves Bros. Co., The (For Wet or Dry Process), Alliance, O.
*See adv index at end of book*
Republic Iron Wks., Tecumseh, Mich.
Sackett A. J., Cor 4th av & 1st, Baltimore, Md.
Smidth F. L. & Co., 50 Church, New York
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
Sturtevant Mill Co., Clayton & Park, Dorchester, Boston, Mass.
Treadwell Construction Co. (For Wet or Dry Process), Midland, Pa.
Union Engineering Co., Cuyahoga & W 4th, Cleveland, O.
United Iron Works, Inc. (Cooling Towers, Slurry Tanks, Pug Mills, Sacking Machines, etc.), Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
**WEBSTER MFG. CO.** (Elevating & Conveying), 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## Cement Moulding Machines

See Concrete Building Block Machinery

## Cement Porch Column Machinery

See Molds, Concrete

## 7992—Cement Post Machinery

See also Molds, Concrete
American Cement Machine Co., Keokuk, Iowa
Cement Machinery Co. ("Universal"), Jackson, Mich.
Francis Machinery Co., St. Louis, Mo.
Northwestern Steel & Iron Works, Eau Claire, Wis.

## Cement Roofing Tile Machinery

See Cement Shingle Machinery

## 7993—Cement Sacking Machines

See also Cement Machinery
United Iron Works, Inc., Kansas City, Mo.

## 7994—Cement Sewer Pipe Machinery

Besser Mfg. Co. (Hand & Power Machines for Drain Tile & Sewer Pipe), Alpena, Mich.
Cement Machinery Co., Jackson, Mich.
Concrete Machy. & Supply Co. ("Brubakers"), 2014 Sante Fe av, Los Angeles, Cal.
Concrete Stone & Sand Co. ("Pauly"), Youngstown, O.
Farmers' Cement Tile Machine Co. ("Ideal" Drain Tile Machines), St. Johns, Mich.
Lansing Co., Lansing, Mich.
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Quinn Wire & Iron Works ("National" Automatic for Large Cement Tile), Boone, Ia.
Raber & Lang Mfg. Co. ("Crescent" Molds for Drain Tile), Kendallville, Ind.

## 7995—Cement Shingle Machinery

Janesville Cement Co., Janesville, Wis.
Leavitt Mfg. Co., Urbana, Ill.

## 7996—Cement Weighing Machines (Automatic)

Richardson Scale Co., Passaic, N. J.

## 7997— Centering Machines

Binghamton Machine Works, Binghamton, N. Y.
Hendey Machine Co. ("Hendey," Single & Double Ended), Torrington, Conn.
Herbert Alfred Ltd., 54 Dey, New York.
*See adv index at end of book*
Hurlbut-Rogers Machinery Co., South Sudbury, Mass.
Phoenix Mfg. Co., Hartford, Conn.
Pratt & Whitney Co., Hartford, Conn.
Rockford Drilling Machine Co. (Shaft), Rockford, Ill.
Twin-O-Matic Machine & Tool Co., Inc. (Automatic), 160 John, Brooklyn, N. Y. *See adv index at end of book*
Walraven Co. (The), 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
**WHITON D. E. MFG. CO. ("Whiton" Revolving)**, New London, Conn.
*See adv index at end of book*

## 7998—*Centering Machines (Duplex)

**WHITON D. E. MFG. CO.**, New London, Conn. *See adv index at end of book*

## 7999—*Centering Machines (Two Spindle)

**WHITON D. E. MFG. CO.** (Also One Spindle), New London, Conn.
*See adv index at end of book*

## 8000—Centrifugal Machines (Laboratory)

American Tool & Machine Co. (Centrifugals, Dryers & Hydro-Extractors), 10 High, Boston, Mass.
Bausch & Lomb Optical Co., Rochester, N. Y.
Lonergan J. E. Co., 211 Race, Phila., Pa.
Sharples Specialty Co., West Chester, Pa.

## 8001—Ceramic Tile Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Mueller Machine Co., Trenton, N. J.

## Cereal Roasting Machines

See Coffee, Peanut, etc, Roasting Machines

## 8002—Chain Link Coiling Machines

**VAUGHN MACHINERY CO.**, Cuyahoga Falls, O. *See adv index at end of book*

## 8003—Chain Making Machinery

Baird Machine Co. (Automatic), Bridgeport, Conn.
Breul Fred G (Automatic), Bridgeport, Conn.
Smith Richardson Co., Attleboro, Mass.
**VAUGHN MACHINERY CO.** ("Vaughn" for Fire Welded Chains, etc), Cuyahoga Falls, O.
*See adv index at end of book*

## 8004—Chain Welding Machinery

**VAUGHN MACHINERY CO.**, Cuyahoga Falls, O. *See adv index at end of book*

## 8005—Chair Back Post Bending Machines

Jenkins Machine Co., Sheboygan, Wis.

## 8006— Chair Machinery

See also Cane-Seat Chair Machinery
American Wood Working Machinery Co., Rochester, N. Y.
Baldwin E. E., Gardner, Mass.
Chase Turbine Mfg. Co. (Chair Back Machines), Orange, Mass.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Fay J. A. & Egan Co., Cincinnati, O.
Gardner Machine Works (E. N. & W. H. Hobby, Props.), Gardner, Mass.
Goodspeed Machine Co., Winchendon, Mass.
Jenkins Machine Co., Sheboygan, Wis.
Linderman Steel & Machine Co., Muskegon, Mich.
McKnight L. G. & Son Co., Gardner, Mass.
Nash J. M. (Special), 842 30th, Milwaukee, Wis.
Purdy Chester, Ghent, O.
Whitney Baxter D. & Son, Winchendon, Mass.

## 8007— Chair Seat Machinery

Jenkins Machine Co. (Jointers, Notchers, Scoopers), Sheboygan, Wis.
Linderman Steel & Machine Co. (Dovetail Jointer), Muskegon, Mich.

## 8008—Chamfering & Crozing Machines

Clough & Witt Machine Co., 1740 Columbus rd, Cleveland, O.
Oram John S. Co. (& Howeling), 1316 E 53rd, Cleveland, O.
Rochester Barrel Machine Works, Rochester, N. Y.

## 8009—Change Making Machines

Barrett Changer Co., 36 S State, Chicago, Ill.
Brandt Mfg. Co., 150 Nassau, New York
International Money Machine Co., Terre Haute, Ind.
Staats W. H. Co., Cohoes, N. Y.

## Channeling Machines

See Stone Channeling Machines

## 8010—Charging Machines (Open Hearth)

Alliance Machine Co., Alliance, O.
Brosius Edgar E., Benedum Trees bldg, Pittsburgh, Pa.
**MORGAN ENGINEERING CO.**, Alliance, O. *See adv index at end of book*
Neumeyer & Dimond ("Demag" Imp), 82 Beaver, New York
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**
**WELLMAN - SEAVER - MORGAN CO.** ("Wellman"), Cleveland, O. *See adv index at end of book*

## 8011—Check Writing Machines

Defiance Check Writer Corp., Rochester, N. Y.
Hall-Welter Co., Rochester, N. Y.
New Era Mfg. Co. ("New Era"), 450 4th av, New York
Safe-Guard Check Writer Co., Inc., 5 Beekman, New York
Todd Protectograph Co. ("Protectograph," "Peerless"), 1050 University av, Rochester, N. Y.

## 8012—Cheese Box Machinery

Goo & Hopkins, Delavan, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Oakes & Burger Co., Cattaraugus, N. Y.
Premier Machinery Co., Oakland, Cal.
**Yates P. B. Machine Co., Beloit, Wis.**

## 8013—Cheese Box Nailing Machines

Goo & Hopkins, Delavan, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 8014—Cheese Factory Machinery

Burrell D. H. & Co., Little Falls, N. Y.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Gehl M. C. Co., 3002 Meinecke av, Milwaukee, Wis.
Oakes & Burger Co., Cattaraugus, N. Y.
Premier Machinery Co., Oakland, Cal.

## 8015— Chemical Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
American Tool & Machine Co. (Centrifugals & Hydro-Extractors), 10 High, Boston, Mass.
Badger E. B. & Sons Co., 75-A Pitts, Boston, Mass. *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BUFFALO FOUNDRY & MACHNE CO., 65 Winchester av, Buffalo, N. Y.** *See adv index at end of book*
Chemical Constr. Co. (Concentrators, Acid Plants, Recovery Plants, etc.), Charlotte, N. C.
Dorr Co., 1009 17th, Denver, Col.
Electron Chemical Co. (Electrolytic Cells for Chlorine & Caustic Soda Plants), Portland, Me.
**FURMAN-FISHER CORP.**, 32 Church, New York *See adv index at end of book*
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Hercules Engng. Corp. (Chlorine, Sulphur, Dioxide & Caustic Soda Plants), 501 5th av, New York
**JOHNSON JOHN CO.**, 203 37th, Brooklyn, N. Y.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Patterson Foundry & Machine Co., E Liverpool, O.
Pratt Engineering & Machine Co., Atlanta, Ga.
Stevens Bros., 149 B'way, New York
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.
Sturevant Mill Co. (Crushers, Grindstones, etc), Clayton & Park, Dorchester, Boston, Mass.
Tolhurst Mach. Wks., Troy, N. Y.
Valley Iron Works, Williamsport, Pa.
Warner Chemical Co. (For Chlorine & Caustic Soda Plants), 52 Vanderbilt av, New York
**ZAREMBA CO.** (Evaporators, Leaching Cells), 505 Niagara Life bldg, Buffalo, N. Y. *See adv index at end of book*

## 8016-7—Cherry Pitting Machines

Crown Pitter Co., Cleveland, O.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Premier Machinery Co., Oakland, Cal.

## 8018—Chewing Gum Machines

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Clough & Witt Machine Co., 1740 Columbus rd, Cleveland, O.
Dellenbarger C. E., 1370 W Grand av, Chicago, Ill.
Johnson John Co., 203 37th, Brooklyn, N. Y.
**Mills Thos. & Bro., 8th & Thompson, Phila., Pa.**
Premier Machinery Co., Oakland, Cal.
Savage Bros. Co., 2638 Gladys av, Chicago, Ill.

## 8019—Chocolate Coating Machines

Peters Machinery Co., 209 S La Salle, Chicago, Ill.
Racine Confectioners Machy. Co., Racine, Wis.

## 8020— Chocolate Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Bakers Joseph (Ltd.) (Imp.), 233 B'way, New York
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Day J. H. Co., Cincinnati, O.
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Lehmann J. M. Co., 101 Varick, New York
National Equipment Co., Springfield, Mass.
Premier Machinery Co., Oakland, Cal.
Racine Confectioners Machy Co., Racine, Wis.
Rockwell L. A. Co., 430 Smith, Brooklyn, N. Y.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

## 8021—Chucking, Boring & Turning Machines (Automatic)

**Giddings & Lewis Mfg. Co., Fond du Lac, Wis.**
International Mach. Tool Co., Indianapolis, Ind.

## 8022— Chucking Machines

Acme Machine Tool Co., Cincinnati, O.
Baker Bros. (Vertical), Toledo, O.
Bickford H. & Co. ("Bickford" Vertical), Lakeport, N. H.
Brown & Sharpe Mfg. Co. (Horizontal & Vertical), Providence, R. I.
Bullard Machine Tool Co. ("Standard" Vertical), Bridgeport, Conn.
Davis Machine Tool Co. (Horizontal), Rochester, N. Y.
Fay & Scott, Dexter, Me.
Garvin Machine Co., 147 Varick, New York
Giddings & Lewis Mfg. Co. ("Conradson"), Fond du Lac, Wis.
Gisholt Machine Co. (Turret Lathes for Finishing Castings & Forgings), Madison, Wis.
Hamilton Machine Tool Co., Hamilton, O.
Herbert Alfred Ltd., 54 Dey, New York. *See adv index at end of book*
Jones & Lamson Machine Co., Springfield, Vt.
King Machine Tool Co. (Vertical), Clifton av & B. & O. S. W. R. R., Cincinnati, O.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Lodge & Shipley Machine Tool Co., Cincinnati, O.
McDonough Mfg. Co. (Automatic), Eau Claire, Wis.
Millholland W. K. Machine Co., Indianapolis, Ind.
Ober Mfg. Co. (Wood), Chagrin Falls, Ohio
Oliver Machinery Co., Grand Rapids, Mich.
Potter & Johnston Machine Co. ("Manufacturing Automatic"), Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
Quint A. D. (Vertical), Hartford, Conn.
Rogers Machine Tool Co., Alfred, N. Y.
Springfield Machine Tool Co., Springfield, Ohio
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.
Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.

## 8023-4—Chucking & Turning Machines (Automatic)

Hartford Machine Screw Co., Hartford, Conn.
Potter & Johnston Machine Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.

## Cider Making Machinery

See Wine Making Machinery

## 8025— Cigar Box Machinery

Doig Wm. S. (Nailing, etc), 54 Franklin, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Shirk P. E., Blue Ball, Pa.


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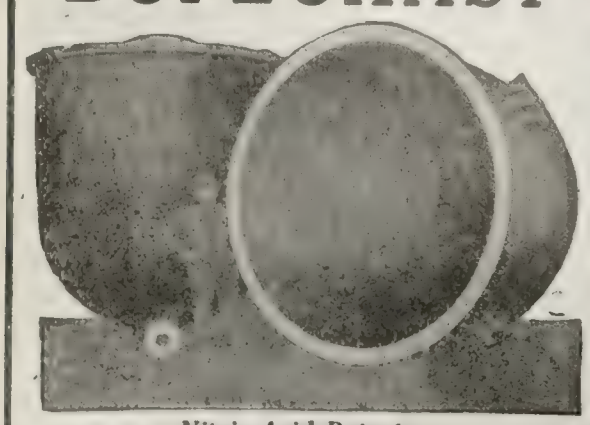

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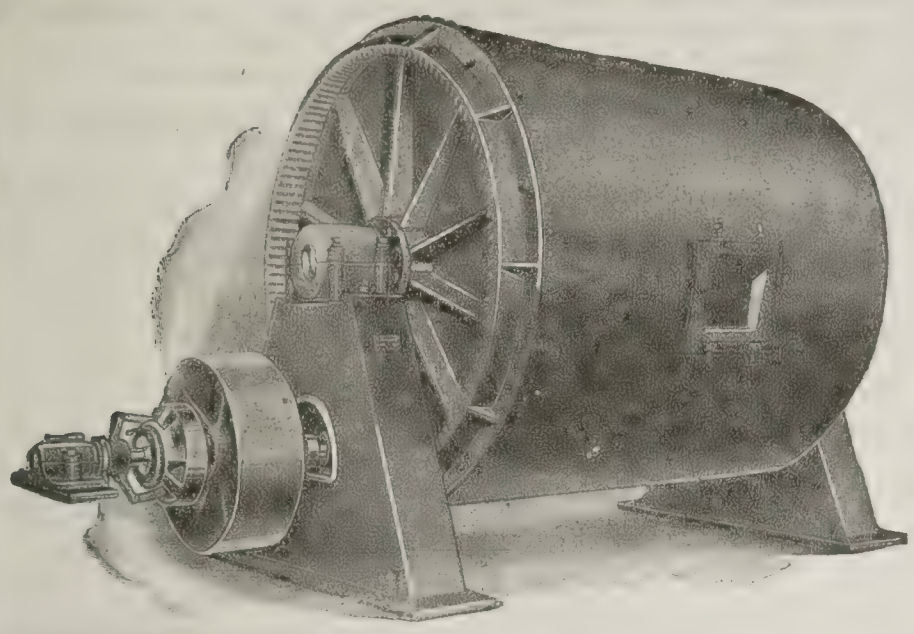

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## 8026—Cigar Bunching Machines

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Miller, DuBrul & Peters Mfg. Co. ("Du Brul"), 507 E Pearl, Cincinnati, O.

## 8027— Cigar Machinery

American Machine & Foundry Co. ("Fresh Work," "Toscani Cheroot," "Cigar & Cheroot Rolling"), 5520 2d av, Brooklyn, N. Y.
Cigar Machine Corp. of Amer. (Automatic), 506 N Eutaw, Baltimore, Md.
Ermold Edward Co. (Branding Machine), 656 Hudson, New York
Liberman Mfg. Co., 248 N 8th, Phila., Pa.
Miller, DuBrul & Peters Mfg. Co. (& Moulds, etc), 507 E Pearl, Cincinnati, Ohio
Strieder J. W. Co. (Banding Machines, Automatic), 178 Ruggles, Boston, Mass.

## 8028—Cigar Re-Packing Machines

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
National Selling Co., Allentown, Pa.

## 8029-30—*Cigarette Box Machinery (Tin)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8031— Cigarette Machinery

American Machine & Foundry Co ("Standard," "Cork Tip"), 5520 2d av, Brooklyn, N. Y.
Comas Machine Co. (For Plain or Cork Tipped Cigarettes), Salem, Va.
Griswold George M. Machine Co., New Haven, Conn.
Ludington Cigarette Mach. Co., Waterbury, Conn.
Miller, DuBrul & Peters Mfg. Co., 507 E. Pearl, Cincinnati, O.

## 8032-3—Cigarette Packing Machines

American Machine & Foundry Co. ("Pouch, "Foil"), 5520 2d av, Brooklyn, N. Y.
Comas Machinery Co., Salem, Va.
International Packing Machines Co., 434 E 71st, New York
United Cigarette Mach. Co. (Ltd.), Lynchburg, Va.

## 8034—Circle & Flanging Machines

Ryerson Jos. T. & Son, 910 Corn Exchange, bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

## 8035—Circular Folding Machines

American Multigraph Sales Co. ("Universal," Letter & Statement), 1832 E 40th, Cleveland, O.
Cabott P. M. Co., 6 Church, New York
Dick A. B. Co., 736 W Jackson blvd, Chicago, Ill.
Leffler Charles & Co. (Used in Packing Baking Powder, Medicines, etc), 59 Clymer, Brooklyn, N. Y.
*See adv index at end of book*
Mentges Folder Co., Sidney, O.

## 8036—Circular Re-Sawing Machines

Braun J. C., 609 S Paulina, Chicago, Ill.
Connell & Dengler Mach Co., Rochester, N. Y
Fay J. A. & Egan Co., Cincinnati, O
Yates P. B. Machine Co., Beloit, Wis.

## Circular Stone Sawing Machines

See Stone Sawing Machinery, with the words Circular Sawing following their names

## 8037— Clapboard Machinery

Lane Mfg. Co., Montpelier, Vt.
Union Iron Works, Bangor, Me.

## 8038—Clay Building Block Machinery

See also Brick Machinery, also Brick Press Machines
American Clay Macinery Co., S Walnut, Bucyrus, O.
*See adv index at end of book*
Bonnot Company, Canton, O.
Anderson Foundry & Machine Works, Anderson, Ind.
Brewer H. & Co., Tecumseh, Mich.
Fate-Root Heath Co., Plymouth, O.
Freese E. M. & Co., Gallon, O.

## 8039—Clay Filtering Machinery

**CROSSLEY MACHINE CO.,** State & Chestnut av, Trenton, N. J.
*See adv index at end of book*

## 8040—Clay Grinding Machines

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
American Clay Machinery Co., S Walnut, Bucyrus, O.
*See adv index at end of book*
Anderson Foundry & Mach. Works, Anderson, Ind.
Brown A. & F. Co. ("Cogswell'), 79 Barclay, New York
Chambers Bros. Co., 52d below Lancaster av, Phila., Pa.
**CROSSLEY MACHINE CO.,** State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
United Iron Works, Inc., Kansas City, Mo.

## 8041—Clay Tempering Machinery

Carnell Geo. (Est. of), 1819 N 5th, Phila., Pa.
**CROSSLEY MACHINE CO.,** State & Chestnut av, Trenton, N. J.
*See adv index at end of book*

## 8042—Clay Washing Machinery

See also Clay Cleaning Machinery
**CROSSLEY MACHINE CO.,** State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
International Clay Machy. Co., Dayton, O.
Muell Machine Co., Trenton, N. J.
Patterson Foundry & Mach. Co., East Liverpool, O.

## 8043— Clay Working Machinery

See also Brick Press Machines, etc

**AMERICAN CLAY MACHINERY CO.**, S Walnut, Bucyrus, O
*See adv index at end of book*

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**The American Clay Machinery Co.**
**Bucyrus, O., U. S. A.**

Buckeye Traction Ditcher Co. The (Clay Digger for Tile & Brick), Findlay, Ohio
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
Fernholtz Machy. Co., 2053 E 38th, Los Angeles, Cal.
Ivens Wm. H. Sons Co. (Jiggers, Oval Dish & Plug Bowl Machines, Surface Grinders, etc), P. O. Box 647, Trenton, N. J.
Marion Machine Foundry & Supply Co., Marion, Ind.
Taplin-Rice-Clerkin Co. ("Pioneer"), Akron, O.
Union Engng. Co., Cuyahoga & W 4th, Cleveland, O.

## 8044—Cleat Sawing Machines

Mereen-Johnson Machine Co. (Gang Cleat Saws), 4400 Lyndale av N, Minneapolis, Minn.

## 8045— Clipping Machines

Huntley Mfg. Co. ("Monitor" for Oats, Barley, Rice, etc), Silver Creek, N. Y.
Invincible Grain Cleaner Co. ("Invincible" Oat, Barley & Rice), Silver Creek, N. Y.

## 8046—Clock Pinion Turning Machines

Davenport Machine Tool Co. (Automatic), New Bedford, Mass.

## 8047—Clock & Watch Makers' Machinery

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Draher John, Waterbury, Conn.
Nichols W. H. (Watchmakers'), Waltham, Mass.
Stark Tool Co., Waltham, Mass.
Waltham Machine Works, Waltham, Mass.

## 8048-9—Closing Machines for Steel Lead Kegs

**AMERICAN CAN CO.** (Machy. Dept.), Monroe bldg, Chicago, Ill.
*See adv index at end of book*

## 8050—Cloth Laying Machines

Shuttle Machine Co. ("Shuttle," "Wedg-Way," "Rod-Way"), 18 E 17th, New York

## Cloth Room Machinery

See Textile Machinery & Supplies; for page number consult Index of Contents

## 8051—Cloth Shrinking & Sponging Machines

Moritz Herman & Excelsior Shrinking Co., 194 Greene, New York

## 8052—Clothes Pin Machinery

Cobb Electric Appliance Co. ("Ceaco"), Boston, 30, Mass.
*See adv index at end of book*
Goodspeed Machine Co., Winchendon, Mass.
Humphrey Machine Co., Keene, N. H.

## 8053-4—Clothes Pressing Machines

American Laundry Machy. Co., Cincinnati, O.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Behrstock-Unkoff Co., 769 W Van Buren, Chicago, Ill. *See adv index at end of book*

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Palmer T. D. Co., Syracuse, N. Y.
Prosperity Co. (Steam), Syracuse, N. Y.
Rosenbaum Mfg. Co., 33 Bleecker, New York
Smith Drum & Co. (Knit Goods), Allegheny av & 5th, Philadelphia, Pa.
Stockwell & Co., 229 N Holliday, Baltimore, Md.
U. S. Hoffman Co. ("Hoffman,"), Syracuse, N. Y.
Williams Tool Co., Erie, Pa.
Zacharias Edwin H., Reading, Pa.

## 8055—Coal Breaker Machinery

Finch Mfg. Co., Scranton, Pa.
Grant Iron Works, Mahanoy City, Pa.
**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.
Pennsylvania Crusher Co. ("Bradford Breakers), Stephen Girard bldg, Phila., Pa.
Roberts & Schaefer Co., 332 S Michigan av, Chicago, Ill.
Wilmot Engineering Co., Hazleton, Pa.

## Coal Car Dumping Machines

**See Car Dumping Machinery**

## Coal Crushing Machinery

See Crushers, Coal & Coke

## 8056—Coal Cutting Machines

See also Chain Mining Machines

Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Radialaxe," "Jackhamer" & "New Ingersoll" Entry Drivers), 11 B'way, New York
*See adv index at end of book*
**JEFFREY MFG. CO.** (Electric & Compressed Air), 961 N Fourth, Columbus, O. *See adv index at end of book*
Morgan-Gardner Electric Co. (Electric), 2640 Shields av, Chicago, Ill.
Pneumelectric Machine Co. ("Pneumelectric" Coal Puncher), Syracuse, N. Y.
Prox Frank Co. (Electric), Terre Haute, Ind.
Sullivan Machinery Co. ("Sullivan") (Electric & Air), Peoples Gas bldg, Chicago, Ill.
Whitcomb Geo. D. Co., Rochelle, Ill.

## 8057—*Coal Cutting & Loading Machines

**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O.
*See adv index at end of book*

## Coal Punching Machines

See Coal Cutting Machines

## 8058—Coal Shearing & Undercutting Machines

**INGERSOLL-RAND CO.** ("Radialaxe"), 11 B'way, New York
*See adv index at end of book*

## 8059—Coal Washing Machinery

Deister Concentrator Co., Fort Wayne, Ind.
Heyl & Patterson, 51 Water, Pittsburgh, Pa.
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
**LINK-BELT CO.** ("Luhrig," "Stewart" "Foust" Processes), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.
Penn. Crusher Co. ("Penna. Bradford" Coal Cleaner), Stephen Girard bldg, Phila., Pa.
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Tamaqua Mfg. Co., Tamaqua, Pa.
**WEBSTER MFG. CO.**, 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*

## 8060—Coal & Ore Handling Machinery

See also Conveyors, Coal

Alliance Machine Co., Alliance, O.
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O.
*See adv index at end of book*
Bergen Point Iron Wks, Bayonne, N. J.
Brown Hoisting Machinery Co. (Coal Storage, Coal Unloaders, Car Dumpers, etc.), 4403 St. Clair, N. E., Cleveland, O.
Browning Co. (Coal Unloaders, Car Dumps, etc.), E 162nd & Waterloo rd, N. E., Cleveland, O.
Chain Belt Co., Milwaukee, Wis.
Denver Engineering Works Co., Denver, Colo.
Duncan Foundry & Machine Works, Alton, Ill.
Fairmont Mining Machy. Co., Fairmont, W. Va.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Gifford-Wood Co., Hudson, N. Y.
Hayward Company, 30 Church, New York
*See adv index at end of book*

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Hoover & Mason, 80 E Jackson blvd, Chicago, Ill.
Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.
Howlett W. E. Construction Co. (Coal Handling only), Moline, Ill.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O.
*See adv index at end of book*
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
**LAKESIDE BRIDGE & STEEL CO.**, North Milwaukee, Wis.
*See adv index at end of book*
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R. Ry., Phila., Pa.
*See adv index at end of book*
**LOCOMOTIVE CRANE CO.**, Bucyrus, Ohio
*See adv index at end of book*
McLanahan-Stone Mach. Co., Hollidaysburg, Pa.
McMyler-Interstate Co., Bedford, O.
Macdonald Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Maine Electric Co., Portland, Me.
Marion Machine Foundry & Supply Co., Marion, Ind.
Mead-Morrison Mfg. Co. (Automatic), cor Prescott & Orleans, East Boston, Mass.
Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York
New York; Chicago; Koppel, Pa.; Pittsburgh; San Francisco
Roberts & Schaefer Co., 332 S Michigan av, Chicago, Ill.
**ROBINS CONVEYING BELT CO.**, 13 Ann, New York *See adv index at end of book*
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
Stephens-Adamson Mfg. Co., Aurora, Ill.

The

# Wellman-Seaver-Morgan Co.

*Engineers and Manufacturers*

Factories:

Cleveland, Ohio  Akron, Ohio

DISTRICT OFFICES

Fifth Ave. at 44th St....New York City
1042 Widener Bldg...Philadelphia, Pa.
618 Hurt Bldg.....Atlanta, Ga.
612 Ideal Bldg.....Denver, Colo.
415 Rialto Bldg.....San Francisco, Cal.

## Partial List of W-S-M Products

*Coal and Ore Handling Machinery*

W-S-M Unloaders
Traveling Bridges with Grab Buckets
Car Dumpers
Car Haulages
Transfer Cars
Boat Loaders
Bucket Handling Cranes
Excavating Buckets
Weighing Larries

*Special Cranes*

Pontoon Cranes for Marine Work
Dock Cranes
Shipbuilding Cranes
Cranes for Concrete Handling
Special Purpose Cranes

*Hydraulic Turbines*

Horizontal or Vertical Units with Spiral Casings of Cast Steel, Cast Iron or Steel Plate
Also Vertical Units with Concrete Spiral Casings or Open Flumes
Equipped with Cast Steel, Cast Iron or Bronze Runners Designed for the Highest Efficiencies

*Hoisting and Mining Machinery*

Electric or Steam Hoisting Equipment
Cages and Skips
Revolving Car Tipples
Mine Car Loaders
Akron Chilian Mills
Headframes
Sheaves
Safety Detaching Hooks

*Steel Works Equipment*

Hughes Mechanical Gas Producers and Shut-off Valves
Open Hearth, Soaking Pit and Continuous Heating Furnaces
Metal Mixers
Air and Gas Reversing Valves
Charging Machines, Cars and Boxes
Gantry Cranes
Special Cranes for Heavy Work

*Coke Oven Machinery*

Coke Pushers
Coke Levelers
Door Extractors
Charging Larries
Coke Quenching and Handling Apparatus

*Port and Terminal Equipment*

Machinery for Loading and Unloading Ships, Handling Freight in Sheds and Fueling Ships

*Rubber Machinery*

Tire Applying Presses
Rubber Calenders
Mills, Refiners
Washers, Crackers
Tubing Machines
Fabric Dryers
Hydraulic Vulcanizing Presses
Hydraulic Hot Plate Presses
Rimming Presses
Plain and Engraved Molds
Cores
Hydraulic Pumps
Accumulators

## THE WELLMAN-SEAVER-MORGAN COMPANY

CLEVELAND, OHIO

COAL & ORE HANDLING MACHINERY—continued

**TOLEDO BRIDGE & CRANE CO.**, 2500 Dorr, Toledo, O.
*See adv index at end of book*
Union Engineering Co., Cuyahoga & W 4th, Cleveland, O.
United Iron Works, Inc., Kansas City, Mo.
**WEBSTER MFG. CO.**, 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
**WELLMAN - SEAVER - MORGAN CO.**, Cleveland, O.
*See adv index at end of book*

## Coat & Hat Hook Machines (Automatic)

See Wire Forming Machinery

## Coating Machines for Roofing

See Paper, Saturating, Coating & Water-Proofing Machines

## 8061—Coating Mill Machinery

Koegel Chas. & Sons, Holyoke, Mass.
Waldron Jno. Co., New Brunswick, N. J.

## 8062— Cockle Machines

Barnard & Leas Mfg. Co., Moline, Ill.
Howes S. Co., Silver Creek, N. Y.
Prinz & Rau Mfg. Co., 659 E Water, Milwaukee, Wis.

## 8063— Cocoa Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Angus Engineering Co., 87 Wall, New York
Lehmann J. M. Co., 101 Varick, New York
Premier Machinery Co., Oakland, Cal.

## 8064—Cocoa Plantation Machinery

Mason Marcus & Co., Inc., 201 Devonshire, Boston, Mass.

## 8065—Coffee Cooling, Stoning & Elevating Machinery

Huntley Mfg. Co., Silver Creek, N. Y.
Lambert Machine Co., Marshall, Mich.

## 8066—Coffee Grading Machines

Dickey A. P. Mfg. Co., Racine, Wis.
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.

## 8066a— *Coffee Machinery

Squier Geo. L. Mfg. Co., 490 B'way, Buffalo, N. Y.

## 8067—Coffee, Peanut & Cocoa Bean Roasting Machines

Bartholomew Co., Peoria, Ill.
Burns Jabez & Sons, 567 11th av, New York
Dunbar & Co. (Peanut & Pop Corn Roasters), 2652 W Lake, Chicago, Ill.
Hilbert Machine Co., 2116 Colerain av, Cincinnati, O.
Huntley Mfg. Co. ("Monitor" Coffee Roasters), Silver Creek, N. Y.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Kingery Mfg. Co. (Peanut Only), 420 E Pearl, Cincinnati, O.
Lambert Machine Co., Marshall, Mich.
Lange Henry G., 162 N May, Chicago, Ill.
A. J. Deer Co., The, Hornell, N. Y.

## 8068—Coffee Polishing Machines

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

## 8069—Coffee Roasting Machines (Complete Plants)

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
A. J. Deer Co., The, Hornell, N. Y.

## 8070—Coffee & Rice Cleaning Machinery

Bahmann Iron Works Co., Cincinnati, O.
Blymyer Iron Works Co., Cincinnati, O.
Dickey A. P. Mfg. Co., Racine, Wis.
Fraser Mfg. Co., 573 Henderson, Jersey City, N. J.
Howes S. Co. (Hulling & Grading), Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co., Racine, Wis.
Mason Marcus & Co., Inc., 201 Devonshire, Boston, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Salem Iron Works (Coffee Only), Winston-Salem, N. C.

## 8071—Coffee & Rice Plantation Machinery

Angus Engineering Co., 87 Wall, New York
Bahmann Iron Works Co., Cincinnati, O.
Blymyer Iron Works Co., Cincinnati, O.
Engelberg Huller Co. (Hullers & Polishers), Syracuse, N. Y.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Mason Marcus & Co., Inc., 201 Devonshire, Boston, Mass.
Salem Iron Works (Coffee), Winston-Salem, N. C.

## 8072—Coffee & Spice Mill Machinery

Beach-Russ Co., 216-224 B'way, New York *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.

## 8073—Coiling Machines for Match Splits

Griswold George M. Machine Co., New Haven, Conn.

## 8074—Coiling Machines (Wire)

Baird Machine Co. (Automatic), Bridgeport, Conn.
Manville E. J. Machine Co., Waterbury, Conn.
Morgan Construction Co., Worcester, Mass
**SLEEPER & HARTLEY (INC.)**, 335 Chandler, Worcester, Mass.
*See adv index at end of book*

## 8075—Coin Counting Machines

Abbott Coin Counter Co., 106 6th av, New York
Automatic Appliance Co. (Automatic Counting & Packing), 172 Columbus av, Boston, Mass.
Brandt Cashier Co. ("Brandt" Automatic Cashier for Paying Change), 1132 S Wabash av, Chicago, Ill.
Cointex Co., The, St. Johns pl, Buffalo, N. Y.
Johnson Coin Counting Machine Co ("Johnson"), 237 Lafayette av, New York

## Coin Operating Machines

See Vending Machines.

## 8076—Coin Wrapping Machines

Automatic Coin Wrapping Machine Co ("Batdorf"), 80 Greenwich, New York
Lamson Co., 100 Boylston, Boston, Mass.

## 8077— Coining Machines

Ferracute Machine Co., Bridgton, N. J.
Johnson Iron Works, Ltd., Morgan & Sequin, New Orleans, La.

## Coke Crushing Machinery

See Crushers, Coal & Coke.

## 8078—Coke Drawing & Loading Machines

Covington Machine Co., Covington, Va.

## 8078a—*Coke Handling Machinery

**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, Ohio.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila, Pa. *See adv index at end of book*

## 8079— Coke Oven Machinery

Connellsville Mfg. & Mine Supply Co. (Rectangular), Connellsville, Pa.
Covington Machine Co., Covington, Va.
Marion Mach., Fdy. & Supply Co., Marion, Ind.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
**WELLMAN - SEAVER - MORGAN CO.**, Cleveland, O.
*See adv index at end of book*

## 8080—Cold Roll Pointing Machines (Automatic)

Morgan Construction Co., Worcester, Mass.

## 8081—Cold Rolling Machines

See also Mills, Cold Rolling

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Yoder Co., Engineering bldg, Cleveland, O

## 8082—Cold-Saw Cutting-Off Machines

American Saw Works, Hackettstown, N. J.
Braun J. G., 609 S Paulina, Chicago, Ill.
Burr John T. & Son, 429 Kent av, Brooklyn, N. Y.
Cochrane-Bly Co., Rochester, N. Y.
Earle Gear & Machine Co. ("Lea-Simplex"), Stenton & Wyoming aves, Phila., Pa.
Espen-Lucas Machine Works, Girard av, Phila., Pa.
Ham L. M. Co., 158 Portland, Boston, Mass.
Higley Machine Co., Croton Falls, N. Y.
Hub Machine Welding & Contracting Co. ("Acme"), 450 N 12th, Phila., Pa.
Hutner Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lea-Courtenay Co., 5 Main, Newark, N. J.
Mackintosh, Hemphill Co. (Horizontal), for Rolling Mills, etc.), ft. of 12th, Pittsburgh, Pa.
Modern Machine Tool Co., Jackson, Mich.
Newton Machine Tool Works, 23rd & Vine, Phila., Pa.
Nutter & Barnes Co., Hinsdale, N. H.
Roberson W. Machine & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.
Ryerson Jos. T. & Son ("Ryerson" High Speed Friction), 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Tindel-Morris Co. ("Paragon" High Duty), Eddystone, Pa., & Ellwood City, Pa.
Union Tool Co. ("Hill" Automatic), Orange, Mass.
United Engineering & Foundry Co. (High Speed, Heavy), Keenan bldg, Pittsburgh, Pa.
Wetherill R. & Co. (For Steel Foundries), Chester, Pa.

## 8083—Cold Saw Cutting-Off Machines (Multiple)

Newton Machine Tool Works, 23rd & Vine, Philadelphia, Pa.

## 8084—Cold Saw Sharpening Machines

Cochrane-Bly Co., Rochester, N. Y.
Higley Machine Co., Croton Falls, N. Y.
Newton Machine Tool Works, 23d & Vine, Phila., Pa.

## 8085—Collapsible Tube Closing Machines

Standard Spec. & Tube Co., New Brighton, Pa.

## 8086—Collapsible Tube Filling Machines

Standard Spec. & Tube Co., New Brighton, Pa.

# C. E. DELLENBARGER

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AUTOMATIC AND GENERAL LABORATORY EQUIPMENT FOR MANUFACTURING

1368-70 West Grand Avenue
CHICAGO

466 Third Avenue, Cor. 9th Street
BROOKLYN, N. Y.


### 8087—Collar Folding Machines

Interstate Machinery Co., Troy, N. Y.
Sweet & Doyle Foundry & Machine Co., Green Island, N. Y.

### 8088—Collar Moulding Machines

National Chemical Co. ("Prosperity"), Syracuse, N. Y.

### 8089—Collar Seam Dampening Machines

American Laundry Machinery Co., Cincinnati, O.
Chicago Laundry Machinery Co. ("Floran"), 213 W Grand, Chicago, Ill.
Interstate Machinery Co., Troy, N. Y.
National Chemical Co., Syracuse, N. Y.
Zeidler Wm. A. Co., 401 E 163d, New York

### 8090—Collar Shaping Machines

Chicago Laundry Machinery Co. ("Floran"), 213 W Grand, Chicago, Ill.
Interstate Machinery Co., Troy, N. Y.
Zeidler Wm. A. Co. ("20th Century"), 401 E 163d, New York.

### 8091—Collar & Cuff Laundry Machinery

Brown B. F. Mfg. Co., Troy, N. Y.
Troy Laundry Machinery Co. (Ltd.), 23d & La Salle, Chicago, Ill.

### 8092—Comb & Hair Pin Machinery & Tools

Baird Machine Co. (Automatic, Hair Pin Machinery), Bridgeport, Conn.
Cook F. H. & Co. (Horn, Tortoise Shell, Celluloid or Rubber), Leominster, Mass.
Grimes & Harris (Horn), Leominster, Mass.
Union Engng Co. (Automatic Hair Pin), Hartford, Conn.

### 8093—Commutator Slotting Machines

Electric Service Supplies Co. ("Peerless"), 17th & Cambria, Phila., Pa.
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Wood Chas. N. Co., 14 Federal, Boston. Mass.

### 8094—Compressed Yeast Machinery

Erhart Chris, 1237 W 6th, Cincinnati, O.

### 8095— Computing Machines

See also Adding Machines

Barrett Adding Machine Co. (Portable), Bulletin bldg, Phila., Pa.
Comptograph Co., 33 S La Salle, Chicago, Ill.
Econometer Co. (Price Computing), Pontiac bldg, St. Louis, Mo.
Marchant Calculating Machine Co., Oakland, Cal.; Eastern sales office, 237 Railway Exchange bldg, Chicago, Ill.
Mechanical Accountant Co., 17 Warren, Providence, R. I.
National Scale Co. (National Counting), 11 Hendricks, Chicopee Falls, Mass.
Underwood Computing Machine Co., 260 Gold, Brooklyn, N. Y.

### Concentrating Machinery

See Concentrators

### Concrete Brick Machines

See Cement Brick Machines

### 8096—Concrete Building Block Machinery

Anchor Concrete Stone Co., Rock Rapids, Ia.
Architectural Mold Co., Warren & Medrum avs, Detroit, Mich.
Besser Mfg. Co. ("Eureka"), Alpena, Mich.
Bragstad Concrete Machy. Co., Canton, S. Dak.
Cardington Cabinet Co. ("Diamond"), Cardington, O.
Cement Machy. Co. ("Monarch"), Jackson, Mich.
Century Cement Machine Co. ("Hercules"), Rochester, N. Y.
Colgan Machinery & Supply Co., Columbus, O.
Concrete Stone & Sand Co. ("Pautey," Wax Machines), Youngstown, O.
Dunn W. E. Mfg. Co., Holland, Mich.
Eclipse Machine Mfg. Co., Kendallville, Ind.
Enterprise Foundry Co. ("Perfection"), Rochester, N. Y.
Ferguson Synstone Co., Denver, Col.
Foote J. B. Foundry Co., Frederickstown, Ohio
Francis Machinery Co., St. Louis, Mo.
Hall, J. P., ft Henderson, 588 Central av, Jersey City, N. J.
Hayden Automatic Block Machine Co. ("Hayden"), Columbus, O.
Helm Brick Machine Co., Cadillac, Mich.
Hobbs Concrete Mach. Co., 1445 W Gd. blvd, Detroit, Mich.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio *See adv index at end of book*
Ideal Concrete Machinery Co. ("Ideal"), 1346 Monmouth av, Cincinnati, O.
Lansing Co., Lansing, Mich.
McKenzie Mfg. Co., La Crosse, Wis.
Miles Co., Jackson, Mich.
Moore Plow & Implement Co., Greenville, Mich.
Multiplex Concrete Machinery Co. ("Multiplex," Hand Lever), Elmore, O.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Pettyjohn Co., Terre Haute, Ind.
Quinn Wire & Iron Works, Boone, Ia.
Reed Mfg. Co., Springfield, O.
Rempis & Gallmeyer Foundry Co., Grand Rapids, Mich.
Republic Iron Wks., Tecumseh, Mich.
Rowell D. G. ("Samson"), Appleton, Wis.
Sanford Concrete Machinery Co., Toledo, Ohio
Somers Bros. Mfg. Co., Urbana, Ill.
Steward Mfg. Co., Waterloo, Ia.
Van Guilder Double Wall Co., Wagner bldg, Rochester, N. Y.
Waterloo Cement Machy. Corp., Waterloo, Ia.
Youngstown Engineering Co., Youngstown, O.
Zagelmeyer Cast Stone Block Machy. Co. (Zagelmeyer System), Bay City, Mich.

### Concrete Pipe Machinery

See Cement Sewer Pipe Machinery

### Concrete Post Machines

See Cement Post Machinery

### Concrete Roofing Tile Machinery

See Cement Shingle Machinery

### 8097—Concrete Structural Tile Machines

Concrete Stone & Sand Co. ("Pauly," for Partitions, etc), Youngstown, O.
Eberling Mchy. Co., 1319 Williamson bldg, Cleveland, O.
Kramer Automatic Tamper Co., Peoria, Ill.

### 8098—Condensed Milk Can Machinery

BLISS E. W. CO., 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

### 8099—Condensed Milk Machinery

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Climax Machinery Co. Indianapolis, Ind.
Harris Arthur & Co., 212 N Curtis. Chicago, Ill. *See adv index at end of book*
Huetteman & Cramer Co., Mack & Beaufait, Detroit, Mich.
Oat Jos. & Sons, 230 Quarry, Phila., Pa.
Premier Machinery Co., Oakland, Cal. *See adv index at end of book*
Stickney Henry R. (Can Filling & Syruping, etc), Portland, Me.

### 8099a—*Condensite Products Moulding Machinery

BURROUGHS CHARLES COMPANY, Newark, N. J. *See adv index at end of book*

### 8100—Conductor Pipe & Eave Trough Machinery

Canton Foundry & Machine Co. ("Universal"), Canton, O.

### Conduit Bending Machines

See Benders, Conduit

### 8101-2—Conduit Machinery

American Clay Machinery Co., S. Walnut, Bucyrus, O. *See adv index at end of book*

### 8103—Conduit Threading Machines

Cope T. J. ("Cope's"), 1620 Chancellor, Phila., Pa.

### 8104—Confectioners' Machinery

See also Dough Mixing & Kneading Machinery, etc

Anderson J. P. & Co. (Mixing Machines, Cutters, Graters, Rools, etc), 422 N 6th, Phila., Pa.

CONFECTIONERS' MACHINERY—cont.

Barbour, Stockwell Co., Cambridgeport, Mass.
Buhr, Pfaff & Co. ("Heilman" Candy Rolling Machines, etc), 2d & Race, Cincinnati, O.
Collum Mfg. Co. (Candy & Cream Coolers, Cutters, etc), Hartford, Conn.
Dellenbarger C. E., 1370 N Grand av, Chicago, Ill. *See adv index at end of book*
Erny Henry, 75 Fulton, New York
Furman-Fisher Corp., 32 Church, New York
Getz M. & Co., 162 1st, San Francisco, Cal.
Hilbert Machine Co., 2116 Colerain av, Cincinnati, O.
Hildreth Herbert L. Co. (Candy Pulling Machines, etc), 67 Batterymarch Boston, Mass.
Igon Mfg. Co., Springfield, O.
Knott E. R. Machine Co., 32 Dorchester, Boston, Mass.
Lange Henry G., 172 N May, Chicago, Ill.
Long W. Z. Co. (Crispette Machines), Springfield, O.
Mills Thos. & Bro. (Mixers, Cutters, Freezers, etc), 8th & Thompson, Phila., Pa.
National Equipment Co., Springfield, Mass.
Premier Machinery Co., Oakland, Cal.
Racine Confectioners' Machinery Co. (Chocolate Mixers, Syrup Coolers, Cream Beaters, etc.), Racine, Wis.
Rittenhouse Frank (Nougat Cutting Machines, etc), Norristown, Pa.
Savage Bros. Co (Mixers, Chewing Gum Machines, Revolving Pans, etc), 2638 Gladys av, Chicago, Ill.
Thomson Machine Co. (Bakers'), Belleville, N. J.
Werner John & Sons (Labor Saving Confectionery Machines), Rochester, N. Y.

## Conveying Machinery

See Conveyors of Various Kinds

## 8105—Cooling Machines (Vegetable Canneries)

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

## Cooperage Machinery

See Barrel, Keg, Stave & Heading Machinery

## 8106— Coping Machines

Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E Cleveland, O.
Dick A. B. Co., 736 W Jackson blvd, Chicago, Ill.
Ham L. M. Co. ("Ham's"), 158 Portland, Boston, Mass.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Kling Bros., Engineering Works, 1300 N, Kostner av, Chicago, Ill.
Long & Allstatter Co. (Beam Coping, etc), Hamilton, O.
Mackintosh Hemphill Co., ft of 12th, Pittsburgh, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
**PITTSBURGH - DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Rock River Machine Co. ("Badger"), Janesville, Wis.
Williams, White & Co. (Coping & Punching Machines), Moline, Ill.

## 8107—Copper Converting Machinery

Alliance Machine Co., Alliance, O.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.

## 8108—Copper Working Machinery

Portage Lake Foundry & Machine Co., Hancock, Mich.

## Cord Wood Sawing & Splitting Machines

See Kindling Wood Machinery

## 8109— Cordage Machinery

Brownell G. L., Worcester, Mass.
Haskell-Dawes Machine Co., 176 Federal, Boston, Mass.
Kelly R. A. Co., Zenia, O.
Lockwood Mfg. Co., 65 Sumner, East Boston, Mass.
Watson Bros. Machine Co., Bound Brook, N. J.

## 8110— Core Box Machines

Oliver Machinery Co., Grand Rapids, Mich.
Portland Co. ("Thomas"), Portland, Me.
Rochester Barrel Machine Works, Rochester, N. Y.

## 8111—Core Cutting Machines

Lewis Machine Co. (Wire), 6303 Central, Cleveland, O.
Rich Fdry. Equipment Co., 2528 W 48th pl, Chicago, Ill.
Wadsworth Core Mach. & Equip. Co., 10 W Buchtel, Akron, O.

## 8112—Core Jarring Machines

Tabor Mfg. Co., 18th & Hamilton, Phila., Pa.

## 8112a— *Core Machines

Osborn Mfg. Co. (Jolts, Rill-Over, "Little Wonder"), Cleveland, O. *See adv index at end of book*

OSBORN MOULDING MACHINES

## 8113-4-5—Core Making Machines

Arcade Mfg. Co., ("Arcade" Roll Over), Freeport, Ill.
Demmler Wm. & Bro. ("Hewlett"), Kewanee, Ill.
International Molding Machine Co. ("International"), 2614 W 16th, Chicago, Ill.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Midland Machine Co. ("Grimes" Jolt Ramming), 1218 Hastings, Detroit, Mich.
Rich Fdry. Equipment Co. ("Hammer"), 2528 W 48th pl, Chicago, Ill.
Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

## 8116—Core Tapering Machines

Rich Fdry. Equipment Co., 2528 W 48th pl, Chicago, Ill.
Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

## 8117—Core Testing Machines

Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

## 8118—*Cork Compound Mixing Machines

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.

## 8119—Cork Cutting Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Barber M. A., Norwich, Conn.

## 8120— Cork Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Lester & Wasley Co., Norwich, Conn.

## Corking Machines

See Bottle Corking Machines.

## 8121—Corking Machines (Preservers')

**VILTER MFG. CO.**, 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*

## 8122—Corn Cutting Machines

Morral Bros., Morral, O.
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago Ill.
Superior Hay Stacker Mfg. Co., Linneus, Mo.
Voss Bros. Mfg. Co. ("Little Giant"), Davenport, Ia.

## 8123—Corn Husking Machines

Huntley Mfg. Co. ("Monitor" for Green Corn), Silver Creek, N. Y.
Invincible Grain Cleaner Co. ("Invincible"), Silver Creek, N. Y.
Morral Bros., Morral, O.
Peerless Husker Co. ("Peerless"), 523 Cornwall, Buffalo, N. Y.
Premier Machinery Co., Oakland, Cal.

## 8124— Corn Mill Machinery

Beall Improvement Co., Inc., Decatur, Ill.
Blymyer Iron Works Co. (Cleaners, Shellers, Crushers, etc), Cincinnati, O.
French Oil Mill Machinery Co., Piqua, O.
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Graders, Scourers, Polishers, Cracked Corn Separators & Graders, Corn Meal Bolters & Refiners), Silver Creek, N. Y.
Invincible Grain Cleaner Co. (Scourers & Separators), Silver Creek, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Premier Machinery Co., Oakland, Cal.
Sprout, Waldron & Co., Muncy, Pa.
Starr B. F. Co., 445 Guilford av, Baltimore, Md.
Wolf Co., Chambersburg, Pa.

## 8125—Corn Mixing Machines

Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.

## 8126— Corn Oil Machinery

Buckeye Iron & Brass Works, Dayton, O.
Callahan W. P. Co., Dayton, O.
Cardwell Machine Co., 1900 E, Cary, Richmond, Va.
**ELMES CHAS. F. ENGINEERING WORKS (INC.)**, cor. Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
French Oil Mill Machinery Co., Piqua, O.
Platt Iron Works Co., Dayton, O.
Premier Machinery Co., Oakland, Cal.

## Corn Shelling Machines

See Shellers, Corn

## 8127—Corn Silking Machines

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Morral Bros., Morral, O.
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.

## 8128—*Cornice Makers' Machinery

See also Sheet Metal Workers' Machines & Tools; also Cornice Brakes

**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y. *See adv index at end of book*

## 8129—Corporation Cock Inserting Machines

Hays Mfg. Co., Erie, Pa.
Mueller H. Mfg. Co., Decatur, Ill.
Smith A. P. Mfg. Co. ("Shelley," for Water Works), East Orange, N. J.

## 8130—Corrugated Joint Fastener Driving Machines

Morgan Machine Co., Rochester, N. Y.
Saranac Machine Co. ("Saranac"), Benton Harbor, Mich.

## 8131—Corrugated Paper Machinery

Paper Working Machine Co., Ave. U, Brooklyn, N. Y.
Potdevin Machine Co., 1221 38th, Brooklyn, N. Y.

## Corrugated Paper Printing Machines

See Box Board Printing Machines

## 8132— Corrugating Machines

See also Sheet Metal Workers' Machines & Tools

Keene Geo. C. & Co., 2327 Florence av, Cincinnati, O.
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y. *See adv index at end of book*

**Peck, Stow & Wilcox Co., Southington, Conn.**
**Poorman O. O. Co. (Roll), New Bremen, O.**
**Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.**
**Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.**
*See adv index at end of book*
**Topeka Foundry & Iron Wks., Topeka, Kan.**

## 8133— Corset Machinery

Adams A. L., Bridgeport, Conn.
Nilson A. H. Machine Co. (Automatic Eye Feeders, Stud Rivetting & Corset Steel Covering), Bridgeport, Conn.

## 8134— Cotter Pin Machinery

Baird Machine Co. (Automatic), Bridgeport, Conn.
Nilson A. H. Machine Co. (Automatic), Bridgeport, Conn.

## 8135—Cotton Cleaning Machines

American Machine & Mfg. Co., Atlanta, Ga.
Dickerson Cotton Cleaner Co., Ft. Worth, Tex.
Empire Duplex Gin Co., 346 Broadway, New York
Saco-Lowell Shops (For Cleaning & Preparing Cotton For Medical Purpose), Boston, Mass.

## 8136—Cotton Ginning Machinery

Adams W. T. Machine Co. (Handles), Corinth, Miss.
Alsop Process Co. ("Alsop" Boll Extractor), St. Louis, Mo.
Avery B. F. & Sons (Handles), Louisville, Ky.
Brown Cotton Gin Co., New London, Conn
Carver Cotton Gin Co., East Bridgewater, Mass.
Continental Gin Co. ("Munger," "Eagle," "Pratt"), Birmingham, Ala.
Empire Duplex Gin Co., 346 Broadway, New York
Gantt Mfg. Co., Macon, Ga.
Georgia Agricultural Works (Georgia Centennial Cotton Gin, Feeder & Condenser, Suction Elevators & Other Cotton Ginning Specialties), Fort Valley, Ga.
Gullett Gin Co., Amite City, La.
Houston Car Wheel & Machine Co., Houston, Tex.
Kelly G. A. Plow Co. (Handles), Longview, Tex.
Liddell Co., Charlotte, N. C.
Lummus Cotton Gin Co. (Air Blast), Columbus, Ga.
Lummus Machinery Co., Spartanburg, S. C.
Massey Gin & Machine Works, Macon, Ga.
Murray Co., Dallas, Tex.

## Cotton Machinery

See Textile Machinery, etc. For page number consult Index of Contents.

## 8137—Cottonseed Oil Machinery

**American Machine & Mfg. Co., Atlanta, Ga.**
**Bailey-Burruss Mfg. Co., Atlanta, Ga.**
Bauer Bros. Co. (Disc Hullers, Cake Breakers, Attrition Mills, Crushers Separators, Shakers & Cleaners) Bauer bldg, Springfield, O.
Brown Cotton Gin Co., New London, Conn.
Buckeye Iron & Brass Works, Dayton, O
Callahan W. P. Co., Dayton, O.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Carver Cotton Gin Co., East Bridgewater, Mass.
Columbus Machine & Foundry Co., Columbus, O.
Continental Gin Co. (Linter Feeders, Condensers, Presses, etc), Birmingham, Ala.
French Oil Mill Machinery Co., Piqua, O.
Houston Car Wheel & Machine Co., Houston, Tex.
Lombard Iron Works & Supply Co., Augusta, Ga.
Murray Co., Dallas, Texas
Platt Iron Works Co., Dayton, O.
Premier Machinery Co., Oakland, Cal.
Sprout Waldron & Co., Muncy, Pa.

## 8138—Cotton Picking Machines

Price-Campbell Cotton Picker Corp., 15 Wall, New York
Vacuum Cotton Picking Mach. Co., St. Louis, Mo.

## 8139— Cotton Tie Machines

Columbus Truck & Supply Mfg. Co. (Also Cleaning), Columbus, Ga.
West Point Iron Works, West Point, Ga.

## 8140—Cotton Waste Reclaiming Machines

Smith & Burbush Machine Co., Hancock & Somerset, Phila., Pa.

## 8141— Counting Machines

Burgess & Norton Mfg. Co. ("Bur-Nor"), Geneva, Ill.
Computing Scale Co., Dayton, O.
Durant Mfg. Co. ("The Productimeter"), 655 Buffum, Milwaukee, Wis.
Durbrow & Hearne Mfg. Co., 12 Wooster, New York
Grant Mfg. & Machine Co., Bridgeport, Conn.
National Scale Co. ("National" For Counting Parts & Pieces), 11 Hendricks, Chicopee Falls, Mass.
Premier Machinery Co., Oakland, Cal.
Redington F. B. Co., 112 S Sangamon, Chicago, Ill.
Richardson Scale Co. ("Richardson" Reciprocating), Passaic, N. J.
Root Chas. J. ("Elm City," "Bristol," "Roco"), Bristol, Conn.
Sheppard J. E. Co. ("Peerless"), Worcester, Mass.
Veeder Mfg. Co. (Automatic), Hartford, Conn.

## 8142—Coupling Bending Machines

Pipe Machinery Co. (Pipe Mill), 930 E 70th, Cleveland, O.
United Engineering & Foundry Co. (For Rolling Mills), 307 5th av, Pittsburgh, Pa.

## 8143—Coupling Expanding Machines

Larkin Mfg. Co. ("Buckley" Hydraulic), Dayton, O.
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.

## 8144—Coupling Rolling Machines

United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.

## 8145—Coupling Screwing Machines

**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**

## 8146—Coupling & Pulley Forcing Machines

Woonsocket Machine & Press Co., Woonsocket, R. I.

## 3147—Cow Milking Machines

Burrell D. H. & Co. ("B-L-K"), Little Falls, N. Y.
Dairy Specialty Co. ("Sharples"), Westchester, Pa.
Empire Cream Separator Co., Bloomfield, N. J.
Groff F. A. & Son, St. Johnsville, N. Y.
Hinman Milking Machine Co., Oneida, N. Y.
Mehring Wm. M., Keymar, Mich.
Mullins Mfg. Co., Brillion, Wis.
Perfection Mfg. Co., 2119 E, Hennepin, Minneapolis, Minn.
Premier Machinery Co., Oakland, Cal.
Sharples Separator Co., West Chester, Pa.
Starch Bros. Co. ("Victory"), La Crosse, Wis.
Success Milking Machine Co., 1033 Winnetge, Milwaukee, Wis.
Universal Milking Machine Co., 18 W Mound, Columbus, O.
Waterloo Gasoline Engine Co. ("Waterloo Boy"), Waterloo, Ia.

## 8148—*Cracker & Biscuit Box Machinery (Sheet Metal)

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8149—Cracker & Biscuit Machinery

Bakers Joseph, Ltd. (Imp.), 233 B'way New York
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Champion Machinery Co., Joliet, Ill.
Day J. H. Co., Cincinnati, O.
Green Thos. L. & Co., Indianapolis, Ind.
Peters Machinery Co., 209 So. La Salle, Chicago, Ill.
Rockwell L. A. Co. ("Excelsior" Biscuit), 430 Smith, Brooklyn, N. Y.

## 8150—Cranberry Assorting Machines

Trenton Pattern Works, Trenton, N. J.

## 8151—Crank Pin Turning Machines

Herbert Alfred Ltd., 54 Dey, New York.
*See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Pedrick Tool & Mach. Co., 3640 N Lawrence, Phila., Pa.
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.
Street R. R. & Co., Inc., 549 Washington blvd, Chicago, Ill.
Tindel, Morris Co. (Lathes), Eddystone, Pa.
Underwood H. B. & Co. (Portable), 1025 Hamilton, Phila., Pa.
Wickes Bros., Saginaw, Mich.

## 8152—Crank Shaft Cold Saw Cutting Off Machines

Newton Machine Tool Works (Inserted Tooth Saw Blade), 23d & Vine, Phila., Pa.

## 8153— Crate Machinery

Chase Turbine Mfg. Co., Orange, Mass.
Saranac Machine Co., Benton Harbor, Mich.
Wheland Company, Chattanooga, Tenn.

## 8154—Crate Slat Cutting Machines

Trevor Mfg. Co., Lockport, N. Y.

## 8154a— Crayon Machinery

Huber Machy. Co., 261 46th, B'klyn, N. Y.

## 8155— Creamery Machinery

See also Separators, Cream

Advance Dairy Machy Co., Canton, Ohio
Burrell D. H. & Co., Little Falls, N. Y.
Chapman C. L. Cream Separator Works, Erie, Pa.
Clinton Mfg. Co., Clinton, Wis.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Dairy Machinery & Cons. Co., Derby, Conn.
Dairy Specialty Co. ("Babcock" Milk Tester, Milking Machines, etc), West Chester, Pa.
Dobson Mfg. Co., Rockford, Ill.
Gehl M. C. Co., 3002 Meinecke av, Milwaukee, Wis.
Jensen Creamery Machinery Co., Blvd & 13th, Long Island City, N. Y.
National Dairy Machine Co., Goshen, Ind.
Oakes & Burger Co., Cattaraugus, N. Y.
Peters Machinery Co., 209 S, La Salle, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Reid A. H. Creamery & Dairy Supply Co., 69th & Haverford, Phila., Pa.
Rice & Adams, Buffalo, N. Y.
Vermont Farm Machine Co., Bellows Falls, Vt.

## 8156—Creasing Machines (Paper, Cloth & Strawboard)

Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

## 8157—*Crimping Machines for Tops on Tooth Powder Boxes

**AMERICAN CAN CO.** (Machinery Dept.), Monroe bldg, Chicago, Ill.
*See adv index at end of book*

## 8158—Crimping Machines (Varnish Can Nozzle)

Consolidated Fruit Jar Co., New Brunswick, N. J.

## 8159—Crimping & Beading Machines

See also Sheet Metal Workers' Machine & Tools

**AMERICAN CAN CO.** (Machinery Dept.), ("Rudolphi & Krummel"), Monroe bldg, Chicago, Ill.
*See adv index at end of book*
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**BLISS E. W. CO.** (Sheet Metal), 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Busch J. C. Co. (Hand), 140 Ferry, Milwaukee, Wis.
Ferracute Machine Co., Bridgton, N. J.
Kardong Bros., Minneapolis, Minn.
Leffler Chas. & Co. (For Can Makers, etc), 59 Clymer, Brooklyn, N. Y.
*See adv index at end of book*
Loy & Nawrath Co., 25 Runyon, Newark, N. J.
Metz & Bowles (Beading), Clinton, Ill.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
Packham Crimper Co. ("Packham" Stove & Conductor Pipe Crimpers), Mechanicsburg, Ohio
Peck, Stow & Wilcox Co., Southington, Conn.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Ryerson Jos. T. & Son (Crimping), 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Slaysman & Co. (Canmakers'), 801 E Pratt, Baltimore, Md.
Swaine Fred J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Wheeler W. A. ("Lightning" Crimper), Indianapolis, Ind.
Wold, Torris & Co. (For Can Makers), 240 N Ashland av, Chicago, Ill.

## 8159a—Crinkled Paper Machinery

Paper Working Mach. Co., Av U, Brooklyn, N. Y.

## 8160—Cross Cut Bolting Saw Machines

Rochester Barrel Machine Works, Rochester, N. Y.

## Cross Cut Sawing Machines

See Drag Sawing Machines

## Cross Tie Machines

See Railroad Cross Tie Machines

## 8160a— *Crucible Machinery

**CROSSLEY MACHINE CO.,** State & Chestnut av, Trenton, N. J.
*See adv index at end of book*

## 8161—*Crucible Paste Mixing Machinery

**CRUCIBLE MACHINE CO.,** State & Chestnut av, Trenton, N. J.
*See adv index at end of book*

## 8162— Cupel Machines

**Braun Corporation ("Braun" Produce Homogeneous Cupels),** 363 New High, Los Angeles, Cal.
Braun-Kuecht-Heinmann Co. ("Braun"), 576-584 Mission, San Francisco, Cal.
Calkins Co. ("Advance"), Los Angeles, Cal.
Denver Fire Clay Co. ("Iler"), Denver, Colo.
Iler Fdry. & Mfg. Co., 6605 St. Clair, Cleveland, O.

## 8163—Curled Hair Machinery

**Hood R. H. Co., 1842 Germantown av, Phila., Pa.**

## 8164—Curtain Pole Machines

**Heath W. A. Machine Co., Lestershire, N. Y.**
**Smith H. B. Machine Co., Smithville, N. J.**



## 8165—Curtain Pole Sanding & Finishing Machines

Pringle & Brodie, 514 S Canal, Chicago, Ill.

## 8166—Cutlery Polishing Machines

Dilg Mfg. & Trading Co. ("Acme," "Defiance" Renovator & Polisher), 27 E 125th, New York

## 8167—Cutting Machines (for Fabrics)

American Electric Cutting Mach. Co., 410 E 32d, New York
Cameron Mach. Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*
Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
Hurlbut-Rogers Machinery Co., S Sudbury, Mass.
Maimin H. Co., 251 W 19th, New York
Universal Cutter Co., 4567 Scott av, St. Louis, Mo.
U. S. Cloth Cutting Mach. Co., 414 W Broadway, New York
Wolf Elec'l Promoting Co., 5th & Sycamore, Cincinnati, O.
Wildman Mfg. Co., Norristown, Pa.

## 8167a—Cutting Metal High Speed Machines

**PEERLESS MACHINE CO.,** 1619 Racine, Wis.

## Cutting-Off Machines (Cold Metal)

See Metal Cutting-Off Machines; also Cold Saw Cutting-Off Machines

## Cutting-Off Machines (Wood)

See Wood Cutting-Off Machines

## 8168-9—Cutting-Off and Centering Machines

Etna Machine Co. ("Holton" for Gas Pipe, Small Bars, etc), Toledo, O.

## Cyanide Machinery

See Cyanide Plants

## 8170-1— Dado Machines

Amer. Woodwkg. Machy. Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
**HALL & BROWN WOODWORKING MACHINE CO.** (Combination Saw & Dado Machines), 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Jones Superior Machine Co. ("Superior" Combination Saw & Dado Machine).
Force W. A. & Co., 535 Pearl, New York
1264 W North av, Chicago, Ill.
New Britain Machine Co. ("New Britain," Window Frame), 190 Chestnut, New Britain, Conn.

## Dairy Machinery

See Creamery Machinery

## 8172— Dating Machines

American Perforator Co. (Perforators), 621 W Jackson blvd, Chicago, Ill.
American Railway Supply Co., 134 Charles, New York
Cummins Perforator Co. (Label), 4740 W Ravenswood av, Chicago, Ill.
Force W. A. & Co., 535 Pearl, New York
Premier Machinery Co., Oakland, Cal.
Roberts Numbering Mach. Co. ("Bates" Automatic), 706 Jamaica av, Brooklyn, N. Y.
**SWISHER R. D. MFG. CO.,** 415 S Clinton, Chicago, Ill. *See adv index at end of book*
Traut & Hine Mfg. Co. ("Climax"), New Britain, Conn.

## 8173—Diamond Drilling Machines

Lake Shore Engine Works, Marquette, Mich.

## 8174— Dictating Machines

Columbia Graphophone Co. ("Dictaphone"), 233 B'way, New York
Edison Thomas A., Orange, N. J.

## 8175— Die Casting Machines

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
*See adv index at end of book*
Indiana Die Casting Development Co. (Stationary), Indianapolis, Ind.
Morris Engineering Co. of N. Y., 89 Cortlandt, New York
Sos: Mfg. Co., Grand av, Brooklyn, N. Y.

## 8176—Die Chamfering Machines

Hartford Machine Screw Co., Hartford Conn.

## 8177—Die Cutting Machines

Garvin Machine Co., 147 Varick, New York
Keller Mechanical Engraving Co., 70 Washington, Brooklyn, N. Y.

## 8177a—*Die Forming Machines

Anderson Die Machine Co. ("Anderson") 544 Iraniston av, Bridgeport, Conn.

## 8177b—Die Muzzling Machines

Anderson Die Machine Co. ("Anderson" For Relieving Threading Dies), Bridgeport, Conn.
Clark-Mesker Co., 18511 Euclid av, Cleveland, Ohio.

## 8178—Die Plate Hammering Machines

Bates Machine Co., Joliet, Ill.
**BUFFALO FOUNDRY & MACHINE CO** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 8179—Die Sharpening Machines

**BECKER MILLING MACHINE CO** ("Becker"), Hyde Park, Mass.
National Machinery Co., Tiffin, O.

## 8180— Die Sinking Machines

Becker Milling Machine Co., Hyde Park Mass.
Clark-Mesker Co., 18511 Euclid av, Cleveland, Ohio.
Herbert Alfred Ltd., 54 Dey, New York
*See adv index at end of book*
Jackson Machine Tool Co., Jackson, Mich.
Newton Mach. Tool Works, 23d & Vine, Phila., Pa.
Perkins Henry Co. (Die Making), Bridgewater, Mass.
Pratt & Whitney Co., Hartford, Conn.
Royle Jno. & Sons (Routers), Paterson, N. J.

## 8181—Die Sinking & Milling Machines (Combined)

**Newton Mach. Tool Works, 23d & Vine, Phila., Pa.**
Simmons Machine Co., Inc., 937 Broadway, Albany, N. Y.

## 8182-3—Die Slotting & Shaping Machines

Cochrane-Bly Co., Rochester, N. Y.

## Digging Machinery

See Ditching Machines; also Shovels, Steam

## Digging Machinery (Canal)

See Shovels, Steam

## Disc Notching Machines (Armature)

See Armature Disc Notching Machines

## 8184—Disc Sanding Machines

Oliver Machinery Co., Grand Rapids, Mich.

## 8185—Dish Washing Machines

Blakslee G. S. & Co., W 19th & S 52d av, Chicago, Ill.
Bromley-Merseles Mfg. Co. ("Garis-Cochrane," "Crescent"), 1328 B'way New York

Campbell Wm. Co., 160 Merritt, Detroit, Mich.
Clifton Specialty Co., Inc. (Family), 84 W Mohawk, N. Y.
Crystal Washing Machine Co., 1118 Gratiot, Detroit, Mich.
Domestic Utilities Co., Newark, N. J.
Dunn Mfg. Co., 180 N Dearborn, Chicago, Ill.
Fearless Dish Washer Co., Rochester, N. Y
Hamilton-Low Co. ("Champion," "Vortex"), 62 Van Winkle av, Jersey City, N. J.
Hershey & Sexton Co., 1221 Filbert, Philadelphia, Pa.
Indianapolis Corrugating Co. (Peerless Power), Indianapolis, Ind.
Insinger Co., Stenton av, Phila., Pa.
Kitchen Service Co., 37 W Van Buren, Chicago, Ill.
McFarland-Hyde Co., 2701 S Wells, Chicago, Ill.
Metropolitan Engrg. Co., 1250 Atlantic av, Brooklyn, N. Y.
National Dish Water Co. ("Little Giant"), Binghamton, N. Y.
Success Dish Washing Machine Co., Wooster, O
Walker Bros. Co., Syracuse, N. Y.
Western Elec. Co., 463 West, New York
Wrought Iron Range Co., 5661 Natural Bridge av, St. Louis, Mo.

## 8186—Disinfecting Machinery

American Sterlizer Co., Erie., Pa.
Kny-Scheerer Co., 404 W 27th, New York
McLauthlin Geo. T. Co., 120 Fulton, Boston, Mass.
Vogel Wm. & Bros. (Automatic Drip), 37 S 9th, Brooklyn, N. Y.

## 8186a— Dissolving Machines

Lummus Walter E. Co. (For Caustic Soda & Similar Lump Chemicals), 171 Milk, Boston, Mass.

## 8187— Distillers' Machinery

Caldwell W. E. Co., Louisville, Ky.
Grainger & Co., Louisvville, Ky.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Simpson-Orville Co., Cincinnati, O.

## 8188— Ditching Machines

See also Road Machines & Graders; also Road Scrapers, Drag & Wheel; also Shovels, Steam; also Ditching Machines, Traction
American Road Machinery Co., Kennett sq., Pa.
**AUSTIN MACHINERY CORPORATION, INC.**, Ry Exch. bldg, Chicago, Ill.
*See adv index at end of book*
Bay City Dredge Works, Bay City, Mich.
Buckeye Traction Ditcher Co. (Traction), Findlay, O.
Edwards C. D., Albert Lea, Minn.
Enterprise Co., Columbiana, O.
Good Roads Machinery Co., Kennett Square, Pa.
International Ditching & Road Machinery Co., Owensboro, Ky.
Jeschke Edw., Bellevue, O.
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Little Giant Co. ("Little Giant"), Mankato, Minn.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Osgood Co., Marion, Ohio
Owensboro Ditcher & Grader, Owensboro, Ky.
Parsons Co., Newton, Ia.
Russell Grader Mfg. Co. ("Russell" Grader & Ditcher), 2005 Univ. av, S E, Minneapolis, Minn.
Sargent Tile Ditcher Co. ("Sargent" Tile Ditcher), Ft. Dodge, Ia.
Simplex Farm Ditcher Co., Owensboro, Ky.
Smith & Sons Mfg. Co., Kansas City Mo.
Umstead Power Ditcher, Upper Sandusky, Ohio
United Iron Works, Inc. ("Bowman" "Turner Drg Line"), Kansas Clay, Mo.
Wickes Bros., Saginaw, Mich.

## 8189—Ditching Machines (Railroad)

See also Ditching Machines; also Shovels Steam
American Hoist & Derrick Co. ("American"), St. Paul, Minn.
Austin Mfg. Co., 910 S Mich. av, Chicago, Ill.
Buckeye Traction Ditcher Co. ("Buckeye" Traction Ditcher), Findlay, O.
Gade, C. L., Iowa Falls, Ia.
Maheney Railroad Ditching Machine Co., Vincennes, Ind.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Parsons G. W. Co., Newton, Pa.
United Iron Works, Inc. ("Bowman"), Kansas City, Mo.
Western Wheeled Scraper Co., Aurora, Ill.

## 3190—Ditching Machines (Tile)

**AUSTIN MACHINERY CORPORATION, INC.**, R'y Exch. bldg, Chicago, Ill.
*See adv index at end of book*
Bennet H. L. & Co. ("Bennet"), Westerville, O.
Buckeye Traction Ditcher Co. ("Buckeye" Gasoline & Traction), Findlay, O.
Gade, C. L., Iowa Falls, Ia.
Jeschke Edw. ("Cyclone"), Bellevue, O.
St. Paul Machinery Mfg. Co. ("Hovland"), Como & Marion, St. Paul, Minn.

## 8191—Ditching Machines (Traction)

See also Ditching Machines
Buckeye Traction Ditcher Co., Findlay, O.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Parsons Co., Newton, Ia.

## 8192—Double Seam & False Wire Machines

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Wold, Torris & Co. (For Can Makers), 240 N Ashland av, Chicago, Ill.

## 8193— Double Seaming Machines

Adriance Machine Works (Automatic), 80 Richard, Brooklyn, N. Y.
**AMERICAN CAN CO. (Machinery Dept.)**, "Rudolphi & Krummel," for Tin & Sheet Metal Work), Monroe bldg, Chicago, Ill. *See adv index at end of book*
Ams Max Machine Co. (For Round & Square Cans), Bridgeport, Conn.
**BLISS E. W. Co. (Sheet Metal)**, 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Leffler Chas. & Co. (For Can Makers, etc), 59 Clymer, Brooklyn, N. Y.
*See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Premier Machinery Co., Oakland, Cal.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Swaine Fred. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co., Toledo, O.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

## 8194—Dough Braking Machines

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Champion Machinery Co. (Automatic), Joliet, Ill.
Rockwell L. A. Co. (Upright & Reversible), 430 Smith, Brooklyn, N. Y.

## 8195— Dough Dividing Machines

American Bakers Machinery Co., 2121 N 9th, St. Louis, Mo.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Champion Machinery Co. ("Champion"), Joliet, Ill.
Day J. H. Co., Cincinnati, O.
Dutchess Tool Co. "Van Houten" Automatic), Fishkill on Hudson, N. Y.
Katzinger Edw. Co. ("Ekco" Automatic), 122 N Peoria, Chicago, Ill.
Triumph Mfg. Co. ("Triumph"), Cincinnati, O.
Zoeller Wm. Co. ("36 Part"), 325 N Curtis, Chicago, Ill.

## 8196—Dough Mixing & Kneading Machinery

See also Mixers, Bread
American Bakers Machinery Co., 2121 N 9th, St. Louis, Mo.
American Clay Machinery Co. (The), S Walnut, Bucyrus, Ohio
*See adv index at end of book*
American Oven & Machine Co. ("New Era"), 111 W Wash., Chicago, Ill.
Baker's Sons J. &. Perkins Co., Inc. ("Monarch," "Peerless," 78 Different Classes & Types), White Plains, N. Y.
Champion Machinery Co., Joliet, Ill.
Christiana Machine Co., Christiana, Pa.
Day J. H. Co., Cincinnati, O.
Elmes Chas. F. Engineering Works Inc., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Jaburg Bros, 10 Leonard, New York
Oelman Machine Co., 224 St. Antonie, Detroit ,Mich.
Peerless Bread Machine Co., Sidney, Ohio.
Read Machinery Co. ("Three-Speed"), York, Pa.
Rockwell L. A. Co., 430 Smith, Brooklyn, N. Y.
Triumph Mfg. Co. ("Triumph"), Cincinnati, O.

## 8197— Dough Moulding Machines

American Bakers Machinery Co., 2121 N 9th, St. Louis, Mo.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Day J. H. Co., Cincinnati, O.
Peerless Bread Machine Co., Sidney, Ohio.
Thomson Machine Co. ("Thomson," Combination Roll), Belleville, N. J.
Triumph Mfg. Co., Cincinnati, O.

## 8198—Dovetail Glue Matching Machines

Linderman Steel & Machine Co., Muskegon, Mich.

## 8199— Dovetail Machines

American Steam Pump Co. ("Boult's"), Battle Creek, Mich.
Dodds Alex. Co. (Gang), Grand Rapids, Mich.
Fay J. A. & Egan Co., Cincinnati, O.
Fischer Machine Works (Single), 1845 Carroll av, Chicago, Ill.
Goodspeed Machine Co. ("Stimpson's"), Winchendon, Mass.
Linderman Steel & Machine Co., Muskegon, Mich.
St. Paul Machinery Mfg. Co., Como & Marion, St. Paul, Minn.
Wysong & Miles Co., Greensboro, N. C.

## 8200—Dowel Cutting & Pointing Machines

Dauber Bell Machine Co., Oshkosh, Wis.

## 8201—Dowel Door Machinery

Hayes E. B. Machy. Corp., Oshkosh, Wis.
Wilkin-Challoner Co., Oshkosh, Wis.

## 8202—Dowel Driving Machines

Dauber Bell Machine Co., Oshkosh, Wis.

## Dowel Machines

See Rod, Pin & Dowel Machinery

## 8203— Dowelling Machines

Goodell-Pratt Co., Greenfield, Mass.

## 8204— Drafting Machines

Universcal Drafting Machine Co., 1426 W 3d, Cleveland, Ohio.

## 8205—Drag Sawing Machines

Appleton Mfg. Co. ("Hero"), Batavia, Ill.
Atkins E. C. & Co., Indianapolis, Ind.
Challoner Co., Oshkosh, Wis.
Cocker Saw Mfg. Co., Lockport, N. Y.
Farquhar A. B. Co. (Ltd.), York, Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heebner & Sons (Horse Power), Lansdale, Pa.

DRAG SAWING MACHINES—continued
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
**IRELAND MACHINE & FOUNDRY CO.**, Norwich, N. Y.
*See adv index at end of book*
Kline Lewis T., Alpena, Mich.
Oliver Machinery Co., Grand Rapids, Mich.
Rochester Barrel Mach. Wks., Rochester, N. Y.
Simonds Mfg. Co., Fitchburg, Mass.
*See adv index at end of book*
Success Seed Grader Co., Spokane, Wash.
Taylor Iron Works & Supply Co., Macon, Ga.
Wade R. M. & Co. (Gasoline, 4 H. P.), 322 Hawthorne av, Portland, Ore.
Walraven Co. (The), 36-38 W Alabama, Atlanta, Ga.
*See adv index at end of book*
Worden W. H. Co., 126 Pine, San Francisco, Cal.

## 8206— Drain Tile Machinery

See also Cement Sewer Pipe Machinery
American Clay Machinery Co., S Walnut, Bucyrus, O.
*See adv index at end of book*
Arnold-Creager Co., New London, O.
Bonnot Co., Canton, O.
Brazil Machine & Foundry Co., Brazil, Ind.
Brewer H. & Co., Tecumseh, Mich.
Cardington Cabinet Co. (Hand), Cardington, O.
Century Cement Machine Co., Rochester, N. Y.
Fate-Root-Heath Co., Plymouth, O.
Freese E. M. & Co., Gallon, O.
International Clay Machy. Co., Dayton, O.
Quinn Wire & Iron Works, Boone, Ia.
Sioux City Engine & Machy. Co. ("McCracken"), Sioux City, Ia.
Wallace Mfg. Co., Frankfort, Ind.

## 8207-8—Draw Bridge Machinery

See also Bridge Machinery for Bascule Bridges
Currier Cyrus & Sons, 365 Market, Newark, N. J.
Earle Gear & Machine Co., Phila., Pa.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*
McMyler-Interstate Co., Bedford, O.
Nichols Geo. P. & Bro. (Electrical), 2139 Fulton, Chicago, Ill.
*See adv index at end of book*
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.

## 8209-10—Dredging Machinery

See also Excavators, Steam; also Excavating Machinery
Atkinson W. H. Co., Hoboken, N. J.
Bartlett A. F. & Co., Saginaw, Mich.
Bay City Dredge Works, Bay City, Mich.
Browning Co., E 162d & Waterloo rd N E, Cleveland, O.
**BROWNING SOMMERS ADAMS CO.**, Lake Shore blvd, Cleveland, O., Mansfield, O., & College Point, New York
*See adv index at end of book*
Bucyrus Co., South Milwaukee, Wis.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av, New Orleans, La.
Duncan Co., 508 Water, Toledo, O.
Earle Gear & Machine Co., Stenton & Wyoming, Phila., Pa.
**ELLICOTT MACHINE CORP.**, 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Fairbanks Steam Shovel Co. (Steam Dredges), Marion, O.
Flory S. Mfg. Co., Bangor, Pa.
Golden State & Miners' Iron Works, 249 1st, San Francisco, Cal.
Hammond Mfg. Co., Kamm bldg, Portland Ore.
Hardie Tynes Mfg. Co., Birmingham, Ala.
Hayward Company (Using All Types of Automatic or Grab Buckets & Drag Scraper Buckets), 30 Church, New York *See adv index at end of book*

HAYWARD BUCKETS
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Jackson Byron Iron Works, Berkeley, Cal.
Jackson & Church Co., Saginaw, Mich.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O.
*See adv index at end of book*
Jennings Pump & Dredge Co., 180 N, Dearborn, Chicago, Ill.
Krogh Pump & Machy. Co., 147 Beale, San Francisco, Cal.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
*See adv index at end of book*
Manitowoc Shipbuilding Co. (Steel & Dipper Dredges), Manitowoc, Wis.
Marine Iron Works, 2036 Dominick, Chicago, Ill.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
New York Engng. Co. ("Gold"), 2 Rector, New York
Osgood Co., Marion, Ohio
Pittsburgh Model Engine Co. (4 6, & 8 cylinder vertical engine), Lexington & McPherson, Pittsburgh, Pa.
Portland Co., Portland, Me.
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Stockton Iron Works (Portable), Stockton, Cal.
Superior Iron Works Co., Superior, Wis.
Toledo Foundry & Machine Co., Toledo, O.
Treadwell M. H. Co., 140 Cedar, New York
United Iron Works, Oakland, Cal.
Wickes Bros. (Dry Land), Saginaw, Mich.
**YUBA MANUFACTURING CO.**, Marysville, Cal., & 433 California, San Francisco, Cal.

## 8211—Dredging Machinery (Gasoline)

Fairbanks Steam Shovel Co., Marion, O.

## 8212—Dredging Machinery (Hydraulic)

Bucyrus Co., South Milwaukee, Wis.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
**ELLICOTT MACHINE CORP.**, 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Great Lakes Engineering Works, Real Estate Exch. bldg, Detroit, Mich.
Jennings Pump & Dredge Co., 180 N. Dearborn, Chicago, Ill.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Morris Machine Works, Baldwinsville, N. Y.
National Iron Co., Duluth, Minn.
Norton Engng. Co., Denckla bldg, Phila., Pa.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Treadwell M. H. Co., 140 Cedar, New York
**VULCAN IRON WORKS, INC.**, Hudson & Essex, Jersey City, N. J.

## 8213—Dried Beef & Bacon Slicing Machines

Allbright-Nell Co., 5315 Western av, Chicago, Ill.
**LINK-BELT CO.** ("Link-Belt" Automatic), 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 8214—Drill Sharpening Machines

Denver Rock Drill Mfg. Co., Denver, Colo.
Hardsocg Wonder Drill Co. ("Wonder" Pneumatic), Ottumwa, Ia.
Ingersoll-Rand Co., 11 Broadway, New York *See adv index at end of book*
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Lake Shore Engine Works ("Superior"), Marquette, Mich.
Leyner J. Geo. Engineering Works Co. ("Leyner"), Littleton, Colo.
Shaw C. H. Pneumatic Tool Co. ("Shaw," for Air Rock Drills, etc.), Denver, Colo.

## 8215— Drilling Machines

See also Sub-Classifications following
Albany Hdwe Specialty Mfg. Co., Albany, Wis.
Allen Chas. G. Co. ("Allen"), Barre, Mass.
American Machine Products Co., 18th & Howard, Detroit, Mich.
Aurora Tool Works, Aurora, Ind.
Avey Drilling Machine Co. ("Avey" Ball Bearing & Single Spindle), Covington, Ky.
B. E. S. Tool & Mfg. Co. (Water Power), Rockford, Ill.
Baker Bros., Toledo, O.
Barnes Drill Co. (All-Geared), Rockford, Ill.
Betts Machine Co., 420 Blossom rd, Rochester, N. Y.
*See adv index at end of book*
Bilton Slate Machine Tool Co., The ("Dwight State," "New Elmore," High Speed Ball Bearing), Bridgeport, Conn.

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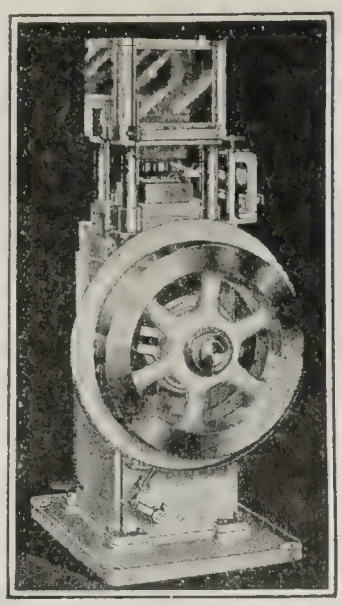

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Clough R. M., Tolland, Conn.
Coates Clipper Mfg. Co. ("Coates" Flexible Shaft), Worcester, Mass.
**Colburn Machine Tool Co. (Heavy Duty), Ivanhoe rd, Cleveland, Ohio.**
**Davis Machine Tool Co., Rochester, N. Y.**
Detroit Tool Co., 1487 St. Antoine, Detroit, Mich.
Dooley Bros. (Coal), 1201 S Washington, Peoria, Ill.
Edlund Machinery Co., Inc., Cortlandt, N. Y.
Enterprise Machinery Co. Inc. (Presses), 32-34 S Clinton, Chicago, Ill.
Foote-Burt Co. (High Duty), 4101 St. Clair av., Cleveland, O.
Fosdick Machine Tool Co., Cincinnati, O.
Fulton Tool Wks. (Coal Miners), ("Fulco," "Fulton"), Huntington, W. Va.
**GEM MFG. CO.** ("Gem." Portable Screw Feed for Use with Flexible Shafting), Goebel, nr Fulton, N. S., Pittsburgh, Pa. *See adv index at end of book*
**Guarantee Machine Co., Grand Rapids Mich.**
Henry & Wright Mfg. Co., 760 Windsor, Hartford, Conn.
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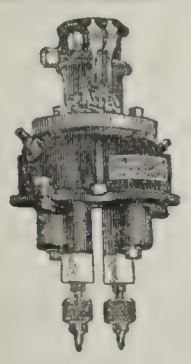
Herbert Alfred Ltd., 54 Dey, New York.
*See adv index at end of book*
Hoefer Mfg. Co., Freeport, Ill.
**Hoosier Drilling Machine Co. ("Hoosier"), Goshen, Ind.**
International Machine Tool Co., 1111 Power av, Cleveland, Ohio
Kane & Roach, Syracuse, N. Y.
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Knickerbocker Machine Works, 161 Perry, New York
Knight W. B. Machinery Co., 3920 W Pine blvd., St. Louis, Mo.
**Lakeside Bridge & Steel Co., North Milwaukee, Wis.** *See adv index at end of book*
**Lucey Mfg. Corp. of Tenn., Chattanooga, Tenn.**
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Millers Falls Co. ("Universal" Hand), 28 Warren, New York
Nelson-Blanck Mfg. Co. (Multiple Spindle), Dulois & Clay, Detroit, Mich.
*See adv index at end of book*
Newhall Chain, Forge & Iron Co., ("Trident"), 89 West, New York
Oil Well Supply Co. (Core), 215 Water, Pittsburgh, Pa.
Reed Francis Co. ("Reed" & "H. G. Barr"), Worcester, Mass.
Reed-Prentice Co., 53 Franklin, Boston, Mass.
**Richmond Metal Products Co., Inc., 5th and Arch, Richmond, Va.**
Rockford Drilling Machine Co., Rockford, Ill.
Ryerson Joseph T. & Son (Metal), 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Seeger Machine Tool Co., 34 Forsyth, Atlanta, Ga.
*See adv index at end of book*
Sibley Machine Co. (Geared), 70 Tutt, South Bend, Ind.
Sigourney Tool Co., Hartford, Conn.
Silver Mfg. Co. (Power), 256 Salem, O.
**STOW MFG. CO.** (& Plain, Screw, Feed & Automatic Drill Presses), Binghamton, N. Y. *See adv index at end of book*
**Superior Machine Tool Co., Kokomo, Ind.**
Taylor & Fenn Co. (Four Spindle Simultaneous Feed), Hartford, Conn.
Townsend H. P. Mfg. Co. (High Speed), Hartford, Conn.
Twin-O-Matic Machine & Tool Co., Inc., 160 John, Brooklyn, N. Y.
*See adv index at end of book*
U. S. Mach. Tool Co. ("U. S."), Cincinnatti, O.
**WALRAVEN CO. (THE), 36-38 W, Alabama, Atlanta, Ga.**
*See adv index at end of book*
Wilcor Mfg. Co. (Duplex), 4824 W Lake, Chicago, Ill.

## 8216—Drilling Machines (Automatic)

Baush Machine Tool Co., Springfield, Mass
Bilton Machine Tool Co., The ("Dwight Slate"), Bridegport, Conn.
Cincinnati Automatic Machine Co. (Multiple Spindle), Cincinnati, Ohio.
Garvin Machine Co., 147 Varick, New York
**Goodell-Pratt ("Mr. Punch"), Greenfield, Mass.**
Herbert Alfred Ltd., 54 Dey, New York.
*See adv index at end of book*
Hoefer Mfg. Co., Freeport, Ill.
Pratt & Whitney Co., Hartford, Conn.
Star Expansion Bolt Co. ("Spring Hammer"), 145 Cedar, New York

## 8217-8—Drilling Machines (Bench)

Allen Machine Co., 1585 Columbus rd., Cleveland, O.
**AMES B. C. CO.** ("Ames" Sensitive), North Station, Waltham, Mass.
Barnes W. F. & Jno. Co., Rockford, Ill.
Blissfield Motor Works ("Davenport"), Blissfield, Mich.
**Burke Machine Tool Co., Conneaut, O.**
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Clark Jas. Jr. Electric Co. (Sensitive "Willey," Electrically Driven), Louisville, Ky.
D'Amour Machine Works ("D'Amour," Drill Press), 78 Cortlandt, New York
Fenn Mfg. Co. ("Fenn"), 385 Broad, Hartford, Conn.
Gardam Wm. & Son (Sensitive Type), 114 Park pl, New York
Garvin Machine Co., 147 Varick, New York
Goodell-Pratt Co. (Hand & Power), Greenfield, Mass.
Gowanda Agricultural Works (for Cutlery Factories), Gowanda, N. Y.
Herbert Alfred Ltd., 54 Dey, New York
*See adv index at end of book*

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Pratt & Whitney Co., Hartford, Conn.
Reed Francis Co. ("Reed" & "H. G. Barr"), Worcester, Mass.
Rockford Drilling Machine Co., Rockford, Ill.
Sigourney Tool Co., Hartford, Conn.
Silver Mfg. Co., 256 Salem, O.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Smurr & Kamen Machine Co. ("Champion"), 328 N Albany, Chicago, Ill.
Standard Electric Tool Co. (Electric), York & Western av, Cincinnati, O.
Stecher Chas. Co. (High Speed & "Heavy Duty"), 1580 Crossing, Chicago, Ill.
Strong, Carlisle & Hammond Co. (The Ideal), 336 Frankfort av, Cleveland, O.
United States Electrical Tool Co., Cincinnati, O. *See adv index at end of book*
Van Dorn Electric Tool Co., 2978 Woodhill, Cleveland, O.

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Canedy-Otto Mfg. Co. ("Western Chief," Automatic Self-Feed), Chicago Heights, Ill.
Champion Blower & Forge Co., Lancaster, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Illinois Iron & Bolt Co. (Horizontal & Upright), Carpentersville, Ill.
Russ Co., 5700 Walworth av, Cleveland, O
Silver Mfg. Co., 256 Salem, O.
Southern Skein & Foundry Co. (Horizontal), Chattanooga, Tenn.

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Ingersoll-Rand Co., 11 B'way, New York *See adv index at end of book*
Mueller Machine Tool Co., 2427 Colerain av, Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Silver Mfg. Co., 256 Salem, O.

## 8221—Drilling Machines (Caster Wheel)

Hoefer Mfg. Co., Freeport, Ill.

## 8222—Drilling Machines (Clock Pinion)

Davenport Machine Tool Co. (Automatic), New Bedford, Mass.

## 8223—Drilling Machines (Cotter & Key-Seat)

Niles-Bement-Pond Co., 111 B'way, New York

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Moline Tool Co., Moline, Ill.

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Cincinnati-Bickford Tool Co., Cincinnati, Ohio
Colburn Machine Tool Co., Franklin, Pa.
Gardam Wm. & Son, 114 Park pl, New York
Garvin Machine Co., 147 Varick, New York
Herbert Alfred Ltd., 54 Dey, New York *See adv index at end of book*
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Moline Tool Co., Moline, Ill.
Pratt & Whitney Co., Hartford, Conn.
Rockford Drilling Machine Co., Rockford, Ill.
Rockford Machine Tool Co. (2, 3, 4, 5 & 6 Spindles, Box or Single Columns), Rockford, Ill.
Wells Frank L. Co., Kenosha, Wis.

## 8226—Drilling Machines (Gun Barrel)

Diamond Machine Co. ("Diamond"), Providence, R. I.
Pratt & Whitney Co., Hartford, Conn.

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Cleveland Machine Tool Co., Cleveland, O.
Garvin Machine Co., 147 Varick, New York
Herbert Alfred Ltd., 54 Dey, New York *See adv index at end of book*
Moline Tool Co., Moline, Ill.
Morris Machine Tool Co. ("Morris"), Court & Harriet, Cincinnati, O.

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Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

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Andrew M. L. & Co., Cincinnati, O.
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Baker Bros., Toledo, O.
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Bilton Machine Tool Co., The, ("Dwight Slate" Automatic Feed), Bridgeport, Conn.
Buckeye Drill & Lathe Co., Marion rd, Columbus, Ohio.
Cincinnati Automatic Machine Co. (Automatic), Cincinnati, Ohio. *See adv index at end of book*
Clark Jas. Jr. Electric Co. ("Willey," Three Spindle Electrically Driven), Louisville, Ky.
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Detroit Tool Co., 1487 St. Antoine, Detroit Mich.
Foote-Burt Co., 4101 St. Clair av, Cleveland, O.
**Fox Machine Co., Jackson, Mich.**
Garvin Machine Co., 147 Varick, New York
Gowanda Agricultural Works (3 Spindle), Gowanda, N. Y.
Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.
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Langelier Mfg. Co., Arlington, Providence, R. I.
Moline Tool Co., Moline, Ill.
National Acme Co., 7500 Stanton av., Cleveland, O.
National Automatic Tool Co. ("Natco," Full Automatic Universal), Richmond, Ind.
Nelson-Blanck Mfg. Co., Dulois & Clay av, Detroit, Mich. *See adv index at end of book*
**Newton Machine Tool Works, 23d & Vine, Phila., Pa.**
Pratt & Whitney Co., Hartford, Conn.
Reed Francis Co. ("Reed" & "H. G. Barr," 5 to 10 Spindles), Worcester, Mass.
**Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.**
Sigourney Tool Co., Hartford, Conn.
Superior Machine Tool Co., Kokomo, Ind.
Taylor & Fenn Co., Hartford, Conn.
Valley City Mach. Works, Grand Rapids Mich.

## 8231—Drilling Machines (Portable)

See also Drills, Hand; also Pneumatic Drills

Cincinnati Electric Tool Co. ("Cincinnati" Electrical, Scotch Radial & Universal Drills), Cincinnati, O.
Coates Clipper Mfg. Co. ("Coates" Flexible Shaft), Worcester, Mass.
Dallett Thos. H. Co., Phila., Pa.
**GEM MFG. CO.** ("Gem" Flexible Shaft, Rope & Motor Driven), Goebel, nr Fulton, N. S., Pittsburgh, Pa. *See adv index at end of book*
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
**INGERSOLL-RAND CO.** ("Little David"), 11 Broadway, New York *See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa. *See adv index at end of book*
Lapointe J. N. Co., New London, Conn.
Newton Machine Tool Works (Electrically Driven), 23d & Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Snyder J. E. & Son, Worcester, Mass.
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.
**STOW MFG. CO.** (Flexible Shaft, Belt Driven), Binghamton, N. Y. *See adv index at end of book*
Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, O.
**UNITED STATES ELECTRICAL TOOL CO.** (Electric), Cincinnati, O. *See adv index at end of book*

## 8232—Drilling Machines (Radial)

Almond Mfg. Co., 1516 E 32d, Cleveland, O.
American Tool Works Co., Cincinnati, O.
Baush Machine Tool Co., Springfield, Mass.
Carlton Machine Tool Co., Cincinnati, O.
Cincinnati-Bickford Tool Co., Cincinnati, Ohio
Clark Jas., Jr., Electric Co. ("Willey," Radial Electrically Driven), Louisville, Ky.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, Ohio
Dreses Machine Tool Co., Cincinnati, O.
Fosdick Machine Tool Co., Cincinnati, O.
Henry & Wright Mfg. Co., 760 Windsor, Hartford, Conn. *See adv index at end of book*
Hilbert Machine Co., 2116 Colerain av, Cincinnati, O.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Kane & Roach, Syracuse, N. Y.
Kling Bros. Engineering Works, 2035 Charleston, Chicago, Ill.
**LAKESIDE BRIDGE & STEEL CO.,** North Milwaukee, Wis. *See adv index at end of book*
Midland Machine Co., 1218 Hastings, Detroit, Mich.
Morris Machine Tool Co., Court & Harriet, Cincinnati, O.
Mueller Machine Tool Co. (Cone Driven, 2½ to 4 Foot Arm, etc), 2427 Colerain av, Cincinnati, O.
Newton Machine Tool Works, 23 & Vine, Phila., Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Optenberg Iron Works, Sheboygan, Wis.
Reed-Prentice Co., 53 Franklin, Boston, Mass.
Ryerson Joseph T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Strong, Carlisle & Hammond Co., 336 Frankfort av N W, Cleveland, O.
Taylor & Fenn Co. (Light), Hartford, Conn.
Western Machine Tool Works, Holland, Mich.

## 8233—Drilling Machines (Radial Wall)

Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Wickes Bros., Saginaw, Mich.

## 8234—Drilling Machines (Rail)

Newton Machine Tool Works, 23d & Vine, Phila., Pa.

## 8235—Drilling Machines (Rivet)

**Langelier Mfg. Co., Arlington, Providence, R. I.**
**Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.**

## 8236—Drilling Machines (Sensitive)

American Tool Works Co., Cincinnati, O.
**AMES B. C. CO.** ("Ames" Bench), North Station, Waltham, Mass.
*See adv index at end of book*
Avey Drilling Machine Co. ("Avey"), Covington, Ky.
Barnes W. F. & Jno. Co., Rockford, Ill.
Berghausen Machine Co., 2128 Colerain av, Cincinnati, O.
Bilton Machine Tool Co., The, ("Dwight Slate"), Bridgeport, Conn.
Blomquist-Eck Machine Co., 1146 E 152nd, Cleveland, O.
Carlton Machine Tool Co., Cincinnati, O.
Cleveland Machinery & Supply Co., Union bldg., Cleveland, O.
Demco Machine Tool Co. (High Speed), 706 Frankfort av, Cleveland, O.
Edlund Machinery Co., Inc., Cortland, N.Y.
Fastfeed Drill & Tool Corp., Toledo, Ohio.
Fox Machine Co., Jackson, Mich.
Gardam Wm. & Son, 114 Park pl, New York
Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.
**HENRY & WRIGHT MFG. CO.,** 760 Windsor, Hartford, Conn.
*See adv index at end of book*
High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
Hoefer Mfg. Co., Freeport, Ill.
Johnson Machine Tool Co., Gouverneur, N. Y.
Langelier Mfg. Co. (Plain, Ball Bearing, High Speed, Motor Driven), Arlington, Providence, R. I.
Leland-Gifford Co. (High Speed Heavy Duty), Worcester, Mass.
Myers Machine Tool Co. ("Myers"), Columbia, Pa.
North Wales Machine Co., North Wales, Pa.
Oliver W. W. Mfg. Co., 1483 Niagara Falls, Buffalo, N. Y.
Pratt & Whitney Co., Hartford, Conn.
Reed Francis Co. ("Reed," "H. G. Barr" Plain & Ball Bearing), Worcester, Mass.
Rockford Drilling Machine Co., Rockford, Ill.
Rockford Machine Tool Co., Rockford, Ill.
Ryerson Joseph T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
**SIBLEY MACHINE CO.,** 70 Tutt, South Bend, Ind.
Sibley Upright Drill Co. (Upright High Speed), South Bend, Ind.
Sigourney Tool Co., Hartford, Conn.
Snyder J. E. & Son, Worcester, Mass.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*
Taylor & Fenn Co., Hartford, Conn.
Townsend H. P. Mfg. Co., Hartford, Conn.
U. S. Mach. Tool Co. ("U. S."), Cincinnati, O
Washburn Shops, Worcester, Mass.
Wisconsin Electric Co. ("Dumore," Elec.) 1600 Racine av, Racine, Wis.
*See adv index at end of book*

## 8237—Drilling Machines (Stay Bolt)

Foote-Burt Co. (4 Spindle), 4101 St. Clair av, Cleveland, O.

## 8238—Drilling Machines (Suspension)

Baush Machine Tool Co., Springfield, Mass.
Birch & Birch, Crawfordsville, Ind.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Kling Bros. Engineering Works, 2035 Charleston, Chicago, Ill.
Reed Francis Co., Worcester, Mass.

## 8239—Drilling Machines (Tire)

Reed Francis Co., Worcester, Mass.

## 8240—Drilling Machines (Traverse)

Moline Tool Co. (Traversing Head), Moline, Ill.
Pratt & Whitney Co. (Double Head), Hartford, Conn.

## 8241—Drilling Machines (Tube Hole)

Bethlehem Steel Co., South Bethlehem, Pa.

## 8242—Drilling Machines (Turret)

Quint A. D., Hartford, Conn.
Turner Machines Co., Danbury, Conn.

## 8243—Drilling Machines (Universal Radial)

American Tool Works Co., Cincinnati, O.
Cincinnati-Bickford Tool Co., Cincinnati, Ohio
Dreses Machine Tool Co., Cincinnati, O.
Niles-Bement-Pond Co., 111 B'way, New York
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.

## 8244—Drilling Machines (Vertical)

Aurora Tool Works (14 to 44 inch Swing), Aurora, Ind.
Avey Drilling Machine Co., Covington, Ky.
Baker Bros., Toledo, O.
Barnes Drill Co. (Inc.), Rockford, Ill.
Barnes W. F. & Jno. Co. (8 to 50 inch Swing), Rockford, Ill.
Bilton Machine Tool Co., The, ("Dwight Slate"), Bridgeport, Conn.
Buckeye Drill & Lathe Co, Marion rd, Columbus, Ohio.
Champion Blower & Forge Co., Lancaster, Pa.
Cincinnati-Bickford Tool Co., Cincinnati, Ohio
Cleveland Machinery & Supply Co., Union bldg., Cleveland, O.
Davis Machine Tool Co., Rochester, N. Y.
Fosdick Machine Tool Co. ("Fosdick"), Cincinnati, Ohio.
Fox Machine Co., Jackson, Mich.
Gardam Wm. & Son, 114 Park pl, New York
Henry & Wright Mfg. Co., 760 Windsor, Hartford, Conn.
*See adv index at end of book*
Hilbert Machine Co., 2116 Colerain av, Cincinnati, O.
Hoefer Mfg. Co., Freeport, Ill.
Illinois Iron & Bolt Co. ("Illinois" Hand Power), Carpentersville, Ill.
Langelier Mfg. Co., Arlington, Providence, R. I.
Moline Tool Co., Moline, Ill.
Niles-Bement-Pond Co., 111 B'way, New York
Pratt & Whitney Co., Hartford, Conn.
Reed Francis Co. ("Reed" & "H. G. Barr") Worcester, Mass.
Richards Machine Co., 3417 Vliet, Milwaukee, Wis.
Rockford Drilling Machine Co. ("Mechanics"), Rockford, Ill.
Rockford Machine Tool Co. (14, 17, 20, 23, 24, 26, 28, 32, 36 inch Sliding Head, etc), Rockford, Ill.
Royersford Foundry & Machine Co. ("Excelsior"), Royersford, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
**SIBLEY MACHINE CO.,** 70 Tutt, South Bend, Ind.
Sigourney Tool Co., Hartford, Conn.
Sloan & Chass Mfg. Co., 351 6th av, Newark, N. J.
Snyder J. E. & Son, Worcester, Mass.
Stark Tool Co. (1 to 5 Spindles), Waltham, Mass.
Superior Machine Tool Co. ("Kokomo Hi-Speed"), Kokomo, Ind.
Taylor & Fenn Co., Hartford, Conn.
U. S. Mach. Tool Co. ("U. S."), Cincinnati, O.

## 8245—Drilling & Countersinking Machines

Baush Machine Tool Co., Springfield, Mass.
**CHICAGO PNEUMATIC TOOL CO.,** (Pneumatic), 6 E 44th, New York
*See adv index at end of book*
**LAKESIDE BRIDGE & STEEL CO.,** North Milwaukee, Wis.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.

## 8246—Drilling & Milling Machines (Combined)

Cleveland Machine Tool Co., Cleveland, O.
Clough R. M. (Vertical Bench), Tolland, Conn.
Fosdick Machine Tool Co., Cincinnati, O.
Knight W. B. Machinery Co., 3920 W Pine blvd, St. Louis, Mo.
Superior Machine Tool Co., Kokomo, Ind.

## 8247—Drilling & Reaming Machines

Hoefer Mfg. Co. (Automobile Piston), Freeport, Ill.
**LAKESIDE BRIDGE & STEEL CO.,** North Milwaukee, Wis.
*See adv index at end of book*

## 8248—Drilling & Tapping Machines

American Tool Works Co., Cincinnati, O.
Aurora Tool Works, Aurora, Ind.
Baker Bros., Toledo, O.
Carlton Machine Tool Co. (Radial), Cincinnati, O.
Cincinnati-Bickford Tool Co. (24 to 42 inch, Upright, Heavy Pattern), Cincinnati, O.
Cleveland Machine Tool Co., Cleveland, Ohio
Fay Machine Tool Co. (Drilling, Threading & Tapping), 2d & Glenwood av, Phila., Pa.
Fosdick Machine Tool Co. (Drilling), Cincinnati, O.
Garvin Machine Co., 147 Varick, New York
Hammond Mfg. Co., 2139 Hamilton av, Cleveland, Ohio
Langelier Mfg. Co. (Horizontal), Arlington, Providence, R. I.
Newton Machine Tool Works, 23d & Vine, Phila., Pa.
Pratt & Whitney Co., Hartford, Conn.
**STOW MFG. CO.** (Portable), Binghamton, N. Y. *See adv index at end of book*
Taylor & Fenn Co. (Radial), Hartford, Conn.

## 8249—Drilling & Tapping Machines (Combined)

Anderson Machine Works, Peekskill, N. Y.
Barber M. A., Norwich, Conn.
Baush Machine Tool Co., Springfield, Mass.
Herbert Alfred Ltd., 54 Dey, New York
*See adv index at end of book*
Hoefer Mfg. Co., Freeport, Ill.
Pratt & Whitney Co., Hartford, Conn.

## 8250—Drilling & Turning Machines

Garvin Machine Co. (Four Head Right Angle), 147 Varick, New York

## 8251—*Drop Forging Machinery

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8252— Drying Machinery

See also Dryers, Various Kinds

Cummer F. D. & Son Co. (Direct Heat Dryers for all purposes), Superior Arcade, Cleveland, O.
*See adv index at end of book*
Drying Systems Inc. (Engineers) (For Chemicals, Colors, Dyes, Enamels, Foods, Leathers, Textiles, etc), 910 So. Michigan av, Chicago, Ill.
No-Dust Drying Machine Co. ("No-Dust"), 157 Dorrance, Providence, R. I.
Smith Richardson Co. ("Richardson"), Attleboro, Mass.

## 8253—Duck Slitting Machines

Farrel Foundry & Machine Co., Ansonia, Conn.
Thropp William R. & Sons Co., Trenton, N. J.

## Duplicating Machines

See Duplicators

## Dyeing Machinery

See Textile Machinery

## 8254—Dynamite Shell Machines

Luther Mfg. Co., Olean, N. Y.

## 8255—Eave Trough Hanger Machines

Birch & Birch (Automatic Wire), Crawfordsville, Ind.

## Eave Trough Machinery

See Conductor Pipe & Eave Trough Machinery

## 8256—Eave Trough Machines (Combination Forming & Beading)

Canton Foundry & Machine Co. ("Universal"), Canton, O.

## 8257—Eave Trough Wire Hanger

Canton Foundry & Machine Co. ("Universal"), Canton, O.

## 8258— Edging Machinery

Garrison A. Foundry Co. (Rolling Mill), 901 Bingham, Pittsburgh, Pa.

## 8259—Edging or Lock-Folding Machines

**AMERICAN CAN CO.** (Machinery Dept.), ("Rudolphi & Krummel" for Tin & Sheet Metal Work), Monroe bldg, Chicago, Ill. *See adv index at end of book*
**BLISS E. W. CO.** (For Tin & Sheet Metal), 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8260—Edging Saw Machines

American Saw Mill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Filer & Stowell Co., Milwaukee, Wis.
Fisher & Davis Mfg. Co., St. Louis, Mo.
Holmes E. & B. Machinery Co., Buffalo, N. Y.
Lane Mfg. Co., Montpelier, Vt.
Mecklenburg Iron Works, Charlotte, N. C.
National Woodworking Machine Co., Dover, N. H.
Sinker-Davis Co., Indianapolis, Ind.
Union Iron Works, Bangor, Me.
Yates P. B. Machine Co., Beloit, Wis.

## 8261—Elbow Seam Closing Machines

**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*

## 8262—Electric Cloth Cutting Machines

Maimin H. Co., 251 W 19th, New York

## 8263—Electric Power & Lighting Machinery

**See also** Dynamos & Motors; also Generators, Various Kinds
Consolidated Engng. Co. (Repairs), Jacksonville, Fla.
Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Railway & Power Equipment Co. (Jobbers), 233 B'way New York
Rederer B. S. & Co., 1405 Arrot bldg, Pittsburgh, Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 8263a—Electric Thawing Machinery

American Transformer Co., 178 Emmet, Newark, N. J.

## 8264—Electric Wire Making Machinery

Watson Machine Co., Paterson, N. J.

## 8265—*Electrical Goods Mfrs. Machinery (Sheet Metal)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 8265a—Electrical Heat Treating Machines

Snead & Co., Jersey City, N. J.

## 8266—Electrical Porcelain Machinery

**CROSSLEY MACHINE CO.** (Also Dies, etc), State & Chestnut av, Trenton, N. J. *See adv index at end of book*
Patterson Foundry & Machine Co., East Liverpool, O.

## Electrical Wire & Cable Covering Machinery

See Wire & Cable Covering Machinery

## 8267—Electro-Dental Machinery

Consolidated Dental Mfg. Co., 130 Washington pl, New York
Russell Percy, 12 E 23d, New York
White S. S. Dental Mfg. Co., 211 S 12th, Phila., Pa.

## 8268—*Electro Plating Machines

See also Dynamos, Electro Plating

Cutter & Wood Supply Co., 68 Pearl, Boston, Mass. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 8269—Electro & Linotype Sawing Machines

Hoe R. & Co., 504 Grand, New York
Kidder R. E. Co., Worcester, Mass.
Wesel F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

## 8270—Electrotype Machinery

Herrick & Cowell, New Haven, Conn.
Ostrander-Seymour Co., 7 S Dearborn, Chicago, Ill.
Wesel F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

## 8271—Electrotype Trimming Machines

Bishop W. S., New Haven, Conn.
Royle Jno. & Sons, Paterson, N. J.

## 8272—Elevating & Conveying Machinery

See also Conveyors, Cranes, Derricks, Elevators, Hoists, Trolleys, Overhead, Wire Rope Tramways, etc)
See also Index of Contents for the specific article required
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
**GIFFORD-WOOD CO. (ICE),** Hudson, N. Y.
**HUNT C. W. CO.,** West New Brighton, N. Y. *See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.** 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Lowerator Co. Inc., 631 Kent av, B'klyn, N. Y.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
**MEESE & GOTTFRIED CO.,** 660 Mission, San Francisco, Cal.
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Peabody & Sloan, Union Arcade bldg, Pittsburgh, Pa.
Premier Machinery Co., Oakland, Cal.
**ROBINS CONVEYING BELT CO.,** 18 Ann, New York
*See adv index at end of book*
**STURTEVANT MILL CO.** (All Steel), Clayton & Park, Dorchester, Boston, Mass.
Union Engng. Co., Cuyahoga & W 4th, Cleveland, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

## 8273— Embossing Machines

Advance Machine Co. (For Leather, Paper, etc), Cambridge, Mass.
**CAVAGNARO JOHN J.,** Harrison, N. J.
Currier Cyrus & Sons (Presses & Rolls for Leather), 365 Market, Newark, N. J.
Firth Wm. (Leather, Lockett, Crossland & Co.'s), 200 Devonshire, Boston, Mass.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Grammes, L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, Ohio
*See adv index at end of book*
Latham Machinery Co. ("Monitor," Bookbinders), 1153 Fulton, Chicago, Ill.
Lentz-Schebler Co. (Rotary & Lateral), Indianapolis, Ind.
Randall J. D. Co. (Leather, etc), 610 W Court, Cincinnati, O.
Rau Emanuel (For Embossing Paper Boxes), 30 Church, New York
Roovers Bros. (Letter & Figure), 100 Schermerhorn, B'klyn, N. Y.
*See adv index at end of book*
Seybold Machine Co., Dayton, O.
Sheridan T. W. & C. B. Co. (Bookbinders'), 434 Broadway, New York
Traud Alex & Sons, 124 Polk, Newark, N. J.
Union Chain & Mfg. Co., Seville, O.
Waldron John Co., New Brunswick, N. J.

## 8274-5—Embroidering Machines

Ahlstrom O. J. ("Cormley & Fils" Imported), 711 B'way, New York
Durbrow & Hearne Mfg. Co. ("Bonnoz" & "Swiss"), 12 Wooster, New York
Home Embroidery Machine Co., Denver, Colo.
Saurer Adolph (Imp.), River av & 151st, New York

## 8276—Enamel Ware Machinery (Sheet Metal)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8277— Engraving Machines

Cayuta Mfg. Co., Sayre, Pa.
Eaton & Glover Co., Sayre, Pa.
Engravers & Printers Machinery Co., Sag Harbor, N. Y.
Field Chas. H., 113 Point, Providence, R. I.
Gibb Instrumental Co. ("Electrograph" Markers), Highland bldg, Pittsburgh, Pa.
Gorton Geo. Machine Co. (For Engraving Name & Direction Plates), Racine, Wis.
Hope John & Sons Engraving & Mfg. Co. (For Steel & Copper Plate), 1 Mashapaug, Providence, R. I.
Warner Mfg. Co. ("Francis"), Citizen bldg, Cleveland, O.

## 8278— Envelope Machines

Bickett Machine & Mfg. Co., Cincinnati, O.
Brown Bag Filling Mach. Co., Fitchburg, Mass.
Cooley & Trevor Mfg. Co., Hartford, Conn.
Dietz Machine Works (Merchandise), 126 Fontain, Phila., Pa.
Hobbs Mfg. Co., Worcester, Mass.
Hopkinson Machine Works, Springfield, Mass.
Lester & Wasley Co. ("Leader"), Norwich, Conn.
Potdevin Machine Co., 1221 38th, B'klyn, N. Y.
Schmidt F. L. Co., 11th av & 21st, New York
Sherman Envelope Co., Worcester, Mass.
Swift Geo. W. Jr., Bordentown, N. J.

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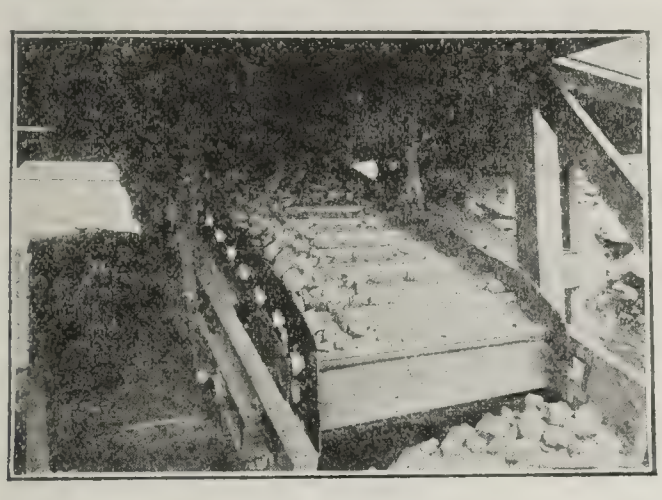
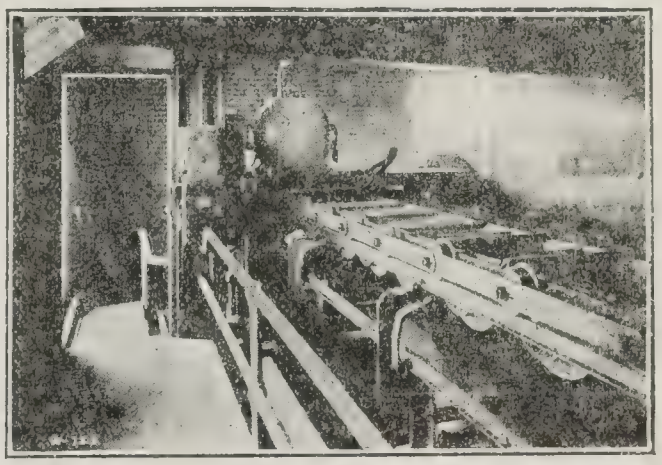
The cost of a Webster installation is soon paid for in the saving in handling expense and in the greater production obtained.



Webster Loading Boom in Coal Tipple

This company builds bucket and scraper conveyors and elevators; belt, screw and cable conveyors and retarders; also feeders and loaders; coal crushers; sand and gravel plant machinery including screening, washing and storage apparatus; also sheaves for rope drives, friction clutches and driving chains; shakers, loading

Belt Conveyors and Tripper in Grain Elevator

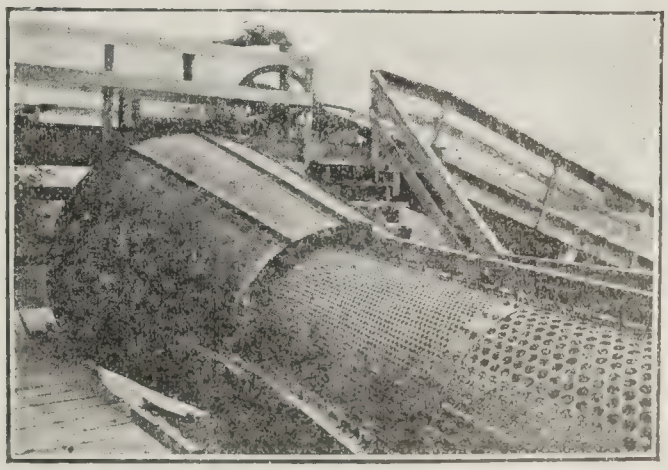


Pivoted Bucket Carriers in Power Plant

booms, chutes, drives, car hauls and trippers, etc.; all forms of grain elevator machinery, etc.

Webster systems for rehandling coal and ash disposal in power plants are in successful operation in every section of the country.

Webster engineers and field men study the condi-



Webster Screens in Sand and Gravel Plant

tions, the service required, the cost limitations, and suggest layouts that meet the customers' needs.

This company has been manufacturing in this field for over forty years. Our standards are high. Our products may be depended upon to perform supremely well the service for which they are intended.

*Correspondence Solicited*

## 8279—Envelope Sealing Machines

Acorn Brass Mfg. Co. ("Thexton"), 426 S Clinton, Chicago, Ill.
American Multigraph Sales Co. ("Markoe" Electric), 1832 E 40th, Cleveland, O.
Kendall Mfg. Co. Inc., 79 Sudbury, Boston, Mass.
Mailometer Co., 1093 Jefferson av E, Detroit, Mich.
Pence Mailing Mach. Co., Minneapolis, Minn.
Ryan D. G. & Co., 608 Dearborn, Chicago, Ill.
Saunders & Co. ("Sealograph"), 1700 Brooklyn av, Kansas City, Mo.
Sealograf Co., Kansas City, Mo.
Standard Envelope Boiler Mfg. Co. ("Standard"), Somerville, Mass.
Utica Sales & Specialty Co., Utica, N. Y.

## Envelope Stamping Machines

See Postage Stamp Affixing Machine

## 8280— Excavating Machinery

See also Dredging Machinery; also Shovels, Steam; also Sewer & Trench Excavating Machines; also Ditching Machines

Byers Jno. F. Machine Co., 242 So. Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*

EXCAVATING MACHINERY
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CLYDE IRON WORKS SALES CO.
Sole Distributors
DULUTH, MINN.

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*See adv index at end of book*
**INGERSOLL-RAND CO.**, 11 B'way, New York *See adv index at end of book*
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O.
*See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
**LIDGERWOOD MFG. CO.**, 96 Liberty New York *See adv index at end of book*

## 8281—*Excavating Machines, (Portable)

Byers Jno. F. Machine Co. (Especially Adapted for Sand & Gravel), 242 S Sycamore, Ravenna, O.
*See adv index at end of book*

## 8282— Excelsior Machinery

American Saw Mill Machinery Co., Hackettstown, N. J.
Fifield Bros. Co., Augusta, Me.
Fisher & Davis Mfg. Co., St. Louis, Mo.
Indianapolis Excelsior Machinery Co., Indianapolis, Ind.
Jenkins Machine Co., Sheboygan, Wis.
Kline Lewis T., Alpena, Mich.

## 8283— Extruding Machines

Royle John & Son, Paterson, N. J.

## 8284—Eye Bending or Eye Bolt Machines

Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.
Williams, White & Co., Moline, Ill.

## 8285— Eyelet Machines

Baird Machine Co. (Automatic), Bridgeport, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Harris Engineering Co. (Multiple Slide), Bridgeport, Conn.
Ideal Specialties Mfg. Corp. (Automatic Portable), 552 Pearl, New York
Keyes Jas H. (Stapling), 658 Hudson, New York
Kvalin Mfg. Co. (Stapling), Milwaukee, Wis.
Machine Appliance Corp., 351 Jay, Brooklyn, N. Y.
Manville E. J. Machine Co., Waterbury, Conn.
Premo Process Co. (Stapling), New Brunswick, N. J.
Sheridan T. W. & C. B. Co. (Bookbinders, etc), 434 B'way, New York
Shipman Geo., West Bridgewater, Mass.
Sibley E. L. Mfg. Co. (Stapling), Bennington, Vt.
United Shoe Machinery Co. ("Duplex"), 205 Lincoln, Boston, Mass.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## 8286—Face & Fire Brick Machinery

American Clay Machinery Co., S Walnut, Bucyrus, Ohio.
*See adv index at end of book*

## 8287—Facing Machines (Three-Way)

Beaman & Smith Co., Providence, R. I.
Pottstown Machine Co. (Also Threading & Facing), Pottstown, Pa.

## 8288—Facing & Boring Machines

Beaman & Smith Co., Providence, R. I.

## 8289—Faucet or Bib Re-Seating Machines

Long Adam A., Rochester, N. Y.
McCrea James & Co. ("Skinner"), 562 W Washington, Chicago, Ill.

## 8290— Felling Machines

Arbetter Felling Machine Co., 242 Dover, Boston, Mass.

## Felloe Machinery

See Carriage Builders' Machinery

## 8291—Felt Hardening Machinery

Clark Machine & Foundry Co., Franklin, Mass.
Farrel Foundry & Machine Co., Ansonia, Conn.

## 8292—Felt Spreading Machines

Ticonderoga Machine Works (For Paper

## 8293—Fence Machines (Wire)

Brazil Machine & Foundry Co., Brazil, Ind.
Carter Wire Fence Machine Co., Mt. Sterling, O.
Cyclone Fence Co. (Chain Fence Weaving), Waukegan, Ill.
Elliott & Reid Co. (Wire & Picket), Richmond, Ind.
Eureka Fence Mfg. Co. ("Eureka," "Little Giant," "New Robinson," Wire & Picket), Richmond, Ind.
Gem Wire Fence Co., Pontiac, Mich.
Jackson Fence Co. ("Jackson"), Jackson, Mich.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Kitselman Bros. (Woven Wire), Muncie, Ind.
Lansing Co. ("Lansing," Wire & Picket), Lansing, Mich.
Lyle & Reynolds, Crawfordsville, Ind.

## 8294— Fertilizer Machinery

See also Pulverizing Machinery

Abbe Engineering Co., 216-224 B'way New York *See adv index at end of book*
Abbe Paul O., 30 Broad, New York
American Process Co., 68 William, New York
Atlanta Utility Works, East Point, Ga.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O.
*See adv index at end of book*
Bouchard Jno. & Sons Co., Nashville, Tenn.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Buffalo Engine Co., Buffalo, N. Y.
Campbell P. F., 51 Laurel, Phila, Pa.
Charleston Dry Dock & Machine Co., Charleston, I. C.
Charleston Iron Works, Charleston, S. C.
Codd E. J. Co., 700 S Caroline, Baltimore, Md.
**DAYTON BEATER & HOIST CO.**, Dayton, O. *See adv index at end of book*
Dempwolf C. H. & Co. (Steel Mixers, etc), York, Pa.
Flynn & Emrich Co., 305 N Halliday, Baltimore, Md.
Holmes & Blanchard Co., 31 State, Boston, Mass.
Hydraulic Press Mfg. Co. (Hydraulic Fertilizer & Tankage Presses), Mt. Gilead, O.
Jeffrey Mfg. Co., 961 4th, Columbus, O.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Pratt Engineering & Machine Co. (Complete Plants), Atlanta, Ga.
Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
Sackett A. J., cor 4th av & 1st, Baltimore, Md.
Smith T. L. Co. ("Smith" Mixers for mixing all kinds of artificial fertilizers), 1151 32d, Milwaukee, Wis
Stedman's Foundry & Machine Works, Aurora, Ind.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
**VULCAN IRON WORKS** INC., Hudson & Essex, Jersey City, N. J.
Walker & Elliott, Wilmington, Del.
Wilmington Iron Works, Wilmington, N. C.
*See adv index at end of book*
Withers Foundry & Machine Wks., Atlanta, Ga.

## 8295—Fibre Cleaning Machines

Smith Samuel Machine Co. ("Brandy"), Lawrence, Mass.
Watson Machine Co., Paterson, N. J.

## 8296— Fibre Machinery

Ehrsam J. B. & Sons Mfg. Co. (Wood), Enterprise, Kans.
Fiber Barrel Machine & Mfg. Co., 2516 Jane, Pittsburgh, Pa.

## 8297—Fibre Machinery (Hard Fibre)

Downingtown Mfg. Co., East Downingtown, Pa.
Lobdell Car Wheel Co., Wilmington, Del.
Pusey & Jones Co., Wilmington, Del.

## 8298—File Cutting Machinery

Abrasive Machine Co., Irvington, N. J.
Hess Machine Works (Also Rasp Machinery), (Jno. A. Hess), 4951 Lancaster, Phila., Pa.
Illinois Tool Works, 154 Erie, Chicago, Ill.
Olsen Tinius Testing Machine Co. 500 W 12th, Phila., Pa.

## 8299— File Room Machinery

See also Saw Filing & Setting Machines; also Band Saw Setting Machines

Covel Mfg. Co., Benton Harbor, Mich.
Hanchett Swage Works, Big Rapids, Mich.
Mershon W. B. Co. (Saw & Planing Mill), Saginaw, Mich.

## File Sharpening Machines

See Sharpeners, File

## 8300—File Testing & Indicating Machines

Olsen Tinius Testing Machine Co. ("Herbert," Automatic), 500 N 12th, Phila., Pa.

## 8301— Filing Machines

Barry Mfg. Co., 515 W Monroe, Chicago, Ill.
Boston Tool & Mfg. Co., Inc. ("Boston Universal"), 262 Dover, Boston, Mass.
Noble & Westerbrook Mfg. Co., Hartford, Conn. *See adv index at end of book*

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**Fertilizer Mixers, Pulverizers, Shaking Screens, Conveyors, Automatic Dump Cars, Car Hauls.**

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Oliver Instrument Co. (With Sewing Attachment), Adrain, Mich.
**ROBINSON TOOL WORKS, INC.** ("Hartford," Motor or Belt Driven), Waterbury, Conn. *See adv index at end of book*
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Stearns E. C. & Co. (Circular Saw Side), 450 Oneida, Syracuse, N. Y.

## 8302—Filing Machines (Bench)

**AMES B. C. CO.** ("Ames"), North Station, Waltham, Mass. *See adv index at end of book*
Boston Tool & Mfg. Co., Inc. ("Boston Universal"), 262 Dover, Boston, Mass.
Edge & Edwards Machinery Co., 53 Gray, Newark, N. J.

## 8303—Filing Machines (Die)

Anderson Die Machine Co. ("Anderson," (Rotary Process), 544 Iraniston av, Bridgeport, Conn.
Boston Tool & Mfg. Co., Inc. ("Boston Universal"), 262 Dover, Boston, Mass.
Cochrane-Bly Co. (For Sawing Out & Filing Blanking Dies), Rochester, N. Y.
Holmes Mfg. Co., Shelton, Conn.
Illinois Tool Works, 154 E Erie, Chicago, Ill.
Oliver Machinery Co. ("Rearwin"), Grand Rapids, Mich.
Rearwin W. D., Grand Rapids, Mich.
**ROBINSON TOOL WORKS, INC.** ("Hartford," Motor or Belt Driven), Waterbury, Conn. *See adv index at end of book*
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.

## 8304—Filter Cloth & Bag Washing Machines

American Laundry Machinery Co., Cincinnati, Ohio

## 8305—Filter Mass Washing Machines

Blaisdell Co. ("Blaidell"), Pacific Elec. bldg, Los Angeles, Cal.
Danner Adam Co., Yonkers, N. Y.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Olsen & Tilgner Mfg. Co. (Double Rake), 2280 Elston av, Chicago, Ill.

## 8306— Fire Hose Machinery

Royle, Jno. & Sons, Inc., Paterson, N. J.

## 8307— Fire-Proofing Machinery

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Bonnot Company, Canton, O.
Fate-Root-Heath Co., Plymouth, O.

## 8308—Fish Dressing Machines

Smith Cannery Machine Co. ("Iron Chink"), Seattle, Wash.

## 8309— Fish Line Machinery

Brownell G. L. Worcester, Mass.

## 8310—Fishing Net Machinery

Crossley Lead & Mach. Co. (Net Lifting), Erie, Pa.
Fowler Net & Twine Co., 107 S 2d, Phila., Pa.

## 8311— Flanging Machines

See also Presses, Hydraulic Flanging
Alliance Machine Co., Alliance, O.
**AMS MAX MACHINE CO.** (Automatic for Can Makers), 101 Park av, New York
**BLISS E. W. CO.** (Sheet Metal), 1 Adams, Brooklyn, N. Y. *See adv index at end of book*
Chambersburg Engineering Co. (Four Column & Universal Hydraulic), Chambersburg, Pa.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, Ohio. *See adv index at end of book*
McCabe Mfg. Co. ("McCabe" Pneumatic), Lawrence, Mass.
**MORGAN ENGINEERING CO.** ("Universal," Hydraulic, for Boiler Heads, etc), Alliance, O. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS,** (Sheet Metal), Buffalo, N. Y. *See adv index at end of book*
Niles-Bement-Pond Co. (Boiler Head, etc), 111 B'way, New York
Stecher Chas. Co. (For Can Makers), 1580 Crossing, Chicago, Ill.
Wickes Bros., Saginaw, Mich.

## 8312—Flask Stripping Machines

Osborn Mfg. Co. ("Osborn" Hand & Power, etc), 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

## 8313—Flax Seed Cleaning Machines

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.

## 8314— Flint Machines

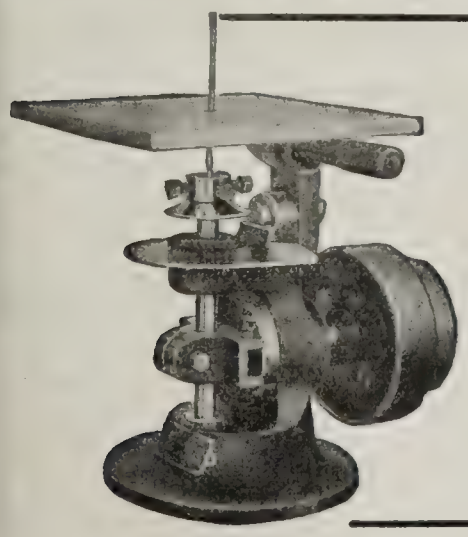
Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Koegel Chas & Sons, Holyoke, Mass.

## 8315—Floor Polishing Machines

Dale-Rey Corp., 25 Church, New York
Kent Vacuum Clean Co. ("Utility"), Rome, N. Y.
Schlueter M. L. (Tile & Composition), 225 W Illinois, Chicago, Ill.
Wisconsin Fdry. & Mach. Co., Madison, Wis.

## 8316—Floor Scraping Machines

See also Scrapers, Floor
Duncan Bros. & Wray Co. ("Perfection," "Wray"), Ludlow Falls, O.
Fox Supply Co. ("Fox"), Brooklyn, Wis.
Hurley Machine Co. ("Little Giant"), Cicero, Ill.
Kepplinger Geo. J. ("Boss"), Dwight, Ill.

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will handle a heavier class of work in addition to the smaller sizes. Top plate is 8 in. square and stroke of file is 1½ in. Machine makes 600 strokes per minute, and weighs 51 lb.

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Miotke Jos. ("Acme"), 144 Clinton, Milwaukee, Wis.
Schlueter M. L., 225 W Illinois, Chicago, Ill.
Triple "A" Machine Co. ("Anderson" Automatic Adjustable), 4125 Ravenswood av, Chicago, Ill.
Weber Mfg. Co., West Allis, Wis.

## 8317—Flocr Scrubbing Machines

Dale-Rey Corp., 25 Church, New York
Finola Mfg. Co. ("Finnell"), Hannibal, Mo
Herr John Mfg. Co., 44 N 4th, Phila, Pa.
Kent Vacuum Cleaner Co. ("Utility"), ,Rome, N. Y.
International Floor Machine Co., 149 W 36th, New York
Kelley Electric Machine Co., Buffalo, N. Y

## 8318—Floor Surfacing Machines

American Floor Surfacing Machine Co., Toledo, O.
Atlas Machine Co. (Electric), 7 Eddy, Providence, R. I.
Cavicchi Polishing Mail Co. (Electric), Quincy, Mass.
Chappell, Waywell & Co. (Automatic Ball Bearing Electric), 416 W Grand av, Chicago, Ill.
Didricksen U. P., 1826 Summit, Columbus, Ohio
Electric Floor Surfacer Co., 149 W 36th, New York
Fox Supply Co., Brooklyn, Wis.
Ideal Floor Sander Co., 440 N Peoria, Chicago, Ill.
Kelley Electric Machine Co., Buffalo, N. Y.
Miotke Jos. ("Acme"), 144 Clinton, Milwaukee, Wis.
Northern Floor Surfaces Co., Green Bay, Wis.
Perfect Floor Surfacing Co., 614 Race, Cincinnati, O.
Power L & Co., 20 S 23rd, Phila., Pa.
Schlueter M. L. ("Schlueter" Rapid Electric), 225 W Illinois, Chicago, Ill.
Triple "A" Machine Co. ("Triple A") 4125 Ravenswood av, Chicago, Ill.

## 8318a— Flotation Machines

Braun Corp., 363 New High, Los Angeles, Cal.
Southwestern Engineering Co., 606 S Hill, Los Angeles, Cal.
Stimpson Equipment Co., Salt Lake City, Utah

## 8319—Flour Blending Machinery

Abbe Engineer Co., 216-224 B'way, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Barnard & Leas Mfg. Co. ("Daisy" Feeder & Mixer), Moline, Ill.
Day, J. H. Co., Cincinnati, O.
Gump B. F. Co., 431 Clinton, Chicago, Ill.
Howes S. Co. (For Flour & Feed), Silver Creek, N. Y.
Savage W. J Co,. Knoxville, Tenn
Sprout, Waldron & Co., Muncy, Pa.
Triumph Mfg. Co., Cincinnati, O.
Wolf Co. (For Bakeries), Chambersburg, Pa.

## 8320— Flour Mill Machinery

See also Grain Elevator Machinery, Etc

Acme Mill Works, Greensboro, N. C.
Albany Iron Works, Albany, Ore.
Allis-Chalmers Mfg Co., Milwaukee, Wis.
Alsop Process Co., St. Louis, Mo.
Anglo-American Mill Co., Owensboro, Ky.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Barnard Machinery Co., Enterprise, Kan.
Barnard Mfg. Co., Spokane, Wash.
Barnard & Leas Mfg. Co., Moline, Ill.
Beall Improvement Co., Inc., Decatur, Ill.
Blymyer Iron Works Co. ("Queen of South"), Cincinnati, O.
Bullock C. K., 1357 Ridge av, Phila., Pa.
Caldwell W. E. Co., Louisville, Ky.
Campbell P. F., 51 Laurel, Phila, Pa.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Dutton J. B. Machinery Co., 58 Washington blvd, Detroit, Mich.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.
Essmueller Mill Furnishing Co., 1222 S 8th, So. Louis, Mo.
Fraser Co., 667 E Water, Milwaukee, Wis.
Great Western Mfg. Co., Leavenworth, Kan.
Gump B. F. Co. (Rebuilt Machinery), 431 S Clinton, Chicago, Ill.
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor") Cleaners, Separators, Scourers, Polishers, Packers, Feeders, Mixers, Shuckers, Dust Collectors, etc), Silver Creek, N. Y.
Invincible Grain Cleaner Co. (Cleaners & Separators), Silver Creek, N. Y.
LINK-BELT CO., 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
Munson Mill Machinery Co. (Buhr Stone Mills), Utica, N. Y.
Nordyke & Marmon Co. (All Kinds), Kentucky av & Morris, Indianapolis, Ind.
Nove Bros. Co., Buffalo, N. Y.
Prinz & Rau Mfg. Co., 659 E Water, Milwaukee, Wis.
Richmond Mfg. Co., Lockport, N. Y.
Robinson Mfg. Co., Muncy, Pa.
Salem Foundry & Machine Works, Salem, Va.
Savage W. J. Co., Knoxville, Tenn.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Simpson-Orville Co., Cincinnati, O.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Southwestern Engng. Co., Springfield, Mo.
Sprout Waldron & Co., Muncy, Pa.
Starr B. F. Co., 445 Guilford av, Baltimore, Md.
Strong-Scott Mfg. Co., 413 S 3rd, Minneapolis, Minn.
Ty-Sa-Man Machine Co., Knoxville, Tenn.
Willford Mfg. Co., 303 S 3rd, Minneapolis, Minn.
Wolf Co. (Complete Plants), Chambersburg, Pa.
Ypsilanti Machine Works, Ypsilanti, Mich.

## 8321—Flour Sifting & Mixing Machines

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Read Machinery Co., York, Pa.
Rockwell L. A. Co. (Also Blenders), 430 Smith, Brooklyn, N. Y.
Triumph Mfg. Co., Cincinnati, O.
Wolf Co., Chambersburg, Pa.

## 8322-3—Flower Pot Machinery

Baird Machine & Mfg. Co. ("Baird" Automatic Pottery Molders), 265 E Jefferson av, Detroit, Mich.
Ivens, Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Taplin-Rice-Clerkin Co., Akron, O.

## Flue Cleaning Machinery

See Cleaners, Boiler Flue or Tube, Steam or Power

## 8324-5-6—Flue Welding Machines

See also Furnaces, Flue Welding; also Pneumatic Flue Welders

Hartz H. V. Co., Cuyahoga & Mahoming av, Cleveland, O.
Hauck Mfg. Co., 101 11th, Brooklyn, New York
MacLeod Co. (Paint, White Wash Spraying Machine), 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Federal Elec. Welder Co. (Electric), Warren, O.
Ryerson Jos. T. & Son ("Ferguson"), 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.

## 8327—Fluting & Plaiting Machines

North Bros. Mfg. Co. ("Crown" & "Knox." "American" & "Eagle" Fluting Machines), Lehigh av & American, Phila., Pa.

## 8328—Fly Inserting Machines

Hobbs Mfg. Co. (For Paper Box Makers), Worcester, Mass.

## 8329—Folding Box Machinery

Gammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
United Printing Machinery Co., 100 Summer, Boston, Mass.

## 8330—Foot Power Sawing Machines

Millers Falls Co. ("Cricket"); Works: Millers Falls, Mass.

## 8330a—*For Threading Machines

GREENFIELD TAP & DIE CORP., Greenfield, Mass.
*See adv index at end of book*

## 8331-2— Forging Machines

See also Hammers, Power; also Presses, Power; also Presses, Hydraulic Forging; also Bulldozer or Bending Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg Co., 3830 Lakside av, Cleveland, O.
BEAUDRY & CO., INC. ("Champion," "Peerless" Belt or Motor Driven), 45 Bromfield, Boston, Mass.
*See adv index at end of book*
Bethlehem Steel Co., South Bethlehem, Pa.
Billings & Spencer Co. ("B. & S."), Hartford, Conn.
BLISS E. W. CO., 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
*See adv index at end of book*
Lourie Mfg. Co. (Hydraulic), Springfield, Ill
MERRILL BROS. (Hammers), 3 Arnold, Maspeth (Borough of Queens), New York *See adv index at end of book*
MORGAN ENGINEERING CO., Alliance, O. *See adv index at end of book*
Morris Engineering Co. of N. Y. (Automatic Liquid Metal), 39 Cortlandt, New York
National Machinery Co., Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Toledo Machine & Tool Co., Toledo, O.
Union Switch & Signal Co., Swissvale, Pa.
United Hammer Co. ("Fairbanks"), 45 Bromfield, Boston, Mass.
Williams, White & Co., Moline, Ill.

## Forging Machines (Hydraulic)

See Presses, Hydraulic Forging

## 8333 — Forgings — Upsetting, Machinery

Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
Norris Bros., Robinson, Ill.

## 8334—*Forming Machines (Hydraulic)

WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*

## 8335—Forming & Bending Machines

See also Wire Forming Machines; also Wood Forming Machines

Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
AMERICAN CAN CO. (Machinery Dept.) (For Tin & Sheet Metal), Monroe bldg, Chicago, Ill. *See adv index at end of book*
Badger State Machine Co., Janesville, Wis.
Baird Machine Co. ("Automatic Wire"), Bridgeport, Conn.
Bertsch & Co., Cambridge City, Ind.
Coulter & McKenzie Machine Co. (For Wire & Sheet Metals), Bridgeport, Conn.
Dreer & Krump Mfg. Co., 2901 S Halstead, Chicago, Ill. *See adv index at end of book*

Frost C. L. & Son, Grand Rapids, Mich.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hartford Machine Screw Co. (Forming), Hartford, Conn.
Hendley & Whittemore Co. ("Beloit"), (Slip Roll Hand), Beloit, Wis.
Hilles & Jones Co., East Wilmington, Del.
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt Gilead, O.
*See adv index at end of book*
Lang E. M. Co., Portland, Me.
Leffler Chas. & Co. (Can Forming, Bending, etc), 59 Clymer, Brooklyn, N. Y.
*See adv index at end of book*
Long & Allstatter Co. (Horizontal), Hamilton, O.
National Machinery Co., Tiffin, O.
**NIAGARA MACHINE & TOOL WORKS** (Sheet Metal), Buffalo, N. Y.
*See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Ohl Geo. A. & Co. (Sheet Metal), 159 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co. (Sheet Metal), Southington, Conn.
Robinson J. M. Mfg. Co. (Sheet Metal), 3282 Spring Grove av, Cincinnati, O.
Swaine Fred. J. Mfg. Co. (Can Body), 7th & O'Fallon, St. Louis, Mo.
Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.
**WATSON-STILLMAN CO.**, 38 Church, New York *See adv index at end of book*
Whiting Geo. Co. (Forming), 1719 Elston av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.
Williams, White & Co., Moline, Ill.
Wood Wm. H., Media, Pa.

## 8336—Forming & Curving Machines

**NIAGARA MACHINE & TOOL WORKS.** (For Corrugated Material), Buffalo. N. Y. *See adv index at end of book*

## 8337— Foundry Machinery

See also the Specific Article Required

Dayton-Dowd Co. ("Reliable") Quincy, Ill.
**INGERSOLL-RAND CO.**, 11 B'way, New York *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**SHUSTER F. B. CO.** (Sprue Cutters), Cedar Hills, New Haven, Conn.
*See adv index at end of book*
Tabor Mfg. Co., 18th & Hamilton, Philadelphia, Pa.

## 8338—Fourdrinier & Cylinder Paper Machines

Bagley & Sewall Co., Watertown, N. Y.
Beloit Iron Works, Beloit, Wis.
Black-Clawson Co., Hamilton, O.
Clark H. C. & Son Machine Co., Lee, Mass.
Emerson Mfg. Co., Lawrence, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Pusey & Jones Co., Wilmington, Del.
Rice, Barton & Fales Mach. & Iron Co., Worcester, Mass.
Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.
Smith & Winchester Mfg. Co., South Windham, Conn.

## 8339—Fraying Machines (Carpet)

Reed Mfg. Co. (Hand & Power), Springfield, O.

## Freight Handling Machines

See Conveyors, Freight

## 8340—*Fruit Can Machinery

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 8341—Fruit Grading & Packing Machines

Anderson-Barngrover Mfg. Co., San Jose Cal.
Premier Machinery Co., Oakland, Cal.
Success Seed Grader Co., Spokane, Wash.

## Fruit Package Stapling Machines

See Wire Stapling Machinery

## Fruit Paring Machines

See Parers, Fruit & Vegetable

## 8342—Fruit & Vegetable Pulp Rubbing Machines

Kelso & Co., 559 W Quincy, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

## Fuel Briquetting Machinery

See also Briquetting Machines

## 8343—Fuller's Earth Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Sprout Waldron & Co., Muncy, Pa.

## Fur Dressing Machinery

See Fur Manufacturers' Machinery

## 8344—Fur Manufacturers' Machinery

Almond David (Blowers, Mixers, Cutters, etc), 88 Warren, Newark, N. J.
Corey Machine Co. (For Combing, Washing & Clipping Fur Skins), Gloversville, N. Y.
Horstmann F. W. Co., Irvington, N. J.
Newark Leather Machy. Co., Inc. (Fur Stretching & Fleshing), 153 Frelinghuysen av, Newark, N. J.
Osann Frederick Co. (Beating & Sewing), 245 7th av, New York

## 8345—Furnace Charging Machines

See also Furnaces, Various Kinds

Brosius Elgar E., Benedum Trees bldg, Pittsburgh, Pa.
**MORGAN ENGINEERING CO.** (For Both Horizontal & Vertical Furnaces), Alliance, O. *See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*

## 8346—*Furnace Pipe Seaming Machines

**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*

## 8347-8— Fuse Machinery

Langelier Mfg. Co., Arlington, Providence, R. I.

## 8349—Galvanizing Machinery

McDermott P. J., Martins Ferry, Ohio.
National Galvanizing & Plating Equipment Corp. (Electro), 52 B'way, New York
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.

## Gang Drilling Machines

See Wood Gang Drilling Machines; for Metal Drills, see Drilling Machines, Gang

## 8350—Gang Slitting Machines

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, O.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.

## Garbage Disposal Machines

See Garbage Disposal Plants

## 8351—*Garment Pressing Machines (Steam)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O. *See adv index at end of book*

## 8352—Gas Burner Drilling Machines

Michigan Press Co., Ypsilanti, Mich.

## 8353— Gas Machines

American Gas Machine Co. ("American," "Hanson," "Perfection"), Albert Lea, Minn.
Brauer Acetylene Lighting Co., Marshalltown, Ia.
Climax Machine & Burner Co., 133 3rd av, Newark, N. J.
Daugherty W. Co., Princeton, Ind.
Detroit Heating & Lighting Co. (Combination), Lieb & Wight, Detroit, Mich.
Incandescent Light & Stove Co., Madisonville, Cincinnati, O.
Kemp C. M. Mfg. Co. ("Climax" "Twentieth Century," for Generating Fuel Gas for Manufacturing), 405 E. Oliver, Baltimore, Md.
Matthews Gas Machine Co. (Supplies), 180 N Dearborn, Chicago, Ill.
Penna. Globe Gas Light Co., 1934 Market, Phila., Pa.
Selas Co. (Fuel Gas for Mfg), 521 W 23d, New York
Speer Gas Machine Mfg. Co., 412-413 Bumiller bldg, Los Angeles, Cal.
Stonington Gas Lighting & Electric Co., Stonington, Me.
Sunlight Gas Machine Co., 68 Summit, N. Y.
Tirrill Gas Machine Lighting Co., 103 Park av, New York
United States Gas Machine Co., Muskegon, Mich.
Walther-Volger Gas Mach. Co., Davenport, Ia.
Whiteacre J. E. Mfg. Co., Rockford, Ill.

## 8354—Gas Machines (Acetylene)

Abner Mfg. Co., Wapakoneta, O.
Air Reduction Sales Co., 120 B'way, New York
Bauer Machine Works Co., Kansas City, Mo.
Brauer Acetylene Lighting Co. ("Brauer"), Marshalltown, Ia.
Breher L. S., 183-187 W Third, St. Paul, Minn.
Carbic Mfg. Co., 301 S 55th av, Duluth, Minn.
Charbeneau J. C., Mt. Clemens, Mich.
Colt J. B. Co., 30 E 42nd, New York
Davis Acetylene Co. (Carbide Feed), Elkhart, Ind.
Detmer Mfg. Co., 2518 Archer av, Chicago, Ill.
Erth Lithe Mfg. Co., Charleston, Ill.
Gem City Acetylene Generator Co., Dayton, O.
Hercules Mfg. Co., Chattanooga, Tenn.
Herz Mfg. Co., St. Paul, Minn.
Ideal Acetylene Co., Johnstown, Pa.
International Oxygen Co. (dirs.), 796 Frelinghuysen av, Newark, N. J.
Ireland Mfg. Co., Washington C. H., O.
K. C. Generator Co., Kansas City, Mo.
Krein Mfg. Co. ("Abner"), Wapakoneta, Ohio
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Milburn Alexander Co. (Generators for House Lighting, etc), 1420 W Baltimore, Baltimore, Md.
Model Generator Co., Louisville, Ky.
New England Mfg. Co., 1st National Bank bldg, Chicago, Ill.
Night Commander Lighting Co., Jackson, Mich.
Oxweld Acetylene Co. ("Pilot"), 640 Frelinghuysen av, Newark, N. J.
Phelps Mfg. Co., 38 S Dearborn, Chicago, Ill.
Rose Mfg. Co. ("Nervous"), 910 Arch, Phila., Pa.
St. Clair Mfg. Co. ("Daytonia"), Dayton, Ohio
Sober, C. K. (Lumber), Lewisburg, Pa.
Superior Oxy-Acetylene Machine Co., Hamilton, O.
Torchweld Equipment Co., 224 N Carpenter, Chicago, Ill.
U. S. Standard Co. ("Night Commander"), Voorheesville, N. Y.

## 8355—Gas Machines (Gasoline)

American Gas Machine Co., Albert Lea, Minn.
Economy Gas Lamp Co., 236 Goodrich, Kansas City, Mo.
Economy Gas Machine Co. ("Economy"), Rochester, N. Y.
Freeport Gas Machine Co., Freeport, Ill.
Hawkeye Mfg. Co., Waterloo, Iowa
Incandescent Light & Stove Co., Madisonville, Cincinnati, O.

GAS MACHINES (GASOLINE)—contd.

**Kemp C. M. Mfg. Co. ("Climax" Twentieth Century," for Generating Fuel Gas for Manufacturing), 405 E Oliver, Baltimore, Md.**
**Matthews Gas Machine Co., 180 N Dearborn, Chicago, Ill.**
**Severance Gas Machine Co., Freeport, Ill.**
**Tirrill Gas Machine Lighting Co. (For Lighting, Cooking, Heating & Power), 103 Park av, New York**
**Wather-Vogler Gas Machine Co. (Cold Process), Davenport, Iowa**
**Whitacre J. E. Mfg. Co., Rockford, Ill.**

## 8356—Gas Machines (Naphtha Gas)

**Kemp C. M. Mfg. Co. ("Twentieth Century" for Generating Fuel Gas for Manufacturing), 405 E Oliver, Baltimore, Md.**

## 8357—Gas Retort House Machinery

**WESTERN GAS CONSTRUCTION CO.,** Ft. Wayne, Ind.

## 8358—Gas Works Machinery

**struction; also Specific Article Required**

Electrolabs Co., 2635 Penn av, Pittsburgh, **Pa.** *See adv index at end of book*
Gas Machinery Co. ("Gasmaco" By-Prod-
**See also Gas Works Apparatus & Con-**uct Machinery, etc.), 1900 Euclid av, Cleveland, O.
**Isbell-Porter Co. (Charging & Discharging Machinery, Extractors, etc), 46** Bridge, Newark, N. J.
**Lloyd Construction Co., 860 Greenwood** av, Detroit, Mich.
**Western Gas Construction Co., Ft. Wayne,** Ind.

## 8358a—Gas & Air Mixing Machines

**KEMP C. M. MFG. CO ("Kemp" For Reducing Gas Consumption), 405 E Oliver, Baltimore, Md.**

## 8359—Gate Hook Machines (Automatic)

**Nilson A. H. Machine Co., Bridgeport, Conn.**

## 8360—Gear Cleaning Machines

Crowther T. & Co. (Automatic), 170 Oliver, Boston, Mass.
Upton & Gilman Machine Co. (Automatic), Lowell, Mass.

## 8361—Gear Cutting Machines

**Bilgram** Machine Works (Bevel), 1235 Spring Garden, Phila., Pa.
Bilton Machine Tool Co. **The** ("Bilton" Automatic Gear Miller), **Bridgeport,** Conn.
Brown & Sharpe Mfg. Co. (Automatic), Providence, R. I.
Cincinnati Gear Cutting Machine Co. (Automatic), Elam & Garrard av, Cincinnati, O.
**Colburn** Gear & Mfg. Co., Inc., 85 Purchase, Boston, Mass.
*See adv index at end of book*
**Fellows** Gear Shaper Co., Springfield, Vt.
**Flather** Mfg. Co. (Automatic), Nashua, **N. H.**
Garvin Machine Co., 147 Varick, New York
Gleason Works (Bevel, Spiral Type Bevel **Roughing & Finishing), 2000 University av, Rochester, N. Y.**
*See adv index at end of book*
Gould & Eberhardt (Automatic Gear & Pinion), 97 N. J. R. R. av, Newark, N. J.
Herbert Alfred Ltd., 54 Dey, New York
*See adv index at end of book*
Machine Products Co., E 179th & St. Clair, Cleveland, O.
Mafetro Machine & Tool Co., Worcester, Mass.
New Britain Machine Co. ("New Britain"), New Britain, Conn.
Newark Gear Cutting Machine Co. (Automatic), 69 Prospect, Newark, N. J.
Newton Machine Tool Works, 23rd & Vine, Philadelphia, Pa.
Pratt & Whitney Co. (Involute & Epicy-**cloidae), Hartford, Conn.**
Reynolds Machine Co. (Automatic), Massillon, O.
Simmons Machine Co. (Inc.), 987 Broadway, Albany, N. Y.
Sloan & Chase Mfg. Co. (Ltd.), (Automatic), 351 6th av, Newark, N. J.
**WALTHAM MACHINE WORKS** (Small, Automatic), Waltham, Mass.
**WHITON D. E. MACHINE CO.,** New London, Conn. *See adv index at end of book*
Woodward Machine Co., Wooster, O.

## 8362—Gear Hobbing Machines

Adams Co. ("Farwell' Automatic), Dubuque, Ia.
Barber-Colman Co., Rockford, Ill.
Bilton Machine Tool Co., The, ("Bilton"), Bridgeport, Conn.
Gould & Eberhardt, 97 N J. R. R. av, Newark, N. J.
Gray Machine Tool Co., Inc., 2661 Main, Buffalo, N. Y.
Lees-Bradner Co., Cleveland, O.
**MEISSELBACH - CATUCCI MFG. CO.** ("M-C" Hobbing Gear Cutter), 56 Stanton, Newark, N. J.
*See adv index at end of book*
Reynolds Machine Co. (Automatic)
Schuchardt & Schutte (Automatic, from 1-4 to 128 inch), 90 West, New York
Sloan & Chase Mfg. Co., 351 6th av, New ark, N. J.

## 8362a—*Gear Moulding Machines

**FULTON IRON WORKS CO.,** St. Louis, Mo. *See adv index at end of book*

## 8363—Gear Testing Machines

Adams Co. ("Farwell"), Dubuque, Ia.
Gisholt Machine Co., Madison, Wis.
Gleason Works (Bevel), 2000 University **av, Rochester, N. Y.**
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.

## 8364—Gear Tooth Rounding Machines

Ingle Machine Co., 371 St. Paul, Rochester, N. Y.
Walker Chas. H. Machine Co., 819 Lawton, Detroit, Mich.

## 8365-6—Gelatine Coating Machines

Colton Arthur Co., 782 Jefferson, Detroit, Mich.

## 8367—Gin Saw Filing Machines & Gummers

Bradley Gin Saw Filer Co., Dallas, Tex.
Carver Cotton Gin Co., East Bridgewater, Mass.
Greasy Rotary Filer Co., Ballinger, Tex.
Wood A. A. & Sons Co. ("Duplex"), Atlanta, Ga.

## 8367a—Glass Beveling Machinery

**See also Glass Polishing Machines**

Hisey-Wolf Machine Co. ("Hisey" Portable Electric), Cincinnati, O.
Lange Henry G., 162 N May, Chicago, Ill.

## 8368—Glass Blowing Machines

Armand Machine Wks. Inc., 448 N Wells, Chicago, Ill.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Miller Machine & Mould Works (Automatic), Columbus, Ohio
Yockel Chas. & Sons, 1220 N Lawrence, Phila., Pa.

## 8369—Glass Decorating Machinery

**Tilghman-Brooksbank Sand Blast Co.** (Sand Blast Etching Machines), 1126 S 11th, Phila., Pa.

## 8370—Glass House Machinery

Abbe Engineering Co., 216-224 B'way, New **York.** *See adv index at end of book*
Acton John (Glass Roughing, Smoothing, etc), 118 John, Brooklyn, N. Y.
Armand Machine Works, Inc., 448 N Wells, Chicago, Ill.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
**Evans Mold & Foundry Co., Uniontown,** Pa.
Knott & Harker Co., Beaver Falls, Pa.
Krebs Emil & Sons, Elwood, Ind.
O'Neill Machine Co., Toledo, O.
Patch S. B. & Sons Co., Streator, Ill.
Rochester Mould & Machine Co., Rochester, Pa.
Rosedale Foundry & Machine Co. (For Plate, Wire & Ribber Glass), Colum**bus & Preble, Pittsburgh, Pa.**
Smith T. J. Co. ("Smith" Glass Batch **Mixers), 1151 32d, Milwaukee, Wis.**
Sommerfeld Mach, & Mfg. Co., 216 2d av, Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., **McKees** Rocks, **Pa.**
Yockel Chas. & Sons, 1220 N Lawrence, Phila., Pa.

## 8371—Glass Polishing Machines

Acton John, 118 John, Brooklyn, N. Y.
Hisey-Wolf Machine Co. ("Hisey" Electric), Cincinnati, O.
Lange Henry G., 162 N May, Chicago, Ill.
Stow Flexible Shaft Co., 26th & Callowhill, Phila., Pa.

## 8372— Glazing Machines

Luther Mfg. Co. (Knife), Olean, N. Y.
Sigwart & Rolston, 341 2nd av, Pitsburgh, **Pa.**

## 8373— Glossing Machines

Chambers Bros. Co., 52d below Lancaster av, Phila., Pa.

## 8374—Glove Machinery, Etc.

**Corey Machine Co., Gloversville, N. Y.**
**Curtin Herbert Co. (Special Machine & Glove Sewing Machines; also All Kinds of Machinery for Leather, Canvas & Silk Glove Mfrs.), Gloversville, N. Y.**
Gustin M. & Son (Cutting Dies), Johnstown, N. Y.
Haag's Cutting Die Works (Glove Cutting Dies, etc), Gloversville, N. Y.

## 8375—Glue Cutting Machines

Black-Clawson Co. (Hand or Belt Power), Hamilton, O.

## 8376—Glue Factory Machinery & Apparatus

American Process Co., 68 William, New York
Francis Chas. E. Co., Rushville, Ind.
**Joslin Schmidt Co., 3223 Spring Grove av,** Cincinnati, O.
Mead & Co., Detroit, Mich.

## 8377—Glue Jointing Machines

Falls Machine Co. (Automatic), Sheboygan Falls, Wis.
Francis Chas. E. Co., Rushville, Ind.
Linderman Steel & Machine Co. "Linderman" Dovetail), Muskegon, Mich.
Yates P. B. Machine Co., Beloit, Wis.

## 8378—Glue Spreading Machines

Boyle John & Co., Peabody, Mass.
Francis Chas. E. & Co., Rushville, Ind.

**M-C** Gears
Pinion Rod
Gear Hobbing Machines

Meisselbach-Catucci Mfg. Co., 56 Stanton St., Newark, N. J. Full Size

Grand Rapids Veneer Wks., Grand Rapids, Mich.
Towsley Jno. T. Mfg. Co., Cincinnati, O.

## 8379—Glycerine Machinery & Apparatus

Badger E. B. & Sons Co. (Complete Plants), 75A Pitts, Boston, Mass.
*See adv index at end of book*
Garrigues Wm. & Co., 154 Nassau, New York & Chicago
Houchin-Aiken Co., 113 53d, Brooklyn, N. Y.
Jobbins Wm. F., Inc. ("J. Van Ruymbeke's," for Crude & Refining), Aurora, Ill.

## Gold Dredging Machinery

See Dredges, Gold & Placer Mining

## 8379a—*Gold & Silver Rolling Mill Machinery

Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.

## 8380— Graduating Machines

Brandis Sons Mfg. Co., 754 Lexington av, Brooklyn, N. Y.
Burr Co., Champaign, Ill.
Hope Jno. & Sons Engraving & Mfg. Co. (Precision, for Steel Tools, etc), 1 Mashapaug, Providence, R. I.
LeBlond R. K., Machine Tool Co., Cincinnati, O.

## 8380a—*Grain Cleaning Sieves & Screens

Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 8381—Grain Cleaning & Grading Machinery

See also Flour Mill Machinery

Barnard & Leas Mfg. Co., Moline, Ill.
Campbell P. F., 51 Laurel, Phila., Pa.
Constant B. S. Mfg. Co., Bloomington, Ill.
Fooston-Carpenter Co. ("Fooston" Automatic Elevator), St. Paul, Minn.
Ghent Mfg. Co. ("Wonder"), Ghent, Minn.
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor," for Grain, Seed, Rice, Flax, Malt, Coffee, Peanuts, Vegetables, etc), Silver Creek, N. Y.
International Mfg. Co., Crestline, O.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co., Racine, Wis.
Leader Machine Co. (for Grain & Seeds), 2841 N Francisco av, Chicago, Ill.
Maytag Co. ("Hawkeye"), Newton, Ia.
Messinger Mfg. Co., Tatamy, Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Premier Machinery Co., Oakland, Cal.
Prinz & Rau Mfg. Co. (Iron Prince Scourer), 659 E. Water, Milwaukee, Wis.
Richmond Mfg. Co., Lockport, N. Y.
Smith Phillip Mfg. Co., Sidney, O.
Sprout, Waldron & Co., Muncy, Pa.
Success Seed Grader Co., Spokane, Wash.
Twin City Separator Co., 29th & Colfax av, S Minneapolis, Minn.
Union Iron Works, Inc. ("Western") Decatur, Ill.
Wolf Co., Chambersburg, Pa.

## 8382—Grain Elevator Machinery & Appliances

Amer. Grain Separator Co., Erie & S E Essex, Minneapolis, Minn.
Barnard Mfg. Co., Spokane, Wash.
Chain Belt Co., Milwaukee, Wis.
Diamond Iron Works, 2nd & 18th av, N Minneapolis, Minn.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kans.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gill P. H. & Sons, 2 Lorraine, Brooklyn, N. Y.
Globe Machinery & Supply Co., Des Moines, Ia.
Great Western Mfg. Co., Leavenworth, Kans.
Hastings Foundry & Iron Works, Hastings, Neb.
Howes S. Co., Silver Creek, N. Y.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O.
*See adv index at end of book*
LINK-BELT CO., 329 W 39th, Chicago, Ill. & Hutinging Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
McDonnell Boiler & Iron Wks., Des Moines, Ia.
Marseilles Works of Deere & Co., East Moline, Ill.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Power Equipment Co., 212 3rd av, N Minneapolis, Minn.
Premier Machinery Co., Oakland, Cal.
Smith Philip Mfg. Co., Sidney, O.
Sprout Waldron & Co., Muncy, Pa.
Southwestern Engng. Co., Springfield, Mo.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Strong-Scott Mfg. Co., 413 S 3rd, Minneapolis, Minn.
Success Seed Grader Co., E 1027 Marietta av, Spokane, Wash.
Union Iron Works, Inc., Decatur, Ill.
WEBSTER IRON WORKS, INC., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kastner av, Chicago, Ill.
Wolf Co., Chambersburg, Pa.
York Foundry & Engine Works, York, Pa.

## 8383— Grain Fan Machines

Blymyer Iron Works Co. (For Rice), Cincinnati, O.

## 8384—Grain Scouring & Polishing Machines

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor," for Grain of All Kinds), Silver Creek, N. Y.
Sidney Elevator Mfg. Co., Sidney, O.
Wolf Co., Chambersburg, Pa.

## Granite Column Cutting Machines

See Stone Cutting Machines

## 8385—Granite Sawing Machines

American Granite Saw Co., Worcester, Mass.

## 8386— Granulating Machines

Abbe Engineering Co., 216-224 B'way, New York. *See adv index at end of book*
Colton Arthur Co., 782 E Jefferson, Detroit, Mich.
Mulford H. K. Co., 428 S 13th, Phila., Pa.

## 8387—Granulating Machines (Clay)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
American Clay Machinery Co., S Walnut, Bucyrus, Ohio
*See adv index at end of book*

## 8388—Granulating Machines (Coffee)

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

## 8389—Granulating Machines (Sugar)

**HAUBTMAN & LOEB, LTD.**, Magazine, New Orleans, La.
*See adv index at end of book*
Hersey Mfg. Co., 314 W 2d, South, Boston, Mass.

## 8390—Grape Stemmer & Crushing Machines

Hydraulic Press Mfg. Co. (Grape Crushers), Mt. Gilead, O.
*See adv index at end of book*
Klotz Machine Co., Sandusky, O.

## 8391—Gravity Incline Machines

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 8391a— Grease Cake Making

Venango Mfg. Co., Franklin, Pa.

## 8392—Green Pea Cleaning & Grading Machines

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co. ("Clipper," "Eureka" & "Monitor"), 222 N Wabash av, Chicago, Ill.

## 8392a— Grinding Machinery

See also Grinders; also Mills, Grinding; also Paint Grinding & Mixing Machinery; also Pulverizing Machinery
Badger Tool Co., Beloit, Wis.
Cortland Grinding Wheel Corp ("Cortland King"), Cortland, N. Y.
Seeger Machine Tool Co., 34 Forsyth, Atlanta, Ga. *See adv index at end of book*
W. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
Walraven Co. The, 36-38 Waldbam, Atlanta, Ga. *See adv index at end of book*

## 8393—Grinding Machines (Ball)

Lutz-Webster Engineering Co., 3103 Grays Ferry av, Phila., Pa.

## 8394-5—Grinding Machines (Burr Cylinder)

Leigh & Butler ("Dronsfield Bros."), 232 Summer, Boston, Mass.

## 8396—Grinding Machines (Car Wheel)

Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
Norton Grinding Co., Worcester, Mass.
Q. R. S. Co., 1761 Elston av, Chicago, Ill.
Springfield Mfg. Co., Bridgeport, Conn.

## Grinding Machines (Flint)

See Mills, Ball & Pebble

## 8396a—Grinding Machines (Hob & Form Cutters

Harris H. Engng. Co., Bridgeport, Conn.

## 8397—Grinding Machines (Nail Die & Springs)

**SLEEPER & HARTLEY, INC.**, 335 Chandler, Worcester, Mass.
*See adv index at end of book*

## Grinding Machines (Quartz)

See Mills, Quartz

## 8398-9-400—Grinding Machines (Rail)

Indianapolis Switch & Frog Co., Springfield, O.
Kerwin Machine Co. ("Kerwin-Detroit"), Detroit, Mich.

## Grinding Machines (Silex)

See Mills, Ball & Pebble

## 8401—Grinding Machines (Spiral Cutter)

Sloan & Chase Mfg. Co. (Also for Small Milling Cutters), 351 6th av, Newark, N. J.

## 8402—Grinding & Polishing Machines

See also Lathes, Buffing & Polishing; also Grinders, Various Kinds; also Polishing Machines
Beal Joseph & Co., 465 Atlantic av, Boston, Mass.
Blevney Machine Co. ("Blevney" Hand, Semi-Automatic & Automatic), Greenfield, Mass.
Blount J. G. Co. (Grinding, Polishing & Buffing Machines Combined), Everett, Mass.
**BRIDGEPORT SAFETY EMERY WHEEL CO.**, 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Cutter & Wood Supply Co., 77 Pearl, Boston, Mass. *See adv index at end of book*
Diamond Machine Co. ("Diamond" Swing Frame), Providence, R. I.
Dopp J. W. Co. (Dealers), 1420 Dime Bk. bldg, Detroit, Mich.
Duisdieker Foundry & Mfg. Co., Pekin, Ill.
Dopp J. W. & Co. (Dealers), 18 W Columbia, Detroit, Mich.
Grand Rapids Grinding Machine Co., 17 Ottawa av N W, Grand Rapids, Mich.
Hemming Bros. Co. (Automatic Cutlery & Gun Barrel), New Haven, Conn.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Kane & Roach, Syracuse, N. Y.
Kemp Jas N. Machine Works, Albany, N. Y.
Myers Machine Co. ("Myers"), Columbia, Pa.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Perkins Grinder Co., 706 Am. Trust bldg, Cleveland, O.
Production Machine Co. ("Blevney" Hand, Semi-Automatic), Greenfield, Mass.
Roth Bros. & Co. (Electric), 1400 W. Adams, Chicago, Ill.
Royersford Foundry & Machine Co., Royersford, Pa.
Safety Emery Wheel Co. (Swing Frame), Springfield, O.
Stow Mfg. Co. (Stone), Binghamton, N. Y.
*See adv index at end of book*
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
Universal Grinding Mach. Co., Fitchburg, Mass.
Valley City Machine Works, Grand Rapids, Mich.

## 8403—Grommet Setting Machines

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Stimpson Edwin B. Co., 68 Franklin av, Brooklyn, N. Y.

## 8404— Grooving Machines

Chase Turbine Mfg. Co. ("Chase's" Automatic), Orange, Mass.
Walco Mfg. Corp. ("Esco"), Providence, R. I.

## 8405— Grubbing Machines

Caward R. S., Cresco, Ia.
Smith Mfg. Co., La Crosse, Wis.

## 8406— Gum Tape Machines

Metal Specialties Mfg. Co., (No. 5 "Anchor"), 338 N Kedzie av, Chicago, Ill.
National Binding Machine Co., 260 West New York

## 8407—Gun Barrel Reaming Machines

Diamond Machine Co. ("Diamond"), Providence, R. I.

## 8408—Gun Barrel Turning Machines

Baush Machine Tool Co., Springfield, Mass.

## 8409—Gun Powder Machinery

Baker's Sons J & Perkins Co., Inc., White Plains, N. Y.
Devine J. P. Co., Buffalo, N. Y.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Scott Olin (Est. of), Bennington, Vt.

## 8410— Gun Stock Machinery

Defiance Machine Works (Turning, Shaping & Inleting), Defiance, O.

## 8411—Gutter Forming Machinery

See also Conductor Pipe & Eave Trough Machinery
Double Truss Cornice Brake Co. ("Electric City"), Buffalo, N. Y.

## 8412-3— Gypsum Machinery

See also Plaster Mill Machinery
American Process Co., 68 William, New York
Butterworth & Lowe, Grand Rapids, Mich.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kans.
McDonnell Boiler & Iron Works Co., Des Moines, Ia.
Manitowoc Engineering Works, Manitowock, Wis.
Sprout Waldron & Co., Muncy, Pa.
Union Engineering Co., Cuyahoga & W 4th, Cleveland, O.

## 8414— Hack Saw Machines

See also Saw Blades & Frames, Hack
Armstrong-Blum Mfg. Co. ("Marvel"), 337 N Francisco av, Chicago, Ill.
Atkins E. C. & Co. ("Kwik Kut" Power), Indianapolis, Ind.
Burroughs Tool Co. ("Burro"), 87 Warren, New York
**DIAMOND SAW & STAMPING WORKS** ("Sterling," also High Speed), 357 7th, Buffalo, N. Y.
*See adv index at end of book*
Goodell-Pratt Co., Greenfield, Mass.
Hoefer Mfg. Co., Freeport, Ill.
Millers Falls Co. ("Star" Power), 28 Warren, New York
Myers Machine Tool Co. ("Myers" Improved Geared), Columbus, Pa.
North Wales Machine Co., Inc. ("North Wales" Geared Power), North Wales, Pa.
Peerless Machine Co. (Powers), 1619 Racine, Racine, Wis.
Pratt W. D. (Quick Return), Canton, O.
Racine Tool & Machine Co., Racine, Wis.
Robertson W. Machine & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.

Ryerson Joseph T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Strong, Carlisle & Hammond Co. (The "Victor" Power), 336 Frankfort av, N W, Cleveland, O.
Thompson H. G. & Son Co. ("Eureka," "Milford"), New Haven, Conn.
Track Necessities Co. ("Schmidt" Hand, for Rails, etc.), 343 S Dearborn, Chicago, Ill.
Walraven Co. The, 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
West Haven Mfg. Co. ("Universal" & Acme"), West Haven, Conn.
Western Tool & Mfg. Co. ("Champion" Power), Springfield, O.

## 8415—Hair Washing Machines

American Machine & Foundry Co., Atlanta, Ga.
Baker G. W. Machine Co., Wilmington, Del.
Turner Tanning Machy. Co. ("Turner"), Peabody, Mass.

## 8416—Ham Branding Machines

Brecht Co., 1201 Cass av, St. Louis, Mo.

## 8417—Hand Bending Machines

Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Hinman D. A. & Co., Sandwich, Ill.
NIAGARA MACHINE & TOOL WORKS. (Sheet Metal), Buffalo, N. Y. *See adv index at end of book*
Rock River Machine Co., Janesville, Wis.

## 8418—Hand Hole Cutting Machines

Chase Turbine Mfg Co., Orange, Mass.
Fischer Machine Works (Automatic for Wood), 1845 Carroll av, Chicago Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Rock River Machine Co., Janesville, Wis.

## 8419—Hand Shearing Machines

Braun J. G., 609 S Paulina, Chicago, Ill.
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York

## 8420—Hand Stamp Makers' Machinery

Force W. A. & Co., 535 Pearl, New York

## 8421-2—Handle Blank Sawing Machines

Klotz Machine Co., Sandusky, O.
Trevor Mfg. Co. (Automatic), Lockport, N. Y.

## 8423—Handle Polishing Machines

Defiance Machine Works (Automatic), Defiance, Ohio
Klotz Machine Co., Sandusky, O.

## 8424—Handle Scroll Machines

Klotz Machine Co., Sandusky, O.

## 8425—Handle Throating Machines

Klotz Machine Co., Sandusky, O.

## 8426—Handle Tumbling Machines

Trevor Mfg. Co., Lockport, N. Y.

## Handle Turning Machinery

See Lathes, Handle Turning

## 8427— Hardware Machinery

Baird Machine Co. (Piano, Automatic), Bridgeport, Conn.
BLISS E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Harron, Pickard & McCone (Jobbers), 139 Townsend, San Francisco, Cal.
Herrick & Cowell, New Haven, Conn.

## 8428— Harness Machinery

Campbell-Bosworth Mach. Co., 205 Lincoln, Boston, Mass.
Champion Shoe Machinery Co., 3727 Forest Park blvd, St. Louis, Mo.
International Harness Machinery Co., 708 Broadway, Cincinnati, O.
Randall J. D. Co., 610 W Court, Cincinnati, O.
Ross-Moyer Mfg. Co., Cincinnati, O.
Smith F. H. Mfg.. Co., 3047 Carroll av, Chicago, Ill.

## 8429—Harness Riveting Machines

Rock Island Mfg. Co., Rock Island, Ill.
Smith F. H. Mfg. Co., 3047 Carroll av, Chicago, Ill.

## 8430—Harness Sewing Machines

Bauer Machine Co. (Lock Stitch, Wax Thread), Jeffersonville, Ind.
Campbell-Bosworth Machine Co. (Lock Stitch Wax Thread), 205 Lincoln, Boston, Mass.
Champion Shoe Machinery Co. 3727 Forest Park blvd, St. Louis, Mo.
Davis Sewing Machine Co. ("Davis") Dayton, Ohio
International Harness Machinery Co. (Wax Thread), 708 Broadway, Cincinnati, O.
Landis Mach. Co. (Wax Thread), 25th & Mullanphy, St. Louis, Mo.
Puritan Mfg. Co., 121 Beach, Boston, Mass.
Randall J. D. Co., 610 W Court, Cincinnati, O.

## Harvesting Machinery

See Harvesters, Various Kinds

## 8431— Hatters' Machinery

Almond David, 88 Warren, Newark, N. J.
Bulasky L., 44 E Houston, New York
Clark Machine & Foundry Co. (Stamping Machines), Franklin, Mass.
Cuming M. A. & Co., 43 Bleeker, New York
Doran Bros., Danbury, Conn.
Dunbrow & Hearne Mfg Co, 12 Wooster, New York
Ermold Edward Co. (The Printing Presses) 656 Hudson, New York
Morlack Machine Works, Danbury, Conn.
Muller Fred, 214 Lackawanna av, Newark, N. J.
New Machine Co., Danbury, Conn.
Newark Hat Block & Machine Co., 320 Ogden, Newark, N. J.
Turner Machine Co. (Also Hatters' Supplies), Danbury, Conn.

## 8432 — Hay and Grain Unloading Machinery

MYERS F. E. & BRO., 900 Fourth, Ashland, O. *See adv index at end of book*

## 8433—Heading Chipping Machines

Oram John S. Co., 1316 E 53rd, Cleveland, O.

## 8434—Heading Jointer & Doweling Machines

Oram John S. Co., 1316 E 53rd, Cleveland, O.

## 8435—Heading Jointing Machines

Rochester Barrel Mach. Works, Rochester, N. Y.

## 8436—Heading Rounding Machines

Oram John S. Co., 1316 E 53rd, Cleveland, O.

## 8437—Heading Turning Machines

Rochester Barrel Mach. Works, Rochester, N. Y.

## 8438—Heading, Upsetting & Forging Machines (Combined)

Ajax Mfg. Co., 3830 Lakeside, Cleveland, Ohio

## 8439—Heading & Shingle Sawing Machines

Ireland Machine & Foundry Co., Norwich, N. Y. *See adv index at end of book*
Oram John S. Co., 1316 E 53rd, Cleveland, O
Rochester Barrel Machine Works (Pendulous), Rochester, N. Y.

## 8440— Heating Machines

See also Furnaces, Annealing & Case Hardening

American Gas Furnace Co. (For Hardening Annealing, etc), 24 John, New York
Otis Boiler Co. Inc., 335 W 1st, Oswego, N. Y.
Rockwell W. S. Co., 50 Church, New York. *See adv index at end of book*

## 8441—Heel Building Machines

United Shoe Machinery Co. ("Boss"), 205 Lincoln, Boston, Mass.

## 8442—Hide Stamping Machines

Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.

## 8443—Hide & Leather Working Machinery

Associated Tanners' Machinery Co., 434 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
Boyle John & Co. (Shaving Macine), Peabody, Mass.
Evans' John Sons, 506 N 13th, Phila., Pa.
Hemingway Machine Co., Lynn, Mass.
Hide & Leather Wrkg. Machine Co. (Tanning & Currying Machines, Unhairing Machines, Parts, Tools, etc.), 4215 Meinecke av, Milwaukee, Wis.
Holmes Chas. Leather Working Machinery Co., Cambridge, Mass.
Hutchinson Leather Machine Co., Winchester, Mass.
Layman A. C. Machine Co., Wilmington, Del.
Loy & Newrath Co., 35 Runyon, Newark, N. J.
Martin Wm. F. (Tan Presses, Finishing Machines, etc), Salem, Mass.
Munkwitz Edw. H. Co., 159 Muskego av, Milwaukee, Wis.
Newark Leather Machine Co., 153 Frelinguysen av, Newark, N. J.
Slocomb F. F. & Co. (Staking & Glazing Machines, etc), 14th & Poplar, Wilmington, Del.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.
Woburn Machine Co., Woburn, Mass.

## 8444—Hinge & Butt Machinery

Baird Machine Co. (Semi-Automatic & Automatic), Bridgeport, Conn.
Erie Forge Co. (Stamp), Erie, Pa.
Ferracute Machine Co., Bridgeton, N. J.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## Hod Hoisting Machines

See Elevators, Hod

## 8445—Hoe Rolling Machines

Birmingham Iron Foundry, Derby, Conn.

## 8446—Hog & Beef Casing Cleaning Machines

Allbright-Nell Co., 5315 Western av, Chicago, Ill.

## Hogshead Trussing Machines

See Barrel Trussing Machines

## 8447— Hoisting Machinery

See also Cranes; also Derricks; also Engines, Hoisting; also Hoists of Various Kinds

Browning, Sommers, Adams Co., Cleveland, O., Mansfield, O., & College Point, N. Y. *See adv index at end of book*
Clover Leaf Machine Co., So. Bend, Ind.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Garfield & Co., 1323 Hearst bldg, San Francisco, Cal.
Horton John T. 157th & 8th av, New York
Hoisting Machinery Co., 50 Church, New York *See adv index at end of book*

HOISTING MACHINERY—continued

**LIDGERWOOD MFG. CO.,** 96 Liberty, New York. *See adv index at end of book*
Interstate Bridge Forge & Mfg. Co., 207 Market, Newark, N. J.
Ireland Machine & Foundry Co., Norwich, N. Y. *See adv index at end of book*
**Mundy J. S.** Hoisting Engine Co., 722 Frelinghuysen av, Norwalk, N. J. *See adv index at end of book*
Munsch & Washburn ("Silent" For Schooners, Lighters), Stone & McDougal, Brooklyn, N. Y.
Myrick Machine Co., 3 to 10 H. P. Aircooled), Olean, N. Y.

## 8448-9—*Hoisting Machinery (Pneumatic & Electric)

**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*

**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*

## Hollow Building Block Machinery

See Clay Building Block Machinery; also Concrete Building Block Machinery

## 8450—Hollow Chisel Mortising Machines

Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co. (Vertical), Cincinnati, O.
Wysong & Mills Co., Greenboro, N. C.

## 8451— Hominy Machinery

Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill

## 8452—Honey Comb Foundation Machines.

Root A. I. Co., Medina, O.

## 8453—Hook Bending Machines

**AMERICAN CAN CO.** (Machinery Dept.), (Single & Double Rail Hook; Former for Lard Pails, Paint Buckets, etc), Monroe bldg, Chicago, Ill. *See adv index at end of book*

## 8454—Hook & Eye Machinery

Baird Machine Co. (Automatic), Bridgeport, Conn.
Manville E. J. Mach. Co., Waterbury, Conn.
Nilson A. H. Machine Co. (Automatic), Bridgeport, Conn.
Special Machinery Co. (Automatic), Bridgeport, Conn.

## 8455—Hook & Eyelet Setting Machines

Smith F. H. Mfg. Co. ("Universal" Hand & Foot Power), 3047 Carroll av, Chicago, Ill.

## Hoop Driving Machines

See Barrel Hoop Driving Machines

## 8456—Hoop Flaring, Punching & Shearing Machines

Glader Wm. ("Glader's" for Heavy Work), 210 N Ann, Chicago, Ill



Oram John S Co., 1316 E 53rd, Cleveland, O.
Rock River Machine Co., Janesville, Wis.

## 8457— Hoop Machinery

See also Barrel Machinery

Defiance Machine Works, Defiance, O.
Rochester Barrel Machine Works (Hoop, Cutters, etc.), Rochester, N. Y.
Stevens Macine Shops (Shavers, etc.). Winooski, Vt.

## 8458—Hoop Nailing Machines

Holmes E. & B. Machinery Co., Buffalo, N. Y.

## 8459—Hoop Punching Machines

Glader Wm. ("Glader's" Automatic), 210 N Ann, Chicago, Ill.
Oram John S Co., 1316 E 53rd, Cleveland, O.
Rock River Machine Co., Janesville, Wis.

## 8460—Hoop Riveting Machines

Glader Wm., 210 N Ann, Chicago, Ill.
Oram John S Co., 1316 E 53rd, Cleveland, O.
Rock River Machine Co., Janesville, Wis.

## 8461—Hoop Stapling Machines

Holmes E. & B. Machinery Co., Buffalo, N. Y.
St. Joseph Iron Works, St. Joseph, Mich.

## 8462—Horn Working Machinery

Cook F. H. & Co., Leominster, Mass.

## 8463—Horse Clipping Machines

See also Clippers, Horse; also Sheep Shearing Machines

American Shearer Mfg. Co. ("Priest's), Nashua, N. H.
**CHICAGO FLEXIBLE SHAFT CO.** ("Stewart" Ball Bearing), 5600 W 12th, Chicago, Ill.
Coates Clipper Mfg. Co. ("Coates" Flexible Shaft, Electric & Hand Power), Worcester, Mass.
Gillette Clipping Machine Co., 129 W 31st, New York
Packer & Sons, La Grange, Ill.
Reliable Elec. Co., 411 Sangamon, Chicago, Ill.
Stow Mfg. Co., Binghamton, N. Y. *See adv index at end of book*
Taber Pump Co., Buffalo, N. Y.

## 8464-5—Horse Collar Machinery

See also Harness Machinery

Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Randall J. D. Co., 610 W Court, Cincinnati, O.

## 8466— Horseshoe Machinery

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Remington Machine Co., 411 E Front, Wilmington, Del.

## 8467—Hose Machines (Rubber Mill)

**ADAMSON MACHINE CO.,** Akron, O. *See adv index at end of book*
Birmingham Iron Foundry, ("Birmingham"), Derby, Conn.
Farrel Fdry & Machine Co., Ansonia, Conn.
New England Butt Co., 304 Pearl, Providence, R. I.

## 8468—Hot Forge Nut Machines

National Machinery Co., Tiffin, O.

## 8469—Hot Rolled Stock Straightening & Cutting Machinery (Automatic)

Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Kane & Roach, Syracuse, N. Y.
**SHUSTER F. B. CO.,** Cedar Hills, New Haven, Conn. *See adv index at end of book*

## 8470-1—Hot Sawing Machines

See also Cold Saw Cutting-Off Machines

Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
American Saw Works, Hackettstown, N. Y.
Billings & Spencer Co. ("B. & S."), Hartford, Conn.
Espen-Lucas Machine Works (High Speed, etc), 21 Girard av, Phila., Pa.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh, Hemphill Co. (Horizontal, for Rolling Mill, etc), ft. of 12th, Pittsburgh, Pa.
**MESTA MACHINE CO.,** Box 1124 Pittsburgh, Pa. *See adv index at end of book*
National Roll & Foundry Co., Avonmore, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
United Engineering & Foundry Co. (Sliding, Swinging & Stationary Saw for rolling Mills), Keenan bldg, Pittsburgh, Pa.

## 8472—Hub Mortising & Boring Machines

Defiance Machine Works (Plain & Hollow Chisel), Defiance, O.

## 8473—Hub, Spoke & Rim Machinery

Defiance Machine Works, Defiance, O.
Empire Machine W'ks (Spoke Only), Mt. Morris, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Kane & Roach (Boring), Syracuse, N. Y.
Ober Mfg. Co. (Spoke), Chagrin Falls, O.
Smith Phillip Mfg. Co., Sidney, O.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

## 8474—Hulling Machines (Buckwheat)

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

## Hydrating Machines

See Lime Hydrating Machinery

## 8474a—Hydraulic Machinery

See also Accumulators, Hydraulic; Cranes, Hydraulic; Dredging Machinery, Hydraulic; Gauges, Hydraulic; Hydraulic Rams; Jacks, Hydraulic; Lifts, Hydraulic; Presses, Hydraulic, Various Kinds; Pumps, Hydraulic; Punches, Hydraulic; Riveting Machines, Hydraulic; Etc.

Garratt W. T. & Co., 299 Tremont, San Francisco, Cal. *See adv index at end of book*
Hennebohle Frank, 81st & So Chicago av, So Chicago, Ill.
Hension & Hubbell, 219 N Jefferson, Chicago, Ill.
Hydraulic Press Mfg. Co. (The), Mt. Gilead, Ohio
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Worthington Pump & Machinery Corp., 115 B'way, New York

## 8475—Ice Chipping Machines

Premier Machinery Co., Oakland, Cal.
Schmidt B. L. Co., Davenport, Ia.

## 8476—Ice Cream Biscuit Machines

Ice Cream Cone Mach. Co., 5800 Hough av, Cleveland, O.
Premier Machinery Co., Oakland, Cal.
Sharp L. C. Mfg. Co. (Hydraulic Cone), Plattsmouth, Neb.
Union Machine Works & Iron Foundry, 1821 S Water, Phila, Pa.

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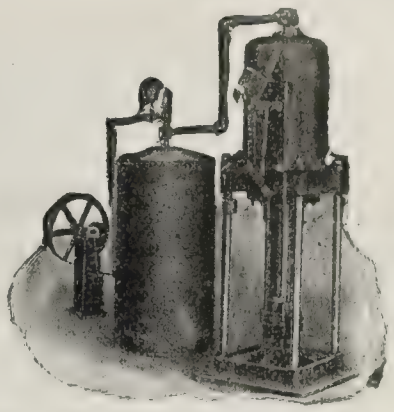

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### 8477— Ice Cream Machines

See also Freezers, Ice Cream

Allman Gas Engine & Machine Co. ("Champion"; also Ice Cream Machine & Ice Breaker Combined), 461 Canal, New York
Davis-Watkins Dairymen's Mfg. Co. (& Equipment), N Chicago, Ill.
Erny Henry, 75 Fulton, New York
Premier Machinery Co., Oakland, Cal.

### 8478—Ice Crushing Machines

**LINK-BELT CO.**, 329 W 39th & Stewart av, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

### 8479—Ice Cube Cutting Machines

Reinhold Mfg. Co. ("Jumbo," "Gem"), 139 Beaubien, Detroit, Mich.
Schwenker W. M., 342 E 92d, New York

### 8480— Ice Cutting Machines

Jennings C. E. & Co. ("Chandler's"), 71 Murray, New York

### Ice Elevating Machinery

See Ice Handling Machinery

### 8481—Ice Handling Machinery

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Chain Belt Co., Milwaukee, Wis.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Euclid Crane & Hoist Co. (Ice Handling Cranes), Euclid, Ohio
*See adv index at end of book*


ICE HANDLING CRANES & HOISTS
THE EUCLID CRANE & HOIST CO.
EUCLID, OHIO


Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
**GIFFORD-WOOD CO.**, Hudson, N. Y.
Grote F. Mfg. Co. (Hoists), Evansville, Ind.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.** (Ice Runs, Ice Chains), 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.
Premier Machinery Co., Oakland, Cal.
Schultz A. L. & Son (For Ice Harvesting), 1675 Elston av, Chicago, Ill.
Triumph Ice Machine Co., Oakley, Cincinnati, O.
Van Emon B. C., Inc., Elevators, 235 1st, San Francisco, Cal.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*

### 8482—Ice Machines (Family)

Germania Refrigerator & Machinery Co., Belleville, Ill.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Shipley Const. & Supply Co., ft of Warren, Brooklyn, N. Y.

### 8483—Ice Machines (Portable)

Baker Ice Machine Co., Omaha, Neb.
Brunswick Refrigerating Co., New Brunswick, N. J.
Fisher Machine Works Co., Leavenworth, Kans.
Shipley Const. & Supply Co., ft of Warren, Brooklyn, N. Y.
United Iron Works, Inc., Kansas City, Mo.
York Mfg. Co., York, Pa.

### 8484—Ice Recording Machines

Stevenson Cold Storage Door Co., Chester, Pa.

### 8485—Ice & Refrigerating Machines

American Carbonic Machinery Co., Grand Rapids, Wis.
American Standard Shipfitting Corp. (Ship), 115 B'way, New York
*See adv index at end of book*
Armstrong Machinery Co. ("Spokane," "Alaskan," "Siberian"), Spokane, Wash. *See adv index at end of book*


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Arctic Ice Machine Co. (Raw & Distilled Water), Canton, O.
Automatic Refrigerating Co. (Automatic), Hartford, Conn.
Baker Ice Machine Co. (2 to 50 Ton, also Making Clear Ice from Rain Water), Omaha, Neb.
Bell & Wildman, 619 Upshur, Portland, Ore.
Bishop & Babcock Co., Cleveland, O.
Born H. A. Co., Inc., 326 River, Chicago, Ill.
Bouchard Jno. & Sons Co., Nashville, Tenn.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Broas & Sage Co., 17 Alling, Newark, N. J.
Brunswick Refrigerating Co., New Brunswick, N. J.
Buffalo Refrigerating Machine Co., 126 Liberty, New York
Carbondale Machine Co. ("The Hendrick"), Carbondale, Pa.
Clothel Co. (Low Pressure), 61 Broadway, New York.
Columbus Iron Works (Absorption System), Columbus, Ga.
Continental Machine & Foundry Co., 517 Ins. Exc. bldg, Chicago, Ill.
Creamery Package Mfg. Co. ("Creamery Package"), 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
De La Vergne Machine Co., ft E 138th, New York
Detroit Heating & Refrigerating Co., 631 Gratiot, Detroit, Mich.
Fisher Machine Works Co. (¼ to 60 Tons), Leavenworth, Kans.
Frick Co., Waynesboro, Pa.
Great Lakes Engineering Works, Real Estate Exch. bldg, Detroit, Mich.
Hallam F. W. & Co., 379-380 Harmon, Brooklyn, N. Y.
Harmon Engineering Co., Charlotte, N. C.
Harris Ice Machine Works, 174 E Water, Portland, Ore.
Huetteman & Cramer Co., Mack & Beaufait, Detroit, Mich.
Ice & Cold Machine Co., 3003 N Broadway, St. Louis, Mo.
Iceless Machine Co., 12014 Iowa av, Cleveland, Ohio
Isko Co. (Electrical), 111 W Washington, Chicago, Ill.
Jarvis Engineering Co., 261 Franklin, Boston, Mass.
Jarvis T. P. Machine Works, 275 Connecticut, San Francsico, Cal.
Johns-Manville H. W. Co. ("Audiffren-Singrun" Refrigerating Machines), Madison av & 41st, New York
Kelvinator Corp. ("Kelvinator"), 621 W Fort, Detroit, Mich.
Kroeschell Bros. Ice Machine Co., 472 W Erie, Chicago, Ill.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
McClellan Refrigerating Mach. Co., 570 W Adams, Chicago, Ill.
Macdonald Engineering Co., 53 W Jackson blvd, Chicago, Ill.
Midwest Engineering & Equipment Co., 617 Fulton, Chicago, Ill.
Murray Iron Works Co., Burlington, Ia.
National Machine Co., 636 National av, Milwaukee, Wis.
Niebling F. W. Co., W 6th & Baymiller, Cincinnati, O
Ott Geo, F., 209 Buttonwood, Phila., Pa.
Peerless Ice Machine Co., 503 S Jefferson, Chicago, Ill.
Rebsamen & Almeroth, 2324 Elston av, Chicago, Ill.
Refrigeration Engineering Co., Toledo, O.
Remington Machine Co., 411 E Front, Wilmington, Del.
Roelker, H. B. ("Allen" Dense Air Ice Machines), 41 Maiden la, New York
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Schwenker W. M., 342 E 92d, New York
Shipley Const, & Supply Co., ft of Warren, Brooklyn, N. Y.
Steele & Condict, 74 Pearl, Jersey City, N. J.
Stevens Will P., 1630 Long Beach av, Los Angeles, Cal.
Triumph Ice Machine Co. ("20th Century Tangye"), Oakley, Cincinnati, O.

ICE & REFRIGERATING MACHINES—continued
**United Iron Works, Oakland, Cal.**
United Iron Works, Inc. (¼ to 50 Tons per Day), Kansas City, Mo.
Van Zand Iron Works, Fort Worth, Tex.
Vesterdahl Karl & Co., 90 West, New York
**VILTER MFG. CO.,** 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Vogt Brothers Mfg. Co., Inc., Louisville, Ky.
**Vogt Henry Machine Co., Louisville, Ky.**
**Vulcan Iron Works, 1849 Kearny, San Francisco, Cal.**
**Wegner Machine Co., Buffalo, N. Y.**
**Westinghouse Machine Co.** ("Westinghouse-Leblanc" For Marine Works), E **Pittsburgh, Pa.**
**Wolf, Sayer & Heller, Fulton & Peoria,** Chicago, Ill.
**York Mfg. Co., (Refrigerator Mfrs), York, Pa.**

## 8486—Incandescent Lamp Making Machinery

Dwyer Machine Co., Lynn, Mass.
Hygrade Engng. Co., 391 Mulberry, Newark, N. J.
York Electric & Machine Co., York, Pa.

## 8487— Incline Machinery

Stine S. B., Osceloa Mills, Pa.

## Ink Grinding Machines

See Mills, Ink Grinding

## Insulating Machinery

See Wire & Cable Insulating Machinery

## 8488—Insulator Pin, Bracket & Cross Arm Machinery

Defiance Machine Works, Defiance, O.
Premier Machinery Co., Oakland, Cal.
Wheland Co., Chattanooga, Tenn.

## 8489— Ironing Machines

Adams Laundry Machinery Co. (Steam or Gas, "Monarch," "Rex," "Style A"), Troy, N. Y.
Domestic Laundry Equipment Corp. ("Domestic," "Simplex"), 224 W 26th, New York
Mann Corp. ("Manco"), 72 W Adams, Chicago, Ill.
Twiner Tanning Machinery Co. ("Twiner," Horizontal for Leather), Peabody, Mass.

## 8490-1—Ironing Machines (Household)

American Ironing Machine Co. ("Simplex"), 166 N Michigan, Chicago, Ill.
American Wringer Co., 99 Chambers, New York
Asher Mfg. Co. (Flat Work & Body Clothes Ironers), Irvington, N. J.
Bergbam & Roberg, 218 N Jefferson, Chicago, Ill.
Chicago Dryer Co. ("Chicago"), 630 S Wabash av, Chicago, Ill.
Domestic Laundry Equipment Corp. ("Domestic," "Simplex"), 224 W 26th, New York
Horton Mfg. Co., Fort Wayne, Ind.
Hurley Machine Co. ("Thor" Electric), Cicero, Ill.

## Irrigating Machinery

See Pumps, Irrigating

## Jar Ring Machines

See Lathes, Jar Ring

## Jarring Machines

See Molding Machines, Foundry

## 8492— Jewelers' Machinery

American Tool & Machine Co. (Centrifugal Dryers for Small Pieces that have been Coated, Dipped, Japanned, Painted, Plated or Washed), 16 High, Boston, Mass.
Buffalo Machine Mfg. Co., Buffalo, N. Y.
Gesswein F. W. Co., 16 John, New York
Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.
Leiman Bros., 81 Walker, New York
Moseley Lathe Co., Elgin, Ill.
**Ruesch H. J. Machine Co., 407 Mulberry,** Newark, N. J.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Standard Machinery Co., Providence, R. I.
**Wisconsin Elec. Co. (Lathe Motors, Elec. "Dumore"), 1600 Junction av, Racine, Wis.** *See adv index at end of book*
Worthington & Raymond ("Optimus" "W & R" Jobbers), 71 Murray, New York

## 8493—Jewelers' & Opticians' Machines & Tools

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Bausch & Lomb Optical Co. (Opticians Only), Rochester, N. Y.
General Optical Co., 506 E 42nd, New York
**Langelier Mfg. Co., Arlington, Providence,** R. I.
Norden S. & Co., 150 S Water, Providence, R. I. *See adv index at end of book*
**Reisner W. H. Mfg. Co., Hagerstown, Md.**
Sloan & Chase Mfg. Co., 351 6th av, **Newark, N. J.**
**Wisconsin Elec. Co.** ("Dumore," Elec.), 1600 Junction av, Racine, Wis. *See adv index at end of book*
Worthington & Raymond, ("Optimus," "W & R" Jobbers), 71 Murray, New York

## 8494—Joggling Machines for Shipyards

**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
**MORGAN ENGINEERING CO.** (Electric, with Hand Crane), Alliance, O. *See adv index at end of book*

## 8495—Joggling Machines (Plate)

**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Southwark Fdry. & Mach. Co., 430 Wash. av, Phila., Pa.

## 8496—Joint Wiping Machines

**United Brass Mfg. Co., 3844 Hamilton av Cleveland, O.**

## 8497— Jointing Machines

Bicknell Mfg. & Supply Co. (With Extended Arbor for Attachments), Janesville, Wis.
Jones Superior Machine Co. (Hand, etc), 1264 W. North av, Chicago, Ill
Kane & Roach (Wood), Syracuse, N. Y
Myers Machine Co. (Wood), Sheboygan, Wis.
Porter C. O. Machinery Co., Grand Rapids, Mich. *See adv index at end of book*
Silver Mfg. Co. (Power), 256 Salem, O.
Smith & Phillips Mfg. Co. (Edge Jointing & Shaping), 1008 W Madison, Chicago, Ill.
Yates P. B. Machine Co., Beloit, Wis.

## 8498-9—Jointing Machines (Cutter Head)

Shimer Samuel J. & Sons, Milton, Pa.

## Jolt Molding Machines

See Molding Machines

## 8500— *Jolting Machines

Osborn Mfg. Co. ("Osborn" Grain, Core, Rolling Oven, Stripper & Squeezer), 5401 Hamilton av, Cleveland, O. *See adv index at end of book*

OSBORN MOULDING MACHINES

## 8501—Keel Plate Bending Machines (Hydraulic)

**MORGAN ENGINEERING CO.,** Alliance, Ohio *See adv index at end of book*
Southwark Fdry & Mach Co., 430 Wash. av, Phila., Pa.

## Keg Machinery

See Barrel, Keg, Stave & Heading Machinery

## 8502—Keg Scrubbing Machines

Burton Engng. & Machinery Co., Spring Grove av., Cincinnati, O.
Danner Adam Co., Yonkers, N. Y.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Olsen & Tilgner Mfg. Co., 2280 Elston av, Chicago, Ill.
Torchiani H., 140 N Dearborn, Chicago, Ill.
Zoller Chas Co., 211 E 94th, New York

## Keg Washing Machines

See Barrel Washing Machines

## 8503— Key Cutting Machines

Corbin Cabinet Lock Co. ("Corbin" Automatic Duplicating), New Britain, Conn.
Gussman Key Cutting Machine Co., 1 Madison av, New York
Harrison & Co. ("Harrison, M. I. P." for Keys), 81 New, New York

## 8504— Key-Seating Machines

Bucher-Smith Co., E. Liverpool, O.
Burr John T. & Son, 429 Kent av, Brooklyn, N. Y.
Chattanooga Machy. Co., Chattanooga, Tenn.
**CLEVELAND CUTTER & REAMER CO., (THE),** (Woodruff"), 1619 Morwin av, Cleveland, Ohio *See adv index at end of book*
Davis Mach. Tool Co., Rochester, N. Y.
Detroit Reamer & Tool Co., 302 Congress, Detroit, Mich.
Garrett Attachment Co., Nashville, Tenn.
Mercury Machine Co. ("Lake," Portable), 2127 N Broad, Phila., Pa.
Mitts & Merrill ("Giant"), Saginaw, Mich.
Morton Mfg. Co. (Stationary & Portable Key Way Cutters), Muskegon, Mich.
National Machine Tool Co. ("Miller," "National"), Cincinnati, O.
National Tool Co., Cleveland, O. *See adv index at end of book*
**Niles-Bement-Pond Co., 111 B'way, New York**
Pawtucket Mfg. Co. ("Knowles"), Pawtucket, R. I
**Ryerson Jos. T. & Son** (Portable Automatic), 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga. *See adv index at end of book*
**Union Twist Drill Co.** ("Woodruff," Keyway Cutters), Athol, Mass.
Walraven Co., (The), 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
**Wheland Co.** ("Catlin"), **Chattanooga,** Tenn.
Whitney Mfg. Co. ("Whitney" Adopted For Woodruff System), Hartford, Conn.

## 8505—Kindling Wood Machinery

See also Sawing & Splitting Machinery
American Sawmill Machinery Co., Hackettstown, N. J.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Duplex Mfg. Co., Superior, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Hildreth Bros. (Splitting), Harvard, Mass.

## 8506—Kneading & Mixing Machines

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Day J. H. Co., Cincinnati, O
Ross Chas. & Son Co. (For Putty, Dough & Rubber, etc), 148 Classon av, Brooklyn, N. Y.

## 8507—Knife Balancing Machinery

Fay J. A. & Egan Co., Cincinnati, O.
Yates P. B. Machine Co., Beloit, Wis.

## 8508-9—Knife Polishing & Buffing Machines

Automatic Buffing Machine Co. (Automatic), Buffalo, N. Y.
Clizbe Bros. Mfg. Co., Plymouth, Ind.

## Knitting Machinery

See Textile Machinery; for page number consult Index of Contents

## Kraut Cutting Machines

See Cutters, Kraut

## 8510—Label Varnishing Machines

**Chambers Bros. Co., 52d below Lancaster av, Phila., Pa**
**United States Finishing & Mfg. Co., 216 N Clinton, Chicago, Ill.**

## 8511— Labeling Machines

**Anderson E. D. (Inc.), 101 Park av, New York**
**Beck Chas. Machines Co., 607 Chestnut, Phila, Pa.** *See adv index at end of book*
**Boston Bottle Wiring & Labeling Co. ("Empire," "Eureka," "Enterprise" Bottle, Labeling Machines; also Hand Pasting Devices), 23 Wormwood, Boston, Mass.**
**Burt Machine Co. (Can, etc), 403 E Oliver, Baltimore, Md.**
**Continental Mfg. Co. ("Continental"), 4611 Girard, Phila., Pa.**
**Economic Machinery Co. ("World"), Worcester, Mass.**
**Ermold Edw. Co. (Bottle), 656 Hudson, New York**
**Jagenberg Machinery Co., 131 W 24th, New York**
**Knapp Fred H. Co., Lexington bldg., Baltimore, Md.**
**Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.**
**Morral Bros. ("Morral" Can, etc), Morral, Ohio.**
**National Labeling Machine Co., 342 Vernon av, Long Island City, N. Y.**
**New Jersey Mach Corp., Hoboken, N. J.**
**Peters Machinery Co., 209 S La Salle, Chicago, Ill.**
**Premier Machinery Co., Oakland, Cal.**
**Robins A. K. & Co. ("Hammond Can"), 116 Market pl, Baltimore, Md.**
**Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.**
**Standard Automatic Machine Co. (For Boxes, Bottles, Cans, Tubes, etc), Rochester, N. Y.**
**U. S. Bottlers Machinery Co. ("Ermold" Bottle), 2511 Park, Chicago, Ill.**

## 8512—Laboratory Machinery

**Abbe Engineering Co., 216-224 B'way, New York** *See adv index at end of book*
**Braun Corp. (Flotation), 363 New High, Los Angeles, Cal.**
**Colton Arthur Co., 782 Jefferson, Detroit, Mich.**
**Day J. H. Co., Cincinnati, O.**
**Hall A. M. Co., Indianapolis, Ind.**
**Patterson Foundry & Machine Co., East Liverpool, O.**
**Sturtevant Mill Co. (Crushers, Grindstones, etc), Clayton & Park, Dorchester, Mass.**

## 8513— Lacquering Machines

See also Can Lacquering Machine

**Ohl Geo. A. & Co. (For Tin, Metal & Cardboard, etc.), 159 Oration, Newark, N. J.**

## 8514—Lag Screw Threading Machines

**Landis Machine Co., Waynesboro, Pa.**

## 8515—Lamp Burner Machinery

**Baird Machine Co. (Automatic), Bridgeport, Conn.**
**Nilson A. H. Machine Co. (Automatic), Bridgeport, Conn.**

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

## 8516—*Land Clearing Machinery

Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*

LAND-CLEARING MACHINERY
Steam Stump Pulling and Piling Machines
Manufactured By
CLYDE IRON WORKS
CLYDE IRON WORKS SALES CO.
Sole Distributors
DULUTH, MINN.

## 8517— Lapping Machines

See also Textile Machinery

**Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.**
**LeBlond R. K. Mach. Tool Co., Cincinnati, Ohio**
**Mitts & Merrill (For Band Saws), 1939 S Water, Saginaw, Mich.**
**Oliver Instrument Co. (With Filing & Sawing Attachments), Adrain, Mich.**
**Pratt & Whitney Co., Hartford, Conn.**
**R. I. Braiding Machine Co., 228 Aborn, Providence, R. I.**

## 8518—Lard Cooling Machines

**Black-Clawson Co., Hamilton, O.**

## 8519—Lard & Butter Pail Machinery (Sheet Metal)

**BLISS E. W. CO., 19 Adams, Brooklyn, N. Y.** *See adv index at end of book*

## 8520— Last Machinery

**Kimball Bros. & Sprague, Brockton, Mass.**

## 8521— Lath Mill Machinery

**Abbott Machine Co., Olean, N. Y.**
**American Saw Mill Machinery Co., Hackettstown, N. J.**
**American Wood Working Machinery Co., Rochester, N. Y.**
**Bartlett A. F. & Co., Saginaw, Mich.**
**Butterworth & Lowe (Sheathing, Lath, etc.), Grand Rapids, Mich.**
**Challoner Co., Oshkosh, Wis.**
**Chapman's T. M. Sons Co. (Gang Machines), Old Town, Me.**
**Chase Turbine Mfg Co., Orange, Mass.**
**Diamond Iron Works, 2nd & 18th av, N, Minneapolis, Minn.**
**Garland M. Co., Bay City, Mich.**
**Lane Mfg. Co., Montpelier, Vt.**
**Mitts & Merrill, 1939 S Water, Saginaw, Mich.**
**Newman Machine Co., Greensboro, N. C.**
**Stearns Co., Erie, Pa.**
**Union Iron Works, Bangor, Me.**
**U. S. Machine Co., Williamsport, Pa.**
**Wheland Co., Chattanooga, Tenn.**
**Wickes Bros., Saginaw, Mich.**

## 8522— Laundry Machinery

See also Laundry Dryers, Tubs, etc

**Adams Laundry Machinery Co. (Washers, etc), Troy, N. Y.**
**American Ironing Machine Co. ("Simplex" Ironer), 166 N Michigan, Chicago, Ill.**
**American Laundry Machinery Co. (("Hercules," "C & C" Ironers, Mangles, Cylinder Washers, etc.), Cincinnati, O.**
**American Mangle & Roller Co., Racine, Wis.**
**American Wringer Co. (Laundry, Power & Hand Wringers, Mangles, Washing Machines, etc), 99 Chambers, New York**
**Asher Mfg. Co., Irvington, N. J.**
**Bishop Geo. H. ("C. & C." Starchers & Specialties), 550 W Washington, Chicago, Ill.**
**Bourret-Kirkwood Co., 1128 Mission, San Francisco, Cal.**
**C. & D. Machy. Exchange (Cleaners & Dyers), Cincinnati, O.**
**Chicago Laundry Machinery Co. ("Floran" Seam Dampeners, Fold Collar Shaper & Edger, "C. & C." Edgers), 213 W Grand av, Chicago, Ill.**
**Cleveland Laundry Machy Mfg. Co., 5184 Fowler av, S E, Cleveland, O.**
**Detroit Laundry Machine & Supply Co., 224 21st, Detroit, Mich.**
**Domestic Laundry Equipment Corp., 224 W 26th, New York**
**Electro-Chemical Co., Dayton, O.**
**Empire Laundry Machinery Co., 352 Western av, Boston, Mass.**
**Fritz Geo. J. Fdry & Mach. Co., 2018 S 3rd, St. Louis, Mo.**
**Harvey W. W. & Son, Constantine, Mich.**
**Heim Machine Co., Danbury, Conn.**
**Interstate Machinery Co., Troy, N. Y.**
**Lovell Mfg. Co., Erie, Pa.**
**Lovewell-Henrici Co. ("Henrici" Extractors, Dampening Presses, etc.), Chelsea, Mass.**
**Lutes-Sinclair Co., Benton Harbor, Mich.**
**Mateer F. W. & Co. (Extractors, C. & C. Ironers, Cylinder Washers, etc), 222 W Ontario, Chicago, Ill.**
**Minneapolis Laundry Machinery Co., 114 N 11th, Minneapolis, Minn.**
**National Chemical Co. (Starch Comminutors), Syracuse, N. Y.**
**Oakley & Keating, 673 Manhattan av, Brooklyn, N. Y.**
**Paragon Mfg. Co., 2427 W 14th, Chicago, Ill.**
**Phillips Wm. & Co., Northville, Mich.**
**Poland Laundry Machinery Co., 47 Kemble, Boston, Mass.**
**Raymond Mfg. Co., Saugatuck, Conn.**
**Reed Mfg. Co. (Collar Shapers), Erie, Pa.**
**Stebbins Mfg. Co. ("Metcalf" Double Water Feed Seam Dampener), 1737 Blake, Denver, Colo.**
**Tolhurst Machine Works, Troy, N. Y.**
**Triumph Laundry Machinery Co., Hamilton, O.**
**Triumph Mfg. Co., 500 Delaware, Kansas City, Mo.**
**Troy Laundry Machinery Co. (Ltd.), 23d & La Salle, Chicago, Ill.**
**Watts Laundry Machine Co., Willimantic, Conn.**
**Western Laundry Machinery Co., 416 Mission, San Francisco, Cal.**
**Willey Co., Inc. ("Hurry" Dryers, "F" & "C & C" Ironers, etc), 1222 Race, Phila., Pa.**
**Zeidler Wm. A. Co., 182 Locust av, New York**

## 8523—Laundry Marking Machines

**Hume Mfg. Co., Kansas City, Kans.**
**Lang J. A. & Sons, 280 Dover, Boston, Mass.**
**National Marking Machine Co., Cincinnati, O.**

## 8524—Leach Casting Machines

**Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.**

## 8525—Lead Pipe & Trap Machinery

**Farrel Foundry & Machine Co. (Lead Pipe), Ansonia, Conn.**
**Robertson Jno. & Co. (Also for Sheet Lead, etc.), 133 Water, Brooklyn, N. Y.**

## 8526—Leather Blacking Machines

**Turner Tanning Machy. Co. ("Turner"), (For Coloring, Staining, Gumming, Pasting, etc.), Peabody, Mass.**

## 8527—Leather Bleaching Machines

**Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.**

## 8528—Leather Board Machines

**Noble & Wood Mach. Co., Moosick Falls, N. Y.**

## 8529—Leather Brushing Machines

**aker G. W. Machine Co., Wilmington, Del.**
**Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.**

## 8530—Leather Buffing Machines

**Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.**
**Naumkeag Buffing Machine Co., Beverly, Mass.**
**Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.**

## 8531—Leather Creasing Machines

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Randall J. D. Co., 610 W Court, Cincinnati, O.

## 8532—Leather Cutting Machines

Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.

## 8533—Leather Drying Machines

**Devine J. P. Co., Buffalo, N. Y.**
Procter & Schwartz, Inc., 7th & Tabor rd, Phila, Pa.
*See adv index at end of book*
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.

## 8534—Leather Embossing Machines

Hydraulic Press Mfg. Co., Mt. Gilead, Ohio. *See adv index at end of book*
Logeman Bros. Co. (Hydraulic), 130 Burleigh, Milwaukee, Wis.
Osborne C. S. & Co. (Harness Makers, etc.), Box 183, Newark, N. J.
*See adv index at end of book*
Randall J. D. Co., 610 W Court, Cincinnati, O.
United Shoe Machinery Co. ("U. S. M. C."), Boston, Mass.

## 8535—Leather Finishing Machines

Martin Wm. F., Salem, Mass.

## 8536—Leather Fleshing & Slating Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co. ("Wilmington" Roller), Wilmington, Del.
Hutchinson Leather Machine Co., Winchester, Mass.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.
**Whitney Machine Co., Winchester, Mass.**

## 8537—Leather Glazing Machines

**Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.**
Baker G. W. Machine Co., Wilmington, Del.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

## 8538—Leather Measuring Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co. ("Sawyer's"), Wilmington, Del.
**Nightingale J. E., Danvers, Mass.**
Ross-Mayer Mfg. Co., 1423 Olive, St. Louis, Mo.
Tufting Machine Supply Co., 268 E Jefferson, Detroit, Mich.
Turner Tanning Mach'y Co. ("Turner," "Korrect," Improved "Sawyer"), Peabody, Mass.
Union Leather Measuring Machine Co., Doversport, Mass.

## 8539—Leather Punching Machines

Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Randall J. D. Co., 610 W Court, Cincinnati, O.

## 8540—Leather Putting-Out Machines

**Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.**
Hutchinson Leather Machine Co., Winchester, Mass.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.
**Whitney Machine Co., Winchester, Mass.**
**Woburn Machine Co., Woburn, Mass.**

## 8541—Leather Rolling & Stoning Machines

**Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.**
Baker G. W. Machine Co., Wilmington, Del.
**Quarmby & Hilliker, Lyon, Mass.**
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

## 8542—Leather Scrubbing Machines

Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

## 8543—Leather Seasoning Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
**Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.**

## 8544—Leather Setting & Stoning-Out Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
Turner Tanning Mach'y Co. ("Turner") Peabody, Mass.

## 8545—Leather Shaving Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
**Boyle John & Co., Peabody, Mass.**
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

## 8546—Leather Skiving Machines

Fortuna Machine Co. ("Fortuna") 127 Duane, New York

## 8547—Leather Slitting & Finishing Machines

Randall J. D. Co. (Power, Round Edge), 610 W Court, Cincinnati, O.

## 8548—Leather Splitting Machines

American Tool & Machine Co. (Belt Knife), 10 High, Boston, Mass.
Baker G. W. Machine Co. ("Western Union" & Belt Knife), Wilmington, Del.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Machy. Co., Peabody, Mass.

## 8549—Leather Staking Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co. ("Baker" & "Wilmington" Boiler), Wilmington, Del.
Layman A. C. Machine Co., Wilmington, Del.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

## 8550—Leather Stamping Machines

Baker G. W. Machine Co., Wilmington, Del.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.
Turner Tanning Mach'y Co. ("Turner"), Peabody, Mass.

## 8551—Leather Unhairing Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Hutchinson Leather Machine Co., Winchester, Mass.
Munkwitz Edw. H. Co. ("Leidgen"), 159 Muskego av, Milwaukee, Wis.
**Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.**
Whitney Machine Co., Winchester, Mass.

## 8552—Leather Whitening Machines

Associated Tanners' Machinery Co., 424 Essex, Salem, Mass.
Baker G. W. Machine Co., Wilmington, Del.
Turner Tanning Machinery Co. ("Turner"), Peabody, Mass.

## Leather Working Machinery

See Hide & Leather Working Machinery

## Letter Folding Machines

See Circular Folding Machines

## 8553-4— Leveling Machines For Sheets

Hilles & Jones Co., E Wilmington, Del.
*See adv index at end of book*
Poole J. Morton Co., ft Thorn, Wilmington, Del.
**United Engng. & Fdry. Co., 307 5th av.**
Wissler A. (Any Size & Purpose), B'way & Washington av, St. Louis, Mo.

## 8555—Lime Hydrating Machinery

**American Hydrating Co. ("Hydrator"), Md. Trust bldg, Baltimore, Md.**
**Gerdes & Co., 42 Church, New York**
*See adv index at end of book*
Jackson & Church Co., Saginaw, Mich.
Kritzer Co. ("Kritzer" Continuous), 503 S. Jefferson, Chicago, Ill.
Miscampbell H. ("Clyde"), Duluth, Minn.

## 8556—Lime Slacking & Mixing Machines

Deming Apparatus Co. (Lime Slacking Tanks & Pumps), 30 Church, New York
Teal Chas. A., 1361 Ridge av, Phila, Pa.

## 8557—Lining - Beveling Machines (Photo-Engravers')

Royle John & Sons (Inc.), Paterson, N. J.

## 8558—Linoleum & Floor Cloth Machinery

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**Dienelt & Eisenhardt (Printing), 1304 N Howard, Phila., Pa.**
Farrel Foundry & Mach. Co., Ansonia, Conn.
Moore & White Co. (Printing), N 15th & Lehigh av, Phila., Pa.

## 8559—Linseed Oil Machinery

See also Cotton Seed Oil Machinery
American Machine & Mfg. Co., Atlanta, Ga.
**Buckeye Iron & Brass Works, Dayton, O.**
Callahan W. P. Co., Dayton, O.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
**ELMES CHAS. F. ENGINEERING WORKS (INC.),** cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
French Oil Mill Machinery Co., Piqua, O.
Premier Machinery Co., Oakland, Cal.

## 8560—Liquid Filling Machines

Fowler Bottling Machine Co. (Also Measuring), 124 White, New York
Premier Machinery Co., Oakland, Cal.

## 8560a—Liquid Measuring Machines

Buffalo Can & Bottle Filling Machine Co., 5961 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 8561—Lock Corner Box Machinery

Chase Turbine Mfg. Co. (Automatic Box Presses), Orange, Mass.
Connell & Dengler Machine Co. (Box Trimmers, Box Pressing, etc), Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Luster-Jordan Co., Inc., Finance bldg, Phila., Pa.
**Luster-Jordan Co., Norristown, Pa.**
Morgan Machine Co., Rochester, N. Y.
Pollard C. A. Co., Newfields, N. H.

## 8562—Lock Mortising Machines

Corbin Cabinet Lock Co. (Mortising for Locks & Keyhole Boring), New Britain, Conn.
Leukart J. Co. ("Champion"), 44 E Columbus, Columbus, O.

Pittsburgh Instrument & Machine Co. ("Pittsburgh"), 236 3d av, Pittsburgh, Pa.
Valley City Machine Works (Oscillating), Grand Rapids, Mich.

## 8562a—Lock Washer Machy.

**SLEEPER & HARTLEY, INC.** (Automatic), 335 Chandler, Worcester, Mass. *See adv index at end of book*

## Log Hauling Machines

See Log Hauls

## 8563— Log Skidding & Loading Machines

**LIDGERWOOD MFG. CO.,** 96 Liberty, New York *See adv index at end of book*
Lindsey Wagon Co., Laurel, Miss.
Luther Frederick P. Co., 14 E Jackson blvd., Chicago, Ill.

## 8564 Logging Machinery

Clyde Iron Works Sales Co., Duluth, Minn. *See adv index at end of book*

LOGGING MACHINERY
CABLEWAY AND GROUND SKIDDING AND LOADING
Manufactured By
CLYDE IRON WORKS
CLYDE IRON WORKS SALES CO.
Sole Distributors
DULUTH, MINN.

Clyde Equipment Co., 18th & Upshur, Portland, Ore.
**LIDGERWOOD MFG. CO.** (Steam), 96 Liberty, New York *See adv index at end of book*
Loggers & Contrs. Machy Co., 70 4th, Portland, Ore.
Mallory F. B. Co., 235 Pine, Portland, Ore.
Willamette Iron & Steel Wks., Portland, Ore.

## 8565— Macaroni Machinery

See also Vermicelli Machy.

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**CAVAGNARO JOHN J.,** Harrison, N. J.
Cevasco Cavagnaro & Ambrette, Inc., 156 6th, Brooklyn, N. Y.
East Iron & Machine Co., 351 E Market, Lima, O.
Peters Machinery Co., 209 S La Salle, Chicago, Ill.
Walton P. M. Mfg. Co., 1019 Germantown, Phila., Pa.

## Mail Opening Machines

See Letter Opening Machines

## 8566— Maize Machinery

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Graders, Scourers, Polishers, etc), Silver Creek, N. Y.

## 8567—Malt Cleaning & Polishing Machines

Barnard & Leas Mfg. Co., Moline, Ill.
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Polishers, Graders, etc), Silver Creek, N. Y.

## 8568— Malt Machinery

Galland-Henning Mfg. Co. (Pneumatic), 97 Wisconsin, Milwaukee, Wis.
Hersey Mfg. Co. (Pneumatic), 314 W 2nd, Boston, Mass.

## 8569— Mantle Machines

Advance Machine Co. (Shaping, Hardening & Dipping Machines, Cotton Burners, etc), 4645 Ravenswood av, Chicago, Ill.
Mantle Machinery & Patents Co. (For Sewing Incandescent Mantle), 150 Lafayette, New York
Stafford & Holt (Knitting), Little Falls, N. Y.

## 8570—Mantle Ring Machinery

Patterson Foundry & Machine Co., E Liverpool, O.

## 8571—Marble Coping Machines

Meyers W. F. Co., Bedford, Ind.

## 8572—Marble Hole Cutting Machines

Holub-Dusha Co. (Oval Hole Cutting), 1799 1st av, New York

## 8573—Marble Molding & Countersinking Machines

Meyers W. F. Co., Bedford, Ind.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

## Marble Polishing Machines

See Stone Polishing Machines

## Marble Working Machinery

See Stone Working Machinery, etc.

## 8574— Marking Machines

American Perforator Co. (Labels), 621 W Jackson blvd, Chicago, Ill.
Brewster Wm. Co., Inc. ("Elchagraph" Electrical), 30 Church, New York
Gries Bros. (Electrical Metal Marking), 450 E 148th, New York
Hjorth Lathe & Tool Co. ("Success" for Metal), 27 School, Boston, Mass.
Lang J. A. & Sons (For Tags, Leather, Textile Fabrics & Laundry Use), 280 Dover, Boston, Mass.
Martin Machine Co. ("Martin"), Turners Falls, Mass.
Newman Machine Co., Greensboro, N. C.
Noble & Westerbrook Mfg. Co. ("Dwight Slate," for Metal), Hartford, Conn.
Premier Machinery Co., Oakland, Cal.

## 8575— Mashing Machines

Kaestner & Hecht Co. (Hydraulic), 500 Throop, Chicago, Ill.
Olsen & Tilgner Mfg. Co. (Hydraulic), 2280 Elston av, Chicago, Ill.
Schock Gustav & Son, 514 W 57th, New York
Selg Brewery Apparatus Co., 1320 N 5th, Phila., Pa.

## 8576— Match Box Machinery

Birch & Birch (All Sizes), Crawfordsville, Ind.

## 8577— Match Machinery

Diamond Match Co., 111 B'way, New York

## 8578—Matching Machines (Wood)

See also Planing & Matching Machines

American Woodworking Machinery Co., Rochester, N. Y.
Chase Turbine Mfg. Co., Orange, Mass.
Crescent Machine Co., Leetonia, O.
Fay J. A. & Egan Co., Cincinnati, O.
Lane Mfg. Co., Montpelier, Vt.
Mereen-Johnson Machine Co. (Bottle Boxes), 4400 Lyndale av, Minneapolis, Minn.
Smith H. B. Machine Co., Smithville, N. J.
Stetson-Ross Machine Works, Seattle, Wash.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

## 8579—Matting Weaving Machines

Crompton & Knowles Loom Works (For Japanese Matting), Worcester, Mass.

## Mattress Machinery

See Woven Wire Mattress Machinery

## 8580—*Meat Can Machinery (Sheet Metal)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8581—Meat Can Stuffing Machines

**AMERICAN CAN CO.** (Machinery Dept.), (Rotary), Monroe bldg, Chicago, Ill. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## Metal Beading Machines

See Crimping & Beading Machines

## 8582—Metal Culvert Machinery

**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*

## 8583—Metal Cutting-Off Machines

See also Cold Saw Cutting-Off Machines; also Hot Sawing Machines

Bardons & Oliver, Cleveland, O.
Braun J. G., 609 S Paulina, Chicago, Ill.
Brightman Mfg. Co., Columbus, O.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cochrane-Bly Co., Rochester, N. Y.
Davis Machine Tool Co., Rochester, N. Y.
Disston Henry & Sons, Tacony, Philadelphia, Pa.
Etna Machine Co., Toledo, O.
Gorton Geo. Machine Works, Racine, Wis.
Greenfield Tap & Die Corpn. ("Nutter & Barnes"), Greenfield, Mass. *See adv index at end of book*
Higley Machine Co., Croton Falls, N. Y.
Hurlbut-Rogers Machinery Co., South Sudbury, Mass.
Matson Machine Co. ("Matson Safety"), Concord, N. H.
Modern Machine Tool Co., Jackson, Mich.
Napier Saw Wks, Inc. ("Napier"), Band Saw Type, Springfield, Mass.
Niles-Bement-Pond Co., 111 B'way, New York
Peerless Machine Co. (High Speed), 1619 Racine, Racine, Wis.
Peter Bros. Mfg. Co. (Abrasive), Algonquin, Ill.
Racine Tool & Machine Co. ("Racine" High Speed Power), Racine, Wis.
Roberson W. Machine & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.
Ryerson Jos. T. & Son, 916 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Sellew Machine Tool Co., Pawtucket, R. I.
Slack Mfg. Co. (With Abrasive Wheel), Springfield, Vt.
Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.

## 8584—Metal Drying Machines

See also Dryers, Centrifugal Metal Parts

MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
No-Dust Drying Machine Co. ("No-Dust"), 157 Dorrance, Providence, R. I.

## 8585—Metal Edge Box Machines

National Metal Edge Box Co. (Automatic), 1217 Callowhill, Phila., Pa.

## 8586—Metal Edging Machines

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## 8587—Metal Furniture Machinery (Sheet Metal)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8588—Metal Jig Sawing Machines

Thompson H. G. & Son Co. ("Eureka"), New Haven, Conn.

## 8589—Metal Power Sawing Machines

Braun J. G., 609 S Paulina, Chicago, Ill.
Ryerson Jos. T. & Son, 916 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

METAL POWER SAWING MACHINES—continued

Thompson H. G. & Son Co. ("Milford," "Eureka" Hack Saw Pattern), New Haven, Conn.

## Metal Sawing Machines

See Cold-Saw Cutting-off Machines; also Hot Sawing Machines

## 8590—Metal Tank Machinery

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*

## 8591—Milk Bottle Sealing Machines

Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.

Premier Machinery Co., Oakland, Cal.

## 8592—Milk Can Washing Machines

Davis-Watkins Dairymen's Mfg. Co., Jersey City, N. J.

Jones Frank L., Utica, N. Y.

Oakes & Burger Co. ("20th Century"), Cattaraugus, N. Y.

Premier Machinery Co., Oakland, Cal.

## 8593—Milk Condensing Machines

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*

Devine J. P. Co., Buffalo, N. Y.

Engineering Co., Fort Wayne, Ind.

Huetteman & Cramer Co., Mack & Beaufait, Detroit, Mich.

Premier Machinery Co., Oakland, Cal.

Rogers Chas. E., 32 Goldsmith, Detroit, Mich.

## Milk Pasteurizing Machinery

See Pasteurizers, Milk, Etc.

## 8594—Milling, Drilling & Tapping Machines (Radiator Loop)

Niles-Bement-Pond Co., 111 B'way, New York

## 8595— Milling Machines

See also Sub-Classifications

Adams Co. ("Farwell" Hand), Dubuque, Iowa

American Milling Machine Co. ("American"), Cincinnati, O.

Beaman & Smith Co. (Horizontal, with One or More Spindles), Providence, R. I.

**BECKER MILLING MACHINE CO.** ("Becker" Horizontal Lincoln), Hyde Park, Mass.

Bilton Machine Tool Co. (The), ("Bilton"), (Plain & Horizontal, Bridgeport, Conn.

Brown & Sharpe (Universal, Plain, Hand & Vertical Spindle), Providence, R. I.

Buckeye Tool & Machine Co., New Philadelphia, O.

Burr Jno. T. & Son (Slab Miller), 429 Kent av, Brooklyn, N. Y.

Carter & Hakes Machine Co. (Hand or Power Feed), Winsted, Conn.

Cincinnati Milling Machine Co., Cincinnati, Ohio

Clark-Mesker Co. ("Cleveland"), 1851 Euclid av, Cleveland, Ohio

Cleveland Machine Tool Co., Cleveland, O.

Eccleston Machy Co., For Mining, 162 S Anderson, Los Angeles, Cal.

Espen-Lucas Mach. Wks. (Automobile Axle, Rail End & Slab), Girard av, Phila., Pa.

Foster, Walter H. Co., 50 Church, New York

Garvin Machine Co. (Universal, Plain, Vertical, Hand, Duplex, Double Face & Traverse Head), 147 Varick, New York

Gooley & Edlund ("Briggs-Miller"), Cortland, N. Y.

Harrington Mach. Co. (Undermiller), Erie, Pa.

Hendey Machine Co. ("Hendey" Horizontal, Plain & Universal, etc, Belt Cone & All-Gear Driven, Belt & Motor Driven), Torrington, Conn.

Herbert Alfred Ltd., 54 Dey, New York *See adv index at end of book*

Ingersoll Milling Machine Co. (Heavy, Horizontal & Special Single Purpose), Rockford, Ill.

Kearney & Trecker Co. ("Milwaukee"), West Allis, Milwaukee, Wis.

Kempsmith Mfg. Co. (Plain, Universal & Lincoln Patterns), West Allis, Wis.

Knight W. B. Machinery Co. ("Duplex"), 3920 W Pine blvd, St. Louis, Mo.

Le Blond R. K. Machine Tool Co. (Plain & Universal), Cincinnati, O.

Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York City *See adv index at end of book*

Milled Screw & Machine Co. (Universal Automatic Thread Millers), Sayre, Pa.

Mitta & Merrill (Keyseat), Saginaw, Mich.

National Machine Tool Co., ("National" Key-Seating & Oil Grooving), Cincinnati, O.

Fedrick Tool & Mrch. Co. (Portable), 3642 N Lawrence, Philadelphia, Pa.

Potter & Johnston Machine Co. (Automatic), Pawtucket, R. I.

Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

**Ryerson-Conradson High Power Plain and Universal Milling Machines**

*Write for complete information and prices*

**JOSEPH T. RYERSON & SON**

Chicago St. Louis Detroit Buffalo New York

Sanford F. C. Mfg. Co. ("Sanford" Hex Semi-Automatic), Bridgeport, Conn.

Seegar Machine Tool Co., 34 Forsyth, Atlanta, Ga. *See adv index at end of book.*

Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

Steptal John Co. (Hand & Power Feed), 2951 Colerain av, Cincinnati, O.

Strong, Carlisle & Hammond Co., 336 Frankfort av, N W, Cleveland, O.

Thurston Mfg. Co., "Thurco," (Die), 140 Benedict, Providence, R. I.

Tindel-Morris Co., (Double Head Crank, etc), Eddystone, Pa.

Underwood H. B. & Co. (Portable), 1025 Hamilton, Phila., Pa.

Valley City Machine Works (Plain), Grand Rapids, Mich.

Van Norman Machine Tool Co. ("Van Norman" Duplex, Universal & Bench, also Hand), Springfield, Mass.

Walraven Co., The 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book .*

Warner & Swasey Co. (Valve), 5809 Carnegie av, Cleveland, O.

Wisconsin Miller Mfg. Co., Wilwaukee, Wis.

## 8595a— *Milled Springs

**BARNES THE WALLACE CO.** (Barnes-Made" Milled Springs), 18 Wallace, Bristol, Conn. *See adv index at end of book*

## 8596—Milling Machines (Automatic Index)

Garvin Machine Co., 147 Varick, New York

## 8597—Milling Machines (Bench)

**AMES B. C. CO.** ("Ames"), North Station, Waltham, Mass. *See adv index at end of book*

Bickett Machine & Mfg. Co., Cincinnati, O.

Burke Machine Tool Co., Conneaut, O.

Carter & Hakes Machine Co., Winsted, Conn.

Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.

Hartford Machine Screw Co., Hartford, Conn.

Miller & Crowningshield, Greenfield, Mass.

Pratt & Whitney Co., Hartford, Conn.

Rockford Milling Machine Co., Rockford, Ill.

Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

Stark Tool Co. ("Stark"), Waltham, Mass.

Up-To-Date Tool Co., 81 Wareham, Boston, Mass. *See adv index at end of book.*

Van Norman Machine Tool Co. ("Van Norman"), Springfield, Mass.

Wright-David A., 569 W Washington, Chicago, Ill.

## 8598—Milling Machines (Cam or Form)

Garvin Machine Co., 147 Varick, New York

Rowbottom Machine Co. ("Rowbotom"), Waterbury, Conn.

## 8599—Milling Machines (Combined Horizontal & Vertical)

Lucas Machine Tool Co., 524 E 99th, Cleveland, O.

## 8599a—*Milling Machines (Continuous—Single & Double Spindle)

**BECKER MILLING MACHINE CO.** ("Becker"), Hyde Park, Mass.

## 8600—Milling Machines (Crank Case)

Beaman & Smith Co., Providence, R. I.

Ingersoll Milling Machine Co., Rockford, Ill.

## 8601—Milling Machines (Die)

Harrington Machine Co., Erie, Pa.

Herbert Alfred Ltd., 54 Dey, New York *See adv index at end of book*

Malm & Stahl Tool Works, 561 Washington, Chicago, Ill.

Stierlin Mach. & Die Works, 625 W Jackson blvd, Chicago, Ill.

Thurston Mfg. Co., ("Thurco"), 140 Benedict, Providence, R. I.

Western Die & Stamping Wks., 321 Fulton, Chicago, Ill.

## 8602—Milling Machines (Double Head)

Beaman & Smith Co., Providence, R. I.

Espen-Lucas Machine Works, 21 Girard, av, Phila., Pa.

Garvin Machine Co., 147 Varick, New York

Ingersoll Milling Machine Co., Rockford, Ill.

Newton Machine Tool Works, 23d & Vine, Phila., Pa.

Pratt & Whitney Co., Hartford, Conn.

## Milling Machines (End)

See Planing Machines, Rotary

## 8603—Milling Machines (Hand)

Bristol Mach. Tool Co., ("Bristol"), Bristol, Conn.

Brown & Sharpe Mfg. Co., Providence, R. I.

Carter & Hakes Machine Co., Winsted, Conn.

Fox Machine Co., Jackson, Mich.

Garvin Machine Co., 147 Varick, New York

Pratt & Whitney Co., Hartford, Conn.

Rockford Milling Machine Co., Rockford, Ill.

Standard Engineering Works ("Standard"), Pawtucket, R. I.

Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

Steptoe John Co., 2951 Colerain av, Cincinnati, O.

Van Norman Machine Tool Co., Springfield, Mass.

Whitney Mfg. Co., Hartford, Conn

## 8604—Milling Machines (Lincoln)

**BECKER MILLING MACHINE CO.** ("Becker"), Hyde Park, Mass.

Carter & Hakes Machine Co., Winsted, Conn.

Garvin Machine Co., 147 Varick, New York

Hendey Mach. Co. ("Hendey"), Torrington, Conn.

Kempsmith Mfg. Co., West Allis, Wis.
Pratt & Whitney Co., Hartford, Conn.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

## 8605—Milling Machines (Manufacturing)

Gooley & Edlund ("Briggs Mills") (High Duty), Cortland, New York
Kearney & Trecker ("Milwaukee" for Heavy Duty), West Allis, Milwaukee, Wis.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Van Norman Machine Tool Co. ("Van Norman," Hand), Springfield, Mass.

## 8606—Milling Machines (Nut)

National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Newton Machine Tool Works, 23d & Vine, Phila., Pa.

## 8607—Milling Machines (Plain)

American Milling Mach. Co. ("American"), Cincinnati, O.
Beaman & Smith Co., Providence, R. I.
**BECKER MILLING MACHINE CO.** ("Becker"), Hyde Park, Mass.
*See adv index at end of book*
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, O.
Clark-Mesker Co. ("Cleveland"), 18511 Euclid av, Cleveland, Ohio.
Fox Machine Co., Jackson, Mich.
Garvin Machine Co., 147 Varick, New York
Hendey Mach. Co. ("Hendey" Belt or Motor Driven), Torrington, Conn.
Kearney & Trecker, Milwaukee, Wis.
Kempsmith Mfg. Co., West Allis, Wis.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Oesterlein Machine Co., Cincinnati, O.
Potter & Johnston Machine Co., Pawtucket, R. I.
Rockford Milling Machine Co., Rockford, Ill.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Up-To-Date Tool Co., 81 Wareham, Boston, Mass. *See adv index at end of book*

## 8608—Milling Machines (Planer Type)

Beaman & Smith Co. (Vertical & Horizontal Spindles), Providence, R. I.
Burr John T. & Son (Horizontal & Vertical Spindles), 429 Kent av, Brooklyn, N. Y.
Espen-Lucas Machine Works (Slab Type), 21 Girard av, Phila., Pa.
Ingersoll Milling Machine Co. (Vertical & Horizontal Spindles), Rockford, Ill.
Newton Machine Tool Works (Vertical & Horizontal Spindles), 23d & Vine, Phila., Pa.
Niles-Bement-Pond Co. (Vertical & Horizontal Spindles), 111 Broadway, New York
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

## 8609—Milling Machines (Thread)

Gisholt Machine Co., Madison, Wis.
Gray Machine Tool Co., Inc. ("Gray"), 2649 Main Buffalo, N. Y.
Lees-Bradner Co. ("Lees Bradner"), Cleveland, O.
Pratt & Whitney Co., Hartford, Conn.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Smalley-General Co., Bay City, Mich.
T. C. M. Mfg. Co. (Semi-Automatic), Harrison, N. J.
Taft-Pierce Mfg. Co., Woonsocket, R. I.
**WALTHAM MACHINE WORKS, Waltham, Mass.**

## 8610—Milling Machines (Universal)

American Milling Mach. Co. ("American"), Cincinnati, O.
**BECKER MILLING MACHINE CO.** ("Becker"), Hyde Park, Mass.
*See adv index at end of book*
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, Ohio
Clark-Mesker Co. ("Cleveland"), 18511 Euclid av, Cleveland, Ohio
Garvin Machine Co., 147 Varick, New York
Hendey Machine Co. ("Hendey" Belt or Motor Driven) Torrington, Conn.
Kearney & Trecker, West Allis, Milwaukee, Wis.
Kempsmith Mfg. Co., West Allis, Wis.
Le Blond R. K. Machine Tool Co., Cincinnati, O.
Oesterlein Machine Co., Cincinnati, O.
Potter & Johnston Machine Co., Pawtucket, R. I.
Rockford Milling Machine Co., Rockford, Ill.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
**STARK TOOL CO.** ("Stark," Pinion & Wheel Cutter Combined), Waltham, Mass. *See adv index at end of book*
Van Norman Machine Tool Co. ("Van Norman"), Springfield, Mass.

## 8611—Milling Machines (Valve)

American Tool & Machine Co., 10 High, Boston, Mass.

## 8612—Milling Machines (Vertical)

American Milling Mach. Co. ("American"), Cincinnati, O.
Beaman & Smith Co. (Three Spindle), Providence, R. I.
**BECKER MILLING MACHINE CO.** ("Becker"), Hyde Park, Mass.
Bristol Mach Tool Co., ("Bristol") Bristol, Conn.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Milling Machine Co., Cincinnati, Ohio
Clark-Mesker Co. ("Cleveland"), 18511 Euclid av, Cleveland, O.
Clough R. M., Tolland, Conn.
Garvin Machine Co., 147 Varick, New York
Kearney & Trecker, West Allis, Milwaukee, Wis.
Knight W. B. Machinery Co. ("Duplex"), 3920 W Pine blvd, St. Louis Mo.
Newton Machine Tool Works, 23d & Vine, Phila., Pa.
Potter & Johnston Machine Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
Rockford Milling Machine Co., Rockford, Ill.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

## 8613—Milling Machines (Wood)

Oliver Machine Co., Grand Rapids, Mich.
Piel G. Co., 29 13th, Long Island City, N. Y.

## 8614—Mine Car Caging Machines

Mining Safety Device Co. (Automatic Cager & Nolan Stop), Bowerston, O.

## 8615—Mine Timber Framing Machines

Denver Engineering Works Co. ("Dewco") Denver, Colorado
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

## Mine Ventilating Machinery

See Fans, Mine Ventilating

## 8616— Mining Machinery

See also Mining Machinery, Coal

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Abendroth & Root Mfg. Co., Newburgh, New York *See adv index at end of book*
Albany Iron Works, Albany, Ore.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Arizona & Sonora Mfg. Co. (Sectional), Nogales, Arizona
Ashland Iron Works, Ashland, Oregon
Baker Iron Wks., Los Angeles, Cal.
Barker Samuel G. & Son, Scranton, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Brainard Pulverizer Co., Old Colony bldg, Chicago, Ill.
Caird Engineering Works, Helena, Mont.
Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th, New York
*See adv index at end of book*
Colonial Supply Co. (& Supplies), 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Colorado Iron Works Co., Denver, Colo.
Denver Engng. Works Co., Denver, Colo.
Dobbins Core Drill Co., Inc., 147 W 42d, New York
Dorr Co., 1009 17th, Denver, Colo.
Dubois Iron Works, Dubois, Pa.
Duncan Foundry & Machine Works, Alton, Ill.
Eccleston Machy. Co., 162 S Anderson, Los Angeles, Cal.
Engelbach Machine Mfg. Co., Leadville, Colo.
Farrel Foundry & Machine Co., Ansonia, Conn.
Fulton Engine Works, Los Angeles, Cal.
Galena Foundry & Machine Co., Galena, Kan.
Galena Iron Works Corp., Galena, Ill.
Galigher Machinery Co. (Callow Settling Tanks, Tanks, Traveling Belt Screens), Salt Lake City, Utah
Georgia Iron Works (Phosphate), Augusta, Ga.
Golden State & Miners' Iron Works, 249 1st, San Francisco, Cal.
Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
Great Lakes Engng. Works, Real Estate Exch. bldg, Detroit, Mich.
Hallidie Co., Spokane, Wash.
*See adv index at end of book*
Hammond Mfg. Co., Kamm bldg, Portland, Oregon
Harron, Rickard & McCone (Jobbers), 139 Townsend, San Francisco, Cal.
Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Herzler & Henninger Machine Works, Belleville, Ill.
**INGERSOLL-RAND CO.,** 11 B'way, New York *See adv index at end of book*
Ironton Engine Co., Ironton, O.
Jackson Byron Iron Works, Berkeley, Cal.
**JEFFREY MFG. CO.** (Coal, etc., Electric), 961 N Fourth, Columbus, O.
*See adv index at end of book*
Johnston & Jennings Co., Addison rd. & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
**KENNEDY VAN SAUN MFG. & ENG. CORP., 120 B'way, New York**
*See adv index at end of book*
Lake Shore Engine Works (Sinking & Exploring), Marquette, Mich.
Leynor, Geo. J. Engng. Co., Littleton, Col.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Llewellyn Iron Works, Los Angeles, Cal.
McFarlane-Eggars Machinery Co., Denver, Colo.
Main Iron Works, 16th & Daggett, San Francisco, Cal.
Marion Mach. Fdry. & Supply Co., Marion, Ind.
Mecklenburg Iron Works (Gold, etc), Charlotte, N. C.
Mine & Smelter Supply Co., 42 B'way, New York
Morgan-Gardner Electric Co. (Coal, etc), 27th & Shields av, Chicago, Ill.
Morrow Mfg. Co., Wellston, O.
Northwestern Iron Works, Seattle, Wash.
Oldroyd Mining Machine Co., 621 W Front, Cincinnati, Ohio
Ottumwa Iron Works (Coal, Gold & Silver), Ottumwa, Ia.
Overstrom Mfg. Co., Montgomery, San Francisco, Cal.
Portage Lake Foundry & Machine Co., Hancock, Mich.
Portland Iron Works, 14th & Northrup, Portland, Ore.
Power & Mining Machy. Co., 115 B'way, New York
Prox Frank Co., Terra Haute, Ind.
Puget Sound Iron & Steel Works, Tacoma, Wash.
Rauch Mfg. Co., Galena, Kans.
Rogers Jno. M. Works, Gloucester City, N. J.
Roy & Titcomb, Nogales, Ariz.

MINING MACHINERY—continued

Salt Lake Engineering Works, Salt Lake City, Utah
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Seattle Machine Works, 51 W Lander, Seattle, Wash.
Senn Concentrator Co., 1st Nat'l Bank bldg, San Francisco, Cal.
**SINTERING MACHINERY CORP.**, (for sintering ores), Netcong, Morris Co., N. J. *See adv index at end of book*
Stearns-Roger Mfg. Co., Denver, Colo.
Steiger & Kerr Stove & Foundry Co., Folsom & 18th, San Francisco, Cal.
Sturtevant Mill Co., Clayton & Park, Dor., Boston, Mass.
Sullivan Machinery Co., Peoples Gas bldg, Chicago, Ill.
Suppes Forge & Foundry Co., Johnstown, Pa.
Tamaqua Mfg. Co., Tamaqua, Pa.
Ticonderoga Machine Works, Ticonderoga, N. Y.
**TRAYLOR ENGINEERING & MFG CO.**, Allentown, Pa.
*See adv index at end of book*
Union Iron Works, Spokane, Wash.
United Iron Works, Oakland, Cal.
United Iron Works Inc., Kansas City, Mo.
Vulcan Iron Works, 1849 Kearny, San Francisco, Cal.
Vulcan Iron Works, Wilkes-Barre, Pa.
Vulcan Mfg. Co., 1200 4th av, So Seattle, Wash.
Walker Mfg. Co., Denver, Colo.
Webb City & Carterville Foundry & Machine Works, Webb City, Mo.
Wellman-Seaver-Morgan Co. (Miscellaneous), Cleveland, O.
*See adv index at end of book*
Western Iron Works, Butte, Mont.
Whitcomb Geo. D. Co., Rochelle, Ill.
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 8617-8—Mining Machinery (Coal)

See also Mining Machines; also Coal Cutting Machines

Allis-Chalmers Mfg. Co., Milwaukee, Wis
Eagle Iron Works, Des Moines, Ia.
Ellison Wm. & Son Mfg. Co., St. Louis, Mo.
Exeter Machine Works, Pittston, Pa.
Finch Mfg. Co., Scranton, Pa.
Goodman Mfg. Co. (Electric), Halsted & 48th pl, Chicago, Ill.
Grant Iron Works (Mine & Breaker Machinery), Mahoney City, Pa.
Green L. A. (Dealer), First National Bank bldg, Pittsburgh, Pa.
Herzler & Henninger Machine Works, Belleville, Ill.
**INGERSOLL-RAND CO.**, 11 B'way, New York *See adv index at end of book*
Jackson & Church Co., Saginaw, Mich.
**JEFFREY MFG. CO.** (Complete Equipment), 961 N Fourth, Columbus, O.
*See adv index at end of book*
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Mauch Chunk Iron Works, Mauch Chunk, Pa.
Mead-Morrison Mfg. Co., c Prescott & Orleans, East Boston, Mass.
Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.
Mineral Ridge Mfg. Co., Mineral Ridge, O.
Morgan-Gardner Electric Co. (Electric), 27th & Shields av, Chicago, Ill.
Mount Carmel Iron Works, Mount Carmel, Pa.
Oldroyd Mining Machine Co., 621 W Front, Cincinnati, Ohio
Ottumwa Iron Works, Ottumwa, Ia.
Pittsburgh Coal Washer Co., Fulton bldg, Pittsburgh, Pa.
Prox Frank Co., Terre Haute, Ind.
Sanford-Day Iron Works, Knoxville, Tenn.
Savage W. J. Co., Knoxville, Tenn.
Tamaqua Mfg. Co., Tamaqua, Pa.
United Iron Works, Inc., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 8619—Mining Machinery (Hydraulic)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.

## 8620—Mining Machines (Chain)

See also Coal Cutting Machines

Goodman Mfg. Co., Halsted & 48th pl, Chicago, Ill.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O.
*See adv index at end of book*
Morgan-Gardner Electric Co., 27th & Shields av, Chicago, Ill.

## 8621-2—Mining & Crushing Machinery (Portable)

Abbe Engineering Co., 216-224 B'way New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O.
*See adv index at end of book*

## 8623—Mitre Blanking Machines

Canton Foundry & Machine Co. ("Universal"), Canton, O.

## 8624—Mitre Cutting Machines

Braun J. G., 609 S Paulina, Chicago, Ill.
Loy & Nawrath Co. (For Metal), 25 Runyon, Newark, N. J.

## 8625—Mitre Sawing & Clamping Machines

Duplex Moulding Sander Co. ("Duplex"), Hornell, N. Y.

## 8626— Mitreing Machines

American Woodworking Machinery Co., Rochester, N. Y.
Beach Mfg. Co., Montrose, Pa.
Braun J. G., 609 S Paulina, Chicago, Ill.
Fay J. A. & Egan Co., Cincinnati, O.
**Fox Machine Co., Jackson, Mich.**
Jones Superior Machine Co. (For Wood), 1264 W North av, Chicago, Ill.
Maddox Machine Co. ("Maddox" Double Mitre Saw), Jamestown, N. Y.
Smith H. B. Machine Co., Smithville, N. J.
Triumph Mfg. Co. ("Powers" Mitreing & Cutting Machines for Printers), 500 Delaware, Kansas City, Mo.
Walter's Wm. P. Sons (And Vise Combined), 1233 Market, Phila., Pa.

## 8627—Mitering Machines (Paper, Cloth & Leather)

Knowlton M. D. Co. (Also Cardboard), 26 Elizabeth, Rochester, N. Y.

## 8627a— Mixing Machinery

See also Specific Kind Required; also Mixers, Various Kinds

**DUNNING & BOSCHERT PRESS CO., INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*

## 8628—Mixing Machines (Coffee & Tea)

Dunning & Boschert Press Co. (Inc.), 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

## 8629—Mixing Machines (Glue)

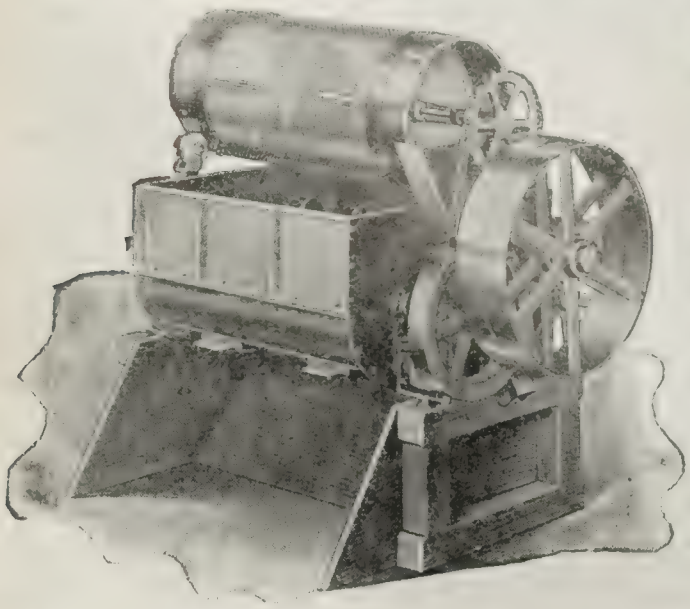
Challoner Co. (Vegetable Glue), Oshkosh, Wis.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 8630—Moistening Machines (Paper Cloth, Leather, Etc.)

Crowell Corp., 241 37th, Brooklyn, N. Y.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Papco Paper Products Co. (Tapes), Atlanta, Ga.

## 8631—Molasses Filling Machines

Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

# MIXERS

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For Wall Plaster, Core and Facing Sand, Soap Powder, Composition Flooring and many other kinds of materials requiring mixing.

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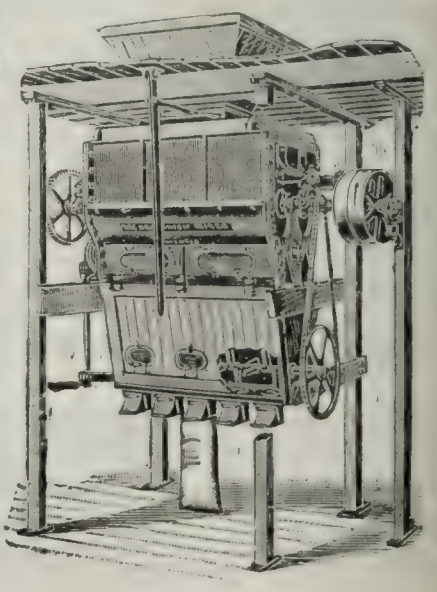

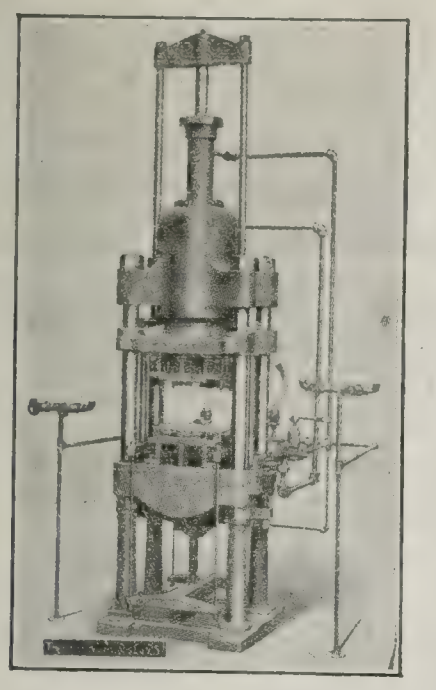

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**With Mould, Headers and Valves**

**The Charles Burroughs Co.**
Newark, N. J. U. S. A.

## 8631a— Molding Machines

Bryan Pattern & Mach. Co., Bryan, O.
**BURROUGHS CHARLES COMPANY** (For Making Bakelite, Celluloid, Conolensite & Shellac Products & Electric Insulation Products), Newark, N. J. *See adv index at end of book*
Champion Foundry Machy. Co., 2419 W 14th, Chicago, Ill.
Dopp J. W. (Dealer), 18 W Columbia, Detroit, Mich.
Hanna Engineering Wks. ("Mumford"), 1764 Elston av, Chicago, Ill.
Nicholls Wm. H., Inc., 2 College pl, Brooklyn, N. Y. *See adv index at end of book*

**Molding Machines**
for
production and speed
aluminum plates and patterns
**Wm. H. Nicholls Co., Inc.**
2 College Place Brooklyn, N. Y.
*Branch: DETROIT, MICH.*

Osborn Mfg. Co. ("Osborn," Plain, Core, Rollover Stripper & Squeezer), 5401 E Hamilton, Cleveland, O.
*See adv index at end of book*

## 8632—Molding Machines (Foundry)

Adams Co. ("Farwell," Universal Automatic & Multiple), Dubuque, Ia.
American Foundry Equipment Co., 52 Vanderbilt av, New York
Am. Molding Machine Co., Terre Haute, Ind.
Arcade Mfg. Co. ("Modern," for Small Castings; also "Norcross," Jolt Ramming Machines), Freeport, Ill.
B & B Mfg. Co. ("B & B" Hand Jar & Squeezer), Indianapolis, Ind.
**Berkshire Mfg. Co. ("Universal," "Berkshire" Automatic Air Squeezer & Hand Squeezer)**, Whitney Power blk, Cleveland, O.
Bridgeport Die & Machine Co. ("Bridgeport"), Bridgeport, Conn.
Buch Foundry Equipment Co. (Jar Squeeze, Roll-over & Pattern Draw), Bridgeport, Pa.
Buch's A. Sons Co. (Gravity Moulder & "Parks" Portable Jar & Squeezer), Elizabethtown, Pa.
Cooper H. W. Saddlery Hdw. Mfg. Co. (Moline Squeezer), Moline, Ill.
Davenport Mach. & Fdry. Co. (Joits & Squeezers), Davenport, Ia.
Dayton Molding Machine Co. ("Mumford") Dayton, Ohio
Delano E. A. Co. (For Pulley Molding, etc), 1401 W North, Chicago, Ill.
Demmler Wm. & Bro. ("Kewanee," Jarring Type), Kewanee, Ill.
Elmira Foundry Co. ("Gow"), Elmira, N. Y.
Federal Malleable Co. ("Rapid"), West Allis, Wis.
Foundry Equipment Co., 1833 Columbus rd, Cleveland, O.
Freeman Mfg. Co. ("Dearsley"), Racine, Wis.
Harriman Mfg. Co. (Gravity Molder), Harriman, Tenn.
Herman Pneumatic Machine Co. ("Herman," Jarring), Zelienople, Pa.
International Molding Machine Co. ("International"), 614 W 16th, Chicago, Ill.
Midland Machine Co. ("Grimes" Roll-Over), 1218 Hastings, Detroit, Mich.
Mumford E. H. Co., Elizabeth, N. J.
Mumford Molding Machine Co., 1765 Elston, Chicago, Ill.
Newman Machine Co. (Heavy 7 to 14 inch), Greenboro, N. C.
**NICHOLLS WM. H. CO., INC.**, 2 College pl, Brooklyn, N. Y.
*See adv index at end of book*
Osborn Mfg. Co. ("Osborn" Core, Roll Over Hand & Power, Squeezer Power, Stripping Plate, Hand & Power), 5401 E. Hamilton, Cleveland, Ohio
*See adv index at end of book*
Phenix Iron Works (Pulley), Winona, Minn.
Pridmore Henry E., 1901 S Rockwell, Chicago, Ill.
Reynolds James Mfg. Co., New Haven, Conn.
Syracuse Malleable Iron Works ("Burns Economic"), Syracuse, N. Y.
Tabor Mfg. Co., 18th & Hamilton, Phila., Pa.
Turner Machine Co. (For Brass & Iron), 3632 N Lawrence, Phila., Pa.
U. S. Molding Machine Co., 968 E 69th, Cleveland, O.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

## 8633—Molding Sander Machines

**Austin & Eddy ("Pioneer"), 117 Broad, Boston, Mass.**
**Duplex Moulding Sander Co. ("Duplex"), Hornell, N. Y.**
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*

## 8634—Mop Making Machines

Saunders & Co. (Automatic), 1700 B'klyn av, Kansas City, Mo.

## Mortar Mixing Machinery

See Mixing Machinery

## Mortising Machines

Mortising Machines are Classified Under the Kind Descriptive Thereof

## 8635—Mosaic Cutting Machinery

Patch F. R. Mfg. Co., Rutland, Vt.

## 8636—Mosaic & Tile Floor Polishing Machines

Herr John Mfg. Co., 44 N 4th, Phila., Pa.
Patch F. R. Mfg. Co., Rutland, Vt.

## 8637—Motor Fly Wheel Balancing Machinery

Defiance Machine Works, Defiance, O.

## Moulding Machines

See Molding Machines

## 8638—Moving Picture Film Machines

Atlas Educational Film Co., 63 E Adams, Chicago, Ill.
Beck Chas. Machine Co., 607 Chestnut, Phila, Pa. *See adv index at end of book*
Nicholas Power Co., 90 Gold, New York
Schneider Erberhard, 219 2nd av, New York

## 8639—Moving Picture Machines

Amusement Supply Co., 5 S Wabash, Chicago, Ill.
Baird Motion Picture Machine Co., 24 E 23d, New York
Bell & Howell Co. (Film Printing & Film Perforating Machines), 1801 Larchmont av, Chicago, Ill.
Bosworth, De Frenes & Felton (For Advertising, etc), Wilkes-Barre, Pa.
Gennert G., 24 E 13th, New York
Graphoscope Development Co. ("Graphoscope"), 49 Mechanic, Newark, N. J.
Imperial Elec. Co., Union City, Ind.
Kinockon Apparatus Corp., Bridgeton, N. J.
Kleine Optical Co., 207 S Wabash av, Chicago, Ill.
National Moving Picture Co. ("Monarch"), 537 S Dearborn, Chicago, Ill.
Nicholas Power Co., 90 Gold, New York
Optigraph Co., 2302 W Madison, Chicago, Ill.
Power Nicholas Co. (Powers Cameragraph), 90 Gold, New York
Precision Machine Co. (Motor Driven), 317 E 34th, New York
**Schneider Eberhard, 219 2nd av, New York**
Selig Polyscope Co. ("Polyscope"), 3901 Western av, Chicago, Ill.
Stout Machine Co., Rockford, Ill.
Victor Animatograph Co., Davenport, Iowa

## 8640—Muscle Testing & Lifting Machines

Mills Novelty Co., 221 S Green, Chicago, Ill.

## 8641—Mustard Seed Cleaning Machines

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

## 8642—Nail Keg Stave Machinery

Lenker Frank K. & Co. (Sawing, Jointing, Crozing, Cut-Off, Bolting, etc.), Millersburg, Pa.

## 8643-4—Nail Mill Machinery

Cleveland Machine & Mfg. Co., 4944 Hamilton av, Cleveland, O.
**Glader Wm. ("Glader" Wire Nail), 210 N Ann, Chicago, Ill.**
**Kimball Bros. & Sprague (Shoe), Brockton, Mass.**
**Miller's H. J. Sons ("Perkins Pattern" Wire), Bridgewater, Mass.**
**National Machinery Co. (Wire), Tiffin, O.**
**Perkins Henry Co. (Wire), Bridgewater, Mass.**
**SLEEPER & HARTLEY (INC.),** (Wire Nail & Nail Die Grinding, Wire Reels, etc), 335 Chandler, Worcester, Mass.
*See adv index at end of book*
Vaughn Machinery Co. (Wire Nail, Mill, etc), Cuyahoga Falls, O.
*See adv index at end of book*
**Walton & Macke Nail Co. (Wire), Kokomo, Ind.**

## Nail Pulling Machines

See Pullers, Nail

## Nailing Machines

See Box Nailing Machines; also Hoop Nailing Machines

## 8645-6-7—Neck Yoke & Singletree Machinery

**Ober Mfg. Co., Chagrin Falls, O.**
**Trevor Mfg. Co., Lockport, N. Y.**

## 8648—Nibber & Trimming Machines (Combined)

**Rock River Machine Co., Janesville, Wis.**
Ryerson Jos. T. & Son (For Spring Shop Work), 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

## 8648a—Nickel Silver Rolling Mill Machinery

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

## 8649—Nipple Cutting Machines

**Bignall & Keeler Machine Works ("B & K"), Edwardsville, Ill.**
**Landis Machine Co., Waynesboro, Pa.**
**Williams Tool Co., Erie, Pa.**

## 8650—Nipple Threading Machines

**Bignall & Keeler Machine Works ("B & K"), Edwardsville, Ill.**
**Landis Machine Co., Waynesboro, Pa.**
Murchey Machine & Tool Co. ("Murchey," Automatic), 85 Porter, Detroit, Mich.
Oster Mfg. Co., 2057 E 61st pl, Cleveland, Ohio

## 8651—Nitrating Centrifugal Machines

Watson Machine Co., Paterson, N. J.

## Noodle Machinery

See Macaroni Machinery

## 8652— Notching Machines

**AMERICAN CAN CO. (Machinery Dept.), Monroe bldg, Chicago, Ill.**
*See adv index at end of book*
**BLISS E. W. CO.** (Armature), 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Hilles & Jones Co. (Splice Bar), E Wilmington, Del. *See adv index at end of book*
Leffler Chas. & Co. (Also Bench Notching Machinery for Pierced Tin Ware, Can Boxes, etc), 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
Long & Allstatter Co. (Disc Armature), Hamilton, O.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
**Rock River Machine Co., Janesville, Wis.**

## 8653—Nougat Cutting Machines

**Rittenhouse Frank, Norristown, Pa.**

## 8654— Numbering Machines

**American Numbering Machine Co., 224 Shepherd, Brooklyn, N. Y.**
Am. Perforator Co. (Perforators), 621 W Jackson blvd, Chicago, Ill.
**Bates Mfg. Co. ("Bates" & "Wizard" Automatic Hand), 50 Church, New York**
**Cushman & Denison Mfg. Co. ("Reliance") 240 W 23d, New York**
Dickey-Grabler Works, W Madison & 103d, Cleveland, O.
Dill Mfg. Co., 686 E 82d, Cleveland, O.
Force W. A. & Co., 535 Pearl, New York
**Haynes & Co., 75 Westminster, Providence, R. I.**
Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.
**Hickok W. O. Mfg. Co., Harrisburg, Pa.**
**Kastens Henry, 418 W 27th, New York**
Koch Gustav & Co., 120 S Clark, Chicago, Ill.
Matthews Jas. H. Co. (Automatic), 3942 Forbes, Pittsburgh, Pa.
**Meyer & Wenthe, 108 N Dearborn, Chicago, Ill.**
Premier Machinery Co., Oakland, Cal.
**Roberts Numbering Machine Co. ("Bates," Automatic), 706 Jamaica av, Brooklyn, N. Y.**
**Smith R. H. Mfg. Co., Springfield, Mass.**
**Spencer S. M. Mfg. Co. (Also for Case Marking), 9 Cornhill, Boston, Mass.**
**Stewart R. A. & Co. ("Premier"), 201 B'way, New York**
Swisher R. D. Mfg. Co., 415 S Clinton, Chicago, Ill. *See adv index at end of book*
Time & Enery Co., 9 S Clinton, Chicago, Ill.
Traut & Hine Mfg. Co. ("Climax"), New Britain, Conn.
**Wetter Numbering Machine Co., 255 Classon av, Brooklyn, N. Y.**

## 8655—Numbering & Paging Machines

**Hickok W. O. Mfg. Co., Harrisburg, Pa.**
**Hoole Machine & Engraving Works, 29 Prospect, Brooklyn, N. Y.**
Latham Machinery Co. ("Monitor"), 1153 **Fulton, Chicago, Ill.**
**Sheridan T. W. & C. B. Co., 434 Broadway, New York**

## 8656—Nut Blanking Machines

**Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.**

## 8657—Nut Burring Machines

**National Machinery Co., Tiffin, O.**

## 8658— Nut Facing Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
**National Machinery Co., Tiffin, O.**
Newton Machine Tool Works, 23d & Vine, Phila., Pa.
Victor Tool Co. ("Victor"), Waynesboro, **Pa.**

## 8659—Nut Finishing Machines

Pawtucket Mfg. Co., Pawtucket, R. I.

## Nut Machinery

See Bolt & Nut Machinery

## 8660—Nut Machines (Hot Pressed)

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
**National Machinery Co., Tiffin, O.**

## 8661—Nut Tapping Machines

Acme Machinery Co. (Automatic), 4533 St. Clair av, Cleveland, O.
Automatic Machine Co. ("Coulter" Horizontal), Bridgeport, Conn.
**Brown H. B. Co., East Hampton, Conn.**
**Ellers H. P. Mfg. Co., Cleveland, O.**
**Howard Iron Works, Buffalo, N. Y.**


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Landis Machine Co., Waynesboro, Pa.
National-Acme Co., 7500 Stanton av, S. E., Cleveland, O.
National Machinery Co. (Semi-Automatic & Automatic), Tiffin, O.
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., (2, 3, 4, 6 & 9 Spindles), Pawtucket, R. I.
San Francisco Engng. Co., 322 6th, San Francisco, Cal.
Simmons Machine Co. (Inc.), ("Simmons" openside), 987 B'way, Albany, N. Y.
Universal Machine Co., Bowling Green, O.
Webster & Perks Tool Co., Springfield, O.

## 8662—Nut Tapping Machines (Multiple Spindle)

Acme Machinery Co., 4533 St. Clair av. Cleveland, O.
National-Acme Co., 7500 Stanton av, S E, Cleveland, O.
Pawtucket Mfg. Co., Pawtucket, R. I.

## 8663—Oat Clipping Machines

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

## 8664—Oat Groats Machinery

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

## 8665— Oat Machinery

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Cleaners, Separators, Clippers & Extractors), Silver Creek, N. Y.

## 8666— Oat Meal Machinery

Invincible Grain Cleaner Co. (Cleaning, Grading & Packing), Silver Creek, N.Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sprout, Waldron & Co. (Hullers), Muncy, Pa.

## 8667—Oil Cake Packing Machines

French Oil Mill Machinery Co., Piqua, O.

## 8668—Oil Cake Trimming Machines

French Oil Mill Machinery Co., Piqua, O.

## 8669— Oil Chilling Machines

Moore Sam'l L. & Sons, Elizabeth, N. J.

## 8670— Oil Cloth Machinery

Currier Cyrus & Sons, 365 Market, Newark, N. J.
Dienelt & Eisenhardt, 1304 N Howard, Phila., Pa.
Moore & White Co. (Oil Cloth Printing Machines), N 15th & Lehigh av, Phila., Pa.
Rich J. & G., 120 N 6th, Phila., Pa.
Waldron Jno. Co., New Brunswick, N .J.

## 8671— Oil Mill Machinery

See also Cottonseed Oil Machinery

American Machine & Mfg. Co. (Copra, Corosa Nuts, Peanuts, Rape Seed, Sesame Seed & Sun Flower Seed), Atlanta, Ga.
Atlanta Utility Works, East Point, Ga.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Buckeye Iron & Brass Works, Dayton, O.
Burruss Engineering Co., Atlanta, Ga.
Callahan W. P. & Co., Dayton, O.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
French Oil Mill Machinery Co., (Oil Cake Trimming & Packing), Piqua, O.
**HYDRAULIC PRESS MFG. CO.** (Hydraulic Presses), Mt. Gilead, Ohio
*See adv index at end of book*
Jeffrey Mfg. Co. (Package Handling Machines for Department Stores, Factories, etc), 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Lombard Iron Works & Supply Co., Augusta, Ga.
Murray Co., Dallas, Tex.
Platt Iron Works Co. (Cotton, Linseed, etc). Dayton, O.
Sprout Waldron & Co., Muncy, Pa.

## Oil Well Machinery

See Well Drilling Machinery

## 8672-3—Oil Well Pulling Machines

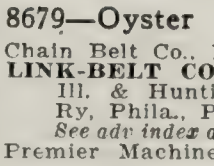
Buckeye Traction Ditcher Co. (Pulling & Cleaning), Findlay, Ohio
Herron R. H. Co., 934 N Alameda, Los Angeles, Cal.
National Supply Co., Union B'k bldg., Pittsburgh, Pa.

## 8674—Oil & Waste Saving Machines

**D'Oller Centrifugal Pump & Machine Co.,** 1421 Chestnut, Phila., Pa.
**OIL & WASTE SAVING MACHINE CO.,** Real Estate Trust bldg, Phila., Pa.
*See adv index at end of book*

**Oil & Waste Saving Machine Co.**
**PHILADELPHIA, PA.**
Oil Reclaiming Machines
Waste Reclaiming Machines
Chip Separators, Oil Filters

## 8674a—*Oil & Waste Saving Machines (Presses)



**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

## 8675—Oleo & Lard Rendering Machinery

Brecht Co., 1201 Cass av, St. Louis, Mo.

## Opticians' Machines

See Jewelers' & Opticians' Machines & Tool

## Ore Briquetting Machinery

See Briquetting Machinery

## Ore Concentrating Machines

See Concentrators, Ore

## Ore Handling Machinery

See Coal & Ore Handling Machinery

## 8676—Ore Milling Machinery

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Colorado Iron Works Co., Denver, Colo.
James Ore Concentrator Co., 35 Runyon, Newark, N. J.

## 8677—Ore Reduction Machinery

**ABBE ENGINEERING CO.** 216-224 B'way, New York
*See adv index at end of book*
Arzinger W. O. Machy. Co., Nashville, Tenn.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 8678—Ore Washing Machinery

**Allis-Chalmers Mfg. Co., Milwaukee, Wis.**
Davis Foundry & Machine Works, Rome, Ga.
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
McLanahan-Stone Mach. Co., Hollidaysburg, Pa.
Mine & Smelter Supply Co., 42 B'way. New York
Rome Machine & Foundry Co., Rome, Ga.
Tamaqua Mfg. Co., Tamaqua, Pa.

## 8679—Oyster Canners' Machinery

Chain Belt Co., Milwaukee, Wis.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Premier Machinery Co., Oakland, Cal.
Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 8680—Oyster Cultivating Machinery

Automatic Machine Co., Bridgeport, Conn.

## 8681—Package Handling Machines For Department Stores, Factories, Etc.

Chain Belt Co., Milwaukee, Wis.
Jeffrey Mfg. Co., 961 N 4th Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*

## 8682—Package Heading-Up Machines

Glader Wm. ("Glader" 10 to 30 Gallons), 210 N Ann, Chicago, Ill.

## 8683-4—Package Sealing & Labeling Machines

Eisler Anthony & Co. ("Jiffy" Sealing), 227 Canal, New York
Peters Machinery Co., 209 So. La Salle, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Standard Automatic Machine Co., Rochester, N. Y.

## 8685—*Packers' Can Making Machinery

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 8686—Packing House Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Allbright-Nell Co., 5315 Western av, Chicago, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Dayton Beater & Hoist Co., Dayton, O.
*See adv index at end of book*
Flynn & Emrich Co. (Ham Cookers), 305 N Holliday, Baltimore, Md.
Furman-Fisher Corp., 32 Church, New York
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th Columbus, O.
*See adv index at end of book*
Joslin-Schmidt Co. (For Working up **Waste Products), 3223 Spring Grove** av, Cincinnati, O.
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
*See adv index at end of book*
**LINK-BELT CO.** ("Link Belt"), 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Mechanical Mfg. Co., Union Stock Yards, Chicago, Ill.
**Murray Iron Works Co., Burlington, Ia.**
**PERRIN WM. R. & CO.,** 37 W Van Buren, Chicago, Ill.
Redfield Robert S., 327 S La Salle, Chicago, Ill.
**VULCAN IRON WORKS, INC.,** Hudson & Essex, Jersey City, N. J.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.

## 8687— Packing Machines

See also Bag Filling Machines

Allis-Chalmers Mfg. Co. (Bran, Flour, etc), Milwaukee, Wis.
American Machine & Foundry Co., 5520 2d av, Brooklyn, N. Y.
Barnard & Leas Mfg. Co. (Sugar, Flour, Bran, Cement, etc), Moline, Ill.
**Brown A. & F. Co. (Sugar Barrel Filling), 79 Barclay, New York.**
Campbell P. F. ("Richmond" Flour), 51 Laurel, Phila., Pa.
Cardwell Mach. Co. (Tobacco), 1900 E Cary, Richmond, Va.
Hersey Mfg. Co. (Sugar), 314 W 2nd, Boston, Mass.
Howes S. Co. (Cement), Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor," for Flour, Bran, Feed, Cotton Hulls, Cement, Lime, Paint & All Pulverized Minerals), Silver Creek, N. Y.

PACKING MACHINES—continued

Invincible Grain Cleaner Co. ("Invincible" Cement, Flour, Bran, Corn Meal, Alfalfa, Lime, etc), Silver Creek, N. Y.
Modern Bag Co. (Cement, Plaster, etc), East Orange, N. J.
Nordyke & Marmon Co. (Bran, Flour, Sack, etc), Kentucky av & Morris, Indianapolis, Ind.
Peters Machinery Co., 209 So. La Salle, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.
Richardson Scale Co. (Combined Scale Packers for Flour, Bran, Beet Pulp & Other Feeds), Passaic, N. J.
Ross Chas. & Son Co. (Barrel, etc), 148 Classon av, Brooklyn, N. Y.
Sprout, Waldron & Co. (For Flour, Bran, Feed, etc), Muncy, Pa.
Unit Weighing & Packing System (for Baking Powder, Tea, Coffee, Cereals, etc), Scott & McHenry, Baltimore, Md.
United Iron Wks. Inc. (Cement), Kansas City, Mo.
Valve Bag Co. of America (Bag Filling, Lime), 3431 Summit av, Toledo, O. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.

## 8688—Packing Machines (Cottonseed & Linseed Cake)

French Oil Mill Machinery Co., Piqua, O.

## 8689—Pail Handle Machines

Gerlach Peter Co., 1712 Winter, Cleveland, O.
Goodspeed Machine Co., Winchendon, Mass.
Kline Lewis T., Alpena, Mich.

## Pail Machinery

See Tub & Pail Machinery

## 8690—*Paint Can Machinery

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8691-2—Paint Grinding & Mixing Machinery

See also Mills, Grinding; also Machinery, Pulverizing

Abbe Engineering Co., 216-224 B'way, New York. *See adv index at end of book*
Abbe Paul O. (Paint & Color), 30 Broad, New York
Acton John, 118 John, Brooklyn, N. Y.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BARTLETT C. O. & SNOW CO.**, Fall, Cleveland, O. *See adv index at end of book*
Bay Gottfried, 537 W 50th, New York
Campbell P. F., 51 Laurel, Phila., Pa.
Day J. H. Co., Cincinnati, O.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Gaston's N. B. Sons Co. (Grinding), Beloit, Wis.
Holmes & Blanchard Co., 31 State, Boston, Mass.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Manitowoc Engineering Works, Manitowoc, Wis.
Nebel M. A., 72 Grand av, Brooklyn, N. Y.
Patterson Fdry. & Mach. Co., E. Liverpool, Ohio
Poole Engng. & Mach. Co., Woodberry sta, Baltimore, Md.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
Union Engineering Co., Cuyahoga and W. 4th, Cleveland, O.
Waterville Fdry. & Mfg. Co., Waterville, N. Y.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 8693—Paint & White Wash Spraying Machines

See also Pneumatic Painting Machine

Albert Lea Sprayer Co., Albert Lea, Minn.
Bean Spray Pump Co. (White Wash Only), San Jose, Cal.
Bradsto Appliances Inc. ("Stowe," "Bupresco"), 65 Main, Buffalo, N. Y.
Brown E. C. Co. ("Auto-Spray"), Rochester, N. Y.
**DEMING CO.** ("Century," "Major," Multispra" Whitewashing), Salem, *See adv index at end of book*
De Vilbiss Mfg. Co. ("Aeron" System Pneumatic), Toledo, O.
Eclipse Air Brush Co., 79 Orange, Newark, N. J.
**FOX M. EWING CO.**, 241 E 136th, New York *See adv index at end of book*
Gustin-Bacon Mfg. Co., Kansas City, Mo.
Hardie Mfg. Co. (Pneumatic), Hudson, Mich.
Koenigkramer F. & F. ("Paragon"), 1914 Western av, Cincinnati, O.
Lederer F. J. Co., 66 Forest av, Buffalo, N. Y.
MacLeod Co. ("Buckeye"), 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Muralo Company ("Cyclo"), Rich. Ter., New Brighton, Borough of Richmond, N. Y.
**MYERS F. E. & BRO.** ("Myers," "Century," "Handy," "Hydraulic," "Duplex" Handle Automatic, 900 Fourth, Ashland, O. *See adv index at end of book*
Patton Paint Co., Milwaukee, Wis.
**SPRAY ENGINEERING CO.** ("Spraco" Paint Gun), 93 Federal, Boston, Mass. *See adv index at end of book*

"SPRACO"
Shell - Coating Equipment for coating shells, auto parts, etc.
SPRAY ENGINEERING CO.
93 Federal St., BOSTON, MASS.


**STAR BRASS WORKS** ("Binks Star"), 3129 Carrol av, Chicago, Ill. *See adv index at end of book*
Star Pointer Pump Mfg. Co., Menasha, Wis.
Vortex Mfg. Co. ("Vortex"), W 77th, Cleveland, Ohio

## 8694—Pamphlet Stitching Machines

See also Wire Stitching Machines

Brown R. H. & Co., New Haven, Conn.
Rosback F. F. Co., Benton Harbor, Mich.

## 8695-6—Pan Cleaning & Greasing Machines

Gottschalk & Co. ("Standard," for Bakers) Reedsville, Pa.
Maag August Co., 509 W. Lombard, Baltimore, Md.

## 8697—Panel Raising Machines

Amer. Woodworking Machy. Co., Rochester, N. Y.
Cordesman Rechtin Co., Butler, Cincinnati, O.
Falls Machine Co., Sheboygan Falls, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo. *See adv index at end of book*
Heath W. A. Machine Co., Lestershire, N. Y.
Smith & Phillips Mfg. Co., 1008 W Madison, Chicago, Ill.

## 8698—Pantograph Machines

Hope John & Sons Engraving & Mfg. Co., 1 Mashapaug, Providence, R. I.
Keller Mechanical Engraving Co., 70 Washington, Brooklyn, N. Y.

## 8699-700—Paper Bag Machinery

Brown Bag Filling Machine Co. (Making, also for Filling & Sealing Flat Paper Bags), Fitchburg, Mass.
Bond Bros. (Carton), Ednor, Md.
Fischer Machine Co., 310 N 11th, Phila., Pa.
Fuller-Saxton Co., Drexel bldg, Phila., Pa.
Lockport Machine Co. (Flat & Square), Lockport, N. Y.
Paper Working Machines Co., av U, Brooklyn, N. Y.
Potdevin Machine Co., 1221 38th, Brooklyn, N. Y.
Schmidt F. L. Co., 11th av & 21st, New York
Smith & Winchester Mfg. Co. (Cement, Flour, etc), South Windham, Conn.
South Bend Paper Co., South Bend, Ind.

## 8701—Paper Board Printing Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## 8702—Paper Bottle Cap Machinery

Swift Geo. W. Jr., Bordentown, N. J.

## 8703—Paper Box, Corner Cutting Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila, Pa. *See adv index at end of book*
Hobbs Mfg. Co., Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

## 8704—Paper Box Corner Staying Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hobbs Mfg. Co., Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

## 8705—Paper Box Covering Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Hobbs Mfg. Co., Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
New Jersey Machine Corp, Hoboken, N. J.
Stokes & Smith Co., Summerdale Sta., Phila., Pa.

## 8706—Paper Box Cutting & Scoring Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Herrick & Cowell (Rotary), New Haven, Conn.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Latham Machinery Co. ("Monitor") 1153 Fulton, Chicago, Ill.

## 8707—Paper Box Edging Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Hobbs Mfg. Co., Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.

## 8708—Paper Box Ending Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Hobbs Mfg. Co., Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

## 8709—Paper Box Folding & Glueing Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Herrick & Cowell (Hand Fed), New Haven, Conn.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
New Jersey Machine Corp, Hoboken, N. J.
Peters Machinery Co., 209 S La Salle, Chicago, Ill. *See adv index at end of book*
Standard Automatic Machine Co., Rochester, N. Y.

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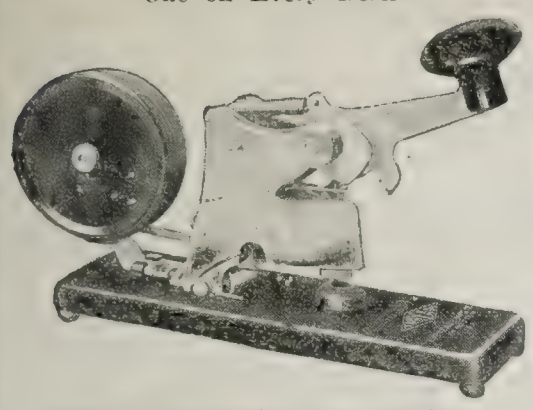

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**Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.**
New Jersey Machine Corp, Hoboken, N. J.
Peters Machinery Co., 209 S La Salle, Chicago, Ill.

## 8711—Paper Box Gumming Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
**Hobbs Mfg. Co., Worcester, Mass.**
**Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.**

## 8712—Paper Box Machinery

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*

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607 Chestnut St. Philadelphia

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**Griswold Geo. M. Machine Co., New Haven, Conn.**
Herrick & Cowell, New Haven, Conn.
**Hobbs Mfg. Co. (Folding Machines), Worcester, Mass.**
Inman Mfg. Co., Amsterdam, N. Y.
Jacques John & Son, Worcester, Mass.
Kingsbury & Davis Machine Co. ("Standard" Automatic Double End Setting), Contoocook, N. H.
**Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.**
Langston Samuel M. Co., Camden, N. J.
Latham Machinery Co., 1153 Fulton, Chicago, Ill.
Marshall Son & Co. (Guage Table Shears, etc), 226 Purchase, Boston, Mass.
National Metal Edge Box Co., 1217 Callowhill, Phila., Pa.
New Jersey Machine Corp, Hoboken, N. J.
Rau Emanuel (Embossing), 30 Church, New York.
Robinson John T. Co., Hyde Park, Mass.
**Saranac Machine Co. ("Advance" Stapling Machines), Benton Harbor, Mich.**
Sheridan T. W. & C. B. Co., 434 B'way, New York
Standard Automatic Machine Co., Rochester, N. Y.
Staude E. G. Mfg. Co., St. Paul, Minn.
Stokes & Smith Co., Summerdale Sta, Phila., Pa.
**Swift Geo. W. Jr., Bordentown, N. J.**

## 8713—Paper Box Printing Machines

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
**Kidder Press Co. (For Cartons), Dover, N. H.**

## 8714—Paper Box Sealing Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
New Jersey Machine Corp, Hoboken, N. J.
Standard Automatic Machine Co. (Cigarette & Cartridge Boxes Only), Rochester, N. Y.
Union Engineering Co., Cuyahoga & W 4th, Cleveland, O.

## 8715—Paper Box Thumbhole Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Knowlton M. D. Co., 26 Elizabeth, Rachester, N. Y.

## 8716—Paper Box Topping Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Hobbs Mfg. Co., Worcester, Mass.
**Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.**

## 8717—Paper Box Wire Stitching Machines

Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.

## 8718—Paper Box Wrapping Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
New Jersey Machine Corp, Hoboken, N. J.

## 8719—Paper Calendering Machines

**Clark H. C. & Son Machine Co., Lee, Mass.**
Norwood Engineering Co., Florence, Mass.

## 8720—Paper Can Machinery

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
**Paper Working Machines Co., av U, Brooklyn, N. Y.**

## 8721—Paper Clip & Fastener Machines

Automatic Pencil Sharpener Co., 58 E Washington, Chicago, Ill.
Baird Machine Co. (Automatic), Bridgeport, Conn.
**EVEREADY MFG. CO. OF BOSTON** ("Eveready". Automatic), 5 Knapp, Boston, Mass. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Special Machinery Co., (Automatic), Bridgeport, Conn.

## 8722—Paper Coating Machines

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Knowlton M. D. Co. (Silicate of Soda & Tint Solutions), 26 Elizabeth, Rochester, N. Y.
Mayer Coating Machine Co. (Waxed), 187 N Water, Rochester, N. Y.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Waldron John Co., New Brunswick, N. J.

## 8723—Paper Covering Machines

Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Watson Machine Co., Paterson, N. J.

## 8724—Paper Cutting Machines

Abbe Engineering Co. (Paper Scrap), 216-224 B'way, New York *See adv index at end of book*
Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Beloit Iron Works, Beloit, Wis.
Black-Clawson Co. ("Perfect"), Hamilton, O.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*
Central Machine Co., Niagara Falls, N. Y.
Challenge Machy. Co. ("Advance", "Diamond" Lever & Power), Grand Haven, Mich.
Champion Paper Cutter Co., Piqua, O.
Chandler & Price Co. (Lever & Power), 6000 Carnegie av, Cleveland, O.
Child Acme Cutter & Press Co. ("Acme" Self-Clamping), 184 Summer, Boston, Mass.
Clark H. C. & Son Machine Co. (Revolving for Paper Mills), Lee, Mass
Dexter Folder Co., 200 5th av, New York
Dillon Machine Co (Horizontal & Vertical, Single, Double Cutters), Lawrence, Mass.
Eardley Wm. F. & Bro., 138 Centre, New York
Fuller E. C. Co. ("White"), 28 Reade, New York
Golding Mfg. Co., Franklin, Mass.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hamblet Mach. Co. (Revolving), Lawrence, Mass.
Highland Mach. Co. ("National"), 58 Kemble, Rox., Boston, Mass.
Inman Mfg. Co., Amsterdam, N. Y.
Interstate Machy Co., Troy, N. Y.
Jacques Jno. & Son (14 inch Long), Worcester, Mass.
Kidder Press Co., Dover, N. H.
Knowlton M. D. Co., 203 Wooster, Rochester, N. Y.
Langston Samuel M. Co. (Rotary, for Fine Card Work), Camden, N. J.

PAPER CUTTING MACHINES—continued

Rice Barton & Fales Machine & Iron Co. ("Hill" Diagonal; also Revolving), Worcester, Mass.
Seybold Machine Co., Dayton, O.
Sheridan T. W. & C. B. Co., 434 B'way, New York
Smith & Winchester Mfg. Co. (Undercut Trimmer for Paper Mills), S Windham, Conn.
Standard Machy. Co. ("Keystone"), Mystic, Conn.

## 8725—Paper Feeding Machines

Cross Paper Feeder Co., 185 Summer, Boston, Mass.
Dexter Folder Co., 200 5th av, New York
Hickok W. O. Mfg. Co. (Automatic), Harrisburg, Pa.
Miller Saw Fummer Co., Point bldg, Pittsburg, Pa.
United Printing Machinery Co. (Automatic), 100 Summer, Boston, Mass.

## 8726—Paper Folding Machines

(For Bookbinders, Printers, Etc.)

American Folding Machine Co. ("American"), Warren, O.
Borden Co., The, Warren, O.
Brown Folding Machine Co., Erie, Pa.
Chambers Bros. Co., 52d, below Lancaster av, Phila., Pa.
Cleveland Folding Machine Co. ("New Idea"), 5200 Euclid av, Cleveland, O.
Dexter Folder Co., 200 5th av, New York
Dillon Mach. Co. ("Brannan"), Lawrence, Mass.
Eclipse Machine Co., Sidney, O.
Fuller E. C. Co., 28 Reade, New York
Herrick Chas. E., Northampton, Mass.
Mentges Folder Co., Sidney, O.
Omaha Folding Machine Co., Omaha, Neb.
Sheridan T. W. & C. B. Co., 434 B'way, New York

## 8727—Paper Making Machines (Miniature)

McKim Foundry & Machine Co. (For Laboratories, Color Mfrs., etc), Lockport, N. Y.

## 8728—Paper Milk Bottle Machinery

Burpee & Letson, Ltd., Bellingham, Wash.

## Paper Mill Machinery

See Paper & Pulp Mill Machy.

## 8729—Paper Napkin Machinery

Waldron John Co., New Brunswick, N. J.

## 8730—Paper Pail Machinery

Paper Working Machines Co. (Ice Cream & Oyster Pail, etc.) av U Brooklyn, N. Y.

## 8731—Paper Punching Machinery

See also Perforating Machines

Hinze H., 460 W 149th, New York.
Knowlton M. D. Co. (Also Cardboard, Asbestos, etc), 26 Elizabeth, Rochester, N. Y.
Latham Machinery Co. ("Monitor" Duplex & Multiplex), 1152 Fulton, Chicago, Ill.
Rosback F. P. Co., Benton Harbor, Mich.
Sheridan T. W. & C. B. Co., 434 B'way, New York
Southworth Machine Co. ("Southworth" Hand & Foot Power & "Portland" Multiple Foot & Power), Portland, Me.

## 8732—Paper Rewinding Machines

See also Paper Slitting & Re-winding Machine

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Downington Mfg. Co., East Downington, Pa.
Kidder Press Co., Dover, N. H.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Ticonderoga Machine Works ("Warren," Double Drum), Ticonderoga, N. Y.

## 8733—Paper Rule Forming Machines

Herrick & Cowell, New Haven, Conn.

## 8734—Paper Ruling Machines

Dewey F. E. & B. A., Springfield Mass.
Grissinger Machine Works, 904 Quarry, Phila., Pa.
Hickok W. O. Mfg. Co., Harrisburg, Pa.

## 8735—Paper Saturating, Coating & Water-proofing Machines

Moore & White Co., N 15th & Lehigh, Phila., Pa.

## Paper Scoring Machines

See paper Box Cutting & Scoring Machines

## 8736—Paper Shipping Case Machinery

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*

## 8737—Paper Slitting & Rewinding Machines

American Machine Co., Newark, Del.
Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Beloit Iron Works (Rewinders), Beloit, Wis.
Black-Clawson Co., Hamilton, O.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*

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Central Machine Co., Niagara Falls, N. Y.
Clark H. C. & Son Machine Co., Lee, Mass.
Dietz Machine Works, 126 Fontain, Phila., Pa.
Fales L. F. (Paper Slitting), Walpole, Mass.
Grissinger Machine Works, 904 Quarry, Phila., Pa.
Griswold George M. Machine Co. (Rotary Sheet Slitting, etc), New Haven, Conn.
Hamblet Machine Co. (Top Slitters), Lawrence, Mass.
Hobbs Mfg. Co., Worcester, Mass.
Jacques Jno. & Son (For Paper Box Covering & Trimming), Worcester, Mass.
Jolly J. & W., Holyoke, Mass.
Kidder Press Co., Dover, N. H.
Knowlton M. D. Co. (Also Cardboard), 26 Elizabeth, Rochester, N. Y.
Koegel Chas. & Sons, Holyoke, Mass.
Krauth & Benninghofen (Slitters), Hamilton, O.
Langston Samuel M. Co., Camden, N J.
Marshall Son & Co. (For Roll Paper), 226 Purchase, Boston, Mass.
Meisel Press Mfg. Co., 942 Dorchester av, Boston Mass.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.

## 8738—Paper Stapling Machines

Acme Staple Co. (Ltd.), (For Bookbinders), Camden, N. J.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hotchkiss E. H. Co., Norwalk, Conn.

## Paper Stock Cutting Machines

See Rag Cutting Machines

## 8739—Paper Stock Thickening Machines

Ticonderoga Machine Works, Ticonderoga, N. Y.

## 8740—Paper Tapeing Machines

New England Butt Co. (For Covering Wire with Paper), 304 Pearl, Providence, R. I.

## 8741—Paper Towel Machinery

Dietz Machine Works (Perforating, Slitting & Rewinding), 126 Fontain, Phila., Pa.

## 8742—Paper Tube Machines

Beck, Chas. Machine Co. (Rolling & Cutting), 607 Chestnut, Phila., Pa. *See adv index at end of book*
Dietz Machine Works, 126 Fontain, Philadelphia, Pa.
Grissinger Machine Works (Automatic), 904 Quarry, Phila., Pa.
Griswold George M. Machine Co. (Semi-Automatic), New Haven, Conn.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Leffler Chas. & Co. (Spiral Tube Winding), 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
Paper Working Machines Co., Ave. U, Brooklyn, N.

## 8743—Paper Twine & Cordage Machinery

Brownell G. L., Worcester, Mass

## 8743a—Paper Waxing Machines

Knowton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.

## 8744—Paper & Pulp Mill Machinery

Appleton Machine Co., Appleton, Wis.
Bagley & Sewall Co., Watertown, N. Y.
Baker Mfg. Corp., Saratoga Springs, N. Y.

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is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

*When writing to firms whose names appear in this book please mention*

**Hendricks' Commercial Register**

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Beloit Iron Works, Beloit, Wis.
Bigelow Cheney Wire Works, Springfield, Mass.
**BIGGS BOILER WORKS CO.** (Rotary Bleaching Boilers), Case av & Williams, Akron, O.
*See adv index at end of book*
Bird Machine Co., East Walpole, Mass.
Black-Clawson Co., Hamilton, O.
Bolton John W. & Sons, Inc., Lawrence, Mass.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*
Carthage Machine Co., Carthage, N. Y.
Claflin Engng. Co., Lancaster, Ohio
Clark H. C. & Son Machine Co., Lee, Mass.
**DAYTON BEATER & HOIST CO.**, Dayton, O. *See adv index at end of book*
Dayton Globe Iron Works Co., Dayton, O.
Dillon Machine Co., Lawrence, Mass.
Dilts Machine Works, (Inc.), Fulton, N. Y.
Dix Chas. B., Glens Falls, N. Y.
Dorr Co. (Causticizing Equipment), 1009 17th, Denver, Colo.
Downingtown Mfg. Co., East Downingtown, Pa.
Emerson Mfg. Co., Lawrence, Mass.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Farrel Foundry & Machine Co. ("Calenders"), Ansonia, Conn.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Fulton Machine & Vise Co., Lowville, N. Y.
Glens Falls Machine Works, Glens Falls, N. Y.
Hankey A. & Co. (Paper Mill Engines, Bars & Plate), Bourse, Phila., Pa.
Holyoke Machine Co., Holyoke, Mass.
Horne J. H. & Sons Co., Lawrence, Mass.
Improved Paper Machinery Co., Nashua, N. H.
International Process Co., 5 Beekman, New York
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
Jolly J. & W., Holyoke, Mass.
Jones E. D. & Sons Co., Pittsfield, Mass.
Kaukauna Machine Works, Kaukauna, Wis.
Koegel Chas. & Sons (Paper Slitters, Slitter Grinders & Slitter Blades), Holyoke, Mass.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Mills Machine Co., Lawrence, Mass.
Moore & White Co., N 15th & Lehigh, Phila., Pa.
Murray D. J. Mfg. Co., Wausau, Wis.
Noble & Wood Machine Co., Hoosick Falls, N. Y.
Norwood Engineering Co. (Paper Finishing Machinery), Florence, Mass.
Penney J. W. & Son Co., Mechanic Falls, Me.
Perkins B. F. & Son, Holyoke, Mass.
Portland Co., Portland, Me.
Portland Iron Works, 14th & Northrup, Portland, Ore.
Pusey & Jones Co., Wilmington, Del.
Rice Barton & Fales Machine & Iron Co. Worcester, Mass.
Sandusky Foundry & Machine Co., Sandusky, O.
Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.
Scott Olin (Est. of), (Wood Pulp), Bennington, Vt.
Shartle Bros. Machine Co., Middletown, Ohio
Simonds A. A. & Sons Co. (Roll Car Grinders), Dayton, O.
Smith & Winchester Mfg. Co., South Windham, Conn.
Stellman L. H. & Son, Brattleboro, Vt.
Thompson Mfg. Co., Lancaster, N. H.
Ticonderoga Machine Works, Ticonderoga, N. Y.
Union Iron Works, Bangor, Me.
Union Machine Co., Fitchburg, Mass.
Valley Iron Works Co., Appleton, Wis.
Watson Frye Co., Ltd., Bath, Me.
Witham Co., Hoosick Falls, N. Y.

### 8745— Papering Machines

Beck, Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Knowlton M. D. Co. (Paper Box), 26 Elizabeth, Rocheseter, N. Y.

### 8746—Paraffine Wax Machinery

Patterson Foundry & Machine Co., East Liverpool, O.

### 8747— Paraffining Machines

Black-Clawson Co. (Saturating for Sheets), Hamilton, O.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Waldron Jno. Co., New Brunswick, N. J.

### 8748—Paste Mixing Machines

Acton John, 118 John, Brooklyn, N. Y.
Day J. H. Co., Cincinnati, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Ross Chas. & Son., 148 Classon av, Brooklyn, N. Y.


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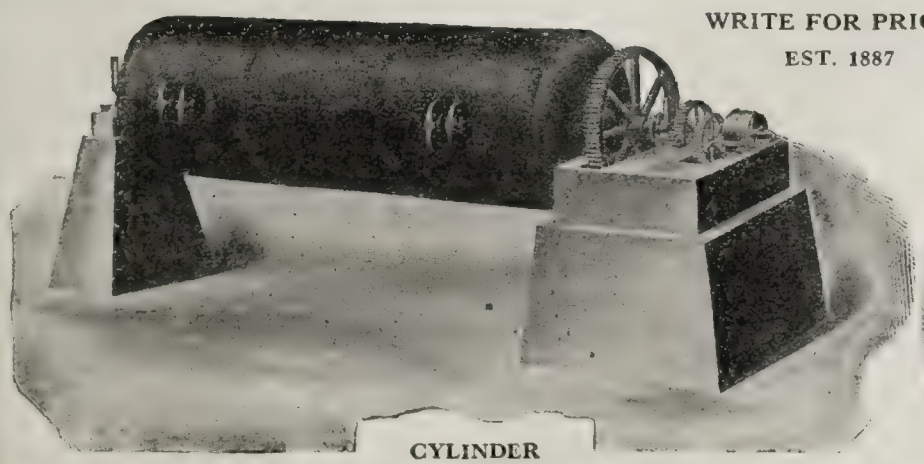

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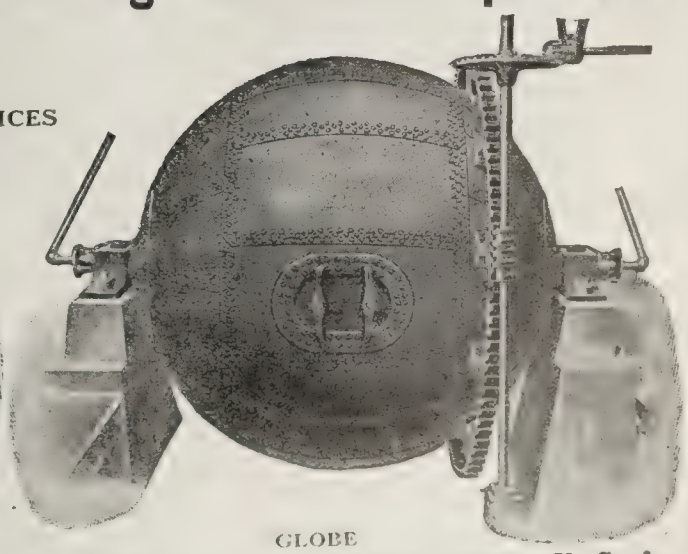

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## 8749— Pasteurizing Machines

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Barry-Wehmiller Machinery Co. ("National"), 4660 Florissant av, St. Louis, Mo.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Loew Mfg. Co. ("New Era," "Monitor," Beer; also "In-the-Bottle"-Milk), 9109 Madison av, N W, Cleveland, O.
Magnus A. Sons Co. ("Ruff Simplex" Auto Positive), 327 W Randolph, Chicago, Ill.
Miller Pasteurizing Machine Co. ("Miller") Canton, O.
Premier Machinery Co., Oakland, Cal.
Twentieth Century Machinery Co., Nat'l Bk. bldg, Milwaukee, Wis.

## 8750— Pasting Machines

Black-Clawson Co. (Sheet & Roll) Hamilton, O.
Potdevin Machine Co., 253 36th, Brooklyn, N. Y.
Prior A. G. (Inc.) ("Universal"), 665 Broad, Newark, N. J.

## 8751-2—Pasting Machines (Paper, Cloth, Leather, Etc.)

Beck Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Knowlton M. D. Co. (Also Cardboard), 26 Elizabeth, Rochester, N. Y.

## Pattern Letter Plate Embossing Machines

See Presses, Type Embossing

## Pattern Makers' Machinery

See Lathes, Pattern Makers'

## 8753—Pattern Shop Sawing Machines

Baker Bros., Toledo, O.
Hobbs Mfg. Co., Worcester, Mass.
Oliver Machinery Co. (Band Saws), Grand Rapids, Mich.
West Side Iron Works (Band Sawing Machines), Grand Rapids, Mich.

## 8753a—Paving Machinery (Asphalt Plant)

See also Asphalt Machy. in this section
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*

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## 8754—Pea Canners' Machinery

Invincible Grain Cleaner Co. ("Invincible"), Silver Creek, N. Y.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.
Robins A. K. & Co., 116 Market pl, Baltimore, Md.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.

## 8755—Pea Feeding Machines

White I. N., Mount Morris, N. Y.

## Pea Harvesting Machinery

See Harvesters, Bean & Pea

## 8756—Pea Hulling Machinery

See Hullers, Bean & Pea
Chisholm-Scott Co., Cadiz, O.

## 8757—Peach Pitting Machines

Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.

## 8758—Peanut Butter Machinery

Burns Jabez & Sons, 567-11th av, New York
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 8759— Peanut Machinery

Appomatox Iron Works & Supply Co., Petersburg, Va.
Ayers J. R. Petersburg, Va.
Cardwell Machine Co. (Pickers & Cleaners, Shellers & Separators), 1900 E Cary, Richmond, Va.
Howes S. Co. (For Cleaning, Grading & Separating), Silver Creek, N. Y.
Huntley Mfg. Co., ("Monitor" Cleaning, Grading, Separators, Aspirators), Silver Creek, N. Y.
Johnson & Field Mfg. Co., Racine, Wis.
Lambert Machine Co. (Butter), Marshall, Mich.
Stratton & Bragg Co. (Picker, Cleaners, etc.), Petersburg, Va.
*See adv index at end of book*
Straub A. W. Co., 3741 Filbert, Phila., Pa.

## Peanut Roasting Machines

See Coffee, Peanut & Cocoa Bean Roasting Machines

## 8760—Pearl Button Machinery & Tools

Holub-Dusha Co., 1799 1st av, New York

## 8760a—Pearling Machinery (Barley, Pepper, Etc.)

Bartlett C. O. & Snow Co., Fall, Cleveland, O. *See adv index at end of book*

## 8760b—Peat Excavating Machinery

Buckeye Traction Ditcher Co., Findlay, O.

## 8761—Peat Fuel Machinery

American Process Co., 68 William, New York
Buckeye Traction Ditcher Co. (Excavating for Fertilizer Filler, Peat Fuel and other Peat Products), Findlay, O.
Manitowoc Engng. Works, Manitowoc, Wis.

## Peeling Machines (Fruit & Vegetable)

See Parers, Fruit & Vegetable

## 8762— Perforating Machines

American Perforator Co., 621 W Jackson blvd, Chicago, Ill.
Asam Bros., Phila., Pa.
Burton A. G. Son ("Universal-Peerless"), 118 S Clinton, Chicago, Ill.
Cummins Perforator Co. ("Chicago" Hand, for Check), R. R. Ticket Dating, etc), 4740 W. Ravenswood av, Chicago, Ill.
Griswold George M. Machine Co. (Paper), New Haven, Conn.
Hearne Robert J., 12 Wooster, New York
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Jonas Chas. S. & Bro., 541 Pearl, New York
Kahan Mach. Works, 12 N Market, Chicago, Ill.
Latham Machinery Co. ("Monitor," for Paper, etc), 1153 Fulton, Chicago, Ill.
Leabarjan Mfg. Co. (Music Roll), Hamilton, O.
Long & Allstatter Co. (Sheet Metal), Hamilton, O.
Matthews James H. & Co., 3942 Forbes, Pittsburgh, Pa.
**NIAGARA MACHINE & TOOL WORKS**, (For Sheet Metal), Buffalo, N. Y.
*See adv index at end of book*
Perforated Pattern Co. (Embroidery), 30 E 20th, New York
Roberts Numbering Machine Co., 706 Jamaica av, Brooklyn, N. Y.
Rosback F. P. Co. (Paper), Benton Harbor, Mich.
Tatum Sam'l C. Co. (Paper), Cincinnati, O.

## 8763—*Petroleum Can Machinery

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8764—Pharmaceutical Machinery

**ABBE ENGINEERING CO.**, 216-224 B'way, New York
*See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y. *See adv index at end of book*
Colton Arthur Co., 782 E Jefferson, Detroit, Mich.
Stokes F. J. Machine Co. (Dryers, Stills, Kettles, Mills, Emulsifiers, Tablet, Pill & Capsule Machinery, etc), 17th & Cambria, Phila., Pa.
Superior Mach. & Engng. Co., 51 E Fort, Detroit, Mich.
**WERNER PFLEIDERER CO.**, 1232 No. Niagara, Saginaw, Mich.
*See adv index at end of book*

## 8765—Phosphate Mill Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Georgia Iron Works, Augusta, Ga.
Holmes & Blanchard Co., 31 State, Boston, Mass.
Kehoe Iron Works, Savannah, Ga.
Ocala Iron Works, Ocala, Fla.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Walker & Elliot, Wilmington, Del.

## 8766—Photo Engravers' Machinery

Ostrander-Seymour Co., 7 S Dearborn, Chicago, Ill.
Royle John & Sons, Paterson, N. J.
Wesel F. Mfg. Co., 70 Cranberry, Brooklyn, N. Y.

## 8767—Photo Mount Beveling Machines

Dietz Machine Works, 126 Fontain, Phila., Pa.

## 8768—Photograph Card Beveling Machines

Dietz Machine Works, 126 Fontain, Phila., Pa.

## 8769— Photograph Machines

Chicago Ferrotype Co. ("Wonder Cannon" & Cameras "One-Minute"), 1455 W Congress, Chicago, Ill.

## 8770—Photographic Copying Machines

Cameragraph Co. ("Cameragraph"), 90* Baltimore av, Kansas City, Mo.
Commercial Camera Co. ("Photostat"), Rochester, N. Y.
Machine Mfg. & Engineering Co., Council Bluffs, Ia.
Rectigraph Co., Rochester, N. Y.

## 8771—Piano Action Machinery

Howes Forest E., 263 Northampton, Boston, Mass.
Nilson A. H. Machine Co. (Semi-Automatic), Bridgeport, Conn.
Redin, Ekstrom & Co., Rockford, Ill.

## 8772—Pick Eye Forging Machines

Birmingham Iron Foundry, Derby, Conn.
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

## 8773—Picket Heading & Pointing Machines

Chapman's T. M. Sons Co., Old Town, Me.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Yates P. B. Machine Co., Beloit, Wis.

## 8774— Pickling Machines

Anderson Foundry & Machine Works (Tin Plate), Anderson, Ind.

Howard Iron Works (Metal-Goods Washing & Pickling), Buffalo, N. Y.
Mesta Machine Co., Pittsburgh, Pa.
*See adv index at end of book*


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### 8775—Picture Frame Machinery

Rockford Mitre Box Co. ("Star"), Rockford, Ill.

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'olborne Mfg. Co., 157 W Division, Chicago, Ill.

### 8777—*Pieced Tinware Machinery

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

### 8778—Pig Iron Casting Machines

Weimer Machine Works Co., Lebanon, Pa.

### Pile Driving Machinery

See Pile Driving Engines, Derricks, Hammers; Pneumatic Pile Drivers; Pile Drivers, Railroad Car, etc.

### 8779—Pill Coating Machines

Colton Arthur Co (Automatic), 782 E Jefferson, Detroit, Mich.
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.

### 8780—Pill Making Machines

See also Tablet Machines

Colton Arthur Co (Automatic), 782 E Jefferson, Detroit, Mich.
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.

### Pin Machinery

See Hook & Eye Machines

### 8781—Pin Pointing Machinery

Baird Machine Co. ("Automatic"), Bridgeport, Conn.
Mannville E. J. Mach. Co., Waterbury, Conn.

### 8782—Pin Sticking Machines

Baird Machine Co. ("Automatic"), Bridgeport, Conn.

### 8783—Pineapple Machinery

Lewis E. J. (Peelers, Corers & Sizers), Middleport, N. Y.
Mitchell Jno. R. Co. (Graters, Sizes, etc), 702 S Washington, Baltimore, Md.
Premier Machinery Co., Oakland, Cal.
Sinclair-Scott Co., B. & O. R. R., Wells & Patapsco, Baltimore, Md.
Sprague Canning Machinery Co. (For Canners), 222 N Wabash av, Chicago, Ill.
Stevenson & Co., 607 S Caroline, Baltimore, Md.
Zastrow Geo. W., 1410 Thames, Baltimore, Md.

### 8784-5—Pinion Cutting Machines

See also Gear Cutting Machines

Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

### 8786—Pinion & Wheel Cutting Machines

Stark Tool Co. (Cuts from 1-16 to 4 inches in Diameter), Waltham, Mass.

### 8787—Pinking & Scalloping Machines

Ahlstrom O. J., 711 B'way, New York
Durbrow & Hearne Mfg. Co., 12 Wooster, New York
Hannum H. A. & Co., 303 Wallace, Syracuse, N. Y.
Lindner & Vradenburgh (Pinking), 239 Centre, New York
Osborne C. S. & Co. ("C. S. O. & Co." for Harness Makers, etc), Box 183, Newark, N. J. *See adv index at end of book*
Smith & Winchester Mfg. Co., South Windham, Conn.

### 8788—Pipe Bending Machines

American Marine Iron Works, Portland, Oregon
American Pipe Bending Machine Co. ("Wonder"), 39 Pearl, Boston, Mass.
Cox J. Fillmore & Co., Bayonne, N. J.
Galland-Henning Mfg. Co., 97 Wisconsin, Milwaukee, Wis.
Pedrick Tool & Machine Co., 3642 N Lawrence, Phila., Pa.
Pipe Machy. Co. (Pipe Mill), 930 E 70th, Cleveland, O.
Riverside Machine Co., Chester, Pa.
Standard Engineering Co., Elwood City, Pa.
Underwood H. B. & Co. 1025 Hamilton, Phila., Pa.
United States Shape & Pipe Bending Co., 315 Howard, San Francisco, Cal.
Wallace Supplies Mfg. Co. (Hand Power), 412 Orleans, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.
Wells Frank L. Co. ("Simmons," for Brass & Steel Pipe), Kenosha, Wis.

### 8789—Pipe Calking Machines

Smith A. P. Mfg. Co. ("O'Neill" Steam), East Orange, N. J.

### 8790—Pipe Crushing & Shearing Machines (Combined)

United Engineering & Fdry. Co., Keenan bldg, Pittsburgh, Pa.

### 8791—Pipe Cutter & Die Grinding Machines

See also Grinders, Die

Bignall & Keeler Mfg. Co. ("B. & K."), Edwardsville, Ill.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Murchey Machine & Tool Co., 85 Porter, Detroit, Mich.

### 8792—Pipe Cutting & Threading Machines

See also Cutters, Pipe

Armstrong Mfg. Co. ("Armstrong"), 278 Knowlton, Bridgeport, Conn.
Bignall & Keeler Machine Wks. ("Peerless," "P. D. Q. C.," "Duplex"), Edwardsville, Ill.
Borden Co., The ("Beaver," Hand), Warren, O.
Clow Jas. B. & Sons (Portable), Franklin & Harrison, Chicago, Ill.
Cox & Sons Co. (Motor, Belt, Engine, Steam or Compressed Air Driven & Constant Variable Speed), 5th & Chestnut, Phila., Pa.
Curtis & Curtis Co. ("Forbes," Hand & Power), Bridgeport, Conn.
Fox Machine Co. (Cutting Machines Only), Jackson, Mich.
Fremont Mfg. Co., Fremont, Mich.
GREENFIELD TAP & DIE CORP'N ("G. T. D." with Automatic Die Heads, Hand & Power), Greenfield, Mass. *See adv index at end of book*
Hart Mfg. Co. (Hand), Cleveland, O.
Jarecki Mfg. Co., Erie, Pa.
Johnston Wm. I. Co. (Lathecut), 3d & Vine, Cincinnati, O.
Landis Machine Co. ("Landis," Threading), Waynesboro, Pa.
Larick-Stough Co., Frankfort, Ind.
Loew Mfg. Co., 9100 Madison av, N. W., Cleveland, O.
McMann & Taylor Co., 104 John, New York. *See adv index at end of book*
Merrell Mfg. Co. ("Apex," "Merrell"), 278 Curtis, Toledo, O.
Murchey Machine & Tool Co. (For Nipple & Pipe Threading; also Rapid Roller Pipe Cutters), 85 Porter, Detroit, Mich.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Oster Mfg. Co., 2057 E 61st pl, Cleveland, Ohio
Outlet Cutter Sales Co., 162 W 34th, New York
Pipe Machy. Co. (⅛ to 12 in.), 930 E 70th, Cleveland, O.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
San Francisco Eng. Co., 322 6th, San Francisco, Cal.
Saunders D. Sons ("I. X. L."), Yonkers, N. Y.
Smith A. P. Mfg. Co. ("French," Pipe Cutting Machines), East Orange, N. J.
Standard Engng. Co. ("Standard Wieland" "Mill Type" Threading), Elwood City, Pa.
Taylor-Wilson Mfg. Co. (For Pipe & Tube Mills, etc), McKees Rocks, Pa.
TREADWELL ENGINEERING CO., Easton, Pa. *See adv index at end of book*
United Engng. & Fdry. Co., Keenan bldg., Pittsburgh, Pa.
Universal Machine Co. ("Wilson"), Bowling Green, O.
Walworth Mfg. Co., Boston, Mass.
Williams Tool Co. (Pipe Cutting & Threading), Erie, Pa.

### 8793—Pipe Expanding & Flanging Machinery

Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

### 8794—Pipe Polishing Machines

Standard Engineering Co., Ellwood City, Pa.

### 8794a—Pipe Screwing Machines

Buckeye Traction Ditcher Co. (For Large Pipes), Findlay, O.

### Pipe Threading Machines

See Pipe Cutting & Threading Machines

### Pipe Threading & Cutting Machines

See Pipe Cutting & Threading Machines.

### 8795—Pipe & Tube Mill Machinery

Bignall & Keeler Machine Works ("Peerless," "Duplex" & "P. D. Q. C."), Edwardsville, Ill.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Garrison A. Foundry Co. (Butt & Lap Weld Tube Mill), 901 Bingham, Pittsburgh, Pa.
Kane & Roach, Syracuse, N. Y.
Morgan Construction Co., Worcester, Mass.
Rosedale Fdry. & Mach. Co., Columbus & Preble, Pittsburgh, Pa.
Standard Engng. Co., Elwood City, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
United Engng. & Fdry. Co., Keenan bldg., Pittsburgh, Pa.

### 8796—Pipe & Tube Straightening Machines

Brightman Mfg. Co., Columbus, O.
Etna Machine Co., Toledo, O.
Logemann Bros. Co. (Hydraulic), 3130 Burleigh, Milwaukee, Wis.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

### 8797—Piston & Piston Ring Machines (Automatic)

Potter & Johnston Machine Co., Pawtucket, R. I.

## 8798— Pitching Machines

Cleveland Brewers Supply Co. ("Walbel's," Pitching & Spraying), 1506 W 25th, Cleveland, O.
Eureka Machine Co., Cleveland, O.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
National Machine Works, 1559 Sheffield av, Chicago, Ill.
Pawling & Harnischfeger Co. ("Milwaukee"), Milwaukee, Wis.
*See adv index at end of book*
Rauh David (Automatic Imported), 308 Elizabeth, Newark, N. J.
Torchiani H. ("Ideal" Aucbrenner), 140 N Dearborn, Chicago, Ill.
Zunner Machine Co., Rochester, N. Y.

## 8799—Pivot Polishing Machines

Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.

## 8800—Placer Mining Machinery

United Iron Works, Oakland, Cal.

## 8801—Planing Machines (Angle)

**HILLS & JONES CO.,** East Wilmington, Del. *See adv index at end of book*

## 8802—Planing Machines (Bench)

Bartlett E. E. ("Federal") 326 A, Boston, Mass.
Fay J. A. & Egan Co. (Hand), Cincinnati, Ohio
Wallace J. D. & Co. (Wood), 1401 W Jackson blvd, Chicago, Ill.

## 8803—Planing Machines (Buzz)

See also Planing Machines, Wood

American Wood Working Machinery Co., Rochester, N. Y.
Carey W. W. Co., Lowell, Mass.
Central Machine Works Co., 1234 Central av, Minneapolis, Minn.
Colladay Jos. O., 626 Race, Phila., Pa.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Holmes E. & B. Machinery Co., Buffalo, N. Y.
National Woodworking Machine Co., Dover, N. H.
Oliver Machinery Co., Grand Rapids, Mich.
Porter C. O. Machinery Co. ("Porter" Hand Joint), Grand Rapids, Mich.
*See adv index at end of book*
Sidney Tool Machine Co., Sidney, O.
Silver Mfg. Co., No. 256, Salem, O.
Smith H. B. Machine Co., Smithville, N. J.
Union Iron Works, Bangor, Me.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

## 8804—Planing Machines (Crank)

Newton Machine Tool Works, 23d & Vine, Phila., Pa.

## 8805—Planing Machines (Fluting Feed Rod)

Woodward & Powell Planer Co. (For Textile Machines), Worcester, Mass.

## 8806—Planing Machines for Steel Foundries

Wetherill R. & Co., Chester, Pa.

## 8807-8—Planing Machines (Frog & Switch)

Cincinnati Planer Co., Cincinnati, O.
Cleveland Planer Works, 3150 Superior, Cleveland, O.
Liberty Machine Tool Co., Hamilton, O.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Woodward & Powell Planer Co., Worcester, Mass.

## 8809—Planing Machines (Hand & Foot Power)

Shepard Lathe Co., Canal & Jackson, Cincinnati, O.
Yates P. B. Machine Co., Beloit, Wis.

## 8810—Planing Machines (Heading)

Oram Jno. S. Co., 1316 E 53rd, Cleveland, O.
Rochester Barrel Machine Works, Rochester, N. Y.
Trevor Mfg. Co., Lockport, N. Y.

## 8811—Planing Machines (Hydraulic)

Burroughs Chas. Co., 141 Commerce, Newark, N. J.
*See adv index at end of book*

## 8812—Planing Machines (Locomotive Connecting Rod)

Cincinnati Planer Co., Cincinnati, O.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Woodward & Powell Planer Co., Worcester, Mass.

## 8813—Planing Machines (Locomotive Cylinder)

Cincinnati Planer Co., Cincinnati, O.
Liberty Machine Tool Co., Hamilton, O.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York City
*See adv index at end of book*
Morton Mfg. Co., Muskegon, Mich.

## 8814—Planing Machines (Metal Working)

American Tool Works Co., Cincinnati, O.
Betts Machine Co., Maryland av & South, Wilmington, Del.
Bickett Machine & Mfg. Co., Cincinnati, O.
**CINCINNATI PLANER CO.,** Cincinnati, O.
Cincinnati Shaper Co., (Crank), Elam & Garrard, Cincinnati, O.
Cleveland Planer Works (Open Side), 3150 Superior, Cleveland, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Gray G. A. Co., Cincinnati, O.
Hamilton Machine Tool Co. (24 to 96 inches), Hamilton, O.
Liberty Machine Tool Co., Hamilton, O.
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*See adv index at end of book*


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Morton Mfg. Co. (Portable), Muskegon Heights, Mich.
Niles-Bement-Pond Co., 111 B'way, New York
Ohio Machine Tool Co. ("Ohio," 22x22 inches, up to 56x48 inches), Kenton, O.
Powell Machine Co., 243 Stafford, Worcester, Mass.
Putnam Machine Co., Fitchburg, Mass.
Rockford Machine Tool Co. ("Rockford" Single Geared Crank, Back Geared Crank, etc), Rockford, Ill.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*


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Whitcomb-Blaisdell Machine Tool Co., Worcester, Mass.
Wilson W. A. Machine Co., Rochester, N. Y.
Woodward & Powell Planer Co. ("Hy-Speed" Accelerating High Cutting Speed), Worcester, Mass.

## 8815—Planing Machines (Open Side)

Cleveland Planer Works ("Cleveland") 3150 Superior, Cleveland, O.
**MEIER J. J. MACHINERY CO.** (Heavy Duty), 3412-3414 Woolworth bldg, New York *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

## 8816—Planing Machines (Plate)

Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

## 8817—Planing Machines (Pony)

See also Planing Machines, Wood

American Sawmill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Central Machine Works Co., 1234 Central av, Minneapolis, Minn.
Connell & Dengler Machine Co., Rochester, N. Y.
Crescent Machine Co., Leetonia, O.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Holmes E. & B. Machinery Co., Buffalo, N. Y.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Lane Mfg. Co., Montpelier, Vt.
Oliver Machinery Co., Grand Rapids, Mich.
Porter C. O. Machinery Co., Grand Rapids, Mich. *See adv index at end of book*
Power L. & Co., 20 S 23d, Phila., Pa.
Sidney Machine Tool Co., Sidney, O.
Union Iron Works, Bangor, Me.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Yates P. B. Machine Co., Beloit, Wis.

## 8818—Planing Machines (Rail)

Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Vixen Tool Co., 50th & Lancaster av, Phila., Pa.

## 8819—Planing Machines (Rotary)

**Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Newton Machine Tool Works (Portable & Stationary), 23rd & Vine, Phila., Pa.**
**Niles-Bement-Pond Co., 111 B'way, New York**
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Underwood H. B. & Co. (Boring Bars), 1025 Hamilton, Phila., Pa.
U. S. Mach. Tool Co. ("U. S."), Cincinnati, O.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.

## 8820—Planing Machines (Slate)

See also Machinery, Slate
**Ruggles Machine Co., Poultney, Vt.**

## 8821—Planing Machines (Stave)

Oram John S. Co., 1316 E 53rd, Cleveland, O.
**Rochester Barrel Machine Co., Rochester, N. Y.**

## 8822—Planing Machines (Stone)

See also Machinery, Stone Working
**Farrel Fdry & Machine Co., Ansonia, Conn.**
**Lincoln Iron Works ("Gilmour"), Rutland, Vt.**
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
**New Albany Machine Mfg. Co., New Albany, Ind.**
**Patch F. R. Mfg. Co., Rutland, Vt.**
**Ruggles Machine Co. ("Ruggles" for Soft Stone), Poultney, Vt.**

## 8823—Planing Machines (Traveling Bed)

**Chase Turbine Mfg. Co. (Planers 24 in. Wide to 12-in. Thick), Orange, Mass.**
Yates P. B. Machine Co., Beloit, Wis.

## 8824—Planing Machines (Wood)

American Sawmill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Colladay Jos. O. Co., 626 Race, Phila., Pa.
Cordesman-Rechtin Co., Butler, Cincinnati, Ohio
Crescent Machine Co., Leetonia, O.
Defiance Machine Works, Defiance, O.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Falls Machine Co., Sheboygan Falls, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Fisher & Davis Mfg. Co. ("Little Giant"), 934 N First, St. Louis, Mo.
Gerlach Peter Co. (Single, Double & Four Sided for Chair, Furniture, Box Board, Staves & Heading, etc.), 1712 Winter, Cleveland, O.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Holmes E. & B. Mach'y Co., Buffalo, N. Y. N. Y.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Humphrey Machine Co., Keene, N. H.
Jones Superior Machine Co. ("Superior"), 1264 W North av, Chicago, Ill.
Kane & Roach, Syracuse, N. Y.
Kidder R. E. Co., Worcester, Mass.
Lane Mfg. Co., Montpelier, Vt.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Myers Machine Co., Sheboygan, Wis.
National Woodworking Machine Co., Dover, N. H.
Newman Machine Co., Greensboro, N. C.
Oliver Mach'y Co. (Surface), Grand Rapids, Mich.
Power L. & Co., 20 S 23d, Phila., Pa.
Pryibil P. Machine Co., 520 W 41st, New York
Ricker T. H. & Sons Co., Harrison, Me.
Salem Iron Works, Winston-Salem, N. C.
Smith H. B. Machine Co. (Surface), Smithville, N. J.
Stellman L. H. & Son (Rotary Bed), Brattleboro, Vt.
Stetson Machine Works, 3204 1st av, So. Seattle, Wash.
Stetson-Ross Machine Works, Seattle, Wash.
Strong Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
Union Iron Works, Bangor, Me.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.
Whitney Baxter D. & Son, Winchendon, Mass.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
**Yates P. B. Machine Co., Beloit, Wis.**

## 8825—Planing & Jointing Machines

Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Oliver Machinery Co. ("Oliver" Hand), Grand Rapids, Mich.

## 8826—Planing & Matching Machines

American Sawmill Machinery Co., Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Connell & Dengler Mach'y Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Fay J. A. & Egan Co., Cincinnati, O.
**HALL & BROWN WOOD WORKING MACHINE CO.,** 1929-33 N B'way, St. Louis, Mo. *See adv index at end of book*
Hermance Machine Co., Williamsport, Pa.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Newman Machine Co., Greensboro, N. C.
Power L. & Co., 20 S 23d, Phila., Pa.
Salem Iron Works, Winston Salem, N. C.
Smith H. B. Machine Co., Smithville, N. J.
Stetson Machine Works, 3204-1st av, So. Seattle, Wash.
Stevens Machine Shop, Winooski, Vt.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
**Yates P. B. Machine Co., Beloit, Wis.**

## 8827—Plaster Mill Machinery

American Process Co., 68 William, New York
Butterworth & Lowe, Grand Rapids, Mich.
Dunning W. D. ("Broughton" Plaster & Cement Mixers), Syracuse, N. Y.
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kan.
Great Western Mfg. Co., Leavenworth, Kan.
Sprout Waldron & Co. (Crushers, Grinders, etc), Muncy, Pa.
Sturtevant Mill Co., Clayton & Park, Dorchester, Boston, Mass.

## Plaster of Paris Machinery

See Plaster Mill Machinery; also Stucco Machinery

## 8828—Plate Glass Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Fischer Foundry Co., 1616 Roland, Pittsburgh, Pa.
**HOOVEN OWENS RENTSCHLER CO.,** Hamilton, O. *See adv index at end of book*
National Roll & Foundry Co. (Polishing, Grinding, Casting Tables, Runner Bars, etc), Avonmore, Pa.
Rosedale Foundry & Mach. Co., Columbus & Preble, Pittsburgh, Pa.
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**

## 8829—Plate Scarfing Machines

Hilles & Jones Co., E. Wilmington, Del.
*See adv index at end of book*
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

## 8830—Plate Straightening Machinery

**Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.**
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Kane & Roach, Syracuse, N. Y.
Newbold R. S. & Son Co., Norristown, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Philadelphia Roll & Mach. Co., 25th & Washington av, Philadelphia, Pa.
Rock River Machine Co., Janesville, Wis.
**WATSON-STILLMAN. CO.,** 38 Church, New York *See adv index at end of book*
Wickes Bros., 512 N Tilden, Saginaw, Mich.

## 8831— Plating Machines

Connecticut Dynamo & Motor Co. ("Rotoplater"), Irvington, N. J.
Munning A. P. & Co. ("Nonesuch"), Matawan, N. J.
Norwood Engineering Co., Florenj, Mass.

## 8832—Playing Card Machinery

Dietz Machine Works, 126 Fontain, Phila., Pa.

## 8833—Plow Handle Machinery

Defiance Machine Works, Defiance, O.
Root B. M. Co., York, Pa.

## 8833a—Plug Cutting Machines

Woods S. A. Machine Co., 27 Damrell, Boston, Mass.

## 8834—Pneumatic Boring Machines

Helwig Mfg. Co. ("Helwig" for Metal or Wood), St. Paul, Minn.

## 8835—Pneumatic Painting Machines

Lederer P. J. Co., 66 Forest av, Buffalo, N. Y.
**PAASCHE AIR BRUSH CO.,** 1249 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Spray Engng. Co., 93 Federal, Boston, Mass. *See adv index at end of book*

"SPRACO"
Pneumatic Painting Outfits save the labor of many men.
SPRAY ENGINEERING CO.
93 Federal St.,
BOSTON, MASS.


Wright David A., 568 W. Washington, Chicago, Ill.

## 8836—Pole Handling Machines

Clyde Iron Works Sales Co. (Self-Propelling, for Handling Poles & Heavy Timbers), Duluth, Minn.
*See adv index at end of book*

## 8837— Pole Sawing Machines

Appleton Mfg. Co. ("Appleton"), Batavia, Ill.

## 8838— Polishing Machines

See also Lathes, Buffing & Polishing; also Wood Polishing Machines
**ABBOTT BALL CO.** ("Abbott"), Elmwood Station, Hartford, Conn.
*See adv index at end of book*
Astle H. J. & Co. ("Boland"), 118 Orange, Providence, R. I.
Baird Machine Co., Bridgeport, Conn.
Beal Joseph & Co., 465 Atlantic av, Boston, Mass.
**Blount J. G. Co. (Straight & Overhanging).** Everett, Mass.
**Born J. C. & Bro. ("Crescent"), Belleville,** Ill.
**BRIDGEPORT SAFETY EMERY WHEEL CO.,** 88 Knowlton st, Bridgeport, Conn.
*See adv index at end of book*
**Brown & Sharpe Mfg. Co. (and Finish),** Providence, R. I.
Builders' Iron Foundry ("Builders"), 9 Codding, Providence, R. I.
**CUTTER & WOOD SUPPLY CO.,** 77 Pearl, Boston, Mass.
*See adv index at end of book*
Diamond Machine Co. ("Diamond"), Providence, R. I.

POLISHING MACHINES—continued

Excelsior Tool & Machine Co. (Automatic), 32nd & Ridge, East St. Louis, Ill.
Florence Machine Co., Florence, Mass.
Fox Machine Co., Jackson, Mich.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Goodell-Pratt Co. (Foot Power), Greenfield, Mass.
Greenfield Tap & Die Corp. ("Wells"), Greenfield, Mass.
*See adv index at end of book*
Kent Vacuum Cleaner Co. ("Utility"), Rome, N. Y.
Luther Mfg. Co., Olean, N. Y.
McWilliams Thos., 237 Eddy, Providence, R. I.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
No Dust Drying Machine Co. ("No Dust"), 157 Durance, Providence, R. I.
Production Machine Co. ("Blevney" Hand Semi-Automatic), Greenfield, Mass.
Robinson Automatic Machine Co. (Automatic), Russell & Milwaukee, Detroit, Mich.
Robinson Wm. V. Co., Owasso, Mich.
Smith, Richardson Co. ("Imperial"), Attleboro, Mass.
Stow Flexible Shaft Co. (Portable, Wood & Metal), 26th & Callowhill, Philadelphia, Pa.
Warren Products Co., 265 B'way, New York
*See adv index at end of book*
Webster & Perks Tool Co., Springfield, Ohio
Weisbecker Francis A. & Sons (For Copper, Steel & Zinc Plates), 26 Frost, Brooklyn, N. Y.

## Polishing Machines (Marble)

See Stone Polishing Machines

## 8839— Pop-Corn Machines

Cretors C. & Co., 620 W 22d, Chicago, Ill.
Dunbar & Co., 2652 W Lake, Chicago, Ill.
Holcomb & Hoke Mfg. Co. ("Butter-Kist"), Indianapolis, Ind.
Knot E. R. Machine Co., 32 Dorchester, Boston, Mass.
Long W. Z. Co. (For Fritters Only), Springfield, O.

## 8840— Porcelain Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
*See adv index at end of book*

## 8841—Porch Column Boring Machines

Warren Products Co., 265 B'way, New York
*See adv index at end of book*

## 8842—Portable Rip & Swing Cross-Cut Saw Machines.

Ransome Concrete Machinery Co., Dunellen, N. J.

## 8843— Post Boring Machines

Cordesman-Rechtin Co., Cincinnati, O.
Fox Machine Co., Butler, Jackson, Mich
Grand Rapids Hdwe Co., Grand Rapids, Mich.
National Woodworking Machine Co., Dover, N. H.
Smith H. B. Machine Co., Smithville, N.J.

## 8844—Postage Stamp Affixing Machines

Mailometer Co., 1093 Jefferson av, Detroit, Mich.
Multipost Co., Rochester, N. Y.
National Machine Co., Brattleboro, Vt.
New Era Mfg. Co. ("New Era" Stamp Affixer), 450 4th av, New York
Standard Stamp Affixer Co., Sommerville, Mass.

## Potato Digging Machine

See Diggers, Potato, with the word Machine following their name.

## Potato Peeling Machines

See Parers, Fruit & Vegetable

## 8845— Pottery Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Automatic Tile Machine Co., Cincinnati, O.
Bonnot Company, Canton, O.
Bucher-Smith Co., East Liverpool, Ohio
Crossley Machine Co. (Complete Line), State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
Griffith & Wedge Co., Zanesville, O.
International Clay Machy. Co., Dayton, O.
Ivens Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Knott & Harker Co., Beaver Falls, Pa.
Logan Edw. Machine Co., Trenton, N. J.
Mackenzie's Duncan Sons Co., Trenton, N. J.
Mueller Machine Co., Trenton, N. J.
Patterson Foundry & Machine Co., East Liverpool, O.
Taplin-Rice-Clerkin Co., Akron, O.

## 8846—Powder Mill Machinery

See also Gun Powder Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Eyster, Weiser & Co., York, Pa.
Hydraulic Press Mfg. Co. (Hydraulic Presses), Mt. Gilead, O.

## 8846a—Power Transmitting Machinery

See also Power Transmitting Machy., Rope
For Gears, Pulleys, Shafting, Hangers, Bearings, etc., See Index of Contents

Allis-Chalmers Mfg. Co. (Mechanical), Milwaukee, Wis.
American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
American Rotary Pump Co. (Rotary Power Engineers, Dock Patents), 67 Hampden, Boston, Mass.
American Tool & Machine Co., 10 High, Boston, Mass.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Baker Machinery Co. (Electric), Des Moines, Iowa
Barnard & Leas Mfg. Co., Moline, Ill.
Barry Co., Muscatine, Iowa
Batavia Engineering Works, Batavia, Ill.
Birmingham Iron Fdry., Derby, Conn.
Bond Chas. Co., 617 Arch, Phila., Pa.
BOND FOUNDRY & MACHINE CO., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Brightman Machine Co., Quincy & C. & P. Ry., Cleveland, O.
Brown A. & F. Co., 79 Barclay, New York
Caldwell H. W. & Son Co. ("Caldwell"), 17th & Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Carey W. W. Co., Lowell, Mass.
Chicago Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Cleveland Mill Supply Co., Guardian bldg, Cleveland, Ohio
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Cotton States Belting & Supply Co., Atlanta, Ga.
Delano E. A. Co., 1401 W North, Chicago, Ill.
Diamond Iron Works, 2nd & 18th av, N Minneapolis, Minn.
DODGE SALES & ENGINEERING CO. (Everything for the Mechanical transmission of power), Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
Fargo Foundry Co., Fargo, N. D.
Farrel Foundry & Machine Co., Ansonia, Conn.
Fawcus Machine Co. (Standard & Special Gear Drives), 2818-2828 Smallman, Pittsburgh, Pa.
*See adv index at end of book*
Filer & Stowell Co., Milwaukee, Wis.
FOOTE BROS. GEAR & MACHINE CO. (Speed Reducing), 210 N Carpenter, Chicago, Ill. *See adv index at end of book*
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
GANSCHOW WM. CO., 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
GODFREY-KEELER CO., 70 Warren, New York *See adv index at end of book*
Golden's Fdry. & Mach. Co., Columbus, Ga.
Gowanda Agricultural Works, Gowanda, N. Y.
Grace, C. M. & Co., Huntsville, Ala.
HILL CLUTCH CO., W 65th, Cleveland, O.
Hillard Clutch & Machy. Co. (Clutches), Elmira, N. Y.
Hoppen J. E. & Sons (Adjustable Shafting Hangers), 78 Main, Belleville, N. J.
*See adv index at end of book*
Holyoke Machine Co., Holyoke, Mass.
Howard Iron Works, Buffalo, N. Y.
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., North Adams, Mass.
Jones E. D. & Sons Co., Pittsfield, Mass.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
KENNEDY VAN SAUN MFG. & ENG. CORP., 120 Broadway, New York
*See adv index at end of book*
Klotz Machine Co., Sandusky, O.
Lane Mfg. Co., Montpelier, Vt.
Lane & Bodley Co., Tenn. av & Paddock rd, Cincinnati, O.
LINK-BELT CO., 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Marseilles Works of Deere & Co., East Moline, Ill.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
MEESE & GOTTFRIED CO., 660 Mission, San Francisco, Cal.
MESTA MACHINE CO., Box 1124 Pittsburgh, Pa. *See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Minster Machine Co., Minster, O.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Morse Chain Co., Ithaca, N. Y.
*See adv index at end of book*
Munson Mill Machinery Co., Utica, N. Y.
National Foundry Mfg. & Supply Co., Williamsport, Pa.
Naylor Bros., Peekskill, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., Buffalo, N. Y.
Phoenix Iron Works, E 3d & Hawthorne, Portland, Ore.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Plamondon A. Mfg. Co., 24 S Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Portland Iron Works, 14th & Northrup, Portland, Ore.
Pratt Engineering & Machine Co., Atlanta, Ga.
Premier Machinery Co., Oakland, Cal.
Pyott Co., 1401 W North av, Chicago, Ill.
Rhode Island Supply & Sprinkler Co. (Jobbers), 156 W Exchange, Providence, R. I
Royersford Foundry & Machine Co., Royersford, Pa.
Salem Foundry & Machine Works, Salem, Ohio
Schultz A. L. & Son, 1675 Elston av, Chicago, Ill.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Smidth F. L. & Co., 50 Church, New York
Smith Philip Mfg. Co., Sidney, O.
SMITH S. MORGAN CO., York, Pa.
*See adv index at end of book*
Sprout, Waldron & Co., Muncy, Pa.
Standard Pulley Co., 1734 Power, Cincinnati, Ohio
Standard Supply & Equipment Co., N W cor Cherry & 13th, Philadelphia, Pa.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Ticonderoga Machine Works, Ticonderoga, N. Y.
Trump Mfg. Co., Springfield, O.
Union Iron Works, Decatur, Ill.
Valley Iron Works, Williamsport, Pa.

Vonnegut Machy. Co., Indianapolis, Ind.
Walker Mfg. Co., Denver, Colo.
Washington Machinery Depot, Tacoma, Wash.
Waterbury Tool Co. ("Waterbury" Hydraulic Speed Gear, Variable), Waterbury, Conn.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Westlund C. G. Co. ("Westlund"), 498 Millbury, Worcester, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*
Yocom Jos. & Son, 145 N 2d, Phila., Pa.

## Power Transmitting Machinery (Belt Driven Lenix)

See Lenix

## Power Transmitting Machinery (Chain)

See Chains, Power Transmission

## 8847—Power Transmitting Machinery (Electric)

See also Generators, Various Kinds; also Motors, Various Kinds

Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Fulton Engine Wks., 1009 Alhambra, Los Angeles Cal.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 8848—Power Transmitting Machinery (Rope)

See also Power Transmitting Machinery

Barry Co., Muscatine, Iowa
Brown A. & F. Co., 79 Barclay, New York
Caldwell H. W. & Son Co. ("Caldwell"), 17th & Western av, Chicago, Ill.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
**HILL CLUTCH CO.**, W 65th, Cleveland, O.
Hunter James Machine Co., North Adams, Mass.
**LINK-BELT CO.** (Manila Rope, etc), 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Nordyke & Marmon Co. Kentucky av & Morris, Indianapolis, Ind.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Tamaqua Mfg. Co., Tamaqua, Pa.
Union Engineering Co., Cuyaboga & W 4th, Cleveland, O.
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wood's T. B. Sons Co., Chambersburg, Pa.

## 8849-50—Printers' Roller Making Machinery

Rowe James, 1058 W Harrison, Chicago, Ill.

## 8851—Printing Presses & Machinery

American Autopress Co., 261 W 36th, New York
American High Speed Press Co., 521 W. 23rd, New York
Anderson C. F. & Co., 710 S Clark, Chicago, Ill.
Autopress Co., 95 Madison av, New York
Babcock Printing Press Mfg. Co., New London, Conn.
Central Machine Co. (For Special Work), Niagara Falls, N. Y.
Challenge Machinery Co. ("Stonemetz," "Lee" & "Diamond" Cylinder Presses, Job Presses, etc), Grand Haven, Mich.
Chandler & Price Co., 6000 Carnegie av, Cleveland, O.
Cline Electric Mfg. Co. (Elect. Motors), Fisher bldg, Chicago, Ill.
Cottrell C. B. & Sons Co., Westerly, R. I.
Damon Geo. & Sons, 44 Beekman, New York
Dorman J. F. W. Co. ("Baltimorean" for Amateurs, 526 N Calvert, Baltimore, Md.
Droitcour & Eyserbach, Delphos, O.
Duplex Printing Press Co. (Newspaper Presses), Battle Creek, Mich.
Eardley Wm. F. & Bro., 138 Centre, New York
Feuerstein S. B. & Co., 542 W Jackson blvd, Chicago, Ill.
Fuller E. C. Co., 28 Reade, New York
Golding Mfg. Co., Franklin, Mass.
Goss Printing Press Co., 1535 S Paulina, Chicago, Ill.
Grammes L. F. & Sons (Machinery & Supplies), Allentown, Pa.
*See adv index at end of book*
Harris Automatic Press Co., E 71st, Cleveland, O.
Hart R. A., Battle Creek, Mich.
Hoe R. & Co., 504 Grand, New York
HUMANA COMPANY (Platen Press Feeders), 56 Summer av, Newark, N. J.
Johnson C. I. Mfg. Co., St. Paul, Minn.
Kelsey Press Co., Meriden, Conn.
Kelton's M. M. Son, 76 S 8th, Brooklyn, N. Y.
Kidder Press Co., Dover, N. H.
Krauth & Benninghofen, Hamilton, O.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Lisenby Mfg. Co. ("Mahlstedt" Multicolor), Fresno, Cal.
Miehle Printing Press & Mfg. Co. ("The Miehle"), 14th & Robey, Chicago, Ill.
Meisel Press Mfg. Co. (& Specialties), 942 Dorchester av, Boston, Mass.
Miller Saw-Trimmer Co. (Platen Press Feeders), Point bldg, Pittsburgh, Pa.
National Automatic Press Co., Lehighton, Pa.
National Machine Co. ("Hartford," "National" Presses), Hartford, Conn.
National Printing Machinery Co., Athol, Mass.
Newton James (Imp.), 116 Nassau, New York
Peerless Printing Press Co., Palmyra, N. Y.
Pollard-Alling Mfg. Co., 312 E 23d, New York
Premier & Potter Printing Press Mfg. Co., Shelton, Conn.
Printing Machinery Co. ("Sterling"), 3d & Lock, Cincinnati, Ohio
Rand, McNally & Co., 538 S Clark, Chicago, Ill.
Ray Bros. ("Webb" Presses Only), Ashland, Mass.
Regina Co. ("New Era"), 47 W 34th, New York
Scott Walter & Co., Plainfield, N. J.
Thomson J. Press Co., Nott av, Long Island City, N. Y.
United Printing Machinery Co., 100 Summer, Boston, Mass.
Wisconsin Foundry & Machine Co. ("Monona" Leverless Press), Madison, Wis.
Wood Newspaper Machinery Corp (Autoplate Machine for making Stereotype Plates, also Wet Newspaper Printing Presses), Plainfield, N. J.
Wrigley Thos. Co. (Print Press for Railroad Tickets), 504 Sherman, Chicago, Ill.
Ziegler Robt. & Sons, St. Louis, Mo.

## 8852—Printing & Punching Machines

Ohl Geo. A. & Co. (One Operation for Printing Punching Holes in Leather, Fibre, etc), 159 Oraton, Newark, N. J.

## 8853— Profiling Machines

Becker Milling Machine Co. ("Becker"), Hyde Park, Mass.
Garvin Machine Co., 147 Varick, New York
Newton Machine Tool Workers, 23rd & Vine, Phila., Pa.
Pratt & Whitney Co., Hartford, Conn.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Wade-American Tool Co. (Bench), 311 Atlantic av, Boston, Mass.

## 8853a— Projectile Machinery

See also Cold Saw Cutting-Off Machines; Drop Hammers; Lathes, Drilling Machines; Presses; Grinders, etc

Amalgamated Machinery Corp'n (Turning & Boring Machines), 72 W Adams, Chicago, Ill.
American Tool Works Co., Cincinnati, O.
Automatic Machine Co. (Shell Cutting-Off Machines), Bridgeport, Conn.
Boye & Emmes Machine Tool Co., Cincinnati, O.
Cleveland Automatic Machine Co., 2269 E 65th, Cleveland, O.
Curtis & Curtis Co. (Cutting-Off Machines), Bridgeport, Conn.
Espen-Lucas Machine Wks. (High Explosive Shell Machines, Shrapnel & High Explosive Shell Trimming Machines), 21 Girard av, Philadelphia, Pa.
Fitchburg Machine Works ("Lo Swing"), Fitchburg, Mass.
Gorton Geo. Machine Co. (Routing Machines for Cutting Powder Grooves), Racine, Wis.
Hydraulic Press Co. (Nosing & Banding Presses), Mt. Gilead, O.
Jones & Lamson, Springfield, Vt.
New Britain Machine Co. ("New Britain," Chucking Machines), 190 Chestnut, New Britain, Conn.
Newton Machine Tool Works (Cold Saws & Vertical Millers, 23d & Vine, Phila., Pa.
Potter & Johnston Machine Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
Reed-Prentice Co. (Lathes), 53 Franklin, Boston, Mass.
SPRAY ENGNG. CO. (Shell Coating Machines), 93 Federal, Boston, Mass.
*See adv index at end of book*
Thurlow Steel Works (Shell Undercutting & Waving Machines), Chester, Pa.
Wood R. D. & Co. (Presses), 400 Chestnut, Phila., Pa.

## 8854—Prospecting Machinery

Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Loomis Machine Co., Tiffin, O.
Sanderson-Cyclone Drill Co. ("Cyclone" Mineral), Orrville, Ohio
Thomson John Press Co., Nott av, Long Island City, N. Y.

## 8855—Pulley Balancing Machinery

Defiance Machine Works, Defiance, O.
Premier Machinery Co., Oakland, Cal.

## 8856—Pulley Boring & Turning Machines

See also Lathes, Pulley Turning

Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

## 8857—Pulley Drilling & Tapping Machines

Avery Drilling Machine Co., Cincinnati, O.
Delano E. A. Co., 1401 W North, Chicago, Ill.
Premier Machinery Co., Oakland, Cal.

## Pulley Molding Machines

See Molding Machines, Foundry

## 8858—Pulley Mortising Machines

Austin & Eddy ("Enterprise"), 117 Broad, Boston, Mass.
Millbury Machine Co. ("Enterprise"), Millbury, Mass.
Sloan Frank B. & Co. ("Norris"), 209 E Fayette, Baltimore, Md.
Smith & Phillips Mfg. Co., 1008 W Madison, Chicago, Ill.

## 8859—Pulp Drying Machines

Proctor & Schwartz, Inc., 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.

## 8860—Pulp Lining Machines

Beloit Iron Works, Beloit, Wis.

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## 8861—Pulp Making Machinery (Canners)

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y. *See adv index at end of book*
**Kern Wm. S., Wilkesbarre, Pa.**
Premier Machinery Co., Oakland, Cal.
**Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.**

## 8862—Pulp Washing Machines

**Baker Mfg. Corp. ("Worm"), Saratoga Springs, N. Y.**
Clark H. C. & Son Machine Co., Lee, Mass.
**Magnus A. Sons Co. ("Klein," "Simplex," Brewers, etc.), 327 W Randolph, Chicago, Ill.**

## Pulp Wood Barking Machines

See Wood Barking Machines

## 8863—Pulp Wood Chipping Machines

Holyoke Machine Co., Holyoke, Mass.
Mitts & Merrill (For Saw Mill Waste), Saginaw, Mich.
Waterville Iron Works, Waterville, Me.

## 8864—Pulp Wood Crushing Machines

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Waterville Iron Works, Waterville, Me.

## 8865—Pulp Wood Rechipping Machines

Mitts & Merrill (For Saw Mill Waste), Saginaw, Mich.
Waterville Iron Works, Waterville, Me.

## 8866—Pulp Wood Splitting Machines

Waterville Iron Works, Waterville, Me.

## 8867—Pulverizing Machinery

See also Mills, Grinding

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Abbe Paul O., 39 Broad, New York
**Acton Jno. (Borgardus Centrifugal Steel Roller Mills), 118 John, Brooklyn, N. Y.**
Aero Pulverizer Co., 120 B'way, New York
Allis-Chalmer Mfg. Co., Milwaukee, Wis.
**Alsing, J. R. Engng. Co., 75 Guernsey, Brooklyn, N. Y.**
**American Pulverizer Co., East St. Louis, Ill.**
Bailey-Burruss Mfg. Co., Atlanta, Ga.
**Bonnot Co., Canton, O.**
**Braddock Manufacturing Co., Braddock, Pa.**
**Bradley Pulverizer Co. ("Griffin Mill," "Bradley Three Roll Mill," "Bradley Hercules Mill") 92 State, Boston, Mass.**
Brainard Pulverizer Co., Old Colony bldg, Chicago, Ill.
Braun Corporation, 363 New High, Los Angeles, Cal.
**Buckeye Traction Ditching Co. The (Land Pulverizing), Findlay, O.**
**Burroughs Chas. Co., 141 Commercial. Newark, N. J.**
*See adv index at end of book*
**Campbell P. F. (For Fertilizer & Whiting Works, etc), 51 Laurel, Phila., Pa.**
Chalmers-Williams Mfg. Co., 1461 Arnold, **Chicago Heights, Ill.**
Crossley Machine Co. (For Clay Only), State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
**Eastern Machinery Co., New Haven, Conn.**
Excel Mfg. Co., Pottersville, N. J.
Fuller Lehigh Co. ("Fuller-Lehigh" Pulverizer), Fullerton, Pa.
*See adv index at end of book*
Gruendler Patent Crusher & Pulverizer Co., St. Louis, Mo.
Holmes & Blanchard Co. (Fertilizing), 31 State, Boston, Mass.
Iler Foundry & Mfg. Co. ("Iler"), 6605 St. Clair, Cleveland, Ohio
**JEFFREY MFG. CO.** (For the Reduction of All Kinds of Materials), **961 N Fourth, Columbus, O.**
*See adv index at end of book*
K. B. Pulverizer Co., Inc., 92 Lafayette, New York
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Kent Mill Co., 10 Rapelyea, Brooklyn, N. Y.
Knoxville Foundry & Machine Co. (For Lime), Knoxville, Tenn.
McLauthlin Geo. T. Co., 120 Fulton, Boston, Mass.
Mashek Engineering Co. (Coal, Asphalt, Pitch), 90 West, New York
Manitowoc Engineering Co., Manitowoc, Wis.
Midland Crusher-Pulverizer Co. ("Brainard"), **37 W Vanburen, Chicago, Ill.**
Mitts & Merrill, Saginaw, Mich.
Murray Co., Dallas, Tex.
Nebel M. A., 72 Grand av, Brooklyn, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Patterson Foundry & Mach. Co., E. Liverpool, O.
Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.
Pratt Engineering & Machine Co. (Complete Plants), Atlanta, Ga.
Raymond Bros. Impact Pulverizer Co. (Clay), 1346 North Branch, Chicago, Ill.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sackett A. J. (Fertilizing), cor 4th av & 1st, Baltimore, Md.
Smidth F. L. & Co., 50 Church, New York
Smith Theo. & Sons Co., ft Essex, Jersey City, N. J.
Standard Equipment Co. (For Cinders, Soft Rock, Coal, Ore, etc), 184 Church, New Haven, Conn.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
**STURTEVANT MILL CO.** ("Ring-Roll Mill," "Rock-Emery Mill"), Clayton & Park, Dorchester, Boston, Mass.
Thornburgh Mfg. Co., Bowling Green, O.
**THROPP'S JOHN E. SONS CO.** (Tube Mills), ft. of Lewis, Trenton, N. J.
*See adv index at end of book*
United Iron Works, Inc. ("Emerick"), Kansas City, Mo.
Walker & Elliott, Wilmington, Del.
**Williams Patent Crusher & Pulverizing Co., 813 Montgomery, St. Louis, Mo.**

## Pump Stock Boring Machines

See Wood Pipe Boring Machines

## 8868— Pumping Machinery

See also Engines, Pumping, Various Kinds; also Pumps, Various Kinds

Aldrich Pump Co., Allentown, Pa.
Adkins, Young & Allen Co. (Steam & Power), 561 Washington blvd, Chicago, Ill.
American Well Works, Aurora, Ill.
Aumen Machinery Co., 109 E Lombard, Baltimore, Md.
**DE LAVAL STEAM TURBINE CO., East** Trenton, N. J. *See adv index at end of book*
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Keystone Iron Works, 37th & Santa Fe av, Los Angeles, Cal.
Knowles Steam Pump Wks., 115 B'way, New York
United Iron Works Co., Kansas City, Mo.
**WORTHINGTON PUMP & MACHINERY CORP.** (Horizontal & Vertical Compound & Triple Expansion High Duty Cranes & Flywheel Pumping), 115 B'way, New York
*See adv index at end of book*

## 8869—Pumping Machines (Electric)

See also Pumps, Electric

Aldrich Pump Co., Allentown, Pa.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 8870—Pumping Machines (Gasoline)

Aldrich Pump Co., Allentown, Pa.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Van Nouhuys Machine Wks., Albany, N. Y.

## Pumping Machines (Horse Power)

See Pumping Outfits, Horse Power

## 8870a—Pumping Machines (Sugar House)

Aldrich Pump Co., Allentown, Pa.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 8871—Pumpkin Peeling & Seeding Machines

Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 8871a—Pumps & Pumping Machinery (All Kinds)

Aldrich Pump Co., Allentown, Pa.
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
San Diego Machine Co., San Diego, Cal.

## 8872—Punching, Beveling & Trimming Machines

**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Long & Allstatter Co. (For Boiler Plates, etc, with Hand & Automatic Spacing Table), Hamilton, O.
Schatz Mfg. Co. (Hand & Power), Poughkeepsie, N. Y.

## 8873—Punching Machines (Boiler-Makers')

Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
California Tool Works, 181 Beale, San Francisco, Cal.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, Ohio
Covington Machine Co., Covington, Va.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Henderer's A. L. Sons, Wilmington, Del.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
Kling Bros., Engineering Works, 1300 N. Kostner av, Chicago, Ill.
Long & Allstatter Co. (Heavy), Hamilton, O.
Mafreto Machine & Tool Co., Worcester, Mass.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Roberts Tools Co., Irvington, N. J.
Rock River Machine Co. ("Badger" Hand Power, etc), Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
Vulcan Engineering Sales Co., 1764 Elston av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.

## 8874—Punching Machines (Coping)

Hilles & Jones Co., E Wilmington, Del.
*See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.

## 8875—Punching Machines (Disc)

Long & Allstater Co. (Heavy), Hamilton, Ohio
Schatz Mfg. Co., Poughkeepsie, N. Y.

## 8876— Punching Machines for Light Metal, Paper, Etc.

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
Sterling Devices Co., 9 Leonard, New York

## Punching Machines (Gang)

See Punching Machines, Multiple

## 8877—Punching Machines (Horizontal)

See also Machinery, Punching & Shearing
Alliance Machine Co., Alliance, O.
Bertsch & Co., Cambridge City, Ind.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Covington Machine Co., Covington, Va.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Long & Allstatter Co. (Heavy), Hamilton, Ohio
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Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
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Whiting Geo. Co., 1719 Elston av, Chicago, Ill.
Wickes Bros., 512 N Tilden, Saginaw, Mich.
**Williams, White & Co., Moline, Ill.**

## 8878—Punching Machines (Hydraulic)

See also Machinery, Punching & Shearing
Alliance Machine Co., Alliance, O.
Chambersburg Engng. Co., Chambersburg, Pa.
Dudgeon Richard, 24 Columbia, New York
Henderer's A. L. Sons, Wilmington, Del.
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Wood W. H., Media, Pa.

## Punching Machines (Hydraulic, Manhole)

See Punching & Shearing Machines, Manhole

## 8879—Punching Machines (I-Beam)

Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Long & Allstatter Co. (& Coping), Hamilton, O.
Mafreto Machine & Tool Co., Worcester, Mass.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
Rock River Machine Co. ("Badger," Hand Power, etc), Janesville, Wis.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Whiting Geo. Co. (Beam Coping), 1719 Elston av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.

## 8880—Punching Machines (Multiple)

Alliance Machine Co., Alliance, O.
Barcroft Fred ("Barcroft," Lever), Madera, Cal.
Bertsch Co., Cambridge, Ind.
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Covington Machine Co., Covington, Va.
Excelsior Tool & Mach. Co., 32nd & Ridge, East St. Louis, Ill.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Long & Allstatter Co. (Also Heavy, for Splice Bars, etc), Hamilton, O.
Loy & Nowroth Co., 25 Runyon, Newark, N. J.
McSherry Mfg. Co., Pittsburgh, Pa.
Mackintosh Hemphill Co. (Heavy), ft. of 12th, Pittsburgh, Pa.
New Doty Mfg. Co., Janesville, Wis.
**NIAGARA MACHINE & TOOL WORKS.,** Buffalo, N. Y. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Perkins Machine Co., Warren, Mass.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Thomas Spacing Machine Co., Fulton Bldg, Pittsburgh, Pa.
Wells Frank L. Co. ("Wells" Punching Presses), Kenosha, Wis.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.
Wickes Bros., 512 N Tilden, Saginaw, Mich.
Williams, White & Co. (& Gate Shear), Moline, Ill.
Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

## 8881—Punching Machines (Rail)

Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Schatz Mfg. Co., Poughkeepsie, N. Y.

## 8882—Punching Machines (Rotary)

Whitney Metal Tool Co., Rockford, Ill.

## 8883—Punching Machines (Screw)

Bertsch & Co., Cambridge, City, Ind.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Henderer's A. L. Sons, Wilmington, Del.
Irving Mfg. & Tool Co., 157 Chambers, New York
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
New Doty Mfg. Co., Janesville, Wis.
Perkins Machine Co., Warren, Mass.
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.

## 8884—Punching Machines (Stiles)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 8885—Punching Machines (Structural Steel)

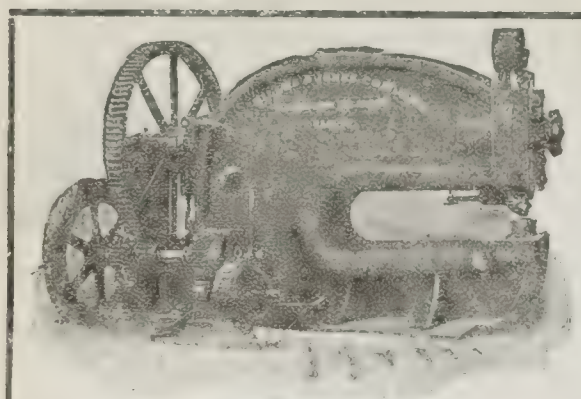
Braun J. G., 609 S Paulina, Chicago, Ill.
Covington Machine Co., Covington, Va.
Dudgeon Richard, 24 Columbia, New York
Ironton Punch & Shear Co., Ironton, O.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.

## 8886—Punching & Cutting Machines (Combined)

Braun J. G., 609 S Paulina, Chicago, Ill.
Ironton Punch & Shear Co., Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Schatz Mfg. Co., Poughkeepsie, N. Y.

## 8887—Punching & Shearing Machinery

See also Punching Machines, Various Kinds; also Shears, Various Kinds
Alliance Machine Co., Alliance, O.



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Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Covington Machine Co. ("C. C. Wais" Patent), Covington, Va.
Evans' Jno. Sons (Heavy), 506 N 13th, Phila., Pa.
Excelsior Tool & Mach. Co., 32d & Ridge, East St. Louis, Ill.
Ferracute Machine Co., Bridgeton, N. J.
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hendley & Whitlemore Co., Beloit, Wis.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Kane & Roach (Carriage Makers, etc), Syracuse, N. Y.
Kidder J. F. Mfg. Co., Burlington, Vt.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Lewthwaite T. H. Machine Co. (Power, Hand & Foot), 413 E 31st, New York
Little Giant Punch & Shear Co. ("Little Giant" Hand), Sparta, Ill.
Long & Allstatter Co. (Single & Double End, Deep Throat, etc), Hamilton, O.
Luther Mfg. Co., Olean, N. Y.
McSherry Mfg. Co., Pittsburgh, Pa.
Mafreto Machine & Tool Co., Worcester, Mass.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Mills & Merrill, Saginaw, Mich.
**MORGAN ENGINEERING CO.** (Electric, Hydraulic, Steam & Power), Alliance, Ohio. *See adv index at end of book*
New Doty Mfg. Co., Janesville, Wis.
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y.
*See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
Perkins Machine Co., Warren, Mass.
Robinson J. M. Mfg. Co., 3382 Spring Grove av, Cincinnati, O.
Rock River Machine Co. (Belt or Motor Driven), Janesville, Wis.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Union Mfg. Co. (Hand Operated Only), 300 Church, New Britain, Conn.
*See adv index at end of book*
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.
Vulcan Engineering Sales Co. ("Vulcan"), 1764 Elston av, Chicago, Ill.
**WATSON-STILLMAN CO.** (Hydraulic, etc), 38 Church, New York
*See adv index at end of book*
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.
Wickes Bros., 512 Tilden, Saginaw, Mich.
Williams, White & Co., Moline, Ill.
Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.
Wood Wm. H., Media, Pa.

### 8888—Punching & Shearing Machines (Combined)

Braun J. G., 609 S Paulina, Chicago, Ill.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Clark Foundry Co., Rumford, Me.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, P.
Hendley & Whitlemore Co. ("Beloit" Single and Double End), Beloit, Wis.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Mafreto Machine & Tool Co., Worcester, Mass.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y.
*See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Wickes Bros., 512 Tilden, Saginaw, Mich.

### 8889—Punching & Shearing Machines (Double End)

Braun J. G., 609 S Paulina, Chicago, Ill.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hilles & Jones Co., E Wilmington, Del.
*See adv index at end of book*
Ironton Punch & Shear Co. (Heavy Power), Ironton, O.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
**MORGAN ENGINEERING CO.** (Belt Driven, etc), Alliance, O.
*See adv index at end of book*
Rock River Machine Co. ("Badger"), Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Wickes Bros., 512 Tilden, Saginaw, Mich.
Williams, White & Co., Moline, Ill.

### 8890—Punching & Shearing Machines (Manhole)

Braun J. G., 609 S Paulina, Chicago, Ill.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
**MORGAN ENGINEERING CO.** (Hydraulic), Alliance, O.
*See adv index at end of book*
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

### 8891—Punching & Shearing Machines (Plate Work)

Braun J. G., 609 S Paulina, Chicago, Ill.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.

### 8892—Punching & Shearing & Bar Cutter Machines (Combined)

Braun J. G., 609 S Paulina, Chicago, Ill.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Massillon Foundry & Machine Co., Massillon, O.
Rock River Machine Co. ("Badger," Hand Power, etc), Jamesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.

### Quarrying Machinery & Supplies

See the Specific Article Required. If not classified, write us for information desired

### 8893— Quartering Machines

Niles-Bement-Pond Co. (Wheel), 111 B'way, New York

### 8894— Quilting Machines

Lutz Co., Inc. ("Lutz), 31st, Grays Ferry av, Phila., Pa.

### 8895—Rack Cutting Machines

Bilton Machine Tool Co. (The) ("Bilton") (Automatic), Bridgeport, Conn.
Gould & Eberhardt, 97 N. J. RR. av, Newark, N. J.
LeBlond R. K. Mach. Tool Co., Cincinnati, O.
Walcott Lathe Co. (36x8, 60x10 & 96x10 in), Jackson, Mich.

### 8896— Radiator Machinery

Bryant O. & Sons, 1407 West av, Buffalo, N. Y.

### 8897—Rag Cutting Machines

Black-Clawson Co., Hamilton, O.
Clark H. C. & Son Mach. Co., Lee, Mass.
Daniels Machine Co., S. Royalton, Vt.
Holyoke Machine Co., Holyoke, Mass.
Mills Machine Co., Lawrence, Mass.
Noble & Wood Mach. Co., Hoosick Falls, N. Y.

Norwood Engineering Co., Florence, Mass.
Perkins B. F. & Son ("Coburn-Taylor"), Holyoke, Mass.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Sandy Hill Iron & Brass Works (For Rag, Rope & Jute), Hudson Falls, N. Y.
Taylor, Stiles & Co., Riegelsville, N. J.

## 8898—Rag Thrashing Machines

Noble & Wood Mach. Co., Hoosick Falls, N. Y.
Norwood Engineering Co., Florence, Mass.

## 8899—Rail Bending & Straightening Machines

See also Benders, Rail

Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Hydraulic Press Mfg. Co. ((Hydraulic), Mt. Gilead, O.
Kalamazoo R'y Supply Co., Kalamazoo, Mich.
Kane & Roach, Syracuse, N. Y.
Niles-Bement-Pond Co., 111 B'way, New York
United Engineering & Foundry Co. (Vertical for Rolling Mills), Keenan bldg, Pittsburgh, Pa.
**WATSON-STILLMAN CO.** (Hydraulic), 38 Church, New York
*See adv index at end of book*
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 8900—Rail Cutting Machines

**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

## 8901—Rail Ending Machines

Newton Machine Tool Works, 23d & Vine, Phila., Pa.

## 8902—Rail Sawing Machines

See also Cold-Saw Cutting-Off Machines; also Hot Sawing Machines

**Aldon Co. ("Aldon" Portable Rail Saws)**, 3338 W Ravenswood av, Chicago, Ill.
Espen-Lucas Mach. Wks., Girard av, Phila., Pa.
Fox Bros. & Co., 126 Lafayette, New York
Highley Machine Co., Croton Falls, N. Y.
Industrial Works, Bay City, Mich.
National Surface Guard Co., 343 S Dearborn, Chicago, Ill.
Newton Machine Tool Works, 23rd & Vine, **Phila., Pa.**
**Q. & C. Co. ("Q. & C."), Portable Hand Power)**, 90 West, New York
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Track Necessities Co. ("Schmidt" Hand **Hack Saws), 343 S Dearborn, Chicago, Ill.**

## 8903—Railroad Cross Tie Machines

Greenlee Bros. & Co. (Automatic), Rock**ford, Ill.**
Salem Iron Works, Salem, N. C.
Standard Cross Tie Machine Co., New Orleans, La.

## 8903a—*Railroad Machinery (Metal Working)

**HERBERT ALFRED LTD.**, 54 Dey, New York *See adv index at end of book*

## 8904—Railroad Track Laying Machines

Hicks Geo. F. H. ("Harris"), 455 Lafayette, Chicago, Ill.
**Roberts Bros., 17 N La Salle, Chicago, Ill.**

## 8905— Raisin Machinery

Fresno Agricultural Wks., Fresno, Cal.

## 8906—Rattan Weaving Machinery

Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*

## 8907—Reaming, Counterboring & Tapping Machines (Combined)

Pottstown Machine Co., Pottstown, Pa.

## 8908— Reaming Machines

American Machine Products Co., 18th & Howard, Detroit, Mich.
Busch J. C. Co. ("Milwaukee" Drill & Reamer), 140 Ferry, Milwaukee, Wis.
**LAKESIDE BRIDGE & STEEL CO.**, North Milwaukee, Wis.
*See adv index at end of book*
Pratt & Whitney Co,, Hartford, Conn.
**Stow Mfg. Co., Binghamton, N. Y.**
*See adv index at end of book*

## 8909—Reaming Machines (Pipe Socket)

Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

## 8909a— Rebuilt Machinery

Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

## 8910—Reclamation Machinery

Haslehurst W. W., 2122 Folsom, San Francisco, Cal.
Krogh Pump & Machy. Co., 147 Beale, San Francisco, Cal.

## Reducing Machines

See Swaging Machines

## Refrigerating Machinery

See Ice & Refrigerating Machines

## Registering Machines

See Counting Machines

## 8911— Relasting Machines

Gallagher Mfg. Co., Lynn, Mass.

## 8912— Rendering Machinery

Brecht Co., 1201 Cass av, St. Louis, Mo.
Dayton Beater & Hoist Co., Dayton, O.
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Lard, Oleo, etc.), Mt. Gilead, O.
Joubert & Goslin Mach. & Fdry. Co., Birmingham, Ala.
**WASTE SAVING MACHINE CO., Real Estate Trust bldg, Philadelphia, Pa.**

## 8913— Re-Seating Machines

See also Valve Re-Seating Machines

Lagonda Mfg. Co. (For Cleaning Faces, Nuts & Caps of Boiler Tubes), Springfield, O.

## Rice Cleaning Machinery

See Coffee & Rice Cleaning Machinery

## 8914— Rice Mill Machinery

Bahmann Iron Works Co., Cincinnati, O.
Barnhard & Leas Mfg. Co. (Separators, Graders, Clippers, etc), Moline, Ill.
Blymer Iron Works Co., Cincinnati, O.
Howes S. Co. "Eureka" Graders, Cleaners, Separators, Clippers & Polishers), Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Graders, Cleaners, Separators, Clippers, Polishers), Silver Creek. N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sprout, Waldron & Co., Muncy, Pa.

## 8915—Rice & Coffee Hulling Machinery

**Barnard & Leas Mfg. Co. (Rice), Moline, Ill.**
**Blymyer Iron Works Co., Cincinnati, O.**
**Dines Wm. L., Jr. Co. ("Willmarc" Coffee), Worcester, Mass.**
**Engelberg Huller Co., Syracuse, N. Y.**
Mason Marcus & Co., Inc., 201 Devonshire, Boston, Mass.
Nordyke & Marion Co., Kentucky av & Morris, Indianapolis, Ind.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.

## 8915a—Rifle Barrel Drilling & Reaming Machines

New England Westinghouse Co., Springfield, Mass.

## 8916—Rift Flooring Machines

Filer & Stowell Co. ("Cunningham," "Stowell"), Milwaukee, Wis.

## 8917—Rim Bending Machines

Defiance Machine Works, Defiance, O.

## Rim Machines

See Hub, Spoke & Rim Machinery

## 8918—Ring Forming Machines (Automatic)

**AMERICAN CAN CO.** (Machinery Dept.) ("Rudolphi & Krummel"), Monroe bldg, Chicago, Ill.
*See adv index at end of book*

## 8919—Ring & Loop Machinery

Reed Mfg. Co., Springfield, O.
Special Machinery Co. (Automatic), Bridgeport, Conn.

## 8920— Rip Saw Machines

American Saw Mill Machinery Co., Hackettstown, N. J.
American Woodworking Machinery Co., Rochester, N. Y.
Barnes W. F. & Jno. Co., Rockford, Ill.
Beach Mfg. Co., Montrose, Pa.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works (Hand & Power Feed), Defiance, O.
Falls Machine Co., Sheboygan Falls, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Fischer Machine Works (Self Feed), 1845 Carroll av, Chicago, Ill.
Garland M. Co., Bay City, Mich.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Greenlee Bros. & Co. (Self Feed), Rockford, Ill.
Hall & Brown Woodworking Machine Co. (Iron Frame), 1929-33 N B'way, St. Louis, Mo. *See adv index at end of book*
Hermance Machine Co. (Adjustable Roll Self-Feed), Williamsport, Pa.
Holmes E. & B. Machinery Co., Buffalo, N. Y.
Jones Superior Machine Co. ("Superior" self-Feed, etc), 1264 W North av, Chicago, Ill.
Marston J. M. & Co. (Foot Power), 226 Ruggles, Boston, Mass.
Mershon W. B. & Co., Saginaw, Mich.
Newman Machine Co., Greensboro, N. C.
Ober Mfg. Co. (Self-Feed), Chagrin Falls, Ohio
Oliver Machinery Co. ("Oliver" Rip & Cut-Off Saws), Grand Rapids, Mich.
Power L. & Co. (Self-Feed), Phila., Pa.
Root B. M. Co., York, Pa.
Sidney Machine Tool Co., Sidney, O.
**SINKER-DAVIS CO.** ("Hoosier" Self-Feed), Indianapolis, Ind.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
West Side Iron Works, Grand Rapids, Mich.
Woods Engineering Co. ("Hick," Self-Feed & Automatic Return), Alliance, O.
Yates P. B. Machine Co., Beloit, Wis.

## 8920a— Rivet Cutting

Rivet Cutting Gun Co., 116 E Third, Cincinnati, O.

## 8921—Rivet Heading Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co. (Automatic & Hand Feed), 3830 Lakeside av, Cleveland, O.
Cook Asa S. Co. (Single Blow Only), Hartford, Conn.
Manville E. J. Machine Co., Waterbury, Conn.
National Machinery Co., Tiffin, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## 8922— Rivet Machinery

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co. (Automatic & Hand Feed), 3830 Lakeside av, Cleveland, O.
Atlas Machine Co., Waterbury, Conn.
Coulter & McKenzie Mach. Co., Bridgeport, Conn.
Draher Jno., Waterbury, Conn.
Manville E. J. Mach. Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## 8923—Rivet Spinning Machines

Grant Mfg. & Machine Co. ("Grant"), Bridgeport, Conn.
Stecher Chas. Co. ("High Speed"), 1580 Crossing, Chicago, Ill.
Wilcor Mfg. Co., 4824 W Lake, Chicago, Ill.

## 8924—Rivet & Hook Applying Machines

Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.

## 8925—Rivet & Staple Setting Machines

Standard Rivet Co., 41 Lincoln, Boston, Mass.
Thomson Judson L. Mfg. Co. (Automatic Driving & Setting), Waltham, Mass.

## 8926— Riveting Machines

See also Pneumatic Riveters

**ALLEN JOHN F. CO.,** 370 Gerard av, New York
Bilton Machine Tool Co. (The) ("Bilton"), Bridgeport, Conn.
Blomquist-Eck Machine Co., 1146 E 152d, Cleveland, Ohio
Coates Clipper Mfg. Co. (Portable, Electric Driven), Worcester, Mass.
Grant Mfg. & Mach. Co. ("Grant" Vibrator), Bridgeport, Conn.
High Speed Hammer Co., Inc., 313 Norton, Rochester, N. Y.
**HILLES & JONES CO.,** (Power), East Wilmington, Del.
*See adv index at end of book*
Kane & Roach, Syracuse, N. Y.
Long & Allstatter Co., Hamilton, O.
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS** (Sheet Metal), Buffalo, N. Y.
*See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Pawtucket Mfg. Co., Pawtucket, R. I.
Perkins Mach. Co. (Power), Warren, Mass.
Rock River Machine Co. ("Badger," Hand Power, etc), Janesville, Wis.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
**SHUSTER F. B. CO.** (Elastic Rotary Blow, etc), Cedar Hills, New Haven, Conn. *See adv index at end of book*
Star Heel Plate Co. ("Clincher"), Wilson av, Newark, N. J.
Townsend H. P. Mfg. Co. (Multi-Blow High Speed), Hartford, Conn.
Whiting Geo. Co. (Belt Power), 1719 Elston av, Chicago, Ill.
Wickes Bros., Saginaw, Mich.
Williams, White & Co., Moline, Ill

## 8927-8—Riveting Machines (Electric)

Eveland Electric Riveter Co., W End Tr. bldg, Phila., Pa.
New England Machinery Co., New Haven, Conn.
Thomson Electric Welding Co. ("Thompson"), Lynn, Mass.

## 8929—Riveting Machines (Hand)

**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th, New York.
*See adv index at end of book*
Fate-Root-Heath Co. ("Ideal," "Plymouth Rock"), Plymouth, O.
Smith F. H. Mfg. Co. ("Best Yet," "Improved Sight Feed," "Pony," "Rex," "Simplex," Hand & Foot Power for Tubular or Bifurcated Harness & Shoe Riveting, etc), 3047 Carroll av, Chicago, Ill.
Williams A. C. Co. ("Tom-Thumb," "Acme," "Handy," "Uncle Sam," "Little Giant"), Ravenna, O.

## 8930—Riveting Machines (Hoop)

Strait H. N. Mfg. Co., Kansas City, Kans.

## 8931—Riveting Machines (Hydraulic)

Alliance Machine Co., Alliance, O.
Chambersburg Engng. Co., Chambersburg, Pa.
**MORGAN ENGINEERING CO.** (Solid Stake, Loose Head; also Two-Piece Stake, etc), Alliance, O.
*See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Wood W. H., Media, Pa.

## 8932-3—Riveting Machines (Hydraulic Lifting)

Wood R. D. & Co., 400 Chestnut, Phila, Pa.

## Riveting Machines (Pneumatic)

See Pneumatic Riveters

## 8934—Riveting Machines (Portable)

See also Pneumatic Riveters

Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.
Wood Wm. H., Media, Pa.

## 8935—Riveting Machines (Rotary Blow)

Bilton Machine Tool Co. (The) ("Bilton"), Bridgeport, Conn.
High Speed Hammer Co., Inc. (Elastic), 313 Norton, Rochester, N. Y.
**SHUSTER F. B. CO. (Elastic), Cedar Hills, New Haven, Conn.**
*See adv index at end of book*

## 8936—Riveting Machines (Spoke)

Williams, White & Co., Moline, Ill.

## 8937—Riveting Machines (Stake)

Hilles & Jones Co., E Wilmington, Del.
*See adv index at end of book*
Rock River Machine Co. ("Badger"), Janesville, Wis.
Wickes Bros., Saginaw, Mich.

## 8938-9—Riveting Machines (Steam)

**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York

## Road Making Machinery

See Asphalt Machinery: Concrete Mixers; Ditching Machines; Plows, Contractors'; Road Machines & Graders; Road Scrapers, Drag & Wheel; Rock & Ore Crushers; Rollers, Steam Road
For all other Road Making Specialties, see Index of Contents

## 8940—Rock Drill Sharpening Machines

See also Drill Sharpening Machines

**INGERSOLL-RAND CO.** ("Leyner"), 11 B'way, New York
*See adv index at end of book*

## 8941—Rocker Cut-Off Sawing Machines

Connell & Dengler Mach. Co., Rochester, N. Y.

## 8942—Rod Heading Machines

Manville E. J. Machine Co., Waterbury, Conn.
National Machy. Co., Tiffin, O.

## 8942a—*Rod Mill Machinery

Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.

## 8943—Rod or Bar Drawing Machines

Brightman Mfg. Co., Columbus, O.
Morgan Construction Co., Worcester, Mass.

## 8944—Rod, Pin & Dowel Machines

American Wood Working Machinery Co., Rochester, N. Y.
Baker Bros., Toledo, O.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Dauber Bell Machine Co., Oshkosh, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Goodspeed Machine Co., Winchendon, Mass.
Howker W. S. Mfg. Co., 458 E Bacon, Dayton, O.
Jenkins Machine Co. (Dowel Boring Machines), Sheboygan, Wis.
Ober Mfg. Co., Chagrin Falls, O.
Pringle & Brodie, 514 S Canal, Chicago, Ill.
Smith H. B. Machine Co., Smithville, N. J.
Trevor Mfg. Co., Lockport, N. Y.
Valley City Machine Works, Grand Rapids, Mich.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.

## 8945—Rod & Tube Drawing Machines

Richard Mfg. Co., Bloomsburg, Pa.

## 8946—Rod & Tube Pointing Machines

Morgan Construction Co., Worcester. Mass.
**TORRINGTON CO., THE, EXCELSIOR PLANT** (Successor to Excelsior Needle Co.) ("Dayton"), Torrington, Conn.
*See adv index at end of book*

## 8947—Roll Covering Machines

Turner J. S. Mfg. Co., Lowell, Mass.

## 8948—Roll Grooving Machines

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Morgan Construction Co., Worcester, Mass.
Pratt & Whitney Co., Hartford, Conn.

## 8948a—*Roll-Over Machines

Osborn Mfg. Co. ("Osborn," Moulding, Hand & Power), 5401 Hamilton av, Cleveland, O.
*See adv index at end of book*

OSBORN MOULDING MACHINES

## 8949—Roll Straightening & Finishing Machines

Brightman Mfg. Co., Columbus, O.

## 8950—Roll Threading Machines

National Machinery Co. (Vertical), Tiffin, Ohio

## 8951—Rolling Mill Machinery

See also Tin Plate Mill Machinery, etc.

Aetna Foundry & Machine Co., Warren, O.
Alliance Machine Co., Alliance, O.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Bertsch & Co., Cambridge City, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Birmingham Iron Foundry, Derby, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*

Bruce-Macbeth Engine Co., Cleveland, O.
Cleveland Machine & Mfg. Co., 4944 Hamilton av, Cleveland, O.
Danville Iron & Steel Co., Danville, Pa.
Elyria Machine Co., Elyria, Ohio
Farrel Foundry & Machine Co. (For Brass, Copper, Zinc, Brittania, etc), Ansonia, Conn.
Fawcus Machine Co. (Gears & Special Machinery), 2818-2828 Smallman, Pittsburgh, Pa. *See adv index at end of book*
Ferracute Machine Co. (For Coining Strips), Bridgeton, N. J.
Garrison A. Foundry Co. (Seamless Tube), 901 Bingham, Pittsburgh, Pa.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Hubbard Steel Foundry Co., East Chicago, Ind.
Hyde Park Foundry & Machine Co., Hyde Park, Pa.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Lewis Foundry & Machine Co., Farmer's Bank bldg, Pittsburgh, Pa.
Mackintosh, Hemphill Co., ft. of 12th, Pittsburgh, Pa.
Mesta Machine Co., Pittsburgh, Pa.
*See adv index at end of book*


ROLLING MILLS
For Any Kind of Service
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.


Morgan Construction Co., Worcester, Mass.
**MORGAN ENGINEERING CO.**, Alliance, Ohio *See adv index at end of book*
National Roll & Foundry Co. (For Sheet & Tin Plate Mills), Avonmore, Pa.
Newbold R. S. & Son Co., Norristown, Pa.
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
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Poole Engineering & Machine Co., Woodberry sta., Baltimore, Md.
Reading Iron Co. (The), Reading, Pa.
Reeves Bros. Co., Alliance, O.
*See adv index at end of book*
Rosedale Foundry & Machine Co., Columbus & Preble, Pittsburgh, Pa.
Seaman-Sleeth Co. (Sand & Chilled Rolls Only), 41 & Willow, Pittsburgh, Pa.
Southwark Foundry & Machine Co., 400 Washington av, Phila, Pa.
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Standard Engineering Co., Ellwood City, Pa.
Sterritt-Thomas Foundry Co., 32d & Smallman, Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Treadwell Engineering Co., Easton, Pa.
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**UNITED MACHINE & MFG. CO.** (Special), Canton, O.
United Roll & Foundry Co., Ravenna, O.
Weimer Machine Works Co., Lebanon, Pa.
Wellman-Seaver-Morgan Co., Cleveland O. *See adv index at end of book*
Wheeling Mold & Foundry Co., Wheeling, W. Va.
Woodard Machine Co., Wooster, O.
Youngstown Engineering Co., Youngstown, O.
Youngstown Foundry & Machine Co., Youngstown, O.

## 8952— Roofing Machines

Burritt O. W. & Bro., Weedsport, N. Y.
Guyton & Cumfer Mfg. Co., 4451 Fillmore, Chicago, Ill.
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y. *See adv index at end of book*

## 8953—Roofing Paper Machines

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Haberkamp Wm. Machine Works (Two or Three Ply), 442 Wells, Chicago, Ill
Moore & White Co., N 15th & Lehigh av., Phila., Pa.

## 8954—Roofing Tile Cutting Machines

American Clay Machinery Co., S Walnut Bucyrus, O. *See adv index at end of book*

## 8955—Roofing Tile Machinery

American Clay Machinery Co., S Walnut Bucyrus, O. *See adv index at end of book*
Fate-Root-Heath Co., Plymouth, O.
International Clay Machy. Co., Dayton, O.

## 8956—Rope Moulding Machines

Valley City Mach. Works, Grand Rapids, Mich.

## Rope Transmitting Machinery

See Power Transmitting Machinery, Rope

## Rope & Twine Machinery

See Cordage Machinery

## 8957—Rosette & Corner Block Machines

Pringle & Brodie, 514 S Canal, Chicago, Ill.
Valley City Mach. Works, Grand Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

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Kidder Press Co., Dover, N. H.

## 8959—Round Cornering Machines

Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.
Seybold Machine Co. ("Seybold"), Dayton, O.
Southworth Machine Co. ("Sterling" for Round Cornering Booklets, Catalogs, etc., also Attachments for Loose Leaf Punching), Portland, Me.

## 8960— Routing Machines

Automatic Engraving & Mfg. Co., Inc., 2033 5th av, New York
Becker Milling Machine Co. (Die Sinkers), Hyde Park, Mass.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Kelley Electric Machine Co. ("Kelley" Electric), Buffalo, N. Y.
Porter C. O. Machy. Co., Grand Rapids Mich. *See adv index at end of book*
Royle Jno. & Sons (Die Sinkers), Paterson, N. J.
Smith H. B. Machine Co., Smithville, N. J.
Valley City Mach. Works, Grand Rapids Mich.

## 8961—Rubber Band Cutting Machines

Adamson Machine Co., Akron, O.
*See adv index at end of book*
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

## 8962—Rubber Belt Making Machinery

Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.

## 8963—Rubber Belt Slitting Machines

Farrel Foundry & Machine Co., Ansonia, Conn.

## 8964—Rubber Belt Stretching Machines

Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.

## 8965—Rubber Calendering Machines

**ADAMSON MACHINE CO.**, Akron, O.
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Farrel Foundry & Machine Co., Ansonia, Conn.
Lobdell Car Wheel Co., Wilmington, Del.
Thropp Wm. R. & Sons Co., Trenton, N. J.
United Roll & Foundry Co., Ravenna, O.
**VAUGHN MACHINERY CO.** ("Vaughn"), Cuyahoga Falls, Ohio.
*See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 8966—Rubber Cement Mixing Machines

American Tool & Machine Co., 10 High, Boston, Mass.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Quin Roy D, Willoughby, Ohio

## 8966a—Rubber Covered Wire Panning Machines

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## 8967—Rubber Doubling Machines

American Tool & Machine Co. (For Automobile Cloths, Waterproofing), 10 High, Boston, Mass.
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Farrel Foundry & Machine Co., Ansonia, Conn.
United Roll & Foundry Co., Ravenna, O.

## 8968—Rubber Grinding & Mixing Machines

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
**Farrel Foundry & Machine Co., Ansonia, Conn.**
Lobdell Car Wheel Co., Wilmington, Del.
Thropp Wm. R. & Sons Co., Trenton, N. J.
**THROPP'S JNO. E. SONS CO.**, ft of Lewis, Trenton, N. J.
*See adv index at end of book*
Vaughn Machinery Co. ("Vaughn"), Cuyahoga Falls, O.
*See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 8969—Rubber Hose Braiding Machines

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Textile Machine Works, Reading, Pa.

## 8970—Rubber Hose Making Machines

Adamson Machine Co., Akron, O.
*See adv index at end of book*
Baker Wm. H., Trenton, N. J.
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### 8972—Rubber Mill Machinery

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Biggs Boiler Works Co., Case av & Williams, Akron, O. *See adv index at end of book*
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Clark Edred W. (For Making Carriage Tires, Wire Covering), Hartford, Conn.
Elyria Machine Co., Elyria, O.
Farrel Foundry & Machine Co., Ansonia, Conn.
Franklin Machine Co. (Ball Bearing Shoe Cars, Shoe Pins, Shoe Stands & Shoe Sticks), 1 Park, Providence, R. I. *See adv index at end of book*
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Mackenzie's Duncan Sons Co., Trenton, N. J.
Philadelphia Roll & Mach. Co., 25th & Washington av., Phila., Pa.
Thropp Wm. R. & Sons Co., Trenton, N. J.
**THROPP'S JOHN E. SONS CO.** (Complete Line of Rubber Mill Machinery), ft of Lewis, Trenton, N. J. *See adv index at end of book*
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United Roll & Foundry Co., Ravenna, O.
**VAUGHN MACHINERY CO.** ("Vaughn" Equipment), Cuyahoga Falls, O. *See adv index at end of book*
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Day J. H. Co., Cincinnati, O.
Palmer Equipment Corp., 2741 Clybourn, Chicago, Ill.

### 8974—Rubber Reclaiming Machinery

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American Process Co., 68 William, New York
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Milts & Merrill, Saginaw, Mich.
Palmer Equipt Corpn, Railway Exchange Bldg, Chicago, Ill.
Royle Jno. & Sons, Paterson, N. J.

### 8975—Rubber Refining Machines

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Thropp Wm. R. & Sons Co., Trenton, N. J.

### 8976—Rubber Shoddy Washing Machines

Baker Wm. H., Trenton, N. J.

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Cameron Machine Co., 61 Poplar, Brooklyn, N. Y.

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New England Butt Co., 304 Pearl, Providence, R. I.

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### 8981—Rubber Strip Cutting Machines

New England Butt Co., 304 Pearl Providence, R. I.

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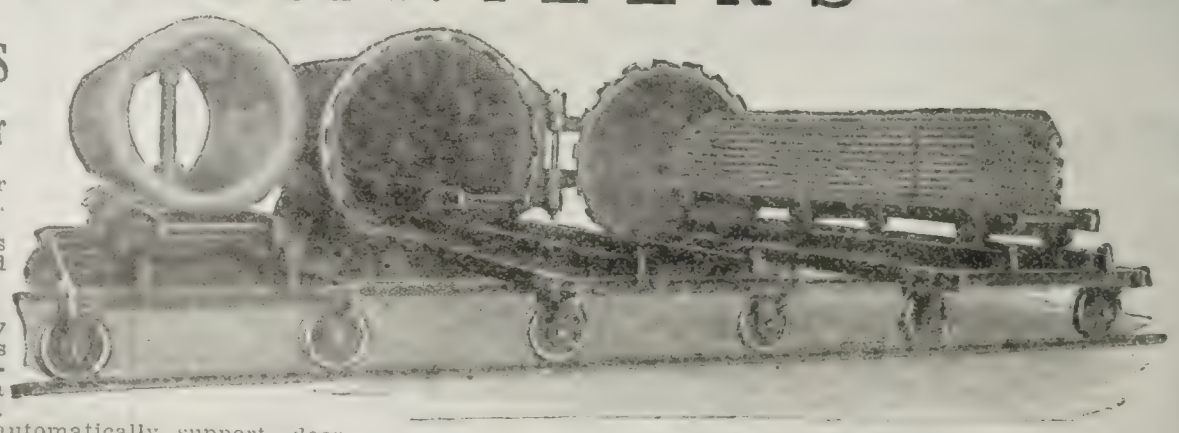

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Elyria Machine Co., Elyria, O.
Royle Jno. & Sons, Paterson, N. J.
**THROPP'S JNO. E. SONS CO.,** ft of Lewis, Trenton, N. J.
*See adv index at end of book*

### 8984—Rubber Tube Making Machines

Adamson Machine Co., Akron, O.
*See adv index at end of book*
Allen Machine Co., Erie, Pa.
Clark Edred W., Hartford, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.
Royle Jno. & Sons, Paterson, N. J.

### 8985—Rubber Tubing Machines

Allen Machine Co., Erie, Pa.
Clark Edred W., Hartford, Conn.
Housatonic Mach. & Tool Co., Bridgeport, Conn.
Royle John & Sons, Paterson, N. J.
United Roll & Foundry Co., Ravenna, O.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

### 8986—Rubber Varnishing Machines

Birmingham Iron Foundry ("Birmingham"), Derby, Conn.

### 8987—Rubber Vulcanizing Machines

**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O.
*See adv index at end of book*
**WILLIAMS FOUNDRY & MACHINE CO.** ("Akron-Williams"), Akron, Ohio
*See adv index at end of book*

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Palmer Equip't Corpn, 2741 Clybourn, Chicago, Ill.
Thropp Wm. R. & Sons Co., Trenton, N. J.

### 8989—Rubber Washing Machines

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Farrel Foundry & Machine Co., Ansonia, Conn.
Thropp Wm. R. & Sons Co., Trenton, N. J.
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*See adv index at end of book*
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*See adv index at end of book*

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Anderson Bros. Mfg. Co., Rockford, Ill.
**PAASCHE AIR BRUSH CO.,** 1249 Washington blvd, Chicago, Ill.
Rockford Tool Co., Rockford, Ill.


# VAUGHN

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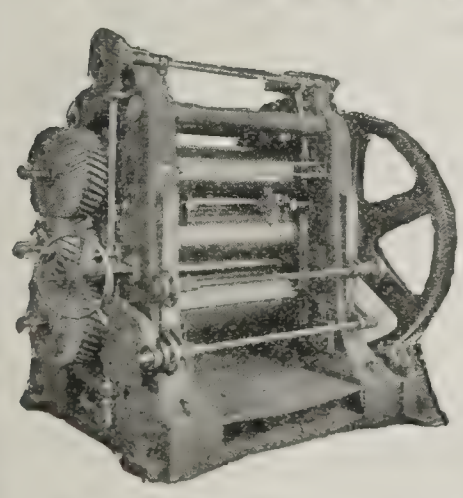

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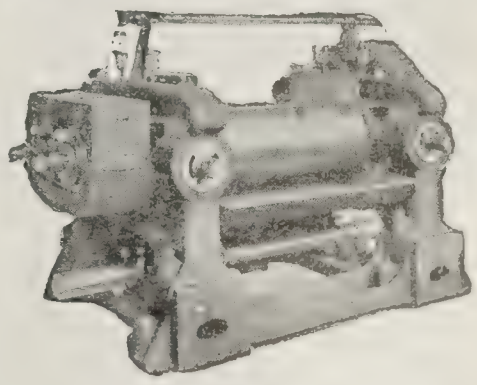

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Blackhall Mfg. Co. 196 Seneca, Buffalo, N. Y.
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Hickox W. O. Mfg. Co., Harrisburg, Pa.
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McAdams John & Sons, 978 Kent av, Brooklyn, N. Y.
Royle Jno. & Sons (Engravers), Paterson, N. J.

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Defiance Machine Works (Bars or Trees), Defiance, Ohio
Gardner Machine Works, Gardner, Mass.

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Manville E. J. Machine Co., Waterbury, Conn.

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## 8999— Salt Well Machinery

Manistee Iron Works Co., Manisteer, Mich.
Willcox Engineering Co. (For Salt Works), 1525 Holland av, Saginaw, Mich.

## 9000— Sand Blast Machines

Ame. Foundry Equipment Co. ("American Wadsworth"), 52 Vanderbilt av, New York
Astle H. J. & Co. ("Boland," Automatic Self-Feeding), 118 Orange, Providence, R. I.
Betton J. M. (Injector Sand Blast Apparatus), 59 Pearl, New York
Bradsto Appliances, Inc. ("Stowe" Portable), 65 Main, Buffalo, N. Y.
Busch J. C. Co., 140 Ferry, Milwaukee, Wis.
Hoevel Mfg. Corp. ("Hoevel"), 166 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Illinois Mfg. & Supply Co., Quincy, Ill.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Leiman Bros. (For Brass Workers, Jewelers, etc.), 81 Walker, New York.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

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Nichols D. M. Iron Works ("Danic"), 2 Gouverneur sl, New York
Pangborn Corp. (Rotary Table), Hagerstown, Md.
Paxson J. W. Co. ("Paxson-Warren"), 1021 N Delaware av, Phila., Pa.
Reichhelm, E. P. & Co., Inc., 24 John, New York
Rich Fdry. Equipment Co., 2528 W 48th pl, Chicago, Ill.
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Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.
**STANDARD EQUIPMENT CO.** ("Standard," also Equipment), 184 Church, New York.
Tilghman-Brooksbank Sand Blast Co. ("Tilghman," "Matthewson"), 1126 S 11th, Phila., Pa.

## 9001—Sand-Lime Brick Machinery

See also Brick Press Machines, etc

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Jackson & Church Co., Saginaw, Mich.
Wilmington Iron Works (Fertilzer Mixers, Pulverizers, Shaking Screens, Car Hauls, Automatic Dump Cars, etc. & Special Machinery), Wilmington, N. C.
*See adv index at end of book*

## 9002—Sand Mixing Machines

American Clay Machinery Co. (Grinding & Mixing), S Walnut, Bucyrus, O.
*See adv index at end of book*
American Foundry Equipment Co. (Foundry Sand), 52 Vanderbilt av, New York.
Barbour Stockwell Co. ("Boston"), Cambridge, Mass.
Blystone Mfg. Co., Cambridge Springs, Pa.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Erie Machine Shops, Erie, Pa.
Farrel Foundry & Machine Co., Ansonia, Conn.
Frost Mfg. Co., Galesburg, Ill.
Hanna Engineering Works ("Hanna" Foundry), 1764 Elston av, Chicago, Ill.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
**NATIONAL ENGINEERING CO.** ("Simpson"), 549 W Washington blvd, Chicago, Ill.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Sand Mixing Machine Co., 52 Vanderbilt av, New York
Sellers Wm. & Co., 1600 Hamilton, Philadelphia, Pa.
Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.
Smith T. L. Co., 1151 32d, Milwaukee, Wis.
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Vulcan Engineering Sales Co. ("Milwaukee" Foundry), 1764 Elston av, Chicago, Ill.
Wadsworth Core Machinery & Equipment Co., 10 W Buchtel, Akron, O.

## Sand Molding Machines

See Molding Machines, Foundry

## 9003—Sand Paper Making Machinery

Waldron Jno. Co., New Brunswick, N. J.

## 9004—Sand Papering Machines

American Wood Working Machinery Co., Rochester, N. Y.
Beach Mfg. Co., Montrose, Pa.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Driver C. H. & Kerr Co., Racine, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Gardner Machine Works ("Gardner" Horizontal Drum), Gardner, Mass.
Heath W. A. Machine Co. ("Empire" Double Drum), Lestershire, N. Y.
Jenkins Machine Co. (For Sanding the ends of Chair Seats, etc), Sheboygan, Wis.
Lucas Machine Co., Jamestown, N. Y.
Maddox Machine Co. (Belt), Jamestown, N. Y.
Mattison C. Machine Works, Rockford, Ill.
Nash J. M. ("Nash" Automatic Sanders & Polishers), 842 30th, Milwaukee, Wis.
National Woodworking Machine Co., Dover, N. H.
Redin, Ekstrom & Co. (Also Belt & Roller Sanders), Rockford, Ill.
Rockford Tool Co. (Belt), Rockford, Ill.
Smith H. B. Machine Co., Smithville, N. J.
Yates P. B. Machine Co., Beloit, Wis.

## Sand Sifting Machine

See Sifters, Sand

## 9005-6—Sander & Boring Machines

Smith H. B. Machine Co. (Sander), Smithville, N. J.

## 9007—Sanding & Polishing Machinery

Bicknell Mfg. & Supply Co. ("Bicknell's" Belt), Janesville, Wis.
Defiance Machine Works, Defiance, O.
Fischer Machine Works, 1845 Carroll av, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heath W. A. Machine Co. ("Empire" Double Drum Sander), Lestershire, N. Y.
Jones Superior Machine Co., 1264 W North av, Chicago, Ill.
Nash J. M., 842 30th, Milwaukee, Wis.
Ober Mfg. Co., Chagrin Falls, O.
Schimmel, Reid & Co. ("Simplex" Belt), Faribault, Minn.
Valley City Machine Works ("Champion" Bench Sander for Spindle Carvings), Grand Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

## 9008—*Sanitary Can-Making Machinery

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y.
*For branch offices see adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 9009—Sanitary Earthenware Machinery

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## 9010— Sash Chain Machines

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Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Hayes E. B. Machinery Corp., Oshkosh, Wis.
Power L. & Co., 20 S 23d, Phila., Pa.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Yates P. B. Machine Co., Beloit, Wis.

## 9012-3—Sash Grooving Machines

Smith & Phillips Mfg. Co., 1008 W Madison, Chicago, Ill.

## 9014—Saturating Machinery for Paper Mills

Haberkamp Wm. Machine Works, 442 Wells, Chicago, Ill.

## 9015—Sausage Making Machines

See also Stuffers, Sausage

Allbright-Well Co. (Cross Cutting Machines), 5315 Western av, Chicago, Ill.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Oppenheimer S. & Co., 2700 S Wabash av, Chicago, Ill.
Smith's Jno. E. Sons Co. ("Buffalo Silent"), Buffalo, N. Y.

## 9016—Saw Filing & Setting Machines

See also File Room Machinery; also Band Saw Filing & Setting Machines

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Ambler Saw Mfg. Co., Natick, Mass.

American Saw Mill Machinery Co., Hackettstown, N. J.
Baldwin, Tuthill & Bolton, ("Bolton" Filer), Grand Rapids, Mich.
Covel Mfg. Co. (Power Setting), Benton Harbor, Mich.
Grimes & Harris (For Band Saws), Leominster, Mass.
Hanchett Swage Works (For Hand Saws), Big Rapids, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
New Britain Machine Co. ("New Britain") 190 Chestnut, New Britain, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
Sidney Machine Tool Co. ("Famous"), Sidney, O.
Sterns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Zeiller & Nagel ("Bauer" Circular Saw Setting), 233 Java, Brooklyn, N. Y.

## 9017—Saw Fitting Machinery

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Covel Mfg. Co., Benton Harbor, Mich.
Hanchett Swage Works, Big Rapids, Mich.
Machy. Co. of America, Big Rapids, Mich.
Oliver Machinery Co., Grand Rapids, Mich.
White A. E. Machine Works Eau Claire, Wis.

## 9018—Saw Making Machinery

Hess Machine Works (Saw Setting & Cutting Machines), 4951 Lancaster, Phila., Pa.

## 9019-20—Saw Mill Machinery

See also Saw Mills, Various Kinds; also Shingle Mill Machinery; also Lath Mills & Bolters; also Lath & Picket Mills

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Adams W. T. Machine Co., Corinth, Miss.
Albany Iron Works, Albany, Ore.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Saw Mill Machinery Co., Hackettstown, N. J.
Appomattox Iron Works & Supply Co., Petersburg, Va.
Ashland Iron Works, Ashland, Ore.
Atwood & Jones Mfg. Co., Stillwater, Minn.
Barnard Mfg. Co., Spokane, Wash.
Bartlett A. F. & Co., Saginaw, Mich.
Bartley Wm. & Sons, Bartley, N. J.
Birdsall Engine Co., Newark, N. Y.
Bolinder Co. ("Bolinder"), 30 Church, New York.
Challoner Co., Oshkosh, Wis.
Chapmans T. M. Sons Co., Old Town, Me.
Chase Turbine Mfg. Co., Orange, Mass.
Clark Bros. Co., Olean, N. Y.
Clyde Equipment Co., 18th & Vipshur, Portland, Ore.
Coleman Feed Roller Co., Vredenburgh, Ala.
Columbia Engineering Works (Jobbers), 222 Pine, Portland, Ore.
Columbus Iron Works, Columbus, Ga.
Defiance Machine Works (Light Only), Defiance, O.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Diamond Iron Works, 2nd & 18th av, N Minneapolis, Minn.
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av, New Orleans, La.
Enterprise Co., Columbiana, O.
Farquhar A. B. Co. (Ltd.), York, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Fisher & Davis Mfg. Co., 934 N 1st, St. Louis, Mo.
Frick Co., Waynesboro, Pa.
Gainesville Iron Works, Gainesville, Ga.
Garland M. Co., Bay City, Mich.
Georgia Iron Works, Augusta, Ga.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Griffith & Wedge Co., Zanesville, O.
Harron, Rickard & McCone (Jobbers), 139 Townsend, San Francisco, Cal.
Heilman Machine Works, Evansville, Ind.
Henderson W. K., Iron Works & Supply Co., Shreveport, La.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Hesse-Martin Iron Wks., 468 E Taylor, Portland, Ore.
Hill-Curtis Co., Kalamazoo, Mich.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Humphrey Machine Co., Keene, N. H.
Ireland Machine & Foundry Co., Norwich, N. Y. *See adv index at end of book*
Kehoe Iron Works, Savannah, Ga.
Kline Lewis T., Alpena, Mich.
Knight Mfg. Co., Canton, O.
Lake Shore Engine Works, Marquette Mich.
Lane Mfg. Co., Montpelier, Vt.
Lenker Frank K & Co., Millersburg, Pa.
Lexington Engine & Boiler Works, Lexington, Ky.
Liddell Co., Charlotte, N. C.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry. Phila., Pa. *See adv index at end of book*
Lombard Iron Works & Supply Co., Augusta, Ga.
Lufkin Foundry & Machine Co. (Heavy), Lufkin, Tex.
Lyon Iron Works, Greene, N. Y.
McDonough Mfg. Co., Eau Claire, Wis.
Manistee Iron Works Co., Manistee, Mich.
Mecklenburg Iron Works, Charlotte, N. C.
Memphis Machine Works, Memphis, Tenn.
Mitts & Merrill, Saginaw, Mich.
Moltz Jacob J., Williamsport, Pa.
Murray D. J. Mfg. Co., Wausau, Wis.
Murray Iron Works Co., Burlington, Ia.
National Iron Co., Duluth, Minn.
Ocala Iron Works, Ocala, Fla.
Peglar Machinery Co., Chattanooga, Tenn.
Phoenix Iron Works, E 2nd & Hawthorne, Portland, Ore.
Phoenix Mfg. Co., Eau Claire, Wis.
Portable Band Sawmill, Inc., 239 E 86th, New York
Port Huron Engine & Thresher Co., Port Huron, Mich.
Portland Iron Works, 14th & Northrup, Portland, Ore.
Prescott Co., Menominee, Mich.
Ricker T. H. & Sons Co., Harrison, Me.
Russell & Co., Massillon, O.
Salem Iron Works, Winston Salem, N. C.
SINKER-DAVIS CO., Indianapolis, Ind.
Soule Steam Feed Works, Meridian, Miss
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Co., Erie, Pa.
Stellman L. H. & Son, Brattleboro, Vt.
Sumner Iron Works, Everett, Wash.
Taylor Iron Works & Supply Co., Macon Ga.
Thomasville Iron Works, Inc., Thomasville, Ga. *See adv index at end of book*
Trevor Mfg. Co. (Short Log), Lockport, N. Y.
Union Iron Works, Bangor, Me.
U. S. Machine Co., Williamsport, Pa.
Vulcan Iron Works, 1849 Kearny, San Francisco, Cal.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Washington Machy Depot, Tacoma, Wash.
Wheland Co., Chattanooga, Tenn.
Wilkin-Challoner Co., Oshkosh, Wis.
Woodruff Machinery Mfg. Co., Winder, Ga.
Woods S. A. Machinery Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.

## Saw Setting Machines

See Saw Filing & Setting Machines; also Band Saw Filing & Setting Machines: also File Room Machinery

## 9021—Saw Sharpening Machines

See also Sharpeners, Saw; also Band Saw Filing & Setting Machines; also Saw Filing & Setting Machines

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Black Diamond Saw & Mach. Works, Natick, Mass.
Cochrane-Bly Co. (Metal Saws), Rochester, N. Y.
Covel Mfg. Co. (For Automatic Band Gang, Circular & Metal Saws, etc), Benton Harbor, Mich.
Diamond Machine Co. ("Diamond"), Providence, R. I.
Disston Henry & Sons ("Borthwick" or Emery Wheel Gummer), Tacony, Phila., Pa.
Espen-Lucas Machine Works (Power, Automatic), 21 Girard av, Phila., Pa.
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Higley Machine Co., Croton Falls, N. Y.
Hooker O. V. & Son (Automatic), St Johnsbury, Vt.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Newton Machine Tool Works (For Solid & Inserted Tooth Blades), 23rd & Vine, Phila., Pa.
Oliver Machinery Co. (Automatic), Grand Rapids, Mich.
Rogers Sam'l C. & Co. ("Buffalo" Band & Circulars), 10 Lock, Buffalo, N. Y.
Wardwell Mfg. Co., 110 Hamilton av N E, Cleveland, O.
Yates P. B. Machine Co., Beloit, Wis.

## 9022—Saw Stretching Machines

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Covel Mfg. Co., Benton Harbor, Mich.
Hanchett Swage Works, Big Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

## 9023-4—Saw & Chuck Machines

Nash J. M. ("Nash" Automatic), 842 30th, Milwaukee, Wis.

## 9025-6— Scarfing Machines

Hills & Jones Co. (Ship Yard Work), E Wilmington, Del. *See adv index at end of book*
Mitts & Merrill (Band Saws), Saginaw, Mich.
United Engineering & Foundry Co. (Movable Motor Driven for Pipe & Tube Mills), Keenan Bldg., Pittsburgh, Pa.

## 9027— Scow Machinery

Superior Iron Works Co., Superior, Wis.

## Scrap Reclaiming Machines

See Rolls, Scrap Reclaiming

## 9028—Scrap Wire Bundling Machines

VAUGHN MACHINERY CO., Cayahoga Falls, O. *See adv index at end of book*

## 9029— Screening Machinery

Batavia Engineering Works, Batavia, Ill.
Chain Belt Co., Milwaukee, Wis.
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor" Grain & Seed Extractors), Silver Creek, N. Y.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT CO., 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
National Engineering Co., 549 W Washington blvd, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

## 9030—Screw Bank Heading Machines

Manville E. J. Machine Co., Waterbury, Conn.

## 9031—Screw Cap Rolling Machines

AMERICAN CAN CO. (Machinery Dept.), ("Rudolphi & Krummel" Automatic), Monroe bldg, Chicago, Ill. *See adv index at end of book*

## 9032—Screw Cutting Machines

Automatic Machine Co., Bridgeport, Conn.
GREENFIELD TAP & DIE CORP'N ("G. T. D." with Automatic Die Heads for Bolts, Nuts & Pipe), Greenfield, Mass. *See adv index at end of book*
Herbert Alfred Ltd., 54 Dey, New York *See adv index at end of book*
Landis Machine Co., Waynesboro, Pa.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Potter & Johnston Machine Co., Pawtucket, R. I.
Rivett, Lathe & Grinder Co., 2 Brooks Brighton, Boston, Mass.
Schood Paul, 179 Pearl, New York.
Seeger Machine Tool Co., 34 Forsyth, Atlanta, Ga. *See adv index at end of book*
Townsend H. P. Mfg. Co., Hartford, Conn.

## 9033—Screw Driving Machines

Reynolds Machine Co. ("Reynolds" Automatic Power), Massillon, O.

## 9034—Screw Heading Machines

Cook Asa S. Co. (Single Blow Only), Hartford, Conn.
International Machine & Screw Co., Springfield, Mass.
Manville E. J. Machine Co., Waterbury, Conn.

## 9035— Screw Machines

See also Lathes, Turret

Acme Machine Tool Co., Cincinnati, O.
Advance Tool Works, 2304 Warren av, Chicago, Ill.
Brown & Sharpe Mfg. Co. (Plain, Wire Feed Automatic, etc), Providence, R. I.
Dreses Machine Tool Co., Cincinnati, O.
Foster Machine Co., Elkhart, Ind.
Himoff Machine Co., 50 Church, New York
International Machine & Screw Co., Springfield, Mass.
Jones & Lamson Machine Co., Springfield, Vt.
Leisy-Patton Co. (Turret), 7033 St. Clair av, Cleveland, O.
Meriden Mach. Tool Co. (Hand), Meriden, Conn.
Millholland W. K. Machine Co., Indianapolis, Ind.
National Acme Co., 7500 Stanton av., S. E., Cleveland, O.
New Britain Machine Co. ("New Britain" Six Spindle Automatic), 190 Chestnut, New Britain, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
Smurr & Kamen Machine Co. (Plain Head), 328 N Albany, Chicago, Ill.
Southworth Mach. Co. ("Southworth" Turret), Portland, Me.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
Thompson & Bremer, 850 S Canal, Chicago, Ill.
Wachs E. H. Co. (Hand), 1525 Dayton, Chicago, Ill.
Walraven Co. (The), 36-38 W Alabama, Atlanta, Ga.
*See adv index at end of book*
Warner & Swasey Co. (Turret), 5809 Carnegie av, Cleveland, O.
Wood Turret Machine Co. (Tilted Turret), Brazil, Ind.
Wright David A., 568 W Washington, Chicago, Ill.

## 9036—Screw Machines (Automatic)

Brown & Sharpe Mfg. Co., Providence, R. I.
Chicago Automatic Machine Co., 400 N Oakley Bl., Chicago, Ill
**CINCINNATI AUTOMATIC MACHINE CO.**, Cincinnati, O.
Cleveland Automatic Machine Co., 2269 E. 65th, Cleveland, O.
Davenport Machine Tool Co., ("Davenport Multiple Spindle"), New Bedford, Mass.
Hartford Machine Screw Co., (Turning & Threading), Hartford, Conn
National Acme Co. ("Gridley"), 7500 Stanton av, S. E., Cleveland, O.
New Britain Machine Co., ("New Britain" Six Spindle), 190 Chestnut, New Britain, Conn.
Peerless Automatic Machine Co., (Multiple Spindle), 1962 W 77th, Cleveland, O.
Pratt & Whitney Co. (With Magazine Attachment, etc.), Hartford, Conn.

## 9037—Screw Machines (Gimlet Pointing)

Manville E. J. Machine Co., Waterbury, Conn.
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Townsend H. P. Mfg. Co., Hartford, Conn.

## 9038—Screw Machines (Hand)

Bardons & Oliver, Cleveland, O.
Brown & Sharpe Mfg. Co., Providence, R. I.
Dresses Machine Tool Co., Cincinnati, O.
Fay & Scott, Dexter, Me.
Garvin Machine Co. (Double Turret), 147 Varick, New York
Greenfield Tap & Die Corpn. ("Wells"), Greenfield, Mass.
*See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
Southworth Mach. Co. ("Southworth" Turret), Portland, Me.
Stecher Chas. Co., 1574 Crossing, Chicago, Ill.
Turner Machine Co., Danbury, Conn.
Warner & Swasey Co., 5809 Carnegie av, Cleveland, O.

## 9039-40—Screw Machines (Multiple Spindle)

Cincinnati Automatic Machine Co., Cincinnati, O.
Fitchburg Automatic Machine Works ("Radical" Automatic), Fitchburg, Mass.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
New Britain Machine Co. ("New Britain" Six Spindle), 190 Chestnut, New Britain, Conn.

## 9041-2—Screw Pointing Machines

Pawtucket Mfg. Co. (For Coach Screws), Pawtucket, R. I.
Townsend H. P. Mfg. Co., Hartford, Conn.

## 9043—Screw Shaving Machines

Garvin Machine Co. (Screw Head Shaving), 147 Varick, New York
International Machine & Screw Co., Springfield, Mass.
Manville E. J. Machine Co. (Shaving & Slotting Combined), Waterbury, Conn.
Pawtucket Mfg. Co., Pawtucket, R. I.
Potter & Johnston Machine Co. (Shaving & Turning), Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
Townsend H. P. Mfg. Co., Hartford, Conn.

## 9044—Screw Slotting Machines

See also Slotting Machines

Brown & Sharpe Mfg. Co., Providence, R. I.
Garvin Machine Co., 147 Varick, New York
Hartford Machine Screw Co., Hartford, Conn.
Herbert Alfred Ltd., 54 Dey, New York.
*See adv index at end of book*
Hubbell Harvey, Bridgeport, Conn.
International Machine & Screw Co., Springfield, Mass.
Manville E. J. Machine Co., Waterbury, Conn.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Pratt & Whitney Co., Hartford, Conn.
Townsend H. P. Mfg. Co., Hartford, Conn.
Waterbury Farrel Foundry & Machine Co. (Automatic), Waterbury, Conn.

## 9045—Screw Spike Driving Machines

Greenlee Bros. & Co., Rockford, Ill.

## 9046—Screw Thread Rolling Machines

Acme Machinery Co., 4533 St Clair av, Cleveland, O.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
International Machine & Screw Co., Springfield, Mass.
Leffler Chas. & Co. (For Sheet Metal Screws, etc), 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
Manville E. J. Machine Co. (Automatic), Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## 9047—Scroll Sawing Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Barnes W. F. & Jno. Co. (Foot & Power), Rockford, Ill.
Beach Mfg. Co., Montrose, Pa.
Colladay Jas. O. Co., 626 Race, Phila., Pa.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co. 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Jones Superior Machine Co., 1264 W North av, Chicago, Ill.
Oliver Machinery Co., Grand Rapids, Mich.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.

## 9048—Scythe Rolling Machines

Birmingham Iron Foundry, Derby, Conn.

## 9049— Sealing Machinery

**Anderson W. J. & Co. (Rapid), 341 B'way, New York**
Burpee Can Seed Co., 215 W Huron, Chicago, Ill.
Chicago Gum Tape Co., 375 E Illinois, Chicago, Ill.
Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich.
King Spec. Co., Detroit, Mich.
Liberty Paper Co., 52 Vanderbilt av, New York
Metal Specialties Mfg. Co. ("Anchor" No. 5 & Gummed Tape), 338 N Kedzie av, Chicago, Ill.
Multipost Co. (Automatic), Rochester, N. Y.
National Binding Machine Co., 260 West, New York
Pneumatic Scale Corp. (Ltd.), (Automatic), Norfolk Downs, Mass.
Powell Sealer & Tape Mfg. Co., Westerville, O.
**Rexford Gummed Tape Co., 598 Clinton av, Milwaukee, Wis.**

## 9049a—*Sealing Machines (For Pay Envelopes)

**EVEREADY MFG. CO. OF BOSTON** ("Eveready" Automatic), 5 Knapp, Boston, Mass. *See adv index at end of book*

## 9050— Seaming Machines

**BLISS E. W. CO.** (Sheet Metal), 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Canton Foundry & Machine Co. ("Universal," Power for Long Length Pipe), Canton, O.

## 9051—Seamless Tubing Machinery

Metals Working Co., 305 5th av, Pittsburgh, Pa.
Standard Engineering Co., Ellwood City, Pa.

## Seine Making Machinery

See Netting Machines

## 9052—Separating Machinery (Cotton Seed)

Bailey-Burruss Mfg. Co., Atlanta, Ga.
Buckeye Iron & Brass Works, Dayton, O.

## 9053—Sewer Cleaning Machines

Healy P. J., 39 Cortlandt, New York.
Improved Sewer Cleaning Machine Co., 1720 Cedar, Milwaukee, Wis.
Otterson Auto Eductor Co., Springfield, Ohio.
Shannon J. H. & R. Co. ("Shannon"), 538 Bergen av, Jersey City, N. J.

## 9054—Sewer Pipe Machinery

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Besser Mfg. Co., Alpena, Mich.
**Sioux City Engine & Machinery Co., Sioux City, Iowa**
Stevenson Co., Wellsville, O.
Taplin-Rice-Clerkin Co., Akron, O.

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Bucyrus Co., S Milwaukee, Wis.
Carson Trench Machine Co., 16 Dorrance, Boston, Mass.
Economy Excavator Co., Iowa Falls, Ia.
Heffron Trenching Co., Cleveland, O.
Heggie W. J. ("Monahan"), Joilet, Ill.
Keystone Driller Co. (Ditcher), Beaver Falls, Pa. *See adv index at end of book*
**MACHINERY SALES CO.,** Old Colony bldg., Chicago, Ill.
Marion Steam Shovel Co., P. O. Box 505, Marion, O.
Moore Bros. (Second Hand), 39 S LaSalle Chicago, Ill. *See adv index at end of book*
Noble H. A. Co. (Odorless Excavating), 203 Dock, Phila., Pa.
Osgood Co., Marion, O.
Parsons Co. ("Parson's"), Newton, Ia.
Pawling & Harnischfeger Co. (Wheel or Ladder), Milwaukee, Wis.
*See adv index at end of book*
Potter Mfg. Co., Indianapolis, Ind.
Waterloo Cement Machinery Corp., Waterloo, Ia.

## 9056— Sewing Machine Mfrs.

Bauer Machine Co. (Lock Stitch), Jeffersonville, Ind.
Bergbom & Roberg (Hand), 218 N Jefferson, Chicago, Ill.
Birch Bros., Somerville, Mass.
Champion Shoe Machinery Co., 3727 Forest Park blvd, St. Louis, Mo.
Curtis Herbert Co. (Brasser, Pique, Union Wax & All Kinds Special Sewing Machines), Gloversville, N. Y.
Curtis & Marble Machine Co. (Railway), Worcester, Mass.
"Davis" Sewing Machine Co. (Treadle, Elect, & Mfg.), Dayton, O.
Dinsmore Mfg. Co., Salem, Mass.
Domestic Sewing Machine Co., 19 W Jackson blvd, Chicago, Ill.
Fales L. F. ("Maniplex" Multiple Needle), Walpole, Mass.
Foley-Williams Supply Co., 19 W Jackson blvd, Chicago, Ill.
Free Sewing Mach. Co. ("Free," "Free Westinghouse," "Aviator," "New Royal," Family, Electric & Foot Power), Rockford, Ill.
Illinois Sewing Mach. Co. ("New Royal"), Rockford, Ill.
Industrial Mfg. Co., Camden, N. J.
King Sewing Machine Co., Buffalo, N. Y.
Kruse & Murphy Mfg. Co., 100 E 130th, New York
Landis Machine Co., 25th & Mullanphy, St. Louis, Mo.
Leyland Thos. & Co. (Whaleback), Readville, Mass.
Mason A. G. Mfg. Co. ("Florence" Family), St. Clair & E 79th, Cleveland, O.
Merrow Machine Co. ("Merrow" High Speed Trimming & Over Seaming), Hartford, Conn.
Metropolitan Sewing Machine Co., Nyack, N. Y.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
National Sewing Machine Co., Belvidere, Ill.
New Home Sewing Machine Co., Orange, Mass.
Osonn Frederick Co., 245 7th av, New York
Rockwell Co., Inc., 74 India, Boston, Mass.
Simmons Hardware Co., 9th & Spruce, St. Louis, Mo.
Singer Sewing Machine Co., 149 B'way, New York
Smith & Egge Mfg. Co. (Automatic Hand), Bridgeport, Conn.
Standard Sewing Machine Co. (For Family & Mfg. Use), 6402 Cedar av, S E, Cleveland, O.
Union Lock Stitch Co., E Boston, Mass.
Union Special Machine Co. (Power Driven Industrial), 400 N Franklin, Chicago, Ill.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
White Sewing Machine Co., St. Clair & 79th, Cleveland, O.
Wilcox & Gibbs Sewing Mach. Co. (Chain Lock & Overlock Stitch), 658 B'way, New York
Williams Mfg. Co., Ltd., Plattsburg, N. Y.

## 9057—Sewing Machines (Bag)

Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co., 6402 Cedar av, S E, Cleveland, O.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Wilcox & Gibbs Sewing Mach. Co., 658 B'way, New York.

## 9058—Sewing Machines (Blind Stitch)

Acme Keystone Co. ("McCool"), Beaver Falls, Pa.
American Blind Stitch Machine Co. ("Dearborn's" Patents), 325 Lafayette, New York
Lewis Felling Mach. Co., 3763 Forest Park blvd., St. Louis, Mo.

## 9059—Sewing Machines (Boot & Shoe)

Champion Shoe Mach'y Co., 3727 Forest Park blvd, St. Louis, Mo.
Landis Machine Co. ("Fleming" Shoe Soling), 25th & Mullanphy, St. Louis, Mo.
Puritan Mfg. Co., 121 Beach, Boston, Mass.
Singer Sewing Mach. Co., 149 B'way, New York
Tennis A. H., 47 E 19th, New York
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
White Sewing Machine Co., St. Clair & 79th, Cleveland, O.

## 9060—Sewing Machines (Broom & Whisk)

Cassard Hamilton, Holliday & Pleasant, Baltimore, Md.
Hand Stitch Broom Sewing Machine Co., 424 1st av, Pittsburgh, Pa.
Lipe & Walrath Co., 208 S Geddes, Syracuse, N. Y.
Mercantile Warehouse Co. (Steam), 53 Beach, New York
Walrath Alphonso Co. ("Lipe-Walrath"), Fort Plain, N. Y.

## 9061—Sewing Machines (Button)

Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co., 6402 Cedar av, S E, Cleveland, O.
Union Button Sewing Co. (For Flat Shank & Covered Buttons), 394 Atlantic av, Boston, Mass.

## Sewing Machines (Button Hole)

See Buttonhole Machines

## 9062—Sewing Machines (Carpet)

Consolidated Carpet Sewing Machine Co., Bridgeport, Conn.
Singer Sewing Machine Co., 149 B'way, New York
Taft Machine Co., 229 Globe, Providence, R. I.

## 9063—Sewing Machines (Chain Stitch)

Kruse & Murphy Mfg. Co., 100 E 130th, New York
Metropolitan Sewing Machine Co., Nyack, N. Y.
Singer Sewing Mach. Co., 149 B'way, New York
Smith & Egge Mfg. Co. ("Little Comfort" Hand), Bridgeport, Conn.
Standard Sewing Machine Co. (Lock, Stitch), 6402 Cedar av, S E, Cleveland, Ohio
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Wilcox & Gibbs Sewing Machine Co., 658 B'way, New York

## 9063a—Sewing Machines (Darning & Marking)

Standard Sewing Machine Co., 6402 Cedar av, S E, Cleveland, O.

## 9064—Sewing Machines (Glove)

Ahlstrom O. J., 711 B'way, New York
Curtin Hebert Co. (For Leather, Canvas or Silk Gloves), Gloversville, N. Y.
Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co., 6402 Cedar av, S E, Cleveland, O.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
White Sewing Machine Co., St. Clair & 79th, Cleveland, O.
Wilcox & Gibbs Sewing Machine Co., 658 B'way, New York
Williams Mfg. Co. Ltd., Plattsburg, N. Y.

## 9065—Sewing Machines (Hat)

Bulasky L., 44 E Houston, New York.
Durbrow & Hearne Mfg. Co., 12 Wooster, New York

SEWING MACHINES (HOT)—continued

**Singer Sewing Machine Co., 149 B'way, New York**
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
**Wilcox & Gibbs Sewing Machine Co., 658 B'way, New York**

## 9066—Sewing Machines (Leather)

Champion Shoe Machinery Co., 3727 Forest Park blvd, St. Louis, Mo.
Davis Sewing Mach. Co., Dayton, O.
**Landis Machine Co. (Harness, etc), 25th & Mullanphy, St. Louis, Mo.**
**Singer Sewing Machine Co. (For Harness Mfrs., Comage Leather, etc.), 149 B'way, New York**
Union Lock Stitch Co. (For Harness etc.), E Boston, Mass.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.

## 9067—Sewing Machines (Mattress)

Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co., 6402 Cedar av, S E, Cleveland, O.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.

## 9068—Sewing Machines (Multiple Needle)

Fales L. F. ("Maniplex," Heavy Duty Lock Stitch), Walpole, Mass.
Singer Sewing Mach. Co., 149 B'way, New York
Standard Sewing Machine Co., (& Two Needle), 6402 Cedar av, S E, Cleveland, O.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.

## 9069—Sewing Machines (Over Seaming)

Singer Sewing Mach. Co., 149 B'way, New York
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## 9070—Sewing Machines (Railway)

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Standard Sewing Machine Co., 6402 Cedar av, S E, Cleveland, O.

## 9072—Sewing Machines (Straw Hat)

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Wilcox & Gibbs Sewing Machine Co. (Visible & Concealed Stitch), 558 B'way, New York

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Hydraulic Press Mfg. Co., Mt. Gilead, O.
Kane & Roach, Syracuse, N. Y.
Logemann Bros. Co. ("Logemann," Hydraulic Shaft, Pipe & Bar Straightener), 3130 Burleigh, Milwaukee, Wis.
Mac Leod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Putnam Machine Co., Fitchburg, Mass.
Springfield Machine Tool Co., Springfield, Ohio
**WATSON-STILLMAN CO.** (Hydraulic), 38 Church, New York
*See adv index at end of book*

## Shaft Turning Machines

See Lathes, Shaft Turning

## 9076—Shaft & Pole Machinery

**Defiance Machine Works, Defiance, O.**

## 9077— Shafting Machinery

Brightman Mfg. Co., Columbus, O.

## 9078—Shaping Machines for Steel Foundries

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Cincinnati Shaper Co. (Traverse), Elam & Garrard, Cincinnati, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, Ohio
Cochrane-Bly Co. (Universal, for Die & Tool Making), Rochester, N. Y.
Columbia Machine Tool Co., Hamilton, O.
**Davis Machine Tool Co. (Crank), Rochester, N. Y.**
Gould & Eberhardt, 97 N J RR av, Newark, N. J.
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Ohio Machine Tool Co. ("Ohio" Crank Shaper, Single & Back Geared), Kenton, O.
Osborne & Sexton Machinery Co. (16:10,24 Inch), 4th & Russell, Columbus, O.
Potter & Johnston Machine Co. (Universal), Pawtucket, R. I.


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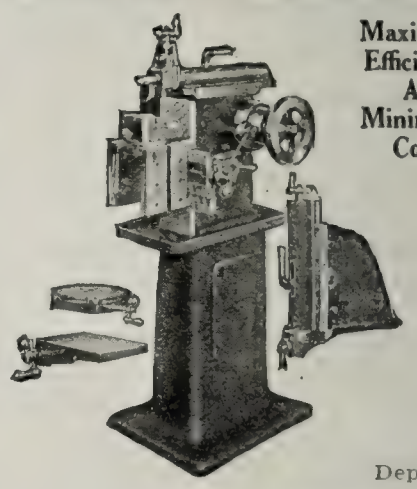

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Springfield Machine Tool Co. (Crank & Geared), Spring Grove av, Springfield, Ohio
Steptoe Jno. Co. (Single or Back & Geared), 2951 Colerain av, Cincinnati, Ohio
Stockbridge Machine Co. (Two-Piece Crank & Geared Drive), Worcester, Mass.
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Jenkins Machine Co. (Two Spindle Vertical Ball Bearing Shaper), Sheboygan, Wis.
Klotz Machine Co., Sandusky, O.
Ober Mfg. Co. (Combined Shaper, Saw & Jointer), Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Porter C. O. Machinery Co., Grand Rapids, Mich. *See adv index at end of book*
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Smith H. B. Machine Co., Smithville, N. J.
Towsley Jno. T. Mfg. Co., Cincinnati, O.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Whitney Baxter D. & Son (Double Spindle), Winchenden, Mass.
Wysong Miles Co. (Single Spindle), Greensboro, N. C.
Yates P. B. Machine Co., Beloit, Wis.

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Hill A. E. Mfg. Co., Atlanta, Ga.
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Odell Mfg. Co. ("Odell"), 343 S Dearborn, Chicago, Ill.
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**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
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Rock River Machine Co., Janesville, Wis.
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Canton Foundry & Machine Co. ("Universal"), Canton, O.
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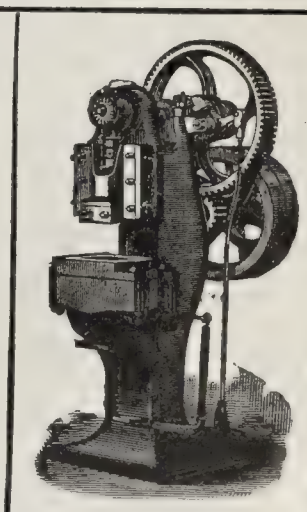

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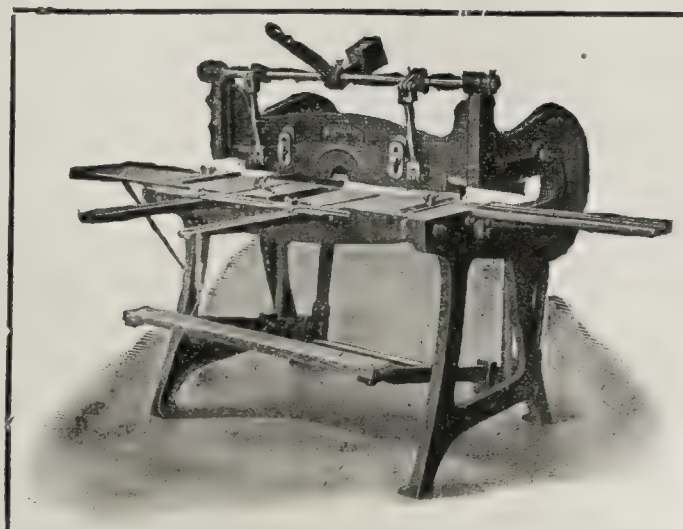

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**HILLES & JONES CO.** (Shears & Levelers), East Wilmington, Del.
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Standard Engineering Co., Ellwood City, Pa.
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## Sheet Pile Driving Machines

See Pneumatic Pile Drivers

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**BURROUGHS CHARLES COMPANY,** Newark, N. J. *See adv index at end of book*

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New Haven Sheradizing Co., New Haven, Conn.

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Howell R. R. & Co., 31st av, Minneapolis, Minn.
Ireland Mach. & Foundry Co., Norwich, N. Y. *See adv index at end of book*
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Lufkin Foundry & Machine Co. (Electric Dubbing Machines), Lufkin, Texas.
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
Watson, Frye Co., Ltd., Bath, Me.
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Freeman Machine Co., Lawrence, Mass.
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See Projectile Machinery

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Smith's John E. Sons Co., Buffalo, N. Y.
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U. S. Slicing Machine Co. (Meat), Laporte, Ind.
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### 9132— Slip Joint Machines

Canton Foundry & Machine Co. ("Universal"), Canton, O.

### 9133—Slip Roll Forming Machines

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Kidder Press Co., Dover, N. H.
Leffler Chas. & Co. (For Can Makers, etc), 59 Clymer, Brooklyn, N. Y.
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Standard Machinery Co. (Gang), Providence, R. I.
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### Slot Machines

See Vending Machines

### 9136— Slotting Machines

See also Screw Slotting Machines

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Betts Machine Co. (8 to 26-inch Stroke), 420 Blossom rd., Rochester, N. Y.
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Sowers Mfg. Co. ("Dopp"), Buffalo, N. Y.

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Ruggles Mach. Co., Poultney, Vt.
Rupp Mfg. Co., Inc., Hagestown, Md.
Russell John W. & Sons Co., Springfield, Mass.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Sabin Mach. Co., 6536 Carnegie av., Cleveland, O.
Sabin Machine Co., 6536 Carnegie av, Cleveland, O.
Salem Fdry. & Mach. Wks., Salem, Va.
Scallom Mfg. Co., 11 S Desplaines, Chicago, Ill. *See adv index at end of book*
Schaeffer Machine Wks. (Heavy), 35th & Gray's Ferry rd, Phila., Pa.
Schlanger Bros. Co., 2435 Irving Park pl, Chicago, Ill.
Schoenert Carl & Sons, Newark, N. J.
Schroeder Bros. Mfg. Co., 111 Brook, Torrington, Conn.
Scott-Fetzer Mech. Co., W 114th & Locust av., Cleveland, O.
Scranton Co., New Haven, Conn.
Security Tool Works, 115 S Clinton, Chicago, Ill.
Service Engng. Co., 50 Church, New York
Sharp L. E. Mfg. Co., Plattsmouth, Neb.
Shelton Tool & Mach. Co., Shelton, Conn.
Shepherd Engng. Co., Williamsport, Pa.
Signalite Mfg. Co., 522 S Clinton, Chicago, Ill.
Simmons Machine Co., 987 B'way, Albany, N. Y.
Simonds Mfg. Co., Liberty & 25th, Pittsburgh, Pa.
Sinker-Davis Co., Indianapolis, Ind.
Sloan & Chace Mfg. Co., Ltd., 351 6th av, Newark, N. J.
Smith & Johnson Mfg. Co. ("Volymn Coolout Pump" Designed & Built Mfrs. of Machines or Parts in Large Quantities on Contract), 2031 Elm, Cincinnati, O.
Southwark Fdry. & Mach. Co., 430 Wash. av, Phila., Pa.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
S. P. Mfg. Co., 782 E 72nd, Cleveland, O.
Spafford Tool Works, Hartford, Conn.
Sprinfield Mach. Tool Co., Sprinfield, O.
Springfield Tool Co., Springfield, Mass.
Standard Engng. Co., Ellwood City, Pa.
Standard Mach. Co., Dayton, O.
Standard Machy. Co., Providence, R. I.
Steacy Schmidt Mfg. Co. (From Engineers' Blue Prints), York Pa.
Stecher Chas. Co., 1574 Crossing, Chicago, Ill.
Steel Products Engng. Co., Springfield, O.
Steiner Bros., 322 N West, Lima, O.
Stierlin Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Stolp Co., Inc. (Automatic Lock Seaming), Geneva, N. Y.
Strube Machine Wks., 337 W 25th, Chicago, Ill.
Superior Die, Tool & Machine Co., Columbus, O.
Superior Tool & Die Works, 313 Clinton, Chicago, Ill.
Swedish Gage Co., Inc., 22 W 61st, New York
Sweet & Doyle Fdry. & Mach. Co., Green Island, N. Y.
Swift Geo. W. Jr., Bordertown, N. J.
Taft Pierce Mfg. Co., Woonsocket, R. I.
Tannewitz Wks., Grand Rapids, Mich.
Taylor & Fenn Co., Hartford, Conn.
Taylor-Shantz Co., Rochester, N. Y.
T. C. M. Mfg. Co., Harrison, N. J.
Thomson Spacing Machine Co. (For Fabricating Steel & Angle Bending Rolls), Fulton bldg, Pittsburgh, Pa.
Thompson & Bremer, 850 S Canal, Chicago, Ill.
Toles W. C. Co., 4034 N Tripp av, Chicago, Ill.
Toledo Mech. & Tool Co., Toledo, O.
Torrington Mfg. Co., Torrington, Conn.

Treadwell Engineering Co., Easton, Pa.
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Twin-O-Matic Machine & Tool Co., Inc., 160 John, Brooklyn, N. Y.
*See adv index at end of book*


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Union Engng. Co. (Automatic), Hartford, Conn.
**UNITED MACHINE & MFG. CO.**, Canton, O.
Unity Mfg. Co., 224 N Halstead, Chicago, Ill.
Universal Machine Co., 501 E Preston, Baltimore, Md.
Up-to-Date Tool Co., 81 Wareham, Boston, Mass. *See adv index at end of book*


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Valley Iron Wks., W St. Paul, St. Paul, Minn. & Levee, Williamsport, Pa.
**VILTER MFG. CO.**, 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
**VULCAN IRON WORKS INC.**, Hudson & Essex, Jersey City, N. J.
Vulcan Mfg. Co., 1200 4th av, S Seattle, Wash.
Verdin, Kappes & Verdin Co., Cincinnati, O.

Walker Bros. Co., Syracuse, N. Y.
Walsh Press & Die Co., 4709 W Kinzie, Chicago, Ill.
Waltham Mach. Wks., Newton, Waltham, Mass.
**WESTLUND CARL G. CO.**, 498 Millbury, Worcester, Mass.
West Michigan Mach. & Tool Co., Ltd., Grand Rapids, Mich.
Western J. W. & Co., 198 William, New York
Wetherhill Robt. & Co., Inc., Chester, Pa.
Wheeling Mold & Fdry. Co., Wheeling, W. Va.
White A. E. Machine Wks., Eau Claire, Wis.
Whiting & Comstock, Hartford, Conn.
Wicox Motor & Mfg. Co., Saginaw, Mich.
Williams, White & Co., Moline, Ill.
Williams Mfg. Co., Inc., 18 Eddy, Providence, R. I.
Willsea Works, Rochester, N. Y.
Wilson L. Novelty Works, 222 S Clinton, Chicago, Ill.
Woods Engng. Co. (On Contract), Alliance, O.
Woodward Mach. Co., Wooster, O.
Wolverine Supply & Mfg. Co. (Dies Only), Page & Fontella, Pittsburgh, Pa.
Wright Traffic Signal Co., 134 Opera pl, Cincinnati, O.
Wrigley Thos. Co., 504 Sherman, Chicago, Ill.
Wunsch & Washburn (Designed & Built), Stone av & McDougal, Brooklyn, N. Y.
York Electric & Mfg. Co., York, Pa.
Zeidler William A. Co., 182 Locust av, New York.

### 9162a—Special Machinery (Designers of)

See also Special Machinery

King R. D., 51 W Jackson, Chicago, Ill.
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th, New York
*See adv index at end of book*

### Spice Mill Machinery

**See Coffee & Spice Mill Machinery**

### 9163— Spike Machinery

Youngstown Foundry & Machine Co., (Automatic or Hand Feed for Track Spikes), Youngstown, O.

### 9164—Spinach Canners' Machinery

Huntley Mfg. Co., ("Monitor" Whirlpool Blanchers, Washers & Coolers), Silver Creek, N. Y.
Premier Machinery Co., Oakland, Cal.

### 9165-6—Spindle Carving Machines

Jenkins Machine Co., Sheboygan, Wis.
Porter C. O. Machy. Co., Grand Rapids, Mich. *See adv index at end of book*
Valley City Mach. Works, Grand Rapids, Mich.

### 9167—Spiral Oil Grooving Machines

Fischer Machine Co., 310 N 11th, Phila, Pa.
Garvin Machine Co., 147 Varick, New York

### 9168—Spiral Twist Moulding Machines

Valley City Mach. Works, Grand Rapids, Mich.

### 9169—Spoke Auger Machines

House Cold Tire Setter Co. ("Ever-Ready" Self-Feeding), 4143 Laclede av, St. Louis, Mo.

### 9170—Spoke Driving Machines (Automatic)

Defiance Machine Works, Defiance, O.

### 9171—Spoke Facing Machines

Defiance Machine Works, Defiance, O.

### Spoke Machinery

**See Hub, Spoke & Rim Machinery**

### 9172—Spoke Tenoning Machines

Defiance Machine Works, Defiance, O.
San Francisco Engn. Co., 322 6th, San Francisco, Cal.

### 9173—Spoke Throating Machines

Defiance Machine Works, Defiance, O.

### 9174—Spool Stock Sawing Machinery

Chapman's T. M. Sons Co., Old Town, Me.
Ricker T. H. & Sons Co., Harrison, Me.

### 9175—Spool Stranding Machines

Watson Machine Co., Paterson, N. J.

### 9176—Spool Stranding & Armoring Machines

Watson Machine Co., Paterson, N. J.

### 9177—Spool & Bobbin Machinery

Defiance Machine Works, Defiance, O.
Goodspeed Machine Co., Winchendon, Mass.
Kline Lewis T., Alpena, Mich.
Murkland John W. Co., Barton, Vt.
Thompson Mfg. Co. (For Roughing & Finishing), Lancaster, N. H.

### 9178— Spraying Machines

**See also Brushes, Pneumatic Spray; also Paint Spraying Machines; also Pumps Spray**

Albert Lea Sprayer Co. (Compressed Air & Hand), Albert Lea, Minn.
Anthony Co., 9 Jackson av, Long Island City, N. Y.
Barnhart Bros. & Spindler, 33 Throop, Chicago, Ill.
**DEMING CO.** ("Victory" "Victory Junior," "Adapter" Power Sprayed), Salem, Ohio.
*See adv index at end of book*
Drugs Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

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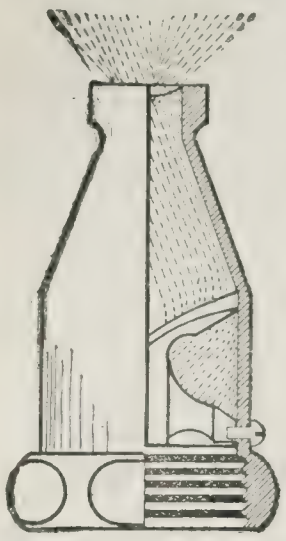

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Metals Coating Co. of Am. (Meta), Scoop Process), 100 Summer, Boston, Mass.
**MYERS F. E. & BRO.**, 800 Orange, Ashland, O *See adv index at end of book*
Spray Engng Co. (("Spraco" all coatings), 93 Federal, Boston, Mass.
*See adv index at end of book*


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Pneumatic Painting Equipment
"SPRACO PAINT GUN"
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BOSTON, MASS.


Star Brass Works, 3129 Carroll av, Chicago, Ill. *See adv index at end of book*

### Spraying Machines (Bituminous Materials)

See Road Oilers & Distributors

### 9179—Spring Bed Machinery

Ivens Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
Lippert & Rhenstrom, Kenosha, Wis.
Pine-Ihrig Machine Co., Oshkosh, Wis.
**SLEEPER & HARTLEY, INC.**, 335 Chandler, Worcester, Mass.
*See adv index at end of book*

Wells Frank L. Co., Kenosha, Wis.

### 9180—Spring Clamping Machines

Handy Mfg. Co. (For Woodworkers), 29 E Madison, Chicago, Ill.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

### 9181—Spring Closing Machines

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

### 9182—Spring Coiling Machines

**AMERICAN CAN CO.** (Mach'y Dept.), ("Rudolphi & Krummel"), Monroe bldg, Chicago, Ill.
*See adv index at end of book*
Baird Machine Co. (Automatic), Bridgeport, Conn.
Coulter & McKenzie Mach. Co., Bridgeport, Conn.
Evans' Jno. Sons (Light & Heavy), 506 N 13th, Philadelphia, Pa.
Garvin Machine Co., 147 Varick, New York
**SLEEPER & HARTLEY, INC.**, 335 Chandler, Worcester, Mass.
*See adv index at end of book*
Wells F. L. Co. (Automatic), Kenosha, Wis.

### 9183—Spring Cutting & Hook Machines

**SLEEPER & HARTLEY, INC.** (For Helical Bed Springs), 335 Chandler, Worcester, Mass.
*See adv index at end of book*

### 9183a—*Spring Grinding Machinery

**SLEEPER & HARTLEY, INC.**, 335 Chandler, Worcester, Mass.
*See adv index at end of book*

### 9183b—Spring Setting Machinery

**SLEEPER & HARTLEY, INC.**, 335 Chandler, Worcester, Mass.
*See adv index at end of book*

### 9184—Spring Stripping Machines (Hydraulic)

Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

### 9184a— *Squeezer Machines

Osborn Mfg. Co (Power), 5041 E Hamilton, Cleveland, O.
*See adv index at end of book*


OSBORN MOULDING MACHINES


### 9185—Squeezing Machines (Hand & Power)

Davenport Machine & Fdry. Co., Davenport, Ia.
Mumford E. H. Co. (For Foundries), Elizabeth, N. J.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.


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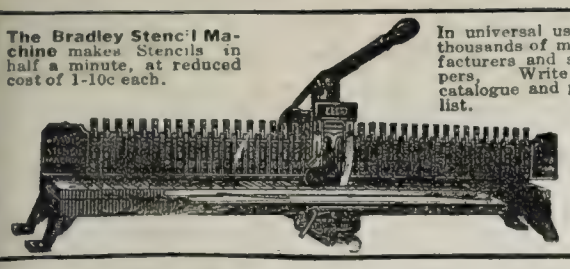

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Smith & Phillips Mfg. Co., 1008 W Madison, Chicago, Ill.

## Stamp Affixing Machines

See Postage Stamp Affixing Machines

## 9188— *Stamping Machinery

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

## 9189—*Stamping Machines (Adjustable)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 9190— Staple Machines

Baird Machine Co. (Automatic), Bridgeport, Conn.

Bates Machine Co., Joliet, Ill.

Nilson A. H. Machine Co. (Automatic), Bridgeport, Conn.

**SLEEPER & HARTLEY, INC.,** 335 Chandler, Worcester, Mass. *See adv index at end of book*

Special Machinery Co. (Special Automatic), Bridgeport, Conn.

## 9191— Stapling Machines

See also Wire Stapling Machinery

Acme Staple Co. Ltd. (Paper), Camden, N. J.

**EVEREADY MFG. CO. OF BOSTON** ("Eveready" Automatic Paper), 5 Knapp, Boston, Mass. *See adv index at end of book*

Hotchkiss E. H. Co. (Paper), Norwalk, Conn.

Saranac Machine Co., Benton Harbor, Mich.

## 9192—Starch Factory Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*

Hutchison Office Specialties Co. ("Spool-O-Wise"), 50 5th av, New York

Kaestner & Hecht Co., 500 Throop, Chicago, Ill.

Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.

Remmers B. & Sons, 1227 Germantown, Philadelphia, Pa.

Simpson-Orville Co., Cincinnati, O.

## 9193—Static Electric Machines

Dodd & Struthers, Des Moines, Ia.

Knott L. E. Apparatus Co. ("Knotts," Gear Driven), 79 Amherst, Cambridge, Mass.

McElliott D. P., 175 N State, Chicago, Ill.

Moore Bros. Lightning Rod Co., Maryville, Mo.

National-Standard Co., Box 211, Niles, Mich.

Waite & Bartlett Mfg. Co., ("Ranney"), 53 Jackson av, Long Island City, N. Y.

**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*

## 9194—Stave Cutting Machines

Rochester Barrel Mach. Wks, Rochester, N. Y.

Trevor Mfg. Co., Lockport, N. Y.

## 9195—Stave Equalizing Machines

Oram Jno. S. Co., 1316 E 53d, Cleveland, O.

Rochester Barrel Machine Works, Rochester, N. Y.

Trevor Mfg. Co., Lockport, N. Y.

## 9196—Stave Jointing Machines

American Sawmill Machinery Co., Hackettstown, N. J.

Fischer Machine Works (Band Saw), 1845 Carroll av, Chicago, Ill.

Mack & Co. ("D. R. Barton"), Rochester, N. Y.

Oram Jno. S. Co., 1316 E 53d, Cleveland, O.

Rochester Barrel Machine Works ("Widdowson," "Greenwood"), Rochester, N. Y.

Strait H. N. Mfg. Co., Kansas City, Kans.

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Wheland Co., Chattanooga, Tenn.

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Lange Machine Works, Aurora, Ill.

Stamm Machine Works, Aurora, Ind.

Trevor Mfg. Co., Lockport, N. Y.

## 9198—Stave Sawing Machines

American Sawmill Machinery Co., Hackettstown, N. J.

Rochester Barrel Mach. Wks, Rochester, N. Y.

Whitney Baxter D. & Son, Winchendon, Mass.

## Stave & Heading Machinery

See Barrel, Keg, Stave & Heading Machinery

## 9199—Staybolt Threading Machines

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.

Foote-Burt Co. ("Reliance"), 4101 St. Clair av, Cleveland, O.

Harrington Edwin Son & Co., 17th & Callowhill, Phila, Pa.

Landis Machine Co., Waynesboro, Pa.

## 9200—Staying Machines (Automatic)

Kingsbury & Davis Machine Co., (Quadruple), Contoocook, N. H.

National Metal Edge Box Co. (For Setting up Paper Boxes with Metal Stay), 1217 Callowhill, Phila., Pa.

## 9201—Steaming Machines (Clay)

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*

## 9202—Stencil Cutting Machines

Bradley A. J. Mfg. Co., 101 Beekman, New York *See adv index at end of book*

Bradley Stencil Machine Co., 3745 Forest Park blvd, St. Louis, Mo.

**DIAGRAPH STENCIL MACHINE CORP.,** 9th & Clinton, St. Louis, Mo. *See adv index at end of book*

Diagraph Co., 2121 N. 9th, St. Louis, Mo. *See adv index at end of book*

Ideal Stencil Machine Co., Belleville, Ill.

Matthews James H. & Co., 3942 Forbes, Pittsburgh, Pa.

New York Stencil Works ("National"), 100 Nassau, New York.


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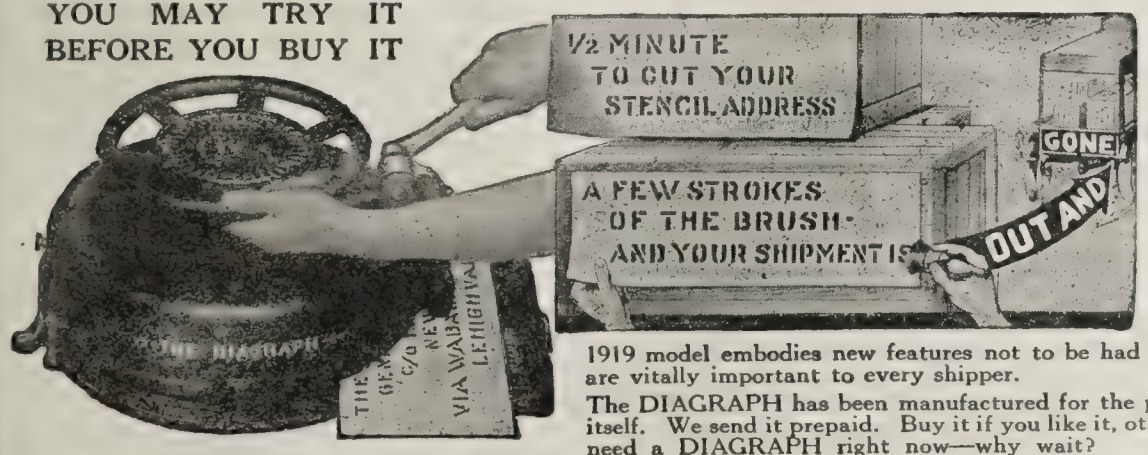


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## 9204-5—Sterilizing & Disinfecting Machines (Clothes)

Hospital Supply Co., 153 E 23d, New York
Troy Laundry Machinery Co., Ltd., 23d & La Salle, Chicago, Ill.

## 9206—Stone Channeling Machines

Bedford Foundry & Machine Co. (Electric), Bedford, Ind.
Ingersoll-Rand Co., (Steam or Air, Bar, Track & Undercutting), 11 B'way, New York. *See adv index at end of book*
New Albany Machine Mfg. Co. ("Wardwell"), New Albany, Ind.
Sullivan Machinery Co., Peoples Gas bldg, Chicago, Ill.

## 9207—Stone Channeling Machines (Steam, Air & Electric-Air)

**INGERSOLL-RAND CO.**, 11 B'way, New York *See adv index at end of book*

## Stone Crushing Machinery

See Crushers, Rock & Ore

## 9208—Stone Cutting Machinery

Lincoln Iron Works, Rutland, Vt.
St. Cloud Iron Works Co., St. Cloud, Minn.

## 9209—Stone Gadder or Drilling Machines

**INGERSOLL-RAND CO.**, 11 B'way, New York *See adv index at end of book*

## 9210—Stone Gang Sawing Machines

Anderson Geo. & Co., 420 Ogden, Newark, N. J.
Bielhen Foundry & Machine Works, St. Joseph, Mo.
Glover Machine Works (For Marble, etc.), Marietta, Ga.
Hinds Thomas Co., Malone, N. Y.
Lincoln Iron Works ("Merriman" Screw Feed, etc.), Rutland, Vt.
New Albany Machine Mfg. Co., New Albany, Ind.
Ruggles Machine Co., Poultney, Vt.
Savage, W. J. Co. (Marble), Knoxville, Tenn.

## 9211—Stone Polishing Machinery

Bielhen Foundry & Machine Works, St. Joseph, Mo.
Concord Axle Co., ("Jenny Lind"), Penacook, N. H.
Cooley-Wright Mfg. Co. (Buffers, Ironing
Granite City Iron Works Co. ("Minnesota"), St. Cloud, Minn.
Harrison Supply Co., 209 Washington, Boston, Mass.
Hinds, Thos. Co., Malone, N. Y.
Ingersoll-Rand Co., 11 B'way, New York *See adv index at end of book*
Lincoln Iron Works, Rutland, Vt.
Meyers W. F. Co., Bedford, Ind.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila, Pa.
Patch, F. R. Mfg. Co., Rutland, Vt.
Pittsburgh Crushed Steel Co., 61st & A. V. R. R., Pittsburgh, Pa.
St. Cloud Iron Works Co., ("Jenny Lind" & Column Polishers), St. Cloud, Minn.
Savage W. J. Co. (Marble), Knoxville, Tenn.
Smith, Whitcomb & Cook Co., Barre, Vt.
Withers Foundry & Machine Co., Atlanta, Ga.

## 9212—Stone Sawing Machines

Anderson Geo. & Co., 420 Ogden, Newark, N. J.
Bielhen Foundry & Machine Works, St. Joseph, Mo.
Frenier & Son, Rutland, Vt.
Hawley E. J. & C. H., Manchester, Vt.
Hinds Thos. Co., Malone, N. Y.
Lincoln Iron Works (Also Circular Sawing), Rutland, Vt.
New Albany Machine Mfg. Co., New Albany, Ind.
Patch F. R. Mfg. Co., (Also Circular Sawing), Rutland, Vt.
Ruggles Mach. Co. ("Ruggles"), Poultney, Vt.
Seward & Co., Bloomington, Ind.
Walton P. M., 1019 Gtn. av, Phila., Pa.
Wegner Machine Works, 63 Mills, Long Island City, N. Y.

## 9213—Stone Sifting Machines

Clark & Mills Electric Co., Cambridge, Mass.

## Stone Surfacing Machines

See Pneumatic Stone Surfacing Machines

## 9214—Stone Working Machinery

Anderson Geo. & Co. (Ltd.), 420 Ogden, Newark, N. J.
Bielhen Foundry & Machine Works, St. Joseph, Mo.
Brandell Co. (All Automatic Power Concrete Stone Working), Union Central Tower, Cincinnati, O.
Cooley-Wright Mfg. Co. (Buffers, Ironing Wheels, Polishing Machines, etc.), Waterbury, Vt.
Dallett Thos. H. Co. (Pneumatic), 1301 Federal, Phila., Pa.
Farrel Foundry & Machine Co. (Planers), Ansonia, Conn.
Flynn & Emrich Co., 305 N Holliday, Baltimore, Md.
Glover Machine Works (Gang Saws & Rubbing Beds for Marble), Marietta, Ga.
Hawley E. J. & C. H., Manchester, Vt.
Ingersoll-Rand Co., 11 B'way, New York *See adv index at end of book*
Lincoln Iron Works, Rutland, Vt.
Meier J. J. Machinery Co. (Stone, Marble, Granite, etc.), 3412 Woolworth bldg, New York. *See adv index at end of book*
Meyers W. F. Co., Bedford, Ind.
New Albany Machine Mfg. Co., New Albany, Ind.
Patch F. R. Mfg. Co., Rutland, Vt.
Ruggles Machine Co. (For Soft Stone, such as Slate, Soap & Sandstone), Poultney, Vt.
Savage W. J. Co. (Marble), Knoxville, Tenn.
St. Cloud Iron Works Co., St. Cloud, Minn.
Seward & Co., Bloomington, Ind.
Smith, Whitcomb & Cook Co., Barre, Vt.
Ty-Sa-Man Machine Co. (Marble), Knoxville, Tenn.
Wegner Machine Works (Coping & Moulding Machines, etc), 63 Mills, Long Island City, N. Y.

## 9215—Stove Pipe & Elbow Machines

Hemp & Co. ("Lightning"), Vandeventer, nr Shaw, St. Louis, Mo.

## Straightening Machines

See Index of Contents for Specific Kind Required

## 9215a—Straighting Knife Blade Machines

Luther Mfg. Co., Olean, N. Y.

## 9216—Straightening Machines for Bars, Squares, Flats, Etc.

**ABRAMSEN ENGINEERING CO.**, Pittsburgh, Pa.
Kane & Roach, Syracuse, N. Y.
**SHUSTER F. B. CO.**, Cedar Hills, New Haven, Conn. *See adv index at end of book*

## 9217— Stranding Machines

New England Machinery Co., New Haven, Conn.
Torrington Mfg. Co., Torrington, Conn.
Watson Machine Co., Paterson, N. J.

## 9218—Strawboard Lining Machines

Beloit Iron Works, Beloit, Wis.
Hobbs Mfg. Co., Worcester, Mass.

## 9219—Street Flushing Machines

Hvass Chas. & Co., 511 E 18th, New York
Kindling Machine Co. ("Kindling," Sprinkler, Sweep & Flusher Combined), Milwaukee, Wis.
O'Neil T. L. ("O. I. C.," "Economy"), Marseilles, Ill.
Sanitary Street Flushing Machine Co., 508 Biddle, St. Louis, Mo.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.

## 9220—Street Railway Sweeping Machines

See also Plows, Snow

Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Consolidated Car Fender Co. ("Campbell"), Vale, Providence, R. I.
Good Roads Machinery Co., Kenneth Sq., Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 9221—Street Sweeping Machines

Abbott Downing Truck & Body Co., Concord, N. H.
Acme Road Machinery Co., Frankfort, N. Y.
Austin Mfg. Co., 910 S Mich av, Chicago, Ill.
Elgin Street Sweeper Co. (Motor), Elgin, Ill.
Etnyre E. D. & Co., Oregon, Ill.
Good Roads Machinery Co., Kennett Square, Pa.
Hvass C. & Co., 509 E 18th, New York
Studebaker Corp., South Bend, Ind.
Universal Road Mach'y Co. ("Reliance"), Kingston, N. Y.

## 9222—Stretching Machines (Sheet Metal Plate)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

## 9223—Stretching Machines (Skein)

Knapp Chas. H., Paterson, N. J.

## 9224— Striking Machines

Herschell-Spillman Co. (For Parks & Pleasure Grounds), North Tonawanda, N. Y.

## 9225— String Bean Machinery

Huntley Mfg. Co. ("Monitor," Cutters, etc.), Silver Creek, N. Y.
Invincible Grain Cleaner Co. (For Canners), Silver Creek, N. Y.
Lewis E. J. ("Lewis" Cutting for Canners), Middleport, N. Y.

## 9226— Stripping Plate Machines

Osborn Mfg. Co. (Hand & Power, Heavy-Ditty), 5401 E Hamilton, Cleveland, O. *See adv index at end of book*

OSBORN MOULDING MACHINES

## 9227— Stucco Machinery

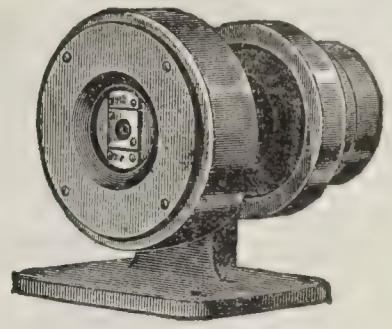
Butterworth & Lowe, Grand Rapids, Mich.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Ehrsam J. B. & Sons Mfg. Co., Enterprise, Kansas
Hodges Stucco Mach. Wks. (Electric), Union Central Tower, Cincinnati, O.
McDonnell Boiler & Iron Works, Des Moines, Ia.

## 9227a— Sugar Machinery

Consult also Index of Contents for Specific Article Desired

Du Vivier Ernest H. (Imp), 30 Church, New York.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
**FULTON IRON WORKS CO.**, St. Louis, Mo. *See adv index at end of book*
Harry Bros Co. (Coolers & Dust Collectors), Carrollton & I. C. R. R., New Orleans, La.
Sugar Machinery Co. (Automatic Spray Sugar Washer), Higgins bldg, Los Angeles, Cal.
Von Phil Gilbert O., Hibernia Bank bldg, New Orleans, La.

# Swaging Strengthens Metal



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The Dayton kneads and squeezes the metal by subjecting it to 2000 to 6000 blows a minute. It toughens, hardens and solidifies metal. And, unlike heat and abrasive treatments, it never results in any loss.

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## 9228—Sulphite Fibre Machinery

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Carthage Machine Co., Carthage, N. Y.

## 9229— Sulphur Machines

Hassell Iron Works Co., Colorado Springs, Col.
Krajewski-Pesant Corp., 50 Broad, New York

## 9230—Sulphuric Acid Machinery

Pratt Engineering & Machine Co. (Complete Plants), Atlanta, Ga.

## 9231— Suppository Machines

Colton Arthur Co. (Cold Compressed), 782 E Jefferson, Detroit, Mich.
Stokes F. J. Machine Co. ("Clark" Rotary, Phila., Pa.

## 9232— Swaging Machines

Etna Machine Co. (Cold), Toledo, O.
Langelier Mfg. Co. (Cold & Hot Swaging, Hammering, Wire Wheel Spoke Swaging Machines), Arlington, Providence, R. I.
Standard Machinery Co. (Rotary), Providence, R. I.
**TORRINGTON CO., THE EXCELSIOR PLANT,** successor to Excelsior Needle Co. ("The Dayton"), Torrington, Conn. *See adv index at end of book*
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## 9233— Swedging Machines

Canton Foundry & Machine Co. "Universal" (Power, for Swedging Ends of Conductor Pipe), Canton, O.
Mac Leod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*

## 9234—Syrup Filling Machines (Canners')

Fulton Engine Works, 1000 Alhambra, Los Angeles, Cal.
Premier Machinery Co., Oakland, Cal.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 9235— Syruping Machines

Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.
Stickney Henry R., Portland, Me.

## 9236—Tablet Counting & Boxing Machines

Fowler Bottling Machine Co., 124 White, New York

## 9237— Tablet Machines

See also Pill Making Machines
Colton Arthur Co., 782 E Jefferson, Detroit, Mich.
Hess & Barker ("Richard's" Universal Automatic), 618 Chestnut, Phila., Pa.
Mulford H. K. Co., 428 S 13th, Phila., Pa.
Stokes F. J. Machine Co., 17th & Cambria etc), 17th & Cambria, Phila., Pa.

## 9238— Tabulating Machines

Computing Tabulating Recording Co., 50 Broad, New York
Powers Accounting Machine Co., 50 Church, New York
Tabulating Machine Co. ("Hollerith"), 50 Broad, New York

## 9239— Tack Machinery

Bristol Machine Tool Co. (Upholsterer's Tack), Bristol, Conn.
Kimball Bros. & Sprague, Brockton, Mass.
Miller's H. J. Sons, Bridgewater, Mass.
Perkins Henry Co. ("Improved Perkins"), Bridgewater, Mass.
**SLEEPER & HARTLEY, INC.,** (Double-Point), 335 Chandler, Worcester, Mass. *See adv index at end of book*

## 9240—Tack Pulling Machines

United Shoe Machinery Co. (For Shoes), 205 Lincoln, Boston, Mass.

## 9241— Tag Machinery

American Mach,. Co. ("Denney") Newark, Del.
**EVEREADY MFG. CO. OF BOSTON** (For Making & Affixing Price Tags), 5 Knapp, Boston, Mass. *See adv index at end of book*
Swift Geo. W., Jr., Bordenstown, N. J.

## 9242—Tag Stringing Machines

Hobbs Mfg. Co., Worcester, Mass.

## 9243—Tailors' Pressing Machines

Geyer Ed. J. ("Champion"), Rochester, N. Y.
Lufkin Jno. W. & R. H., 38 Chardon, Boston, Mass.
Newman Mfg. Co., 717 Sycamore, Cincinnati, Ohio, & 68 W Washington, Chicago, Ill. *See adv index at end of book*
Zacharias Edwin H., Reading, Pa.

## 9244— Talking Machines

Acme Engineering & Mfg. Co., 355 Union Park Ct, Chicago, Ill. *See adv index at end of book*
Aeolian Co., 29 W 42d, New York
American Graphophone Co., Bridgeport, Conn.
American Phonograph Co., 322 E 23d, New York
Arion Mfg. Co., Boston, Mass.
Burnham Phonograph Mfg. Co., 1929 S Los Angeles, Cal.
Brunswick Balke-Collender Co., 629 S Wabash av, Chicago, Ill.
Burrowes E. T. Co. ("Burrowes"), Portland, Me.
Carola Co., 118 Noble ct, Cleveland, O.
Cheney Talking Machine Co., 1107 B'way, New York
Columbia Graphophone Co. ("Dictaphone"), 233 B'way, New York
Crescent Talking Machine Co., 109 Reade, New York
Domestic Talking Machine Co., 33d & Arch, Philadelphia, Pa.
Eagle Talking Machine Co., 75 Fulton, New York
Edison Thomas A. ("Edison Phonographs"), Orange, N. J.
Emerson Phonograph Co., 3 W 35th, New York
Flemish Lynn Phonograph Co., 269 37th, Brooklyn, N. Y.
General Phonograph Mfg. Co. ("Baby Toy" Phonographs & "Garford Model E," "Vanophone"), Elyria, O.
Klingsor Talking Machine Co., 415 Armour, Chicago, Ill.
Koehler & Hinrichs, St. Paul, Minn.
Lorimer Mfg. Co., Troy, O.
Lyraphone Co. of Am., 12 W 37th, New York
McCoy P. J. & Co., Inc. ("Orpheus"), 70 Ferry, Newark, N. J.
Mandel Mfg. Co., 501 S Laflin, Chicago, Ill.
Melophone Talking Machine Co., 376 Lafayette, New York
Milwaukee Talking Machine Co., 241 E Water, Milwaukee, Wis.
Mozart Talking Machine Co., 1432 N 20th, St. Louis, Mo.
Music Table Co., Greenfield, Ohio
Natural Voice Phonograph Co., Inc. ("Natural Voice"), Oneida, N. Y.
Novitas Sales Co. ("Novitas"), Waltham, Mass.
Pathe Freres Phono Co., 18 E 42d, New York
Peters & Herron Co., 2016 S High, Columbus, Ohio.
Phelps Factories ("Mastertone"), Columbus, Ohio
Plaza Music Co. (Supertone), 10 W 20th, New York
Rishell Phonograph Co., Williamsport, Pa.
Schultz M. Co. ("Magnola"), 711 Milwaukee av, Chicago, Ill.
Sonora Phonograph Corp., 279 B'way, New York
Stewart Phonograph Corp. ("Stewart's"), 4535 Fullerton av, Chicago, Ill.
Supertone Talking Machine Co.,18 W 20th, New York
Thomas Mfg. Co., Dayton, O.
United Phonographs Corp., Sheboygan, Wis.
Universal Talking Machine & Record Co., 5021 Baltimore, Philadelphia, Pa.
Victor Talking Machine Co., Camden, N. J.
Vita-nola Talking Machine Co., 501 W 35th, Chicago, Ill.
Weser Bros., Inc., 524 W 43d, New York
Wilson Thos. E. & Co. ("Wilson"), 727 N Sangamon, Chicago, Ill.
Wing & Co., 9th av & 13th, New York
Wonder Talking Machine Co., 105 E 12th, New York
Wondertone Phonograph Co. ("Wondertone"), 19 W Jackson blvd, Chicago, Ill.

## 9245-6-7—Tamale Making Machinery

Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.

## 9248-9— Tannery Machinery

American Tool & Machine Co. (Belt Knife Splitting Machines), 10 High, Boston, Mass.
Associated Tanners Machinery Co., 424 Essex, Salem, Mass.
Aulson, J. W. & Sons, Waukegan, Ill.
Baker G. W. Machine Co., Wilmington, Del.
Caldwell W. E. Co., Louisville, Ky.

TANNERY MACHINERY—continued

**Carley Heater Co., Olean, N. Y.**
**Dennis John Machine Co., Lowell, Mass.**
**Grainger & Co., Louisville, Ky.**
**Hemingway Machine Co., Lynn, Mass.**
Hide & Leather Working Machine Co. 4215 Meinecke av, Milwaukee, Wis.
**Horn Wm. H. & Bro. (Bark Mills, Splitting Machines & Tanners' & Curriers' Tools), 451 N 3d, Phila., Pa.**
Hutchinson Leather Machine Co., Winchester, Mass.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
*See adv index at end of book*
Munkwitz Edw. H. Co., 159 Muskego av, Milwaukee, Wis.
Myers Machine Co., Sheboygan, Wis.
Myrick Machine Co., Olean, N. Y.
Ruhe Carleton Co., Olean, N. Y.
Shapley & Wells, Binghamton, N. Y.
Slocomb F. F. & Co., 14th & Poplar, Wilmington, Del.
Smith's Jno. E. Sons Co. (Steam Jacket Kettles, Stuffing Mixers, Rendering Tanks, etc), Buffalo, N. Y.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Turner Tanning Machine Co. ("Turner"), Peabody, Mass.
Whitney Machine Co., Winchester, Mass.
Woburn Machine Co., Woburn, Mass.

## 9250—Taper Rolling Machines

Coulter & McKenzie Mach. Co., Bridgeport, Conn.
Williams White & Co. (For Tapering or Forging Shapes), Moline, Ill.

## 9251—Taper Threading Machines

Acme Machinery Co., 4533 St. Clair, av, Cleveland, O.
Landis Machine Co., Waynesboro, Pa.

## 9252—Taper Tube Spinning Machines

Langelier Mfg. Co., Arlington, Providence, R. I.

## 9253— Tapping Machines

See also Nut Tapping Machines; also Tapping Machines for Gas & Water Mains

Allen Machine Co., 1585 Columbus rd, Cleveland, O.
Anderson Die Machine Co. ("Anderson," Vertical-Spindle), 544 Iranistan av, Bridgeport, Conn.
Baker Bros. (For Pipe Flanges, Fittings, Tees, Crosses, etc), Toledo, O.
Barnes Drill Co., Rockford, Ill.
Baush Machine Tool Co., Springfield, Mass.
Bicknell-Thomas Co. ("Bicknell-Thomas"), Greenfield, Mass.
Burke Machine Tool Co., Conneaut, O.
Cleveland Specialty & Mfg. Co., Cleveland, O.
Colburn Machine Tool Co., Franklin, Pa.
Evans Stamping & Plating Co. ("Tuttle" Vertical), Taunton, Mass.
Garvin Machine Co. (Vertical, Horizontal & Automatic, etc), 147 Varick, New York
Harris Engineering Co. ("H. G. H."), Bridgeport, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Hays Mfg. Co., Erie, Pa.
Hub Machine Welding & Contracting Co. ("Acme," Hand), 450 N 12th, Phila., Pa.
Hubbell Harvey, Bridgeport, Conn.
International Machine Tool Co., Society for Savings bldg., Cleveland, O.
Manville E. J. Machine Co., Waterbury, Conn.
National Automatic Tool Co. ("Natco"), Richmond, Ind.
Partridge E. O., 2039 W Lake, Chicago, Ill.
*See adv index at end of book*
**Peter Bros. Mfg. Co., Algonquin, Ill.**
**Pratt & Whitney Co., Hartford, Conn.**
**Quint A. D., Hartford, Conn.**
Rickert-Shafer Co. (Horizontal & Vertical), Erie, Pa.
**St. Louis Machine Tool Co. (For Small Parts), 922 Loughborough, St. Louis, Mo.**
Stark Tool Co. (Small), Waltham, Mass.
United Engineering & Foundry Co. (For Tube Mills), Keenan bldg, Pittsburgh, Pa.

## 9254—Tapping Machines (Automatic)

Elgin Tool Works, Elgin, Ill.

## 9255—Tapping Machines (Bench)

Bicknell-Thomas Co. ("Bicknell-Thomas" Horizontal & Vertical), Greenfield, Mass.
Elgin Tool Works, Elgin, Ill.
**Fenn Mfg. Co. ("Fenn"), 385 Broad, Hartford, Conn.**
Partridge E. O., 2047 Lake, Chicago, Ill.
*See adv index at end of book*
**Rickert-Shafer Co., Erie, Pa.**
**Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.**
Stewart S. A. & Co., Waltham, Mass.

## 9256—Tapping Machines (Dry Pipe)

**Hays Mfg. Co., Erie, Pa.**
**Lennox Machine Co., 2558 W 16th, Chicago, Ill.**
**Mueller H. Mfg. Co., Decatur, Ill.**

## 9257—Tapping Machines (Gas & Water Main)

Hadesty J. M. & Son, Tamaqua, Pa.
Hays Mfg. Co. ("Original-Payne's"), Erie, Pa.
**Lennox Machine Co. (For Tapping Water Mains Under Pressure), 2558 W 16th, Chicago, Ill.**
**Mueller H. Mfg. Co., Decatur, Ill.**
**Pottstown Machine Co. (Automatic Vertical for Pipe Fittings), Pottstown, Pa.**
**Saunders D. Sons, Yonkers, N. Y.**
**Smith A. P. Mfg. Co. ("Smith"), East Orange, N. J.**
**Walworth Mfg Co, Boston, Mass**

## 9258—Tapping Machines (Horizontal)

**Pratt & Whitney Co, Hartford, Conn.**
**Rickert-Shafer Co., Erie, Pa.**
**Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.**

## 9259—Tapping Machines (Multiple)

Williams, White & Co. (For Pipe Fittings), Moline, Ill.

## Tapping Machines (Nut)

See Nut Tapping Machines

## 9260—Tapping Machines (Pipe-Socket)

**Saunders' D. Sons, Yonkers, N. Y.**
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

## Tapping & Reaming Machines (Pneumatic)

See Pneumatic Hammers

## 9261—Tapping & Reaming Machines (Portable)

**GEM MFG. CO.** ("Gem," for use with Flexible Shafts), Goebel, nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*
Stow Flexible Shaft Co., 26th & Callowhill, Philadelphia, Pa.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*

## 9262—Tapping & Threading Machines

Jenks H. F. Co. (For Operating Taps & Dies), Pawtucket, R. I.
Rickert-Shafer Co., Erie, Pa.

## 9263—Telephone Core Machines

Watson Machine Co., Paterson, N. J.

## Tenoning Machines

See Wood Tenoning Machines

## 9263a—*Tension Testing Machines

Electrical Mfrs. Equipment Co. (Wire Devices), 712 Postal Telegraph bldg, Chicago, Ill. *See adv index at end of book*
Elmes Chas. F. Eng. Wks., Inc., cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 9264—Terra Cotta Machinery

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Ivens Wm. H. Sons Co. (Rubbing Beds & Surface Grinders), P. O. Box 647, Trenton, N. J.

## 9265—Test Hole Drilling Machines

Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Loomis Machine Co. (For Foundations, Test Holes, Blast Holes, etc), Tiffin, O.

## 9266— Testing Machines

**Buffalo Scale Co. (Testing up to 5,000 lbs.), 1205 Niagara, Buffalo, N. Y.**
**Ford Meter Box Co., Wabash, Ind.**
Gries Bros., 450 E 148th, New York
Holz & Co., Inc. ("Ericksen"), 18 Madison av, New York
*See adv index at end of book*

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*See adv index at end of book*
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**Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.**
Sawveur & Boylston ("Charpy," "Impact," "Brinell" Hardness), Cambridge, Mass.
Scientific Materials Co. (Metal Testing Machines), 717 Forbes, Pittsburgh, Pa.
**SHORE INSTRUMENT & MFG. CO., THE** (For Testing Strength & Hardness of Materials), Jamaica, N. Y.
**Smith A. P. Mfg. Co., East Orange, N. J.**
Star Brass Mfg. Co. ("Star" Dead Weight Gauge), 53 Oliver, Boston, Mass.
Whiting Foundry Equipment Co., 157th & Halsted, Chicago, Ill.

## 9267-8—Testing Machines (Anchor)

**Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.**

## 9269—Testing Machines (Belt)

**Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.**

## 9270—Testing Machines (Boiler)

**Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.**

## 9271—Testing Machines (Brick)

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
**Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.**
**Strait H. N. Mfg. Co., Kansas City, Kansas**

## 9272—Testing Machines (Can)

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
Ayars Machine Co., Salem, N. J.
**BLISS E. W. CO.,** 19 Adams, Brooklyn,
*See adv index at end of book*
Lewis E. J., Middleport, N. Y.
McDonald Machine Co. (Automatic), 3207 Shields av, Chicago, Ill.

Premier Machinery Co., Oakland, Cal.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
Stevenson & Co. ("Mann-Stevenson" Automatic), 607 S Caroline, Baltimore, Md.
Stoll D. H. Co., Buffalo, N. Y.
Wold, Torris & Co. (Automatic), 240 N Ashland av, Chicago, Ill.

## 9273-4—Testing Machines (Car Wheel)

Whiting Foundry Equipment Co., 157th & Halsted, Chicago, Ill.

## 9275—Testing Machines (Cement)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Bausch & Lomb Optical Co. (Instruments), Rochester, N. Y.
Clark & Mills Electric Co. (Also for Testing Stone & Road Materials), Cambridge, Mass.
Elmer & Amend, 205 3d av, New York
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
International Instrument Co. (Also for Testing Stone & Road Materials), Cambridge, Mass.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

## 9276—Testing Machines (Chain)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

## 9277-8—Testing Machines (Concrete)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Premier Machinery Co., Oakland, Cal.

## 9279—Testing Machines (Fruit Can)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 9279a—Testing Machines (Glass)

Shore Instrument & Mfg. Co., The, Jamaica, N. Y.

## 9280—Testing Machines (Hardness)

Gries Bros., 450 E 148th, New York
Holz & Co., Inc. ("Brinell" & Meters), 18 Madison av, New York
*See adv index at end of book*
Olsen Tinius Testing Machine Co. (Lever, Hydraulic & Bench), 500 N 12th, Phila., Pa.
Pittsburgh Instrument & Machine Co. ("Brinnell"), 236 3d av, Pittsburgh, Pa.
Sawveur & Boylston ("Brinell"), Cambridge, Mass.
**SHORE INSTRUMENT & MFG. CO., THE** (Scleroscope), Jamaica, N. Y.

## 9281—Testing Machines (Hosiery Fabric)

Perkins B. F. & Son, Holyoke, Mass.

## 9282—Testing Machines (Hydraulic)

Holz & Co., Inc., 18 Madison av., New York
*See adv index at end of book*
Knapp C. H. (For Cloth, Paper, etc), Paterson, N. J.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

## 9283—Testing Machines (Leather)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

## 9283a—*Testing Machines (Metal)

Holz & Co., Inc., 18 Madison av., New York
*See adv index at end of book*
**SHORE INSTRUMENT & MFG. CO., THE,** Jamaica, N. Y.

## 9284—Testing Machines (Oil)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

## 9285—Testing Machines (Paper)

See also Testers, Paper

Ashcroft Mfg. Co., 119 W 40th, New York
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

## 9286—Testing Machines (Pipe)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
**Taylor-Wilson Mfg. Co. (Hydraulic), McKees Rocks, Pa.**
United Engineering & Foundry Co. (For 2 to 12-inch Pipe), Keenan bldg, Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
**WATSON-STILLMAN CO., 38 Church, New York** *See adv index at end of book*

## 9287—Testing Machines (Power)

**HENDERSON BROS. CO.,** 133 S Leonard, Waterbury, Conn.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

## 9288—Testing Machines (Rubber)

Hartford Special Machinery Co. (Dynamometers), Hartford, Conn.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Pusey & Jones Co. ("Plastometer"), Wilmington, Del.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
Shore Instrument & Mfg. Co., The, Jamaica, N. Y.

## 9289—Testing Machines (Sink & Float)

Penna. Crusher Co. ("Delamater"), Stephen Girard bldg, Phila., Pa.

## 9290—Testing Machines (Spring)

Evans' J. Sons, 506 N 13th, Phila., Pa.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Ryerson Jos. T. & Son (Hydraulic), 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
Townsend Foundry & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*

## 9291—Testing Machines (Steel)

Bidle W. S. Co., 1411 E 45th, Cleveland, O.
Gries Bros., 450 E 148th, New York
Holz & Co., Inc., 18 Madison av., New York
*See adv index at end of book*
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehler Bros. Testing Machine Co., Phila., Pa.

## 9292—Testing Machines (Stone)

Clark & Mills Electric Co., Cambridge, Mass.
International Instrument Co., Cambridge, Mass.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
**SHORE INSTRUMENT & MFG. CO., THE,** Jamaica, N. Y.

## Testing Machines (Textile)

See Testing Machines, Cloth; also Testing Machines, Yarn

## 9293-4—Testing Machine (Traction)

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.

## Testing Machines (Water Meter)

See Testers, Water Meter

## 9295—Testing Machines (Wire)

Holz & Co., Inc., 18 Madison av., New York
*See adv index at end of book*
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

## Textile Machinery

See Specific Article Wanted

## 9296—Thermometer Dividing Machines

Burr Co., Champaign, Ill.

## 9296a—Thread Board (Steel)

Houghton L. T., Worcester, Mass.

## 9296b—Thread Grinding Machinery

Am. Thread Grinding Machine Co., 151 E 126th, New York
Precision & Thread Grinder Mfg. Co., 1923 Arch, Phila., Pa.

## 9297—Thread Rolling Machines

Acme Machinery Co. (Rotary), 4533 St. Clair av, Cleveland, O.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
**BLISS E. W. CO.** (Sheet Metal), 19 Adams, Brooklyn, N. Y.
*See adv index at end of book*
Manville E. J. Mach. Co., Waterbury, Conn.
Nilson A. H. Machine Co. (Reciprocating), Bridgeport, Conn.
Waterbury Farrel Foundry & Machine Co. (Reciprocating), Waterbury, Conn.

## 9298—Threading Machines (Bicycle Spoke)

Goodell-Pratt Co., Greenfield, Mass.
Manville E. J. Machine Co., Waterbury, Conn.

## 9299-300—Threading Machines (Metal)

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## Threshing Machinery

See Threshers

## 9301—Thumbhole Cutting Machines

Chase Turbine Mfg. Co. ("Chase's" Automatic), Orange, Mass.
Hobbs Mfg. Co. (For Paper Box Makers), Worcester, Mass.

## Ticket Cancelling Machines

See Cancelling Machines

## 9302—Tie Dowelling Machines

Greenlee Bros. & Co., Rockford, Ill.

## 9303—Tiering Machines (Portable)

Brown Portable Conveying Machinery Co. (Inclined & Vertical for Bags, Boxes, etc.), 10 S La Salle, Chicago, Ill.
Economy Engineering Co., 415 S Washtenaw av, Chicago, Ill.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Minnich Machine Works, Landisville, Pa.
Revolvator Co., 395 Garfield av, Jersey City, N. J. *See adv index at end of book*

## 9304—Tile Making Machines

See also Drain Tile Machinery

Automatic Tile Machine Co., Cincinnati
Crossley Machine Co. (Floor & Wall Tile), State & Chestnut av, Trenton, N. J.
*See adv index at end of book*

TILE MAKING MACHINES—continued

Hetherington & Berner (Encaustic Ceramic), Indianapolis, Ind.
Mueller Machine Co., Trenton, N. J.
Patterson Fdry. & Mach. Co., E. Liverpool, O.

## 9305— Tile Sizing Machines

Automatic Tile Machine Co., Cincinnati, O.
Lincoln Iron Works, Rutland, Vt.

## Timber Dressing Machines

See Wood Surfacing Machines

## 9306—Timber Framing Machines

Denver Engineering Works Co. (Single End), Denver, Col.
Engelbach Mach. Mfg. Co., Leadville, Col.

## 9307—Timber Gaining Machines

Fay J. A. & Egan Co., Cincinnati, O.

## 9308—Timber Preserving Machinery

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

## Timber Sizing Machines

See Planing & Matching Machines

## 9309— Tin Can Machinery

See Can Makers' Machinery; also Sheet Metal Workers' Machines & Tools
Fulton Engine Wks., 1000 Alhambra, Los Angeles, Cal.

## 9310— Tin Foil Machinery

Birmingham Iron Foundry, Derby, Conn.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

## 9311—Tin Mounting Machines

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
U. S. Finishing & Mfg. Co., 216 N Clinton, Chicago, Ill.

## 9312—Tin Plate Lacquering & Varnishing Machines

Ohl Geo. A. & Co. (For Coating Tin, Iron, Metal, Cardboard, etc.), 159 Oraton, Newark, N. J.

## 9313—Tin Plate Mill Machinery

See also Rolling Mill Machinery, Etc.

Aetna Fdry. & Mach. Co., Warren, O.
Anderson Foundry & Machine Works, (Pickling & Tinning Machines, Branners, Dusters, etc.), Anderson, Ind.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hyde Park Fdry. & Mach. Co., Hyde Park, Pa.
National Roll & Foundry Co., Avonmore, Pa.
Newbold R. S. & Son Co., Norristown, Pa.
Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Swindell Wm. C. & Bro., Jenkins Arcade bldg, Pittsburgh, Pa.
United Engineering & Fdry. Co., Keenan bldg, Pittsburgh, Pa.
Wheeling Mold & Fdry. Co., Wheeling, W. Va.

## 9314-5—Tinners' Grooving Machines

Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.

## Tinners' Tools & Machinery

See Sheet Metal Workers' Machines & Tools

## 9316—*Tinware Making Machinery (Pierced & Seamless)

BLISS E. W. CO., 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 9317—Tipping Machines (Corset & Shoe Lace)

Franklin Machine Co. ("Franklin" Power), 1 Park, Providence, R. I.
*See adv index at end of book*
Luther C. A. & Co. ("Dawson"), Pawtucket, R. I.
Norden S. & Co., 150 S Water, Providence, R. I.
Union Metal Goods Co. (Shoe Lace), Pawtucket, R. I.

## 9318-9—Tire Applying Machines

Lourie Mfg. Co. (Presses), Springfield, Ill.
Nelson & Le Moon, 849 N Kedzie av, Chicago, Ill.

## 9320-1— Tire Rolling Machines

Williams, White & Co., Moline, Ill.

## Tire Setting Machines

See Setters, Tire

## 9322—Tire Welding Machines

Kane & Rosch, Syracuse, N. Y.
Long & Allstatter Co., Hamilton, O
MacLeod Co., 2227 Bogen Cincinnati, O.
*See adv index at end of book*
Williams, White & Co., Moline, Ill.

## 9323—Tissue Paper Machines

Beloit Iron Works ("Yankee," Cylinder), Beloit, Wis.

## 9324—Tobacco Box (Tin) Machinery

BLISS E. W. CO., 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 9325—Tobacco Cleaning & Separating Machines

Cardwell Mach. Co. (Stem), 1900 E Cary, Richmond, Va.

## 9326—Tobacco Cutting Machines

See also Cutters, Tobacco

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Adt Jno. B. Co., 340 N Holliday, Baltimore, Md.
Buckeye Iron & Brass Works ("Pease"), Dayton, O.
Cardwell Machine Co. (Power), 1900 E Cary, Richmond, Va.
Comas Machine Co., Salem, Va.
Himoff Machine Co., Mills, Astoria, L. I., N. Y.
Ludington Cigarette Mach. Co., Waterbury, Conn.

## 9327—Tobacco Farming Machinery

Belcher & Taylor Agricultural Tool Co. Ridgers), Chicopee Falls, Mass.
Nagley Mfg. Co. (Spears), Lyons, N. Y.

## 9328—Tobacco Granulating Machines

Adt Jno. B. Co., 340 N Holliday, Baltimore, Md.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Comas Machine Co., Salem, Va.

## 9329—Tobacco Hoeing Machines

Allen S. L. & Co., 5th & Glenwood, Phila., Pa.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Madison Plow Co., Madison, Wis.

## 9330—Tobacco Hogshead Machines

Gilmour Hogshead Mach. Co., Owensboro, Ky.

## 9331—Tobacco Knife Grinding Machines

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Diamond Machine Co. ("Diamond"), Providence, R. I.

## 9332— Tobacco Machinery

Abbe Engineering Co. (Pulverizers), 216-224 B'way, New York
*See adv index at end of book*
Adt Jno. B. Co. (Granulators, Separators, Cutters, Dryers, Coolers, Stem Rollers & Packers), 340 N Holliday, Baltimore, Md.
American Machine & Foundry Co. (Packing & Weighing, Scrap Packer & Weigher, Plug Wrapping & Banding), 5520 2d av, Brooklyn, N. Y.
Appomattox Iron Works & Supply Co., Petersburg, Va.
Automatic Packing & Labeling Co., 5520 2d av, Brooklyn, N. Y.
Cardwell Machine Co. (Granulators, Pickers, Dryers, Cutters, Shapes or Moulds & Casing Machines), 1900 E Cary, Richmond, Va.
Grote F. Mfg. Co. (Hydraulic) & Electric Presses), Evansville, Ind.
International Cigar Machinery Co., 5520 2d av, Brooklyn, N. Y.
Ludington Cigarette Mach. Co., Waterbury, Conn.
McGOWAN JNO. H. CO., Fourth Nat'l Bank bldg, Cincinnati, O.
*See adv index at end of book*
Miller, DuBrul & Peters Mfg. Co., 507 E Pearl, Cincinnati, O.
Proctor & Schwartz, Inc. ("Proctor" Automatic Dryers, Coolers, Orders & Softeners, etc), 7th & Tabor rd, Phila., Pa. *See adv index at end of book*
Ripley Foundry & Machine Co. ("Parker," Portable Presses, Steamers, Stationary, etc), Ripley, O.
Standard Tobacco Stemmer Co., 5520 2d av, Brooklyn, N. Y.
Titus E. E., Petersburg, Va.
Westbrook Elevator Mfg. Co., Danville, Va.

## 9333—Tobacco Scrap Cutting Machines

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Miller, DuBrul & Peters Mfg. Co. ("DuBrul," "Picadura"), 507 E Pearl, Cincinnati, O.

## 9334—Tobacco Stem Flattening Machines

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Comas Machine Co., Salem, Va.
Himoff Machine Co., 50 Church, New York

## 9335—Tobacco Stemming Machines

American Machine & Foundry Co. ("Standard"), 5520 2d av, Brooklyn, N. Y.

## 9335a—Tobacco Wringing Machines

American Wringer Co., 99 Chambers, New York
Cardwell Machine Co., 1900 E Cary, Richmond, Va.

## 9336—Toilet Paper Machines

Dietz Machine Works (Slitting, Perforating & Rewinding), 126 Fontain, Phila., Pa.
Grissinger Machine Works, 904 Quarry, Phila., Pa.
Kidder Press Co. (Slitting, Perforating & Rewinding), Dover, N. H.

## 9337— Toilet Pin Machinery

Baird Machine Co. (Automatic), Bridgeport, Conn.

## 9338—Toilet Soap Machinery

Rutschman Oscar F., 1906 E Westmoreland, Phila., Pa.

## Tomato Can Filling Machines

See Can Filling Machines

## 9339—*Tomato Canners' Machinery

LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P R Ry, Phila., Pa. *See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

## 9340—Tomato Crushing, Pulping & Finishing Machines

Premier Machinery Co., Oakland, Cal.
U. S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.

## 9341-2—Tomato Transplanting Machines

Premier Machinery Co., Oakland, Cal.
**Sprague Canning Machinery Co., 222 N Wabash av, Chicago, Ill.**

## 9343—Tow Mill Machinery

New Winona Mfg. Co. ("Diamond"), Winona, Minn.

## 9344—Trace Trimming Machines

Campbell-Bosworth Machine Co. ("Boston" Automatic), 205 Lincoln, Boston, Mass.

## 9345—Trade Marking Machinery

**Parks & Woolson Machine Co. (Cloth), Springfield, Vt.**

## 9346-7—Transfer Issuing Machines

**Automatic Appliance Co., 172 Columbus av, Boston, Mass.**
Ohmer Fare Register Co., Dayton, O.

## Trench Machines

**See Sewer & Trench Excavating Machines**

## 9348— Trunk Machinery

**Defiance Machine Works (Slat Planers, etc.), Defiance, O.**
Titus E. E., Petersburg, Va.

## 9349—Trunk Slat Staining & Varnishing Machines

Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.

## 9350—Tub & Pail Machinery

**BLISS E. W. CO. (Sheet Metal), 19 Adams, Brooklyn, N. Y.**
*See adv index at end of book*
Gerlach Peter Co. (Wood also for Churn, Ice Cream Freezer, Fish Kit, etc), 1712 Winter, Cleveland, O.
Goodspeed Machine Co., Winchendon, Mass.

## 9351-2— Tubbing Machines

Smith Richardson Co., (Or Polishing Tank), Attleboro, Mass.

## Tube Cutting Machines

**See Cutters Flue; also Pneumatic Flue Cutters**

## 9353-4-5—Tube Filling Machines

**Kane & Roach, Syracuse, N. Y.**
Premier Machinery Co., Oakland, Cal.
Ross Chas. & Son Co. (For Paste, Oil & Cosmetics), 148 Classon av, Brooklyn, N. Y.
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.

## Tube Mill Machinery

**See Pipe & Tube Mill Machinery**

## 9356—Tube Reducing Machines

Standard Machinery Co., Providence, R. I.

## 9357—Tube Rolling & Cutting Machines (Paper)

Knowlton M. D. Co. (Also Cardboard), 26 Elizabeth, Rochester, N. Y.

## 9358—Tube Tapering Machines

**TORRINGTON CO., THE EXCELSIOR PLANT**, successor to Excelsior Needle Co. ("Dayton"), Torrington, Conn.
*See adv index at end of book*

## 9358a—*Tubing (Flexible Metallic) Machinery

**SLEEPER & HARTLEY, INC.**, 335 Chandler, Worcester, Mass.
*See adv index at end of book*

## 9359— Tufting Machines

Backstay Machine & Leather Co., Union City, Ind.
Buser-Poston Tufting Mach. Co., Chillicothe, O.
Tufting Machine Supply Co., 268 E Jefferson, Detroit, Mich.

## 9360—Tumbler Grinding Machines

Sigwaart & Rolston, 341 2d av, Pittsburgh, Pa.

## 9361—Tungsten Lamp Wire Machinery

**Langelier Mfg. Co., Arlington, Providence, R. I.**
**SLEEPER & HARTLEY, INC.** (Filament Coiling), 335 Chandler, Worcester, Mass. *See adv index at end of book*

## 9362-3—Turpentine Machinery

Joubert & Goslin Mach. & Foundry Co., Birmingham, Ala.

## Twine Making Machinery

**See Cordage Machinery**

## 9364—Type Casting Machines

Intertype Co., 50 Court, B'klyn, N. Y.
Thompson Type Machine, 233 W Erie, Chicago, Ill.
Universal Type Making Machine Co. ("Nuernberger-Rettig," Automatic), 732 Federal, Chicago, Ill.

## 9365—Type Setting & Type Distributing Machines

**Brown R. H. & Co., New Haven, Conn.**
Intertype Corp. (Type Setting), 50 Court, Brooklyn, N. Y.
Lanston Monotype Machine Co. (Typesetting), 24th & Locust, Phila., Pa.
Linograph Co. (Type Setting), Davenport, Ia.
Mergenthaler Linotype Co., 154 Nassau, New York
Superior Type Co., 3940 Ravenswood av, Chicago, Ill.
**Unitype Co., 30 Monitor, Jersey City, N. J.**

## 9366-7—Upsetting & Forging Machines

**See also Upsetters, Tire**

Acme Machinery Co., 4533 St. Clair av, Cleveland, O.
Ajax Mfg. Co. (Axle), 3830 Lakeside av, Cleveland, O.
**Bethlehem Steel Co. (Steam Hydraulic), South Bethlehem, Pa.**
National Machinery Co., Tiffin, O.
**Niles-Bement-Pond Co., 111 B'way, New York**
Pawtucket Mfg. Co., Pawtucket, R. I.
Williams, White & Co. ("Moline"), Moline, Ill.

## 9368—Valve Inserting Machines

**Smith A. P. Mfg. Co. ("Sherred-French"), East Orange, N. J.**

## 9369—Valve Re-seating Machines

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Leavitt Mach. Co. ("Dexter"), Orange, Mass.
Long Adam A. Machine Works ("Sterling"), Rochester, N. Y.
McCrea Jas. & Co. ("Skinner's" Motor), 562 W Washington, Chicago, Ill.
**Skinner M. B. S. Co. ("Skinner"), 562 W Washington, Chicago, Ill.**

## 9370—Valve Seat-Milling Machines

Underwood H. B. & Co., 1025 Hamilton, Phila., Pa.

## 9371—Valve Seat Planing Machines

**Niles-Bement-Pond Co., 111 B'way, New York**
**Stow Flexible Shaft Co., 26th & Callowhill, Philadelphia, Pa.**

## 9372—Valve Tapping, Reaming & Seating Machines

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Pottstown Machine Co. (Automatic), Pottstown, Pa.**

## 9373—Valve Wheel Machinery

**Bradley H. C. (For Wood Wheels), Bridgeport, Conn.**

## Vanning Machines

**See Vanners, Frue**

## 9374—Variety Moulding Machines

**American Woodworking Machy. Co., Rochester, N. Y.**
Carey W. W. Co., Lowell, Mass.
Pryibil P. Machine Co., 520 W 41st, New York
**Yates P. B. Machine Co., Beloit, Wis.**

## 9375—Variety Sawing Machines

American Woodworking Machinery Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Root R. M. Co., York, Pa.
**Yates P. B. Machine Co., Beloit, Wis.**

## 9376—Variety Wood Turning Machines

**See Also Lathes, Variety Turning**

American Woodworking Machinery Co., Rochester, N. Y.
Mattison C. Machine Works ("Universal"), Rockford, Ill
**Yates P. B. Machine Co., Beloit, Wis.**

## 9377—*Varnish Can Machinery

**BLISS, E. W. CO., 19 Adams, Broklyn, N. Y.** *See adv index at end of book*

## 9378—Varnish Makers' Machinery

**Kent Machine Works, 39 Gold, Brooklyn, N. Y.**

## 9379-80—Varnishing Machines

**Chambers Bros. Co., 52d bel. Lancaster av, Philadelphia, Pa.**

## 9381—Vegetable Cutting Machines

**Smith's Jno. E. Sons Co., Buffalo, N. Y.**

## 9382— Vending Machines

**Advance Machine Co., 4645 Ravenswood av, Chicago, Ill.**
**Automatic Target Machine Co. (Rifle & Pistol), 203 Fulton, New York**
Autosales Corp., 96 Spring, New York
Beaton & Caldwell Mfg. Co. (Match), New Britain, Conn.
Becker P. A. Co. (Collar Button), 132 Cumberland, Brooklyn, N. Y.
Brewer Chas. A. & Sons Co., 6320 Harvard av, Chicago, Ill.
Caille Bros. Co. (Coin Operating), 2d & Amsterdam avs, Detroit, Mich.
**Centadrink Filters Co., 1440 B'way, New York**
Coin Controlling Lock Co. (Coin Operating), Traction bldg., Indianapolis, Ind.
**Coleman Hardware Co. (Peanut, Match, etc), 122 S Michigan av, Chicago, Ill.**
**Cupples Samuel, Woodenware Co. (Pencils, Gum, Matches, etc.), 7th & Spruce, St. Louis, Mo.**
Gent Wm. Vending Mach. Co. (Gum, Perfume, etc.), 846 E 93d, Cleveland, O.
**Griswold Mfg. Co. (Nut, Match, Gum, etc.), Rock Island, Ill.**
Hence J. W. Foundry Co. (Ball Gum, Breath Perfume, etc), Westerville, O.
Hilo Gum Co., 1516 W Vanburen, Chicago, Ill.

VENDING MACHINES—continued

**Ideal Mfg. Co. (Postage Stamps), Anderson, Ind.**
**Joy Chas. H., 407 Aberdeen, Chicago, Ill.**
Krema Mfg. Co., 544 W Washington, Chicago, Ill.
Lorentzen H. K. (Any Coin, Any Article, **Models & Experimental Work), 60** Grand, New York
Midland Supply Co. (**"Duplex" Postage** Stamp), Davenport, Iowa
**Mills Novelty Co. (Candy, Cigar, Cigarette,** Gum, Peanut, Package, etc, Coin Operating), 221 S Green, Chicago, Ill.
**Pick Albert & Co., 212 W. Randolph, Chicago, Ill.**
**Puritan Machine Co. (Ltd.), Lafayette &** 10th, Detroit, Mich.
**Ryede Specialty Works (Gum, Chocolate),** Rochester, N. Y.
**True Blue Gum Co. (Gum), Lansing,** Mich.
Watling Mfg. Co. (Coin Operating), 1029 W Adams, Chicago, Ill.

## 9383—Veneer Cutting Machines

**American-Blakeslee Mfg. Co. ("Blakeslee"),** Birmingham, Ala.
**Capital Machine Co., Indianapolis, Ind.**
**Coe Mfg. Co. (Rotary, Slicing & Sawing),** Painesville, O.
**Hubbard's Norman Sons ("Rochow"), 265** Water, Brooklyn, N. Y.
**Merritt Mfg. Co. (Rotary Veneer Lathe** & Automatic Veneer Clipper), Lockport, N. Y.
**St. Joseph Iron Works (Lathes), St. Joseph,** Mich.
Titus Elmer E., Petersburg, Va.
**Trevor Mfg. Co. (For Crate Slates, etc),** Lockport, N. Y.

## 9384—Veneer Drying Machines

**Duplex Moulding Sander Co. ("Duplex"),** Hornell, N. Y.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Merritt Mfg. Co. ("Merritt"), Lockport, N. Y.
Proctor & Schwartz, Co., Inc., Proctor, 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*

## 9385— Vermicelli Machinery

See also Macaroni Machy.

**CAVAGNARO JOHN J.,** Harrison, N. J.
City Machine Co., 5321 St. Clair, Cleveland, O.

## 9386— Vinegar Machinery

Beman Automatic Oil Can Co. (**Self Measuring** Cabinet), Meadville, Pa.
Hydraulic Press Mfg. Co., Mt. Gilead, Ohio *See adv index at end of book*
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.

## 9387— Voting Machines

**Automatic Registering Machine Corp.,** Jamestown, N. Y.
Universal Indicator Co., 210 Sycamore, Milwaukee, Wis.

## Wagon Builders' Machinery

See Carriage Builders' Machinery

## 9388—Wall Paper Machinery

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**Marresford Wm. F. (For Wall Paper Sample** Books), 56 Pearl, Brooklyn, N. Y.
Waldron Jno. Co., New Brunswick, N. J.

## 9389—Wall Paper Numbering & Lettering Machines

Allen A. & Co., 2001 Carpenter, Phila., Pa.

## 9390—Wall Paper Pasting, Trimming & Matching Machinery

Baird Machine Co. (Also Stains, Splits Border in Narrow Pieces), Bridgeport, Conn.

## 9391—Washer Cutting Machines

Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Hilles & Jones Co., E Wilmington, Del.
*See adv index at end of book*
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Southwark Foundry & Machine Co., Philadelphia, Pa.

## 9391a—Washing Machines (Clothes)

**Adams Laundry Machinery Co., Troy, N. Y.**
Almetal Mfg. Co. ("Almetal" Combination Washer, Heater & Stove), 7227 Manchester av, St. Louis, Mo.
Altorfer Bros. Co. ("Roanoke" Power Washer & Wringer), Peoria, Ill.
American Gas Machine Co., Albert, Lee, Minn.
American Ironing Machine Co. ("Simplex"), 166 N Michigan, Chicago, Ill.
American Laundry Machinery Co., Cincinnati, O.
**American Wringer Co., 99 Chambers, New** York
**Apex Appliance Co., 3223 W 30th, Chicago,** Ill.
Arnold Electric Co. (Electric), Racine, Wis.
Arora Co., 46 E 41st, New York
**Associated Mfrs. Co. ("Amanco," Power),** Waterloo, Ia.
At Last Washer Co. ("At Last"), Perry, Ia.
Automatic Electric Washer Co. ("Automatic," Electric), Newton, Ia.
Banderob-Chase Co., Oshkosh, Wis.
Barlow & Seelig Mfg. Co., Ripon, Wis.
Barnes Mfg. Co., Susquehanna, Pa.
Baughman N. C. ("New Miller"), York, Pa.
Binghamton Washing Machine Co., Binghamton, N. Y.
Blackstone Mfg. Co. ("Blackstone," "Quality," "New Pan American," "Vim," "Blackstone" Swinging Wringer, Gasoline Power Washer, "Blackstone" Electric Washer, "Magic" Water Power Washer, "Improved" Capital Water Power Washer, "Dauntless" Water Power Washer), Jamestown, N. Y.
Bluffton Mfg. Co., Bluffton, O.
**Boss Washing Machine Co. ("Banner"** Rotary "Boss"), Cincinnati, O.
Brammer H. F. Mfg. Co. ("O. K. Rotary," "B. B.," "Brammer," "Great Western," "O. J. C.," " O. K. Electric," "Original Brammer," "Peacemaker," "Snow E. White," "Klipper," "Knoxall," "Flyer," "Speedy," "Royal Stone"), Davenport, Ia.
Brown M. Co. ("United States"), Wapakoneta, O.
Buckeye Churn Co. ("Prima" Electric), Sidney, O.
Burlingame Mfg. Co., Syracuse, N. Y.
Cahm-Forster Elec. Co. ("A. B. C."), 209 15th, Denver, Colo.
Camp Bros. & Co., Washington, Ill.
**Capital Electric Co., 321 Sheldon, Chicago,** Ill.
Chicago Dryer Co. ("Chicago," "Electric"), 630 S Wabash av, Chicago, Ill.
Christman A. G. Co., Reading, Pa.
Clarinder Lawn Mower Co., Clarinda, Ia.
Clark-Cadle-Harmon Corp., Rochester, N. Y.
Coffield Motor Washer Co. ("Coffield," Electric, "U. M."), Dayton, O.
Complete Mfg. Co. Kenosha, Wis.
Constantine Casket Co., Constantine, Mich.
Cooper Sanitary Mfg. Co. ("Whirlpool," Water Power), **34th & Chestnut,** Phila., Pa.
Crystal Washing Machine Co. (Electric), 1118 Gratiot, Detroit, Mich.
Cycle Washing Machine Co., 160 Ann, Chicago, Ill.
Dayton Welding & Mfg. Co. (Water Power), Dayton, O.
Dexter Co. ("Dexter," Power & Electric), Fairfield, Ia.
Domestic Laundry Equipment Corp. ("Domestic"), 224 W 26th, New York
Doty Mfg. Co. ("Doty"), Dayton, O.
Dumond Mfg. Co. (Vacuum), Cedar Falls, Ia.
Easiest Way Mfg. Co. ("Easiest Way"), Sandusky, O.
Edwards Mfg. Co., Honey Creek, Ind.
Erie Metal Products Co. ("Pexcolo" Vacuum Washer), Erie, Pa.
**Fairbanks, Morse & Co. ("Fairday"), 900** S Wabash av, Chicago, Ill.
Federal Sign System (Electric), 8700 S State, Chicago, Ill.
Fisk Mfg. Co., Churubusco, Ind.
Fletcher Mfg. Co. (Motor), Newport, Ky.
Fosston-Carpenter Co. ("New Liberty," "Women's Friend" Electric, Hand & Engine Power), St. Paul, Minn.
**G. & D. Mfg. Co., Streator, Ill.**
Galloway Wm. Co., Waterloo, Ia.
Geier P. A. Co. ("Royal" Electric), Cleveland, O.
General Railway Signal Co. ("G. R. S."), Rochester, N. Y.
**Getz Power Washer Co. (Combination** Washer & Wringer), Morton, Ill.
Geyer Elec. Co., 321 Sheldon, Chicago, Ill.
Gillespie Eden Corp., 50 Church, New York
Glascock Bros. Mfg. Co. ("Handy," "New Era"), Muncie, Ind.
**Globe Mfg. Co. ("Quicker Yet"), Perry,** Ia.
**Grinnell Washing Machine Co. ("Gem"** Power), Grinnell, Ia.
Haag Bros Co., Peoria, Ill.
Haag A. W. & Co., Reading, Pa.
Hamilton Caster & Mfg. Co. (Motor), Hamilton, O.
Harvey W. W. & Son, Constantine, Mich.
**Highlander Machine Co. (Motor-Driven),** Spencerport, N. Y.
Hirschy Co., 720 2d av, Minneapolis, Minn.
Home Devices Corp. ("Modern Home Washer" Electric), 33 35th. B'klyn,
**Home Specialty Mfg. Co. ("Laun-Dry-ette" Washer & Dryer), 1015 Power** av, Cleveland, O.
**Horton Mfg. Co. ("American," "Globe,"** "Horton," Electric, "Horton" Rotary), Fort Wayne, Ind.
**Howe Co. ("Excello" Water Power),** Wheeling, W. Va.
Huenergardt Mfg. Co. ("Monitor" Hand, Belt & Electric Power), Linccoln, Neb.
Hunt Rodney Machine Co., Orange, Mass.
**Hurley Machine Co. ("Thor" Electric** Washer & Wringer), Cicero, Ill.
Irwin Mfg. Co. (Springless Motor), Front & Pike, Cincinnati, O.
**Jackson Gas Engine Co. ("Jackson"** Power), Jackson, Mich.
Johnson Electric Washer Co., 2074 Market, San Francisco, Cal.
Judd Laundry Machine Co., 122 S Michigan av, Chicago, Ill.
Kiel Mfg. Co. ("Oscillators" Vacuum), Albert Lea, Minn.
**Knoll Janas L. Mfg. Co. ("Knoll" Double** Action), Lebanon, Pa.
Knoll J. H. ("Queen" Family), Reading, Pa.
Litchfield Mfg. Co. (Farmers' Laundry), Waterloo, Ia.
Luthy & Co. (" A. B. C." Electric), Peoria, Ill.
**Maytag Co. ("Pastime," "Maytag"), New**ton, Ia.
Meadows Mfg. Co. ("Meadows, Jr.," Power), Pontiac, Ill.
Metal Barrel Co. ("Rapid"), Galesburg, Ill.
**Michigan Washing Machine Co. (Tur**bine "Guarantee," "Peerless"), Muskegon, Mich.
Miller Mfg. Co., Meyersdale, Pa.
**Modern Laundry Machine Co. (Electric),** 1907 Central, Kansas City, Mo.
Moore, Given Co. ("Moore"), Spring Valley, Ill.
Morris Mfg. Co. ("One Minute"), El Reno, Okla.
National Motor Co., Springfield, O.
National Sewing Machine Co. ("Happy Day," High Speed), Belvidere, Ill.
New Favorite Mfg. Co. ("Winner"), 183 W Maple, Columbus, Ohio
**Nineteen Hundred Washer Co. ("Nine**teen Hundred," Hand & Electric), Binghamton, N. Y.
Odin Co. (Electric), 319 W Ohio, Chicago, Ill.
**Ohio Pump & Brass Co. ("Economy"),** Columbus, O.
**OIL & WASTE SAVING MACHINE CO.** Oily Waste, Rags, Towels), Real Estate Trust bldg., Phila., Pa.
One Minute Mfg. Co., Newton, Iowa
One Minute Washer Co. ("Sandusky"), Sandusky, O.
**Pittsburgh Gauge & Supply Co. ("Gaina-day" Electric Washer Wringer),** 30th & Liberty av, Pittsburgh, Pa.
Press Wells H. Co., Streator, Ill.

Princess Wash Machine Mfg. Co. ("Princess" Water Power), 433 E Pearl, Cincinnati, O.
Puffer-Hubbard Mfg. Co., 32d av, S & 26th, Minneapolis, Minn.
Reading Wood Pulley Co. ("Prince"), Reading, Pa.
Rex Mfg. Co. ("Rex"), Johnstown, Pa.
Richmond Cedar Works ("Matchless," "Majestic" & "F. F. V.," "R. C. W. Water Motor," "Typhon," "Electric," "Lightning," "Rapid," "Richmond Electric Driven"), Fulton, Richmond, Va.
Rochester Rotary Washer Co. ("Rochester," Rotary, Equipped with Wringer), Rochester, N. Y.
Rochester Washing Machine Corp. (Electric), Rochester, N. Y.
Ross C. E. ("World," "Star," "Lincoln"), Lincoln, Ill.
Rue Mfg. Co., Amboy, Minn.
Sandusky Washer Co. (Electric), Sandusky, Ohio
Schneider Peter F. (Electric & Power), 210 Gil River, Detroit, Mich.
Schroeder S. E. Mfg. Co., Minier, Ill.
Sieverkropp Engine Co., Racine, Wis.
Smith & Phillips Mfg. Co., 412 N Sagamore, Chicago, Ill.
Steiner Mfg. Co. ("Steiner," Motor Driven) 4100 N 21st, St. Louis, Mo.
St. Louis Washington Machine Co., St. Louis, Mo.
Superior Machine Co., Sterling, Ill.
Swash Motor Washer Co., Buttles & Mich. av, Columbus, O.
Sweet Geo. W., Flint, Mich.
Syracuse Washer Corp., Syracuse, N. Y.
Terriff Perfect Washer Co., Portland, Mich.
Thistle Mfg. Co., 5716 Armitage av, Chicago, Ill.
Tolhurst Machine Works, Troy, N. Y.
Troy Laundry Machinery Co. (Ltd.), 23d & La Salle, Chicago, Ill.
United Engine Co. ("Diabola"), Lansing, Mich.
Upton Machine Co., St. Josephs, Mich.
Utahna Development Co., 4254 Vista av, St. Louis, Mo.
Vacuum Washer Co., Ripon, Wis.
Victor Mfg. Co. ("Wonder"), Leavenworth, Kansas
Victor Motor Washing Machine Co., 11 W 7th, Cincinnati, O.
Voss Bros. Mfg. Co. ("Ocean Wave" Hand & Power, "Pendulum," "Automatic" & "Sunshine" Hand, "Universal" Power & "Voss" Water Motor & Electric), Davenport, Ia.
Walker Bros. Co. (Vacuum), Syracuse, N. Y.
Waring Ed. C. ("Waring" Aerated), Huntsville, Mo.
Wash-Easy Co., 2427 W 14th, Chicago, Ill.
Wayne Mfg. Co. ("Excelsior," Cylinder, "Wayne," "Royal," "Winner," "Western Star"), 124 Sidney, St. Louis, Mo.
Wenzelman Mfg. Co. (Hand, Power & Electric), Galesburg, Ill.
Western Electric Co., 463 West, New York
White Lily Mfg. Co. ("White Lily," "White Rose," "White Daisy," "White Washer," "White Way," "White Hummer" Hand, Electric, Water, Motor, etc), Davenport, Ia.
Wiard Mfg. Co. ("Wiard's Standard"), E Avon, N. Y.
Williamson H. E., 1340 Mission, San Francisco, Cal.
Wise-McClung Mfg. Co. ("America"), New Phila., Pa.
Winger-Blume Mfg. Co. (Electric), Wolcott, Ind.
Woodrow Mfg. Co. (Electric & Power), Newton, Ia.
Yost Gearless Motor Co., Springfield, O.

## 9392—Washing Machines (Laundry)

Adams Laundry Machinery Co. (Mill), Troy, N. Y.
**AMERICAN GAS MACH. CO., INC.,** 78 Reade, New York
American Laundry Machinery Co. (Cylindrical), Cincinnati, O.
Clark-Cadle-Harmon Corp., Rochester, N. Y.
Empire Laundry Machinery Co. (Cylindrical), 352 Western av, Boston, Mass.
Poland Laundry Machinery Co. (Cylindrical), 47 Kemble, Boston, Mass.

## 9392a—Washing Machines Parts (Metal)

Nivin Mfg. Co., Inc., 839 Larrabee, Chicago, Ill.

## 9393—Washing Machines (Vegetable & Fruit)

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Premier Machinery Co., Oakland, Cal.

## 9394—Waste Product Machinery for Packing Houses

Joslin, Schmidt Co. (Glue Works, Soap Factories, etc), 3223 Spring Grove av, Cincinnati, O.

## 9394a—*Waste Saving Machines

**OIL & WASTE SAVING MACHINE CO.,** Real Estate Trust bldg, Phila, Pa.
*See adv index at end of book*

**Oil & Waste Saving Machine Co.**
**PHILADELPHIA, PA.**
Oil Reclaiming Machines
Waste Reclaiming Machines
Chip Separators, Oil Filters

## 9395—Waste Washing Machines

American Tool & Machine Co. (For Cotton or Woolen, Wiping or Packing Waste, etc), 10 High, Boston, Mass.
Oil & Waste Saving Machine Co., Real Estate Tr. bldg., Phila., Pa.
*See adv index at end of book*

## 9396—Watch Case Machinery

Cavagnaro Jno. J., Harrison, N. J.

## Watchmakers' Machinery

See Clock & Watchmakers' Machinery

## 9397—Wax Caking Machines

Moore Samuel L. & Sons, Elizabeth, N. J.

## 9398—Weighing Machines (Automatic)

Automatic Weighing Machine Co., 138 Commerce, Newark, N. J.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Edtbauer E. ("Duplex" for Groceries, etc), 817 Washington blvd, Chicago, Ill.
Electric Weighing Co., 180 13th av, New York
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gent Wm. Wending Mach. Co., 846 E 93d, Cleveland, O.
Pneumatic Scale Corp. (Ltd.), Norfolk Downs, Mass.
Richardson Scale Co. (Self-Indicating & Totaling), Passaic, N. J.
**SCHAFFER ENGINEERING & EQUIPMENT CO.** (Poidometer), Peoples Bank bldg., Pittsburgh, Pa.
*See adv index at end of book*
Streeter-Amet Weighing & Recording Co., 4101 Ravenswood av, Chicago, Ill.
Unit Weighing & Packing System, Scott & McHenry, Baltimore, Md.

## 9399-400—Weighing, Packing & Bagging Machines (Automatic)

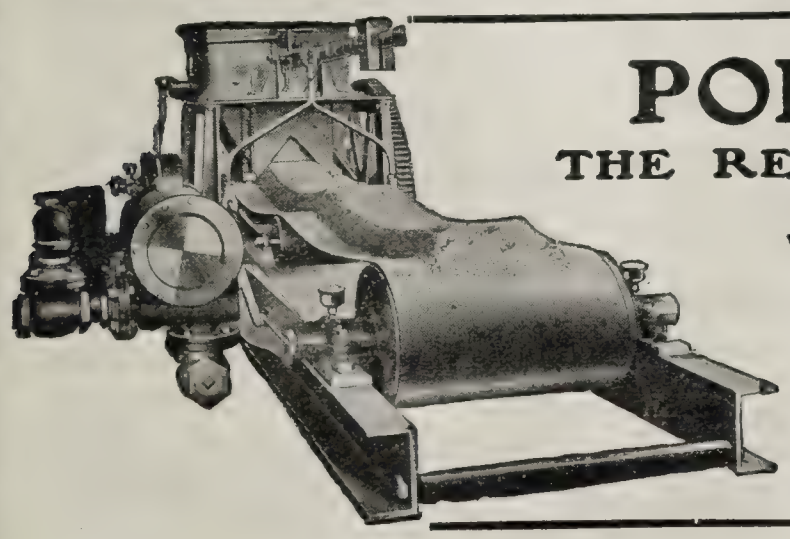
Automatic Weighing Machine Co. (Weighing & Packing), 138 Commerce, Newark, N. J.
Case J. I. Threshing Machine Co. (Grain Baggers), Racine, Wis.

## Welding Machines (Autogenous)

**See Welding & Cutting Apparatus Oxy-acetylene**

## 9401—Welding Machines (Electric)

Agnew Elect. Welder Co., Milford, Mich.
Brom Boiler & Welding Co., 1615 Merwin av, Cleveland, O.
Burke Electric Co. (Arc), Erie, Pa.
Colonial Supply Co., 541 Wood, Pittsburgh, Pa. *See adv index at end of book*
Elect. Arc Cutting & Welding Co., 222 Halsey, Newark, N. J.
Electric Ry. Improvement Co., 2070 E 61st pl, Cleveland, O.
Electric Welding Co., 764 Court, New York
Federal Electric Welder Co., Warren, O.
**GENERAL ELECTRIC CO.** (Electric Arc), Schenectady, N. Y.
*See adv index at end of book*
Geuder, Paeschke & Frey Co. ("Cream City," Butt, Spot & Seam), 1314-1700 St. Paul av, Milwaukee, Wis.
Gibb Instrument Co. ("Zeus"), Highland bldg, Pittsburgh, Pa.
Lincoln Electric Co. (Arc), Cleveland, O.
Pacific Elec. Welder & Mfg. Co., Seattle, Wash.
Quasi-Arc Weltrode Co., Inc., 109 Lafayette, New York



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WELDING MACHNNES (ELECTRIC)—continued

Siemund Wenzel Electric Welding Co., 30 Church, New York
Taylor Welder Co., Warren, O.
Thomson Electric Welding Co. (Butt, Spot & Seam Welders), 161 Pleasant, Lynn, Mass.
Thompson Spot Welder Co., Lynn, Mass.
Tuasi Arc Weldtrobe Co. Inc., 107 Lafayette, New York
Universal Elec. Welding Co., 39 E 42nd, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Wilson Welder & Metals Co., 52 Vanderbilt av, New York
Winfield Elec. Welding Mach. Co. ("Winfield"), Warren, Ohio

## 9402—Well Drilling Machinery

Alamo Iron Works, San Antonio, Tex.
American Well Works, Aurora, Ill.
American Well & Prospecting Co., Corsicana, Tex.
Armstrong Mfg. Co. ("Armstrong," for Oil, Gas, Water Wells, Prosepecting & Blast Hole Drilling), Waterloo, Ia.
Artesian Well & Supply Co., 195 Anthony, Providence, R. I.
Atlas Supply Co., Muskogee, Okla.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Dempster Mill Mfg. Co., Beatrice, Neb.
Everhard Co., Massillon, O.
Ferguson Mfg. Co. (Oil, Gas & Water), Waterloo, Ia.
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
Grimes G. W. Co. (Oil Well), Bluffton, Ind.
Hardy Mach. Co. (Oil & Gas), N Baltimore, O.
Herron R. H. Co., 934 N Alemeda, S Los Angeles, Cal.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Hughes Tool Co. (Rotary Drill Bits for Oil, Gas & Water Wells), Houston, Tex.
Ingersoll-Rand Co., 11 B'way, New York
**KEYSTONE DRILLER CO.** ("Keystone"), Beaver Falls, Pa.
*See adv index at end of book*
Krajewski-Pesant Corp., 50 Broad, New York
La Cross Well Drill Works, La Crosse, Wis.
Landerson-Cyclone Drill Co., Orrville, O.
Leidecker Tool Co., Marietta, O.
Lisle Mfg. Co., Clarinda, Ia.
Loomis Machine Co. ("Clipper"), Tiffin, O.
**LUCEY MANUFACTURING CORP.** ("Rex" Rotary Oil & Gas), 233 B'way, New York
*For branch offices see Alphabetical Section*
Marion Machine Foundry & Supply Co., Marion, Ind.
Milton S. G. & Son ("Milton" for Pulling Rods or Tubing from Wells & Replacing Same Ready for Pumping), Franklin, Pa.
National Supply Co., Toledo, O.
National Supply Co., Union Bank bldg, Pitsburgh, Pa.
Oil Well Supply Co. (Oil Well, etc), 215 Water, Pittsburgh, Pa.
Pech Gus Foundry & Mfg. Co., Le Mars, Ia.
Red Cross Mfg. Co., Bluffton, Ind.
Rockford Iron Works, Rockford, Ill.
St. Louis Well Machine & Tool Co., Kingsland av, St. Louis, Mo.
San Antonio Machine & Supply Co. ("West Texas"), San Antonio, Tex.
Sanderson Cyclone Drill Co. ("Cyclone" Water Well, Oil & Gas Well & Big Blast Hole Drills), Orrville, Ohio
Sparta Iron Works Co., Sparta, Wis.
Star Drilling Machine Co. (Portable), Akron, O.
Sweeney & Gray Co. (Shallow Wells), 83-85 6th, L. I., N. Y.
*See adv index at end of book*
Teetzel Well Works, Terre Haute, Ind.
Titusville Iron Co., Titusville, Pa.
Union Tool Co. ("Ideal" for Oil, Gas & Artesian Wells), Torrance, Cal.
United Iron Works, Inc., Kansas City, Mo.
Williams Bros., Ithaca, N. Y.

## 9403—Wet Machines (Paper Mill)

Bagley & Swell Co., Watertown, N. Y.
Baker Mfg. Corp, Saratoga Springs, N. Y.
Beloit Iron Works, Beloit, Wis.
Carthage Machine Co., Carthage, N. Y.
Clark H. C. & Son Machine Co., Lee, Mass.
Dilts Machine Works (Inc.), Fulton, N. Y.
Emerson Mfg. Co. (Also Pulp Mill), Lawrence, Mass.
Friction Pulley & Machine Works, Hudson Falls, N. Y.
Holyoke Machine Co., Holyoke, Mass.
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Sandy Hill Iron & Brass Works (Pulp Mill), Hudson Falls, N. Y.
Smith & Winchester Mfg. Co., So. Windham, Conn.

## 9403a—Wheat Scouring & Polishing Machines

Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co., ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.

## 9404—Wheat Washing & Stone Separating Machinery

Howes S. Co. ("Eureka"), Silver Creek, N. Y.
Wolf Co., Chambersburg, Pa.

## 9405-6—Wheel Boxing Machines

Defiance Machine Works, Defiance, O.

## 9407-8-9-10—Wheel Machinery

Blomquist Eck Machine Co. (Automobile), 1146 E 152d, Cleveland, Ohio
Defiance Machine Works, Defiance, O.
Empire Mach. Works, Mt. Morris, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.

## 9411—Whisk Broom Machinery

See also Broom Machinery

Cassard Hamilton, Holliday & Pleasant, Baltimore, Md.

## 9412— White Lead Machinery

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Campbell Peter F., 51 Laurel, Phila., Pa.
Cresson-Morris Co., Allegheny & 18th, Philadelphia, Pa.
Kaestner & Hecht Co., 600 Throop, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

## Whitewash Spraying Machines

See Paint & Whitewash Spraying Machines

## 9413—Whiting Works Machinery

Campbell P. F., 51 Laurel, Phila., Pa.

## 9414—Winding Machinery (For Hydraulic Dredges)

Norbom Engng. Co., Denckla bldg, Phila., Pa.

## 9415—Window Frame Machinery

Atlas Mfg. Co., Orlando, Fla.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain Conn.
Schaefer Mfg. Co. (Portable), Berlin, Wis.
Smith & Phillips Mfg. Co., 1008 W Madison, Chicago, Ill.

## 9416—Window Pocket Cutting Machines

Smith & Phillips Mfg. Co., 1008 W Madison, Chicago, Ill.

## 9417—Window Shade Machinery

Swift Geo. W., Jr., Bordentown, N. J.

## 9418—Wine Making Machinery

Hydraulic Press Mfg. Co., Mount Gilead, O. *See adv index at end of book*
Klotz Machine Co., Sandusky, O.
Premier Machinery Co., Oakland, Cal.
Redlich Mfg. Co., 637 to 647 W Oak, Chicago, Ill. *See adv index at end of book*

## 9419—Wire Barbing Machines

Bates Machine Co., Joliet, Ill.
Wright David A., 568 W Washington, Chicago, Ill.

## 9420—Wire Barrel Hoop Machines

Gilmour Hogshead Mach. Co., Owensboro, Ky.

## Whitewash Spraying Machines

## 9420a—Wire Bending Machines

Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.

## 9421—Wire Cloth Measuring Machines

Schriver O. P. & Co. ("I. X. L."), 621 E. Pearl, Cincinnati, O.

## 9422—Wire Cloth Weaving Machines

Crompton & Knowles Loom Works, Worcester, Mass.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Sailor Whitmore Machine Co., Menasha, Wis.

## Wire Covering Machinery

See Wire & Cable Covering Machinery

## 9423—Wire Crating Machines

Gilmour Hogshead Mach. Co., Owensboro, Ky.

## 9424—Wire Crimping Machines

Automatic Machine Co., Bridgeport, Conn.
Cady Mach. Co. (Automatic), Cleveland, O.
McCallip Mfg. Co., 162 W Naghten, Columbus, Ohio
Manville E. J. Machine Co., Waterbury, Conn.
Smurr & Kamen Machine Co. (Crimping, Cutting & Counting Combined), 328 N Albany, Chicago, Ill.
Wells Frank L. Co., Kenosha, Wis.

## 9425-6—Wire Drawing Machinery

Bates Machine Co., Joliet, Ill.
Humphrey & Sons ("Humphrey," Wire Drawing Benches, etc), Joliet, Ill.
McWilliams Thos. (Draw Benches), 237 Eddy, Providence, R. I.
Mackenzie's Duncan Sons Co. (Draw Benches), Trenton, N. J.
Morgan Construction Co., Worcester, Mass.
New England Machinery Co., New Haven, Conn.
Richard Mfg. Co., Bloomsburg, Pa.
Standard Machinery Co., Providence, R. I.
Torrington Mfg. Co., Torrington, Conn.
Vaughn Machinery Co. (Trolley Wire, Drawing Benches), Cuyahoga Falls, O.
*See adv index at end of book*
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## Wire Fence Machinery

**See Woven Wire Fence Machines**

## 9427—Wire Forming Machinery

Atlas Machine Co., Waterbury, Conn.
Automatic Machine Co., Bridgeport, Conn.
Baird Machine Co. ("Automatic"), Bridgeport, Conn.
Cady Machine Co. (Automatic), Cleveland, O.
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Manville E. J. Machine Co., Waterbury, Conn.
Nilson A. H. Machine Co. (Automatic & Four Slide), Bridgeport, Conn.
**SLEEPER & HARTLEY, INC.** (Automatic), 168 Prescott, Worcester, Mass.
*See adv index at end of book*
Smurr & Kamen Machine Co., 328 N Albany, Chicago, Ill.

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Special Machinery Co., Bridgeport, Conn.
Standard Machinery Co., Providence, R. I.
Westchester Machine Co., Mt. Vernon, N. Y.

### 9428—Wire Galvanizing Machinery

Bates Machine Co., Joliet, Ill.
Morgan Construction Co., Worcester, Mass
**VAUGHN MACHINERY CO.**, Cuyahoga Falls, O. *See adv index at end of book*

### 9429—Wire Handle Machines

**AMERICAN CAN CO. (Machinery Dept.),** ("Rudolphi & Krummel" Automatic), Monroe bldg, Chicago, Ill.
*See adv index at end of book*
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.

### Wire Insulating Machinery

See Wire & Cable Covering Machinery

### 9430— Wire Machinery

**AMERICAN CAN CO. (Mach'y Dept.), Monroe bldg, Chicago, Ill.**
*See adv index at end of book*
Baird Machine Co. ("Automatic"), port, Conn.
Bates Machine Co., Joliet, Ill.
Farrel Foundry & Machine Co. (Automatic), Ansonia, Conn.
Franklin Mfg. Co. (Automatic Straightener & Cutter), New Haven, Conn.
Humphrey & Sons (Wire Mills), Joliet, Ill.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
**Mackenzie's Duncan Sons Co. (Draw** Benches & Annealers), Trenton, N. J.
Manville E. J. Machine Co., Waterbury, Conn.
Morgan Construction Co., Worcester, Mass.
New England Machinery Co. (Planetary & Closing), New Haven, Conn.
Richard Mfg. Co., Bloomsburg, Pa.
**SHUSTER F. B. CO. (Wire Straightening & Cutting), Cedar Hills, New Haven, Conn.** *See adv index at end of book*
Stimpson Edwin B. Co. (Automatic), 68 Franklin, Brooklyn, N. Y.
**VAUGHN MACHINERY CO.** (Wire Mill), Cuyahoga Falls, O.
*See adv index at end of book*
Watson Machine Co., Paterson, N. J.

### 9431—Wire Mattress Machinery

**See also Woven Wire Mattress Machinery**
Cavagnaro John J., Harrison, N. J.
Houchin-Aiken Co., 113 53d, B'klyn, N. Y.
**Ivens Wm. H. Sons Co., P. O. Box 647,** Trenton, N. J.
Lippert & Rhenstrom, Kenosha, Wis.
Wells Frank L. Co., Kenosha, Wis.

### 9432—Wire Measuring Machines

Anderson Homer, Peekskill, N. Y.
Chumbley J. E. & Co. (Gant Meter), Nashville, Tenn.
**Minneapolis Electric & Construction Co., Wire Reel & Measure, 112 S 7th, Minneapolis, Minn.**
Moore S. L. & Sons, Elizabeth, N. J.
New England Butt Co., 304 Pearl, Providence, R. I.
Root C. J. Co., Bristol, Conn.
Textile Machine Works, Reading, Pa.
Waldman, John J., 64 Murray, New York
Watson Machine Co., Paterson, N. J.

### 9433—Wire Nail Barbing Machines

Miller's H. J. Sons ("Improved Perkins"), Bridgewater, Mass.
Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

### 9434—Wire Nail Cleaning Machines

Ladel Mfg. Co., New Philadelphia, O.

### 9434a—Wire Nail Machinery

See also Nail Mill Machinery
**SLEEPER & HARTLEY, INC.,** 335 Chandler, Worcester, Mass.
*See adv index at end of book*

### 9435—Wire Pointing Machinery

See also Swaging Machines
Baird Machine Co. (Automatic), Bridgeport, Conn.
Bates Machine Co., Joliet, Ill.
Langelier Mfg. Co., Arlington, Providence, R. I.
Manville E. J. Machine Co., Waterbury, Conn.
Morgan Construction Co., Worcester, Mass.
**TORRINGTON CO., THE EXCELSIOR PLANT,** successor to Excelsior Needle Co. ("Dayton"), Torrington, Conn.
*See adv index at end of book*
Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

### 9436— Wire Rivet Machines

Cook Asa S. Co., Hartford, Conn.
Manville E. J. Machine Co., Waterbury, Conn.
Perkins Henry Co., Bridgewater, Mass.

### 9437—Wire Rope Making Machinery

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
New England Butt Co., 304 Pearl, Providence, R. I.

### 9438—Wire Spoke Heading & Bending Machines

**Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.**

### 9439—Wire Spooling Machines

Cady Machine Co., Cleveland, O.
Emory Robt. J. Co., 27 Runyon, Newark, N. J.
**Koegel Chas. & Sons, Holyoke, Mass.**
**New England Machinery Co., New Haven,** Conn.
Vaughn Machinery Co. (Steel & Copper Wire Mills), Cuyahoga Falls, O.
*See adv index at end of book*
**SLEEPER & HARTLEY, INC.,** 335 Chandler, Worcester, Mass.
*See adv index at end of book*
**Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.**
Watson Machine Co., Paterson, N. J.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 9440—Wire Spring Coiling Machines

See also Spring Coiling Machines
Baird Machine Co. (Automatic), Bridgeport, Conn.
Garvin Machine Co., 147 Varick, New York
Manville E. J. Machine Co., Waterbury, Conn.
**SLEEPER & HARTLEY, INC.,** 335 Chandler, Worcester, Mass.
*See adv index at end of book*

### 9441—Wire Spring Machinery

Nilson A. H. Machine Co. (Automatic), Bridgeport, Conn.
**SLEEPER & HARTLEY, INC.** (Automatic), 335 Chandler, Worcester, Mass.
*See adv index at end of book*

### 9442—Wire Stapling Machinery

Allen A. & Co. ("Lightning," "Hercules," for Book Binders), 200 Carpenter, Phila., Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Morrison J. L. Co. (Bookbinders'), Niagara Falls, N. Y.
Premier Machinery Co., Oakland, Cal.
St. Joseph Iron Works (For Baskets, Packages, etc.), St. Joseph, Mich.
Saranac Machine Co. ("Advance" for Baskets, Boxes, Fruit Package, Butter Dish, etc.), Benton Harbor, Mich.

### 9443—Wire Stitching Machines

Beck Chas. Machine Co., 607 Chestnut, Phila., Pa.
Boston Wire Stitcher Co., East Greenwich, R. I.
Brown R. H. & Co., New Haven, Conn.
Central Machine Co., Niagara Falls, N. Y.
Dietz Machine Works (Toilet & Towel Tube), 126 Fontain, Philadelphia, Pa.
Gitzendanner-Muller Co. ("National"), 15 Vandewater, New York
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.
Morrison J. L. Co. ("Perfection"), Niagara Falls, N. Y.
N. J. Wire Stitching Mach. Co., Camden, N. J.
Rosback F. P. Co. ("Progress"), Benton Harbor, Mich.
Saranac Machine Co. ("Advance" for Books & Pamphlets), Benton Harbor, Mich.
Sheridan T. W. & C. B. Co., 434 Broadway, New York.

### 9444—*Wire Straightening Machines (Roll & Rotary)

**SHUSTER F. B. CO., Cedar Hills, New** Haven, Conn. *See adv index at end of book*

## 9445—Wire Straightening & Cutting Machines

**AMERICAN CAN CO. (Machinery Dept.),** Monroe bldg, Chicago, Ill.
*See adv index at end of book*
Baird Machine Co. (Automatic), Bridgeport, Conn.
Chandler & Farquhar Co., ("Federal" Straightening), 36 Federal, Boston, Mass.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Franklin Mfg. Co. ("Cracker Jack"), New Haven, Conn.
Kane & Roach, Syracuse, N. Y.
Lewis Machine Co. ("Lewis" Automatic Core Wire), 6303 Central, Cleveland, O.
Manville E. J. Machine Co., Waterbury, Conn.
Nilson A. H. Machine Co. (Automatic), Bridgeport, Conn.
**SHUSTER F. B. CO.** (Automatic), Cedar Hills, New Haven, Conn.
*See adv index at end of book*
**SLEEPER & HARTLEY, INC.,** 335 Chandler, Worcester, Mass.
*See adv index at end of book*
Wells Frank L. Co., Kenosha, Wis.
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 9446—Wire Straightening & Forming Machines

Nilson A. H. Machine Co. (Automatic), Bridgeport, Conn.
**SLEEPER & HARTLEY, INC.,** 335 Chandler, Worcester, Mass.
*See adv index at end of book*

## 9447—Wire Stranding Machines

New England Butt Co., 304 Pearl, Providence, R. I.
New England Machinery Co. ("Larmuth," High Speed), New Haven, Conn.
Watson Machine Co., Paterson, N. J.

## 9447a—Wire Tinning Machinery

Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

## 9448-9—Wire Twisting Machines

Bates Machine Co., Joliet, Ill.
McCallip Mfg. Co., 162 W Naghten, Columbus, Ohio.
New England Machinery Co., New Haven, Conn.
Watson Machine Co., Paterson, N. J.

## Wire Weaving Machinery

See Wire Cloth Weaving Machines

## 9449a—Wire Wheel Machines

Langelier Mfg. Co., Arlington, Providence, R. I.

## 9450—Wire Winding Machinery

American Insulating Machinery Co., Huntingdon & Fairhill, Phila., Pa.
Koegel Chas. & Sons, Holyoke, Mass.
Morgan Construction Co., Worcester, Mass.
New England Butt Co., 304 Pearl, Providence, R. I.
New England Machinery Co., New Haven, Conn.

## 9451—Wire & Cable Covering Machinery

American Insulating Machinery Co., Huntingdon & Fairhill, Philadelphia, Pa.
Brooks Chas. J., New Haven, Conn.
Chernack Mfg. Co., Pawtucket, R. I.
Clark Edred W., Hartford, Conn.
Farrell Fdy. & Mach. Co., Ansonia, Conn.
Moore S. L. & Sons, Elizabeth, N. J.
New England Butt Co., 304 Pearl, Providence, R. I.
New England Machinery Co., New Haven, Conn.
Rhode Island Braiding Mach. Co., 228 Aborn, Providence, R. I.
Royle John & Sons (Electric Wire Insulating), Paterson, N. J.
Textile Machine Works, Reading, Pa.
Torrington Mfg. Co., Torrington, Conn.
Wardwell Braiding Mach. Co., Central Falls, R. I.
Watson Machine Co., Paterson, N. J.

## 9452—Wire & Cable Polishing Machines

New England Butt Co., 304 Pearl, Providence, R. I.
Watson Machine Co., Paterson, N. J.

## Wood Band Sawing Machines

See Band Sawing Machines for Wood

## 9453—Wood Barking Machines

Appleton Machine Co., Appleton, Wis.
Baker Mfg. Corp. ("C Bache-Wiig" Barking Drum), Saratoga Springs, N. Y.
Green Bay Barker Co., Green Bay, Wis.
Holyoke Machine Co., Holyoke, Mass.
Kline Lewis T., Alpena, Mich.
Portland Co., Portland, Me.
Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.
Scott Olin (Est. of), Bennington, Vt.
Trevor Mfg. Co., Lockport, N. Y.
Valley Iron Works Co., Appleton, Wis.
Waterville Iron Works, Waterville, Me.

## 9454—Wood Bending Machines

American Woodworking Machinery Co. Rochester, N. Y.
Bancroft & Barnard, Gardner, Mass.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Smith H. B. Machine Co., Smithville, N. J.
Superior Iron Works Co., Superior, Wis.

## 9455—Wood Boring Machines

See also Pneumatic Wood Boring Machines

Ajax Mfg. Co. ("Ajax"), 848 Jackson, N S, Pittsburgh, Pa.
American Woodworking Machinery Co., Rochester, N. Y.
Andrew M. L. & Co. (Multiple Spindles), Cincinnati, O.
Carey W. W. Co., Lowell, Mass.
Cordesman-Rechtin Co., Butler, Cincinnati, Ohio
Crescent Machine Co., Leetonia, O.
Defiance Machine Works, Defiance, O.
Eagle Square Mfg. Co. (Carpenters' Hand), S Shaftsbury, Vt.
Falls Machine Co., Sheboygan Falls, Wis.
Fay J. A. & Egan Co., Cincinnati, O.
Fischer Machine Works (Multiple Adjustable), 1845 Carroll av, Chicago, Ill.
Greenlee Bros. & Co. (Multiple Spindle), Rockford, Ill.
Greenwood Chester Co. (Automatic for Spools & Bobbin Mills), Farmington, Me.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Hayes E. B. Machinery Corp., Oshkosh, Wis.
Heath W. A. Machine Co., Lestershire, N. Y.
Holmes E. & B. Machinery Co., Buffalo, N. Y.
Jenkins Machine Co. (Upright Iron Post, also Multiple Spindle), Sheboygan, Wis.
Jones Superior Machine Co. ("Superior"), 1264 W North av, Chicago, Ill.
Kidder R. E. Co., Worcester, Mass.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Nash J. M. ("Universal" Power Feed Multiple Spindle), 842 30th, Milwaukee, Wis.
National Woodworking Machine Co., Dover, N. H.
Ober Mfg. Co. (Combined Boring & Chucking), Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Power L. & Co., 20 S 23d, Phila., Pa.
Pringle & Brodie (Multiple Spindle, Vertical & Horizontal), 514 S Canal, Chicago, Ill.
Root B. M. Co. ("Root"), York, Pa.
Sidney Machine Tool Co., Sidney, O.
Smith H. B. Machine Co., Smithville, N. J
Superior Iron Works Co., Superior, Wis.
Valley City Machine Works (Double Spindle, Radial & Vertical), Grand Rapids, Mich.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Wheland Co., Chattanooga, Tenn.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.

## 9456— Wood Boring Machines (Hand Power)

Ajax Mfg. Co. ("Ajax," Self Withdrawing), 848 Jackson, Pittsburgh, Pa.

## 9457—Wood Boring Machines (Multiple)

Andrew M. L. & Co., Cincinnati, O.
Defiance Machine Works, Defiance, O.
Fischer Machine Works (Adjustable), 1845 Carroll av, Chicago, Ill.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Root B. M. Co. ("Root"), York, Pa.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.

## 9458—Wood Carving Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Curtis Mach. Corp. ("Lochman," "Moore"), Jamestown, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Morey & Co., Inc., 46 Church, New York
*See adv index at end of book*
Porter C. O. Machy. Co., Grand Rapids, Mich. *See adv index at end of book*
Smith H. B. Machine Co., Smithville, N. J.
Valley City Machine Works ("Flying Dutchman," "Invincible," "Peerless," "Challenge," Carving Lathes), Grand Rapids, Mich.

## Wood Chipping Machines

See Pulp Wood Chipping Machines

## 9459—Wood Chucking Machines

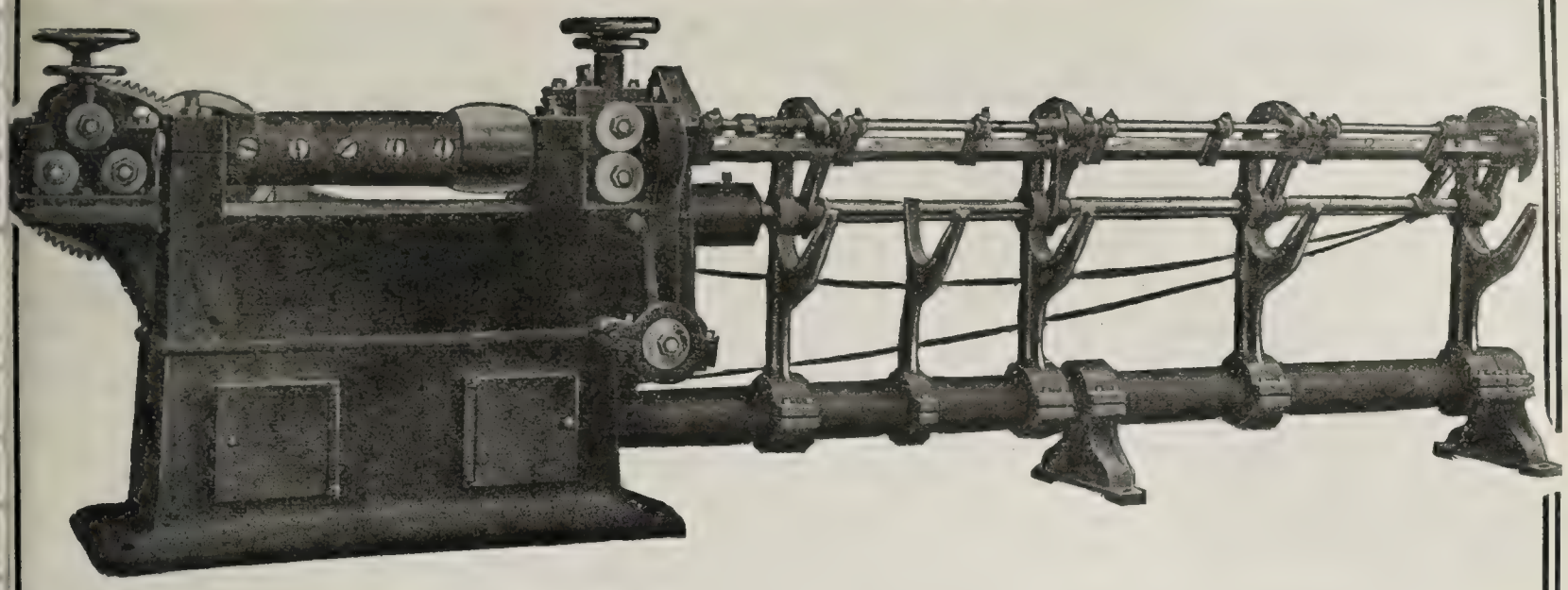
Jenkins Machine Co. (Double), Sheboygan, Wis.

## 9460—Wood Clipping Machines

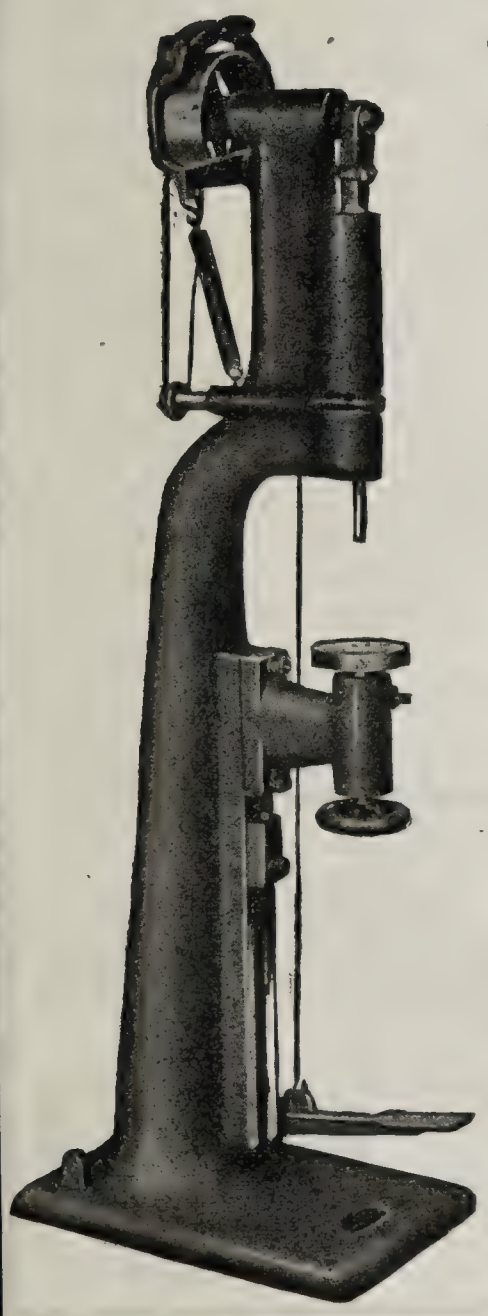
Wetherill Robt. & Co., Chester, Pa.

## 9461—Wood Cutting-Off Machines

Adams W. T. Machine Co., Corinth, Miss.
Allis-Chalmers Mfg. Co. (Steam Feed Cutting-Off Saws), Milwaukee, Wis.
American Saw Mill Machinery Co., Hackettstown, N. J.
American Woodworking Mach'y Co., Rochester, N. Y.
Barnes W. F. & John Co. (Foot & Power), Rockford, Ill.
Beach Mfg. Co., Montrose, Pa.
Carey W. W. Co., Lowell, Mass.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works, Defiance, O.
Dodds Alexander Co., Grand Rapids, Mich.
Farquahar A. B. Co. (Ltd.), York, Pa.
Fay J. A. & Egan Co., Cincinnati, O.
Fischer Machine Works (Double & Automatic Self-Feed Cut-Off Saws), 1845 Carroll av, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hall & Brown Woodworking Machine Co. (Carriage Cut-Off Sawing Machines), 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Hayes E. B. Machinery Corp., Oshkosh, Wis.
Holmes E. & B. Machy. Co., Buffalo, N. Y.
Jenkins Machine Co. (Oil Driven Automatic High Speed Cut-Off Saw), Sheboygan, Wis.
Kline Lewis T., Alpena, Mich.
Lane Mfg. Co., Montpelier, Vt.
Luther B. G. Co. (Double Cut-Off), Worcester, Mass.
Marston J. M. & Co. (Hand), 226 Ruggles, Boston, Mass.
Mecklenburg Iron Works, Charlotte, N. C.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Newman Machine Co., Greensboro, N. C.
Ober Mfg. Co., Chagrin Falls, O.
Olney & Warrin, 301 Lafayette, New York
Power L. & Co., 20 S 23d, Phila., Pa.



# Shuster Automatic Wire Straightening and Cutting Machines



take the material from the coil, straighten and cut it to accurate lengths at high speed with *small maintenance charges.*

They handle steel, iron, brass, copper, aluminum or special alloys with equal facility.

We make these machines in many sizes and lengths, and both belt and motor driven. Also machines for squares, hexagons, flats, strip and sheet metal.

## "Elastic Rotary" Blow Riveting Machines

(Trade Mark)

which form any shape head required in an instant. Made in many sizes and adapted for various classes of work, heavy agricultural implements, automobile parts, light novelties, hardware articles, toys, small tools, etc.

The force of the blow is always under the control of the operator and the work may be riveted tight or loose as desired.

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**Formerly John Adt & Son** **Established 1866**

**Cedar Hills, New Haven** **Connecticut**

WOOD CUTTING-OFF MACHINES—cont.

Sidney Machine Tool Co. (Cut-Off Saws), Sidney, O.
Smith H. B. Machine Co. (Also Pendulum or Swing), Smithville, N. J.
Towsley Jno. T. Mfg. Co., Cincinnati, O.
Union Iron Works, Bangor, Me.
Victory Mach. & Lbr., Inc., Buffalo, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

## 9462—Wood Cutting-Off & Equalizing Machines

Defiance Machine Works, Defiance, O.

## 9463—Wood Dish Machinery

Defiance Machine Works, Defiance, O.

## Wood Embossing Machines

See Embossing Machines

## Wood Fibre Machinery

See Fibre Machinery

## 9464—Wood Flooring Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Moltz Jacob J., Williamsport, Pa.
Newman Machine Co., Greensboro, N. C.
Power L. & Co., 20 S 23d, Phila., Pa.
Smith H. B. Machine Co., Smithville, N. J.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

## Wood Gang Boring Machines

See Wood Boring Machines, Multiple

## 9465—Wood Gang Drilling Machines

Fay J. A. & Egan Co., Cincinnati, O.
Williams, White & Co. (6 to 10 Holes), Moline, Ill.

## 9466—Wood Gang Sawing Machines

Bradley H. C., Bridgeport, Conn.
Fischer Machine Works (Cutting-Up Saws), 1845 Carroll av, Chicago, Ill
**HALL & BROWN WOOD WORKING MACHINE CO.,** 1929-33 N B'way, St. Louis, Mo. *See adv index at end of book*
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Wickes Bros., 512 Tilden, Saginaw, Mich.

## 9467—Wood Graining Machines

Grand Rapids Panel Co., Grand Rapids, Mich.
Silver Hugh & Son, Ogdensburg, N. Y.

## Wood Matching Machines

See Matching Machines, Wood

## 9468—Wood Mitreing Machines

Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Oliver Machinery Co., Grand Rapids, Mich.

## 9469—Wood Mortising Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Barnes W. F. & Jno. Co. (Hand & Foot Power), Rockford, Ill.
Colgan Machinery & Supply Co. ("Champion"), Columbus, O.
Cordesman, Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
Hall & Brown Wood Working Machine Co. (Cabinet Hollow Chisel, etc.), 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Heath W. A. Machine Co. (Chair), Lestershire, N. Y.
Jenkins Machine Co. (6 or 8 Bit), Sheboygan, Wis.
Jones Superior Machine Co. ("Superior"), 1264 W North av, Chicago, Ill.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Miller A. W. Mfg. Co. (Hand), 3542 Liston av, Cincinnati, O.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Smith H. B. Machine Co., Smithville, N. J.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Wysong & Miles Co. (Square Chisel), Greensboro, N. C.

## 9470—Wood Moulding Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Barnes W. F. & Jno. Co. (Hand & Foot Power), Rockford, Ill.
Central Machine Works Co. (Double Spindle & Variety Moulding Machine), 1234 Central av, Minneapolis, Minn.
Colladay Jos. O. Co., 626 Race, Phila., Pa.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
De Loach Mill Mfg. Co., Bridgeport, Ala.
Defiance Machine Works, Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
**HALL & BROWN WOODWORKING MACHINE CO.,** 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Hermance Machine Co. (7, 8, 9, 10, 12 & 14 inches, four Side), Williamsport, Pa.
Marseilles Works of Deere & Co., East Moline, Ill.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Newman Machine Co. (For Outside Moulding), Greensboro, N. C.
Power L. & Co., 22 S 23d, Philadelphia, Pa.
Smith H. B. Machine Co., Smithville, N. J.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, Mass.
Yates P. B. Machine Co., Beloit, Wis.

## 9471—Wood Paneling Machines

Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*

## 9472—Wood Paving Block Machines

Garland M. Co., Bay City, Mich.
Wheland Co., Chattanooga, Tenn.

## 9473—Wood Pipe Boring Machines

Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*

## 9474—Wood Polishing Machines

American Woodworking Machy. Co., Rochester, N. Y.
Defiance Machine Works (Belt, for Handles, Spokes, Rims, Felloes, etc), Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Klotz Machine Co., Sandusky, O.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Nash J. M., 842 30th, Milwaukee, Wis.
Smith H. B. Machine Co. (Sand), Smithville, N. J.
Greenlee Bros. & Co., Rockford, Ill.

## Wood Printing Machines

See Box Board Printing Machines

## Wood Pulp Wet Machines

See Wet Machines, Paper Mill

## 9475—Wood Ring & Valve Handle Machines

Pringle & Brodie, 514 Carroll, Chicago, Ill.

## 9476—Wood Sawing Machines

Aeromotor Co., 2500 West 12th, Chicago, Ill.
American Sawmill Machinery Co., Hackettstown, N. J.
Appleton Mfg. Co. ("Appleton" Sliding & Tilting Table), Batavia, Ill.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
Baker Mfg. Co., Evansville, Wis.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Belle City Mfg. Co., Racine, Wis.
Burlingame A. Co., Worcester, Mass.
Challenge Co. (Wood & Steel, Tilting & Sliding Table), Batavia, Ill.
Conner J. W. & Son, Orangeville, Pa.
Crescent Machine Co. (Sliding & Tilting Table), Leetonia, O.
Detroit Engine Works, Kerchols & Connors, Detroit, Mich.
Duplex Mfg. Co. (For Cord Wood), Superior, Wis.
Ellis Keystone Agricultural Works (Circular Saw), Pottstown, Pa.
Fairbanks, Morse & Co. (Type "Z" Engine Belted to a Tilting Table), 900 S Wabash av, Chicago, Ill.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fay J. A. & Egan Co., Cincinnati, O.


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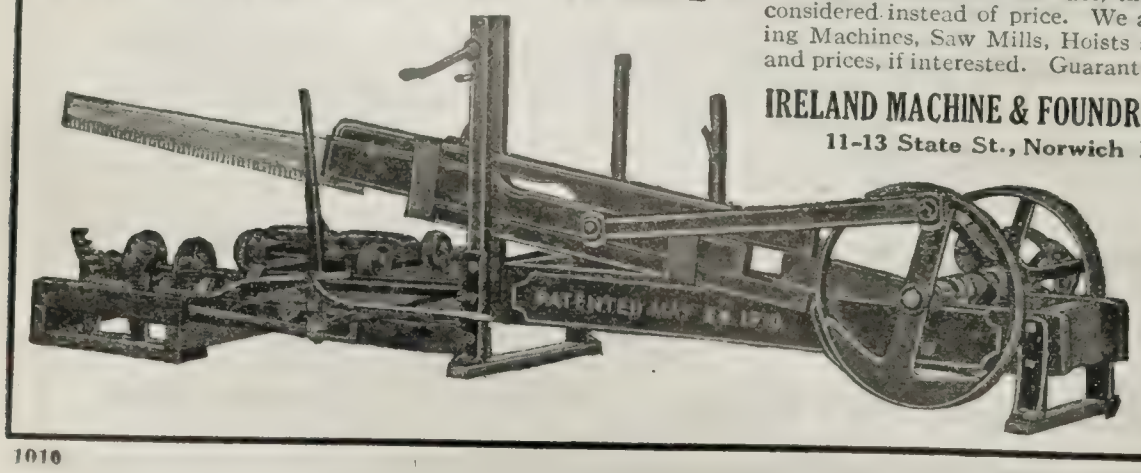
that the name "Ireland" on Wood Sawing Machines is becoming so popular with the public, for the fact, that quality, workmanship, and durability is considered instead of price. We are manufacturers of all kinds of Wood Sawing Machines, Saw Mills, Hoists and Grey Iron Castings. Write for circulars and prices, if interested. Guaranteed satisfaction and prompt service our motto.



**IRELAND MACHINE & FOUNDRY CO., Inc.**
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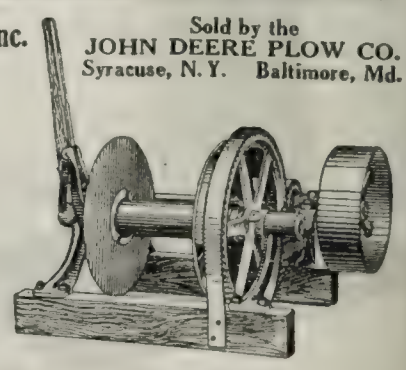


Flint & Walling Mfg. Co. ("Star," Steel Frame), Kendallville, Ind.
Gehl Bros. Mfg. Co., West Bend, Wis.
Globe Co. (Circular & Pole Saw for Cord Wood), Sheboygan, Wis.
Gowanda Agricultural Works (Wood Mill with Jack), Gowanda, N. Y.
Grace C. M. & Co., Huntsville, Ala.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Greenville Implement Co., Greenville, Mich.
**HALL & BROWN WOOD WORKING MACHINE CO.,** 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Harriman Mfg. Co., Harriman, Tenn.
Heebner & Sons ("Daisy"), Lansdale, Pa.
Hemingway Machine Co., Lynn, Mass.
Howell R. R. & Co., 31st av, Minneapolis, Minn.
Ireland Machine & Foundry Co. ("Ireland"), Norwich, N. Y.
*See adv index at end of book*
Kline Lewis T., Alpena, Mich.
Lyon Iron Works, Greene, N. Y.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Messinger Mfg. Co. (Swinging & Sliding Table), Tatamy, Pa.
Newman Mach. Co. (Swing), Greensboro, N. C.
Ober Mfg. Co., Chagrin Falls, O.
Perkins Wind Mill Co., Mishawaka, Ind.
Port Huron Engine & Thresher Co. (Sawing Only), Port Huron, Mich.
Smith & Pomeroy Windmill Co. ("Eureka"), Kalamazoo, Mich.
Taylor Iron Works & Supply Co., Macon, Ga.
Thompson Plow & Engine Works, Beloit, Wis.
Wheland Co., Chattanooga, Tenn.
Weaver & Co. ("Champion"), New Oxford, Pa.
Wodsedalak Jos., Algoma, Wis.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.

## 9477—Wood Sawing Machines (Circular)

Am. Saw Mill Machinery Co., Hackettstown, N. J.
Barnes W. F. & John Co., Rockford, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Ireland Machine & Foundry Co. ("Ireland"), Norwich, N. Y.
*See adv index at end of book*
Kidder R. E. Co. (For Ripping & Cross Cutting), Worcester, Mass.
Lyon Iron Works, Greene, N. Y.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.
Yates P. B. Machine Co., Beloit, Wis.

## 9478—Wood Sawing & Splitting Machinery

See also Kindling Wood Machinery

Baker Wm. H. ("Baker" Splitting), Trenton, N. J.
Briggs Auto Wood Saw Co., 281 Hawthorne av, Portland, Ore.
Clark Foundry Co. (Splitting Only), Rumford, Me.
Deane Machine Co. ("Splitting Only"), Fitchburg, Mass.
Glascock Stove & Mfg. Co. ("Glascock" Wood Splitting), Greensboro, N. C.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
New Winona Mfg. Co. (Portable Wood Saws of Various Kinds), Winona, Minn.
West Point Iron Works (Splitters), West Point, Ga.
Wheland Co. (Splitting), Chattanooga, Tenn.

## 9479—Wood Scraping Machines

Whitney Baxter D. & Son, Winchendon, Mass.

## 9480—Wood Screw Machinery

Cook Asa S. Co. (Complete Plant Equipment), Hartford, Conn.
Manville E. J., Machine Co., Waterbury, Conn.
Townsend H. P. Mfg. Co. ("Townsend"), Hartford, Conn.

## Wood Shaping Machines

See Shaping Machines, Wood

## 9481—Wood Shaping & Variety Moulding Machines

Central Machine Works Co. (Double Spindle), 1234 Central av, Minneapolis, Minn.
Crescent Machine Co., Leetonia, O.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Sidney Machine Tool Co., Sidney, O.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.
Yates P. B. Machine Co., Beloit, Wis.

## 9482—Wood Surfacing Machines

American Sawmill Machinery Co., Hackettstown, N. J.
American Woodworking Machy. Co., Rochester, N. Y.
Chappell, Wayvell & Co. (Automatic Ball Bearing Electric Floor Desk), 416 W Grand av, Chicago, Ill.
Connell & Dengler Machine Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Newman Machine Co., Greensboro, N. C.
National Woodworking Machine Co., Dover, N. H.
Oliver Machinery Co., Grand Rapids, Mich.
Power L. & Co., 20 S 23d, Phila., Pa.
Sidney Machine Tool Co., Sidney, O.
Stetson-Ross Machine Works, Seattle, Wash.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N. W. Cleveland, O.
Towsley Jno. T. Mfg. Co., Cincinnati, O.
Valley City Machine Works, Grand Rapids, Mich.
Whitney Baxter D. & Son (Single & Double Surfaces), Winchendon, Mass.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.
Yates P. B. Machine Co., Beloit, Wis.

## 9483—Wood Tenoning Machines

American Woodworking Mach'y Co., Rochester, N. Y.
Barnes W. F. & John Co. (Hand Power), Rockford, Ill.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Defiance Machine Works (Chucking & Tenoning), Defiance, O.
Fay J. A. & Egan Co., Cincinnati, O.
Greenlee Bros. & Co., Rockford, Ill.
Hall & Brown Wood Working Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Hayes E. B. Machinery Corp. (Single & Double End), Oshkosh, Wis.
Heath W. A. Machine Co., Lestershire, N. Y.
Kane & Roach, Syracuse, N. Y.
National Woodworking Machine Co., Dover, N. H.
Newman Machine Co., Greensboro, N. C.
Power L. & Co., 20 S. 23d Phila., Pa.
Smith H. B. Machine Co., Smithville, N. J.
Strong Carlisle & Hammond Co., 336-344 Frankfort av, N. W., Cleveland, O.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Vulcan Iron Works Co. ("Universal" Tenon & Boring Machines), Mason City, Ia.
Wilkin-Challoner Co. (Double End), Oshkosh, Wis.

## 9484—Wood Thread Cutting Machinery

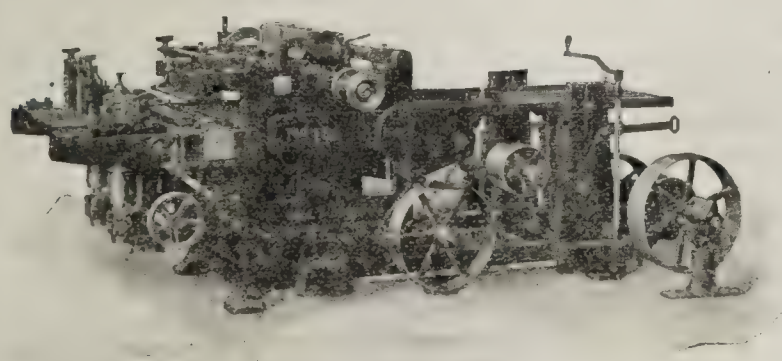
Defiance Machine Works, Defiance, O.

## 9485—Wood Trimming Machines

Adams W. T. Machine Co., Corinth, Miss.
Fox Machine Co., Jackson, Mich.
Giddings & Lewis Mfg. Co. ("G. & L." Air Lift), Fond du Lac, Wis.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Lane Mfg. Co., Montpelier, Vt.
Lester & Wasley Co., Norwich, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
Perkins & Co., ("Perkins" Bench Draw Stroke Trimmer), Grand Rapids, Mich.
Yates P. B. Machine Co., Beloit, Wis.

## 9485a—Wood Working Aeroplane Building Machines

Woods S. A. Machine Co., Boston, Mass. ("Planers of Woods"), 27 Damrell, Boston, 27, Mass.

New Model No. 156 Baby Fast Feed Planer, Matcher and Moulder Combined

# Wood Working Machinery

We build a full line of latest improved modern wood working machinery and shall be pleased at all times to submit quotation on receipt of your inquiry. Address

**Hall & Brown Wood Working Machine Co.**
1929 to 1933 No. Broadway St. Louis, Mo.

## 9485b—Wood Working Machinery

See also the Specific Article Required

Bass Bros., 82 Walker, New York
Bolinders Co. ("Bolinders"), 30 Church, New York
Chicago Machinery Exchange (Wholesale), 1219 Washington blvd, Chicago, Ill.
Green L. A., First National Bank bldg., Pittsburgh, Pa.
Mann Corp. (Sash Trimmers), 72 W Adams, Chicago, Ill.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Porter C. O. Machinery Co., 666 Front av N W, Grand Rapids, Mich.
*See adv index at end of book*

**C. O. PORTER MACHINERY CO.**
*Manufacturers of*
**"THE PORTER"**
WOOD-WORKING MACHINES
666-668 Front Ave. N. W., Grand Rapids, Mich.

Woodworkers Tool Wks., 222 S Jefferson, Chicago, Ill.
Wunsch & Washburn, Stone av & McDougal, Brooklyn, N. Y.
Wysong-Miles Co., Greensboro, N. C.

## 9486—Wood Working Machinery (Hand & Foot Power)

Aumen Machinery Co., 109 E. Lombard, Baltimore, Md.
Barnes W. F. & Jno. Co. (Circular Sawing Machines), Rockford, Ill.
Crescent Machine Co., Leetonia, O.
Connell & Dengler Machine Co., Allen & Platt, Rochester, N. Y.
Elliott Woodworker Co., Congress & Brush, Detroit, Mich.
Hendley & Whittemore Co., Beloit, Wis.
McDonough Mfg. Co., Eau Claire, Wis.
Machinery Co. of America, Big Rapids, Mich.
Machy Co. of America (Saw & Knife Fitting Machy & Tools), Grand Rapids, Mich.
Marston J. M. & Co., 226 Ruggles, Boston, Mass.
**MOLITOR CHAS. MACHINERY CO.,** 118 S Clinton, Chicago, Ill.
Passelino Bros. Furniture Mfg. Co., 1111 Harper, Detroit, Mich.
Redin, Ekstioner Co., Rockford, Ill.

## 9487— Wood Working Machines (Universal)

American Saw Mill Machinery Co., Hackettstown, N. J.
Bicknell Mfg. & Supply Co., Janesville, Wis.
Buffalo Forge Co. ("Crain"), Buffalo, N. Y.
Crescent Machine Co., Leetonia, O.
Elliott Woodworker Co., Congress & Brush, Detroit, Mich.
Fay J. A. & Egan Co., Cincinnati, O.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Parks Ball Bearing Mach. Co., Knowlton & Fergus, Cincinnati, O.
Schaefer Mfg. Co. ("Berlin"), Berlin, Wis.
Sidney Machine Tool Co. ("Famous"), Sidney, O.
Stetson Machine Works, 3204 1st av, S Seattle, Wash.
Tannewitz Works, Grand Rapids, Mich.
Vonnegut Machy. Co., 43 S Meridian, Indianapolis, Ind.
Woodworkers' Mfg. Co., 96 Brush, Detroit, Mich.
Woods S. A. Machine Co. ("The Planers of Woods"), 27 Damrell, Boston, 27, Mass.

## 9488—Wooden Corking Machines

Redlich Mfg. Co. (Hand), 647 W Oak, Chicago, Ill. *See adv index at end of book*

## Woolen Machinery

See Textile Machinery. For page number consult Index of Contents

## 9489—Woven Wire Mattress Machinery

See also Wire Mattress Machinery

Erlandsen Julius, 172 Centre, New York

## 9490—Wrapper Cutting Machines

Shirk P. E., Blue Ball, Pa.

## 9490a—Wrapping Machines (Bread)

Heysen Mfg. Co., Sheboygan, Wis.
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, O.

## 9491—Wrapping Machines (Candy)

Dellenbarger C. E., 1370 W Grand av, Chicago, Ill.
Ideal Wrapping Machine Co. ("Ideal," Caramel), Middletown, N. Y.
Knott E. R. Machine Co., 32 Dorchester, Boston, Mass.
Premier Machinery Co., Oakland, Cal.

## 9492—Wrapping Machines (Chewing Gum)

Dellenbarger C. E., 1370 W Grand av, Chicago, Ill.
Package Machinery Co., Springfield, Mass.
Redington F. B. Co., 112 S Sangamon, Chicago, Ill.

## 9493—Wrapping Machines (Fruit & Merchandise

Package Machinery Co., Springfield, Mass.
Pneumatic Scale Corporation (Ltd.), (Automatic for Cereals, Candy, Soap Powders, etc), Norfolk Downs, Mass.
Premier Machinery Co., Oakland, Cal.

## 9494—Wrapping Machines (Rubber Mill)

Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Farrel Fdry. & Machine Co., Ansonia, Conn.
Housatonic Mach. & Tool Co., Bridgeport, Conn.

## 9495—Wrapping Machines (Soap)

Machinery Designing & Mfg. Co., 656 Hudson, New York
Package Machinery Co., Springfield, Mass.

## 9496—Wrapping Machines (Tire & Wire)

Augier Mechanical Laboratories (Fire), Framington, Mass.
Miller Chas. E. (Tire), Anderson, Ind.
Pierce Wrapping Machine Co., 625 W Jackson blvd, Chicago, Ill.
Rossman Roy G. (Tire), Seattle, Wash.
Terkelsen & Wennberg ("T. & W." Multiple), 326 A, Boston, Mass.
Thropp's Jno E. Sons Co. (Power Operated for Unwrapping Tread Tires), ft. of Lewis, Trenton, N. J.
*See adv index at end of book*

## 9497-8—Wrapping Paper Machines

Beloit Iron Works, Beloit, Wis.

## 9499—Zinc Rolling Mill Machinery

Farrel Foundry & Machine Co., Ansonia, Conn.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 9500— Machinery Dealers

See also Mill & Factory Supplies

### ALABAMA.

BIRMINGHAM—Birmingham Machine & Fdry Co.
Blount J. I. & Co.
Donahoo J. F. Co.
Lehman Chas. T. (New & Second Hand)
Lum Geo. E. (New & Second Hand Engines, Boilers, Saw Mill & Mining Machinery, etc.)
McClary-Jemison Machy. Co.
Moore-Handley Hardware Co. (New Engines, Boilers, Saw Mill Machinery)
Shook & Fletcher Supply Co. (Machinery, etc.)
Yates J. A. Machine Co. (Mining Machinery)
BRIDGEPORT—De Loach Mill Mfg. Co.
HUNTSVILLE—Grace C. M. (Engine & Boilers)
MOBILE—American Equipment Co.
Courtright & Whiting Supply Co.
McGowin Hardware & Supply Co.
Reliance Equipment Co.
Turner Supply Co. (New & Second Hand(
MONTGOMERY—Alabama Machinery & Supply Co. (Saw Mill Machinery)
Janney & Co.
Lum Machinery & Supply Co. (Engines, Boilers, Wood Working, etc)
SELMA—Bloch Bros.
Union Iron Works Co.

### ARIZONA.

PHOENIX—Thayer Ezra W. (Engines, Mining Machinery & Agricultural Implements, etc)

### ARKANSAS.

LITTLE ROCK—Cox Thos. & Sons Machinery Co.
Rosenbaum C. E., Machinery Co.
Schaad Ben D., Machy. Co.
MORRILTON—DeLong Machinery Co.
STUTTGART—Whaley J. F. (Agricultural)

### CALIFORNIA.

LOS ANGELES—Arnott & Co. (Agricultural Only), 112 S Los Angeles
Buttress & McClellan (Used Machy.) 205 N Los Angeles
Cleveland W. L. Co. (Agricultural, etc)
Concrete Machy. Supply Co. (Concrete Machy. & Supplies)
Eccles & Smith Co., 243 S Los Angeles
Eby Machinery Co., 438 E 3d
Fulton Engine Works (Engines, etc)
Harper & Reynolds Co., 152 N Main
Harron, Rickard & McCone (Engine, Electrical, Woodworking, Mach., etc), 225 S San Pedro
HENS LOUIS G. (Machine Tools, Shop Equipment & Electric Cranes), Title Insurance bldg (See also Can Francisco)
Herbert Machy. & Supply Co., 401 E 3d
Jackson Byron Iron Works (Pumps), 336 E 3d
Llewellyn Iron Works (Boilers, Engines, Pumps, etc)
McKain Mfg. Co., 921 Main N
Moore Chas. C. & Co., Van Nuys bldg (Pumps, Mining & Mill Machinery)
Smith-Booth-Usher Co.
United Iron Works
OAKLAND—American Machine Works (new & used)
Bay City Iron Works (New & Used), 221 Wash
RIVERSIDE—Parker Machine Works, 491 Mulberry
Wigmore John & Sons Co., 401 E 4th
SAN DIEGO—Hazard Gould Co.
Machinery Supply Co.
Mayer Sidney E. Co. (New & Used)
Western Metal Supply Co.
SAN FRANCISCO—Baker, Hamilton & Pacific Co. (Creamery machinery), 7th & Townsend
Berger & Carter Co. (Owners of Pacific Tool & Supply Co.), (Metal Working Machinery, Food Preserving Machinery, Machinery Supplies), 365 Market
California Hydraulic Engineering & Supply Co. (Engines, Boilers, Pumps, Motors, etc), 70 Fremont
California Saw Works, 721 Brannan
Coast Supply Co., 24 California
Commercial Metal & Machinery Co., 550 4th

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

Dunn J. T. Co., 216 Pine
*See adv index at end of book*

**J. T. Dunn Co., Inc.**
Exporters of
**Machinery**
216 Pine Street, San Francisco, Cal.

**EBY MACHINERY CO.** (Saw Mill & Wood Working Machinery), 35 Main
Eccles & Smith Co. ("Machine Shop Tools, Air Compressors, Pneumatic Tools, etc) 71 1st
Fay Geo. H. Co., 599 Mission
General Machinery & Supply Co., 39 Stevenson *See adv index at end of book*

GEMSCO
TRADE MARK
SERVICE QUALITY
GENERAL MACHINERY & SUPPLY CO
SAN FRANCISCO, CALIF.
General Machinery and Supply Co.
*Engineers' Machinists' and Steam Fitters' Supplies*
Hand and Machine Tools
Pipe, Valves, Fittings, etc.
San Francisco, Cal.

Hampton Electric & Machine Co. (Elec. Motors, etc.), 518 Mission
Harron, Rickard & McCone (General, etc), 139 Townsend
Henes Louis G. (Machine Tools, Shop Equipment & Electric Cranes), 75 Fremont. (See also Los Angeles)
Lyon H. F. Co., 24 California
Machinery Dealers' Agency, 593 Market
**MEESE & GOTTFRIED CO.**, 660 Mission
Moore Chas. C. & Co. (Pumps, Mining & Mill Machinery), Sheldon bldg
Pacific Tool & Supply Co. (Owned by Berger & Carter Co.), (Metal Working Machinery & Supplies), Fremont & Mission
Scovel Iron Store Co., 754 Howard
Stallman F. O. Supply Co., 129 1st
Wagner Jos. Mfg. Co. (Flour Mill, etc), 165 Beale
Ward Fred & Son, 164 1st
Woodin & Little (Steam Pumps, Gasoline Engines, etc), 33 Fremont
Young A. L. Machinery Co., 28 Fremont

### COLORADO.

DENVER—Advance Machinery & Supply Co.
Denver Engineering Works Co.
Denver Metal & Machinery Co. (Jobbers)
Flint Electric & Mfg. Co.
Mine & Smelter Supply Co. (Engines, Boilers, Pumps, etc)
Morse Bros. Machinery & Supply Co. (Mining Machinery, Hoisting Engines, etc)
Stearns-Roger Mfg. Co.
LEADVILLE—McCarty & Moore
PUEBLO—Pueblo Brass & Iron Foundry

### CONNECTICUT.

BRIDGEPORT—Eaton John A. (Second-Hand)
Bradford Machinery Co. (New & Second Hand)
Gledhill & Co. (Second-Hand)
Lucas J. L. & Sons
Nilson A. H. Mach. Co.
HARTFORD—Pickering W. H. & Co.
Purinton & Smith Co.
Townsend H. P. Mfg. Co. ("Townsend")
PLAINVILLE—Ideal Switch & Machy. Co., Inc.
WATERBURY—Ashenden, H. W.
Waterbury Scrap Iron Co. (Second-Hand)

### DELAWARE.

WILMINGTON—Delaware Electric & Supply Co. (Engines, Pumps, etc)

### DISTRICT OF COLUMBIA.

WASHINGTON—Columbia Pump & Well Co., 522 12th, N W
National Electrical Supply Co. (Machinery, Pumps, Engines, Dynamos, etc), 1330 N. Y. av.

### FLORIDA.

JACKSONVILLE—Brook-Sharp Machinery Co. (& Supplies)
Cameron & Barkley Co.
Christopher J. G. Co.
Duff Wm. E. Co. (& Machine Tools)
Farquhar Machinery Co.
Malsby Machinery Co.
LAKE CITY—Johnson L. W.
LAKELAND—Pinch Co. (Electrical)
OCALA—McIver & McKay (Engines, Boilers, Pumps, Phosphate Machinery, etc)
PENSACOLA—Gulf Mach. Wks. (Second-Hand)
TAMPA—Cameron & Barkley Co.
Johnson Joe B. (Engines, etc)
Parcell F. S.

### GEORGIA.

ALBANY—Albany Mill Supply Co.
ATHENS—Athens Foundry & Machine Works
ATLANTA—American Machinery Co.
Armstrong R. S. & Bro. (New & Second-Hand Air Compressors, Engines, Boilers, Electrical Iron & Woodworking)
Atlanta Machinery Exchange (New & Second-Hand Boilers, Engines)
Avery & Co. (Saw Mill, etc)
Bailey-Burruss Mfg. Co.
**Cotton States Belting & Supply Co.**
Fulton Supply Co.
Malsby Co. (Engines, Boilers, Saw Mill, Machinery, etc)
Seeger Machine Tool Co., 34 S Forsyth
*See adv index at end of book*
Seeger-Walraven Co.
Southern Machinery Co. (Farm)
Walraven Co., The, 36-38 W Alabama
*See adv index at end of book*
AUGUSTA.—Lombard Iron Works & Supply Co. (Engines, Boilers, Saw Mills, etc)
BRUNSWICK—United Supply Co.
COLUMBUS—Columbia Iron Works
DALTON—Hardwick W. M.
ELBERTON—Lunsford G. A. & Sons
MACON—Schofield's J. S. Sons Co. (Engines, Pumps, Saw Mills, etc)
Taylor Iron Works & Supply Co. (Gasoline & Oil Engines, Boilers, Mill Machinery, etc)
ROME—Battey Machinery Co. (Engines, Boilers, Gin & Saw Mill Machinery)
Rome Machine & Foundry Co.
SAVANNAH—Georgia Supply Co. (New)
Kehoe Iron Works (Machinery of All Kinds, Boilers, etc.)
Rourke Jno. & Sons
Savannah Supply Co. (Engines, Boilers, etc)
THOMASVILLE—**THOMASVILLE IRON WORKS, INC.**

### ILLINOIS.

BLOOMINGTON—Constant B. S. Mfg. Co.
Keiser-Van Leer Co. (Engines, Pumps, Boilers, etc)
BRIDGEPORT—Illinois National Supply Co.
CAIRO—Reed Hardware & Mfg. Co. (Iron Working Tools, etc.)
CASEY—Illinois National Supply Co.
CHICAGO—Alton Iron & Metal Co., 2122 S Loomis
Allen B. Co., 104 S Clinton
*See adv index at end of book*

Tel. Franklin 3487.
**B. C. Allen Machinery Co.**
New and Second Hand
Iron, Brass and Tinners
Machinery
Machine Tools
Dynamos, Motors, etc.
**104 South Clinton Street, Chicago, Ill.**

Anderson Chas. L. Machy. Co., 2256 W Walnut
Austin & Western Road Machinery Co. (Road-Making, etc), 910 S Michigan av
Besly & Co., Chas. H., 570 W Randolph
Campbell-Bosworth Machy. Co., 18 S Market
Carpenter Geo. B. & Co., 440 N Wells
Chicago Brick Machy. Co., 20 W Jackson blvd
Chicago Engineer Supply Co., 68 W Lake
Chicago Machinery Exchange (Woodworking Machy.), 1217 Washington blvd
Chicago Pulley & Shafting Co. (Power Transmission), 40 S Clinton
Dickow Fred C. (Machine Tools), 3504 W Lake

SEEGER MACHINE TOOL CO.
34 S. Forsyth Street F. A. SEEGER, President Atlanta, Ga.
MACHINE SHOP
FOUNDRY AND GARAGE EQUIPMENT AND SUPPLIES
A COMPLETE LINE OF ALL CLASSES OF EQUIPMENT
Competent Salesmen to Give You Constructive Service
IF IT'S MACHINE TOOLS AND EQUIPMENTS YOU WANT, WE CAN SERVE YOU

ILLINOIS—CHICAGO—continued

Economic Machinery Co., 53 W Jackson blvd
Electrical Machinery Sales Co., 327 S La Salle
Ellis R. E. Engineering Co. (Production Machinery), 621 Washington blvd
Ellis R. E. Engineering Co., 549 Washington blvd
Essley E. L. Machinery Co. (Machine Tools, etc.), 555 Wash'n blvd
Federal Machinery Sales Co., 12 N Jefferson
**Gregory Electric Co. (Electric), 1601 S Lincoln**
Harris Bros. Co., W 35th & Iron
Harris Sam'l & Co. (Machine Shop Machinery, Tools, etc), 114 N Clinton
Henion & Hubbell (Pumps, Steam, Power, Electric, Hand, etc), 219 N Jefferson
Hill, Clarke & Co. of Chicago (New Remanufd. Machinery), 625 Washington blvd
Hodgart & Co. (Air Compressors, Steam Engines, Pumps, etc), 122 S Michigan av
Latham Machinery Co., 1153 Fulton
Lennox Machine Co., 2558 W 16th
Lower W. B. & Co. (Contractors), 415 S Dearborn
Machy. Warehouse Co., 1455 W 38th
Manning, Maxwell & Moore, 111 N Canal
Marshall & Hushcart Machinery Co. (Machine Tools & Miscellaneous Machy.), 17 S Jefferson
Mayer F., 53 W Jackson
**MOLITOR CHAS. MACHINERY CO.** (New & Second Hand, Tinners & Woodworking), 118 S Clinton

Moore Bros
REBUILT MACHINERY
39 So. La Salle St., Chicago, Ill.

Pfannmueller Engineering Co. (Engineers & Power Equipment), 38 S Dearborn
Read Machinery Co., 443 S Dearborn
Ryerson Jos. T. & Son, 910 Corn Exch. bldg & 16th & Rockwell
*See adv index at end of book*
Schramm Chris D. & Son, Inc., 605 S Dearborn
Scully-Jones & Co., 647 Railway Exc. bdg
Scully Steel & Iron Co. (Heavy Machy.), 2364 S Ashland av
Shaw, Willis (New & Second-Hand), 80 E Jackson blvd
Stocker-Rumley-Wachs Co., 117 N Jefferson
Street R. R. & Co. (Textile Machy., etc.), 549 Washington blvd
Vulcan Engineering Sales Co., 1764 Elston av
Walworth A. O. & Co. (New & Second Hand Machine Shop Equipment), 30 S Clinton
Wanner Machy. Co. (Printing Machines), 716 Dearborn
White A. D. Machinery Co. (Machine Tools & Machy.), 108 N Jefferson
Williamson H. C., 321 N Crawford av
CHICAGO HEIGHTS—Gordon Supply Co.
Wallace C. E. & Co. (New & Second Hand)
ELGIN—Hawthorne Hardware Co.
LAWRENCEVILLE — Illinois National Supply Co.
MENDOTA—Mendota Mfg. & Transfer Co.
PEORIA—Armstrong Jas. C. Machine & Fdry. Co. (Engines, Pumps, etc)
QUINCY—Hollister-Whitney Co.
SPRINGFIELD—Ansell, Oscar
TAYLORVILLE—Baughman Bros. (Agricultural)

## INDIANA.

BLOOMINGTON—Seward & Co. (Engines, Pumps, etc.)
EVANSVILLE — Evansville Supply Co. (New, Engine, Boiler & Power Transmitting, Machinery, etc)
**Grote F. Mfg. Co.**
FORT WAYNE—Mossman, Yarnelle & Co. (New, Engines, Boilers, etc)
National Mill Supply Co. (Engines, Boilers, etc.)
Wayne Machy. Co.
INDIANAPOLIS—Bock Equipt. Co., 1900 Northwestern av
Drava-Doyle Co., 1207 N Illinois
Dunning Carl Supply Co.
Kenney Machy. Co. (Agricultural Mach.), 124 S Capitol av
Van Camp Hardware & Iron Co. (Engines, Boilers, etc), 401 W Maryland
Vonnegut Machinery Co. (Machine Tools, Power Transmission Machinery, Electric Motors, Machine Shop Equipment, Woodworking & Second Hand Machinery)
MARION—Marion Machine, Foundry & Supply Co. (Engines, Boilers, Tanks, etc)

## IOWA.

CEDAR RAPIDS—Fawcett C. E. (Electrical, Iron & Woodworking)
DES MOINES—Globe Machinery & Supply Co. (Engines, Boilers, Pumps, etc)
Iowa Machinery & Supply Co.
MARSHALLTOWN—Lennox Machine Co. (See Chicago, Ill.)
OTTUMWA—McDaniel C. E.
TIPTON—Tipton Hardware Co.
WATERLOO — Chamberlain Machine Works (Gas Engines)

## KANSAS.

ENTERPRISE—Ehrsam J. B. & Sons Mfg. Co.
INDEPENDENCE—National Supply Co.
LEAVENWORTH—Fisher Machine Works Co.
WICHITA—Western Iron & Foundry Co.

## KENTUCKY.

LOUISVILLE—Brandies Machinery & Supply Co., 331 W Main
Grainger & Co.
Morton E. D. & Co. (Machine Tools, Power Transmission, etc), 516 W Main
Pyne Co.
Vogt H. Machine Co. Inc.
OWENSBORO—Gunther Hardware Co.

## LOUISIANA.

JEANERETTE—Fay Bros.
MONROE—Weaks Supply Co.
NEW ORLEANS — American Hoist & **Derrick Co., 712 Union**
Baldwin A. & Co., Ltd., Camp & Common
**BOLAND MACHINE & MFG. CO.** (Drainage, Irrigation Pumps, etc), 1006 Tchoupitoulas
Cudlip Belting & Machinery Co., 317 Tchoupitoulas
*See adv index at end of book*
**Fairbanks Co., Camp & St. Joseph**
Globe Supply & Machinery Co., 627 S. Peters
**HAUBTMAN & LOEB CO. (LTD.),** (Engines, Boilers, Pumps, etc, New & Second-Hand), 618 Magazine *See adv index at end of book*
**Lockett A. M. & Co. Ltd. (Engines, Boilers, Pumps, etc.), 533 Baronne**
McArdle P. H., 513 Corondelet
**Menge Marine Hardware & Supply Co., 232 Canal**
Murphy Jno. H. Iron Works (Engines, Boilers, Pumps, & Sugar & Machinery, etc), 643 Magazine
Patterson C. T. Co. (Ltd.), 801 Tchoupitoulas
Southern Jobbers & Supply Co.
Southern States Engng. Co. (Second-Hand), Hennen bldg
Standard Supply Co., 420 Carroll
Van Horn Oliver H. Co., Inc., 518 Camp
Whitney Supply Co., 418 S. Peters
Woodward, Wight & Co. (Ltd.), Howard av & Constance
SHREVEPORT—Henderson W. K. Iron Works & Supply Co.

## MAINE.

PORTLAND—Dunn M. E.
Portland Co. (Engines, Boilers & General Machinery)

## MARYLAND.

BALTIMORE—Aumen Machinery Co. (Iron & Woodworking Machinery, Engines, Boilers, Pumps & Power Transmission Machinery), 109 E Lombard
Boston Iron & Metal Co. (Second-Hand Engines, Boilers, Pumps, etc), cor Pratt & Fremont av
Carey Machinery & Supply Co. (Engines, Pumps, etc, & Metal & Woodworking Machinery), 119 E Lombard
Coggins & Owens, 19 S Charles
Crook, H. E. Co. Inc. (Engines, Boilers, Pumps, etc), 28 Light
De Ved & Sons Sash Weight Co. (Second-Hand), 807 So Howard
Kemp Machinery Co., 215 N Culvert
**Kries Henry A. & Sons Co., 8 W Lombard**
Mallory Machinery Co. (Engines, Boilers, Pumps, Machine Tools, etc), 522 Light
Maryland Equipment Supply Co., Equitable bldg
**Meyer Henry H. Co. (Engines, Boilers, Pumps & Contractors' Machinery, etc), 110 S Howard**
*See adv index at end of book*
Standard Elec. & Elevator Co., Inc., 118 E Pratt
**Stebbins Wallace & Sons (Engines, Pumps, Boilers, etc), 100 S** Charles
Zies Chas. & Sons Co. (Engines, Pumps, & Butchers' Machy., etc), 320 S Fremont av
CUMBERLAND—McKaig Merwin
SALISBURY—Grier R. D. & Sons Co. (Engines, Boilers, Saw Mills, Power Transmitting Machy., etc.)

## MASSACHUSETTS.

BOSTON—Andren Karl (Power Equipment Steam & Electrical), 50 State
Beal David & Co (New & Used), 370 Atlantic av
Beal Joseph & Co. (Machsts' Tools), 465 Atlantic av
Byers & Smith, 105 Haverhill
Caddy Electrical Equipment Co. (Motors, Generators, Steam Engines, etc), 77 Washington
Coleman W. C. Co. (Specialty Rubber Mill Machy.), 161 Summer
Cutter & Wood Supply Co. (Machinists' Tools, etc), 77 Pearl
*See adv index at end of book*
Factory & Mill Supply Co. (Metal Trades Machinery), 137 Oliver
Fairbanks Co. (Machine Tools, Machinery, etc), 42 Pearl
Firth Wm. (Textile), 200 Devonshire
Fitzgerald W. H. J. & Co. (Metal Trades Machinery), 165 High
Freidus B. & Co. (Machine Tools), 453 Atlantic av
Hill, Clarke & Co., Inc. (Machine Tools, etc), 156 Oliver
Jarvis Engng. Co. (Engines, Boilers, **etc), 261 Franklin**
Lynd-Farquhar Co. (Machine Tools), 419 Atlantic av
**McLaughlin Geo. G. Mfg. Co., 24** Washington, N
Manning, Maxwell & Moore, 10 High
Moore Frank K. Co. (Woodworking), 182 High
Morton A. M. & Co. (Engines, Boilers, etc), 25 Washington
Myerson Joseph (Electrical & Transmission), 411 Atlantic av
*See adv index at end of book*
Perrin, Seamans & Co., 57 Oliver
Pratt R. W. & Son, 111 Haverhill
Prentiss Henry & Co. (New & Second-Hand Machine Tools), 49 Federal
Ridlon Frank Co. (New & Second Hand Dynamos, Motors, Engines, Pumps, etc.), 251 A
Riley C. E. Co. (Textile3, 161 Devonshire
Sampson Geo. H. Co. (Rock Drills, Air Compressors, etc), 13 Pearl
Supple Francis (2nd Hand), 330 Atlantic av
Taylor Machinery Co., 78 Batterymarch
Waldo Bros. & Bond Co., (Engines, Pumps, etc), 181 Congress
BROCKTON—Kimball Bros. & Sprague,
EAST CAMBRIDGE—Holt, Shattuck & Co. (Engines, Boilers & Woodworking Machinery, etc.), 29 Otis

FALL RIVER—Murray Jas. A. (New & Second-Hand)
GREENFIELD—Stearns Joel M. (Engines, Agricultural Implements, Milking Machines, Tractors)
LOWELL—Adams J. T. & M. J., 46 Leverett
Bartlett W. T. S. (Metal Woodworking Power Transmissions, etc)
ORANGE—Chase Turbine Mfg. Co. (Engines, Boilers, etc)
PITTSFIELD—Howard Frank (Agricultural Machinery
Robbins, Gamwell & Co. (Engines, Pumps, etc)
SPRINGFIELD—Bacon-Taplin Co. (Engines, Agricultural Implements, etc)
Ehrlich A. B. & Co. (Second Hand)
Hannon-Finton Co. (New & Second-Hand Engines, Boilers, Pumps, Machy., etc)
Russell Jno. W. & Sons Co. (New & Second Hand Engines, Shafting, Pulleys, etc)
Stacy E. S. Machine Co. (Engines, Boilers, Machinery, etc),
WORCESTER—Buxton W. A.
McMahon Bernard H. (Second Hand)

## MICHIGAN.

ALMA—Montigel J. M.
ALPENA—Kline Lewis T.
BAY CITY—Baird W. J. Machy. Co.
Meister R. & Son
DETROIT—Baird W. J. Machy. Co., 265 E Jefferson
Cadillac Tool Co., 268 Jefferson av
Dutton J. B. Machinery Co., 58 Washington blvd
English & Miller Machy. Co., Majestic bldg
Fales C. E. Machinery Co., Kerr bldg
Jefferson Iron Wks. Co., 7 Jefferson av
Kerr Machinery & Supply Co., 100 Beaubien
Mitshkun M. Co. (Engines, Boilers, Pumps, etc), 985 Dix
Riverside Machinery Depot (New & Second-Hand), 17-29 St. Aubin av
Strelinger Chas. A. Co. (Machine Tools, General Machinery & Shop Supplies), 43 E Larned
Stickley E. B. Machy Co. (New & Used Metal Working Machinery), 217 E. Congress
Wayne Scrap Iron & Metal Co., 119 Campbell
GRAND RAPIDS—McMullen Machine Co.
LANSING—Michigan Supply Co.
SAGINAW—Bartlett A. F. & Co. (New & Second Hand)
Heginbottom S. H. & Sons
Jackson & Church Co.

## MINNESOTA.

DULUTH—Duluth Machinery Co.
Boustead Elec. & Mfg. Co. (Electric), 18 E Hennepin av
MINNEAPOLIS—Harris Machinery Co. (Engines, Boilers, Pumps, Wood & Iron Working Machy), Washington & Univ. S E
Hillman Joseph (Engines, Boilers, Pumps, Saw Mill Machinery, etc)
Howell R. R. & Co., 31st av
Northern Machinery Co., 503 S 6th
Power Equipment Co. (Grain Handling etc) 212 3rd av. N
ST PAUL—Robertson J. G., 2542 University av
Robinson, Cary & Sands Co., Fourth & Wacouta
Whiteacre R. B. & Co. (Engines, Boilers, etc)

## MISSISSIPPI.

CORINTH—Adams W. T. Machine Co.
MERIDAN—General Supply & Machy Co., Hyde Chas. J.

## MISSOURI.

CLINTON—Industrial Iron Works (Engines, Pumps, Boilers, etc)
JOPLIN—Landreth Machinery Co.
United Iron Works Co. (Engines, Boilers, Pumps & Mining Machinery)
KANSAS CITY—Bonniwell-Calvin Iron Co. (Engines)
Brunner H. J. Hardware & Machine Supply Co. (Iron & Woodworking Tools), 1306 Grand
Creamery Package Mfg. Co., 931 W Eighth
English Tool & Supply Co.
Equipment Co. (Machine Tools, etc), 1531 Walnut
Great Western Mfg. Co., 1221 Union av
Haysler Iron Co. (Iron & Woodworking), 1206 Union av
Independent Electric Machinery Co., 1917 Central
Kansas City Engineering Co., Scarritt bldg.
Liggett J. W. & Son (Second Hand), 601 W 5th
Phillips Victor L (Contractors), 7th & Delaware
Revere Rubber & Supply Co., 1520 Main
Standard Machine Tool & Supply Co. 1st & Main
U. S. Water & Steam Supply Co., 1315 W 12th
ROCKVILLE—Meyer Jas. S.
U. S. Water & Steam Supply Co.
Walker W. S. (Importer)
ST. JOSEPH—Richardson Geo. O. Mach'y Co.
ST. LOUIS—Barry-Wehmiller Machinery Co., 4660 Florissant
Blackman Machine Tool Co. (Metal Working Machinery of All Kinds, Cranes, etc), 1513 N B'way
Brown-McDonald Machinery Co. (Engines, Boilers, Metal & Woodworking Machinery), 2323 N 9th
Colcord-Wright Machinery & Supply Co., Machine Tool & Machinery), 1223 to 1229 N B'way
Ellison Wm. & Sons Mfg. Co.
Fisher & Davis Mfg. Co. (Engines, Boilers, Pumps, etc.), 934 N 1st
Gruendler Patent Crusher & Pulvizer Co., 928 N Main
Hall & Brown Woodworking Machine Co. (Woodworking Machinery), 1929-33 N B'way
*See adv index at end of book*
Hirsch Cal. & Sons Mercantile Co., 300 S B'way
Johnson Wm. C. Sons Mach. Co.
Manning, Maxwell & Moore (All Kinds), Railway Exchange bldg
P.-K. Engineers, 1906 Pine
Ramming John Machine Co., 300 S. Main
Reeves & Skinner Machinery Co., 2211 Olive
Rumsey L. M. Mfg. Co. (Engines, Pumps, Machine Tools, etc.), 4372 Westminster
St. Louis Belting & Supply Co., 509 S 4th
Sligo Iron Store Co. (Woodworking), 6th & O'Fallon
Teuscher & Son, Machy. Supply Co. (Second Hand Power Transmitting), 527 N 2nd
Wilson H. R. Mach'y Co. (Second-Hand), Federal Reserve Bk. bldg
Zelnicker Walter A. Supply Co. (Second Hand Saw Mills, Engines, Boilers, Cranes, Power Plant & Contr. Equip., Locomotives, etc.), 325 Locust
*See adv index at end of book*
SEDALIA—Barley Thomas K.

## MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BILLINGS—Connelly F. B. Co., 423 North Broadway
BUTTE—Anaconda Copper Mining Co.
Montana Hardware Co.
HELENA—Holter A. M. Hardware Co.
KALISPELL—Kalispell Mercantile Co. (Pumps, Boilers, etc.)

## NEBRASKA.

OMAHA—American Supply & Machy. Co. (Elevating, Conveying & Power Transmitting Machy.)
Sunderland Machinery & Supply Co.
U. S. Supply Co.

## NEW HAMPSHIRE.

LANCASTER—Thompson Mfg. Co.

## NEW JERSEY.

BAYONNE—Hudson Iron & Metal Co. (Second Hand), ft. E 22d
HOBOKEN—Tiffany Hall & Co., Inc. (Second-Hand Electrical), 7th & Adams
JERSEY CITY—Bertolette Mach. Tool Co. (New & Second-Hand), 220-228 Orient av
Industrial Machinery Corp. (New & Second-Hand), 147 Provost
Power Machinery Exchange, Inc. (Second Hand), 1 Montgomery
Wickes Machinery Co. (Dynamos & Motors, Engines, Boilers, Pumps, etc.)
NEWARK—Brown-Hunkel Corp. (Second-Hand Elec. Motors), 12 Mechanic
Consolidated Machy. Exchange (Second-Hand), 201 Mulberry
Davis Mach. & Motor Co., Inc., (Second-Hand Motors), 59 Mechanic
Machinery & Equipment Co., Inc. (Second-Hand Chemical), 225 Sherman av
Millington & Bradshaw (New & Second Hand Engines & Machinery), 69 N J RR av
Morris Machy. Co., 95 Chestnut
New Jersey Machinery Exchange, 21 Mechanic
ROE & CONOVER, 206 Frelinghuysen av *See adv index at end of book*
Skinner & Leary Co. (Engines, Gearing, etc), 19 Com'l
WALSH'S SONS & CO., INC. (Engines, Boilers, Pumps, etc)
*See adv index at end of book*
NEW BRUNSWICK—Simplex Automobile Co.
Tidey M. B. (Woodworking Machinery, etc.) 80 Warren
PATERSON—Van Winkle J. A. Co., 395-405 Passaic (Engines, Boilers, etc.)
PHILLIPSBURG— Gibney Iron & Steel Co. (Second-Hand Boilers, Engines Pumps, etc.)
TRENTON—Ivens Wm. H. Sons Co. (Engines, Boilers, etc, New & Second Hand), P. O. Box 647
Manufacturers Selling Co. (Second-Hand Electric Motors, Engines, Pumps, etc)

## NEW YORK.

ALBANY—Nicholson Aaron
Simmons Machine Co., Inc., 987 B'way
BINGHAMTON—Gaylord & Eltapence Co. (Engines, Boilers, etc.)
Shapley & Wells
BROOKLYN—See New York City, (Borough of Brooklyn)
BUFFALO—Beals, McCarthy & Rogers (Grinders, Shears, Punches, Welding Outfits, Annealing Furnaces, etc.), 44 Terrace
Day Machy. Co.
Fairbanks Co., 108 Pearl
Hirschman W. F. Inc. (Bakery, Chemical, Paint, Ventilating, Elevating & Conveying, etc), 90-92 Main
*See adv index at end of book*
Lenahan Frank & Son, 53 Fulton
Osgood Tool Co. J. E.
Osgood J. L. Tool Co.
Prentiss Henry & Co. (New & Second-Hand Machine Tools), Morgan bldg
Root Neal & Co. (New & Second Hand Pumps, Compressors, Machinery, Conveying, Elevating & Power Transmitting Appliances), 178 Main
Strong Homer, Ellicott sq
Ullman, Jacob, 84 Oneida
Whitman Machine Co., 178 Ohio
CORTLAND—McKee J. L. Supply Co.
KINGSTON—Lawton Wm.
MIDDLETOWN—Coleman Galen (Engines Boilers, Mill & General Machinery, etc.)

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Briggs Marvin Co., 167 6th
Brown Jas. H. (And Second-Hand Machinery), 139 Third av
Houchin-Aiken Co., 113 53d
Kasper & Koetzle Hardware Co., Inc., 565 Bushwick av
Saladin Louis, 1241 DeKalb av
Thompson-Bonney Co. (Elect), 18 Henry

### Boroughs of Manhattan and Bronx.

NEW YORK—Adams Geo. J., 39 South
Affleck Geo. E. (Iron & Brass Working Machy.), 136 Liberty
American Machinery Exchange, 217 Centre
Archer & Baldwin (Electrical, etc), 114 Liberty

NEW YORK—New York—Continued

Bacon Earle C., Inc. (Rock Crushers), Hoisting & Mining Machinery, 26 Cortlandt
Barbour Love & Woodward, 149 B'way
Becker & Co., Ltd. (Export), 90 West
Beggs Jas. & Co. (Engines, Boilers, Pumps, Tools & Supplies), 30 Warren *See adv index at end of book*
Bender Geo. (Second Hand Electric), 128 Center
Bennett, F. A., 30 Church
Bennett, G. L., Machy. Co., 30 Church
Borne Chas. A. Co. (Electric), 37 Wooster
Bowman Walker, 39 Cortlandt
Brearley H. P. (Second Hand), 90 West, New York
Brum Kimball Co. (Marine Engines), 155 W 15th
Buchanan C. G. Co., 90 West
Calleson C. A., 50 Church
Church St. Machy. & Eng. Corp. (Exporters), 30 Church.
Clark W. Co., 149 B'way
Coats Mach. Tool Co., Inc. (Export), 110 W. 40th
Colman Machy. & Tool Co., 38 Park row
Consolidated Machy. & Wrecking Co. (Second-Hand), 140 Nassau
Consolidated Products Co. (Second-Hand), 15-21 Park row
Curtiss-Willis Co. (New & Second-Hand), 30 Church
Dale-Brewster Machy. Co., Inc., 54 Lafayette
Daniels Arthur Co. (New & Second-Hand), 13 Park row
Davis Wm. F. Mach. Tool Co., Inc., 85 Liberty
Deeley Robt. & Co. (Sugar Machinery) 29 B'way
Donegan & Swift (Engines, Boilers, Pumps, Blowers, etc), 6 Murray
Dooley-Killian Co., Inc. (Second-Hand), 26 Cortandt
Dunkle Arthur J. & Co., 50 Church
Eagle Machinery Co. (Metal Working), Centre & Walker
Fairbanks Co., 416 Broome
Freidus M. (Second-hand), 210 Centre
Frevert Machinery Co. (New & Second-Hand), 38 Vesey
Garrett W. D. & Co. (Machine Tools & Woodworking Machinery, etc), 126 Liberty
Gaston, Williams & Wigmore, 39 B'way
Gelb J. & Co. (Second-Hand), 203 Centre
Glander & Co. Inc. (Second Hand), 115 B'way
**GODFREY-KEELER CO.** (Engines, Boilers, Pumps, Blowers, etc), 70 Warren *See adv index at end of book*
Goss Geo. F. Machy. & Supplies Co. (New & Second-Hand), 30 Church
Granger A. D. Co. (Engines, etc), 15 Park Row
Graves Machy. Exchange, (Second-Hand), 50 Church
Harper Machinery Co. (Engines, Boilers, Pumps, etc), 50 Church
Hill, Clarke & Co., 136 Cedar
Holcomb D. S. & Co. (Electric), 243 Canal
Hollander Machinery Co., Inc. (Second-Hand), 3 Howard
Howland F. L., 90 West
Hubbard-Floyd Co., Inc. (Second-Hand), 90 West
Humbert J. S. (Pumping, etc), 114 Liberty
Inter-Continental Machinery Corp., 165 B'way
International Engineering Works, 15 Park Row
Kalb Adam, 162 Grand
Kaufman Machinery Co. (Second-Hand), 89 Center
Kelley E. B. Co. (Concrete), Grand Central bldg
Klein Nathan & Co. (Dynamo & Motors), 208 Center
Leaf E. B. Co., 50 Church.
Lebedjeff V. V. Eng. & Sup. Co., 227 Fulton
Lamberg A. & Co. (Second-Hand), 243 Centre
Leonard & McCoy (Engines, Boilers, Pumps, etc), 161 Washington
Linder H. J. (Electric, etc), 50 Church
Litho Stone & Machinery Co., 494 Broome
Ludeman Edwin H. (Power Plant Equipment, Engines & Boilers), 165 B'way
MacCabe J. J. Lath & Machinery Corp. Machine Tools), 149 Broadway
MacGovern & Co., Inc. (Electric, Steam, etc.), 114 Liberty
Machine Tool Engineering Co., 149 Broadway
Machinery Utilities Co. (Chemicals), 501 Fifth av
MacNab John Machinery Co. (Export), 90 West
Macwatty D. & Co. (Engines, Boilers Pumps, etc), 103 Chambers
Manhattan Machinery Exchange (Second-Hand), 30 Church
Manning, Maxwell & Moore (All Kinds), 119 W 40th
Master Mach. Wks., 110 W 40th
Meier J. J. Machinery Co. (Metal, Stone & Woodworking), 3412 & 3414 Woolworth bldg *See adv index at end of book*
Midgley & Prentice, Inc. (Second-Hand), 30 Church
Miller J. D., 39 Cortlandt
Miller Thos. C. (Motors, Dynamos, Fans), 78 Bible House
Mine & Smelter Supply Co., 42 B'way
Mitchell-Tappen Co., 15-17 John
Modern Machinery Exchange (Second-Hand), 52 Walker
Montgomery & Co. (Machinery & Tools), 105 Fulton
Moore Chas. C. & Co. (Pumps, Mining & Mill Machinery), 50 Church
Morey & Co., Inc., 410 Broome
Mullen T. J. (Second Hand), 30 Church
New York Machinery Exchange (Engines, Boilers, Pumps, Machinery & Iron Works, Tools, etc), 50 Church
Niles F. H. & Co. Inc., 233 B'way
Olney & Warrin (Machinery, Tools & Supplies), 301 Lafayette
Patterson, Gottfried & Hunter (Machinery & Tools, etc), 149 Lafayette
Parmele, Chas. L., 50 Church
Pels W. Y. & Co., 90 West
Pinner R. A. (Engines & Boilers, Metal & Wood Working Machy., etc), 122 Water
Pipe & Contractors Supply Co. (Second-Hand), 3 Dover
Prentiss Henry & Co., Inc. (New & Second-Hand Machine Tools), 149 B'way
Prichard C. W. Co. Inc.
Railway & Power Equipment Co. (Second Hand), 233 B'way
Rich & McLean (Printers Second-Hand), 73 Beekman
Richards & Hirschfeld Inc., 50 Church
Roberts Geo. I. & Bros., 471 4th av.
Salzberg H. E. Co., Inc. (Second-Hand Electric), 30 Church
Schoonmaker, A. G. & Sons (New & Second Hand), 25 Church
Schramm Chris. D. & Son Inc., 140 West
Smith T. & Son (Second-Hand), 75 Pike Slip
Steib & Duttweiler, Inc. (Brush-making, etc), 79 Wall
Sullivan Jno. W. Co. (Engines), 827 E 9th
Terminal Machine Co., 404 Broome
Tracy Frank (Power Transmission), 202 Centre
Vandyck, Churchill Co., 85 Liberty
Westberg C. H. & Co., Inc., 9 W B'way
Williams John D. & Co. (export), 2 Rector
Worthington Pump & Machy Corp., 115 B'way *See adv index at end of book*
Young Corley & Dolan, Inc., 30 W Broadway

**(End of New York City)**

PEEKSKILL—Naylor Bros.
ROCHESTER—Belting & Machinery Co.
Ingle Machine Co., 371 St. Paul
Strong Homer
SYRACUSE—Barnes & Irving, Inc.
Hurwitz Bros. Iron & Metal Co. (Second Hand)
Smith H. A. Machinery Co., 501 E Water
Strong Homer
Syracuse Supply Co.
Wood C. H. Co.
TROY—Cady A. J. (Textile)
Interstate Machinery Co. (Engines, Boilers, Cranes & Iron Working Machy, etc.)
Mill Supply Co.
UTICA—Rowlingson, D. E. (New & Second Hand)

## NORTH CAROLINA.

CHARLOTTE—Alexander & Garsed
Charlotte Supply Co. (Engines, Boilers, Cotton Mill Machinery, etc)
Liddell Co.
Mecklenburg Iron Works
DUNN—McKay Jno. A. Mfg. Co.
GOLDSBORO—Dewey Bros.
NEWBERN—Hyman Supply Co.
RALEIGH—Raleigh Iron Works Co. (Engines, Boilers & Power Plant Installation a Specialty)
STATESVILLE—Turner C. H.
WILMINGTON—Wilmington Iron Works (Fertilizer Machinery, Fish Factory Machinery, Special Machinery & Specifications) *See adv index at end of book*
WINSTON SALEM—Crawford Mill Supply Co. (Boilers & Engines)
Kester Machinery Co.

## OHIO.

AKRON—American Scrap Iron Co. (Second-Hand Engines, Boilers, Pumps, etc)
Mill & Mine Supply Co.
CANTON—Canton Engineering & Electric Co. (Engines, Boilers, Metal Working Machinery, etc)
Yohe Wm. S. Supply Co.
CINCINNATI—Barnes Chas. Co., 55 Main
C. & D. Machinery Exchange
Cincinnati Iron & Steel Co.
Cincinnati Machinery Exchange (Second-Hand), 324 E 2nd
Doermann-Roehrer Co., 318 E 3d
Economy Machinery Co. (J. H. Flynn, Prop.) (New & Second-Hand Iron & Woodworking Machinery & Power Equipments of all kinds), 428 E Pearl
Johnston Wm. T. Co. (Machine Tools, Engines, Pumps, Blowers, etc), 3rd & Vine
Kinsey E. A. Co. (Metal Working Machinery, etc), 331 W 4th
Motch & Merryweather Machy. Co. (Machine Tools, etc), 1st Natl. Bank bldg
**NORTON BROADWAY MACHINERY CO.** (Second-Hand & Rebuilt), 3rd & Broadway
Queen City Supply Co. (Machine Tools & Machinery), Pearl & Elm
Randle Machinery Co. (All Kinds of New & Second-Hand Re-Built Machinery), C. H. & D. Ry. & Powers Cumville
Stewart Paul & Co. (Boilers, Engines, Generators, Turbines, etc), 1st Nat. Bank bldg
Wirthlin-Mann Co., 329 W 3d
CLEVELAND—Bath Cyril J. & Co.
Biggs-Watterson Co., Cleveland, O.
Central Machy & Supply Co.
Cleveland Belting & Machine Co. (New & Second-Hand), 1510 University rd
Cleveland & Erie Machy Co.
Cullen C. W. Machy Co.
Dravo-Doyle Co., Citizens bldg
Fuerst-Friedman Co., 1251 W 9th
**HAYES EQUIPMENT CO.,** Engineers bldg
Kirk Supply Co., 422 Frankfort av
Manning, Maxwell & Moore (All Kinds), 518 Leader News
Motch & Merryweather Machinery Co. (Machine Tools, Second Hand Machy., etc), 711 Lakeside av, N W
National Power Machinery Co. (Second-Hand Engines, Boiler & Electrical Machinery, etc), 1914 Scranton rd
Osborne D. M. Machy Co.
Pattison W. M. Supply Co. (Engines, Boilers, etc), 777 Rockwell av
Republic Tool & Mfg. Co., 1401 W 9th
Strong, Carlisle & Hammond Co. (Machine Tools, Engines, etc), 336-344 Frankfort av, N W.
White Tool & Supply Co., 1313 W 6th
Worthington Geo. Co., 802-832 St. Clair av N. W.

COLUMBUS—Eaton Machine Works (Engines Boilers & Machinery), 37 S Scioto
Kilbourne M. & Co. (Machinery & Mfrs. Agents), 24 W Mound
Osborne & Sexton Machinery Co. (Machine Tools, & Time Clocks, Machinery)
Sackett Mine Supply Co. (Mining Machinery, etc), 164 N 3rd.
Shartle Machine Co.
Williams W. W. Co. (Contractors), Brunson bldg
DAYTON—**Patterson Tool & Supply Co.** (Machine Tools & Machinery of All Kinds)
EAST LIVERPOOL—**National Products Co.** (Second-Hand Dealers)
ELYRIA—Elyria Belting & Machinery Co. (Second-Hand)
SAINT MARYS—**Jasperson Supply Co.** (Engines, Boilers & Transmission Machinery, etc)
SPRINGFIELD—Casey D. L. Machine Co.
Lane T. J. Equipment Co.
TOLEDO—Arbuckle-Ryan Co. (Agricultural)
Banting Machine Co. (Boilers, Pumps, etc)
Coghlin Machinery & Supply Co. Metal Working Machinery & Pumps)
National Supply Co.
Power Equipment Co. (Steam Power Plant Apparatus)
URBANA—Marvin Mfg. Co., W. B.

## OKLAHOMA.

BARTLESVILLE—**Frick-Reid Supply Co.** (New & Second Hand)
NOWATA—**National Supply Co. (of Kansas)**
OKLAHOMA—**Sherman N. S. Machinery & Iron Works**
TULSA—**National Supply Co. of (Kansas)**

## OREGON.

PORTLAND—Barde M. & Sons
**Bell & Wildman, 619 Upshur**
Caldwell J. D. Co. (Road Building Machinery), Oregonian bldg
Clyde Equipment Co., 18th & Upshur
Dayton Hdw. & Machinery Co., 1st & Taylor
Eccles & Smith Co. (Machine Shop Tools, Air Compressors, Pneumatic Tools, etc), 46-48 Front
Gauld Supply Co. (Engines, Pumps, etc), 69-75 N 12th
Mitchell-Lewis & Staver Co., B'way & Everett
Moore Chas. C. & Co. (Pumps, Mining & Mill Machinery), Spalding bldg
**Portland Iron Works, 14th & Northrup**
**Portland Machinery Co., 62-66½ 1st**
Road Builders Equipment Co., 354 Belmont av
Western Supply Co. (Flour & Saw Mill Machinery), 61 First
Western Farquhar Machinery Co.
Zimmerman-Wells-Brown Co. (Engines, Boilers, Pumps, Mach'y, etc), 16th & Thurman

## PENNSYLVANIA.

ALLENTOWN—Grammes L. F. & Sons (Engines & Power Transmitting Appliances, etc)
*See adv index at end of book*
Taylor Wm. H. & Co. (Engines, Boilers, Pumps, etc)
BEAVER FALLS—Pettler P. & Son
BIRDSBORO—Birdsboro Steel Fdry & Mach. Co.
BRADFORD—Bovaird & Seyfang Mfg. Co.
CHESTER—Birtwell H. B.
Wetherhill, Robert & Co., Inc.
EASTON—Easton Machinery Co.
Saxer-Creider Machy. Co.
ERIE—Steiner Mfg. Works (Second-Hand)
HAZLETON—Hazleton Machy. & Supply Co.
HOLLIDAYSBURG — McLanahan - Stone Mach. Co.
LATROBE—Saxman P. H.
LEBANON—Lebanon Engineering & Supply Co. (Second-Hand)
NEW CASTLE—Douds Frank C. & Co.
OIL CITY—Logan Robert (Engines, Boilers & Machinery)
PHILADELPHIA—**Baily R. M. & Co. (Locomotive Cranes, Steam Shovels, Hoisting, Engines, Boiler Making, Ship Building, Structural Work, Machinery, etc), Commercial Trust bldg**
Birtwell, W. L.
**Burchfield T. T. Co. (Engines, Boilers, Pumps, etc.), 54 N 6th**
**Campbell T. J., 974 Beach**
Conard Thos. P. (New & Second Hand), Harrison bldg
Dallett & Co. (Locomotives, Steam **Shovels, etc), Harrison bldg**
Dravo-Doyle Co. (Commercial Trust bldg
Earle Gear & Mach. Co., 101 E Wyoming
Eastern Machy. & Equip. Co., Commercial Trust bldg
Eckbold's Wm. Sons, **Aramingo & Girard av**
**Fairbanks Co., 701 Arch**
Francis Bros. & Jellett, Real Estate **Trust bldg**
Girard Machine & Tool Co. (Machine **Tools), 491 N 3d**
Haddock Chas., 343 N 3d
Hitner's Henry A. Sons Co., Gaul & Hazzard
**Hunt M. J., 1316 Beach**
**Industrial Requirements Co. (Machine Tools & Equipment), 136 Chestnut**
Kensington Iron & Metal Co., 1011 E Susquehanna av
Lamb J. K. (Textile Machinery Co.), **246 Chestnut**
**Latimer R. L. & Co. (Engines Boilers, Pumps, etc.), 24 N Front**
**Lovegrove & Co.** (Engines, Boilers, Machinery & Machine Tools), 1524 Chestnut
Manning, Maxwell & Moore (All **Kinds), Lincoln bldg**
Nemiromsky S. & Son, 136 N 3rd
Newton Mach. Tool Wks., Inc., 23rd & Vine
**Nuttall Jno., Montgomery & 5th**
O'Brien Machinery Co., 119 N 3d
Power Equip. Co., 1218 Chestnut
Provident Engng. Co., Commercial Trust bldg
Randall R. T. & Co. (Butchers' Machinery & Supplies), **333 N 2d**
**Rich J. & G., 120 N 6th**
Sachsenmaier Geo. & Co., **145 N 3rd**
Schramm Chris. D. & Son, 709 Arch
Seyfert's L. F. Sons, Inc. (New & Second-Hand Air Compressors, Engines, Boilers, Electrical, Iron & Woodworking), 437 N 3d
**SHERRITT & STOER CO., INC.** (Machine Tools), 2006 Market st
**Shipley W. E. Machinery Co. (Machine Tools), 1421 Chestnut**
Sterling Iron & Steel Co., 463 N 10th
Swind Machy Co., Widener Bldg.
Toomey Frank (Engines, Pumps & **Machinery), 127 N 3d**
**Watt's Jno. M. Sons, 54 N 2nd**
Winterer Herman L. (Engines, Boilers, Compressors, etc), 953 Front
Yearsley Thos. Co. (Electric, etc), **224 N 3d**
PITTSBURGH—Baird Machinery Co.
Briggs Machinery Co., 238 2d av
Brown & Zortman Machinery Co. (Machine Tools, etc), Union Arcade
Burson H. W. Inc. (All Kinds of Iron & Woodworking Machines), 123 Water
Carlin John H. Machine Co. (Contractors' Machinery, etc).
Dravo-Doyle Co., Diamond Bank bldg
Everson T. Bissell, Granite bldg
Frick & Lindsay Co. (Engines, Boilers, Pumps, Dealers), Sandusky & Robinson
*See adv index at end of book*
Frick-Reid Supply Co. (New & Second Hand), Sandusky & Robinson
Garrity Ralph E. Co. (Electric), Wasbash bldg
**GREEN L. A., First Nat'l Bank bldg**
Hay's Samuel W. Sons, Phipps Power bldg
Kirk Supply Co. (Hoisting Engines), Pulverizing Machinery, Concrete Mixers, etc), Farmers Bank bldg
**KLEINHANS H. CO.** (Contractors), Union Arcade
*See adv index at end of book*
McCoy-Brandt Machy. Co., 210-214 Penn av
Manning, Maxwell & Moore (All Kinds), Park bldg
Moore Edgar M. & Co. (new & second-hand motors, generators, engines, tanks, etc), Farmers Bank bldg
Motch & Merryweather Machinery Co., Farmers Bank bldg
**Oil Well Supply Co., 215 Water**
**Pittsburgh Scrap Iron Co., S 20th & Wharton**
Pittsburgh Machy. Exchange, Keystone bldg
Rees Jas. & Sons Co., 18 4th
**RELIANCE MACHINERY SALES CO.** Brigham rd & Pennsylvania av
Renton Wm., 101 Water
Russell Machine Co., 28th & A. V. R. R.
Schlelein F. P. Machinery Co. (Machine **Tools, etc), 32 W Parkway, N S**
Somers, Fitler & Todd Co. (Engines, **Boilers, Pumps & Machinery), 325 Water**
Thompson Machinery Co., Union Arcade
Tranter Mfg. Co. (Engines, New & Second Hand Pumps, etc), 105 Water
Zortman W. S. Machinery Co. (Iron & Woodworking), Arrott bldg
POTTSTOWN — **POLLOCK MAYER** (Second-Hand Machinery & Boilers)
SCRANTON—**Bittenbender Co.**
Derry A. L. & Co. (Engines, Boilers, **etc)**
Scott Chas. B. Co.
Scranton Supply & Machinery Co. **(Engines, Pumps & Machinery)**
**SMITHS FERRY—Childs Jno., Sr. (Oil & Gas Well, etc.)**
SWISSVALE—Union Switch & Signal Co.
TUNKHANNOCK—Billings Paul & Sons
WEST CHESTER—Schramm Chris D. & Son, Inc.
**WILKES-BARRE—Eastern Penna. Supply Co. (Engines, Pumps & Machinery)**
**Huntington Machinery & Supply Co. (Electric, etc)**
WILLIAMSPORT—Moltz Jacob J. (Engines, Boilers, etc)
YORK—Duff William E. Co.

## RHODE ISLAND.

PROVIDENCE—Atherton Jesse, 24 Calender
B. & H. Supply Co. (Machinists' Tools), 115 Mathewson
Brownell Machinery Co., (New & Used Machine Tools), 11 Eddy

## SOUTH CAROLINA.

ANDERSON—Anderson Machine & Fdry Co.
**CHARLESTON — Bailey-Lebby Co. (Engines, Pumps & Machinery, New)**
Cameron & Barkley Co. (Engines, Pumps & Machinery)
Charleston Dry Dock & Machine Co. (Engines, Boilers, Pumps, etc)
**Riverside Iron Works**
**COLUMBIA—Gibbes Machinery Co. (Engines, Boilers, Saw Mill, etc)**
GREENVILLE—Southeastern Farm Implement Co.

## TENNESSEE.

CHATTANOOGA—James Supply Co.
Walsh & Weidner Boiler Co.
**JACKSON—Gooch-Edenton Hardware Co.** (Gas Engines & Saw Mill Machinery)
Southern Engine & Boiler Mfg. Co. **(Engines, Boilers & Saw Mill Machinery)**
KNOXVILLE—Duncan John G. Co. (New & Second-Hand)
Gillespie E. W. (Engines, Boilers, etc.)
McClung C. M. & Co. (Boilers, Engines, Pumps, etc)
Savage W. J. Co. (Engines, Boilers, etc.)
Tenn. Mill & Mine Supply Co. (Engines, Boilers, etc.)
MEMPHIS—Chicksaw Machine & Foundry Co.
Pidgeon-Thomas Iron Co. (Gas Engines, Saw Mill Machinery, etc)

MACHINERY DEALERS

TENNESSEE—Memphis—Continued

Riechman-Crosby Co. (Boilers, Engines & Saw Mill Machinery)
NASHVILLE—Dale Jno. P. Machinery Co. (Engines, Boilers, Wood & Iron Working Machinery)
Keith, Simmons & Co. (Engines, Boil- General Machinery), etc)
Nashville Machine Co.
Stewart & Bruckner Co.

### TEXAS.

BEAUMONT—National Supply Co. (of Texas)
Wilson E. L. Hardware Co.
CORPUS CHRISTI—Caldwell E. H. & Son (Agricultural Machinery, Windmills, etc)
CUERO—Runge H. & Co.
DALLAS—Briggs-Weaver Machinery Co.
Mosher Mfg. Co.
EL PASO—Mine & Smelter Supply Co.
FORT WORTH—Axtell Co. (Wind Mills, Tanks, etc)
Southern Trading Co.
Texas Mfg. Co.
Van Zandt Iron Works (Engine, Boilers, Pumps, Dynamos, Motors, etc)
HOUSTON—Barden Electric & Machinery Co.
Heitmann F. W. Co. (Machinery & Supplies)
Houston Car Wheel & Machine Co. (Dredge, Oil Mill, Sawmill & Compress Machy., etc)
Paine H. A. (Pumping & Saw Mill Machy., etc)
LUFKIN—Lufkin Foundry & Machine Co. (Boilers & Engines)
MERCEDES—Rio Grande Hardware & Machinery Co.
PARIS—Dulaney W. F. & Sons
SAN ANTONIO—San Antonio Machine & Supply Co.
TYLER—Connally Walter & Co.

### UTAH.

SALT LAKE CITY—Cramer-Kay Machinery Co., Newhouse bldg
Diebold Elec. Co.
Galigher Machinery Co.
Green Machinery & Mfg. Co.
Mine & Smelter Supply Co.
Moore Chas. C. & Co. (Pumps, Mining & Mill Machinery)
Richmond F. C. Machinery Co. (Mine, Mill & Contractors' Machinery)
Salt Lake Hardware Co.
Trent Engineering & Machinery Co.

### VERMONT.

BENNINGTON—Scott Olin (Est. of)
ST. JOHNSBURY—Hooker O. T. & Sons, Perkins

### VIRGINIA.

NORFOLK—Atlantic Supply Co., Inc. (Boilers, Steam Engines, Pumps, etc)
Empire Mach. & Supply Corp.
Southern Supply Co.
Taylor-Parker Co.
Tidewater Supply Co. Inc.
Walke Henry Co.
Westbrook Jno. D. Inc.
Whaley W. M. & Co.
PETERSBURG — Stockdell Myers Hardware Co.
Stratton & Braag Co. (Engines, Boilers, Pumps, etc)
*See adv index at end of book*
RICHMOND—Bluford I. & Co. (New & Rebuilt Machinery Boilers & Engines), 501 N 15th
Cosby Clarence (Second-Hand).
Lindsay J. L. (Inc.), 1321 E Main
McGraw Jas. Inc. (New), 1442 E Main
Morrison Co. (All Kinds), Mayo's Isle
Smith-Courtney Co. (Engines, Boilers, Machine Tools, etc)
Sydnor Pump & Well Co. (Engines, Pumps & Saw Mill Machinery), 1310 E Main
Virginia Machinery & Well Co., 1319 E Main

### WASHINGTON.

BELLINGHAM—Whatcom Machinery Depot
CENTRALIA—Gillam H. C.
HOQUIAM—Lamb Machine Co.
OMAK—George Claude Co. (Gasoline Engines & Machinery)
SEATTLE—Adair Geo. B. & Son Co. (Engines, Dynamos, Motors, etc), 813 Western
Cox A. H. & Co. (Electric), 307 1st av So.
Hallidie Machinery Co. (Mining & Mill Machinery), Smith bldg
Helsby & Corbet, Smith bldg
Higgins Machy. Co., 341 1st av S.
Hoflus Steel & Equipment Co. (Locomotives, Steam Shovels, etc)
Meese & Gottfried Co. (Power Transmitting, etc), 558 1st av S
Moore Chas. C. & Co. (Pumps, Mining & Mill Machy.), Smith bldg
Perine Machinery Co.
Puget Sound Machinery Depot (Saw & Shingle Mill Machinery, etc), 318 1st av S
Star Machinery Co. (All Kinds), 1731 1st av S
Worden W. H. Co., 528 1st av S.
SPOKANE—Barnard Mfg. Co. (Engines, Boilers, etc)
Hallidie Company (Engineers & Contractors for Complete Plants & Equipment)
*See adv index at end of book*
Mitchell, Lewis & Staver Co.
Pacific Iron Works (Saw Mills Engines, Boilers, Pumps, Power & Transmitting Machinery, etc)
Union Iron Works (Inc.) (Mining Machinery, Engines, etc)
United Supply Co.
Washington Machinery & Supply Co.
TACOMA—Puget Sound Iron & Steel Works
Sterling Machy. Co.
Thomas-Hammond Machine Co.
Washington Machinery Depot

### WEST VIRGINIA.

BLUEFIELD—Superior Supply Co.
CHARLESTON—Capitol City Supply Co.
South Side Foundry & Machine Works
CLARKSBURG—Osborn's J. F. Sons
HUNTINGTON—Banks Supply Co.
Lambert H. T. Co. (New & Second Hand)
Miller Supply Co.
PARKERSBURG—Spence H. M. (Second-Hand Boilers), Engines, etc
WESTON—Danser Mfg. & Supply Co.
WHEELING—Hills Chas. L.

### WISCONSIN.

ASHLAND—Bretting C. G. Mfg. Co. (Mill Machinery, etc)
GREEN BAY—Hartman-Greiling Co.
JANESVILLE—Ambrose F. O. (Engines, Pumps, etc)
MILWAUKEE—American Machinery Co. (Power Transmitting & Conveying Machinery, etc), 103 W Water
Badger-Packard Machinery Co. (New & Second-Hand), 133 W Water
Federal Machinery Sales Co., 212 Sycamore
Hide & Leather Working Mach. Co. (Hide & Leather Working Machinery, etc), 4215 Meinecke av
Mertes Machinery Co. (New & Second Hand Machine Tools, Boilers, Pumps, Engines, Hoisting Engines, Brick Machinery, etc), 240 Oregon
Smith T. L. Co. (Concrete Mixers & Elevators, Grey Iron Castings, Dirt and Sand Excavators and Loaders), 1151 32d
Walsh M. J. Machinery Co., 141 Sycamore
PINE RIVER—Kimball A. M. & Son
RACINE—Badger-Packard Machinery Co.
Racine Confectioners Machinery Co.
WAUSAU—Murray D. J. Mfg. Co.

## 9501a— Machinery from Special Design

FULTON IRON WORKS Co., St. Louis, Mo.
*See adv index at end of book*

See also Machinery Dealers

## 9501b—Machinery (Second Hand)

See also Machinery Dealers

Beal Jos. & Co., 23 Purchase, Boston, Mass.
DUQUESNE ELECTRIC & MFG. CO., Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*

Green L. A., First National Bank bldg, Pittsburgh, Pa.
Miller Owen Electric Co., Lexington av & Thomas blvd, Pittsburgh, Pa.
Moore Bros. 39 S La Salle, Chicago, Ill.
*See adv index at end of book*
Myerson Joseph (Electrical & Transmission), 411 Atlantic av, Boston, Mass.
*See adv index at end of book*
Prentiss Henry & Co., Inc. (Formerly Prentiss Tool & Supply Co.), 149 B'way, New York
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.

## 9502—Machinists & Founders

**Star (*) indicates Machinists.**
**Dagger (†) indicates Founders.**
**Star & Dagger (*†) indicates Machinists & Founders.**
**Section Mark (§) indicates Brass and Composition Founders.**

**All Manufacturers of Machinery, Castings, etc., who have a machine shop or foundry are classified under this heading and sub-classified in other parts of the book under the specific article they produce, such as:**

Agricultural Implement Manufacturers.
Brick Machinery, Etc.
Cars, Various Kinds.
Cast Iron Pipe, Various Kinds.
Castings, Various Kinds.
Cranes, Various Kinds.
Drills, Various Kinds.
Dynamos & Motors.
Elevators.
Engines, Various Kinds.
Flour Mill Machinery.
Gears, Various Kinds.
Grinders, Various Kinds.
Hammers, Various Kinds.
Harrows, sub-classification of Agricultural Implements.
Heaters, Steam & Hot Water.
Ice & Refrigerating Machinery.
Lathes, Various Kinds.
Mining Machinery.
Paper & Pulp Mill Machinery.
Plow Manufacturers, sub-classification of Agricultural Implements.
Presses, Various Kinds.
Radiator Manufacturers.
Rolling Mill Machinery.
Saw Mill Machinery.
Special Machinery.
Steel Structural Work.
Stove Manufacturers.
Textile Machinery.
Valve Manufacturers, Various Kinds.
Wheels, Various Kinds, and hundreds of other articles

**For correlative trades not included under head of Machinists & Founders see:**

Automobile Builders.
Boilers, Tubular, Etc.
Bolt & Nut & Rivet Manufacturers.
Chains, Various Kinds.
Cutlery Manufacturers.
Forgings, Various Kinds.
Furnace Manufacturers. Hot Air, Etc.
Gas & Electric Fixture Manufacturers.
Hardware Manufacturers.
Rolling Mills & Steel Manufacturers.
Saw Manufacturers.
Screw Manufacturers.

**For all other kindred classifications consult Index of Contents:**

### ALABAMA.

ALABAMA CITY—*†§Gulf States Steel Co.
ANDALUSIA — *†Faulkenberry Fdry. & Machine Co.
*Taylor J. M.
ANNISTON—*†Alabama Pipe & Foundry Co. (Cast Iron Pipe)
*†Anniston Foundry Co.
†Calhoun Foundry Co. (Sash Weights)
*†Central Foundry Co. (See New York)
*†§Interstate Roofing & Foundry Co.
*†§Kilby Car & Foundry Co. (Logging Cars, Wheels & Axles)
†Ornamental Foundry Co. (Iron Railings, etc.)
*†Standard Foundry Co. (Cast Iron Pipe)
*†Union Foundry Co. (Cast Iron Pipe & Fittings, etc.)
*†U. S. Cast Iron Pipe & Foundry Co. Burlington, N. J.
ATTALLA—*†Attalla Foundry & Mach. Co.

National Pipe & Fdry Co. (Cast Iron Pipe Mfrs.)
BESSEMER—*†Bessemer Fdry. & Mach. Co.
Bessemer Soil Pipe Wks. (Cast Iron Soil Pipe)
*†Central Foundry Co. (See New York)
*†U. S. Cast Iron Pipe & Foundry Co. (See Burlington, N. J.)
*Superior Mfg. Co.
BIRMINGHAM—*§Ajax Metal Co. of the South
*†American Cast Iron Pipe Co. (Cast Iron Pipe Mfrs.)
†American Casting Co.
American Radiator Co.
§Anderson G. L. Brass Works
†Avondale Stove & Foundry Co.
*Beatty E. T.
*Binder Elevator & Electric Co. (General Repair Work)
*†Birmingham Machine & Foundry Co.
*Birmingham Stove & Range Co.
*†Caldwell-Watson Fdry. & Mach. Co. (Mill & Mining Machy.)
§Dixie Brass & Foundry Co. (Castings, Models, Automobile Parts, Bosh Plates, Brass Bushings, Brasses & Tuyeres)
*§Gilb V. & Son (Brass Foundry)
*†Hardie Tynes Mfg. Co. (Corliss Engines, Heavy Iron Castings, etc.)
Ingalls Iron Works Co.
Joubert & Goslin Mach. & Fdry. Co. (Sugar Machy. & Brass & Iron Castings)
Kehm A. O. Casting Co.
*Lehman Chas. T.
*Lum Geo. E.
*†Montgomery Coal Washing & Mfg. Co. (Coal Washing Machinery)
†National Cast Iron Pipe Co.
*†Republic Iron & Steel Co. (See Youngstown, O.
†Southern Welding & Reclaiming Co.
†*Southern Wheel Co.
*Steward-Hilty Machine Co.
*†Stockham Pipe & Fittings Co.
*Sullivan Machinery Co. (Mining)
*†Tennessee Coal, Iron & R. R. Co.
†Thomas Grate Bar Co.
*†U. S. Cast Iron Pipe & Foundry Co.
†Wallwork H Foundry Co. (Grate Bars, Castings, etc.)
*†American-Blakeslee Mfg. Co. (Gas & Gasoline Engines)
BOAZ—*Steele E. J.
BREWTON—*†§Brewton Iron Works
BRIDGEPORT—*De Loach Mill Mfg. Co. (Flour & Saw Mill, etc.)
CULLMAN—*†§Ehrensperger J. J.
DECATUR—*†§Jervis Foundry & Machine Co.
DOTHAN—*†§Dothan Foundry & Machine Co.
ENSLEY—Games Foundry Co.
*†§Tennessee Coal, Iron & R. R. Co. (See Birmingham, Ala.)
FLORENCE—*†§Florence Machine & Railroad Supply Co.
*†Martin Stove & Range Co.
FLOMATON—*†§Flomaton Fdry.
GADSDEN—†A. & J. Mfg. Co. (Stove)
*†Coosa Pipe & Foundry Co.
†§Gadsden Foundry Co.
*†Gadsden Pipe Co.
HARTSELLS—*†§Hartsells Machine Co.
HOLT—*†Central Foundry Co. (See New York)
HUNTSVILLE—*†§Grace C. M. & Co. (Iron & Brass Foundries)
LUVERNE—†§*Douglas Mach. Co.
MOBILE—Alabama Dry Dock & Shipbuilding Co.
*†§Henderson Shipbuilding Co. (General Steamship Repairs)
*Mobile Shipbuilding Co.
*†§Mobile Stove & Pulley Mfg. Co.
*†Ollinger Harry W.
MONTGOMERY—*Capitol City Machine Works (Repair Work)
*†§Hartley Boiler Works. (Iron & Brass Castings, Boiler Fronts, Grate Bars, etc.)
*†§Janney & Co. (Saw Mills, Grate Bars, Brass & Iron Castings, etc)
NEW DECATUR—†*Decatur Cornice & Roofing Co., Inc.
OPELIKA—*Collins Garage Machine Wks.
OZARK—*Valentine I. M. Machine Co.
PRATTVILLE — *†§Continental Gin Co. (See Birmingham)
SELMA—*†§Union Iron Works Co. (Engines, Locomotives rebuilt, etc.)
SHEFFIELD—†King Stove & Range Co.
*†§Sheffield Machine & Foundry Co.
TALLADEGA—*†§Talladega Foundry & Machine Co.
TUSCALOOSA—*†§Strickland Bros. Machine Co.
†§Tuscaloosa Iron Works (Iron Fdrs.)
TUSCUMBIA—*†Rowland T. T. & Son (Cultivators)
WOODWARD—*†§Woodward Iron Co.

## ARIZONA.

CLARKDALE—†§*United Verde Copper Co.
CLIFTON—*†§Arizona Copper Co. (Ltd.)
DOUGLAS—
GLOBE—†§*Globe Fdry & Mach. Co.
JEROME—*†§United Verde Copper Co.
NOGALES—*†§Arizona & Sonora Mfg. Co. (Mining Machinery, Castings, etc.)
*Roy & Titcomb (Gasoline Engines)
PHOENIX—*†§Arizona Iron Works
*Kunz Bros. & Messinger
*Phoenix Machine & Cold Storage Co.
PRESCOTT—*Tilton B. (Machine Shop)
TUCSON—Western Machy. Co. (Garage)

## ARKANSAS.

ALMYRA—*Almyra Machine Works
BRINKLEY—*†Brinkley Car Works & Mfg. Co.
DARDANELLE—*†§Partin W. E.
EL DORADO — *†§Eldorado Foundry & Machine Co.
FAYETTEVILLE—*Sanford & Son
FORT SMITH—†Breslin Boiler & Iron Works
†Hammer Iron Works
*†§Ketcham Iron Co. (Engines, etc.)
*†§Mehlburger & Jones
HELENA—*Allin Machine Works
HOT SPRINGS—*†§Shelton W. H. & Son
JONESBORO—*Jonesboro Machine Works
LITTLE ROCK—*†Arkansas Foundry Co.
*†Dickinson Ball Bearing Wheel & Vehicle Co. (Ball Bearing Wheels)
MORRILLTON—*†De Long Machinery Co.
*†Lachowsky A. L.
PINE BLUFF—*†Le Laurin A. A.
*†§Pine Bluff Iron Works (Iron & Brass Founders)
†§Standard Brake Shoe & Fdry Co.
RUSSELLVILLE — *†§Russellville Iron Works
SOUTH FORT SMITH—*†Western Wheelbarrow Mfg. Co. (Steel Barrows, Trucks, etc.)
STUTTGART—†§*Stuttgart Machine Co.
TEXARKANA—*De Marce Mrs. A. (Engines, Castings, etc.)
VAN BUREN—*†§Engineering Works (Industrial Cars, etc.)
*†§Morell Jas.

## CALIFORNIA.

ALAMEDA—*†§Delanoy F. W. (Plumbers' Fittings, etc.)
*†Dow Pump & Diesel Engine Co. (Pumps & Hydraulic Machinery). Office: San Francisco
BAKERSFIELD — *†§Bakersfield Iron Works
*Sprague Bros.
BERKELEY—*†Berkeley Iron Works
†Macauley H. C. Foundry Co.
*Schuyler Co. (Tools, etc.)
CHICO—*†§Diamond Match Co. (Engineering Dept.) (Castings & Machinery)
*†Mery M. L.
COALINGA—§Axelson Machine Co.
*Bowen S. R. Co. (Fishing Tools & Machine Shop)
*†§Bunting Iron Works
COLUSA—*†Maroney & Hearn
DOWNIEVILLE—*†§York C. J.
EUREKA—*Lane & Sutliff (Gas Engines, etc.)
†Vietor Wm. A.
FELTON—*Rubottom Plow Factory (Ag'l Implts.)
FRESNO—†Burnett Iron Wks.
*†Fresno Agricultural Works (Agricultural Improvements)
*Lisenby Mfg. Co. (Printing Presses)
†§Novelty Iron Wks.
*†Traves Chas. E. (Machinist & Foundry)
*†§Valley Foundry & Machine Works (Gas Engines & Pumps)
*Woodward Co. (Machinists & Agricultural Implements)
FULLERTON—Clever & Gulick
GOLETA—*Maiers G. F.
GRASS VALLEY—*†George Bros.
*†§Taylor Foundry & Engineering Co. (Vacuum Filters, Steam Engines, etc.)
LONG BEACH—†§*Cal. Shipbuilding Co.
LOS ANGELES—*Adams Campbell Co.
*†§Axelson Machine Co. (Machinists)
*†Baker Iron Works
§Bayer-Rothgeb Co. (Iron, Brass & Bronze, Sante Fe av
*Boyers & Baldwin
*Bremer W. A. (Concrete Machinery)
*Brombacher J.
†§Bruce Thos. P. (Plumbers' Goods)
*Buttress J. A. Machine Works
*California Well Tool & Machine Wks.
*Carter S. C. Co.
*Central Machine Works
*Central Machinery Mfg. Co.
*§City Ornamental Iron Works, 728 S Main
*Commercial Engine Co., 2424 Porter
§Crown Brown Brass Fdry. Co.
*Crellin Machine Co.
*East Side Machine Co.
†Eccleston Machinery Co., 162 S Anderson
*Enterprise Machine Works
*†Fernholtz Machy. Co., 2053 E 38th
*†Fruhling A. G.
*†§Fulton Engine Works (Mining, Oil Well & Saw Mill Machinery & Iron & Brass Castings, etc.)
*Gregory Wm.
†Griffen Wheel Co.
*Harrison Machine Works
§Heintzelman-Earle-Wickeren Co.
Hercules Foundry Co., Boyle & Slawson av
*Herron R. H. Co., 934 N. Almeda
*†Johnson Foundry & Machine Works
*§Jones Jas. Co. (Brass Fdrs.)
*†Keystone Iron Works (Iron, Brass and Electric Steel Castings), 37 & Santa Fe av
*Kimball Frank J. Co., Inc., 1860 E 15th
*King Machine & Mfg. Co.
†§*Layne & Bowler Corp, 900 Sante Fe av
*See adv index at end of book*
†Lilly Bros.
*†Llewellyn Iron Works (Mining Machinery, Iron & Brass, etc.)
*Los Angeles Engine Works
†Long Angeles Foundry Co. (White Iron Castings, etc.)
*Los Angeles Mfg. Co. (Pipes, Tanks, etc.)
Los Angeles Valve & Fittings Co.
§Magnis Co., Inc. (Brass & Bronze castings, etc), 860 N Main
*Maine Machine Works
Martin Iron Works
*McKain Mfg. Co., 921 Main N.
*Meese & Gottfried Co., 400 E 3rd (Pulleys, etc)
*Menczer E. A.
§* Miller Engine & Foundry Works, 2652 Long Beach av
*Miller & Herlocker
*Mills Iron Works
†Monarch Foundry Co. (Grey Iron Castings)
§*Moreland Motor Truck Co.
*§Pacific Brass & Hardware Mfg. Co. (Builders & Lavatory Hdwe.), 1646 N Spring
*Pacific Coast Mfg. Co.
*†Pacific Electric Railway Co.
Pacific Iron & Steel Co., Inc., 2637 Humbolt
*†Pacific Surgical Mfg. Co. (Surgical Instruments)
*§Parmelee Z. L. Co.
*†§Phillips Iron Works
*Pilgrim Iron Works (Rock Crushers, Power Transmission, Hoists & All Kinds of Mining Machinery)
*Pioneer Boiler & Machine Works (Machinists)
†Pittsburg Foundry Co.
*§Price-Corcoran-Pfister Co.
*Richter H. F. Machine Works
*Small W. E.
*Stearns Gas Engine Works (Engines, & Pumps)
*Sturgis S. D. Machine & Tool Works
*Svea Art Cabinet Wks., 1210 W. Washington
*Thacker F. L.
*Trinkkeller E. (Ornamental Iron)
§Union Brass Foundry
*Union Iron Works of Los Angeles (Inc.), 5125 Sante Fe av

CALIFORNIA—Los Angeles—continued
*†Union Tool Co. (Oil & Gas Well Machinery, Grey Iron Castings, Engines, etc.)
†United Casting Co.
*Vulcan Iron & Tool Works
†Washington Iron Works
*†Western Machy. Co., 900 N Main
Western Malleable Castings Co., Boyle & Slawson
*Wigmore John & Sons Co. (Machine Tools, etc), N E cor 4th & San Pedro
*Wilgus Mfg. Co. (Pumps, Governors, etc.)
*Wilson & Willard Mfg. Co. (Oil Well Tools, etc)
MADERA—*Barcroft Fred (Gang Punches)
MARYSVILLE—*Ogden J. G.
*Yuba Mfg. Co.
MONTAGUE—*McClellan A. H.
MONTEREY—*Langdon Horace
NAPA—*Lindow W. J.
NEEDLES—*Needles Machine Works
NEVADA CITY—*§Miner's Foundry & Supply Co.
†§*Miners' Fdry. & Supply Co.
NEWARK—*†§Graham James Mfg. Co. (Stoves & Ranges). (See San Francisco, Cal.
NILES—*§Ames A. T. Mfg. Co (Pumps, etc.)
OAKLAND—*American Machine Works (Rebuilt Machy.), 518 4th (Jobbing Work)
*Atlas Imperial Engine Co. (Gas Engines, etc)
*†Bay City Iron Works
*Benner Mach. Works (Machine Shop)
*†§Best C. L. Gas Traction Co. (Traction Engines)
†§Boscacei Jos.
*Continental Machine Works (Machine Shop)
*†Dalton Henry & Sons Co.
De Rome L. Bronze, Brass & Bell Fdry., Inc.
*Doak Gas Engine Co. (Gas Engines)
*†Empire Foundry Co.
†Janson Iron Works
*†§Judson Mfg. Co. (See San Francisco)
*†§Matthews F. I. (Iron & Brass Fdr. & Machinist)
†Moore Ship Building Co.
§Oakland Brass Foundry
*†§Phoenix Iron Works Co. (Iron & Brass Founders, Machine Castings, etc.)
§Pioneer Brass Foundry Co.
*†§San Francisco-Oakland Terminal Rys.
*Scoville Mfg. Co.
*§Standard Brass Casting Co. (Brass Castings, etc.)
†Standard Foundry
*Union Gas Engine Co. (Gas & Oil Engines)
*Union Machine Works (Machine Shop)
*†§United Iron Works. (Dredging, Mining & Pumping Machinery, etc.)
*§Young R. S. Supply Co. (Brass Founders)
OAK PARK—*Latourrette-Fical Co.
ONTARIO—*Bumstead F. F.
*Ontario Mfg. Co.
†§*Hotpoint Electric Heating Co.
OROVILLE—*Boston Machine Shop Co.
*Indiana Machine Shop Co.
OXNARD—*†§Dunn Mfg. Co. (Steel Castings)
PASADENA—*†Reliance Mfg. Co.
*Wingren Chas. O.
PETALUMA—*Sparks & Murphy (Repairing)
*Van Bebber Bros. (Jobbing)
PITTSBURGH—†Columbia Steel Co. (See San Francisco, Cal.)
PIXLEY—†Norviel H. Scraper Co.
PLACERVILLE—†§*Morey, F. H.
POMONA—*†§Pomona Mfg. Co.
RED BLUFF—§Diamond Match Co.
†Hammer H. H.
REDDING—*Northern Cal. Engineering Works (Malleable Iron Castings)
REDONDO BEACH—†Warner Steel Casting Co. (Electric Steel Castings) (Iron, Semi-Steel & Brass Castings, etc.)
RICHMOND—*†§Santa Fe Foundry Co. (Iron, Semi-Steel & Brass Castings, etc)
RIVERSIDE—*†§California Iron Works.
†§*Parker Machine Wks.
SACRAMENTO—*Davies John G.
*†Elliott Bros.
*†§Globe Iron Works (Mining Machy.)
†§*Pacific Gas & Elec. Co.
*†Palm Iron & Bridge Works
*†Phoenix Iron & Boiler Works
*†§Root, Neilson & Co. (Iron & Brass Founders & Machinists)
Union Iron Wks.
SALINAS—*Iverson Bros. (Machinists, etc.)
*Lacey Geo. E.
ST. HELENA—*Grant P. S.
SAN BERNARDINO—*†§Hanford Iron Works
*†§Parker Iron Works
SAN DIEGO—*†§California Iron Works (Castings, Machine & Structural Iron & Steel Works, also Pattern Makers)
*Campbell Machine Co. (Marine Repair Work)
†§City Ornamental Iron Wire & Brass Works
†Ingle Mfg. Co. (Stoves, etc.)
†McCoy Thos. & Sons
*§San Diego Machine Co.
*†§Standard Iron Works
*West Coast Gas Engine Co.
SAN FRANCISCO — *Aicher Machine Works, 1650 Stockton
†§Ajax Brass & Iron Works, 47 Clementina
†Alaska-Treadwell Gold Mining Co. (Steel Castings)
*†§Allis-Chambers Mfg. Co., Rialto bldg (See Milwaukee, Wis.)
*See adv index at end of book*
§American Brass Mfg. Co., Inc., 731 Folsom
*Archibald Co. (Screw Machine Products), 667 Howard
*§Atlas Brass Works, 612 Bryant
*Atlas Mfg. Co. (General Machine Work), 154 1st
*Bay City Iron Works, 1243 Harrison
*†Betts Spring Co. (Carriage, Wagon Auto Truck, Automobile, & Car Springs), 888 Folsom
*Binns Wm. H. (Machines & Tools), 416 Harrison
*Blasauf John, 81 City Hall av
*Boesch Lamp Co. (Electric Plating), 962 Mission
*Brunig Robert, 523 Brannan
†§California Artistic Metal & Wire Co., 349 7th
*§California Brass Wks. (Kingwell Bros.), 450 Natoma
*California Saw Works (Saws & Machinery), 721 Brannan
*California Tool Works (H. A. & W. E. Weichhart, Props), (Machinists & Dies & Models, etc), 181 Beale
*Cereghino D. (Pumps, etc.), 4445 Mission
*Christie Machine Works, 191 Fremont
*Clot & Crist Mach. Co. (Steam & Power Pumps, etc.), 940 Bryant
†Coast Foundry Co., South
*Columbia Machine Works (Machinists), 284 Stewart
†Columbia Steel Co. (Open-Hearth Steel Castings), 503 Market. Works: Pittsburg, Cal.
Commercial Iron Works (Gen. Repair Work), 497 5th
§Commercial Metal & Machinery Co., 550 4th
*Conner & Hunt, 566 Folsom
*Corliss Gas Engine Co. (Gasoline & Oil Engines), 440 Market
*Cyclops Iron Works (Brewery Machinery, Engines, Ice & Refrigerating Machinery, Printing Presses, etc.), 837 Folsom
†David P. Co., 21st & Indiana
*Davis Norris K. Machine Works, 7th & Harrison
*§Day Thos. Co. (Brass Fdrs. & Finishers), 719 Mission
*Doak Gas Engine Co., 503 Market
*†§Dow Pump & Diesel Engine Co. (Pumps, Hydraulic Machinery, etc), 311 California. Works: Alameda, Cal
*†Dundon's Iron Works (Engines, Boilers, etc.), 225 Folsom
*Dyer Bros. Iron Works (Bldrs. Iron Work), 17th & Kansas
*†§Enterprise Foundry Co., 20 Stewart
†Eureka Fdry.
*Evans C. H. & Co. (Engines, Pumps, etc), 179 Fremont
Fair Mfg. Co., 617 Bryant
*Franklin Machine Co. (Gas Engines), 126 Folsom
*Galli Machine Works (Machinists), 429 Tehama
*§Garratt W. T. & Co. (Brass & Bell Founders & Machinists), 299 Fremont
§Golden Gate Brass & Mfg. Co., Inc., 48 Tehama
*†§Golden State & Miners Iron Works (Engines & Mining Machinery), 249 1st
*†Graham Jas. Mfg. Co. (Stove & Range Mfrs. & Light & Grey Iron Casting), 531 Mission
*Gray J. A. Co. (Presses, Dies, Tools, etc.), 18th & Bryant
†Greenberg M. & Sons (Brass Foundry & Plating Works), 225 Beale
*Griffitt's Machine Works, 22 Clementina
†*Hansen & Bain
*Haslehurst W. W., 2122 Folsom
*†§Hendy Joshua Iron Works (Mining Machinery), 75 Fremont
*Hermann Safe Co. (Safes, etc.), 126 Folsom
*Hicks Jas. L. (Gasoline Engines, Tools, etc.), 967 Howard
†Ils John G. & Co. (Stoves, etc.), 839 Mission
*Imperial Gas Engine Co. (Gas Engines), 60 Clementina
†Jackson P. H. & Co. (Arch's Iron & Steel Work, Sidewalk Lights, etc), 237 1st
*Jenkins W. M. Machine Works, 18th & Treat av
*Johnson S. T. Co. (Oil Pumps, etc.), 1334 Mission
*†§Judson Mfg. Co. (Machine & Bridge Work Castings), 819 Folsom
†Ker Lloyd Iron Works, 252 Spear
*§Krenz Oscar Copper & Brass Works, 612 Bryant
†§McCormick Bros. Iron Works, Main & Folsom
*Main Iron Works, 16th & Daggett
*Main Street Iron Works (Wm. Deacon, Prop.) (Engines, etc.), 163 Main
*Meese & Gottfried Co. (Power Transmitting, etc.), 660 Mission
†Mission Foundry & Stove Works (Stoves, etc.), Treat av & 19th
*†Moore Ship Building Co. (Boilers, etc), 678 2d
*†Muir & Symon (Marine Iron Machine Works), 1015 Battery
*Murray Bros. Machine Works, 233 Folsom
§*New Speed Carburetor Co.
*North Machine Co., 324 Main
*†Ocean Shore Iron Works (Boilers, Tank, Structural Works), 550 8th
*See adv index at end of book*
*†Ohmen Engine Works (Steam Engines & Turbines), 17th & Capp
*Orton Machine Co., 315 Fremont
§Pacific Brass & Bronze Foundry, 528 Folsom
*†Pacific Foundry Co. (Smelting Machinery, Foundries, etc.), 18th & Harrison
*Pacific Gear & Tool Works (Cut Gears, etc.), 1035 Folsom
†*Pacific Rolling Mill Co., 17th & Mississippi
†Pacific Sanitary Mfg. Co., 67 New Montgomery
*†Pacific Ship Yards & Ways Co., 24 California
*†Pacific Structural Iron Works, 10th & Harrison
*Pacific Tank & Pipe Co. (Mining Equipment), 318 Market
*†Pelton Water Wheel Co. (Water Wheels for Power, etc.), 19th & Harrison
*Price G. W. Pump & Engine Co., 33 Stevenson
†Ralston Iron Works (Builders' Iron Work & Castings), 20th & Indiana
†§Rincon Foundry Co., 351 7th
*Rix Compressed Air & Drill Co. (Rock Drills, Air Compressors, etc), 505 Howard
*†§Rudgear-Merle Co. (Brass & Iron Bedsteads, Art Metal Work & Castings), 198 Bay
§Sanders Copper & Brass Works, 431 Folsom
§San Francisco Brass Foundry, 48 Clementina
*San Francisco Engng. Co. (Machinery), 322 6th

†San Francisco Iron Works, 45 Shotwell
*†San Francisco Stove Works (Stoves, Ranges, Castings, etc), 260 Townsend
†§Sartorius Co. (Arch'l Iron Works), 15th & Utah
*Schilling Adam & Sons (Gas Engines), 211 Main
†Schrader Iron Works, 1249 Harrison
Snow & Galgiani, 537 2d
*Specialty Machine Works, 72 2d
*Speck Wm. (Gear Cutting, Laundry Machinery, etc.), 2132 Folsom
§*Standard Brass Casting Co.
Standard Drop Forge Co., Balboa bldg,
*†Standard Gas Engine Co. (Gas Engines), 440 Market
†Standard Mfg. & Supply Co., Rhode Island & Alameda
†§Steiger & Kerr Stove & Foundry Co. (Stoves, Mining Machinery, Bridge & Building Castings, etc), 221 Folsom
†Thompson Bros., 625 Brannan
*Todt & Peters, 322 Main
*Toulouse & Delorieux (Machinists), 409 6th
*Union Gas Engine Co. (Gas & Gasoline Engines), 351 Montgomery
*Union Machine Co., 934 Brannan
*†§United Engineering Works (Ship Builders, Marine Engines, etc.), Clunie bldg
*†§United Iron Works (Centrifugals, Pumps & Mining Machinery, etc.)
*U. S. Shape & Pipe Bending Co., 315 Howard
*†Van Emon B. C. Elevators Co., Inc. (Electric & Hydraulic Elevators), 235 1st
*†Vulcan Iron Works (Engines, Ice & Refrigerating, Mining & Saw Mill Machinery), Francisco & Kearny
*Welshons & Symon, 3648 18th
*§Western Brass Mfg. Co., 217 Tehama
*§Western Foundry, 5th & Folsom
†Withington C. W. (Ornamental Iron Work), 416 2d
*Witt G. E. Co. (Fuel Oil Burners), 862 Howard
*Yuba Mfg. Co. (Excavating Machinery), Insurance Exchange bldg

SAN JOSE—*†Anderson-Barngrover Mfg. Co. (Fruit Grading & Packing Machines)
*†§Bean Spray Pump Co.
*†§San Jose Foundry
*†Wight Machinery Works

SAN LEANDRO—Junior Monarch Hay Press Co. (Hay Presses, etc.)

SAN PEDRO—*Hipple W. B.

SANTA BARBARA—*†§Western Machine & Foundry Co.

SANTA CRUZ—†§*Enterprise Mach. Wks.

SANTA MARIA—*Roemer & Roemer (Pipe Wrenches)

SANTA ROSA—†§*Yandle, W. J.

SELMA—*Vincent M. (Agr'l Implts.)

SONORA—*§Curnow R. C.
*Damas & Francis
†§Engng. & Fdy. Co.

STOCKTON—*Geiger J.
*Harris Mfg. Co. (Harvesters)
*†§Holt Mfg. Co. (Agricultural Implements, Traction Engines, etc.)
†Monarch Foundry Co.
*†§Samson Iron Works (Gas Engines, Irrigating Pumps, Castings, etc.)
*Shaw H. C. Co. (Harrows & Plows)
*†Sterling Iron Works
*†§Stockton Iron Works (Dredges, Engines, Castings, etc.)

SUNNYVALE — †§*Hendy Iron Wks. Joshua

SUTTER CREEK—*†§Knight & Co. (Water Wheels, Castings, etc.)

TORRANCE—†*Union Tool Co.

TUOLUMNE—*†Holman F. C.

UPLAND—*†§Upland Foundry & Machinery Co.

VALLEJO—†§*U. S. Navy Yard Fdy

VENTURA—*†Ventura Mfg. & Implement Co. (Agrl. Implts., etc.)

VISALIA—*†§Coats J. R.

WOODLAND—†Faulkner D. A.

## COLORADO.

ASPEN—*†§Mellor Jos.

BLACK HAWK—†§*Black Hawk Fdy & Mach. Co.
*†§McFarlane & Co.
*Stroehle Machinery & Supply Co.

BOULDER—*†Develine Foundry & Machine Works

CENTRAL CITY—*†§McFarlane & Co. (Mining Machinery etc.)

COLORADO SPRINGS—*Bumstead F. E.
*†§Hassell Iron Works Co. (Rock & Ore Crushers, Iron & Brass Castings, etc)

DENVER—*Ajax Iron Works Co.
*Andersen Chas. M. (Tools),
*Cahn-Forster Electric Co., 209 15th
†Capitol Foundry Co.
*Card C. S. Iron Works Co. (Mining Machy.)
§Colorado Brass Foundry Co.
*Colorado Concrete Mixer Co. (Concrete Mixers)
*†§Colorado Fuel & Iron Co. (Iron, Steel & Brass Castings, All Consumed by the Company; also Machines for Roll Turning, Repairs, etc.)
*†Colorado Iron Works Co. (Mining & Smelting Machinery, Iron Forgings, etc.)
†Cox Thomas & Son
Davoreen Brass Finishing Works (Brass Founders & Finishers)
*†Denver Engineering Works Co. (Mining Machinery, Iron Forgings, etc.)
*†Denver Iron Works & Foundry Co. (Brass & Iron Castings)
*Denver Rock Drill Mfg. Co. (Rock Drills, etc.)
*Dillon-Box Iron Works Co. (Mining Machinery), 3309 Blake
†Enz Iron Fdry Co. (Iron Castings, etc.)
*Fish A. E. & Co.
*§Flint Eectric & Mfg. Co.
*Gair & Binderup
*Gartman C. E. (Machinist), 1414 15th
*†Griffin Wheel Co. (See Chicago, Ill.)
*Havens Bros. Mfg. & Supply Co. (Pipes)
*Hendrie & Bolthoff Mfg. & Supply Co. (Mining & Mill)
*Hingley J. A. Machine Co.
*Home Embroidering Machine Co. (Embroidering Machines)
*McFarlane Manufacturing Co. (Mining Machy.)
*McFarlane Eggers Machy. Co. (Mining & Milling Machinery, etc.)
*†Maclear Mfg. & Supply Co.
†Magnus Metal Co., 1241 12th
*†Mine & Smelter Supply Co. (Mining Mach'y & Castings)
*Mountain Iron Works Co.
*Nock & Garside Elevator Co. (Elevators, etc.)
†*Plain Iron Works Co.
†Pioneer Iron & Wire Works Co.
*Plattner Mfg. Co. (Agricultural Implements)
*§Queen City Brass Works
†Queen City Foundry Co.
*Sachs-Lawlor Machine & Mfg. Co.
*†Shane Furnace & Metal Appliance Co., W Warren av & S Delaware
*Shaw C. H. Pneumatic Tool Co. (Pneumatic Tools)
*§Slack-Horner Brass Mfg. Co. (Brass, Copper, Gold, Nickel, Silver, etc.)
*†§Stearns-Roger Mfg. Co. (Mining & Sugar Machy., Brass & Grey Iron Casting, etc.)
*Stebbins Mfg. Co., 1737 Blake
*Truax Mfg. Co. (Steel Ore & Service Cars)
*Vulcan Iron Works Co.
*†Walker Mfg. Co. (Mining & Power Transmitting Machinery)
†Western Iron Foundry Co.
William A. Box Iron Works Co. (Mining Machinery), 3309 Blake

DURANGO—*†§Ball John R. Foundry & Machine Works

GREELEY—*Brown Peter (Potato Harvesting & Sorting Machinery)

LEADVILLE—*†§Engelbach Mach. Mfg. Co.
*†§McCarty & Moore

LITTLETON—†Leyner J. Geo. Engineering Works Co. (Compressors, Rock Drills, Pneumatic Tools, etc.)

MONTE VISTA—*Elliott D. J.

PUEBLO—*†§Colorado Fuel & Iron Co. (See Denver, Colo.)
*Hochenauer Joseph
*†§Ortner Geo. J. (Brass Fdry., etc.)
†§Pueblo Brass & Iron Foundry (Iron & Brass Fdrs., etc.)
*†§Pueblo Foundry & Mach. Co.
*†§Stearns-Rogers Mfg. Co. (Mining Machinery)

ROCKY FORD—*†§Goodner Pump & Mfg. Co.

TRINIDAD—*†§Trinidad Fdry. & Machine Co.

## CONNECTICUT.

ANSONIA—*Ansonia Electrical Co. (Electrical Specialties)
§Ansonia Fdry. Co.
*Ansonia Mfg. Co. (Brass Goods)
*Cameron Electric Mfg. Co. (Electrical Specialties)
*Cook H. C. Co. (Special Machinery & Brass Novelties), 100 Jewett
*†Farrel Foundry & Machine Co. (Paper & Pulp Mill, Rolling Mill, Rubber, Stone Sawing, Veneer Cutting, Wire Insulating, Wire Straightening & Cutting Machinery, etc.)
†§Phelps H. D. (Brass Foundry)

BANTAM—*Bantam Ball Bearing Co. (Ball & Roller Bearing Motors & Motor Vehicles, etc)
*Hawthorne Co. (Auto Lamps, etc.)

BEACON FALLS—*§Bronson Homer D. Co. (Brass Hinges)

BRANCHVILLE—*Gruman Ice Tool Wks., Inc. (Ice Tools, etc.)

BRANFORD—*†Hammer & Co. (Malleable Iron Castings & Hdwe. Specialties, etc.)
*†Malleable Iron Fittings Co. (Malleable Iron Pipe Fittings & Semi-Steel & Steel Castings)

BRIDGEPORT—*Acme Oil Engine Co. (Oil Engines)
*†Acme Shear Co. (Shears)
*Adams A. L. (Corset Machinery)
*†American Chain Co.
†§American Graphophone Co.
*American Tube & Stamping Co. (Sheet Metal Goods, etc.)
*†American & British Mfg. Co. (Corliss Engines, Driving Wheels, etc.) (See Providence, R. I.)
*Anderson Die Machine Co. (Die Forming & Muzzling, also Tapping Machines)
*Aqua Electric Heater Co.
*Armstrong Mfg. Co. ("Armstrong," Pipe Cutting & Threading Machines, etc), 278 Knowlton
*§Artistic Bronze Co. (Hardware, etc.)
*§Ashcroft Mfg. Co. (Steam Gauges, etc.)
*Atlas Shear Co. (Shears, etc.)
*†Automatic Machine Co. (Automatic & Special Machinery)
*Baird Machine Co. (Safety Toilet & Badge Pin Machinery)
*§Belknap Mfg. Co. (Brass Fdrs. & Brass Goods for Steam, Gas & Water)
*†Bilton Machine Tool Co. (The) (Slotting & Gear Cutting Machines, etc)
*Black Rock Machine Co. (Marine Engines, etc.)
*Bradley H. C. (Wood Turning Machinery, etc.)
*Breul Fred G. (Punch & Die Work Machinery, etc.)
*Bridgeport Brass Co. (Brass Tubing, Lamps, etc.)
*Bridgeport Chain Co. (Chains, etc.)
§Bridgeport Deox Bronze & Metal Co. (Deoxidized Bronze Ordnance, Comp. Castings, etc.)
*Bridgeport Electric Mfg. Co. (Water Heaters)
†Bridgeport Malleable Iron Works Branch of Eastern Malleable Iron Co.) (Malleable & Grey Iron Castings)
*Bridgeport Motor Co. (Gasoline Motors, etc.)
*Bridgeport Safety Emery Wheel Co. (Emery Wheel Machinery), 88 Knowlton
*See adv index at end of book*
*Bryant Electric Co. (Electrical Specialties)
*Bullard Machine Tool Co. (Machine Tools, etc.)
*§Burns & Bassick Co. Div. of The Bassick Co. (Brass & Bronze Castings & Furniture Trimmings)
*Connecticut Clasp Co. (Clasps, etc.)
†Connecticut Electric Steel Co., 540 Flatbush av
*Consolidated Safety Valve Co.
*Cornwall & Patterson Mfg. Co.

CONNECTICUT—Bridgeport—continued
*†Coulter & McKenzie Machine Co. (Rivet & Spring Machy., Presses, Punches, Shears, Drop Hammers, etc.)
*†§Crane Co. (Brass & Iron Valves, Fittings, etc.)
*Curtis & Curtis Co. (Pipe Cutting & Threading Machines, Stocks & Dies, etc.)
*Delcampe Welding Co. (Welding Machinery)
†Eastern Malleable Iron Co.
East Side Fdry. Co.
§Ellsworth Brass Foundry Co.
*Farist Steel Co. (Steel Car Springs, Railroad & Machy. Forgings)
*Fray Jno. S. & Co. (Ratchet & Drill Braces & Tool Sets)
Garrison Co. Inc. (Special Machinery), 183 John
*Gaynor Mfg. Co. (Brass Novelties)
General Machine & Mfg. Co. (Punches, Dies, Jigs, Tools, etc.)
*Grant Mfg. & Machine Co. (Riveting Machines & Tool Post Grinders, etc)
*Hall C. W. Carriage Co.
§Hamilton Jno. Brass Works (Brass Fdry & Finisher, Plumbers' Brass Goods)
Hansen Christian
Harris Engineering Co. (Tapping, Grinding & Special Machy.)
*Hatheway Mfg. Co. (Metal Goods & Dies)
*Hubbell Harvey (Inc.) (Screw Slotting & Riveting Machines)
*§Jennings Bros. Mfg. Co.
*Lake Torpedo Boat Co. (Submarine Torpedo Boats)
*Lindstrom Die, Tool & Gauge Wks. (Inc.) (Special Machinery & Tools)
*Locke Steel Belt Co.
†Manufacturers' Iron Foundry
§Monumental Bronze Co. (Bronze Monuments, etc.)
*Nilson A. H. Machine Co. (Special Automatic Machinery, etc.)
†Pequonnock Foundry (Gray Iron Castings, etc)
*Perkins Electric Switch Mfg. Co. (Electrical Supplies)
†Philbrick-Booth Fdry. Co.
*Raybestos Co. (Auto Brakes, etc.)
*Ready Tool Co. (Lathe Tools)
*Reliable Machine Co.
*Remington Arms.-Union Metallic Cartridge Co. Inc.
*Sandford F. C. Mfg. Co. (Vises, Milling Machines & Grinders)
*§Sanford David C. Co.
*Singer Mfg. Co. (Sewing Machines, etc)
§Smith Co. Inc., L. C.
Spafford Machine Screw Works (Screw Machine Products), 1516 Asylum
*Special Machinery Co. (Automobile Machinery, etc.)
*Sprague Meter Co. (Gas Meters, etc.)
*Spring Perch Co. (Springs, etc.)
*Springfield Mfg. Co. (Emery Wheel Machinery)
*†Standard Coupler Co. (Car Couplers & Steel Platforms, etc.) (See New York)
*Standard Oil Engine Co. (Gas Engines, etc)
§Stanley Bronze Co. (Brass, Bronze & Copper Castings)
*Trumbull F. S. (Special Tools)
Universal Caster & Foundry
*Victor Caster Co.
*Weidlich Bros. Mfg. Co. (Metal Goods & Novelties)
*White Mfg. Co. (Carriage Lamps & Mountings, etc.)
*Wolverine Motor Works (Marine Engines, etc.)

BRISTOL—*Barnes The Wallace Co. ("Barnes-Made," Steel Springs, etc.) *See adv index at end of book*
*§Bristol Brass Co. (Brass Mfrs. & Brass Castings, etc.)
*Bristol Mach. Tool Co. (Grinders & Milling Machines, etc)
*Bristol & Plainville Tramway Co.
†Clayton Mfg. Co. (Shears, Light Hdwe., etc.)
*Dunbar Bros. Co. (Cock Springs, etc.)
*Horton Mfg. Co. (Steel Fish Rods, etc.)
*§Ingraham E. Co. (Clock Mfrs.)
*Ladd W. C. (Clocks, Bells & Light Hdw.)
Lawson C. E. Brass Fdry.
*§New Departure Mfg. Co. (Bell Founders & Mfrs.) *See adv index at end of book*
*Root Chas. J. Co. (Registering Machines, Wrought Brass Hinges, etc)
*†Sessions Foundry Co. (Grey Iron Castings)
*Snyder L. H. & Co. (Floor & Ceiling Plates)
*Thompson H. C. Clock Co. (Clock Movements)
*Turner & Deegan (Bit Braces, etc.)

BROOKFIELD—*Lenox Shear Co. (Shears, etc)

CENTERBROOK — *Connecticut Valley Mfg. Co. (Bits)

CHESTER—*Deuse J. S. (Gimlets, etc.)
*Jennings Russell Mfg. Co. (Augers, Bits, etc.)

COLLINSVILLE — †Collins Co. (Powe, Tools, etc.)

COSCOB—*†§Oarr H. J. & Son (Iron Castings, etc.)
*Palmer Bros. (Gasoline Motors, etc.)

CROMWELL—†Stevens J. & E. Co. (Toys, Hardware, etc.)
*Warner Hammer Co. (Hammers, etc.)

DANBURY—*Boesch Mfg. Co. (Tools, etc.)
*Doran Bros. (Hatters' Machinery)
*Heim Machine Co. (Hatting Machy.)
§Henebry Thos. F. (Brass Foundry)
Lee Frank H. Co. (Contract Machinists)
*Morlock Machine Works (Hatters Machy.)
*New Machine Co. (Machinists)
*Russell Electric Co. (Electrical Goods)
*†§Turner Machine Co. (Hat Machy.)

DANIELSON—*Bradford Thos.

DERBY—*†Birmingham Iron Foundry (Rubber Mill & Rolling Mill Machinery, Iron & Semi-Steel Castings, etc.)
*Dairy Machinery & Construction Co.
†General Ordnance Co.
*O. K. Tool Holder Co. (Tool Holders & Lathe & Planer Tools, etc.), Shelton

EAST HAMPTON—*†§Bevin Bros. Mfg. Co. (Bell Fdrs. & Mfrs.)
*Brown H. B. Co. (Bolt & Nut Mchy.)
*§Climax Mfg. Co. (Bell Fdrs.)
§East Hampton Bell Co. (Bell Fdrs. & Mfrs.)
§Gong Bell Mfg. Co. (Bell Fdrs. & Mfrs.)
*†§Hill N. N. Brass Co. (Bell Fdrs. & Bell Mfrs.)
*†§Starr Bros. Bell Co. (Bells, Gongs, etc.)

ESSEX—*Hayden L. S.

FAIRFIELD—§Aluminum Castings Co.

FARMINGTON—*Wallace N (Lightning Rods)

FORESTVILLE—*National Marine Lamp Co.
*Sessions Clock Co. (Clocks, etc.)

GEORGETOWN — *†Gilbert & Bennett Mfg. Co. (Wire Goods, etc.)

GROTON—*†New London Ship & Engine Co.
Vanadium Metals Co.

GUILFORD—*†§SPENCER'S I. S. SONS (INC.) (Grey Iron Castings, etc.)

HARTFORD—Ainslie Machine & Tool Works (Universal Joints, Drill Vises, Tools, etc.), 35 Jefferson av
Automatic Refrigerating Co. (Refrigerating Machines)
§Blake Edwin J. (Brass, Aluminum, Phosphor & Manganese Bronze Castings, etc.)
*†Capewell Horse Nail Co. (Horse Nails)
*†Capitol Foundry Co.
*Clark E. R. Co. (Air Motors, etc)
*Clark Edred W. (Rubber Machy.)
*Colt's Patent Firearms Mfg. Co.
§Conway J. W.
*Cook Asa S. Co. (Wood Screw Machinery, etc.)
*Cooley & Trevor Mfg. Co. (Envelope Machy., etc.)
§Craig Jno. M.
*Cushman Chuck Co. (Lathe & Drill Chucks, etc.)
*Evarts Machine Co. (Gas & Gasoline Engines, etc.)
*GRAY & PRIOR MACHINE CO. (Universal Joints, etc), 96 Suffield *See adv index at end of book*
*HART MFG. CO., 230 Hamilton (Electric Switches, etc.) *See adv index at end of book*
*Hart & Hegeman Mfg. Co. (Electric Switches, etc.)
*Hartford Machine Screw Co. (Automatic Screw Machinery, etc.)
*Hartford Special Machinery Co. (Special Machy. & Contract Work)
*Henry & Wright Mfg. Co. (Machine Tools), 760 Windsor *See adv index at end of book*
*§Howard Jas. L. & Co. (Brass Founders & Finishers, Plating, Polishing, Lacquered, etc.)
*Jacobs Mfg. Co. (Drills, Chucks), 894 Park. *See adv index at end of book*
*Johns-Pratt Co. (Electrical Goods, etc.)
*Johnson Carlyle Machine Co.
†Laragy P. (Gray Iron Castings)
*Law F. A. Machine Co. (Marine, Stationary & Automobile Engines)
*Lee H. K. (General Machine Work)
*Leppert Chas. H. (General Machine Work)
*Merrow Machine Co. (Sewing Machines, etc.)
*Mutual Machine Co. (Universal Joints, etc), 27 Wells *See adv index at end of book*
*National Machine Co. (Machine Tools & Printing Presses)
*Neilsen & Wilson Tool Co.
Noble & Westerbrook Mfg. Co. (Grinders, Buffing & Polishing Lathes, Marking Machines, etc)
*Phoenix Mfg. Co. (Centering Machines)
*Pickering W. H. & Co. (Eng. & Machinists)
*Post & Lester Co. (Auto Supplies)
*†§Pratt & Cady Co. (Hydrants, Valves etc)
*†§Pratt & Whitney Co. (Machine Tools & Small Tools, etc.)
*Quint A. D. (Machine Tools, etc.)
*Rhodes L. E.
*Rhodes Mfg. Co. (Shaping & Slotting Machines), 984 Park *See adv index at end of book*
*Royal Typewriter Co. Inc. (See New York), New Park av
*Seifert Special Machinery Co. Inc. (Special Machinery), 308 Pearl
*Sigourney Tool Co. (Drill Presses, etc.)
*Smyth Mfg. Co. (Bookbinders' Machinery)
Spencer Turbine Co. (Organ Motors, etc.)
Spafford Machine Screw Works (Screw Machine Products), 516 Asylum
Spafford Tool Works
§Standard Foundry Co. (Aluminum & Bronze Castings)
*Sterling Blower Co. (Blowers, Fans, etc.)
*Taylor Mfg. Co. (Lathe & Planer Tools)
*†Taylor & Fenn Co., (Machine Tools, Drills, etc.)
*Terry Steam Turbine Co.
*Townsend H. P. Mfg. Co.
*Tucker W. B. & C. F. (Oil Hole Covers & Cups, etc), 516 Asylum
*Underwood Typewriter Co.
*Veeder Mfg. Co. (Cyclometers, Odometers, Counters, Speed Counters, & Fine Die Castings)
*Walton Co.
*†§Whitlock Coil Pipe Co. (Pipe Benders, Brass & Sheet Metal Work)
*Whitney Mfg. Co. (Machine Tools, etc.)

HIGGANUM — *†§Cutaway Harrow Co. (Harrows, etc.)
Scovil D. & H. (Planters, Hoes, etc.)

HIGHLAND PARK—*Case A. W. & Son

IVORYTON—*Behrens & Bushnell (Machinists)

LIME ROCK — *†Barnum-Richardson Co. (Car Wheels, Castings, etc.)

MANCHESTER—*Johnson Carlyle Machine Co. (Friction Clutches, etc.)
*Lydall H. & Foulds (Machine Needles, etc.)
*Norton Elec. Instrument Co. (Elec. Instruments, etc.)

MERIDEN—*†§Bradley & Hubbard Mfg. Co. (Bronze Goods, etc.)

*Browne & Dowd Mfg. Co. (Can Openers, etc.)
*†§Foster, Merriam & Co. (Cabinet Hardware, Brass Fdrs., etc.)
*§Handel Co. (Lamps)
*Jennings & Griffin (Edge Tools)
*Kelsey Press Co. (Printing Presses, etc.)
*Manning, Bowman & Co. (Bottlers' Machinery, etc.)
*Meriden Machine Tool Co. (Latnes & Screw Machines)
*Meriden Press & Drop Co. (Power Presses, Drop Hammers, Dies & Tools)
*§Miller Edw. & Co. (Brass Fdrs. Lamps, etc.)
*Parker Bros. (Guns, etc.)
*†§Parker Chas. Co. (Vises, Coffee Mills, etc.)
*Parker Clock Co.
*†Schenck M. B. Co. Div. (Casters & Iron Fdrs.)
§*Wallace Co., F. J.
*Wheeler Frank & Son
*Wusterbarth Bros.

MIDDLEFIELD—*†Lyman Gun Sight Corporation (Gun Sights, etc.)
§*Chapman Co., N. H.

MIDDLETOWN—*†§Douglas W. & B. (Pumps, Garden Engines, etc.)
*Frisbie Motor Co. (Marine Engines)
*†Hubbard Motor Co. (Gasoline Motors)
*New England Enameling Co.
*Noiseless Typewriter Co. (Main Office)
Palmer T. E. Co.
*†§Wilcox, Crittenden & Co., Inc. (Marine & Awning Hdw. & Grey & Malleable Iron & Brass Castings)
*See adv index at end of book*

MILFORD—Grimes P. L. (Jigs, Fixtures, Gages & Small Tools)
*Milford Tool & Engineering Co. (Special Tools for Munition Makers)
*§Rostand Mfg. Co. (Racks, Brass Goods, etc.)

MOODUS—*Brockway & Meckensturm Machine Co. (Cotton Machy.)

MOUNT CARMEL—§Mt. Carmel Brass Fdry. Works
*†§Woodruff Walter W. & Sons Co. (Brass Fdrs., etc.)

MYSTIC—*†Lathrop J. W. Co. (Gas Motors)
*†§Standard Machinery Co. (Bookbinders' Machy.)

NAUGATUCK—†Eastern Malleable Iron Co. (Malleable Iron & Semi-Steel Castings, etc)
*Risdon Tool & Machine Co.
*§Russell J. M. Mfg. Co. (Plumbers Supplies)

NEW BRITAIN—*†Beaton & Cadwell Mfg. Co. (Ceiling Plates, Steam Heating Supplies, etc. )
*†Corbin Cabinet Lock Co. (division of Am. Hardware Corpn.) (Locks, etc.)
†§*Corbin P. & H.
§Danberg Co., C. A.
§Flannery P. J. Co. (Plumbers' Brass Goods)
§Kinne W. A. (Brass Fdry.)
§†*Landers, Frary & Clark (Brass & Iron Fdrs., etc.)
*†Malleable Iron Works (Malleable & Grey Iron Castings)
*National Spring Bed Co. (Spring Beds)
*New Britain Machine Co. (Automatic Chucking & Screw Machines, Woodworking Machinery, etc), 190 Chestnut
*New Brtiain Tool Co. (Machinists)
*†§North & Judd Mfg. Co. (Brass, Bronze & Malleable Castings etc.)
§Osborne George H.
†§*Russell & Erwin Mfg. Co.
*Skinner Chuck Co. (Chucks, etc.)
*Stanley Rule & Level Co. (Planes, Try Squares, Gauges, etc.)
*STANLEY WORKS
*See adv index at end of book*
Frank & Hine Mfg. Co. (Patent Novelties)
*†Union Mfg. Co. (Drill & Lathe Chucks, Light Grey Iron Castings, etc.)
*See adv index at end of book*
†Vulcan Iron Works of Eastern Malleable Iron Co. (Malleable & Grey Iron Castings, etc.)

NEW HAVEN—†Adlerhurst Iron Co. (Architectural)
*Barnum S. H. (Iron Fdrs., Grey Iron Castings, etc)
*Belden Machine Co. (Dies & Models, Tools, etc.)
*Bigelow Co. (Special Heavy Machinery, etc.)
*Bishop W. S. (Electroplating Machinery, etc.)
*Brooks Chas. J. (Wire Covering & Special Machinery)
*Brown R. H. & Co. (Chucks & Machy.)
*Burgess Machine Co. (Special Machy., Dies, Box Nailing & Trimming Machy., etc.)
§Central Brass Co.
§*Colonial Brass Co.
§*Cowles & Co., C.
Driggs Ordnance & Mfg. Corp. (Engine Lathes, Motors, etc)
Dudley Co., New & Second Hand Mach.
*†Eastern Machinery Co. (Brick Machinery, Elevators, Friction Clutches, etc.)
§Ely C. Upham
*§English & Mersick Co. (Coach Lamps & Trimmings, etc)
*Federal Adding Machine Corp. (Special Tools, Gages, Cutters, Reamers, etc.), York & Grove
†Fitch W. & E. T. Co. (Sash Locks, Malleable Iron Castings, etc.)
*†Foskett & Bishop Co. (Steam Traps & Steam Specialties, etc.)
§Fritzell Oscar Co.
Fritzell Oscar (Brass Founder), 51 Chestnut
*†Fuller Mfg. Co. (Printers & Bookbinders' Machy., etc.)
*Geometric Tool Co. (Special Machy., Screw Cutting, Die Heads, Hollow Milling Tools, etc.)
§Graham Jas. & Co. (Brass Fdrs.)
*Greist Mfg. Co. (Sewing Machine Attachments, etc)
*Griswold Geo. M. Machine Co. (Paper Box Machy., Dies, Tools, etc.)
*Hemming Bros. Co. (Automatic Polishing & Grinding Machy.)
*Hendryx Andrew B. Co.
*See adv index at end of book*
*Herrick & Cowell (Paper Box Hardware, Electrotype & Special Machinery)
*Hoggson & Pettis Mfg. Co. (Chucks, Dies, Tools & Special Machinery, etc.)
*§Ives H. B. Co. (Brass & Bronze Fdrs.)
*†McLagon Foundry Co. (Machine Molded Furnace & Machy. Castings, Pulleys, etc.)
Magnus Co., Inc.
*Miner & Peck Mfg. Co. (Drop Presses & Drop Hammers, etc)
*New Haven Carriage Co. (Automobile Bldrs.)
New Haven Screw Co. (Screw Machine Products, 191 Foster
*See adv index at end of book*
*†§North O. B. & Co. (Malleable Iron Fdrs.)
*Ochsner A. & Son (Carriage Locks & Specialties)
*Oven Equipment & Mfg. Co.
*See adv index at end of book*
*§Peck Bros. & Co. (Brass Fdrs. & Plumbers' Brass Goods & Supplies)
*Peck John L. & Co.
*Rattan Mfg. Co.
*†§Reynolds Jas. Mfg. Co. (Sand Molding Machines & Brass Fdrs.)
†§*Sargent & Co.
*Schollhorn Wm. Co. (Pliers, Nippers, Punches, etc)
*Scranton & Co.
*SHUSTER F. B. CO. (Wire Straightening & Cutting Machines), Cedar Hills *See adv index at end of book*
*Snow & Petrelli Mfg. Co. (Yacht Cann. Marine Reversing Gears, etc.)
†Stannard Iron Foundry
*Twiss Nelson W. (Steam Engines, etc.)
*†Warner G. F. Mfg. Co. (Grey Iron Castings, etc)
*Winchester Repeating Arms Co. (Rifles, Guns, etc)
*Wirth John D. (Special Machinery & Tools)

NEW LONDON—*Babcock Printing Press Mfg. Co. (Printing Presses, etc.)
*†§Brown Cotton Gin Co. (Cotton Gins, etc.)
*Connecticut Turbine Mfg. Co. (Steam Turbines)
*†Hopson & Chapin Mfg. Co. (Heating Apparatus, Grey Iron Castings, etc.)
*Lapointe J. N. Co. (Broaching Machines)
*†§New London Marine & Iron Works (Fdrs., Machinists, Marine Railway)
*New London Motor Co. (Motors, etc.)
*New London Vise Works (Vises, etc.)
*Thames Tow Boat Co.
*†WHITON D. E. MFG. CO. (Machine Tools, etc., Lathe & Drill Chucks) *See adv index at end of book*

NEW MILFORD—*Arcade Machine Wks
*†§New Milford Foundry & Machine Co.

NORTH WINDHAM—*Hartson L. M. Co.

NORWALK—*†Arnold Co. (Textile Machinery)
*†Meeker's Union Foundry Corp'n

NORWICH—*Barber M. A. (Cork Cutting Machy.)
*§Bard Union Co. (Unions, etc.)
*Chelsea File Works (Files)
*Crescent Fire Arms Co. (Shot Guns, etc.)
*Gould Augustus
*Hopkins & Allen Arms Co. (Br. of Marlin-Rockwell Corp.) (Fire Arms)
*Lester & Wasley Co. (Envelope Machinery, etc.)
§Pequot Brass Foundry
†*Richmond Radiator Co.
§Tracy C. Oscar (Brass Fdr.)
§*United Metal Mfg. Co. Inc.
†Vaughn Foundry Co. (Grey Iron Castings)
*†Young John T. Boiler Co.

PLAINVILLE — §Carter E. T. (Brass Foundry)
*§Elm City Brass & Rivet Co. (Brass Fireplace Furnishings, Brass Castings, etc.)
*Hanson Bros. (Screw Machine Products)
*Osborne & Stephenson Mfg. Co. (Brass Goods, etc.)
*Trumbull Electric Mfg. Co. (Electric Specialties)
*Gainer F. H. Plainville, Conn.

PLANTSVILLE—*Wood G. E. Tool Co.

PORTLAND—*Anderson Wrench Co.
*†§Pickering Governor Co. (Governors)
*†§Portland Specialty Mfg. Co.

PUTNAM—*†Putnam Fdry. & Mach. Co. (Machine Tools)

ROCK FALL—*Smith Otis A. (Fire Arms, etc.)

ROCKVILLE—*†Murless H. B.

ROCKY HILL — *†Champion Mfg. Co. (Grey Iron Castings, etc.)

ROXBURY—†Bronson W. & H. (Plows, Castings, etc.)

SEYMOUR—*†Church S. B. (Windmills, etc.)
*Matthews H. A. Mfg. Co. (Bicycle Parts & Stove Trimmings)
§Rimmon Eyelet Co.
†Seymour Iron Foundry (Castings)
§Seymour Mfg. Co.
†Seymour Metal Goods Co. (Novelties)
*Smith James M. (Lathes, etc.)
*Swan Jas. Co. (Augers, Bits, Drawing Knives, etc.)

SHELTON—*†§Premier & Potter Printing Press Mfg. Co., Inc.
†§*Whitcomb Metal Bedstead Co.

SOUTH COVENTRY—*Kingsbury & Davis Machine Co. (See Machines, etc.)

SOUTHINGTON—*†§Peck, Stow & Wilcox Co. (Tools, etc.)

SOUTH NORWALK—*Le Count Wm. G. (Lathe Dogs, etc.)
*†§Lockwood Mfg. Co. (Hardware, Locks, etc.)
*Miller Julius W. (Machinist)
*Nash Engineering Co.
*†Norwalk Iron Works Co. ("Norwalk" Air Compressors, Gas Compressors, etc.)
*†§Norwalk Lock Co.
*Robertson E. B.
§Scam S. & Son
*Specialty Mfg. Co.
*†§Wheeler Bros.

CONNECTICUT—Continued
SOUTHPORT—*Jelliff C. O. Mfg. Corp'n (Harrows, etc.)
SOUTH WINDHAM—*†§Smith & Winchester Mfg. Co. (Paper Bag Machinery)
STAMFORD — *Blickensderfer Mfg. Co. (Typewriters, etc.)
*See adv index at end of book*
§Brown Bros. (Brass Foundry)
§†Davenport John Co. (Piano Plates)
***Mianus Motor Works (Marine & Gasoline Engines)**
*Muench Geo. (Machinist)
***Remington Oil Engine Co.**
*Schickel Motor Co. (Mortorcycles)
†Stamford Foundry Co. (Stoves, etc.)
*†Stamford Gas Stove Co. (Stoves, Heaters, etc.)
†Stamford Jobbing Fdry. Co.
*Stamford Motor Co. (Gasoline Engines)
*†§Yale & Towne Mfg. Co.
STONINGTON — *†Atwood Machine Co. Silk & Spool Cotton Machy)
*†§Miller's A. B. Sons
STONY CREEK—*Beach Oliver B. (Gas Engines)
TERRYVILLE—*§Eagle Lock Co. (Locks, etc.)
†Terry Andrew Co. (Malleable Iron Fdrs.)
THAMESVILLE—(See Norwich)
THOMASTON—*Thomas Seth Clock Co. (Clocks, etc.)
THOMPSONVILLE—*Standard Metalwork Co. (Presses, etc.)
*§Westfield Plate Co. (Coffin Trimmings, etc.)
TORRINGTON—***BORGESON MFG. CO., INC.,** 38 Monroe
*See adv index at end of book*
*†§Hendey Machine Co. (Machine Tools, etc)
*National Sweeper Division of The Torrington Co. (Carpet Sweepers)
Schroeder Bros. Mfg. Co. (Contract Work, Special Machinery, Gages & Dies of All Kinds), 111 Brookl.
***Standard Co. (Cycle Fittings)**
*Torrington Co., The Excelsior Plant successor to Excelsior Needle Co. (Wire Rod & Tube Pointing Machinery, etc.)
*See adv index at end of book*
Torrington Co., The Standard Plant
*Torrington Mfg. Co. (Brass & Copper Rolling Mill Machy., etc.)
*†§Turner & Seymour Mfg. Co. (Castings, etc.)
§Waterbury Brass Goods Corp.
UNIONVILLE—*Hogarty Edw. (Harness Snaps & Saddlery Hardware)
*Upson Nut Co.
WALLINGFORD—*Ives W. A. Mfg. Co. (Bits, Augers, etc.)
*§†Judd Co., H. L.
WATERBURY—§American Pin Co. (Brass & Bronze Castings, Pins, etc.)
*§American Ring Co. (Rings, etc.)
†Apothecaries Hall Co. (Nickel Anodes)
*Atlas Machine Co. (Screw Presses, etc.)
*Benedict & Burnham, Branch (Brass Mfrs.)
*Blake & Johnson Co. (Power & Foot Presses & Wire Forming Machinery, Cold Rolling Machy, Tool Grinders, etc), 1500 Thomaston av
*See adv index at end of book*
***BRISTOL CO.** (Recording Instruments, etc.)
*See adv index at end of book*
**CHASE METAL WORKS** (Brass Mfrs.)
§Chase Rolling Mill Co. (Brass Mfrs.)
§Conn. Brass Fdry. Co.
§Connecticut Brass & Mfg. Corp.
*Draher Jno. (Power Presses, Rivet, Screw & Button Machy. Dies, etc.)
*Electrical Appliance Mfg. Co.
§French Manufg. Co. (Brass Tubing)
*Henderson Bros. Co. (Machinists & Tumbling Barrels)
***Ludington Cigarette Machine Co.** (Cigarette & Tobacco Machinery)
†Manufacturers Foundry Co. (Grey Iron & Brass Castings, Water Jacketed Cylinders, etc.)
***Manville E. J. Machine Co. (Power Presses, Wire Working, Rivet or Heading Machinery)**
*§Matthews & Willard Mfg. Co. (See Scovill Mfg. Co.)
*§Novelty Mfg. Co. (Brass Goods)
§Platt Bros. & Co. (Buttons, etc.)
*Plume & Atwood Mfg. Co. (Brass Goods, etc.)
§Randolph-Clowes Co. (Brass Goods)
***ROBINSON TOOL WORKS, INC.** (Die Filling Machines, etc.)
*See adv index at end of book*
*†§**SCOVILL MFG. CO.** (Brass Goods Mfrs.) *See adv index at end of book*
*§Smith & Griggs Mfg. Co. (Brass & Metal Goods)
*§Steele & Johnson Mfg. Co. (Brass Castings, etc.)
*See adv index at end of book*
§Waterbury Brass Co.
§Waterbury Brass Goods Corp'n (Brass)
**†Waterbury Castings Co.**
*§Waterbury Clock Co. (Clock Mfrs.)
*†§Waterbury Farrel Foundry & Machine Co. (Drop, Power, Hydraulic & Foot Presses, Brass & Copper Rolling Mill Machy., etc.)
†Waterbury Foundry Co. (Grey Iron Castings, Grate Bars, Floor Plates, etc.)
*§Waterbury Mfg. Co. (Brass Goods)
*Waterbury Steel Bolt Co., 300 Aurora
*See adv index at end of book*
*Waterbury Tool Co. (Transmission & Variable Speed Changing Gears)
WATERVILLE—§Berbecker & Rowland Mfg. Co. (Brass Specialties, etc)
*Rowbottom Machine Co. (Special Automatic Machy. of every description, Disc Grinders, etc)
*Waterville Mach. Works
WEST CHESHIRE—§*Am. Mfg. Co.
WEST HAVEN—Coe-Stapley Mfg. Corp. (Auto Parts & Fittings)
WEST STAFFORD—*Bradway C. P. Machine Works
WILLIMANTIC—*†Vanderman Mfg. Co. (Grey Iron Castings, etc.)
*Willimantic Machine Co. (Silk & Thread Machy., etc.)
WINDSOR LOCKS—*Clark Geo. P. Co. (Hand Trucks, Casters, etc.)
WINSTED—*Carter & Hakes Machine Co. (Machine Tools)
*Gilbert Wm. L. Clock Co. (Clocks, etc.)
*Moore Franklin Co. (Hoists, Cranes, etc.)
***Richards Benj. & Co. (Upholsterers' Brass Goods)**
*Winsted Edge Tool Works (Edge Tools, etc.)
*Winsted Mfg. Co. (Scythes)
YALESVILLE—†Parker Charles Co.

## DELAWARE.

DOVER—*†Jones E. L. & Co. (Machy.)
EAST WILMINGTON — *†§**HILLES & JONES CO.** (Machine Tools, etc)
*See adv index at end of book*
EDGE MOOR—*Edge Moor Iron Co. (Buckle Plates, Forgings & Water Tube Boilers)
LAUREL—*Oldfield Jas. W. (Machinist)
MILFORD—*†Mathews L. J.
NEW CASTLE—*Am. Manganese Steel Co.
Baldt Steel Co.
§Brylgon Steel Casting Co. (Steel Castings, Crankshafts, etc)
†Deemer Steel Casting Co. (Steel Castings)
WILMINGTON—*†American Car & Foundry Co. (See St. Louis, Mo.)
*Baker G. W. Machine Co. (Leather Working Machinery)
*†Betts Machine Co. (Machine Tools etc.), Maryland av & South
*Christiana Machine Co. (Jobbing),
†Davis L. D. (Iron Railings, etc.)
*§Delaware Marine Mfg. Co.
†*Du Pont Powder Co.
*Green Elevator Co. (Elevators, etc.)
*§Harlan & Hollingsworth Corp'n (Steel Ships, Marine Engines, Car Buildings, etc.), ft West
*Henderer E. & Co. (Pipe Vises)
*Henderer's A. L. Sons
*Hickman Franklin P.
*Jones & Schumacher (Gasoline Engines), 1100 West
*Layman A. C. Machine Co. (Leather Working Machinery)
*†Lobdell Car Wheel Co. (Car Wheels & Chilled Rolls, etc.)
*Modern Machinery Co. (Forgings, Cut Gears, Bottle Washing & Special Machinery, Repairs, etc)
*National Machine Co. (Fibre & Special Machinery), 507 Orange
*†§Pusey & Jones Co. (Iron & Brass Fdrs., Engines, Paper Mill Machinery, Steel Ships, etc)
*§Remington Machine Co. (Castings, Corliss Engines, Horseshoe & Ice Machines), 411 E Front
Shaw Benj. F. Co. (Iron & Steel Plate Work & High Pressure Piping)
*Slocomb F. F. & Co. (Leather Working Machy. & Pneumatic Tools, etc.), 14th & Poplar
*§Speakman Supply & Pipe Co. (Plumbers' Brass Goods)
*Standard Arms Mfg. Co. (Guns & Rifles)
*Sugar Apparatus Mfg. Co. (Sugar Machinery)
*Trump Bros. Machine Co. (Drill, Chucks, Gasoline Engines, Lathe Center, Grinders, Scroll, & Textile Machinery, etc), Beech & Anchorage
*Walker & Elliott (Phosphate Mill & Machinists)
*†§Wilmington Malleable Iron Works of Eastern Malleable Iron Co.

## DISTRICT OF COLUMBIA.

TWINING—*†Columbian Iron Works
WASHINGTON—†Alexandria Iron Works, Evans bldg
†Briscoe W. D., 1818 E. N. W.
*Carl Frederick (Insts. & Model Maker), 623 H
*Catlin E. H. & Co., 309 13th, N. W.
*†Cragg H. C. Mfg. Co., 228 K. S W
*Doremus Machine Co. (Machinists), 302 13th, N W
§Ennis & Son, Geo. T.
*Farrow Arms Co., 210 2d, N W
*†§Firth-Sterling Steel Co. (Ordnance Works, Giesboro Point)
*Forsberg Gustave W. (Machinist), 8th & Water, S W
†Gichner Fred S. (Iron Foundry), 1214 D, N W
*Hurley Jno. E. (Machinist), 1219 Ohio av
†Jorss A. Fred (Iron Fdry. & Builders' Iron Works), 315 13th, N W
*§National Electrical Supply Co., 1330 N. Y. av
*†Springman's J. T. Sons, 904 7th, S. W
*Tabulating Machine Co., 1054 31st, N W
Union Iron Works Co., 212 12th
†*Washington Steel & Ordnance Co. Giesboro Point
*†White Chas. & Co., 418 O, S W
*†White Fred J., 462 Main av, S W

## FLORIDA.

ARCHER—*†§Maddox Foundry & Machine Co.
DADE CITY—*Talley J. M.
DUNEDIN—†§*Skinner Machinery Co.
FORT MYERS—*Raymond A. E. & Co.
GAINESVILLE—*§Gainesville Foundry & Machine Works
JACKSONVILLE — *Consolidated Engng. Co. (Electrical Work & Repairs)
§*†Duval Iron Works
*†§Florida Machine Works (Brass & Iron Castings & Machine Works)
*Gibbs Gas Engine Co. of Florida (Gas Engines)
*Hubbard S. B. Co.
*†Merrill-Stevens Shipbuilding Corp.
*†§Murphy Timothy Iron Works (Brass & Iron Castings & Machine Work)
*Rubin Iron Works
Smith L. Iron & Steel Co.
*Vulcan Iron Works
LAKE CITY—*Johnson L. W.
LAKELAND—*Jones Wm.
MIAMI—*†§Lyne C. H. (Brass & Iron Castings & Machine Work)
*Miami Garage
*Perry C. H. (Gas Engines, etc.)
OCALA—*Ocala Gas Engine Works (Gas Engines & Garage)
*†§Ocala Iron Works (Saw Mill & Phosphate Machy., etc.)
OLDSMAR—*Oldsmar Tractor Co.
ORLANDO—*Atlas Mfg. Co.
*†§South Florida Fdry. & Mach. Works (Brass & Iron Castings, etc)

PALATKA—*Hanley R. H.
*†§Stanton Foundry & Machine Co. (Brass & Iron Castings, etc.)
PENSACOLA—†§Bayshore Fdry. Co.
*†§Gulf Machine Works
*Pensacola Gas Engine & Supply Co.
PUNTA GORDA—*Hewitt Bros. (Machinists & Garage)
TALLAHASSEE — *†§Tallahassee Iron Works (Brass & Iron Castings, etc.)
TAMPA—*†Gulf Iron Works
*†§Tampa Steam Ways Co. (Ship Builders & Iron Founders)
WEST PALM BEACH—*Fowler Geo. W. Co.

## GEORGIA.

ALBANY—*Georgia Car & Locomotive Co. (Rebuilders)
*Southern Machine Works
AMERICUS—*Sawyer W. H. & Sons Co.
ATHENS—*†§Athens Foundry & Machine Works
†§*Georgia Plow & Fdry Co.
*Umbach F. G. (Harrows, etc.)
ATLANTA—*Amer. Machine & Mfg. Co (Oil Mill Machy., etc.)
†§*Atlanta Plow Co.
†Atlanta Stove Works (Stoves)
*†§Atlanta Utility Works, East Point, Ga.
*Avery & Co.
*†Bailey-Burruss Mfg. Co.
*Camp Machine Shop
*Clark J. C.
*†§Continental Gin Co. (See Birmingham, Ala.)
†*Fulton Metal Bed Mfg. Co.
*†General Pipe & Foundry Co.
*†Georgia Car & Locomotive Co. (Cars Rebuilt)
Greenpoint Metallic Bed Co.
*Hill A. E. Mfg. Co.
§Magnus Co., Inc.
†*Mutual Fdry. & Mach. Co.
*†§Pratt Engineering & Machine Co. (Chemical & Fertilizer Machinery, etc.)
*Riddell Bros.
Roberts Marion I.
†§Southern Iron & Equipment Co. (Iron Castings, Cars, Locomotives, etc.)
*Southern Saw Works
†Southern Wheel Co. (Car Wheels)
*†§Spalding Foundry Co.
†§Vulcan Fdry. & Iron Wks.
*†§Withers Foundry & Machine Works (Iron & Brass Fdrs.)
*Woodruff Machinery Manufg. Co.
AUGUSTA—*†§Georgia Iron Works (Saw Mill Machinery, etc.)
*†§Lombard Iron Works & Supply Co. (Engines & Saw Mill Machy., etc.)
*Merry Steel Truck Co.
*Vales E. J. (Jobbing)
BAINBRIDGE—*†§Sutherland D. T.
BREMEN—*†§Bremen Foundry Machine Works
BRUNSWICK—*†Brunswick Marine Construction Corp. (Brass, Iron Castings & Machine Works)
BUFORD—*Lowe T. F.
CANON—*Bowers Machine Works
CANON—*Bowers Machine Works
CARTERSVILLE—*†Withers Foundry & Machine Works
CEDARTOWN—*†Cedartown Foundry & Machine Co.
COLUMBUS — *†§Columbus Iron Works (Ice & Refrigerating Machinery, etc)
*Columbus Truck & Supply Mfg. Co.
*†§Golden's Foundry & Machine Co. (Power Transmitting Machinery, etc.)
*†Lummus Cotton Gin Co. (Cotton Gins, etc.)
†§Pekor Iron Works (Repairing)
*Perfection Dyeing Machine Co.
*†Southern Plow Co. (Cultivators, Plows, etc.)
COMMERCE—*Gibbs Bros.
CORDELE — *†§Tomlin-Harris Machine Co. (Iron & Brass Castings & Machine Work)
DALTON—*Dalton Auto & Machine Co.
*†§Wrinkle & Miller Foundry & Machine Co.
DEMOREST—*†Demorest Foundry & Machine Works
*†§Hendrickson E. D. (Iron Castings & Machine Work)
DICKEY—*Parkins E. P.
DOUGLAS—*§Douglas Foundry & Machine Works
EAST POINT—*†§Atlanta Utility Works (Oil Mill Machinery, etc) (See Atlanta, Ga.)
*Southern Saw & Machinery Works
ELBERTON—*Elberton Machine Works
FORT VALLEY — *Georgia Agricultural Works (Cotton Gin Machinery)
GAINESVILLE—*†§Gainesville Iron Wks.
GRIFFIN—†Gresham Mfg. Co.
MACON—*Gantt Mfg. Co. (Ag'l Implts.)
*†Massey Gin & Machine Works (Cotton Gins, etc.)
*†§Schofield's J. S. Sons Co. (Sugar Machinery, etc.)
*†§Taylor Iron Wks. & Supply Co.
*†Williams Mfg. Co. (Ag'l Implts.)
MADISON—*Madison Auto & Machine Co. (Garage & Repairs)
MARIETTA—*†§Glover Machine Works (Locomotives, Hoisting Engines, etc.)
MILLEN—*Beard B. C.
MONTICELLO—*Benton Mfg. Co. (Agricultural Implements)
MORELAND—*†§Camp E. N. & Son Co. (Inc.) (Ag'l Implts. & Castings)
NEWNAN—*†§Cole R. D. Mfg. Co. (Engines, etc.)
OCILLA—*Sikes Hay Press Co.
QUITMAN—*†§Quitman Foundry & Machine Co.
ROME—*†Battey Machinery Co.
†Bowie Stove Co. (Stoves)
*†§Davis Foundry & Machine Works
†§*Griffin Fdry. & Mfg. Co.
†Hanks Stove & Range Co. (Stoves)
*Hill City Machine Shop (Repairs)
*†§Rome Machine & Foundry Co.
*†Southern Co-operative Fdry Co. (Stoves & Hollow Ware)
*†Towers & Sullivan Mfg. Co. (Cultivators, Harrows, Plows, etc.)
SAVANNAH—*American Automatic Machinery Co.
*†§Kehoe Iron Works (Iron & Brass Fdrs. & Saw & Phosphate Mill Machy., etc.)
*†§McDonough, J. J.
*Mingledorff & Co. (Machine Jobbing, etc.)
*†§Rourke Jno. & Sons (Iron & Brass Fdrs., Machinists, Heavy Forgings, etc.)
*†Savannah Iron & Wire Works
*†§Wilkinson Machine Co. (Inc.)
SOCIAL CIRCLE—*Social Circle Mfg. Co. (Fertilizer Mixers)
TATE—*Georgia Marble Co.
THOMASVILLE — *†§ **THOMASVILLE IRON WORKS**
*See adv index at end of book*
VALDOSTA—
WAYCROSS—
WAYNESBORO—*†Mobley G. W. (Machinery)
WEST POINT—*†§West Point Investment Co.
†§*West Point Iron Wks.
WINDER — *†Woodruff Machinery Mfg. Co. (Ag'l Implts., Saw Mill Machinery Castings, etc.)
WRENS—*King O. P. & Co.
HONOLULU—†§*Honolulu Iron Works Co.

## IDAHO.

BOISE—*†§Baxter Jas. Foundry & Mach. Works
Boise Iron Wks. & Fdy. Co.
LEWISTON—†§*Idaho Fdy. & Mach. Co.
MOSCOW—†Bell O. E. (Ag'l Implts.)
*†§Idaho National Harvester Co. (Ltd.)
TWIN FALLS—†§*Knape E. P.
WALLACE—†§*Coeur D'Alene Hdwe. & Fdy. Co.

## ILLINOIS.

ABINGDON—*§American Sanitary Mfg. Co. (Plumbers' Brass Goods)
ALTON—*Beall Bros. (Miners' Tools, Shovels & Specialties)
*†Duncan Foundry & Machine Works (Car Wheels, etc.)
*Hapgood Plow Co. (Ag'l Implts., Plows, Drills, Planters, etc.)
*Hayden Machine Co.
*Illinois Glass Co. (Machine Shop for their own use)
†Schuessler Fdry. & Mach. Co.
ANNA—*Smith H. W. (Jobbing)
ARLINGTON HEIGHTS—*†Peter & Volz Co.
ASSUMPTION—*Consolidated Electric & Mfg. Co. (Electric Specialties)
*McClure J. W.
AURORA—*†§American Well Works
*†American Woodworking Machinery Co. (See Rochester, N. Y.)
*§Aurora Foundry Co. (Grey Iron & Machine Pulley Castings, etc.)
*§Aurora Metal Co. (Brass & Bronze Castings & Metallic Piston Packing)
*Divekey Bros. (Garage & Machinists)
*†Fox River Boiler Sheet Iron Works.
*†Fox River Iron Co.
*Hinckley Charles C.
†*Love Bros., Inc.
§Peters Henry Brass Foundry Co. (Brass Castings, etc.)
*†Rathbone, Sard & Co. (Stoves, etc.)
*†Stephens-Adamson Mfg. Co. (Elevating, Conveying & Power Transmitting Machinery, etc)
*Udstad S. (Machinist)
*Vindex Electric Mfg. Co. (Transformers, etc.)
Western Wheeled Scraper Co. (Street Sweeping Machines & Road Scrapers, etc.)
AVA—*Spinner E. F.
*Underwood Wm. J.
BATAVIA—*†Appleton Mfg. Co. (Agricultural Implements)
*Batavia Engineering Works (Inc.) (Conveying, Elevating & Screening Machy.)
*†§Challenge Co. (Gas & Gasoline Engines, Windmills, etc.)
*Emerson-Brantingham Co. (See Rockford, Ill.)
†Shumway C. W. & Son (Machinery Castings, etc.)
†Sperry D. R. & Co. (Filter Presses, Evaporators, Vacuum Pans, etc)
§Stuttle Brass Mfg. Co.
*†U. S. Wind Engine & Pump Co. (Windmills, Pumps, Feed Mills & Corn Shellers, etc.)
BELLEVILLE — *†Baker Stove Works (Stoves, etc.)
†§Baur Fdy. Co.
†Belleville Foundry Co.
*Belleville Implement & Motor Co. (Ag'l Implements, Motors, etc.)
*†§Belleville Stove & Range Co. (Stoves, etc.)
*Berger Chas. (Jobbing, etc.)
*†§Born J. C. & Bro. (Grinding & Polishing Mchy., Countershafts, etc.)
†Crown Foundry Co. (Iron Founders)
*†Eagle Foundry Co. (Stoves)
†Enterprise Fdy. Co.
*†Excelsior Foundry Co. (Castings, Sugar Cane Mills, etc.)
*Germania Refrigerating & Machinery Co.
*Gundlach P. M. Sons (Agrl. Implts.)
*†Harrison Machne Works (Threshers & Engines)
*Herzler & Henninger Machine Wks. (Coal Mining Mach'y)
*†§Illinois Foundry & Machine Co.
*Modern Die & Plate Press Mfg. Co. (Die & Plate Presses, etc.)
*†§M. H. Foundry & Mfg. Co. (Iron & Brass Castings, etc.)
†Oakland Foundry Co.
†§Orbon Stove & Range Co. (Stoves Ranges, etc.)
†Roesch-Kohl Enamel Range Co.
†Quality Stove & Range Co.
*†St. Clair Foundry (Iron Fdrs.)
*Schwarz Jos. & Sons
†Superior Foundry & Mfg. Co.
*United States Safety Gas Machine Co.
BELVIDERE—*Belvidere Screw & Machine Co. (Screw Machine Products)
*†National Sewing Machine Co. (Sewing Machines & Screw Machine Products)
BENTON—†*Banner Mfg. Co.
BLOOMINGTON—*†American Foundry & Furnace Co. Castings, etc.)
*†§Constant B. S. Manufg. Co. (Elevator & Grain Machinery, etc.)
†Co-operative Stove Co. (Stoves)
*Diets S. J.
*Keiser-Van Leer Co.
*McGrath J. T. & Son
*†Magirl P. H. Foundry & Furnace Works (Grey Iron Castings, etc)
BLUE ISLAND—*Bronson E B. Co.

ILLINOIS—continued

BRADLEY — *†Bradley David Machine Works. (Plows, Cultivators, Planters, etc)
*§*Bradley Mfg. Works
*†Turk Jos. Mfg. Co. (Iron Beds, etc.)

BUSHNELL—*Norcross C. S. Son (Garden Plows, etc.)

CAIRO—*†§McCarthy & Malinski
*†§Reed Hardware & Mfg. Co. (Machine Tools & Castings, etc.)
*†§Rennie Jno. T.
*†§Vulcan Iron Works

CANTON—*†§Parlin & Orendorff Co. (Plows, Cultivators, Planters, Listers, etc.)

CARLOCK—*Schad Alva

CARMI—*Brandt F. W. (Agricultural Implements)

CARPENTERSVILLE—*†§Illinois Iron & Bolt Co. (Presses, Jacks, Vises, Drills, etc.)
*†Star Mfg. Co. (Agricultural Implements, etc.)

CHAMPAIGN—
*†§Burr Co. (Manhole Covers, Sewer Inlets, Municipal Castings, etc.)
*Hardy W. F. (Agrcultural Implts.)

CHICAGO—**§Abernathy Vise & Tool Co., 227 Englewood
*Acme Steel Goods Co., 2834 Archer av.
*Adams Bros. & Co. (Special Machy., etc.), 136 W Lake
§Adams & Westlake Co.(Railroad Specialties, Brass Fdrs., Finishers, etc.), 319 W Ontario
*§Adapt Machinery Co. (Special Machinery), 1624 Wabash av
*Addressograph Co. (Addressing Machines), 901 W Van buren
*†§Aermotor Co. (Windmills & Pumps, etc.), 2500 W 12th
§Ajax Brass Mfg. Co., 218 W Kinzie
*Ajax Forge Co. (Frogs, Crossings, etc), 2503 Blue Island av
*ALBAUGH-DOVER CO. (Cut Gears, etc), 2100 Marshall blvd
Alemite Die-Casting & Mfg. Co., 341 W Chicago av
*Allbright-Nell Co. (Packing House Mach'y), 5315 Western av
*§Allen W. D. Mfg. Co. (Brass Founders' Brass Specialties, Finishers, etc.), 566 W Lake
*See adv index at end of book*
*†§Allis-Chalmers Co. (See Milwaukee, Wis.)
§Am. Art. Bronze Fdry
†Am. Brake Shoe & Fdry Co.
Am. Cast Iron Pipe Co., 38 W Dearborn
*†American Bridge Co. (Bridge Bldrs., etc.), W 40th & Princeton
†American Building Foundry Co. (Structural & Arch'l Castings), 2300 S. Springfield av
*AMERICAN CAN CO. (Machy Dept.) (Can Makers' & Canners' Machinery, etc.), Monroe bldg.
*†American Car & Foundry Co., 80 E. Jackson boul. (See St. Louis, Mo.
*American Carton Sealing Machine Co., 1060 W. Harrison
*American Iron & Wire Works, 1622 Carroll av
*American Ironing Machine Co., 166 N. Michigan
*American Laundry Machinery Co., 1800 N Spaulding av
American Metal Ware Co. (Brass Bedsteads, etc.), 368 W Huron
*American Meter Co. (Gas Meters & Appliances), 122 S Michigan
American Nickel Wks., 1415 Dayton
American Perforator Co. (Perforating Machines), 621 W Jackson blvd
American Pneumatic Chuck Co., 9 S Clinton
*†American Radiator Co. (Radiators, etc.), 820 S Michigan av
*American Specialty Co., 319 W Ohio.
†American Steel Foundries (Steel Castings), 332 S Michigan av
*American Stove Co., 179 N Michigan av
*†American Wood Working Machinery Co., 565 W Washington. Factory: Aurora, Ill.
*Amundsen A. & Co. (Punch Press Work), 2134 Lawrence av
†§*Anderson A. H.
§Anderson A. H. 1213 Fulton
§Anderson Bros. (Brass Founders & Finishers), 1388 Fulton
*Anderson Carl Co. (Repair Gas & Gasoline Engines), 867 Larrabee
§Anderson Chas. B., 109 S Clinton
*Anderson Chas. L. Machinery Co., 2256 W Walnut
*Anderson C. F. & Co. (Printers' & Binders' Machinery), 710 S Clark
*Anderson Engine Co. (Gasoline & Kerosene Engines, etc.), 4036 N. Rockwell
Anderson Fdry Co., Wm. B., 24 S Clinton
*Apex Elec. Mfg. Co., 1410 W 59th
*Archer Iron Works Co. (Wheelbarrows, Trucks, etc.), 2436 W. 34th pl
*Armstrong-Blum Mfg. Co. (Punches & Shears, Rod Cutters, etc), 337 N Francisco av
*Armstrong Bros.' Tool Co. (Tool Holders, Ratchet Drills, etc.), 339 N Francisco av
*Arnold, Schwinn & Co. (Bicycles, etc), 1718 N Kildare av
†§Art Bedstead Co., 37th & Rockwell
†Ashland Iron Works, 1604 W Superior
*Austin Machinery Corpn. (Ditching Machine, etc), Railway Exchange bldg
*Automatic Electric Welder Co., 618 W Jackson blvd
*Automatic Racking Machine Co., ft. 28th
*Ayes & Co. (Pipe Cutters, etc.), 1812 Ellen
*B. & A. Machine Works, 317 S Clinton
§Baldwin Brass Works, 411 S Clinton.
Ball Bearing G. A. Mfg. Co., 3051 W Lake
*Barber A. H. Creamery Supply Co. (Ice & Refrigerating Machy. & Dairy Supplies), 300 W Austin av
*Barco Brass & Joint Co. (Brass Finishers), 212 W Illinois
Barker H. J. & Co. (Sheet Metal Stamping), 101 N Jefferson
*§Bastian-Blessing Co. (Brass Fdrs. & Finishers), 125 W Austin av
*Batterman Fruit Co., 736 W Monroe
*§Beardslee Chandelier Mfg. Co. (Gas & Electric Fixtures), 216 S Jefferson
*Bell & Howell Co. (Moving Picture Machy., etc.), 1803 Larchmont av
§Berchem Julius (Bronze Statuary, etc.), 4921 W Lake
*Bergholtz, Strodtz & Co. (Tools, etc.), 2230 Ogden av
*Bergbom & Roberg (Machinsts & Tool Makers), 218 N Jefferson
*Besly Chas. H. & Co. (Disc Grinders, Taps, etc.), 120 N Clinton. Works: Beloit, Wis.
*Blakeslee G. S. & Co. (Dish Washing Machines), W 19th & S 52nd av
*Bloomfeldt & Rapp Co. (Special Machy., Dies, etc.), 108 N. Jefferson
*Boller Peter Machine Works (Machinist), 124 N Curtis
†Bolter's A. Sons (Builders' Iron Work), 2301 Ward
†Brady Jas. A. Foundry Co. (Machinery Castings), 45th & Western blvd
*Brandes Carl (Arch'l & Structural Iron), 1327 Otto
*†Brighton Foundry Co., 3306 Artesian av
*Brokaw-Eden Mfg. Co. (Laundry Machinery), 175 W Jackson blvd
*Bromm Fred (Tools), 2564 S Halsted
*†Brucker Michael (Fdry. & Stove Repairs), 820 N Lincoln
*Brunner & Lay (Stone Jacks) 570 W Polk
†Buchanan Electric Steel Co. (Steel Castings), 80 E Jackson blvd. Works: Buchanan, Mich.
*†§Buda Co. (Railway Cars, Axles, Wheels, Track Equipments, etc.), Railway Exch. bldg. Works: Harvey, Ill.
*Buissono Bros.' Mfg. Co. (Machinists), 3351 Parnell
*Bullock Tractor Co., 1801 Diversey Parkway
*Burdett Mfg. Co., 309 St. John's Court
*Burge Machine Works (Vulcanizers, etc.), 230 N Jefferson
†Burnside Steel Co., Railway Exch.
*Burton A. G. Son (Safe Locks, etc.), 118 S Clinton
†Butler St. Foundry & Iron Co. (Iron Fdry.), 3422 Normal av
*†§Caldwell H. W. & Son Co. (& Power Transmitting Machinery, etc.), 17th and Western av
Cameron Can Machinery Co., 240 N Ashland av
Carlson Forgings Co. (Steam Hammer, Light & Heavy Forgings, etc.), 733 Fulton
*Cassady-Fairbank Mfg. Co. (Automatic & Bicycle Parts, etc.), 6126 S La Salle
*Central Architectural Iron Works, 53 W Jackson blvd
§Central Brass Foundry, 1229 W Randolph
*Central Chandelier Co., 1547 Fulton
*Central Iron Works (Fire Escapes, etc.), 939 W Lake
*Central Specialty Mfg. Co., 508 S Peoria
*Champion Foundry Machine Co., 2419 W 14th
Channon Jas H. Mfg. Co. (Elevators & Machinery), 227 W Erie
§Chicago Aluminum Castings Co., 2647 Ogden av
*Chicago Apparatus Co. (Scientific Apparatus), 32 S Clinton
Chicago Bridge & Iron Works, 2105 Old Colony bldg., Chicago, Ill.
*See adv index at end of book*
Chicago Car Seal Co., 364 N Green
*Chicago Die & Machine Works, 415 N Carpenter
*Chicago Dryer Co. (Laundry Machinery) 630 S Wabash av.
§Chicago Faucet Co. (Brass Goods, etc.), 2712 N Crawford av
*Chicago Ferrule & Nut Co., 880 Lill av
*†Chicago Foundry Co., 2211 N Major
†*Chicago Gold Coin Stove Works, 2135 Loomis
*†§Chicago Hardware Foundry Co., 546 W Wash.
†Chicago Iron Foundry Co., 2313 Austin av
*§Chicago Journal Bearing Co. (Car Brasses, Brass & Bronze Castings), 519 W Vanburen
*Chicago Laundry Machinery Co., 213 W Grand av
*Chicago Machine Tool Co., 649 Washington blvd
*Chicago Machine & Washer Co., 2625 W 15th
*†§Chicago Malleable Castings Co. (Refined Malleable Castings), 120th & Racine av
†Chicago Malleable Iron Co., Blue Island & Western aves
*†Chicago Mfg. Co., 1464 S Michigan av
*†Chicago Railway Equipment Co. (Brake Beams, Bolsters, Side Bearings, Railway Specialties, etc) 1928 W 46th
*Chicago Ship Building Co. (Marine Engines, Ship Builders, etc.), 101st & Calumet river
*Chicago Steel Car Co., Harvey
†Chicago Steel Foundry Co. (Crucible, Manganese, Nickel, Canadian & Chrome-Vanadium Steel Castings), 3701 S Kedzie av
*†Chicago Stove & Range Co. (Ranges, etc.), 2500 Cottage Grove
*Chicago Surgical & Elec. Co., 324 W Superior
*Chicago Time Lock Co., 2765 St. Mary's
*Chicago Watch Tool Co., 1956 Grand av
*Chisholm, Boyd & White Co. (Brick Machinery, etc.), 57th & Wallace
*§City Brass Works, 1744 Carroll av
*†§Clow, Jas. B. & Sons (Cast Iron Pipe & Plumbers' Supplies), Franklin & Harrison .
*Clyde Iron Works, 343 S Dearborn
*Colborne Mfg. Co. (Pie Bakers' Machinery, etc.), 157 W Division
*†§Coleman Adelbert E., 336 W 37th
§Colonial Fireplace Co., 4631 W 12th
*Columbia Mills, 231 W. Monroe, (See New York, N. Y.)
*Compound Injector & Specialty Co. (Plumbing Specialties), 419 N Laramie av

*Comptograph Co. (Adding & Listing Machines), 33 S La Salle
*Consolidated Press Co., 26 S Jefferson
*Continental Bridge Co., Monadnock block
Continental Machine & Fdry Co. (Grey Iron & Semi-Steel), 517 Ins. Ex. bldg
*Cook & Chick Co. (Jobbing & Repairing a Specialty), 18 E Kinzie
†Co-Operative Foundry Co., 505 S Clinton
*Corbin & Guion (Electrical Repairs), 310 S Desplaines
*†§Crane Co. (Est. 1855) (Steam Specialties & Cast Iron & Brass Goods), 836 S Michigan av
*For branch offices see Alphabetical Section*
*†Creamery Package Mfg. Co. (Ice & Refrigerating Machines & Creamery Supplies), 61 W Kinzie
†Cribben & Sexton Co. (Stoves & Plumbers' Enameled Ware, etc.), 680 N Sacramento blvd
*Cross Press & Sign Co. (Wood Printing Machines), 1508 Dayton
†Crown Stove Works (Stoves), 4631 W 13th. Works: See Cicero, Ill.
*Cullman Wheel Co. (Sprockets for Roller & Block Chains), 1346 Altgeld
†Cummings T. A. Foundry Co., 1338 Cortland
*Cummins Perforator Co. (Check Perforators, etc.), 4740 W Ravenswood av
*Curtis, Espy & Co., 158 N Ashland Blvd
†Dauchy Iron Works (Builders' Iron Work, Castings & Vault Lights), 223 W Illinois
*†§Davis, Horwich & Steinman (Brass), 2236 La Salle
*Davis-Johnson Mfg. Co. (Hydraulic & Iron Beds), 2236 La Salle
Presses & Pumps, etc.), 4811 W Jackson
*†§Dawson Bros. (Brass & Iron Fdrs.), 523 N Halsted
*Dearborn Machine Works, 410 S Dearborn
*Dee Wm. E. Co. (Castings, Sewer, Pipes, Gratings, etc.), 30 N La Salle
†§*Deering Works, 1734 Fulleton av
*Delano E. A. Co. (Power Transmitting Machy., etc), 1401 W North
*Dellenbarger C E., 1370 W Grand
*Delta-Star Electric Co. (Electrical Appliances), 2437 Fulton
*§Diamond Brass Foundry & Machine Co., 1115 Washington blvd
*Dickow, Fred C., 3504 W Lake
*§Dietzgen Eugene Co., 166 W Monroe
†Diversey Fdry. Co., 1651 Wolfram
*Dobbins C. E. & Co. (Axles & Springs), 460 N Halsted
*†Domestic Sewing Machine Co. (Sewing Machines), 19 W Jackson blvd.
*Donaldson & Fisher Co., 1654Besley ct
*Downing-Smith Co. (Electrical Repairs), 553 W Vanburen
*Durcer Co., 101 S Clinton
*†Duffin Iron Co. (Arch'l Iron, etc.), 4837 S Kedzie
*†Duffy, J. F., Jr., 563 Fulton
*Dunbar & Co. (Peanut & Pop Corn Roasting Machines), 2652 W Lake
*Dun Wm. E. Mfg. Co. (Concrete Mixing Machy), Holland, Mich.
*Dunn Manufacturing Co. (Dish Washing Machinery), 180 N Dearborn
*Economy Engineering Co. (Tiering Machines), 415 S Washtenaw
Economy Pumping Machy Co., 122 Curtis
§Eddy Brass Foundry & Machine Co., 301 N Halsted
*†Eddy R. M. Foundry Co. (Boiler & Machinery Castings, etc.), 372 W Grand av
§*Edward Valve & Mfg. Co.
*Electric Rotary Machine Co., 32 S Clinton
*Electric Steel Co.
Electrical Mfrs. Equipment Co., 712 Postal Telegraph bldg, Chicago, Ill. *See adv index at end of book*
*Electro Magnetic Tool Co. (Drills), 2902 Carroll
†Elizabeth Street Foundry (Iron Fdry.), 5837 S Elizabeth
†Elliott Foundry & Machine Works, 1921 S Fairfield av
**ELMES CHAS. F. ENGINEERING WORKS (INC.)** (Hydraulic Presses, Pumps & Accumulators), cor. Fulton & Sangamon
*See adv index at end of book*
*§Empire Brass Works (Brass Founders, Finishers, etc.), 824 Fulton
*Emrath Louis, 4236 N Ashland av
*Enterprise Tool & Metal Works (Machinists), 126 S Clinton
†Equipment Corp. of America (Rebuilt Machines), Lumber Exchange bldg
Erb W B & Co. (Machinists), 527 W Van Buren
*Erwin & Co.(Hydraulic Pumps, etc.), 3736 Cottage Grove av
*Essley E. L. Machinery Co., 555 Washn blvd
*Eureka Digger Co., 227 W Huron
*Eureka Rubbing Stone Co., 157 W Austin
*†Everson, C. G. & Co., 70 W Lake
*Excelsior Cycle Store. (Bicycles), 5340 B'way
*Excelsior Motor Mfg. & Supply Co. (Motorcycles), 3701 Cortland
*Excelsior Steel Furnace Co. (Furnaces, etc.), 118 S Clinton
*†§Fairbanks, Morse & Co. (Gas Engines, etc.), 900 S Wabash av
§Faunt Bros. (Brass Founders, Finishers, etc.), 1555 Fulton
†Fearon-Tillotson Foundry Co., 1420 W Kinzie
*§Federal-Huber Co. (Plumbers' Goods, etc.), 234 N Halsted
*Felt & Tarrant Mfg. Co. (Comptometers, etc.), 1717 N Paulina
†Ferguson & Lange Foundry Co. (Grey Iron, Ammonia, Chilled & Hydraulic Castings & Chilled Car Wheels, etc), Clybourn & Willow
*§Fidelity Brass Mfg. Co., 1001 Washington blvd
*§Findeisen & Kropf Mfg. Co., 2559 W 21st
*Fischer Machine Works (Woodworking Machinery), 1845 Carroll av
§Florentine Brotherhood, 842 Exch. av
*Folding Sawing Machine Co., 161 W Harrison
*†Foley-Williams Supply Co. (Sewing Machines), 19 W Jackson blvd
*FOOTE BROS. GEAR & MACHINE CO. (Engineers' & Machinists' Special Machinery, Cut Gears, etc.), 213 N Curtis
*See adv index at end of book*
*Force Wm. A. & Co. (Inc.) (Stamps, Dies, etc.), 108 W Lake
Forged Products Co. (Drop Forgings, Pliers, Pullers & Cotter Pin Extractors), Conway bldg
Fort Dearborn Fdry. Co., 23rd & Stewart av
*Fort Dearborn Mfg. Co. (Special Mach., etc.), Sterling
*Foster & Hosler (Pneumatic Tools), 431 S Dearborn
*Fowler Lamp & Mfg. Co. (Carbureters, Cut-Out Valves, etc.), 59 E 24th
†Francis & Nygren Foundry Co. (Semi-Steel & Iron Fdrs.), 2542 Fillmore
†Franklin Pipe & Foundry Co., 2438 S. Paulina
*Furness Bros. Co. (Machinists, Pumps, etc), 1615 W Walnut
*Gallaher & Speck (Machinists), 215 W Congress
*GANSHOW WM. CO. (Engineers' & Machinists' Special Machinery, Cut Gears, etc.), 1001 Washington blvd. *See adv index at end of book*
*†Garden City Fan Co. (Iron Fdrs. & Blowers' Exhaust Fans, etc.), 332 S. Michigan av. Works: Niles, Mich.
*Gebhardt H. J., 343 S Dearborn
*Gibson, Wm. D. Co., 1800 Clybourn av
*Gillette Elec. Street Clock Co., 728 Buckingham Pl
*Gits Bros. Mfg. & Specialty Co. (Oil Cups, etc.), 1901 S Kilbourne
*Glader Wm. (Cooperage Machinery, etc), 210 N Ann
*Globe Electric Co. (Electric Motors), 6340 Stony Island av
§Globe Metal Co., 1970 Clybourn av
*Goldschmidt M. & Co. (Electrical Repairs), 542 S Clark
*Goodell, Jas. M. Jr., Inc., 150 N Loraine av
*Goodman Mfg. Co. (Mining Machinery), Halsted & 48th pl
*†Goss Printing Press Co. (Printing Presses), 1535 S Paulina
*§Grant Michael F. & Co. (Brass Fdrs. & Finishers), 330 S Clinton
†Greenlee Foundry Co. (Iron Fdrs.), 664 W 12th
Greer, Frederic, 525 W Vanburen
*Gregory Electric Co. (Electric Machinery), 1601 S Lincoln
*†Griffin Wheel Co. (Car Wheels), 332 S Michigan av
*Grotnes Chas. (Machy.), 128 N Jefferson
*Gruendel Geo. Machine Works (Machinist), 440 N Peoria
*Guarantee Electric Co. (Dynamos & Motors), 430 S Green
*Gump B. F. Co. (Rebuilt Flour Mill Machinery), 431 S Clinton
*Guyton & Cumfer Mfg. Co. (Special Machinery), 4451 Filmore
*G. & W. Electric Specialty Co., 7440 S Chicago
*Haberkamp Wm. Machine Works (Saturating & Roofing Paper Machinery, etc), 442 Wells
*Hacker Mfg. Co. (Printing Machinery), 312 N May
*Hall A. W. & Co., 633 Plymouth
*†HANKE IRON & WIRE WORKS, 800 N Albany av
*See adv index at end of book*
*Hanna Engineering Works (Pneumatic Tools & Special Machy), 1764 Elston av
*Hannifin Mfg. Co. (Chucks, Countershafts, Dies, etc.), 621 S Kolmar av
*†Hansell-Elcock Co. (Iron Founders & Builders' Iron Works), Archer & Normal avs
§Hansen & Olsen, 506 S Green
*Hardin Lavin Co., 4543 Cottage Grove av
*Hardinge Bros. (Sensitive Drills & Watchmakers' Tools, etc), 4203 Ravenswood av
§Harris Arthur & Co. (Brass Founders & Finishers for Breweries, Distillers, etc.), 212 N. Curtis
*See adv index at end of book*
*Harris & Reed, 1500 W 15th
*Harvard Electric Co. (Electrical Specialties), 525 W Van Buren
§Heath J. S. Co., Franklin & Ontario *See adv index at end of book*
§*Heath-Johnson Co.
§Hecht Jere M., 320 W Grand av
*Heerey Machine & Battery Works, 918 E 43rd
*Helmold J. F. & Bro. (Machine Tools), 1462 Hamburg
*Hennebohle F. (Steam & Hydraulic Specialties), 81st & S Chicago av
*See adv index at end of book*
†§Herbert Boiler Co., 140 Root
*†Higbie Oats Cleaner Co., 2346 Clybourne av
*Higgins John C. (Mill Pecks), 812 W Kinzie
§*Hill Pump Valve Co., 4001-21 Belmont
*§Hills-McCanna Co. (Brass Fdrs. & Engineers' Supplies), 153 W. Kinzie
§Hine-Watt Mfg. Co. (Automobile Lamps, etc), 180 N Market
Hintz Mfg. Co., 1108 S Kilbourn
§Hodgson Foundry Co. (Brass Fdrs. & Finishers), 2012 W 13th
*Hoeft & Co. (Special Machy., Dies, Tools, etc.), 1600 W Kinzie
§Holland Brass Works (Brass Founder & Finisher), 616 W Monroe
*Holmes Bros. (Molds, etc.), 440 N Sacramento
*†Holmes, Pyott & Co. (Builders' Iron Work & Foundry & Machinists), 159 N Jefferson
†Home Stove Works (Stoves), 2622 W 18th
*Hotchkiss, Blue & Co. (Car Bldrs.), 80 E. Jackson blvd. Works: Harvey, Ill.
*†Hughson Steam Specialty Co. (Steam Specialties, etc.), W 21st & S. Racine av
*Hydraulic Engineering Works (Hydraulic Press & Pumps), 708 Fulton

ILLINOIS—Chicago—continued

*Ilg Electric Ventilating Co. (Blowers, Fans, etc.), Crawford av near Diversey Blvd
*Illinois Car & Mfg. Co., 20 W Jackson blvd.
*Illinois Die & Tool Works, 162 N Desplaines
*Illinois Engineering Co., W 21st & S Racine avs
*†§Illinois Malleable Iron Co. (Iron & Fdrs., Pipe Fittings & Plumbers' Supplies), 1801 Diversey blvd
*Illinois Maintenance Co., 72 W Adams
*Illinois Modern Button & Machine Co. (Button Machinery), 2407 W Ohio
§Illinois Smelting & Refining Co., 410 N Peoria
Illinois Steel Co. (Iron, Steel & Brass Castings, All Consumed by Company; also Machine Shop), 208 S La Salle
*§Imperial Brass Mfg. Co. (Brass Fdrs. & Finishers), 524 S Racine av
*See adv index at end of book*
*Industrial Products Co. (Jigs, Fixtures, Special Machy., etc.), 334 N Irving av
†§*International Harvester Co., 606 Michigan av
*International Register Co. (Car Fare Registers), 15 Throop
James D. O. Mfg. Co. (Gear Cutting), 1120 W Monroe
*Jennings Pump & Dredge Co. (Dredging Machy, Pumps, etc.), 180 N Dearborn
Jewell Electrical Instrument Co., 1650 Walnut
*Johnson Chas. & Son (Fire Escapes, etc), 320 W Grand
§Johnson Meier, 155 Wendell
†Johnston & Jennings Co., 1020 W 38th. (See Cleveland, O.)
*Jones Superior Machine Co. (Wood Working Machy, Plumbers' Brass Goods), 1264 W North av
*†Jones W. A. Foundry & Machine Co. (Power Transmitting Machy & Castings), 4401 W 12th
*Joslin A. D. Mfg. Co., 223 W Erie
*Joy Chas. H. (Slot Machines), 407 Aberdeen
*Kaestner & Hecht Co. (Elevators, Brewers' & Maltsters', Paint Grinding & Mixing Machinery), 500 Throop
§*Kainer Mfg. Co., 761 Mather
*Karas Electric Co. (Electric Specialties), 215 W Illinois
*Karbatzki J. B. & Son, 1302 W 22nd
†Kedzie Fdy. Co., 3234 W 31st
*†Kellogg-Mackay Co. (Radiators & Heating Apparatus), 403 W 18th
*Kellogg Switchboard & Supply Co., 1066 W Adams
§Kelly Brass Works, 226 W Ontario
*Kelly Thomas & Bros. (Water Closets & Plumbers' Brass Goods), 404 S. Kolmar av
*Kiesler Jos. F. Co., N Sangamon & W Huron
†Kimball W. W. Co. (Piano Plates, etc.), 304 S Wabash av
*†Kimball & Chappell Co. (Metal Bedsteads, etc.), 2834 Loomis
*Kimber G. A. (Tools), 1326 N Hamlin
*Kimble Electric Co. (Electric Motors & Fans), 634 North Western av
*Klemm E. R. (Stone Jacks), 1453 Austin av
Kling Bros. Engineering Works, 1300 N Kostner av
*Klipfel Mfg. Co. (Valves, Regulators, etc.), 2651 W Harrison
*Kohler & Liebich (Player Piano Roll Cutting Machinery), 1751 Addison
*Kreiter Louis & Co., 313 S Clinton
*Kroeschell Bros. Ice Machine Co., 472 W Erie
*Lammert & Mann (Gas & Gasoline Engines, etc.), 221 N Wood
*Lamson Cutter Head Co. (Woodworking Machy.), 30 N Jefferson
*Lange Henry G. (Glass Beveling & Coffee Roasting Machinery), 162 N May
*Larsen Ivert (Special Machinery, Dies, etc.), 221 N Elizabeth
*La Salle Cement Co., 140 S Dearborn
*Latham Machinery Co. (Bookbinders' Wire Stitching & Perforating Machines, etc), 1153 Fulton
*Laubenheimer, Geo. E. Co., 17 N La Salle
Laun Machine Co., 715 Root
§Leitelt Bros., 7731 S Chicago
Lennox Machine Co., 2558 W 16th
*Lidseen Gustav (Tools), 832-840 S Central av
*See adv index at end of book*
*Lindahl Henry Machine Co., 954 W Lake
*Lindstrom, Smith Co. (Electric Vibrators, Hair Dryers, etc.), 3212 W Lake
*†LINK-BELT CO. (Elevating, Conveying & Power Transmitting Machinery) 329 W 39th
*See adv index at end of book*
*†§Liquid Carbonic Co. (Soda Fountains), 3100 S Kedzie av
*Littell, F. J. Machine Co., 4127 Ravenswood av
Logan Machine Mfg. Co., 222 S Clinton *See adv index at end of book*
*Lovejoy Tool Works (Tools, Jacks, Punches, etc), 319 W Ohio
*See adv index at end of book*
McAlear Mfg. Co., 1901 S Western av
*McClellan Refrigerating Machine Co., 570 W Adams
†§*McCormick Wks. Blue, 1st & Western avs
McCrea, Jas. & Co., 562 W Washington
*McDonald Machine Co. (Can Making Machinery, etc.), 3207 Shields av
§*McGuire-Cummings Mfg. Co.
*†McIntosh Battery & Optical Co., 217 N Desplaines
*†Magnus Metal Co. (Brass Founders & Finishers), 80 E Jackson blvd
§Mahoney P. F., 552 W Lake
Mann Corp., 72 W Adams
Manufacturers' Belt Hook Co., 1321 W Congress
*Marchant Geo. F. Co. (Dies, etc.), 1420 S Rockwell
*Marine Iron Works (Paddle Wheel & Marine Machy.), 2036 Dominick
*Marsh Jas. P. & Co. (Steam Gauges, etc.), 118 S Clinton
*Marshall & Huschart Machinery Co., 17 S Jefferson
*Martin & Anson Co. (Air Compressors), 2226 Indiana av
*§Mason Davis & Co. (Scales, Castings, etc.), 7740 S Chicago av
*Massey Vise Co. (Vises, etc.), 35 S Desplaines
*Mateer F. W. & Co. (Laundry Machinery), 222 W Ontario
*Mechanical Machine & Tool Works, 549 Fulton
*Metal Block & Ingot Co., 2215 Elston av
*Miller Chemical Engine Co., 837-839 Larrabee
*§Mills Novelty Co. (Coin Operating Machines), 221 S Green
*Mitchell F. C., 714 S Dearborn
*Monarch Motor Mfg. Co. (Gas & Gasoline Engines), 4636 W Madison
*Monarch Tool & Machinery Co. (Dies, Tools, etc.), 522 S Clinton
*†Monighan Machine Co. (Hoisting Engines, Steam Hammers, Grey Iron Castings, etc.), 2032 Carroll av
*Moon Mfg. Co., 122 N Jefferson
*Moore & Co. (Special Machy, Dies Tools, etc.), 305 W Grand av
*Moore-Master Mfg. Co. (Power Transmission), 3445 N Western av
*Morgan-Gardner Electric Co. (Electric Mining Machinery), 2640 Shields av
*Morkrum Co. (Printing Telegraph Machinery), 140 Wrightwood av
*Moyer Chas. L. & Co., 75 W Van Buren
*Mulvey Chas. Mfg. Co., 1840 Carroll av
*†Munro Daniel (Iron Fdrs.), 433 S Jefferson
*Murray W. B. (Gasoline Engines), N Winchester & Wabansia av
*†National Car Coupler Co. (Car Couplers, Buffers, Steel Platforms, etc.), 332 S Michigan av. Works: Attica, Ind.
*National Jack & Mfg. Co., 130 S Clinton
*National Machine Works (Brewers' & Maltsters' Machy.), 1559 Sheffield av
*National Malleable Castings Co. (Malleable Iron Castings for R. R., etc), 2610 W 25th pl. (See Cleveland, O.)
*National Sewing Machine Co., 320 W Madison
*National Stamping & Electric Works (Electric & Special Machinery, Dies, Tools, etc), 424 S Clinton
*Nelson A. Mfg. Co. (Bicycle & Auto Parts), 564 W Randolph
*Nelson & Le Moon (Machinists), 849 N Kedzie av
*†§Newman Mfg. Co., 68 W Washington. *See adv index at end of book*
†Nichol-Straight Fdy. Co., 319 Austin av
*Nichols Geo. P. & Bro. (R. R. & Special Mach., etc), 2139 Fulton
*Norman C. Erwin & Co., 18 W Kinzie
*See adv index at end of book*
*Northwestern Electric Co. (Electrical Repairs), 408 S Hoyne av
†Northwestern Foundry Co., 662 W 12th
*Nye Steam Pump & Machy. Co., 701 N Western av
*Nye Tool & Machine Works (Mechanical & Electrical Machy.), 108 N Jefferson
*O'Leary Arthur J. & Son Co. (Iron & Steel Articles), 65th & S 57th av
*Olsen & Tilgner Mfg. Co. (Brewers' & Maltsters' Machinery), 2280 Elston av
*†O'Malley-Beare Valve Co., Ry. Exchange bldg
*Orton & Steinbrenner Co. (Cranes, etc.), 610 S Dearborn.
*Ostrander-Seymour Co. (Printing Machinery), 7 S Dearborn
*†§Otis Elevator Co., 1501 W 15th
*Paragon Mfg. Co. (Laundry Machinery), 2427 W 14th
†Paragon Metal Co.
*§Paragon Metal Co. (Brass & Bronze Castings, etc), 3058 S Ashland av
*Parish Supply & Mfg. Co., 2868 Quinn
*Parmelee Tool Co., 2515 W Monroe
*Partridge Edw. O., 2047 Lake
*§Payson Mfg. Co., 2918 W Jackson blvd
*Peerless Electric Co. (Electrical Repairs), 550 W Harrison
Peerless Tool Co., 208 S La Salle
*Pelouze Mfg. Co. (Scales, etc.), 232 E Ohio
*Perkins Chas. Co. (Bookbinders' & Printers' Machinery), 132 S Clinton
*†Perrin Wm. R. & Co. (Filter Presser and Hydraulic Presses), 37 W Van Buren
*†Pettibone, Mulliken & Co. (R. R. Frogs, Crossings, Switches, etc.), 140 S Dearborn
†Phoenix Foundry Co. (Sash Weights, etc.), 1455 S Jefferson
*†Pilsen Foundry & Iron Works, 1530 W 22d
*†Plamondon A. Mfg. Co. (Power Transmitting Machy., etc.), 12 N Clinton
*Plunket Jas. E. (Drill Press, Milling Machine Vises, Gas Engines, etc.), 1345 W Lake
*See adv index at end of book*
*Pollak Steel Co., 3044 98th
*Pollard Engineering Co. (General Machinists' Punches, Dies & Presses, etc.), 169 N Jefferson
*Pondelick Bros., 215 S. Leavitt
*Pratt Henry Co., 2222 S Halsted
*†§Pratt Wm. E. Mfg. Co. (Malleable Iron Castings, etc.), 35 W Lake, Works: Joliet, Ill.
*Precision Metal Workers, 3100 Carroll av
*†Pridmore Henry E. (Molding Machines), 1901 S Rockwell
*Prince Elevator Co., 231 W Grand av
*Pringle & Brodie (Woodworking Machinery, etc), 514 S Canal
*Printers' Chase & Machine Works (Special Machy.), 159 N Jefferson
*Progress Machine Works (Hydraulic Presses), 512 N La Salle av
§*Pullman Co., 79 E Adams
*†§Pullman Co. (Car Builders, etc.), Pullman bld. Works: West Pullman, Chicago.

†§•Pyle-National, 1334 Kostner av
•†Pyott Foundry Co., 328 N Sangamon
•Quadriga Mfg. & Specialty Co. (Special Machy.), 213 W Grand av
*See adv index at end of book*
•Railroad Supply Co. (Railroad Specialties), 203 S Dearborn
•†Railway & Mine Supply Co., McCormick bldg
†•Railway Materials Co., Railway Exchange bldg
•§Railway Steel Spring Co., 108th & Watt
•Rebsamen & Almeroth (Brewers' Machinery), 2324 Elston av
•Rebuilt Typewriter Co. (Typewriters Rebuilt), 138 S Wabash av
•†Reder Foundry Co. (Mach & Builders' Castings), 3536 S Oakley av
•Redington F. B. Co. (Special Machy., Gears, etc), 112 S Sangamon
•†Reedy Foundry Co., 4600 Iowa
•Reichel & Drews (Special Machy.), 559 W Lake
•Reliance Elevator Co. (Elevators, etc), 212 W Austin av
†Rempe Co. (Cast Iron Pipe & Coils), 341 N Sacramento av
•Rich Fdry. Equipment Co. (Core Making Machines, etc), 2528 W 48th pl
•†§Riverside Iron Works, 106th & Buffalo
•†Roos Henry Fdry Co., 1749 Ballow
•Roth Bros. & Co. (Dynamos & Motors & Electric Drivers), 1400 W Adams
•Rouse H. B. & Co. (Printers' Tools, etc.), 2214 Ward
•Rowe Jas. (Book Trimming Machy.), 1058 W Harrison
•§Ryan J. J. & Co. (Brass Founders & Finishers), 100 S Jefferson
•Saal H. G. Co. (Dies & Tools), 1810 Montrose
•Sandberg Adolph L. (Sand Forging, etc.), 222 S Clinton
•Sargent E. H. & Co. (Laboratory Apparatus, etc.), 155 E Superior
•†Satisfaction Guaranteed Corp., 659 Fulton
•Savage Bros. Co. (Confectioners' Machinery), 2638 Gladys av
•Scaar Frank & Co. (Architectural), 1042 W 11th
Scalbom Mfg. Co., 11 So Desplaines, Chicago, Ill.
*See adv index at end of book*
•Schindler A. J. Co. (Machinery), 1314 W 21st
•§Schlangen Bros. Co. (Brewers' & Special Machy.), 2435 Irivng Park blvd.
•Schultz A. L. & Son (Power Transmitting Machy.), 1675 Elston av
•Schultz Richard A., 213 Institute
•Schultz Walter L., 6432 Nordica av
•Schureman J. L. Co. (Elec. Specialties), 122 S Michigan av
†Semi-Steel Test Foundry Co., 4916 Bloomingdale av
†•Sheffield Foundry Co. (Iron Fdrs.), Clybourn av & Herndon
Sherman-Klove Co., 4538 W Harrison
•Shone Co. (Ejectors), 231 Institute pl
•Sim Geo., 421 S Clinton
Skinner N. B. Co. (Steam Specialties & Boring Machines for Electric Wiring), 562 W Washington
•Smallbone Mfg. Co. (Sewing Machine Parts, etc), 1821 Berteau
§Smeeth-Harwood Co. (Bronze & Copper Castings for Blast Furnaces), 2401 W 22nd
†Smith Chas. Co. (Furnaces, etc.), 57 W Lake
•Smith F. H. Mfg. Co. (Hand & Foot Power Riveting Machines, etc.), 3047 Carroll av
•†§**SMITH F. P. WIRE & IRON WORKS** (Builders' Iron Work & Iron & Bronze Castings), 2340-48 Clybourn av
*See adv index at end of book*
§Smith Paul, 564 W Randolph
•Smith & Phillips Mfg. Co. (Woodworking Machinery)., 1008 W Madison
•Smurr & Kamen Machine Co. (Wire Crimping, Cutting & Counting Combined Machines, etc.), 328 N Albany
•†South Halsted Street Iron Works (Fdrs. & Bldrs.' Iron Work), 2607 S Halsted
•†§Sprague Canning Machy. Co. (Canning Machinery, etc.), 222 N Wabash av
•Stafford Mfg. Co. E. H., 218 S Wabash av
•Standard Car Truck Co. (Car & Locomotive Trucks, etc.), 332 S Michigan av
•Standard Coupler Co., 122 S. Michigan
•Standard Diamond Drill Co. (Diamond Core Drills), 38 S Dearborn
•Star Brass Works (Whitewash Machines, Finishers, etc.), 3129 Carroll av *See adv index at end of book*
•Staver Carriage Co. (Feed Mills, Carriages, etc.), 76th & Wallace
•Stecher Chas. Co. (Canners' Machy.), 1580 Crossing
§Stewart Mfg. Corp., 4535 Fullerton av
•§Stewart-Warner Speedometer Corp. (Speedometers, etc.), 1826 Diversey Parkway
Stierlin Machine & Die Works, 625 W Jackson Blvd
§Street & Kent Mfg. Co. (Brass Fdrs., Plumbers' Brass Specialties), 549 Fulton
•Strohm W. A. & Bro. (Bicycles & Novelties), 1612 W Lake
•§Stromberg Motor Devices Co., 68 E 25th
•Strube Machine Works (Machinists, Special Machinery), 337 W 25th
•Sullivan Machinery Co. (Rock & Diamond Drills), Peoples Gas bldg
•Superior Machine & Boiler Works (Machinists), 848 W Superior
•Surerus & Greenhill (Milling Cutters, etc.), 502 W Division
•Swenson Evaporator Co. (Evaporating & Chemical Machy.), 58 W Jackson blvd
†Tarrant Foundry Co. (Iron Fdrs., Light & Heavy Grey Iron Castings, etc), 373 W Grand av
Tarrant Robt. (Marine Engines, etc.), 323 W Illinois
Templeton Kenly & Co. (Ltd.) (Track Jacks, etc), 1020 S Central av
•Thomas Elevator Co. (Hod Hoisting Machinery, etc.), 20 S Hoyne
•Toles W. C. Co. (Special Machinery & Vises), 4034 N Tripp av
•Traub W. F. Range Co. (Steel Ranges), 231 W Superior
•Trini A. & Co., 557 W Adams
•Troy Laundry Machinery Co. (Ltd.) (Laundry Machinery), 23d & La Salle
•†Union Foundry Works (Iron Founders & Builders' Iron Works), First Natl. Bank bldg
•Union Special Machine Co. (Sewing Machines), 400 N Franklin
†Union Stock Yds. Fdy. Co.
•†Union Wire Mattress Co., Blackhawk & Cherry
•United Mfg. & Distributing Co., 536 Lake Shore Drive
•U. S. Ball Bearing Mfg. Co. (Ball Bearings), 4535 Palmer
•U. S. Bottlers' Machinery Co., 2511 Park
•U. S. Slicing Machine Co., 189 N Dearborn
•Universal Type Making Machine Co. (Type Casting Machines), 732 Federal
•†Variety Mfg. Co., 2958 Carroll av
•Venn-Severin Machine Co., 1317 W North
•†Vierling Steel Works (Founders & Bldrs' Iron Works), 313 W 23d
•†Vulcan Iron Works (Fdrs. & Machinists Pile Driving Machinery, etc), 327 N Irving av
•Wachs E. H. Co., 1525 Dayton
•Wahl Co. (Adding Machines, etc), 1800 Roscoe
•Walsh Press & Die Co. (Presses, Dies, Special Machinery, etc.), 4709 W Kinzie
•Walworth A. O. & Co., 30 S Clinton
•Watling Mfg. Co. (Coin Operating Machines), 1029 W Adams
•Weber Bros. Metal Works, 108 N Jefferson
•Webster Mfg. Co. (Gas, Gasoline & Petroleum Engines), 332 S Michigan av
•§Weir & Craig Mfg. Co. (Steam Specialties, etc.), 6316 Wentworth av
•†Welch E. J., Fdry. Co. (Brass & Iron Castings, etc.), 24th & Wallace
•†Weller Mfg. Co. (Elevating & Conveying, Grain Elevator, Power Transmitting Machinery, etc.), 1856 N Kostner av
•Wells F. C. (Repairs on Pumps), 101 S Clinton
•Westerlin & Campbell Co. (Refrigerating Machy.), 26 N Clinton
•§Western Brass Mfg. Works (Brass & Bronze Hardware, Plumbers' Brass Goods & Brass & Composition Castings), Marshall blvd & W 21st
†§•Western Elec. Co., 500 S Clinton
†Western Foundry Co. (Iron Fdrs., Soft Grey Iron Castings), 3634 S Kedzie av
•†§Western Steel Car & Foundry Co. (Steel Cars & Castings), Peoples Gas bldg
†•White Brass Castings Co. (Die Moulded Castings), 1656 Austin av
†§•Whiting Foundry Equipment Co. (Fdy. Equipment, Electric Cranes, etc.), 157th & Halsted
•Whiting Geo. Co. (Punching & Shearing Machy.), 1719 Elston av
•Wilcor Mfg. Co. (Spinning Lathes, etc.), 4824 W Lake
•†§Winslow Bros. Co. (Ornamental), 4600 W Harrison
•Wirebounds Corp., 1001 W Washington
•†§Wolff Mfg. Co. (Iron & Brass Fdrs., Plumbers' Supplies, Cast Iron Pipe & Plumbers' Brass Goods, etc.), 255 N Hoyne av
•Wood Morris & Son (Moulding & Carving Machines), 5108 W Lake
•Woodlawn Repair Co., 6132 Cottage Grove av
•Woods Motor Vehicle Co., 2515 Calhuall
•Wrigley Thos. Co. (Printing Presses & Special Machinery), 504 Sherman
Yeomans Bros. Co. (Electric Pumping Machy.), 1433 Dayton
•Zoeller Wm. Co (Machinist), 325 N Curtis

CHICAGO HEIGHTS—•†Allen Edgar
American Manganese Steel Co.
•Ayer Fred H. Mfg. Co. (Electrical Appliances, etc.)
•†Canedy-Otto Mfg. Co. (Anvils, Vises, Forges, Blowers, Drills, etc.)
•§†Chalmers Williams Mfg. Co.
•Funk Bros. Mfg. Co. (Miners' Tools & Supplies, etc.)
•Inland Steel Co. (See Chicago, Ill.)
•Kennicott Co. (Water Softeners, etc.), 134 S Lasalle
†McDowell Fdry. Co. (Iron Founders, etc.)
•Morden Frog & Crossing Works (See Chicago, Ill.)
•†Quaker Mfg. Co.
†•Temple Mfg.
•Wood, Smith & Co. (Carriage & Wagon Axles, etc.)

CHILLICOTHE—•Slinn H. H.
CICERO—•Coonley Mfg. Co. (Tinware Mfrs., etc.)
†Crown Stove Works. Office: Chicago, Ill.
•Hurley Machine Co.
CISSNA PARK—†Gerard Michael
CLAYTON—•†Birkett A. S.
COBDEN—•Ede G. A. (Machinist)
COLLINSVILLE—•†Bernhardt, Niehaus & Co.
•†Blum Mfg. Co. (Stock Bells, etc.)
CONCORD—•Rayborn J. J.
COULTERVILLE—•†§Bouas E. & Sons
DANVILLE—•†Allith-Prouty Co. (Door Hangers, etc.)
Chesley Bros. (Boiler Repairs)
Chesley J. L. (Boiler Repairs)
•†§Danville Foundry & Machine Co. (Brass & Iron Castings, Mine Car Wheels, etc.)
†Danville Malleable Iron Co.
•Fairhall Joseph Jr.
†•Holmes Robert & Bros. (Mine Hoists, etc.)
*See adv index at end of book*
•Scherer Machine Co.
DECATUR — •Beall Improvement Co. (Flour Mill Machy.)
•Bold, Wm. M. (Machinist)
•Brett Wm. P. (Machinist)

ILLINOIS—Decatur—continued
*Chambers, Bering, Quinlan Co. (Steel Slack Barrels, etc)
*Curtis Truck & Forging Co. (See Chicago, Ill.
†Decatur Fdry. Co. (Grey Iron Castings)
*§Faries Mfg. Co.
*Hartley C. J. Co. (See Peoria, Ill.)
§Mueller H. Mfg. Co. (Tapping Machines, Water, Plumbing & Gas Brass Goods)
*Oakes W. L.
*Specialty Mfg. Co. (Pencil Sharpeners)
*†Stevens Mfg. & Foundry Co. (Agr'l Implements & Iron Castings)
*†Union Iron Works (Grain Cleaning, Power Transmitting & Flour Mill Machy., etc)
De KALB—*Kohler Die & Specialty Co. (Tools, Dies, Presses, Special Machy., etc.)
*†Standard Foundry & Mfg. Co.
DES PLAINES—†*Garland Mfg. Co.
DIXON—†Grand Detour Plow Co. (Agr'l Implts., Plows, etc.)
DOWNERS GROVE—*Dicke Tool Co. (Linemen's Construction Tools, etc.)
*§Hawkins H. J.
DU QUOIN—*†Blakeslee Mfg. Co. (Steam Pumps, etc.)
EAST MOLINE—*†§Fairbanks E. & T. & Co.
*†Marseilles Works of Deere & Co. Agricultural Implements, etc)
*†Root & Van Der Voort Engineering Co. (Gas & Gasoline Engines, etc.)
†§Union Malleable Iron Co. (Malleable Castings)
EAST ST. LOUIS—*†American Pulverizer Co. (Pulverizing Machinery, etc.)
*†American Steel Foundries
*Elliott Frog & Switch Co. (Frogs, Switches, Railroad Specialties, etc.), 301 S Main
*†Excelsior Tool & Machine Co. (Punches, Shears, Castings, etc.), 32nd & Ridge
*Missouri Bridge & Iron Co.
*Railway Steel Spring Co.
EDWARDSVILLE—*Bernhardt Manufg. Co. (Agricl. Implts.)
*Desmond M. Mfg. Co. (Steel Trucks & Cars)
*§Edwardsville Brass Co. (Brass Fdrs. & Plumbers' Brass Goods)
§Leclaire Mfg. Co. (Plumbers Supplies)
†*U. S. Radiator Corp.
EFFINGHAM—*Alt Fred
ELGIN—*Elgin Brass & Electrical Mfg. Co.
†§Elgin Brass Fdy. Co.
*Elgin Gas Engine & Machine Co.
*†Elgin Manufg. Co. (Condensed Milk Machy.)
*Elgin Metal Novelty Co. (Piano Players' Hardware & Fine Machinery)
*Elgin National Watch Co. (Watches & Metal Cases)
*Elgin Tool Works (Special Machy.)
*Elgin Wheel & Engine Co. ("Redemotors" Small Gasoline Engines)
*Elgin Wind Power & Pump Co.
*§Moody Chas. J.
*Moseley Lathe Co. (Bench Lathes)
*†Woodruff & Edwards Co. (Coffee Mills & Grey Iron Castings, etc.)
EVANSTON—*†Comstock A. S. (Air Pumps, Gas Forges, etc.)
*§Mark. Mfg. Co. (Artesian & Tubular Well Specialties, etc.)
*Symons Bros Co.
FAIRFIELD—*Heidinger Frank (Machinist)
FILLMORE—*Whitten & Ludewick
FRANKLIN PARK—*Franklin Park Foundry Co. (Malleable Iron Fdrs.)
FREEPORT—*†§Arcade Mfg. Co. (Molding Machines, etc.)
*Bloom-Burns Manufg. Co. (Manure Spreaders)
§Freeport Brass Foundry
*Freeport Gas Machine Co. (Gas Engines, etc.)
*Freeport Motor Co. (Jobbing)
*Hoefer Mfg. Co. (Machine Tools, etc.)
*Jastram Fred'k (Gasoline)
*†Rawleigh W. T. Co. (Gasoline Engines, Grey Iron Castings, Windmills, etc.)
†*Rawleigh Mfg. Co.
*Schofield & Co. (Potato Planters, etc.)
*Severence Gas Machine Co. (Gas Machines)
*Ulfers Mfg. Co.
*†Woodmanse Mfg. Co. (Pumping & Power Steel & Wooden Windmills & Iron & Brass Fdrs.)
FULTON—†Chicago Stove & Range Co.
†Mississippi Valley Stove Wks. (Stoves, etc.)
GALENA—*†§Galena Iron Works Corp. (Iron Founders & Mining Machinery, etc.)
*†Westwick Jno. & Son (Iron Fdrs., Steam Engines, Furnaces, etc.)
GALESBURG—†Frost Mfg. Co. (Steam Engines, Boilers, Dry Pans, etc.)
*†Galesburg Machine Works (Grey Iron Castings & Jobbing Machinists)
†Galesburg Malleable Castings Co. (Grey Iron & Malleable Iron Castings)
*Galesburg Writing Machine Co. (Typewriters, Adjustaphones, etc.)
*May Bros. (Windmills, etc.)
*Robson Manufg. Co. (Automobile Parts)
†Shaw, Welsh & Co.
*†§Walton-Van Huffel Mfg. Co. (Grey Iron Castings & Jobbing Machinists)
*†§Wenzelman Mfg. Co. (Farm Elevators & Wagon Dumps)
GALVA—*Galva Heater Co. (Steam Heaters & Corn Planters)
†§Hayes Pump & Planter Co. (Pumps, Cultivators, Planters, etc.)
*†Wistrand Mfg. Co. (Pumps, Corn Planters, etc.)
GENEVA—*Burgess & Norton Mfg. Co. (Hdw. Specialties, Ball Bearing Axles, etc.)
†Geneva Fdy. & Mach. Co.
*†Howell W. H. Co. (Sad Irons, etc)
GIBSON CITY—*†Gibson Iron Works (Radiators & Iron Fdrs.)
GRAFTON—*Rippley Mfg. & Steel Boat Co. (Steam Feed Cookers, Sprayers & Metal Boats)
GRANITE CITY—*†American Steel Foundries (Steel Cars, Trucks & Castings). (See Chicago, Ill.)
*†Commonwealth Steel Co. (Steel Castings, Car Trucks, etc.). (See St. Louis, Mo.
*Hoyt Metal Co.
*National Enameling & Stamping Co (See New York City)
GREENVILLE—*Kruger Philip J. (Machinist)
HARRISBURG—†§*Harrisburg Fdy. & Mach. Shop
HARVEY—*American Stove Co. (of St Louis) (Stoves, Steel Ranges, etc.)
*Austin Mfg. Co. (See Chicago)
*Bliss & Laughlin (Key Seating & Shafting)
*†§Buda Co. (See Chicago)
*†§Calumet Foundry Equipment Co (Fdry. Equipment)
*Chicago Steel Car Co.
*†Dee Wm. E. Co. (Sewer Pipes)
*Hotchkiss, Blue & Co. (See Chicago, Ill.)
†*Hunt, Helm, Ferris & Co.
†Koch Bros.
*§Pettigrew Foundry Co (Iron Castings, Machinists' Pattern Makers)
*Strang Engine Co. (Gas, Gasoline & Kerosene Engines)
HAVANA—*Crescent Forge & Shovel Co. (Shovels, etc.)
*†§Havana Mfg. Co. (Gas Engines, etc.)
†Havana Metal Wheel Co. (Metal Wheels, etc.)
*Perkins Bros. (Gas Engines, etc.)
HIGHLAND—Lentwiller Bros. (Machin-
HINCKLEY—*Davis L. E.
HOOPESTON—*Green John & Sons (Job-
*†§Sprague Canning Machinery Co.
†§Vermilion Malleable Iron Co.
JACKSONVILLE—†§Bambrook A. W.
*Illinois Steel Bridge Co.
†§Jacksonville Fdy. Co.
*Kellogg Bros. & Co. (Machinists)
JOLIET—*†§Bates Machine Co. (Steam Engines & Wire Mill Machy., etc.)
*†Buckeye Engine & Foundry Co. (Gas & Gasoline Engines, etc.)
*†Champion Machinery Co. (Bakers' Machinery, etc.)
*Ditto G. M. (Agrl. Implements)
*Hardy Wallace L. (Machinist)
*†Humphrey & Sons (Wire Mill Machinery)
*†§Illinois Steel Co. (See Chicago)
†Joliet Fdy. Co.
*†Joliet Mfg. Co. (Corn Shellers, etc.)
*Makutchan Roller Bearing Co.
*Moore Bros. Co. (Stoves, etc.)
*†§Pratt Wm. E. Mfg. Co. (See Chicago)
*Van Fleet Mfg. Co.
KANKAKEE—*†§Beaumont Valve & Hydrant Works (Valves, Hydrants, etc.)
†Kankakee Foundry Co.
*Pratt Edwin & Sons
*Soper Geo. E.
*Tait Mfg. Co. (Machinery, etc.)
KEWANEE—*Demmier Wm. & Bro. (Fdry. Plant Machinery, etc.)
†*Kewanee Boiler Wks.
*Kewanee Private Utilities Co. (Gasoline Engines), West Side
*†§Peters Pump Co. (Agrl. Implts., Pumps, etc.)
LADD—*Erickson Andrew L.
LA GRANGE—†La Grange Fdy. Co.
LA SALLE—*La Salle Machine & Tool Co. (Surface Grinders)
*Western Clock Mfg. Co. (Clock Mfrs., etc.)
LEMONT—*§Illinois Pure Aluminum Co.
LEROY—*Jones Chas. D. (Machine)
†§*Myers C. H.
LIBERTYVILLE—*Laycock W. Co. (Engines, etc.)
LINCOLN—*†Iles Edw.
*Mohn H. (Machinist)
LITCHFIELD—*†American Radiator Co. (See Chicago)
*†Litchfield Fdry. & Machine Co. (Machinery & Grey Iron Castings)
LOCKPORT—*§Barrows Lock Co.
McHENRY—*Engeln M. & Son
MACOMB—*†Fisher A. (Fdry. & Machinist)
MADISON—*†§American Car & Foundry Co. (See St. Louis, Mo.)
MARENGO—*†Marengo Foundry & Machine Co. (Gas Engines, etc.)
MAROA—*Maroa Mfg. Co. (Agrl. Implts., Car Loaders, etc.)
MARSEILLES—*Goodell J. H. & Son
*Marseilles Harrow Mfg. Co. (Harrows, etc.)
*†O'Neil T. L. (Agricultural Implements, etc.)
MARTINSVILLE—*Rowe M. A. (Machinist)
MASCOUTAH—*Schnebelin Fred (Jobbing)
MATTOON—*†Chuse Engine & Mfg. Co. (Engines, Fdrs., Machinists, etc.)
*Clark H. W. Co. (Meter Boxes & Water Appliances)
*Thatcher Bros.
MELROSE PARK—†National Malleable Castings Co. (See Cleveland, O.)
†*Am. Brake Shoe & Fdry. Co.
MENDOTA—*Black Mfg. Co.
*†§Mendota Mfg. & Transfer Co.
*Tower J. D. & Sons Co. (Agrl. Implements)
MOLINE—*†Barnard & Leas Mfg. Co. (Flour Mill & Grain Elevator Machinery)
*Borg & Beck Co. (Woodworking Machinery)
*†Cooper H. W. Saddlery Hdw. Mfg. Co. (Malleable Iron Castings)
*†Deere & Co. (Agrl. Implts.)
*†Moline Foundry Co. (Grey Iron Castings)
*†Moline Plow Co. (Agrl. Implements, Plows, etc.)
*†Moline Tool Co. (Gang Drills)
*Montgomery Elevator Co. (Elevators)
*§Schmidt Joseph (Brass Fdry.)
*Sechler D. M. Implement & Carriage Co.
*§Western Pattern & Mfg. Co.
*†Williams, White & Co. (Heavy Machy.)
MONMOUTH—*†Maple City Furnace Co. (Furnaces, etc)
*Milne Mfg. Co. (Stump Pullers, etc.)
*Monmouth Plow Factory (Plows, Cultivators, Harrows)
*†§Pattee Plow Co. (Agrl. Implts., Plows, etc.)
MORRIS—*†§Coleman Hardware Co. (Door Hangers, etc.)
†Ill. Fdy. & Specialty Co.
MORRISON—*Illinois Refrigerator Co.
†Summit Stove Wks.

MOUNT VERNON—*†Mount Vernon Car Mfg. Co. (Car Builders, Car Wheels, Castings, etc.)
MURPHYSBORO—*†§Egyptian Iron Wks. (Iron & Brass Castings, Mine Cars, etc)
NAPERVILLE—*Goetsch & Son (Plows, etc.)
NEW ATHENS—*†Auto Stove Works (Stoves, etc.)
§*Biever Mfg. Co.
NORTH AURORA—§*Biever Mfg. Co.
†Sperry D. R. & Co. (Filter Presses, Evaporators, Vacuum Pans, etc.)
NORTH CHICAGO—*†§Chicago Hardware Fdry. Co. (Light Grey Iron, Brass & Aluminum Castings, etc., Gas Engines, etc.)
†North Chicago Brass Wks.
*North Chicago Machine Co. (Gas Engines, etc.)
O'FALLON—*†§Willard Wm. G. (See St. Louis, Mo.)
OREGON—*American Lock Nut & Tool Co. (Lock Nuts, etc.)
†Paragon Fdries. Co. (Piano Plates)
OTTAWA—*†§Knowles W. H. Foundry & Machine Co. (Builders' Iron Work & Castings)
*†§Porter J. E. Co. (Stable Fittings)
*Stewart Bros. (Testing Instruments)
PARIS—*§McGuire-Cummings Mfg. Co. (See Chicago)
*†Reese F. W.
*Robertson J. L. Machine Co.
PEKIN—*†§Duisdieker Fdry. & Mfg. Co. (Machinists & Iron Fdrs.)
*Pekin Engine & Machine Works
*Pekin Wagon Co. (Wagons, etc.)
PEORIA—*†§Acme Harvesting Machine Co. (Agrl. Implts.)
*Armstrong Jas. C. Machine & Fdry. Co. (Gears, Pinions, etc.)
*†Bartholomew Co. (Coffee & Peanut Roasting Machines
*Black-Woods Mfg. Co.
*§Brass Foundry Co. (Brass Fdrs. & Machinists)
†*Cutler & Proctor Stove Co.
*Electrical Testing Co. (Repair Meters, etc.)
Fischbash Manufg. Co. (Gasoline Engines)
*Hagerty Bros. Co.
*†Hart Foundry Co.
†Hart Grain Weigher Co. (Grain Weighers, etc.)
*Hartley C. J. Co. (Pumps). Works: Decatur, Ill.
*Herschel R. Mfg. Co. (Agrl. Implts.)
*†Holt Mfg. Co. (Caterpillar Tractors & Harvesters & Engine Machy.)
*Illinois Electric Mfg. Co.
*§Illinois Pump & Brass Co. (Lifts & Pumps, etc.)
*King Light Co. (Gasoline Lamps, Stoves, etc.)
*§Kinsey & Mahler Co. (Steam Specialties & Plumbers' Brass Goods.
*Kramer Automatic Tamper Co. (Concrete Tampers, etc.)
*Meyer Furnace Co.
*Nelson, L. R.
*†Nichols & Stepard Co. (See Battle Creek, Mich.
*Oltmanns, Schmidt & Co. (Ornamental Iron Work, etc.)
*Peoria Coal Drill Works (Coal Drills)
*†Peoria Drill & Seeder Co. (Agrl. Implts.)
†Peoria Foundry Co., (Iron Fdrs, Bldrs' Grey Castings, etc.)
*Pfundstein S. Tool Works (Stone Cutters' Tools, etc.)
*Schneider & Metzger (Machinists)
*Sester Manufg. Co. (Seeders)
*Smith E. M. & Co.
*Tichenor F. C. Gear Works (Gears & Pinions, etc.)
PERU—*†Brunner Machy Co. (Gas Engines, Scales & Castings)
*Peru Plow & Wheel Co. (Agrl. Implts., Plows, etc.)
PLANO—†*Independent Harvester Co.
PONTIAC—*Meadows Mfg. Co. (Agricultural Impits, Washing Machines, etc.)
*†Spartan Mfg. Co. (Grey Iron Castings, Feed Mills, etc.)
PRINCETON—*Evans & Coppins Co. (Ball Bearing Axles, etc.)
PROPHETSTOWN—*Eclipse Lawn Mower Co. (Lawn Mowers, etc.)
QUINCY—*Berghofer—Mitchell Co. (Steel Ranges)
*†§Bush Foundry & Metal Wheel Co. (Metal Wheels & Castings)
†Channon-Emery Stove Co. (Stoves, etc.)
*Clough Concrete Construction Co. (Concrete Machinery)
*Collins Plow Co. (Agricultural Implts.)
†Comstock-Castle Stove Co. (Stoves & Ranges)
*†Dayton-Dowd Co. (Centrifugal Pumps, etc.)
*†ELECTRIC WHEEL CO. (Metal Wheels, Cars, Carts, etc), Station D
*See adv index at end of book*
*Empire Mfg. Co. (Metal Wheels)
*Ertel Geo. Co. (Hay Presses, etc.)
*†§Gardner Governor Co. (Air Compressors, Steam Pumps, etc.), 23 Williamson
†§Gem City Stove Mfg. Co. (Stoves, Heaters & Furnaces)
*Hollister-Whitney Co. (Elevators, etc.)
†La Grange Foundry Co. (Castings)
†Lahan Stove & Mfg. Co. (Stoves, etc.)
*†Little J. R. Metal Wheel Co. (Steel Wheels for Agricultural Implements)
*§Modern Iron Works (Plumbers' Cast Iron & Brass Specialties, etc)
*†Otis Elevator Co.
†§Quincy Casting Co.
*Quincy Elevator Gate Co. (Elevator Gates, etc.)
†Quincy Foundry & Novelty Co. Stoves, etc.)
*Quincy Motor Co. (Gasoline Engines)
†§Quincy Stove Co. (Stoves)
†§Reese W. J., Brass Fdy. Co.
†Sheridan Stove Mfg. (Stoves, etc.)
*Travilla M. (Stoves, etc.)
*§Van Doorn Co. (Ornamental Iron & Brass Work & Brass Castings)
†White Thos. Stove Co. (Stoves)
*Wiebmer Anton (Jobbing)
†Wurst C. H. Co. (Stoves)
ROCHELLE—†Whitcomb Geo. D. Co. (Mining Mach'y, Stopcock Valves, etc.)
ROCK FALLS—*Eureka Co. (Working Machines)
*†Sterling Mfg. Co. (See Sterling, Ill.)
*Superior Machine Co. (Washing Machines)
*Ulrich Mfg. Co.
ROCKFORD—*Atwood Vacuum Cleaner Co. (Vacuum Cleaners)
*†Barnes Drill Co. (Machine Tools)
*†Barnes W. F. & Jno. Co. (Mach. Tools & Woodworking Mach'y)
*Billstrom Nels J. (Gluing Clamp Corners, etc.)
*Burson Manufg. Co. (Knitting Machines)
*Dickenson H. G. (Jobbing Machinist)
†*Dobson Mfg. Co.
*§Eclipse Gas Stove Co. (Gas Stoves & Ranges)
*†§Emerson-Brantingham Co. (Agrl. Implts., Mowers, Plows, Cultivators, Traction Engines, etc.)
*Ford Mfg. Co. (Agricl. Implts.)
*Forest City Bit & Tool Co. (Boring Tools, etc.)
*Forest City Machine Co. (Jobbing)
*†Free Sewing Machine Co. (Sewing Machinery)
*†Greenlee Bros. & Co. (Woodworking Mch'y)
*Houston Mfg. Co. (Vacuum Cleaners)
*Ingersoll Milling Machine Co. (Mach. Tools)
*Jackson Mfg. Co. (Washing Machines)
*†Love M. A. Mfg. Co. (Pumps, Castings, etc.)
*Marsh H. C. Co. (mitre boxes)
*Mattison C. Mach. Wks. (Wood Working Machinery)
*Mechanics Machine Co.
*National Lock Co.
*Redin, Ekstrom & Co. (Piano Action Machinery, etc.)
Redin Jno. E. (Cutter Heads, etc.)
*Rockford Lathe & Drill Co. (Engine Lathes)
*†Rockford Drilling Machine Co.
*†Rockford Iron Works (Power Presses)
*Rockford Lathe & Drill Co. (Engine Lathes)
*Rockford Machine Tool Co. (Machine Tools, etc.)
*†§Rockford Malleable Iron Works Inc.) (Malleable Iron & Air Furnace Castings)
*†Rockford Mfg. Co. (Agrl. Implts., Plows, Harrows, etc.)
*Rockford Milling Machine Co. (Hand Milling Machines)
*Rockford Tool Co. (Machine Tools)
*Rockford Watch Co. (Watches, etc.)
†*Rock Island Plow Co.
*Savage & Love Co. (Jobbing, etc.)
*Star Bit & Tool Co. (Wood Boring Tools, etc
†Tolleson T. E. Fdy. Co.
*†Trahern Pump Co. (Pump, Castings, etc.)
*†Union Foundry & Machine Co. (Grey. Iron Castings, etc.)
*†§Ward Pump Co. (Pumps, Castings, etc.)
*Whitacre J. E. Mfg. Co. (Gas Machines, etc)
*Woodward Governor Co.
ROCK ISLAND—*†§Blake Specialty Co.
*Bliesener W. J. (Dies & Tools)
§Blake Specialty Co. (Plumbers Supplies)
*Davis Machine Shop
*Electric Construction & Machinery Co.
*Gearless Automatic Pump Co.
*Griswold Manufg. Co. (Slot Machines)
*†Rock Island Mfg. Co. (Grey Iron Castings, Bench Vises, etc.)
§Rock Island Metal Foundry (Aluminum, Automobile, Brass & Bronze Castings), 585 51st
†§Rock Island Stove Co. (Stove Mfrs.)
*†§U. S. Arsenal (Fdry. Dept.)
ST. CHARLES—*§Crown Electrical Mfg. Co. (Chandeliers, Bicycle Chains, etc.)
*Faultless Iron Works (Steel Ranges, etc.)
*†§Glenn Fred E. (Cast Iron Soil Pipe & Plumbers Iron & Brass Specialties)
Jensen-Kohlert Mfg. Co.
†Moline Malleable Iron Co.
SALEM—*Merz N & Son
SANDORAL—†§Sandoral Brass & Iron Wks.
SANDWICH—*Hinman D. A. & Co. (Angle Benders, etc.)
†§*Sandwich Mfg. Co.
*†Sandwich Mfg. Co. (Agrl Implts, Harvesters, Mowers, etc.)
SAVANNA—*Oyster L. A. (Agrl. Implts.)
SHAWNEETOWN—*†§Quick James W.
SHELBYVILLE—*Sturgis W. B. & Sons (Plows, etc.)
SIDELL—*Cross & Parham
SPARTA—*Little Giant Punch & Shear Co.
*Sproul Matt Co. (Punches, Shears, etc.)
SPRINGFIELD—*Ansell Oscar (Machinist)
*Bisch Geo. F. (Stoves)
*Bleser Jacob (Machinist)
*†§Fetzer & Co. (Agl. Implts., etc)
†§* Fetzer Wm. Co.
*Haas R. Electric & Mfg. Co. (Electrical Supplies, etc.)
*†Ide A. L. & Sons (Steam Engines, Iron Castings, Machinery)
*Illinois Watch Co. (Watches, etc.)
*Lourie Mfg. Co. (Tire Setters)
*Mussillon J. A. & Bro.
*Otto & Scherf
*Racine-Sattley Co. (Agricultural Implts., etc.)
*Sangamon Electric Co. (Meters)
*Weaver Mfg. Co. (Tools, Chucks, etc.)
STERLING—*Bauder E (Machinist)
*†Charter Gas Engine Co. (Gas Engines)
*Lawrence Bros. (Door Hangers, etc.)
*Meister & Cochran (Radiators, etc.)
*National Mfg. Co. (Door Hangers)
*†Novelty Iron Works (Grey Iron Castings, Fountains, etc.)
*Platt Addison J.
*†Sterling Foundry Co. (Castings)
*†§Sterling Mfg. Co. (Agrl. Implts.)
Superior Machine Co. (Washing Machines)

ILLINOIS—continued

**STREATOR**—*G. & D. Mfg. Co. (Portable Grain Elevators, etc.)
*Graves L. L. (Jobbing)
*†Patch S. B. & Sons Co.
*Press Wells H. Co. (Washing Machines)
SYCAMORE—§*Brass Wk.
TAYLORVILLE—*Hollis N. F. (Machinist)
TINLEY PARK—*Boldt George
TRENTON—*Leutwiler J H
**URBANA**—*†§Leavitt Mfg. Co. (Gasoline Engines, Cement Tile Machines, etc.)
VANDALIA—*Craycroft H. B.
VAN ORIN—*Zimmerlein N (Pumps etc.)
VERMILION—*Downing T. D.
WAUKEGAN—*†American Steel & Wire Co. (See Chicago, Ill.)
*Chicago Recording Scale Co. (Piano Motors, Novelties, etc.)
*Nelson Machine Co.
*§Northern Brass Mfg. Co. (Plumbers Brass Goods)
WEST CHICAGO—*†Union Tool Co. (Oil & Gas Well Machinery & Tools)
WINTHROP HARBOR—*Willard Chas. P. & Co. (Marine Engines, etc.)
WOODSTOCK—*Abbott C. T.
*Griebel E. G. (Machinists)
*§Oliver Typewriter Co. (See Chicago)
XENIA—*Pierce Jno. A. (Machinist)

## INDIANA.

ALEXANDRIA—*Reeves James M. (Agricultural Implts.)
ANDERSON—*Anderson Computing Scale Co. (Computing Scales, etc)
*†§Anderson Foundry & Machine Works (Tin & Brick Machinery & Castings)
Arvac Mfg. Co. (Electric Motors, etc)
*Buckeye Mfg. Co. (Gasoline Engines)
*Computing Cheese Cutter Co.
*Dice Machine Co. (Gasoline Engines)
†§Ideal Mfg. Co.
*§Lambert Gas & Gasoline Engine Co.
†§Lavelle Foundry Co. (Brass Fdrs.)
*Pierce Governor Co.
*Reliable Machine Co. (Gas Engines)
*Remy Electric Co. (Starting, Lighting & Ignition Equipment)
*Reynolds Gas Regulator Co. (Gas Regulators)
†*Standard Brass Fdry.
*†Star Foundry & Machine Works
§*Union Traction Co. of Ind.
ATTICA—§*Brosche & Kenlay, 20th Century Injector & Supply
†National Car Coupler Co. (See Chicago, Ill.
**AUBURN**—*†Auburn Foundry (Small Iron Castings)
*Auburn Machine & Auto Garage (Repairs, etc.)
*Standard Mfg. Co. (Cigar Lighters, Cheese Cutters, etc.)
**AURORA**—*†Aurora Tool Works (Upright Drill Presses, etc.)
*Cheek M. B.
*Stamm Machine Works (Barrel Mach'y)
*†Stedman's Foundry & Machine Works (Crushing & Pulverizing Machinery)
BATESVILLE—*Schott Wm. Machine Shop
BEECH GROVE—†*Shirley Radiator & Fdy. Co.
BEDFORD—*†§Bedford Fdry. & Machine Co. (Derricks, Stone Machy., Brass & Iron Fdrs., etc.)
*Meyers W. F. Co.
BERNE—*Moser A. J. & Co.
BLOOMFIELD—*†Bloomfield Mfg. Co.
*Star Jack Co. (Jacks, etc.)
Union Jack Co. (Jacks, etc.)
BLOOMINGTON—*Fletcher, E. R.
*†§Seward & Co.
BLUFFTON—*†§Grimes Geo. W. Co. (Engines, etc.)
*†Red Cross Mfg. Co. (Oil Well Mach'y)
BRAZIL—†*Brazil Mach. & Fdry. Co.
*†§Crawford & McCrimmon Co. (Machinists' & Founders' Clay Working & Wire Fence Machinery, etc.)
*†§Knight-Brinckerhoff Piano Co.
*†§Shaw Wm. M. Co. (Machinists)
*Wood Turret Machine Co. (Machine Tools, etc.)
BREMEN—†*Am. Radiator Co.
*May William (Machinist)
BUTLER—*†Butler Co. (Windmills, Wind Engines, Pumps, etc.)
CAMBRIDGE CITY—*†Bertsch & Co. (Punching & Shearing, Mach'y, etc.)
†Lehman Mfg. Co.
*National Drill Co. (Cultivators, Grain Drills, etc.)
CANNELTON—*†Lehman Mfg. Co.
CLINTON—*Shattuck R. P.
COLUMBIA CITY—Magley Bros.
COLUMBUS—*†§Caldwell & Drake Iron Works (Iron Fdrs. & Bldrs. Iron Work)
†Columbus Fdy. Co.
*†§Emerson-Brantingham Co. (See Rockford, Ill.)
*Keller C. M. (Coke Crushers)
*Reeves Pulley Co. (Power Transmission Machinery)
CONNERSVILLE—*†Connersville Blower Co. (Pumps, Rotary Blowers, etc.)
*See adv index at end of book*
*†Connersville Blower Co. (Pumps, Rotary Blowers, etc.)
†Hoosier Castings Co.
*Indiana Lamp Co. (Auto Lamps)
*†§Roots P. H. & F. M. Co. (Pumps, Rotary Blowers, etc.)
*§Stant Geo. Machine Works (Brass & Bronze Castings)
*Twentieth Century Mixer Co. (Concrete Mixers)
*United Vacuum Appliance Co. (Vacuum Cleaners)
*Wainwright W. W. & Son
CONVERSE—*†Fink Alexander W.
CRAWFORDSVILLE—*Birch & Birch (Speed Drills, Mach. Box Machinery, etc.)
*Crawfordsville Wire & Nail Co.
*†Lyle & Reynolds
CROWN POINT—†§*Letz Mfg. Co.
DECATUR—*†§Decatur Fdry. Furnace & Machine Co.
†*Famous Mfg. Co.
DUBLIN—*Morgan E. S. (Machinist)
DYER—*Batterman Henry C.
EAST CHICAGO—§*Edward Valve & Mfg. Co.
*†Famous Mfg. Co. (Hay Presses & Gasoline Engines)
*†Green Engineering Co. (Mechanical Stokers, Castings, etc.)
†*Hubbard Steel Casting Co.
†Hubbard Steel Foundry Co. (Steel Castings, etc.)
*†Limbert Geo B. & Co.
*Locomotive Super Heater Co.
*U. S. Reduction Co.
EAST GARY—†§*Gary Fdry. & Mach. Co.
ELKHART—*Angldile Computing Scale Co. (Scales)
§*Buescher Band Instrument Co.
†§Chicago Telephone Supply Co. (Telephone Supplies)
†*Concord Fdy. Co.
§Conn Chas. G., Ltd. (Orchestra & Band Instruments)
*Davis Acetylene Co. (Gas Machines, etc.)
*§Elkhart Brass Mfg. Co. (Brass Goods for Fire Departments, Plumbers, etc.)
*Elkhart Bridge & Iron Co.
*†§Elkhart Foundry & Machine Co.
*Elkhart Iron Works (Grey Iron Castings)
*Foster Machine Co. (Turret Lathes)
*Johnson & Biddle Tool Co.
*Keene Bros. Machine Co.
*†L. S. & M. S. Ry. Shops.
*Lorbough-Jordan Tool & Machine Co. (Special Machinery, Dies, etc.)
§Northern Indiana Brass Foundry Co. (Brass Castings)
*Noyes Carriage Co. (Agrl. Implts. & Carriages)
Sevison Electric Co.
*Strubler Computing Scale Co. (Computing Scales)
*Waterson J. C.
§Williams S. W.
ELWOOD—*†Dawson Chas W. (Machinist & Founder)
*†Elwood Foundry (Grey Iron Castings, etc)
*Elwood Lawn Mower Mfg. Co. (Lawn Mowers)
*Krebs Emil & Son (Glass House Mach'y)
ELWOOD CITY—†*Elwood Fdy. Co.
EVANSVILLE—†Advance Stove Works (Stoves, etc.)
*Anchor Supply Co.
*Bernardin Bottle Cap Co. (Bottlers' Machinery)
*Blount Plow Works (Agrl. Implts., Plows, etc.)
*Clarke Gas Engine Co.
†Crescent Stove Works (Stoves, etc.)
*†Davidson-Dietrich Plow Co. (Plows & Castings)
§Evansville Brass Works
†Evansville Metal Bed Co.
†Evansville Stove Works (Stoves, Ranges & Hollow Wares)
*†Evansville Tool Works (Axes, Hammers, Picks & Castings, Steel)
*Faultless Caster Co. (Casters)
*†§Grote F. Mfg. Co. (Iron Fdrs., Bldrs., Iron Work, etc.)
*Hartig W. F. Plow Co. (Plows, Cultivators, etc.)
§Healey, Peter (Brass Fdry., Plumbers Goods, etc.)
*†Heilman Machine Works (Engines, Saw Mills, Threshers, etc.)
†*Hercules Gas Engine Co.
*†§Holtz Co. (Iron Fdry., Saw Mills, etc.)
†Indiana Stove Works (Stoves, Ranges & Hollow Ware)
*†International Steel & Iron Co.
*Kelsay Newton
*Lindenschmidt Co.
*†Mesker Geo. L. & Co. (Iron Fdrs. & Bldrs. Iron Works)
§*Peerless Tank & Seat Wks.
*Schroeder Headlight & Generator Co. (Headlights & Turbo-generators)
*Smith John C. Hoe & tool Co. (Agrl. Implts., etc.).
†Southern Stove Works (Stoves, Ranges & Hollow Ware)
*Steel Scaffolding Co.
†Vulcan Plow Co. (Plows, etc.)
FORT BRANCH—*†Lintz Henry & Son
FORT WAYNE—*Adams & Taylor Machine Co.
*American Steel Dredge Co. (Steel Dredges)
*†Bass Foundry & Machine Co. (Corliss Engines, Forgings, Iron & Steel, Castings, Grey Iron, Car Wheels, etc.)
†Central Foundry Co. (Grey Iron Castings)
*Clausmeier & Archer (Road Machy.)
*Deister Concentrator Co. (Mining Machinery)
*Deister Machine Co. (Ore Concentrators)
*Engineering Co. (Sterilizing Machy.)
*§Fort Wayne Electric Works of General Electric Co. (Dynamos, Motors, etc.)
*Fort Wayne Engineering & Mfg. Co. (Compressors, Pumps, etc.)
*Fort Wayne Foundry & Machine Co.
§Fort Wayne Smelting & Refining Co.
§*General Elec. Co.
*See adv index at end of book*
*Good Roads Machinery Co. (Road Making Machinery, etc.)
§Hattersley A. & Sons, (Electrical Machy.)
*Horton Mfg. Co. (Washing Machines)
*§KUNKLE VALVE CO., (Brass Fdrs. & Machinists, Safety Valves, etc.) §25. *See adv index at end of book*
†§Menefee Foundry Co. (Grey Iron Castings)
*Noble Machine Co. (Coopers Machy.)
Schemeling & Alter
*Van Arnam Mfg. Co. (Plumbers' Supplies, etc.)
*Wayne Machinery Co.
*Wayne Oil Tank & Pump Co.
*Wayne Specialty Co. (Experimental)
*†WESTERN GAS CONSTRUCTION CO. (Gas Works Apparatus & Machinery)
FRANKFORT—*§Indiana Brass Co.
*Model Machine Works (Machinists)
*Smith Orlando B.
*§Wallace Mfg. Co. (Brick & Drain Tile Machinery)
FREMONT—*Ewing James
GARY—†§*Ind. Steel Co.
GAS CITY—*†§American Sheet & Tin Plate Co.
GENEVA—*Cross W. D. (Jobbing)
GOSHEN—*Alford Motor & Machine Co.
*Fuller Otis L. Co. (Slitting Shears)
*Goshen Eyelet Co.

§*Harwood L. A.
*Hoosier Drilling Machine Co.
*Hoosier Motor Co.
*†Kelly Foundry & Machine Co. (Boiler Fronts, Grate Bars, etc.)
*National Dairy Machine Co. (Dairy Machinery, etc.)
*Thomas Albright Co. (Hydraulic Presses)
GREENFIELD—*†§Abbott Johnson R.
GREENSBURG—*†Hilland W.
*Luchte Jos. L.
GRIFFITH—*†Griffith Mfg. & Supply Co.
HAGERSTOWN — *§Teeter-Hartley Motor Co.
HAMMOND—*Betz Frank S. Co. (Surgical & Dental Instruments)
*†Champion Potato Machine Co. (Potato Machinery)
*Fitz-Hugh Luther Co. (Railway Equipment) (See Chicago, Ill.)
*§Hammond Brass Works
*Hammond Machine & Forge Works
*Illinois Car & Mfg. Co. (See Chicago, Ill.)
*Standard Steel Car Co. (See Pittsburgh, Pa.)
*Steel Car Forge Co. (See Pittsburgh, Pa.)
†United Boiler Heating & Foundry Co.
HUNTINGTON—§Huntington Steel Fdy. Co.
*†§Majestic Co.
*Orton & Steinbrenner Co. (See Chicago, Ill.)
INDIANA HARBOR—†American Steel Foundries (See Chicago, Ill.)
*Inland Steel Co. (See Chicago, Ill.)
*Standard Forging Co. (Rough Machine & Finished Forgings)
INDIANAPOLIS — *American Buncher Mfg. Co., Olive & Harding
†American Foundry Co.
*American High Speed Chain Co.
*American Valve & Tank Co.
*Atkins E. C. & Co. (Saws, Tools & Machinery)
B. & B. Mfg. Co. (Foundry Moulding Machy.)
†Byram Foundry Co.
*Brown-Manly Plow Co.
*Capital Gas Engine Co. (Gas Engs, etc.)
*Capital Machine Co.
*Castle Refrigerating Machine Co.
*Central Machine Works (Machinists, etc.)
*Central States Bridge Co. (Steel Bridges, etc.), 601 Beecher
*†Chandler & Taylor Co. (Engines, etc)
*†§Dean Bros. Steam Pump Works (Steam Pumps, Condensers, etc), 327 W 10th
*Edwin S. H. & Co. (Cement Block Machinery)
*Elec Steel Co. of Ind.
*†Enterprise Iron Works (Grey Iron Castings)
*§Fairbanks-Morse Electrical Mfg. Co.
*Federal Fdy. Co.
*Geiger & Peters (Archl. Iron Works, etc.)
*Green Thos. L. & Co. (Bakers' Machinery)
*Hall A. M. Co. (Laboratory Machinery)
*Haywood Tire & Equipment Co.
*†Hetherington & Berner (Asphalt Machinery & Foundry)
*†Home Stove Co. (Stoves & Ranges)
*Howard Michael E. (Machinist),
*Huetter Machine and Tool Co.
*Indiana Die Casting Co.
*Indiana Fan Co. (Blowers, Exhausters, Water Motors, Fans, etc), 40 E South
*Indiana Mfg. Co. (Straw Stackers), Merchants Bank bldg
§Indianapolis Aluminum Castings Co.
*§Indianapolis Brass Co.
*Indianapolis Excelsior Machinery Co. (Excelsior Machinery, etc.)
*†Indianapolis Foundry Co. (Light Grey Iron Castings)
†Indianapolis Stove Co.
*Indianapolis Tool & Mfg. Co. (Special Machinery, Tools & Dies)
*Insley Mfg. Co. (Concrete Dump Buckets, Hoists, etc), 3500 St. Clair
*†Inter-State Car Co. (Car Repair Work)
*§Keyless Lock Co. (Post Office Equipments, etc.)
*§Langsenkamp-Wheeler Brass Works (Brass Founders & Finishers)
*Lees John (Special Machinery)
*LINK-BELT COMPANY (Belmont Foundry Malleable Iron; Ewart & Dodge Plants, Chains), General Offices, Chicago, Ill. & Philadelphia, Pa. *See adv index at end of book*
Midwest Engine Co. (Air Compressors & Diesel Oil Engines)
†McNamara-Koster Foundry Co. (Grey Iron Castings)
Millholland W. K. Machine Co. (Lathes)
*National Coning Machinery Co.
†National Malleable Castings Co. (See Cleveland, O.)
*†§Nordyke & Marmon Co. (Flour Mill Machinery, etc.)
†Over Ewald (Grey Iron Castings)
†Peerless Foundry Co. (Castings & Stove Repairs)
*Phoenix Caster Co.
*§Pioneer Brass Works (Brass, Bronze & Aluminum Founders, Finishers & Plumbers' Goods)
*Potter Mfg. Co. (Trench Machinery, etc.)
*†Potts C. & A. & Co. (Clay Machy)
*Rexroth Louis (Machinist)
*Roch Tobias
*†Rockwood Mfg. Co. (Paper Pulleys & Fibre Frictions)
*Russell Wind Stacker Co. (Straw Stackers), 1001 Shelby
*†Shirley Radiator & Foundry Co. (Radiators, etc.)
*†Sinker-Davis Co. (Engines & Saw Mill Machinery)
*Spacke Machine & Tool Co. (Motorcycle Engines, etc.)
*Standard Machine & Electric Co. (General Machinists)
§*Starr N. C. & Son Co.
*Utility Stove & Range Co. (Stoves, etc.)
*Western Machine Works
JASPER—*†Jasper Machine Works
JEFFERSONVILLE—*†American Car & Foundry Co.
*†§Anderson Geo. S. Co. (Machine Work, etc.)
*Bauer Machine Co.
*†Howard Shipyards Co.
*†Indiana Hollow Ware Co. (Cast Iron Hollow Ware, etc.)
*†Sweeney M. A. Shipyard & Foundry Co.
KENDALLVILLE—*Baker J. R. & Sons Co. (Specialties)
*†Flint & Walling Mfg. Co. (Windmills, Engines, Pumps, etc.)
*Raber & Lang Mfg. Co. (Concrete Machinery)
*†Wallace Mfg. Co.
*Wert C. S. (Brick Machinery)
KNIGHTSTOWN—*Oakerson Jonas
*Parish Alford Fence & Machine Co. (Fence Machines, etc.)
KOKOMO—§*Byrne Kingston & Co.
*Chandler Machine Co.
*Cole Howard & Co.
*†Fard & Donneley
*†Globe Stove & Range Co. (Stoves & Ranges)
§Haynes Stellite Co.
*§Kokomo Brass Works (Plumbers' Brass Goods)
*Kokomo Electric Co. (Spark Coils)
*Kokomo Fence Machine Co. (Fence Machinery)
*§Long Bros. (Automobile Accessories)
*Riverside Machine Works
*Rockford Bit Co. (Auger Bits)
*Superior Machine Tool Co. (Drilling Machines)
*Walton & Macke Nail Co. (Wire Nail Machines)
LADOGA—*Hillis J. W. & Son
LAFAYETTE—*Barbee Wire & Iron Works (Bldrs. Iron Work & Castings, etc.)
*Biggs B. F. Pump Co.
*Duncan Electric Mfg. Co. (Electric Meters)
*†McGrath Robert H.
*§Motsinger Device Mfg. Co. (Auto Parts)
*Ross Gear & Tool Co. (Tools, Auto Gears)
*Ross Machine Co. (Auto Parts)
*†§Schwab Safe Co. (Bank Vaults, Safes, etc.)
*†Wallace Machine & Foundry Co. (Castings, Manhole Covers, etc.)
LA GRANGE—*§La Grane Machine & Repair Co. (Mach. & Garage)
LAPEL—*Wright George W. (Gas Regulators, Pumps, etc.)
LA PORTE—*Gangwer & Co.
*Great Western Mfg. Co. (Motorcycles))
†§*La Porte Fdy. & Furnace Co.
*Niles & Scott Co. (Wheels, etc.)
†§Northern Fdy. Co.
*†§Rumely Leo Tractor (Engines, Threshers, Stackers, etc.)
*United States Slicing Machine Co. (Meat Cutters)
LAWRENCEBURG—*†§Cook August D. (Deep Well Pumps, Well Strainers, etc)
*Ohlen Bishop Co.
LEAVENWORTH—*Jenner John H.
LEBANON—*Dairy Cream Separator Co.
*Eagan Seth S.
LOGANSPORT—*Logansport Boiler & Machine Works
†§Logansport Casting Co.
*†Logansport Radiator & Equipment Co. (Radiators)
*Obenchain-Boyer Co. (Fire Extinguishers)
*†§Rutenber Electric Co. (Gasoline Motors, Brass & Grey Iron Castings)
LOOGOOTEE—*Moody W. Frank
MADISON—*†§Johnson Foundry & Machine Shops
*†Madison Machine Co. (Machinists)
MARION—†Atlas Foundry Co.
†*Bahr Bros. Mfg. Co.
*†Central Machine & Foundry Co.
*Chicago Glass Novelty Co.
*Emerson-Brantingham Co. (See Rockford, Ill.)
*†Harwood-Barley Mfg. Co. (Iron and Brass Bedsteads)
†Hoosier Stove Co.
*†Hulley Foundry & Machine Works
Marion Foundry Corp.
†Marion Gray Iron Foundry Co. (Grey Iron Castings, etc.)
*†§Marion Machine, Fdr. & Supply Co. (Gas & Steam Engines, Repair Works & Brass & Iron Castings)
†Marion Malleable Iron Works
†§Marion Stove Co. (Stoves)
*†§Rutenber Motor Co. (Gasoline Motors, Brass & Grey Iron Castings)
Western Drop Forge Co., P. O. Box 386.
MICHIGAN CITY—†Bies J.
*†§Haskell & Barker Car Co. (Car Bldrs., Brass, Steel, Grey & Malleable Iron Castings)
MILROY—*Hills F. O.
MISHAWAKA—§American Casting Co.
§Clark Geo. C. Metal Last Co.
†§*Dodge Sales & Engng. Co.
*Mishawaka Machine Co.
*†Perkins Windmill Co. (Gasoline Engines, Pumps, Jacks, etc.)
*†Premier Bed Co.
MONTEZUMA—*Montezuma Machine Wks
MONTPELIER—†§*Montpelier Mfg. Co.
*†§National Steel Casting Co. (Steel Castings, Car Couplers, etc)
MOORESVILLE—†*Ind. Brass & Iron Bed Co.
MOUNT VERNON—*†§Keck-Gonnermann Co. (Iron Fdrs., Threshers, etc.)
MUNCIE—*†§American Lawn Mower Co.
*Carpenter G. Albert
§Del. Brass & Aluminum Co.
†§Eagle Foundry Co. (Castings)
*Kemp Machine Works (Aeroplane Motors)
*Kitselman Bros. (Fence Machines, etc.)
†§Machinists' Foundry Co. (Castings)
*Moon Machine Co. (Nut & Bolt Machinery)
*†Muncie Fdy. & Machine Co. (Castings, etc.)
*Muncie Gear Works
Muncie Malleable Castings Co. Steel & Malleable Iron Castings, etc.)
*Muncie Oil Engine Co. (Oil Engines)
†§Union Iron & Brass Foundry
*Warner Electric Co. (Electric Specialties)
*Warner Gear Co. (Gears, etc. automobile)
†Whiteley Steel Co. (Steel Castings)
NAPOLEON—*Schlueter Stephen
NARSAW—†Dalton Fdy.

INDIANA—continued
NEW ALBANY—*Anchor Stove & Range Co. (Stoves, etc.)
*†Gardner S. J. Fdry. & Machine Co.
*Goetz Coleman Mfg. Co. (Gasoline Engines, etc.)
†§Gohmann Bros. & Kahler Co. (Stoves)
*†§Hegewald Chas. Co.
§Millheiser E. L
†Milligan Madison Co.
*†New Albany Machine Mfg. Co. (Stone Working Machinery)
NEW CASTLE—*†§Allen Pitless Scale Co.
*Indiana Rolling Mill Co. (Machine Shop for Use of the Company)
*National Spring Co.
†New Castle Foundry Co. (Iron Fdrs., Grey Iron Castings)
*New Castle Machine Works
*Pan-American Bridge Co. (Bridge & Structural Steel Works, etc.)
*Shopp W. A. & Co. (Pump Governors)
NEW HARMONY—*Tretheway W. O.
NEW MOUNT PLEASANT—*Steed Bros.
NOBLESVILLE—*Hare J. H.
*†Union Sanitary Mfg. Co. (Cast Iron Enameled Sanitary Ware)
NORTH MANCHESTER—†Manchester Mfg. Co. (Boiler Cleaners)
†§*Miller Jesse E.
†North Manchester Fdy. Co.
NORTH VERNON—*†§Hicks Harry (Machinist & Fdry.)
OSGOOD—*†§King H. P. Foundry & Machine Works
PERRYSVILLE—†*Perrysville Stove Wks.
PERU—*Peru Auto Parts Mfg. Co. (Engines, etc)
*†§Spaulding Brass & Iron Foundry
PETERSBURG—*Warner E. T.
PLYMOUTH—*Clizbe Bros. Mfg. Co. (Tool Grinders, etc.)
*Keller & Jeffirs (Machinists)
†*Portland Forge & Fdy. Co.
RED KEY—*Fiers W. T. (Pumps, etc.)
RICHMOND—*Advance Co., 542 N 14th
*†American Seeding Machine Co. (Agrl. Implts.) (Hoosier Branch.) (See Springfield, O.)
†Am. Fdy. Co.
*Dille & McGuire Mfg. Co. (Lawn Mowers)
*Draver E. R. (Special Machy., etc)
*Eagle Machine Works
*Elliott & Reid Co. (Fence Machines, etc.)
*Eureka Fence Mfg. Co.
*Evans John A. Co. (Ventilating Apparatus, etc.)
*F & N Lawn Mower Co. (Lawn Mowers)
*Hayes Track Appliance Co. (Derailers, etc.)
*Jones J. E.
*Marlatt Samuel (Machinist)
*National Automatic Tool Co. (Multi Driling & Tapping Machy, etc)
*†Reliance Foundry Co. (Auto Castings)
†Richmond Malleable Castings Co.
*Richmond Safety Gate Co. (Safety Gates, etc.)
*Richmond Standard Mfg. Co. (Air Compressors, Pumps & Gasoline Engines)
Richmond Water Softener Co.
§Riverside Brass Works
*†§Rumely M. Co. (Engines, Threshers, etc)
*†Swayne, Robinson & Co. (Threshers, Baling Presses)
*†§Wayne Works (Agrl. Implts., Grey Iron Castings, etc.)
ROCKPORT—*†Pfeifer John C. (Fdry & Mach)
ROYAL CENTER—*Ford William B. (Machinists & Garage)
RUSHVILLE—*†Arbuckle & Co. (Clay Working Mach'y.)
*Francis Chas. E. Co. (Woodworking Mach'y.)
*Madden Bros. Co.
SALEM—*Bellows Bros.
SARATOGA—*†§Harshman John F. & Sons
SEYMOUR—*§Buhner Rudolph F
SHELBYVILLE—*†Shelby Gas Engine Co.
SOUTH BEND—*†Birdsell Mfg. Co. (Clover Hullers, Straw Stackers, Wagons, etc.)
*†Bowsher N P Co. (Fdrs. & Machinists)
*Campbell Wire Specialty Works
*Collmer Bros. (Cycle & Auto Parts)
*Crescent Machine Works
*†Cutter Geo. Co. (Electrical Specialties & Trolley Line Materials)
†Engman-Matthews Range Co. (Stoves & Ranges)
§Fulton Harwood Brass Foundry Co. (Brass & Aluminum Castings)
*Haberle J B. (Special Machy., etc.)
*Iwan Bros.
*Long Distance Telephone Mfg. Co. (Telephones)
†Malleable Steel Range Mfg. Co. (Steel Ranges, etc.)
*Maurer Wm. & Co. (Steam Specialties, etc.)
*†Motor Castings Co. (Grey Iron Castings, etc)
*†Oliver Chilled Plow Works (Plows, etc.)
§*Peerless Brass Fdy. & Mach. Co.
Quick Action Ignition Co. (Electrical Machy. & Specialties)
*Schafer F. & Son (Machinery & Tools)
*†Sibley Machine Co., 70 Full. (Mach. Tools, Power Drills, etc.
†Sibley Stove Co.
†Singer Mfg. Co.
*†§South Bend Chilled Plow Co. (Plows, etc.)
*†South Bend Foundry Co. (Grey Iron Castings, Street & Building Castings, etc.)
*South Bend Watch Co. (Watches, etc.)
*Starr C. M. Mfg. Co. (Carriages & Machinists)
*†§Studebaker Corp. (Wagons, Carts, etc)
*Union Electric Mfg. Co. (Electrical Repairs)
TELL CITY—*†§Tell City Foundry & Machine Works
TERRE HAUTE—*Bealek Wm.
*Buettner-Shelburne Machine Co. (Repair Parts for Coal Mining Machines, etc) (See St. Louis, Mo.)
*†Eagle Iron Works Co.
†Gartland Foundry Co. (Grey Iron Castings, etc.)
*Hazledine E T. Co. (Machinist)
†Inland Malleable Iron & Steel Co. (Steel & Malleable Iron Castings)
*Johnson Bros. Motor Co.
*Kester Electric Co. (Electric Motors)
*Pettyjohn Co. (Artificial Stone Machines)
†§Pittsburgh, Cincinnati, Chicago & St. Louis R. R. Shops
*†§Prox Frank Co. (Coal Mining Machy., etc.)
†Springer-Whitaker Foundry Co.
*Standard Wheel Co. (Bicycles)
§Terre Haute Bronze & Brass Fdry.
*Terre Haute Machine Works
†Terre Haute Malleable & Mfg. Co.
*†§United States Scale Factory
*Wabash Mfg. Co.
UNION CITY—*Backstay Mach. & Leather Co. (Machinists)
*Union City Wheel Co.
UPLAND—*Wise R. S.
URBANA—*Speicher D. E. (Seed Sowers, etc.)
VALPARAISO—*McGill Mfg. Co. (Electric Specialties), 77 Oak
*See adv index at end of book*
VANBUREN—*Haynes Machine Co.
*Mills Machine Co.
VEEDERSBURG—*Veedersburg Machine Works
VERNON—*Reed & Rogers Mfg. Co. (Harrows & Rakes, etc.)
VINCENNES—*†§Central Foundry Co. (See New York)
*Hartman Mfg. Co. (Agrl. Implts., Cultivators, etc.)
*Mahoney R. R. Ditching Machine Co. (R. R. Ditching Machines)
*National Rolling Mill Co.
*†§Vincennes Foundry & Machine Co.
*Williams Henry M.
WABASH—*Dodd G. M. Machine Works
*Service Motor Truck Co. (Motor Trucks)
*†§Wabash Foundry Co.
WAKARUSA—*†Gall James E.
WARREN—Arnold Daniel (Jobbing)
WARSAW—*†Maish Mfg. Co. (Iron Castings, etc.)
*†§Wentz O. W.
WASHINGTON—*Clore Wm. H. Mfg. Co. (Cultivators, Harrows, Plows, etc.)
*†§Denver Frank
WINCHESTER—*Winchester Machine Works
WOLCOTTVILLE—*†§Morel Bros.

## IOWA.

AKRON—*Hilliker C. M. & Son
AMES—*Loughran Machine Co. (Agricultural Implements)
AURELIA—*Mummert Jonas S.
AVOCA—*†Jacobs Bros.
BELLE PLAINE—*†§Palmer Bros.
BELLEVUE—*Brandt J. M. (Gasoline Engines)
BETTENDORF—*†Bettendorf Co. (Basic Open Hearth)
†Zimmerman Steel Co. (Stump Pullers, Wagon Scales & Steel Castings)
BOONE—*†Quinn Wire & Iron Works (Castings & Cement Mach'y, etc.)
*†§Sampel J. F.
BURLINGTON—*Mississippi Pearl Button Co.
*Mohland & Co. (Grubbing Machines)
*†§Murray Iron Works Co. (Corliss Engines, Ice & Refrigerating Machinery, etc.)
CARROLL—*Heider Mfg. Co. (Equalizers, etc.)
CEDAR RAPIDS—*†Cedar Rapids Foundry & Mach. Co. (Grey Iron Castings, etc.)
*†§Cedar Rapids Pump Co. (Iron Pumps, etc.)
*†§Chandler Pump Co. (Iron Pumps, etc.)
*§Dearborn Brass Co. (Brass Founders' & Finishers' Plumbing Goods, etc.)
*Denning Tractor Co. (Traction Engines, etc.)
*Fawcett C. E. (Machinists)
*†§Iowa Steel & Iron Works (Castings & Structural Wk.)
*Iowa Wind Mill & Pump Co.
*Rabus & Toeller (Machinists)
*†Stary Frank & Sons (Small)
*Steel Basket Co.
*Tokheim John J. Co. (Oil Pumps etc.)
*Universal Crusher Co. (Rock & Ore Crushers)
*White T. G.
CENTERVILLE—*Hercules Mfg. Co.
CHARLES CITY—*†Am Tractor & Fdry Co. (Oil Engines & Farm Tractors)
*†§Hart-Parr Co. (Traction Engines)
*†§Moss, W. E.
CHEROKEE—*†§Caswell Mfg. Co. (Belt Guides, etc.)
*†Cherokee Mfg. Co.
CLARINDA—*Clarinda Lawn Mower Co. (Lawn Mowers)
*†Lisle Mfg. Co. (Well Drilling Machinery)
CLINTON—*Clinton Bridge Works
†§*Clinton Lock Co.
*Collis Co.
*†Iowa Machine Works
COUNCIL BLUFFS—*Clark Implement Co. (Agri. Implts.)
*†Incandescent Light Mfg. Co. (Machinists)
*†§Kimball Bros. Co. (Passenger & Freight Elevators, etc.)
*Machine Mfg. & Engineering Co.
*†Sprague Foundry & Mfg. Co. (Castings, Hot Air Furnaces, etc.)
*†§Walker Mfg. Co. (Agri. Implts., etc.)
DAVENPORT—*Brammer H F Mfg. Co. (Washing Machines)
*†§Davenport Locomotive Works (Light Locomotives, etc.)
*†§Davenport Machine & Foundry Co. (Grey Iron & Brass Castings & Special Heavy Machinery, etc.)
*Davenport Mfg. Co. (Paper Balers)
*†§Frank H. J. Foundry & Machine Co.
*†French & Hecht (Metal Wheels & Castings)
*Krone Charles (Jobbing)
*Linograph Co. (Typesetting Machines)
*Midland Supply Co.
*Neumann H. W. Machine Co.
*Newcomb Loom Co. (Carpet Looms)
*†Red Jacket Mfg. Co. (Pumps & Grey Iron Castings)

*Schmidt, B. L. Co. (Gasoline Engines & Ice Chipping Machines, etc.)
Voss Bros. Mfg. Co. (Washing Machines)
*Walther-Vogeler Gas Machine Co. (Gas Machines)
*White Lily Mfg. Co. (Washing Machines)
*Woodall Mfg. Co.
DECORAH—*Johnson Peter & Sons (Machinists)
DES MOINES—*†American Iron Works
*†§Beckman Bros. (Pumps, Windmills, Scales, etc.)
*†§Dempster Mfg. & Supply Co. (Pumps, Windmills, etc.)
*†Des Moines Stove Repair Co.
*Dodd & Struthers
*†Eagle Iron Works (Mining & Brick Machinery, etc.)
*Eldridge Geo. G. (Machinist)
*†Gibbons Machine & Foundry Co. (Gas Engines, Grey Iron Castings, etc.)
*Globe Machinery & Supply Co.
Green Fdy. & Furnace Wks.
*Iowa Machinery & Supply Co.
†*Keith Furnace Co.
*†McDonnell Boiler & Iron Works
*New Monarch Machine & Stamping Co.
*Stutsman R. O. Co. (Brass & Composition Foundry)
*†Wood Bros. Thresher Co. (Agrl. Implements, etc.)
DUBUQUE — *†§Adams Co. (Machine Tools, Founders, etc.)
*Cooper A. A. Wagon & Buggy Co. (Plows, Cultivators, etc.)
*Dubuque Boat & Boiler Works (Ship Builders, etc.)
*Ernsdorff John Iron Co.
*Ferguson Mfg. Co. (Pumps)
§*Kretschmer Mfg. Co.
*†§Loetscher-Ryan Mfg. Co. (Hardware Specialties)
*Ragatz & Son (Machinists)
*§Schmid Mfg. Co.
*†§Smedley Pump Co. (Steam Pumps, etc.)
*Voggenthaler E. J. Co.
ELDORA—*†§Brown Bros. Foundry & Machine Co.
ELKADER—†Allen Bros.
FAIRFIELD—*†Louden Machinery Co. (Haying Tools, etc.)
†Iowa Malleable Iron Co.
*Pence W. H.
FORT DODGE—*†§Iowa Foundry & Mfg. Co. (Gasoline Engines)
†§*Fort Dodge Fdy. Co.
*Monarch Telephone Mfg. Co. (Telephones, etc.)
*Sargent Tile Ditcher Co.
FORT MADISON—§*Acme Chandelier & Mfg. Co.
*American Fork & Hoe Co.
HARLAN—*†Deen Loom Co.
*†§Nelson Gas Engine & Auto Co.
IOWA CITY—Tuloss I. E. (Foundry)
IOWA FALLS—*Gade Bros. Mfg. Co. (Gasoline Engines)
KELLOGG—*Gould Balance Valve Co. (Valve Mfrs.)
KEOKUK—*American Cement Machine Co. (Concrete Machinery, etc.)
*†Amer. Stove & Range Co. (Stoves)
*Decker Mfg. Co. (Hog Rings, Curry Combs, etc.)
Industrial Supply Co. (Machine, Mill Supplies, Factory Appliances Manufrs. Agents)
*†§Kollmyer & Talbot (Machinists & Fdrs.)
†§*Peckstein Iron Wks.
*Thomas Machine Co.
*Weber & Kirch Mfg. Co. (Cream Separators)
LAKE MILLS—*Gering Bros.
LEMARS—*†§Pech Cus Foundry & Mfg. Co. (Well Drilling Machinery, etc.)
MARSHALLTOWN — *Brauer Acetylene Lighting Co.
*†Central Foundry Co.
*Dunham C. A. Co (Steam Traps)
*Fisher Governor Co. (Pump Governors, etc.)
*†Lennox Furnace Co. (Stoves, Ranges & Heaters)
*†§Lennox Machine Co. (Water Tapping Machines & Gasoline Engines, etc.) (See Chicago, Ill.)
*Light Draft Harrow Co.
MASON CITY—*Beecher Walter A. (Machinist)
*†§Vulcan Iron Works Co. (Tenon & Boring Machines, Power Hammers, etc.)
MECHANICSVILLE—*Davisson O. J.
MONTICELLO—*†Page Frank W.
MONTOUR—*Downs W. A.
MUSCATINE—*†Barry Co. (Button Machinery)
*†Giesler & Co. (Malleable Iron Wagon Brakes, etc.)
*Heitz Louis R. (Button Mach'y, etc.)
†Niver Iron Works Co. (Grey Iron Castings, Building Fronts, Machine Castings, etc.)
*Stohr & Freund
*Vance & Baker Mfg. Co. (Canning Machinery, etc.)
MYSTIC—*Ford Geo.
NEWTON—*Automatic Electric Washer Co. (Washing Machines)
*†§Maytag Co. (Agricultural Implts., etc.)
*One Minute Mfg. Co. (Gas & Gasoline Engines, Pumping Jacks, etc.)
*†§Parsons Co. (Trench Excavating Machy., Steel & Iron Castings, etc)
*†Skow Mfg. Co.
NORTHWOOD—*†Nelson Henry
ODEBOLT—*Kistler & Steppstedt
OELWEIN—*Potter V. W.
OSKALOOSA—*†§Iowa Valve Co. (Valves, Hydrants, etc.)
*†Seevers Mfg. Co. (Heaters, etc.)
OTTUMWA—*American Mining Tool Co. (Mining Tools, etc.)
*†§Dain Mfg. Co. (Hay Loader, Haying Tools, etc.)
*Hardsocg Mfg. Co. (Coal Drills, etc.)
*Hardsocg Wonder Drill Co. (Rock Drills, etc.)
*Johnston & Sharp Mfg. Co. (Ball Bearing Sash Pulleys, etc)
*†§McCarroll Bros. (Stoves, etc)
*Nicholls Mfg. Co. (Carpenters' Squares, etc.)
*†§Ottumwa Box Car Loader Co. (Car Loaders, Mine Cars, etc.)
*†Ottumwa Iron Works (Mining Machinery)
PELLA—*†Buerkens Mfg. Co. (Wagons, etc.)
*†Garden City Feeder Co. (Hay Stackers, etc.)
PERRY—†*At Last Washer Co.
PRAIRIE CITY—*†§Dowden Mfg. Co. Ltd. (Potato Harvesting Machy.)
*Jenks & Son (Gas Generators, etc.)
RED OAK—*†§Kerrihard Co. (Power Hammers, etc.)
*Red Oak Bridge & Iron Works
ROCKFORD—*Ayers C. E.
ROCK RAPIDS—*Anchor Concrete Stone Co. (Cement Block Machy.)
SAC CITY—*†Martin Co.
SHENANDOAH—*†Smith Benjamin
SIOUX CITY—*Central Machine Works & Auto Co.
*†§Iowa Foundry Co.
†New Foundry & Mfg. Co.
*†Novelty Mfg. Co.
*Steam Tractor Auto & Mfg. Co.
WATERLOO—*Armstrong Mfg. Co. (Well Drilling Machy., Forging of all Kinds, Gasoline Engines, etc)
*†Associated Mfrs. Co. (Gasoline Engines, Concrete Mixers, etc.)
*†Black Hawk Mfg. Co.
*†Bovee Furnace Works
*Chamberlain Machine Works
*Ferguson Mfg. Co. (Well Drilling Machinery)
†Gibson David
†Goodman W. A.
†Hawkeye Foundry Co.
†Headford Bros. & Hitchins Foundry Co
§Iowa Brass Foundry
*Iowa Gasoline Engine Co. (Gasoline Engines)
*Iowa Spreader & Engine Co. (Manure Spreader)
*†Litchfield Mfg. Co. (Farm Machinery)
*†Stewart Mfg. Co. (Contrete Machy)
§Superior Brass Fdy.
*†Swift Mfg. Co. (Feed Grinders, etc.)
§Waterloo Brass Foundry
*Waterloo Cement Machinery Corp. (Hoisting Engines, etc.)
†Waterloo Foundry Co.
†§Waterloo Gasoline Engine Co. (Gasoline Engines, etc.)
*†§Waterloo Register Co. (Registers, etc)
†Zeising & Son
WAUKON—*†Johnson J. S. & Son
WEBSTER CITY—*Brown Spring Ice Skate Co. (Ice Skates)
*Closz Chas. Co. (Grain Separators, etc)
WHAT CHEER—*What Cheer Tool Co. (Miners' Tools, etc.)

## KANSAS.

ABILENE—* Brown O. W.
*Toliver L. H.
ARKANSAS CITY—*†§Beard C. S.
†§*Kirkwood Wind Engine Co.
ATCHISON—*Bailor Plow Mfg. Co. (Agrl. Implts.)
*Locomotive Finished Material Co. (Rough & Finished Locomotive Castings)
*Railway Specialty Co.
*†Thayer Foundry Co. (Grey Iron Castings, etc.)
AUGUSTA—*C. L. C. Novelty and Furniture Corp.
BELLE PLAINE—*Owens J. A.
BURLINGTON—*Electric Appliance Co.
CHEROKEE—*Webster Frank L. & Son
CHERRYVALE—*†§Cherryvale Iron Wks. Co.
EL DORADO—*Gaylord Sanitary Mfg. Co.
EMPORIA—*†§Jones' Jos. C. Sons
ENTERPRISE—*†Barnard Machinery Co. (Flour Mill Machinery)
*†§Ehrsam J. B. & Sons Mfg. Co. (Flouring Mills, Cement & Plaster Mill Machinery, etc.)
FORT SCOTT—†Anderson R. K.
†§*Eller Chas.
FREDONIA—*§Belt P. P.
GALENA—*†§Galena Foundry & Machine Co. (Mining Machinery, Grey Iron Castings, etc.)
*Rauch Mfg. Co. (Mining Machinery)
*Stone & Pinson
GALESBURG—*Shaw Mfg. Co. (Motorcycles)
GIRARD—†Hitz C. Foundry Co.
HIAWATHA—*†§Cash W. F. & Co.
HUTCHINSON—*Hutchinson Foundry & Machine Works
*Nelson Mfg. & Supply Co.
INDEPENDENCE—*Bovaird Supply Co. (Oil Well Supplies)
*†Independence Iron Works Co.
*National Supply Co (Oil Well Supplies)
*†§United Iron Works Co. (See Kansas City, Mo.)
IOLA—*†§United Iron Works Co. (See Kansas City, Mo.)
KANSAS CITY—*†§Anderson Coupling & Fire Supply Co. (Fire Dept. Supplies)
*Badger Gas & Gasoline Engine Co. (Gas & Gasoline Engines)
*†Griffin Wheel Co. (See Chicago, Ill.)
†Kansas City Foundry Co. (Iron Fdrs.)
*Missouri Boiler Works Co. (Repairs)
*Parker Machine & Fan Works
*†Strait H. N. Mfg. Co. (Corliss Engines, Cooperage Machinery, etc.)
†West Side Foundry Co. (Iron Fdrs.)
*Western Steel & Wire Co. (Hay Presses)
LAWRENCE—*†§Lawrence Iron Works
LEAVENWORTH—*†§Fisher Machine Works Co. (Ice & Refrigerating Machinery, etc.)
*†Great Western Mfg. Co. (Grain Elevator & Flour Mill Machy., etc.)
†Great Western Stove Co. (Stoves, etc.)
*Missouri Valley Bridge & Iron Co.
*Varney Heating & Manufg. Co. (Stoves)
MANHATTAN—*†§Blue Valley Mfg. Co. (Agl. Implts.)
NEWTON—Nellan G. M.
*Prairie Queen Mfg. Co. (Grain Separators, etc.)
NORTON—*†§Norton Mfg. Co.
OBERLIN—*Bradley Perry
OTTAWA—*Union Foundry & Machine Co. (Gasoline Engines)
PAOLA—*†U. S. Radiator Corp. (See Detroit, Mich.)
PARSONS—*†Smith Millard F.
PITTSBURG—*†§United Iron Works Co. (See Kansas City, Mo.)
SALINA—*Kouns Wesley (Agrl. Implts.)
*†§Wyatt F. Mfg. Co. (Agricultural Implements, etc.)
*Ziegler W. F. (Corn Harvesters, etc.)
SENECA—*†Butler & Son
TOPEKA—*†Capital Iron Works Co.

KANSAS (TOPEKA)—continued
*†Currie Windmill Co
§Magnus Metal Co. Inc.
*Perine Plow Works (Plows, etc.)
*Semprez John
Topeka Bridge & Iron Co.
*†§Topeka Foundry & Iron Works. (Potato Diggers)
*†§Western Foundry & Machine Works (Iron & Brass Founders & Machinists)
WAKEENY—*Spena John W.
WICHITA—*Brooks Machine Co. (Tire Setters, etc.)
*Christopher Geo. C. & Son
*Reschke Machine Works Co (Agricultural Implements, etc.)
†§*Schermuly Mfg. Co.
†Sharon W. J.
†*Sibbitt Foundry & Iron Works
*†§Western Iron & Foundry Co.
†*Wichita Foundry Co.
WILSON—*†Wolfe W. S.
WOODSTON—*McNutt Hubert C

## KENTUCKY.

ASHLAND—*†§Ashland Foundry & Machine Works
*†§Ashland Iron & Mining Co. (Grey Iron Castings & Machine Shop)
†*Ashland Steel Co.
*†§Norton Iron Works
AUGUSTA — * † Augusta Stove Foundry
*Margraff Mfg. Co. (Machinery)
BOWLING GREEN—*†§Bowling Green Machine Co.
§*Park City Mach. & Supply Co.
CANE VALLEY—†Dudgeon Co. (Stoves, Ovens, etc.)
CLOVERPORT—*Cloverport Boat & Mfg. Co.
COVINGTON—*Anthe Machine Works
Avey Drilling Machine Co.
*Barker Wm. & Co. (Machine Tools)
*Covington Archl. Iron Works
†Germania Supply & Foundry Co.
*Hollingworth Machine Tool Co. (Machine Tools, etc.)
*†Houston, Stanwood & Gamble Co. (Steam Engines)
Insurance Foundry Co. (All Kinds of Light & Heavy Machine Castings)
*§Michael's Art Bronze Co.
*Sebastian Lathe Co. (Machine Tools)
†Star Foundry Co. (Stoves and General Iron Founders)
*Stewart Iron Works Co.
*†Willard Middletown Machine Co. (Power Presses, etc.)
EARLINGTON—Earlington Machine Wks.
FRANKLIN—*Enterprise Machine & Garage Co.
FULTON—*†§Webb C. E.
HOPKINSVILLE — *†Forbes Mfg. Co. (Agrl. Implts., Hdw., etc.)
LEXINGTON—*§American Metallic Packing Co. (Metallic Packings, Brass Castings and General Machinists)
*†§Lexington Engine & Boiler Works
*Timmins Walters Machine Co.
LOUISVILLE — *†American Elevator & Machine Co. (Elevators, etc.)
*American Iron Works
*†§Avery B. F. & Sons (Agrl. Implts.)
†Balke & Co.
§*Beecher Fowler Mfg. Co.
*†§Bridgeport Co. (Stoves)
*†Brinly Hardy Co. (Agrl. Implts., Plows, etc.)
*†§Caldwell W. E. Co. (Machinery & Founders)
*Clark Jas., Jr., Electric Co. (Machine Tools, Dynamos, Motors)
†Columbia Sanitary Mfg. Co.
*Cook C. Lee Mfg. Co.
†Dow Wire & Iron Works Co. (Conveying Machinery, Castings, etc.),
*†Drummond Mfg. Co. (Grey Iron Castings, etc.)
†Ewald Iron Co.
*§Falls & Withers
†Fischer-Leaf Co.
*Franke F. & Co.
†§Graf-Webb Iron Mfg. Co. (Stoves.
*†Grainger & Co.
*§Hillen Mfg. Co.
§Independent Brass Fdry.
*Kentucky Saw Works (Machinists)
†Kentucky Stove Co. (Stoves)
*†Kentucky Wagon Mfg. Co.
*Knopel-Kappa Co.
*Laib Co.
†Louisville Bridge & Iron Co.
†Louisville Car Wheel & Railway Supply Co. (Car Wheels, etc.)
*†Louisville Drying Machine Co. (Drying Machinery)
*†Louisville Tin & Stove Co.
†Martin H. H. Mfg. Co.
*§Moran Flexible Steam Joint Co. (Brass Founders & Machinists)
*†§National Foundry & Machine Co. (Steam Pumps, etc.)
†O K Stove & Range Co. (Stoves)
*†§Peerless Mfg. Co. (Iron & Brass Founders, Grates & Iron & Brass Goods)
*Pyne Co.
*Reilly Steam Pump Works (Pumping Machinery)
*Sheppard Mfg. Co. (Jobbing)
*†Snead Archl. Iron Works (Builders' Castings & Iron Work)
*Southern Elevator Co
*†§Standard Sanitary Mfg. Co. (See Pittsburg, Pa.)
*§Stege Brass & Plating Wks. (Finishers & Platers)
†§Stiglitz Chas. G. & Sons (Iron Fdrs)
§Vendome Copper & Brass Works
Vogt Brothers Mfg. Co.
*†Vogt Henry Machine Co. Inc. (Ice & Refrigerating Machy, etc)
Voigt Bros. Mfg. Co. Inc.
LUDLOW—§Carran R. B. & Sons Co.
McHENRY—*†McHenry Mfg. & Mchy. Co.
MAYSVILLE—*†Hall Jas. H. Plow Co. (Plows, etc.)
*Ohio Valley Pulley Works
*Thompson & McAtee (Agric Implts)
MIDDLESBORO—†§*Hoe J. R. & Sons
NEWPORT—*Crawley Book Mchy. Co. (Bookbinders' Machy., etc.)
*Fletcher Mfg Co. (Motor Washing Machines)
†Newport Fdry. Co.
OWENSBORO—*Anglo-American Mills Co. (Flour Mill Machinery)
*Kentucky Electrical Co (Dynamo & Motors)
*Owensboro Shovel & Tool Co.
*Owensboro Wagon Co.
*†§Southern Foundry Co. (Castings & Bldrs., Iron Work, etc.)
†§*Wright Mach. Co.
PADUCAH—*†§Jackson Foundry & Machine Co.
*Lack Mfg. Co.
*†§Shelton Bros. (Iron Fdry. & Machinists)
SHREVEPORT—†§*Oil City Iron Wks.
WINCHESTER—*Conway J. P.
*Hagan Gas Engine Mfg. Co. (Gas Engines, etc)
†*Love Fdy & Mach. Co.

## LOUISIANA.

ABBEVILLE—*Ritter J. F.
ALEXANDRIA—*†Alexandria Iron Works
*Murphy John H.
*†§Ruston Foundry & Machine Shop
AMITE CITY—*†§Gullett Gin Co. (Cotton Gins)
ARCADIA—*Goff T. J.
BATON ROUGE—*Hogue S. D. & Son
†*Pearce Foundry & Machine Works.
BELCHER—*Mehlin Frank
BERWICK—*†§Watkins Machine Works
CROWLEY—*†Acadia Iron Works (Ltd.)
*†Crowley Iron & Machinery Co.
DONALDSONVILLE—*†§Allen F. H.
EVANGELINE—*Evangeline Iron Works, Ltd.
FRANKLIN—†Le Blanc C. J.
GUEYDAN—*Booze G. W.
*Farmers' Machine Shop (Repair Work, etc.)
HOUMA—*Bergeron H. J.
JEANERETTE—*†§Moresi Antoine Co., Ltd.
JENNINGS—*Eaton Harry H.
*Getty F. I. (Well Screens, Iron Work, etc.)
LAKE CHARLES—*Michael James
*†§Reiser Machine Shop (Ltd.), (Fdry. & Machinist)
LECOMPTE—*Wiley E. W. Jr.
LEESVILLE—*†Leesville Iron Works
MANSFIELD—*†§De Soto Foundry & Machine Co. (Ltd.)
MERRYVILLE—American Lumber Co.
MINDEN—*Webb Press Co. (Ltd.)
MONROE—*†§Sanders J. G. Iron Works
*†§Weaks Supply Co. (Iron & Brass Foundry & Machinists)
MORGAN CITY—*†Johnston & Hamilton
NEW IBERIA—*Bernard A. M
*†§Simon Geo. (Est of)
NEW ORLEANS—*Boland Mchy. & Mfg. Co. (Sugar Machinery), 1006 Tchoupitoulas
*See adv index at end of book*
*†Crescent Bed Co., Ltd. (Bedstead Mfs), 2662 Gravier
*Crescent City Machine & Mfg. Works, 631 Tchoupitoulas
*†§Dibert, Bancroft & Ross Co., Ltd. (Sugar Mill Machinery, Engines, Steel, Iron & Brass Castings, etc.), Tulane & Hagan av
*Hinderer's Iron Works (Arch'l Iron, etc.), 118 Camp
*§Johnson Iron Works (Ltd.), Morgan & Sequin
*†§Joubert & Goslin Machine & Foundry Co., Howard & Euphrosine
†Killeen's Foundry & Iron Wks.
*§Koretke F. H. Brass Mfg. Co. (Brass Fdrs. & Finishers), 922 Magazine
*Lockett A. M. & Co., Ltd., 533 Baronne
*Louisiana Scale Co. (Scales)
*McDonald Jno. S.
*†§Murphy Jno. H. Iron Works (Sugar Machinery & Castings), 643 Magazine
*†New Orleans Dry Docks & Shipbuilding Co., Whitney-Central bldg
*New Orleans Machine Works, 509 Conti
*†Orleans Metal Bed Co. (Iron Bedsteads), 1518 City Park
*†Shakespeare Iron Works, 913 Girod
*†§Southern Machine Works, 835 Tchoupitoulas
*†§Southern Pacific Ry. Shops
*†§Stern Fdry & Machy. Co., General Marine Repair Work, 1630 Annunciation
*Sulpice L. F.
†Sutton J. P.
*†Sutton's Fdry. & Structural Steel Wks
*†Swoop Julian M., 913 Girod
Von Phul Gilbert D. (Cane Sugar Construction), Hibernia Bank bldg.
*†§Whitney Iron Works Co. (Fdrs. & Machinists. Sugar Machy, etc.), 849 Tchoupitoulas
PLAQUEMINE—*†§Nadler Henry
RAYNE—*Stamm, Scheele Mfg. Co. (Ltd.)
SHREVEPORT—*†§Henderson, W. K. Iron Works & Supply Co. (Saw Mill Mach'y, Castings, etc.)
*Victoria Safe & Lock Co. (Safes)
*Woodward Wight & Co, Ltd, Constance & Howard
*†White Benj S, Machine Shop & Foundry
THIBODAUX—*†Jeffries Wm.
†§*Thibodeaux Fdy.
*†§Keefe Lawrence, Estate
WASHINGTON—*McNicholl John
WELSH—*Armstrong Mach. & Well Wks. Co. (Ltd.)
*Van Ness M. B.

## MAINE.

AUBURN—Androscoggin Foundry Co., (Grey Iron Founders)
*Crawshaw J. M.
*Ray Wm. A., Jr.
AUGUSTA—*Fifield Bros. Co. (Gasoline Engines, etc.)
*Gay Geo. E. (Machinist & Engineer)
*Skehan W. J. & Co.
BANGOR—†Noyes & Nutter Mfg. Co. (Stores & Castings)
*†§Penobscot Machinery Co.
*Schwartz's M. Sons
*†§Union Iron Works (Iron & Brass Fdrs. & Paper & Pulp Mill & Wood Working, etc.)
†Wood & Bishop Co. (Stoves, etc.)
BATH—*§Bath Iron Works, Ltd. (Ship Builders & Marine Engines & Brass Fdrs.)
*†§Hyde Windlass Co. (Windlasses, etc.)
*Texas Steamship Co.
*†§Torrey Roller Bushing Works (Roller Bearing Bushings, Iron & Brass Castings)
*§Watson, Frye Co., Ltd. (Pulp Mill Castings, Plug Cock & Valves)
BETHEL—*Herrick Bros.
BIDDEFORD—*†§Saco-Lowell Shops (Cotton Machinery) (See Newton, Upper Falls, Mass.)
BOOTHBAY HARBOR—*Thurston H. T. Co.

BRIDGTON—*†§Bridgton Machine & Lumber Co.
*Halkett J. H. (Machinist)
BRUNSWICK—*Brunswick Mfg. Co. (Ferrules, etc.)
BUCKFIELD—*Damon Arlington (Machinist)
CALAIS—*Elliott Machine Co.
CAMDEN—*†Camden Anchor-Rockland Machine Co. (Anchors & Gasoline Engines)
*†§Knowlton Bros. (Brass & Iron Fdrs. & Machinists)
CHERRYFIELD—†*Wakefield E. C.
DEXTER—*†§Fay & Scott (Machine Tools & Iron & Brass Fdrs.)
EAST BOOTHBAY—§†Rice Frank L. Motor Co. (Motors, etc.)
EAST WATERFORD—*Haskell J. B.
ELLSWORTH—*†§Ellsworth Fdry. & Machine Works
GARDINER—*†§Hodgkins J. F. Co. (Journal Bearings, Brasses, etc.)
HALLOWELL—*†§Fuller's Geo. Sons (Brass & Iron Castings, etc.)
*North Wayne Tool Co. (Scythes, Axes & Tools, etc.)
HARRISON—*†Ricker T. H. & Sons Co. (Wood Working Mchnry.)
HOLLIS CENTER—*Colclough C. A. (Machinist)
HOULTON—*Cates H. M. & Son
*†Houlton Fdry. & Machine Co (Fdrs. & Machinists)
LEWISTON—*Harvey Geo. E.
LIVERMORE FALLS—*Allen Albert (Machinist)
*†§Record Fdry. & Machine Co.
MECHANIC FALLS—*†§Penney J. W. & Sons Co. (Steam Engines & Iron & Brass Fdrs., etc.)
MILFORD—†§*Ward N. H.
MILLINOCKET—†§Millinocket Foundry & Machine Co.
NORTH BERWICK—†§Hussey Plow Co. (Agrl. Implts., etc.)
NORWAY—*Murdock Francis W.
OAKLAND—*Bates A. B. Co
*Dunn Edge Tool Co. (Axes, etc.)
*Emerson & Stevens Mfg. Co. (Axes, Scythes, etc.
*King John (Axes, etc.)
OLD TOWN—*†§Chapman's T. M. Sons Co. (Wood Working Mach'y, etc.)
ORONO—*Mansfield E. Corp. (Cantdogs, etc.)
PORTLAND—*Adde & Co. (Lumber Measuring Meters & Hand Tally Registers)
*†§Babbitt Chas. E. (Brass & Iron Fdrs. & Machinists)
*Conant R. O. Co. (Canning Machy, etc.)
§Knight Bros. (Brass Fdrs., etc.)
§*Laughlin Thos. Co.
*Maine Electric Co. (Dynamos, Motors, Engines, etc.)
§Megquier & Jones Co. (Bldrs. Iron Work)
*Orr & Jennings (Machsts. & Castings)
*†§Portland Co. (Steam Engines, Paper & Pulp Machy & Iron & Brass Fdrs., etc.)
†Portland Stove Foundry Co. (Stoves, etc.)
*Smith & Langmaid
*Southworth Machine Co. (Printers' & Bookbinders' Machinery)
*Stickney Henry R. (Can Filling Machines, etc.)
ROCKLAND—*Livingston Mfg. Co. (Stone Working Tools)
*Shuman I. J.
RUMFORD — *†§Clark Foundry Co. (Punches & Shears, etc.)
SOUTH PARIS—†Penley Gilman H.
SOUTH PORTLAND — §*Marine H'dwe Equipment Co.
*See adv index at end of book*
SOUTH UNION—†Ripley C. S.
WATERVILLE—*Lombard Traction Engine Co.
†Noyes Stove Co. (Stoves)
*†§Waterville Iron Works (Pulp Wood Machinery)
WESTBROOK—*†Foster-Brown Co.
†Jordan Rufus K. (Iron Fdry.)
*Knowlton Machine Co.

## MARYLAND.

BALTIMORE—*Adt, Jno. B. Co. (Brewers & Maltsters, Tobacco Machinery, etc.), 340 N Holliday
*American Compressor & Pump Co. (Air Compressors, Vacuum Presses, etc.) 801 E Pratt
*Anderson G. A. Mfg. Co., Bush & Russell
†Armstrong Stove & Mfg Co.
§Baltimore Brass & Plating Works, 118 E Center
*†§Baltimore Gas Appliance & Mfg. Co. (Gas Ranges, etc.) Bayard & Hamburg
Baltimore Malleable Iron & Steel Castings Co., S Charles & Wells
*†Baltimore & Ohio R. R. Co. Baltimore & Charles
*†Bartlett, Hayward Co., (Gas Works Machinery Iron Founders, etc.), Scott & McHenry
*†Bates Elevator Co. (Elevator Bldrs., Castings, etc.), 211 Preston
*†Bibb B. C. Stove Co. (Stoves, etc.) 109 Light
Black & Decker Mfg. Co. (Contract Mfg., Special Machy., etc.), 111 S. Calvert
*Brown F. S. & G. L. Machine Co. (Presses, Dies & Sheet Metal Tools), 20 E Fort av
*Burt Machine Co. (Canning Machinery), 403 E. Oliver
*Cahill W. S. Co. (Ship Builders, Engines, etc.), Key Highway & Webster
*Calvert Machine Co., 1606 Thames
†Carr Stuart R. & Co. (Iron Founders), Boston & Montford av.
*Cassard Hamilton (Broom Machinery), Holliday & Pleasant
*Central Foundry Co. Dundalk
*Chesapeake Iron Works (Builders' Iron Work, 3903 Westport
*Chesapeake Machine Co. Eastern av
*Chesapeake Marine Railway Co., Philpot cor. Point
*Coale Muffler & Safety Valve Co., 325 E Oliver
*Codd E. J. Co. (Boilers, Engines, Tanks, etc.), 700 S Caroline
*Crook H. E. Co., Inc., 28 Light
*§Crown Cork & Seal Co., 1511 Guilford av.
*†De Ved & Sons Sash Weight Co. (Builders' Castings), 807 S Howard
*Dietrich Bros. (Jail Guards, Bridge Rods, Plates, etc.), cor Pleasant & Davis
*§Diez & Roemer Brass Co., 212 Fallsway
*Dix Mfg. Co. (Door Hangers), Eager & Fallsway
*Dixie Mfg. Co. (Dust Collectors, Exhaust Fans, etc.), Russel & B. O. R. R.
*Dorman J. F. W. Co. (Rubber Stamp Machinery) 526 N. Calvert
§*Eichman J. S. Mfg. Co.
*Eisenbrandt F. B. (Gas Engines) foot of Light
*ELLICOTT MACHINE CORP. (Dredging Machinery, Grey Iron Castings, etc.), 1111 Bush
*See adv index at end of book*
*Fadum Fred'k & Son (Machinist), 408 W Redwood
*†Flynn & Emrich Co., 305 N Holliday
†Foster Bros. Mfg. Co. (Iron Beds, etc.), 320 N Holliday
*§Gibson & Kirk Co. (Brass Fdrs., etc.), 217 Key Highway
†Greenmount Iron & Mfg. Co. (Grey Iron Castings), 889 Greenmount av
*Harms Bros. (Gas Engines), 1730 Thames
*Hollingsworth Wm. (Gas Engines, etc.), 229 N Holliday
*Hutcheson Wm. (Brass Finisher & Machinist), 212 N Holliday
†Hutchinson Bros. (Stoves, Furnaces, etc.), 5 S Howard
*Ives Mfg. Co., 203 Hanover
†Jones Hollow Ware Co., 1012 Ashland av
*Jones Jno. T. Sons (Canning Machinery, etc.), 734 E Lombard
§*Kavanaugh Jos. M.
*Kemp C. M. Mfg. Co. (Gas Machines, Cellar Drainers, etc.), 405 E Oliver
†Kennedy Foundry Co. (Grey Iron & Castings), S Charles & Wells
*Knapp Fred H. Co. (Labelling), Lexington bldg
*Kries Henry A. & Sons Co., 8 W Lombard
†Lacy Jas. J. Co. (Propeller Wheels, Grey Iron Castings, etc.), Block & Wills
*Lazenby F. A. & Co., 414 Key Highway
*†Levering Mfg. Co. (Sash Weights, Grey Iron Castings, etc.), 210 Key Highway
*§Liberty Brass Works (Brass Castings, etc.), 305 W Lombard
§Limerick J. A. Co., 960 N Howard
*McClenahan H. J. & Co. 617 Water
*§McShane Bell Foundry Co. (Bell Founders, etc.), Harford av & B. & O. R. R.
*MacRae Hector C. (Electrical Storage Batteries, etc.), 316 St. Paul
§Maryland Brass & Metal Works (Brass & Bronze Castings, etc.), Calvert & Federal
§*Maryland Car Wheel Wks, Curtice Bay
*Maryland Dredging & Contracting Co. (Marine Repairs), Fidelity bldg.
Maryland Equip. & Supply Co., Equitable bldg
*Maryland Metal Cross Tie Co., 901 Munsey bldg
†Meiser H. & Son (Iron Fdrs., Bldrs. Iron Work, etc.), 204 Clay
*Mergenthaler Co., 118 Hollingsworth
*Mitchell Jno. R. Co. (Pineapple Mach'y, etc.), 702 S Washington
*Monarch Engineering & Mfg. Co., American bldg.
*Monitor Controller Co. (Electric Motor Controllers, etc.), 514 E Lombard
*Moore Machinery Co. (Special Machinery, etc.), 213 Guilford
*Murrill & Keizer (Light Machy., Pattern & Model Work, Special Machy., etc.), 206 N Holliday
*§National Supply Co. Casters, Brass Fdrs & Finisners, etc.), Equitable bldg
*Obrecht Chas. F. Co., 8 E Perry
*Page Engineering Co. (Marine Gas Engines), Clagett & Hull
*Phelps Walter J. (Canners' Machinery), ft. of Lawrence
*†§Poole E. H. & Co., 1513 Orleans
*†§Poole Engineering & Machine Co. (Power Transmitting, Rolling Mill Machy., etc.), Woodberry Station
*Renneburg Edw. & Sons Co. (Canning House Machinery, etc.), 2039 Boston
*§Richardson Edro Brass Co. (Brass Fdrs. & Finishers), 318 N Holliday
*Robins A. K. & Co. (Stove & Canning Machinery), 116 Market place
*†Sackett A. J. (Fertilizer Machy., etc.), cor 4th av & 1st
†Sexton S. B. Stove & Mfg. Co. (Stoves, etc.), 500 Block West Conway
†Sheppard Isaac A. & Co. (Stoves, etc.), Eastern av & Chester
(See Phila., Pa.)
*Sinclair-Scott Co. (Canning Machy., etc.), Wells & Patapsco
*Slaysman & Co. (Can Makers' Machy.), 801 E Pratt
*Spedden Ship Bldg. Co. (Ship Builders), Boston & Kenwood
*Starr B. F. Co. (Grinding Mills, etc.), 445 Guilford av
*Stebbins Wallace & Sons, 100 S Charles
*Stevenson & Co. (Can Makers' Machy.), 607 S. Caroline
†Symington T. H. Co. Md. Trust bldg. (Railroad Supplies)
*Universal Machine Co. (Special Machy. & Telegraphic Typewriters), 501 E Preston
*§Walther Geo. W. & Co., 712 N Howard
*†§Weiskittel A. & Son Co. (Stoves, Ranges, Porcelain Enameled Bath Tubs, Iron & Brass Founders), 12th & E Lombard
*White Chas. Gas Engine Co. (Gas Engines), Scott & McHenry
*Zastrow Geo. W. (Pineapple Machinery, etc.), 1410 Thames
Zies Chas. & Sons Co. (Butchers' Machinery, etc.), 320 S Fremont av.
CAMBRIDGE—*Shackelford Edgar.
CUMBERLAND—*†§McKaig Merwin
*†§Maryland Mould & Foundry Co. (Grey Iron Castings)
*†Williams Foundry & Machine Works
EDNOR—*Bond Bros.

MARYLAND—continued
ELKTON—*McQuilkin Geo. (Machinist)
†Powers Jas. F. Fdry. Co. (Iron Fdry.)
FREDERICK—*Abbott J. H. & Son
*†American Foundry & Mfg. Co.
*†§Frederick Iron & Steel Co. (Elec. Ry. Line Materials, Grey Iron Castings, etc.)
GALENA—†Hyland Wm. A. Jr. (Wood Printing Machines)
GLENARM—*Hooper Francis X. Co.
HAGERSTOWN—*Foltz Mfg & Supply Co. (Machinists)
†Hagerstown Foundry Co.
§Hagerstown Metal & Refining Co.
*Rupp Mfg. Co.
HANCOCK — *†Hancock Fdry. Machine Works
MANCHESTER—*†Shower Wm. H.
MT. SAVAGE—*§† Union Mining Co.
PERRYVILLE—†Armstrong Stove & Mfg. Co. (Stoves, etc.)
POCOMOKE CITY—Pocomoke Foundry & Machine Wks.
PORT DEPOSIT—*†Bibb B. C. Stove Co. (See Baltimore, Md.)
SALISBURY—*Grier F. A. & Sons
*†§Grier R. D. & Sons Co.
SOUTH BALTIMORE—(See Baltimore)
SPARROWS POINT—*†§Maryland Steel Co.
WESTERN PORT—†White Bros.

## MASSACHUSETTS.

ABINGTON—*Lamson E. F.
ADAMS—†*Allen Fdy.
AMESBURY—*§Amesbury Brass & Foundry Co. (Brass, Manganese Bronze, etc., Castings)
*§Baker Foundry & Machine Co.
§Murphy G. W. J. Co.
*Pettingell Machine Co.
ARLINGTON HEIGHTS—*Arlington Machine Works (Textile machinery)
ASHBURNHAM—*Almond T. R. Mfg. Co. (Drill Chucks, Countershafts, etc.)
ASHLAND—*Lombard Governor Co. (Water Wheel Governors, etc.)
*Ray Bros. (Printing Presses)
ASSONET—*Davis-Warner Arms Corp.
ATHOL—*†§Athol Machine Co. (Machinists' Fine Tools, etc.)
*§Athol Pump Co. (Pumps & Brass Castings)
*Gerry Geo. & Son (Textile Machy.)
*STARRETT L. S. CO. (THE) (Machinists' Fine Tools, etc)
*See adv index at end of book*
*Union Twist Drill Co. (Gear & Milling Cutters, etc.)
ATTLEBORO—*Clegg Mfg. & Tool Co. (Special Machinery)
*Mossberg Frank Co. (Dies, Special Machinery & Tools)
§Owren Casting Co.
AYER—*Chandler Machine Co.
Dress Plaiting Machinery & Jobbing
BARRE—*†Allen Chas. G. Co. (Drill Presses, Self-Opening Dies, etc.)
BEVERLY—*Naumkeag Buffing Machine Co. (Buffing Machines, etc)
*Reid Bros. Co. (Surface Grinders & Gauges)
*Smith Ira A.
*†United Shoe Machinery Co. (See Boston)
BOSTON—*Allington & Curtis Mfg. Co., 18 L. (See Saginaw, Mich.)
*American Finishing Machinery Co., 141 Milk
*American Motor Equipment Co. (Gasoline Engines) 181 Mass. av.
*American Pipe Bending Machine Co., 39 Pearl
*American Postal Machines Co. (Stamp Cancelling), 295 Congress
*American Shade Machine Co., 19 Milk
*§American Soda Fountain Co., 282 Congress
*§American Steam Gauge & Valve Mfg. Co. (Gauges, Valves, etc.), 208 Camden
American Thermaphone Co., 116 Bedford
*†§American Tool & Machine Co. (Centrifugals, Hydro-Extractors, Brass Finishers' Lathes, Waste Washing Machines, etc.), 10 High
*American Warp Drawing Machine Co., 95 Milk
*†Ames Plow Co. (Agrl. Implts. & Machines), Quincy & Hall
*Ames Shovel & Tool Co., Ames Bldg.
*§Anderson Albert & J. M. Mfg. Co. (Elec. Ry. Light & Power Machinery & Brass Fdrs., etc.), 289 A
*Angell Elevator Lock Co. (Elevator Safety Locks), 370 Atlantic av
*Arbetter Felling Machine Co., 242 Dover
*Armstrong F. A. W & Co., 358 Atlantic av
*Atlantic Works (Ship Engine Builders), 80 Border, E B
§Atlas Brass Foundry Co., 155 A. S. B.
*Automatic Box Machinery Concern, 270 Congress
*Babcock-Davis Corp., 474 Dorchester av
*Babson Dow Mfg. Co., 60 Fulda
Backus Heater & Fdry Co., Inc. (Heaters, etc.), 63 Canal
*Baker A. F. Machine, 135 Oliver
*Barrett Bros. (Special Machinery), 43 Haverhill
*§Barrett Jas. Mfg. Co. (Plumbers' Iron & Brass Specialties, 117 Pearl
*Bartlett E. (Bench Planers, Arbor Presses, etc.), 326 A
*Bassill Louis Co. (Brass Finishers), 100 Utica
*†Bay State Heating & Sprinkler Co., 49 Haverhill
Bay State Pump Co. (Tire), 100 Purchase
*BEAUDRY & CO., INC. (Power Hammers, etc), 45 Bromfield
*See adv index at end of book*
*†§Bent G. W. Co., 93 Causeway (Bedsteads)
*Bertelsen & Petersen Engineering Co. (Ship Machinists), 256 Border
*Blake G. F. Mfg. Co. (Pump Mfrs.), 200 Devonshire
*Boston Bottling, Wiring & Labeling Co., 23 Wormwood
*§Boston Brass Andiron Co. (Brass Fdrs. & Finishers), 104 Utica
*Boston Bridge Works (Traveling Structural Steel Work, etc.), 47 Winter
*§Boston Casting Co., 110 Broad
*§Boston Coupling Co. (Machinists & Brass Finishers), 156 Pearl
*§Boston Elevated Railway Co., 101 Milk
*Boston Nickel Plating Co. (Brass Finishers), 160 Portland
†Boston Sash Weight Co., 79 Milk
*Boston Scale & Mach. Co. (Angle Plates), 100 Ruggles
Boston Tool & Mfg. Co., Inc. (Die Filing Machines. Special Machinery), 262 Dover
*Boston & Lockport Block Co. (Tackle Blocks, Diaphragm Pumps, Differential Hotels, etc.), 100 Condor, East Boston
*Boylston Mfg. Co. (Shoe Machinery, etc.), 251 A.
*Brackett, Shaw & Lunt Co., (Gasoline Engines) 62 Washington N
*†Bradlee & Chatman Co., (Heaters) 54 Canal
*Bradley Pulverizer Co., 92 State
*Brown Beer Pump Co. (Brewers' Supplies), 11 Chardon
*Burke P. F. (Toe Calks, etc.), Damrell S.
*Buzzell J. G. & Co. (Boot and Shoe Machinery), 102 High
*Cahill Michl. F. ("Cahill" Brass Ferrules, etc.), 710 E 2nd
*See adv index at end of book*
*Campbell-Bosworth Machine Co. (Harness Machinery), 205 Lincoln
*Carson Trench Machine Co. (Trench and Excavating Machinery, etc.), 16 Dorrance
†Central Foundry Co., 105 Cummings
*Champion Button-Hole Machine Co., 641 Atlantic av
*Child Acme Cutter & Press Co. (Bookbinders' Machinery) 184 Summer
§Clark D. W. & Co. (Brass Works & Aluminum Castings), 280 1st
*Clough Angell Machine Co., 370 Atlantic av
*Codman F. L. & J. C. Co. (Buff Wheels, etc.), 15 Elkins, S. B.
*Coffin Valve Co. (Valves, Sluice Gates, etc.), Neponset
Colburn Gear & Mfg. Co., Inc., 85 Purchase, Boston, Mass.
*See adv index at end of book*
*Columbia Mills, 123 Kingston (See New York)
*Costmeter Co., 1000 Washington
*Crandall Engineering Co., 102 Border, E. B.
*§Crosby Steam Gage & Valve Co. (Steam Specialties), 40 Central
*See adv index at end of book*
*Cross Paper Feeder Co., 185 Summer
*Cummings Machine Works (Shoe Machinery), 110 High
†Cunningham J. H. Co., 269 Congress
§Dahlquist Mfg. Co. 40 W. 3d, S. B.
*See adv index at end of book*
*†Dalton-Ingersoll Mfg. Co. (Plumbers' Brass Goods), 52 Chamey
*Damon & Glenn (General Jobbing), 189 High
*Davis I. B. & Son (Pump Mfrs.), 7 Pearl
*§d'Este Julian Co. (Steam Specialties, Brass Fdrs. & Finishers), 26 Canal
*See adv index at end of book*
*Dodge H. C., Inc. (Turret Lathes), 46 Alger
§Dorchester Brass & Aluminum Foundry, Jamaica Plain
Dow L. B., 79 Milk
§Duncan Wm. (Est. of), 156 Liverpool, E. B.
*Edison Mfg. Co. (Diaphragm & Force & Lift Pumps, etc.), 257 Atlantic av
*Electric Blower Co. (Blower Mfrs., etc.), 352 Atlantic av
*Empire Laundry Machinery Co. (Laundry Machinery), 352 Western av
*Ensign Mfg. Co. (Calculating Machines), 19 Brook, Fanueili
†Estabrook's R. Sons (Soil Pipe & Fittings & Castings, etc), 202 W 1st
EVEREADY MFG. CO. of Boston ("Eveready" Automatic Paper Clips & Fasteners Machine Mfrs.), 5 Knapp
*See adv index at end of book*
*Eyelet Tool Co., 40 Lincoln
*Finch J. H. Co. (Brass Finisher), 24 Beach
*Fitzhenry E. L. & Co. (Yacht & Launch Engines, etc.), 49 Washington N
*Freeman F. W. Co. (Dies, Metal Stamping, etc), 160 Portland
Gale-Sawyer Co.
*†§Gibby Foundry Co. (Grey Iron & Brass Castings), 96 Condor, E.
§Gilchrist Geo. E. Co. (Brass Fdrs. & Finishers), 106 High
*Gillette Safety Razor Co. (Safety Razors), 41 W. 1st
Globe Ear Phone Co., 88 Tremont
*Grant Gear Works (Gears & Pinions, etc.), Pearl & Purchase
*See adv index at end of book*
§Granular Metal Co., 77 Farnum
*Gray-Aldrich Co. (Gasoline Engines), 33 Commercial Wharf
Grundy J. E. & Co. (Brass Finishers), 82 Sudbury
*†Gurney Heater Mfg. Co. (Heaters, Radiators, etc.), 188 Franklin
†§*Gurney Heater Mfg. Co.
*§Hall Wm. Co., (Locks & Trolley Line Materials, etc.), Quincy
*Ham L. M. Co. (Cold Iron Sawing & Coping Machines, etc.), 158 Portland
*§Hamlin & Emery Brass Co. (Brass Goods & Castings), 49 Island
*§Hancock Inspirator Co. (Injectors & Ejectors, etc.), 23 Watson. Office: New York
*Harbor Machine Co. (Tools, Dies & Special Machinery), 183 High
†Harrison Square Fdy. Co.
*Hart Mfg. Co., 352 Atlantic av
*Hart, Thos. H. Co., 364 Atlantic av
*Hartford Bros. (Shoe Machinery), 102 South
*Haskell-Dawes Machine Co., 176 Federal; Works: Phila., Pa.
*§Hershey Mfg. Co. (Sugar & Soapmakers Machy., Water Meters, etc), 314 W Second, S. R.
*Hetherington John & Sons Ltd. (Cotton Machinery, 10 High
*Highland Machine Co. (Machinists' & Pattern Makers, etc), 56 Kemble, Rox
Beach Mfg. Co. (Screw Machine Products), Little bldg
*Holmes & Blanchard Co. (Fertilizer Machinery), 31 State
*†Howes S. M. Co. (Stoves, etc.), 42 Union
*Howes Forest E. (Jobbing), 263 Northampton

*Huff Electrostatic Separator Co. (Ore Separators) 60 India
§Hungerford U. T. Brass & Copper Co. of Boston, 95 Broad
*Hunt-Spiller Mfg. Corp. (Air Furnace Locomotive Castings), 383 Dorchester av
*Jarvis Engineering Co. (Garbage Disposal Plants, Refrigerating Machinery etc), 261 Franklin
*Jones Mfg. Co. (Water Filters), 243 Franklin
King Construction Co., 131 State
*Kinney Mfg. Co. (Power Pumps, etc), 3541 Washington
*Knapp, Gardner & Co., 62 Sudbury
*Knight & Thomas, 212 Summer
†Krasser, F. & Co. (Iron Fdrs.), 31 George Rox
*†Laconia Car Co. (Electric Cars & Trucks & Malleable & Grey Iron Castings), 60 Congress. Works: Laconia, N. H.
*§Lamson Co., 100 Boylston
*Lang J. A. & Sons (Dies, Tools & Light Machy.), 280 Dover
†Lincoln Geo. H. Co. (Iron Fdrs.), 191 Old Colony av, S. B.
*†Livermore Hower F., Inc. (Steel & Malleable Castings), 85 Pearl
*Lockett Crimping Machine Co., 77 Summer
*Long J. H. Machine Co., 184 High
*Ludlow Valve Mfg. Co., 141 Milk
*Lufkin John W. & R. H. (Vamp Folding Machy.), 38 Chardon
†Lumdin Steel Casting Co.
*†§Lumsden & Van Stone Co. (Heating, Specialties, etc.), 1 Dorchester
*Lundin Electric & Machine Co. (Electrical Specialties), 10 Thatcher
*Lunt-Moss Co. (Gasoline Engines, etc.), 43 So. Market
§McCafferty J. H. Co. (Brass & Bronze Founders, etc), 434 Harrison av
*McCulloch A. P. Machine Co. (Tools, Dies & Special Machinery), 216 High
*§McGann T. F. & Sons Co. (Ornamental Brass & Bronze Works), 117 Portland
*See adv index at end of book*
*†McKie Shipbuilding Co., 100 Border E B
*McLaughlin Geo. G. Mfg. Co., 24 Washington N
McLauthlin Geo. T. Co. (Machinery Builders), 120 Fulton
*§Macallen Co. (Electric Specialties & Brass Fdrs.), 16 Macallen South
†*Magee Furnace Co., Inc.
*†Magee Furnace Co. (Heating & Cooking Apparatus), 38 Union
*Marshall Son & Co. (Book Binders & Paper Box Machy.), 226 Purchase
*Marston J. M. & Co. (Saws, Wood Working Machinery, etc.), 226 Ruggles
§*Mason Regulator Co. (Regulators, etc), 1192 Adams
*See adv index at end of book*
Massachusetts Machine Shop, Inc. (Metal Washers), 817 Albany
*See adv index at end of book*
*Maynard Mfg. Co. (Plumbers' Specialties), 127 Purchase
*†Mead-Morrison Mfg. Co. (Hoisting & Conveying Machinery), cor. Prescott & Orleans E R
†Mechanics Iron Fdry. Co. (Grate Bars, etc.), 38 Kemble, Rox
*Meisel Press Mfg. Co. (Printing Presses & Slitting & Winding Machinery, Contract & Special), 942 Dorchester av.
§*Merriman Bros.
*Metcalf J. C. Machinery Co. (Paper Box Machy.), 102 Pearl
Moback Tool & Machine Mfg. Co. (Vises & Milling Machine Cutters), 330 Atlantic av
*Moore Geo. W. (Screw Machine Products, etc.), 44 Farnsworth
*Moore J. W. Machine Co., Spring & Second Everett
*Moore & Wyman Elevator & Machine Works, 72 Granite, S B
†Morandi-Proctor Co. (Cooking Apparatus), 86 Washington
*Morrison, Angus Co. (Elevator Repairs), 183 High
§Morse A. J. & Son, Inc. (Fire Dept. Supplies & Brass Finishers), 221 High
*Murray & Tregurtha Co. (Marine Engines, Joints, etc), 340 W 1st
*Nary F. E. (Brass Finishers), 51 Chardon
*Nashua Machine Co. (Steam Traps), 127 Federal
*National Machine & Tool Co. (Machy, Jigs, Tools, Dies, etc), 253 A
*National Packaging Machinery Co., 172 Green, Jamaica Plain
*Nelson Blower & Furnace Co. (Gas Producers' Special Machinery, etc), 11 Elkins
Neponset Engine & Machine Co. (Marine Gas & Gasoline Engines), Neponset
*New England Annealing & Tool Co., 74 K, S B
*Nicholas & Stephenson (Machinists), 208 Summer
*Norton A. O., Inc. (Ratchet Screw & Track Jacks), 440 Brookline av
*Parker Machine Co. (Special Tools, Dies, etc), 221 High
*Pattinson Mfg. Co., 48 Stanhope
§Peckham F. W.
*Peerless Machinery Co. (Shoe Machinery), 44 Binford, S B
*Peerless Motorcar Co. (Motorcycles), 660 Beacon
Petersen Anker, 330 Atlantic av
*Poland Laundry Machinery Co., 47 Kemble
*Power Numbering Machine Co., 299 Marginal, E B
*Puritan Mfg. Co. (Harness Machinery), 121 Beach
*R. & S. Machine Co. (General Machinists), 24 L (South Boston)
*Reece Buttonhole Machine Co., 502 Harrison av
*Reece Folding Machine Co., 502 Harrison av
*Renim Specialty Co. (Electrical Specialties), Brighton
*Ridlon, Frank Co. (Electrical Appliances), 251 A
*Rivett Lathe & Grinder Co., 2 Brooks, Brighton
Rockwell & Co., Inc., 74 India
§Rogers C. E. (Brass & Bronze Fdry.), 34 Beach
*†§Saco-Lowell Shops (Textile Machinery Works), 77 Franklin
*Seelye Mfg. Co. (Shoe Machinery), 118 South
*Shaw Propeller Co., 15 Elkins
*Shawmut Machinery Co. (Shoe Mach'y), 82 Lincoln
*Shipman Machine Co., 218 Summer
†Smith & Anthony Co. (Stoves Works), 52 Union. Works: Wakefield, Mass.
*†Smith & Lovett Co. (Builders' Castings & Machine Work), 135 Tyler
§Snow W. A. Iron Works, Inc. (Architectural), 32 Portland
*Souther John & Co. (Dredging, Machines, etc.), 101 Tremont
*§Standard Rivet Co. (Rivet & Staple Setting Machines, etc), 41 Lincoln
Standard Saw & Tool Mfg. Co., Inc., 10 Damrell
*Standard Shoe Tying Machine Co., 19 Lincoln
*Stanley Co. (Gasoline Engines), 79 Milk
*§Star Brass Mfg. Co. (Steam Specialties & Brass Fdrs.), 53 Oliver
§Star Refining Co. (Brass Fdrs., Babbitt Metal, etc.), 116 W. First
*Stevens Type & Press Co., 183 High
*Strater Herman & Sons (Brass Fdrs. & Finishers, Bar Fixtures, etc), 74 Sudbury
*Sturtevant Mill Co. (Crushing & Pulverizing Machy.), Dorchester
§Swett & Sibley Co., 46 Cornhill
*Tauck F. N. Mfg. Co., 370 Atlantic
*Frank F. N. Mfg. Co., 370 Atlantic av
*Terkelsen & Weinberg, 328 A
*Thoner & Martens, 127 Purchase
*Tolman Mfg. Co., 19 W Third
*Trimount Rotary Power Co. (Pump Manufacturers), 18 Heath
*Tufts Nathaniel Meter Co. (Gas Meters), 455 Commercial
*Union Button Sewing Co., 394 Atlantic av
*Union Gear & Machine Co. (Gears, etc), 27 Purchase
*Union Lock Stitch Co. (Sewing Machines), E. Boston
*United Hammer Co. (Power Hammers, etc.), 45 Bromfield
*§United Injector Co., 23 Watson
*United Mattress Machinery Co., 19 Milk
*United Printing Machinery Co. (Printing & Litho. Machy., etc.), 100 Summer
*†United Shoe Machinery Co. (Shoe Machinery), 205 Lincoln
*United States Automatic Box Machy. Co., 172 Green, Jamaica Plain
*Universal Winding Co. ("Leesona" Textile Machinery), 95 South
*Up-To-Date Tool Co., No. 81 Wareham, Boston 18
*See adv index at end of book*
§Vannevar E. B. Co.
*Wade Machine Co. (Punches, Dies, etc.), 817 Albany
*Wade American Tool Co., 311 Atlantic av
*†Walker & Pratt Mfg. Co. (Stoves, Radiators, etc), 31 Union
*†§Walworth Mfg. Co. (Pipe Cutting & Threading Machines, Stocks & Dies, & Iron & Brass Fdrs., etc), First, S B
†Waters Governor Co., 141 Milk
*Welch T. F. Co. (Gears & Specialties), 55 Sudbury
*Whitney F. E., 65 Sudbury
*†Whittier Machine Co. (Elevators, Iron Fdrs., etc.), 34 India
†*Wollaston Fdy. Co.
*Woods S. A. Machine Co (Woodworking Machy., etc), 27 Damrell

BRAINTREE—*Dow Mfg. Co. (Spark Plugs., etc.)

BRIDGEWATER—*Continental Gin Co. (Cotton Gins, etc.)
*†§Perkins Henry Co. (Iron Fdrs. & Wire Nail Machy.)
*†§Stanley Works. (See New Britain, Conn.)

BROCKTON—*Bostock Thos. & Sons (Machinists)
*Brockton Die Co.
*Donnelly Machine Co.
*Independent Die Co.
*Kimball Bros. & Sprague (Nail Mill & Tack Machy, etc.)
*Knight Geo. & Co. (Machinists)
†Le Baron E. L. Foundry Co.
*Miller O. A. Treeing Machine Co.
†New England Fdry & Machine Co.
*Scott Geo. V. (Machinists)
*Tuck Mfg. Co. (Shoe Knives, etc)
*†United Shoe Machinery Co. (Shoe Machy.). (See Boston, Mass.)

BROOKLINE—*†Holtzer-Cabot Electric Co. (Electric Mach & Specialties) 125 Amory
*Ritchie E. S. & Sons (Current Meters)

CAMBRIDGE—*Advance Machine Co. (Embossing Machines)
*§Ashton Valve Co. (Steam & Water Specialties & Brass Fdrs.), 161 First
†Barbour Stockwell Co. (Street Railway Specialties & Castings)
*Blanchard Machine Co. (Machine Tools)
*Boston Bridge Works (See Boston)
*Boston Machine Screw Co., 17 Tudor
*§Boston Woven Hose & Rubber Co. (Hose Couplings, Nozzles, etc.)
†Broadway Iron Foundry Co. (Iron Fdrs.)
*†Cambridge Iron Works (Castings, etc.)
*Carpenter L. A. Press Metal Co.
Carroll A. P. Machine Co., 92 B'way
*Clark & Mills Elec. Co. (Electric Specialties)
Crofoot Gear Works (Gears)
*Elliott Co. (Addressing Machines), 143 Albany
*Davis F. H. (Paper Mill Machinery) (See Boston, Mass.)
*Dyer G. H. Company
*§Essex Brass Foundry Co.
*Excel Mfg. Co., 7 Sherman
*Field Walter W. & Son (Hoisting Engines, etc.)
*General Radio Co. (Wireless Telegraph Apparatus), 11 Windsor
*Holmes Chas. Leather Working Machinery Co.
*†Roberts Iron Works Co. (Fdrs., etc.)
*Seelye Mfg. Co. (Shoe Machy., etc.)
*Shaw, Hamlin J.
*Simplex Electric Heating Co.
*†§Worthington Pump & Machinery Corp. (Blake & Knowles Works)

MASSACHUSETTS—continued

CAMPELLO—†Grant Bros.
†N. E. Fdy. & Machy. Co.
Precision Tool Co. ( Screw Machine Products, Tools, etc)
CANTON—*Samson Electric Co. (Electrical Goods, etc.)
CHARLESTOWN—Eclipse Machine Tool Co., 7 Sherman
CHELSEA—*Connolly Steel Casting Co. (Steel Castings)
*†Griffin Wheel Co. (Car Wheels) (See Chicago, Ill.)
*†Lovewell-Henrici Co. (Laundry Machy.)
*†Magee Furnace Co. (See Boston, Mass.)
†Market Forge Co.
†Smith A. L. Iron Works (Ornamental Iron Work, etc.)
*†Snow W. A. Iron Works (Stable Fixtures & Ornamental Iron Works, etc.)
*§Union Metal Works
CHICOPEE—§Ames Sword Co.
*†§Spalding A. G. & Bros. Mfg. Co.
CHICOPEE FALLS—*†Belcher & Taylor Agricultural Tool Co. (Agri. Implements & Tools)
*†Lamb Knitting Machine Co. (Textile Machy.)
*National Scale Co. (Counting Machines, Trucks, etc.), 11 Hendricks
*Stevens J. Arms Co. (Fire Arms & Accessories)
CLINTON—*†§Clinton Foundry Co. (Machinists' Iron & Brass Castings for Builders & Machinery)
*Clinton Wire Cloth Co.
*Gibbs Loom Harness & Reed Co. (Textile Machinery)
CONCORD—*Hancock W. C.
CONWAY—*Conant & Donelson Co. (Screw Cutting Tools, etc.)
§Buckley J. N.
DALTON—*Jordan G. J. (Machinists)
DANVERS—*Nightingale J. E.
EAST BRIDGEWATER—*†Carver Cotton Gin Co. (Cotton Gins, etc.)
†§Old Colony Foundry Co.
EAST BRIMFIELD—*Snell Mfg. Co. (Ship Augers, etc.) See Fiskdale
EAST PEPPERELL—*Blake H. & Son (Machinists)
EASTHAMPTON — †Easthampton Fdy. Co.
EASTON—†Belcher Malleable Iron Co. Malleable Iron & Steel Castings)
EAST TEMPLETON—Bay State Metal Wheel Co.
EVERETT—*Bent G. W. Co. (Iron & Brass Bedsteads)
*Blount J. G. Co. (Machine Tools)
§Downs B. J.
*†National Metallic Bed Co.
*New England Gas & Coke Co. (See Boston)
*†New England Structural Co. (Bldrs.' Iron & Steel Work)
*Porter Henry K. (Bolt Clippers, etc), 6 Ashland.
*See adv index at end of book*
FAIRHAVEN—*†Fairhaven Iron Foundry Co. (Iron Fdrs. & Steam Motors, etc.)
FALL RIVER—*Ashworth Bros.
*Bates Geo. A. & Son (Machinists)
*Coldwell Gildard Co. (Cotton Machinery)
*†Cote Piano Mfg. Co.
*Covel Machine Co. (Machinsits)
§Creighton Thos. J. & Co.
*†§Fall River Fdry. & Machine Co. (Iron & Brass Castings & Cotton Machy.)
*Fall River Steam & Gas Pipe Co. (Machinists, etc.)
*Fyans, Fraser & Blackway Co.
*Kay H. E. (Est. of) (Lathes, Chucks)
*†§Kilburn, Lincoln Machine Co. (Textile Machinery, Looms & Water Wheels, etc.)
*†§Mechanics' Foundry & Machine Co. (Iron & Brass Fdrs. & Machinists)
*Shea Bros. (Machinists)
*Thurston A. G. & Son (Machinists)
FISKDALE—*Snell Mfg. Co. (Augurs, Bits, Countersinks, Nails, etc.)
FITCHBURG—*Blake Pump & Condenser Co. (Steam Pumps & Condensers)
*Brown Bag Filling Machine Co. (Paper Bag & Envelope Machines, etc.)
*Cowdrey C. H. Machine Works (Special Machinery)
*Deane Machine Co. (Special Machy., etc)
Fitchburg Automatic Machine Works
*Fitchburg Grinding Machine Co. (Grinding Machine)
*Fitchburg Machine Works (Turning Lathes)
*Fitchburg Steam Engine Co. (Engines, etc.)
*†Goodnow L. H. Foundry Co. (Iron Fdrs., Heavy Fly Wheels, Engine or Machine Castings)
*§Hardy Wm. A. & Sons Co. (Brass & Bronze Castings, Screen & Suction Plates, etc.)
*†Johnson's Iver Arms & Cycle Works (Fire Arms, Bicycles, etc.)
†Perault Moses J. (Iron Castings, Fly Wheels, Pulleys, etc.)
*†§Putnam Machine Co. (Lathes, Planing Machines, etc)
*Simonds File Co. (Files, etc.)
*SIMONDS MFG. CO. (Saws, Machine Knives, etc.)
*See adv index at end of book*
*Tyrrell Harian P.
*†Union Foundry Co.
*†Union Machine Co. (Paper & Pulp Mill Machinery & Iron Fdrs.)
Union Screen & Plate Co. (Brass Fdrs, Screen & Suction Plates, etc.)
Universal Grinding Machine Co.
*Waymoth A. D. & Co. (Variety Wood-Turning Lathe)
§Welch E. J. & Co. (Brass Fdrs.)
*Wilder Chas. W. (Wood-Turning Lathes, etc.)
FLORENCE—*†§Florence Mfg. Co. (Oil Stoves, etc.)
†Northampton Iron Wks.
*†Norwood Engineering Co. (Iron Fdrs. & Machinists, Fire Hydrants, Water Filters for Mills, etc.)
FRAMINGHAM—*†Ames Plow Co.
Framingham Fdries. (Grey Iron Castings)
*International Engineering Works (Steam Boilers & Machinists)
*Manufacturing, Equipment & Engineering Co. (Steel Shop & Factory Equipment, etc.)
FRANKLIN—†§*Clark Wm. C.
*†§Golding Mfg. Co. (Printing Machinery)
GARDNER—*Baldwin E. F.
*Bancroft & Barnard (Chair Making Machinery)
†Central Oil & Gas Stove Co. (Oil Stoves & Heaters)
*†§Gardner General Foundry Co.
*Gardner Machine Works (Chair Machy., etc)
†§Hoglund G. E., Foundry Co.
*†McKnight L. G. & Son Co. (Chair & Woodworking Machinery)
*Simplex Time Recorder Co. (Time Recorders)
GLOUCESTER—*Brown Bros. Co.
*†Cape Ann Anchor Works
*§Reed Geo. A. & Son (Iron & Brass Founders, etc.)
*Stoddart Adam P. & Co. (Machinists)
*Success Mfg. Co. (Refrigerators)
GRANITEVILLE *†Sargent's C. G. Sons Corp. (Wool Mchy., etc.)
GREAT BARRINGTON—†Stevens G. A.
GREENFIELD—*AMERICAN TAP & DIE CO. (Taps, Dies, etc.)
*See adv index at end of book*
*Bicknell-Thomas Co. (Tap Chucks, Tapping Attachments & Machines)
*Goodell Mfg. Co. (Machinists' Small Tools, etc.)
*†Goodell-Pratt Co. (Drills, Hack Saws, etc.)
*Greenfield Machine Co. (Grinders)
GREENFIELD TAP & DIE CORP'N ("G. T. D." Taps, Dies, Gages, Machinists' Fine Tools, etc)
*See adv index at end of book*
*†Noyes B. B. Co. (Drills, Vises, etc)
Production Machine Co.
*Russell Mfg. Co. (Stocks, Taps, Dies, etc)
†Smith Fdry. Co.
*§Wing's Sons Chauncy (Pattern Works, etc.)
HARVARD—*Hildreth Bros. (Kindling Wood Machy., etc.)
HATFIELD—*Porter Machine Works (Lathes, etc.)
HAVERHILL—*Briggs Belmar Edge Tool Co.
*Busfield Machine Co. (Machinists)
*Hamel Shoe Machinery Co. (See Lynn)
*Hammond Machine Co. (Wood Heel Machinery)
*Haverhill Fire Appliance Co.
Monfils & Murphy Machine Co.
HAYDENVILLE — *†§Haydenville Co. (Brass & Iron Goods, for Water, Steam & Gas)
Progressive Iron Fdry. & Mach. Co.
HOLBROOK—*C. A. C. Axe Co. (Edge Tools, etc.)
HOLLISTON—*Wilder Sidney & Co. (Pumps, etc.)
HOLYOKE—§Barlow Co. (Brass Castings & Metal Works)
§Church C. F. Mfg. Co. (Plumbers' Supplies)
*Coburn Trolley Track Mfg. Co.
†*Deane Steam Pump Co.
*Ford Auger Bit Co.
§Higgins & Co. (Composition, Brass, Aluminum, Aluminum Bronze, Phospor Bronze, Castings, etc.)
*Holyoke Bar Co. (Machine Knives, etc.)
*†Holyoke Machine Co. (Paper & Pulp Mill, Cotton Mill, Power Transmitting & Wood Barking Machinery)
*†Jolly J. & W. (Paper & Pulp Mill Machinery, etc.)
*Judson & Williams (Screen Plates, etc.)
*Koegel Chas. & Sons (Wire Spooling Machines, etc.)
†*McHugh F'dy Co.
§Paper City Brass Foundry
*†Perkins B. F. & Son (Paper & Pulp Mill Machy.)
*†§Worthington Pump & Machinery Corp. (Deane Works)
HOPEDALE—*†§Draper Corp. (Textile Machinery, Looms, etc)
*Westcott A. A. & Sons (Spindles, etc.)
HUDSON—*Lapointe Machine Tool Co (Keyseat Broaching Machines Toolmakers, etc.)
*Tower Bros. (Machinists)
*Universal Boring Machine Co. (Boring Machines)
*Woodward Machine Co. (Woodworking Machinery)
HYDE PARK—*†§American Tool & Machine Co. (See Boston)
*†Becker Milling Machine Co. (Machine Tools, etc.)
*Robinson John T. Co. (Book Binder, Card Cutter & Paper Box Machy.)
*†§Sturtevant B. F. Co. ("Sturtevant" Blowers, Engines, Generating Sets, etc), 15 Damon
INDIAN ORCHARD — *†§Chapman Valve Mfg. Co. (Valves, Hydrants, Water Works Supplies, etc.)
*Hough Cash Recorder Co.
*Metallic Drawing Roll Co. (Textile Machinery, etc.)
LAWRENCE—†Davis Foundry Co. (Iron Fdrs.)
*Dillon Machine Co. (Paper Mill Machinery)
*Eagle Knife & Bar Co.
*Emerson Mfg. Co. (Paper & Pulp Mill Machy.)
§Fallon T. F. & Co.
§Gallison F. L.
*†Hamblet Machine Co. (Paper Mill Machinery)
†Hart Foundry Co. (Grey Iron Castings)
*†Horne J. H. & Sons Co. (Paper Mill Machinery, etc.)
*§Keeble Alex. K. (Machinists & Brass Finishers)
*Lawrence Machine Co. (Pumps, etc), 42 Island
*See adv index at end of book*
*Lawrence Pump & Engine Co. (Pumps, etc.)
*McCabe E. & Co. (Machinists)
*Mills Machine Co. (Paper & Pulp Machinery)
*Smith Samuel Machine Co., 620 Essex
*Smith W. & Sons
*Speed & Stephenson (Textile Machinery)
*Sprague L. Co. (Bobbins, etc.)
*§Watts Regulator Co (Machinists & Brass Finishers)
LEE—*†§Clark H. C. & Son Machine Co. (Paper Mill Machinery, etc.)

LEEDS—*Cahill P. J.
LEOMINSTER—*Cook F. H. & Co. (Comb & Hairpin Machy.)
Grimes & Harris (Button Machy.)
*Smith A. A. (Machinist)
LEXINGTON — *§Jefferson Union Co. (Brass Fdrs., Flange Couplings, Pipe Unions, etc.)
LOWELL —*American Mason Safety Tread Co.
*Auto Tire Vulcanizing Co.
*Bagshaw W. H. Co. (Textile Machinery, etc)
*Bennett Bros. Co. (Windmills, Gasoline Engines, etc.)
*Cady Geo. L. & Sons (Machine Tools, Book Trimming Machines, etc.)
*Carey W. W. Co. (Woodworking Machy.)
†City Iron Foundry
*Dennis John Machine Co. (Textile Machy)
*Dodge Chas. S. (Textile Machy, Pickers, etc.)
†Doherty Bros. (Iron Fdrs.)
*Entwistle T. C. Co. (Textile Machy.)
*Gee Chas. E. (Woodworking Machy.)
§*Heinze Elec. Co.
*Hobson Lawler Co.
*Knapp Arthur P.
*Knowles Scale Works (Scales & Weighing Machines)
*Lahue M. M. & Co.
*§Lamson Co. (See Boston, Mass.)
*Lovejoy Daniel & Son (Machine Knives, etc.)
*Lowell Shuttle Co.
Mansfield Fdy. Co.
*Middlesex Machine Co. (Machinists)
†§Pevey Foundry Co. (Iron & Brass Fdrs., etc.)
Reliance Toggle & Machine Co. (Jobbing)
†Robinson James P.
*†§Saco-Lowell Shops (Textile Machinery). Office: Boston
*Turner J. S. Mfg. Co. (Worsted Roll Covering Machines)
§Union Brass Fdry. Co. (Brass & Composition Castings)
*U. S. Bobbin & Shuttle Co.
*U. S. Cartridge Co.
*Upton & Gilman Machine Co.
*Wrigley Wm. & Co.
LYNN—*Boston Machine Works Co.
*Cannon T. J. & Sons Machine Co. (Special Machinery & Tools).
*Cilley W. W. & Co. (Shoe Stitchers)
Cunningham & Birdwood
§Dempsey John F. & Co.
*Dwyer Machine Co.
*Essex Engine Co.
*Essex Machine Co. (Machinists)
*Gallagher Mfg. Co. (Ratchets, Drills, etc.)
*†§GENERAL ELECTRIC CO. (Thomson-Houston Plant). (See Schenectady, N. Y.)
*See adv index at end of book*
*Hamel Shoe Machinery Co. (Shoe Machinery)
*Hemingway Machine Co. (Leather Machinery)
*Holmes E. M. (Machinist)
*Quarmby & Hilliker (Shoe Machy, etc.)
†Smith Iron Foundry (Inc.) (All Kinds of Light and Heavy Castings)
*Stephenson Chas. H. (Bath Room Fixtures)
*Stewart Bros. (Shoe Machy.)
*Thomson Electric Welding Co. (Elec. Welding Machines), 161 Pleasant
*Young W. J. Machinery Co. (Shoe Machinery), 418 Union
MANSFIELD—*Bay State Tap & Die Co. (Taps, Dies, etc.)
*Card S. W. Mfg. Co. (Dies, Taps, Reamers, etc.)
*†Chilson Furnace Co. (Stoves & Ranges)
Mansfield Fdy. Co. (Grey Iron Casting)
†Mansfield Furnace & Coal Co.
†Shields Foundry Co. (Iron Fdrs.)
MARLBORO—†Beaudry T. J. & Son (Rubber Cutting Dies, etc)
*†Parsons Machinery Co. (Special Machinery, etc.)
MEDFORD—*Scott & Sons Co. (Chucks, etc)
*Wellman Co. (Special Machinery)
MELROSE—§*Lane Bros.
MERRIMAC—*§Jonah & George (Brass Specialties)
*§Merrimac Plating Works
§*Murphy G. W. J.
METHUEN—*†Sanborn Furnace Co. (Hot Air Furnaces, etc.)
MIDDLEBORO—*Perkins Lloyd
MILFORD—*Damon J. F. (Machinist)
Hopedale Mfg. Co. Roper Dept. ("Roco" Pumps, Motor Boat Propellers, etc.)
†Milford Iron Foundry (Iron Fdrs.)
MILLBURY—*Buck Chas. Edge Tool Co. (Edge Tools, etc.)
*Millbury Machine Co.
*†Millbury Steel Foundry Co. (Steel Castings, etc.)
MILLERS FALLS—*†Millers Falls Co. (Machinists' Fine Tools & Hardware Specialties, etc.)
NATICK—*Black Diamond Saw & Machine Works (Saw Sharpening Machinery)
*Brewer A. G. (Machinist)
NEW BEDFORD—†Acushnet Iron Co.
*BABBITT STEAM SPECIALTY CO.
*See adv index at end of book*
§Foster Robt. W.
*Gunning Boiler & Machine Co.
§Morse Twist Drill & Machine Co. (Twist Drills, etc.)
†Mt. Pleasant Iron Fdy.
†§New Bedford Boiler & Machine Co. (Valves & Machinists, etc.)
*†New Bedford Foundry & Machine Co.
†*New Bedford Shuttle Co.
*Rankin & Arnold
*Tripp Frank S.
NEWBURYPORT — *†§Russell Albert & Sons Co. (Iron Fdrs. & Machinists)
†Victor Mfg. Co. (Furnace Doors)
NEWTON—*Empire Laundry Machinery Co. (Laundry Machy.). (See Boston, Mass.)
NEWTON CENTER — *Evans Friction Cone Co. (Pulleys, etc.)
*Gooch Arthur M.
NEWTON UPPER FALLS—Gamewell Fire Alarm Telegraph Co.
*†Saco-Lowell Shops (Textile Machinery), Office: 77 Franklin, Boston
NORFOLK DOWNS—*Pneumatic Scale Corp., Ltd. (Automatic Weighing Machinists)
†Wollaston Fdy. Co.
NORTH ADAMS—*Arnold Print Works
†§*Brooklyn St. Fdy. Co.
*†§Hunter Jas. Machine Co. (Power Transmitting & Textile Machy.)
NORTHAMPTON—*Herrick Chas E. (Machinist)
*Siro Carburetor Mfg. Co.
*Starr Package Machinery Co.
NORTH ANDOVER—*†§Davis & Furber Machine Co. (Textile Machy.)
NORTH DIGHTON—†Dighton Fdy. Co.
†North Dighton Cooperative Stove Co. (Stoves)
NORWOOD—†American Brake Shoe & Foundry Co.
*†Plimpton J. E. & Co.
ORANGE—*†Chase Turbine Mfg. Co. (Machinists, Millwrights & Fdrs.)
*†§Hunt Rodney Machine Co. (Textile Machinery, Pumps, etc.)
*Leavitt Machine Co. (Valve Re-Seating Machinery)
*†New Home Sewing Machine Co. (Sewing Machines)
*Union Tool Co. (Lathe Dogs, Tool Holders, Key Seating Tools, etc.)
OSTERVILLE—*§Leonard J. M.
OTTER RIVER—†*Lord, Stone & Co.
PALMER—†§*Palmer Fdy. & Mach. Co.
†Taylor W. B. & Co.
PEABODY—*Boyle John & Co. (Machinists)
*Little G. H.
†Marine Hdwe. Co.
*Newell & Knowlton (Inc.), (Grease Extractors, etc.)
*†Peabody Leather Co. (Leather Machinery, etc.)
*†Turner Tanning Machinery Co. (Hide & Leather Working Machinery)
PITTSFIELD—*†§Chapel A. M. Machine Co.
*†§GENERAL ELECTRIC CO. (See Schenectady, N. Y.)
*See adv index at end of book*
*†Jones E. D. & Sons Co. (Paper Mill & Power Transmitting Machy.)
Pittsfield Spark Coil Co. (Coils, Dynamos, etc)
PLYMOUTH—*Mixter J. W. Saw Tool Co. (Gummer Cutters)
*†Plymouth Foundry Co. (Gas & Oil Stoves, etc.)
QUINCY—B.-C. Co.
*Boston Gear Works (Gears, Bearings, etc, for own product only)
*See adv index at end of book*
*Emery V. J. (Gasoline Engines)
*†§Fore River Shipbuilding Corp. (Iron & Steel Ships & Marine Engines, etc.)
*Kemp John F. & Co.
†Norfolk Iron Co. (Ornamental Iron Works, etc.)
*†Wollaston Foundry Co. (See Boston, Mass.)
READVILLE — *†Stafford Co. (Textile Weaving Machinery, etc.)
ROCHDALE—*Hankey A. & Co. (Knives, etc.)
ROCKLAND—*Arnold H. H. Co.
SAGAMORE—*Keith Car & Mfg. Co. (Car Mfrs.)
SALEM—*Atwood & Morrell (Steam Specialties), 48 Loring av
*Brown-Talbot Machinery Co.
*Dane Machine Co. (Tanners' Machinery)
*Dinsmore Mfg. Co. (Textile Mach.)
†Eagle Iron Foundry (Inc.)
*Goodell Zina (Machinist)
*†§Locke Regulator Co. (Steam Specialties) *See adv index at end of book*
*Merrow Machine Co.
*Patten Paul B. Co. (Machinists)
Ruggles-Klingemann Mfg. Co.
§Salem Brass Foundry
*Salem Elevator Works (Elevators, etc)
*§Spencer Regulator Co. (Steam Specialties, etc.)
*Stanley Co. (Gasoline Engines)
§Waters Andrew S.
SALISBURY—*Weare Samuel W.
SHELBURNE FALLS—*Goodell Tool Co. (Small Tools, etc.)
*Mayhew H. H. Co. (Small Tools, etc.)
SOMERSET—†Somerset Stove Foundry Co. (Stoves)
SOMERVILLE—*Berry Charles E.
*Birch Bros. (Textile Machy.)
*Forg Peter Mfg. Co. (Machinist & Machinery)
*Hanson Machine Co.
Jerguson Gauge & Valve Co., Mystic av & Fellsway
*Roberts Mfg. Co. (Bolt & Wire Clippers, etc.)
*See adv index at end of book*
†Somerville Iron Foundry Co. (Iron Fdrs., etc)
SOUTH BOSTON—*Up-To-Date Tool Co., (Special Machinery), 60 K
*See adv index at end of book*
SOUTH EASTON—*White F. H. & Co.
SOUTH SUDBURY—*†Hurlbut-Rogers Machinery Co. (Machine Tools, etc)
SPENCER—*Goddard John E. (Machinist)
SPRINGFIELD—*American Saw & Mfg. Co., 69 Boyston
*See adv index at end of book*
*Armstrong Walter (Special Machinery)
*†Baush Machine Tool Co. (Machine Tools)
*Bay State Elevator Co. (Elevators)
*†Bemis Car Truck Co. (Electric Car Trucks, etc.)
*Bemis & Call Hardware & Tool Co. (Tools, etc.)
*Blair Mfg. Co. (Lawn Mowers)
*§Brightwood Brass Foundry Co.
*Bullock Mfg. Associates (Watchmakers' Tools, etc.)
*Connery Machine & Tool Co. (Special Machinery & Contract Work), 56 Harrison av
*†Davitt Iron Foundry
*Eldredge Elec. Mfg. Co. (Elec. Specialties)
†Elwell H F Iron Works
§Emory P. P. Mfg. Co. (Brass Finishers & Founders, etc.)
§Engelhard Frank & Sons, 200 Franklin
†Fleming Foundry Co.
*Gilbert & Barker Mfg. Co. (Furnaces)
§Hampden Brass Co. (Brass & Composition Castings)

MASSACHUSETTS—Springfield—cont'd
*†Hampden Corundum Wheel Co. (Emery & Corundum Wheels, Machinery, etc.)
*Hannan-Finton Co. (Machinists)
*§Harley Co. (Aluminum, Brass & Bronze Castings)
*Hendee Mfg. Co. (Motor Cycles)
*Hopkinson Machine Works (Envelope Machines)
*International Machine & Screw Co. (Screw Machines)
*Knox Motors Co. ("Knox" Tractors)
*Marcil & Smith (Jack Screws, etc.)
†*Metals Production Equipment Co.
*Napier Saw Works, Inc. (Saws, etc.)
*National Equipment Co. (Confectioners' Machy.)
*†New England Roller Grate Co. (Grate Bars & Castings of all Descriptions)
*N E Westinghouse Co. (Fire Arms)
*Package Machinery Co. (Wrapping Machines)
*Russell John W. & Sons Co. (Button Machines & Special Machinery)
*S. & I. Co. (Automatic Machinery, etc.)
*Smith C. H. & Co. (Dandy Rolls)
*Smith & Wesson (Revolvers, etc.)
†Springfield Foundry Co. (Builders' Iron Work, etc.)
*Springfield Iron Works (Machine & Drop Forgings, Elevators, Machine Work of all Kinds)
*Springfield Machine Co. (Machinists)
*Stacy E. S. Machine Co. (Machine Work of all Kinds)
§Stebbins E. Mfg. Co. (Brass Fdrs. & Finishers, Plumbers' Brass Goods)
*†Swaine John Iron Works Co.
†Van Norman Machine Tool Co. (Machine Tools)
*Victor Saw Works (Saws, etc.)
*†Wason Mfg. Co. (R. R. Cars, etc.)
*Witherbee Igniter Co.
STONEHAM—*Patchett Tom
TAUNTON—*†Cell Drier Machine Co.
*Dary Ring Traveler Co. (Ring Travelers, etc)
*†Dighton Foundry Co. (Stoves, etc)
*Etna Co. (Twist Drills, etc.)
†Leonard & Baker Stove Co.
*Lincoln Twist Drill Co. (Drills, etc.)
*†§Mason Machine Works (Textile Machinery)
†*Nelson Mach. Co.
*New Process Twist Drill Co. (Twist Drills)
†North Dighton Co-Operative Stove Co.
§Reed & Barton Corp'n (Drills, etc.)
*Strange Chas. E. (Box Makers', Stave & Heading Machy., etc.)
*§Taunton-New Bedford Copper Co.
†Thomas Oscar G. Co. (Stoves & Iron Fdry.)
§Trefethen D. A. (Brass Founder & Finisher)
*†Weir Stove Co. (Stoves)
†White-Warner Co. (Stoves, etc.)
TURNERS FALLS—§Blassberg M.
Martin Machine Co. (Marking Machines)
§†Montague Machine Co.
WAKEFIELD—Gibby Foundry Co.
§*Sanitas Mfg. Co.
†Smith Fdry. Co.
*†§Smith & Anthony Co. (Stoves, etc.) (See Boston, Mass.)
WALPOLE—*†Fales L. F. (Paper Slitting Machines, Sewing Machines, etc.)
WALTHAM—**AMES B. C. CO.** (Bench Lathes & Bench Machinery, North Station. *See adv index at end of book*
§Boston Brass Co. (Plumbers' Brass Work, Finishers & Platers) *See adv index at end of book*
*Clement W. D. (Watchmakers' Tools)
*§Crescent Park Brass Foundry
*†§Davis & Farnum Mfg. Co. (Cast Iron Pipe, etc.)
*Derbyshire F. W. (Watchmakers' Tools)
§*Metz Co.
Nichols W. H. (High Grade Machinery & Machine Parts)
*Stark Tool Co. (Clock & Watchmakers' Tools, Precision Lathes, etc.)
*Superior Corundum Wheel Co. (Grinding & Wheels, etc)
*Waltham Grinding Wheel Co.
†§Waltham Foundry Co. (Iron & Brass Castings, etc.)
*Waltham Machine Works (Small Automatic Machinery)
Waltham Micrometer Dial Guage Co. Watchmakers' Tool), 248 Ash
*Waltham Watch Co. (Watches, etc.)
WARREN—*†§Perkins Machine Co. (Drop Hammers, Power Presses, Punching & Shearing Machy., etc)
*†Warren Steam Pump Co. (Steam Pumps, etc.)
WATERTOWN — *Massachusetts Blower Co.
†§*U. S. Arsenal Fdy.
*†Walker & Pratt Mfg. Co. (Stoves, Furnaces, Radiators, Cooking Apparatus, etc.) Office: Boston, Mass.
WEBSTER—*†§Prescott J. B. & Son.
WESTBORO—†§Foster, Richardson Co.
WEST BOYLSTON—*Ovenden W. C.
WESTFIELD—†Bay State Fdy. Co.
*Foster Machine Co. (Machinists & Textile Machy.)
*Hinsman Machine & Tool Co. (Special Machinery, Models, Gauges, Jigs, Fixtures, etc)
*Palmer Henry A. (Machinist)
*†Smith H. B. Co. (Steam Heating Apparatus, Boilers, Radiators, etc)
Try-Me Mfg. Co.
WEST LYNN—†§*General Elec. Co.
WEST MANSFIELD—*Richardson & Bottomley (Shuttle Irons, etc.)
WEST NEWTON — *American Electric Tool Co. (Electric Portable Tools)
*Miller Trolley Shoe Co. (Contract Work)
WEST WAREHAM—*†§Tremont Nail Co.
WHITINSVILLE — *†§Whitin Machine Works (Textile Machy.)
*Whitinsville Spinning Ring Co.
WHITMAN—*Pearson Walter (Machinist)
WILLIAMSBURG — *Thayer Mfg. Co. (Small Tools, etc.)
WINCHENDON—*†§Alaska Freezer Co. (Ice Cream Freezers, etc.)
*Goodspeed Machine Co. (Woodworking Machinery)
†Hill & Bosley (Iron Founders)
*New England Lock & Hinge Co.
*†Whitney Baxter D. & Son (Woodworking Machy.)
WINCHESTER—*Hutchinson Leather Machine Co.
*Whitney Machine Co. (Tannery Machinery)
WOBURN—*Hjorth Lathe & Tool Co. (Tools, Dies, etc) Office, 27 School, Boston, Mass.
†Woburn Iron Foundry, Inc. (Grey Iron Castings & Grate Bars)
*†§Woburn Machine Co. (Machinists & Millwrights)
WOLLASTON—†Boston Sash Weight Co.
*Emery V. J.
*§Hall Wm. Co. (Special Machinery)
*†Wollaston Foundry Co. (Machy., Piano Plate & Light Castings)
WORCESTER—*Adams John J. (Dies, Shoe Machy., etc.)
*†§**AMERICAN STEEL & WIRE CO.** *See adv index at end of book*
*†Ames Plow Co. (See Boston)
†Arcade Malleable Iron Co. (Malleable Iron Castings)
*Batch John Co., Inc. (Special Machinery), 8 Grafton
*Bradley Osgood Car Co. (Railway Cars, Castings, Wheels, etc.)
*Brierly-Lombard Co. (Woolen Machy.)
*Brownell G. L. (Spring Twisting & Spinning Machy., etc.)
*Burlingame A. Co. (Steam Engines, etc.)
Burlingame S. F. (Gas Engines, etc)
*Coates Clipper Mfg. Co. (Sheep Clippers, Flexible Shafts, etc.)
*COES, LORING & CO. (INC.) (Machine Knives, etc), Coes sq *See adv index at end of book*
*COES WRENCH CO. (Wrenches etc.), Coes sq. *See adv index at end of book*
†Colvin Estate of J. A.
*Commercial Welding & Machine Co.
*Coppus Engineering & Equipment Co.
*†Crompton & Knowles Loom Works (Textile Machy.)
*†Curtis & Marble Machine Co. (Textile)
*Dines Wm. L. Jr. Co. (Special Machy.)
*Eastern Bridge & Structural Co., 8 Cushing *See adv index at end of book*
*Economic Machy Co. (Label Mach.)
*Elliott & Hall (Cloth Folders)
*Fairbanks Geo. L. & Son
*Forbes & Myers, 169 Union *See adv index at end of book*
*Gessner David Co. (Textile Machinery)
*Hardy L. Co. (Machine Knives, etc.)
*Harrington & Richardson Arms Co. (Fire Arms, etc.)
*Harwood & Quincy Machine Co. (Woolen Machines)
*Heald Machine Co. (Machine Tools & Grinding Machy.)
*Hobbs Mfg. Co. (Paper Box Machy., contracting, etc.)
*†§Holyoke Machine Co. (See Holyoke, Mass.)
*Houghton Mfg. Co. (Sheet Metal Stamping)
*Hubbard Machine Co. (Textile Machinery & Parts)
*Jacques John & Son (Shears & Card Cutting Machinery)
*Jencks E. Mfg. Co. (Wire Goods)
*Johnson & Bassett (Wool Spinning)
*Kidder R. E. Co. (Woodworking & Special Machines, etc)
*Leland-Gifford Co. (Crankshafts, Machine Tools, etc.)
*Lowell Wrench Co. (Ratchet Die Stocks, Drills, etc.) *See adv index at end of book*
*Luther B. G. Co. (Woodworking Machinery, etc.)
*McMahon & Co. (Friction Clutches, Pulleys, etc.)
*Mackin Steppen (Jobbing), 35 North Foster
Mafreto Machine & Tool Co. (Machinists' Tools, etc.)
Mason Marcus & Co., Inc (Coffee Machinery)
*Matthews Mfg. Co. (Stove Trimmings, etc.), 104 Gold
*†Morgan Construction Co. (Wire & Rolling Mill Machy., etc.)
*Norton Grinding Co. (Grinding Wheels, Grinding & Polishing Machinery, etc.)
†Pero Foundry Co.
*Persons-Arter Machine Co. (Surface Grinders & Magnetic Chucks)
*†Pond L. W. Machine & Foundry Co. (Grey Iron Castings, etc.)
*Reed Francis Co. (Upright Drills, etc.)
*†Reed-Prentice Co. (Machine Tools, Grey Iron Castings, etc.). Sales Office: 53 Franklin, Boston
*§Reed & Prince Mfg. Co.
*†§Rice, Barton & Fales Machine Iron Co. (Paper & Pulp Mill Machinery)
*†Richardson Mfg. Co. (Mowing Machines, etc.)
§Riordan Brass Fdy.
*Robbins Machine Co. (Lathes, etc.)
§Rockwood Sprinkler Co.
*Roy B. S. & Son Co. (Textile Machy., etc.)
*Savels O. M. & Co. (Dies, etc.)
Sheppard J. E. Co. (Envelopes, Machinery, etc.)
*Sleeper & Hartley, Inc. (Automatic Wire Spring Machinery), 335 Chandler *See adv index at end of book*
Smith Thos. Co.
*Snyder J. E. & Son (Machine Tools)
†Standard Foundry Co. (Machy. Castings, etc.)
*Standard Plunger Elevator Co. (Elevator Builders, etc.)
†Steele W. M. (Switches & Switchboards)
*Stockbridge Machine Co. (Shaping Machines, etc.)
Summit Machine Works (Lathes), 54 Hermon
§Taylor Walter B.
*Tolman I. W. (Jobbing)
*§Union Water Meter Co. (Water Meters, Regulators, etc.)
Vernon Machine Co. (Engine Lathe)
*Walker O. S. Co. (Machine Tool Grinders, etc)
*†Washburn Shop
§Wells Chemical Bronze Wks. (Brass, Copper, Tin, Zinc, Comp. & Bronze Castings)

*Westlund C. G. Co. (Friction Clutches, Grinding Machines, etc.) 498 Millbury
*†Whitcomb-Blaisdell Machine Tool Co. (Machine Tools, etc.)
Wickwire Spencer Steel Corp. (Ag'l & Machy., Spring, etc)
*See adv index at end of book*
*Windle J. E. (Textile Machinery)
Winslow Samuel Skate Mfg. Co.
*Woodward & Powell Planer Co. (Machine Tools, etc.)
§Worcester Brass Co.
*Worcester Electric & Mfg. Co. (Electric Switches, etc.)
*Worcester Gear Works, Inc., 33 North Foster
*Worcester Lawn Mower Co. (Lawn Mowers, etc.)
*Worcester Loom Works
†Worcester Pattern & Model Co.
*†Worcester Pressed Steel Co. (Stove Trimmings, Auto & Bicycle Parts, Ferrules, etc.)
*Worcester Stamped Metal Co. (Dies, Discs, etc), 9 Hunt
†Wyman-Gordon Co.
WRENTHAM—*Winter Bros. Co. (Taps & Dies, etc.)

## MICHIGAN

ADRIAN—†Adrian Steel Casting Co. (Grey Iron & Crucible Steel Castings)
*Bond Steel Post Co. (Steel Posts, etc)
*Church Bros. (Pumps, Gas Engines, etc.)
*Page Steel & Wire Co. (Machine Shop for the Company's Own Use)
ALBION—†Albion Malleable Iron Co. (Agricultural Implements & Carriage Castings)
*†§Gale Mfg. Co.
†§Nixon & Glascoff
*Richards J. A. (Printing Machy.)
ALLEGAN—†§Allegan Fdy. Mach. Co.
Blood Bros. Machine Co. (Auto Specialties)
†*Union Steel Products Co.
ALMA—†Alma Standard Foundry Mfg. Co.
*†Montigel J. M. (Agricultural Implements), etc.)
ALMONT—*†Almont Mfg. Co.
ALPENA—*†§Besser Mfg. Co.
†§*French N. C.
*§Hanson Andrew
*†§Kline Lewis T. (Excelsior Machines, Baling Presses, Automatic Lathes, etc.)
†Northern Foundry Co.
ANN ARBOR—*†Ann Arbor Machine Co. Agrl. Implts., Hay Presses, etc.)
*Economy Baler Co. (Baling Presses, etc.)
*Hoover Steel Ball Co. (Steel Balls)
BAD AXE—†Huron Fdy. Implement Co.
BANCRAFT—†*Devereaux Ward
BATTLE CREEK—*A. B. Stove Co. (Casters, Gasoline Stoves, etc.)
*Advance Pump & Compressor Co. (Steam Pumps), Flint Division
†*Advance Rumely Co.
†§Ajax Enameling & Fdy. Co.
*†§American Steam Pump Co. (Steam Pumps, etc.)
*†Brennan John & Co. (Boilers, etc.)
*†§Duplex Printing Press Co.
§Franklin Brass Co. (Castings)
*Globe Mfg. Co. (Nebulizers, Elec. Air Pumps, Comp. Air Vibrators, etc.)
*Hart R. A. (Printers Machy.)
*Johnson Automatic Sealer Co., Ltd. (Sealing Machinery)
*†Nichols & Shepard Co. (Agl. Implts.)
*Ritchie G. & Sons
*†Rumely M. Co.
*§Sherman H. B. Mfg. Co. (Brass Founders & Finishers)
*†§Union Steam Pump Co. (Steam Pumps, etc.)
*†Unted States Register Co., Ltd. (Hot Air Register)
BAY CITY—†§*Bay City Fdy. & Mach. Co.
*†§Bay City Iron Mo.
*†§Garland M. Co. (Saw Mill Machy., Steam Engines, Iron Fdrs., etc.)
§*Great Lakes Brass Fdy.
*†§Industrial Works, (Cranes, Hoisting Engines, etc.) 11th & Wash.)
*Meister R. & Son (Machinery)
*Pierce-Budd Co. (Gasoline Engines)
*Smalley-General Co. (Gasoline Engs.)
*Zagelmeyer Cast Stone Block Machy. Co.
BELDING—*Belding-Hall Co. (Refrigs.)
§Grand Rapids Brass Co.
BENTON HARBOR—*Baker-Vawter Co. (Adding Machines)
*†Baute Henry
§Benton Harbor Brass Fdy.
†§Benton Harbor Brass & Iron Co.
†§Benton Harbor Malleable Fdry Co. (Malleable Iron Castings & Journal Boxes)
†§Benton Iron & Brass Fdys.
*†Covel Mfg. Co. (Saw Sharpening & File Room Machinery)
*Crary Machine Works
*Lutes-Sinclair Co. (Laundry Machy.)
*Morrill & Morley Mfg. Co. (Spray Pumps)
*Rosback F. P. Co. (Printers' & Bookbinders' Machinery, etc)
*Saranac Machine Co. (Book Binders & Wire Stapling Machinery)
BIG RAPIDS—†*Hanchett, Swaze Works
BLAINE—*†Fair Geo. & Son (Plows)
BLISSFIELD—*Blissfield Motor Works (Motors, Drills, Tilting Vises, etc.)
†Davenport Harry C.
BOYNE CITY—*†Conrad Iron Works
BRONSON—†Kipp Wm. A.
BROWN CITY—†*Brown City Mfg. Co.
BUCHANAN—*†Buchanan Electric Steel Co. (See Chicago, Ill.)
*†Lee & Porter Mfg. Co. (Carriage Axles, etc.)
BURR OAK—*†Sheffield Mfg. Co. (Agricultural Implements)
CADILLAC—*†§Cadillac Machine Co.
CARO—*†§Riddle Frank D. (Machinist & Foundry)
CHARLEVOIX—†Washburn O. S. & Son
CHARLOTTE—*†§Beach Mfg. Co (Road Making Machinery)
*§Hancock Mfg. Co. (Anything to Order in Brass)
CHEBOYGAN—*†§Blake H. A. & Son (Brass & Iron Foundry)
†§*Lund J. B. & Sons
CHELSEA—Lewis Spring & Axle Co. (Axles, Springs, etc)
COLDWATER—*§Champion Brass Works (Brass & Aluminum Castings, etc.)
*Loring Sanford (Machinist)
Regal Gasoline Engine Co.
†Titus Thurlow (Iron Foundry)
COMSTOCK—*Davis W. T. & Co.
*†Peer Mfg. Co. (Steam Engines & Power Transmitting Machinery)
CONSTANTINE—*Harvey W. W. & Son (Laundry Machinery)
DEARBORN—Ford Henry & Son
DETROIT—†Acme Foundry Co. (Iron Founders, Gray Iron Castings), Isabella & M. C. R. R.
*§A. D. Mfg. Co. (Plumbers Supplies), 201 Piquette
*§Aluminum Castings Co., 1576 Jos. Campan av
*†American Blower Co. (Engines, Blowers, Fans, etc.), 1400 Russell
*§American Brass & Iron Co. (Brass Bronze & Aluminum Castings), 1 Crystal
*American Bridge Co. (See Pittsburg, Pa.)
*†American Car & Foundry Co., 443 Ferry. (See St. Louis, Mo.)
*§American Injector Co. (Injectors, Lubricators, etc.), 173 14th av
*§American Lubricator Co. (Lubricators & Brass Founders & Finishers, etc.), Summit & Wabash Ry.
†Art Stove Co. (Stoves, etc.), Russell & Milwaukee av
†Atlas Foundry Co., 234 Artillery av
*Baird Machine & Mfg. Co. (Flower Pot Machinery), 265 E Jefferson av
*Bolles J. E., Iron & Wire Works, 288 E. Milwaukee
*Bowen Corp. (Oil & Grease Cups, Oil Hole Covers, etc), 866 W Warren
*Bower Roller Bearing Co. (Roller Bearings), 642 Hart av
§*Brass Products Co., 1067 Palmer
*§Bryant & Berry Co. (Brass Founders, etc), 32 Atwater W
†Buhl Malleable Co. (Grey & Malleable Iron Castings, etc) Wight & Adair
*Burroughs Adding Machine Co. (Adding Machines), 2nd & Burroughs av
*†Byram & Co. (Foundry Machinery, Cars, Cranes, Tumbling Barrels, etc.) 435 Guoin
†§*Cadillac Motor Car Co., 1343 Cass
Cadillac Tool Co., 268 Jefferson
*§Caille Bros. Co. (Coin Operating Machines) 2nd & Amsterdam
*†Campbell Manson & Sons Co., Ltd., 45 Federal (also Kansas City, Mo.)
*Capitol Brass Works (Valves, Brass Founders & Finishers, etc), 596 Franklin
§Carolin R. B., 833 Superior
†§*Central Specialty Co., 1653 St. Aubin
*CHICAGO PNEUMATIC TOOL CO. (Boyer Branch, Pneumatic Tools), 1301 2nd av.
*See adv index at end of book*
*Christe-Kline Forge & Machine Co. (Punches, Dies & Tools, etc), 453 Gudin
§City Brass Fdy., 421 Macomb
Clark Elec. Meter Co., 1330-12th
*§Clayton & Lambert Mfg. Co. (Plumbers' & Tinners' Tools), 1370-80 Beaubien
*Colton Arthur Co. (Pharmaceutical & Special Light Machinery), 782 E Jefferson
§Columbia Castings Co., Ferdinand & Wabash Ry.
*Columbia Engine Co., 1275 Jefferson av
*§Commonwealth Brass Works (Lubricators, Valves, Oilers, etc.)
†Co-operative Foundry Co., 207 Junction av
†§Cope Pattern Works, 41 McDougall
†De Croupet Iron Works, 345 Monroe av
*†Detiaff A. J. Co. (Grey & Malleable Iron Castings, Machinists, etc), 121 E Lafayette
*Detroit Automatic Scale Co. (Computing Scales), 30 Antritam
*§Detroit Brass Works (Cocks, Valves, etc.), 331 Holden
*Detroit Edge Tool Works (Mfrs.), 740 E Woodbridge
*Detroit Engine Works, Kerchol & Connors
*†Detroit Foundry Co., 1 E Grand blvd & Riopelle
*Detroit Gear & Machine Co. (Cut Gears, etc), 129 Franklin
†Detroit Gray Iron Fdy. Co., 401 Wight
*Detroit Grinding Wheel Co. (Grinding Machinery, etc), Jefferson & Field
*Detroit Heating & Lighting Co. (Steam Heating Apparatus, Gas Machines, etc), Lieb & Wight
*Detroit Heating & Refrigerating Co. (Refrigerating Machines, etc), 631 Gratiot
*Detroit Hoist & Machine Co.
*See adv index at end of book*
*§Detroit Lubricator Co. (Lubricators & Steam Separators)
*Detroit Mach. Co. (Contracting Machinists), ft of Hilger av
*§Detroit Motor Casting Co. (Auto Brass Goods and Power Boats), 299 Beaufait av.
†Detroit Register Co. (Hot Air Registers & Hardware Specialties), 88 E Jefferson av
*Detroit River Iron Works (Marine Work, etc), 661 E Atwater
*§Detroit Sanitary Supply Co., 1191 2d
*†§Detroit Shipbuilding Co. (Iron & Steel Ships, Marine Engines & Iron & Brass Founders & Finishers), ft Orleans
†Detroit Steel Casting Co. (Steel Castings), 1243 Michigan
*†Detroit Stoker Co. (Mechanical Stokers, Grey Iron Castings, etc.), 2642 N Grand Boul
*†§Detroit Stove Works (Stoves, Ranges, etc), 1320 Jefferson av
*Detroit Tool Co., 1487 St. Antoine
*Detroit Twist Drill Co. (Twist Drills, Chucks, Reamers, etc), 555 Fort Seeadoert
†§*Detroit Valve & Fittings Co.
*See adv index at end of book*
†Detroit Vapor Stove Co., 1633 Kercheval
*†§Dodge J. Bros., Campau av
§Douglas & Lomason Co., 642 Lincoln
*Ellis Engine Co. (Gasoline Engines), 2843 E Grand boul
*†§Enterprise Foundry Co. (Light Grey Iron Castings), 1127 Warren av E

MICHIGAN—Detroit—continued

*§Essex G. B., Brass Co. (Lubricators & Brass Founders & Finishers), 480 Franklin
†§Fairview Foundry Co., foot of Vanilla
§*Federal Brass Wks., 364 Trombley
Federal Machine Products Co., Farnsworth & Beaufait
†§*Flower Valve Mfg. Co., 107 Parkson
†*Ford Motor Co., Highland Pk
†*Fdy. & Mach. Prod. Co., 71 Fordyce
*Fruchey Mfg. Co. (Tools, Dies, etc), 429 Bagg
*Fuller Co. (Engines & Electric Ventilating Apparatus, etc), 1565 Russell.
*Gear Grinding Machine Co. (Gears, etc), 2296 E Grand blvd
*Gemmer Mfg. Co. (Auto Steering Gears, etc), 741 Merrick
§General Aluminum & Brass Casting Co. (Aluminum & Brass Castings)
*Gies Gear Co. (Transmission Gears), Boydell bldg
*Golden-Belknap & Swartz Co., 1248 Grand River av W
*§Graebert & Sons (Brass Founders & Finishers), 12 Sherman
†§Grant Bros. Foundry Co., 697 Beaufait av
*Gray Motor Co. (Gasoline Marine Motors), Det. Term. R. R. & Mack
*†Great Lakes Engineering Works (See Ecosse, Mich.), Real Est. Exch. bldg
*†Griffin Wheel Co. (See Chicago, Ill.), Beecher & M. C. R. R.
§Hackett Brass Foundry, 220 Lillibridge av
*Hale Motor & Machine Co., 654 Franklin
*§Hall C. M. Lamp Co., Hancock & Rivard
*Hanson Tool & Die Co. (Tools, Dies, etc), 1330 15th
*†§Harvey's A. Sons Mfg. Co. (Steam Heating Apparatus, etc), 28 1st
*Henderson Motorcycle Co. (Motorcycles), 584 Franklin
*§Hensley Trolley & Mfg. Co., 370 Holden av
*Hermann Eng. Co. (Marine Motors), 654 Franklin
*Huetteman & Cramer Co. (Brewers' & Refrigerating Mach., etc), Mack & Beaufait
*†Ideal Furnace Co. (Furnaces, Registers, Heating Specialties, etc.), 88 Jefferson av
*†§Ideal Mfg. Co. (Gas Heaters), Franklin & Dubois
*Ireland & Matthews Mfg. Co. (Stoves) Beard & Chatfield
*Jefferson Iron Works Co. (Machinists) 7 Jefferson av
*†Jenks & Muir Mfg. Co. (Brass & Iron Bedsteads), 1441 Hastings
*Johnston Frederick G., 74 State
†Kahl Fred., 537 Atwater
*Kennedy & Greig, 109 2d av
*Kermath Mfg. Co. (Gasoline Engines), 46 Fort E
Knight Screw Products Co., David Whitney bldg
*Kraetke Bros. (Machine Tools), E Grand blvd & St. Aubin
Ladd John W. Co. (Creamery Machinery & Supplies), 572 W. Lafayette
*Langtry Machine & Tool Co., 700 Commonwealth av
*Lauer Jno. Machine Co. (Crankshafts & Special Machy.), 110 St. Antoine
*Lauhoff Bros. (Flour Mill & Tobacco Machy), 35 Chene
*Liebig Wm. & Co. (Brush Machinery), 96 Leland
*Lloyd Construction Co. (Gas Works Machinery), 860 Greenwood
§Long Mfg. Co., E Grand blvd & Cameron
†§*Lukomski Bros.
*§McCord Mfg. Co., 258 E Gd. blvd
*McDonough Automatic Regulator Co., 716 Grand River av
*§McRAE & ROBERTS CO. (Brass Fdrs. & Steam & Plumbing Brass Goods, etc.), 227 Campbell av
*See adv index at end of book*
§Magnus Co., Inc., 945 Griffin
*Mansfield Steel Corp., 288 E Milwaukee av
§*Master Carburetor Corp.
†*Maxwell Motor Co.
*Mead & Co. (Pulverizing Machy., etc.), 19th & Newark
§Michigan Copper & Brass Co. (Brass Goods etc), 1611 W Jefferson av
*Michigan Engine Valve Co, 115 Columbia W
†Michigan Grey Iron Castings Co. Harbaugh & C
*§Michigan Lubricator Co. (Lubricators, etc), 3643 Beaubien
Michigan Machine Co., 85 Porter
†Michigan Malleable Iron Co. (Malleable Iron Castings, etc) Delray
*†Michigan Sprocket Chain Co. (Conveyors, Sprocket Wheels), Delray
†Michigan Steel Casting Co., 248 Guoin av
*†Michigan Stove Co. (Stoves & Ranges), Adair & Jefferson
Middleditch Benjamin (Screw Cutters, etc)
*Midland Machine Co. (Foundry Molding Machines), 1218 Hastings
†Monarch Foundry Co., Greenwood & G. T.
†Monarch Steel Castings Co. (Steel Castings, Car Couplers, etc), Solvay & Wab. R. R.
†*Moore Edwin C Son, 11 W Elizabeth
*Morehead Mfg. Co. (Steam Traps & Plumbers' Specialties)
Morton Motor Co. (Marine Engines), 974 E Garfield
Motor Products Corp. (Plumbers' Supplies), Mack av & Outer Belt Line
*Mueller Chas. H. & Sons, 75 Shelby
*Murchey Machine & Tool Co. (Pipe Cutting, Threading Machines, etc), 85 Porter
*†§Murphy Iron Works (Smokeless Furnaces), ft. Walker
§National Bronze & Aluminum Castings Co., 974 Garfield
*§National Fulton Brass Mfg. Co. (Brass & Bronze Castings, Bearings, etc.), 28 Brush
*National Iron Works, Berlin & Beaufoit
*National Twist Drill & Tool Co., 1456 Brush
*†Nicholls Wm. H., Inc. (Aluminum Match Plates)
*See adv index at end of book*
§Norrie Brass Foundry, 836 W Fort
*NORTHERN ENGINEERING WKS. (Foundry Equipment, Cranes, Hoists, etc.), 9 Chene
*See adv index at end of book*
*Northway Motor & Mfg. Co. (Gas & Gasoline Engines, Axles, etc), Maybey & G. T. R. R.
*Oelman Machine Co. (Dough Mixing Machinery, etc), 224 St. Antoine
Osborn F. C. (Special Mchy.), 64 Lawrence av
†§Packard Motor Car Co.
*Palmer-Bee Co. (Engineers & Machinists for Power Transmission, etc), 2778 E. Gd. blvd
§*Park McKay
*Pelton & Crane Co. (Elec. Specialties), 246 Harper
*§Penberthy Injector Co. (Engineering & Steam Specialties, etc.), 346 Holden av
*Peninsular Brass Works, Walter & Warren
*Peninsular Emery Wheel Co. (Emery Wheels & Emery Wheel Machy.), 253 Meldrum
*†Peninsular Stove Co. (Coal & Gas Stoves, Ranges & Furnaces)
*Puritan Machine Co. (Slot Machines), Lafayette & 10th
*Reinhold Mfg. Co., 139 Beaubien
§Roberts Brass Mfg. Co. (Plumbers' Brass Goods, etc), 1395 W. Fort
*Rogers Chas. E. (Milk Condensing Machinery, etc), 32 Goldsmith
*Ross & Young Machine Co. (Dies & Tools, etc), Jefferson & McDougall avs
Russel Motor Axle Co. (Motor Truck Axles & Gears) Chene & B. L. R. R.
*†Russel Wheel & Foundry Co. (Cranes, Cars, Wheels, Car Trucks, Castings, Special Machinery, Auto Parts, etc.), Chene & B. L. R. R.
†Schwartz Foundry Co., Fort W & Vermont
*Schweppe & Wilt Mfg. Co. (Gears, etc), Mt. Elliott & Conant
*Scripps Motor Co. (Gasoline Marine Motors), 629 Lincoln av
§Sherwood Brass Works (Brass Finishers, etc), 1167 E. Jefferson.
*§Smith Jos. N. & Co. (Brass Finishers & Platers, Automobile & Bicycle works, etc), 2461 E Gd. blvd
†Smith-Matthews Foundry Co., 650 Bellevue av
*Smith Peter Heater Co. (Car Heaters, etc), 1843 Mt. Elliott
*§Standard Brass Works (Brass Fdrs., etc.), 97 Wight
*Standard Computing Scale Co. (Computing Scales), 30 Library
*Stecker Elec. & Machine Co., Dewey
*†§Stephens Roe Mfg. Co. (Brass Fdrs., Finishers & Steam Brass Goods, etc), 1097 McKinley
*Sterling Motor Co., 1147 W Grand Boul
*§Sterling & Skinner Mfg. Co. (Brass Fdrs. & Finishers & Steam Brass Goods), 2672 E. Grand Boul.
*Stoddard Jakel Machine & Tool Co., Kerr bldg, 100 Beaubien
*Strelinger Marine Engine Co. (Marine Engines), 25 St. Aubin
*§Stuart Foundry Co., 207 Junction
*†§Studebaker Corp.
*Superior Machine & Engng Co., 51 E Fort
†Swedish Crucible Steel Co. (Crucible Steel Castings), Butler & Grand Trunk RR.
*Tessmer Machine & Tool Co., 285 Rivard
*§Thiery & Kendrick Mfg. Co. (Aluminum, Brass & Bronze Castings, etc.), 660 Franklin
Tufting Machine Supply Co. (Leather Measuring Machines), 268 E Jefferson
§*U. S. Novelty & Mfg. Co., Collins & Belt Line
*Wadsworth Mfg. Co. (Oil Engines, etc.) Kercheval & Connors
*Walter Machine Co., 186 Bellevue av
§Walz Christopher, 296 Division
*Waterman Motor Co., 235 Mount Elliott
*†Whitehead & Kales Iron Works (Iron Fdrs. & Steel Structural Work), Beecher av, M. C. R. R.
*Wing J. L. & Co
*Wright-Austin Co. (Steam Traps & Steam Specialties), 97 Woodbridge W

DOWAGIAC—*†Beckwith P. D., Estate of (Stoves, Heaters, etc.)
*†Dowagiac Drill Co. (Agrl. Implts., Seeding Machinery, etc.)
EAST JORDAN—*†§Malpass Bros.
ECORSE—*†Ecorse Foundry & Machine Co. (Castings)
*†§Great Lakes Engineering Works
ESCANABA—*†§Chatfield Brass & Iron Wks. Co.
FENTON—*†Walker Mfg. Co. (Pumping Engines & Castings, etc.)
FERRYSBURG—*†Johnston Bros. (Boilers & Castings, etc.)
FLINT—*Cook Car Journal Cooler Co.
†Flint Fdry. Co.
†Flint Pattern & Foundry Co.
†§*General Motors Corp.
*†Genesee Iron Works (Iron Fdrs.)
§†McCorkell & Hurd
†Michigan Motor Castings Co.
*Walker-Weiss Axle Co. (Automobile Parts, Axles, etc.)
FRANKFORT—*†§Markham F. E.
GLADSTONE—*Marble Arms & Mfg. Co.
GRAND HAVEN—*†American Brass Novelty Co.
*†Challenge Machinery Co. (Printing Presses, etc.)
*†§Dake Engine Co. (Pneumatic Cranes, Hoists & Motors, Stearing Gears, etc.)
*§Grand Haven Brass Foundry
GRAND LEDGE—†*City Iron Wks.
*†Streeter Hiram R.
GRAND RAPIDS—*†§American Seating Co. (See Chicago, Ill.)
*Attwood Brass Works (Auto Mountings & Special Brass Work)
*Baldwin, Tuthill & Bolton (Saw Mill Machy., etc.)
*†Butterworth & Lowe

*Clipper Belt Lacer Co. (Belt Lacing Machines), 974-1042 Front av, N W
†§Connor Foundry Co.
*Dodds Alex. Co. (Woodworking Machinery, etc.)
*Edge Frank & Co. (Saws & Saw Machy.)
*Elliott Machine Co. (Button Fastening Machines)
*Fox Typewriter Co. (Typewriters)
*Globe Vise & Truck Co. (Vises, etc.)
*§GRAND RAPIDS BRASS CO. (Brass Fdrs. & Finishers)
*See adv index at end of book*
†Grand Rapids Foundry Co. (Iron Fdrs.)
*†§Grand Rapids Gas Engine & Yacht Co. (Gas Engines & Yachts)
†Grand Rapids Malleable Works
*§Grand Rapids Refrigerator Co.
*Grand Rapids Textile Machinery Co. (Textile Machinery)
†Haney School Furniture Co.
§Harring F. J. & Co. (Brass Castings, etc.)
*†Hartman H. J. Foundry Co.
†Ideal Foundry Co.
*Imperial Machy. Co. (Woodworking Mchy.)
*§Keeler Brass Co. (Brass Fdrs. & Finishers, etc.)
§Knape & Vogt Mfg. Co.,
*†§Leitelt Adolph Iron Works (Iron Fdry. & Builders' Iron Work, etc.)
*Michigan Wheel Co. (Propeller Blades, Marine Gears, etc.)
*Monarch Machine Mfg. Co. (Saw Mill Machy.)
*Munson Co. (Edge Tools, etc.)
§National Brass Co.
*Oliver Machinery Co. (Woodworking & Pattern Shop Machinery)
*†§Perkins & Co. (Shingle Mill Machinery, Gas Engines, etc.)
*Porter C. O. Machinery Co. (Woodworking Machinery, etc)
*See adv index at end of book*
§Powell Brass Mfg Co
†Rathbone Mfg. Co. (Fireplace Furnishings & Castings)
†§Rempis & Gallmeyer Foundry Co. (Iron & Brass Fdrs. & Concrete Machy.)
Samson Trailer Works
§Standard Brass Foundry Co,
Stanley Fdy Co.
*Tannewitz Works (Special Machinery, etc.)
*Valley City Machine Works (Woodworking & Grinding & Polishing Machinery)
*West Michigan Machine & Tool Co. Ltd.
*West Side Iron Works (Woodworking Machy.)
*Wilmarth & Morman Co. (Drill & Tool Grinders, etc.),
*§Wolverine Brass Works (Brass Fdrs. & Finishers)

GREENVILLE—*†Gordon Hollow Blast Grate Co. (Grate Bars & Woodworking Machinery)
*†Greenville Implement Co. (Plows & Implements)
*†Moore Plow & Implement Co. (Agrl. Implts., Plows, etc.)
*†§Tower R. J Iron Works (Mfrs. Machinery)
*†§Wright C. T. Engine Co.

HANCOCK—*†§Portage Lake Foundry & Machine Co. (Mining Machinery, Castings, Chilled Car Wheels, etc.)
§Ward & Williams

HARBOR SPRINGS—*Shay E. & Son (Machinists, etc.)

HILLSDALE—*†Alamo Mfg. Co. (Gas & Gasoline Engines, etc.)
*†Alco Fdry & Machine Co.

HOLLAND—*Brownwall Engine & Pulley Co. (Gasoline Engines, etc)
*†Buss Machine Works (Machinists)
†*Holland Furnace Co.
*Holland Launch & Engine Co.
†Home Furnace Co.
*§Huntley Machinery Co.
†§Superior Fdy Co.
*Western Machine Tool Works (Machine Tools)

HOLLY—*†§McGonegal Frank E.
†Patterson Mfg. Co.

HOLT—†Nickel F. J. & Sons

HOUGHTON—

HUDSON—*Abbott W. H.
*Abbott & Co. (Carriage Bldrs.' Machinery)
*Hardie Mfg. Co. (Painting & Spraying Machines)
*†Hazen Mfg. Co. (Pumps, etc.)

IONIA—*†§Arnold's G. W. Son
*†Stafford E. H. Mfg. Co.

JACKSON—*Aspinwall Mfg. Co. (Potato Machinery, Planters, Diggers, etc.)
*Butcher & Gage
*Cement Machy. Co. (Concrete Bldg. Block Machinery & Devices)
*Clark E. C. Motor Co. (Motors, etc.)
†Cobb Wm.
*Field-Brundage Engine Works (Gasoline Engines & Motors)
*Fox Machine Co. (Drilling Machines)
*Frost Gear & Forge Co. (Gears, Pinions, etc.)
*Hall-Holmes Mfg. Co. (Concrete Mixers)
*Hutchison Frank (Flour Mill Machy.)
*§Jackson Brass Foundry Co.
*Knickerbocker Co. (Flour Mill & Cement Machy.)
*Lockwood Ash Motor Co. (Gasoline Engines)
†Lusk Bros. Foundry Co.
†Lusk Bros. Foundry Co. (Grey Iron Castings)
*Miles Co. (Concrete Building Block Machines)
*Mott Wheel Works (Auto Wheels & Axles)
*§Novelty Mfg. Co. (Stoves, Hot Air Registers)
†Pioneer Fdy Co., Ltd.
*Sanford James A.
*Sparks-Withington Co. (Ball Bearings)
*Walcott Lathe Co. (Machine Tools, Lathes, etc)

KALKASKA—*Johnson, E. F.

KALAMAZOO—*Armstrong & Veley
*Atlas Press Co., 323 N Park
*Burtt Mfg. Co. (Gasoline Engines)
*†Clark Engine & Boiler Co. (Steam Engines, etc.)
*D'Arcy Spring Co
*†Dutton C. H. Co. (Steam Engines, etc.)
*Foss Engine Works
*General Gas Light Co. (Gas Lighting Appliances)
§Gerline Brass Foundry Co.
*†§Goodale Co
*Harrow Spring Co. (See Milwaukee, Wis.)
*§Henderson-Ames Co. (Regalias, etc.)
*†Hill Curtis Co. (Saw Mill Machy.), (Loco. Driver Boxes)
*Humphrey Co. (Instantaneous Water Heaters, etc.)
*†Kalamazoo Fdry, & Machine Co., 586 E Main
*Kalamazoo Machine & Tool Co.
†§*Kalamazoo Match Plate & Fdy Co.
*†Kalamazoo Railway Supply Co. (Hand & Motor Cars & Railway Supplies, etc.)
*Kalamazoo Spring & Axle Co. (Carriage Springs & Axles, etc.)
*†Kalamazoo Stove Co. (Stoves, etc.)
*†Kalamazoo Tank & Silo Co. (Mach. & Grey Iron Fdrs., etc.)
*Linihan M E (Fanning Mills)
§New Era Mfg. Co.
*Phelps & Bigelow Windmill Co. (Windmills, Pumps, etc.)
*†Reed Fdry. & Mach. Co. (Agrl. Implements & Crucible Steel Castings)
†Riverside Foundry & Galvanizing (Iron Fdrs.)
*Smith & Pomeroy Windmill Co. (Wind Mills, Feed Mills, etc.)
*§Star Brass Works (Brass Castings, Trolley Wheels, etc.)

LANSING—*Acme Engine Co. (Gasoline & Gas Engines, etc.)
*Bates & Edmonds Motor Co.
†Bement Stove Repair Co. (Stoves, Ranges, etc)
*Brownwall Engine & Pulley Co. (Gasoline Engines, etc.)
†Capitol Castings Co.
*Eureka Machine Co.
§Gerson & Carey Co.
*Gifford Engine Co. (Gas Engines)
*Ideal Power Lawn Mower Co. (Mfrs.)
*Jarvis Engine & Machine Works (Engineers & Machinists)
*†Lansing Co. (Car Wheels, Mining Cars, etc.)
*Lansing Forge Co.
*†Lansing Foundry Co.
*Lansing Motor & Pump Co. (Gasoline Motors, etc.)
†§Michigan Brass & Iron Works (Brass & Iron Founders)
*New Way Motor Co. (Gas & Gasoline Engines)
*†§Novo Engine Co. (Gasoline Engines & Castings)
*†§Olds Motor Works (Motors & Gas Engines)
*Original Gas Engine Co. (Gas Engines)
*Prudden Wheel Co., Inc. (Automobile Wheels, etc.)
*Reliance Engineering Co. (Cream Separators, etc.)
†Standard Castings Co.

LAPEER—†Bostick Stove Co. (Stoves & Castings)

LAURIUM—§Lake Superior Brass Fdy. Co. (Brass Founders)

LOWELL—*Lowell Specialty Co. (Spraying Machines)

LUDINGTON—Gile Tractor & Engine Co. (Gasoline Engines, etc.)
*†§Industrial Iron Works

MANISTEE—*†Johnson August N.
*†§Manistee Iron Works Co. (Saw Mill Machinery, Steam Engines, Iron Foundry, etc.)

MARCELLUS—†*Chapman H. L.

MARQUETTE—*†§Lake Shore Engine Works (Marine & Stationary Engines, Iron Fdrs., etc.)
*Longyear E. J. Co. (Diamond Drills)

MARSHALL—*†Lambert Machine Co. (Food Machinery, etc.)
†Marshall Castings Co.
†*Marshall Furnace Co.

MASON—†Fingerle Jno. C. (Iron Fdry.)

MAYVILLE—*†Johnson Wm. J.

MENOMINEE—*Dudley Tool Co. (Tools, Wrenches & Bicycle Specialties)
*§Henes & Keller Co. (Air Pumps, Brass Fdrs., etc.)
*Lloyd Mfg. Co. (Automatic Machy., etc.)
*†§Menominee Electric Mfg. Co.
*†§Prescott Co. (Saw Mill Machy., Pumps, etc)

MILAN—†Ideal Furnace Co.

MONROE—*†§Monroe Fdry. & Furnace Co., (Castings, etc.)
*Monroe Specialty Co.
†Monroe Steel Castings Co. (Crucible Steel Castings)
*†Wilder-Strong Implement Co. (Agl. Implements, etc.)

MOUNT CLEMENS—†Donaldson Bros (Agl. Implements, Plows, Cultivators, Harrows, etc.)
*Phillips & McCreedy

MOUNT MORRIS—*†§Hughes Jno.

MOUNT PLEASANT—*†§Gorham Bros. Co.

MUNISING—†*Munising Fdy Co.

MUSKEGON—†Campbell, Wyant & Cannon Foundry Co.
†Clover Chas. S. (Iron Fdry.)
*Continental Motor Mfg. Co. (Marine Motors, etc.)
†Eagle Iron Works
*§Enterprise Brass Works (Frank Holt, Prop) (Brass Castings & Launch & Engine Trimmings)
*†Gray Iron Foundry
*†Lakeside Foundry
Lakey Foundry & Machine Co.
*Linderman Steel & Machine Co. (Woodworking Machy.)
§Muskegon Aluminum Foundry Co. (Aluminum, Brass & Bronze Castings)
*Muskegon Motor Specialties Co. (Engine Parts)
†*Piston Ring Co.
†*Pyle Pattern Wks. & Mfg. Co.
*Shaw Electric Crane Co. (Main Office, New York City)
*†Simonson J. T. & Co.
*†Standard Malleable Iron Co. (Malleable Iron Castings)
*U. S. Gas Machine Co. (Pressure Blowers & Gas Machines)
†West Michigan Steel Foundry Co. (Steel Castings)

MUSKEGON HEIGHTS—*†Morton Mfg. Co. (Machine Tools)

NASHVILLE—*Taylor John E.

NILES—*†Garden City Fan Co. (Iron Founders & Blowers, Fans, etc.)
*National-Standard Co. (Blowers, Feed Mills, Pumps, etc.)
*†Niles Steel Tank Co.

MICHIGAN—Niles—continued
*†§Welling A. H.
NORTHVILLE—*†§American Bell & Foundry Co. (Bells, etc.)
*Simpson Mercantile Equipment Co. (Wagon Platform & Truck Scales)
OWOSSO—*American Malleable Co. (castings)
†Independent Stove Co. (Stoves)
PETOSKEY—†Blackmer Rotary Pump Co. (Rotary Pumps, etc)
*†§Burnett Foundry & Machine Wks. (Ltd.) (Marine Gasoline Engines etc.)
PLYMOUTH—*†Bennett Mfg. Co. (Air Rifles)
*†Daisy Mfg. Co. (Air Rifles)
*†§Hamilton C. J. & Son (Rifles, Guns, etc.)
*§Markham Air Rifle Co.
PONTIAC—*†Bacon Mfg. Co. (Bean Sorting Machy.)
†*Wilson Fdy & Mach Co.
PORT HURON—*American Machinery Co. (Flour Mill Machy.)
*Anker-Holth Mfg. Co. (Cream Separators)
*†§Draper Mfg. Co. (Valve Facing Tools, etc.)
*§Moak Machine & Tool Co. (Machine Tools & Castings)
†Little Bros. Fdy Co.
Mueller Metals Co. (Forgings, Rod, Sand Castings, Die Castings, Tubing)
*Port Huron Construction Co. (Auto Motors)
*†§Port Huron Engine & Thresher Co. (Agricultural Implements, Traction Engines, etc.)
†Romeo Foundry Co. (threshing machines)
†§Rudge Jno. Foundry Co.
*††United Brass & Aluminum Mfg. Co.
PORTLAND—*Jenkins W. S. & Sons
†*Portland Fdy Co.
RICHMOND—*†Parker Plow Co. (Agrl. Implements)
ROCHESTER—*†Jackson & Co.
ROMULUS—*†Seestedt Henry W.
SAGINAW—*Allington & Curtis Mfg. Co. (Blowers, Exhausters, Dust Collectors, etc.)
§*Am. Cash Register Co.
*American Sandstone Brick Mchy. Co.
*†§Bartlett A. F. & Co. (Mine, Salt & Saw Mill Machinery, Engines & Iron & Brass Castings, etc.)
*Columbia Western Mills. (See New York)
*Erd Motor Co. (Gas & Gasoline Engines, etc.)
†Fair S. & Son
*Ferrell A. T. & Co. (Canning Machinery)
*Heginbottom S. H. & Sons
*Jackson, Church & Wilcox Co.
*†§Jackson & Church Co. (Brick Machinery, etc.)
*Koehler Bros. (Forge & Machine Shop)
*Lufkin Rule Co. (Rules, etc, for own use)
*Morley W. R. & Co. (Woodworking Machy. etc.)
*†Mitts & Merrill
Murray & Maruna
*National Engineering Co.
*†Nelson Bros. Co. (Gasoline Engines)
*†Saginaw Wheelbarrow Co.
*Stork Motor Works Co.
*Valley Boat Co. (Marine Engines)
†§Valley Grey Iron Foundry Co. (Grey Iron Castings, etc.)
*†§Wickes Bros., 512 N Tilder
*Willcox Engng. Co., 1525 Holland
*Wolverine Machine Works
ST. CLAIR—†§*Baldwin Martin
ST. JOHNS—*Farmers' Cement Tile Machine Co. (Cement Tile Machines, etc.)
†§*Industrial Fdy Co.
*Mason F. C. & Co. (Agl. Implts. & Parts)
ST. JOSEPH—*Engberg Electric & Mechanical Works (Machinists, etc)
†Fay-Kultgen Fdy Co.
*†§St. Joseph Iron Works (Basket & Veneer Machinery, etc.)
*Truscott Pierce Engine Co.
*Upton Machine Co.
ST. LOUIS—†§*Alma Standard Fdy. Mfg. Co.
§Lane B. R.
ST. MARYS—Quickwork Co. (Rotary Shears, etc)
SAULT SAINTE MARIE—*†§Hickler Bros. (Marine Work)
Kings B. V. Machine Shop & Fdy.
SEBEWAING—*†Kellogg W. H.
SOUTH HAVEN—†Brayer Wm
*Mapes E. B. & Co. (Peach Pitting Machines)
SPARTA—†Sparta Foundry Co.
STURGIS—*†Freeland B. F. Sons Co. (Iron Tanks, Heaters, etc.)
*§Miller Charles A. Co. (Plumbers' Brass Goods)
*†Morency - Van Buren Mfg. Co. (Plumbers' Specialties)
*Sturgis Machine Co.
TECUMSEH—*†Brewer H. & Co. (Brick Presses & Clay Working Machy., etc)
*†Heesen Bros. Co. (Feed Cookers, Hog Ringers, etc.)
THREE RIVERS—*Armstrong Machine Works (Wire Spokes & Nipples, etc.)
*†§Fairbanks, Morse & Co., Sheffield Plant (R. R. Specialties)
†§Three Rivers Brass Wks.
*†Three Rivers Railway Supply Co. (R. R. Specialties, etc.)
TRAVERSE CITY—*Potato Implement Co. (Corn & Potato Planters, etc.)
*†§Round Harry W. (Iron & Brass Foundry)
*†§Traverse City Iron Works (Iron & Brass Fdrs. & Machinists)
UBLY—†§*Farriby J. W.
VASSAR—*Hammant & Shoop
VICKSBURG—*†§Vicksburg Governor Co.
WYANDOTTE—†Detroit Valve & Fittings & Detroit Brass Works (Malleable Iron Valves & Fittings)
*†Michigan Alkali Co. (Foundry Dept.)
†Regent Stove Co.
YALE—*Yale Machinery Co.
YPSILANTI—*† McCullough W. L. Co.
*†§Michigan Press Co. (Presses & Shears, etc.)
*Thompson O. E. & Sons (Agrl. Implements, etc.)
*†Ypsilanti Hay Press Co. (Hay Presses, etc.)
*†Ypsilanti Machine Works (Flour Mill Machinery, etc.)

## MINNESOTA.

ALBERT LEA—†*Albert Lea Tractor & Mfg. Co.
*§American Gas Machine Co. (Gas Machines, etc)
*Edwards C. D. (Stump Pullers & Ditching Machines)
*†§Veness J. W. (Machinist & Fdry.)
ALEXANDRIA—*Fredenberg M. D.
AUSTIN—*†Austin Foundry Co. (Grey Iron Castings)
BLOOMING PRAIRIE—*Morton Thos. S. & Son
BRAINERD—*†§Parker & Topping Co. (Iron Fdrs., Light & Heavy Castings, etc.)
CALEDONIA—*Caledonia Wagon & Iron Works
CANNON FALLS—*Anderson John J.
CHASKA—*†§Ess Bros.
COLOGNE—*Kohls Wm. (Machinist)
CROOKSTON—*†Crookston Mfg. Co.
DASSEL—*Wreisner Bros.
DULUTH—*†CLYDE IRON WKS. SALES CO. (Hoisting Engines, Log Loaders, Grey Iron Castings, etc).
*See adv index at end of book*
*Crane & Ordway Co.
*§Duluth Brass Works Co. (Railroad Brasses)
*Duluth Gas Engine Works
*†Duluth Iron Works (Marine Engines, etc)
†Duluth Iron & Metal Co.
*Duluth Machinery Co.
*Duluth Iron Works
*†McDougall-Duluth Co. (Steel Shipbuilders)
†Marine Iron & Shipbuilding Works
†§Minn. Radiator Co.
*†National Iron Co. (Hoisting Engines, Hoists, Grey Iron Castings, etc.)
†*Oliver Iron Mining Co.
†Thomsen's L. J. Fdy.
FARIBAULT—†§*Anderson & Sons A.
*†Nutting Truck Co.
*Schimmel-Reid Co. (Sanding Machines)
*†§Winter F. W. & Co.
FAIRMOUNT—†§*Fairmount Gas Engine & Ry. Motor Car Co.
FERGUS FALLS—*†§Fergus Iron Works Co.
GLENCOE—*†Glencoe Fdry. & Machine Co.
HASTINGS—*Estergreen F. E.
HOPKINS—*†§Minneapolis Threshing Machine Co.
KASSON—*Johnson V. C.
LA CRESCENT—†§Smith W. Grubber Co. (Stump Pullers, etc.)
LAKE CITY—*†§Gillett, Eaton & Squire (Engines, etc.)
MADISON—*Berg, Louis O.
MANKATO—Little Giant Co. (Hammers & Agricultural Implements)
*†§Mankato Mfg. Co. (Machinists & Founders)
MINNEAPOLIS—†American Brake Shoe & Foundry Co. (See New York City)
*†American Bridge Co., 629 S. E. 2d. (See Pittsburgh, Pa.)
*American Grain Separator Co. (Grain Cleaning Machy.), Erie & S. E. Essex
*Andrews Heating Co. (Low Pressure Boilers & Steam Heating Specialties)
Bowen Products Corp. (Machine Screw Work & Oiling Devices)
Bros Wm. Boiler & Mfg. Co.
†Bryant J. W. Co., 2601 University av, S E
*†Central Machine Works Co. (Woodworking Machinery & Grey Iron Castings), 1234 Central av
*§Commutator Co. (Copper & Brass Fdrs., Finishers, Commutators, etc.), 121 N 1st
*†§Crown Iron Works Co. (Builders' Iron Work), 1229 Tyler
*†Diamond Iron Works (Grain Elevator, Saw Mill Mchy., etc.), 2d & 18th av N
†Eagle Iron Works, 9th av S & 5th
*Electric Machinery Co. (Motors & Generators), 14th av & N E Tyler
*†§Emerson-Brantingham Implement Co. (Traction Engines), 708 S. 3d. (See Rockford, Ill.)
*Enterprise Machinery Co. (Gasoline Tractors), 1600-8th
*†§Flour City Ornamental Iron Co. (Brass, Iron & Bronze Fdrs., Finishers, Machinists, etc), 27th & 27th av
†§*Gas Traction Fdy. Co.
†Great Western Stove & Repair Co., 312 Hennepin av
†Hauser Bros. Foundry Co., 1859 E. 28th
*Horton Mfg. Co. (Truck Bodies & Varnish Speed Pulleys), 3008 University av
*†§Howell R. R. & Co. (Saw Mill Machinery, etc), 31st av
*Imperial Machinery Co. (Traction Engines), 1611 Central av
†Kausel John
*Keller Mfg. Co., 1328 N. E. Quincy
*†Kinnard & Sons Mfg. Co. (Tractors, etc), 44th av N & Bryant
*Lagerquist Gus (Elevators, etc), 516 N Third
*†Lenhart Wagon Co., 2600 University av
Marvel Machinery Co. (Re-Boring Machines)
†Menzel & Jeffrey Co., 317-9th av
*Mereen-Johnson Machine Co. (Box Machinery), 4400 Lyndale av
*†Minneapolis Bedding Co. (Brass & Iron Bedsteads), E. Henn av & S. E. 5th
*§Minneapolis Brass & Iron Mfg. Co. (Brass Fdrs. & Finishers), 115 N 9th
†Minneapolis Elec. Steel Castings Co., 38th av N. E. & 5th
*Minneapolis Separator Co. (Grain Cleaning Machy.)
*†§Minneapolis Steel & Machinery Co. (Corliss Engines, Heavy Castings, etc), 2854 Minnehaha av
*†Minneapolis Threshing Machine Co. (Agrl. Implt. Mfrs.), Hopkins
*†§Minnesota Moline Plow Co., 401 N. 3d
*National Novelty Co., 519 3d S
†North Star Foundry Co., 32d av & 27th
*§Northern Fire Apparatus Co. (Fire Engines, etc), 2422 Univ. av S. E.
*See adv index at end of book*

*†Northwestern Safe Mfg. Co. (Safes, Bank Vaults, etc.)
*†Owens J. L. Co. (Grain Cleaning Machinery, etc), Fulton & S. E. Huron
*Parten-Blomstrom Mfg. Co., 311 6th av S
*†Peteler Car Co. (car wheels)
*Power Equipment Co., 212 3d av N.
*Progressive Shoe Machinery Co. (Shoe Machinery), 3132 Snelling av
*Pynch E. A. & Co. (Flour Mill Machinery), 311 3d av S.
*Russell Grader Mfg. Co. (Road Machinery), 2005 Univ. av S. E.
†§St. Anthony Iron Wks.
†Salisbury & Satterlee Co. (Iron Bedsteads), 201 S E Main
*Shadegg J. C. Engine Co., 315 S 3d
*†Standard Foundry Co., 984 Central av
*Strong-Scott Mfg. Co. (Feed Mill Machinery, etc), 413 S. 3d
*†Twentieth Century Brass Works Co. (Brass Founders & Launch & Yacht Trimmings, etc), 514 5th av, S
*Twin City Machine Co., Power bldg, Nic Isl.
§Twin City Rapid Transit Co. (Aluminum Brass, Grey Iron & Steel Castings), 11th & Hennepin
*Twin City Separator Co. (Grain Cleaning Machinery), 29th & Colfax av S
*†Union Iron Works, cor 123 Main S. E.
*Western Crucible Steel Casting Co., 2843 Pleasant av
*Willford Mfg. Co. (Flour Mill Machinery), 303 S 3d

MOORHEAD—†*Foulks William
NEW PRAGUE—*†§New Prague Foundry Co.
NEW ULM—*†§Leonhardt Chas. (Power Hammers, etc.)
NORTH BRANCH—*Splittstoser Mfg. Co. (Jobbing)
NORTHFIELD—*Northfield Furnace Co. (Furnaces)
*†Northfield Iron Co. (Concrete Mixers, etc.)
ORTONVILLE—*†§Mullica W. F.
OWATONNA — *†§Owatonna Mfg. Co. (Grain Drills, Seed Sewers, etc.)
*†§North Star Iron Works Co.
*Virtue & Pound Co. (Gasoline Engines)
*†Washington Tool Co. (Tools & Machinery)
PAYNESVILLE—*†Seavey C. W.
PLAINVIEW—*Edwards W. G.
RED WING—*Hjermstad J. M.
*Red Wing Motor Co. (Gas & Gasoline Engines)
REDWOOD FALLS—*Japs Frank A.
ROBBINSDALE—*Pearson E. Martin (Mailing Machines)
ROCHESTER—Marquardt & Ormond
†*Rochester Iron Wks
ST. CLOUD—*†§Granite City Iron Works Co. (Stone Working Machy.)
*†§St. Cloud Iron Works Co. (Granite Cutting & Polishing Machy.)
ST. LOUIS PARK—*Martin M. R. (Grinding Mills
*†§Monitor Drill Co. (Grain Drills, etc.)
ST. PAUL—*†§American Hoist & Derrick Co. (Contractors' & Quarrymen's Machy & Tools)
*Anderson Co. (Agricultural Implts.), 2324 University av
*Auto Engine Works (Auto Engines), University & Griggs
*Borreson Mfg. Co.
*Carpenter Wing Carrier Mfg. Co. (Agricultural Implements)
Chicago House Wrecking Co. of Minn., Inc., 803 Fillmore
*Dahlquist Machinery Co. (Elevator Bldrs., etc.), 240 S Exchange
*Erickson John E., Fillmore av & Walter
*Fosston-Carpenter Co. (Agricultural Implements. Clothes Washing Machines. etc)
*†§Griffin Wheel Co. (See Chicago, Ill.)
*Heck G. J.
*Helwig Mfg. Co. ("Helwig" Pneumatic Tools, etc.)
†§Herzog Iron Works (Ornamental & Structural Steel Work, etc.)
*Joesting & Schilling Co. (Steel Ranges, etc), 379 Sibley
*Johnson C. I. Mfg. Co. (Printers'
*†Johnson W. V. Foundry
*Lee & Hoff Mfg. Co. (Elevators & Machine Work), 65 Water
†Northern Malleable Iron Co. (Malleable Iron Castings), Wells & Forest
*Northwestern Bedding & Mfg. Co., Wycliff N W cor Bradford
*§Northwestern Copper & Brass Wks., 59 W 3d
*†§Orme's Henry Sons (Foundry, etc.)
§St. Paul Brass Foundry Co., 2d & Minnesota
*†ST. PAUL FOUNDRY CO. (Steel Structures & Buildings, also Builders' & Railroad Castings, etc.), Como av & Mackubin.
*See adv index at end of book*
*St. Paul Machine Works (Machinists), 123 W 3d
*St. Paul Machinery Mfg. Co. (Woodworking Machy., etc.), Como & Marion
St. Paul Welding & Mfg. Co., 173 W 3d
*†South Park Foundry & Machine Co. (Radiators, etc.)
†*Standard Conveyor Co.
†§Twin City Iron & Wire Works (Brass & Iron Fdrs., Elevator Enclosures, Fire Escapes, etc), 25 W Water
§*Twin City Lines
*§Union Brass & Metal Mfg. Co. (Plumbers' Brass Goods), Lawson & Mackubin
†Valley Iron Works (Iron Fdrs., etc.)
*Waterous Engine Works Co. (Auto Fire Engines), 62 Robert
*§Western Machine Mfg. Co., 443 Rosabel
*§Wolterstorff Range Co. (Steel Ranges, Furnaces, etc.), 66 E 3d

ST. PETER—†Bornemann Adolph (Grey Iron Castings)
SHAKOPEE — †Minnesota Stove Co. (Stoves)
†§Shakopee Stove Wks.
SOUTH PARK—*†§South Park Foundry & Machine Co. (See St. Paul)
SPRING VALLEY—*Kilburn Edw. (Machinist)
STILLWATER—*Atwood-Jones Mfg. Co.
†Dailey L. W. Stove Wks. (Stoves)
*†Jesse Aug. (Fdry., etc.)
*†§Swain D. M. (Foundry & Machinists)
THIEF RIVER FALLS—†*Thief River Falls Iron Wks.
TWO HARBORS—†§*Duluth & Iron Range Ry. Fdy.
VIRGINIA—*§Virginia Foundry & Machine Co. (Steam Pumps & Brass & Grey Iron Castings)
WADENA—*†§Gehr H. W.
WARREN—*†Warren Machine & Iron Works Co.
WASECA—*Lang & Cochran
WINONA—*Baldwin Bros. (Hand Fire Engines)
*†New Winona Mfg. Co. (Feed Mills, Corn Shellers, etc.)
*Phenix Iron Works (Machinists)
*Pioneer Tractor Mfg. Co. (Traction Engines, etc.)
*Winona Machine & Boat Works (Gasoline Engines, Motor Boats, etc.)
*†§Winona Machine & Foundry Co.
*Winona Motor Co. (Boat Engines)

## MISSISSIPPI.

BOLTON—*Birdsong Mason (Machinist)
BROOKHAVEN—†§*Arrington Fdy & Mach. Co.
COLDWATER—*Perry A. G. Plow Co. (Agrl. Implts.)
COLUMBUS—*†Jacobs F. M.
CORINTH—*†§Adams W. T. Machine Co. (Saw Mill Machy., Engines, etc.)
*†§Corinth Machinery Co.
GREENVILLE—*Berry H. N.
GULFPORT—*†§Dantzler Foundry & Machine Works
*Smith W. R.
HATTIESBURG—*†§Enterprise Foundry & Machine Co.
*†Komp Machy. Co. (Fdry. & Machinist)
HAZLEHURST—*Hazlehurst Machine Shop (Inc.)
JACKSON—*McDonnell Foundry & Machine Co. (Repair Work)
LAUREL—*†§Laurel Machine & Foundry Co.
MERIDIAN—*Hyde Chas. J. (Cotton Presses, etc.)
†§Marty Foundry Co.
*†§Soule Steam Feed Works (Saw Mill Machy.)
MOSS POINT—*†§Blumer Adam
NATCHEZ—*†§Shaw C. P. & Co.
SHUBUTA—†§Brownlee Machine Works
VICKSBURG—*Dutton & Jones Fdry. & Machine Wks.
†§*Robinson B. J.
†§Tickell Jos. & Son
WATERVALLEY—*†§Hendricks Wm. M.
WEST POINT—*Bentley F. A.

## MISSOURI.

AURORA—†§*United Iron Wks. Co.
CALIFORNIA—*California Machine Wks
CAPE GIRARDEAU—*Erlbacher B.
†§*Cape Fdy. & Mach. Co.
CARROLLTON—*Heins Daniel
*Heins W. F. (Pumps)
CARTERVILLE—*†§Webb City & Carterville Foundry & Machine Works
CARTHAGE—*†§Carthage Foundry & Machine Works
*†§Standard Machine Mfg. Co. (Well Drills)
CHILLICOTHE—*†§Chillicothe Iron Co.
*Jenkins Hay Rake & Stacked Co.
CLARKSVILLE—*†§Fletcher W. A.
CLINTON—*Haysler Mfg. Co.
*†§Industrial Iron Works (Grey Iron & Builders Castings, Engines, etc.)
COLUMBIA—*Vannatta A. L. (Stoves, etc.)
CRYSTAL CITY — *†§Pittsburgh Plate Glass Co. (See Pittsburgh, Pa.)
ELDON—Vanesdell Clark
FREDERICKTOWN—*†§Littleton T. R. & Son
GARDEN CITY—*†§Kauffman J. L.
HANNIBAL—†Dildine Bridge & Iron Co.
†§Duffy-Trowbridge Stove Mfg. Co. (Stoves)
†Hannibal Car Wheel & Foundry Co.
*Long E. C. Mfg. Co. (Gasoline Engines)
*Worrell S. E. (Drying Machines)
HARRISONVILLE — †§*Gwathmey Mfg. Co., Inc.
*†Sharp A. J. & Co. (Machinist & Foundry)
HIGGINSVILLE—*†§Raasch G. A.
HUNTSVILLE—†Fleming & Sons Mfg. Co. (Rakes & Hay Stackers)
INDEPENDENCE—*†American Scale Co. (Scales, etc.)
†*Faultless Engine Co.
†§Independence Stove & Foundry Co.
JEFFERSON CITY—*Star Dynamo Co. (Dynamos & Motors)
*†§Tanner Bros.
*† Vetter H. J.
JONESBURG—*Godfrey H. M. (Plows)
JOPLIN—§*Joplin Brass & Metal Co.
*†§Joplin Foundry Co.
*†Rogers Foundry & Mfg. Co.
*†§United Iron Works Co. (See Kansas City)
*†§Webb City & Carterville Foundry & Machine Works (See Webb City)
KANSAS CITY—*†American Gas Engine Co. (Gasoline Engines)
*†American Radiator Co.
*†American Scale Co. (Iron Founders, Scales, etc.)
*Bauer Machine Works Co. (Gas & Gasoline Engines)
*Cameragraph Co., 906 Baltimore av.
*Carr Mfg. Co. (Farm Machinery)
§Central Brass Works Co.
*Chandler Pumps Co.
*City Boiler & Machine Co. (Boilers Repaired & Gen'l Machine Work), 939 W. 8th
§Clarke's Brass Foundry
*Crago's Practical Machine Works
§*Crampton-Farley Brass Co.
*Demster W. R., 1316 Oak
*§Economy Gas Lamp Co.
*Economy Welding Machine Co.
†English Tool & Supply Co.
†Enterprise Foundry Co (Grey Iron Castings)
*†Faultless Engine Co. (Engines, etc.), 1511 Cypress
*Feltes & Donegan (Dies & Tools)
†§*Gate City F'dy Co.
*†§Great Western Mfg. Co., 1221 Union av
*Harbison Mfg. Co. (Implt Supplies, etc.), 1001 Mulberry

MISSOURI—Kansas City—continued
*†Harrigan Safe Co. (Safes, etc.)
*Hervey Machine Works (Special Machinery), 209 Oaks
*Kansas City Elevator Mfg. Co. (Dumb Waiters, Elevators, Hoists, etc.), S E cor 26th & Madison
*Kansas City Engine Works (Gasoline Engines)
*Kansas City Engineering Co., Scarritt bldg
*†Kansas City Hay Press Co. (Hay Presses, Feed Mills, Haying Tools, etc.)
*Kansas City Machine Works (Machinists)
*Kansas City Pump Co.
*†Kansas City Structural Steel Co. (Structural Steel Work)
†Kansas City Wire & Iron Works (Structural Iron Work, etc.)
*Koch Butchers' Supply Co., 519 Wyandotte
†Loewer John E. Wire & Iron Works (Structural Steel), 914 Campbell
Manson Campbell & Sons Co. (fanning mills)
*Mathews Hugh (Cylinder Boring Bars, etc.)
*Murray Machinery Co. (Repair Shops)
*National Machine & Construction Co.
*Neevel Mfg. Co.
*Pitless Auto Turntable Co.
†Prest Heating & Foundry Co. (Iron Founders)
*§Prier Brass Mfg. Co. (Plumbers' Brass Goods, etc.)
†Pugh Foundry Co. (Iron Founders)
Salter Motor Mfg. Co., 1516 Oakland av
*Saunders & Co. (Envelope Sealing Machines), 1700 Brooklyn av
†Security Stove & Mfg. Co. (Stoves, Castings, etc.), 17th & Oakland av
*Sloan Novelty Mfg. Co.
*†§Smith & Son Mfg. Co. (Plows, Hay Presses, Rakes, etc)
*Tilk Frank Ornamental Iron Wks. Co. 211 W 19th
*Triumph Mfg. Co., 500 Delaware
*†§United Iron Works, Inc. (Ice Making, Mining & Cement Machinery), Builders' & other Iron Castings,
*Vogl Tool Co. (Stonecutters' Tools, etc.), 912 E 19th
†West Side Foundry Co.
†*Witte Engine Wks.
KENNETT—*†Kennett Engine & Boiler Works
KIRKSVILLE—*†§Sherwood W. L.
KNOBNOSTER—*Hunter A. J.
LEXINGTON—*Taubman Charles
LINNEUS—*†Superior Hay Stacker Mfg. Co. (Hay Stackers, etc.)
MARYVILLE—*†§Armstrong Wm.
MILAN—*Sevier J. D. Son
MOBERLY—†*Moberly Fdy & Mach. Co.
NEOSHO—*†§Neosho Foundry & Plow Works (Plows, etc.)
ORONOGO—*Oronogo Machinery Co.
PLEASANT HILL—†*Am. Scale Co.
POPLAR BLUFF—*†§Holcomb W. A.
ST. CHARLES—*†§American Car & Fdry. Co. (Cars, etc.) (See St. Louis)
Leistner & Sons Mfg. Co.
†§St. Mary's Oil Engine Co.
ST. JOSEPH—*Acme Machine Co. (Machinists)
*†§Berry Foundry & Mfg. Co.
*†Berry Iron & Steel Co. (Iron Founders' and Builders' Iron Works)
*Bielhen Foundry & Machine Works
Bichler Mfg. Co.
*Cushman Sprayer Co.
*Hammond Packing Co., (Grey Iron Castings, Lamp Posts, etc.)
*Jamieson Machine Co. (Machy, etc.)
*†King Foundry Co.
†Phoenix Foundry & Mfg. Co.
§St. Joseph Brass & Iron Co.
*Specialty Shoe Machy Co.
*Swanson-St. Joseph Plow Co. (Agrl. Implements, etc.)
*Swift & Co.
*Voltz Mfg. Co., 914 Penn.
ST. LOUIS—*Acme Machine Works (Cut Gears, etc.), 1500 N 18th
*Adam Frank Electric Co. (Electric Goods), 904 Pine
§Alloyed Metal & Mfg. Co., 4537 Pope av
*Alsop Process Co. (Special Cofton Machinery)
*†American Bed Co. (Iron Bedsteads), 1820 McNulty
*American Brake Co. (Car Brakes & Specialties), 1932 N Broadway
*American Car Co. (Electric Cars, etc.) 1518 S. Vandeventer av
*†§American Car & Foundry Co. (Cars, Car Wheels, Cast Iron Pipe, Grey & Malleable Iron Castings, etc.), Syndicate Trust Bldg.
*American Electric Machine & Elevator Co., 1706 N 12th
*†§American Foundry & Mfg. Co. (Water, Gas & Plumbers' Goods, Hardware, etc.)
*†§American Stove Co. (Stoves), 827 Chouteau av
*Atkins H. C. Mfg. Co., 745 S 3rd
*Ball Phil De C. (Ice Machines), 3003 N Broadway
†Banner Iron Works (Grey Iron Castings & Builders' Iron Works)
*Barry-Wehmiller Machy. Co. (Bottlers' Machy., etc.)
*§Bayer Steam Soot Blower Co.
*Bradley Stencil Machine Co. (Stencil Machines), 3745 Forest Park blvd
*Brauer A. G. Supply Co. (Stove Repairs, etc.), 316 N 3d
*Brecht Co. (Packing House Machy. etc.), 1201 Cass av
†§Bridge & Beach Mfg. Co. (Stoves), 1st & Valentine
*Brockman J. R. Mfg. Co. (Steam Fitters' Tools & Supplies, etc.), 617 N 2d
*†§Buck's Stove & Range Co. (Stoves, etc.), 3500 N 2d
*†Busch-Sulzer Bros.-Diesel Engine Co. (Oil Engines), 2nd & Utah
*†Cahill-Swift Mfg. Co. (Plumbers' Supplies & Brass Goods), 1112 Market
†Carondelet Foundry Co. (Iron Fdrs.), 2101 Kingshighway blvd
*Century Electric Co. (Electric Motors) 19th & Pine
*Champion Shoe Machinery Co. (Shoe Machinery), 3727 Forest Park blvd
†§Charter Oak Stove & Range Co. Stoves, etc.), Antelope & Conduit
†Christopher & Simpson Iron Works Co. (Iron Fdrs. of Bldrs.' Iron Work)
*Clemens John (Iron Work), 1922 S 7th
†Commercial Fdy. Co.
*†Commonwealth Steel Co. (Steel Castings, Car Trucks, etc), Pierce bldg. Works: Granite City, Ill.
*Copper Clad Malleable Range Co. (Stoves & Ranges), 2nd & Franklin
Crescent Tool Mfg. Co. (Dies, Tools), 1002 Cass av
*Crowder Bros., 2018 Locust
*†§Curtis & Co. Mfg. Co. (Saws & Clutch Discs, Air Compressors, etc.), 1571 Klenien av
*Diagraph Co. (Stencil Cutting Machines), 2121 N 9th
*See adv index at end of book*
*†Ellison Wm. & Sons Mfg. Co. (Coal Mining Machinery, etc.)
*Emerson Electric Mfg. Co. (Electric Fans & Specialties, etc.)
*Essmueller Mill Furnishing Co.
§Eureka Brass Co., 601 Red Bud av
†*Excelsior Tool & Mach. Co.
*Fernholtz Brick Machinery Co. (Brick Press Machines)
*Fisher & Davis (Excelsior & Woodworking Machy., etc.), 934 N 1st
*†Foster Bros. Mfg. Co. (Iron Beds, etc.)
*†Fritz Geo. J. Foundry & Machine Co. (Engines, Boilers, Machy. Fdrs., etc.), 2018 S 3rd
*†Fulton Iron Works Co. (Cane Sugar Machinery), 1259 Delaware av
*See adv index at end of book*
*Geraghty Bros. Elevator Co. (Elevators, etc.), 416 S 6th
*†Gerst Bros. Mfg. Co. (Iron Fdrs. & Bldrs. Iron Works), 800 Cass av
*§Gilbert A. & Sons Brass Foundry Co. (Car & Engine Brasses, etc.)
†Gravois Fdy. & Mfg. Co.
*Gravois Machine Shop Co. (Jobbers), 712 N 10th
†Green's Car Wheel Mfg. Co., 3000 N B'way
*†Hager C. & Sons Hinge Mfg. Co.
*Hall & Brown Woodworking Machine Co. (Woodworking Machinery), 1929-33 N B'way
*†Heinz C. Stove Co. (Stoves, Ranges, etc.), 100 N 2d
§Hewitt Mfg. Co. (Journal Bearings, etc.)
*Hirsch Cal. & Sons Mercantile Co. (Guns Repaired), 300 S B'way
*House Cold Tire Setter Co. (Tire Setters, etc.), 4143 Laclede
*Ice & Cold Machinery Co. (Refrigerating Machinery & Supplies), 3003 N B'way
*Inland Machine Wks. (Dies, Jigs & Fixtures & Special Machinery, 17th & Locust
*Jacob Robt. Engine & Machine Co. 211 Chouteau av
*Kauffman Engineering Co.
*†Kaysing Iron & Foundry Co.
†Kilpatrick A. & Sons Foundry Co. (Castings, Kettles, etc.), Carrie & Bulwer av
*Knight W. B. Machinery Co. (Drilling Machines), 3920 W Pine blvd
*§Kraushaar Brass Mfg. Co. (Gas & Electric Fixtures), 919 Pine
§Kupferle Bros. Mfg. Co. ( Brass Fdrs. & Machinists), 600 N 2d
*†Kupferle Jno. C. Foundry Co. (Plumbers' Specialties), 1st & Wright
§Laclede Brass Works, 307 Cedar
*Laclede Iron Works (Jobbing), 1547 N 9th
*†Landay Stove & Range Co. (Stoves, etc.), 1402 N 16th
*Landis Machine Co. (Sewing Machines, etc.), 25th & Mullamphy
*§Lasar Mfg. Co., 1313 N 16th
*§Leading Brass & Metal Co., 2715 Hickory
†Liberty Foundry Co. (Grey Iron Castings), 7600 Vulcan
*†Ludlow-Saylor Wire Co., Newstead av, cor Wabash R. R.
*McGoogan J. J. (Machinist)
§Magnus Co., Inc.
*Maier Wm. (Jobbing), 2720 N 13th
*†Majestic Mfg. Co. (Steel & Malleable Iron Ranges, etc., 2014 Morgan
*†§Materne John P. Mfg. Co. (Machinists, Pipe Fitters, etc.)
*Mechanics Iron Works, 901 S Ewing av
*†Medart Patent Pulley Co. (Iron Fdrs. & Machinists, Power Transmitting Machinery), 3500 De Kalb
*Mellon & Storm Mfg. Co. (Brass & Iron Bedsteads, etc.)
*§Messmer Fred. Mfg. Co. (Gears, Brass Fdrs., etc.), 2700 S 7th
*§Missouri Brass Type Fdry. Co., 1620 W 22d
*†Missouri Bridge & Iron Co., Fullerton bldg.
*Missouri Engine Co.
†Missouri Iron Co., International bldg.
*Missouri Lamp & Mfg. Co. (Fire Extinguishers), 114 Elm
Modern Brass Fdy.
*Moloney Electric Co. (Transformers), 78 Hickory
*Moon & Hopkins Billing Machine Co., (Adding Machines, etc.), 2235 O'Fallow
*§MORE-JONES BRASS & METAL CO. (Babbitt Metal Car Brasses & Misc. Castings)
*See adv index at end of book*
*Mound City Machine & Pattern Co.
*Mound Tool Co., 1203 S 7th
§Mueller H. P., 219 Lombard
§National Cut Bronze Wks
*§Nelson N. O. Mfg. Co. (Plumbers' Specialties, etc.), 10th & Chestnut
§Northwestern Brass, Bronze & Aluminum Fdy.
§Northwestern Brass Wks., 2117 N 9th
*Olive F. W. (Jobbing), 1007 Marion
†Pavyer Printing Machine Works, Broadway & Poplar
*Pfoertner Lehmann Machine Co.
*Progress Press Brick & Machine Co. (Brick Machinery, etc.)
*Putnam Die Co., 917 N Market
§*Quick Meal Stove Co.
*Ramming John Machine Co., 300 S. Main
*Ramsey Machine & Elevator Co. (Elevators & Jobbing), 207 N 12th
*Reliance Machine & Tool Works, Channing & Franklin av
*†Ruemmeli-Dawley Mfg. Co. (Ice & Refrigerating Machy., etc.), 3900 Chouteau av
*†Rumsey L. M. Mfg. Co.
*§St. Gemme Frank Fire Apparatus Co. (Brass Finishers, Fire Ex-

tinguishers & Machinists)
†St. Louis Architectural Iron Co., Lesperance & De Kall
†St. Louis Axle Co. (Axles, Grey Iron Castings, etc.), La Salle W of Jefferson
§St. Louis Bell Foundry (Bells, etc.), 2735 Lyon
*St. Louis Bed & Mfg. Co., 2007 Railway Exchange
*St. Louis Boat & Engine Co., Bank of Commerce bldg.
*§St. Louis Brass Mfg. Co. (Brass Fdrs. & Finishers), 2613 Washington av
*†§St. Louis Car Co. (Car Builders, Brass & Iron Castings, etc.), 8000 N B'way
*St. Louis Frog & Switch Co., Chemical bldg.
*St. Louis Gas & Gasoline Engine Co. (Marine Gasoline Engines), 2615 De Kalb
*†St. Louis Iron & Machine Works Corliss Engines, etc.), 126 Chouteau av
§*St. Louis Lightning Rod Co.
*St. Louis Machine Tool Co. (Machine Tools, etc), 922 Loughborough
*†St. Louis Malleable Casting Co. (Malleable & Grey Iron Castings), 7701 N Conduit av
†St. Louis Steel Foundry (Manganese Steel Castings), Hamburger & Kienlen av
*St. Louis Well Machine & Tool Co., Kingsland av
*St. Louis Wire & Iron Co.
*Sanitary Street Flushing Machine Co. (Street Flushing Machines)
*Schmidt Wm. F. & Co., 3149 Texas
*Schoelhorn-Albrecht Machine Co. (Machinists), 416 N Main
*Schurk Iron Works, 20 S Cardinal
*†Scullin Steel Co. (Open-Hearth Steel Castings, etc.)
Skinner Bros. Mfg. Co., 10th & Tyler
*§Smith & Davis Mfg. Co. (Iron & Brass Bedsteads), Smith & Locust
*†South St. Louis Foundry Co. (Iron Fdrs, & Bldrs.' Iron Work), 7514 S Broadway
†Southern Wheel Co. (Car Wheels), Railway Exch. bldg
*†Spuck Iron & Foundry Co. (Iron Fdrs.)
*Steiner Mfg. Co. (Electric Motors, Coffee Mills, etc.), 4100 N 21st
§Stuckstede H. Bell Foundry Co. (Bell & Brass Fdrs.), 1312 S 12th
Stupp Bros. Bridge & Iron Co., Frisco bldg.
*§Superior Brass & Mfg. Co., 106 S 8th
*Swaine Fred J. Mfg. Co. (Machine, Tools, etc.), 2nd & O'Fallon
*Teuscher & Son Machinery Supply Co., 527 N 2nd
*Tolland J. W. (Jobbing), 2319 Chestnut
†Tower Grove Foundry Co., 4444 Hunt av
*Turley H. G. (Cut Gears)
*Victor Iron Works, 7th & Victor
*Victor Machine Works
*†Wagner Electric Mfg. Co. (Dynamos Motors, etc), 6400 Plymouth av
*†Warren Steel Casting Co. (Steel Castings, etc.), 3400 Maury
*Wenger Geo. Machinery & Supplies Mfg. Co. (Machinery & Castings, etc.,
*§West St. Louis Machine & Tool Co., 606 Vandeventer
†Western Foundry & Sash Weight Co. Grey Iron Castings), 2nd & Miller
*Western Screw Products Co., 3219 S Broadway
*Wissler Instrument Works (Engineers' Instruments, etc.), 601 N Broadway
*Wrought Iron Range Co. (Ranges, etc.), 5661 Natural Bridge ave
*Ziegler Robt. & Sons (Printing Presses, Bookbinders' Machinery, etc), 208 Vine

SALISBURY—*Roling J. F.
SAVANNAH—*†§Schuyler W. S. (Gas Stoves, etc.)
SEDALIA—*Barley Thos. K. (Agrl. Implements, Harrows, Haying Tools, etc)
*Ritter Richard H.
*†§Sedalia Foundry & Machine Works
*†Wells, Geo.
SEYMOUR—*†Freeman L. D.
§*Freeman Fdy. & Mach. Wks.
SPRINGFIELD—*†§New Phoenix Foundry & Machine Co.
*Schmook H. B.
†Silsby Stove & Queensware Co. (Stoves, etc.)
*†§United Iron Works Co.
*†Woods-Evertz Stove Co. (Stove Mfrs.)
TARKIO—†§*Gallaway Wm. Co.
UNIONVILLE—*†§Stalcup Machine Shop & Garage
VALLEY PARK—†Wilson Stove & Mfg. Co. (Sheet Iron Stoves)
WEBB CITY—†Central Foundry Co.
*†§Webb City & Carterville Foundry & Machine Works (Mining Machinery & Grey Iron Castings)
WEST PLAINS—*Summers W. L.

## MONTANA.

ANACONDA—*†§Anaconda Copper Mining Co.
BILLINGS—†§*Great Western Sugar Co.
*†§Midland Iron Works
BUTTE—*†Anaconda Copper Mining Co
*Butte Machinery Co.
*†Montana Iron Works
*†§Western Iron Works
GREAT FALLS—*§Anaconda Copper Mining Co.
*†§Great Falls Iron Works (Fdrs. & Machinists)
†§Riverside Fdry.
HELENA—*†§Caird Engineering Works (Stamp Mills & Castings, etc.)
*†§Western Foundry & Machine Works

## NEBRASKA.

BEATRICE—*†§Beatrice Iron Works
*†§Dempster Mill Mfg. Co. (Cultivators, Grain Drills, etc.)
*Kees F. D. Mfg. Co.
CENTRAL CITY—*Jensen P. C.
DAVID CITY—*Barker Mfg. Co. (Garden Weeders, etc.)
FAIRBURY—*†§Simpson John
FREMONT—*†§Fremont Fdry. & Machine Co.
HASTINGS—*†§Hastings Fdry. & Iron Works (General Foundry & Machine Work)
§*Rose J. A. Mfg. Co.
HILDRETH—*†§Hildreth Iron Works
HOLDREDGE—*†§Hultquist Bros.
KEARNEY—Bolte Mfg. Co.
*†§Kearney Foundry Machine & Auto Co.
LINCOLN—*†Cushman Motor Works (Engines & Motors, Gasoline)
*†§Hedges C. E.
McAlpine A.
Plattner-Yale Mfg. Co.
*Ress W. N. (Machinist)
NEBRASKA CITY—*†King Drill Mfg. Co.
NORFOLK—*Bergstrom A. B.
*Square Turn Tractor Co.
*†§American Smelting & Refining Co. (See N. Y. City)
*Baker Ice Machine Co. (Ice Machines)
*Briggs Pump Co.
*Case J. I. Plow Works
†§Champion Iron & Wire Works
*Davis Joseph S.
*†Jubilee Mfg. Co. (Sad Irons, etc.)
*Melchoirs Peter & Son Machine Wks. (Machinist)
†Mid-West Iron Works
*Nebraska & Iowa Steel Tank Co.
*Omaha Electrical Works
*Omaha Folding Machine Co. (Paper Folding Machines, etc.)
†Omaha Foundry Co.
†Omaha General Iron Works
†Omaha Stove Repair Works
*Omaha Steel Works
†§*Paxton-Mitchell Co.
*†§Paxton & Vierling Iron Works (Iron Fdrs. & Builders' Iron Work)
*Sterling Mfg. Co. (Argic Implements & Supply Co.
*Sunderland Machinery & Supply Co.
†§Wearne Bros. (Iron Fdrs.)
†Western Iron & Wire Works
*Western Rock Island Plow Co.
PLATTSMOUTH—Sharp L. C. Mfg. Co.
RALSTON—†Howard Stove Co.
YORK—†*York Fdy. & Engine Wks.

## NEVADA.

RENO—*†§Nevada Engineering & Supply Co.
TONOPAH—†§*Campbell & Kelly, Inc.

## NEW HAMPSHIRE.

BERLIN—*†§Berlin Foundry & Machine Co.
†§*Cross Ezra M. Machine Co.
CHESHAM—*Russell Edward G.
CLAREMONT—*Sullivan Machinery Co. (Diamond Drills, etc.)
CONCORD—*†Concord Foundry & Machine Co.
*Cushman Electric Co. (Electric Motors, etc.)
†Ford Foundry Co. (Stoves)
†§Ford & Kimball (Brass & Iron Fdrs.)
Matson Machine Co. (Metal Cutting Off Machines)
CONTOOCOOK—*Kingsbury & Davis Machine Co. (Paper Box Machy.)
DOVER—*Davis Herbert M. (Machinist)
*†§Kidder Press Co. (Printing Presses, etc.)
*National Woodworkingf Machine Co.
EAST CONCORD—*§Badger Franklin L.
*Eastman Samuel Co. (Nozzles, etc.)
EXETER—*§Exeter Brass Works (Plumbing Specialties & Brass Fdrs.)
*Lane G. W. & C. A. (Grinding Mills, etc.)
FRANKLIN—*Acme Knitting Machine & Needle Co. (Knitting Machines.)
†§Beaupre Bros.
*Griffin G. W. Co. (Woodworking Machinery, Jig Saws, etc.)
HINSDALE—*Granite State Mowing Machine Co. (Lawn Mowers & Trimmers)
*Holman Jason R.
†Tilden Frank W. (Iron Fdry.)
KEENE—*Hill Dan L.
†Humphrey Machine Co. (Water Wheels, etc.)
*Sargent George W.
LACONIA—*†Esty Sprinkler Co. (Mach. & Fdry. & Fire Extinguishers)
*Huse Warren D. & Sons (Knitting Machinery)
*†§Laconia Car Co. (See Boston, Mass.)
*†McGloughlin Iron & Brass Fdry. Co.
§Wood Colvin
LAKEPORT—*Bickford H. & Co. (Machine Tools)
*Crane Mfg. Co. (Knitting Machines)
*McDuff Wm. J. (Marine Stationary Engines)
LANCASTER—*†Thompson Mfg. Co.
LEBANON—*Kendrick-Davis Co. (Watchmakers' Tools and Electrical Specialties)
MANCHESTER—*†§Amoskeag Mfg. Co.
*Corey Wm. Co. (Knitting Machines, Needles, etc.)
*Lacene Mfg. Co. (Shoe Machy.)
*Leighton Machine Co. (Knitting Machinery)
NASHUA—*American Shearer Mfg. Co. (Sheep Shearing Tools, etc.)
*Flather Mfg. Co. (Gear Cutting Machines & Machine Tools)
†Flather Foundry Co. (Iron Fdrs.)
*Flather & Co. (Machine Tools, etc.)
*†§Highton Wm. & Sons Co. (Warm Air Registers & Aluminum, Brass, Bronze & Grey Iron Castings)
*Improved Paper Machinery Co. (Paper & Pulp Mill Machy.)
*International Paper Box Machine Co. (Paper Box Machy.)
†Nashua Co-Operative Iron Foundry Co.
*Nashua Machine Co. (Machinists)
Nashua Saddlery Hdwe. Co.
*Nashua Steam Press & Boiler Wks. (Power Cloth Presses)
*Rollins Engine Co. (Engines, etc.)
†White Mountain Freezer Co. (Ice Cream Freezers, Light & Heavy Grey Iron Castings, etc.)
NEWFIELDS—†Newfields Iron Fdry
PENACOOK—*†Concord Axle Co. (Stone Polishing Machy., Axles, Brass Castings, etc.)
§Hoyt Electric Instrument Works (Electrical Instruments)
PETERBORO—*White's Sam'l G. Sons
PORTSMOUTH—*Chadwick & Trefethen (Expanding Reamers, etc.)
†Portsmouth Foundry Co.

NEW HAMPSHIRE—continued
ROCHESTER—*†Furnald John C.
*†§Rochester Foundry & Machine Works.
SALMON FALLS—†Somersworth Foundry Co. (Stoves, Ranges, etc.)
SOMERSWORTH—*Brackett, Shaw & Lunt Co. (Gasoline Engines, etc.)
UNION—*§Hamlin E. F. Brass Co.

## NEW JERSEY

ALDENE—§*Watson, Stillman Co.
AMPERE—*Crocker-Wheeler Co. (Electric Machy.)
ARLINGTON—*§Lovell F. H. & Co. (Brass & Copper Goods)
*Stiles T. George Co. (R. R. Appliances)
ASBURY PARK—*†§Murphy Foundry & Mfg. Co.
ATLANTIC CITY—*Seashore Machine Wks
BARTLEY—*†Bartley R. C. Co. (Steam Heaters)
*†§Bartley Wm. & Sons (Saw Mill Machy.)
BAYONNE—†§Am. Radiator Co.
*†§Babcock & Wilcox Co. (Water Boilers, Tube Boilers, etc.)
*†§Bayonne Steel Casting Co. (Monel Metal & Steel Castings, etc)
§Bergen Point Brass Fdry.
*Bergen Point Iron Works (Coal & Ore Handling Machinery)
†Clark's Iron Foundry
Elco Co. (Gas Engines, Launches, etc.)
*Electric Launch Co. (Gas Engines, Launches, etc.)
*Electro-Dynamic Co. (Motors)
*Knickerbocker Metallic Bed Co.
Monel Metal Products Corp.
*Safety Insulated Wire & Cable Co. (See New York)
*Texas Co. (See New York)
BELFORD—*Walling Luther
BELLEVILLE—§Delaney Edward
*Dickinson C. W. Jr.
*§Eastwood Wire Mfg. Co. (Iron, Brass & Bronze Castings, Special Machinery, etc.)
*Hoppen J. E. & Sons, 78 Main
*See adv index at end of book*
Rogers Wire Works, Inc. (Wire Cloth, etc)
Thomson Machine Co. (Bakers, etc.)
BLOOMFIELD.—*Baylis Co. (Carbon Brushes, Gas Regulators, etc.)
§Cadmus Bros.
*Eastern Tool & Mfg. Co., Bloomfield av
*Empire Cream Separator Co. (Cream Separators)
§Ferguson Geo. N.
*§Jenkins Mfg. Co. (Brass & Composition Castings of All Kinds & Plumbers' Brass Goods, etc.)
*Rogers O. A.
Spaulding Chain Corp.
*Sprague Electric Works of Gen'l Electric Co.( See New York City)
*White Ira F. & Son Co.
BOONTON—*Van Duyne Orlin S.
*Whitehead Oscar P.
BORDENTOWN—*†Riverview Iron Works
*Swift Geo. W., Jr. (Paper Box, Envelope & Special Machinery)
BOUND BROOK—*†§Timmis & Clissold
Watson Bros. Machine Co.
BRIDGETON—†Barker Wm.
*§Bridgeton Chandelier Co.
*†Cox & Sons Co. (Engines & Heating Apparatus)
*§Crescent Art Metal Co.
*Ferracute Machine Co. (Sheet Metal Working Machinery, etc)
*Hettinger Engine Co. (Gas & Gasoline Engines, etc.)
BURLINGTON—*†§Devlin Thos. Mfg. Co. (See Philadelphia, Pa.)
†Lindsay John C. & Co.
*†Stuart & Peterson Co. (Enameled Iron Ware, etc.)
*†U. S. Cast Iron Pipe & Fdry. Co. (Cast Iron Pipe.)
CAMDEN—*Acme Staple Co, Ltd. (Staple Machines)
*†Blair Mfg. Co. (Machinists' Tools)
†Camden Forge Co.
*†Camden Foundry Co.
*†Camden Iron Works (Pumping Machinery, etc.)
*Esterbrook Steel Pen Mfg. Co. (Steel Pens)
*Frand Martin J. & Co.
*Hunt C. Howard Pen Co. (Steel Pens)
*Industrial Mfg. Co. (Sewing Machines)
*Lambert & Todd Machine Co.
*Langston Samuel M. Co. (Paper Box Machinery)
Mathis John H. Co. (Ship Builders)
*New Jersey Wire Stitching Machine Co.
*New York Shipbuilding Co. (Iron & Steel Ship Builders)
*Noecker & Ake Shipbuilding Co
*Phoenix Meter Co. (Gas Meters & Appliances)
*Quigley & Dorp (Machinists & Ship Builders)
*Smith & Sinclair Machine Co. (Machinists)
*†Southwark Scale Co. (Scales, etc.)
*Victor Talking Machine Co. (Talking Machines)
*Webster Warren & Co. (Machinists & Feed Water Heaters, etc)
CARLSTADT—§Klaber S. & Co. (Bronze Founders)
CARTERET—*†§Wheeler Condenser & Engineering Co. (See New York City) *See adv index at end of book*
CHROME—*†Chrome Steel Works (Chrome Steel & Specialties)
†§U. S. Metals Refining Co.
DOVER—*Dover Boiler Works (Steel Plate Work of All Kinds)
*McKiernan-Terry Drill Co. (See New York City)
*†Richardson & Boynton Co. (Stoves) (See New York City)
§Ulster Iron Works
DUNELLEN—*†§Hall Printing Press Co. (Printing Presses, etc.)
Ransome Concrete Machinery Co.
EAST NEWARK—*†§Hewitt John (Iron, Brass & Aluminum Castings)
EAST ORANGE—*Collinson Joshua
*Simms Magneto Co. (Carbureters)
*†§Smith A. P. Mfg. Co. (Brass & Iron Founders, Tappings Machines, Pipe Cutting Machines, etc.)
EAST TRENTON—*†DE LAVAL STEAM TURBINE CO. (Steam Turbines)
*See adv index at end of book*
EDGEWATER—†Davis Foundry Co.
ELIZABETH — †*Am. Enameling Mfg. Corp.
*American Gas Furnace Co.
*American Swiss File & Tool Co. (See New York City)
*Braunsdorf-Mueller Co. (Tools, etc.)
*†Brown A. & F. Co. (See New York City)
*†Colwell Lead Co. (Plumbers' Supplies) (Office, New York City)
*Elizabeth Mfg. Co. (Bottle Washing Machy.)
*†§Hitchings & Co. (See New York City)
†§Kluin E. & Sons
*†Moore Bros. Co. (High Grade Grey Iron Castings & Machine Work)
*New Jersey Dry Dock & Transportation Co.
*†§Singer Mfg. Co. (See New York City)
†United States Grate Bar Co.
ELMER—Charlesworth G. A. (Millwright & Machinist)
*Wolbert Chas. W. (Millwright, etc.)
FLEMINGTON—*†§Foran Fdry. & Mfg. Co.
FLORENCE—*†§Florence Iron Works (See Phila., Pa.)
FORT LEE—*Vogel & Franchi (File-Cutting Machines)
FREEHOLD—*†Bawden J. H. & Co.
*Stokes Bros. Mfg. Co. (Rasps, Files, etc.)
GARFIELD—*De Mattia Bros.
GARWOOD—*Bell Electric Motor Co (Mfrs.)
Continuous Rolling Mills, Inc.
*†§Garwood Bronze & Iron Works (Annealing Boxes, Grey Iron, Brass, Bronze & Aluminum Cast-
*See adv index at end of book*
*Hall Switch & Signal Co. (R. R. Signals, etc) (See New York City)
GLASSBORO—*†Carnell Wm. & Son
GLOUCESTER CITY—*†Pusey & Jones Co. (Shipbuilders, etc), Pennsylvania & New Jersey Yards
*†Rogers John M. Works (Machinists' Fine Tools, etc)
GRENLOCH—*†§Bateman Mfg. Co. (Agrl. Implements & Light Grey Iron Castings)
GUTTENBERG—Lutz Co.
HACKETTSTOWN—*†§American Sawmill Machinery Co. (Saw Mill Machinery, etc.)
†§Bowers M. B.
†§Torrid Heater Co.
HADDONFIELD—†Reeves S. V. (Stoves, etc.)
HAINESPORT—*†Johnson J. D. Co. (Cast Iron Soil Pipe & Plumbers' Castings). (See Brooklyn, N. Y.)
HARRISON—§Allan A. & Son (Brass Fdrs), 6th & Bergen
*CAVAGNARO JOHN J. (Macaroni, Silk Finishing, Embossing, Celluloid Filter Presses, etc.)
Edison Lamp Works
*General Electric Co.
*Hyatt Roller Bearing Co.
Hall Mfg. Co. (Engineers' Specialties)
*National Hoisting Engine Co. (Hoisting Engines, etc.)
Osborne, J. K. Mfg. Co.
†*Otis Elevator Co.
†Reuther Bros.
*†§Shriver T. & Co. (Cranes, Presses, Sugar Machinery, etc)
*T. C. M. Mfg. Co.
*Torrance Mfg. Co. (Textile Machy.)
*†§Worthington Pump & Machinery Corp. (Henry R. Worthington Works)
HASBROUCK HEIGHTS—*Olmstead's L. H. Son (Machinist & Power Hack Saws, etc.)
HIGH BRIDGE—*Manganese Steel Safe Co. (Manganese Steel Vaults & Safes). Works, Plainfield, N. J.
*Taylor-Wharton Iron & Steel Co.
HIGHTSTOWN—*†Peppler Thomas (Agrl. Implements)
*Wyckoff Bros.
HOBOKEN—*Autographic Register Co.
*Buchholtz Carl Co. (Wrought Iron & Brass)
*Button Machinery Co. (Button Machinery)
*Consolidated Iron Works (Engines, Machy., etc.)
*†§Elevator Supplies Co. (Brass & Iron Casting)
*†Ferguson F. & Son (Grate Bars, Propeller Wheels, Machinery, Heavy Green Sand, Castings, etc.)
§†Fisher-Sweeney Bronze Co.
*§Fletcher W. & A. Co. (Marine Engines, etc.)
§Flynn Bros.
*†Focht Geo. Sons (Dumping Tubs & Buckets, Castings, etc), 117-119 Adams
*Friedrichs Carl
*Front Drive Motor Co. (Motor Engines)
*Hunter Wm. Machine Co. (Machine Engineers & Machinists)
*Lutz Alois M. (Elec. Fixtures, etc.)
*New Jersey Machine Corp. (Paper Box Machinery)
*†New York Switch & Crossing Co. (Frogs, etc.)
*Nilson-Miller Co. (Special Machinery, Gears & Gasoline Engines, etc.)
*†Oltmer Iron Works, 1300-1306 Hudson *See adv index at end of book*
*Penna. R. R. Marine Shops, ft 10th
*Schimper Wm. & Co. (Metal Goods of Every Description, Spinners, etc), 322-338 Ferry & 33 Uniion sp, W, New York
*See adv index at end of book*
†Stevens Institute of Technology
*Tidewater Iron Works
*Tietjen & Lang Dry Dock Co (Shipwrights & Machinists)
*†§Union Iron Works (Dump Cars, Tubs, Buckets, Iron & Brass Castings, Coal & Ore Dumping Machinery, etc.)
Tiffany, Hall & Co., Inc. (Electrical), 7th & Adams
*Wagner Chas., 55 Park W
*Wilson Bros.
HOPE—*†Aten Henry F.
IRVINGTON—Atlas Foundry Co. (Grey Iron Castings & Welding Rods), Lyons av & Cort
*†Barnett Oscar Fdry. Co. (Tools & Grey Iron Castings, etc.)
†Barnett Foundry & Machine Co.
†Bierman-Everett Foundry Co. (Grey & Malleable Iron Castings)
Crescent Machine & Engineering Co.
*Horstmann F. W. Co. (Feed Water Heaters)

*Irvington Mfg. Co. (Tools, etc.)
Liberty Machine Tool & Die Co., 1206 S Grove
*Rademacher A. E. (Scales, etc.) Rafter Machine Co.
AMESBURG—*†§Powrall F. H. Iron Works
ERSEY CITY—*Ames W. & Co. (Machine Shop for Repairs), Communipaw av
*See adv index at end of book*
*Barge & Lighter Repair Co. ft of Henderson
†Berthe Albert, 763 Patterson av
*†Boynton Furnace Co. (Iron Fdrs., Ranges & Heaters), Pacific av, op. Bramhall av (See New York City)
*§Brady Brass Co. (Brass Fdrs. & Finishers), 170 14th
*Clute H. C., 380 Wayne
*†Colby E. B. & Co. (Stoves, etc.) Hoboken av
*Corcoran A. J. Inc. (Pumps, Windmills, Tanks & Towers, etc), 745 Jersey av
*See adv index at end of book*
*Graig James (Glas Engines), Garfield av
*†§Crane Wm. M. Co. (Stoves, Grey Iron & Brass Castings). Garfield av. (See New York City)
*Davis Jas. & Son (Elevators, etc.), 463 Pacific av
*Everlasting Valve Co., West Side av
*†Fagan Iron Works, 14th
Federal-Huber Co., 166 Delaware av
†*Forbes John R.
*Frank & Hedden Co. (Tools, etc.), 183 1st
*Fraser Mfg. Co. (Coffee Roasters & Cleaning Machy.), 573 Henderson
*†Gibson Iron Works Co. (Fdrs. & Machinists, Dumping Grates, etc.), 168 1st
*§Gothberg H. & E. (Brass & Bronze Finishers), 139 Cator av
*†§Griscom-Russell Co., 72 York (See New York)
*See adv index at end of book*
*Hamill Alex Iron Works (Structural & Ornamental Iron Work), 426 Montgomery
*Hamilton Low Co., 62 Van Winkle av
†Hudson Foundry Co., 173 2nd
*Industrial Machinery Corp., 147 Provost
*Jersey City Machine Co., 113 Plymouth
*†Kellogg M W Co., 117 West Side av. (See New York City)
*KOVEN L. O. & BRO. (Heavy Sheet Metal Works, etc), 154 Ogden av
*See adv index at end of book*
§Krouse Geo. (Heavy Brass & Phosphor Bronze Castings), 150 Morgan
*†McCabe Jas J., 10th. (See New York City)
*McLaughlin Thos., 53 Essex
§Magnus Co., 364 9th
*†Marcy Stove Repair Co., 340 Grove
*†§Mersereau Metal Bed Co., 292 Johnston av
§Murphy Wm. J., 279 10th
*New Jersey Car Spring & Rubber Co. (Car Springs, etc), 91 Brunswick
†New York Foundry Co., Pacific av
†New York Metallic Bedstead Co., 198 Pacific av
Otto William H. Metal Goods Corp., 401 St. Pauls av
Progressive Machine & Tool Co., Inc., 280 Sijer av
*§Schroeder Edw. Lamp Works (Brass Founders & Finishers), 716 Jersey av
*†See A. B., Electric Elevator Co. (Elevators, etc.), Pacific av
*†Smith Theo. & Sons Co. (Machinists & Fdrs.), ft. of Essex
Smith & Dudt
*†Snead & Co. Iron Works (Jigs, Fixtures, Gauges, Special Machinery, Lathe, Planer, Punch Press & Stamping Work. Electric & Acetylene Welding, Baked Enameling & Polishing), 98 Pine
†Spence James, 923 Garfield av
*§Spindler & Deringer (Machine Work & Brass Foundry, Valve Work a Specialty), 243 Mercer
*Standard Motor Construction Co. (Marine Gas & Oil Engines), 180 Whiton
*†Steele & Condict (Rock Crusher Parts, Castings & Refrigerating Machines), 74 Pearl
†West Bergen Iron Fdry. (Powell Bros., Props.), 21 Pollack av
§Williams E A & Son (Brass & Bell Founders), 109 Plymouth
KEARNEY—†Riverside Steel Casting Co. (Crucible & Vanadium Steel Castings)
*Tait Geo. W.
KENILWORTH — *American Circular Loom Co.
LAMBERTVILLE—*Kugler Layton T.
*†§Lambertville Iron & Steel Co. (Grey Iron, Brass & Composition Castings & Machinists)
LODI—*United Piece Dye Works (Machine Shop for Their Own Use)
LYNDHURST — *§Leslie Co. (Pressure Regulators, Brass & Bronze Castings, etc.)
MADISON—†Force, C. C. & Son
MAHWAH—*†American Brake Shoe & Foundry Co. (Grey Iron Castings, etc.) (See New York City)
MATAWAN—*†§Matawan Steel & Iron Co.
§Munning-A. P. & Co. (Dynamo Mfrs., etc.)
METUCHEN—*Borgfeldt Brass Co. (Cigar Machy)
*Borgfeldt N. H. & Co. (Cigar Machy.)
MILLINGTON—*Nash Duane H. (Harrows)
MILLVILLE—†Madden & Gaskill
†Tyler D. D.
MORRISTOWN—*Dutton Willis H.
NAUGHRIGHT—†*Hopler Bros.
NEWARK—†Acid Proof Iron Products Co.
*Albee H. M. & Son (Hatters' Machy.), 201 Sussex av
*Almond David (Hat & Fur Machy.), 88 Warren
*§Aluminum Goods Mfg. Co., 520 Belmont
*§American Aluminum Ware Co., 374 Jeliff av
*§American Hame & Bit Co., 59 N. J. R. R. av
*American Transformer Co (Electrical Specialties), 178-182 Emmet
*Anderson Geo. & Co. (Diamond Cutting Machines), 8 Orange
§Art Castings Works, 104 Verona
§Art Metal Works (Bronzes, etc.), 7 Mulberry
*Automatic Weighing Machine Co. (Mfrs), 138 Commerce
*Backus Water Motor Co. (Gas Engines, Water Motors, etc.), 172 Penna av
*Bailey Wm J. (Jewelers' Tools, Dies, etc.), 401 Mulberry
*†Barlow Foundry Co., 551 N. J. R. R. av
*Behrendt Herman F. 22 Green
†Birdsall W. A. & Co. (Heaters) 44 Mechanic. Works: Collegeville, Pa.
†Bless & Drake, 175 N. J. R. R. av
*Bowen G. F. Mach. Co., Inc.), 24 Scott
*§Brabson Bros. (Saddlery Hardware) 47 Hamilton
§Brass Founders' Supply Co. (Brass Molds, etc), Wilson av
*§Breeze Carburetor Co., 250 South
*Brooks E. J. & Co. (Inc.), N 13th (See New York City)
*Buermann August Mfg. Co. (Saddlery, Hdw., etc.), 220 Jeliff av
†Burns Iron Works, 201 Commerce
*Burroughs Charles Co. (Machinists & Hydraulic Machinery), 141 Commerce
§Bushauer Peter (Brass Fdry.), 261 Elm
*†Central Foundry Co., Lockwood (See New York City)
*Chapman W. H. (Machinists), 227 Mulberry
*Chase Edw O. (Fine Machys), 171 Washington
*†Clark Jas. T. Co. (Edge Tools, etc.), 70 Adams
*Climax Co. (Locks, Latches, etc.), 275 Passaic
*†Currier Cyrus & Sons (Leather Machy., etc), 365 Market
*De Camp & Sloan, Inc. (Special Machy.), 168 Pengton
*Delany D. & Son (Carriage & Wagon Springs, etc.), Hamilton
Diamond Tool & Mfg. Co., Inc., 97 Runyon
*Diffany & Co. (Jewelers' Dies, etc), 436 Mulberry
*†Drake W. H. Co. (Heaters, etc.), 36 Clinton
*Ellis Adding Typewriter Co. (Typewriters), 338 Elizabeth av
*Emory Robt. J. Co. (Machinists), 27 Runyon
*†Essex Fdy., Murray
*†§Foster Engineering Co. (Steam & Engineers' Specialties, etc), 109 Monroe
*§Gamon Meter Co. (Water Meters), 282 South
†Goeller H. R. (Builders' Iron Work), 406 Frelinghuysen av
§Goldsmith C. A. (Brass Fdry), 270 Thames
*†Gould & Eberhardt (High Class Machine Tools), 97 N. J. R. R. av
*§Gould's M. Son & Co. (Brass Goods, etc.), 115 Lafayette
§Griffoul August & Bros. Co., 282 Chestnut
*Groch Max, 41 Av L
§Hanson & Van Winkle Co. (Platers' Machinery & Supplies), 269 Oliver
*Hartig Standard Gas Engine Co., 69 Commercial
*†Hay Foundry & Iron Works (Builders' Castings & Iron Works), Plum Point lane
*Healy Geo., 11 Alling
*Hebb Geo. A. (Springs), 70 William
§Hedges & Bro. (Brass Castings & Finishers & Plumbers' Brass Goods), 10 R. R. pl.
*Heller Bros. Co. (Tools, Files, etc.), 879 Mt. Prospect av
*†§Hewes & Phillips Iron Works (Corliss Engines & Iron & Brass Castings), 8 Orange
§Hewitt Bearing Metal Co., Inc., 209 Berkeley av
†§ Hewitt F'dy Co., John
*Huebel Mfg. Co. (Padlocks, etc.), 103 Monroe
*Humana Company, 56 Summer av
*Hygrade Engng. Co., 391 Mulberry
*†Isbell-Porter Co., 46 Bridge
*§Jost's Edmunds Sons, 58 1st
*Klaus & Co. (Machinists), 541 Ferry
*Lambert Hoisting Engine Co. (Hoisting Engines & Hoisting Machinery, etc), 117 Poinier
*La Vergne Pump Co. (Power Pumps, etc), 284 N 5th.
§Lawrence L. & Co., 292 Halsey
*Leiman Bros., 160 Christie av
*§Lovell-McConnell Mfg. Co. (Electrical), 194 Wright
*Lowentraut P. Mfg. Co. (Skates, Tools, etc.), 36 Bruen
*Loy & Nawrath Co. (Sheet Metal Working Machinery), 25 Runyon
†Maher & Flockhart (Iron Fdrs.), 76 Polk
*†Maher's Edward Sons, 216 Berlin
*Marx-Winkler Co., 473 Washington
†Meeker Foundry Co. (Malleable & Grey Iron Castings), 95 Clay
*Meisselbach-Catucci Mfg. Co. (Machine Tools), 56 Stanton
*See adv index at end of book*
*Millington & Bradshaw (Tools & Machy.), 69 N. J. R. R. av
*Monitor Boat and Engine Co., 215 Summit
*Morgan Edward (Special Machinery), 35 Vesey
†Morrison Foundry Co., 111 Gotthart
*Muller Fred (Hat Machy.), 214 Lackawanna av
*Mundy J. S. Hoisting Engine Co. (Hoisting Engines, etc), 722 Frelinghuysen av
*See adv index at end of book*
*National Lock Washer Co. (Lock Washers, etc.), 65 Johnson
*National Mfg. & Steel Supply Co. (Sheet Steel Products, etc), 781 Summit
*§Newark Brass Works (Machy., Trunk Mfrs.' Machy., etc.), 22 Lawrence
*Newark Gas Engine and Mfg. Co. (Gas Engines), 676 N 6th
*Newark Leather Machinery Co. (Leather Working Machinery), 127 N. J. R. R. av

NEW JERSEY—Newark—continued

•Noble & Hunt (Machinists), 359 Mulberry
•Ohl Geo. A. & Co. (Sheet Metal Working Machy., Trunk Mfrs.' Mach., etc), 159 Oraton
•Oko Machine Shop Inc., 65 Bridge
Osborne C. S. & Co. (Harnessmakers' Tools, etc), Box 183
*See adv index at end of book*
Oxweld Acetylene Co., 640 Frelinghuysen av
•†Pfaff & Kendall (Pipe Cutting & Threading Machines, Nipples, Columns, etc), 655 Ferry
•§Phoenix Lock Works (Locks, etc.), 3rd av
•Plumb David S. (Clock Movements), 73 Norfolk, nr. Central av
*See adv index at end of book*
•Positive Lock Washer Co. (Lock Washers, etc.), Ave A
§Redlinghouse J.
§Reinbold Jos. Bronze Co. (Bronze Founders)
•§Riley-Klotz Mfg. Co. (Metal Goods, etc.), 17 Mulberry
†Riverside Mfg. Co. (Furnace Regulators & Heating Specialties), 162 Riverside av
•Ruesch H. J. Machine Co. (Jewelers' & Silversmiths' Machy., etc.), 407 Mulberry
†Sacks Louis (Grey Iron Castings), Wilson av
•Sayre L. A. Co. (Tools, etc), 332 Mulberry
§Schueler T. & Co., 48 19th av
§Shaw Bros., 43 Hermon
•Skinner & Leary Co. (Engineers & Machinists), 19 Com'l
•Sloan & Chase Mfg. Co. (Precision Machy.), 351 Sixth av
†Smith Albert Sons (Iron Railing, etc), 73 N. J. R. R. av
•Steffens Amberg Co., 262 Morris av
•Storm Mfg. Co., 50 Vesey
Sun Typewriter Co. (Typewriters), 50 Columbia
•†§Thatcher Furnace Co., 36 St. Francis. (See New York City)
•Tirrill's Gas Machine Co., 69 Commercial. (See New York City)
•†Traud Alex. Co. (Castings & Embossing Presses, etc.), 5 Maine
•Tucker C. F. & Co. (Tool Makers), 93 Green
•†§Turner Machine Co. (Iron & Brass Fdrs. & Special Machy.), 28 Eagles
•Universal Tobacco Machine Co., 98 Murray
•†Watts-Campbell Co. (Corliss Engines & Iron & Brass Castings), 298 Ogden
•§Wheaton A. W. Brass Works (Brass Fdrs. & Finishers), 110 Walnut
§Wiener-Barnet Co., 328 Adams
•Wright L. Machine Works, 9 Alling
•Zeh & Hahnemann Co. (Presses, Dies, etc.), Vanderpool
§Zusi Edward, 78 Mechanic
§Zusi Edw. A. (Brass Foundry), 101 Monroe

NEW BRUNSWICK—•†Brunswick Refrigerating Co. (Ice Making Machy.)
•Consolidated Fruit Jar Co. (Metal Specialties)
•Crawford Mfg. Co. (Machinery Parts)
•†§Marine Mfg. & Supply Co. (See New York City)
Metallic Gasket Co.
•Neverslip Works, The (Toe Calks & Pliers)
•†§New Brunswick Iron Works (Brass & Iron Castings, Forgings, Builders' Iron Works, Patternmakers)
•Potter Fred J. (Motors, etc.)
•†Waldron Jno. Co. (Machinery & Castings)

NEWTON—•Farrell Jno. (Hay Forks)
NUTLEY—•New York Continental Jewell Filtration Co. (Water Filters, etc)
ORANGE—•Bates Mfg. Co. (Automatic Numbering Machines, etc.)
•Edison Phonograph Works, Inc. (Phonographs, Dictating Machines, etc.)
•Edison Thomas A. (Inc.) (Talking Machines)
†N. J. Fdy. Co.
•Orange Machine & Mfg. Co. (Machinists)
•Townsend S. P. & Co. (Lawn Mowers)

PASSAIC—•Antoine & Son
†Binns Henry (Iron Fdry.)
•Botany Worsted Mills (Machine Shop for their own use)
•De Vries Bros. (Jobbing Machinists)
•†§Eagle Iron & Brass Foundry (Inc.)
•Lyall J. & W. (Textile Machy., Looms, etc.)
•Magor Car Co. (See New York)
•Novelty Iron Works
•Richardson Scale Co. (Scales)
•†Robins Conveying Belt Co. (Conveying Machinery & Hoisting)
†Schmidt J. G.

PATERSON—•†§American Locomotive Co. (Locomotives.) (See New York City)
•§Asbell S. J. Co. (Plumbers' Brass Goods)
•Atherton Machine Co.
†Barker Fred (Iron Fdrs.)
•Bogert-Carlough Co.
•Buckley's B. Son (Textile Machinery)
•†§Bucyrus Co. (See South Milwaukee, Wis.)
§Casson Robert H.
•†Eastwood Benj. Co. (Textile Machy., Shafting, Pulleys & Hangers, Iron & Brass Castings, etc.)
•Finigan Zabriskie Co.
•Hakemeyer Machine Co. (Textile Machinery)
†Hilton Samuel
•Hindley E. B. & Co. (Silk Machy.)
•Johnson-Van Vlaanderen Machine Co.
•King & Gerber Co. (Machinists)
•Knapp C. H. (Textile Machy., etc.)
•†§McNab & Harlin Mfg. Co. (See New York City)
•Morrison Jas. L. Machine Co.
•Paterson Foundry Co. (Grey Iron Castings)
•Royle John & Sons (Photo Engraving, Rubber & Textile Machinery, etc.)
•Sipp Machine Co. (Silk Machinery, Gas Engines, etc.)
§Taylor Robt. & Son (Brass Fdry.)
•Terhune J. I. Machine Works (Silk & Velvet Finishing Machy., etc)
•Vreeland Chas. & Co.
•†Watson Machine Co. (Cordage & Silk Mill Machinery, Castings, etc.)
•Widmer Bros. (Silk Ribbon Machinery)
•Wood Drill Works (Rock Drills)

PAULSBORO—•Cox I. G. & Bro. (Agrl. Implements, etc.)
PENNSGROVE—•Homan Vandever S. (Gasoline Engines)
PERTH AMBOY—§•Chemical Pump & Valve Co.
•Hoyt Metal Co.
†Marcy Stove Repair Co. (Stove Repairers) (See New York City)
•Perth Amboy Dry Dock Co.
•†§Perth Amboy Foundry & Machine Co.
•†§Raritan Copper Works
•Raritan Dry Dock Co.
§•Sibley & Pitman
•†§Schantz & Eckert (Machy. Builders)
•†§White Patrick & Sons

PHILLIPSBURG — •†§Ingersoll-Rand Co. (See New York City)
*See adv index at end of book*
•Tippett & Wood
•†Warren Foundry & Machine Co. (Cast Iron Pipe & Water Works Specialties)

PLAINFIELD—•Accurate Engineering Co., 150 E 4th
*See adv index at end of book*

Jigs, fixtures, dies, tools and special machinery.
Permit us to estimate on your requirements.
Accurate Engineering Company
Plainfield, N. J.

British American Metals Co.
•International Motor Co. (See New York)
•Laing Machine Auto Repair Co.
•Manganese Steel Safe Co. (Manganese Steel Vaults & Safes.) Works: High Bridge, N. J.

National Vitaphone Corp.
•†Niles-Bement-Pond Co. (See New York City)
§Plainfield Brass Fdry.
•†§Scott Walter & Co. (Printing Presses, etc.)
Wood Newspaper Machinery Corp.

POTTERSVILLE—•†§Excel Mfg. Co. (Grinding Mill, Crushers & Pulverizers & Iron Castings)
RAHWAY—Regina Co.
RARITAN—•†§Kenyon D. R. & Son (Textile Machinery)
RIEGELSVILLE—Taylor, Stiles & Co. (Rag Cutting Machines, etc.)
RIVERSIDE—†Riverside Metal Co. (Castings of Phospher, Bronze, White Metal, etc.)
ROCKAWAY—•†§Hoagland's M. Sons Co.
ROSELLE PARK—•Shedd Electric Co. (Motors, etc)
•§Watson-Stillman Co. (Hydraulic Machinery.) (See New York City)
RUTHERFORD—•†§Fuchs & Lang Mfg. Co. (See New York City)
SADDLE RIVER—†Packer W. H.
SALEM—•Ayars Machine Co. (Canning & Can Making Machinery, etc.)
•†§Salem Brass & Iron Mfg. Co.
SAYREVILLE—†§•Sayre & Fisher
SMITHVILLE—•†§Smith H. B. Machine Co. (Wood Working Machy., etc.)
SOMERVILLE—•†Somerville Iron Works (Cast Iron Soil Pipe)
•†Somerville Stove Works (Stove Manufacturers)
SOUTH RIVER—•Kelsh Henry
TOWN OF UNION—•Haas G. M.
TRENTON—•Auer John B.
•Baker Wm. H. (Rubber Mill Machy., etc.)
•Barbour Bros. (Dies, etc.)
•†§Billingham Brass Machine Co.
•Butterworth Wm. H.
•†§Crossley Machine Co. (Pottery, Tile & Clay Machinery), State and Chestnut av
*See adv index at end of book*
•Darling C. Harry
East Trenton Machine Co.
•†Fisher & Norris (Anvils, etc.)
•Freeman E. H. Electric Co. (Electric Specialties)
•Ivens Wm. H. Sons Co. (Pottery, Mattress & Spring Bed Machinery), P. O. Box 647
•Logan Edw. Machine Co. (Pottery & Special Machinery)
•†§McFarland Foundry & Machine Co. (Grey Iron Castings & Repairs)
•†Mackenzie's Duncan Sons Co. (Steam Engines, Heavy Machinery, etc)
•†§Mott J. L. Iron Wks.
•Mueller Machine Co.
•Mueller Machine Co. (Clay & Tile Machy.)
•†National Radiator Co. (See Johnstown, Pa.)
†New England Steel Casting Co.
•Reeves-Cubberley Engine Co. (Gas Engines)
•§Roebling's Jno. A. Sons Co.
*See adv index at end of book*
†§•Skillman Hdwe. Mfg. Co.
•Spracklin Boiler & Machine Co.
•Stahl H. E. (Machinist)
•Sutphin Elmer E.
•†Thropp Wm. R. & Sons Co. (Rubber Machinery, etc.)
•†§THROPP'S JOHN E. SONS CO. (Marine Engines, Rubber Mill Machinery, Pottery Machinery, Cement Machinery, Grey Iron Castings, etc.), ft of Lewis.
*See adv index at end of book*
•§Trenton Brass & Machine Co. (Plumbers' Brass Goods)
•Trenton Engineering Co. (Marine Gasoline Engines)
•†§Trenton Malleable Iron Co. (Aluminum, Brass, Grey & Malleable Iron)
•†§Watson John & Sons Co. (Axles & Machinists, etc.)
Watson Wm. Machine Co.

UNION HILL—•Haas G. M. Structural Steel & Ornamental Iron Works
VINELAND—•Blaisdell Machine Works (Tools)
•Gage Tool Co. (Tools)
•Sawyer E. H. Machine Works
§Weaber & Son Adam
•†§Williams Foundry Co.

WESTFIELD—Harris-Clark Co.
Paramount Mfg. Co.
WEST HOBOKEN—*Calvano S. Iron Wks.
WEST NEW YORK—*Herman Iron Wks.
*Selbach-Meyer Co.
WHARTON—†Downs & Slater
WOODBINE—*Bayard M. L. & Co. (Tools, etc.)
WOODSTOWN—*Knowles Adam
*Peterson & Loveland

## NEW MEXICO.

ALBUQUERQUE—*†§Albuquerque Foundry & Machine Works
†§National Foundry Co.

## NEW YORK.

ADAMS—*Frazer Bros. Co. (Marine Engines)
ADDISON—†§*Chatfield E. S.
AKRON—†*Akron Fdry.
*Martin Bros.
*†Thayer A. T.
ALBANY—†§Albany Brass Foundry
*†Albany Car Wheel Co. (Car Wheels)
Albany Foundry Co.
*Albany Machine & Tool Co.
†Albany Malleable Iron Co. (Malleable Iron & Semi-Steel Castings)
*§Albany Steam Trap Co. (Steam Traps, Aluminum Castings, Finishing & Plating, etc.)
*Brohm & Molitor (Files, etc), 257 S Pearl
*Burdick & Son (Stove Specialties, Dies, etc.)
†§Campbell Architectural Iron Co. (Archl. Iron, etc.)
§Conlon Wm. J.
*§Consolidated Car Heating Co. (Car Heaters, etc.)
*§Cox Brass Mfg. Co. (Brass & Bronze Castings)
*Federal Signal Co. (Railway Signals & Switches)
§Fitz Gerald John L. (Brass & Composition Castings, etc)
*†§Gaynor P. F.
Gold Coin Stove & Fdry. Co. (Iron Foundry)
*Kelly L. J. Mfg. Co. (Lifting Jacks, Windlasses, etc.)
*Kemp Jas. N. Machine Works (Grinding & Polishing Machinery, etc.)
*†McKinley Jas. & Son (Builders' Iron Work, etc.)
*Nicholson Aaron (General Jobbing)
*†§Rathbone, Sard & Co. (Stoves)
*Skinner & Arnold (Steam Engines, etc.)
*Stevenson & Leonard Machine Co.
*†§Thacher Geo. H. & Co. (Fuel Economizers, Grate Bars, Grey Iron Castings, etc.)
*†Townsend Foundry & Mach. Shop Co. (Light & Heavy Mach'y, Castings, Paper Mach., etc), Broadway & Rensselaer
*See adv index at end of book*
*Van Nouhuys Machine Works,
ALEXANDRIA BAY—*Tassey Lewis
ALFRED—*Rogers Machine Tool Co. (Boring & Turning Mills)
AMBER—*Kinyon Willis
*†Newman A.
AMSTERDAM—*†§Inman Mfg. Co. (Paper Box Mach'y.)
*MacCordy Button Machine Co. (Button Mach'y, etc.)
*†§Perkins Foundry Co.
†§* Schmidt Edw. L.
*Shuler W. S., Spring Co. (Springs, etc.)
*Union Special Machine Co. (See Chicago, Ill.)
ANDES—†*Miller Thos. S.
ANGOLA—*Emblem Mfg. Co. (Bicycles)
ATHENS—*†§Athens Fdy. & Mach. Shop Co.
†Travis D. W. Sons
ATTICA—*Glor Bros. & Willis Mfg. Co.
*†Westinghouse Machine Co. (See East Pittsburg, Pa.)
AUBURN—*Auburn Ignition Mfg. Co. (Machine & Punch Works)
Bowen Products Corp., Auburn Div. (Machine Screw Work & Oiling Devices, etc.), 357 Canal.
*†Clapp E. D. Mfg. Co. (Carriage Hdw., etc), 300 Genesee
*Columbian Rope Co. (For Own Use Only), 3050 Genesee
*Eccles Richard Co. (Drop Forgings, Carriage, etc.)
*§Enterprise Foundry Co.
*Henry & Allen (Machine Knives, etc.)
*†McIntosh & Seymour Corp. (Marine Engines, etc.)
*Quick & Thomas Co. (Threshers, etc.)
*Wadsworth David & Son (Scythes, etc.)
AVON—*†§Champion Drill Co. (Grain Drills, Cultivators, etc.)
BAINBRIDGE—*American Separator Co. (Cream Separators)
BALLSTON SPA — *†§Davison-Namack Foundry Co. (Brass & Grey Iron & Semi-Steel Castings)
*Lackawanna Mfg. Co. (Gasoline Engines)
BATAVIA—*Baker Gun & Forging Co. (Shot Guns, Auto Parts, etc.)
*Batavia Clamp Co. (Clamps, etc.)
*Batavia Machine Co.
*†§Massey Harris Harvester Co. (Agrl. Implements)
*†§Wiard Plow Co. (Plows & Agrl. Implts.)
BEACON—†§*Dutchess Tool Co.
*†§Green Fuel Economizer Co. (Fuel Economizers, Blowers, etc.)
BERGEN — *§Miller Orville J. (Brass Fdry.)
BINGHAMTON—*American Fork & Hoe Co. (Forks, Hoes, etc.) (See Cleveland, O.)
*†Bowers L. M. & Co. (Anchors, etc)
*Canfield Gas Engine Co. (Gas Engines)
*Deyo-Macy Engine Co. (Gas Engines, etc)
*Doolittle L. G. (Flue Cleaners)
§Empire Brass Fdry.
†§*Fairbanks Co.
*Gaylord & Eitapenc Co. (Machinists, etc)
*Heath Robt. (Machinist)
*†§Jones of Binghamton, Inc. (Scales, etc.)
*Marvin Electric Drill Co. (Electric Drills, etc.)
*Remington Typewriter Co. (See New York City)
*†Shapley & Wells (Steam Engines, etc.)
*Sharp W. M. Mfg. Co. (Dental Machy., etc.)
*†Stow Mfg. Co. (Flexible Shafts & Electric Motors & Portable Electric Tools, etc.)
*See adv index at end of book*
*Titchener E. H. & Co. (Wire Gds.)
BOLIVAR—*Beatty & Jordan (Machinists)
*†McDonell & Brannen
BRASHER FALLS — *†§Kennehan P. E. Son & Co.
BUFFALO—*Acme Pattern & Machine Co.
*Acme Steel & Malleable Iron Works (Steel & Malleable Iron Castings), 245 Military rd
*Addressing Machine Co. (Tag Addressing Machines)
*Aldrich Mfg. Co. (Copper & Brass Goods)
*Aluminum Castings Co.
†American Brake Shoe & Foundry Co. (See New York City)
§American Bronze Co. (Aluminum & Bronze)
*†American Car & Foundry Co. (See St. Louis, Mo.)
*†American Radiator Co. (See Chicago, Ill.)
†American Seating Co. (See Chicago, Ill.)
*American Shading Machine Co. (Shading Machines), 693 Main
†Atlas Steel Casting Co. (Steel Castings)
*Augustine Automatic Rotary Engine Co.
*Automatic Buffing Machine Co.
†Barber Asphalt Paving Co. (Steam Road Asphalt Machy. & Tools, etc.), E Delavan av & Belt Line
*†Barcalo Mfg. Co. (Brass & Iron Bedsteads)
§*Bausch & Lomb Optical Co.
*Bergman Tool Mfg. Co.
†Bingham & Taylor, Ellicott Sq.
†Brown Car Wheel Works (Mfrs.), 466 Howard
*Bryant O. & Sons (Radiator & Special Machinery), 1407 West av
*Buffalo Bolt Co.
*Buffalo Brake Beam Co. (See New York City)
§*Buffalo Brass Fdry.
†Buffalo Car Wheel Foundry Co., Dun bldg
*†Buffalo Co-operative Stove Co. (Grey Iron Castings, Stoves, etc.)
*Buffalo Dry Dock Co. (Shipbuilders)
*Buffalo Engine Co. (Fertilizer & Garbage Disposal Machinery)
*†Buffalo Forge Co. (Engines, Blowers, etc.)
*†§BUFFALO FOUNDRY & MACHINE CO. (Grey Iron & Steel Castings up to 200 tons; Steam Hammers, Drying Machinery, etc), 65 Winchester av
*See adv index at end of book*
*Buffalo Gasoline Motor Co. (Gasoline Marine Engines, etc.)
*Buffalo Gear & Pattern Works, 18 Elk
*Buffalo Machine Mfg. Co. (Jewellers' Machinery)
§Buffalo Mfg. Co.
*§BUFFALO METER CO. (Water-Meters), 2921 Main
*See adv index at end of book*
*†§Buffalo Pitts Co. (Engines, etc.)
*†§Buffalo Scale Co. (Inc.), 1205 Niagara
*Buffalo Specialty Co. (Emery Grinding Machines), 375 Ellicott
*†§Buffalo Steam Pump Co. (Steam Pumps, etc) Works: N. Tonawanda, N. Y.
*Buffalo Structural Steel Co.
*Cary Safe Co. (Safes & Locks)
*§Case W. A. & Sons Mfg. Co. (Plbrs' & Steam Fitters' Castings, etc.)
†Century Iron Co. (Grey Iron), 1453 Niagara
†Contractors Casting & Machine Co., 743 Hertel av
*Crandall Can Filler Machine Co.
*Crowell D. J., 61 Terrace
Curtiss Aeroplane & Motor Corp., 1972 Elmwood
*Deck Brothers (Brass Founders, etc.),
†De Laney Forge & Iron Co., 300 Perry
*Devine J. P. Co. (Drying Drums, etc.)
*Diamond Saw & Stamping Works (Emery Wheel Dressers, etc), 357 7th *See adv index at end of book*
§*Dorries & Sons F.
*Double Truss Cornice Brake Co. (Sheet Metal Working Machinery)
*Driscoll & Fletcher (Printing Presses, etc), 75 Ellicott
*Dunn Machine Co. (Machinists)
*Eastman Machine Co. (Cloth Cutting Machines), 779 Washington
*Elsenhans Machine Works (Printers' Machinists & Special Mach.), 899 Main
*Empire Machine & Stamping Co. (Presses, Dies & Special Machy.), 59 Terrace
*†Ernst's Chas. F. Sons (Grey Iron & Builders' Castings)
*Ernst C. K.
*Excelsior Steel Ball Co., P. O. Box 52
*See adv index at end of book*
*Farnham Mfg. Co., 39 Indiana
*†Farrar & Trefts Inc. (Iron & Semi-Steel Castings, etc.)
*See adv index at end of book*
*Feine August & Sons Co. (Iron Fdry. & Bldrs, Iron Works), 140 Terrace
Ferguson Steel & Iron Co., Bailey av
*†Fillmore Av. Foundry & Iron Works
*Fisher Machine Tool Co. (Dies & Small Machine Work), 102 B'way
*Ford Bros., 23 Illinois
*§Fries & Co. (Aluminum & Brass Founders & Finishers), 91 Main
*†Frontier Chuck & Tool Co., 30 Letchworth
*Frontier Engine Works (Steam Engines, etc.), 9 Perry
*†Frontier Iron Works (Grey Iron Castings, etc.), 36 Letchworth
†General Castings Corp.
*General Specialty Co. (Boiler Tube Cleaners)
*†Ginther's J. Sons Co. (Iron Founders & Bldrs Iron Work, etc.)
Gray Machine Tool Co., Inc., 2661 Main

NEW YORK—Buffalo—continued
Great Lakes Pressed Steel Corp., 1400 Niagara, Buffalo, N. Y.
*Heiser Wm. Sons Co.
*Hession Tiller & Tractor Corp.
†§Hickey Fdry. Co.
*Holmes E. & B. Machinery Co. (Wood Working Machinery)
*†Howard Iron Works (Bolt & Nut Machinery, Pulleys, Vises, etc.)
*Huebner, Bleistein Patents Co., 1200 Niagara
*International Ball & Roller Bearing Co., 1283 Niagara
Jepson John W. Inc., 2665 Main
*Jetter & Co. (Hardware Specialties, Tools, Files, etc.), 861 Jefferson
*†Jewell Steel & Malleable Co. (Malleable Iron & Carbon Steel Castings)
*Jewett & Co. (Stoves, Ranges, etc.)
*Jones Iron Works (Iron Railings, etc.)
*Josef E. E. Mfg. Co. (Brass Finishers, etc.), 14 Perry
*Kelker Blower Co., 2383 Fillmore av
*Kelley Electric Machine Co. (Floor Scrubbing, Woodworking Machinery, etc.)
*Keystone Mfg. Co. (Ratchet Drills, Wrenches, etc.)
*†King Iron Works, 226 Ohio
*†King Sewing Machine Co.
*†§Lackawanna Steel Co. (Iron, Steel & Brass Castings & Machine Shop)
*†§Lake Erie Boiler Works (Marine Boilers & Plate Work)
†Lake Erie Foundry Co. (Grey Iron)
†Lawler Iron Works
*Lazier Gas Engine Co. (Gas Engines), 190 Main
*Learman Frank J., 150 Ellicott
*Liesinger R. T. G. (Packing House Machinery), Ellicott sq
*Lippard-Stewart Motor Car Co. (Auto Trucks)
*Lobee Pump & Machy. Co. (Pumps, etc.), East
†Long Grate Bar Co.
*§LUMEN BEARING CO. (Brass, Bronze & Copper Castings, Lumen Bearings, etc), 200 Lathrop
*See adv index at end of book*
M. S. W. Mfg. Co., 1527 Niagara
*McCarthy Bros. & Ford (Electrical Specialties, etc.)
†McKaig-Hatch Inc., 1590 Niagara
*Manzel Bros. Co. (Automatic Oil Pumps, etc.), 315 Babcock
*Mayer Carbureter Co., 2673 Main
†§Metal & Alloy Specialties Co., Inc., 25 Illinois
§Metal & Alloy Specialties Co., Inc.
*Mey Chain Belt Co. (Chain Belting & Elevating & Conveying Machinery, etc.)
Mollenberg-Betz Machine Co., 110 Washington
*National Brake Co. (Inc.), Ellicott sq
§National Bronze Fdry.
*National Grinding Wheel Co., 2984 Main
*National Welding & Mfg. Co. (Welding)
*†New York Car Wheel Co. (Iron Fdrs., Car Wheels & Couplings etc.)
§Niagara Brass Mfg. Co., 165 Adams
*†§NIAGARA MACHINE & TOOL WORKS (Iron Founders, Punches Presses & Sheet Metal Working Machinery, etc.)
*See adv index at end of book*
*Niagara Motors Corp. (Gasoline Marine Engines), Elliott sq
*Nichols & Wright Motor Co. (Valveless Engines)
*North Buffalo Hardware Foundry Co. (Grey Iron, etc.), 743 Hertel av
*†§Noye Bros. Co. (Flour Mills Machinery)
*Olin Gas Engine Co. (Mfrs.)
*Oliver A. F. Gear & Machine Co., 60 Cherry
*Oliver W. W. Mfg. Co. (Jewelers' Tools & Machinery, etc.), 1483 Niagara
*O'Neil Iron Works, Inc., 268 Perry
†*Otis Elevator Co.
*Peerless Husker Co. (Green Corn Husking Machines), 523 Cornwall
Perfection Machine Works, Inc., 18 Morris
*Phoenix Die Casting Co., 21 Illinois (Die Castings)
*Pierce Cycle Co. (Bicycles), 18 Hanover
*Pierce Wm. B. Co. (Boiler Tube Cleaners), 40 N Division
*†Pohlmann John W. Foundry Co. (Grey Castings, etc.), 205 Baltz av
*§Polson Mfg. Co.
*Pomeroy & Stellrecht, 582 Kensington av
*†§Pratt & Letchworth Co. (Steel & Malleable Iron Castings, etc.)
*Queen City Engineering Co. (Steam Pumps, Engines, etc), 49 Illinois
*§Ray Geo. A. Mfg. Co. (Brass & Copper Goods)
*Rice & Adams (Creamery Machy.), Robertson W. Machine & Foundry Co. ("Economy" Hack Saw Machines, Drill Presses, etc.), 56 Rano
*Robers Samuel C. & Co. (Brazing & Excelsior Machinery, etc), 10 Lock
*Ruger J. W. Mfg. Co. (Bakers' Machinery, etc.)
§Schnell Bronze Bearing Co. Inc.
*§Sherwood Mfg. Co. (Brass Fdrs., Engine & Boiler Specialties, etc.), 1709 Elmwood
*Sizer Forge Co. (Crankshafts, Marine Forgings, etc.), 238 Larkin
*Smith's John E. Sons Co. (Tanners' and Butchers' Machinery, etc.)
†Sowers Mfg. Co. (Soap Makers' Machinery), 1320 Niagara
*Spencer Lens Co.
*Squier Geo. L. Mfg. Co. (Plantation Machinery)
*†Standard Foundry Co. (Iron Castings)
*Sterling Engine Co. (Marine Engines, etc.)
*Stoll D. H. Co. (Presses, Shears, Dies, etc.)
†Strong Steel Foundry Co. (Steel Castings)
*Taber Pump Co. (Rotary Brewery Pumps, etc.)
*†§Taylor W. P. Co., Ellicott sq
†*Trout Co., H. G.
§Unique Brass Fdry.
*†U. S. Brake Shoe Co. (Brake Shoes, etc.) Works: Corry, Pa., & Walton, N. Y.
*†U. S. Cast Iron Pipe & Foundry Co. (See Burlington, N. J.)
*§U. S. Hame Co. (Steel Hames, etc), U. S. Headlight Co. (Headlights, etc.),
*Victory Mach. & Lbr. Co., Inc. (Woodworking Machinery)
*Wegner Machine Co. (Ice & Refrigerating Machinery, etc.)
*White L. & I. J. Co. (Edge Tools, Machine Knives, etc.), 120 Columbia
*Whitman Machine Co. (Engines), 178 Ohio
*Wittemann Co. (Brewers' Machinery), 842 Elk
*†§Worthington Pump & Machinery Corp. (Snow Work)
*§Zero Valve & Brass Mfg. Co. (Brass Founders & Finishers)

CALEDONIA—*†Caledonia Bean Harvester Works (Bean Harvesters, etc.)
CAMDEN—†*Hydraulic Turbine Corp.
*Hynes Frank R.
CANANDAIGUA—*Salnave W. A.
CANASTOTA—*†§Cady C. N. Co. (Gasoline Motors)
*Mahan James
*Marvin & Casler Co. (Boring Tools)
*Watson Wagon Co. (Dump Wagons, etc.)
CANTON—*†§Dishaw & Dishaw
CARTHAGE—*†§Carthage Machine Co.
†§*Renaud D. J. & Son
*†Ryther & Pringle Co. (Paper Mill Machinery)
*Wilna Machine Co.
CATO—†Dutton E. Q. & Co. (Agricultural Implements, Plows, etc.)
CATSKILL—*†§Catskill Foundry & Machine Co. (Machinists & Founders, Gears, Pinions, etc.)
CENTRAL BRIDGE—*Campbell S. K. Co. (Threshers, etc.)
CHAMPLAIN—*†§Sheridan Iron Works.
CHARLOTTE—*Morrison H. D.
CHURCHVILLE—†Snyder H. F.
CLAYVILLE—Clayville Fdry. & Mach. Co.
CLYDE—*†Wood S. W. Engine Co. (Portable & Traction Engines & Brass & Iron Castings)

COBLESKILL — *†Harder Mfg. Co. (Threshers, Clover Hullers, etc.)
*†Rickard Ira D.
COHOES—*Beattie Mfg. Co. (Textile Machy.)
*Campbell & Clute Machine Co. (Textile & Knitting Machy.)
*†Cohoes Iron Foundry & Machine Co. (Slashing Machy. & Elevators & Brass & Iron Castings)
*See adv index at end of book*
*†Cohoes Rolling Mill Co.
*McCreary Edw. (Textile Machinery)
§Rensselaer Valve Co. (See Troy, N. Y.)
§Simcox Jos. H. (Brass & Bronze Castings)
*Union Special Machine Co. (See Chicago)
COLD SPRING—*†DuBois Foundry Co. (Vanadium & other iron Castings)
COPAKE FALLS — †Columbia Plow Works (Plows, etc.)
CORNING—†Corning Fdry. Inc.
*Empire Machine Co.
†*Hood Furnace & Supply Co.
CORTLAND—*†§Cooper Bros.
*Cortland Grinding Wheel Corp.
*†§Cortland Foundry & Machine Co.
*Gooley & Edlund (Milling Machines)
COXSACKIE — *†§American Valve Co. (Valve Mfrs., etc.)
*†Newbury J. G. Iron Works
†Walther Bros.
CROTON FALLS—*Higley Machine Co. (Metal Cutting Off Machines, etc.)
*Juengst Geo. & Sons
DANSVILLE—*Power Specialty Co.
DEPEW—*†Gould Coupler Co. (Car Couplers & Malleable Iron Castings). (See New York City)
*§Magnus Co. (Babbitt Anti-Friction Metals, etc.)
*Railway Steel Spring Co. (See New York City)
DOLGEVILLE—*Menge Wm.
DUNKIRK—*†§American Locomotive Co. (Locomotives). (See New York City)
*Commercial Machine Co. (Camshafts, etc.)
†*Continental Heater Co.
*Dunkirk Machine & Boiler Co. (Jobbing, etc.)
*Flesher Chas. H. (Machinist)
*Niagara Motors Corp. (Gasoline Marine Engines
*†United States Radiator Corp. (See Detroit, Mich.)
EAGLE MILLS—†Rowe Henry
EAST AURORA—*†Peek's S. H. Sons (Plows, etc.)
EAST ROCHESTER—East Rochester Iorn Works
*†Ontario Drill Co. (Grain Drills, etc.)
EBENEZER—*Gilfillan F. C. (Gas Regulators)
EDMESTON—*Greene Nelson L. (Est. of)
ELBA—*†Barr Newton L.
ELLENVILLE—*†§Hoyt, Canner & Co. (Castings, etc.)
ELMIRA—*§American La France Fire Engine Co.
*†Elmira Boiler & Iron Works (Jobbing, etc.)
*†Elmira Foundry Co. (Grey Iron Castings, etc.)
*Hilliard Clutch & Machy. Co. (Friction Clutches)
*Horton Machine Works (Basket Mach'y)
*†§Kennedy Valve Mfg. Co. (Valves, Hydrants, Indicator Posts, etc.)
*See adv index at end of book*
*§Swift Lubricator Co. (Lubricators, Valves, etc.)
*Thomas Chas. (Jobbing)
*Willys-Morrow Co. (Auto & Tractor Parts)
ENDICOTT—*Bundy Mfg. Co. (Adding Machines)
*International Time Recording Co. of New York (Time Recorders & Time Stamps)
FAYETTEVILLE—*Precision Die Casting Co.
*†Van Wagner E. B. Mfg. Co.
FISHKILL ON THE HUDSON—*†§Dutchess Tool Co.
*Potter-Morgan Mfg. Co. (Spring Brakes, etc.)
FONDA—*Mohawk Machine Shop
FORT PLAIN — *Walrath Alphonso Co. (Broom Machy.)

FRANKFORT—*†Acme Road Machinery Co. (Road Machinery, etc.)
*Pratt Chuck Co. (Chucks, etc.)
FRANKLINVILLE—*Stone F. L.
FREDONIA—*Hammond J. W.
FRIENDSHIP—*†Drake Hdw. Co. (Stoves & Dairy Goods)
FULTON—*†§Dilts Machine Works (Paper & Pulp Mill Machinery, Machine Knives & Castings, etc.)
*Foster Bros. & Chatillon Co. (Edge Tools)
*Hunter Arms Co. (Fire Arms, etc.)
*Hunter Fan & Motor Co. (Water Motors, Fans, etc.)
GASPORT—*Friend Mfg. Co. (Spray Pumps, etc.)
GENEVA—*†Catchpole Boiler Foundry & Machine Co.
*Fay & Bowen Engine Co. (Gasoline Engines, etc.)
*McCarroll W. W.
†§Phillips & Clark Stove Co. (Stove Mfrs.)
†Summit Foundry Co. (Stoves, Ranges & Furnaces)
†*U. S. Radiator Corp.
GLENS FALLS—*†§Dix Chas. B.
*†Glens Falls Portland Cement Co.
†Hopes Combustion Engng. Co.
GLOVERSVILLE — *†Curtin Hebert Co. (Glove Machinery, etc.)
*Corey Machine Co. (Glove & Leather Machinery, etc.)
*†§Steele Mfg. Co.
GOSHEN—*†Newbury J. H. (Cast Iron-Fittings, etc.)
GOUVERNEUR — †§*Johnson Mach. & Tool Co.
GOWANDA — *†§Gowanda Agricultural Works (Agl. Implts., Grey Iron Castings, etc.)
*Moench C. Sons Co. (Repair Work for Tannery, etc.)
*Smallwood W. R. Mfg. Co. (Corrugated Steel Fasteners, etc.)
GRASSY POINT—*§Wiles A. M. & W. H. Co.
GREENE—*§Lyon Iron Works (Fdrs. & Machinists, Feed Cutters, etc.)
§Mosher J. R. (Brass, Bronze & Aluminum Castings)
GREEN ISLAND—*Clifford Jas. J. & Co. (Machinists)
*†Sweet & Doyle Foundry & Machine Co. (Special Machy. & Grey Iron Castings)
GREENPORT—*Gaffga J. S. & Co. (Gasoline Engines)
*Greenport Basin & Construction Co. (Ship & Engine Builders)
*Hedges Samuel P. (Machinist)
*Tuthill & Thorn
GREENWICH—*†§Eddy W., Plow Co. (Plow Mfrs. & Castings)
GREENWOOD—†*Jackson O.
GROTON—†*American Road Machy. Co. Inc.
*Groton Bridge Co.
GUILDERLAND—*†§Guilderland Foundry Co.
GUILFORD—*†§Merchant P. A.
HAMILTON—*†§Graham Dwight
HAMMOND—*†§Evans B. A. (Agt. Implts.)
HANCOCK—†Stimson T. F. (Iron Fdry.)
HASTINGS - ON - HUDSON — †*National Conduit & Cable Co.
HAVERSTRAW—*†Waldron Chas. (Brick Machinery)
HERKIMER—†Herkimer Foundry Co.
*Klock A. B. (Machinist)
*Quackenbush H. M. (Air Rifles, etc)
HILLBURN — *†Ramapo Iron Works (Cars, Castings & General Truck Equipments)
HILLSDALE—†Hillsdale Plow Co.
HONEOYE FALLS—*†Yorks Foundry & Machine Shop
HOOSICK FALLS—*†§ Noble & Wood Machine Co. (Paper Mill Machy.)
*Witham Co. (Paper Mill Machinery)
*†§Wood W. A. Mowing & Reaping Machine Co. (Agricultural Implements, etc.)
HOPEWELL JUNCTION—*Martin Wm. A. (Machinery)
HORNELL—†Davis Fdry. (Inc.)
*Deer A. J. Co. (Coffee Mills, Meat Choppers, etc.)
HORSEHEADS—†§*Reeves Chas. S.
*†Weller Hdw. & Fdry. Co. (Gray Iron Castings)
HUDSON—*†§GIFFORD-WOOD CO. (Ice Handling Machinery, etc.)
†*Mechanical Handler Co.
*†Railway Steel Spring Co. (Car Wheels, Steel Springs, etc.)
HUDSON FALLS—*Hibbard Gas Engine Co.
*†§Sandy Hill Iron & Brass Works (Paper Mill Machy. & Iron & Brass Castings)
ILION—*Carney E. P. (Garage & Machinists)
*Dyett Frank J Co.
*Remington Arms-Union Metallic Cartridge Co.
*†§Remington Typewriter Co.
INTERLAKEN—*Covert Saddlery Works, (Neck Yokes, etc.)
IRVINGTON—†American Abrasive Metal Co.
*†Lord & Burnham Co. (Horticultural Builders & Greenhouse Heating Apparatus). (See New York City)
ITHACA—*Champaign Bros. (Boat Builders)
*†§Godfrey E. E.
*Ithaca Gun Co. (Guns)
*†§Lang J. B Engine & Garage Co.
*†§Morse Chain Co. (Power Transmission Appliances, etc.)
*See adv index at end of book*
*Shaw M. D.
*†§Williams Bros. (Well Drilling Machinery
JAMESTOWN—*Anderson Bros. (Machinists)
*§Art Metal Construction Co.
*See adv index at end of book*
*Blackstone Mfg. Co. (Washing Machines)
*Crescent Tool Co. (Special Machinery, Tools, etc.), 200 Harrison
*Curtis Machine Corp. (Furniture Machinery)
*§Eagle Fdry. & Mach. Co. (Fdrs. & Machinists)
§*Ellison Brass Mfg. Co. Inc.
*Gurney Ball Bearing Co.
*Hjorth Wm. & Co. (Wrenches, etc.)
*†§Jamestown Iron Works Co.
*Maddox Machine Co. (Woodworking Machinery)
*†§Maher Patrick (Machinist & Fdry.)
*Rushworth & Son (Machinists)
*§Weber-Knapp Co. (Brass Castings, etc.)
JOHNSON CITY—*Central Flatiron Mfg. Co. (Gas Irons)
JOHNSTOWN—*Camm Geo. E. & Son
*Gustin M. & Son (Glove Dies, etc.)
*†Travis & Oczko
KINGSTON—*Dixon Chas. R. Co.
*Hoysradt & Case (Clothes Pressing & Special Machinery)
*King A. R. Mfg. Co. (Machy., Tools, etc.)
†*Kingston Mach. & Fdry. Co., 82 Prince
*†Lawton Wm (Foundry & Machinist)
*†Long E. G. Co. (See New York City)
*†§Millard Jas. & Son Co. (Brick Machy. & Castings)
*Rice Jacob & Sons
*Universal Road Machinery Co. (Road Making Machinery)
LANCASTER—*†American Malleables Co.
*Lancaster Machine & Knife Works (Bit Braces, Machine & Knife, etc.)
LEONARDSVILLE—†Babcock Mfg. Co. (Agrl. Implements)
LE ROY—*†Le Roy Plow Co. (Plows, etc.)
LESTERSHIRE—†Heath W. A. Machine Co. (Woodworking Machy.)
†Sweet Bros.
LIMA—*Bailey Engine Co. (Bottle Washing Machines, etc.)
LITTLE FALLS—*Burrell D. H. & Co. (Dairy Machy.)
*Cheney Henry Hammer Co. (Hammers, Tools, etc.)
*†Reddy's M. Sons (Castings, etc.)
*Snyder Homer P. Mfg. Co. (Knit. Machy.)
*Stafford & Holt (Knitting Machy.)
LOCKPORT—*Covert Motor Vehicle Co. (Automobile Transmissions)
*†Dussault Foundry Works
§Electric Smelting & Aluminum Co.
*Ferree E. H. Co.
*†§Hall Iron Works
*Harrison Radiator Corp.
*Kolb Edw. (Machine Work)
*Korff F. W. Electric Co.
Lockport Foundries Corp.
*†§McKim Foundry & Machine Co. (Laboratory Machines & Castings)
*†Merritt Mfg. Co. (Wood Working Machy.)
*Niagara Paper Mill (For their own Rprs.)
*Nolan Wm. Co. (Machinist)
*†Richmond Mfg. Co. (Flour Mill Machinery.)
*§Stoddard Union Co.
*Trevor Mfg. Co. (Shingle, Heading, Staves, Handle & Wood Pulp Machinery)
*Western Block Co. (Tackle Blocks, etc.)
LOWVILLE—*†§Fulton Machine & Vise Co. (Power Pumps, Vises, etc.)
Virkler A. G.
LYONS—*†Berns & Schlee
*Nagley Mfg. Co. (Tobacco Planters' Machy., etc.)
MALONE—*†§Hinds Thos. Co. (Stone Polishing & Stone Sawing Machy. & Castings)
MANLIUS—*†Cheney S. & Son (Iron Fdrs.)
*†§Scoville E. U. Co (Stable Fixtures, etc.)
MARATHON—†§*American Road Machy. Co.
*†Livingston Jas. (Machinist & Fdry.)
MATTEAWAN—*†§Green Fuel Economizer Co. (Fuel Economizers, Blowers, etc.)
MECHANICSVILLE—†Eckerson Bedding Co. (Beds)
MEDINA—*†§Bignall Co. (Sinks, Plumbers' Supplies, etc)
*†Central Foundry Co. (See New York City)
*ERIE PUMP & ENGINE WORKS, INC. ("Erie" Engines & Pumping Machinery), 141 Glenwood av
*See adv index at end of book*
*†Medina Foundry Co. (Soil Pipe & Fittings)
†*Medina Iron & Brass Co.
*§Medina Stamping & Machine Co.
*†§Swett A. L. Iron Works (Grey Iron Castings, Plumbers' Castings, etc)
MERIDIAN—†Everts Mfg. Co. (Plows, etc.)
MIDDLEPORT—*Lewis E. J. (Canning Machy.)
*Niagara Sprayer Co. (Spraying Machines)
†Sherwood & Snell
*Whittaker F. A.
MIDDLETOWN—*§Coleman, Galen (Castings All Kinds, General Machy., etc.)
*Ideal Wrapping Machine Co.
*Madden & Morrison File Co.
*§Martin Jas. G. (Castings of Every Description)
*Morgans & Wilcox Mfg. Co. (Printing Machinery)
MONROE—*†Newbury Mfg. Co. (Castings & Steam Fittings, etc.)
MONTOUR FALLS—*Montour Steel Co.
*SHEPHARD ELECTRIC CRANE & HOIST CO. (Electric Crane & Hoists, etc.)
*See adv index at end of book*
MORAVIA—*†Cady Geo. S. & Son (Fdrs.)
MOUNT MORRIS—*Empire Machine Works (Wood Working Machy.)
*†Genesee Valley Mfg. Co. (Grain Drills, Harrows, Corn Shellers, etc.)
MOUNT VERNON — †§Henry-Bonnard Bronze Co.
*Moberg C. J. Inc.
MUNNSVILLE—*†§Munnsville Plow Company
NASSAU—†Grubb & Kosegarten Bros.
NEWARK—Birdsall Engine Co.
NEWBURGH—*†§Abendroth & Root Mfg. Co. (Grey Iron & Brass Castings, Water Tube Boilers, etc.)
*See adv index at end of book*
*†§Alberger Pump & Condenser Co. (Pumps, Condensers, Engines, Ice Machines & Grey Iron & Brass Castings, etc.). See New York)
†*Coldwell Lawn Mower Co. (Lawn Mowers, etc.)
†*Coldwell-Wilcox Co. (Sugar Machy., Sluice Gates & Iron & Brass Castings, etc.)
§Kimball's S. G. Son (Brass Fdr.)
*†Marvel T. S. Shipbuilding Co.
*†Turl Iron & Car Co. (Sugar Machinery, etc.), 50 Broad, New York

NEW YORK—continued
**NEW HAMBURG**—*†Stuart R J & T H (Compression Wedge Couplings, Castings, etc.)
**NEW LISBON**—*George M. & R. L. (Steam Engines, etc.)
**NEW ROCHELLE**—*Vogel R.

## NEW YORK CITY.
### Borough of Brooklyn.

BROOKLYN—*Acme Die Casting Co., 87 35th
*†§Acme Foundry Co., 308 N Henry
*Acton Jno. (Machinist), 118 John
*Adriance Machine Works, 80 Richards
*Ambrose Machine Co. (Machinists, Metallic Packings, etc), 25 & Eagle
*American Brass Fixture Works (Brass Goods, Railings, etc.), 66 Greenpoint av
†American Casting & Mfg. Corp., 30 Main
*American Krupp System—Diesel Engine Co. (Diesel Oil Engines), 165 Broadway
*American Machine & Foundry Co. (Tobacco Machy.), 5520 2d av
*American Numbering Machine Co., 224 Sheperd av
*American Stopper Co. (Bottlers' Machy.), 19 Verona
*Atlantic Basin Iron Works, 168 Van Brunt
*Atlantic Iron Works, 441 11th av
*†Auer Jno. Jr., 197 Middleton
*Ball Gear & Machine Co. (Gears, Machinery, etc.), 56 Greenpoint av
*Ball & Jewell (Machinists), 24 Franklin
**BEACH-RUSS CO.**, 216-224 B'way
*Bergstrom & Bass (Engrs. & Machinists), 158 2d av
*Blattner Fred'k (Machinist & Millwright), 984 Grand
*§Brass Goods Mfg. Co. (Brass Goods, etc.), 345 Eldert
*Briggs Engineering Co., ft. 24th
*§Brooklyn Brass Wks. (Plumbers' Brass Goods, etc.), 263 Scholes
†§Brooklyn Navy Yard, Sand
*†Brooklyn Vault Light Co. (Vault Light, etc.), 254 Monitor
*†§Brown & Patterson, 33 Marcy av
*Burley Welding Works, 20 Kosciusko
*Burr John T. & Son (Machine Tools, etc.), 429 Kent av
*Cameron Machine Co. (Cloth Cutting Machinery, etc.), 61 Poplar
*See adv index at end of book*
*Campbell Jas. F. & Son (Files, etc.), 13 Frost
*Century Pump Co. (Pumps, etc.), 719 6th
*Cevasco, Cavagnaro & Ambrette, 156 6th
*†Chevalier Bros. Co.
*Christoffel's A. Sons (Tube Cleaners, etc.), 277 Eldert
*§Columbia Machine Works & Malleable Iron Co. (Electric Railway Appliances, Grey Iron & Brass Fdry.), Atlantic av & Chestnut
Columbia Foundry Co., Inc., 451 Hicks
*Columbia Mills, Inc. (Machine Shop for Own use), 225 5th av
Cooper Flexible Transmission Co., 8th av & 18th
*§Coyne & Delany Co. (Brass Fdrs., Plumbeers' Specialties, etc.), 832 Kent av
†§Craig Foundry Co. (Iron Castings), 42 Sanford
Crane's T. A. Sons Co. (Erie Basin), ft Columbia
*†§Creamer F. D. & Co., 26 Court
*†§Creamer W. G. & Co., Smith
*Currie J. B. & Son, 72 Adams
*Daley Laundry Machy. Works, 337 Butler
*Deverall Perfection Mfg. Co. (Brass Specialties, etc.), Caton av
*Doig Wm. S. (Est. of) (Box Nailing Machy.), 54 Franklin
†Eagle Iron Works, 850 De Kalb av
*Eggers Wm. J. (Rubber Molds, etc.), 294 Taaffe pl
Eisemann Magneto Corp., 32-33rd
Electric Operations Co. (Electrical Machines), 254 36th
*Ellsworth S. P., 40 S 8th
*Elsesser Michael, ft Court
*Emmerich Fred'k, 365 Flushing av
*Empire Machine Works, Berry
*Faas Chas. R. (Tool Maker), 34 S 6th
*Fanning Josephine P., 678 Jefferson av
*§Fisher A. B. Co., 18 Dunham pl
*Fogarty M. J. (Machinists), 40 Harrison
*Foster Pump Works, Inc., 37 Bridge
*Franklin Machine & Steam Boiler Works (Machinists, etc), 21 Franklin
*†§Fulton Foundry & Machine Co. (Machinists & Iron Fdrs.), 21 Furman
§*Gates Peace & Co., 665 Manhattan av
§*Generator Valve Co., 47 Dinsmore pl
*Gill P. H. & Sons (Forgings, Grain Elevators, Power Transmitting Machinery, etc.), 2 Lorraine
*§Graf Jos. (Brass Finisher), 886 Park av
§Greenpoint Brass Foundry, 38 Franklin
†§Greenpoint Metallic Bed Co., 226 Franklin
*†Guild & Garrison (Pumping & Sugar Machy., etc.), 457 Kent av
*Hall & Hurlbert, ft of 24th
†Halloran Thos. (Iron Fdry.), 890 Metropolitan av
*Hamann Machine Co., 24 Quincy
§Hamilton Robt. & Sons, 56 Water
*Hartley T. (Engineer & Machinist) 75 Delevan
†§*Heclar Iron Works, 118 N 11th
*Henry Engineering Co., 116 27th
*Hibbard W. H. Mfg. Co. (Power Presses, Shears, etc.), 79 Washington
*Holland Frank & Son, 683 Lorimer
*Hoole Machine & Engraving Works (Book Binders' Machinery), 29 Prospect
*Houchin-Aiken Co. (Candle & Soapmakers' Machinery, etc.), 113 53d
*Hubbard's Norman Sons (Vacuum Pump & Veneer Sawing Machines), 265 Water
*Huber Machy. Co. (Soap Machy.), 261 46th
§Huethwohl Louis, 513 Flushing av
*International Postal Supply Co., 634 Prospect pl
*Intertype Corp. (Typesetting Machines), 50 Court
†§*Jackson Co. N. R., 335 Carroll
§Jefferson Brass Fdry., 209 King
*†Johnson J. D. Co. (Cast Iron Soil Pipe & Plumbers' Castings), 43 Boerum pl
*Judge Harry W., 236 Pearl
*Kelting Albert J. (Machinist & Engineer), 459 Carroll
*Kent Machine Works, 39 Gold
†Kings County Iron Foundry, Inc. (Sash Weights, etc.), Gardner av & Meserole
*Krantz Mfg. Co. (Electric Instruments), 160 7th
†§Lefferts Chas. A. & Co., 109 2d av
*Lehmann & Schaefer, 321 Palmetto
†Lewis & Egginton, Meserole
*McAdams Jno. & Sons (Paging & Ruling Machines), 978 Kent av
*Marresford Wm. F. (Wallpaper & Bookbinders' Machy.), 56 Pearl
*†Mergenthaler Linotype Co. (Linotype Machines), 24 Ryerson
*Metal Specialty Mfg. Co., 125 Patchen av
*†§Metcalf Saml. (Brass & Iron Fdry.), Seabring
*Metropolitan Iron Fdry., 890 Metropolitan av
*Miller Wm. P. Co. (Bailing Presses), 250 Greene.
*§Mills Wm. J. (Brass & Bronze Fdrs. & Machinists), 25 Bainbridge
*Morse Dry Dock & Repair Co. (Marine Works), ft 56th
*Mulstein Jno. Co. (Tools), 211 3d av
*Murcott & Campbell (Files), 296 Union av
*§Murray John A. (Brass Finisher), 112 Front
National Foundry Co. of N. Y., 10 Sanford
*§National Meter Co., 42d & 1st av. (See New York)
*Nebel Martin A. (Cement, Paint Grinding Machy., etc.), 72 Grand av
*New York Gear Works, 56 Greenpoint av
§Nichols Gas Fixture Mfg. Co. (Gas Fixtures), 1100 Myrtle av
*Oakley & Keating (Laundry Machy.), 673 Manhattan av
*Oldham New York Saw Works Inc. (Saws), 112 26th
*Olsen Andrew (Machinist & Boiler Maker), 39 Union
*Paper Working Machines Co. (Paper Working Machy., etc.), Av U
§Paulson Thos. & Son (Brass Castings & Anti-Friction Metals, etc.), 97 2d av
*§Penn Brass & Bronze Works (Brass & Bronze Founders, etc.), 111 Doblin
*Phelan Jos. E. (Brass Finisher), 429 Kent av
*Pioneer Iron Works (Asphalt, Paper Taring Sugar Machinery, etc.), 149 Pioneer
†§Pitz & Weber, 287 Scholes
*Pollard Jos. G. (Tools), 141 Raymond
*Pringle Thos. G. (Machinist), Clay
*Reeve Henry E. (Mechl. Engr. & Machinist), 459 Carroll
*§Reid R. W., 595 Kent av
†§Riley John J. Co. (Iron & Brass Foundry), Van Brunt
Roberts Numbering Machine Co. (Machinists), 706 Jamaica av
*Robertson John & Co. (Lead Pipe Machinery), 133 Water
*Robins Dry Dock & Repair Co. (Marine Repairs), Beard
*Rockwell L. A. Co. (Bakers' Machy., etc.), 430 Smith
§Roman Bronze Works (Bronze Castings only), 275 Greene
Roovers Bros., 100 Schermerhorn, Brooklyn, N. Y.

**ROOVERS BROS.**
**Pattern, Figure and Letter Embossing Presses, Etc.**
**100 Schermerhorn St., Brooklyn, N.Y.**

*†Ross Chas. & Son Co. (Paint Grinding & Mixing Machy., 148 Classon av
*†Roy Engineering & Iron Works, 51 Otsego
†§Royal Metal Furniture Co., 125 8th
Saladin Louis, 1241 DeKalb av
*Sittmann G. & Sons, 105 Liberty
†§Smith & Loughlin (Iron Fdrs.), Driggs av & N 5th
*§Staats Geo. & Co. (Brass Founders & Finishers), 74 Bayard
†Standard Iron Foundry, 53 Dobbin
*Sterling Brass Polishing Co. (Brass Finishers), 105 Livingston
*Stimpson Edwin B. Co., 68 Franklin av
*§Sweeny W. H. Mfg. Co. (Brassware, etc.), 30 Main
†Taylor & Co. (Machine Molded Castings, etc.), 680 Morgan av
*Tebo Yacht Basin Co. (Marine Repairs), ft. 23d
*Terry & Williamson, 43 Sedgwick
*Thompson-Bonney Co. (Electrical Specialties), 18 Henry
*Thomson Meter Co. (Water Meters), 110 Bridge
*Tickle Arthur, 21 Delevan
§Tighe John J., 150 25th
Twin-O-Matic Machine & Tool Co., Inc., 160 John
*See adv index at end of book*
*Vierengel Matthew (Machinist), 32 S 6th
†§*U. S. Navy Yard Fdry.
*Ward Geo. H. & Co. (Steam, Hydraulic, Electric & Refrigerating Plants, for Marine Purposes, Engine Repairing, etc.), 78 Delevan
*Warp Twisting-In Machine Co., 260 Van Brunt
*Weisbecker Francis A. & Sons (Polishing Machines, etc.), 22 Frost
*Weiss L. T., 286 Taaffe pl
*Wenstrom's John Sons, 623 Bergen

•Wesel F. Mfg. Co. (Electro & Stereotyping & Photo Engravers' Machinery, etc.), 70 Cranberry
•Whale Creek Iron Works, 245 Huron
•§White J. H. Mfg. Co. (Gas & Electric Light Fixture Parts & Trimmings), 111 N 3d
•Wischerth Mfg. Co., 302 McDougal
•Wittemann Bros. (Bottlers' Machy. & Supplies, etc.), 41 Ferris
•Wright J. K., 390 Smith
•†Wurster F. W. & Co. (Wagon Axles, etc.), 375 Kent av

**Boroughs Manhattan and Bronx.**

NEW YORK—Acieral Co. of America, 26 Cortlandt
•§Acme Brass Works (Brass Finishers, etc.), 147 Baxter
•†§Alberger Pump & Condenser Co. (Pumps, Condensers, Engines, Ice Machines & Grey Iron & Brass Castings, etc.), 140 Cedar. Works: Newburgh, N. Y.
•Allen Jno. F. Co. (Riveting Machines), 370 Gerard av
•†§Allis-Chalmers Mfg. Co. (See Milwaukee, Wis.), 50 Church
•Allman Gas Engine & Machine Co. (Gas Engines, Ice Breakers, etc.), 461 Canal
Aluminum Casting & Mach. Co., 206 B'way
†American Abrasive Metals Co., 50 Church
•American Air Compressor Works, 26 Cortlandt
•†American Brake Shoe & Foundry Co., 30 Church
§American Brass & Copper Co., 138 Lafayette
§*American Brass Forging Co. Inc., 168 Southern blvd
•†American Bridge Co. (Iron, Steel & Brass Castings), 30 Church
•†§American Car & Foundry Co., 165 B'way
†*American Enameling Mfg. Corp., 171 Madison av
American Huhn Metallic Packing Co., 233 Broadway
•†American Locomotive Co. (Locomotives), 30 Church. Works: Providence, R. I.
•American Malleables Co. (Malleable Iron Castings), 30 Church
•American Meter Co. (Gas Meters & Appliances), 105 W 40th
American Railway Supply Co., 134 Charles
•†American Smelting & Refining Co., 120 B'way
•American Swiss File & Tool Co., 24 John
•American Wringer Co., 99 Chambers. Works: Auburn, N. Y.
•American Writing Machine Co. (Typewriters), 339 B'way
•Arthur Co. (General Machine Works), 188 Front
•Aue Ferdinand Co., 401 E 91st
•Automatic Engraving & Mfg. Co. Inc. (Special Machy), 2033 5th av
•Automatic Sprinkler Co. of Am. (Fire Sprinklers), 123 William
•Automatic Switch Co. (Electric Devices), 4 White
•Ayres Jno. W. & Son, 88 Walker
•†Babcock & Wilcox Co. (Water Tube Boilers & Castings), 85 Liberty
*Ballwood Co., The (Welded Pipe, etc), 30 Church
*See adv index at end of book*
Baranowitz M (Machinist), 182 Centre
•Bassemir John & Son (Brass Finishers), 87 Frankfort
•Bay Gottfried (Millwright), 537 W 50th
•Bayer-Gardner-Himes Co. (Cabinet Hardware, etc.), 101 Park av
•**BEACH-RUSS CO.** (Vacuum Pumps & Pressure Blowers, etc), 216-224 Broadway.
*See adv index at end of book*
•Bender Ph. J. & Sons (Machinists, Presses, Dies, Tools & Special Machinery), 87 Frankfort
•Benton Mfg. Co. (Registering Machines, etc.), 9 Bethune
•Berggren & Pearson Machine Co. (Model & Experimental Work, Fine Machinery & Tools), 221 Canal
Bird-Archer Co., 90 West
•Blair Tool & Machine Works (Machine Work), 521 Greenwich
•Bogue Chas. J. Electric Co. (Dynamos & Motors), 513 W 29th
•Boucher H. E. Mfg. Co. (Special Machy., etc.), 150 Lafayette
•†Bradley G. W Axe & Tool Mfg Co., 119 Leonard
Brass Goods Mfg. Co., 107 Lafayette
•§Brinkerhoff's J. P. Sons (Brass Fdrs. & Finishers), 57 Dey
*Bromley Merseles Mfg. Co., 1328 B'way
§Bronze Metal Co. (Brass & Bronze Castings, etc.), 30 Church, Works: Meadville, Pa.
•†§Brown A. & F. Co. (Power & Rope Transmitting Machinery, Hangers, Pulleys, etc.), 79 Barclay
Brunswick Marine Construction Corp., 63 Wall
•Buffalo Brake Beam Co. (Brake Beams), 32 Nassau, Works: Buffalo, N. Y.
•Bulasky L. (Hat Machy., etc.), 44 E Houston
•†§**CAMERON A. S. STEAM PUMP WORKS** (Steam Pumps, etc), 11 Bowling Green bldg
*See adv index at end of book*
•Campbell & Co., 13 Park Row
*§Cassidy & Co. Inc. (Gas Fixtures), 101 Park av
•†Central Foundry Co. (Cast Iron Pipe & Plumbers' Cast Iron Goods, etc.), 90 West
†Central Iron Works (Iron Fdrs.), 420 E 48th
†Century Mfg. Co. (Gas Stoves), 453 Canal
•Chatham Mach. & Tool Works, Inc., 128 Mott
•Chattillon Jno. & Sons (Hardware Specialties, Scales, etc.), 85 Cliff
**CHICAGO PNEUMATIC TOOL CO.** (Pneumatic Tools, Air Compressors, etc), 6 E 44th
*See adv index at end of book*
•Columbia Mills Inc. (Machine Shop for Own Use), 225 5th av
•Columbia Typewriter Mfg. Co. (Typewriters), 37 W 116th
Columbian Bronze Corp., 522-5th av
•Connelly Iron Sponge & Governor Co., 227 Fulton
Consolidated Rolling Mills & Foundries Co., Inc., 25 Broad
•Cook Thos. W. G. (Metal Goods Presses), 83 Walker
Co-Operative Engng. Co. (Brass, Aluminum, Grey & Malleable Iron Castings), 50 Church
§Cory Chas. & Son (Brass Finishers), 290 Hudson
•†Cottrell C. B. & Sons Co., 25 Madison sq. N. (See Westerly, R. I.)
•Coxe Traveling Grate Co., 11 B'way
•Craddock Edw. S., 226 E 144th
•†§Crane Wm. M. Co. (Stoves, Grey Iron Castings, etc.), 16 W 32d. Works: Jersey City, N. J.
§Crown Fdry Co., 173 Grand
•Dale Lighting Fixture Co. (Electric Fixtures, etc.), 107 W 13th
•Dalton Mfg. Corp. (Lathes), 1915 Park av
Davidson M. T. Co. (Steam Pumps), 154 Nassau
•Davis-Warner Arms Corp., 96 Chambers
•Davies & Thomas Co., 120 B'way
•Defiance Button Machine Co., 43 W 24th
*De Hart Mfg. Co., 418-28th
•De Laval Separator Co. (Creamery Machinery), 165 B'way
§De La Vergne Machine Co. (Ice Machines & Gas & Oil Engines, etc.), ft. E 138th
•†Dempsey Michael J., 548 W 55th
*Dewes A. Co., The (Presses, Dies, etc), 199 Lafayette
•†Dexter Folder Co. (Paper Folding Machines), 200 5th av
•†§Diamond Match Co., 111 B'way
Dobbins Core Drill Co., Inc., 147 W 42nd
•Donnelly, Blanthorn & Co., 526 W 28th
•Dorman Jno. H. (Tapping Attachments, etc.), 1 Bethune
•Dover Boiler Works, Sales Office, 40 Church (Steel Plate Work of All Kinds), Works: Dover, N. J.
*See adv index at end of book*
•Dowdall Chas. E. (Elevators), 152 W B'way
†Drummond M. J. & Co. (Cast Iron Pipe, etc.), 51 Chambers
•§Dubois F. N. & Co. (Plumbers' Brass Goods, etc.), 247 9th av
•Dudgeon Richard (Hydraulic Jacks, Tube Expanders, Presses & Steam Hammers), 24 Columbia
•Duff & Son, 175 Grand
•Dunne Michael F. (Engineer & Machinist), 223 West
Dunn J Edward Co., 9 Bethune
•Durbrow & Hearne Mfg. Co. (Duplicate Parts, Machinery, etc.), 12 Wooster
§Duriron Castings Co., 90 West
•Eastern Tool & Mach. Co. Inc., 452 W. 148th
*Edwards & Co. (Electric Appliances), Exterior & 140th
•Eichel Jas., 381 Broome
*Elterich Chas. Co., 180 Lafayette
*Erlandsen Julius (Matress Machinery, etc.), 172 Centre
•Ermold Edward Co., 656 Hudson
•Errington F. A. (Machine Tool Attachments), 39 Cortlandt
Faw J. H., Inc., 27 Warren
•†§Fiske J. W. Iron Works (Iron & Bronze Fdrs.), 111 Park pl
•Ford Thos. P. Co. (Steam Specialties), 407 Broome
•†§Fox Benj. Sons (Brass & Iron Fdrs. & Machinists), 513 W 34th
•†Fuchs & Lang Mfg. Co. (Lithographers' Supplies), 119 W 40th, Foundry, Rutherford, N. J.
*Furman & Fisher Corp., 32 Church
•Fyfe Alex. C. (Machinist), 652 W 44th
§Gallagher's James Sons (Brass Fdrs.), 87 Centre
•Gardam Wm. & Son, 114 Park pl
•Gartelmann Herman & Co., 246 Canal
•Garvin Machine Co. (Machine Tools, etc.), 147 Varick
•Gas Engine & Power Co. & Chas. L. Seabury & Co., Morris Heights
§General Machine Co., 417 E 156th
•Gitzendanner Muller Co. (Repairs), 15 Vandewater
•Glasgow Iron Works & Supply Co., 28 West
§Gorham Co., Architectural Bronze (Brass & Bronze Founders), 5th av & 36th
•†Gould Coupler Co. (Car Couplers & Malleable Iron Castings, etc.), 30 E 42d, Works: Depew, N. Y.
•§Gould-Mersereau Co. (Brass Fdrs. & Finishers), 52 W 38th
•Grabo E. O. Machine Works (Brass Working Machinery), 180 Centre
§Graf Frank H. Mfg. Co., 322 7th av. (fire place fixtures)
*†Graff Furnace Co. (Stoves, Furnaces, etc.), 61 Wooster
§Gramercy Brass & Iron Works (Iron & Brass Fdrs), 615 10th av
•Greenlie-Halliday Co. (Machinists), 499 Water
•Gries Bros. (Hardness Testing & Marking Machines), 450 E 148th
†Grinberg Bros. (Gas & Oil Stoves, etc.), 154 South
•†Griscom-Russell Co. (Coppersmiths, Grey Iron, Brass & Bronze Castings, Forgings, Machinery, etc.), 92 West. *See adv index at end of book*
•Guerin P. E. (Inc.) (Brass & Bronze Goods, etc.), 21 Jane
•Gullberg & Smith (Machinists), 187 Lafayette
•Haiss Geo. Mfg. Co. (Coal Handling Machinery), 141st & Rider av
•Hall Frank A. & Sons (Bedsteads, etc.), 120 Baxter
•Hall Switch & Signal Co. (R. R. Signals), 50 Church, Works: Garwood, N. J.
•Hammond Typewriter Co. (Typewriters), 537 E 69th
•Hankin John & Bro. (Heaters & Machinists), 550 W 25th
Harris Benj. Co., 229 Bowery
§Harper Thomas (Brass Fds.), 204 Lafayette
•Hatch F. E. Co. (Paper Box Machinery), 93 Crosby
•†§Henry-Bonnard Bronze Co. (Archl. & Ornamental Iron Wks. & Castings), 20 Exchange pl
•Hill's F. J. Sons, 6 Howard

NEW YORK—New York—continued

•Himoff Machine Co. (Tobacco Machinery), 50 Church
•Hindle Walter E., 149 Lafayette
†Hinkle Iron Co. (Iron Fdrs.), 534 W 56th
•†Hitchings & Co. (Greenhouse Heating Apparatus & Builders), 1170 Broadway, Works: Elizabeth, N.J.
•†§Hoe R. & Co. (Printing Presses), 504 Grand
•Holgan Bros., 9 Baxter
•Holub-Dusha Co. (Marble Hole Cutting Machinery, etc.), 1799 1st av
•Homan J. & E., 435 W Broadway
•Horton John F., 157th & 8th av
§Hudson Brass Foundry, 352 Pearl
•Hughes-Evans Co., Inc., 502 W 32nd
•Hvass Chas. & Co. (Machinist & Street Sweeping Machines), 511 E 18th
•†§Ingersoll-Rand Co. (Air Compressors, Rock Drills, Mining Machy & Pneumatic Tools, etc.), 11 B'way Works: Phillipsburg, N. J., Easton, Pa., Athens, Pa., & Painted Post, N. Y.
*See adv index at end of book*
•International Motor Co. (Motor Trucks), 262 W 64th
•†§Jackson Wm. H. Company, 2 W 47th
•§Janusch Mfg. Co. (Fire Place Finishings, Brass Fdry. & Finisher), 496 E 134th
•Jensen O. C., 1922 Park av
•†Johnson Isaac G. & Co. (Steel Castings & Specialties), Spuyten Duyvil
•Johnson & Crowley (Printers' Machinists), 182 Centre
•Jordan Bros. (Elec. Machinery), 74 Beekman
•Judelshon Oscar L., 36 E 8th
•Kar Engng. Co. Inc., 79 E 130th
•Katzenstein Leopold & Co. (Metallic Packing), 358 West
§Keil Francis & Son (Builders' Hardware), 401 E 163d
•†Kellogg M. W. Co. (Pipe Welding, Joints, Condensers, etc.), 90 West. Works: Jersey City N. J.
*See adv index at end of book*
•†§Kennedy Valve Mfg. Co., 81 John
•Kennelly Jno. J., 826 10th av
•Keyes Jas. A.,652 Hudson
•Kissinger's Jacob Sons, 75 Fulton
•§Klaber S. & Co. (Bronze Founders), 21 W 39th; Works: Carlstadt, N. J.
Klett H. G., 1883 Par kav
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th
*See adv index at end of book*
•Knickerbocker Machine Works (Drilling Machines, etc.), 161 Perry
•Koberlein Fred'k, 508 W 24th
Krajewski-Pesant Corp (Sugar Machinery, etc.), 50 Broad
Kramer Bros. Lamp Co., Inc., 585 B'way
•Kroll Bros., 97 Essex
•†Lalance & Grosjean Mfg. Co. (Grey Iron Castings, All Consumed by the Company), 299 Broadway. Works: Harrisburg, Pa.
•§Lehnert & Co., 334 E 23rd
Lehmann J. M. Co., 101 Varrick
•Levering & Garrigues Co. (Steel Structural Work), 552 W 23d
xLevett Walker M. Co. (Brass, Bronze & Composition Castings), 417 E 23d
•Levi, Benjamin, 355 W B'way
•Lewthwaite Geo. A. Co., 116 Walker
•Lewthwaite T. H. Machine Co. (Punching & Shearing Machinery), 411 E 31st
Loeber H. G. Co., 151 E 126th
•†Lord & Burnham Co. (Greenhouse Heating Apparatus & Builders, etc.), 30 E 42d. Works: Irvington, N. Y.
•Lowerator Co., 110 W 40th
•Loyd John Co. (Dies, etc.), 124 Baxter )
Lindner & Vradenburgh (Machinists), 239 Centre
McAllister Dry Dock & Shipyard Co. (Marine Repairs), 24 State
•McCabe Hanger Mfg. Co. (Door Hangers, Ball-Bearing Wheels, Dies, etc), 426-28 W 25th
•§McCoy J. B. & Son (Electric & Gas Fixtures), 114 W 30th
•†McDougall & Potter Co. (Steam Hammers, etc), 606 W 55th
•McKeirnan-Terry Drill Co. (Rock Drills, etc), 15 Park row; Works: Dover, N. J.
•McMillan & Werner (Pulleys, etc) 516 Pearl
•†§McNab & Harlin Mfg. Co. (Iron Brass Fdrs. & Finishers, Plumbing & Steam Specialties, etc.), 55 John. Works: Paterson, N. J.
§Magnolia Metal Co. (Anti-Friction Metal, etc), 113 Bank
*See adv index at end of book*
§Magnus Co., 111 Broadway
•Magor Car Corp. (Industrial Cars, etc.), 30 Church, New York. Works: Passaic, N. J.
•§Manhattan Brass Co., 332 E 28th
•Manhattan Repair & Supply Co., 108 Lawrence
•Mantle & Co., 1907 Park av
†Marcy Stove Repair Co. (Stove, Range & Heater Repairs), 74 Beekman. (Foundry: Perth Amboy, N. J.)
•†§Marine Mfg. & Supply Co. (Ship Machinery, etc)., 155 South
Markels Leonard, 165 William
*§Martin B. M. (Brass Foundry & Finisher), 473 W Broadway
•Mason & Moore, 30 E 4th
Mayer & Kornbau (Iron Railings, etc), 143 Av D
•Merit Machine Mfg. Corp., 465 Greenwich
•†Mietz August Corp. (Gas Engines, etc), 430 E 19th
•†Millers Falls Co. (Machinists' Fine Tools & Hardware Specialties, etc.), 28 Warren. Works: Millers Falls, Mass.
•Mitchell Co., 621 W 24th
•§Mitchell Vance Co. (Gas & Electric Fixtures), 507 W 24th
•Montanini & Grillo, 155 W Houston
Moss, Henry & Co., Inc., 192½ Beaver
§Mullin Daniel, 520 W 22d
§*Murray & Sorensen, 227 W 17th
Nannen Chas. B. & Son, 108 Lawrence
*Nason Mfg. Co. (Machinists), 71 Fulton
•§Nathan Mfg. Co. (Steam Specialties, Brass Founders, etc.), 85 Liberty. Works: 416 E 106th
•†National Enameling & Stamping Co. (Grey Iron Castings, all Consumed by the Company), 411 5th av
•National Lead Co., 111 B'way
•National Meter Co. (Water Meters, Gas Engines, etc.), 299 B'way
•Naylor & Co. (Power Transmitting Machinery), 120 B'way
•Nelson Tool Co., Inc. (Dies, Special Machinery, etc.), 782 E 142d
§Nemes B., 652 E 12th
•§Neptune Meter Co. (Water Meters), 50 E 42d. Works: Long Island City, N. Y.
•Nestor Mfg. Co. (Inc.) (Dies, Special Machinery, etc.), 40 W 13th
New Jersey Fdry. & Mach. Co., 90 West
•†New Jersey Zinc Co. (Iron Castings for the Use of the Company; also Machine Shop for Repairs), 160 Front
•†New York Air Brake Co. (Air Brakes & R. R. Appliances), 165 Broadway
§New York Brass Foundry Co. (Brass Fdrs), 403 Broome
†*New York Engine Co., 165 B'way
•New York Novelty Co., 621 B'way
†Nichols D. M. Iron Works, 2 Gouverneur pl
•Nielson Anton E., 78 Barclay
•†Niles-Bement-Pond Co. (Machine Tools, etc.), 111 B'way
•Noiseless Typewriter Co. (Typewriters), 253 B'way. See Middletown, Conn.
•O'Day P. H. & Son (Marine Works, etc.), 253 South
•Ogden J. Edward Co., 147 Cedar
Page Steel & Wire Co., Grand Central Terminal
•Pedersen Lubricator Co. (Tools & Special Machy.), 636 1st av
•†Pelton Water Wheel Co. (Water Wheels for Power, etc.), 90 West
†*PIERCE, BUTLER & PIERCE MFG. CORP. (Gas Ranges, Plumbers' Brass Goods & Iron & Brass Founders), 437 E 162d
•Pierson U. Bar Co. (Greenhouse Bldrs., etc.), 1 Madison av. Works: Jersey City, N. J.
•Pollard-Alling Mfg. Co. (Addressing & Mailing Machines), 312 E 23d
†§*Port Morris Casting Co., 138th & Locust av
•†Potter S. A. Tool & Mach. Works (Lathes), 79 E 130th
†§ **POWER SPECIALTY CO.**, 111 B'way
*See adv index at end of book*
•Pryibil P. Machine Co. (Wood Working Machy.), 520 W 41st
†Pyramid Grate Bar Co., 30 E 42d
•†Quintard Iron Works Co. (Iron Fdrs. & Machinists), 742 E 12th
•Rail Joint Co. (Rail Joints, etc.), 61 B'way. Works: Troy, N. Y.
•†Railway Steel Spring Co. (Railway Springs, Steel Tired Wheels, etc.), 30 Church
•Ramsaier Gustav Co. (Machinist), 263 William
•Ramsaier Wm. J., 95 Cliff
•†§Raritan Copper Wks, 42 B'way
•Rathbun & Bird Co. (Printers' & Bookbinders' Machinery, etc.), 8 Dutch
•Rathbun & Co., 8 Dutch
•Rees & Co. (Rider & Erickson Engines), 220 E 86th
•Regina Co. (Music Boxes, Vacuum Cleaners, etc.), 47 W 34th. Works: Rahway, N. J.
•Reid Alexander & Co. (Engineers & Machinists), 165 Charles
•†§Remington Typewriter Co. (Typewriters), 374 B'way. Works: Ilion, N. Y.
•Revolute Machine Co., 417 E 93d
•†§Richardson & Boynton Co. (Stoves, Furnaces, Ranges, etc.), 31 W 31st. Works: Dover, N. J.
•†Richmond Radiator Co. (Radiators & Heating Apparatus, Vacuum Cleaners, Enameled Iron Ware, etc.), 1480 B'way. Works: Norwich, Conn.; Uniontown, Pa.; Philadelphia, Pa.; Reading, Pa.
•†Rider-Ericsson Engine Co. (Hot Air Pumping Engines), 20 Murray
•†**ROBINS CONVEYING BELT CO.** (Conveying & Hoisting Machy.), 13 Ann
*See adv index at end of book*
•Rosenbaum Mfg. Co. (Gas Irons, etc.), 33 Bleecker
•†Royal Typewriter Co., 366 B'way. Works: Hartford, Conn.
•Ruf Herman P., 93 Crosby
•†Safety Car Heating & Lighting Co. (Car Heating & Lighting Apparatus), 2 Rector
•†Safety Insulated Wire & Cable Co. (Machine Shop for Own Use Only), 114 Liberty. Works: Bayonne, N. J.
Sands Alfred B. & Son Co., 20 Vesey•
Sanitation Corp., 50 Broad
Schaad Paul, 179 Pearl
•Schlosser Mfg. Co. (Marine & Gasoline Engines), 151 E 126th
•Schmidt Bros., 909 Faile
•Schmidt F. L. Co. (Envelope Machy.), 11th av & 21st
•Schock Gustav & Son, 514 W 57th
•Schoenfeldt Wm., 787 3rd av
•§Scholl Adam, 225 E 138th
•Scott Walter & Co. (Printing Machinery), 1457 B'way. See Plainfield, N. J.
•Scott & Williams (Knitting Machy.), 366 B'way
Sedgwick Machine Works, 150 W 15th
Senefelder Litho Stone Co., Inc., 32 Greene
Shapiro & Aronson (Gas Fixtures), 20 Warren
•Sharman Bros. (Jobbing), 256 Pearl
•Shaw Electric Crane Co., 119 W 40th. Works: Muskegon, Mich.
Sheppard C. E. Co., Spring & Hudson
•Sier-Bath Co. (Gears), 143 W 54th
•Simplex Automobile Co. (Auto Bldrs.) 755 5th av. Works: New Brunswick, N. J.
•†Singer Sewing Machine Co. (Sewing Machines & Special Machy.), 149 B'way. Works: Elizabeth, N. J.
Sorenson C. M. Co., Inc., 177 E 87th
•Sprague Electric Works (Electric Machinery, Hoists, etc.), 527 W 34th

*Staley Elec. Elev. & Mach. Co. (Electric Elevators, etc), 153 Greene
*†Standard Coupler Co. (Steel Platforms, Car Couplers, etc.), 30 Church. Works: Bridgeport, Conn.
*Standard Iron Works, 508 E 74th
Standard Player Hdwre Co., 512 W 36th
Standard Steam Specialty Co., 542 W B'way
*Star Seal Co. (Bottle Sealing Machines), 30 Church
*†Steinway & Sons (Piano Plates ,etc.) 109 E 14th. Works: Astoria, Borough of Queens, New York City
§Sterling Bronze Co. (Bronze Fdrs. & Gas & Electric Fixtures), 16 E 40th
*Stimmel Samuel, 508 W. B'way
Stolz Jos & Son, Inc., 841 E. 136th
Storage Battery Supply, 339 E 27th
Strauss Ferdinand, 7 W 22d
*Sullivan Jno. W. Co., 827 E 9th
*Sussman Harris, 232 E 111th
Taylor-Martin Corp., 233 Broadway
*Texas Company (Machine Shop for Own Use Only), 17 Battery pl. Works: Bayonne, N. J.
*See adv index at end of book*
*†Thatcher Furnace Co. (Hot Air Furnaces, Stoves. etc.), 135 W 35th. Works: Newark, N. J.
*Thayer & Co. (Gear Cases), 111 B'way
*Thompson Hervey (Builders' Iron Work & Machinist), 233 B'way
*Tiffany & Co. (Jewelers), 37th & Fifth av
*Tirrill Gas Machine Lighting Co., 103 Park av. Works, Newark, N. J.
*Trapp & Kuehnle (Printers' Machinists), 245 Pearl
*§Troy Laundry Machinery Co. (Laundry Machinery), 133 Centre
*†Turl Iron & Car Co. (Sugar Machy., etc.), 50 Broad. Works: Newburg, N. Y.
*Turner Machine Co., 75 Fulton
*†§Tuttle & Bailey Mfg. Co., 2 W 45th
*Uehling Instrument Co. (Pyrometers, Composimeters, etc.), 71 B'way
*Underwood Typewriter Co., 30 Vesey. Works, Hartford, Conn.
*†Union Stove Works (Stoves, Furnaces, etc.), 70 Beekman. Works, Peekskill, N. Y.
†U. S. Castings Co., 25 Elm
U. S. Cloth Cutting Machine Co., 414 W B'way
U. S. High Speed Steel & Tool Corp., 489 5th av
*United States Gauge Co. (Gauges, Valves, etc.), 67 Wall
§Van Kannel Revolving Door Co., 250 W 54th
*Visigraph Typewriter Co. (Typewriters), 37 W 116th
Wallace Addressing Machine Machy. Co., Inc., 116 W 14th
Wallace Tiernan Co., Inc., 349 B'way
Warren Products Co., 265 B'way, New York *See adv index at end of book*
†Washburn & Granger, 50 Church
†Waterman Hy. & Bro. (Gas & Oil Stoves), 195 Lewis
*Watkin M., 35 Pike
*§WATSON-STILLMAN CO. (Hydraulic Machinery, etc.), 38 Church. Works: Aldine, N. J.
*See adv index at end of book*
*Watson's Forge & Mach. Works, 553 W 35th
*Wendtland Wm. (Button Machinery), 51 Mercer
*Wenning Jno., 225 E 106th
*†§Western Electric Co., 463 West
*Westervelt J. W. & Co. (Special Machinery, etc), 198 William
*†Wheeler Condenser & Engineering Co. (Pumps, Condensers & Sugar Machinery), 149 B'way. Works Carteret, N. J.
*See adv index at end of book*
*†White Mfg. Co., 556 W 34th
Wilson & Manelin Co., 383 Concord av
*Winter Louis F., 418 W 27th
Wolfschlag Joseph A., 456 Pearl
Worthington Pump & Machinery Corp., 115 B'way
*See adv index at end of book*
Yaeger & Bolte, 26 Cliff
*Zeidler Wm. A. Co. (Laundry Machinery), 163d & Melrose av
§Zoppo Ben, 3002 Park av
*Zuhr Henry, 204 William

### Borough of Queens.

ASTORIA—*Astoria Machine Works, 54 Fulton av
†Brooklyn Fdry. Co., Orchard
*§Federal Brass & Bronze Co., Ridge
*Ward & Co., 54 Fulton av
COLLEGE POINT—Browning Victor R. & Co. *See ad index at end of book*
GLENDALE STATION—*V. & O. Press Co. (Presses, Dies, etc.), Dry Harbor rd
LONG ISLAND CITY—*Boyce Alex. R. ft. Front
*§Federal Brass & Bronze Co., Ridge
*§Franklin Brass Foundry (Brass Castings, etc.), 100 Young
*General Vehicle Co. (Electric Auto Trucks), Star av
Lauraine Magneto Co., Inc., 181-13th
*Long Island Machine & Marine Construction Co., ft. E. av
*†§McGee Jos. Iron & Brass Fdry. Co. (Iron & Brass Fdry.), 51 6th
*†§Neptune Meter Co., Crane (See York City City)
§Queens Borough Brass & Bronze Fdry, 184 B'way
*§Rhoades R. W. & Co.
*†§Russell Foundry & Machine Wks. (Iron & Brass), 51 6th
*†§Steinway & Sons (Piano Plates, etc.)
*Sweeney & Gray Co. (Engineers & Machinists), 81-85 6th
*See adv index at end of book*
*§Tiffany Studios, Corona
Walsh & Allen, 15 Wilbur av
*Wegner Machine Works (Stone Working Machinery), 63 Mills
MASPETH — (N. Y. City) — *MERRILL BROS. (Mfrs. of Turnbuckles, Drop Forgings, Vises, Presses, Drop Hammers, etc.), 3 Arnold
*See adv index at end of book*
*†§Richey, Browne & Donald (Iron Arch'l & Ornamental Work & Castings), Flushing av
RICHMOND HILL — §†Richmond Hill Fdry. Co.

### Borough of Richmond.

PORT RICHMOND — *Carlson & Russ, 2319 Richmond ter.
†*§Staten Island Shipbuilding Co., 1983 Richmond ter.
PRINCES BAY—*†§White S. S. Dental Mfg. Co.
WEST NEW BRIGHTON—*McAllister Dry Dock Co. (Marine Repairs) (See New York)
*†McWilliams Frank (Inc.), (Shipbuilders & Dry Dock), Burgher av

### (End of New York City)

NIAGARA FALLS—*Carborundum Co. (Carborundum Wheels & Aloxite Grinding)
*†Central Machine Co. (Printing Press Machinery)
*Chisholm-Scott Co. (Pea Hulling Machinery, etc.)
*†§Dobbie Foundry & Machine Co. Hoisting Engines, Cars. Cranes, Hoists & Iron & Brass Castings, etc). *See adv index at end of book*
§Frontier Brass Foundry
*McGarigle Machine Co. (Miniature Locomotives)
*Morrison J. L. Co. (Wire Stitching Machines, etc.)
†Niagara Falls Furnace Co.
†Niagara Foundry Co.
*Philpott & Leuppie Co. (Machinists)
Pittsburgh Metallurgical Co.
*Ralston W. & Co., Inc.
*†Ramapo Iron Works (Castings & General Track Equipment). Wks. also Hillburn, N. J.
*U. S. Light & Heat Corp. (Car Heating & Lighting Apparatus)
NORTH HARPERSFIELD — *†Dayton, Wm. H.
NORTH TONAWANDA—*†§American District Steam Co.
*†§Buffalo Steam Pump Co. (Steam Pumps, etc.)
*†§Herschell, Spillman & Co. (Merry-go-Rounds, etc. & Park Carnival Devices)
*†§Miller Foundry & Specialty Co. (Plumbers Brass Goods)
*†Niagara Radiator & Boiler Co. (Radiators & Cast Iron Heating Boilers)
*Peirce-Brown, Inc.
*§Stewart Heater Co. (Brass Foundry, Heaters, Pumps, etc))
NORWICH—*†§Ireland Machine & Foundry Co. *See adv index at end of book*
*Maydole David Hammer Co.
NUNDA—*Foote C. Mfg. Co. (Concrete Mixers & Gas Engines)
NYACK—*Ofeldt F. W. & Sons (Gas & Gasoline Engines, etc.)
OGDENSBURG—*†§Dunn Walter E. (Gasoline Engines)
†§Fell Jos. E.
†§Hackett Patrick Hardware Co. (Brass & Iron Founders)
§Newell Mfg. Co.
Ogdensburg Machine Co. (Machinists)
§Seeley John A. Mfg. Co.
*Silver H. & Son
OLEAN—Abbott Machine Co. (Saw Mill Machinery, etc.)
*†§Carley Heater Co. (Tannery Machinery, etc.)
*†Clark Bros. Co. (Heavy Duty Gas Engines, Saw Mill Machy., etc.)
*†§Luther Mfg. Co. (Punching & Shearing Machinery, etc.)
*Myrick Machine Co. (Gas Engines, etc.)
ONEIDA—†Cheney S. & Son
*Coles Tool & Machine Co.
†Kelly & Kennedy
*Mohawk Valley Mfg. Co. (Carriage & Auto Hardware, etc.)
*Oneida National Chuck Co. (Drill & Lathe Chucks)
*Westcott Chuck Co. (Drill & Lathe Chucks)
ONEONTA—*Gorham H. E. (Machinist)
*†§Titchener-Culver Iron Works
ORANGEBURG—*Fibre Conduit Co. (Air Tools, etc.)
ORISKANY—†Oriskany Malleable Iron Co., (Ltd.) (Malleable Iron Castings)
ORWELL—*†§Olmstead A. E.
OSSINING—*Kipp Engine Works
OSWEGO—*†§Ames Iron Works (Engines & Boilers)
*Baker Benjamin (Machinist)
*§Hessler Foundry & Mfg. Co. (Iron Castings)
*†§Kingsford Foundry & Machine Works (Steam Engines, etc.)
*Kitts Mfg. Co. (Steam Specialties, etc.)
Kitts Steam Specialty Co.
†§Oil Well Supply Co. (See Pittsburg, Pa.)
*Oswego Tool Co. (Dies, Tools, etc.)
*Railway Steel Spring Co. (See New York City)
†§Sawyer Brass & Iron Fdry.
OWEGO—*Champion Wagon Co. (Grain Drills, etc.)
*Stevens Norton A. (Machinist)
FAINTED POST—*†§Ingersoll-Rand Co. (See New York)
*Townsend Fred J. (Wire Stretchers)
*Warns Wm. H.
PALMYRA—*†Peerless Printing Press Co.
PATCHOGUE—*Roe Justus & Sons (Rowler Awning Fixtures, Tape Measures, etc.)
PEARL RIVER — *Braunsdorf John H. (Printing Presses)
PEEKSKILL—†§Fox J. M. Iron Wks.
†Mohegan Stove Co.
*†§Naylor Bros.
†§Southard - Robertson Co. (Stoves, Ranges, Furnaces, etc.)
†Union Stove Works (Stoves, Furnaces, etc.) (See New York City)
PENN YAN—†§Commercial Iron Works Co.
PHELPS—*†Crown Mfg. Co. (Grain Drills, etc.)
PHILMONT—*American Raveller Co.
PHOENIX—*Scusa Lino
PIFFARD—*Shattuck T. N.
PLATTSBURG—*†§Lozier Motor Co.
*†§Plattsburg Foundry & Machine Co.
*Williams Mfg. Co. Ltd. (Typewriters)
PORT CHESTER — *†Abendroth Bros. (Cast Iron Pipe, Stoves, etc.

NEW YORK—Port Chester—continued.
†Mills Wm. A. Brass Co. (Brass, Bronze & Aluminum Castings)
*Port Chester Machine Works
*Russell, Burdsall & Ward Bolt & Nut Co. (Bolts, Nuts, etc.)
†Taylor J. A.
PORT JERVIS—*Jennings & Griffin Mfg. Co. (Saws)
†Swinton & Co. (Fdrs. & Hardware)
POTSDAM—Leete Chas. H.
POUGHKEEPSIE—*†De Laval Separator Co. (Dairy Implements, etc.)
*†§Dutchess Foundry Co.
*Hart Frederick & Co. (Build and Develop All Kinds of Inventions and Special Machinery), 837 Main
†Hudson River Foundry Co.
Johnson C. E., Inc.
*†Lane Bros. Co. (Door Hangers & Hardware Specialties)
*†Mitchell Co., Inc.
*†§Moline Plow Co. (Adriance Platt branch)
*†Poughkeepsie Foundry & Machine Co.
*Schatz Mfg. Co. (Punching & Shearing Machinery, etc.)
*Sedgwick Machine Works
*Standard Machine Key Mfg. Co.
*Tiffany Machine Shop
PRINCE BAY—†§*White Dental Mfg. Co. S. S.
PULASKI—†§*Olmstead A. E. & Sons
RAMAPO—*†Ramapo Foundry & Wheel Works (Car Wheels & Castings of All Descriptions)
RANDOLPH—*†§Pike F. H. (Foundry & Machinist)
RAVENA—*†Ravena Iron Co.
RICHFORD—*Hilts Wrench & Mfg. Co. (Car Movers, Pipe Wrenches, etc)
RIPLEY—*Huntington Alfred
ROCHESTER—*†§American Laundry Machinery Co. (Laundry Machinery). (See Cincinnati, O.)
*†American Woodworking Machinery Co. (Woodworking Machinery)
*†Anstice Josiah & Co. (Hardware Specialties), 238 N Water
*Ashley Machine Works
*Atkins W. C. Mach. Co., 1 Gleason Place
*§Atkinson Co. (Plumbers' Brass Goods & Brass Compo Castings)
*Atlantic Stamping Co. (Tinware Mfrs.), 156-180 Ames
*Auburn Ball Bearing Co. (Ball Bearings, etc.), 26 Elizabeth
*§Bausch & Lomb Optical Co. (Scientific Instruments, etc.)
Baxendale, Whittlesey & Cummings
*Beers Bros.
*Booth Bros. Co. (Shoe Machinery)
*Bourne Jno. R. (Dies, etc.)
*Boutell Mfg. Co. (Apple Evaporating Machinery)
*Bridgeford Machine Tool Works (Axle Turning & Engine Lathes), 420 Blossom rd.
*Clark Cadle Harmon Corp. (Washing Machines
§*Clark Hdwe. Mfg. Co.
*Cochrane-Bly Co. (Cold Saw Cutting-off Machines, etc.)
†Co-Operative Foundry Co. (Stoves, etc.)
*†Connell & Dengler Machine Co. (Woodworking Machinery)
†Crescent Foundry Co.
*Davis Machine Tool Co. (Machine Tools, etc.)
*Defiance Checkwriter Corp. (Check Protectors)
*Economy Gas Machine Co. (Gas Engines)
*Eisler Mfg. Co. (Special Machinery)
*†Enterprise Foundry Co. (Hot Air Furnaces & Iron & Composition Castings)
*Erdle Perforating Co. (Machine Tools, Perforated Metals, etc.), 181 York
*See adv index at end of book*
†Erie Foundry Co. (Iron Fdrs.)
§Flower City Fdry. Co.
§*Forbes Brass Co.
*Funck Philip Corp.
†Galusha Stove Co. (Stoves, Ranges & Furnaces)
*§General Railway Signal Co. (Railway Signals, etc.)
*Genesee Plating Works
*†Gleason Works (Iron Fdrs., Gears, Gear Cutters, etc.), 2000 University av *See adv index at end of book*
*Goette Rudolph F. A.
*Heughes F. L. & Co. (Builders' Iron Work & Castings)
*Huther Bros. Saw Mfg. Co. (Saws, Cutters, etc.)
*See adv index at end of book*
Ingle Machine Co., 371 St. Paul
*†Judson Governor Co. (Steam Engine Governors)
*Judson Pin Co.
*Klip-Klip Co. (Nail Clippers)
*Knowlton M. D. Co. (Paper Box Machinery), 26 Elizabeth
*Kohlmetz Chas. E.
*Kohlmetz H. L.
*Long Adam A. Machine Wks. (Special Machinery, Tools & Dies)
*Luitwieler Pumping Engine Co. (Pumping Engines)
*Mack & Co. (Edge Tools, Machine Knives)
*Morgan Machine Co. (Boxmakers' Machinery, etc.)
*Mutschler A. & H. G. (Elevator Motors, etc.), 77 N Water
*§National Brass Mfg. Co. (Brass Cocks, Valves, Trolley Wheels & Harps, etc.)
*†§National Car Wheel Co. (See Pittsburg, Pa.)
North West Foundries, Inc.
*Otis Machine Works (Special Machinery, Tools & Dies), 191 Mill
*Parry Samuel R. (Paper Box Machinery)
*Patric Milan W. (Machinists, Punches, Dies, etc.)
†Progressive Fdry. Co.
*†Pullman Mfg. Co. (Hardware Specialties, etc.)
*Ricker Mfg. Co.
*Ritter Dental Mfg. Co. (Dental Equipment, etc.)
*Rochester Barrel Machine Works
§Rochester Bronze & Aluminum Co., Inc.
*Rochester Machine Screw Co.
*Rochester Motors Co. (Engines, Motors, etc.)
*Ryede Specialty Works (Vending Machines & Metal Specialties)
*§Sargent & Greenleaf, Inc. (Bank & Safe Locks, etc.)
*See adv index at end of book*
*Selden Truck Corp.
*†§Sill Stove Works (Stoves, Ranges & Furnaces)
*Sohn Daniel Machine Co.
*Stein Wm. P. & Co. (Surface Grinders, dies, etc.)
*†Symington T. H. Co. (R. R. Specialties, etc.)
*Taylor Instrument Co.'s (Barometers, Hydrometers, etc.)
*Taylor-Shantz Co. (Special Machy)
*Todd Protectorgraph Co. (Check Protectors), 1050 University av
Vacuum Oil Co. (Machine Shop for Their Own Use)
*Weidner C. A. Co.
*§Werner John & Sons (Confectionery Machinery)
*West Tire Setter Co. (Tire Setters, Banding Presses, etc.)
*†Willsea Works (Special Machinery)
*Wilson W. A. Machine Co. (Machine Tools, etc.), 217 N Water
*§Wray Henry & Son (Brass Founders)
*Yawman & Erbe Mfg. Co. (Metal Furniture)
Zunner Machine Co.
ROME—*†Adams S. & Son
*§Doyle W. J. (Light Machinery, Brass & Aluminum Castings, etc.)
*Harris C. S. Co. (Power Hoisting & Carrying Machines)
*§Noonan A. S. Tool and Machine Works (Auto & Bicycle Tools, etc)
§Rome Mfg. Co.
*†Rome Metallic Bedstead Co.
*†Rome-Turney Radiator Co. (Radiators, etc.)
ST. JOHNSVILLE—*Clark Machine Co. (Grain Threshers, etc.)
SALAMANCA—*†§Salamanca Engine-Iron Co. (Engines & Grey Iron Cast'gs)
SARATOGA SPRINGS—Baker Mfg. Corp. (Paper & Pulp Mill Machinery, Grey Iron Castings, etc.)
SAUGERTIES—†§*Saugerties Fdry. & Mach. Co
SCHENECTADY—*†§American Locomotive Co. (Locomotives). (See New York City)
†§*Electric City Fdry. Co.
*†§GENERAL ELECTRIC CO. (Electric Generators & Machinery).
*See adv index at end of book*
*Kehoe C. C.
S.-R. Mfg. Co.
*†§Westinghouse Co. (Agrl. Implements, Threshers, Stackers, etc.)
SENECA FALLS—*Davis E. C. & Co. (Plumbing Specialties)
*†§Goulds Mfg. Co. (Pumps, etc.), 71 W Fall *See adv index at end of book*
§Knight H. W. & Son
*†Seneca Falls Mfg. Co. (Lathes & Attachments)
SHORTSVILLE — *Papec Machine Co. (Feed Cutters, Cream Separators, etc.)
*Star Seeder Co. (Agrl. Implts.)
SIDNEY—*Lakin Bruce (Machinist)
SILVER CREEK—Columbia Postal Supply Co.
*†§Howes S. Co. (Grain, Coffee and Rice Cleaning Machinery, etc.)
SODUS POINT—*†Seely D. W.
SOLVAY—*Pass & Seymour (Electric Specialties)
SPRINGVILLE—Smith & Smith
STOCKPORT—*Philip Rossman
SYRACUSE—*Ames Iron Works (Engines etc.)
*Barber Bros. (Steam & Gasoline Engines)
*†Bradley C. C. & Son (Power Hammers, etc.)
*See adv index at end of book*
*Brennan Motor Mfg. Co. (Gasoline Engines)
*Brown-Lipe-Chapin Co. (Auto Gears, etc.)
*Brown-Lipe Gear Co. (Auto Gears, etc.)
Burlingame Mfg. Co.
*§Caldwell E. R. & Son Brass Co.
Caldwell & Ward Brass Co.
*Central City Bolt Co. (Door Hangers, Bolts, Nuts, etc.)
*Chase Motor Truck Co. (Auto Truck Builders)
*Continental Can Co.
*Crouse-Hinds Co. (Electrical Specialties)
*Doyle & Devereaux, Industrial Bldg.
*†DUNNING & BOSCHERT PRESS CO., INC. (Presses, etc.), 379 W Water. *See ad index at end of book*
*§Edwards O. M. Co., Inc. (Hardware Specialties, etc.)
†Empire Foundry Co.
*†Engelberg Huller Co. (Rice & Coffee Machinery, Grey Iron Castings)
§Franklin Die-Casting Corp. (Special Alloy Castings), 101 Magnolia
*†§Frazer & Jones Co. (Harness, Hardware & Malleable Iron Castings)
*Gale O. Milton (Tools, Special Machinery, Gears, etc.)
†§Globe Malleable Iron & Steel Co. (Malleable Iron & Vanadis Annealed Steel Castings), 101 Greenway av
*Houser Elevator Co. (Elevators)
*Kane & Roach (Carriage Builders' Machinery)
†Landers W. H. Co. (Stoves, Furnaces, Ranges, etc.)
*Leighton H. J. (Marine Gasoline Engines)
*Lipe W. C. (Dies, Tools & Special Machinery)
*Llewellyn & Doyle, Pearl & Hickory
§McVey Hugh (Brass Founders)
*§Oberdorfer M. L. Brass Co. (Brass Founders), 810 E Water
*Onondaga Brass Co. (Brass, Bronze & Aluminum Castings)
*Pneumelectric Machine Co. (Coal Mining Machinery, etc.)
*Porter-Cable Machine Co. (Lathes, etc.)
*Railway Roller Bearing Co. (Roller Bearing Journal Boxes, etc.)
*See adv index at end of book*
†Reddin Iron Works (Iron Founders)
§Senk J & W (Brass Founders)
*Shaw Coupling Co. (Power Transmission Appliances, etc.)
*Smith L. C. & Bros. Typewriter Co. (Typewriters)
*†Smith & Caffrey Co. (Grey Iron Castings & Ornamental Iron Wk.)
§*Standard Brass & Aluminum Fdry. Co., Inc.

*†§Stearns E. C. & Co. (Grey Iron Castings, Hardware Specialties, etc.), 450 Oneida
*†Straight Line Engine Co. (Grey Iron Castings, Loam or Green Sand to 20,000 lbs.)
*Syracuse Bridge Co.
*†Syracuse Chilled Plow Co. (Plows, Harrows, Cultivators, etc.)
*§Syracuse Faucet & Valve Co. (Brass Founders, Finishers & Plumbers' Brass Goods), Eastwood, N. Y.
*†Syracuse Malleable Iron Works (Refined Air Furnace & Iron Castings)
*Syracuse Safe Co. (Safes, etc.)
*Thompkins Bros. Co. (Textile Machinery)
*U. S. Hofmann Co. (Cloth Pressing Machines)
*§Walker Bros. Co. (Dies, Tools, Special Machinery, etc.)
Weekes-Hoffman Co.
*Westinghouse Electric & Mfg. Co., University (See Pittsburgh, Pa.)
*Wonder Mfg. Co. (Gasoline Engines)
THERESA—*†§Wakefield Jas. W.
TICONDEROGA—*†§Ticonderoga Machine Works (Paper Mill & Mining Machy.)
TONAWANDA—*American Engine & Boiler Works (Engines, Boilers, etc.)
*†§Gillie Machine Co. (General Repair Work, Contractors, Factory & Marine)
TROY—*Adams Laundry Machinery Co. (Laundry Machinery)
*American Blower Co. (See Detroit, Mich.)
*†Bascom & Co. (Patterns & Models for Stoves, Heaters & Machy)
*Brown E. H. Mfg. Co.
†Burdett, Smith & Co. (Stoves)
*†Carr J. B. Co. (Chains, etc.)
*Covert Mfg. Co. (Hardware Specialties)
*†Fuller & Warren Co. (Stoves & Heating Apparatus)
†Gold Coin Stove Co. (Stoves)
*Gormley Robt. W. & Co. (Textile Machinery, etc.)
*§Gurley W. & L. E. (Surveying Instruments, etc.)
*Hammett H. G. (Railroad Specialties, etc.)
*Hislop James W. (Iron Founders)
*Interstate Machinery Co. (Paper Box & Laundry Machinery)
*Knowlson & Kelley Co.
*†Ludlow Valve Mfg. Co. (Iron & Brass Founders, Valves, Fire Hydrants & Water Works Supplies), ft. of Adams
*†Mahony Mfg. Co. (Iron Founders. Builders' Iron Work, etc.)
§Meneely Bell Co. (Bell Founders etc.)
*Micrometer Balance Scale Co.
*Morey Alex. W. (Machinist)
†Neemes Bros. (Machinery Castings, Shaking Grates, etc.)
*†Phillips & Clark Stove Co. (Stoves). (See Geneva, N. Y.)
*Rail Joint Co. (See New York)
*†§Rensselaer Valve Co. (For Own Use Only) (Iron Founders, Valves, Fire Hydrants & Waterworks Supplies)
†*Reynolds-Chalon Fdry. Co.
†Reynolds Geo. W. H. Fdry. Co. (Grey Iron Fdrs., etc.)
*§Ross Valve Mfg. Co. (Valves, Fire Hydrants) 9 Oakwood av.
*†Taylor Electric Truck Co. (Electric Car Trucks, etc.)
*Tolhurst Mach. Works (Hydro Extractors, Laundry Machinery, etc.)
*Troy File Works (Files, etc.)
*Troy Laundry Machy. Co.
†Troy Malleable Iron Works of Eastern Malleable Iron Co. (All Kinds of Malleable Iron Castings)
Vedder Pattern Wks. (For Stoves & Heaters)
*†West Side Foundry Co. (Grey Iron Castings, etc.)
*†West Side Structural Co. (Structural & Ornamental Iron Work, etc.)
§Wheeler Bros. Brass Foundry (Brass & Bronze Castings)
UTICA—§Blasier-Sanborn Mfg. Co.
*Divine Bros. Co. (Buffing & Polishing Wheels, etc.)
*†Eureka Mower Co. (Agrl. Implts., etc.), 16 Hickory
*Firsching Jos. (Textile Machinery)
*Fisher Knitting Machine Co. (Textile Machinery)
*†§Foster Bros. Mfg. Co. (Iron Beds, etc.)
*†Giblin & Co. (Stoves, Furnaces, etc)
*†Hart & Crouse Co. (Heating Apparatus, Hot Air Furnaces, etc.)
Hasselbart-Whiton Co.
Herron Mfg. Wks. Div. of the Bossick Co. (Bridgeport, Conn.), Jig & Fixtures, Dies, Gorges & Special Machinery
*†International Heater Co. (Heating Apparatus, etc.)
§Iroquois Fdrs. Inc., 474 Genesee
§Merriam F. M.
†Munson E. G.
*†Munson Mill Machinery Co. (Flour Corn & Feed Mill)
*Northern Tool Co. (Valves, Gauges, etc.)
*Savage Arms Corp. (Fire Arms, etc.)
*Schrier Walter (Machinists & Elevators)
*Standard Brass Mfg. Co. (Plumbers' Brass Goods)
*Steber Machine Co. (Knitting Machinery)
§Utica Brass Works (Brass Founders)
*Utica Drop Forge & Tool Co. (Forgings, Hardware, Pliers & Nippers)
*Utica Fire Alarm Telegraph Co.
*†Utica Heater Co. (Heaters & Furnaces)
*†Utica Steam Engine & Boiler Works (Engines, Boilers & Machinery)
§Utica Valve & Fixture Co.
VERNON—*†Pohl Geo. D. Mfg. Co. (Gasoline Engines, etc.)
VOORHEESVILLE — †Bloomingdale F (Iron Fdry.)
*†§Phoenix Foundry Co.
WALTON—Walton Foundry Co.
WARSAW—*†§Warsaw Elevator Co.
*†§Warsaw-Wilkinson Co. (Ensilage Cutters, etc.)
WATERFORD — *†§Eddy Valve Co (Valves, Fire Hydrants, etc.)
*Miller H. C. (Collar & Cuff Machines)
*Parker A. A. (Pumps, etc.)
WATERTOWN—*Babcock H. H. Co. (Auto Cars)
*†§Bagley & Sewall Co. (Iron Fdrs & Paper & Pulp Machy.)
§Bragger J. J.
*†Harmon C. A. & Son
*†Lance Geo. A.
*Lawrence & Hill
*†Massey Machine Co. (Steam Engine & Turbine Governors)
*†§New York Air Brake Co. (Air Brakes & R. R. Appliances) (See New York City)
*Stebbins Eng. & Mfg. Co. (Mill Machinery)
§Timlick E. W.
*Watertown Specialty Co. (Cocks, Valves, etc.)
*§Wise J. B. Inc. (Plumbers' Goods, etc.)
WATERVILLE—*Daniels Samuel A.
*†Waterville Fdry. & Mfg. Co. (Paint Grinding & Mixing Machy.)
WATERVLIET—Adirondack Steel Foundry Co.
†Covert Mfg. Co. (See Troy, N Y)
§Meneely Geo. R. & Son (Car Bearings)
*§Meneely & Co. (Bell Fdrs.)
†*West Side Fdry. Co.
WATKINS—†§*Frost C. S. & C. H.
WAYLAND—†§*Kiel J. F.
WEBSTER—*Jennings E. M.
WEEDSPORT—*Burritt O. W. & Bro (Machine Tools, etc.)
WELLSVILLE—*†§Clark & Norton Mfg Co. (Engines, etc.)
*Kerr Turbine Co. (Steam Turbines)
*†§McEwen Bros. (Inc.)
WEST COXSACKIE—†Walther Bros.
WESTMORELAND—†Westmoreland Malleable Iron Co. (Ltd.)
WHITE PLAINS—Baker's Sons J. & Perkins Co., Inc. (Bakers', Rubber, Macaroni Kneading & Mixing Machines, etc.)
WHITESBORO—†*Utica Heater Co.
WILLIAMSON—*Fuller & Cooper (Spraying Machines, etc.)
YONKERS—*†§Allen David E. (Iron Fdry.)
*Danner Adam Co. (Machinist)
*Morris Thos. Jr. (Est. of) (Machinist)
*†§Otis Elevator Co. (See New York City)
*†Saunders' D. Sons (Inc.) (Pipe Cutting & Threading Machines)
*Skinner & Connolly (Machinists)
YOUNGSTOWN—*†Ripson Wm. & Son (Iron Fdrs. & Plows, Cultivators, etc.)

## NORTH CAROLINA.

ASHBORO—*†Ashboro Wheelbarrow Co.
ASHEVILLE—*†§Asheville Supply & Fdry Co.
†§*Carolina Machy. Co.
AURORA—*Cherry Implement Co. (Ag'l Implements)
BURLINGTON—†§*Sykes Bros.
CARDENAS—*Wake Machine Works
CHARLOTTE—*†Alexander & Garsed
Charlotte Pipe & Foundry Co. (Cast Iron Pipe, etc.)
*†Cole Mfg. Co. (Seed Planters)
†§Hackett J. Fdry. Co.
*Jarrell W. G. Machine Co.
*†§Liddell Co. (Cotton Ginning Machines, Steam Engines, etc.)
*§Mecklenburg Iron Works (Saw Mill & Mining Machinery, etc.)
*†§Moffatt Machinery Mfg. Co. (Pumps, Elevators, etc.)
*†§Park Mfg. Co. (Belt & Power Elevators, etc)
*Whitted T. B.
CONCORD—*†§Concord Foundry & Machine Works Co.
DUNN—*†§McKay J. A. Mfg. Co. (Machinists & Iron & Brass Castings of All Kinds)
DURHAM—*†§Durham Fdry. & Machine Works (Brass Bronze & Grey Iron Castings)
*†§Durham Iron Works Co.
*†§North Side Foundry Co.
ELIZABETH CITY—†§Elizabeth City Iron Works & Supply Co. (Mill & Boat Supplies & Cultivators)
FAYETTEVILLE — *†§Carolina Machine Co.
†Wards Plow Wks.
GASTONIA—†§*Crocker Mach. & Fdry. Co.
GOLDSBORO—*†§Dewey Bros. (Iron Fdrs, etc.)
*†Wayne Agricultural Works (Plows, etc.)
GREENSBORO—*Clymer L. M.
*†Cook-Lewis Foundry Co.
*†Glascock Stove & Mfg. Co. (Stoves & Hollow Ware, Plow Castings, Special Machinery, etc.)
*Newman Machine Co. (Woodworking Machinery, etc.)
*†§Sergeant Mfg. Co. (Fdrs. & Machinists & Ag'l Implts.)
*Wysong & Miles Co. (Woodworking Machines)
GREENVILLE—*Humber R. L. Machine Works
HICKORY — *†§Latta-Martin Pump Co. (Pneumatic Pumps)
*†Piedmont Fdry. & Machine Works
HIGHPOINT—†High Point Metallic Bed Co
HILDERBRAN—†§*Baily Mach. Co.
KINSTON—Kinston Iron & Mantel Wks.
LAURINBURG—*Blue Jno. (Machinist)
LEXINGTON—*†§Thompson's C. M. Sons
NEWBERN—*†§Craven Foundry & Machinery Co.
†§Gaskins Fdry. Co.
*†§Newbern Iron Works & Supply Co.
NORTH WILKESBORO — †§*Lineberry Fdry. & Mach. Co.
PINETOWN—*†§Parker Surry (Hoisting Engines, Logging Machines)
RALEIGH—*†§Raleigh Iron Works Co
RUTH—†§*Ruth Mfg. Co.
SALISBURY—†*N. C. Steel & Iron Co.
SANFORD—*†§Moffitt Iron Works Co. (Engines, etc)
SHELBY—*†§Shelby Foundry Co.
STATESVILLE—*†§Steele J. C. & Sons (Brick Machy., etc.)
WAKE FOREST—*†Wake Forest Foundry Co. (Plows, Castings, etc.)
WANANISH—*Council Tool Co. (Tools, etc.)
WASHINGTON—†§*Beaufort County Iron Wks., Inc.

NORTH CAROLINA—continued.

WILMINGTON—Broadfoot Iron Works, Inc. (Marine Casting & Vertical Boilers)
*†§Wilmington Iron Works (Machinists, Founders, Engineers, Shipwright Boilermakers, Blacksmiths, Electric & Acetylene Welding)
*See adv index at end of book*

WINSTON SALEM—*†§Briggs-Schaffner & Co.
*†§Carolina Foundry & Machine Co.
*†Forsyth Iron Bed Co.
†Reynolds R. J. Tobacco Co.
*†§Salem Iron Works (Engines, Saw Mills, Coffee & Rice Plantation Machinery, etc.)
*†§Vance J. A. & Co. (Fdrs. & Machinists, Woodworking Machinery, etc.)

## NORTH DAKOTA.

CANDO—*†Cando Implement Co. (Agrl. Implements)

FARGO—*Fargo Bridge & Iron Co.
*†§Fargo Foundry Co. (Gasoline Engines, Light & Heavy Castings)

GRAND FORKS—*†§Grand Forks Foundry & Machine Co.

## OHIO.

ADDYSTON—*†U. S. Cast Iron Pipe & Fdry. Co. (See New York City)

AKRON—*†Adamson Machine Co. (Rubber Machinery, etc.)
*See adv index at end of book*
*Akron Cultivator Co. (Agrl. Implts., Cultivators, etc.)
*Akron Gear & Engineering Co. (Cut Gears, etc.), 55 E South
*Akron Rubber Mold & Machine Co. (Rubber Molds, etc.)
*Akron-Selle Co. (Wagon Gears)
Akron Standard Mold & Mach. Co.
†Akron Steel Casting Co.
*B. & M. Machine Co.
*Bridgewater Machine Co.
*Budd H. T. (Dies, etc.)
*Burger Iron Co. (Bldrs. Steel Work)
*Burt Mfg. Co. The (Oil Filters, etc.)
*See adv index at end of book*
§City Brass Foundry
†Diamond Fdry. Co.
*Die Sinking & Machine Co.
East Akron Mach. Co.
*Enterprise Mfg. Co. (Metal Specialties & Fishing Tackle, etc.)
*Garl Electric Co. (Annunciators & Telephones & Apparatus)
*Geib E. L. Machine Co.
†Imperial Electric Co. (Dynamos, Generators, etc.)
†Jahant Fdry. Heating Co.
†Knapp John & Sons Fdry. Co.
*Kuhlke M. D. (Steam Engine Governors)
*Nitz & Darkow
*Ornamental Iron Works Co.
*South End Machine Co.
*†Star Drilling Machine Co. (Well Drilling Machinery, etc.)
†Summit Foundry Co.
*†§Taplin-Rice-Clerkin Co. (Stoves, Furnaces, Clay Working Machinery, etc.)
*Wadsworth Core Machine & Equipment Co., 10 W Buchtel
*§Wellman Bronze Co
*†§Wellman-Seaver-Morgan Co.
*See adv index at end of book*
*†WILLIAMS FOUNDRY & MACHINE CO. (Hydraulic Presses, Vulcanizers, Tire Factory Equipment, etc.)
*See adv index at end of book*
*†Wise Furnace Co. (Hot Air Furnaces, etc.)
†Wybel Stove & Chandelier Co. (Gas Stoves)
*†XXth Century Heating & Vent. Co. (Steam Heaters & Hot Air Furnaces)

ALLIANCE—§Alliance Brass & Bronze Co. (Brass Founders)
*Alliance Machine Co. (Cranes, Riveters, Punches, Steam Hammers, Presses, Shears & Rolling Mill Machy.)
*†American Steel Foundries Co (Open Hearth Castings) (See Chicago, Ill.)
*Bottomley Machine Co. (Jacks, etc.)
*Buckeye Jack Mfg. Co. (Lifting Jacks, etc.)
Machine Steel Castings Co.
*†§MORGAN ENGINEERING CO. (Cranes, Steam Hammers & Hydraulic & Rolling Mill Machy.)
*See adv index at end of book*
*Reeves Bros. Co. The, (Boilers, Tanks, etc.)
*See adv index at end of book*
*Woods Engineering Co. (Tool Grinders, etc.)

AMHERST—†§Rice Tracy J.

ARCANUM—Bluebaugh W. F. (Jobbing)
*Quick-Change Chuck Mfg. Co.

ASHLAND—*Elite Mfg. Co. (Concrete Mixers, Auto Jacks, etc.)
*Hunter Jas. S.
*Myers F. E. & Bro. (Pumps & Agrl. Imps, etc.), 900 Fourth
*See adv index at end of book*
*Safety Door Hanger Co. (Door Hangers)

ASHTABULA—*†American Fork & Hoe Co. (See Cleveland, O.)
*†§Barber Mfg. Co. (Furnaces, Hdw. & Plumbers' Specialties & Iron Fdrs., etc.)
*†McKinnon Iron Works Co.
*†§Phoenix Foundry & Machine Co.

ATHENS—*†§Athens Foundry & Machine Co.
*McBee Binder Co. (Loose Leaf Binders)

AVERY—*Hoover Mfg. Co. (Potato Diggers, etc.)

BARBERTON—*†§Babcock & Wilcox Co. (Water Tube Boilers & Castings). (See New York City)
*†§Diamond Match Co.
*†§Pittsburgh Valve & Fittings Co. (Valves, Pipe Fittings & Iron & Brass Castings)

BARNESVILLE—*Hall Geo. D.
*†§Watt Mining Car Wheel Co. (Mine Cars & Wheels, etc.)

BATAVIA—†Batavia Foundry Co.
*Carroll Jamieson Machine Tool Co. (Engine Lathes)

BEDFORD—*†Best Foundry Co.
*§Holmes Wm. G. Bronze Co. (Bronze Work)

BELLAIRE—†Bellaire Stove Co. (Stoves)
*†§Carnegie Steel Co. (Office Pittsburgh, Pa.)
†§Dorer C. L. Fdry. Co.

BELLEFONTAINE — *†Bellefontaine Bridge & Steel Co.
*Bowman Paul G.
*†Hennesey D. R.
†Humphrey Pipe & Foundry Co.

BELLEVUE—*Jeschke Edw. (Ditching Machines)
*†Ohio Cultivator Co. (Agricultural Implements, etc.)

BEREA—*†Dunham Co. (Road Rollers, etc.)

BIG PRAIRIE—*†§Monitor Sad Iron Co.

BLUFFTON—*Arras Cream Separator Co. (Cream Separators)
*Diller Mfg. Co. (Gas Engines, etc.)

BOWLING GREEN—*Bowling Green Motor Truck Co. (Motor Trucks)
*†Thornburgh Mfg. Co. (Garden Tools, Cultivators, Light & Heavy Grey Iron Castings, etc.)
*†§Universal Machine Co. (Gasoline Motors, Brass & Iron Castings, etc)

BREMEN—*Bremen Mfg. Co. (Pumping Engines, etc.)

BRIDGEPORT—*Hill Thomas

BRYAN—*†Bryan Plow Co. (Plows, Harrows, etc.)

BUCYRUS—*†§American Clay Machinery Co. (Clay Working Machinery & Castings), S Walnut
*See adv index at end of book*
*Browarsky-Crum Co.
*†Carroll Foundry & Machine Co. (Basic Open Hearth Castings)
Locomotive Crane Co. (Cranes, etc.)
*See adv index at end of book*
*New York Blower Co. (Blowers, Exhausters, Fans, Steam Engines, etc.). (See Chicago, Ill.)
†*Ohio Steel Fdry. Co.
*Ryder Brass Foundry Co. (Brass & Bronze Castings, etc.)
*†Shunk Plow Co. (Agrl. Implements, Plows, Cultivators, etc.)

CADIZ—*Chisholm-Scott Co. (Pea Hulling Machinery, etc.)
*Scott Bros. (Hardware Specialties)
*Scott C. S.
*Ward W. G. (Machinist)

CANAL DOVER—†*Wagner Bros.

CANAL FULTON—*Fulton Pitt Car Co. (Mine Cars & Wheels)
*Fulton Tool Works

CANTON—Advance Dairy Machy. Co.
*†Alliance Foundry Co. (Grey Iron Castings)
American Forge & Machine Co.
*†American Sheet & Tin Plate Co. Roll & Machine Works (Rolling Mill Machy.)
Arctic Ice Mach. Co.
*§Balm Mfg. Co. (Brass Goods & Castings, etc.)
*§Best Light Co. (Incandescent & Vapor Gas Lamp Burners, Aluminum & Brass Castings, etc.), 477 Second N E
*†Bonnot Company (Brick, Clay Working & Cement Machy., etc.)
*†Bucher & Gibbs Plow Co. (Agrl. Implts., Plows & Cultivators)
Callaghan & Laubacher Mach. Co.
*Callaghan Machine & Die Co.
Canton Auto Parts Mfg. Co.
*§Canton Brass Fdry. Co. (Aluminum, Brass & Bronze Castings)
*Canton Bridge Co. (Bridges, etc.)
*Canton Drop Forging & Mfg. Co. (Drop Forgings & Machinists)
*†Canton Foundry & Machine Co. (Sheet Metal Working Machy., Castings, etc.)
†Canton Malleable Iron Co.
†Canton Sash Weight Co.
*†Canton Steel Foundry Co. (Steel Castings)
†Columbia Iron & Wire Works Co.
§*D. C. Mfg. Co.
*†Dick Jos. Mfg. Co. (Agricultural Implements)
*§Diebold Safe & Lock Co. (Bank Vaults, Safes, etc.)
*See adv index at end of book*
*Dillon Elec. Grinder Co.
*Dueber Watch Case Mfg. Co. (Watch Cases, etc.)
*†§Elbel Co. (Saddlery Hdw. & Castings)
*Engine & Machinery Co.
*§Frankham Wm. Brass & Bronze Works
*Gibbs Mfg. Co.
†Gilliam Co.
*Hampden Watch Co. (Watch Mfrs. etc.)
*Hercules Motor Mfg. Co.
Holmes Automobile Co.
†Kelly-Cohen Fdry. Co.
*Knight Mfg. Co. (Saw Mill Machy., etc.)
*Kohler F. E. Co. (Garden Tools & Hardware)
*†McLain J. H. Co. (Heating Apparatus, etc.)
*Miller C. Brownlow
*Miller Pasteurizing Machine Co. (Pasteurizing Machines, etc.)
*Ney Mfg. Co. (Haying Tools, Carriers, etc.)
*Pittsburgh Pneumatic Co. )Pneumatic
*Sala Co.
*§Sun Vapor & Gas Street Light Co. (Incandescent & Vapor Street Lamps, etc.)
*Swineford G. A. Co. (Haying Tools, etc.)
*Thomas-Peter Co.
Thompson Mach. Co.
*Timken Roller Bearing Co. (Roller Bearings for Vehicles, etc.)
*†United Engineering & Foundry Co.
UNITED MACHINE & MFG. CO. (Steam & Oil Separators, Special Machinery, Dies & Contract Machine Work)
*Wagener Steam Pump Co. (Steam Pumps, etc.)
†*Weber Dental Mfg. Co.
†Widder F. E. Co.
*Whiteman Mfg. Co. (Tumbler Washers, etc.)

CARTHAGE—(See Cincinnati, O.)

CELINA—*Celina Mfg. Co. (Windmills, Pumps, etc.)
*†§Celina Machine Works

CHAGRIN FALLS—*†Falls Foundry Co.
*†Ober Mfg. Co. (Woodworking Machy., etc.)
†Falls Foundry (Iron Castings)

CHILLICOTHE — *Buser-Poston Tufting Machine Co.
*Deschler August (Machinist)
*Deweese F. M. & Co. (Lifting Jacks, etc.)
*Houser O. E.
*†Young John

CINCINNATI—*Acme Machine Tool Co. (Machine Tools, etc.)
*Advance Tool Co., Canal & Jackson
*Ahrens-Fox Fire Engine Co. (Steam Fire Engines)
*†American Laundry Machinery Co. (Laundry Machy., etc.)
American Milling Mach. Co.
§*American Smelting & Refining Co.
*American Tool Works Co. (Machine Tools, Lathes, Planers, Shapers, Drills, etc.)
*§American Valve & Meter Co. (Water Cranes, R. R. Switches, Valves & Castings)
§Anchor Brass & Aluminum Co.
*Andrew M. L. & Co.
*Avery Drilling Machine Co.
*†Bahmann Iron Works Co. (Sugar, Coffee & Rice Plantation Machinery, etc.)
†Bardes E. H. Range & Foundry Co. (Grey Iron Castings, Stoves, etc.)
*Barnes Chas. Co., 55 Main
*†Baum J. Safe & Lock Co. (Safes), 617 E Front
Benz Adam & Son (Engineers, Machinists & Millwrights) Machinists Bank & Central
*Berghausen Machine Co., 2128 Colerain av
*†Blymyer Iron Works Co. (Iron Fdrs., Sugar, Coffee & Rice Plantation Machy.)
†Bollmann Wilson Foundry Co., 506 E Front
*§Bourbon Copper & Brass Works (Fire Hydrants, Extension Valve Boxes & Iron Brass Fdrs., etc.)
*Boye & Emmes Machine Tool Co. (Machine Tools, etc.)
*Bradford Machine Tool Co. (Machine Tools, Engine Lathes, etc.)
*Brekmer F. W. Machine & Tool Co., 815 B'way
†Bruce Jno. J. Foundry Co. (Iron Fdrs., Machine Tools, etc.), 2421 Colerain av
*†Buckeye Foundry Co. (Iron Fdrs. Machinery Castings, etc.), Queen City av & Buck
*Buob & Scheu (Machinsts), 216 Webster
*BURTON ENGINEERING & MACHINERY CO. ("Burton" Gasoline & Kerosine), Spring Grove & Alabama av.
*See adv index at end of book*
Burton Range Co. (Steel Ranges), 7th & Sycamore
*Carlisle & Finch Co. (Searchlights & Motors, etc.), 229 E Clifton av
*Carlton Machine Tool Co. (Machine Tools)
Carroll, Wm. & Son, 4220 Main (Norwood)
*Century Co., Oakley
*Champion Tool Works Co., Div. Acme Machine Tool Co. (Lathes, etc.), 4955 Spring Grove av
§Cincinnati Aluminum Casting Co., Norwood
*Cincinnati Ball Crank Co. (Machine Handles, Ball Crank), N. Oakley
*†Cincinnati Bell Foundry Co. (Bell Fdrs., etc.), 2933 Spring Grove av
*§Cincinnati Car Co. (Electric Car Builders), Spring Grove & Mitchell av.
*Cincinnati Coffin Co. (Caskets & Hdw.), Richmond, Carr & Fillmore
*Cincinnati Electrical Tool Co. (Electric Drills & Grinders)
*Cincinnati Elevator Works (Elevators, etc.), 212 W 2d
*Cincinnati Engineering Tool Co. (Special), Winton Pl
†Cincinnatii Fdry. Co.
*Cincinnati Frog & Switch Co. (Frogs, Switches, etc.)
*See adv index at end of book*
*Cincinnati Gear Co. (Gears, etc.), 1815 Reading rd
*Cincinnati Grinder Co. (Universal Grinders, etc.), 3233 Colerain
*Cincinnati Lathe & Tool Co. (Machine Tools, etc.), Oakley
*Cincinnati Metal Refining Co.
*§Cincinnati Mfg. Co. (Brass & Bronze Fdrs. & Ornamental Iron, Brass & Bronze Works)
*Cincinnati Milling Machine Co. (Machine Tools, etc.)
*Cincinnati Planer Co. (Machine Tools)
*Cincinnati Screw Co., Twightwee
*Cincinnati Shaper Co. (Machine Tools, etc.), Elam & Garrard
†Cincinnati Steel Castings Co. (Steel Castings), Queen City & Spring Grove avs
*Clifton Motor Works (Gasoline Engines), 229 E Clifton av
*Cluthe G. Co. (Edge Tools & Hdw. Specialties), 28 E Court
*Columbia Iron Works (Bldrs.' Iron Work), 721 Reading rd.
*Consolidated Time Lock Co. (Time Locks, etc.), 2268 Spring Grove
*Conway Clutch Co. (Friction Clutches, Pulleys, etc.), 2507 Beekman
*Crane & Breed Mfg. Co. (Metallic Burial Cases, etc.), 1227 W 8th
Crescent Tool Co. (Special), 2nd & Elm
*Curran Jas. H. Elevator Co. (Elevators), 114 W 2nd
*†§Day J. H. Co. (Laboratory & Pulverizing Machinery, etc.)
§Deckebach F. C. Sons Co. (Brass Fdrs. & Finishers), 123 W Court
*§Douglas Jno. Co. (Plumbing Goods), Carthage
*Dreses Machine Tool Co. (Machine Tools, etc.)
*Dunn W. C. Co., 832 W 6th
*Eagle Mfg. Co. (Special Tools), Blue Rock & Turrill
*§Edna Brass Mfg. Co. (Car & Motor Brasses & Castings)
*§Electric Railway Equipment Co.
†Elmwood Castings Co. (Grey Iron Castings, etc.), Murray rd
*§Enterprise Brass & Plating Co. (Carriage Mountings, Brass Finishers & Platers, etc.), 6th & Baymiller
†*Erhart, Chris, 1237 W 6th
*§Eureka Brass Works (Brass Valves, Unions, etc.), 1040 Hulbert av
*†Fay J. A. & Egan Co. (Woodworking Machy., etc.)
§Fewlass Leen Brass & Iron Co. (Brass Fdrs. & Finishers), 610 E Front
Fischer Special Mfg. Co., 2076 Reading rd.
*Fosdick Machine Tool Co. (Machine Tools)
*Freeman Louis G. Co. (Shoe Machy.), 909 Sycamore
*Frisbie Engine & Machine Co. (Engines, etc.), 33 E Water
*Gerding Bros., 3rd & Main
Globe Brass Foundry, 60 Elm
Gordon Machine Co., 650 Evans
*†Gray G. A. Co. (Machine Tools)
*Greaves, Klusman Tool Co. (Machine Tools
*†Grossius Jno. Furnace Co. (Warm Air Furnaces, Heaters, etc.), 318 E 8th
*Halls Safe Co. (Safes & Bank Vaults), P. O. Box 846
*See adv index at end of book*
*†Hammond Heating Co. (Hot Air Furnaces, Heating & Ventilating, etc.), 130 E Pearl
*Hardisty & Co. (Augers, Machine Knives, etc.), Garland, Linwood
*†§Haven Malleable Castings Co. (Malleable Iron Fdrs. & Carriage Hdw.)
*Hempelman & Hector (Special Machinery, etc.), 120 Longworth
*Hilbert Machine Co. (Machine Tools), 2116 Colerain av
*Hisey-Wolf Machine Co. (Machine Tool Grinders, Drills, etc.)
Homan & Co. (Candle Moulding Machinery, etc.)
*†Houston, Stanwood & Gamble Co. 3rd & Philadelphia
†Huenefeld Co. (Steel Ranges, etc.)
*Ideal Concrete Machinery Co. (Concrete Block Machinery), 1346 Monmouth av
*Ideal Machine & Tool Co., 128 Longworth
*§Incandescent Light & Stove Co., Madisonville
*International Harness Machinery Co. (Harness & Leather Working Machinery), 708 B'way
*Johnston Robt. C. & Co. (Machinists & Engineers), 620 Lodge
*Johnston Wm. T. Co., 3d & Vine
*Kammen Walter Mfg. Co., 3258 Spring Grove av
*Keene Geo. C. & Co. (Sheet Metal Workers' Machinery & Tools), 2337 Florence av
*Kiefer Karl Machine Co. (Filter Presses, etc.), 919 Martin
*King Machine Tool Co. (Machine Tools), Clifton av. & B. & O. & S. W. R. R.
*Kingery Mfg. Co. (Peanut Roasting Machinery, etc.), 420 E Pearl
*Kinsey E. A. Co., 331 W 4th
§Kinsley J. R. (Brass Fdrs.), 115 E 6th
§Kirkup Robt. & Co. (Plumbers' Brass Goods, etc.), 616 Lodge
†Klaine F. A. Co., Front & Central
*Koenigkramer F. & F., 1914 Western av
*Kuehnle Jno. & Son (Edge Tools, Machinists' Bits & Cutters for Woodworking Machinery), 2110 Coleraine
*†§Laidlaw Works (Worthington Pump & Machinery Corp.), (Pumping Engines & Machinery, etc.)
*†Lane & Bodley Co. (Air & Gas Compressors, Corliss & Slide Valve Engines, etc.), Tennessee av & Paddock rd
*Le Blond R. K. Machine Tool Co. (Machine Tools, etc.)
Limberg Enameling Co., Florence av
*Lodge & Shipley Machine Tool Co. (Machine Tools, etc.)
*†§LUNKENHEIMER CO. (Brass & Iron Fdrs., Steam, Water & Engineering Specialties), Executive Offices & Factories, Waverly & Beekman
*See adv index at end of book*
*†McGowan Jno. H. Co. (Pumping & Tobacco Machy., Fourth Nat'l Bank bldg
*See adv index at end of book*
*MacLeod Co. (Paint Spraying Machines, Air Compressors, etc.)
*See adv index at end of book*
§Messmer Andrew Co. (Brass Fdrs. & Finishers), Patterson nr. Bank
*Metzger J. Mfg. Co. (Machinists), 2165 McLean av
*Miller, Du Brul & Peters Mfg. Co. (Cigar & Cigarette Machy., etc.), 507 E Pearl
†Miller Wm. Range & Furnace Co. Ranges, Furnaces, etc), 125 E 5th
†Modern Foundry Co., 4601 Marburg
*Monarch Tool Co. (Tool Dies, etc.), Murdock bldg
*†§Monitor Stove Co. (Stoves, Ranges, etc.), C. H. & D. Ry. nr. Gest
*†Morris Jno. B. Foundry Co., Court & Harriet
*†Mowrey Car Wheel Works Co. (Grey Iron Castings, Brake Shoes, etc.)
*Muehlmatt Adolph (Tools, etc.), Lion bldg
*Mueller Machine Tool Co. (Machine Tools, Radial Drills, etc.), 2427 Colerain av
*§Murdock Mfg. & Supply Co., 426 Plum
§National Brass Mfg. Co. (Furniture & Hearse Trimmings, etc.)
*National Elevator Co. (Elevators, etc.), 124 Longworth
*National Machine Tool Co. (Key-Seating Machines & Milling Tools)
*Neibling F. W. Co. (Ice Machines & Fittings), W 6th & Baymiller
*Neil & Smith Electric Tool Co. (Electric Drills & Grinders), 8th & B'way
*†§Newman & Co., 717 Sycamore
*See adv index at end of book*
*§Nichol Thos. J. & Co. (Brass Fdrs. & Finishers' Plumber Goods), Pearl & Ludlow
*Nunning Frank & Son (Machinists, etc.), 215 W. 2d
*†Oakley Machine Tool Co., Oakley
†Oberhelman J. A. Foundry Co.
*Oesterlein Machine Co. (Machine Tools, etc.),
Ohio Brass & Copper Co., 412 Elm
*Ohio Knife Co. (Machine Knives, etc.)
§Ohio Pattern Works (Brass Castings, etc.), 2730 Spring Grove av
*Oldroyd Mining Machine Co., 621 W Front

OHIO—Cincinnati—continued.

†Peerless Fdry. Co. (Grey Iron Castings), Carthage
Peters Bossert Co., 617 E Pearl
•§Pfau Mfg. Co. (Plumbing Supplies), Mentor & Huston, Norwood
Pfister Wm. H. (Engineering & Surveying Instruments, etc.), 230 W 4th
*Post-Glover Electric Co. (Elec. Railway & Mine Specialties), 308 W 4th
*§Powell Wm. Co. (Steam Engineering Specialties & Brass Fdrs.)
*See adv index at end of book*
Printing Machinery Co., 3rd & Lock
†*Queen City Fdry. Co., Spring Grove & Alabama
•Queen City Machine Tool Co. (Machine Tools), 1405 Sycamore
•Rahn-Larmon Co. (Machine Tools, etc.)
•Randall J. D. Co. (Harness & Horse Collar Machinery), 610 W Court
•†§Randle Machinery Co. (All Kinds of New & Second Hand Rebuilt Machinery), C. H. & D. Ry. & Powers, Cumville
•Rechtin Louis E. & Bro. (Woodworking Machinery), 215 Butler
*Reedy H. J. Elevator Co., Inc., 15 W 2nd
•Rich Pump Co. (Pumps, etc.), South & Depot
*§Richter Brass Co. (Plumbers' Brass Goods), 210 E 9th
•Robinson J. M. Mfg. Co. (Sheet Metal Workers' Machines & Tools), 3282 Spring Grove av
•Ross-Moyer Mfg. Co. (Harness Machinery)
•Schacht G. A. Motor Truck Co. (Machinery Specialties), Gest & Evans
•Schellenbach-Hunt Tool Co. (Reamers, etc.), Murdock bldg
•†§Schreiber L. & Sons Co. (Structural Iron & Steel Work, etc.), 3860 Ivanhoe
•Shriver O. P. & Co. (Hardware, etc.), 621 E Pearl
§Schroder J. B. & Co. (Builders' Hardware, etc.), 133 E 5th
•Shepard Lathe Co. (Machine Tools), Canal & Jackson
•Sicking Barnard, 1931 Freeman av
Simmons W. H. & Co. (Machinists), 208 Lawrence
•Simpson-Orville Co. (Flour Mill Machinery)
*†§Smith & Johnson Mfg. Co., 2031 Elma
•†Stacey Mfg. Co. (Bldrs. Iron Work, Bench Castings, etc.), Big Four R. R. & Township av, Elmwood
•Standard Die Co. (Cutting Dies, etc.), 1019 Vine
•Standard Parts Co., Hess Plant (See Cleveland)
•†§Standard Pulley Co., 1734 Powers
Steel Forgings Co., Oakley
•Steptoe Jno. Co. (Shaping Machines, etc.), 2951 Colerain av
•Stewart Iron Works Co. (Jail & Cell Work, Iron Work, etc.)
•Stuebing Automatic Machine Co., 308 Walnut
•Tatum Sam'l C. Co. (Binders & Printing Machinery)
Thompson Spot Welder Co. (Welding Machines)
•Tool Steel Gear & Pinion Co. (Gears & Pinions), Township av. & Elmwood pl
•Towsley Jno. T. Mfg. Co. (Woodworking Machinery, etc.), Evans, N of Gest
•§Triumph Electric Co. (Dynamos, Motors, Generators, Brass & Bronze Castings, etc.), Oakley
•Triumph Ice Machine Co. (Ice Machines, Cranes, etc.), Oakley
•Triumph Mfg. Co. (Bakers' Machinery)
•Tucker Machine Co. (A. P. Tucker, Prop.), (Tool Grinders, etc.), 222 E 9th
•United States Electrical Tool Co. (Electric Portable Hand Drills & Grinders)
*See adv index at end of book*
United States Lathe & Mach. Co.
United States Mach. Tool Co.
*Universal Equalizer Co., Opera Pl
•§Van Duzen E. W. Co. (Pumps, Bell Fdrs. & Gongs), 428 E 2nd
•Verdin, Kappes & Verdin Co. (Sheet Metal Working Machinery)
*§Victor Safe & Lock Div., The Safe-Cabinet Co. (Safes, Bank Vaults, etc.), Norwood
•**WARNER ELEVATOR MFG. CO.** (Electric & Hydraulic Elevators), Spring Grove av, Alfred & Valley
*See adv index at end of book*
•Watkins Motor Co. (Gas & Gasoline Engines, etc.), 828 W 6th
•Weir Frog Co. (Frogs, Switches, Crossings, etc.)
†Wessling Bros. Foundry Co., Liberty & McLean
•Western Automatic Machine Co. (Slot Machines), 34 E Court
§Williams D. T. Valve Co. (Valves, Steam Traps, Steam Separators, etc.)
•†Williamson Heater Co. (Iron Fdrs), 339 W 5th
•Wolf Electrical Promoting Co. (Cloth Cutting Machinery), 5th & Sycamore
*Wright Traffic Signal Co., 844 W 6th

CIRCLEVILLE—•†Haswell Steel Range & Furnace Co. (Stoves, Ranges, etc.)
•Lutz J. H. (Light & Specialty Machinery, etc.)

CLEVELAND—Accurate Machine Co., 1071 Power av
Accurate Machine Co., 1011 Power av
†Acme Foundry Co. (Fine Light & Medium Grey Iron Castings), 5217 Sweeney av
•Acme Machinery Co. (Bolt, Nut & Rivet Machinery), 4533 St. Clair av
•Adams-Bagnall Electric Co. (Arc Lamps, etc), Platt av
•Advance Engineering Co., Metta av
•§Aetna Brass Mfg. Co., 1631 E 55th
•Ajax Mfg. Co. (Bolt & Nut Machy), 3830 Lakeside av
•Allen Machine Co. (Tapping Machines, etc), 1585 Columbus rd
†*Allyne-Ryan Fdry. Co., Aenta rd & E 91st
•Aluminum Castings Co. (Brass Founders, Aluminum, Brass & Bronze Castings), 2210 Harvard
§American Brass Mfg. Co. (Brass Finishers, etc.), 1521 E 49th
•†American Fork & Hoe Co. (Forks, Hoes, etc), Swetland bldg
†American Multigraph Sales Co., 1832 E 40th
•†§American Ship Building Co. (Ships, Engines, etc.), ft. of W 54th
•†§American Steel & Wire Co., Western Reserve bldg. (See Chicago).
*See adv index at end of book*
•†American Stove Co. (Steel Ranges & Gas, Gasoline & Oil Stoves), 1787 E 40th.2 (See St. Louis, Mo
•Ames Bag Machine Co., 5606 Euclid av
•Anderson Rolled Gear Co. (Rolled Gears, etc), Berea rd & L. S. & M. S. Ry.
•**ANDERSON V. D. CO.** (Cylinder Dryers, Filters, Presses, Traps, etc.), W 96th
*See adv index at end of book*
§Arth Brass Aluminum Casting Co., 1378 E 33rd
†Atlantic Foundry Co. (Iron Fdrs, etc.), Morgan av & Groton
•§Atlas Brass Mfg. Co. (Plumbers' Specialties), 332 Lakeside av, N W
†Atlas Fdry. Co.
•Automatic Stamping & Machine Co., 7803 Madison
Automobile Screw Products Co., E 152nd & N. P. R. R.
•Bardons & Oliver (Machine Tools, Turret Machines, etc.)
•**BARTLETT C. O. & SNOW CO.** (Elevators, Conveyors, Dryers, Crushers, etc., Fall.
*See adv index at end of book*
•Benson A. M. & Co. (Barrel & Stave Machinery)
•§Bishop & Babcock Co. (Brass Founders, Pumps, Soda Fountains, Bottlers Machinery, etc), 1204 E 55th
•Bloomquist-Eck Machine & Mfg. Co., 205 St. Clair av, N E
•Bollinger & Rielev Machine Co.
•Boom Boiler & Welding Co., 1615 Merwin av
•†§Born Steel Range Co. (Steel Ranges & Cooking Apparatus), 3945 W 25th
Bowen Products Corp.
*See adv index at end of book*
•†Bowler Foundry Co. (Iron Founders), 1688 Columbus
•Brierly Machine Co., 1736 E 22d
•Brightman Furnace Co. (Power Transmitting Machinery), 2570 B'way
•Brightman Machine Co. (Power Transmitting Machinery), Quincy & C. & P. Ry.
†Broadway Fdry. Co., 8001 Franklin
†Brooks T. H. & Co. (Iron Founders' & Builders' Iron Works)
†Brookside Brass Fdy. & Mfg. Co., 2315 Selzer av S W (Plumbers supplies)
•†Brown Hoisting Machinery Co. (Coal & Ore Handling Machy., etc.), 4403 St. Clair, N E.
Browning Co. (Cranes, etc.), E 162nd & Waterloo rd., N E
*Browning, Sommer, Adams Co.
*See adv index at end of book*
•Bruce-Macbeth Engine Co. (Gas Engines)
§Buckeye Brass & Mfg. Co. (Brass Founders & Finishers), 6410 Hawthorne
•Bultman F. H. Co. (Gear Cutting Machines, etc), 2108 Superior Via
•Burton & Johnson Co. (Pumps, Engines, etc.), 2301 Center av
•Cady Machine Co.
•Carl Max J. Machine Co. (Jobbing), Blackstone bldg
•Carter Wm. D., 1232 E 3rd
•§Central Brass Mfg. Co. (Brass Fdrs. & Finishers, Plumbing Goods), 6206 Cedar
•Champion Machine & Forging Co. (Forgings), 3690 E 78th
*See adv index at end of book*
•Champion Stove So. (Stoves, etc.), 4001 W 25th
•†Chandler & Price Co. (Printing Presses & Machy), 6000 Carnegie av
•Chase Machine Co. (Engines, etc), 2313 Elm
•§**CHICAGO PNEUMATIC TOOL CO.** (Pneumatic Tools), E 49th & Lakeside (see Chicago, Ill.)
*See adv index at end of book*
•†§**Chisholm & Moore Mfg. Co.** (Castings, Chain Hoists, etc.), 5046 Lakeside av N E
•City Brass Foundry Co. (Brass & Composition Castings), 5318 St. Clair av
•City Foundry Co. (Grey Iron & Semi-Steel Castings), 45th & Hamilton
•City Machine Co. (Special Machy. & Macaroni Machy), 5321 St. Clair
•Clark-Mesker Co., 18511 Euclid av
•Cleveland Aluminum Casting Co. (Aluminum, etc.), 905 Addison rd
•Cleveland Armature Works Inc. (Dynamos & Motors, Armatures, etc), 4736 St. Clair av
•Cleveland Automatic Machine Co. Machine Tools), 2269 E 65th
•Cleveland Block Co. (Malleable Iron Tackle Blocks), 1173 W 11th
•§Cleveland Brass Mfg. Co., 4606 Hamilton
§Cleveland Brass Works, 1525 E 49th
•Cleveland City Forge & Iron Co.
†Cleveland Co-operative Stove Co. (Stoves), 2323 E 67th
**CLEVELAND CUTTER & REAMER CO. (THE)**, 1619 Merwin av
*See adv index at end of book*
•Cleveland Die & Mfg. Co. (Dies, etc.), 744 E 82nd
•Cleveland Elect. Motor Co., 5313 Windsor
†Cleveland Electro Metals Co. (Aluminum Ingots), 2397 W 38th
•§Cleveland Faucet Co. (Faucets, Air Compressors, Pumps, etc), 1205 E 55th
•Cleveland Folding Machine Co., 5200 Euclid av
•Cleveland Frog & Crossing Co. (R. R. Frogs, etc.), 6917 Bessemer av
•Cleveland Gas Meter Co. (Mfrs.), 2180 E 65th
•Cleveland Hardware Co. (Hardware) Lakeside av & E 45th
•Cleveland Knife & Forge Co., 1960 W 114th

•Cleveland Machine Tool Co. (Machine Tools)
•Cleveland Machine & Mfg. Co. (Rolling Mill Work & Forgings), 4944 Hamilton av
•Cleveland Metal Products Co. (Oil Stoves), Platt av & C. & P. R. R.
Cleveland Metal Stamping Co.
Cleveland Motor Devices, 5269 Prospect av
Cleveland National Machine Co., 1366 W 70th
•†Cleveland Planer Works (Machine Tools, etc.), 3150 Superior
•Cleveland Pneumatic Tool Co., 3734 E 78th (Pneumatic Tools)
•Cleveland Punch & Shear Works Co. (Punching & Shearing Machinery, Grey Iron Castings, etc.), 3921 St. Clair av, N E
•†Cleveland Rubber Mold Foundry & Machine Co., Warner rd
•Cleveland Specialty & Mfg. Co.
•†Cleveland Steel Casting Co.
•Cleveland Steel Range Co. (Steel Ranges, etc.), 2900 Detroit av
•Cleveland Tractor Co., Euclid & Lamb av
•Cleveland Twist Drill Co. (Twist Drills, Reamers, etc.), 1 E 49th
•Cleveland Welding & Mfg. Co., W 117th & Berea rd
•Climax Motor Devices, 5209 Prospect av
•Clough & Witt Machine Co. (barrel machy.), 1740 Columbus rd
•§Cochrane John A. Brass Mfg. Co. (Brass Goods, etc.), 1403 E 40th
•Colburn Machine & Tool Co., Ivanhoe rd
•Collamer Machine Works, 1214 E 152nd
Collinwood Foundry, 17004 Waterloo rd
•†Columbian Hardware Co. (Hdwe & Specialties)
•Cooper Spring Co (Carriage Springs, etc.), Leader New bldg
Cowles Tool Co., 2086 W 110th
§Crescent Brass Mfg. Co. (Brass, Copper, Aluminum, Zinc & Steel Spinning Fixture Parts, etc.), 8410 Lake av
†Crucible Steel Casting Co. (Steel Castings)
•Cummer F. D. & Son Co. (Asphalt, Brick Machy., etc.), Superior Arcade *See adv index at end of book*
Cuyahoga Machine & Tool Co., 12416 Euclid av
Cuyahoga Tool Co. (Tractor Parts), E 103rd & Harvard
•D. & L. Machine & Mfg. Co., 1529 E 49th
Damascus Brake Beam Co., London rd & Nickel Plate
•Darling Machine Co., 2110 Superior av, N W
•§Daykin Bros. (Pumps), 1606 W 25th
•Deamude Machine Co., 1591 Columbus rd
•Dickey-Grabler Works, W Madison & 103rd
•Diebold Products Co., 5333 St. Clair
Dill Mfg. Co., 686 E 82d
Drake Process Machinery Co. (Carton Marking Machines), 2344 E 105th
•Duplex Hanger Co. (Joist Hangers), E 53rd & Lakeside av
•Dyer Co. (Sugar Machinery), 2031 Euclid av
•East Shore Machine Products Co., E 140th & Aspinwell av
•†Eberhard Mfg. Co. (Saddlery Hdw. & Specialties), C. & P. Ry & Tennyson rd
†Economy Stove Co. (Gas Ranges, etc.) 2108 Superior
•Edmonds Elevator Co. (Elevators), 519 Champlain
•Elliott Electric Co. (Electrical Machinery), 813 Superior
•Elwell-Parker Electric Co. (Electric Industrial Trucks)
•§Empire Brass Mfg. Co. (Brass Fdrs. & Furnishers, Plumbers' Goods), 10301 Berea rd
•Empire Plow Co. (Agricultural Implements, etc.), 3140 E 65th
Enterprise Tool Co., E 72nd
•Eureka Machine Co. (Brewers' & Maltsters' Machinery)
•Evers Iron Works (Special Machy.), 1569 Merwin N W
Fairmount Tool & Forging Co., 10611 Quincy av
†•Fanner Mfg. Co.
•§Farnan Brass Works Co. (Brass Fdrs. & Finishers, Steam & Plumbing Goods), 1105 Center
•Federal Gear Co. of Cleveland
†Ferro Machine & Foundry Co. (Grey Iron Castings for Automobiles, Trucks & Tractors), E 66th & Hubbard av
•†Ferrosteel Co. (Hot Air Registers, etc.), 425 Prospect av N W
•Fitzsimons & Co. (Polished Steel Shafting, etc.), 2469 B'way S E
•Fix's S. Sons (Steam Flue Welding, etc.), Leonard & Winter
•Foote-Burt Co. (Machine Tools), 4101 St. Clair av
Ford-Clark Co., 3125 Perkins av
†Forest City Fdy. & Mfg. Co. (Hot Air Furnaces, Grey Iron Castings, etc.), 2202 Elm av
•Franke H. Steel Range Co. (Steel Ranges, etc.), Harvard & E 103rd
•§Fulton Foundry Co. (Grey Iron Castings), 1209 Marquette
•Gardner-Bryan Co., 419 Frankfort
•Gas Machinery Co., 1900 Euclid av.
•Geier P. A. Co. (Special Machy., etc.)
§General Bronze Fdry. Co., 4800 Hamilton av
•Gerlach Peter Co. (Pail, Keg, Barrel & Shingle Mill Machy., etc.), 1712 Winter
•§Glauber Brass Mfg. Co. (Brass Fdrs. & Finishers, Plumbing Goods), 49th & Superior av
*See adv index at end of book*
§Globe Brass Mfg. Co. (Brass Goods & Finishers), 5532 Perkins ct, N E
•Globe Machine & Stamping Co. (Special Machy. & Parts), 1250 W 76th
•Goby Engine Co. (Gasoline Engines)
•†Grabler Mfg. Co. (Grey & Malleable Iron Castings, Plumbers' Specialties, etc.)
•Grant-Lees Gear Co. (Auto Gear Transmission), 2367 E 69th
Grant Tool & Gauge Co., 136 E 3rd
Gravity Carburetor Co., Woodland av
Hahn Mfg. Co., 5332 Hamilton av
•Harris Automatic Press Co. (Printing Presses), E 71st
§Harsch John Co
•Hart Mfg. Co. (Pipe Cutting & Threading Machines)
•Hartz Henry V. Co. (Special Machy., etc.), Cuyohoga & Mahoning av
•†§Hill Clutch Co. (Power Transmitting Machinery, also Special Machinery, etc.), W 65th
§Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd
•Hohlfelder F. Co. (Hdw. Specialties, Metal Beds, etc.), 1197 W 67th
•Homer Commutator Co. (Commutators), 4748 Hough av N E
•Horning Electric Mfg. Co. (Electric Blowers & Exhausters)
•Horsburgh & Scott Co. (Gears), 5114 Hamilton av, N E
†Horvath Geo., 8209 Holton
Hunger H. J. Brass Wks., 928 Champlain
Hunger & Scherdegger (Brass Fdrs.)
•Hunt & Dorman Mfg. Co. (Tin, Sheet Iron, Brass & Copper Work, etc), 1600 E 24th
§Ideal Bronze Co. (Brass & Comp, Castings, etc), 1265 E 55th
•Iler Foundry & Mfg. Co., 6605 St. Clair
•Imperial Steel Range Co. (Steel Ranges, etc.), 2900 Detroit av
•Independent Register & Mfg. Co. (Registers, Gas Heaters & Specialties), 713 Frankfort
•Industrial Machine Co., 2160 Superior
†International Foundry, 6601 Morgan av
International Machine Tool Co., 1111 Power av
†Interstate Foundry Co. (Light & Heavy Grey Iron Castings, etc.), E 61st & Erie R. R.
•Jackson C. E. & Co. (Machinist), 518 Prospect, N. W.
†•James Mfg. Co.
•Johns Engineering Co., 625 Champlain av
*See adv index at end of book*
•John's Stamping & Machine Works Co., 1715 Leonard
•†Johnston & Jennings Co. (Cranes, Castings & Rolling Mill Machy), Addison Rd & N. Y. C. R. R.
*See adv index at end of book*
§Kayline Co., 312 High av
§K. & M. Brass & Aluminum Castings Co., Harvard & E 108th
•Kelly Reamer Co. (Reamers), 1553 Columbus rd
•†§Kilby Mfg. Co. (Wire & Sugar Machinery, Heavy Castings, etc), 4623 Lakeside av
•King Bridge Co.
§King Bronze & Aluminum Fdry. Co., 1734 E 37th
•Kirk-Latty Mfg. Co. (Bolts, Screws & Children's Steel Express Wagons & Velocipedes, etc.), 1971 W 85th
•Konigslow E. Stamping & Tool Wks. (Dies, etc.)
Kremer-Cummins Machine Co., 1833 E 55th
Kuhlman, G. C. Car Co. (Electric Car Bldrs.), Adams & L. S. & M. S. Ry.
Laganke Chas. F. (Jobbing), 116 St. Clair av, N E
§Lake Erie Smelting & Refining Co., 7900 Bessemer av
•Lakewood Engineering Co. (Cars, Concrete Mixers, etc.)
*See adv index at end of book*
Lamson & Sessions Co. (Bolts, Nuts, Rivets, Wrenches & Wire Rope Cups), 2188 Scranton rd, S W
Langenau Mfg. Co. (Brass & Iron Hdw. Specialties), 8403 Franklin av N W
•Lannert Co.
Leader Brass Fdry & Mfg. Co.
•Lees-Bradner Co. (Cut Gears, etc.)
Lewis Machine Co. (Wire Core Cutting & Straightening Machinery), 6303 Central
§Levy Albert D. (Aluminum Castings, etc.)
•Lincoln Electric Co. (Electric Welding Machines, Dynamos, Motors, etc.)
•§Loew Mfg. Co., 9100 Madison av, N W (Brewery Machinery)
•Long-Arm System Co. (Ship Fittings, etc.), Lakeside & E 38th
•Lucas Machine Tool Co. (Machine Tools, etc.), 524 E 99th
•McKenna Co., 1851 E 38th
•†McMyler-Interstate Co. (Bridge Builders)
Machine Products Co., E 179th & St. Clair
•†Madison Foundry Co. (Light & Heavy Machinery Castings, Grate Bars, Columns, Sewer Castings, etc.)
•Maskell J. H. Machine & Mfg. Co. (Special Machy, etc.), 1419 E 40th
•Mather W. H. H. (Machinists), 105th & Quebec av S E
†Meech Foundry & Castings Co., 9940 Meach av S E
•Metal Parts Mfg. Co., 1084 E 152nd
•Metals Welding Steel Products Co., 4400 Perkins av
•Miller Chemical Engine Co., 1411 W 9th
•Monarch Aluminum Ware Co., 4613 Payne av
•§Monarch Brass Co. (Plumbers Brass Goods)
§Morreau Co. (Gas & Elec. Fixtures), 1305 Oregon av N E
•Motor Products & Engineering Co. (Automobiles), E 61st
•Murphy Boiler Co., 3263 W 73rd
National Acme Co. (Screw Machines, etc.), 7500 Stanton av, S E
•National Adding Machine Co. (Adding Machines), 1366 W 70th
•§National Bronze & Aluminum Fdry. Co. (Aluminum & Bronze Castings), 2539 E 79th
†National Car Wheel Co., 2120 W 106th. (See Pittsburg, Pa.)
†National Malleable Castings Co. (Malleable Iron Castings for R.R., etc.), 7706 Platt av, S E
•National Safe & Lock Co.
National Steel Products Co.
•†New Process Stove Co. (Division of American Stove Co.), 4415 Perkins av
•North American Mfg. Co., 5902 Carnegie av

OHIO—Cleveland—continued.

*Ohio Body & Blower Co. (Blowers, Steam Separators, etc.), 9300 Detroit av
*Ohio Electric Works (Dynamos, etc), 112 Colonial av
*Ohio Electric & Controller Co., 5900 Maurice av
*See adv index at end of book*
†Ohio Foundry Co. (Iron Fdrs.), E 71st & Stanton
*Ohio Instrument Mfg. Co., 5900 Carnegie av
†Ohio Machine & Boiler Co., 1501 University rd
*Ohio Motor Vehicle Co., Oakview & Nottingham rds
*Ohio Trailer Co., Nottingham & Oakview
*Oram Jno. S. Co. (Barrel, Stave & Heading Machinery), 1316 E 53rd
*Oster Mfg. Co. (Pipe Cutting & Threading Machines), 2057 E 61st pl
†Otis Steel Co., Leader News bldg
*†Palmer & De Mooy Foundry Co. (Grey Iron Castings & Machine & Brass Pattern Shop), 1658 Leonard N W
*§Paramount Brass & Mfg. Co., 2187 E 2nd (plumbers supplies)
*†§Peck, Stow & Wilcox Co., W 3d n Cuyahoga av S W. (See Southington, Conn.)
*Peerless Automatic Machine Co. (Screw Machines & Screw Machine Products), 1962 W 77th
*§Peerless Motor Car Co., Quincy av & E 93d
*Pennsylvania Picton Ring Co., 203 St. Clair av N. E.
*Peters Machine & Mfg. Co., 7320 Madison av
*Phoenix Ice Machine Co., 2711 Church av
†Pioneer Alloy Products Co., Inc., 16601 Euclid av
*Pioneer Machine & Engineering Co., Merwin av
*Pipe Machinery Co. (Pipe Bending & Cutting Machines, etc.), 930 E 70th
*Plotz Wm. (Tools, etc.), 401 Champlain av N W
*Prague Mfg. Co.
§Premier Aluminum Foundry Co., Nickel Plate & Ivanhoe rd
Prey Machine & Bren Foundry Co., 936 E 72nd
§Regar Brass Co. (Plumbers' Brass Goods, etc.), 1523 E 45th
*†§Reliable Stove Co. (Gas Heaters, Ranges, etc.), 1787 E 40th
*RELIANCE ELECTRIC & ENGINEERING CO. (Electric Motors, etc.), 1064 Ivanhoe rd
*See adv index at end of book*
*Reliance Gauge Column Co. (Steam Specialties, etc.)
*§Rickersberg Brass Co. (Plumbers' Brass Goods, Perkins & E 37th
*Ross Mfg. Co. (Wheel Trueing Tools), 3160 W 106th
*Round D & Son (Hoisting Machinery) Penn R. R. & Henry
*§Royal Brass Mfg. Co., 1417 E 43d
*§Russ Co. (Ale & Beer Pumps, etc.), 5700 Walworth av
*S.-P. Manufacturing Co. (Special), 872 E 72nd
*Sabin Machine Co. (Special Machinery), 6536 Carnegie av
Salisbury Ball Bearing Co., 3741 E 93rd
§Sanitary Co. (Brass Fdrs. & Finishers, Plumbing Goods)
*Sawyer Gear & Mfg. Co., 5120 St. Clair av, N E
Scott & Fetzer Machine Co., W 114th & Locust
§*Scott-Ulman Co., 3311 Perkins av
Screw F. P. Co., 2279 E 77th
*Shields Cutter Co., 18611 Euclid av
*Sly W. W. Mfg. Co. (Tumbling Mills, Foundry Equipment, etc.), 4700 Train av
*Smith W. A. & Co. (Hot Air Furnace), 625 Champlain
Sommer-Adams Co., E 55th & Francis
*Spotless Steam Sponger Co. (Sponging Machines), Whitney Power blk
*Stahl Gear & Machine Co., 1390 E 40th
§Standard Brass Foundry Co. (Brass Fdrs), 990 E 67th
†Standard Car Wheel Co. (Car Wheels) 6704 Bessemer
*Standard Equipment Co., Lorain av & W 106th
†Standard Foundry & Mfg. Co. (Light Grey Iron Castings, etc.), 2717 E 75th
*Standard Machinery & Equipment Co., Guardian bldg
*Standard Sand & Machine Co. (Sanding Machines, etc.), 5150 St. Clair av N E
!Standard Sewing Machine Co. (Sewing Machines), 6402 Cedar av S E
†Standard Steel Castings Co. (Automobile Steel Castings), 3311 W. 73rd
*Stearns F. B. Co. (Auto Cars), Euclid av & Lakeview rd
§*Sterling Brass Co., 4610 St. Clair av
†Superior Foundry Co. (Grey Iron & Semi-Steel Castings), 71st & W. & L. E. Ry.
*†Taylor & Boggis Foundry Co. (Iron Stoves, Hdw., etc.)
*Tinnerman Stove & Range Co., 2038 Fulton rd
*Trenkamp Stove & Mfg. Co. (Gas Stoves, etc.), 9806 Quincy av
Tungstolier Wks. of General Electric Co. (Gas & Electric Fixtures)
*Ulmer J. C. Co. (Engineering Instruments), 1791 E 38th
*Union Engineering Co. (Mechanical Engineers & Millwrights & Machinists), Cuyahoga & W 4th
*§United Brass Mfg. Co., 3844 Hamilton av
*†United States Cast Iron Pipe & Foundry Co., 1150 E 26th. (See Burlington, N. J.
*U. S. Molding Machine Co., 968 E 69th
*United States Tool Co., 3160 W 106th
*Upson Nut Co.
*Vahan Products Co., 73rd & St. Clair
*Van Dorn & Dutton Co. (Cut Gears, Pinions, Racks, etc.), 2978 Woodhill
†Vahan Foundry Co., 7000 Union av
*Variety Iron & Steel Works Co., Hamilton av & E 40th
*§Victor Brass Mfg. Co., 6813 Wade Park av
*Waldeck Anthony (Wire Dies, etc.), 7607 B'way
*Wallace Tractor Co. (Traction Engines)
†Walworth Run Foundry Co. (Warm Air Registers, Hdw. Specialties & Grey Iron Castings), 2488 W 27th N W
*Warner & Swasey Co. (Machine Tools, etc.), 5809 Carnegie av
*§Wellman Bronze Co. (Aluminum, Brass & Bronze Castings), 6017 Superior av
*†Wellman-Seaver-Morgan Co. (Cranes Rolling Mill, Ore & Coal Handling & Mining & Hydraulic Machy, 7000 Central av, S E
*†§Westinghouse Electric & Mfg. Co. (See Pittsburg, Pa.)
*†White Co. (Automobile, etc), 79th & St. Clair
*White Sewing Machine Co. (Sewing Machines), St. Clair & 79th
*Winton Engine Works (Gas Engines)
*†Winton Co. (Automobile Builders) Berea rd
*Wood & Spencer Co., 1930 E 61st
*Worden Tool Co. (Machine Knives), 1854 Scranton rd
§Wright K. L. Brass Fdry, 2397 W 38th

CLYDE — *Krebs Commercial Car Co. (Auto Builders)
COLDWATER—*†New Idea Spreader Co.
COLUMBIANA—*Banner Machine Co. (Machine Work)
Columbiana Fdry. Co.
*†§Columbiana Pump Co. (Pumps, etc.)
*†§Enterprise Co. (Steam Engines & Saw Mill Machinery, etc.)
*Theiss Henry
COLUMBUS—American Water Motor Co. (Water Motors)
*Atcheson Tool & Die Co.
Borger Bros. Co., 257 W Spring
*§Atlas Brass Foundry Co., 980 Park S.
†Bonney-Floyd Co. (Steel Castings)
*Brightman Mfg. Co. (Shafting Machinery & Polish Shafting)
*Brown Jno. W. Mfg. Co. (Lamps & Brass Fdrs.)
Buckeye Drill & Lathe Co., Marion rd
*§Buckeye Pump & Mfg. Co. (Pumps, etc.)
*†Buckeye Steel Castings Co. (Car Couplers, etc.)
*Buckeye Saw Mfg. Co. (Saws, etc.)
*Budd & Banney Mfg. Co., Chestnut & Water
*Cannon Die Tool & Machine Co., 86 W Lynn
†Carlisle & Schilling Bros., Poplar av & Henry
*Case Crane & Engineering Co. (Cranes, etc.)
*Ceramic Supply & Const. Co.
*†§Chase Foundry & Mfg. Co.( Industrial Cars, Trucks, etc., 2700 Parsons av. *See adv index at end of book*
§City Brass Works
*Columbus Anvil & Forging Co. (Anvils, Forging, etc.)
*Columbus Auto Brass Co. (Automobile Brasses, etc.), 769 N 4th
*Columbus Auto Parts Co., E Russell
*†§Columbus Brass Co. (Brass Fdra & Finishers, Plumbing Goods)
*See adv index at end of book*
*Columbus Die, Tool & Machine Co. (Dies, Tools, Special Machinery, etc.), 955 Cleveland av
*COLUMBUS FORGE & IRON CO. (Machinists & Forgings)
*See adv index at end of book*
†Columbus F'dry Co.
*Columbus Gas Engine & Machine Co., 303 Mt. Vernon av
*Columbus Heating & Ventilating Co. (Hot Air Furnaces, etc)
*†§Columbus Mach & Fdy Co.
*†Columbus Malleable Iron Co. (Malleable Iron Fdrs., etc.)
†Columbus Plow Mfg. Co. (Agrl. Implements), Davis av
*Columbus Scale & Repair Co., 142 W Long
*†Columbus Steam Boiler & Heater Co. (Boilers, Heaters, etc.)
*Columbus Steam Pump Works Co. (Steam Pumps)
Columbus Structural Steel Co.
*Columbus Wire & Iron Works Co.
*Eaton Machine Works (Repair Work of All Kinds), 37 S Scioto
†Elder & Henry
†Emrich C., 371 S Heigh
*§Federal Mfg. Co. (Gas Fixtures & Brass Finishers), 168 W Long
*Foster Gear Co., 246 Kaiser
*Franklin Die & Tool Co. (The)
*Hearn J. C. Machine Works (General Jobbing), 38 W. Swan
†Hertenstein M. Co. (Stoves & Ranges), 1409 S High
*§Hocking Valley Ry. Shops
*Hoover J. B. (Machinists & Surgical Instruments), 619 N Fourth
*Ideal Heating Co. (Machine Works), 16 E First av
*Jaeger Machine Co. (Concrete Machinery), 490 Dublin av
*†§JEFFREY MFG. CO. (Elevating & Conveying, Grain Elevator Appliances, Mining, Phosphate Mill, Power Transmission, etc.), 961 N Fourth *See adv index at end of book*
*Kilbourne & Jacobs Mfg. Co. (Plows, Trucks, Cart & Road Scrapers, etc.) *See adv index at end of book*
*†Kinnear Mfg. Co. (Rolling Steel Shutters, etc.)
*See adv index at end of book*
†§Lattimer Stove Co. (Stoves, etc.)
†Loudenslager H. Foundry Co., 465 S Canal
*Lowe Bros. Machine & Engine Works (Gasoline Engines, 1½ to 400 H. P.)
*McCallip Mfg. Co., 162 W. Naghten
†McDonald F'dry.
*Miller Machine & Mould Works
*Modern Tool, Die & Machine Co., 216-220 N Fourth
*New Favorite Mfg. Co. (Washing Machinery, etc.), 183 W Maple
†O'Brien Bros., 276 W Main
*Ohio Elevator & Machine Co.
*†§Ohio Malleable Iron Co. (Malleable Castings), 961 N Fourth

*§Ohio Pump & Brass Co. (All Pumps Brass and Bronze Castings, Cocks, etc.)
*†Ohio State Stove Co. (Stoves & Ranges)
*Ohlen Bishop Co. (Saws, etc.), 931 Factory
*†Peerless Stove & Mfg Co. (Stoves & Ranges)
†Poulton Edwin & Co. (Grey Iron Castings), 15 S Scioto
*Quad Stove Mfg. Co. (Gas Stoves & Ranges)
*†Ralston Steel Car Co. (Steel Cars of All Kinds)
*Rockey Co. (Pumps), 275 E Main
†Schaefer, Wm.
†Schreyer G. Co. (Furnace Mfrs.)
*Seagrave Co. (Fire Dept. Apparatus)
†Shilling Fdry Co.
†Simplex Foundry Co.
Standard Bolt Co.
*Sun Mfg. Co. (Coffee Mills, etc.)
*Superior Die, Tool & Machine Co. (Special)
*†United States Cast Iron Pipe & Foundry Co. (See Burlington, N. J.)
*Weinman Pump Mfg. Co. (Pumps & Air Compressors), 300 Spruce

COLUMBUS GROVE—*Benroth Bros.

CONNEAUT—*Burke Machine Tool Co. (Machine Tools)

CORNING—†Richardson Jno. (Iron Fdry., etc.)

COSHOCTON—*†Clow Jas. B. & Sons
*†Keagy & Lear Machine Co. (Carriage Axles & Special Machinery)
*†§King W. H.

CRESTLINE—*†Burch Plow Works Co. (Plows, Sewer Castings, etc.)
*†§Crestline Mfg. Co. (Seamless Brass Pump Cylinders, etc.)
*International Mfg. Co. (Grain & Seed Cleaners)
†Schill Bros. Co. (Steel Ranges, Furnaces, Castings, etc.)

CUYAHOGA FALLS—*†Falls Clutch & Machinery Co. (Power Transmitting Machinery, etc.)
Falls Engineering & Mach. Co.
*Falls Hollow Staybolt Co. (Staybolts, etc.)
†Ford F'dy & Heating Co.
†§Nute Foundry Co.
Vaughn Machinery Co. (Chain, Rubber, Wire Machinery, etc.)
*See adv index at end of book*

DAYTON—†Advance Foundry Co.
†American Foundry & Casting Co.
*Aughe Plow Co. (Plows, etc.)
*Barney & Smith Car Co. (Cars & Car Wheels, etc.)
*†Brownell Co. (Steam Engines, etc.)
*†§Buckeye Iron & Brass Works (Brass & Iron Fdrs. & Oil Mill Machy.)
*†Callahan W. P. Co. (Iron Fdrs. & Engines & Oil Mill Machy., etc.)
*Carroll Engineering Co.
†Christie B. B. (Stoves, etc.)
*City Engineering Co.
*City Machine & Tool Works
Computing Appliances Co. (Computing Lard Dispenser)
*Computing Scale Co. (Computing Scales)
†Cureton Wm. & Sons
*†§Davis Sewing Machine Co. (Sewing Machines, Grey Iron Castings & Forgings)
§Dayton Brass Castings Co.
§Dayton Bronze Bearing Co.
*†Dayton Castings Co.
*Dayton Electrical Mfg. Co. (Dynamos, etc.)
*Dayton Engineering Laboratories Co. (Auto Starters)
*Dayton Fan & Motor Co. (Fans, etc.)
Dayton Glove Iron Works Co.
Dayton Machine Products Co.
*†§Dayton Malleable Iron Co.
*Dayton Mfg. Co. (Brass Fdrs., Railroad Supplies, etc.)
*Dayton Moulding Machinery Co.
*Dayton Pipe Coupling Co. (Pipe Couplings, Saddles, Sleeves, etc.)
*Dayton Pitless Scale Co. (Scales)
*Dayton Pneumatic Tool Co. (Pneumatic Tools)
Dayton Reliance Tool & Mfg. Co.
Dayton Screw Co.
*Dayton Specialty Machine Co. (Machinists)
Dayton Stamping & Tool Co.
†*Dayton Standard Scale Co.
†Dayton Steel Foundry Co. (Electric Steel Castings)
Dayton Tool Co.
Delco Light Co.
§Dennick Wm. & Co. (Brass Fdrs.)
§Duriron Castings Co.
*§Eclipse Brass Foundry Co.
*Edgemont Machine Co. (Friction Clutches, etc.)
*Egry Register Co.
*Garrison Machine Works
*Gem City Machine Co.
†Gem City Stove Co. (Stoves, etc.)
Hawker W. S. Mfg. Co., 458 E. Bacon
§Hoban Brass Foundry Co.
*Huffman Recording Pump Co.
*†International Clay Machinery Co.
*†Joyce-Cridland Co. (Hydraulic Lever & Screw Jacks, etc.)
*†Kramer Bros.' Foundry Co. (Iron Fdrs., Labeling Machines, etc.)
*†Kuhns Bros. (Cast Iron Fittings, etc.)
*Legler-Eilerman Co. (Machine Parts, Finished & White Metal Castings)
*Limler Machine Tool Co.
*Liberty Tool & Production Co.
*Lincoln Tool Co.
Lucas Miner Tool & Production Co. (Power Pumps, etc.)
§Miami Brass Fdry. Co. (Brass Fdrs.), Miami Engineering Co.
Miami Tool & Die Co.
Monarch Engng. Co., 230 E First
Montgomery Tool & Mfg. Co., 1st & Madison
Moore Eastwood Co., 116 E 4th
*§National Cash Register Co. (Cash Registers, etc.)
*North Side Tool Co., 17-19 Maryland av *See adv index at end of book*
*†§Ohio Rake Co. (Agrl. Implts. Sulky Rakes, etc.)
Ohio Tool Co.
*Ohmer Fare Register Co.
*†§Platt Iron Works Co. (Turbines & Machinery, etc.)
*Plocher Andrew Sons Co. (Forgings, etc.)
*Recording & Computing Machines Co.
Recording Devices Co.
*Roberts Geo. J. Co. (Water Motors Electric Pumps, etc.)
*Saunders James Co.
*†Seybold Machine Co. (Bookbinding Machinery)
*Sheffield Machine & Tool Co.
*Simonds A. A. & Son Co. (Planing Knives, etc.)
†Standard Foundry Co.
Standard Machine Co.
*Steiner M. & Co.
*Trimbach Geo. (Tools, etc.)
*Vaile-Kimes Co. (Water Motors)
*Vulcan Tool Co., 418 E First
*Weinman C. J. Co. (Machinists), 310 E 2d
*Wiedeke Gustav & Co. (Boilermakers' Tools, etc.)

DEFIANCE—*†Defiance Machine Works (Wood Working Machinery, etc.)
*Defiance Pressed Steel Co. (Metal Boxes)
*Turnbull Motor Truck & Wagon Co.

DELAWARE—*Cook Motor Co. (Gasoline Engines)
†Del. Fdry. & Mach. Co.
*Lugger F. W. & Son (Garage)
*Peerless Pattern & Machine Works

DELPHOS—†*Am. Road Machy. Co.
†Delphos Foundry

DENNISON—†Dennison Foundry & Machine Co. (Radiators & Foundry)

DESHLER—Deshler Fdry & Mach. Wks.
*†§Suber A. A.

DOVER—*†Dover Mfg. Co. (Sad Irons, etc.)
*†Hardesty Mfg. Co.
*†Wagner Bros.
*Willis G. W.

DOYLESTOWN—†§*Doylestown Agricultural Co.
§*Doylestown Aluminum Ware Co.
*†Seiberlin & Miller Co. (Mowers, Reapers, etc)

DRESDEN—†Doll Wm.

EAST LIVERPOOL—Bucher-Smith Co.
*Cain Machine Co.
*†§Patterson Fdry. & Machine Co. (Clay Working Machy., etc.)

EAST PALESTINE—†§*Adamson Mfg. Co.

ELMORE—*†Multiplex Concrete Machinery Co. (Concrete Block Machy.)

ELMWOOD PLACE — *†§Worthington Pump & Machinery Corp. (Laidlaw Works)
*See adv index at end of book*

ELYRIA—Anderson Tool Co., (Dies, Jigs, Enamelers, Special Machy.)
Colson Co. (Screw Machine)
*†Duplex Mfg. & Foundry Co. (Catch Basins & Sewer Castings)
†Elyria Foundry Co. (Grey Iron Casting, etc.)
*Elyria Machine Co.
*†Fox Furnace Co. (Stoves)
†§Garford Foundries Co.
*Superior Metal Products Co. (Special Dies, etc.)
*Weller Engineering Co. (Power Transmission, etc.)
*Western Automatic Machine Screw Co.

EUCLID—Armington Engng Co.
*See adv index at end of book*
*†Duplex Mfg. & Foundry Co. (Catch Basins & Sewer Castings)
*Euclid Crane & Hoist Co. (Electric Cranes, Hoists, etc)
*See adv index at end of book*

FAYETTE—*Smith F. L.

FINDLAY—*†Buckeye Traction Ditcher Co. (Trench Excavating Machy.)
*Electric Construction & Motor Co.
†Findlay Engineering & Mfg. Co.
*Hoppenberg Machine Co.
*†Marvin D. E.
†§Model Fdry. & Mach. Co.
*Went C. H.

FOSTORIA—†§Atlas Mfg. Co.
*Fostoria Machine & Tool Co. (Jigs & Fixtures, Drilling & Milling & Dies, Stamping)
Fostoria Pressed Steel Co.
*Fostoria Screw Co.
*"S.-C." Regulator Mfg. Co. (Valves, Regulators, etc.)

FREDERICKSTOWN—*†Foote J. B. Fdry. Co. (Bells & Hardware Specialties)
*†Zieg F. B. Mfg. Co. (Road Graders, Hdwe. Specialties, etc.)

FREEPORT—†*Freeport Fdry. Co.

FREMONT—*Christy Knife Co. (Knives, etc.)
*Clauss Shear Co. (Shears, etc.)
*Detroit Model Machine Co.
*†Fremont Stove Co. (Stoves)
*Herbrand Co. (Carriage Hardware & Forgings, etc.)
*§Hotz Foundry & Mfg. Co.
*§Lake Shore Elec. Ry. Co.
*†§Lehr Agricultural Co. (Cultivators, Harrows, etc.)
†Lincoln Stove Co. (Stoves, Ranges, etc.)

GALENA—*Hughes & Smythe (Corn Planters, etc.)

GALION—*†Freese E. M. & Co. (Brick & Drain Tile Machinery, etc.)
Galion Brass & Bronze Co.
*†§Gallon Iron Works & Mfg. Co. (Road Machinery)
*†§Gallon Iron Works & Mfg. Co. (Gas Engines, Culvert Pipe, etc.)
*Unckrich Machine Co.

GALLIPOLIS—†Thompson & Francis Stove Co. (Stoves)
†Treasure Stove Co. (Stoves)

GENEVA—*†§Champion Hardware Co. (Hardware Specialties, Brass & Comp. Castings)
*†Geneva Metal Wheel Co.
*Potter Mfg. Co. (Hdwe. Specialties)

GHENT—*Purdy Chester (Woodworking Mach, etc)

GREENVILLE — *†Ross Supply Co. (Stoves Ranges etc.)
*Wogaman Bros. Co. (Gas Engines)

HAMILTON—†American Foundry & Machine Co.
*American Frog & Switch Co. (Frogs, Switches, Switch Stands, Crossings, etc.)
*See adv index at end of book*
*†§Black-Clawson Co. (Paper & Pulp Mill, Special Machy. etc.)
*Central Motor Co. (Garage)
*Ceramic Machine Co.
*Columbia Machine Tool Co.
*†§Deuscher H. P. Co. (Grey Iron Castings)
*Duffey John (Jobbers)
*East Hamilton Tool Co.
*†Estate Stove Co. (Stoves, Ranges, etc.)
Ford Motor Co. (Tractor Division)
*General Repair Machine Shop
*Hamilton Autographic Register Co. (Registers, etc.)

OHIO—Hamilton—continued.
*Hamilton Caster Mfg. Co. (Casters, etc.)
*†Hamilton Copper & Brass Works (Brewing & Distilling Apparatus, etc.)
*†Hamilton Foundry & Machine Co.
*†Hamilton Machine Tool Co. (Machine Tools)
*Herring-Hall-Marvin Safe Co. (Bank Vaults & Safes, etc.)
*†§**HOOVEN OWENS RENTSCHLER CO.** (Steam Engines, Grey Iron Castings, etc.)
*See adv index at end of book*
*Krauth & Benninghofen (Machinists)
*Liberty Machine Tool Co.
*†Long & Allstatter Co. (Agrl. Implts. & Punching & Shearing Machy)
*Mid-West Tool & Mfg. Co.
*Mosler Safe Co. ( Bank Vaults & Safes, etc.)
*†§Niles Tool Works Co. (Machine Tools, etc.).
*Phoenix Caster Co. (Furniture Casters)
*Triumph Laundry Machinery Co. (Laundry Machinery)
*West Side Motor Co. (Motors, etc.)
HARRISON—*†Campbell Bros. Mfg. Co. (Agrl. Implts., Corn Drills, etc.)
HILLSBORO—*†§Bell C. S. Co. (Cane & Feed Mills, Stoves, Farm Bells, etc.)
*†§Gross-Feibel Co. (Safes, etc.)
IRONTON—*Belfront Iron Works Co. (Machine Shop for Use of the Company)
†Foster Stove Co. (Stoves)
*†Ironton Engine Co.
*†§Ironton Punch & Shear Co. (Punching & Shearing Machines)
JACKSON—*†§Crown Pipe & Foundry Co. (Cast Iron Pipes, etc.)
*†Jackson Mfg. Co. (Garden Plows, etc.)
JOHNSTOWN—*Rusler H. B. Mfg. Co.
JUNCTION CITY—*Lidderdale A. E. (Jobbing)
KENT—*Falls Rivet Co.
*†Kent Machine Co. (Concrete Machinery, etc.)
*§Miller J. B. Keyless Lock Co. (Locks)
KENTON—Champion Engineering Co.
*See adv index at end of book*
*Dow Jas. M. (Machinist)
*†§Kenton Hardware Co. (Iron & Steel Toys, etc.)
*Ohio Machine Tool Co. (Machine Tools, etc.)
KILBOURNE—*Scott Bros.
KINSMAN—*†§Kiddle Richard H.
LANCASTER—*†§Alten's Fdy. & Machine Works
*†Eagle Machine Co. (Ag'l Implts.)
*†§Hocking Valley Mfg. Co. (Ag'l Implements, etc.)
LEETONIA—*†Crescent Mach. Co. (Wood Working Machy.)
†Fabricated Steel Products Corp. (Blast Furnace Work, etc.), Box 505. *See adv index at end of book*
LEIPSIC—*†Temco Electric Motor Co. (Electric Drills & Motors)
LEXINGTON—Cureton Wm. & Sons, Richland Co.
*Lexington Instrument Works, Richland Co.
*Smith Gas Engng Co. (Suction Gas Producers), Richland Co.
LIMA—*Buckeye Machine Co. (Gas Engines)
†Chalmers Mfg. Co.
*†§East Iron & Machine Co. (Asphalt Paving Plant Machy., Builders' Iron Work), 351 E Market
*†Golley & Finley Iron Works
§Lima Brass Fdry.
*†Lima Locomotive Corp. (Locomotives, etc.), 106 3d
†Lima Metals Foundry Co.
*†Ohio Steel Foundry Co. (Steel & Vanadium Castings)
*Vicary Geo. S.
*Steiner Bros.
LISBON—*Wright Mfg. Co. (Chain & Portable Hoists, etc.)
LOGAN—*†§Logan Foundry & Machine Co. (Plows, etc.)
LORAIN—*†American Shipbuilding Co. (See Cleveland, O.)
*Brunk Machine & Forging Co.
*†Hoffman Heater Co. (Heaters, etc.)
§Lorain Brass & Bronze Foundry Co. (Brass & Bronze Castings, etc.)
*§Lorain Casting Co. (Iron & Brass & Semi-Steel Castings, etc.)
*National Stove Co. (Am. Stove Co.) (Stoves, Heaters & Ranges)
*Thew Automatic Shovel Co. (Steam Shovels, etc.)
LOUDONVILLE—*Sprang Wm.
LOUISVILLE—§*Louisville Fdry. Co.
*Louisville Machine Mfg. Co.
LUDLOW FALLS—*Duncan Bros. & Wray Co. (Floor Scrapers, etc.)
LYNCHBURG—*Kesler John A.
MADISON—*†Genung C. W. (Ag'l Implements)
MALTA—*†Brown-Manly Plow Co. (Ag'l Implements, etc.)
MALVERN—Keffler Bros. (Jobbing)
MANSFIELD—*†Aultman & Taylor Machinery Co. (Ag'l Implts., Traction Engines, etc.)
*†§Barnes Mfg. Co. (Pumps, etc.)
§Buckeye Tempered Copper & Brass Co.
*†Eclipse Stove Co. (Stoves)
*Hartman Electrical Mfg. Co. (Electrical Specialties)
*Hughes-Keenan Co. (Structural Steel etc.)
*†§Humphryes Mfg. Co. (Pumps, Cocks & Bibbs, etc.)
*Ideal Electric & Mfg. Co. (Generators, Motors, etc.)
*Lean Roderick Mfg. Co. (Harrows, etc.)
Mansfield Brass Foundry
*Mansfield Specialty & Machine Co.
*New Method Co. (Gas Stoves, etc.)
*North American Watch Co.
*§Ohio Brass Co. (Electric Railway & Steam Specialties)
*See adv index at end of book*
*†Phoenix Electric Co. (Electric Motors) *See adv index at end of book*
*Superior Brass Mfg. Co.
*Taylor Disc Machine Co.
§*Triumph Valve Mfg. Co.
MARIETTA—*Cline Edw. W.
*Leidecker Tool Co. (Well Drilling Machinery, etc.)
*†§Pattin Bros. Co. (Steam Engines & Grey Iron & Brass Castings)
*Salzman G. O.
*Star Machine Co.
MARION—†Am. Malleable Casting Co.
†*Blockson Bros. Construction Co.
*Commercial Steel Casting Co.
*†§Fairbanks Steam Shovel Co. (Steam Dredges, etc.)
*†§Huber Mfg. Co. (Ag'l Implts., Engines, etc.)
*†Marion Steam Shovel Co. (Dredging, Excavating, etc.), P. O. Box 505
*Osgood Co.
*†§Power Mfg. Co. (Oil Engines)
*Titus Machine Co. (Drill Presses, Vises, etc.)
MARTIN'S FERRY—*†Beam Jas. H.
*McDermott P. J. (Machinery & Tools)
†Spence-Baggs Stove Co. (Stoves, etc.)
*Stanton Heater Co. (Furnaces, etc.)
MARYSVILLE—§Regent Brass Co.
MASSILLON—*†§Griscom-Russell Co. (See New York, N. Y.)
*See adv index at end of book*
*†Hess-Snyder Co. (Pumps & Stoves)
†*Massillon Aluminum Co.
*Massillon Foundry & Machine Co. (Steam Hammers, Punching & Shearing Machy.)
†Massillon Steel Casting Co.
*Reynolds Machine Co.
*†§Russell & Co. (Engines, Threshers & Saw Mills)
MECHANICSBURG — *Packham Crimper Co. (Sheet Metal Workers' Machinery)
MEDINA—†Medina Fdry. Co. (Castings, etc.)
*Medina Machine Co.
MIAMISBURG—§Allen Machine Works (Specialties)
Miami Foundry Co., (Grey Iron Castings)
MIDDLETOWN—*†American Rolling Mill Co.
*Barkelew Electric Mfg. Co. (Electrical Specialties)
*†Miami Cycle & Mfg. Co. (Bicycles, Motorcycles, etc.)
*Shartle Bros. Machine Co. (Paper Mill Machinery)
*Willard-Middletown Machine Co. (Power Presses, Gas Engines, etc)
MILAN—*Curtis Machine Co. (Thresher Parts)
MILLERSBURG—*Gadfield C. L. (Garage)
†Millersburg Fdry. & Machine Works
MINERAL RIDGE—*†§Mineral Ridge Mfg. Co. (Steam Hoists, etc.)
MINERVA—*Jobes Emmor W.
*Minerva Hardware Mfg. Co. (Builders' Hardware, Hardware Specialties, Grey Iron Castings, etc.)
MINSTER—*Dues J. J. Machine Co. (Garage, etc.)
*†§Minster Machine Co. (Power Transmitting, etc.)
MONTPELIER—*†Wingert Foundry & Furnace Co.
MORRAL—*Morral Bros. (Canning Machinery)
MOUNT GILEAD—†§Hydraulic Press Mfg. Co. (Presses, Sugar Mills, etc.)
*See adv index at end of book*
*Kelly Foundry & Machine Works (Jobbing)
MOUNT STERLING—*Carter Wire Fence Mach. Co. (Fence Mach.)
MOUNT VERNON—†Black Furnace Co.
*Brewer J. H. (Jobbing)
*†§Cooper C. & G. Co. (Corliss & Rolling Mill Engines, Condensers, Fly Wheels & Heavy Castings, etc.)
*Mount Vernon Bridge Co. (Structural Steel Work)
Mount Vernon Foundry & Engineering Co.
NAPOLEON—†Heller-Aller Co. (Wind Mills, Gasoline Engines, etc.)
*†Ragan-Brown Lange Co. (Engines, etc.)
NEWARK—*American Machine Co.
*†§B. & O. R. R. Shops
§Blair Motor Truck Co.
*Jewett Car Co. (Car Builders, etc.)
*†McNamar Machine Works
†Newark Casting Co.
†§*Newark Stamping & Fdry. Co.
*†Scheidler Machine Works Co. (Engines, etc.)
*Shepherd M. L.
†Simpson Fdry. Co.
*Simpsons Garage & Machine Co.
*†§Wehrle Co. (Stove Mfrs.)
NEW BREMEN — *Poorman O. O. Co. (Presses, etc.)
NEW COMERSTOWN—*†§Clow Jas. B. & Sons, (See Chicago, Ill.)
*Rex File & Saw Co. (Files, Saws, etc.)
§Sterling Specialty Co.
NEW LEXINGTON—*†Star Mfg. Co. (Agricultural Implements, Wheels, Mine Cars, Feed Grinders, etc.)
NEW LONDON — *†Arnold-Creager Co. (Brick & Clay Machy.)
Tom Thumb Carbureter Co. (Carbureters)
NEW MADISON—*Hill Mfg. Co.
NEW MATAMORAS — *Stover Machine Works
NEW PARTAGE—†Sem-Steel Fdry. Co.
NEW PHILADELPHIA—Buckeye Tool & Machine Co.
*†Ladel Mfg. Co.
§Rathe Brass & Aluminum Co.
†§*Sharp C. J. Mfg. & Supply Co.
*Wise-McClung Mfg. Co. (Vacuum Cleaners)
NILES—*†§Globe Foundry & Machine Works
*†Niles Mine & Mill Supply Co.
*§Youngstown Steel Car Co. (Car Builders, etc.)
NORTH BALTIMORE—*Exline & Son
NORTH CANTON—§*Hoover Suction Sweeper Co.
NORTH FAIRFIELD — †Fairfield Plow Works (Plows)
NORWALK—*Frederick Machine Works (Emery Grinders, Countershafts, etc.)
*Miller Anchor Co. (Anchor & Chains, etc.)
*Norwalk Drilling Tool Co. (Heavy Forgings, etc.)
†Norwalk Foundry Co. (Iron & Brass Castings)
NORWOOD—(See Cincinnati, O.)
OAK HILL—*†§Oak Hill Foundry & Machine Works
OAKLEY—†Modern Foundry Co. (Castings), 4601 Marburg
*†Williamson Foundry Co. (Heating Apparatus), Marburg av
†Woodward Mach. Co.

OBERLIN—*Ohio Road Machinery Co. (Road Machinery, etc.)
ORRVILLE—†§Foundries Co.
*†Sanderson-Cyclone Drill Co.
OTTAWA—*Todd Bros.
OVERPECK—†Buckeye Mfg. & Foundry Co.
PAINESVILLE—*Blackmore John (Machinist)
*†Coe Mfg. Co. (Veneer Machinery)
*Ohio Mfg. Co., P. O. Box 136
*See adv index at end of book*
PEEBLES—*†§Suffron C. E. (Castings & Jobbing)
PIQUA—*†Bowdle Bros. (Castings & Jobbing)
*Champion Paper Cutter Co. (Paper Cutters)
*†§Favorite Stove & Range Co. (Gas Stoves & Ranges)
†French Fdry. Co.
*French Oil Mill Machinery Co. (Oil Mill Machinery, etc.)
*Wood Shovel & Tool Co. (Shovels, etc.)
PLYMOUTH—*†§Fate-Root-Heath Co.
POMEROY—*†§Pomeroy Machine Co.
PORTAGE—*Laramore O. O.
PORTSMOUTH—*Central Machine Electrical Repair Shop
*Heer Engine Co. (Traction Engines)
†Neill Geo. W.
*Mitchell Mfg. Co.
†Ohio Stove Co.
*†§Portsmouth Stove & Range Co. (Stoves, etc.)
*Simpson Bros. (Brick Makers' Machinery)
†§*Whitaker-Glessner Co.
PROSPECT—*Prospect Mfg. Co. (Chemical Fire Engines, etc.)
RAVENNA—*†Browning Co.
*†§Ryers John F. Machine Co. (Hoisting Machinery, etc.), 242 So. Sycamore *See adv index at end of book*
†Ravenna Furnace & Heating Co.
†§Ripley Fdry. & Mach. Co.
United Roll & Foundry Co.
*†Williams A. C. Co. (Sad Irons, etc.)
ROCKFORD—*Coppersmith J. M.
ROSSFORD—*Ford Edw. Plate Glass Co.
SABINA—*Sabina Pump Co.
*Clinton Mfg. Co. (Pumps)
ST. MARYS—*Lawter Tractor Co.
Quickwork Co. (Rotary Shears, etc.)
SALEM—*†§Buckeye Engine Co. (Steam & Gas Engines & Grey Iron Castings)
*§Clark W. J. Co.
*Davis M. & Sons (Electrical Machinists)
*†§Deming Co. (Pumping Machy., etc.) *See adv index at end of book*
*Mullins Body Corp., 341 Franklin
†National Sanitary Co. (Enameled Iron Bathtubs)
†Pittsburgh Foundry & Machine Co. (See Pittsburgh, Pa.)
*Salem Tool Co.
*†Silver Mfg. Co. (Blacksmiths' Drills & Agrl. Implts., etc.), No 256
†Victor Stove Co. (Stoves)
SALINEVILLE—*Rice John (Jobbing)
*Salineville Model & Machine Works
SANDUSKY—*§Bay View Foundry Co.
*Brightman Nut & Mfg. Co.
*†Brown Clutch Co. (Pulley Clutches, Grey Iron Castings, etc.)
†§Farrell-Cheek Steel Foundry Co. (Steel Castings)
†G. & C. Foundry Co.
*†§Klotz Machine Co. (Handle & Wine & Cider Making Machinery, & Iron & Brass Fdrs.)
*Mack Iron & Wire Works Co. (Architectural & Ornamental Iron & Steel)
*Matthews Engineering Co.
*Ohio Motor Co. (Gasoline Engines)
*Roberts Motor Co. (Marine Motors, etc.)
*§Sandusky Foundry & Machine Co.
Sandusky Nut Co.
*Sandusky Tool Co.
*Vim Motor Co. (Gasoline Engines)
SEBRING—§Aluminum Foundry Co.
*Hall Machine Works
†Sebring Fdry. Co.
SEVILLE—*†§Overholt Mach. Co.
SHELBY—*Chicago Handle Bar Co. (Bicycle Handle Bars)
*Shelby Spring Hinge Co. (Steel, Brass & Bronze Hardware)
*Standard Mfg. Co. (Hardware Specialties)
SIDNEY—*American Steel Scraper Co. (Road Scrapers)
*Eclipse Machine Co. (Paper Folding Machines)
*Mentges Folder Co. (Paper Folding Machines)
*Monarch Machine Tool Co. (Engine Lathes)
*Peerless Bread Machine Co.
*Pioneer Pole & Shaft Co. (Poles & Shafts)
*Sidney Steel Scraper Co. (Drag & Wheel Road Scrapers, Barrows, etc.)
*Sidney Machine Tool Co. (Woodworking Machy, etc.)
*Slusser-McLean Scraper Co. (Road Scrapers)
*†Smith Philip Mfg. Co. (Grain Elevator Machinery)
*†§Wagner Mfg. Co. (Enameled & Aluminum Hollow Ware)
*Whipp Machine Tool Co.
SPENCERVILLE—*Foster Tobias
*Redick Jos. H.
SPRINGFIELD—*†American Radiator Co. (See Chicago, Ill.)
*†American Seeding Machine Co. (Agrl. Implts.)
*Automatic Metal Products Co.
*†Bauer Bros. Co. (Oil & Feed Grinding Mill Machinery, etc.), Bauer bldg
*Bauroth Bros. (Gas & Gasoline Engines)
*†Bayley Wm. Co. (Builders, Iron Work, Special Machinery, etc.)
*Bowlus Mfg. Co. (Joist-Drills, etc.)
*Buffalo Springfield Roller Co. (Road Rollers, etc.)
*Casey D. L. Machine Co. (Engines, Boilers, etc.)
*§Central Brass & Fixture Co. (Brass Goods)
*†§Duplex Mill & Mfg. Co. (Feed Mills, etc.)
Eagle Engng. Co.
*†Fairbanks Co. (Piano Plates, Castings, etc.)
*Foos Gas Engine Co. (Gas Engines), 800 Monroe
*†French & Hecht (See Davenport, Ia.)
*†Grey Iron Casting Co. (Grinding Mills, Castings, etc.)
†Hennessey Foundry Co. (Grey Iron Castings)
*Hoppes Mfg. Co. (Feed Water Heaters, etc.)
*Igou Mfg. Co. (Wrapping Machines)
*Indianapolis Switch & Frog Co. (Frogs, Switches & Crossings, etc.)
*†International Harvester Co. (See Chicago, Ill.)
*†Kelly O. S. Co. (Piano Plates, etc.)
*Kelly-Springfield Motor Truck Co. (Motor Trucks)
*Lagonda Mfg. Co. (Boiler Flue & Tube Cleaners, Valves etc.)
*†Leffel Jas. & Co. (Turbine Water Wheels & Engines, etc.), East st
*†Mast, Foos & Co. (Windmills, Force Pumps, Lawn Mowers, etc.)
*Mentels The (Gas Heating Stoves for Natural & Artificial Gas, etc.)
*Miller Improved Gas Engine Co. (Heavy Duty Gas Engines)
*§Nolte Brass Co. (Brass Fdrs. & Finishers)
Ohio Steel Fdry. Co.
*†Patric Furnace Co. (Hot Air Furnaces)
*Peters E. E. Machine Co. (Jobbing)
*Reed Mfg. Co. (Rug Looms, etc.)
*†Robbins & Myers Co. (Dynamos, Motors, Electric Fans) 1400 Lagonda av.
*Roberts Thomas (Feed Mills, etc.)
*Rodgers Geo. G. (Machinist)
*†Ross E. W. Co. (Fodder Cutters, etc.)
*Safety Emery Wheel Co. (Tools & Emery Grinders, etc.)
*Shauver Co. (Auto Accessories & Wood Working Machinery)
*§Springfield Brass Co. (Brass Fdrs. & Finishers)
*†Springfield Machine Tool Co. (Lathes, Presses, etc.)
†Springfield Malleable Iron Co.
*†Superior Gas Engine Co. (Gas & Gasoline Engines)
*Superior Mfg. & Mill Co. (Gas Engines, etc.)
*†Thomas Mfg. Co. (Agrl. Implts., etc.)
*Thompson Grinder Co. (Grinding Machy., etc.)
*†Trump Mfg. Co. (Engines, Water Wheels & Transmitting Machy.)
*Webster & Perks Tool Co. (Machine Tools, etc.)
†Western Fdry. & Mfg. Co.
*Western Tool & Mfg. Co. (Tool Holders, Mandrels, etc.)
†Wickham Piano Plate Co. (Piano Plates & Piano Hdw.)
STEUBENVILLE—†Irwin R. J.
*†§La Belle Iron Works (Iron & Steel Castings & Machine Shops)
*†Ohio Foundry & Mfg. Co. (Grates, Castings, etc.)
SWANTON—*†§Baker A. D. Co. (Traction Engines)
*Pilliod Co. (Valves, etc.)
TIFFIN—*Hanson Clutch & Machinery Co. *See adv index at end of book*
*Keller Andrew
*†Loomis Machine Co. (Well Boring & Drilling Machy.)
*†National Machinery Co. (Bolt & Nut & Rivet Machy., etc.)
*†Sterling Grinding Wheel Co. (Emery Wheels & Emery Wheel Machy.)
*†Tiffin Wagon Co.
TILTONSVILLE — †*Wheeling Sanitary Mfg. Co.
TOLEDO—*A. F. S. Machine Co., 531 S St. Clair
Air-way Co., 1501 W Bancroft
†Am. Fdry. Co.
*American Metal Wheel & Auto Co.
*American National Co.
*Arrow Mfg. Co. (Generators & Motors), 618 Broadway
*Art Iron & Wire Works
*Asphalt Block Pavement Co.
§*Ayling & Reichert Co.
*†Baker Bros. (Tapping & Boring Machines & Woodworking Machy)
*Banting Machine Co. (Agrl. Implts., etc.)
*Bauroth E. F.
*Beckman, L. Co.
†Belmont Fdry.
*Bissell F. Co. (Electrical Specialties, etc.)
B. J. Stamping Co. (The), 1435-27 Dorr *See adv index at end of book*
*Braunschweiger Bros. (Special Machinery, Tools, etc.)
*§Bunting Brass & Bronze Co. (Bronze Bearings & Brass Castings), 738 Spencer. *See adv index at end of book*
*Candy & Nut Machine Co. (Vending Machines)
§Central Brass Foundry
Central Machine & Tool Co.
†City Foundry Co.
City Machine & Tool Co., Toledo Factories bldg
*Conrad Frank J. (Garage)
Consolidated Mfg. Co. (Forgings, Tubings, etc)
*Consolidated Pump Co.
*De Mers Magloir
*De Vilbiss Mfg. Co. (Paint Spraying Machines)
***DIE CASTING COMPANY OF OHIO (The)** *See adv index at end of book*
§*Doehler Die Casting Co.
†Donovan Wire & Iron Co. (Grey Iron Castings), Chicago & W. & L. E. Ry.
†Ensign Foundry Co. (Iron Founders)
Etna Machine Co.
Fanger Beet Harvester Co., 421 Michigan
†Gartland Toledo Fdry. Co.
*Gendron Wheel Co. (Bicycle Wheels)
General Machine Co., 3440 Summit av
*Gogel Mfg. Co. (Tuyere Iron Heaters, Fifth Wheels, etc.)
*Grasser Motor Co. (Gas Engines)
*Haughton Elevator & Machine Co. (Elevators, etc.), 679 Spencer.
*Heartley Machine Variety, Iron & Tool Works, 900 Summit
*Jaxon Co., 1010 Jackson *See adv index at end of book*
*Jones S. M. Co. (Gas Engines & Oil Well Supplies)
*Kent-Owens Machine Co. (Machinists)
*Landis E. M. & Co. (Gas Engines, etc.)

OHIO—Toledo—continued.
*Lober Radiator & Mfg Co., 128 11th
*McNaull Boiler Mfg. Co. (Tanks, etc.)
†Maumee Malleable Castings Co.
*§Merrell Mfg. Co. (Pipe Cutting & Threading Machinery, etc.), 278 Curtis
*†§Milmine H. B. & Co. (Iron Fdrs., etc.)
*Moore C. H. (Edge Tools, etc.)
†National Malleable Castings Co. (See Cleveland, O.)
*†§National Supply Co. (Oil Wells Supplies, etc.)
*O'Neill Machine Co.
*Pixley Safe Co. (Safes, etc.)
*†Rathbun-Jones Engineering Co. (Gas & Oil Engines), 841 Spencer
*Refrigeration Engineering Co.
§Riddle Edward N. (Gas & Electric Fixtures, etc.)
Rush Tool Co., 1305 Dorr
*Schindler, Chas.
*§Seeger Valentine (Brass & Comp. Castings)
*§Seiss Mfg. Co. (Iron & Brass Specialties)
*Shaw-Kendall Engineering Co.
Standard Electric Stove Co.
*Sterling Cork & Seal Co. (Mfr. Machinery)
*Stitt Robert G. (Oil & Gas Well Supplies)
*Toledo Auto Motive Products Co., 2240 Smead av
§*Toledo Brass & Iron Wks.
§Toledo Brass & Novelty Works (Brass & Comp. Castings)
*Toledo Bridge & Crane Co. (Cranes, Structural Iron Work, etc.), 2500 Dorr *See adv index at end of book*
*§Toledo Chandelier Co., 129 Huron
†Toledo City Fdry.
*†Toledo Foundry & Machine Co. (Steam Shovels, Castings, Engines, Dredging Machinery, etc.)
*†Toledo Machine & Tool Co. (Punching & Shearing Mach'y, Power Presses, Power & Drop Hammers, etc.)
*Toledo Mfg. & Supply Co. (Brass Goods)
Toledo Metal Manufactures Co., Michgan
*See adv index at end of book*
*Toledo Metal Wheel Co. (Bicycles, Metal Wheels, etc.)
*Toledo Pipe Threading Machine Co. (Pipe Threading Machines, Dies, etc.), 1440 Summit
*Toledo Saw & Supply Co. (Saws, etc.)
*†§Toledo Ship Building Co. (Ship Builders, Engines, Brass & Grey Iron Castings)
*†Toledo Steel Casting Co.
Toledo Steel Products Co., Summit
†Toledo Stove & Range Co. (Stoves, Ranges, etc.)
Toledo Tap & Die Co., Clinton
*†§U. S. Malleable Iron Co. (Malleable Iron Castings, etc.)
*Utility Tool & Die Co., 2942 Monroe
*Watson Mfg. Co. (Machines)
*§Willys-Overland Co.
Wine Railway Appliance Co. (Side Bearings, Car Ventilators & Ladders)
*Yost Electric Mfg. Co. (Lamp Sockets, etc.)
TORONTO—*†Toronto Fdry. & Machine Co.
TROY—*Hobart Mfg. Co. (Electric & Gasoline Coffee Mills & Meat Choppers, etc.)
*Kelly Machine Co.
†Star Fdry. Co.
*§Troy Carriage Sun Shade Co.
TYRRELL—*Tyrrell A H. & Son (Iron Fdrs.)
UPPER SANDUSKY—*†§National Steam Pump Co.
*†Ohio Mfg. Co. (Agrl Implts, etc)
URBANA—*§Desmond-Stephan Mfg. Co. (Injectors, etc.)
*†Illinois Car Co. (Cars, etc.)
UTICA—*Cree J. A.
VAN WERT—Advance Machinery Co.
*†§Spayd Bros.
VERMILION—*§Wakefield F. W. Brass Co. (Lighting Fixtures)
WADSWORTH—*†§Ohio Injector Co. (Boiler Injectors, etc.)
WAPAKONETA—*Krein Mfg. Co.
*New Wapakoneta Wheel Co. (Wood Wheels)
*Schemmel George C.
*†Wapak Hollow Ware Co.
*Wapakoneta Machine Co.
WARREN—*†§Aetna Fdry. & Machine Co. (Tin & Sheet Mill Machy. & Castings)
*Alloy Electric Steel Casting Co.
American Block & Mfg. Co.
†General Malleable Co. (Malleable Iron & Steel Castings)
*†McMyler Interstate Co. (Dock Equipment)
Packard Electric Co. (Electrical Specialties)
*Peerless Electric Co. (Dynamos & Motors)
*Sterling Electric Lamp Works of G. E. Co. (Electrical Specialties)
Sterling Motor & Machine Co.
Supreme Motor Corp.
*†Trumbull Mfg. Co. (Castings, etc.)
*Winfield Mfg. Co.
WASHINGTON C. H.—Ortman Motor Co.
WAUSEON—†Pultz Chas.
*†Red, King Co. (Windmills, etc.)
*Schlitz Philip
WELLINGTON C. H.—*Sterling Machine & Stamping Co. (Auto Accessories)
*†Wellington Machine Co. (Brick Machy., etc.)
WELLSTON—*Morrow Mfg. Co. (Mining Machinery, etc.)
WELLSVILLE—*†Menough Foundry Co. (Grey Iron Steel Castings)
*†§Stevenson Co. (Brick Machy., etc.)
WESTERVILLE—*Bennet H. L. & Co. (Stump Pullers)
*†Hance J. W. Foundry Co. (Grey Iron Castings, etc.)
WEST LAFAYETTE—*D. & J. Co. (W. W. Dyser, Prop.)
WEST MANCHESTER—*Parks C. M. (Machinery Mfrs.)
WEST UNITY—*National Mfg. Co. (Grain Separators)
WICKLIFFE—*Cleveland Brick Machinery Co. (Brick Machinery)
*Cleveland Crane & Engineering Co. (Cranes & Hoists)
WILLOUGHBY—*†§American Clay Machinery Co. (See Bucyrus, O.)
WILMINGTON—*Champion Bridge Co. (Structural Steel Work, etc.)
*Farquhar Furnace Co. (Hot Air Furnaces)
*Irwin Auger Bit Co. (Auger Bits, etc.)
*Turnbull Mfg. Co.
†Wilmington Casting Co.
WOODSFIELD—*Loffland Bros.
*Curtis & Haire
WOOSTER—§Buckeye Aluminum Co.
*†Woodward Machine Co. (Steam Pumps, etc.)
†Wooster Machine Co.
XENIA—*†Kelly R. A. Co. (Shaping Machines, Machine Tools, etc.)
YOUNGSTOWN—§*Erb C. F.
§Falcon Bronze Co. (Brass & Bronze Castings, etc.)
*Fitzsimons Co. (Polished Steel Shafting)
*General Fireproofing Co. (Steel Products)
*McKay Geo. G. (Machine & Job Work)
*†§Mahoning Foundry Co. (Brass, Bronze & Small Grey Iron Castings)
*Pollock Wm. B. Co.
*†Republic Iron & Steel Co. (Grey Iron Castings, All Consumed by Co. also Machine Shop)
*See Branch Offices Alphabetical Section*
*†United Engineering & Foundry Co. (Rolling Mill Machinery & Castings). (See Pittsburgh, Pa.)
*†Wilkoff Co.
*Youngstown Boiler & Tank Co.
*†Youngstown Foundry & Machine Co. (Rolling Mill Machinery)
*Youngstown Furnace Co. (Malleable Iron Castings)
*†Youngstown Sheet & Tube Co.
*Youngstown Wire & Iron Co. (Fire Escapes, etc.)
ZANESVILLE—*Brown Mfg. Co. (Plows, Agrl. Implts., etc.)
*Columbia Machine Co.
*†§Dockary H. V. Brass & Iron Co.
*†§Griffith & Wedge Co. (Engines, Saw Mill Machy., etc.)
*†Jones Chas H. (Stoves, etc.)
*Weller Samuel A. (Chemical Engines)
†Weidig Foundry Co.
†Zanesville Malleable Co. (Malleable Iron Fdrs.)
*Zanesville Mould Co.

## OKLAHOMA.

ALVA—*Bickel T. W.
ARDMORE—*§Jones-Everett Machine Co.
BARTLESVILLE—*†§Larkin J. J. (Oil Well Tools)
†§Osage Fdry. & Mach. Co.
*†§Union Machine Co.
BLACKWELL—*Paine O. R.
DEWEY—*Dewey Mfg. Co.
DURANT—*†§Durant Machinery & Iron Works
EL RENO—*†§El Reno Foundry & Machine Co.
ENID—*†§Enid Fdry & Machine Co.
*Kingham R. L.
*Young John A. Machine & Supply Co.
McALESTER—*†§Union Iron Works
MANGUM—*Boyle P. J.
MUSKOGEE—*†§Muskogee Iron Works
§Muskogee Pattern Wks.
*†Swanson Plow Co.
NOWATA—*†§Marion Machine, Fdry. & Supply Co.
*Vandivort Wm. M.
OKLAHOMA—†§*Fremont Motor Co.
†§*Klein J. B. Iron & Fdry. Co.
*†§Oklahoma City Foundry & Machine Co.
*Prest Machine Works Co.
*†§Sherman N. S. Machinery & Iron Works
*Southwest Mfg. Co.
OKMULGEE—†§*United Iron Wks. Co.
SAND SPRINGS—†§Tulsa Stove & Fdry. Co.
SHAWNEE—†§*Shawnee Fdry. & Mach. Shop
*†§Wilkinson J. C.
TULSA—*†Oil Well Improvement Co.
*†§Oklahoma Iron Works
†§*McEwen Mfg. Co.
Norris, W. C. (Oil Well Pumping Supplies)
*Robinson Packer Co.
*§Tulsa Machine & Tool Co.
*§Tulsa Stove Co. (Sand Springs)
WOODWARD—*Boyle Bros.

## OREGON.

ALBANY—*†Albany Iron Works (Flour Mill, Mining, etc.)
*†§Watson Bros. Iron Works
ASHLAND—*†§Ashland Iron Works
ASTORIA—*†Pacific Iron Works (Mining & Saw Mill Machinery, etc.)
*†§Scow Bay Iron & Brass Works
BAKER—†Gyllenberg J. A.
*McKim & Co. (Machinery)
BANDON—†§Rogers W. F. Fdry.
BEND—†§Huffschmidt-Dugan Iron Wks.
DALLAS—†§*Dallas Iron Wks.
EUGENE—†§*Eugene Iron Wks.
*†§Frazer G. N.
*†Gross Bros. (Fdrs. & Machinists)
GRANTS PASS *†§Grants Pass Iron & Steel Works
GRESHAM—†§*Beaver Motor Car Co.
MARSHFIELD—†§*Coos Bay Iron Wks.
*†§Nelson Iron Works.
MEDFORD—†§*Medford Iron Wks.
NORTH BEND—*†§North Bend Iron Wks.
OREGON CITY—†Oregon City Foundry
OSWEGO—*†Oregon Iron & Steel Co. (See Portland)
PENDLETON—†§*Empire Mfg. Co.
*†§Pendleton Iron Works
PORTLAND—*Bell & Wildman, 619 Yeshur
*Bullington Engineering Works, Union av & E Ankeny
*Cornfoot, Wm., 28 Albin av
§Elec. Steel Fdry.
*§Harpers Brass Works (Brass Composition, Bronze, Machinists, etc.), 106 N. 5th
*Harris Ice Machine Works, 174 E. Water
*†Hess-Martin Iron Works (Engineers, Fdrs. & Machinists), 434 Belmont
*Hicks Burt (Machinist), 350 E. Oak
*Hippely Edward, 224 Oak
*†Independent Foundry Co. (Grey Iron Castings, Structural Steel), 743 York

*Isensee Wm. & Co. (Machinist), 414 B'way
*†Leach Bros., 614 Hood
*§Oregon Brass Works (Brass Castings, etc), 73 No 2nd
*†Oregon Iron & Steel Co., Concord bldg. (Works: Oswego)
*†Pacific Iron Works (Builders' Iron Works & Castings)
†§*Peninsula Iron Wks.
*†§Phoenix Iron Works, E. 3d & Hawthorne
*†Portland Iron Works, 14th & Northrup
†Portland Stove Works (Stoves), 626 Hood
*Portland Wire & Iron Works, 2d & Columbia
*†Smith & Watson Iron Works, 412 Front
†Standard Fdry. Co.
*Trenkman B. & Co., 106 N. 4th
*Tuerck I. K.
†Tuerck & Mackenzie Machine Co., 160 E 3d
*†Vulcan Iron Wks. (Chas. F. Machen, Prop.), Foot of Flanders
*Webber J. A., 368 E. Washington
†*Wood-Ewing Iron Wks.
*†Wood John Iron Works Co., E. 8th & E. Alder
ST. JOHNS—†Pacific Stove & Range Mfg. Co. (Stoves, etc.)
*†Peninsula Iron Works
SALEM—*Maurer John, 342-344 Center
*†§Salem Iron Works
*Wilson O. J., 388 N. Commercial
THE DALLES—*†Kirk J. B.
TILLAMOOK—†§*Feeney & Bremer Co.

## PENNSYLVANIA.

ADAMSTOWN—*Shirk A. G.
ALLEGHENY—(See Pittsburgh)
ALLENTOWN*†§Aldrich Pump Co. (Rolling Mill Machinery, High Duty Pumping Engines, etc.)
Allentown Bobbin Works (Steel Bobbins)
*Allentown Experimental Works
*Bonney Vise & Tool Works (Vises, Tools, etc)
*See adv index at end of book*
*§Brey & Krause Mfg. Co.
†Daugherty Foundry Co. (Grey Iron Castings, Grate Bars, etc.)
*Excelsior Knitting Machine Mfg. Co. (Knitting Machinery)
*Grammes L. F. & Sons (Machinery Bldrs.) *See adv index at end of book*
*International Motor Co. (See New York City)
†*Kline Hdwe. Co.
*Kutz & Gift (Capsule Moulds, etc.)
§*Mack Bros. Motor Car Co.
*†Mosser W. F. & Son (Iron Fdrs., Cement Machinery, etc.)
*Nadig C. H. Mfg. Co. (Gasoline Engines, etc.)
§Sitter Harry
*†§Spangler Chas. (Grey Iron & Brass & Bronze Castings)
*Taylor Wm. H. & Co.
***†TRAYLOR ENGINEERING & MFG. CO.** (Mining Machinery). (See New York City)
*See adv index at end of book*
*§Vulcan Brass Works (R. Meisterknecht, Prop.)
ALTOONA—†§*Foster M. A. & Son
AMBRIDGE—*†§American Bridge Co. (Office, Pittsburg, Pa.)
ARDMORE—*Autocar Co.
ASHLAND—*†§Goyne Steam Pump Co. (Steam Pumps)
ATHENS—Athens Foundry Co.
*†§Ingersoll-Rand Co. (See New York City)
*See adv index at end of book*
†§McDonald's T. R. Foundry
AVONMORE—*†National Roll & Foundry Co. (Rolling Mill & Plate Glass Machinery, etc.)
BANGOR—*†§Flory S. Mfg. Co. (Iron Fdrs., Hoisting Engines, Stone & Slate Working Machinery, etc.)
BEAVER FALLS—†Howard Stove Co. (Stoves & Ranges)
Ingram-Richardson Mfg. Co.
*See adv index at end of book*
*†Keystone Driller Co. (Well Drilling Machinery, Pumps, etc.)
*See adv index at end of book*
*†Knott & Harker Co. (Iron Fdrs, Pottery Machinery, etc)
*†Murphy Foundry Co. (Iron Castings, etc.)
*†Penn Bridge Co. (Steel Bridges & Foundry & Machine Work)
*Standard Gauge Steel Co. (Finished Machine Keys, Compressed Steel Elevator Guards, etc.)
*†§Standard Scale & Supply Co. (See Pittsburgh, Pa.)
BEDFORD—†Cromwell W. F.
BELLEFONTE—*†Bellefonte Engineering Co. (Grey Iron Castings, Steam Hammers, etc.)
BELLEVILLE—*†§Hertzler & Zook Co.
BELLWOOD—*†Bellwood Mfg. Co. (Car & R. R. Castings)
Williamson J. E. Co.
BENROY—*†Strickler B. F. & Sons (Tobacco Scrap Machinery)
BERWICK—*†§American Car & Foundry Co. (See St. Louis, Mo.)
BERWYN—*†American Bronze Corp.
BESSEMER—*Carnegie Steel Co.
BETHLEHEM—*§Roller-Smith Co. (Electrical Instruments, etc)
BIRDSBORO—*†Birdsboro Steel Foundry & Machine Co. (Core Drills, Rolling Mill Machinery & Iron & Steel Castings, Turbine Castings, Marine Castings, Rock Crushers, Pressure Pumps, Presses, etc.)
BLAIRSVILLE—*†Blairsville Enamel Ware Co.
*Blairsville Machine Co.
†*Blairsville Sanitary Co.
*†Tittle C. L.
BLOOMSBURG—†*American Car & Fdry. Co.
*†Bloomsburg Car Mfg. Co.
*†Harman & Hassert
†§*Richard Mfg. Co.
BLOSSBURG—*†§Moore Thos. J.
BLUE BALL—*Shirk P. E. (Cigar Machines, etc.)
BOLIVAR—*†§Bolivar Foundry & Machine Co.
BOYERTOWN—Megerly Chas. O.
*Schlegel Daniel (Agrl. Implts.)
*†§Union Mfg. Co. (Sad-Irons, etc.)
BRACKENRIDGE—*†Allegheny Steel Co. (Machine Shop & Foundry for Own Use). Office: Pittsburg, Pa.
†West Penn Steel Co.
BRADDOCK—§Acheson Mfg. Co.
*†American Steel & Wire Co.
*†Braddock Mfg. Co.
*†§Carnegie Steel Co. (See Pittsburgh)
*†§McVay-Walker Co. (Sanitary Enameled Cast Iron Goods, Bath Tubs, etc)
†Sterling Steel Fdry. Co.
BRADFORD—*†§Bovaird & Co. (Engines, etc)
*†§Bovaird & Seyfang Mfg. Co. (Engines, Boilers, Pumps, Oil & Gas Well Supplies, Well Drilling Machinery, etc.)
*§Bradford Motor Works (Oil Well Supplies & Brass Castings)
*§Caldwell E. R. & Co. (Iron & Brass Fdrs., Steam Engines, Pumps & Oil Well Supplies)
*Combination Engine & Compressor Co. (Gas Driven Compressors, Gas Engines, etc.)
*†Custer Coupling Co. (Couplings, Clamps, etc.)
*†Dresser S. R. Mfg. Co. (Pipe Couplings, Packers' Clamps, Sleeves & Fillings, etc.)
†§*Fowler Fdry. Co.
*Ley Jno. (Oil Well Tools, etc.)
†§*Locke Mach. Wks.
*McElwaine Mfg. & Auto Co. (Gas Engines, etc.)
*Phillips David Co. (Oil Well Tools, etc.)
*Tuna Iron & Steel Works (Oil Well Tools)
BRAEBURN—Braeburn Steel Co. (Small Machine Shop for Own Use)
BRIDGEPORT—†§*Buch Fdry. Equipment Co.
*Gehret Bros.
BRISTOL—*Ardrey S. B. & Sons (Textile Machy., etc.)
†Harkins T. B. Foundry Co. (Stoves Furnaces, etc.)
*†Standard Cast Iron Pipe & Foundry Co. (Cast Iron Pipe & Castings)
BROOKVILLE—†*Jenks M. H.
BROWNSVILLE — *†§ Herbertson John Sons (Mine Cars, etc)
BRUNNERVILLE—*†Bentz Frank B.
BURNHAM—*†§Standard Steel Wks. Co. (Steel Castings, etc.). (See Phila., Pa.
BUTLER—*†Butler Car Wheel Co. (Car Wheels, etc.)
*†Butler Engine & Foundry Co. (Engines, etc.)
†Campbell J. G. & W. (Oil Well Supplies)
*†Evans Mfg. Co. (Ltd.) (Engines & Gas Well Supplies)
*Heeter C. M. Sons & Co. (Drilling & Fishing Tools, etc.)
*Kesselman & Co. (Oil Well Supplies)
*Larkin & Co. (Oil Well Tools, etc.)
*Masseth Packer & Machine Co. (Oil & Gas Well Packers, Pumps, etc.)
*Phillips T. W. Gas & Oil Co. (Oil Well Supplies)
*†§Pittsburgh-Hickson Co. (Brass & Iron Beds)
§Poole Brass Fdry. Co.
*Spang & Co. (Oil & Gas Well Supplies, Tools, etc.)
*†Standard Steel Car Co. (Steel Cars & Trucks, etc.) (See Pittsburgh, Pa.)
CALIFORNIA—*†§California Foundry & Machine Co.
CANONSBURG—†Canonsburg Steel & Iron Works
*†§Fort Pitt Bridge Works. (See Pittsburgh, Pa.)
CARBONDALE — *†Carbondale Machine Co. (Ice & Refrigerating Machy.)
*†Cross Engineering Co. (Coal & Ore Machinery, etc.)
*Hendrick Mfg. Co.
CARLISLE—*†Frog Switch & Mfg. Co. (Frogs, Switches, etc)
†Gardner E. J. Axle & Machine Co. (Axles & Machine Work)
CARNEGIE—*†Adler H. Co. (Gas Stoves, etc.)
*†§Dixon H. L. Co. (Glassmakers' & Potters' Supplies)
CATASAUQUA—*†Davies & Thomas Co. (Wrought & Machine Iron Castings for Every Purpose)
§Hercules Metal Works (Brass, Bronze & Copper Castings, etc.)
*Lenox Mfg. Co. (Sewing Machine Attachments)
CENTER HALL—*Haney Carriage & Machine Co.
CHAMBERSBURG—*†§Chambersburg Engineering Co. (Steam Hammers, Cranes, etc.)
*†§Chambersburg Fdry. & Mach. Co. (Gasoline Engines)
*†Hafer Foundry & Machine Works
*Hug A. C. (Machinist)
*Schal Jno. D. & Co.
*†§Wolf Co. (Flour Mill ½ Power Transmitting Machinery)
*†Wood's T. B. Sons Co. (Power Transmitting Machy.)
CHARLEROI—†*Charleroi Iron Wks.
CHERRY TREE—†§*Cherry Tree Mach. Co.
CHESTER—*†American Steel Foundries (Open Hearth Steel). (See Chicago, Ill.)
*Baldt Anchor Co. (Anchors, etc.)
*Berry Engineering Co. (Steam Specialties)
*Black John B. Co. (Est. of) (Edge Tools, etc.)
†Boulden Wm. M. & Son (Jobbing)
†Chester Steel Castings Co. (Open Hearth Steel Castings)
*Cheyney Jno. H. & Co. (Machinists)
§Crown Smelting Co. (Brass Fdrs. & Machinery Castings, etc.)
†*Delaware River Iron Shipbuilding & Engng. Wks.
*†Federal Steel Foundry Co. (Open Hearth Steel Castings)
*Niagara Hydraulic Engine Co. (Hydraulic Engines, etc.)
*†Wetherill Robt. & Co. (Corliss Engines, Paper & Pulp Mill Machy., etc.)
CHESTNUT LEVEL—*Brown J. Edgar
CHICORA—*Bowers Warren
CHRISTIANA—*†Christiana Machine Co. (Mill Machy.)
CLEARFIELD—*†Clearfield Machine Shops (Fire Brick Machy., etc)
*Gearhart Knitting Machine Co. (Knitting Machines)
CLEONA—*Imboden Harrow & Roller Co. (Agrl. Implements)

PENNSYLVANIA—continued.
COATESVILLE—*†Coatesville Foundry & Machine Co. (Grey Iron Castings, etc.)
*†§Lukens Steel Co. (Steel Castings, all Consumed by the Company; also Machine Shops for Repairs)
*Midvale Steel & Ordnance Co. (See Phila.)
*†Ridgway, Craig & Son Co. (Elevators, etc)
CODORUS—*†Auchey's Abraham G. & Sons (Iron Fdry., etc.)
COLLEGEVILLE—†*Freed Heater Co., Inc.
COLUMBIA—*†Keeley Stove Co. (Stoves, Ranges & Furnaces)
*O. K. Clutch & Machinery Co. (Power Transmission Machinery)
†§U. S. Lock & Hardware Co.
CONNELLSVILLE—*†Boyts, Porter & Co. (Steam Pumps, etc.)
*†Connellsville Iron Works (Boilers, Tanks, etc.)
*†§Connellsville Machine & Car Co. (Pumps, Engines, Mine Fans & Iron & Brass Castings, etc)
*†§Connellsville Mfg. & Mine Supply Co. (Coal & Coke Works Equipment)
†Cypher J. L.
McCairns Fdry. Co.
†Munson Heater Co. (Ltd.) (Heaters, etc.)
CONSHOHOCKEN—*†§Bate Wm. T. & Son
*†Messinger's H. C. Sons (Stoves, etc.)
*†Wood Jno. Mfg. Co. (Boilers, Tanks & Iron Fdrs.)
CORAOPOLIS—*†§Duquesne Steel Foundry Co. (See Pittsburgh, Pa.)
*Shamburg & Allen Machine Co.
CORRY—*†Ajax Iron Works (Steam Engines)
*†§Climax Mfg. Co. (Logging Locomotives & Cars, etc.)
*†§Love Mfg. Co. (Grate Bars, Mine Car Wheels, etc.)
*Trill Indicator Co. (Indicators, Reducing Wheels, etc.)
*†§U. S. Brake Shoe Co. (& Walton, N. Y.)
COUDERSPORT — *Coudersport - Mangle Roller Mfg. Co. (Mangle Rollers)
COWANESQUE—*†§Reippel's John Sons (Tools, etc)
CREIGHTON—†Yost Bros.
CRUM LYNNE—*Eagan-Rogers Steel & Iron Co. (Steel Castings)
CURTIN—†§*Eagle Iron Co.
DANVILLE—Brown Will G. (Machinist)
*†§Danville Iron & Steel Co. (Rolling Mill Machy., Engines, Grey Iron & Brass Castings, etc)
Danville Iron & Steel Co.
†Danville Stove & Mfg. Co. (Stoves & Furnaces)
DELTA—†*Roberts R. & Son
*Sidwell C. W. & Son
DICKSON CITY—†Early Foundry Co.
DUBOIS—*†§Dubois Iron Works (Mining, Tannery & Saw Mill Machinery, Grey Iron Castings, etc.)
§*Nopack Brass Mfg. Co.
*†§Osborn Machine Co. (Brass & Grey Iron Castings & Machine Work)
EAST BANGOR—*†East Bangor Mfg. Co. (Castings & Specialties)
EAST BROOK—*Hinkson Bros. (Machinists)
EAST DOWNINGTON — *†§Downington Mfg. Co. (Paper & Pulp Mill Machy., etc.)
EAST GREENVILLE—*†Haas Harvey B.
†Keystone Motor Mfg. Co.
EASTON—§*Butler Edwards Elec. Co.
*§Easton Brass & Machine Works
†§*Hawley Down Draft Furnace Co.
*Hobson & Co. (Agrl. Impimts. & Machy.)
*†§Ingersoll-Rand Co. (See New York City) *See adv index at end of book*
†Kuebler Foundries (Malleable Iron & Steel Castings)
*†Treadwell Engineering Co. (Pipe Cutting & Threading Machines, Heavy Castings, etc.) *See adv index at end of book*
†*Wharton Wm. Jr. & Co., Inc.
*†Wilson Bros.
*†Wilson Jacob (Est. of)
†Wilson Stove & Mfg. Co. (Stoves, etc.)
EAST PITTSBURGH—*§ **PITTSBURGH METER CO.** (Gas Meters, etc.)
*†§**WESTINGHOUSE ELECTRIC & MFG. CO.** (Electrical Machinery, Engines, etc.) *See adv index at end of book*
†§*Westinghouse Mach. Co.
EAST PROSPECT—†Strickler Frank
EAST STROUDSBURG—*†§Stauffer Geo. E. (Engines & Flour Mill Machinery, etc.)
EAST WATERFORD—†Smith Joseph S.
ECKERT—*Sittler Peter (Wagons)
EDDYSTONE—†Baldwin Locomotive Works
*†Belmont Iron Works. (See Phila., Pa.)
*†Eddystone Mfg. Co. (See Burnham, Williams Co., Philadelphia, Pa.)
†Pennsylvania Iron Works Co. (Marine Engines)
*Tindel Morris Co. (Machine Tools, etc.)
ELIZABETHTOWN—*†§Buch's A. Sons Co. (Lawn & Road Rollers, Fanning Mills)
ELIZABETHVILLE — *†§Swab Foundry Co. (Castings, etc.)
ELKLAND—*†§Bedell Andrew S.
ELKLICK—*Haselbarth C. R. & Son (Hardware, etc.)
ELLWOOD CITY—†§Ellwood Foundry Co.
*Mathews Gravity Carrier Co. (Conveying Machy.)
†*Shebly Steel Tube Co.
*†Standard Engineering Co. (Rolling Mill)
*†Steel Car Forge Co. (See Pittsburg, Pa.)
*Tindel-Morris Co. (Machine Tools, etc.), (See Eddystone, Pa.)
ELYSBURG—*†De Shay D. H. (Farm Implements & Castings of All Kinds)
EMAUS—*†Donaldson Iron Co. (Cast Iron Pipe)
EMLENTON—†*Crawford David A.
EMPORIUM—*†§Emporium Machine Co.
EPHRATA—*†Ephrata Foundry & Machine Works (Castings & Cast Iron Troughs, etc.)
ERIE—†American Beauty Stove Co. (Stoves, etc.)
*§American Sterlizer Co.
*†Ball Engine Co. (Steam Engines, Castings, etc.)
*Bay State Iron Works (Portable Engines, etc.)
*Brown Folding Machine Co. (Paper Folding Machines, etc.)
*Burke Electric Co. ("Burke" Electric Motors, etc.)
*Bury Compressor Co. (Air Compressors, Vacuum Pumps, etc.)
*§Campbell J. B. Brass Works (Brass Fdry. & Finisher & Plumbing Goods)
†Cascade Foundry Co. (Grey Iron Castings)
*Chapman C. L. Cream Separator Works
*§Erie Bronze Co. (Brass & Bronze Castings), 353 W 19th *See adv index at end of book*
*†Erie City Iron Works (Steam Engines, etc.)
*Erie Clutch & Pulley Co.
*Erie Engine Works (Steam Engines, etc.)
*†Erie Foundry Co. (Steam Hammers, etc.)
*Erie Machine Shops (P. W. Dietley, Prop.)
*†Erie Malleable Iron Co. (Malleable)
*Erie Specialty Co. (Hdw. Specialties, etc.)
*Erie Tool Works (Pipe Cutters, Vises, etc.)
§Erie White Metal Co. (Babbitt Metal, etc.)
†Freez Stove & Mfg. Co. (Stoves, etc.)
*Fulton Mfg. Co. (Marine Engines)
†§Germer Stove Co. (Stoves, etc.)
†Globe Iron Works
*Griffin Mfg. Co. (Builders' Hdw., etc.)
†*Griswold Mfg. Co.
*Harrington Machine Co. (Machine Tools, etc.)
*§Hays Mfg. Co. (Iron & Brass Goods for Gas & Water)
*Heisler Locomotive Works (Geared Locomotives, etc.)
*Hollands Mfg. Co. (Bench Vises & Pipe Tools), 352 E 18th
*†§Jarecki Mfg. Co. (Iron & Brass Fdrs., Malleable & Grey Iron Steam Fittings)
*§Keystone Brass Wks.
§Lippold Valve Co.
*Lovell Mfg. Co. (Clothes Wringers, etc.)
*Merwin Mfg. Co. (Bench Shears, etc.)
*§Metric Metal Works (Gas Meters)
*Modern Tool Co. (Dies, Grinding Machines, Tools, etc.), 300 State
*†Nagle Engine & Boiler Works (Steam Engines, etc.)
†National Foundry Co. (Steel Castings)
†Odin Stove Mfg. Co. (Gas Stoves, etc.)
*Parker White Metal & Machine Co. (Castings)
†Patterson & Stirling (Hot Air Furnaces)
†Penna. Boiler Works
*Reed Mfg. Co. (Bench Vises & Pipe Tools)
*Sims Co. (Steam Specialties), 18th & Whitley av
*†Skinner Engine Co. (Steam Engines, etc.)
*Standard Saw Mill Machinery Co. (Saw Mill Machinery, etc.)
*Steiner Mfg. Works (Tools, Emery Grinders, etc.)
*†Union Iron Works (Boilers, etc.)
†Urick Foundry Co. (Grey Iron Castings)
*§Victoria Metal Co.
†Walker Foundry Co. (Grey Iron Castings)
*Watson N. A. (Boiler Injectors, etc.)
*Williams Tool Co. (Pipe Threading & Bolt Cutting Machines, etc.)
ETNA—†Etna Foundry Co. (Sash Weights)
§Roessing Bronze Co. (Brass & Bronze Fdrs., etc.)
*Spang, Chalfant & Co. (Works Contain Two Machine Shops). (Office: Pittsburgh, Pa.)
EVERETT—*†Pettigrew Wm.
FLEETWOOD—*Merkel A. P.
FORD CITY—*†§Pittsburgh Plate Glass Co. (See Pittsburgh, Pa.)
FRANKLIN—*†American Steel Foundries (Steel Castings)
*†Chicago Pneumatic Tool Co. of N. J. (See Chicago, Ill.)
*Colburn Machine Tool Co. (Boring & Turning Mills, Sew Tables, Drill Presses, etc.)
*†Emery W. N. & Son (Iron Fdrs. & Machinists)
§Franklin Brass & Bronze Co.
†Franklin Fdry. Co.
*Franklin Portable Crane & Hoist Co. (Portable Cranes & Hoists), Printz blk.
†French Creek Fdry. Co.
*§Hough Chas. N. Mfg. Co. (Oil Well Specialties, Brass Founders, etc.)
*†Lane D. T. & Sons
*Milton S. G. & Son (Hoists, etc)
*Producers' Supply Co. (Gas & Gasoline Engines & Oil Well Supplies)
*Sheridan Jas & Sons
*†Venango Mfg. Co. (Railway Specialties)
FREEBURG—*†§Harmon & Moyer
FULLERTON—*†§Dent Hardware Co. (Hardware, etc.)
Fuller-Lehigh Co. (Cars, Wheels & Axles, etc.)
GETTYSBURG—†*Gilbert Calvin
GIRARD—Ely Theo. J. Mfg. Co.
*Girard Model Works
†Lake Erie Foundry Co. (Grey Iron Castings, Stoves, etc.)
§*Milner Mfg. Co.
GLASSMERE—*†Allegheny Fdry. & Mach. Co.
GLASSPORT—*American Axe & Tool Co.
*†Pittsburgh Steel Foundry Co. (See Pittsburgh, Pa.)
GREENCASTLE—*Waeck Henry S. (Agrl. Implts.)
GREENMOUNT—*Null Geo. W.
GREENSBURG — *†§Hempfield Foundry (Mine Cars, Wheels, etc.)
*Henry & Sheffler Machine & Auto Co.
*†§Kelly & Jones Co. (See Pittsburgh Pa.)
GREENVILLE—Chicago Bridge & Iron Works, 108 Pine (See Chicago, Ill.) *See adv index at end of book*
*†§Hodge Mfg. Co. (Iron Fdrs. & Machinists)
GROVE CITY—†Bessemer Foundry Co. (Grey Iron Castings)
*†Bessemer Gas Engine Co. (Gas Engines)

•Bessemer Motor Truck Co. (Auto Trucks)
•Carruthers & Fitlian Clutch Co. (Clutches, etc.)
§Grove City Brass & Bronze Co.
•§Lawrence Foundry Co. (Iron Castings)
GROVETON—•†Lewis Foundry & Machine Co. (See Pittsburgh)
HAMBURG—†Confer, Smith & Co.
†Hamburg Plow Works
•†Keiser Bros. (Radiators, etc.)
•†Loose Saml. A. & Son (Plows, etc.)
•†Neiman & Saul
•Snell John H. & Sons
HANOVER—•†§Fitz Water Wheel Co. (Water Wheels)
•Flickinger Bros.
•Flickinger John D.
•†Levering Bros.
HARMONY—•†Flowers Foundry Co.
HARRISBURG—•†Boll Bros. Mfg. Co. (Iron & Brass Bedsteads)
†Central Iron & Steel Co.
•†Cooper E. N. & Co.
•Dunkle Arthur J. Co.
•Elliott-Fisher Co. (Book Typewriters & Billing Machines)
§Harrisburg Brass & Bronze Foundry
•Harrisburg Foundry & Mach. Works (Steam Engines, etc.)
•†Harrisburg Mfg. & Boiler Co.
•Harrisburg Pipe & Pipe Bending Co. (Pipe & Coil), Herr, nr 10th
•Harrisburg Roll Grinding & Corrugating Co.
•†§Hickok W. O. Mfg. Co. (Bookbinders' Machy., Iron & Brass Fdrs)
†Lalance & Grosjean Mfg. Co. (See New York City)
HAZLETON—•Anthracite Separator Co.
•Coxe Traveling Grate Co.
†§•Grass Mfg. Co.
•Harleigh Iron Works Co.
•†§Hazleton Iron Works Co. (Fdrs. & Machinists)
†§•Jeansville Iron Wks. Co.
†§•Wilmot Engng. Co.
•†§Worthington Pump & Machinery Corp. (Jeanesville Works)
HOLLIDAYSBURG—•†§McLanahan-Stone Machine Co. (Iron Fdrs. & Stone Working Machinery, etc.)
HOLLISTERVILLE—†•Mott J. B.
HOMESTEAD — •†Carnegie Steel Co. (Fdry. Dept.) (See Pittsburg)
•Homestead Iron Works Co.
•†§Homestead Valve Mfg. Co. (Valves & Steam Goods, Iron & Brass Fdrs.)
•†§Mesta Machine Co. (Rolling Mill Machinery & Castings, etc.) (See Pittsburgh)
•†National Car Wheel Co. (See Pittsburgh, Pa.)
HONESDALE—•Gibbs Chas. E.
•†§Gurney Co.
HOPEWELL—•†§Simon John W. & Son
HUGHESVILLE—•†§Snowden Bros.
HUNTINGDON—†•Atlantic Radiator Co.
•†§Gerloch H. W.
HYDE PARK—•†§Hyde Park Fdry. & Mach. Co. (Rolling Mill Machy. & Castings)
INDIANA—†Indiana Foundry Co.
†Penn. Enamel Sink Co.
IRVINE—•†National Forge & Tool Co.
IRVONA—†Central Fdry. Car Co.
IRWIN—•†§Irwin Foundry & Mine Car Co.
•Penn Electrical & Mfg. Co.
IVYLAND—•Hobensack Wm.
JEANNETTE—•†Elliott Co. (Mine Fans)
†•Greensburg Fdry. & Mach. Co.
•Jeannette Machine Co.
•†Pittsburg Lamp, Brass & Glass Co. (See Pittsburg, Pa.)
JERSEY SHORE—•§American Balance Valve Co. (Valve Mfrs., etc.)
†§Trump F. & E. D. (Iron Fdrs. Machinists)
JOHNSONBURG — •†§Johnsonburg Machine Co.
JOHNSTOWN — •†§Cambria Steel Co. (Founders, Machinists & Steel Mfrs.)
•Century Stove & Mfg. Co. (Gas Stoves, etc.)
•Flood City Mfg. Co. (Brass & Bronze Parts & Castings, for Electric Railway, Mills & Mines)
†Globe Iron Foundry Co.
•†§Lorain Steel Co.
•†National Radiator Co. (Radiators, etc.)
†Penn. Fdry. Co.
•†§Suppes Forge & Foundry Co. (Iron & Brass Castings, Mining Machinery & Mine Cars)
†Union Radiator Co.
KANE—•Kane Supply Co. (Machinists)
•†Moser Mfg. Co.
KENNETT SQUARE—•†American Road Machinery Co. (Road Making Machy., etc.)
•†Good Roads Machinery Co. (Road Making Mach'y)
•†§Kennett Foundry & Machine Co.
KITTANNING—•†§Hoey & Gallaher Fdy. & Machine Co.
†§•Kittanning Iron & Steel Mfg. Co.
†McCullough Jas., Jr. (Iron Fdry., etc.)
KUTZTOWN — •†**KUTZTOWN FDRY. & MACHINE CO.** (See Philadelphia, Pa.) *See adv index at end of book*
LACEYVILLE—Edwards Mfg. Co. (Log Turners, etc.)
•Vandervort John
LANCASTER—•†§Barry & Zecher Co. (Foundry Cupolas, etc.)
•Bowman's Ezra F. Sons (Watchmakers' Tools, etc.)
•Calder Geo. H. (Emery Wheel Dressers)
§†Carbon Steel Casting Co.
•†Champion Blower & Forge Co. (Iron Fdrs., Blowers, Portable Forges, etc.)
•Dellinger A. M. (Machines)
•Fidelity Electric Co. (Electric Motors & Fans)
•§Fraim E. T. Lock Co. (Locks, Castings, etc)
•Hamilton Watch Co. (Watches, etc.)
•†§Hubley Mfg. Co. (Light Grey Iron Castings, Brass Pattern Work, etc.)
•Koch Alfred S. & Sons (Jewelers' Tools, etc.)
†Lancaster Foundry Co. (Malleable Iron Castings)
†•Lancaster Iron Wks., Inc.
†Lancaster Machine & Structural Works (Architectural & Ornamental Iron)
•§Miller J Walter Co.
†Monitor Bi-Loop Radiator Co.
•National Safety Fifth Wheel Co. (Fifth Wheels, etc.)
•Potts D. H. Co. (Portable Forges, etc)
•§Safe Padlock & Hardware Co. (Shelf Hdwe. & Brass Castings)
•Schmid Bros.
•§Slaymaker Lock Co. (Locks, etc.)
•Vondersmith Harry M.
•Welchans Albert C. (Elevators, etc.)
LANDISVILLE—†§•Keystone Boiler & Fdry. Co.
•Minnich Machine Works (Baling Presses, etc.)
LANESBORO—•†Barnes Mfg. Co. (Machinists, etc.)
LANSDALE—•†Central Radiator Co.
†Cox Abram Stove Co. (Stoves, etc.) (See Philadelphia, Pa.)
•†§Heebner & Sons (Agrl. Implts., Grey Iron & Brass Castings)
•†Krupp Foundry Co. (Cast Iron Pipe & Fittings, etc.)
LANSDOWNE—†Crucible Steel Casting Co. (Steel Castings)
LATROBE—•†Latrobe Electric Steel Co. (Castings)
•§West Latrobe Foundry & Machine Co.
LATTIMER MINES.—•†§Lattimer Fdry. & Machine Co.
LEBANON—•†Buchanan Fdy. Co. (Iron Fdrs.)
†§Freshley N. S.
•Fry Edward G.
•†Hunsicker Engineering Co. (Castings, etc.)
†Iron City Foundry Co. (Iron Castings)
•†**LEBANON GEAR & MACHINE WORKS,** 17th & Forge
*See adv index at end of book*
†Lebanon Steel Foundry (Crucible Steel Castings)
†Lebanon Stove Co. (Stoves)
•Louden Machine Works
•†§North Lebanon Foundry Co.
•†§Umberger J. R. & H. G.
†Union Boiler & Mfg. Co.
†§Washington Street Brass & Iron Fdry
•†Weimer Chain & Iron Co.
•†§Weimer Machine Works Co. (Rolling Mill & Blast Furnace Machinery, etc.)
LEETSDALE — †Leetsdale Fdry. & Mfg. Co.
•Tate, Jones & Co.
*See adv index at end of book*
LEHIGHTON—†Crescent Stove & Mfg. Co. (Stoves, etc.)
†Diamond Iron Wks.
•Lehigh Stove & Mfg. Co. (Hot Air Furnaces, etc.)
LEMOYNE—§Lemoyne Brass Fdy.
LEOLA—•Leola Machine Co.
LEONA—Ely E. C. Co. (Hdw. Specialties, etc.)
LERAYSVILLE—†Bailey E. M. & Son (Iron Fdry. & Plows, etc.)
LEWISBURG—•†§New Central Foundry Co.
LEWISTOWN—•†§Lewistown Fdry. & Machine Co.
•Mann Edge Tool Co. (Edge Tools, Axes, etc.)
•Mann Jas H. Co. (Tools, Axes, etc.)
LIBERTY—†•Miller R. N.
LINESVILLE—•Van Slyke F. J. & Son
LINFIELD—†§•Sanitary Co. of America
LITTLESTOWN—†•Littlestown Hdwe. & Fdry. Co.
LOCKHAVEN—†Novelty Iron Works
LOCUST VALLEY—•†Hersh Harvey M.
LUZERNE—•†§Luzerne Mfg. Co. (Mine Drills, etc.)
LYKENS—†•Eagle Iron Wks.
McDONALD—•Tillinghast B. D. (Machinist)
McEWENSVILLE—†Gearhart Wm. L. & Son
McKEESPORT—†Fort Pitt Steel Casting Co. (Steel Castings)
•†Monongahela & Yough Foundry Co.
•†National Tube Co. (Foundry Dept.). (See Pittsburgh.)
•§Sheermesser H. S.
•Smith, Nimmo & Co. (Ornamental Iron Work)
McKEES ROCKS—†Fort Pitt Malleable Iron Co. (See Pittsburgh, Pa.)
•McKay Jas. Co. (Chains, etc.). (See Pittsburg)
•†Pressed Steel Car Co. (See Pittsburg)
•†Taylor-Wilson Mfg. Co. (Iron Founders, Pipe Mill & Special Machy., Machine Moulded Gears, etc.)
McVEYTOWN—•†Stine Samuel R.
MACUNGIE—•§Macungie Brass & Mfg. Co.
•§Neumeyer H. F. & Son (Brass Fdry. & Nozzles & Couplings)
MAHANOY CITY—•†§Grant Iron Works (Steam Engines & Pumps, Car Wheels, etc.)
MANHEIM—•†Bond Foundry & Machine Co. (Power Transmitting Machinery), Lancaster Co.
*See adv index at end of book*
•†Hershey Machine & Foundry Co.
MANSFIELD—†§•Lomlinson De Witt C.
MARIANNA—•†§Johnetta Fdry. & Machine Co.
MARIETTA—†Marietta Casting Co.
•†Marietta Hollow Ware & Enameling Co.
†National Castings Co.
MARS—•Sheridan Jno. J. & Co. (Machinists & Drilling Tools)
•†Velte Foundry & Machine Co. (Grey Iron Castings, also Machine Shop)
MAUCH CHUNK—•†Mauch Chunk Iron Wks. (Coal Miners Machinery, etc)
MEADVILLE—•Barrette Machine Tool Co. (Machine Tools, etc.)
•§Bronze Metal Co. (See New York, N. Y.)
•Champion Tool Co. (Blacksmiths' Tools)
•Dowell H.
•Hookless Fastener Co.
†Jones Fdry. Co.
•McCrosky Reamer Co. (Chucks, Reamers, etc.)
†Meadville Malleable Iron Co. (Malleable Iron Castings)
•Meadville Metallic Vault Co.
•Meadville Wrench Co. (Wrenches, etc)
•†Page W. H. Boiler Co. (Heaters, etc.). (Office: New York City)
•†Phoenix Iron Works Co. (Boilers, Tanks, etc)
•Spirella Co.
•Yost Mfg. Co. (Vises, etc)
MECHANICSBURG—•Comstock Geo. S. & Son
•Potts Mfg. Co. (Machinists, etc.)

PENNSYLVANIA—Mechanicsburg—continued.
*Wilcox D. Mfg. Co. (Carriage Hdw., etc.)
MEDIA—*Wood Wm. H. (Special Machy., etc.)
MERCER—†Reznor Mfg. Co. (Gas Stoves, etc.)
MEYERSDALE—*†§Boucher Milton H. (Iron Founder)
MIDDLETOWN—*†Middletown Car Co. (Cars & Castings)
*†§Wincroft Stove Works
MIDLAND—*†Pittsburgh Iron & Steel Foundries Co. (Axle Boxes, Brake Shoes, Iron Fdrs., etc.)
MIFFLINBURG—*†Albright Jas. H. & Sons (Agrl. Implements, Cultivators, Harrows, Rakes, etc.)
MILFORD SQUARE—*Weisel Harvey H.
MILLERSBURG—*Alvord Reamer & Tool Co. (Reamers)
*Lenker Frank K. & Co. (Saw Mill Machinery)
*Millersburg Fifth Wheel Co. (Fifth Wheels, etc.)
*Polk A. J. & Son Co. (Screw Plates, Taps, Dies, Reamers, etc)
MILLHEIM—*†Hartman J. H. B. Co.
MILTON—*†American Car & Foundry Co. (See St. Louis Mo.)
*Milton Mfg. Co. (Nuts, Washers, etc.)
†§Shimer Sam'l J. & Sons (Ettinger Cutter Heads, etc.)
MONACA—*†United States Sanitary Mfg. Co. (See Pittsburgh, Pa.)
MONESSEN—*†§Monessen Fdry. & Machine Co.
*Page Steel & Wire Co.
MONONGAHELA—*†§Coshocton Iron Co. (Iron Castings, etc.)
*†Cyclops Foundry Co. (See Pittsburgh)
*Liggett Spring & Axle Co. (Carriage Axles & Springs, etc.) (See Pittsburgh, Pa.)
*Simmons Foundry & Machine Works
*Tempest & Ternent
MONT CLARE—†Hallman Oliver F. (Cast Iron Pipe Fittings)
MONTGOMERY—*†American Woodworking Machinery Co. (Woodworking Machy.) (See Rochester, N. Y.)
MONTROSE—*†Beach Mfg. Co. (Woodworking Machinery)
MORGANTOWN—*Sweigart Abraham R. (Jobbing)
MOSCOW—*†§Swartz Philip & Sons
MOUNT CARMEL—*†§Mount Carmel Iron Wks. (Coal Mining Machinery, etc)
MOUNT JEWETT—*Weeks Scale Works (Sales, etc.)
MOUNT JOY—*†§Grey Iron Casting Co. (Hardware Specialties & Light & Heavy Castings)
*†New Standard Hardware Works (Food Choppers, etc.)
*Rollman Mfg. Co. (Ltd.) (Iron Novelties)
MOUNT PLEASANT—†Lentz Henry
MOUNT UNION—†*Dixon H. L. Co.
MOUNTVILLE—*†Mountville Mfg. Co. (Agrl. Implts., Plows, Planters, Corn Shellers, etc.)
MUNCY—†Artley Bros. (Agrl. Implts.)
*†Robinson Mfg. Co. (Flour Mill Mchy.)
*†§Sprout, Waldron & Co. (Flour Mill Machinery, etc.)
MYERSTOWN—†Dubble & Zinn
*Myers E. H. (Gasoline Engines, etc)
†§*Myerstown Fdry. & Mfg. Co.
*†Painter Jos. & Sons
NANTICOKE—*Bittenbender W. W. & Co. (Machinists & Mine Drills)
*Norman Picker Co. (Slate Picking Machines)
NAZARETH—*†Nazareth Foundry & Machine Co. (Iron Castings & Machine Work)
NEW BRIGHTON—†Damascus Crucible Steel Casting Co.
§Keystone Bronze Co.
*Pittsburg Machine Co. (Gas or Gasoline Engines)
§Riedel & Sons Mfg. Co.
*†Standard Sanitary Mfg. Co. (See Pittsburgh, Pa.)
*Standard Specialty & Tube Co. (Collapsible Tube Filling & Closing Machines)
*Townsend Co. (Wire Rivets, Nails, etc)
NEW CASTLE—*Douds Frank C. & Co. (Steam & Water Specialties)
*§Johnson Bronze Co. (Brass Car Trimmings & Castings)
*†Penna Engineering Works (Rolling Mill Machy. & Castings)
†Stove & Range Co. of Pittsburgh
NEW HOLLAND—†*New Holland Mach. Co.
NEW KENSINGTON—*†Aluminum Co. of America. (Office: Pittsburg)
§Aluminum Cooking Utensil Co.
*†Union Spring & Mfg. Co. (Springs, Steel Castings, etc.)
NEW OXFORD—*†Weaver & Co. (Feed Cutters, etc.)
NEWPORT—†Juniata Furnace & Fdry. Co.
NEWSIDE—*†Peter F. N. & Bro. (Iron Railings, etc.)
NEWVILLE—*Whistler J. C.
NORRISTOWN—*†Fowler & Wolfe Mfg. Co. (Radiators). (See Phila., Pa.)
*†Haines, Jones & Cadbury Co. (See Philadelphia, Pa.)
*†Harrison Safety Boiler Works. (See Philadelphia, Pa.)
*Lowndes & Butler
*†Newbold R. S. & Son Co. (Rolling Mill Machy. & Castings, etc.)
*Reading Screw Co. (Screws & Specialties)
*Rittenhouse Frank (Confectioners' & Tack Machy., etc.)
*Rittenhouse Wm. H.
*Walton Luther
*†§Wildman Mfg. Co. (Knitting Machines)
NORTH EAST—§*Elec. Materials Co.
*§Eureka Co. (Commutators, etc.)
*†Fernald Mfg. Co. (Hardware & Harness Specialties)
NORTHUMBERLAND—*Keystone Forging Co. (Fifth Wheels, etc.)
NORTH WALES—*Armstrong Truck Co. (Trucks & Casters)
†North Wales Foundry Co. (Grey Iron Castings)
*†§North Wales Machine Co. (Hack Saw Machines, Bench Grinders & Grey Iron & Brass Castings)
OGONTZ—*Hammond C. & Son (Edge Tools, Hammers, Sledges, etc.)
OIL CITY—*Boardman Robt. Co. (Oil & Gas Well Tools, etc.)
*Condrin Mrs. Wm. Marine (Machinist)
*Logan Robt. (Engines & Oil Well Supplies)
*†§Oil City Boiler Works (Steam & Gas Engines, etc.)
†Oil City Foundry Co.
*†§Oil Well Supply Co.
*†§Reid Jos. Gas Engine Co. (Gas Eng., etc.)
*Simon August (Machinists)
OLYPHANT—†Olyphant Foundry Co.
ORANGEVILLE—*†§Conner J. W. & Son (Agrl. Implts. & Castings)
OSCEOLA MILLS—*†§Stine S. B. (Mine Fans, Haulage, Engines, etc.)
PALMERTON—†§*N. J. Zinc Co. of Pa.
PARKERS LANDING—*Schenck Mfg. & Supply Co.
PARKENSBURG—*Parkersburg Stamping & Mfg. Co.
PATTON—*Cole Bros. (Machinists)
PENN STATION—*†American Fdry. & Pipe Co. (See Pittsburg, Pa.)
*†§Hockensmith Wheel & Mine Car Co.
PERKASIE—*Karmer Wm. K.
PETROLEUM CENTER—*Betts W. L.
PETROLIA—*Berry Lewis D.
PHILADELPHIA—†Adams Wm. Fdry. Co. (Iron Fdrs., Builders' & Other Castings, etc.), 960 N. 9th
§Adams & Westlake Co., 2218 W Ontario. (See Chicago, Ill.)
†Aetna Foundry Co., 22nd & Allegheny av
*Albro-Clem Elevator Co. (Elevators), D & Erie
*Allen Alonzo W. (Machinist), 2427 Mascher
*Allen A. & Co. (Machinists), 2001 Carpenter
*Allen Iron & Steel Co., 3rd & Venango
*†Allen S. L. & Co. (Agrl. Implts.), 5th & Glenwood
*Altemus Jacob K. (Textile Machy.), 2824 N 4th
*†§American Bridge Co. of New York (Pencoyd Works), Penn. bldg
*†American Engineering Co. (Stokers, Windlasses, Hoisting Engines, Iron Castings, etc.), Aramingo & Cumberland
*†American Fork & Hoe Co. Ashland Fkd. Creek. (See Cleveland, O.
*American Insulating Machinery Co. (Wire Winding Machy., etc.), Huntington & Fairhill
*†American Machinery Co., 330 N 12th
§American Manganese Bronze Co., 3501 Rhawn
*American Metal Works, Stenton & Rockland
§American Meter Co., 3112 N 17th
*Baeuerle & Morris Sugar Machinery), 932 N. Front
*Bagshaw & Field (Machine Tools), 445 N 5th
*†Baizley Jno. Iron Works (Builders' Iron Work & Castings), 514 S Del. av
*†§Baldwin Locomotive Works, Broad & Spring Garden
*†Barker Jas. (Iron Foundry, Cotton & Woolen Mach'y & Grey Iron Castings), 6th & Cayuga
*Barnett G. & H. Co. (Files, etc.), 1076 Fkd av
*Beck Machine Chas. Co. (Paper Box Machinery), 607 Chestnut
*See adv index at end of book*
*§Belfield H. Co. (Brass Fdrs., Valves & Steam Specialties, etc.), 435 N Broad
†§Bement Miles Works, 21st c Callowhill. (See Niles, Bement, Pond Co.)
*†Bernstein Mfg. Co. (Metallic Bedsteads, Grey Iron Castings, etc.), 3rd & Alleghany
†Biddle-Gaumer Co. (Bldrs. Iron Work, etc.), 3846 Lancaster av
†Biggin Chas. P. Co. (Iron Fdrs. & Bldrs. Iron Work), 1829 Harlin
*Bilgram Machine Works (Gears & Gear Cutting), 1235 Spring Garden
*Billington Jas. H. Co. (Textile Machy.), 113 Chestnut
§Bircher Geo. (Brass Fdr., etc.), 716 Cherry
*Blessing C. A. (Plumbing Specialties, etc.), 516 Montgomery av
*Boekel Wm. & Co. (Metal Spinning, Force & Test Pumps, etc.), 518 Vine
*Borger, Valentine (Butchers' Tools, etc.), 2035 N 2d
Boureau H. U. & Co. (Builders' Iron Works, etc.), 3302 Ludlow
*Box Alfred & Co. (Cranes, Hoists, etc.), Front & Poplar
*§Boyd Jas. & Bro., 12 N 4th
*Bradford Wool Comb Co., 1908 E Westmoreland
*†Braun J & Sons, 1615 N 23rd
*Brewer Bros. Co. (Bldrs.' Hdw., etc), 2nd & Somerset
*§Bridgman Bros Co. (Plumbers & Steam Fitters Brass Goods & Castings), 131 S 31st
*†§Brill J. G. Co. (Car Builders, etc.), S 62d & Woodland av
*Brinton H. Co. (Knitting Machy.), 213 Race
*Brohard Co. (Hardware Specialties, etc.), Lehigh & 3d
†Brown E. E. & Co. (Iron Fdrs.), McKean & Meadow
*Brown Instrument Co. (Electric Instruments), 901 Montgomery av
§Buckley Walter F., 627 Filbert
†*Budd Grate Co., 2013 E. Letterly
*Bullock Chas. K. (Flour Mill Machy), 1357 Ridge av
§Bureau Bros. (Bronze & Brass Fdrs. & Statuary, etc.) 23d & Westmoreland
*†§Butterworth H. W. & Sons Co. (Textile Machy.), E York & Cedar
*Campbell P. F. (Millwright & Machinist, Steam Engines, Grinding Mills, etc.), 51 Laurel
*Carlson-Wenstrom Co. (Inc.) (Special Machinery, Tools & Dies), Erie av & Richmond
*Carnell Geo. (Est. of) (Brick Machinery), 1819 N 5th
*Carr Jos. Co. (Special Machy. & Optical Grinding Tools), 132 N 7th
*Carver File Co., 3231 Frankford av
§Caskey William & Son (Brass Fdrs., etc.), York & Richmond
†Caskey & Keen, 6th & Berks
§Central Bronze & Brass Fdy., 714-716 Cherry

•Central Machine Co. (Machinists), 7th & Wood
•†§Chambers Bros. Co. (Brick & Paper Folding Machinery, etc.), 52d. below Lancaster
•†Chester Steel Castings Co. (Steel Castings, etc.), 407 Sansom
•Chesterman & Streeter (Metal Specialties, etc.), 25 S 11th
†Clark J. Alfred (Grey Iron Castings), Gray's Ferry rd. & 35th
•§Clay John H. (Brass Finisher & Fire Dept. Supplies, etc.), 1320 Ridge av
§Cohocksink Brass Fdry, 5th & Berks
•Coles Mfg. Co. (Grinding Mills, etc.), 1615 N 23d
•Colladay Jos. O. Co. (Woodworking Machinery), 626 Race
†Columbia Record Stove Co. (Stoves, etc.), 624 S 2d
•Cooper Dyer (Machinist & Pumps), 615 N Galloway
•Cooper Sanitary Mfg. Co. (Plumbers' Brass Work), 34th & Chestnut
•†Cox Abram Stove Co. (Stoves & Heating Apparatus), N American c Dauphin
•†Cox & Sons Co. (Steam Engines & Pipe Cutting & Threading Machines), 5th & Chestnut. Works: Bridgton, N. J.
•Coyle H. B. Iron Works, 622 Filbert
•†§Cramp Wm. & Sons Ship & Engine Building Co. (Steel Ships, Marine Engines, etc.), Beach & Ball
§Crescent Phosphorized Metal Co. (Phosphor Bronze, Copper & Tin), 2314 Wood
•†Cresson Morris Co. (Power Transmission & Sugar Machinery, etc.). Allegheny & 18th
•†Creswell Sam'l J. Iron Works (Inc.) (Iron Fdrs. & Bldrs.' Iron Work), Cherry & N 23d
•†Crompton & Knowles Loom Works, 16th & Glenwood. (See Worcester, Mass.)
•Dallett Thos. H. Co. (Pneumatic Tools, etc.), 1301 Federal
•Defiance Mfg. Co., Sumerdale Sta.
†Deily & Fowler Mfg. Co. (Gas Tanks etc.), 39 Laurel
•Deissler P. & Bro. (Machinists), 249 S 6th
•†§Devlin Thos. Mfg. Co. (Malleable & Grey Iron & Brass Fdrs., Malleable Iron Fittings & Carriage & Saddlery Hardware, etc.), N 3d & Lehigh av
•Dewees Jno. W. (Machinist), 640 Filbert
•Diamond Textile Machine Works (Textile Machy., etc.), 1820 N 10th
•Dienelt & Eisenhardt (Hydraulic Jacks, Power Hammers, etc.), 1304 N Howard
•Dietz Machine Works (Envelope, Cigarette & Match Box Machy), 126 Fontain
†Diller, Caskey & Keen (Stoves & Light Castings), N 6th, c Berks
•†Disston Henry & Sons (Inc.) (Saws, Tools, etc.), Tacony
•D'Olier Centrifugal Pump & Machine Co. (Centrifugal Pumps, etc), 1421 Chestnut
§Dunn & Eldridge Co. (Brass & Bronze Hdw., etc.), 6 N 6th
•†Earle Gear & Machine Co. (Cut Gears, Machy., etc.), Stenton & Wyoming av
Eby H. H. Mfg. Co., S W cor 13th & Wallace
*See adv index at end of book*
•Electric Storage Battery Co. (Storage Batteries, etc.), 19th & Allegheny
•§Ellis G. D. & Sons Co. (Brass Specialties, etc.), 309 N 3d
•Ellison Bros. (Machine Tools, etc.), 2213 Bridge, Fkd.
•Energy Elevator Co. (Elevators), 214 New
•†Enterprise Mfg. Co. of Pa. (Meat Choppers, Lawn Mowers & Sprinklers, & Hdw. Specialties, etc.), N 3d & Dauphin
•Espen-Lucas Machine Works (Machine Tools, Cold Saws, etc.), 21 Girard
•Evans Jno. Sons (Car & Carriage Spring & Leather Machy), 506 N 13th
•§Evans S. W. & Son (Brass Goods), 4623 Paul
§Excelsior Brass Works, 1517 Spring
•§Eynon-Evans Mfg. Co. (Engineers' Specialties & Brass Composition Castings), N. 15th & Clearfield
Fairmount Foundry Co., Duncannon & Clinton
•Fairmount Machine Co., 10 N 19th
•Fischer Machine Co. (Paper Bag & Special Machy), 310 N 11th
•†§Flagg, Stanley G. & Co. (Iron & Steel Fdrs., Steam Pipe Fittings), Morris bldg
•Fletcher Wks., Glenwood av
•†Florence Iron Works Iron Fdrs. & Machinists), 400 Chestnut. Works: Florence, N. J.
•Flower D. B., 1217 Spring Garden
•§Ford Bros. & Co. (Machinists & Brass Fdrs.), 1610 S Front
†Ford & Keudig Co. (Iron Pipe, etc.), 312 N 24th
•†Fowler & Wolfe Mfg. Co. (Radiators, etc.), Bourse Works: Norristown, Pa.
•§France Packing Co., Inc. (Metallic Packing, etc.), 6510 State rd, Tac.
†§•Frankford Fdry. & Mach. Wks., 611 Widener bldg
•Frankford Mach. Co., Inc., 4097 Frankford av
†•Freed Heater Co., Inc., 667 Phila. Bourse
•Geforer C. & Son (Gas Burners & Brass Goods), 1017 Ridge
•General Engineering Co. (Machy. Repairs, etc.), 717 S Front
†Gensel Fred. & Co (Iron Railings, etc.), 911 Vine
•Germantown Tool Works (Tools, etc., 521 Market
†Girard Iron Works (Iron Fdrs. & Machinists, Brewers' Machy., Castings, etc.), 22d & Master
•Girard Machine & Tool Co. (Machy. & Tools), 491 N 3d
•†§Globe Machine & Fdry. Co., Inc., Tackawana & Church, Fkd
•†Glover Bros. (Iron Founders & Hdw. Specialties), Paul & Vandyke
•Griffin Jno. J. & Co. (Gas Meters, etc.), 1513 Race
•§Griffiths Jas. A. (Injectors, etc.), 1315 Buttonwood
•Grissinger Machine Co, 904 Quarry
§Guest Geo. (Awning Frames, etc.), 4423 Ludlow
•§Haines, Jones & Cadbury Co. (Brass Fdrs., Plumbers' Brass Goods & Supplies), 1136 Ridge av. Works: Norristown, Pa.
•§Hale & Kilburn Co. (Car Seating, etc.), 18th & Lehigh av
•§Halstead & Co. (Brass Fdrs. & Finishers), 1129 Cherry
•Haltons Thos. Sons (Textile Machinery), Allegheny av & C
•Harman Bros. (Engineers & Machinists), 1915 Washington av
•Harrington Edwin Son & Co. (Machine Tools, Chain Hoists, etc.), N 17th & Callowhill
•†Harrison Safety Boiler Works (Feed Water Heaters, Feed Water Meters, Steam & Oil Separators, Back Pressure & Atmospheric Relief Valves, Water Softeners, Ice Breakers), 3147 N 17th
§Hartman Co. (Valves; Tuyeres, Coolers, Liquid Cinder Cars, etc.), 123 N Front
Harton Pembroke D. Co. (Bakers' Machy.), Lawrence & Leigh
•Haskell Dawes Machine Co. (Textile Machinery), Trenton & Erie. (See Boston, Mass.)
•Hawkins Wilson Co. (Steel Die Stamping Presses), 712 Sansom
•Helme & McIlhenny (Gas Meters, etc.), 1339 Cherry
•Henderson Machine Co. (Machy. Mfrs.), 5032 Gtn. av
•§Hentschke Albert & Son (Surgical & Dental Instruments, etc.), 731 Race
•Hepworth Jno. W. & Co. (Textile Machy), cor Lehigh av & Macher
•Hess Bright Mfg. Co., Front & Erie av
•Hess Machine Works, Jno. A. Hess, Machinist & File Machy), 4951 Lancaster
•Hess & Barker (Engineers & Machinists, Tablet Machines), 618 Chestnut
•§Hey M. Mfg. Co. (Brass Fdrs. & Brewers' Specialties), 633 N 3d
§Hitz Chas. R., 2326 N 5th
•Hodson G. & A. (Pulleys, etc.), 226 Arch
•§Homer Brass Works (Inc.) (Brass Fdrs. & Finishers), 231 Race
•Hood, R. H. Co. (Worster & Curled Hair Machinery), 1842 Gtn. av
•†Hoopes & Townsend Co. (Bolts, Nuts, Washers, etc.), Broad & Buttonwood
§Horn & Brannen Mfg. Co. (Inc.) (Gas Fixtures & Brass Fdrs.), 427 N Broad
•Horridge & Hinman (Machinists), 628 Race
•†Horrocks Iron Works (Builders' Iron Works), 234 N Broad
•Hub Machine Welding & Contracting Co. (Metal Sawing Machines, etc.), 450 N 12th
†Hughes & Patterson (Iron Fdrs.), 800 Richmond
•Hughes & Russum (Beaming Machines, etc.), Oxford & Hedge
•Insinger Co. (Dish Washing Machines, etc.), Stenton av
•Jaeger Automatic Machine Co, (Slot Machines), 2238 N 9th
•Jefferson Machine Co., Denkla bldg
•Jesson Jno. B. (Machinist), 424 Vine
•Johnson Israel H., Jr., Co. (Machine Tools), 337 N 15th
•Kaltenthaler Henry J. (Flanges & Flange Fittings, etc.), 234 Cherry
†Kappler-Fox Foundry Co. (Stoves, etc.), York & Thompson
•†Kensington Engine Wks. Co. (Engines, etc.), Beach & E Berks
•Keystone Spring Works (Carriage Springs, etc.), 13th & Buttonwood
•Keystone Structural Co. (Steel Structural Work), Harrison bldg.
•Kinetic Electric Co. (Dynamos & Motors), 16 S Schell
§Kirn M. L. & Bro. (Brass Fdrs.), 2135 N Lawrence
•§Kitson Hydro-Carbon Heating & Incandescent Lighting Co. (Plumbers' Brass Goods, etc.), 2819 Oakford
§Klause Chas. (Brass Fdry. & Metal Spinning), 460 N 12th
•Kruger & Blind Co., 511 Master
•†**KUTZTOWN FOUNDRY & MACHINE CO.** (Boiler Fronts, Grate Bars, Compound Separators, etc.), 1421 Chestnut
*See adv index at end of book*
•Lanston Monotype Machine Co. (Typesetting Machines), 24 & Locust
†§•Lehigh Coal & Navigation Co., 437 Chestnut
•Leonard Machine Works (Special Machy. & Parts), 1222 Race
•†Liberty Stove Co. (Ranges, Furnaces, etc.), 308 Chestnut
•Light Railway Equipment Co., Commercial Trust bldg
•Lindsay, Hyde & Co., 2130 E York
†§Lindsay Wm. A., Kranis & Wilde, Myk
•†**LINK-BELT CO.** (Elevating, Conveying & Power Transmitting Machinery), Hunting Park av & P. & R. Ry
*See adv index at end of book*
•§Lonergan J. E. Co. (Brass Fdrs. & Finishers & Steam Specialties), 211 Race
•Loomis-Manning Filter Co. (Water Filters), Land Title bldg, Reed & 37th
•Lorimer Machine Co. (Textile Machy.), Ontario & Lawrence
•Lovekin Pipe Expanding & Flanging Machine Co., 421 Chestnut
§Lukens Thos. F. Metal Co. (Canning Factory Supplies), 238 N 4th
•Lusse Bros. (Machinists), 2807 N Fairhill
•Lutz Co. (Special Machinery, etc), 31st & Grays Ferry rd
•Lynwood Mfg. Co., Westmoreland & Hancock
•McCaffrey File Co. (Files, etc.), Berks
•§McCambridge Co. (Plumbers Brass Goods, etc.), 315 N 20th
§McHatton Foundry Co. (Brass Fdrs. & Smelters), 1500 Washn. av
•McMichael Abner (Machinist), 22 Armat, Gtn.

PENNSYLVANIA—Philadelphia—continued.

*McNiece Wm. & Son (Saws, etc.), 515 Cherry
*Maerky Emil, 218 Arch
*Maris Bros. (Cranes & Hoists, etc.), S 56th & Gray's av
§Massa George (Locks, etc.), 245 S 6th
†§May H. A. Foundry Co., 61st & Eastwick
*Mayall Lewis A. & Son (Machinist), 748 S Samson
*Mercury Machine Co, (Inc.), (Key Seating Machines), 2117 N Broad
*Midland Metal Co. (Inc.) (Ornamental Brass & Bronze Work), 21st & Jefferson
*†Midvale Steel & Ordnance Co., Widener bldg
*§Miller Lock Co. (Locks, etc.), 4523 Tacony
*§Mills Thos. & Bro. (Inc.), (Brass Fdrs. & Confectioners' Machy.), 8th & Thompson
*Mitchell John (Millwright, Machinist & Bldrs.' Iron Work), 2224 Vine
*†§Moore & White Co. (Iron Fdrs. & Machinists, Paper & Pulp Mill Machy., etc.), N 15th & Lehigh av
*†§Morris I. P. Co. (Engines, Pumps, Turbines, Castings, etc), Richmond & Norris
†*Morris Truck & Wheel Co., Isabel rd & 75th
*§Mousley's Chas. Sons (Brass & Bronze Castings & Ship & Car Hardware Mfrs.), 457 N 12th
*§Nacke A. & Son, 236 S 9th
*National Automatic Knitter Co. (Inc.), (Textile Machy., Knitting Machines, etc.), 2725 Mutter
*National Metal Edge Box Co. (Metal Edge Box Machines), 1217 Callowhill
*National Specialty Mfg. Co. (Drug Mills, etc.), 3d & Lehigh av
*†§Nelson Valve Co. (Valve Mfrs., Brass, Iron & Steel Founders, etc.), Harrison bldg
Newton Edwin A. (Emery Grinders, Knitting Machy., etc.), 310 N 4th
*†Newton Machine Tool Works (Machine Tools), 23rd & Vine
*†Niles-Bement-Pond Co, (Machinists & Machine Tools), 21st & Callowhill. (See New York City)
*Norbom Engineering Co. (Dredging Machinery), Denckla bldg.
§North American Smelting Co. (Babbitt Metal, Brass and Phosphor Bronze, etc.), 9th & Thompson
*†§North Bros. Mfg. Co. (Brass & Iron Fdrs. Hardware & Specialties), Lehigh av, cor American
*Northern Machine W'ks, Marshall & Jefferson
*Novelty Electric Co. (Electric Specialties), 50 N 4th
*Nye & Tredick Co. (Textile Machy.), 720 Cherry
*O'Neill Elevator Co. (Elevators), 628 Cherry
§Oat Jos. & Sons (Sugar Machinery & Distilling Apparatus), 232 Quarry
*Oldham Geo. & Son Co. (Pneumatic Tools), 4326 Lackawanna. Fkd.
*Olsen, Tinius Testing Machine Co. (Testing & Hydraulic Machy.), 500 N 12th
*Orum Morris L. (Machinist), 503 N 11th
§Ott Geo. F. Co. (Machy. for Brewers, Maltsters, Chemical Works, etc.), 209 Buttonwood
*†Otto Engine Mfg. Co. (Gas Engines), 33d & Walnut
*Paiste H. T. Co. (Electrical Specialties), 3201 Arch
*†Pancoast Henry B. Co. (Iron Pipe, Fittings, etc.), 950 N Front
*Paxton & O'Neill (Knitting Machines), 541 N 3d
*Peerless Belt Lacing Machine Co. (Belt Lacing Macines), Swanson & Moore
*†Penn Seaboard Steel Corp. (Casting Acid Open Hearth Steel of All Descriptions), Franklin Bank bldg
*See adv index at end of book*
!Penna. Forge Co. (Forges), Jenks & Bath
Pennsylvania Instrument Co., 618 Chestnut
*See adv index at end of book*
*§Perkes Chas. (Est. of), (Brass Fdr. & Plumbing Goods), 627 Arch
†Perseverance Iron Foundry Co. (Ltd.), (Iron Fdrs.), Passyunk & Federal
*§Phila. Coppersmithing Co. (Brass Fdrs. & Coppersmiths), 222 N Front
*Philadelphia Drying Machinery Co. (Drying Machy., Fans & Presses), 3351 Stokley
*Philadelphia Electrical & Mfg. Co. (Electrical Specialties), 1236 N 31st
*Philadelphia Gear Works (Gears, etc.), East Vine
*†Philadelphia Hardware & Malleable Iron Works, 9th & Jefferson
*Philadelphia Lawn Mower Co. (Lawn Mowers, etc.), 3101 Chestnut
*Philadelphia Machine Screw Works, 624 Race
*Philadelphia Novelty Mfg. Co. (Inc.), (Hardware Specialties, etc.), 13th & Noble
†*Philadelphia Roll & Mach. Co., 25th & Washingon
†Philadelphia Sash Weight Works, Glenwood av nr 22d
†Philadelphia Stove & Iron Foundry Co. (Iron Fdrs. & Stoves, Ranges & Grey Iron Castings), 1631 N 5th
*†Phoenix Iron Co. (Iron Founders & Machinists & Steel Mfrs.), 22 S 15th. Works: Phoenixville, Pa.
§Phosphor-Bronze Smelting Co. (Phosphor Bronze), 2200 Washington av
*Plumb Fayette R. (Inc.) (Edge & R R. Track Tools, etc.), Tucker & James
*Power L & Co. (Wodworking Machinery), 20 S 23d
*Pressed Steel Mfg. Co. (Ball Bearings, Bearings, etc.), Land Title bldg
Proctor & Schwartz, Inc. (Formerly Phila. Textile Machy. Co.), 7th & Tabor rd
*See adv index at end of book*
*Railway Steel Spring Co. (R. R. Springs, etc.), 1022 Newmarket. (See New York City)
§Reeves Paul S & Co. (Brass & Composition Castings & Bearings, etc.), 1415 Catharine
†Reeves Sam'l V. (Stoves, etc.), 45 N 2d
*Rehfuss George & Sons, 1311 Carlisle
*Reid A. H. Creamery & Dairy Supply Co. (Creamery Machy., etc.), 69th & Haverford
*Reid Robert, 71 Laurel
Remington & Sherman Co. (Safes, Vaults, etc.), 636 Richmond
*Rich J. & G. (Machinists), 120 N 6th
*Richards Bros. (Machinists), Umbria & Pa. R. R. Manyunk
*†Richmond Radiator Co., 2241 N American. (See New York)
*†Riehl Bros. Testing Machine Co. (Testing Machines, Jacks, Presses, etc.), 1424 N 9th
*Riehl H. & Son (Machinists), 1130 Orianna
*Ritter Machine Co., 19th & Glenwood
†§*Roberts H. S. Co., Harrison bldg
†Roberts & Mander Stove Co (Stoves, etc.), Washington av & 11th
*Rooksby E. J. & Co., 435 N 11th, Phila., Pa.
§Rosenthal's Jos. Sons (Brass Castings, etc.), 190 Berks
*Roth Gottlieb 602 Beach
*Rowan Hy. A., Jr. Co. (Machinist), 2036 Sansom
*Rudolph Wm. F. (Machinist), 1308 Girard av
*Ruwell Wm. F. (Engine Repairs, etc.), 719 Noble
*§Savill Thos. & Sons (Brass Fdry. & Finisher, Plumbing Goods), 320 N 11th
*Schade Valve Mfg. Co. (Valve Mfrs.) 2528 N American
§Schaefer Emil (Brass Fdr. & Coppersmith), 1322 N. 5th
*Schaeffer Machine Works (Special Heavy Machy.), 35th & Gray's Ferry rd
*†Schaum & Uhlinger (Textile Machy., Looms, Iron Fdrs., etc.), N American & Glenwood
*Schiller Fred'k & Co., 323 N. 3d
*Schiller, Nolan & Co. (Cylinder Reboring & Machinists), Darien & Wood
†Schneider Bowman Co., Frankford & Van Dyk
*Schober Geo. M., 3231 Market
§Schoenewald Robert
*†Schofield Wm. Co. (Iron Fdrs. & Textile Machy.), Kram's av ab. Wilde, Manayunk
*Schramm Chris. D. & Son Inc., 709 Arch
*†Scullin Simon (Est. of) Cambria & American
*†§Sellers Wm. & Co. (Inc.) (Machine Tools & Heavy Machy.), 1600 Hamilton
§Sheeler-Hemsher Co. (Brass Fdrs.), 811 Fairmount av
*†Sheppard Isaac A. Co. (Stoves, Ranges & Furnaces), Land Title bldg
§Shimer, McGlynn & Co. (Smelters, etc.), 19th & Washington av
*Shuster Plumbing Supply Co. (Iron Fdrs., Cast Iron Pipe & Plumbers' Castings, etc.), Willow & Franklin
*Simon Omer, 4030 Filbert
Smith, Drum & Co. (Textile Machinery), Allegheny av & 5th
*†Smith & Furbush Machine Co. (Textile Machy.), Hancock & Somerset
*†§Southwark Foundry & Machine Co. (Engines, Rolling Mill Machy., etc.), 430 Washington av
*†Specialty Engineering Co. (Elevating & Conveying Appliances), Trenton & Allegheny, Cornwall
*Sprague Wm. & Co. (Machinists), 630 Filbert
*Standard Cast Iron Pipe & Foundry Co. (Cast Iron Pipe & Castings),
*Standard Machine Co. (Inc.) (Textile Machinery), 330 N 12th
*Standard Meter Co. (Gas Meters, etc.), 3117 N 17th
*†§Standard Steel Works Co. (Steel Castings, etc.), Morris bldg
*Standring Sam'l, Hope & Somerset
Stiffel & Freeman Co. (Safes, etc.), 723 Chestnut
*Stokes F. J. Machine Co. (Pharmaceutical Machy., etc.), 17th c Cambria
*†Stokes & Parrish Elevator Co. (Elevators), 16th & Sansom
*†Stokes & Smith Co. (Paper Box Machinery), Summerdale Sta.
*Stortz John & Son (Tools, Dies, Punches, etc.), 210 Vine
*Stow Flexible Shaft Co., 26th & Callowhill
*†Straub A. W. Co. (Grinding Machy., etc.), 3741 Filbert
*Sulzer & Co. (Gas Fixtures, etc.), 252 N 11th
§Sutterley G. T. & Co. (Silverplated Ware & Brass Goods), 172 N 2nd
*Swelgard Jos. L. & Co. (Pneumatic & Pump Machy.), Lincoln bldg
*Tabor Mfg. Co. (Fdry. Molding Machines, etc.), 18th & Hamilton
†Temple Malleable Iron & Steel Co. Malleable Iron & Steel Castings), Harrison bldg. Works: Temple, Pa.
*†Thomas, Roberts, Stevenson Co. (Stoves, etc.), American & Dauphin
*Thompson Bros. (Machinists), Milnor
*†Thompson J. & Co. (Iron Fdrs. & Machinists, Valves, Fire Hydrants & Castings, etc.), Van Horn & Sophia
*Tilghman Brooksbank Sand Blast Co. (Sand Blast Machinery, etc.), 1126 S 11th
*Troemner Henry (Scales, etc.), 911 Arch
*Turner Machine Co. (Sprue Cutting Machines, etc.), 3632 N Lawrence
*Underwood H. B. & Co. (Cylinder Boring Bars, etc.), 1025 Hamilton
*Union Machine Works & Iron Foundry (Grey Iron Castings), 1821 So Water
*United States Metallic Packing Co. (Metallic Packing, etc), 221 N 12th
§United States Smelting Works (Smelters, etc.), 1615 Spring Garden
*Universal Machine Works (Bottle Washing Machines, etc.), 1060 Germantown
*Vogt Brosst Squier Co., 3101 Ludlow
*Walker Electric Co. (Electric Switches, etc.), 2337 Callowhill
*Walker Thos., Jr., 4617 Tacony, Fkd
*Walters Geo. C., 1316 Ellsworth

•Walton P. M. (Machinist & Millwright), 1019 Gtn av
†Ward Joseph T. (Iron Railings, etc.), 5809 Baynton
•Watson & McDaniel Co. (Steam Traps, Valves, etc.), 146 N. 7th
•Watts & Stern (Electrical Machinists) 1303 Buttonwood
•Wenzell S. S. Machine Co. (Bottle Working Machy., etc.), 50 & Parkside av
•†Wharton Wm., Jr. & Co. (Steel & Grey Iron Castings, also Operates a Machine Shop), Widener bldg
•†Wheeler C. H. Mfg. Co. (Steam Pumps, etc.), Lehigh & N 18th
§White & Bros. (Brass Founders & Smelters), 1505 E Montgomery
•Whitecar Joseph Iron Works, 402 S Water
†Wilfong Millard F. Iron Works Co., 52d & Gray's av
*Williams Wm. D. Jasper & Willard
•Wirt & Knox Mfg. Co. (Hose Reels, etc.), 23rd & York
•§Wonderly Abner H. (Builders' & Upholsterers' Hdw., etc.), 621 Commerce
•†Wood R. D. & Co. (Cast Iron Pipe, Hydraulic & Gas Works Machy., etc.), 400 Chestnut
•Wootten & Peckworth (Machinist), 1122 Hamilton
•§Wright Mfg. Co. (Brass Fdrs. & Finishers), 133 Master
•Yockel Chas. & Sons (Machinists, Moulds, etc.), 1220 N. Lawrence
†§•Yocom James & Son, 145 N 2nd
PHILLIPSBURG—•†§Gill Mfg. Co.
PHOENIXVILLE—•Heinle Safety Boiler Co. (See St. Louis, Mo.)
†Madco Foundry & Machinery Co. (Iron)
•†§Phoenix Iron Co. (See Phila., Pa.)
PILLOW—•†Snyder Thos. L. (Iron Fdry. & Machinists)
PITTSBURGH—†*Acme Brass Fdry. Co., 4042 Liberty av
•§Adams Bros. Mfg. Co. (Gas Burners, etc.), Fayette & Chartiers
Ajax Mfg. Co., 848 Jackson
†Allegheny Foundry Co., Boquet & Grant
•†Allegheny Steel Co. (Machine Shop & Foundry for Own Use), Oliver bldg. Works: Brackenridge, Pa.
Aluminum Co. of America, Oliver bldg *See adv index at end of book*
•†§ American Bridge Co., Frick bldg
*†American Chain Co.
•†American Fdry. & Const. Co. (Valves, Castings, etc.), 2d av & Longworth
•†§American Locomotive Co., Beaver & Stanton
•†§American Sheet & Tin Plate Co. (Iron, Steel & Brass Castings, all Consumed by the Company, also Machine Shops), Frick bldg
•American Steel Foundries (Steel Castings) Park Bldg.
•†American Steel & Wire Co., Frick bldg *See adv index at end of book*
•†Anderson-Darragh Co. (Ltd.) (Steam Heaters, etc.), 3206 Penn av
•Axthelm Mfg. Co., 242 3d av
•§Bailey-Farrell Mfg. Co. (Brass Fdrs. & Plumbers' Supplies), 3d av & Ross
•Baltimore Car & Foundry Co., Continental bldg
§Bell Bros., 27th & A. V. R. R.
•†Bollinger-Andrews Construction Co. Empire bldg Structural Shops, Verona, Pa.
†Bronzbraswyt Metals Co., 4901 Butler
•Buechele Iron & Tool Works Co. (Tools, etc.), 4127 Liberty av
•§Cadman A. W. Mfg. Co. (Valves, Cocks & Iron & Brass Castings), 2816 Smallman
•†§Carnegie Steel Co., Carnegie bldg
•Carron A. M. Machine Co. (Small Electric Air Pumps, etc.), Penn & Barbeau
•§Chaplin Fulton Mfg. Co., 34 Penn av
•†Cyclops Foundry Co. (Iron Castings, Pipe Balls, etc.), Union Bank Bldg.
§**DAMASCUS BRONZE CO.** ("Damascus," Bronze Castings, Bearings, etc.), North Side
*See adv index at end of book*
•Danver R. H. (Machinist), 845 Pennsylvania av, North Side
•†Dilworth, Porter & Co. (Ltd.) (Chilled Mill Castings, etc), 4th & Bingham
*Doerflinger Artificial Limb Co., 3001 East
•**DUFF MFG. CO.** (Lifting Jacks, All Kinds) *See adv index at end of book*
•†Duquesne Steel Foundry Co. (Steel Castings & Machine Shop for Own Use), Arrott Bldg. Works: Corapolis, Pa., North Side
†Early W. J. & Sons (Ltd.) (Grey Iron Castings), 812 Sarah
*†Elliot B. K. Co. (Mine Fans), 126th 6th
*See adv index at end of book*
•†Enterprise Foundry Co., Ltd. (Castings, etc.), Nixon & Manhattan North Side
•†§Epping-Carpenter Pump Co. (Pumping Machinery & Condenser), ft 43d
•Equitable Meter Co. (Gas Meters & Appliances), 424 1st av
•†Fawcus Machine Co. (Gears of All Kinds, Rolling Mill & Special Machinery, etc), 2818-2828 Smallman
*See adv index at end of book*
•†Fischer Foundry Co. (Rolling Mill Machy. & Castings), 1616 Roland
•†§Fort Pitt Bridge Works, House bldg
†Fort Pitt Malleable Iron Co., Thompson & Crawford
•Fort Pitt Spring & Mfg. Co.
Franklin Park Foundry Co. (Malleable Iron Founders), Herrs Island
•†Garrison A. Foundry Co. (Rolling Mill Machy. & Castings etc.), 901 Bingham
•Gazzam H. P. Machine Co. (Special Machinery), 32d & Penn av
•**GEM MFG. CO.** (Flexible Shafts, Boiler Tube Cleaners, Drills, etc.), Goebel, nr Fulton, N. S.
*See adv index at end of book*
•Gettner K. H. Co. Cecil Pl
•Gillespie Mfg. Co., 810 Brocket
•†Goodman Engine & Machine Co (Engines & Machy.) S 15th & Muriel
•Gracey R. & Sons Co., 115 1st av
†Hall Steam Pump Co., 213 Galveston.
•Heppenstall Forge & Knife Co. (Shear Knives, etc), 47th & Hatfield
•Heyl & Paterson (Rolling Mill, etc.), 51 Water
•Hunter Saw & Machine Co. (Saw Sharpening Machines, etc.), 57th & Butler
*International Couplers Co., 239 4th av
•†Iron City Sanitary Mfg. Co. (Plumbers' Cast Iron Enamel Ware), Oliver bldg
•Iron City Tool Works (Ltd.) (Machine Tools), 3201 Smallman
•†§Johnetta Fdry & Machine Co., 1st Natl Bk bldg
•†Kelly Nicholas & Son (Founders), 1704 Wharton
•†§Kelly & Jones Co. (Iron & Brass Fdrs., Steam Specialties, Valves. etc), 135 Water
•§Keystone Bronze Co. (Rolling Mill Castings & Specialties, etc.) 39th & A. V. R. R.
*See adv index at end of book*
†Lathwood Foundry Co., 30th & Wayne
•§Lawrenceville Bronze Co. (Copper & Bronze Castings for R. R., Mills, etc), Bessemer bldg
•†Lewis Foundry & Mach. Co. Works: Groveton, Pa.
•McClintic-Marshall Co. (Steel Structures, etc), Oliver bldg
*†McConway & Torley Co. (Steel Castings & Railroad Specialties, etc), 48th & A. V. R. R.
†McCormick J. S. & Co., 25th & A. V. R. R.
•§McKenna Brass & Mfg. Co., Inc. (Brass Fdrs. & Finishers), 1st av & Ross
•McKinney Mfg Co. (Hinges, Butts, Hdw., etc.), Liverpool & Metropolitan
•McSherry Mfg. Co. (Power Presses. Punches & Shears)
*†§Mackintosh, Hemphill Co. (Rolling Mill Machinery, Engines, Iron, Steel & Brass Castings, etc.), ft. of 12th
•Marine Mfg. & Supply Co., 35 Water
•Marshall Bros. (Elevators, etc.), 2015 S 21st
•†Marshall Foundry Co. (Iron Fdrs., Rolling Mill & Builders' Castings, Ingot Molds, etc.), 28th & R. R.
§Matthews James H. & Co. (Stencils, etc.), 3942 Forbes
•†§**MESTA MACHINE CO.** (Rolling Mill Machy. & castings), Box 1124. Works West Homestead, Pa.
*See adv index at end of book*
•Milholland J. & J. B. Co., 714 5th av
•†Munroe R. & Sons Mfg. Corp. (Boiler Castings & Boiler Mfrs.), 23d & Smallman
•†National Car Wheel Co. (Car Wheels & Iron & Brass Castings), Keystone bldg.
•†National Gear Wheel Foundry, South & Walker
•†§National Tube Co., Frick bldg
•†National Valve & Mfg. Co. (Valves & Fittings, etc.), 31st & Liberty
•New Castle Steel & Iron Co. Works: New Castle, Pa.
§Newlands Bros., 28 & A. V. R. R.
•**NUTTALL R. D. CO.** (Gears & Pinions of All Kinds, etc.), McCandless & Harrison av
*See adv index at end of book*
§*Oberndorf Mfg. Co., 7509 Thomas blvd
•†§Oil Well Supply Co. (Oil & Gas Mill Supplies, Gas Engines, etc.), 215 Water.
*Peerless Heater Co. (Steam Heaters), 5602 Baun blvd
•†Penna Casting & Machine Co. (Car Wheels & Axles), 501 Preble
§Penna. R. R. Co. (Brass Foundry, etc). North Side
*Pennsylvania Smelting Co., 1st National Bank bldg
•Pfaller Frank (Jobbing), 6947 Susquehanna
•†Phillips Mine & Mill Supply Co. (Coke & Coal Equipments), 2227 Jane
•†Phillips & McLaren Co. (Heavy Castings & Rolling Mill Machy., etc.)
•†Pittsburgh Brass Mfg. Co. (Plumbers' Brass Specialties & Brass & Bronze Castnigs, etc.), Penn & 32nd
•Pittsburgh Coal Washer Co. (Coal Mining Machinery), Fulton bldg
•**PITTSBURGH-DES MOINES STEEL CO.** (Bridges, Towers & Structural Work), 4th & Ross
*See adv index at end of book*
•Pittsburgh Electrical & Machine Works (Dynamos & Motors, etc.), Barker pl
•Pittsburgh Forge & Iron Co. (Machine Shop Connected with Works), Chamber of Commerce bldg
•†Pittsburgh Foundry & Machine Co., ft 36th
•Pittsburgh Instrument & Machine Co., 236 3rd av
•Pittsburgh Iron Works Co., 2170 Bedford av
•†§Pittsburgh Lamp, Brass & Glass Co. 130 7th
•†Pittsburgh Piping & Equipment Co. (Brass & Bronze Fdrs. & High Pressure Pipe, Pipe Fittings, etc.), 35th & Charlotte
•Pittsburgh Reinforced Brazing & Mach. Co., 2515 Liberty
•Pittsburgh Spring & Steel Co., Farmers Bank bldg
•†Pittsburgh Steel Foundry (Steel Castings & Car Wheel Centers, etc.). House bldg. Works: Glassport, Pa.
•†§Pittsburgh Valve, Foundry & Construction Co. (High Pressure Valves & Fittings, Iron & Brass Castings, etc), 26th & A. V. R. R.
•†§Pittsburgh Valve & Fittings Co.
•§Pittsburgh Water Heater Co., Jenkins bldg
•†Pressed Steel Car Co. (Steel Cars), 307 5th av
•†Rees Jas. & Sons Co. (Steamboat Bldrs.), 18 4th

PENNSYLVANIA—Pittsburgh—continued
*†**Reliance Steel Casting Co. (Iron & Steel Castings, etc.)**, 28th & Smallman
*Renton Wm. (Cylinder Re-Boring, etc.), 101 Water
Rieseck Iron Wks. (Bldrs' Iron Work, etc.), 1201 Metropolitan
*†Rosedale Foundry & Machine Co. (Rolling Mill & Tube Mill Machinery & Castings, etc), Columbus & Preble
*Russell J. C. Shovel Co. (Small Machine Shop for the Company's Own Use), 336 4th av
*Russel Machine Co., 28th & A. V. R. R.
*†Seaman-Sleeth Co. (Sand & Chilled Rolls), 41 & Willow
*†Simonds Mfg. Co. (Gears, Pinions & Electric Railway Specialties, etc.), Liberty av & 25th
*Sommerfeld Machine & Mfg. Co. (Gears & Glass House Machinery), 216 2nd av
*Spang, Chalfant & Co. (Works Contains Two Machine Shops), Union Bank bldg. Works: Etna, Pa.
†Springfield Foundry Co. (Iron Fdrs.), 3215 Smallman
*Standard Metal Bed Refinishing Co., Foreland & James, N. S.
*†§Standard Sanitary Mfg. Co. (Sanitary Enameled Iron Goods, etc.), Bessemer bldg.
*†Standard The, Scale & Supply Co, (Scales, etc.), 1631 Liberty av. Works: Beaver Falls, Pa.
*See adv index at end of book*
*†Standard Steel Car Co. (Steel Cars, etc.), A V R R. Works: Butler, Pa.
*†Steel Car Forge Co. (Steel Cars, etc.) Works: Ellwood City, Frick bldg, Pa.
*†Sterritt-Thomas Foundry Co. (Fdrs. & Machinists, Rolling Mill & Mach'y Castings, etc.), 32nd & Smallman
*Stoner, Thaw & Co. (Ltd.) (Filters, etc.), 1200 West Carson
*†Stove & Range Co. of Pittsburgh (Stoves, Furnaces, etc.), Preble av nr. Superior bridge
†Stroh Steel Hardening Process Co. 1st National Bank bldg
*Swain & Angel Co. (Steam Engines), 3105 Smallman
*Tate, Jones & Co. (Machinists & Fuel Gas Burners, Gas Engines, etc.), Empire bldg
Tracy, Bertrand C. (Repair Parts for Coal Cutting Machines), 901 Pennsylvania av
*Tranter Mfg. Co., 105 Water
*†Union Spring & Mfg. Co., 1211 Fulton bldg
*See adv index at end of book*
†Union Steel Casting Co. (Steel Castings & Annealing Boxes)
Union Switch & Signal Co., Swissvale
*†United Engineering & Foundry Co. (Rolling Mill Machinery), Keenan bldg
*†United States Cast Iron Pipe & Foundry Co., Oliver bldg. (See New York)
*†United States Sanitary Mfg. Co. (Plumbers' Cast Iron Enameled Ware), Arott bldg
§Vanadium Metals Co. (Brass, Bronze & Aluminum Castings), Vanadium bldg
*Vierling Machine Co., Phipps Power bldg
§Wayne Brass Fdry. Co., 4635 Butter
*†**WESTINGHOUSE AIR BRAKE CO.** (Air Brakes, etc). Works: Wilmerding, Pa.
*Williams Gauge Co. (Gauges, Pumps, Governors, etc.), 543 4th av
*†§Wilson-Snyder Mfg. Co. (Steam Pumps & Air Compressors), 2 Ross
*Wolverine Supply & Mfg. Co. (Dies, Special Machinery, etc.), Page & Fontella
*Wormser Glass Co., 2d & Sylvan aves
PITTSTON—*Delahunty Dyeing Machine Co. (Dyeing Machines, etc.)
†§Exeter Machine Works (Elevating & Conveying Machinery, Grey Iron & Brass Castings, etc.)
*Huntley J. G. (Mine Drills, etc.)
†Pittston Stove Co. (Stoves)
*Telescope Mine Machine Co. (Mine Drills, etc.)
*†§Vulcan Iron Works
PLYMOUTH—*Bittenbender Geo. H. & Son (Mine Drills)
*†Howell's Mining Drill Co. (Coal & Rock Drills)
*Moss George A. (Mining Drills, etc.)
*Reese Sephaniah (Machy. & Tool Works)
POMEROY—*Phillips M. T.
PORT ALLEGANY—*Benson Fred S.
PORT CARBON—†§*Coxe Traveling Grate Co.
§De Witt E. W. & Son
PORTLAND—†Pearson Leroy
POTTSTOWN—*†§Bramcote Fdry. & Machinery Co.
*Chadwick Engineering Works (Auto Bldrs. & Auto & Marine Motors)
*†Colebrookdale Iron Co. (Meat Choppers, Sad-Irons & Castings, etc.)
*Ellis Keystone Agrl. Works (Threshers, etc.)
*†Flagg Stanley G. & Co. (See Phila.)
*Heiges Tobis B.
*†Industrial Foundry & Machine Co.
*†Keystone Foundry Co. (Grey Iron Castings)
*Large Wm. H.
*§Light Mfg. & Fdry. Co. (Castings, etc.)
*McClintic-Marshall Construction Co. (Steel Structures, etc.)
†Marsh-Brownback Stove Co. (Heaters, Furnaces, Stoves, etc.)
†§*Pottstown Mach. Co.
Printz & Sevison (Stoves)
*Shoemaker Lewis F. & Co. (Steel Structural Work)
*†Wilbraham-Green Blower Co. (Rotary Blowers, Iron Founders, etc)
POTTSVILLE—*Eastern Steel Co.
*†Phila. & Reading Coal & Iron Co.
†Pottsville Foundry & Stove Co. (Stoves, etc.)
*§Zweibel Edward
PUNXSUTAWNEY—*Allison Wm.
†Mahoning Fdry. & Mach. Co.
*†§Porter G. W. & Son
*†§Punxsutawney Fdry. & Machine Co. (Brass & Iron Castings & General Machine Work)
QUAKERTOWN—*Nadig L. F.
Quakertown Stove Wks. (Stoves)
RADNOR—*Righter Geo. W. (Mechl. Eng.)
RANKIN—*§Acheson Mfg. Co. (Brass Fittings, Valves, etc.)
*See adv index at end of book*
*McClintic-Marshall Construction Co. (Steel Structures, etc.)
READING—***AMERICAN DIE & TOOL CO.** (Punches, Dies)
Biehl Iron Works, Inc.
*Boss Knitting Machine Works (Textile Machy.)
*Carpenter Steel Co. (Machine Shop Attached to Works)
*†§Chantrell Hardware & Tool Co (Builders Hardware)
*§Crescent Brass Mfg. Co.
*§Dick Bros. (Plumbers' Brass Goods)
Dundore Mfg. Co. (Gears), 246 Orange
*§Excelsior Brass Works (Brass Castings & Brass Specialties, etc.)
*Frances L. M.
§Franklin Brass Foundry Co.
*†§Gray Iron Foundry Co. (Grey Iron Castings, Hardware Specialties, etc.)
*Greth Machine Works (Inc.), (Machinists)
*Haag A. W. & Co.
*§Howard Metal Co. (Brass & Bronze Castings)
*Keiser Mfg. Co. (Sheep Shears, etc.)
§Kline & Co
*†Mohn W. D. & Co.
†Mt. Penn Stove Works (Stoves, etc.)
*†Orr & Sembower (Steam & Hoisting Engines, etc.)
*†§Penn Hardware Co. (Builders' Hardware)
*Prizer-Painter Stove Co. (Stoves & Ranges)
§*Progressive Copper & Brass Wks.
*Reading Brass Works (Castings)
†Reading Casting Co
*†Reading Car Wheel Co. (Car Wheels). (See Buffalo, N. Y.)
*Reading Chain & Block Corp. (Hoists, etc.)
*See adv index at end of book*
*Reading Cycle Mfg. Co. (Bicycle Mfrs.)
*Reading Engineering Works (General Power Plant Repairing Only)
†Reading Foundry & Supply Co. (Soil Pipe and Fittings)
*§Reading Hardware Co. (Builders' Hardware & Specialties)
*†Reading Iron Co. (Rolling Mills, Iron Fdrs. & Machinists, Rolling Mill Engines & Sugar Machy, etc.)
*†Reading Scale & Machine Co.
*Reading Standard Co.
Reading Steel Casting Co.
*†Reading Stove Works (Stoves, Ranges & Heaters, etc.)
Roeper Crane & Hoist Works (Cranes, Hoists, etc.)
*SPEIDEL JOHN G. (Hand Hoists & Cranes.)
*See adv index at end of book*
*†Textile Machine Works (Textile Machy. & Grey Iron Castings)
*Zacharias Edwin H. (Steel Containers, Clothes & Tailors' Pressing Machinery)
REBUCK—†Fisher W. H.
RENFREW—*Price Bros.
REYNOLDSVILLE—Herpel Bros.
RHEEMS—*Grove Isaac
RICES LANDING—*Young W. A. & Sons
RICHFIELD—†Shawder W. B.
RIDGWAY—*†§Elk Tanning Co.
*†§Ridgway Dynamo & Engine Co. (Dynamos, Engines, etc.)
*†Ridgway Machine Co.
*†§Ridgway Mfg. Co. (Iron & Brass Fdrs., Dry Kilns, Steam Engines, etc.)
RIXFORD—*Lilly Arthur L.
ROARING SPRING—*†Brown John I.
ROCHESTER — †Olive Stove Works (Stoves, Ranges & Castings)
*†Rochester Mould & Machine Co. (Glass House Machy. & Molds)
ROYERSFORD — †Buckwalter Stove Co. (Stoves & Furnaces)
†Floyd-Wells Co. (Stoves, Furnaces, etc.)
†Grander Stove Co. (Stoves, etc.)
*Keystone Structural Co. (Steel Structural Work)
*†Royersford Foundry & Machine Co. (Punching & Shearing Machy)
SAINT CLAIR—*§Quirin John & Bro.
SAINT MARYS—*†§Elk Engineering Wks.
*†§Kaul J. & A.
SALFORDVILLE—*Weldner Jacob K.
SALONA—†Esenwine Geo. W.
SAYRE—*†Cayuta Mfg. Co. (Fire Hydrants, Valves, Engraving Machines, etc.)
*Eaton & Glover Co. (Engraving Machines)
*Milled Screw & Machine Co.
*†§National Car Wheel Co. (See Pittsburgh, Pa.)
*§Sayre Stamping Co. (Railroad & Automobile Specialties & Castings, etc.)
SCOTTDALE — *†§Crescent Mfg. Co. (Plumbers' Supplies)
*†United States Cast Iron Pipe & Foundry Co. (See New York City)
SCRANTON—*†§American Safety Lamp & Mine Supply Co. (Brass & Gray Iron Castings, Mine Lamps)
*Anthracite Welding & Machine Co.
*†§Barker Samuel G. & Son (Track Scales, Machinery & Builders' Castings, etc.)
*§Everhart Brass Works (Brass Goods & Brass Castings)
*†§Finch Mfg. Co. (Iron Fdrs. & Steam Engines, etc.)
†Graff Furnace Co.
§Hughes Bros. (Lamps & Brass & Comp. Castings)
*†§McClave-Brooks Co. (Mechanical Stokers, Grate Bars, Iron & Brass Castings, etc.), Poplar
*§O'Malley Mfg. Co. (Brass Goods)
*Pearce Chas. W.
†Pinnell J. W. (Grey Iron Fdrs.)
*†Railway Steel Spring Co. (See New York City)
*Scranton Bolt & Nut Co. (Machine Shop Connected with Works)
*Scranton Electric Construction Co. (Electric Drills, etc.)
*†§Scranton Pump Co. (Iron & Brass Fdrs. & Pumps)
*Scranton Silk Machine Co. (Textile Machy.)
†Scranton Stove Works (Stoves)
*†Spencer Heater Co. (Furnaces, Heaters)

†*§Sullivan John N.
*†§Touhill Iron Works
SELLERSVILLE—*U. S. Gauge Co. (Vacuum Gauges)
SHAMOKIN—*†Mullen John & Son (Iron Fdrs. & Engines, Pumps, Mining Machy., etc.)
SHARON—*†American Steel Foundries
*§Bidwell Foundry & Machine Co.
*†National Malleable Castings Co. (See Cleveland, O.)
†Sharon Foundry Co.
*Sharon Machine Co.
*Sharon Steel Hoop Co. (Machine Shop for Use of the Company)
*†Shenango Machine Co. (Iron Fdrs. & Machinists)
SHARPSBURG—*†Moorhead Bros. & Co. (Inc.) (Iron Pipes, etc.)
†Sharpsburg Foundry Co.
SHARPSVILLE—†Valley Mould & Iron Corp.
SHILLINGTON—*Miller Wm. W.
SHIPPENSBURG—*†Domestic Engine & Pump Co. (Gasoline Engines, Pumps, etc.)
SINKING SPRING — †Manufacturers Foundry Co.
SLATINGTON — *†Slatington Foundry, Machine & Boiler Works (Ltd.) (Grey Iron Castings, Mine & Quarry Repairs, etc.)
SOMERSET—*†§Highland Fdry. & Machine Co.
SOUTH BETHLEHEM — *†§Bethlehem Fdry. & Machine Co. (Chemical Machy. & Iron & Semi-Steel & Brass Castings)
*†§Bethlehem Steel Co. (Rolling Mill, Special Machy. & Castings, etc.)
SOUTH FORK—*Oaks A. J.
†§*South Fork Fdry. & Machine Wks.
SPRING CITY—*†Keystone Stove Foundry (Stoves, etc.)
*Penna. Shafting Co. (Polished Steel Shafting)
STEELTON—†Penna Stone & Range Co.
STOWE—*†§Flagg Stanley G. & Co. (See Phila., Pa.)
STROUDSBURG—*†§Marsh E. B. Bro. & Co.
*†Stroudsburg Engine Works (Hoisting Machy., etc.)
*Tanite Co. (Emery Wheels, etc.)
SUNBURY—*†§Keystone Machine Works
SWALES—†Beers J. L. & Sons
†Jamison I. M.
SWISSVALE — *†§**UNION SWITCH & SIGNAL CO. THE.** (Railroad Specialties)
TAMAQUA—*†§Tamaqua Mfg. Co. (Iron Fdrs. & Ore Washing & Coal Mining Machy.)
TARENTUM—§Shoop Bronze Co.
†Stevener Chas. W.
TATAMY—*†§Messinger Mfg. Co., (Agrl. Implements, Threshers, Planters, Grain Cleaning Machinery)
TEMPLE—†Temple Malleable Iron & Steel Co. (See Phila., Pa.)
TIDIOUTE—*Grettenberger Sons
TITUSVILLE—†American Radiator Co. (See Chicago, Ill.)
*†Titusville Forge Co. (Iron Fdrs., Machinists & Forgings)
*†§Titusville Iron Co. (Steam Engines, etc.)
Young E. R. & Sons
TOPTON—*†Topton Foundry Co.
TOWANDA—*†§Humphrey Mfg. Co. (Iron Fdrs. & Machinists)
TROY—*†Troy Engine & Machine Co. (Jno. A. Parsons, Prop.) (Engines, etc.)
TUNKHANNOCK—*†§Avery's F. P. Sons
TYRONE—*†§Burley Heater Co. (Grey Iron Castings, Heaters, etc.)
*†§Stine J. C. Co. (Haulage Engines, Mine Fans, Incline Drums, etc.)
UNION CITY—*†Industrial Iron Works
UNION FURNACE—*†Union Furnace Mfg. Co. (Hot Air Registers, Shovels, Rakes, Hoes, etc.)
UNIONTOWN—Am. Brake Shoe & Fdry. Co.
§*Dudley Elec. & Mach. Co.
*Evans Mould & Foundry Co.
†Miller Foundry Co.
*†Richmond Radiator Co. (Hot Air Furnaces, Radiators & Heating Apparatus, etc). Main Office: New York
†§Union Foundry (Andrew D. Jaquett, Prop.)
VANDERGRIFT—*†§United Engineering & Foundry Co. (See Pittsburgh, Pa.)
WARREN—Allegheny Steel Tank Car Co.
*†§Barnhart-Davis Co.
*§Bashlin Co. (Brass Fdrs. & Valves, etc.)
*†§Fairchild & Betts
*G. G. G. Metal Stamping Co.
*†§Gisholt Machine Co. (Machine Tools, Vertical & Horizontal Boring Mills, Turret Lathes, Brass & Iron Fdrs.)
*Jamieson M W & Co. (Steam Pumps, etc.)
*Penna. Furnace & Stove Co. (Hot Air Furnaces, etc.)
*†Struthers-Wells Co. (Gas Engines, Boilers, etc.)
*Warren Axe & Tool Co. (Edge Tools etc.)
Warren Machine Products Co. (Air Compressors, Power Transmitting Machinery, etc)
*Wilburine Oil Works (Ltd.) (Machine Shop for Their Own Use)
WASHINGTON—*Natonal Wrought Iron Annealing Box Co.
*†§Northrup B. D.
*†Tyler Tube & Pipe Co.
*†§Zahniser Bros. & Sten (Oil & Gas Well Tools). Works: Waynesburg, Pa.
WATSONTOWN—†§Jones J. W.
WAYNE—Wayne Iron Works (See Phila., Pa.)
WAYNESBORO—*†§Emerson - Brantingham Co. (See Rockford, Ill.)
*†Emmert Mfg. Co. (Vises, etc.)
*†§Frick Co. (Steam & Traction Engines, Ice Machinery & Agl. Implts. etc.)
*†Landis Machine Co. (Bolt Cutters, Pipe Machines, etc.)
*†Landis Tool Co. (Tool Grinders, etc.)
*Victor Tool Co. (Machine Tools, etc.)
Waynesboro Fdry. & Mach. Co.
WAYNESBURG—*Zahniser Bros. & Sten (See Washington, Pa.)
WEATHERLY—*†§Weatherly Foundry & Machine Co. (Grey Iron Castings, Railroad, etc.)
WELLSBORO—Edward Furnace Co.
WEST CHESTER—*Dairy Specialty Co. (Dairy Machinery)
*Davis Louis N (Valves, etc.)
*Mayer & Eachus
*†Sharples Separator Co. (Dairy Machinery & Supplies, etc.)
*West Chester Engine Co. (Gasoline Engines)
WESTFIELD—*†Phillips Jacobs
WEST NEWTON—*†Fisher Mine Equipment Co.
*†§Moore & Butts
*Neff H. S.
*†United States Radiator Corp. (See Detroit, Mich.)
WEST SALISBURY—*†§Knecht M & Sons
WHEATLAND—*†Sharon Foundry Co. (Rolling Mill Castings, Ingot Molds, etc.)
WHITE HAVEN—†§*Wilmot Engineering Co.
WILKES-BARRE—*Adder Machine Co. (Adding Machines)
†Eagle Iron Works
Gates Foundry Co.
*Kern Wm. S. (Canners' Machy.)
*Le Grand Mine Drill Works (Steam Mine Drills)
†McDade Chas. A. & Co.
*Nicholson W. H. & Co. (Expanding Mandrels, Compression Couplings, etc)
*†§Royer & Zweibel (Brass Fdrs., etc.)
*†§Sheldon Axle & Spring Co. (Carriage Axles, etc.)
§*Shelley Geo. & Sons
*†§Vulcan Iron Works (Iron Fdrs., Engines, Mining Machinery, etc.)
*†Wilkes-Barre Iron Mfg. Co.
WILKINSBURG—§*Mack Fdry. & Macn. Co.
WILLIAMSPORT—*†American Woodworking Machinery Co. (See Rochester, N. Y.)
*†§Darling Valve & Mfg. Co. (Ltd.) (Machinists & Iron & Brass Fdrs., etc.)
*Early Gas Engine Co.
*Foucart Jno. E. (Saws, Machines. Knives, etc.)
§*General Fdry. Co.
*†Hermance Machine Co. (Woodworking Machinery)
*§Keeler E. Co. (Machinists & Boilermakers)
*†§Lycoming Fdry. & Machine Co. (Sewing Machines, etc.)
*Moltz Jacob J (Woodworking Machinery)
*†National Foundry Mfg. & Supply Co. (Power Transmitting Machinery & Grey Iron Castings)
*†§Rothfuss Howard Iron Works (Engines & Saw Mill Machinery)
†Rundio Nelson L (Grey Iron Castings)
*†Shepherd Engineering Co.
*Stutzman Frank
*†Sweet's Steel Co. (Steel Castings & Machine Shop)
*†United States Machine Co. (Woodworking Machinery & Iron & Brass Castings)
*†§Valley Iron Works
*Villinger Mfg. Co. (Dies, etc.)
*†Williamsport Radiator Co. (Radiators, etc.)
WILMERDING — *†§Westinghouse Air Brake Co.
*†Westinghouse Traction Brake Co. (Electric Car Brakes, etc.)
WINDOM—*Kauffman Harry M.
WRIGHTSVILLE—†*Dissinger Farm Co.
†Riverside Foundry Co.
*†Susquehanna Casting Co. (Light Castings & Hardware Specialties)
*†Wrightsville Hardware Co. (Builders' & Hardware, etc.)
WYNDMOOR—*†§Nelson Valve Co. (Valve Mfrs., Brass, Iron & Steel Fdrs., etc.)
WYOMING—*Eagan Jas. A. (Mine Drills, etc.)
YARDLEY—†§*Klauder-Weldon Dyeing Mach. Co.
YORK—*Burrows Mfg. Co. (Valves, Regulators, etc.)
§Cochrane Brass Fdry.
*†§Eyster, Weiser & Co. (Water Wheels Powder Mill Machinery & Car Castings)
*†§Farquhar A. B. Co. (Ltd.) (Agrl. Implts., Traction & Steam Engines, etc.)
*General Machine Works (Knitting Machinery, etc.)
*Henry, Millard & Henry Co. (Gas & Gasoline Engines, etc.)
†Levering Bros.
*Motter's Geo. F. Sons (Steam Engines)
*Ottemiller Wm. H. Co.
*Root B. M. Co. (Woodworking Machinery)
*†§**SMITH S. MORGAN CO.** (Turbines, etc.) *See adv index at end of book*
*†Smyser Royer Co. (Grey Iron & Builders' Castings, etc.)
*†Steacy-Schmidt Mfg. Co. (Kilns & Grey Iron Castings)
§York H'dwe & Brass Wks.
*Wiest Machine Co.
*York Electric & Machine Co. (Incandescent Lamp Making & Special Machinery)
*†§York Foundry & Machine Co.
*†§York Mfg. Co. (Ice & Refrigerating Machinery, Corliss Engines, Castings, etc.)
*York Safe & Lock Co.
*York Saw Works
*York Wagon Gear Co. (Ltd.) (Wagon Gears)
YOUNGWOOD—§*Robertshaw Mfg. Co.
YOUNGS—*†Graver Geo. A. (Iron Fdry. & Machinist)
ZELIENOPLE—*†Herman Pneumatic Machine Co. (Foundry Molding Machines, etc.)
*†Iron City Sanitary Mfg. Co. (See Pittsburgh, Pa.)

## RHODE ISLAND.

AUBURN — †§*General Fire Extinguisher Co.
†Hope Foundry Co. (Iron Castings)
BRISTOL—*†§Herreshoff Mfg. Co. (Yacht Bldrs.)
CENTRAL FALLS—*Hemphill Mfg. Co. (Knitting Machinery)
*Newell Fred. E. (Brass Fdry.)
EAST GREENWICH—*Boston Wire Stitcher Co. (Wire Stitching Machines)

RHODE ISLAND—East Greenwich—cont.
*Nock F. S. (Engine & Power Boat Builder)
EAST PROVIDENCE—*Abrasive Machine Tool Co. (Surface Grinders)
†City Fdry. Co.
HILLS GROVE—†Rhode Island Malleable Iron Works (Malleable Iron Castings)
NEWPORT—*Burnham Gilbert H. (Machinist)
*Owen T. G. (Machinist)
PAWTUCKET—*Blackstone Machine Co.
*Collins Bros. (Machinists)
*Dawson Albert (Tipping Machines)
*Easton & Burnham Machine Co. (Textile Machinery, Spindles & Machinists), Pine
*†Fales & Jenks Machine Co. (Machine Tools, etc.)
*†§H. & B. American Machine Co. (Cotton Machinery)
*Haskell Wm. H. Mfg. Co. (Malleable Bolts Nuts etc.)
*Hemphill Mfg. Co. (See Central Falls)
*†Jenckes Knitting Machine Co. (Knitting Machinery, etc.)
§Jenkinson Brass Foundry Co.
*Luther C. A. & Co. (Textile Machy.)
*Moncrief Machine Co. (Jobbing)
*New England Machine & Electric Co.
*Pawtucket Mfg. Co. (Mach., Bolts, Nuts, etc.)
*Payne Geo. W. & Co. (Tetxile Machy.)
*†Potter & Johnston Machine Co. (Machine Tools, etc.)
*Roberts Roy L.
*Slocum, Wm. H. Co. (Machy., Forgings etc.)
*Standard Engineering Works (Milling Machines)
*Tenney A. E. Mfg. Co. (Machinists)
*†White J. S. Co. (Iron Fdrs. & Machinists)
PROVIDENCE—*Adams Bros., 224 Eddy
*§Allen Fire Dept. Supply Co., 159 Aborn
*Allen Wrench and Tool Co., 189 Public
*American Ball Co. (Balls, etc.), 115 Clifford
*†American Locomotive Co. (Locomotives), Kinsley av. (See New York)
*†American & British Mfg. Co. (Corliss Engines, Driving Wheels, etc.), Charles
*Angell Chas. E. (Machinist), 223 Aborn
†Atlas Machine Co. 7 Eddy
†Barstow Stove Co. (Stoves, etc.), 116 Point
*Beaman & Smith Co. (Machine Tools)
*Blaisdell S. S. Machine Co., 228 Aborn
*Bragg Jno. I. (Wool, Combs, etc.), 24 Atwood
*†Brown & Sharpe Mfg. Co. (Machine Tools, Machinists' Small Tools & Grey Iron Castings)
*†Builders Iron Foundry (Grinding Machinery & Heavy Iron Castings, also Small Castings in Large Lots), 9 Codding
†§City Foundry Co., 2585 Pawtucket av
†Colvin Fdry. Co. (Grey Iron Castings) (Textile Machinery), 185 Globe
§Congdon Z. T. Brass Fdry.
*†§Crompton & Knowles Loom Works (Textile Machinery), 241 Harris av
*Cruickshank Engine Co. (Stationary & Yacht Engines), 286 Dyer
†§*D. & W. Ruse Co.
*Dart E. M. Mfg. Co. ("Dart" Unions, Couplings, etc), 134 Thurbers
*See adv index at end of book*
*Diamond Machine Co. (Grinding Machinery)
*Excelsior Steam Engine & Machine Co., 32 Friendship
*Field Chas. H. (Engraving Machines), 113 Point
*†Franklin Machine Co. (Textile Machinery, Grey Iron Castings, etc.), 1 Park *See adv index at end of book*
§Freely W. J. Co., 169 S Angell
§Fuller Estate of Frederic
§Fuller Iron Works (Brass & Bronze Castings, etc.), 40 Tockwotton
*†Fuller Iron Works (Cast Iron Pipe & Machy. Castings), 40 Tockwotton
*†§General Fire Extinguisher Co. (Cast Iron Pipe & Fittings, Valves, Steam Goods, etc.)
*§Gorham Co. Arch'l Bronze (Brass & Bronze Fdrs.)
*Graham Mfg. Co. (Vises, Drill Speeders, etc.), 96 Point
*Heathcote Jno. & Son (Woollen Machinery), 212 Eddy
*Hughes Wm. Co., Bough
§Ideal-Die Casting Co. 756 Eddy
*Langelier Mfg. Co. (Special Machy.), Arlington
Lederer Bros. Co. (Screw Machine Products), 100 Stewart
*Mann Chas. A., 166 Doyle av
*Mason Volney W. & Co. (Elevators & Machy.), 2 Lafayette
*Mechanical Accountant Co. (Adding Machines, etc.), 17 Warren
†Narragansett Fdry. Co.
Narragansett Machine Co.
*†New England Butt Co. (Braiding Machinery, etc.), 304 Pearl
†NICHOLSON FILE CO. (Files, Rasps, etc.) *See adv index at end of book*
*No-Dust Drying Machine Co. (Metal Drying Machines, Mechanical Dust Collectors, Polishing Machs., etc.)
*Parkinson Edw. Mfg. Co. (Machinist), 84 Sprague
*Pay Chas. & Co., 307 S Water
§Providence Art Metal Co., 137 Clifford
§Providence Brass & Aluminum Fdry. (Aluminum, Brass & Bronze Castings), 460 Eddy
*Providence Engineering Corp. (Corliss Engines & Contract Machy., etc.). 521 S Main
*Providence Mfg. & Tool Co. (Tools, etc.), 17 Warren
*Providence Steam Trap Co. (Steam Traps, etc.), 16 Diamond
†Providence Steel & Iron Co., Kinsley av
*Rhode Island Braiding Machine Co. (Textile Machinery), 228 Aborn
§Rhode Island Brass Foundry Co., 9 Charles
*Rhode Island Tool Co. (Tools, Nuts, etc.)
*Richards I. P. Co. (Punches, Dies, etc.), 23 Pemberton
*Rushton Carroll Co. (Textile Machy.), 10 Ethan
*Scott Henry L. & Co. (Machinists), 101 Blackstone
Screw Machine Products Corp. (Contract Mechanical & Electrical), 1012 Eddy
†*Slocomb J. T. Co. (Machinists' Tools), 35 Oxford
*Standard Machy. Co. (Presses, Drops, Rolling Mills, Draw Benches, Shears, etc.)
*†§Textile Finishing Machinery Co. (Textile Machinery), 171 Westminster
*Thurston Mfg. Co. (Machy & Tools), 140 Benedict
*Tower James H. Iron Works (Iron Work of all kinds), 50 Borden
*U. S. Bobbin & Shuttle Co. (Textile Machinery), 57 Eddy
*Universal Winding Co. (Winding Machines), Auburn
§White-Stillman Foundry Co. (Brass Fdrs.), 1 Bark
*Willeman Mfg. Co., Inc. (Special Machinery & Tools), 181 Eddy
*Winsor & Jerauld Mfg. Co. (Textile Machinery), 223 Harrison
RIVER POINT—†Brayton L. Foundry Co. (Grey Iron Castings)
VALLEY FALLS—*Hindley Mfg. Co. (Castings, Keys, etc.)
WARREN—†§Bosworth Walter S.
*Potter, Collamore & Co.
WESTERLY—*†§Cottrell C. B. & Sons Co. (Printing Presses, etc.)
*Wilcox, Donahue & Co. (Stone Tools, etc.)
WOONSOCKET—*American Wringer Co. (See New York City)
†§Charlotte Bros.
*Knight Geo. C. (Machinist)
*Taft Pierce Mfg. Co. (Contr. for Special Machy. & Mechanical Devices of All Kinds)
*†§Woonsocket Machine & Press Co. (Textile Machy.)
*Woonsocket Napping Machinery Co. (Textile Machy.)

## SOUTH CAROLINA.

ANDERSON—*†§Anderson Mach. & Fdry. Co. (Machinery & Castings)
CHARLESTON—*†Charleston Iron Works (Boilers, Castings, Machinery, Pumps, Tanks, Forgings, etc.)
*†§Riley Jno. F. (Brass & Iron Castings, Forgings, Machinists, etc)
*†§Riverside Iron Works (Machinists Fdrs., Shipsmiths, etc.)
*†§Valk & Murdock Co. (Iron Fdrs., Machinists & Machinery)
†Virginia-Carolina Chemical Co. Fdy. Department)
CHESTER—*Chester Machine & Lbr. Co.
COLUMBIA—*†Gibbes Machinery Co. (Engines & Machinery Corp.)
Touer Engine Works (Gas Engines, etc)
CONWAY—†Conway Iron Works
CORNWELL—*McKeown W. O. & Sons
DARLINGTON—†§*Darlington Iron Wks.
†Wilson & James
DILLON—*Dillon Plow Works (Plows, etc)
GAFFNEY—†§Randall L. Y. S. C.
GEORGETOWN—*†§Atlantic Coast Lumber Corp.
GREENVILLE—*American Machine & Mfg. Co. (Oil Mill Machy., etc.)
†§*Greenville Iron Wks.
Greenville Iron Works (Textile Castings)
*†§Mountain City Fdry. & Machine Works (Inc.)
MARION—†McDuffie Emerson
†§*Marion Iron Wks.
ORANGEBURG—*†Smoak J. W.
ROCK HILL—*†Jones E. G. Iron Works
†Syleecau Mfg. Co.
SALUDA—†Crout J. M.
SPARTANBURG—*Bomar B. F.
†§*E. Z. Force Pump Co.
*†§Standard Iron Works
SUMTER—*Pierson S. M.
*†§Sumter Machinery Co.
*§Sumter Telephone Co.
UNION—†Union Iron Foundry
WALTERBORO—*†§Cummings Iron Works & Supply Co.

## SOUTH DAKOTA.

ABERDEEN—*†Hub City Iron Works
CANTON—*Bragstad Concrete Machinery Co., Inc.
*Ellingson E.
DEADWOOD—†§*Hogarth Jas.
DE SMET—*Elliott G. W. & Co. (Gasoline Tractors)
LEAD—*†§Homestake Mining Co.
MELLETTE—*Oberle G.
MITCHELL—†*Summers F. A.
REDFIELD—*†§Norbeck & Nicholson Co. (Iron Fdrs. & Machinists)
SIOUX FALLS—*†§Pankow Bros. (Fdrs. & Machinists)
WATERTOWN—†§*Bruns J. H. Fdry.
*Hanten Machine Co.
*Hess & Rau
WEBSTER—*Magnus Wm. J. (Machinist)
WOONSOCKET—†Janssen J. H.
YANKTON—*Fanslow Bros. (Machinists)

## TENNESSEE.

BRISTOL—*†§Enterprise Foundry & Machine Works
CHATTANOOGA—*†§Acheson Foundry & Machine Works
*†American Brake Shoe & Foundry Co. (See Mahwah, N. J.
*American Lava Corp.
*See adv index at end of book*
*American Mfg. Co. (Light Hardware, etc.)
*Brown T. W. & Bro.
†Cahill Iron Works (Plumbers' Enameled Cast Iron Ware)
*†§Casey-Hedges Co. (Cast Iron Soil Pipe & Fittings, Boiler Fronts & Castings, Grate Bars, etc)
*Chattanooga Armature Works (Armature Castings, etc.)
*†Chattanooga Implement & Mfg. Co. (Hay Presses, Agrl. Implts., etc.)
*†Chattanooga Plow Co. (Plows, Cane Mills, etc.)
†*Chattanooga Roofing & Fdry. Co.
*Chattanooga Saw Works (Saws, etc.)
*†§Columbian Iron Works (Fire Hydrants, Valves, Municipal Castings, etc.)
*†§Eureka Foundry Co. (Iron Fdrs.)
†Frictionless Metal Co. (Bearings, etc.)
*†§Gustafson Mfg. Co. (Cars, Mine Equipments, Car Wheels, etc.)
†Heron Iron Bedstead Co.
*†Jones Machine & Foundry Co. (Brass & Grey Iron Castings)

*†Lookout Boiler Mfg. Co. (Grey Iron Castings, etc.),
*†§Lucey Foundry & Machine Co. (Cars, Car Wheels, Grey Iron Castings, etc.)
Lucey Mfg. Corp. of Tenn. (Oil Well Machinery, Tools, etc.)
*McGregor J. F. Co. (Hardware Specialties, etc.)
*†Mountain City Stove & Mfg Co. Stoves, etc.)
*†Patten Mfg. Co. (Electric & Gasoline Hoists, etc.)
*Peglar Machinery Co. (Saw Mill Machinery, etc)
†Price-Evans Foundry Co. (Iron & Brass Castings, Stoves, etc.)
*†§Ross-Meehan Foundries (Grey & Malleable Iron Castings, etc.)
*†Sanders Newell Plow Co. (Plows etc.)
*§Sharp J. C. Brass Works
*Southern Skein & Foundry Co. (Grey Iron Castings, Wagon Skeins, Wagon Hardware, etc.)
*Star Pea Huller Co.
*Stickney & Montague (Mail Work)
*Street Bros. Machine Works
*Sybilla Elevator & Mfg. Co. (Elevators, Hoists, etc.)
*Tennessee Stove Works (Stoves, etc)
*†U. S. Cast Iron Pipe & Foundry Co. (See New York City)
*Vacuum Dyeing Machine Co.
*Vesta Gas Range & Mfg. Co. (Stoves, Ranges, etc.)
§Vibrator Instrument Co.
*†Walsh & Weidner Boiler Co. (Boiler Fronts & Castings, etc.)
*†Wheland Co. (Engines, Saw Mill Machinery, etc.)

CLARKSVILLE—*†§Clarksville Foundry & Machine Works (Brass & Grey Iron Castings, etc.)
*†§Drane Foundry & Supply Co.
*†§Patch A. H. (Corn Shellers, Feed Mills, etc.)
CLEVELAND—*†§Hardwick Stove Co. (Stoves)
COOKEVILLE—Dorman E. E.
COPPERHILL—*†§Tennessee Copper Co.
HARRIMAN—Harriman Fdry. & Mach. Wks.
*†§Harriman Mfg. Co. (Lawn Rollers, Fanning Mills, etc.)
JACKSON—*†§Heathcock-Rush Machine Co.
†§*Jackson Iron & Bronze Wks.
*†§Southern Engine & Boiler Mfg. Co. (Engines, Saw Mill Machy., etc.)
JELLICO—*†§Jellico Foundry Co.
JOHNSON CITY—†§*Johnson City & Machine Co.
KNOXVILLE—*Dempster Jas. (Machinist)
*Duncan John G. Co.
†Fair Foundry Co. (Stoves, etc.)
*†§Fulton Co. (Specialties)
*†Knox Stove Works (Stoves, etc.)
*†§Knoxville Foundry & Machine Co.
*Knoxville Iron Co. (Machine Shop Attached to Works)
†Lonsdale Foundry Co.
†Nelsen H. O. Iron Works (Iron Fences & Castings)
*Oliver Wm. J. Mfg. Co. (Contractors' Cars, etc.)
*†Sanford-Day Iron Works (Car Wheels & Cars)
*†§Savage W. J. Co. (Mill Machy., etc)
*†Southern Pipe & Foundry Co.
*Tv-Sa-Man-Machine Co.
*Wolfe M. L. Automobile Co. (Machinist)
LAWRENCEBURG—*Beuerlein F. X.
LENOIR CITY—*†Lenoir Car Works
LEWISBURG—*Green Bros.
†Lewisburg Foundry Co. (Castings, Stoves, etc.)
LEXINGTON—*†Southern Fdry. & Machine Co.
McMINNVILLE—*†§Wrightman D. M. & Son
MARYVILLE—†*McNaughton Mfg. Co.
MEMPHIS—*†American Car & Foundry Co.
Beronio J. A.
*†Chickasaw Machine & Foundry Co.
*†§Ellis Wm. C. & Sons Iron Works (Agrl. Implts. & Machy.)
*†Lane F. M.
*§Memphis Brass Valve Works
*†§Memphis Machine Works (Saw Mill Machinery, etc.)
*Memphis Repair Works
†§*Union Fdry. & Mach. Co.
Vulcan Iron Works
*†Wetter H. Mfg. Co. (Stoves, Cast Iron Soil Pipe, etc.). Works: So. Pittsburg, Tenn.

NASHVILLE—*†Allen Mfg. Co. (Stoves)
*Atlas Machine Co.
*Bouchard John & Sons Co. (Compressors, Ice & Refrigerator Machinery)
*Braid Electric Co. (Elec. Specialties)
*†Cumberland Foundry & Mfg. Co. (Hdw. Specialties)
†Gray & Dudley Hardware Co.
†Jakes Foundry Co.
*†Jonte N. S. (Machinist)
*§Lawrence J. H. & Sons
*§Marathon Motor Car Co. (Auto Bldrs.)
*†§N. C. & St. L. Ry.
*Nashville Bridge Co.
*§Nashville Machine Co.
*Phillips & Buttroff Mfg. Co. (Stoves, Ranges, etc)
*Rock City Machine Co. (Machinists)
†Southern Foundry Co. (Small Iron Castings)

PULASKI—*†Pulaski Machine Co.
*West J. G.
ROCKWOOD—*†§Roane Iron Co.
SOUTH PITTSBURG—*†Lodge Mfg. Co. (Sad Iron & Hdw. Specialties)
†South Pittsburg Foundry Co. (Soil Pipe, etc.)
*†Wetter H. Mfg. Co. (See Memphis)
UNION CITY—*†§Semones & Son

## TEXAS.

AUSTIN—†*Dixon Mfg. Co.
*Gossard A. R. (Mill Machinery)
†§Tips Foundry & Machine Co. (Gasoline Engines, Pumps, etc.)
BEAUMONT—*†§Beaumont Iron Works Co.
Oil City Brass Wks.
BRENHAM—*†§Beaumier Joe H.
BRYAN—*Stevenson John B.
CLEBURNE—*†§Cleburne Foundry Co.
CORSICANA—*†§American Well & Prospecting Co. (Iron Fdrs., Machinists & Engineers, Well Machy.)
*†§Oil City Iron Works
DALLAS—*†Continental Gin Co. (Cotton Gins). (See Birmingham, Ala.)
*§Dallas Foundry
†*Deuback B. & Son
*†Mosher Mfg. Co. (Iron & Brass Founders, Machinists, etc.)
*†Murray Co. (Gin Machy. & Supplies)
*Southern Plow Co. (Agricultural Implements)
*†Sutton, Steel & Steel (Mining Machinery, etc.)
§*Texas Brass Mfg. Co.
*†Texas Disc Plow Co. (Plows, etc.)
DENISON—*Clark H. W. & Son
†Knaur Wm. E. (Iron Fdry.)
*§Knaur & Howe
EL PASO—§*Baumgarten & Wyler
*†Darbyshire Harvie Iron & Machine Co.
*†§El Paso Foundry & Machine Co. (Steel Castings)
FORT WORTH—*†§Axtell Co. (Windmills etc.)
†§Boicourt Machine Co.
†§Bowdry & McKinley Iron Works
*Enterprise Iron & Foundry Co.
*§Midland Brass Works (Brass Fdrs.)
*Southwestern Mechanical Co.
*Texas Anchor Fence Co. (Farm, Stock & Lawn Fencing, Gates, etc.)
*Texas Mfg. Co. (Cotton Gins, etc.)
*†Utica Brass & Machine Co.
*†Van Zandt Iron Works
GAINESVILLE—†Arnett C. C.
GALVESTON—*†McDonough Iron Works (Steam Engines)
HENDERSON—Teller E. J. & Son
HOUSTON—*†Calhoun Pattern Foundry & Machine Co.
*†Dickson Car Wheel Co. (Car Wheels, etc.)
*Grant Locomotive & Car Works (Locomotives & Cars Rebuilt)
*†§Hartwell Iron Wks. (General Machine Work & Iron & Brass Castings)
*†Houston Car Wheel & Machine Co. (Dredge, Oil Mill & Saw Mill Machy. & Iron Castings)
*§Houston Iron Wks. (Oil Mill Strainers, Brass Castings & Machine Work)
*Houston Structural Steel Co. (Steel Work for Buildings, etc.)
*Layne & Bowler Co. (Pumps & Oil Well Strainers, etc.)
*†§Lloyd Metal Co. (General Machine Work & Iron & Brass Castings)
†§*Lucey Mfg. Corp. of Texas
§Miller Louis E. (Electrical Engr. & Brass Fdr.)
*Riesner B. A.
*§Southern Brass Mfg. & Plating Co. (Brass Fdrs., Finishers & Platers)
*Stancliff Well Screen & Mfg. Co. (Oil Well Strainers, Drive Well Points, etc.)
JEFFERSON—*†§Jefferson Fdry. & Machine Shops
LAMPASAS—*Huling Tom B.
LONGVIEW—*†Kelly G. A. Plow Co. (Agricultural Implts.)
LUFKIN—*†§Lufkin Fdry. & Machine Co. (Saw Mill Machinery, etc.)
MARSHALL—*†§Marshall Car Wheel & Fdry. Co. (Car Wheels, etc.)
PALESTINE—*†Dilley Geo. E. & Son (Iron Fdrs. & Cars & Castings, etc.)
PARIS—*†§North Texas Foundry & Machine Co.
PITTSBURG—*†§Pittsburg Foundry & Machine Co.
RUSK—*†§Pryor James T.
SAN ANGELO—*§San Angelo Fdry. & Machine Co.
SAN ANTONIO—*†§Alamo Iron Works
†§San Antonio Fdry. Co.
*†San Antonio Machine & Supply Co.
*Schiffers Peter & Sons
*Southern Steel Co.
†§*Wenterborne W. H. & Sons
SHERMAN—*†§Washington Iron Works
TEXARKANA—*†De Marce Mrs. A. (Iron Fdry. & Steam Engines, etc.)
†§*Tex. Steam Engine Wks.
†§Twin City Fdry. & Mach. Co.
VICTORIA—*Knowlan Machine & Supply Co. (Jobbing)
WACO—*†§June D. Machinery Co. (Mill & Gin Machy., etc.)
WAXAHACHIE—*Cronk F. S. Co.
WEATHERFORD—*†§Lewis J. R.
WICHITA FALLS—*†§Wichita Falls Foundry & Machine Co.

## UTAH.

OGDEN—Ogden Iron Works Co.
*†§Pearce Wm. & Sons
Ogden Iron Works Co.
PROVO CITY—†§*Provo Fdry. & Mach. Co.
SALT LAKE CITY—†§*Allen F. B.
*Crager Wire & Iron Works
*†§Davis, Howe & Co.
*Fowler J. P. Mfg. Co.
*†Galigher Machinery Co.
†§*Garfield Smelting Co.
*†§Salt Lake Engineering Works (Mining, Concentrating & Smelting Machinery)
†Salt Lake Sash Weight Foundry
*Trent Engineering & Machinery Co.
†Western Foundry & Stove Repair Works

## VERMONT.

BARRE—*†§Smith, Whitcomb & Cook Co. (Stone Polishing & Working Machinery)
BARTON—*†§Murkland Jno. W. Co.
BELLOWS FALLS—*†§Vermont Farm Machine Co. (Creamery Machinery, etc.)
BENNINGTON—*†§Bennington Scale Co.
*Cooper Chas. (Est. of) (Knitting Machinery, etc.)
*†§Scott Olin (Est. of) (Gun Powder, Paper & Pulp Mill Machy., etc.)
*Sibley E. L. Mfg. Co. (Eyelet Presses)
BRANDON—†Backus Corp. (Heaters, etc.)
BRATTLEBORO—White River Chain Co. (For Own Work Only)
BURLINGTON—Davis E. J. Machine Works
*Kidder J. F. Mfg. Co. (Angle Iron Cutting Machines)
†§*Vermont Construction Co.
DERBYLINE—*Butterfield & Co. (Taps & Dies, etc.)

VERMONT—continued.
EAST HIGHGATE — *Rixford Mfg. Co. (Scythes, Axles, etc.)
FAIR HAVEN—*†Fair Haven Foundry & Machine Co. (Hoisting Engines, Iron Castings, etc.)
HIGHGATE CENTER—*†§Highgate Mfg. Co.
LUDLOW—*Warner Edw. C.
LYNDONVILLE—§Harriman L. P.
MANCHESTER—*Hawley E. J. & C. H. (Sand Feed & Stone Working Machy.)
MIDDLETOWN SPRINGS — *Gray Fred. E.
MONTPELIER—*†§Lane Mfg. Co. (Woodworking Machinery, Traveling Cranes, etc)
MORRISVILLE — *†§Morrisville Foundry Co.
POULTNEY—†Gray Foundry, Inc.
*†§Ruggles Machine Co. (Slate Machinery, etc)
RANDOLPH—*†Sargent, Osgood & Roundy Co. (Plows, Farm Machy., etc.)
RUTLAND—†Davis Chas. E. Fdry. Co.
*Frenier & Son (Sand Pumps & Stone Working Machinery)
*Grimm G. H. (Evaporators, Steel Ranges, etc.)
*†§Howe Scale Co. (Scales, Engines, Power Hammers, etc.)
*†§Lincoln Iron Works (Stone Working Machy., etc.)
*†§Patch F. R. Mfg. Co. (Stone Working Machy., etc.)
*Rutland Machine & Auto Co.
*Steward L. & J. A. (Can Makers' Machinery, etc.)
SAINT JOHNSBURY—*American Fork & Hoe Co. (See Cleveland, O.)
*†§Fairbanks E. & T. & Co. (Scales, Power Hammers, etc.)
†§*Fairbanks E. T. & Co.
*†§Hooker O. V. & Son
SOUTH ROYALTON — *†Daniel Machine Co. (Cutting Machines)
SOUTH SHAFTSBURY — †Eagle Square Mfg. Co. (Steel & Iron Bedsteads, etc.)
SPRINGFIELD—*Bryant Chucking Grinder Co. (Chuck Grinders, etc.)
*†Fellows Gear Shaper Co. (Gear Shaping Machines)
*Gilman & Son (Last Lathes, etc.)
*†Jones & Lamson Machine Co. (Machine Tools, etc.)
*Parks & Woolson Machine Co. (Textile Machy)
*Slack Mfg. Co. (Metal Cutting-off Machines)
§Springfield Brass Co. (Brass Fdrs.)
†§Vermont Snath Co.
WALLINGFORD—*American Fork & Hoe Co. (See Cleveland, O.)
*Wallingford Mfg. Co. (Hdw. Specialties, etc.)
WATERBURY — *†§Cooley Wright Mfg. Co. (Gas Engines & Stone Working Machines)
WESTMINSTER STATION — *Abenaque Machine Works (Gas & Gasoline Engines, etc.)
WINDSOR—Hubbard & McClary (Hdw Specialties)
WINOOSKI—*†§Stevens Machine Shops (Woodworking Machy)

## VIRGINIA.

ALEXANDRIA—*Aitcheson J. & H.
*†Alexandria Iron Works (Iron Fdrs., etc.)
*†Emerson Pump & Valve (Foot Valves, etc)
BASIC—*†§Penn Fdry. & Mfg. Co. (Steel & Malleable Iron Castings)
BERKLEY—*Berkley Machine Works
†§*Old Dominion Iron Wks.
†Blackstone Plow Wks.
BRIDGEWATER—*Miller W. H.
BRISTOL—†§Iron City Stone & Fdry. Co.
BUENA VISTA—*†§Buena Vista Foundry Co.
CHARLOTTENVILLE—†§Albemarle Stove Wks.
*†Harris R. F. & Co. (Agrl. Implts., etc)
*Marshall George B.
CLIFTON FORGE—†§Clifton Forge Machine & Foundry Co.
COVINGTON—*†§Covington Machine Co. (Punches, Shears, Rolls, etc.)
CULPEPPER—*Nalle T. E.
DANVILLE—*†§Carter's J. T. Sons (Machinist & Fdry.)
*†Westbrook Elevator Mfg. Co. (Elevators & Tobacco Machinery, etc)
EMPORIA — *†§Emporia Machine Co. (Inc.)
FINCASTLE—*†Bowyer O. M. (Machinist & Fdry.)
FREDERICKSBURG—†§*Dannehl Valentine
†Hunter Chas. E. Farmers' Friend Plow Works (Plows, etc)
GRAHAM—*†§Thistle Foundry & Machine Co.
HARRISONBURG—*†Bradley P. & Sons (Plows & Agrl. Implts.)
*Garber & Wilbarger Co.
LYNCHBURG—*†§Glamorgan Pipe & Fdry. Co. (Cast Iron Pipe, etc.)
*Hicks C. W.
*†§Hubard Foundry & Machine Works
*†§Lynchburg Foundry Co. (Cast Iron Gas & Water Pipe & General Foundry Work)
†§*United Cigarette Mach. Co., Inc.
MARION—*†Look & Lincoln (Agrl. Implements, Wagons, etc.)
*†Marion Fdry. & Machine Works
MARTINSVILLE—*†§Cheshire J. & Son
NEWPORT NEWS—*†§Newport News Ship Building & Dry Dock Co. (Steel Ships, Marine Engines, etc.)
*†Warwick Machine Co. (Marine Repairs)
NORFOLK—*†§Atlantic Iron Works (Iron & Brass Castings of Every Description)
†§*Berkley Mach. Wks. & Fdry. Co.
†Billups C. Son & Co. (Agrl. Implts., etc.)
*†§Duval Geo. W. & Co.
*†§Eagle Iron Works
*†Elizabeth Iron Works (Engines, Boilers, Forgings, etc.)
†§*Old Dominion Iron Wks.
*Twin City Iron Works
*†§White's S. R. Sons (Agrl. Implts)
†Whitehurst R. W. Mfg. Corp. (Agrl. Implts., etc.)
NORTON—*†§Norton Car & Foundry Co.
PARKSLEY—*McCready J. B.
PETERSBURG—*†§Appomatox Iron Wks. & Supply Co. (Saw Mill Machinery, Iron & Brass Castings, etc.)
*†Ayers J. R. (Agricultural Implement Mfrs.)
*†§Titus Elmer E. (Iron Fdry. & Basket & Veneer Cutting Machy., etc.)
PHOEBUS—†*Freed Heater Co. Inc.
PORT REPUBLIC—†Port Republic Foundry
PORTSMOUTH—*Portsmouth Machinery Works
*Southern Metal & Weatherstrip Corp.
PULASKI—†*General Chemical Co.
*†§Pulaski Foundry & Mfg. Co.
*†§Virginia Iron, Coal & Coke Co.
PURCELLVILLE—Pancoast & Paxson Co.
RADFORD—*†Lynchburg Foundry Co. (Cast Iron Pipe, etc.)
RICHMOND — *†§American Locomotive Co. (Locomotives), N End 7th (See New York City)
*†Call-Watt Co. (Plows, etc.)
†Cameron Stove Co. (Stoves, etc.)
*†§Cardwell Machine Co. (Cottonseed & Tobacco Machy, Presses, Pumps, etc), 1900 E Cary
†§Carr Jas. W. (Brass & Iron Castings, etc.), 7th N 25th
*Commonwealth Supply Co., Mutual bldg
†Frictionless Metal Co. (Bearings, etc.), 608 Byrd. (See Chattanooga, Tenn.)
*†Johnson J. R. & Co. (Car Axles, etc.)
*Kline Kar Corp. (Auto Bldrs.), Boulevard nr. Fairgrounds
*McConnell-Browning Eng. Co. (Special Machy.), 1015 E Cary
*†McGee O. G. & Son, 2312 E Main
*McLaughlan Thos., 3016 Poplar
*Morrison Company, Mayo's Isle
*†Richmond Fdry. & Mfg. Co. (Grey Iron Castings), Hermetage rd
*Richmond Pressed Metal Works, Inc., Stockton & 6th
*†Richmond Stove Co. (Stoves, etc.), 2506 E Main
*†Richmond Structural Steel Co., 18th & Dock
†§Southern Stove Works (Stoves, etc.)
†Starke's Dixie Plow Works (Agrl. Implements, etc.)
*†§Strickland Machine Co. (Machinists & Fdrs.), 2330 E Main
*Tower-Binford Electric & Mfg. Co. (Electrical Specialties)
*†§Tredegar Co. (Car Wheels & Brass & Iron Castings), ft. of 5th
*Turner Jno. Son (Jobbing), 1108 E Cary
*Umlauf J. A. (Elevators), 9 S 15th
*Virginia Forging & Mfg. Co.
*Virginia Iron & Metal Co., 7th & Semmes
ROANOKE—*Consolidated Tramway Co.
*†§Roanoke Iron & Bridge Works, Inc.
Roanoke Iron Works Inc. (Steel Castings, Iron Pulleys & Shafting)
*Rock Hill Machine Works
*†Virginia Bridge & Iron Co. (Bridge & Steel Structural Work, etc.)
SALEM—*Comas Machine Co. (Cigarette Machinery)
*†§Salem Foundry & Machine Works (Flour Mill Machy.)
SALTVILLE—*†§Mathieson Alkali Works
STAUNTON—*†Leader Plow Co. (Plows, etc.)
*Stockdon B. F. & Bros.
SUFFOLK — *†§Benthall Machine Co. (Peanut Picking Machines, etc.)
SUTHERLIN*†Kerns T. A.
VENTER—*†Adams C. R.
VESUVIUS—†Vesuvius Plow Works (Agricultural Implements)
WAYNESBORO—†Loth W. J. Stove Co. (Stoves)
WEST GRAHAM—†§*Thistle Fdry. & Machine Co.
WINCHESTER—*†Snapp Fdry. Co.

## WASHINGTON.

ABERDEEN—*†§Douglas Bros. (Founders & Machinists)
*Nelson Neis & Son
*Potter F. M.
ANACORTES — *Bell Machine Works (Jobbing)
Knapp & Ronneberger (Machinist)
ASOTIN—*Brown L. K. (Machine Shop)
BELLINGHAM — *†§Burpee & Letson (Ltd.), (Shingle Mill Machinery, Canning Machinery, etc)
†Union Iron Works (Iron Castings)
*Walling S. E. (Shingle Machinery, etc.)
†§*Whatcom Machinery Depot
BLAINE—*Seely Bros. (Canning Machinery)
CASTLEROCK—*Dickson J. W.
CENTRALIA—Enterprise Foundry
*†§Symons J. P. Co.
CHEHALIS—*Gustaveson P.
COLFAX—†§*Colfax Iron Works
CONNELL—*Flygare & Barnes
*Thomas W. F.
ELLENSBURG—*Mitchell G. L.
ELMA—*Zander J. C.
EVERETT—*Aalbu Bros. (Jobbing)
*†§Bayside Iron Works
*†§Kravik G. H.
*†§Nordeen Foundry Co.
*†Schofield Fred.
*†§Sumner Iron Works (Saw & Shingle Mill Machy., Boilers, etc.)
†Washington Stove Works (Stove Mfrs.)
GOLDENDALE—*Goldendale Garage
HARRINGTON — †§*Dunning Euch Harvester Co.
HOQUIAM—*†§Gray's Harbor Iron & Steel Co. (Founders, Forgers & Machinists)
*†§Lamb Machine Co.
KELSO—*Peters Machine Works
MT. VERNON—*Franklin Iron Works
*Hamburg Bros.
NEWPORT—*Miner F. W.
NORTH YAKIMA—§Heer L. L.
*†§Yakima Iron Works
OLYMPIA—†§*Capitol City Iron Wks.
*Lindley Chas. D.
*Parrott & Hahn
PORT ANGELES—*Machenheimer Bros.
PORT BLAKELY—Port Blakely Mill Co.
PORT TOWNSEND—*Jones Fred. D.
RAYMOND—*†§Raymond Foundry & Machine Co.
RENTON—*†Seattle Car & Foundry Co.
RITZVILLE—*Landreth W. H.
SEATTLE—*§Art Hardware & Mfg. Co. (Bldrs.' Hardware, Brass Castings, etc.)
*Biegert J. C. Machine Works (Mill Mining & Marine Work)
*Clyde Casting Co.

§Doran Bros.
*§Eagle Brass Foundry
*See adv index at end of book*
§Enterprise Brass Foundry
§Finn John Metal Works (Babbitt & Blaring Metal, etc.)
•Heffernan Engine Works (Steam Engines, etc.)
†Lang F. S. Mfg. Co. (Stoves, etc.)
•Meese & Gottfried Co., 558 1st av S. (See San Francisco, Cal.)
•†§N. & S. Foundry Co.
National Engng. & Equipment Co.
•†Northwestern Iron Works (Mining Machinery, etc.)
†Olympic Foundry Co. (Grey Iron & Builders' Castings, etc.)
Olympic Steel Work
•Philbrick Cutter Head Co. (Cutterheads)
†Popple & Knowles Co. (Furnaces, etc.)
•Puget Sound Machinery Depot (Jobbing, Repairs, etc.), 318 1st av S.
†Salmon Bay Foundry Co.
•§Salmon Bay Iron & Brass Foundry
•†Seattle-Astoria Iron Works (Engines, Canning Machy. & Iron Castings)
•Seattle Brass Co. (Brass Fdrs.)
•§Seattle Car & Foundry Co. (Car Builders, etc.)
•†§Seattle Construction & Dry Dock Co. (Ship Builders, Marine Engineers, Iron & Brass Fdrs., etc.)
•Seattle Machine Works (Contractors' Machinery), 511 W Lander
•Seattle Stove Works
§Sharps Brass Foundry
•Smith Cannery Machine Co. (Canning Machines, Lathes, etc.)
•South Seattle Foundry Co.
†§Star Foundry Co.
•Star Machinery Co. (Gang Edgers, Hoists, etc.), 1731 1st av S
•Stetson-Ross Machine Works (Woodworking Machinery)
•†§Sumner Iron Works
†Variety Iron Works (Machinery & Castings)
†§•Vulcon Mfg. Co., 1200 4th av, S
•Washington Elevator Co. (Elevators, etc.)
•†Washington Iron Works (Hoisting & Logging Engines, Castings, etc.)
†West Coast Iron Works
•†Westerman Iron Works (Iron Fdrs. & Machinists)
SHELTON—•Horn Philip (Jobbing)
SNOHOMISH—•†§Snohomish Iron Works
SOUTH BELLINGHAM—†§•Burpee & Letson
SOUTH BEND—†Gilchrist John G.
SPOKANE—•†§Armstrong Machinery Co. (Ice & Refrigerating Machy., etc.)
*See adv index at end of book*
•†§Barnard Mfg. Co. (Flour Mill Machinery, etc.)
•Hallidie Co. (Mining Machy., etc.)
*See adv index at end of book*
•§New York Brass & Iron Works
•†§Northwest Harvester Co. (Iron Castings, Harvesters, etc.)
•Pacific Iron Works (Machinists)
•Simmons & Sons, S7 Madison
•†§Spokane Foundry Co.
†§Spokane Ornamental Iron & Wire Works
Success Seed Grader Co.
•†§Union Iron Works (Mining Machinery, Engines, Castings, etc.)
†§Washington Ornamental Iron Wks.
†§•Washington Water Power Co.
SUNNYSIDE—•Miller & Morrow
TACOMA—†§Atlas Foundry & Machine Co.
•Auto-Marine Engine Works
•Auto-Marine Machine Wks. (Jobbing)
•†Carman Mfg. Co.
•Coast Iron & Machine Works (General Machine Work)
•†Continental Pipe Mfg. Co. (Cast Iron Pipe, Hydrants, Valves, etc)
•§Enterprise Brass Foundry Co.
•†§Globe Iron Wks.
•†§Griffin Wheel Co. (Car Wheels. (See Chicago, Ill.)
•Hallin Gas Engine & Boat Co. (Gas Engines)
•Hoskins L. G. (Machine Work)
•Lock Rail Iron Bedstead Co. (Iron Bedsteads)
•†§Puget Sound Iron & Steel Works (Gasoline Engines, Log Hauls, etc.)
§T. & B. Brass Fdry. Co.
†Tacoma Foundry & Machine Co.
§Tacoma Ry. & Power Co.
•†§Tacoma Smelting Co. (Smelters etc,.)
•Walstad Machine & Electric Co. (General Machine Work)
VANCOUVER—§Rand Iron Works
†Sutton Leadthe Co.
WALLA WALLA—•†§Walla Walla Iron Works
•Washington Weeder Works (Disc Cultivators).

## WEST VIRGINIA.

BLUEFIELD—•†§Superior Supply Co.
CAMERON—•Cameron Tool Co.
•§Eljer Co.
CHARLESTON — •†§Kanawha Mfg. Co. (Coke Oven Castings, Mine Cars, Wheels & Axles, etc.)
•Kelly Axe Mfg. Co. (Axes, etc.)
•†§South Side Foundry & Machine Works (Iron Castings & Mine Fans, etc.)
†Ward Chas. Engineering Works (Marine Boilers, etc.)
CHARLESTOWN—•†Weller Bro.
CLARKSBURG—•§Hart Bros. Machine Co. (Engines & Saw Mills)
•Osborn W. B. Machinery Co.
•†Osborn's J. F. Sons (Iron Fdrs. & Engines & Saw Mills)
ELKINS—•†§Elkins Foundry & Machine Co.
•†§Humphrey Mfg. Co.
FAIRMONT—•Aultman T. G. Steam Pump Works (Steam Pumps, etc.)
•†§Donnally A. H.
•†§Fairmont Mining Machinery Co. (Mining Machy. & Soft Castings)
†§•Fairmont Mold & Foundry Co.
•†§Helmick Foundry & Machine Co. (Coal & Coke Oven Equipments,
•Virginian Electric & Machine Works etc.)
GRAFTON—†§•Hefner & Maysilles
•Moran Patrick
•†§Newlon Foundry & Machine Co.
HINTON—†§•Hinton Foundry, Machine & Plumbing Co.
HUNTINGTON—•†American Car & Fdry. Co. (See St. Louis, Mo.)
†§Huntington Stove & Foundry Co. (Stoves)
†West Va. Foundry & Stove Co. (Stoves etc.)
KEYSTONE — †§•Pocahontas Foundry & Machine Co.
LOGAN—•Guyan Machine Shops (Armature coils, oxy-acetylene, welding, etc.)
MABSCOT—•†§Carper Foundry & Machine Co.
MANNINGTON—•Phillips Chas. Tool Co.
MARTINSBURG—•†Matthews T. E. & Bro.
MORGANTOWN — •†Chrisman Foundry Co. *See adv index at end of book*
•†§Romisch Mfg. Co.
PARKERSBURG—•Acme Fishing Tool Co. (Oil Well Supplies)
•Baldwin Tool Works
•Crotty J. J. & Co.
•Kelly Michael (Est. of) (Iron Fdry.)
•Kesselman & Co. (Machinists & Oil Well Tools, etc.)
•Parkersburg Iron & Steel Co. (Machine Shop for Own Use)
•†§Parkersburg Machine Co.
•Spence H. M.
PIEDMONT—•†§Piedmont Fdry. & Mach. Co. (Iron Fdrs. & Machinists)
POINT PLEASANT — †West Virginia Malleable Iron Co. (Malleable Iron Castings)
RANSON—•Powhattan Brass & Iron Works
RONCEVERTE—•†§Eagle J. W. P.
SISTERVILLE—•McJunkin Machine Co.
WELLSBURG—•Teeple W. S.
WESTON—•†§Danser Mfg. & Supply Co.
WHEELING—•†Centre Foundry & Machine Co. (Iron Fdrs., etc.)
•Hazel Atlas Glass Co.
•†Mahlke R. H.
†Moss J. E. Iron Works
•†National Tube Co. (Riverside Iron Works)
•Riverside Bridge Co.
•Sands H. S. Electrical & Mfg. Co.
§•Saturn Foundry & Machine Co.
†Valley Star Stove Co. (Stoves, etc.)
•Warwood Tool Co. (Tools, etc.), Warwood.
§Waterhouse H.
§Wheeling Bronze Casting Co.
•†Wheeling Mold & Fdry. Co. Rolling Mill Mach., (Special Machy. & Castings)
•†Wheeling Sanitary Mfg. Co. (Enameled Iron Ware, etc.)
Wheeling Steel Casting Co.
•†Wheeling Steel & Iron Co. (Grey Iron Castings, etc., for Own Use Only)
•Wheeling Stove & Range Co. (Stoves, Ranges, etc.)
•†Whitaker-Glessner Co.

## WISCONSIN.

ADELL—†Hellminger Bros.
ALGOMA—•§Plumbers' Woodwork Co.
•†§Wodsedalak Jos. (Gasoline Engines)
ANTIGO—•†§Mayer Bros. (Hoists, Gasoline Engines, etc.)
APPLETON — •†§Appleton Machine Co. (Paper & Pulp Mill Machinery)
•Badger Furnace Co.
•†Eagle Mfg. Co. (Portable Gas Engines, etc.)
§Fox River Screen Plate Co.
•Killen-Strait Mfg. Co.
•†§Valley Iron Works Co. (Iron & Bronze Castings & Wood Pulp Machinery)
ASHLAND—•†§Bretting C. G. Mfg. Co.
†§Sanders Robert E. (Boilers etc.)
BARABOO—•Gollmar E. T.
BEAVER DAM—•Harder H. J. (Gas Engines)
†§•Klipper Mfg. Co.
•†§Malleable Iron Range Co. (Malleable Iron Ranges)
•Tiger Drill Mfg. Co.
Western Malleable Co.
BELOIT——§•Beloit Brass Works
†§Beloit Foundry Co. (Grey Iron Castings)
•†§Beloit Iron Works (Paper Mill Machinery)
•Dowd R. J. Knife Works (Machine Knives, etc.)
•†§Fairbanks, Morse & Co. (Gas Engines, etc.)
•Gardner Machine Co. (Disc Grinders, etc.), S. Beloit, Div.
•†Gaston's N. B. Sons Co. (Scales, etc.)
§Hammill A.
•Hendley & Whitemore Co. (Punching & Shearing Machinery)
•§Lipman Refrigerator Car & Mfg. Co. (Centrifugal & Rotary Pumps)
†Mork P. F. (Grey Iron Castings)
•†§Thompson Plow & Engine Works (Agrl. Implts., Engines, etc.)
•Wisconsin Farm Implement Co. (Feed Mills)
•†Yates P. B. Machine Co. (Wood Working, Machinery, etc.)
BERLIN—•†§Johnson-Fortnum Machine Works
•†Schaefer Mfg. Co. (Gas & Gasoline Engines, etc.)
BLACK EARTH—•Fesenfeld & Barber
BLOOMER—•Bloomer Machine Works
BOSCOBEL—•†Ruka Bros. Mfg. Co. (Ltd.)
BRANDON—•Sherwin E. C. & Son (Road Scrapers, etc.)
BRILLION—•†Brillion Iron Works
BROOKLYN—•Farmers' Mutual Benefit & Trading Co.
BURLINGTON—•§Burlington Brass Wks. (General Brass Fdrs. & Finishers)
•Lawton & Bushman (Tools, etc.)
•†Wagner Bros.
CEDAR GROVE—•†§Wisconsin Foundry & Steel Works (Steel Ranges, Brass & Grey Iron Castings, Gasoline Engines, Steel Ranges, etc)
CHIPPEWA FALLS—•Brown Henry
•†Chippewa Fdry. & Machine Co.
COLBY—•Loos E. D.
COLUMBUS—•Roberts G. D. & Co.
CUDAHY—•†Worthington Pump & Machinery Corp. (Power & Mining Machinery Works)
*See adv index at end of book*
DE PERE—•Lauson-Lawton Co. (Gas & Gasoline Engines, etc.)
•†Lawton Chas. A. Co.
†Western Steel & Iron Works
DORCHESTER—•Fleckenstein V.
EAU CLAIRE—•Drake P. A.
•†Eau Claire Mfg. Co.
•†International Harvester Co. (See Chicago, Ill.)
*See adv index at end of book*
•†McDonough Mfg. Co. (Saw Mill Machinery, etc.)
•†§Northwestern Steel & Iron Works (Concrete Bldg. Block, Machinery, etc.)

WISCONSIN—Eau Claire—continued.
*†§Phoenix Mfg. Co. (Saw Mill Machinery, Steam Engines, etc.)
*White A. E. Machine Works (Special Machinery)
EDGERTON—Burgy F. F. (Gasoline Engines, etc.)
*Carrier F. P. (Gasoline Engines)
ELKHORN—*Zwiebel & Griebel (Machinists)
ELLSWORTH—*†Rounce J. S.
EVANSVILLE—*†§Baker Mfg. Co. (Wind Mills & Engines)
FOND DU LAC—*Abel T. W.
*†Giddings & Lewis Mfg. Co. (Iron Fdrs. & Saw Mill Machinery)
*Glasow Fred (Plows)
*Quentin Peter N. (Gas Engines)
FORT ATKINSON—*†§Creamery Package Mfg. Co. (See Chicago, Ill.)
*Pounder Geo. H. (Harrows, etc.)
FOUNTAIN CITY—*Dressendorfer Andrew
FREDONIA—†*Gilson Bros. Co.
GLEN BEULAH—*Diehl Novelty Co. (Hdw. Novelties)
GLENWOOD CITY—*Krueger E. F.
GRAFTON—†§Grafton Foundry Co. (Castings, Stools & Settees)
†Jungers Stove & Range Co.
GRAND RAPIDS — *American Carbonic Machinery Co. (Refrigerating Machines)
*†§Grand Rapids Fdry. Co.
GREEN BAY — *Green Bay Barker Co. (Wood Barking Machinery)
*†§Green Bay Foundry & Machine Co.
*Hartman-Greiling Co.
†§Helgerson Bros. Iron Works
*Hess W. J.
*Hudson-Sharp Machine Co.
*Nelson Indra Machinery Co.
!§Rothe Jos. F. Foundry Co. (Castings)
*Straubel Mach. Co.(Gasoline Engines)
HARTFORD—*Kissel Motor Car Co.
HORICON—*†Van Brandt Mfg. Co. (Agri'l Implements, etc.)
HURLEY—†§*Twin City Iron Works
JANESVILLE—*Ambrose F. O. (Jobbing)
*†Badger State Machine Co. (Punching & Shearing Machinery)
*Bicknell Mfg. & Supply Co. (Power Machinery, etc.)
*†§Janesville Machine Co. (Agrl. Implements, etc.)
*Larsen Holger E. (Jobbing)
*†§New Doty Mfg. Co. (Punching & Shearing Machinery)
*Rock River Machine Co. (Punching & Shearing Machinery)
*Spicer Wm. E. & Co. (Jobbing)
*Strickler Hay Tool Co. (Hay Tools, Hdw., etc.)
JEFFERSON—"Waverly Mfg. Co. (Motorcycles)
JUNEAU—*Brensike John & Son
*†§Brieman Chas. G.
KAUKAUNA—*Hoehne Machine Works
*†§Kaukauna Machine Wks. (Paper & Pulp Mill Machinery)
†§*Kaukauna Machine Works
KENOSHA—§*American Brass Co.
†§Arneson Foundry Co. (Grey Iron Castings, etc.)
*Arnold & Murdock
*§Frost Mfg. Co. (Plumbers' Brass Goods, etc.)
Hall, C. M., Lamp Co.
*Lippert & Rhenstrom (Presses, Dies, Machy., etc.)
*†§Nash Motors Co. The (Automobiles for own use)
*†§Simmons Co. (Metallic Bedsteads, etc., for own use)
§*Specialty Brass Co.
*Wells Frank L. Co. (Spring Bed Machinery, etc.)
KEWASKUM—*†Remmel Nicholas (Machinist)
KEWAUNEE—*†Hamachek Frank (Agri. Implements, Canning Machinery, etc.)
KIEL—*Kiel Machine Co.
KILBOURN—†*Marshall Mfg. Co.
KOHLER—†Kohler Co.
LA CROSSE—*Benton Electric Co. (Dynamos, Engines, etc.)
*Franklin Iron Works
*†§James Alfred
*†§La Crosse Plow Co. (Plows, etc)
La Cross Tractor Co. (Gasoline Engines)
§Lunde & Childs
'McKenzie Mfg. Co. (Potato Machy., etc.)
§*National Gauge & Equipment Co.
*See adv index at end of book*
*Ott Benj. & Sons Co. (Bark Shaving Mills)
*Pederson C. & Son
*†Smith Mfg. Co. (Wagons, Grey Iron Castings, Stump Pullers, etc.)
*Stamping & Tool Co. (Steel Novelties, Dies, etc.)
*Starch Bros. Co. (Cream Separators, etc.)
*†Torrance Jno. & Son (Machinists & Builders & Machinery Castings, etc.)
LAKE GENEVA—*§Gill W. E.
LAKE MILLS—*†§Creamery Package Mfg. Co.
LANCASTER—*Hyde E. H. (Machinist)
MADISON—Berkeley Fourness Co. (Die Castings)
*§Fuller — Johnson Mfg. Co.
*†§Gisholt Machine Co. (Machine Tools, Vertical & Horizontal Boring Mills, Turret Lathes, Tool Grinders, Brass & Iron Fdrs.)
*†Kupfer Theodore (Power Shears, etc.)
§Madison Brass Works
*Madison-Kipp Lubricator Co. (Lubricators)
*†§Madison Plow Co. (Agrl. Implts.)
*Peper John W.
†Southern Wisconsin Foundry Co.
*Steinle Turret Machine Co. (Turret Lathes, Heavy Duty)
*†§Wisconsin Foundry & Machine Co. (Printing Presses, etc.)
MANITOWOC—§Aluminum Castings Co. (Aluminum Castings). (Office: Cleveland, O.)
*§Aluminum Goods Mfg. Co. (Aluminum Castings & Specialties)
*Aluminum Specialty Co. (Machine Shop, Aluminum Novelties)
*Dedrick N. (Special Machy., etc.)
*Gaterman Mfg. Co. (Agricultural Implements, etc.)
†§Gumm Aluminum Casting Co.
*†Manitowoc Foundry & Machine Co. (Grey Iron Castings, etc.)
*Manitowoc Shipbuilding Co. (Steel Ships, Engines, etc.)
*†§Richards Iron Works (Engines, Grey Iron Castings, etc.)
*†§Smalley Mfg. Co. (Agrl. Implts., Plows)
†§Western Iron Works
†Wisconsin Aluminum Foundry Co.
MARINETTE—*†§Marinette Iron Works
*Sandlund Peter
MARSHFIELD—*§Lang & Scharmann
MARYTOWN—*Langenfeld Jno.
MAUSTON—*Strong H. C.
MENASHA—*†§Sailor Whitmore Machine Co.
MENOMINEE—†§*Aetna Engine Works
MENOMINEE FALLS—*Menominee Falls Mfg. Co.
MENOMONIE—Laursen Automatic Pump Co.
MERRILL—*†§Merrill Iron Works
MILWAUKEE—*†§Allis-Chalmers Mfg. Co. (Mining Machinery, Steam Turbines' Engines, Pumps, etc.)
*§American Brass Foundry Co.
*American Metal Products Co.
*Artos Engineering Co. (Tex. Machy.), 348 Milwaukee
*Atlas Metal Parts Co., 998 15th
*Badger Meter Mfg. Co. (Water Meters), 841 30th
*Barth Mfg. Co. (Jacks, etc.)
*†Bay View Steel Casting Co. (Steel Castings, etc.), 132 S Bay
*Bayley Mfg. Co. (Steam Engines, Fans & Blowers, etc)
*Beaver Mfg. Co. (Gasoline Engines), 1st & Oklahoma av
*Brand Stove Co.
*Busch J. C. Co. (Compressors, Sprue Cutters, Cranes & Hoists), 140 Ferry
†Central Foundry Co.
*†Chain Belt Co (Grey & Malleable Iron & Steel Castings, Conveyors, Chain Link, etc.)
*Christensen Engineering Co. (Gasoline Engines)
§Claus Automatic Gas Cock Co.
†Cream City Foundry Co., 15th & Oklahoma av
†Crucible Steel-Casting Co. (Crucible Steel Castings), 612 Clinton
*§Davis Mfg. Co. (Gasoline Engines, etc.)
*Doelger & Kirsten (Power Shears, etc.), 507 Cedar
*Downey Heating & Supply Co. (Jobbing & Repairs, etc.), 615 Clybourn
*Durant Mfg. Co. ("Productimeter" Speed Indicators, Counting Machines)
Electric Steel Casting Co.
*§FALK CO. (Steel Castings), ft 30th
*See adv index at end of book*
†Federal Malleable Co. (Malleable Iron Fdrs., Chain Belts, etc.)
*Feilbach Motor Co. (Motorcycles), Weil & Burleigh
*†§Filer & Stowell Co. (Steam Engines, Pumps, Saw Mill Machinery, etc.)
§Fisher Brass Foundry Co.
Fisher Specialty Co., 326 Ogden av
*†Fraser Co. (Engines & Milling Machines), 667 E Water
*†Fuller-Warren Co. (Stoves, etc.), 32nd & Wright
§Galland-Henning Mfg. Co. (Malting Drums)
*Gas Power Engineering Co., 213 North av
†§Gemco Mfg. Co. (Auto Specialties)
*Gerlinger Steel Casting Co.
Greenslade John, 678 Jefferson
*Haase Motor Works (Gasoline Engines)
*Hackendahl & Schmidt Co. (Bldg., Iron Works, etc), 16th & Canal
*Harley-Davidson Motor Co. (Motorcycles), 3732 Chestnut
*Harrow Spring Co.
Heil Co., (Tanks, etc), 26th & Montana aves
*Heller S. (Electric Elevators & Hoisting Machinery), 250 Milwaukee
*Hide & Leather Working Mach Co., 4215 Meinecke av
*†Hirsch Bros. (Agrl. Implts.), 267 Reed
*†§Hoffmann B. Mfg. Co. (Iron & Brass Fdrs. & Steam Fitters & Plumbers' Supplies)
†§Hoffman & Billings Mfg. Co. (Plumbers' Supplies), 100 2nd
*Holt Electric Co. (Dynamos & Motors), 379 S Pierce
*Hoyer Engineering Co. (Gas & Gasoline Engines), 281 Grove
Industrial Controller Co. (Electrical Specialties), 890 Greenbush
†§*International Harvester Corporation
*†§Jaeschke Bros. Foundry Co., 3026 Locust
§Kagel Bros., 1208 St. Paul av
*Kahn Mfg. Co. (Machinery, etc.), 598 Clinton
*Kieckhefer A. Elevator Co. (Electric Hand & Power Elevators)
*Koehring Machine Co. (Concrete Mixed)
*§Kruecke Bros. Mfg. Co. (Brass Fdrs.), 515 Park
*§Lamp & Miller Mfg. Co. (Brass Fdrs. & Finishers), 382 4th
Le Roi Co. (Gas Engines, etc.)
*†§Lindemann A. J. & Hoverson Co.
*§Loeffelholz Co. (Railroad Car, Cabinet & Office Trimmings, etc.)
*Logemann Bros. Co. (Hydraulic Presses, etc.), 3130 Burleigh
*Luitink & Sons Mfg. Co. (Door Hangers, etc.), 775 18th
*Luther Grinder Mfg. Co. (Tool Grinders, Post Drills & Vises, etc.), 285 S Water
*Lutter & Gies (Machine Tools), 253 Lake
Magnus Co., Inc., 241 Greenfield
†Manufacturers Foundry Co., 15th & Oklahoma av
*Marsh Refrigerator Service Co., Port Washington rd
†Martin A. E. Foundry & Mach. Co. (Grey Iron Castings), 705 Park
†Maynard Steel Foundry Co., 716 Reed
*Mechanical Appliance Co. (Dynamos, Motors & Generators)
*Meyer Geo. J. Mfg. Co., 598 Clinton
*Meyer Geo. J. Mfg. Co.
§Milwaukee Aluminum & Brass Foundry Co. (Aluminum & Brass Castings), 295 Reed
*Milwaukee Auto Engine & Supply Co., 841 29th
*§Milwaukee Brass Mfg. Co. (Plumbers' Brass Goods), 251 Lapham
*Milwaukee Bridge Co. (Steel Structural Work, etc.), 1400 34th

§Milwaukee Bronze Casting Co.
*Milwaukee Die Casting Co.
*Milwaukee Dry Dock Co., ft. Washington
*§Milwaukee Electric Railway & Light Co., Public Service bldg
*Milwaukee Hay Tool Co.
Milwaukee Locomotive Mfg. Co. (Gasoline Locomotives), ft Belleview
*†Milwaukee Malleable & Grey Iron Wks., Layton Park
*Milwaukee Metal Working Co., 383 Clinton
Milwaukee Shaper Co. (Friction Clutches), 1029 Cold Spring
*†Milwaukee Steel Foundry Co. 101 S Water
*§Milwaukee Valve Co. (Valves & Steam Specialties, etc.), 139 Burrell
*Miotke Jos., 144 Clinton
*Modern Pattern Co., 150 Clinton
*†Mueller L. J. Furnace Co. (Furnaces & Heating Apparatus, etc.), 197 Reed
*Munkwitz Edw. H. Co. (Tanners' Machy.), 159 Muskego av
§Murphy Specialty Co., 90 2d
*Nash J. M. (Chair, Wood Polishing & Woodworking Machinery), 842 30th
*National Brake & Electric Co. (Air Brakes, Compressors, etc.), ft. Belleview pl
*National Foundry Co.
*National Machine Co.
*National Specialty Mfg. Co. (Printing Machines), 373 B'way
*National Steel Foundries (Steel Castings), Belleview pl & Larkin
*Noll Bros. (Agricultural Hardware, etc.), 849 Allis
*†Nordberg Mfg. Co. (Engines, Pumping Machinery, etc), Chicago & Oklahoma
†North End Foundry Co., 60th av & Ry. Tracks
†§Northwestern Malleable Iron Co., 756 Park
*Northwestern Mfg. Co. (Dynamos & Motors), 482 Clinton
†Nortmann-Duffke Foundry Co., 27th av
*Obenberger Joseph & Son Co. (Dumping Buckets, etc.), 125 Barclay
*†Pawling & Harnishfeger (Electric Cranes & Hoists, etc.)
*See adv index at end of book*
Pelton Steel Co., 672 Kinnickinnic
*Phenix Mfg. Co. (Hardware Specialties)
§Polachek & Bros.
§Prime Steel Co. (Steel Castings), 670 Kinnickinnic av
*Prinz & Rau Mfg. Co. (Brewers & Malsters & Flour Mill Machy., etc.), 659 E Water
§Progressive Metal & Refining Co. (Babbitt Metal & Castings), 432 Barclay
*Richards Machine Co. (Machine Tools), 3417 Vliet
*†Richardson-Phenix Co. (Lubricators, Oil Pumps, etc), 131 2nd
Rosenberg F. Elevator Co. (Elevators, etc), 174 Reed
†*Rosenthal Coin Husker Co.
*†§Rundle Mfg. Co. (Enameled Iron Ware & Brass Goods), 27th & Wohl
§Rundle-Spence Mfg. Co. (Plumbers' Brass Goods, etc), 63 2nd
*Schneck Machine Co., 811 St. Paul av
*Schwab Ph. Co., 16th & Canal
*†Schwab R. J. & Sons Co. (Iron Fdrs. & Machinists & Hot Air Furnaces) 283 Clinton
†Sheriffs Mfg. Co.
†Sivyer Steel Casting Co.
*Skobis Co. (Builders' Iron Work), 951 30th
†Smith Geo. H. Steel Casting Co. (Steel & Manganese Steel Castings & Machine Works)
*†Smith T. L. Co., 1151 32d
†South Side Malleable Casting Co. (Malleable Iron Founders), 14th av & Ry. Tracks
*†Speich Stove Repair Co., 130 W Water
*§Standard Brass & Iron Works (Brass Founders & Finishers), 1820 St. Paul av
†Standard Crucible Steel Casting Co., 719 30th
*Standard Separator Co. (Cream Separators), 45th & Burnham
*Steam Appliance Co. (Steam Appliances)
*Stehling Chas. H. Co. (Tanners' Machinery)
*†Stowell Mfg. & Foundry Co. (Hardware)
*Stroh Die Moulded Casting Co.
*†Toepfer W. & Sons Co. (Brewers' Machinery), 80 Menomonee
*Treichel & Hyink, 727 N Water
*Universal Machinery Co. (Machy.), 784 30th
*†§VILTER MFG. CO. (Corliss Engines, Ice & Refrigerating Machines, Machinery, etc), 1046 Clinton
*See adv index at end of book*
*Wagner A. F., Architectural Iron Works, 763 N Water
†Wehr Steel Co., 45th & Gordon
*West Allis Iron Works
*Western Fixture Co. (Display Fixtures, etc), 1402 Weil
§Windsor Mfg. Co., 570 Clinton
†Wiconsin Malleable Iron Co. (Malleable Iron Castings), South Bay
MONROE—*†Lanz A & Sons (Machinists)
NEENAH—†Aylward Sons Co. (Grey Iron Castings, etc.)
†Bergstrom Stove Co. (Stoves)
*Johnson & Wells Machine Co.
*§Neenah Brass Works
NESHKORO—†Dombrowski F.
NEW HOLSTEIN—*Lauson John Mfg. Co. (Gas & Gasoline Engines, etc.)
NEW LONDON—*Thomas & Brown
NORTH KAUKAUNA — §*Hoehner F. F. Foundry
NORTH MILWAUKEE—*Crown Commercial Car Co. (Motor Trucks)
*Wisconsin Bridge & Iron Co.
OSHKOSH—†§Barnes J. A. Machine Co.
*†Challoner Co. (Saw Mill Machy.)
*Dauber-Bell Machine Co.
*Dauber-Kratsch Co.
*†§Davis-Hansen Co. (Pumps, etc.)
*†Doman H. C. Co.
*†Hayes E. B. Machinery Corp. (Woodworking Machinery)
*Pine-Ihrig Machine Co. (Bed Spring Machinery, etc.)
*Ransom Mfg. Co. (Tool Grinders, etc.)
*†§Termaat & Monahan Mfg. Co. (Gasoline Engines, etc)
†Universal Foundry Co.
*†Wilkin-Challoner Co. (Saw Mill Machinery)
PLATTEVILLE—*Dana Co.
*§Galena Iron Works Corp. (See Galena, Ill.
PLYMOUTH—*†Plymouth Foundry & Machine Co.
*Wolf Henry F
PORTAGE—*†§Baird & Slinger
PORT WASHINGTON—*†§Gilson Mfg. Co.
†Martin Foundry Co. (Gasoline Engines, etc.)
*†§Turner Mfg. Co. (Gas & Gasoline Engines, Grey Iron Castings, etc.)
PRAIRIE DU CHIEN—*Beuthin Chas. F. W.
PRINCETON—*Mueller Erich
RACINE—*Adams E. B. & Son (Hardware, Carriage Springs, etc.)
*American Mangle & Roller Co. (Laundry Machinery)
*†American Seating Co.
*†American Skein & Foundry Co. (Jack Screws, etc.)
*Arnold Electric Co. (Vibrators, etc)
†Badger Foundry Co.
*Beffel Frank Mfg. Co. (Models & Experimental Work, Tools, Dies, etc.)
†Belle City Malleable Iron Co.
*†Belle City Mfg Co. (Agrl. Implts., Iron Castings, etc.)
*†§Case J. I. Plow Works (Plows & Agrl. Implts. for Company's use only)
†§*Case Threshing Machine Co.
§Christensen Machine Co.
*Didier Wm. Mfg. Co. (Jobbing Machinists)
*Driver C. H. & Kerr Co. (Sand Papering Machines)
*†Foster & Williams Mfg. Co. (Agrl. Implts, etc.)
*†Freeman Mfg. Co. (Agrl. Implts, Windmills, etc)
*Gorton Geo. Machine Co. (Engraving Machines, etc.)
*Greene F. J. Engineering Works (Special Machinery, etc)
*Harvey Spring & Forging Co. (Bolster Springs, etc.)
*Higgins Spring & Axle Co. (Springs & Axles, etc.)
*†§Holbrook-Armstrong Iron Co. (Aluminum, Brass & Grey Iron Castings)
†Lakeside Malleable Castings Co.
*Lang R. B. Mfg. Co.
*Mitchell Motors Co. Inc. (Automobiles)
Overland Shoe Co.
*Peerless Machine Co. (Hack Saw Machines & Blades)
*Piggins Motor Truck Co.
*Progressive Foundry & Mfg. Co.
§Racine Aluminum & Brass Foundry Co.
†§Racine Brass & Iron Co.
*Racine Confectioners' Machinery Co.
*Racine Electric Co.
*†Racine Malleable & Wrought Iron Co. (Hdw. Specialties, Copying Presses, etc.)
*Racine Metal Stamping Co. (Spring Hinges, etc.)
†Racine Steel Castings Co. (Steel Castings, etc.)
*Racine Tool & Machine Co. (Metal Cutting Machines)
*Sieverkropp Engine Co. (Gaso. Engines)
Simms Foundry Co.
†Standard Foundry Co. (Castings)
*Tecktonius E. C. Mfg. Co. (Hoop. Lugs, Bolster Springs, etc.)
*Wabers Mfg. Co. (Corn & Potatc Planter, etc.)
*Wallis Tractor Co. (Gasoline Tractors)
*Webster Electric Co. (Magnetos, etc.)
*Wisconsin Cylinder Fdry. Co. (Cast Iron Cylinders, etc.)
*Wisconsin Electric Co. (Vacuum Cleaner Motors), 1600 Junction av
*See adv index at end of book*
*Wisconsin Metal Products Co. (Dies, Tools, etc.)
*†Wood Lyman Mfg. Co. (Stove Repairs, Saddlery, Hdw., etc.)
RANDOLPH—*Nutting C. A.
*Smith Geo. B.
RHINELANDER—*†Rhinelander Iron Co.
RICE LAKE—*Rice Lake Iron Works
SCHLEISINGERVILLE—†La Point Fdry. Co.
*†Rosche John
SEYMOUR—Lotter Bros Mfg. Co.
SHAWANO—*Schweers Hardware Co.
SHEBOYGAN—†*Armbruster Otto
*Garton Toy Co. (Iron Toys, etc)
*†Globe Co. (Feed Cutters, Feed Mills, Saw Machines, etc.)
*†§Jenkins Machine Co. (Chair & Woodworking Machinery, etc.)
†Kerskamp Bros.
†Kohler Co. (Cast Iron Enamel, Sanitary Ware)
*Myers Machine Co. (Woodworking Machinery)
*Optenberg Iron Works (Radial Drills, etc.)
*Porcelain Enameling Assn. of America (Cast Iron Enameled Hollow Ware)
*†Vollrath Co. (Enameled Cast Iron Hollow Ware)
SHELL LAKE—*Raney F. J.
SILVERLAKE—†Graf Stove & Range Co.
SOUTH MILWAUKEE—*†§Badger Malleable & Mfg. Co. (Malleable Iron Founders)
*†Bucyrus Co. (Steam Shovels, Dredges, etc.)
*†§Stowell Co. The (Grey Iron, Malleable Steel & Brass Castings, Door Hangers & Hardware Specialties, etc)
SPARTA—*†Sparta Iron Works Co. (Well Drilling Machinery, etc.)
STEVENS POINT—†*Comee Metallic Packing Co.
†Cook R. A.
*Koshollek Paul F. & Son (Gasoline Engines)
*Sustins F. A.

MACHINISTS & FOUNDERS

WISCONSIN—continued.

STOUGHTON—†Mandt Wagon Co.
•†Stoughton Wagon Co. (Plows, etc)
STURGEON BAY—•Hunsader John Machine Co.
•†§Ives Wallace L.
SUPERIOR—•†§Duplex Mfg. Co. (Windmills, Engines, etc.)
•†§Evered Foundry & Machine Wks.
•Northwestern Boiler Works.
•†§Superior Iron Works Co. (Engines & Dredging Machinery, Iron & Brass Castings, Swinging Engines, etc.)
•Superior Ship Building Co. (Ships, Marine Engines, etc.)
†Thomas & Almquist
TOMAHAWK—•†§Tomahawk Steel & Iron Works (Boilers, Tanks, Grey Iron, Brass & Semi-Steel Castings, etc
TWO RIVERS—†Becker Mfg. Co.
•Kahlenberg Bros. Co. (Gasoline Marine Engines)
•Standard Aluminum Co.
VEEDUM—†§•Reick Karl
WASHBURN—•Steinert R & Co.
WATERTOWN—•Biefeld O. & Co.
§Brandt-Dent Co. (Gas Fixtures, etc.)
•Watertown Machine Co.
WAUKESHA—•†Blair & Son
•Ladewig & Stock Co.
•†Rowell I. B. Co (Agricultural Implements)
•Spring City Fdry. Co. (Grey Iron Castings)
§Waukesha Foundry Co.
†Waukesha Malleable Iron Co.
•Waukesha Motor Co. (Auto Motors)
Werra Aluminum Foundry Co.
WAUPACA—•Hansen A. M.
†Rosche & Suhs
WAUPUN—†§Althouse-Wheeler Co. (Windmills & Pumps, etc.)
WAUSAU—•Hernke Bernard (Jobbing)
•Karas, Sigmund (Jobbing)
•†§Murray D. J. Mfg. Co. (Saw Mill Machinery)
•Northern Machine Works (Jobbing)
•†Wausau Foundry & Machine Co.
•Wausau Iron Works
WEST ALLIS—•†§Allis-Chalmers Mfg. Co. (Corliss Engines, Mining Machinery, etc.)
•†Federal Malleable Co. (Malleable Iron Founders, Chain Belts, etc.)
†Gerlinger Steel Castings Co. (Steel Castings, etc.)
•Kearney & Trecker Co. (Machine Tools)
•Kempsmith Mfg. Co. (Machine Tools)
•North End Foundry Co.
†Sterling Wheelbarrow Co.
Wehr Steel Co.
†West Allis Iron Works (Grey Iron & Semi-Steel Castings)
WEST BEND—•†§Gehl Bros. Mfg. Co. (Agrl. Implts., Grey Iron Castings, etc.)
•West Bend Aluminum Co.
WEYAUWEGA—•Haire James A.
WHITEWATER—•Dunham & Fiske, (Agrl. Implts., etc.)

## 9503-4—Machinists' Tools & Supplies (Dealers)

See also Mill & Factory Supplies

For Manufacturers of Machinists' Tools & Supplies, see the Specific Article Required

### ALABAMA.

BIRMINGHAM—Moore-Handley Hardware Co.
MONTGOMERY—Barnett G. W., Hardware Co.

### CALIFORNIA.

LOS ANGELES—Fairbanks, Morse & Co., 427 E 3rd
Harron, Richard & McCone (Machine Tools), 225 San Pedro
McFie W. T. Supply Co.
Wigmore Jno. & Sons Co., 401 E 4th
SAN FRANCISCO—Berger & Carter Co. (Owners of Pacific Tool & Supply Co.), 365 Market
General Machinery Supply Co., 39 Stevenson
*See adv index at end of book*
Harron Richard & McCone, 139 Townsend
Hicks Jas. L., 967 Howard
Marwedl, C. W., 76 1st
Pacific Tool & Supply Co. (Owned by Berger & Carter Co.), Fremont & Mission
Taber-Bigelow Co., 504 Mission

### COLORADO.

DENVER—Hendrie & Bolthoff Mfg. & Supply Co.

### DELAWARE.

WILMINGTON—Delaware Electric & Supply Co.
Hudson Supply Co., Front & Market
Wilson Hardware Co.

### DISTRICT OF COLUMBIA.

WASHINGTON—Lambie Jas. B. Co., 1417 N. Y. av, N W

### GEORGIA.

ATLANTA—Armstrong R. S. & Bro.
Cotton States Belting & Supply Co.
Walraven Co., The, 36-38 W Alabama
*See adv index at end of book*
AUGUSTA—Lombard Iron Works & Supply Co.
ROME—Battey Machinery Co.

### ILLINOIS.

BLOOMINGTON—Holder Hardware Co.
Keiser-Van Leer Co.
Read G. H. & Bro.
CAIRO—Reed Hardware & Mfg. Co.
CHICAGO—Besly Chas. H. & Co., 120 N Clinton
Blancke A. C. & Co., 16 S Michigan av. *See adv index at end of book*
Carpenter Geo. B. & Co., 440 N Wells
Crerar, Adams & Co., 259 E Erie
Essley E. L. Machinery Co., 555 Washington blvd
Harris Samuel & Co., 114 N Clinton
Henion & Hubbell, 219 N Jefferson
Hill, Clarke & Co., 625 W Washington
Hodge & Homer Co., 549 W Madison
Hunt E. Hamilton, 136 W Lake
Iron & Steel Products Corp., 2337 S Michigan av
Machinists' Supply Co., 17 N Jefferson
Manning, Maxwell & Moore, 111 N Canal
Marshall & Huschart Machinery Co., 17 S Jefferson
Mazel-Rest Supply Co., 1846 Grand av.
MOLITER CHAS. MACHINERY CO., 118 S Clinton
Patterson & Schroeder Supply Co., 560 W Van Buren
Scully Steel & Iron Co., 2364 S Ashland av
Seehausen Wehrs & Co., 173 N Franklin
Sterling Products Co., Inc., 35 S Desplaines
Wallace Wm. & Sons, 513 Wells
DECATUR—Morehouse & Wells Co.
JOLIET—Barrett Hardware Co.
MOLINE—Dunn Thos. & Sons
SPRINGFIELD—Miller W. B. & Son
STREATOR—Williams Hardware Co., Williams bldg.
*See adv index at end of book*

### INDIANA.

BEDFORD—Meyers, Willard F., Co.
ELKHART—Borneman & Sons
EVANSVILLE—Boetticher & Kellogg Co.
Bush E. M. Hardware Co.
Clifford Hardware Co.
Evansville Supply Co.
Orr Iron Co.
FORT WAYNE—Mossman, Yarnelle & Co.
National Mill Supply Co.
Pfeiffer Henry & Son Co.
GOSHEN—Hawks Hardware Co.
INDIANAPOLIS—Holliday W. J. & Co.
Van Camp Hdw. & Iron Co., 401 W Maryland
Vonnegut Hardware Co., 120 E Washington
KOKOMO—Kokomo Hardware Co.
MARION—Marion Machine Fdry. & Supply Co.
RICHMOND—Jones Hardware Co.

### IOWA.

CEDAR RAPIDS—Fawcett C. E.
DAVENPORT—Sieg Co.
DES MOINES—Brown-Camp Hardware Co.
SIOUX CITY—McGraw Co.
WATERLOO—Cutler Hardware Co.

### KANSAS.

TOPEKA—Thompson W. A. L. Hardware Co.

### KENTUCKY.

LOUISVILLE—Morton E. D. & Co.
OWENSBORO—Guenther Hardware Co.
Owensboro Hdwe. & Iron Co.

### MAINE.

PORTLAND—Edwards & Walker Co. (Tools, etc)

### MARYLAND.

BALTIMORE—Adt Jno. B. Co. 340 No. Holliday
Aumen Machinery Co., 109 E. Lombard
Benson L. A., 8 E Lombard
Carey Machinery & Supply Co., 119 E Lombard
Coggins & Owens, 19 S Charles
Crook-Horner Supply Co. 7 Balderson
Cuyler & Mohler, 611 William
Spedden Supply Co., Boston & Kenwood av
Stebbins Wallace & Sons, 100 S Charles
Wallace & Gale, 115 S Gay

### MASSACHUSETTS.

BOSTON—Armstrong G. R. Mfrs. Supplies, Inc. (Small Tools), 252 Franklin
Beal Joseph & Co., 465 Atlantic av.
Brown Wales Co. (Supplies), 489 C
Farquhar Co., 36 Federal
Chase, Parker & Co., 81 Pearl
CUTTER & WOOD SUPPLY CO., 68 Pearl. *See adv index at end of book*
Dodge, Haley Co., 218 High
Farquhar Co., 36 Federal
Fitts Frank E. Mfg. & Supply Co., 88 Purchase
Fitz, Dana & Co., 110 North
Hill Clarke & Co., Inc., 156 Oliver
Manning, Maxwell & Moore, 10 High
Rawles James D., 74 Pearl
Wilkinson A. J. & Co., 184 Washington

### MICHIGAN.

BAY CITY—Jennison Hdw Co., (& Jobbers)
DETROIT—Central Distributing Co., 316 Harper
Rayl T. B. Co., 3 Grand River
Strelinger Chas. A. Co., 43 E Larned
Wormer C. C. Co., Penobscot bldg.
JACKSON—Central Distributing Co.
Modern Machine Tool Co. (Also Iron Working Machinery & Cutting Off Machines)

### MINNESOTA.

MINNEAPOLIS—Morison W. K. & Co., 15 S 7th
Northern Machinery Co., 503 S 6th

### MISSOURI.

KANSAS CITY—Bonnivell, Calvin Iron Co.
Brunner H. J. Hardware & Machine Supply Co., 1306 Grand
Bunting Hardware Co.
Elfeldt Hardware & Machinist Supply Co., 1219 McGee
English Tool & Supply Co.
Equipment Co., 1531 Walnut
Faeth Iron Co., 1125 N 8th
Great Western Mfg. Co.
Haysler Iron Co., 1126 Union av
Revere Rubber & Supply Co., 1520 Main
Richards & Conover Hardware Co., 5th, N W cor Wyandotte
Townley Metal & Hardware Co., 2d, S W cor Walnut
ST. JOSEPH—Bristol Co.
Howe W. B. Supply Co.

T. LOUIS—Cahill Swift Mfg. Co., 1112 Market
Colcord Wright Machinery & Supply Co., 1223 to 1229 N B'way
Crane Co. (Est. 1855)
Fairbanks, Morse & Co.
Geller-Ward & Hasner Hardware Co., 414 N 4th
Handlan-Buck Mfg. Co., 210-14 N 3d
Hoffman-Marquard Machine Co., 1523 N. B'way
Johnson Wm. C. & Sons, 513 N 2d
Manning, Maxwell & Moore, R'way Exchange
Nelson N. O. Mfg. Co., 10th & Chestnut
Rubelmann-Lucas Hardware Co., 1939 N B'way
Rumsey L. M. Co., 4372 Westminster
St. Louis Machinists Supply Co., 920 N B'way
Shapleigh Hardware Co., 4th & Washington av
Simmons Hardware Co., 9th & Spruce
Skinner Bros. Mfg. Co., 10th & Tyler
Sligo Iron Store Co., 6th & O'Fallon

### NEBRASKA.

)MAHA—McGraw Co. (Jobbers)
Morton Jas. & Son Co.
Paxton & Gallagher Co.

### NEW JERSEY.

NEWARK — Atha Tool Co. (Mechanics), ft of Chapel
Ludlow & Squier, 97 Market
Macknet & Doremus, 796 Broad
ROE & CONOVER, 206 Frelinghuysen av. *See adv index at end of book*
PASSAIC—New Jersey Engineering & Supply Co.
PATERSON—Mills H. W. & Co.
Myers Geo. A. & Co.
Quinn Bros.

### NEW YORK.

BUFFALO—Beals, McCarthy & Rogers, 44 Terrace
Buffalo Wholesale Hardware Co., 317 Wshington
Fairbanks Co., 108 Pearl
Frasse Peter A. & Co., 50 Exchange, *See adv index at end of book*
Manning, Maxwell & Moore, White bldg
Root, Neal & Co., 178 Main
Ruckel J. H. & Son, 81 Main
Walbridge & Co., 392 Main
Weed & Co., 95 Swan
JAMESTOWN—Clark Hardware Co.

#### Borough of Brooklyn.

BROOKLYN—Purvis & Shelton, 241 Plymouth
Wilfert Jno. Co., 490 Bushwick av

#### Boroughs of Manhattan and Bronx.

NEW YORK—Beggs James & Co., 30 Warren *See adv index at end of book*
Backer Machine Tool Supply Co., 39 Cortland
Behringer Edw. A., 98 Park pl.
Brewster Wm. & Co., 30 Church
Chatwin Alfred Supply Co., 401 Broome
Dixon Wm. (Fine Tools & Supplies of All Kinds), 39 John
Donegan & Swift, 6 Murray
Du Bois F. N. & Co., 247 9th av
Fairbanks Co., 416 Broome
Flint & Chester, 237 Lafayette
Fox Bros. & Co., 126 Lafayette
Frasse Peter A. & Co. (Inc.), 417 Canal
Hammacher, Schlemmer & Co., 133 4th av
Hussey, McCann & Co., 87 Warren
Leonard & McCoy, 161 Wash'n
Manning, Maxwell & Moore, 119 W 40th
Montgomery & Co., 105 Fulton
Patterson, Gottfried & Hunter, 149 Lafayette
Prentiss Henry & Company, Inc., 149 Broadway
Rogers H. A. Co., 87 Walker *See adv index at end of book*
Strong Machinery & Supply Co., 21 Walker *See adv index at end of book*
Westerburg C. H. & Co., Inc., 9 West Broadway

**(End of New York City)**

ROCHESTER—Haverstick & Co.
SYRACUSE—Syracuse Supply Co.
Wood C. H. Company
UTICA—Dent M. F. Co., 7 Blandina

### NORTH CAROLINA.

CHARLOTTE—Charlotte Supply Co.
Textile Mill Supply Co.

### OHIO.

CINCINNATI—Boebinger Hardware Co., 315 E Pearl
Kinsey E. A. Co. (Drills, Lathes, Shapers, etc), 331 W 4th
Morris Machine Tool Co., Court & Harriet
Motch & Merryweather Machy. Co., First Nat'l Bank bldg
Pickering Hardware Co., 5th C. Main
Queen City Supply Co., Pearl & Elm
CLEVELAND—Bingham W. Co., 1278 W 9th
Cleveland Tool & Supply Co., 1427 W 6th
Fairmont Tool & Forging Co. ("Fairmount"), 10611 Quincy av
Luetkemeyer Co., 725 Superior av, N W
Manning, Maxwell & Moore, 518 Leader-News
Motch & Merryweather Machinery Co., 711 Lakeside av, N W
Pattison W. M. Supply Co., 777 Rockwell av
Strong, Carlisle & Hammond Co., 336-344 Frankford av, N. W.
White Tool & Supply Co., 1313 W 6th
DAYTON—Larkin M. D. Supply Co.
Patterson Tool & Supply Co.
Weinman C. J. Co., 310 E 2d
HAMILTON—Hamilton Supply Co. (Fine Tools)
PORTSMOUTH—Hibbs Hardware Co.
SAINT MARYS—Jasperson Supply Co.
SPRINGFIELD—Springfield Hardware Co.

### OREGON.

PORTLAND—Avery & Co., 48 3rd

### PENNSYLVANIA.

CHESTER—Galey Hardware Co.
ERIE—Erie Mfg. & Supply Co.
PHILADELPHIA—Billany & Cochrane, 527 Commerce
Bond Chas. Co., 617 Arch
Bullock, Chas. K., 1357 Ridge av
Fraser E. L., 141 N 3d
Girard Machine & Tool Co., 491 N 3d
Haddock Chas., 343 N 3d
Hankey A. & Co., Bourse
Lovegrove & Co. (Machines & Tools), 1524 Chestnut
Maddock & Co., 40 N 6th
Manning, Maxwell & Moore, Lincoln bldg
Murta, Appleton & Co., 12th & Sansom
Powell, Clouds & Co., 602 Arch
Rainear C. J., & Co., 518 Arch
Sachs Wm. A., Germantown av & Girard
Sees & Faber Co., 2008 N Front
Seyfert's L. F. Sons, Inc., 437 N 3d
Shannon J. Jacob & Co., 1744 Market
Standard Supply & Equipment Co., N W cor Cherry & 15th
Toomey Frank, 127 N 3d
Walter's Wm. P. Sons, 1233 Market
PITTSBURGH—COLONIAL SUPPLY CO., 217 Water
*See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson
*See adv index at end of book*
Logan-Gregg Hardware Co., 121 9th
Machinists Supply Co., 324 3d av
Manning, Maxwell & Moore, Park bldg
Somers, Fitlar & Todd Co., 325 Water
Thompson Machinery Co., Union Arcade
Turnar Chas. A. (Fine Tools, etc), 3d av & Chancery
READING—Bright & Co. (Tools, etc.)
SCRANTON—Bittenbender Co.
Scranton Supply & Machy. Co.
WILKES-BARRE—Eastern Penna. Supply Co.
Lewis & Bennett Hardware Co.

### RHODE ISLAND.

PROVIDENCE—American Supply Co., 135 Washington
B. & H. Supply Co., 115 Mathewson

### SOUTH CAROLINA.

CHARLESTON—Bailey-Lebby Co.
GREENVILLE—Carolina Supply Co.

### TENNESSEE.

CHATTANOOGA—James Supply Co.
Magill Hardware Co.
KNOXVILLE—McClung C. M. & Co.
Tennessee Mill & Mine Supply Co.
MEMPHIS—Pidgeon-Thomas Iron Co.
NASHVILLE—Dale John P. Machy. Co.
Gray & Dudley Hardware Co.
Hermitage Hardware Co.
Keith, Simmons & Co.

### VIRGINIA.

NORFOLK—Atlantic Supply Co., Inc.
Empire Mach. & Supply Corp.
Southern Supply Co.
Taylor-Parker Co.
Walke Henry Co.
RICHMOND—Baldwin & Brown, 1557 E Main
Frischkorn Hunter B., 801 E Cary
Lindsay J. L. (Inc.), 1321 E Main
McGraw Jas. (Inc.), 1442 E Main
Smith-Courtney Co.
Southern Railway Supply Co., 1323 E Main

### WEST VIRGINIA.

CHARLESTON—Capitol City Supply Co.

### WISCONSIN.

MILWAUKEE—Western Iron Stores Co., 145 W Water

## 9505— Mackintoshes

Anderson Raincoat Co., Trenton, N. J.
Chicago Rubber Clothing Co., Racine, Wis.
Franklin Rubber Co., 134 Federal, Boston, Mass.
Goodrich B. F. Co. (Rubber), Akron, O.
Hodgman Rubber Co., 8 W 40th, New York
National India Rubber Co., Bristol, R. I.
Pines Rubber Co., 148 39th, Brooklyn, N. Y.
Stoughton Rubber Co. ("Cravenette" Rain Coats), 130 Essex, Boston, Mass.

## 9505a— Magazines (Portable)

Atlas Powder Co., 140 N Broad, Phila., Pa. *See adv index at end of book*
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*

## 9505b— Magazines (Stationery)

Atlas Powder Co., 140 N. Broad, Phila., Pa.
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*

## 9506—Magazines (Storage, Side-Walk & Portable)

HERCULES POWDER CO., Wilmington, Del. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, O.

## 9507— Magnalium

Crayen G. A. & Co. (Imported), 81 New, New York

## 9508— Magnesite

American Refractories Co., Union Arcade, Pittsburgh, Pa.
American Refractories Co. (Calcined, Dead Burned & Grain), Union Arcade bldg,
Campbell P. L. Co., 401 E 36th, New York
Federal Refractories Co. (Calcinated), Cleveland, O.
General Magnesite & Magnesia Co. (Calcined & Carbonated), 29th & Montgomery av, Phila., Pa.
Hammill & Gillespie (Crude, Imp.), 240 Front, New York
Harbison-Walker Refractories Co. (Crude, Calcined, Dead Burned), Farmers' Bank bldg, Pittsburgh, Pa.
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.

MAGNESITE—continued.

**INNIS, SPEIDEN & CO., Inc.,** (Calcined, Imported), 46 Cliff, New York
*See adv index at end of book*
Katzenbach & Bullock Co., 100 William, New York
Levensaler-Speir Corp., Monadnock bldg, San Francisco, Cal.
National Sales & Trading Co., Cleveland, Ohio
Porterville Magnesite Co., San Francisco, Cal.
Rex Plaster Co., Los Angeles, Cal.
Sonoma Magnesite Co., Humboldt Bank bldg, San Francisco, Cal.
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Western Development Co., Pacific bldg, San Francisco, Cal.
Whittaker, Clark & Daniels, Inc. (Imp.), 250 Front, New York

## 9508a—Magnesium (Calcined)

Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw Fuller & Goodwin, Elec. bldg, Cleveland, O.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Smith Alfred Ltd., 98 Park pl, New York

## 9508b—Magnesium Carbonate

**AMERICAN INSULATION CO.,** Roberts av & Stokely, Phila., Pa.
*See adv index at end of book*
Dow Chemical Co., Midland, Mich.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.
Katzenbach & Bullock Co. (Imp.), 440 Washington, New York
*See adv index at end of book*
Keasbey & Mattison Co., Ambler, Pa.
McKesson & Robbins (Imp.), 91 Fulton, New York
Scheel Wm. H. (Imported), 159 Maiden la, New York
*See adv index at end of book*
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*

## 9509— Magnesium Chloride

Dow Chemical Co., Midland, Mich.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Graselli Chemical Co., Cleveland, O.
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.
Katzenbach & Bullock Co., 100 William, New York
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Utah Salduro Co., Salt Lake City, Utah

## 9509a—Magnesium Fluosilicate

Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.

## 9509b— Magnesium (Metallic)

Norton Laboratories, Inc., Lockport, N. Y.

## 9509c— Magnetium (Oxide)

Carey Philip Co., 330 Wayne av., Lockland, Cincinnati, O.
Cooper Chas. & Co., 194 Worth, New York
Foote Mineral Co., 107 N 19th, Phila, Pa.
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Katzenbach and Bullock Co., 100 William, New York
Keasbey and Mattson Co., Ambler, Pa.
Schapper Chemical Co., 192 N Clark, Chicago, Ill.
Stresen Reuter and Hancock, Inc., 122 So. Michigan av., Chicago, Ill.
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 9509d—*Magnesium (Salicylate)

Heyden Chemical Works, 135 William, New York

## 9509e— Magnesium Sulphate

Dow Chemical Co., Midland, Mich.
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.

## 9509f—Magnetic Testing Apparatus

Holz & Co., Inc. ("Magnet Meters"), 18 Madison av, New York
*See adv index at end of book*

## 9509g—Magnetizers (Instrument)

Simplex Magneto Co., Inc., 1790 B'way, New York

## 9510— Magneto Parts

Climax Motor Devices (Magnet & Generator Couplings, 5209 Prospect av, Cleveland, O.
H. & L. Mfg. Co. (Platinum & Tungsten), 300 B'way, New York
Magneto Parts Co. (Attachments), 1790 B'way, New York
National Acme Co., 1500 Stanton av, S E, Cleveland, O.
Otter Mfg. Co., Inc., 243 W 17th, New York
Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.

## Magnetos (Ignition)

**See Igniters, Gas & Gasoline Engine**

## 9511— Magnetos (Telephone)

Chicago Telephone Supply Co., Elkhart, Ind.
Ericson Mfg. Co. ("Berling"), Buffalo, N. Y.

## 9512— Magnetos (Testing)

Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Utica Fire Alarm Telegraph Co., Utica, N. Y.

## 9512a— *Magnets (Conveyor)

**DINGS MAGNETIC SEPARATOR CO.,** 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

## 9513— Magnets (Electro)

Acme Wire Co. ("Varley Duplex"), New Haven, Conn.
American Electrical Works, Phillipsdale, R. I.
Ansonia Electrical Co., Ansonia, Conn.
**Atlanta Utility Works (Oil Mill & Fertilizer), East Point, Ga.**
Atlas Laboratory Equipment Bureau (Horse Shoe), 731 N Wells, Chicago, Ill. *See adv index at end of book*
**Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill.**
*See adv index at end of book*
**Bunnell J. H. & Co., 32 Park pl, New York**
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
***See adv index at end of book***
Dings Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO. (Lifting), Cleveland, O.**
***See adv index at end of book***
Glaenzer & Co. (Imp.), 55 W 34th, New York
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
Magnetic Mfg. Co., 864 Windlake av., Milwaukee, Wis.
*See adv index at end of book*
Queen-Gray Co. 618 Chestnut, Phila., Pa.
Reisner W. H. Mfg. Co., Hagerstown, Md.
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
Thordarson Electric Mfg. Co., 501 S Jefferson, Chicago, Ill.

## 9513a—*Magnets (High Intensity)

Dings Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

## 9514— Magnets (Lifting)

**CUTLER-HAMMER MFG. CO.,** 12th & St Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*
Industrial Works, Bay City, Mich.
K. & B. Co. (Hand), 497 N 3rd, Phila, Pa.
King Elec. & Mfg. Co., Cleveland, O.
Magnetic Mfg. Co., 864 Windlake av, Milwaukee, Wis.
*See adv index at end of book*
Ohio Electric & Controller Co. ("Ohio"), 5900 Maurice av, Cleveland, O.
*See adv index at end of book*

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5900 MAURICE AVE. CLEVELAND, OHIO.

## 9515— Magnets (Permanent)

H. Boker & Co., Inc. (Imported), 101 Duane, New York
**Esterline Co., Indianapolis, Ind.**
Holz & Co., Inc., 18 Madison av, New York
*See adv index at end of book*

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Indiana Steel Products Co., 127 N Peoria, Chicago, Ill.
Lindenberg Steel Co., 90 West, New York
**STROMBERG-CARLSON TELEPHONE MFG. CO.,** Rochester, N. Y.
*See adv index at end of book*
Utica Fire Alarm Telegraph Co., Utica, N. Y.

## 9516— *Magnets (Safety)

**DINGS MAGNETIC SEPARATOR CO.,** 672 Smith, Milwaukee, Wis.
*See adv index at end of book*
**Magnetic Mfg. Co., 864 Windlake av, Milwaukee, Wis.**
*See adv index at end of book*

## 9517— Magnets (Solenoid)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Doyle-Dacosta Mfg. Co., Easton, Pa.

## 9517a—*Magnets (Standard & Special)

Dings Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

## 9518— Magnifiers

Bausch & Lomb Optical Co., Rochester, N. Y.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.

## 9519—Mail Catchers (Railway)

Columbian Mail Crane Co. ("Columbian" Steel), Columbus, O.
Taylor & Boggis Foundry Co., Cleveland, Ohio

## 9520-1—Mail Chutes for Buildings

American Mailing Device Corp. (U. S. Mail Chutes), 103 Park av, New York
**CUTLER MAIL CHUTE CO.,** Rochester, N. Y. New York Shop, 161 Washington

## Mailing Machines

**See Addressing & Mailing Machines**

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We build magnetic separators for every kind of service to which such machines are adapted. It is our exclusive business.

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### 9522— Malachite Green

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Commonwealth Chemical Corp., 15 Park Row, New York
Cosmic Aniline Works, Inc., 8 W B'way, N. Y.
Dicks David Co., Inc., Varick & No Moore, New York
National Gum & Mica Co., 59th & 11th av., N. Y.
Stubner Chemical Works, Inc., Elizabeth, N. J.
Wetterwald & Pfister Co., 276 Spring, New York. *See adv index at end of book*
Williamsburg Chemical Co., 230 Morgan av, B'klyn, N. Y.

### 9523— Mallets (Calking)

Drew C. & Co., Kingston, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Union Hardware Co., Torrington, Conn.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

### 9524— Mallets (Carpenters, Printers, Tinners, Yard)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Newton Falls Mfg. Co. (Carpenters') Newton Falls, O.

### 9524a—*Mallets (For Machinists & Metal Workers)

O'Neil J. H. Jr., Pawtucket, R. I.

### 9525— Mallets (Lignumvitae)

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
O'Neill J. H. Jr., Pawtucket, R. I.
Seib Bros. Co., 96-100 Boyd av, Jersey City, N. J.
Stossel Carl Sons & Co., Front Royal, Va.
Strock L. W. & Co. (& Hickory), Bethlehem, Pa.

### 9526— Mallets (Rawhide)

Brockton Mallet Co. ("Goddard's"), Brockton, Mass.
Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
Holbrook Raw Hide Co., 748 N Main, Providence, R. I.
United Awl & Needle Co. (Rawhide Faces), West Medway, Mass.

### 9527— Mallets (Rubber)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Continental Rubber Works, Erie, Pa.
Davol Rubber Co., 69 Point, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Manhattan Rubber Mfg. Co., Passaic, N. J.
National India Rubber Co., Bristol, R. I.
Newton Falls Mfg. Co., Newton Falls, O.
New York Belting & Packing Co., 91 Chambers, New York
Quaker City Rubber Co., 629 Market, Phila., Pa.
Revere Rubber Co., Chelsea, Mass.
Schacht Rubber Mfg. Co., Huntington, Ind.
U. S. Rubber Co., 1790 Broadway, N. Y.

### 9528— Mallets (Wooden)

American Woodworking Co., 19 Warren, New York
Bernz Otto, 17-37 Ashland W, Newark, N. J.
Bogert & Hopper Inc. (For Carpenters, Printers, Tinners, etc.), 57 Barclay, New York. *See adv index at end of book*
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Delphos Mfg. Co. (Tinners', etc), 1st & Pierce, Delphos, O.
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Hellenberg J. B. Co. (For Stone Cutters, Carpenters, Tinners, etc), Coldwater, Mich.
Kohaut John C., 117 Green, Newark, N. J.
Newton Falls Mfg. Co., Newton Falls, O.
New York Mallet & Handle Works, 743 E 11th, New York
O'Neil J. H. Jr. (Hickory), Pawtucket.
Osborne C. S. & Co. (Dogwood & Lignumvite), Box 183 Newark, N. J. *See adv index at end of book*
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Prouty C. & Co. (All Kinds), Eldred, Pa.
Redlich Mfg. Co. (also Rubber Forced), 637 W Oak, Chicago, Ill. *See adv index at end of book*
Richardi & Bechtold, Bellaire, Mich.
Sommer John Faucet Co., 30 Morris av, Newark, N. J.
Stanley Rule & Level Co., New Britain, Conn.
Stevenson Mfg. Co. (Miniature), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stossel Carl Sons & Co., Front Royal, Va.
Strock L. W. & Co., Bethlehem, Pa.
Union Hardware Co., Torrington, Conn.

### 9529—Malt & Ice House Builders

Galland-Henning Mfg. Co., 97 Wisconsin, Milwaukee, Wis.
Phoenix Iron Co., 22 S 15th, Phila., Pa.
Saladin Pneumatic Malting Construction Co., 643 Wellington av, Chicago, Ill.

### 9530— Mandrels

See also Arbors

Adams Co. (Stove Pipe), Dubuque, Ia.
Alert Tool Co. (Roller), 237 N 6th, Phila, Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Cruben Machine & Steel Corp., 63 Duane, N. Y.
Detroit Twist Drill Co., 555 Fort, Detroit, Mich. *See adv index at end of book*
Disston Henry & Sons, Tacony, Phila., Pa.
Freeman Mfg. Co. (Mandrel Sets), Racine, Wis.
Gisholt Machine Co., Madison, Wis.
Jersey City Machine Co. (Shell Tools), 113 Plymouth, Jersey City, N. J.
Morse Twist Drill & Machine Co. ("Morse") (with Expanding Sleeve), New Bedford, Mass.
New Haven Sherardizing Co. (Zinc Alloyed Sherardized), New Haven, Conn.
Noges B. B. Co. ("Little Giant"), Greenfield, Mass.
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt & Whitney Co., Hartford, Conn.
Quin Roy D. (Tube Splicing), Willoughby, Ohio
Rogers Jno. M. Works, Gloucester City, N. J.
Smith H. B. Machine Co., Smithville, N. J.
Up-To-Date Tool Co., 81 Wareham, Boston, 18, Mass. *See adv index at end of book*
WHITMAN & BARNES MFG. CO., Akron, O. *See adv index at end of book*

### Mandrels (Blacksmiths')

See Mandrels or Cones, Blacksmiths

### 9531— Mandrels (Expanding)

See also Arbors

Hannifin Mfg. Co. ("Hannifin" to Order Only), 621 S Kolmar av, Chicago, Ill.
Herbert Alfred Ltd., 54 Dey, New York *See adv index at end of book*
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Le Count Wm. G., South Norwalk, Conn.
McCrosky Reamer Co. ("McCrosky"), Meadville, Pa.
Manufacturers Equipment Co., Waller av & Fillmore, Chicago, Ill.
NICHOLSON W. H. & CO. (Lathe), Wilkes-Barre, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Western Tool & Mfg. Co. ("Champion"), Springfield, O.

### 9532— Mandrels (Hardened & Ground)

Standard Tool Co., 6700 Central av, Cleveland, O.
Up-To-Date Tool Co., 81 Wareham, Boston, 18, Mass. *See adv index at end of book*

### 9533— Mandrels (Hub)

Defiance Machine Works, Defiance, O.

### 9534— Mandrels or Cones (Blacksmiths')

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Illinois Iron & Bolt Co., Carpentersville, Ill.
Southern Skein & Foundry Co., Chattanooga, Tenn.
Swett A. L. Iron Works, Medina, N. Y.

## 9535— Mandrels (Saw)

American Woodworking Machy. Co., Rochester, N. Y.
Atkins E. C. & Co., Indianapolis, Ind.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Disston Hy. & Sons, Tacony, Phila., Pa.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fay J. A. & Egan Co., Cincinnati, O.
Hoe R. & Co., 506 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Ireland Machine & Foundry Co., Norwich, N. Y. *See adv index at end of book*
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Lippert E. T. Saw Co., Millvale, Pa.
Mobile Stove & Pulley Mfg Co., Mobile, Ala.
National Woodworking Machine Co., Dover, N. H.
Ober Mfg. Co., Chagrin Falls, O.
Reed Hardware & Mfg. Co., Cairo, Ill.
Smith H. B. Machine Co., Smithville, N. J.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Southern Saw Works (Circular Saw), East Point, Ga.
Union Iron Works, Bangor, Me.
Wheland Co., East Point, Chattanooga, Tenn.

## Mandrels (Taper)

See Mandrels

## 9536— Manganese

American Alloys Co., American bldg, Baltimore, Md.
Bauer Philip Co. (Imported), 25 W B'way, New York
Binswanger H. P., 7 W 16th, New York
**CHRYSTAL CHAS. B.** (Oxide, Borate, Resinate Recovered, Imp), 13 Cliff, New York. *See adv index at end of book*
Cooper Chas. & Co., 194 Worth, New York
Doggett Stanley, 11 Cliff, New York
Feuchtwanger L. & Co. (Salts), 74 Cortlandt, New York
Hardy Chas. Inc. (Broker), Park Row bldg, New York
Harshaw, Fuller & Goodwin Co. (Boats. Resinate pole and sulphate), Cleveland, Ohio
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Klipstein A. & Co. (Imp), 644 Greenwich, New York
Lamson John S. & Bro. (Imptrs. & Dirs.), 347 Madison av, New York
Levensaler-Speir Corp., Monadnock bldg, San Francisco, Cal.
McKesson & Robbins (Imp), 91 Fulton, New York
**METAL & THERMIT CORP.**, 120 B'way New York *See adv index at end of book*
Mitsui & Co. (Imp), 45 B'way, New York
National Paint & Manganese Co. (Miners & Grinder), Lynchburg, Va.
Pennsylvania Salt Mfg. Co. (Salt), Widener bldg, Phila., Pa.
Powers-Weightman Rosengarten Co. (Salts), 916 Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co. (Chloride, Oxide, Sulphate, etc.), 709 6th av, New York
**SAMUEL FRANK**, Harrison bldg, Phila, Pa. *See adv index at end of book*
Scheel Wm. H. (Imported), 159 Maiden la, New York
*See adv index at end of book*
Seaboard Steel & Manganese Corp. (Pig), Temple, Pa.
Staley's Creek Manganese & Iron Co., Marion, Va.
Tennant C. Sons & Co. of N. Y. (Imp), 100 William, New York
Wiarda Jno. C. & Co. (Oxide Salts), 273 Greene, Brooklyn, N. Y.

## 9536a— Manganese Borate

Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.

## 9536b— *Manganese-Boron

Metal & Thermit Corp., 120 B'way, N. Y. *See adv index at end of book*

## 9537—Manganese Bronze (Parsons')

Cramp Wm. & Sons Ship & Engine Building Co., Beach & Ball, Phila., Pa.

## 9537a—Manganese Carbonate

Harshaw, Fuller & Goodwin, Elec bldg., Cleveland, O.

## 9537b— Manganese Chloride

Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.

## 9538— Manganese Dioxide

American Alloys Co., American bldg, Baltimore, Md.
Foote Mineral Co., 107 N 19th, Phila., Pa.
General Commercial Co., Ltd., of U. S. (Imp.), 295 B'way, New York
Hardy Chas., Inc. (broker), Park Row bldg, New York
Harshaw, Fuller & Goodwin, Elec bldg, Cleveland, O.

## 9538a—Manganese Linoleate

Harshaw, Fuller & Goodwin, Elec bldg, Cleveland, O.

## 9539— Manganese Metal

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Vanadium Corp. of Am., Equitable bldg, New York

## 9539a— *Manganese (Ores)

**FOOTE MINERAL CO.**, 107 N 19th, Phila., Pa.

## Manganese Oxide

(See Oxide of Manganese)

## 9539b—Manganese Peroxide

American Metal Co., 61 B'way, New York
Lavino E. J. & Co. (Imp), Bullitt bldg, Phila., Pa.
**SAMUEL FRANK**, Harrison bldg, Phila., Pa. *See adv index at end of book*

## 9539c—*Manganese (Recovered)

Schapper Chemical Co., 192 N Clark, Chicago, Ill.

## 9539d—Manganese Resinate

Harshaw, Fuller & Goodwin, Elec bldg, Cleveland, O.
National Oil Products Co., Harrison, N. J.
Scheel Wm. H., 159 Maiden Lane, New York *See adv index at end of book*

## 9540—Manganese Steel Repair Parts

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Taylor-Wharton Iron & Steel Co. ("Tisco"), High Bridge, N. J.

## 9541—Manganese Steel Track Work

See also Frogs, Switches & Crossings
**AMERICAN FROG & SWITCH CO.** Hamilton, O.
*See adv index at end of book*
Barbour Stockwell Co., Cambridge, Mass.
Bethlehem Steel Co. ("Manard"), South Bethlehem, Pa.
Cleveland Frog & Crossing Co. ("C. F. C. & Co."), 6917 Bessemer av, Cleveland, O.
Conley Frog & Switch Co., Memphis, Tenn.
Frog-Switch & Mfg. Co., Carlisle, Pa.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book.*
Indianapolis Switch & Frog Co., Springfield, Ohio
Ramapo Iron Works, Hillburn, N. Y.
St. Louis Frog & Switch Co., Chemical bldg, St. Louis, Mo.
**WHARTON WM. JR. & CO., Inc.** (For Electric, Steam & Industrial Railways), Easton, Pa.

## 9541a—Manganese Sulphate

Harshaw, Fuller & Goodwin, Elec bldg, Cleveland, O.
Hummel & Robinson, 26 Cortland, New York

## 9541b—*Manganese (Titanium)

Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*

## 9542— Mangers (Feed)

Londen Machinery Co., Fairfield, Iowa
Mullins Mfg. Co., Brillion, Wis.
Rockford Steel Fixture Co. ("Warren" All Steel Sanitary), Rockford, Ill.
West Bend Barn Equipment Co., West Bend, Wis.

## Mangles (Ironing)

See Laundry Machinery

## 9543— Manheads, Yokes, Etc. (Pressed Steel)

Central Iron & Steel Co., Harrisburg, Pa.
Glasgow Iron Co. ("Roe"), Pottstown, Pa.
Lukens Steel Co. ("Best Yet"), Coatesville, Pa.

## Manholes (Flanged)

See Boiler Flue Holes & Manholes, Flanged

## 9543a— Manholes (Ship)

Thacher Propeller & Foundry Corp., Albany, N. Y.

## 9544— Manicure Sets

Acme Manicure & Novelty Co. (In Roll Ups), 200 5th av, New York
Arlington Works, The (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Artistic Novelty Co., 312 7th av, New York
Bates, C. J. & Son, Chester, Conn.
Bens Wm. Co. (Sterling Silver), 7 Beverly, Providence, R. I.
Bergner Fred & Co., Paca & Cross, Baltimore, Md.
Boker Cutlery & Hdwe Co. Inc. ("Tree Brand," Imported), 101 Duane, New York
Celluloid Co. (Celluloid), 36 Washington pl, New York
Effbee Company, 306 S Franklin, Chicago, Ill.
Florin, Philip, 465 Broome, New York
Graef & Schmidt ("Twin Brand," Imported), 107 Chambers, New York
Havell Mfg. Co., 284 Washington, Newark, N. J.
Henkel Co., Fremont, Ohio
Jennings Silver Co., Irvington, N. J.
Klaas Max ("Crane Brand" Imported), 108 Fulton, New York
Koch F. A. & Co., 524 B'way, New York
Korn Geo. W. Razor Mfg. Co., Little Valley, N. Y.
Manicure Novelty Mfg. Co., 49 E 21st, New York
Pacific Novelty Co. (Ivory "Elpho"), 41 E 11th, New York
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
Requa Mfg. Co., 1193 Atlantic av, Brooklyn, N. Y.
Ross Jos. & Co., Irvington, N. J.
Saart Bros Co. (Sterling Silver Mounted), Attleboro, Mass.
**SCHIMPER WILLIAM & CO.** (& Fittings), 322-338 Ferry, Hoboken, N. J., & 33 Union Square West, New York
*See adv index at end of book*
Schnefel Bros., 684 So 17th St., Newark, N. J.
Sperry & Alexander Co., 79 Chamber, New York
Ulery U. J. Co. ("Clauss"), 258 Broadway New York
United Novelty Co. Lancaster, Pa.
U. S. Specialty Co. ("Allwon" Buffer Sets), Middletown, Conn.
Yale Novelty Co. (French Ivory), Leominster, Mass.

## 9544a— Manicure Sets (Cased)

Arlington Works, The (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.

## 9545— Manifolds

Ajax Auto & Aero Sheet Metal Co. (M. W. Meyer), 245 W. 55th, New York
A. Z. Co., 527 W 56th, New York
American Tube Bending Co. (Made from Brass, Copper & Steel Tubing), New Haven, Conn.

# EDWIN A. JACKSON & BRO. Inc.

**50 Beekman Street, New York,**

MANUFACTURERS OF

**Mantels, Grates, Franklin Stoves, Dampers, Andirons, Spark Screens and All Kinds of Fireplace Fixtures.**


Atlas Copper & Brass Mfg. Co. (Steel), 2734 High, Chicago, Ill.
*See adv index at end of book*
**Fiat Metal Mfg. Co. (Ignition), 223 W Huron, Chicago, Ill.**
Hershey Machine & Foundry Co., Manheim, Pa.
**Koven L. O. & Bro. (Exhaust), 154 Ogden av, Jersey City, N. J.**
*See adv index at end of book*
**Standard Metalwork Co. (For Airplane & Automobile Engines), Thompsonville, Conn.**

## 9546— Manometers

**Simplex Valve & Meter Co., 110 N Broad, Phila., Pa.**

## 9547—*Mantel, Grate & Tile Dealers

**JACKSON EDWIN A. & BRO., (Inc.)** (The "Jackson" Ventilating Grate, Mantels, Tiles, Fireplaces, etc.), 50 Beekman, New York
*See adv index at end of book*

## 9548— Mantels (Brick)

**Fallston Fire Clay Co., Oliver bldg, Pittsburgh, Pa.**
**Fiske & Company (Tapestry), 25 Arch, Boston, Mass.**
**Hydraulic-Press Brick Co., ("Hy-tex"),** National Bank bldg. St. Louis, Mo.
**Los Angeles Pressed Brick Co. (Or Tile), Los Angeles, Cal.**
**Phila. & Boston Face Brick Co., 155 Milk, Boston, Mass.**
**Shape Brick Co., 3952 14th av, Seattle, Wash.**
**Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.**
**Wilson W. A. & Sons, Wheeling, W. Va.**

## Mantels (Faience)

See Architectural Faience

## Mantels (Marble)

See Marble Interior Work

## 9549—Mantels (Marbleized Iron)

Bridgeford Co., Louisvelle, Ky.
**Kentucky Stove Co., Louisville, Ky.**

## 9550—Mantels (Marbleized Slate)

**Criterion Slate Co., Hydeville, Vt.**
**Excelsior Slate Co., Pen Argyle, Pa.**
**Hinchey Patrick F. & Co., Hydeville, Vt.**
**O'Day Bros., Hydeville, Vt.**

## 9551— Mantels (Mosaic)

**Giannini & Hilgart, 222 W Madison, Chicago, Ill.**
**Hawes & Dodd, 59 E Adams, Chicago, Ill.**
**Italian Marble Mosaic Co., 431 Spruce, Phila., Pa.**
**Sharpless & Watts Co., 1520 Sansom, Phila., Pa.**
**Tiffany Studios, 361 Madison av, New York**
**Von Gerichten Art Glass Co., 557 So High, Columbus, O.**
**Wilson W. A. & Sons, Wheeling, W. Va.**

## Mantels (Onyx)

See Onyx Workers

## 9552— Mantels (Slate)

**See also Slate Mill Stock; also Mantels, Marbleized Slate**

**American Slate Co., Easton, Pa.**
**Auld & Conger Co., 942 Prospect, Cleveland, O.**
**Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.**
**Hahn Granville, Walnut Port, Pa.**
**Hinchey Patrick F. & Co., Hydeville, Vt.**
**Jackson Wm. H. Company, 2 W 47th, New York**
**Monson Maine Slate Co., 112 Water, Boston, Mass.**
**Penrhyn Slate Co., Hydeville, Vt.**

## Mantels (Terra Cotta)

See Terra Cotta, Architectural

## 9553— Mantels (Wood)

**American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.**
**Arnold & North, 124 E 41st, New York**
**Atkin C. B. Co. (Whol.), Knoxville, Tenn.**
**Bering Mfg. Co. (Whol. Mfrs.), Houston, Tex.**
**Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.**
**Brockway-Smith Corp. (Whol.), 98 Canal, Boston, Mass.**
**Capitol Lumber Co., Indianapolis, Ind.**
**Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.**
**Carter Geo. H. Co., 43 Beverly, Boston, Mass.**
**Chicago Millwork Supply Co. (whol mfrs), 1404 W 37th, Chicago, Ill.**
**Columbia Mantel Co. (Whol.), Louisville, Ky.**
**Cumberland Sash & Door Co. (Whol. Mfrs.), Cumberland, Md.**
**Curtis Bros. & Co. (Whol. Mfrs.). Clinton, Ia**
**Curtis, Towle & Paine Co. (Whol.), Lincoln, Neb.**
**Curtis & Yale Co., Wausau, Wis.**
**Dame Mantel Co. (Whol.), Harriman, Tenn.**
**Dawson Bros. (Wholesale Mfrs.), 523 N Halstead, Chicago, Ill.**
**Dixon Lumber & Millwork Co., Weldon, N. C.**
**East Tennessee Woodworking Co., Morristown, Tenn.**
**Enterprise Planing Mill Co., Hillsboro, O.**
**Farley & Loetscher Mfg. Co., Dubuque, Ia.**
**Forest City Furn. Co. (Whol.), Rockford, Ill.**
**Gauger Jno. A. & Co. (Wholesale Mfrs.), 1434 W 22d, Chicago, Ill.**
**Gordon Vantine Co., Davenport, Ia.**
**Grand Rapids Clock & Mantel Co., Grand Rapids, Mich.**
**Hegan-Magruder Co., Louisville, Ky.**
**Hornet Mantel Co., 1112 Market, St. Louis, Mo.**
**Hyde-Murphy Co., Ridgeway, Pa.**
**Ironton Wood Mantel Co., Ironton, O.**
**Irving & Casson, 573 Boylston, Boston, Mass.**
**JACKSON EDWIN A. & BRO. (INC.),** 50 Beekman, New York
*See adv index at end of book*
**Jackson Wm. H. Company, 2 W 47th, New York**
**Jamestown Mantel Co., Falconer, N. Y.**
**Kertscher & Co., Elmira, N. Y.**
**Knoxville Furn. Co. (Whol.), Knoxville, Tenn.**
**Loetscher & Burch Mfg. Co., Des Moines, Ia.**
**Lorenzen Chas. F. & Co., 105 N Clark, Chicago, Ill.**
**Matthews Bros. Mfg. Co., 61 4th, Milwaukee, Wis.**
**Messer Joh. J. Co., 457 Central av, Newark, N. J.**
**Moline Furniture Works, Moline, Ill.**
**Morgan Co. (Wholesale Mfrs.), Oshkosh, Wis.**
**Munson & Johnson, Jamestown, N. Y.**
**Nalle & Co. (Whol. Mfrs.), Austin, Tex.**
**National Mantel Co., McKeesport, Pa.**
**National Sash & Door Co., N Dupre & Toulouse, New Orleans, La.**
**Newark Mantel Co., 59 Poinier, Newark, N. J.**
**Ornamental Woodworking Co., Springfield, Mass.**
**Ostendorf W. G., 2923 N Broad, Phila., Pa.**
**Paine Furniture Co., 81 Arlington, Boston, Mass.**
**Paine Lumber Co. (Ltd.), (Whol. Mfrs.), Oshkosh, Wis.**
**Peirce W. E. & Co., Milford, N. H.**
**Pottier & Stymus Co., 375 Lex. av, New York**
**Quincy Show Case Works, Quincy, Ill.**
**Richmond Wood Working Co., Richmond, Va.**
**Riggs Cypress Co. (Ltd.), (Wholesale Mfrs.), Patterson, La.**
**Smith, T. G. & Sons, Topeka, Kansas.**
**STEARNS A. T. LUMBER CO., 100 Taylor, Neponset, Boston, Mass.**
*See adv index at end of book*
**Steul & Thuman Co., 278 Johnson, Buffalo, N. Y.**
**Stuhlmiller Mantel Works (Wholesale Mfrs.), Buffalo, N. Y.**
**Taylor Wm. M. Mantel & Grate Co., 331 S High, Columbus, O.**
**Thauwald C. F. & Co., 1224 Harrison av, Cincinnati, O.**

## 9554— Mantles (Arc)

**General Gas Light Co. ("Humphrey"),** Kalamazoo, Mich.

## 9555-6—Mantles (Incandescent Gas)

See also Burners, Incandescent Gas

**Alter Light Co., 430 S Green, Chicago, Ill.**
**American Gas Machine Co., Inc., ("America"),** Alberta Lea, Minn.
**AMERICAN GAS MACHINE CO., INC., 78** Reade, New York
**Aurora Mantle & Lamp Co., Aurora, Ill**
**Best Light Co., 477 Second, N. E., Canton, O.**
**Block Gas Mantle Co., Youngstown, O.**
**Block Co., Youngstown, O.**
**Buffalo Gas Mantle Co., 296 Bryant, Buffalo, N. Y.**
**Columbus Incandescent Mantle Co., Columbus, O.**
**Deutsch Chas. (Plain and Fancy Webbings), 177½ E 87th, New York**
**Eclipse Light Co. ("Rector," "Eclipse" & "Junior"), 583 Broadway, New New York**
**Erie Gas Mantle Mfg. Co., Erie, Pa.**
**General Gas Mantle Co. ("Humphrey"),** Camden, N. J.
**Harris Wood Fibre Mantle Co. ("Harris"),** 1569 Columbus rd, N W, Cleveland, O.
**Hickory Gas Mantle Mfg. Co., N W cor University & Griggs, St. Paul, Minn.**
**Hyatt-Wise Mfg. Co., Columbus, O.**
**Iron Clad Gas Mantle Co., Canton, O.**
**Liberty Incandescent Light Co., 7 Chatham sq, New York**
**Lindsay Light Co., 161 E Grand av, Chicago, Ill.**
**Mantle Lamp Co. of America, 167-172 N Halsted, Chicago, Ill.**
**New Process Gas Mantle Co. 27 Bank, Phila., Pa.**
**Paragon Light Co., 141 Locust, Buffalo, N. Y.**
**Peerless Light Co. ("Flexo," "Peerless Indestructo"), 633 Washington, Chicago, Ill.**
**Phoenix Light Co., 525 Market, Milwaukee, Wis.**
**Smith F. A. Mfg. Co. ("Gasaver"), Rochester, N. Y.**
**Sunshine Mantle Co., Chanute, Kan.**
**Van Houten E. J. S., 96 Park pl, New York**

MANTLES (INCANDESCENT GAS)—continued

**Welsbach Co. ("Welsbach Reflex," "Welco," "Amber"), Gloucester City, N. J.**
**Wiederhold Mantle & Burner Co., 131 Winfield av, Jersey City, N. J.**

## 9557—Manufacturers' Distributors

**American Sales Co., Explosives, Godchaux bldg, New Orleans, La.**
**Breslauer A. (Industrial Chemicals), American National Bank Bldg, San Francisco, Cal.**
McLachlen John M., McLachlen bldg, Washington, D. C.
Small C. H., Monadnock bldg., Chicago, Ill.
Zimmerman R. M. & J. L., 407 Bessemer bldg, Pittsburgh, Pa.

## 9558—Maple Sugar & Syrup Makers' Supplies

Bell C. S. Co., Hillsboro, O.
Champion Evaporator Co., Hudson, O.
Grimm G. H., Rutland, Vt.
Hydraulic Press Mfg. Co., Mount Gilead, O.
Osborn J. M. & L. A. Co., Cleveland, O.

## 9559— Maps

Bradley Milton Co., Springfield, Mass.
Bridgman E. C., 61 Warren, New York
Bullard Co., 326 Bacon, Boston, Mass.
Clason Map Co. (Road Maps), Denver, Col.
Cram Geo F. Co., 107 N Market, Chicago, Ill.
Educational Exhibition Co., (& Graphic Charts), 26 Custom House, Providence, R. I.
Geographical Publishing Co., 621 Plymouth, Chicago, Ill.
Gugler Lithograph Co., Milwaukee, Wis.
Hammond C. S. & Co., 30 Church, New York
Hedenberg James W., 40 N Dearborn, Chicago, Ill.
Hyde E. Belcher, 97 Liberty, Brooklyn, N. Y.
Iliff John W. & Co. ("Iliffile"), 54 W. Lake, Chicago, Ill.
**Indianapolis Blue Print & Supply Co. (Printers), Century bldg, Indianapolis, Ind.**
Kenyon Printing & Engraving Co., Des Moines, Ia.
**Lithograph & Mfg. Co. of U. S., 82 Duane, New York**
Matthews, Northup Works, 177 Washington, Buffalo, N. Y.
Mendenhall C. S., Cincinnati, O.
National Map Co., Indianapolis, Ind.
Noll E. P. & Co., 21 N 7th, Phila., Pa.
Ogle Geo. A. & Co., 538 S Clark, Chicago, Ill.
Ohman Map Co., 258 B'way, New York
Rand-Avery Supply Co., 117 Franklin, Boston, Mass.
**Rand McNally & Co., 538 S Clark, Chicago, Ill.**
Sanborn Map Co., 11 B'way, New York
Scarborough Motor Guide Co., Indianapolis, Ind.
Smith John L. 27 N 6th, Phila., Pa.
Spaulding J. R. & Co., Boston, Mass.
Universal Co., 37 Barclay, New York
Walker Lithograph Publishing Co., 400 Newberry, Boston, Mass.
Williams Map & Guide Co., 325 Lafayette, New York
Woodward-Tierman Printing Co., 309 N 3d, St. Louis, Mo.

## 9560— Marble Altars

Batterson & Eisele, Main Office & Works, Edgewater, N. J.
Christa Marble Co., 1625 St. Aubin, Detroit, Mich.
Church Art Work Co., Mt. Vernon, N. Y.
**Daprato Statuary Co., Scagliola & Rigalico Composition, 766 W Adams, Chicago, Ill.** *See adv index at end of book*
Francini C., Lexington av & 35th, New York
Halgartner Marble Co., 223 N. Charles, Baltimore, Md.
**Marthens Chester N. Marble Co., W 53rd & Wallace, Chicago, Ill.**
**Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.**
**Sibbel Jos., 214 E 26th, New York**
**Standard Marble Works, 706 Front, Cincinnati, O.**
Theis' Peter Sons, 636 1st av, New York
Tiffany Studios, 361 Madison av, New York
**Weiblen A. Marble & Granite Co., City Park av & St. Louis, New Orleans, La.**

## 9561— Marble (Artificial)

Art Marble Co., 2608 Flournoy, Chicago, Ill.
California Scagliola Co., San Francisco, Cal.
Cassini Mosaic & Tile Co., 1027 B'way, Cincinnati, O.
Coast Art Marble Co., 68 Clara, San Francisco, Cal.
Cousins H. A. Co., 524 W 25th, New York
Henry Marble Co., 3208 Shields av, Chicago, Ill.
Klee-Thomson Co., 327 E 40th, New York
Scagliola Mfg. Co., 255 Lexington av, New York
Stone Products Co., Muskegon, Mich.

## 9562— Marble (Basseville)

Jackson C. D. & Co., (Imp), 140th & Locust av, New York
Maute J. & Sons, 23 Kane, Buffalo, N. Y.

## 9563— Marble (Carrara)

Jackson C. D. & Co., (Imp), 140th & Locust, New York
Schlichter P. M. & W., 636 1st av, New York
Tompkins Kiel Marble Co., 505 5th av, New York

## 9564—Marble (Colored, Foreign)

Jackson C. D. & Co., (Imp), 140th & Locust, New York
Tompkins Kiel Marble Co., 505 5th av, New York

## Marble Columns (Artifical)

See Marble, Artificial

## 9565—Marble Columns (Monolithic)

Schlichter P. M. & W., 636 1st av, New York

## 9566—Marble, Crushed (Graded)

Conlin & Co., Tuckahoe, N. Y.
Kapailo Mfg. Co., Inc., 103 Park av, New York
**Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.**

## 9567— Marble Dust Mfrs.

Conlin & Co., Tuckahoe, N. Y.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Hammill & Gillespie (Jobbers), 240 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Higginson Mfg. Co., Newburg, N. Y.
Hoosac Marble Co., North Adams, Mass.
Jackson C. D. & Co., 140th & Locust av, New York
Kapailo Mfg. Co., Inc., 103 Park av, New York
**King J. B. & Co., 17 State, New York**
**McIlvaine Bros. (For Builders' Use, Soap Makers & Granulated for Filtering, etc), 1500 Hamilton, Phila., Pa.**
Nelson N. O. Marble Co., Edwardsville, Ill.
Ohio Marble Co., Piqua, O.
Peoria Stone & Marble Works, Peoria, Ill.
Rutland Fire Clay Co. ("Rutland," Pulverized), Rutland, Vt.
Tompkins Kiel Marble Co., 505 5th av, New York
White Marble & Terrazzo Co., Lee, Mass.
Whittaker, Clark & Daniels, Inc. (Jobbers), 250 Front, New York

## Marble Electric Work

See Marble Interior Work

## 9568— Marble Exterior Work

Batterson & Eisele, Main Office & Works: Edgewater, N. J.
Beaver Dam Marble Co., Gunther bldg, Baltimore, Md.
Blue Ridge Marble Co. (Georgia Marble), Nelson, Ga.
**Bradbury Marble Co., 4165 Duncan, St. Louis, Mo.**
Bradley Wm. & Son, Vernon av, Long Island City, N. Y.
Buckeye Marble Co., Hamilton, O.
Georgia Marble Co. ("Cherokee," "Creole," "Etowah," "Amicalola," "Spring White," "White Southern"), Tate, Ga.
Georgia Marble Finishing Works, Canton, Ga.
Gray Wm. & Sons Co., 30 bl Walnut, Philadelphia, Pa..
Norcross Bros. Co., 10 E Worcester, Worcester, Mass.
Rullman & Wilson, Lafayette E of Mt. Royal, Baltimore, Md.
Sisson Hugh & Sons, 21 N Liberty, Baltimore, Md.
Vermont Marble Co., Proctor, Vt.
Weiblen A. Marble & Granite Co., City Park av & St. Louis, New Orleans, La

## Marble Flour

See Marble Dust

## 9569— Marble for Terrazzo

Cardiff Green Marble Co. (Granito), Cardiff, Md.
Traitel Marble Co., Webster av & E. R. Long Island City, N. Y.
Whitestone Marble Co. (Whitestone Granito), Atlanta, Ga.
Willingham Stone Co. (White Granito), Healey bldg, Atlanta, Ga.

## 9570— Marble (Greek)

Jackson C. D. & Co. (Imp.), 140th & Locust av, New York

## 9571— Marble (Green)

Cardiff Green Marble Co., Cardiff, Md.
Jackson C. D. & Co., 140th & Locust av, New York
Schweyer Henry A., Co. ("Sylvan Green"), Easton, Pa.
Tompkins Kiel Marble Co., 505 5th av, New York
Westfield Marble & Sandstone Co., Westfield, Mass.

## 9572— Marble Importers

See also Marble, Wholesale

Batterson & Eisele, Main Office & Works, Edgewater, N. J.
Evans Marble Co., Ranstead Wharf, Baltimore, Md.
Fenn C. E. & Co., 38 S Dearborn, Chicago, Ill.
Francini C., Lexington av & 35th, New York
Hilgartner Marble Co., 223 N Charles, Baltimore, Md.
Jackson C. D. & Co., 140th & Locust av, New York
Musto Jos. Sons-Keenan Co., 535 North Point, San Francisco, Cal.
Pisani Bros., 815 Vernon av, Astoria, New York
Schlichter P. M. & W. (German & Italian), 636 1st av, New York
Standard Marble Wks, 706 Front, Cincinnati, O.
Taber & Co., 1 Hudson, New York
Tompkins Kiel Marble Co., 505 5th av, New York
Townsend, Townsend & Co., 453 W 21st, New York

## 9573—Marble Importers (Italian)

Batterson & Eisele, Main Office & Works, Edgewater, N. J.
Jackson C. D. & Co., 140th & Locust av, New York
Pisani Bros., 815 Vernon av, Astoria, L. I., New York
Schlichter P. M. & W., 636 1st av, New York
Tompkins Kiel Marble Co., 505 5th av, New York

## 9574—Marble Interior Work

See also Plumbers' Marble Work; also Marble Producers

American Mosaic & Tile Co., Louisville, Ky.
Andres Stone & Marble Co., Keefe av & Richards, Milwaukee, Wis.
Batterson & Eisele, Main Office & Works, Edgewater, N. J.
Blue Ridge Marble Co. (Georgia & Tenn. Marble Only), Nelson, Ga.
Bowker, Torrey Co., 180 Granite, Boston, Mass.

Bradbury Marble Co., 4165 Duncan, St. Louis, Mo.
Bradley Wm. & Son, Vernon av., Long Island City, N. Y.
Buckeye Marble Co., Hamilton, O.
Buess Wm., 312 E 95th, New York
Cascio S. (Counter Work, Plumbers' Work Marble Top Table, Tiling, etc.), 1259 Flushing av, Brooklyn, N. Y.
Central Mosaic & Tile Co., Memphis, Tenn.
Christa Marble Co., 1625 St. Aubin, Detroit, Mich.
Columbia Marble Co., 268 Market, San Francisco, Cal.
Columbia Marble Co., 17th & Missouri, San Francisco, Cal.
Cork & Zicha Marble Co., 813 Vernon av, Long Island City, N. Y.
Daprato Statuary Co., 766 W Adams, Chicago, Ill. *See adv index at end of book*
Drake Marble & Tile Co., 58 Plato av, St. Paul, Minn.
Eckhardt Monumental Co., Toledo, O.
Ellin, Kitson & Co., Madison av & 34th, New York
Eschmann B. & J., 412 E 37th, New York
Evans Marble Co., Ranstead Wharlf, Baltimore, Md.
Francini C., Lexington av & 35th, New York
Georgia Marble Co. ("Cherokee," "Creole," "Etowah," "Amicalola," "Spring White," "White Southern"), Tate, Ga.
Georgia Marble Finishing Works, Canton, Ga.
Grant Marble Co., 27th & Canal, Milwaukee, Wis.
Gray Chas M. Marble & Slate Co., 709 Vernon av, Long Island City, N. Y.
Gray Wm. & Sons Co., 30th bl Walnut, Philadelphia, Pa.
Hilgartner Marble Co., 233 N Charles, Baltimore, Md.
Huber Victor Marble & Granite Co., Scott & St. Louis, New Orleans, La.
Jacoby & Son Co., 2025 Market, Phila., Pa.
Kemlein & Leahy, Onyx, Long Island City, N. Y.
Klaber S. & Co., 21 W 39th, New York
Lautz-McNerney Marble Co., Carthage, Mo.
McGratty & Sons, 313 Butler, Brooklyn, N. Y.
McLaury D. H. Tile Co., 103 Park av, New York
Marthens Chester N. Marble Co., W 53d & Wallace, Chicago, Ill.
Milligard D. & Co., Colfax, Wash.
Musto Jos. Sons-Keenan Co., 535 North Point, San Francisco, Cal.
National Mosaic Co., 338 Pennsylvania av, Washington, D. C.
Naughton Marble Co., 64 W Grand, Chicago, Ill.
Nelson N. O. Marble Co., Edwardsville, Ill.
Norcross Marble Co., Harvard & Jennings rd, Cleveland, O.
Northwestern Marble & Tile Co., 27th av & 27th, Minneapolis, Minn.
Pelli Alexander & Co., 509 E 120th, New York
Peoria Stone & Marble Works, Peoria, Ill.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
Ravenswood Co., Ravenswood, L. I., N. Y.
Reeves Marble Co., Atlanta, Ga.
Schlichter P. M. & W., 636 1st av, New York
Shipway John H. & Bro., Locust av & 136th, New York
Sisson Hugh & Sons, 21 N Liberty, Baltimore, Md.
Standard Marble Works, 706 Front, Cincinnati, O.
Theis' Peter Sons, 636 1st av, New York
Toscani John L. Co., 930 E 178th, New York
Traitel Marble Co., Webster av, Long Island City, N. Y.
Voska, Foelsch & Sidio, 61 Mills, Astoria, L. I., N. Y.
Wege Marble & Tile Co., Central National Bank bldg, Columbus, O.
Weiblen A. Marble & Granite Co., City Park av & St. Louis, New Orleans, La.
Weis & Jennett Marble Co., 3011 Missouri, St. Louis, Mo.
White Marble & Terrazzo Co., Lee, Mass.

## Marble Mosaic

See Mosaics, Floor

## Marble Mosaic Cube Importers

See Mosaic Cube Importers, Etc.

## Marble (Plumbers')

See Plumbers' Marble Work

## 9575— Marble Producers

### CALIFORNIA.

LOS ANGELES—American Carrara Marble Co.
SAN FRANCISCO—Columbia Marble Co., 268 Market

### GEORGIA.

ATLANTA — Atlanta Marble & Granite Works.
Whitestone Marble Co. Quarries: Whitestone, Ga.
BALL GROUND—Consumers Marble Co.
Roberts Monument Co.
CANTON—Coggins Marble Co.
Continental Marble & Granite Co.
Georgia Marble Finishing Works
COLUMBUS — Elledge & Norman Marble Co.
MARIETTA—McNeel Marble Co.
NELSON—Blue Ridge Marble Co.
TATE—Georgia Marble Co. ("Cherokee," "Creole," "Kennesaw," "Etowah," "Silver Gray")
WHITESTONE—Whitestone Marble Co.

### ILLINOIS.

CHICAGO—Garden City Sand Co., Chamber of Comm. bldg

### MARYLAND.

BALTIMORE—Beaver Dam Marble Co., Gunther bldg. Quarries, Cockeysville, Md.
Evans Marble Co., Ranstead Wharf
Sisson Hugh & Sons, 21 N Liberty

### MASSACHUSETTS.

LEE—Gross W. H.
Lee Marble Works
White Marble & Terrazzo Co.
WESTFIELD—Westfield Marble & Sandstone Co.
WEST STOCKBRIDGE—West Stockbridge Marble Works

### MICHIGAN.

DETROIT—Christa Marble Co., 1625 St. Aubin

### MISSOURI.

CARTHAGE—Carthage Marble Works
Carthage Marble & White Lime Co. (See St. Louis)
Carthage Quarry Co.
Carthage Stone Co.
Carthage Superior Marble & Limestone Co.
Consolidated Marble & Stone Co.
Kellogg Marble Co.
Lautz-McNerney Marble Co.
Spring River Stone Co.
KANSAS CITY—Phenix Marble Co., 19th & Olive
ST. LOUIS—Bradbury Marble Co., 4165 Duncan
Carthage Marble & White Lime Co., Chouteau & Vendeventer av

### NEW YORK.

BINGHAMPTON—Lauder, Isaac & Son
CARTHAGE—Crooks & McLean Co.
GLEN FALLS—Finch, Pruyn & Co., Inc., (Black)
GOUVERNEUR—Gouverneur Marble Co.
Scholton D. G. (Wholesale)
St. Lawrence Quarries
Sullivan John J.
NEW YORK—Batterson & Eisele, 101 Park av
Norcross Bros. Co. (Georgia, Tuckahoe & Vermont), 103 Park av
Tassini & Tassini, 64 Mangin

### OHIO.

HAMILTON—Buckeye Marble Co.
Standard Marble Works, 706 W Front

### PENNSYLVANIA.

CORRY—Starr Granite & Marble Wks.
KING OF PRUSSIA—Schweyer Henry A. Co. (Blue & Dark Blue)
Schweyer Henry A. Co. ("Sylvan Green"). Quarries: Easton, Pa.
PHILADELPHIA—Peverley Bros., 1215 Filbert
WEST GROVE—Penna. Marble & Granite Co.

### SOUTH CAROLINA.

SPARTANSBURG — Southern Marble & Granite Co.

### TENNESSEE.

KNOXVILLE—Appalachian Marble Co. (Havlin Pink, Silver Gray, Dark Chocolate, Roseal, Dark Stainette Variegated)
Asbury Marble Co. ("Gray Eagle")
Cedar Bluff Marble Co.
Craig Jno. J. Co.
Cumberland Marble Mill Co.
EVANS MARBLE CO.
Fenton Construction Co.
Gray Eagle Marble Co. ("Gray Eagle")
Ross J. M.
Ross & Republic Marble Co. ("Royal")
Tennessee Producers' Marble Co. (Dark Cedar, McMullen Gray & Bond Pink)
Victoria Marble Co. ("Victoria Pink," "Victoria Gray")

### VERMONT.

BRANDON—Middlebury Marble Co.
BURLINGTON—Goodell Granite & Marble Co.
MANCHESTER CENTER—Bebee Wm. G.
PROCTOR—Vermont Marble Co.
RUTLAND—United Marble Companies
SWANTON—Barney Marble Works
WEST RUTLAND—Clarendon Marble Co.

### VIRGINIA.

RICHMOND—Wray Andrew J., 328 S Cherry

## 9576-7—Marble (Rosso Antico)

Jackson C. D. & Co., (Imp.), 140th & Locust av, New York

## Marble Sawing Machines

See Stone Sawing Machines

## 9578— Marble (Serpentine)

Tompkins Kiel Marble Co., 505 5th av, New York
Westfield Marble & Sandstone Co. (Black & Green), Westfield, Mass.

## 9579— Marble Statuary

Batterson & Eisele, Main Office & Works, Edgewater, N. J.
Church Art Work Co., Mt. Vernon, N. Y.
Daprato Statuary Co. (Metal & Composition), 766 W Adams
*See adv index at end of book*
Francini C., Lexington av & 35th, New York

## 9580— Marble (Terrazzo)

Tompkins Kiel Marble Co., 505 5th av, New York

## 9581— Marble (Tinos)

Jackson C. D. & Co. (Imp), 140th & Locust av, New York

## 9582—Marble (Vert D'Estours)

Jackson C. D. & Co. (Imp), 140th & Locust av, New York

## 9583— Marble (Wholesale)

See also Marble Importers

Batterson & Eisele, Main Office & Works, Edgewater, N. J.

MARBLE (WHOLESALE)—continued

Bradbury Marble Co. (Georgia, etc), 4165 Duncan, St. Louis, Mo.
Carthage Marble & White Lime Co. (Georgia & Tennessee), Chouteau & Vendeventer avs, St. Louis, Mo.
Evans Marble Co., Ranstead Wharf, Baltimore, Md.
Fenn C. E. & Co., 38 S Dearborn, Chicago, Ill.
Hilgartner Marble Co., 223 N Charles, Baltimore, Md.
Jackson C. D. & Co. (Imp.), 140th & Locust av, New York
**Pisani Bros., 815 Vernon av, Astoria (Borough of Queens, New York)**
Musto Jos. Sons-Keenan Co., 535 North Point, San Francisco, Cal.
**Schlichter P. M. & W., 636 1st av, New York**
Taber & Co., 1 Hudson, New York
Temple Bros., Rutland, Vt.
Tompkins Keil Marble Co. ("Eastman's," Cream, Green & White), 505 5th av, New York
Vermont Marble Co., Proctor, Vt.

## 9584— Marbles (Playing)

**Akro Agate Co., Clarksburg, W. Va.**
**Allbright J. E. Co., Ravenna, O.**
**Christensen M. F. & Son, Akron, Ohio**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Johnston & Sharp Mfg. Co. (Hollow Steel), Ottumwa, Ia.
Standard Toy Marble Co (Toy Marbles), Akron, Ohio

## 9585— Marine Boilers

**HEINE SAFETY BOILER CO.,** 5319 Marcus av, St. Louis, Mo.
Murphy Timothy Iron Works, Jacksonville, Fla.

## 9586—Marine Railway Builders

Crandall Engineering Co. (For Dry Docks) 102 Border, E. B., Boston, Mass.
**Devney H. J., Ashtabula, O.**
Laird & Sons, Ashtabula, O.
**Mead-Morrison Mfg. Co., corner Prescott & Orleans, East Boston, Mass.**
**New London Marine & Iron Works, New London, Conn.**

## Marine Railways

See Dry Docks & Marine Railways

## 9587-8—Markers (Button & Button Hole)

**Firsching Jos. A., Utica, N. Y.**

## Markers (Center)

See Punches, Center

## 9589— Markers (Clap-Board)

**Goodell-Pratt Co., Greenfield, Mass.**
**Smith Otis A., Rockfall, Conn.**
**Stanley Rule & Level Co., New Britain, Conn.**

## 9590—Markers (Engine & Tail)

**Handlan-Buck Mfg. Co. ("Handlan"), 210-214 N 3rd, St. Louis, Mo.**

## 9591—Markers (Poultry, Cattle Etc.)

Cadwallader Thos. ("Champion" Leg Bands), Salem, O.
Dana C. H. (Ear Tags), West Lebanon, N. H.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Keyes-Davies Co. Ltd. (Car Tags), Battle Creek, Mich.
Wilcox & Harvey (Car Tags), 564-572 W Randolph, Chicago, Ill.

## 9592— Markers (Stock)

**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**
**Stearns E. C. & Co. (For Punching Live Stock), 450 Oneida, Syracuse, N. Y.**

## 9593— Marline (Tarred)

**See also Twines**

American Mfg. Co., Noble & West, B'klyn, N. Y.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Hanover Cordage Co., Hanover, Pa.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.

## 9594— Marquises

American Luxfer Prism Co., 1305 S 55th, Chicago, Ill.
Barnum E. T., Wire & Iron Works, 864 Woodward, Detroit, Mich.
Cincinnati Mfg Co., Cincinnati, O.
**Cornell Iron Works, 26th & 11th av, New York**
**Duluth Corrugating & Roofing Co., Duluth, Minn.**
**Ellison Brass Mfg. Co., Jamestown, N. Y.**
Fiske J. W. Iron Works, 111 Park pl, New York
**Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.**
Gorham Co. Arch'l Bronze (Bronze), 5th av & 36th, New York
**Halsted Jos. Co., 1233 W Randolph, Chicago**
**Henry-Bonnard Bronze Co. (Bronze & Iron), 20 Exchange pl, New York**
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
**Jackson Wm. H. Company (Iron & Bronze), 2 W 47th, New York**
**Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.**
Mack Iron & Wire Wks., Sandusky, O.
Musker Geo. L. & Co., Evansville, Ind.
**MEYERS FRED J. MFG. CO., Hamilton, O.**
*See adv index at end of book*
Milwaukee Corrugating Co. ("Millcor" All Metal), Milwaukee, Wis.
Pitt Wm. R. Composite Iron Wks., (Iron & Glass), 221 W 26th, New York
**Remppis W. F. Iron Works, 226 & 236 Spruce, Reading, Pa.**
**Republic Structural Iron Works Co., 135 E 53d, Cleveland, O.**
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
**Schrieber L. & Sons Co., 3869 Ivanhoe,** Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourne av, Chicago, Ill.
*See adv index at end of book*
Smyser, Royer Co., York, Pa.
**Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
Tiffany Studios, 361 Madison av, New York
**TYLER W. S. CO.,** Marquies, **Cleveland,** O. *See adv index at end of book*
Verdeckberg Iron & Wire Works Co., Denver, Colo.
Wells Architectural Iron Co., River av & 151st, New York
West Side Structural Co., Troy, N. Y.
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## 9594a—Martingale Rings (Loops & Dies)

Rubber & Celluloid Products Co. (Celluloid), 56 Ferry, Newark, N. J.

## 9595— Mashers (Potato)

A. & J. Mfg. Co. ("A. & J."), Binghamton, N. Y.
Browne & Dowd Mfg. Co. ("Rapid," Masher & Beater), Meriden, Conn.
Cassady Fairbank Mfg. Co. (Perforated, "Buckeye," Wire Spring, etc), 6126 S La Salle, Chicago, Ill.
Estes E. B. & Con, 364 5th av, New York
*See adv index at end of book*
Goodell Co., Antrim, N. H.
Grey Iron Foundry Co., Reading, Pa.
Hamblin & Russell Mfg. Co. ("Crown," etc, Wire), Worcester, Mass.
Minerva Hardware Mfg. Co. ("3-in-1"), Minerva, O.
Parker Wire Goods Co. (Wire, Wood Handle), Worcester, Mass.
Prouty C. & Co., Eldred, Pa.
Walker C. S. & Co. ("Quick & Easy"), 656 W 12th, Erie, Pa

**QUADRIGA MFG. & SPECIALTY CO.** ("Chef," Machine for Hotels, etc), 213 W Grand av, Chicago, Ill.
*See adv index at end of book*
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Streeter N. R. & Co. ("Sensible"), Rochester, N. Y.
Taplin Mfg. Co., New Britain, Conn.
Timberlake J. B. & Sons (Steel Wire), Jackson, Mich.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Wire Hardware Co., 6126 S La Salle, Chicago, Ill.**
Wire Woods Co. (Wire), Worcester, Mass.
Woods-Sherwood Co. (Wire, Wood Handle), Worcester, Mass.

## 9596—Mashers (Potato, Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
**Chapman-Sargent Co., Piqua, O.**
**Peirce W. E. & Co., Milford, N. H.**
**Richardi & Bechtold, Bellaire, Mich.**
Sommer John Faucet Co., 30 Morris av, Newark, N. J.

## 9596a—Masks (Acid or Gas)

American La France Fire Engine Co, Inc., Elmira, N. Y.
Connelly Iron Sponge & Governor Co., 227 Fulton, New York.
**Multi-Metal Co., 251 W 19th, New York**

## 9797-8— Masks (Base Ball)

Chicago Sporting Goods Mfg. Co., 211 N Carpenter, Chicago, Ill.
**Draper Maynard Co., Plymouth, N. H.**
**Goldsmith's P. Sons, John, Findlay & Charlotte, Cincinnati, O.**
**Hamblin & Russell Mfg. Co. ("H. & R.") Worcester, Mass.**
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
King Julius Optical Co., 10 Maiden Lane, New York
Parker Wire Goods Co. (Steel Wire) Worcester, Mass.
**Peach J. A. ("Peach," Electrically Welded), Gloversville, N. Y.**
**Rawlings Mfg. Co. ("Rawlings"), 23rd & Lucas av, St. Louis, Mo.**
Reach A. J. Co., Tulip & Palmer, Phila., Pa.
**Spalding A. G. & Bros., 126 Nassau, New York**
**Stall & Dean Mfg. Co., Brockton, Mass.**
**Victor Sporting Goods Co., Springfield, Mass.**
Walker C. S. & Co. ("Quick & Easy"), 656 W 12th, Erie, Pa.
**Western Sporting Goods Mfg. Co., 126 N Union av, Chicago, Ill.**
Wright & Ditson, 344 Washington, Boston Mass.

## Masons' Leads

See Plumb Bobs

## Masons' Lines

See Chalk & Masons' Lines

## Masons & Builders

See Contractors, Building & General

## 9599—Masons' & Builders' Materials

For Manufacturers, Consult Index of Contents for Specific Article Required

### ALABAMA.

ANNISTON—Paint, glass & Builders' Supply Co.
BESSEMER—Edwards G. B. Lumber Co.
BIRMINGHAM—Baldwin J. Frank
Barnet Lumber Co.
Carolina Portland Cement Co.
Kirkpatrick Sand & Cement Co.
ENSLEY—Byrum Hardware Co.
HUNTSVILLE—Booth A. M.
Huntsville Lumber & Mfg. Co.
LONGVIEW—Longview Lime Works
MOBILE—Mobile Coal Co.
MONTGOMERY—Alabama Lumber Co.
Montgomery Lime & Cement Co.

MOORE—Handley Hardware Co., Alabama
Southern Building Supply Co.
SHEFFIELD—Marks H.

### ARIZONA.

DOUGLAS—Douglas Lumber Co.
PHOENIX—Ryder H. W.
TUCSON—Tucson Lumber Co.

### ARKANSAS.

HELENA—Carvell Herman & Co.
JONESBORO—Barton Lbr. & Brick Co.
Stuck C. A. & Sons
LITTLE ROCK—Arkansas Brick & Mfg. Co.
Leiper G. A. & Co.
OLIVER—Thomas-Huycke Co.

### CALIFORNIA.

ALAMEDA—Rhodes Jamieson Co.
BAKERSFIELD—Pioneer Mercantile Co.
BERKELEY—Foss F. W. Co.
DALY CITY—Smith Hugh H.
EUREKA—Bayside Lumber Co.
FRESNO—Pierce C. S. Lumber Co.
Valley Lumber Co.
LOS ANGELES—Ganahl C. Lumber Co.
Grand Canyon Lime & Cement Co.
PASADENA—Blinn L. W. Lumber Co.
Kerckhoff-Cuzner Lumber Co.
PETALUMA—Kahn A.
RED BLUFF—Holt & Gregg Co.
SACRAMENTO—Kreuzberger Bartie
SAN DIEGO—Bailey W. J. Co.
Schirm J. S. Commercial Co.
SAN FRANCISCO—Builders' Supply Depot, 42 Eighth
Building Material Co., Monadnock bldg
Cassaretto John, 345 Berry
Civic Center Supply Co., 603 Octavia
Cowell Henry Lime & Cement Co., 2 Market
Dempster & Son, Merchants Exch bldg
Dolan Daniel J., 1643 Market
Fernald Co., 221 Tehama
Gillon Edward E., 3944 Geary
Holmes Lime & Cement Co., Postal Tel. bldg
Kees Metal Bldg. Specialties Co., Phelan bldg
Lennon James E. Lime & Cement Co., 352 Church
McNear Brick Agency, Monadnock bldg
Norris L. A. Co., 140 Townsend
Pacific Building Materials Co., 523 Market
Pacific Lime & Plaster Co., Monadnock bldg
Pacific Portland Cement Co., Cons'd Pacific bldg
United Materials Co., 618 Mission
Valley Lumber Co., 110 Market
Western Builders' Supply Co., 135 2d
Western Fuel Co., 430 California
Western Lime & Cement Co., Postal Telegraph bldg
SANTA ANA—Pendleton Lumber Co.
SANTA BARBARA—Union Mill Co.
SANTA ROSA—Berka F.
STOCKTON—Hammond & Yardley
WATSONVILLE—Pajaro Valley Mercantile Co.

### COLORADO.

ASPEN—Tomkins Lewis H. Hardware Co.
DENVER—Barrows Geo. A. Lime Co.
Cement & Lime Products Co.
Colorado Lime & Fluxing Co., 321 McPhee
Fisher Francis J.
Flemming Bros. Lumber Co.
Hallack & Howard Lumber Co.
McPhee & McGinnity Co.
Rocky Mountain Fuel Co., Foster bldg
Threewit Benj. F.
LEADVILLE—Harvey John Fuel & Feed Co.
Williams Lumber Co.
PUEBLO—Newton Lumber & Investment Co.
RED CLIFF—Fleming Lumber & Merc Co.
ROCKY FORD—English R. W. Lumber Co.
TRINIDAD—Davis O. L. Lumber Co.

### CONNECTICUT.

BERLIN—Merwin C. P. Brick Co.
BRIDGEPORT—Burns Co.
Hannan F. H. Supply Co.
Miller Frank Lumber Co.
Silliman & Godfrey Co.
Wheeler & Howes
BRISTOL—Judd Coal Co.
Saxton & Strong
BROOKFIELD—New England Lime Co.
DANBURY—New England Lime Co.
Osborne A. C.
Peck-Burkett Lumber Co.
DANIELSON—Young Bros.
DERBY—Hollock F. Co.
GREENWICH—Brush Joseph
Maher Bros. Corp.
HARTFORD—Billings Sidewalk & Coal Co.
Putnam H. E.
JEWETT CITY—Chapman & Tripp
LAKEVILLE—Spurr E. W. Co
MERIDEN—Lines H. Wales Co.
Lyon & Billard Co.
MIDDLETOWN—Davis L. O. & E. S.
MILFORD—Smith D. E.
NEW BRITAIN—City Coal & Wood Co.
Damon W. L. Co.
Hibbard B. H. Co.
NEW CANAAN—Weed & Duryea Co.
NEW HAVEN—Conn. Adamant Plaster Co.
Howard Co.
Jordan Co.
New England Stone Co.
Warner-Miller Co.
NEW LONDON—Marquardt Bros.
NEW MILFORD—Beach C. M. Co.
Soule Turney
NORWALK—Bishop & Lymes
NORWICH—Chappel Edw. Co.
Peck, McWilliams & Co.
PORTLAND—Strong & Hale Lumber Co.
PUTNAM—Fox Jno. O. & Co.
Kinney Myron & Son
Wheaton Building Lumber Co.
ROCKVILLE—Hill Geo. W.
ROXBURY STATION—Hodge A. L. & Son
SEYMOUR—Beach A. Y.
SHELTON—Clark D. N.
SOUTHINGTON—Southington Lumber & Feed Co.
SOUTH NORWALK—Hatch & Bailey Co.
Hubbell, Hall & Randall Co.
Meeker Coal Co.
SOUTHPORT—Northrop Bros.
STAMFORD—Bounty A. E. Co.
Stamford Masons' Supply Co.
TORRINGTON—Hotchkiss Bros. Co.
Torrington Building Co., Inc.
WALLINGFORD—Gallagher Bros.
WATERBURY—Bergen E. & Sons
Chatfield Geo. S. Co.
Chatfield & Chatfield
Gaffney John W. & Son
McManus Edw.
Tracy Bros. Co.
WATERTOWN—Atwood C. W.
WILLIMANTIC—Hillhouse & Taylor
Lincoln & Boss Lumber & Coal Co.
Willimantic Lumber & Coal Co.
WINDSOR LOCKS—Bidwell F. S. Co.
WINSTED—Bronson Bros.
Burwell J. C.

### DELAWARE.

GEORGETOWN—Thoroughgood Co.
NEW CASTLE—Eliason J. T. & L. E.
NEWPORT—Justis J. G. Co.
WILMINGTON—Conly Bros.
Pyle Victor R. Co.
Warner Chas. Co. (Lime Mfrs., Wholesale & Retail), I. O. O. F. bldg.

### DISTRICT OF COLUMBIA.

WASHINGTON—Barker Geo. M., 649 New York av, N W
Cranford Paving Co., 2620 E, N W
Hartig Louis 1001 7th N W
National Mortar Co., 101 M, N E

### FLORIDA.

DAYTONA—Maley R. S.
EAU GAILLE—East Coast Lumber & Supply Co.
GAINESVILLE—Baird Hdw. Co.
JACKSONVILLE—Baker & Holmes Co.
Carolina Portland Cement Co.
Gill & Mulholland
Jacksonville Concrete Products Co.
Logan Coal & Supply Co.
Marshall & Spencer Co.
KEY WEST—Curry's Wm. Sons Co.
MIAMI—McDonald J. A. Co.
Tower Hardware Co. (Sash, Door, Blind, etc.)
ORLANDO—Bumby Jos. Hardware Co.
PALATKA—Kennerly Hdw. Co.
Merryday Grocery Co.
PENSACOLA—Cary & Co.
ST. AUGUSTINE—Hamblen C. F.
TAMPA—Knight & Wall Co.
Phillips I. W. & Co.
WEST PALM BEACH—Dade Lumber Co.
Lainhart & Potter

### GEORGIA.

ATHENS—Athens Hardware Co.
ATLANTA—Carolina Portland Cement Co.
Kriegshaber V. H. & Son
Randall Bros. Peters bldg.
Sciple Sons
AUGUSTA—McDaniel A. H.
Peoples Lumber & Supply Co.
Toole W. B.
BRUNSWICK—Coney & Parker Co.
United Supply Co.
CARTERSVILLE—Ladd Lime & Stone Co.
CEDARTOWN—Hall & Barr
COLUMBUS—Beach Wm. Hardware Co.
Bush C. P. Hardware Co.
Cooper Lumber Co.
Dudley Sash, Door & Lumber Co.
Elledge & Norman Marble Co.
Harvey W. T. Lumber Co.
COMER—Gholston Bros.
COMMERCE—Commerce Brick & Lumber Co.
CONYERS—Still W. R.
CORDELE—Cordele Sash, Door & Lumber Co.
Hutchinson Lumber & Supply Co.
CORNELIA—Ellard W. B.
CRAWFORDSVILLE—Golucke C. H. & Son
DALTON—Cherokee Mfg. Co.
Farrar Lbr. Co.
DAWSON—Shields-Geise Lumber Co.
FITZGERALD—Graham F. M. & Co.
FLOVILLA—Linch T. O.
HARTWELL—Alford D. C.
HAWKINSVILLE—Blount J. J.
LAWRENCEVILLE—Williams Lumber Co.
LITHONIA—Almond A. J.
McDONOUGH—Carmichael Lumber Co.
MACON—Builders' Lumber & Supply Co.
Burke T. C.
Central Mfg. Co.
Elder W. F. Lumber Co.
Massee & Felton Lbr. Co.
Willingham Sash & Door Co.
MANCHESTER—Corley J. P. Lumber Co
MOUNTVILLE—Fuller J. D.
ROME—Marshall Mfg. Co.
ROYSTON—Jordan R. P. & Son
SASSER—Varner J. M.
SAVANNAH—Builders' Mutual Supply Co.
Bremer W. J.
Butler J. G. Builders' Supply Co.
Gallaher Louis Co.
General Building Supply Co.
Neal-Blun Co.
STATESBORO—Franklin A. J.
THOMASVILLE—Dillon J. W.
Evans & Son
THOMSON—Kendrick J. H. & M. B.
United Supply Co.
WARRENTON—Morris J. T.
WESTPOINT—Batson-Cook Co.
WINDER—Young W. E.
WOODSTOCK—Robertson J. T.

### IDAHO.

BOISE—Ridenbaugh W. H.
IDAHO FALLS—National Park Lumber Co.

### ILLINOIS.

ALEDO—Carroll Guy H.
ALTON—Miller Lime & Cement Co.
AURORA—Aucutt Bros.
Brown H. D. & Co.
Dalton J. D. & Son
Hanna & Todd
McCredie James
Seamans S. D.
White & Todd
BARRINGTON—Lageschulte & Hager
Lamey & Co.
BATAVIA—Alexander Lumber Co.
Barker W. P.
BEAVERVILLE—Lambert H. Co.
BELLEVILLE—Bien & Peters
Reeb Bros.

ILLINOIS—continued

BELVIDERE—Wright O. H. & Co.
BEMENT—Wilkinson A. L. & Co.
BLOOMINGTON—Harwood W. S. Lumber & Coal Co.
Parker Bros.
White Sam'l R. Mfg. Co.
BUSHNELL—Simpson James C. & Co.
CAIRO—Halliday H. H.
Langan P. T. Lumber Co.
CARLINVILLE—Woodward C. T.
CARROLLTON—Widdowson J. M.
CARTHAGE—Helfrich N. J. & Co.
Lyon W. E. & Co.
CATLIN—Jones A. Sons
CHAMPAIGN—Stipes & Hecker
CHANDLERVILLE—Goodell Skiles Lumber Co.
CHARLESTON—Fuller Bros.
CHATSWORTH—Walter Geo. J.
CHICAGO—Artesian Stone & Lime Works Co., Grand & Campbell avs
Atlas Portland Cement Co. (Mfrs.), 134 N La Salle
Blocki-Brennan Refining Co., 11 N La Salle
Bonner & Marshall Brick Co., 133 W Washington
Bos John N. Sand Co. (Sand), 118 N La Salle
Calumet Coal & Teaming Co., 9022 Commercial av
Carpenter Geo. T. (Sewer Pipe, etc), 1001 S Karlov av
Chicago Fire Brick Co., 133 W Washington *See adv index at end of book*
Chicago Portland Cement Co. (Cement Mfrs.), 30 N La Salle
Chicago Union Lime Works Co., 1900 W 19th
Chicago & Oak Park Supply Co., 637 Desplaines av, Forest Park
Dee Wm. E Co. (Sewer Pipe), 30 N La Salle
Dolese & Shepard Co., 108 S La Salle
Druecker N. J. & Co., 2634 N Artesian av
Frerk Henry Sons, 3135 Belmont av
Garden City Sand Co., Chamber of Commerce bldg
La Salle Cement Co. (Cement Mfrs.), 140 S Dearborn
Longwell Teaming & Storage Co., 2245 Lumber
Marblehead Lime Co., 159 N State
Meacham & Wright Brick Co. (Cement), 133 W Washington
Moustgaard M., 2016 N Kostner av
North West Material Co., 3690 Milwaukee, W
Richardson Sand Co., 6647 Ridge av
Rockwell Lime Co., 133 W Washington
Rosing Astrid S., 111 W Monroe
Standard Material Co., 607 W 66th
Stearns Lime & Stone Co., 160 W Randolph
Streeter Clip & Specialty Co., 4125-27 E Ravenswood av
Templeton Lime Co., 1019 N Homan av
Putnam H. E.
Thomas Moulding Brick Co., 1203 Chamber of Commerce
Tobin T. M. & Bros. Co., 9326 S Chicago av
Tuthill Building Material Co., 131 W 63d
Universal Portland Cement Co. (Mfrs.), 208 S La Salle
Viall O. A., 11820 S Union av
Waukesha Lime & Stone Co., 1755 Monticello av
Williams N. A. Co. (Sewer Pipe, etc), 133 W Washington
Wisconsin Lime & Cement Co., 133 W Washington
CHICAGO HEIGHTS—Leising Jos. F. & Co.
CICERO—Cicero Fuel & Building Material Co.
CLINTON—Kent E. & Co.
DANVILLE—Danville Lime & Cement Co.
Hill Frank L.
Holden N. E.
Swisher S. P.
Trent Bros.
DECATUR—Decatur Bldrs.' Supply Co.
Decatur Lumber & Mfg. Co.
Lyon G. S. & Sons Lumber & Mfg. Co.
McGavic Lumber Co.
Macknet Dan. C.
Swisher L. Lumber Co.
DIXON—Wilbur Lumber Co.
EAST ST. LOUIS—Acme Cement Plaster Co., Weber & Southern R. R.
Flannery P. & Son, State & Belt Line
Hill-Thomas Lime & Cement Co.
EDWARDSVILLE—Hotz Lumber Co.
ELGIN—Adams Fred M.
Bosworth F. S. & Son
Geister Bros.
McBride T. & Son
EL PASO—McKinney & Co.
EVANSTON—Evanston Bldg. Matl. Co.
Mathews Jas.
FAIRFIELD—Fairfield Lumber Co.
FLANAGAN—Litchfield Bros.
FREEPORT—Brubaker B. F.
FULTON—Snyder J. C.
GALESBURG—Hinchliff Lumber Co.
Simpson & McClure Lumber Co.
Terry W. E. Lumber Co.
GALVA—Houghton E. W. Lumber Co.
GRANITE CITY—Granite City Lime & Cement Co.
GRAYSLAKE—Wilbur F. C., Lumber Co.
GREENFIELD—Entrekin J. H.
GREENVIEW—Tripp Bros.
HAMPSHIRE—Kirchoff Bros.
HARVARD—Hall W. D.
Lake-Harris
HIGHLAND PARK—Middleton & Clark
HIGHWOOD—Highwood Mfg. Co.
HINCKLEY—Pogue Lumber Co.
HOOPESTON—Illinois Lumber, Grain & Coal Co.
HUME—Lyons Lumber Co.
JACKSONVILLE—Andrews Bros.
JOLIET—Buck Werden
Hayes A. W.
Patterson T. H. (Est. of)
KANKAKEE—Kankakee Tile & Brick Co.
Ruhle Christian
KEWANEE—Johnston Lumber Co.
KEYESPORT—Langham Wm.
LANARK—Wilbur Lumber Co.
LA SALLE—Elliott Hayden & Co.
Hunter, Stevens & Co.
LEMONT—Derby S. L.
LINCOLN—Spellman & Co.
LOAMI—Baker George W.
McLEAN—Dodgson L. P. & Son
MENDON—Nutt Walter J. Lumber Co.
METROPOLIS—Gibbons A. J.
MILFORD—Jones Bros.
MINONK—Kipp A. B. & Co.
MOLINE—Mueller Lumber Co.
Wood's Beder Sons Co.
MONMOUTH—McCullough Lumber & Coal Co.
MONTICELLO—Lodge W. F.
MORRISON—Potter M. H. & Sons
MOUNT CARROLL—Rhodes Bros.
MOUNT MORRIS—Clevidence A. E.
NASHVILLE—Weihe W. O.
NEWMAN—Thomas H. L.
NORTH CRYSTAL LAKE—Wilbur Lumber Co.
OAK PARK—Davis W. G. Coal Co.
Suburban Coal & Supply Co.
PARIS—Risser A. & Co.
Logan John A. & W. B.
Logan William S.
Propst Lumber Co.
PEKIN—Conklin Reuling Co.
Lampitt Ed. F.
PEORIA—Mackemer J. W. & Co.
Miller Jos. & Sons
Peoria Builders' Supply Co.
Peoria Fuel Co.
Wasson T. J.
PERU—Maze W. H. Co.
Zimmermann Christian & Co.
PONTIAC—Smith F. N.
PORT BYRON—Port Byron Lime Ass'n
PRINCETON—Davis & Hopkins Lumber Co.
QUINCY—Heidemann Lumber Co.
Meyer W. D.
Quincy Lumber Co.
ROCK FALLS—Johnston Lumber Co.
Smith & Grater
ROCKFORD—Bartlett A. L. Co.
Empire Coal & Coke Co.
Hart & Page
Parsons Lumber Co.
Rockford Builders' Supply Co.
Rockford Lumber & Fuel Co.
Safford G. N. & Co.
Skandia Coal & Lumber Co.
ROCK ISLAND—Mueller Lumber Co.
Port Byron Material & Fuel Co.
Rock Island Sand & Gravel Co.
SANDWICH—Lindner P. S. & Co.
Mosher & Castle
SPRINGFIELD—Irwin H. C.
Schuck J. H. & Son
Vredenburgh Peter Lumber Co.
STERLING—Dillon Moses Co.
Simpson J. C. & Co.
Stoeckle W. A.
STREATOR—Ames J. C. Lumber Co.
Anthony Mark
Schlachter Phillips, Jr.
Streator Lumber Co.
Williams Hardware Co., Williams bldg
*See adv index at end of book*
SYCAMORE—Holcomb Bros.
North Side Lumber Co.
URBANA—Huff S. E. & Co.
Stipes & Hecker
UTICA—Utica Hydraulic Cement Co.
VERMILION—Hornberger J. A. & Son
WARREN—Taylor C. F.
WATERMAN—Pogue Lumber Co.
WHEATON—Sutcliffe's John Sons
Wheaton F. E. & Son
WOODLAND—Anderson James E.

## INDIANA.

ALEXANDRIA—Brannum Lumber Co.
ANDERSON—Bailey J. W. & Co.
Vernon E. G. & Son
ANGOLA—Shank Daniel Lumber Co.
AUBURN—Auburn Lumber Co.
Brandon Lumber Co.
BLOOMINGTON—Bloomington Coal Co.
Hughes Bros. Co.
BOONVILLE—White C. P. Lumber Co
BRAZIL—Halsted J. N. Lumber Co.
BROOK—Brook Building & Supply Co.
BROOKVILLE—Masters J. H. & Son
CARLISLE—Risinger Thomas S.
CICERO—Cicero Lumber Co.
COLUMBIA CITY—Kessler S. E.
COLUMBUS—Dunlap & Co.
Hege & Co.
CRAWFORDSVILLE—Binford Joseph & Sons
DECATUR—Kirsch, Sellemeyer & Sons Co.
EARL PARK—Wilbur Lumber Co. (See Milwaukee, Wis.)
EAST CHICAGO—Flack Bros.
ELKHART—Consumers Coal & Supply Co
Godfrey B. C. & Sons
Sanders Coal Co.
ELWOOD—Winters Lumber Co.
EVANSVILLE—Baird's L. M. Sons
Lensing Bros.
Sonntag Geo. W.
FAIRMOUNT—Mercer, Brannun & Bevington Co.
FORT WAYNE—Baltes E. M. & Co.
Fort Wayne Builders' Supply Co.
Moellering's Wm. Sons
FRANKFORT—Archey Brant Coal Co.
Kramer Bros. Co.
Morris Wm. G. & Bro.
GOSHEN—Davis C. A. & Son
Neidig Chas. E.
GREENSBURG—Pulse & Porter
GUILFORD—Taylor T. S.
HAMLET—Dye Lumber Co.
HAMMOND—Beckman Supply Co.
Bieker Bros. Co.
City Fuel & Supply Co.
HEBRON—Wilson John
HOBART—Bash C. E. & Co.
Shearer & Emery
HUNTINGTON—Bash C. E. & Co.
Ohio & Western Lime Co.
INDIANAPOLIS—A. & C. Stone & Lime Co., 17 N Pennsylvania
Aldag F. W. Co., E Washington & Belt
Bennet W. S. & Co., 50th & Monon
Builders' Supply Corporation, 342 E Washington
Consolidated Indiana Coal Co., Merchants Bk. bldg.
Day W. Curtis, Fletcher Sav. & Trust bldg
Dell Frank M., S E cor Cruse & Southeastern av
Dunning Carl Supply Co.
General Builders Supply Co.
Goepper Fred, W Michigan & C. I. & W. R. R.
Indianapolis Coal Co., 234 Newton
Indianapolis Mortar & Fuel Co., 407 Odd Fellow
Irvington Coal & Lime Co., 5643 Bonna av, Irvington
Keeport A. B. & Co., N Senate av
Master Builders Co., Merchants Bank bldg
Meyer A. B. & Co., 17 N Penn
Vonnegut Hardware Co. (Roofing & Paper), 120 E Washington
Wilkinson Allen A. Lumber Co.
KNOX—Long-Thompson Co.

KOKOMO—Ellis Bros.
Kokomo Hardware Co.
Tate Geo. D. & Son
LAFAYETTE—Lyman Harry B.
LA GRANGE—Stroup P. N. & Co.
LAPORTE—Moore & Richter Lumber Co.
Van Kirke John P.
Wilson W. Lumber Co.
LAWRENCEBURG—Barrott E. & Son
Lawrenceburg Lumber Co.
LEWISVILLE—Smith R. R. Sons
LINTON—Wilkinson Allen A. Lumber Co.
New Union Lumber Co.
LOGANSPORT—Barnes Jas. I.
Dilley Clinton L. Co.
Stalnaker W. S.
LOWELL—Wilbur Lumber Co.
MADISON—Miller W. H. & Sons
MARION—Byrd Lumber Co.
Contractors' Supply Co.
Marion Hardware Co.
Simpson William S.
Southall Geo. A. & Co.
MARTINSVILLE—Rutledge Hugh E.
MICHIGAN CITY—Gotto O. W.
Michigan City Lumber & Coal Co.
MITCHELL—Mitchell Lime Co.
MONROE—Berne Lumber Co.
MORGANTOWN—Mitchell W. H.
MUNCIE—Holderfield Supply Co.
Muncie Builders' Supply Co.
NEW ALBANY—Slider E. T.
NEW HAVEN—New Haven Lumber & Supply Co.
NORTH LIBERTY—North Liberty Lumber & Coal Co.
NORTH VERNON—N. V. Lumber Co.
PERU—Goodall J. B. & Sons Co.
Peru Lumber Co.
Wilkinson Pomeroy
PETERSBURG—Drof Peter
PLYMOUTH—Morris C. L.
O'Keefe Lumber Co.
POSEYVILLE—Cushman W. D.
RENSSELAER—Day Hiram
Rensselaer Lumber Co.
RICHMOND—Hackman, Klehfoth & Co.
Jones Hardware Co.
Mather Bros. Co.
ROCHESTER—Barcus G. F.
ROCKFIELD—Van Gundy & Thomas
ROCKPORT—Partridge C. M. & W. A.
ROCKVILLE—Dooley Hardware Co.
Roach Wm.
ROSEDALE—Ferguson & Hunt
SHELBYVILLE—Parrish J. O. Lumber Co.
SHERIDAN—Palmer George H.
SOUTH BEND—Defrees C. H.
Eckler Henry Mfg. Co.
Lontz S. C. & Sons
McErlain & Jackson Co.
Staples-Hildebrand Co.
SOUTH WHITLEY—Lee Geo.
SUMMITVILLE — Cartwright Thomas Edgar
TERRE HAUTE—Acme Coal & Lime Co.
Bray Bros.
Reiman Lime & Cement Co.
Hooley I. A. (Cement Contractors)
TOPEKA—Priest J. W.
UNION CITY—Fisher S. J.
Haselmire John J.
Interstate Building Material Co.
VALPARAISO—Dille & Harris
McFetrick Lumber & Coal Co.
VEVAY—Detraz Bros.
VINCENNES—Bosworth M. A. Lumber Co.
WABASH—Smith Hubbard Lumber Co.
Yarnelle Lumber & Coal Co.
WANATAH—Pash Martin
WARREN—Cline Lumber Co.
WINGATE—Hunter W. H.

## IOWA.

ACKLEY—Frudden Lumber Co.
BURLINGTON—Berhard Mercer Co.
Phillips Lime & Coal Co.
Rand Lumber Co.
CEDAR RAPIDS—Fulkerson J. C.
Hawkeye Lumber & Coal Co.
Iowa Stone Co.
King's Crown Plaster Co.
Linn County Lumber & Coal Co.
CHARITON—Stewart G. J. & Co.
CHEROKEE—Weart & Lysaght Co.
CLARINDA—Richardson G. W.
COLUMBUS JUNCTION—Reaney & Eliason
COUNCIL BLUFFS—Bluffs City Lumber & Coal Co.
Hafer C. Lumber Co.
Hoagland Geo. A.
Quinn H. A. Lumber Co.
CRESTON—Green Bay Lumber Co.
DAVENPORT—Abel Lime & Cement Co.
Block W. G. Co.
Builders' Lime & Cement Co.
Davenport Granitoid Co.
Denger Fred
Interstate Material Co.
McCosh & Co.
Mueller Lumber Co.
Seiffert H. O. Lumber Co.
DES MOINES—Cram Frank & Sons
Des Moines Building Material Co.
Des Moines Fuel & Lime Co.
Green Bay Lumber Co.
Jewett Lumber Co.
FAIRFIELD—Cable G. W., Jr.
FORT DODGE—Conway Lumber Co.
Mason & O'Connell
Williams E. H. Lumber Co.
IOWA CITY—Leinbaugh W. F.
IOWA FALLS—Miller-Lampert Co.
KEOKUK—Cameron's Jas. Sons
LE MARS—Moore M. A. Co.
LYONS—Disbraw M. A. & Co.
MARSHALLTOWN — Buchwald Chas. A. Lumber Co.
Citizens Lumber Co.
Gregory Coke Coal & Lime Co.
NEW HAMPTON—Bigelow, Donovan & Hettler
NEWTON—Jasper Lumber Co.
OSKALOOSA—Gilchrist M. D.
OTTUMWA—Tisdale Lumber Co.
SIOUX CITY—McNeil H. C. & Son
Webb Bros Co.
SPENCER—Floete Lumber Co.
WATERLOO—Bartlett & McFarlane
Bryant W. A. & Sons Co.
Canfield Lumber Co.
Chapman C. W. Lbr. Co.
Moore & Moore
Shepherd Lumber Co.
Waterloo Lbr. Co.
WEST UNION—Graham & Schenck

## KANSAS.

ATCHISON—Carlisle-Pennel Lumber Co.
CLEBURNE—Toburen & Co.
ELLSWORTH—Lake Superior Lumber Co.
EMPORIA—Emporia Lumber & Coal Co.
FULTON—Fulton Lumber Co.
HAYS—Schwaller's C. Sons
HOLTON—Brown & Hedge
HUMBOLDT—Osborn J. H. Lumber Co.
HUTCHINSON—Hutchinson Lbr. & Planing Mill Co.
White L. J. Lbr. Co.
IOLA—Klein Paul
Northrup Lbr. Co.
JUNCTION CITY—Geary County Lumber Co.
Moses, Geo. C. & Son
KANSAS CITY—Badger Lumber Co.
Wyandotte Coal & Lime Co.
LEAVENWORTH—Geiger A. M. Cement Co.
McPHERSON—Lake Superior Lumber Co.
Sudendorf H. H.
NEWTON—Newton Lumber Co.
Swartz S. M. Lumber Co.
OBERLIN—Foster Lumber Co.
OTTAWA—Halloren J. Lumber Co.
Harris M. R.
PARSONS—Clark & Bates Lumber Co.
PHILLIPSBURG—Smith Theo. & Son
SALINA—Eberhardt Lumber Co.
Leidigh & Havens Lumber Co.
Sudendorf H. H.
STERLING—Fair D. J. Lumber Co.
Quigley W. M.
TOPEKA—Capital City Vitrified Brick & Paving Co.
VALLEY FALLS—Legler, Mell & Son
WALTON—Moorhead A. R.
WAVERLY—Star Grain & Lumber Co.
WELLSVILLE—Star Grain & Lumber Co.
WICHITA—Turner J. H.

## KENTUCKY.

ASHLAND—Ashland Cement Construction Co.
Ohio Valley Mill & Supply Co.
COVINGTON—Kenton Supply Co.
Spinks T. W. Co.
DAYTON—Walter Anton Supply Co.
GLASGOW—Dickinson Bros.
LEXINGTON—Des Cognets Louis & Co.
Hendricks-Moore Co.
Justice F. T. & Co.
LIVERMORE—Atherton G. W.
LONDON—London Mfg. Co.
LOUISVILLE—Bannon P. Pipe Co.
Kentucky Wall Plaster Co.
Speed J. B. & Co.
Union Cement & Lime Co.
MADISONVILLE—Ruby Lumber Co.
NEWPORT—Allen M. M. Supply Co.
OWENSBORO—Guenther Hardware Co.
PADUCAH—Barry & Henneberger
Katterjohn F. W. Cons. Co.
SHELBYVILLE—Gruber & Doss
Hall & Chowning
Hall & Crume
VANCEBURG—Cox John & Son
VERSAILLES—Berryman C. M.
Wooldridge Bros.

## LOUISIANA.

BOGALUSA—Bogalusa Mill & Supply Co
BREAUX BRIDGE—Begnaud J. W.
BUNKIE—Haas W. D. & Co.
DONALDSONVILLE—Lemann B. & Bro
HAMMOND—Spencer L. D.
JENNINGS—Clarke Chas. A.
LAFAYETTE—Mouton Lumber Co.
LECOMPTE—Wiley E. W., Jr.
MONROE—Monroe Grocer Co. (Ltd.)
Monroe Hardware Co., Ltd.
Southern Grocer Co. (Ltd.)
MORGAN CITY—Dalton Jno. Co. (Ltd.)
Loeb Leopold & Sons
NEW ORLEANS — Carolina Portland Cement Co., Clara & Erato
Clarke J. J. Co., Ltd., 1111 Julia
Demourelle Jas. & Sons, 1035 Tolouse
Feitel Maurice, 3722 Tulane av
Ford F. Codman, 738 Union
Garnier Emile, 1601 N Robertson
Jahncke Service, Inc., 814 Howard
Judlin Peter, 2331 N Ramport
Kearny J. Watts & Sons, 514 S Peters
Kracke & Flanders Co., 819 Julia
Orleans Demolishing Supply Co., 411 W Ramport
Prados Henry J. & Son, 1426 Hospital
Roca Joseph V. Lumber & Hardware Co., 1533 Carondelet Wlk
Thompson Edward, 916 Thayer
Tupper Allen, 625 S Peters
Woodward, Wight & Co. Ltd., Howard av & Constance
Zimmermann Building Specialty Co., (Ltd.), 2131 Magazine
SHREVEPORT—Ardis & Co. (Ltd.)
Builders Supply Co.
Henderson W. K. Iron Works & Supply Co.
Hicks Co. (Ltd.)
Lee Hardware Co. (Ltd.)

## MAINE.

AUGUSTA—Purinton Bros. Co.
BANGOR—Cassidy Jno. & Son
Dunning R. B. & Co.
Eastern Cement Co.
BATH—Nichols Read Co.
BELFAST—Cooper & Co.
BENTON STATION—Brown, J. E.
BIDDEFORD—Banks Bros.
BLUE HILL—Westcott W. B.
CAMDEN—Camden Lumber Co.
CUMBERLAND MILLS—Goff E. W.
HALLOWELL—Wingate Frank S.
LEWISTON—Hall & Knight Hardware Co.
Hayes J. L. & Co.
OLDTOWN—Dickey H. M.
Old Town Supply Co.
PORTLAND—Chase Charles S. Co.
ROCKLAND—Glover W. H. Co.
Spear F. R.
ROCKPORT—Bryant Edw. Co.
WATERVILLE—Flood Geo. S. & Co.
WESTBROOK—Brooks E. S.

## MARYLAND.

ANNAPOLIS—Gardiner W. B. Co.
Martin C. W. Co.
Parlett & Partlett Co.
BALTIMORE—Bullock John S. Lime & Cement Co., Westwood & Whitmore av.
Eareckson Wm. M., 814 N Stricker
Eastern Supply Co., Phila. rd & 8th
Elenbrok Caroline, 2104 Fkd. av.
Franklin Contracting Co., 1504 W Sara
Gault Wm. A. & Son, 9 E Lexington
Green Robert S., 3232 Frkd. av ext

MARYLAND—Baltimore—continued
Hudson Cement & Supply Co., Westwood & Whitmore av.
Maryland Lime & Cement Co. (All Kinds), 443 S. Central av.
National Building Supply Co., North av & Oak
N. Eastern General Supply Co., 1001 N Patterson-Park av
Spengemann Bros., 304 N Central av
Sunner & Gerlach, 1401 N Regester
BEL AIR—McComas Bros.
BROOKLYN—Geis Jno. H. & Co.
EASTON—Dixon Robert B. & Co.
ELLICOTT CITY—Talbott E. A.
FREDERICK—Maryland Brick & Supply Co.
HAGERSTOWN—Cushwa Victor & Sons
LAUREL—Shaffer C. F. Lumber Co.
Waters Geo. W. Co.
WILLIAMSPORT—Cushwa Victor & Sons

## MASSACHUSETTS.

ARLINGTON—Pierce & Winn Co.
ATHOL—Paige C. F. & Co.
ATTLEBORO—Ashley M. F. & Co.
Carpenter Coal & Lumber Co.
BEVERLY—Harrigan John J.
New England Fuel & Transportation Co.
BOSTON—Berry & Ferguson, 159 Devonshire
Boston Building Materials Co., 370 Albany
Bryant Edw. Co., 23 Central
Curtis & Pope Lumber Co., 774 Albany
Eastern Clay Goods Co., 141 Milk
Fiske & Co., 25 Arch
Hannon F. J., 146 Summer
Harlow William H. & Sons, 95 Pierce
Lash A. F. Co., 25 D
Lewis D. W. Co., 120 Milk
Mullen W. B., 166 Devonshire
Norcross W. C. Co., 486 Albany
O'Connell J. P. & Co., 174 Freeport
Portland Stone Ware Co., 49 Federal
Ramsay John W., 161 Devonshire
Rockland & Rockport Lime Co., 45 Milk
Spiers Brick Co., 79 Milk
Starrett, Fields Co., 809 Mass. av
Stetson, Cutler & Co. (Lime), 70 Kilby
Waldo Bros. & Bond Co., 181 Congress
Weston W. M. Co., 120 Milk
Windsor Cement Co., 446 Albany
BROCKTON—Mitchell Isam & Co.
CAMBRIDGE—Clark Bros.
Mass. Lime & Cement Co.
CHELSEA—Chelsea Coal & Cement Co.
Phillips & Hodgdon
CLINTON—Fuller Wm. A.
DANVERS—Ropes Bros.
DEDHAM—Fisher, Churchill Co.
FALL RIVER—Borden, Guiney & Kendall Co.
Borden & Remington Co.
Neill J. O. Hardware Co.
Staples Coal Co.
Wilson Jas. H.
FITCHBURG—Dillon D. M. Steam Boiler Wks.
Fitchburg Hardware Co.
FRAMINGHAM—Framingham Coal Co.
Framingham Lumber Co.
Standard Coal Co.
Swan A. D.
FRANKLIN—Metcalf O. F. & Sons
GARDNER—Davis Hardware Co.
Favor Frank M.
GLOUCESTER—Cape Ann Lumber Co.
Griffin & Co.
Nauss L. B. Sons
HAVERHILL—Chase D. D. Lumber Co.
Taylor-Goodwin Co
HINGHAM—Kimball Geo. E.
Whitney Everett E.
HOLYOKE—Burnham C. G.
Lynch Bros. Brick Co.
O'Connell's D. Sons
Prentiss, Brooks & Co.
Ranger Casper Lumber Co.
HUDSON—Robertson & Larkin
HYDE PARK—Darling F. W. Co.
LAWRENCE—Gage G. L., 263 Common
Lawrence Lumber Co.
O'Mahoney M. Co.
Runnells O. E.
Theberge Bros.
Treat Hdw. & Supply Co.
LEE—Heaphy Wm. A.
LOWELL—Barton Cyrus
Bennett Jno. C.
Cawley Edward
Conners Bros. Co.
Mullin Jos.
Sherman-Moore Co.
Staples Bros.
Sullivan D. T.
Wilson E. A. & Co.
LUDLOW—Burr & Munsing
LYNN—Lamper J. B. & W. A.
Peoples Coal & Masons' Supply Co.
Whittredge W. C. & Co.
MALDEN—Jordan Lumber Co.
Kaulback W. S.
Locke Coal Co.
Malden City Lumber Co.
Neville Thos. J.
MARBLEHEAD—Martin J. S. Co.
MEDFORD—Cowin J. N. & Co.
MELROSE—Benson Coal Co.
Goss C. B. & F. H.
MILFORD—Curtiss Harold M. Coal Co.
NANTUCKET—Swain William T. & Co.
NATICK—Robinson & Jones Co.
Whitney E. & Co.
NEPONSET—(See Boston)
NEW BEDFORD—Denault Moses & T. Arthur
Greene & Wood
Paine S. S. & Bro.
Paisler & Willis
NEWTONVILLE—Nonantum Coal Co.
NORTH ADAMS—Burlingame & Darby Co.
NORTHAMPTON—Bailey A.
Sullivan J. A. & Co.
ORANGE—Orange Hdw. Co.
Potter A. D.
PALMER—Flynt Building & Construction Co.
PITTSFIELD—Gamwell C. C.
Howard Frank
PLYMOUTH—Atwood Anthony
Atwood-Robbins Lumber Co.
Sampson Ernest L.
PROVINCETOWN—Days F. A. & Sons
Dyer B. H. & Co.
QUINCY—Crane F. H. & Sons
Richards A. J. & Son
READING—Bancroft, Wendell & Co.
ROCKLAND—Culver A. Co.
SALEM—Langmaid J. P. & Sons, 311 Derby
Waters & Brown
SHELBURNE FALLS—Newell H. & Co.
SOMERVILLE—Highland Coal Co.
Sparrow E. S. & Co.
SOUTHBRIDGE—Winter G. C.
SPRINGFIELD—Puffer H. C. Co.
Shea T.
Springfield Contractors' Supply Co.
TAUNTON—Presbrey Stove Lining Co.
Sanders Lumber Co.
Staples Coal Co.
TURNERS FALLS—Webster F. I.
UXBRIDGE—Harris William M.
WAKEFIELD—Curley Bros.
Fendel H. A.
Knox W. E.
WALTHAM—Buttrick Lumber Co.
Carney J. Coal Co.
Waltham Coal Co.
WAREHAM—Greer Edwin K.
Gurney Ansel S. & Co.
WATERTOWN—Pevear W. H. & Co.
Watertown Lumber Co.
WESTFIELD—Gladwin & Lane
Mahoney P. J.
WEST NEWTON—Eddy C. F. Co.
WEST STOCKBRIDGE—Grangers Lime Co.
New England Lime Co.
Tobey Lime Co.
WINCHESTER—Blanchard George W. & Co.
WOBURN—Barker Lumber Co.
WORCESTER—Marsh B. F. Co.
Powers Frank E. Co.
Smith, Green Co.
Streeter & Sons Co.

## MICHIGAN.

ADRIAN—Matthes Bros.
Stevenson F. A.
ALBION—Gibbs & Sanders
ANN ARBOR—Rohde W. H. L.
BANGOR—Broadwell William M.
BATTLE CREEK—Kirkpatrick W. J.
Stiles I. H.
BAY CITY—Chute Coal & Supply Co.
Williams A. S. & Co.
BENTON HARBOR—Robbins W. P.
BESSEMER—Hansen Cornelius
BIG RAPIDS—Sloss Wm. J. & Son
BRIGHTON—Hyne F. T. & Son
CARO—Van Tine G. N.
CARSON CITY—Rockafellow Grain Co.
CASSOPOLIS—Hayden W. B. & Sons Co.
COLDWATER—Pollock S. & Son
COLEMAN—Simons T. B. Mercantile Co.
DEARBORN—Wallace M. B.
DETROIT—Boomer I. E., New Telegram bldg
Brown & Brown Coal Co., 269 Grand River
Calvert's J. Sons, McGraw bldg.
City Concrete & Coal Co., 936 Woodward av
Cooper A. & W., 1318 Gratiot av
Dickinson H. H. Builders Supply Co., 1140 14th av
Gregg Hardware Co., 44 Cadillac sq
Goddard F. H., 520 Franklin
Heames W. E. & Co.
Holmes F. B. & Co., 3rd & York
Kennedy J. D. & Co., Dime Bank bldg
Little Chas. H. Co., Dock River Rouge
McGraw Plaster Co., Free Press bldg
Meyer R. M., 3010 Jefferson av W
Michigan Builders Supply Co., 208 E Hancock
Sibley F. M. Lumber Co., Kercheval & Beaufait
Steffes M. Son, Penobscot bldg
Stevens Frederic B., 3rd & Larned
*See adv index at end of book*
Thomas Bros. & Co., Ltd., 406 Empire
DOWAGIAC—Judd Wm. F.
EATON RAPIDS—Webster H. P. & Sons
ESCANABA—Nee Coleman
FLINT—Dain & Vermilya M.
Flint Coal Co.
Matthewson Fred G.
Randall Lumber & Coal Co.
FOWLERVILLE—Rounsville F. G.
GRAND LEDGE—Astley T. W.
Doty & Doty
GRAND RAPIDS—Battjes Fuel & Building Material Co.
Boer James
Himes Albert Coal Co.
Home Fuel Co.
Hulst & Van Heulen Fuel Co.
Hyde Albert & Son
Knowlson A. B. Co.
Morman S. A. & Co.
Wykes-Schroeder Co.
HILLSDALE—Aldrich G. A. & Co.
HOLLY—Hudson M. M.
HOUGHTON—Van Orden Matthew Co.
HUDSONVILLE—Hughes B. & T. (Also Saw Mill)
IMLAY CITY—Walker Walter & Co.
IONIA—Page W. C. Wirtz Co.
IRON MOUNTAIN—Holfeltz J. R. Co.
ISHPEMING—Consolidated Fuel & Lbr. Co.
JACKSON—Bartlett J. E. Co.
Lake Robert Co.
Wilcox Stanley
KALAMAZOO—Darling Wm. P.
Dewing & Sons
Sales James A.
LAPEER—Cutting Frank R.
MANISTEE—Buckley & Douglass Lumber Co.
MANISTIQUE—White Marble Lime Co.
MARQUETTE—De Haas N. G. (wholesale jobbers)
MASON—Mickelson Carl P.
MENOMINEE—Lyon Bros.
MONROE—Hurd Geo. R. Co.
Radtke Lumber & Supply Co.
MOUNT CLEMENS—Paganetti J. S. Co.
Ullrich R. C. Hardware Co.
NEW BALTIMORE—Baker William
NILES—Smith C. R.
OTSEGO—Oliver Wm.
OWOSSO—Sturtevant & Blood Co.
PAW PAW—Waters H. C. & Co.
PONTIAC—Richmond-Dewey Co.
PORT HURON—Cruickshank A. G.
PORTLAND—Estep Chas. A. & Son
QUINCY—Kinyon E. H.
REED CITY—Welsh & Kerry Co.
SAGINAW—Remer Bros.
ST. JOSEPH—Wallace John Sons Co.
SEBEWAING—Sebewaing Sandstone Brick Co
SOUTH ROCKWOOD—Strong John Co.
TRAVERSE CITY—Hannah & Lay Mercantile Co.
TRENTON—Mans Nicholas A.
WALDRON—Abbaduska E. T.
WHITE PIGEON—Driesbach F. C. & Son
WYANDOTTE—Eberts Bros. Co.
YALE—Wharton & Co.
YPSILANTI—Thompson O. E. & Sons

## MINNESOTA.

ADRIAN—Becker J. C.
ALEXANDRIA—Page L. A. Lumber Co.
ANOKA—McCauley George A.
BLOOMING PRAIRIE—Solberg A. Lumber Co.
DULUTH—Cutler Magner Co.
Dunlop-Moore Co.
LITCHFIELD—Ebjornsson John
MANKATO—Fowler & Pay
MILAN—Anderson T.
MINNEAPOLIS—Citizens' Lumber Co.
Fowler & Pay, Security Bank bldg
Landers, Morrison & Christenson Co., Builders Exchange
McDonald John F. Lumber Corp., Lumber Exchange
Red Diamond Lumber Co., 1200 Central av
Ross M. W. Lumber Co.
Speakes P. G. Co., 2845 Second av, S
St. Milaire Retail Lumber Co.
United States Gypsum Co., Lumber Exchange
Universal Portland Cement Co., 2d Bank bldg
NEW ULM—Bingham Bros.
NORTHFIELD—Reilly & Lathrop
PELICAN RAPIDS—Stenerson Bros.
ROCHESTER—Dodge Lumber & Fuel Co.
ST. CLOUD—Gruber & Co.
ST. PAUL—Capital City Lime & Cement Co., Starkey & Indiana
Dana Warehouse Co., 271 Snelling av N
Lott K. F. & Co., 101 E 8th
Northwestern Lime Co., Ryan bldg
Pearce J. F. & Son, Ft. Eagle
St. Paul Lime & Cement Co., Ryan bldg
Shakopee Cement Lime Mfg. Co., 220 Chestnut
Spates S. P. & Co.
SHAKOPEE—Schroeder Brick & Lime Co.
STILLWATER—Consolidated Lumber Co.
Kilty Jno. J.
WARREN—Robertson Lumber Co.
WINDOM—Strunk Sherwin Co.
WINONA—O'Dea John
Standard Lumber Co.
Stevenson Coal Co.
Willis H. J.

## MISSISSIPPI.

JACKSON—Jackson Lumber Co.
VICKSBURG—Edwards C. J. Co.
Perry Grain & Cement Co.

## MISSOURI.

BEVIER—Rowland Bros.
BOONVILLE—Burger Wm.
Lohse M. & Son
BUTLER—Wyatt H. S.
CARTHAGE—Home Lumber Co.
Thomas B. F. Lumber Co.
FARMINGTON—Lang & Bro., Mfg & Mercantile Co.
Tetley-Klein Lumber Co.
FAYETTE—La Crosse Lumber Co.
FREDERICKTOWN—Fredericktown Lumber Co.
FULTON—Callaway Hardware Co.
HANNIBAL—Hannibal Lime Co.
HOLDEN—Starkey I. (Est. of)
JOPLIN—Chickering H. L.
KANSAS CITY—Badger Lumber Co.
Brockett C .A. Cement Co., 121 W 8th
Builders' Material Supply Co., Republic bldg
Clark & Bates Lumber Co., Commerce bldg
Deatherage Ben. S. Lumber Co., 403 R. A. Long bldg
Dickey W. S. Clay Mfg. Co., N. Y. Life bldg
Eadie Building Supply Co., Scarritt bldg
Lehigh Portland Cement Co., Commerce bldg
Leidigh & Haven Co., R. A. Long bldg
Merrill J. W. Lumber Co., Southwest blvd & Summit
Stephens Supply Co., Bryant bldg
Union Portland Cement, Republic bldg
Westport Lime & Cement Co., 121 W 8th
LEXINGTON—Moorehead J. R. Lumber Co.
LOUISIANA—La Crosse Lumber Co.
NEOSHO—Briggs Hardware Co.
STE. GENEVIEVE—Ste. Genevieve Lime & Quarry Co.
ST. JOSEPH—Badger Lumber Co.
Biles N. D. & Co.
Doughterty & Moss Lumber Co.
Hesse Building Material Co.
Mannan-Smith Supply Co.
Nold C. H. Lumber Co.
St. Joseph Lumber Co.
ST. LOUIS—Banner Coal & Sand Co., R. I. & Wabash & Euclid
Carthage Marble & White Lime Co., Chouteau & Vendeventer avs
Contracting & Supply Co., 816 Olive
Glencoe Lime & Cement Co., Syndicate Tr. bldg
Hunkins-Willis Lime & Cement Co., Century bldg
SEDALIA—Babcock Lumber Co.
Johns S. P. & Sons
Looney & Bloess Lumber Co.
Sturges Lumber Co.
SPRINGFIELD—Horton Stone Co.
Landers Lumber & Cement Co.
Springfield Plg. Mill, Lumber & Const. Co.
Springfield Stone & Fuel Co.
Timmons Lumber Co.
Williams T. E. Lumber & Mfg. Co.
TIPTON—Ferguson Wm. M.
Schmidt Wm. & Co.
WINDSOR—Hayden Hardware Co.

## MONTANA.

ANACONDA—Anaconda Copper Mining Co.
Stagg J. P.
GREAT FALLS—Graham & Ross Mercantile Co.
Great Falls Lumber Co.
Murphy-McClay Hardware Co.
HELENA—Holter A. M. Hdw. Co.
Sanford-Evans Co.

## NEBRASKA.

BEATRICE—Von Steen J. H. Co. (Wholesale)
FREMONT—Nye-Schneider-Fowler Co.
GENEVA—Koehler A. Co.
GOTHENBURG—West E. G.
GRAND ISLAND—Harrison W. H. Co.
HASTINGS—Western Brick & Supply Co.
HUMBOLDT—Philpot Lumber Co.
KEARNEY—Gilcrest F. H. Lumber Co.
LAUREL—Johnson Evers & Co.
LINCOLN—Dierks Lumber & Coal Co.
Searle & Chapin Lumber Co.
Whitebreast Coal & Lumber Co.
NEBRASKA CITY—Bischof's Wm. Sons
NORFOLK—Chicago Lumber Co.
OMAHA—Adams & Kelly Co.
Bullard Hoagland & Benedict
Cady H. F. Lumber Co.
Chicago Lumber Co.
Disbrow M. A. & Co.
Guiou Lumber Co.
Hampton Lumber Co.
Hoagland G. A. & Co.
Hull C. W. Co.
Sunderland Bros. Co.
SOUTH OMAHA—Bradford-Kennedy Co.
Bradford Louis Lumber Co.
Howland E. H. Lumber & Coal Co.
Watkins J. B. & Co.
TEKAMAH—Houston E. C. Lumber Co.

## NEW HAMPSHIRE.

BRISTOL—Merrill C. N. & Son
CLAREMONT—Osgood E. B.
CONCORD—Dickerman & Co.
EXETER—Smith L. B. & Sons
FRANKLIN—Stevens C. P.
KEENE—Knowlton & Stone Co.
Spencer Hardware Co.
Woods C. E. & Son
LANCASTER—Moore L. F.
Smith Frank Co.
MANCHESTER—Muir John
NASHUA—Shedd W. A. & Co.
NEWPORT—Rowell F. P.
NORTH CONWAY—Gibson J. L.
PORTSMOUTH—Broughton J. H.
Walker C. E. & Co.
SOMERSWORTH—Somersworth Grain Co.
TROY—Kimball E. P. & Son

## NEW JERSEY.

ASBURY PARK—Buchanon & Smock Lbr. Co.
Consumers' Coal & Supply Co.
Farmer Coal & Supply Co.
ATLANTIC CITY—Borton Coal & Trading Co.
Cunningham A. W. & Co.
BAYONNE—Booth A. W. & Bro.
Brady's James Sons Co.
Meyer & Ruh Co.
O'Connor Peter
BLOOMFIELD—Bloomfield Coal & Supply Co.,
Ogden & Cadmus
BOONTON—Salmon Henry & Son
BORDENTOWN—Chamberlain John G.
Shreve W. A. & Co.
BOUNDBROOK—Cook L. D. Co.
BRIDGETON—Hankins H. H. & Bro.
CAMDEN—Camden Lime Co.
Justice Coal & Lime Co.
Taylor Bros.
CAPE MAY COURT HOUSE—Tyler W
COOKSTOWN—Hancock J. B.
CRESSKILL—Cresskill Lumber Co.
DOVER—Birch & Bassett
Dover Lumber Co.
EAST ORANGE—Builders' Material S ply Co.
Pierson James W. Co.
EDGEWATER—Hinner's E. H. Sons
EGG HARBOR—Rupp Harry R.
ELIZABETH—Enterprise Coal & Supply Co.
Gold P. & Co.
Hall & Carlton
Mulford Coal & Lumber Co.
Neureitter & Horre
Sayre T. F. & H. C.
Smith Lime, Flour Co.
Standard Building Material Co.
Thompson J. & S. S.
ENGLEWOOD—Payson George H
Prentice Co.
Tuttle Bros.
FAR HILLS—Ludlow L. V. & Co.
FREEHOLD—Statesir Lumber Co.
GLADSTONE—Tiger Ellis Co.
GLOUCESTER—Stinson & Dickinsheets
GUTTENBERG—Gardner & Meeks Co
HACKENSACK—Gardner I. E.
Hackensack Coal & Lumber Co.
HARRISON—Harper David
HOBOKEN—Lehigh Coal & Supply Co.
Vanderbilt E. D. Co.
JAMESBURG—Perrine & Buckelow
JERSEY CITY—Baldwin Lumber Co., Garfield av
Conlon & Co., 270 Provost
Glassford & Dodd (Sewer Pipe, etc), 6th
Hall J. P., 588 Central av
O'Neill Lumber Co., Jersey av
Washburn Bros. Co., ft of Jersey av
KENVIL—Kenvil Lumber & Store Co.
LAKEWOOD—Larrabee Albert S. (Est.)
LAMBERTVILLE—Massey Geo. W.
LITTLE FALLS—Klotz E. L.
LONG BRANCH—Chandler & Maps
Lacour Crammer & Co.
MADISON—Bruen & Morris
Green & Pierson
Smith Joseph M. Co.
MANASQUAN—Vanleer E. S.
MATAWAN—Cartan & Delvin
METUCHEN—Edgar Chas. S.
Freeman Manning & Son
MILLVILLE—Kimball & Prince Lumber Co.
MONMOUTH JUNCTION—Stout A. F. & Son
MONTCLAIR—Builders' Material Supply Co.
Persons W. O.
MORRISTOWN—Ennis C. W. & Co.
NETCONG—Drake, Bostedo Co.
NEWARK—Abbey W. B., Essex bdg
Bowden Fred'k (Sewer Pipe, etc), 218 Orange
Builders' Material Supply Co., Center
Cook & Genung Co., 16 Jersey
Lenox Building Supply Co., 27 Clinton
Newark Sand Co., ft Center
Ogden Henry E. & Sons Co. (Sewer Pipe, etc.), 428 Clinton
Perry G. F. & Sons, 261 Fabyan pl
Phillips White Rock Lime Co., 125 Front
Reeve Abner S. & Sons, 88 Front
Reid A. S. & Co., 786 Broad
Sayre Jas. R. Jr. & Co., River
Tomkins Bros., 74 Passaic
Townley C. E. 149 Vernon av
Van Keuren & Son, 501 Passaic av
Wolf Chas., 204 Waverley av & Peshine
Woodward A. H. Co., 128 Passaic
NEW BRUNSWICK—Howell Lumber Co.
Rolfe Building Materials Co.
Welsh P M.
NEWTON—Hopkins S. H.
ORANGE—Conover Bros.

NEW JERSEY—continued
OCEAN CITY—Shoemaker C. H. Lumber Co.
PALISADES PARK—Palisades Park Lumber & Supply Co.
Parkyn & Sons
PASSAIC—Anderson Lumber Co.
Campbell, Morrell & Co.
Union Building & Cons. Co.
PATERSON—Agnew John Co.
Rodrock E. M. Co.
Sharpe Jos. Construction Co.
Smith A. H.
Stiles E. M.
Trimble Coal Co.
'ENNS GROVE—Barber, H. S.
ERTH AMBOY—Donnell W. J. Lumber Co.
Langan Thomas Lumber Co.
Robbins I. R.
PLAINFIELD—Boice, Runyon Co.
Loizeaux Joshua D. Lumber Co.
PLEASANTVILLE—Lake & Risley Co.
POINT PLEASANT—Vannote Lumber Co.
RAHWAY—Friese G. M.
RIDGEFIELD PARK—Brewster & Son
RIVER EDGE—Bogert A. Z. & Bro.
RIVERSIDE—Zurbrugg August
RIVERTON—Evans Jos. T.
ROCKAWAY—Stickle G. W.
ROSELLE—Bachman-Veghte Co.
Ridgeway Wilbur J.
SALEM—Lippincott Clement G.
SECAUCUS—Schmitt Jacob
SOMERVILLE—Sargeant Bros.
SOUTH AMBOY—South Amboy Lumber & Supply Co.
SOUTH ORANGE—Halsey H. B. Co.
SOUTH RIVER—Clayton Lumber Co.
SUMMIT—Miller T. B. Co.
Muchmore George V.
Stephens Bros.
SWEDESBORO—McCullough H.
TENAFLY—Demarest Edwin
TOMS RIVER—Brant A. A. Lumber Co.
TRENTON—Heath Samuel Co.
Hunt James B. Mfg. Co.
Richardson Jos. B. & Sons
Richardson P. B.
VINELAND—Kimball & Prince Lumber Co.
WASHINGTON—Alleger's E. W. Son
WESTFIELD—Irving J. S.
Tuttle Bros.
WOODSTOWN—Hitchner & Bassett
Woodstown Ice & Cold Storage Co.

## NEW MEXICO.

ALBUQUERQUE—Baldridge J. C. Lumber Co.
SANTE FE—Hersch Leo

## NEW YORK.

ADAMS CENTER—Maxson E. C. & Son
ALBANY—Batchelder R. C.
Blackburn J. T. D.
Dwight H. A.
Fuller & Co.
Helderberg Cement Co.
Jackson John H. Tile Co.
Leonard Co.
McCabe Peter
AMENIA—Wilson & Eaton Co.
AMSTERDAM—Grieme, H. C. Co. (Est. of)
ASTORIA—(See Long Island City, Borough of Queens)
ATHENS—Howland & Son
AUBURN—Clark Lumber Co.
McCarthy Bros.
BALDWINSVILLE—Tappan W. H.
Voorhees J. S. & Co.
BARKER—Lum L. C.
BATAVIA—Dawson William E.
BATH—Bowes H. W.
BEACON—Davidson S. M. Co.
BINGHAMTON—Atlas Coal & Supply Co. (Brick, Cement, Sewer Pipe, etc)
Ballard J. W. Co.
Bartlett & Co.
BUFFALO—Black John H. Co. (Mfrs.' Agent), Court & Pearl
Bray & Lukens Co., 861 E Eagle
Buffalo Cement Co., 110 Franklin
Buffalo Paragon Wall Plaster Co., Ellicott sq
Carroll Bros. (Sand, etc), Ellicott sq
Carroll J. E. Sand Co., White bldg.
Empire Limestone Co., 19 Hudson
King J. B. & Co., 322 W Genesee
Lyth A. & Sons Co., 48 W Eagle
Newman's Akron Cement Co., 141 Erie
Reeb M. A. Corp., 599 Michigan av
Ross James H., 141 Erie
Thorn Cement Co., Prudential bldg
CANANDAIGUA—Davidson Alex.
Hollis A. M. & Co.
Thompson George T.
CATSKILL—Raynor A.
Timmerman P. V. R.
CHARLOTTE—Charlotte Coal & Supply Co.
CHATHAM—Boright John W. Lumber Co.
CLINTON—Allen H. J. (Est.)
CLYDE—Corrigan & John
COHOES—Dooley Jas. J. & Sons
COLLEGE POINT—(See New York City, Borough of Queens)
CORNING—Maltby W. H. & Sons
CORTLAND—Beers & Warfield
Maxson & Starin
CUTCHOGUE—Goldsmith & Tuthill
DUNKIRK—Hamilton S. M. Co.
EAST AURORA—Gelb William H.
Griggs & Ball Co.
EAST HAMPTON—East Hampton Lumber & Coal Co.
EDEN—Redfield & Davis
ELMIRA—Fisk H. A. & Co.
FAIRPORT—Fairport Lumber & Coal Co.
FAYETTEVILLE—Bangs-Gaynor Cement & Plaster Co.
FLORIDA—Roe Bros.
FLUSHING—(See New York City, Borough of Queens)
FREDONIA—Cobb John P.
Cooke F. E.
GENESEO—Neff N. W. & C. D.
GENEVA—Beard J. H.
Dwyer J. Frank
Ontario Coal Co.
Rogers R. J. Lumber Co.
GLEN COVE—Titus & Bowne
GOSHEN—Conklin & Cummins
GOUVERNEUR—Corbin W. S
Noble H. H.
GOWANDA—Van Deusen J. E.
GREEN ISLAND—Smith M.
HASTINGS-UPON-HUDSON — Thompkin & Bevers
HAVERSTRAW—Allison & Vervalen Coal & Lumber Co.
Lane Charles R.
HEMPSTEAD—Mollineaux Bros.
HERKIMER—Palmer C. W. & Co.
Pelton Bros.
Snell C. R. & Sons Co.
HILLSDALE—Herrington Ed.
HOLLAND—Griggs Ichabod N. & Son
HOLLEY—Murphy John
HOMER—Maxson & Starin
HOPEWELL JUNCTION—Hopewell Lumber Co.
HORNELL—Hollands Stephen & Sons
HUDSON—Macy Charles W. Co.
HUNTER—Ham E. A.
HUNTINGTON—Wood W. Wilton
HURLEYVILLE—Prince W. J. & Son.
HYDE PARK—Van Wagner Geo. E. B.
IRONDEQUOIT—Irondequoit Coal & Supply Co.
ISLIP—Abrew John L.
ITHACA—Driscoll Bros. & Co. (Wholesale)
Edwards O. D.
JAMESTOWN—Chautauqua Refrigerating Co.
Jamestown Construction Co.
Johnson Ice Co.
Shedd L. F.
Van Dervoort Supply Co.
KINGSTON—Darling Walter S.
Gill David Jr.
Griffith Frank H.
LACKAWANNA—West Seneca Lumber Co.
LAKE PLACID—Lake Placid Lumber & Supply Co.
LAWRENCE—Wood John A. & Son Co.
LESTERSHIRE—Baldwin Edwin L.
LIMA—O'Neill Wm. A.
LOCKPORT—Crowe Michael J.
Stainthorpe C. N. & Co.
Whitmore C. B. Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)
LYONS—Lockwood B. F.
MACEDON—Servoss Chas. J.
MALONE—Thompson H. D. & Co.
MAMARONECK—Brewer R. G.
Moffatt, L.
MATTITUCK—Penny George L.
MECHANICSVILLE—Robinson W. A.
MIDDLEBURG—Petchtle Emmet
MIDDLEPORT—Jackson Thomas W.
MIDDLETOWN—Ketchum D. A. (Est.)
MONTGOMERY—Vanderoef John J. & Son
Wait Charles D.
MONTICELLO—Osborn & Son
MOUNT KISCO—Young & Halstead Co.
MOUNT VERNON—Burton & Fenton
Wilson & Adams Co.
NEWARK—Bartle A. C. Lumber Co.
NEW BRIGHTON—(See New York City, Borough of Richmond)
NEWBURGH—Atlas Building Material Co.
Convery's John P. Sons
Harrison & Curtis
Wilson Samuel A.
NEW PALTZ—Le Fevre A. P.
NEW ROCHELLE—Mahlstedt J. A. Lumber & Coal Co.
New Rochelle Coal & Lumber Co.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Bannon P. & Sons (Sand, etc), 129 Richards
Braun & Howe, 66 Huron
Canda M. M.,, 184 3d
Castle Bros., Johnson pl
Clarke Audley Co., 527 Smith
Colyer Jos. H. & Son, 531 Nostrand av
Creamer F. D. & Co., 26 Court
Duffy J. P. Co., 51st & 2d av
Empire Brick & Supply Co., Morgan av
Gutherman J. J., 32 Chester
Mahnken Building Material Co., Varick av
Morton's John Sons Co., 387 Carroll
Sullivan J. T., 2360 Fulton

### Boroughs of Manhattan and Bronx.

See also Cement Manufacturers
NEW YORK—Bell Jno. Co., E 138th & Gerard av
Builders Brick & Supply Co., 172nd & West Farms rd
Cable W. N., 200 5th av
Candee, Smith & Howland Co., ft E 26th
Darrow's Rufus Son, 618 W 49th
Empire Brick & Supply Co., 103 Park av
Fleming & Co., 253 B'way
Fredenburg & Lounsbury (Front & Ornamental Brick & Cement), 381 4th av
Heaney P. J. Co., West Farms rd & 172nd
Hoag Wm. M., 120 Liberty
Hookey W. T. & Sons Co., 227 E 129th
Kane John P. Co., 103 Park av
King C. Volney, 517 West
King J. B. & Co., 17 State
McCarthy John A. & Bro., 551 Exterior
Miller Clifford L. (West Stockbridge Lime; Dry Mixed Mortar: Cement; Plaster, etc), 280 Madison av
Morse Frank E. Co., 17 State
Murtagh Chas. E., ft Rivington
Murtha & Schmoll Co., 814 E 14th
Overbaugh-Camp Co., Morris Dock
Palmer Lime & Cement Co., 103 Park av
Peck N. & W. J. Co., 428 E 48th
Philbrick John A. & Bros.. ft E 97th
Raymond G. B. & Co. (Clay Materials), 3060 Webster av
Smith Clarence L. Co., 30th & 11th av
Tomkins Bros. (Sewer Pipe), 8 W 40th
Warner Chas. Co. (Wholesale), 18 E 41st
Wood Theo. C., 613 Greenwich

### Borough of Queens.

COLLEGE POINT—Kraemer Bros.
FLUSHING—Copp C. W., James
Ryon Augustus M., 96 Main
JAMAICA—Syles Thos., 59 Flushing av
LONG ISLAND CITY—Clonin & Messenger, ft Camelia
Pfeffer Jacob, 10 Vernon av
Raymond G. B. & Co. (Clay Products), 293 Borden av
OCEANUS—Jamieson & Bond Co., Bond av
OZONE PARK—Reimer Jno. B.
RICHMOND HILL—Solms Geo. Co., Maure av

### Borough of Richmond.

PRINCES BAY — Seguine-Runyon-Stiles Co., ft Main
STAPLETON—Thompson Jas. & Sons, Bay

**(End of New York City)**

NIAGARA FALLS—Humbert Wm. S.
Niagara Falls Builders' Supply Co.
NORTH TONAWANDA—Rose H. A. (Est. of)

NYACK—Gregory & Sherman
White W. H. Co.
OCEANUS—(See New York City, Borough of Queens)
OGDENSBURGH—Barr John
Britton W. D. Hardware Co.
Hackett P. Hardware Co.
OLEAN—Taylor B. U. Co.
ONEIDA—Marcellus Geo. A.
Ruby R. B.
ONEONTA—Briggs Lumber Co.
Butts L. P.
OSSINING—Terwilliger's I Son
OSWEGO—Farwell J. B. & Co.
OWEGO—Farmers' & Builders' Supply Co.
Richardson F. W.
PATCHOGUE—Bailey E. & Sons
PEARL RIVER—Serven Lumber & Coal Co., Inc.
PEEKSKILL—Dains' N. Sons Co.
PERRY—Hawley Produce & Storage Co.
PHILADELPHIA—Clark Gardner
PIERMONT—Walsh & Reichling
PLATTSBURG—Purdy Frank M.
PLEASANTVILLE—Cornell Lumber Co.
PORTCHESTER—Ryan William Co.
Tibbits Charles H.
PORT JERVIS—Westbrook Edw. S. & Son
PORT RICHMOND—(See New York City, Borough of Richmond)
POTSDAM—Weed F. A. Hardware Co.
POUGHKEEPSIE—Arnold C. N. Co.
Lumb's Levi Son
McCann J. J.
Taylor Jas. L. Mfg. Co. (Steel Staging & Shingling Brackets)
Wilbur Co.
PRINCE BAY—(See New York City, Borough of Richmond)
RANDOLPH—Felt & Almy
RICHMONDVILLE—Harroway M. W.
RIPLEY—Crandall J. E.
RIVERHEAD—Corwin & Vail Lumber Co.
ROCHESTER—Building Specialties Co. Inc.
Oliver Thomas (Est. of)
Rochester Lime Co.
Whitmore, Rauber & Vicinus
ROCKVILLE CENTER—Combes G. D.
ROME—Wardwell Hardware Co.
RONDOUT—(See Kingston)
SAG HARBOR—East Hampton Lumber & Coal Co.
SALEM—Dillon Jno. L.
SANDY HILL—Griffin Lumber Co.
Kenyon Lumber Co.
SARATOGA SPRINGS—Todd E. R.
SAUGERTIES—Saugerties Coal & Lumber Co.
SCHENECTADY—Crane-Veeder Co.
Devenpeck Coal Co.
Rankin Chas. F.
Rosa N. W.
Winne & McKain Co.
SEA CLIFF—Parliman Lawrence E.
SENECA FALLS—Maier Fred & Sons
Palmer S. S.
SHERBURNE—Gaines Thos. P.
SKANEATELES—Carver Richard
Stuart William G.
SOUTHAMPTON—Hampton Lumber Co.
STONY BROOK—Bayles D. T. & Son
SUSPENSION BRIDGE—Haeberle Lumber Co.
SYRACUSE—Pack George W. & Son
Paragon Plaster Co., 300 W Water
Salisbury D. J., 206 St. Mark's av
Sullivan C. J., 126 S. Clinton
TARRYTOWN—Dinkel & Jewell Co.
Husted A. P. Co.
TICONDEROGA—Bascom D. C.
TOMPKINSVILLE—(See New York City, Borough of Richmond)
TOTTENVILLE—(See New York City, Borough of Richmond)
TROY—Grimm Max
Murray James T.
Rickerson & Co.
Smith Milo
TRUMANSBURG—Hasard Wm.
TULLY—Garrison J. H. (Est. of)
UTICA—American Hard Wall Plaster Co.
Conley Frank E. Stone Co.
Empire Wall Plaster Co.
McQuade & Bannigan
WALDEN—Dominick D. C. Co.
Hill C. W.
WARRENSBURG—Emerson A. C. & Co.
WARWICK—Conklin & Strong
WATERLOO—Terwillinger A. H. & Son
WATERTOWN—Johnson S. W.
Jones W. C.
White G. W. & Son
WATKINS—Durland L. H. Son & Co.
WELLSVILLE—Chamberlain F. R. & Co.
Duke Oak Lumber Co.
WEST WINFIELD—Weeks George S.
WHITEHALL—Sullivan J. H. (Est. of)
WHITE PLAINS—Young R. Bros. Lumber Co.
WHITESTONE—(See New York City, Borough of Queens)
WILLIAMSBRIDGE — (See New York City)
YONKERS—Lawrence Bros.
Yonkers Builders' Supply Co.

## NORTH CAROLINA.

ASHEVILLE—Brown Hdwe. Co.
Westall J. M. & Co.
Westall W. H. & Co.
CHARLOTTE—Carolina Lumber Mfg. Co.
Ward W. W. & Son
Wearn J. H. & Co.
Withers B. F.
CONCORD—Niblock F. C.
EDENTON—Brown M. G.
HICKORY—Ingold F. B.
WILMINGTON—Moore's Rogers Sons & Co.
WINSTON-SALEM—Fogle Bros. Co.
Orinoco Supply Co.

## NORTH DAKOTA.

DICKINSON—Walton & Davis Co.
GRAND FORKS—Dinnie J. A. Co.
Robertson Lumber Co.
St. Hilaire Retail Lumber Co.
HATTAN—Ness Lumber Co.
WAHPETON—Rischard John

## OHIO.

ADA—Ada Coal & Lumber Co.
AKRON—Akron Paving & Plaster Co.
Akron Supply Co.
Botzum Bros. Co.
Firestone Park Builders Supply Co.
Mell Marvin M. & Co.
Pfarr & Hobart Co.
Wright W. E. Co.
ALLIANCE—Tolerton I. G. & Son
ANDOVER—Coulter D. & Son
Wood C. W.
ASHLAND—Ashland Hardware Co.
Boren William
Hoover Chas.
Palmer J. C.
ASHTABULA—Aten Volda B.
Robinson M. C. & Co.
Stockton W. H.
BEDFORD—Miller C. F.
BELLAIRE—Anderson & McGregor Co.
BOWLING GREEN—Hankey Lumber Co.
BROADWAY—Goff W. H.
BROOKVILLE—Detweiler Theo.
BUCYRUS—Smith J. M. & Fitzer
Ryland B. L. & Son
BURTON—Crittenden B. D.
BYESVILLE—Witten B. V. & Sons
CADIZ—Long E. M. & Sons (Wholesale)
CAMBRIDGE — Orme-McMahon-Thompson Co.
CANFIELD—Neff C. H.
CAREY—Snyder William H.
CELINA—Desch J. W.
CHILLICOTHE—Chillicothe Coal Co.
Rutherford Chas. W.
Union Coal Co.
CINCINNATI—Chrispin Jas. G. Lime & Cement Co., 2117 Monroe av, Norwood
Cincinnati Clay Products & Supply Co., Johnston bldg
Cincinnati Sewer Pipe Co., Elm & Water
Conkling H. J., 731 Hunt
Doermann-Roehrer Co., 318 E 3d
Farrn M. B. Lumber Co., Station av & Winton pl
Hall T. J. & Co. (Washed River Sand & Gravel), 450 E Pearl
Huber Bldrs.' Material Co., 50 Vine
Jacobs Julius, 276 W McMicken av
McCammon L. H. Bros., Johnston bldg
McCracken J. E. Supply Co., 629 E Front
Marsh-Murdock Co., Cor. Stanton av & Melish
Metcalfe L. A., 2433 Gilbert av
Moores-Coney Co., St. Paul bldg
Moss C. W., 218 Tennyson
Pachoud A. L. & Co., 3459 Montgomery av
Patterson Alex., 3036 W 6th
Taylor Chas. E., 1429 Cutter
CLARINGTON—Rea John J.
CLEVELAND—Baldwin H. A. & Co., 14903 Saranac
Best Builders Supply Co., Marion bldg
Broadway Coal & Feed Co., 6431 B'way
Cleveland Builders' Supply Co., Leader-News bldg
Cleveland Material Co.
Collinwood Lumber Co., 14902 Darwin av
Crane P. D. Co., 10225 Meech
Cuyahoga Builders' Supply Co., Schofield bldg
Diamond Portland Cement Co. (Cement Mfrs.), 1313 Williamson
Donley Brothers Co., The, 3625 E. 74th
*See adv index at end of book*
Forrester Plaster Co., ft East 49th
Goff-Kirby Coal Co., Electric bldg
Kelley Island Lime & Transport Co. (Hydrated & Lime Lump), Leader News bldg
Lake Erie Builders' Supply Co., Schofield bldg
Lake Shore Sand & Gravel Co., Cuyahoga & W. 3d
Ohio Coal & Supply Co., 2869 E 37th
Sheets Elevator Co.
Shepard J. J., 1078 River av, N. W.
CLEVES—Caine Chas. W.
CLYDE—Forsythe James
Hurd T. P. & Son
COLLEGE CORNER—Stephens & Stewart
COLUMBUS—American Sewer Pipe Co., 315 N High
Builders' General Supply Co., Darby & Scott
Building Products Co., 67 E Long
Columbus Builders' Supply Co., 145 N Front
Columbus Coal & Lime Co., 307 S High
Columbus Fire & Face Brick Co., 16 S 3rd
Columbus Macadam Co., 319 Dublin av
Cussins & Fearn Co., 48 W Spring
Ferris Steam Mortar Works, 632 Galloway av
Fifth Avenue Coal Co., 5th av & Big Four
Franklin Builders' Supply & Coal Co., 400 W Broad
Hamilton Parker Fuel & Supply Co., 491 Kilbourne
Murray City Coal Co., W Fifth av & H. V. Ry.
Rapp Jacob & Co., 375 S High
Rock Plaster Mfg. Co., Darby & Scott
West Side Lumber Co., Duerr rd
CONNEAUT—Pond Lumber Co.
CORNING—Rodgers D. M.
COSHOCTON—Thomson A. H. & Son
CRESTLINE—Weaver Bros. Co.
CROOKSVILLE—Pettit E. G.
CUMBERLAND—Dye Milton
DAYTON—Dayton Builders' Supply Co.
Eichelberger's T. D. Sons
Hawthorn W. S.
King Chas. S.
McGreevy & Ortman Co.
Schaeffer, Gengnagel & Co.
Star Coal & Cement Co.
DEFIANCE—Gorman M. B. Co.
DELAWARE—Kissner R. D.
DELPHOS—Horine John T. & Sons
DESHLER—Lytle Lumber Co.
DILLONVILLE—Manifold J. H. C.
EAST LIVERPOOL—Enterprise Coal Co.
Nease C. Lumber Co.
EAST PALESTINE—Meek Lumber Co.
ELDORADO—Locke A. W. S.
ELYRIA—Elyria Concrete Co.
Heldmyer Hardware Co.
Murbach Coal Co.
FINDLAY—Hagerman & Phillips
Rhamy W. H.
FRANKLIN—Anderson's L. G. Sons
FREMONT—Price Lumber & Mfg. Co.
Riverside Fuel & Supply Co.
FUNK—Taylor Chas.
GALION—Bryan Coal Co.
Weaver Bros. Co.
GALLIPOLIS—Rue John C.
GARRETTSVILLE—Hatch J. E.
GENEVA—Cowdery Coal Co.
Geneva Milling Co.
King W. H.
GLENDALE—Freyhof John D.
GRAND RAPIDS—Miller Geo. H.
GREENVILLE—Mahar M. A.
HAMERSVILLE—Chatterton O. J.
HAMILTON—Cullen & Vaughn Co., 450 Dayton

OHIO—continued
HARRISON—Perrine Atwood
Vincent W. C. & Son
HARTWELL—Mueller John Co.
HILLSBORO—Whisler Chas F.
HOPEDALE—Tweedy & Bernhard
IRONTON—Central Hardware & Harness Co. (Roofing, etc)
Ginn Co.
Goldcamp Bros. & Co.
Ironton Lumber Co.
Ironton Portland Cement Co.
JACKSON—Buckeye Mill & Lumber Co.
Jackson Mill & Lumber Co.
Morgan & Horton
JEFFERSON—Douglass L. C. & Co.
KENTON—Callam John & Co.
Robinson-Gage Lumber Co.
LANCASTER—Orman Lumber Co.
LEAVITTSBURG—Doty A. M. & F. T.
LEETONIA—Mellinger I. F.
LEXINGTON—Kell Bros.
LIMA—Consumers' Fuel & Building Supply Co.
Fidelity Coal & Supply Co.
Watson Cement & Coal Co.
LINDEN HEIGHTS—Denune Builders' Supply Co.
Linden Lumber Co.
LISBON—Bean I. C. Co.
LOCKLAND—Lockland Lumber Co., Benson & Mill
LOGAN—Lumber & Supply Co.
LORAIN—Lorain Lumber & Mfg. Co.
McCUTCHENVILLE—Smith & Lawmaster
MANSFIELD—Branyon M. L. & Bro.
Kallmeren & Baer
Rusk Bros.
Voegele Bros.
MARION—King H. C. Lumber Co.
Leffler & Bland
Ohio & Western Lime Co.
Price J. L. Co.
Prendergast Co.
MARYSVILLE—Conrad Wm. J.
Robinson & Curry Co.
MASSILLON—Atwater D. & Son
Clements A. J & Son
MAUMEE—Koch C. L. Co.
MIDDLEFIELD—Patchin C. P. & Co.
MIDDLETOWN—Hatfield Coal Co.
MILFORD—Buckingham & Hair
Clark J. N.
MINERVA—Hart S. W. & Son
MOGADORE—Mogadore Lumber & Supply Co.
MOUNT GILEAD—Mount Gilead Lumber Co. (Br. J. S. Peck & Son, Eardington)
Wagner Bros.
MOUNT ORAB—Kibler Fred W.
MOUNT VERNON—Sanderson & McCreery (Also Slate)
MOWRYTOWN—Beucler L. A. & Co.
NAPOLEON—Johnson & Ritz
Thiesen & Hildred Co.
NEWARK—Montgomery Wesley
Smith's P. & Sons Lumber Co.
NEW BOSTON—Bahner Geo.
NEW COMERSTOWN—Novelty Brick & Coal Co.
NILES—Eaton Builders' Supply Co.
NORWALK—Frey Joseph
Smith Monumental Works
OBERLIN—Cole S. M. Co.
OLMSTEAD FALLS—Stokes T. C.
ORRVILLE—Seas J. F. & Sons
OTTOVILLE—Lauer N.
OWENS—Owens John D. & Son Co.
PAINESVILLE—Callander G. F. & Son
McMillan Robert
Painesville Coal & Builders' Supply Co.
Truby Coal Co.
PAULDING—Paulding Lumber Co.
Southern Lumber & Supply Co.
PENINSULA—Bigelow F. A. & Son
PIQUA—Morrow & Licklider
Wood C. L.
Wright & Kuntz Lumber Co.
PLAIN CITY—Martin & Strickland
PLYMOUTH—Nimmons & Nimmons
POMEROY—Biggs B. F. Co.
PORTSMOUTH—Kaps Bros.
Hibbs Hardware Co.
Leet H. Lumber Co.
Reitz Bros Co.
RACINE—Hayman Jos. C.
RAVENNA—Bennett J. A.
Morgan E. E.
RITMAN—Hershey & Rohrer
ST. MARYS—McNally & Son
St. Marys Blds'. Supply & Coal Co.
SALEM—Peoples Lumber Co.
Satterthwait Edgar
SANDUSKY—Groch Fred'k Coal Co.
Homegardner Sand Co.
Kelley Island Lime & Transport Co.
Lake Erie Sand Co.
Nielsen C. A. Coal Co.
Peterson & Hiss Co.
Wagner Quarries Co.
SHELBY—Wiggins E. W.
Will & Kerr
SIDNEY—Farmers' Grain & Milling Co.
Heiser Jno. & Son
Klipstine Wm. Lumber Co.
Toy W. M. & Co., 10 E Shelby
SPENCERVILLE—Pickering Wm. H.
Reynolds W. A. Lumber Co.
SPRINGFIELD—Bauer Charles
Beckley & Myers Ice & Fuel Co.
Clark County Lumber Co.
Mills Bros.
Rawlins A. M.
Springfield Coal & Ice Co.
Taggart & Brown Co.
STEUBENVILLE—Alexander W. J.
Central Sewer Pipe & Supply Co.
McFeely Bros.
Ohio Valley Ice & Storage Co.
STONEY RIDGE—Shook Ira E.
STRUTHERS—Horne J. K. & Son
STRYKER—Stryker Builders' Supply Co.
SULLIVAN—Atyeo Bros.
TIFFIN—Crobaugh & Dahm Hardware Co.
O'Connell Louis Co.
Ohio & Western Lime Co.
TOLEDO—Acme Coal, Wood & Builders' Supply Co.
Buckeye Builders' Supply Co.
Holst W. O. Builders' Supply Co.
Knopp Bros. Co.
Ohio Builders' Supply Co.
Superior Supply Co.
Toledo Builders' Supply Co., Spitzer bldg
Toledo Pulp Plaster Co.
Woodville Lime Products Co., 622 Madison av
TORONTO—Goodlin J. O. Son & Co.
TROY—Trojan Coal Co.
UHRICHSVILLE—Pearch J.
Romig P. A.
UPPER SANDUSKY—Gipson W. A.
URBANA—Heap Thomas
UTICA—Einsweller C. W.
VAN WERT—Rupright Bros.
VAUGHNSVILLE—Risser D. R.
VERMILION—Decker C. F.
WADSWORTH—Dutt Feed & Supply Co.
WAPAKONETA—Brown M. Co.
Whitman Joseph L.
WARREN—Greenwood & Co.
Murray Thos.
Western Reserve Lumber Co.
WASHINGTON C. H.—Coffman Mfg. Co.
WAUSEON—Williams H. H. & Co.
WELLSVILLE—Auginbaugh H. C.
Patterson Geo. B. Coal & Supply Co.
WEST MENTOR—Norton C. A.
WEST MILTON—Everett W. D. J.
WESTON—Oswald Bros.
WILLOUGHBY—Hill A. T. & Co.
Jenkins C. C.
WILMINGTON—Fisher Mfg. & Fuel Co
WOOSTER—Gray & Son
XENIA—Thornhill Bros.
YOUNGSTOWN—Buehrle German B.
Concrete Stone & Sand Co. (Sand & Concrete)
Sharp Bros.
Youngstown Ice Co.
ZANESVILLE—Adams Bros. Contracting Co.
Harris Bros.
McIntire Coal & Bldrs. Supply Co.
Townsend F. M.
Zanesville Grain & Building Supply Co.

## OKLAHOMA.

ARDMORE—Hudson-Houston Lumber Co.
STILLWATER—Bullen H. B. Lumber & Coal Co.

## OREGON.

PORTLAND—Balfour, Guthrie & Co., Park & Oak
Cherry P. L. Co., 271 Hawthorne av
Hennessy J. D. & Co., 195 Front
Kollock L. R. & Co., Mutual Ry. Ex-bldg
McCraken J. Co., Blake-McFall bldg
McMillan A. Co., 341 Williams
Nottingham & Co, E 2d & Wash
Rate G. B. & Co., Dekum bldg
Timms, Cress & Co., 184 2d
Versteeg Brick Co., 1027 Tillanook
THE DALLES—Glenn Hugh & Co.
Wasco Warehouse Milling Co.

## PENNSYLVANIA.

ALBION—Sergeant A. W.
ALLEGHENY—(See Pittsburgh)
ALLENTOWN—Butz Jas. F. & Co.
Erich G. F. Co.
Kuder Millard A.
Ochs Construction Co.
ALTOONA—Altoona Concrete Construction & Supply Co.
Canan Building Supply Co.
Canan-Knox Supply Co.
Vipond Coal Co.
AMBLER—Craft J., Watson
ANNVILLE—Saylor D. L. & Son
ARDMORE—Smedley & Mehl
ASHLAND—Buck Peter E. & Sons
ATHENS—Kinter F. B.
AVONDALE—Pennock & Brosius
Williamson Frank & Co.
BANGOR—Bangor Lumber Mfg. Co.
Wise Lumber & Coal Co.
BEAVER—Cook Anderson Co.
BEAVER FALLS—Brierly Frank F. & Sons
Davidson W. J. & Son
Pearson & Son
Zimmerman R. E.
BELLEFONTE—McCalmont & Co.
BERWYN—Fritz W. H.
BLAIRSVILLE—Ray L. S. W.
BLOOMSBURG—Paragon Plaster & Supply Co.
BLOSSBURG—Clark Geo. D.
BLUE BELL—De Prefontaine Chas.
BOSTON—Harper C. M. C.
BRADDOCK—Braddock Lumber Co.
Braddock Lumber Co.
Crown Wall Plaster Co.
Keller & Milliken
McCrady Bros. Co.
BRADFORD—Fischer L. A. & Co.
BRIDGEPORT—March's I. F. Sons
BRISTOL—Leedom W. F.
Peirce & Williams
BROOKVILLE—McKnight & Son
BUTLER—Niggel's J. Son
CANONSBURG—Elliott W. J.
CARBONDALE—Cavanaugh C.
Mills Bros.
CARLISLE—Bixler J. P. & Sons
Goodyear Bros.
CATASAUQUA—Deily G. B. F.
Schneller C. W.
CHAMBERSBURG—Hiteshaw & Co.
CHARLEROI—Mounster R. C.
CHESTER—Chester Lumber & Coal Co.
Wood, Lumber & Coal Co.
CHRISTIANA—Cooper Mark P.
CLEARFIELD—Fullington E. M.
COATESVILLE—Pownall Hardware Co.
CONNELLSVILLE—Fayette Lumber Co.
CONSHOHOCKEN—Jones Wm. Potts
CORAOPOLIS—Watson T. F. & Bro.
CORRY—Barlow Hardware Co.
Wales Hardware Co. (Ltd.)
CRAFTON—Crafton Lumber & Supply Co.
DANVILLE—Cole J. H.
Welliver W. W.
DARBY—Thurston Oscar
DEVON—Lobb C. A. & Sons
DOYLESTOWN—Barrett James & Son
Beidler Henry S.
Randall W. L.
DUBOIS—DuBois Jno. E.
Hibner-Hoover Hardware Co.
EASTON—General Supply Co.
Mason's Supply Co.
Messinger Teaming & Supply Co.
EAST STROUDSBURG—East Stroudsburg Lumber Co.
EMAUS—Brown Chas. D.
ERIE—Boyd & Schafer
Erie Hard Wall Plaster Co.
Thayer O. C. & Son
ETNA—Stevenson Milford, Est. of
EVANS CITY—Burry & Markel Co.
EVERETT—Cottage Planing Mill Co.
FERNWOOD—Hoopes Rufus C.
FLEETWOOD—Schaeffer, Wanner & Co.
FRANKLIN—Franklin Lumber Co.
Howard Lumber & Coal Co.
James Lumber Co.
GLENOLDEN—Mitchell J. E.
GREENVILLE—Packward Hardware Co.
HAMBURG—Lenhart I. S.
HANOVER—Schmuck Co.
HARRISBURG—Cowden & Co.
Kelley H. M. & Co.
Rhoads J. E.

HAZLETON—Frederick S. Y. & Son
Hazleton Machinery & Supply Co.
Schaub Justus
Wagner Bros. Hardware Co. (Paints)
HOLLIDAYSBURG—Condron J. B.
Law John H.
HOMESTEAD—Vallowe Bros.
HOOVERSVILLE—Meyers H. J. & W. A.
HUMMELSTOWN—Engle's Jno. S. Sons
Holler Chas.
HUNTINGDON—Miller C. H. Hdw. Co.
INDIANA—Stewart Jas. M. & Co.
IRWIN—Fox L. C.
JOHNSTOWN—Johnston Planing Mill Co.
Thomas-Kinzey Lumber Co.
Walters John W.
KINGSTON—Edwards & Co.
Roat A. J. Supply Co.
KITTANNING—McConnell & Watterson Co.
McCullough James Jr.
KUTZTOWN—Heffner Dietrich & Co.
LANCASTER—Lancaster Lime & Supply Co.
Penna. Stone, Cement & Supply Co.
Reilly Bros. & Raub
Sener G & Sons
Steinman Hardware Co.
LANSDALE—Brady James
LATROBE—Doherty Philip Hdw. & Supply Co.
McFeely Brick Co.
LEBANON—Granitine Wall Plaster Co
Krause George Hardware Co.
LEWISBURG—Dreisbach's C. Sons
LEWISTON—Franciscus Co.
LINWOOD STATION—Wood Bros.
LITITZ—Hershey-Leamon Co.
McKEESPORT—Bowman Bros. Co.
Hartman Hdw. Co.
Serena John Co.
Wishart A. & Sons Co.
McKEES ROCKS—Bluming P.
Young & Schmitt
MACUNGIE—Singmaster J & Co.
MANSFIELD—McDowell Chas.
MAUCH CHUNK—Neast Chas. & Co.
MEADVILLE—Harris C. P.
Smith Lumber Co.
MECHANICSBURG—Martin C. & Son
MEDIA—Williamson C. F.
MIDLAND—Marshall & Beglin
MIFFLIN—Manbeck W. H. & Co.
MONONGAHELA—Yohe Bros.
MONROETON—Cranmer H. A. & Sons
MONTROSE—Cooley & Son
MOORE—Moore G. W. & Co.
MOSCOW—Loveland J. E.
MOUNT PLEASANT—Stevenson J. A. & Co.
NAZARETH—Nazareth Coal & Lumber Co.
NEW BETHLEHEM—Anderson Hdw. Co.
Andrews Lumber Co.
NEW BRIGHTON—Martsolf Bros. Co.
Martsolf George W.
NEW CASTLE—Burns Bros.
Marshall Bros.
Ramsey D. G. & Sons
NEW FREEDOM—Bahn Walter D & Co.
NEW KENSINGTON—Klingensmith H. A. & Son
McKean J. S. & Sons Co. (Ltd.)
NEW SALEM—McCormick S. O.
NORRISTOWN—Evans B. & Bro.
Landis William G.
Quillman Benj. Hardware Co.
NORTH WALES—Leister Frank H.
OGONTZ—Nagle Louis A. & Co.
OIL CITY—Berry Co.
Borland & Diamond Lumber Co.
Caldwell Lumber Co.
OLYPHANT—Lally Jas. H.
PEN ARGYL—Correll R. S.
PENNS STATION—Myers J. E.
PERRYOPOLIS—Perry Mfg. Co.
PHILADELPHIA—Ambler H. C. Contracting Co., 3717 Old York rd
Borgner Cyrus Co. (Distributors of Lehigh Portland Cement), 234 N 23d
Bowditch Walter, Haines & Baynton, Gtn.
Bradley Walter T. Co., 9th & Thompson
Cox's C. A. Sons, 2139 American
Dobbs Samuel B. (Brick), 1218 Chestnut
Dougherty Cornelius, 1207 Passyunk av
Fairlamb P. H. Co., 115 S 30th
Fitzgerald John J. & Co., 2d & Butler
France David Co., Tasker st. Wharf
Fredericks Chas. C., Wayne av, c Reading Ry, Gtn
French, Samuel H. & Co., York av, 4th & Callowhill
Fulmer & Henderson, Stenton av (Gtn.)
Gabell W. T., 2308 N 29th
Garrett Jas. & Co., 1432 S Penn sq
Gilbert Harry W., Hutchinson & Venaugh
Hartranft Wm. G. Co., Real Estate Trust bldg
Housekeeper Benj. (Lime), 1526 N American
Kenderdine J. R., 332 Witherspoon bldg
Kerbaugh Lime Co., Wash'n av, c 15th
Keystone Plaster Co. (Adamant Wall Plaster), North American bldg
Knickerbocker Lime Co., 366 N 24th
Krause Wm., 1621 N 5th
Kugler Clarence B. Jr. & Co., Land Title bldg
Kyle Geo., 73d c Grays av
Lukens & Yerkes, Stephen Girard bldg
McClemen H. A. & Bro., Shunk & 13th
Manayunk Coal & Lime Co., Main & Umbria
Meng Anthony & Co., 17 S Front
Peoples Bros., 25th & Callowhill
Prettyman Harry D., 2603 S Broad
Robinson Thos. & Co., Real Estate Trust bldg
Rutan John W., 1305 Arch
Sinn Geo. A., 4430 Penn
Smith Edwin A. & Son (Lime), 1017 Frankford av
Supplies Co. (General), Witherspoon bldg.
Tyson Jacob L., 900 Jeff
Vollmer P. S., Harrison bldg
Warner Chas. Co. (Wholesale & Retail), Finance bldg
Wilson & Gardner Co., 5541 Lena Germantown
PITTSBURGH—Birmingham Supply Co., S 17th
Duncan & Porter Co., 310 Mendota
Harbison-Walker Refractories Co. (Fire Brick), Farmers' Bank bldg
Heppenstall & Marquis, 32d
Houston Bros. Co., 32d & P. R. R.
Jiles Jas. Co., Stayton
Keller Bros., 6347 Station
Kennedy D. J. Co., 6366 Frankstown av
Knox, Strouss & Bragdon, Juniata & Preble
Leggett Wm. T. Co., 2621 Liberty
Miller & Coulson, Diamond Bank bldg
Munhall R. J. Lumber Co., Sidney & Brady
National Mortar & Supply Co. (Lime Only), 2d Nat'l Bank bldg
Rodgers Sand Co., Wood & Water
Williams W. H. & Co., 100 Penn
Winfield Sand Co., 2d Nat'l Bank bldg
PITTSTON—Dershimer & Griffin
Patterson J. E. & Co.
PLATEA—Cook J. W. & Sons
POTTSTOWN—Baily Hardware Co.
Fegely J. & Son
Hallman Wm.
Halteman J. L.
Van Buskirk & Bro.
POTTSVILLE—Bright George Hardware Co.
Ryon John P.
PUNXSUTAWNEY—Brown Hardware Co.
QUAKERTOWN—Achey Benj.
Walp C. H. & Bro.
READING—Bard Hardware Co.
Bright & Co.
Fisher Chas. H.
Gring J. M. Co.
Reading Lumber Co.
Roth A. L. Co.
RIDGWAY—Hyde-Murphy Co.
Hyde W. H. & Co.
ROCHESTER—McDonald & Hartman
ROYERSFORD—Buckwalter J. A.
RUSSELL—Reynolds A.
SAEGERTOWN—Peters Frank L.
SAINT MARYS—Ritter Leonard
SALTSBURG—Davis Bros. & Co.
SALUNGA—Hiestand & Co.
SCRANTON—Benore John
Keller Luther
Maloney Oil & Mfg. Co.
Mason & Snowdon Lumber Co.
Paragon Plaster & Supply Co.
SEWICKLEY—Hays Alden F.
SHAMOKIN—Shamokin Lumber & Mfg. Co.
SHARON—McIntyre Wm. & Sons
Sharon Building Co. (Ltd.)
Wallis & Carley Co.
Wishart A. & Sons Co.
SHARPSBURG—Chalfant A. M.
SHARPSVILLE—Covert & Stewart
SLATINGTON—Dettmer & Handwerk
Fritzinger William A.
SOUDERTON—Moyer & Son
Souder & Crouthamel
SPRING CITY—Davis & Mowrey
STEELTON—Hess John
SUNBURY—Sunbury Supply Co.
Whitmer William & Sons Co.
SWARTHMORE—Ogden C. G. & Co.
TITUSVILLE—Edwards H. B.
Shank I. L.
Ward C. J.
TOWANDA—Myer Berlin F.
TROY—Spalding H. M. & Son
TUNKHANNOCK—Billings Paul & Sons
TYRONE—American Lime & Stone Co.
Beyer F. D. & Co.
Franciscus Hardware Co.
Grazier Bros.
UNION CITY—Union Coal & Supply Co.
WARREN—Pickett Hardware Co.
WASHINGTON—Paul & Post
WAYNE—Connor I. W. Co.
WAYNESBORO—Beck & Benedict
Eclipse Wall Plaster Co.
Newcomber J. M. & Co.
WEST CHESTER—Bennett & Lear
Hoopes Ralston R.
WEST GROVE—Chambers S. K. & Bro.
WILKES-BARRE—Eastern Penna. Supply Co.
Goff Lumber Co.
Henry Frank N.
Patterson James E. & Co.
Robbins Lumber Co.
Schmitt's John A. Sons
Wilkes-Barre Masons' Supply Co.
WILLIAMSPORT—Diamond Wall Cement Co.
Huffman W. H. C. Sons
Kline & Co.
Stuempfle's David Sons
YORK—Barnitz George A.
McClellan & Gotwalt Co. (Ltd.)
Small P. A. & S. Co.
York Valley Lime Co.
Zinn Bros.
ZELIENOPLE—Kennedy J. J.

## RHODE ISLAND.

BRISTOL—Wardwell Lumber Co.
NEWPORT—Friend John M.
Hammet A. & H. G. Co.
PAWTUCKET—City Coal Co.
Cottrell J. T. Co.
Newell Coal & Lumber Co.
Olney & Payne Bros.
PROVIDENCE—Goff James C. Co., 31 Point
Harris Wm. M. Jr., 546 Atwells av
Horton H. R. Co., 459 S Water
McKendall Frank D., 519 Charles
Manchester & Hudson Co., 55 Point
Olneyville Hay & Grain Co., 25 Manton av
Whaley J. A. & Co., 41 Smith
RIVER POINT—Potter Frank E.
WAKEFIELD—Wakefield Lumber Co.
WESTERLY—Kenyon H. T. & Co.
Sherman's R. A. & Sons Co.
WOONSOCKET—City Lumber Co.
Woonsocket Lumber Co.

## SOUTH CAROLINA.

ANDERSON—Anderson O. D.
Brissey W. L. Lumber Co.
White & Co.
BEAUFORT—Christensen N. & Sons
CHARLESTON—Anderson Lumber Co.
Carolina Portland Cement Co.
Hughes Co.
Johnson Wm. & Co.
COLUMBIA—Brown C. O. & Bro.
Lorick & Lowrance
GAFFNEY—Builders' Supply Co.

## SOUTH DAKOTA.

BELLEFOURCHE—Tri State Milling Co.
CHAMBERLAIN—Anderson J. F. Lumber Co.
MITCHELL—Anderson J. F. Lumber Co.
SIOUX FALLS—Ross H. W. Lumber Co.
Loonan Lumber Co.
Tuthill J. W. Lumber Co.
YANKTON—Loonan Lumber Co.

## TENNESSEE.

BRISTOL—Mitchell-Powers Hardware Co.
CHATTANOOGA—Chattanooga Builders' Supply Co.
Gager Lime & Mfg. Co.
Howard Park Brick Co.
Sloan & Company
HARRIMAN—Dame Mantel Co.
JACKSON—Central Lumber Co.
City Lumber Co.
Enochs Lumber Co.
KNOXVILLE—Chandler & Co.
King, Mantel & Furn. Co.
Knoxville Lumber & Mfg. Co.
Tenn. Lime & Sand Co.
Wright Cruze Hardware Co.
MEMPHIS—Cook A. J. & Co.
Crump Bros.
Fischer Lime & Cement Co.
Tri-State Builders' Supply Co.
MORRISTOWN—Baylor C. E. Co.
NASHVILLE—Cohn & Goldberg
Hardison W. T. & Co.
Herbert T. L. & Sons
Hoover A. T. & Co.
Kirkpatrick J. O. & Sons
Love, Boyd & Co.
Nashville Builders' Supply Co.
Norvell & Wallace
Ransom J. B. & Co.
TULLAHOMA—Lawson T. D.

## TEXAS.

ALBANY—Rockwell Bros. & Co.
AUSTIN—Austin White Lime Co.
Tips Walter Co.
BASTROP—Willbarger J. L.
BEAUMONT—Texas Bldrs' Supply Co.
Wilson E. L. Hdw. Co.
CISCO—Burton-Lingo Co.
CLEBURNE—Burton-Lingo Co.
Wilson H. S.
COLORADO—Burton-Lingo Co.
CORPUS CHRISTI—Sidbury Lumber Co.
CORSICANA—Whitselle Brick & Lumber Co.
DALLAS—Fraser Brick Co.
Griffiths & Co.
Moore & Co.
DENISON—Hanna Bros.
Lingo-Leeper Co.
DENTON—Wilson J. B. & Co.
EL PASO—Bassett O. T. & Co.
Courchesne A.
El Paso Lumber Co.
Santa Fe Fuel Co.
FORT WORTH—Burton-Lingo Co.
Cameron Wm. & Co.
Nash Hardware Co.
Owens B. W. Lumber Co.
Smith Cicero Lbr. Co.
GALVESTON—Fowler & McVitie
Parr Wm. & Co.
GROESBECK—Walker & Sons
HOUSTON—Barthold & Casey
Bland Jeff Lumber & Building Co.
Humphreville W. E.
Macatee W. L. & Sons
Walcott Frank B.
KERRVILLE—Schreiner Chas. Co.
LAREDO—Deutz A. & Bro.
Johnson S. N.
MASON—Grosse R. E.
NAVASOTA—Youens J. & Co.
ORANGE—Lutcher & Moore Lumber Co.
Miller-Link Lumber Co.
Sabine Supply Co.
PALESTINE—Broyles W. & G. D.
PARIS—Bettes H. S. Hardware Co.
SAN ANTONIO—Dielmann Jno. C.
SCHULENBERG—Schaefer H. P.
SHERMAN—Fielder A. A. Lumber Co.
Wilson J. B. & Co.
TEMPLE—Campbell C. M. & Sons
Hollingsworth Joseph
TEXARKANA—Hoffman Hardware Co.
VICTORIA—Goldman A.
WACO—Brazelton-Lumber Co.
Nash-Robinson Co.

## UTAH.

OGDEN—Eccles Lumber Co.
Lowe Geo. A. Co.
SALT LAKE CITY—Langston Lime & Cement Co.
Morris Elias & Sons Co.
Morrison, Merrill & Co.
Portland Cement Co. of Utah
SPANISH FORK—Jex Lumber Co.

## VERMONT.

BRATTLEBORO—Robbins & Cowles
BURLINGTON—Burlington Grocery Co.
CAVENDISH—Robbins B. A. Lime Co.
FAIR HAVEN—Reed Coal Co.
NEWPORT—Macdiarmid & Co.
POULTNEY—Bixby E. M.
Ripley Lumber Co.
Sherman S. & Son
RANDOLPH—Lamson J. H. & Sons
RUTLAND—Burditt Bros.
Curtis S. P. & Son
Landon Walter C. & Co
ST. ALBANS—Bostwick Bros.
ST. JOHNSBURY — Caldbeck-Cosgrove Corp.
Ide E. T. & H. K.

## VIRGINIA.

ALEXANDRIA—Robinson's Geo. H. Sons
Smoot W. A. & Co.
BERRYVILLE—Baker H. W.
CHARLOTTESVILLE—King Lumber Co.
Wood, Vest & Co.
CHASE CITY—Roberts B. A. Son & Co.
HAMPTON—Born L. & Son.
Heffelfinger Co.
HARRISONBURG—Snell J. M. & Co.
LYNCHBURG—Adams Bros. Paynes Co.
De Witt H. E. Lumber Co.
Taylor W. O.
NEWPORT NEWS—Acme Supply Co.
Benson-Phillips & Co.
NORFOLK—Batchelder & Collins
Bayne C. M. & Co.
Building Supplies Corp.
Dixie Lime & Cement Corp.
Friebus G. S.
Gamage John O.
Jones & Co.
Nottingham & Wrenn Co.
PETERSBURG—Burgess D. H. & Co.
Friend & Co.
PHOEBUS—Tennis Edgar M.
PORTSMOUTH—Oast Samuel P., 1101 Court
Portsmouth Contractors Supply Corp.
RICHMOND—Baldwin & Brown,, 1557 E Main
Hawes S. H. & Co., 1801 E Cary
Lathrop C. P. & Co., 1600 E Marshall
Moore, Warner & Co., 17th
Sitterding-Carneal-Davis Co., 1601 W Leigh
ROANOKE—Adams, Payne & Gleaves
Central Mfg. Co.
Exchange Lumber Co.
Virginia Lumber & Mfg. Co.
STAUNTON—Clem Bros.
SUFFOLK—Allen R. R.
Folk E. L. Co.
WARRENTON—Wood. P. D. & Co.
WINCHESTER—Glaize Bros.

## WASHINGTON.

ANACORTES—Curtis Wharf Co.
BELLINGHAM—Cain-Grimshaw Co.
Morse Hardware Co.
CHELAN—Dunham H. E.
CLE ELUM—Hutter Frank
ELBERTON—Eitel H. C.
EVERETT—Shaw Harry W.
KELSO—Remick A. R.
KETTLE FALLS—Richard D. M.
NORTH YAKIMA—Fosseen A. B. & Co.
ODESSA—Finney G. W. Lumber Co.
OKANOGAN—Dunham W. H.
OMAK—Omak Lumber Co.
SEATTLE—Balfour-Guthrie & Co.
Boyd Fred. Co.
Crowe F. T. & Co.
Curtiss Wm. M. Co., 5016 20th, N W
Daily S. W. R.
Dudley G. S. & Sons
Fryer David E. & Co.
Galbraith, Bacon & Co.
Kerr. Gifford & Co.
McMullen & Co.
Milligan & Nesbitt
Monks & Miller
Rodgers Chas. W. Co., Maritime bldg
Seattle Sand & Gravel Co.
Spring Hill Fuel Co.
SEDRO WOOLLEY—Skagit Commission Co.
SOUTH BEND—Rude C. O.
SPOKANE—Idaho Lime Co.
Pearson-Mowbray Co.
Washington Brick Lime & Sewer Pipe Co.
SUMAS—Thomas Rees
TACOMA—Crowe F. T. & Co. (Complete Line)
Griffin Transfer Co.
Tacoma Trading Co.
WALLA WALLA—Loney Samuel & Co.
Snell Geo. H.
WATERVILLE—Stevens Lumber Co.

## WEST VIRGINIA.

BUCKHANNON—Alton Lbr. Co.
Drummond T. B. & Co.
CHARLESTON—Courtney Co.
Goshorn Hardware Co.
CLARKSBURG—Williams Hardware Co.
HUNTINGTON—Dickerson Lumber Co.
Miller Supply Co.
Mossman Bros. Co.
HURRICANE—McCallister Wm. H.
KEYSER—Liller W. A.
Steorts H. G.
MORGANTOWN—Morgantown Brick Co.
PARKERSBURG—Beckwith Joel
Lowther M. R. & Co.
Niswander G. W. & Co.
Senseman J. M. Lumber Co.
WHEELING—Chapman W. A. & Sons
Wilson W. A. & Sons

## WISCONSIN.

APPLETON—Marston Bros. Co.
Ideal Lumber & Coal Co.
ASHLAND—Ashland Lime, Salt & Cement Co.
BARABOO—Stewart & Alexander Lumber Co.
BEAVER DAM—Roedl & Jacobs Co.
BELOIT—Beloit Lumber Co.
Keeler Lumber & Fuel Co.
McGavock Bros.
Rock River Lumber Co.
Star Coal Co.
BERLIN—Wilbur Lumber Co.
BLACK EARTH—Mickelson A. A. & Son
BLACK RIVER FALLS—Black River Falls Lumber & Mercantile Assn
BOSCOBEL—Ruka Bros. Mfg. Co. (Ltd.)
BURLINGTON—Wilbur Lumber Co.
CHIPPEWA FALLS—Clark Grain & Fuel Co.
Coleman H. B.
EAU CLAIRE—Evans-Lee Co.
FORT ATKINSON — Zeugner-Hoffman Lumber Co.
FOUNTAIN CITY—Roettiger H. & F.
GRAND RAPIDS—Bossert Fred.
GREEN BAY—Barkhausen Henry A.
Flatley Bros. Co.
Killman & Challe
HARTFORD—Grimm John A.
HONEY CREEK—Wilbur Lumber Co.
JANESVILLE—Brittingham & Hixon Lumber Co.
Fifield Lumber Co.
Schaller-McKey Lumber Co.
KAUKAUNA—Kaukauna Lumber & Mfg. Co.
KENOSHA—Dunnebacke Co.
LA CROSSE—Colman C. L. Lumber Co.
Hart H. C. Implement Co.
Sobkowiak Frank
LAKE GENEVA—Durkee F. M. & Son
Wilbur Lumber Co.
MADISON—Britlingham & Hixon Lbr. Co.
Castle & Doyle.
Conklin & Sons Co.
Cooley C. F.
MANAWA—Little Wolf River Lumber Co.
MANITOWOC—Johnson J. G.
Manitowoc Land & Fuel Co.
MARINETTE—Ludington N. Co.
Lyon Bros.
MARSHALL—Wilbur Lumber Co.
MENASHA—Plummer H. H.
MILTON—Saunders T. A. & Son
MILWAUKEE—Brandt W. H. & Co., 3015 Walnut
Burnham Bros. Brick Co., 68 Wisconsin
Cream City Sand Co., 601 Edison
Druecker Jos. Sons' Co., Atwater rd
Kuenzli Henry & Co.
Milwaukee Building Supply Co., 425 E Water
Milwaukee Falls Lime Co.
Milwaukee Sand & Gravel Co., 779 N Water
Moritz F. G., Pabst bldg
Penna. Coal & Supply Co., 672 Kinnickinnie
Pipkorn W. H. Co.
Ricketson & Schwarz, 432 B'way
Taylor, Button Fuel Co., Pt. Wash. rd
Waukesha Lime & Stone Co., 425 E Water
Western Lime & Cement Co., Pabst bldg
Wilbur Lumber Co., Pabst bldg
MONROE—Becker Wm. A. Co.
Dodge Lumber Co.
NEENAH—Twin City Fuel Co.
NORTH LAKE—Wilbur Lumber Co.
NORTH MILWAUKEE—Eggert Charles

OSHKOSH—Cook & Brown Lime Co.
Hollister, Amos & Co.
PORTAGE—Mohr C. F.
RACINE—Asdahl & Nelson
Olley Geo.
Stoffel & Brach
RHINELANDER—Brown Bros. Lumber Co.
Robbins Lumber Co.
RICHLAND CENTER—Krouskop A. H.
SAUK CITY—Lachmund Lumber & Coal Co.
SEYMOUR—Droeger Hardware Co.
Miller & Piehl
SHEBOYGAN—Ebenreiter Lumber Co.
SILVER LAKE—Wilbur Lumber Co.
SPRINGFIELD—Wilbur Lumber Co.
SULLIVAN—Collins Bros. Lumber Co.
WATERLOO—Wilbur Lumber Co.
WATERTOWN—Burns J. W.
Tetzlaff H.
WAUKESHA—Gittner Coal & Supply Co.
Palmetier & Abel Lumber Co.
Wilbur Lumber Co.
WAUPACA—Waupaca Sand & Gravel Co.
WAUSAU—Curtis & Yale Co.
Nickel Hardware & Supply Co.
Paff Wm. A.
Stewart Alexander Lumber Co.
WEST ALLIS—Meigs H. G. Co.
Wilbur Lumber Co.
WESTFIELD—Cochrane T. H. Co.
WHITEWATER—Whitewater Lumber Co.

### WYOMING.

LARAMIE—Holliday W. H. Co.

## 9600—Mast Arms (Arc Lamp, Etc.)

Brady Electric Mfg. Co., New Britain, Conn.
Buffalo Specialty Co. ("Duplex"), 375 Ellicott, Buffalo, N. Y.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Cutter Geo. Co. ("Cutter's"), South Bend, Ind.
Electric Railway Equipment Co., Cincinnati, O.
Fletcher Mfg. Co., Dayton, O.
Harrison Electric Co., 411 Van Brunt, Brooklyn, N. Y.
Hubbard Co. 63rd & Butler, Pittsburgh, Pa.
Line Material Co., So. Milwaukee, Wis.
Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.
Pettingell Andrews Co. ("Philbrick"). 166 Pearl, Boston, Mass.
Philadelphia Electrical & Mfg. Co. ("Pemco," Made from Pipe), 1236 N 31st, Phila., Pa.
Pittsburgh Transformer Co., Columbus & Preble av, Pittsburgh, Pa.

## 9601—Masticators (Rubber & Carbon)

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.

## 9602— Masts & Spars

Boston Oregon Mast Co., 131 Coleridge, East Boston, Mass.
Endresen Spar & Timber Co., Hoquiam, Wash.
Hoskins J. S. Lumber Mfg. Co., Baltimore, Md.
Lawley Geo. & Son Corp., Neponset, Boston, Mass.
Northwest Lumber Co., Seattle, Wash.
Ostrander Ry. & Timber Co., Ostrander, Wash.
Pacific Mutual Door Co., Tacoma, Wash.
Pigeon, Fraser Hollow Spar Co. (Clear White Spruce, Hollow & Solid Spars, 20 to 120 ft.), E Boston, Mass.
Pope & Talbot, ft. of 3d, San Francisco, Cal.
Puget Mill Co., Seattle, Wash. Mills: Port Gamble, Wash.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Seattle Construction & Dry Dock Co., Seattle, Wash.
Simmons John Co. (Tubular Steel), 110 Centre, New York
*See adv index at end of book*
Tacoma Mill Co., Tacoma, Wash.
Union Lumber Co., Crocker bldg, San Francisco, Cal.
Union Spar Co., Gloucester, Mass.
Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*
Woodall Wm. E. & Co., ft of Woodall, Baltimore, Md.

## 9603— Match Mfrs.

Budde & Westermann ("Triangle" Brand Safety), 7th av & 29th, New York
Diamond Match Co., 111 B'way, New York
Fear Fred Match Co., Bloomsburg, Pa.
Huner John T., Evergreen, N. Y.
Indiana Match Corp., Crawfordsville, Ind.
Lion Match Co., Inc. (In safety book form), 91 Grand, New York
Merkle-Wiley Broom Co., Paris, Ill.
Metropolitan Match Co., 503 Market, San Francisco, Cal.
Ohio Match Co., Wadsworth, O.
Penna. Match Co., Bellefonte, Pa.
Reliable Match Co., Ashland, O.
Sommers Bros. Match Co., Saginaw, Mich.
Union Match Co., Duluth, Minn.
Zan Bros., Portland, Ore.

## 9604—Mats (Asbestos Table)

Asbestos & Rubber Works of America, 58th & B'way, New York
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Chicago Asbestos Table Mat Co. ("Peerless" Dining Table, 215 Loomis, Chicago, Ill.
Johns-Manville H. W. Co., Madison av & 41st, New York
Kerney Mfg. Co., 148 W 62nd, Chicago, Ill.
Rishel J. K. Furniture Co., Williamsport, Pa.
Turner Asbestos Co., Exeter, N. H.

## 9605— Mats (Blasting)

Anchor Blasting Mat & Rope Co., 245 E 32d, New York
Dienst A. P. & Co., 2604 3d av, New York

## 9606—Mats (Combination Cocoa & Steel)

Hinman D. A. & Co. ("Peerless" Door), Sandwich, Ill.

## 9607— Mats (Cork)

Armstrong Cork Co. (Bath & Table), 24th & A. V. R. R., Pittsburgh, Pa.
La Porte Mat & Mfg. Co. ("Dreadnaught") ("Foot") ("Steelbound"), La Porte, Ind.

## 9608—Mats (Felt, Steel Bound)

La Porte Mat & Mfg. Co. ("Dreadnaught" Tread), La Porte, Ind.

## 9609— Mats (Hair)

Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Wilson & Co., 41st & Ashland av, Chicago, Ill.

## 9610—Mats (Leather Rolling)

Climax Motor Devices (Magneto & Generator Couplings), 5209 Prospect av, Cleveland, O.
F. A. Sales Co., Inc., 258 5th av, New York
Page Belting Co., Concord, N. H.
Paragon Mat Co. (For Cars, Elevators, Schools, Hospitals, etc), Frankford & Worrell, Phila., Pa.
Salisbury W. H. & Co. (Leather Link), 308 N Madison, Chicago, Ill.

## 9611— Mats (Picture)

Boston Mat & Basket Co., 94 Commercial, Boston, Mass.
Chicago Mat Board Co., 664 Washington blvd, Chicago, Ill.
McLaughlin Wm. J., 9 E 8th, New York
Mueller Bros. Art & Mfg. Co., 2641 Polk, Chicago, Ill.

## Mats (Rubber)

See Mats & Mattings, Steel Wire

## Mats (Steel Wire)

See Mats & Mattings, Steel Wire

## 9612— Mats (Stove)

Gillen-Chambers Co. (Asbestos), Portland, Ore.
Keasbey & Mattison Co. (Asbestos), Ambler, Pa.
Peoria Can Co. (Asbestos), Peoria, Ill.

## 9613— Mats (Street Car)

See also Other Mat Classifications
Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
CARY MFG. CO. ("Cary" Flexible Steel), Nassau & Jay, Brooklyn, N. Y.
*See adv index at end of book*
Cyclone Fence Co., Waukegan, Ill.
Paragon Mat Co. (Flexible Link, Rolling, Leather, Rubber or Steel), Frankford & Worrell, Phila., Pa.

## 9614— Mats (Switchboard)

Consumers Rubber Co. ("Euclid"), 829 Superior, Cleveland, O.
Standard Woven Fabric Co., Walpole, Mass.

## 9615— Mats (Wire Table)

Woods-Sherwood Co., Worcester, Mass.

## 9616— Mats (Wood)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Modern Mfg. Co. ("Clean U. Well" Door), Hagerstown, Md.

## 9617— Mats (Wood Rolling)

See also Mats, Street Car
Keystone Wire Matting Co. ("Rolamat"), Beaver Falls, Pa.

## 9618—Mats & Matting (Cocoa)

Darragh Small Co., Ltd. (Calcutta & Domestic), 177 Water, New York
Eastmond & Co. (Imp), 82 Beaver, New York
Fels Fibre Fabric Co., Lowell, Mass.
Heywood Bros. & Wakefield Co., Gardner, Mass.
India Cocoa Matting Mfg. Co., 86 Butler, Brooklyn, N. Y.
Lamond & Robertson Co., Paterson, N. J.
McCabe Benj. & Bro., 37 E 18th, New York
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Rancocas Mills ("Diamond J. D."), Trenton, N. J.
Tyler Mfg. Co. (For Running Boards), 64 Pearl, Boston, Mass.
Wild Jos. & Co., 366 5th av, New York

## 9619—Mats & Matting (Rattan, Etc.)

Heywood Bros. & Wakefield Co., Gardner, Mass.

## 9620—Mats & Matting (Rubber)

See also Tile, Rubber
Acme Rubber Mfg. Co., Trenton, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Bull Dog," "Tiger," "Standard," "Lenox," "Pyramid," "Lenox Bath"), Cambridge, Mass.
Cantslip Manufacturing Co. ("Cantslip"), 16 Cedar, New York
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Empire Tire & Rubber Corp. (of Every Description), Trenton, N. J.
Essex Rubber Co. ("Pyramid"), Trenton, N. J.
Federal Rubber Co. The, Cudahy, Wis.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co., 539 Mission,, San Francisco, Cal.
*See adv index at end of book*
Gutta Percha & Rubber Mfg. Co. (Perforated Door, Barber, Corrugated, Pitcher, Cuspidor, Bottle, Diamond & Glass Mats & Corrugated Matting), 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co. ("Magnus," "Elmwood" Knot Corrugated & Alternate Design; also Perforated Mats), Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mechanical Rubber Co., Cleveland, O.
Mercer Rubber Co., Hamilton sq, N. J.

*For Entrances, Corridors and Floor Spaces Exposed to Hard Service, Dirt or Wet*

**CARY'S EVERLASTING FLEXIBLE STEEL MAT**

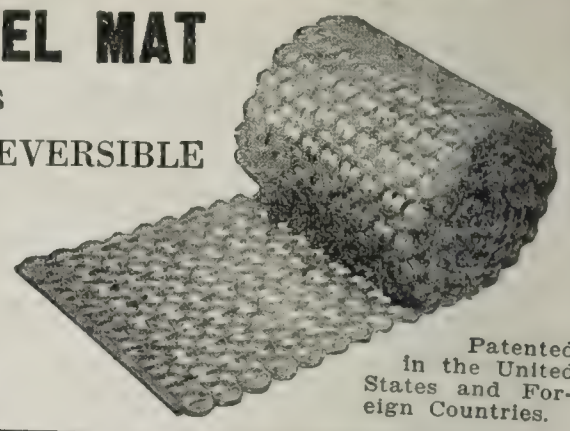
HAS A SCRAPING SURFACE IN ALL DIRECTIONS

SANITARY SELF-CLEANING RUST-PROOF REVERSIBLE

**MADE IN ROLLS AND TWELVE REGULAR SIZES**
**SPECIAL SIZES MADE TO ORDER**

**The United States Government, which has used our mat seven years, has again awarded us the contract to supply all buildings under its jurisdiction throughout the United States**

**CARY MFG. CO.** NASSAU and JAY STS. BROOKLYN N. Y.



Patented in the United States and Foreign Countries.

MATS & MATTING (RUBBER)—cont.

National India Rubber Co. (Perforated Mould, etc), Bristol, R. I.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co., 91 Chambers, New York City
Paragon Mat. Co. (Rubber Link & Corrugated Rubber Block), Frankford & Worrell, Phila., Pa.
Pennsylvania Rubber Co. (Corrugated, Cuspidor, Bath Tub, Perforated Pebble, Pressed, Automobile, etc), Jeannette, Pa.
Pioneer Rubber Mills, 68 Sacramento, San Francisco, Cal.
Quabaug Rubber Co., North Brookfield, Mass.
Quaker City Rubber Co. ("Hercules"), 629 Market, Phila, Pa.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Boston, Mass.
Salisbury W. H. & Co. ("Electric," "Perforated" & "Velvet," Interlocking), 308 N Madison, Chicago, Ill.
Standard Woven Fabric Co., Walpole, Mass.
Tyer Rubber Co. (Door, Pitcher, Coin & Barbers' Mats), Andover, Mass.
United & Globe Rubber Co., Trenton, N. J.
United States Rubber Co., 1790 B'way, New York
Victor Rubber Co., Springfield, O.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Western Rubber Co. (Door & Small Mats Only), Goshen, Ind.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 9621— Mats & Matting (Steel)

Acme Steel Goods Co. ("Acme" Flexible Reversible Steel Mats), 2834 Archer av, Chicago, Ill.
**CARY MFG. CO.** ("Cary" Everlasting Flexible), Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Cyclone Fence Co. (Sanitary Steel Door Mats), Waukegan, Ill.
Hamblin & Russell Mfg. Co. (Elastic Steel Door Mats), Worcester, Mass.
Jencks E. Mfg. Co. (Elastic Steel Door Mats), Worcester, Mass.
Keystone Wire Matting Co. ("Keystone" Flexible), Beaver Falls, Pa.
Koenig Edward L., La Salle nr. Lake, Chicago, Ill. *See adv index at end of book*
LaPorte Mat & Mfg. Co. ("Hercules" Flexible), La Porte, Ind.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Pettler Wire Products Co. ("Cleanwell" Flexible Steel), Beaver Falls, Pa.
Sanitary Wire Door Mat Co. ("Sanitary" Door Mats & Auto Running Board Mats), 413 S Lincoln, Chicago, Ill.
**Smith F. P. Wire & Iron Works (Flexible, Flat Steel), 2340-48 Clybourne av, Chicago, Ill.** ***See adv index at end of book***
Wayne Mfg. Co. (Flexible), 247 N. J. R. R. av, Newark, N. J.
Wear-Proof Mat. Co. ("Wear-Proof" Galvanized Steel & Creosoted Wood Felt), 500 S Peoria, Peoria, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire & Metal Wares Co., Erie, Pa.

## 9622—Mats & Matting (Steel Wire)

Barbe Wire & Iron Works ("National," "Perfect"), 170 N Dearborn, Chicago, Ill.
Cyclone Fence Co., Waukegan, Ill.
Keystone Wire Matting Co. ("Ideal"), Beaver Falls, Pa.
Koenig Edward L., 23 W Kinzie, Chicago, Ill. *See adv index at end of book*
La Porte Mat & Mfg. Co. ("Eclipse," Door), La Porte, Ind.
**Ludlow-Saylor Wire Co., 20 E. Jackson blvd, Chicago, Ill.**
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Paragon Mat Co., Frankford & Worrell, Phila., Pa.
Parker Wire Goods Co. (Flexible Wire Door Mats), Worcester, Mass.
**Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.**
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Standard Wire Co., New Castle, Pa.
U. S. Wire Mat Co. ("U. S. Flexible"), Decatur, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Williams Geo. A. & Son (("Keystone," Flexible), 85 Fulton, New York
Wire Goods Co. ("Elastic" Steel Door Mats), Worcester, Mass.
Worth Wire Works, Kokomo, Ind.

## 9623— Matting (Aluminum)

Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
**METALLIC AUTOMOBILE MATTING CO,** 181 York, Rochester, N. Y.
Seligman Arthur (Imp.), 165 B'way, New York

## 9624—Matting (Electric Floor)

Partrick & Wilkins Co., 51 N 7th, Phila., Pa.

## 9625— Matting (Fibre)

Harvey Fibre Carpet Co. ("Kolorfast"), Trenton & Allegheny av, Phila., Pa.
Hodges Fibre Carpet Co., 212 5th av, New York
New England Rug Co. ("Melrose"), Lawrence, Mass.
Plymouth Mills, 1115 B'way, New York

## 9626— Matting (Grass)

Crex Carpet Co. ("Crex"), 1134 B'way, New York
Deltox Grass Rug Co. ("Deltox"), Oshkosh, Wis.
Jacob Chas. W. & Allison (Imp.), (Raffia Grass), 18 Cedar, New York
Waite Grass Carpet Co., Oshkosh, Wis.
Willow Grass Rug Co. (Rugs), Green Bay, Wis.

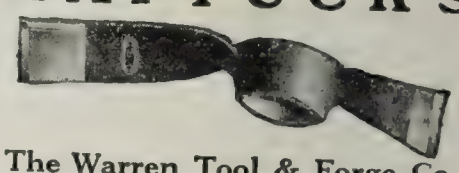
## Matting (Insulating)

See Mats, Switchboard

## 9627— Mattocks

See also Picks, Mattocks & Grub Hoes
Warren Tool & Forge Co. (Pick), Warren, O. *See adv index at end of book*

**MATTOCKS**



**The Warren Tool & Forge Co.**
**Warren, Ohio, U. S. A.**

Warwood Tool Co., Warwood, Wheeling, W. Va.

## 9628— Mattresses

Abbott J. G., Est of, Antrim, New Hampshire
Abernathy Furniture Co., Kansas City, Mo.
Acme Bedding Co., 1511 Bates, Indianapolis, Ind.
Acme Mattress Co., Kansas City, Mo.
Acme Spring Bed & Mattress Co., Fort Smith, Ark.
Advance Bedding Co., La Crosse, Wis.
Akron Mattress Mfg. Co., Akron, O.
Alabama Broom & Mattress Co., Huntsville, Ala.
Albers & Lorenz, 635 E Water, Milwaukee, Wis.
American Bedding Co., Superior, Wis.
American Mattress, 5 Way, Boston, Mass.
Anchor Spring & Bedding Co., Nashville, Tenn.
Anderson Mattress Co., Anderson, Ind.
Anderson Mattress & Spring Co., Anderson, S. C.
Angeles Mattress & Feather Works, 2218 S Main, Los Angeles, Cal.
Aronauer Jos., 61 Chrystie, New York
Athens Mattress & Spring Co., Athens, Ga.
Augusta Bedding Co., Augusta, Ga.
Automatic Woven Wire Supply Co., Mangin & Delancey, New York
Avery Frank F., Framingham, Mass.
Baker O. D. Co., 60 Canal, Boston, Mass.
Balyeat Mfg. Co., Mansfield, O.
Barcalo Mfg. Co., Buffalo, N. Y.
Beck Bros., 260 Bruce, Newark, N. J.
Bedell Mfg. Co., 616 E N W., Washington, D. C.
Bellingham Bedding Co., Bellingham, Wash.
Bent G. W. Co., 93 Causeway, Boston, Mass.
Berger Wm. & Co., 392 Florida, Milwaukee, Wis.
Bergstein Bros., 208 Plymouth av, Minneapolis, Minn.
Bernhard Mattress Co., 739 Mission, San Francisco, Cal.
Bernstein Mfg. Co., 3d & Allegheny av, Phila., Pa.
Billow-Firestone Co., Columbus, O.
Blackmore Co., 309 S Main, St. Louis, Mo.
Bloom & Godley Co., Trenton, N. J.
Blystone F. M., Elmira, N. Y.
Blystone W. I. & Son, Jamestown, N. Y.
Boll Bros. Mfg. Co., Harrisburg, Pa.
Bowles & Bals, Corry, Pa.
Brandwein A., 2341 State, Chicago, Ill.

Braveman & Co., Wilkesbarre, Pa.
Bridgman Mattress Co., Knoxville, Tenn.
Broadway Bedding Co., Louisville, Ky.
Bryant Uph. Furniture Co., 1622 W 7th, Los Angeles, Cal.
Buckeye Bedding Co., Dayton, O.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Buelderick Fred E., Dempsey & C. H. & D. R. R., N. Fairmt, Ohio
Bunting J. R. Bedding Co., 1505 Wharton, Phila., Pa.
Burt Mfg. Co., 226 Eddy, Providence, R. I.
Burton, Dixie Corp. (Cotton Felt, Hair & Kopak), 1319 Michigan av, Chicago, Ill.
Cameron Bros., 822 Federal, Pittsburgh, Pa.
Canton Mattress Co., Canton, O.
Carr Loftus H. & Co., 288 Flushing av, Brooklyn, N. Y.
Carman Mfg. Co., Portland, Ore.
Carter Bros. Mattress Co., Chattanooga, Tenn.
Cashion J. B. & Sons, Cornelius, N. C.
Chandley Co., Worcester, Mass.
Chattanooga Mattress Co., Chattanooga, Tenn.
Chittenden & Eastman Co., Burlington, Ia.
Cincinnati Cushion Co., 116 Opera Pl., Cincinnati, O.
Classe F. M., 2727 S B'way, St. Louis, Mo.
Cleese John P. Co., 18th & York, San Francisco, Cal.
Clune M. Co., 1407 S Meridian, Indianapolis, Ind.
Coglan W. J., Kankakee, Ill.
Cohen Louis, 232 E. 125th, New York
Coleman Bed Co., 1322 W. Monroe, Chicago, Ill.
Colonial Bedding Co., Fredericksburg, Va.
Colorado Bedding Co., Pueblo, Colo.
Columbia Feather Co., 413 W Huron, Chicago, Ill.
Continental Bedding Co., 86 Beverly, Boston, Mass.
Continental Bedding Mfg. Co., 1636 Bryant, San Francisco, Cal.
Cooney & Smith, Saginaw, Mich.
Cream City Bedding Co., 3200 Fond du Lac av, Milwaukee, Wis.
Crescent Feather Co., 19th & Harrison, San Francisco, Cal.
Crescent Felt Mattress Co., 400 N Hagen, New Orleans, La.
Danville Lounge & Mattress Co., Danville, Ill.
Davenport Bedding Co., Davenport, Ia.
Day H. L. Sons & Co., Bangor, Me.
Deinzer Mfg. Co., 57 Catherine, Detroit, Mich.
Dennis Mfg. Co., Waco, Texas
Denver Bedding Co., Denver, Colo.
Dixie Mattress Co., Hattiesburg, Miss.
Dodge-Dickinson Co., Bloomington, Ill.
Dougherty H. D. & Co., 17th & Indiana, Phila., Pa.
Doup L. G. Co., Omaha, Nebr.
DuBell Mfg. Co., Bath, N. Y.
Dubuque Mattress Factory, Dubuque, Ia.
Eau Claire Bedding Co., Eau Claire, Wis.
Eckerson Bedding Co., Mechanicsville, N. Y.
Electric City Bedding Co., Scranton, Pa.
Emmerick Chas. & Co., 501 W Huron, Chicago, Ill.
Emmons Bros., Meridian, Miss.
Enterprise Mattress Co., 29 Beverley, Boston, Mass.
Evansville Mattress & Couch Co., Evansville, Ind.
Empire Mattress Co. ("Centerfilled"), 2231 W. Madison, Chicago, Ill.
Ervin Mfg. Co., El Paso, Texas
Fahnstock & Miller, Chambersburg, Pa.
Falls City Bedding Co., Louisville, Ky.
Fett John, 2715 S. Halsted, Chicago, Ill.
Fogg M. W., 202 Front, New York
Folding Mattress Co., New Haven, Conn
Fort Pitt Bedding Co., Liverpool & Preble, Pittsburgh, Pa.
Fort Worth Feather & Mattress Factory, Fort Worth, Texas
Foster Bros. Mfg. Co., 320 N Holliday, Baltimore, Md.
Garetson Mfg. Co., San Diego, Cal.
Gavin Joseph, 1133 S 8th, Phila., Pa.
Glen Nicholas T., Phila., Pa.
Globe Mattress Mfg. Co., 145 North, Boston, Mass.
Gordon Chapman Co., 1245 W 14th pl, Chicago, Ill.
Graham Mattress Co., Graham, Va.
Grand Rapids Bedding Co., Grand Rapids, Mich.
Greater New York Bedding Co., 39 East, New York
Grona A., San Antonio, Texas
Gross H. E. & Co., 823 Rebecca, Pittsburgh, Pa.
Grossberg H. T. & Co., 4658 B'way, Chicago, Ill.
Harman F. S. & Co., Tacoma, Wash.
Hartford Mattress Co., Hartford, Conn.
Hawkes L. W. & Co., Lowell, Mass.
Hellring & Grim Co., 906 Washington av, St. Louis, Mo.
Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.
Hall Frank A. & Sons, 120 Baxter, New York
Harbach's L. Sons Co., Des Moines, Ia.
Hard Mfg. Co., 117 Tonawanda, Buffalo, N. Y.
Hardock Benj., 531 N 2d, Phila., Pa.
Hartman Bros., Quincy, Ill.
Harvey Wm., Norristown, Pa.
Hasselbarth C. O., Albany, N. Y.
Haynes Mattress Factory, Sealy, Texas
Hemenway Furniture Co., Alexandria, La.
Herr Mfg. Co., Lancaster, Pa.
Hess William T., York, Pa.
Hewitt L. & R. T., South Wetherafield, Conn.
Hinkle E. P. & Co., 488 Maine av, S W, Washington, D. C.
Hirsch & Spitz Mfg. Co., Atlanta, Ga.
Hirschman J. C. Co., 1201 E Maryland, Indianapolis, Ind.
Hodges Frederick G., Reading, Pa.
Hoey John & Co., Alameda & Rhode Island, San Francisco, Cal.
Hoffman Furniture Co., 37 Market, Newark, N. J.
Holman John & Co., 134 Richmond, Boston, Mass.
Holmes D. H. Co., 819 Canal, New Orleans, La.
Hot Blast Feather Co., Grand Rapids, Mich.
Hotchkiss & Son, Lawrenceville, Pa.
Hub Furniture Co., Fort Worth, Texas
Hullman, Israel J., Binghamton, N. Y.
Hunt M. A. Co., Dempsey & C H & D Ry, Cincinnati, O.
Hyman Frank, 1329 Clybourn av, Chicago, Ill.
International Bedding Co., Guilford & Charles av Baltimore, Md.
Isenberg Bedding Co., Wilmington, Del.
Ives D., Binghamton, N. Y.
James River Furniture & Mattress Co. (Combination), Richmond, Va.
Jamestown Spring Bed Co., Jamestown, N. Y.
Jamison Spring & Mattress Co., Nashville, Tenn.
Jenks & Muir Mfg. Co., 1441 Hastings, Detroit, Mich.
Johnson C. Upholstering Co., Youngstown, O.
Joppa Mattress Co., Little Rock, Ark.
Kaiser Jacob Mfg. Co., 3d & Elm, St. Louis, Mo.
Karcher Jacob, Castorland, N. Y.
Karr Francis Co., 1322 W Monroe, Chicago, Ill.
Keith R. Furniture & Carpet Co., Kansas City, Mo.
Kentucky Bedding Co., Louisville, Ky.
Kenyon Chas. F., Ocean Grove, N. J.
Kernan John F., Oswego, N. Y.
Kimball & Chapell Co., 2834 Loomis, Chicago, Ill.
Kindel Bedding & Renovating Co., Denver, Colo.
King-Fisher Mattress Co., Portland, Ore.
Kleck J. W., San Antonio, Texas
Knoxville Excelsior & Mattress Co., Knoxville, Tenn.
Lariew J. R., Elmira, N. Y.
Lasche Alfred C., 960 N 2nd, Phila, Pa.
Leak, Wall & McRae, Rockingham, N. C.
Lehigh Star Bedding Co., Allentown, Pa.
Lears C. H. & Sons, 934 W Baltimore, Baltimore. Md.
Leath A. & Co., Elgin, Ill.
Lewis Comyn, Charleston, W. Va.
Lima Mattress Co., Lima, Ohio
Loeser John & Co., 1625 Wabash av, Chicago, Ill.
Little Rock Furniture Mfg. Co., Little Rock, Ark.
Little Rock Mattress Co., Little Rock, Ark.
Logan A. J. Co., 29th & Liberty, Pittsburgh, Pa.
Longview Mattress Co., Longview, Texas
Lottman C. F. & Sons, Houston, Texas
Louisville Pillow Co., Louisville, Ky.
Lupfer George B. Co., Columbus, O.
Lycoming Bedding Co., Williamsport, Pa.
McEntire Brothers, Topeka, Kans.
McHose & Pardoe, Fargo, N Dak.
McMahen William H., 244 S 2d, Phila., Pa.
Macon Mattress Mfg. Co., Macon, Ga.
Magaril Morris, 19 Moore, Brooklyn, N. Y.
Magee Mfg. Co., 1518 Tchoupitoulas, New Orleans, La.
Mahoney Wm. Mattress Co., Walpole, Mass.
Malden C. C. & Mattress Co., Malden, Mass.
Manne L., Upholstering & Carpet Cleaning Co., 2724 S Grand av, St. Louis, Mo.
Marion Mattress Works, Marion, Ind.
Marshall Ventilated Mattress Co., 1454 S Sangamon, Chicago, Ill.
Martin W. H., Sioux Falls, S Dak.
Mebane Bedding Co., Mebane, N. C.
Meislahn C. F. & Co., 19 Clay, Baltimore, Md.
Memphis Mattress Co., Memphis, Tenn.
Meridian Mattress Factory, Meridian, Miss.
Merrimac Mattress Mfg. Co., 129 Portland, Boston, Mass.
Metropolitan Mattress Co., 47 Wareham, Boston, Mass.
Metzger Mattress Co., Atlanta, Ga.
Michigan Bedding Co., 262 Orleans, Detroit, Mich.
Michigan Felting Co., Kalamazoo, Mich.
Milwaukee Bedding Co., 292 4th Milwaukee, Wis.
Missouri Mattress & Glove Mfg. Co., Cape Girardeau, Mo.
Millholen B. D., Cedar Rapids, Ia.
Milwaukee Wadding & Comfort Mills, 415 3d av, Milwaukee, Wis.
Minneapolis Bedding Co., E Henn av, Minneapolis, Minn.
Mobile Mattress Co., Mobile, Ala.
Montana Mattress & Furniture Co., Butte, Mont.
Mount Vernon Mattress & Furniture Co., Mount Vernon, Ill.
Montgomery Mattress Factory, Montgomery, Ala.
Myers-Spalti Mfg. Co., Houston, Tex.
Nashville Spring & Mattress Co., Nashville, Tenn.
National Bedding Co., 510 Cherry, New York
National Bedding Co., Leavenworth, Kan.
National Bedding Co., Memphis, Tenn.
National Bedding Co., 237 S 2d, Phila., Pa.
National Mattress Co., Lynchburg, Va.
National Spring Bed Co., New Britain, Conn.
Nelson Bros., Wilkes-Barre, Pa.
Northwestern Bedding & Mfg. Co., Wycliff N cor Bradford, St. Paul, Minn.
Nelson M. Furniture Co., Astoria, Ore.
New York Bedding Co., 96 Suffolk, New York
Niedringhaus Chas., House Furnishing Co. 1003 Franklin av, St. Louis, Mo.
Newark Spring Mattress Co., 80 Madison, Newark, N. J.
New England Bedding Co., 321 Congress, Boston, Mass.
New York Mattress Co., 32 Green, Boston, Mass.
Norfolk Mattress Co. (Combination Straw & Cotton), Norfolk, Va.
Northwestern Bedding & Mfg. Co., Wycliff, N W cor Bradford, St. Paul, Minn.
Norton Mattress & Mfg. Co., Norton, Va.
Oates Mattress Co., Little Rock, Ark.
Ohio Spring Bed Co., 1281 E 38th, Cleveland, O.
Ohio Valley Mattress Co., Wheeling, W. Va.
Oklahoma Spring Bed Mfg. Co., Oklahoma, Okla.
Olive & Myers Mfg. Co., Dallas, Tex.
Olmsted & Tuttle Co., Chicopee, Mass.
Onondaga Bed Mfg. Co., Syracuse, N. Y.
Orleans Felt Mattress Works, 512 Conti, New Orleans, La.
Orrville Bedding Co., Orrville, O.
Oshkosh Bedding & Couch Co., Oshkosh, Wis.
Osiason J., Fall River, Mass.
Ostermoor & Co., 116 Elizabeth, New York
Otis Bed Mfg. Co., 170 Florida, Buffalo, N. Y.
Pabst & Schaller, 111 E 12th, Cincinnati, O.
Paine C. S. Co., Grand Rapids, Mich.
Paine Furniture Co., 81 Arlington, Boston, Mass.
Payne Chas. T. Co., Lincoln, Neb.
Paetz Chas. H., St. Joseph, Mo.
Palmer Galvanic Bed Co., 231 E 9th, New York
Palmer & Hardin, Louisville, Ky.

MATTRESSES—continued

Paris Mattress Mfg. Co., Paris, Tex.
Parkersburg Mattress Co., Parkersburg, W. Va.
Parlor Furniture & Mattress Co., Fremont, Neb.
Patton-Black Mfg. Co., Jackson, Tenn.
Peerless Bedding Co., Bellefontaine, O.
Pensacola Mattress Co., Pensacola, Fla.
Peoria Lounge & Mattress Co., Peoria, Ill.
Perfection Mattress & Spring Co., Birmingham, Ala.
Petrik J. F. & Sons, Topeka, Kans.
Pettit Feather & Bedding Co., Portland, Ore.
Phillips & Osborn, 711 E 47th, Chicago, Ill.
Plotkin S. J., Johnstown, Pa.
Porterfield Ira J., 2019 Ridge av, Phila., Pa.
Preuss R. J. Co., 388 38th, Milwaukee, Wis.
Puritan Bed Spring Co., 902 Kentucky av, Indianapolis, Ind.
Queen City Mattress Co., 946 Betts, Cincinnati, O.
Raider David, 108 Forsyth, New York
Rehkopfs Mattress Co., Texarkana, Tex.
Renn-Davis & Co. (All Kinds), Portsmouth, Va.
Rhein Bros., 6011 S State, Chicago, Ill.
Richards Fred J., Springfield, Mass.
Riverside Mfg. Co., Moultrie, Ga.
Roberti Bros., 1342 Long Beach av, Los Angeles, Cal.
Robinson-Roders Co., 27 N. J. R. R. av, Newark, N. J.
Rock River Cotton Co., Janesville, Wis.
Rogers Chas. P. & Co., 14 E 33d, New York
Rose Spring & Mattress Co., Memphis, Tenn.
Royal Chair Co., Sturgis, Mich.
Royall & Borden, Goldsboro, N. C.
Rubenstein H. & Co., 670 W 14th, Chicago, Ill.
Rudge & Guenzel Co., Lincoln, Neb.
Runyon J. D. Mfg. Co., 190 1st, Jersey City, N. J.
Russell L. R., Bay City, Mich.
Russell & Russell, South Bend, Ind.
Sacramento Wire Mattress Co., Sacramento, Cal.
Salem Mattress Co., Salem, Va.
Salisbury & Satterlee Co., 201 SE Main, Minneapolis, Minn.
Salt Lake Mattress & Mfg. Co., Salt Lake City, Utah
Sammet G. W. & Son Co., 8 Atlantic av, Boston, Mass.
Sanitary Feather Co., 422 S Canal, Chicago, Ill.
Sanitary Felting & Mattress Co., South Bend, Ind.
Sanitary Mattress Co., Youngstown, O.
Savage B. B. & Co., New Haven, Conn.
Scaritt-Comstock Furniture Co., St. Louis, Mo.
Schaefer Joseph, Fort Wayne, Ind.
Schick Wm. Mfg. Co., Topeka, Kans.
Schmitt & Henry Mfg. Co., Des Moines, Ia.
Schmidt-Bedding Co., 966 30th, Milwaukee, Wis.
Schmitz Joseph, Lancaster, Pa.
Schultz & Hirsch Co., 1300 Fulton, Chicago, Ill.
Schuster & Co., 414 N Howard, Baltimore, Md.
Schwartz Abraham, 62 Bergen, Brooklyn, N. Y.
Scranton Bedding Co., Scranton, Pa.
Seattle Mattress & Uph. Co., Seattle, Wash.
Seeboth Albert G. Co., 230 Mineral, Milwaukee, Wis.
Sheboygan Mattress Co., Sheboygan, Wis.
Shephard Norwell Co., 30 Winter, Boston, Mass.
Shreveport Mattress Co., Shreveport, La.
Sigmon Furniture Mfg. Co., Chickasha, Okla.
Sleep Well Mattress Co., Los Angeles, Cal.
Smith Bedding Co., Ogden, Utah
Smith Bros. & Bryon, 310 Spruce, Philadelphia, Pa.
Smith Mattress Co., Marion, O.
Smith & Jones, 216 E 37th, New York
Snell, Charles W. Co., 321 S Jefferson, Chicago, Ill.
Somelastique Bedding Co. (Cotton, Hair, Wood, etc), 301 E 22d, New York
Southern Bagging Co., Norfolk, Va.
Southern Spring Bed Co., Atlanta, Ga.
Southern Bedding Mfg. Co., Austin, Tex.
Southern Furniture Co., Texarkana, Tex.
Southern Mattress Co., 1109 Annunciation, New Orleans, La.
Specialty Mattress Co., Huntington, West Va.
Sperry & Beale Co., 141 King, Brooklyn, N. Y.
Springfield Mattress Co., Springfield, O.
Springfield Mattress Co., Springfield, Ill.
St. Louis Felt & Bedding Co., 208 S 17th, St. Louis, Mo.
Standard Bedding Co., 113 Chicago, Milwaukee, Wis.
Stearns & Foster Co., Lockland, O.
Stengel Barney, 421 9th av, New York
Stockwell L. W. Co., 400 S Alameda, Los Angeles, Cal.
Sumergrade N, 31 Tompkins, New York
Superior Mattress Co., St. Louis, Mo.
Sussman Harris, 232 E 111th, New York
Taylor Bedding Mfg. Co., Taylor, Texas
Taylor Mattress Co., Salisbury, N. C.
Taylor W. W. & Sons, Big Stone Gap, Va.
Terre Haute National Bedding Co., Terre Haute, Ind.
Threadcraft E. C., Norfolk, Va.
Tillman Brothers, La Crosse, Wis.
Toledo Mattress Factory, Toledo. O.
Towbin Louis, 296 Putnam av, Brooklyn, N. Y.
Trenton Spring Mattress Co., Trenton, N. J.
Triumph Couch Bed Co., 8 Bartlett sq, Boston, Mass.
Trouton Mattress Co., Atlanta, Ga.
Troy Woven Wire Spring Co., Troy, N. Y.
Turner Bedding Factory, Pine Bluff, Ark.
Twin City Bedding Co., Marinette, Wis.
Uchtman F. H. & Co., 209 Woodward, Cincinnati, O.
Union Mattress Co., Owosso, Mich.
Union Wire Mattress Co., Blackhawk & Cherry, Chicago, Ill.
U. S. Bedding Co., Memphis, Tenn.
United States Bedding Co., Arundel & Minnehaha, St. Paul, Minn.
Universal Safety Mattress Co., Baltimore, Md.
Utah Bedding & Mfg. Co., Salt Lake City. Utah
Utica Bedding Factory, Utica, N. Y.
Van Vorst C. B. Co., Los Angeles, Cal.
Vincent Frank J., Little Falls, N. Y.
Waco Mattress Factory, Waco, Texas
Wakeman R. & Son, Saugatuck, Conn.
Walpert Fred & Co. (Mattresses & (Steam) Curled Hair), Taylor & B. & O. R. R., Baltimore, Md.
Walsh M. S., Williamsport, Pa.
Warren Carpet Cleaning & Mattress Co., Malden, Mass.
Warshauer Alex., 124 Ralph av, Brooklyn, N. Y.
Washington Mattress Co., Seattle, Wash.
Waterbury Mattress Co., Waterbury, Conn.
Watertown Mattress Mfg. Co., Watertown, N. Y.
Wecker & Co., 1437 Milwaukee av, Chicago, Ill.
Wegman Wm. J. Co., Rochester, N. Y.
Weigell A. & Son, 320 Broadway, Milwaukee, Wis.
Weisberg Max, 375 Pacific, Brooklyn, N. Y.
Wessel Herman Mfg. Co., 624 Main, Cincinnati, O.
West End Mattress Co., 68 Pitts, Boston, Mass.
Western Furniture & Mfg. Co., Lincoln, Neb.
Western Mattress & Bedding Co., Liberty & Baymiller, Cincinnati, O.
Western Wire Mattress Co., 2401 17th, San Francisco, Cal.
Wetterhold Geo., Wichita, Kans.
Wheeling Mattress Co., Wheeling, West Va.
Wichita Mattress Co., Wichita, Kans.
Wiegner-King Co., 422 N Marshall St., Philadelphia, Pa.
Woerner M. N., 616 Blackhawk, Chicago, Ill.
Wolf Paul E. Bedding Co., Fort Wayne, Ind.
Wolfberg Jacob, Altoona, Pa.
Wuest Adam, 514 E Pearl, Cincinnati, O.
Youngstown Mattress Co., Youngstown, O.
Ziegler Bedding Co., Calumet, Mich.

## 9629— Mattresses (Air)

Mechanical Fabric Co., 40 Sprague, Providence, R. I.

## 9630—Mattresses (Cotton Felt)

See also Mattresses

Acme Mattress Co., Kansas City, Mo.
Acme Spring Bed & Mattress Co., Fort Smith, Ark.
Advance Bedding Co., La Crosse, Wis.
American Bedding Co., Superior, Wis.
Anchor Spring & Bedding Co., Nashville, Tenn.
Anderson Mattress Co., Anderson, Ind.
Angelus Couch & Furniture Mfg. Co., Los Angeles, Cal.
Athens Mattress & Spring Bed Co., Athens, Ga.
Bellingham Bedding Co., Bellingham, Wash.
Berger William & Co., 392 Florida, Milwaukee, Wis.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Boll Bros. Mfg. Co., Harrisburg, Pa.
Broadway Bedding Co., Louisville, Ky.
Buckeye Bedding Co., Dayton, O.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Colonial Bedding Co., Fredericksburg, Va.
Colorado Bedding Co., Pueblo, Colo.
Columbia Feather Co., 413 W Huron, Chicago, Ill.
Continental Bedding Co., 86 Beverly, Boston, Mass.
Continental Bedding Mfg. Co., 1636 Bryant, San Francisco, Cal.
Cream City Bedding Co., 3200 Fond du Lac av, Milwaukee, Wis.
Crescent Felt Mattress Co., 400 N Hagen Davis parkway, New Orleans, La.
Denver Bedding Co., Denver, Colo.
Burton Dixie Corp., 1319 Michigan av, Chicago, Ill.
Dubuque Mattress Factory, Dubuque, Ia.
Eau Claire Bedding Co., Eau Claire, Wis.
Falls City Bedding Co., Louisville, Ky.
Fort Pitt Bedding Co., Liverpool & Preble, Pittsburgh, Pa.
Foster Bros. Mfg. Co., 320 N Holliday, Baltimore, Md.
Graham Mattress Co., Graham, Va.
Hammond Bedding Co., Hammond, Ind.
Hard Mfg. Co., 117 Tonawanda, Buffalo, N. Y.
Haynes Mattress Factory, Sealy, Tex.
Hemenway Furniture Co., Alexandria, La.
Hot Blast Feather Co., Grand Rapids, Mich.
International Bedding Co., Guilford & Charles av, Baltimore, Md.
James River Furniture & Mattress Co., Richmond, Va.
Joppa Mattress Co., Little Rock, Ark.
King-Fisher Mattress Co., Portland, Ore.
Lewis Comyn, Charlestown, W. Va.
Little Rock Mattress Co., Little Rock, Ark.
Macon Mattress Mfg. Co., Macon, Ga.
Milwaukee Bedding Co., 292 4th, Milwaukee, Wis.
Montana Mattress & Furniture Co., Butte, Mont.
Mount Vernon Mattress & Furniture Co., Mount Vernon, Ill.
National Bedding Co., 237 S 2d, Phila., Pa.
New England Bedding Co., 321 Congress, Boston, Mass.
Norfolk Mattress Co., Norfolk, Va.
Olmsted & Tuttle Co., Chicopee,, Mass.
Orleans Felt Mattress Works, 512 Conti, New Orleans, La.
Orrville Bedding Co., Orrville, O.
Oshkosh Bedding & Couch Co., Oshkosh, Wis.
Ostermoor & Co., 116 Elizabeth, New York
Paris Mattress Mfg. Co., Paris, Tex.
Parlor Furniture & Mattress Co., Fremont, Neb.
Queen City Mattress Co., 946 Betts, Cincinnati, O.
Raider David, 108 Forsyth, New York
Rock River Cotton Co., Janesville, Wis.
Salt Lake Mattress & Mfg. Co., Salt Lake City, Utah
Sammet G. W. & Son Co., 8 Atlantic av, Boston, Mass.
Sanitary Felting & Mattress Co., South Bend, Ind.
Schaefer Joseph, Fort Wayne, Ind.
Scranton Bedding Co., Scranton, Pa.
Seattle Mattress & Uph. Co., Seattle, Wash.
Sleep Well Mattress Co., Los Angeles, Cal.
Smith Bros. & Bryan, 310 Spruce, Philadelphia, Pa.

Somelastique Bedding Co., 301 E 22d, New York
Southern Bedding Mfg. Co., Austin, Texas
Southern Mattress Co., 1109 Annunciation, New Orleans, La.
Springfield Mattress Co., Springfield, Ill.
St. Louis Felt & Bedding Co., 208 S 17th, St. Louis, Mo.
Stengel Barney, 421 9th av, New York
Stearns & Foster Co., Lockland, O.
Superior Mattress Co., St. Louis, Mo.
Taylor Mattress Co., Salisbury, N. C.
Twin City Bedding Co., Marinette, Wis.
Turner Bedding Factory, Pine Bluff, Ark.
U. S. Bedding Co., Memphis, Tenn.
Vincent Frank J., Little Falls, N. Y.
Washington Mattress Co., Seattle, Wash.
Waterbury Mattress Co., Waterbury, Conn.
Wecker & Co., 1437 Milwaukee av, Chicago, Ill.
Western Furniture & Mfg. Co., Lincoln, Neb.
Youngstown Mattress Co., Youngstown, O.
Ziegler Bedding Co., Calumet, Mich.

## 9631—Mattresses (Excelsior)

Anderson Mattress Co., Anderson, Ind.
Boll Bros. Mfg. Co., Harrisburg, Pa.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Mount Vernon Mattress & Furniture Co., Mount Vernon, Ill.
Riverside Mfg. Co., Moultrie, Ga.

## 9632— Mattresses (Hair)

See also Mattresses

Acme Mattress Co., Kansas City, Mo.
Augusta Bedding Co., Augusta, Ga.
Baker O. D. Co., 60 Canal, Boston, Mass.
Berger William & Co., 392 Florida, Milwaukee, Wis.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Boll Bros. Mfg. Co., Harrisburg, Pa.
Broadway Bedding Co., Louisville, Ky.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Burton Dixie Corp., 2024 S Racine av, Chicago, Ill.
Colonial Bedding Co., Fredericksburg, Va.
Columbia Feather Co., 413 W Huron, Chicago, Ill.
Cudahy Packing Co., 111 W Monroe, Chicago, Ill.
Eau Claire Bedding Co., Eau Claire, Wis.
Graham Mattress Co., Graham, Va.
Hard Mfg. Co., 117 Tonawanda, Buffalo, N. Y.
Hunt M. A. Co., Dempsey & C. H. & D. Ry., Cincinnati, O.
International Bedding Co., Guilford & Charles av, Baltimore, Md.
Kentucky Bedding Co., Louisville, Ky.
Kindel Bedding & Renovating Co., Denver, Colo.
Knoxville Excelsior & Mattress Co., Knoxville, Tenn.
Lewis Comyn, Charlestown, W. Va.
McHose & Pardoe, Fargo, North Dak.
Marion Mattress Co., Marion, Ind.
Mount Vernon Mattress & Furniture Co., Mount Vernon, Ill.
Nashville Spring & Mattress Co., Nashville, Tenn.
National Bedding Co., 237 S 2d, Phila., Pa.
Orleans Felt Mattress Works, 512 Conti, New Orleans, La.
Orrville Bedding Co., Orrville, O.
Ostermoor & Co., 116 Elizabeth, New York
Paris Mattress Mfg. Co., Paris, Texas
Parkersburg Mattress Co., Parkersburg, West Va.
Peerless Bedding Co., Bellefontaine, O.
Rose Spring & Mattress Co., Memphis, Tenn.
Rudge & Guenzel Co., Lincoln, Neb.
Salisbury & Satterlee Co., 201 S E Main, Minneapolis, Minn.
Salt Lake Mattress & Mfg. Co., Salt Lake City, Utah
Sammet G. W. & Son Co., 8 Atlantic av, Boston, Mass.
Sanitary Mattress Co., Youngstown, O.
Schaefer Joseph, Fort Wayne, Ind.
Schneidt-Aug. (Curled), Muskegon, Mich.
Schultz & Hirsch Co., 1300 Fulton, Chicago, Ill.
Schwartz Abraham, 62 Bergen, Brooklyn, N. Y.
Scranton Bedding Co., Scranton, Pa.
Seattle Mattress & Uph. Co., Seattle, Wash.
Sleep Well Mattress Co., Los Angeles, Cal.
Smith Mattress Co., Marion, O.
Somelastique Bedding Co., 301 E 22d, New York
Southern Mattress Co., 1109 Annunciation, New Orleans, La.
Specialty Mattress Co., Huntington, West Va.
Sperry & Beale Co., 141 King, Brooklyn, N. Y.
Springfield Mattress Co., Springfield, Ill.
St. Louis Felt & Bedding Co., 218 S 17th, St. Louis, Mo.
Stengel Barney, 421 9th av, New York
Superior Mattress Co., St. Louis, Mo.
Taylor Mattress Co., Salisbury, N. C.
Turner Bedding Factory, Pine Bluff, Ark.
Twin City Bedding Co., Marinette, Wis.
Utah Bedding & Mfg. Co., Salt Lake City, Utah
Wecker & Co., 1437 Milwaukee av, Chicago, Ill.
West End Mattress Co., 68 Pitts, Boston, Mass.
Western Mattress & Bedding Co., Liberty & Baymiller, Cincinnati, O.
Wheeling Mattress Co., Wheeling, W Va.
Wiegner-King Co., 422 N Marshall, Philadelphia, Pa.
Woll Peter & Sons, Mascher & Berks, Philadelphia, Pa.
Wuest Adam, 514 E Pearl, Cincinnati, O.
Youngstown Mattress Co., Youngstown, Ohio

## 9633—Mattresses (Silk Floss)

See also Mattresses

Advance Bedding Co., La Crosse, Wis.
Angelus Couch & Furniture Mfg. Co., 3917 S Main, Los Angeles, Cal.
Bernstein Mfg. Co., 3d & Allegheny av, Phila., Pa.
Boll Bros. Mfg. Co., Harrisburg, Pa.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Colonial Bedding Co., Fredericksburg, Va.
Colorado Bedding Co., Pueblo, Colo.
Enterprise Mattress Co., 29 Beverly, Boston, Mass.
International Bedding Co., Guilford & Charles av, Baltimore, Md.
Milwaukee Bedding Co., 292 4th, Milwaukee, Wis.
Norfolk Mattress Co., Norfolk, Va.
Orleans Felt Mattress Works, 512 Conti, New Orleans, La.
Orrville Bedding Co., Orrville, O.
Oshkosh Bedding & Couch Co., Oshkosh, Wis.
Robinson-Roders Co., 27 N. J. R. R. av, Newark, N. J.
Schwartz Abraham, 62 Bergen, Brooklyn, N. Y.
Sperry & Beale Co., 141 King, Brooklyn, N. Y.
Springfield Mattress Co., Springfield, Ill.
Stengel Barney, 421 9th av, New York
Taylor Mattress Co., Salisbury, N. C.
Twin City Bedding Co., Marinette, Wis.
Warren Carpet Cleaning & Mattress Co., Malden, Mass.
Wecker & Co., 1437 Milwaukee av, Chicago, Ill.
Wuest Adam, 514 E Pearl, Cincinnati, O.

## 9634—Mattresses (Woven Wire)

See also Mattresses

Abbott John G. (Est. of), Antrim, N. H.
Acme Spring Bed & Mattress Co., Fort Smith, Ark.
Advance Bedding Co., La Crosse, Wis.
American Bed Co., 1820 McNulty, St. Louis, Mo.
Anchor Spring & Bedding Co., Nashville, Tenn.
Anderson Mattress & Spring Bed Co., Anderson, S. C.
Athens Mattress & Spring Bed Co., Athens, Ga.
Automatic Woven Wire Supply Co., Mangin & Delancey, New York
Barber Mfg. Co., Anderson, Ind.
Berger William & Co., 392 Florida, Milwaukee, Wis.
Bernstein Mfg. Co., 3d & Alleghany, Phila., Pa.
Billow-Firestone Co., Columbus, O.
Bloom & Godley Co., Trenton, N. J.
Boll Bros. Mfg. Co., Harrisburgh, Pa.
Brandt A. Upholstering Co., Fort Worth, Texas
Brown Bed Mfg. Co., Kansas City, Mo.
Bunting J. R. Bedding Co., 1505 Wharton, Phila., Pa.
Carlson L. M., Grand Island, Nebr.
Carmen Mfg. Co., Portland, Ore.
Carthage Superior Spring Bed Mfg. Co., Carthage, Mo.
Champion Bed Spring Co., E 37th, Cleveland, O.
Cleveland Wire Spring Co. ("Hercules"), 1281 E 38th, Cleveland, O.
Clinton Furniture Co., Clinton, Ia.
Corry Bed Spring Co., Corry, Pa.
Cream City Bedding Co., 3200 Fond du Lac av, Milwaukee, Wis.
Crescent Bed Co., Ltd., 2662 Gravier, New Orleans, La.
Curtiss Bros., Richland, N. Y.
Deinzer Mfg. Co., 57 Catherine, Detroit, Mich.
Dubuque Mattress Factory, Dubuque, Ia.
Eckerson Bedding Co., Mechanicsville, N. Y.
Empire Spring Bed Works, Elmira, N. Y.
Englander Spring Bed Co., 3943 Lowel Ave., Chicago, Ill.
Enterprise Bed Co., Hammond, Ind.
Evansville Metal Bed Co., Evansville, Ind.
Evansville Surprise Bed Spring Co., Evansville, Ind.
Florida Spring Bed Mfg. Co., Jacksonville, Fla.
Foster Bros. Mfg. Co., 320 N Holliday, Baltimore, Md.
Foster Bros. Mfg. Co., B'way & Buchanan, St. Louis, Mo.
Foster Bros. Mfg. Co., ("Fosterlink") Utica, N. Y.
Gallup & Lewis, Jackson, Mich.
Gangelhoff Bros., 909 S 2nd, Minneapolis, Minn.
Gasau-Thompson Co., 10 Ashland pl, Brooklyn, N. Y.
Gholstin Spring Mattress Co., Atlanta, Ga.
Gladstone Mattress Co., Huntington, W. Va.
Greenpoint Metallic Bed Co., Atlantia, Ga.
Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.
Hard Mfg. Co., 117 Tonawanda, Buffalo, N. Y.
Hasselbarth C. O., Albany, N. Y.
Hasselbarth-Whiton Co., Utica, N. Y.
Herr Mfg. Co., Lancaster, Pa.
Hodges F. G., Reading, Pa.
Holman John & Co., 134 Richmond, Boston, Mass.
Hunt Spring Bed Co., Chattanooga, Tenn.
Huntington Spring Bed Co., Huntington, W. Va.
Jamestown Spring Bed Co., Jamestown, N. Y.
Karr Francis Co., 1322 W Monroe, Chicago, Ill.
Kauffman Mfg. Co., Ashland, O.
Kinney-Rome Co., 3617 S Racine av, Chicago, Ill.
Lariew J. R., Elmira, N. Y.
Leggett & Platt Spring Bed & Mfg. Co., Carthage, Mo.
Logan A. J. Co., 29th & Liberty, Pittsburgh, Pa.
Manhattan Spring Bed Co., 9 Elizabeth, New York
Mellow & Storm Mfg. Co., 10th & Mullanphy, St. Louis, Mo.
Metal Furniture Co., Evansville, Ind.
Metzger Mattress Co., Atlanta, Ga.
Milwaukee Woven Wire Works, 3014 Clarke, Milwaukee, Wis.
Morrow Jas. R., Fort Wayne, Ind.
Moore Mfg. Co., Muncie, Ind.
Myers-Spalti Mfg. Co., Houston, Texas.
National Bedding Co., 237 S 2nd, Phila., Pa.
National Spring Bed Co., New Britain, Conn.
Newark Spring Mattress Co., 80 Madison, Newark, N. J.
New England Bedding Co., 321 Congress, Boston, Mass.
New Haven Spring Bed Co., New Haven, Conn.
Norfolk Mattress Co., Norfolk, Va.
Ohio Spring Bed Co., 1281 E 38th, Cleveland, O.
Oklahoma Spring Bed Mfg. Co., Oklahoma, Oklahoma
Pacific Spring Bed Co., Berkeley, Cal.
Pacific Steel Furniture Mfg. Co., Seattle, Wash.
Palmer Galvanic Bed Co., 231 E 9th, New York
Perfection Bed Spring Co., Mansfield, O.
Pittsburgh-Hickson Co., Butler, Pa.

MATTRESSES (WOVEN WIRE)—cont.

Pittsburgh Metal Bed Co., 1136 Brown, Pittsburgh, Pa.
Premier Spring Bed Co., 218 Utah, San Francisco, Cal.
Preuss R. J. Co., 388 38th, Milwaukee, Wis.
Puritan Bed Spring Co., 902 Kentucky av, Indianapolis, Ind.
Queen City Iron Folding Bed Co., 26 W 3d, Cincinnati, O.
Reilly & Manz, 192 R R av, Jersey City, N. J.
Rogers Chas. P. & Co., 14 E 33rd, New York
Rose Spring & Mattress Co., Memphis, Tenn.
Rudgear-Merle Co., Bay & Stockton, San Francisco, Cal.
Sammet G. W. & Son Co., 8 Atlantic av, Boston, Mass.
Sanitary Folding Bed & Mfg. Co., Kansas City, Mo.
Schmitt & Henry Mfg. Co., Des Moines, Ia.
Schomer Henry Co., 509 Mather, Chicago, Ill.
Shannon Bed Spring Co., Louisville, Ky.
Simmons Co., Kenosha, Wis.
Smith & Davis Mfg. Co., 20th & Locust, St. Louis, Mo.
Somelastique Bedding Co., 301 E 22nd, New York.
Southern-Rome Co., 623 W Pratt, Baltimore, Md.
Southern Spring Bed Co., Atlanta, Ga.
Staples & Hanford Co., Newburgh, N. Y.
Sussman Harris, 232 E 111th, New York
Trenton Spring Mattress Co., Trenton, N. J.
Troy Woven Wire Spring Co., Troy, N. Y.
Turk Jos. Mfg. Co., Bradley, Ill.
Union Wire Mattress Co., Blackhawk & Cherry, Chicago, Ill.
U. S. Cabinet Bed Co., 336 Delancey, New York
United States Spring Bed Co., Springfield, Mass.
Van Vorst C. B. Co., Los Angeles, Cal.
Victor Spring Bed Co., 208 W. Robinson, Pittsburgh, Pa.
Vincent-Alward Co., Kenosha, Wis.
Wagner Spring Bed Mfg. Co., Holyoke, Mass.
Weborg Bros. Spring Bed Co., Jamestown, N. Y.
Weisglass S. & Co., 13 Montana av, B'klyn, N. Y.
West End Spring Bed Co., 66 Pitts, Boston, Mass.
Western Wire Mattress Co., 16th & San Bruno av, San Francisco.
York Woven Wire Mattress Co., York, Pa.
Zimmer Geo. W., 2743 High, Chicago, Ill.

## 9635— Mauls (Coal)

Beall Bros. (Long & Short), Alton, Ill.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*

## 9636—Mauls (Post, Cast Iron, Etc.)

Barber Mfg. Co., Ashtabula, O.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Eagle Machine Co., Lancaster, O.
Fate-Root Heath Co., Plymouth, Ohio
Gowanda Agricultural Works, Gowanda, N. Y.
Indiana Foundry Co., Indiana, Pa.
Lyon Iron Works, Greene, N. Y.
McDowell Foundry Co., Chicago Heights Ill.
Munnsville Plow Co. (Also Stone Breaking), Munnsville, N. Y.
Quinn Wire & Iron Works, Boone, Ia.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Rock Island Mfg. Co., Rock Island, Ill.
**SOUTH BEND FOUNDRY CO.,** South Bend, Ind.
Sperry D. R. & Co. (Pig, Metal & Wood Face), Batavia, Ill.
Swett A. L. Iron Works, Medina, N. Y.
Thayer Foundry Co., Atchison, Kans.
Wagner Mfg. Co., Sidney, O.
Wapak Hollowware Co., Wapakoneta, O.
Weller Hardware & Fdry. Co., Horseheads, N. Y.
Western Fdry. & Sash Weight Co., 2nd & Miller, St. Louis, Mo.
Western Implemeent Co., Port Washington, Wis.
Western Iron & Foundry Co., Wichita, Kans.

## 9637— Mauls (Post, Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 West Van Buren, Chicago, Ill. *See adv index at end of book*
Hellenberg J. B. Co. (Plumbers & Well Drillers), Coldwater, Mich.
Kohaut John C., 117 Green, Newark, N. J.
New York Mallet & Handle Wks., 742 E 11th, New York
Prouty C. & Co., Eldred, Pa.
Stossel Carl Sons & Co. (Boilermakers, etc), Front Royal, Va.
Tatem J. B. & Son (Heavy), Putnam, Conn.
Woodstock Mfg. Co., Charleston, S. C.

## Mauls (Railroad or Spike)

See Mauls, Regular Line.

## Mauls (Rawhide)

See Mallets, Rawhide

## 9638— Mauls (Regular Line)

See also Hammers, Heavy

Beall Bros., Alton, Ill.
Black John B., Co., Chester, Pa.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York.
Collins Co., Collinsville, Conn.
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Evansville Tool Works, Evansville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 West Van Buren, Chicago, Ill. *See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co. (Cast Steel), 13th & Breed, Pittsburgh, Pa.
Lehr Agricultural Co. (Wood Choppers Only), Fremont, Ohio
McInnes Steel Co. (Ltd.), (Wood Choppers), Corey, Pa.
Plumb Lafayette R. (Inc.), Tucker & James, Phila., Pa.
Prouty C. & Co. (Wood Choppers), Eldred. Pa.
Stanley Rule & Level Co. (Atha Division) New Britain, Conn.
Swett A. L. Iron Works. Medina. N. Y.
Verona Tool Works, Oliver bldg, Pittsburgh, Pa., & Verona, Pa.
Warren Tool & Forge Co. (Woodchopper & Spike), Warren, O. *See adv index at end of book*
Warwood Tool Co., Warwood, Wheeling, W. Va.
Wilcox, Crittenden & Co., Inc. (Ship Only), Middletown, Conn. *See adv index at end of book*

## 9639— Mauls (Sewer)

Channon Jas. H. Mfg. Co. (Wood), 227 W Erie, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 West Van Buren, Chicago, Ill. *See adv index at end of book*
Ransome Concrete Machinery Co. (Maple, Iron Bound), Dunellen, N. J.
Stossell, Carr Sons & Co. ("Hickory Iron Bound"), Front Royal, Va.

## Mauls (Ship or Top)

See Mauls, Regular Line

## Mauls (Woodchoppers')

See Mauls, Regular Line

## 9640— Mauls (Wooden)

See also Mauls, Post, Wooden

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Mausoleum Doors & Gates

See Bronze Doors

## 9641— Meal (Alfalfa)

Clinton Alfalfa Milling Co., Clinton, O.
Falls City Mill and Feed Co.
Hord T. B. Alfalfa Meal Co., Central City, Neb.
International Sugar Feed Co., 15 av S E & Rollins, Minneapolis, Minn.
Mitchell Alfalfa Milling & Light Co., Mitchell, Neb.
Omaha Alfalfa Milling Co., Omaha, Neb.
Pecos Valley Alfalfa Mill Co., Hagerman, New Mexico
Thompson C. C. & Co., 43 S 11th, Newark, N. J.
Tioga Mill & Elevator Co., Waverly, N. Y.
Weiss Otto Milling Co., Wichita, Kans.
York Alfalfa Mills, York, Neb.

## 9642— Meal (Almond)

Freeman Perfume Co., Cincinnati, O.
Holton & Adams, 29 E 22d, New York
Napier Chemical Co., 80 Pearl, New York
Peroxident Mfg. Co., 3007 Arsenal, St. Louis, Mo.
Salem Chemical & Supply Co., Salem, Mass.
Vail Bros., 2344 N 5th, Phila, Pa.

## 9643— Meal (Cottonseed)

American Cotton Oil Co., 65 B'way, New York
Amsler C. (Est. of), Hempstead, Tex.
Anderson Phosphate & Oil Co., Anderson, S. C.
Ashcraft, Wilkinson Co., Atlanta, Ga.
Atlanta Cotton Oil Co., Atlanta, Ga.
Austin Oil Mfg. Co., Austin, Tex.
Autauga Oil & Fertilizer Co., Prattville, Ala.
Bertie Cotton Oil Co., Aulander, N. C.
Blackshear Manufacturing Co., Blackshear, Ga.
Blossom Oil & Cotton Co., Blossom, Tex.
Blue Ridge Cotton Oil Co., Travelers Rest, S. C.
Boaz Cotton Oil Co., Boaz, Ala.
Bowie County Cotton Oil Co., New Boston, Tex.
Brenham Compress Oil & Mfg. Co., Brenham, Tex.
Brookhaven Cotton Oil & Fertilizer Co., Brookhaven, Miss.
Brownsville Cotton Oil & Ice Co., Brownsville, Tenn.
Bryan Cotton Oil & Fertilizer Co., Bryan, Tex.
Butler Cotton Oil Co., Albertville, Ala.
Caldwell Oil Mill Co., Caldwell, Tex.
Cameron Oil Mill, Cameron, S. C.
Campobello Oil Mills, Campobello, S. C.
Canon Oil & Fertilizer Co., Canon, Ga.
Central Cotton Oil Co., Jackson, Miss.
Chatham Oil & Fertilizer Co., Pittsboro, N. C.
Cheraw Oil & Fertilizer Co., Cheraw, S. C.
Clarendon Cotton Oil Co., St. Paul, S. C.
Clay County Oil Mill & Fertilizer Co., Lineville, Ala.
Clayton Oil Mill, Clayton, N. C.
Clinton Oil Mills, Clinton, S. C.
Cochran Oil Mill & Ginnery, Cochran, Ga.
Columbia Cotton Oil Co., Magnolia, Ark.
Comer Oil Mill, Comer, Ga.
Commonwealth Cotton Oil Co., Cushing, Okla,
Concordia Oil Mills Co., Vidalia, La.
Consumers' Cotton Oil Mills, 39 S La Salle, Chicago, Ill.
Coronaca Oil Mill, Coronaca, S. C.
Corsicana Cotton Mills, Corsicana, Tex.
Cotton Oil Co., Bamberg, S. C.
Cotton Oil & Ginning Co., Scotland Neck, N. C.
Coweta Cotton Oil Mill, Newnan, Ga.
Cross Anchor Oil Co., Cross Anchor, S. C.
Cuero Cotton Oil & Manufacturing Co., Cuero, Tex.
Cumming Oil & Fertilizer Co., Cumming, Ga.
Dadeville Cotton Oil Co., Dadeville, Ala.
Dallas Oil & Refining Co., Dallas, Tex.
Denmark Oil & Fertilizer Co., Denmark, S. C.
Deport Cotton Seed Oil Co., Deport, Tex.
De Soto Cotton Oil Co., Mansfield, La.
De Soto Oil Co., Memphis, Tenn.
Detroit Oil & Cotton Co., Detroit, Texas
Dixie Cotton Oil Mill, Little Rock, Ark.
Dodd City Oil Mill Co., Dodd City, Texas

Donalds Oil Mill Co., Donalds, S. C.
Donaldsonville Oil Mill, Donaldsonville, Ga.
Dunn Oil Mills Co., Dunn, N. C.
Easley Oil Mill Co., Easley, S. C.
Eastern Cotton Oil Co., Hertford, N. C.
Eastman Oil Mills, Jonestown, Miss.
Elba Manufacturing Co., Charlotte, N. C
Elberton Oil Mills, Atlanta, Ga.
Elgin Cotton Oil Co., Elgin, Texas
Empire Cotton Oil Co., Bainbridge, Ga.
Enterprise Cotton Oil Co., Enterprise, Ala.
Farmer's Cotton Oil Co., Farmersville, Texas
Farmer's Cotton Oil Co., La Grange, Ga.
Farmers' Cotton Oil Co., Wilson, N. C.
Farmer's Cotton Oil & Fertilizer Co., Toccoa, Ga.
Farmer's Cotton Seed Oil Mill, Martin, Ga.
Farmer's Oil Mill, Newberry, S. C.
Farmer's Oil Mill, Royston, Ga.
Farmville Oil & Fertilizer Co., Farmville, N. C.
Fayetteville Oil Co., Fayetteville, Ga.
Fitzgerald Cotton Oil Co., Fitzgerald, Ga.
Fletcher W. B. & J. A., McColl, S. C.
Florida Cotton Oil Co., Chattanooga, Tenn.
Florida Cotton Oil Co., Jacksonville, Fla.
Fork Township Oil Mill, Townville, S. C.
Forney Cotton Oil & Ginning Co., Forney, Texas
Fremont Oil Mill Co., Fremont, N. C.
Glen Allan Oil Mill, Glen Allan, Miss.
Gonzales Cotton Oil & Mfg. Co., Gonzales, Texas
Grandview Cotton Oil Mill, Grandview, Texas
Hartsville Oil Mill, Hartsville, S. C.
Havens Oil Co., Washington, N. C.
Hazlehurst Oil Mill & Fertilizer Co., Hazlehurst, Miss.
Heller Jos. S., 62 William, New York
Henderson Cotton Oil & Gin Co., Henderson, Texas
Hico Oil Mill, Hico, Texas
Highland Park Manufacturing Co., Charlotte, N. C.
Homer Cotton Oil Co., Homer, La.
Huntsville Cotton Oil Co., Huntsville, Texas
Huntsville Warehouse Co., Huntsville, Ala.
Independent Oil & Fertilizer Works, Columbus, Miss.
Indianola Cotton Oil Co., Indianola, Miss.
International Vegetable Oil Co., Atlanta, Ga.
Italy Cotton Oil Co., Italy, Texas
Jacksboro Oil & Milling Co., Jacksboro, Texas
Jefferson Oil & Fertilizer Co., Jefferson, S. C.
Jersey Oil Mill Co., Jersey, Ga.
Jonesville Oil Mill, Jonesville, S. C.
Kerens Cotton Oil Co., Kerens, Texas
Kershaw Oil Mills, Kershaw, S. C.
Kings Mountain Cotton Oil Co., Kings Mountain, N. C.
Kyle Oil & Gin Co., Kyle, Texas
La Fayette Cotton Oil Mills, La Fayette, Ala.
Laurel Oil & Fertilizer Co., Laurel, Miss.
Laurinburg Oil Co., Laurinburg, N. C.
Leder Oil Co., Demopolis, Ala.
Leesville Oil Mill Co., Leesville, S. C.
Lester-Ricks Oil Co., Byromville, Ga.
Lockhart Oil & Gin Co., Lockhart, Texas
Logan County Cotton Oil Co., Paris, Ark.
Lone Oak Oil Mill Co., Lone Oak, Texas
Longbridge Cotton Oil Co., Longbridge, La.
Longview Cotton Oil Co., Longview, Texas
Lowndesville Cotton Oil Co., Lowndesville, S. C.
McDonald & Weaver, Cuthbert, Ga.
Macon County Oil Co., Tuskegee, Ala.
Mandeville Mills. Carrollton. Ga.
Mangum Cotton Oil Co., Mangum, O.
Manning Oil Mill, Manning, S. C.
Marion Cotton Oil Co., Marion, S. C.
Meridian Fertilizer Factory, Meridian, Miss.
Monroe Oil & Fertilizer Co., Monroe, Ga.
Montezuma Mfg. Co., Montezuma, Ga.
Morrillton Cotton Oil Co., Morrillton, Ark.
Morton Oil Mills, Millen, Ga.
Munger Oil & Cotton Co., Mexia, Texas
New Bern Cotton Oil & Fertilizer Mills, New Bern, N. C.
New Roads Oil Mill & Mfg. Co., New Roads, La.
Omaha Cotton Oil Co., Omaha, Texas
Osceola Cotton Oil Co., Osceola, Ark.
Palmetto Oil Co., Bishopville, S. C.
Pauline Oil & Fertilizer Co., Pauline, S. C.
Pelham Oil & Fertilizer Co., Pelham, Ga.
Pendleton Oil Mill, Pendleton, S. C.
People's Cotton Oil Co., Selma, Ala.
Peoples' Oil & Fertilizer Co., Anderson, S. C.
Perkins Oil Co., Memphis, Tenn.
Phoenix Cotton Oil Co., Memphis, Tenn.
Pickens Oil & Fertilizer Co., Pickens, S. C.
Pilot Point Cotton Oil Mill Co., Pilot Point, Texas
Pine Level Oil Mills Co., Pine Level, N. C.
Pittsburg Cotton Oil Co., Pittsburg, Texas
Planters' Chemical Oil Co., Talladega, Ala.
Planters' Cotton Oil Co., Augusta, Ga.
Planters' Cotton Oil & Fertilizer Co., Rockymount, N. C.
Planters' Oil Co., Albany, Ga.
Planters' Oil Mill, Tunica, Miss.
Planters' Oil Mill & Gin Co., Kosciusko, Miss.
Pomaria Oil Manufacturing Co., Pomaria, South Carolina
Pontotoc Cotton Oil Co., Pontotoc, Miss.
Port Gibson Oil Works, Port Gibson, Miss.
Producers' Cotton Oil Co., Yazoo City, Miss.
Red River Oil Co., Alexandria, La.
Refuge Cotton Oil Co., Vicksburg, Miss.
Ridge Spring Oil Mill, Ridge Spring, South Carolina
Roanoke Oil Co., Roanoke, Ala.
Roberts Cotton Oil Co., Memphis, Tenn.
Rockwall Cotton Oil Co., Rockwall, Tex.
Rose City Cotton Oil Mill, Little Rock, Ark.
Rosebud Oil & Cotton Co., Rosebud, Texas
Rowesville Oil Co., Rowesville, South Carolina
Roxton Cotton Oil Co., Roxton, Texas
Royse Oil Mill Co., Royse City, Texas
Rutledge Oil Co., Rutledge, Ga.
Ryan Cotton Oil Co., Ryan, Okla.
Schmidt G. L., Lincoln, Ala.
Schumacher H. Oil Works, Navasota, Tex.
Sea Island Cotton Oil Co., Charleston, South Carolina
Senatobia Cotton Oil Co., Senatobia, Miss.
Seneca Oil Mills, Seneca, South Carolina
Seymour Cotton Oil Co., Seymour, Texas
Shelby Oil Co., Shelby, Miss.
Simpsonville Oil Mill, Simpsonville, South Carolina
Southern Cotton Oil Co. (& Peanut Cocoanut), 120 B'way, New York
Spring Hope Cotton Oil Co., Spring Hope, North Carolina
Stamford Oil Mill Co., Stamford, Texas
Standard Chemical & Oil Co., Troy, Ala.
Steinhardt & Co., 926 Gravier, New Orleans, La.
Strother & Phinney, West Union, South Carolina
Stroud Cotton Oil Co., Stroud, Okla.
Tallassee Oil & Gin Co., Tallassee, Ala.
Tar River Oil Co., Tarboro, North Carolina
Taylor Oil Mill, Taylor, Texas.
Tecumseh Oil & Cotton Co., Sherman, Tex.
Timmonsville Oil Co., Timmonsville, South Carolina
Tupelo Oil & Ice Co., Tupelo, Miss.
Tuscaloosa Cotton Seed Oil Co., Tuscaloosa, Ala.
Tiger-Shoals Milling Co., Wellford, S. C.
Tyler Cotton Oil Co., Tyler, Texas
Union Seed & Fertilizer Co., 65 B'way, New York
Uniontown Cotton Oil Co., Uniontown, Ala.
Universal Oil Co., Wilmington, North Carolina
Upson County Oil Mills, Thomaston, Ga.
Valley Mills Cotton Oil Co., Valley Mills, Texas
Van Alstyne Cotton Oil Co., Van Alstyne, Texas
Verner Oil Co., Lattimore, North Carolina
Walker Bros. Co., Griffin, Ga.
Washington Oil Co., Washington, La.
Wesson Cotton Oil & Fertilizer Co., Wesson, Miss.
Westminster Oil & Fertilizer Co., Westminster, South Carolina
Whitewright Oil Mill Co., Whitewright, Texas
Wichita Cotton Oil Co., Wichita Falls, Tex.
Wilkinsville Cotton Oil Co., Wilkinsville, S. C.
Willmont Oil Mills, Pelzer, S. C.
Wills Point Cotton Oil Co., Wills Point, Tex.
Wilmot Oil Mills, Wilmot, Ark.
Winnsboro Cotton Oil Co., Winnsboro, Tex.
Winona Oil & Mfg. Co., Winona, Miss.
Woodbury Oil Mills, Woodbury, Ga.
Woodruff Oil & Fertilizer Co., Woodruff, S. C.
Yoakum Cotton Oil Co., Yoakum, Tex.
Yorktown Cotton Oil & Mfg. Co., Yorktown, Tex.

## 9644— Meal (Polishing)

Peckham Mfg. Co. (Smooth Leather), Newark, N. J.

## 9645—Measures (Automobile Gasoline)

Iddings Co. ("Auto" Combination), Warren, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Louisiana Metal Cabinet Works (Also Oil), 1019 Bienville, New Orleans, La.
National Marine Lamp Co., Forestville, Conn.
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.

## 9646—Measures (Copper, Liquid, Etc.)

Kraft A. C., 323 W Lake, Chicago, Ill.
Ray Geo. A. Mfg. Co., Buffalo, N. Y.

## 9647— Measures (Dry)

Acme Sheet Metal Co. ("McKine"), Martins Ferry, Ohio
Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Cordley & Hayes ("Fibrotta" Paper Fibre), 7 Leonard, New York
Richmond Cedar Works ("Anchor Brand," White Cedar & Cypress), Fulton—Richmond, Va.
Rochester Can Co. ("Iron Horse" Galvanized Iron), Rochester, N. Y.
*See adv index at end of book*
Strong Mfg. Co., Sebring, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (Galvanized & Japanned), Wheeling, W. Va.

## 9648— Measures (End)

Slocomb J. T. Co., 35 Oxford, Providence, R. I.

## 9649—Measures (Family, Grocers', Etc.)

Central Stamping Co., 172 Fulton, New York
National Enameling & Stamping Co., 411 5th av, New York

## 9650—Measures (Galvanized Iron)

Central Stamping Co., 172 Fulton, New York
Crunden Martin Mfg. Co., 2nd & Gratiot, St. Louis, Mo.
Kraft A. C. (Liquid), 323 W Lake, Chicago, Ill.
Lisk Mfg. Co. (For Grain, etc), Canandaigua, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
Rochester Can Co. ("Iron Horse" Dry), Rochester, N. Y.
*See adv index at end of book*

## 9651— Measures (Liquid)

Cordley & Hayes ("Fibrotta" Paper Fibre), 7 Leonard, New York
Fairbanks Co., 416 Broome, New York
Guarantee Liquid Measure Co., Union Arcade bldg, Pittsburgh, Pa.
Kraft A. C. ("Oyl-Rye" Galv. Tin & Copper), 323 W Lake, Chicago, Ill.
Lalance & Grosjean Mfg. Co. (Enameled Iron, Tin, etc), 299 B'way, New York
Schaffer Engineering & Equipment Co., Peoples Bank Bldg., Pittsburgh, Pa.
*See adv index at end of book*

## 9651a—*Measures (Rule & Yard)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book.*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

## 9652— Measures (Tin)

Sexton Can Co. (For Liquids, etc.), 123 Broad, Boston, Mass.

## 9653-4— Measures (Water)

**Schaffer Engineering & Equipment Co.,**
Peoples Bank Bldg., Pittsburgh, Pa.
*See adv index at end of book*

## 9655— Meat Packers

### ALABAMA.

BIRMINGHAM—Birmingham Packing Co.

### CALIFORNIA.

LOS ANGELES—Cudahy Packing Co.
Hauser Packing Co., 2300 E 9th
Pacific Coast Beef & Provision Co.,
MARYSVILLE—Moran Co.
Valley Meat Co.
OAKLAND—Grayson-Owen Co.
Oakland Meat & Packing Co.
SACRAMENTO—Clauss & Kraus
Schmid & Parker Packing Co.
SAN FRANCISCO—Buttgenbach Jos. & Co., 336 4th
Heineman & Stern, 1040 McAllister
Kingan & Co. (Ltd.), 444 Drumm
Rathjens & Kupfer, 1331 Pacific
Roth-Blum Packing Co., 1490 Fairfax
South San Francisco Packing & **Provision Co., 407 Front**
Western Meat Co., 6th & Townsend

### COLORADO.

COLORADO SPRINGS — **Smith Packing Co.**
DENVER—Burkhardt Packing & Provision Co.
Coffin Packing & Provision Co.
Colorado Packing & Provision Co.
Denver Packing & Provision Co.
K. & B. Packing & Provision Co.
Standard Meat & Live Stock Co.
PUEBLO—**Nuckolls Packing Co.**

### CONNECTICUT.

BRIDGEPORT—McNamara Thos. J. Co.
NEW HAVEN—Sperry & Barnes Co.
NORWICH—Davis C. H. & Co., Inc.

### DELAWARE.

MOUNT CUBA—Hoopes Isaac W.
WILMINGTON—Bierman John A.
**Hart & Bro. Co.**
**Martin D. B. Co.**
Mammele C. C. & Son

### DISTRICT OF COLUMBIA.

BENNINGS—Loffler A. Provision Co.

### FLORIDA.

JACKSONVILLE—Kingan & Co. (Ltd.)

### GEORGIA.

ATLANTA—White Provision Co.
SAVANNAH—Savannah Abattoir & Packing Co.
South Atlantic Packing & Provision Co.

### IDAHO.

BOISE—Boise Butcher Co., Ltd.
Idaho Provision & Packing Co.
EAGLE—Boise Valley Packing Co.
MOSCOW—Hagan & Cushing Co.

### ILLINOIS.

ALTON—Luer Bros., Packing & Ice Co.
CAIRO—Bucher E. Packing Co.
CHICAGO—Acme Packing Co., 2226 S La Salle
Agar Provision Co., 310 N Green
Anglo-American Provision Co., Union Stock Yards
Armour & Co., 208 S La Salle
**Arnold Brothers, 660 West Randolph**
Boyd, Lunham & Co., 208 S La Salle
Brennan Packing Co., 39th & Normal av
Chicago Butchers' Packing Co., 216 **North Peoria**
Chicago Packing Co., 4535 Gross av
Cudahy Packing Co., 111 W Monroe
Dahmke John J. **A. Packing Co., 2334** W. Lake
Fulton Packing Co., 820 Fulton
Gabel Packing Co., 221 N Peoria
Guggenheim Brothers, 46th & Packers av
Hammond G. H. Co., Union Stock Yards
Hetzel & Co., 1743 Larrabee
Independent Packing Co., 41st & Halsted
Jourdan Packing Co. (Pork), 1814 W 20th
Libby, McNeil & Libby, 300 W S Water
Mayer O. F. & Bro., Beethoven pl & Sedgwick
**Miller & Hart, Inc., Un. Stock Yards**
Morris & Co., Union Stock Yards
Morton Gregson Co., 80 E Jackson blvd
Omaha Packing Co., 2320 S Halsted
Pearse Howard, W 46th & Packers av
Pfaelzer L. & Sons, 3927 S Halsted
Pond E. K. Packing Co., 517 W 24th pl
Roberts & Oake, 45th & S Racine av
Siegel-Hechinger Packing & Provision Co., 38th & Gage
Swift & Co., Union Stock Yards
United Butchers' Packing Co., 913 Fulton
Vette & Zuncker, 220 N Green
Western Packing & Provision Co., 3854 S Morgan
Wilson & Co., Inc., Union Stock Yards
Zeiger G. W. Co., 517 W Chicago av
DANVILLE—Campbell Brothers Co.
DECATUR—Danzeisen Packing Co.
EAST ST. LOUIS—East Side Packing Co
ELGIN—Kerber Packing Co.
JACKSONVILLE — Jacksonville Packing Co.
MATTOON—Steidl Brothers
**PEORIA—Godel E. & Sons**
McDonough E. J. & Co.
Wilson Provision Co.
ROCKFORD—Carty-Dever Co.
Oake Packing Co.
Schmauss Co.
SPRINGFIELD—Franz Brothers Packing Co.
STEWARDSON—Stewardson Packing Co

### INDIANA.

EVANSVILLE—Evansville Packing Co.
Schmadel Packing & Ice Co.
FORT WAYNE—Eckart Fred Packing Co.
Laurents & Hartshorn Packing Co.
Leikauf Packing Co.
INDIANAPOLIS—Brown Brothers, 534 W Ray
Indianapolis Abattoir Co., W. Morris & White River
Kingan & Co., Ltd., West End, Maryland & Blackford sts
Meier Packing Co., 577 W Ray
Moore & Co.
Worm & Co., Ray & Dakota
LAFAYETTE—Dryfus Packing & Provision Co.
LOGANSPORT—Routh W. C. & Co.
MARION—Ballard Packing Co.
MUNCIE—Cavanaugh Packing Co.
Kuhner Packing Co.
RICHMOND—Stolle Anton & Sons
TERRE HAUTE—Ehrmann & Co.
Home Packing & Ice Co.

### IOWA.

ALBIA—Albia Packing Co.
CEDAR RAPIDS—Sinclair T. M. & Co., Ltd.
DAVENPORT—Kohrs Packing Co.
DES MOINES—Iowa Packing Co.
DUBUQUE—Dubuque Packing Co.
Frith's Union Slaughter House
Rath Geo. C. & Sons
FORT MADISON—Schaper & Koch
MASON CITY—Decker Jacob E. & Sons
OTTUMWA—Morrell John & Co.
SIOUX CITY—Armour & Co.
Cudahy Packing Co.
WATERLOO—Rath Packing Co.

### KANSAS.

ARKANSAS CITY—Henneberry & Co.
HUTCHINSON—Winchester Packing Co.
KANSAS CITY—Armour & Co.
Cochrane Packing Co.
Fowler Packing Co.
Morris & Co.
Swift & Company
LEAVENWORTH—Schalker Packing Co.
PITTSBURG—Hull & Dillon Packing Co.
TOPEKA—Wolff Chas. Packing Co.
WICHITA—Cudahy Packing Co.
Dold Jacob Packing Co.

### KENTUCKY.

COVINGTON—Rice C. Packing Co.
LOUISVILLE—Armour & Co.
Bornwasser Louis P. Co.
Klarer Provision Co.
Louisville Provision Co.
Vissman C. F. & Co.

### MAINE.

AUBURN—Merrow Packing Co.
Penley E. W.
Sutton John P. & Co.
BANGOR—Fickett O. A. Co.
Joy A. W. Co.
PORTLAND—Kern Jno. & Son.
ROCKLAND—Thorndike & Hix.

### MARYLAND.

BALTIMORE—Armour & Co., 335 W Pratt
Corkran, Hill & Co., Union Stock Yards
George & Co., 404 S. Charles
Greenwald Packing Co., Brunswick nr Wilkens av
Hohman C. & Sons, 2038 E Monument
Jones & Lamb Co., 106 South
Kriel Chas. G., 7 W Henrietta
Kurdle Thos. J., 3811 Eastern av
Kurrle Packing Co., 23 Taylor
Martin D. B. Co., Brunswick nr Wilkens

### MASSACHUSETTS.

BOSTON—Batchelder & Snyder Co., 55 Blackstone
Cunningham A. J. Co., 34 Blackstone
Cunningham Packing Co., 84 S Market
Morrell John & Co., 75 Commercial
New England Dressed Meat & Wool Co., 41 N Market
North Packing & Provision Co., 43 N Market
Squire J. P. & Co., 39 No Market
Sturtevant & Haley Beef & Supply Co., 40 F H Market
CAMBRIDGE—Squire J. P. & Co.
SOMERVILLE—New England Dressed Meat & Wool Co.
North Packing & Provision Co.
Sturtevant & Haley Beef & Supply Co.
SPRINGFIELD—Hunt A. C. & Co.
Springfield Provision Co.
WORCESTER—White, Pevey & Dexter Co.

### MICHIGAN.

DETROIT—Barlum John J., 319 Lincoln av
Barlum Thomas & Sons, 354 Grand River
Hammond, Standish & Co., 20th & Standish
Newton Packing Co., 1041 14th av
Parker, Webb & Co., 20th & Michigan av
Sullivan Packing Co., 252 Beecher av
MENOMINEE—Twin City Packing Co.
MONROE—Schrauder & Co.
SAGINAW—Cornwell Co.
Hammond Standish Co.
THREE RIVERS—Three Rivers Packing House

### MINNESOTA.

ALBERT LEA—Albert Lea Packing Co., Inc.
AUSTIN—Hormel Geo. A. & Co.
DULUTH—Elliott & Co.
FAIRMONT—Ward & Co.
FERGUS FALLS—Fergus Packing Co.
ST. PAUL—Eisenmenger L. Meat Co.
Luley Abattoir Co.
McMillan J. T. Co.
Swift & Co.
WINONA—Interstate Packing Co.

### MISSOURI.

CAPE GIRARDEAU—Hirsch Bros. Mercantile & Provision Co.
JACKSON—Mueller H. H.
KANSAS CITY—Cudahy Packing Co.
Dold Jacob Packing Co.
PERRYVILLE—Cissell J. R.
ST. JOSEPH—Freund Packing & Mfg. Co.
Hammond Packing Co.
Morris & Co.
Swift & Co.

ST. LOUIS—Belz J. H. Provision Co., 3601 S. B'way
Carondelet Packing Co., 8000 Ivory av
Cox & Gordon, 1019 S. 3rd
Funk Joseph P. & Co., 1024 N Main
Heil Packing Co., 2216 La Salle
Kehr Packing Co., 3832 Cote Brillante av
Krey Packing Co., 21st & Bremen av
Sartorius Provision Co., 2734 Arsenal
St. Louis Independent Packing Co., 3855 Chateau av
Smith E. R., 2624 Montgomery
Sweet Charles A. Provision Co., 813 Spruce
Swift & Co., 3919 Papin
Van Gel John & Sons, 153 W Russell av
Waldeck Packing Co., Montrose & La Salle
SEDALIA—Stevenson Packing Co.
WARRENSBURG—Roseland Farm & Mfg. Co.

## MONTANA.

ANACONDA—Montgomery W. M. & Co.
GREAT FALLS—Great Falls Meat Co.
WALKERVILLE — Walkerville Dressed Meat Co.

## NEBRASKA.

LINCOLN—Lincoln Packing Co.
NEBRASKA CITY—Morton-Gregson Co.
OMAHA—Armour & Co.
Cudahy Packing Co.
Morris & Co.
Swift & Company

## NEVADA.

RENO—Nevada Packing Co.

## NEW JERSEY.

CAMDEN—Helm's D. D. Sons
Schlorer & Son
JERSEY CITY—Armour & Co.
Brainard Bros., 15 Exchange pl
Nagle Packing Co., 27 Ward
Swift & Company
NEWARK—Bailey C. M. & Co., 99 S Orange av
Fink A. & Sons, 129 Belmont av
Newark Packing Co., 217 Astor
PATERSON—Fullerton D. & Co.
Muhs Pkg. Co.
PHILLIPSBURG—Shimer J. R. Co.
TRENTON—Taylor Provision Co.

## NEW YORK.

ALBANY—Holland Bros.
Lester A. W.
Schwartz Geo. & Co.
BUFFALO—Danahy Packing Co., 25 Metcalfe
Dold Jacob Packing Co.
Empire Provision & Beef Co., 247 Lewis
Fuhrmann Louis P., 1010 Clinton
Kamman Henry A., 447 Bailey av
Klinck Bros., 588 Howard
Klinck C. Packing Co., 50 Depot
Moschel Jacob Sons, 153 Peckham
Sahlen Jos. Est. of, 310 Howard
Smith Edw. Packing Co., 247 Lewis
CANAJOHARIE—Beechnut Packing Co.
HUDSON—Van Deusen C. A. Co.
LITTLE FALLS—Zoller Jacob Co.
MARATHON—Bouton C. H.

## NEW YORK CITY.

### Borough of Brooklyn.

Bushwick Pork Packing Co., 29 Bushwick av
Dangles Jacob & Son, 722 Myrtle av
Figge Fred Co., 285 Atlantic av
International Provision Co., 33 Degraw
Meyer Louis Co., 374 Flushing av

### Boroughs of Manhattan and Bronx.

Ams Max, Inc., 372 Greenwich
Becker Bros., 2692 3d av
Cudahy Packing Co., 454 W 14th
Ferris F. A. & Co., 262 Mott
Figge & Hutwelker Co., 621 W 40th
Halligan Thos., 629 W 40th
Heyer A. Lester, 318 E 39th
Kern Geo., Inc., 350 W 38th
Kingan Provision Co., 626 W 35th
N. Y. Butchers' Dressed Meat Co., 11th av & 39th
N. Y. Independent Meat Co., 12th av & 131st
Reed's C. H. Sons, 185 1st av
Rohe & Bro., 527 W 36th
Stahl Otto, 2332 3d av
Stern Jos. & Sons, ft W 40th
Swift & Co., 448 Produce Exchange
United Dressed Beef Co. of New York, 1st av & 44th
Webber Richard, 2191 Third av
Weisbecker Chas., 268 W 125th

**(End of New York City)**

RENSSELAER—Schwartz Frederick
SYRACUSE—Hofman A. C. & Sons
TROY—Helmbold Fritz
UTICA—Durr C. A. Packing Co.
YONKERS—Siebert Bros.

## OHIO.

AKRON—Schell C. A. Provision Co.
Zimmerly Brothers Co.
ATHENS—Stedman F. C. & Co.
BELLEVUE—Zehner Brothers Packing Co.
CANTON—Canton Provision Co.
CINCINNATI—Bauer's Jacob Sons, 2932 Massachusetts, Camp Washington
Butcher's Packing Co., 529 Poplar
Cincinnati Abattoir Co., Spring Grove av nr Stock Yds.
Freund Ernst, 1215 W Liberty
Haskins R. & Co., 205 Walnut
Hoffmann's John Sons Co., 2148 Colerain av
Ideal Packing Co., Baymiller nr Central
Kahn's E. Sons Co., 519 Livingston
Lohrey Packing Co., 2827 Massachusetts, Camp Washington
Lohrey & Moellering, 2151 Kendel av
Maescher & Co., 1754 Central av
Meyer H. H. Packing Co., Central av & Linn
Roth John C. Packing Co., 1010 Gest
Sander A. Packing Co., 1026 Gest
Schlachter's Jacob Sons, 2839 Colerain av
Schroth J. & F. Packing Co., Cormany and Township av, Camp Washington
Severet J. A. & Co., 32 E Front
Valley Packing Co., 3673 Colerain av
Vogel Jacob & Son, 2604 Colerain av
Zehler Geo. Provision Co., 1705 Logan
Ziegler & Co., Logan & Elder
CIRCLEVILLE—Groce Charles E.
CLEVELAND—Blumenstock & Reid Co., 3261 W 65th
Cleveland Provision Co., 2527 Canal rd
Forest City Provision Co., 2773 E 37th
Hildebrandt Provision Co., 3620 Clark av
Lake Erie Provision Co., Clark av & C. C. C. & St. L. Ry.
Ohio Provision Co., Clark av & Big Four R. R.
Theurer-Norton Provision Co., 3136 W 63d
COLUMBUS—Blumer-Sartain Packing Co.
Columbus Packing Co.
Denton Brothers
Falter Herman
DAYTON—Baumheckel G. & O.
Burkhardt Henry Packing Co.
Focke's Wm. Sons Co.
Sucher Chas. Packing Co.
FOSTORIA—Fostoria Provision Co.
HAMILTON—Rupp Geo. Packing Co.
Slifer Packing Co.
LIMA—Lima Packing Co.
NEWARK—Miller C. W. & Co.
SANDUSKY—Bear & Ruth Co.
SPRINGFIELD—Springfield Abattoir Co.
TOLEDO—Folger Jacob
Ruedy Bros.
Zehner Bros. Packing Co.
URBANA—Urbana Packing Co.
YOUNGSTOWN—Simon Packing Co.

## OKLAHOMA.

OKLAHOMA—Morris & Co.
TULSA—Independent Packing Co.

## OREGON.

BAKER—Baker City Packing Co.
NORTH PORTLAND—Union Meat Co.
PORTLAND—Boston Packing Co.
Sterrett Packing Co.
SALEM—Cross E. C. & Son
Steusloff Brothers, Inc.

## PENNSYLVANIA.

ALLENTOWN—Arbogast & Bastian Co.
BLAIRSVILLE—Brown Packing Co.
BRIDGEPORT—March A. H. Packing Co.
CARNEGIE—Abbott Packing & Ice Co.
CHESTER—Buckley John J. Co.
COATESVILLE—Shallcross J. & Son
ERIE—Schaffner Bros.
LEHIGHTON—Obert Joseph Co.
McKEESPORT—Peters Packing Co.
MEDIA—Allen Clement E., Inc.
PHILADELPHIA—Bower John Co., 24th & Brown
Burk Louis, Girard & 3d
Consolidated Dressed Beef Co., 30th & Race
Ernst B. Bros., 2920 N 6th
Felin Jno. J. & Co., Inc., 4142 Germantown
Gray's Ferry Abattoir Co., 36th & Gray's Ferry rd
Hausmann Geo. & Sons, 51st & Westminster av
Kingan Provision Co., Callowhill & 8th
Martin D. B. Co., 30th & Market
Moland's Wm. Sons, 120 Market
Penn Beef Co., 48 N Delaware
Pfund G. F. & Son, 3945 Germantown av
Vogt Fred. G. & Sons, 30th & Race
PITTSBURGH—Denholm J. M. Bros. & Co., 5th & Frankstown avs
Dunlevy Packing Co. ("White Lily" Pork Products, Hams & Butter), Hamilton av & Enterprise
Fried & Reineman, Spring Garden av
Lohrey Henry, 2234 E, N Side
North Side Packing Co., 1448 Spring Garden av
Pittsburgh Provision & Packing Co., Herrs Island
Seiler John Co., 2200 Spring Garden av
Zoller Wm. Co., 343 Spring Garden av
POTTSTOWN—Keck & Co.
POTTSVILLE—Seltzer Packing Co.
Ulmer Jacob Packing Co.
Weissinger Geo. & Bro.
PRESTO—Klein Bros. Packing Co.
READING—Reading Abbattoir Co.
SCRANTON—Stowers Pork Packing & Provision Co.
SHAMOKIN—Croninger Packing Co., Inc.
WASHINGTON—Washington Packing Co.
WILKESBARRE—Paine & Co.
WILLIAMSPORT—Peters John

## RHODE ISLAND.

CENTRAL FALLS—Colquhoun D. & Son
PAWTUCKET—Johnson H. S. Co.
PROVIDENCE—†Kimball & Colwell Co. 461 Washington
New England Supply Co., 15 Gordon av
Schott-Suter Co., 52 Randall
Squire John P. & Co., 315 Canal

## SOUTH DAKOTA.

RAPID CITY—Rapid City Packing Co.
SIOUX FALLS—Morrell John & Co.
South Dakota Provision Co.

## TENNESSEE.

CHARLESTON—Palmer J. C.
GREENEVILLE—Greeneville Packing Co.
KNOXVILLE—†East Tennessee Packing Co.
Knoxville Abbatoir Co.
NASHVILLE—Armour & Co.
Nashville Abatoir, Hide & Melting Assn.
Neuhoff Abattoir & Packing Co.

## TEXAS.

DALLAS—Armstrong Packing Co.
Hahn Max Packing Co.
FORT WORTH—Armour & Co.
Fort Worth Packing Co.
Swift & Co.
HOUSTON—Houston Packing Co.
SAN ANTONIO—Union Meat Co.
TAFT—Taft Packing House

## UTAH.

OGDEN—Ogden Packing & Provision Co.
Russell James Co.
PROVO—Provo Meat & Packing Co.
SALT LAKE CITY—Utah Packing & Provision Co.

MEAT PACKERS—continued

VIRGINIA.

DANVILLE—Clement A. D.
NEWPORT NEWS—Levinson Packing Co.
NORFOLK—Banks Bros. Packing Co.
RICHMOND—Forbes W. S. & Co.
Hechler V. Packing & Commission Co.
Kingan & Co., Ltd.
ROANOKE—Griggs Packing Co.
ROSSLYN—Rosslyn Packing Co.
SUFFOLK—Smithfield Packing Co., Inc.

WASHINGTON.

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Gumz R. & Co., Muskego av
Layton Co., Muskego av
Plankinton Packing Co., Muskego & Canal

WYOMING.

CHEYENNE—Hammond Packing Co.

## 9656— Mechanical Draft

Acme Furnace Equipment Co., 39 Cortlandt, New York
American Blower Co., 1400 Russell, Detroit, Mich.
Buffalo Forge Co., Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Engineer Co. (Balanced Draft), 17 Battery pl, New York
Green Fuel Economizer Co., Beacon, N. Y.
McPherson W. G. Co., Portland, Ore.
Mass. Blower Co., Watertown, Mass.
N. Y. Blower Co., Archer av & Canal, Chicago, Ill.
Parson Mfg. Co. ("Parson" System), 35 Nassau, New York
Steacy-Schmidt Mfg. Co. (Induced Draft Fans), York, Pa.
Sturtevant F. & Co. ("Sturtevant," Induced & Forced), 15 Damon, Hyde Park, Boston, Mass.
Thompson Richard & Co., 126 Liberty, New York

## Mechanical Schools

See Engineering Schools & Colleges

## 9657— Mechanical Stokers

See also Furnaces, Smokeless

Armstrong Mfg. Co., Springfield, O.
**BABCOCK & WILCOX CO.**, 85 Liberty, New York
Barnett Oscar Foundry Co. ("Universal" Automatic Smokeless Traveling Chain Grate), Irvington, N. J.
Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
Brightman Furnace Co., 2570 Broadway, Cleveland, O.
Casey-Hedges Co., Chattanooga, Tenn.
Clarage Fan Co. (Underfeed), North & Porter, Kalamazoo, Mich.
Combustion Engineering Corp. ("Type E." Bituminous, "Coxe" Anthracite "Type H" Industrial and Heating), 11 B'way, New York
Detroit Stoker Co., 2642 N Grand blvd, Detroit, Mich.
Flynn & Emrich Co. (Hand Operated), 305 N Holliday, Baltimore, Md.
Green Engineering Co. ("Green" Chain Grate & "Harrington" Automatic), East Chicago, Ind.
Hamler Boiler & Tank Co. ("Little Giant"), 3906 S Halsted, Chicago, Ill.
Illinois Stoker Co. (Chain Grate Stokers), Alton, Ill.
Laclede Christy Clay Products Co. Chain Grate & Automatic), Railway Exchange bldg, St. Louis, Mo.
Lehigh Stoker Co., Fullerton, Pa.
McClave-Brooks Co. ("McClave"), Poplar st, Scranton, Pa.
Moloch Stoker Co. (Underfeed), 208 S La Salle, Chicago, Ill.
Murphy Iron Works, ft. Walker, Detroit, Mich.
Parson Mfg. Co. ("Parson's Automatic), 35 Nassau, New York
Petty J. K. & Co. (Hand Fired), Stephen Girard bldg, Phila. Pa.
Ridgway Mfg. Co. ("Elliott"), Ridgway, Pa.
Riley Sanford Stoker Co. ("Riley" Self-Dumping Underfeed), Worcester, Mass.
Rosedale Foundry & Machine Co. ("Playford" Chain Grate Stoker), Columbus & Preble, Pittsburgh, Pa.
S. & S. Automatic Grate Co. (Automatic), 320 E No. Water, Chicago, Ill.
Standard Stoker Co., Wilmington, Del. ("Roney"), East Pitsburgh, Pa.
Thacher Propeller & Foundry Corp. ("Albany" Smokeless Furnace), Albany, N. Y.
**THROPP'S JNO. E. SONS CO.**, ft. of Lewis, Trenton, N. J.
*See adv index at end of book*
Under Feed Stoker Co. of America ("Jones" Underfeed), 111 W Monroe, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.** ("Roney," Chain Grate & Underfeed & Overfeed), East Pittsburgh, Pa. *See adv index at end of book*
Wetzel Mechanical Stoker Co., Trenton, N. J.

## 9658—Mechanical Stokers (Chain Grate)

Barnet Oscar Foundry Co. ("Universal" Automatic Smokless Traveling), Irvington, N. J.
Brady Jas. A. Fdry. Co. (Traveling), 45th & Western blvd, Chicago, Ill.
Casey-Hedges Co., Chattanooga, Tenn.
Green Engineering Co. ("Green" & "Harrington" Automatic), East Chicago, Ind.
Illinois Stoker Co., Alton, Ill.
Laclede-Christy Clay Products Co. (Automatic), Railway Ex. bldg, St. Louis, Mo.
Rosedale Foundry & Machine Co. ("Playford"), Columbus & Preble, Pittsburgh, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 9658a—Mechanical Stokers (Overfeed "Roney")

Westinghouse Elec. & Mfg. Co., E. Pittsburgh, Pa. *See adv index at end of book*

## 9658b—Mechanical Stokers (Under Feed)

Westinghouse Elec. & Mfg. Co., E. Pittsburgh, Pa. *See adv index at end of book*

## 9659— Medals

American Railway Supply Co., 134 Charles, New York
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn.
*See adv index at end of book*
Waterbury Button Corporation (Metal), 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Winship Chas. A. & Co., 159 N State, Chicago, Ill.

## 9659a— Medicinal Oxygen

Linde Air Products Co., 42nd St. bldg, New York. *See adv index at end of book*

## 9659b— *Medium Filter

Newark Wire Cloth Co. (Mettalic), 223 Verona av, Newark, N. J.
*See adv index at end of book*

## 9660— Megaphone Mfrs.

Cowles C. & Co. (Electric Megaphone Speaking Tubes), New Haven, Conn.
Hiller J. G. (Cardboard), 112 N 4th av, Louisville, Ky.
Keennebunk Mfg. Co. ("Brownie," "Kemaco" Fibre), Milton, N. H.
Merriman Bros., 185 Jamaica Plain, Boston, Mass.
National Megaphone Co., Wakefield, Mass.
Rogers E. F. & Co., 410 Arch, Phila., Pa.

## 9661— *Melters (Metal)

**GENERAL ELECTRIC CO.** (Electric), Schenectady, N. Y.
*See adv index at end of book*

## 9662— Memorial Windows

Arlington Art Glass Works, Atlanta, Ga.
Bryant Bros. Co., 79 E Main, Columbus, O.
Bunce Art Glass Co., Richmond, Va.
Century Stained Glass Works (Ltd.), 212 S 11th, Phila., Pa.
Dayton Art Glass Wks., Dayton, O.
Decorative Glass Co., 3248 Chestnut, Phila., Pa.
Decorative Glass Studios, Inc., 152 W 21st, New York
Detroit Window & Stained Glass Co., Detroit, Mich.
Dukes Glass Works (T. W. Tulton, Prop.), 2217 Chestnut, Phila., Pa.
Eberhardt Hugo & Co., 2411 W 12th, Chicago, Ill.
Flagg L. G. & Co., Sudbury bldg, Boston, Mass.
Flanagan & Biedenweg Co., 312 W Illinois, Chicago, Ill.
Ford Bros. Glass Co., 207 Washington av, N Minneapolis, Minn.
Godwin Alfred 2217 Chestnut, Phila., Pa.
Haskins Art Glass Co., Rochester, N. Y.
Hausleiter J. & Co., 298 Fulton, Brooklyn, N. Y.
Heinigke & Smith, 24 E 13th, New York
Hooker H. M. Co., 651 W Wash'n, Chicago, Ill.
Jacoby Art Glass Co., 2700 St. Vincent, St. Louis, Mo.
Kansas City Stained Glass Works Co., 1514 Wyandotte, Kansas City, Mo.
Lamb J. & R., 25 6th av, New York
Maginn Charles, 17 E 14th, New York
Morgan John & Sons, 96 5th av, New York & 17 Union av, Brooklyn, N. Y.
Munich Art Glass Co., 667 Mission, San Francisco, Cal.
O'Halloran's Thos. Sons, 276 Halsey, Newark, N. J.
Payne Geo. Hardy, Paterson, N. J.
Petgen Co., 6709 Hamilton av, Pittsburgh, Pa.
Phipps Horace J. & Co., 65 Bedford, Boston, Mass.
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Reith Wm., 134 N 7th, Philadelphia, Pa.
Righter & Kolb, 420 Madison av, New York
Riordan G. C. & Co., 313 Walnut, Cincinnati, O.
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Spence, Bell & Co., 90 Canal, Boston, Mass.
Spiers Richard N., 257 W 29th, New York
Summers Charles, 1455 59th, Brooklyn, N. Y.
Thatcher-Kerwin Glass Co., 517 Spruce, St. Louis, Mo.
Tiffany Studios, 361 Madison av, New York
Von Gerichten Art Glass Co., 557 So. High, Columbus, O.
Wallis A. H., 3308 Easton, St. Louis, Mo.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.
Wood Glass Co., Syracuse, N. Y.

## 9662a— *Memorials

Daprats Statuary Co., 766 W Adams, Chicago, Ill. *See adv index at end of book*

## 9663— Menders (Hose)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Cassady Fairbank Mfg. Co. ("Samson"), 6126 S La Salle, Chicago, Ill.
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Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.
*See adv index at end of book*
Hamblin & Russell Mfg. Co. ("Magic" Garden), Worcester, Mass.
Hudson Hose Mender Co. ("Hudson"), Melrose, Mass.
Hudson Parer Co. ("Hudson"), Leominster, Mass.
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Walsh Safety Lock Snap Co. ("Hose Patch," for Fire Hose), Bellevue, O.

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Fearon Brown Co. (Imp.), 96 Wall, New York
Morningstar Chas. & Co., Inc. (Imp.), 349 Broadway, New York
National Aniline & Chemical Co., 121 Burling Slip, New York
Van Brunt J. A. & Co., Inc. (Imp. Japanese, 114 John, New York
Warren Products Co., 265 B'way, New York
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### 9663b— Mercury

See also Quicksilver

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Stanley J. R. Chem. Co. (Refiners), Union sq, New York

### 9663c—Mercury, Bichloride (Corrosive Sublimate)

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### 9663d—*Mercury (Cyanide)

Cooper Chas. & Co., 194 Worth, New York

### 9663e—*Mercury (Fulminate of)

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*

### 9663f— Mercury (Iodide)

Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.

### 9663g— *Mesoehorium

Palo Co., 90 Maiden Lane, New York

### 9664— Metal (Acid Proof)

Acid Proof Iron Products Co., 49 Herman, Newark, N. J.
Bario Metal Corp. (Heat and Resisting), 167 W 18th, New York
Bethlehem Foundry & Machine Co., Bethlehem, Pa.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
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Damascus Brone Co. ("Damascus"), N S Pittsburgh, Pa.
*See adv index at end of book*
Durion Casting Co., Dayton, O.
Keystone Bronze Co. ("Keystone," "Valens"), 39th & A. V. R. R., Pittsburgh, Pa. *See adv index at end of book*
Lawrenceville Bronze Co. (For Tin Plate Machinery), Bessemer bldg, Pittsburgh, Pa.
Vanadium Metals Co., Vanadium bldg., Pittsburgh, Pa.
**WILLIAMS & CO. (INC.)**, (Monel), 901-937 Pennsylvania, N S, Pittsburgh, Pa.
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### 9664a—*Metal (Acid Resisting, Monel)

**WILLIAMS & CO. (INC.)**, 901-937 Pennsylvania, N S, Pittsburgh, Pa.
*See adv index at end of book*

### 9665— Metal (Britannia)

Standard Rolling Mills (Casting, Rolling & Refining), 363 Hudson av, Brooklyn, N. Y.
United Lead Co., 111 B'way, New York

### 9665a— Metal Ceilings & Walls

See also Ceilings, Sheet Steel

**EDWARDS MFG. CO.**, 545-505 Eggleston av, Cincinnati, O.
*See adv index at end of book*

### 9666-7—Metal (Cellular, for Fireproofing)

**EDWARDS MFG. CO.** ("Keyridge" Reinforcement Metal Lath & Stud Combined), 545-546 Eggleston av, Cincinnati, O. *See adv index at end of book*

### 9668— Metal (Expanded)

See also Lath, Expanded Metal

Consolidated Expanded Metal Co.'s, Rankin, Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
General Fireproofing Co., Youngstown, O.
North Western Expanded Metal Co., ("Econo"), Old Colony Bldg., Chicago, Ill.
**YOUNGSTOWN PRESSED STEEL CO.**, Warren, O.
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### 9669— Metal (Extruded)

**AMERICAN BRASS CO.** (Rods & Special Shapes), Waterbury, Conn.
*For branch offices see adv index at end of book*

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Chase Metal Works ("Chase"), Waterbury, Conn.
Scovill Mfg. Co. (Brass), Waterbury, Conn.
*See adv index at end of book*
Seligman Arthur, (Aluminum), 165 B'way, New York
Wenger Paul Co. (Aluminum), 56 Liberty, New York

## 9670— Metal (Feralun)

American Abrasive Metals Co., 50 Church, New York

## Metal Furring

See Furring & Lathing, Iron

## 9671— Metal Grounds

Knapp Bros. Mfg. Co. ("Knapp System," Base), 2419 W 14th, Chicago, Ill.
Union Metal Corner Co. (For Base), 18 Heath, Boston, Mass.

## 9671a— Metal (McAdamite)

McAdamite-Aluminum Co., Detroit, Mich.

## 9672— Metal (Monel)

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Eagle Brass Foundry Co. (Goods), Seattle, Wash. *See adv index at end of book*
**INTERNATIONAL NICKEL CO.,** 43 Exchange pl, New York
*See adv index at end of book*
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Phila., Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67 Washington, North Boston, Mass.
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Williams & Co., Inc., 901-937 Pennsylvania av, Pittsburgh, Pa.
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*See adv index at end of book*
Supplee-Biddle Hardware Co. (Monel Metal), 510 Commerce, Phila., Pa.
United Alloy Steel Corp. ("Enduro"), Canton, O. *See adv index at end of book*
Vanadium Metals Co., Vanadium bldg., Pittsburgh, Pa.
**WILLIAMS & CO. (INC.)** (Non-Corrosive Monel), 901-937 Pennsylvania av, N S, Pittsburgh, Pa.
*See adv index at end of book*

## 9674—Metal (Non-Tarnishing)

Vanadium Metals Co., Vanadium bldg., Pittsburgh, Pa.
**WILLIAMS & CO. (INC.)** (Monel), 901-937 Pennsylvania av, N S, Pittsburgh, Pa.
*See adv index at end of book*

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Aluminum Goods Mfg. Co. (Aluminum), Manitowoc, Wis.
American Automatic Device Co., 515 W Monroe, Chicago, Ill.
American Enamel Co., Providence, R. I.
American Pin Co. ("Ampinco" Stamped & Spun, Turned, from Rod, etc), Waterbury, Conn.
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Grammes L. F. & Sons, Allentown, Pa.
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Keyes-Davis Co., Battle Creek, Mich.

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Poeppel Emil, 1800 Berenice av, Chicago, Ill.
Poeter E. & Co. (Fancy Metal Goods), 1168 S Grove, Newark, N. J.
Precision Metal Workers, 3100 Corroll av, Chicago, Ill.
Pressed Steel Car Co. (Pressed Steel Specialties), 307 5th av, Pittsburgh, Pa.
Richmond Bros. Co., 177 Chestnut, Newark, N. J.
Riley-Klotz Mfg. Co. (Of All Kinds), 17 Mulberry, Newark, N. J.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Salt Wm. B. Mfg. Co. (Steel, All Kinds), Aspenwall, Pa.
Sargeant Mfg. Co., 79 Summit, Newark, N. J.
Schroeder Brothers Mfg. Co., 111 Brook, Torrington, Conn.
**SCOVILL MFG. CO.** (To Order Only), Waterbury, Conn.
*See adv index at end of book*
Seymour Metal Goods Co., Seymour, Conn.
Siebenbrod Otto Co., 24 S Clinton, Chicago, Ill.
Smith Richardson Co., Attleboro, Mass.
Snow, Albert E., & Co., 252 B'way, New York *See adv index at end of book*
Sterling Metal Novelty Mfg. Co., 174 Worth, New York
Stierlin Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Stirrup Mfg. Co., Inc. (Fancy Metal Goods), Market, Newark, N. J.
Success Mfg. Co. (Ash Sifters, Roof Flanges, Traps, etc), Gloucester, Mass.
Thomas Mfg. Co. (Household Specialties), Dayton, O.
Thompson & Bremer, 850 S Canal, Chicago, Ill.
Tobman Mfg. Co. (Notion Specialties), 19 W 3rd, Boston, Mass.
Torrington Mfg. Co. (Brass & Iron), Torrington, Conn.
Troy Stamping Works (Novelties), Troy, N. Y.
Turner & Seymour Mfg. Co. (Of All Descriptions), Torrington, Conn.
Universal Specialty Co., 33 E Kinney, Newark, N. J.
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.
Walsted Machine Co.
Waterbury Brass Goods Corporation (Made from Brass), Waterbury, Conn.
**WATERBURY BUTTON CORPORATION** (Also Composition), Waterbury, Conn.
*See adv index at end of book*
Weber Bros. Metal Works, 108 N Jefferson, Chicago, Ill.
Western Steel Car Foundry Co. (Pressed Steel Specialties), 122 S Michigan, Chicago, Ill.
Zinn, Simon, Inc. (Light Stamped Sheet Brass, Steel, Tin & Zinc), 25th & 11th av, New York

## 9675a—Metal Parts (Artificial Limb)

Hawken-Wollgast Co., 184 Beaubien, Detroit, Mich.

## 9676-7— Metal Polish

A. B. Polish Co. ("A. B.," "Brilliant King" Silver), 1515 Haddon av, Chicago, Ill.
Acme Polish Co. (Ltd.), ("Acme" Liquid & Paste, Steel & Copper & "Ayrolite" Silver Dust), 71 12th, Pittsburgh, Pa.
Adams & Elting Co. ("Shi-Nite"), 726 Washington blvd, Chicago, Ill.
Adro Co. ("Adro"), 247 Pearl, New York
Advance Packing & Supply Co. ("Advance"), 54 E Lake Chicago, Ill.
Albion Mfg. Co., Seattle, Wash.
Alcemo Mfg. Co., 35 Bridge, Newark, N. J.
American Chemical & Mining Co. ("Big Chief"), Atlanta, Ga.
American Metal Polish Co. ("Meyers" Putz Cream), West Somerville, Mass.
American Motor Equipment Co. ("Dazzleine" & "Cinch"), 181 Massachusetts av, Boston, Mass.
American Oil & Disinfectant Co. ("Sparrow"), 196 Water, New York
Anchor Oil & Chemical Co. ("Anchor"), Cleveland, O.
Apothecaries Hall Co., Waterbury, Conn.
Arco Co., Euclid av & E 65th, Cleveland, O.
Armiger Chemical Co. ("Rex" Cream), 2155 Austin av, Chicago, Ill.
Arnold N. B., ("Slikup"), 1 Sigourney, Brooklyn, N. Y.
Arnstein Eugene ("Shine-All"), 415 W 26th, Chicago, Ill.
Atlas Auto Supply Co. ("Sunshine"), 656 W Austin av, Chicago, Ill.
Babbitt B. T. (Inc.) ("Spic & Span"), 15 W 34th, New York
Baird Bros. & Co., 1435 W 10th, Cleveland, O.
Barcy-Nicholson Co. ("Bar-Nic"), 837 Fort W, Detroit, Mich.
Baum's Castorine Co. ("Quick Shine," "Rapid"), Rome, N. Y.
Beckley-Ralston Co. ("Carnation-Cream"), 1801 S Michigan av, Chicago, Ill.
Bell Mfg. Co., Main & Gratiot, St. Louis, Mo.
Ben-Hur Metal Polish Co. ("Ben-Hur"), Crawfordsville, Ind.
Bennett E. W. & Co. ("Brilliantshine"), 2000 16th, San Francisco, Cal.
*See adv index at end of book*

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Black Silk Stove Polish Works, Sterling, Ill.
Blair J. T. Co. ("J. T."), Nashville, Tenn.
Blue Ribbon Mfg. Co., Boston, Mass.
Bobrick Chemical Co. ("E. Z. Q."), Los Angeles, Cal.
Borsum Bros. ("Wonderful," "Trumpet," "Kaiser" Paste, etc), 227 Fulton, New York
Bosler E. H., 1935 Wabash av, Chicago, Ill.
Bowman-Edson Co. ("Edsonia"), 64 Dey, New York
Brewer & Co. ("Volki"), Worcester, Mass.
Buckeye Chemical Co. ("Buckeye"), Akron, O.
California Exterminating Co., Inc., 121 Manhattan, New York.
Certain-teed Products Corp., St. Louis, Mo.
Chemical Supply Co. ("Perfection"), 2450 Canal rd, Cleveland, O.
Cleaner Mfg. Co. ("Polishine," Liquid Paste & Powder), 2842 Olive, St. Louis, Mo.
Cleanola Co. ("Spe-De-Shyne"), Fulton bldg, Pittsburgh, Pa.
Colgan Mfg. & Supply Co. ("Peerless," "Crescent"), 118 Maiden la, New York
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Cromwell R. A. Mfg. Co. ("Sphinx"), 303 E 29th, New York
Crowell Chemical Co., ("Oxford" & "Ajax" Liquid Paste & Brick & "Oxford" Nickel), Beverly, Mass.
Crown Chemical Co. ("Bailey's Crown"), Indianapolis, Ind.
Cudahy Packing Co. ("Parrot"), 111 W Monroe, Chicago, Ill.
Detroit White Lead Works ("Rogers Auto Brass Shine"), 560 E Milwaukee, Detroit, Mich.
Dielectric Mfg. Co. ("Dielectric"), 224 S Vandeventer av, St. Louis, Mo.
Dilg Mfg. & Trading Co. ("Acme" plate), 27 E 125th, New York
Dunlap Mfg. Co. ("Oil of Gladness"), Bloomington, Ill.
Duquesne Polish Co. ("Duquesne"), 53 S 15th, Pittsburgh, Pa.
Eavenson J. & Sons ("Jesco"), Camden, N. J.
Eclipse Cement & Blacking Co. ("Tiger's Head"), 1240 Belmont av, Phila., Pa.
Edmonds J. Wesley & Son ("Edmond's Electric"), 212 West, New York
Efficiency Oil Corp. ("Efficiency"), 2100 Kienlen av, St. Louis, Mo.
Electric Cleaner Co., Canton, Ohio
Electro Silicon Co. (Silver Powder), 30 Cliff, New York
Endurance Autoil Co. ("Best Ever"), Muncie, Ind.
Ericka Mfg. Co. ("Shineaul"), Springfield, Mass.
Fairchild M. H. & Bro., 6 W Austin av, Chicago, Ill.
Flebing Chemical Co. ("Fiebing's" "Lusterine"), 240 Reed, Milwaukee, Wis.
Forbes Benj. P. Co., 409 Superior av, Cleveland, O.
Garratt-Callahan Co. ("Metalshine"), 30 Fremont, San Francisco, Cal.
Globe Polish Co. (Liquid & Paste), Lincoln N. J.
Grady Mfg. Co. ("Scouree," "U-No," "Putz," Glittershine," "Army & Navy," "National," "Compound") 250 Ely av, Brooklyn, N. Y.
Great Western Oil Co. ("G. W."), 284 E 37th, Cleveland, O.
Greene Mineral Paste Co., Keene, N. H.
Hall-Thompson Co. ("Wonder Worker"), Hartford, Conn.
Harris A. W. Oil Co. ("Harris-Scouree"), 326 So Water, Providence, R. I.
Harvey Chemical Co. ("American" Liquid & Paste "Dissolvent"), Lafayette, Ind.
Hawkeye Oil Co. ("Faultless"), Waterloo, Iowa
Hazen-Brown Co. ("Monkey-Shine"), 727 Atlantic av, Boston, Mass.
Heaney Mfg. Co., 164 State, Boston, Mass.
Hensel & Meyer, 2149 Belmont av, Chicago, Ill.
Hercules Chemical Works, 610 W Randolph, Chicago, Ill.
Hinds & Coon ("Ruby-Rub"), 126 Pearl, Boston, Mass.
Hoffman Geo. W. Co. ("U. S." Infallible Paste, Powdered & Liquid, "Bar Keepers' Friend"), 557 E Washington, Indianapolis, Ind.
Hoffman Paint & Varnish Co. ("Anchor"), Waters av, Boston, Mass.
Hollingshead R. M. Co. ("Whiz," "Hollingshead" Liquid, "Glitterbrite," "Nugloss," Body, "Electric Shine," Liquid & Paste), Camden, N. J.
Idealo Co., Bourse bldg, Phila., Pa.
International Metal Polish Co. ("Blue Ribbon"), Quill & Belt Ry, Indianapolis, Ind.

METAL POLISH—continued

**Inter-State Auto & Supply Co, (Brass).** Sioux City, Iowa
**Jewel Mfg. Co. ("Nelson"), 2863 W 22nd,** Chicago, Ill.
**Johnston Wm. T. Co. ("Moonshine Brand")** 3d & Vine, Cincinnati, O.
**Justice A. R. Co. ("U-Kan-Plate"), 607** Chestnut, Phila., Pa.
Kimball C. M. Co., Winthrop, Mass.
Landers, Frary & Clark ("L. F. & C.," Cleaning & Polishing Powder for Gold, Silver Plated Ware, etc), New Britain, Conn.
Layton Park Oil & Soap Co. ("Dazzler"), Forest H. & Hofmeister, Milwaukee, Wis.
**Le Doyen Frank J. Co. ("Varnoil"), 827** Mangold, Baltimore, Md.
Lincoln Fixture & Supply Co. ("Iwanta"), Lincoln, Neb.
Lord F. T. Polish Co. ("Lumino" & "Car-Brite"), Cambridge, Mass.
Lowell Polish Co., Lowell, Mass.
Lustre Creme Mfg. Co. ("Lustre Creme"), Rock Island, Ill.
McLean-Jones Oil & Supply Co., Inc. ("Swastika"), 40 Court, Boston, Mass.
Manufacturers' Oil Grease Co. ("Brass Bright"), Century bldg, Cleveland, O.
**Manufacturers' Supplies Co. ("Velox")** Juniper & Cherry, Phila., Pa.
Marshall Oil Co. of Iowa ("French"), Marshalltown, Ia.
Martin Martin ("E-Z" Liquid Paste, etc), 3005 Carroll, Chicago, Ill.
Matchless Metal Polish Co. ("Mexoline" Liquid Non-Inflammable, "Matchless" Paste), 151 Varick, New York
**Mepham Geo. S. & Co., 20th & Lynch, E** St. Louis, Ill.
**Michigan Stove Co. ("Garland," Nickel),** Adair & Jefferson, Detroit, Mich.
**Miller Bros. & Co. ("Sterling" Silver Polish** & "Dazzler" Putty Liquid), 894 B'way, New York
**Millers' A. D. Sons Co. ("Appex Polish-ine"), Columbus & Preble, Pittsburgh,** Pa.
Mills H. W. & Co. ("Croftstein"), Paterson, N. J.
Modoc Co. ("Modoc," Brass Polish), Fernwood, Phila., Pa.
Monroe Specialty Co. ("Meritorious"), 6 Dover, New York.
Moore E. C. & Son Co. ("Moore"), 11 Elizabeth av, Detroit, Mich.
Morris Richard S. & Co. ("Shine On"), 138 N Dearborn, Chicago, Ill.
Morris R. W. Mfg. Co. ("Golden Star"), 815 E 21st, Kansas City, Mo.
Motor & Machinists Supply Co. ("M. & M. Diamond"), 1519 Grand, Kansas City, Mo.
Mutual Auto Accessories Co. of America ("Skidoo," "23" & Hand Soap), 1777 Broadway, New York
National Rubber & Specialties Co. ("Pioneer" Liquid), Winton pl, Cincinnati, O.
**N. J. Paint Works ("New Jersey" & "Bertram"),** Wayne, Jersey City, N. J.
**Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill.** *See adv index at end of book*
**No. American Chemical & Engineering Co. ("Eureka" "North American" in** Liquid & Paste), 23 Old Slip, New York
**Northwestern Chemical Co. ("Sil-ver-ol,"** "Pioneer"), Marietta, O.
Northwestern Mfg. Co., 725 E Vermont, Indianapolis, Ind.
**Noxall Polish Mfg. Co. ("Noxall"), 1238** Belmont av, Phila., Pa.
**Nu Back Mfg. Co. ("Brass-Nu"), 114 N** Commercial, St. Louis, Mo.
**Opie J. W. Brush Co. ("O P"), Kansas** City, Mo.
**Oriental Rouge Co. ("Oriental" Rouges).** Bridgeport, Conn.
Orona Sales Co. ("O. M. C. Alumishine"), 29 India, Boston, Mass.
Panama Oil & Grease Co. ("Panama" Liquid & Paste), 159 W 51st, New York
Parker Refining Co. ("Shine Bright"), 1307 W 11th, Cleveland, O.
**Patterson Lubricating Co. ("Patterson Lustre"), 114 Broad, Boston, Mass.**
Patton Paint Co. ("Sunbright"), Milwaukee, Wis.
Paul J. C. & Co. ("Burnshine"), Liquid, "Putz," Pomade, "Pride of the Bar Powder"), 930 Roscoe, Chicago, Ill.
**Polish Products Co., Kansas City, Mo.**



Pride of the Kitchen Co. ("Peekay"), 390 Smith, Brooklyn, N. Y.
Providence Oil Co. ("Zone"), 10 Dorrance Wharf, Providence, R. I.
Pure Oil Co. ("Puritan"), 1st & 13th av, S, Minneapolis, Minn.
Puritan Oil Co. ("Gilsten"), 1244 W 70th, Cleveland, O.
Puritan Soap Co. ("Puritan," Liquid), 496 Exchange, Rochester, N. Y.
Quaker Soap Co. ("Quaker"), 207 Provost, Jersey City, N. J.
Rath Chas. H. Co. ("A-1"), Columbus & Hancock, Phila., Pa.
Rath Mfg. Co. ("Imperial," "Staraline," "Swiss Shine," "Golden Sceptre," "High Shine" & "Chas. Rath's Original"), Headley E. of Richmond, Phila., Pa.
**Reid W. W. Mfg. Co., ("Reid's Putz" &** "Reid's Putz Pomade"), 17 Caldwell, Boston, Mass.
**Reith Polish Co., 1626 N Sawyer av, Chi-**cago, Ill.
**Rexine Company ("Maxine"), Sheboygan,** Wis.
**Richmond Bros. ("Met-al-shine"), 616** Main, Cincinnati, Ohio
**Rochester Chemical Co. ("Shinon"), Roch-**ester, N. Y.
**Rutland Fire Clay Co. ("Rutland"), Rut-**land, Vt.
**St. Louis Surfacer & Paint Co., Arlington** & Terminal & Belt Line, St. Louis, Mo.
**Sawyer Howard B. Oil Co., ("Sawyer's"),** 62 Long wharf, Boston, Mass.
**Schlegel Oscar Mfg. Co. ("Lustreine"** Liquid), 124 E 13th, New York
**Sheppard W. S. ("Prestoshine"), 21 Law-**rence, Newark, N. J.
**Sherwin-Williams Co. ("Brassbrite"),** Cleveland, O.
Solarine Co., 153 N Carpenter, Chicago, Ill., & Emerson bldg., Baltimore, Md.
Solshine Mfg. Co. ("Solshine"), 22 Custom House, Boston, Mass.
Sonneborn L. Sons ("Amalie" Paste, Liquid & Non-Burning), 262 Pearl, New York
Speare's Alden Sons Co., ("Speare's"), Cambridge, Mass.
Standard Chemical Co. ("Standard"), Houston, Texas
Stanley Jno. T. ("Hyglo"), 642 W 30th, New York
Star Oil Co., 348 N Irving av, Chicago, Ill.
Stevens Geo. I., Essex, Conn.
Stinson B. F. & Co. ("Easybright"), Buffalo, N. Y.
Superl Mfg. Co. ("Superl") (for all Metals) Los Angeles, Cal.
Suydam M. B. Co. ("Monarch"), 61st & Butler, Pittsburgh, Pa.
Sweet C. F. ("Sweet's Magic"), Hartford, Conn.
Tanite Co. ("Tanite" Polishing Paste), Stroudsburg, Pa.
Tarbox Mfg. Co., New London, Conn.
Taylor Gilbert D., 3828 S State, Chicago, Ill.
Thumb E. W. ("Sunshine" Brass Bed), 872 Orleans, Chicago, Ill.
Trafton F. M. Co. ("Brilliant"), 176 Federal, Boston, Mass.
Ulrich & Co. ("A-O-K," "Raydo" Liquid & Dry), 363 E North, Buffalo, N. Y.
Uno. Mfg. Co. ("S & B" "Uno"), 6433 Ravenswood av, Chicago, Ill.
U-Sav-Your Mfg. Co. ("U-Sav-Your" Automobile Dressing & Polish), Warren, Mass.
Utility Co. (Powder), 636 W 44th, New York
Van Tilburg Oil Co. ("Goldshine"), 2428 University av, S E, Minneapolis, Minn.
Wadsworth-Howland Co., ("Bay State"), 141 Federal, Boston, Mass.
Warren Refining & Chemical Co. ("Warren"), 9420 Meech av, Cleveland, O.
West Disinfecting Co. (Kwyk), 411 5th av, New York
Western Robe Mills ("Allen's New Discovery" Powder "Western" Liquid), 162 N Des Plaines, Chicago, Ill.
Williams Mfg Co, Westerville, O
Wilson Mfg. Co., Lennox bldg, Cleveland, Ohio.
Winn Wm. R ("Moonshine"), 488 Cherry, New York
Wright J. A. & Co. ("Red Star" Powder), Keene, N. H.
Young Orlando W., 33 Ross, Newark, N. J.

## 9678—Metal Sash & Mouldings

Biele Chas. F. & Sons Co. (Brass, Bronze, Copper, Nickel, Silver, Platinum, etc), 381 W 12th, New York
**Braun J. G., 609 S Paulina, Chicago, Ill.**
Cal. Fire Proof Door Co. (Metal Covered "Wilcox"), 1931 S Los Angeles, Cal.
Clason Architectural Metal Works (Metal Frames & Sashes Only). Works: 428 Kinsley av, Providence, R. I.
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
**McCord Mfg. Co. (For Car Windows, etc.),** 2587 E Grand blvd, Detroit, Mich.

## 9679— Metal (Silver)

**Empire Metal Co. (For Bright Galvaniz-**ing), Syracuse, N. Y.
Round Mountain Mining Co., Montgomery, San Francisco, Cal.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

## 9679a— Metal Small Wares

Am. Brass Products Co., Pottstown, Pa.
Bass H. & Son, 434 Broadway, New York

## 9679b— *Metal (Sparking)

New Process Metal Co., 46-50 Center, Newark, N. J.

## 9680—Metal Threshold (Air Tight)

Pittsburgh Air Tight Metal Door Sill Co., Liberty & Short, Pittsburgh, Pa.

## Metal (Tungsten)

See Ferro-Tungsten

## 9681-2—Metal (Yellow Muntz)

Detroit Copper & Brass Rolling Mills, Clark av, nr Wabash R. R., Detroit, Mich.
Hungerford U. T. Brass & Copper Co. (Plates, Sheets, Nails & Rods), 80 Lafayette, New York
**MERCHANT & EVANS CO.,** Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Michigan Copper & Brass Co., 1611 W Jefferson av, Detroit, Mich.
Natl. Smelting Corpn., 554 Bryant, San Francisco, Cal.
Taunton-New Bedford Copper Co. (Sheets, Bars, etc.), Taunton, Mass.

## 9683— Metallic Sash Bars

Anderton E. K., 210 Grand, New York
Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Braun J. G., 609 S Paulina, Chicago, Ill.
Detroit Show Case Co., 480 Fort W., Detroit, Mich.
Jones Trevor F. & Co., 374 W B'way, New York
National Metallic Sash Co. (Zinc), 355 Union Park, Chicago, Ill.
Rochester Show Case Works, Rochester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Thorne Hold-Fast Metal Bar Co., Troy, N. Y.
Voltz Mfg. Co. ("Universal"), 914 Penn., St. Joseph, Mo.

## 9683a—Metallographic Apparatus

Holz & Co., Inc., 18 Madison av, New York
*See adv index at end of book*

## 9683b—Metallurgical Research Apparatus

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## 9684— Metals (Aluminum)

**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*

## Metals (Anti-Friction)

See Babbitt Metal; also Bearings, Various Kinds

## 9685—Metals (Antimonial Lead)

Acme Novelty Co., 430 N, Oakley av, Chicago, Ill.
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill. *See adv index at end of book*

## 9686— Metals (Antimony)

**AMALGAMATED METALS SELLING CO. LTD.**, 42 Broadway, New York
Birkenstein S. & Sons, 377 W Ontario, Chicago, Ill.
Cooper Chas. & Co., 194 Worth, New York
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Hendricks Bros., 49 Cliff, New York
Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
Richards & Co., 192 Beverly, Boston, Mass.
Trotter Nathan & Co., 36 N Front, Philadelphia, Pa.
Wah Chang Mining & Smelting Co., 233 B'way, New York
Weil Louis, 32 B'way, New York
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.
Winter Son & Co. (Imp.), 64 Wall, New York
Wolff L. A. Metal Works, 1257 Harrison av, Cincinnati, O.

## 9687-8—Metals (Benedict Nickel)

**AMERICAN BRASS CO.**, Waterbury, Conn. *For branch offices see adv index at end of book*

## Metals (Bearing)

See Babbitt Metal; also Bearings, various kinds.

## 9689— Metals (Copper)

**AMERICAN BRASS CO.**, Waterbury, Conn. *For branch offices see adv index at end of book*
**CHASE ROLLING MILL CO.** ("Chase"), Waterbury, Conn.
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
Stamford Rolling Mills Co., Inc. (Sheets), Springdale, Conn.
Wolff L. A. Metal Works, 1257 Harrison av, Cincinnati, O.

## 9690— Metals (Cupro Nickel)

**AMERICAN BRASS CO.** (Sheets), Waterbury, Conn. *For branch offices see adv index at end of book*
Scovill Mfg. Co. (Products to Order Only), Waterbury, Conn. *See adv index at end of book*
Stanford Rolling Mills Co. (Sheets), Springdale, Conn.

## 9691—Metals (Electrotype, Linotype, Monotype, Stereotype, Etc.)

American Smelting & Refining Co., Cincinnati, O.
Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.
Eagle Picker Lead Co. The, 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Empire Metal Co., Syracuse, N. Y.
Finn John Metal Works, Seattle, Wash.
Great Western Smelting & Refining Co., 4100 Wallace, Chicago, Ill.
Hiertz Theo. Metal Co., Alaska & Tesson St. Louis, Mo.
Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
Jacobson I. M. & Sons, 70 Catherine, Detroit, Mich.
Lee-Zurich Alleys Corp., 335 Calyer, Brooklyn, N. Y.
Lissberger, Marks & Son, 281 Borden av, Long Island City, New York
London & Sack, 259 Front, New York
**MERCHANT & EVANS CO.**, Washington av & 21st, Phila., Pa. *See adv index at end of book*

**MICHIGAN SMELTING & REFINING CO.**

1695 Jos. Campau, Detroit, Mich.

Nassau Smelting & Refining Works, 603 W 29th, New York
National Lead Co., 111 B'way, New York
North American Copper Co., 52 Vanderbilt av, New York
North American Smelting Co. ("Crescent," "Crown"), 9th & Thompson, Phila, Pa.
Northwestern Shot & Lead Works, 90 Fairfield av W, St. Paul, Minn.
Ohio Metal Co., 1137 N 4th, Columbus, O.
Peerless Alloy Co., Denver, Col.
Pittsburgh White Metal Co., 3116 Penn av, Pittsburgh, Pa.
Rogers Metal Works, Kansas City, Mo.
Selby Smelting Works ("Perfection"), 201 1st, San Francisco, Cal.
Staplin & Smith, 359 W Austin, Chicago, Ill.
**UNITED AMERICAN METALS CORP.**, (Syracuse Smelting Works, subsidiary), 192 Diamond, Brooklyn, N. Y.
United Lead Co., 111 B'way, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Wensley Metal Products Co., Denver, Colo.
Williams E. A. & Son, 109 Plymouth, Jersey City, N. J.
Wolff L. A. Metal Works, 1257 Harrison a, Cincinnati, O.

## 9693— Metals (Magnesium)

American Magnesium Corp., Niagara Falls, N. Y.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
United Smelting & Aluminum Co., Inc, 183-189 Commerce, New Haven, Conn.

## 9694— Metals (Manganese)

Dow Chemical Co., Midland, Mich.
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
**METAL & THERMIT CORP.**, 120 Broadway, New York *See adv index at end of book*


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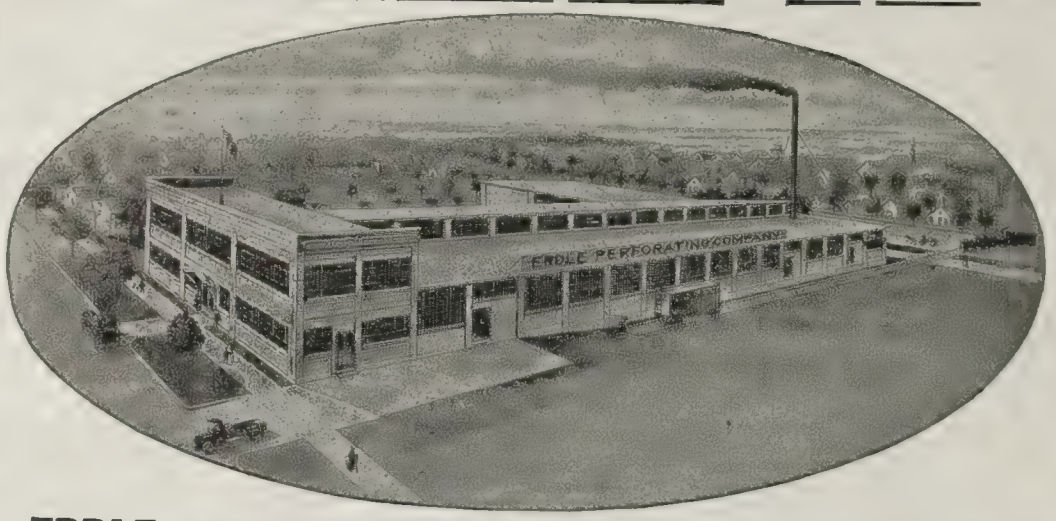


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### 9695— Metals (Nickel)

Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

**INTERNATIONAL NICKEL CO.,** 43 Exchange pl, New York
*See adv index at end of book*

**MERCHANT & EVANS CO.,** Washington av & 21st, Phila., Pa.
*See adv index at end of book*

United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

United States Nickel Co., New Brunswick, N. J.

Whipple & Choate, Bridgeport, Conn.

**WILLIAMS & CO. (INC.)** 901-937 Pennsylvania av, N. S.
*See adv index at end of book*

### 9695a—Metals (Nickel Silver)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*See adv index at end of book*

Chase Metal Works ("Chase") Waterbury, Conn.

International Nickel Co., 43 Exchange pl, New York *See adv index at end of book*

Scovill Mfg. Co. (Specialties), Waterbury, Conn. *See adv index at end of book*

### Metals (Old)

See Scrap Iron & Steel

See also Scrap Brass & Copper

### 9696— Metals (Perforated)

Allis-Chalmers Mfg. Co., Milwaukee, Wis

American Perforated Metal Co., Belleville, N. J.

Beckley Perforating Co. (For All Purposes), Garwood, N. J.

California Perforating Screen Co., 416 Harrison, San Francisco, Cal.

Central Stamping Co., 174 Fulton, New York

Chicago Perforating Co., 208 S LaSalle, Chicago, Ill.

Cross Engineering Co., Carbondale, Pa.

**ERDLE PERFORATING CO.,** 181 York Rochester, N. Y.
*See adv index at end of book*

Harrington & King Perforating Co., 614 N Union av, Chicago, Ill.

Hendrick Mfg. Co., Carbondale, Pa.

Hungerford U. T. Brass & Copper Co. (Brass, Copper, Iron or Steel), 80 Lafayette, New York

Johnston & Chapman Co., 2925 Carroll av, Chicago, Ill.

**Laubenstein Mfg. Co., Ashland, Pa.**

Littleford Bros., 444 E Pearl, Cincinnati, O.

Manhattan Perforated Metal Co., 237 Centre, New York

Merchant & Evans Co. (Brass, Copper, Iron or Steel), Washington av & 21st, Phila., Pa. *See adv index at end of book*

Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*

Multi-Metal Separating Screen Co., 251 W 19th, New York

Mundt Charles & Sons, 53 Fairmount av, Jersey City, N. J.

Nortmann-Duffke Foundry Co. (Perforated from all Metals), 27th av, Milwaukee, Wis.

Novelty Mfg. Co. (Also Embossed), Waterbury, Conn.

Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.

Toepfer W. & Sons Co., 80 Menomonee, Milwaukee, Wis.

Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*


**Wire Cloth**
**Perforated Metals**
**Western Metal Products Co.**
731-733 North Wells Street
Chicago, Ill.


**WICKWIRE SPENCER STEEL CORP.,** Worcester, Mass.
*See adv index at end of book*

### 9697— Metals (Plated Sheet)

National Sheet Metal Works, (Nickel, Tin & Zinc, Bronzene, Brassene, Copperene, etc), Peru, Ill.

### 9698— Metals (Platers')

Connecticut Brass & Mfg. Corp. (Thin Gauges of Rolled Brass, Bronze, Nickel, Silver, Copper), Waterbury, Conn.

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland

Merchant & Evans Co., Washington av & 21st, Phila, Pa.
*See adv index at end of book*

**Winchester B. & C. Co. (Thin Gauges, Rolled Brass, Bronze & Copper),** Winsted, Conn.

### 9699— *Metals (Rare)

**LEAVITT C. W. & CO.,** 34 Church, New York *See adv index at end of book*

### 9700— Metals (Silicon)

**Carborundum Co., Niagara Falls, N. Y.**

### 9701— Metals (Silver)

Earle E. P., 165 Broadway, New York

Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.

### 9702— Metals (Terne)

Pittsburgh Smelting & Refining Co., Elizabeth & B. & O. R. R., Pittsburgh, Pa.

### 9703—*Metals (Tobin Bronze)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*

Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*

### 9703a—Meter—Discs & Counters (Numbered)

Arlington Works, The (E. I. du Pont de Nemours & Co.), Wilmington, Del.

Hanks F. W. ("Nowarp" Discs), 1064 St. Clair av, Cleveland, O

### 9704— Meter Provers

American Meter Co., 3112 N 17th, Phila., Pa.

Equitable Meter Co., 424 1st av, Pittsburgh, Pa.
Frontier Meter Works, Buffalo, N. Y.
McDonald D. & Co., Albany, N. Y.
Phoenix Meter Co., Camden, N. J
**PITTSBURGH METER CO,,** East Pittsburgh, Pa.
Standard Meter Co., 3117 N 17th, Phila., Pa.
Superior Meter Co., 254 36th, Brooklyn, N. Y.

## 9705— Meter Seals

American Seal Co., Bridgeport, Conn.
Amer. Casting & Mfg. Corp., 30 Main, Brooklyn, N. Y.
Books E. J. Co., 227 Fulton, New York
Eastern Specialty Co., 3310 Germantown, Phila., Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
International Seal & Knot Protector Co., 133 Mercer, New York
Keystone Seal & Press Co. ("Keystone"), 30 Main, Brooklyn, N. Y.
Lattimer-Stevens Co., 74 E Gay, Columbus, O.
Metropolitan Engrg. Co., 1250 Atlantic av, B'klyn, N. Y.
United Seal Co. ("Safety," "Peerless"), 239 S Pearl, Columbus, O.

## 9706— Meters (Acetylene)

Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
Cleveland Gas Meter Co., 2180 E. 65th, Cleveland, O.
Frontier Meter Works, Buffalo, N. Y.
Griffin John J. & Co., 1513 Race, Phila., Pa.
Maryland Meter Works, North & Saratoga, Baltimore, Md.

## 9707— Meters (Air)

Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
Bailey Meter Co. ("Bailey"), 2017 East 46th, Cleveland, O., & 139 Milk, Boston, Mass.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Clark, Chas. J., 1716 W Adams, Chicago, Ill.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Metric Metal Works ("Westcott"), Erie, Pa.
St. John G. C., 280 Madison av, New York
Sargent Steam Meter Co., 820 So. Tripp, Chicago, Ill.
Wissler A., B'way & Washington av, St. Louis, Mo.

## 9707a—*Meters (Air Speed, for Aeroplanes)

**FOXBORO COMPANY THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Precision Instrument Co., 21 Halsey, Newark, N. J.
*See adv index at end of book*

## 9707b—Meters (Altitude & Degree Finder)

Eureka Instrument & Appliance Co., 419 Granite bldg, Rochester, N. Y.

## 9708-9—Meters (Ampere Hour)

Sangamon Electric Co. ("Sangamo" Direct Current), Springfield, Ill.

## Meters (Auto)

See Meters, Speed Indicating

## 9710— Meters (Beer)

Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 9710a— Meters (Boiler)

Bailey Meter Co. ("Bailey" For Rate of Flow, Steam, Air & Flue Gas Temperature), 2017 East 46th, Cleveland, O., & 139 Milk, Boston, Mass.
Blanck W. A. & Co. (Efficiency), 155 N Clark, Chicago, Ill.

## 9710b— Meters (Brine)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Phila. Meter Co., Real Estate Trust bldg, Phila., Pa.

## 9710c—Meters (By-Product Coke Oven Gas)

Bailey Meter Co. ("Bailey"), 2017 East 46th, Cleveland, O., & 139 Milk, Boston, Mass.
Builders Iron Foundry ("Venture"), Providence, R. I.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
*See adv index at end of book*

## 9710d—Meters (Chemical Solutions)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.

## 9711— Meters (Coal)

C. J. Mfg. Co. (For Stokers, etc), 3425 N 5th, Phila., Pa.
Havard O. D. Co. ("Harvard"), Scranton, Pa.

## 9712-3— Meters (Current)

See also Meters, Flow

Buff & Buff Mfg. Co., Jamaica Plain, Mass.
Gurley W. & L. E. ("Price," For Steam Gaging), Troy, N. Y.
Sangamo Electric Co. (Car, Street Railway & Motor Current), Springfield Ill.
Simple Valve & Meter Co., 110 N Broad, Phila., Pa.

## 9714— Meters (Disc)

**BUFFALO METER CO.** ("American" & "Niagara"), 2921 Main, Buffalo, N. Y.
*See adv index at end of book*
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 9715-6—Meters (Distance Recording)

Bullard Specialty Co. (Speedometer & Odometer Combined), Springfield, Mass.
Du Vivier Ernest H. (Imp), 30 Church, New York
Electric Tachometer Co. (Electric Odometers, Speedometers, etc.), 435 N Broad, Phila., Pa.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Sibley Pitman Electrical Corp. ("Abell"), 190 6th av, New York
Standard Thermometer Co., 65 Shirley, Boston, Mass.
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway, Chicago, Ill.
Veeder Mfg. Co. ("Veeder" Cyclometers, Hub Odometers), Hartford, Conn.

## Meters (Electric)

See Wattmeters; also Ammeters & Voltmeters

## 9717—Meters (Feed Water)

Bailey Meter Co. ("Bailey"), 2017 E 46th, Cleveland, Ohio, & 139 Milk, Boston, Mass.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Central Station Steam Co., 710 Woodbridge av, Detroit, Mich.
**HARRISON SAFETY BOILER WORKS,** ("Cochrane"), 3147 N 17th, Phila., Pa.
Hoppes Mfg. Co., Springfield, Ohio
Simplex Valve & Meter Co., 110 N Broad Phila., Pa.
Yarnall-Waring Co., Harrison bldg, Phila., Pa.

## 9718— Meters (Flow)

Bailey Meter Co. ("Bailey"), 2017 E 46th, Cleveland, Ohio, & 139 Milk, Boston, Mass.
**FOXBORO COMPANY, THE** ("Foxboro," Steam, Water & Gas), Foxboro, Mass.
*See adv index at end of book*
**GENERAL ELECTRIC CO.** (Integrating, Recording & Indicating, for Air, Steam, Water, Gas & Oil), Schenectady, N. Y. *See adv index at end of book*
Precision Instrument Co., 21 Halsey, Newark, N. J.
*See adv index at end of book*
Republic Flow Meters Co., 565 Washington blvd, Chicago, Ill.
**SPRAY ENGINEERING CO.,** ("Vaughan" Sight Indicating), 93 Federal, Boston, Mass. *See adv index at end of book*

"SPRACO"
"Vaughan" Flow Meter for indicating flow of water and other liquids under pressure in pipe lines.
SPRAY ENGINEERING CO.
93 Federal St.,
BOSTON, MASS.


## 9719— Meters (Frequency)

Biddle James G. ("Frahm"), 1211 Arch, Phila., Pa.
**BRISTOL CO.** ("Bristol" Recording), Waterbury, Conn.
Holtzer-Cabot Electric Co., 125 Armory, Boston, Mass.
Lombard Governor Co. (Precision), Ashland, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

## 9720— Meters (Fuel Gas)

American Meter Co., 3112 N 17th, Phila., Pa.
Bacharach Industrial Instrument Co. ("Hydro"), 14 Wood, Pittsburgh, Pa.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Equitable Meter Co., 424 1st av, Pittsburgh, Pa.
**PITTSBURGH METER CO.,** East Pittsburgh, Pa.
Precision Instrument Co., 21 Halsey, Newark, N. J.
*See adv index at end of book*
Uehling Instrument Co., 71 B'way, New York

## 9721— Meters (Gas)

American Meter Co. (Wet & Dry), 3112 N 17th, Phila., Pa.
Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
Bailey Meter Co. ("Bailey"), 2017 E 46th, Cleveland, O. & 139 Milk, Boston, Mass.
Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.
Cleveland Gas Meter Co. (Also Cast Iron for Natural Gas), 2180 E 65th, Cleveland O.
**CUTLER-HAMMER MFG. CO.** (Electric, for Gas Plants), 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Equitable Meter Co. ("Equitable" Dry), 424 1st av, Pittsburgh, Pa.
Gas Machinery Co. (Station), 1900 Euclid av., Cleveland, O.
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*
Griffin J. J. & Co., 1513 Race, Phila., Pa.
Helme & McIlhenny, 1339 Cherry, Phila., Pa.
McDonald D. & Co., Albany, N. Y.
Metric Metal Works (Natural & Artificial Gas), Erie, Pa.
Ohio Gas Meter Co. (Tin), Soc. for Sav. bldg, Cleveland, O.
Phoenix Meter Co., Camden, N. J.
**PITTSBURGH METER CO.** ("Westinghouse" Gas & "Westinghouse" Proportional), East Pittsburgh, Pa.
Rotary Meter Co. (Rotary Meter), 52 Vanderbilt av, New York
St. John G. C. ("St. John" Indicating & Recording), 280 Madison av, New York
Sargent Steam Meter Co., 820 So. Tripp, Chicago, Ill.
Sprague Meter Co. (Cast Iron), Bridgeport, Conn.
Standard Meter Co. (Natural & Artificial Gas), 3117 N 17th, Phila., Pa.
Standard Meter & Mfg. Co. (Natural & Artificial Gas), 433 W 42d, New York

METERS (Gas)—continued

Superior Meter Co. (also Oxygen & Hydrogen & Anesthetic), 254 36th, Brooklyn, N. Y.

Tufts Nathaniel Meter Co., 455 Commercial, Boston, Mass.

## 9722— Meters (Gasoline)

**BUFFALO METER CO.** ("Niagara"), 2921 Main, Buffalo, N. Y.
*See adv index at end of book*

Pittsburgh Meter Co. (Service Station), East Pittsburgh, Pa.
*See adv index at end of book*

Phila. Meter Co., Real Estate Trust bldg, Phila., Pa.

## 9723—Meters (Grade Indicating)

Adams Co. ("Gradometers"), Dubuque, Ia.

Wissler A., B'way & Wash av, St. Louis, Mo.

## 9724— Meters (Hot Water)

Bailey Meter Co. ("Bailey"), 2017 E 46th, Cleveland O., & 139 Milk, Boston, Mass.

Buffalo Meter Co. ("Niagara"), 2921 Main, Buffalo, N. Y.
*See adv index at end of book*

**PITTSBURGH METER CO.**, East Pittsburgh, Pa.

**SIMPLEX VALVE & METER CO.** ("Simplex Venturi" & for V Notch Weirs), 110 N Broad, Phila., Pa.

**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 9725—Meters (Lumber Measuring)

Adde & Co., Portland, Me.

Tally-Meter Co. ("Tally-Meter"), Norwich, Conn.

## 9726— *Meters (Natural Gas)

Bailey Meter Co. ("Bailey"), 2017 E 46th, Cleveland O., & 139 Milk, Boston, Mass.

**PITTSBURGH METER CO.**, East Pittsburgh, Pa.

## 9727— Meters (Oil)

**BUFFALO METER CO.** (Niagara"), 2921 Main, Buffalo, N. Y.
*See adv index at end of book*

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

Milwaukee Tank Works, Fratney & Becker, Milwaukee, Wis.

National Meter Co., 299 B'way, New York

National Supply Co. (Fuel Oil), 416 W Grand av, Chicago, Ill.

**PITTSBURGH METER CO.**, East Pittsburgh, Pa.

Phila. Meter Co., Real Estate Trust bldg, Phila., Pa.

Union Water Meter Co. ("Ball & Fitts"), Worcester, Mass.

**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 9728— Meters (Photometer)

American Meter Co., 3112 N 17th, Phila., Pa.

Superior Meter Co., 254 36th, Brooklyn, N. Y.

## 9729— Meters (Pitot Tube)

**SIMPLEX VALVE & METER CO.** ("Simplex"), 110 N Broad, Phila., Pa.

## 9730— Meters (Pocket)

American Ever Ready Wks. ("Ever Ready" for Testing Batteries), Thompson av, L. I. City, New York

Connecticut Telephone & Electric Co. ("Connecticut" for Testing Batteries), Meriden, Conn.

Roberts Instrument Co. (Battery Testing), Detroit, Mich.

Sterling Mfg. Co. ("Sterling" Battery), Blackstone bldg, W 3rd, Cleveland, O.

## 9730a— Meters (Positive)

Pittsburgh Meter Co., E Pittsburgh, Pa.

## Meters (Prepayment Gas)

See Meters, Gas

## 9731—Meters (Proportional Gas)

Equitable Meter Co. ("Wylie"), 424 1st av Pittsburgh, Pa.

Maryland Meter Works, North & Saratoga, Baltimore, Md.

**PITTSBURGH METER CO.** ("Westinghouse"), East Pittsburgh, Pa.

## 9732—Meters (Recording Complaint)

Maryland Meter Works, North & Saratoga, Baltimore, Md.

## 9732a— *Meters (Rope)

Gant E. M. Mfg. Co. Inc. ("Gant"), Ethridge, Tenn.

## 9733— Meters (Sewage)

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.

## 9734—Meters (Speed Indicating)

See also Indicators, Speed

Bullard Specialty Co. (Speedometer, Odometer & Clock Combined), Springfield, Mass.

**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*

Jones Speedometer ("Jones"), 590 Jackson

Du Vivier Ernest H. (Imp), 30 Church, New York

Elgin National Watch Co., Elgin, Ill.

Nicholson Ship Log & Realty Co. ("Nicholson" for Motor Boats, Yachts, etc), 409 Superior, N W, Cleveland, O.

Stewart-Warner Speedometer Corp. ("Warner" Auto Meters), 1826 Diversey Parkway, Chicago, Ill.

Veeder Mfg. Co. ("Veeder Speed Counter," also "Tachometer"), Hartford, Conn.

**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 9735— Meters (Station)

American Meter Co., 3112 N 17th, Phila., Pa.

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.

Equitable Meter Co., 424 1st av, Pittsburgh, Pa.

Helme & McIlhenny, 1339 Cherry, Phila., Pa.

McDonald D. & Co. ("Hinman" Drum), Albany, N. Y.

Phoenix Meter Co., Camden, N. J.

Rotary Meter Co. (Rotary Meter), 52 Vanderbilt av, New York

Southern Saw Works, East Point, Ga.

Standard Meter Co., 3117 N 17th, Phila., Pa.

Tufts Nathaniel Meter Co. ("Hinman"), 455 Commercial, Boston, Mass.

## 9736— Meters (Steam)

American District Steam Co. ("Holly," "Rotometer," "St. John" Steam and "Simplex" Condensation), N Tonawanda, N. Y.

Bailey Meter Co. ("Bailey" Steam Plow), 2017 E 46th, Cleveland, O., & 139 Milk, Boston, Mass.

Builders Iron Foundry ("Venturi"), 9 Codding, Providence, R. I.

Central Station Steam Co. ("Detroit"), 710 Woodbridge, Detroit, Mich.

**GENERAL ELECTRIC CO.** (Indicating & Recording), Schenectady, N. Y.
*See adv index at end of book*

Pearce W. H. & Co. ("Crescent" Condensation), 333 S Dearborn, Chicago, Ill.

Plant Engineering & Equipment Co. Inc., (Condensation), 11 John, New York

St. John G. C. ("St. John" Indicating & Recording, 280 Madison av, New York

Sargent Steam Meter Co. ("Sargent"), 820 So Tripp, Chicago, Ill.

## 9737— Meters (Test)

American Meter Co., 3112 N 17th, Phila., Pa.

**BUFFALO METER CO.** (For Testing Water Meters), 2921 Main, Buffalo, N. Y. *See adv index at end of book*

Equitable Meter Co., 424 1st av, Pittsburgh, Pa.

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

Phoenix Meter Co., Camden, N. J.

Standard Meter Co. (Portable), 3117 N 17th, Phila., Pa.

Precision Instrument Co. (Gas), 21 Halsey, Newark, N. J.
*See adv index at end of book*

**WESTINGHOUSE ELECTRIC & MFG.** Co., E Pittsburgh, Pa.
*See adv index at end of book*

## 9738—Meters (Testing, Water Meter)

**BUFFALO METER CO.** ("American"), 2921 Main, Buffalo, N. Y.
*See adv index at end of book*

## 9738a— Meters (Torsien)

Cummings Ship Instrument Works ("Gary-Cummings"), 110 High, Boston, Mass.

McNab ("Hopkinson Thring"), Bridgeport, Conn. *See adv index at end of book*

## 9739—Meters (Turbine Water)

Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 9739a— *Meters V. Notch

Harrison Safety Boiler Wks., 3147 N 17th, Phila., Pa.

## 9740— Meters (Water)

**ALBERGER PUMP & CONDENSER CO.** ("Hammond"), 140 Cedar, New York

Badger Meter Mfg. Co. (Disc), 841 30th, Milwaukee, Wis.

Bailey Meter Co. ("Bailey"), 2017 E 46th, Cleveland, O. & 139 Milk, Boston, Mass.

**BUFFALO METER CO.** ("Buffalo," "Niagara," "American"), 2921 Main, Buffalo, N. Y. *See adv index at end of book*

Builders Iron Foundry ("Venturi" for Hot & Cold Water, Brine, Chemical Solutions, Oil, Gas, Air & Steam), 9 Codding, Providence, R. I.

Gamon Meter Co. ("Watch Dog"), Newark, N. J.

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

Hersey Mfg. Co. ("Detector," Disc, Rotary & Torrent), 314 W 2nd, South Boston, Mass.

Hydrometic Co., 953 N Main, Los Angeles, Cal.

National Meter Co. ("Empire Crown," "Nash Gem," "Premier"), 299 B'way, New York

Neptune Meter Co. ("Trident"), 50 E 42d, New York

**PITTSBURGH METER CO.** ("Eureka" & "Keystone"), E Pittsburgh, Pa

Phila. Meter Co., Real Estate Trust bldg, Phila., Pa.

**SIMPLEX VALVE & METER CO.** ("Simplex Venturi," "Pitot Tube," V Notch & Rectangular Weirs), 110 N Broad, Phila., Pa.

Standard Meter & Mfg. Co., 433 W 42nd, New York

Thomson Meter Co. ("Lambert"), 110 Bridge, Brooklyn, N. Y.

Union Water Meter Co. ("King," "Union," "Columbia," "Nilo," "Nilo-Compound" "Union Compounding Valve"), Worcester, Mass.

**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 9741— Meters (Water-Cart)

Neptune Meter Co. ("Trident-Crest"), 50 E 42d, New York

## Meters (Water Flow)

See Recorders, Water Flow

## 9742— Meters (Watthour)

Duncan Elec. Mfg. Co. ("Duncan"), Lafayette, Ind.

**GENERAL ELECTRIC CO.** ("Thomson"), Schenectady, N. Y.
*See adv index at end of book*

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Over 350,000 in Use

*All sizes have pivot bearing intermediate gears, reinforced disc pistons, dirt proof submerged bearings, free delivery of flow or adjustment for excessive pressures, removable strainer, fewest and most simple parts kept clean and operative by special design, three styles of outside casings and either straight or standard registers indicating U. S. gallons, imperial gallons, cubic feet or litres.*

**BUFFALO METER CO.**

**2921 Main Street, Buffalo, N. Y.**

Straight Reading Register


Roller-Smith Co. ("Columbia"), 233 B'way, New York
Sangamon Electric Co. (Integrating, Direct & Alternating Current, also Ampere Hour Meters), Springfield, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, (Prepayment Recording), E Pitts-

### 9742a— Methyl Salicylate

Dow Chemical Co., Midland, Mich.
Heyden Chemical Works, 135 William, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
National Aniline & Chemical Wks., 21 Burling Slip, New York

### 9742b— Methyl Violet

American Aniline Products, Inc., 80 5th av, New York
Aniline Dyes & Chemicals, Inc., Cedar & Washington, New York
Dicks David Co., Inc., Varick & No Moore, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York

### 9742c— Methylene Blue

Aniline Dyes & Chemicals, Inc., Cedar & Washington, New York
Collinsville Chemical Co., Collinsville, Ill.
Dicks David Co., Inc., Varick & No Moore, New York
Holland Aniline Co., Holland, Mich.
Marden, Orth & Hastings Co., 136 Liberty, New York
Metz H. A. & Co. Inc., 122 Hudson, New York
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
National Gum & Mica Co., 59th & 11th av, New York
Penchot A. (Importer), 120 W 31st, New York
Reliance Aniline & Chemical Co., 299 B'way, New York
Schapper Chemical Co. (Commercial Medicinal, etc), 192 N Clark, Chicago, Ill.

### 9743— Metric Packing

**Metric Packing Co., Buffalo, N. Y.**
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York

### 9744— Metronomes

**Thomas Seth Clock Co., Thomaston, Conn.**

### 9744a— *Mica

**CHICAGO MICA CO.**, Valparaiso, Ind.
*See adv index at end of book*

### 9745—Mica (Ground & Pulp)

See also Mica, Manufactured

**American Mica Co., 52 B'way, New York**
American Mica Products Co., 32 N Dearborn, Chicago, Ill.
Asheville Mica Co., Asheville, N. C.
Black Edw., Newdale, N. C.
**CHICAGO MICA CO.** (Ground, For Annealing & Lubricating Purposes), Valparaiso, Ind.
*See adv index at end of book*
**Dielectric Mfg. Co. (Compressed Sheet Mica), 224 Vanderbilt av, St. Louis, Mo.**
**English Mica Co., Insurance bldg, Williamsport, Pa.**
**Granite State Mica Co., 294 Wash., Boston, Mass.**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Keene Mica Products Co., 34 W 33d, New York
**Loos & Dilworth (Stained & Pulp), 134 S Front, Phila., Pa.**
**Macallen Co. (Compressed) (Macallen & Foundry), 16 Macallen, Boston, Mass.**
McMeekan D. Mfg. Co. (Ground Mica & Mica Pulp), 1070 Pacific, Brooklyn, N. Y.
Mica Products Co., 32 No Dearborn, Chicago, Ill.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
National Gum & Mica Co., 59th & 11th av, New York
New England Mica Co., Waltham, Mass.
New York Mica Products Co., 68 Murray, New York
New York Mica & Mfg. Co., 38 Market, Auburn, N. Y.
**Preston Co., Robt. K., 53 W Jackson, Chicago, Ill.**
Richmond Mica Co., Richmond, Va.
**Southern Coupon Co., Birmingham, Ala.**
Storrs Mica Co., Owego, N. Y.
Tar Steel Mica Co., Plumtree, N. C.
**United States Mica Mfg. Co., 14 E Jackson blvd, Chicago, Ill.**
**Vance D. T. (Ground), Plumtree, N. C.**
Whittaker Clark & Daniels Inc. (Jobbers), 250 Front, New York

### Mica Insulators

See Insulators

### 9746— Mica (Manufactured)

See also Mica, Ground & Pulp

**American Mica Co. (Stove & Electrical), Newton Lower Falls, Mass.**
American Mica Products Co., 32 N Dearborn, Chicago, Ill.
American Trading Co., 25 Broad, New York
**Asheville Mica Co. (Products), Asheville, N. C.**
Binswanger H. P. (Sheet), 7 W 16th, New York
**Burleson J. E. Mica Co., Spruce Pine, N. C.**
**Carolina Mineral Co. (Raw, Stove & Cut & Punched Mica), Penland, N. C.**
**CHICAGO MICA CO.** (Moulding & Commutator Segment "V" Rings, Tubes, Trough, & Special Moulded Pieces, Mica Flexible, Cloth, also Paper), Valparaiso, Ind.
*See adv index at end of book*
Cronkhite Co., Inc. ("Cronkhite" Electrical Insulation), 185 Devonshire, Boston, Mass.
*See adv index at end of book*
Fleig L. L. & Co., 212 W Austin av, Chicago, Ill. *See adv index at end of book*
Keene Mica Products Co., 34 W 33d, New York
**Meirowsky Bros. ("Micadamite"), Tempered Mica), Jersey City, N. J.**
**Mica Insulator Co. ("Micanite"), 68 Church, New York**
**Mica Mfg. Co. (India, Amber & Domestic), 135 Johnson, Bklyn, N. Y.**
Mica Mines Corp., 271 B'way, New York
Mikesell Bros. Co. (Washers, Plates, Sheets, Stove, etc), 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
**Munsell Eugene & Co., 68 Church, New York**
**North Carolina Mica Co., 80 North, Boston, Mass.**
**Producers Mica Co., 225 E 22d, Chicago, Ill.**
Products Mica Co., 32 No Dearborn, Chicago, Ill.
**Richmond Mica Co., Richmond, Va.**
**Schoonmaker A. O. (Importer, India & Amber), 88 Park pl, New York**
**United States Mica Mfg. Co., 14 E Jackson blvd, Chicago, Ill.**
**Warner C. T., 906 S Bishop, Chicago, Ill.**
**Watson Bros., 170 Purchase, Boston, Mass.**
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

### 9747— Mica (Raw)

American Mica Products Co., 32 N Dearborn, Chicago, Ill.
Asheville Mica Co., Asheville, N. C.
Binswanger H. P. (Who. Dlr. & Sheet), 7 W 16th, New York
**Burleson J. E. Mica Co., Spruce Pine, N. C.**
**CHICAGO MICA CO.** (Cut & Uncut Sheet), Valparaiso, Ind.
*See adv index at end of book*
Diamond Drill Carbon Co. (Brazilian), 59 Park Row, New York
**Doggett Stanley (Dealers & Imp.), 11 Cliff, New York**
Fillion S. O. (Cut & Uncut, Stove, Electrical), 68 Murray, New York
**Keene Mica Prod. Co., 34 W 33rd, New York**
**Meirowsky Bros., Jersey City, N. J.**
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
**Munsell Eugene & Co., 68 Church, New York**
**North Carolina Mica Co., 80 North, Boston, Mass.**
Preston Robt. K. Co., 53 W Jackson, Chicago, Ill.
Products Mica Co., 32 No Dearborn, Chicago, Ill.
**Richmond Mica Co., Richmond, Va.**
**Tar Heel Mica Co., Plumtree, N. C.**
**Vance D. T., Plumtree, N. C.**
**Watson Bros., 170 Purchase, Boston, Mass.**

### 9748— *"Micarta"

**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

### 9749— Micrometers

See also Gauges, Micrometer

Brown & Sharpe Mfg. Co., Providence, R. I
Davis Mfg. Co., Milwaukee, Wis.
Goodell-Pratt Co., Greenfield, Mass.
Reed Small Tool Works, Worcester, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Slocomb J. T. Co., 29 Oxford, Providence, R. I.

MICROMETERS—continued
**STARRETT L. S. CO. (THE)** (Outside, Inside & Metric), Athol, Mass.
*See adv index at end of book*
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.

## Microphones

**See Audiphones**

## 9750— Microscopes

**Bausch & Lomb Optical Co., Rochester, N. Y.**
Brawn-Knecht-Heimann Co. (& Accessories), 576-584 Mission, San Francisco, Cal.
Eimer & Amend ("B. & L."), 205 3d av, New York
**Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.**
**Gundlach-Manhattan Optical Co., Rochester, N. Y.**
**Heil Henry Chemical Co., St. Louis, Mo.**
Holz & Co., Inc., 18 Madison av, New York *See adv index at end of book*
**Leitz Ernest (Metallurgical & Biological, Imp.), 30 E 18th, New York**
**Queen-Gray Co., 618 Chestnut, Phila., Pa.**
Sargent E. H. & Co., 155 E Superior, Chicago, Ill.
**Sauveur & Boylston ("Sauveur" Metallurgical), Cambridge, Mass.**
**Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.**
**Spencer Lens Co., Buffalo, N. Y.**
**Sussfeld, Lorsch & Co. (Imp.), 90 Maiden Lane, New York**
**Thomas Arthur H. Co., W Washington sq, Phila., Pa.**

## 9751— Microtomes

**Bausch & Lomb Optical Co., Rochester, N. Y.**
Eimer & Amend, 205 3d av, New York
**Leitz Ernest (Imp.), 30 E 18th, New York**
Petersen Anker ("Petersen"), 330 Atlantic av, Boston, Mass.
**Spencer Lens Co., Buffalo, N. Y.**

## 9752— Military Brushes

The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.

## 9753— Milk-Shakers

Walker C. L. ("Quick & Easy"), 656 W 12th, Erie, Pa.

## 9754— Mill Bearings

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Bronzbraswyt Metal Co., 4901 Butler, Pittsburgh, Pa.
**DAMASCUS BRONZE CO.** ("Damascus"), N. S. Pittsburgh, Pa.
*See adv index at end of book*

## 9754a— Mill Boards Mfrs.

Union Paper & Twine Co., 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg., Buffalo, N. Y.
*See adv index at end of book*

## Mill Stones

**See Millstones**

## 9755—Mill & Factory Supplies

**Firms indicated by a Star (*) Manufacture Belting also**
**For Manufacturers of Mill & Factory Supplies, Consult Index of Contents for Specific Article Required**

### ALABAMA.

**ANDALUSIA—Benson Hardware Co.**
ANNISTON—Anniston Hardware Co.
BESSEMER—Long-Lewis Hardware Co.
BIRMINGHAM—Joubert & Goslin Machine & Foundry Co.
McClary-Jemison Machinery Co.
Moore Handley Hardware Co.
**Yates J. A. Machine Co.**
**Young & Vann Supply Co. (Also Mine)**
BREWTON—Luttrell Hardware Co.
BRIDGEPORT—De Loach Mill Mfg. Co.
DOTHAM—Dotham Foundry & Machine Co.
GREENVILLE—Johnson Hardware & Implement Co.
MOBILE—American Equipment Co.
Courtright & Whiting Supply Co.
Cunningham Hardware Co.
McGowin Lyons Hardware & Supply Co.
**Reliance Equipment Co.**
Standard Equipment Co.
Turner Supply Co. (also Railway)
MONTGOMERY—Alabama Machinery & Supply Co.
Barnett G. W., Hardware Co.
Janney & Co.
Lum Machinery & Supply Co.
Tullis-Gamble Hardware Co.
OPELIKA—Phillips-Yarbrough Hdwre. Co.
SELMA—Bloch Bros.
Tissier Hardware Co.
Union Iron Works Co.
TALLADEGA—Michael Supply & Roofing Co.
TUSCALOOSA—Allen & Jemison Co.

### ARIZONA.

NOGALES—Roy & Titcomb (Also Mine)
Mulrein J. H. Plumbing Supply Co.
Pratt-Gilbert Co.
PHOENIX—Arizona Iron Works
Mulrein J. H. Plumbing Supply Co.
Pratt-Gilbert Co.
Talbot & Hubbard, Inc.
Thayer Ezra W. (Also Mine)
PRESCOTT—Arizona Mine Supply Co.
Hill Samuel Hardware Co. (Also Mine)
**TUCSON—Steinfeld Albert & Co. (Mine)**

### ARKANSAS.

**FORT SMITH—Atkinson-Williams Hardware Co.**
**Ketcham Iron Co.**
**Meister Bros. Bracht Co.**
**Speer Hardware Co.**
HELENA—Crum Lewis Co.
Tappan Hardware Co.
**HOPE—Hope Hardware Co.**
**HOT SPRINGS—Hot Springs Plumbing & Machine Co.**
JONESBORO—Jeter Hardware Co.
LITTLE ROCK—Central Supply Co.
Cox Thomas & Sons Machinery Co.
**Fones Bros. Hardware Co.**
Hollis & Co.
**Kidd-Bossinger Hardware Co.**
**Rosenbaum C. E. Machinery Co.**
Schaad Ben D. Machinery Co.
NEWPORT—Newport Foundry & Machine Co.
**PINE BLUFF—Arkansas Mill Supply Co.**
Fox Bros. Hardware Co.
Pine Bluff Iron Works

### CALIFORNIA.

**BAKERSFIELD—California Nat'l Supply Co.**
**Fairbanks, Morse & Co.**
**Herron R. H. Co.**
Pioneer Mercantile Co.
FRESNO—Barrett-Hicks Co., Valley Foundry & Machine Works
COALINGA—Bowen S. R. Co. (& Oil Wells)
California National Supply Co.
Lucey Mfg. Corp. (Oil Wells Supplies)
FRESNO—Inland Iron Co.
Valley Fdry. & Mch. Co.
GRASS VALLEY—Alpha Hdw. & Supply Co
Grass Valley Hardware Co. (Also Mine)
LOS ANGELES—American Well & Prospecting Co., 407 E 3rd
Angelus Rubber Co. (Belting, Jobbers & Mechanical Rubber Goods), 119 E 3rd
Berger & Carter Co.
Busch A. H. Co., 150 N Los Angeles
California Hardware Co., 500 E 1st
California National Supply Co. (Mine), 149 N Los Angeles
Crane Co., 321 E 3rd
Ducommun Hardware Co. (Also Mine), 219 S Central av
Eby Machinery Co., 438 E 3rd
Eccles & Smith Co., 243 S Los Angeles
Fairbanks, Morse & Co., 427 E 3rd
Harper & Reynolds Co., 152 N Main
Harron Rickard & McCone, 225 S. San Pedro
Herron R. H. Co. (Belting Jobbers), 934 N Almeda
Leland Bros. Co., 304 E 3rd
Llewellyn Iron Works, 1100 N Main
Los Angeles Heavy Hardware Co., 218 N Los Angeles
*Los Angeles Rubber Co. (Mechanical Rubber Goods), 214 E 3rd


# Frick and Lindsay Company

Supplies for Manufacturers, Mines,
Contractors and Oil and Gas Wells

Pittsburgh Branch
**John A. Roebling's Sons Co.**
Wire and Wire Rope

**PITTSBURGH, PA.**
Sandusky and Robinson Sts., N. S.

McFie W. T. Supply Co., 213 N Los Angeles
Meese & Gollfried Co., 400 E 3rd
**Pacific Mill & Mine Supply Co. (Also** Mine), 310 E 3rd
Pacific Pipe & Supply Co., 1002 Santa Fe
**Smith-Booth-Usher Co. (Also Mine),** 228 S Central av
**Smith E. M. Co., 618 Clarence**
U. S. Rubber Co. of Cal., 923 S Los Angeles
Union Hardware & Metal Co., 411 E 1st
Warren & Bailey Co. (Belting, etc.), 214 E 3rd
Whiteing Mead Commercial Co., 415 E 9th
**Wigmore John & Sons Co., N E Cor 4th & San Pedro**
MARICOPA—Herron R. H. Co.
**NEVADA CITY—Alpha Hdwe & Supply Co.**
**Miners' Fdry. & Supply Co.**
**Nevada City Hardware Co.**
OAKLAND—American Machine Works, 518 4th
Crane Co.
**United Iron Works**
Western Heavy Hardware & Iron Co.
**REDDING—McCormick-Saeltzer Co.**
SACRAMENTO—Crane Co.
Schaw-Batcher Co.
Hazard-Gould Co.
SAN DIEGO—Machinery Supply Co.
Mayer Sidney E. Co.
Western Metal Supply Co.
**SAN FRANCISCO—Atkins E. C. & Co., 257** Mission
**Baker, Hamilton & Pacific Co., 7th** & Townsend
**Berger & Carter Co. (Owners of Pa**cific Tool & Supply Co.), 365 Market
•California Belting Co., 1459 Mission
**California National Supply Co., Balboa** bldg
**California Card Mfg. Co., Poerero av** & Mariposa
**California Saw Works, 721 Brannan**
Carroll W. A. Co., 67 Main
Coast Supply Co., 24 California
•Cook H. N. Belting Co., 401 N Howard
**Continental Steel & Supply Co., 529** Howard
**Crandley Rubber & Supply Co., 315** Market
**Crane Co. (of Chicago), Est. 1855, 2nd** & Brannon
•Degen L. P. Belting Co., 258 Mission
•Dick R. & J. Co., Inc., 557 Mission
**Dunham, Carrigan & Hayden Co. (Also Mine), Kansas & Division**
Eby Mchy. Co., 35 Main
Eccles & Smith Co., 77 1st
**Faget Engineering Co., 541 Howard**
Fairbanks, Morse & Co., 651 Mission
Foard-Barstow Ship Chandlery Co., 25 Drumm
Garlock Packing Co., 670 Howard
General Machinery & Supply Co., 39 Stevenson
*See adv index at end of book*
**Graton & Knight Mfg. Co., 247 Mission**
**Harron, Rickard & McCone, 139 Town**send
**Hendy Joshua Iron Works, 75 Fremont**
**Horsford Bros. Co., 235 Mission**
Lyon H. F., 24 California
Mangrum & Otter, Inc., 561 Mission
Marshall-Newell Supply, Spear & Mission
Martin J. C. & Co., Balboa bldg
Marwedel C. W., 76 1st
Pacific Mill & Mine Supply Co. (Also Mine), 616 Mission
Pacific Pump & Supply Co., 853 Folsom
Pacific Tool & Supply Co. (Owned by Berger & Carter Co.), Fremont & Mission
Pickthall Supply Co., 321 Fremont
Plant Rubber & Supply Co., 32 Beale
Republic Well Supply Co., 1st National Bank bldg
San Francisco Engineering Co., 322 6th
San Francisco Mill Furnishing Co., 521 7th
Scovel Iron Store Co., 754 Howard
Simonds Mchy. Co., 117 New Montgomery
Simonds Mfg. Co., 12 Natoma
Stallman F. O. Supply Co., 129 1st
Sullivan Edward S. Co., Monadnock bldg
**Taber-Bigelow Co., 504 Mission**
Tay Geo. H. Co., 599 Mission
**U. S. Rubber Co. of Cal., 50 Fremont**
**Wagner Jos. Mfg. Co., 165 Beale**
Western Equipment Co., 72 Fremont
Western Machinery Exchange, 201 Folsom
**Wilson J. R., Inc., 133 Stewart**
**Woodin & Little, 33 Fremont**
Wordin W. H. Co. (Also Mine), 126 Pine
**Young A. L. Machinery Co., 28 Fremont**
SAN JOSE—San Jose Hardware Co.
**SANTA MARIA—Fairbanks Morse & Co.**
SAN PEDRO—Marine Hardware Co.
**STOCKTON—Austin Bros.**
Holt Mfg. Co.
TAFT—California Nat'l Supply Co.
Fairbanks Morse & Co.
Heron R. H. Co.
Lucey Mfg. Corp.
Republic Well Supply Co.
Woods & Hausen

## COLORADO.

**BLACK HAWK—Clark Hardware Co.** (Also Mine)
Stroehle Mchy. & Supply Co.
BOULDER—McAllister Lumber & Supply Co.
Wilson Hardware Co.
**CENTRAL CITY—Jenkins-McKay Hdwe Co.**
**CRIPPLE CREEK—Cripple Creek Mine & Supply Co. (Also Mine)**
**DENVER—Advance Mach'y & Supply Co.**
Card C. S. Iron Works Co.
Colorado Rubber Co.
Denver Engineering Works
Dillon Box Iron Works Co.
Dillon Hardware Co.
Fairbanks Morse & Co.
Foss M. L.
Garlock Packing Co.
Hamburger Geo. Tool & Supply Co.
**Hendrie & Bolthoff Mfg. & Supply** Co. (Also Mine)
McFarlane Mfg. Co.
**Mine & Smelter Supply Co. (Also** Mine)
**Morse Bros., Machinery & Supply Co.**
Mountain States Rubber Co.
National Rubber Supply Co.
O'Fallon M. J. Supply Co.
**Stearns-Roger Mfg. Co.**
Wensley Metal Products Co.
William A. Box Iron Works Co., 3309 Blake
**OURAY—Ouray Hardware & Supply Co.**
FLORENCE—Oil Well Supply Co.
PUEBLO—Nelson N. O. Mfg. Co.
TRINIDAD—Branson & Griswold Hardware Co.
Crancer Hdwe. Co.
**TELLURIDE—Tomkins-Cristy Hardware** Co.

## CONNECTICUT.

BRIDGEPORT—Alling Rubber Co.
American Hardware Stores Inc., Fairfield av & Middle
Burroughs Baldwin Co., Inc., 383 Fairfield av
Chapman & Bangs Co.
**Crane Co.**
Gledhill & Co.
**Hawley Hardware Co.**
**Hunter & Havens**
**Lucas J. L. & Son**
**•Palmer N. & Co.**
Richardson J. H.
**BRISTOL—Weldon S. A. & Son**
DANBURY—Danbury Hardware Co.
Hull F A. & Son
**DANIELSON—General Supply Co.**
Jacobs E. H. Mfg. Co. (Textile)
DERBY—Hallock F. Co.
HARTFORD—Alling Rubber Co.
Bidwell J. C. & Co.
Blodgett & Clapp Co., 1417 Main
Clapp & Treat, 68 State
Cone J. H. & W. E.
Eastern Plumbing Supply Co.
Ensworth L. L. & Son, 344 Front
Fairbanks Co.
Hartford Contractors' Supply Co.
Hartford Mill Supply Co.
Page Ralph E.
Plimpton & Hills Corporation
Purcell Cox Corp.
Purinton & Smith
Trant Thomas & Bros.
**Tracy Robinson & Williams Co.**
Woolley Hdwe Co., 44 Asylum
MERIDEN—Church & Morse
MIDDLETOWN—Noxon & Whitney Co.
**NEW BRITAIN—Abbe Hardware Co.**
Mills Herbert L.
Packliffe Bros. Co., Inc.
Rapelye George
**NEW HAVEN—Bushnell N. T. Co,**
Coe & Brown
Foskett & Bishop Co.
Guest & Co.
Mersick C. S. & Co.
Spencer F. E. Co.
**NEW LONDON—Darrow & Comstock Co.**
Eaton & Wilson Co.
Williams G M. Co.
NORTH WINDHAM—Harston L. M. Co.
NORWALK—Hubbell & Staples Hdwe. Co.
McLellan Wm. L.
NORWICH—Carroll L. W. & Son
Eaton-Chase Co.
Norwich Belt Mfg. Co.
Norwich Plumbing Supply House
Preston Bros.
PUTNAM—Chandler & Morse
Putnam Hdwe. & Mill Supply Co.
SEYMOUR—Church Stephen B.
Seymour Lumber & Hardware Co.
SHELTON—Clark D. N.
SOUTH MANCHESTER — Blish F. T. Hdw. Co.
STAMFORD—Cohn Wm.
Southwick Geo. W. Co.
**Taylor Lincoln**
Wilson James & Co.
TORRINGTON—Morrison W. H.
WALLINGFORD — Dickerman Hdw. & Supply Co.
WATERBURY—Barlow Bros. Co.
Connecticut Oil Co.
Crane Co., 1221 1st N W
**Daly M. J. & Sons**
**Hamilton Hardware Corp.**
Hotchkiss Co.
**Templeton Charles A., Inc.**
WILLIMANTIC—Hurley-Grant Co.
WINSTED—Carroll Jos. L.
**Merwin & Brown Co.**

## DELAWARE.

**WILMINGTON—Atlantic Mfg. Co.**
Capelle Hardware Co.
Delaware Electric & Supply Co.
**Delaware Hardware Co.**
**Hudson Supply Co., Front & Market**
Kent Lindley C. Co.
**•McComb Thomas, 209 Shipley**
Peoples Alfred D.
Speakman Supply & Pipe Co.
Wilson Hardware Co.

## DISTRICT OF COLUMBIA.

**WASHINGTON—Kendall J. B. Co., 485** Missouri av
Latterner Arthur, 602 Pennsylvania av N W
National Electrical Supply Co., 1330 New York av, N W
Phelps Bros. Co., 1335 14th N W
Schafer E. G. & Co., 218 13th N W
Somerville Thos Co., 316 13th N W
**Washington Rubber Co., 1000 F N W**

## FLORIDA.

APALACHICOLA—Grady J. E. & Co.
GAINESVILLE—Baird Hardware Co.
JACKSONVILLE—Cameron & Barkley Co.
Christopher J. G. Co.
Duff Wm. E. Co.
Fairbanks Morse & Co.
Farquhar Machinery Co.
Florida Hardware Co.
Georgia Supply Co.
Hebb, H. W. Supply Co.
Hubbard S. B. Co.
**Malsby Mchy. Co.**
**Savannah Supply Co.**
KEY WEST—Peacon Richard & Co.
LAKELAND—Pinch Co.
MULBERRY—Mine & Mill Supply Co.
OCALA—Marion Hardware Co. (also Mine)
Ocala Iron Works
PENSACOLA—Avery A. M.
Gulf Machine Works
Ray W. A. Hardware Co.
ST. AUGUSTINE—Hamblen C. F.
TAMPA—Cameron & Barkley Co.
Coates Plumbing Supply Co.
Florida Auto & Gas Engine Co.
Knight & Wall Co.
Tampa Hardware Co.
Tampa Machinery Exchange

## GEORGIA.

ALBANY—Albany Mill Supply Co.
AMERICUS—Harris J. W.
Sheffield Co.
ATLANTA—Alexander J. M. & Co.
American Machine & Mfg. Co.
Armstrong R. S. & Bro. (Beltings, etc)
Atkins E. C. & Co.
Avery & Co.
Bailey Burruss Mfg. Co.
Beck & Gregg Hdw. Co.
*Cotton States Belting & Supply Co. (Railway, Mill & Mach'y Supplies)
Crane Company
Crumley-Sharp Hardware Co.
Fairbanks Morse & Co.
Fulton Supply Co.
General Fire Extinguisher Co.
Graton & Knight Mfg. Co.
Lombard Iron Works & Supply Co.
Lowry Co.
Maisby Co.
Pasco Tool Co.
Pennsylvania Oil & Grease Co.
Phenix Supply Co.
Southern Belting Co. (Cotton Mill Only)
Southern Mchy. Co.
Walraven Co., 36-38 W Alabama
*See adv index at end of book*
AUGUSTA—Lombard Iron Works & Supply Co.
Tennent H. C. Supply Co.
BRUNSWICK—United Supply Co.
Wright & Gowan Co.
CATERSVILLE—Lumpkin Hardware Co.
COLUMBUS—Beach Wm. Hardware Co.
Bush C. P. Hardware Co.
Columbus Iron Works
Philips Hardware Co.
CORDELE—Tomlin-Harris Mch. Co.
Watt & Holmes Hdwe. Co.
DALTON—Hardwick W. M.
FITZGERALD—Watt & Holmes Hardware Co
FORT VALLEY—Eberhardt Mch. Works
Georgia Agr'l Works
GAINESVILLE—Gainesville Iron Works
GRIFFIN—Georgia Supply House
MACON—Corbin Supply Co.
Schofield's J. S. Sons Co.
Taylor Iron Works & Supply Co.
ROME—Battey Machinery Co. (Also Mine)
Rome Machine & Fdry. Co.
SAVANNAH—Georgia Supply Co.
Kehoe Iron Works
McKenna Jas. H.
Peeples Hardware Co.
Rourke Jno. & Sons
Savannah Supply Co. (Also Railroad)
Weed J. D. & Co.
TIFTON—Golden Hdwe. Co.
Tift H. H.
TOCCOA—Matheson W. A. & Co.
VALDOSTA—Briggs W. H. Hardware Co.
WAYCROSS—Harley P. N. Hardware Co.

## IDAHO.

BOISE—Baxter Fdry. & Mch. Wks.
Idaho Hardware & Plumbing Co. (Ltd.) (Also Mine)
Northrup Hardware Co., Ltd.
Sweet-Teller Hardware Co.
LEWISTON—Means Mark A. Co.
POCATELLO—Salt Lake Hdwre. Co.
WALLACE—Coeur D'Alene Hdw. & Fdry Co. (Also Mine)

## ILLINOIS.

AURORA—Divekey Bros. Mfg. Co.
BATAVIA—U. S. Wind Engine & Pump Co.
BELLEVILLE—Hucke Hardware Co.
Karr Supply Co.
BELVIDERE—Fellows Azro
BLOOMINGTON—Constant B. S. Mfg. Co
Keiser-Van Leer Co.
BRIDGEPORT—Continental Supply Co.
Federal Supply Co.
Illinois Nat'l Supply Co.
Jarecki Mfg. Co.
Oil Well Supply Co.
BUSHNELL—Bushnell Pump Co.
Halliday-Rittenhouse Co.
CAIRO—McCarthy & Malinski
Reed Hardware & Mfg. Co.
Vulcan Iron Wks.
Woodward Hardware Co.
CASEY—Illinois Nat'l Supply Co.
Jarecki Mfg. Co.
Oil Well Supply Co.
CHICAGO—A. & J. Mfg. Co., 559 West Lake
Acme Asbestos Covering & Supply Co., 404 N Ada
*See adv index at end of book*
Adams Fred C. Co., 118 N La Salle
Adkins, Young & Allen Co., 561 Wash. bl
Advance Packing & Supply Co., 54 E Lake
*Allen W. D. Mfg. Co., 566 W Lake
Atkins E. C. & Co., 64 E So Water
Barrett-Christie Co., 37 S Clinton
Besley Chas. H. & Co., 120 N Clinton
Biddle Purchasing Co., 208 S La Salle
Boiler & Radiator Sales Co., 126 W Kinzie
Brand S. H. Co., 559 W Lake
Caldwell H. W. & Son Co., 17th & Western av
Carpenter Geo. B. & Co., 440 N Wells
Castle, A. M. & Co., 715 N Morgan
Channon H. Co., 150 N Market
Chicago Builders' Specialties Co., 11 S La Salle
Chicago Engineer Supply Co., 68 W Lake
Chicago House Wrecking Co., 35th & Iron
Chicago Millwright & Pulley Co., 1759 Ogden av
Chicago Pulley & Shafting Co., 40 S Clinton
*Chicago Rawhide Mfg. Co., 1301 Elston av
Chicago Rubber Co., 218 W Madison
Chicago Tube & Iron Co., 1469 S Jefferson
Clark J. H. Hdwe. Co., 137 W Lake
Clow Jas. B. & Sons, Franklin & Harrison
Collins Wm. P. & Co., 332 S Dearborn
Consolidated Railway & Mill Supply Co., 327 S La Salle
Cook & Chick Co., 18 E Kinzie
Cramer & Willing (Mine), 53 W Jackson Blvd
Crane Co. (Est. 1855), 836 S Michigan av
*For branch offices see Alphabetical Section*
Crawford Co., 846 S Canal
Crown Rheostat & Supply Co., 17 S Desplanes
Crerar, Adams & Co., 259 E Erie
Curtis & Co. Mfg. Co., 215 N Desplaines
Dale-Brewster Mchy. Co., 21 Washington blvd
Davies Supply Co., 412 W Ontario
De Olloqui, V. V. Co., 29 S La Salle
Dodge Mfg. Co., 214 S Clinton
Ellis R. E. Engineering Co. (Tools), 621 Washington blvd
Engineers' Equipment Co., 4003 B'way
Enterprise Mchy. Co., 33 S Clinton
Essley E. L. Mchy. Co., 555 Washington blvd
Factory Supply Co. (Also Mine), 40 E Kenzie
Fairbanks Morse & Co., 900 S Wabash av
Fensholt & Fechner, 16 S Clinton
Garlock Packing Co., 326 W Madison
Gollner Phillip Co., W 33d & Archer av
*Graton & Knight Mfg. Co., 32 S Jefferson
Guillott Metal Gasket & Supply Co., 24 S Clinton
Gump B. F. Co., 431 S Clinton
*Gutta-Percha & Rubber Mfg. Co., 301 W Randolph
*Hamilton Rubber Mfg. Co., 1229 S Michigan
Hammacher-Schlemmer & Co., 218 S Wabash av
Harris Bros. Co., 35th & Iron
Harris Samuel & Co., 114 N Clinton
*Henion & Hubbel, 219 N Jefferson
Hill Clark & Co., 625 Washington blvd
Hodge & Homer Co., 549 W Madison
Hyland R. H. & Co., 323 Wells
Illinois Malleable Iron Co., 1801 Diversey Blvd
Iron & Steel Products Corp., 2337 S Michigan av
*Jewell Belting Co., 2837 S La Salle
Keckley C., 318 W Washington
Kraft A. C., 323 W Lake
Kraut & Dohnal, 325 S Clark
*Ladew Edw. (Est. of), 549 Washington blvd
Lovelle Rubber Co., 181 W Lake
*Lynch Edw. & Co., 31 S Clinton
McMaster-Carr Supply Co., 174 N Market
Machinery Warehouse, 1405 W 37th
Machinists Supply Co., 19 N Jefferson
*Main Belting Co., 15 N Jefferson
Manning, Maxwell & Moore, 27 N Jefferson
Marshall & Huschart Mchy. Co., 17 S Jefferson
Miller-Newar Co., 3302 Ogden av
Moloney Belting Co. ("Dynamo"), 130 N Franklin
Moninger John C. Co., 900 Blackhawk
Norman C. Erwin & Co., 18 W Kinzie
*Page Belting Co., 624 Wash'n blvd
Passman Bros., 30 S Green
Patterson & Schroeder Supply Co., 560 W Van Buren
Periolat Bros., 331 W Madison
Peterson Clifford Tool Co., 606 W Randolph
Power Equipment Co., 343 S Dearborn
Puster Belting & Pulley Co., 523 W Van Buren
Pyott Co., 1401 W North av
Reeves Pulley Co., 39 S Clinton
Republic Mfg. Co., 14 N Peoria
*Revere Rubber Co., 158 W Lake
Rollins Supply Co. (Also Mine & Railroad), 17 W Kinzie
Salisbury W. H. & Co., 308 N Madison av
*Schieren Chas. A. Co., 128 W Kinzie
Scott Valve Co., 310 W Randolph
Seehausen-Wehrs & Co., 173 N Franklin
Sprague Canning Machinery Co. (All Kinds for Canners, etc.), 222 N Wabash av
Standard Sanitary Mfg. Co., 14 N Peoria
Steamfitters Supply Co., 10 W Illinois
Stebbins Hdwe. Co., 15 W Van Buren
Sterling Products Co., Inc., 35 S Desplaines
Stevens Chas. G. Co., 33 S Jefferson
Stocker-Rumeley-Wachs Co., 117 N Jefferson
Street R. R. & Co. (Textile), 549 Washington blvd
Thompson C. M. Co., 3481 N Clark
Tierney D. J., 1620 W Lake
Union Asbestos & Rubber Co., 2834 Loomis
Verbeek, Harry Co., 112 W Adams
Wallbrum Kling & Co., 327 S Clark
Weir & Craig Mfg. Co., 6316 Wentworth av
Weller Mfg. Co., 1856 N Kostner av
Western Packing & Supply Co., 231 N Wells
Western Pipe & Supply Co., 2052 Fullerton
Western Plumbing Supply Co., 3228 Filmore
Western Roofing & Supply Co., 3611 Loomis
Western Supply & Mfg. Co., 25 S Clinton
Whitaker Mfg. Co., 409 S Green
White A. D. Mchy Co., 108 N Jefferson
Williams I. B. & Sons, 14 N Franklin
Williamson R. & Co., 601 Washington blvd
Willis F. C., 565 Wash'n blvd
Winne Howard B., 714 W Jackson blvd
Wolf, Fred W. Co., 800 N Clark
Woodcock Bros., 562 W Randolph
Young H. P. (Mine), 20 W Jackson blvd
CHICAGO HEIGHTS—Gordon Supply Co.
DANVILLE—Conron Thos. Hardware Co.
Holmes Robt. & Bros. (Also Mine)
*See adv index at end of book*
Inland Supply Co. (Also Mine)
DECATUR—Aultman & Taylor Machinery Co
Beall Improvements Co., Inc.
Field & Shorb Co.
Morehouse & Wells Co.
Union Iron Works (Belting, etc.)
EAST ST. LOUIS—St. Louis Rail & Equipment Co., 3rd Nat'l Bank bldg
FREEPORT—Dorman & Co.
HARVEY—Elsener C. C.
JOLIET—Barrett Hardware Co
KANKAKEE—Norris D. M. & Son
LAWRENCEVILLE—Illinois Nat'l Supply Co.
Jarecke Mfg. Co.
Oil Well Supply Co.
MOLINE—Barnard & Leas Mfg. Co.
Dunn Thos. & Sons
OTTAWA—Jordan R. C.
Refior David L.

PEKIN—Velde. Roelfs & Co.
PEORIA—Bittel Wm
Clark-Smith Hdwe. Co.
Couch & Heyle
Cummings & Emerson
Dooley Bros. (Jobbers, Mine), 1201 S Washington
Hagerty Bros. Co. (Mine)
Ideal Tank & Supply Co., Inc.
Kinsey & Mahler Co.
Meyer F. & Bro. Co.
Nallon Bros. Co.
PRINCETON—Priestley Hardware Co.
QUINCY—Best E. Plumbing, Heating & Supply Co.
Hollister-Whitney Co.
Illinois Mfg. & Supply Co.
ROBINSON—Bradford Supply Co.
Illinois Nat'l Supply Co.
Jarecki Mfg. Co.
Oil Well Supply Co.
ROCKFORD—America Heating & Supply Co
Nat'l Lock Co.
Rockford Brass Works
Rockford Mitre Box Co., 252 Mill
Savage & Love Co.
ROCK ISLAND—Allen Myers & Co.
Channon & Dufva Co. (Factory & Steamboat)
Ansell, Oscar & Co.
SANDOVAL—Jarecki Mfg. Co.
SPRINGFIELD—Hudson J. L. & Co.
Miller W. B. & Son
STREATOR—Williams Hardware Co., Williams bldg
*See adv index at end of book*

## INDIANA.

ANDERSON—Kaufman Hardware Co.
May Supply Co.
AUBURN—Auburn Hardware Co.
Culbertson Hardware Co.
BRAZIL—Industrial Supply Co. (Also Mine)
CARLISLE—Risinger Thos. S.
COLUMBUS—Schwartzkopf's J. G. Sons
CONNERSVILLE—Stant Geo. Machine Works
ELKHART—Borneman & Sons
EVANSVILLE—Clifford Hardware Co.
Evansville Leather & Belting Co.
Holtz F. Co.
Laib Co.
Orr Iron Co. (Also Mine)
FORT WAYNE—Fort Wayne Oil & Supply Co.
Moseman Yarnelle & Co.
National Mill Supply Co.
Pfeiffer Henry & Son Co.
Schlatter C. C. & Co.
Wayne Belting & Supply Co.
GARY—Calumet Supply Co.
People's Hdwe. Co.
GOSHEN—Hawks Hardware Co.
GOSPORT—Burkete A. H.
GREENSBURG—Corbett & Rohe
Watson W. A
INDIANAPOLIS—Atkins E. C. & Co.
Bock Equipts. Co., 1900 Northwestern av
Central Rubber & Supply Co., 120 S Meridian
*HIDE, LEATHER & BELTING CO., 227 S Meridian
Holliday W. J. & Co., 326 W Georgia
Indianapolis Belting & Supply Co., 32 S Capitol av
Kenney Machinery Co., 124 S Capitol av
Nordyke & Marmon Co., Kentucky av & Morris
Taylor Belting Co., 247 S Meridian
Van Camp Hdw. & Iron Co., 401 N Maryland
Vonnegut Hdw. Co., 120 E Washington
KENDALLVILLE—Flint & Walling Mfg Co.
KOKOMO—Kokomo Hardware Co.
Kokomo Supply Co.
LAFAYETTE—Biggs B. F. Pump Co.
Johnson Hardware Co.
Reule Fred'k
LA PORTE—Gangwer I. D. & Co.
LOGANSPORT—Lowery S. W. & Son
Baker Specialty & Supply Co.
MADISON—Johnson Fdry. & Mch. Shops
Madison Mch. Co.
MARION—Hogin, McKinney & Co.
Marion Hdw. Co.
Marion Machine, Foundry & Supply Co
MICHIGAN CITY—Bartholomew & Co.
MISHAWAKA—Dodge Sales & Engineering Co.
MUNCIE—Kelser Geo. & Co. (& Labor Saving Farm Machy)
Scott R. Hardware Co.
RICHMOND—Jones Hdw. Co.
SOUTH BEND—South Bend Supply Co.
TERRE HAUTE—Austin Hardware Co.
Crane Co.
Freitag, Weinhardt & Co.
Power Supply Co.
Smith's C. C. Sons Co.
Watson's D. W. Son & Co.
UNION CITY—Knapp Supply Co.
VINCENNES—Weed W. H.
WABASH—Rettig P. J. & Sons

## IOWA.

BONAPARTE—Blackford W. S. & A. V.
BURLINGTON—Stewart & Hayden Co.
CEDAR RAPIDS—Cedar Rapids Pump Co.
Fawcett C. E.
Iowa Wind Mill & Pump Co.
Larimer E. K. Hdwe. Co.
Messner & Co.
Orr Bros. Supply Co.
CLINTON—Iowa Mch. Wks.
DAVENPORT—Crane Co.
Davenport Mch. & Fdry. Co.
Hanssen's Louis Sons
Red Jacket Mfg. Co.
Sickels & Preston Co.
Sieg Co. (Belting & Power Transmitting, etc)
DECORAH—Johnson Peter & Sons
DES MOINES—Baker Machinery Co.
Beckman Bros.
Crane Co.
Dempster Mfg. & Supply Co.
Globe Machy. & Supply Co.
Iowa Machy. & Supply Co.
McDonnell Boiler & Iron Works
DUBUQUE—Deckert W. D. Co.
Dubuque Rubber & Belting Co.
McDonald A. Y. Mfg. Co.
Marshall Wm. Co.
Voggenthaler, E. J.
FORT DODGE—Leighton Supply Co.
GREELEY—Hilsenbeck H. C.
IOWA CITY—Iowa City Iron Works
KEOKUK—Industrial Supply Co.
LE MARS—Pech Gustave Foundry & Mfg. Co
MASON CITY—Hawkeye Supply Co.
NORTHWOOD—Tenold Hardware Co.
OSKALOOSA—Ideal Mfg. & Supply Co.
OTTUMWA—McDaniel C. E. Co.
SIOUX CITY—Crane Co.
Dymond-Simmons Hdwe. Co.
Interstate Auto & Supply Co.
McGraw Co.
Novelty Mfg. Co.
Sioux City Iron Co.
WATERLOO—Cutler Hardware Co.
Waterloo Mfg. Co. (Belting, Packing, etc.)

## KANSAS.

ATCHISON—Blish Mize & Silliman Hdwe. Co.
Thayer Supply Co.
CHANUTE—Bradford Supply Co.
Frick-Reid Supply Co.
EL DORADO—Atlas Supply Co.
Frick Reid Supply Co.
Jarecki Supply Co.
Nat'l Supply Co.
Oil Well Supply Co.
ENTERPRISE—Barnard Machinery Co.
Ehrsam J. B. & Sons Mfg. Co.
ESKRIDGE—Trusler Wm. Hardware Co.
FORT SCOTT—Penniman A. C. & Son Hardware Co.
HUTCHINSON—Graber Supply Co.
Nelson Mfg. & Supply Co.
LOLA—Shannon T. B.
INDEPENDENCE—Beeler & Campbell, Bovaird Supply Co.
JUNCTION CITY—Muenzenmayer J. J. & W. F.
LEAVENWORTH—Great Western Mfg. Co
PITTSBURGH—General Mchy. & Supply Co.
TOPEKA—Bromich Jos.
Capital Iron Wks. Co.
Thompson W. A. L. Hardware Co.
Western Foundry & Machine Works
WICHITA—Crane Co.
Martin Metal Mfg. Co.
Massey Iron Co.
Morton-Simmons Hdwe. Co.
Western Iron & Foundry Co.
White Star Co.
Wichita Supply Co.

## KENTUCKY.

ASHLAND—Ashland Fdry & Machine Works
Williamson Ben & Co.
BOWLING GREEN—Bowling Green Mch. Co.
FRANKLIN—Franklin Hdwe. Co.
HAZARD—Mahan Co.
HENDERSON—Blackwell P. A. & Co.
HOPKINSVILLE—Metcalf J J.
LEXINGTON—American Metallic Packing Co.
Lexington Engine & Boiler Wks.
Smith-Watkins Co.
Smith-Watkins-Darnaby Co.
LOUISVILLE—Belknap Hardware & Mfg. Co., 2d & Washington
Brandeis Mchy. & Supply Co., 331 W Main
Caldwell W. E. Co.
Cowan Andrew & Co., 421 W Main
Dalb Co.
Donigan Todd Iron Co.
Fairbanks Morse & Co.
Falls City Plumbing Supply Co.
Hite W. W. & Co., 523 W Main
Kentucky Saw Works, 1004 W Main
Morton E. D. & Co., 516 W Main
Neil-La Vielle Supply Co., 505 W Main
Pyne Co.
Semple W. & A. C., Inc., 309 W Main
Standard Sanitary Mfg. Co., Ahrens & Ott, Div.
Todd-Donigan Iron Co., 813 W Main
Vogel P. A. & Sons, 121 W Main
Waters-Garland Co. (also Textile), 419 W Main
Whayne Roy C. Supply Co.
MIDDLEBORO—Kentucky Mine Supply Co.
OWENSBORO—Guenther Hardware Co.
PADUCAH—Hank Bros.
Jackson Foundry & Machine Co.
Paducah Iron Co.
Peter H. A. Supply Co.
PIKEVILLE—Call Bros. Hardware Co.
WHITESBURGH—Mahan Co.
WINCHESTER—Mahan Co.

## LOUISIANA.

ALEXANDRIA—Brown, Roberts Hardware & Supply Co. (Ltd.)
BATON ROUGE—Doherty Hardware Co. Ltd.
Fuqua Hardware Co.
DONALDSONVILLE—Lemann B. & Bro.
HAMMOND—Hammond Hardware & Supply Co. (Ltd.)
LAFAYETTE—Lacoste Hardware Co., Ltd.
LAKE CHARLES—Murray-Brooks Hdwe. Co., Ltd.
MONROE—Southern Hardware Co. (Ltd.)
Weaks Supply Co
NEW IBERIA—Dallas & Bertram
NEW ORLEANS—Atkins E. C. & Co., 239 Canal
Baldwin A. & Co., Ltd., Camp & Common
Beacon Mfg. & Supply Co.
**BOLAND MACHINE & MFG. CO.**
*See adv index at end of book*
Coe-Vogt Belting & Supply Co., 317 Magazine
Cudlipp Belting & Machinery Co., 317 Tchoupitoulas
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av
Dixie Mill Supply Co., 901 Tchoupitoulas
Everett Supply Co., Chartres
Fairbanks Co., 900 Camp
Fairbanks Morse & Co.
Globe Supply & Machinery Co., 627 S Peters
Hartwell C. C. Co., Ltd.
Joubert & Goslin Machine & Foundry Co., Howard & Euphrosine
Kittredge-Waters Supply Co., Ltd., 422 Common
Lockett A. M. & Co., Ltd., 533 Baronne
Menge Marine Hardware & Supply Co.,
Patterson C. T. Co. (Ltd.), 801 Tchoupitoulas
Plumbing & Mill Supplies Co., 840 Baronne
Reliance Machinery & Supply Co., 217 S Peters
•Revere Rubber Co., 700 Baronne
Rowan P. Co., Ltd., 920 Peridido
Simonds Mfg. Co. (Ltd.), 420 Canal
Southern Belting Co. of New Orleans, La., 602 S Peters

LOUISIANA—New Orleans—continued
Standard Sanitary Mfg. Co., 846 Baronne
Standard Supply Co.
Stauffer, Eshleman & Co., Ltd., 511 Canal
Van Horn Oliver H. Co., Inc., 518 Camp
Well-Gutmann Supply Co., 636 S Peters
Whitney Supply Co., 418 S Peters
Woodward, Wight & Co., Ltd., Howard av & Constance
SHREVEPORT—Gulf States Belting & Hose Co.
Henderson W. K. Iron Works, & Supply Co.
Lee Hardware Co. (Ltd.)
Lucey Mfg. Corp. of Texas
Nat'l Supply Co.
Oil City Iron Works
Oil Well Supply Co.
Republic Supply Co.
Sehnerts, Inc.
THIBODAUX—Planters' Hardware & Mill Supply Co., Ltd.

## MAINE.

AUBURN—Elms James
AUGUSTA—Brooks Hardware Co.
Fifield Bros. Co.
BANGOR—Bragg H. H. & Sons
Dunning R. B. & Co.
Schwartz's M. Sons
Snow & Nealley Co.
Union Iron Works
BERWICK—Brackett Shaw & Lunt Co.
DEXTER—Fay & Scott
ELLSWORTH—Westcott H. F.
FORT FAIRFIELD—Cary L. K. Co.
GARDINER—Gardiner Hdwe. Co.
HOULTON—Watson John & Co.
LEWISTON—Carman-Thompson Co.
Hall & Knight Hdw. Co.
Smith John B. & Co.
Stetson J. H. Co.
Whitney Geo. A. Co.
MECHANIC FALLS—Penney J. W. & Sons Co.
PORTLAND—Adde & Co.
Blake W. L. & Co.
Corey E. & Co.
Edwards & Walker Co.
Emery-Waterhouse Co.
King & Dexter Co.
Portland Co.
Portland Rubber Co.
Smith & Abbott Co.
Talbot, Brooks & Ayre
ROCKLAND—Crie H. H. & Co.
WATERVILLE—Arnold W. B. & Co.
Claflin Machine Co.

## MARYLAND.

BALTIMORE—Adt. Jno. B. Co., 340 N Holliday
Aumen Machinery Co., 109 E Lombard
Benson L. A., 8 E Lombard
Bolton Bros., 416 E Pratt
Carey Machinery & Supply Co., 119 E Lombard
Central Metal & Supply Co., 611 E Lombard
Clendenin Bros., S. W. cor. Central av & Fawn
Codd Tank & Specialty Co., 117 S Hanover
Coggins & Owens, 19 S Charles
Crane Co., 624 W Pratt
Crook-Horner Supply Co., 7 Balderson
Cuyler & Mohler, 611 William
Dominion Asbestos & Rubber Corp., 418 E Pratt
*See adv index at end of book*
Druid Oak Belting Co., 111 E. Lombard
Eastern Hardware & Supply Co., 39 S. Church
Fairbanks Co., Lombard & Light (See New York City)
Fairbanks Morse & Co., 115 E Lombard
Harvey Company, 113 South
Ives Mfg. Co., 203 Hanover
Jewel Supply & Equipment Co., 34 So. Calvert
Kessel Henry A. Co., 121 S Gay
Kries, Henry A. Sons Co., 8 W Lombard
McMeikan Robert & Son, 805 Light
Mallory Mchy. Corp., 522 Light
Mattheisz Bros., 1222 Hill
Meyer Henry H. Co., 110 S Howard
*See adv index at end of book*
Proctor Mchy Co., 314 S Eutaw
Schuchts D. B., 215 President
Spedden Supply Co. (Marine Also), Boston & Kenwood av,
Starr, B. F. & Co., Guilford av & Center
Stebbins Wallace & Sons, 100 S Charles
Struven Chas. M. & Co., 114 S Frederick
Taylor Supply Co., 937 Fell
Walker James Co., 123 Light
Wallace & Gale (Oils, Coverings, Compounds, etc), 115 S Gay
Zies Chas & Sons Co., 320 S Fremont av
CUMBERLAND—Humbird Supply Co. (Mine)
McKaig Merwin (Also Mine)
Wilson & Pugh (Also Mine)
FREDERICK—Gomber John
HAGERSTOWN—Foltz Mfg. & Supply Co. (Wholesale)
POCOMOKE CITY—Pocomoke Fdry. & Machine Works
SALISBURY—Dorman & Smyth Hardware Co.
Grier Robt D & Sons Co.
Gunby L. W. Co.
TEXAS—*Maryland Belting & Packing Co.

## MASSACHUSETTS.

ADAMS—Greylock Mill Supply Co., Inc.
Weston L. A.
AMESBURY—Fowler F. S.
ANDOVER—Morse Walter I.
ATHOL—Paige C. F. & Co.
AYER—Proctor E. O. Co.
BOSTON—American Shuttle Co., Exchange bldg
Anderson Geo. P. & Co., 65 Oliver
Armstrong G. R., Mfrs. Supplies, Inc., 252 Franklin
Barnes Henry K. Co., 234 Devonshire
*Bay State Belting Co., 349 Congress
Beal, Joseph & Co., 465 Atlantic av
Bigelow & Dowse Co., 229 Franklin
Blackburn S. P. & Co., 62 Broad
Blanchard J. Henry, 144 Milk
Bond, Harold L., Co., 391 Atlantic av
Boston Belting Corp., 84 Linden Park
Boston Engineers' Supply Co., 159 Pearl
Boston Export Co., Inc., 113 State
Boston Light & Supply Co.
Brackett, Shaw & Lunt Co., 62 Wash. No.
Bradlee & Chatman Co., 54 Canal.
Braman, Dow Co., 239 Causeway
Brigham Arthur A., Old South bldg
Brock A. S. Rubber Co., 57 Broad
Brown Wales C. Co., 489-C
Buerkel & Co., 24 Union Park
Byers & Smith, 105 Haverhill
Campbell Robert B. Co., 6 Beacon
Chandler & Farquhar Co., 86 Federal
Chase, Parker & Co., 81 Pearl
Chesterton A. W. Co., 64 India
Church Stephen B., 64 Pearl
Crane Co., 48 W First
Cronkhite Co., Inc., 185 Devonshire
*See adv index at end of book*
Crowther Thomas & Co., 170 Oliver
CURRY BROS. OIL CO., 253 Franklin
*See adv index at end of book*
CUTTER & WOOD SUPPLY CO., 77 Pearl *See adv index at end of book*
Davis S. H. Co., 68 Portland
Dodge, Haley Co., 218 High
Dow L. B., 79 Milk
Eagle Oil & Supply Co., 45 India
Edelstone Wm. W., 65 Beverly
English C. R. Co., 167 Oliver
Enterprise Rubber Co., 284 Summer
Evans Mill Supply Co., 212 Summer
Fairbanks Co., 32 Pearl
Fairbanks Morse & Co., 47 Oliver
Federal Metallic Packing Co., 48 Hanover
Federal Steam & Gas Supply Co., 195 High
Field Wm. H. Co., 35 Washington, N.
Fitts Frank E. Mfg. & Supply Co., 88 Purchase
Fitz Dona & Co., 110 North
Fitzgerald W. H. J. & Co., 165 High
Freeman H. C. Co., 141 Milk
Gallison Wm. H. Co., 399 Atlantic av
Garlock Packing Co., 88 Broad
Gilchrist Geo. E. Co., 106 High
Globe Leather Belting Co., 519 Atlantic av
Globe Rubber Wks., Inc., 45 High
Graton & Knight Mfg. Co., 33 Lincoln
Hamblet & Hayes Co., 284 Devonshire
Harrington King & Co., 79 Commercial
Harris Alfred & Co. (Cotton & Wool Waste), 146 Summer
Hill Clark & Co., Inc 156 Oliver
Hinds & Coon, 126 Pearl
Holt-Shattuck Co., 29 Otis
Hubbard W. B. & Sons Co., 176 Oliver
Hunt Henry C. Co., 135 Oliver
Ireson Chas. L., 221 High
Jager Chas. J. Co., 15 Custom House
Johnson-Washburn Co., 91 Haverhill
Kessel Henry A. Co., 33 India
Knowlton Geo. W. Rubber Co., 60 Pearl
*Ladew Edw. R. Co. (Estate of), 200 Summer
Livermore H. F., Inc., Cummington
Lumsden & Van Stone Co., 1 Dorchester
Lundin Elec. & Mch. Co., 10 Thatcher
Lunt Moss Co., 43 S Market
Lynd-Farquhar Co., 419 Atlantic av
McCarty Chas J. & Co., 48 Pearl
McLean, John W. & Co., 31 Beverly
Machine Shop Equipment Corp., 170 Oliver
Machinery Equipment Co.
Manning, Maxwell & Moore, 10 High
Mathias-Hart Co., 516 Atlantic av
Merrill & Madden Co., 45 So. Market
Miller Joseph, 374 Atlantic av
Morse Andrew J. & Son Inc., 221 High
Morton A. M. & Co., 25 Washington
Murphy, Leavens & Co., 168 Commercial
Myerson Joseph, 411 Atlantic av
*See adv index at end of book*
Nightingale & Childs Co., 205 Congress
Niles-Bement-Pond Co. of Mass., 93 Oliver
*Page Belting Co., 60 Pearl
Patterson Lubricating Co., 114 Broad
Perrin Seamans & Co., 57 Oliver
Pratt R. W. & Son, 111 Haverhill
Proctor, S. Eugene Co., 158 State
Puritan Fibre Co., Inc. (Fibre Waste, etc), 84 Summer
Rawles James D. Co., 74 Pearl
Reynolds Oil & Grease Co., 123 Oliver
Rhode Island Supply & Sprinkler Co., 141 Milk
Richards & Co. Inc., 192 Beverly
Richardson & Clements 20 Union
Shackley W. T. & Son Co., 49 High
Shawmut Co., 54 Canal
Sherburne & Co., 53 Oliver
Sherman G. N, B. & Son, Newton Hlds
Sherman G. B. & Co., 170 Summer
Simmons Hdwe. Co., 25 Pearl
Simplex Tool & Supply Co., 127 Oliver
Speed Jas. & Co. (Texile), 170 Summer
Speare's Alden Sons Co., 156 Sixth
Summer & Dunbar, 287 Congress
Taylor Machy. Co., 78 Batterymarch
Tenney Morse & Co., 143 Pearl
Tracy Lewis E. Co., 127 Broad
Underwood Mchy. Co., 177 High
U. S. Rubber Co., 284 Summer
Wacco Supply Co., 30 Marginal E. Boston
Waldo Bros. & Bond Co., 181 Congress
Walker & Pratt Mfg. Co., 31 Union
Walworth-English-Flett Co., 100 Pearl
Walworth Mfg. Co., 798 First
Watkins Engineering Supply Co., 137 High
Wilkinson A. J. & Co., 184 Washington
Winther Chas. A. G. Co., Inc., 85 High
Wood W. A. Co., 373 Atlantic av
BROCKTON—Bostock Thos. & Sons.
Corcoran Supply Co.
Kimball Bros & Sprague
Noyes C. A. Co.
CAMBRIDGE—Central Sq. Hdwe. Co.
*Olmsted-Flint Co.
CLINTON—Pratt E. O.
DALTON—Glennon Estate John
Olmsted Flint Co.
Glennon (Estate) John
DETROIT—Anderson W. H. Tool & Supply Co.
EAST CAMBRIDGE—Edelstone, Wm. W., 25 Thorndike
Holt Shattuck Co., 29 Otis
EASTHAMPTON—Manchester Geo. L. Co.
Ryan James P.
FALL RIVER—American Supply Co.
Anthony B. W. Co.
Borden, Jefferson & Son
Borden & Remington Co.
Brush & Macomb Co.
Chace Leonard S.
Congdon & Carpenter Co.
Covel & Osborn Co.

Davis N. Frank
Downey & Howland
Fall River Rubber Co.
Fall River Steam & Gas Pipe Co.
Fyans, Fraser & Blackway Co.
Johnson John F. Co.
Kilburne Lincoln Mch. Co.
Miller Nathan & Sons, Ltd.
Slack James N.
Sterling Ring Traveler Co.
Toohey M. J. & Co.
Union Belt Co.
Waterman Supply Co.
Wetherell O. B. & Son Co.
FITCHBURG—Fitchburg Hardware Co.
Jennison Co.
Parks Cramer Co.
Savage W. H.
FRANKLIN—Hosie Horace W.
Milliken L. W. & Son
GARDNER—Davis Hardware Co.
Gardner Hdwe. Co.
Royal Steam Heater Co.
GLOUCESTER—Andrews L. E. & Co.
Smith L. E. Co., Inc.
Stoddart A. P. & Co.
GREENFIELD—Allen's S. Sons
Stearns Joel M.
HAVERHILL—Busfield Machine Co.
Hanscom Hwde. Co.
HOLYOKE—Chase & Cooledge Co.
Holyoke Supply Co.
Holyoke Valve & Hydrant Co.
Jolly J. & W., Inc.
Keith Irving L.
Pearson W. A.
Russell G. E. & Co.
Russell J. & Co.
Wells Hardware Co., Inc.
LAWRENCE—Austin M. E. & Co.
Barlow John W. Co.
Beals S. M. Estate
Blandin Co.
Bride Grimes & Co.
Hall Paint & Hardware Co.
Lawrence Rubber Co.
Robinson-Toohey Co.
Smart George B. & Co.
Stanchfield H. J. & Co.
Treat Hdw. & Supply Co.
LEICESTER—Watson L. S. Mfg. Co.
LEOMINSTER—Gavin Hardware Co.
Leominster Hardware Co.
LOWELL—Adams Hardware & Paint Co.
Bartlett W. T. S.
Bartlett & Dow Co.
Cady George L. & Sons
Coburn C. B. Co.
Hobson & Lawler Co.
Hutchins Geo. E.
Knowles Scale & Supply Co.
Middlesex Machine Co.
Smith Ervin E. Co.
Thompson Hardware Co.
Turner J. S. Mfg. Co.
*Whiting Henry F.
Wright M. G. & Co.
LYNN—Harding J. W. & Co.
Howe Oliver B.
Trefethen F. L.
MANSFIELD—Fuller W. C. Co.
MATTAPOISETT—Dexter A. M. (Est. of)
MIDDLEBORO—Doane G. E.
MILFORD—Ellis, Clark & Sons
Staples & Gould
MILLBURY—Williams J. H. Co.
NEW BEDFORD—BABBITT STEAM SPECIALTY CO.
*See adv index at end of book*
Briggs & Beckman
Dunham Crawford L.
Hillman F. G.
Knowles Wm. H. & Co.
Lowe S. C. Supply Co.
Manufacturers' Supply Co.
New Bedford Mill Supply Co.
New Bedford Rubber Co.
Rankin & Arnold
Slocum & Kilburn (and Electrical Supplies), 23 No. Water
Watson-Penfield Corp., West W. R.
NEWBURYPORT—Russell, Albert & Sons Co.
NORTH ADAMS—Burlingame & Darbys Co.
NORTH CHELMSFORD—*North Chelmsford Machine & Supply Co.
ORANGE—Chase Turbine Mfg. Co.
Orange Hardware Co.
PALMER—Buck E .A. & Co.
Whitcomb & Faulkner
PEABODY—Hamblet & Hayes Co.
Whidden A. H. & Son
PITTSFIELD—Barris-Kenyon Co.
Berkshire Mill Supply Co.
Robbins Gamwell & Co.
QUINCY—Bradford Wm. A. Co., Chestnut
Deming Hdwe Co.
ROCKLAND—Hall & Torrey
SALEM—Goodell Zina
SOMERVILLE—Birch Bros. (Textile)
SOUTH ATTLEBORO—Hopkins Harold V.
SOUTHBRIDGE—Winter G. C.
SPRINGFIELD—Alling Rubber Co.
Beacon-Taplin Co.
Carlisle Hardware Co., 326 Main
Chapman & Brooks Co.
Crane Co.
Dexter & Bowles (Paper Makers')
Foot Homer & Co.
Foss W. J. Co.
Hannan Fintoon Co.
Hyland W. J. Mfg. Co.
Law J. Douglas Co.
Lewis Chas C. Co.
Millar, Chas & Son Co.
Morris T. J.
Oliver & Howland Co.
Russell Jno. W. & Sons Co.
Springfield Belting & Supply Co.
Springfield Contractors' Supply Co.
Stacy E. S. Machine Co.
United States Rubber Co.
Winn Wm. R.
Wyckoff & Lloyd Co., 19-27 Worthington
TAUNTON—Park W. R. & Son
Pierce Hardware Co.
Presbrey-Field Co.
TURNERS FALLS—Webster F. I.
WALPOLE—Rooney Jno. B.
WALTHAM—Taylor & Percival
WARE—Sibley J. B. & Son
WESTFIELD—Bryan Hardware Co.
Mill Specialties Co.
WEST ROXBURY—McLaughlin W. T. Co.
WORCESTER—Brierly-Lombard Co., 668 Main
Buck E. A. & Co.
Burlingame A. Co.
Central Supply Co.
Duncan & Goodell Co.
*Graton & Knight Mfg. Co.
Henderson P. J., 171 Foster
*Hudson Belting Co., 3 Eaton pl
Marble J. Russell & Co.
Mason Brush Works
Rider P. L.
*Warren J. F. & W. H. Co.
Washburn-Garfield Co.
Wickwire Spencer Steel Corp.
*See adv index at end of book*
Willard W. H. & Co.
Worcester Rubber Co.

## MICHIGAN.

ADRIAN—Wilcox Hdwe Co.
ALPENA—Kline Lewis T.
BATTLE CREEK—Brockett L. B. & Son
Galloup J. O.
BAY CITY—Alert Pipe & Supply Co. (Also Mine)
Jennison Hardware Co. (Also Vessels)
Meister R. & Son
Styninger J. A.
BIG RAPIDS—Binney Machine Co.
Judson C. P. & Co.
CADILLAC—Cadillac Mch. Co.
Cadillac Plumbing & Heating Co.
Drury & Kelley Hardware Co.
CALUMET—Carlton Hdw. Co. (Also Mining)
Keckonen Hdwe. Co.
CHEBOYGAN—Blake H. A. & Son
Post J. J. Hdw. Co. (Ltd.)
DETROIT—Anderson-Kenneth Co. (Packing, etc), 33 Atwater
Baird W. J. Mchy. Co., 265 E Jefferson
Boyer-Campbell Co., Campbell bldg
Buhl Sons Co., 103-119 Woodbridge W
Central Distributing Co., 316 Harper
Conn-DeVisser Co.
Conklin S. P. (Pipe Coverings, etc), 68 Jefferson av
Crane Co., Atwater & Randolph
Detroit Heating & Lighting Co.
Lieb & Wright
Detroit Mill Supply Co., 64 High
*Detroit Oak Belting Co., 266 Wight
Edwards H. D. & Co., 16 Woodward av
English & Miller Mchy., Campbell bldg
Fairbanks Morse & Co., 467 W. Lafayette
Fales C. E. Mchy. Co., Kerr bldg
Fisher Tool & Supply Co., 112 Woodward
Gregg Hardware Co., 44 Cadillac sq.
Harvey's A. Sons Mfg. Co.
Humphreys E. C. Co., 624 Penobscot
Kerr Machy. & Supply Co., 100 Beaubien
Machy Sales & Electric Co., 5 E Fort
Ohio Rubber Co., 228 E. Jefferson
Palmer Bee Co., 2778 E Gd. Blvd
Penninsular Mchy Co., 279 E Jefferson
Rayl T. B. Co., 3 Grand River av
Riverside Mchy Depot, 17 St. Aubin av
Roehim & Davison 93 Woodbridge av
Sales Murray W. & Co., 76 Jefferson av
Schaefer Rubber Co., 15 E Grand River
Selinger Chas. A. Co., 43 E Larned
Schmittdiel Benj. A. & Co., 9 E Jefferson
Standard Bros., Ltd., 155 Woodbridge av
Stickley E., B. Mchy Co., 217 E Cong.
Stone J. R. Tool & Supply Co., 997 Woodward
Taylor Supply Co., 164 Larned
Walker Mfg. & Supply Co., Shelby & Woodbridge
Wing J. T. & Co., 19 Woodward av
DOWAGIAC—Bishop Hardware Co.
Onen Hardware Co.
ESCANABA—Delta Hardware Co.
FLINT—Hubbard Geo. W. Hardware Co.
Sterner Edwin Co.
GRAND RAPIDS—Alden & Judson
Barclay, Ayers & Bertsch Co.
Braudy M. & Sons
Grand Rapids Salvage Co.
Hayden Supply Co.
Kellogg-Burlingame Co.
Leitelt Adolph Iron Works
McMullen Mchy. Co.
Raniville F. Co.
HANCOCK—Kerredge Wm.
HOUGHTON—Portage Lake Hdw. Co., (Ltd.) (Also Mine)
Swift I. E. Co. (Principally Mining)
IRON MOUNTAIN—Rundle A. J. (Also Mining)
IRONWOOD—Lesselyong Hardware Co. (Also Mine)
ISHPEMING—Eggan Fred. J.
JACKSON—Central Distributing Co.
Smith-Winchester Co.
KALAMAZOO—Bard Chas. G.
Bond Supply Co.
Edwards & Chamberlain Hardware Co.
Wheeler-Blaney Co.
LANSING—Michigan Supply Co.
Lake Shore Engine Works (Mine)
Van Dervoort Hdwe. Co.
MANISTEE—Vincent-Wolters Co.
MARINE CITY—Zimmerman Bros.
MARQUETTE—Lake Shore Engine Wks.
Manhard M. R. & Son
MENOMINEE—Northern Hardware & Supply Co.
MUSKEGON—Howden J. J. Co.
Towner Hardware Co.
PAW PAW—Waters H. C. & Co.
PONTIAC—Hazleton -Fitch Co.
PORT HURON—Peoples Hdwe Co.
Port Huron Engine & Thresher Co.
Beard Campbell & Co.
Boyce Hdwe. Co.
SAGINAW—Alert Pipe & Supply Co. (Also Mine)
Michigan Saw Co.
Morley Bros.
Saginaw Hardware Co.
Saginaw Mfg. Co. (Pulleys)
Sullivan Supply Co.
United States Graphite Co. (Mine)
ST. IGNACE—Kynoch Chas. & Co.
SAULT SAINTE MARIE—Soo Hardware Co.
SHELBY—Rankin A. J.
TECUMSEH—Satterthwaite Bros.
Whitenack D. L. & Co.
TRAVERSE CITY—Traverse City Iron Works
ZEELAND—DePree Wm. Co.

## MINNESOTA.

DULUTH—Crane & Ardway Co.
Duluth Iron & Metal Co.
Kelley-How-Thomson Co.
Marshall-Wells Co. (Also Mine & Lumbermen's Supplies)
Northern Hardware Co.
MINNEAPOLIS—Atkins E. C. & Co., 122 Washington av N
Central Supply Co., 312 S Third
Clark Gea. A. & Son
Crane Co.
Engineering & Steam Supplies Co., 1029 S 3rd
Fairbanks Morse & Co.
Gilmore D. M. Co., 515 S 3rd
Harris Machinery Co., Washington & University, S E

MINNESOTA—Minneapolis—continued
Herschel-Roth Mfg. Co.
Howell R. R. & Co., 31st av
Janney, Semple, Hill & Co., 1st av S & 2nd
Kelly H. & Co., Plymouth Bldg
Link Belt Supply Co. (Mill & Grain Elevator), 410 S 3d
Manufacturers' Supply Co., 2407 University av S E
Marshall-Wells Co., Lake av, S
Morison W. K. & Co., 15 S 7th
National Mfg. & Supply Co., 256 3d av S
Northern Machinery Co., 503 S 6th
Northern Rubber & Supply Co.
*Nott W. S. Co., 2nd av N & 3rd
Plant Rubber Co., 322 1st av N
Power Equipment Co.
Sanford Chas. E. & Co. (Also Mine), 202 Wash'n av N
Satterlee F. E. Co., 120 Wash'n N
*Sikes S. R. Co., 1030 S 3rd
Simmons Hdwe. Co.
Strong-Scott Mfg. Co., 413 S 3rd
Warner Hdwe. Co., 13 S 6th
Willford Mfg. Co., 303 S 3d
ST. PAUL—Cochran-Sargent Co., 182 E 6th
Crane & Ordway Co., 5th & Rosabel
Decker Adam Hdwe. Co., 347 Jackson
Fairbanks Morse & Co.
Farwell Ozmun, Kirk & Co., 2d & Jackson
*Goodyear Rubber Co., 375 Sibley
Hildred John W. & Co.
Raymer Hdwe Co., 58 E 5th
Robinson Cary & Sands Co., 4th & Wasonta
Schwab J. S. Co.
United States Rubber Co.
Western Supply Co., Park Square
Whitacre R. B. & Co.
WINONA—Cone R. D. Co.

## MISSISSIPPI.

CLARKSDALE—Clark Walter
Clarksdale Machinery Supply Mfg. Co.
Shelton J. R. Hdwe. Co.
Sommerse Hardware Co.
COLUMBUS—Banks Hdwe Co.
Jacobs F. M.
CORINTH—Adams W. T. Machine Co.
Cornith Machine Co.
GREENVILLE—Geise-Mann Hdwe Co.
HATTIESBURGH—Komp Machinery Co.
JACKSON—McCleland Thos., Hardware Co.
MERIDAN—General Supply & Machinery Co.
Hyde Chas. J.
Williams Cliff Machine Co.
NATCHEZ—Baker & McDowell Hdw. Co.
Feltus Bros.
Schwartz & Stewart
TUPELO—Trice & Raymond Hdwe. Co.
VICKSBURG—Richardson-Lee & Co.
Robinson B. J.
Wright Bros. Hardware Co.
YAZOO CITY—Crane-Hamel Hdw. Co.

## MISSOURI.

CARTHAGE—Joplin Supply Co.
JOPLIN—Halyard Hdwe. Co.
Joplin Mchy. & Renting Co.
Joplin Supply Co.
Landreth Mchy. Co.
McNeal Machinery Co.
United Iron Works Co. (Also Mine)
KANSAS CITY—Bonniwell-Calvin Iron Co.
Brunner H. J. Hardware & Machine Supply Co., 1205 W 10th
Bunting Hardware Co., 810 Walnut
Byrnes Belting Co., 1406 W 12th
Chandler Pump & Supply Co.
Crane Co.
Ellfeldt Hdwe & Mcht's Supply Co., 1219 McGee
English Tool & Supply Co., 408 W 5th
Equipment Co. (R. R., etc.), 1531 Walnut
Faeth Iron Co., 1125 N. 8th
Fairbanks Morse & Co.
*Goodyear Rubber Co., 80 Baltimore av
Great Western Mfg. Co., 1221 Union av
Gustin-Bacon Mfg. Co., 1604 W Grand
Harbison Mfg. Co., 1219 W 10th
Kansas City Pump Co., 1314 W 10th
Richards & Conover Hardware Co., 5th c Wyandotte
Southern Plumbing Supply Co., 2030 Walnut
United Iron Works Co. (Mine)
United States Rubber Co.
U. S. Water & Steam Supply Co., 1315 W 12th
Williams H. R. Mill Supply Co., 103 Mass bldg
Young W. B. Supply Co., 208 Delaware av
MOBERLY—Faessler J. Mfg. Co.
POPULAR BLUFF—Holcomb, W. A.
ST. JOSEPH—Bristol Co.
Horigan Supply Co.
Howe W. B. Supply Co.
Jamieson Mch. Co.
ST. LOUIS—Barry-Wehmiller Machy. Co., 4660 Florissant
Beck & Corbitt Iron Co. (Mine & Shop), 1230 Main
Blackman Machine Tool Co., 1513 W B'way
Brickman J. R. Mfg. Co.
Broderick & Bascom Rope Co. (Mine), 805 N Main
Brown-McDonald Machinery Co., 2323 N 9th
Byrnes Belting Co., 2109 Locust
Cahill Swift Mfg. Co., 1112 Market
*Capen Belting & Rubber Co., Main & Chestnut
Colcord-Wright Mchy. & Supply Co., 1223 to 1229 N B'way
Continental Supply Co., 1139 Olive
Cornelius Mill Furnishing Co., 1119 N 6th
Crane Co. (of Chicago), Est. 1855, 16th & Walnut
Crescent Oil & Supply Co., 303 N Levee
Crockwell Mine & Mill Supply Co., Federal Reserve Bank bldg
Day Rubber Co., 415 N 4th
Dodge Sales & Engineering Co., 408 N 4th
Donovan Iron & Supply Co., 812 N Main
Essmueller Mill Furnishing Co., 1222 S 8th
Fairbanks Morse & Co., 217 S 8th
Fisher & Davis Mfg. Co., 934 N 1st
Fritz Geo J. Fdry. & Mch. Co., 2018 S 3rd
Geller, Ward & Hasner Hardware Co., 414 N 4th
General Mfg. Co., 18th & Pine
Graton & Knight Mfg. Co., 711 N 8th
Hall & Brown Woodworking Machine Co., 1929-33 N B'way
*See adv index at end of book*
Handlan-Buck Mfg. Co., 210-14 N 3d
Hirsch Cal. & Sons Mercantile Co., 300 S Broadway
Jarecki Mfg. Co., Chemical bldg
Johnson Wm. C. Sons Mach. Co., 1001 N 6th
Leschen A. & Sons Rope Co. (Belting, Packing, etc), 920 N Main
Manning, Maxwell & Moore, R'way Exch. bldg
Materne John P. Mfg. Co., 18th & Gratiot
Matthews Geo. T. & Co., 20 S Main
Nelson N. O. Mfg. Co., 10th & Chestnut
Railroad Supply Co., LaSalle bldg
Ramming John Mch. Co., 300 S Main
Reeves & Skinner Mch. Co., 2211 Olive
Rubelmann Lucas Hdw. Co., 1939 N. B'way
Rumsey, L. M. Mfg. Co., 4372 Westminster
St. Louis Belting & Supply Co., 509 So 4th
St. Louis Iron Store Co., 700 Cass av
St. Louis Machinists' Supply Co., 920 N. B'way
Schroeter Bros. Hdwe. Co., 810 Washington av
Shapleigh Hardware Co. (Also Miners'), 4th & Washington av
Simmons Hardware Co., 9th & Spruce
Sligo Iron Store Co., 6th & O'Fallon
Smith Geo. F., Franklin & Channing
Southern Railway Supply & Equipment Co., 17th & Ohio
Stockhoff Supply Co., 107 N Main
Streett J. D. & Co. (Also Mine), 41st & Park
Teuscher & Son Machinery Supply Co., 527 N 2nd
Zelnicker Walter A., Supply Co., 325 Locust *See adv index at end of book*
SEDALIA— Barley Thomas K.
SPRINGFIELD—McGregor-Noe Hardware Co.
WEBB CITY—Franz Hdwe Co.
Joplin Supply Co. (Mine)

## MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BILLINGS—Billings Hdwe. Co.
National Supply Co.
BOZEMAN—Power Implement Co.
BUTTE—Anaconda Copper Mining Co.
Butte Mchy. Co.
Montana Hardware Co.
Western Iron Works
GREAT FALLS—Crane & Ordway Co.
HELENA—Helena Hdwe Co.
Holter A. M. Hardware Co.
KALISPELL—Kalispell Mercantile Co.
MISSOULA—Missoula Mercantile Co.

## NEBRASKA.

ALLIANCE—Newberry's Hdwe. Co.
BEATRICE—Dempster Mill Mfg. Co.
GRAND ISLAND—McAllister R. H. Co.
LINCOLN—Cornell-Searl Co.
Western Supply Co.
OMAHA—American Supply & Mchy Co.
Crane Co.
Day John Rubber & Supply Co.
Latshaw Belting & Supply Co.
McGraw Co.
Omaha Baum Iron Store Inc.
Omaha Sanitary Supply Co.
Sunderland Machinery & Supply Co.
U. S. Supply Co.
YORK—York Fdry. & Engine Works

## NEVADA.

RENO—Bradley J. R. Co.
Nevada Mchy & Electric Co.

## NEW HAMPSHIRE.

CLAREMONT—Rand, Ball & King Co.
CONCORD—Concord Pipe Co.
Page Belting Co.
Thompson & Hoague Co.
EXETER—Lane G. W. & C. A.
KEENE—Spencer Hardware Co.
LACONIA—Huse W. D. & Sons
Quinby A. T. & Son
LANCASTER—Morean J. J. & Son
Thompson Mfg. Co.
MANCHESTER—Cornish E. P.
Manchester Hardware Co.
Manchester Supply Co.
Varick Jno. B. Co.
MILFORD—French W. F.
Peirce W. E. & Co.
NASHUA—Grover File Co.
Hill Hdwe. & Paint Co.
NEWFIELD—Pollard C. A. Co.
PETERBORO—Walbridge & Taylor
PORTSMOUTH—Chadwick & Trefether
SOMERSWORTH—Brackett, Shaw & Lunt Co.
WHITFIELD—Stoughton Allen F.

## NEW JERSEY.

ATLANTIC CITY—Allen E. Philip & Co
Currie Co.
BAYONNE—Bayonne Supply Co.
Meyer & Ruh Co.
DOVER—Berry S. H. Hdwe. Co.
ELIZABETH—Elizabeth Hardware Co.
GUTTENBURG—Herrmann F. W. Co.
HOBOKEN—Ross Francis J.
Standard Heating Co., 8th & Jefferson
JERSEY CITY— Gibbons Ernest A. Co. 27 Montgomery
Jersey City Supply Co., 12 Mercer
Perkins Arthur L. Co., 144 12th
Sands Jos. S., 491 W Side av
MADISON—Force Chas. C. & Son
NEWARK—Banister & Pollard, 206 Market
Brown Disbro & Co.
Coe Jas. A. & Co., 106 Mulberry
Crabb Wm. & Co., 3d av, cor 4th
Crane & Milligan, 54 Mechanic
*De Forge L. M., 83 Hixon pl
Essex Supply Co., 54 Polk
Factory Supply & Hardware Co., 47 Mechanic
Foster Bros., 293 Market
Ironbound Hardware & Supply House, 228 Ferry
Johnson-Mandeville Co., 496 Broad
Jones & Auerbacher, 26 Mechanic
Ludlow & Squier, 97 Market
Macknet & Doremus, 796 Broad
*Meier's Jos. Sons, 281 Market
Mutual Supply Co., 87 Penna av
Rising & Thorne, 475 Broad
Roe Wm. S., 17 Mechanic
ROE & CONOVER, 206 Frelinghuysen av *See adv index at end of book*

Walker Chas W. Sons & Co., 288 Market
NEW BRUNSWICK—Beith & Reilly Co.
Strong Hardware Co.
Weigel Philip, Jr.
ORANGE—Lindsley Jno. H.
PASSAIC—Mills H. W. & Co.
New Jersey Engineering & Supply Co.
Passaic Plumbing Supply Co.
PATERSON—Ash Henry M.
Cleaver & Leather
Cleveland J. W. Hardware Co.
Cox Jas. T.
Cronin Jno. P.
Doremus John T. Co.
Frost Geo. T. & Sons
Gurney Wm. H.
Hall I. A. & Co. (Textile)
Hindley Edwin B. & Co.
Low F. Eliot & Co.
Mills H. W. & Co.
Myers Geo. A. & Co.
National Mill Supply Co.
Paterson Reed & Harness Co. (Textile)
Paterson Supply Co. (Textile)
Quackenbush & Son
Quinn Bros.
Rigby H.
Smith Abe
Ulrich Co.
Van Riper Mfg. Co. (Textile)
Van Winkle J. A. Co.
Walder Jacob (Textile)
PERTH AMBOY—Cramer & Allen, Broad & Centre
Elizabeth Hardware Co.
McCormick W. H. & Son
Perth Amboy Hdwe. Co.
TRENTON—Katzenbach F. S. & Co.
Manufacturers Selling Co.
Piper Bros., 112 Brunswick av
Standard Supply & Equipment Co., 143 N Warren
WEEHAWKEN—Berger Edw. W. & Bro.

## NEW MEXICO.

ALBUQUERQUE—Whitney Hardware Co. (Also Mine)

## NEW YORK.

ALBANY—•Albany Belting & Supply Co.
Albany Hrwe. & Iron Co.
Fairbanks Co., 364 Broadway
Stoneman M. G. & Son
Strong Homer
Wing Robert B. & Son, 385 B'way
AMSTERDAM—Gardiner E. W. (Textile)
Larrabee John E. Co. Inc.
AUBURN—Herron P. M. Hardware Co., 34 Genesee
Smith & Pearson
BATAVIA—Russell & Palmer
Steel & Torrance Co. Inc.
BATH—Gould & Nowlen
BINGHAMTON—Babcock, Hinds & Underwood
Gaylord & Eitapenc Co.
Millar, Chas. & Son Co.
Morse E. W. Co.
Runyon & Ogden
Shapley & Wells
BROOKLYN—(See N. Y. City, Borough of Brooklyn)
BUFFALO—Baker Howard H. & Co.
Beals, McCarthy & Rogers, 44 Terrace
•Bickford & Francis Belting Co., 35 Pearl
Brown Wm. H. H. Co.
Buffalo Belting Works, 18 Ellicott
Buffalo Mill Supply Co., 210 Main
Buffalo Tool & Supply Co.
Buffalo Wholesale Hdw. Co., 317 Washington
Bushnell Clarence E.
Case W. A. & Sons Mfg. Co.
Connelly Bros.
Crane Co
Enos & Sanderson, 147 Bushnell
Fairbanks Co., 108 Pearl
Frasse Peter A. Inc.
•Goodyear Tire & Rubber Co., 1013 Main
Hamill D. L. Co., 60 Delaware av
Hendee-Connor Co., 60 Pearl
Hoffeld R. & Co., 61 Carroll
Kemp Rubber Co., 246 Washington
Lenahan Frank & Son, 53 Fulton
Loegler & Ladd Inc.
McCutcheon C. H., 27 Washington
Mahoney Daniel & Sons, 17 Main
Mey Chain Belt Co.
Newman W. H. H. & Co., 70 Main
Osgood J. L.
Peerless Belting Co., Indian Church rd
Peerless Mill Supply Co., 90 Pearl
Root Neal & Co., 178 Main
Ruckel J. H. & Son, 81 Main
Schaefer & Co., 146 Clinton
Strong Homer, Ellicott sq
Taylor H. D. Co., 103 Oak
U. S. Rubber Co.
Walbridge & Co., 392 Main
Warren & Dellwardt Co., 109 Seneca
Weed & Co., 95 Swan
Whittet, Barrett & Curtis, 59 Main
Wright A. B. & Co., 230 Washington
Wright Harry S.
CANANDAIGUA—Peck Hdwe. Co.
CARTHAGE—Ryther & Pringle Co.
CATTARAUGUS—Oakes & Burger Co.
COHOES—Kavanaugh Geo. W.
Laughlin Edwin B.
Laughlin John
Sweet & Doyle
CORTLAND—Gallup Hardware Co.
McKee, J. L. Supply Co.
ELMIRA—Barker Rose & Clinton Co.
Booth Irving D. Inc.
Elmira Storage & Supply Co.
Hogg-Lynn Co. Inc.
Horton Machine Works
Swift Lubricator Co.
DUNKIRK—Armstrong & Fleischman
DURHAM—Durham Iron Works
FORT EDWARD—Newton & Hill
GENEVA—Dorchester & Rose
Emig & Hatmaker
GLENS FALLS—Kalbfleisch Theo. F.
Robinson Supply Co.
GLOVERSVILLE—Batcheller E. S. & Co
Sowle J. E.
GOUVERNEUR—Loveland M. E.
GREENE—Lyon Iron Works
HAVERSTRAW—Lane Chas. R.
Rose & Johnson
Straut W. H. Co.
CLYDE—Wood S. W. Engine Co., Inc.
HUDSON—Jones & Hardy
Parker Byron
ILION—Newth N. J. Hardware Co.
JAMESTOWN—Clark Hdw. Co.
Jamestown Hardware Co.
Lundquist C. A. & Co.
Underwood F. J.
JOHNSTOWN—McGuire & Tymeson Co.
KINGSTON—Canfield Supply Co.
Johnson J. T.
Winne L. S. & Co.
LITTLE FALLS—Burney Bros.
Burrell D. H. & Co. (For Creamery & Cheese Factories, etc)
Taylor Jno. R. & Co.
LOCKPORT—Trevor Mfg. Co.
LONG ISLAND CITY—(See N. Y. City Borough of Queens)
MALONE—Hinds Thomas Co.
MECHANICSVILLE — Mechanicsville Specialty Supply Mfg. Co.
MOUNT VERNON—Fell Adolph
NEWBURGH—Holland Hardware Co.
Lawson Hdwe. Co.
Smith W. L.
NEW ROCHELLE—Dimock & Fink Co.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Brown Jas. H., 139 3d av
Colesman Chas., 953 3d av
Crane Co., 247 Willowby
Jacobs Geo. P. & Co., 276 S 9th
Johnson J. D. Co., 43 Boerum pl
Kasper & Koetzle Hardware Co., Inc 565 Bushwick
Kiley Thos. W. & Co., 57 Grand
McElraevy & Hauck Co., 440 B'way
Munkenbeck Bros. Inc., 88 Hamilton av
Scollay John A., Estate, 74 Myrtle av
Smyth-Donegan Co., 247 St. Marks av
Universal Hdwe. & Supply Co., 79 Greenpoint av
Wickes John C. Co., 189 Montague
Wilfert John Co., 490 Brunswick av

### Boroughs of Manhattan and Bronx.

NEW YORK—Adams Geo. J., 39 South
Allied Machinery Co. of America, 51 Chambers
Atkins E. C. & Co., 50 Reade
Baker Carver & Morrell, 36 Water
Baldwin Frank & Son, 33 South
Bayne Co., 29 Sullivan
Beggs Jas. & Co., 30 Warren
*See ad index at end of book*
Behrer & Co., 81 Beekman
Behringer Edw. A., Inc., 98 Park pl
Beith & Reilly Co., 2475 3d av
Bernard-Greenwood Co., 20 Desbrosses
Bettes & Ebsen, 152 Chambers
*See adv index at end of book*
Biddle Purchasing Co., 105 Chambers
Blackburn S. P. Co., 15 Coents Slip
Blue & Queripel Co., Inc., 2360 3d av
Bowman M. K. Edson Co., 64 Dey
Braunfels, Browning & Co., 1940 Park av
Burnet Co., 69 South
Callahan Geo. & Co., 218 Front
Campbell Supply Co., 570 Columbus av
Carter R. K. & Co., 66 Reade
Chapman, Porter & Woelfling Co., Inc., 180 West
Chase Charles F., 39 Cortlandt
Chatwin Alfred Supply Co. (Tools & Supplies), 401 Broome
Church St. Machinery & Eng. Corp. (Exporters), 30 Church
Colonial Rubber Specialties Co., 35 Murray
Consolidated Packing & Supply Co., 21 Barclay
Cooney-Dunn Co., 72 Grand
Cornell & Underhill, Greenwich & Spring
Crane Co., 490 Cherry
Croler Nat'l. Fire Prevention Engng. Co.
Curran Supply Co., 512 W 36th
Dale-Brewster Mchy. Co., Inc., 54 Lafayette
Davidson-Lewis Metal Products Co., Inc., 217 B'way
Dienst A. P. Co., 2604 3d av
Dill J. T. Co. (Pulleys, Hangers & Shafting), 90 Walker
Dimock & Fink Co., 220 E 125th
Dixon Wm., 39 John
Dodge Mfg. Co., 21 Murray
Dominion Asbestos & Rubber Co., 154 Nassau *See adv index at end of book*
Donegan & Swift, 6 Murray
Donovan R. J. Co. of N. Y., 217 Pearl
Du Bois F. N. & Co., 247 9th av
Dunham, Carrigan & Hayden Co., 127 Duane (Also Mine)
Durkee, Chas. D. & Co., 2 South
Eagle Pipe Supply Co., Inc., 233 B'way
Eberhart M. & Son Co., 1462 1st av
Eidel Bernhard H., 445 Canal
Endicott-Hammond Co., 50 West
Fairbanks Co., 416 Broome
Fairbanks, Morse & Co., 30 Church
Fitzgerald M. J. Co., 252 Lafayette
Flint & Chester, 237 Lafayette
Ford Pulley & Hardware Co., Inc. (Factory Supplies), 404 Fourth av
Fox Bros. & Co., 126 Lafayette
Fox W. B. & Bro., 21 Warren
Fox & Engel, 253 B'way
Frank Henry Jr., 374 Hudson
Franklin Hdwe. Co., Inc., 37 Howard
Frasse, Peter A. & Co. (Inc.), 417 Canal
Frevert Mchy. Co., 38 Vesey
Galban Noecker & Co. Inc., 82 Beaver
Gailbraith C. C. & Son, 90 West
Garrett W. D. & Co., 126 Liberty
Garvin Mch. Co., 147 Varick
Gaston Williams & Wigmore Inc., 140 B'way
General Mchy. & Supply Co., 1 B'way
General Supply & Equipment Corp, 459 Canal
Giannini G. W., 437 W 42d
Gibbons Jno. V., 133 Greenwich
Giberson E. D. & Co., 52 B'way
Gladium Co. Inc., 127 Duane
Glauber Sam S., 242 E 79th
GODFREY-KEELER CO., 70 Warren
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Grant Robert, 233 B'way
Graton & Knight, 72 Warren
Graves Mchy. Exchange, 50 Church
Greason Mfg. Co., 108 W 99th
Greene, Tweed & Co., 109 Duane
Green G. S. Co. Inc., 74 Warren
Greenberg Louis, 43 Suffolk
Griffin Henry C. & Co., 143 Varick
Hall's Wm. A. Son, 111 Broad
Hamilton Co., 50 Church
Hammacher, Schlemmer & Co., 133 4th av
Hanner & Fredericks, 824 Amsterdam av
Hansen & Yorke Co., 88 Warren
Hardware & Supply Co., 215 Canal
Hayward S. F. & Co., 250 W 54th
Hegeman & Ward, 43 South
Hemphill A. J. Co., 133 Greenwich
Honolulu Iron Works. Co., 233 B'way
Hoole Tool & Supply Co., 101 Lafayette
Hull Grippen & Co., 310 3d av

NEW YORK—New York—continued

Hungerford U. T. Brass & Copper Co., 80 Lafayette
Hygrade Belting & Oil Co., 436 W B'way
Imperial Packing Corp., 191 Greenwich
Independent Supply Co., 36 South
Industrial Supply Co., 41 Broad
**Irving Mfg. & Tool Co., 157 Chambers**
Jones Packing Co., 50 Church
Kalb Adam, 162 Grand
**Katzenstein Leopold & Co., 358 West**
Keasbey Robt. A. Co., 445 West
Keating E. F. Co., 446 Water
Keating James A. Co., 105 Christopher
**Kessel Henry A. Co., 38 Pearl**
Knickerbocker Supply Co., 149 Church
Lemkin S., 172 Centre
**Leonard & McCoy, 161 Wash'n**
Lord & Burnham Co., 30 E 42d
Ludeke W., 97 Warren
Imperial Packing Corp., 191 Greenwich
McCabe J. J., 149 B'way
McCoy, Jos. F. Co., 157 Chambers
McCoy Henry J., 65 Dey
McIntosh Terrio & Co., 58 Pearl
McMann Supply Co., 319 Pearl
**McMANN & TAYLOR CO.** (Jobbers), 104 John. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John
MacGovern & Co., Inc., 114 Liberty
**Macwatty D. & Co., 103 Chambers**
Manhattan Mchy. Exchange, 30 Church
**Manning, Maxwell & Moore, 119 W 40th**
Marine Mfg. & Supply Co., 158 South
Marine Metal & Supply Co., 100 Horatio
Markt & Schaefer Co., 193 West
Marlen Hdwe. Co., 110 Fulton
Martens R. & Co. Inc., 6 Hanover
Marx S. C. Co., 76 Dey
Mead John J. Co., 75 Barclay
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Miller & McLean, 120 Liberty
Mine & Smelter Supply Co. (Mine), 42 B'way
Mitchell-Bissell Co., 251 4th av
Modern Machy. Exchange, 25 Church
Montgomery & Co., 105 Fulton
Mooney Douglas & Pearson, 193 Greenwich
**Motley James M., 71 Beaver**
Murray H. J., 85 Warren
Murray Jno. A. & Co., 310 W 39th
Nason Mfg. Co., 71 Fulton
Neal B. B. Hardware Co., 117 Leonard
Neal & Brinker Co., 81 White
**•New York Belting & Packing Co.** 91 Chambers
New York Mchy. Exchange, 50 Church
New York Millwright Co., Inc. (Power Transmission Machy.), 86 Cortlandt
Niles-Bement-Pond Co., 111 B'way
**Ogden J. Edward Co., 147 Cedar**
Oliver Bros., Inc., 71 Murray
Olney & Warrin, 301 Lafayette
O'Neil M. Supply Co., 25 Cliff
**Patterson Bros., 27 Park row**
Patterson, Gottfried & Hunter, 211 Centre
**Pearson J. H. Supply Co., 79 White**
Peck W. E. & Co., 104 Pearl
Peerless Iron Pipe Exchange Inc., 396 B'way
Pendleton W. S., Jr., & Co., 164 Front
**Pfaff George, 109 Lafayette**
Phelps Bros. & Co., 101 Beekman
Pitts & Kitts Mfg. & Supply Co., 233 B'way
**Pollock Alex. Co., 203 West**
Richard Frank & Gardner Co., 47 South
Richards & Hirschfeld, Inc., 50 Church
**Roberts Geo. I. & Bros., 471 4th av**
**Robertson Jas. L. & Son, 78 Murray**
**ROGERS H. A. CO.**, 87 Walker
*See ad index at end of book*
**Rumsey Pump & Machine Co., 75 Warren**
**Saginaw Mfg. Co., 88 Warren**
**•Schieren Charles A. Co., 30 Ferry**
•Schultz Belting Co. (of St. Louis, Mo.), 111 Chambers
Schwenker W. M. Inc., 340 E 92d
**Secor A. W., 76 Fulton**
Sel B. & Co., 59 Orchard
Sharlow Bros. & Co., 442 W 42d
Simmons Hdwe. Co., 17 Battery pl
**Smith G. & Son, 251 W 28th**
Standard Scale & Supply Co., 145 Chambers
Starratt & Jones Co., 72 Greene
**Stephens & Conrow Co., 98 Park pl**
**Stroh & Wilson, 420 W 42d**
Strong Machinery & Supply Co., 21 Walker
*See adv index at end of book*
Terminal Mch. Co., 404 Broome
Thompson Richard & Co., 126 Liberty
Topping Bros., 122 Chambers
Tracy Bros., 185 Washington
**Tracy Frank, 202 Centre**
Tucker Tool & Mch. Co., 75 Murray
Tufts Walter B., 94 John
**Urquhart's Jno. S. Son & Co., 131 Liberty**
Valves Sales Co.
Van Wechten & Sons, 96 John
Walls T. P. Tool & Supply Co. Inc., 75 Walker
Walworth Mfg. Co., 19 Cliff
Washington Hardware Co., Inc., 257 Greenwich
Weiss H. & Co., 83 John
Westerburg C. H. & Co., Inc., 9 West B'way
**Williams Wm. E., 62 Front**
Williams & Wells Co., 248 Fulton
Wilson J. & R., 120 B'way
**Wilson O. C. & K. R., 78 Dey**
Wilson, W. S., Corp., 155 Chambers
Woodhouse Mfg. Co., 64 W B'way
Young Wm., 129 Av D

**Borough of Queens.**

LONG ISLAND CITY—Brodie Wm., 307 Jackson av
Long Isl. Hdw. Co.
**Petry Jno. W. Co., 87 Fifth**

**Borough of Richmond.**

WEST NEW BRIGHTON—Staten Island Supply Co., 398 Bay

**(End of New York City).**

NIAGARA FALLS—Elderfield-Hartshorn Hardware Co.
Niagara Falls Hdwe & Supply Co.
NORTH TONAWANDA—American District Steam Co.
Cramer Hdwe. Co.
NORWICH—Ireland Machine & Foundry Co. (Mill Supplies Only)
*See adv index at end of book*
OGDENSBURG—Hackett Patrick, Hardware Co.
Ogdensburg Machine Co.
OLEAN—Barse C. V. B. Co.
Luther Mfg. Co.
ONEIDA—Ruby Geo. H. Hardware Co.
Smith, J. R.
ONEONTA—Gorham H. E.
OSWEGO—Crawford M. B. & Son
Dings Chas. W.
Oswego Tool Co.
Parson J. S.
**PEEKSKILL—Naylor Bros.**
Wessells W. F.
**PLATTSBURG—Plattsburg Foundry & Machine Co.**
POTSDAM—Leete Chas. H.
ROCHESTER—Alexander D. A. Co., 272 State
Barr & Creelman Co.
Chamberlain Rubber Co.
Cook Iron Store Co.
**•Cross Bros. & Co.**
Ernst Louis & Sons
**Falls Frank H.**
**Forster John M. Co.**
Harper John R.
Howe & Bassett Co. Inc.
Haverstick & Co. (Also Mine & R. R.)
Roby, S. B. Co.
Strong Homer
U. S. Rubber Co.
**Weed & Co., 13 Exchange**
Wilson W. A. Mach. Co., 217 N Water
**Wright & Alexander Co.**
ROME—Jackson Charles H.
**Townsend's Jno. Sons**
Wardwell Hdw. Co.
**SCHENECTADY—Witbeck, Clark Co.**
SYRACUSE—Bates Edw. P. Co., Inc.
Betts Supply Co., 406 So Franklin
Burns Bros.
**Burhans & Black (Inc.)**
Case W. A. & Son Mfg. Co.
**Clancy Hdwe. Co.**
Crane Co.
**Fairbanks Co.**
Grants Alexander Sons
**Joy Edw. Co.**
McCarty Chas. C., 300 W Water
Onondago Belting & Supply Co.
Smith H. A. Mchy. Co., 501 E Water
**Strong Homer**
**•Syracuse Supply Co.**
United States Rubber Co.
**Wood C. H. Company**
**TROY—•Barnum Bros. Co.**
Blanchard Fred K.
Cady A. J.
**Horan Jas. J. & Co.**
**Interstate Machinery Co.**
**•Pine & Co.**
Tolhurst Mch. Wks.
**•Troy Belting & Supply Co.**
Warren J. M. & Co.
UTICA—Bowman Geo. A.
Bates, Edward P. Co., Inc.
Dent Matthew F. Co., 7 Blandina
Despard, F. F.
Foster David S. Sons & Co.
Kavanaugh, Geo. W.
Lawton, W. M.
**Millar Chas. & Son Co.**
Munson Mill Machinery Co. (Grist Mill Supplies)
Roberts Hdwe. Co.
**Smyth-Despard Co.**
Utica Heater Co.
Utica Novelty & Mill Specialty Co.
**WATERTOWN—Avery M. E. Co.**
**Bradley Thos. H.**
**Conde W. W. Hardware Co.**
**Hunting Co.**
Kalbfleisch Supply Co.
**Kamargo Supply Co.**
Salem Iron Wks.
Stebbins, Wm. C.
**Weekes John & Son Co.**
YONKERS—Barr A. B. & Co.
Ryan Joseph C.
Twine H. L.

## NORTH CAROLINA.

**ASHEVILLE—Asheville Supply & Fdry Co**
CHARLOTTE—Alexander & Garsed
Charlotte Supply Co.
**Cramer Stuart W.**
**General Fire Extinguisher Co.**
**Liddell Co.**
Mecklenburg Iron Works
Parks-Cramer Co.
**Textile Mill Supply Co.**
ELIZABETH CITY—Elizabeth City Iron Works & Supply Co.
Jones D. M. Co.
**GOLDSBORO—Dewey Bros.**
**GREENSBORO—Clymer L. M.**
**Odell Hardware Co.**
**HENDERSON—O'Neil M. J.**
HERTFORD—Hertford Hdwe. & Supply Co.
HIGH POINT—Beeson Hdwe. Co.
LENOIR—Bernhardt-Seagle Co.
NEWBERN—Hyman Supply Co.
Newburn Iron Wks.
**RAEFORD—Raeford Hdw. Co.**
**RALEIGH—Dillon Supply Co.**
Raleigh Iron Works Co.
WADESBORO—Blalock-Allen Hdwe. Co.
WASHINGTON—Harris Hdwe. Co.
McKeel-Richardson Hdw. Co.
**WILMINGTON—Hyman Supply Co.**
**Standard Supply Co.**
WINSTON-SALEM—Brown-Rogers Co.
Crawford Mill Supply Co.

## NORTH DAKOTA.

**FARGO—Crane & Ordway Co. (of Chicago), Est. 1855**
**Harrington Hubert**
**JAMESTOWN—Chenery & Co.**

## OHIO.

AKRON—•Akron Belting Co. (Belting **Hose, etc)**
Goodyear Tire & Rubber Co.
Hardware & Supply Co., 21-29 W Market
Manufacturers Rubber & Supply Co.
Mill & Mine Supply Co. (& Mine Supplies)
ALLIANCE—Allot Hardware Co.
ASHTABULA—Dudley W. E.
McKinnon Iron Works Co.
Mitchell Hdwe. Co.
**Paine-Ford Co.**
**Smith Homer P.**
Topky Bros.
BARBERTON—Miller, W. F.
BUCYRUS—Carroll Fdry & Mach. Co.
Fischer & Flohr
**CAMBRIDGE—Branthoover & Johnston Co. (Also Mine)**

CANTON—Canton Hardware Co.
Canton Supply Co.
Carpenter C. N. Supply Co.
Kennedy W. A. Hdwe. Co.
Lawler Rubber & Supply Co.
Scioto Valley Supply Co.
Yohe Wm. S. Supply Co.
CHILLICOTHE—Chillicothe Hdwe. Co.
CINCINNATI—American Oak Leather Co., Kenner Dalton & McLean avs
Asbestos Supply & Mfg. Co., 111 W 3d
Atlas Rubber & Belting Co., 312 Walnut
Blaesi, C. W. Co., 238 E 3rd
Boebinger Hdw. Co., 315 E Pearl
Broadway Mchy Co., 236 B'way
Burr Oak Belting Co., 52 Livingston
Consolidated Boot Store Co., 56 Main
Crane Co. (of Chicago), Est. 1855, 824 B'way
Devou V. N. Supply Co., 506 Central av
Dodge Mfg. Co., 128 W 3d
Doermann-Roehrer Co. (Also Mine Supplies), 318 E 3rd
Dominion Asbestos & Rubber Corp.
*See adv index at end of book*
Eagle Counter & Leather Co., 416 E 8th
Economy Machinery Co. (Jno. H. Flynn, Prop.), 428 E Pearl
Fairbanks Morse & Co., 4th & Central av
Fewlass-Leen Brass & Iron Co., 610 E Front
Flynn Wm. H. Machy. Co., 404 E 2nd
Hammond Heating Co., 130 E Pearl
Johnston Wm. T. Co., 3d & Vine
Kennedy Supply Co.
King Walter E., 115 W 3rd
Kinsey E. A. Co., 331 W 4th
Kramig R. E. & Co., 8th & Eggleston av
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly *See adv index at end of book*
Mechanical Supplies Co., 220 E 3rd
Merkel Bros. Co., Canal & Jackson
Morris E. K. & Co., 317 W 2d
Murdock Mfg. & Supply Co., 426 Plum
Nichol Thos. J. & Co., Pearl & Ludlow
Nuhring Chas. & Bro., 1212 Walnut
Ohio Machy. Exchange Co., 24 W 2nd
Ohio Rubber Co., 228 W 7th
Pickering Hardware Co., 5th c Main
Queen City Supply Co., Pearl & Elm
Regal Belting Co., 2520 Spring Grove av
Richter Brass Co., 210 E 9th
Scallan Supply Co., 121-3 W 3rd
Schultheis Edw. Co., 832 W 6th
Straub Machinery Co., 1230 Knowlton
Thompson Walter M., 1427 Plum
Uihlein Julius & Co., 208-14 Elm
Vulcan Supply Co. (Also Mine, R. R., etc), 120 Sycamore
Wirthlin-Mann Co. (Also Mine), 329 W 3d
Wood J. R. Supply Co., 917 B'way
CLEVELAND—Acme Mill Supply Co. (Scrap Iron, Steel & Metal), 836 Guardian bldg
Acme Nail & Supply Co., 422 Frankfort
Allied Rubber & Mica Co., 1430 W 3rd av
Biggs-Watterson Co., 1237 W 9th
Bingham W. Co., 1278 W 9th
Bliss Supply Co., 875 Long av
Buckeye Belting & Supply Co., 1560 W 3rd
Clark Mchy. Co., 1302 Ontario
Cleveland Mill Supply Co., Guardian bldg
Cleveland Tool & Supply Co., 1427 W 6th
Consumers' Rubber Co. (Rubber, etc), 829 Superior av
Cooperative Mchy. Co., 1227 W 9th
Cray Bros., 1111 W 11
Dennison A. D. & Co., 1020 Superior
Duplex Mchy. Co., 1224 W 6th
Fairbanks, Morse & Co., 1354 W 9th
Forest City Rubber Co., 1276 Ontario av
Freyman's Tool Co., 309 Prospect av
Gatts F. C. Co., Cuyahoga bldg
Garlock Packing Co., Engineers' bldg
HAYES EQUIPMENT CO., Engineers' bldg
Ingraham T. & Co., 1539 Columbus rd
Jacobson Supply Co., 1252 E 35th
Luetkemeyer Co., 725 Superior av, N W
Manning, Maxwell & Moore, Inc., Leader News bldg
Mau-Sherwood Supply Co., 1616 W 3rd
Morton-Petitt Co., 3951 St. Clair
Motch & Merryweather Mchy. Co., 711 Lakeside av, N W
Ohio Refrigerating Mch. & Supply Co., 1579 Columbus rd
Ohio Rubber Co., 725 St. Clair av, N E
Pattison W. M. Supply Co., 777 Rockwell av
Philpott Rubber Co., 1408 W 3d
Rubber Sundries Co., 1387 W 9th
Standard Sanitary Co., 4409 Euclid av
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W
Union Engng Co., Cuyahoga & W 4th
White Tool & Supply Co., 1313 W 6th N W
Worthington Geo. Co., 802-832 St. Clair av, N W
COLUMBIANA—Enterprise Co. (Sawmill)
COLUMBUS—Columbus Belting & Supply Co., 77 E Long
Columbus Mill & Mine Supply Co. (Also Mine), 75 N Front
Columbia Pump Supply Co., 35 Vine
Columbus Supply Co., 37 W Spring
Franklin Bldrs. Supply & Coal Co., 400 W Broad
Osborne & Sexton Machinery Co., 4th & Russell
Plumbers' & Factory Supply Co., 33 E Spring
Ross-Willoughy Co., 109 E Spring
Sackett Mine Supply Co. (Also Mine Supplies), 164 N 3d
Scioto Valley Supply Co. (Also Mine), Long & 3rd
Smith Bros. Hdw. Co., 38 W Chestnut
Tallmadge Hardware Co., 147 N High
Westwater Supply Co. (Also Mine), 150 N 3rd
CONNEAUT—Mitchell Hardware Co.
COSHOCTON—Keagy & Lear Machine Co. (Also Mine)
DAYTON—Dayton Iron & Steel Co.
Gump Charles A.
Larkin M. D. Supply Co.
Patterson Tool & Supply Co.
EAST LIVERPOOL—Milligan Hardware & Supply Co.
ELYRIA—Elyria Belting & Machinery Co.
FINDLAY—Buckeye Hdwe. Co.
Ohio Pipe Co.
Went C. H.
FREMONT—Winters Hdwe. Co.
GENEVA—Harley Bros.
HAMILTON—Hamilton Supply Co.
IRONTON—Central Hardware & Harness Co. (Belting, etc)
KENTON—Cantwell Hardware Co.
LANCASTER—Martens Hdwe. Co.
LIMA—Good Tool & Supply Co.
Jones Hardware Co.
MANSFIELD—Hughes Supply Co.
MARIETTA—Buckeye Supply Co.
Frick & Lindsay Co.
Seyler Hardware Co.
MARION—Haberman Hdwe. Co.
Oil Well Supply Co.
Producers Supply & Tool Co.
MILAN—Curtis Machine Co.
NEWARK—Universal Supply Co.
NEW PHILADELPHIA—Sharp Mfg. & Supply Co.
NORWALK—Gfell John H. & Co.
PIQUA—Angle Hardware Co.
Woodcox I. N. & Son
PORTSMOUTH—Hibbs Hardware Co.
Portsmouth Supply Co.
Standard Supply Co.
ST. MARYS—Jasperson Supply Co.
SALEM—Salem Hardware Co.
SANDUSKY—Rinkleff Geo. M.
SPRINGFIELD—Burton G. F. Co.
Lane, T. J. Equipment Co.
Springfield Hdw. Co.
Vulcan Hardware Co.
STEUBENVILLE—Petroleum Supply Co.
Steubenville Hdwe. & Supply Co.
Thomas & Co.
TIFFIN—Crobaugh & Dahm H'dware Co.
Webster Hdwe. Co.
TOLEDO—Auburndale Hardware Co.
Bostwick-Braun Co.
Coghlin Machinery & Supply Co.
Hardy & Dischinger Co.
Heavy Hdwe. Co.
National Supply Co.
Ohio Plumbers' Supply Co.
Shaw Kendall Engng. Co.
Star Hardware & Supply Co.
Standard Sanitary Mfg. Co.
Stollberg Hardware & Paint Co.
Toledo Belting Co.
Toledo Rubber Co.
Toledo Saw & Supply Co.
Union Supply Co.
United States Rubber Co.
Wilcox M. I. Co.
UPPER SANDUSKY—Beidler F.
WARREN—Park Hdwe. Co.
Warren Hdwe. Co.
XENIA—Bocklett-King Co.
YOUNGSTOWN—Stambaugh Thompson Co.
Wilkins-Leonard Hardware Co.
ZANESVILLE—Clossman Hardware Co.
Rockel Co.

## OKLAHOMA.

BARTLESVILLE—Atlas Supply Co.
Bartlesville Supply Co.
Jarecki Mfg. Co.
Oil Well Supply Co.
CLEVELAND—Jarecki Mfg. Co.
Oil Well Supply Co.
U. S. Supply Co.
CLINTON—Welch Wholesale Hardware Co.
COMMERCE—Joplin Supply Co.
Quapaw Supply Co.
CUSHING—Oil Well Supply Co.
DRUMRIGHT—Continental Supply Co.
Frick-Reid Supply Co.
Jarecki Mfg. Co.
Oklahoma Tool & Supply Co.
EL RENO—El Reno Foundry & Machine Co.
ENID—Young J. A. Machine & Supply Co.
McALESTER—Russell Hdwe. Co.
Union Iron Works
MUSKOGEE—Atlas Supply Co.
Crane Co.
NOWATA—Nowata Hardware & Supply Co.
OKLAHOMA—Mideka Supply Co.
Boardman Co.
Corken Mchy. & Supply Co.
Crane Co.
Richards & Conover Hdwe. Co.
Sherman N. S. Machinery & Iron Wks.
Sherman N. S. Mchy. & Iron Co.
OKMULGEE—Oklahoma Tool & Supply Co.
PURCELL—Beringer Hardware Co.
SAPULPA—Bovaird Supply Co.
TAR RIVER—Joplin Supply Co.
TULSA—Bovaird Supply Co.
Frick-Reed Supply Co.
Hope Engng. Supply Co.
Oil Well Supply Co.
Oklahoma Iron Works
Oklahoma Tool & Supply Co.
United States Supply Co.
Wait A. L.

## OREGON.

ALBANY—Albany Iron Wks.
ASTORIA—Beebe Co.
BAKER—Basche-Sage Hardware Co.
GRANTS PASS—Grants Pass Hardware Co. (Also Mine)
Rogue River Hardware Co.
PORTLAND—Atkins E. C. & Co., 75 1st
Avery & Co., 48 3rd
Barde, M. & Sons
Beebe Co.
Clyde Equipment Co.
Crane Co.
Davis-Scott Belting Co., 108 Union
Eccles & Smith Co., 46 Front
Gauld Supply Co., 69-75 N 12th
Goodyear Rubber Co., 67 4th
Hammond Mfg. Co. (Also Mine), Kamm bldg
Honeymoon Hdwe. Co., 9th & Hoyt
Kline M. L. Co., 84 Front
Marshall Wells Hardware Co. (Also Mine), 15th & Lovejoy
Mitchell-Lewis & Staver Co., B'way & Everett
Northwestern Hdwe. & Steel Co.
Pacific Mill & Mine Supply Co.
Portland Iron Works, 14th & Northrup
Portland Machinery Co., 62-66½ 1st
Portland Marine Supply Co.
Ross J. J. Mill Furnishing Co. (Flour Feed and Cereal Mill; Also Grain Elevator Equipments)
Sharp H. W.
Simonds Mfg. Co., 85 1st
*See adv index at end of book*
Stewart Bros. Co.
U. S. Rubber Co. of Cal.
Western Supply Co., 61 First

## PENNSYLVANIA.

ALLENTOWN—Albright Son & Co.
Allentown Reed, Harness & Mill Supply Co.

PENNSYLVANIA—Allentown—continued
Bonney Vise & Tool Wks. Inc.
*See adv index at end of book*
Grammes L. F. & Sons
*See adv index at end of book*
Hersh F. Hardware Co.
Schelly C. Y. & Bro.
Taylor William H. & Co.
Young M. S. & Co.
ALTOONA—Altoona Pipe & Supply Co.
Standard Supply & Equipment Co. (Also Mine)
ASHLAND—Buck Peter E. & Sons (Also Mine)
BEAVER FALLS—Beaver Valley Mill Supply Co.
Brierly Frank F. & Sons
Davidson W. J. & Sons
Palmer Henry S. Supply Co.
Pettler P. & Son
BELLEFONTE—Potter-Hoy Hdwe. Co.
Bovaird & Co
BETHLEHEM—Krause J. S. Hardware Co.
BRADFORD—Bradford Supply Co.
Emery Hardware Co.
Oil Well Supply Co.
BUTLER—Campbell J. G. & W.
Keystone Pipe & Supply Co.
Oil Well Supply Co.
Spang & Co.
CHESTER—Galey Hardware Co.
Harper Mfg. Co.
Howland Wm. O.
Riley Benj. F.
Wetherill Robt. & Co.
CHICORA—Johnson C. H.
CLEARFIELD—Clearfield Machine Shops
Clearfield Hdwe Co.
Dufton Hardware Co.
Powell Wm. F.
COATESVILLE—Pownall Hardware Co.
CONNELLSVILLE—Connellsville Mfg. & Mine Supply Co.
CORRY—Barlow Hardware Co.
DANVILLE—Danville Hardware & Supply Co.
DUBOIS—Dubois Iron Works (Also Mine)
Hibner-Hoover Hdwe Co.
Osborn Machine Co.
EASTON—Crowder H. N., Jr., Co.
General Supply Co.
Losey & Co.
Macan Jr., Co.
Serfas Lumber Co. (Lumber only), Drake bldg
EAST STROUDSBURG — International Boiler Wks. Co.
ERIE—Coblentz Tool & Supply Co.
Erie Mfg. & Supply Co.
Jarecki Mfg. Co.
Mayer M. C. & H. E.
Palace Hardware House, 913 State
Saxer-Creider Mchy. Co.
Standard Sanitary Mfg. Co.
Stirling-Warfel Mill Supply Co.
Weller H. P. Supply Co.
FRANKLIN—Oil Well Supply Co.
Producers' Supply Co.
HARRISBURG—Appleby Bros. & Whitaker Co.
Gilbert Henry & Son, 219 Market
Mather E. Co.
HAZLETON—Hazleton Machinery & Supply Co. (Also Mine)
Fisher, Reichard & Todd
Hazleton Hdwe Co.
Woodring Jeremiah & Co. (Also Mine)
HUNTINGTON—Miller C. H. Hardware Co.
JOHNSTOWN—Swank Hardware Co.
KANE—Kane Supply Co.
Oil Well Supply Co.
KINGSTON—Roat A. J. Supply Co. (Also Mine)
LANCASTER—Cummings, Bevis & Levan
Herr & Co.
Raub Supply Co.
Reilly Bros. & Raub
Steinman Hdw. Co.
LATTIMER MINES—Lattimer Supply & Mchy Co.
LEBANON—Krause Geo. Hardware Co.
Lebanon Engineering & Supply Co.
MEADVILLE—Gill D. A.
Rhodes I. M. & Co.
Yonts C. W. Co.
MILTON—Buoy John Y. Co.
MUNCY—Sprout, Waldron & Co.
NEW BETHLEHEM—Anderson Hdwe Co.
NEW CASTLE—Dickson & Co.
Kirk Hutton & Co.
Smith C. E. Hardware Co.
NORRISTOWN—Quillman Benjamin Hdw. Co.
OIL CITY—Logan Robert
Oil Well Supply Co.
United Hdwe & Supply Co.
OSCEOLA MILLS—Stine S. B. (Mine)
PARKERS LANDING—Schenck Mfg. Co.
PATTON—Central Hdwe & Supply Co. (Also Mine)
PEN ARGYL—Correll R. S. (Also Mining)
PHILADELPHIA—Annear Wm., 57 N 2d
Arny C. W. & Son, Trenton & Somerset
Barwood Richards Mchy. Co.
Belfield H. Co. 435 N Broad
Billington Jas. H. Co., 113 Chestnut
•Billington Jas. H. Co. (Textile Mach.), 113 Chestnut
•Bond Chas. Co., 617 Arch
Brogan & Co., 810 Race
Brown D. P. & Co., 262 N 4th
Bullock C. K., 1357 Ridge av
Cherry Chemical Co., 1018 Callowhill
Consolidated Belting Co., 3108 Germantown av
Cox & Sons Co., 5th & Chestnut
Crane Co. (of Chicago) (Est. 1855), 245 Master
Cressman N. C. Co. (Mill, Mine & R. R.), Drexel bldg
Crozier R. J. Co. (R. R. Mill & Mine), North American bldg
Devitt Paul J., 1101 S 2nd
De Zouche, Hanson & Co., 14 N 5th (Also Mine)
Diamond Textile Machine Works, 1820 N 10th
Dodge Mfg. Co., 815 Arch
Dominion Asbestos & Rubber Co., 110 Walnut *See adv index at end of book*
Etsweiler Wm. (Leather, etc), 230 N 3d
Fairbank Co., 701 Arch
Fields Chas. J. Sons, 633 Market
Fifer & Beatty, Front st & Lehigh av
Ford & Kendig Co., 312 W 24th
Girard Mach. & Tool Co., 491 N 3d
Gold Walter C., 235 Race
Graton & Knight Mfg. Co., 132 N 3d
Haines, Jones & Cadbury Co., 1136 Ridge av
Hartman Co., 1231 N Front
Hayward S. F. & Co., 704 N 8th
Hitner's Henry A. Sons Co.
Hodson G. & A., 226 Arch
Hogan & Donnelly, 319 Vine
•Houghton E. F. & Co. ("Vim," "Houghton" Oak), 240 W Somerset
Hunter & Dickson Co., 241 Arch
Industrial Requirements Co., 136 Chestnut
Industrial Supply & Equipment Co., 407 Sansom
Jenkins Bros., 133 N 7th
Keep Bros., 225 Sansom
Kessel Henry A. Co., 12 N Delaware
Keystone Supply & Mfg. Co., 917 N 9th
Koons E. W. & Co. 911 Filbert
Kinkerter & Sheppard Co., 4669 Frankford
•Ladew Edw. R. Co. (Est. of), 14 S 3d
Latimer R. L. & Co., 24 N Front
Latta John S. Co., 1318 Arch
Levick's Richard Son & Co. (Rubber Belting, Hose, Packing, etc), 720 Chestnut
Lewis Steam Specialty & Valve Co., 260 N 11th
Lindsay James G. & Co., Commercial Trade bldg
MacLees Robt. Specialty House
Maddock & Co., 40 N 6th
•Main Belting Co., 1219 Carpenter
Maneely John, 309 Arch
Manning, Maxwell & Moore, Lincoln bldg
Manufacturers' Supplies Co., Juniper & Cherry
Mitchell F. A., 20th & Callowhill
Mitchell W. K. & Co. Inc., 2940 Ellsworth
Murta-Appleton & Co., 12th & Sansom
Nast D. Mchy Co., Bourse
Naumann Hdw. & Supply Co., 4324 Gtn av
O'Brien Mchy Co., 119 N 3rd
Pancoast Henry B. Co., 950 N Front
Paulus Jos. C. & Co., 2507 Potter
Pechin Belting Co., Orchard & Torsdle
Penn Engng Co., 1119 N Howard
Phila. Ship Supply Co., 2024 Passyunk
Phila. Steam Heating Co., Juniper & Cherry
Phillips F. R. & Sons Co., Penna. bldg
Potts Horace T. & Co., 316 W 3d
Powell Clouds & Co., 602 Arch
Powell, Clouds & Co. (Tools & Supplies), 602 Arch
Quaker City Rubber Co. (A full line; also Mfrs of "Daniel's P. P. P. and "Ebonite" Packings), 629 Market
Rainear C. J. & Co., 518 Arch
Restein Clement Co., 139 N 2d
•Rhoads J. E. & Sons (Leather, etc), 12 N 3d
Rich J. & G., 126 N 6th
Richards E. W. & Co., 2029 Frankford
Sachs Wm. A., Germantown av & Girard
Sanson & Rowlands, 505 Commerce
Savill's Thos. Sons, 1310 Wallace
Schade Valve Mfg. Co., 2528 N American
•Schieren Chas. A. Co., 226 N 3d
Suplee-Gochenaur Mfg. Co., Inc., 631 Arch
Shannon J. B. Hdw. Co., 816 Chestnut
Shannon J. Jacob & Co., 1744 Market
Sherritt & Stoer Co., Inc., 2006 Market
Shipley W. E. Mchy Co., Morris bldg
Shultz Belting Co., 149 N 4th
Smith Jas. & Co., 1820 N 10th
Snyder M. L. & Son, 223 Church
Spaulding & Metcalf, 532 Arch
Standard Supply & Equipment Co. (Also Mine), N W cor. Cherry & 13th
Swind Mchy Co., Widener bldg
Toomey Frank, 127 N 3rd
Vandyck Churchill Co., Widener bldg
Watt Francis & Co., 149 S Front
Webb E. & Sons Co., 136 S Front
Winterer Herman L., 908 Beach
Wolfenden Daniel (Textile), 232 Arch
PHILLIPSBURG—Gill Mfg. Co. (Mine)
PHOENIXVILLE—Benjamin Hdwe Co.
PITTSBURGH — Armstrong - Wolfe - Zimmerman Co., 1st & Market
Bailey Farrell Mfg. Co., 3rd av & Ross
Best Co., Arrott bldg
Biddle Purchasing Co., 546 2d av
Bowman Supply & Mfg. Co., Inc., 890 Main
Briggs Machinery Co., 238 2d av
Brown & Zortman Machinery Co., Union Arcade bldg
Burson H. W., Inc. (Also Mine), 123 Water
Carlin Machy. & Supply Co., 161 E Lacock
Carter R. K. & Co., 1201 Keenan bldg
Chandler-Boyd Supply Co., 47 Terminal Way
Childs H. L. & Co. (Also Mine), 249 Water
Colonial Supply Co. (Also Mine), 414 1st av *See adv index at end of book*
Contractors' Equipment & Supply Co., Oliver bldg
Contractors' Mchy & Supply Co., Wabash bldg
Demmler Bros. Co., 109 Ross
Dodge Mfg. Co., 337 2d av
Fairbanks, Morse & Co., 427 Alice
Flocker Jno. & Co., Ltd., 957 Liberty
Foster-Songer Co., Park bldg
FRICK & LINDSAY CO. (Also Mine Dealers), Sandusky & Robinson
*See adv index at end of book*
Frick-Reed Supply Co., Sandusky & Robinson
Garlock Packing Co., 100 Smithfield
Green L. A., First Natl Bk bldg
Harris Pump & Supply Co., 320 2d av
•Hartley-Rose Belting Co., 425 1st av
Heeren, Bras & Co., Penn & 8th
Hukill, Hunter Co., 35 Terminal Way
Industrial Supply Co., Jenkins Arcade bldg
Jarecki Mfg. Co., 311 First
Johnston "J. M. D." Morehouse & Dickey Co. (Also Mine), 106 Market
Kelly & Jones Co., 135 Water
Kirk Supply Co., Farmers' Bank bldg
Laughlin & Barney, Union Arcade
Lewis Engineering & Supply Co., Bakewell bldg
Lindsay J. C. Hardware Co., 12 8th
Logan-Gregg Hdw. Co., 121 9th
McCormick J. S. Co., 25th & A. V. R. R.
McDowell & Co., Galveston & Western
McKenna Brass & Mfg. Co., 1st & Ross
McKnight Samuel Hdwe Co., 225 Federal
Machinists Supply Co., 324 3d av
Manning, Maxwell & Moore, Inc., Park bldg
Miller J. S. Mchy Co., 3 Wood
National Supply Co., Union Bk bldg

Obermayer S. Co., 2835 Smallman
Oil Well Supply Co. (Also Mine), 215 Water
Penn Equipment Co. (Also Mine), Park bldg
Penn Mill & Mine Supply Co., 523 1st av
Phillips J. & H., 627 Liberty av
Phillips Mine & Mill Sup. Co., 2227 Jane
Pittsburgh Gage & Supply Co. (Also Mine), 30th & Liberty av
Pittsburgh Mchy & Equipment Co., Fulton bldg
Pittsburgh Mch & Supply Co., 242 3rd
Pittsburgh Piping & Equipment Co., 35th & Charlotte
Pittsburgh Supply Co.
Reineke-Wagner Pump & Supply Co., 416 First av
Rose Bassett Supply Co. (And Mine), 111 Market
Ross 1 Hardware & Plumbing Supply Co., 1810 Carson
Ross Mechanical Supply Co., 2 Ross
Somers, Fitler & Todd Co., 325 Water
Speck, Marshall Co., 314 2d av
Stamets Wm. K., Jenkins Arcade
Standard Sanitary Mfg. Co. Bessemer bldg
Standard Scale & Supply Co., 1631 Liberty av
*See adv index at end of book*
Standard Supply & Equip. Co. (Also Mine), 1207 Liberty av
Thompson Machinery Co., Union Arcade
Tranter Mfg. Co., 105 Water
Turner Chas. A. (Mill, Mine & Railroad Supplies), 3d av & Chancery
U. S. Rubber Co.
Universal Supply Co., 1st Natl. Bank bldg
Wilson & Daum Co., 14 Wood
Woodwell Jos. Co., 207 Wood
PLYMOUTH—Shawnee Supply Co.
POTTSTOWN—Fegely J. & Son
POTTSVILLE—Bright George Hardware Co.
Pottsville Supply Co. (Principally Mine)
Thompson Lewis C. Co.
PUNXSUTAWNEY—Brown Hardware Co.
Punxsutawney Fdry & Machine Co.
READING—Bard Hardware Co.
Berks Engineering Co.
Bright & Co.
Gretch Mch. Wks.
Hoff & Bro., Inc.
Reading Engineering Wks., 116 Washington
Reading Heater & Supply Co.
Stichter Hardware Co.
Tragle Mfg. Co.
Worley Hardware Co.
REYNOLDSVILLE—Herpel Bros.
RIDGWAY—Ridgway Mfg. Co.
ROUSEVILLE—Rouseville Supply Co.
SCRANTON—Bittenbender Co. (Mine)
*See adv index at end of book*

**The Bittenbender Co.**
*Stock Shipments*
**Mill and Factory Supplies**
**SCRANTON, PA.**

Case W. A. & Son Mfg. Co.
Gaylord & Butler Co.
Maloney Oil & Mfg. Co.
Potter L. B. & Co. (Also Mine)
Scott Chas. B. Co.
*Scranton Supply & Mach'y Co. (Also Mine)
SHAMOKIN—Hack W. C. Sons
Jones Hardware Co. (Also Mine)
SHARON—Fruit-Ohl Co. (Also Foundry & Blast Furnace Supplies)
SOMERSET—Schell P. A. & Co.
SUNBURY—Sunbury Supply Co.
TITUSVILLE—Kernochan & Co.
United Hardware & Supply Co.
TUNKHANNOCK—Billings Paul & Sons
UNIONTOWN—Uniontown Hdw. & Supply Co. (Also Mine)
WARREN—Bradford Supply Co.
Pickett Hdw. Co.
WEST NEWTON—Fisher Mine Equipment Co.
WILKES-BARRE—Eastern Penna. Supply Co.
Huntington Mchy. & Supply Co.
Lewis & Bennett Hardware Co.
WILLIAMSPORT—Keeler E. Co.
Kline & Co. (Also Mine)
National Foundry Mfg. & Supply Co.
Valley Iron Works
YORK—Duff William E. Co.
Mehring H. B. & Co.
Motter's Geo. F. Sons
Small P. A. & S. Co.

## RHODE ISLAND.

CENTRAL FALLS—American Supply Co.
EAST PROVIDENCE—Humes Mfg. Co.
PAWTUCKET—Blackstone Reed & Harness Co., 41 Bayley
Easton & Burnham Machine Co., Pine
Edmands Arthur B. Co., Slater av
Jackson Samuel Co.
Narragansett Mch. Co.
Thornley Supply Co.
Toole W. K. Co., 180 Main
PROVIDENCE—Allen & Reed, 178 Dorrance
*American Supply Co., 135 Washington
B. & H. Supply Co., 115 Mathewson
Barker, Chadsey & Co., 38 Westminster
Brown Bros. Co., 62 Exchange pl
Brownell Mchy. Co., 11 Eddy
Chase F. A. & Co., 253 W Exchange
Church, E. C. Co., 5 Eddy
Cole John W., Grosvenor bldg
Conlin J. C., 361 Washington
Eddy E. A. Mchy. Co., 211 Eddy
Fairbanks Co., 74 Mathewson
General Fire Extinguisher Co., 275 W Exchange
Gilbert Mill Supply Co., 50 Exchange pl
Gilbert & Tierney Supply Co., 50 Exchange pl
Hope Mill Supply Co., 31 Snow
Hope Rubber Co., 97 Westminster
Jager Chas. J. Co.
Knight Richard W. B., 169 Dorrance
Parkinson Edward Mfg. Co., 84 Sprague
Power & Grant, 33 Culver
Providence Mill Supply Co., 68 W Exchange
Rhode Island Covering Co., 104 S Water
Rhode Island Supply & Sprinkler Co., 156 W Exchange
Spencer Wilton H., 11 Exchange pl
Standard Mill Supply Co., 39 Exchange pl
Talcott W. O., 91 Sabin
Taylor Chas. F., 57 Weybosset
Tierney James E., 131 Washington
U. S. Mill Supply Co., 334 S Water
U. S. Oil & Supply Co., 334 S Water
Wilkinson E. De F. Co., 48 Exchange pl
WOONSOCKET—Darling C. H.
Farnum J. B. Co.
Getcheil Seth S. & Son
Mailloux J. C. & Sons Co.
Shambow Shuttle Co.
Woonsocket Machine & Press Co.
Woonsocket Supply Co.

## SOUTH CAROLINA.

ANDERSON—Anderson Hdwe. Co.
Sullivan Hdwe. Co.
BEAUFORT—Christensen N. & Sons
CHARLESTON—Bailey-Lebby Co.
Bird W. M. & Co.
Cameron & Barkley Co.
Charleston Dry Dock & Machine Co.
Franke C. D. & Co.
Luden J. J. W. & Co.
COLUMBIA—Columbia Supply Co.
Gibbes Machinery Co.
Lorick Bros.
Lorick & Lowrance
Southern States Supply Co.
GEORGETOWN—Kaminski Hardware Co.
GREENVILLE—American Machine & Mfg. Co.
Carolina Supply Co.
Greenville Textile Supply Co.
Poe Hardware & Supply Co.
HARTSVILLE—Hartsville Supply Co.
Mill Supply Co.
SPARTANSBURG—Montgomery & Crawford
Montgomery & Crawford
Palmetto Hdwe. & Supply Co.
SUMTER—Sumter Railway & Mill Supply Co.
WOODRUFF—Westmoreland W. B. Co.

## SOUTH DAKOTA.

ABERDEEN—Crane & Orway Co.
RAPID CITY—Duhamel Co.
Sweeney Tom Hardware Co.
SIOUX FALLS—Dakota Iron Store
Dempster Mill Mfg. Co.
Larson Hardware Co.
Plumbing Supply Co.

## TENNESSEE.

BRISTOL—Interstate Hdwe. & Supply Co.
Mitchell-Powers Hdwe. Co. (Also Mine)
CHATTANOOGA—Cantrell Fred Co., Inc.
Chattanooga Saw Works
James Supply Co.
Mills & Lupton Supply Co.
Rogers-Bailey Hardware Co.
Vance John C. Iron & Steel Co.
Wheland Co.
CLARKSVILLE—Elder-Conroy Hdw. Co.
CLEVELAND—Cleveland Machinery & Supply Co.
COVINGTON—Walker M. A. & Co.
HARRIMAN—Harriman Fdy. & Mach. Wks. (Mine)
JACKSON—Gooch-Edenton Hardware Co.
Southern Engine & Boiler Mfg. Co.
JELLICO — McComb Supply Co. (Also Mine)
JOHNSON CITY—Summers Hdw. Co.
KNOXVILLE—Crane Co.
House-Hasson Hardware Co. (Also Mine)
McClung C. M. & Co.
Savage W. J. Co. (Also Mine)
Tennessee Mill & Mine Supply Co.
MEMPHIS—Argill Bros. & Co.
Atkins E. C. & Co.
Browne & Borum Co.
Chickasaw Mch. & Fdry. Co.
Crane Co.
Ellis Wm. C. & Sons Iron Works
Memphis Mch. Wks.
Nelson N. O. Mfg. Co.
Pidgeon-Thomas Iron Co. (Railroads, etc)
*Reed & Duecker
Riechman-Crosby Co.
Standard Sanitary Mfg. Co.
Stratton-Warren Hdwe Co. (Also Railroad)
Towner & Co.
NASHVILLE—Bouchard John & Sons Co.
Case W. A. & Son Mfg. Co.
Dale John P. Machinery Co.
Keith, Simmons & Co.
Nashville Machine Co.
TULLAHOMA—Lawson T. D.

## TEXAS.

AUSTIN—Gossard A. R.
Heirman John & Son
BEAUMONT—Beaumont Iron Wks. Co.
Lucey Mfg. Corp. of Texas
Norvell-Wilder Hdwe. Co.
Oil Well Supply Co.
Texas Supply Co.
Wilson E. L. Hdwe. Co.
BROWNSVILLE—Valley Plumbing & Supply Co.
CORPUS CHRISTI—Caldwell E. H. & Son
San Antonio Mch. & Supply Co.
CORSICANA—American Well & Prospecting Co.
Oil Well Supply Co.
CUERO—Runge H. & Co.
DALLAS—Bradley Gin-Saw Files Co.
Briggs-Weaver Machinery Co.
Continental Gin Co.
Dallas Mill Supply Co.
Fairbanks, Morse & Co.
McGhee Rubber Co.
Murray Co.
Standard Sanitary Mfg. Co.
DENISON—Hall-Leeper Hardware Co
EL PASO—El Paso Foundry & Machine Co. (Also Mine)
Krakauer Zork & Moye's Successors (Also Mine)
Mine & Smelter Supply Co.
Momsen-Dunnegan-Ryan Co.
FORT WORTH—Axtell Co.
Barry-Wehmiller Mchy. Co.
Ft. Worth Well Mchy. & Supply Co.
McGhee Rubber Co.
Southern Trading Co.
Standard Sanitary Mfg. Co.
Texas Heavy Hdwe. Co.
Texas Mfg. Co.
GALVESTON—Black Hdwe. Co.
Shean Paul Co.
GOOSE CREEK—Girten Belting & Packing Co.

TEXAS—continued

HENDERSON—Teller E. J. & Son
HOUSTON—Barden Electric & Machinery Co.
**Bering-Cortes Hardware Co.**
Cameron-Davant Co.
Cotter G. F. Supply Co.
Girten Belting & Packing Co.
**Heitmann F. W. Co.**
Houston Mill Supply Co.
Keithly Co.
Lucey Corp. of Texas
National Supply Co.
Nelson N. O. Co.
Oil Well Supply Co.
**Peden Iron & Steel Co.**
Republic Supply Co.
Smith Howard & Co.
Southern Cons. & Mill Supply Co.
Southern Rubber & Belting Co.
Standard Sanitary Mfg. Co., Ahrens & Ott Div.
JEFFERSON—Meyer Eugene
Torrans Mfg. Co. (Also Mine)
KINGSVILLE—Kingsville Lumber Co.
**LUFKIN—Lufkin Foundry & Machine Co.**
MARSHALL—Hayes E. B. Mchy. Co.
MERCEDES—Rio Grande Hdwe. & Mchy. Co.
ORANGE—Sabine Supply Co.
PALESTINE—Dilley George E. & Son
**PARIS—Bettes H. S. Hardware Co.**
Collins & Moore
Dulaney W. F. & Sons
**SAN ANTONIO—Alamo Iron Works**
Peden Iron & Steel Co.
**San Antonio Foundry Co.**
**San Antonio Machine & Supply Co.**
**SHERMAN—Hardwick-Etter Co.**
Roberts, Sanford & Taylor Co.
SWEETWATER—Western Windmill Co.
**TYLER—Connally Walter & Co.**
**WACO—June D. Machinery Co.**
McGhee Rubber Co.
**McLendon Hardware Co.**
**Waco Machinery & Supply Co.**
WICHITA FALLS—Continental Supply Co.

## UTAH.

OGDEN—Lowe Geo. A. Co. (Also Mine)
**SALT LAKE CITY—Crane Co. (of Chicago), Est. 1855**
Fairbanks, Morse & Co.
**Gallgher Machinery Co.**
Landes & Co.
Mine & Smelter Supply Co.
Mountain States Rubber Co.
**Richmond F. C. Machinery Co.**
**Salt Lake Hdwe. Co. (Also Mine)**
Trent Engng. & Mchy. Co.
Utah Mchy. Co.

## VERMONT.

**BARRE—Phelps N. D. Co.**
Reynolds & Son
**Smith, Whitcomb & Cook Co.**
Trow & Holden Co.
BARTON—Seaver H. T.
BELLOWS FALLS—Field & Lawrence
Vermont Farm Machine Co.
BRANCHLAND—Howard Hdwe. Co.
Field & Lawrence
Howard Hdwe. Co.
BRATTLEBORO—Robins & Cowles
BURLINGTON—Blodgett G. S. Co.
Davis E. J. Mch. Wks.
Isham Hdwe. Co
Manson Hdwe. Co.
**Strong Hdwe. Co.**
DERBY LINE—Hunt R. J.
FAIRHAVEN—Norton Hdwe. Co.
NEWPORT—True & Blanchard
**MONTPELIER—Deming Hdwe. Co.**
Dwinell Hdwe. Co.
Peck Bros. Co.
RANDOLPH—Lamson J. H. & Sons
RUTLAND—Holmes Iron Co.
Lincoln Iron Works
Manning Mfg. Co.
Patch F. R. Mfg. Co.
**ST. JOHNSBURY—Hooker O. V. & Son**
SPRINGFIELD—La Fountain-Woolson Co.
Parks & Woolson Mach. Co.
STOWE—Miles McMahon & Son
WATERBURY—Smith & Somerville
WESTMINSTER STA.—Abenaque Mch. Wks.
WHITE RIVER JUNCTION—Shepard Co., Inc. (Pulleys), Belting, etc.

## VIRGINIA.

BRISTOL—Mitchell-Powers Hdwe. Co.
CHARLOTTESVILLE — Charlottesville Hdwe. Co.
EMPORIA—Emporia Mch. Co., Inc.
**LAWRENCEVILLE—Sledge & Barkley Co.**
**LYNCHBURG—Ainslie-Martin Co.**
Barker-Jennings Hdwe. Corp.
NEWPORT NEWS—Kessel Henry A. Co.
Reyner J & Son
Tidewater Supply Co.
Wilkins W. P. Co.
NORFOLK—Atlanta Supply Co., Inc.
Cory Herbert H.
Dominion Asbestos & Rubber Corp.
*See adv index at end of book*
**Empire Machinery & Sup. Corp.**
Lum Hdwe. & Plumbing Supply Co.
**Southern Supply Co. (Railroad & Steamboat)**
**Taylor-Parker Co. (Railroad & Steamboat)**
**Tidewater Supply Co.**
**Walke Henry Co. (Railroad, Mill & Steamboat)**
**Westbrook Jno. D., Inc.**
**Whaley W. M. & Co. (Also Steamboat)**
**White E. V. & Co.**
White Hdwe. Co.
Wilson J & R., Inc.
Winslow D. A. & Co.
**PETERSBURG—Appomatox Iron Works & Supply Co.**
**Leonard Chas. Hardware Co.**
**Stockdell Myers Hardware Co.**
Stratton & Bragg Co.
*See adv index at end of book*
PULASKI—Price Hardware Co. (Also Mine)
**Pulaski Hardware Co.**
RICHMOND—Eastern Coal & Export Corp.
Frischkorn Hunter B. (Railroad & Mine), 801 E Cary
Gordon Metal Co., 14th & Dock
Lindsay J. L., 1321 E Main
McGraw Jas., Inc., 1442 E Main
Morrison Co., Inc.
Smith Courtney Co.
Southern Asbestos Mfg. Co.
**Southern Railway Supply Co. (Railroad), 1323 E Main**
Starke Ashton
Sydnor Pump & Well Co., Inc.
Victoria Metal Co.
**Virginia Machinery & Well Co., 1319 E Main**
**ROANOKE—Nelson Hardware Co. (Also Mine)**
**Roanoke Hardware Co. (Also Mine)**
Roanoke Iron Wks.
**SALEM—Salem Foundry & Machine Works**
**SUFFOLK—Folk E. L. Co.**
Thomas Hdwe. Co.

## WASHINGTON.

ABERDEEN—Grays Harbor Hardware Co.
**Isaacson L. G. Co.**
**BELLINGHAM—Morse Hardware Co.**
Northwest Hdwe. Co.
**EVERETT—Agnew Hdw. Co.**
Bayside Iron Wks.
**Lloyd Co., The**
**Pacific Hardware Co. (Also Mine)**
**Sumner Iron Works**
Tolsma R. B.
SEATTLE—Adair Geo. B. & Son Co., 813 Western
**Atkins E. C. & Co., 510 1st av S**
Berger & Carter Co.
Biegert J. C. Mch. Wks.
Bowles Co., 107 Jackson
Brinkley Supply Co.
Broderick & Bascom Loggers Supply Co., 623 Western av
Campbell Hdwe. Co.
Clyde Equipment Co.
Cragin & Co., 932 1st av
Crane Co.
Curtiss Wm. M. Co., 5016 20th, N W
Ernst Hdwre. Co., 6th & Pike
Fairbanks, Morse & Co.
Gray Bros.
Hallidie Machinery Co., Smith bldg
Marine Supply Co.
Meese & Gottfried Co., 558 1st av S
Mill & Mine Supply Co., 317 1st
Moore Chas. C. & Co., Smith bldg
Moran Mfg. Co.
Pacific Mill & Mine Supply Co.
Perine Mchy. Co.
**Puget Sound Machinery Depot, 318 1st av S**
**Schwabacher Hardware Co., 1st S & Jackson (Also Mine)**
**Seattle Hardware Co., 501 1st av S**
Seattle Machine Works, 51 W Lander
**Simonds Mfg. Co., 402 Occidental av**
**Star Machinery Co., 1731 1st av S**
Steam Supply & Rubber Co., 79 W. Washington
Sunde & d'Evers Co.
Tolsma John B.
Union Machinery & Supply Co., 500 1st av S.
Vulcan Mfg. Co.
Western Hdw. & Metal Co., 1201 av S
Whiton Hdwe. Co.
**SPOKANE—Arnold-Evans Co.**
Averill A. H. Mchy. Co.
**Barnard Mfg. Co.**
Crane Co.
Fairbanks, Morse & Co.
General Mchy. Co.
Hofiers Ferris Equipment Co.
**Holley-Mason Hardware Co.**
**Jensen-King-Byrd Co.**
**McGowan Bros. Hardware Co.**
Marshall-Wells Co.
**Mitchell, Lewis & Staver Co.**
**Nott-Atwater Co.**
**Spokane Hardware Co.**
United Iron Wks.
United States Rubber Co.
Washington Mchy. & Supply Co.
TACOMA—Crane Co.
Doud-MacFarlane Machinery Co.
**Hunt & Mottett Co.**
Ruddy J. P. Co.
Sterling Mchy. Co.
Walsh & Gardner Co.
**Washington Machinery Depot**
WENATCHEE—Morris Hdwe. Co.

## WEST VIRGINIA.

**BLUEFIELD—Bluefield Hdw. Co. (Also Mine)**
**Superior Supply Co. (Also Mine)**
CAIRO—Oil Well Supply Co.
CHARLESTON—Baldwin Supply Co.
Capital City Supply Co. (Also Mine)
**Charleston Hdw. Co.**
Continental Supply Co.
**Goshorn Hardware Co.**
**South Side Fdry. & Machine Works (Also Mine)**
Virginian Electric & Machine Works (Mine)
CLARKSBURG—Continental Supply Co.
Hart Bros. Machine Co.
Oil Well Supply Co.
Osborn's J. F. Sons
**West Virginia Mine Supply Co.**
Williams Hardware Co.
ELKINS—Baldwin Supply Co.
FAIRMONT—Fairmont Mining Machy. Co.
**Jacobs-Hutchinson Hardware Co. (Principally Mining)**
**HUNTINGTON—Banks' Supply Co. (Also Mine)**
Branchland Supply Co.
**Miller Supply Co. (Also Mine)**
MORGANTOWN—Monongahela Supply Co.
MATOAKA—Miller Supply Co. (Mine)
PARKERSBURG—Mountain Iron Supply Co.
National Supply Co.
Oil Well Supply Co.
**Parkersburg Machine Co.**
Smith W. H. Hdwe. Co.
ST. MARY'S—Producers' Supply & Tool Co.
SALEM—Oil Well Supply Co.
SISTERVILLE—Jarecki Mfg. Co.
Oil Well Supply Co.
WESTON—Danser Mfg. & Supply Co.
WHEELING—Berry Chas. H. Supply Co.
**Ott-Heiskell Hardware Co.**
Sands H. S. Electric & Mfg. Co.
**Trimble & Lutz Supply Co. (Also Mine)**
WILLIAMSON—Persinger Hdwe. & Furniture Co.

## WISCONSIN.

APPLETON—Appleton Car Mover Co., 547 Eldorado
Schlafer Hardware Co.
Tesch William
ASHLAND—Bretting C. G. Mfg. Co.
EAU CLAIRE—Hobbs W. H. Supply Co.
FOND DU LAC—Dallman & Cooper Supply Co.
GREEN BAY—Fontaine B. Hardware Co.
Morley-Murphy Hdwe. Co.
Murphy Supply Co.
JANESVILLE—Ambrose F. O.
Bicknell Mfg. & Supply Co.
LA CROSSE—Kroner Fred Hardware Co.
La Crosse Plumbing Supply Co.
Roosevelt W. A. Co.

Tausche Vincent Hardware Co.
MADISON—Haak Wm. Jr.
Pepper J. W.
Wiedenbeck-Dobelin Co.
Wisconsin Fdry & Mch. Co.
MANITOWOC—Richards H. C.
Worel Hdwe. Co.
MARINETTE—Westlund August
MILWAUKEE—American Machinery Co., 103 W Water
Badger Belt & Rubber Co.
Badger-Packard Machy. Co., 133 W Water
Bayley Heating & Supply Co., 131 Sycamore
Downey Heating & Supply Co., 615 Clybourn
Factory Equipment Co., 122 W Water
Federal Mchy. Sales Co., 212 Sycamore
Frankfurth Wm. Hdwe. Co., 119 W Water
Goodyear Rubber Co., 380 E Water
Gross Philip Hardware Co., 218 3rd
Hoffman B. Mfg. Co., 257 6th
Hoffmann & Billings Mfg. Co., 100 2d
Kappen F. H. & Son, 03 W Water
Kramer W. J. Oil Co., 216 Reed
*Milwaukee Leather Belting Co., 146 W Water
McNally C. W. Co., 119 W E Water
National Belting & Salvage Co., 600 E Water
Pritzlaff John Hardware Co., 51 W Water
Rom Robt. Co., 1023 St. Paul av
Rundle-Spence Mfg. Co., 63 2nd
Suelflohn & Sufeld, 45 2d
Trostel A. & Sons Co., 612 Commerce
United States Rubber Co., 41 Oneida
Walsh M. J. Mchy. Co., 141 Sycamore
Western Iron Stores Co., 145 W Water
Wisconsin Machinery & Mfg. Co., 51st & Burnham
NEENAH—Krueger Wm. Co.
Leavens Frank A. (Paper Mill)
OSHKOSH—Battis Bros.
Clough & Co.
Hay Hardware Co.
RACINE—Badger-Packard Mchy. Co.
Burnham W. S. & Sons
Greene F. J. Engineering Works
Hoernel Hardware Co.
Langlois Co.
RHINELANDER—Lewis Hardware Co.
Rhinelander Iron Co.
Wood T. C. Hardware Co.
SHEBOYGAN—Geele F. Hardware Co.
Koepsell J. J. Co.
SUPERIOR—Duplex Mfg. Co.
WAUSAU—Murray D. J. Mfg. Co.

### WYOMING.

CASPER—National Supply Co.
Oil Well Supply Co.
CHEYENNE—Arp & Hammond Hdwe. Co.
Roedel Frank A.
SHERIDAN—Diefenderfer--Dinwiddie Co.

## 9756—Millers (Oil Grooving)

Fischer Machine Co., 310 N 11th, Phila., Pa.

## 9756a— Milliameters

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Weston Electrical Instrument Co., Waverly pk, Newark, N. J.

## 9757—Mills (Adjustable, Hollow)

See also Mills, Hollow

Cleveland Twist Drill Co., 1 E 49th, Cleveland. O.
Geometric Tool Co. ("Geometric"), New Haven, Conn.
Modern Tool Co. (Hollow Milling Tools), 300 State, Erie, Pa.
*See adv index at end of book*
Morse Twist Drill & Machine Co., New Bedford, Mass.
Rogers John M. Works, Gloucester City, N. J.
Standard Tool Co., 6900 Central av, Cleveland. O.

## 9758— Mills (Alfalfa)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Pecos Valley Alfalfa Mill Co.
Superior Mfg. & Mill Co., Springfield, O.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.
Wilson Bros., Easton, Pa.
*See adv index at end of book*
Wolf Co. ("Wolf"), Chambersburg, Pa.

## 9759— Mills (Attrition)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Abbe Paul O., 30 Broad, New York
Barnard & Leas Mfg. Co. ("Hercules," "Sovereign"), Moline, Ill.
Bauer Bros. Co., Bauer bldg, Springfield, O.
Blymer Iron Works Co., Cincinnati, O.
Brown A. & F. Co., 79 Barclay, New York.
Buckeye Iron & Brass Works, Dayton, O.
Engelberg Huller Co. ("Halstead"), Syracuse, N. Y.
Excel Mfg. Co., Pottersville, N. J.
Gump, B. F. Co., 431 S Clinton
Holmes & Blanchard Co., 31 State, Boston, Mass.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Munson Mill Machinery Co., Utica, N. Y.
Robinson Mfg. Co. ("Unique"), Muncy, Pa.
Sprout, Waldron & Co. ("Monarch"), Muncy, Pa.

## 9760— Mills (Ball Porcelain)

Abbe Paul O. ("Abbe"), 30 Broad, New York

## 9761—Mills (Ball & Pebble)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Abbe Paul O., 30 Broad, New York
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Alsing J. R. Co. (Tube), 75 Guernsey, Bklyn, N. Y.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Braun-Knecht-Heimann Co. (Laboratory), 576-584 Mission, San Francsico, Cal.
Centralized Ball Mill Co., Monadnock bldg
Chalmers-Williams Mfg. Co. (Or Tube Patent Adjustable Quick Discharge for Wet Mills), 1461 Arnold, Chicago Heights, Ill.
Colorado Iron Works Co., Denver, Colo.
Crossley Machine Co., State & Chestnut av, Trenton, N. J. *See adv index at end of book*
Day J. H. Co., Cincinnati, O.
Denver Engineering Works Co. (Tube Mills), Denver, Colo.
Eccleston Machinery Co. (Periphery Discharge Wet or Dry Grinding), Los Angeles, Cal.
**FALK CO.,** ft 30th, Milwaukee, Wis.
*See adv index at end of book*
Fuller-Lehigh Co. ("Fuller-Lehigh"), Fullerton, Pa. *See adv index at end of book*
Hallidie Co. (Tube Mills for Wet or Dry Grinding), Spokane, Wash.
*See adv index at end of book*
Hardinge Conical Mill Co., 120 Broadway, New York
Hassell Iron Works Co., Colorado Springs, Colo.
**KENNEDY VAN SAUN MFG. & ENG. CORP.** (Wet Grinding Tube, etc.), 120 Broadway, New York
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Mine & Smelter Supply Co. ("Marcy" Ball), 42 B'way
Patterson Foundry & Machine Co. (Flint, Flour-spar, Quartz, Silex, etc), East Liverpool, O.
Prosser T. & Son ("The Krupp" Imp.), 15 Gold, New York
Smidth F. L. & Co., 50 Church, New York
Stearns-Roger Mfg. Co., Denver, Colo.
**THORPP'S JOHN E. SONS CO.** (Pebble & Tube Only), ft of Lewis, Trenton, N. J. *See adv index at end of book*
Townsend Foundry & Machine Shop Co. (Ball), Broadway & Rensselaer, Albany, N. Y. *See adv index at end of book*
**TRAYLOR ENGINEERING & MFG. CO.,** Allentown, Pa.
*See adv index at end of book*
Walker Mfg. Co., Denver, Colo.
William A. Iron Works Co., 3309 Blake, Denver, Colo.
Worthington Pump & Machy Corp., 115 B'way, New York
*See adv index at end of book*

## 9762— *Mills (Bar)

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*


# BAR MILLS

COMPLETE INSTALLATIONS.

**Treadwell Engineering Co.**

EASTON, PENNA.


## 9763— Mills (Bark)

See also Grinders, Edging

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Abbe Paul O., ("Grinding Annus, etc"), 30 Broad, New York
Barry & Zecher Co. ("Eureka"), Lancaster, Pa.
Bartley Wm. & Sons ("Shultis" Sectional), Bartley, N. J.
Bauer Bros. Co., Bauer bldg, Springfield, O.
Fyster, Weiser & Co. (Ltd.), York, Pa.
Horn Wm. H. & Bro., 451 N 3d, Phila., Pa.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Ott Benj. & Sons Co. ("Ott's" Bark Shaving), La Crosse, Wis.
Shapley & Wells, Binghamton, N. Y.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.
Turner Tanning Mach'y Co. ("Turner" Disc Type), Peabody, Mass.
Waterville Foundry & Mfg. Co., Waterville, N. Y.
Williams Patent Crusher & Pulverizer Co., 813 Montg, St. Louis, Mo.

## 9764— Mills (Barley)

Barnard & Leas Mfg. Co., Moline, Ill.
Wilson Bros., Easton, Pa.
*See adv index at end of book*
Wolf Co., Chambersburg, Pa.

## 9765— Mills (Billet)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh - Hemphill Co. (Reversing, Blooming or Roughing), ft. of 12th, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**MORGAN ENGINEERING CO.,** Alliance, Ohio *See adv index at end of book*
National Roll & Foundry Co., Avonmore, Pa.
Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*

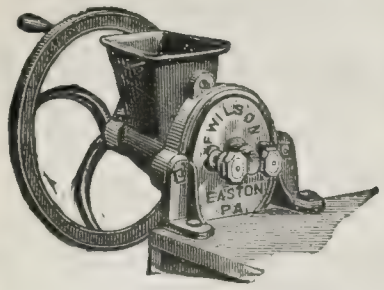
## 9766— Mills (Blooming)

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**MORGAN ENGINEERING CO.,** Alliance, O.
*See adv index at end of book*
Philadelphia Roll & Machine Co., 25th & Washington av, Phila., Pa.
**TREADWELL ENGINEERING CO.,** Easton, Pa *See adv index at end of book*

## 9767— Mills (Bone & Shell)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Abbe Paul O., 30 Broad, New York
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Bauer Bros. Co., Bauer bldg, Springfield, O.
Bayley Wm. Co. ("Bayley" Hand Bone), Springfield, Ohio
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York.
Campbell P. F., 51 Laurel, Phila., Pa.
Dempwolf C. H. & Co., York, Pa.
Ertel Geo. Co., Quincy, Ill.
Excel Mfg. Co., Pottersville, N. J.
Flynn & Emrich Co., 305 N Holliday, Baltimore, Md.

# WILSON CELEBRATED MILLS




Dry Bone, Shell and Grain Mills

Green Bone Cutters

Farm Feed Mills

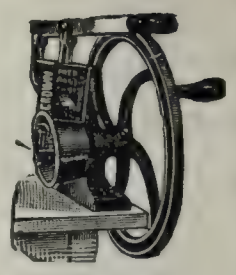
Phosphate Mills

Clover Cutters

and Feed Mixers

Hand and Power Sizes

*Send for Catalog and Prices*



Est. 1879

**WILSON BROTHERS** Sole Mfgrs., **EASTON, PA., U. S. A.**


MILLS (BONE & SHELL)—continued

**Freeman Mfg. Co.,** ("Freeman" Hand Bone), Racine, Wis.
Gray Iron Casting Co. (Dry Bone Grinders), Springfield, Ohio
Hobart Mfg. Co. ("Hobart" Electric & Gasoline), Troy, Ohio
**Holmes & Blanchard Co., 31 State, Boston, Mass.**
Humphrey & Sons, Joliet, Ill.
**Jeffrey Mfg. Co., 961 N 4th, Columbus, O.**
*See adv index at end of book*
Mann F. W. Co. ("Mann's"), Milford, Mass.
Messinger Mfg. Co. (Hand Bone), Tatamy, Pa.
Miller L. J. ("Nonpareil" Bone), 1223 Harrison av, Cincinnati, O
Mountville Mfg. Co. ("Reliable" Hand Bone), Mountville, Pa.
**Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.**
**Pratt Wm. E. Mfg. Co. ("Adams"), 35 W Lake, Chicago, Ill.**
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sackett A. J. cor 4th av & 1st, Baltimore, Md.
Standard Bone Cutter Co., Milford, Mass.
Stearns E. C. & Co. ("Mann's Improved") ("Stearns"), 450 Oneida, Syracuse, N. Y.
Stover Mfg. & Engine Co. ("Stover"), **Freeport, Ill.**
Stratton Mfg. Co. ("Dandy"), Erie, Pa.
Williams Patent Crusher & Pulverizer Co., 813 Montg, St. Louis, Mo.
**WILSON BROS.** (Hand & Power Bone), Easton, Pa. *See adv index at end of book*

## Mills (Boring & Turning, Vertical)

See Boring & Turning Machines, Vertical

## 9768— Mills (Brass Cinder)

Sly W. W. Mfg. Co., 4700 Train av, Cleveland, Ohio
**STANDARD EQUIPMENT CO.,** 184 Church, New Haven, Conn.

## 9769— Mills (Buhr Stone)

**Barnard & Leas Mfg. Co. (French Buhr), Moline, Ill.**
**BARTLETT C. O. & SNOW CO.** (Vertical & Horizontal), Fall st, Cleveland, O.
*See adv index at end of book*
Blymyer Iron Works Co., Cincinnati, Ohio
Campbell P. F., 51 Laurel, Phila., Pa.
Crossley Machine Co., State & Chestnut av Trenton, N. J. *See adv index at end of book*
**Ehrsam J. B. & Sons Mfg. Co. (Vertical), Enterprise, Kans.**
**Holmes & Blanchard Co., 31 State, Boston, Mass.**
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
**New Winona Mfg. Co. ("Diamond" French), Winona, Minn.**
Nordyke & Marmon Co. (All Kinds), Kentucky av & Morris, Indianapolis, Ind.
**Patterson Foundry & Machine Co., East Liverpool, O.**
**Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.**
Simpson-Orville Co., Cincinnati, Ohio
Sprout Waldron & Co. ("Monarch," All Kinds), Muncy, Pa.
Starr B. F. Co. (For Flour & Corn Mills), 445 Guilford av, Baltimore, Md.
Walker & Elliott, Wilmington, Del.

## Mills (Car Wheel Boring)

**See Boring Machines, Car Wheel**

## 9770—Mills (Charcoal Grinding)

Abbe Engineering Co., 216-224 B'way, New York. *See adv index at end of book*
Abbe Paul O., 30 Broad, New York
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York
**Jeffrey Mfg. Co., 961 N 4th, Columbus, O.**
*See adv index at end of book*
**Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.**
Sprout, Waldron & Co., Muncy, Pa.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
**Wilson Bros., Easton, Pa.**
*See adv index at end of book*

## 9771— Mills (Chaser)

**American Clay Machinery Co., 8 Walnut,** Bucyrus, O *See adv index at end of book*
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
**THROPP'S JNO. E. SONS CO., ft of Lewis,** Trenton, N. J.
*See adv index at end of book*

## 9772— Mills (Chilian)

Allis-Chalmers Mfg. Co. (Pulverizing), Milwaukee, Wis.
**Currier Cyrus & Sons, 365 Market, Newark,** N. J.
Hallidie Co. (Slow Speed), Spokane, Wash.
*See adv index at end of book*
Lane Mill & Machinery Co., Los Angeles, Cal.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
**WELLMAN-SEAVER-MORGAN CO.** ("Akron"), Cleveland, O.
*See adv index at end of book*
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## 9773— Mills (Chlorination)

Worthington Pump & Machy Corp., 115 B'way, New York
*See adv index at end of book*

## 9774—Mills (Cider & Cider Presses)

Ames Plow Co., Quincy Hall, Boston, Mass.
American Seeding Machine Co. ("Buckeye" Mills), Springfield, Ohio
Cutaway Harrow Co., Higganum, Conn.
**DUNNING & BOSCHERT PRESS CO.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**Eagle Machine Co.** (Presses), Lancaster, O.
Enterprise Mfg. Co. of Pa. (Fruit, Wine & Jelly Presses "Enterprise"), 3d & Dauphin, Phila., Pa.
Farquhar A. B. Co. (Ltd.), (Mills & Hydraulic Presses), York, Pa.
Freeman Mfg. Co., Racine, Wis.
**Greenville Implement Co., Greenville, Mich.**
Hench & Drongold Co., York, Pa.
Hydraulic Press Mfg. Co. (Hydraulic Presses), Mount Gilead, O.
*See adv index at end of book*
Kelso & Co. (Presses), 559 W Quincy, Chicago, Ill.
Keystone Machine Co., York, Pa.
Lansing Co. (& Lard), Lansing, Mich.
Standard Metalwork Co., Thompsonville, Conn.
Thomas Albright Co. (Hydraulic Presses), Goshen, Ind.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
White's S. R. Sons ("Valley Chief") Norfolk, Va.

## Mills (Cinder)

**See Mills, Water Cinder**

## 9775— Mills (Cocoa)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Bauer Bros. Co., Bauer bldg, Springfield, O.

## 9776—Mills (Coffee or Spice)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Angildile Computing Scale Co., Elkhart, Ind.
Arcade Mfg. Co. ("Crystal" & 70 Other Varieties of Family Coffee Mills), Freeport, Ill.
Bauer Bros. (Spice Only), Bauer bldg, Springfield, O.
Bay Gottfried, 537 W 50th, New York
Brecht Co. ("Brecht" Spice), 1201 Cass av, St. Louis, Mo.
Brown A. & F. Co. ("Cogswell," for Spices Only), 79 Barclay, New York.
Burns & Sons, Jabez (Grinders & Roasters), 600 W 43rd, New York
Campbell P. F. (Grocers' & Horse Power) 51 Laurel, Phila., Pa.
Clawson Mach. Co., Flagtown, N. J.
Coles Mfg. Co. (Hand & Electric), 1625 N 23d, Phila., Pa.
Computing Scale & Fixture Co., 303 E 4th, Cincinnati, O.
Crescent Mfg. Co. ("Crescent" Box & Wall), Louisville, Ky.
Deer A. J. Co. (Electric Coffee), Hornell, N. Y.
Electric Cut Mfg. Co. (Coffee Mills), Canton, O.
Enterprise Mfg. Co. (of Pa.), ("Enterprise" Hand & Electric Power), 3d & Dauphin, Phila., Pa.
Geddes James & Co. (Electric Coffee), 353 Market, San Francisco, Cal.
Hobart Mfg. Co. ("Hobart" Electric & Gasoline Coffee Mills), Troy, O.
Holwick B. C., Canton, O.
Howe Scale Co. (Electric), Rutland, Vt.
Huntley Mfg. Co., Silver Creek, N. Y.
Landers, Frary & Clark ("Crown," "Universal" & "Regal" Coffee Mills), New Britain, Conn.
Lane Bros. Co. ("Swift" Electric), Poughkeepsie, N. Y.
Master Cutter Mach. Co., North av, Oakley, Cincinnati, O.
Mirroscope Co. ("Household," "Monitor," "None Such"), 168th & Waterloo, Cleveland, O.
National Specialty Mfg. Co., Lehigh av & 3d, Phila., Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Parker Chas. Co. (Store & Household use), Meriden, Conn.

# ABBÉ ENGINEERING CO.

# PULVERIZING MACHINERY

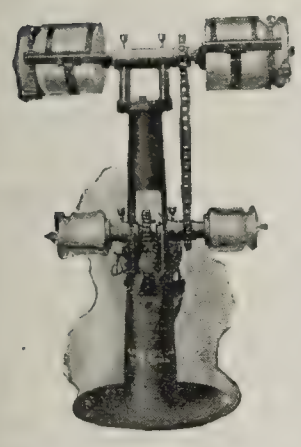
## PRODUCTS

| | |
|---|---|
| Ball Mills | Disintegrators |
| Pebble Mills | Rotary Cutters |
| Jar Mills | Filter Presses |
| Laboratory Mills | Bolting Cloth |

*See Announcement of Beach-Russ Co. for Vacuum Pump and Pressure Blowers*

## INQUIRIES

When making inquiries it will greatly facilitate matters if the following information is given: (1) Material to be reduced; (2) How coarse it will be when fed; (3) Fineness of finished product; (4) Capacity per hour; (5) Whether wet or dry; (6) If electric motor drive is desired, the current characteristics should be given.

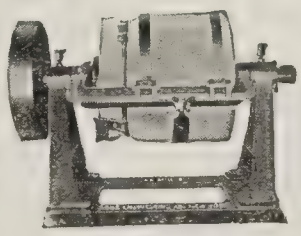


**Combination Laboratory Mill.**

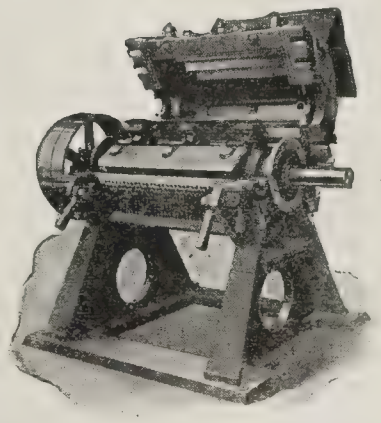
### ABBÉ LABORATORY MILLS

These machines are equipped with high quality porcelain jars and are particularly suited for pulverizing small quantities of material and are used extensively in testing laboratories.

They are built with any number of jars and for motor drive if desired.



**Single Jar Mill**

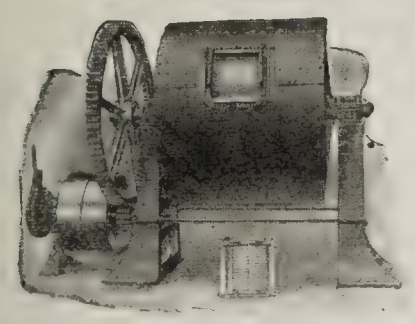


**Showing Cutter Open**

### ABBÉ ROTARY CUTTER

This machine consists of a number of revolving knives which rotate in a casing carrying stationary knives. The material is fed through a hopper, is cut up by the knives and is discharged through a screen at the bottom which regulates the fineness.

The Abbé cutter is used for such materials as: Drugs, dyewood, corn, hay, paper, straw, rags, rubber, spices.



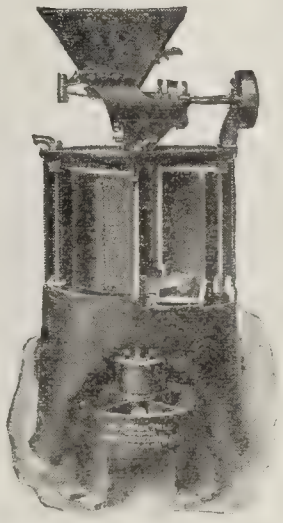
**Abbé Pebble Mill**
**(Patented)**

### ABBÉ PEBBLE MILL

For pulverizing and mixing (wet or dry) various kinds of material. Require no skilled labor and will operate for years without repairs.

These mills are equipped with either silex, porcelain, cast iron, steel or wood linings. Either porcelain, iron or steel balls or flint pebbles are used as a grinding medium.

A few of the materials that can be ground in these mills are as follows: Aniline Colors, Barytes, Enamel, Feldspar, Silica, Coal, etc.



### ABBÉ IMPROVED "MAX" MILL OR DISINTEGRATOR

This mill is particularly useful for granulating and pulverizing soft or medium hard materials which are non-abrasive. The fineness of the finished product is regulated by a readily interchangeable screen.

Some of the materials ground in the "Max" mill are: Alum, bone charcoal, chemicals, colors, gums lime, ochre, rosin, salt, sugar and spices.

## ABBÉ ENGINEERING COMPANY

216-224 BROADWAY
NEW YORK

Telephone Cortlandt { 54 55 56

Cable Address "Mabbe"

MILLS (COFFEE OR SPICE)—continued

**Ross Chas. & Son Co. (Spice), 148 Classon av, Brooklyn, N. Y.**
**Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.**
**Smith's Jno. E. Sons Co. (Spice Mills), Buffalo, N. Y.**
**Steiner Mfg. Co. ("Steiner" Electric), 4100 N 21st, St. Louis, Mo.**
**Stimpson Scale & Electric Co. (Grocers' Hand & Electric Power), Northville, Mich.**
**Sun Mfg. Co. ("Sun" Family Coffee Mills), Columbus, O.**
**Troemner Henry, 911 Arch, Philadelphia, Pa.**
**Whitehurst R. W. Mfg. Corp., Norfolk, Va.**
**Williams Patent Crusher & Pulverizer Co.,** 813 Montgomery, St. Louis, Mo.
**Wilson Bros., Easton, Pa.**
*See adv index at end of book*
**Woodruff & Edwards Co. ("Elgin National"), Elgin, Ill.**
**Wrightville Hardware Co. ("Premier," "Peerless," "Perfect," "Queen," "Diamond," "Acme," "American Beauty" & "Brighton Star," all one pound Wall Mills; also "Colonial," "Brighton," "Sterling," "Excelsior," "Century," "L & S," Side Mills; "Brighton," "Domestic" & "Monarch" Hand or Power Spice & Corn Mills), Wrightsville, Pa.**

## 9777— Mills (Cold Rolling)

**Blake & Johnson Co. (For Flattening Wire), 1500 Thomaston av, Waterbury, Conn.**
*See adv index at end of book*
**Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.**
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**National Roll & Foundry Co., Avonmore, Pa.**
**Standard Machinery Co., Providence, R. I.**
Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*

## Mills (Concentrating)

**See Mills, Stamp**

## Mills (Conical)

**See Mills, Grinding & Crushing**

## 9778— Mills (Continuous)

**See also Rolling Mills, Continuous**

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 9779— Mills (Cork Grinding)

Abbe Paul O., 30 Broad, New York

## 9780— Mills (Corn & Cob)

**Abbe Paul O., 30 Broad, New York**
**Allis-Chalmers Mfg. Co. (Corn Mills), Milwaukee, Wis.**
**American Corn Mill Co., Winston-Salem, N. C.**
**Appleton Mfg. Co. ("American," "Tornado," "Cyclone"), Batavia, Ill.**
**Associated Mfrs. Co. ("Amanco"), Waterloo, Ia.**
**Baker Mfg. Co. ("Monitor"), Evansville, Wis.**
**Barnard & Leas Mfg. Co., Moline, Ill.**
**Barry & Zecher Co. ("B. & Z." "Eureka"), Lancaster, Pa.**
**BARTLETT C. O. & SNOW CO.,** Fall st., Cleveland, O. *See adv index at end of book*
**Bell C. S. Co. ("Omego" Power), Hillsboro, O.**
**Blymyer Iron Works Co., Cincinnati, O.**
**Bovee Furnace Works ("Four Burr"), Waterloo, Ia.**
**Bowsher N. P. Co. (Combination), South Bend, Ind.**
**Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York. Works: Elizabeth, N. J.**
**Burgess & Norton Mfg. Co. ("Kenyon" Corn Crushers), Geneva, Ill.**
**Challenge Co., Batavia, Ill.**
**Chapman H. L. Marcellus, Mich.**
**Cole R. D. Mfg. Co., Newman, Ga.**
**Dain Mfg. Co., Ottumwa, Ia.**
**De Loach Mill Mfg. Co., Bridgeport, Ala.**
**Duplex Mfg. Co. ("Jewell," "Superior"), Superior, Wis.**
**Duplex Mill & Mfg. Co. ("Kelly," "Duplex," 2 to 20 H. P.), Springfield, O.**
**Engelberg Huller Co., Syracuse, N. Y.**
**Excel Mfg. Co., Pottersville, N. J.**
**Excelsior Foundry Co., Belleville, Ill.**
**Freeman Mfg. Co., Racine, Wis.**
**Gade Bros. Mfg. Co. ("Rankin"), Iowa Falls, Ia.**
**Gray Iron Casting Co. ("Bayley"), Springfield, O.**
**Great Western Mfg. Co. (Corn Only), Leavenworth, Kans.**
**Gruendler Patent Crusher & Pulverizer Co. (Ear Corn), 928 Main, St. Louis, Mo.**
**Gump, B. F. Co., 431 S Clinton, Chicago, Ill.**
**Harriman Mfg. Co., Harriman, Tenn.**
**International Harvester Company of America (Inc.) ("International"), Harvester Building, Chicago**
**Jeffrey Mfg. Co., 961 N 4th, Columbus, O.**
*See adv index at end of book*
**Keystone Machine Co., York, Pa.**
**Kingston Milling Co. (Corn), Kingston, Ark.**
**Lafayette Corn Flour Mills, Lafayette, Ind.**
**Lassiter C. J., Raleigh, N. C.**
**Lennox Machine Co. ("Lennox"), 2558 W 16th, Chicago, Ill.**
**Letz Mfg. Co. ("Bull Dog" Combine), Crown Point, Ind.**
**Litchfield Mfg. Co., Waterloo, Ia.**
**Marseilles Works of Deere & Co. ("Advance," "Marseilles," "Workwell"), East Moline, Ill.**
**Miller L. J. ("Nonpareil"), 1223 Harrison av, Cincinnati, O.**
**Munson Mill Machinery Co. (Corn), Utica, N. Y.**
**New Holland Machine Co. ("New Holland"), New Holland, Pa.**
**New Williams Mill Co., Inc., North Wilkesboro, N. C.**
**New Winona Mfg. Co. ("Diamond," "Big Iowa"), Winona, Minn.**
**Nordyke & Marmon Co. ("Harrison"), Kentucky av & Morris, Indianapolis, Ind.**
**Perkins Wind Mill Co., Mishawaka, Ind.**
**Port Huron Engine & Thresher Co., Port Huron, Mich.**
**Robinson Mfg. Co. ("Iron Clad" Corn Ear Crusher), Muncy, Pa.**
**Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.**
**Rumely Leo Tractor Co. ("Rainbow"), La Porte, Ind.**
**Sandwich Mfg. Co. ("Reliance"), Sandwich, Ill.**
**Savage W. J. Co., Knoxville, Tenn.**
**Smalley Mfg. Co., Manitowoc, Wis.**
**Spartan Mfg. Co. ("Corn Belt"), Pontiac, Ill.**
**Sprout, Waldron & Co. ("Monarch," All Kinds), Muncy, Pa.**
**Squibb-Carter-Squibb Co., Lawrenceburg, Ind.**
**Starr B. F. Co. ("Star" Corn), Guilford av & Center, Baltimore, Ind.**
**Sterling Mfg. Co. ("Sterling"), Sterling Ill.**
**Stover Mfg. & Engine Co. ("Ideal," Power Mills), Freeport, Ill.**
**Straub A. W. Co. (Quaker City), 3741 Filbert, Phila., Pa.**
**Strong-Scott Mfg. Co. ("Northway" Power), 413 S 3rd, Minneapolis, Minn.**
**Superior Mfg. & Mill Co., Springfield, O.**
**Turner Mfg. Co. ("Simplicity"), Port Washington, Wis.**
**Union Fdry. & Machine Co. ("Union Giant"), Ottawa, Kans.**
**U. S. Wind Engine & Pump Co. (Ultimatum), Batavia, Ill.**
**Whitehurst R. W. Mfg. Corp. (Corn), Norfolk, Va.**
**Williams Patent Crusher & Pulverizer Co.,** 813 Montg., St. Louis, Mo.
**WILSON BROS.,** Easton, Pa.
*See adv index at end of book*
**Wolf & Co. ("Hercules," "Wolf," "Bison" & "Mammoth"), Chambersburg, Pa.**

## 9780a—*Mills (Corn & Graham)

**WILSON BROS.** (Hand & Power), Easton, Pa. *See adv index at end of book*

## 9708b—Mills (Cottonseed & Linseed (Grinding)

Abbe Paul O., 30 Broad, New York

## 9781— Mills (Cyanide)

**ABBE ENGINEERING CO.,** 216-224 Broadway, New York
*See adv index at end of book*
**Allis-Chalmers Mfg. Co. (Gold & Silver Mining), Milwaukee, Wis.**
**Arizona & Sonora Mfg. Co., Nogales, Ariz.**
**Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.**
**Denver Engineering Works Co., Denver,** Colo.
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*
**Moyle E. H. Engng. & Eqmpt. Co.,** ("Moyle"), 508 E 9th, Los Angeles, Cal.
**Traylor Engng. & Mfg. Co., Allentown, Pa.**
*See adv index at end of book*
**Worthington Pump & Machy Corp., 115 B'way, New York**
*See adv index at end of book*

## Mills (Disintegrating)

**See Disintegrators**

## 9782— Mills (Drug)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
**Abbe Paul O., 30 Broad, New York**
**Alsing J. R. Co., 75 Guernsey, B'klyn, N. Y.**
**Bauer Bros. Co., Bauer bldg, Springfield, O.**
**Bay Gottfried, 537 W 50th, New York**
**Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York**
**Campbell P. F., 51 Laurel, Phila., Pa.**
**Colton Arthur Co., 782 E Jefferson, Detroit, Mich.**
**Crossley Machine Co., State & Chestnut av, Trenton, N. J.**
*See adv index at end of book*
**Day J. H. Co., Cincinnati, O.**
**Enterprise Mfg. Co. of Pa., 3d & Dauphin, Phila., Pa.**
**Jeffrey Mfg. Co., 961 N 4th, Columbus, O.**
*See adv index at end of book*
**Landers, Frary & Clark, New Britain, Conn.**
**Lane Bros. Co. ("Swift"), Poughkeepsie, N. Y.**
**MEAD & CO., 19th & M. C. R. R., Detroit, Mich.**
**National Specialty Mfg. Co., 3d & Lehigh av, Philadelphia, Pa.**
**Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.**
**Parker Chas. Co., Meriden, Conn.**
**Patterson Foundry & Machine Co., E Liverpool, O.**
**Prosser Thos. & Son ("Krupp" Imp) 15 Gold, New York**
**Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.**
**Sprout, Waldron & Co., Muncy, Pa.**
**Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.**
**Straub A. W. Co., 3741 Filbert, Phila., Pa.**
**Waterville Fdry. & Mfg. Co., Waterville N. Y.**
**Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.**
**Wilson Bros. ("Assayers"), Easton, Pa.**
*See adv index at end of book*

## 9783—Mills (Dry Color Grinding)

Abbe Paul O., 30 Broad, New York

## 9784— Mills (Dye Stuff)

**Abbe Engineering Co., 216-224 B'way, New York** *See adv index at end of book*
**Abbe Paul O., 30 Broad, New York**
**Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York**
**Excel Mfg. Co., Pottersville, N. J.**
**Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.**
**Sprout, Waldron & Co., Muncy, Pa.**

## 9785— Mills (Emery Rock)

**Abbe Engineering Co., 216-224 B'way, New York** *See adv index at end of book*
**Abbe Paul O. (Grinding ), 30 Broad, New York**
**Sprout, Waldron & Co. ("Monarch"), Muncy, Pa.**

## 9786— Mills (End)

**See also Cutters, Milling**

**Barber-Colman Co., Rockford, Ill.**
**BECKER MILLING MACHINE CO.** (Spiral Fluted, etc.), Hyde Park, Mass.
**Brown & Sharpe Mfg. Co., Providence, R. I.**

Clark Mesker Co., 18511 Euclid av, Cleveland, O.
**CLEVELAND CUTTER & REAMER CO. THE,** 1619 Merwin av., Cleveland, O.
*See adv index at end of book*
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Cowles Tool Co., 2086 W 110th, Cleveland, O.
**Detroit Twist Drill Co., 555 Fort, Detroit, Mich.** *See adv index at end of book*
Fastfeed Drill & Tool Corp., 21 Murray, New York
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
International Machine Tool Co., Society for Savings Bldg., Cleveland, O.
Lincoln Twist Drill Co., Taunton, Mass.
**McCulloch A. P., Machine Co., 216 High, Boston, Mass.**
Morse Twist Drill & Machine Co. ("Morse" With Center Cut & With Spiral Flutes, etc), New Bedford, Mass.
**NATIONAL TOOL CO., Cleveland, O.**
*See adv index at end of book*
National Twist Drill & Tool Co. ("National," with Spiral Flutes, etc), Detroit, Mich.
Porter-Cable Machine Co. (Straight Shank), Syracuse, N. Y.
Pratt & Whitney Co. (Center Cut, Shell & Taper Shank), Hartford, Conn.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio
**Standard Tool Co. (Straight Fluted,** Spiral & Center Cut), 6700 Central av, Cleveland, O.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Union Twist Drill Co., Athol, Mass.
U. S. High Speed Steel & Tool Corp., ("Challenger"), 489 5th av, New York
Watervliet Tool Co., Inc., Albany, N. Y.

## 9787—Mills (Exhaust Tumbling)

Central Foundry Supply Co., P. O. Box 945, Columbus, O.
Dayton-Dowd Co. ("Reliable"), Quincy, Ill.

## 9788— Mills (Fanning)

American Grain Separator Co. ("X-L."), Erie & S E Essex, Minneapolis, Minn.
**Ames Plow Co., Quincy Hall, Boston, Mass.**
Belcher & Taylor Agric. Tool Co. ("Johnson"), Chicopee Falls, Mass.
Brinly Hardy Co., Louisville, Ky.
**Bristol & Gale Co. ("B & G"), 158 Carroll av, Chicago, Ill.**
**Buch's A. Sons Co. ("Pennsylvania"), Elizabethtown, Pa.**
**Cleland Mfg. Co. ("Cleland Special," "Expert"),** 280 Washington av, N, Minneapolis, Minn.
Dickey A. P. Mfg. Co. ("Dickey," "Improved Excelsior," "Little Giant," "Young Giant"), Racine, Wis.
Ferrell A. T. & Co. ("Clipper"), Saginaw, Mich.
Fosston-Carpenter Co. ("New Fosston"), St. Paul, Minn.
Foster & Williams Mfg. Co. ("Badger State"), Racine, Wis.
Freeman Mfg. Co. ("Centennial"), Racine, Wis.
**Genesee Valley Mfg. Co., Mt. Morris, N. Y.**
Harder Mfg. Co., Cobleskille, N. Y.
**Harriman Mfg. Co., Harriman, Tenn.**
**Hirsch Bros. ("Webber"), 267 Reed, Milwaukee, Wis.**
Huntley Mfg. Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co. ("Canton," "Clipper," "Eclipse," "Excelsior," "Farmers' Favorite," "Mt. Hood," "Peerless," "Perfection," "Racine"), Racine, Wis.
Kingman & Co., Peoria, Ill.
Linihan M. E., Kalamazoo, Mich.
Manson Campbell & Sons Co., Kansas City, Mo.
Marseilles Works of Deere & Co. ("Pease"), East Moline, Ill.
Messinger Mfg. Co., Tatamy, Pa.
Nagley Mfg. Co. ("Lyons"), Lyons, N. Y.
Owatonna Fanning Mill Co. ("Owatonna"), Owatonna, Minn.
Owens J. L. Co. ("Champion," "Dakota," "New Superior"), Fulton & S E Huron, Minneapolis, Minn.
Racine Implement Co. ("Belle City"), Racine, Wis.
Rumley Leo Tractor Co. ("Rainbow"), La Porte, Ind.
Success Seed Grader Co., Spokane, Wash.
Twin City Separator Co. ("Bonanza," "Hero," "Success"), 29th & Colfax av, S, Minneapolis, Minn.
Vaughn Mfg. Co., Morris, Minn.
Weber Mfg. Co., Rockton, Ill.

## 9789—*Mills (Fanning-Sieves & Screens)

**ERDLE PERFORATING CO.,** 181 York, Rochester, N. Y.
*See adv index at end of book*

## 9790-1—Mills (Feed Grinding)

Abbe Engng. Co., 216-224 B'way, New York
*See adv index at end of book*
Abbe Paul O., 30 Broad, New York
Aermotor Co., 2500 W 12th, Chicago, Ill.
Allis-Chalmers Mfg. Co. (Farm, Grist, Belt, Hand, Horse Powers, Sweep), Milwaukee, Wis.
Althouse-Wheeler Co., Waupum, Wis.
Appleton Mfg. Co. ("Appleton," "Hero," "American"), Batavia, Ill.
Associated Mfrs. Co., Waterloo, Ia.
Baker Mfg. Co., Evansville, Wis.
Barnard & Leas Mfg. Co. ("Barnard's" Ball Bearing, Belt Power, etc), Moline, Ill.
Bauer Bros. Co., Bauer bldg, Springfield, O.
Bayley Wm. Co., Springfield, Ohio
**BEACH-RUSS CO.,** 216-224 B'way, New York. *See adv index at end of book*
Bell C. S. Co. ("Power", "W. Lype", Ball Bearing), Hillsboro, Ohio
Blue Valley Mfg. Co., Manhattan, Kan.
Blymyer Iron Works Co., Cincinnati, Ohio
Bovee Furnace Works, Waterloo, Iowa
Bowsher N. P. Co. (Combination), South Bend, Ind.
Brinly Hardy Co., Louisville, Ky.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Brown A. & F. Co., 79 Barclay, New York.
Challenge Co. ("Challenge"), Batavia, Ill.
Chamberlain Machine Works, Waterloo, Ia.
Columbus Iron Works, Columbus, Ga.
Cooper A. A. Wagon & Buggy Co., Dubuque, Iowa
Currie Wind Mill Co., Topeka, Kans.
Dain Mfg. Co., Ottumwa, Iowa
Decatur Foundry, Furnace & Machine Co., Decatur, Ind.
Dempster Mill Mfg. Co., Beatrice, Neb.
Deshler Fdry. & Mch. Wks., Deshler, O.
Duplex Mfg. Co., Station "B," Superior, Wis.
Duplex Mill & Mfg. Co. ("Kelly," "Duplex" 2 to 20 H. P.), Springfield. O.
Dutton E. Q. & Co., Cato, N. Y.
Eagle Machine Co., Lancaster, Ohio
Elgin Wind Power & Pump Co., Elgin, Ill.
Eureka Fence Mfg. Co., Richmond, Ind.
Excel Mfg. Co., Pottersville, N. J.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Farmers' Cement Tile Machine Co., St. Johns, Mich.
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
Globe Co., Sheboygan, Wis.
Great Western Mfg. Co., Leavenworth, Kans.
Gray Iron Casting Co., Springfield, Ohio
Hamachek Frank ("Giant"), Kewaunee, Wis.
Harriman Mfg. Co., Harriman, Tenn.
Heebner & Sons, Lansdale, Pa.
Hercules Mfg. Co., Centerville, Iowa
Howell R. R. & Co., 31st av, Minneapolis, Minn.
International Harvester Company of America (Inc.), ("International", "Meadows Mills"), Harvester bldg, Chicago
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Kaestner & Hecht Co. (Inc.), 500 Throop, Chicago, Ill.
Kansas City Hay Press Co., Kansas City, Mo.
Keystone Machine Co., York, Pa.
Lansing Motor & Pump Co., Lansing, Mich.
Letz Mfg. Co., Crown Point, Ind.
Litchfield Mfg. Co., Waterloo, Iowa
Marseilles Works of Deere & Co., East Moline, Ill.
Martin M. R., St. Louis Park, Minn.
Messinger Mfg. Co., Tatamy, Pa.
Miller L. J., 1223 Harrison av, Cincinnati, O.
Moore, Given Co. ("Moore"), Spring Valley, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Munson Mill Machinery Co., Utica, N. Y.
New Winona Mfg. Co. ("Diamond"), Winona, Minn.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., Buffalo, N. Y.
Patch A. H., Clarksville, Tenn.
Perkins Wind Mill Co., Mishawaka, Ind.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Quick & Thomas Co., Auburn, N. Y.
Red Chief Mfg. Co. ("Red Chief"), Louisville, Ky.
Rippley Mfg. & Steel Boat Co., Grafton, Ill.
Roberts Thos., Springfield, O.
Robinson Mfg. Co., Muncie, Pa.
Rock Island Mfg. Co., Rock Island, Ill.
Romick Mill Furnishing Co., Niles, Ohio
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sandwich Mfg. Co., Sandwich, Ill.
Sharp L. C. Mfg. Co., Plattsmouth, Neb.
Silver Mfg. Co. (Sweep, Power), No. 256, Salem, O.
Simpson-Orville Co., Cincinnati, O.
Smalley Mfg. Co., Manitowoc, Wis.
Smith & Pomeroy Windmill Co. ("Eureka"), Kalamazoo, Mich.
Spartan Mfg. Co. ("Corn-Belt"), Pontiac, Ill.
Sprout, Waldron & Co. ("Monarch," All Kinds), Muncy, Pa.
Star Mfg. Co. (Sweep & Belt Power), New Lexington, Ohio
Starr B. F. Co. ("Star"), Guilford av & Center, Baltimore, Md.
Sterling Mfg. Co., Sterling, Ill.
Stover Mfg. & Engine Co. ("The Ideal," also with Horse Power Combined), Freeport, Ill.
Straub A. W. Co., 3741 Filbert, Phila., Pa.
Superior Mfg. & Mill Co., Springfield, Ohio
Swift Mfg. Co. ("Swift"), Waterloo, Iowa
Thornburgh Mfg. Co. (Triple Geared & Direct Acting Sweep), Bowling Green, Ohio
Turner Mfg. Co., Port Washington, Wis.
United Engine Co., Lansing, Mich.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Walraven Co. (The), 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*
Watts Mfg. Co., Jackson, Mich.
Williams Patent Crusher & Pulverizer Co., 813 Montg., St. Louis, Mo.
**WILSON BROS.,** Easton, Pa.
*See adv index at end of book*
Wisconsin Farm Implement Co. ("Wisconsin"), Beloit, Wis.
Wolf Co. ("Bowsher," "Jumbo," "Wolf" & "Tiger Combination"), Chambersburg, Pa.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
Worthington Pump & Mach'y Corp, 115 B'way, New York
*See adv index at end of book*
Ypsilanti Machine Works, Ypsilanti, Mich.

## 9792— Mills for Enamel

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Ross Chas. & Son Co. ("Eccentric"), 148 Classon av, Brooklyn, N. Y.

## 9793-4—Mills for Grinding Chemicals

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Gump, B. F. Co., 431 S Clinton, Chicago, Ill.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O
*See adv index at end of book*
**MEAD & CO.,** 19th & M C R R, Detroit, Mich.

## 9795— Mills (Glaze)

**ABBE ENGINEERING CO.,** 216-224 B'way New York *See adv index at end of book*
Abbe Paul O., 30 Broad, New York
American Clay Machinery Co. (Under Gear), S Walnut, Bucyrus, O.
*See adv index at end of book*

## 9796— Mills (Glue Grinding)

Abbe Paul O., 30 Broad, New York

## 9797—Mills (Grinding & Crushing)

See also Machinery, Pulverizing
**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Abbe Paul, O., 30 Broad, New York

MILLS (GRINDING & CRUSHING)—cont.

Acton John, 118 John, Brooklyn, N. Y.
American Clay Machinery Co. (Glaze & Color Grinding), S Walnut, Bucyrus, O. *See adv index at end of book*
**BARTLETT C. O. & SNOW CO.,** Fall st., Cleveland, O. *See adv index at end of book*
Bauer Bros. Co., Bauer bldg, Springfield, O.
Bay Gottfried 537 W 50th, New York
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Braddock Manufacturing Co., Braddock, Pa.
Bradley Pulverizer Co. ("Griffin," "Bradley Three Roll," "Bradley Hercules" for grinding only), 92 State, Boston, Mass.
Brainard Pulverizer Co., Old Colony bldg., Chicago, Ill.
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York.
Campbell P. F. (For Drugs, Fertilizers, Whiting, etc), 51 Laurel, Phila., Pa.
Carey Samuel (Salt), 17 State, New York
Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
Crossley Machine Co., State & Chestnut av, Trenton, N. J
*See adv index at end of book*
Day J. H. Co. ("Day's Little Giant Salt" for Soft Ores, Clays, Dry Colors, etc.), Cincinnati, O.
Denver Engineering Works Co., Denver, Colo.
Excel Mfg. Co., Pottersville, N. J.
**FALK CO.,** ft. 30th, Milwaukee, Wis. *See adv index at end of book*
Fuller-Lehigh Co. ("Fuller-Lehigh" for Cement, Ore, Rock, etc.), Fullerton, Pa.
Gray Iron Casting Co., Springfield, O.
Gump B. F. Co. (Flour, Drug, Chicory, etc.), 43 S Clinton, Chicago, Ill.
Hardinge Conical Mill Co. (Conical), 120 Broadway, New York
Ivens Wm. H. Sons Co. (for Terra Cotta, Pottery & Marble Workers, for Grinding Only), P. O. Box 647, Trenton, N. J.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Kaestner & Hecht Co. (Inc.), (Portable), 500 Throop, Chicago, Ill.
Kent Machine Works, 39 Gold, Brooklyn, N. Y.
Kent Mill Co., 10 Rapelyea, Brooklyn, N. Y.
Lane G. W. & C. A., Exeter, N. H.
**MACHINERY SALES CO.,** Old Colony bldg, Chicago, Ill. *See adv index at end of book*
Marathon Mill & Machy. Wks. ("Johnson" Marathon Multiple Roll Grinding or Tube Mill), 38 S Dearborn, Chicago, Ill.
**MEAD & CO.,** 19th & M C R R, Detroit, Mich.
Midland Crusher Pulverizer Co. ("Brainard"), 37 W Vanburen, Chicago, Ill.
Miller L. J. (Bone, Grain, Salt, Oil Cake, etc.), 1223 Harrison av, Cincinnati, O.
Moyle E. H. Engineering & Equipment Co., Los Angeles, Cal.
Nebel M. A., 72 Grand av, Brooklyn, N. Y.
Newell Mfg. Co., 149 B'way, New York
Nordyke & Mormon Co. (Roller & Buhr Stone), Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., Buffalo, N. Y.
Patterson Fdry & Mach. Co., E. Liverpool, O.
Pennsylvania Crusher Co., Stephen Girard bldg., Phila., Pa.
Prosser Thos. & Son ("Krupp" Imp.), 15 Gold, New York
Raymond Bros. Impact Pulverizer Co., 1346 N Branch, Chicago, Ill.
Ross Chas. & Son Co. (French Buhr), 148 Classon av, Brooklyn, N. Y.
Ross E. W. Co. ("Superior Duplex" Grinding), Springfield, O.
Simpson-Orville Co., Cincinnati, O.
Smith Theo. & Sons Co., Ft. Essex, Jersey City, N. J.
Sprout, Waldron & Co. (Paint, Cement, Casein, Phosphate, Fuller's Earth, Cottonseed Oil Cake, etc), Muncy, Pa.
**STANDARD EQUIPMENT CO.** (For Cinders, Ore, Glass, Soft Rock, Coal, Cement, Slag, Skimmings, Sweepings, etc.), 184 Church, New Haven, Conn.
Starr B. F. Co. (For Flour & Corn Mills), 445 Guilford av, Baltimore, Md.
Stearns-Roger Mfg. Co., Denver, Colo.
Stedman's Foundry & Machine Works, Aurora, Ind.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
Sturtevant Mill Co. (Cement, Lime, Paint, etc), Clayton & Park, Dorchester, Boston, Mass.
**THROPP'S JNO. E. SONS CO.,** ft. of Lewis, Trenton, N. J. *See adv index at end of book*
United Iron Works Inc. ("Emerick" Cement), Kansas City, Mo.
Walker & Elliott (Fertilizer, Cement, Phosphate, etc.), Wilmington, Del.
Waterville Foundry & Mfg. Co. (Paint, etc, Hand & Power), Waterville, N. Y.
Williams Patent Crusher & Pulverizer Co., 813 Montg, St. Louis, Mo.
**WILSON BROS.** (Bone), Easton, Pa. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Worthington Pump & Machy. Corp. (Machinery), 115 B'way, New York *See adv index at end of book*

## 9798—Mills (Grist, Hand Power)

Bayley Wm. Co., Springfield, O.
Bell C. S. Co. ("Model"), Hillsboro, Ohio
Fate-Root-Heath Co. ("Rapid" & "Korn King"), Plymouth, O.
Rock Island Mfg. Co., Rock Island, Ill.

## Mills (Hay Grinding)

See Mills, Feed Grinding

## 9799— Mills (Hollow)

See also Mills, Adjustable Hollow

Brown & Sharpe Mfg. Co. (With Inserted Blades, etc.), Providence, R. I.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Geometric Tool Co. ("Geometric," "Adjustable"), New Haven, Conn.
Morse Twist Drill & Machine Co., New Bedford, Mass.
National Tool Co. (Adjustable Solid, Cleveland, O. *See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
Rogers Jno. M. Works, Gloucester City, N. J.
Standard Tool Co., 6700 Central av, Cleveland, O.

## 9800— Mills (Huntington)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York *See adv index at end of book*
Mine & Smelter Supply Co., 42 B'way, New York
Walker Mfg. Co., Denver, Col.

## 9801— Mills (Ink Grinding)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Abbe Paul O., 30 Broad, New York
Black-Clawson Co., Hamilton, O.
Day J. H. Co., Cincinnati, O.
Kent Machine Works, 39 Gold, Brooklyn N. Y.
Ross Chas. & Son, 148 Classon av, Brooklyn, N. Y.

## Mills (Iron Cinder)

See Mills, Water Cinder

## 9802— Mills (Jar)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Abbe Paul O., 30 Broad, New York
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.

## 9803—Mills (Kaffir Corn & Milo Maize)

Bowsher N. P. Co. ("Bowsher" Combination), South Bend, Ind.
Letz Mfg. Co., Crown Point, Ind.
Stover Mfg. & Engine Co., Freeport, Ill.
Wolf Co., Chambersburg, Pa.

## 9804— Mills (Laboratory)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Abbe Paul O. (Grinding), 30 Broad, New York
Day J. H. Co., Cincinnati, O.
Jeffrey Mfg. Co., 961 No 4th, Columbus, O *See adv index at end of book*

## 9805—Mills (Leather Grinding)

Abbe Paul O., 30 Broad, New York

## 9805a— Mills (Lime Grinding)

Abbe Paul O., 30 Broad, New York

## 9806— Mills (Malt)

American Malting Co., 120 B'way, New York
Aue Ferdinand Co. (Non-Explosive), 401 E 91st, New York
Barnard & Leas Mfg. Co., Moline, Ill.
Fleischmann Malting Co., 419 Plum, Cincinnati, O.
Freund H. H. ("S. B. B. Universal," Imported), 7 W 45th, New York
Hehle B., Malt Milling System Co., 208 Lawrence, Cincinnati, O.
Kaestner & Hecht Co. ("Kaestner" Non-Explosive), 500 Throop, Chicago, Ill.
Kam John, Malting Co., 377 Genesee, Buffalo, N. Y.
Meyer Geo. J. Malting Co., 1316 Niagara Buffalo, N. Y.
New York Mills (Roasting), 458 Greenwich, New York
Olsen & Tilgner Mfg. Co. (All Iron Non-Explosive), 2280 Elston av, Chicago, Ill.
Schock Gustav & Son, 514 W 57th, New York
Schurill Albert & Co., Traders bldg, Chicago, Ill.
U. S. Malt Co. (Roasted & Carmelized in solid or liquid form), 309 Broadway, New York

## 9807— Mills (Mustard)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Bay Gottfried, 537 W 50th, New York
Kelso & Co., 557 W Quincy, Chicago, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

## 9808— Mills (Nut Grinding)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*

## 9809— Mills (Oil Cake)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Bauer Bros. Co. ("Scientific" Grinding), Bauer bldg., Springfield, O.
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York
Buckeye Iron & Brass Works, Dayton, O.
Campbell P. F., 51 Laurel, Phila., Pa.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Excel Mfg. Co., Pottersville, N. J.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
McLaughlin Geo. T. Co., 120 Fulton, Boston, Mass.
Murray Co., Dallas, Texas
Robinson Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co. ("Monarch" Attrition & French Buhr), Muncy, Pa.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 9810— Mills (Ore Sampling)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Denver Quartz Mill & Crusher Co., Denver, Colo.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Walker Mfg. Co., Denver, Col.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

## Mills (Paint Grinding)

See Paint Grinding & Mixing Machinery

## Mills (Pebble Tube)

See Mills, Ball & Pebble

## 9811— Mills (Plate Rolling)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh-Hemphill Co., ft. of 12th, Pittsburgh, Pa.

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**MORGAN ENGINEERING CO.,** Alliance, Ohio *See adv index at end of book*
National Roll & Foundry Co., Avonmore, Pa.
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, O.

## 9812— Mills (Prospecting)

Moyle E. H. Engng. & Equipt Co. ("Moyle"), 508 E 9th, Los Angeles, Cal.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Worthington Pump & Mach'y Corp., 115 B'way, New York
*See adv index at end of book*

## 9813— Mills (Pug)

**American Clay Machinery Co., S Walnut,** Bucyrus, O *See adv index at end of book*
**Anderson Foundry & Machine Works, Anderson, Ind.**
Arbuckle & Co., Rushville, Ind.
Arnold-Creagor Co., New London, O.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
Bonnot Co., Canton, O.
Brewer H. & Co., Tecumseh, Mich.
**Chambers Bros. Co., 52d, bel Lancaster av, Phila., Pa.**
Crossley Machine Co. (Sagger Presses), State & Chestnut av, Trenton, N. J. *See adv index at end of book*
**Freese E. M. & Co., Galion, O.**
Phillips & McLaren, 24th & Smallman, Pittsburgh, Pa.
**Potts C. & A. Co., Indianapolis, Ind.**
**Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.**
Steele J. C. & Sons, Statesville, N. C.
Stevenson Co., Wellsville, O.
United Iron Works Inc., Kansas City, Mo.
Wallace Mfg. Co., Frankfort, Ind.
**Wellington Machine Co., Wellington, O.**

## 9813a— Mills (Pulverizing)

Abbe Paul O. ("Abbe"), 30 Broad, New York

## 9814— Mills (Quartz)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Crossley Machine Co., State & Chestnut av, Trenton, N. J. *See adv index at end of book*
Denver Engineering Works Co., Denver, Colo.
Denver Quartz Mill & Crusher Co., Denver, Colo.
**Golding Sons Co., Trenton, N. J.**
Hassell Iron Works Co., Colorado Springs, Colo.
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**Kent Mill Co., 10 Rapelyea, Brooklyn, N. Y.**
McFarlane-Eggers Machinery Co., Denver, Colo.
**Patterson Foundry & Machine Co., East Liverpool, O.**
**Stearns-Roger Mfg. Co., Denver, Colo.**
**Walker Mfg. Co., Denver, Colo.**
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
**Worthington Pump & Mach'y Corp., 115 Broadway, New York**
*See adv index at end of book*

## 9815— Mills (Rice)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
**Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York**
**Excel Mfg. Co., Pottersville, N. J.**
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**Sprout, Waldron & Co. (Polishers, Shelling Stone, Octagon Reels, Polishing Brushes, Trumbles, Separators, Chaff Grinders), Muncy, Pa.**
Squier Geo. L. Mfg. Co. ("Buffalo"), 490 Broadway, Buffalo, N. Y.

## 9816— Mills (Rice Chaff)

Bauer Bros. Co., Bauer bldg, Springfield, O.

## 9816a— *Mills (Rod)

See also Mills, Ball & Pebble

**TRAYLOR ENGINEERING & MFG. CO.,** Allentown, Pa.
*See adv index at end of book*
Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*

## 9817—Mills (Roller Grinding)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Barnard & Leas Mfg. Co., Moline, Ill.
**Excel Mfg. Co. (For Graham Flour, etc),** Potterville, N. J.
Great Western Mfg. Co. (Also Roller Feed), Leavenworth, Kan.
**Hoagland's M. Sons Co., Rockaway, N. J.**
Nordyke & Marmon Co. (Double Two Pair, High Six Roller, etc.), Kentucky av & Morris, Indianapolis, Ind.
Simpson-Orville Co. (Corn & Wheat), Cincinnati, O.
Sprout, Waldron & Co. (Double Roller, Two-Pair & Three-Pair High, All Sizes), Muncy, Pa.
Walker Mfg. Co. (Patent Grinding), Denver, Colo.
Wolf Co., Chambersburg, Pa.

## 9818-9— Mills (Rosin)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Barnett Oscar Foundry Co. (Automatic), Irvington, N. J.
Brown A. & F. Co. ("Cogswell"), 79 Barclay, New York
Sly W. W. Mfg. Co., 4700 Frain av, Cleveland, O.

## 9820— Mills (Scroll)

Wolf Co. ("Draver" & "Mitchell"), Chambersburg, Pa.

## 9821—*Mills (Sheet & Tin Plate)

Blaw Knox Co. (Specialties), Freeport rd, Hoboken, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 9822— Mills (Shell End)

Barber-Colman Co., Rockford, Ill.
**BECKER MILLING MACHINE CO.,** Hyde Park, Mass.
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
Cowles Tool Co.,2086 W 110th, Cleveland, O.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**NATIONAL TOOL CO.,** Cleveland, O.
*See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
U. S. High Speed Steel & Tool Corp. ("Challenger"), 489 5th av, New York

## 9823— Mills (Slabbing)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mackintosh-Hemphill Co., ft. of 12th, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**MORGAN ENGINEERING CO.,** Alliance, Ohio *See adv index at end of book*

## 9823a— Mills (Snuff Grinding)

Abbe Paul O., 30 Broad, New York

## 9823b— Mills (Soap Powder)

Houchin-Aiken Co., 113 53d, B'klyn, N. Y.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

## 9823c— Mills (Spheroidal)

Townsend Foundry & Machine Shop Co., Broadway & Rensselaer, Albany, N. Y.
*See adv index at end of book*

## 9823d— Mills (Spice Grinding)

Abbe Paul O., 30 Broad, New York

## 9824-5— Mills (Stamp)

Allis-Chalmers Mfg. Co. (Steam, Gravity & Atmospheric), Milwaukee, Wis.
Arizona & Sonora Mfg. Co., Nogales, Ariz.
Ashland Iron Works, Ashland, Oregon
Caird Engineering Works, Helena, Mont.
Chalmers-Williams Mfg. Co. (Stamp Batteries & Accessories), 1461 Arnold, Chicago Heights, Ill.
Colorado Iron Works Co., Denver, Colo.
Denver Engineering Works, Denver, Colo.
Hallidie Co., Spokane, Wash.
*See adv index at end of book*
Hammond Mfg. Co., Kamm bldg, Portland, Ore.
**Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.**
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
*See adv index at end of book*
Lombard Iron Wks. & Supply Co., Augusta, Ga.
McFarlane-Eggers Machinery Co., Denver, Colo.
McFarlane Mfg. Co., Denver, Colo.
Mecklenburg Iron Works, Charlotte, N. C.
Mine & Smelter Supply Co., 42 B'way, New York
Moyle E. H. Engineering & Equipment Co. ("Moyle" Portable Heavy Duty), 508 E. 9th, Los Angeles, Cal.
Nordberg Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
Portage Lake Fdry & Mach Co., Hancock, Mich.
Stearns-Roger Mfg. Co., Denver, Col.
Ticonderoga Machine Works (Stamp Batteries), Ticonderoga, N. Y.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Trent Engineering & Machinery Co., Salt Lake City, Utah
Union Iron Works, Spokane, Wash.
**Vulcan Iron Works, Francisco & Kearny, San Francisco, Cal.**
Walker Mfg. Co., Denver, Col.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
**Worthington Pump & Mach'y Corp., 115 Broadway, New York**
*See adv index at end of book*

## 9826— Mills (Structural)

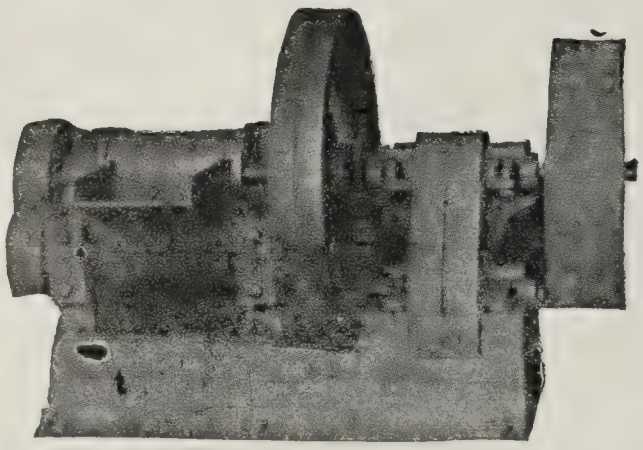
**Alliance Structural Co., Alliance, O.**
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**Morgan Engineering Co., Alliance, O.**
*See adv index at end of book*

## 9827— Mills (Sugar Cane)

Bahmann Iron Works Co., Cincinnati, O.
Bell C. S. Co. ("Western" Sweep & Power, "Poderoso", "America", "Delta", "Tropic", "Monitor", "Globe", "Globe Special", "Jumbo", "Climax", "Atlas", "Monarch", "Progress", "Trojan"), Hillsboro, O.
**Birmingham Mach. & Fdry Co., Birmingham, Ala.**
Blymyer Iron Works Co., Cincinnati, O.
Buffalo Foundry & Machine Co. (Hydraulic), Buffalo, N. Y.
*See adv index at end of book*
Chattanooga Plow Co., Chattanooga, Tenn.
Coldwell-Wilcox Co., Newburgh, N. Y.
Columbus Iron Works, Columbus, Ga.
Cook Cane Mill & Evaporator Co. (For Sorghum), 200 N 2d, St. Louis, Mo.
**Dibert, Bancroft & Ross Co. (Ltd.), Tulane & Hagan av, New Orleans, La.**
Dyer Co., 2031 Euclid av, Cleveland, O.
**Excelsior Foundry Co., Belleville, Ill.**
**FABRICATED STEEL PRODUCTS CORP.,** Box 300, Leetonia, O.
*See adv index at end of book*
Farrel Foundry & Machine Co., Ansonia, Conn.
Fulton Iron Works Co., 1259 Delaware av, St. Louis, Mo. *See adv index at end of book*
Golden's Fdry & Mach. Co., Columbus, Ga.
**HOOVEN, OWENS, RENTSCHLER CO.** ("Hamilton"), Hamilton, Ohio.
*See adv index at end of book*
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Kehoe Iron Works, Savannah, Ga.
**Knoxville Fdry & Mach. Co., Knoxville, Tenn.**
Krajewski-Pesant Corp., 50 Broad, New New York

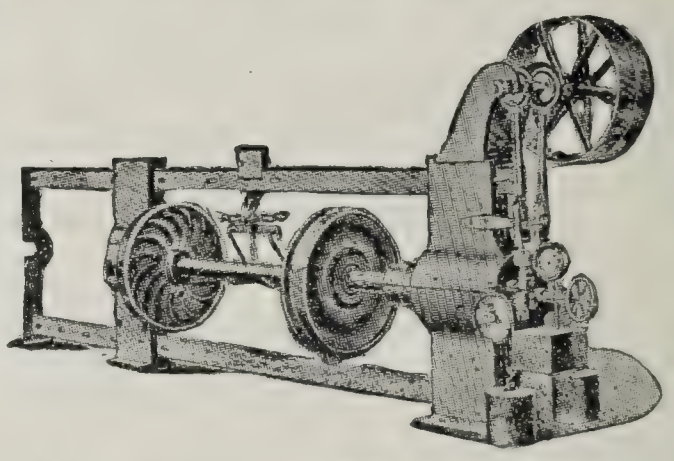
# SUGAR CANE MILLS

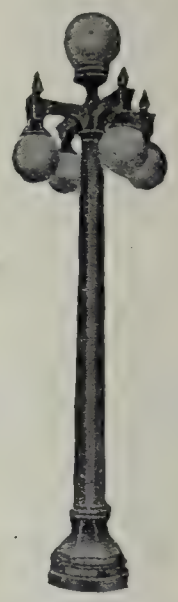
## HAND and POWER WHEEL PRESSES and LAMP POSTS



Cane Mills built to operate from 6 to 25 horse power. Capacity 175 to 500 gallons of juice per hour

Hand and Power Wheel Presses, 200 tons capacity, for general repair work





One, three and five light lamp posts

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Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**NAZARETH FOUNDRY & MACHINE CO.,** Nazareth, Pa., & 106 Front, New York
O'Neil Iron Works Inc., 268 Perry, Buffalo, N. Y.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Pratt Engineering & Machine Co., Atlanta, Ga.
Reading Iron Co., Reading, Pa.
Rourke John & Sons, Savannah, Ga.
Schofield's J. S. Sons Co., Macon, Ga.
Southern Plow Co. ("Columbus," "Standard," "Horizontal"), Columbus, Ga.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Sumner Iron Works, Everett, Wash.
Swoop Julian M., 913 Girod, New Orleans, La.
**THOMASVILLE IRON WORKS, INC.,** Thomasville, Ga.
*See adv index at end of book*
**Vulcan Iron Works, Wilkes-Barre, Pa.**
**Whitney Iron Works Co., 849 Tchoupitoulas, New Orleans, La.**
**Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.**

### 9828— Mills (Swing Hammer)

Abbe Paul O., 30 Broad, New York

### 9828a—Mills (Talc Grinding)

Abbe Paul O., 30 Broad, New York

### 9828b— Mills (Tire Turning)

Betts Machine Co., 420 Blossom rd, Rochester, N. Y.
*See adv index at end of book*

### Mills (Tube)

**See Mills, Ball & Pebble**
**Also Pipe & Tube Mills**
**Also Pipe & Tube Mill Machinery**

### 9829—Mills (Tumbling & Rumbling)

Central Foundry Supply Co. ("Byram"), P. O. Box 945, Columbus, O.
Cleveland Nickel Wks. (Steel Exhaust; & water), 1167 W 67th, Cleveland, O.
Dayton-Dowd Co. ("Dayton-Dowd" & "Reliable"), Quincy, Ill.
**HENDERSON BROS. CO.,** 133 South Leonard, Waterbury, Conn.
**Illinois Mfg. & Supply Co. (Exhaust Steel),** Quincy, Ill.
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.** *See adv index at end of book*
Sly W. W. Mfg. Co. (Exhaust Steel), Cleveland, Ohio
Whiting Foundry Equipment Co., 157th & Halstead, Chicago. Ill.

### 9830— *Mills (Universal)

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**Morgan Engineering Co., Alliance, O.**
*See adv index at end of book*

### 9831— Mills (Water Cinder)

**Cleveland Nickel Wks., 1167 W 67th,** Cleveland, O.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**Eastern Machinery Co. ("Hill"), New** Haven, Conn.
Farrel Foundry & Machine Co., Ansonia, Conn.
**Illinois Mfg. & Supply Co. (Iron & Brass),** Quincy, Ill.
Moussette O. J. ("Monarch" For Brass **Foundries, etc), 22 Clay, Brooklyn,** N. Y.
Sly W. W. Mfg. Co. ("Sly" for Separating Iron & Coke from Cupola Dump), 4700 Train av, Cleveland, O.
**STANDARD EQUIPMENT CO.,** 184 Church, New Haven, Conn.

### 9832—Mills (Water Polishing)

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**HENDERSON BROS. CO.,** 133 South Leonard, Waterbury, Conn.
Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.
Whiting Foundry Equipment Co. (For Brass), 157th & Halstead, Chicago, Ill.

### Mills (White Lead)

**See White Lead Machinery**

### 9833—Mills (Wire Flattening)

**Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.**
*See adv index at end of book*
**Standard Machinery Co., Providence, R. I.**
Waterbury Farrel Foundry & Machine Co., **Waterbury, Conn.**

### 9834— Millstones

Bullock Chas. K., 1357 Ridge av, Phila, Pa.
Tobler & Co., Inc. (French Buhr Imported), 35 S William, New York

### 9834a—Mine Exploration Work

Wells Bulkeley (Agent), Hobart bldg., San Francisco Cal.

### 9834b— *Mine Locomotives

**See also Locomotives, Electrical Industrial & Mine**
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO U.S.A.

### 9835—Mine Rescue Apparatus

**Draeger Oxygen Apparatus Co., Pittsburgh, Pa.**
**Hayward S. F. & Co. ("Westfalia"), 250 W 54th. New York**
Siebe Gorman & Co., Ltd., Monadnock bldg., Chicago, Ill.

### Mine Supplies

**See Firms in Mill & Factory Supplies, with the word Mine following name**

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The process of extraction is basic to cane sugar production and a basis of values in the industry.

Fulton's extraction is higher than any other.

Fulton is the only complete process made and installed by any one maker of sugar machinery in the world. Fulton mills and crushers, together with their power installation, embrace many exclusive features and factors of operation that can neither be imitated nor approached. They represent the full equipment of a plantation and the entire handling of a harvest through every stage from the cartip to the delivery of the juice.

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Cuba, Havana, 401-402 Banco Nacional, A. J. Thompson, *Vice President* and *Manager* for Cuba.

AGENCIES:

PERU: W. R. Grace and Company, Lima.

BRAZIL: International Machinery Company, Rua, Sao Bento, Caixa Postal 1626, Rio de Janeiro.

Monteath & Company, Caixa Postal 118, Pernambuco.

Agenor Cordilho, Post Office Box 273, Bahia.

ARGENTINE REPUBLIC: International Machinery Company, Calle Peru 535, (Casilla de Correo 108) Buenos Aires

International Machinery Co., Maipu 129, Tucuman.

PORTO RICO: L. J. Barthelemy, Post Office Box 2 San Juan.

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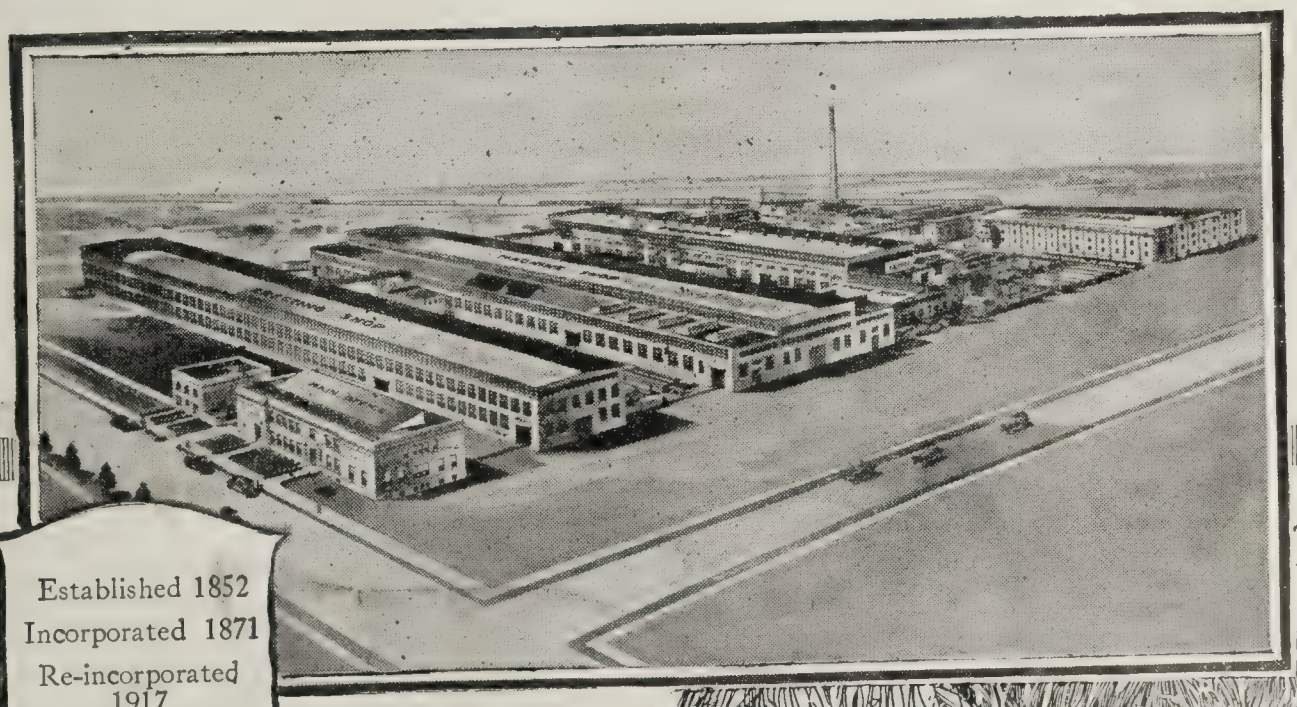

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Incorporated 1871
Re-incorporated 1917

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## 9836—Mine Supplies (Electric)

Commercial Electrical Supply Co., B'way & Spruce, St. Louis, Mo.
**Cooke-Wilson Electric Supply Co., Imperial Power bldg, Pittsburgh, Pa.**
**Doubleday-Hill Electric Co., 719 Liberty av, Pittsburgh, Pa.**
Electrical Material Co., 618 W Jackson blvd, Chicago, Ill.
**Electric Railway Equipment Co., Cincinnati, Ohio**
**Flood City Mfg. Co., Johnstown, Pa.**
Gee Electric Co., Wheeling, W. Va.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Iron City Electric Co., Pittsburgh, Pa.
Johns-Manville H. W. Co., Madison av & 41st, New York
**Kester Electric Co., Terre Haute, Ind.**
Lawrence F. D. Electric Co., 219 W 4th, Cincinnati, Ohio
Mill & Mine Supply Co., Akron, O.
**OHIO BRASS CO.,** Mansfield, Ohio *See adv index at end of book*
Post Glover Electric Co., 308 W 4th, Cincinnati, O.
Ross-Willoughby Co., 109 E. Spring, Columbus, Ohio
**Sackett Mine Supply Co., 164 N 3d, Columbus, Ohio**
Union Electric Co., 81 Terminal Way, Pittsburgh, Pa. *See adv index at end of book*
**Wesco Supply Co., 7th & Clark, St. Louis, Mo.**
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.** *See adv index at end of book*

## 9837— Mine Timbers (Steel)

Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Fleming J. R. & Son, Co., Scranton, Pa.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Serfas Lumber Co. (Wood Only), Drake bldg., Easton, Pa.

## 9838— Mineral Colza

Standard Oil Co. of N. Y., 555 W 25th, New York
**Union Petroleum Co., Widener bldg, Phila., Pa.**
Waverly Oil Works Co., Pittsburgh, Pa. *See adv index at end of book*

## 9839— Mineral Wool Mfrs.

Acme Asbestos Covering & Supply Co., 404 N Ada, Chicago, Ill. *See adv index at end of book*
Banner Rock Products Co., Alexandria, Ind.
Columbia Mineral Wool Co., 58 W Washington, Chicago, Ill. Works: S Milwaukee, Wis
Johns-Manville H. W. Co., Madison av & 41st, New York
Union Fibre Co. Inc., Winona, Minn.
United States Mineral Wool Co., 280 Madison av, New York

## 9840— Minerals (Rare)

See also Ores, Rare

Earle E. P., 165 B'way, New York
Mackay A. D., 130 Pearl, New York
Philipp Brothers (Imp.), 29 B'way, New York

## 9840a— *Miners Friend

Atlas Powder Co., 140 N Broad, Phila., Pa. *See adv index at end of book*
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*

## 9841—Miners' Needles & Scrapers

**Fulton Tool Works ("Fulton"), Canal Fulton, O.**
**Hardsocg Mfg. Co. (Steel & Copper), Ottumwa, Ia.**
**Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.**
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
**Klein-Logan Co., 13th & Breed, Pittsburgh, Pa**
Leetonia Tool Co., Leetonia, O.
Warwood Tool Co., Warwood, Wheeling, W. Va.
**What Cheer Tool Co., What Cheer, Ia.**

## 9842— Minglers (Sugar)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*

## 9843— Minimeters

**NORMA CO. OF AMERICA,** Anable av, Long Island City, N. Y. *See adv index at end of book*

## 9843a—Mining Salt (Mixed Bromides & Bromates)

Dow Chemical Co., Midland, Mich.
Merck & Co., 45 Park pl., New York
Warren Products Co., 265 B'way, New York *See adv index at end of book*

## 9843b—Mining Town Development

**YON T. L. & CO.,** Box 1554, Huntington, W. V.

## 9843c— Minimum

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 9844— Minnows

**Bonafide Mfg. Co. (Aluminum), Plymouth, Mich.**
**Heddon Jas. & Son (Artificial), Dowagiac, Mich.**

## 9845—*Mirror Frames (Metal)

Biele, Chas. F. & Sons Co., 381 W 12th, New York
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y. *See adv index at end of book*

## 9845a— Mirror Mfrs.

Am. Mirror Wks. (Beveled, etc.), Butler, Pa.
Bendit, Drey & Co., Inc., 188 Franklin, New York
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.

## 9846— Mirrors (Advertising)

Alpha Mirror Mfg. So., 115 Spring, New York
**Bache, Semon & Co., 636 Greenwich, New York**
**Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.**
National Sheet Metal Co. (Hand, Pocket, etc), Peru, Ill.
Tarentum Beveling & Mirror Wks., Tarentum, Pa.

## 9847— Mirrors (Bath Room)

Acme Specialty Mfg. Co., Toledo, Ohio
Ames, Bonner Co. ("A. B. C."), Toledo, O.
Boston Mirror Co. (Frameless, etc), 69 Sudbury, Boston, Mass.
**Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.**
Church C. F. Mfg. Co. (White Pyralin), Holyoke, Mass.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Conroy-Prugh Co., 1430 Western av, Pittsburgh, Pa.
Cooke Jos. S., 20 Jacob, New York
Eustis J. P. Mfg. Co. (Brasscrafters), Cambridge, Mass.
Galard Co. ("Omaha"), 335 6th av, Newark, N. J.
Gallagher P. J., 24 New Chambers, New York
Metal Crafters, East Stroudsburg, Pa.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, *See adv index at end of book*
Parker Chas. Co., Meriden, Conn.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
**Weber-Knapp Co. (Extension Bracket), Jamestown, N. Y.**

## 9848—Mirrors (Dashboard, Automobile)

Alpha Mirror Mfg. Co., 115 Spring, New York
**Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.**
**Cowles C. & Co., New Haven, Conn.**
**Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.**
**Searls Mfg. Co., 29 Mulberry, Newark, N. J.**
**Standard Plate Glass Co., 30 Sudbury, Boston, Mass.**

## 9849— Mirrors (Hand)

Alpha Mirror Mfg. Co., 115 Spring, New York
**Bradley & Hubbard Mfg. Co., Meriden, Conn.**
**Celluloid Co. (Celluloid), 36 Washington pl, New York**
Conroy-Prugh Co., 1430 Western av, Pittsburgh, Pa.
Dennins O. Sons, Troy, N. Y.
**Florence Mfg. Co., Florence, Mass.**
Frisch Toilet Mirror Co., 83 Crosby, New York
Grote F. & Hubbell Co., 82 4th av, New York
**Liberty Mirror Works, 6615 Kelly, Pittsburgh, Pa.**
**Pacific Novelty Co. ("Elpho" Ivory), 41 E 11th, New York**
Schimper William & Co., 322-338 Ferry, Hoboken, N. J., 933 Union sq, New York *See adv index at end of book*
**Souweine Mfg. Co., 103 Varick, New York**
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Warren Mirror Works, Warren, Pa.

## 9850— Mirrors (Lamp)

Bausch & Lomb Optical Co., Rochester, N. Y.

## 9851— Mirrors (Mangin)

Bausch & Lomb Optical Co., Rochester, N. Y.

## 9851a—*Mirrors (Mangin, Blanks)

**RODEFER GLASS CO., THE,** Bellaire, O. *See adv index at end of book*

## 9852— Mirrors (Plate Glass)

**American Mirror Co., 160 Reed, Milwaukee, Wis.**
Am. Mirror Wks., Butler, Pa.
Anderson Geo. H. & Co., 1467 W Austin av, Chicago, Ill.
Bache, Semon & Co., 636 Greenwich, New York
**Boston Mirror Co., 69 Sudbury, Boston, Mass.**
Building Supplies Corp., Norfolk, Va.
Central Door & Lumber Co., 481 Glisan, Portland, Ore.
Central Glass Co., Inc., Evansville, Ind.
**Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.**
Conroy-Prugh & Co., 1430 Western av, Pittsburgh, Pa.
**Crane Glass & Mfg. Co., 206 St. Clair av, Cleveland, O.**
**Denier's S. Son (French), 17 Crosby, New York**
Detroit Mirror Works, 4th & Porter, Detroit, Mich.
**Donnelly J. R. Co., 54 Classon av, Brooklyn, N. Y.**
Elias Joseph & Co., Inc., Jackson av, Long Island City, N. Y.
**Eustis J. P. Mfg. Co. ("Brasscrafters" Metal Frame), Cambridge, Mass.**
Falconer Mirror Co., Falconer, N. Y.
Gallagher P. J., 24 New Chambers, New York
**Hadley-Dean Glass Co., 11th & Lucas av, St. Louis, Mo.**
**Hart Mirror Plate Co., Grand Rapids, Mich.**
**Haskins Art Glass Co., Rochester, N. Y.**
Hendricks-Martz Bros. Co., Shelby & Larned
Hires, Turner Glass Co., 30th & Walnut, Phila., Pa.
**Jackson Glass Works, Jackson, Mich.**
Lee Edw. F. Gass Co., 136 E Fort, Detroit, Mich.
Morgan Co., Oshkosh, Wis.

National Mirror Works (All Kinds), Rockford, Ill.
Pittsburgh Plate Glass Co., Frick bldg, Pittsburgh, Pa.
Popper Leo & Sons, 143 Franklin, New York
Saginaw Mirror Wks., Saginaw, Mich.
Schrenk & Co., Hoboken, N. J.
Slane O. W. Glass Co., York, Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Tyler & Hippach, 366 W Ohio, Chicago, Ill.
Von Gerichten Art Glass Co., 557 So High, Columbus, O.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.
Williamsport Mirror & Glass Co., Williamsport, Pa.
Zahn & Bowly Co., Rutherford, N. J.

## 9853— Mirrors (Searchlight)

Bausch & Lomb Optical Co., Rochester, N. Y.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.

## 9854— Mirrors (Shaving)

Alexander J. Mfg. Co., 1991 B'way, New York
Alpha Mirror Mfg. Co., 115 Spring, New York
Franks Mfg. Co., Rock Island, Ill.
Frink I. J. P., 24th & 10th av, New York
McLeod, Ward & Co., 430 11th av
Mirror Mfg. Co., 200 Greene, New York
Rite-Lite Shaving Glass Co., Syracuse, N. Y.
Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq, W New York *See adv index at end of book*
Shavelight Corp., 30 Church, New York
Shuman F. G. Co. ("Suction Back"), 168 N Michigan av, Chicago, Ill.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Weber-Knapp Co. (Adjustable), Jamestown, Pa.
Wilson Co. A. B., 1051 Power bldg, Cleveland, O.

## 9855— Mirrors (Shock)

Allison & Doughty, 559 W 37th, New York
Bache, Semon & Co., 636 Greenwich, New York
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Zahn & Bowly Co., Rutherford, N. J.

## 9855a—Mirrors (Triplicate Standing & Swing)

**SCHIMPER WILLIAM & CO.,** 322-338 Ferry, Hoboken, N. J., & 33 Union sq, W, New York *See adv index at end of book*

## 9856— Mirrorscopes

Mirrorscope Co., 168th & Waterloo, Cleveland, O.
Novelty Mfg. Co. ("Bellamy"), Waterbury, Conn.

## 9857— Mitre Scales

Reeves Mfg. Co., Milford, Conn.

## 9858— Mitres (Copper)

Hussey C. G. & Co., 2850 2d av, Pittsburgh, Pa.
York Corrugating Co., York, Pa.

## Mitts (Catchers)

See Gloves, Baseball, Boxing & Fencing

## 9859— Mixers (Air)

Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Kemp C. M. Mfg. Co., 405 E Oliver, Baltimore, Md.
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*

## 9859a—Mixers (Aniline Colors)

Johnson John Co., 203 37th, B'klyn, N. Y.

## 9860— Mixers (Asphalt)

**AUSTIN MACHINERY CORPORATION,** Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*
Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O.
*See adv index at end of book*
East Iron & Machine Co. ("Merriman"),t 351 E Market, Lima, O.
Equitable Asphalt Maintenance Co. ("Equitable"), 1901 Campbell, Kansas City, Mo.
Erie Machine Shops, Erie, Pa.
Hetherington & Berner, Indianapolis, Ind.
Pioneer Iron Wks., 149 Pioneer, B'klyn, N. Y.
Rapid Mixer Co., Grand Rapids, Mich.
Rockwell L. A. Co., 430 Smith, Brooklyn, N. Y.
Smith T. L. Co., The ("Smith" Hot Mixers), 1151 32d, Milwaukee, Wis.

## 9861— Mixers (Bleach)

Johnson John Co., 203 37th, B'klyn, N. Y.
Manitowoc Engineering Works, Manitowoc, Wis.

## 9862—Mixers (Bread & Cake)

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Carpenter L. A., Press Metal Co. ("Economy"), Cambridge, Mass.
Central Stamping Co., 174 Fulton, New York
Gem Stamped Steel Co. ("Kned-Full"), Chelsea, Mass.
Hobart Mfg. So. (Electric Bread), Troy, Ohio
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Manning, Bowman & Co. ("Eclipse"), Meriden, Conn.
Rockwell L. A. Co., 430 Smith, Brooklyn, N. Y.
Roseland Can & Specialty Co. ("American"), Rockford, Ill.
Sumner Mfg. Co. ("Eclipse" Large Bakers), Boston, Mass.
Vogel Wm. & Bros. ("Chautauqua"), 37 S 9th, Brooklyn, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 9863— Mixers (Cement)

Cardington Cabinet Co. ("Diamond"), Cardington, O.
Girnau Mfg. Co., Eau Claire, Wis.
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Sheldon Engine & Sales Co., Waterloo, Ia.
Wilson Machinery Co., 301-331 W. 35th, Chicago, Ill. *See adv index at end of book*

## 9864— Mixers (Chocolate)

Abbe Engineering Co., 216-224 B'way, New York
Baker's Sons J & Perkins Co., Inc., White Plains, N. Y.
East Iron & Machine Co., 351 E Market, Lima, O.
Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*
Racine Confectioners' Machinery Co., Racine, Wis.
Rockwell L. A. Co., 430 Smith, Brooklyn, New York
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Werner & Pfleiderer Co., 1232 N Niagara, Saginaw, Mich.
*See adv index at end of book*

## 9865— Mixers (Clay)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Anderson Fdry. & Mach. Wks., Anderson, Ind.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
Chambers Bros. Co., 52d, bel Lancaster av, Phila., Pa.
Fernholtz Brick Machinery Co., Boyle & Vandeventer, St. Louis, Mo.
Industrial Supply Co., Keokuk, Ia.
Johnson John Co., 203 37th, B'klyn, N. Y.
Manitowoc Engineering Wks., Manitowoc, Wis.
Marion Machine, Foundry & Supply Co. ("Rust"), Marion, Ind.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Werner & Pfleiderer Co., 1232 N Niagara, Saginaw, Mich.
*See adv index at end of book*

## 9865a— Mixers (Concrete)

See also Concrete Mixers

**AUSTIN MACHINERY CORPORATION,** Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*
Green L. A., First Nat'l. Bank bldg,, Pittsburgh, Pa.
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO U.S.A

Smith T. L. Co. ("Smith"), 1151 32d, Milwaukee, Wis.

## 9866— Mixers (Drink)

Arnold Electric Co. ("Arnold" Electric), Racine, Wis.
Fulton-Bell Co., 451 Greenwich, New York
Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*
Gibson H. B. Co., 23 Liberty, New York
Hamilton Beach Mfg. Co. ("Hamilton Beach," Electric), Racine, Wis.
Roberts Lightning Mixer Co. ("Roberts"), 39 Pearl, Boston, Mass.
Seilke H. A. & Co., San Francisco, Cal.
Service Commodities Mfg. Co., 442 N Wells, Chicago, Ill.
Shelton Electric Co. (Electric), 30 E 42nd New York
White-Stokes Co. (Cream Whipper), 3615 Jasper pl, Chicago, Ill.
Wisconsin Electric Co., Racine, Wis.
*See adv index at end of book*

## 9867— Mixers (Feed)

Excel Mfg. Co. (Alfalfa & Molasses), Pottersville, N. J.
Howes S. Co., Silver Creek, N. Y.
Savage W. J. Co., Knoxville, Tenn.
Sprout, Waldron & Co., Muncy, Pa.
Wilson Bros., Easton, Pa.
*See adv index at end of book*

## 9868— Mixers (Fertilizer)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Atlanta Utility Works (Rotary Batch Mixers), East Point, Ga.
Austin W. E. Machinery Co., Atlanta, Ga.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
Dempwolf C. H. & Co., York, Pa.
Dunning & Boschert Co., Inc., 379 W Water, Syracuse, N. Y.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
**LAKEWOOD ENGINEERING CO.,** Cleveland, O. *See adv index at end of book*
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Pratt Engineering & Machine Co., Atlanta, Ga.
Ransome Concrete Machinery Co., Dunellen, N. J.
Sackett A. J., cor 4th av & 1st, Baltimore, Md.
Smith, T. L. Co., The (For Mixing All Kinds of Artificial Fertilizers), 1151 32d, Milwaukee, Wis.
Social Circle Mfg. Co., Social Circle, Ga.
Sturtevant Mill Co., Clayton & Park, Dorchester, Boston, Mass.
Walker & Elliott, Wilmington, Del.

## 9869—Mixers (Flour & Baking Powder)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Day J. H. Co., Cincinnati, O.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Howes S. Co. (Flour), Silver Creek, N. Y.
Read Machinery Co. ("Three Speed"), York, Pa.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Savage W. J. Co., Knoxville, Tenn.

## Mixers (Foundry Sand)
See Sand Mixing Machines

## 9870— Mixers (Gas)
**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
**Cullen & Atkinson Co. ("Monitor"), Hartford, Conn.**
Detroit Brass Works (Natural Gas), 331 Holden, Detroit, Mich.
**Hale Gas Mixer Co. ("Hale"), Kansas City, Mo.**
**Hays Mfg. Co., Erie, Pa.**
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Kemp C. M. Mfg. Co. ("Climax"), 405 E Oliver, Baltimore, Md.
**McRae & Roberts Co., 227 Campbell av, Detroit, Mich.**
*See adv index at end of book*

## 9871— Mixers (Glass Batch)
Dixon H. L. Co., Rosslyn Rd., Carnegie, Pa.
Smith T. L. Co., The ("Smith"), 1151 32d, Milwaukee, Wis.

## 9871a—*Mixers (Glass Sand)
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

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## 9872— Mixers (Grout)
Binswanger & Co., Richmond, Va.
Ransome Concrete Machinery Co. ("Caniff" Pneumatic), Dunellen, N. J.
Union Iron Works, Hoboken, N. J.

## 9872a—Mixers (Heavy Compound Kneaders)
Abbe Paul O., 30 Broad, New York

## 9873— Mixers (Hot Metal)
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Penna Engng. Works, New Castle, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Variety Iron & Steel Wks. Co., Hamilton av & E 40th, Cleveland, O.

## 9874— Mixers (Ice Cream)
Reid A. H., Creamery & Dairy Supply Co., 69th & Haverford, Phila., Pa.

## 9875— Mixers (Liquor)
New York Stamping Co., ("Empress"), N 11th & Berry, Brooklyn, N. Y.
Stevens Bros., 149 B'way, New York
Sweeney W. H. Mfg. Co., 30 Main, Brooklyn, N. Y.

## 9875a—*Mixers (Low Charge)
Lakewood Engng Co., Cleveland, O.
*See adv index at end of book*

## 9876—Mixers (Lubricating Compounds)
Baker's Sons J. & Perkins Co. Inc., White Plains, N. Y.
Ross, Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

## 9877— Mixers (Mayonnaise)
Landers, Frary & Clark ("Universal"), New Britain, Conn.

## 9878— Mixers (Mortar)
See also Concrete Mixers
**Archer Iron Works, 2436 W 34th pl, Chicago, Ill.**
**AUSTIN MACHINERY CORP.,** Railway Exchange bldg., Chicago, Ill.
*See adv index at end of book*
Blystone Mfg. Co., Cambridge Springs, Pa.
Buckeye Engine & Foundry Co., Joliet, Ill.
C. H. & E. Mfg. Co., 384 Clinton, Milwaukee, Wis.
Erie Metal Products Co., Erie, Pa.
**Eureka Machine Co. ("Eureka"), Lansing, Mich.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Kent Machine Co., Kent, O.**
**Lakewood Engineering Co., Cleveland, O.**
*See adv index at end of book*
**Lansing Co., Lansing Mich.**
**Laun Machine Co., 715 Root, Chicago, Ill.**
**Monighan Machine Co. ("Monighan"), 2032 Carroll av, Chicago, Ill.**
Northfield Iron Co. ("Northfield"), Northfield, Minn.
Oelman Machine Co. ("Detroit"), 224 St. Antoine, Detroit, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Smith T. L. Co., The, 1151 32d, Milwaukee, Wis.
**Sybilla Elevator & Mfg. Co., Chattanooga, Tenn.**
Teal Chas. A. (For Ready Mixed Mortar, etc), 1361 Ridge av, Phila., Pa.
Walker & Elliott, Wilmington, Del.

## 9878a—Mixers (Nitrotulol or "T N T")
Luther Mfg. Co., Olean, N. Y.

## 9879— Mixers (Paint)
**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**FURMAN-FISHER CORP.,** 32 Church, New York. *See adv index at end of book*
Gedge-Gray Co., Lockland, O.

## Mixers (Paint, Power)
See Paint Grinding & Mixing Machinery

## 9880— Mixers (Pan)
Tropenas Converter Co., 2243 Nostrand av, Brooklyn, N. Y.

## 9881— Mixers (Paste)
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BARTLETT, C. O. & SNOW C.,** Fall st, Cleveland, O. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Stokes F. J. Mach. Co., 17 & Cambria, Phila., Pa.

## 9881a— *Mixers (Paving)
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

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## 9882— Mixers (Plaster)
See also Mills, Grinding
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
Day J. H. Co., Cincinnati, O.
Dunning W. D. ("Broughton"), Syracuse, N. Y.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Ehrsam J. B. & Sons Mfg. Co. ("Enterprise"), Enterprise, Kan.
Northfield Iron Co. ("Northfield"), Northfield, Minn.
Ransome Concrete Machinery Co., Dunellen, N. J.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.
Smith T. L. Co., The, 1151 32d, Milwaukee, Wis

## 9882a— Mixers (Portable)
Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 9883— Mixers (Poultry Food)
**Excel Mfg. Co., Pottersville, N. J.**

## 9883a— *Mixers (Road)
Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 9884— Mixers (Rubber)
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
East Iron & Machine Co., 351 E Market, Lima, O.
United Roll & Foundry Co., Ravenna, O.

## Mixers (Sand)
See Sand Mixing Machines

## 9885—Mixers (Sausage Meat)
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**Brecht Co., 1201 Cass av, St. Louis, Mo.**
Smith's John E. Sons Co., Buffalo, N. Y.

## 9885a— Mixers (Sifters)
Abbe Paul O., 30 Broad, New York

## 9885b—Mixers (Steam Jacketed)
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Day J. H. C., Cincinnati, O.
Gedge-Gray Co., Lockland, O.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Stokes F. J. Machine Co., Phila., Pa.,
Stroud E. H. & Co., 934 Fullerton av, Chicago, Ill

## 9886— Mixers (White Lead)
See also Mixers, Paint
Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*
Poole Engineering & Machine Co., Woodberry st, Baltimore, Md.
Ross Chas. & Son Co., 148 Classon av, Brooklyn, N. Y.

## 9887— Mixers & Sifters
**ABBE ENGINEERING CO.,** 216-224 B'way, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Johnson John Co. (Turbine Mixers), 203 37th, Brooklyn, N. Y.

## 9888— Mocassins
Metz & Schloerb (Indian), Oshkosh, Wis.
Russell W. C. Mocassin Co., Berlin, Wis.

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Campbell & Horigan, 4718 Penn, Pittsburgh, Pa.
Church Art Work Co., Mt. Vernon, N. Y.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Dux Jos., 2112 W Van Buren, Chicago, Ill.
Ellin, Kitson & Co., Madison av & 34th, New York
Emmel Chas. & Rose Co., 388 Albany, Boston, Mass.
Emmel Co., 81 Bristol, Boston, Mass.
Evans John & Co., 77 Huntington av, Boston, Mass.
Finke Mfg. Co., 83 Plane, Newark, N. J.
Fischer & Jirouch Co., 4821 Superior av, Cleveland, O.
Francini C., Lexington av & 35th, New York
Haigermoser Jos., 459 Beaubien, Detroit, Mich.
Harnisch Ad A., Syracuse, N. Y.
Klee-Thomson Co., 327 E 40th, New York

Koppe & Steinichen, Atlanta, Ga.
Lamb J. & R., 25 6th av, New York
Lombard & Ludwig, 309 14th N W, Washington, D. C.
Maene Edw., 309 S Lawrence, Phila., Pa.
Milwaukee Ornamental Carving Co., 423 Poplar, Milwaukee, Wis.
Nygard Alfred F., 290 Woodward, Detroit, Mich.
Rackle Geo. & Sons Co. (Artificial Stone), A. B. C. Line, Cleveland, O.
Schneider F. H., 631 W Belden av, Syracuse, N. Y.
Seifert Frank A. Plastic Relief Co., 2627 Dayton, St. Louis, Mo.
Shaw & Co., 864 N. Franklin, Phila., Pa.
Tiffany Studios, 361 Madison av, New York
Tognarelli & Voigt Co., 1743 N 12th, Phila., Pa.
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Walter G. E., 157 E 44th, New York
Whitman Studios, 900 Oxford, Phila., Pa.

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Basic Mfg. Co., Wilmington, Del.
Spanjer Bros., 198 Badger av, Newark, N. J.

## 9891—Models & Experimental Work

See also Pattern & Model Makers

Acme Mfg. Co., 355 Howard, Detroit, Mich.
Allentown Experimental Works, Allentown, Pa.
Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.
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Colburn Gear & Mfg. Co., Inc., 85 Purchase, Boston, Mass.
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Colson F. A. Pattern Works, Buffalo, N. Y.
Connery Machine & Tool Co., 56 Harrison av, Springfield, Mass.
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.
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Dixie Brass & Foundry Co,, Birmingham, Ala.
Eagle Engineering Co., Springfield, O.
Electrical Appliances Mfg. Co., Waterbury, Conn.
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National Stamping & Electric Works, 424 S Clinton, Chicago, Ill.
Nelson Tool Co., Inc., 781 E 142nd, New York
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Petersen Anker (Textile Machy.), 330 Atlantic av, Boston, Mass.
Providence Mfg. & Tool Co., 17 Warren, Providence, R. I.
Reeves Mfg. Co., Milford, Conn.
Rudolph Wm. F., 1308 Girard av, Phila., Pa.
Sandenburg Ernest, 208 E 27th, New York
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S-P Manufacturing Co. (Automobile Motors), 872 E 72d, Cleveland, O.
Saunders Co. (Metal), 1700 Brooklyn av, Kansas City, Mo.
Scalbom Mfg. Co., 11 S Desplaines, Chicago, Ill. *See adv index at end of book*
Scully Pattern & Model Works, S W cor 5th & Delaware, Kansas City, Mo.
Shipman Machine Co., 218 Summer, Boston Mass.
Sloan Novelty Mfg. Co., 20th & Wyandotte, Kansas City, Mo.
Spindler & Deringer, 243 Mercer, Jersey City, N. J.
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
Standard Pattern Works, 5332 St. Clair av, Cleveland, O.
Stierlin Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Stoddard-Jakel Machine & Tool Co., Kerr bldg, 100 Beaubien, Detroit, Mich.
Superior Machine & Engng. Co., 51 E Fort, Detroit, Mich.
S. & I. Co., Springfield, Mass.
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Union Gear & Machine Co., 27 Purchase, Boston, Mass.
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Up-to-Date Tool Co., 81 Wareham, Boston, 18, Mass.
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Vogel William, 68 Nassau, New York
West St. Louis Machine & Tool Co., 606 S Vandeventer av, St. Louis, Mo.
Western Iron & Foundry Co., Wichita, Kan.
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Worcester Gear Works, Inc., 33 N Foster, Worcester, Mass.
Weight Traffic Signal Co., 844 W 6th, Cincinnati, Ohio
Zeidler William A. Co., 182 Locust av, New York
Zuhr Henry, 204 William, New York

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National Oil Products Co., Harrison, N. J.

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Stirrup Mfg. Co., Inc., Market, Newark, N. J.

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Ideal Moistener Co., Findlay, O.
Peerless Moistener Co., 824 S Claremont av, Chicago, Ill.
Scattergood H. W. Co. ("Scattergood"), 1722 W Venango, Phila., Pa.

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Illinois Flower Box Co., 180 N Dearborn, Chicago, Ill.
McCain W. W., Indianapolis, Ind.
Savo Mfg. Co., 39 S La Salle, Chicago, Ill.
Specialty Mfg. Co., 2362 University av, St. Paul, Minn.

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Springfield Facing Co., Springfield, Mass.
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ALIGNUM FIREPROOF PRODUCTS CO., INC., So River, N. J. & 356 Lexington av, New York
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## 9894b—Moldings (Aluminum)

Biele, Chas. F. & Sons Co., 381 W 12th, New York
British Aluminum Co., Ltd., 165 B'way, New York
Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Hough W. S. Jr. Co., 61 Park, Providence, R. I.
METALLIC AUTOMOBILE MATTING CO., 181 York, Rochester, N. Y.
Seligman Arthur, 165 B'way, New York

## 9894c—Moldings (Automobile & Carriage Door)

Empire Art Metal Co., Inc., College Point, L. I., N. Y.
METALLIC AUTOMOBILE MATTING CO., 181 York, Rochester, N. Y.
Niagara Insula-Bake Specialty Co., Albany, N. Y.

## 9894d—Moldings (Ball, Beaded & Piano)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Bounett Nicholas & Co., 619 W Adams, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

## 9894e— Moldings (Carved)

Central Planing Mill & Lumber Co., Louisville, Ky.
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
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Dwight Lumber Co., River Rouge, Detroit, Mich.
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Gould Mfg. Co. (For the Trade Only), Oshkosh, Wis.
Indiana Moulding & Frame Co., La Porte, Ind.
Hartmann-Malcolm Co., 847 N Troy, Chicago, Ill.
Hyde-Murphy Co., Ridgway, Pa.
Indiana Molding & Frame Co., La Porte, Ind.
Johnson & Tomek Co., 1855 W Lake, Chicago, Ill.
Klise' Mfg. Co., Grand Rapids, Mich.
Leslie Jno., 138 W 15th, New York
McClelland T. W. Co., Davenport, Ia.
Morgan Sash & Door Co., 2287 Blue Island av, Chicago, Ill.
N. Y. Carved Moulding Co., 3d av & 139th, New York
New York Wood Working Corp., 502 E 19th, New York
Peirce W. E. & Co., Milford, N. H.
**ROBERTS SASH & DOOR CO.** (For the Trade Only), 920 W 20th, Chicago, Ill.
Stone R. B. & Co., Spencer, Mass.
Syracuse Ornamental Co., Syracuse, N. Y.
Waccamaw Lumber Co., Bolton, N. C.
Waddell Mfg. Co., Grand Rapids, Mich.
Western Builders' Supply Co. (Mgrs. agent), 135 Second, San Francisco, Cal.

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Lawton-Stephens Co., 427 Marcy av, Brooklyn, N. Y.
McCord Mfg. Co., 2587 E Grand Blvd, Detroit Mich.
Zahner Metal Sash & Door Co., Canton, O.

## 9894g—Moldings (Copper, Brass & Bronze)

American Brass Co., Waterbury, Conn.
*For branch offices see adv index at end of book*
Biele Chas. F. & Sons Co.(Nickel Silver), 381 W 12th, New York
Bridgeport Brass Co., Bridgeport, Conn.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cal. Fire Proof Door Co. ("Wilcox"), 1931 S Los Angeles, Los Angeles, Cal.
Cowles C. & Co. (Brass Door), New Haven, Conn.
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Gorham Co. Arch'l Bronze, 5th av & 36th, New York; Works: Providence, R. I.
Hough W. S. Jr. Co., 61 Peck, Providence, R. I.
Kawneer Mfg. Co. ("Kawneer"), Niles, Mich.
Manhattan Brass Co. (Brass & Bronze), 332 E 28th, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Rome Brass & Copper Co., Rome, N. Y.

## 9894h—Moldings (Electric Wiring)

American Circular Loom Co. ("Lutz" Metal), Chelsea, Mass.
American Conduit Mfg. Co., New Kensington, Pa.
American Metal Moulding Co., 145 New Jersey R. R. av, Newark, N. J.
Appleton Elec. Co. ("Pagrip"), Wellington & Paulina, Chicago, Ill.
Central Lumber Co., Chattanooga, Tenn.
Edwards & Co. (Stewart Fixings), 140th & Exterior, New York
Kirkpatrick Mfg. Co. ("Simplex"), Glenwood & N American, Phila., Pa.
Mitchell Moulding Co., 946 W 21st, Chicago, Ill.
National Metal Molding Co. (Metal), 1110 Fulton bldg, Pittsburgh, Pa.
Saulpaugh's J. M. Sons, 180 Lewis, New York
Sheip H. H. Mfg. Co., 6th & Columbia av, Phila., Pa.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Wright & Craycroft, 1448 W 21st, Chicago, Ill.

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American Sash & Door Co., Kansas City, Mo.
Bilek Stephen Co., 2117 S Troy, Chicago, Ill.
Boynton & Co., 1725 Dickson, Chicago, Ill.
Central Wood Turning Co., 610 N E Main, Minneapolis, Minn.
Decker Moulding & Mfg. Co., 9th & Monroe, St. Louis, Mo.
Diebold Lumber & Mfg. Co., 93-99 Wabash av, Pittsburgh, Pa.
Fitzgerald, Speer Co., Pen Argyl, Pa.
Gauger John A. & Co., 1434 W 22d. Chicago, Ill.
Hyde-Murphy Co., Ridgway, Pa.
Kramer Bros. Co., Elizabeth City, N. C.
McKay Angus Co., 724 S Desplaines, Chicago, Ill.
Mertz's Geo. Sons, Port Chester, N. Y.
Morgan Sash & Door Co., 2287 Blue Island av, Chicago, Ill.
National Sash & Door Co., N Dupre & Toulouse, New Orleans, La.
New York Carved Moulding Co., 3d av & 139th, New York
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Peirce W. E. & Co., Milford, N. H.
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Ceppi A. Co., 101 Broadway Exchange, Boston, Mass.
Harsha L. R. Mfg. Co., 2010 Carroll av, Chicago, Ill.
Illinois Moulding Co., 2411 W 23d, Chicago, Ill.
Indiana Moulding & Frame Co., La Porte, Ind.
Klicka Joseph Co., W 20th & S California av, Chicago, Ill.
Larsen C. & Co., 401 N Leavitt, Chicago, Ill.
Lippe & Co., 329 E 29th, New York
P. B. & H. Moulding Co., Syracuse, N. Y.
Pape Bros. Moulding Co., Plum & Canal, Cincinnati, O.
Radford & Wright Co., Oshkosh, Wis.
Roper John L. Lumber Co., Norfolk, Va.
Schock Parlor Frame Co., Minneapolis, Minn.

## 9894m—Moldings (Rope & Twisted, Etc.)

American Wood Working Co., 4345 Wabansia av, Chicago, Ill.
Artistic Wood Turning Works, 515 N Halsted, Chicago, Ill.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
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**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
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Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Erdle Perforating Co., 181 York (Brass & Aluminum), Rochester, N. Y.
*See adv index at end of book*
Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.
General Fireproofing Co., Youngstown, O.
Hale & Kilburn, 18th & Lehigh av, Phila., Pa.
Kawneer Mfg. Co. ("Kawneer"), Niles, Mich.
Lawton-Stephens Co. (Steel, Brass & Bronze), 427 Marcy av, Brooklyn, N. Y.
Manrow Sheet Metal Works, Goshen, Ind.
Miller & Doing, 60 York, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Sanisteel Co., 120 Niagara, Buffalo, N. Y.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Souther E. E. Iron Co., Kienlin & Hamburger, St. Louis, Mo.

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**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y.
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Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Hale & Kilburn, 18th & Lehigh av, Phila., Pa
Kawneer Mfg. Co. ("Kawneer"), Niles, Mich.

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Braun J. G. (For Store Fronts, Stairways, Elevator Enclosures, etc), 609 S Paulina, S Chicago, Ill.
**DAHLSTROM METALLIC DOOR CO.** (Smooth Surface for Electroplating), 413 Buffalo, Jamestown, N. Y.
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Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Flat Metal Mfg. Co. (For Fenders, etc.), 223 W Huron, Chicago, Ill.
Hale & Kilburn, 18th & Lehigh av, Phila., Pa.
Kawneer Mfg. Co. (Storefronts, Stairways, Elevators, "Kawneer," etc), Niles, Mich.
Solar Metal Products Co., Columbus, O.

### 9894r—Moldings (Steel Picture)

Braun J. G., 609 S Paulina, Chicago, Ill.
Empire Art Metal Co. Inc., College Point. L. I., N. Y.

### 9895— Molds (Aluminum)

Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

### 9896—Molds (Babbitt Metal & Solder)

Fanning J. P., 678 Jefferson av, Brooklyn, N. Y.
Haydenville Co., Haydenville, Mass.
Kupferle Jno. C. Foundry Co. (Solder Only), 1st & Wright, St. Louis, Mo.
Modern Iron Works (Half Round, etc.), Quincy, Ill.
Mott J. L. Iron Works, Trenton, N. J.
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
Schweizer Chas. K., 520 N 3rd, St. Louis, Mo.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

### 9897— Molds (Babbitting)

Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
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Eppelsheimer & Co., 34 Hubert, New York
Maag August Co. (Easter Rabbit Cakes, etc), 509 W Lombard, Baltimore, Md.
Racine Confectioners' Machy. Co., Racine, Wis.
Watkins Jas. Y. & Son, 20 Catherine, New York

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Vulcan Iron Works (Bar Lead), 327 N Irving av, Chicago, Ill.

### 9900-1— Molds (Brick)

American Clay Machinery Co., S Walnut, Bucyrus, Ohio
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Arnold-Creager Co. (Hand & Machine), New London, O.
Crorwell James Addison, Wallkill, N. Y.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
International Clay Machinery Co., Dayton, O.
Louisville Machine Co., Louisville, Ohio
Mentz Geo. B. Co., Wallkill, N. Y.
Potts C. & A. & Co., Indianapolis, Ind.
Wiles A. M. & W. H. Co., Grassy Point, N. Y.

### 9902— Molds (Butter)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
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Chapman-Sargent Co. (Round & Square), Piqua, O.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Hall Bros. Co., West Acton, Mass.
Richardi & Bechtold (All Kinds), Bellaire, Mich.
Rowe Henry Mfg. Co., Newaygo, Mich.
Vermont Farm Machine Co., Bellows Falls, Vt.

### 9903— Molds (Button)

**BOGERT & HOPPER, INC.** (Wooden), 57 Barclay, New York
*See adv index at end of book*
Defiance Button Machine Co. (Button Covering), 43 W 24th, New York
Empire Button Mold Mfg. Co., 722 E 11th, New York
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Frary Spool Co., Berlin, N. Y.
Hill Bros. & Co., Williamsburg, Mass.
Hurewitz J., 33 Bleecker, New York
Rhodes Wm. H., Cold Brook, N. Y.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Terkelsen & Wennberg, 328A, Boston, Mass.

### 9904— Molds (Cake)

Chapman Co. ("Chapman"), Geneva, N. Y.

### 9905— Molds (Capsule)

Kutz & Gift, Allentown, Pa.

### Molds (Cement Post)

**See Molds, Concrete; also Cement Post Machinery**

### Molds (Cigar)

**See Cigar Makers' Supplies**

### 9906— Molds (Concrete)

Architectural Mold Co. (For Concrete Columns), Warren & Medrum avs, Detroit, Mich.
Bichler Mfg. Co. (Sewer Pipe & File), St. Joseph, Mo.
Bragstad Concrete Machy Co., Inc., (Slush), Canton, S. D.
Co-Operative Concrete Construction Co. (For Stave Silos), Oskaloosa, Ia.
D. & A. Post Mould Co. ("D. & A." for Cement Fence Posts), Three Rivers, Mich.
Deslauriers Column Mould Co. (Adjustable Steel), Woolworth bldg, New York
Dunn W. E. Mfg. Co., Holland, Mich.
Helm Brick Machine Co., Cadillac, Mich.
Hydraulic Pressed Steel Co.(Pressed Steel), 3152 E. 61st, Cleveland, O.
Ideal Concrete Machinery Co. (Also Architectural Ornaments), 1346 Monmouth av, Cincinnati, O.
Indiana Concrete Mold Co. (For Sidewalk, Curbs & Gutters), Peru, Ind.
Irey John H. (For Blocks), West Liberty, Iowa
Lansing Co. (For Cement Pipe, Columns, Lawn Vases, etc), Lansing, Mich.
Martin Iron Wks., 1222-36 E 28th, Los Angeles, Cal.
Monolithic Silo & Const. Co. (Roof Molds), Peoples' Gas bldg, Chicago, Ill.
Northwestern Steel & Iron Works, Eau Claire, Wis.
Ohio Post Mold Co. (For Concrete Fence Posts), 622 Madison av, Toledo, O.
Raber & Lang Mfg. Co. ("Crescent" for Pipe & Tile), Kendallville, Ind.
Simpson Cement Mold Co. ("Simpson," for Concrete Porches, etc), Maple & West, Columbus, O.
Staple Post Mold Co. (Post Molds), Westerville, O.

### Molds (Copper)

**See Molds, Gold & Silver Bullion**

### 9906a— *Molds (Crucible)

**CROSSLEY MACHINE CO.,** State & Chestnut, Trenton, N. J.
*See adv index at end of book*

### 9907— Molds (Cylinder)

Appleton Wire Works, Appleton, Wis.
Beloit Iron Works, Beloit, Wis.
Bigelow, Cheney Wire Works, Springfield, Mass.
Black-Clawson Co., Hamilton, O.
Clark H. C. & Son Mach. Co., Lee, Mass.
Dilts Machine Works (Inc.), Fulton, N. Y.
Dix Chas. B., Glens Falls, N. Y.
Eastwood Wire Mfg. Co., Belleville, N. J.
Emerson Mfg. Co., Lawrence, Mass.
Gleason Thos. E., East Newark, N. J.
Improved Paper Machinery Co., Nashua, N. H.
Smith & Winchester Mfg. Co., South Windham, Conn.
Ticonderoga Machine Works, Ticonderoga, N. Y.

## 9908—Molds for Electrical Insulation Work

**BURROUGHS CHARLES COMPANY,** Newark, N. J.
*See adv index at end of book*
Columbus Die, Tool & Machine Co. (Hard Fibre, Bakelite, etc.), 955 Cleveland av, Columbus, O.
Terkelsen & Wennberg, 328A, Boston, Mass.

## 9909— Molds (Gagger)

Wadsworth Core Machine & Equipment Co. (For Foundry Use), 10 W Buchtel, Akron, O.

## 9910— Molds (Glass House)

American Mold Co., 235 Cherry, Phila., Pa.
Ayars Machine Co., Salem, N. J.
Burns & Schilling, 589 Kent av, Brooklyn, N. Y.
Centre Foundry & Machine Co., Wheeling, W. Va.
Dixon H. L. Co. (Vanadium Steel, etc), Roslyn Road, Carnegie, Pa.
Early W. J. & Sons (Ltd.) (Vanadium Steel, etc), 812 Sarah, Pittsburgh, Pa.
Evans Mold & Foundry Co., Uniontown, Pa.
Husted-Hall Mould Works, Bridgeton, N. J.
Indiana Mould & Machine Works, Muncie, Ind.
Kelly Nicholas & Son (Vanadium Steel, etc), 1704 Wharton, Pittsburgh, Pa.
Koeppen Mould Works, Marion, Ind.
McKee W. S., 107 Carson, Pittsburgh, Pa.
Maryland Mould & Foundry Co., Cumberland, Md.
Muncie Mould Works, Muncie, Ind.
Northrup B. D., Washington, Pa.
Olive Stove Works, Rochester, Pa.
Patch S. B. & Sons, Streator, Ill.
Rochester Mould & Machine Co., Rochester, Pa.
Valley Star Stove Co., Wheeling, W. Va.
Yockel Chas. & Sons, 1220 N Lawrence, Phila., Pa.
Zahniser Bros. & Stern (Vanadium Steel, etc), Washington, Pa.
Zanesville Mold Co., Zanesville, O.

## 9911—Molds (Gold & Silver Bullion)

**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

## 9912— Molds (Ingot)

Columbiana Boiler Co., Columbiana, O.
Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*
Hyde Park Foundry & Machine Co., Hyde Park, Pa.
Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.
McCormack J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McWilliams Thomas, 237 Eddy, Providence, R. I.
Marshall Foundry Co. (Cast Iron), 28th & R. R., Pittsburgh, Pa.
National Roll & Foundry Co., Avonmore, Pa.
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
Penn Mold & Mfg. Co., The, Works: Dover, O. Main Office, Wheeling Bank & Trust bldg., Wheeling, W. Va.
Sharon Foundry Co. (Steel), Wheatland, Pa.
Standard Machinery Co., Providence, R. I.
Valley Mould & Iron Corp., Sharpsville, Pa.
Wheeling Steel Casting Co. (Steel), Wheeling, W. Va.

## 9913-4-5— Molds (Jelly)

Cassady Fairbank Mfg. Co. (Aluminum), 6126 S La Salle, Chicago, Ill.

## 9916—Molds (Lead Hammer)

Field Chas. H., 113 Point, Providence, R. I.

## 9917— Molds (Maple Sugar)

Grimm G. H. ("Carleton"), Rutland, Vt.

## 9917a— Molds (Porcelain)

Colonial Sign & Insulator Co. (For Surgeon's Rubber Gloves), Akron, O.

## 9918— Molds (Pottery)

Crossley Machine Co., State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
U. S. Gypsum Co. ("Ivory" Pottery Plaster), 205 W Monroe, Chicago, Ill.

## 9919— Molds (Rubber)

**ADAMSON MACHINE CO.,** Akron, O.
*See adv index at end of book*
Akron Equipment Co., Akron, O.
Akron Gear & Engng. Co., 54 E South, Akron, O.
Akron Standard Mold & Machine Co., Akron, O.
Akran Staudard Mold & Machine Co., Akron, O.
Arnold W. E., Malden, Mass.
Baker Wm. H., Trenton, N. J.
Barbour Bros., Trenton, N. J.
Barbour Stockwell Co., Cambridge, Mass.
Bay State Iron Works, Erie, Pa.
Birmingham Iron Foundry, Derby, Conn.
Bogert & Hopper Inc (Balloon, Toys, etc), 57 Barclay, New York
*See adv index at end of book*
Bridgewater Machine Co., Akron, O.
Claflin Engng. Co., Lancaster, O.
Clark Edred W., Hartford, Conn.
Cleveland Rubber Mold Foundry & Machine Co., Warner rd, Cleveland, O.
*See adv index at end of book*
Colburn Gear Mfg. Co., Inc., 85 Purchase, Boston, Mass. *See adv index at end of book*
Crossley Machine Co. (Tire Moulds), State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
Die Sinking & Machine Co., Akron, O.
Eggers Wm. J., 294 Taaffe pl, Brooklyn, N. Y.
**ELMES CHAS. F. ENGINEERING WORKS (INC.),** cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Elyria Machine Co., Elyria, O.
Estes E. B. & Sons (Toy Balloon), 364 5th av, New York
*See adv index at end of book*
Goodyear Tire & Rubber Co., Akron, O.
Hoggson & Pettis Mfg. Co., New Haven, Conn.
Hollander & Johnson, Worcester, Mass.
Holmes Bros., 440 N Sacramento, Chicago, Ill.
Housatonic Machine & Tool Co., Bridgeport, Conn.
Jones & Kuhlke, Akron, O.
Kuhn & Jacob Machine & Tool Co. (For Soft Rubber), Trenton, N. J.
Logan Edw. Machine Co., Trenton, N. J.
McFarland Foundry & Machine Co., Trenton, N. J.
Mahlow & Wyckoff, Trenton, N. J.
Mechanical Mold & Machine Co., Akron, Ohio
Mueller Machine Co., Trenton, N. J.
Nelson Tool Co., Inc., 782 E 142nd, New York *See adv index at end of book*
Nitz & Darkow, Akron, O.
Paralite Co., Swetland bldg., Cleveland, O.
Standard Tire & Rubber Mfg. Co., Willoughy, O.
Stokes F. J. Machine Co. (Hard Rubber), 17th & Cambria, Phila., Pa.
Terkelsen & Wennberg (For Heels & Soles), 328A, Boston, Mass.
Thropp Wm. R & Sons Co., Trenton, N. J.
**THROPP'S JNO. E. SONS CO.,** ft. of Lewis, Trenton, N. J.
*See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*
**WILLIAMS FOUNDRY & MACHINE CO.** Akron, O.
*See adv index at end of book*

## 9920— Molds (Rubber Tire)

Akron Gear & Engineering Co., 55 E South, Akron, O.
Akron Rubber Mold & Machine Co., Akron, O.
Bay State Iron Works, Erie Pa.
**ELMES CHAS. F. ENGINEERING WORKS, INC.,** cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Farrell-Cheek Steel Foundry Co. (Mold Rings), Sandusky, O.
Jones & Kuhlke, Akron, O.
Standard Tire & Rubber Mfg. Co., Hippodrome bldg, Cleveland, O.
Thropp Wm. R. & Sons Co., Trenton, N. J.
**THROPP'S JNO. E. SONS CO.,** ft. of Lewis, Trenton, N. J.
*See adv index at end of book*
Williams Foundry & Machine Co., Akron, O. *See adv index at end of book*

**Akron-Williams engineers** have made rubber tire molds for most of the largest tire factories in the world. We make a complete line of vulcanizing equipment for rubber factories.

**THE WILLIAMS FOUNDRY & MACHINE CO.,**
**Akron, Ohio, U. S. A.**

## 9920a—*Molds (Rubber, Turned Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 9921— Molds (Soap)

G. & P. Engraving Co., Wollaston, Mass.

## 9922— Molds (Soft Metal)

Fogg A. A. (Spelter Britannia Metal, Antimonial, Lead, etc.), Meriden, Conn.
Jeppener Paul (White Metal), 114 Center, New York

## 9923— Molds (Split)

Marshall Fdry. Co. (Cast Iron), 28th & R. R., Pittsburgh, Pa.

## 9924— Molds (Sugar)

Blymyer Iron Works Co., Cincinnati, O.

## 9925— Molds (Tack)

Haydenville Co., Haydenville, Mass.
Knapp Mfg. Co., 48 Warren, New York
Peck Bros. & Co., New Haven, Conn.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 9925a— Molds (Tassel)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 9925b— Molds (Wooden)

Baker-McMillen Co. (For Surgeons' Rubber Gloves), Akron, O.

## 9926—Molybdate of Ammonia

Mineral Product Mfg. Co., Wilmington, Del.
**RARE METAL PRODUCTS CO.,** Belleville, N. J.
**YORK METAL & ALLOY CO.,** York, Pa.

## 9927— Molybdenite

American Metal Co. (Ores), 61 B'way, New York
Foote Mineral Co., 107 No 19th, Phila., Pa.

## Molybdenum

See Ferro-Molybdenum

## 9927a—Molybdenum (Metallic)

Foote Mineral Co., 107 N 19th, Phila., Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Pfanstiehl Co., No. Chicago, Ill.

## 9927b—*Monel Metal Fabrications

**FURMAN-FISHER CORP.,** 32 Church, New York *See adv index at end of book*

## 9927c—*Monel Metal Manufactured Articles

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

## 9927d— *Monel Metal Parts

Bell Co. (The), 1555 Fillmore av, Buffalo, N. Y. *See adv index at end of book*

## 9927e— Monel Metal Scrap

Bers E. & Co., 10 Desbrosses, New York
Nelson Ira I., 10 High, Boston, Mass.

## 9927f— Monobrombenzol

Aniline Dyes & Chemical Inc., 134 Cedar, New York
Dow Chemical Co., Midland, Mich.
Electro Bleaching Gas Co., 18 E 41st, New York
Hooker Electrochemical Co., 40 Wall, New York
Marden, Orth & Hastings, 136 Liberty, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York

## 9927g— Monochlorbenzol

Dow Chemical Co., Midland, Mich.
Niagara Alkali Co., Niagara Falls, N. Y.
**ROLLIN CHEMICAL CORP.,** 120 B'way, New York *See adv index at end of book*

## 9927h— *Monochrome

**INNIS, SPEIDEN & CO., INC.,** 46 Cliff, New York *See adv index at end of book*

## 9928— Monograms

See also Name Plates

American Bronze Corp., Berwyn, Pa.
Blackinton V. H. & Co., Attleboro Falls, Mass.
Chicago Art Metal Works, 300 W Lake, Chicago, Ill.
Enterprise Mfg. Co. (Harness), Akron, O.
Fine Horace E. Co. (Brass), Trenton, N. J.
Greacen Walter & Co. (Harness), 480 Washington, Newark, N. J.
Grote F. & Hubbell Co. (Iron), 82 4th av, New York
Harris Benj. Co. (Automobile), 229 Bowery, New York
Knight H. W. & Son (Brass or White Metal Monograms & Trade Marks), Seneca Falls, N. Y.
Matthews Jas. H. & Co. (Automobile & Motor Boat), 3942 Forbes, Pittsburgh, Pa.
Mulhaupt F. Jos. (Metal), Lafayette, Ind.
Newark Brass Plate Engraving Co., 52 Lawrence, Newark
Reynold-Zahn Co. (Harness), 46 Mechanic, Newark, N. J.
Schneider Louis (Pocket Book), 249 Market, Newark, N. J.
Spanjer Bros. (Wood), 198 Badger av, Newark, N. J.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

## 9928a—Mono-Rail Systems (Trolley & Trolley Tracks)

Cameron Engineering Co., East Stroudsburgh, Pa.
Euclid Crane & Hoist Co., Euclid, O.
*See adv index at end of book*

MONORAIL SYSTEMS & HOISTS
THE EUCLID CRANE & HOIST CO.
EUCLID, OHIO

Pawling & Harnischfeger Co., Milwaukee, Wis. *See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 9928b—Monorail Tracks (Hoists)

Cameron Engineering Co., E Stroudsburg, Pa.
**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*

## 9928c—Montejus (Automatic)

General Ceramics Co., 50 Church, New York
Lummus Walter E. Co. ("Metrolift"), 171 Milk, Boston, Mass.

## 9928d— Monuments

Consumers' Monument Co., Ball Ground, Ga.
Daprato Statuary Co., 766 W Adams, Chicago, Ill. *See adv index at end of book*
Lamb J. & R., 25 6th av, New York
Newman A. J. (Marble & Stone), Shreveport, La.

## Monuments & Statuary (Bronze)

See Bronze Monuments & Statuary

## 9928e— Mooring Rings

Thacher Propeller & Foundry Corp., Albany, N. Y.

## 9929—Mop Sticks & Holders

See also Handles, Mop

Arcade Mfg. Co. ("Gem," "Freeport," "Arcade," "Standard," Screw, "Trojan"), Freeport, Ill.
Boyer A. Broom Co. ("Daisy" Spring Mop Sticks), Galesburg, Ill.
Cohankus Mfg. Co., Paducah, Ky.
Cupples Sam'l, Woodenware Co., 7th & Spruce, St. Louis, Mo.
Eagle Specialties Mfg. Co., Jamestown, N. Y.
Erie City Mfg. Co. ("Arrow"), Erie, Pa.
Faultless Anchor & Mfg. Co., Centerbug, Ohio
Hagglund H. E. ("New Departure), 410 W Elm, Chicago, Ill.
Parks & Parks ("Trojan" & "Taylor"), Troy, N. Y.
Peirce W. E. & Co., Milford, N. H.
Penn Mfg. Co. (Sticks only), North Girard, Pa.
Stover Mfg. & Engine Co. ("Trojan" & "Keene Pat'n"), Freeport, Ill.
U. S. Mop Co. ("Easy" Janitor Sticks), Toledo, O.

## 9930—Mops (Cloth, Combination Wringers, Etc.)

American Bread & Pastry-Board Co. ("Harris," Self-Wringing), Cambridge, O.
Atlanta Variety Works, Atlanta, Ga.
Auburn Brush Co., Auburn, Me.
Bay State Brush & Mop Co., Woburn, Mass.
Bay State Mop Co. (All Kinds), Woburn, Mass.
Brush Mop Co. ("Brush"), 419 Lafayette, New York
Cedar-Sweep Co. ("C. S. C." Dustless), Los Angeles, Cal.
Channell Chemical Co. ("O-Cedar"), 4501 Western blvd, Chicago, Ill.
Coffin Stanley H. ("Stanley"), 12 Pearl, Boston, Mass.
Dunlap Mfg. Co. ("Oil of Gladness"), Bloomington, Ill.
Eagle Woodenware Mfg. Co. ("Rex" Dish Mops, etc), Hamilton, O.
Eilert C. H. (Floor & Dish), Evansville, Ind.
Erie City Mfg. Co. ("Arrow," Self Wringing), Erie, Pa.
Erie Mop & Wringer Co., Erie, Pa.
Hamblin & Russell Mfg. Co. ("Champion" Self Wringing), Worcester, Mass.
Hilker Edward Mop Co. ("Hilker" Self Wringing & Oil), 2614 W Grand av, Chicago, Ill.
Hoag Duster Co. ("Iowa" Salutary), Monticello, Ia.
Howard Dustless Duster Co. (Wet & Dry), 290 Franklin, Boston, Mass.
Imboden I. C. Mfg. Co. ("I. C. I." Easy Wringing), Cleona, Pa
Imperial Mfg. Co. ("Harris" Self Wringing), Cambridge, O.
Massasoit Mfg. Co., Fall River, Mass.
Meerse J, 2nd & John, Cincinnati, O.
Milton Chemical Co. ("B. B." Dustless, Floor & Dustless Dust Cloths, also Chemically Treated Cloth), 156 Sixth, Cambridge, Mass.
Mishler Mfg. Co. (Cotton & Linen Mop Cloths), Smithville, O.
No-Mar Mfg. Co. ("No-Mar" Chemical Dust Mops), Cleveland, O.
Ohio Duster Co. ("Elite" Chemical), Cleveland, O.
Opie J. W. Brush Co. (Mop Wringers Only), Kansas City, Mo.
O-So-Ezy Products Co., 1423 Carroll av, Chicago, Ill.
Pioneer Mfg. Co. ("Shino" Chemical Dust Mop), Harvard av & E 103d, Cleveland, O.
Plunkett Chemical Co. (Self-adjusting Handle), 2540 Cottage Grove av, Chicago, Ill.
Richards Fred J., Springfield, Mass.
Sterling Mfg. Co., Reading, Mass.
Stover Mfg. & Engine Co. ("Ideal" Spring, "Ideal" Screw, Lever Spring, etc), Freeport, Ill.
Tate Mfg. Co. (Wet & Dry), 48 Hanover, Boston, Mass.
Toothey M. J. Co., Fall River, Mass.
U. S. Mop Co. ("E. Z.," "Sweater Knit," "Easy" Wringer Mop), Toledo, O.
Wax Brush Co. ("Bewaxo"), 56 Sanford, Boston, Mass.
Wizard Products Co. ("Wizard" Triangle Polish Dust Absorbing Mops), 1444 W 37th, Chicago, Ill.

## 9931— Mops (Cotton)

Alabama Broom & Mattress Co., Huntsville, Ala.
Bix Janitor Supply Co. ("Bix"), 116 N th, St. Louis, Mo.
Blakely Jno. & Son, 1089 Gtn. av, Phila., Pa.
Bromwell Brush & Wire Goods Co., 612 W 6th, Cincinnati, O.
Burdett Mfg. Co., Kansas City, Mo.
California Cotton Mills Co., Oakland, Cal.
Central Mills Co., Southbridge, Mass.
Channell Chemical Co. ("O-Cedar"), 4501 Western blvd, Chicago, Ill.
Chattanooga Broom & Mop Co., Chattanooga, Tenn.
Cohankus Mfg. Co., Paducah, Ky.
Dale Margaret, Arlington, Mass.
Eagle Specialty Mfg. Co. ("Invincible Helper"), Jamestown, N. Y.
Eilert C. H. ("Home," "Eclipse," "Economy," "Diamond"), Evansville, Ind.
Estes Mills ("O K" "Alpha," "Acme," "Slasher" & "Bee" Floor & Dish Mops), Fall River, Mass.
Fricke J. E. Co., 247 Market, Phila., Pa.
Hall, Lincoln & Co., 154 Milk, Boston, Mass.
Hall W. & Co., Lansdowne, Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Maddock Textile Co., Milford Centre, O.
Massasoit Mfg. Co., Fall River, Mass.
Milton Chemical Co. ("B. B.") 156 Sixth, Cambridge, Mass.
Nawrath J. P. & Co., 109 Wooster, New York
O-So-Ezy Products Co., 1423 Carroll av, Chicago, Ill.
Richards Fred J., Springfield, Mass.
Sanderson L. M. (Dish), Haydenville, Mass.
Southern Mills Corp'n, Oxford, Ala.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
Toohey M. J. & Co., Fall River, Mass.
Tuscaloosa Mills, Tuscaloosa, Ala.
Universal Brush Co. ("Champion," Dry Floor & National Wall & Ceiling), 181 Quincy, Chicago, Ill.
Yocona Mills, Water Valley, Miss.

## 9932— Mops (Polish)

Channell Chemical Co. ("O-Cedar"), 4501 Western blvd, Chicago, Ill.
Dearborn Duster Co. ("Decoline" Oil & "Rublite," Waxed Dust), 550 W Harrison, Chicago, Ill.
Duncan Bros. Mop Co., 2614 Grand av, Chicago, Ill.
Hayden E. W. Co., Toledo, O.
Lewis Samuel ("Wundermops"), 73 Barclay, New York
O-So-Ezy Products Co., 1423 Carroll av, Chicago, Ill.
Pioneer Mfg. Co. ("Shino"), Harvard av & E 103rd, Cleveland, O.
Restorall Products Co., 189 Pearl, New York
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
U. S. Mop Co. ("Easy"), Toledo, O.

## 9933— Mops (Roofing)

Barrett Co., 17 Battery pl, New York
Opie J. W. Brush Co., Kansas City, Mo.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.

## 9934— Mordants

Durfee Winthrop C. (Chrome for Cotton & Leather, Neutral Chrome), 516 Atlantic av, Boston, Mass.
Providence Drysalters Co., East Greenwich, R. I.

## 9935— Morphine

McKesson & Robbins, 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
New York Quinine & Chemical Works, 135 William, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.

## 9936— Mortar Color Mfrs.

Atlas Co., Lincoln, N. J.
Atlas Paint Co., Sharpsburg, Pa.
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
Calvert Mortar Color Works, Warner & Wooster, Baltimore, Md.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Chattanooga Paint Co. ("Eclipse), Chattanooga, Tenn.
Cleveland Iron Ore Paint Co., Cleveland, O.
Clinton Metallic Paint Co. ("Clinton"), Clinton, N. Y.
Connors Wm. Paint Mfg. Co., Troy, N. Y.
Doggett Stanley, 11 Cliff, New York
Erwin Henry & Sons, Bethlehem, Pa.
French Saml. H. & Co., 4th & Callowhill, Phila., Pa.
Horn A. C. Co., Horn bldg, Long Island City, N. Y.
Imperial Paint Co. ("Imperial"), 80 10th, Long Island City, N. Y.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Lancaster Paint & Glass Co., Lancaster, Pa.
Lookout Paint Mfg. Co., Chattanooga, Tenn.
Macneal James B. & Co., Warner & Wooster, Baltimore, Md.
Mepham G. S. & Co., 20th & Lynch, East St. Louis, Ill.
Parker, Preston & Co., Norwich, Conn.
Pecora Paint Co., Sedgley av, Phila, Pa.
Pittsburgh Iron Paint Co. ("Keystone"), N S. Pittsburgh, Pa.
Prince Mfg. Co., 165 Broadway, New York
Ricketson Mineral Paint Works ("Red Brick"), South Bay, Milwaukee, Wis.
Roll Mfg. Co., Waterloo rd, Cleveland, O.
Toch Bros. ("Edinburgh"), 320 5th av, New York
Waldo E. M. & F. (Selling Agents), 11 Broadway, New York
Wells Jas. M. Co. ("Colorific"), Ogdensburg, N. Y.
Wilhelm A. Co., Reading Pa.
**WILLIAMS C. K. & CO.**, Easton, Pa.
*See adv index at end of book*

## 9937—Mortar (Patent Soapstone)

American Soapstone Finsh Co., Chester Depot, Vt.

## 9938— Mortar (Prepared)

Higginson Mfg. Co. ("Higginson's," for Plastering & Finishing Walls), Newburgh, N. Y.
Hydrated Lime Bureau, Arrott bldg, Pittsburgh, Pa.

## 9939— Mortars (Crushing)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.

## 9940— Mortars (Drug)

Sperry D. R. & Co., Batavia, Ill.

## 9940a—Mortars (Turned Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 9941—Mortisers (Chain Saw)

New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.

## Mortisers (Hollow Chisel)

See Hollow Chisel Mortising Machines

## Mortisers (Sash Pulley)

See Pulley Mortising Machines

## 9942— Mosaic Cube Importers

Jackson C. D. & Co., 105th & E. R., New York
Pisani Bros., 815 Vernon av, Astoria (Boro. of Queens), N. Y.
Rossman Robt. Co., 154 W. 49th, New York
Tompkins, Kiel Marble Co., 505 5th av, New York
Toscani J. L. Co., 930 E 178th, New York
Whitestone Marble Co. (Domestic Mfrs), Atlanta, Ga.

## Mosaic Floors (Hardwood)

See Floors, Parquet

## Mosaics (Ceramic)

See Mosaics, Floor

## 9943— Mosaics (Floor)

Alexander & Reid Co. (Circular), 355 W 36th, New York
American Marble Mosaic Co., 534 Market, Milwaukee, Wis.
Art Mosaic & Tile Co., Toledo, O.
Batterson & Eisele, Main Office & Works: Edgewater, N. J.
Belfi Bros. & Co., 1933 Market, Phila., Pa.
Brooklyn Vitrified Tile Works, 92 3rd, Brooklyn, N. Y.
Caretti John & Co., 53 Austin, Chicago, Ill.
Cassini Mosaic & Tile Co., 1027 B'way, Cincinnati, O.
Central Mosaic & Tile Co., Memphis, Tenn.
Church Art Work Co., Mt. Vernon, N. Y.
Daprato Statuary Co. (Marble & Venetian), 766 W. Adams, Chicago, Ill.
Davia Bros., 151 W 24th, Chicago, Ill.
Davis Marble Co., 1450 W North av, Chicago, Ill.
De Paoli Mosaic Association, 10 Damrell S Boston, Mass.
Drake Marble & Tile Co., 607 2nd av S, St. Paul, Minn.
Hawes & Dodd, 59 E Adams, Chicago, Ill.
Illinois Mosaic Tile Co., 3601 S Ashland av, Chicago, Ill.
Italian Marble Mosaic Co., 431 Spruce, Phila., Pa.
Italian Mosaic & Marble Co., Buffalo, N Y
Jackson Wm. H. Company, 2 W 47th, New York
Keating M. & Son Co., 4046 Wentworth av, Chicago, Ill.
Kramig R. E. & Co., 8th & Eggleston av, Cincinnati, O.
Lage B. H., 484 Greenwich, New York
Lautz Co., Buffalo, N. Y.
Lorenzen Chas. F. & Co., 105 N Clark, Chicago, Ill.
McLaury D. H. Tile Co., 103 Park av, New York
Mart & Lawton, 1123 B'way, New York
Marthens Chester N. Marble Co., W 53d & Wallace, Chicago, Ill.
Martina Mosaics Co., 132 E Pearl, Cincinnati, O.
National Mosaic Co., 338 Pennsylvania av, Washington, D. C.
National Mosaic Tile Co., 2100 S Kedzie av, Chicago, Ill.
Pelli Alexander & Co., 509 E 120th, New York
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
Rinaldi Tile Co., 263 Atlantic av, Boston, Mass.
Roman Mosaic & Tile Co., Inc., 435 Green, Phila, Pa.
Rossman Robert Co., 154 W 49th, New York
Seifert Frank A. Plastic Relief Co., 2627 Dayton, St. Louis, Mo.
Sharpless & Watts Co., 1520 Sansom, Phila., Pa.
Shipway Jno. H. & Bro., Locust av & E 136th, New York
Standard Mosaic Tile Co., 525 S Peoria, Chicago, Ill.
Tiffany Studios, 361 Madison av, New York
Toscani Jno. L. Co., 930 E 178th, New York
Traitel Marble Co., Webster av & E. R., Long Island City, N. Y.
Twin City Tiling Co., 16 W North av N S, Pittsburgh, Pa.
Venetian Marble Mosaic Art Co., 211 Monroe, Detroit, Mich.
Venetian Mosaic & Granitoid Co., 2233 Clark av, St. Louis, Mo.
Waterman & Judge, 39 Court, Boston, Mass.
Weary & Beck, 1732 S Michigan av, Chicago, Ill.

## 9944— Mosaics (Glass)

American Mosaic & Tile Co., Louisville, Ky.
Batterson & Eisele, Main Office & Works: Edgewater, N. J.
Giannini & Hilgart, 222 W Madison, Chicago, Ill.
Tiffany Studios, 361 Madison av, New York
Toscani Jno. L. Co., 930 E 178th, New York

## Mosaics (Marble)

See Mosaics, Floor

## Mosaics (Roman & Venetian)

See Mosaics, Floor

## 9945— Moss

American Fibre Co., Jacksonville, Fla.
Boston Excelsior Co. (Upholstery), 11th av & 29th, New York
Payne & Co., Dayton, O.
Philadelphia Excelsior Co., 716 N 3d, Philadelphia, Pa.

## 9946— Moss (Irish)

Bird J. A. & W. & Co. (Imp. Unground & Ground), 88 Pearl, Boston, Mass.


# NOTICE

An object of this book is to give complete lists of the manufacturers of every article made from iron and steel. Consult the Index of Contents for the particular product required. If it is not to be found in the Register, kindly advise and we will supply the deficiency.

**S. E. HENDRICKS CO., Inc.**
**2 W. 13th Street, New York City**

Haskins L. M., 131 State, Boston, Mass.
Keller Robert, 324 N 3d, Phila., Pa.
Lathrop H. R. & Co., 116 Beekman
Oxidite Mfg. Co., Arlington, Mass.
Schwenker W. M., 342 E 92d, New York

## 9947— Moss (Peat)

Atkins & Durbrow ("O. K."), 157 Water, New York
Schellings C. J. & Co. (Imp), 160 Pearl, New York

## 9948— Moss (Sea)

Boston Excelsior Co., 562 W 29th, New York
Payne & Co., Dayton, O.
Philadelphia Excelsior Co., 716 N 3d, Philadelphia, Pa.
Selle H. W. & Co., 1000 N Halsted, Chicago, Ill.
Whitney H. W., 305 S La Salle, Chicago, Ill.

## 9949— Moss (Tree)

Borgwardt & Ernst Co., 1234 W Chicago av, Chicago, Ill.
Boston Excelsior Co., 562 W 29th, New York
Kohlmann Moss & Cotton Felt Co., 3101 Chartres, New Orleans, La.
Luce Geo. D., Hagan av & St. Peters, New Orleans, La.
National Fibre Products Co., 321 S Jefferson, Chicago, Ill.
Phoenix Furniture Co., Charleston, S. C.
Schloss E. (Est. of), Baton Rouge, La.
Schwing R. T. Co., Inc., Plaquennine, La.
Snell, Chas. W. Co., 321 Jefferson, Chicago, Ill.
Whitney H. W., 305 S La Salle, Chicago, Ill.

## 9949a—*Motion Picture Studio Engineers

E. J. Electric Installation Co., 223 W 33rd, New York *See adv index at end of book*


**MOTION PICTURE STUDIO ENGINEERS**

Complete Electric Equipment Designed and Installed in Studios and Laboratories of Fox Film, Norma Talmadge, Jackson Film Studios, Kineto, Kinograms, Real Arts, Paramount, Famous Players-Lasky.

**E-J ELECTRIC INSTALLATION CO.,**

223 W. 33rd Street New York City


## 9950— Motions (Reducing)

Ashcroft Mfg. Co. ("Houghtaling" for Indicators), 119 W 40th, New York
Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.

## 9951—Motor Boat, Launch & Yacht Builders

For Designers see Architects, Naval; see also Ship Builders

Abercrombie & Fitch Co. (Motor Canoes), Madison av & 45th, New York
Adams F. C., East Boothbay, Me.
Albany Boat Corp'n, Watervliet, N. Y.
American Boat Co. (Cat), Detroit, Mich.
Atlantic Boat Co. (Power Boats, Dory Skiffs, Launches, etc), Amesbury, Mass.
Benton Electric Co. (Launches), La Crosse, Wis.
Bridgeport Motor Co., Bridgeport, Conn.
Burger Boat Co., Manitowac, Wis.
Burgess W. Starling Co. (Ltd.), (Yachts), Marblehead, Mass.
Camden Anchor-Rockland Machine Co., Camden, Me.
Cape Cod Ship Building Corp. (Cruisers, Dories, Fishing Boats, etc., from 10 to 20 ft.), Wareham, Mass.
Carleton Canoe Co. (Boats & Canoes), Old Town, Me.
Champaign Bros., Ithaca, N. Y.
College Point Boat Corp. (Wooden), College Point, L. I., N. Y.
Cooley Wright Mfg. Co., Waterbury, Vt.
Darrow F. H. Steel Boat Co., Albion, Mich.
De Foe Boat & Motor Works, Bay City, Mich.
Detroit Boat Co. (Gasoline, Wooden Boats, Launches & Canoes), Kerchol & Connors av, Detroit, Mich.
Dunphy Boat Mfg. Co., Eau Claire, Wis.
Elco Co. ("Elco" Motor Boats, Launches & Yachts), Bayonne, N. J.
Electric Boat Co. (Submarine Boats), Groton, Conn.
Fairfield Auto Co. (Auto Boats, Launches, etc), Bridgeport, Conn.
Fay & Bowen Engine Co., Geneva, N. Y.
Fry L. E. & Co. (Boats), Clayton, N. Y.
Gas Engine & Power Co. & Chas. L. Seabury Co., Cons. (Naphtha, Alco-Vapor & Gasoline Auto Boats & Launches & Steam & Sail Yachts), Morris Heights, New York
Great Lakes Boat Building Corp., 333 Becher, Milwaukee, Wis.
Hacker John L. Boat Co., Watervliet, N. Y.
Hansen A. (Motor Boats & Launches), ft. Bay 35th, Brooklyn, N. Y.
Herreshoff Mfg. Co. (Yachts, etc), Bristol, R. I.
Hodgdon Bros. (Boats), East Boothbay, Me.
Holland Torpedo Boat Co., Groton, Conn.
Hunter-Everett Boat Co. (Motor Boats, Launches, etc), McHenry, Ill.
Jacob Robt. (Yachts), City Island, N. Y.
Kneass Geo. W., 18th & Illinois, San Francisco, Cal.
Kyle & Purdy (Yachts), 282 King av, City Island, N. Y.
Lake Erie Drydock & Mill Co., Sandusky, O.
Lake Shore Engine Works (Motor Boats, Launches, etc), Marquette, Mich.
Lake Torpedo Boat Co. (Submarine Boats), Bridgeport, Conn.
Lawley Geo. & Son Corp., Neponset, Boston, Mass.
Leyare Boat Works, Ogdensburg, N. Y.
Luders Marine Construction Co., Stamford, Conn.
Mathis Yacht Building Co., Camden, N. J.
Matthews Co., Port Clinton, O.
Michigan Steel Boat Co. (Steel Launches, Row Boats, Canoes, etc.), Kercheval & Connors, Detroit, Mich.
Miller Geo. H. (Yachts), Patchogue, N. Y.
Milton Boat Works (Boats, Yachts, etc.), Rye, N. Y.
Moore Sam'l L. & Sons, Elizabeth, N. J.
Mullins Body Corp. (Steel & Wood), 341 Franklin, Salem, O.
Munn Thos. C. Co., Wilmington, Del.
Murray & Tregurtha Co. (Yachts, Launches, etc), 340 W 1st, South Boston, Mass.
N. Y. Yacht, Launch & Engine Co., Morris Heights, N. Y.
Niagara Motor Boat Co., North Tonawanda, N. Y.
Nock F. S. (Boats, etc), East Greenwich, R. I.
Palmer Bros., Coscob, Conn.
Peo Leon L. & Co. (Launches, etc), Cape Vincent, N. Y.
Pioneer Boat & Pattern Co., Bay City, Mich.
Poekel T. Sch. & Co., Neponset, Boston, Mass.
Pusey & Jones Co. (Yachts), Wilmington, Del.
Racine Boat Co. (Gasoline & Steam Launches, Sailing Yachts, etc), Racine, Wis.
Ramaley Boat Co., Wayzata, Minn.
Raulf Mfg. Co. (Steel), 560 Vedder, Chicago, Ill.
Red Wing Motor Co., Red Wing, Minn.
Richardson Boat Co., No. Tonawanda, N. Y.
Rippley Mfg. & Steel Boat Co. (Steel), Grafton, Ill.
Rochester Boat Wks., Inc., Charlotte Station, Rochester, N. Y.
Ruddock Yacht Works (Auto Boats, Launches, etc), 213th & Harlem River, New York
Rushton J. H. (Boats, Canoes, etc), Canton, N. Y.
Schaefer Mfg. Co., Berlin, Wis.
Smith & Williams Co. (Boats), Salisbury, Md.
Stamford Motor Co. (Launches, Motor Boats, etc), Stamford, Conn.
Stearns & McKay Co. (Launches, Yachts, etc), Marblehead, Mass.
Toppan Boat Mfg. Co. (Dories, Launches, etc), 87 Washington No., Boston, Mass.
Twigg Jno. & Sons, 698 Illinois, San Francisco, Cal.
Valley Boat Co., Saginaw, Mich.
Versoy Irving R., Morris Cove, New Haven, Conn.
Weller's Hiram Sons Co., Trenton, N. J.
White E. M. & Co. ("White" Motor Boats), Old Town, Me.
Winona Machine & Boat Works (Launches), Winona, Minn.
Wright U. G., Paulsboro, N. J.

## 9952— Motor Cloth

Boston Woven Hose & Rubber Co., ("Rubberized" "Twintite"), Cambridge, Mass.
Standard Paint Co., ("Ru-ber-oid"), 233 Broadway, New York

## 9953— Motor Cycle Parts

Detroit Screw Works., 348 Franklin, Detroit, Mich.
Ives Mfg. Co., Owego, N. Y.
Matthews Mfg. Co., 104 Gold, Worcester, Mass.
Oakes Co (Stamped), Indianapolis, Ind
Otter Mfg. Co., Inc., 243 W 17th, New York
Standard Turnbuckle Co., Corry, Pa.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

## 9954— Motor Cycles

See also Bicycle Manufacturers

Cleveland Motor Cycle Mfg. Co. ("Cleveland' Light Weight), 7209 Platt av, Cleveland, O.
Cyclemotor Corp., 149 Cady, Rochester, N. Y.
Emblem Mfg. Co., Angola, N. Y.
Excelsior Motor Mfg & Supply Co. ("Excelsior"), 3701 Cortland, Chicago, Ill.
Great Western Mfg. Co. ("Crown"), La Porte, Ind.
Harley-Davidson Motor Co., 3732 Chestnut, Milwaukee, Wis.
Hendee Mfg. Co. ("Indian"), Springfield, Mass.
Henderson Motor Cycle Co., 584 Franklin, Detroit, Mich.
Johnson's Iver Arms & Cycle Works ("Iver Johnson"), Fitchburg, Mass.
Miami Cycle & Mfg. Co. ("Flying Merkel"), Middletown, O.
Motorcycle Equipment Co. ("Marvel"), Hammondsport, N. Y.
Peerless Motorcar Co., Quincy av & E 93rd, Cleveland, O.
Pope Mfg. Co. ("Pope"), Hartford, Conn.
Reading Standard Co. ("R.-S."), Reading, Pa.
Schickel Motor Co., Stamford, Conn.
Shaw Mfg. Co. ("Shaw" & "Kokomo"), Galesburg, Kan.
Waverly Mfg. Co. ("Jefferson"), Jefferson, Wis.
Westfield Mfg. Co., Westfield, Mass.

## 9954a—Motor Generators (Battery Charging)

Carter Electric Co., Atlanta, Ga.
Eck Dynamo & Motor Co., Belleville, N. J.
Electric Products Co., Clarkstone rd, Cleveland, O.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Lincoln Electric Co., Cleveland, Ohio

## 9955—*Motor High Speed Reducers

**FOOTE BROS. GEAR & MACHINE CO.**, 213 N Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.**, 1001 Washington blvd., Chicago, Ill.
*See adv index at end of book*

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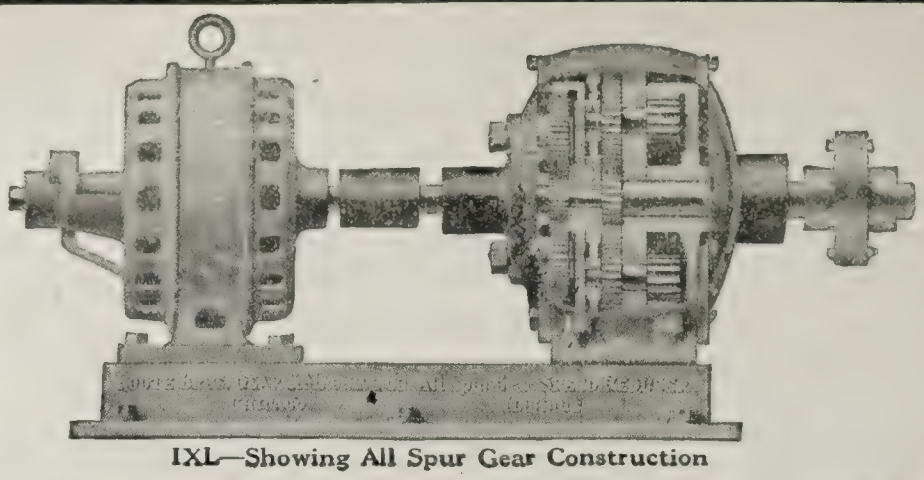
**For Reducing or Increasing Speeds —Any Ratio**



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### 9956—*Motor Speed Reduction

**FOOTE BROS. GEAR & MACHINE CO.,** 213 N Curtis, Chicago, Ill .
*See adv index at end of book*
**GANSCHOW WM. CO.,** 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*

### 9957— Motor Starters

**See also Rheostats**

Allen-Bradley Co. ("Allen-Bradley" Automatic), 286 Greenfield av, Milwaukee, Wis.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**CUTLER-HAMMER MFG. CO.** (For All Purposes), 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Detroit Fuse & Mfg. Co. ("Detroit" Three Phase), 1400 Rivard, Detroit, Mich.
Dyneto Electric Corp., Syracuse, N. Y.
**ELECTRIC CONTROLLER & MFG. CO.** (Hand & Automatic), Cleveland, O.
*See adv index at end of book*
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Industrial Controller Co. ("I. C."), 890 Greenbush, Milwaukee, Wis.
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
Motor Compressor Co. (Aeroplane), 52 Dickerson, Newark, N. J.
Rowan Controller Co., 308 N Holliday, Baltimore, Md.
Sevison Electric Co., Elkhart, Ind.
Snow & Petrelli Mfg. Co. (Safety For Marine), ("Joes"), New Haven, Conn.
Union Electric Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.
Wagner Elec. Mfg. Co., 6400 Plymouth, St. Louis, Mo.
Ward Leonard Electric Co., Mt. Vernon, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

### 9958-9—Motors (Adjustable Speed)

Beal Joseph & Co. (Dealers), 465 Atlantic av, Boston, Mass.
Eck Dynamo & Motor Co., Belleville, N. J.
Ideal Electric & Mfg. Co., Mansfield, O.
Imperial Electric Co., Akron, O.
**RELIANCE ELECTRIC & ENGINEERING CO.,** 1064 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

### Motors (Aeronautical)

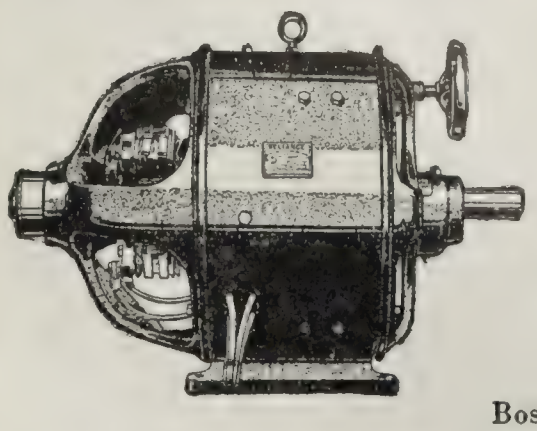
**See Engines, Airplane**

### 9960— Motors (Air)

Cleveland Pneumatic Tool Co., 6410 Hawthorne, Cleveland, Ohio
Dake Engine Co. (& Steam "Dake", Reversible), Grand Haven, Mich.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Independent Pneumatic Tool Co., 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Imperial," "Little Tugger"). **A complete line of** Air Motors, Pumps, Hoists, Tools and Compressors. Our latest bulletin on any of these lines will be sent on request. 11 Broadway, New York
*See adv index at end of book*
Roto Co. ("Roto") Hartford, Conn.
Underwood H. B. & Co., 1025 Hamilton, Phila., Pa
Union Machine Co., 183 University av, St. Paul, Minn.
Universal Machinery Co., 784 30th, Milwaukee, Wis.

### 9961—Motors (Alternating Current)

For Motors, Direct Current, see Firms in Dynamo & Motor Mfrs. with the word Direct following their name
Advance Electric Co., 6315 Maple, St. Louis, Mo.
Allis-Chalmers Co. ("Bullock"), Milwaukee, Wis.
Bell Electric Motor Co., Garwood, N. J.
Bissell F. Co. (Small Motors), Toledo, O.
Burke Electric Co., Erie, Pa.
Century Electric Co., 19th & Pine, St. Louis, Mo.
Cleveland Electric Motor Co., 5313 Windsor, Cleveland, O.
Crocker-Wheeler Co., Ampere, N. J.
Dayton Fan & Motor Co., Dayton, O.
Diehl Mfg. Co. (Polyphase), Elizabeth, N. J.
**DUQUESNE ELECTRIC & MFG. CO.,** Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Eager Electric Co., Watertown, N. Y.
Electric Machy Co. (Induction & Synchronous Types, 5 H. P. to 3000 H. P.), 14th av & Tyler, N E, Minneapolis, Minn.
Emerson Elec. Mfg. Co., 2024 Wash. av, St. Louis, Mo.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Fidelity Elec. Co., Lancaster, Pa.
Fort Wayne Electric Works of General Electric Co., Ft. Wayne, Ind.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Ideal Electric & Mfg. Co., Mansfield, O.

# Type A.S. Adjustable Speed RELIANCE MOTORS

A direct current motor that runs at any speed and develops a constant horsepower output over ranges up to 1 to 10. Speed changes are obtained by simply shifting the motor armature.

No electric controller is needed.

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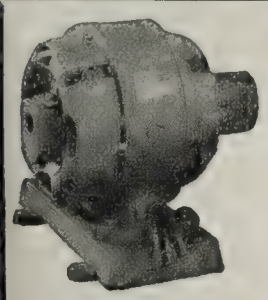
India and Domestic Mica
Amber Mica
Cut Mica
Discs
Tubes
Washers

Imperial Electric Co., Akron, O.
Kimble Electric Co. ("Kimble"), 634 N Western av, Chicago, Ill.
Lincoln Electric Co., Cleveland, O.
Myerson, Joseph (Dealers), 411 Atlantic av, Boston, Mass.
*See adv index at end of book*
Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
Ohio Electrical & Controller Co., 5900 Maurice av, Cleveland, O.
*See adv index at end of book*
Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.
Phoenix Electric Co., Mansfield, O.
*See adv index at end of book*


Phoenix Electric Co.
Mansfield, O.
Manufacturers of
Alternating Current Motors

**RELIANCE ELECTRIC & ENGINEERING CO.**, 1064 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Robbins & Myers Co. (Up to 50 Horse Power), 1400 Lagonda av, Springfield, Ohio.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Star Dynamo Co., Jefferson City, Mo.
Triumph Electric Co., Oakley, Cincinnati, Ohio
**Wagner Electric Mfg. Co. (Single & Polyphase), 6400 Plymouth av, St. Louis, Mo.**
Werby A. & Co. (Dealers), 47 Beverly, Boston, Mass *See adv index at end of book*
Wesche B. A. Electric Co., 327 E 6th, Cincinnati, Ohio
**WESTINGHOUSE ELEC. & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## Motors (Automobile)

See Engines, Automobile; also Engines, Gas or Gasoline; also Engines, Marine, Gasoline; also Motors, Electric

## 9962—Motors (Battery or Toy)

Carlisle & Finch Co., 229 E Clifton av, Cincinnati, O.
H-K Toy & Novelty Co., Indianapolis, Ind.
Interstate Electric Novelty Co., 104 S 4th, New York
Kendrick-Davis Co., ("Porter," "Ajax," "K.-D.," "Kent," "Tesla," "Rex," "Standard," "Manchester," "Juno"), Lebanon, N. H.
Knapp Electric & Novelty Co. ("Kenco," Little Hustler"), 511 W 51st, New York
Lionel Mfg. Co. ("New Departure"), 48 E 21st, New York
Menominee Electric Mfg. Co. ("Days"), Menominee, Mich.
Ohio Electric & Controller Co. ("Albert"), 5900 Maurice av, Cleveland, O.
Rittenhouse A. E. Co., Honeoye Falls, N. Y.
Swope Henry R., 120 N 7th, Phila., Pa.
Voltamp Electric Mfg. Co., 407 N Paca, Baltimore, Md.

## 9963—*Motors (Brick Plants)

**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 9964— Motors (Buffing)

Cushman Electric Co. ("Cushman," Buffing & Polishing), Concord, N. H.
Dilg Mfg. & Trading Co. ("Acme," for Polishing & Refinishing Silverware & other Metal Ware for Hotels, Clubs, etc), 27 E 125th, New York
Eager Electric Co., Watertown, N. Y.
Forbes & Myers ("Forbes & Myers"), 169 Union, Worcester, Mass.
*See adv index at end of book*
Holtzer-Cabot Electric Co. (Electric Alternate Grinding & Buffing), 125 Amory, Boston, Mass.
Ideal Electric & Mfg. Co., Mansfield, O.
Imperial Electric Co., Akron, O.
Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
U. S. Electric Mfg. Co., 300 S Central av, Los Angeles, Cal.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 9965—*Motors (Cement Mills)

Lincoln Electric Co., Cleveland, Ohio
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 9966— Motors (Dental)

Electro Dental Mfg. Co., 33d & Arch, Phila., Pa.
Holtzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
**Robbins & Myers Co. (Direct & Alternating Current), 1400 Lagonda av, Springfield, O.**
**WESTINGHOUSE ELECTRIC & MFG. CO.** East Pittsburgh, Pa.
*See adv index at end of book*

## Motors (Direct Current)

See Dynamo & Motor Manufacturers

## 9967—Motors (Direct Current Railway)

Duquesne Electric & Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 9968— Motors (Electric)

See also Dynamo & Motor Manufacturers
Aaron Electric Co., 15 S Clinton, Chicago, Ill.

MOTORS-GENERATORS-SWITCHBOARDS
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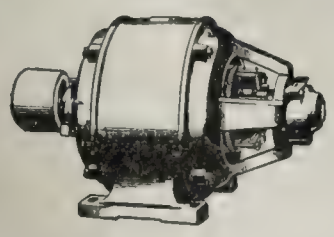
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Burke Electric Co. ("Burke"), (Direct & Alternating), Erie, Pa.
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Century Electric Co. ("Century," Single Phase), 19th & Pine, St. Louis, Mo.
Chicago Electric Construction Co. (New & Used), 740 W Van Buren, Chicago, Ill.
Cleveland Electric Motor Co., 5313 Windsor, Cleveland, O.
Cline Electric Mfg. Co. (For Printing Machy.), Fisher bldg, Chicago, Ill.
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Electric Machy Co., 14th av & N E Tyler, Minneapolis, Minn.
Electro Dynamic Co., Bayonne, N. J.
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Ideal Electric & Mfg. Co. (Alternating Current, Single Phase Elevator, etc), Mansfield, O.
Imperial Electric Co. (Constant & Variable Speed, Smallest up to 125 H. P.), Akron, O.
Jantz & Leist Electric Co. (Enclosed Type 1¾ to 100 H. P.), Cincinnati, O.
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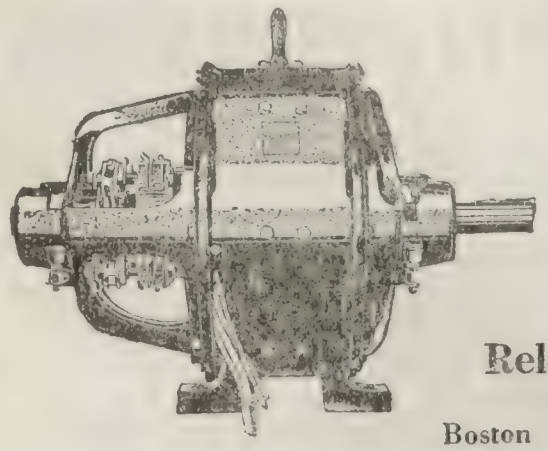

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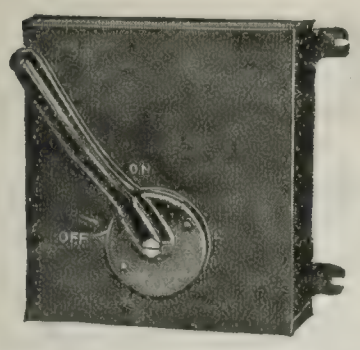

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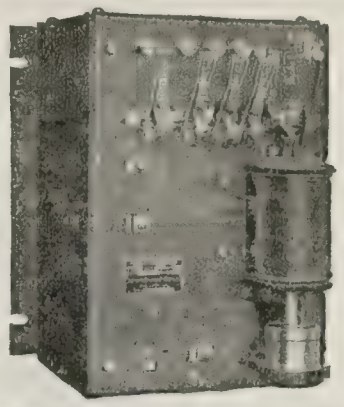

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Lincoln Electric Co., Cleveland, O.
Mechanical Appliance Co., Milwaukee, Wis.
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Imperial Electric Co., Akron, O.
Lincoln Electric Co., Cleveland, O.
Mechanical Appliance Co., Milwaukee, Wis.
Northwestern Mfg. Co., 482 Clinton, Milwaukee, Wis.
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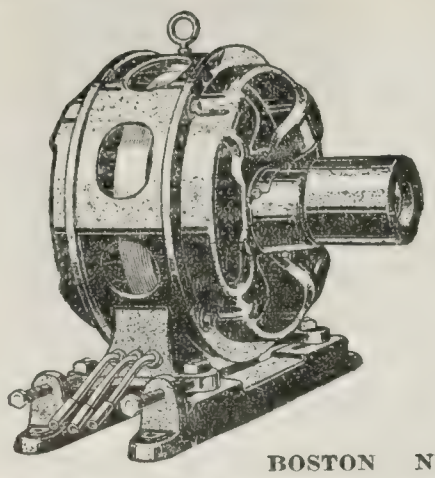

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See also Engines, Naphtha; also Engines, Oil

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### 9983— Motors (Organ)

See also Motors, Water

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Whitney F. E. Co. ("The Boston"), 65 Sudbury, Boston, Mass.

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Century Electric Co., 19th & Pine, St. Louis, Mo.

Eck Dynamo & Motor Co., Belleville, N. J.

Ideal Electric & Mfg. Co., Mansfield, O.

Imperial Electric Co., Akron, O.

Lincoln Electric Co., Cleveland, O.

Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.

Racine Electric Co., Racine, Wis.

Robbins & Myers Co., 1400 Lagonda av, Springfield, O.

Sprague Electric Works, 527 W 34th, New York

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Wisconsin Electric Co., 1600 Junction av, Racine, Wis.
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### 9985—*Motors (Piano, Automatic)

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### Motors (Pneumatic)

See Pneumatic Motors

### 9986—*Motors (Printing Press)

Eck Dynamo & Motor Co., Belleville, N. J.

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### 9987-8— Motors (Pump)

Eck Dynamo & Motor Co., Belleville, N. J.

Lincoln Electric Co., Cleveland, O.

Phoenix Electric Co., Mansfield, O.
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American Engine Co., 2nd and Amsterdam, Detroit, Mich.

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Caille Perfection Motor Co., 2nd and Amsterdam, Detroit, Mich.

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Jewel Electric Co. (Electric), 4714 B'way, Chicago, Ill.

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Waterman Motor Co., 235 Mt. Elliott, Detroit, Mich.

Wisconsin Machinery & Mfg. Co., 51st & Burnham, Milwaukee, Wis.

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Fidelity Elec. Co., Lancaster, Pa.

Hamilton-Beach Mfg. Co. ("Hamilton Beach"), Racine, Wis.

Stecker Elec. & Mach. Co. (Small Motor), Dewey, Detroit, Mich.

Victor Elec. Corp. (Small), 236 S Robey, Chicago, Ill.

Western Elec. Co. (Portable Sewing Mach. Motor Unit), 463 West, New York

Westinghouse Electric & Mfg. Co. (Sewing Motor-Sewing Machine), East Pittsburgh, Pa.
*See adv index at end of book*

Wisconsin Elec. Co. ("Dumore"), 1600 Junction av, Racine, Wis.
*See adv index at end of book*

### Motors (Single Phase, Electric)

See Motors, Induction

### 9989b— Motors (Spring)

Electric Novety Works, 533 Mission, San Francisco, Cal.

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Heinman Otto Phonograph Supply Co. (For Phonographs), 25 W 45th, New York

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Pan Electric Mfg. Co., 735 S 4th, St. Louis, Mo.

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Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*

Shelton Electric Co., 30 E 42d, New York

Thomas Mfg. Co., Dayton, O.

Tiffany Motor Co., West New York, N. J.
Veeco Co., 248 Boylston, Boston, Mass.

## 9994—Motors (Textile Machinery)

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Lincoln Electric Co., Cleveland, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
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Rutenber Motor Co. (Gasoline), Marion, Ind.

## 9996— *Motors (Turntable)

**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
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## 9997— Motors (Valve)

Eck Dynamo & Motor Co., Belleville, N. J.
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Smith A. P. Mfg. Co. (Hydraulic), E Orange N. J.

## 9998—Motors (Variable Speed)

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Burke Electric Co., Erie, Pa.
Crocker-Wheeler Co., Ampere, N. J.
Cushman Electric Co. ("Cushman"), Concord, N. H.
Eck Dynamo & Motor Co., Belleville, O.
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Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Ideal Electric & Mfg. Co., Mansfield, O.
Imperial Electric Co., Akron, O.
Kimble Electric Co. ("Kimble" Single Phase Alternating Current), 634 North Western av, Chicago, Ill.
Lincoln Electric Co., Cleveland, O.
Northwestern Electric Co., 408 S Hoyne av, Chicago, Ill.
**RELIANCE ELECTRIC & ENGINEERING CO.,** 1064 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Robbins & Myers Co., 1400 Lagonda av, Springfield, O.
Triumph Electric Co., Oakley, Cincinnati, Ohio
Wagner Electric Mfg. Co., 6400 Plymouth av, St. Louis, Mo.
Wesche B. A. Electric Co., 327 E 6th, Cincinnati, O.

## 9999-10017—Motors (Water)

Althouse-Wheeler Co. ("Waupun"), Waupun, Wis.
American Water Motor Co. ("American" Automatic), Columbus, O.
American-Water Softener Co. (Direct Acting), 10th & Chestnut, Phila., Pa.
Backus Water Motor Co., 172 Penna av, Newark, N. J.
Bowers Machine Co. (Dental),, Lancaster, Pa.
Carlisle & Finch Co., 229 E Clifton av, Cincinnati, O.
Cleveland Specialty & Mfg. Co., Cleveland, Ohio
Dayton Washing Machine Motor Co., Dayton, O.
Divine Bros. Co. ("Divine," "Red Devil"), Utica, N. Y.
Douds Frank C. & Co. ("Douds" Plain & Equipped with Grinding Wheel), New Castle, Pa.
Gaylord & Eltapenc Co. ("Climax"), Binghamton, N. Y.
Hunter Fan & Motor Co. ("Syracuse," "Tuerk"), Fulton, N. Y.
Hydraulic Engineering Works, 708 Fulton, Chicago, Ill.
Hydraulic Iron Works, Erie, Pa.
Indiana Fan Co., 40 E South, Indianapolis, Ind.
Krott L. E. Apparatus Co. (1-6 H. P. with Countershaft Gear), 79 Amherst, Cambridge, Mass.
Little Thos. A., Wheeling, W. Va.
New Favorite Mfg. Co., 183 W Maple, Columbus, O.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 90 West, New York
Reliable Water Motor & Mfg. Co., Burlington, Ia.
Roberts Geo. J. Co., Dayton, O.
Ross Valve Mfg. Co. (For Pumping Organs), 9 Oakwood av, Troy, N. Y.
Roto Co. ("Roto"). Hartford, Conn.
Rover A. B., Binghamton, N. Y.
Russell Jno. W. & Sons Co. ("Hercules"), Springfield, Mass.
Smith Winfield H. ("Niagara"), Buffalo, N. Y.
Springfield Brass Co. ("Success"), Springfield, O.
Tuerck Water Motor Co., 172 W Washington, Chicago, Ill.
Vaile-Kilmes Co. ("V. & K." Automatic), Dayton, O.
Valley City Machine Works (For Washing Machines, etc), Grand Rapids, Mich.
Whitney F. E. Co., 65 Sudbury, Boston, Mass.

## Moulds

See Molds, Various Kinds

## 10018—Mountings (Automobile)

Attwood Brass Works, Grand Rapids, Mich.
Columbus Brass Co. (Dash & Foot Rails), 538 Dublin av, Columbus, O.
*See adv index at end of book*
Cowles C. & Co., New Haven, Conn.
**DAHLSTROM METALLIC DOOR CO.** (Light Angles & Channels), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Ellison Brass Mfg. Co., Jamestown, N. Y.
English & Mersick Co., New Haven, Conn.
Motor Products Corp. (Brass & Nickeled Rails), Mack & Outer Belt Line, Detroit, Mich.
Murdock W. Jas. Co. (Metal), 116 Opera pl, Cincinnati, O.
Oakes Co. The (Drawn Sheet Metal), Indianapolis, Ind.
Parry A. N. & Co. (Brass, Slate, etc), Amesbury, Mass.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
White Mfg. Co. (Mouldings), Bridgeport, Conn.
Wing Chas. Co., Amesbury, Mass.
Woodruff Walter W. & Sons Co., Mount Carmel, Conn.

## 10019— Mountings (Bag)

Conlan Bernard & Co. (For Belts, Buckles, Purses, Ornaments, etc), 87 Hamilton, Newark, N. J.
Gould's M. Sons & Co., 115 Lafayette, Newark, N. J.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*

## 10020—Mountings (Umbrella & Parasol)

Novelty Mfg. Co., Waterbury, Conn.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*
Woolson James B., Watertown, Conn.

## 10021—Mounts (Photographic)

Angel H. Reeve & Co., Inc., 7 Spruce, New York
Bridges Mfg. Co., Rochester, N. Y.
McCabe & Co., 215 Pearl, New York

## 10022—Movements (Clock, Gauge, Meter, Etc.)

Ansonia Novelty Co., Ansonia, Conn.
Fiego Alex. J. R., Lynn, Mass.
New Haven Clock Co. (clocks only), New Haven, Conn.
**PLUMB D. S.,** 73-77 Norfolk, nr Central av, Newark, N. J.
*See adv index at end of book*
Reeves Mfg. Co., Milford, Conn.
Waterbury Clock Co., Waterbury, Conn.

## 10023—*Movements (Recording & Scientific Instrument)

**PLUMB D. S.** (Also for Clocks, Meters, Gauges, etc), 73-77 Norfolk, nr Central av, Newark, N. J.
*See adv index at end of book*

## 10024—Mower & Reaper Sections

Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Stevenson Mfg. Co. (Wooden), South Bend., Ind. *See adv index at end of book*
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.


# D. S. PLUMB,

## Clock Work, Intricate Mechanical Instruments and Recording Devices.

**73-77 NORFOLK ST. (Near Central Ave.) NEWARK, N. J.**

**Movements or Counters for Various Mechanical Purposes.**
**Movements for Steam Gauges, Pyrometers and Recording Instruments.**
ESTABLISHED 1882. **Complete Instruments Manufactured to Order in Quantity.**

See Headings—CLOCK WORK, GEARS, INSTRUMENTS, MOVEMENTS, SPECIAL MACHINERY.

## 10025— Mowers

See also Agricultural Implements Mfrs., Harvesters, Reapers

Acme Harvesting Machine Co. ("Acme" Grass Mowers), Peoria, Ill.
Beatrice Iron Works, Beatrice, Neb.
Deere John Harvester Works, East Moline, Ill.
Emerson Brantingham Co. ("E. B." & "E. B. Osborne," "Standard"), Rockford, Ill.
Eureka Mower Co. (Eureka Field), 16 Hickory, Utica, N. Y.
Granite State Mowing Machine Co., Hinsdale, N. H.
Independent Harvester Co. ("Independent"), Plano, Ill.
International Harvester Company of America (Inc.) ("Deering," "McCormick," "Milwaukee"), Harvester bldg, Chicago, Ill.
Massey Harris Harvester Co. ("Johnston"), Batavia, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Moline Plow Co. ("Adriance," "Buckeye," "Thomas Crown"), Moline, Ill.
Plattner Yale Mfg. Co. ("Plattner"), Lincoln, Neb.
Richardson Mfg. Co., Worcester, Mass.
Sandwich Mfg. Co., Sandwich, Ill.
Sieberling & Miller Co., Doylestown, O.
Thomas Mfg. Co. ("Thomas Crown" Regular & Changeable Speed & Ditch Bank), Springfield, O.
Wood W. A. Mowing & Reaping Machine Co. (Giant Admiral), Hoosick Falls, N. Y.

## 10026— Mucilage Mfrs.

See also Dextrine, Liquid Glue, Paste, etc

Arabol Mfg. Co., 100 William, New York
Bankers' Ink Co., Kansas City, Mo.
Barnes National Ink Co., 222 N 5th, Phila., Pa.
Carter's Ink Co. ("Great Stickest"), E Cambridge, Boston, Mass.
Continental Mfg. Co. ("Willstick," "Universal"), 4611 Girard, Phila., Pa.
Davids Thaddeus Ink Co., 97 Van Dam, New York
Davis Wm. A. Co. ("U. S. Treasury"), 40 Batterymarch, Boston, Mass.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Diamond Ink Co., 192 E Water, Milwaukee, Wis.
Elwell B. F. Glue Co., Rockport, Mass.
Higgins Chas. M. & Co., 271 9th, Brooklyn, N. Y.
Ink Ribbon Mfg. Co. ("Quicksticker"), 635 Howard, San Francisco, Cal.
Keller Robert Ink Co., 149 Brooklyn, W Detroit, Mich.
Kirk Harry D., 2316 W Harrison, Chicago, Ill.
Levinson & Blythe Mfg. Co., 209 Locust, St. Louis, Mo.
Moore J. & I. E., Warren, Mass.
National Gum & Mica Co., 59th & 11th av, New York
Nicol J. M. & J. S., Hawthorne, N. J.
Pomeroy Ink Mfg. Co., 155 E Park, Newark, N. J.
Thomas L. H. Co., West Congress & S Peoria, Chicago, Ill.
Woodmansee F. A., 117 E Pearl, Cincinnati, O.

## 10026a— *Muddlers (Wooden)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## Mudguards (Automobile)

See Fenders & Guards, Automobile

## 10027—Muffle Furnace Fronts

Bethlehem Foundry & Machine Co. (For Chemical Mfrs., etc), South Bethlehem, Pa.
General Phonograph Corp., 25 W 45th, New York

## 10028—Mufflers (Autmobile)

Empire Metal Tank Works, E Rochester, N. Y.
Gem Stamped Steel Co. ("Gem" Exhaust), Chelsea, Mass.
Gemco Mfg. Co. ("Anti-Explo," "Milwaukee"), Milwaukee, Wis.
Geer Harry R. Co. (Motor Cycles), 858 McLaran av, St. Louis, Mo.
Gray-Hawley Mfg. Co. ("Gray"), 3123 Jeff av, East Detroit, Mich.
Hayes Mfg. Co., 455 Mayberry, Detroit, Mich.
Kells W. J. Mfg. Co., 521 W 45th, New York
Louisiana Metal Cabinet Works, 1919 Bienville, New Orleans, La.
Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
Milwaukee Auto Engine & Supply Co., 841 29th, Milwaukee, Wis.
Milwaukee Motor Sales Co., 1802 North av, Milwaukee, Wis.
Neustadt Auto & Supply Co., 3200 Locust, St. Louis, Mo.
Northway Motor & Mfg. Co., Mayberry & G. T. R. R., Detroit, Mich.
Oldberg Mfg. Co., 76-86 Forest E, Detroit, Mich.
Pettis W. W. Co., 416-417 First Nat'l Bank bldg, Cincinnati, O.
*See adv index at end of book*
Powell Muffler & Timer Co., Utica, N. Y.
Smith D. B. & Co. ("Yankee"), Utica, N. Y.
Troike Muffler & Mfg. Co. ("Troike"), Loraine, O.
Weeber C. F. Mfg. Works ("Weeber"), Albany, N. Y.
Weiss L. T., 286 Taaffe pl, Brooklyn, N. Y.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Xardell Bros. Co. (Vacuum), Utica, N. Y.
Yankee Co. ("Yankee" Silent), Utica, N. Y.

## 10028a—*Mufflers (Gas Engine)

Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

## 10028b—Mufflers (Marine)

Grand Rapids Gas Engine & Yacht Co., Grand Rapids, Mich.
Laughlin Thos. Co. ("Vapo"), Portland, Me.
Thermex Silencer Works, 6 Lewis, Boston, Mass.
Yankee Co., Utica, N. Y.

## 10029—*Mufflers (Pop Valve)

**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 10030— Muffles

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co. Platinum Wks., Malvern, Pa.
Braun-Knecht-Heimann Co. (Colorado Clay), 576-584 Mission, San Francisco, Cal.
Carborundum Co. (Silfrox), Niagara Falls, N. Y.
Dixon Joseph Crucible Co., Jersey City, N. J.
McCullough-Dalzell Crucible Co., 36th & Av V. R. R., Pittsburgh, Pa.
Metals Production Equipment Co., Springfield, Mass.
Monarch Engineering Mfg. Co. (Annealing), American bldg, Baltimore, Md.
Thermal Syndicate (Ltd.), 50 E 41st, New York
Vaughn Machinery Co. (Wire & Wire Discs), Cuyahoga Falls, O.
*See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 10031—Muffles (Enameling)

Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.
Denver Fire Clay Co., Denver, Colo.

## 10032— Mugs (Beer)

Central Glass Works, Wheeling, W. Va.
Monongah Glass Co., Fairmont, W. Va.
Rochester Tumbler Co., Rochester, Pa.

## 10033-4—Multi Stage, High Lift Centrifugal Pumps

Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.

## Muriate of Ammonia

See Sal-Ammoniac

## Muriate of Potash

See Firms in Potash with the word "Muriate" following name.

## Muriates of Tin

See Tin Crystals

## 10035—Music Holders or Racks

Riordan T. G. Mfg. Co., 3943 Lincoln av, Chicago, Ill.
Syracuse Wire Works (Wire, Piano Player Roll Racks, 101 University av, Syracuse, N. Y.

## 10036— Muslin (Varnished)

Dielectric Mfg. Co. (For Electrical Insulation), 224 S Vandeventer av, St. Louis, Mo.

## 10036a— Mutes (Violin)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 10037— Muzzles (Dog)

Buchheimer Geo. H. (Leather), 1004 Rutland av, Baltimore, Md.
Darby Edw. & Sons Co., 412 N 18th, Phila., Pa.
Graham & Berwin (Leather), 107 Lafayette, New York
Hamblin & Russell Mfg. Co., Worcester, Mass.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Stevens Walter B. & Son ("Happidog"), 107 Chambers, New York
Wire Goods Co., Worcester, Mass.

## 10038—Muzzles (Horse & Ox)

Barbee Wire & Iron Works (Wire), 111 Washington, Chicago, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jelliff C. O. Mfg. Corp., Southport, Conn.
Langstroth T. W. (Horse), 77 Warren, New York
Thrope F. M. Mfg. Co., Larmar, Mo.
Wire Goods Co. (Japanned Wire, etc., Worcester, Mass.

## 10039— Myrbane

Berlin Aniline Works, 213 Water, New York; also Chemical Co. (Oils, for Soap & Perfumery), Bound Brook, N. J.
Calco Chemical Co. (Oils, for Soap and Perfumery), Bound Brook, N. J.
Holliday, Read & Sons, Ltd. (Imported), 160 Franklin, New York
Magnus, Mabee & Reynard (Imp.), 257 Pearl, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York

## 10040— Myrobalans

Carleton & Moffat ("Imp"), 80 Maiden la, New York
Haley-Hammond Co., 129 Pearl, New York
Imis, Speiden & Co. Inc., 46 Cliff, New York. *See adv index at end of book*
Klipstein A. & Co. (Imported), 644 Greenwich, New York
Marden, Orth & Hastings Co. (Imp.), 136 Liberty, New York
Worden Chemical Works (Imp.), 4 Cedar, New York

## 10041— Nail Sets

Braunsdorf-Mueller Co., Elizabeth, N. J.
Brown & Sharpe Mfg. Co., Providence, R. I.
Browne & Dowd Mfg. Co. (Knurled Cup Point), Meriden, Conn.
Buell Bros., Clinton, Conn.
Buffum Tool Co. ("Swastika," Tinners), South Side, Louisiana, Mo.

Bullock Mfg. Associates, Springfield, Mass
Cronk & Carrier Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Deschanel Engng. Corp., 90 West, New York
Deuse J. S., Chester, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Igoe Brothers (Nails in Packages), Canal & Lafayette, New York
*See adv index at end of book*
**Irwin Auger Bit Co., Wilmington, O.**
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Johnson Wm. (Hedenberg Works), (Plain, Knurled Cup Points), Newark, N. J.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner ("U. S."), Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Plumb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
S. & I. Co., Springfield, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith H. D. & Co. ("Sharpenezy"), Plantsville, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Stanley Rule & Level Co., New Britain, Conn.
**STARRETT L. S. CO., THE,** Athol, Mass.
*See adv index at end of book*
Steffen Gustave, 1934-38 N Reese, Philadelphia, Pa.
Stortz John & Son, 210 Vine, Phila, Pa.
Syracuse Twist Drill Co. ("Syracuse" & "Norol"), Borden av, Syracuse, N. Y.
Thayer Mfg. Co., Williamsburg, Mass.
**TORRINGTON CO., THE EXCELSIOR PLANT,** successor to Excelsior Needle Co., Torrington, Conn.
*See adv index at end of book*
Tuck Mfg. Co. (Plain, Corrugated, Knurled & Channel), Brockton, Mass.
Union Tool Co., Orange, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
West Haven Mfg. Co. ("Easy Hold," "Wont Roll," "O. K."), West Haven, Conn.
Williams William Jr., New Britain, Conn.

## 10041a—Nailing Courses (Fireproof)

Flexner-Taylor Co. (Ltd.), ("Flexner" for **Floor & Slate Nailing**), **786 E. Broadway, So. Boston, Mass.**

## 10042— Nails (Aluminum)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hassell Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Townsend Co., New Brighton, Pa.

## 10043—Nails (Aluminum Coated)

Wilder Metal Coating & Mfg. Co., Connellsville, Pa.

## 10044— Nails (Barbed)

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Belfont Iron Works Co., Ironton, O.
**Cambria Steel Co., Widener bldg, Phila., Pa.**
Fischer & Hayes Rope & Steel Co., 472-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Gulf States Steel Co., Birmingham, Ala.**
Igoe Bros., Canal & Lafayette, New York
*See adv index at end of book*
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
Norton Iron Works (Common & Car), Ashland, Ky.
Townsend Co., New Brighton, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Wire Goods Co., Worcester, Mass.
Youngstown Sheet & Tube Co. (Common & Car "Youngstown"), Youngstown, O.

## Nails (Barrel)

**See Nails, Box**

## 10045— Nails (Basket)

American Steel Co., Park bldg, Pittsburgh, Pa.
American Steel & Wire Co., 208 La Salle, Chicago, Ill.
*See adv index at end of book*
Genesee Tack Co., Rochester, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Great Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Townsend Co., New Brighton, Pa.

## 10045a—Nails (Blue Lathed, Sanitary)

Great Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown), Youngstown, O.

## 10046— Nails (Box)

See also Nails, Wire

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.** (Barbed & Smooth), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Belfont Iron Works Co., Ironton, O.
Cambria Steel Co. (Plain & Barbed), Widener bldg, Phila., Pa.
Crawfordsville Wire & Nail Co. (Barbed), **Crawfordsville, Ind.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Great Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Igoe Bros., Canal & Lafayette, New York
*See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Milwaukee Tack Co. (Berry Box, Basket, etc), 27th & Wahl av, Milwaukee, Wis.
Norton Iron Works, Ashland, Ky.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Smith & McCrorken, Inc. (Jobbers), 411 E 18th, New York
Stanley Geo. W. Co. (Barrel Only), Belleville, Ill.
**Townsend Co., New Brighton, Pa.**
Tremont Nail Co. (Cut), West Wareham, Mass.
Van Alen & Co. (Cut), Northumberland, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Wire Goods Co., Worcester, Mass.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 10047—Nails (Brass & Copper)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Atlas Tack Co., Fair Haven, Mass.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Clendenin Bros. (Copper), cor Central av & Fawn, Baltimore, Md.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grand Crossing Tack Co., S Chicago av & E 79th, Chicago, Ill.
Hassall Jno. (Inc.), (Boat, Slating, etc), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Hungerford U. T. Brass & Copper Co., ("Star"), 80 Lafayette, New York
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Mattatuck Mfg. Co. (Brass Furniture), Waterbury, Conn.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Rome Brass & Copper Co. (Cut Copper), Rome, N. Y.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Taunton-New Bedford Copper Co. (Composition & Copper), Taunton, Mass.
**Townsend Co., New Brighton, Pa.**
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York & 43 No 7th, Philadelphia, Pa.
*See adv index at end of book*
Turner & Seymour Mfg. Co. (Fancy Brass), Torrington, Conn.
Whitehead Metal Products Co., 67-73 Washington, North, Boston, Mass.
*See adv index at end of book*

## 10048— Nails (Broom)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Belfont Iron Works Co., Ironton, O.
Great Lakes Steel Products Co., 431 S Dearborn, Chicago, Ill.
Townsend Co., New Brighton, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

ESTABLISHED 1850

JOHN HASSALL, INC.

CLAY & OAKLAND STREETS
BROOKLYN, N. Y.

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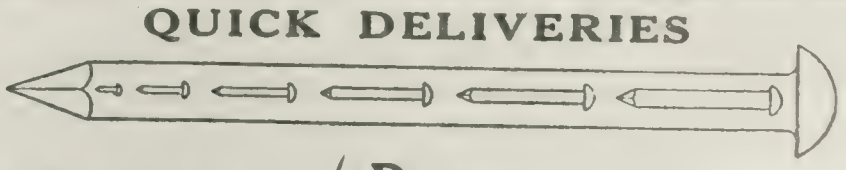
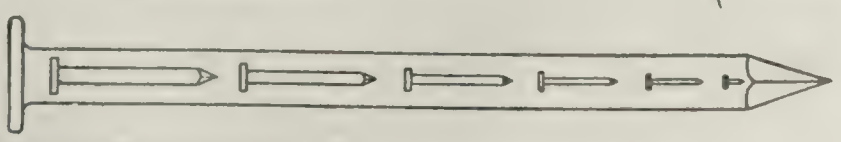


RIVETS
ESCUTCHEON PINS
SPECIAL WIRE NAILS

IN ALL METALS



## 10048a— Nails (Car Lining)

Weather Proofing Nail Co. ("Capual"), Baltimore, Md.

## 10049— Nails (Carpet)

**AMERICAN STEEL & WIRE CO.** ("Peerless," "American" Tacks), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Milwaukee Tack Co. ("Bonita," "Standard," "Leroy," etc), 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Turner & Seymour Mfg. Co., Torrington, Conn.
Waterman R. C. & Co., S. Hanover, Mass.

## 10050— Nails (Casing)

American Steel Co., Park bldg., Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Belfont Iron Works Co., Ironton, O.
Cambria Steel Co., Widener bldg, Phila., Pa.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Great Lakes Steel Products Co., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Igoe Bros., Canal & Lafayette, New York
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Townsend Co., New Brighton, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Youngstown Sheet & Tube Co. (Casing & Smooth Box "Youngstown"), Youngstown, O.

## 10051—Nails (Cement Coated Wire)

American Steel Co., Park bldg, Pittsburgh, Pa.
Cambria Steel Co., Widener bldg, Phila, Pa.
Continental Steel & Supply Co., Fulton bldg, Pittsburgh, Pa.
Eastern Nail Co., Providence, R. I.
Fischer & Hayes, Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co., 431 S Dearborn, Chicago, Ill.
Illinois Nail Co., 826 Dix, Chicago, Ill.
Indiana Steel & Wire Co., Muncie, Ind.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kokomo Nail & Brad Co., Kokomo, Ind.
**LARKIN J. K. & CO.,** 34 Reade, New York
*See adv index at end of book*
Middleton Howard W. Co. ("Midco," "Stickers"), 911 Callowhill, Phila., Pa.
Pearson J. C. Co., Old South bldg, Boston, Mass.
Smith & McCrorken, Inc. (Jobbers), 411 E 18th, New York
Townsend Co., New Brighton, Pa.
Walton & Macke Nail Co., Kokomo, Ind.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 10052— Nails (Cigar Box)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Great Lakes Steel Products Co., 431 S Dearborn, Chicago, Ill.
Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Townsend Co., New Brighton, Pa.
Waterman R. C. & Co., S. Hanover, Mass.

## 10052a— Nails (Clamp)

Siegler Wm. & Son, 115 S Clinton, Chicago, Ill.

## 10053— Nails (Clinch)

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Baker Chas. F. & Co. (Wired), 48 Lincoln, Boston, Mass.

Belfont Iron Works Co., Ironton, O.
Cambria Steel Co., Widener bldg, Phila., Pa.
Crawfordsville Wire & Nail Co. (Barbed), Crawfordsville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Igoe Bros., Canal & Lafayette, New York
*See adv index at end of book*
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
New York Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Roberts G. G. Corp. ("Bull Dog"), Whitman, Mass.
Townsend Co., New Brighton, Pa.
Van Alen & Co. (Cut), Northumberland, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## Nails (Clout)

**See Nails, Trunk, Clout & Finishing**

## 10054— Nails (Clutch)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
**CARY MFG. CO.** ("Cary's" Patent Twisted), Nassau & Jay, Brooklyn, N. Y.
*See adv index at end of book*
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 10055— Nails (Coated)

Brower Roy L. Corp., 86 Front, New York
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co., 431 S Dearborn, Chicago, Ill.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Smith & McCrorken, Inc. (Jobbers), 411 E 18th, New York
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 10056— Nails (Corrugated)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Penn Tack Co. (Brass, Cobblers', Headless Tapping), Norristown, Pa.
Phillips E. & Sons (Brass & Iron), South Hanover, Mass.
Rome Brass & Copper Co. (Brass Shoe), Rome, N. Y.
Townsend Co., New Brighton, Pa.

## 10057— Nails (Cut)

Brooke E. & G. Iron Co. (Black & Galvanized, Iron or Steel), Birdsboro, Pa.
Eastern Nail Co., Providence, R. I.
Great Lakes Steel Products Co., 431 S Dearborn, Chicago, Ill.
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
**IGOE BROTHERS,** Canal & Lafayette, New York *See adv index at end of book*
Igoe Bros., Poinier, Newark, N. J.
Illinois Nail Co., 826 Dix, Chicago, Ill.
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kelly Nail & Iron Co., Ironton, O.
La Belle Iron Works, Steubenville, O.
**LARKIN J. K. & CO.** (Iron & Steel), 34 Reade, New York
*See adv index at end of book*
Lessig Geo. B. Co. (Iron & Steel), Pottstown, Pa.

Malleable Iron Fittings Co. ("M. I. F. Co." Zinc Coated Iron), Branford, Conn.
Norton Iron Works, Ashland, Ky.
Penn Tack Co. (Blue & Tinned), Norristown, Pa.
Pickering R. S., Sharon Hill, Pa.
Plymouth Mills, Plymouth, Mass.
Smith & McCrorken, Inc. (Jobbers), 411 E 18th, New York
Stanley Geo. W. Co., Belleville, Ill.
Tremont Nail Co., West Wareham, Mass.
Van Alen & Co. (Iron & Steel), Northumberland, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 10058—Nails (Double Headed)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Neider F. A. Co., Augusta, Ky.

## Nails (Electrotypers' & Engravers')

**See Nails, Small**

## Nails (Finishing)

**See Nails, Trunk, Clout & Finishing**

## 10059— Nails (Foundry)

American Steel Co., Park bldg, Pittsburgh, Pa.
Angell Nail & Chaplet Co., 2657 E 79th, Cleveland, O.
Brooke E. & G. Iron Co. (Iron), Birdsboro, Pa.
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Great Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Kokomo Steel & Wire Co., Kokomo, Ind.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Townsend Co., New Brighton, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 10060-1—Nails (Galvanized)

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S. La Salle, Chicago, Ill.
*See adv index at end of book*
Belfont Iron Works Co. (Wire), Ironton, O.
Brooke E. & G. Iron Co. (Cut), Birdsboro, Pa.
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Eastern Nail Co., Providence, R. I.
Great Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
IGOE BROTHERS, Canal & Lafayette, New York *See adv index at end of book*
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co." Iron & Steel, Cut, Wire & Boat Nails, etc), Branford, Conn.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Wire, All Kinds), 5th av & Grant, Pittsburgh, Pa.
Townsend Co., New Brighton, Pa.
Tremont Nail Co. (Cut), West Wareham, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilcox, Crittenden & Co. Inc. (Cut, Boat & Wire), Middletown, Conn.
*See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 10062—Nails (Gilt, Furniture, Etc.)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Traut & Hine Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.

## 10063—Nails (Hand Picked)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Hassall Jno. (Inc.) (For Machine Driving), Clay & Oakland, Brooklyn, N. Y.**
*See adv index at end of book*
Townsend Co., New Brighton, Pa.

## 10064— Nails (Hoop)

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Belfont Iron Works Co., Ironton, O.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Genesee Tack Co., Rochester, N. Y.
Great Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Igoe Bros., Poinier, Newark, N. J.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Norton Iron Works, Ashland, Ky.
Superior Tack & Nail Co., Derby, Conn.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.

## 10065— Nails (Horse)

Ausable-Essex Horse Nail Co. ("Ausable," "American," "Clinton"), Keeseville, N. Y.
Capewell Horse Nail Co., Hartford, Conn.
Essex Horse Nail Co. (Ltd.), Essex, N. Y.
Fowler Nail Co. ("Vulcan," "Reliance," "Shamrock," "Crown"), Seymour, Conn.
Standard Horse Nail Co. ("Brighton," "Russell," "Beaver," "Bright Shear Blue," "New Standard," "Leader"), New Brighton, Pa.
Union Horse Nail Co. ("Northwestern"), 1524 W 22d, Chicago, Ill.

## 10066— Nails (Hub Band)

Atlas Tack Co., Fair Haven, Mass.

## 10067— Nails (Hungarian)

Genessee Tack Co., Rochester, N. Y.

## 10068— Nails (Insulated)

Eureka Supply Co., Sewell, N. J.

## 10069— Nails (Lead)

Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Lampson Lumber Co., New Haven, Conn.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Simons & Mills, Inc., 25 Leonard, New York
Townsend Co., New Brighton, Pa.

## 10070— Nails (Mission)

Turner & Seymour Mfg. Co. (Cast Brass), Torrington, Conn.

## 10071—Nails (Nailing Machine)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hassall John (Inc.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Townsend Co., New Brighton, Pa.

## 10072—Nails (Needle Point)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Great Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Townsend Co., New Brighton, Pa.

## 10072a—Nails (Nickel Silver)

Hassall John (Inc.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*

## 10073— Nails (Numeral)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Turner & Seymour Mfg. Co., Torrington, Conn.

## 10074— Nails (Oxidized)

Baltimore Oxidized Nail Co., 215 S Central av, Baltimore, Md.

## Nails (Photo Engravers')

See Nails, Electrotypers' & Engravers'

## 10075— Nails (Picture)

Parker Wire Goods Co. ("Crown" Brass Capped), Worcester, Mass.
Townsend C. C. & E. P. Co., New Brighton, Pa.
Turner & Seymour Mfg. Co., Torrington, Conn.
Turner & Stanton Co. (Gilt & Fancy), Norwich, Conn.

## 10076—Nails (Roofing & Slating)

American Steel Co., Park bldg., Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.** (Barbed, Felt, Slating, Shingle, etc.), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Angell Nail & Chaplet Co., 2657 E 79th, Cleveland, O.
Atlas Tack Co., Fairhaven, Mass.
Belfont Iron Works Co., Ironton, O.
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Cleveland Tack Works (Slating), 1205 E 55th, Cleveland, O.
Crawfordsville Wire & Nail Co. (Barbed), Crawfordsville, Ind.
Crescent Brass & Pin Co. (Roofing only), 1150 Trumbull, Detroit, Mich.
Delphos Mfg. Co. (Roofing), 1st & Pierce, Delphos, O.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Co., Birmingham, Ala.
Hassell Jno. (Inc.), (Copper Wire), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Hungerford U. T. Brass & Copper Co. (Copper & Yellow Metal), 80 Lafayette, New York
Hussey C. G. & Co. (Slating Nails), 2850 2d av, Pittsburgh, Pa.
Igoe Bros., Canal & Lafayette, New York
*See adv index at end of book*
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Larkin J. K. & Co. (Roofing Only), 34 Reade, New York
*See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co.," Zinc Coated Iron), Branford, Conn.
Miller's H. J. Sons (Weatherproof Shingle), Bridgewater, Mass.
Milwaukee Corrugating Co. (Jobbers), Milwaukee, Wis.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Norton Iron Works, Ashland, Ky.
Phillips E. & Sons, S Hanover, Mass.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Large Head), 5th av & Grant, Pittsburgh, Pa.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Sherman H. B. Mfg. Co. ("Simplex" Roofing Nails), Battle Creek, Mich.
Taunton-New Bedford Copper Co., Taunton, Mass.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
Tremont Nail Co., West Wareham, Mass.
Van Alen & Co., Northumberland, Pa.
Weatherproofing Nail Co. ("Capual" Weather Proofing), Baltimore, Md.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Wire Goods Co. (Barbed), Worcester, Mass.
Youngstown Sheet & Tube Co. (Slating & Barbed Roofing "Youngstown"), Youngstown, O.

## 10077—Nails (Rubber Headed)

Combination Rubber Mfg. Co., Bloomfield, N. J.
Elastic Tip Co., 370 Atlantic av, Boston, Mass.

## 10078— Nails (Rubber Heel)

Eastern Nail Co., Providence, R. I.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 10079—Nails (Saddle & Lining)

Atlas Tack Co., Fairhaven, Mass.
Enterprise Mfg. Co. ("Pflueger" Harness Spots & Saddle Nails), Akron, O.
Kokomo Steel & Wire Co., Kokomo, Ind.
Shelton Tack Co. (Lining Only), Shelton, Conn.
Townsend Co., New Brighton, Pa.

## Nails (Screen)

See Nails, Small

## 10080— Nails (Screw Head)

Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Kokomo Steel & Wire Co., Kokomo, Ind.
Townsend Co., New Brighton, Pa.

## 10081—Nails (Self-Clinching)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.

## 10082— Nails (Sherardized)

Eastern Nail Co., Providence, R. I.

## 10083— Nails (Shingle)

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Crawfordsville Wire & Nail Co., Crawfordsvile, Ind.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Maze W. H. Co. (Solid Zinc), Peru, Ill.
Miller's H. J. Sons, Bridgewater, Mass.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
National Sheet Metal Co. (Zinc), Peru, Ill.
Townsend Co., New Brighton, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 10084— Nails (Shoe)

Atlas Tack Co., Fairhaven, Mass.
Churchill & Allen, Lynn, Mass.
Clendenin Brothers (Brass & Brass Plated), Central av & Fawn, Baltimore, Md.
Cleveland Tack Works, 1205 E 55th (Also Shoe Tacks), Cleveland, O.
Cross W. W. & Co., Brockton, Mass.
Diamond Tack & Nail Works, 89 Beach Boston, Mass.
Eastern Nail Co. (All Kinds), Providence, R. I.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Gurney D. B. Co., Whitman, Mass.
H. C. Tack Co., Cleveland, O.
Hassall Jno. Inc., Clay & Oakland, Brooklyn, N. Y. *See adv index at end of book*
Haverhill Tack Co., Haverhill, Mass.
Holland Mfg. Co., Central av. & Bank, Baltimore, Md.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Milwaukee Tack Co. (Iron, Steel & Zinc), 27th & Wahl av, Milwaukee, Wis.
National Tack Co., East Bridgewater, Mass.
Penn Tack Co., Norristown, Pa.

NAILS (SHOE)—continued

Phillips E. & Sons (Also Machine, Shoe, Brass & Copper Shoe), South Hanover, Mass.
Roberts G. G. Corp., Whitman, Mass.
Rome Brass & Copper Co. (Corrugated Brass), Rome, N. Y.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Stevens & Willis Co., South Braintree, Mass.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
Waterman R. C. & Co., So Hanover, Mass.

## 10084a— *Nails (Side Pointed)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*

## 10085— Nails (Small)

See also Tack Manufacturers

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Atlas Tack Co., Fairhaven, Mass.
Belfont Iron Works Co., Ironton, O.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Fuller G. E. & A. I., Keene, N. H.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**Gulf States Steel Co., Birmingham, Ala.**
**Hassall Jno. (Inc.),** Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
Igoe Bros., Canal & Lafayette, New York
*See adv index at end of book*
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Phillips E. & Sons (Iron, Steel, Copper, Brass & Zinc), S Hanover, Mass.
Rhodes M. M. & Sons Co. (Upholstery), Taunton, Mass.
*See adv index at end of book*
Ripley & Bartlett, Plymouth, Mass.
Roberts G. G. Corp., Whitman, Mass.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Stanley Geo. W. Co., Belleville, Ill.
Torrington Mfg. Co. (Furniture), Torrington, Conn.
Tower Mfg. Co. (Basket Hoop, etc), Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
Tremont Nail Co. (Cut), West Wareham, Mass.
Turner & Seymour Mfg. Co. (Furniture, etc), Torrington, Conn.
Waterman R. C. & Co., So Hanover, Mass.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
York Tack & Nail Works (Cut), York, Pa.

## 10086—Nails (Socket Corner)

Berbecker & Rowland Mfg. Co., Waterville, Conn.

## 10087— Nails (Special)

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Belfont Iron Works Co., Ironton, O.
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
**HASSALL JNO. INC.** (Also Plated), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Townsend Co., New Brighton, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 10088— Nails (Stay)

Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Hager C. & Sons, Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.

## 10089— Nails (Tie Dating)

American Steel & Wire Co. (Tie Pole or Marking), 208 So La Salle, Chicago, Ill.
*See adv index at end of book*
Kokomo Steel & Wire Co., Kokomo, Ind.
Townsend Co., New Brighton, Pa.
Western Railway Equipment Co., Central National Bank bldg, St. Louis, Mo.

## 10090—Nails (Tobacco Box)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Igoe Bros., Canal & Lafayette, New York
*See adv index at end of book*
Kokomo Steel & Wire Co., Kokomo, Ind.
Norton Iron Works, Ashland, Ky.
Townsend Co., New Brighton, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 10091—Nails (Trunk Clout & Finishing)

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Atlas Tack Co., Fair Haven, Mass.
Belfont Iron Works Co., Ironton, O.
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Diamond Tack & Nail Works, 89 Beach, Boston, Mass.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Genesee Tack Co., Rochester, N. Y.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Holland Mfg. Co., Central av & Bank Baltimore, Md.
Igoe Bros., Canal & Lafayette, New York
*See adv index at end of book*
Kokomo Steel & Wire Co., Kokomo, Ind.
La Belle Iron Works, Steubenville, O.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Norton Iron Works, Ashland, Ky.
Penn Tack Co., Norristown, Pa.
Phillips E. & Sons, South Hanover, Mass
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Somers Patrick E., Worcester, Mass.
Smith & McCrorken, Inc. (Jobbers), 411 E 18th, New York
Stanley Geo. W. Co., Belleville, Ill.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
Van Alen & Co. (Cut), Northumberland, Pa.
Waterman R. C. & Co., So Hanover, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Wire Goods Co., Worcester, Mass.
Youngstown Sheet & Tube Co. (Finishing "Youngstown"), Youngstown, O.

## Nails (Upholsterers')

See Tacks, Upholsterers'

## 10091a— *Nails (Wagon)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*

## 10092— Nails (Wire)

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Atlantic Steel Co., Atlanta, Ga.
Atlas Tack Co. (And Wire Tacks), Fairhaven, Mass.
Badger Nail Co., 159 Muskego av, Milwaukee, Wis.
Baker Chas. F. & Co., 48 Lincoln, Boston, Mass.
Belfont Iron Works Co., Ironton, O.
Brower Roy L. Corp., 86 Front, New York
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Cedarburg Wire & Wire Nail Co. (Sizes ¼ to 4 in.), Cedarburg, Wis.
Colorado Fuel & Iron Co., Denver, Colo.
Continental Steel & Supply Co. (Cement Coated Common), Fulton bldg, Pittsburgh, Pa.
Corbin Screw Corporation (Steel), New Britain, Conn.
Crawfordsville Wire & Nail Co. (All Sizes), Crawfordsville, Ind.
Eastern Nail Co., Providence, R. I.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Gurney D. B. Co. (Sizes up to 20 Penny), Whitman, Mass.
**HASSALL JNO. (INC,),** Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
**IGOE BROTHERS** (All kinds), Canal & Lafayette, New York
*See adv index at end of book*
Illinois Nail Co., 826 Dix, Chicago, Ill.
Indiana Steel & Wire Co. (Plain & Cement, Coated), Muncie, Ind.
**INTERNATIONAL SHIP FITTINGS & SUPPLY,** 212-214 Fulton, Brooklyn, N. Y. *See adv index at end of book*
Interstate Iron & Steel Co. (All Sizes), 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Janesville Barb Wire Co., Janesville, Wis.
Jones & Laughlin Steel Co. (Steel), Ross, Pittsburgh, Pa.
Kelly Nail & Iron Co., Ironton, O.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
**LARKIN J. K. & CO.,** 34 Reade, New York
*See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co," Zinc Coated), Branford, Conn.
Mead John J. Co., 75 Barclay, New York
*See adv index at end of book*
Milwaukee Tack Co. (Small Only), 27th & Wahl av, Milwaukee, Wis.
Nichols Wire Co., 21st & Baltimore, Kansas City, Mo.
Norton Iron Works, Ashland, Ky.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Parker Wire Goods Co., Worcester, Mass.
Pittsburgh Steel Co. ("Pittsburgh Perfect"), Pittsburgh, Pa.
Plymouth Mills (Small), Plymouth, Mass.
Saul Eugene C., Monadnock bldg, San Francisco, Cal.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
**SMITH & McCRORKEN, INC.** (Jobbers), 411 E 18th, New York
Soule Edw. L. Co. (Iron & Steel Products of All Kinds), Rialto bldg, San Francisco, Cal.
*See adv index at end of book*
Stanley Geo. W. Co. (Small), Belleville, Ill.
Townsend Co., New Brighton, Pa.
Van Brunt J. A. & Co., Inc., 114 John, New York
Veithardt Steel & Metal Corp., 15 Park row, New York
Walton & Macke Nail Co. (Cement Coated), Kokomo, Ind.
Washburn Wire Co., Phillipsdale, R. I.
Waterman R. C. & Co. (Small), South Hanover, Mass.
**WELD-WIRE CO.,** 395 Christopher av, Brooklyn, N. Y.
*See adv index at end of book*
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Wire Goods Co., Worcester, Mass.
Wire & Steel Products Co., Inc., 417 E 22d, New York *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 10093—Nails (Yellow Metal)

Midwest Brass & Copper Co., Inc., 480 Broome, New York
Taunton-New Bedford Copper Co., Taunton, Mass.

## 10094-5—Nails (Zinc Coated)

Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.

Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*

## 10096— Name Plates

Abbott W. H., 143 W 42d, New York
American Name Plate Co., 352 Atlantic av, Boston, Mass.
Aterite M. H. Co. Inc. (Non-Corrosive), 55 John, New York
Becker August Engraving Co. (Cast), 247 Atlantic av, Boston, Mass.
Blake Mfg. Co. (Bicycle, etc), Springfield, Mass.
**BOSSERT CORP., THE,** cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
Brinkerhoff's J. P. Sons, 57 Dey, New York
Buckeye Iron & Brass Wks. (Brass), Dayton, O.
**CHANDLER CO.,** Springfield, Mass.
Columbus Brass Co. (Brass & Bronze), 538 Dublin av, Columbus, O.
*See adv index at end of book*
Corbin Cabinet Lock Co. (Wrought, Brass, etc), New Britain, Conn.
Crowe Name Plate & Engraving Co. (Etched), 1749 Grace, Chicago, Ill.
Cutlers Pearl Mfg. Co., 55 Commercial, Newark, N. J.
Dent Hardware Co. (Raised or Sunken Letter), Fullerton, Pa.
Dickey-Grabler Works (All Kinds), Cleveland, O.
Electro Chemical Engraving Co. (Inc.) (Etched), 450 19th, Brooklyn, N. Y.
Everett A. & Son, Auburn, N. Y.
G. & P. Engraving Co., Wollaston, Mass.
General Etching & Mfg. Co., 312 S Hamilton av, Chicago, Ill.
Gibbs W. F. Mfg. Co. (Celluloid), New Haven, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Highton Wm. & Sons Co. (Automobile, etc), Nashua, N. H.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Knight H. W. & Son, Seneca Falls, N. Y.
Kokomo Fence Machine Co. (Aluminum Only), Kokomo, Ind.
Konigslow E. Stamping & Tool Works, Cleveland, O.
Limerick J. Arthur Co., 960 N Howard, Baltimore, Md.
Matthews Jas. H. & Co. (Stamped, Cast & Etched), 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J. & Co., 36 S. Meridian, Indianapolis, Ind.
Metallograph Corp., 1100 Brook av, New York
Meyer & Wenthe, 108 N Dearborn, Chicago, Ill.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Mulhaupt F. Jos., Lafayette, Ind.
Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.
Napier-Browning Co. (Celluloid), 105 W 40th, New York
Newark Brass Plate Engraving Co. (Etched), 52 Laurence, Newark, N. J.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; & 68 W Washington, Chicago, Ill. *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Norwalk Lock Co., South Norwalk, Conn.
Premier Metal Etching Co., 14th, Long Island City, N. Y.
Reading Hardware Co., Reading, Pa.
Riley-Klotz Co., Mulberry, Newark, N. J.
Robbins John Mfg. Co., 58 Kneeland, Boston, Mass.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Schmidt Geo. T., 136 W Lake, Chicago, Ill.
Shank E. A. Sign Co., 19 Park pl, New York
Shonk Chas. W. Co., Maywood, Ill.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Spencer S. M. Mfg. Co. 9 Cornhill, Boston, Mass.
Stanley Mfg. Co., 46 Cannon, Dayton, Ohio.
Torrey Roller Bushing Works, Bath, Me.
Turner Brass Works (Brass, Bronze & Aluminum), Sycamore, Ill.
**TYLER W. S. CO.,** Cleveland, O.
*See adv index at end of book*
Union Porcelain Works, 300 Eckford, Brooklyn, N. Y. (Sign & Number Plates, Porcelain)
Wadsworth Engraving Co., Springfield, O.
Western Brass Mfg. Works (In Different Names), Marshall blvd & W 21st, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.
Wolverine Brass Works, Grand Rapids, Mich.
Wood-Detroit Mfg. Co. (Bronze), Marquette bldg, Detroit, Mich.
Woodman R. Mfg. & Supply Co., 82 Sudbury, Boston, Mass.
Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.

## 10097—Name Plates (Cement Sidewalk)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Knight H. W. & Son, Seneca Falls, N. Y.
Leggett & Duryea (Brass), Princeton, N. J.
Matthews Jas. H. & Co. (Brass), Pittsburgh, Pa.
Schmidt Geo. T. (Brass), 136 W Lake, Chicago, Ill.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

## 10098—Name Plates (Telephone)

Electro Chemical Engraving Co. (Inc.) (Etched), 450 19th, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Shonk Chas. W. Co., Maywood, Ill.

## 10099—Naphtha (Coal Tar)

Barrett Co., 17 Battery pl, New York
Cambria Steel Co., Widener bldg, Phila., Pa.

## 10100— Naphtha Gas

Sun Co., Finance bldg, Philadelphia, Pa.

## 10101— Naphtha Refiners

**ADMIRAL PETROLEUM CO.,** 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Advance Oil Co., Oil City, Pa.
Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.
Barrett Co. (Naphthaline), 17 Battery pl, New York
Cameron Refining Co., Ardmore, Okla.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Clarendon Refining Co., Clarendon, Pa.
Cornplanter Refining Division, Warren, Pa.
Craig Oil Co., Toledo, Ohio
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Gulf Refining Co. (Engines, Painters, etc), Frick bldg, annex, Pittsburgh, Pa.
Indian Refining Co., 244 Madison av, New York
International Refining Co., Columbus, Ohio
Louisiana Oil Refining Co., Shreveport, La.
Miller's A. D. Sons Co., Columbus & Preble, Pittsburgh, Pa.
Mutual Refining Co. (Ltd.), Warren, Pa.
National Refining Co., Rose bldg, Cleveland, O.
Ohio Cities Gas Co., Columbus, O.
Paragon Refining Co., Toledo, O.
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Works, Titusville, Pa.
Pennsylvania Refining Co., Karns City, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sloan & Zook, Bradford, Pa.
Southern Oil Corp., Tulsa, Okla.
Standard Oil Co. of Cal., 200 Bush, San Francisco, Cal.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Sun Co. (56 Gravity Deodorized), Finance bldg, Phila., Pa.
Sunlight Oil & Gasoline Co., 49th & Gray's av, Phila., Pa.
**TEXAS COMPANY** ("Texaco," Safety Varnish), 17 Battery pl, New York
*See adv index at end of book*
Union Petroleum Co., Widener bldg, Philadelphia, Pa.
Warren Refining Co., Warren, Pa.
*See adv index at end of book*
Waverly Oil Works Co., Pittsburgh, Pa.

## 10102— Naphtha (Solvent)

Barrett Co., 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
Jordan William E., Inc., 13 Cliff, New York
Semet-Solvay Co., Syracuse, N. Y.
United Gas Improvement Co., Broad & Arch, Phila., Pa.
Western Aniline Products Co., Hammond, Ind.

## 10103— Naphthalene

Agawam Chemical Works, (Dinitro), Grosvenor bldg, Providence, R. I.
Bischoff C. &. Co. (Imp.), 451 Wash'n, New York
Briggs Chemical Works (Flake), Amherst, Ohio
Cambria Steel Co., Widener bldg, Phila., Pa.
Dana & Co., Inc., 111 B'way, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Jordan William E., Inc., 13 Cliff, New York
Lewis F. J. Mfg. Co., 2513 Robey, Chicago, Ill.
National Aniline & Chemical Co. (Flakes, Ball & Crystals) (Imp.), 21 Burling slip, New York
Nitrated Chemicals Co., Inc. (Flake), Lorain, O.
Roessler & Hasslacher Chemical Co. (Flake, Ball & Crystal), 709 6th av, New York
Semet-Solvay Co. (Solvent), Syracuse, N. Y.
United Gas Improvement Co., No. Broad & Arch, Philadelphia, Pa.
White Tar Co., 21 Cliff, New York
White Tar Co. of N. J., Inc., 56 Vesey, New York

## 10104— Naphthalizarine

Bischoff C. & Co. (Imp.), 451 Washington, New York

## 10104a— Naphthol (Alpha)

Briggs Chemical Works, Amherst, O.
Central Dyestuff & Chemical Co., Newark, N. J.
Harmer Laboratories Co., 1704 Market, Phila., Pa.
Hord Color Products Co., Sandusky, O.
Marden, Orth & Hastings Co., 136 Liberty, New York

## 10105— Naphthol (Manufacturers & Importers)

Montcalm Chemical Wks. (Beta), 220 No. Illinois, Indianapolis, Ind.
Sykes W. F. & Co., 8 Lispenard, New York

## 10105a—Naphthyl (Beta, Benzoate)

Florasynth Laboratories, Inc., 15 Beekman, New York
Merck & Co., 45 Park pl, New York
Organic Products Corp., Schenectady, N. Y.
Seydel Mfg. Co., 8 Forrest, Jersey City, N. J.

## 10105b— Naphthylamine (Beta)

Aniline Dyes & Chemicals Co., Inc., 134 Cedar, New York
Montcalm Chemical Wks., 220 No. Illinois, Indianapolis, Ind.
Po Ambo Chemical Co., Matawan, N. J.

## 10105c— Naples Yellow

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 10105d— Naval Stores

North Carolina Naval Stores Co., Wilmington, N. C.
Swett C. T. Co., Portland, Maine

## 10106— Nebulizers

Globe Mfg. Co., Battle Creek, Mich.
Holland Instrument Corp., 2314 N 11th av, Phila., Pa.
Whitall, Tatum Co., 410 Race, Phila., Pa.

## 10107— Neck Yokes

**Adams E. B. & Son ("Adams" Safety), Racine, Wis.**
Ames Body Corp., Owensboro, Ky.
**Avery B. F. & Sons, Louisville, Ky.**
**Baltimore Hub-Wheel & Mfg. Co., Fallsway & Gy., Baltimore, Md.**
**Buckeye Handle, Gear & Bending Co., Alliance, O.**
**Burroughs-Ross-Colville Co., McMinnville, Tenn.**
**Campbell & Dann Mfg. Co., Tullahoma, Tenn.**
**Canfield Mfg. & Novelty Co., Canfield, O.**
**Collins Hilton Co., Louisville, Ky.**
**Columbiana Mfg. Co., Columbiana, O.**
**Covert Saddlery Works, Interlaken, N. Y.**
Crane & MacMahon (Inc.), 10 Bridge, New York
**Crook Son & Co., Hicksville, O.**
**Fort Smith Rim & Bow Co., Fort Smith, Ark.**
**Gillette C. H., Indianapolis, Ind.**
**Graham Thos. & Co., Madison, Ind.**
**Hartwell C. L. & Co., Chicago Heights, Ill.**
**Harvey Spring & Forging Co. (Wagon & Plow), Racine, Wis.**
**Heider Mfg. Co., Carroll, Ia.**
**Heiser J. B., Atwater, O.**
**Herschel R. Mfg. Co., Peoria, Ill.**
**Imperial Bit & Snap Co., Racine, Wis.**
**Keller & Tamm Mfg. Co., Victor & Levee, St. Louis, Mo.**
**Lack Singletree Co. ("Noxall," "National"), Paducah, Ky.**
**Lamb-Fish Lumber Co., Charleston, Miss.**
**Lebzelter P. & Son Co., Lancaster, Pa.**
**Leonard F. B. & Co., Metropolis, Ill.**
**Lindsay Mfg. Co., Ottumwa, Ia.**
**Medina Bending Works, Medina, O.**
**Metropolis Bending Co., Metropolis, Ill.**
**National Neck Yoke Co., ("Pearson," "National," "Rock Island," "Shuman"), Rock Island, Ill.**
**Nixdorff, Krein Mfg. Co., 900 Howard, St. Louis, Mo.**
**North Indianapolis Cradle Works, Indianapolis, Ind.**
**Peterson Samuel, Warren, Pa.**
**Phipps J. H. Lumber Co., Fayetteville, Ark.**
Prouty C. & Co. ("Jocky"), Eldred, Pa.
**Racine General Mfg. Co. (Wagon Jobbers), Racine, Wis.**
**Racine Malleable & Wrought Iron Co., Racine, Wis.**
**Ransome Concrete Machinery Co., Dunellen, N. J.**
**Reno Mfg. Co. ("New Era," "Express," "Torpedo" Wagon, Buggy, etc), Erie, Pa.**
**Sequatchie Handle Works, Sequatchie, Tenn.**
**Sharon Steel Hoop Co. ("Danielson" Pressed Steel), Sharon, Pa.**
**Sheldon Handle Co., Kinzua, Pa.**
**Shrauger & Johnson, Atlantic, Ia.**
**Shupp Homer A., Effort, Pa.**
**Sieg Co., Davenport, Ia.**
**Spencer Mfg. Co., Spencer, Ind.**
**Stevens A. E. & Co., Portland, Me.**
**Tanner D. F., Holland, N. Y.**
**Titusville Handle Co., Titusville, Pa.**
**Towers & Sullivan Mfg. Co., Rome, Ga.**
**Turnbull Motor Truck & Wagon Co. (Hickory Wagons Sets), Defiance, O.**
**Turner, Day & Woolworth Handle Co., Louisville, Ky.**
**Union Bending Works, Collins, O.**
**United States Pressed Steel Co. (Pressed Steel), Ypsilanti, Mich.**
**Vehicle Supply Co., Cairo, Ill.**
**Von Behren Mfg. Co., Evansvile, Ind.**
**Westwood Turning Co., Fremont, O.**
**Wildermuth Bending Co., Columbus, O.**
**Youngstown Pressed Steel Co., Warren, O.**
*See adv index at end of book*

### Needle Mfrs.

**See also Needles, Various Kinds, under head of Textile Machinery, Supplies, etc.**

## 10108—Needles (Bag or Sack)

**Barr Bros. Co. (Hand Made), Oakland Cal.**
Berbecker & Rowland Mfg. Co., Waterville, Conn.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.

## 10108a—Needles (Belt Lacing Machine)

Simmons Mfg. Co., 77th & Lyons av, Philadelphia, Pa.

## 10109— Needles (Broom)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Hyde Mfg. Co., Southbridge, Mass.

## 10110— Needles (Carpet)

Barr Bros. Co., Oakland, Cal.
**Berbecker & Rowland Mfg. Co., Waterville, Conn.**
United States Needle Concern, 912 W Madison, Chicago, Ill.

## 10111-2— Needles (Darning)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
United States Needle Concern, 912 W Madison, Chicago, Ill.

## 10113—Needles (Harness)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
United States Needle Concern, 912 W Madison, Chicago, Ill.

## 10114—Needles (Hypodermic, Dental, Etc.)

**Banks F. S. & Co., 149 Church, New York**
Becton Dickinson & Co. ("Yale" Hypodermic), Rutherford, N. J.
Brody Wm. & Co., 1911 Park av, New York
**National Thermometer Co., 125 E 23d, New York**
Randall-Faichney Co. ("R. & B." "Climax," "Imperial"), Boston, Mass.
**Tagliabue Chas. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.**
Weinhagen & Hespe, 159 Leonard, New York

## 10114a—Needles (Knitting, Wooden)

Bernheimer & Blumenthal Co., Inc. (Wood, Ivory, Silver & Gold), 138 W 14th, New York
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***

### Needles (Mining)

See Miners' Needles & Scrapers

## 10115— Needles (Packing)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
United States Needle Concern, 912 W Madison, Chicago, Ill.

### Needles (Phonograph)

See Needles, Talking Machines

### Needles (Sewing Machine)

**For page of this trade see index of contents**

## 10116—Needles (Talking Machine)

**B. & H. Fibre Mfg. Co. (Fibre), 35 W. Kinzie, Chicago, Ill.**
Dean Jno. M. Corp., Putnam, Conn.
General Phonograph Corp., 25 W 45th, New York
Heineman Otto Phonograph Supply Co., 25 W 45th, New York
**Paddock-Williamson Co., 1036 Euclid av, Cleveland, O.**
Torrington Co., The Excelsior Plant, successor to Excelsior Needle Co. ("Torrington"), Torrington, Conn.
*See adv index at end of book*
Valvatone Wood Needle Co., Kansas City, Mo.
Victor Talking Machine Co., Camden, **N. J.**

## 10117—Needles (Upholsterers')

Barr Bros. Co., Oakland, Cal.
Berbecker & Rowland Mfg. Co., Waterville, Conn.
United States Needle Concern, 912 W Madison, Chicago, Ill.

## 10118— Neoarsaminol

Takamine Commercial Corp., 120 B'way, New York

### Nets (Arc Globe)

See Guards, Electric Lamp

## 10119—Nets (Fish Landing)

General Phonograph Corp. ("Harrimac," "Steel Collapsing," "Our Own," "I-D-L"), 25 W 45th, New York
**St. Charles Net & Hammock Co., St. Charles, Ill.**
Young Carlos G. ("Barnes" Folding), 320 Market, San Francisco, Cal.

## 10120— Nets (Life Saving)

**Combination Ladder Co. ("Manhattan"), 366 Fountain, Providence, R. I.**
**Cory-Patterson Mfg. Co. ("Browder"), Greeenfield, O.**
**Hayward S. F. & Co. ("Hayward," "Atlas," "Bonner," "Empire"), 250 W 54th, New York**
**Hunter Malcolm, 32 Dutchkill**
**Woodhouse Mfg. Co., 64 W B'way, New York**

## 10121— Netting (Mosquito)

Adams Mfg. Co., Shelton, Conn. 510 B'way, New York
Gage John S. (Head Nets for Mosquitoes), 510 B'way, New York
**Leather Geo. E., 1543 Ruan, Philadelphia, Pa.**
**Lindley Mfg. Co., Tusculum & A, Philadelphia, Pa.**
**McLean Andrew Co., Passaic, N. J.**
**North Scituate Cotton Mills, N. Scituate, R. I.**
Palmer I. E. Co. (Canopies), Middletown, Conn.
**Thompson Jas. & Co., 112 Prince, New York**
**Westerly Textile Co., Westerly, R. I.**

## 10121a— Netting (Wire)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich.
*See adv index at end of book*
Midwest Brass & Copper Co., Inc. (Brass, Bronze & Copper), 480 Broome, New York *See adv index at end of book*
New Jersey Wire Cloth Co., Trenton, N. J.
*See adv index at end of book*
**Tyler W. S. Co., Cleveland, O.**
*See adv index at end of book*

## 10122—Neutralizer (Electric)

**Chapman Electric Neutralizer Co. ("Chapman," to Remove Static Electricity) Portland, Me.**
**Portland Co. ("Chapman" Process), Portland, Me.**
**United Printing Machinery Co. ("Chapman," Sole U. S. Selling Agents), 100 Summer, Boston, Mass.**

## 10123— Nickel (Aluminized)

New Era Mfg. Co., Kalamazoo, Mich.

## 10123a—Nickel Ammonium Sulphate

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 10123b— Nickel (Bromide)

Cooper Chas. & Co., 194 Worth, New York

## 10123c— Nickel Carbonate

Drakenfeld B. F. & Co. (Selling Agents), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.

## 10124— Nickel Chloride

Drakenfeld B. F. & Co., Inc. (Selling Agents), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Munning A. P. & Co., Mattawan, N. J.

## 10125— Nickel (Electrolytic)

**American Smelting & Refining Co., 120 B'way, New York**
Drakenfeld B. F. & Co. (Selling Agents), 50 Murray, New York
**INTERNATIONAL NICKEL CO.,** 43 Exchange pl, New York
*See adv index at end of book*
**Raritan Copper Works, 42 B'way, New York**

# NICKEL

## RODS CASTINGS WIRE

## WILLIAMS & CO., Inc.

901-937 PENNSYLVANIA AVE., N. S. PITTSBURGH, PA.


### 10126— Nickel Mfrs.

American Boron Products Co., Inc. (Boronic in Shot Form), Reading, Pa.
**DAFT A. C.** (Mfrs. Agent), Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
Driver-Harris Co. (Rod Sheet, Strip & Wire), Harrison, N. J.
*See adv index at end of book*
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
**INTERNATIONAL NICKEL CO.,** 43 Exchange pl, New York
*See adv index at end of book*
United Smelting & Aluminum Co., Inc. (Jobbers), 183-189 Commerce, New Haven, Conn.
United States Nickel Co. (Cube Nickel), New Brunswick, N. J.

### 10126a— Nickel Nitrate

Drakenfeld B. F. & Co. (Selling Agents), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.

### 10126b— Nickel Oxide

Drakenfeld B. F. & Co. (Selling Agents), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Roessler & Hasslacher Chem. Co., 709 6th av, New York

### Nickel Salts (Double)

See Nickel Sulphate

### Nickel Salts (Single)

See Nickel Sulphate

### 10126c— *Nickel Silver (Patent Leveled)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
Seymour Mfg. Co. (For Soda Fountains, etc), Seymour, Conn.

### 10127— Nickel Sulphate

Drakenfeld B. F. & Co. (Selling Agents), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Munning A. P. & Co. (Single & Double), Mattawan, N. J.
United States Metals Refining Co., 61 B'way, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

### 10128—Nickeloid, Copperoid, Brassoid & Steeloid

**American Nickeloid Co. (Nickelized Sheet** Steel, Zinc, Copper, Brass, etc), Peru, Ill.

### 10129—Nicolene, Copperene, Brassene, Nickeltin, Brasstin & Coppertin

National Sheet Metal Co. (Nickelized Sheet Zinc, Tin Plate, Steel, Copper, Brass, etc), Peru, Ill.

### 10129a—Nicolene (Nickel Plated Zinc Sheets)

National Sheet Metal Co., Peru, Ill.

### 10130—Nicotine Solutions & Tobacco Extracts

Kentucky Tobacco Product Co., Louisville, Ky.

### 10131— Nigrosine

American Synthetic Color Co., Stamford, Conn.
Heller & Merz Co., 505 Hudson, New York
Jamaica Dyewood & Chemical Co., 50 Church, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
National Aniline & Chemical Co., Inc., 21 Burling slip, New York

### 10132— Nippers (Bicycle)

**STARRETT L. S. CO. (THE)** (Adjustable Jaw), Athol, Mass.
*See adv index at end of book*
Utica Drop Forge & Tool Co., Utica, N. Y.

### 10133—Nippers (Blacksmiths')

Buffum Tool Co. ("Swastika" Hoof Paring, Nail Cutting etc), South Side, Louisiana, Mo.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Smith H. D. & Co. ("W. D. W.", Drop Forged), Plantsville, Conn.
Starr-Nettleton Mfg. Co, East Hampton, Conn
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Washington Tool Co. ("Larsons"), Owatonna, Minn.

### 10134—Nippers (Champagne)

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

### 10135—Nippers (End Cutting)

See also Pliers

Bridgeport Hardware Mfg. Corp. ("Hercules"), Bridgeport, Conn.
**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**
Champion Tool Co. ("Champion"), Meadville, Pa.
Cronk & Carrier Mfg. Co., 150 Lake, Elmire, N. Y. *See adv index at end of book*
Hotchkiss T. D. Co. ("Todd"), Deep River, Conn.
Irvington Mfg. Co., Irvington, N. J.
Jones Eli & Sons ("Jones" Hoof), Luverne, Minn
Liberty Steel Co., 233 B'way, New York
**Lowentraut P. Mfg. Co., 36 Brenner,** Newark, N. J.
**OSBORNE C. S. & CO.,** Box 183, Newark, N. J. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Scholhorn Wm. Co. ("Bernard"), New Haven, Conn.
**Smith Otis A. (End Cutting), Rockfall, Conn.**
**SMITH & HEMENWAY CO., INC.** ("Red Devil"), 261 B'way, New York; 130 Coit, Irvington, N. J.
*See adv index at end of book*
Starr Bros. Bell Co. ("Nettleton" Reversible), East Hampton, Conn.
**STARRETT L. S. CO. (THE)** (Adjustable Jaw), Athol, Mass.
*See adv index at end of book*
Utica Drop Forge & Tool Co. ("Bull Dog," "Utica"), Utica, N. Y.
Williams A. C. Co., Ravenna, O.

### 10136-7— Nippers (Fruit)

Kraeuter & Co., 583 18th av, Newark, N. J.

### Nippers (Hoof)

See Parers, Hoof

### 10138—Nippers (Tinners', Etc.)

See also Nippers, End Cutting

Hotchkiss T. D. Co. ("Todd's"), Deep River, Conn.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
Osborne C. S. & Co., Box 183 Newark, N. J.
*See adv index at end of book*
Smith Otis A., Rockfall, Conn.
**SMITH & HEMENWAY CO., INC.,** 261 B'way, New York; 130 Coit, Irvington, N. J. *See adv index at end of book*
Starr-Nettleton Mfg. Co., East Hampton, Conn.
Wusterbarth Bros., Meriden, Conn.

### 10139— Nippers (Trout)

Marble Arms & Mfg. Co. ("Marble's"), Gladstone, Mich.

### Nippers (Wire)

See Pliers & Nippers

### 10140—Nipple Threaders (Ceiling)

Armstrong Mfg. Co. ("Armstrong"), 278 Knowlton, Bridgeport, Conn.

### 10141— Nipples (Gun)

Schoverling, Daly & Gales (Dealer), 302 B'way, New York

### 10142-3— Nipples (Hose)

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
Allen Fire Dept. Supply Co., 159 Aborn, Providence, R. I.
American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Aterite M. H. Co., Inc. (Acid), 55 John, New York
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Callahan Cornelius Co., 127 Purchase, Boston, Mass.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dayton Malleable Iron Co. (Air Brake,
Detroit Brass Works, 331 Holden, Detroit, Mich.

NIPPLES (HOSE)—continued

Elkhart Brass Mfg. Co., Elkhart, Ind.
Exeter Brass Works, Exeter, N. H.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hayward S. F. & Co., 250 W 54th, New York
Howell F. R. Brass Works, 122 N Franklin, Phila., Pa.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Jiffy Fire Hose Rack Co., 727 7th av, New York
Josts' Edmunds Sons, 58 1st, Newark, N. J.
Knox Mfg. Co. (Pneumatic Hose), 821 Cherry, Philadelphia, Pa.
Lucey Manufacturing Corp., 233 B'way, New York
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.**, 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
McShane Bell Foundry Co., Harford av & B. & O. R. R., Baltimore, Md.
Medina Stamping & Mach. Co., Medina, N. Y.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Powell Wm. Co. (Brass), Cincinnati, O.
*See adv index at end of book*
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Standard Brass & Iron Works (for Brewers, etc), 1820 St. Paul av, Milwaukee, Wis.
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Walworth Mfg. Co., Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

## 10144— Nipples (Pipe)

**ACHESON MFG. CO.** (Brass), Rankin, Pa.
*See adv index at end of book*
A. J. Nipple & Pipe Cutting Co. (Wrought Iron), 203 Lafayette, New York
Buffalo Nipple & Machine Co., Inc., 335 Glenwood av, Buffalo, N. Y.
**BYERS A. M. CO.** (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
*See adv on front cover*
Campbell Lewis, Boyerstown, Pa.
Chicago Nipple Mfg. Co. (Wrought Iron), 908 W Lake, Chicago, Ill.
Clark Co., West Newton, Pa.
Crane Co., Bridgeport, Conn.
**CRESSMAN N. C. CO.**, (Brass, Steel & Iron), Drexel bldg., Phil., Pa.
Fretz S. S. Jr., 23rd & Sedgley av, Philadelphia, Pa.
General Fire Extinguisher Co., Providence, R. I.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Iroquois Nipple Works (Iron), 306 Genesee, Buffalo, N. Y.
Kelly & Jones Co. (Wrought Iron, Brass, etc), 135 Water, Pittsburgh, Pa.
Larkins J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Liberty Iron Pipe & Nipple Works, 138 Center, New York
**LUNKENHEIMER CO.** (Brass), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McMann & Taylor Co., 104 John, New York
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Newark Tube & Metal Works (Small Sizes), 560 Ferry, Newark, N. J.
Pfaff & Kendall (Wrought Iron), 655 Ferry, Newark, N. J.
Pittsburgh Nipple & Mfg. Co., 30 Carson, Pittsburgh, Pa.
Powell Wm. Co. (Brass), Cincinnati, O.
*See adv index at end of book*
Rex-Harris Fire Appliance Co. (Brass), 310 W 39th, New York
Richardson Edro Brass Co. (Brass), 318 N Holliday, Baltimore, Md.
Schaad Paul (Brass, Copper & Iron), 179 Pearl, New York
Wilder Sidney & Co. (Brass), Holliston, Mass.



## 10145— Nipples (Radiator)

Flagg Stanley G. & Co., Morris bldg, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
National Malleable Castings Co., 7706 Platt, S E, Cleveland, O.
National Radiator Co. (Non-Corrosive Malleable Iron Push), Johnstown, Pa.
Pratt Chuck Co., Frankfort, N. Y.

## 10146— Nipples (Reducing)

Haydenville Co., Haydenville, Mass.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Simmons Pipe Bending Works, 40 Mechanic, Newark, N. J.
Wolverine Brass Works, Grand Rapids, Mich.

## Nipples (Soldering)

See Unions & Nipples, Soldering

## 10147—Nipples (Zinc Coated, Steel Slip)

Pratt Chuck Co., Frankfort, N. Y.

## 10148-52— Nitrate

Grace Wm. R. & Co., 7 Hanover sq, New York
Merrimac Chemical Co. (Iron & Copper), 148 State, Boston, Mass.
Seldner & Enequist (Iron), 86 Hausman, Brooklyn, N. Y.
Tennant C. Sons & Co. of New York (Imp.) (Ammonia & Lead, etc), 100 William, New York
Wiarda John C. & Co. (Potash, Silver, Soda, etc, Jobbers), 273 Greene, av, Brooklyn, N. Y.

## Nitrate of Aluminum

See Aluminum Nitrate

## Nitrate of Copper

See Copper Nitrate

## Nitrate of Iron

See Iron Nitrate

## Nitrate of Lead

See Lead Nitrate

## Nitrate of Nickel

See Nickel Nitrate

## 10153-4—Nitrate of Potassium (Saltpetre)

See also Saltpetre
Ashcraft Wilkinson Co., Atlanta, Ga.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Nitrate of Silver

See Silver Nitrate

## 10155-6— Nitrate of Soda

American Agricultural Chemical Co. (Imp.), 2 Rector, New York
Armour Fertilizer Works, U. S. Yards, Chicago, Ill.
Ashcraft-Wilkinson Co., Atlanta, Ga.
Baker H. J. & Bro. (Imp.), 81 Fulton, New York
Balfour Guthrie & Co. (Imp.), 350 California, San Francisco, Cal.
Battelle & Kenwick (Refined), 80 Maiden lane, New York
Buffalo Fertilizer Works, Marine Bk. bldg, Buffalo, N. Y.
Ducas B. P. Co. (Imp.), 25 S William, New York
Grace Wm. R. & Co. (Imp.), 7 Hanover sq, New York
Grasselli Chemical Co. (Exporters & Importers), Guardian bldg, Cleveland, O.
Heller, Jos. S. (Brokers), 62 William, New York
Lang J. M. & Co. (Brokers), Savannah, Ga.
Miller Jos. B., Finance bldg, Phila., Pa.
New Orleans Acid & Fertilizer Co., Gretna, La.
Nitrate Agencies Co. (Imp), 102 Pearl, New York
Raritan Chemical Works, 8 W 40th, New York
Royster F. S. Guano Co., Norfolk, Va.
Standard Guano & Chemical Mfg. Co., New Orleans, La.
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Swift & Co., Union Stock Yards, Chicago, Ill.
Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York
Tupelo Fertilizer Factory (Imported), Tupelo, Miss.
Walter Edw. J. Co. (Brokers), American bldg, Baltimore, Md.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wessel, Duval & Co. (Direct Importers), 25 Broad, New York

## Nitrate of Sodium

See Sodium Nitrate, also Nitrate of Soda

## Nitrate of Strontium

See Strontium Nitrate

## 10157— *Nitrators (Aniline)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 10158—Nitrators (Nitro-Glycerine)

Laughlin, Thos. Co., Portland, Maine.
Luther Mfg. Co., Olean, N. Y.

## 10158a—*Nitrators (Picric Acid)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 10159— Nitre

Drakenfield B. F. & Co. (Dealers), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Wiarda John C. & Co., 273 Greene av, Brooklyn, N. Y.

## 10160— Nitre Cake

American Metal Co., 61 B'way, New York
Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Butterworth-Judson Corporation, 61 B'way, New York *See adv index at end of book*
Contact Process Co., Buffalo, N. Y.
Du Pont (E. I.) De Nemours & Co. (By-Product Division), Wilmington, Del.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Riverside Acid Works, Warren, Pa.

## 10160a—*Nitre Cellulose Solutions

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*

## 10160b—*Nitric Acid Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 10161— Nitrobenzol

Calco Chemical Co., Bound Brook, N. J.
Chemical Co. of America (Mfrs.), 320 B'way, New York
Klipstein A. & Co. (Imported), 644 Greenwich, New York
Knight Maurice A. (Chemical Stoneware), Akron, Ohio.
Montcalm Chemical Wks., Indianapolis, Ind.

## 10162— Nitrocellulose

Celluloid Zapon Co., Inc., 200 5th av, New York *See adv index at end of book*
Hercules Powder Co., Wilmington, Del.
*See adv index at end of book*
Maas & Waldstein Co., 92 William, New York
Wright Chemical Co., 38 Park Row, New York

## 10163— Nitro-naphthalene

Agawam Chemical Wks., Grosvenor bldg, Providence, R. I.
Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Barrett Co., 17 Battery pl, New York
Newport Chemical Works, Milwaukee, Wis.

# WILLIAM SCHIMPER & CO.

R. R. DEBACHER, President

*Manufacturers of*

## FINE METAL NOVELTIES

TOILET SETS
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SPECTACLE CASES
ADVERTISING NOVELTIES

SMOKERS ARTICLES
MANICURE SETS AND FITTINGS
CARD CASES
SOAP BOXES
MILITARY BRUSHES AND SETS

*Factory:* Hoboken, N. J. *Salesroom:* 33 Union Sq., New York, N. Y.


### 10163a— Nitrophenol (Ortho)

Harmer Laboratories Co., 1704 Market, Phila., Pa.
Rector Chemical Co., 2 Rector, New York

### 10163b— Nitrotoluol

Chemical Co. of America, 28 Platt, New York
Dye Products & Chemicals Co., 200 5th av, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Montcalm Chemical Wks. (Mixed), 220 No. Illinois, Indianapolis, Ind.
National Aniline & Chemical Co., 21 Burling slip, New York
Newport Chemical Wks., Inc., Milwaukee, Wis.
Western Aniline Products Co., Hammond, Ind.

### 10163c— Nitroxylol

Montcalm Chemical Wks., Indianapolis, Ind.

### 10163d—*" Nocoloy " (Manufactured Articles, High Nickel Non-Corrosive Alloy)

Supplee-Biddlee Hardware Co., 510 Commerce, Phila., Pa.

### 10164— Noils (Ramie)

Wolf W. & Sons (India & China Cotton Silk), 549 Atlantic av, Boston, Mass.

### 10165— Notches (Cinder)

**KEYSTONE BRONZE CO.,** 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

### Novelties (Aluminum)

See Firms in Metal Novelties & Specialties with the Word Aluminum Following their Name

### 10166—Novelties (Silver & Silver Plated)

*Indicates Plated Ware

Averbeck M. J., 10 Maiden la, New York
Baker-Manchester Mfg. Co., 100 Stewart, Providence, R. I.
Barrows H. F. & Co., North Attleboro, Mass.
*Bass E. & J. (Toilet), 610 B'way, New York
Bassett Jewelry Co., 36 Garnet, Providence, R. I.
Battin & Co., 3d av, Newark, N. J.
Bechard Mfg. Co., 706 Townsend, Chicago, Ill.
Bens Wm. Co., 7 Beverly, Providence, R. I.
Blackinton R. & Co., North Attleboro, Mass.
*Bliss E. A. Co., Meriden, Conn.
*Carr M. W. & Co., Somerville, Mass.
Carter, Gough & Co., 9 Maiden la, New York
Codding & Heilborn Co., North Attleboro, Mass.
Deitsch Bros., 14 E 17th, New York
*Deitsch I. N. (Photo Frames), 1239 Madison av, New York
Dominick & Haff, 545 W 23d, New York
*Eastwood-Park Co. (Toilet Specialties), 102 Murray, Newark, N. J.
Feeley W. J. Co., 169 S Angell, Providence, R. I.
Fessenden & Co., 100 Friendship, Providence, R. I.
Finck & Oldroyd, Elizabeth, N. J.
*Fishel-Nessler Co., 184 5th av, New York
Ford-Perry Co., 70 Ship, Providence, R. I.
Foster Theo. W. & Bro. Co., 100 Richmond, Providence, R. I.
Fradley J. F. & Co., 312 E 23d, New York
Hamilton & Hamilton Jr., Providence, R. I.
Harper W. E. Co., New Britain, Conn.
Hoffman F. S. & Co., 223 E 23d, New York
*†International Silver Co., Meriden, Conn.
*Jennings Silver Co. (Toilet), Irvington, N. J.
*Jones A. H. Co., Meriden, Conn.
Kirk Samuel & Son Co., 108 E. Baltimore, Baltimore, Md.
*Kronheimer & Oldenbusch Co., (Photo Frames), 362 5th av. New York
La Pierre Mfg. Co., Newark, N. J.
Lederer S. & B. Co., 100 Stewart, Providence, R. I.
*Meriden Silver Plate Co. (Branch of International Silver Co.), Meriden, Conn.
Merrill Bros. Co., 22 Greene, Newark, N. J.
Nussbaum & Hunold, 14 Blount, Providence, R. I.
Ortner Jno. E. & Co. (Bag Frames), 481 Washington, Newark, N. J.
Oskamp Nolting Co., 30 W 7th, Cincinnati, Ohio
Park City Silverware Co., Bridgeport, Conn.
Paye & Baker Mfg. Co., North Attleboro, Mass.
Riley & French, North Attleboro, Mass.
Royal Mfg. Miller-Hoefer Co., 89 Jefferson av, Detroit, Mich.
Saart Bros. Co., Attleboro, Mass.
**SCHIMPER WM. & CO.,** 322-338 Ferry, Hoboken, N. J.; & Union Square, W, New York *See adv index at end of book*
Schmitz, Moore & Co., 401 Mulberry, Newark, N. J.
Shabeck John C. L., 245 W Exchange, Providence, R. I.
Stern Louis & Co. (Bags), Metcalf bldg, Providence, R. I.
Strobell & Crane, 33 E Kinney, Newark, N. J.
Unger Bros., 416 Halsey, Newark, N. J.
Vanderbilt Clarence A., 132 W 14th, New York
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
*Wallingford Co., Wallingford, Conn.
Watson Co., Attleboro, Mass.
Webster Co., North Attleboro, Mass.
*Weidlich Bros. Mfg. Co., Bridgeport, Conn.
Wendell & Co., 337 W Madison, Chicago, Ill.
Whiting F. M. & Co., North Attleboro, Mass.
Whiting & Davis Co., Plainville, Mass.
Woodside Sterling Co., 170 B'way, New York

### 10166a— Novelties (Wooden)

**See also Advertising Novelties & Specialties**

Adams S. S. Co. (Jokers Novelties, Puzzles, etc), Plainfield, N. J.
American Automatic Device Co., 515 W Monroe, Chicago, Ill.
Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Elite Mfg. Co., Aldenville, Pa.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

### 10166b—Novelty Manufacturers' Materials

Du Pont Fabrikoid Co. (Leather Type), Wilmington, Del.
Kennebunk Mfg. Co. ("Kemaco" Fibre), Milton, N. H.

### 10167— *Nozzles (Air)

**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**STAR BRASS WORKS,** 3129 Carroll av, Chicago, Ill. *See adv index at end of book*

### 10168—Nozzles (Air Washing & Humidifying)

Badger, E. B. & Sons Co., 75a Pitts, Boston, Mass.
*See adv index at end of book*
**SPRAY ENGINEERING CO.** ("Spraco"), 93 Federal, Boston, Mass.
*See adv index at end of book*

"SPRACO"
"Center Jet Nozzles". For Air-Washing and Humidifying Equipment
SPRAY ENGINEERING CO.
93 Federal St., BOSTON, MASS.


**STAR BRASS WORKS** ("Spra-Rite"), 3129 Carroll av, Chicago, Ill.
*See adv index at end of book*

### 10169—Nozzles (Asphalt Spraying)

Morse A. J. & Son, Inc., 221 High, Boston, Mass.
**SPRAY ENGINEERING CO.** ("Spraco"), 93 Federal, Boston, Mass.
*See adv index at end of book*

"SPRACO"
"Asphalt Nozzles". For spraying hot asphalt in road-making.
SPRAY ENGINEERING CO.
93 Federal St., BOSTON, MASS.


**STAR BRASS WORKS** ("Spra-Rite"), 3129 Carroll av, Chicago, Ill.
*See adv index at end of book*

## Nozzles (Black Lead)

See Nozzles, Plumbago

## 10170— Nozzles (Blast)

Schutte & Koerting Co. (For Chimneys, Steam Jet), 1251 N 12th, Phila., Pa.

## 10171— Nozzles (Chemical)

Callahan Cornelius Co. ("Jackson"), 127 Purchase, Boston, Mass.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Rex-Harris Fire Appliance Co., 310 W 39th, New York
Sieben Chemical Spraying Nozzle Co. ("Fire King"), Kansas City, Mo.
Spray Engng. Co. ("Spraco" Two Fluids), 93 Federal, Boston, Mass.
*See adv index at end of book*

"SPRACO"
Chemical Nozzles, For all purposes.
SPRAY ENGINEERING CO.
93 Federal St., BOSTON, MASS.


**STAR BRASS WORKS** ("Spra-Rite"), 3129 Carroll av, Chicago, Ill.
*See adv index at end of book*

## 10172 —Nozzles (Fire Boat & Hose Wagon)

Jones, Jas. Co., 201 Leroy, Los Angeles, Cal.
Loeffelholz Co., Milwaukee, Wis.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Wheaton A. W. Brass Works ("Newark"), 110 Walnut, Newark, N. J.

## 10173—Nozzles (Flanged Boiler, Forged Steel)

**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*
Kellogg M. W. Co., 90 West, New York
*See adv index at end of book*
Ryerson Jos. T. & Son ("Horsley"), 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

## 10174— Nozzles (Hose)

Acheson Mfg. Co. (Garden), Rankin, Pa.
*See adv index at end of book*
American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Anderson Coupling & Fire Supply Co. (Combination), Kansas City, Kans.
Anderson G. A. Mfg. Co. ("Anderson"), Bush & Russell, Baltimore, Md.
Aterite M. H. Co., Inc. (Acid), 55 John, New York
Beaton & Cadwell Mfg. Co. ("Gem"), New Britain, Conn.
Boston Coupling Co. ("Haley"), 156 Pearl, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Boston," "Eclipse," "Stanley Jr.," "Fairy," "Daisy," "Deluge," "Hot House"), Cambridge, Mass.
Buckeye Iron & Brass Works (Hose Pipe), Dayton, O.
Callahan Cornelius Co. ("Callahan" Shut-Off, Fire Hose, etc), 127 Purchase, Boston, Mass.
Clark W. J. Co., Salem, O.
Clay Jno. H., 1320 Ridge av, Phila., Pa.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
***For branch offices see Alphabetical Section***
Crane Co. ("Gem"), Bridgeport, Conn.
Davoren W. T. Brass Finishing Works ("Davoren Denver"), 1241 N 12th, Denver, Colo.
Eastman Samuel Co., East Concord, N. H.
Elkhart Brass Mfg. Co. ("Firearms Pet," "Elk." Shut-Off), Elkhart, Ind.
Fabric Fire Hose Co., 127 Duane, New York
Fries & Co., 91 Main, Buffalo, N. Y.
Hardware Supply Co., Grand Rapids, Mich.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hayward S. F. & Co., 250 W 54th, New York
Howell F. R. Brass Works, 122 N Franklin, Phila., Pa.
Jones, Jas. Co., 201 Leroy, Los Angeles, Cal.
Kelley & Jones Co. (S. S. S."), 135 Water, Pittsburgh, Pa.
Knox Mfg. Co. (Malleable Iron), 821 Cherry, Phila., Pa.
Landers, Frary & Clark ("Fairy" & "Climax"), New Britain, Conn.
Larkin Mfg. Co. (Shut-Off), Dayton, O.
Medina Stamping & Mach. Co., Medina, N. Y.
Morse Andrew J. & Son (Inc.), ("Mose," "Monitor"), 221 High, Boston, Mass.
Myers F. E. & Bro., 900 Fourth, Ashland, O. *See adv index at end of book*
Nelson L. R. ("Central," "Little Monitor," "Universal"), Peoria, Ill.
Neumeyer H. F. & Sons ("New"), Macungle, Pa.
Peck Bros. & Co., New Haven, Conn.
Sherman H. B. Mfg. Co. ("Diamond"), Battle Creek, Mich.
Sieben Chemical Spraying Nozzle Co. ("Fire King," with Chemical Cartridge in Nozzle for Fire Disinfecting, etc), Kansas City, Mo.
Simmons John Co. ("C. L. E."), 110 Centre, New York
*See adv index at end of book*
Standard Brass & Iron Works (Heavy for Brewers, etc), 1820 St. Paul av, Milwaukee, Wis.
Universal Nozzle Co., Indianapolis, Ind.
Wheaton A. W. Brass Works ("Newark" Turret Fire Hose), 110 Walnut, Newark, N. J.
Wolverine Brass Works, Grand Rapids, Mich.

## 10175—Nozzles (Hydraulic Mining)

**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*

## 10176— Nozzles (Irrigating)

Morse A. J. & Son, Inc., 221 High, Boston, Mass.
**SPRAY ENGINEERING CO.** ("Spraco"), 93 Federal, Boston, Mass.
*See adv index at end of book*

"SPRACO"
Nozzles for Irrigation. The "Boston Giant" Park Sprinkler.
SPRAY ENGINEERING CO.
93 Federal St., BOSTON, MASS.


## 10177—Nozzles (Oil Burner)

**LUNKENHEIMER CO.** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
**STAR BRASS WORKS,** 3129 Carroll av, Chicago, Ill. *See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 10177a— Nozzles (Pipe)

**BALLWOOD CO., THE,** 30 Church, New York *See adv index at end of book*

## 10178—Nozzles (Plumbago)

McCullough-Dalzell Crucible Co. (For Bessemer & Open Hearth Furnaces), 36th & A. V. R. R., Pittsburgh, Pa.
Seidel B. (Inc.) (For All Purposes), 1322 Callowhill, Phila., Pa.

## 10179—Nozzles (Sand Blast)

**LUNKENHEIMER CO.** Executive Offices & Factoriees: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Stodder W. F., P. O. Box 747, Syracuse, N. Y.

## 10180— Nozzles (Spray)

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
Allen W. D. Mfg. Co. ("Allen," "Mystic," "Justrite," "Peerless," "Magic," "Fairy"), 566 W Lake, Chicago, Ill.
*See adv index at end of book*
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass.
*See adv index at end of book*
Bean Spray Pump Co., San Jose, Cal.
Beaton & Cadwell Mfg. Co. ("Gem"), New Britain, Conn.
Brown E. C. Co. ("Non-clog"), Rochester, N. Y.
Buffalo Forge Co. ("Buffalo"), Buffalo, N. Y.
Cooling Tower Co., 15 John, New York
**DEMING CO.** ("Acme," "Bordeaux," "Demorel," "Simplex," "Giant Simplex," "Vormorel"), Salem, O.
*See adv index at end of book*
Elkhart Brass Mfg. Co. ("Elkhart"), Elkhart, Ind.
Field Force Pump Co. ("Tiger"). Elmira, N. Y.
Friend Mfg. Co., Gasport, N. Y.
Fries & Co., 91 Main, Buffalo, N. Y.
Goulds Mfg. Co. ("Mistry"), 71 W Fall, Seneca Falls, N. Y.
*See adv index at end of book*
Loeffelholz Co. ("Foley," Solid Stream, Shut Off & Spray), Milwaukee, Wis.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
**MYERS F. E. & BRO.** ("Fembro," "New Way," "Bordeaux," "Vermorel," "Imperial," "Myers"), 900 4th, Ashland, O.
*See adv index at end of book*
Niagara Sprayer Co. ("Scientific," for Spraying Trees, etc), Middleport, N. Y.
Sandusky Fdry. & Machine Co., Sandusky O.
Schutte & Koerting Co. (Atomizing "Koerting" for Mines, Chemicals, etc), 12th & Thompson, Phila., Pa.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
**SPRAY ENGINEERING CO.** ("Spraco" for Cooling Condensing Waters), 93 Federal, Boston, Mass.
*See adv index at end of book*

"SPRACO"
Center Jet Nozzles for Cooling Condensing Water.
SPRAY ENGINEERING CO.
93 Federal St., BOSTON, MASS.


Star Brass Works ("Spra-Rite), 3129 Carroll av, Chicago, Ill.
*See adv index at end of book*

## 10181—Nozzles (Sprinkler, for Sewage)

Merritt Hydraulics Co. ("Merritt" & "Weand"), 110 N Broad, Phila, Pa.
Priestman Albert ("Merritt"), 323 Chestnut, Phila., Pa.

## 10182 —Nozzles (Standpipe)

Loeffelholz Co. (Combination & Judge Distributing), Milwaukee, Wis.
Morse A. J. & Son, Inc., 221 High, Boston, Mass.

## 10182a— Nozzles (Welded)

Ballwood Co., The, 30 Church, New York
*See adv index at end of book*

## Numbers & Letters (Decalcomania)

See Ornaments, Transfer

## 10183—Numbers & Letters (Metal)

See also Name Plates

**Allen, Doane & Co., 29 Cornhill, Boston, Mass.**
**Aluminum Goods Mfg. Co. (Aluminum House), Manitowoc, Wis.**
Arcade Mfg. Co. (House Numbers Only, no Letters, Brass & Aluminum), Freeport, Ill.
Benfield Milne Mfg. Co., 80 Homes, Newark, N. J.
**Blasier-Sanborn Mfg. Co., Utica, N. Y.**
Borreson Mfg. Co. (Auto & House), St. Paul, Minn.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Brim A. W. (White & Brass), Seneca Falls, N. Y.
Cincinnati Mfg. Co., Cincinnati, O.
Crouse-Hinde Co., Syracuse, N. Y.
Dongan Elec. Mfg. Co., 741 Franklin, Detroit, Mich.
**EDWARDS MFG. CO.,** 545 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Enamel Products Co. (House Numbers), Eddy rd & Taft av, Cleveland, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Highton Wm. & Sons Co., Nashua, N. H.**
**Hoggson & Pettis Mfg. Co., New Haven, Conn.**
**Ingram-Richardson Mfg. Co. (Porcelain Enameled Iron Automobile Numbers, also house & miscellaneous numbers), Beaver Falls, Pa.**
*See adv index at end of book*
Hageman Sign Co., 14 E Commerce, Youngstown, O.
*See adv index at end of book*
**Kienzle Wm. F., 4855 N Paulina, Chicago, Ill.**
**Knight H. W. & Son (House, etc), Seneca Falls, N. Y.**
Louisiana Metal Cabinet Works, New Orleans, La.
**Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.**
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
**Miller J. Walter Co. (House), Lancaster, Pa.**
Moise Klinkner Co., 369 Market, San Francisco, Cal.
**Mulhaupt F. Jos., Lafayette, Ind.**
**Newman Mfg. Co. (Brass & Bronze), 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill.**
*See adv index at end of book*
**Niagara Falls Metal Stamping Works (Copper Milk Can, Automobile, House, etc), Niagara Falls, N. Y.**
**Nicol & Co. (House Numbers Only), 218 N. Jefferson, Chicago, Ill.**
Norwalk Lock Co., South Norwalk, Conn.
Payson Mfg. Co. (House Numbers), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co. Reading, Pa.
Pioneer Corp. (House Numbers), 1249 W 65th, Chicago, Ill.
Providence Brass & Aluminum Foundry (House Numbers), 460 Eddy, Providence, R. I.
Reading Hardware Co., Reading, Pa.
Rex-Harris Fire Appliance Co. (Aluminum Numbers), 310 W 39th, New York
**Reynold-Zahn Co., 46 Mechanic, Newark, N. J.**
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
**Robbins Jno. Mfg. Co., 58 Kneeland, Boston, Mass.**
Russell & Erwin Mfg. Co. (Steel), New Britain, Conn.
**Sackman Mfg. Co. (Steel), Akron, O.**
Shanafelt Mfg. Co. (Pattern, White Metal), Canton, O.
**Smith F. P. Wire & Iron Works, 2340-48 Clybourn, Chicago, Ill.**
*See adv index at end of book*
**Smith R. H. Mfg. Co., Springfield, Mass.**
**Spokane Stamp Works, Spokane, Wash.**
**Steere Geo. (House, Sign, etc), 432 S Dearborn, Chicago, Ill.**
Stover Mfg. & Engine Co., Freeport, Ill.
**Taylor & Boggis Foundry Co. (House), Cleveland, O.**
**Turner & Seymour Mfg. Co. (House Numbers Only), Torrington, Conn.**
Waterbury Button Corporation (Raised), 831 So. Main, Waterbury, Conn.
*See adv index at end of book*
**Western Brass Mfg. Works (Cast Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.**
Whitlock Mfg. Co., 1506 W 112th, Cleveland, O.
Wilcox, Crittenden & Co. Inc. (Brass), Middletown, Conn.
*See adv index at end of book*
Ziegler Bros. Co., Elgin, Ill.

## 10184—Nut Crackers & Picks

**Arcade Mfg. Co. ("Arcade," "Standard" & "Universal," Crackers Only), Freeport, Ill.**
**Browne & Dowd Mfg. Co. (Crackers only),** Meriden, Conn.
Cassady, Fairbank Mfg. Co. ("May Eureka," "Winchester," "Invincible Victor" & **"Pride Standard"), 6126 S La Salle, Chicago, Ill.**
**Gray Iron Foundry Co. ("20th Century" Nut Crackers), Reading, Pa.**
**Grey Iron Casting Co. (Crackers Only),** Mt. Joy, Pa.
**Jennings Bros. Mfg. Co., Bridgeport, Conn.**
**Landers, Frary & Clark, New Britain, Conn.**
**Lowentraut P. Mfg. Co. (Crackers Only),** 36 Brenner, Newark, N. J.
**Meriden Cutlery Co. ("Anvil"), Meriden, Conn.**
**Nicol & Co. ("N. & Co." Crackers Only), 218 N Jefferson, Chicago, Ill.**
**Osborne C. S. & Co. (Nut Crackers Only),** Box 183 Newark, N. J.
*See adv index at end of book*
Peck, Stow & Wilcox Co., 428 E 48th, New York
**Quackenbush H. M., Herkimer, N. Y.**
**Rollman Mfg. Co.** (Ltd.) **("Rollman" Crackers), Mt. Joy, Pa.**
**Sargent & Co. (Crackers Only), New Haven, Conn.**
**Schroeter Bros. Hardware Co. (Home Nut** Crackers), 810 Washington, St. Louis, **Mo.**
Stearns E. C. & Co. (Serrated Jaw Nut Crackers), 450 Oneida, Syracuse, N. Y.
Tri-angle Mfg. Co. ("New Century"), Freeport, Ill.
**Turner & Seymour Mfg. Co., Torrington,** Conn.
**Williams A. C. Co. (Crackers Only), Ravenna. O.**
Woldert Ales Co. ("Squirrel" Crackers), Tyler, Tex.
**Wrightsville Hardware Co. ("Brighton"** Crackers), Wrightsville, Pa.

## Nut-Locks

See Lock-Nuts & Washers

## Nut Machinery

See Machinery, for Various Kinds of Nut Machinery

## 10185— Nut Mfrs.

Under this Head see Sub-classifications following

See also Bolt, Nut & Rivet Manufacturers
American Car & Foundry Co. (Square & Hexagon), Syndicate Trust bldg, St. Louis, Mo.
American Equipment Co., Norristown, Pa.
American Screw Co. (Small), 21 Stevens, Providence, R. I.
Anchor Bolt & Nut Co., Poughkeepsie, N. Y.
**ATLAS BOLT & SCREW CO.,** 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Automatic Metal Products Co., Springfield, Ohio
Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.
Bayonne Bolt & Nut Co., Bayonne, N. J.
*See adv index at end of book*
Berry Bros., Columbus, O.
Bethlehem Steel Co., So. Bethlehem, Pa.
**BOSS NUT CO.,** 1744 N Kolmar av, Chicago, Ill.
Bourne & Knowles Mfg. Co., Cleveland, O.
Brightman Nut & Mfg. Co., Sandusky, O.
Cambria Steel Co., Widener bldg, Phila., Pa.
Champion Mfg. Co., 7332 Kimbark av, Chicago, Ill.
Chicago Nut Co., 5213 W 20th, Chicago, Ill.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Millidale, Conn.
*See adv index at end of book*
Cold-Jess Mfg. Co., Cleveland, O.
Columbus Bolt Works Co., Columbus, O.
Continental Bolt & Iron Works, 2226 W 43d, Chicago, Ill.
Curtis Screw Wks., Buffalo, N. Y.
Delaware Marine Mfg. Co., Wilmington, Del.
Detroit Nut Co. (Steel, Brass & Bronze), Hubbard av & M. C. R. R., Detroit, Mich.
**Dyson Jos. & Sons (Square & Hexagon),** 5125 St. Clair av, Cleveland, O.
**Eastern Bolt & Nut Co., E Providence, Providence, R. I.**
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Garland Mfg Co., 1st National Bank Bldg., Pittsburgh, Pa.
**Gary Screw & Bolt Co., Gary, Ind.**
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
**Greenlie Wyatt & Co., 499 Water, New York**
**Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.**
**Haskell Wm. H. Mfg. Co., Pawtucket, R. I.**
Hill-Smith Metal Goods Co. (For Automobiles only), 82 Brookline av, Boston, Mass.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, Ohio.
Lamson & Sessions Co., 2188 Scranton R. S. W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
**Moore Franklin Co., Winsted, Conn.**
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
National Screw & Tack Co., Stanton av S E & C. P. Ry., Cleveland, O.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, O.
**Ohio Nut & Bolt Co., Berea, O.**
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pawtucket Mfg. Co., Pawtucket, R. I.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Rhode Island Tool Co., Providence, R. I.
Rochester Machine Screw Co., Rochester, N. Y.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
**St. Louis Screw Co., Clarence & Bulwer av, St. Louis, Mo.**
Sandusky Nut Co., Sandusky, O.
Spafford Machine Screw Works (Milled), 516 Asylum, Hartford, Conn.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Union Cap Screw Co., 684 Hendrie, Detroit, Mich.
**Upson Nut Co., Cleveland, O.**
**Western Automatic Machine Screw Co., Elyria, O.**
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.
**Youngstown Mfg. Co., Youngstown, O.**

## Nut Picks

**See Nut Crackers & Picks**

## 10186— Nutgalls

**Bredt F. & Co., 240 Water, New York**
*See adv index at end of book*
Innis, Speiden & Co., Inc. (Imp.), 46 Cliff, New York. *See adv index at end of book*
Norden A. & Co. (Imp.), 60 Beaver, New York
Thurston & Braidich (Imp.), 27 Cliff, New York

## 10187— Nuts (A. L. A. M.)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*

## 10188—Nuts (Acorn Carriage)

**Bossert Corp. (Differential Adjusting),** cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Dent Hardware Co., Fullerton, Pa.
Vahan Products Co., 73d & St. Clair, Cleveland, O.

## 10188a—Nuts (Automobile)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Greer, Frederic, 525 W Van Buren, Chicago, Ill.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

## 10189— Nuts (Bicycle)

Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Curtis Screw Works, Buffalo, N. Y.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Perry-Fay Mfg. Co., Elyria, O.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Portchester, N. Y.
Upson Nut Co., Cleveland, O.
Western Automatic Machine Screw Co., Elyria, O.

## 10190— Nuts (Brass Cap)

Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Continental Electric Co., 1883 Park av, New york
Corbin Screw Corporation (Acorn Cap or Blank Brass, Bronze, Iron or Steel), New Britain, Conn.
Curtis Screw Wks., Buffalo, N. Y.
Detroit Screw Works (Brass & Steel Acorn Cap), 348 Franklin, Detroit, Mich.
Greer, Frederic, 525 W Van Buren, Chicago, Ill.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Reed & Prince Mfg. Co., Worcester, Mass.
St. Louis Screw Co., Clarence & Bulwer av, St. Louis, Mo.
Standard Screw Co., 81 E Madison, Chicago, Ill.
Star Expansion Bolt Co. ("Star"), 145 Cedar, New York
*See adv index at end of book*
Steward & Romaine Mfg. Co., 124 N 6th, Phila., Pa.
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.

## 10191—Nuts (Brass, Hexagon)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd. Cleveland, O. *See adv index at end of book*
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Continental Electric Co., 1883 Park av, New York
Curtis Screw Wks., Buffalo, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Greer, Frederic, 525 W Van Buren, Chicago, Ill.
Humason Mfg. Co., Forestville Station, Bristol, Conn.
*See adv index at end of book*
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, O.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Waltham Screw Co., Waltham, Mass.

## 10192—Nuts (Brass & Copper)

American Pin Co. ("Ampinco" Brass Only), Waterbury, Conn.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Ansonia Mfg. Co., Ansonia, Conn.
Blake & Johnson Co. (To Order), 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*

Chicago Nut Co. (Brass Only), 2513 W 20th, Chicago, Ill.
Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
Continental Elec. Co., 1883 Park av, New York
Corbin Screw Corp., New Britain, Conn.
Curtis Screw Wks., Buffalo, N. Y.
Detroit Nut Co. (Brass & Bronze), Hubbard av & M. C. R. R., Detroit, Mich.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Gaynor Mfg. Co. (Brass for Steam, Gas & Water Fittings), Bridgeport, Conn.
Hill Geo. Q. Co. (& Steel), Framingham, Mass.
International Brass & Electric Co. (Brass Hexagon, Machine Made), 76 Beekman, New York
Mead John J. Co., 75 Barclay, New York
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Mutual Electric & Machine Co. (Copper), 232 Fort W, Detroit, Mich.
National Acme Co. (Brass Only), 7500 Stanton av S E, Cleveland, O.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, O.
Pheoll Mfg. Co. (Brass), 5700 W 12th, Chicago, Ill.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
RAWLES, JAMES D. COMPANY, 253 B'way, New York
Reed & Prince Mfg. Co. (& Brass Cast), Worcester, Mass.
Rockford Bolt Co. (Brass), 60 Mill, Rockford, Ill.
St. Louis Screw Co. (Brass & Bronze), Clarence & Bulwer av, St. Louis, Mo.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Waterbury Mfg. Co. (Brass), Waterbury, Conn.
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.

## 10192a— Nuts (Carriage Bolt)

Reed & Prince Mfg. Co., Worcester, Mass.

## 10193—Nuts (Case Hardened)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd. Cleveland, O. *See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Corbin Screw Corporation, New Britain, Conn.
Curtis Screw Wks., Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Garland Mfg. Co., 1st Nat'l Bk. bldg, Pittsburgh, Pa.
Gary Screw & Bolt Co. (Finished), Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Larkin J. K. & Co., 34 Reade, New Work
*See adv index at end of book*
Milton Mfg. Co. (Finished Hexagon), Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av S E, Cleveland, O.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Pittsburgh Screw & Bolt Co. (Finished), Preble av, Pittsburgh, Pa.
Rhode Island Tool Co. (Finished), Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer av, St. Louis, Mo.

Upson Nut Co., Cleveland, O.
Waltham Screw Co., Waltham, Mass.
Western Automatic Machine Screw Co., Elyria, Ohio

## 10194— Nuts (Cast Iron)

Ladd W. C., Bristol, Conn.

## 10195— Nuts (Castellated)

Automatic Screw Mach. Products Co., 416 W Grand av, Chicago, Ill.
Brightman Mfg. Co., Columbus, O.
Brightman Nut & Mfg. Co., Sandusky, O.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Columbia Nut & Bolt Co., Bridgeport, Conn.
Curtis Screw Wks., Buffalo, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Greer, Frederic, 525 W Van Buren, Chicago, Ill.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Hill Pump Valve Co (also Plain), 4001-21 Belmont av, Chicago, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co. (Iron & Steel), 7500 Stanton av, S E, Cleveland, O.
National Screw & Tack Co., Stanton av, S E & C. & P. Ry, Cleveland, O.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
New London Screw & Nut Wks., New London, O.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Peerless Nut Co., 4300 Perkins av, Cleveland, O.
St. Louis Screw Co., Clarence & Bulwer av, St. Louis, Mo.
Sherman-Klove Co., 4538 W Harrison, Chicago, Ill.
Western Automatic Mach. Screw Co., Elyria, O.

## 10196— Nuts (Caster)

Russell, Burdsall & Ward Bolt & Nut Co., (Case Hardened), Port Chester, N. Y.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.

## 10197—Nuts (Castle, Semi-Finished)

Curtis Screw Wks., Buffalo, N. Y.
Detroit Screw Works, (Also Polished, also "S. A. E." ), 348 Franklin, Detroit, Mich.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Milton Mfg. Co., Milton, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.

## 10198—Nuts (Check & Jam)

Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Corbin Screw Corp., New Britain, Conn.
Curtis Screw Wks., Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Garland Nut & Rivet Co., Lawrence county, West Pittsburgh, Pa.
Gary Screw & Bolt Co. (Cold Punched & Semi-Finished), Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, Ohio
Larkin J. K. & Co. (Check Only), 34 Reade, New York
*See adv index at end of book*
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Acme Co., 7500 Stanton av, S. E., Cleveland, O.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.

Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Pittsburgh Screw & Bolt Co. (Cold Punched & Semi-Finished), Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Upson Nut Co., Cleveland, O.
Western Automatic Machine Screw Co., Elyria, Ohio

## 10199— Nuts (Clevis)

Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
Cleveland City Forge & Iron Co., Cleveland, O.
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
**MERRILL BROS.**, 3 Arnold, Maspeth (Borough of Queens), N. Y. *See adv index at end of book*

## 10200— Nuts (Cold Drawn)

Curtis Screw Wks., Buffalo, N. Y.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## 10201— Nuts (Cold Pressed)

American Equipment Co., Norristown, Pa.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Berry Bros., Columbus, O.
Columbus Bolt Works Co., Columbus, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
National Acme Co. (Machine Screw), 7500 Stanton av, S E, Cleveland, O.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.

## 10202—Nuts (Cold Punched)

American Equipment Co., Norristown, Pa.
Arghis, E. J. & Co., 74 Wall, New York
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Ballard Drop Forge Co., Seattle, Wash.
Bethlehem Steel Co., So. Bethlehem, Pa.
Berry Bros., Columbus, O.
Buffalo Bolt Co., Buffalo, N. Y.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
**CLARK BROS. BOLT CO.**, Milldale, Conn. *See adv index at end of book*
Columbus Bolt Works Co., Columbus, O.
Corbin Screw Corporation (Tapped, Square & Hexagon), New Britain, Conn.
Falls Rivet Co., Kent, Ohio
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Garland Nut & Rivet Co., Lawrence county, West Pittsburgh, Pa.
Gary Screw & Bolt Co. (Chamfered & Trimmed), Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, O.
Lamson & Sessions Co. (Chamfered & Trimmed), 2188 Scranton rd, S W, Cleveland, O.
**LARKIN J. K. & CO.**, 34 Reade, New York. *See adv index at end of book*
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Maryland Bolt Co., Continental bldg., Baltimore, Md.
Mead John J. Co., 75 Barclay, New York *See adv index at end of book*
Milton Mfg. Co. (Chamfered & Trimmed), Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Pittsburgh Screw & Bolt Co. (Chamfered & Trimmed), Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Smith Thos. Co., Worcester, Mass.
Upson Nut Co., Cleveland, O.

## 10203— Nuts (Coupling)

Cleveland Punch & Shear Works Co., 3921 St. Clair av, N. E, Cleveland, O.
Cleveland Steel Tool Co. (To Fit Any Punching Machine), 660 E 82nd, Cleveland, O.

## 10204—Nuts (Double Cupped)

St. Louis Screw Co., 600 E Clarence av, St. Louis, Mo.

## 10205— Nuts (Forged)

American Equipment Co., Norristown, Pa.
Ames W. & Co., Communipaw av, Jersey City, N. J. *See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
Columbus Bolt Works, Columbus, O.
Dyson Jos. & Sons, 5125 St. Clair av, Cleveland, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O. *See adv index at end of book*
Kansas City Bolt & Nut Co., Kansas City, Mo.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co. (Large), 62nd & A. V. R. R., Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Titusville Forge Co., Titusville, Pa.
Upson Nut Co., Cleveland, O.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 10206— Nuts (Hot Pressed)

American Bolt Co., Birmingham, Ala.
American Equipment Co. ("U. S. Standard"), Norristown, Pa.
Ames W. & Co., Communipaw av, Jersey City, N. J. *See adv index at end of book*
Arghis E. J. & Co., 74 Wall, New York
Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.
Bayonne Bolt & Nut Co., Bayonne, N. J. *See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Buffalo Bolt Co., Buffalo, N. Y.
Cambria Steel Co., Widener bldg, Phila., Pa.
Clark Bros. Bolt Co., Milldale, Conn. *See adv index at end of book*
Columbus Bolt Works Co., Columbus, O.
Falls Rivet Co., Kent, Ohio
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Gary Screw & Bolt Co., Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Maryland Bolt Co., Continental bldg., Baltimore, Md.
Mead John J. Co., 75 Barclay, New York *See adv index at end of book*
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens, N. Y. *See adv index at end of book*
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
Milton Mfg. Co. (Square & Hexagon), Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Republic Iron & Steel Co., Youngstown, O. *See Branch Offices Alphabetical Section*
Rockford Bolt Co. (Square & Hexagon), 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co. (Square & Hexagon), Scranton, Pa.
Southern California Iron Steel Co., 4th & Mateo, Los Angeles, Cal.
Upson Nut Co., Cleveland, O.

## 10207— Nuts (Ivory)

Calvet Pablo & Co., 99 Water, New York
Held A. (Imp.), 11 William, New York

## 10208— Nuts (Joint)

Bethlehem Steel Co., So. Bethlehem, Pa.
Gary Screw & Bolt Co. (Cold Punched), Gary, Ind.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Pittsburgh Screw & Bolt Co. (Cold Punched), Preble av, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O. *See Branch Offices Alphabetical Section.*
Rhode Island Tool Co., Providence, R. I.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Smith Thos. Co., Worcester, Mass.
Upson Nut Co. (Hot Forged), Cleveland, Ohio

## 10209— Nuts (Knurled)

Chicago Nut Co. (Brass), 2513 W 20th, Chicago, Ill.
Corbin Screw Corporation (Thumb), New Britain, Conn.
Curtis Screw Wks., Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Hill Geo. Q. Co., Framingham, Mass.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Pratt & Whitney Co., Hartford, Conn.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Western Automatic Mach. Screw Co., Elyria, O.

## 10210— Nuts (Large)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
**JOHNSTON & JENNINGS CO.**, Addison rd & N. Y. C. R. R., Cleveland, O. *See adv index at end of book*

NUTS (Large)—continued
**Milton Mfg. Co. (For Heavy Steam, Electrical Machinery, Bridges, etc), Milton, Pa.**
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, Ohio
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.

## 10211—Nuts (Machine Screw)

American Screw Co. (Tapped), 21 Stevens, Providence, R. I.
Atlas Bolt & Screw Co. (Brass &Iron), 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
**Berry Bros., Columbus, O.**
**Chicago Nut Co., 2513 W 20th, Chicago, Ill.**
**Clark Bros. Bolt Co., Millidale, Conn.**
*See adv index at end of book*
**Corbin Screw Corporation, New Britain, Conn.**
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Greer, Frederic, 525 W Van Buren, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, O.
Moore Franklin Co., Winsted, Conn.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Screw & Tack Co., Stanton av S E & C. & P Ry., Cleveland, O.
New England Screw Co., 44 Farnsworth, **Boston, Mass.**
**Pheoll Mfg. Co. (Brass, Copper, Iron, Steel & Zinc), 3700 W 12th, Chicago, Ill.**
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
**Reed & Prince Mfg. Co. (Iron & Brass, Square & Hexagon), Worcester, Mass.**
Rockford Bolt Co., 60 Mill, Rockford, Ill.
**Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.**
St. Louis Screw Co., Clarence & Bulwer **avs, St. Louis, Mo.**
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
**U. S. Automatic Co., Amherst, O.**
Upson Nut Co., Cleveland, O.
**Waltham Screw Co., Waltham, Mass.**
**Western Automatic Machine Screw Co., Elyria, O.**
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.
Worcester Machine Screw Co., **Standard Screw Co., Successors, Worcester, Mass.**

## 10211a— Nuts (Milled)

New Haven Screw Co., 191 Foster, New Haven, Conn.
*See adv index at end of book*

## 10212— Nuts or Collars

Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
**Curtis Screw Wks., Buffalo, N. Y.**
**Haskell Wm. H. Mfg. Co., Pawtucket, R. I.**
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
**Rhode Island Tool Co., Providence, R. I.**
**Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.**
Smith Thos. Co., Worcester, Mass.
**Western Automatic Machine Screw Co., Elyria, O.**

## 10213—Nuts (Phosphor Bronze)

**Curtis Screw Wks., Buffalo, N. Y.**
**Phosphor Bronze Smelting Co., 2200 Washington av, Phila., Pa.**

## 10214— Nuts (Pipe Sleeve)

**Bethlehem Steel Co., So. Bethlehem, Pa.**

## 10215—Nuts (Planer Head Bolt)

Detroit Screw Works, 348 Franklin, Detroit, Mich.
**Gary Screw & Bolt Co., Gary, Ind.**
National Acme Co., 7500 Satonton av, S E, Cleveland, O.
**Philadelphia Machine Screw Works, 624 Race, Phila., Pa.**
**Pittsburgh Screw & Bolt Co., Preble av,** Pittsburgh, Pa.

## 10215a— Nuts (S. A. E.)

Harper F. C. Screw Wks., 29 S Clinton, Chicago, Ill.
St. Louis Screw Co., Clarence & Buliver av, St. Louis, Mo.

## 10216—Nuts (Semi-Finished)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
**Bethlehem Steel Co., So. Bethlehem, Pa.**
**Brightman Nut & Mfg. Co., Sandusky, O.**
Chicago Nut Co. (Brass), 2613 W 20th, Chicago, Ill.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
**Clark Bros. Bolt Co., Millidale, Conn.**
*See adv index at end of book*
Corbin Screw Corporation, New Britain, **Conn.**
**Curtis Screw Wks., Buffalo, N. Y.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Garland Nut & Rivet Co., Lawrence county, West Pittsburgh, Pa.**
**Gary Screw & Bolt Co., Gary, Ind.**
**Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.**
Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
**Haskell Wm. H. Mfg. Co., Pawtucket, R. I.**
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Lake Erie Bolt & Nut Co., ft of E 63d, Cleveland, O.
**LARKIN J. K. & CO.**, 34 Reade, New York. *See adv index at end of book*
**Milton Mfg. Co., Milton, Pa.**
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
National Screw & Tack Co., Stanton av, S E & C. & P. Ry., Cleveland, O.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Niagara Screw Co., Buffalo, N. Y.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Peerless Nut Co., 4300 Perkins av, Cleveland, O.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
**Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.**
**Rhode Island Tool Co., Providence, R. I.**
**Rockford Bolt Co., 60 Mill, Rockford, Ill.**
**Russell, Burdsall & Ward Bolt & Nut Co.,** Port Chester, N. Y.
St. Louis Screw Co., Clarence & Bulwer **avs, St. Louis, Mo.**
Upson Nut Co., Cleveland, O.
**Western Automatic Mach. Screw Co., Elyria, O.**
Worcester Machine Screw Co., **Standard Screw Co., Successor, Worcester, Mass.**

## 10217— Nuts (Sleeve)

**American Bridge Co., 30 Church, New York**
Bethlehem Steel Co., So. Bethlehem, Pa.
Curtis Screw Wks., Buffalo, N. Y.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), N. Y.
*See adv index at end of book*
**Moran Bolt & Nut Mfg. Co., 1st & Florida** St. Louis, Mo.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
Rhode Island Tool Co., Providence, R. I.
Steel Car Forge Co. Frick bldg, Pittsburgh, Pa.

## 10217a—Nuts (Square & Hexagon)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.**
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## 10218—Nuts (Stove Bolt & Rod)

**American Screw Co., 21 Stevens, Providence, R. I.**
Atlas Bolt & Screw Co. (Stove Bolt), 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
**Berry Bros., Columbus, O.**
**CLARK BROS. BOLT CO., Millidale, Conn.**
*See adv index at end of book*
Corbin Screw Corporation, **New Britain,** Conn.
Falls Rivet Co., Kent, Ohio
Lamson & Sessions Co., 2188 Scranton rd, S. W.
**Moran Bolt & Nut Mfg. Co., 1st & Florida,** St. Louis, Mo.
Ohio Nut & Bolt Co., Berea, O.
**Reed & Prince Mfg. Co., Worcester, Mass.**
**Republic Iron & Steel Co., Youngstown, O.**
*See Branch Offices Alphabetical Section*
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.

## 10219— Nuts (Tapped)

American Equipment Co., Norristown, Pa.
**Ames W. & Co., Communipaw av, Jersey** City, N. J. *See adv index at end of book*
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
**Brightman Mfg. Co., Columbus, O.**
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
**Colorado Fuel & Iron Co., Denver, Colo.**
**Columbus Bolt Works Co., Columbus, O.**
Corbin Screw Corporation (Square & Hexagon), **New Britain, Conn.**
**Curtis Screw Wks., Buffalo, N. Y.**
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.**
**Harper F. C. Screw Wks, 19 E 8th, Chicago, Ill**
**Hoopes & Townsend Co., Broad & Buttonwood. Phila., Pa.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
**Lamson & Sessions, 2188 Scranton rd, S. W., Cleveland, O.**
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
**Larkin J. K. Co., 34 Reade, New York**
*See adv index at end of book*
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), N. Y.
*See adv index at end of book*
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
National Acme Co. (Machine Screw Cold Pressed), 7500 Stanton, Cleveland, O.
National Bolt & Nut Co., 6338 Butler, Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S 22nd, Pittsburgh, Pa.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., Youngstown, **Pittsburgh, Pa.**
**Republic Iron & Steel Co., Youngstown,** Ohio
*See Branch Offices Alphabetical Section*
**Rhode Island Tool Co., Providence, R. I.**
St. Louis Screw Co., Clarence & Bulwer **avs, St. Louis, Mo.**
**Smith Thos. Co., Worcester, Mass.**
**Upson Nut Co., Cleveland, O.**
Waltham Screw Co., Waltham, Mass.
Western Automatic Machine Screw Co., **Elyria, O.**

## 10220— Nuts (Telephone)

Greer, Frederic, 525 W Van Buren, Chicago, Ill.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.

## 10221—Nuts (Thumb or Wing)

**Am. Brass Products Co. (Wing), Pottstown, Pa.**
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.

Billings & Spencer Co., Hartford, Conn.
Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Corbin Screw Corporation (Brass, Bronze, Iron & Steel), New Britain, Conn.
Curtis Screw Wks., Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
**Devlin Thos. Mfg. Co., 3d & Lehigh, Phila., Pa.**
Eberhard Mfg. Co., C. & P. Ry & Tennyson rd, Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Garland Nut & Rivet Co., Lawrence county, West Pittsburgh, Pa.**
Greer, Frederic, 525 W Van Buren, Chicago, Ill.
**Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.**
**Harris Samuel & Co. ("Harris"), 114 N Clinton, Chicago, Ill.**
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill Geo. Q. Co. (Thumb), Framingham, Mass.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland O.
Malleable Iron Fittings Co. ("M. I. F. Co." Malleable), Branford, Conn.
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
Miles Franklin S., 205 Quarry, Phila., Pa.
National Screw & Tack Co., Stanton av & C. & P Ry, Cleveland, O.
Page Storms Drop Forge Co. (Thumb, Drop Forged Steel), Chicopee, Mass.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
**Petry N. A. Co., Inc. (Wing), 1309 Race, Phila., Pa.**
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
**Reed & Prince Mfg. Co. (Wing), Worcester, Mass.**
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
Rockford Bolt Co. (Brass), 60 Mill, Rockford, Ill.
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Stowell Co., The, S. Milwaukee, Wis.
Upson Nut Co., Cleveland, O.
**Welch T. F. Co. (Brass), 55 Sudbury, Boston, Mass.**
**Western Automatic Machine Screw Co.,** Elyria, O.
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.
Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
**Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.**
Wrightsville Hardware Co., Wrightsville, Pa.

## 10222— Nuts (Tire Bolt)

**American Screw Co., 21 Stevens, Providence, R. I.**
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O. *See adv index at end of book*
Berry Bros., Columbus, O.
Clark Bros., Bolt Co., Milldale, Conn.
*See adv index at end of book*
**Corbin Screw Corporation, New Britain, Conn.**
**Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.**
**Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland O.**
National Screw & Tack Co., Stanton av av & C. & P. Ry, Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Upson Nut Co., Cleveland, O.

## 10223— Nuts (Top Prop)

Brewer-Titchener Corp., The ("Pioneer"), Cortland, N. Y.
**Monarch Carriage Goods Co. ("Monarch"), Cincinnati, O.**
Neider F. A. Co., Augusta, Ky.
**Searls Mfg. Co., Cleveland, O.**

## 10224— Nuts (Weldless Eye)

**Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.**

## Nuts (Wing)

See Nuts, Thumb or Wing

## 10225—*Nuts & Buttons (Leather)

Barwood L. J. Mfg. Co. ("Barwood" for Player Pianos), Stoneham 80, Boston, Mass. *See adv index at end of book*

## 10226— Oakum

**American Mfg. Co., Noble & West, B'rklyn, N. Y.**
Baker Wm. T., 224 Suydam av, Jersey City, N. J.
**Bishop Robert Mfg. Co., 157 W Sixth, South Boston, Mass.**
Broderick & Bascom Rope Co. (Jobbers), 805 N. Main, St. Louis, Mo.
Central Rope Mfg. Co., 181 Scholes, Brooklyn, N. Y.
Chelsea Fibre Mills, 212 5th av, New York
Daniels C. R. Inc., 115 South, New York
**DAVEY W. O. & SONS,** 169 Laidlaw av, Jersey City, N. J.
*See adv index at end of book*


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Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Hooven & Allison Co., Xenia, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Marine Mfg. & Supply Co., 158 South, New York
Meagher's Jas. Sons, 1625 San Bruno, San Francisco, Cal.
**New York Cordage Co., 123 Front, New York**
**Peter & Guckenberger, 1205 Budd, Cincinnati, O.**
Robinson & Jans, Winthrop, Minn.
Stratford Geo. Oakum Co., Cornelison av, Jersey City, N. J.
**WALL ROPE WORKS, INC.,** 48 South New York
Winne F. W. & Son, 237 Market, Phila., Pa.
**Woolford N. B. Oakum Co., 601 S Luzerne av, Baltimore, Md.**

## 10227— Oars (Boat)

Allen Fred A. Sportsman's Specialty Co., (Bow Facing Oars), Monmouth, Ill.
Anchor Saw Mills Co., Memphis, Tenn.
Angley & Cole, Brewer, Me.
Bayless Mfg. Co. ("Arrow," "No. 1" Ash), Memphis, Tenn.
Brown W. F. & Sons, Denham Springs, La.
**De Grauw Aymar & Co. ("Crown," Ash & Spruce), 34 South, New York**
Detroit Boat Co. Kerchol & Connors av, Detroit, Mich.
**Estes E. B. & Sons,** 364 5th av, New York
*See adv index at end of book*
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*
Lease, G. D. & W. J., Jeffersonville, Vt.
Moorman Eli S. & Son, Plaquemine, La.
New York Boat Oar Co. ("Ezekiel Page" Brand), 69 West, New York
Rushton, S. P., Canton, N. Y.
Strand Martin A., New Richmond, Wis.
Stryker Boat-Oar & Lumber Co., Stryker, O.
Upson-Walton Co. (Ash), 1294 W 11th, Cleveland, Ohio
**Wilsey & Shaffer Mfg. Co., Vicksburg, Miss.**

## 10228— Oatmeal

See also Food Cereal, Prepared, etc.

Corno Mills Co., International Life bldg, St. Louis, Mo.
H-O Company, Buffalo, N. Y.
Hecker Cereal Co., 40 Carlear, New York
National Oats Co., Cedar Rapids, Ia.
Purity Oats Co., Keokuk, Ia.

## 10229— Oats Cleaners

Higbie Oats Cleaner Co., 2346 Clybourne av, Chicago, Ill.
**Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.**
Smith F. P. Wire & Iron Works ("Higbie"), 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Sprout, Waldron & Co., Muncy, Pa.

## 10230— Ochres

Cherokee Ochre Co., Cartersville, Ga.
Chrystal Chas. B. (Imp.), 13 Cliff, New York *See adv index at end of book*
Coulson J. W. & Co. (Imp.), (French & Golden), 80 Maiden la, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Commercial Co. Ltd. of U. S. (Imp.), 295 B'way, New York
Georgia-Peruvian Ochre Co. (Miners & Mfrs.), 165 B'way, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Katzenbach & Bullock Co., 100 William, New York
Lyons S. C. & Bros., Bennington, Vt.
Mepham Geo. S. & Co., 20th & Lynch, East St. Louis, Ill.
National Sales & Trading Co. (Yellow French), Cleveland, O.
New Riverside Ochre Co., Cartersville, Ga.
Osborn C. J. Co. (French Imported), 132 Nassau, New York
Patton Paint Co. (White, Gray, etc.), Milwaukee, Wis.
Smith J Lee & Co. (Golden & French), 19 Jacob, New York
Wilbur J. Co., Providence, R. I. Factory: E Tioga, Phila., Pa.
**WILLIAMS C. K. & CO.** ("Anchor Brand"), Easton, Pa.
*See adv index at end of book*

## 10231— Oculometroscopes

Meriden Optical & Jewelry Co., Meriden, Conn.
Spencer Optical Co., 5 Maiden la., New York

## Odometers

See Meters, Distance Recording

## 10232-3-4—Oesphagoscopes

Electro Surgical Instrument Co., Rochester, N. Y.

## Office Building Directories (Changeable)

See Building Directories, Changeable

## 10235— Ohmeters

Biddle James G. ("Megger" Direct Reading, Imported), 1211 Arch, Phila, Pa.
Du Vivier Ernest H. (Imp.), 30 Church, New York
Leeds & Northup Co., 4901 Stenton av, Phila., Pa.
Roller-Smith Co. ("Roller-Smith"), 233 B'way, New York
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

## 10236— *Oil Airoilene

**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th, New York
*See adv index at end of book*

## 10236a—Oil Burning Systems

Burnett-Larsh Mfg. Co., Dayton, Ohio
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 10237— Oil Cloth Mfrs.

See also Linoleum Manufacturers

Bailey's C. M. Sons & Co. (Floor), Winthrop, Me.
Blabon Geo. W. Co. (Floor), Nicetown, Phila., Pa.
Chandler Oil Cloth & Buckram Co. (Carriage Enameled), Taunton Mass.
Columbus Oil Cloth Co. (Table & Enameled), 1280 N Grant av, Columbus, O.
Dunn J. C. & Co. (Floor), Camden, N. J.
Farr & Bailey Mfg. Co. (Floor Oil) Cloth & Rugs), Camden, N. J.

OIL CLOTH MFRS.—continued

Goodlatte & Sons (Table, Shelf, Stair & Enameled), Delawanna, N. J.
Landers Bros. Co., Toledo, O.
Monarch Rubber & Oil Cloth Co. (Carriage), Drexel bldg, Philadelphia, Pa.
Nairn Linoleum Co. (Floor), Kearny, N. J.
O'Bannon Corp., 200 Fifth, New York
Potter Thos. Sons Co. (Inc.), (Floor, Table & Rugs), No. 2d & Erie av, Phila, Pa.
Sampson, Alden & Sons (Floor), 320 B'way, New York
Standard Oil Cloth Co. ("Meritas" Table, also Shelf, Stair, Carriages, etc), 320 B'way, New York
Taunton Oil Cloth Co., Taunton, Mass.
Wadsworth & Woodman Co., Winthrop, Me.

## 10238—Oil Colors (Artists')

Devoe & Raynolds Co., Inc. (In Collapsible Tubes), 101 Fulton, New York
*See adv index at end of book*
Ruxton Philip, Inc., 220 W 42nd, New York
Sartorius A. & Co. ("Oleo"), 57 Murray, New York
Weber F. & Co., 1220 Buttonwood, Phila., Pa.

## 10238a— *Oil Coolers

See also Coolers, (Oil)

Nugent, Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*

## 10238b—*Oil Country Tubular Goods (Genuine Wrought Iron)

**BYERS A. M. CO.** (Line Pipe, Oil Well Casing, California X L Casing, Inserted Joint Casing, Oil Well Tubing, Standard Drill Pipe, Special Rotary Drill Pipe, Standard Drive Pipe, California Drive Pipe), 235 Water, Pittsburgh, Pa.
*See adv index at end of book*
Peerless Iron Pipe Exchange, Inc. (Second Hand), 302 B'way, New York
*See adv index at end of book*

## Oil Cups

See Lubricators, Oil & Greese Cup

## 10238c—*Oil Cups, Glass, Sight Feed, Signal Stop

**LUKENHEIMER CO.** ("Cardinal," "Sentinel," "Acorn," "Hawk" & "Reserve"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Nugent, Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*

## Oil Duck

See Duck (Oiled)

## 10239— *Oil Filters

Burt Mfg. Co., 40 Main, Akron, O.
*See adv index at end of book*

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

## 10240—Oil Hole Covers & Cups

**Bay State Stamping Co. ("Bennett Handy" Self-Closing), 380 Chandler, Worcester, Mass.**
**BOSSERT CORP., THE** (Hand), cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Bowen Corp. ("Winkley"), Detroit, Mich.

**BOWEN PRODUCTS CORP.** Divs. Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn. & Windsor, Ont. Auburn, N. Y.
*See adv index at end of book*
**GITS BROS. MFG. & SPECIALTY CO.,** ("Gits"), 1901 S Kilbourne, Chicago, Ill.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Osgood J. L. Tool Co., Buffalo, N. Y.
Tucker W. B. & C. E. ("Tucker two-piece), 516 Asylum, Hartford, Conn.

## 10240a— *Oil (Hydraulic)

Aldrich Pump Co., Allentown, Pa.
Elmes, Chas. Engineering Wks., Inc., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## Oil of Vitriol

See Acid-Sulphuric

## 10240b— Oil Pumps

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.** ("Alpha," "Imperial," "Invincible," "Marvel" & "Universal"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

## 10241—Oil Reclaiming Systems

**Bowser S. F. & Co., Ft. Wayne, Ind.**

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

## 10242—*Oil Refineries Complete (Constructors of)

Graver Corp., East Chicago, Ind.
*See adv index at end of book*

## 10243— Oil-Soluble Colors

Behlen H. & Bro. (For Coloring Illuminating Oils & Greases, etc), 371 Pearl, New York

## 10244—Oil Spreader & Hot Roller

Hvass Chas. & Co. (for Oiling Roads), 511 E 18th, New York

## Oil Stains

See Wood Stains

## Oil Stones

See Stones, Oil & Water

## 10245—*Oil Storage Tanks

See also Tanks, Oil Storage

Nugent, Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*

## 10245a— Oil Well Explosives

**ATLAS POWDER CO.,** 140 N Broad, Phila., Pa. *See adv index at end of book*
**GIANT POWDER CO., CONS.,** San Francisco, Cal. *See adv index at end of book*

## 10246—Oil & Gas Well Supplies

American Forge Works (Oil Well Tools), Denver, Colo.
Am. Iron & Supply Co., Marietta, Ohio
American Well & Prospecting Co., Carsicana, Tex.
Anniston Steel Co., Anniston, Ala.
Armstrong Mfg. Co., Waterloo, Ia.
Associated Supply Co., Sharon bldg, San Francisco, Cal.
Atlas Supply Co., Muskogee, Okla.
Barse C. V. B. Co., Olean, N. Y.
Beeler & Campbell Sup Co., Independence, Kans.
Bovaird Supply Co., Independence, Kans.
Bovaird & Co., Bradford, Pa.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bradford Motor Works, Bradford, Pa.
Bradford Supply Co., Bradford, Pa.
Burson H. W. Inc., 123 Water, Pittsburgh, Pa.
Busch A. H. Co., 150 N Los Angeles, Los Angeles, Cal.
Cal. National Supply Co., 147 N Los Angeles, Los Angeles, Cal.
Campbell J. G. & W., Butler, Pa.
Childs Jno. Sr., Smiths Ferry, Pa.
Clark Supply House, Noblesville, Ind.
Clark & Norton Mfg. Co., Wellsville, N. Y.
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
**Columbus Sucker Rod Co., Columbus, O.**
**Corlett W. W., Knox, Pa.**
Continental Supply Co., The, 1139 Olive, St. Louis, Mo.
Cornell-Searl Co., Lincoln, Neb.
Crane Co. (Est. 1855), 836 S Michigan, Chicago, Ill.
*For branch offices see Alphabetical Section*
D. & B. Pump & Supply Co., Los Angeles, Cal.
Dresser S. R. Mfg. Co. (Specialties), Bradford, Pa.
Dunham, Carrigan & Hayden Co., Kansas & Division, San Francisco, Cal.
Emery L. Jr., Bradford, Pa.
Evans Mfg. Co. (Ltd.), Butler, Pa.
Frick-Reid Supply Co., Sandusky & Robinson, Pittsburgh, Pa.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Greenspon's Jos. Sons Iron & Steel Co., 67 Branch, St. Louis, Mo.
Harper & Reynolds Co., 152 N Main, Los Angeles, Cal.
Hays E. F. & Sons, Chicora, Pa.
Heller, Aller & Co., Napoleon, O.
Herron R. H. Co. (Mfrs. & Jobbers), Los Angeles, Cal.
Hoch Bros., Chicora, Pa.
Hough Chas. N. Mfg. Co., Franklin, Pa.
Hughes Tool Co. (Rotary Drill Bits), Houston, Tex.
Illinois National Supply Co., Casey, Ill.
Jones S. M. Co., Toledo, O.
Kane Supply Co., Kane, Pa.
Keiser Geo. & Co., Munice, Ind.
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
Kesselman & Co., Butler, Pa.
Keystone Iron Works, 37th & Santa Fe av, Los Angeles, Cal.
**Larkin & Co., Butler, Pa.**
Leidecker Tool Co., Marietta, O.
Leschen A. & Sons Rope Co., St. Louis, Mo.
Link-Belt Co. (Chains & Wheels for Operating Drills), 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**LUCEY MANUFACTURING CORP.,** 233 B'way, New York
*For branch offices see Alphabetical Section*
Lucey Mfg. Corp. of Texas, Houston, Tex.
**LUNKENHEIMER CO.** Executive offices and factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**McDONALD A. Y. MFG. CO.,** Dubuque, Ia.
McDowell W. I., Knox, Pa.
McElwaine Mfg. & Auto Co., Bradford, Pa.
McEvoy J. H. & Co., Houston, Texas
McEwen Bros., Wellsville, N. Y.
McFie W. T. Supply Co. (Oil Well), Los Angeles, Cal.
Macksburg Tool Co., Macksburg, O.
Magee Jno A. Co., Clarion, Pa.
Marion Machine, Foundry & Supply Co., Marion, Ind.
Masseth Packer & Machine Co., Butler, Pa
Mills Iron Works (Oil & Water Well), 927 N Main, Los Angeles, Cal.
Mills Machine Co., Vanburen, Ind.
Milton S. G. & Son ("Milton" Pulling Machine for Pulling Rods or Tubing from Wells & Replacing same Ready for Pumping), Franklin, Pa.
Mitchell H. B. & Co., Emlenton, Pa.
Moorhouse G. W., Kinzua, Pa.
National Supply Co., Toledo, O.
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Norris W. C., Tulsa, Okla.
Novis Bros., Robinson, Ill.
Ohio Pipe Co., Findlay, O.
Oil Well Improvements Co. (Roller Oil Savers, Sand Line Caps & Solid Bit-Underreamer), Tulsa, Okla.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Page, A. C. (Oil Well), Wichita Falls, Tex.
Parkersburg Machine Co., Parkersburg, W Va.

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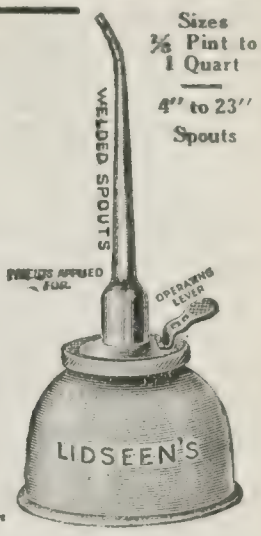



Pattin Bros. Co., Marietta, O.
Peerless Iron Pipe Exchange, Inc., 302 B'way, New York
*See adv index at end of book*
Pickett Hardware Co., Warren, Pa.
Picking R. O. Phelan bldg, San Francisco, Cal.
Pittsburgh Supply Co., Pittsburgh, Pa.
Prichard Supply Co., Mannington, W. Va.
Producers Supply Co., Franklin, Pa.
Reid Jos. Gas Engine Co., Oil City, Pa.
Rosco Moss, 959 E 4th, Los Angeles, Cal.
Rouseville Supply Co., Rouseville, Pa.
Shenck Mfg. & Supply Co., Parkers Landing, Pa.
Spang & Co., Butler, Pa.
Stacy Eugene C. (Load Binders), Tiffin, O. *See adv index at end of book*
Stancliff Well Screen & Mfg. Co., Houston, Tex.
Standard Supply Co., Scio, O.
Stitt Robt. G., Toledo, O.
Tay Geo. H. Co., 599 Mission, San Francisco, Cal.
Tay-Pike Co., Coalinga, Cal.
Texas Mfg. Co., Fort Worth, Texas
Thompson & Co., Mt. Jewett, Pa.
Tuna Iron & Steel Works, Bradford, Pa.
Union Tool Co. (Complete Equipment), Touance, Cal.
United Iron Work Inc., Kansas City, Mo.
Warren Tool & Forge Co. (& Oil Well Sucker Rod Elevators), Warren, O.
*See adv index at end of book*
Wilbert John Petroleum Center, Pa.
Wyssbrod E. V. & Co., Findlay, O.
Yeager S. Petrolia, Pa.
Zahniser Bros. & Sten, Washington, Pa.

## 10247—Oil & Grease Guns & Syringes

Ayner Raymond C. Co., Burlington, Wis.
American Skate & Mfg. Co. ("Rollfast"), Reading, Pa.
Am. Steel Tube Co., Toledo, Ohio
Bridgeport Brass Co., Bridgeport, Conn.
Delta Mfg. Co., 9 Delancy, Newark, N. J.
Edelmann, E. & Co., ("Jumbo"), 341 E Ohio, Chicago, Ill.
Fowler Lamp & Mfg. Co. ("Fowler Yankee," Grease & Oil Guns), 59 E 24th Chicago, Ill.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Hall Mfg. Co., Harrison, N. J.
Hancock Mfg. Co., Charlotte, Mich.
Haney J. H. & Sons, Omaha, Neb.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Knapp Mfg. & Supply Co. (Brass), 241 Water, New York
Middle States Oil Co., B of L E bldg, Cleveland, O.
Monarch Mfg. Co. ("Monarch" Lubricating), Council Bluffs, Ia.
N. Y. & N. J. Lubricant Co. ("N. F. O." Lubricating Oil Gun), 165 B'way, New York
Noera Mfg. Co., Waterbury, Conn.
Rose J. A. Mfg. Co., Hastings, Neb.
Royersford Foundry & Machine Co. ("Sells"), 52 N 5th, Philadelphia, Pa.
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.
Townsend S. P. & Co. ("Townsend"), Orange, N. J.

## 10248— Oiled Silk

Chicago Mica Co. (Cambrie Cloth, Oiled Canvas, Oiled Silk), Valparaiso, Ind.
*See adv index at end of book*
Irvington Varnish & Insulator Co. ("Irvington" for Insulating Purposes), Irvington, N. J.

## Oilers (Axle)

See Oilers, Engine and Machine

## 10249—Oilers (Car Journal Box)

Armstrong Oiler Co. (Automatic), Commonwealth bldg., Phila., Pa.
Fleming J. R. & Son Co., Scranton, Pa.
**GEM MFG. CO.** ("Gem," Heavy Brazed Steel), Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 10250— Oilers (Car Pit)

**GEM MFG. CO.** ("Gem," Heavy Brazed Steel), Goebel, nr Fulton, M S, Pittsburgh, Pa. *See adv index at end of book*
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.
Wall P. Mfg. Supply Co. (Brazed), 705 Preble av, N S, Pittsburgh, Pa.
Walters Mfg. Co., Fulton bldg., Pittsburgh, Pa.

## 10251— Oilers (Crank Pin)

Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*
**LUNKENHEIMER CO.** Executive offices & factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Nugent Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*

## 10252—Oilers (Cross Head Pin)

**LUNKENHEIMER CO.** ("H.-W."), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Nathan Mfg. Co., 416 E 106th, New York
Nugent, Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*
Powell Wm, Co., 53 Oliver, Cincinnati, O.
*See adv index at end of book*
Richardson-Phenix Co., 331 2nd, Milwaukee, Wis.
Star Brass Mfg. Co. ("Star"), 108 E. Dedham, Boston, Mass.

## 10253—*Oilers (Eccentric)

**LUNKENHEIMER CO.** Executive offices & factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Nugent, Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*

## 10254—Oilers (Engine & Machine)

See also Cans, Oil, etc

Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*
American Stamping & Mfg. Co., Park bldg., Pittsburgh, Pa.
Ansonia Novelty Co. ("Richard" Solderless Bottom), Ansonia, Conn.
Beereis & Bassick Co., Div. of The Bassick Co., Bridgeport, Conn.
Bloomer R. E. ("Cannon"), Keithsburg, Ill.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Boggs Auto Supply Co. ("Kup-Kan"), Fort Dodge, Ia.
Bowen Products Corp., Divs., Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn. & Windsor, Ont., Can. Auburn, N. Y.
*See adv index at end of book*
Cannon Oiler Co. (successors to R. E. Bloomer), Keithsburg, Ill.
Commonwealth Brass Works, Detroit, Mich.
Detroit Ship Building Co. (Brass Department), ft. Orleans, Detroit, Mich.
Deverall Perfection Mfg. Co. ("Deverell"), Caton av, Brooklyn, N. Y.
Dover Stamping & Mfg. Co. (Tin & Brass), Cambridge, Mass.
Eagle Mfg. Co. (Railroad, etc), Wellsburg, W. Va.
Essex G. B. Brass Co., 680 Franklin, Detroit, Mich.
**GEM MFG. CO.** ("Gem" & "Pyramid" Polished Brass & Steel, Bright Finish), Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*

Geuder, Paeschke & Frey Co. (Pierced Tin & Galvanized Iron, Bent & Straight Spout, also Spring Bottom Oilers), 1314-1700 St. Paul av, Milwaukee, Wis.
Hammer & Co. (Malleable Iron), Branford, Conn.
Hero Mfg. Co. ("Hero," "Chace's" "Paragon"), Westmoreland av & Stokley, Phila., Pa.
Huebel Mfg. Co. (Malleable Iron), 103 Monroe, Newark, N. J.
Ironsides Co. ("Tormay" for Mine Cars), Columbus, O.
Jackson J. W. ("Jackson" Tin Self Closing Engine Oiler), Sharpsville, Pa.
Johnson Mfg. Co., Urbana, O.
Knapp Mfg. & Supply Co. (Engineers' Brass Sets), 241 Water, New York
**LIDSEEN GUSTAV** ("Lidseen" Positive Force Feed), 832-840 S Central av, Chicago, Ill. *See adv index at end of book*
Lonergan J. E. Co., 211 Race, Phila., Pa.
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co.") (Malleable Iron), Branford, Conn.
Manhattan Brass Co. (Brass & Zinc), 332 E 28th, New York
Manzel Charles W. Mfg. Co., 89-93 Main, Buffalo, N. Y.
Matthews & Willard Mfg. Co., Waterbury, Conn.
Mine & Smelter Supply Co. ("McVicar"), 42 B'way, New York

OILERS (ENGINE & MACHINE)—cont.

**National Enameling & Stamping Co., 411 5th av, New York**
**Noera Mfg. Co. ("Noera," "Thompson," "Puritan" Brass & Steel, of All Kinds), Waterbury, Conn.**
Nugent, Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*
**Pedersen Lubricator Co., 636 1st av, New York**
**Penberthy Injector Co., 346 Holden av, Detroit, Mich.**
**Penn Oiler Co. ("Penn." Spun Zinc & Brass), 250 Fulton, New York**
**Powell Wm. Co. (Glass, Plain & Sight Feed), Cincinnati, O.**
*See adv index at end of book*
**Rich Mfg. Co. (Eccentric), 370 Atlantic av, Boston, Mass.**
Richardson-Phoenix Co. (Crank Pin & Telescopic), 131 2nd, Milwaukee, Wis.
**Sands Steel Specialties Co. ("Sands" Steel Brazed), 6947 Susquehanna, Pittsburgh, Pa.**
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.
Threthaway Bros. (Tin & Galvanized Iron), Parsons, Pa.
**Vogel Wm. & Bros. ("Acme"), 37 S 9th Brooklyn, N. Y.**
**Wall P. Mfg. Supply Co. ("Wall's" Vent Pyramid, Steel & Spring Bottom), 705 Preble av, N S, Pittsburgh, Pa.**
**Walters Mfg. Co. ("M. & I." Sheet Steel), Fulton bldg., Pittsburgh, Pa.**

## 10255— Oilers (Felloe)

American Scale Co., Kansas City, Mo.
Foote J. B. Foundry Co., Fredericktown, Ohio
**Gowanda Agricultural Works, Gowanda, N. Y.**
Indiana Foundry Co., Indiana, Pa.
**Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.**
**Southern Skein & Fdry. Co., Chattanooga, Tenn.**
**Wagner Mfg. Co., Sidney, O.**

## 10256— Oilers (Felt)

**BRAWLEY, T. R.,** 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 10257— Oilers (Floor)

**Garnet Geo. H. Co. ("Universal"), Allentown, Pa.**

## 10258— Oilers (Hog)

American Hog Post Co., Peoria, Ill.
Health Hog Oiler Co., Kenton, Ohio
Hog-Joy System, Springfield, Ill.
Meyer Corporation, Morton, Ill.
O. H. C. Mfg. Co., Peoria, Ill.
Rowe Mfg. Co., Galesburg, Ill.
Shaw, Welsh & Co., Galesburg, Ill.
Sherman Hog Greaser Co., Peoria, Ill.
Starbuck Mfg. Co., Peoria, Ill.
Weldex Mfg. Co., Richmond, Ind.

## 10258a—Oilers (Knuckle Joint)

Nugent, Wm. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*

## 10259-60—Oilers (Lawn Mower)

**Bridgeport Brass Co. ("Handy"), Bridgeport, Conn.**
Eureka Mfg. Co., Council Bluffs, Iowa
Galesburg Specialty Works, Galesburg, Ill.

## 10261—Oilers (Locomotive)

**Boesch Lamp Co., 962 Mission, San Francisco, Cal.**
**Dressel Railway Lamp Works, 3860 Park av, New York**
Eagle Mfg. Co., Wellsburg, W. Va.
**GEM MFG. CO.** ("Gem" Steel), Goebel, nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*
**Gray Peter & Sons, Inc. (Engineers' Heavy), 286 3rd, East Cambridge, Mass.**
**Handian-Buck Mfg. Co. ("Perfection" Valve), 210 14 N 3rd, St. Louis, Mo.**
Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.
**Jackson J. W. ("Jackson" Oil Can), Sharpsville, Pa.**
**Johnson Mfg. Co. ("The J," Long Spout), Urbana, O.**

**Knapp Mfg. & Supply Co., 241 Water, New York**
**LIDSEEN GUSTAVE** (Welded Spouts & Handles), 832-840 S Central av, Chicago, Ill. *See adv index at end of book*
**Lonergan J. E. Co. (Piston Rod, Guide Valve, Steam Oilers, etc), 211 Race, Phila., Pa.**
**LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.** *See adv index at end of book*
**Penberthy Injector Co., 346 Holden av, Detroit, Mich.**
**Noera Mfg. Co. ("Noera" Brass & Steel of All Kinds). Waterbury, Conn.**
**Smith of N. Y. Co., 1 Franklin sq, New York**
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.
**Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.**

## 10262—Oilers (Locomotive Flange)

**Ohio Injector Co., Wadsworth, O.**

## 10263—Oilers (Loose Pulley)

**See also Lubricators**

American Lubricator Co., ("American"), Summit & Wabash Ry., Detroit, Mich.
Biggar Brothers, Oneida, N. Y.
Brown Engng. Co., ("Brown"), 110 N 3rd, Reading, Pa.
*See adv index at end of book*
**Lonergan J. E. Co., 211 Race, Phila., Pa.**
**LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.** *See adv index at end of book*
**McNab & Harlin Mfg. Co. ("Hodges"), 55 John, New York**
**Powell Wm. Co., Cincinnati, O.**
*See adv index at end of book*
**Swain Lubricator Co. ("Swain"), 443 W 37th, Chicago, Ill.**
**Van Duzen E. W. Co., 428 E 2d, Cincinnati, O.**

## 10264—Oilers (Malleable Iron)

**Hammer & Co., Branford, Conn.**

## 10265—Oilers (Mowing Machine)

**AMERICAN CAN CO.,** 120 Broadway, New York *See adv index at end of book*
**Dover Stamping & Mfg. Co., Cambridge, Mass.**
Eagle Mfg. Co., Wellsburg, W. Va.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Hero Mfg. Co. (Steel), Westmoreland av & Stokley, Phila., Pa.
**National Enameling & Stamping Co., 411 5th av, New York**
**Noera Mfg. Co. ("Noera"), Waterbury, Conn.**
**Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.**
**Wall P. Mfg. Supply Co., 705 Preble av, N S, Pittsburgh, Pa.**

## Oilers (Multiple)

**See Lubricators, Multiple Oiling**

## 10265a— Oilers (Pump)

Cannon Oiler Co. (successors to R. E. Bloomer), ("Cannon"), Keithsburg, Ill.
Chapin R. E. Mfg. Wks., Batavia, N. Y.
Cincinnati Can Co., 426 Culvert, Cincinnati, O.
Delphos Mfg. Co., First & Pierce, Delphos, O.
**LIDSEEN GUSTAVE,** 832-840 S Central av, Chicago, Ill.
*See adv index at end of book*
Lisk Mfg. Co., Canandaigua, N. Y.
Maple City Mfg. Co. ("Howland"), Monmouth, Ill.
Nat'l Enameling & Stamping Co., 411 Fifth ave, New York
Noerva Mfg. Co., Waterbury, Conn.

## 10266— Oilers (Ring)

Brown Engineering Co. ("Brown," For Loose Pulleys, etc), 110 N 3rd, Reading, Pa. *See adv index at end of book*
Pittsburgh Iron & Steel Foundries Co. ("Midland" for Mine Cars), Midland, Pa.

## 10267—Oilers (Self-Closing, Dust-proof)

Bowen Products Corp., Divs., Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn. & Windsor, Ont., Can. Auburn, N. Y.
*See adv index at end of book*
Brown Spring Oiler Co. ("Vizor"), 6911 Carnegie av S E. Cleveland, O.
**LUNKENHEIMER CO.** Executive offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 10268—Oilers (Sewing Machines)

**Boesch Lamp Co., 962 Mission, San Francisco, Cal.**
**Bridgeport Brass Co. ("Handy"), Bridgeport, Conn.**
Consolidated Fruit Jar Co., New Brunswick, N. J.
Hero Mfg. Co. ("Wilmot," "Star"),, Westmoreland av. & Stokley, Phila., Pa.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.

## 10269—Oilers (Shaft, Safety)

Hall Mfg. Co., Harrison, N. J.
**LUNKENHEIMER CO.** Executive offices & factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*


Ricker Mfg. Co. ("Rochester," Ashton Patent), Rochester, N. Y.
Strong, Carlisle & Hammond Co. ("Nugent"), 346 Frankfort av N W, Cleveland, O.

## 10270—Oilers (Spring Bottom)

Eagle Mfg. Co., Wellsburg, W. Va.
**GEM MFG. CO.** (Brazed Steel & Brass), Goebel, nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*

Hammer & Co. (Malleable Iron), Branford, Conn.
Hero Mfg. Co., Westmoreland av, Phila., Pa.
Wall P. Mfg. Supply Co., 705 Preble av, N S, Pittsburgh, Pa.

## 10270a Oilers (Spring Leaf)

Brown Spring Oiler Co. ("Brown" & "Relio"), 6911 Carnegie av, S E, Cleveland, O.

## 10271—*Oilers (Telescopic)

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

## Oilers (Typewriter)

See Oilers, Sewing Machine

## 10272— Oilers (Windmill)

Red Cross Mfg. Co. (Automatic), Bluffton, Ind.

## 10273— Oilers (Zinc, Etc.)

**AMERICAN CAN CO., 120 Broadway, New York** *See adv index at end of book*
Eagle Mfg. Co., Wellsburg, W. Va.
Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.
Vogel Wm. & Bros., 27 9th, Brooklyn, N. Y.

## 10274— Oiling Devices

**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
**LUNKENHEIMER CO.** Executive offices & factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

## 10275—Oiling Sets (Engineers')

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
**Deverall Perfection Mfg. Co. ("Perfection"), Caton av, Brooklyn, N. Y.**
Dressel Railway Lamp Works, 3860 Park av, New York
**Eagle Mfg. Co., Wellsburg, W. Va.**
**GEM MFG. CO.** ("Gem" Steel), Goebel nr Fulton N S, Pittsburgh, Pa.
*See adv index at end of book*
Hall Mfg. Co., Harrison, N. J.
**Hero Mfg. Co. ("Paragon"), Westmoreland av & Stokley, Phila., Pa.**
Knapp Mfg. & Supply Co., 241 Water, New York
Noera Mfg. Co., Waterbury, Conn.
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
Wall P. Mfg. Supply Co. ("Walls"), 705 Preble av, N S, Pittsburgh, Pa.

## 10276— Oiling System (Continuous)

**BURT MANUFACTURING CO. (THE)**, 60 Main, Akron, O.
*See adv index at end of book*
Commonwealth Brass Works, Detroit, Mich.
**LUNKENHEIMER CO. Executive Offices** & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

Richardson-Phoenix Co. ("R. P." Oiling & Filtering Systems, Individual & Central), 122 Reservoir av, Milwaukee, Wis.

## 10277—Oils Acetone (Ketone)

Alcohol Products Co., Blanchard, Newark, N. J.
Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Industrial Chem. Co., 200 5th av, New York.

## 10277a— Oils (Alizarine)

Katzenbach & Bullock Co., 110 William, New York.
National Oil Products Co., Harrison, N. J.
Protexol Corp., 41 Barclay, New York
Western Paper Makers Chemical Co., Kalamazoo, Mich.
Wolf, Jacques & Co., 309 Harrison, Passaic, N. J.

## 10278— Oils (Aniline)

Aniline Dyes & Chemicals, Inc., (Imp.), 134 Cedar, New York.
Calco Chemical Co., Bound Brook, N. J.
Chemical Co. of America, 28 Platt, New York
Fulper Edw. B., Trenton, N. J.
Farbwerke-Hoechst Co., 122 Hudson, New York
**Klipstein A. & Co. (Imp.), 644 Greenwich, New York**
**Marden, Orth & Hastings Co., 136 Liberty, New York.**
Midvale Chemical Works, 610 Locust, St. Louis, Mo.
Montcalm Chemical Wks., 220 N Illinois, Indianapolis, Ind.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
National Sales & Trading Co., Cleveland, Ohio
Naugatuck Chemical Co., Naugatuck, Conn.
Petroleum Products Co., 3917 Neville, **Pittsburgh, Pa.**
Sparks John C., 42 Warren, New York
**Suter Eugene & Co., 120 B'way, New York**
Western Aniline Products Co. (Also Para-**Toluidine**, Ortho-Toluidine), Hammond, Ind.

## 10279— Oils (Animal)

Adelano Co., 135 Front, New York
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Dold Jacob Packing Co., Buffalo, N. Y.
**Dunn J. T. Co., Inc. (Imp.), 216 Pine, San Francisco, Cal.**
*See adv index at end of book*
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Hartmann Pacific Co. Inc. (Imp.), 80 Wall, New York
Morris & Co., Union Stock Yards, Chicago, Ill.

## 10280— Oils (Anti-Froth)

Paper Makers Chemical Co., Easton, Pa.
Providence Drysalters Co., East Greenwich, R. I.

## 10280a— Oils (Automobile)

See also Lubricating Oils & Greases

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Advance Oil Co. ("Velvet"), Oil City, Pa.
Auto Oil Co., Jackson, Mich.
Empire Oil Works ("Empire"), Oil City, Pa.
Franklin Oil Wks., Franklin, Pa.
Schilling, Frederick ("Paramount"), 617 Greenwich, New York
*See adv index at end of book*
Sinclair Refining Co., Conway bldg., Chicago, Ill.
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## Oils (Automobile & Motorcycle)

See Lubricants, Automobile

## Oils (Axle)

See Greases & Oils, Axle

## 10280b— Oils (Banana)

Kalbfleisch Corp. (Liquid), 31 Union sq, New York
Van Schaack Bros. Chemical Wks., 3358 Avondale, Chicago, Ill.

## 10281—Oils (Bicycle & Sewing Machine)

Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
**Baird Bros. & So., 1435 W 10th, Cleveland, O.**
Borne-Scrymser Co., 80 South, New York
Cortland Specialty Co., Cortland, N. Y.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Franklin Oil Wks., Franklin, Pa.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Indian Refining Co., 244 Madison av, New York
National Rubber & Specialties Co., Winton pl, Cincinnati, O.
National Refining Co., Rose bldg, Cleveland, O.
Nye Wm. F., New Bedford, Mass.
Penn American Refining Co., Oil City, Pa.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Swan & Finch ("Bayway," "Excelsior," "Eagle"), 165 B'way, New York
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Union Petroleum Co. (In Bulk & Bottles), Widener bldg, Philadelphia, Pa.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10281a— Oils (Black)

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Dick David Co., Varick & N Moore, New York
Musher & Co., 140 Liberty, New York
**National Gum & Mica Co., 59th & 11th av, New York**

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**OILS**

OILS (BLACK)—continued

Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Stuber Chemical Wks., Inc., Elizabeth, N. J.

## 10281b— Oils (Bleaching)

Bosson & Lane, Atlantic, Boston, Mass.
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

## 10282— Oils (Boiler)

Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Talmage Mfg. Co. ("Rubra," for Locomotives, etc), 1279 W 3rd, Cleveland, O.
Warren Refining Co., Warren, Pa.

## 10283— Oils (Butter)

Proctor & Gamble Co., Gwynne bldg., Cincinnati, O.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York

## 10284— Oils (Car Cleaning)

Columbia Refining Co. ("Columbia" Varnish Cleaner & Preserver), 90 West, New York
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.

## 10285— Oils (Castor)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Baker Castor Oil Co., 120 B'way, New York
Bosson & Lane, Atlantic, Mass.
Boyer Oil Company, Inc., 25 W Broadway, New York
Canfield Oil Co. (Vegetable Lubricating), 3210 E 55th, Cleveland, O.
**COOK & SWAN CO., INC.** (Imported & Domestic grades), 148 Front, New York *See adv index at end of book*
Fergusson Bros., 109 Chestnut, Phila., Pa.
Fiebing Chemical Co. (Axle), 240 Reed, Milwaukee, Wis.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
**HAMILTON CO.** (Importers), Church & Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hartman Bros., Inc. (Imp.), 641 Atlantic av, Boston, Mass.
Sinclair Refining Co. ("Four Bros"), Albany, N. Y.
Houghton E. F. & Co. ("Sulfol"), 240 W Somerset, Phila., Pa.
Kellogg Spencer & Sons, Buffalo, N. Y.
Magnus, Mabee & Reynard, 257 Pearl, New York
Oil Seeds Co., 35 S William, New York
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Webb A. L. & Sons, Maryland Trust bldg, Baltimore, Md.
Wolf Jacques & Co. (Selling Agents), Passaic, N. J.

## 10286—Oils (Castor Machine)

Canfield Oil Co., 3210 E 55th, Cleveland, O.
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Indian Refining Co., 244 Madison av, New York
National Refining Co., Rose bldg, Cleveland, O.
Nye Wm. F. New Bedford, Mass.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo
Sinclair Refining Co., Conway bldg., Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Sullivan Oil Co. ("Sullivan's" Gumless), 413 N. Wells, Chicago, Ill.
Texas Company, 17 Battery pl. New York
*See adv index at end of book*

## 10287—Oils (Cement Floor)

National Refining Co., Rose bldg, Cleveland, O.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York

## 10288—Oils (China Wood, Importers)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
American Trading Co., 25 Broad, New York
Ayres, Bridges & Co., 200 Summer, Boston, Mass.
Carleton & Moffat, 80 Maiden la, New York
Clark Fred G. Co., 1081 W 11th, Cleveland, O.
Dunn J. T. Co., Inc. (Imp.), 216 Pine, San Francisco, Cal.
*See adv index at end of book*
Elbert & Company, 71 Wall, New York
Fearon, Brown Co., 96 Wall, New York
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Gillespie L. C. & Sons, 8 Fletcher, New York
Gough Richard & Co., 69 Wall, New York
Gross Otto, 66 Beaver, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hill's Edw. Sons & Co., 64 Wall, New York
Jardine, Matheson & Co., 25 Madison av, New York
Klipstein A. & Co., 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Mitsui & Co., 65 B'way, New York
Oil Seeds Co., 35 S William, New York
Paterson, Boardman & Knapp, 10 Bridge, New York
Patterson G. W. S. & Co., 135 Front, New York
Peabody H. W. & Co., 17 State, New York
Scheel Wm. H., 159 Maiden la, New York
*See adv index at end of book*
Simmons Thos. W. & Co., 240 California, San Francisco, Cal.
Swan & Finch Co., 165 B'way, New York
Tappenbeck Wm., 106 Wall, New York
Winterbourne S. & Co., 94 Pine, New York

## 10289— Oils (Cochin)

Francesconi J. C. & Co. (Imp), 23 Beaver, New York
Fuerst Bros. & Co. (Importer), 2 Stone, New York
Welch, Holme & Clark Co. ("East India"), 383 West, New York

## 10290— Oils (Cocoa)

American Trading Co. (Imp), 25 Broad, New York

## 10291— Oils (Cocoanut)

Adams Fred C. Co. (Ceylon & Cochin Oil), 118 N La Salle, Chicago, Ill.
Ayres, Bridges & Co. (Imp.), 200 Summer, Boston, Mass.
**COOK & SWAN CO., INC.** (Imp., Ceylon, Cochin, Philippine Islands, & Japan grades), 148 Front, New York
*See adv index at end of book*
Darragh Small & Co., Ltd. (Imported), 177 Water, New York
Drew E. F. & Co. (Imp), 120 Milk, Boston, Mass.
Dunn J. T. Co. (Imp.), San Francisco, Cal.
*See adv index at end of book*
Eberhart J. P. & Co., 15 William, New York
Edible Products Co., 120 B'way, New York
Elbert & Company (Imp.), 71 Wall, New York
Fearon, Brown Co. (Imp), 96 Wall, New York
Francesconi J. C. & Co. (Imp.), 23 Beaver, New York
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hartman Bros. Inc. (Imp), 641 Atlantic, Boston, Mass.
Hollingsworth & Peterson, Lafayette bldg, Phila., Pa.
Link David C. & Co. (Imp), Produce Exchange, New York
McKesson & Robbins (Imp), 91 Fulton, New York
Magnus, Mabee & Reynard (Inc.) (Imp), 257 Pearl, New York
Marden, Orth & Hastings Co. (Imp.), 136 Liberty, New York
Mitsui & Co. (Imp), 65 B'way, New York
Nucoa Butter Co., 233 B'way, New York
Oil Seeds Co., 35 S William, New York
Pacific Oil & Lead Works, 155 Townsend, San Francisco, Cal.
Paterson, Boardman & Knapp, 10 Bridge, New York
Philippine Vegetable Oil Co. (Imp.), 11 B'way, New York
Simon J. & Co. (Imported), 18 B'way, New York
Suter Eugene & Co., 120 B'way, New York
Swan & Finch Co. (Importers), 165 B'way, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Tennant C. Sons & Co. of N. Y. (Imp.), 100 William, New York
Welch, Holme & Clark Co., 383 West, New York
Winkler Isaac & Bro. Co., 1st Nat'l Bk. bldg., Cincinnati, O.

## 10292— Oils (Cod)

See also Oils, Fish

**COOK & SWAN CO., INC.** (Imp.), 148 Front, New York
*See adv index at end of book*
Harvey & Outerbridge (Imp), 11 B'way, New York
McKesson & Robbins (Imp), 91 Fulton, New York
Marden, Orth & Hastings Co. (Imp.), 136 Liberty, New York
Norwood Jos. W., Gloucester, Mass.
Swan Alden S. & Co. (Imp.), 135 Front, New York
Swan & Finch Co. (N. F.), 165 B'way, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Young Frank L. Co. (Pure Cod), 111 Purchase, Boston, Mass.

## 10292a— Oils (Cod Liver)

**COOK & SWAN CO., INC.** (Imp. Medicinal Non Freezing Norwegian Process Cod Liver Oils), 148 Front, New York
*See adv index at end of book*
Hendey Chem. Co., Inc., 72 Trinity pl, New York
Lathrop H. R. & Co., 116 Beekman, New York
Magnus, Mabee & Reynard, 257 Pearl, New York
Scott & Bowne, Bloomfield, N. J.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 10292b— Oils (Cold-Pressed)

Musher & Co., 140 Liberty, New York

## 10293— Oils (Core)

See also Compounds, Core

**BUCKEYE PRODUCTS CO.,** 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Cataract Refining & Mfg. Co., Buffalo, N. Y.
**COOK & SWAN CO., INC.,** 168 Front, New York *See adv index at end of book*
Corol Co., 127 N Dearborn, Chicago, Ill.
Crawford Specialty Mfg. Co. Blackstone bldg, Cleveland, O.
Damascus Mfg. Co., Cassius av, Cleveland, O.
Delevan Mfg. Co., 65 Delevan, Brooklyn, N. Y.
Diamond Oil Co., 52d & Frays av, Phila, Pa.
Federal Foundry Supply Co., 2639 E. 79th, Cleveland, O.
Garnet Co., The (Film), Allentown, Pa.
Girard Chemical Co., 241 Maurice, Buffalo, N. Y.
Glenside Core Oil Co. ("Glenside"), 138 S 4th, Phila., Pa.
Herruth Core Oil Co., Zion City, Ill.
Holland Coal Oil Co., 4608 W Huron, Chicago, Ill.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Kellogg, Spencer & Sons ("Kellogg" Linseed Base), Buffalo, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Mills C. E. Oil Co., Syracuse, N. Y.
National Oil & Supply Co. ("Viscos") 180 Freylinghuysen av, Newark, N. J.
National Refining Co., Rose bldg, Cleveland, O.

Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Paxson J. W. Co., 1021 N Delaware av, Philadelphia, Pa.
Pittsburgh Oil Refining Co. Pittsburgh, Pa.
Sero Specialty Co., 2860 E 84, Cleveland, O.
Sinclair Refining Co., Conway bldg, Cleveland, O.
Springfield Facing Co. ("Springfield Standard"), Springfield, Mass.
*See adv index at end of book*
Standard Linseed Co. (Linseed), Willey & Big 4 R. R., Cleveland, O.
Standard Oil Co. of N. Y. ("Sacony"), 555 W 25th, New York
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
Sterling Oil Co. ("Sterling"), Emlenton, Pa.
Stevens Frederic B., 3d & Larned, Detroit, Mich. *See adv index at end of book*
Sun Co., Finance bldg, Philadelphia, Pa.
Swan & Finch Co. ("Victory," "Century"), 165 B'way, New York
Thompson & Co. ("Lin-O-Core"), 857 W North av, Pittsburgh, Pa.

## 10294— Oils (Corn)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
American Hominy Co., Indianapolis, Ind.
American Maize-Products Co., 135 William, New York
Bakers Products Co. ("Monolene"), 1125 W 11th, Cleveland, O.
Boyer Oil Company, Inc., 25 W B'way, New York
Corn Products Refining Co. ("Paragol" Unadulterated), 17 Battery pl, New York
Douglas Co., Cedar Rapids, Ia.
Eberhart J. P. & Co., 15 William, New York
Elbert & Co. (Imp), 71 Wall, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hubinger J. C. Bros. Co., New Haven, Conn.
Oil Seeds Co., 35 S William, New York
Patent Cereals Co., Geneva, N. Y.
Staley A. E. Mfg. Co., Decatur, Ill.
Union Starch & Refining Co., Edinburg, Ind.
Wathen Milling Co., Louisville, Ky.
Welch, Holme & Clark Co., 383 West, New York

## 10295— Oils (Cottonseed)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill
American Cotton Oil Co., 65 B'way, New York
American Cotton Oil Co. ("I X L"), 65 B'way, New York
Americus Oil Co., Americus, Ga.
Arcadia Cotton Oil Mill & Mfg. Co., Arcadia, La
Ashcraft Wilkinson Co., Atlanta, Ga.
Bakers Products Co. ("Monolene"), 1125 W 11th, Cleveland, O.
Bastrop Cotton Oil Co., Bastrop, La.
Bowdon Oil & Fertilizer Co., Bowdon, Ga.
Boyce Cotton Oil & Mfg. Co., Ltd., Boyce, La.
Boyer Oil Company, Inc., 25 W Broadway, New York
Brede F. W. & Co. Memphis, Tenn.
Broussard Oil Mill Co., Ltd., Broussard, La.
Buckeye Cotton Oil Co., Gwenne bldg, Cincinnati, O.
Carthage Cotton Oil Co., Carthage, Texas
Coweta Cotton Oil Mill, Newnan, Ga.
Crescent Cotton Oil Co., Memphis, Tenn.
Cuthbert Oil Co., Cuthbert, Ga.
Dallas Oil & Refining Co., Dallas, Tex.
Delta Oil Co., Greenville, Miss.
De Soto Oil Co., Memphis, Tenn.
Dixie Cotton Oil Co., Montgomery, Ala.
Dixie Cotton Oil Mill, Little Rock, Ark.
Donaldsonville Oil Mill, Donaldsonville, Ga.
Dunn J. T. Co., Inc. (Imp.), 216 Pine, San Francisco, Cal.
*See adv index at end of book*
East St. Louis Cotton Oil Co. ("Illinois"), East St. Louis, Ill.
Elbert & Company (Imp.), 71 Wall, New York
Elberton Oil Mills, Atlanta, Ga.
Empire Cotton Oil Co., Atlanta, Ga.
Eufaula Cotton Oil Co., Eufaula, Ala.
Farmers' Cotton Oil Co., Americus, Ga.
Farmers Cotton Oil Co., Madill, Okla.
Farmers' Cotton Oil & Fertilizer Co., Huntersville, Ala.
Farmers & Ginners' Oil Mill, Austin, Tex.
Farmers' Oil Mill, Royston, Ga.
Fayetteville Oil Co., Fayetteville, Ga.
Field Julian & Co., Atlanta, Ga.
Florida Cotton Oil Co., Jacksonville, Fla.
Fort Valley Oil Co., Fort Valley, Ga.
Fulper Edw. B., Trenton, N. J.
Gayoso Oil Works, Memphis, Tenn.
Globe Soap Co., United Bank bldg, Cincinnati, O.
Gohlston Bros., Comer, Ga.
Greenville Cotton Oil & Mfg. Co., Greenville, Ga.
Griffin Oil Mill, Griffin, Ga.
Hamilton Cotton Oil Mill, Hamilton, Tex.
Havens Oil Co., Washington, N. C.
Lange Soap Co., San Antonio, Texas
Lester-Ricks Oil Co., Byronville, Ga.
Magnus, Mabee & Reynard, 257 Pearl, New York
Mandeville Mills, Carrollton, Ga.
Mangum Cotton Oil Mill Co., Mangum, Okla.
Milledgeville Oil Mills, Atlanta, Ga.
Morton Oil Mills, Millen, Ga.
National Cotton Oil Co., Montgomery, Ala.
New Roads Oil Mill & Mfg. Co., Newroads, La.
Norden A. & Co. (Imp.), Cotton Exch. bldg., New York
Oil Seeds Co., 35 S William, New York
Peoples' Cotton Oil Co., Lafayette, La.
Perkins Oil Co., Memphis, Tenn.
Phoenix Cotton Oil Co., Memphis, Tenn.
Planters' Chemical & Oil Co., Talladega, Ala.
Planters' Cotton Oil Co., Augusta, Ga.
Portsmouth Cotton Oil Refining Corp., Portsmouth, Va.
Proctor & Gamble Co., Gwynne bldg, Cincinnati, O.
Red River Oil Co., Alexandria, La.
Refuge Cotton Oil Co., Vicksburg, Miss.
Richland Cotton Oil Co., Richland, Ga.
Richmond Cotton Oil Co., Memphis, Tenn.
Roberts Cotton Oil Co., Memphis, Tenn.
Rose City Cotton Oil Mill, Little Rock, Ark.
St. Landry Cotton Oil Co., Opelousas, La.
Southern Cotton Oil Co. (& Other Vegetable Oils), 120 B'way, New York
Statesville Cotton Oil Co., Statesville, N. C.
Summerville Cotton Oil Co., Summerville, Ga.
Suter Eugene & Co., 120 B'way, New York
Tennessee Cotton Oil Co., Memphis, Tenn.
Trinity Cotton Oil Co., Dallas, Tex.
Union Cotton Oil Co., Fitzgerald, Ga.
United Oil Mills, Hope, Ark.
Upson County Oil Mills, Thomaston, Ga.
Villa Rica Cotton Oil Co., Villa Rica, Ga.
Walker Bros. Co., Griffin, Ga.
Walterboro Cotton Oil Co., Walterboro, S. C.
Welch, Holme & Clark Co., 383 West, New York
Winder Oil Mill Co., Winder, Ga.
Winona Oil & Mfg. Co., Winona, Miss.

## 10296— Oils (Creosote)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Alcatraz Co., Inc., 3200 Wiliamsburg av, Richmond, Va.
Am. Tar Products Co., 208 S La Salle, Chicago, Ill.
Barrett Co. ("Barrett's"), 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
City Gas Co., Norfolk, Va.
Cleveland Cliffs Iron Co. (Wood), Rockefeller bldg., Cleveland, O.
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Compressed Wood Preserving Co., Spring Grove & Station avs, Winton pl, Cincinnati, Ohio
Florida Wood Products Co., Jacksonville, Fla.
Fuller Ralph L & Co., Inc., 81 Fulton, New York
General Naval Stores Co. ("Sunny South"), 90 West, New York
Ga. Pine Turpentine Co. of N. Y., 158 Perry, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Jordan William E., Inc., 13 Cliff, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
Mashek Chemical & Iron Co., Wells, Mich.
National Aniline & Chemical Co., Inc. (Imp.), 21 Burling slip, New York
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Pensacola Tar & Turpentine Co. (Wood), Gull Point, Fla.
Protexol Corporation, 41 Barclay, New York
REPUBLIC CREOSOTING CO., Merchants Bank bldg ("Kreodone"), Indianapolis, Ind. *See adv index at end of book*
Semet Solvay Co., Syracuse, N. Y.
Spiritine Chemical Co., Wilmington, N. C.
Standard Chemical Co., Tacoma, Wash.
United Gas Improvement Co., Broad & Arch, Phila., Pa.
White Tar Co. of N. J., 56 Vesey, New York
Wilckes, Martin, Wilckes Co., 135 William, New York

## 10297—Oils (Cutting, Drilling & Polishing)

See also Compounds

Anchor Oil & Chemical Co. ("Anchor" Thread Cutting Oils), Cleveland, O.
Borne-Scrymser Co., 80 South, New York
Climax Refining Co. (& Soluble), Williamson bldg, Cleveland, O.
COOK & SWAN CO., INC., 148 Front, New York *See adv index at end of book*
Crescent Oil Co. ("Aqualene"),50 Church.
Damascus Mfg. Co. ("Diamond"), Cassius av, Cleveland, O.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Farr Mfg. Co. ("Landral"), No. Tonawanda, N. Y.
Fiske Bros. Refining Co., 24 State, New York
Gulf Refining Co. (Drilling & Polishing), Frick bldg annex, Pittsburgh, Pa.
Haws Geo. A. ("Marnile"), 135 Front, New York
Houghton E. F. & Co. ("Fileine," "Houghtolard"), 240 W Somerset, Phila., Pa.
Indian Refining Co., 244 Madison av, New York
National Oil Products Co., Harrison, N. J.
National Refining Co., Rose bldg, Cleveland, O.
Penn American Refining Co., Oil City, Pa.
Penn Oil & Supply Co., Ltd. ("Penn" Brand), Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pratt B. G. Co. ("Hydroil" Water Oil Cutting Compound), 50 Church, New York
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sibley Soap Co., Franklin, Pa.
Sinclair Refining Co., Connors bldg, Chicago, Ill.
Smith E. A., Hamilton, O.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
Sullivan Oil Co. ("Sullivan's Cutting Compounds), 413 N. Wells, Chicago, Ill.
Swan & Finch Co. ("Bayway," "Excelsior," "Eagle"), 165 B'way, New York
Talley & Co. ("Talco"), New Richmond, O.
TEXAS COMPANY, 17 Battery pl, New York *See adv index at end of book*
Ulco Oil Co. (Cutting), 65 Hale, Detroit, Mich.
Union Petroleum Co. ("Mineral Lard"), Widener bldg, Philadelphia, Pa.
Vacuum Oil Co. (Gargoyle, Mobiloils), Rochester, N. Y.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*
White & Bagley Co. ("Minolard"), Worcester, Mass.
Young Frank L. Co. ("Youkin"), 111th Purchase, Boston, Mass.

## Oils (Cycle)

See Oils, Bicycle & Sewing Machine

## Oils (Cylinder)

See Lubricating Oils & Greases

## 10298— Oils (Dead)

United Gas Improvement Co., Broad & Arch, Phila., Pa.
Watson H. F. Co. (For Roofing), Erie, Pa.

## 10299— Oils (Degras)

**COOK & SWAN CO., INC.,** 148 Front, New York
*See adv index at end of book*
Francesconi J. C. & Co. (Imp), 23 Beaver, New York

## 10299a— Oils (Dip)

American Chemical & Mfg. Co., Inc., 617 Monticello av, Norfolk, Va.
Barrett Co., 17 Battery pl, New York
Chatfield Mfg. Co., Carthage, Cincinnati, Ohio
Illinois Oil Co. of Rock Island, Rock Island, Ill.

## Oils (Dustlaying)

See Road Binders & Preservatives

## Oils (Dynamic)

See Lubricating Oils & Greases

## 10299b— Oils (Edible)

Edgertyn Aniline Corp., 119 William, New York

## 10300— Oils (Emulsion)

**Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.**
**Indian Refining Co., 244 Madison av, New York**
**Jamaica Dyewood & Chemical Co.** ("Howell's No. 50"), 50 Church, New York
Musher & Co., 140 Liberty, New York

## Oils (Engine)

See Lubricating Oils & Greases

## 10301— Oils (Essential)

**Apelt-Herrmann (Imp), 76 Wall, New York**
Barrett M. L. & Co., 233 W Lake, Chicago, Ill.
Bauer Philip Co., 25 W B'way, New York
Bush W. J. & Co., 100 William, New York
Chiris Antoine Co. (Imported), 20 Platt, New York
Compagnie Morana, 118 E 27th, New York
Commonwealth Chemical Corp., 15 Park row, New York
**Dodge & Olcott Co. (Imported), 87 Fulton, New York**
**Elson & Brewer (Imp.), 20 Gold, New York**
**Eng. Skeel Co., 208 Mission, San Francisco, Cal.**
**Fritzsche Bros. (Imp.), 82 Beekman, New York**
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
**Gross G. V. & Co. (Imp.), 30 Old Slip, New York**
Hartmann Pacific Co., Inc. (Imp.), 80 Wall, New York
**Heine & Co. (Imp.), 7 Platt, New York**
**Hills Edward Sons & Co. (Imp.), 64 Wall, New York**
Hutchinson D. W. (Imp.), 94 John, New York
Hymes Bros. Co., 235 Pearl, New York
Innis, Speiden & Co., Inc. (Imp.), 46 Cliff, New York. *See adv index at end of book*
Isenstein Otto & Co. (Imp.), 132 Front, New York
Jordan W. H. & P. Jr., Inc. (Imp), 124 Water, New York
**Leerburger Bros., 170 B'way, New York**
**Lueders Geo. & Co., 218 Pearl, New York**
**Lyon Julian W. (Imp), 101 Beekman, New York**
McKesson & Robbins (Imp.), 91 Fulton, New York
Magnus, Mabee & Reynard, 257 Pearl, New York
**Manheimer J. (Imp.), 28 Gold, New York**
**Muhlethaler Th. Co., 80 John, New York**
National Aniline & Chemical Co., Inc. (Imp.), 21 Burling slip, New York
Orbis Products Trading Co., Inc., 212 Pearl, New York
Rockhill & Vietor, 22 Cliff, New York
Roure-Bertrand Fils, 18 Cedar, New York
Stilwell Arthur A. & Co. (Imp.), 28 Cliff, New York
Suter Eugene Co., 120 B'way, New York
Todd A. M. Co., Kalamazoo, Mich.
Ungerer & Co. (Imp.), 124 W 19th, New York
Wolmark Chemical Co., 17 E 14th, New York
Wyso Mfg. Co., 3640 20th, San Francisco, Cal.

## 10301a— Oils (Eucalyptus)

Breslauer A. (Industrial Chemicals), Am. National Bank bldg, San Francisco, Cal.

## 10301b— Oils (Fish)

See also Oils, Cod

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Alexander H. T. & Co., 17 Batery pl, New York
American Wood Preserving Co., 1351 N Branch, Chicago, Ill.
Baltimore Oil Co., 106 N High, Baltimore, Md.
**Bent James S., 117 First, S. Boston, Mass.**
**Clark Fred G. Co., 1081 W 11th, Cleveland, Ohio**
**COOK & SWAN CO., INC.** (Menhaden, Herring, Cod, Dog Fish, Tuna, Shark, etc.), 148 Front, New York
*See adv index at end of book*
Doane & Bartlett Co., Beaufort, N. C.
Dodd A. W. & Co. (Menhaden), Gloucester, Mass.
Dunn J. T. Co., Inc. (Imp), 216 Pine, San Francisco, Cal.
*See adv index at end of book*
Fearon, Brown Co. (Imp.), 96 Wall, New York
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hartmann Pacific Co., Inc. (Imp.), 80 Wall, New York
Jarecki Chemical Co., Sandusky, Ohio
**Klipstein A. & Co., 644 Greenwich, New York**
**Malone Oil Co., 2197 E 18th, Cleveland, O.**
Marden, Orth & Hastings Co., 136 Liberty, New York
Musher & Co., 140 Liberty, New York
Norwood Joseph W., Gloucester, Mass.
Nye Wm. F., New Bedford, Mass.
Robinson W. A. & Co. (Sperm, Whale, Menhaden, Sea Elephant, etc), New Bedford, Mass.
Rogers, Brown & Co., 77 Carew bldg, Cincinnati, O.
Swan & Finch Co. (Sperm, Fish, Whale, Cod, Seal, etc), 165 B'way, New York
Takamine Commercial Corp. (Imp.) 120 B'way, New York
*See adv index at end of book*
**Tarr Geo. J. Co., Gloucester, Mass.**
Winkler Isaac & Bro. Co., 1st National Bank bldg, Cincinnati, O.
Young Frank L. Co. ("Youkin"), 111 Purchase, Boston, Mass.

## 10302— Oils (Floor)

Antakwa Co. ("Antakwa"), 133 W Washington, Chicago, Ill.
**Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.**
Borne-Scrymser Co., 80 South, New York
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: **Reno, Pa.**
Hilker Edw. Mop Co. ("Hilker" Antiseptic), **2614 W Grand av, Chicago, Ill.**
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Indian Refining Co., 244 Madison av, New York
National Refining Co., Rose bldg, Cleveland, O.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Schilling Frederick ("Paramount"), 617 Greenwich, New York
Sinclair Refining Co. ("Four Bros."), Albany, N. Y.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Star Lubricating Oil Co., 8714 Broadway, Cleveland, O.
Sun Company, Finance bldg, Philadelphia, Pa.
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10302a— Oils (Flotation)

Chatham Mfg. Co., Savannah, Ga.
Florida Wood Products Co., Jacksonville, Fla.
**GENERAL NAVAL STORES CO.,** 90 West, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Kingsport Wood Reduction Co., Kingsport, Tenn.
Lewis F. G. Mfg. Co., 2513 Robey, Chicago, Ill.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Protexol Corporation, 41 Barclay, New York

## 10303— Oils (Fusel)

Albany Chemical Co. (Refined), Albany, N. Y.
Alcohol Products Co., Blanchard, Newark, N. J.
Amerman & Patterson (Imported), 21 State, New York
Anderson Chemical Co. (Refined), Wallington, N. J.
Franco-American Chemical Co. (Refined), 8 Gold, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hummel & Robinson (Crude & Refined), 26 Cortlandt, New York
**Klipstein A. & Co. (Refined Imp.), 644 Greenwich, New York**
**McKesson & Robbins (Imp.), 91 Fulton, New York**
Maas & Waldstein, 92 William, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
U. S. Industrial Chem. Co. (Crude & Refined), 27 William, New York
**Van Schaack Bros., Chemical Works, 443** 3358 Avondale av, Chicago, Ill.
Walthen R. E. & Co., Louisville, Ky.
Western Industries Co., 110 Sutter, San Francisco, Cal.
**Wiarda John C. & Co. (Refined Jobbers), 273 Greene, Brooklyn, N. Y.**

## 10304— Oils (Gas & Fuel)

**ADMIRAL PETROLEUM CO.,** .215-16 Bessemer bldg Pittsburgh, Pa.
*See adv index at end of book*
Advance Oil Co. (Fuel), Oil City, Pa.
Asphaltum & Oil Refining Co., 2475 E 9th, Los Angeles, Cal.
**Associated Oil Co. (Crude Fuel Oil),** Sharon bldg, San Francisco, Cal.
Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.
Cameron Refining Co., Ardmore, Okla.
Canfield Oil Co. (Gas), 3210 55th, Cleveland, O.
**Central Commercial Co. (Fuel), 111 N Market, Chicago, Ill.**
Central Refining Co., Lawrenceville, Ill.
Clarendon Refining Co., Clarendon, Pa.
Clark Fred G. Co., 1081 W 11th, Cleveland, O.
Craig Oil Co., Toledo, O.
Efficiency Oil Corp. ("Efficiency"), 2100 Kienlen av, St. Louis, Mo.
Emery Mfg. Co., Bradford, Pa .
Empire Oil Works, Oil City, Pa.
Freedom Oil Works Co., Freedom, Pa.
General Petroleum Corp., Higgins bldg, Los Angeles, Cal.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
**Independent Refining Co. (Ltd.), Oil City, Pa.**
Indian Refining Co., 244 Madison av, New York
Interocean Oil Co., 90 West, New York
Kendall Refining Co., Bradford, Pa.
Louisiana Oil Refining Co., Shreveport, La.
Maloney Oil & Mfg. Co., Scranton, Pa.
Manufacturers Paraffine Co., Chester, Pa.
Mills C. E. Oil Co., Syracuse, N. Y.
National Refining Co., Rose bldg, Cleveland, O.
Ohio Cities Gas Co., Columbus, O.
Penn American Refining, Co., 244 Madison av, Oil City, Pa.

**Pennsylvania Paraffine Works, Titusville, Pa.**
**Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.**
**Pittsburgh Oil Refining Co., Pittsburgh, Pa.**
Prairie Oil & Gas Co., Independence, Kans.
**Prime & Cook Petroleum Co. (Jobbers), 208 S La Salle, Chicago, Ill.**
**Prudential Oil Corp., 17 Battery pl, New York'**
**Pure Oil Co., Lafayette bldg, Phila., Pa.**
Sapulpa Refining Co. (Fuel), Sapulpa, Okla.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sloan & Zook, Bradford, Pa.
Southern Oil Corp., Tulsa, Okla.
Southwestern Oil Corp., Oklahoma, Okla.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Sun Co., Finance bldg, Phila, Pa.
**TEXAS COMPANY**, ("Texaco"), 17 Battery, pl, New York
*See adv index at end of book*
Tidewater Oil Co., 11 B'way, New York
**Union Oil Co. of Cal. (Fuel), Union Oil bldg, Los Angeles, Cal.**
Union Petroleum Co., Widener bldg, Philadelphia, Pa.
**Warren Refining Co., Warren, Pa.**
**Waverly Oil Works Co., Pittsburgh, Pa.**
*See adv index at end of book*
**Western Petroleum Co., 208 S La Salle, Chicago, Ill.**
**Wypssbrod E. V. & Co., Findlay, O.**

## Oils (Graphite)

See Lubricating Oils & Greases

## 10305— Oils (Harness)

See also Dressing

**Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.**
**Baum's Castorine Co. ("Castorine"), Rome, N. Y.**
**Climax Refining Co., Williamson Bldg, Cleveland, O.**
**Climax - Western Oil Co. ("Diamond Black"), 2824 10th av S, Minneapolis, Minn.**
**Commercial Chemical Co. ("X L N C"), 212 Essex, Boston, Mass.**
**Frazer Lubricator Co., 3921 Normal av, Chicago, Ill.**
**Freedom Oil Works Co., Freedom, Pa.**
**Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.**
**Hollingshead R. M. Co. ("Hollingshead" Dipping & Blacking), Camden, N. J.**
**Indian Refining Co. 244 Madison av, New York**
**Miller Frank Co., 349 W 26th, New York**
**National Refining Co., Rose bldg, Cleveland, O.**
**Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.**
**Sinclair Refining Co. ("Four Bros."), Albany, N. Y.**
**Sonneborn L. Sons ("Amalie," also Grease), 262 Pearl, New York**
**Standard Oil Co. of N. Y. ("Eureka"), 555 W 25th, New York**
**Stah Lubricating Oil Co., 8714 B'way, Cleveland, O.**
**TEXAS COMPANY**, 17 Battery pl, New York *See adv index at end of book*
**Vacuum Oil Co. ("Gargoyle," "Mobiloils," "Mobilubricant"), Rochester, N. Y.**
**World Refining Co., Easton, Pa.**

## 10306— Oils (Headlight)

**Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.**
**Crystal Oil Works, Oil City, Pa.**
**Emery Mfg. Co., Bradford, Pa.**
**Empire Oil Works, Oil City, Pa. Works: Reno, Pa.**
**Freedom Oil Works Co., Freedom, Pa.**
**Indian Refining Co., 244 Madison av, New York**
**Galena Signal Oil Co. ("Galena"), Franklin, Pa.**
**Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.**
**National Refining Co., Rose bldg, Cleveland, O.**
**Penn American Refining Co., Oil City, Pa.**
**Pennsylvania Paraffine Works, Titusville, Pa.**
**Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.**
**Pittsburgh Oil Refining Co., Pittsburgh, Pa.**
**Pure Oil Co., Lafayette bldg, Phila., Pa.**
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
**TEXAS COMPANY**, 17 Battery pl, New York *See adv index at end of book*
**Waverly Oil Works Co., Pittsburgh, Pa.**
*See adv index at end of book*

## 10307— Oils (Horse)

**American Reduction Co., 1942 Forbes, Pittsburgh, Pa.**

## 10307a— Oils (Hydrogenated)

American Oil Products Co., Logansport, Ind.
Boyer Oil Co., Inc., 25 W B'way, New York
Brown Co., Portland, Me.
Cudahy Packing Co., 111 W Monroe, Chicago, Ill.

## 10308-9— Oils (Illuminating)

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
**American Oil Works (Ltd.), Titusville, Pa.**
**Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.**
**Bayerson Oil Works ("Eriolene"), Erie, Pa.**
Canfield Oil Co., 3210 E 55th, Cleveland, O.
**Clarendon Refining Co., Clarendon, Pa.**
**Continental Refining Co., Oil City, Pa.**
**Craig Oil Co., Toledo, O.**
**Crystal Oil Works, Oil City, Pa.**
**Emery Mfg. Co., Bradford, Pa.**
**Empire Oil Works, Oil City, Pa.**
Galena-Signal Oil Co., Franklin, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
**Independent Refining Co. (Ltd.), Oil City, Pa.**
**Indian Refining Co., 244 Madison av, New York**
**Indian Territory Illuminating Oil Co., Bartlesville, Okla.**
**Island Petroleum Co., Neville Island, Pittsburgh, Pa.**
Loos & Dilworth, 134 S Front, Phila., Pa.
Mills C. E. Oil Co., Syracuse, N. Y.
Mutual Refining Co. (Ltd.), Warren, Pa.
National Refining Co., Rose bldg, Cleveland, O.
**Paragon Refining Co., Toledo, O.**
**Penn American Refining Co., Oil City, Pa.**
Pennsylvania Paraffine Works, Titusville, Pa.
**Pennsylvania Refining Co., Karns City, Pa.**
**Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.**
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
**Pure Oil Co., Lafayette bldg, Phila., Pa.**
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sloan & Zook, Bradford, Pa.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Texas Company ("Crystalite," "Familylite," "Texaco"), 17 Battery pl, New York. *See adv index at end of book*
Tidewater Oil Co., 11 B'way, New York
Union Petroleum Co., Widener bldg, Philadelphia, Pa.
**United Refining Co., Warren, Pa.**
**Warren Refining Co., Warren, Pa.**
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10310— Oils (Kerosene)

**ADMIRAL PERTOLEUM CO.**, 215-16 Bessemer bldg Pittsburgh, Pa.
*See adv index at end of book*
American Oil Works (Ltd.), Titusville, Pr.
**Atlantic Refining Co., 3144 Passyunk av** Philadelphia, Pa.
Cameron Refining Co., Ardmore, Okla.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
**Central Refining Co., Lawrenceville, Ill.**
**Clarendon Refining Co., Clarendon, Pa.**
Columbia Oil Co. of N. Y., 15 William, New York
**Consumers Refining Co., 76 W Monroe, Chicago, Ill.**
**Crystal Oil Works, Oil City, Pa.**
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
**Great Western Oil Co. ("Palacelite"), 2846 E. 37th, Cleveland, O.**
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Hults Ellsworth H., Inc., 218 Walnut, Phila., Pa.
**Indian Refining Co., 244 Madison av, New York**
**Kendall Refining Co., Bradford, Pa.**
**Louisiana Oil Refining Co., Shreveport, La.**
National Refining Co., Rose bldg, Cleveland, O.
**Ohio Cities Gas. Co., Columbus, O.**
**Penn American Refining Co., Oil City, Pa.**
**Pennsylvania Paraffine Works, Titusville, Pa.**
Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Prudential Oil Corp., 17 Battery pl, New York
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sloan & Zook, Bradford, Pa.
Southern Oil Corp., Tulsa, Okla.
Southwestern Oil Corp., Oklahoma, Okla.
**Standard Oil Co. of N. J. 26 B'way, New York**
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
**TEXAS COMPANY**, 17 Battery pl, New York *See adv index at end of book*
Tidewater Oil Co., 11 B'way, New York
**Union Oil Co. of Cal., Union Oil bldg, Los Angeles, Cal.**
Warren Refining Co., Warren, Pa.
*See adv index at end of book*
Waverly Oil Works Co., Pittsburgh, Pa.

## 10311— Oils (Lard)

See also Lubricating Oils & Greases

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Alexander H. T. & Co., 17 Battery pl, New York
Baltimore Oil Co., 106 N High, Baltimore, Md.
Cataract Refining & Mfg. Co. (Mineral Lard), Buffalo, N. Y.
**COOK & SWAN CO.**, INC., 148 Front, New York *See adv index at end of book*
**Cooper Sanitary Mfg. Co. (Blended), 34th & Chestnut, Phila., Pa.**
**Cortland Specialty Co., Cortland, N. Y.**
**Davies Young Soap Co., Dayton, O.**
**Great Western Oil Co., 2846 E 37th, Cleveland, O.**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
International Vegetable Oil Co., Atlanta, Ga.
**Malone Oil Co., 2197 E 18th, Cleveland, O.**
Miller Mfg. Co., 668 Eddy, Providence, R. I.
Mills C. E. Oil Co., Syracuse, N. Y.
National Oil & Supply Co. ("Viscos" Mineralized), 180 Freylinghuysen av, Newark, N. J.
Nye Wm. F., New Bedford, Mass.
Pacific Coast Beef & Provision Co., Los Angeles, Cal.
Pfau's Geo. Sons Co., Jeffersonville, Ind.
Pierce Oil Corp., Bank of Commerce bldg, St. Louis, Mo.
Sullivan Oil Co., 413 N. Wells, Chicago, Ill.
**Wilson & Co., Union Stock Yards, Chicago, Ill.**

## 10312— Oils (Lawn Mower)

**Emery Mfg. Co., Bradford, Pa.**
**Hollingshead R. M. Co. ("Whiz"), Camden, N. J.**
**Indian Refining Co., 244 Madison av, New York**
Nye Wm. F. ("Nyoil"), New Bedford, Mass.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg., Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Supplee-Biddle Hdw. Co. ("Pennsylvania"), 510 Commerce, Phila., Pa.
Texas Company, 17 Battery pl, New York *See adv index at end of book*
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10313— Oils (Leather)

See also Oils Harness, also Oils Neatsfoot, also Oils Tanners

Arabol Mfg. Co., 100 Wiliam, New York
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Boyer Oil Co., Inc., 25 W B'way, New York
Houghton E. F. & Co., 240 W Somerset, Phila., Pa.
National Oils Products Co., Harrison, N. J.
Winkler Isaac & Bro. Co., 1st Nat'l Bank bldg, Cincinnati, O.

## Oils (Linseed)

**See Linseed Oil & Cake Mills**

## Oils (Lubricating)

**See Lubricating Oils & Greases**

## 10314— Oils (Lustre)

Houghton E. F. & Co. (For Velvet & Plush Mfgs.), 240 Somerset, Phila., Pa.

## 10315—Oils (Medicinal Petroleum)

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Schliemanns Oil Ousine Co. (White), 25 Beaver, New York
Sloan & Zook, Bradford, Pa.
Union Petroleum Co. ("Litholine"), Widener bldg, Philadelphia, Pa.
**Warren Refining Co., Warren, Pa.**

## 10316—Oils (Mineral Seal)

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
**Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.**
Borne-Scrymser Co., 80 South, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
**Emery Mfg. Co., Bradford, Pa.**
**Empire Oil Works, Oil City, Pa., Works, Reno, Pa.**
Indian Refining Co., 244 Madison av, New York
**Island Petroleum Co., Neville Island, Pittsburgh, Pa.**
Malone Oil Co. (Imported Russian), 2197 E 18th, Cleveland, O.
Mutual Refining Co. (Ltd.), Warren, Pa.
**Pierce Oil Corp., Bank of Com. bldg., St. Louis, Mo.**
Sloan & Russel, Inc. (Lubricating), 132 Nassau, New York
Sloan & Zook, Bradford, Pa.
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Tidewater Oil Co., 11 B'way, New York
**Warren Refining Co., Warren, Pa.**

## 10317—Oils (Miners' Torch)

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.
**Borne-Scrymser Co., 80 South, New York**
**Emery Mfg. Co., Bradford, Pa.**
Empire Oil Works, Oil City, Pa. Works: **Reno, Pa.**
Gulf Refining Co., Frick bldg Annex, Pittsburgh, Pa.
**Independent Refining Co. (Ltd.), Oil City, Pa.**
Indian Refining Co., 244 Madison av, New York
National Refining Co., Rose bldg, Cleveland, O.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Standard Oil Co. of N. Y. ("Miner's Sunshine"), 555 W 25th, New York
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
**Warren Refining Co., Warren, Pa.**
**Waverly Oil Works Co., Pittsburgh, Pa.**
*See adv index at end of book*

## 10318— Oils (Monopole)

**Wolf, Jacques & Co. Passaic, N. J.**

## 10319— Oils (Neatsfoot)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
**Baum's Castorine Co., Rome, N. Y.**
Baltimore Oil Co., 106 N High, Baltimore, Md.
**Consolidated Rendering Co., 40 N Market, Boston, Mass.**
**COOK & SWAN CO., INC.,** 148 Front, New York. *See adv index at end of book*
Cooper's Peter Glue Factory, 11th av & 28th, New York
Fiebing Chemical Co. ("Fiebing's"), 240 Reed, Milwaukee, Wis.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hollingshead R. M. Co. ("Hollingshead"), **Camden, N. J.**
**Indian Refining Co., 244 Madison av, New York**
Malone Oil Co., 2197 E 18th, Cleveland, O.
Marden, Orth & Hastings Co., 136 Liberty, New York
Northwestern Chemical Co. ("Norwesco"), Marietta, Ohio
Nye Wm. F., New Bedford, Mass.
**Pacific Coast Beef & Provision Co., Los Angeles, Cal.**
Pierce Oil Corp., Bank of Com. bldg, St. **Louis, Mo.**
Ricard-Brewster Oil Co., 110 Orange, Wilmington, Del.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
**Swan & Finch Co. (Jobbers), 165 B'way, New York**
**Walton F. S. Co., Orthodox & Del., Phila., Pa.**
**Wilson & Co., Union Stocks, Chicago, Ill.**

## 10320— Oils (Neutral)

**ADMIRAL PETROLEUM CO.,** 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Advance Oil Co., Oil City, Pa.
Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Kendall Refining Co., Bradford, Pa.
Millers' A. D. Sons Co., Columbus,, O., & Preble, Pittsburgh, Pa.
Muskogee Refining Co., Muskogee, Okla.
**Pennsylvania Paraffine Wks., Titusville, Pa.**
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sloan & Zook, Bradford, Pa.
**Standard Oil Co. of N. J., 26 B'way, New York**
**Tidewater Oil Co., 11 B'way, New York**
United Refining Co., Warren, Pa.
**Warren Refining Co., Warren, Pa.**
**Waverly Oil Works Co., Pittsburgh, Pa.**
*See adv index at end of book*

## 10321— Oils (Oleo)

**Consolidated Rendering Co., 40 No Market, Boston, Mass.**
**Pacific Coast Beef & Provision Co., Los Angeles, Cal.**
**Reardon John & Sons Co., Cambridge, Mass.**
Wilson & Co., Union Stock Yards, Chicago, Ill.

## 10321a— Oils (Olive)

Boehm Fredk., Ltd., 165 Liberty, New York
Bredt F. & Co., 240 Water, New York
*See adv index at end of book*
Chiris Antoine Co., 20 Platt, New York
Fuerst Bros & Co., 2 Stone, New York
Greek Products Impt. Co., 804 W Polk, Chicago, Ill.
Lehn & Fink, 120 William, New York
Lueders Geo. & Co., 1218 Pearl, New York
McKesson & Robbins, 91 Fulton, New York
Magnus, Mabie & Reynard, 257 Pearl, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Musher & Co., 140 Liberty, New York
National Aniline & Chemical Co., 21 Burling Slip, New York
Oil Seeds Co., 35 S William, New York
Rockhill & Victor, 22 Cliff, New York
Sigmund Krauter, 74 Wall, New York
Strohmeyer & Arpe Co., 139 Franklin, New York
Swan & Finch Co., 165 B'way, New York

## 10322— Oils (Paint)

Admiral Petroleum Co., 215-16 Bessemer, bldg Pittsburgh, Pa.
*See adv index at end of book*
**Akron Varnish Co., Akron, O.**
Alcatraz Co., Inc. ("A. A."), 3200 Williamsburg av, Richmond, Va.
**Atlantic Paint Co., Cleveland, O.**
**Atlas Paint Co., Sharpsburg, Pa.**
Ball Chemical Co. ("Oxolin"), Fulton bldg, Pittsburgh, Pa.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
**Climax Refining Co., Williamson bldg, Cleveland, O.**
**Columbia Refining Co. ("Drithinol"), 90 West, New York**
**COOK & SWAN CO., INC.,** 148 Front, New York *See adv index at end of book*
Crawford Specialty Mfg. Co. (Blacks Asphaltum), Blackstone bldg, Cleveland, O.
De Bar Co., 1 State, New York
Diamond Oil Co., 52nd & Grays av, Phila., Pa.
Elastic Compound Paint Co. ("Elastic Compound"), 5131 Kershaw, Philadelphia, Pa.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
**Gulf Refining Co., Frick bldg Annex, Pittsburgh, Pa.**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**IMPERVIOUS VARNISH CO.,** 421 Wood, Pittsburgh, Pa.
Indian Refining Co., 244 Madison av, New York
**Kay & Ess Co. ("Datonia"), Dayton, O.**
National Refining Co., Rose bldg, Cleveland, O.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
**Riesenman Mfg. Co., Franklin, Pa.**
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
**Spiritine Chemical Co., Wilmington, N. C.**
Sun Company, Finance bldg Phila., Pa.
**Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.**
**Texas Company, 17 Battery pl, New York**
*See adv index at end of book*
Union Petroleum Co. ("Union" Film Oil), Widener bldg, Philadelphia, Pa.
Viscol Co. (Condensed Paint & Varnish Oils), Cambridge, Mass.
**Waverly Oil Works Co., Pittsburgh, Pa.**
*See adv index at end of book*

## 10323— Oils (Palm)

Boyer Oil Company, Inc. (Kernel), 25 W. Broadway, New York
**Doggett Stanley (Imp), 11 Cliff, New York**
**Drew E. F. & Co. (Imp), 120 Milk, Boston, Mass.**
Elbert & Company (Imp), 71 Wall, New York
**Fuerst Bros. & Co. (Imp), 2 Stone, New York**
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Link David C. & Co. (Imp), Produce Exch, New York**
Marden, Orth & Hastings Co. (Imp), 136 Liberty, New York
Merchant & Evans Co. (Imp.), Washington av. & 21st, Philadelphia, Pa.
Oil Seeds Co., 35 S William, New York
National Sales & Trading Co. (Special), Cleveland, Ohio
**Pittsburgh Oil Refining Co., Pittsburgh, Pa.**
**Swan & Finch Co. (Importers), 165 B'way, New York**
**Welch, Holme & Clark Co., 383 West, New York**
**Young Frank L. Co. ("Youkin"), 111 Purchase, Boston, Mass.**

## 10324— Oils (Paraffine)

**ADMIRAL PETROLEUM CO.,** 215-16 Bessemer bldg., Pittsburgh, Pa.
*See adv index at end of book*
**Atlantic Refining Co., 3144 Passyunk av,** Philadelphia, Pa.
Borne-Scrymser Co., 80 South New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
**Craig Oil Co., Toledo, O.**
**Emery Mfg. Co., Bradford, Pa.**
Fuller Ralph L. & Co., 81 Fulton New York

Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Indian Refining Co., 244 Madison av, New York
Jacobs Chas. W. & Allison (Imp), (Russian & White), 18 Cedar, New York
Manufacturers Paraffine Co., Chester, Pa.
National Refining Co., Rose bldg, Cleveland, O.
Pierce Oil Corp., Bank of Com bldg, St. Louis, Mo.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Tidewater Oil Co., 11 B'way, New York

## 10324a— Oils (Peanut)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Bleecker Rutger & Co. (Selling Agents), 87 Wall, New York
Boyer Oil Company, Inc., 25 W Broadway, New York
Carthage Cotton Oil Co., Carthage, Tenn.
**COOK & SWAN CO., INC.** (Imported & Domestic), 148 Front, New York
*See adv index at end of book*
Eufaula Cotton Oil Co., Eufaula, Ala.
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Magnus, Mabee & Reynard, 257 Pearl, New York
Mitsui & Co. (Imp), 65 B'way, New York
Musher & Co., 140 Liberty, New York
Norden A. & Co. (Imp.), Cotton Exch. bldg., New York
Simmons Thos. W. & Co. (Imp), 240 California, San Francisco, Cal.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Trinity Cotton Oil Co., Dallas, Tex.

## 10324b— Oils (Perilla)

Dunn J. T. Co., Inc. (Imp.), 216 Pine, San Francisco, Cal.
*See adv index at end of book*
Frost & Cundill, Inc. (Substitute for Linseed Oil. Imp.), 60 Wall, New York
Takamine Commercial Corp. (Imp), 20 B'way, New York

## 10325— Oils (Pine)

See also Oils, Wood

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Chatham Mfg. Co., Savannah, Ga.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Forest Products Co. ("Pinoesote"), 1212 Whitney, New Orleans, La.
Florida Wood Products Co., Jacksonville, Fla.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
**GENERAL NAVAL STORES CO., INC.** ("Newport"), 90 West, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Magnus, Mabee & Reynard, 257 Pearl, New York
National Pulp & Turpentine Co., Green Grove Springs, Fla.
Newport Turpentine & Rosin Co., Milwaukee, Wis.
North Carolina Naval Stores Co., Wilmington, N. C.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Spiritine Chemical Co. (Flotation), Wilmington, N. C.

## 10326—Oils (Pine, Creosote)

General Naval Stores Co., Inc. ("Sunny South"), 90 West, New York

## 10327—Oils (Pipe Threading)

Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.
Miller's A. D. Sons Co., Columbus & Preble, Pittsburgh, Pa.
Climax Refining Co., Williamson bldg, Cleveland, O.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa.; Works: Reno, Pa.
Hosmer G. A. Co., 601 Northland av, Buffalo, N. Y.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pierce Oil Corp., Bank of Com bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10328— Oils (Pistonite)

Sonneborn L. Sons ("Amalie"), 262 Pearl, New York

## 10328a— Oils (Putty)

Chicago White Lead & Oil Co., 1454 S Western av, Chicago, Ill.
Crandall E. V. Oil & Putty Co., 1105 Metropolitan av, Brooklyn, N. Y.
Penn & Delaware Oil Co., 90 West, New York
Underhay Oil Co., 73 Batterymarch, Boston, Mass.

## 10329— Oils (Rapeseed)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
American Trading Co. (Imp.), 25 Broad, New York
**COOK & SWAN CO., INC**, (Importers French Burning, Double Refined, Blown & Crude Rapeseed), 148 Front, New York *See adv index at end of book*
Elbert & Company (Imp.), 71 Wall, New York
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Kellogg Spencer & Sons, Buffalo, N. Y.
Kuh E. S. & Valk Co. (Imported), Produce Exchange, New York
Norden A. & Co. (Imp.), 60 Beaver, New York
Oil Seeds Co., 35 S William, New York
Sheldon G. W. & Co. (Imported), 8 Bridge, New York
Swan & Finch Co. (Imported), 165 B'way, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Vacuum Oil Co. (Imported), Rochester, N. Y.

## 10330— Oils (Red)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Bosson & Lane (Turkey Red), Atlantic, Mass.
Celina Stearic Acid Co., Celina, O.
Craig Oil Co., Toledo, O.
**EMERY CANDLE CO.** ("Elaine"), Cincinnati, O.
Emery Mfg. Co., Bradford, Pa.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Gross A. & Co., 90 West, New York
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Harding & Fancourt (Turkey Red), 516 S Delaware av, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Herrick & Voigt, (Turkey Red), 68 Maiden Lane, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Leyland Thos. & Co. (Turkey Red), Readville, Boston, Mass.
Manufacturers Paraffine Co. ("Victor"), Chester, Pa.
National Refining Co., Rose bldg, Cleveland, O.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Rub-No-More Co., Ft. Wayne, Ind.
Scholler Bros. Co. (Turkey Red), Amber & Westmoreland, Phila., Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Shaw John & Co. (Turkey Red), 15 Elkins, S. Boston, Mass.
Siegle G. Co. (Turkey Red, Imp.), Rosebank, S. I., N. Y.
Sonneborn L. Sons ("Amalie," Turkey Red), 262 Pearl, New York
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Tidewater Oil Co., 11 B'way, New York
Warren Refining Co., Warren, Pa.
Will & Baumer Co., Syracuse, N. Y.
Wolf Jacques & Co. (Turkey Red), Passaic, N. J.

## 10330a—Oils (Refined Fusel, Aniline, Creosote, Acetone, Shingle, Dead & Flotation)

Du Pont Chemical Wks., 130 B'way, New York
International Vegetable Oil Co. (Refined Fusel), Atlanta, Ga.
U. S. Industrial Chemical Co. (Acetone Oils), 27 William, New York

## 10330b— Oils (Ricinola)

Klipstein A. & Co., 644 Greenwich, New York

## Oils (Road)

See Road Binders & Preservatives

## 10331— Oils (Rosin)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Casey Jno. A. Co., 144 Maiden la, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York *See adv index at end of book*
Fulper Edw. B., Trenton, N. J.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mills C. E. Oil Co., Syracuse, N. Y.
National Rosin Oil & Size Co., 90 West, New York
Peninsular Naval Stores Co., Jacksonville, Fla.
Pensacola Tar & Turpentine Co., Gulf Point, Fla.
Sinclair Refining Co. ("Four Bros."), Albany, N. Y.
Southern Oil & Chemical Co., Savannah, Ga.
Stevenson Bro. & Co., 110 Race, Phila., Pa.
Stoll Oil Refining Co., Louisville, Ky.
Willcox-Ives & Co., Savannah, Ga.

## 10332— Oils (Rubbing)

Indian Refining Co., 244 Madison av, New York
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 165 B'way, New York
Texas Company, 17 Battery pl, New York
*See adv index at end of book*

## 10333—Oils (Safety Lamp)

Galena-Signal Oil Co., Franklin, Pa.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York

## Oils (Screw Cutting)

See Oils, Cutting & Polishing

## 10334— Oils (Sea Animal)

**COOK & SWAN CO., INC.** (Sperm Whale, Walrus, Sea Elephant & Seal), 184 Front, New York
*See adv index at end of book*

## 10335— Oils (Seal)

**COOK & SWAN CO., INC**, (Refined Water White, Imp.), 148 Front, New York
*See adv index at end of book*
Miller's A. D. Sons Co., Columbus & Preble, Pittsburgh, Pa.

## 10336— Oils (Sesame)

Jacob Chas. W. & Allison (Imp.), 18 Cedar, New York
Klipstein A. & Co., 644 Greenwich, New York

OILS (SESAME)—continued

Magnus, Mabee & Reynard, 287 Pearl, New York
Musher & Co., 140 Liberty, New York
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Norden A. & Co. (Imp.), 60 Beaver, New York
Oil Seeds Co., 35 S William, New York
Simmons Thos. W. Co. (Imp), 240 California, San Francisco, Cal.

## Oils (Sewing Machine)

See Oils, Bicycle & Sewing Machine

## 10337—Oils (Shingle Stain)

Barclay Naval Stores Co. (Jobbers), 44 Whitehall, New York
Empire Oil Works, Oil City, Pa. Works, Reno, Pa.
General Naval Stores Co. (Inc.), ("Sunny South"), 90 West, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
PROTEXOL CORPORATION, 41 Barclay, New York
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York

## 10338— Oils (Signal)

Borne-Scrymser Co., 80 South, New York
Emery Mfg. Co., Bradford, Pa.
Galena-Signal Oil Co. ("Galena"), Franklin, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
National Refining Co., Rose bldg, Cleveland, O.
Pierce Oil Corp, Bank of Com. bldg, St. Louis, Mo.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 165 B'way, New York
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Vacuum Oil Co. ("Gargoyle Mobiloils"), Rochester, N. Y.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10339— Oils (Silk)

Mills C. E. Oil Co., Syracuse, N. Y.
Sonneborn L. Sons ("Amalie" for Textile Use), 262 Pearl, New York

## 10340— Oils (Skid)

Emery Mfg. Co., Bradford, Pa.
Warren Refining Co., Warren, Pa.

## 10341— Oils (Soluble)

Advance Oil Co., Oil City, Pa.
American Oil Corp., Jackson, Mich.
Atlantic Refining Co., 3144 Passyunk av, Philadelphia, Pa.
Bayerson Oil Works ("Emulso" Cutting Oil), Erie, Pa.
Bosson & Lane, Atlantic, Mass.
Canfield Oil Co., 3210 E 55th, Cleveland, O
Damascus Mfg. Co. ("Damascus"), Cassius av, Cleveland, O.
Detroit Soluble Oil Co., Beard & M. C. R. R., Detroit, Mich.
Fiske Bros. Refining Co., 24 State, New York
General Adhesive Mfg. Co., Inc. ("Dragon"), 469 Greenwich, New York
Harding & Fancourt, 516 S Delaware av, Phila., Pa.
Herrick & Voigt, 68 Maiden Lane, New York
Magnus, Mabee & Reynard, 257 Pearl, New York
Mass & Waldstein Co., 92 William, New York
Moore Oil Co., York & McLean av, Cincinnati, O.
Munroe Robt. A. & Co., 25 Pine, New York
National Oil & Supply Co. ("Viscos"), 174 Freylinghuysen av, Newark, N. J.
National Oil Prducts Co., Harrison, N. J.
Nicol J. M. & J. S., N Paterson, N. J.
Pawtucket Mordant Co., Pawtucket, R. I
Providence Drysalters Co., East Greenwich, R. I.
Shaw John & Co., 15 Elkins, S. Boston, Mass.
Sibley Soap Co., Franklin, Pa.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Standard Oil Co. of New York, 555 W 25th, New York
Suter Eugene & Co., 120 B'way, New York
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 165 B'way, New York
Talley Co. ("Talco"), New Richmond, O.
Thomsen Chemical Co., Munsey bldg., Baltimore, Md.
Ulco Oil Co., 65 Hale, Detroit, Mich.
Waverly Oil Works Co., Pittsburgh, Pa
*See adv index at end of book*
Wolf Jacques & Co., Passaic, N. J.

## 10342— Oils (Soya Bean)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
American Trading Co. (Imp.), 25 Broad, New York
American Wood Preserving Co., 1351 N. Branch, Chicago, Ill.
Ayres, Bridges & Co. (Imp.), 200 Summer, Boston, Mass.
Boyer Oil Company, Inc., 25 W. Broadway, New York
Carleton & Moffat (Imp.), 80 Maiden la, New York
Clark Fred G. Co. (Importers), 1081 W 11th, Cleveland, O.
COOK & SWAN CO., INC. (Imp.), 148 Front, New York
*See adv index at end of book*
Crawford Specialty Mfg. Co., Blackstone bldg., Cleveland, O.
Dunn J. T. Co., Inc. (Imp.), 216 Pine, San Francisco, Cal.
*See adv index at end of book*
Eberhart, J. P. & Co., 15 William, New York
Elbert & Company (Imp.), 71 Wall, New York
Francesconi J. C. & Co. (Imp.), 23 Beaver, New York
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Gillespie L. C. & Sons (Imp.), 6 Fletcher, New York
Gough Richard & Co. (Imp.), 69 Wall, New York
Gross Otto (Imp.), 66 Beaver, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Jardine, Matheson & Co. (Imp.), 25 Madison av, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Link D. C. & Co. (Imp.), Produce Exchange, New York
Marden, Orth & Hastings Co. (Imp.), 136 Liberty, New York
Mitsui & Co. (Imp.), 65 B'way, New York
Norden A. & Co. (Imp.), Cotton Exch bldg., New York
Oils Seeds Co., 35 S William, New York
Scheel Wm. H. (Imp.), 159 Maiden la, New York. *See adv index at end of book*
Simmons Thos. W. & Co. (Imp.), 240 California, San Francisco, Cal.
Swan & Finch Co. (Imp.), 165 B'way, New York
Tappenbeck W. (Imp.), 106 Wall, New York
Welch, Holme & Clarke Co., 383 West, New York

## 10343—Oils (Sperm & Whale)

See also Oils, Fish

Baltimore Oil Co., 106 N High, Baltimore, Md.
COOK & SWAN CO., INC. (Imp.), 148 Front, New York
*See adv index at end of book*
Dodd A. W. & Co., Gloucester, Mass.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Nye Wm. F., New Bedford, Mass.
Robinson W. A. & Co., New Bedford, Mass
Swan & Finch Co. (Jobbers), 165 B'way, New York
Young Frank L. Co. ("Youkin"), 111 Purchase, Boston, Mass.

## 10343a— Oils (Sulphonated)

Anchor Color & Gum Wks., Dighton, Mass.
Apex Chemical Co., Inc., 61 Park Row, New York
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Clarendon Refining Co., Clarendon, Pa.
Crew-Levick Co., Land Title bldg., Phila., Pa.
Crystal Oil Works, Oil City, Pa.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Marden, Orth & Hasting Co., 136 Liberty, New York
National Oil Products Co., Harrison, N. J.
New Brunswick Chemical Co., 326 B'way, New York
Paragon Refining Co., (Paragon Top Oil), Toledo, O.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Shaw & Co., John, 15 Elkins, S Boston, Mass.
Sonneborn L. Sons, 262 Pearl, New York
Sunbeam Chemical Co., 198 Pacific av, Jersey City, N. J.
Western Paper Makers Chemical Co., Kalamazoo, Mich.
Wolf Jacques & Co., 369 Harrison, Passaic, N. J.

## 10343b— Oils (Synthetic)

National Aniline & Chemical Co., 21 Burling Slip, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Van Dyk & Co., 6 Platt, New York

## 10343c— Oils (Tallow)

See also Oils, Oleo

Armour & Co., 208 S La Salle, Chicago, Ill.
Burckardt & Co., Cincinnati, O.
Cook & Swan Co., Inc., 148 Front, New York *See adv index at end of book*
Cudahy Packing Co., 11 W Monroe, Chicago, Ill.
Morris & Co., U. S. Yards, Chicago, Ill.
National Oil Products Co., Harrison, N. J.
Swift & Co., Union Stock Yards, Chicago, Ill.

## 10344— Oils (Tanners')

Bradford Oil Co., Inc., Lynn, Mass.
COOK & SWAN CO., INC. (Imp.), 148 Front, New York
*See adv index at end of book*
Houghton E. F. & Co. ("C. L."), 240 W Somerset, Phila., Pa.
Indian Refining Co., 244 Madison av, New York
National Oil Products Co., Harrison, N. J.
National Refining Co., Rose bldg, Cleveland, O.
Ricard-Brewster Oil Co., 110 Orange, Wilmington, Del.
Sonneborn L. Sons ("Amalie" & Greases), 262 Pearl, New York
Vacuum Oil Co. ("Gargoyle, Mobiloils, Mobilubricant"), Rochester, N. Y.
Warren Refining Co., Warren, Pa.

## 10345— Oils (Tar)

Adams Fred C. Co., 118 N La Salle, Chicago, Ill
Chatham Mfg. Co., Savannah, Ga.
Florida Wood Products Co., Jacksonville, Fla.
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
GENERAL NAVAL STORES CO. (Inc.), ("Sunny South"), 90 West, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Mills C. E. Oil Co., Syracuse, N. Y.
National Refining Co., Rose bldg., Cleveland, O.
North Carolina Naval Stores Co., Wilmington, N. C.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Spiritine Chemical Co., Wilmington, N. C.

## 10346— Oils (Tempering)

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Borne-Scrymser Co., 80 South, New York
Climax Refining Co., Williamson bldg, Cleveland, O.

**COOK & SWAN CO., INC.,** 148 Front, New York *See adv index at end of book*
Emery Mfg. Co., Bradford, Pa.
**Empire Oil Works, Oil City, Pa. Works:** Reno, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Houghton E. F. & Co., 240 W Somerset, Phila., Pa.**
Indian Refining Co., 244 Madison av, New York
International Lubricant Co. ("Accrus"), 350 N Clark, Chicago, Ill.
**Penn American Refining Co., Oil City, Pa.**
Pennsylvania Paraffine Wks., Titusville, Pa.
**Pittsburgh Oil Refining Co., Pittsburgh, Pa.**
**Pure Oil Co., Lafayette bldg, Phila., Pa.**
Robinson W. A. & Co. (Sperm & Whale), New Bedford, Mass.
Russia Cement Co., Gloucester, Mass.
**Sinclair Refining Co., Conway bldg., Chicago, Ill.**
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 165 B'way, New York
**TEXAS COMPANY,** 17 Battery pl, New York *See adv index at end of book*
Warren Refining Co., Warren Pa.
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*
Young Frank L. Co. ("Youkin"), 111 Purchase, Boston, Mass.
Zurn O. F. Co., Broad & Lehigh, Phila., Pa.

## 10347— Oils (Tinners')

Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Macneal Jas. B. & Co. ("Oriole"), Warner & Wooster, Baltimore, Md.

## 10348— Oils (Transformer)

Borne-Scrymser Co., 80 South, New York
Climax Refining Co., Williamson bldg, Cleveland, O.
Emery Mfg. Co., Bradford, Pa.
**GENERAL ELECTRIC CO.** ("Transil"), Schenectady, New York
*See adv index at end of book*
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Hunt Edward J. ("Hunt" Oil, Dryer & Purifier), 707 Ordway bldg, Newark, N. J.
**National Refining Co., Rose bldg, Cleveland, O.**
Pennsylvania Paraffine Wks., Titusville, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
**Sinclair Refining Co., Conway bldg., Chicago, Ill.**
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
Sun Company, Finance bldg, Phila., Pa.
**TEXAS COMPANY,** 17 Battery pl, New York *See adv index at end of book*
Tidewater Oil Co., 11 Broadway, New York
Vacuum Oil Co. ("Gargoyle, Mobiloils, Mobilubricants"), Rochester, N. Y.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10349—Oils (Turbine Engine)

Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Borne-Scrymser Co., 80 South, New York
Climax Refining Co., Williamson bldg, Cleveland O.
Emery Mfg. Co., Bradford, Pa.
Galena-Signal Oil Co., Franklin, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Independent Refining Co. (Ltd.), Oil City, Pa.
Indian Refining Co., 244 Madison av, New York
Kellogg E. H. & Co. ("Anti-Friction"), 243 South, New York
**National Refining Co., Rose bldg, Cleveland, O.**
**Penn American Refining Co., Oil City, Pa.**
**Pennsylvania Paraffine Wks., Titusville, Pa.**
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
**Pure Oil Co., Lafayette bldg, Phila., Pa**
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
Swan & Finch Co. ("Bayway", "Excelsior", "Eagle"), 165 B'way, New York
*See adv index at end of book*
**TEXAS COMPANY,** 17 Battery pl, New York *See adv index at end of book*
Tidewater Oil Co., 11 B'way, New York
Vacuum Oil Co. ("Gargoyle, Mobiloils, Mobilubricant"), Rochester, N. Y.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10350— Oils (Typewriter)

Emery Mfg. Co., Bradford, Pa.
Heale J. A. & Co. ("H. & B."), 96 John, New York
Indian Refining Co., 244 Madison av, New York
Miller-Bryant-Pierce Co. ("Diamond"), **Aurora, Ill.**
National Refining Co., Rose bldg, Cleveland, O.
Nye Wm. F. ("Nyoil"), New Bedford, Mass.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
**TEXAS COMPANY,** 17 Battery pl, New York *See adv index at end of book*
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10351— Oils (Valve)

Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Borne-Scrymser Co., 80 South, New York
Climax Refining Co., Williamson bldg, Cleveland, O.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works, Reno, Pa.
Franklin Oil Wks., Franklin, Pa.
Galena-Signal Oil Co., Franklin, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Indian Refining Co., 244 Madison av, New New York
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
**Pittsburgh Oil Refining Co., Pittsburgh, Pa.**
Pure Oil Co., Lafayette bldg, Phila, Pa.
Sinclair Refining Co., Conway bldg., Chicago, Ill.
**TEXAS COMPANY,** 17 Battery pl, New York *See adv index at end of book*
Tidewater Oil Co., 11 B'way, New York
Vacuum Oil Co. (Gargoyle, Mobiloils, Mobilubricant), Rochester, N. Y.
Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10352— Oils (Vegetable)

Alexander H. T. & Co., 17 Battery pl, New York
**COOK & SWAN CO., INC.** (Imp.), 148 Front, New York
Corn Products Refining Co. ("Globe," "Diamond," "Mazola" & "Argo"), 17 Battery pl, New York
Dunn J. T. Co., Inc. (Imp.), 216 Pine, San Francisco, Cal.
*See adv index at end of book*
Elbert & Co. (Imp.), 71 Wall, New York
Fearon Brown Co. (Imp.), 96 Wall, New York
Francesconi J. C. & Co. (Imp.), 23 Beaver, New York
**Fuller Ralph L. & Co., 81 Fulton, New York**
**Fuerst Bros. & Co. (Imp.), 2 Stone, New York**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hartmann Pacific Co., Inc. (Imp.), 80 Wall, New York
**Knapp Edw. J. Candle Co.** (Imp.), Syracuse, N. Y.
**Musher & Co., 140 Liberty, New York**
Nye Wm. F., New Bedford, Mass
Oil Seeds Co., 35 S William, New York
Philippine Vegetable Oil Co. (Imp.), 11 B'way, New York
Pierce Co., East Rochester, N. Y.
Southern Cotton Oil Co., ("Scoco"), 120 B'way, New York
Stern D. S. Co. (Imp.), 46 Davis, San Francisco, Cal.
Suter Eugene & Co., 120 B'way, New York
Union Petroleum Co., Widener bldg, Phila., Pa.

## 10352a— Oils (Virgin)

Musher & Co., 140 Liberty, New York

## 10352b— Oils (Walnut)

Boyer Oil Co., Inc., 25 W Broadway, New York

## Oils Vitriol

See Acid Sulphuric

## 10353—Oils (Waterproofing)

Waverly Oil Works Co., Pittsburgh, Pa.
*See adv index at end of book*

## 10354— Oils (Water-White)

See also Oils, Kerosene

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Advance Oil Co., Oil City, Pa.
American Oil Works (Ltd.), Titusville, Pr.
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Clarendon Refining Co., Clarendon, Pa.
Crew-Levick Co., Land Title bldg., Phila., Pa.
Crystal Oil Works, Oil City, Pa.
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa.
Gulf Refining Co., Frick bldg annex, Pittsburgh, Pa.
Independent Refining Co., Ltd., Oil City, Pa.
Indian Refining Co., 214 Madison av, New York
Malone Oil Co. (Mineral), 2197 E 18th, Cleveland, O.
Mutual Refining Co. (Ltd.), Warren, Pa.
National Refining Co., Rose bldg., Cleveland, O.
Penn American Refining Co., Oil City, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Tidewater Oil Co., 11 Broadway, New York
Union Petroleum Co., Widener bldg, Phila., Pa.
Warren Refining Co., Warren, Pa.

## 10354a—Oils (Wintergreen)

Merck & Co., 45 Park pl, New York

## 10355-6— Oils (Wood)

See also Oils, Pine

Fuerst Bros. & Co. (Imp.), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Marden, Orth & Hastings Co. (Imp. China), 136 Liberty, New York
Newton Chemical Co., Olean, N. Y.
Norden A. & Co. (Imp. China), Cotton Exch. bldg., New York
Paterson, Boardman & Knapp, 10 Bridge New York
Peabody Henry W. & Co., 17 State, New York
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York

## 10357—Oils (Wool & Cordage)

Arabol Mfg. Co. 100 William, New York
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Bradford Oil Co., Inc., Lynn, Mass.
*See adv index at end of book*
Central Refining Co. (Cordage), Lawrenceville, Ill.
Crew-Levick Co., Land Title bldg, Phila., Pa.
Emery Mfg. Co., Bradford, Pa.
Fancourt W. F. & Co., Inc., 516 S. Delaware, Phila., Pa.

OILS (WOOL & CORDAGE)—continued

**Gulf Refining Co.** (Cordage), Frick bldg annex, Pittsburgh, Pa.
Houghton E. F. & Co. 240 W. Somerset, Phila., Pa.
National Oil Products Co. Harrison, N. J.
Penna. & Del. Oil Co. (Cordage), 90 West, New York
Pennsylvania Paraffine Wks., Titusville, Pa.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Sonneborn L. Sons, Inc., 262 Pearl, New York.
Standard Oil Co. of N. Y. ("Sacony"), 555
Swan & Finch Co. (Economic), 165 B'way, New York
Union Petroleum Co., Widener bldg, Phila., Pa.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co. (Cordage), Pittsburgh, Pa. *See adv index at end of book*
Wolf Jacques & Co. 369 Harrison, Passaic, N. J.

## 10357a—Oils (Worm Gear)

**COOK & SWAN CO., INC.** ("N. B. C."), Brand Castor Worm Gear), 148 Front, New York *See adv index at end of book*

## 10358— Oleates

National Oil Products Co., Harrison, N. J.
Scheel Wm. H. (Imported), 159 Maiden la, New York
*See adv index at end of book*

## 10359— Oleine

Bosson & Lane, Atlantic, Mass.

## 10360— Oleum

Atlas Powder Co., (20%-30%-40%-60%-70% & 80% free S. O. 3), 104 N Broad, Phila., Pa. *See adv index at end of book.*
Butterworth-Judson Corp., 61 B'way, New York *See adv index at end of book*
Contact Process Co., Buffalo, N. Y.

## 10361— Onyx Importers

Grace Wm., 123 Liberty, New York
Jackson C. D. & Co., 105th & E R, New York
Tompkins, Kiel Marble Co., 505 5th av, New York

## 10362— Onyx Workers

Christa Marble Co., 1625 St. Aubin, Detroit, Mich.
Klaber S. & Co., 21 W 39th, New York
Lautz Co., Buffalo, N. Y.
McGratty & Sons, 313 Butler, Brooklyn, N. Y.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
Standard Marble Works, 706 Front, Cincinnati, O.
Theis Peter Sons, 636 1st av, New York

## 10363— Openers (Bottle)

**Arcade Mfg. Co.** ("Champion" Wire Cutter & Crown Seal Remover), Freeport, Ill.
Berk Bros. (Imp.), 543 Broadway, New York
Bulman E. O. Mfg. Co., Grand Rapids, Mich.
**Erie Specialty Co.** ("Quick & Easy"), 520 W 12th, Erie, Pa.
Farrell W. J., 325 Washington, New York
**Flagg Stanley G. & Co., Morris bldg, Phila., Pa.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Jenkinson R. C. & Co. (Wire Bottle Cap Removers), 293 Washington, Newark, N. J.**
**K. & O. Company, 366 Butler, Brooklyn, N. Y.**
**Reading Saddle & Mfg. Co. (For Cap Bottles), Reading, Pa.**
**Ryede Specialty Works ("Ideal Crown"), Rochester, N. Y.**
**Stephens, Windsor & Co. ("Open Close," "Milk Bottle," "Open & Stopper," "Dainty" Cap Remover Handle), Waltham, Mass.**
**Vaughan Novelty Mfg. Co. ("Vaughan's Never Chip" Stationary Crown), 711 Fulton, Chicago, Ill.**
Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*

## Openers (Box)

See Chisels, Box Openers

## 10364— Openers (Can)

American Cutlery Co. ("The Only"), 764 Mather, Chicago, Ill.
Andrews Wire & Iron Works ("Androck"), Rockford, Ill.
**Arcade Mfg. Co. (Steel Blade, Wood Handle), Freeport, Ill.**
Berk Bros., 543 Broadway, New York
**Bradley & Farnham ("Dandy," "Ever Ready," "Excelsior," "Hercules," "Little Giant," "Peerless"), Middlefield, Conn.**
Browne W. G. Mfg. Co. ("The Best"), "None Such," "I. X. L.," "Shear Cut Clipper," "Keen O," etc), Kingston, N. Y.
**Browne & Dowd Mfg. Co. ("Never-Slip," "XXX," "Diamond," "Crescent," "Sprague," "King" & "Star," with Corkscrew), Meriden, Conn.**
**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**
Bullock Mfg. Associates, Springfield, Mass.
**Cassady Fairbank Mfg. Co. ("Supreme," "Buckeye," "Trinity"), 6126 S La Salle, Chicago, Ill.**
Crescent Mfg. Co., Fremont, O.
**Cronk & Carrier Mfg. Co. ("Perfect"), 150 Lake, Elmira, N. Y.**
*See adv index at end of book*
Dover Stamping & Mfg. Co. ("Never Slip Monarch"), Cambridge, Mass.
**Ellis Mfg. Co. ("Dandy," "Ever Ready," "Excelsior," "Hercules," "Little Giant"), Milldale, Conn.**
Fletcher, Terry Co. ("Sprague"), Forestville, Conn.
General Phonograph Corp., 25 W. 45th ("Columbia"), New York
**Goodell Co. ("Acme" & "Ferren" Machines), Antrim, N. H.**
**Graef & Schmidt ("Twin Brand"), 107 Chambers, New York**
**Graham John H. & Co. ("Peerless" "Delmonico"), 113 Chambers, New York**
Grey Iron Casting Co., Mt. Joy, Pa.
**Hamblin & Russell Mfg. Co. ("Ideal"), Worcester, Mass.**
**Handy Things Mfg. Co. ("Handy"), Ludington, Mich.**
**Knickerbocker Mfg. Co. ("20th Century"), Belleville, N. J.**
**Kraeuter & Co., 583 18th av, Newark, N. J.**
**Landers, Frary & Clark, New Britain, Conn.**
Lo Vis Co., Kalamazoo, Mich.
**Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.**
**Nicol & Co. ("I. X. L."), 218 N Jefferson, Chicago, Ill.**
Ontario Knife Co., Franklinville, N. Y.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
**Parker Wire Goods Co. ("Ideal"), Worcester, Mass.**
**Reading Saddle & Mfg. Co. ("Reading") Reading, Pa.**
**Richard Stephen Co. ("S. R."), Southbridge, Mass.**
**Rockford Metal Specialty Co. (Rotary Circular), Rockford, Ill.**
**Rocky Hill Hardware Co., Rocky Hill, Conn.**
S. & I. Co., Springfield, Mass.
Sargent & Co., New Haven, Conn.
**Schatz Mfg. Co. ("Acme," "Kan Kut"), Poughkeepsie, N. Y.**
**Sperry & Alexander Co. ("Centaur" Openers & Key Hooks), 79 Chambers, New York**
**Streeter N. R. & Co. ("Tip-Top," "Streeter's," "New Sprague," "American"), Rochester, N. Y.**
Taplin Mfg. Co., New Britain, Conn.
**Taylor Mfg. Co. ("Yankee," "Nifty" & "Little Gem" Can & Bottle Opener), Hartford, Conn.**
**Universal Specialty Co. (Locking), 33 E Kinney, Newark, N. J.**
**White Ira F. & Son ("Sure Cut", "Woods," "Midget," "Bull Dog" Can & Bottle), Bloomfield, N. J.**
**Wrightsville Hardware Co. ("Hopper"), Wrightsville, Pa.**

## 10365—Openers (Casement)

**Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.**
Ellison Brass Mfg. Co., Jamestown, N. Y.

## 10366—Openers (Cigar Box)

**Amer. Cutlery Co., 764 Mather, Chicago, Ill.**
Arcade Mfg. Co., Freeport, Ill.
**Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.**
**Nicol & Co., 218 N Jefferson, Chicago, Ill.**
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.

## Openers (Crate)

See Chisels, Box Openers

## 10367— Openers (Egg)

Taplin Mfg. Co. ("Champion"), New Britain, Conn.

## Openers (Fruit Jar)

See Wrenches, Fruit Jar

## 10367a—Openers (Garage Door)

Allith Prouty Co. ("Electromatic"), Danville, Ill.

## 10368— Openers (Letter)

American Cutlery Co., 764 Mather, Chicago, Ill.
Atwater S. I., 101 Lafayette, New York
Celluloid Co., 36 Wash. pl, New York
Curtis Albert B., Worcester, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hart H. C. Mfg. Co., Unionville, Conn.
Lightning Letter Opener Co. ("Lightning"), Rochester, N. Y.
Mihil & Allegretti, Geneva, N. Y.
Mossberg Frank Co. ("Mossberg" Advertising), Attleboro, Mass.
National Cutlery Co. (Nickeled Steel), Westmoreland & Boudinot, Phila., Pa.
Novelty Cutlery Co., Canton, O.
O. K. Mfg. Co. (Ries "O. K."), Syracuse, N. Y.
Tiley, Pratt Co. (Bone), Essex, Conn.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.

## 10369—Openers (Sash Ventilator for Cars)

See also Adjusters, Casement

Wallace Supplies Mfg. Co. ("Wallace Deck"), 412 Orleans, Chicago, Ill.

## 10369a—Openers (Spring Leaf)

West Haven Mfg. Co. ("West Haven"), West Haven, Conn.

## 10370—Opera Chairs & Assembly Seating

Allen Chair Co., Concord Junction, Mass.
American Seating Co., 14 E Jackson blvd, Chicago, Ill.
Andrews A. H. Co., 107 S Wabash av, Chicago, Ill.
Hardesty Mfg. Co., Dover, O.
Harwood's H. J. Sons, 107 Friend, Boston, Mass.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Minneapolis Office & School Furniture Co., 301 S E 8th, Minneapolis, Minn.
Peabody School Furniture Co., North Manchester, Ind.
Readsboro Chair Co., Readsboro, Vt.
Stafford E. H. Mfg. Co., 218 S Wabash av, Chicago, Ill.

## 10371— Ophthalmoscopes

Fowler E. S., 31 State, Chicago, Ill.
General Optical Co., 650 E 42d, New York
Spencer Optical Co., 5 Maiden la, New York

## 10372—Optical Goods Mfrs.

See also Lenses

**American Optical Co., Southbridge, Mass.**
**Bausch & Lomb Optical Co., Rochester, N. Y.**
**Bay State Optical Co. ("Besto" Gold Filled Eye Glass Frames, Eye Glass Chains, etc), Attleboro, Mass.**
Brown D. V., 738 Sansom, Phila., Pa.
Central Optical Co., Southbridge, Mass.
Crown Optical Co., Rochester, N. Y.
**Du Paul, Young Optical Co., Southbridge, Mass.**
**Empire Optical Co., Rochester, N. Y.**
General Optical Co., 50 E 42d, New York
**Gundlach-Manhattan Optical Co., Rochester, N. Y.**
**Hope Bros., Knoxville, Tenn.**
**Johnston Optical Co., 66 State, Detroit, Mich.**
**Kirby G. J. Co., Willimantic, Conn.**
Kirstein E. Sons Co., Rochester, N. Y.
Leominster Shell Goods Mfg. Co. (Celluloid), Leominster, Mass.
Lowres G. J. & Co. (Spectacle & Eye Glass Frames & Mountings), 344 Mulberry, Newark, N. J.
Martin-Copeland Co., 101 Salem, Providence, R. I.
Mayer Geo. & Co., 728 Sansom, Phila., Pa.
Michigan Optical Co., 83 Beacon, Detroit, Mich.
**Mohr R. & Sons, San Francisco, Cal.**
New Era Optical Co., 123 W Madison, Chicago, Ill.
New Jersey Optical Co., 91 Runyon, Newark, N. J.
**Optical Specialty Mfg. Co., Southbridge, Mass.**
**Pennsylvania Optical Co., Reading, Pa.**
Reisner W. H. Mfg. Co. (Specialties), Hagerstown, Md.
Riggs Optical Co., Omaha, Neb.
Spencer Optical Co., 5 Maiden la, New York
Standard Optical Co., Geneva, N. Y.
Western Optical Co., Pacific bldg, San Francisco, Cal.
White-Haines Optical Co., Columbus, O.
Williams, Brown & Earle, 918 Chestnut, Philadelphia, Pa.
Wilson Goggle, Inc., Reading, Pa.
Wollensack Optical Co., Rochester, N. Y.

## 10372a— Orange (Mineral)

Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.

## 10373—Ordnance (Light & Heavy)

Bay City Forge Co., 1820 Cranberry, Erie, Pa.
**Bethlehem Steel Co. (Of All Calibres), South Bethlehem, Pa.**
**Colts Patent Fire Arms Mfg. Co. (Rapid Fire Machine Guns), Hartford, Conn.**
Driggs Ordinance & Mfg. Corp'n (Rapid Fire Machine Guns), New Haven, Conn.
**General Ordnance Co., Derby, Conn.**
**Maxim Munitions Corpn., Equitable bldg., New York**
Midvale Steel & Ordnance Co. (Coast Defense, Field & Naval Guns & Mountings), Widener bldg, Phila., Pa.
Savage Arms Corp. ("Lewis" Machine Guns), Utica, N. Y.
U. S. Machine Gun Co., Meriden, Conn.
**Watervliet Arsenal, Watervliet, N. Y.**

## 10374— Ore (Emery)

**Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.**

## Ore Trestles & Tipples (Steel)

See Tipples, Mine

## 10375— Ores (Aluminum)

**Aluminum Ore Co., East St. Louis, Ill.**
**Earle E. P., 165 B'way, New York**
**Seligman Arthur, 165 B'way, New York**

## 10376— Ores (Antimony)

**Beer, Sondheimer & Co., Inc. (Selling Agents), 61 B'way, New York**
**Earle E. P., 165 B'way, New York**
**Foote Mineral Co. (Imp.), 107 N 19th Phila., Pa.**
**Fuerst Bros. & Co., 2 Stone, New York**
General Commercial Co., Ltd., of U. S. (Imp.), 295 B'way, New York
**Gross Otto (Imp.), 66 Beaver, New York**
**Philipp Bros. (Imp.), 29 B'way, New York**
**Seligman Arthur, 165 B'way, New York**

## 10377— Ores (Bauxite)

General Commercial Co., Ltd., of U. S. (Imp.), 295 B'way, New York
Lennig Chas. & Co., 112 S Front, Phila., Pa.

## 10378— Ores (Bismuth)

**Earle E. P., 165 B'way, New York**
Industrial Minerals Co., Inc., 525 Phelan, San Francisco, Cal.
**Philipp Bros. (Imp.), 29 B'way, New York**
**Seligman Arthur (Imp), 165 B'way, New York**

## 10379— Ores (Chrome)

American Refractories Co. (Ground), Union Arcade bldg, Pittsburgh, Pa.
Betts Anson G. & Co., Ashville, N. C.
**DAFT A. C. (Mfrs.' Agent), Oliver bldg, Pittsburgh, Pa.**
*See adv index at end of book*
Federal Refractories Co., Cleveland, O.
**Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.**
Harbison-Walker Refractories Co. (For Basic Open-Hearth Furnaces, etc), Farmers' Bank bldg, Pittsburgh, Pa.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
**Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.**
**LEAVITT C. W. & CO., 34 Church, New York** *See adv index at end of book*
National Sales & Trading Co., Cleveland, O.
**SAMUEL FRANK, Harrison bldg, Phila., Pa.** *See adv index at end of book*
**Tennant C. Sons & Co. of N. Y. (Imp.), 100 William, New York**
U. S. Nickel Co. (New Caledonian Imptr), New Brunswick, N. J.

## 10380-1— Ores (Copper)

American Metal Co., 61 B'way, New York
Beer, Sondheimer & Co., Inc. (Selling Agents), 61 B'way, New York
Bell Copper Co., 681 Market, San Francisco, Cal.
Calumet & Hecla Mining Co., Calumet, Mich.
**Ducktown Sulphur, Copper & Iron Co. (Mattes), Isabella, Tenn.**
**Earle E. P., 165 B'way, New York**
General Commercial Co., Ltd., of U. S. (Imp.), 295 B'way, New York
**Huff Electrostatic Separator Co. (With Heavy Ganguls), 60 India, Boston Mass.**
**Irvington Smelting & Refining Works, Irvington, N. J.**
**LEAVITT C. W. & CO., 34 Church, New York** *See adv index at end of book*
Mitsui & Co. (Imp.), 65 B'way, New York
**Mountain Copper Co. (Ltd.), 332 Pine, San Francisco, Cal.**
North American Copper Co., 52 Vanderbilt av, New York
Philipp Bros. (Imp.), 29 B'way, New York
Seligman Arthur, 165 B'way, New York
Stevenson D. S. Co., 1st National Bk. bldg, San Francisco, Cal.
**Tottenville Copper Co., Bedell, Tottenville, N. Y.**
U. S. Metals Refining Co., 61 B'way, New York
United States Smelting, Refining & Mining Co., 55 Congress, Boston, Mass.
Vogelstein L. & Co., 42 B'way, New York

## 10382— Ores (Gold)

**Irvington Smelting & Refining Works, Irvington, N. J.**
**LEAVITT C. W. & CO., 34 Church, New York** *See adv index at end of book*
**Philipp Bros. (Imp.), 29 B'way, New York**
Round Mountain Mining Co., Montgomery, San Francisco, Cal.
U. S. Metals Refining Co., 61 B'way, New York
United States Smelting, Refining & Mining Co., 55 Congress, Boston, Mass.

## 10383— Ores (Iron)

Addy Matthew Co., 1st Natl. Bank bldg, Cincinnati, O.
**Allebheny Ore & Iron Co., Buena Vista, Va.**
**Beer, Sondheimer & Co., Inc. (Selling Agents), 61 B'way, New York**
Betts Anson G. & Co., Asheville, N. C.
**Benson Mines Co. (Miners), Benson Mines, St. Lawrence Co., N. Y.**
Biwabik Mining Co., Youngstown, O.
Breitung E. N. & Co., Rockfeller bldg., Cleveland, O.
**Brown Mining Co., Cardiff, Tenn.**
**Cheever Iron Ore Co., Port Henry, N. Y.**
**Citico Furnace Co., Chattanooga, Tenn.**
**Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, O.**
**Cornwall Ore Bank Co. (Miners), Cornwall, Pa.**
Corrigan, McKinney & Co., Cleveland, O.
Cuyuna Minneapolis Iron Co. (Magoniferous), 514 Plymouth bldg, Minneapolis, Minn.
**Davidson Ore Mining Co., White bldg, Buffalo, N. Y.**
Debevoise-Anderson Co., 56 Liberty, New York
**Dover Iron Co., Bear Spring, Tenn.**
**Earle E. P., 165 B'way, New York**
**Empire Steel & Iron Co., Catasauqua, Pa.**
Fairbank & Co., Wade bldg, Cleveland, O.
**Florence Iron Co. of Wisconsin, 25 Broad, New York**
**Fort Henry Mining Co., Cleveland, O.**
Hanna M. A. & Co., Leader News bldg., Cleveland, O.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Iron & Ore Corp. (Imp.), 17 Broadway, New York
**Lafollette Coal & Iron Co., Lafollette, Tenn.**
**Lake Erie Ore Co., Rockefeller bldg, Cleveland, O.**
**Le Belle Iron Works, Steubenville, O.**
**Lea J. Tatnall & Co., St. Girard bldg, Phila., Pa.**
**LEAVITT C. W. & CO. (Agents), 34 Church, New York**
*See adv index at end of book*
**Loretto Iron Co., 1400 Fulton, Chicago, Ill.**
**Mahoning Ore & Steel Co., Widener bldg, Phila., Pa.**
**McKinney Steel Co., Perry Payne bldg, Cleveland, O.**
**Mineral Mining Co., Milwaukee, Wis.**
**Napier Iron Works, Nashville, Tenn.**
**Naylor & Co., 120 B'way, New York**
**Newport Mining Co., Milwaukee, Wis.**
Northern Iron & Steel Co., Drexel bldg., Phila., Pa.
Oglebay, Norton & Co., Wade bldg, Cleveland, O.
**Penn Iron Mining Co., Phila., Pa.**
**Pewabic Co., Milwaukee, Wis.**
**Pickands, Brown & Co., 332 S. Michigan av, Chicago, Ill.**
Pickands, Mather & Co., Western Reserve bldg, Cleveland, O.
**Pilling & Crane (Agent), Real Estate bldg, Phila., Pa.**
**Port Henry Iron Ore Co., 2 Rector, New York**
Reserve Mining Co., Cleveland, O.
**Rogers-Brown Iron Co., Erie County Bk. bldg, Buffalo, N. Y.**
**SAMUEL FRANK, Harrison bldg, Phila., Pa.** *See adv index at end of book*
**Shenango Furnace Co. (Bessemer & Non-Bessemer), Oliver bldg, Pittsburgh, Pa.**
**Snyder W. P. & Co. (Bessemer & Non-Bessemer), Oliver bldg, Pittsburgh, Pa.**
**Spring Valley Iron Co., Wellston, O.**
**Tod-Stambaugh Co., 601 Perry-Payne, Cleveland, O.**
**Witherbee Sherman & Co., 2 Rector, New York**
**Wittman N. B. & Co. (Imp. of Spanish Ore), Commercial Trust bldg, Philadelphia, Pa.**

## 10384— Ores (Lead).

**Cerro Gordo Mines Co., 1st Natl. Bk. bldg, San Jose, Cal.**
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
**Earle E. P., 165 B'way, New York**
**Irvington Smelting & Refining Works, Irvington, N. J.**
**Philipp Bros. (Imp.), 29 B'way, New York**
Seligman Arthur, 165 B'way, New York
United States Smelting, Refining & Mining Co., 55 Congress, Boston, Mass.
**Vogelstein L. & Co., 42 B'way, New York**

## 10384a— Ores (Lithium)

Foote Mineral Co., 107 N 19th, Phila., Pa.

## 10385— Ores (Magnesite)

American Refractories Co., Union Arcade bldg, Pittsburgh, Pa.
Federal Refractories Co., Cleveland, O.
Foote Mineral Co., 107 N 19th, Phila., Pa.
Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.

## 10386— Ores (Manganese)

Beer, Sondheimer & Co., Inc. (Selling Agents), 61 B'way, New York
Betts Anson G. & Co., Asheville, N. C.
Doggett Stanley (Jobbers), 11 Cliff, New York
Earle E. P., 165 B'way, New York
Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Iron & Ore Corp. (Imp.), 11 B'way, New York
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Lavino E. J. & Co. (Lump & Ground), Bullitt bldg, Phila., Pa.
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
Marshall E. E., Bullitt bldg, Phila., Pa.
Naylor & Co., 120 B'way, New York
**SAMUEL FRANK**, Harrison bldg, Phila., Pa. *See adv index at end of book*
Seligman Arthur, 165 B'way, New York
Stanby's Creek Manganese & Iron Co. (Miners), Marion, Va.
Tennant C. Sons & Co. of N. Y. (Imp.), 100 William, New York

## 10387—Ores (Molybdenum)

Earle E. P., 165 B'way, New York
Foote Mineral Co., 107 N 19th, Phila., Pa.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Mineral Product Mfg. Co., Wilmington, Del.
Philipp Bros. (Imp.), 29 B'way, New York
Seligman Arthur, 165 B'way, New York
Vanadium Corp. of Am., Equitable bldg., New York

## 10388— Ores (Platinum)

Irvington Smelting & Refining Works, Irvington, N. J.
Vogelstein L. & Co., 42 B'way, New York

## 10389— Ores (Purple)

Pennsylvania Salt Mfg. Co. (In Bulk, Free from Phosphorus, Nodulized Free from Phosphorus), Widener bldg, Phila., Pa.

## 10390— Ores (Pyrites)

Arminius Chemical Co., 44 Pine, New York
Binswanger H. P., 7 W 16th, New York
Davis Sulphur Ore Co. (Imp.), 65 Wall, New York
Earle E. P., 165 B'way, New York
Grasselli Chem. Co., Guardian bldg, Cleveland, Ohio
International Silica Co., Cairo, Ill.
Iron & Ore Corp. (Imp.), 11 B'way, N. Y.
Lavino E. J. & Co. (Imp.), Bullitt bldg, Phila., Pa.
**LEAVITT C. W. & CO.**, 34 Church, New York *See adv index at end of book*
Lennig Chas. & Co., 112 S Front, Phila., Pa.
Naylor & Co., 120 B'way, New York
Northern Ore Co., Edwards, N. Y.
Rand Consolidated Mines, Ltd., 853 Ellicott sq, Buffalo, N. Y.
St. Lawrence Pyrites Co., De Kalb Junction, N. Y.
Seligman Arthur, 165 B'way, New York

## 10390a— Ores (Rare)

See also Minerals, Rare

American Metal Co., 61 B'way, New York
Foote Mineral Co., 107 N 19th, Phila., Pa.
Leavitt C. W. & Co., 220 B'way, New York *See adv index at end of book*
Willmarth O. Barlow, Montrose, Colo.

## 10391— Ores (Red)

Pennsylvania Salt Mfg. Co. (For Gas Purification), Widener bldg, Phila., Pa.

## 10392— Ores (Silica)

Industrial Minerals Co., Inc., 525 Phelan, San Francisco, Cal.
International Silica Co., Cairo, Ill.

## 10392a— Ores (Strontium)

Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.

## 10393— Ores (Sulphur)

Grasselli Chem. Co. ("Arminius"), Guardian bldg, Cleveland, Ohio
Ledoux Augustus D. (Imp.), 15 William, New York

## 10393a— Ores (Tantalum)

Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.

## 10393b— Ores (Thorium)

Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.

## 10393c— Ores (Titanium)

American Rutile Co., 622 F N W, Washington, D. C.

## 10394— Ores (Tungsten)

American Metal Co., 61 B'way, New York
Atkins, Kroll & Co., 260 California, San Francisco, Cal.
**DAFT A. C.**, Mfrs. Agent, Oliver bldg., Pittsburgh, Pa. *See adv index at end of book*
Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.
Earle E. P., 165 B'way, New York
Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.
Iron & Ore Corp (Imp.), 11 B'way, New York
Mineral Product Mfg. Co., Wilmington, Del.
Norden A. & Co. (Imp.), 60 Beaver, New York
Philipp Bros. (Imp.), 29 B'way, New York
Seligman Arthur, 165 B'way, New York
Taborga Rafael (Miners & Imp.), 233 B'way, New York
Vogelstein L. & Co., 42 B'way, New York

## 10395— Ores (Uranium)

Earle E. P., 165 B'way, New York
Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.
Philipp Bros. (Imp.), 29 B'way, New York

## 10396— Ores (Vanadium)

Earle E. P., 165 B'way, New York
Foote Mineral Co. (Imp.), 107 N 19th, Phila., Pa.
Philipp Bros. (Imp.), 29 B'way, New York

## 10397— Ores (Zinc)

American Metal Co., 61 B'way, New York
American Zinc, Lead & Smelting Co., 120 B'way, New York
Beer, Sondheimer & Co. (Selling Agents), 61 B'way, New York
Cerro Gordo Mines Co., San Jose, Cal.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Earle E. P., 165 B'way, New York
Northern Ore Co., Edwards, N. Y.
Seligman Arthur, 165 B'way, New York
Wright, Faber & Co., Inc., 43 Exchange pl, New York

## 10398— Ores & Mattes

American Metal Co., 61 B'way, New York
Earle E. P., 165 B'way, New York
Philipp Bros. (Imp.), 29 B'way, New York
Vogelstein L. & Co., 42 B'way, New York

## 10399— Organs

Marked thus (*) indicates Pipe
Marked thus (§) indicates Cabinet Reed

Adler Mfg. Co., Louisville, Ky.
§Aeolin Co., 29 W 42d, New York
*Austin Organ Co. ("Austin"), Hartford, Conn.
Baldwin Co., 142 W 4th, Cincinnati, O.
Bates & Culley, 1740 S 19th, Phila., Pa.
Beckwith Organ Co., Louisville, Ky.
*Bennett Organ Co., Rock Island, Ill.
§Bent Geo. P. Co., 214 S Wabash, Chicago Ill.
§Bilhorn Bros., 136 W Lake, Chicago, Ill.
§Cable Co., 301 S Wabash av, Chicago, Ill.
Cable Piano Co., 137 W 4th, Cincinnati, O.
*Casavant Bros., South Haven, Mich.
§Chase A. B. Co., Norwalk, O.
Chute & Butler Co., Peru, Ind.
Clark, Melville Piano Co., 25 E Jackson bldg., Chicago, Ill.
§Clough & Warren Co., 84 Broadway, De-
Coburn Organ Co. (Pipe), 220 N Washtenaw av, Chicago, Ill.
Cole James Co., Melrose, Mass.
*DeCourcy A. B. & Co., 634 Harrison av, Boston, Mass.
Eifert & Stochr, 920 2d av, Long Island City, N. Y.
*Eifler Christopher, Darby, Pa.
Estey Organ Co., Brattleboro, Vt.
*Felgemaker A. B. Erie Organ Co., Erie, Pa.
Foley & Williams Piano Co., 19 W Jackson blvd, Chicago, Ill.
*Haskell Chas. S., 1520 Kater, Phila., Pa.
*Hausmann Otto & Co., 1208 Kinnekinnic, Milwaukee, Wis.
Hillgreen, Lane & Co., Alliance, O.
§Hinners Organ Co., Pekin, Ill.
Hohner M., 114 E 16th, New York
*Hook & Hastings Co., Kendal Green, Mass.
Howard Emmons Organ Co., Westfield, Mass.
§Hughes & Son Piano Mfg. Co., Foxcroft, Me.
Hutchings Organ Co., 435 Albemrl rd, Boston, Mass.
Ingersoll Construction Co., 324 4th av, Pittsburgh, Pa.
Jackson Organ Co., Burlington, Ia.
Jansen & Joosten, Flanagan, Ill.
*Jones David, Jersey City, N. J.
*Kilgen Geo. & Sons, 3825 Laclede av, St. Louis, Mo.
Kimball, Smallman & Frazee Organ Co., 101 B'way Ext., Boston, Mass.
*§Kimball W. W. Co., 304 S Wabash av, Chicago, Ill.
*§Lyon & Healy, 245 S Wabash av, Chicago, Ill.
Marr-Colton Organ Co., Warsaw, N. Y.
*Midmer Reuben & Son, 375 Fulton, Brooklyn, N. Y.
§Miller Organ & Piano Co., Lebanon, Pa.
§Moller M. P., Hagerstown, Md.
Morey Clarence, E Utica, N. Y.
Needham Piano Co., 520 W. 48th, New York
§Newman Bros. Co., 806 Dix, Chicago, Ill.
*Odell J. H. & C. S. & Co., 409 W 42d, New York
*Odell Wm. H., 407 W 42d, New York
§Packard Piano Co., Fort Wayne, Ind.
Palm E. E., Mount Penn, Pa.
Peterson J. Co., Moline, Ill.
*Pilcher's Henry Sons, Louisville, Ky.
§Putnam W. W. & Co., Staunton, Va.
Reed Geo. W. & Son, West Boylston, Mass.
Schaaf Adam, 700 W Madison, Chicago, Ill.
Schantz A. J. Sons & Co., Orrville, O.
§Seybold Piano & Organ Co., Elgin, Ill.
Shipman Organ Co., High Point, N. C.
§Shoninger B. Co., New Haven, Conn.
Skinner Ernst M. Co., 215 Sydney, Boston, Mass.
*Smith Organ Co., North Tonawanda, N. Y.
*Steere John W. & Son Organ Co., Springfield, Mass.
*Stein Adam, 5 N Green, Baltimore, Md.
*§Stevens Organ & Piano Co., Marietta, O.
Swan S. N. & Sons, Freeport, Ill.
*Tellers-Kent Organ Co., Erie, Pa.
*Van Dinter Louis H. & Son, Mishawaka, Ind.
Viner & Son, 1371 Niagara, Buffalo, N. Y.
§Votey Organ Co., 29 W 42d, New York
*Votteler Henry J. & Son, 37 Arcade, Cleveland, O.
White A. L. Mfg. Co., 215 Englewood av, Chicago, Ill.
Whitney & Currier Co., Toledo, O.
*Wicks Pipe Organ Co., Highland, Ill.
§Wilcox & White Co., Meriden, Conn.
§Williams Piano & Organ Co., 14 W Washington, Chicago, Ill.
*Wirsching Peloubet Co., Salem, O.

## 10400—Organs (Mechanical)

Autophone Co., Ithaca, N. Y.

## 10401—Organs (Military Band)

Dentzel William H., 3641 Gtn av, Phila., Pa.

Niagara Musical Instrument Co. (Automatic), N Tonawanda, N. Y.
North Tonawanda Musical Instrument Wks., N Tonawanda, N. Y.
Parker C. W., Leavenworth, Kans.
Wurlitzer Rudolph Co., 117 E 4th, Cincinnati, O.

## 10402—Ornamental Brass & Bronze

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Manton & Smith Co., 1709 W Austin av, Chicago, Ill.

## 10403—Ornaments (Candy & Cake Box)

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Ludwig A. & Co., 75 Spring, New York

## 10404—Ornaments (Clock)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## 10405-6-7— Ornaments (Composition)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Buehner A. Decorators' Supply Co., St. Louis, Mo.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Detroit Decorative Supply Co., 812 14th, Detroit, Mich.
Emmel Chas. & Rose Co. (Papier Mache Compo Staff, Plaster, etc), 383 Albany, Boston, Mass.
Emmel Company, 81 Bristol, Boston, Mass.
Jennens W. H. Co., 1811 Baltimore av, Kansas City, Mo.
Meislahn C. F. & Co., 19 Clay, Baltimore, Md.
National Plastic Relief Co., 330 Main, Cincinnati, O.
Plastic Relief Mfg. Co., 1959 Fulton, Chicago, Ill.
Root C. R., Hartford, Conn.
Schneider F. H., 631 W Belden av, Syracuse, N. Y.
Seifert Frank A. Plastic Relief Co., 2627 Dayton, St. Louis, Mo.
P. B. & H. Moulding Co., Syracuse, N. Y.
Walter G. E., 157 E 44th, New York
Waterbury Button Corporation, 831 S Main, Waterbury, Conn. *See adv index at end of book*
Western Builders Supply Co. (Exterior), 135 2nd, San Francisco, Cal.

## Ornaments (Fence)

See Rosettes & Pickets, Iron; also Rosettes & Pickets, Steel

## 10408—*Ornaments (Gable)

See also Ornaments, Sheet Metal
**EDWARDS MFG. CO.**, 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*

## 10409—Ornaments (Harness)

Colgan J. W. Co., Sudbury bldg, Boston, Mass.
Duranoid Mfg. Co. (Rings, Rosettes, etc), 213 Chestnut, Newark, N. J.
Reynold-Zahn Co., 46 Mechanic, Newark, N. J.

## 10410— Ornaments (Lead)

National Lead Co., 111 B'way, New York

## 10411-2— Ornaments (Plastic)

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Berger H. Sons, 346 E 34th, New York
Betkouskie Martin F., Los Angeles, Cal.
Buehner A. Decorators' Supply Co., St. Louis, Mo.
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
Detroit Decorative Supply Co., 812 14th, Detroit, Mich.
Dini Geo. L., 483 Baltic, Brooklyn, N. Y.
Duchemin Geo. W., 37 Wainwright, Newark, N. J.
Eastman Plastic Relief Co., 23rd & Dickson, St. Louis, Mo.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
Emmel Company, 81 Bristol, Boston, Mass.
Farley W. E. & Bro., 3635 Market, Phil., Pa.
Harnisch Adolph A. (Stucco), Syracuse, N. Y.
Jennens W. H. Co., 1811 Baltimore av, Kansas City, Mo.
Klee-Thomson Co., 327 E 40th, New York
National Plastic Relief Co., 330 Main, Cincinnati, O.
Plastic Relief Mfg. Co., 1959 Fulton, Chicago, Ill.
Root C. R., Hartford, Conn.
P. B. & H. Moulding Co., Syracuse, N. Y.
Schneider F. H., 631 W Belden av, Syracuse, N. Y.
Seifert F. A. Plastic Relief Co., 2627 Dayton, St. Louis, Mo.
Tognarelli & Voigt Co., 1743 N 12th, Phila., Pa.
Walter G. E., 157 E 44th, New York
Western Builders Supply Co. (Fine), 135 2nd, San Francisco, Cal.

## 10413—Ornaments (Sheet Metal)

Braun J. G., 609 S Paulina, Chicago, Ill.
**EDWARDS MFG. CO.** (Stamped), 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*
Fargo Cornice & Ornament Co., Fargo, N. D.
Foster Sheet Metal Co., Springfield, Ill.
Frand M. J. & Co., Camden, N. J.
Friedley-Voshardt Co. (Inc.), 733 S Halsted, Chicago, Ill.
Gara, McGinley Co., 23 S 17th, Phila., Pa
Gerock Bros. Mfg. Co. (Zinc & Copper), 1252 S Vandeventer av. St. Louis, Mo.
Hergert Theo. E. (For Cornices, etc), 422 E 53rd. New York
Jones Thos. W., 153 Maiden Lane, New York
Kelly Wm. J., 446 Adelphi, Brooklyn, N. Y.
Manrow Sheet Metal Works, Goshen, Ind.
Michigan Hdw. Co., Grand Rapids, Mich.
Miller & Doing, 60 York, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
Northwestern Roofing, Cornice & Stamping Works, 1111 S 5th, Minneapolis, Minn.
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Phila., Pa.
Phila. Metal Stamping Co., 2218 Ranstead, Phila., Pa.
Porter Iron Roofing & Corrugating Co. (Stamped & Spun), 522 Culvert, Cincinnati, O.
Scott Roofing & Mfg. Co. (Standard & Spun), 408 Culvert, Cincinnati, O.
Thoresen Wm., 1916 W North av, Chicago, Ill.
Thorn J. S. Co., 20th & Allegheny av, Phila., Pa.
Weimer C. A., Lorain, O.

## 10413a— Ornaments (Shoe)

Drell Novelty Mfg. Co., 100 5th av, New York
Kescot Mfg. Co., 86 Page, Providence, R. I.
Waterbury Button Corporation, 381 S Main, Waterbury, Conn. *See adv index at end of book*

## 10414—Ornaments (Transfer)

Brown-Sinramm Co., 1 W 34th, New York
Decalcomania Co., 20 W Jackson blvd, Chicago, Ill.
Drakenfeld B. F. & Co. (Decalomania Paper), 50 Murray, New York
Globe Decalomania Co., 263 Sussex, Newark, N. J.
Meyercord Co. (Inc.) (Decalcomania), Chamber of Commerce, Chicago, Ill.
National Decalcomania Co., 240 N 60th, Phila., Pa.
Palm Bros. Co., 20 W. Jackson blvd., Chicago, Ill.
Palm Fechteler & Co., 67 5th av, New York
Towle F. S. Co. (Imp.), 332 B'way, New York
Translucent Window Sign Co. (Imp.), 118 E 28th, New York

## 10415— Ornaments (Wood)

American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.
Bogert & Hopper, Inc. (Turned & Grilled Work), 57 Barclay, New York *See adv index at end of book*
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Curtis Bros. & Co. (For the Trade Only), Clinton, Ia.
Curtis, Towle & Paine Co. (For the Trade Only), Lincoln, Neb.
Estes E. B. & Sons (Carved, Turned & Grille Works, etc.), 364 5th av, New York *See adv index at end of book*
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Hutting Mill Works Co., Kansas City, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Morgan Co. (For the Trade Only), Oshkosh, Wis.
N. Y. Carved Moulding Co., 139th & 3rd av, New York
Ohio Scroll & Lumber Co., Covington, Ky.
Pierce W. E. & Co., Milford, N. H.
Roberts Sash & Door Co. (For the Trade Only), 920 W 20th, Chicago, Ill.
Rowe Henry Mfg. Co. (Rosettes, Carvings, etc), Newaygo, Mich.
Spanjer Bros., 198 Badger av, Newark, N. J.
**STEARNS A. T. LUMBER CO.**, 100 Taylor, Neponset, Boston, Mass. *See adv index at end of book*
**STEVENSON MFG. CO.**, South Bend, Ind. *See adv index at end of book*
Waddell Mfg. Co. (Rosettes, Carved, Grilles, etc), Grand Rapids, Mich.

## 10415a— Orthonitropenol

Rector Chemical Co., Inc., 2 Rector, New York

## 10416-7— Oscillators

Wolf Co., Chambersburg, Pa.

## 10418— Oscillographs

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

## 10419— Osmium

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co., Platinum Works, Malvern, Pa.
Foote Mineral Co., Phila., Pa.

## 10420-1—Outfits (Steel Etching)

Sawyer Tool Mfg. Co., Ashburnham, Mass.

## 10422—Oven Builders (Brick & Portable)

Albrecht Francis J. (Brick, Inside Heating, also Continuous), 1146 Penn av, Pittsburgh, Pa.
American Oven & Machine Co. ("Peel," Brick), 111 W Washington, Chicago, Ill.
Bailey G. E. & Sons (Brick), Mansfield, Mass.
Baker's Sons J. & Perkins Co., Inc. (Steam Pipe Draw Plate), White Plains, N. Y.
Blendinger Fred A. (Brick), 824 O'Hara, Pittsburgh, Pa.
Blodgett G. S. Co. (Portable), Burlington, Vt.
Crandall-Pettee Co. (Portable Reel), 13b Hudson, New York
Duhrkop Oven Co. (Brick), 15 Park Row, New York
Dumbleton Thos. & Son (Brick), 619 Carlton av, Brooklyn, N. Y.
Evans & Eichner ("Willey" Portable), 29 W Lake, Chicago, Ill.
Fish Rotary Oven Co. ("Fish" Rotary Brick & Portable Rotary), Walworth, Wis.
Gorndt C. A. & Co., 189 W Madison, Chicago, Ill.
Griswold Mfg. Co. (Portable), Erie, Pa.
Hall S. L. Co. (Brick), 20 W Jackson blvd, Chicago, Ill.
Hogberg Oven Co., 37 Van Buren, Chicago, Ill.
Hubbard Portable Oven Co. (Portable), 1130 Belden av, Chicago, Ill.
Ils John G. & Co., 839 Mission, San Francisco, Cal.

OVEN BUILDERS (BRICK & PORTABLE)—continued

Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Keller A. E. (Portable), 186 Beekman, New York
Kosicky Patent Bake Oven Co. (Brick), 1079 Mt. Ell, Detroit, Mich.
McDowell Oven Co. (Portable), 282 State, Boston, Mass.
Meek Oven Mfg. Co. (Portable Reel), Newburyport, Mass.
Middleby-Marshall Oven Co. (Portable), 769 W Adams, Chicago, Ill.
Petersen Oven Co. (Brick), 537 S Dearborn, Chicago, Ill.
Reid Portable Oven Co. (Portable), 617 Main, Buffalo, N. Y.
Rinck Chas. & Bro., 826 Oliver, Cincinnati, Ohio
Rinck Jno. G., John, Williams & Colerain, Cincinnati, O.
Roberts Portable Oven Co. ("Black Diamond"), 853 W North, Chicago, Ill.
Rockwell L. A. Co. (Mechanical Reel for Biscuits & Crackers), 430 Smith, Brooklyn, N. Y.
Standard Oven Co. (Brick), Oliver bldg, Pittsburgh, Pa.
Standard Refractories Co., Claysburg, Pa.
Varney Heating & Mfg. Co., Leavenworth, Kan.
Walz Henry J. Co., 72 Huron, Buffalo, N. Y.
Watkins J. Y. & Son, 16 Catharine, New York
Williams Oven Mfg. Co. ("Williams" Sectional Brick), 150 Nassau, New York
Young Bros., Detroit, Mich.

## Ovens (Annealing)

See Furnaces, Annealing & Case Hardening

### 10423— Ovens (Bread)

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Blodgett G. S. Co., Burlington, Vt.
Koven L. O. & Bro. (Broad Proofing), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lucas Chas. O. & Co. (Rotary), Dayton, O.
*See adv index at end of book*
Meek Oven Mfg. Co. ("Meek" Gas), Newburyport, Mass.
Oven Equipment & Mfg. Co. ("Crawford" Sectional Continuous Process, Conveyor), New Haven, Conn.
*See adv index at end of book*
Sloan Novelty Mfg. Co. ("Sloan-Oven" for Biscuits, Cakes, etc), S W cor 20th & Wyandotte, Kansas City, Mo.

### 10424—Ovens (By-Product, Coke & Gas)

Gas Machinery Co., 1900 Euclid av, Cleveland, Ohio
Koppers Co., The ("Koppers"), Union Arcade, Pittsburgh, Pa.
Semet-Solvay Co., Syracuse, N. Y.
Stacey Bros. Gas Construction Co., Sta. P, Cincinnati, O.
Wiljutte Coke Oven Corp., 469 5th av, New York

### 10425—Ovens (Core Baking)

American Gas Furnace Co., 24 John, New York
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Blodgett G. S. Co. (Portable, Galvanized Iron), Burlington, Vt.
Brass Founders' Supply Co. (For Brass Fdrs.), Wilson av, Newark, N. J.
BUCKEYE PRODUCTS CO., 919-929 W 5th, Cincinnati, O.
*See adv index at end of book*
Central Foundry Supply Co., P. O. Box 945, Columbus, O.
Cullen & Atkinson Co. (Revolving), Hartford, Conn.
Foundry Equipment Co. (Molds), 1833 Columbus av, Cleveland, O
Haarman G. & Co., Inc., Holyoke, Mass.
Holcroft & Co. (Forced Draft, Mold & Annealing), Book bldg, Detroit, Mich.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Meek Oven Mfg. Co. ("Meek"), Newburyport, Mass.
Millett Core Oven Co., Springfield, Mass.
Monarch Engineering & Mfg. Co. ("Monarch-Acme", "Monarch-Arundel" & "Monarch Junior"), American bldg., Baltimore, Md.
Ohio Body Blower Co., 9300 Detroit av, Cleveland, O.
OVEN EQUIPMENT & MFG. CO. ("Crawford" Sectional), New Haven, Conn.
*See adv index at end of book*
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
Roberts Portable Oven Co. ("Black Diamond"), 853 W North av, Chicago, Ill.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Sly W. W. Mfg. Co. ("Sly"), 4700 Train av, Cleveland, O.
Stevens Frederic B, 3rd & Larned, Detroit, Mich.
*See adv index at end of book*
Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
Wadsworth Core Mach. & Equip Co., 10 W Buchtel, Akron, O.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

### 10425a— *Ovens (Drying)

GEHNRICH INDIRECT HEAT OVEN CO., INC., Skillman av. & Honeywell, Long Island City, N. Y.
*See adv index at end of book*

### 10426— Ovens (Electric)

Braun-Knecht-Heimann Co. (Despatch), 576-584 Mission, San Francisco, Cal.
Consolidated Car Heating Co. (Japanning & Baking), Albany, N. Y.
Despatch Mfg. Co. (For Enamel Baking, Bluing, Annealing, Vulcanizing, etc), 120 1st av, N. Minneapolis, Minn.
Eimer & Amend ("Freas" Electrically-Heated), 205 3d av, New York
Emerson Apparatus Co. (Conditioning), 251 Causeway, Boston, Mass.
Fox Electrical Corp., 119 W 42nd, New York
GEHRICH INDIRECT HEAT OVEN CO., INC., Skillman av & Honeywell, Long Island City, N. Y.
*See adv index at end of book*
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*
Hayes, C. I., 9 King av., Providence, R. I.
International Instrument Co., Cambridge, Mass.
OVEN EQUIPMENT & MFG. CO., ("Crawford"), New Haven, Conn.
*See adv index at end of book*
Prometheus Elec. Co., 511 W 42d, New York
Sargent & Co. E. H., 155 E Superior, Chicago, Ill.
Schaar & Co. ("Hexagon"), 556 W Jackson blvd, Chicago, Ill.
Simplex Elec. Htg. Co. (Bake), Cambridge, 39 Mass.
Steiner & Co. E. E., 20 Orange av, Newark, N. J.
Thermo Mfg. Co., Cleveland, O.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*
Young Bros. Co., 666 Mack, Detroit, Mich.

### 10427— Ovens (Enameling)

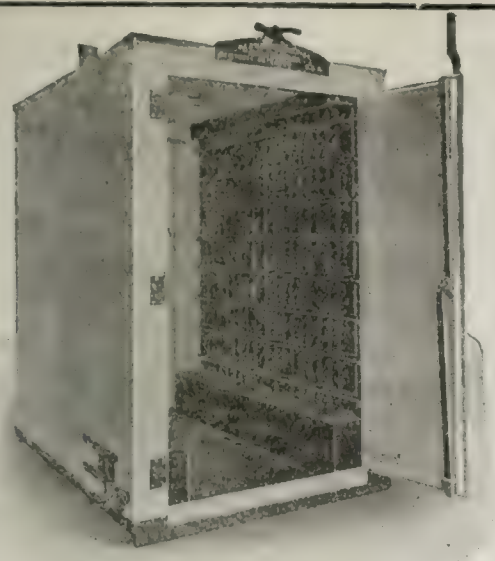
American Enamel Co. ("Mascot"), Providence, R. I.
Blodgett G. S. Co. (Portable Galvanized Iron), Burlington, Vt.
Cullen & Atkinson Co. (Gas or Gasoline), Hartford, Conn.
Despatch Mfg. Co. (Electric), 120-1st av N, Minneapolis, Minn.
Detroit Heating & Lighting Co., Lieb & Wight, Detroit, Mich.
Evans & Eichner ("Enterprise"), 39 W Lake, Chicago, Ill.
GEHNRICH INDIRECT HEAT OVEN CO. INC. (Sectional Portable), Skillman av & Honeywell, Long Island City, N. Y. *See adv index at end of book*
Maehler Paul Co., 807 W Lake, Chicago, Ill.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
OVEN EQUIPMENT & MFG. CO. ("Crawford" Sectional), New Haven, Conn.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Steiner E. E. & Co. (Gas), 20 Orange av, Newark, N. J.
U. S. Gas Furnace Co. (Drying or Baking), 46 Clifford, Providence, R. I.
Van Dorn Iron Works Co. (Japan), 2700 E 79th, Cleveland, O.

### 10428—Ovens (Gas & Oil Stove)

Adler H. Co. ("Acme"), Carnegie, Pa.
Andrews Wire & Iron Works, Rockford, Ill.
Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Block I. & Son ("Star", "Block"), 393 Pearl, New York
Boston Stove Foundry Co., 210 Border, Boston, Mass.
Brown Stamping Co., Toledo, O.
Central Oil & Gas Stove Co. ("Florence"), Gardner, Mass.
Clark Geo. M. & Co. ("Clark Jewell"), 179 N Michigan av, Chicago, Ill.
Connolly Mfg. Co. ("Yankee"), 123 Liberty, New York
Detroit Vapor Stove Co., Detroit, Mich.
Duluth Corrugating & Roofing Co., Duluth, Minn.
Enterprise Mfg. & Cons. Co., 1706 Washington av, Kansas City, Mo.
Geisel A. Mfg. Co. ("Ideal," "New Century," "Ozark"), 219 S 2d, St. Louis, Mo.
Grinberg Bros. ("Eagle"), 154 South, New York
Harris J. Co. (Cooking Acetylene), Cleveland, O.
Hillson Hyman M. Co., Somerville, Mass.
Howes S. M. Co. ("Daylight," Glass Door, "Boston"), 42 Union, Boston, Mass.
Huenefeld Co. ("Boss," with Glass Door), Cincinnati, O.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Kimball-Dietrich Hardware Co. ("Elgin"), Elgin, Ill.
Lawson F. H. Co., Cincinnati, O.
Ohio State Stove Co. ("Efficient" Glass Door), Columbus, O.
Reliable Stove Co. ("Reliable"), 1787 E 40th, Cleveland, O.
Savage Stanley Mfg. Co., 414 S Campbell, Chicago, Ill.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Sloan Novelty Mfg. Co. ("Sloan"), S W cor 20th & Wyandotte, Kansas City, Mo.
Weiskittel A. & Son Co. ("Fire King" Gas), 12th & E Lombard, Baltimore, Md.
Wheeling Stove & Range Co., Wheeling, W. Va.
Woolwine Metal Products Co., 2421 E 8th, Los Angeles, Cal.
Wotherspoon Jas. R., 288 N Front, Phila., Pa.

### 10429—Ovens (Japanning or Baking)

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Blodgett G. S. Co. (Portable Galvanized Iron), Burlington, Vt.
Consolidated Car Heating Co. (Electric), Albany, N. Y.
Despatch Mfg. Co. (Electric), 120 1st av, N Minneapolis, Minn.
GEHNRICH INDIRECT HEAT OVEN CO. INC. (Sectional Portable), Skillman av Honeywell, Long Island City, N. Y.
*See adv index at end of book*
Griswold Mfg. Co., Erie, Pa.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Meek Oven Mfg. Co. ("Meek"), Newburyport, Mass.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
National Oven Co. (Baking), Beacon, N. Y.
OVEN EQUIPMENT & MFG. CO. ("Crawford" Sectional Ovens & Gas Burner; also Conveyor), New Haven, Conn.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*



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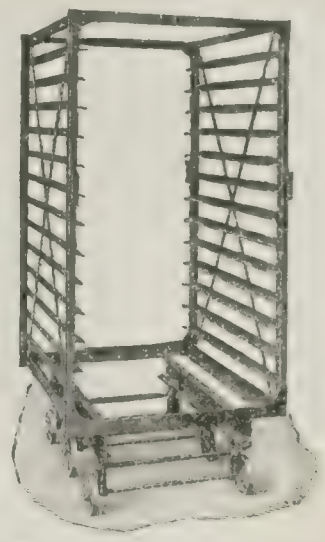

Steiner E. E. & Co. (Gas), So. Orange av, Newark, N. J.
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.
Van Dorn Iron Works Co. (Japanning), 2700 E 79th, Cleveland, O.

### 10430-1—Ovens (Wire Bluing)

**Rockwell W. S. Co., 50 Church, New York**
*See adv index at end of book*
Vaughn Machinery Co. (& Pin Bakers), Cuyahoga Falls, O.
*See adv index at end of book*

### 10432—Ovens (Wood Distillation)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Struthers-Wells Co., Warren, Pa.

### Oxide of Antimony

See Antimony Oxide

### Oxide of Cobalt

See Cobalt

### Oxide of Copper

See Copper Oxide

### Oxide of Iridium

See Iridium Oxide

### 10433— Oxide of Iron

**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
Atlas Paint Co., Nashville, Tenn.
Avery Chemical Co., Boston, Mass.
Behrend F., Inc., 170 Front, New York
**Bowker Chemical Co. (For Gas Purification), 2 Rector, New York**
**CHRYSTAL CHARLES B.** (Red, Imp), 13 Cliff, New York
*See adv index at end of book*
Connelly Iron Sponge & Governor Co. (For Gas Purification), 227 Fulton, New York
Coulston J. W. & Co. (Importers), 80 Maiden Lane, New York
Drakenfeld B. F. & Co. (Red & Black, Imp.), 50 Murray, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Commercial Co., Ltd., of U. S. (Imp), 295 B'way, New York
Greenpoint Chemical Works (For Gas Purification), 425 Greenpoint av, Brooklyn, N. Y.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Iron Hydroxide Co. (For Gas Purification) Phila., Pa.**
Katzenbach & Bullock Co., 100 William, New York
**McNULTY JOSEPH A.** (Red), 135 William, New York *See adv index at end of book*
**Mepham Geo. S. & Co., 20th & Lynch, E St. Louis, Ill.**
National Sales & Trading Co., Cleveland, Ohio
**Osborn C. J. Co. (Reds, Imp), 132 Nassau, New York**
Prince Mfg. Co., 165 B'way, New York
Princes' Metallic Paint Co. ("Genuine," Red, Brown & Black), Allentown, Pa.
Reichard F. A. (Imp.), 303 5th av, New York
**Riches, Piver & Co. (Imp.), 30 Church, New York**
Roessler & Hasslacher Chemical Co., 709 6th av, New York
**Scheel Wm. H. (Imp.), 159 Maiden Lane,** New York. *See adv index at end of book*
Smith Alfred, 98 Park pl, New York
Smith J. Lee & Co. (Imp.), 19 Jacob, New York
Waldo E. M. & F. ("Oximony") (Selling Agents), 11 B'way, New York
Western Oxide & Specialty Co. ("Western" for Gas Purification), 2117 S Jefferson, Chicago, Ill.
**WESTMORELAND CHEMICAL & COLOR CO.** (Pure), S E cor 22nd & Westmoreland, Phila., Pa.
Wiarda Jno. C. & Co., 273 Greene, Brooklyn, N. Y.
**WILLIAMS C. K. & CO.** ("Anchor Brand" Dry), Easton, Pa.
*See adv index at end of book*

### Oxide of Lead

See Litharge

### 10434-5-6—Oxide of Manganese

Drakenfeld B. F. & Co. (Black, Brown & Recovered, Imp.), 50 Murray, New York
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Highfield, John W., 248 N 10th, Brooklyn, N. Y.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Katzenbach & Bullock Co., 100 William, New York
Nat'l. Lead & Oil Co. (of Pa.), Commonwealth bldg, Pittsburgh, Pa.
Roessler & Hasslacher Chemical Co. (Black), 709 6th av, New York
**Scheel Wm. H. (Imp.), 159 Maiden Lane,** New York *See adv index at end of book*
**Tennant C. Sons & Co. of N. Y. (Imp.), 100 William, New York**
**Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.**

### Oxide of Nickel

See Nickel Oxide

### Oxide of Silver

See Silver Oxide

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## 10437— Oxide of Tin

Chrystal Chas. B. (Jobber), 13 Cliff, New York *See adv index at end of book*
Feuchtwanger L. & Co., 74 Cortlandt, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, O.**
*See adv index at end of book*
**Loraine Smelting & Refining Co., 25 N Dearborn, Chicago, Ill.**
Roessler & Hasslacher Chemical Co., 709 6th av, New York
**Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.**

### Oxide of Tin Substitute

See Tin Oxide Substitute

### Oxide of Uranium

See Uranium Oxide

## 10438— Oxide of Zinc

American Metal Co., 61 B'way, New York
Am. Zinc Lead & Smelting Co., 120 B'way, New York, & 55 Congress, Boston, Mass.
Ball Brothers Glass Mfg. Company, Muncie, Ind.
**Bird J. A. & W. & Co. ("Schmidt & Baus"), 88 Pearl, Boston, Mass.**
Chrystal Charles B. (Imp), 13 Cliff, New York *See adv index at end of book*
**Coulston J. W. & Co. (Imp), 80 Maiden la, New York**
**Doggett Stanley, 11 Cliff, New York**
**Drakenfeld B. F. & Co. (Imp), 50 Murray, New York**
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Katzenbach & Bullock Co., 440 William, New York
**Mallinckrodt Chemical Wks, 2d & Mallinckrodt, St. Louis, Mo.**
**Mineral Point Zinc Co., 140 S Dearborn, Chicago, Ill. Works: Mineral Point, Wis.**
National Sales & Trading Co., Cleveland, O
**New Jersey Zinc Co. ("White Seal," "Red "Seal," "Green Seal," "Horsehead," "X X," "Selected," "Lehigh," "Superior," "Standard," "Sterling"), 160 Front, New York**
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Rolls, H. J., Ellicott bldg, Buffalo, N. Y.
**Scheel Wm. H. (Imported), 159 Maiden la, New York.** *See adv index at end of book*
**Smith J. Lee & Co. (French Process, Imp), 19 Jacob, New York**
Uhlich Paul & Co. ("Anchor"), (French Process, Imp), 11 Cliff, New York
Whittaker, Clark & Daniels, Inc. (Imp.), 250 Front, New York
Wiarda Jno. C. & Co., 273 Greene, Brooklyn, N. Y.

### Oxide (Red)

See Litharge

## 10438a— Oxides (Spent)

Connelly Iron Sponge & Governor Co., 227 Fulton, New York
Marden, Orth & Hastings Co., 136 Liberty, New York

## 10439— Oxone

Roessler & Hasslacher Chemical Co. (For Producing Oxygen), 709 6th av, New York

## 10440— Oxy-Acetylene Equipment For Cutting & Welding

Advance Welding Machine Co., 111 N Desplaines, Chicago, Ill.
Burdett Mfg. Co., 309 S Johns ct, Chicago, Ill.
Johnson A. W. V., Merchants' Exchange bldg, San Francisco, Cal.
**MACLEOD CO.**, 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Milburn Alexander Co., 1420 W. Baltimore, Baltimore, Md.
**ELECTROLABS CO.**, 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
Salter Motor Mfg. Co., 1516 Oakland av, Kansas City, Mo.
Stolz Jos. & Sons, Inc., 841 E. 136th, New York
Torchweld Equipment Co., 224 N Carpenter, Chicago, Ill.

## 10440a—Oxy-Hydrogen Apparatus

Burdett Mfg. Co., 309 St. John ct, Chicago, Ill.
**ELECTROLABS CO.** (Testing Meters & Gauges), 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
Electrolytic Oxy-Hydrogen Laboratories, 15 William, New York

## 10441— Oxygen

Air Reduction Sales Co., 120 B'way, New York
American Oxhydric Co., ft 32d, Milwaukee, Wis.
American Oxygen Ass'n, 134 .Eliot, Boston, Mass.
American Oxygen Co., 2d & Elm, Cincinnati, O.
Beseler Oxygen Co., 131 E 23d, New York
Bettendorf Oxygen-Hydrogen Co., Bettendorf, Ia.
Bolbach Co., Omaha, Neb.
Braun J. G., 609 S Paulina, Chicago, Ill.
Burdett Mfg. Co., 309 St. John ct, Chicago, Ill.
California Burdett Oxygen Co. ("Purox" Gas), 52nd & Santa Fe av, Los Angeles, Cal.
Chicago Calcium Light Co., 178 N Green, Chicago, Ill.
Chicago Oxygen Gas Co., 1742 W Madison, Chicago, Ill.
Clarke Chem. Co., Wickliffe, O.
Crane Oxygen Wks, 2 W 90th, New York
**ELECTROLABS CO.** (Generators Only), 2635 Penn. av, Pittsburgh, Pa. *See adv index at end of book*
**French F. W. Oxygen Co., 305 26th, Oakland, Cal.**
International Oxygen Co. (Also Hydrogen, "I. O. C." System), 796 Frelinghuysen av, Newark, N. J.
Johnson, A. W. V. (Cutting & Welding Apparatus, Oxygen Plants & Apparatus), Merchants Exchange bldg., San Francisco., Cal.
K. G. Welding & Cutting Co. (Compressed), 556 W 34th, New York
**LINDE AIR PRODUCTS CO., 42nd St. bldg., New York.** *See adv index at end of book*

LINDE OXYGEN
FOR
WELDING
CUTTING
CARBON REMOVING
Distributing Stations in Seventy Cities
THE LINDE AIR PRODUCTS CO.
42d St. Bldg., New York City

Logansport Oxygen Co., Loganport, Ind.
Murray Oxygen Co., 449 W 53d, New York
National Oxygen Co., 105 W Monroe, Chicago, Ill.
Ohio Electrolytic Oxygen Co., 942 Kenyon av, Cincinnati, Ohio
Roessler & Hasslacher Chemical Co., 709 6th av, New York
St. Louis Oxygen Co., 2500 Montgomery, St. Louis, Mo.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Standard Gas Products Co., Inc. (Compressed), Atlanta, Ga.
Standard Oxygen Co., 216 E 42d, New York
Superior Oxygen Co., 113 Plum, St. Louis, Mo.
Swift & Co. (Oxygen Dept), Union Stock Yards, Chicago, Ill.
Tariff Oxygen & Chemical Co., Tariffville, Conn.
Universal Oxygen Co., Sheboygan, Wis.
Western Oxygen & Gas Products Co., 128 W 2d, Los Angeles, Cal.
White S. S. Dental Mfg. Co., 211 S 12th, Phila., Pa.

### Oxymuriate of Antimony

See Antimony Oxymuriate

## 10442—Packages (Fruit & Vegetables)

Annett Box Co. ("Autex," "Fancy Round Baskets"), East Joffrey, N. H.
Barden & Robeson Corp., Penn Yan, N. Y.
Baumeister F. & Son, Rockwood, Mich.
Burlington Basket Co. (Double Covered), Burlingon, Ia.
Bryant Mfg. Co. (Wooden), Springfield O.
Butler Basket Co., (Bamboo, Splint, etc.), Butler, Ind.

Colby-Hinkley Co. (Baskets & Veneers), Benton Harbor, Mich.
Cumberland Fruit Package Co. ("Ewald," Folding), Cumberland, Wis.
Farmers Mfg. Co., Norfolk, Va.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Gulle & Windnagle, Penn Yan, N. Y.
Hamper & Basket Mfg. Co., Bridgeton, N. J.
Huke Wm. Rattan & Willow Ware Mfg. Co., 1007 S 7th, St. Louis, Mo.
Marvil Package Co., Laurel, Del.
Mullen Bros. Paper Co., St. Joseph, Mich.
New Albany Box & Basket Co. (Splint), New Albany, Ind.
Peru Basket Co. (Bamboo & Splint), Peru, Ind.
Planters Mfg. Co., Portsmouth, Va.
Powhatan Basket & Veneer Co. (Wooden Splint, for Shipping), Norfolk, Va.
Pugh Foundry Co., 19 W Levee, Kansas City, Mo.
Redmon, W. C. Sons & Co., Peru, Ind.
Sanitary Metal Basket Co., Lafayette, Ind.
Wells-Higman Co. (Also Crates), St. Joseph, Mich.
Yates Lumber Co., Penn Yan, N. Y.

## Packers (Cement)

See Packing Machines; also Bag Filling Machines

## Packers (Flour, Bran & Feed)

See Packing Machines; also Bag Filling Machines

## 10443—Packers (Linseed & Cottonseed Cake)

French Oil Mill Machinery Co., Piqua, O.
Southern Cotton Oil Co., 120 B'way, New York

## 10444— Packers (Oil Well)

See also Rubber Goods, Mechanical

Dresser S. R. Mfg. Co., Bradford, Pa.
Goodrich B. F. Co., Akron, O.
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Hewitt Rubber Co. (Swab Rubbers), Buffalo, N. Y.
Kane Supply Co., Kane, Pa.
Larkin J. J., Bartlesville, Okla.
Larkin & Co., Butler, Pa.
Larkin J. J., Bartlesville, Okla.
McElwaine Mfg. & Auto Co., Bradford, Pa.
Masseth Packer & Machine Co. ("Masseth's"), Butler, Pa.
NEW YORK RUBBER CO., 323 W Randolph, Chicago, Ill., & Reade & Church, New York.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Parkersburg Machine Co. ("Parmaco"), Parkersburg, W. Va.
Pennsylvania Rubber Co., Jeannette, Pa.
Pierce Packer Co., Franklin, Pa.
Robinson Packer Co., Tulsa, Okla.
Spang & Co., Butler, Pa.

## 10445— Packers (Shingle)

De Loach Mill Mfg. Co., Bridgeport, Ala.
Lane Mfg. Co., Montpelier, Vt.
Mitts & Merrill, Saginaw, Mich.
Street Bros. Machine Works, Chattanooga, Tenn.
Trevor Mfg. Co., Lockport, N. Y.

## 10446—Packers (Sub-Surface)

Dunham Co. (Also Surface), Berea, O.
Parlin & Orendorff Co. ("P. & O"), Canton, Ill.

## 10446a— Packing (Acid)

Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Danubil Co., Inc., Postal Telegraph bldg., New York
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Goetz Gasket & Packing Co., New Brunswick, N. J.
Jenkins Bros., 80 White, New York
Metric Packing Co., 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*
United States Rubber Co., 1790 B'way, New York
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

## 10447— Packing (Air)

Brawley T. R. (Compressor Felt), 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
Detroit Leather Specialty Co. (Inc.), ("Wear Well" Leather), 275 Beecher av, Detroit, Mich.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Goetze Gasket & Packing Co. ("Goetze" & "Goetzerit"), New Brunswick, N. J.
McQUAY-NORRIS MFG. CO. ("Leak-Proof" Piston Head), Cooper & Southwest aves, St. Louis, Mo.
*See adv index at end of book*
Martell Packings Co., Inc. (Air Compressor), Elyria, O.
Niagara Falls (Ont) Gasket & Packing Co., Church & Fulton, New York
*See adv index at end of book*
Union Asbestos & Rubber Co., 231 S Wells, Chicago, Ill. *See adv index at end of book*
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

## 10448—Packing (Air Compressor)

Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
McQUAY-NORRIS MFG. CO. ("Leak-Proof"), Cooper & Southwest aves, St. Louis, Mo.
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

## 10448a— Packing (Ammonia)

Danubil Co., Inc., Postal Telegraph bldg., New York
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Jenkins Bros., 80 White, New York
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Vilter Mfg. Co. 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Walker James & Co., 46 West, New York
United States Rubber Co., 1790 B'way, New York
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

## 10449— Packing (Asbestos)

Allen W. D. Mfg. Co., 566 West Lake st., Chicago, Ill. *See adv index at end of book*
American Asbestos Co. (Metallic Sheet, Asbestos Rod, Ring, Wick, Rope & Braided), Norristown, Pa.
American Steam Packing Co., 165 High, Boston, Mass.
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos & Rubber Works of America ("Asbestolith"), 58th & B'way, New York
Asbestos Textile Co., 233 B'way, New York
Austin, Mason & Co., 15 Park row, New York
Boonton Rubber Co. (Hard Rubber & Asbestos Rings), Boonton, N. J.
Carey Philip Mfg. Co. (Asbestos, Air, Ammonia, Hydraulic, Pump, Steam, etc), 330 Wayne av, Lockland, Cincinnati, O.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Combination Rubber Mfg. Co. (High Pressure), Bloomfield, N. J.
Crandall Packing Co., Palmyra, N. Y.
Dealers Steam Packing Co., Palmyra, N. Y.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Empire Tire & Rubber Corp. ("Duplex"), Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Fibre Rock Mfg. Co., 4566 Silverwood, Phila., Pa.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Garlock Packing Co., Palmyra, N. Y.
GASKET SUPPLY CO. ("Right" Superheat, Asbestos Metallic & Mill Board), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
General Asbestos & Rubber Co. ("Garco," "Fibro-Metallic," "Valbestine"), Charleston, S. C.
Gillen-Chamber Co., 66 N Front, Portland, Ore.
Goetze Gasket & Packing Co. ("Goetzerit"), New Bruinswick, N. J.
Goodyear Tire & Rubber Co. ("Everlast"), Akron, O.
Horton F. L. Corp. ("Elektra"), 36 Whittier Roxbury, Boston, Mass.
Janos Asbestos Co., 26 Cortlandt, New York
Jenkins Bros., 80 White, New York
Johns-Manville H. W. Co., ("Kearsarge"), Asbestos-Metallic Sheet), Madison av & 41st, New York
Johns-Pratt Co. ("Vulcobeston" Red Fibre, Sheet), Hartford, Conn.
Keasbey & Mattison Co., Ambler, Pa.


UNION ASBESTOS & RUBBER CO.

MAKERS OF ASBESTOS PRODUCTS

Pipe Coverings
Boiler Insulation
Asbestos Cement

General Offices:
231 So. Wells Street
CHICAGO, ILL.

UNARCO

Asbestos and Rubber
Packings for Every
Condition of Service

Factory and Warehouse:
2834 So. Loomis Street
CHICAGO, ILL.

PACKING (ASBESTOS)—continued

Metric Packing Co., 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*


**METRIC**

Style 5—High Pressure Asbestos Piston Packing.
Style 75—For Westinghouse and New York Air Pumps.
Style 100—Braided } Valve Stem
Style 101—Twisted } Packing
Style 190—Asbestos Braided (Graphited and Lubricated).
Style 1000—Compressed Sheet.
Style 1030—Asbestos Metallic.
Style 1500—Asbestos Metallic Gaskets.

Metric Packing Company, Inc.
General Office & Works, Buffalo, N. Y.
New York San Francisco Chicago
Buffalo Boston Pittsburgh
Cleveland New Orleans Detroit
Los Angeles


**MIKESELL BROS. CO.**, 156 N La Salle. Chicago, Ill. *See adv index at end of book*
National Asbestos Packing Mfg. Co., 2 Stone, New York
New Jersey Asbestos Co., 1 Water, New York
Raybestos Co. ("Raybestos"), Bridgeport, Conn.
Standard Asbestos Co., 75 Fulton, New York
**STRONG MACHINERY & SUPPLY CO.**, ("Strong's Tisafine" Grapho Asbestos Valve & Piston & Sheet), 21 Walker, New York *See adv index at end of book*
**UNION ASBESTOS & RUBBER CO.**, 231 S Wells st, Chicago, Ill.
*See adv index at end of book*
United Asbestos & Packing Co. ("Duraco," "Durabestos," "Duroil," "Unapac"), 619-629 Washington blvd, Chicago, Ill.
United States Asbestos Co. ("Usaco," "Carbuline"), Lancaster, Pa.
Vulcan Asbestos Mfg. Co., 95 Broad, New York
Watson H. F. Co., Erie, Pa.
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*
Wing J. T. & Co., 19 Woodward av, Detroit, Mich.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 10450—Packing (Asbestos, Metallic, Cloth)

**Acme Asbestos Covering & Supply Co.**, 404 N Ada, Chicago, Ill.
*See adv index at end of book*
American Asbestos Co., Norristown, Pa.
Asbestos Fibre Spinning Co., North Wales, Pa.
Asbestos & Rubber Works of America, 58th & B'way, New York
Asbestos Textile Co., 233 B'way, New York
Carey Phillip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
**GASKET SUPPLY CO.** ("Right"), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
General Asbestos & Rubber Co. ("Garco"), Charleston, S. C.
Johns-Manville H. W. Co., Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
U. S. Asbestos Co., Lancaster, Pa.
Watson H. F. Co., Erie, Pa.

## 10451— Packing Box Mfrs.

### ARKANSAS.

**MARIANNA—Miller Lumber Co.**

### CALIFORNIA.

**FRESNO—Fresno Flume & Lumber Co.**
**SAN FRANCISCO—California Pine Box & Lumber Co., 1st Nat'l. Bk. bldg.**
Mercantile Box Co., 318 Market
Pacific Box Factory, Beach nr Mason
Standard Box Co., Bryant & Beale
Wood E. K. Lumber Co., 112 Market

### COLORADO.

DENVER—Hallack & Howard Lumber Co.

### CONNECTICUT.

BRIDGEPORT—Hoffman H. C. & Co.
HARTFORD—Rockwell John W. & Sons Co.
NEW HAVEN—Hubbell & Mervin Co.
Sperry & Amos Co.

### FLORIDA.

JACKSONVILLE—Cummer Lumber Co.

### GEORGIA.

**ATLANTA—Hightower Box & Tank Co.**
Union Box Mfg. Co.
**SAVANNAH—Pierpont Mfg. Co.**

### ILLINOIS.

CHICAGO—Acme Box Co., 1401 W 21st pl
Chicago Mill & Lumber Co., 111 W Washington
Consumers Box Mfg. Co. 925 N Halsted
Excelsior Box Co., 311 S Jefferson
Friedlander Box Co. (New & Second Hand), 1300 W Lake
Goodwillie Bros. (Also Wausau, Wis., & Manistique, Mich.), 10 La Salle
Goodwillie D. M. Co. (Pine & Hardwood), 22d & Allport
Herman K. I. Co., 211 W Washington
Hummel & Downing Co., 111 W Washington
Illinois Packing Box Co., 925 W Halsted
Jones, Coates & Bailey, 1014 Hooker
Koenig Edward L. Co. (Steel Collapsible), La Salle nr. Lake
*See adv index at end of book*
Kurz Bros. Co., Blackhan & 1381 N Branch
Lumber Co. (Pine, Hemlock, etc), 2204 Loomis
McNeill, Lauff & McNeill, 925 N Halsted
Monarch Box Co., 925 N Halsted
National Box Co., 38th & Racine av
Rathborne, Hair & Ridgway Co., 2279 S Union av
**REPUBLIC BOX CO.**, 925 N Halsted
Stinson Box Co., 2129 S Peoria
Tegtmeyer Box & Lumber Co., 1828 S Canal
GENEVA—Pope, Cannon Box Co.
HOOPESTON—Moore & McFerren
KARNAK—Main Bros. Box & Lumber Co.
ROCKFORD—Green Bros. Box & Lumber Co.
SPRINGFIELD—Abbott Bros.

### INDIANA.

CRAWFORDSVILLE—Crawfordsville Wire & Nail Co.
ELWOOD—Indiana Box Co.
INDIANAPOLIS—Ballweg & Co.
Dietz Fred Co., 1102 Madison av

### KANSAS.

KANSAS CITY—Kansas City Packing Box Co.

### KENTUCKY.

LOUISVILLE—Booker Box Co.
Mengel Box Co.
MAYFIELD—Mayfield Planing Mills

### LOUISIANA.

BONAMI—King-Ryder Lumber Co.
NEW ORLEANS—Alcus S. T. & Co. (Ltd.), Hagan av & New Basin
Globe Packing Box Co., Washington & I. C. R. R. Crossing
Hasam Box Factory, 621 N Rochebiave av
Pelican Box Factory, Mire & Julian
Powell Box Co. (Ltd.), 115 University place

### MAINE.

AUBURN—Conant F. R. Co.
Hutchins H. Wesley Co. (Veneer Boxes)
Page N. L. & Son Co.
BIDDEFORD—Deering J. G. & Son.

### MARYLAND.

BALTIMORE—Asendorf Wm. H. & Co., Russell & Stockholm
Becker Bro. & Son. Lexington & Fkd.
Canton Box Co., 2515 Boston
Dreyer H. D. & Co., Aliceanna & Spring
Duker J. H. Box Co., Aliceanna, cor Eden
Fortenbaugh Charles, 636 W Pratt
Louis Henry D., Leadenhall & B & & O RR
Radecke H. F. Sons, Bush & Ridgely
Southern Can Co., 717 S Wolfe
EAST BROOKLYN—East Brooklyn Box Co.
HURLOCK—Thompson G. A. & Sons

### MASSACHUSETTS.

ACUSHNET—Acushnet Saw Mills Co.
AMHERST—Angus Nelson E.
BOSTON—Corcoran P. & Son, D. S.
Manwell F. P. & Co. (Dealers), 190 A
Snow Abbott L., 406 Border, E. B.
BROCKTON—Bonney E. L. Box Co.
Woodbridge F. L.
CAMBRIDGE—Page Geo. G. Box Co.
CHELSEA—Atwood & McManus Box Co.
Parsons Mfg. Co.
FALL RIVER—Lunan J. & Sons
Varney Isaac & Sons Co.
FITCHBURG—Cook O. S. & Sons Co.
Priest C. A. Lumber Co.
GLOUCESTER—Merchant Box & Cooperage Co.
Perkins Box Co.
GREENFIELD—New England Box Co.
HAVERHILL—Haverhill Box Board Co.
Hayes C. H. Corporation
Island Box Co.
Owens John & Co.
Tapley I. W.
HOLYOKE—Merrick Lumber Co.
LAWRENCE—Dinsmoore Geo. W.
Lawrence Lumber Co.
Pingree D. W. Co.
LOWELL—Allen Otis & Son Co.
Cady Geo. L. & Sons
Cheney Frank P.
Cummings F. G.
Davis & Sargent Lumber Co.
MEDWAY—Medway Box Co.
NATICK—Natick Box & Board Co.
NORTH ADAMS—Dibble S. B. Lumber Co.
OXFORD—Chaffee Bros. Co.
PETERSHAM—Carter J. A.
READING—Symonds O. P. & Sons
SALEM—Irving W. A.
SOUTHBRIDGE—Ide Lumber Co.
SPRINGFIELD—West F. M. Box Co.
TULLY—Gale Conrad H.
WILLIAMSBURG—Bradford G. M.
WORCESTER—Baker Box Co.
Williams & Bridges Co.

### MICHIGAN.

BAY CITY—Bay City Box & Crate Co.
Bradley Miller & Co.
Foss E. B.
Handy Bros.
Nickless W. H.
Vance E. J. Box Co. Ltd.
DETROIT—Backus A. Jr., & Son, 393 Lafayette
Beyster John, 875 Wort W
Grigg-Hanna Co., 1240 Michigan av
Restrick Lumber Co., 1016 Vinewood av
Weber J. F. & Co., 304 Gratiot av
Yeomans Box Co., 274 Wight
MENOMINEE—Crawford Mfg. Co.
Fisher Box Co.
MUSKEGON—La Belle Box Co.
Langeland Mfg. Co.
SAGINAW—Mershon Eddy Parker Co.
WHITEHALL—Nufer Cedar Co. (Hardwood Boxes & Crates)

### MINNESOTA.

DULUTH—Wallinder E. G.
MINNEAPOLIS—Clark J. R. Co., 2d av N & Aldrich
Coffin's Box & Lumber Co., Nicollet Island
ST. PAUL—Minnesota Box Co., 827 Forest
Osgood & Blodgett Mfg. Co., Duluth av & E 7th
Villaume Box & Lumber Co., Chicago, Indiana avs. & Walter

### MISSISSIPPI.

HATTIESBURG—Newman J. J. Lumber Co.
NATCHEZ—National Box Co.

### MISSOURI.

KANSAS CITY—Chapman & Dewey Lumber Co., Rialto bldg
Forrester-Nace Box Co., 80 Wyoming
Inman Box Co., 2d & Delaware
United Box Mfg. Inc., Prospect & Guinotte av
ST. JOSEPH—Letts W. T. Box & Cooperage Co.
ST. LOUIS—Alt Box Mfg. Co., 174 Carroll
Cannon Lumber Co., 5054 Garfield av
Chicago Mill & Lumber Co., 200 Chouteau av
Columbia Box Co., 19th & N Market
Fehlig Bros. Box Mfg. Co., 1909 Wash'n
Gaus Henry & Sons Mfg. Co., N Main & Clinton
Goessling Wm. F. Box Co., Blair av & Mullanphy
Heibel P. & Sons, 1452 S 2d
Loy-Lange Box Co., 3d & Russell
Mengel Box Co., Folsom & Lawrence
Olcott Chas. A. Planing Mill Co., 3300 N B'way
Poorman H. B. Box Mfg. Co., 10th & Howard
St. Louis Box Factory, 721 S 2d
Woods & Down, 13th & Mullanphy
SIKESTON—Baker-Matthews Mfg. Co.

### NEBRASKA.

OMAHA—Omaha Box Co.

### NEW HAMPSHIRE.

EAST JAFFREY—Stratton C. L.
KEENE—Fowler-Norwood Greene Co.
MANCHESTER—Fellows & Son
Hodge Jeremiah Co.
Smith Box & Lumber Co.
West Side Lumber Co.
MILFORD—Peirce W. E. & Co.
NASHUA—American Box & Lumber Co.
ROCHESTER—Champlin Wm. H.
STATE LINE—Damon Walter S.

### NEW JERSEY.

CAMDEN—Coles C. B. & Sons Co.
JERSEY CITY—Dodge & Bliss Co., W End
Vanderbeck & Sons, Green
NEWARK—Doolittle Henry N., 31 Bruen
Ripley D. & Sons, 77 Commercial

### NEW YORK.

ALBANY—Draper Henry W.
Romeyn T. F. Co.
BUFFALO—Buffalo Box Factory
Elias G. & Bro., 965 Elk
Graves, Manbert George & Co., ft. Hertel av
MacLean Box Factory
Montgomery Bros. & Co.
Niagara Box Co., 820 S Division
Zeis M. & Sons, 200 Cherry
LESTERSHIRE—Lestershire Lumber & Box Co.

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Bossert Louis & Son, 1335 Grand
Burdick L. N.
Eckert John A., 314 Pearl
Goodman & Gavin, 248 Metropolitan av
Haws William, 154 9th
Reeves George H., 290 Greene
Richards O. S., Inc., 87 34th
Smith E. C., 420 Oakland

#### Boroughs of Manhattan and Bronx.

NEW YORK—Abbey Frank R., 15 William
Armstrong Eliza J., 513 Greenwich
Atlantic Box & Lumber Co., 814 E 5th
Bieg Fred Box Co., 40 Gold
Buse Frederick 421 E 60th
Carroll Box & Lumber Co., 629 E 18th
Dunbar Box & Lumber Co., 282 11th av
Dunning-Varney Corp., 99 Warren
Eckert John A., 314 Pearl
Epstein & Vollweiler, 814 E 5th
ESTES E. B. & SONS (Small), 364 5th av *See adv index at end of book*
Fagan James & Son, 204 W Houston
FitzGerald James H., 532 W 20th
Forest Box & Lumber Co., 405 E 4th
New York
Gerow Emma, 450 11th av
Gilmour J. A. Co., 23 Bond
Gottlieb M. & Sons, 20 Clarke
Green A. H. Co., 97 Warren
Greenfield Box Co., 21 Gold
Kidney George, 7 Walker
Manhattan Box Co., 410 E 32d
Merrall F. R. & Co., 505 E 18th
Mitchell & Moffett, 54 Crosby
New England Box Co., Woolworth bldg.
O'Brien & Mosher, 223 Greene
Patterson Thos. G., 637 W 55th
Qua James, 341 W B'way
Rosenthal & Cohen, 53 Great Jones
Ryan M. Packing Box Co., 550 W 29th
Ryan Martin, 132 Mercer
Ryan P., 556 Washington

**(End of New York City)**

NORTH TONAWANDA—Berry Geo. White, Gratwick & Mitchell
ROCHESTER—Rochester Box & Lumber Co.
Traders Box & Lumber Co. (Nailed or Dovetailed)
SYRACUSE—Lyons John H., 548 Canal
Markert Mfg. Co.
Piquet Box & Lumber Co.
TONAWANDA—Wilson Lumber & Box Co.

### NORTH CAROLINA.

GOLDSBORO—Empire Mfg. Co. (Re-inforced 3-Ply Veneer)
Utility Mfg. Co. (Three-Ply Veneer)
HICKORY—Hutton & Bourbonnais Co.

### OHIO.

BARNESVILLE—Hutchinson E. J.
CINCINNATI—Aman & Sandmann, 18 W McMicken av
Anchor Box Co., Western & Section Fairmount
Conkling E. A. Box Co., 2001 Reading rd
Kenker Fred & Sons, 3904 North Bend rd, Cheviot
McWilliams & Schulte, McLean av & Richmond
Queen City Box Co., Wade, Flint & McLean
CLEVELAND—Acme Box & Lumber Co. 3471 E 49th
American Box Co., 1900 W 3d
Cleveland Box Co.
Dunn James Box Co., 1952 W 3d
Forest City Box Co., 723 Stone's Levee
Hahn J. N. Co., Cuyahoga & W 3d
Smeed Box Co., 1878 Scranton rd
Wiggins Fred B.
COLUMBUS—Rood R. A., Buttles av & Factory
DAYTON—Gondert & Lienesch
LAGRANGE—Ryan H. J.
MARTINS FERRY—La Belle Box Co.
SANDUSKY—American Crayon Co., 1300 Hayes av
TOLEDO—Phoenix Box Factory
Western Manufacturing Co.

### OREGON.

PORTLAND—Multnomah Lumber & Box Co., Ft. of Bancroft
Standard Box & Lumber Co., 62 E Water

### PENNSYLVANIA.

ALLENTOWN—Allentown Packing Box Co.
CHESTER—Hamilton James M.
HAWLEY—Atkinson Box & Lumber Co.
McKEES ROCKS—Russell W. L. Box & Lumber Co.
MONESSEN—Monessen Box Co.
PHILADELPHIA—Carnwath, Bell & Co., 613 Cherry
Carver E. S. & Son, 914 W Westmoreland
Datz Chas F. Co., Cabot & York
Davidson D. H., 2005 Washn av
Douglass Edwin D., 43 N 5th
Galbraith John (Est. of), 619 Commerce
Henson Edw. F. & Co., 921 N Delaware av
Jones Samuel & Sons, 3207 Sp. Garden
Kees Wm. J., 113 N Orianna
Keystone Box Mfg. Co., 701 E Girard av
Kugler Geo. W. & Sons Co., 921 N Market
McCauley J. & W., 636 Filbert
Martin John, 1432 N 6th
Meisle G. & Bro., 217 New
Mench S. B. & Co., 2030 E Dauphin
Meyer William, 214 Quarry
Orr Wm. L., 1609 S 19th
Pearson Jos. T., & Sons Co., 1815 E Boston
Philadelphia Packing Box Co., 2624 American
Provident Lumber Co., Water c Dickinson
Rice T. B. & Sons Co., Mifflin st wharf
Shoemaker's J. B. Sons, Front & E Clearfield
Treen Box Co., Tioga & Memphis
PITTSBURGH—Keystone Box Co., 26th & Liberty av
Kress F. J. Box Co., 2930 Liberty av
READING—Deysher Abner S.
SCRANTON—Newman J. J. Lumber Co.

### RHODE ISLAND.

PAWTUCKET—Polsey J. N. & Co.
PROVIDENCE—Darling C. P. Co., 415 Charles
Presbrey A. A. & Son Co., Summer
Providence Box & Lumber Co., 1101 Cranston
Talbot Bros. Co., Grosvenor bldg

### SOUTH CAROLINA.

CHARLESTON—Woodstock Mfg. Co.

### TENNESSEE.

CHATTANOOGA — Hamilton Lumber & Box Co.
KNOXVILLE—Holston Box & Lumber Co.
MEMPHIS—Anderson-Tully Co.
Jorgensen-Bennett Mfg. Co.
Moore & McFerren
Morgan-West Box Co.
Three States Lumber Co.
NASHVILLE — Lieberman, Loveman & O'Brien

### VERMONT.

BENNINGTON—Bingham J. B.
BURLINGTON—Crane W. & D. G. Co.
Hickok Horatio Co.
Robinson Edwards Lumber Co.
MORETOWN—Ward Lumber Co.
RICHMOND—Richmond Lumber Co.

### VIRGINIA.

NORFOLK—American Box & Lumber Co.
Norfolk Veneer Co.
PETERSBURG—Virginia Lumber & Box Co.
RICHMOND—Allegheny Box Co., 601 Byrd
Lea David M. & Co. (Pine), 1922 E Maine
Miller Mfg. Co., 7th & Stockton

### WASHINGTON.

GOLDEN DALE—Cameron J. E.
SEATTLE—Bennett H. L. Box Factory
Stetson & Post Lumber Co.
TACOMA—Pacific Box Co.

### WISCONSIN.

BEAVER DAM—Beaver Silo & Box Mfg. Co.
CATO—Killen W. N.
EAU CLAIRE — Lindermann Box & Veneer Co.
GRAND RAPIDS—Badger Box & Lumber Co.
JANESVILLE—Magee Bros.
MANITOWOC—Drost H. Box Mfg. Co.
Schnorr Bros. Co.
MARINETTE—Republic Box Co.
Marinette & Menominee Box Co.
MILWAUKEE—Beck August C. Co., 1-30 East
Hays George W., 228 5th
Kieckhefer Box Co., 16th St. Viaduct
Mueller & Son Co., 361 Canal
OCONTO—Oconto Co.
SUPERIOR—Superior Box Co.
WASHBURN—Kenfield, Lamoreaux Co.
WATERLOO—Neupert & Budwig
WAUKESHA—Waukesha Mfg. Co.
WAUSAU—Goodwillie Bros.
Wausau Box & Lumber Co.
Wisconsin Box Co.

## 10452—*Packing (Condenser)

**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler" Improved), Carteret, N. J. *See adv index at end of book*

## 10452a—Packing Flange Joints

**DOMINION ASBESTOS & RUBBER CORP.** ("Darcoid," "Petrolite"), 154 Nassau, New York.
*See adv index at end of book*

## 10453— Packing (Flax)

Allen W. D. Mfg. Co. ("Arrow." Emergency"), 566 West Lake st, Chicago, Ill.
*See adv index at end of book*
American Steam Packing Co., 165 High, Boston, Mass.
Anchor Packing Co. ("Ankorite"), Lafayette bldg, Phila., Pa.
Bailey John T. Co., 19th & Washington Phila., Pa.
Barbour Flax Spinning Co., Paterson, N. J.
Chesterton A. W. Co. ("Egyptian," "Chesterton," "Boston," "Sterling," "Hydraulic"), 64 India, Boston, Mass.
Combination Rubber Mfg. Co. (Standard Square), Bloomfield, N. J.
Crandall Packing Co., Palmyra, N. Y.
Dealers Steam Packing Co., Palmyra, N. Y.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
General Asbestos & Rubber Co. ("Gilt Edge," "Chicora," "Commercial," "Garco Waterproof," Charleston, S. C.
Hollow Center Packing Co., 608 S Dearborn, Chicago, Ill.
Home Rubber Co., Trenton, N. J.
Jackson Thos. & Son Co., Reading, Pa.
Janos Asbestos Co., 26 Cortlandt, New York
Johnson H. Co. (Beaver," "Merino"), ft. of Gates av, Jersey City, N. J.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**METRIC PACKING CO., INC.,** 244 Kensington av, Buffalo, N. Y.
*See adv index at end of book*
National India Rubber Co., Bristol, R. I.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Robinson & Jans, Winthrop, Minn.
**STRONG MACHINERY & SUPPLY CO.** ("Strong's Best"), 21 Walker, New York *See adv index at end of book*
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*
Wing J. T. & Co., 19 Woodward av, Detroit, Mich.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 10454—Packing (Flexible Fibre)

Austin, Mason & Co., 15 Park Row, New York
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
*See adv index at end of book*
**BETTES & EBSON,** 152 Chambers, New York
*See adv index at end of book*
Dominion Asbestos & Rubber Corp. ("Darcoid" "Flangetite" "Grafite"), 154 Nassau, New York
*See adv index at end of book*
Endura Mfg. Co. ("Endura" for Oil & Water), 63d & Eastwick, Phila., Pa.
Fibre Finishing Co. ("Vellumoid," for Oil, Gasoline & Water), 73 Tremont, Boston, Mass.
Field R. B. & Co. ("Fieldco"), Worcester, Mass.
Gasket Supply Co. ("Right Vello" for Oils, Chemicals, and Water), 1927 Ludlow, Phila, Pa.
*See adv index at end of book*
Geotz Gasket & Packing Co., New Brunswick, N. J.
National Fibre & Insulation Co., Yorklyn, Del.
Spaulding J. & Sons Co., Inc. (For Oils, Chemicals & Water), P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*

## Packing (Hard Fibre)

See Fibre, Hard

## 10455— Packing (Hemp)

Bailey J. T. Co., 19th & Washington, Phila., Pa.
Barbour Flax Spinning Co., Paterson, N. J.
Chelsea Fibre Mills, 212 5th av, New York
Dealers Steam Packing Co., Palmyra, N. Y.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Hoover & Allison Co., Xenia, O.
Jackson Thos. & Son Co., Reading Pa.
Peter & Guckenberger (American & Italian), 1205 Budd, Cincinnati, O.
Plymouth Cordage Co., No. Plymouth, Mass.

## 10455a—Packing (High Pressure)

Danubil Co. Inc. Postal Telegraph bldg., New York
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Goetz Gasket & Packing Co., New Brunswick, N. J.
Jenkins Bros., 80 White, New York
United States Rubber Co., 1790 B'way, New York
Walker James & Co., Ltd., 46 West, New York
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

## 10456— Packing (Hoof)

Atkins & Durbrow, 157 Water, New York
Hollingshead R. M. Co., Camden, N. J.

## 10457—Packing (Hydraulic)

Anchor Packing Co. ("Ankorite" Waterproof, Flexible, Rubber Cushion, Metal Faced, etc), Lafayette bldg, Phila., Pa.
Austin, Mason & Co., 15 Park Row, New York
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Carey Phillip Mfg. Co. (Asbestos), 330 Wayne av, Lockland, Cincinnati, O.
Chesterton A. W. Co. ("Chesterton Hydraulic Flax"), 64 India, Boston, Mass.
Chicago Rawhide Mfg. Co. (Rawhide), 1301 Elston av, Chicago, Ill.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Combination Rubber Mfg. Co. (Hard & Semi-Hard Rings), Bloomfield, N. J.
Dealers Steam Packing Co., Palmyra, N. Y.
Detroit Leather Specialty Co. ("Wear Well" Leather), 275 Beecher av, Detroit, Mich.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Elmes Chas. Engineering Works, Inc., cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
**GASKET SUPPLY CO.,** 1927 Ludlow, Philadelphia, Pa. *See adv index at end of book*
General Asbestos & Rubber Co. ("Garco," "Chicora," "Gilt Edge," "Garco Waterproof," "Commercial"), Charleston, S. C.
Goetze Gasket & Packing Co. ("Goetze"), New Brunswick, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hewitt Rubber Co. ("Pearl," "Magnus," "White Seal"), Buffalo, N. Y.
Hollow Center Packing Co., 608 S Dearborn, Chicago, Ill.
Home Rubber Co., Trenton, N. J.
Imperial Packing Corp., 191 Greenwich, New York
Johnson H. Co. ("Sable," "Johnson's," "Clay"), ft Gates av, Jersey City, N. J.
Kendrick Valve & Washer Co., Syracuse, N. Y.
**McQUAY-NORRIS MFG. CO.** ("Leak-Proof" Piston Head), Cooper & Southwest aves, St. Louis, Mo.
*See adv index at end of book*
Mabbs Hydraulic Packing Co., 421 Manhattan bldg, Chicago, Ill.
*See adv index at end of book*
Martell Packings Co., Inc., (Metal), Elyria, Ohio
Michigan Leather Packing Co. (Leather), 110 Antoine, Detroit, Mich.
**METRIC PACKING CO. INC.** ("Metric" Flax, Waterproof Hydraulic & Fine Hydraulic), 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*
Muleonroy Co., 54th & Jefferson, Phila., Pa.
National Leather Mfg. Co. (Rawhide Leather), Niles, Mich.
New York Belting & Packing Co. ("Amazon" Waterproof), 91 Chambers, New York
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Schlichter Jute Cordage Co. (Jute Sail Wrapping, Tobacco, etc), 20 N Front, Phila., Pa.
Steel Mill Packing Co., 42 W Larned, Detroit, Mich.
Strong Machinery & Supply Co. ("Strong's Aquaproof"), 21 Walker, New York
*See adv index at end of book*
U. S. Rubber Co., 1790 B'way, New York
Walker Chas. W. Sons & Co. (Leather), 274 Market, Newark, N. J.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*
Western Rawhide & Belting Co. (Rawhide), 600 So. Pierce, Milwaukee, Wis.
Whitehead Bros. Rubber Co., Trenton, N. J.
Wolverine Leather Goods Co., Jefferson & Case avs, Detroit, Mich.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 10458—Packing (Hydraulic Metal)

**McQUAY-NORRIS MFG CO.,** ("Leak-Proof" Piston Head), Cooper & Southwest aves, St. Louis, Mo.
*See adv index at end of book*
Martell Packing Co., Inc., Elyria, O.
**NIAGARA FALLS (ONT.) GASKET & PACKING CO.,** Church & Fulton, New York *See adv index at end of book*

## 10459—Packing (Journal Box)

Austin, Mason & Co., 15 Park Row, New York
**BRAWLEY T. R.** (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Railway Journal Packing Co., 233 B'way, New York
Wyoming Yarn Co. ("Wypap," Woolen Yarn), Wyoming, R. I.

## 10460— Packing (Jute)

Allentown Spinning Co., Allentown, Pa.
American Mfg. Co., Noble & West, Brooklyn, N. Y.
Bailey John T. Co., 19th & Washington, Philadelphia, Pa.
Barbour Flax Spinning Co., Paterson, N. J.
Chelsea Fibre Mills, 212 5th av, New York
Dealers Steam Packing Co., Palmyra, N. Y.
Dominion Asbestos & Rubber Corp, 154 Nassau, New York
*See adv index at end of book*
Hollow Center Packing Co., 608 S Dearborn, Chicago, Ill.
Hooven & Allison Co., Xenia, O.
Jackson Thos. & Son Co., Reading, Pa.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**METRIC PACKING CO., INC.,** 244 Kensington av, Buffalo, N. Y.
*See adv index at end of book*
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Schlichter Jute Cordage Co., 20 N Front, Phila., Pa.
Stratford Geo. Oakum Co., Cornelison av, Jersey City, N. J.
Strong Machinery & Supply Co. ("Strong's" Round Twist Jute), 21 Walker, New York *See adv index at end of book*
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*
Winne F. W. & Son (Tarred & Untarred), 237 Market, Phila., Pa.

## 10461— Packing (Leather)

Auburn Leather Goods Co., Auburn, N. Y.
**BARWOOD L. J. MFG. CO.** ("Barwood"), Stoneham 80, Boston, Mass.
*See adv index at end of book*
Chicago Rawhide Mfg. Co. ("Krome"), 1301 Elston av, Chicago, Ill.

WASHERS — BARWOOD — GASKETS
ESTABLISHED 1900
"BARWOOD"
LEATHER PACKINGS
"B. S."—"Treated Oak"—"Oak"
Send B/P or specifications, naming quantities, and receive our attractive prices by return mail. Prompt service.
L. J. BARWOOD MFG. CO.
Stoneham 80, BOSTON, MASS.

Detroit Leather Specialty Co. ("Wear Well," Hydraulic Leather), 275 Beecher av, Detroit, Mich.
Dominion Asbestos & Rubber Corp, 154 Nassau, New York
*See adv index at end of book*
Dragon Mfg. Co., Marietta, Ohio
Field R. B. & Co. ("Fieldco"), Worcester, Mass.
Goetze Gasket & Packing Co., New Brunswick, N. J.
Graton & Knight Mfg. Co. (Mfrs.), 247 Mission, San Francisco, Cal. & Worcester, Mass.
Houghton E. F. & Co. (Hydraulic "Vim"), 240 W Somerset, Phila., Pa.
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Mabbs Hydraulic Packing Co., 421 Manhattan bldg., Chicago, Ill.
*See adv index at end of book*
Marsh Chas. W. Co., Muskegon, Mich.
Michigan Leather Packing Co. ("High Grade"), 110 Antoine, Detroit, Mich.
National Leather Mfg. Co. (Rawhide), Niles, Mich.
Niagara Falls (Ont.) Gasket & Packing Co., Church & Fulton, New York
*See adv index at end of book*
Robertson Jno. & Co. (Hydraulic), 133 Water, Brooklyn, N. Y.
Strong Machinery & Supply Co. ("Strong's") 21 Walker, New York
*See adv index at end of book*
WATSON-STILLMAN CO., 38 Church, New York *See adv index at end of book*
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

W. P. S. LUBRA METALLIC PACKING
Made in Ring Form to Fit.
A Proven Success for Valve Stems, Piston Rods, Header Valves, Expansion Joints, Dryers, Cookers, Mangles, Pump Rods, Air Compressors, Turbines, Rotary Valve Stems and Centrifugal Pumps.
Send us Packing Specifications
WESTERN PACKING & SUPPLY CO.
231 No. Wells St. Chicago, Ill.

Wolverine Leather Goods Co., Jefferson & Case avs, Detroit, Mich.

## 10462—Packing (Locomotive Rod)

Austin, Mason & Co., 15 Park Row, New York
Goetze Gasket & Packing Co., New Brunswick, N. J.
Martell Packings Co., Inc., Elyria, Ohio
Q. & C. Co., 90 West, New York

## 10463— Packing Mfrs.

**See also Belting & Belt Appliances; also Mill & Factory Supplies; also Mineral Wool; also Pipe & Boiler Coverings, various kinds; also Waste, Cotton & Wool Mfrs.**

### CALIFORNIA.

SAN FRANCISCO—Pioneer Rubber Mills ("Victor," "Sunset," "Bay City," "Red Diablo," "Native," "Guardian," "Victor," "Golden Gate," & "Skookum" Diagonal Cross Expansion Piston Rod), 68 Sacramento
Cook H. N. Belting Co. ("Palmetto" Twist, all Asbestos), 401 Howard
Garrett-Callahan Co. ("Swart's"), 30 Fremont
Squires & Byrne Rubber Co. ("Comet," "Vesuvius," "Squires," "Ajax" Boiler Gasket)

### CONNECTICUT.

HARTFORD—Johns-Pratt Co., The ("Vulcabeston," Round or Flat, for Steam, Water, Gas & Acids, "Vulcabeston," Asbestos Rope, "Vulcabeston Red Fibre" Asbestos, Air, Hot Water, Steam, Ammonia, Acid & Alkali)

### DELAWARE.

WILMINGTON—DELAWARE HARD FIBRE CO. (Vulcanized Fibre). Works: Marshallton, Del.
*See adv index at end of book*
Wilmington Fibre Specialty Co.
*See adv index at end of book*
YORKLYN—National Fibre & Insulation Co.

### GEORGIA.

ATLANTA—Dixie Packing Co.

### ILLINOIS.

AURORA—Aurora Metal Co. (Metallic)
CHICAGO—Adkins, Young & Allan Co. ("A. Y. A."), 109 N Canal
Advance Packing & Supply Co. "Mico" Square Flax, "Bestallic," "Adpasco Perfection," "Tenax," & "Egyptian" Flax), Importers, 54 E Lake
Allen W. D. Mfg. Co. ("Arrow"), 566 W Lake *See adv index at end of book*
Beltine Chemical & Mfg. Co., 401 N. Sangamon
Cassco Bar Metallic Packing Co. (Metallic), 3559 Lincoln av
Central Asbestos & Magnesia Co., 214 W Grand av
Chicago Engineer Supply Co. ("Salamander," "Boylston," "Graphobesto," "Casco"), 68 W Lake
Chicago Rawhide Mfg. Co. ("Mabbs" Rawhide Hydraulic), 1301 Elston av
Continental Rubber Works (Of Erie, Pa.) ("Continental," "Tribune," "Liberty"), 180 N Market
Crane Co. (Est. 1885), ("Cranite," "C. C."), 836 S Michigan av
*For branch offices see Alphabetical Section*
High Speed Metallic Packing Co. (Metallic), 115 E S Water
Hodgart & Co. (Imp.), 122 S Michigan av
Hollow Center Packing Co. ("Hopaca"), 608 S. Dearborn, Chicago, Ill.
Jerome-Edwards Metallic Packing Co. ("Jerome" Metallic Valve Steam Piston Rod), 80 E Jackson blvd
Mabbs Hydraulic Packing Co., 421 Manhattan bldg., Chicago, Ill.
*See adv index at end of book*
New York Asbestos Co., 203 Front, New York
*See adv index at end of book*
Specialty Mfg. Co. ("S. M. C." Perpetual Metallic Rope), 14 E Jackson blvd
Swain Lubricator Co. (Metallic), 443 W. 37th
United Asbestos & Packing Co., 619-629 Washington blvd.
UNITED ASBESTOS & RUBBER CO. (Rubber), 231 S Wells st, Chicago, Ill. *See adv index at end of book*
Victor Mfg. & Gasket Co., 5750 Roosevelt rd
Western Packing & Supply Co. ("W. P. S." & "Casco" Metallic), 231 N 5th av
Wilcox E. A. Mfg. Co. ("Target" Valve Stem, Stop Valve Steam), 6330 Stony Island av
Williams-Bowman Rubber Co., 1947 S 54th av

### INDIANA.

ANDERSON—Anderson Rubber Works (Rubber)
GOSHEN—Western Rubber Co. (Rubber Sheet)
HUNTINGTON—Schacht Rubber Mfg. Co. (Rubber)
INDIANAPOLIS—Pioneer Brass Works ("Deeds" Metallic)
NEW ALBANY—Bowman D. F. Co. (Railroad)

### KENTUCKY.

LEXINGTON—American Metallic Packing Co. (Metallic)
LOUISVILLE—Cook Lee C. Mfg. Co. ("Cook's" Piston Rod, etc)

### LOUISIANA.

NEW ORLEANS—Boston Belting Co. (Reliance Machinery & Supply Co., (Rep.), 217 S Peters

### MAINE.

PORTLAND—Clark Flexible Metallic Packing Co. (Flexible Metallic)

*One of these is just what You Want for Some Purpose in your engine room, or around your plant*

Moulded Rubber Goods—
Asbestos Goods—
Asbestos Gaskets—
Asbestos Brake Lining—
Ash Cans—
Asbestos Wicking—
Asbestos Piston Packing—
Automobile Polish—
Babbitt Metal—
Auto Lubricant—E-z-ee Slip—
Balata Belt—
Belt Couplings—Chase—
Belting—Leather—
Belting—Cotton—
Rattan Mixed Brooms—
Canvas Hydraulic Packing—
Coal Scoops—Tisafine—
Diaphragms—Rubber—
Screw Drivers—Electric—
Waste Presses—Economy—
Metallic Ring Packing—
Flax Packing—
Packing Stocks—
Packing Hooks—
Scraping Tools—
Engineer's Caulking Chisels—
Filters—Strong's Improved—
Pump Valves—Strong's I. O. P.—
Hard Fibre Rings—sheet, etc.—
Oil Packing—Strong's I. O. P.—
Steam Packing—Tisafine—
Flake Graphite—
Metal Hose—
Rubber Hose—
Valve Discs—
Wiper Towels—

When you think of packing, think of Strong of New York
Strong Machinery & Supply Co., 21 Walker St., N. Y. C.

### MARYLAND.

BALTIMORE—Dominion Asbestos & Rubber Corp. ("Darcoid," "Rodtite," "Grafite," "Metal Prince," "Kid Skin," "Petrolite"), 418 East Pratt
*See adv index at end of book*
TEXAS—Maryland Belting & Packing Co.

### MASSACHUSETTS.

BOSTON—American Steam Packing Co. ("Diamond," "Smoky City" & "Favorite," "20th Century"), 165 High
Anderson G. P. & Co. (Engine & Pump), 65 Oliver
Boston Belting Corp. (Piston & Valve Rod "Diagon," "Ammonia," "Metal Insertion," "Noxall," "Forsyth Hollow Square," "Imperial" Round Red Core, "Excelsior," "Roxboro," "Phoenix," "Regular" Square Pump, "Rubber Back"), 84 Linden Park
**CHESTERTON A. W. CO. ("Metalbestos," "Lubrobestos," "Vaporite," "Rubberbestos," "Redbestos," "Metal Asbestos," "Sunset," "Pressure Proof" Sectional, "Expansion," "Atlantic," "Combination," "High Pressure," "Live Steam," "Carson," "Perfection," "Russo," "Fiberite," "Metallo," "Monarch," "Bestallic," "Sterling," "India," "Square," "Hydraulic"), 64 India**
**Curry Bros. Oil Co. ("Superba," "Mica Para," "Mica Asbestos"), 253 Franklin**
**Eagle Oil & Supply Co. ("Eagleine," Ring Square Flax, Hydraulic, etc), 104 Broad**
Federal Metallic Packing Co. (Flexible Metallic Fibred Compound for Ammonia, Air, Steam, Truck Boxes, etc), 48 Hanover
Fibre Finishing Co. ("Vellumoid"), 73 Tremont
Hart-Edison Packing Co., 234 State
**Hart Packing Co. ("Hart" & "Demon" Sheet), 144 High**
**Ireson C. L. ("Blue Blood"), 221 High**
**Knowlton Geo. W. Rubber Co. ("Brassite," "G. W. K.," "Hub," "Knowlton," "Manila," "Fraser"), 60 Pearl**
**Lockwood Mfg. Co. ("Monteagle" Piston Packing), 44 N Market**
Merrill Wm. B. & Co. ("Tripp" Metallic), Jamaica Plain
**Trainer C. W. Mfg. Co. (Asbestos Metallic), 55 High**
**Walworth Mfg. Co.**
CAMBRIDGE—Boston Woven Hose & Rubber Co. (Rubber "Bull Dog," "Tiger," "Red Sheet")
Gould Packing Co. (Ring, etc.)
CHELSEA—Revere Rubber Co. ("Usudurian," "Red Crescent," "Black Hawk," "Samson," "Shawmut," "Beacon," "Giant," "Revero," "Black Cross," "Four Ace," "Harlem," "Hi-Heat," "Paramo" & "1100")
EVERETT—Lubron Co. ("Lubron," "Knowlton," Lubricated & Rubber)
WORCESTER—Graton & Knight Mfg. Co.

### MICHIGAN.

**DETROIT—Detroit Leather Specialty Co. ("Wear Well" Hydraulic Leather), 275 Beecher av**
**Michigan Leather Packing Co. (Leather), 110 Antoine**
**Steel Mill Packing Co. ("Safety" Plastic Metallic ("Hi-Steam"), 42 W Larned**
**Wing J. T. & Co., 19 Woodward av**
**Wolverine Leather Goods Co. (For Ice Machine, Hydraulic, Flange & "U" Packings), Jefferson & Case avs**
**KALAMAZOO—New Era Mfg. Co. ("New Era" Compressible Self-Lubricating Metallic Engine Packing)**
MUSKEGON—Marsh Chas. W. Co.
**NILES—National Leather Mfg. Co. (Rawhide Leather, Self-Lubricating)**

### MINNESOTA.

ST. PAUL—Northern Metallic Packing Co. (Metallic), 253 E 8th
**Union Machine Co. (Plunger Plastic Packing), 183 University av**
**SOUTH STILLWATER—Ideal Metallic Packing Co. ("Ideal" Metallic)**

### MISSOURI.

KANSAS CITY—Kansas City Rubber & Belting Co., 710 Delaware
ST. LOUIS—Hoyt Metal Co. ("Faultless" Metallic), Boatmens' Bank bldg
**McQUAY-NORRIS MFG. CO. ("Leakproof"), Cooper & Southwest aves**
*See adv index at end of book*
Pilley Flue Brush Co. ("Pilley" Steam & Ammonia), 604 S 3rd

### NEBRASKA.

OMAHA—Paxton-Mitchell Co. ("Mitchell," Metallic)

### NEW HAMPSHIRE.

DOVER—Williams I. B. & Sons
NORTH ROCHESTER—Spaulding J. & Sons Co. (Fibre)
*See adv index at end of book*

### NEW JERSEY.

**BLOOMFIELD — Combination Rubber Mfg. Co. ("Dr. Braun's," "Bloomfield," "Indestructene," "Thermopok," also Cloth or Wire Insertion, Sheet, Ring, Round, Square, etc)**
**BOONTON—Boonton Rubber Co. (Hard Rubber & Asbestos Ring, etc)**
**CAMDEN—Asbestos & Rubber Wks of N. J. (Asbestos Sheet & Piston)**
COLLINGSWOOD — Allen Packing Co. ("Monitor," "Bitous")
**HAMILTON SQUARE—Mercer Rubber Co. ("Redbreast," Rubber, Plumbago, Oil Proof, Asbestos, etc)**
HAWTHORNE—La Favorite Rubber Mfg. Co. ("Perry," "American," "Golden Rod," "White Deer")
**JERSEY CITY—Berkeley Mfg. & Supply Co., 640 Pavonia av**
Johnson Henry Co. ("Phoenix," Ring Spiral, Hydraulic, Sheet, Square Flax, etc), ft. Gates av
**N. J. Car Spring & Rubber Co., 91 Brunswick**
Voorhees Rubber Mfg. Co. ("Nubian," Sheet, "Long Life," "Red Sheets," "Grapho-Bestos," Cloth or wire Insertion Sheet, Spiral, Square Flax, Gum Core, Dry Dock, "Federal," "Union," "Corona," "Power," 18 Bostwick av
**NEWARK—Ideal Automatic Governor Co. (metallic), 164 Emmet**
NEW BRUNSWICK — Goetze Gasket & Packing Co. (All Kinds for All Purposes, "Groetze," "Goetzerit," "Brunswick" "Rex," "Devo," "No. 2 Elastic" "Stempak" & "Triumph")
**PASSAIC—Manhattan Rubber Mfg. Co. ("White Enamel," "Kertiandt," "Magnet," "Mohican," "Viking," "Fulca," "Torpedo," "Headlight," "Golden Fleece," "Walrus," "Raven," "Delhi," "Carlissi," "Parenite," "Parenito," Sheet Rubber)**
**TRENTON—Acme Rubber Mfg. Co. ("Favorite," "Equality," "Durable," "Guarantee," "Acme," "Buffalo,"**
Empire Tire & Rubber Corp. (Rubber, all kinds; "Alabama," "Amazon," "Monitor," "Merrimac," "Paragon," "Empire's Best," "Model," "Sterling," "Eagle," "Diamond," "Vulcan," "Reliance" and "Hercules")
**Essex Rubber Co. (Rubber)**
Hamilton Rubber Mfg. Co. (Rubber)
Home Rubber Co. ("O. I. M.", "Red Rose" & "N. B. O." Rubber)
United & Globe Rubber Co. (Rubber)
Whitehead Bros. Rubber Co. ("C. L.," "C. B. S." Rubber, Red Sheet)
Woven Steel & Rubber Co. ("Defender" Rubber, Asbestos, Flax, Hydraulic, Sheet, Diagonal Valve, etc.)
WESTFIELD—Vulcan Asbestos Mfg. Co. ("Vulcan" H. P. Piston Rod, etc.)
**W North av**

### NEW YORK.

**ALBANY—Albany Rubber Tire Co. (Rubber)**
**AUBURN—Keystone Leather Packing Co. (Leather), 38-40 Market**
**BUFFALO—Hewitt Rubber Co. ("Elmwood," "Glenwood" & "Hollywood" Rubber & Sheet)**
**Lake Erie Mfg. Co. ("Ideal" Pump Valves & Plunger)**
Metric Packing Co., 244 Kensington av
*See adv. index at end of book*


# METRIC
## PACKING COMPANY

**General Office & Works, Buffalo, N. Y.**

**New York San Francisco Chicago**
**Buffalo Boston Pittsburgh**
**Cleveland Los Angeles Detroit**
**New Orleans**

MANUFACTURERS

of Gaskets of all kinds. Asbestos, Metallic, Rubber, Compressed Asbestos and Metallic.


CLIFTON SPRINGS—Judd & Leland Mfg. Co. (Leather)

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Ambrose Mach. Co. ("Ambrose" Metallic Self-Adjusting Piston), 254 Eagle
**American Mfg. Co. (Jute), Noble & West**
Booth Felt Co., Inc., 440 19th
Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
**Clinton Mfg. Co., 83 Grand av**

#### Boroughs of Manhattan and Bronx.

**NEW YORK—American Huhn Metallic Packing Co. (Metallic), 233 Broadway**
**Asbestos & Rubber Works of Amer. ("Asbestolith" Sheet & Asbestos Metallic Sheet), 58th & Broadway**
**Austin, Mason & Co., 15 Park row, New York**
**Brandt Randolph ("Selden," Square Flap, "Enterprise," "Zena," "Magneto"), 70 Cortlandt**
**Burgman Feodor ("Burgman's Janos" Plate Asbestos Sheets), 26 Cortland**
**Colgan Mfg. & Supply Co. ("Colgan," High Pressure & Sheet), 118 Maiden la**
Consolidated Packing & Supply Co. (Ammonia, Sheet, Steam & Water), 21 Barclay
Cooley Mfg. Co. ("Omega"), 98 Park pl
Davidson M. T. Co. ("Watson"), 154 Nassau
**Dominion Asbestos & Rubber Corp. ("Darioed," "Rodtite," "Grafite," "Metal Prince," "Kid Skin," "Petrolite"), Tribune bldg, 154 Nassau, New York**
*See adv index at end of book*
**Durabla Mfg. Co. ("Durabla," Sheet), 114 Liberty**
Edgecumbe J. C. & Co. ("Edgecumbe" Elastic Metal), 149 B'way
**Empire Rubber & Tire Co. (Rubber, All Kinds), 148 Chambers**
**Eureka Packing Co. ("Eureka," Rod, etc), 78 Murray**
**Excelsior Valve Co. (Water), 108 Fulton**
**Goodyear Rubber Co. & Rubber Clothing Co. ("Pioneer," "Red Wing," "Black Wing," "Everlast Asbestos" & "Gold Seal"), 787 B'way**
**Greene, Tweed & Co. ("Crescent," "Manhattan," "Palmetto," "Royal" & "Union"), 109 Duane**
**Gutta Percha & Rubber Mfg. Co. ("Triple Sheet" Pure Gum, Round, Square & Sheet, "Pyramid Blue Stone" & "Red Jacket" High Pressure & Wire Insertion), 126 Duane**

Imperial Packing Corp., 191 Greenwich
Janos Asbestos Co. (Asbestos, Engines, Flex, High Pressure, Piston Steam, Superheat Sheet), 26 Cortland
**Jenkins Bros. ("Jenkins 96," "Jenarco"),** 80 White
Johns-Manville H. W. Co. ("Vulcabeston," "Kearsarge," "Service," "Sea Rings," "Mogul," "Mobilene" "Hydro," "Liberty," Air Brake Ring, Metallic, Wick & Rope), Madison av & 41st
Katzenstein Leopold & Co. (Metallic & Flexible Tubular Metallic), 358 West
Kern Commercial Co. ("Kernite," "Sparsam," "Servitor" **High Pressure Steam**), 114 Liberty
Koebig, P. W. Estate of, 116 Broad
Magnolia Metal Co. ("Magnolia," Metallic), 113 Bank
*See adv index at end of book*
Maguire Rubber Co., 20 Church
New Jersey Asbestos Co. (Asbestos, Ring, Spiral & Sheet), 1 Water
New York Belting & Packing Co. **(Pure Sheet, Cloth Insertion Sheet, "Ruby" Sheet, "Salamanda" Sheet, "Cobb's" Round, Square & Spiral Piston, "Amazon" Waterproof Hydraulic, "Vulcan," "Magic," "Double Diamond," "Tucks," "Karbonite," "Carbon," "Spider," "Firo," "Turxo."** High Pressure Square & Rubber Back Piston), 91 Chambers
New York Insulated Wire Co. ("Lightning Non-Tubular"), 84 State, Boston, Mass.
**NEW YORK RUBBER CO.** (Hot and Cold Water & Steam), Reade & Church; 323 W Randolph, Chicago, Ill.
Niagara Falls (Ont.) Gasket & Packing Co., Church & Fulton
*See adv index at end of book*
**POWER SPECIALTY CO.** (Imp.) (Duval" Metallic), 111 B'way
*See adv index at end of book*
Roberts Geo. I. & Bros. (Square, Flax Packing), 471 4th av
**STRONG MACHINERY & SUPPLY CO.** (Steam, Ammonia, Hydraulic, Asbestos, etc., "Tisafine," "Dichtungsgummi," "Grapho-Asbestos," "Cocheco," "Rivalite," "Wolverine," "Kingfisher - Hydraulic," "Crown," & "Bull Frog Rivalite," "Grapho Rivalite," "Featherlite" Metallic), 21 Walker
*See adv index at end of book*
United States Indestructible Gasket Co., Church & Fulton
*See adv index at end of book*
United States Rubber Co., 1790 B'way
Vanda Co. ("Vanda"), 25th & Madison av
Vulcan Asbestos Mfg. Co. ("Vulvabestos"), 95 Broad
Walker Jas. & Co. (Ltd.), ("Lion," "Sem," Metallic), 46 West

**(End of New York City)**

**PALMYRA**—Crandall Packing Co. (All Kinds for All Purposes, "Helios," "Helimoi," "Kymoi," "Lip," "Ethiopia," "Wilpaco," "Keeptite," "Phoenix," "Helios Stine," "Permabestos," "Safety," "Buckeye," "Climax," "Rex," "S. S. S.," "Tucks," "W. P. H.," "Southdown," "Motorite," "Blackthorn," "Regina")
Dealers Steam Packing Co. (Hemp & Flax
Garlock Packing Co. (All Kinds for All Purposes)
SYRACUSE—Kendrick Valve & Washer Co. (Leather)
TONAWANDA—Spaulding J. & Sons Co., Inc. (Fibre), P. O. Box 52
***See adv index at end of book***

## OHIO.

**AKRON** — Akron Metallic Gasket Co. ("Fibrebestos" & "Valvetite" Metallic)
Goodrich B. F. Co. (Sheet, Piston & Valve Rod Packings in All Styles & Grades)
Goodyear Tire & Rubber Co. ("Red Wing" Sheet Rubber)
CINCINNATI—Cincinnati Rubber Mfg. Co. ("Cincinnatus," "Congo," "Fidelity," "Norka," "Norwood," "Old Crow," "Sandow," "Wampus," Rubber)
Nuhring Chas. & Bro. ("I. X. L." Spiral, Square Ring, Piston & Sheet, etc.), 1212 Walnut
Peter & Guckenberger, 1205 Budd
CLEVELAND — Consumers' Rubber Co. ("Superior"), 829 Superior
ELYRIA — Martell Packings Co., Inc. The ("20th Century," "Martell," Metallic for Superhead Steam
SPRINGFIELD—Victor Rubber Co. ("Viruco" Sheet, etc)

## PENNSYLVANIA.

AMBLER—Keasbey & Mattison Co. (Cylinder & Steam Asbestos "Battle")
BRADDOCK—Jones Jno. C. Fremont
**CHESTER—Harper Mfg. Co. ("Harper"** Metallic)
ERIE—Continental Rubber Works ("Tribune," "Continental," "Liberty")
Lake Erie Rubber Co. (Rubber)
Watson H. F. Co. (Asbestos Braided, Piston Rod, Core Wicks, etc)
FRANKLIN—Franklin Mfg. Co. ("Perfection" Resilient Waste for Journal Box, Piston Rod, etc)
JEANNETTE—Pennsylvania Rubber Co. ("Century" White Sheet & Wire Insertion, "Creole" Black Sheet, also Rubber Back, Pure Sheet, Diaphragm, etc.)
LANCASTER—United States Asbestos Co. ("Usa-Co." "Carbuline" Asbestos)
NORRISTOWN—American Asbestos Co. (Asbestos Metallic Sheet, Asbestos Rod, Ring, Wick, Rope & Braided)
NORTH WALES—Asbestos Fibre Spinning Co. (Asbestos Rope, Wicks, Sheet, etc)
PHILADELPHIA—Anchor Packing Co. ("Ankorite," "Sedgley," "Allegheny," "Capstan," "Baldwin," "Brooks," "Tauril"), Lafayette bldg
Belmont Packing & Rubber Co. ("Belmont", Square Flax, Gum Core, Air Pump, Throttle Valve, etc), 133 N 2d
Brown D. P. & Co. (Brown's Oil Proof Ring & Sheet, etc), 264 N 4th
Cancos Mfg. Co. ("Black Squadron" Metallic, "Rising Sun," "Globe," "White Squadron," "Pioneer"), **Garden & Bridge**
Collins Metallic Packing Co. ("Collins," Metallic) 56 N 2d
Dominion Asbestos & Rubber Corp. ("Darioed," "Rodtite," "Grafite," "Metal Prince," Kid Skin, "Petrolite"), 110 Walnut
*See adv index at end of book*
Double Service Packing Co., 244 Chestnut
Ehret Magnesia Mfg. Co., Land Title bldg
Endura Mfg. Co. ("Eudura" Flexible Fibre), 63d & Eastwick
Fibre Rock Mfg. Co. (Asbestos), 4566 Silverwood
France Packing Co. ("France" Fibrous, Sheet & Metallic), 6510 State Road, Tacony
**GASKET SUPPLY CO.** ("Right" & "Gasco"), 1927 Ludlow
*See adv index at end of book*
Houghton E. F. & Co. ("Vim," Leather), 240 W Somerset
Latta Jno. S. & Co., 1318 Arch
Montgomery Bros., 45 S 2d
Morris Metallic Packing Co. (Piston Rod & Valve Stem Packings), **Lehigh av & Mutter**
Mulconroy Co. ("Black Jack," "Indian," "Quaker," "Pilgrim," "Puritan," "Thorobred," "Victor," "Admiral" & "Monitor"), **54th & Jefferson**
National Mfg. & Engineering Co. (Adjustable Metallic Cushion), 1539 Race
Penna. Petroleum & Supply Co. ("Fibertan"), 115 N 2d
Quaker City Rubber Co. ("Atlantic," "Daniel's P. P. P. Rod," "Ebonite" Black Sheet Packing, "Skihi," "Hercules" & "Delta" Red Sheet, "Kaloric" High Pressure Sheet, Cloth Insertion, Wire Insertion, "Ebonite," "Regal," "Holetite" Spiral "Crown" Spiral & "Valvolite" Valve Stem Packing), 629 Market
Ruwell Wm. F. (Cylinder), 719 Noble
Schlichter Jute Cordage Co. (Jute), 20 N Front
Schultz Patent Rubber Co. ("Tuck," "S. F.," "Bar None," "Armada")
Skipton Valentie Co., 221 Arch
Underwood H. B. & Co. ("St. John" Self-Adjusting Cylinder Packing), 1025 Hamilton
U. S. Metallic Packing Co. ("King," Metallic Piston Rod & Valve Stem, etc), 221 N 13th
Walker Thos. & Sons (Metallic), 4619 Tacony, Fkd.
Walsh Packing Co. ("Black Jack," "W. D. M.," Metal Face, Steam & Water), 304 New
Watt's Jno. M. Sons ("Dirigo," "Nonpareil" & "Keystone"), 54 N 2d
Winne F. W. & Son (Tarred & Untarred Jute), 237 Market
**PITTSBURGH—Chaplin-Futon Mfg. Co. ("Rogers"), 34 Penn av**
**COLONIAL SUPPLY CO.** ("Colonial," "Continental"), 217 Water
*See adv index at end of book*
Flocker Jno. & Co. (Ltd.), Lubricating Hemp), 957 Liberty
Frick & Lindsay Co. (Dealers Only), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Gerwig H. & Sons, 1301 Penn av
Pittsburgh Gage & Supply Co. ("Bestovall," "Fort Pitt" Sheet, "Fort Pitt" Spiral), 30th & Liberty av
WILKES-BARRE—Holmes Metallic Packing Co. (Metallic Piston Rod & Valve Stem)

## RHODE ISLAND.

BRISTOL—National India Rubber Co. ("Bristol," "National," "Fidelity," "Narragansett," "Stanhope," "N. I. R." Rubber, etc.)
PROVIDENCE — MacWatty Belting Co., 7 Beverly
WYOMING—Wyoming Yarn Co. ("Wypap" Woolen Yarn for Journal Boxes)

## SOUTH CAROLINA.

CHARLESTON—General Asbestos & Rubber Co. "Chicora Commercial," "Ideal," "Garco Waterproof," "Dixie," "Valbestine," "Semi-Bronze," "Morocco," "Sumter," "Gilt Edge," "Hecla," "Semihecla," "Diagonal Expansion," "Heclabronze," "Helicord")

## VIRGINIA.

NORFOLK—Dominion Asbestos & Rubber Corp. ("Darcoid," "Rodtite," "Grafite," "Metal Prince," "Kid Skin," "Petrolite"), 8 Governor
*See adv index at end of book*
RICHMOND—Glacier Metal Co. ("Ribbonized," Metallic), Hull & 22d

## WISCONSIN.

CUDAHY—Federal Rubber Co., The (Rubber, all Grades)
MILWAUKEE—Delaney Oil Co. (Metallic), 47 3rd
Hoyer Engineering Co. (Metallic), 281 Grove
Western Rawhide & Belting Co. **(Rawhide) 600 So Pierce**
OSHKOSH—Oshkosh Bottle Wrapper Co.
STEVENS POINT—Comee Metallic Packing Co. (Metallic)

## 10463a— Packing (Marine)

American Standard Slipfitting Corp., 115 B'way, New York
*See adv index at end of book*
Mabbs Hydraulic Packing Co., 421 Manhattan bldg, Chicago, Ill.
*See adv index at end of book*
**Martell Packings Co., Inc., Elyria, Ohio**

## 10464— Packing (Metallic)

Advance Packing & Supply Co. ("Adpasco"), 54 E Lake, Chicago, Ill.
**Ambrose Machine Co. ("Ambrose" Self-**Adjusting Piston), 254 Eagle, Brooklyn, N. Y.

PACKING (METALLIC)—continued

American Asbestos Co. ("Ambesco" Sheets), Norristown, Pa.
American Huhn Metallic Packing Co. ("Huhn"), 223 B'way, New York
American Metallic Packing Co. (For Steam), Lexington, Ky.
**AMERICAN STANDARD SHIPFITTINGS CORP.,** 115 B'way, New York
*See adv index at end of book*
American Steam Packing Co. (Asbesto-Metallic), 165 High, Boston, Mass.
Anchor Packing Co. ("Ankorite"), Lafayette bldg, Phila., Pa.
Asbestos & Rubber Works of Amer. (Asbestos, Sheets), 58th & B'way, New York
Aurora Metal Co. ("Lewis & Kunzer" Piston), Aurora, Ill.
Austin, Mason & Co., 15 Park row, New York
Boston Belting Corp. ("Forsyth" Combination), 84 Linden Park, Boston, Mass.
Callossus & Rhodes, 216½ Milton, Shreveport, La.
Cancos Mfg. Co. ("Black Squadron"), Garden & Bridge, Philadelphia, Pa.
Cassco Bar Metallic Packing Co., 3559 Lincoln av, Chicago, Ill.
Clark Flexible Metallic Packing Co. (Flexible Metallic), Portland, Me.
Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Collins Metallic Packing Co. ("Collins"), 56 N 2d, Phila., Pa.
Colonial Supply Co. ("Colonial"), 414 1st av, Pittsburgh, Pa.
*See adv index at end of book*
Comee Metallic Packing Co., Stevens Point, Wis.
Cook C. Lee Mfg. Co. ("Cook's," Piston & Corliss Valve Stem, etc), Louisville, Ky.
Crane Packing Co. (Piston Rod), 1800 Cayler, Chicago, Ill.
Davidson M. T. Co. ("Watson's" Piston Rod, etc), 154 Nassau, New York
Detroit Leather Specialty Co. ("Wear-Well Regal"), 275 Beecher av, Detroit, Mich.
Edgecumbe J. C. & Co. ("Edgecumbe" Elastic), 149 B'way, New York
Eureka Packing Co. ("Ambest"), 76 Murray, New York
Federal Metallic Packing Co. ("Pactite" & Flexible Metallic Fibred Compound), 48 Hanover, Boston, Mass.
France Packing Co. (Piston & Valve Rod, etc), 6510 State rd, Tacony, Phila., Pa.
Garlock Packing Co., Palmyra, N. Y.
General Asbestos & Rubber Co. ("Sumter," Semi-Bronze), Charleston, S. C.
Goetze Gasket & Packing Co. ("Rex" & "Goetze" for Saturated Steam, Superheated Steam, Cold & Hot Water & for Highest Steam & Water Pressures), New Brunswick, N. J.
Hammett H. G. ("Trojan" for Piston Rods & Valve Stems), Troy, N. Y.
Harper Mfg. Co. ("Harper"), Chester, Pa.
Hartford Engine Works ("St. John" Self-Adjusting Cylinder), Hartford, Conn.
Hatch E. W. ("Hatch"), 14 L, Boston, Mass.
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*
High-Speed Metallic Packing Co. ("Perpetual" High Speed), 115 E S Water av, Chicago, Ill.
Holmes Metallic Packing Co. (Piston Rod & Valve Stem), Wilkes-Barre, Pa.
Hoyer Engineering Co., 281 Grove, Milwaukee, Wis.
Ideal Automatic Governor Co., ("Ideal" Piston & Valve Rod), 164 Emmet, Newark, N. J.
Ideal Metallic Packing Co., South Stillwater, Minn.
Jerome-Edwards Metallic Packing Co. ("Edwards" "Jerome"), 80 E Jackson blvd, Chicago, Ill
Johnson H. Co. ("Johnson's" Asbestos Metallic Sheet, etc), ft Gates av, Jersey City, N. J.
Katzenstein Leopold & Co., 358 West, New York
Locomotive Finished Material Co. ("Pakring Metal"), Atchison, Kans.
Lubricating Metal Co. ("Noheet"), 2 Rector, New York
McQUAY-NORRIS MFG. CO. Cooper & Southwest avs ("Leakproof" Piston Head), St. Louis, Mo.
*See adv index at end of book*
Magnolia Metal Co. ("Magnolia"), 113 Bank, New York
*See adv index at end of book*
Martell Packings Co., Inc. ("20th Century," "Martell," for Hydraulic Service & Gas Engines, Elyria, O.
Martin A. E. Foundry & Machine Co., 705 Park, Milwaukee, Wis.
Merrill Wm. B. & Co. ("Tripp" for Piston Rods, etc), Jamaica Plains, Boston, Mass.
METRIC PACKING CO., INC. ("Metric" Metal Packings for Horizontal & Vertical Piston Rods), 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*
Morris Metallic Packing Co. (Piston Rod & Valve Stem), Lehigh av & Mutter, Phila., Pa.
National Mfg. & Engineering Co. ("American" Adjustable Metallic Cushion), 1539 Race, Phila., Pa.
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
New Era Mfg. Co. ("New Era" Compressible Self-Lubricating Metallic Engine Packing), Kalamazoo, Mich.
Niagara Falls (Ont.) Gasket & Packing Co., Church & Fulton, N. Y.
*See adv index at end of book*
Northern Metallic Packing Co., 253 E 8th. St. Paul, Minn.
Paxton-Mitchell Co. ("Mitchell"), Omaha, Neb.
POWER SPECIALTY CO. (Imp.) ("Duval"), 111 B'way, New York
*See adv index at end of book*
Provost Engineering Corp., 216-224 B'way, New York
Revere Rubber Co. ("Giant" & "Samson," Spiral Piston, etc), Chelsea, Mass.
Specialty Mfg. Co. ("S. M. C." Perpetual Rope), 14 E Jackson blvd, Chicago, Ill.
Standard Asbestos Co., 75 Fulton, New York
Steel Mill Packing Co. ("Safety," Plastic Metallic), 42 W Larned, Detroit, Mich.
STRONG MACHINERY & SUPPLY CO. ("Strong's Rivalite" Metallic Loop & Semi-Metallic), 21 Walker, New York
*See adv index at end of book*
Swain Lubricator Co. (For All Engines, Pumps, Superheated Steam, etc), 443 W 37th, Chicago, Ill.
Trainer C. W. Mfg. Co. ("Asbestos Metallic"), 55 High, Boston, Mass.
United Lead Co. ("Ulco" Lead Wool), 111 B'way, New York
United States Metallic Packing Co. ("King," Piston Rod & Valve Stem, etc), 221 N 13th, Phila., Pa.
U. S. Indestructible Gasket Co. ("Ames Alloy"), Church & Fulton, New York
*See adv index at end of book*
United States Rubber Co., 1790 Broadway, New York
Walker James & Co. (Ltd.), ("Lion"), 46 West, New York
Walker Thos. & Sons, 4619 Tacony, Fkd., Phila., Pa.
Walsh Packing Co., 304 New, Phila., Pa.
Watson H. F. Co. (Asbestos), Erie, Pa.
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

W. P. S.
HIGH GRADE LEATHER CUPS
for all conditions
Made from
SELECTED LEATHER AND SPECIALLY TREATED
WESTERN PACKING & SUPPLY CO.
231 No. Wells St. Chicago, Ill.

## 10464a—Packing (Oil, Water & Gas)

**BRAWLEY T. R.** (Oil, Felt), 275 20th, Brooklyn, N. Y
*See adv index at end of book*
Dominion Asbestos & Rubber Corp., 154 Nassau, New York.
*See adv index at end of book*
Mabbs Hydraulic Packing Co. (Oil & Water), 421 Manhattan bldg., Chicago, Ill.
*See adv index at end of book*
NIAGARA FALLS (ONT.) GASKET & PACKING CO. ("Niaquatite," a sheet packing for oil, water, air, gas, etc), Church & Fulton, New York
*See adv index at end of book*
Union Asbestos & Rubber Co., 231 S Wells, Chicago, Ill. *See adv index at end of book*
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

## 10465—Packing Pads (Excelsior)

**BOSTON EXCELSIOR CO.,** 26 Canal, Boston, Mass., & 11th av & 29th, New York
Excelsior Wrapper Co., Sheboygan.

## 10465a— Packing (Piston Rod)

**See Packing, Metallic; also Packing Manufacturers**

Mabbs Hydraulic Packing Co., 421 Manhattan bldg., Chicago, Ill.
*See adv index at end of book*
Western Packing & Supply Co., 231 N. Wells, Chicago, Ill.
*See adv index at end of book*

## 10466— Packing (Pump)

Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Continental Fibre Co. (Fibre), Newark, Del.
*See adv index at end of book*
Dominion Asbestos & Rubber Corp., 154 Nassau, New York.
*See adv index at end of book*
Mabbs Hydraulic Packing Co., 421 Manhattan bldg., Chicago, Ill.
*See adv index at end of book*
NIAGARA FALLS (ONT.) GASKET & PACKING CO., Church & Fulton, New York
*See adv index at end of book*
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

## 10467-8—Packing (Rawhide)

Brawley T. R., 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
Goetze Gasket & Packing Co., New Brunswick, N. J.
Janesville Products Co., Janesville, Wis.
National Leather Mfg. Co. (Self-Lubricating), Niles, Mich.
Mabbs Hydraulic Packing Co. ("Mabbs"), 421 Manhattan bldg, Chicago, Ill.
*See adv index at end of book*

Trade Mark MABBS Reg. U. S. Pat. Off.
MABBS RAWHIDE PACKING
Most pliable and durable packing made.
Never gets hard. Is ANTIFRICTIONAL. The saving in power will pay for the packing in a short time.
MABBS HYDRAULIC PACKING CO
421 Manhattan Building, Chicago, Ill.

Niagara Falls (Ont.) Gasket & Packing Co., Church & Fulton, New York
*See adv index at end of book*
STRONG MACHINERY & SUPPLY CO. ("Strong's" Square Platted Rawhide), 21 Walker, New York
*See adv index at end of book*
Western Rawhide & Belting Co. (White Rope), 600 So Pierce, Milwaukee, Wis.

## Packing (Red Sheet)

See Packing Sheet

## 10469—Packing (Resilient Waste)

Franklin Mfg. Co. ("Perfection, for Journal Box, Piston Rod, etc), Franklin, Pa.
Imperial Packing Corp., 191 Greenwich, New York

## 10470—Packing (Ring & Spiral)

American Asbestos Co. ("Ambesco" & Asbestos Metallic), Norristown, Pa.
American Balance Valve Co., Jersey Shore, Pa.
American Steam Packing Co., 165 High, Boston, Mass

Anchor Packing Co. ("Senator"), Lafayette bldg, Phila., Pa.
Anderson G. P. & Co., 65 Oliver, Boston, Mass.
Boonton Rubber Co. (Hard Rubber & Asbestos), Boonton, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Brawley T. R. (Felt for Various Purposes), 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
Brown D. P. & Co. (Brown's Oil Proof), 264 N 4th, Phila., Pa.
Cancos Mfg. Co. "Black Squadron"), Garden & Bridge, Phila., Pa.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Combination Rubber Mfg. Co. ("Indestructene," "Bloomfield" Sectional & Plain), Bloomfield, N. J.
Crandall Packing Co., Palmyra, N. Y.
Dealers Steam Packing Co. (Devil Skin" Superheated Steam), Palmyra, N. Y.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York.
*See adv index at end of book*
Durabla Mfg. Co. ("Durabla" Superheated Steam, Oil & Water), 114 Liberty, New York
Empire Tire & Rubber Corp., ("Empire's Best," "Model," "Sterling," "Reliance," "Hercules," "Eagle," "Diamond" & "Vulcan"), Trenton, N. J.
EVER TIGHT PISTON RING CO. ("Ever Tight"), 1600 Kingsland av, St. Louis, Mo.
Federal Metallic Packing Co. (Flexible Metallic), 48 Hanover, Boston, Mass.
Garlock Packing Co., Palmyra, N. Y.
General Asbestos & Rubber Co. ("Garco," "Helicord," "Semi-Bronze," "Hecla"), Charleston, S. C.
Goetze Gasket & Packing Co. ("Ideal"), New Brunswick, N. J.
Gould Packing Co., Cambridge, Mass.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hollow Center Packing Co., 608 S Dearborn, Chicago, Ill.
Ideal Metallic Packing Co. ("Ideal," Metallic), S Stillwater, Minn.
Imperial Packing Corp., 191 Greenwich, New York
Jerome-Edwards Metallic Packing Co., 80 E Jackson blvd, Chicago Ill.
Johns-Manville H. W. Co., Madison av & 41st, New York
Johnson Henry Co. ("Alden," "Moreland," "Remora," "Waldo." "Sable," "Clay," "Johnson's"), ft. Gates av, Jersey City, N. J.
Knowlton Geo. W. Rubber Co. "G. W. K." (And Spiral, Square & Round), 60 Pearl, Boston, Mass.
McQUAY-NORRIS MFG. CO. ("Leak-Proof" Piston Head), Cooper & Southwest avs, St. Louis, Mo.
*See adv index at end of book*
Martell Packings Co., Inc., Elyria, O.
METRIC PACKING CO., INC. (All kinds of Packing in Spiral Form), 244 Kensington av., Buffalo, N. Y.
*See adv index at end of book*
Michigan Leather Packing Co. (Leather), 110 Antoine, Detroit, Mich.
Mulconroy Co., 54th & Jefferson, Phila., Pa.
National India Rubber Co., Bristol, R. I.
New Jersey Asbestos Co., 1 Water, New York
New York Belting & Packing Co. (Rubber), 91 Chambers, New York
Niagara Falls (Ont.) Gasket & Packing Co. (Ring), Church & Fulton, New York *See adv index at end of book*
Pilley Flue Brush Co., 604 S 3d, St. Louis, Mo.
Quaker City Rubber Co. ("P. P. P.," "Donkey," "Crown"), 629 Market, Phila., Pa.
Revere Rubber Co. ("Revere," Lubricated) Chelsea, Mass.
STRONG MACHINERY & SUPPLY CO. ("Strong's Veri Best" Extra High Pressure Piston & Valve Rod), 21 Walker, New York
*See adv index at end of book*
United States Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*
Wing J. T. & Co., 19 Woodward av, Detroit, Mich.

## 10471—Packing (Rod & Plunger)

Barwood L. J. Mfg. Co. ("Barwood" Leather), Stoneham 80, Boston, Mass.
*See adv index at end of book*
Dealers Steam Packing Co., Palmyra, N. Y.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York.
*See adv index at end of book*
Field, R. B. & Co. ("Fields"), Worcester, Mass.
Goetze Gasket & Packing Co., New Brunswick, N. J.
Hollow Center Packing Co., 608 S Dearborn, Chicago, Ill.
Imperial Packing Corp., 191 Greenwich, New York
Johns-Manville H. W. Co. ("Sea Rings," "Mogul," "Kearsarge," "Universal"), Madison av & 41st, New York
Mabbs Hydraulic Packing Co., 421 Manhattan bldg., Chicago, Ill.
*See adv index at end of book*
Quaker City Rubber Co. ("Dragon," "Krusader," "Liberty Bell," "Made," "P.P.P.," "1776," "Uncle Sam" & "Valley Forge" Rod Packing), 629 Market, Phila., Pa.
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

## 10472— Packing (Sheet)

Adkins, Young & Allen Co. ("A. Y. A."), 109 N Canal, Chicago, Ill.
Advance Packing & Supply Co. ("Bestallic"), 54 E Lake, Chicago, Ill.
Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*
American Asbestos Co. ("Ambesco" & Asbestos Metallic), Norristown, Pa.
Anchor Packing Co. (Hydroil "Tauril," "Ankorite," "Asbestine"), Lafayette bldg, Phila., Pa.
Asbestos Fibre Spinning Co. ("Fibo" Asbestos Cloth & Brass Wire), North Wales, Pa.
Austin, Mason & Co., 15 Park Row, New York.
Belmont Packing & Rubber Co. ("Belmont"), 133 N 2nd, Phila., Pa.
Boston Belting Corp. ("Roxboro," "Champion," "Crescent," "Nox-en-all," "Black Diamond," "Elmwood," "Phoenix," "Trimount," "Flexite," "Regular"), 84 Linden Park, Boston, Mass.
Brawley T. R. (Felt for Various Purposes), 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
Burgmann Feodor ("Janos"), 26 John, New York
Cancos Mfg. Co. ("Black Squadron," "Pyramid"), Garden & Bridge, Phila., Pa.
Chesterton A. W. Co. ("Redbestos," "Rubberbestos," "Vaporite," "Russo," "Fiberite" Metal Asbestos), 64 India, Boston, Mass.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Clinton Mfg. Co., 83 Grand av, Brooklyn, N. Y.
Colonial Supply Co. ("Colonial," "Continental"), 414 1st av, Pittsburgh, Pa.
*See adv index at end of book*
Combination Rubber Mfg. Co. ("Red Diamond," "Blue Diamond" & Wire Insertion, Diaphragm, etc), Bloomfield, N. J.
Consolidated Packing & Supply Co. ("Adamite," "Consolco"), 21 Barclay, New York
Continental Rubber Works ("Tribune"), Erie, Pa.
Crandall Packing Co. ("Ethiopia," "Helois," "Regina"), Palmyra, N. Y.
Dealers Steam-Packing Co., Palmyra, N. Y.
DOMINION ASBESTOS & RUBBER CORP. ("Darcoid," "Sovereign," "Dominion," "Regent," "Old Dominion," "Domino," "Grafite," "Flangetite," "Petrolite," "Squadron"), 154 Nassau, New York. *See adv index at end of book*
Double Service Packing Co., 244 Chestnut, Phila., Pa.
Durable Mfg. Co. ("Durabla" Superheated Steam, Oil & Water), 114 Liberty, New York
Empire Tire & Rubber Corp. ("Alabama," "Amazon," "Merrimac," "Monitor" & "Paragon"), Trenton, N. J.
Endura Mfg. Co., 63d & Eastwick, Phila., Pa.
Essex Rubber Co., Trenton, N. J.
Eureka Packing Co., 78 Murray, New York
Fibre Finishing Co. ("Vellumoid"), 73 Tremont, Boston, Mass.
France Packing Co., 6510 State rd, Tacony, Phila., Pa.
Garlock Packing Co. ("Garlock"), Palmyra, N. Y.
Garratt-Callahan Co. ("Swart's"), 30 Fremont, San Francisco, Cal.
GASKET SUPPLY CO. ("Right" Cloth Inserted-Red Rubber & Oil Proof), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
General Asbestos & Rubber Co. ("Aurora," Red "Morroco," Black "Semi-Bronze," "Calibestos," "Pyroid," "Petrobestos," Charleston, S. C.
Goetze Gasket & Packing Co. ("Goetzerit"), New Brunswick, N. J.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co. ("Goodyearite," "Red Wing"), Akron, O.
Gould Packing Co. ("Gould's"), E. Cambridge, Mass.

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Compressed Asbestos High Pressure
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Known and Used the World Over
NIAGRATITE SHEET PACKING
For Oils, Water, Air, Gas, Etc.
NIAGARA FALLS (Ont.) GASKET & PACKING CO.
Fulton and Church Streets, New York City

PACKING (SHEET)—continued

**Gutta Percha & Rubber Mfg. Co. (Red & Black Cloth Insertion & Pure Gum), 126 Duane, New York**
**Hamilton Rubber Mfg. Co. ("Perfection"), Trenton, N. J.**
Hart Packing Co. ("Demon"), 144 High, Boston, Mass.
Hewitt Rubber Co. ("Linwood" Self-Vulcanizing, "Red Skin," "Magnus," "Oriole" Red Sheet & "Hewitt" Black Sheet), Buffalo, N. Y.
**Hollow Center Packing Co. ("Ovalhole"), 608 S Dearborn, Chicago, Ill.**
**Home Rubber Co. ("Original Black," "N. B. O."), Trenton, N. J.**
Imperial Packing Corp., 191 Greenwich, New York
**Jenkins Bros. ("Jenkins 96," "Jenarco,"** Oilite, Compressed Asbestos Magnolia), 80 White, New York
Johns-Manville H. W. Co. ("Mobilene," "Kearsage," "Liberty," "Vulcabeston"), 41st & Madison av, New York
**Johns-Pratt Co. ("Vulcobeston" Red Fibre), Hartford, Conn.**
**Johnson H. Co. ("Brandon," "Black Jack," "Alligator," "Johnson's"), ft. Gates av, Jersey City, N. J.**
**Knowlton G. W. Rubber Co. ("G. W. K.," "Hub"), 60 Pearl, Boston, Mass.**
**METRIC PACKING CO., INC.,** (Style 1000 Superheat Sheet, Style 1010 Red Sheet, Style 1020 Black Sheet, Style 1030 Asbestos Metallic), 244 Kensington av, Buffalo, N. Y. *See adv index at end of book*
**Mercer Rubber Co. ("Redbreast," Asbestos, (Rubber with Cloth Insertion), Hamilton Sq., N. J.**
**National Fibre & Insulation Co., Yorklyn, Del.**
National India Rubber Co. ("N. I. R." Red), Bristol, R. I.
New Jersey Asbestos Co., 1 Water, New Jersey
New Jersey Car Spring & Rubber Co. ("Carspring," "Red Oak"), 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co. ("Salamanda," "Indestructible," "Karbonite," "Ruby"), 91 Chambers, New York
**NEW YORK RUBBER CO.** (Red & Black), 323 W Randolph, Chicago, Ill., Reade & Church, New York
Niagara Falls (Ont.) Gasket & Packing Co., Church & Fulton, New York
*See adv index at end of book*
Nuhring Chas. & Bros. ("I.X.L."), 1212 Walnut, Cincinnati, O.
**Pennsylvania Rubber Co. ("Century"** White Pure Sheet Rubber, **"Creole"** Black Sheet, etc), **Jeannette, Pa.**
Pioneer Rubber Mills ("Native Wire Inserted," "Red Diablo," "Reliance," "Red Snookum," "Sunset"), 66 Sacramento, San Francisco, Cal.
**Quaker City Rubber Co. ("Ebonite" black sheet packing, "Skihi," "Hercules" & "Delta" red sheet packing "Kaloric" high pressure), 629 Market, Phila., Pa.**
Republic Rubber Co. ("Invader"), Youngstown, O.
**Revere Rubber Co. ("Black Cross," "Back Hawk," "Eagle," "Usurdurian," "Giant Red Crescent," "Paramo," "Revere"), Chelsea, Boston, Mass.**
**Rubber Fibre Co. ("Elasto"), 560 First, Boston, Mass.**
**Salisbury W. H. & Co. ("Congo," "Hevea," "Salisbury"), 308 N Madison, Chicago, Ill.**
Standard Mfg. & Supply Co., 30 N 4th, Phila., Pa. *See adv index at end of book*
**STRONG MACHINERY & SUPPLY CO.** ("Strong's I. O. P. Dichtungsgummi"), 21 Walker, New York
*See adv index at end of book*
**Trainer C. W. Mfg. Co. ("Olympia," "Vulcanfibron"), 55 High, Boston, Mass.**
United & Globe Rubber Co., Trenton, N. J.
**Victor Rubber Co. ("Viruco"), Springfield, O.**
**Vulcan Asbestos Mfg. Co. ("Hercules"), 95 Broad, New York**
**Watts John M. Sons ("Dingo Red," "Watts Oil Proof"), 54 N 2d, Phila., Pa.**
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*
**Western Rubber Co. ("C. I.," "C. B. S.,"** "C. O. S."), Goshen, Ind.
**Whitehead Bros. Rubber Co., Trenton, N. J.**
**Woven Steel Hose & Rubber Co., Trenton, N. J.**

## 10472a— Packing (Steam)

**See also Packing Various kinds**

Brown F. H. Packing Co., 623 Cherry, Phila., Pa.
**DOMINION ASBESTOS & RUBBER CORP.,** 154 Nassau, New York
*See adv index at end of book*
Consolidated Packing & Supply Co., 21 Barclay, New York
Jones Packing Co., 50 Church, New York
**NIAGARA FALLS (ONT.) GASKET & PACKING CO.** ("Klingtite"), Church & Fulton, New York
***See adv index at end of book***
Phoenix Steam Packing Co., Gates av & Boulevard, Jersey City, N. J.
Martell Packings Co., Inc. (Steam Engine, Metal), Elyria, O.
**UNION ASBESTOS & RUBBER CO.,** 231 S Wells, Chicago, Ill.
*See adv index at end of book*
United States Rubber Co., 1790 Broadway, New York
Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*

## 10473-4— Packing Sticks

Strong Machinery & Supply Co. ("Strong's Excelsior"), 21 Walker, New York
*See adv index at end of book*

## 10475—*Packing (Vulcanized Fibre)

National Fibre & Insulation Co., Yorklin, Del.

## 10476—Packing (Weather Strip)

**Bosley D. W. Co. (For Refrigerators, Ice Boxes, etc.), 122 S Michigan av, Chicago, Ill.**
Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
United States Rubber Co., 1790 Broadway, New York

## 10477—Packing (Wire Rope Pulley)

**Boston Belting Corp., 84 Linden Park, Boston, Mass.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
***See adv index at end of book***

## 10478— Packing (Yarn)

Wyoming Yarn Co. ("Wypak" Woolen for Journal Boxes, etc.), **Wyoming, R. I.**

## 10479— Pad Screws

**North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.**

## 10480— Padding (Table)

**Knitted Padding Co. (Knitted Cotton), Canton Junction, Mass.**

## 10481— Paddles (Beater)

**Alloy Steel Forging Co., Carnegie, Pa.**
**Menasha Mfg. Co. (For Paper Mills), Menasha, Wis.**

## 10482— Paddles (Canoe)

**N. Y. Boat Oar Co., 69 West, New York**

## 10483—Paddles (Mustard)

**BOGERT & HOPPER, INC.,** 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, **New York**
*See adv index at end of book*

**Established 1847**
**E. B. ESTES & SONS** Manufacturers of
**Mustard Paddles, Boxwood and Maple, Plain or Printed**
Also Mustard Spoons. Automatic Lathe Turnings.
**864 5th Ave. New York City**

Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Padlocks

**See Locks, Padlocks**

## 10484— Padlocks (Pole)

**Fletcher Mfg. Co., Dayton, Ohio**

## 10485— Pads (Calendar)

**Anderson W. J. & Co., 341 B'way, New York**
**Elliott Chas. H. Co., 17th & Lehigh av, Phila., Pa.**
**General Advertising Co., Reading, Pa.**
**GOES LITHOGRAPHING CO.,** 42 W 61st, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Kimpton Ed. Co., 60 John, New York**
**Southgate Press ("Acme"), 87 Broad,** Boston, Mass.
**Stern Edward & Co., 140 No 6th, Phila., Pa.**
**Sullivan Printing Works Co., Cincinnati, O.**
**Tower Mfg. & Novelty Co., 326 B'way, New York**
**Weeks Frank A. Mfg. Co., 93 John, New York**

## 10486—Pads (Carriage Step)

**Keystone Forging Co. (Wrought Iron), Northumberland, Pa.**

## 10487— Pads (Chair)

**Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.**
**Boston Excelsior Co., 562 W 29th, New York City**
Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
**Excelsior Wrapper Co., Sheboygan, Wis.**
**Fox Geo. E. Co. (Felt), 35 W Kinzie, Chicago, Ill.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Oshkosh Bottle Wrapper Co. (& Furniture Pads), Oshkosh, Wis.**

## 10488— Pads (Coach)

**Standard Coach Pad Co., Wooster, O.**

## 10488a—*Pads (Copying Book)

Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 10488b— *Pads (Desk)

Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 10488c—Pads (Excelsior Packing)

**ATLANTIC EXCELSIOR MFG. CO., INC.,** 507 W 30th, New York
**BOSTON EXCELSIOR CO.,** 562 W 29th, New York
**EXCELSIOR WRAPPER CO., Sheboygan,** Wis.
**EXCELSIOR WRAPPER CO.,** Grand Rapids, Mich.
**EXCELSIOR WRAPPER CO.,** 224 W Kinzie, Chicago, Ill.

## 10488d— *Pads (Felt)

Brawley T. R. (Axle), 275 20th, Brooklyn, N. Y. *See adv index at end of book*

## 10489—Pads (Horse Collar)

**American Pad & Textile Co., Greenfield, O.**
**Burlington Blanket Co. ("Ventiplex"),** Burlington, Wis.
**Curtis-Dexter Co. ("Boss" Zinc Lined, "Curtis" Leather), Madison, Wis.**
**Gall Cure Collar Pad Co. ("Gall-Cure"),** Richmond, Ind.
**Harsh-Miller Mfg. Co. ("Wabash"), Wabash, Ind.**
**Meyer Corpn., The, Morton, Ill.**
**Perforated Pad Co., Woonsocket, R. I.**
**Perkins-Campbell Co., 622 B'way, Cincinnati, O.**
**Zink Collar Pad Co. ("Star" Zinc & Leather), Buchanan, Mich.**

## 10490—Pads (Horse Shoe, Leather)

**Graton & Knight Mfg. Co., Worcester, Mass.**

## 10491— Pads (Packing)

**Boston Excelsior Co., 562 W 29th, New York City**
Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*

**EXCELSIOR WRAPPER CO.** (Furniture), Sheboygan, Wis.
**EXCELSIOR WRAPPER CO.**, 224 W Kinzie, Chicago, Ill.
**EXCELSIOR WRAPPER CO.**, Grand Rapids, Mich.
**Maish Chas. A. Co. (Furniture), 1125 Bank, Cincinnati, O.**
**Oshkosh Excelsior Mfg. Co. (Furniture),** Oshkosh, Wis.
**Page Geo. G. Box Co. (Corrugating Packing),** Cambridge, Mass.
**Philadelphia Excelsior Co., 716 N 3rd,** Phila., Pa.
**Rochester Pad & Wrapper Co., Rochester,** N. Y.
**Selle H. W. & Co. (Furniture), 1000 N** Halsted, Chicago, Ill.
**Sheboygan Pad Co. (Furniture), Sheboygan,** Wis.

## 10492— Pads (Stamp)

**Kee Lox Mfg. Co.,** Rochester, N. Y.
Keystone Stationery Mfg. Co., 539 Wood, Pittsburgh, Pa.
**Laughton Pad Co., Westfield, Mass.**
**Superb Stamp Pad Co., Auburn, N. Y.**
Swisher R. D. Mfg. Co., 415 S Clinton, Chicago, Ill. *See adv index at end of book*
**Volger B. G. Mfg. Co. ("Excelsior," "New Departure"), Passaic, N. J.**

## 10493— Pads (Sweat)

American Pad & Textile Co., Greenfield, O.
Burlington Blanket Co. ("Ventiplex"), Burlington, Wis.
Powers Mfg. Co., Waterloo, Ia.
**Schott J. B. Saddlery & Mfg. Co., Quincy,** Ill.
Schwahn-Seybeth Mfg. Co., Eau Claire, Wis.
**Southern Sweat Pad Co., Evansville, Ind.**

## 10494— Pads (Telephone)

Atwater S. L. ("Ever Ready"), 101 Lafayette New York
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## 10495— Pads (Tire Repair)

Empire Tire & Rubber Corp., Trenton, N. J.

## 10495a— Pads (Truss)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York. *See adv index at end of book*
**Estes E. B. & Sons (Wood), 364 5th av, New York** *See adv index at end of book*

## 10496— Pads & Tablets

**Adams, Cushing & Foster, 168 Devonshire,** Boston, Mass.
**Affleck Ruling & Stationery Co., Holyoke,** Mass.
**American Pad & Paper Co., Holyoke,** Mass.
**Bainbridge's Chas. T. Sons, 2 Cumberland,** Brooklyn, N. Y.
Baughman Stationery Co., 1322 W Broad, Richmond, Va.
Bell Book & Stationery Co., 914 E Main, Richmond, Va.
Birnie Paper Co., Springfield, Mass.
Blade Printing & Paper Co., Toledo, O.
Blair J. C. Co., Huntingdon, Pa.
**Blake-McFall Co., E 3rd, Portland, Ore.**
**Boorum & Petase Co., 109 Leonard, New** York
Central Paper & Tablet Co., Indianapolis, Ind.
Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
**Cupples Samuel Envelope Co., 6th & Cerre,** St. Louis, Mo.
De Pere Tablet Co., De Pere, Wis.
Earl M. J., Reading, Pa.
Eastern Tablet Co., Albany, N. Y.
**Eaton, Crane & Pike Co., Pittsfield, Mass.**
Eau Claire Book & Stationery Co., Eau Claire, Wis.
Essex Pad & Paper Co., Holyoke, Mass.
**Fisher Bros. Paper Co., Fort Wayne, Ind.**
**Garden City Tablet Co., Elkhart, Ind.**
**Hartman E. F. Co., Springfield, Ill.**
**Highland Mfg. Co., Holyoke, Mass.**
Holm G. A. & Bro., Mansfield, O.
Hopper Paper Co., Johnsonburg, Pa.
**Hurd Geo. B. & Co., 425 Broome, New** York
**Illinois Printing Co., Danville, Ill.**
**Indiana Paper Co., Indianapolis, Ind.**
**Johnstown Tribune Publishing Co., Johns**town, Pa.
**Judd Paper Company, Holyoke, Mass.**
**Kalamazoo Stationery Co., Kalamazoo,** Mich.
Ketcheson J. C., Leavenworth, Kan.
**Kistler W. H. Stationery Co., Denver, Colo.**
Lesh C. P. Paper Co., Indianapolis, Ind.
**Leslie John Paper Co., 3rd av S & 5th,** Minneapolis, Minn.
Longwell-Cummings Co., Loganport, Ind.
Lowman & Hanford Co., Seattle, Wash.
**McClellan Paper Co., 700 S 4th, Minne**apolis, Minn.
**McIntosh Jno. L., 185 Franklin, Boston,** Mass.
Mann Herbert R. & Co., Troy, N. Y.
Miller Fred R. Blank Book Co., Williamsport, Pa.
**Minneapolis Paper Co., 4th av S & 5th,** Minneapolis, Minn.
Montag Bros., Atlanta, Ga.
Myers R. M. & Co., Rochester, N. Y.
Osborn Paper Co., Marion, Ind.
Pacific Paper Co., Portland, Ore.
Pantagraph Printing & Stationery Co., Bloomington, Ill.
**Perkins Bros. Co., Sioux City, Ia.**
**Polar Mfg. Co. (Glass Desk Pads), 101 N** Marshall, Phila., Pa.
Post Publishing Co., Appleton, Wis.
Powers Paper Co., Springfield, Mass.
**Raab W. H. & Bro., Johnstown, Pa.**
Remington H. E. & Co., Fitchburg, Mass.
Reynolds & Reynolds Co., Dayton, O.
**Roaring Spring Blankbook Co., Roaring** Spring, Pa.
**Roberts & Meck, Harrisburg, Pa.**
**Schmidtman's Theo. Sons Co., Manitowoc,** Wis.
Smith Tablet Co., Holyoke, Mass.
Stowell Henry & Son, Troy, N. Y.
Taylor-Atkins Paper Co., Burnside, Conn.
Vernon S. E. & M., 65 Duane, New York
**Waddey Everett Co., 1105 E Main, Rich**mond, Va.
**Ward Samuel Mfg. Co., 299 Atlantic av,** Boston, Mass.
Wendt & Rausch Co., Toledo, O.
**Western Tablet Co., St. Joseph, Mo.**
White & Wyckoff Mfg. Co., Holyoke, Mass.
Whiting Paper Co., Holyoke, Mass.
**Wright, Barrett & Stilwell Co., N E cor.** University & Hampden avs, St. Paul, Minn.

## 10497— Pail Ears

**ACKLIN STAMPING CO., 1659 Dorr, To**ledo, O. *See adv index at end of book*
Berger Bros. Co. (Pail Ears, Pans, Kettles, etc.), 229 Arch., Phila., Pa.
Central Stamping Co., 172 Fulton, New York
Dover Stamping & Mfg. Co., Cambridge, Mass.
Forsyth Metal Goods Co. (& Tub Ears), E Aurora, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
**Holland Mfg. Co. (Pail & Tub), Central** av. & Bank, Baltimore, Md.
**Lalance & Grosjean Mfg. Co., 299 B'way,** New York
**Parker Wire Goods Co. (Wire Rail &** Tub), Worcester, Mass.
**Pratt Wm. E. Mfg. Co. (Tinned), 35 W** Lake, Chicago, Ill.
Titchener E. H. & Co., Binghamton, N. Y.
Townsend Co., New Brighton, Pa.
Townsend G. G., Winchendon, Mass.
Troy Stamping Works, Troy, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 10498— Pails (Aluminum)

**Aluminum Goods Mfg. Co., Manitowoc,** Wis.
**Aluminum Ware Mfg. Co., Inc., Elmira,** N. Y.
**Buckeye Aluminum Co. ("Real Solid"),** Wooster, O.
**Toledo Cooker Co. (Cooker), Toledo, O.**

## 10498a—Pails (Butcher Supply)

Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
**Johnson-Morse Can Co., Wheeling, W. Va.**
**Wheeling Can Co., Wheeling, W. Va.**

## 10499— Pails (Candy)

See also Pails & Buckets, Wood; also Pails, Shipping

Chicago Oyster Pail Co., 504 S Green, Chicago, Ill. *See adv index at end of book*
Cordley & Hayes ("Fibrotta" Paper Fibre), 7 Leonard, New York
**Dunning-Varney Co. ("D. V." Seamless), 99 Warrén, New York**
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
**Great Northern Pail Co., Gillett, Wis.**
Lyman Mfg. Co., Warren, O.
**Menasha Wooden Ware Co. (Wooden),** Menasha, Wis.
Ohio Pail Co. (Wood), Middlefield, O.
**Peoria Can Co. (Plain or Decorated), Peoria,** Ill.
Richmond Cedar Works ("Anchor Brand," White Cedar & Cypress), Fulton, Richmond, Va.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (Galvanized), Wheeling, W. Va.

## 10500—Pails (Cement & Navy)

McLaughlin Co., Inc. (Cement), Brockford, N. Y.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (Galvanized), Wheeling, W. Va.

## 10500a—*Pails (Collapsible)

(See also Buckets & Pails, Collapsible)

Stanley Wm. W. (For Automobiles), 50 Church, New York

## 10501-2— Pails (Commode)

See also Tinware Mfrs.

Central Stamping Co. ("Puritan"), 172 Fulton, New York
**Lalance & Grosjean Mfg. Co., 299 B'way,** New York
National Enameling & Stamping Co., 411 5th av, New York
Northwestern Stamping Co. ("Pierce's" Sanitary), Burlington, Ia.
Rochester Can Co. ("Iron Horse" Galvanized),, Rochester, N. Y. *See adv index at end of book*
Rochester Stamping Co., Rochester, N. Y.

## 10503— Pails (Dairy)

**Atlantic Stamping Co. ("Atlantic" Tin), 156-180 Ames, Rochester, N. Y.**
Brown Stamping Co., Toledo, O.
Buhl Stamping Co., Scotten & M C RR, Detroit, Mich.
**Central Stamping Co. ("Puritan"), 172** Fulton, New York
**Elliott Mfg. Co. ("Elliott" Sanitary),** Warren, Ill.
**Lisk Mfg. Co. (Ltd.) ("Lisk" Anti Rust),** Canandaigua, N. Y.
**McLaughlin Co., Inc., Brockport, N. Y.**
National Enameling & Stamping Co., 411 5th av, New York
**Peoria Can Co., Peoria, Ill.**
**Phillips & Buttorff Mfg. Co. ("Strainer"),** Nashville, Tenn.
Rochester Can Co. ("Iron Horse"), Galvanized), Rochester, N. Y. *See adv index at end of book*
Rochester Stamping Co., Rochester, N. Y.

## 10504— Pails (Dinner, Etc.)

Atlantic Stamping Co., 156-180 Ames, **Rochester, N. Y.**
Behrens H. Mfg. Co., Winona, Minn.
**BERTELS W. B. & SON CO., INC.,** Wilkes-Barre, Pa.
Buckeye Aluminum Co. ("Real Solid" Aluminum Sectional), Wooster, O.
Central Stamping Co. ("U. S."), 172 Fulton, New York
Dooley Bros. (Jobbers), 1201 S Washington, Peoria, Ill.
**Lalance & Grosjean Mfg. Co. (Enameled** Iron, Tin, etc), 299 B'way, New York
Leonard Mfg. Co., Scranton, Pa.
Leonard T. F. Co. ("Leonard"), Scranton, Pa.
National Enameling & Stamping Co. ("Acme," "Aurora"), 411 5th av, New York
**Peoria Can Co., Peoria, Ill.**
Strong Mfg. Co. (Miners, etc), Sebring, O.
Sullivan-Geiger Co. ("IX," "Boss" Round Miners'), Indianapolis, Ind.

## 10505— Pails (Fibre)

Cordley & Hayes ("Fibrotta" Paper Fibre), 7 Leonard, New York
Fibre Corporation ("Fibrotta," "Lily Star"), Lockport, N. Y.
Toledo Fibre Package Co., Toledo, O.

## Pails (Fire)

See Buckets, Fire; Pails, Galvanized Iron; also Pails, Fibre

## 10506— Pails (Foundry)

Oshborn Mfg. Co., 5401 E Hamilton, Cleveland, O.
*See adv index at end of book*
Richmond Cedar Works ("J. I. C.," Heavy Oak), Fulton, Richmond, Va.
Rochester Can Co. ("Iron Horse"), Galvanized), Rochester, N. Y.
*See adv index at end of book*
Steel Basket Co. (Corrugated Steel), Cedar Rapids, Ia.
Threthaway Bros., Parsons, Pa.

## 10507—Pails (Galvanized Iron)

**AMERICAN CAN CO.**, 120 Broadway, New York
*See adv index at end of book*
Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Boyle Mfg. Co., 5100 Santa Fe av, Los Angeles, Cal.
Brown Stamping Co., Toledo, O.
Buhl Stamping Co., Scotten & M C RR, Detroit, Mich.
Central Stamping Co., 174 Fulton, New York
Cincinnati Galvanizing Co., McMicken av & Tafel, Cincinnati, O.
Clark W. J. Co., Salem, O.
Coonley Mfg. Co., Cicero, Ill.
Crunden-Martin Mfg. Co. (Fire, Water, Mule, etc), 2d & Gratiot, St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Dressel Railway Lamp Works, 3860 Park av, New York
Dunlap John Co., Carnegie, Pa.
Geuder Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Hill Jas. Mfg. Co., 52 Westfield, Providence, R. I.
Kraft A. C., 323 W Lake, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.) ("Lisk" Aluminum Galvanized), Canandaigua, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
New England Enameling Co. (Water, Fire, etc), Middletown, Conn.
Pritchard Stamping Co., Rochester, N. Y.
Republic Metalware Co., Buffalo, N. Y.
Rex Harris Fire Appliance Co., 310 W 39th, New York
**ROCHESTER CAN CO.** ("Iron Horse"), Rochester, N. Y.
*See adv index at end of book*
Rochester Stamping Co., Rochester, N. Y.
Sexton Can Co. (Fire, etc), 123 Broad, Boston, Mass.
Steel Basket Co., Cedar Rapids, Ia.
Wall P. Mfg. Supply Co., 705 Preble av, N S, Pittsburgh, Pa.
Whitaker-Glessner Co. (Wheeling Corrugating Dept), Wheeling, W. Va.

## 10508-9— Pails (Garbage)

See also Cans, Ash & Garbage

**AMERICAN CAN CO.**, 120 Broadway, New York
*See adv index at end of book*
Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Buhl Stamping Co., Scotten & M C RR, Detroit, Mich.
Central Stamping Co., 174 Fulton, New York
Cincinnati Galvanizing Co. ("King" Corrugated), McMicken av & Tafel, Cincinnati, O.
Dover Stamping & Mfg. Co. ("Galvanized"), Cambridge, Mass.
Kraft A. C., 323 W Lake, Chicago, Ill.
National Enameling & Stamping Co., 411 5th av, New York
New England Enameling Co. (Galvanized), Middletown, Conn.
**ROCHESTER CAN CO.** ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*
Whitaker-Glessner Co. (Wheeling Corrugating Dept), Wheeling, W. Va.
Witt Cornice Co. ("Witt's"), 2118 Winchell av, Cincinnati, O.

## 10510— Pails (Milk)

Lalance & Grosjean Mfg. Co. (Enameled Iron), 299 B'way, New York
Menasha Woodenware Co. (Wooden), Menasha, Wis.
National Enameling & Stamping Co., 411 5th av, New York
Peoria Can Co. (Tin), Peoria, Ill.
Richmond Cedar Works ("Anchor Brand," White Cedar), Fulton, Richmond, Va.

## 10511—Pails (Milk Strainer, Etc.)

Atlantic Stamping Co ("Atlantic" Sanitary Dairy, All Tin), 156-180 Ames, Rochester, N. Y.
Central Stamping Co. ("Puritan"), 174 Fulton, New York
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.) ("Lisk Anti-Rust"), Canandaigua, N. Y.
McLaughlin Co., Inc., Brockport, N. Y.
Peoria Can Co., Peoria, Ill.
Schlueter Mfg. Co., B'way & John av, St. Louis, Mo.

## 10511a—*Pails (Miniature, Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 10512— Pails (Mortar)

Richmond Cedar Works ("Anchor Brand," Heavy Oak), Fulton, Richmond, Va.

## 10513— Pails (Paper)

Aull Bros. Co. (Oyster & Ice Cream), Dayton, O.
Bloomer Bros. Co. (Ice Cream & Oyster), Newark, N. J.
Dunning-Varney Co. ("D. V. Seamless"), 99 Warren, New York
O. K. Paper Pail Co. (Oyster, Ice Cream, etc), Middletown, O.
Sefton Wm. J., 54th & Lafayette, New York

## 10513a—Pails (Paper, Folding)

Chicago Oyster Pail Co. (Oyster & Chop Suey), 504 S Green, Chicago, Ill.
*See adv index at end of book*

## Pails (Rubber)

See Buckets, Fire, with the word Rubber following their name

## 10514— Pails (Sap)

Conneaut Can Co., Conneaut, O.
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Menasha Wooden Ware Co. (Wooden), Menasha, Wis.
Peoria Can Co., Peoria, Ill
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), (Tin & Galvanized Steel), Wheeling, W. Va.

## 10515— Pails (Shipping)

Crunden-Martin Mfg. Co. ("C. M." Metal Candy & Stock Food), 2d & Gratiot, St. Louis, Mo.
Menesha Wooden Ware Co. (Wood, for Candy, Tobacco, Lard, Stock Food, Cocoanut, Pigs Feet, Pickles, Grease, Fish & Jelly Packages, Cheese Boxes, etc), Menasha, Wis.
Whitaker-Glessner Co. (Wheeling Corrugating Dept), (Galvanized), Wheeling, W. Va.

## 10516— Pails (Steel, Shop)

Cleveland Wire Spring Co. (Sheet Steel), 1281 E 38th, Cleveland, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
**OHIO MFG. CO.**, P. O. Box 136, Painesville, O. *See adv index at end of book*
Steel Basket Co. (Corrugated), Cedar Rapids, Iowa

## 10517— Pails (Tar)

Clark W. J. Co., Salem, O.
Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*

## 10518— Pails (Tin, Lard)

**AMERICAN CAN CO.**, 120 B'way, New York *See adv index at end of book*
Brecht Co. (Tin), 1201 Cass av, St. Louis, Mo.
Colonial Can Co., 120 Milk, Boston, Mass.
Conneaut Can Co., Conneaut, O.
Johnson-Morse Can Co., Wheeling, W. Va.
New Can Co., 326 A, Boston, Mass.
Pague Mfg. Co., 29th & Southwest blvd, Kansas City, Mo.
St. Louis Butchers' Supply Co., 1543 N 15th, St. Louis, Mo.
Sexton Can Co., 123 Broad, Boston, Mass.
Trethaway Bros., Parsons, Pa.
U. S. Can Co. (Plain & Decorated), Norwood, Cincinnati, O.
Wheeling Can Co., Wheeling, W. Va.

## Pails (Waste)

See Cans, Waste

## 10518a— *Pails (Water)

See also Pails, Fibre; Pails, Galvanized Iron; also Pails & Buckets, Wood

Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*

## 10519—Pails & Buckets (Tin)

Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Franklinville Canning Co., Franklinville, N. Y.

## 10520—Pails & Buckets (Wood)

Ashtabula Pail Co. (Basswood), Ashtabula, O.
Beaver Mills, Keene, N. H.
California Barrel Co., 433 California, San Francisco, Cal.
Carr Pail & Package Co., Ashby, Mass.
Corry Pail Co., Corry, Pa.
Dickinson's A. Sons, Ashuelot, N. H.
English Mfg. Co., Antigo, Wis.
Erie Pail Factory, Erie, Pa.
Florida Woodenware Co., Palatka, Fla.
Hall Bros. Co., West Acton, Mass.
Keene Woodenware Co. (Wood Pails), Keene, N. H.
Lane C. L., East Swanzey, N. H.
Lown & Son ("J. I. C." Cedar), Poughkeepsie, N. Y.
McVoy Tub Pail & Package Co. (Lard, Candy, Pickle, etc., Tubs & Pails), 11th av, N E & Water, Minneapolis, Minn.
Menasha Wooden Ware Co. (Horse, Shipping, etc), Menasha, Wis.
Murdock E. & Co., Winchendon, Mass.
Peirce W. E. & Co., Milford, N. H.
Pierpont Mfg. Co. (Oyster Pails, Red Cedar & Cypress Water Pails), Savannah, Ga.
Richmond Cedar Works ("Anchor Brand," White & Red Cedar for Every Purpose), Fulton, Richmond, Va.
St. Louis Cooperage Co. ("J. I. C." Cedar), ft. of Arsenal, St. Louis, Mo.
Talbot & Clark, Sandown, N. H.
Union Cooperage Co., 2d & Penrose, St. Louis, Mo.

## 10521—Pails & Cans (Syrup)

Fidelity Can Co., 600-610 S Caroline, Baltimore, Md.
Los Angeles Can Company, 303 San Fernando, Los Angeles, Cal.
Peoria Can Co., Peoria, Ill.

## 10522— Paint (Anti Stick)

Anti-Stick Co., Westerville, O.

## 10523— Paint Burners

American Stove Co. ("Reliable," "Quick Meal" Gasoline), 827 Chonteau av, St. Louis, Mo.
Ashton Mfg. Co., Newark, N. J.
Best Light Co., 477 2nd, N E, Canton, O.
Brand Chas. F., 16th & Jacob, Wheeling, W. Va.

Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Macleod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Sun Vapor & Gas Street Light Co., Canton, O.
Turner Brass Works (Gasoline & Kerosene), Sycamore, Ill.

## 10524—Paint Grinders (Dry Material)

Sprout, Waldron & Co., Muncy, Pa.
Wilbur J. Co., Office: Providence, R. I. Factory: Phila., Pa.

## 10525— Paint Mfrs.

For Special Kinds of Paints, see Sub-Classifications following this trade

### ALABAMA.

BIRMINGHAM—Birmingham Paint & Glass Co.

### CALIFORNIA.

HUNTINGTON PARK—American Luminous Products Co. ("Radio"), Watts
LOS ANGELES—Bowers U. R. & Sons
Brininstool Co.
Judah E. H. & Co., 2200 Santa Fe av
OAKLAND—Buswell Paint Co.
California Paint Co.
Sterling Paint Co.
SAN FRANCISCO—Bass-Hueter Paint Co., 816 Mission
Biturine Co., 1 Drumm
Bredell Composition Co., 818 Mission
Fuller W. P. & Co., 301 Mission
Nason R. N. & Co., 151 Potrero av
Pacific Oil & Lead Works, 155 Townsend
Paraffine Companies, Inc. (Apbco Paints) *See adv index at end of book*
Remolite Paint Co.
Sterling Paint Co., 118 1st
Vulcanite Roofing Co. ("W. & P."), 16th & Texas
Yates & Co., 762 Folsom
WEST BERKELEY—West Coast Kalsomine Co. ("Wesco")

### COLORADO.

DENVER—James B. L. Mercantile & Mfg. Co.
McMurtry Mfg. Co.
McPhee & McGinnity Co.
Reitze Wall Paper & Paint Co.
Western Elaterite Roofing Co.

### CONNECTICUT.

BRIDGEPORT—American Lacquer Co
Bridgeport Bronze Marine Paint Co.
Clapp Fire Resisting Paint Co.
Crockett D. B. Co.
HAZARDVILLE—Hazard Lead Works
NORWICH — Hammond Process Co. ("Ferox" Iron Oxide)
SOUTH NORWALK—Nash Engineering Co. ("Xyloform")
WATERBURY—Wright E. E. (Roof)

### DELAWARE.

WILMINGTON—Bryan Jas. M.
Cartmell Thos. B. Paint & Glass Co.
Du Pont Chemical Works,
du Pont (E. I.) de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.

### FLORIDA.

JACKSONVILLE—Dozier & Gay Paint Co.

### GEORGIA.

ATLANTA—Cooledge F. J. & Sons ("Southern Home")
Southern Paint & Varnish Works ("S. P. V. W.")
Tripod Paint Co.
AUGUSTA—O'Connor & Schweers Paint Co. ("Old Standard")

### ILLINOIS.

AURORA—Robinson Paint Co.
CHICAGO—Adams & Elting Co. ("Ad-el-ite"), 726 Washington blvd
Allen Paint & Putty Works, 334 N Ashland av
Alston Lucas Paint Co., 1029 Currier
Antakwa Co., 133 W Washington
Armstrong Paint & Varnish Works, 2502 S Paulina
Bradley & Vrooman Co., 2632 S Dearborn
Braithwaite C. W. Co. (Color Cards for Mixed Paint, etc), 300 S Racine av
Carol Co., 127 N Dearborn
Chicago Varnish Co. ("Esque" Prepared), 2100 Elston av, Chicago, Ill.
Chicago White Lead & Oil Co., 1454 S Western av
Day Jas. B. & Co., 214 W Ohio
Devoe F. W. & C. T. Raynolds Co., 14 W Lake
*See adv index at end of book*
Diamond Red Paint Co., 2750 N Lincoln
Eagle Picher Lead Co. (The), 208 S La Salle
Elliott Varnish Co. (Roofing), 1013 S Kolmar av
Enterprise Paint Mfg. Co., 854 W Van Buren
Ernecke & Salmstein Co., 944 W North av
Heath & Milligan Mfg. Co., 1833 Seward
Hockaday Co., 1831 Carroll
Hooker H. M. Co., 651 W Washington
Indiana Indestructible Paint Co., 870 W North av
Inland White Lead Co., 741 Boston av
Martin-Senour Co., 2520 Quarry
Nubian Paint & Varnish Co., 1856 Leclaire av
Ohmlac Mfg. Co. ("Ohmlac"), 140 S Dearborn
Otley Paint Mfg. Co. ("Eureka"), 1742 N Winchester av
Rosenbush & Solomon, Inc., 23 S Desplaines
Sall Mountain Co., Roofing, 305 S La Salle
Schrader Whittick & Co., 1318 Clybourne av
Stresen-Reuter & Co., 5516 Lake Park
Vilas Bros., 717 S 5th av
Wadsworth-Howland Co., 225 N Carpenter
Watson Geo. E. Co., 62 W Lake
EAST ST. LOUIS—Mepham Geo. S. & Co., 20th & Lynch
Phelan-Faust Paint Mfg. Co.
JOLIET—Peeling Geo.
MOLINE—Moline Paint Mfg. Co.
PEORIA—Globe Mfg. Co.

### INDIANA.

HAMMOND—Hammond Asphalt Products Co.
HUNTINGTON—Flexible Paint Co.
INDIANAPOLIS—Advance Paint Co.
Ajax Paint Co. ("Woodpecker")
Antox Paint Co.
Burdsal A. Co.
Indianapolis Paint & Color Co. ("Capital City")
Reilly Co. (Brick & Concrete)
REPUBLIC CREOSOTING CO. (Creosote), Indianapolis, Ind.
*See adv index at end of book*
Sargent Paint Co., N. J. & Mass av
LIBERTY—Carter Paint Co.
MARION—Standard Paint Co.
SOUTH BEND—McHenry-Millhouse Mfg. Co.
TERRE HAUTE—Smith-Alsop Paint & Varnish Co.
VALPARAISO—Parker Chas. H. Co.

### IOWA.

DES MOINES—Elaterite Paint & Mfg. Co. ("Des Moines Elaterite")
FORT DODGE—Iowa Paint Mfg. Co.

### KENTUCKY.

COVINGTON—Boehmer Albert L.
LOUISVILLE—Blatz Val Paint & Varnish Co.
Bridges-Smith & Co.
Kurfees J. F. Paint Co.
Long C. R., Jr., Co.
Louisville Lead & Color Co.
Louisville Paint Mfg. Co.
Peaslee-Gaulbert Co.
Sterling Paint & Color Co.
Strassel Gans Paint Co.

### LOUISIANA.

NEW ORLEANS—American Paint Works, 428 Josephine
Bernhardt David Paint Co. (Ltd.), 321 Camp
Reeves Co., 805 Howard av

### MAINE.

PORTLAND—Burgess Fobes & Co.

### MARYLAND.

BALTIMORE—Chesapeake Oil Co., Ostend & Leadenhall
Davis H. B. Co., Bayard & Severn
Hanline Bros., 25 S Howard
Hirshberg Paint Co., 106 W Pratt
Kaufman E. L. & Co., Liberty & Fayette
Macneal James B. & Co. (Dry Paints Only), Warner & Wooster
Miller & Graham, 21 S Gay
Murphy Chas. J. Paint Co., 406 N Calvert
Popplein G. & N., 220 Guilford
Rubber Paint Co., c Warner & Wooster
Seim Henry & Co., Fayette & Howard

### MASSACHUSETTS.

AMESBURY—Grieves C. S. Paint Co.
ARLINGTON—Oxidite Mfg. Co.
BOSTON—Briggs John & Co., 45 Purchase
Cabot Samuel, Inc., 141 Milk
Carpenter-Morton Co., 77 Sudbury
Chadwick-Boston Lead Co.
Dexter Bros. Co., 105 Broad
Gould & Cutler, 45 Sudbury
Hoffman Paint & Varnish Co., Waters av
King E. & F. & Co., Inc., 367 Atlantic av
New England Oil, Paint & Varnish Co., Waters av
Prince James H. Paint Co., 5 Lancaster
Underhay Oil Co., 73 Batterymarch
Wadsworth, Howland & Co. ("Bay State"), 141 Federal
Wheeler Asahel Co., 58 High
CHELSEA—Nico Varnish Co.
GLOUCESTER—Henderson & Johnson
Tarr Jas. H. Co. (Copper & Iron Marine)
Tarr & Wonson (Marine)
NEW BEDFORD—Brightman Bros.
Kirby Geo., Jr., Paint Co.
NORFOLK DOWNS—Means & Thatcher
SALEM—Philbrick L. B.
SPRINGFIELD—Hampden Paint & Chemical Co. ("Hampden," Green, etc)
WATERTOWN—Waterproof Paint Co.
WELLESLEY—Wood's Henry Sons Co.

### MICHIGAN.

BELDING—Knapp E. J. & Co.
DETROIT—Acme White Lead & Color Works, St. Aubin & M C RR
Boydell Bros. White Lead & Color Co., 40 E Lafayette
Detroit Graphite Co., 10 12th
Detroit Refining Co., Majestic bldg
Detroit White Lead Works, 560 E Milwaukee
Ditzler Color Co., 20 Baltimore av W
Frazer Paint Co., Hubbard & M. C. R. R.
Peninsular Paint & Varnish Co., St. Aubin & M C RR
Rinshed-Gagnier Paint Co., 56-60 Congress E
Trus-con Laboratories, Caniff & Grant RR
FLINT—Flint Varnish & Color Works
HILLSDALE—O'Meara Bros.
HUDSON—Neptune Paint Co.
KALAMAZOO—Lakey A. L. Co. (Mixed)
SAGINAW—Asphalt Roofing Co.
United States Graphite Co.

### MINNESOTA.

MINNEAPOLIS—Atlastic Paint Mfg. Co. ("Atlastic" Ready Mixed & Ground in Oils), 1007 Marquette av
Conrad Wood Preserving Co. (Iron & Wood Bridge, Barn & Warehouse), 118 Plymouth av
Frost Paint & Oil Co., 1209-11 Tyer N E
Maire Paint Co. (Maire's Indestructible Roof Preserver), 329 Boston blk
Minn. Linseed Oil Paint Co., 1101 S 3rd
ST. PAUL—Blood T. L. & Co., 413 Wacouta
Farwell, Ozmun, Kirk & Co., (Barn, House, etc.)
Northern Paint Co.
St. Paul White Lead & Oil Co. ("Lion" Brand), Water & Starkey
WINONA—Forster Paint & Mfg. Co.

# DEVOE

**The Oldest Paint Manufacturing Concern in the United States. Founded in 1754.**

## PAINTS, VARNISHES, ENAMELS, BRUSHES

**DEVOE & RAYNOLDS CO., Inc.**

101 Fulton St. NEW YORK

14 West Lake St. CHICAGO


### MISSOURI.

CAPE GIRADEAU—Matteson Paint Co.
KANSAS CITY—McDonald Paint & Glass Co., 1408 Grand
Sewall Paint & Glass Co., 1009 W 8th
Southwestern Paint & Varnish Co.
ST. LOUIS—Becker-Moore Paint Co., 2nd & Soulard
Campbell Glass & Paint Co., 816 N 7th
Certain-Teed Products Corp., Boatman's Bank bldg.
City Paint & Varnish Co., 1419 Franklin
Dixon Joseph Crucible Co. (of Jersey City, N. J.), Victoria bldg.
Eberson Lindsiay Paint Co. (House & Barn), 1832 Morgan
Kent & Purdy Paint Co. (House & Barn), 307 N Main
Mar-Kay Mfg. Co., 2715 S 2nd
Mechanics Paint Co., 715 Franklin
Missouri Paint & Varnish Co., 514 De Sota
Mound City Paint & Color Co., 11th & Mullanphy
Phelan-Faust Paint Mfg. Co. (House & Barn), 1008 Pine
Platt & Thornburgh Paint Co., 7th & Franklin
Reardon Paint Co. (Cold Water), 2d & Clinton
Rower-Beine Paint Mfg. Co., 1524 N 15th
St. Louis Surfacer & Paint Co. ("Metal-steel"), Arlington & Terminal & Belt Line
Simmons Hardware Co., 9th & Spruce
Vane-Calvert Paint Co., 1601 N B'way

### NEBRASKA.

LINCOLN—Lincoln Paint & Color Co.
Nebraska Paint & Lead Co.

### NEW JERSEY.

BRIDGETON—Shaw John P. & Co.
CAMDEN—Waterall Wm. & Co.
ELIZABETH—Bay Way Chemical Co. ("Zulite" Black)
GIBBSBORO—Lucas John & Co.
HOBOKEN—Hoboken White Lead & Color Works, Willow av & 14th
Marx Jno
Shaffer Color & Varnish Corp.
IRVINGTON—Rice S. E. M. Filler Co. "Superior" "Red Setter" Metallic Barn & Fence)
JERSEY CITY—Aspinwall Geo. H. (Inc.), Corneilson av
Aspinwall Geo. H. (Inc.), 134 Halliday
Dixon Joseph Crucible Co.
N. J. Paint Works, Wayne (Louderbough, Hy., Prop.)
Stowell Mfg. Co., 240 Culver av
Woolsey C. A. Paint & Color Co., 490 Grand
Zibell Damp Resisting Paint Co., 191 Culver av
NEWARK—Armitage John L. & Co., 54 Dawson
Beckton Chemical Co., 278 Passaic
Cawley, Clarke & Co., 278 Passaic
Hammond Paint & Slug Shot Works, Beacon, N. Y.
Herrmann Morris & Co., 878 Mt. Prospect av
Hetzel J. G. (Est. of), 67 Main
Patton Paint Co., ft Chester av
Sherwin-Williams Co., Brown
NEW BRUNSWICK—Watson J. D. & Co.
PATERSON—Norwood & Berdau
RIDGEWOOD—Ever-Ready Oil Co. (Leak-Proof)
STEWARTSVILLE—North Jersey Paint Co.

### NEW YORK.

ADAMS—Rice A. L.
AUBURN—Messenger F. H. Co.
BUFFALO—Buffalo Oil, Paint & Varnish Co.
Century Mfg. Co., 272 W Genessee
International Products Co., 169 Church
Mets P. A. Paint Co., 769 Clinton
CLINTON—Clinton Metallic Paint Co.
ELLENVILLE—Ulster Paint Works
FISHKILL ON THE HUDSON—Hammond Benjamin
FULTON—McHenry Millhouse Mfg. Co.
ITHACA—Driscoll Bros. & Co. (Distributors "Tower")
JAMESTOWN—Jamestown Wood Finishing Co.

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Averill Paint Co., 240 Plymouth
Brown Chas. H. Paint Co., 262 Fulton
Cheesman-Elliot Co., Inc., 23 Flatbush av
Childs Chas. M. & Co. (Inc.), 43 Summit
Colonial Works, 233 Norman av
Debevoise Company, 968 Grand
Devoe F. W. & C. T. Raynolds Co., 565 Smith
Eakins J. S. & W. R., 12 Wallabout
Eureka Chemical Co., 970 Grand av
Ingersoll O. W., 243 Plymouth
King Wm. H., 124 Greene
Krug Paint Mfg. Co. (Mixed), 449 Kent av
Kuhls H. B. Fred, 6413 3d av
Leavitt Louis, 454 Driggs av
Longman & Martinez, 231 N 9th
McCafferty Jas. A. & Sons Mfg. Co., 505 Driggs av
McNaughton Wm. D., 185 Oakland
McQuade John & Co. (Stevens' Brick Reds, etc), 134 Clasn. av
Masury John W. & Son (Acid Resisting), 50 Jay
Montauk Paint Mfg. Co., 170 2nd av
Moore Benjamin & Co., 231 Front
Pierce F. O. Co., 30 Tiffany pl
Rosenson David, 407 Watkins
Smith J. Lee & Co., 700 Hicks
Stone Tar Products Co. (Cement), 97 S 6th

#### Boroughs of Manhattan and Bronx.

NEW YORK — American Bitumastic Enamels Co. ("Hermastic"), 17 Battery pl
Apex Color Works, 50 W Broadway
Baer Bros., 438 W 37th
Bredell's Composition Co., 521 Washington
Calman & Co., Emil, 100 William,
DEVOE & RAYNOLDS CO., INC., 101 Fulton *See adv index at end of book*
Dunham Thomas C., 68 Murray
Feigel M. & Bro., 185 Wooster
FOX M. EWING CO. (Water-Paints & Calcimines), 241 E 136th *See adv index at end of book*
Gimbel Geo. & Co. Inc., 24 Stone
Goheen Corp. (Carbonizing Coating), 25 W 43d
Grote George W. & Co., 430 E 102d
Hemmerdinger L. & Co., 438 E 123d
Hildreth Varnish Co., 90 West
Holzapfel's Am. Composition Co., 18 B'way
Ilsey, Doubleday & Co., 229 Front
International Compositions Co. (Marine), 18 B'way
Knickerbocker Paint Co., 185 Madison av
Leggett & Bro., 301 Pearl
Limbacher Paint & Color Works, 162 E 35th
Longman & Martines, 54 Maiden la
Manhattan Color Works ("Tem-Po-Va"), 1035 Kelly
Manhattan & Bronx, Amalgama Paint Co., Pier 3, North River
Miller Clifford L. & Co. ("Minwax"), 280 Madison av
Minwax Co., Inc. (Technical), 18 E 41st
Moser Charles Co., 126 Liberty
Mogul Co., 45 W 34th
Mott Haven Color Works, 395 Mott av
Nansen Composition & Paint Co., 44 Pearl
National Lead Co., 111 B'way


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New Process Chem. Co. (Anti-Fouling, Anti-Corrosive, Concrete Ship & Copper), 39 Cortlandt
Pierce F. O. Co., 10 E 45th
Prince Mfg. Co. (Double Label Mineral Brown), 165 Broadway
Red Hand Compositions Co., Inc. ("Red Hand"), 1 B'way
Reliance Paint Co., 25 Beaver
Smith J. Lee & Co., 19 Jacob
Sonneborn L. Sons, 262 Pearl
Standard Paint Co., 233 B'way
Storm Waterproofing Corp., 417 5th av
Toch Bros., 320 5th av
Wix Charles & Co., 45 Vesey
Zinsser Wm. & Co., 195 William

**Borough of Richmond.**

NEW BRIGHTON—Muralo Company, Rich. Fer.

**Borough of Queens.**

COLLEGE POINT—Chilton Paint Co.
LONG ISLAND CITY—Horn A. C. Co., Horn bldg
Imperial Paint Co. ("Impaco"), 80 10th
Smith Edw. & Co., 127 West av
Willey Charles A. Co., Hancock

**(End of New York City)**

NIAGARA FALLS—Acheson Graphite Co. (Graphite)
OGDENSBURG—Rossie Iron Ore Paint Co. (Metallic)
PHELPS—Hicks A. P.
ROCHESTER—Clark Paint, Oil & Glass Co.
ROME—Jones Paint Co. ("Roofcoat," "Stockote" & "Elastic Enamel" Stopleak & Liquid Stopleak)
SYRACUSE—Colebrook W. H. & Sons, Semet-Solvay Co.
TONAWANDA—National Roofing Co.
TROY—Connors Wm. Paint Mfg. Co.
WAVERLY—Thomas A. H. Paint Co.

## NORTH CAROLINA.

WILMINGTON—Spiritine Chemical Co.

## OHIO.

AKRON—Reliance Paint Co.
CANTON—Arlington Mfg. Co.
Cawn Mining & Mfg. Co.
CINCINNATI—Allen Anti-Rust Mfg. Co. (Roofing Steel Stack, Tanks, etc), Glenn bldg
Black Diamond Mfg. Co. ("Vol-Ka-No," Black Breweries, Ice Can, etc), 1219 Bank
Bolce Louis H. & Co., 2435 Gilbert av
Carey Philip Mfg. Co., 330 Wayne av, Lockland
Foy Paint Co., 230 E 5th
Johnston R. F. Paint Co., Pearl & Main
Kolbe John Co., 229 W 5th
Long Edwin & Co., 845 Clinton
Mamolith Carbon Paint Co., 2d & Main
Meyer E. H. & Co., 35 E Court
Moser Chas. Co.
Richmond Bros., 616 Main
Washburn Ira D. Co., 906 Central av
Wolf Leon L. Paint Co., 304 Lincoln Inn ct.
CLEVELAND—Arco Co. ("Arco Rays"), Euclid & E 65th
Atlantic Paint Co
Billings-Chapin Co., 1163 E 40th
Bond Paint & Varnish Co., E 81st
Canfield Oil Co., 3210 E 55th
Continental Products Co., Quebec av
Diamond Paint & Varnish Co., 910 Champlain av
Eclipse Paint & Mfg. Co., 6408 Euclid
Federal Process Co.
Forest City Paint & Varnish Co., 3334 Lakeside av
Fuller Ralph L. & Co., Guardian bldg
Gibson-Homans Co., 2366 Woodhill rd S E
Glidden Co., Madison av & Berea rd
Great Lakes Refining Co. ("Jet Black" elastic Roof & Metal), 5716 Euclid av
Hascall Paint Co., W 70th
Lino Paint Co. ("Lino" Metal), 16908 Waterloo rd
McNairy A. B. & Co., 1163 E 40th
Manhattan Paint Co., 1348 W 70th
Monarch Paint Co., W 70th
Moore Benjamin & Co., E 71st
National Paint & Varnish Co., 8709 Kinsman rd
Patterson-Sargent Co. ("B. P. S.," "Nobrac"), 1325 E 38th
Pioneer Mfg. Co.
Postal Paint & Color Co., 9420 Meech av
Republic Paint & Lead Works, 5716 Euclid av
Robertson Paint & Varnish Co., 9808 Meech av
Sherwin-Williams Co.
Standard Paint & Lead Wks.
Tropical Paint & Oil Co., W 70th
Ullman Philpott Co., 4805 Lexington
U. S. Refining Co., 1291 W. 11th
Vaughan Paint Co., Columbus & Big 4
Vortes Mfg. Co. ("Vorco"), W 77th
Warren Refining & Chemical Co., 9420 Meech av
COLUMBUS—Ashbaugh Co.
Dean & Barry Co., Locust & Ludlow
Hanna Paint Mfg. Co. ("Green Seal" House Paint)
Ohio Filler & Shield Co., 522 City av
Shepard Paint Co., 19 E Long
Wrinkle Paint Mfg. Co.
DAYTON—Irvin, Jewell & Vinson Co. ("Anchor")
Kay & Ess Co.
Lowe Bros. Co.
HAMILTON—Reeder John S. (Cold Japan)
LOCKLAND—Carey Philip Mfg. Co., 330 Wayne av
MARIETTA—Marietta Paint & Color Co.
PLAINVILLE—Ferris O. J.
TOLEDO—Blayz Paint & Varnish Co. ("Blayz"), Spencer
Buckeye Paint & Varnish Co.
Dolphin White Lead & Color Works
Hardy Paint & Varnish Co.
WARREN—Warren Paint Co.

## OREGON.

PORTLAND — Fisher, Thorsen & Co., Front & Morrison

## PENNSYLVANIA.

ALLENTOWN—Allentown Mfg. Co.
BETHLEHEM—Bethlehem Paint Co.
Erwin Henry & Sons (Metallic)
EASTON—WILLIAMS C. K. & Co. (Dry)
*See adv index at end of book*
ERIE—Adam Bros. Co.
FRANKLIN—Reisenman Mfg. Co. (Ltd.)
HARRISBURG—Triangle Co., Inc. (Triangle)
JAMESTOWN—Jamestown Paint & Varnish Co.
JOHNSTOWN—Cambria Paint & Color Co.
LANCASTER—Lancaster Paint & Glass Co.
Schroeder Paint Co.
McKEESPORT—Painter Joel T. Co.
MUNCY—Keystone Paint & Filler Co. ("Optimus")
PHILADELPHIA—Bean Lewis U. Co., 922 Cherry
BINSWANGER B. & CO., 329 N 3d
Bridgeport Wood Finishing Works (Du Pont)
Day Light Co., 24 S 7th
Denny Hilborn & Rosenbach, 230 N 12th
Elastic Compound Paint Co., 5131 Kershaw
Felton, Sibley & Co., 136 N 4th
Flexible Compound Co., 3607 Haverford
French Samuel H. & Co., 4th c Callowhill
Germantown Varnish Color & Paint Co., 5434 Germantown av
Graves N. Z. Corp., 22 S 3d
Grogan H. F. & Co., 2113 E Sergeant
Howell C. H. & Co., 212 Race
Kahn Leopold & Co.
Keystone Albumen & Paint Co., 1346 N Marston
Lucas John & Co., 322 Race
Nice Eugene E., 272 S 2d
Pecora Paint Co. ("Pecora"), 4th & Sedgley av
Phoenix Paint & Varnish Co., 124 Market
Protectus Paint Company, North American bldg
Pyramid Paint Co., 133 N 23d
Rambo Theo. G., 981 N 2d
Rinald Bros., 1142 N Hancock
Sauter F. W. & Co., 909 N 9th
Schrack C. & Co., 152 N 4th
Shoemaker Robert & Co., 4th & Race (Wood Finishes)
THOMSON WOOD FINISHING CO., 329 N 3d *See adv index at end of book*
Wetherill G. D. & Co., 114 N Front
Wetherill & Bro., 126 S 30th
Wilbur Job Co., ft. E Tioga
Wiswall Paint Co., 2413 E Huntingdon
Yarnall Paint Co., 1026 Race
PITTSBURGH—American Cold Japan Co. (Bridges, Roofs, Stacks, etc)
COLONIAL SUPPLY CO., 217 Water (Dealers Only)
*See adv index at end of book*
Eagle Paint & Varnish Co., 225 Galveston
Fort Pitt Oil & Paint Co., 3206 Penn av
Hommel O. Co., Hope & Maple
Hydro Damp-Proofing & Engng. Co.
Iron City Oil & Varnish Co., Franks-town & Inwood
Lawrence W. W. & Co. ("Lawrence," The Best Paint)
Nevin T. H. Co., Island & Preble
Pittsburgh Paint Supply Co., 617 Liberty
Pruett Schaffer Chemical Co., Tabor
Sipe Jas. B & Co., Bessemer bldg,
Sterling Varnish Co. (Varnish), Fulton bldg
Suydam M. B. Co., 61st & Butler
Thompson & Co., 857 W North av
Union Paint Co., South av, & B. & O. R. R.
Walters Mfg. Co., Fulton bldg
PULASKI—Reno Bros. Paint Co.
READING—Morgan Paint Co.
Wilhelm A. Co.
SHAMOKIN—Zimmerman W. S.
SHARPSBURG—Atlas Paint Co.
SHIPPINSBURG—McPherson J. W. & Sons
SOUTH BEHLEHEM — Bethlehem Steel Co.
TULLYTOWN—Tully Paint & Varnish Co.
WASHINGTON—Capitol Paint & Varnish Co.
WILKES-BARRE — Wilkes-Barre Paint Co.
WILLIAMSPORT — Cheesman & Elliott (National Paint Works)
Erieg Wm. J.
WYOMING—Wyoming Painting & Paint Mfg. Co.

## RHODE ISLAND.

PROVIDENCE—Chaffee Thos. K. Co., 115 Wickendon
Johnson Oliver & Co., 24 Custom House
U. S. Gutta Percha Paint Co., 12-30 Dudley
Wilbur J. Co.

## SOUTH CAROLINA.

CHARLESTON—Moore-Leland Paint & Oil Co.

## TENNESSEE.

CHATTANOOGA—Chattanooga Paint Co
Lookout Paint Mfg. Co.
MEMPHIS—Bartholomew Roofing Co.
De Soto Paint Mfg. Co.
True-Tagg Paint Co.
NASHVILLE—Atlas Paint Co.
Warren Paint & Color Co.

## TEXAS.

DALLAS—Lincoln Paint & Color Co.
GALVESTON—Baulard V. L. & Co.
HOUSTON—Sherwin-Williams Co.
Kuhn's Paint & Varnish Works

## UTAH.

SALT LAKE CITY—Carbon Preservative Paint Co. ("C. P. P." Hydro-Carbon)

## VIRGINIA.

LYNCHBURG—National Paint & Manganese Co.
NEWPORT NEWS — Duristo Paint Co. ("Duristo")
NORFOLK—Jenkins Paint & Oil Co. ("Basol" Semi Liquid)
RICHMOND—Alcatraz Co., Inc. (Roofing), 3200 Williamsburg av
Tanner W. S. Paint Co., 1303 E Main

### WASHINGTON.

SEATTLE—Bitu-Mo-Lin Products Co., Inc. (Antifouling, Copper, Marine & Roofing)
Masury John W. & Son, 5016 20th, N. W.
SPOKANE—**Jones & Dillingham**
Spokane Paint & Oil Co.
TACOMA—**Mashell Paint Co.**
Pacific Glass & Paint Co.

### WEST VIRGINIA.

HUNTINGTON—Ashland Paint Co.
Standard Ultramarine Co.
WHEELING—Blue Ribbon Paint Co.
Wilson W. A. & Sons (Jobbers)

### WISCONSIN.

IRON RIDGE—Winter's Metallic Paint Co.
MILWAUKEE—O'Neil Oil & Paint Co., 297 E Water
Patton Paint Co.
Retardo Fire Proof Paint Co., 416 E North av
Ricketson Mineral Paint Works (Iron Ore), South Bay
Zummach Wm. F., 283 W Water
OSHKOSH—Parker Ira & Sons Co.
STEVENS POINT—Wisconsin Graphite Co.

## 10526—Paint Mfrs.' Color Cards

Adams & Elting Co., 726 Wash. blvd, Chicago, Ill.
Bradt Paint Specialty Co., Troy, N. Y.
Braithwaite C. W. Co., 300 S Racine av, Chicago, Ill.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Kinsey & Johnson, 230 Pearl, Cincinnati O.
La Clede Mfg Co., Buffalo, N. Y.
Morrison Chas. C. Co. (For Mixed Paint, etc), 15 S Clinton, Chicago, Ill.
White W. J. & Co., 81 Amsterdam, Detroit, Mich.

## 10526a— *Paint Sprayers

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

For Oil Paints and Varnishes, using compressed air for atomizing. We also build Whitewash Sprayers.

**MACLEOD CO., 2227 Bogen St., Cincinnati, O.**

**PAASCHE AIR BRUSH CO.**, 1249 Washington blvd, Chicago, Ill.
*See adv index at end of book*

## 10527—Paint & Varnish Remover

Acme White Lead & Color Works ("Acme"), St. Aubin & M C RR, Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite"), 726 Washington blvd, Chicago, Ill.
Albany Chemical Co. ("Albany" Paint & Varnish Remover), Albany, N. Y.
Arnstein Eugene ("Blitz"), 45 W 26th, Chicago, Ill.
Atlantic Drier & Varnish Co. ("Takitof"), Meadow & Wolf, Phila., Pa.
Ball Chemical Co. ("Ball's"), Fulton bldg, Pittsburgh, Pa.
Berry Bros. ("Apex"), Detroit, Mich.
Bird J. A. & W. & Co. ("Mistic"), 88 Pearl, Boston, Mass.
Blenio Products Corp. ("Blenio Process"), 220 Fifth av, New York
Boston Varnish Co. ("Boston"), Everett Station, Boston, Mass.
Boyle A. S. Co. ("Var-ni-go"), 1934 Dana av, Cincinnati, O.
Bradley & Vrooman Co. ("Crown"), 2632 S Dearborn, Chicago, Ill.
Bridgeport Wood Finishing Works (Du Pont), ("Bridgeport Standard"), Philadelphia, Pa.
Brooklyn Varnish Mfg. Co. ("Peerless"), 35 Nostrand av, Brooklyn, N. Y.
Burbank & Ryder ("Bunker Hill"), Boston, Mass.
Calman Emil & Co. ("Zymolite"), 100 William, New York
Campbell Glass & Paint Co. ("Cleanoff"), 816 N 7th, St. Louis, Mo.
Century Mfg. Co., 272 W. Genessee, Buffalo, N. Y.
Chadeloid Chemical Co., 100 William, New York
Chalmers Chemical Co. ("Phenoid"), 115 Chestnut, Newark, N. J.
Chicago White Lead & Oil Co. ("Magic"), 1454 S Western av, Chicago, Ill.
Crockett D. B. Co. ("E. Z."), Bridgeport, Conn.
Day Jas B. & Co. ("Kut-Kote"), 214 W. Ohio, Chicago, Ill.
De Ronde Frank S. ("De Ronde"), 24 Stone, New York
Detroit White Lead Works ("Ab-lu-ent"), 560 E Milwaukee, Detroit, Mich.
du Pont (E. I.) de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
Eberson Lindslay Paint Co. ("V. & P. Solvent"), 1832 Morgan, St. Louis, Mo.
Enterprise Paint Mfg. Co. ("Noall"), 854 W Van Buren, Chicago, Ill.
Flint Varnish & Color Works ("Re-movit"), Flint, Mich.
Forest City Paint & Varnish Co. ("Forest City"), 3334 Lakeside av, Cleveland, O.
Fuller W. P. & Co. ("Conqueror"), 301 Mission, San Francisco, Cal.
Gillespie Chas. H. & Sons ("Monarch Bull Dog"), Dey, Jersey City, N. J.
Glidden Co. ("Glidden's"), Madison av & Berea rd, Cleveland, O.
Gould & Cutler ("Eclipse"), 45 Sudbury, Boston, Mass.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Hilo Varnish Corp. ("Hilo"), Marcy & Flushing av, Brooklyn, N. Y.
Indianapolis Paint & Color Co. ("Rapid"), Indianapolis, Ind.
Johnson S. C. & Son ("Johnson's Electric Solvo"), Racine, Wis.
Keystone Varnish Co. ("23-Skiddo"), 71 Otsego, Brooklyn, N. Y.
Lawrence W. W. & Co. ("Klean-itt"), N Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co. ("Lincoln"), Lincoln, Neb.
Lucas John & Co. ("Mirac"), 322 Race, Phila., Pa.
McPhee & McGinnity Co. ("Magic Solvent"), Denver, Colo.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Messenger F. H. Co., Auburn, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Palmer-Price Co. ("Eureka"), 270 Chestnut, Newark, N. J.
Parrott Varnish Co., ("Parrott"), Bridgeport, Conn.
Patterson-Sargent Co. ("B. P. S."), 1325 E 38th, Cleveland, O.
Patton Paint Co. ("Patton's"), Milwaukee, Wis.
Peninsular Paint & Varnish Co. ("Peninsular"), St. Aubin & M C RR, Detroit, Mich.
Perry-Austen Mfg. Co. ("Instint"), Grasmere, S. I., N. Y.
Pratt & Lambert ("Expedite"), Buffalo, N. Y.
Prince Jas. H. Paint Co. ("Zip"), 5 Lancaster, Boston, Mass.
Samoline Corp., Inc ("Samoline" Cleaner), 2134 N Clark, Chicago, Ill.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co. ("Taxite"), Cleveland, O.
Standard Varnish Works ("Klensa"), 90 West, New York
Twin City Varnish Co. ("Kum-Off"), 521 Cleveland av, St. Paul, Minn.
Wadsworth-Howland Co. ("Jewel"), 225 N Carpenter, Chicago, Ill.
Wadsworth-Howland & Co. (Inc.), ("Magic"), 141 Federal, Boston, Mass.
Watson Geo. E. Co. ("Faultless"), 62 W Lake, Chicago, Ill.
Wilhelm A. Co. ("Wilhelm"), Reading, Pa.
Wilson Remover Co., 115 Chestnut, Newark, N. Y.

## Painting Sprays (Compressed Air)

See Pneumatic Painting Machines; also Paint & Whitewash Spraying Machines

## 10528— Paints (Acid Proof)

Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
American Bitumastic Enamels Co. ("Hermastic"), 17 Battery pl, New York
American Chemical & Mfg. Co. ("Hippo"), 617 Monticello av, Norfolk, Va.
Antakwa Co., 133 W Washington, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Barrett Co., 17 Battery pl, New York
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bradford Jas. Co., Wilmington, Del.
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Carbon Preservative Paint Co. ("C. P. P." Hydro-Carbon), Salt Lake City, Utah
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Detroit Graphite Co., 10 12th, Detroit, Mich.
Doggett Stanley, 11 Cliff, New York
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"), Des Moines, Ia.
Federal Process Co., Cleveland, O.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, Ohio
Glidden Co., Madison, av & Berea rd, Cleveland, O.
Jones Paint Co., Rome, N. Y.
Maire Paint Co., 329 Boston blk, Minneapolis, Minn.
Minwax Co., 18 E 41st ("Minwax"), New York
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nice, Eugene E., 272 S 2d, Phila., Pa.
Ohmlac Mfg. Co., 140 S Dearborn, Chicago, Ill.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Protexal Corp., 41 Barclay, New York
*See adv index at end of book*
Redmanol Chemical Products Co., 648 W 22d, Chicago, Ill.
Riesenman Mfg. Co., Ltd., Franklin, Pa.
Rinald Bros., 1142 N Hancock, Phila., Pa.
Semet-Solvay Co. ("Solvay"), Syracuse, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co. ("Ajax" Finishers), Cleveland, O.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Southwestern Paint & Varnish Co., Kansas City, Mo.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.
Zibell Damp Resisting Paint Co., 191 Culver av, Jersey City, N. J.

## 10528a—Paints (Alkali Resisting)

Standard Paint Co., 233 B'way, New York
Toch Bros., 320 5th av, New York

## 10529—Paints (Aluminum & Gold)

Adams & Elting Co. (Aluminum), 726 Washington blvd, Chicago, Ill.
Arlington Mfg. Co., Canton, O.
Arnstein Eugene, 45 W 26th, Chicago, Ill.
Baer Bros., 438 W 37th, New York
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Berry Bros. ("Aluminum"), Detroit, Mich.
BINSWANGER B. & CO., 329 N 3d, Phila., Pa.
Bronze Powder Works Co., Elizabeth, N. J.
Buffalo Oil, Paint & Varnish Co., Buffalo, N. Y.
Chicago Gold Enamel Co. (Washable Gold), Monadnock blk, Chicago, Ill.
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Day Jas B. & Co., 214 West Ohio, Chicago, Ill.
Detroit White Lead Works, 560 E Milwaukee, Detroit, Mich.
Devoe & Raynolds Co., Inc. ("Alustrium," "Dragon," "Brilliantine," Enamel Gold), 101 Fulton, New York
*See adv index at end of book*
Drakenfeld B. F. & Co., 50 Murray, New York
Forest City Paint & Varnish Co., 3334 Lakeside Ave., Cleveland, O.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.

Gerstendorfer Bros. ("Sapolin"), 221 E 42d, New York
Glidden Co. ("Jap-a-lac"), Madison av & Berea rd, Cleveland, O.
Heath & Milligan Mfg. Co., (Aluminum), 1833 Seward, Chicago, Ill.
Hemmerdinger L. & Co., 438 E 123d, New York
Hommel O. Co., Hope & Maple, Pittsburgh, Pa.
Kay & Ess Co., Dayton, O.
Lawrence W. W. & Co. ("Lawrence," "Fort Pitt," "Royal"), W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Martin-Senour Co. (Aluminum "Monarch"), 2520 Quarry, Chicago, Ill.
Montauk Paint Mfg. Co. ("Montauk," Aluminum & Silver & Gold), 2d av & 13th, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Patton Paint Co. (Alum.), Milwaukee, Wis.
Rath Mfg. Co. ("Swiss Silverito" Aluminum & "Swiss Goldbrite," Gold), Headley E of Richmond, Phila., Pa.
St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.
Sartorius A. & Co., 57 Murray, New York
Sherwin-Williams Co., Cleveland, O.
Tucker Mfg. Co., 17 E 137th, New York
Wadsworth, Howland & Co., 141 Federal Boston, Mass.
Woolsey, C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10529a—Paints (Anti-Cyanide)

Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Detroit Graphite Co., 10 12th, Detroit, Mich.
Standard Paint Co., 233 B'way, New York
Toch Bros., 320 5th av, New York
Trus-Con Laboratories, Detroit, Mich.

## 10530— Paints (Asbestos)

Acme Asbestos Covering & Supply Co., 404 N Ada, Chicago, Ill.
*See adv index at end of book*
Acme White Lead & Color Works, St. Aubin & M C RR, Detroit, Mich.
American Roofing Co., Kansas City, Mo.
Arco Co., Euclid Ave. & E, 65th, Cleveland, O.
Becker-Moore Paint Co., 2nd & Soulard, St Louis, Mo.
Bradford Jas. Co., 8 E 3d, Wilmington, Del.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Ehret Magnesia Mfg. Co., Land Title bldg Phila., Pa.
Keystone Roofing Mfg. Co., York, Pa.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Patton Paint Co. ("Sun Proof"), Milwaukee, Wis.
Sall Mountain Co., 305 S La Salle, Chicago, Ill.
Watson H. F. Co., Erie, Pa.

## 10531— Paints (Asphalt)

Arco Co., Euclid Ave. & E. 65th, Cleveland, O.
Armstrong Paint & Varnish Works ("Diamond Oil Black"), 2502 Paulina, Chicago, Ill.
Aspromet Co., 1st National Bank bldg., Pittsburgh, Pa.
Atlantic Paint Co., Cleveland, O.
Atlas Co., Lincoln, N. J.
Barber Asphalt Paving Co. ("Titekote"), Land Title bldg, Phila., Pa.
Barrett Co., 17 Battery pl, New York
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bradford Jas. Co., 8 E 3d, Wilmington, Del.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
*See adv index at end of book*
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
Hammond Asphalt Products Co., Hammond, Ind.
Kay & Ess Co., Dayton, O.
Keystone Roofing Mfg. Co., York, Pa.
McHenry-Millhouse Mfg. Co., South Bend, Ind., & Fulton, N. Y.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
National Roofing Co., Tonawanda, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patent Vulcanite Roofing Co. ("Vulcanite"), 2256 W 49th, Chicago, Ill.
Patton Paint Co., Milwaukee, Wis.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Southwestern Paint & Varnish Co., Kansas City, Mo.
Stickney J. W. & Co., 31 Milk, Boston, Mass.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.
Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10532—Paints (Asphaltum)

Alcatraz Co., Inc. ("Blackat"), 3200 Williamsburg av, Richmond, Va.
American Bitumastic Enamels Co., ("Hermastic"), 17 Battery pl, New York
Arlington Mfg. Co., Canton, O.
Armstrong Paint & Varnish Works, 2502 S Paulina, Chicago, Ill.
Bayway Chemical Co. (Coal Tar), Elizabeth, N. J.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Certain-teed Products Corp., St. Louis, Mo.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Climax Refining Co., Williamson bldg, Cleveland, O.
Continental Products Co., Quebec av, Cleveland, O.
Cortland Specialty Co. ("Banner" Black), Cortland, N. Y.
Detroit White Lead Works, 560 E Milwaukee, Detroit, Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Jamestown Paint & Varnish Co., Jamestown, Pa.
Kay & Ess Co., Dayton, O.
McHenry-Millhouse Mfg. Co., South Bend, Ind., & Fulton, N. Y.
Masury Jno. W. & Son, 30 Jay, Brooklyn, N. Y.
Mitchell-Rand Mfg. Co., 18 Vesey, New York
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene Co., 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Otley Paint Mfg. Co. ("Eureka"), 1742 N Winchester av, Chicago, Ill.
Parker C. H. Co., Valparaiso, Ind.
*See adv index at end of book*

**PAINTS (Asphaltums)**
Air Drying, Baking and Dipping. Forty-two (42) grades. Special Products made upon request.
**C. H. PARKER CO.**
**Valparaiso, Indiana**
*Established since* 1871

Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
PERRY DERRICK VARNISH CO., 1660 Central av, Cincinnati, O.
St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.
Sipe Jas B. & Co., Bessemer bldg, Pittsburgh, Pa.
Thompson & Co., 837 W North av, Pittsburgh, Pa.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.
Wilhelm A. Co., Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10533-4— Paints (Barrel)

Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
California Paint Co., Oakland, Cal.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Devoe & Raynolds Co., 101 Fulton, New York *See adv index at end of book*
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Heller & Merz Co., 503 Hudson, New York
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lucas Jno. & Co., 322 Race, Phila., Pa.
Masury John W. & Son, 50 Jay, Brooklyn, N. Y.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Patterson-Sargent Co., Cleveland, O.
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.
Sipe Jas B. & Co., Bessemer bldg, Pittsburgh, Pa.
Standard Ultramarine Co., Huntington, W. Va.
Wadsworth, Howland & Co., ("Bay State"), 141 Federal, Boston, Mass.
Warren Paint Co., Warren, O.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## Paints (Bath-Tub)

**See Enamels, Bath Tub**

## 10535—Paints (Blackboard)

Hammett J. L. Co., Kendall sq. Cambridge, Mass.
*See adv index at end of book*
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10536-7—Paints (Brick and Concrete)

Adams & Elting Co. ("Ad-el-ite"), 726 Washington blvd, Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
American Bitumastic Enamels Co. ("Hermastic"), 17 Battery pl, New York
Antakwa Co., 133 W Washington, Chicago, Ill.
Antox Paint Co., Indianapolis, Ind.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
Blenio Products Corp. ("Blenio Process"), 220 Fifth av, New York
California Paint Co., Oakland, Cal.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Ceresit Waterproofing Co. ("Cem-bric Covering Compound"), 110 S Dearborn, Chicago, Ill. *See adv index at end of book*
Certain-teed Products Corp., St. Louis, Mo
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Chilton Paint Co., College Point, L. I., N. Y.

PAINTS (BRICK & CONCRETE)—cont.

**CONCRETE WATERPROOF PAINT CO.** ("Kling Koat"), 329 N 3d, Phila., Pa. *See adv index at end of book*


**"KLING KOAT"**
**CEMENT COATING**

Beautifies, Protects and Waterproofs Cement, Concrete, Stucco and Brick.

*—In different colors—*

**CONCRETE WATERPROOF PAINT CO.**

329-335 N. 3rd St. Phila., Pa.
*Mfrs. of "Hydroseal" Waterproof Paint*


Continental Products Co., Quebec av, Cleveland, O.
Cooledge F. J. & Sons, Atlanta, Ga.
Denny Hilborn & Rosenbach ("D. H. R."), 230 N 12th, Phila., Pa.
Detroit Graphite Co., 10 12th, Detroit, Mich.
Devoe & Raynolds Co., Inc. ("Derayco"), 101 Fulton, New York
Durabla Mfg. Co. ("Comos"), 114 Liberty, New York
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"), Des Moines, Ia.
Federal Process Co., Cleveland, O.
Feigel M. & Bro. ("D. R. P."), 185 Wooster, New York
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
**FOX M. EWING CO.** ("Permanite" & "Permanite," "Whitenite," "Cemenite" Water Paints), 241 E 136, New York. *See adv index at end of book*
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Glidden Co. ("Alkali Proof Wall Size," "Concrete Floor Dressing," "Stucolor," "Liquid Cement Coating," "Liquid Cement Filler," "Waterproof White Finish," "Waterproof Flat Finish," "French Caen Stone Finish," "Transparent Waterproofing," "Liquid Concrete," "Liquid Rubber," "Liquid Rubber Cement," "Colorless Waterproofing," "White Cement Enamel," Daylite Mill White), Madison av & Berea rd, Cleveland, O.
Goheen Corp., 25 W 43d, New York
Hanna Paint Mfg. Co., Columbus, O.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Imperial Paint Co. ("Impaco"), 80 10th Long Island City, N. Y.
Jenkins Paint & Oil Co., Norfolk, Va.
Jones Paint Co., Rome, N. Y.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lucas Jno. & Co., 322 Race, Phila., Pa.
Masury Jno. W. & Son, 50 Jay, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
New Process Chem. Co. (Concrete Ship), 39 Cortlandt, New York
Nice Eugene Co., 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
Patterson-Sargent Co. ("B. P. S.") 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Postal Paint & Color Co., 9420 Meech av, Cleveland, O.
Protexal Corp., 41 Barclay, New York
*See adv index at end of book*
Pyramid Paint Co. ("Macnichols"), 133 N 22d, Phila., Pa.
Reilly Co., Indianapolis, Ind.
Richmond Bros. ("Cemeline"), 616 Main, Cincinnati, O.
Rinald Bros., 1142 N Hancock, Phila., Pa.
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sike Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
Southwestern Paint & Varnish Co., Kansas City, Mo.
Stone Tar Products Co., 97 S 6th, Brooklyn, N. Y.
Storm Waterproofing Corp. ("Stormtite"), 417 5th av, New York
**THOMSON WOOD FINISHING CO,** (Concrete Waterproof), 329 N 3d, Phila., Pa. *See adv index at end of book*
Toch Bros. ("R. I. W.," Interior, "Liquid Konkerit" Exterior), 320 5th av, New York
Tropical Paint & Oil Co. ("Cementkote," "Elastikote"), W 70th, Cleveland, O.
U. S. Gutta Percha Paint Co., 1230 Dudley, Providence, R. I.
Vulcan Fuel Economy Co. (Boiler Settings), 828B Transportation, Chicago, Ill.
Vulcanite Roofing Co., 16th & Texas, San Francisco, Cal.
Wadsworth, Howland Co. ("Bay State"), 141 Federal, Boston, Mass.
Warren Paint & Color Co., Nashville, Tenn.
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
Waterall Wm. & Co. ("Cementco"), Camden, N. J.
West Coast Kalsomine Co. ("Wesco"), West Berkeley, Cal.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.
Wilhelm A. Co., Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## Paints (Bridge)

See Paints for Coating & Preserving Iron & Steel

## 10538— Paints (Carbon)

Antakwa Co., 133 W Washington, Chicago, Ill.
Arlington Mfg. Co., Canton, O.
Armstrong Paint & Varnish Works ("Karbon Kote"), 2502 S Paulina, Chicago, Ill.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Cheesman Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Continental Products Co., Quebec av, Cleveland, O.
Duristo Paint Co. ("Duristo"), Newport News, Va.
Elastic Compound Paint Co. ("Elastic Compound" Black), 5131 Kershaw, Phila., Pa.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Jenkins Paint & Oil Co. ("Delhi"), Norfolk, Va.
Moser Chas. Co. ("Durbon"), Cincinnati, Ohio
National Roofing Co., Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
Richmond Bros., 616 Main, Cincinnati, O.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
U. S. Graphite Co., Saginaw, Mich.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.

## Paints (Cement)

See Paints, Brick & Concrete

## 10538a—Paints (Coal Tar)

Semet-Solway Co., Syracuse, N. Y.
Trus-Con Laboratories, Detroit, Mich.

## 10539—Paints (Cold Japan)

American Cold Japan Co. (Bridges, Roofs, Stacks, etc.), Pittsburgh, Pa.

## 10540—Paints (Cold Water)

See also Kalsomine Mfrs.

Acme Asbestos Covering & Supply Co. ("Acme," Interior & "Bell" Fireproof & Waterproof Exterior), 404 N Ada, Chicago, Ill. *See adv index at end of book*
Acme White Lead & Color Works, St. Aubin & M C RR, Detroit, Mich.
Adams & Elting Co., 726 Washington blvd, Chicago, Ill.
Arlington Mfg. Co., Canton, O.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bird J. A. & W. & Co. ("Petrol," "Magnite," "Bird"), 88 Pearl, Boston, Mass.
Blenio Products Corp. ("Blenio Process"), 220 Fifth av, New York
Brown Chas. H. Paint Co., 262 Fulton, Brooklyn, N. Y.
California Paint Co., Oakland, Cal.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Columbia Refining Co. ("Aqualite" Fire & Weatherproof; also "Muraltint" & "White Rose"), 90 West, New York
Connors Wm. Paint Mfg. Co., Troy, N. Y.
De Soto Paint Mfg. Co. ("Memphi"), Memphis, Tenn.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Federal Asbestos Co., Milwaukee, Wis.
Flintkote Co. ("Magnite"), 88 Pearl, Boston, Mass.
**FOX M. EWING CO.** ("Permanite," "Whitenite" Water Paints), 241 E 136th, New York *See adv index at end of book*
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Frescoat Co., Grand Rapids, Mich.
Gilman Paint & Varnish Co., Chattanooga, Tenn.
Hammond-Benjamin, Beacon, N. Y.
Hardie Mfg. Co. ("Stay There" Fire & Waterproof), Hudson, Mich.
Johns-Manville H. W. Co., Madison av & 41st, New York
King J. B. & Co. ("King's Perfected"), 17 State, New York
King Paint Mfg. Co. ("King's"), 449 Kent av, Brooklyn, N. Y.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
Moser Chas. Co., Cincinnati, O.
Munns E. A. Kalsomine Co., 217 Fulton, Brooklyn, N. Y.
Muralo Co. ("Indelible"), Richmond Ter., New Brighton, Borough of Richmond, New York
Murphy Chas. J. Paint Co., 406 N Calvert, Baltimore, Md.
Neptune Paint Co., Hudson, Mich.
Nice Eugene E., 272 S 2d, Phila., Pa.
Oxidite Mfg. o., Arlington, Mass.
Paragon Plaster Co., 300 W Water, Syracuse, N. Y.
Reardon Paint Co., 2d & Clinton, St. Louis, Mo.
Richmond Bros., 616 Main, Cincinnati, O.
Tucker Mfg. Co., 17 E 137th, New York
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
West Coast Kalsomine Co. ("Wesco" Velvet Tints & Wall Colors), West Berkeley, Cal.
Whittaker, Clark & Daniels, Inc., 250 Front, New York
Wilhelm A. Co., Reading, Pa.
Winn Wm. R. ("Winn"), 488 Cherry, New York
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10541— Paints (Copper)

See also Paints, Marine

Amalgamated Paint Co. ("Amalco," "Amalgamated"), Pier 11, North River, New York
Antox Paint Co., Indianapolis, Ind.
Arlington Mfg. Co., Canton, O.
Armstrong Paint & Varnish Works ("Kopper-Kote"), 2502 S Paulina, Chicago, Ill.
**BINSWANGER B. & CO.,** 329 N Third, Phila., Pa.
Bit-Mo-Lin Products Co., Inc., Seattle, Wash.
Bredell Composition Co., 818 Mission, San Francisco, Cal.
Briggs John & Co. ("Champion" Ready Mixed), 45 Purchase, Boston, Mass.

Brown Chas. H. Paint Co. ("Statesman"), 262 Fulton, Brooklyn, N. Y.
California Paint Co., Oakland, Cal.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Chilton Paint Co., College Point, L. I., N. Y.
Debevoise Company (And Ship Composition), 968 Grand, Brooklyn, N. Y.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Duristo Paint Co. ("Duristo"), Newport News, Va.
French Saml H. & Co., 4th & Callowhill, Phila., Pa.
Henderson & Johnson, Gloucester, Mass.
Howell C. H. & Co., 212 Race, Phila., Pa.
Kuhls H. B. Fred ("Elastic"), 6413 3d av, Brooklyn, N. Y.
Longman & Martinez, 54 Maiden la, New York
Lucas Jno. & Co., 322 Race, Phila., Pa.
Miller & Graham, 21 S Gay, Baltimore, Md.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Mott Haven Color Works, 395 Mott av, New York
New Jersey Paint Works (H. Louderbough, Prop.), Wayne, Jersey City, N. J.
New Process Chem. Co., 39 Cortlandt, New York
Nice Eugene E., 272 S 2d, Phila., Pa.
Pierce F. O. Co., 10 E 43d, New York
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Southwestern Paint & Varnish Co., Kansas City, Mo.
Tarr Jas. H. Co. (Marine), Gloucester, Mass.
Tarr & Wonson, Gloucester, Mass.
Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Warren Paint & Color Co., Nashville, Tenn.
WOOLSEY C. A. PAINT & COLOR CO. ("Copper Best"), 490 Grand, Jersey City, N. J.

## 10542—Paints (Damp Resisting)

See also Paints, Brick & Concrete; also Waterproofing Materials
American Bitumastic Enamels Co. ("Hermastic"), 17 Battery pl, New York
Blenio Products Corp. ("Blenio Process"), 220 Fifth av, New York
California Paint Co., Oakland, Cal.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
Detroit Graphite Co. ("Anti-Aqua"), 10 12th, Detroit, Mich.
Goheen Corp. ("Comaco"), 25 W 43rd, New York
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Horn A. C. Co., Horn bldg, Long Island City, New York
Patton Paint Co., Milwaukee, Wis.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Storm Waterproofing Corp. ("Stormtite"), 417 5th av, New York
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10543— Paints (Dipping)

Antakwa Co. ("Antakwa"), 133 W Washington, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Becker-Moore Paint Co., 2nd & Southard, St. Louis, Mo.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Canton Paint & Glass Co., Canton, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
Detroit White Lead Works, 560 E Milwaukee, Detroit, Mich.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Gilman Paint & Varnish Co., Chattanooga, Tenn.
Lowe Bros. Co., Dayton, O.
Moline Paint Mfg. Co., Moline, Ill.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Protexol Corp., 41 Barclay, New York *See adv index at end of book*
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rinald Bros., 1142 N Hancock, Phila., Pa.
St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
THOMSON WOOD FINISHING CO., 329 N 3d, Phila., Pa. *See adv index at end of book*
United States Graphite Co., Saginaw, Mich.
Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10543a— Paints (Dry)

McNulty Joseph A., 135 William, New York *See adv index at end of book*

## 10544— Paints (Earth)

McNulty Joseph A., 135 William, New York *See adv index at end of book*

## Paints (Enamel)

See Enamels

## 10545— Paints (Fireproof)

Hoff Magnesite Co. ("Hoffite Asbestos"), Monadnock bldg, San Francisco, Cal.
International Fire Prooing Paint Corp. "Pryo-Non"), 61 B'way, New York
Union Insulating & Construction Co., 20 W Jackson blvd, Chicago, Ill. *See adv index at end of book*

## 10546—Paints (Fire Resisting)

Acme Asbestos Covering & Supply Co. (For Spray Pumps & Brushes), 404 N Ada, Chicago, Ill. *See adv index at end of book*
Acme White Lead & Color Wks., St. Aubin & M C RR, Detroit, Mich.
American Cold Japan Co., Pittsburgh, Pa.
Antox Paint Co., Indianapolis, Ind.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
BINSWANGER B. & CO., 329 N Third, Phila., Pa.
Blenio Products Corp. ("Blenio Process"), 220 Fifth av, New York
Bradford Jas. Co., Wilmington, Del.
Canton Paint & Glass Co., Canton, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Chilton Paint Co., College Point, L. I., N. Y.
Crawford Specialty Mfg. Co., Blackstone bldg., Cleveland, O.
Detroit Graphite Co., 10 12th Detroit, Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Elaterite Paint Mfg. Co. ("Des Moines Elaterite"), Des Moines, Ia.
Federal Asbestos Co., Milwaukee, Wis
Federal Process Co., Cleveland, O.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
FOX M. EWING CO. ("Permanite" Water Paint), 241 E 136th, New York *See adv index at end of book*
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Goheen Corp. (Acid Heat Resisting), 25 W 43rd, New York
Great Lakes Refining Co. ("Jet Black"), 5716 Euclid av, Cleveland, O.
Hoff Magesite Co. ("Hoffite"), Monadnock bldg, San Francisco, Cal.
Hydro Damp-Proofing & Engineering Co., Pittsburgh, Pa.
Ironsides Co., Columbus, O.
Jones Paint Co. ("Roofcoat"), Rome, N. Y.
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila., Pa.
Maire Paint Co., 329 Boston blk, Minneapolis, Minn.
Nice Eugene E., 272 S 2d, Phila., Pa.
Ohmlac Mfg. Co., 140 S Dearborn, Chicago, Ill.
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co. (Asbestos), Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av., Phila., Pa.
Postal Paint & Color Co., 9420 Meech av, Cleveland, O.
Price Fire & Water Proofing Co. ("Fire Foe" For Wood & Interior Decoration), Poughkeepsie, N. Y.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rinald Bros., 1142 N Hancock, Phila., Pa.
Semet-Solvay Co. ("Solvay"), Syracuse, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
Toch Bros. ("199 C. W." Paint), 320 5th av, New York
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
U. S. Refining Co., 1291 W 11th, Cleveland, O.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
Watson H. F. Co., Erie, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.

## 10547— Paints (Flat Wall)

Blenio Products Corp. ("Blenio Process"), 220 Fifth av, New York
California Paint Co., Oakland, Cal.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
Continental Products Co., Quebec av, Cleveland, O.
Detroit Graphite Co. ("Degracotone"), 10 12th, Detroit, Mich.
Goheen Corp., 25 W 43d, New York
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Nice Eugene Co., 272 S 2d, Phila., Pa.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av., Phila, Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
THOMSON WOOD FINISHING CO. ("Sanotone"), N 3rd, Phila., Pa. *See adv index at end of book*
WOOLSEY C. A. PAINT & COLOR CO. ("Menitone"), 490 Grand, Jersey City, N. J.

## 10547a—*Paints (Floor Concrete)

Concrete Waterproof Paint Co., 329 3rd, Phila., Pa. *See adv index at end of book*


**"PENETRITE"**
**FLOOR FINISH**
*In either gloss or flat*
Making concrete floor dustproof, washable and at the same time protecting and beautifying them.
In Red, Gray, White. Special colors in quantity made to order
**CONCRETE WATERPROOF PAINT CO.**
329-335 N. 3rd St. Phila., Pa.

## 10548—Paints for Coating & Preserving Iron & Steel

Acheson Graphite Co. (Graphite), Niagara Falls, N. Y.
Acme White Lead & Color Wks., St. Aubins & M C. R. R., Detroit, Mich.
**Adams & Elting Co. ("Ad-el-ite"), 726 Washington blvd, Chicago, Ill.**
Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
Allen Anti-Rust Mfg. Co., Glenn bldg, Cincinnati, O.
American Bitumastic Enamels Co. ("Hermastic"), 17 Battery pl, New York.
American Chemical & Mfg. Co. ("Hippo"), 617 Monticello, Norfolk, Va.
American Cold Japan Co., Pittsburgh, Pa.
Antakwa Co., 133 W Washington, Chicago, Ill.
Antox Paint Co., Indianapolis, Ind.
Arco Co., Euclid av. & E 65th, Cleveland, O.
Arlington Mfg. Co. ("Carbonelastic" Coating), Canton, O.
Atlas Paint Co., Nashville, Tenn.
Ball Chemical Co., Fulton bldg, Pittsburgh, Pa.
Barrett Co. ("Everjet Elastic," "Monitor" Metal), 17 Battery pl, New York
Bayway Chemical Co. (Coal Tar Asphaltum), Elizabeth, N. J.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Bethlehem Steel Co. ("Cunningham" Coal Tar), S Bethlehem, Pa.
Billings-Chapin Co. ("Rustnought"), Cleveland. O.
**BINSWANGER B. & CO.** (M. P. Coating), 329 N Third, Phila., Pa.
Black Diamond Mfg. Co., 1219 Bank, Cincinnati, O.
**Blocki-Brennan Refining Co. ("Carboxide" Elastic Metal Preserver), 11 N La Salle, Chicago, Ill.**
**Blood T. L. & Co., 413 Wacouta, St. Paul, Minn.**
Bradford Jas. Co., Wilmington, Del.
Buckeye Paint & Varnish Co., Toledo, O.
Buffalo Oil, Paint & Varnish Co., Buffalo, N. Y.
Burgess, Fobes & Co., Portland, Me.
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
**Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.**
Chatfield Mfg. Co. ("Carbo" Black Enamel), Carthage, Cincinnati, O.
Chattanooga Paint Co. (Ore), Chattanoga, Tenn.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, New York
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Chilton Paint Co., College Point, L. I., N. Y.
Climax Refining Co., Williamson bldg, Cleveland, Ohio.
Clinton Metallic Paint Co., Clinton, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal" Anti-Rust), Troy, N. Y.
Conrad Wood Preserving Co., 118 Plymouth av, Minneapolis, Minn.
Continental Products Co., Quebec av, Cleveland, O.
Cooledge F. J. & Sons, Atlanta, Ga.
Debevoise Company, 968 Grand, Brooklyn, N. Y.
Detroit Graphite Co., 10 12th, Detroit, Mich.
Detroit White Lead Works, 560 E Milwaukee, Detroit, Mich.
**Devoe & Raynolds Co., Inc., 101 Fulton,** New York *See adv index at end of book*
Dixon Joseph Crucible Co. ("Dixon's" Silica-Graphite), Jersey City, N. J.
Doggett Stanley, 11 Cliff, New York
Eagle Paint & Varnish Co. (Guaranteed Structural), 225 Galveston, Pittsburgh, Pa.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Elaterite Paint & Mfg. Co. ("Des Moines" Elaterite"), Des Moines, Ia.
**Eureka Chemical Co., 970 Grand av, Brooklyn, N. Y.**
Federal Process Co., Cleveland, O.
**Felton, Sibley & Co., 136 N 4th, Phila., Pa.**
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
**Frazer Paint Co., Hubbard & M. C. R. R., Detroit, Mich.**
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Glidden Co., Madison av & Berea rd, Cleveland, O.
**Goheen Mfg. Co. (Carbonizing Coating),** Canton, O.
Great Lakes Refining Co. ("Jet Black"), 5716 Euclid av, Cleveland, O.
Hammond Process Co. ("Ferox' Iron Oxide), Norwich, Conn.
Hanna Paint Mfg. Co., Columbus, O.
Hardy Paint & Varnish Co., Toledo, O.
**Hascall Paint Co., W 70th, Cleveland, O.**
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Hydrex Felt & Engineering Co., 120 Liberty, New York
Imperial Paint Co. ("Impaco"), 80 10th, Long Island City, N. Y.
Iowa Paint Mfg. Co., Fort Dodge, Ia.
Ironsides Co., Columbus, O.
Jenkins Paint & Oil Co. ("Delhi"), Norfolk, Va.
**Johnston R. F. Paint Co., Pearl & Main, Cincinnati, O.**
Jones Paint Co. ("Elastic Enamel"), Rome, N. Y.
Kay & Ess Co., Dayton, O.
**Keystone Albumen & Paint Co., 1346 N Marston, Phila., Pa.**
Keystone Paint & Filler Co., Muncy, Pa.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co., Lincoln, Neb.
Long Chas. R., Jr., Co., Louisville, Ky.
Lowe Bros. Co., Dayton, O.
Lucas John & Co. ("Metafife"), 322 Race, Phila., Pa.
McNaughton Wm. D., 185 Oakland, Brooklyn, N. Y.
**Mamolith Carbon Paint Co., 2d & Main, Cincinnati, O.**
Means & Thatcher ("Thermolin"), Norfolk Downs, Quincy, Mass.
**Minwax Co., 18 E 41st, New York**
Monarch Paint Co., W 70th, Cleveland, O.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
**Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.**
National Roofing Co. ("Egyptian," "Corporation," "Black Knight"), Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Nubian Paint & Varnish Co. ("Carbonkote," "Brewice"), 1856 Leclaire av, Chicago, Ill.
Ohio Chemical Co., Findlay, O.
**Ohmlac Mfg. Co., 140 S Dearborn, Chicago, Ill.**
Otley Paint Mfg. Co. ("Eureka" Graphite, etc), 1742 N Winchester av, Chicago, Ill.
**PARKER C. H. CO.,** Valapraiso, Ind.
*See adv index at end of book*
Patterson-Sergent Co. ("Nobrac"), 1325 E 38th, Cleveland, O.
Patton Paint Co. ("Ironhide"), Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av., Phila., Pa.
Popplein G. & N., 220 Guilford, Baltimore, Md.
Preservative Products Co. ("Esco"), 1133 B'way, New York
Prince James H. Paint Co., 5 Lancaster, Boston, Mass.
Prince Mfg. Co. (Double Label Mineral Brown), 165 B'way, New York
Protectus Paint Co., North American bldg, Phila., Pa.
**PROTEXOL CORPORATION,** 41 Barclay, New York
Pyramid Paint Co. ("Kant-Korod"), 133 N 22d, Phila., Pa.
**Reeder Jno. S. (Cold Japan), Hamilton, O.**
Reeves Co. ("Lone Star"), 805 Howard av, New Orleans, La.
Reiseman Mfg. Co. (Ttd.), ("Eclipse"), Franklin, Pa.
Reliance Paint Co., 357 Bond, Brooklyn, N. Y.
Republic Paint & Lead Works, 5716 Euclid av, Cleveland, O.
**Ricketson Mineral Paint Works, South Bay, Milwaukee, Wis.**
Rinald Bros. (Bessemer Paints), 1142 N Hancock, Phila., Pa.
**Rossie Iron Ore Paint Co., Ogdensburg, N. Y.**
Rubber Paint Co., cor Warner & Wooster, Baltimore, Md.
St. Louis Surfacer & Paint Co. ("Metalsteel"), Arlington & Terminal & Belt Line, St. Louis, Mo.
**St. Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.**
Semet-Solvay Co. ("Crysolite"), Syracuse, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Shoemaker Robt. & Co., 4th & Race, Phila., Pa.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
Smith Edw. & Co., 127 W av, Long Island City, N. Y.
**Sonneborn L. Sons ("Amalie"), 262 Pearl, New York**
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Southwestern Paint & Varnish Co., Kansas City, Mo.
**Spiritine Chemical Co., Wilmington, N. C.**
**Standard Paint Co. ("Flexite"), 233 B'way, New York**
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
**Sterling Varnish Co. (Black Iron Enamel). Fulton bldg, Pittsburgh, Pa.**
Stickney J. W & Co., 31 Milk, Boston, Mass.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
**Swift Paint Co. ("Black Giant," Front End Enamel), 10550 Euclid av, Cleveland, O.**
Thompson & Co. ("Diamond"), 857 W North, Pittsburgh, Pa.
**Toch Bros. ("Tockolith" & "R. I. W."),** 320 5th av, N S, New York
**Tropical Paint & Oil Co. ("Elastikote"** "Toco" Graphite), W 70th, Cleveland, Ohio
Trus-Con Laboratories, Caniff & Grant R. R., Detroit, Mich.
Tucker Mfg. Co., 17 E 137th, New York
Ulster Paint Works, Ellenville, N. Y.
United States Graphite Co., Saginaw, Mich.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
United States Refining Co., 1291 W 11th Cleveland, O.
**VULCAN FUEL ECONOMY CO.,** 828 B Transportation bldg, Chicago, Ill.
*See adv index at end of book*
Vulcanite Roofing Co. ("W. & P."), 16th & Texas, San Francisco, Cal.
Wadham's Oil Co., 359 Clinton, Milwaukee, Wis.
Wadsworth-Howland Co. ("Bay State" **Steel & Protective Coating), 141 Federal, Boston, Mass.**
**Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.**
**Warren Paint & Color Co., Nashville, Tenn.**
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
**Watson H. F. Co. (Red & Oxide Metallic), Erie, Pa.**
**Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.**
**Wilhelm A. Co., Reading, Pa.**
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10549— Paints (Freight Car)

Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Clinton Metallic Paint Co., Clinton, N. Y
**IMPERVIOUS VARNISH CO.,** 421 Wood, Pittsburgh, Pa.
**Nice Eugene E., 272 S 2d, Phila., Pa.**
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York

## 10550— Paints (Fume Proof)

Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Redmanol Chemical Products Co., 636 W 22nd, Chicago, Ill.
Standard Paint Co., 233 B'way, New York
Toch Bros., 320 5th av, New York
Trus-Con Laboratories, Detroit, Mich.

## Paints (Gold)

See Paints, Aluminum & Gold

## 10551— Paints (Graphite)

Acheson Graphite Co., Niagara Falls, N. Y.
**Acme White Lead & Color Works, St. Aubin & M. C. R.R., Detroit, Mich.**
**Antox Paint Co., Indianapolis, Ind.**
Arco Co., Euclid av & E 65th, Cleveland, Ohio.
**Arlington Mfg. Co., Canton, O.**
**Atlantic Paint Co., Cleveland, O.**
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
**BINSWANGER B. & CO.**, 329 N 3rd, Phila. Pa.
Blayz Paint & Varnish Co. ("Blayz"), Spencer, Toledo, Ohio
**Blood T. L. & Co., 413 Wacouta, St. Paul, Minn.**
**Boydell Bros. White Lead & Color Co.**, 403 E Lafayette, Detroit, Mich.
Bradford Jas. Co., Wilmington, Del.
Brown Chas H. Paint Co., 262 Fulton, Brooklyn, N. Y.
**Buckeye Paint & Varnish Co., Toledo, O.**
**Buffalo Oil, Paint & Varnish Co., Buffalo, N. Y.**
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Certain-teed Products Corp, Boatmen's Bank bldg, St. Louis, Mo.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
**Chilton Paint Co., College Point, L. I., N. Y.**
**Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.**
Continental Products Co., Quebec av, Cleveland, O.
**Cooledge F. J. & Sons, Atlanta, Ga.**
Detroit Graphite Co. ("Superior"), 10 12th, Detroit, Mich.
**Detroit White Lead Works, 560 E. Milwaukee, Detroit, Mich.**
**Devoe & Raynolds Co., Inc., 101 Fulton,** New York *See adv index at end of book*
**Dixon Joseph Crucible Co., Jersey City, N. J.**
**Forest City Paint & Varnish Co.,** 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
**French Sam'l H. & Co., 5th & Callowhill, Phila., Pa.**
Goheen Corp., 25 W 43rd, New York
**Jenkins Paint & Oil Co. ("Delhi"), Norfolk, Va.**
**Kay & Ess Co., Dayton, O.**
**Lawrence W. W. & Co. ("Duquesne" & "Lawrence"), Pittsburgh, Pa.**
**Lincoln Paint & Color Co. ("Aztec"), Lincoln, Neb.**
**Lucas John & Co., 322 Race, Phila., Pa.**
**Miller & Graham, 21 S Gay, Baltimore, Md.**
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
**Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.**
**National Roofing Co., Tonawanda, N. Y.**
**Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.**
**Nice Eugene E., 272 S 2d, Phila., Pa.**
**Ohio Filler & Shield Co., 522 City av, Columbus, O.**
**Otley Paint Mfg. Co. (Mixed in Oil), 1742 N Winchester av, Chicago, Ill.**
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
**Patton Paint Co., Milwaukee, Wis.**
Postal Paint & Color Co., 9420 Meech av, Cleveland, O.
Richmond Bros., 616 Main, Cincinnati, O.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
**Rinald Bros., 1142 N. Hancock, Phila., Pa.**
Robinson Paint Co., Aurora, Ill.
**St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.**
**St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.**
Shaffer Color & Varnish Corp., Hoboken, N. J.
**Sherwin-Williams Co., Cleveland, O.**
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
**Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.**
Thompson & Co., 857 W North av, Pittsburgh, Pa.
**Tropical Paint & Oil Co. ("Toco"), W 70th, Cleveland, O.**
**United States Graphite Co., Saginaw, Mich.**
Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.
**Warren Paint Co., Warren, O.**
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
**Wilhelm A. Co., Reading, Pa.**
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## Paints (Heat Resisting)

**See Paints, Fire Resisting**

## Paints (Hydraulic)

**See Waterproofing Materials**

## 10552— Paints (Ice Can)

**Allen Anti-Rust Mfg. Co., Glenn bldg, Cincinnati, O.**
Arco Co., Euclid av & E 65th, Cleveland, Ohio.
**Black Diamond Paint & Varnish Works ("Vol-Ka-No" Black), 1219 Bank, Cincinnati, O.**
**Federal Process Co., Cleveland, O.**

## 10553— Paints (Insulating)

**See also Varnishes, Insulating**

**Acme White Lead & Color Works, St. Aubin & M. C. R.R., Detroit, Mich.**
Antakwa Co., 133 W Washington, Chicago, Ill.
**Antox Paint Co., Indianapolis, Ind.**
Arco Co., E 65th, Cleveland, Ohio.
Arlington Mfg. Co., Canton, O.
Barrett Co. (Electrical), 17 Battery pl, New York.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
**Boydell Bros. White Lead & Color Co.,** 40 E Lafayette, Detroit, Mich.
**Cabot Samuel (Inc.), 141 Milk, Boston, Mass.**
California Paint Co., Oakland, Cal.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
**Chicago Mica Co. ("Champion"), Valparaiso, Ind.**
**Devoe & Raynolds Co., Inc., 101 Fulton,** New York *See adv index at end of book*
**Dielectric Mfg. Co., 224 S Vandeventer av, St. Louis, Mo.**
**Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"), Des Moines, Ia.**
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
General Electric Co., Schenectady, N. Y. *See adv index at end of book*
Glidden Co., Madison av & Berea rd, Cleveland, O.
Handy Supply Co., 11737 Detroit av, Cleveland, O.
**Hanna Paint Mfg. Co., Columbus, O.**
Insulatine Co., 1 Broadway, New York
Insulating Materials Co., 805 Wesson av, Detroit, Mich.
**Jamestown Paint & Varnish Co., Jamestown, Pa.**
Lehon Co., 4451 South Oakley av, Chicago, Ill. *See adv index at end of book*
**Mica Insulator Co. ("M. I. C.," "Linolac"), 68 Church, New York**
**Mitchell-Rand Mfg. Co., 18 Vesey, New York**
**Nice Eugene E., 272 S 2d, Phila., Pa.**
**Ohmiac Mfg. Co., 140 S Dearborn, Chicago, Ill.**
**Paragon Insulating Co., 5716 Euclid, Cleveland, O.**
**Patent Vulcanite Roofing Co. ("Elite" & Mineral Compound), 2256 W 49th, Chicago, Ill.**
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
**Protectus Paint Co., North American bldg, Phila., Pa.**
**Riesenman Mfg. Co. (Ltd.), Franklin, Pa.**
Robertson Chemical Co., 9808 Meech av, Cleveland, O.
**Semet-Solvay Co. ("Solvay"), Syracuse, N. Y.**
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
**Sipe Jas. B. & Co., 18 S 7th, Phila., Pa.**
Southwestern Paint & Varnish Co., Kansas City, Mo.
**Standard Paint Co. ("P. & B."), 233 B'way, New York**
Standard Varnish Works, 90 West, New York.
**Sterling Varnish Co., Fulton bldg, Pittsburgh, Pa.**
**Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.**
**Toch Bros. ("R. I. W."), 320 5th av, New York**
**U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.**
Wadsworth-Howland & Co., 141 Federal, Boston, Mass.

## 10554-5—Paints (Iron Oxide)

**Allentown Mfg. Co., Allentown, Pa.**
**Antox Paint Co., Indianapolis, Ind.**
**Arlington Mfg. Co., Canton, O.**
**Armstrong Paint & Varnish Works ("Iron-ox"), 2502 S Paulina, Chicago, Ill.**
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
**BINSWANGER B. & CO.** ("Sanaloid"), 329 N 3d, Phila., Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
**Chilton Paint Co., College Point, L. I., N. Y.**
Clinton Metalic Paint Co., Clinton, N. Y.
**Devoe & Raynolds Co., Inc., 101 Fulton,** New York *See adv index at end of book*
**Duristo Paint Co. ("Duristo"), Newport News, Va.**
**Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.**
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
**French Saml. H. & Co., 4th & Callowhill, Phila., Pa.**
Goheen Corp., 25 W 43rd, New York
**Hammond Process Co. ("Ferox"), Norwich, Conn.**
**Hanna Paint Mfg. Co., Columbus, O.**
**Jamestown Paint & Varn. Co., Jamestown, Pa.**
**Jenkins Paint & Oil Co., Norfolk, Va.**
**Kay & Ess Co., Dayton, O.**
**Lawrence W. W. & Co. ("Fort Pitt" Red), W Carson, Pittsburgh, Pa.**
**Lookout Paint Mfg. Co., Chattanooga, Tenn.**
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila., Pa.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
**Nice Eugene E., 272 S 2d, Phila., Pa.**
**Patton Paint Co., Milwaukee, Wis.**
**Riesenman Mfg. Co. (Ltd.), Franklin, Pa.**
**Rossie Iron Ore Paint Co. ("Rossie" Red Oxide Ore), Ogdensburg, N. Y.**
**St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.**
Shaffer Color & Varnish Corp., Hoboken, N. J.
**Sherwin-Williams Co., Cleveland, O.**
**Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.**
**Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.**
Trus-Con Laboratories, Caniff & Grant R. R., Detroit, Mich
**U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.**
**Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.**
**Wilhelm A. Co., Reading, Pa.**
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## Paints (Iron Resisting)

**See Paints, Rust Proof**

## 10556—Paints (Locomotive)

**See also Paints for Coating & Preserving Iron & Steel**

California Paint Co., Oakland, Cal.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Goheen Corp., 25 W 43rd, New York
Patton Paint Co., Milwaukee, Wis.

## 10557—Paints (Machinery)

**See also Paints for Coating & Preserving Iron & Steel**

**BINSWANGER B. & CO.**, 329 N 3d, Phila., Pa.

PAINTS (MACHINERY)

Cheesman-Elliott Co., 23 Flatbush av, Brooklyn, N. Y.
Continental Products Co., Quebec av, Cleveland, O.
Patton Paint Co., Milwaukee, Wis.
**Pecora Paint Co., 4th & Sedgley av, Phila., Pa.**
**WOOLSEY C. A. PAINT & COLOR CO.,** 490 Grand, Jersey City, N. J.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York

## 10558-9-60—Paints (Marine)

**See also Paints, Copper**

**Allentown Mfg. Co., Allentown, Pa.**
Amalgamated Paint Co. ("Amalco," "Amalgamated," House & Structural), Pier 11, North River, New York
**American Bitumastic Enamels Co. ("Hermastic"), 17 Battery pl, New York**
**Antakwa Co., 133 W Washington, Chicago, Ill.**
Arco Co., Euclid av & E 65th, Cleveland, Ohio
Arlington Mfg. Co., Canton, Ohio
**Aspinwall Geo. H. (Inc.), Corneilson, Jersey City, N. J.**
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
**BINSWANGER B. & CO.,** 329 N 3d, Phila., Pa.
**Bitu-Mo-Lin Products Co., Seattle, Wash.**
Bledell Composition Co., 818 Mission, San Francisco, Cal.
**Bredell's Composition Co., 521 Washington, New York**
**Bridgeport Bronze Marine Paint Co., Bridgeport, Conn.**
**Buffalo Oil, Paint & Varnish Co., Buffalo, N. Y.**
California Paint Co., Oakland, Cal.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
**Chicago Varnish Co. ("Supreme" Bottom), 2100 Elston av, Chicago, Ill.**
**Chilton Paint Co., College Point, L. I., N. Y.**
**Connors Wm. Paint Mfg. Co., Troy, N. Y.**
Continental Products Co., Quebec av, Cleveland, O.
Crockett D. B. Co., Bridgeport, Conn.
**Devoe & Raynolds Co., Inc., 101 Fulton,** New York *See adv index at end of book*
**Duristo Paint Co. ("Duristo"), Newport** News, Va.
Federal Composition & Paint Co., Ltd., 17 Battery pl, New York
**Forest City Paint & Varnish Co., 3334** Lakeside av, Cleveland, O.
**French Saml. H. & Co., 4th & Callowhill,** Phila., Pa.
**Gardiner Paint Co. ("Am McInnes"), 258** B'way, New York
Glidden Co., Madison av & Berea rd, Cleveland, O.
**Hammond Process Co. ("Ferox" "Iron** Oxide"), Norwich, Conn.
**Hardy Paint & Varnish Co. ("Great** Lakes"), Toledo. O.
**Holzapfel's Am. Compositions Co., 18** B'way, New York
**International Compositions Co., 18 B'way,** New York
**Jenkins Paint & Oil Co. (Merrimac), Norfolk, Va.**
**Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.**
**Lowe Bros. Co., Dayton, O.**
**Mamolith Carbon Paint Co., 2d & Main,** Cincinnati, O.
**Masury Jno. W. & Son, 50 Jay, Brooklyn, N. Y.**
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
**Nansen Composition & Paint Co., 44 Pearl,** New York
**Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.**
Nice Eugene S., 272 S 2d, Phila, Pa.
Paraffine Companies, Inc., The ("Pabco" Marine Paints), 34 1st, San Francisco, Cal. *See adv index at end of book*
Patterson-Sargent Co., 1325 E 38th, Cleveland. O.
**Patton Paint Co., Milwaukee, Wis.**
Postal Paint & Color Co., 9420 Meech av, Cleveland, O.
**Protectus Paint Co., N American bldg,** Phila., Pa.
Protexol Corp., 41 Barclay, New York
**Red Hand Compositions Co., Inc. ("Red** Hand"), 1 B'way, New York
**Reliance Paint Co., 357 Bond, Brooklyn, N. Y.**
**Riesenman Mfg. Co. (Ltd.), Franklin, Pa.**
**Rinald Bros., 1142 N Hancock, Phila., Pa.**
**St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.**
Shaffer Color & Varnish Corp., Hoboken, N. J.
**Sonneborn L. Sons ("Amalie"), 262 Pearl,** New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
**Standard Ultramarine Co., Huntington, W.** Va.
**Standard Varnish Works, 90 West, New** York
**THOMSON WOOD FINISHING CO.,** 329 N 3d, Phila., Pa.
*See adv index at end of book*
**Toch Bros. ("R. I. W." & "Plastic Tockolith"), 320 5th av, New York**
**United States Graphite Co., Saginaw, Mich.**
**U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.**
**Wadsworth, Howland & Co., 141 Federal,** Boston, Mass.
**Warren Paint Co., Warren, O.**
**Warren Refining & Chemical Co., 9420** Meech av, Cleveand, O.
Williams, William E. ("Websters"), 62 Front, New York
**Winn Wm. R. (Spar, etc), 488 Cherry,** New York
**WOOLSEY C. A. PAINT & COLOR CO.,** 490 Grand, Jersey City, N. J.

## Paints (Metal Protecting)

**See Paints for Coating & Preserving Iron & Steel; also Paints, Iron Oxide; also Paints, Graphite**

## 10561—Paints (Mill White)

**BINSWANGER B. & CO.,** 329 N 3d, Phila., Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Continental Products Co., Quebec av, Cleveland, O.
**Detroit Graphite Co. ("Sta-White"), 10** 12th, Detroit, Mich.
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.
**Nice Eugene E., 272 S 2d, Phila., Pa.**
Oxidite Mfg. Co., Arlington, Mass.
**Pecora Paint Co., 4th & Sedgley av, Phila., Pa.**
Shaffer Color & Varnish Corp., Hoboken, N. J.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
**THOMSON WOOD FINISHING CO.,** 329 **N Third, Phila., Pa.**
*See adv index at end of book*


**MILL FLAT AND MILL CLOSS WHITE**

Stays white—covers wonderfully — washable. Brightens your workshop, making it more cheerful.

**THOMSON WOOD FINISHING CO.**

329-335 N. 3rd St., Phila., Pa.

*Sole Mfrs. of "Porcelite"*


Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10561a— Paints (Mineral)

Adams & Elting Co., 726 Washington blvd, Chicago, Ill.
Alston Lucas Paint Co., 1029 Currier, Chicago, Ill.
Atlas Paint Co., 101 Park av, New York
Briggs John & Co., 45 Purchase, Boston, Mass.
Cambria Paint & Color Co., Johnstown, Pa.
Certain-Teed Products Corp., St. Louis, Mo.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Erwin Henry & Sons, Bethlehem, Pa.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Hampden Paint & Chemical Co., Springfield, Mass.
Iowa Paint Mfg. Co., Fort Dodge, Ia.
Lookout Paint Mfg. Co., Chattanoga, Tenn.
Macneal Jas. B. & Co., Warner and Wooster, Baltimore, Md.
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.
National Roofing Co., Tonawanda, New York
Ricketson Mineral Paint Works, South Bay, Milwaukee, Wis.
Robinson Paint Co., Aurora, Ill.
Rossie Iron Ore Paint Co., Ogdensburg, N. Y.
St. Louis Surface & Paint Co., Arlington & Terminal Belt Line, St. Louis, Mo.
Semet-Solvay Co., Syracuse, N. Y.
Westmoreland Chemical & Color Co., S E cor 22nd & Westmoreland sts, Phila., Pa.
Wilbur J. Co., Providence, R. I.

## 10562—Paints (Mixed for Export)

Adams & Elting Co., 726 Washington blvd, Chicago, Ill.
Antox Paint Co., Indianapolis, Ind.
Arco Co., Euclid av & E 65th, Cleveland, O
**Arlington Mfg. Co., Canton, O.**
**Briggs John & Co., 45 Purchase, Boston, Mass.**
California Paint Co., Oakland, Cal.
Carrara Paint Co., Barberton, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
**Detroit Refining Co., Majestic bldg, Detroit, Mich.**
**Devoe & Raynolds Co., Inc., 101 Fulton,** New York *See adv index at end of book*
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
**French Samuel H. & Co., 4th & Callowhill, Phila., Pa.**
**King Paint Mfg. Co., 449 Kent av, Brooklyn, N. Y.**
**Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.**
Martin-Senour Paint Co., 2520 Quarry, Ill.
**Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.**
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Rinald Bros., 1142 N Hancock, Phila., Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
**Sherwin-Williams Co., Cleveland, O.**
**Wadsworth, Howland & Co., 141 Federal,** Boston, Mass.
**WOOLSEY C. A. PAINT & COLOR CO.** ("Peerless"), 490 Grand, Jersey City, N. J.

## 10563— Paints (Oil)

Arlington Mfg. Co., Canton, O.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
**BINSWANGER B. & CO.,** 329 N. Third, Phila., Pa.
California Paint Co., Oakland, Cal.
Brooklyn, N. Y.
Chicago White Lead & Oil Co., 1454 S Western av, Chicago, Ill.
**Devoe & Raynolds Co., 101 Fulton, New** York
**Duristo Paint Co. ("Duristo"), Newport** News, Va.
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
French Samuel H. & Co., 4th & Callowhill. Phila., Pa.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
**IMPERVIOUS VARNISH CO.,** 421 Wood, Pittsburgh, Pa.
Lawrence W. W. & Co., W Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co. ("Lincoln Climatic"), Lincoln, Neb.
**Moore Benj. & Co. ("Sani-Flat" Oil), 231** Front, Brooklyn, N. Y.

Muralo Company, Rich. Ter., New Brighton, Borough of Richmond, New York
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patton Paint Co., Milwaukee, Wis.
Prince James H. Paint Co., 5 Lancaster, Boston, Mass.
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
Ulster Paint Works, Ellenville, N. Y.
Warren Paint Co., Warren, O.
Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.
West Coast Kalsomine Co. ("Wesco" Flat Oil), West Berkeley, Cal.

## 10563a— Paints (Oxide)

Cheesman-Eliot Co., 23 Flatbush av, Brooklyn, N. Y.
Elastic Compound Paint Co. ("Elastic Compound," Red), 5131 Kershaw, Philadelphia, Pa.
McNulty Jos. A., 135 William, New York
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.

## 10563b— *Paints (Preservative Wood)

Cheesman-Eliot Co., 23 Flatbush av, Brooklyn, N. Y.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York

## 10563c—Paints (Preserving)

Cheesman-Eliot Co., 23 Flatbush av, Brooklyn, N. Y.
Paraffine Companies, Inc., The ("Pabco" Preservative Paints), 34 1st, San Francisco, Cal.
*See adv index at end of book*
Protexol Corp., 41 Barclay, New York

## 10563d—Paints (Ready Mixed & Household)

Atlastic Paint Mfg. Co. ("Atlastic"), 1007 Marquette av, Minneapolis, Minn.
Cheesman-Elliott Co., 23 Flatbush av, Brooklyn, N. Y.
Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
Goheen Corp., 25 W 43rd, New York
Shaffer Color & Varnish Corp., Hoboken, N. J.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10564— Paints (Roofing)

Acme Asbestos Covering & Supply Co., 404 N Ada, Chicago, Ill.
*See adv index at end of book*
Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
Adams & Elting Co., 726 Washington blvd, Chicago, Ill.
Alcatraz Co., Inc. ("Blackat"), 3200 Williamsburg av, Richmond, Va.
Allen Anti-Rust Mfg. Co., Glenn bldg., Cincinnati, O.
American Cold Japan Co., Pittsburgh, Pa.
American Roofing Co., Kansas City, Mo.
Antakwa Co., 133 W Washington, Chicago, Ill.
Antox Paint Co., Indianapolis, Ind.
Arco Co., Euclid av & E 65th, Cleveland,
Arlington Mfg. Co., Canton, O.
Armstrong Paint & Varnish Works ("Negrite"), 2502 S Paulina, Chicago, Ill.
Asphalt Roofing Co. ("Wanigas"), Saginaw, Mich.
Baker Wm. T. ("Staona," "Metal Coat"), 224 Suydam av, Jersey City, N. J.
Barrett Co., 17 Battery pl, New York
Bayway Chemical Co. (Coal Tar Asphaltum), Elizabeth, N. J.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
BINSWANGER B. & CO., 329 N 3d, Phila., Pa
Bit-Mo-Lin Products Co., Inc., Seattle, Wash.
Black Diamond Mfg. Co., 1219 Bank, Cincinnati, O.
Blayz Paint & Varnish Co. ("Blayz"), Spencer, Toledo, Ohio
Boydell Bros. White Lead & Color Co., 40 E Lafayette, Detroit, Mich.
Bradford James Co., Wilmington, Del.
Buckeye Paint & Varnish Co., Toledo, O.
California Paint Co., Oakland, Cal.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp. ("Certain-teed"), St. Louis, Mo.
Chatfield Mfg. Co. (Asphalt), Carthage, Cincinnati, O.
Chattanooga Paint Co. (Ore), Chattanooga, Tenn.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Chilton Paint Co., College Point, L. I., N. Y.
Cleveland Iron Ore Paint Co., Cleveland, Ohio
Clinton Metallic Co., Clinton, N. Y.
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Colebrook's W. H. Sons ("Crown"), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Continental Paint & Mfg. Co. ("Rockalyte"), Cleveland, O.
Continental Products Co., Quebec av, Cleveland, O.
Cooledge F. J. & Sons, Atlanta, Ga.
Debevoise Company, 968 Grand av, Brooklyn, N. Y.
Delevan Mfg. Co., 65 Delevan, Brooklyn, N. Y.
Detroit Refining Co., Majestic bldg, Detroit, Mich.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Dixon Joseph Crucible Co., Jersey City, N. J.
Duristo Paint Co. ("Duristo"), Newport News, Va.
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa.
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"), Des Moines, Iowa
Elliot Varnish Co. ("Asbestos"), 1013 S Kolmar av, Chicago, Ill.
Eureka Chemical Co., 970 Grand av, Brooklyn, N. Y.
Farwell, Ozmun, Kirk & Co., St. Paul, Minn.
Federal Process Co. ("Herm-I-Seal"), Cleveland, O.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
French Saml. H. & Co., 4th & Callowhill, Phila., Pa.
Gibson-Homans Co., 2366 Woodhill rd, S E, Cleveland, O.
Goheen Corp., 25 W 43rd, New York
Great Lake Refining Co. ("Jet Black" Elastic), 5716 Euclid, Cleveland, O.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Hammond Asphalt Products Co., Hammond, Ind.
Hammond Process Co. ("Ferox" Iron Oxide), Norwich, Conn.
Hanna Paint Mfg. Co., Columbus, O.
Hascall Paint Co. ("Thermalite"), W 70th, Cleveland, O.
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Heppes-Nelson Roofing Co., 4500 Filmore, Chicago, Ill.
Hetzel J. G., Est. of, 67 Main ("Rub on Paint"), Newark, N. J.
Horn A. C. Co., Horn bldg, Long Island City, N. Y.
Howell Chas. H. & Co., 212 Race, Phila., Pa.
Hydro Damp-Proofing & Engng. Co., Pittsburgh, Pa.
Ilsley, Doubleday & Co., 229 Front, New York
Ironsides Co., Columbus, O.
Jones Paint Co. ("Roofceat" & "Liquid Stopleak"), Rome, N. Y.
Kay & Ess Co., Dayton, Ohio
Keystone Roofing Mfg. Co., York, Pa.
Klein Mfg. Co. ("Graphilatum"), American Trust bldg, Cleveland, O.
Knapp E. J. & Co., Belding, Mich.
Lawrence W. W. & Co. ("Lawrence" & "Duquesne"), W Carson, Pittsburgh, Pa.
Lehon Co., 4451 W. S., Oakley av, Chicago, Ill.
Lincoln Paint & Color Co. ("Paragon"), Lincoln, Neb.
Longman & Martinez, 54 Maiden la, New York
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila., Pa.
McHenry-Millhouse Mfg. Co. ("Climax," "Etna"), South Bend, Ind. & Fulton, N. Y.
Maire Paint Co. (Maire's Indestructible Roof Preserver), 329 Boston blk, Minneapolis, Minn.
Mamolith Carbon Paint Co., 2d & Main, Cincinnati, O.
Means & Thatcher ("Everlasting"), Norfolk Down, Quincy, Mass.
Miller & Graham, 21 S Gay, Baltimore, Md.
Minwax Co., 18 E 41st, New York
Monarch Paint Co. ("Hydro-Carbonite"), W 70th, Cleveland, O.
Moore, Benjamin & Co., 231 Front, Brooklyn, N. Y.
Moser Chas. Co., Cincinnati, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
National Paint & Varnish Co. ("National Tinners Red"), 8709 Kinsman rd, Cleveland, O.
National Roofing Co. ("N.R.C." Protective Paint), Tonawanda, N. Y.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
NICE EUGENE E., 272 S 2d, Phila., Pa.
Oertel Roofing Mfg. Co., E St. Louis, Mo.
Ohio Chemical Co., Findlay, O.
Ohmiac Mfg. Co., 140 S Dearborn, Chicago, Ill.
Otley Paint Mfg. Co. ("Eureka" & Mineral), 1742 N Winchester av, Chicago, Ill.
PARKER C. H. CO., Valparaiso, Ind.
*See adv index at end of book*
Patterson-Sargent Co., 1325 E 38th, Cleveland, O.
Patton Paint Co. (Asbestos), Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Postal Paint & Color Co., 9420 Meech av, Cleveland, O.
Prince Mfg. Co. (Double Label Mineral Brown), 165 B'way, New York
Protexol Corp., 41 Barclay, New York
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Reeder Jno. S. (Cold Japan), Hamilton, O.
Reeves Co. ("Lone Star"), 805 Howard av, New Orleans, La.
Richmond Bros. ("O. K.," "Apex"), 616 Main, Cincinnati, O.
Ricketson Mineral Paint Works (Iron Ore), South Bay, Milwaukee, Wis.
Riesenman Mfg. Co. (Ltd.), Franklin, Pa.
Rinald Bros., 1142 N Hancock, Phila., Pa.
Rossie Iron Ore Paint Co. ("Rossie" Iron Ore), Ogdensburg, N. Y.
Rubber Paint Co. (Rubber), cor Warner & Wooster, Baltimore, Md.
St. Louis Surfacer & Paint Co., Arlington & Terminal Belt Line, St. Louis, Mo.
St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.
Sall Mountain Co., 305 S La Salle, Chicago, Ill.
Sherwin-Williams Co., Cleveland, O.
Sinclair Refining Co. ("Four Bros." Black), Albany, N. Y.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Southwestern Paint & Varnish Co., Kansas City, Mo.
Standard Paint Co., 233 Broadway, New York
Star Lubricating Oil Co., 8714 B'way, Cleveland, O.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
Suydam M. R. Co., 61st & Butler, Pittsburgh, Pa.
Toch Bros. ("R. I. W."), 320 5th av, New York

PAINTS (ROOFING)—continued

**Tropical Paint & Oil Co. ("Elastikote" & "Tropical Rubber"),** W 70th, Cleveland, O.
Trus-Con Laboratories, Caniff & Grant R. R., Detroit, Mich.
**Ullmann-Philpott Co., 4805 Lexington,** Cleveland, O.
**United States Graphite Co., Saginaw,** Mich.
**U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.**
**U. S. Refining Co. ("Everlasting Black").** 1291 W 11th, Cleveland, O.
**United Roofing & Mfg. Co. ("Congo," "Congoite"),** Morris bldg, Phila., Pa
**Usona Mfg. Co. (Asphalt), Aurora, Ill.**
Vulcanite Roofing Co. ("W. & P."), 16th & Texas, San Francisco, Cal.
Wadsworth, Howland & Co. ("Bay State," **Roof & Barn), 141 Federal, Boston.** Mass.
Wadsworth-Howland Co., 225 N Carpenter, Chicago, Ill.
**Walters Mfg. Co., Fulton bldg, Pittsburgh,** Pa.
Warren Chemical & Mfg. Co., 17 Battery pl, New York
**Warren Paint Co., Warren, O.**
**Warren Refining & Chemical Co., 9420 Meech av, Cleveland, O.**
Watson H. F. Co. (Asbestos), Erie, Pa.
Western Elaterite Roofing Co. ("Elaterite"), **Denver, Colo.**
Wilhelm A. Co., Reading, Pa.
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10565—*Paints (Rubber Tire)

Northwestern Chemical Co., Marietta, O.

## 10566—Paints (Rust Proof)

**Allen Anti-Rust Mfg. Co. (Smoke Stack, Tanks, etc), Glenn bldg, Cincinnati, O.**
American Bitumastic Enamels Co. ("Harmastic"), 17 Battery pl, New York
**American Chemical Paint Co. ("Deoxidine"), 1126 S 11th, Phila., Pa.**
**American Cold Japan Co., Pittsburgh, Pa.**
**Antakwa Co., 133 W Washington, Chicago, Ill.**
**Antox Paint Co., Indianapolis, Ind.**
Arco Co., Euclid av & E 65th, Cleveland,
Arlington Mfg. Co., Canton, O.
Barrett Co., 17 Battery pl, New York
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
**BINSWANGER B. & CO. (M. P. Coating),** 329 N 3d, Phila., Pa.
**California Paint Co., Oakland, Cal.**
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Chatfield Mfg. Co. ("Carbo" Black Enamel), Carthage, Cincinnati, O.
Cheesman-Elliot Co., 23 Flatbush, av, Brooklyn, N. Y.
**Chesapeake Oil Co., Ostend & Leadenhall,** Baltimore, Md.
**Detroit Graphite Co., 10 12th, Detroit,** Mich.
**Devoe & Raynolds Co., Inc., 101 Fulton,** New York *See adv index at end of book*
**Dielectric Mfg. Co. ("W. D. Paint"), 224** S Vandeventer av, St. Louis, Mo.
**Dixon Joseph Crucible Co., Jersey City,** N. J.
**Durabla Mfg. Co. ("Cosmos"), 114 Liberty** New York
**Duristo Paint Co. ("Duristo"), Newport** News, Va.
**Elaterite Paint & Mfg. Co. ("Des Moines Elaterite"),** Des Moines, Ia.
**Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveand, O.**
Fort Pitt Oil & Paint Co., 3206 Penn av, **Pittsburgh, Pa.**
**French Sam'l H. & Co., 4th & Callowhill,** Phila., Pa.
**Gardiner Paint Co., 258 B'way, New York**
Gelien & Co., 120 Liberty, New York
**Glidden Co., Madison av & Berea rd, Cleveland, O.**
**Great Lakes Refining Co. ("Jet Black"),** 5716 Euclid, Cleveland, O.
**Hascall Paint Co., W 70th, Cleveland, O.**
**Hetzel J. G., Est. of, 67 Main, Newark,** N. J.
Hydro Damp-Proofing & Engineering Co., Pittsburgh, Pa.
**Jones Paint Co., Rome, N. Y.**
**Lino Paint Co., 16908 Waterloo rd, Cleveland, O.**
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila., Pa.
**Monarch Paint Co., W 70th, Cleveland, O.**
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nevin T. H. Co., **Island & Preble, Pittsburgh,** Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Patton Paint Co., Milwaukee, Wis.
Prince Mfg. Co. (Double Label Mineral Brown), 165 B'way, New York
Rinald Bros. ("Bessemer"), 1142 N Hancock, Philadelphia, Pa.
Sherwin-Williams Co., Cleveland, O.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
**Standard Varnish Works, 90 West, New** York
United States Graphite Co., Saginaw, Mich.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
Wadsworth, Howland & Co., 141 Federal, Boston, Mass.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.

## 10567-8-9—Paints (Sheep)

Lincoln Paint & Color Co. ("Lincoln"), Lincoln, Neb.
St. Paul White Lead & Oil Co. ("Lion" for **Sheep Branding), Water & Starkey,** St. Paul, Minn.

## Paints (Shingle)

See Shingle Stains

## Paints (Smokestack)

See Paints for Coating & Preserving Iron & Steel, also Fire Resisting; also Rust Proof

## 10570—Paints (Steam-Proof)

Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, Ohio
Barrett Co., 17 Battery pl, New York
Blenio Products Corp. ("Blenio Process"), 220 Fifth av, New York
Buckeye Paint & Varnish Co., Toledo, O.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
**Devoe & Raynolds Co., Inc., 101 Fulton,** New York *See adv index at end of book*
**Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.**
French Samuel H. & Co., 4th & Callowhill, Philadelphia, Pa.
**Jones Paint Co., Rome, N. Y.**
Lowe Bros. Co., Dayton, O.
Lucas John & Co., 322 Race, Phila, Pa.
Minwax Co. ("Minwax"), 18 E 41st, New York
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Patton Paint Co., Milwaukee, Wis.
**Pyramid Paint Co. ("Kant-Korod"), 183** N 22d, Phila., Pa.
**Riesenman Mfg. Co. (Ltd.), Franklin, Pa.**
Rinald Bros., **1142 N Hancock, Philadelphia,** Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
**Sonneborn L. Sons ("Amalie"), 262 Pearl,** New York
Southwestern Paint & Varnish Co., Kansas City, Mo.
**Star Lubricating Oil Co., 8714 B'way,** Cleveland, O.
Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.
**Tech Bros. ("R. I. W."), 320 5th av,** New York
Trus-Con Laboratories, Caniff & Grant R. R., Detroit, Mich.
United States Graphite Co., Saginaw, Mich.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.
Zibell Damp Resisting Paint Co., 191 Culver av, Jersey City, N. J.

## 10571a—Paints (Technical)

American Wood Preserving Co., 1351 N Branch, Chicago, Ill.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Corol Co., 127 N Dearborn, Chicago, Ill
**Debevoise Co., 963 Grand av, B'klyn, N. Y.**
Du Pont Chemical Works, Wilmington, Del.
Goheen Corp., 25 W 43d, New York
Lowe Bros. Co., Dayton, O.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Paint Co., 233 B'way, New York
Toch Bros., 320 5th av, New York
Trus-Con Laboratories, Detroit, Mich.

## 10572—Paints (Teredo-Proof)

See also Wood Preservatives

Protexal Corp., 41 Barclay, New York
Woolsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 10573—*Paints (Trolley Pole)

See also Paints for Coating & Preserving Iron & Steel

**BINSWANGER B. & CO.,** 329 N Third, Phila., Pa.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.

## 10573a—*Paints (Water-Color—Toy & School)

Japanese Water Color, Co. (Transparent), 31 Exchange, Rochester, N. Y.
Johnston, J. W. ("Snow White", Marking Fluid), New Arts bldg, Rochester, N. Y.

## 10573b—Paints (Wood Preserving)

Cabot Samuel, Inc., 141 Milk, Boston, Mass.
Cheesman-Elliot Co., 23 Flatbush av, Brooklyn, N. Y.
Du Pont Chemical Works, Wilmington, Del.
**PROTEXOL CORPORATION,** formerly Carbolineum Wood Preserving Co., 41 Barclay, New York
Semet-Solvay Co., Syracuse, N. Y.
Standard Paint Co., 233 B'way, New York
Toch Bros. 320 5th av, New York

## 10574— Palettes

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***
Stirrup Manfg. Co., Inc. ("Eclipse," "Ideal," "Duplex," "Gold" for China Painters), Market st, Newark, N. J.

## 10575— Palladium

**FOOTE MINERAL CO.,** 107 N 19th, Phila., Pa.

## 10576— Pallets (Brick)

**American Pulley Co., 114 S Clinton, Chicago, Ill.**
**Fouts C. C. Co., 650 Woodlawn av, Middletown, O.**
**Mershon Eddy Parker Co. (Wood), Saginaw, Mich.**
**Ohio Galvanizing & Mfg. Co. (Steel), Niles, O.**
Union Spring & Mfg. Co. (Pressed Steel), New Kensington, Pa.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*

## 10577— Pallets (Lettering)

**Hickok W. O. Mfg. Co., Harrisburg, Pa.**

## 10578— Palms (Sailors')

**Montauk Leather Specialty Co., 149 N 1st,** Brooklyn, N. Y.
**Stevens Walter B. & Son, 107 Chambers,** New York
**Union Hardware Co., Torrington, Conn.**

## Panel Boards

See Switchboards, Light & Power

## 10578a— *Panels (Furniture)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

## 10579— Panels (Protective)

**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*

## 10580— Panels (Rheostat)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

## 10580a—*Panels (Stove Door)

Corning Glass Works, Corning, N. Y.
Ingram-Richardson Mfg. Co. (Oven & Broiler Doors, for Gas Ranges), Beaver Falls, Pa.
*See adv index at end of book*

## 10581— Panels (Veneer)

Algoma Panel Co., Algoma, Wis.
Carrom Co. (Plywood), Ludington, Mich.
Conway Veneeered Door & Mantel Co., 2019 St. Paul, Milwaukee, Wis.
Crandall Panel Co., Brockton, N. Y.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Flora American Plywood Co., Ltd. (Plywood), 165 B'way, New York
Jamestown Panel Co., Jamestown, N. Y.
Keyes Products Co. ("Nevaslip" Headlinings, Wainscoting, Sheathing, Freight Car Roofs, etc), 120 B'way, New York
Morgan Co. (Built Up), Oshkosh, Wis.
Portland Mfg. Co., ft Richmond, Portland, Ore
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Strable Mfg. Co., 537 1st, Oakland, Cal.

## 10582— Pans (Acid)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Moore Samuel L. & Sons, Elizabeth, N. J.

## Pans (Amalgamating)

See Amalgamating Pans & Barrels

## 10583— Pans (Annealing)

Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Columbiana Boiler Co., Columbiana, Ohio
**DOVER BOILER WORKS**, Sales Office: 40 Church, New York. Works, Dover, N. J. *See adv index at end of book*
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, O.
**OHIO MFG. CO.**, P. O. Box 136, Painesville, O. *See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Philadelphia Roll & Machine Co. (Steel), 25th & Washington av, Phila., Pa.

## 10584—Pans (Automobile Dust)

Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
Mullins Body Corp., 341 Franklin, Salem, Ohio
Pettis W. W. Co., 416-417 First Nat'l. Bank bldg, Cincinnati, Ohio
*See adv index at end of book*

## 10585— Pans (Bed, Rubber)

Parker-Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Tyer Rubber Co. ("Tyrian"), Andover, Mass.

## 10586-7— Pans (Bread)

Central Stamping Co. ("Puritan"), 172 Fulton, New York
Gem Stamped Steel Co. (Deep Drop Side) Chelsea, Mass.
Katzinger Edward Co. (Sanitary Strapped), 122 N Peoria, Chicago, Ill.
Lalance & Grosjean Mfg. Co. (Enameled Iron, Tin, etc), 299 B'way, New York
Maag August Co., 509 W Lombard, Baltimore, Md.
National Enameling & Stamping Co., 411 5th av, New York

## 10588— Pans (Cast Iron)

Devine J. P. Co., Buffalo, N. Y.
United States Cast Iron Pipe & Foundry Co., Burlington, N. J.
Wagner Mfg. Co. ("Wagner Ware"), Sidney, Ohio

## 10589— Pans (Cement)

Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Heltzel Steel Form & Iron Co., Warren, O.
Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.

## 10590— Pans (Chemical)

American Welding Co. (Crystallizing, etc), Carbondale, Pa.
Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Duriron Castings Co. ("Duriron" Acid Proof), Dayton, O.
Fabricated Steel Products Corp., Box 505, Leetonia, O.
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
McCabe Boiler Works, 195 Commerce, Newark, N. J.
Manitowoc Engineering Works, Manitowoc, Wis.
Marshall Foundry Co. 28th & R. R., Pittsburgh, Pa.
**VITREOUS ENAMELING CHEMICAL CO.** (Vitreous Enameled), Cleveland, O.
*See adv index at end of book*

## 10591— Pans (Clean-Up)

**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 Broadway, New York
*See adv index at end of book*

## 10591a—Pans (Concentrating)

Buffalo Foundry & Machine Co. (Sulphuric Acid), 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Thermal Syndicate Ltd. (Fused Silica), 59 E 41st, New York

## 10591b— *Pans (Copper)

**ATLAS COPPER & BRASS MFG. CO.**, 2734 High, Chicago, Ill.
*See adv index at end of book*
**GERDES & CO.**, 42 Church, New York
*See adv index at end of book*

## 10591c—Pans (Crystallizing)

Beckley Perforating Co., Garwood, N. J.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Dover Boiler Works, 50 Church, New York
*See adv index at end of book*
General Ceramics Co. 50 Church, New York
Knight Maurice A., Akron, O.
Pfaudler Co. (Glass Enameled), Cutler bldg, Rochester, N. Y
Scientific Utilities Co., 18 E 16th, New York
Struthers-Wells Co. Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Valley Iron Works, 81 E Water, St. Paul Minn. & Williamsport, Pa.

## 10592— Pans (Drip)

Aldrich Mfg. Co. (Copper), Buffalo, N. Y.
Allsteelequip Co., Aurora, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Central Stamping Co., 174 Fulton, New York
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Graver Corp. (Jacketed Steam, Salt), East Chicago, Ind.
*See adv index at end of book*
Hall Mfg. Co., Harrison, N. J.
Hayes Mfg. Co., 480 Mayberry, Detroit, Mich.
Hibbs E. A., Bread & Quarry, Phila., Pa.
Ingram-Richardson Mfg. Co. (Dust or Scavenger, Enameled for Gas Range), Beaver Falls, Pa.
*See adv index at end of book*
King Stove & Range Co., Sheffield, Ala.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
National Enameling & Stamping Co., 411 5th av, New York
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Ray Geo. A. Mfg. Co., Buffalo, N. Y.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Sexton Can Co. ("Sexton's" Auto Safety), 123 Broad, Boston, Mass.
Tippett & Wood, Phillipsburg, N. J.
U. S. Stamping Co., Moundsville, W. Va.
Vitreous Enameling Co. (Vitreous Enameled), Grant av, Cleveland, O.
*See adv index at end of book*
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.
**YOUNGSTOWN PRESSED STEEL CO.** (Automobile Oil), Warren, O.

## 10593-4—Pans (Drip, Automobile)

Cleveland Wire Spring Co., 1281 E 38th, Cleveland O.
Gem Stamped Steel Co. (Galvanized), Chelsea, Mass.
Heltzel Steel Form & Iron Co., Warren, O.
Kirk & Blum Mfg. Co. (Sheet Steel), 2850 Spring Grove av, Cincinnati, O.
Pettis W. W. Co., 416-417 First Nat. Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*
Sayre Stamping Co. (Aluminum), Sayre, Pa.

## 10595— Pans (Dry)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Clay Machinery Co. (Clay Grinding), S Walnut, Bucyrus, O.
*See adv index at end of book*
Anderson Foundry & Machine Works, Anderson, Ind.
Bonnot Co., Canton, Ohio
Chambers Bros. Co., 52d, below Lancaster av, Phila., Pa.
Chisholm, Boyd & White Co. ("Boyd"), 57th & Wallace, Chicago, Ill.
Clearfield Machine Shops, Clearfield, Pa.
Eagle Iron Works ("Eagle"), Des Moines, Ia.
Erie Forge Co. (Shafts), Erie, Pa.
Fate-Root-Heath Co., Plymouth, O.
Fernholtz Brick Machinery Co. ("Eagle"), Boyle & Vandevent av, St. Louis, Mo.
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Frost Mfg. Co., Galesburg, Ill.
International Clay Machy. Co., Dayton, O.
Jackson & Church Co., Saginaw, Mich.
Patterson Foundry & Mach. Co., East
Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.
Phillips & McLaren, 24th & Smallman, Pittsburgh, Pa.
Stevenson Co., Wellsville, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Taplin-Rice-Clerkin Co., Akron, O.
United Iron Works, Inc. Kansas City, Mo.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 10595a— Pans (Drying)

Treadwell Construction Co. Midland, Pa.
Vitreous Enameling Co. (Vitreous Enameled), Grant av, Cleveland, O.
*See adv index at end of book*

## 10596— Pans (Dust)

**AMERICAN CAN CO.**, 120 Broadway, New York *See adv index at end of book*
Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
Brown Stamping Co., Toledo, O.
Central Stamping Co. (Steel Edge), 174 Fulton, New York
Delphos Mfg. Co. ("Delphos" Long Handle), 1st & Pierce, Delphos, O.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Eclipse Company, North Girard, Pa.
Foster Sheet Metal Co., Springfield, Ill.

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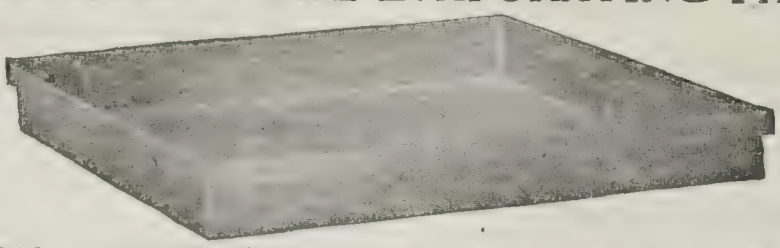

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PANS (DUST)—continued

Fries Geo. Sons, 222 S Front, Phila., Pa.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Knapp Mfg. Co., 48 Warren, New York
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York
Sloan Novelty Mfg. Co. (Long Handle), S W cor 20th & Wyandotte, Kansas City, Mo.
Utility Mfg. Co., Sturgis, Mich.

## 10597— Pans (Evaporating)

See also Evaporators; also Stoneware, Chemical

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Bethlehem Foundry & Machine Co. (Cast Iron), South Bethlehem, Pa.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Camden Copper Wks., Inc., 599 S 2nd, Camden, N. J.
Diller, Caskey & Keen (For Greenhouses), 6th & Berks, Phila, Pa.
Duriron Castings Co. ("Duriron," Acid Proof), 90 West, New York
Durqiron Castings Co. ("Duriron" Acid Proof), Dayton, O.
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Griswold Mfg. Co. ("Griswold" Cast Iron & Aluminum), Erie, Pa.
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Knight Maurice A. (Acid Proof), Akron, Ohio
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Southern Plow Co. ("Cook's"), Columbus, Ga.
Stuart & Peterson Co., Burlington, N. J.
**TOWNSEND FOUNDRY & MACHINE SHOP CO.** (Cast Iron, for Chemical Mfrs., etc), Broadway & Rensselaer, Albany, N. Y.
*See adv index at end of book*
Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*
Vitreous Enameling Co. (Vitreous Enameled), Grant av, Cleveland, O.
*See adv index at end of book*

## 10597a—Pans (Foundry Grinding)

**AMERICAN CLAY MACHINERY CO.**, S Walnut, Bucyrus, Ohio
*See adv index at end of book*

Foundry Grinding Pans
Rapid, Economical, Durable
Cheap
The American Clay Machinery Co.
Bucyrus, O., U. S. A.

## 10598— Pans (Fry)

Aluminum Ware Mfg. Co., Inc. (All kinds Paris Padding, etc), Elmira, N. Y.

**AMERICAN GAS MACHINE CO., INC.**, (Folding Handles), 78 Reade, New York
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Cassady Fairbank Mfg. Co. (Double Folding, Aluminum or Steel), 6126 S La Salle, Chicago, Ill.
Central Stamping Co. ("Sterling" Enameled Ware, etc.), 174 Fulton, New York
Griswold Mfg. Co. ("Griswold," Aluminum), Erie, Pa.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co. ("Nesco"), 411 5th av, New York
New England Enameling Co. ("Wont-Burn" Enameled Steel), Middletown, Conn.
New York Stamping Co. ("Acme," "Empire," "Brooklyn" Steel, Cold Handle), N 11th & Berry, Brooklyn, N. Y.
Northwestern Stamping Co. ("Hudson's," Double), Burlington, Ia.
Porcelain Enameling Ass'n of America ("Polar Brand." Enameled), Sheboygan, Wis.
*See adv index at end of book*
Ray Geo. A. Mfg. Co. (Heavy Copper, etc), Buffalo, N. Y.
Republic Metalware Co. (The), Buffalo, N. Y.
Royal Mfg. Co. ("Royal Corfe"), 406 Commerce, Phila., Pa.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Strong Mfg. Co., Sebring, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 10599-600—Pans (Galvanizing)

Treadwell Construction Co., Midland, Pa.

## 10601— Pans (Gem)

Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.
Wagner Mfg. Co. ("Wagner Ware" Cast Aluminum & Cast Iron), Sidney, Ohio

## 10602— Pans (Gravel)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Heltzel Steel Form & Iron Co., Warren, O.
Hibbs E. A., Bread & Quarry, Phila., Pa.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## Pans (Grinding)

See Pans, Dry; also Pans, Wet

## 10603— Pans (Lathe)

See also Pans, Drip

Allsteelequip Co., Aurora, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Clark W. J. Co., Salem, O.
Cleveland Wire Spring Co. (Sheet Steel), 1281 E 38th, Cleveland, O.
Fabricated Steel Products Corp., Box 505 Leetonia, O. *See adv index at end of book*
Hydraulic Pressed Steel Co. (Pressed Steel), 3152 E. 61st, Cleveland, O.
Kilburne & Jacobs Mfg. Co. (Welded Corners), Columbus, O.
*See adv index at end of book*
**Kraft A. C., 323 W Lake, Chicago, Ill.**
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
**OHIO MFG. CO.** (Steel), P. O. Box 136, Painesville, O.
*See adv index at end of book*

## 10604— Pans (Lead)

Blaw-Knox, Freeport rd, Hoboken,, Pa.
Heggie James G. & Sons (Pressed Steel), Joliet, Ill.
Philadelphia Roll & Machine Co. (Annealing), 25th & Washington av, Phila., Pa.
Vaughn Machinery Co. (& Spelter Wire Galvanizing, Tinning & Annealing), Cuyahoga Falls, O.

## 10604a— Pans (Mixing)

Aufrichtig, Alois, Copper & Sheet Iron Wks., 900 S 3rd, St. Louis, Mo.
Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Stevenson & Co., Wellsville, O.
Townsend Foundry & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*

## 10604b— *Pans (Platinum)

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & C. Platinum Works, Malvern, Pa.

## 10605— Pans (Refrigerator)

Atlantic Stamping Co. ("Atlantic" Galvanized Iron), 156-180 Ames, Rochester, N. Y.
Central Stamping Co. ("Puritan"), 174 Fulton, New York
Gem Stamped Steel Co., Chelsea, Mass.
Kraft A. C., 323 W Lake, Chicago, Ill.
National Refrigerators Co., 827 Kolen av, St. Louis, Mo.
Peoria Can Co., Peoria, Ill.
Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 10606—Pans (Roasting & Baking)

Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 10607— Pans (Salt)

Bethlehem Fdry. & Machine Co., South Bethlehem, Pa.
Rapid Evaporating Co., Detroit, Mich.

## 10608— Pans (Shop)

Allsteelequip Co., Aurora, Ill.
American Bridge Co., 30 Church, New York
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Clark W. J. Co. (Steel), Salem, O.
Cleveland Wire Spring Co. (Sheet Steel), 1281 E 38th, Cleveland, O.
Connecticut Blower Co., Inc., 138 Sheldon, Hartford, Conn.
Heltzel Steel Form & Iron Co., Warren, O.
Kilbourne & Jacobs Mfg. Co. (Pressed Steel), Columbus, O.
*See adv index at end of book*
Koenig Edward L. (Steel), 136 West Lake, Chicago, Ill. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
**OHIO MFG. CO.**, P. O. Box 136, Painesville, O. *See adv index at end of book*
Wilson Andrew Co., 616 Essex, Lawrence, Mass. *See adv index at end of book*

## 10608a—Pans (Steam Jacketed)

Badger E. B. & Sons Co., 75A Pitts, Boston, Mass. *See adv index at end of book*
Bethlehem Foundry & Machine Co., Bethlehem, Pa.

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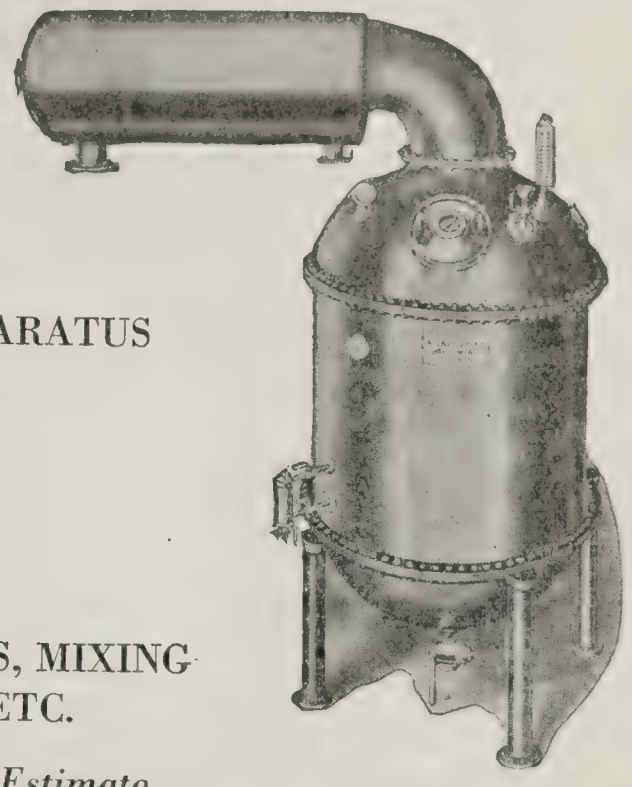

Vacuum Pan


Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
Scott Ernest & Co. ("Scott'), Fall River, Mass.
Stevens Bros., 85 Liberty, New York
Townsend Foundry & Machine Shop Co., Albany, N. Y.
*See adv index at end of book*

## 10609—Pans (Steam Revolving)

Holmberg Chas. & Co., 1439 Austin av, Chicago, Ill.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

## 10609a— *Pans (Steel Mortar)

Heltzel Steel Form & Iron Co., Warren, O.
**JACKSON MFG. CO.**, Harrisburg, Pa.
*See adv index at end of book*

## 10609b— *Pans (Subliming)

Roos Chas. A., 429 E 91st, New York

## 10610—Pans (Sugar Coating)

Colton Arthur Co. (Revolving), 782 E Jefferson, Detroit, Mich.

## 10611—Pans (Sugar Cooling)

Blymer Iron Works Co., Cincinnati, O.
Kilbourne & Jacobs Mfg. Co. (For Refiners), Columbus, O.
*See adv index at end of book*
Von Pheel, Gilbert Co., Hibernia Bank bldg, New Orleans, La.

## 10612— Pans (Sweating)

**Hammond Iron Works, Warren, Pa.**
*See adv index at end of book*

## 10613—*Pans (Taper, Steel)

**OHIO MFG. CO.**, P. O. Box 136, Painesville, O. *See adv index at end of book*

## 10614— Pans (Vacuum)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Copper & Brass Works, Cincinnati, O.
**ATLAS COPPER & BRASS MFG. CO.**, 2734 High, Chicago, Ill.
*See adv index at end of book*
**BADGER E. B. & SONS CO.**, 75 Pitts, Boston, Mass.
*See adv index at end of book*
Baeuerle & Morris (For the Evaporation of Grain or Paste, etc), 932 N Front, Phila., Pa.
Bartlett-Hayward Co., Scott & McHenry, Baltimore, Md.
Birmingham Machine & Foundry Co., Birmingham, Ala.
Blymyer Iron Works Co., Cincinnati, O.
Boston Copper Works Co., E Boston, Mass.
Brecht Co. (Steam Jacketed), 1201 Cass av, St. Louis, Mo.
Bucyrus Copper Kettle Works (Copper), Bucyrus, O.
Coldwell-Wilcox Co., Newburgh, N. Y.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Dopp H. W Co., Buffalo, N. Y.
Dyer Co., 2031 Euclid av, Cleveland, O.
Elyria Enameled Products Co. (Glass Enameled), Eyria, O.
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*
Flynn W. S., 76 Hudson, Jersey City, N. J.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Guild & Garrison, 457 Kent av, Brooklyn, N. Y.
Harris Arthur & Co., 212 N Curtis, Chicago, Ill. *See adv index at end of book*
Hoffman-Ahlers Co, 828 E Pearl, Cinn., O.
Holmberg Chas. & Co. (Confectioners, etc), 1439 Austin av, Chicago, Ill.
Joubert & Goslin Mach. & Fdry. Co., Birmingham, Ala.
Kilby Mfg. Co. (Cast Iron & Steel), 4623 Lakeside av, Cleveland, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Krajewski-Pesant Corp., 50 Broad, New York
Kren Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Manistee Iron Works Co. (For Salt), Manistee, Mich.
Manitowoc Engineering Works, Manitowoc, Wis.
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Murphy John H, 643 Magazine, New Orleans, La.
**NAZARETH FOUNDRY & MACHINE CO.**, Nazareth, Pa., & 106 Front, New York
Oat Jos. & Sons, 232 Quarry, Phila., Pa.
Philadelphia Coppersmithing Co., 222 N Front, Phila., Pa.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Rapid Evaporating Co., Detroit, Mich.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.
Sperry D. R. & Co. ("Sperry" Swing Kettle), Batavia, Ill.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Sugar Machinery Co., Higgins bldg, San Francisco, Cal.
Treadwell Engineering Co., Easton, Pa.
*See adv index at end of book*
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
**VITREOUS ENAMELING CO.** (Vitreous Enameled), Grant av, Cleveland, O.
*See adv index at end of book*
Von Phul Gilbert D., Hibernia Bank bldg, New Orleans, La.
**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler," "Lilie") Carteret, N. J. *See adv index at end of book*
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
**ZAREMBA CO.**, 505 Niagara Life bldg, Buffalo, N. Y.
*See adv index at end of book*

## 10615— Pans (Wax)

Fabricated Steel Products Corp., Box 505 Leetonia, O. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*

## 10616— Pans (Weigh)

United Iron Works, Inc., Kansas City, Mo.

## 10617— Pans (Wet)

Clearfield Machine Shops, Clearfield, Pa.
Frost Mfg. Co. ("Frost"), Galesburg, Ill.
Jackson & Church Co., Saginaw, Mich.
Pennsylvania Crusher Co., Stephen Girard bldg., Phila., Pa.
Phillips & McLaren, Pittsburgh, Pa.
United Iron Works, Inc., Kansas City, Mo.
Worthington Pump & Machinery Corp., 115 B'way, New York
*See adv index at end of book*

## 10618— Pantographs

Ashcroft Mfg. Co., 119 W 40th, New York
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Keuffel & Esser Co., Hoboken, N. J.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.

## 10619—Pantry Windows (Revolving)

Van Kannel Revolving Door Co., 250 W 54th, New York

## 10619a— *Pants (Cotton)

**COUCH MILLS CO.**, Atlanta, Ga.

## 10620— Paper (Absorbent)

Eaton-Dikeman Co. (All Grades), Lee, Mass.
Funke Ferdinand Sons, Evansville, Ind.
Munroe Falls Paper Co., Masillon, O.

## 10621— Paper (Anti-Rust)

Brown Co., Portland, Me.
Fox Paper Co., Lockland, O.
Robertson C. M. Co., Montville, Conn.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## 10622—Paper (Anti-Tarnish)

Adams Paper Co., Wells River, Vt.
Brown Co., Portland, Me.
Fox Paper Co., Lockland, O.
Greene Paper Co., 5014 Market, Phila., Pa.
Mohawk Valley Paper Co., Little Falls N.Y.
Sorg Paul A. Paper Co., Middletown, O.
Whittlesey F. H. Co. (Tissue), Windsor Locks, Conn.

## 10623— Paper (Bag)

Brown Co., Portland, Me.
Cheboygan Paper Co., Cheboygan, Mich.
Cleveland-Akron Bag Co., Cleveland, O.
Crown Willamette Paper Co., San Francisco, Cal.
Cushnoc Paper Co., Augusta, Me
DeGrasse Paper Co., Pyrites, N. Y.
Dexter Sulphite Pulp & Paper Co. Dexter, N. Y.
Eddy Paper Co., Three Rivers, Mich.
E-Z Opener Bag Co., Taylorville, Ill.
Fletcher Paper Co., Alpena, Mich.
Hartford City Paper Co. (Greaseproof & Glassine), Hartford City, Ind.
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
Howland Pulp & Paper Corp., Howland, Me.
International Paper Co., 30 Broad, New York
Island Paper Co., Carthage, N. Y.
Jaite Co., Jaite, O.
Lake Champlain Pulp & Paper Co., Plattsburgh, N. Y.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Marseilles Wrapping Paper Co., Marseilles, Ill.
New York & Pennsylvania Co., 200 5th av, New York
Crono Pulp & Paper Co., Bangor, Me.
Raquette River Paper Co., Potsdam, N. Y.
Rogers J. & J. Co., Ausable Forks, N. Y.
Victoria Paper Mills Co., Fulton, N. Y.
Yellow Pine Paper Mill Co., Orange, Tex.

## 10624— Paper (Bank Note)

Brown L. L. Paper Co., Adams, Mass.
Crane & Co., Dalton, Mass.

## 10625—Paper (Bankers' Safety)

La Monte Geo. & Son ("National," "Bankers' Safety," "Safety Check"), 61 B'way, New York

## 10626— Paper (Bible)

Bardeen Paper Co., Otsego, Mich.
Kimberly-Clark Co., Neenah, Wis.
Tileston & Hollingsworth Co., 49 Federal, Boston, Mass.

## 10627— Paper (Black)

Brown Co., Portland, Me.
Kimberly-Clark Co., Neenah, Wis.
Lewis J. P. Co., Beaver Falls, N. Y.
Schmidt & Ault Paper Co., York, Pa.

## 10628—Paper (Black Coated)

Watson H. F. Co. (Waterproof), Erie, Pa.

## 10629— Paper (Blasting)

Atlas Paper Co., Indianapolis, Ind.
Atlas Powder Co., 140 N Broad, Phila., Pa. *See adv index at end of book*
Brown Co., Portland, Me.
Bloomsburg Paper Co. (Waterproof), Lightstreet, Pa.
Dooley Bros. (Jobbers), 1201 S Washington, Peoria, Ill.
Fleming John G. & Son, Dallas, Texas
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*
Graham Paper Co., St. Louis, Mo.
Herrlinger Paper Co., 211 Main, Cincinnati, O.
Megargee Bros. (Waterproof) Scranton, Pa
National Paper Mills & Filler Co., W 43d & S Racine av, Chicago, Ill.
Paper Mfrs. Co. (Jobbers), 526 Cherry, Phila., Pa.
Queen City Paper Co., 515 Eggleston av, Cincinnati, O.
**UNION PAPER & TWINE CO.**, 125 St Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Weston Paper & Mfg. Co., Dayton, O.

## 10630— Paper (Blotting)

Albemarle Paper Mfg. Co. ("World," "Hollywood," "Reliance," "Vienna Moire," "Directoire"), Richmond, Va.
Bardeen Paper Co. (Interleaving), Otsego, Mich.
Crocker, Burbank & Co., Fitchburg, Mass
District of Columbia Paper Mfg. Co., 3255 K. N. W., Washington, D. C.
Eaton-Dikeman Co. ("Arlington," "Magnet," "Columbian," "Lenox"), Lee, Mass.
Gilbert Frank Paper Co., Waterford, N. Y
Hampden Glazed Paper & Card Co., (Enameled & Glazed), Holyoke, Mass.
**HEWITT C. B. & BROS.** (Jobbers), 20 Ferry, New York
*See adv index at end of book*
Parker Jos. & Son Co. ("Treasury," "Commercial," "Capitol"), New Haven, Conn.
Richmond Paper Co. ("Climax," "Star" & Enameled), Richmond, Va.
Standard Paper Mfg. Co. ("Sterling," "Imperial" & "Standard" Plain; "Royal Worcester" & "Defender" Enameled; "Curi-Curl," "Prismatic" & "Banker's Linen Finish" Embossed), Hull & Canal, Richmond, Va.
*See adv index at end of book*

**BLOTTING, ABSORBENT and Matrix Papers**

**Standard Paper Mfg. Co.**
Richmond, Va.
*Largest Exclusive Manufacturers*

Vinton Wm. H. & Son, Brattleboro, Vt.
Wrenn Paper Co. ("Wrenn's Best," "Wrenn's Record," "Mosaic," "Miami," "Antlers," also "Porcelain" & "Competition" Enameled), Middletown, Ohio

## 10631—Paper (Blue Print) Mfrs.

See also Blue & Black Prints & Papers
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*

## 10632— Paper (Bogus)

Andrews John T. & Co., Penn Yan, N. Y.
Harvey Paper Co., Wellsburg, W. Va.
Humphrey & Young, Napanoch, N. Y.
Lawless Paper Co., Rochester, N. Y.
Richmond Robert P., Valatie, N. Y.
Robertson C. M. Co., Montville, Conn.
Schmidt & Ault Paper Co., York, Pa
Van de Carr Paper Co., Stockport, N. Y.

## 10633— Paper (Bond)

Aetna Paper Co., Dayton, O.
American Writing Paper Co., Holyoke, Mass.
Angel H. Reeve & Co., Inc., "Varsity," 7 Spruce, New York
Beckett Paper Co., Hamilton, O.
Brown Co. ("Nibroc"), Portland, Me.
Brown L. L. Paper Co., Adams, Mass.
Bryant Paper Co., Kalamazoo, Mich.
Carew Mfg. Co., South Hadley Falls, Mass.
Chapin & Gould Paper Co., Springfield, Mass.
Chemical Paper Mfg. Co., Holyoke, Mass.
Crane & Co., Dalton, Mass.
Crocker-McElwain Co., Holyoke, Mass.
District of Columbia Paper Mfg. Co., 3255 K. N. W., Washington, D. C.
East Hartford Mfg. Co., Burnside, Conn.
Eastern Mfg. Co., Bangor, Me.
Esleeck Mfg. Co. (Light Weight, Loft Dried), Turners Falls, Mass.
Everett Pulp & Paper Co., Everett, Wash.
Fox River Paper Co., Appleton, Wis.
Gilbert Paper Co., Menasha, Wis.
Hammermill Paper Co. ("Hammermill), Erie, Pa.
Hampshire Paper Co., South Hadley Falls, Mass.
Kalamazoo Paper Co., Kalamazoo, Mich.
Keith Paper Co., Turners Falls, Mass.
Kimberly-Clark Co., Neenah, Wis.
Lee Paper Co. (Loft Dried), Vicksburg, Mich.
Marathon Paper Mills Co., Rothchild, Wis.
Millers Falls Paper Co., Millers Falls, Mass.
Mountain Mill Paper Co., Lee, Mass.
Munising Paper Co., Munising, Mich.
Neenah Paper Co., Neenah, Wis.
Oglesby W. B. Paper Co. ("Corduroy"), Middletown, O.
Parsons Paper Co., Holyoke, Mass.
Peninsular Paper Co., Ypsilanti, Mich.
Rising B. D. Paper Co. ("Housatonic," "Barrington" & "Danish"), Housatonic, Mass.
Riverside Fibre & Paper Co., Appleton, Wis.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Southworth Co., Mittineague, Mass.
Strathmore Paper Co., Mittineague, Mass.
Taylor-Atkins Paper Co., Burnside, Conn.
Taylor-Logan Co. ("Public Service"), Holyoke, Mass.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Valley Paper Co., Holyoke, Mass.
Weston Byron Co. ("B. W. Defiance"), Dalton, Mass.
Whiting Paper Co., Holyoke, Mass.
Whiting-Plover Paper Co., Stevens Point, Wis.
Worthy Paper Co. Assn., Mittineague, Mass.
Wroe W. E. & Co. (Construction Bond, Special Water Marks for the Trade), 208 E Ill., Chicago, Ill.

## 10634— Paper (Book)

Advertisers Paper Mill, Holyoke, Mass.
Alexandria Paper Co., Alexandria, Ind.
American Writing Paper Co., Holyoke, Mass.
Amoskeag Paper Mill Co., Manchester, N. H.
Antietam Paper Co., Hagerstown, Md.
Bardeen Paper Co., Otsego, Mich.
Bare D. M. Paper Co., Roaring Spring, Pa.
Barnes Paper Mills, Rochester, Mich.
Bergstrom Paper Co. (Machine Finished & Super Calendered), Neenah, Wis.
Bryant Paper Co. (Super & Machine Finish), Kalamazoo, Mich.

Bulkley, Dunton & Co., 75 Duane, New York
Cantine Martin Co., Saugerties, N. Y.
Champion Coated Paper Co., Hamilton, O.
Champion International Co. (Enameled), Lawrence, Mass.
Contoocook Valley Paper Co., West Henniker, N. H.
Crocker, Burbank & Co., Fitchburg, Mass.
Curtis & Bro. (Rag), Newark, Del.
Dill & Collins Co., 140 N 6th, Phila., Pa.
District of Columbia Paper Mfg. Co. (All Rag Deckle Edge), 3255 K N W, Washington, D. C.
Emerson Paper Co., Sunapee, N. H.
Everett Pulp & Paper Co. (Machine Finished & Super Calendered), Everett, Wash.
Fitchburg Paper Co., Fitchburg, Mass.
French Paper Co., Niles, Mich.
Garrett C. S. & Son Co., 20 S Marshall, Phila., Pa.
Gilbert Frank Paper Co., Waterford, N. Y.
Glatfelter P. H. Co., Spring Grove, Pa.
Hamilton W. C. & Sons, Wm. Penn, Pa.
Harmon Paper Co., Brownville, N. Y.
Hartford Paper Co., Hartford, Conn.
Heer Peter Paper Box Co., 56 W Kinzie, Chicago, Ill.
Holden Paper Co., Newburgh, N. Y.
Jessup & Moore Paper Co., Commercial Trust bldg, Phila., Pa.
Kalamazoo Paper Co., Kalamazoo, Mich.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Mead Pulp & Paper Co., Dayton, O.
Merrimac Paper Co. (Enameled), Lawrence, Mass.
Miamisburg Paper Co., Miamisburg, O.
Michigan Paper Co., Plainwell, Mich.
Millers Falls Paper Co., Millers Falls, Mass.
Monadnock Paper Mills, 201 Devonshire, Boston, Mass.
Monarch Paper Co., Kalamazoo, Mich.
Moorhouse R. T., 2655 Bridge, Phila., Pa.
Nashua River Paper Co., Pepperell, Mass.
New York & Pennsylvania Co., 200 5th av, New York
Nixon Martin & Wm. H. Paper Co., 1011 Chestnut, Phila., Pa.
Oxford Paper Co., 200 Fifth av, New York
Patten Paper Co. (Ltd.), Appleton, Wis.
Peerless Paper Co., Dayton, Ohio
Peninsular Paper Co., Ypsilanti, Mich.
Poland Paper Co., Mechanic Falls, Me.
Reading Paper Mills, Reading, Pa.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Strathmore Paper Co., Mittineague, Mass.
Taylor-Logan Co., Holyoke, Mass.
Ticonderoga Pulp & Paper Co., 200 5th av, New York. Mills: Ticonderoga, N. Y.
Tileston & Hollingsworth Co., 49 Federal, Boston, Mass.
Tomahawk Pulp & Paper Co., Tomahawk, Wis.
Wanaque River Paper Co., 290 B'way, New York
Warren S. D. Co., Inc., 200 Devonshire, Boston, Mass.
Watab Pulp & Paper Co., Sartell, Minn.
Watervliet Paper Co., Watervliet, Mich.
West Virginia Pulp & Paper Co., 200 5th av, New York
Wheelwright Geo. W. Paper Co., 95 Milk, Boston, Mass.
Whiting Geo. A. Paper Co., Menasha, Wis.

## 10635—Paper (Box Covering)

Boston Paper Mfg. Co., 15 Chardon, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Ryan J. D. Co. (Cigar), 735 Central av, Cleveland, O.
Tuttle Press Co., Appleton, Wis.
Walsh Paper Co., Cuyahoga Falls, O.

## 10636-7—Paper (Box Makers')

Hampden Glazed Paper & Card Co. (Glazed, Flinted & Embossed), Holyoke, Mass
Peerless Paper Box Mfg. Co., 1137 W 6th, Cleveland, O.
Schmidt & Ault Paper Co. (Chip), York, Pa
Vosta Co., Albany, N. Y.

## 10638—Paper (Butchers' Manila)

Andrews John T. & Co., Penn Yan, N. Y.
Fleming John G. & Son, Dallas, Tex.
Fox Paper Co., Lockland, O.
Humphrey & Young, Napanoch, N. Y.
Kieffer Paper Co., Brownstown, Ind.
Lawless Paper Co., Rochester, N. Y.
Lindsley Henry A. 1610 W 116th, Cleveland, O.
Marcellus Paper Co. (Waterproof), Syracuse, N. Y.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Schmidt & Ault Paper Co., York, Pa.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg., Buffalo, N. Y.
*See adv index at end of book*

## 10639— Paper (Carbon)

Allen Jno. Co., 17 Rose, New York
American Multigraph Sales Co., 1832 E 40th, Cleveland, Ohio
American Ribbon & Carbon Co. ("Eagle," "Onion Skin"), Rochester, N. Y.
Apter Bros. Mfg. Co., 552 W Harrison, Chicago, Ill.
Ault & Wiborg Co., Cincinnati, O.
Black Diamond Ribbon & Carbon Co. ("Black Diamond"), Rochester, N. Y.
Brecher E. A. & Co. ("Peerless," "Unxld," "Merit"), 119 Lafayette, New York
Buckeye Ribbon & Carbon Co., Cleveland, Ohio
Carter's Ink Co. ("Ideal"), E Cambridge, Boston, Mass.
Columbia Ribbon & Carbon Mfg. Co. ("Columbia"), 69 Wooster, New York
Corona Supply Co. ("Corona" & "Iroquois"), Rochester, N. Y.
Crown Ribbon & Carbon Mfg. Co. ("Crown," "Globe," "Pioneer"), Rochester, N. Y.
De Fi Mfg. Co. ("De-Fi," "Solite"), 150 Nassau, New York
Downes & Co. ("So-Klean"), 63 Wall, New York
Foyer Chas. A. & Co. ("Foyer"), 1104 Prospect av, Cleveland, O.
General Manifold & Printing Co., Franklin, Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heale J. A. & Co. ("H.-B," "Crystal," "Rival," "Export," "Special"), 96 John, New York
Imperial Mfg. Co. ("Non-Smut"), 297 Washington, Newark, N. J.
**INK RIBBON MFG. CO.** ("Peacock" Silk Carbon Paper & Silk Typewriter Ribbons, "Flo-Eze" Inks, "Quiksticker" Mucilage & Paste, "Irco" Stamp Pads & Stamp Pad Inks), 635 Howard, San Francisco, Cal.
International Carbon Paper Co., 100 Grand, New York
Kee Lox Mfg. Co. ("Kee Lox"), Rochester, N. Y.
Kruse Printing Ink Co., 437 Pearl, New York
Little A. P. ("Cobweb"), Rochester, N. Y.
Manifold Supplies Co. ("Panama"), 183 3d av, Brooklyn, N. Y.
Miller-Bryant-Pierce Co. ("Carnation," "Diamond," "Thin-O," "Clover," "Maple Leaf," "Aurora," "Special," "M. B. P."), Aurora, Ill.
Minford Ribbon & Carbon Co. ("Minford" & "Sea Bell"), 9 Walker, New York
Mittag & Volgar ("Eureka"), Park Ridge, N. J.
Monarch Supply Co., Inc., 390 E Main, Rochester, N. Y.
National Ribbon & Carbon Co., 1466 E 55th, Cleveland, O.
Neidich Process Co., Burlington, N. J.
Non-Smut Carbon Mfg. Co. ("Attorney," "Standard"), Rochester, N. Y.
Old Town Ribbon & Carbon Co., 245 Centre, New York
Pen Carbon Manifold Co. ("Non-Flake Typewriter Carbon"), New Brunswick, N. J.
Phillips Ribbon & Carbon Co. ("Philco"), 88 Manhattan, Rochester, N. Y.
Republic-Dodge Mfg. Co. ("Du-Ra-Bul"), 188 3d av, Brooklyn, N. Y.
Rogers Manifold & Carbon Paper Co. ("Rogers"), 33 Sullivan, New York
Smith Paper Co., Lee, Mass.
Snelling & Son, 225 34th, Brooklyn, N. Y.
Stafford S. S., 609 Washington, New York
Storms H. M. Co. ("American," "Triangle," "Smirchless"), 11 Vandewater, New York
Typeribbon Mfg. Co. ("Van-Sen"), 711 S Dearborn, Chicago, Ill.
Underwood Jno. & Co., 62 Park pl, New York
**UNION PAPER & TWINE CO.** ("Unico"), 125 St. Clair av, N W, Cleveland, O., and 538 Brisbane bldg, Buffalo, N. Y.
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Union Ribbon & Carbon Co. ("Apex," "Summit"), 67 Laurel, Phila., Pa.
United States Typewriter Ribbon Mfg. Co. ("U. S."), 124 So 8th, Phila., Pa.
Vacuo-Static Carbon Co. ("Smearless"), Rochester, N. Y.
Webster F. S. Co. ("Multe Kopy"), 340 Congregational, Boston, Mass.
Whitfield Carbon Paper Works ("Whitfield" Pencil & Typewriter), 33 Sullivan, New York

## 10640—Paper (Carbon Tissue)

Diamond Mills Paper Co., 44 Murray, New York
Gandy Wm. H. (Estate), Lambertville, N. J.
Smith Paper Co., Lee, Mass.

## 10641—Paper (Carborundum)

Behr Herman & Co. ("Carbicon"), 61 B'way, New York
Carborundum Co. (Garnet Paper & Cloth & Aloxite Cloth, Niagara Falls, N. Y.

## 10642— Paper (Cartridge)

Brown Co., Portland, Me.
Bloomsburg Paper Co. (Waterproof), Lightstreet, Pa.
Cleveland-Akron Bag Co., Cleveland, O.
Everett Pulp & Paper Co., Everett, Wash.
Sorg Paul A. Paper Co., Middletown, O.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
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## 10643—Paper (Cash Register)

Burnham Asa C., Camden, N. Y.
Hartford City Paper Co., Hartford City, Ind.
International Roll Paper Co., No. Manchester, Ind.
Kimberly-Clark Co., Neenah, Wis.
Perry Chas. E. Co., 77 Washington North, Boston, Mass.
Rockwell-Barnes Co., 823 S Wabash av, Chicago, Ill.
Standard Cash Register Co. (Autographic), No. Manchester, Ind.

## 10643a— *Paper (Celluloid)

Stratford Paper Co., 170 Carnelison av, Jersey City, N. J.

## 10644—Paper (Cloth Lined)

Cleveland-Akron Bag Co., (Poster), Cleveland, O.
Le Fevre Edward Y., Fallsburg, N. Y.
Safe Pack Mills ("Safepack"), 727 Atlantic av, Boston, Mass.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
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## Paper (Coated)

See Paper, Surface Coated

## 10645-6—Paper (Condenser)

Smith Paper Co., Lee, Mass.

## Paper (Copying & Manifold)

See Railroad Stationery, Blanks, Manifestos; also Paper, Manifold; also Paper, Railroad Manifold; also Paper, Railroad, Copying

## 10647— Paper (Cork)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.

## 10648— Paper (Corrugated)

Agar Mfg. Co., 167 41st, Brooklyn, N. Y.
Bicking S. Austin Mfg. Co., East Downingtown, Pa.
Clark Paper Mfg. Co., Rochester, N. Y.
Corrugated Paper Co., Norfolk, Va.
Detroit Corrugated Box & Board Co., 88 Isabella, Detroit, Mich.
Fenton Fibre Box Co., North Tonawanda, N. Y.
Fibre Package Co., 473 Clay, Detroit, Mich.

PAPER (CORRUGATED)

**FOSTER F. B. & CO.,** 25th & Locust, Phila., Pa.
Ft. Wayne Corrugated Paper Co., Ft. Wayne, Ind.
Gair Robert Co., 50 Washington, Brooklyn, N. Y.
Grand Corrugated Paper Co., 30 Crosby, New York
Hinde & Dauch Paper Co. (& Corrugated Paper), Sandusky, O.
Hunt-Crawford Co., Coshocton, O.
Illinois Glass Co., Alton, Ill.
Kress F. J. Co. (Products), 2930 Liberty, Pittsburgh, Pa.
Lawrence Paper Co. ("Jayhawk" Law-Double Face), 151 Spring, New York
**MID-WEST BOX CO.,** 111 W Washington blvd, Chicago, Ill.
Nivison-Weiskopf Co., 318 Elm, Cincinnati, O.
Page Geo. G. Box Co., Cambridge, Mass.
Park Novelty Co., 25th & Loest, Phila., Pa.
Phillips Thos. Co., Akron, O.
Schmidt & Ault Paper Co., York, Pa.
Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.
Thompson & Norris Co., The, 212 Concord, Brooklyn, N. Y.
**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Warner & Childs, Co., Medford, Mass.

## 10649—Paper (Cotton Batting)

Robertson's Wm. Sons, Putney, Vt.

## 10650— Paper (Cover)

Advertisers Paper Mill, Holyoke, Mass.
American Writing Paper Co., Holyoke, Mass.
Bardeen Paper Co., Otsego, Mich.
Beckett Paper Co., Hamilton, O.
Bergstrom Paper Co., Neenah, Wis.
Case A. Willard Co., Manchester, Conn.
Chemical Paper Mfg. Co., Holyoke, Mass.
Curtis & Bro., Newark, Del.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Dexter C. H. & Sons ("Princess," "Unique," "Levant"), Windsor Locks, Conn.
District of Columbia Paper Mfg. Co. ("Potomac" Plain & Fancy Patterns), 3255 K N W, Washington, D. C.
Gilbert Frank Paper Co., Waterford, N. Y.
Hampden Glazed Paper & Card Co. ("Algonkin," "Kwasind," "Sunburnt"), Holyoke, Mass.
Keith Paper Co., Turner Falls, Mass.
Kimberly-Clark Co., Neenah, Wis.
Knowlton Bros., Watertown, N. Y.
Lewis J. P. Co., Beaver Falls, N. Y.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Marathon Paper Mills Co., Rothchild, Wis.
Millers Falls Paper Co., Millers Falls, Mass.
Monroe Bridge Paper Co., Monroe Bridge, Mass.
New York-New England Co., Holyoke, Mass.
New York & Pennsylvania Co., 200 5th av, New York
Niagara Paper Mills, Lockport, N. Y.
Pejepscot Paper Co., 111 B'way, New York
Peninsular Paper Co., Ypsilanti, Mich.
Pioneer Paper Co., Ballston Spa, N. Y.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Standard Paper Co., Kalamazoo, Mich.
Strathmore Paper Co., Mittineague, Mass.
Taylor Logan Co., Holyoke, Mass.
Worthy Paper Co. Assn. (Fancy & Deckle Edged), Mittineague, Mass.

## 10651— Paper (Crepe)

American Novelty Paper Co., Saugerties, N. Y.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Erving Paper Mills, Erving, Mass.
Schmidt & Ault Paper Co. (Heavy), York, Pa.
Tuttle Press Co., Appleton, Wis.
United States Paper Mills, Chambersburg, Pa.

## 10651a— Paper (Detail)

Angel H. Reeve & Co. Inc. ("Elswick," "Berwick," "Carwick"), 7 Spruce, New York
**HEWITT C. B. & BROS.** (Jobbers), 20 Ferry, New York
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## 10652— Paper (Document)

Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## 10653-4— Paper (Drawing)

American Writing Paper Co., Holyoke, Mass.
Angel H. Reeve & Co., Inc., 7 Spruce, New York
Bardeen Paper Co., Otsego, Mich.
sego, Mich.
Bedford Pulp & Paper Co., Richmond, Va.
Bryant Paper Co., Kalamazoo, Mich.
Chemical Paper Mfg. Co. (Manila), Holyoke, Mass.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Electro Sun Co., Inc., 161 Washington, New York
Keuffel & Esser Co., Hoboken, N. J.
Kimberly-Clark Co., Neenah, Wis.
Mason-Perkins Paper Co., Bristol, N. H.
Pease C. F. Co., 820 N Franklin pl, Chicago, Ill. *See adv index at end of book*
Schmidt & Ault Paper Co., York, Pa.
**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
**VINCENT GEO.** (Mfr. Victory Vellum Tracing Paper), 422 E 53rd, New York.

## Paper (Drawing, Tracing & Detail)

See Tracing Cloth & Paper

## 10655-6— Paper (Drug)

Bardeen Paper Co. (White & Grey), Ot-
Kimberly-Clark Co., Neenah, Wis.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Wausau Paper Mills Co. (Bond), Brokaw, Wis.

## Paper (Emery)

See Paper, Flint, Sand & Emery

## 10657— Paper (Enameled)

Bryant Paper Co. ("Radium," Enameled), Kalamazoo, Mich.
Cantine Martin Co., Saugerties, N. Y.
Riverview Coated Paper Co. (Book), Kalamazoo, Mich.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.

## 10658— Paper (Envelope)

American Writing Paper Co., Holyoke, Mass.
Brown Co., Portland, Me.
Bryant Paper Co. (Rag & Wool), Kalamazoo, Mich.
Chemical Paper Mfg. Co., Holyoke, Mass.
Considine Norbert A., North American bldg, Phila., Pa.
Crocker-McElwain Co., Holyoke, Mass.
Curtis & Bros., Inc., Newark, Del.
Cushnoc Paper Co., (Manila), Augusta, Me.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Eastern Mfg. Co., Bangor, Me.
Howard Paper Co., Urbana, O. (See Dayton)
Kalamazoo Paper Co., Kalamazoo, Mich.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Lee Paper Co., Vicksburg, Mich.
Merrimac Paper Co., Lawrence, Mass.
Miamisburg Paper Co., Miamisburg, O.
Monadnock Paper Mills, 201 Devonshire, Boston, Mass.
Moore & Thomspon Paper Co., Bellows Falls, Vt.
N. Y. & Penn. Co., 200 Fifth av, New York
Orono Pulp & Paper Co. (Manila), Bangor, Me.
Racquette River Paper Co., Potsdam, N. Y.
Robertson Paper Co. (Manila), Bellows Falls, Vt.
Rogers J. & J. Co. (Manila), Au Sable Forks, N. Y.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Warren Mfg. Co. (Jute), 233 B'way, New York
Watervliet Paper Co., Watervliet, Mich.
West Va. Pulp & Paper Co., 200 5th av. New York

## 10659— Paper (Express)

Bardeen Paper Co., Otsego, Mich.
Central Box Board Co., 43d & Racine av, Chicago, Ill. Works: Rock Falls, Ill.
Cleveland-Akron Bag Co., Cleveland, O.
Clinton Paper Co. (No. 2), Clinton, Iowa
Crown Willamette Paper Co., San Francisco, Cal.
Eureka Paper Co., Fulton, N. Y.
E.-Z. Opener Bag Co., Taylorville, Ill.
Fox Paper Co., Lockland, O.
Gould Paper Co. (Drab), Port Leydon, N. Y.
Howland Pulp & Paper Corp., Howland, Me.
Kieffer Paper Co. (No. 2 Red), Ewing, Ind.
Kimberly-Clark Co., Neenah, Wis.
La Salle Paper Co., South Bend, Ind.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Marcellus Paper Co., Syracuse, N. Y.
Marseilles Wrapping Paper Co. (Glazed) Marseilles, Ill.
Monroe Falls Paper Co., Massillon, O.
New York & Penna. Co., 200 Fifth av, New York
Onondaga Paper Co., Marcellus Falls, N. Y.
Racquette River Paper Co., Potsdam, N. Y.
Strange John Paper Co., Menasha, Wis.
Tarentum Paper Mills, 2d National Bank bldg, Pittsburgh, Pa.
Yellow Pine Paper Mill Co. (Drab), Orange, Texas
York Haven Paper Co. (Light & Dark), Land Title bldg, Phila., Pa.

## 10660— Paper (Fibre)

Ager C. L. J., Lyonsdale, N. Y.
Analomink Paper Co., No. Water Gap, Pa.
Arrowhead Mills., Inc., Fulton, N. Y.
Bedford Pulp & Paper Co., Richmond, Va.
Brownville Paper Co., Brownville, N. Y.
Carolina Fibre Co., Hartsville, S. C.
Central Paper Co., Muskegon, Mich.
Cherry River Paper Co., Pennsylvania bldg, Phila., Pa.
Continental Fibre Co., Newark, Del.
*See adv index at end of book*
Dells Paper & Pulp Co., Eau Claire, Wis.
Dexter Sulphite Pulp & Paper Co., Dexter, N. Y.
Diamond State Fibre Co., Bridgeport, Pa.
Eureka Paper Co., Fulton, N. Y.
Falls Mfg. Co., Oconto Falls, Wis.
Fibre Corporation, Lockport, N. Y.
Fletcher Paper Co., Alpena, Mich.
Fibre Grand Co., Grand Rapids, Mich.
Garrett C. S. & Son Co., 20 S Marshall, Phila., Pa.
Glen Mills Paper Co., Stephen Girard bldg, Phila., Pa.
Green Bay Paper & Fibre Co., Green Bay, Wis.
Groveton Paper Co., Inc., Groveton, N. H.
Hartje Paper Mfg. Co., Columbia Bank bldg, Pittsburgh, Pa.
Hoboken Paper Mill Co., Hoboken, N. J.
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
International Paper Co., 30 Broad, New York
Island Paper Co. (Dry), Carthage, N. Y.
Island Paper Co., Menasha, Wis.
Kimberly-Clark Co., Neenah, Wis.
Lebanon Paper Co., San Francisco, Cal.
Lysle Wilson (Est. of), Landenberg, Pa.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Malone Paper Co., Malone, N. Y.
Marcellus Paper Co., Syracuse, N. Y.
Marinette & Menominee Paper Co., Marinette, Wis.
Marshall Bros., Yorklyn, Del.
Moyer & Pratt, Lyons Falls, N. Y.
National Fibre & Insulation Co., Yorklyn, Del.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
New York & Pennsylvania Co., 200 5th av, New York
Onondaga Paper Co., Marcellus Falls, N. Y.

Parsons Pulp & Lumber Co., Finance bldg, Phila., Pa.
Racquette River Paper Co., Potsdam, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Strange John Paper Co., Menasha, Wis.
Wausau Paper Mills Co., Brokaw, Wis.
Wilmington Fibre Specialty Co., Wilmington, Del.
Wolf River Paper & Fiber Co., Shawano, Wis.
Yellow Pine Paper Mill Co., Orange, Texas
York Haven Paper Co., Land Title bldg, Phila., Pa.

## 10661— Paper (Filter)

Angel H. Reeve & Co., Inc., 7 Spruce, New York
Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Baker J. T. Chemical Co. ("Baker's" Ashless), Phillipsburg, N. J.
Bausch & Lomb Optical Co., Rochester, N. Y.
Daigger A. & Co. ("Celeritas"), 54 W Kinzie, Chicago, Ill.
Elmer & Amend ("Whatman," "E. & A." etc), 205 3d av, New York
Fougera E. & Co. ("Pratt-Dumas" Sole Agents), 90 Beekman, New York
Heil Henry Chemical Co. (Max Deverhoff's), St. Louis, Mo.
**HEWITT C. B. & BROS., INC.** (Jobbers), 20 Ferry, New York
*See adv index at end of book*
Holz & Co., Inc. (For Chemical Analysis), 18 Madison av, New York
*See adv index at end of book*

FRANKLIN FILTER PAPER
A GRADE FOR EVERY USE
*Write for Samples*
HOLZ & CO., Inc.
18 Madison Avenue NEW YORK

Lenz Apparatus Co., 9 E 16th, New York
Sargent E. H. & Co. ("J. H. Munktell's" Swedish), 155 E Superior, Chicago, Ill.
Scientific Materials Co. (All Kinds), 717 Forbes, Pittsburgh, Pa.
Wrenn Paper Co., Middletown, O.

## 10662— Paper (Fireworks)

Funke Ferdinand Sons (Feather Edge), Evansville, Ind.
Kimberly-Clark Co., Neenah, Wis.
Munroe Falls Paper Co., Massillon, O.

## 10662a— *Paper (Fish)

Chicago Mica Co. (& Mica), Valparaiso, Ind. *See adv index at end of book*

## 10663—Paper (Flint, Sand & Emery)

Adam & Elting Co., 726 Washington blvd, Chicago, Ill.
American Glue Co. ("Union" Flint, etc), 121 Beverly, Boston, Mass.
Armour Sandpaper Works ("Bull's Head") 1355 W 31st, Chicago, Ill.
Baeder, Adamson & Co., Richmond & Allegheny avs, Phila., Pa.
Barton H. H. & Son Co. ("Best"), 109 S 3d, Phila., Pa.
Behr Herman & Co. ("Brooklyn," "Empire"), 61 B'way, New York
Carborundum Co., Niagara Falls, N. Y.
Dixon Wm., 39 John, New York
Edison International Corp., 165 B'way, New York
Hammel Riglander Co., 47 Maiden lane, New York
Hemphill A. J., Inc., 733 Greenwich, New York
Hollingsworth & Vose Co., 141 Milk, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Manning Abrasive Co., Troy, N. Y.
Minnesota Mining & Mfg. Co., 791 Forest, St. Paul, Minn.
Oliver Machy. Co., Grand Rapids, Mich.
Reardon Glue Mfg. Co., 2d & Clinton, Chicago, Ill.
Timmis & Clissold, Bound Brook, N. J.
U. S. Sand Paper Co., Williamsport, Pa.
Waddell R. J. & Co. ("National," "Metropolitan"), 52 Beekman, New York
Wausau Abrasives Co., 118 S Clinton, Chicago, Ill.
Warren Mfg. Co., 233 B'way, New York
West Jersey Paper Mfg. Co. (Sand), Camden, N. J
Wilhelm Henry Co., 136 10th, Pittsburgh, Pa.

## 10664— Paper (Fly)

Grand Rapids Sticky Fly Paper Co., Grand Rapids, Mich.
Kimberly-Clark Co., Neenah, Wis.
Massillon Paper Co., Massillon, O.
Munroe Falls Paper Co., Massillon, O.
National Fly Paper Co., Kenosha, Wis
Thum O. & W. Co. ("Tanglefoot"), Grand Rapids, Mich.
**UNION PAPER & TWINE CO.**, 125 St Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
See Paper, Flint, Sand Emery

## 10665—Paper for Carbon Manifolding

See also Paper, Manifold
Dexter C. H. & Sons, Windsor Locks, Conn.

## 10666—Paper (Fourdrinier Tissue)

Stratford Paper Co. (Fine), 170 Cornelison av, Jersey City, N. J.
**UNION PAPER & TWINE CO.**, 125 St Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## Paper (Garnet)

See Paper, Flint, Sand & Emery

## 10667— Paper (Glassine)

Angel H. Reeve & Co., Inc., 7 Spruce, New York
Diamond State Fibre Co., Bridgeport, Pa.
Hartford City Paper Co., Hartford City, Ind.
Warren Mfg. Co. (Riegel's "Jewel Brand"), 233 B'way, New York

## 10668— Paper (Glazed)

National Coated Paper Corp. (Roll & Sheet), Pawtucket, R. I.
Riverview Coated Paper Co., Kalamazoo, Mich.

## 10669—*Paper Goods (Sanitary)

**UNION PAPER & TWINE CO.**, 125 St Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## 10670—*Paper (Grease Proof)

**UNION PAPER & TWINE CO.**, 125 St Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## 10671— Paper (Gummed)

Anderson W. J. & Co., 341 B'way, New York
Crowell Corp., 241 37th, Brooklyn, N. Y.
Eisler Anthony & Co., 227 Canal, New York
Ideal Coated Paper Co. (Flat), Brookfield, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.
Metal Specialties Mfg. Co. (In Rolls), 338 N Kenzie av, Chicago, Ill.
Page Fred M. & Co. (For Paper Box Mfrs & Sealing Machines), West Lynn, Mass.
Paper Goods Mfg. Co., 925 Pennsylvania av, Pitsburgh, Pa.
Papco Paper Products Co., Atlanta, Ga.
Peters Co., 33-35th, Brooklyn, N. Y.
Thomas Stationery Mfg. Co., Springfield, O.

## 10672—Paper (Ham Wrapping)

Bardeen Paper Co. (Antiseptic), Otsego, Mich.
Central Box Board Co., 43rd & Racine av, Chicago, Ill.
Funke Ferdinand Sons (Common), Evansville, Ind
Schmidt & Ault Paper Co., York, Pa.

## 10673-4—Paper (Hardware)

Bird & Son, East Walpole, Mass.
Case Mfg. Co., Unionville, Conn.
Fox Paper Co. (Black), Lockland, O.
Kimberly-Clark Co., Neenah, Wis.
Marcellus Paper Co., Syracuse, N. Y.
New York & Pennsylvania Co., 200 5th av, New York
Rogers J. J. & Co., Au Sable Forks, N. Y.
Schmidt & Ault Paper Co., York, Pa.

## 10675— Paper (Insulating)

See also Mica

American Mica Co. ("Puritan"), Newton Lower Falls, Mass.
American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.
Aspromet Co., 1st National Bank bldg, Pittsburgh, Pa.
Barrett Co. (Also Insulatingg Rope), 17 Battery pl, New York
Bird & Son Cold Storage, East Walpole, Mass.
Bradley A. J. Mfg. Co. (Oil Stencil), 101 Beekman, New York
*See adv index at end of book*
Cabot Samuel (Inc.) ("Cabot's" Quilt), 141 Milk, Boston, Mass.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Case Bros (Boards, Any Size or Thickness) Highland Park, Conn.
Case & Risley Press Paper Co. (Fuller Board & Press Board), Oneca, Conn.
Certain-teed Products Corp., St. Louis, Mo.
Chatfield & Woods Co., 3rd & Plum, Cincinnati, O.
Chicago Mica Co. (Oiled & Treated Insulating), Valparaiso, Ind.
*See adv index at end of book*
Continental Fibre Co. (Hard Fibre), Newark, Del. *See adv index at end of book*
Crane Bros. ("Linoid"), Westfield, Mass.
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Dexter C. H. & Sons (Tissue, etc), Windsor Locks, Conn.
Dialectric Mfg. Co., 224 S Vandeventer, St. Louis, Mo.
Diamond State Fibre Co. (Hard Fibre), Bridgeport, Pa.
Flintkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Ford Roofing Products Co., 2339 La Salle, Chicago, Ill.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Green Insulation Co. ("Q. A."), Cleveland, Ohio
Hollingsworth & Vose Co. (All Grades for Insulating), 141 Milk, Boston, Mass.
Irvington Varnish & Insulator Co. ("Irvington"), Irvington, N. J.
Johns-Manville H. W. Co. (Asbestos), Madison av & 41st, New York
Keystone Roofing Co. ("Atlas," "Samson Elastic," "Keystone," "Conewago"), York, Pa.
Kingsley Paper Co., 321 St. Clair, N W, Cleveland, O.
Lehon Co. ("Per-Bona"), 4451 W S Oakley av, Chicago, Ill.
*See adv index at end of book*
Manning John A. Paper Co., Troy, N. Y.
Meirowsky Bros. ("Excelsior"), Jersey City, N. J.
Merwin Paper Co. (Insulating Boards), Windsor, Conn.
Mica Insulator Co. ("M. I. C." "Linolac." "Micanite," "Empire," "Kablak"), 68 Church, New York
National Fibre & Insulation Co. ("Peerless"), Yorklyn, Del.
Newton Paper Co., Holyoke, Mass.
Pittsburgh Insulating Co., 96 43d, Pittsburgh, Pa.
Rogers Fibre Co. ("Leatheroid"), 121 Bead, Boston, Mass.
Rogers Paper Mfg. Co. (Insulating Boards), South Manchester, Conn.
Single Jno. Paper Co., Syracuse, N. Y
Standard Fibre Co., Miller st, Somerville, Mass.
Standard Paint Co. ("Hercules," "Giant," "Universal"), 233 B'way, New York
Tarentum Paper Mills (Rope Paper for Insulating), 2d National Bank bldg, Pittsburgh, Pa.
Union Mills Paper Mfg. Co. (For Electric Light & Telephone Cables), New Hope, Pa.

PAPER (INSULATING)—continued
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Watson H. F. Co. (Asbestos & Rope), Erie, Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
York Haven Paper Co. (Insulating Paper), Land Title bldg, Phila., Pa.

## 10676— Paper (Jute)

Baeder-Adamson & Co., Richmand & Allegheny, Phila., Pa.
Hollingsworth & Vose Co., 141 Milk, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Sorg Paul A., Paper Co., Middletown, O.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Wardlow-Thomas Paper Co., Middletown, Ohio
Warren Mfg. Co., 233 B'way, New York

## 10677— Paper (Kraft)

Arrowhead Mills, Inc., Fulton, N. Y.
Brown Co. ("Nibroc"), Portland, Me.
Central Paper Co., Muskegon, Mich.
Cherry River Paper Co., Scranton, Pa.
Claremont Paper Co., Claremont, N. H.
Continental Paper Bag Co., 18 E 40th, New York
Crown Willamette Paper Co., San Francisco, Cal.
Eastern Mfg. Co., Bangor, Me.
Falls Mfg. Co., Oconto Falls, Wis.
Fox Paper Co. (All Sulphate Swedish, White & Mitscherlich & Machine Glazed), Lockland, O.
Hollingsworth & Whiting Co., 185 Devonshire, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
McDowell Paper Mills, Main & Levering, Phila., Pa.
Menasha Paper Co., Ladysmith, Wis.
Moore & Thompson Paper Co., Bellows Falls, Vt.
Mumford Paper Mills, Inc., Mumford, N. Y.
Munroe Felt & Paper Co., 79 Summer, Boston, Mass.
Newton Falls Paper Co., Watertown, N. Y.
New York & Pennsylvania Co., 200 5th av, New York
Orono Pulp & Paper Co., Bangor, Me.
Paper Products Co., 2405 W Franklin, Baltimore, Md.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Southern Paper Co. ("Kreole"), Moss Point, Miss.
Strange John Paper Co., Menasha, Wis.
Union Mill, Bancroft, Mass.
**UNION PAPER & TWINE CO.** (A1 Leather), 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y. *See adv index at end of book*
Wausau Sulphate Fibre Co., Mosinee, Wis.
Yellow Pine Paper Mill Co., Orange, Tex.

## 10678— Paper (Label)

Bardeen Paper Co., Otsego, Mich.
Bryant Paper Co., Kalamazoo, Mich.
Everett Pulp & Paper Co., Lowell, Wash.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Newton Paper Co., Holyoke, Mass.
New York & Pennsylvania Co., 200 5th av, New York
Oxford Paper Co., 200 5th av, New York
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
West Virginia Pulp & Paper Co., 200 5th av, New York

## 10679— Paper (Lace)

Am. Lace Paper Co. (Shelf), 419 3rd, Milwaukee, Wis.
Kimberly-Clark Co., Neenah, Wis.
Royal Lace Paper Works, 842 Lorimer, Brooklyn, N. Y.
U. S. Lace Paper Works, 69 W Houston, New York

## 10680— Paper (Linen)

Brown L. L. Paper Co., Adams, Mass.
Eastern Mfg. Co. (Linen Finish), Bangor, Me.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Keith Paper Co., Turner Falls, Mass.
Oglesby W. B. Paper Co., Middletown, O.
Whiting Paper Co., Holyoke, Mass.

## 10681— Paper (Linen Ledger)

American Writing Paper Co., Holyoke, Mass.
Beckett Paper Co., Hamilton, O.
Brown L. L. Paper Co., Adams, Mass.
Carew Mfg. Co. ("Vulcan"), S Hadley Falls, Mass.
Crane Bros. ("Gold Medal," "Japanese Linen" & All Linen Writing, etc), Westfield, Mass.
Eastern Mfg. Co., Bangor, Me.
Gilbert Paper Co., Menasha, Wis.
Keith Paper Co., Turner Falls, Mass.
Oglesby W. B. Paper Co. ("White Rock"), Middletown, O.
Southworth Co., Mittineague, Mass.
Weston Byron Co. ("Weston"), Dalton, Mass.
Whiting Paper Co., Holyoke, Mass.
Whiting-Plover Paper Co., Stevens Point, Wis.

## 10682— Paper (Lining)

Arrowhead Mills., Inc., Fulton, N. Y.
Bardeen Paper Co. (Rag), Otsego, Mich.
Fox Paper Co. (Rag), Lockland, O.
Hoboken Paper Mill Co.,, Hoboken, N. J.
Kieffer Paper Co. (Rag), Ewing, Ind.
Kimberly-Clark Co., Neenah, Wis.
La Salle Paper Co.( Rag), South Bend, Ind.
Mason-Perkins Paper Co. (Box), Bristol, N. H.
Monroe Paper Co. (Rag), Monroe, Mich.
Pairpoint Corp. (Cased), New Bedford, Mass.
Rochester Paper Products, Rochester, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Smeallie & Voorhees (Chip), Amsterdam, N. Y.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.

## 10683— Paper (Lithograph)

Am. Coating Mills, Elkhart, Ind.
Bardeen Paper Co., Otsego, Mich.
Bryant Paper Co., Kalamazoo, Mich.
Cantine Martin Co., Saugerties, N. Y.
Cleveland-Akron Bag Co. (Cloth Lined), Cleveland, O.
Curtis & Bro., Newark, Del.
Glatfelter P. H. Co., Spring Grove, Pa.
Kimberly-Clark Co., Neenah, Wis.
Merrimac Paper Co. (Coated), Lawrence, Mass.
Riverview Coated Paper Co., Kalamazoo, Mich.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Ticonderoga Pulp & Paper Co., 200 5th av, New York
Tileston & Hollingsworth Co., 49 Federal, Boston, Mass.

## 10684—Paper (Loose Leaf)

Brown L. L. Paper Co., Adams, Mass.
Weston Byron Co. ("Weston" Patented), Dalton, Mass.

## 10685— Paper (Macaroni)

Fox Paper Co., Lockland, O.
Kimberly-Clark Co., Neenah, Wis.
Schmidt & Ault Paper Co., York, Pa.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg., Buffalo, N. Y.
*See adv index at end of book*
Walsh Paper Co., Cuyahoga Falls, O.

## 10686— Paper (Manifold)

See also Paper, Railroad Manifolding; also Railroad Stationery, Blanks, Manifests, etc.
Dexter C. H. & Sons (Linen, etc), Windsor Locks, Conn.
Esleeck Mfg. Co. (White & Colored), Turner Falls, Mass.
Hartford City Paper Co., Hartford City, Ind.
Mann Wm. Co., 529 Market, Phila., Pa.
Stratford Paper Co., 170 Cornelison av, Jersey City, N. J.
**UNION PAPER & TWINE CO.** ("Unico"), 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg., Buffalo, N. Y.
*See adv index at end of book*
Whittelsey F. H. Co., Windsor Locks, Conn.

## 10687— Paper (Manila)

Adams Bag Co., 1900 Euclid av, Cleveland, O.
Adams Paper Co., Wells River, Vt.
Aldrich Paper Co., Watertown, N. Y.
Analomink Paper Co., North Water Gap, Pa.
Arrowhead Mills, Inc. (Light Weight), Fulton, N. Y.
Bardeen Paper Co. (Railroad), Otsego, Mich.
Blake & Higgins, Bellows Falls, Vt.
Burmus Paper Co., West Dudley, Mass.
Case Mfg. Co., Unionville, Conn.
Central Paper Co., Muskegon, Mich.
Cherry River Paper Co., Pennsylvania bldg, Phila., Pa.
Claremont Paper Co., Claremont, N. H.
Cleveland-Akron Bag Co., Cleveland, O.
Crown Willamette Paper Co., San Francisco, Cal.
Cushnoc Paper Co., Augusta, Me.
DeGrasse Paper Co., Pyrites, N. Y.
Dells Paper & Pulp Co., Eau Claire, Wis.
Eureka Paper Co., Fulton, N. Y.
Everett Pulp & Paper Co., Everett, Wash.
E-Z Opener Bag Co., Taylorville, Ill.
Falls Mfg. Co., Oconto Falls, Wis.
Fletcher Paper Co., Alpena, Mich.
Fox Paper Co., Lockland, O.
Gould Paper Co., Lyons Falls, N. Y.
Great Northern Paper Co., 30 E 42d, N. Y.
Groveton Paper Co., Inc., Groveton, N. H.
Harmon Paper Co., Brownville, N. Y.
Hawley Pulp & Paper Co. (All Grades), Oregon City, Ore.
Hennepin Paper Co., Plymouth bldg, Minneapolis, Minn.
Hollingsworth & Vose Co. (Jute), 141 Milk, Boston, Mass.
Hollingworth & Whitney Co., 185 Devonshire, Boston, Mass.
Howland Pulp & Paper Corp., Howland, Me.
International Paper Co., 30 Broad, New York
Island Paper Co., Carthage, N. Y.
Kieffer Paper Co. (No. 2), Ewing, Ind.
Kimberly-Clark Co., Neenah, Wis.
Lake Champlain Pulp & Paper Co., Plattsburg, N. Y.
Lawless Paper Co., Rochester, N. Y.
Lebanon Paper Co., San Francisco, Cal.
LeFevre Edward Y., Fallsburg, N. Y.
Lincoln L. & Co., North Dighton, Mass.
Marathon Paper Mills Co., Rothschild, Wis.
Marinette & Menominee Paper Co., Marinette, Wis.
Moore & Thompson Paper Co., Bellows Falls, Vt.
Moorehouse R. T., 2655 Bridge, Bridesburg, Philadelphia, Pa.
Moyer & Pratt, Lyonsdale, N. Y.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
New Haven Pulp & Board Co., New Haven, Conn.
Newton Falls Paper Co. (Sulphite), Watertown, N. Y.
New York & Pennsylvania Co., 200 5th av New York
Northwest Paper Co., Cloquet, Minn.
Onondaga Paper Co., Marcellus Falls N. Y.
Orono Pulp & Paper Co., Bangor, Me.
Pioneer Paper Co., Ballston Spa, N. Y.
Raquette River Paper Co. (Envelope & Printing), Potsdam, N. Y.
Reading Paper Mills, Reading, Pa.
Rogers J. & J. Co., Ausable Forks, N. Y.
Schmidt & Ault Paper Co., York, Pa.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Taggarts Paper Co., Watertown, N. Y.
Ticonderoga Pulp & Paper Co. (White), 200 5th av New York
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Wardlow-Thomas Paper Co., Middletown Ohio
Warren Mfg. Co., 233 B'way, New York
Wausau Paper Mills Co., Brokaw, Wis.

Wilf River Paper & Fiber Co., Shawano, Wis.
Yellow Pine Paper Mill Co. (No. 1), Orange, Tex.

## 10688— Paper (Map)

Bardeen Paper Co., Otsego, Mich.
Bryant Paper Co., Kalamazoo, Mich.
Cleveland-Akron Bag Co., Cleveland, O.
Educational Exhibition Co. ("Edexo"), 26 Custom House, Providence, R. I.
Fox River Paper Co., Appleton, Wis.
Kalamazoo Paper Co., Kalamazoo, Mich.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Watervliet Paper Co., Watervliet, Mich.

## 10689—Paper (Mimeograph)

American Writing Paper Co., Holyoke, Mass.
Bardeen Paper Co., Otsego, Mich.
Bare D. M. Paper Co., Roaring Springs, Pa.
Eaton Crane & Pike Co., Pittsfield, Mass.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
**UNION PAPER & TWINE CO.**, 25 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## 10690— Paper (Music)

Bardeen Paper Co., Otsego, Mich.
Kimberly-Clark Paper Co., Neenah, Wis.
Merrimac Paper Co., Lawrence, Mass.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Ticonderoga Pulp & Paper Co., 200 5th av, New York

## 10691— Paper Napkins

American Novelty Paper Co., Saugerties, N. Y.
Burnitol Mfg. Co., Orient av, Boston, Mass.
Continental Paper Bag Co., 18 E 40th, New York
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Erving Paper Mills, Erving, Mass.
Hoberg John Co., Green Bay, Wis.
Northern Paper Mills, Green Bay, Wis.
Paper Novelty Co., Green Bay, Wis.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Progressive Paper Products Co., 238 4th av, Pitsburgh, Pa.
Royal Lace Paper Works, 842 Lorimer, Brooklyn, N. Y.
Stone & Forsyth Co., 67 Kingston, Boston, Mass.
Tuttle Press Co. ("Paris" Crepe), Appleton, Wis.

## 10692—Paper (Negative & Black Line)

Pease C. F. Co. (Mfrs.), 820 N Franklin, Chicago, Ill. *See adv index at end of book*

## 10693— Paper (News)

Aldrich Paper Co., Watertown, N. Y.
Arrowhead Mills Inc., Fulton, N. Y.
Auglaize Box Board Co., St. Marys, O.
Barnes Paper Mills, Rochester, Mich.
Bedford Pulp & Paper Co., Richmond, Va.
Centralia Pulp & Paper Co., Centralia, Wis.
Champion Paper Co., Carthage, N. Y.
Cliff Paper Co., Niagara Falls, N. Y.
Combined Locks Paper Co. (Light Weight Catalog & Specialties), Combined Locks, Wis.
Consolidated Water Power & Paper Co., Grand Rapids, Wis.
Crown Willamette Paper Co., San Francisco, Cal.
Dells Paper & Pulp Co., Eau Claire, Wis.
Diana Paper Co., Watertown, N. Y.
Finch, Pruyn & Co. (Inc.), Glens Falls, N. Y.
Flambeau Paper Co., Park Falls, Wis.
Gilbert Frank Paper Co., Waterford, N. Y.
Gould Paper Co., Lyon Falls, N. Y.
Grandfather Falls Co., Merrill, Wis.
Great Northern Paper Co., 30 E 42d, N. Y.
Harmon Paper Co., Brownville, N. Y.
Hartje Paper Mfg. Co., Columbia Bank bldg, Pittsburgh, Pa.
Hawley Puly & Paper Co., Oregon City, Ore.
Hennepin Paper Co., Plymouth bldg, Minneapolis, Minn.
High Falls Pulp & Paper Co., Chateaugay, N. Y.
International Paper Co., 30 Broad, New York
Itasca Paper Co., Grand Rapids, Minn.
Kimberly-Clark Co., Neenah, Wis.
Lake Champlain Pulp & Paper Co., Plattsburg, N. Y.
Malone Paper Co., Malone, N. Y.
Mason-Perkins Paper Co., Bristol, N. H.
Menasha Paper Co., Ladysmith, Wis.
Minnesota & Ontario Power Co., Andrus bldg, Minneapolis, Minn.
New Haven Pulp & Board Co., New Haven, Conn.
Northwest Paper Co., Cloquet, Minn.
Ohio Box Board Co., 1390 E 30th, Cleveland, O.
Oswego Falls Pulp & Paper Co., Fulton, N. Y.
Outagamie Paper Co., Kaukauna, Wis.
Patten Paper Co. (Ltd.), Appleton, Wis.
Pejepscot Paper Co., 111 B'way, New York.
Pettebone-Cataract Paper Co., Niagara Falls, N. Y.
Remington Paper & Power Co., Watertown, N. Y.
Rhinelander Paper Co., Rhinelander, Wis.
St. Croix Paper Co., 244 Washington, Boston, Mass.
St. George Paper Co., Norwalk, Conn.
St. Regis Paper Co., Watertown, N. Y.
Schroon River Pulp & Paper Co., Warrensburg, N. Y.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Taggait's Paper Co., Watertown, N. Y.
Watab Pulp & Paper Co., Sartell, Minn.
West End Paper Co., Carthage, N. Y.
Wisconsin River Paper & Pulp Co., Neenah, Wis.

## Paper (Oiled)

See Paper (Insulating)

## 10694—Paper (Onion Skin)

Bryant Paper Co., Kalamazoo, Mich.
Dexter C. H. & Sons ("Star"), Windsor Locks, Conn.
Esleeck Mfg. Co., Turners Falls, Mass.
Hartford City Paper Co., Hartford City, Ind.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## 10695—Paper (Packing, Corrugated)

Agar Mfg. Co., 167 41st, Bklyn, N. Y.
American Tar Products Co., 208 S La Salle, Chicago, Ill.
Clark Paper Mfg. Co., Rochester, N. Y.
Gair Robt. Co., 50 Washington, Bklyn, N. Y.
Lawrence Paper Mfg. Co. ("Jayhawk"), Lawrence, Kans.
Nivison-Weiskopf Co., 318 Elm, Cincinnati, Ohio
Schmidt & Ault Paper Co., York, Pa.
Sefton Mfg. Corp., 1301 W 35th, Chicago, Ill.
Thompson & Norris Co., The, 212 Concord, Broklyn, N. Y.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N Y
*See adv index at end of book*

## 10696— Paper (Papeterie)

American Papeterie Co., Albany, N. Y.
Eastern Mfg. Co., Bangor, Me.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Hurd Geo. B. & Co., 425 Broome, New York
Murphy John A. Co., Springfield, Mass.
National Papeterie Co., Holyoke, Mass.
Powers Paper Co., Springfield, Mass.
Ward Marcus, Inc, Pearson & Creek, Long Island City, N Y
White & Wyckoff Mfg. Co., Holyoke, Mass.
Whiting & Cook, Inc., Holyoke, Mass.

## 10697— Paper (Parchment)

Bergstrom Paper Co., Neenah, Wis.
Brown L. L. Paper Co., Adams, Mass.
Crocker-McElwain Co., Holyoke, Mass.
Diamond State Fibre Co. (Vegetable), Bridgeport, Pa.
East Hartford Mfg. Co., Burnside, Conn.
Glen Mills Paper Co. (Vegetable), Stephen Girard bldg, Phila., Pa.
Hamersley Mfg. Co. (Imitation), 232 Greenwich, New York
Hartford City Paper Co. (Imitation), Hartford City, Ind.
Kalamazoo Vegetable Parchment Co. (Vegetable), Kalamazoo, Mich.
Paterson Parchment Paper Co. (Vegetable), Passaic, N. J.
Raquette River Paper Co., Potsdam, N. Y.
Taylor-Logan Co., Holyoke, Mass.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N Y
*See adv index at end of book*
Warren Parchment Co., Dexter, N. Y.
West Carrollton Parchment Co. ("Puritan" Vegetable, Printed & Plain), West Carrollton, O. (See Dayton)

## 10698— Paper (Pattern)

Case Mfg. Co., Unionville, Conn.
Diamond Mills Paper Co., 44 Murray, New York
Greene Paper Co., 5014 Market, Phila., Pa.
**HEWITT C. B. & BROS., INC.** (Jobbers), 20 Ferry, New York
*See adv index at end of book*
Hollingsworth & Vose Co., 141 Milk, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Lewis J. P. Co. (Black), Beaver Falls, N. Y.
Lincoln L. & Co., North Dighton, Mass.
Menasha Paper Co., Ladysmith, Wis.
Michigan Paper Co., Plainwell, Mich.
Mumford Paper Mills, Inc., Mumford, N. Y.
Niagara Paper Mills, Lockport, N. Y.
Schmidt & Ault Paper Co., York, Pa.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N Y
*See adv index at end of book*
Walsh Paper Co., Cuyahoga Falls, O.
West Jersey Paper Mfg. Co., Camden, N. J.

## 10699—Paper (Photographic)

American Photographic Paper Co., 2304 Washington, Boston, Mass.
Ansco Co. ("Cyko"), Binghamton, N. Y.
Cramer G. Dry Plate Co. ("Alpha"), Shenandoah & Lemp avs, St. Louis, Mo.
Defender Photo Supply Co. ("Argo"), Rochester, N. Y.
Eastman-Kodak Co., Rochester, N. Y.
Haloid Co., Rochester, N. Y.
Lewis J. L. ("Seltona"), 522 6th av, N. Y
Lewis J. P. Co., Beaver Falls, N. Y.
Machine Mfg. & Engineering Co., Council Bluffs, Ia.
Photo Products Co. ("Instanto"), 6100 S La Salle, Chicago, Ill.
Straight Dry Plate Co., Jamestown, N. Y.
Valley Paper Co., Holyoke, Mass.

## 10700—Paper (Playing Card)

Kimberly-Clark Co., Neenah, Wis.
Oglesby W. B. Paper Co., Middletown, O.

## 10701—Paper (Railroad Copying)

Dexter C. H. & Sons ("Star" White & Manila), Windsor Locks, Conn.
Greene Paper Co. (Yellow Tissue), 5014 Market, Phila., Pa.
Kimberly-Clark Co., Neenah, Wis.
Mann Wm. Co. ("American Railroad," "Answell," "Old Reliable Parchment Paper," "Shen-King"), 529 Market, Philadelphia, Pa.
Rainbow Paper Mills, Rainbow, Conn.
Whittelsey F. H. Co. (Yellow), Windsor Locks, Conn.

## 10702—Paper (Railroad Manifolding)

Hartford City Paper Co., Hartford City, Ind.
Reyburn Mfg. Co., 23d & Allegheny av, Philadelphia, Pa.
Whittelsey F. H. Co., Windsor Locks, Conn.

## 10703—Paper (Railroad Manila & Writing)

See also Paper, Writing

Bardeen Paper Co., Otsego, Mich.

PAPER (RAILROAD MANILA & WRITING)

Brownville Paper Co., Brownville, N. Y.
Everett Pulp & Paper Co., Everett, Wash.
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Moore & Thompson Paper Co., Bellows Falls, Vt.
New York & Penna. Co., 200 5th av, New York
Riverton Co., Riverton, Conn.
Robertson Paper Co., Bellows Falls, Vt.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
West Va. Pulp & Paper Co. (Writing), 200 5th av, New York

## 10704— Paper (Ribbon)

Wanague River Paper Co, 290 B'way, New York

## 10705—Paper (Roofing, Saturated)

See also Paper, Roofing, Sheathing & Building

Asphalt Roof Coating Co., Ltd., 10 E 43rd, New York
Asphalt Roofing Co., Saginaw, Mich.
Barber Asphalt Paxing Co. ("Genasco"), Land Title bldg, Phila., Pa.
Barrett Co., 17 Battery pl, New York
Bird & Son ("Neponset Paroid"), East Walpole, Mass.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Denver Gas & Electric Light Co., Denver, Colo.
Flinkote Co. ("Rex"), 88 Pearl, Boston, Mass.
Ford Roofing Products Co., 2339 La Salle, Chicago, Ill.
Johns-Manville H. W. Co., Madison av & 41st, New York
Kimberly-Clark Co., Neenah, Wis.
Lehon Co., 4451 W S Oakley av, Chicago, Ill.
National Roofing Co., Tonawanda, N. Y.
New England Felt Roofing Works, 101 Milk, Boston, Mass.
Safepack Mills ("Safekote"), 727 Atlantic av, Boston, Mass.
Standard Paint Co., 233 B'way, New York
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Vulcanite Roofing Co., 16th & Texas, San Francisco, Cal.
Western Roofing & Supply Co., 3611 Loomis, Chicago, Ill.
White A. H. Co., Ltd. ("Shellene"), Howard, Venus, Miro & Tonti, New Orleans, La.

## 10706—Paper (Roofing, Sheathing & Building)

See also Paper, Roofing Saturators

**Learn what firms in this list manufacture, read printed matter following their names**

Am Tar Products Co., 208 S La Salle, Chicago, Ill.
Aspromet Co. (Building), 1st National Bank bldg, Pittsburgh, Pa.
Andrews Jno. T. & Co. (Sheathing), Penn Yan, N. Y.
Asphalt Roof Coating Co., Ltd., 10 E 43rd, New York
**Barber Asphalt Paving Co. ("Genasco" Insulite), Land Title bldg, Philadelphia, Pa.**
Barnitz Geo. A., York, Pa.
Barrett Co. (Roofing Felt), 17 Battery pl, New York.
Beloit Box Board Co. (Roofing & Building), Beloit, Wis.
Bicking S. Austin Mfg. Co. (Rosin-Sized Sheathing), East Downingtown, Pa.
Bird & Son ("Neponset"), (Roofing, also Sheathing & Building), East Walpole, Mass.
Brown Co. ("Bermico"), Portland, Me.
Cabot Samuel (Inc.) ("Cabot's" Sheathing & Deadening Quilt), 141 Milk, Boston, Mass.
Cartier M. N. & Sons Co. ("Roger Williams"), 289 Canal, Providence, R. I.
Certain-teed Products Corp. (Building, Ready Roofing, Saturating & Deadening Felts, Red & Gray Rosin, Sized), Boatman's Bank bldg, St. Louis, Mo.
Chapman & Soden, 150 Oliver, Boston, Mass.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Chatfield Paper Co. (Roofing & Building), New Haven, Conn.
Chatfield & Woods Co. (Building), 3d & Plum, Cincinnati, O.
Diem & Wing Paper Co. (Roofing & Sheathing), Gilbert av, Cincinnati, O.
Dunton M. W. Co. (Red Paper), 150 Niagara, Providence, R. I.
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa. Works: Valley Forge Pa.
Federal [illegible]estos Co., Milwaukee, Wis.
Field & [illegible]te Co. ("Roofing & Building), 11[illegible] [illegible]ew York
Flemi[illegible] & Son (Roofing & Sheath[illegible] Dallas, Tex.
Flintkote Co. ("Rex" Black), 88 Pearl, Boston, Mass.
Ford Roofing Products Co., 2339 La Salle, Chicago, Ill.
Fox Paper Co. (Building & Sheathing), Lockland, O.
Graham Paper Co. (Building, Water Proof, Asbestos, etc., Jobbers, St. Louis, Mo.
**HEWITT C. B. & BROS., INC.** ("Oronoko" Jobbers), 20 Ferry, New York
***See adv index at end of book***


**C. B. HEWITT & BROS., Inc.**
**20 FERRY ST., NEW YORK**
***Manufacturers, Importers and Dealers***

**Paper** Pattern Papers, Detail and Tracing Papers, Flexible Papers for Leather Work, Backing Paper, Card Middles, Jute and Rope Manillas, Building and Roofing Papers, Wrapping Papers, Special Papers made to order.

**Boards** Binders Boards, Trunk and Case Boards, Friction Boards, Leather Boards, Fibre Boards, News and Press Boards, Box Boards, Straw Boards (Air and Steam Dried). A.B.C. Pattern Boards a specialty.

**Glues** Foreign and Domestic, Hide and Bone Glues, Sheet, Broken and Ground, for Cabinet and Piano Work (joint and veneer), Paper Making, Straw Hat and Fabric and Kalsomine Sizing, Bindery, Furniture and Box Makers' Glues.

**Gelatines** Capsule Manufacturers, Pharmaceutical Preparation Makers, Confectioners, Jelly and Preserve Manufacturers, etc.


Hollingsworth & Vose Co. (Red Rope Roofing), 141 Milk, Boston, Mass.
Hollywell Mills (Dry Roofing, also Building), Chambersburg, Pa.
Hydrex Felt & Engineering Co. (Waterproof Paper & Felt), 120 Liberty, New York
Igoe Brothers (Building), Canal & Lafayette, New York
*See adv index at end of book*
Johns-Manville H. W. Co. (Rosin Sized), Madison av & 41st, New York
Kingston Paper Co., Inc. (Saturating & Deadening Felts, Roofing & Building), Little Falls, N. Y.
Lafian Paper Co. (Sheathing), York, Pa.
Lang Jno. Paper Co. (Roofing & Saturating & Deadening Felts), 24th & Vine, Phila., Pa.
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
Lincoln L. & Co. (Sheathing), North Dighton, Mass.
Lockport Paper Co. (Roofing Felt, also Sheathing & Deadening), Lockport, N. Y.
Los Angeles Paper Mfg. Co. (Sheathing & Saturating & Deadening Felts), Los Angeles, Cal.
Mac-Sim-Bar Paper Co. (Saturating Roofing & Building), Otsego, Mich.
Mullen Bros. Paper Co. (Building & Sheathing), St. Joseph, Mich.
Munroe Felt & Paper Co. (Roofing), 79 Summer, Boston, Mass.
Nelson B. F. Mfg. Co. (Roofing, also Building), Minneapolis, Minn.
Newton Paper Co. ("Elephant Brand" Red Rosin Sized Sheathing), Holyoke, Mass.
Paraffine Companies, Inc., California Paper & Board Mills Div. (Sheating), San Francisco, Cal.
Richardson Paper Co. (Roofing), Wyoming & Cooper avs. Lockland, O.
Roberts Jno. & Son Co. (Asbestos, Sheathing, etc), Waltham, Mass.
Safepack Mills ("Safekote"), 727 Atlantic av, Boston, Mass.
Schmidt & Ault Paper Co. ("Codorus" Sheathing), York, Pa.
Simplex Paper Co. (Sheathing), Palmyra, Mich.
Union Insulating & Construction Co., 20 W Jackson blvd, Chicago, Ill.
*See adv index at end of book*
Union Mills Paper Mfg. Co. (Building), New Hope, Pa.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
United Roofing & Mfg. Co., Morris bldg, Phila., Pa.
Wall J. F. & Son (Sheathing, Roofing & Waterproof Building), Walpole, Mass.
Watson H. F. Co., Erie, Pa.
York Haven Paper Co. (Roofing & Waterproof Building; also Prepared Roofing Paper), Land Title bldg, Phila., Pa.

## 10707— Paper (Rope)

Adams Bag Co., 1900 Euclid av, Cleveland, O.
American Writing Paper Co., Holyoke, Mass.
Baeder-Adamson Co., Richmond & Allegheny, Phila., Pa.
Bicking Paper Co., 111 N 2nd, Philadelphia, Pa.
Case Mfg. Co., Unionville, Conn.
Case & Marshall, Hartford, Conn.
Cleveland-Akron Bag Co., Cleveland, O.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Eureka Paper Co., 265 W B'way, New York
George & Sherrard Paper Co., Wellsburg, W. Va.
Globe Paper Box Co. (Also Fibre & Kraft Papers), 223 W Huron, Chicago, Ill.
Harvey Paper Co., Wellsburg, W. Va.
**HEWITT C. B. & BROS. INC.** (Jobbers), 20 Ferry, New York
***See adv index at end of book***
Hollingsworth & Vose Co., 141 Milk, Boston, Mass.
Jaite Co., Jaite, O.
Manning John A. Paper Co., Troy, N. Y.
Marseilles Wrapping Paper Co., Marseilles, Ill.
Newton Paper Co., Holyoke, Mass.
Phillips Thos. Co. (Pure Rope Papers & Colored Rope Specialties), Akron, O.
Reading Paper Mills, Reading, Pa.
Sorg Paul A. Paper Co., Middletown, O.
Taggart Bros. Co., Watertown, N. Y.
Tarentum Paper Mills, 2nd National Bank bldg, Pittsburgh, Pa.
Union Mills Paper Mfg. Co. (Pure Rope Papers & Colored Rope Specialties), New Hope, Pa.
Valve Bag Co. of America, 3431 Summit av, Toledo, Ohio
*See adv index at end of book*
Wardlow-Thomas Paper Co., Middletown, O.
Warren Mfg. Co., 233 B'way, New York
West Jersey Paper Mfg. Co., Camden, N. J.

## 10708— Paper (Sack)

Cleveland-Akron Bag Co., Cleveland, O.
Hollingsworth & Vose Co., 141 Milk, Boston, Mass.
Hults Elsworth A., Inc., 218 Walnut, Phila., Pa.
Newton Falls Paper Co., Watertown, N. Y.
Orono Pulp & Paper Co., Bangor, Me.
Schorsch & Co., 500 E 133d, New York

## Paper (Sand)

See Paper, Flint, Sand & Emery

## 10709— Paper (Screening)

Fox Paper Co., Lockland, O.
Hoboken Paper Mill Co., Hoboken, N. J.
Marcellus Paper Co., Syracuse, N. Y.
Onondaga Paper Co., Marcellus Falls, N.Y.
Parsons Pulp & Lumber Co., Finance bldg, Philadelphia, Pa.
Schmidt & Ault Paper Co., York, Pa.

## 10710—Paper (Silver Tissue)

Dexter C. H. & Sons ("Star" Grass Bleached), Windsor Locks, Conn.
Stratford Paper Co. (Grass Bleached), 170 Cornelison av, Jersey City, N. J.
Whittelsey F. H. Co. (Grass Bleached), Windsor Locks, Conn.

## 10711—Paper (Soap Wrapping)

Hartford City Paper Co., Hartford City, Ind.
Tuttle Press Co., Appleton, Wis.
Whitaker Paper Co., Eggleston av, 6th & Lock, Cincinnati, O.

## 10712— Paper (Starch)

Walsh Paper Co., Cuyahoga Falls, O.

## 10713— Paper (Stencil)

Bradley A. J. Mfg. Co. (Oil), 101 Beekman, New York
*See adv index at end of book*
**HEWITT C. B. & BROS. INC.** (Jobbers), 20 Ferry, New York
*See adv index at end of book*
Ideal Stencil Machine Co., Belleville, Ill.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## 10714—Paper (Stereotyping)

Parker Jos. & Son Co., New Haven, Conn.

## 10714a*—Paper Stock (Special)

**MENDELSON BROS. PAPER STOCK CO.**, 910 S Michigan av, Chicago, Ill.

## 10715— Paper (Straw)

Coshocton Straw Paper Co. (For Corrugating Purposes, Coshocton, O.
Hagar Straw Board & Paper Co., Xenia, O.
Heffernan Jas. P. Paper Co., 25 Water, New York

## 10716—Paper (Surface Coated)

Bardeen Paper Co., Otsego, Mich
Bryant Paper Co., Kalamazoo, Mich.
Champion Coated Paper Co., Hamilton, O.
Cleveland-Akron Bag Co., Cleveland, O.
Franklin Coated Paper Co., Franklin, O.
Hampden Glazed Paper & Card Co., Holyoke, Mass.
Merrimac Paper Co., Lawrence, Mass.
National Coated Paper Corp., Pawtucket, R. I.
Paper Goods Mfg. Co., 925 Pennsylvania av, Pittsburgh, Pa.
Riverview Coated Paper Co., Kalamazoo, Mich.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Walther & Co., 72 Duane, New York
Watervliet Paper Co., Watervliet, Mich.
West Va. Pulp & Paper Co., 200 5th av, New York

## 10717— Paper (Tag)

Cherry River Paper Co. (Manila), Pennsylvania bldg, Phila., Pa.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Hollingsworth & Vose Co., 141 Milk, Boston, Mass.
Marathon Paper Mills Co., Rothschild, Wis.
Monroe Bridge Paper Co. (Manila Tag Board), Monroe Bridge, Mass.
National Coated Paper Corp., Pawtucket, R. I.

## 10718— Paper (Ticket)

Monfoe Bridge Paper Co. (Roll), Monroe Bridge, Mass.

## 10719— Paper (Tissue)

Adams Paper Co. (Manila & Anti-Tarnish), Wells River, Vt.
Ancram Paper Mills, 150 W 22d, New York
Angel H. Reeve & Co., Inc. (Japanese), 7 Spruce, New York.
Ashuelot Paper Co., Hinsdale, N. H.
Blossvale Paper Co., Blossvale, N. Y.
Carthage Tissue Paper Mills (Packages & Rolls), Carthage, N. Y.
Clayville Paper Mills Co., Clayville, N. Y.
Cole W. A. Paper Co. (Manila), Putney, Vt.
Consumers' Box Board & Paper Co. (Rolls Only), Lititz, Pa.
Continental Paper Bag Co. (Manila, White & Colored Crash), 18 E 40th, New York
Crown Willamette Paper Co., San Francisco, Cal.
Crystal Paper Co., Middletown, O.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Dexter C. H. & Sons ("Star," White & Colored), Windsor Locks, Conn.
Diamond Mills Paper Co., 44 Murray, New York
Erving Paper Mills (Specialties), Erving, Mass.
Fisk Paper Co. (White & Manila), Hinsdale, N. H.
Flambeau Paper Co., Park Falls, Wis.
Flower City Tissue Mills Co., Rochester, N. Y.
Garrett Edwin, Chester, Pa.
Greene Paper Co. (Pure Jute Manila), 5014 Market, Phila., Pa.
Hoberg John Co., Green Bay, Wis.
Hoffman R. S. Co., Baldwinsville, N. Y.
Ingersoll Paper Co., Troy, N. Y.
Kimberly-Clark Co., Neenah, Wis.
Lake Champlain Pulp & Paper Co., Plattsburg, N. Y.
Lawless Paper Co., Rochester, N. Y.
Le Fevre Edward Y., Fallsburgh, N. Y.
Little Falls Paper Co., Newburgh, N. Y.
McIntyre Bros. Paper Co., Inc., Fayetteville, N. Y.
Mumford Paper Mills, Inc. (Manila), Mumford, N. Y.
North End Paper Co., Fulton, N. Y.
Onondaga Paper Co., Marcellus Falls, N.Y.
Orono Pulp & Paper Co., Bangor, Me.
Phoenix Toilet & Paper Mfg. Co., Phoenix, N. Y.
Pioneer Paper Co., Ballston Spa, N. Y.
Rainbow Paper Mills, Rainbow, Conn.
Ralston W. & Co., Inc. (Waxed), Niagara Falls, N. Y.
Robertson Bros. (Manila, White & Colored, in Rolls), Hinsdale, N. H.
Robertson E. C. & Son (Manila, White & Colored, in Rolls & Large Sheets), Hinsdale, N. H.
Robertson G. A. & Co. (Manila), Hinsdale, N. H.
Robertson Paper Co., Bellows Falls, Vt
Robertson's Wm. Sons (White & Colored), Putney, Vt.
Savage Mfg. Co., Skowhegan, Me.
Scott Paper Co., Chester, Pa.
Smith Paper Co. (Also Roll), Lee, Mass.
Sorg Paul A. Paper Co., Middletown, O.
Sweet Bros. Paper Mfg. Co., Phoenix, N. Y.
Thilmany Pulp & Paper Co., Wisconsin Tissue Div, Appleton, Wis.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Union Waxed & Parchment Paper Co., 45 Cedar, New York
Victoria Mills Paper Co. (Also Roll), Fulton, N. Y.
White Springs Paper Co., Nutley, N. J.
Whittelsey F. H. Co. (White & Grass Bleached), Windsor Locks, Conn.

## 10720—Paper (Tissue, Manila)

Adams A. L. Paper Co. (In Rolls for Toilet Paper, Baldwinsville, Mass.
Adams Paper Co., Wells River, Vt.
Ancran Paper Mills, 150 W 22d, New York
Blossvale Paper Co., Blossvale, N. Y.
Carthage Tissue Paper Mills, Carthage, N. Y.
Cole W. A. Paper Co., Putney, Vt.
Continental Paper Bag Co., 18 E 40th,
Coy Paper Co., West Claremont, N. H.
Crescent Paper & Machine Co., Phoenix, N. Y.
Crystal Paper Co., Middletown, O.
Fisk Paper Co. (Inc.), Hinsdale, N. H.
Gandey W. H. (Est. of), Lambertville, N. J.
Garrett E., Chester, Pa.
Garrett E. T. Co., Lansdowne, Pa.
Hoberg John Co., Green Bay, Wis.
Hoffman R. S. Co. Baldwinsville, N. Y.
Ingersoll Paper Co., Troy, N. Y.
Jarvis Paper Mills, West Claremont, N. H.
Lawless Paper Co., Rochester, N. Y.
Little Falls Paper Co., Newburgh, N. Y.
Mason-Perkins Paper Co., Bristol, N. H.
Moyer & Pratt, Lyons Falls, N. Y.
Mumford Paper Mills, Inc., Mumford, N. Y.
North End Paper Co., Fulton, N. Y.
Northern Paper Mills, Green Bay, Wis.
Onondaga Paper Co., Marcellus Falls, N. Y.
Oswego River Paper Mills, Phoenix, N. Y.
Pequannock Valley Paper Co., Butler, N. J.
Robertson Bros., Hinsdale, N. H.
Robertson E. C. & Son, Hinsdale, N. H.
Robertson G. A. & Co., Hinsdale, N. H.
Robertson Paper Co., Bellows Falls, Vt.
Stevens & Thompson, North Hoosick, N. Y.
Sweet Bros. Paper Mfg. Co., Phoenix, N. Y.
Victoria Paper Mills Co., Fulton, N. Y.
Whittelsey F. H. Co., Windsor Locks, Conn.

## 10721—Paper (Tissue, Oiled)

Whittelsey F. H. Co., Windsor Locks, Conn.

## 10722—Paper (Tissue, White & Colored)

Ancran Paper Mills, 150 W 22d, New York
Ashland Paper Co. (Colors), Ashland, Wis.
Ashuelot Paper Co. (White), Hinsdale, N. H.
Blossvale Paper Co., Blossvale, N. Y.
Carthage Tissue Paper Mills, Carthage, N. Y.
Continental Paper Bag Co., 18 E 40th, New York
Crystal Paper Co., Middletown, O.
Dexter C. H. & Sons, Windsor Locks, Conn.
Fisk Paper Co. (Inc.), (White), Hinsdale, N. H.
Flower City Tissue Mills Co. (Light Weight), Rochester, N. Y.
Hoberg John Co., Green Bay, Wis.
Hoffman R. S. Co. Nos. 1 & 2 (White) Baldwinsville, N. Y.
Kimberly-Clark Co., Neenah, Wis.
Little Falls Paper Co., Newburgh, N. Y.
Moyer & Pratt (White), Lyons Falls, N. Y.
North End Paper Co. (Nos. 1 & 2 White), Fulton, N. Y.
Onondaga Paper Co. (White), Marcellus Falls, N. Y.
Pioneer Paper Co., Ballston Spa, N. Y.
Riverton Co., Riverton, Conn.
Robertson Bros. (Roll), Hinsdale, N. H.
Robertson E. C. & Son, Hinsdale, N. H.
Robertson's Wm. Sons, Putney, Vt.
Smith Paper Co., Lee, Mass.
Stratford Paper Co., 170 Cornelison av, Jersey City, N. J.
Sweet Bros. Paper Mfg. Co., Phoenix, N. Y.
Three Rivers Paper Co. (No. 2 White), Phoenix, N. Y.
Tuttle Press Co., Appleton, Wis.
Victoria Paper Mills Co. (White, Sheets & Rolls), Fulton, N. Y.

## 10723— Paper (Tobacco)

Kimberly-Clark Co., Neenah, Wis.
Walsh Paper Co., Cuyahoga Falls, O.

## 10724— Paper (Toilet)

A. P. W. Paper Co. (Roll & Package), Albany, N. Y.
Adams A. L. Paper Co., Baldwinsville, Mass.
Adams Paper Co., Wells River, Vt.
Carthage Tissue Paper Mills (Tissue), Carthage, N. Y.
Cole W. A. Paper Co. ("Eagle Mills"), Putney, Vt.
Continental Paper Bag Co., 18 E 40th, New York
Crescent Paper & Machine Co., Phoenix, N. Y.
Crunden-Martin Mfg. Co. (Roll & Package), 2d & Gratiot, St. Louis, Mo.
Ewing H. Norwood Co. (Roll), Woolworth bldg, New York.
Fisk Paper Co. (Package), Hinsdale, N. H.
Handifold Toilet Paper Co., Leominster, Mass.
Hoberg Jno. Co. (Roll & Package Tissue), Green Bay, Wis.
Hoffman R. S. Co. Baldwinsville, N. Y.
Hults Elsworth H., Inc., 218 Walnut, Phila. Pa.

PAPER (TOILET)—continued

Ingersoll Paper Co., Troy, N. Y.
Jerome Paper Co., 314 W 53d, New Yorw
Johnson Geo. T. Co., 76 Batterymarch, Boston, Mass.
Kimberly-Clark Co., Neenah, Wis.
Morgan Envelope Co., Springfield, Mass.
Mumford Paper Mills Inc., Mumford, N. Y.
Northern Paper Mills (Tissue, Automatic Toilet Service, "Northern," Roll & Oval), Green Bay, Wis.
Oswego River Paper Mills (Package & Roll), Phoenix, N. Y.
Paper Goods Mfg. Co., 925 Pennsylvania av, Pittsburgh, Pa.
Paper Novelty Co., Green Bay, Wis.
Paper Service Co., Hinsdale, N. H.
Peerless Mfg. Co., Norristown, Pa.
Phoenix Toilet & Paper Mfg. Co. (Tissue), Phoenix, N. Y.
Premier Paper Co., 260 W B'way, New York
Progressive Paper Products Co., 238 4th av, Pittsburgh, Pa.
Robertson G. A. & Co. (Rolls & Sheets), Hinsdale, N. H.
St. Louis Tissue & Mfg. Co., 3417 Chouteau av, St. Louis, Mo.
Sauquoit Toilet Paper Co., New Hartford, N. Y.
Scott Paper Co., Chester, Pa.
Three Rivers Paper Co., Phoenix, N. Y.
Tuttle Press Co., Appleton, Wis.
**UNION PAPER & TWINE CO., ("Miusa"),** 125 St. Clair av N W, Cleveland, O, & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
United States Paper Mills, Chambersburg, Pa.
Victoria Paper Mills Co. (In Rolls & Packages), Fulton, N. Y.
Wortendyke Mfg. Co., Richmond, Va.
*See adv index at end of book*

TOILET PAPERS
PAPER TOWELS
PAPER BAGS
PAPER TWINES
All Sizes and Kinds
WORTENDYKE MFG. CO.
Richmond, Va.

## Paper (Tracing)

See Tracing Cloth & Paper

### 10724a—Paper (Trade Mark)

Acme Paper Co. 52 Elizabeth, New York

### 10725— Paper (Train Order)

Whittlesey F. H. Co., Windsor Locks, Conn.

### 10726—Paper (Transfer Graining)

Majert Emil Co. ("Kalligraine"), 9 E 37th, New York

### 10727— Paper (Translucent)

Bardeen Paper Co., Otsego, Mich.
Riverview Coated Paper Co., Kalamazoo, Mich.

### 10727a— Paper (Tumeric)

Cooper Chas. & Co., 194 Worth, New York

### 10728— Paper (Typewriter)

See also Paper, Writing, Manufacturers
American Writing Paper Co., Holyoke, Mass.
Carew Mfg. Co., South Hadley Falls, Mass.
Dexter C. H. & Sons (Thin), Windsor Locks, Conn.
Diamond Mills Paper Co., 44 Murray, New York
Eaton, Crane & Pike Co. ("Crane," "Berkshire"), Pittsfield, Mass.
Esleeck Mfg. Co., Turners Falls, Mass.
Fox River Paper Co., Appleton, Wis.
Hampshire Paper Co. ("Old Hampshire Bond"), So. Hadley Falls, Mass.
Kimberly-Clark Co., Neenah, Wis.
Mumford Paper Mills, Inc. Mumford, N. Y.
Smith Paper Co., Lee, Mass.
Strathmore Paper Co., Mittineague, Mass.
**UNION PAPER & TWINE CO.,** 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Whittelsey F. H. Co., Windsor Locks, Conn.

### 10729—Paper (Water Proof)

Brown Co. ("Wax & Kraft"), Portland, Me.
Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Case & Marshall, Hartford, Conn.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Cleveland Waterproof Paper Co., Cleveland, O.
Federal Asbestos Co., Milwaukee, Wis.
Flinkote Co. ("Rex" Black), 88 Pearl, Boston, Mass.
Hollingsworth & Whitney Co. ("Dux de Lux"), 185 Devonshire, Boston, Mass.
Keystone Roofing Mfg. Co. (For Case Lining & Wrapping), York, Pa.
Kimberly-Clark Co., Neenah, Wis.
National Waterproofing Co., Drexel bldg, Phila., Pa.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Ralston W. & Co., Inc. ("Drypack" Duplex, Cloth Lined), Niagara Falls, N.Y.
Safepack Mills ("Safepack"), 727 Atlantic av, Boston, Mass.
**UNION PAPER & TWINE CO.** (Cloth Lined), 125 St. Clair av N W, Cleveland, O. & 538 Brisbane bldg, Buffalo, N. Y. *See adv index at end of book*
Watson H. F. Co., Erie, Pa.

### 10730—Paper (Waxed or Paraffine)

Bennington Wax Paper Co., Bennington, Vt.
Cleveland Waterproof Paper Co., Cleveland, O.
Hamersley Mfg. Co., 232 Greenwich, New York
Hoffman R. S. Co., Baldwinsville, N. Y.
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
Japanese Tissue Mills, Holyoke, Mass.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.
Menasha Printing & Carton Co., Menasha, Wis.
National Waterproofing Co., Drexel bldg, Phila., Pa.
National Wax & Paper Mfg. Co., 203 37th, Brooklyn, N. Y.
Newark Paraffine & Parchment Paper Co., 90 West, New York
Ohio Wax Paper & Printing Co., Columbus, O.
Orono Pulp & Paper Co., Bangor, Me.
Paper Goods Mfg. Co., 925 Pennsylvania av, Pittsburgh, Pa.
Ralston W. & Co., Inc. (Waxed), Niagara Falls, N. Y.
Robertson Paper Co., Bellows Falls, Vt.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Sterling Waxed Paper Mfg. Co., 245 South, Newark, N. J.
**UNION PAPER & TWINE CO.** (Wax), 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Union Waxed & Parchment Paper Co., Hamburg, N. J.
Waterproof Paper & Board Co., 427 E 6th, Cincinnati, O.
West Carrollton Parchment Co. ("Puritan" Printed & Plain), West Carrollton, Ohio
Wolverine Paper Co., Otsego, Mich.

### 10731—Paper Weights (Glass)

Canton Glass Co., Marion, Ind.
Cruver Mfg. Co., 2456 W Jackson blvd, Chicago, Ill.
Smith L. E. Glass Co., Mt. Pleasant, Pa.
Sneath Glass Co., Hartford City, Ind.

### 10732—Paper (White Print)

Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Kimberly-Clark Co., Neenah, Wis.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.

### 10733— Paper (Wrapping)

American Straw Board Co., B'way & 42d, New York
Andrews John T. & Co., Penn Yan, N. Y.
Angier Mills (Waterproof Cloth Lined), Ashland, Mass.
Ashland Paper Co. (Fruit), Ashland, Wis.
Badger Bag & Paper Co., 3787 S Ashland av, Chicago, Ill.
Bardeen Paper Co. (Rag), Otsego, Mich.
Barnes Paper Mills, Rochester, Mich.
Bedford Pulp & Paper Co., Richmond, Va.
Bicking S. Austin Mfg. Co., East Downington, Pa.
Bird & Son (Hardware), East Walpole, Mass.
Brown Co., Portland, Me.
Carolina Fibre Co. (Colored), Hartsville, S. C.
Central Box Board Co., 43d & Racine av, Chicago, Ill.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Continental Paper Bag Co. (Manila, Fibre & Coated), 18 E 40th, New York
Crown Willamette Paper Co., San Francisco, Cal.
Cushnoc Paper Co., Augusta, Me.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Dexter Sulphite Pulp & Paper Co., Dexter, N. Y.
Earl M. J., Reading, Pa.
Fleming John G. & Son, Dallas, Tex.
Fox Paper Co., Lockland, O.
Hartje Paper Mfg. Co., Columbia Bank bldg, Pittsburgh, Pa.
Hawley Pulp & Paper Co., Oregon City, Ore.
**HEWITT C. B. & BROS. INC.** (Jobbers), 20 Ferry, New York
*See adv index at end of book*
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
Humphrey & Young (Light & Heavy Bogus), Napanoch, N. Y.
International Paper Co., 30 Broad, New York
Kimberly-Clark Co., Neenah, Wis.
La Salle Paper Co., South Bend, Ind.
Lockport Paper Co., Lockport, N. Y.
Los Angeles Paper Mfg. Co., Los Angeles, Cal.
McDowell Paper Mills, Main & Levering, Philadelphia, Pa.
Marathon Paper Mills Co. (Fibre), Rothschild, Wis.
Marcellus Paper Co., Syracuse, N. Y.
Moore & Thompson Paper Co., Bellows Falls, Vt.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Newton Paper Co. ("Elephant," "Tiger," "National" & "Seal" Manila Duplex), Holyoke, Mass.
Niagara Paper Mills (Watermarked), Lockport, N. Y.
Niles Board & Paper Co., Niles, Mich.
Orono Pulp & Paper Co., Bangor, Me.
Oxford Paper Co., 200 5th av, New York
Pejepscot Paper Co., 111 B'way, New York.
Raquette River Paper Co. (Manila & Fibre), Potsdam, N. Y.
Ravenswood Paper Mill Co., Ravenswood, L. I., N. Y.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
Richmond Robt. P., Valatie, N. Y.
Roberts John & Son Co., Waltham, Mass.
Robertson C. M. Co. (Bogus), Montville, Conn.
Robertson's Wm. Sons (Tissue, for Fruit & Bottles), Putney, Vt.
Safepack Mills, 727 Atlantic av, Boston, Mass.
Schmidt & Ault Paper Co., York, Pa.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Smith Paper Co., Lee, Mass.
Southern Fibre Co. ("Kraft"), Portsmouth, Va.
Tarentum Paper Mills, 2d National Bank bldg, Pittsburgh, Pa.
Thilmany Pulp & Paper Co., Kaukauna, Wis.
Tuttle Press Co. (Soap), Appleton, Wis.
Union Bag & Paper Corp., 233 B'way, New York.

**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*
Van de Carr Paper Co. (Bogus), Stockport, N. Y.
Wall J. F. & Son, Walpole, Mass.
Walton D. S. & Co. ("Swedish Kraft"), 132 Franklin, New York
Whitaker Paper Co., Eggleston av, 6th & Lock, Cincinnati, O.
Wolf River Paper & Fiber Co., Shawano, Wis.
Yellow Pine Paper Mill Co. (Soda Fibre), Orange, Tex.
York Haven Paper Co., Land Title bldg., Phila., Pa.

## 10734—Paper (Wrapping, in Rolls)

Brown Co., Portland, Me.
Chatfield & Woods Co., 3rd & Plum, Cincinnati, O.
Fox Paper Co., Lockland, O.
**HEWITT C. B. & BROS. INC.** (Jobbers), 20 Ferry, New York
*See adv index at end of book*
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
New York Roll Wrapping Paper Co. "Hopking," "Simplex"), 84 Beekman, New York
Perry Chas. E. Co., 77 Washington, N, Boston, Mass.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
**UNION PAPER & TWINE CO.**, 125 St. Clair av N W, Cleveland, O., & 538 Brisbane bldg., Buffalo, N. Y.
*See adv index at end of book*

## 10735—Paper (Wrapping, Rag)

Bardeen Paper Co., Otsego, Mich.
Brown Paper Co., Ft. Madison, Ia.
Central Box Board Co., 43rd & Racine av, Chicago,, Ill.
Clinton Paper Co., Clinton, Ia.
Fairfield Paper Co., Baltimore, O.
Fleming John G. & Son, Dallas, Tex.
Fox Paper Co., Lockland, O.
Kieffer Paper Co., Ewing, Ind.
Marseilles Wrapping Paper Co., Marseilles, Ill.
Mitchell & Son Co. (Wholesale), Palmyra, Mich.
Mitchell & Son Co., Palmyra, Mich.
Monroe Paper Co., Monroe, Mich.
Munroe Falls Paper Co., Massillon, O.
Richardson Paper Co., Wyoming & Cooper avs, Lockland, O.
Schmidt & Ault Paper Co., York, Pa.
Terre Haute Paper Co., Terre Haute, Ind.
Van de Carr Paper Co., Stockport, N. Y.

## 10736—Paper (Wrapping, Straw)

American Straw Board Co., B'way & 42d, New York
Brown Paper Co., Fort Madison, Ia.
Carlyle Paper Co., Caryle, Ill.
Clinton Paper Co., Clinton Ia.
Fox Wm. H. & Sons, Penn Yan, N. Y.
Hagar Straw Board & Paper Co., Xenia, O.
Lebanon Paper Co., San Francisco, Cal.
Massillon Paper Co., Massillon, O.
Monroe Paper Co., Monroe, Mich.
Munroe Falls Paper Co., Massillon, O.
Richmond Robert P., Valatie, N. Y.
Rockford Paper Mills, Rockford, Ill.
Terre Haute Paper Co., Terre Haute, Ind.
Van de Carr Paper Co., Stockport, N. Y.

## 10737— Paper (Writing)

See also Paper, Railroad Manila & Writing
American Papeterie Co., Albany, N. Y.
American Writing Paper Co., Holyoke Mass.
Angel H. Reeve & Co., Inc. (Selling Agents), 7 Spruce, New York.
Bardeen Paper Co., Otsego, Mich.
Beckett Paper Co., Hamilton, O.
Bryant Paper Co., Kalamazoo, Mich.
Carew Mfg. Co., South Hadley Falls Mass
Chapin & Gould Paper Co., Springfield Mass.
Chemical Paper Mfg. Co., Holyoke, Mass
Collins Mfg. Co., N Wilbraham, Mass.
Columbian Paper Co., Buena Vista, Va.
Crane Bros., Westfield, Mass.
Crane Z. & W. M., Dalton, Mass.
Crane & Co., Dalton, Mass.
Crocker, Burbank & Co., Fitchburg, Mass
Crocker-McElwain Co., Holyoke, Mass.
Curtis & Bro., Newark, Del.
Cushnoc Paper Co., Augusta, Me.
East Hartford Mfg. Co., Burnside, Conn.
Eastern Mfg. Co. (Linen Finished), Bangor, Me.
Eaton, Crane & Pike Co., Pittsfield, Mass.
Essex Pad & Paper Co., Holyoke, Mass.
Everett Pulp & Paper Co., Everett, Wash.
Fox River Paper Co., Appleton, Wis.
Gilbert Paper Co., Menasha, Wis.
Glatfelter P. H. Co., Spring Grove, Pa.
Hamilton W. C. & Sons, William Penn Pa.
Hammermill Paper Co., Erie, Pa.
Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
Howard Paper Co., Urbana, O.
Hurd Geo. B., 425 Broome, New York
Kalamazoo Paper Co., Kalamazoo, Mich.
Keith Paper Co., Turners Falls, Mass.
Kimberly-Clark Co., Neenah, Wis.
King Paper Co., Kalamazoo, Mich.
Lee Paper Co., Vicksburg, Mich.
Mead Pulp & Paper Co., Dayton, O.
Merrimac Paper Co., Lawrence, Mass.
Mountain Mill Paper Co., Lee, Mass.
Nashua River Paper Co., Pepperell, Mass.
N. Y. & Pennsylvania Co.,, 200 5th av, New York
Oglesby W. B. Paper Co. ("Antique Club"), Middletown, O.
Old Berkshire Mills Co., Dalton, Mass.
Peninsular Paper Co., Ypsilanti, Mich.
Poland Paper Co., Mechanic Falls, Me.
Powers Paper Co., Springfield, Mass.
Seaman Paper Co., 208 S La Salle, Chicago, Ill.
Taylor-Atkins Paper Co., Burnside, Conn.
**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bld., Buffalo, N. Y.
*See adv index at end of book*
Ward Marcus, Inc., Pearson & Creek, Long Island City, N. Y.
Watervliet Paper Co., Watervliet, Mich.
West Virginia Pulp & Paper Co., 200 5th av, New York. Mills: Davis, W. Va.
Whiting George A. Paper Co., Menasha, Wis.
Whiting Paper Co., Holyoke, Mass.
Whiting-Plover Paper Co., Stevens Point, Wis.

## 10738— Paper & Pulp Mills

Star (*) Indicates Wood Pulp Mills
If the Main Office is not located at the Mill, the location of same follows after the Name

### CALIFORNIA.

ANTIOCH—California Paper & Board Mills (Straw Board, Deadening Felts, Tag Board, etc). Office: San Francisco, Cal.
LOS ANGELES—Los Angeles Paper Mfg. Co. (Box Board, Sheathing, Deadening Felts & Wrapping)
Southern Board & Paper Mills (Box Board)
SAN FRANCISCO—Crown Willamette Paper Co. (Manila, News, Express, Bag, Fruit, Kraft, Wrapping & Tissue also Ground Wood, Sulphite & Kraft Fibres). Mills: Oregon City, Ore.
Paraffine Companies, Inc., California Paper & Board Mills Div. (Straw Board, Tag Board), Mills Antioch, Cal. *See adv index at end of book*

### CONNECTICUT.

ANDOVER—Case Board Co. (Leather Board & Specialties)
BRIDGEPORT—Tait & Sons Paper Co. (Box Board)
BURNSIDE — Case & Marshall. Office: Hartford, Conn.
East Hartford Mfg. Co. (Bonds, Linens, Parchment, Folding, Writing, etc)
Taylor-Atkins Paper Co. (Bonds, Linens, Vellums & Writing)
DANBURY—Beaver Brook Paper Mills (Mill Wrappers, etc.)
EAST HAMPTON—Brown Howerd Curtis (Estate) (Card Middles, Coating & Lithograph Papers)
GLASTONBURY—Naubuc Paper Co. (Box Cloth, Button, Leather, Mill, Trunk & Wrapping Boards)
Riverside Paper Mfg. Co. (Binders Board, etc)
HARTFORD — Case & Marshall (Rope, Board, Water Proof, Papers, etc), Mills: Burnside, Conn.
Hartford Board Co. (Binders' Leather & Straw Board)
Hartford Paper Co. (Book, Cologne, French Folio & Colored Papers), Mills, Poquonock, Conn.
HIGHLAND PARK—Case Bros. (Press Board, Jacquard Cards, Insulating Board, etc)
HOP RIVER—Holland Leather Board Co. (Leather Board & Specialties)
MANCHESTER—American Writing Paper Co. (Writing Specialties in Paper, Fine Book, Cover & Plate Papers). Office: Holyoke, Mass.
Case A. Willard Co. (Imitation Press & Decorated Boards & Cover Papers, Poster & Mat Boards & Specialties)
Colonial Board Co. (Binders Board)
Foulds Wm. Co. (Button, Straw, Binders & Leather Board)
Lydall & Foulds Paper Co. (Chipped Plain & Mill Lined Straw Board)
MONTVILLE—Keyes Products Co. (Refined Wood). Office: New York City
Robertson C. M. Co. (Bogus Wrapping Anti-Tarnish, Folding Box Boards, etc.)
Thames River Specialties Co. (Card Middles, Lithographing, Carton, etc)
NEW HAVEN—New Haven Pulp & Board Co. (Manila & White Folding Box Boards, News, etc)
Parker Jos. & Son Co. (Blotting)
NORTH WESTCHESTER—Norton C. H. (Binders, Box Shoe & Trunk Board)
NORWICH—American Straw Board Co. (Box Board & Card Middles)
ONECO—Case & Risley Press Paper Co. (Rag Press Papers in All Colors & Hand Finished Boards)
POQUONOCK—Hartford Paper Co. (Book, Catalogue, French Folio & Colored Papers). Office: Hartford, Conn.
RAINBOW—Rainbow Paper Mills (Richard R. Vernon, Prop.) (R. R., Impression Paper, Tissue & Copying)
RIVERTON—Riverton Co. (Yellow Railroad Copying & Oil Tissue)
SCITICO—Stowe J. D. & Sons (Leather Boards)
SEYMOUR—Beach S. Y. Paper Co. (Colored Specialties)
SOUTH COVENTRY—South Coventry Paper Co. (Binders', Box & Leather Boards)
SOUTHFORD — Diamond Match Co. (Binders' Straw, Album & Manila Board). Office: Chicago, Ill.
SOUTH GLASTONBURY—Wasuc Mills Co. (Binders, Straw, Album & Leather Board & Specialties)
SOUTH MANCHESTER—Brookside Paper Co. (Binders, Album & Trunk Board)
Case Bros. (Press Board, Jacquard Cards, Insulating Boards, etc)
Rogers Paper Mfg. Co. (Press, Insulating, Jacquard, Shield & Leather Boards)
UNCASVILLE—Thames River Specialties Co. (Folding Box Boards, Card Middles, Coated Boards, etc)
UNIONVILLE—Case Mfg. Co. (Colored, Hardware, Manila, Pattern & Rope)
VERSAILLES—Federal Paper Board Co., Inc. (Box Boards, Cracker Shell, Container Board & Specialties)
WESTPORT—Westport Paper Co. (Binders, Leather, Trunk & Box Board)
WESTVILLE — Parker Jos. & Son Co. (Blotting)
WINDSOR—Merwin Paper Co. (Insulating, Press & Shield Boards)
WINDSOR LOCKS—American Writing Paper Co. (Boards & Manila, Rope & Jute Manilas). Office: Holyoke, Mass.
Dexter C. H. & Sons (Cover Papers, Tissues & Specialties, Manifold Linen Typewriter, Grass-Bleached Silver Tissues, White & Colored Tissues, Copying, Bristols)
Whittelsey F. H. Co. (Yellow Way Bill, Manila, White & Parchment Copying, White & Colored Tissue, Manifold, Grass-Bleached, Typewriter, Anti-Tarnished, Oiled Tissue & Boards & Train Orders, etc.).

### DELAWARE.

GRANOGUE—Garrett Edwin (Tissue Manila & Colored). Office: Chester, Pa.
MARSHALLTON—Delaware Hard Fibre Co. (Rag Specialties). Office: Wilmington, Del.
*See adv index at end of book*
NEWARK—Curtis & Bro. (Rag Book, Envelope, Specialties & Writings)
WILMINGTON—*Jessup & Moore Paper Co (Book, Paper & Soda Fibre). Office Phila., Pa.
WOODDALE—Marshall & Mitchell (Special Paper for Making Vulcanized Fibre for Electrical & Mechanical Purposes)
YORKLYN—Marshall Bros. (Rag Papers for Vulcanized Fibre & Rag Specialties)

### DISTRICT OF COLUMBIA.

WASHINGTON—District of Columbia Paper Mfg. Co. (Finish Bond, Blotting, Embossed Flora Blottings, Cover, Matrix & Specialties), 3255 K, N W

### GEORGIA.

GORDON—Pynetree Paper Co. (See New York City)

### ILLINOIS.

ALTON—Alton Box Board & Paper Co. Straw Box Board & Plain Chip Board)
Carlyle Paper Co.
ANDERSON—Patent Vulcanite Roofing Co. (Felt)
AURORA—Monroe Binder Board Co. (Fibre)
CARLYLE—Carlyle Paper Co. (Straw Wrapping, Carpet, Building & Deadening Felts)
CHICAGO—American Straw Board Co. (Straw Board, Mill Lined; Chip Paper Stock, News, Combination Board), 122 S Michigan av
Am. Tar Products Co., 208 S La Salle
Central Box Board Co. (Straw Express, Ham & Rag Wrappings), 43d & Racine av. Mills: Rock Falls, Ill.
Chicago Coated Board Co. (Paper Box Boards, Plain, Mill Lined & Sheet Lined), 420 E North Water
Cornell Wood Products Co., 190 N State
Ford Roofing Products Co. (Boards, Express, Carpet Linings, Deadening Felts), 2339 La Salle
Patent Vulcanite Roofing Co. (Felt), 175 W Jackson blvd
Sall Mountain Co. (Asbestos Paper & Boards), 305 S La Salle. Mills: Rockdale, O.
Seaman Paper Co., 208 S La Salle
DECATUR—E. Z. Opener Bay Co.
MARSEILLES — Certain-teed Products Corp.(Building) *Crescent Paper (Straw & Chip Board, Egg Case Fillers & Box Board, Manila Lined & Plain)
Marseilles Wrapping Paper Co. (Rope Papers, Glazed Express, Rag & Bag Papers)
MOLINE—Lewis F. J. Mfg. Co. (Roofing Felts)
MORRIS—Morris Paper Mill Co.
MOUNT CARMEL—United Paper Board Co. (Straw Board). Office: New York City
PEORIA—Barrett Co. (Roofing Felt) Office: New York City
Bemis Bro. Bag Co.
United Paper Board Co. (Straw Board). Office: New York City
QUINCY—American Straw Board Co. Office: Chicago, Ill.
Weis Paper Mill Co.
ROCK FALLS—Central Box Board Co. Straw, Express, Ham & Rag Wrapping). Office: Chicago, Ill.
ROCKFORD—Rockford Paper Box Board Co. (Straw, Chip, Jute & Combination Boards)
Rockford Paper Mills (Straw Board & Straw Wrapping)
TAYLORVILLE—E-Z Opener Bag Co. (Bag, Express & Manila)
VANDALIA—Ford Mfg. Co. (Roofing & Deadening Felt, Bottle Wrapper & Carpet Lining). Office: Chicago, Ill.
WILMINGTON—American Straw Board Co. (Chip, Paper Stock, News & Combination Boards)

### INDIANA.

ALBANY—Hart T. F. Paper Co.
ALEXANDRIA—Alexandria Paper Co. (Machine Finished Book & News)
ANDERSON—Patent Vulcanite Roofing Co. (Felt)
BROOKVILLE—*Thompson & Norris Co. (of Indiana) (Straw & Fibre Papers for Corrugating & Corrugated Paper & Bottle Packing). Office: Brooklyn, N. Y.
BROWNSTOWN—Kieffer Paper Co. (Rag, Lining, Corrugated Carpet & Packing Paper & Non-Absorbent Ham)
CARTHAGE—Carthage Board & Paper Co. (Binders' Board)
DELPHI—Delphi Straw Board Co.
EATON—Fort Wayne Corrugated Paper Co.
ELKHART—Wheat Paper Co.
EVANSVILLE—Funke Ferdinand Sons (Heavy Cloth Mill Wrapper Absorbent & Common Ham Wrapper & Feather Edge Fibre Work)
FORT WAYNE—Fort Wayne Corrugated Paper Co.
HARTFORD CITY—Hartford City Paper Co. (Glassine, Greaseproof, Manifold, Embossed Parchmyn & Onion Skin Paper)
INDIANAPOLIS—Beveridge Paper Co. (White & Combination Boards, Bristols, Blanks & Silk Wrappers)
KOKOMO—Mid-West Box Co.
LAFAYETTE—Lafayette Box Board & Paper Co. (Straw Board, Plain & Mill Lined Sheet)
MARION—Marion Paper Co. (Folding Box Board, News Boards, Filled & Solid Pulp Boards, Plain & Grained Jute Board & Colored Board)
MOUNT VERNON—Mount Vernon Straw Board Co. (Plain & Lined Straw Board)
MUNCIE—Hinde & Dauch Paper Co. (Chip & Jute Board). Office: Sandusky, O.
NOBLESVILLE—American Straw Board Co. Office: Akron, Ohio
PORTER—Sall Mountain Co. (Asbestos Paper & Boards, etc). Office: Chicago, Ill.
ROCKPORT—United Paper Board Co. (See New York City)
SOUTH BEND—La Salle Paper Co. (Express, Wrapping & Specialties)
TERRE HAUTE—Terre Haute Paper Co. Corrugating Tube & Egg Case Boards, Straw and Rag Wrapping), Office: Dayton, O.
VINCENNES — Fort Wayne Corrugated Paper Co.
Indiana Board & Fibre Co., (Plain & Mill Lined Straw Board)
WABASH—United Paper Board Co. (Straw Board, Doubled Straw & Paper Stock Boards, Chip, Paper, Stock, News & Combination Boards & Coated Box Boards). Office: New York City

### IOWA.

CEDAR RAPIDS— Cherry J. G. Co. (Egg Case Fillers)
CLINTON—Clinton Paper Co. (Straw & Rag Wrapping)
Ford Roofing Products Co. (Building Sheathing)
Klein Oscar
FORT MADISON—Brown Paper Co. (Straw & Rag Wrapping)
TAMA—Cherry J. G. Co. (Egg Case Fillers)

### KANSAS.

HUTCHINSON—Hutchinson Box Board & Paper Co.
LAWRENCE—Lawrence Paper Mfg. Co. (Straw Wrapping, Board & Corrugated Packing)

### LOUISIANA.

BOGALUSA—Great Southern Lumber Co. (Fibre Board)
Louisiana Fibre Board Co.
BRAITHWAITE—E. Z. Opener Bag Co.

### MAINE.

AUGUSTA—*Cushnoc Paper Co. (Envelope, Manila, Bag & Sack, Manila Wrapping, Yellow Writing, Laid & Wove, White Sulphite Papers, etc)
BANGOR—Eastern Mfg. Co. (Loft & Machine Dried Ledger Linen & Writing, Bond & Envelope, etc)
*Orono Pulp & Paper Co. (Bag, Coating, Manila, Envelope, Sulphite Fibre). Mills: Orono, Me.
BELFAST—Sherman & Co. (Leather Board)
BRUNSWICK—Pejepscot Paper Co. (News, Cover & Wrapping)
CHISHOLM—*International Paper Co., Office, New York City
CUMBERLAND MILLS—*Warren S. D. Co. (Book & Coated Paper & Soda Fibre), Office: Boston, Mass.
EAST MILLINOCKET—Great Northern Paper Co. (Ground Wood)
FAIRFIELD—United Paper Board Co. (Ground Wood), Office: New York City
GARDINER—*Hollingsworth & Whitney Co. (Manila, Writing & Railroad Manila & Ticket, Parchment, Waxed Manilas, Linings & Packers), Office: Boston, Mass.
Warren S. D. Co. (Copsecook Mill) Machine-Finished & Super-Calendered Book), Office: Boston, Mass.
GREAT WORKS—*Penobscot Chemical Fibre Co. (Soda Fibre), Office: Boston, Mass.
HOWLAND—*Howland Pulp & Paper Corp. (Sulphite Fibre)
LISBON FALLS—Pejepscot Paper Co. (Sulphite Fibre)
LIVERMORE FALLS — *International Paper Co. (Pulp Boards & Mill Wrappers & Ground Wood), Office: New York City
MADISON—*Great Northern Paper Co. (News & Manila Paper & Sulphite Fibre & Ground Wood), Office: New York City
Hollinsworth & Whitney Co.
MECHANIC FALLS—Poland Paper Co. (Book Writing & Lithograph)
MILLINOCKET—*Great Northern Paper Co. (News, also Ground Wood), Office: New York City
NEWHALL—*du Pont E. I. de Nemours Powder Co. (Ground Wood Flour), Office: Wilmington, Del.
OLDTOWN — *Nekonegan Paper Co. (Ground Wood)
ORONO—*International Paper Co. (News, also Ground Wood), Office: New York City
*Orono Pulp & Paper Co. (Bag, Coating, Manila & Envelope, also Sulphite Fibre), Office: Bangor, Me.
PORTLAND—Brown Co. (Bond, Kraft Wrapping, Sulphite Pulp, Sheathing, Carpet Lining, Mill Wrappers, Bleached & Unbleached, Sulphite Fibre, etc)
RILEY—*International Paper Co. (Ground Wood). Office: New York City.
RUMFORD — International Paper Co., (News, Manila, Bag, also Ground Wood & Sulphite Fibre), Office: New York City
*Oxford Paper Co., Office: New York City
SKOWHEGAN — *Riverside Pulp Co. (Ground Wood)
Savage Mfg. Co.
*Skowhegan Pulp Co. (Ground Wood)
SOLON—International Paper Co. (Ground Wood), Office: New York City
SOUTH BREWER—*Eastern Mfg. Co. (Ledger, Writing & Envelope, also Sulphite Fibre & Ground Wood), Office: Bangor, Me.
SOUTH WINDHAM—*Androscoggin Pulp Co. (Wood Pulp Board, also Ground Wood), Office: Boston, Mass.
STEEP FALLS—Androscoggin Pulp Co., Office: Boston, Mass.
WEST ENFIELD—International Paper Co., Office, New York City

WINSLOW—*Hollingsworth & Whitney Co. (Manila Fibre & Waxed Manilas, Linings & Packers, Railroad Manila & Ticket, also Sulphite Fibre & Ground Wood), Office: Boston, Mass.
WOODLAND (Washington County)—*St. Croix Paper Co. (News, also Sulphite Fibre & Ground Wood), Office: Boston, Mass.

## MARYLAND.

ASBESTOS—Baltimore Roofing & Asbestos Mfg. Co.
BALTIMORE — Chesapeake Paperboard Co., Woodall & Claggett
CHESTERTOWN — American Strawboard Co. (Straw Board, Plain, Mill Lined & Sheet Lined). Office: Chicago, Ill.
CHILDS—Marley Paper Mfg. Co.
HAGERSTOWN — Antietam Paper Co. Machine Finished & Super-Calendered Book)
LUKE—West Virginia Pulp & Paper Co. (Calender, Blankbook, Label, Writing, etc.), Office: N. Y. C.
WHITE HALL—Fibre Fabric Co.

## MASSACHUSETTS.

ADAMS—Berkshire Hills Paper Co.
Brown L. L. Paper Co. (Linen Ledger & Record, All Linen, Bond, Bank Note, Parchment, etc.)
BALDWINSVILLE—Adams A. L. Paper Co. (Tissue)
BANCROFT—Union Mill (Office: Bulkley, Dunton & Co., 75 Duane, New York City)
BOSTON—Androscoggin Pulp Co., 50 State. Mills: South Windham & Steep Falls, Me.
Boston Paper Mfg. Co. (Fancy Printed), 15 Chardon
Crehore Chas. F. & Son (Press Boards & Jacquard Cards), 87 Milk. Works: Newton Lower Falls, Mass.
Groton Leatherboard Co. (Heating & Counter Boards), 16 State, Mills: W. Groton, Mass.
Herkimer Fibre Co., 51 Lincoln. Mills: Herkimer, N. Y.
Hollingsworth & Vose Co. (Red Rope Roofing & Insulating; All & Part Rope Tag, Pattern Box Stay, Flour & Cement Sack & Specialties), 141 Milk
*Hollingsworth & Whitney Co. (Manila Writing & Railroad Manila & Ticket Parchment, Waxed Manilas, Lining & Packers, Manila Fibre, Sulphite Fibre & Ground Wood), 185 Devonshire, Mills: Gardiner, Me., & Winslow, Me.
Monadnock Paper Mills, 201 Devonshire
Munroe Felt & Paper Co. (Roofing Carpet Lining & Ingrain Hanging), 79 Summer, Mills: Lawrence, Mass.
Penobscot Chemical Fibre Co. (Soda Fibre), 49 Federal, Mills: Great-Works, Me.
*St. Croix Paper Co. (News, Sulphite Fibre & Ground Wood), 244 Washington. Mills: Woodland, Me.
Tileston & Hollingsworth Co. (Book, Lithograph, Card & Plate), 49 Federal, Mills: Hyde Park, Mass.
*Warren S. D. Co. Inc. (Book & Coated Paper, Soda Fibre, Machine Finished & Super-Calendered Book), 200 Devonshire. Mills: Cumberland Mills, Me., & Gardiner, Me.
Wheelwright Geo. W. Paper Co. (Coating & Book, Bristol Boards, White & Tinted Blanks, Music, etc), 95 Milk. Mills: Fitchburg, Mass.: North Leominster, Mass., & Wheelwright, Mass.
BRIDGEWATER—Jenkins Geo. O. Co. (Leather Board), Office: Whitman, Mass.
DALTON—Crane Z. & W. M. (Extra Fine Writing)
Crane & Co. (Bank Note, Parchment & Bond)
Old Berkshire Mills Co. (Z. & W. Murray Crane, Props.) (Superfine Writings & Bristol Board)
Weston Byron Co. (Linen Ledger & Record)
DANVERS—Danvers Leather Co. (Leather Board)
EAST PEPPERELL—See Pepperell
EAST WALPOLE—Bird & Son ("Neponset" Roofing, Building, Sheathing, Hardware, Wrapping, Insulating & Special Waterproof Papers)
Hollingsworth & Vose Co. Office: Boston, Mass.
ERVING—Erving Paper Mills (Crepe & Tissue Specialties)
FITCHBURG—Crocker, Burbank & Co. (Inc.), (Book, Bristol Board, Card, Blotting & Writing)
Fitchburg Paper Co. (Card, Coating, Book & No. 1 Hanging)
Wheelwright Geo. W. Paper Co. (Coating Paper), Office: Boston, Mass.
HAVERHILL—Haverhill Box Board Co. (Box Boards)
HOLYOKE—Advertisers Paper Mill (Covers, Texts & Vellum)
American Writing Paper Co. (Book, Envelope, Writing, Wedding Folios, Calender & High Plate Finish, Bond, Linen & Ledger, Government Bond & Record Ledger, Colored Mediums, Drawing & Mimeograph, White & Colored Bristols)
Chemical Paper Mfg. Co. (Tub-Sized Writing, Envelope, Papeterie, Bonds, Linens, Folding Box Boards, Silk Boards, Detail Drawing & Cover)
Crocker-McElwain Co. (Writings, Ledgers, Bonds & Card Index Bristols)
Franklin Paper Co. (White & Colored Bristol Boards, White Blanks & Index Bristols)
Japanese Tissue Mills (Crystal Crepe & Decorating Paper, Waxed Paper, Paper Napkins & Fancy Decorated Tissues)
Newton Paper Co. (Sheathing, Deadening Felt, Wool Felt, Heavy Wrappers, Jute & Rope Manila & Specialties, Corrugated Blue Carpet Lining Felt)
New York-New England Co. (Cover, Card Board, Photograph & Calender Mounting Boards)
Parsons Paper Co. (Bonds, Ledgers, Bristols & Linens)
Taylor-Logan Co. (Book, Cover, Bond, Envelope, Papeterie, Vellum & Special Finish Papers)
Valley Paper Co. (Bonds, Linens, Ledgers, Photographic Papers)
Whiting Paper Co. (Writing)
Whitmore Mfg. Co. (Surface Coated, Enameled Covers & Cardboard)
HOUSATONIC—Rising B. D. Paper Co. (Bond, Linen & Ledgers, Wedding & Index Bristols)
HUNTINGTON—American Writing Paper Co. (Writing). Office: Holyoke, Mass.
HYDE PARK—Tileston & Hollingsworth Co. (Book, Lithograph, Card & Plate). Office: Boston, Mass.
LAWRENCE—Champion International Co. (Soda & Sulphite Fibre)
Merrimac Paper Co. (Super-Calendered & Machine Finished & Enameled Book, Coated Lithograph, Writing, Music & Envelope)
Munroe Felt & Paper Co. (Roofing, Carpet Lining & Ingrain Hanging). Office: Boston, Mass.
LEE—Eaton-Dikeman Co. (Blotting & All Grades of Absorbent Papers)
Mountain Mill Paper Co. (High Grade Ledgers & Specialties)
Smith Paper Co. (Copying, Silver, Roll, Colored, Condenser, Typewriter, Wrapping & Carbon Tissues)
MILLERS FALLS—Millers Falls Paper Co. (Book, Cover, Index Bristol, Bond & Tinted Superfines)
MITTINEAGUE—American Writing Paper Co. (Writing, Bond, Russian Linen Ledger & Wedding Board), Office: Holyoke, Mass.
Southworth Co. (Bonds, Linens, Ledgers & Folded Papers)
Strathmore Paper Co. (Bond, Book, Cover, Drawing, Board, Wedding, Mounting, etc)
Worthy Paper Co. Ass'n (Bond, Ledger, Linen Fine, Superfine, Pasted Wedding Board & Fancy Covers, Deckle Edged)
MONROE BRIDGE—*Monroe Bridge Paper Co. (White & Colored Manila Bristol, Manila Tag Board, Duplex Board, Cover & Colored Specialties; also Ground Wood)
MOUNT TOM—*Mount Tom Sulphite Pulp Co. (Bleached Sulphite Fibre), Office: Boston, Mass.
NEW BEDFORD—Pairpoint Corporation (Straw Board, Heavy Baling & Case Lining Papers)
NEWTON LOWER FALLS—Crehore Chas. F. & Son (Press Board & Jacquard Cards), Office: Boston, Mass.
NORFOLK—Wall J. F. & Son ("Juniper" Sheathing, Wrapping, Roofing, Building, etc)
NORTH DIGHTON—Lincoln L. & Co. (Manila, Sheathing, Tack & Tailors' Pattern)
NORTH LEOMINSTER — Wheelwright Geo. W. Paper Co. (Bristol Boards, White & Tinted Blanks, Coating & Book), Office: Boston, Mass.
NORTH WILBRAHAM—Collins Mfg. Co. (Writing)
OTTER RIVER—Otter River Board Co. (Binders & Trunk Boards)
PEPPERELL—Nashua River Paper Co. (Book, Lithograph, Coating & Writing)
PITTSFIELD—Eaton, Crane & Pike Co. (Bond & Writing, etc)
RUSSELL—Chapin & Gould Paper Co. (Bond Ledger & Writing), Office: Springfield, Mass.
Westfield River Paper Co.
SOUTH HADLEY—Japanese Tissue Mills (Fancy Colored Tissues, Waxed Paper, Crystals, Crepe Decorating Papers), Office: Holyoke, Mass.
SOUTH HADLEY FALLS—Carew Mfg. Co. (Ledgers, Bonds, Linens & Typewriter Papers)
Hampshire Paper Co. (Bond & Typewriter)
SOUTH LEE—American Writing Paper Co. (Writing), Office: Holyoke, Mass.
SPRINGFIELD—Chapin & Gould Paper Co. Mills: Russell, Mass.
TOWNSEND HARBOR—Spaulding J. & Sons Co. (Fibre Boards), Office: North Rochester, N. H.
TURNERS FALLS—Esleeck Mfg. Co. (Onion Skin, Manifolding Typewriter, Bond & Linens)
International Paper Co. (High Grade Cotton Waste, News; also Ground Wood), Office: New York
Keith Paper Co. (Writing, Bond, Ledger, Wedding Bristols & Specialties)
WALTHAM—Roberts John & Son Co. (Asbestos, Sheathing & Wrapping)
WEST DUDLEY—Burmus Paper Co. (Manila, Lining, Bogus & Specialties)
WESTFIELD—Crane Bros. (Linen Ledger, Linen Writing, Linenoid Goods)
WEST GROTON—Groton Leather Board Co. (Heeling & Counter Board), Office: Boston, Mass.
Hollingsworth & Vose Co. (Red Rope Roofing & Insulating, All & Part Rope Tag Pattern, Box Stay, Flour & Cement Sack & Specialties), Office: Boston, Mass.
WHEELWRIGHT—Wheelwright Geo. W. Paper Co. (Book Coating & Music), Office: Boston, Mass.
WHITMAN—Jenkins Geo. O. Co. (Leather Board)
WORONOCO—Strathmore Paper Co. (Bond, Ledger, Bristol, Wedding, Typewriter, Cover, etc.)

## MICHIGAN.

ALPENA—*Fletcher Paper Co. (Fibre, Bag & Manila, also Sulphite Fibre, Ground Wood)
BATTLE CREEK—Michigan Carton Co. (Box, Combination & Coated Boards)
CAPAC—Capac Paper Co. (Sanitary Fibre Products, Box Boards, etc.)
CHILDSDALE — Childsdale Paper Co. (Straw, Chip, Colored & Pulp Boards)
CONSTANTINE—Constantine Board & Paper Co. (Express, Fibre, Ham & Box Board)

MICHIGAN—continued

DETROIT—*Detroit Sulphite Pulp & Paper Co. (High Grade Envelope, Wrapping, Documents, Manila, Tag Board, Bristols, Cover & Specialties, also Sulphite Fibre), 2607 W. Jefferson
ESCANABA—*Escanaba Wood & Fibre Co.
GRAND RAPIDS—American Box Board Co. (High Grade Box & Corrugated Boards)
GROOS—*Escanaba Pulp & Paper Co.
JACKSON—Michigan Bag & Paper Co. (Bag Paper & "Ever-ready," Quick Opening Bags & Satchel Bottom & Square Bags)
KALAMAZOO—Bryant Paper Co. (Machine Finished & Super-Calendered Book, Map, Lithograph, Label, Music, Folder, Drawing, Rag & Wood Envelope, Tinted Laid Flats & Tub Engine-Sized Writings, French Folio & Specialties)
Hawthorne Paper Co. (Ledger, Bond & Writing)
Kalamazoo Paper Co. (Map, Writing, Envelope, Bond, Card & Coating, Book, Lithograph & Colored & Laid Flats)
Kalamazoo Vegetable Parchment Co. (Vegetable Parchment & Wax)
King Paper Co. (Book, Folder, Label, Lithograph, Map, Envelope & Writing)
Monarch Paper Co. (Machine Finished & Super-Calendered Book, Lithograph, Card, Coating, Folders & Tablet)
Rex Paper Co.
Riverview Coated Paper Co. (Coated Paper & Cardboard)
Standard Paper Co. (Card Middles & Box Boards)
Western Board & Paper Co.
MENOMINEE—Marinette & Menominee Paper Co. (See Marinette, Wis.)
MONROE—Boehme & Rauch Co. (Patent Coated & Combination Box Boards)
Monroe Binder Board Co. (Binders, Buggy & Backing Board)
Monroe Paper Co. (Straw, Rag, Wrapping & Lining Papers)
River Raisin Paper Co. (Folding Box Board, Shipping Cases, etc.)
MUNISING—*Munising Paper Co. (Bond, Fibre & Specialties, also Sulphite Pulp)
MUSKEGON—*Central Paper Co. (Fibre Manila, also Sulphite Fibre)
NILES—*French Paper Co. (Super-Calendered & Machine Finished Book)
*Niles Board & Paper Co. (Straw, Chip, Manila Lined & Colored Board, also Ground Wood)
OTSEGO—Bardeen Paper Co. (Book, Blotting, Cover, French Folio, Matrix, Map, Poster & Writing, Label, Ticket, Bible, Drug, Mimeograph, Parchment, Railroad Manila, Music, Paraffine, Coupon & Rag Papers, Felts, Ham, Express & Mill Wrappers)
Mac-Sim-Bar Paper Co. (Bristols, Sign Board, Saturating, Roofing & Deadening Felts, Card Middles, Document, Plain & Coated Box Boards, Plain & Duplex Bag, Tough Check, Rope & Fibre Papers, Cap, Wool, Building, Mill Wrappers, Corrugated Carpet Lining, Bottle Wrappers)
Wolverine Paper Co. (Waxed)
PALMYRA—Simplex Paper Co. (Sheathing & Mill Wrappers)
PLAINWELL—Michigan Paper Co. (Machine Finished Book, White & Colored French Folio, Catalogue, Pattern & Non-Fading Poster)
PORT HURON—Port Huron Sulphite & Paper Co. (Sulphite Papers & Light Weight Specialties)
ROCHESTER—Barnes Paper Mills (Book, News, Tobacco & Wrapping)
ST. JOSEPH—Mullen Bros. Paper Co. (Building & Specialties)
THREE RIVERS—Eddy Paper Co. (Card Middles, Bristols, Bogus Bristols, Bag & Specialties)
VICKSBURG—Lee Paper Co. (Bond, Ledger, Envelope, Plated & Linen Loft-Dried Papers)
WATERVLIET—Watervliet Paper Co. Surface Coated Jute, Container, News & Combination Boards)
WHITE PIGEON—Eddy Paper Co.
YPSILANTI—Peninsular Paper Co. (Bond, Cover, Flats & Specialties)

## MINNESOTA.

BRAINERD—Northwest Paper Co. (Ground Wood)
CLEARWATER—*Mukle Bros. Mfg. Co.
CLOQUET—*Northwest Paper Co. (News & Manila, also Ground Wood)
GRAND RAPIDS—*Itasca Paper Co. (News, also Ground Wood)
INTERNATIONAL FALLS—Minnesota & Ontario Paper Co. (Sulphite)
LITTLE FALLS—*Hennepin Paper Co. (News, Manila, also Ground Wood), Office: Minneapolis, Minn.
MINNEAPOLIS—*Hennepin Paper Co. (News, Manila & Ground Wood), Plymouth bldg. Mills: Little Falls, Minn.
Minnesota & Ontario Power Co. (News), Andrus bldg
Nelson B. F. Mfg. Co., (Bldg. Paper, Box Board & Roofing)
SARTELL—*Watab Pulp & Paper Co. (News, also Ground Wood)

## MISSISSIPPI.

MOSS POINT—Southern Paper Co. ("Kreole," Kraft & Wrapping)

## MISSOURI.

ST. LOUIS—Certain-teed Products Corp., Ford Mfg. Co., 3d & Biddle
St. Louis Tissue & Mfg. Co. (Toilet Paper, Paper Cans & Mailing Tubes), 3417 Chouteau av

## NEW HAMPSHIRE.

BATH—Cushman & Rankin Co. (Fibre Leather Board)
BENNINGTON—Monadnock Paper Mills (Machine Finished & Super-Calendered Book, English Finish, Music, Lithographic, Envelope & Coating)
BERLIN—Brown Co. (Ground Wood, Bleached & Unbleached Sulphite Fibre), Office: Portland, Me.
International Paper Co. (News & Card Middles), Office: New York City
BRISTOL—*Mason-Perkins Paper Co. (News, Colored Poster & Box Lining, also Ground Wood)
CLAREMONT — Claremont Paper Co. (Drawing, Super-Coating, Book, Manila)
FRANKLIN—*International Paper Co. (News, No. 2 Book, Manila Specialties, also Ground Wood). Office: New York City
GROVETON—*Groveton Paper Co., Inc. (Fibre & Manila, also Sulphite Fibre)
HINSDALE—Ashuelot Paper Co. (Tissue, Yellow Copying & High Grade Tissues)
Fisk Paper Co. (White & Manila Tissue & Toilet Papers)
Robertson Bros. (White & Colored Tissue Manila in Rolls)
Robertson E. C. & Son (Aseptic Papers, Tissue Manila, White & Colored Tissue in Rolls & Large Sheets)
Robertson G. A. & Co. (Tissue Manila & Toilet, Rolls & Large Sheets)
MANCHESTER—Amoskeag Paper Mill Co. (Book Paper)
MILTON — Milton Leather Board Co. (Leather Board)
Spaulding J. & Sons Co. (Fibre)
*See adv index at end of book*
NORTH ROCHESTER—Spaulding J. & Sons Co. (Fibre Boards), Mills, Townsend Harbor, Mass.
*See adv index at end of book*
SUNAPEE—*Emerson Paper Co. (Book Paper, also Ground Wood)
WADLEYS FALLS — Lee Fibre Co. (Leather & Fibre Boards)
WEST CLAREMONT—Coy Paper Co. (Tissue Manila)
Jarvis Paper Mills (Russell Jarvis, Prop.)
WEST HENNIKER—Contoocook Valley Paper Co. (Book, Card & Specialties in Strong Papers)
WEST HOPKINTON—Davis Paper Co.

## NEW JERSEY.

BLOOMFIELD—Davey E. H. Co. (Trunk, Binders & Friction Boards, High Grade Tar Boards)
Diamond Mills Paper Co. (Copying, Carbon, Cigarette & Tissues). Office: New York City
BOGOTA—Bogota Paper & Board Co.
Continental Paper Co. (Box & Lithograph Boards, Card Middles & Coating Boards)
Federal Paper Board Co., Inc.
BOONTON—Field & White Co. (Roofing & Deadening Felts). Office: New York City
BUTLER—Pequannock Valley Paper Co. (Tissue Manila)
CAMDEN—*Mac Andrews & Forbes Co. (Box Board, etc.)
West Jersey Paper Mfg. Co. (Rope Manilas, All Grades)
CLIFTON—Clifton Paper Mills
ELIZABETH—Barrett Mfg. Co. (Roofing & Building)
GARFIELD—Hamersley Mfg. Co. (Waxed Papers & Tissues, Entire Product Consumed in Their Own Factory). Office: New York City
GLOUCESTER—Hinde & Dauch Paper Co. (Bogus, Felt, Chip & Indented Board). Office: Sandusky, O.
HAMBURG—Union Waxed & Parchment Paper Co. (Tissue & Waxed Papers)
HOBOKEN—Hoboken Paper Mill Co. (Lining, Manila, Building & Specialties)
JERSEY CITY—Boyle John F. Co. (News & Straw Boards), 500 Montgomery
Davey W. O. & Sons (Binders, Friction & Trunk Board), 169 Laidlaw av *See adv index at end of book*
Leo Jas. Co. (Chip & Combination Box Boards), 251 Varick
Stratford Paper Co. (Cigarette, Silver, Manifold & Tissue Fourdrinier, etc.), 170 Cornelison av
LAMBERTVILLE—Bergen Paper Co. (Dry Saturated Felts)
Gandy Wm. H. (Est. of), (Tissue Manilla & Copying)
Mann Wm. Co. (Railroad Copying & Manifold Papers). Office: Phila., Pa.
LITTLE FERRY—Bergen Paper Co. (Deadening Felt)
MILFORD—Warren Mfg. Co. (Sand & Music Paper, Rope Tag & High Grade Specialties Made from Manila Fibre)
MILLBURN—Diamond Mills Paper Co. (Cigarette, Pattern, Copying & Tissue). Office: New York City
Fandango Mills (Binders Boards)
MORRISTOWN—Muir James A. (Binders' Board)
NEWARK—Albey Bros. (Box, Trunk Binders' & Boards), 149 Meeker av
Newark Boxboard Co., Blanchard
Waverly Paper Box Board Co. (Box Boards), Weston av
NUTLEY—La Monte Geo. & Son (Safety Papers & Specialties, Bankers' Safety, Railroad Ticket, Writings & Animal-Sized Papers in Rolls, Quadrille)
White Springs Paper Co. (White Tissue)
PASSAIC—Paterson Parchment Paper Co.
RIEGELSVILLE—Bergen Paper Co. (Dry Saturated Felts)
Warren Mfg. Co. (Manila Jute & Rope, Rope Bristol in 15 Colors). Office: New York City
WANAQUE—Wanaque River Paper Co. (Super-Calendered & Machine Finished Book & Ribbon Paper). Office: New York City
WHIPPANY—McEwan Bros. (News & Folding Paper Box Boards)
United Paper Board Co. (Patent News Board & Chipped Board). Office: New York City

## NEW YORK.

AMSTERDAM—Smeallie & Voorhees (Paper Board)
ANCRAM—Ancram Paper Mill (White, Colored, Manila & Anti-Rust Tissue & Specialties in Tissue). Office: New York City

AUSABLE FORKS—*Rogers J. & J. Co. (Bag, Envelope, Hardware & Manila, also Sulphite Fibre)
BALDWINSVILLE—Hoffman R. S. Co. (Tissue, Toilet & Waxed)
BALLSTON SPA—Ballston Fibre Products Co.
National Folding Box Co. (Manila, Board & Single & Double Lined Chip Box Board). Office: New Haven, Conn.
BATTENVILLE — Phoenix Paper Co. (White & Manila Tissue Sheets & Jumbo Rolls). Office: Greenwich, N. Y.
BEAVER FALLS—*Lewis J. P. Co. (Manila, Jute & Combination Boards, also Ground Wood)
*Lewis, Slocum & Lefevre Co. (Ground Wood)
BINGHAMTON—Bayless Pulp & Paper Co.
BLOSSVALE—Blossvale Paper Co. (White & Manila Tissue)
BROWNVILLE—*Brownville Board Co. (Tag Board, Document & Manila & Manila Folding Box Boards, also Ground Wood)
*Brownville Paper Co. (Railroad Manila, Colored Poster, Glazed Fibre & Colored Specialties, also Ground Wood)
*Harmon Paper Co. (Book, News, Manila & Colored Specialties, also Ground Wood)
CADYVILLE — International Paper Co. (Ground Wood)
CAMDEN—Burnham Asa C. (Cash Regis-
CANAAN—Heffermann Paper Co., Office: New York City
CARTHAGE—*Carthage Sulphite Pulp & Paper Co. (Sulphite Fibre).
*Carthage Tissue Paper Mills (Manila, White & Colored Tissue & Toilet Paper, Packages & Rolls)
*Champion Paper Co. (Manila, also Ground Wood)
*Island Paper Co. (Manila, Bag & Dry Fibre, also Ground Wood)
*West End Paper Co. (News)
CASTLETON—Fort Orange Paper Co. (Buckskin & Columbia Box Boards, Card Middles, Silk Wrappers, Jacquard Boards, Featherweight Textile Boards), Office: New York City
Ingalls & Co. (Binders' Board)
CHATEAUGAY—*Chateaugay Pulp Co. (Ground Wood)
*High Falls Pulp & Paper Co. (News, Hanging, also Ground Wood)
CLAYVILLE—Clayville Paper Mills Co. Tissue, Toilet)
COHOES—Gilbert Frank Paper Co.
Snyder W. W. Mfg. Co. (Straw Board)
CORINTH—International Paper Co. (News, Manilas, etc.)
ter Paper)
DE FERIET—*St. Regis Paper Co. (News, also Ground Wood & Sulphite Fibre). Office: Watertown, N. Y.
DEXTER—*Dexter Sulphite Pulp & Paper Co. (Fibre Wrapping & Bag Papers, also "Mitcherlich" Sulphite Fibre & Ground Wood)
Warren Parchment Co.
ELBRIDGE—Paddock Tube Paper Co. (Straw Boards)
FALLSBURG—Lefevre Edw. Y. (Cloth Lined Tissue, Crinkled & Light Weight Manila)
FAYETTEVILLE—Lawless Paper Co. (Manila & Tissue). Office: Rochester, N. Y.
McIntyre Bros. Paper Co., Inc. (Tissues)
FELTS MILLS—Lefebvre A. H. (Ground Wood)
FORESTPORT—*Pennington A. R. & Co. (Ground Wood)
FORT EDWARD—International Paper Co. (Sulphite Fibre), Office: New York City
FORT MILLER—*Fort Miller Pulp & Paper Co. (Hanging, also Ground Wood)
FULTON—*Arrowhead Mills, Inc. (Light Weight Manilas, News, White Lining, Kraft Paper, Ground Wood & Sulphite Pulp)
Eureka Paper Co. (Rope, Fibre, Express, Manila & Saturating & Specialties)
North End Paper Co. (White Tissue)
*Oswego Falls Pulp & Paper Co. (News, Hanging, Wood Pulp & Combination Board)
Victoria Paper Mills Co. (Manila, Tissue Paper, Toilet Paper in Rolls & Packages, Tissue Specialties, Paper Bags)
GLENS FALLS—Finch, Pruyn & Co. (Inc.), News & Half Tone, also Ground Wood)
International Paper Co. (News & Hanging, also Ground Wood). Office: New York City
GOUVERNEUR—*Aldrich Paper Co. (Wood Pulp). Office: Watertown, N. Y.
GREAT BEND—*Taggarts Paper Co. (Hanging & Tablet). Office: Watertown, N. Y.
GREENWICH—*Blandy Paper Co. (Tag, Manila & Special Papers for Glazed Paper & Cardboard). Office: Schuylerville, N. Y.
Continental Paper Bag Co. Office: New York City
Mohican Pulp & Paper Co
Phoenix Paper Co.
HADLEY—*Union Bag & Paper Co. (Bag & Manila, also Ground Wood). Office: New York City
HARRISVILLE—*Diana Paper Co. (Tissue & Light Weight Colored, also Ground Wood)
HERKIMER—Herkimer Fibre Co. (Leather & Fibre Board). Office: Boston, Mass.
HINCKLEY—*Hinckley Fibre Co. (Sulphite Fibre)
HUDSON FALLS—Union Bag & Paper Co. (Wall, Manila, Express & Bag), Office: New York City
ITHACA—Brown Paper Co
Empire Paper Co. (Tissue for Waxing)
LITTLE FALLS—Kingston Paper Co., Inc. (Roofing, Dry, Saturating & Deadening Felts, Building & Carpet Linings)
Mohawk Valley Paper Co.
LOCKPORT—Fibre Corporation (Indurated Ware & Ground Wood)
Lockport Paper Co. (Roofing Felt, Deadening, Sheathing & Heavy Wrapping)
Niagara Paper Mills (Covers & Fine Specialties)
United Paperboard Co. (Manila Coated & Combination Boards, Card Middles & Specialties), Offices: New York City
LYONSDALE—Ager C., Leonard J. (Straw & Shivy Fibre)
*Moyer & Pratt (Manila & Fibre, also Ground Wood)
LYONS FALLS—Gould Paper Co. (News, No. 2 Manila, also Sulphite Fibre & Ground Wood)
*Moyer & Pratt
McKEEVER—See Thomson, N. Y.
MALONE—*Malone Paper Co. (News, also Ground Wood)
MARCELLUS FALLS—Onondaga Paper Co. (Screening, Express, Fibre, Manila & White Tissue, Colored Specialties)
Marcellus Paper Co. (Express, Sreenings, Mill Wrappers & Hardware), Office: Syracuse, N. Y.
MECHANICSVILLE—*West Virginia Pulp & Paper Co. (Machine Finished & Super-Calendered Book, Lithograph & Varnish Label, also Bleached Soda & Sulphite Fibre), Office: New York City
MELLENVILLE—Hallett Bros. Co. (Box Board, Wrapper, Card Middles, Lined & Unlined Folding Box Board)
Van Buren J. M. & Co. (Wrapping)
MIDDLE FALLS—*Stevens & Thompson Paper Co. (Tissue & Manila Tissue, also Ground Wood)
MUMFORD—Mumford Paper Mills, Inc. (Manila Tissue & Toilet)
NAPANOCH—Hoornbeck's John C. Sons (Wood Flour)
Humphrey & Young (Light & Heavy Bogus, Wrapping & Butchers' Manila)
Ulster Tissue Mills, Inc.
NATURAL DAM—Aldrich Paper Co. (Sulphite Fibre)
NEWBURGH—Holden Paper Co. (Book)
Little Falls Paper Co. (Tissue & Tissue Manila)
NEWTON FALLS—*Newton Falls Paper Co. (Sulphite Fibre), Office: Watertown, N. Y.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Thompson & Norris Co. (Straw & Fibre Paper for Corrugating & Corrugated Paper & Bottle Packing), 212 Concord. Mills: Brookville, Ind.
Thompson & Norris Co. (Straw & Fibre Paper for Corrugating & Corrugated Paper & Bottle Packing), c Concord & Prince, Mills, Brookville, Ind.
Tidewater Paper Mills Co. (News), 32-33d
Warren Mfg. Co. (Rope Paper, Sand Paper, Music Paper, Rope, Tag & High Grade Specialties Made from Manila Fibre), 217 Morgan Ave.

### Boroughs of Manhattan and Bronx.

NEW YORK—Acme Paper Co. (Fancy Paper), 52 Elizabeth
Ancram Paper Mills (White, Colored, Manila & Anti-Rust Tissue & Specialties in Tissue), 150 W 22nd. Mills; Ancram, N. Y.
Barrett Co. (Roofing Felt), 17 Battery pl. Mills: Peoria, Ill.
Blauvelt Wiley Paper Mfg. Co., 135 Charlton
Bulkley, Dunton & Co. (Card Middles, Book, etc.), 75 Duane
Continental Paper Bag Co. (Toilet Papers, High Grade White Colored & Manila Tissues, Lightweight Specialties), 18 E 40th
Diamond Match Co. (White Coated, Colored & Manila Lined Board), 111 B'way; Mills: Southford, Conn.
Diamond Mills Paper Co. (Copying, Carbon, Pattern, Cigarette Tissues, Typewriter & Silver Tissue), 44 Murray
Ewing H. Norwood Co. (Paper Towels & Toilet Paper), Woolworth bldg.
Field & White Co. (Roofing & Deadening Felts), 116 Nassau
Fort Orange Paper Co. (Buckskin & Columbia Box Boards, Card Middles, Silk Wrappers, Jacquard Boards), 200 5th av
*Great Northern Paper Co. (News & Manila Paper, Sulpnite Fibre & Ground Wood), 30 E 42d. Mills: Madison, Me.
Hamersley Mfg. Co. (Waxed & Parchment Paper, etc), 232 Greenwich
Heffernan James P. Paper Co., 25 Water. Mills: Canaan, N. Y.
*International Paper Co. (News, Manilas, Fibre), 30 Broad
Johns-Manville H. W. Co. (Asbestos Paper & Mill Board), Madison av & 41st
La Monte Geo. & Son (Safety Paper), 61 B'way, New York
New York & Penna Co. (Soda Fibre Dry in Rolls, Bond, White & Colored Machine Finished & Super-Calendered Book, Cover, Envelope Label, Railroad Manila & Writing, Bleached Sulphate, Bay Express, Fibre, Hardware, etc), 200 5th av
*Oxford Paper Co. (Machine Finish & Super-Calender Book, Lithograph, Varnished Label; also Soda & Sulphite Pulp), 200 5th av. Mills: Rumford Falls, Me.
Pejepscot Paper Co. (News, Cover & Wrapping), 111 B'way
Pynetree Paper Co. (Container Boards), 450 Pearl
Racich Asbestos Mfg. Co., 609 W 55th
Rainbow Paper Mills, 239 B'way
*Ticonderoga Pulp & Paper Co. (Book, Writing, Magazine & Coating; also Soda Fibre), 200 5th av. Mills: Ticonderoga, N. Y.
*Union Bag & Paper Corp. (Blank Wall Paper, Manila, Fibre, Express Bag), 233 Broadway
United Paperboard Co., 171 Madison av
Voith J. M. Co., Inc., 200 5th av
Walther & Co. (Surface Coated Paper), 72 Duane, New York
Wanaque River Paper Co. (Super-Calendered & Machine Finished Book), 290 B'way. Mills: Wanaque, N. J.

NEW YORK—New York—continued

Warren Mfg. Co. (Manila, Jute & Rope, Rope Bristol in 15 Colors), 233 B'way. Mills: Reigelsville, N. J.

*West Virginia Pulp & Paper Co. (Machine Finished & Super-Calendered Book, Lithograph & Varnish Label; also Bleached Soda & Sulphite Fibre, Writing, Blank Book, Tablet), 200 5th av

Whitaker Paper Co., 77 Spring

York Haven Paper Co. (Colored Fibre, Express), 290 B'way. Mills: York Haven, Pa.

Borough of Queens.

RAVENSWOOD, L. I.—Ravenswood Paper Mill Co. (Straw & Plain Colored Chip Board, Lined or Unlined)

**(End of New York City)**

LYONS FALLS—Gould Paper Co. Mills: Port Leyden, N. Y.

NIAGARA FALLS—*Cliff Paper Co (News, Rolls, Sheets, Hanging; also Ground Wood)

Defiance Paper Co.

*International Paper Co. (News & Manilas), Office: New York

Lockport Paper Co. (Building, Roofing, Wrapping & Deadening Felts), Office: Lockport, N. Y.

*Niagara River Mfg. Co. (Ground Wood)

*Pettebone-Cataract Paper Co. (Roll & Sheet News; also Ground Wood)

Ralston W. & Co., Inc.

NORTH HOOSICK—Stevens & Thompson (Inc.) (Specialties in Colors)

NORWOOD—Martin Pulp & Paper Co.

Remington Paper & Power Co. (News Print Paper)

ORANGEBURG—Fibre Conduit Co. (Conduits Made from Wood Pulp)

PALMER—*International Paper Co. (Sulphite Fibre & Ground Wood), Branch of New York

PENFIELD—Lawless Paper Co. (Waterproof Bogus), Office: Rochester, N. Y.

PENN YAN—Andrews John T. & Co. (Butchers' Manila, Bogus, Wrapping & Sheathing)

Fox W. H. & Sons (Straw Wrapping)

PHOENIX—Crescent Paper & Machine Co. (Tissue Manila)

Oswego River Paper Mills (Tissue for Toilet Papers, All Kinds of Packages & Roll Toilet Papers Our Specialty)

Phoenix Toilet & Paper Mfg. Co. (Manila Tissue & Toilet)

Sweet Bros. Paper Mfg. Co. (White, Colored & Manila Tissue)

Three Rivers Paper Co.

PIERCEFIELD—*International Paper Co. (Manila; also Ground Wood & Sulphite Fibre), Office: New York

PIERMONT—Piermont Paper Co. (Patent Coated Pulp Lined & Other Folding Box Boards & White Blanks)

PLATTSBURG—*Lake Champlain Pulp & Paper Co. (Bag, Hanging, News, Manila Tissue; also Ground Wood)

*Saranac Co. (Ground Wood)

Underwood Paper Mills, Inc.

PORT LEYDEN—Gould Paper Co. (Heavy Manila & Drab Express), Office: Lyon Falls, N. Y.

Johnston & Son

POTSDAM—Racquette River Paper Co. (Manilla & Fibre Wrapping, Envelope & Printed Manillas, Bag Papers, Colored Specialties, etc.)

Unity Paper Mills, Inc. (Book)

PYRITES—De Grasse Paper Co. (Sulphite Bag & Manila; also Ground Wood & Sulphite Fibre)

RAYMONDVILLE—Remington Paper & Power Co. (News Print Paper)

ROCHESTER—Eastman Kodak Co.

Flower City Tissue Mills Co. (White, Colored & Manila Tissue, All Grades of Fourdrinier White Tissues)

Lawless Paper Co. (Manila & Tissue, Waterproof)

Rochester Paper Products Co. (Cardboard Boxes, Lining Paper & Mailing Tubes)

ROCK CITY FALLS—Big Falls Paper Co. (Box Boards)

Brown E. M. Paper Co. (Card Middles, Coating, Manila & Duplex)

SAUGERTIES — Cantine, Martin Co., (Coated Lithograph, Plate & Enameled Book Papers)

Diamond Mills Paper Co. (Typewriter, Copying, Carbon, Silver Tissue & Cigarette). Office: New York City

SCHUYLERVILLE — *American Wood Board Co. (Tag Manila & Special Paper for Glazed Paper & Cardboard, also Ground Wood)

Blandy Paper Co. Mills: Greenwich, N. Y.

SKANEATELES—Skaneateles Paper Co. (Mill Wrappers & Machine Dried Boards)

SKANEATELES FALLS—Saxer Paper Mills (Office, Syracuse)

SOUTH EDWARDS—*Carthage Tissue Paper Mills (Ground Wood). Office: Carthage, N. Y.

STILLWATER—Pemble Wm. & Sons (Straw Board, Leather Board, Counter Board)

STOCKPORT—Van De Carr Paper Co. (Rag & Straw Wrapping & Common Bogus, No. 2 Straw, Cigarette & Carpet Lining)

SYRACUSE—Marcellus Paper Co. (Express, Screenings, Mill Wrappers & Hardware). Mills: Marcellus, N. Y.

Saxer Paper Mills

THOMSON—*Iroquois Pulp & Paper Co. (Hanging & News, also Ground Wood)

TICONDEROGA — *International Paper Co. (News, also Ground Wood). Office: New York City

*Ticonderoga Pulp & Paper Co. (Book, Magazine & Coating, also Soda Fibre). Office: New York City

TONAWANDA—Tonawanda Board & Paper Co. (Solid & Filled Jute Boards, Plain & White Pulp Lined Eureka Boards, Chipboards, Solid & Filled News Board, Solid & Filled Pulp Boards, Box & Barrel Layers, Combination Boards, Patent Coated Boards, Colored Boards, Trunk, Textile, Binders Cloth, Picture, Furniture & Buggy Back Boards Container Boards & Fibre Shipping Containers)

TROY—Albia Box & Paper Co. (Box Boards, Plain, Combination & Mill Sheet Lined)

Ingersoll Paper Co. (Manila Tissue)

Manning John A. Paper Co. (Boot & Shoe Counters, Insulating Press Boards & Paper, Rope Manila Paper for Sand Poper)

UTICA—Foster Box Board Co. (Box Boards)

Mutual Box Board Co. (Box Boards)

VALATIE—Richmond Robert P. (Wrapping Paper)

WALLOOMSAC—Walloomsac Paper Co. (Colored Wall Papers, Ingrains & Specialties)

WARRENSBURG—*Schroon River Pulp & Paper Co. (News & Hanging, also Ground Wood)

WATERFORD—Gilbert Frank Paper Co (Colored Specialties, Coating, Cover, Interleaving Blotting, Book, Tablet & News)

WATERTOWN—*Aldrich Paper Co. (News, Manila & Hanging, also Ground Wood)

Diana Paper Co.

*International Paper Co. (News, Manilas, also Sulphite Fibre & Ground Wood), Branch of New York City

Knowlton Bros. (Covers, etc)

*Newton Falls Paper Co. (Sulphite Papers, Bag, Wrapping, Sack & Kraft, Sulphite Fibre). Mills: Newton Falls, N. Y.

Remington Paper & Power Co., Inc.

*St. Regis Paper Co. (News, Ground Wood & Sulphite Fibre). Mills: De Ferlet, N. Y.

Taggart Bros. Co. (Manila, Rope, Papers, Flour & Cement Sacks)

Taggart's Paper Co.

WILLSBORO—New York & Penna. Co. (Soda Fibre Dry in Rolls, also Paper)

NORTH CAROLINA.

CANTON—*Champion Fibre Co. (Soda & Sulphite Fibre). Office: Hamilton, O.

ROANOKE RAPIDS—Halifax Paper Corp. (Butchers' Manila & Kraft Fibre). Office: Richmond, Va.

OHIO.

AKRON—American Straw Board Co.

Phillips Thos. Co. (Rope, Cement, Flour, Feed & Lime Sack Papers, Sand & Sign Paper)

BALTIMORE—Fairfield Paper Co. (Chip, Jute & Combination Board, Rag & Jute Wrapping)

BARBERTON—Lignistra Fibre Products Co.

BOSTON—Cleveland-Akron Bag Co. (Rope, Flour, Sack, etc.)

CEDARVILLE—Hagar Straw Board & Paper Co. (Light Straw Board & Wrapping, Tube Egg Case & Corrugating). Office: Xenia, O.

CHAGRIN FALLS—Adams Bag Co. (Manila Rope for Flour & Cement Sacks), 1900 Euclid av. Office: Cleveland, O.

CHILLICOTHE—*Mead Pulp & Paper Co. (Book, Lithograph & Writing, Enameline & Ivory Half-Tone in White & Colors). Office: Dayton, O.

CINCINNATI—Carey Philip Mfg. Co. (Asbestos Paper & Mill Board, Roofing Felt), 330 Wayne av, Lockland

Chesapeake Corp.

CIRCLEVILLE—American Straw Board Co. Office: Chicago, Ill.

CLEVELAND—Adams Bag Co. (Manila Rope Paper for Flour & Cement Sacks), 1900 Euclid av

Cleveland-Akron Bag Co. (Rope, Flour Sack & Manilas)

Cleveland Waterproof Paper Co. (Waxed)

Ohio Box Board Co. (Box Boards, Including Patent Coated, Jute, Manila Lined News, etc.), 1390 E 30th. Mills: Rittman, O.

COSHOCTON—Coshocton Straw Paper Co. (Straw Paper for Corrugating & Straw Wrapping)

CRESENTVILLE—Fox Paper Co. (See Lockland)

CUYAHOGA FALLS—Walsh Paper Co. (Milton, Starch, Macaroni, Tailors' Pattern & Colored Specialties)

DAYTON—Aetna Paper Co. (Bonds, Ledgers, Lining & Flats)

*Mead Pulp & Paper Co. (Book, Lithograph & Writing, Enameline & Ivory Half-tone in White & Colors). Mills: Chillicothe, O.

Peerless Paper Co. (Book)

Sterling Paper Co. (Writing & Envelope Paper)

Terre Haute Paper Co. (Corrugating, Tube & Egg Case Boards, Straw & Rag Wrapping). Mills: Terra Haute, Ind.

DELPHOS—Hinde & Dauch Paper Co. (Straw Wrapping & Light Straw Board). Office: Sandusky, O.

FRANKLIN—American Writing Paper Co. (Writing). Office: Holyoke, Mass.

Franklin Board & Paper Co. (Patent Coated, News, Manila, Lined Chip, Paper Stock, Jute, Pulp & Combination Board)

Patent Vulcanite Roofing Co.

HAMILTON—Beckett Paper Co. (Colored Covers & Specialties)

Champion Coated Paper Co. (Book, Manila & Cardboard)

*Champion Fibre Co. (Fibre Board & Soda & Sulphite)

Sterling Paper Co. (Writing & Envelope Paper). Office: Dayton, O.

JAITE—Jaite Co. (Rope Specialties, Cement, Flour & Charcoal Bag Papers)

LANCASTER—Lancaster Board & Paper Co.

Lancaster Leather Co. (Leather Boards)

LOCKLAND—Carey Philip Mfg. Co. (Asbestos Mill Board & Roofing Felt), 330 Wayne av

Fox Paper Co. (Wrapping, etc.)

Richardson Paper Co. (Roofing, Fly & Specialties in Felt, Box & Other Boards), Wyoming & Cooper avs

MASSILLON—Massillon Paper Co. (Straw Wrapping)

Munroe Falls Paper Co. (Carpet Lining, Express, Straw & Rag Wrapping, Building, Absorbent, Fly Paper, Fireworks Paper, Deadening Felt & Roofing)

MAUMEE—Carney Paper Co.
MIAMISBURG—Miamisburg Paper Co. (Book, News, Envelope, Butchers' & No. 2 Manila)
Ohio Paper Co. (Bottle Wrappers, Carpet Lining & Saturating Felt)
MIDDLETOWN—Crystal Paper Co. (White, Colored & Manila Tissue & Wax Paper)
Gardner-Harvey Paper Co. (Box Boards)
Oglesby W. B. Paper Co. (Writing, Bond Ledger, etc.)
Sorg Paul A. Paper Co. (Jute & Manila Rope Specialties, Tissues & White Wax)
Wardlow-Thomas Paper Co. (Rope & Jute Manila)
Wrenn Paper Co. (Blotting)
MUNROE FALLS—Munroe Falls Paper Co. (Carpet Lining, Express & Fireworks Paper, Deadening Felt & Roofing). Office: Massillon, O.
PIQUA—American Strawboard Co. (Straw, Combination & Pulp Lined Board, News & Chip Board), Office: Chicago, Ill.
RITTMAN—Ohio Box Board Co. (Box Boards All Grades, Including Patent Coated, Jute, Manila Lined, News Board). Office: Cleveland, O.
ROCKDALE—Sall Mountain Co. (Asbestos Paper & Boards)
SAINT MARYS—Auglaize Box Board Co. (Straw Board, Chip, News, Light Weight Corrugating Paper, etc.)
SANDUSKY—Hinde & Dauch Paper Co. (Test Container Board & Light Strawboard)
STEUBENVILLE—*Hartje Paper Mfg. Co. (Manila, News, Fibres, Carpet Lining, Building Papers, Mill Wrappers, Straw, Chip & Pulp Board, Specialties; No. 1 & No. 2 Waterproof Fibres, Butchers' Fibre, Butchers' Waterproof, Manila & Rosin-Sized Sheathing, also Ground Wood & Sulphite Fibre), Office: Pittsburgh, Pa.
TIPPECANOE CITY—American Straw Board Co. (Steam-Dried Straw Board, Extra Smooth, Match Box Board; Pulp Lined Board), Office: Chicago, Ill.
TOLEDO—Valve Bag Co. of America, 3431 Summit av
*See adv index at end of book*
URBANA—Howard Paper Co. (Writing, Ledger & Specialty Bond)
WEST CARROLLTON—Miami Paper Co.
West Carrollton Parchment Co. (Vegetable Parchment & Waxed Papers)
XENIA—Hagar Straw Board & Paper Co. (Light Straw Board, Straw Wrapping Tube, Egg Case & Corrugated), Mills, Cedarville, O.

## OREGON.

OREGON CITY—*Crown-Willamette Paper Co. (Manila, Flaxina, Express, Bag, Fruit, Paraffine & Wrapping, also Ground Wood & Sulphite Fibre), Office: San Francisco, Cal.
Hawley Pulp & Paper Co. (Manila Wrapping & News)
WARRENDALE—*Crown-Willamette Paper)
Office: San Francisco, Cal.

## PENNSYLVANIA.

ATGLEN—Hults Ellsworth H., Jr. (Binders, Trunk, Box & Carriage Boards), Office: Phila., Pa.
AUSTIN—Bayless Mfg. Corp. (Pulp Paper)
BLOOMSBURG—Bloomsburg Paper Co.
BRIDGEPORT—Amboy Paper Co.
Diamond State Fibre Co. (Fibre Paper).
BUCK RUN—Nassau Mills Corp.
CHAMBERSBURG—United States Paper Mills.
CHESTER—Chester Paper Co. (Tissue)
Garrett E. (Fine Tissue, Manila, Colored)
Scott Paper Co. (Towels & Toilet Paper)
CHESTERVILLE—See Landenburg, Pa.
COATESVILLE—Jessup & Moore Paper Co.
DOE RUN—Palmer Willis B. (Binders & Jacquard Boards)
DOWNINGTOWN—Guie Jas. & Sons (Mill (Wrappers)
EAST DOWNINGTOWN—Bicking S. Austin Mfg. Co. (Wrapping, Rosin-Sized Sheathing & Corrguated Wrapping)
Kerr Paper Mill Co. (Box, Binders & Tar Board)
EMIGSVILLE—National Roofing Co. (Roofing)
ERIE—*Hammermill Paper Co. (Bond Paper)
Watson H. F. Co. (Paper, Asbestos, etc.)
GLEN MILLS—Glen Mills Paper Co. (Vegetable Parchment, Music, Fibre & All Rag Specialties). Office: Phila., Pa.
HUNTINGTON MILLS—Mountain Paper Co. (See Wilkes-Barre)
JOHNSONBURG—*Highland Paper Co. (Dry Soda Fibre)
*New York & Pennsylvania Co. (Bond, White & Colored, Machine Finished & Super-Calendered Book, Cover, Envelope, Label, Lithograph, Railroad Manila & Writing, also Bleached Sulphite), Office: New York City
LANDENBERG—Lysle Wilson (Est. of) (Fibre Paper)
LANSDOWNE—Garrett Edwin T. Co. (Tissue, Manila & Railroad Copying)
LATROBE—Barrett Co. (Roofing & Sheathing)
LIGHTSTREET—Bloomsburg Paper Co. (Waterproof, Blasting & Cartridge Paper)
LITITZ—Consumers' Box Board & Paper Co. (Tissues, Sheets & Rolls)
LOCK HAVEN—*New York & Pennsylvania Co. (Bag, Express, Fibre, Hardware, Press Board, Writing Book, Parchment, Cover, Manila, Coating & Specialties, also Soda Fibre), Office: New York City
MODENA—Megargee Paper Mills (All Rag Waterleaf for Parchmentizing & Vulcanizing)
MONONGAHELA—Union Paper Mill Co.
NEW CASTLE—New Castle Paper Mills
NEW HOPE—Union Mills Paper Mfg. Co. (Building & Manila Rope for Insulating)
NORRISTOWN—Norristown Magnesia & Asbestos Co. (Asbestos, Wool Felt & Sheathing)
NORTH WATER GAP—*Analomink Paper Co. (Manila, Fibre & Colored Specialties, also Ground Wood & Sulphite Fibre)
PENNSBURG—Perkiomen Paper Co. (Binders, Trunk & Box Boards)
PHILADELPHIA—Baeder, Adamson & Co. (Manila for Own Use in Making Sand Paper), Richmond & Allegheny.
Bicking Paper Co. (Mill Wrappers & Box Boards), 111 N 2nd
Cherry River Paper Co. (Manila, White & Colored Specialties; also Sulphite Pulp), Penna. bldg. Mills: Richwood, W. Va.
Considine Norbert A. (Wood Engravings, Zinc Etchings Halftones, Envelope Paper, etc.), North American bldg.
*Dill & Collins Co. (Book & Surface Coated, High Grade Machine Finish, Super-Calendered Book & Surface Coated Papers for Printing from Half-Tone Engravings, Color Plates, Aluminum & Lithographic Stone), 140 N 6th
Garrett C. S. & Son Co. (Hanging, Card Middles & Fibre, Machine Finished Book), 20 S Marshall
Glen Mills Paper Co. (Vegetable Parchment, Music, Fibre and All Rag Specialties), Stephen Girard bldg. Mills, Glen Mills, Pa.
Jessup & Moore Paper Co. (Book Paper & Soda Fibre), Commercial Trust bldg
Lang John Paper Co. (Roofing, Saturating & Deadening Felts), 24th & Vine
McDowell Paper Mills (Colored & Hercules Fibre, Drug, Book, Bag, Manifold, Heavy & Light Weight Colored Specialties of All Kinds), Main & Levering
Mann Wm. Co. (Railroad Copying & Manifold Papers), 529 Market. Mills, Lambertville, N. J.
Marley Mill Corp., 122 S 13th
Moorhouse R. T. (White & Colored Machine Finished & Super-Calendered Book, Colored Cover, Manila, Poster, News, Wrapping & Colored Specialties) 2655 Bridge, Bridesburg
*National Metal Edge Box Co. (Jute Folding Box Boards; also Ground Wood), 1217 Callowhill. Mills: Readsboro, Vt.
*Nixon Martin & Wm. H. Paper Co. (Book, Colored, Specialties & Felt Hangings, also Soda Fibre), 1011 Chestnut
Parsons Pulp & Lumber Co., Finance bldg. Mills: Parsons, W. Va.
Philadelphia Paper Mfg. Co. (Box Boards), River Road
York Haven Paper Co., Land Title bldg. Mills: York Haven, Pa.
PITTSBURGH—*Hartje Paper Mfg. Co. (Manila News, Fibres, Carpet Lining, Building Papers, Mill Wrappers, Straw, Chip & Pulp Boards, Waterproof Fibres, Butchers, Waterproof Manila & Rosin Sized Sheathing; also Ground Wood & Sulphite Fibre), Columbia Bank bldg. Mills: Steubenville, O.
Paper Goods Mfg. Co. (Gummed, Waxed Coated & Toilet Paper & Towels), 925 Pennsylvania av
Tarentum Paper Mills (Rope & Express Wrapping), 2d National Bank bldg. Mills, Tarentum, Pa.
PITTSTON—Lehigh Paper Mills, Inc.
READING—Reading Paper Mills (Book, Plate, Manila & Rope; Plate & Coated Papers, also Rope Papers for Paper Purposes)
ROARING SPRING—*Bare D. M. Paper Co. (Super-Calendered & Machine Finished Book, Lithograph, White Flats & Mimeograph; also Soda Fibre)
SCRANTON—Cherry River Paper Co.
SPRING GROVE—*Glatfelter P. H. Co. (Machine Finished & Super-Calendered Book & Writing, Label, Bond & Blank Book Papers, Varnish Label Papers, Music, Writing & Blank Book Papers a Specialty; also Soda Fibre)
TARENTUM—Tarentum Paper Mills (Rope & Express Wrapping). Office: Pittsburgh, Pa.
TYRONE—*West Virginia Pulp & Paper Co. (Super-Calendered & Machine Finished Book, Lithograph & Varnish Label, White Writing, Blank Book Tablet, also Soda Fibre), Office: New York City
UPPER DARBY—Keystone Paper Mills Co.
WILKES-BARRE—Mountain Paper Co. Mills: Huntington Mills, Pa.
WILLIAMSBURG—*West Virginia Pulp & Paper Co. (Writing, Book & Specialties, also Soda Fibre), Office: New York City
YORK—Schmidt & Ault Paper Co. (Manila, Sheathing, Carpet Lining & Bogus)
Springets Mills
York Paper Mfg. Co.
YORK HAVEN—*York Haven Paper Co. (Colored Fibre, Light & Dark Express, Waterproof Building, Roofing & Insulating & "X Loid" Prepared Roofing Paper, also Ground Wood & Sulphite Fibre). Office: Phila.

## RHODE ISLAND.

PAWTUCKET—National Coated Paper Corp. (Surface Coated Paper, Cardboard, Glazed Paper, etc)
PHILLIPSDALE—Phillipsdale Paper Mill Co. (Roofing Paper)

## SOUTH CAROLINA.

HARTSVILLE—*Carolina Fibre Co. (Colored Wrapping & Water Finish Fibre, also Ground Wood & Sulphite Fibre)

## TENNESSEE.

MEMPHIS—Tennessee Fibre Co. (Cotton Hull Fibre, Dry)

## TEXAS.

DALLAS—Fleming John G. & Son (Butchers' Manila & Straw, No. 2 Manila, Rag Wrapping, Roofing & Sheathing)
ORANGE—*Yellow Pine Paper Mill Co. (Fibre Hardware, Express, Colored & Bag, also Soda Fibre)

PAPER & PULP MILLS—continued

### VERMONT.

BELLOWS FALLS—Blake & Higgins (Manila)
*International Paper Co. (News, Manila, Card Boards, Card Middles & Specialties, also Wood & Sulphite Fibre), Office: New York
Moore & Thompson Paper Co. (Manila Wrapping, Railroad Manila, Coating, Envelope & Wax)
Robertson Paper Co. (Envelope Manila, Railroad & Telegraph Writing, Parchment Writing & Waxed Manilas & Tissues, All Grades, Weights & Colors in Waxed Papers, Biscuit, Bakers' & Packers' Papers a Specialty)
BENNINGTON—Bennington Wax Paper Co. (Waxed Paper)
BRATTLEBORO—Vinton Wm. H. & Son (Blotting & Matrix)
EAST RYEGATE—*Ryegate Paper Co (News, also Ground Wood)
FITZDALE—Fitzdale Paper Co. (Newspaper, etc.)
MILTON — *International Paper Co. (Ground Wood)
NEWPORT—*Clyde River Pulp Co.
NORTH BENNINGTON—Stark Paper Co. (Hanging)
PASSUMPSIC—Passumpsic Fibre Leather Co. Leather (Heeling Board)
PUTNEY—Cole Wm. A. Paper Co. (Manila Tissue & "Eagle Mills" Brand of Tissue Toilet)
Robertson's Wm. Sons (White & Colored Tissues, Cotton Batting Paper, Napkin Paper, Fruit & Bottle Wrappers)
READSBORO—*National Metal Edge Box Co. (Jute Folding Box Boards, also Ground Wood), Office. Phila., Pa.
SHELDON SPRINGS—*Missisquoi Pulp & Paper Co. (Ground Wood)
WELLS RIVER—Adams Paper Co. (Manila Tissue, Anti-Tarnish Tissue & Toilet)
WILDER—*International Paper Co. (High Grade News, also Ground Wood), Office: New York City
WILMINGTON — *Deerfield Pulp Co. (Ground Wood)

### VIRGINIA.

BIG ISLAND—*Bedford Pulp & Paper Co. (Manila, News, Hanging, Drawing & Poster, also Ground Wood), Office: Richmond, Va.
BRISTOL—Columbian Paper Co. (Soda Fibre)
BUENA VISTA—*Columbian Paper Co. (Card for Coating & Lithographing & Flat Writing, also Soda Fibre)
COLEMANS FALLS—Bedford Pulp & Paper Co. (Ground Wood), Office: Richmond, Va.
COVINGTON—*West Virginia Pulp & Paper Co. (Super-Calendered & Machine Finished Book, Lithograph & Varnish Label, also Bleached Sulphite Fibre), Office: New York
PORTSMOUTH—Southern Fibre Co. (Pulp & Wrapping Paper)
RICHMOND—Albemarle Paper Mfg. Co. (Blotting Paper Only)
Bedford Pulp & Paper Co. (Ground Wood)
Manchester Board & Paper Co. (Box Board & Mill Wrappers)
Richmond Paper Co. (Blotting, "Climax," "Star" & Enameled Blotting)
Standard Paper Mfg. Co. (Blotting Paper Only)
*See adv index at end of book*
WEST POINT—Chesapeake Corp.
WINCHESTER—American Straw Board Co.

### WASHINGTON.

CAMAS—Crown Willamette Paper Co.
EVERETT—*Everett Pulp & Paper Co. (Machine Finished & Super-Calendered Book, Varnish Label, Chemical, Railroad Writing, Bond & Cartridge, also Soda Fibre), Office: Lowell, Wash.

### WEST VIRGINIA.

DAVIS—*West Virginia Pulp & Paper Co. (Bleached Sulphite Fibre), Office: New York City
HALLTOWN—Halltown Paper Board Co. (Chip Boards, Milled, Lined & Plain)
HARPERS FERRY—*Harpers Ferry Paper Co. (Ground Wood)
*Shenandoah Pulp Co. (Ground Wood)
PARSONS—*Parsons Pulp & Lumber Co. (Tag Stock, Silk Wrappers & Specialties, Bleached & Unbleached Sulphites), Office: Phila., Pa.
PIEDMONT—*West Virginia Pulp & Paper Co. (Ground Wood), Office: New York City
RICHWOOD—Cherry River Paper Co. (Manila, White & Colored Fibres & Specialties, also Sulphite), Office: Phila., Pa.
WELLSBURG George S .Co. (Paper & Cement, Flour & Lime Bags)
George & Sherrard Paper Co.
Harvey Paper Co., Rope, Jute & Bogus)

### WISCONSIN.

APPLETON—Appleton Coated Paper Co.
Boyd C. Paper Co.
Fox River Paper oC. (Book, Bond, Linens, Lithograph, Typewriter, Superfine & Fine Writing & Engine-Sized Flats, No. 2 Ledger, Map, Drawing, Folded & Rule)
*Interlake Pulp & Paper Co. ("Mitscherlich" Process Sulphite Fibre & Ground Wood)
Kimberly-Clark Co. (Super-Calendered Book Manila & Fibre, Envelope, Writing & Railroad Manila), Office: Neenah, Wis.
*Patten Paper Co., Ltd. (Book & News, also Ground Wod)
Pulp Wood Co.
Riverside Fibre & Paper Co. (Bonds & Ledger, also Bleached & Unbleached Sulphite Fibre)
Thilmany Pulp & Paper Co., Wisconsin Tissue Div. (Light Weight)
ASHLAND—Ashland Paper Co. (Papers)
*Menasha Paper Co. (Sulphite Fibre), Office: Ladysmith, Wis.
BELOIT—Beloit Box Board Co. (Roofing, Building, Box & Straw Board)
BROKAW—*Wausau Poper Molls Co. (All Grades of Fibre & Manila, also Ground Wood & Sulphite Fibre)
COMBINED LOCKS—*Combined Locks Paper Co. (News, also Ground Wood & Sulphite Fibre)
CORNELL—Cornell Wood Products Co. (Wall Boards, etc.)
CRIVITZ—*Crivitig Pulp & Paper Co. (Ground Wood)
DE PERE—American Writing Paper Co. (Writing, Loft-Dried & Machine-Dried Bonds, Linens & Ledgers), Office: Holyoke, Mass.
EAU CLAIRE—*Dells Paper & Pulp Co. (Manila, Fibre, Novel & News, also Ground Wood & Sulphite Fibre)
GRAND RAPIDS—*Centralia Pulp & Water Paper Co. (News, also Ground Wood)
*Consolidated Water Power & Paper Co. (Lining, Novel, Special Print, Hanging, Book, Railroad Writing & Specialties, also Ground Wood & Sulphite Fibre)
GREEN BAY—*Green Bay Paper & Fibre Co. (Sulphite Fibre)
Hoberg John Co. (White, Manila & Colored Tissue, Paper Napkins, Fruit Wrappers, Roll & Package Toilet Paper, Cotton Batting, Excelsior Tissue Pads & Printed Tissues & White Sulphite Fibre Papers)
Northern Paper Mills (Toilet Tissue & Catalogue, Light Weight Book, Sanitary Automobile Toilet Service, "Northern" & "Pedro" Toilet Papers)
KAUKAUNA—*Kaukauna Pulp Co.
*Lindauer Pulp Co. (Ground Wood)
*Outagamie Paper Co. (No. 1 Rag Print, also Ground Wood)
*Thilmany Pulp & Paper Co. (Tissue, Poster, Catalogue, Pattern, Cover & Wrapping, also Ground Wood)
*Union Bag & Paper Corp. (Manila & Bag Paper, also Ground Wood), Office: New York City.
KIMBERLY—*Kimberly-Clark Co. (Book & Wrapping, also Sulphite Fibre), Office: Neenah, Wis.
LADYSMITH—*Menasha Paper Co. (News, Manila & Catalogues, also Ground Wood)
LITTLE RAPIDS — *Lindauer-O'Connell Co.
MARINETTE—*Marinette & Menominee Paper Co. (News & Minala, also Ground Wood & Sulphite Fibre)
MENASHA—Gilbert Paper Co. (Bond, Ledger & High Grade Writing)
*Island Paper Co. (White & Colored Fibre, also Sulphite Fibre)
Lakeside Paper Co. (High Grade Lightweight Specialties)
Menasha Printing Co. (Paper Mill)
Strange John Paper Co.
Whiting Geo. A. Paper Co. (Book, Colored Laid Writing, Telegraph & Parchment, Manila & Brench Folios, Antique Laid & Egg Shell)
MERRILL—*Grandfather Falls Co. (News, Hanging, Tablet & Novel, also Ground Wood)
MILWAUKEE—Hummel & Downing Co. (Combination Boards), N Cambridge av
John H. W.-Manville Co. (Asbestos & Building Felts)
MOSINEE—Wausau Sulphate Fibre Co. (Sulphite Fibre )
NEENAH—Bergstrom Paper Co. (Super-Calendered & Machine Finished Book & Cover)
Kimberly-Clark Co. (Colored Fibres, Book, Railroad Manilas & Book)
Lakeside Paper Co.
Neenah Paper Co. (Lofe Dried Bonds & Ledgers)
Wisconsin Pulp Wood Co.
Wisconsin River Paper & Pulp Co.
NEKOOSA—Nekoosa-Edwards Paper Co.
NIAGARA—*Kimberly-Clark Co. (News & Manila, also Ground Wood & Sulphite Fibre), Office: Neenah, Wis.
OCONTO FALLS—*Falls Mfg. Co. (Manila & Fibre, also Ground Wood & Sulphite Fibre)
PARK FALLS—*Flambeau Paper Co. (Hanging, No. 1 News & Novel, also Ground Wood)
PORT EDWARDS — Nekoosa-Edwards Paper Co. (News, Manila & Fibre; also Ground Wood & Sulphite Fibre)
RHINELANDER—*Rhinelander Paper Co. (News, also Ground Wood & Sulphite Fibre)
ROTHSCHILD—Marathon Paper Mills Co. (Fibre Wrapping, Tag, Manila, Bristols, Bonds, Machine Glazed Paper, also Specialties, Ground Wood, Sulphite & Bleached Sulphite Pulp)
SHAWANO—*Wolf River Paper & Fiber Co. (Fibre & Minila Wrapping, also Ground Wood & Sulphite Fibre)
STEVENS POINT—Whiting-Plover Paper Co. (Fine Writing Papers, etc.)
*Wisconsin River Paper & Pulp Co. (News & Hanging, also Ground Wood), Office: Neenah, Wis.
STILES—Edred Anson Co. (Ground Wood)
TOMAHAWK—*Tomahawk Pulp & Paper Co. (Roll News, also Ground Wood)

## 10739— Papier Mache Mfrs.

**AMEC ART PAPER MACHE WKS.,** 6311 N Clark, Chicago, Ill.
American Art Papier Mache Works, 6311 N Clark, Chicago, Ill.
Berger H. Sons, 346 E 34th, New York
Decorators' Supply Co., Archer av & Leo, Chicago, Ill.
De Planque F. R. & Son, 1349 Ridge av, Phila., Pa.
Dini Geo. L., 483 Baltic, Brooklyn, N. Y.
Emmel Chas. & Rose Co. (Architectural), 383 Albany, Boston, Mass.
Emmel Co. (Architectural), 81 Bristol, Mass.
Klee-Thomson Co., 327 E. 40th, New York
Old King Cole Papier Mache Co., Canton, Ohio
Plastic Relief Mfg. Co., 1959 Fulton, Chicago Ill.
Pride, Willis A., 43 Bristiol, Boston, Mass.
Tognarelli & Voigt, 1743 N 12th, Phila., Pa.
Van Malderen F., 5th & Jumonville, Pittsburgh, Pa.

### 10739a— Para-amidophenol

Chemical Co. of America, Inc., 28 Platt, New York.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York.
Rector Chemical Co., Inc., 2 Rector, New York.
Seydel Mfg. Co., 88 Forrest, Jersey City,

### 10739b— Paradichlorbenzol

Dow Chemical Co., Midland, Mich.
Hooker Electro Chemical, 40 Wall, New York
Niagara Alkali Co., Niagara Falls, N. Y.

### 10739c— Paraform

Roessler & Hasslecher Chemical Co., 709 6th Av., New York

### 10739d— Paraformaldehyde

Gray Wm. S. & Co., 80 Maiden Lane, New York
Greeff R. W. & Co., 80 Maiden Lane, New York
Cleveland-Cliffs Iron Co., Rockefeller bldg, Cleveland, O.
Hayden Chemical Works, Garfield, N. J.

### 10739e— Paraldehyde

Merck & Co., 45 Park pl, New York

### 10740— Parallels (Planer)

**STARRETT L. S. CO. (THE),** (Adjustable, Athel, Mass.
*See adv index at end of book*
Walker O. S. Co., Worcester, Mass.

### 10741— Paranitraniline

Butterworth-Judson Corp., 61 Broadway, New York *See adv index at end of book*
Chemical Co. of America (Mfrs.), 28 Platt, New York
Montcalm Chemical Works, 220 No Il-Illinois,, Indianapolis, Ind.
National Aniline & Chemical Co., Inc., (Mfrs.), 21 Burling Slip, New York
Nitrated Chemicals Co., Inc., Lorain, O.
Sherwin-Williams Co., 610 Canal rd, N W, Cleveland, O.
L. M. & G. Chemical Co., Belleville, N. J.
White John J., Inc., New Brunswick, N. J.
Williamsburg Chemical Co., 230 Morgan av., Brooklyn, N. Y.

### 10741a— Para-Nitrophenol

Rector Chemical Co., Inc., 2 Rector, New York.
Verona Chemical Co. Verona av, Newark, N. J.

### 10741b—Paraphenelendiamine

Chemical Co. of America (Mfrs.) 28 Platt, New York.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York.
Nitrated Chemical Co., Inc., Lorain, O.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.

### 10741c— *Parcel Carriers

Estes, E. B. & Sons, 364 Fifth av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 10742—Parers (Fruit & Vegetable)

See also Apple Paring Machine

American Machinery Co. ("American," Vegetable), 330 N 12th, Phila., Pa.
Berk Bros., 543 B'way, New York
Boutell Mfg. Co., Rochester N. Y.
Brown W. G. Mfg. Co., Kingston, N. Y.
Central Stamping Co. (Apple), 172 Fulton, New York
Getz M. & Co., 162 First, San Francisco, Cal.
Goodell Co. ("Bonanza," "Dandy," "Ranger," "Eureka," "Power," "New Century," "White Mountain," "98 Turntable," "Lightning," "Bay State"), Antrim, N. H.
Hamblin & Russell Mfg. Co. ("O. K.," "Quick," "Universal" for Apples, Potatoes, etc.), Worcester, Mass.
Hudson Parer Co. ("Little Star," "Rocking," "Daisy"), Leominster, Mass.
Imperial Machine Co. ("Victoria" Vegetable Machine) 108 W 34th, New York
Kelso & Co. (Apple, etc.), 559 W Quincy, Chicago, Ill.
Parker Wire Goods Co. (Hand, Apple, Potato, etc.), Worcester, Mass.
Penn Hardware Co. ("Pen-Perfect" Apple), Reading, Pa.
Premier Machinery Co., Oakland, Cal.
Reading Hardware Co. ("Apple"), Reading, Pa.
Reinbold Mfg. Co., 139 Beaubien, Detroit, Mich.
Sayre L. A. Co. (Apple & Peach Rotary Knife), 332 Mulberry, Newark, N. J.
Sinclair-Scott Co. (Fruit), Wells & Patapsco, Baltimore, Md.
Streeter & Co., N. R., 220 N Water, Rochester, N. Y.
White Ira F. & Son Co. ("California," Potato, etc., with Eye Extractor), Bloomfield, N. J.

### 10743— Parers (Hoof)

Brooklyn Tool Co., Brooklyn, Ind.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co. ("Champion," "Our Pride" Ball Bearing), Meadville, Pa.
Heller Bros. Co. ("Easy Cutting," etc.), 879 Mt. Prospect av, Newark, N. J.
Jones Eli & Sons ("Jones"), Luverne, Minn.
Leavitt Mfg. Co. ("Samson"), Urbana, Ill.
Lowe Mfg. Co. ("Wagner & Lowe"), Enderlin, N. D.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

### Paris Black

See Carbon Black Mfrs.

### 10744— Paris Green

Barry E. J. (Jobbers), 29 Cliff, New York
Bristol-Myers Co., 281 Greene av, Brooklyn, N. Y.
Corona Chemical Co., 213 Lake, Milwaukee, Wis.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Glidden Co., Madison av & Berea rd, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Lavanburg Fred L., 100 William, New York
Leggett & Bros., 301 Pearl, New York
Miller Jos. B., Finance bldg, Phila, Pa.
Pfeiffer Color Co., 100 William, New York

### Paris White

See Whiting & Paris White Mfrs.

### Park Furniture

See Settees, Various Kinds; also Fountains, Vases, Etc, also Rustic Work; also Swings, Lawn

### 10744a—*Parker Floor Varnish

See also Floor Finish

Parker C. H. Co., Valparaiso, Ind.
*See adv index at end of book*

**PARKER FLOOR VARNISH**
The name "Parker" on a product is a Symbol of Quality.
Varnishes for every purpose
**C. H. PARKER CO.**
**Valparaiso, Indiana**
*Varnish Makers since* 1871

### Partitions (Flexible)

See Partitions, Wood Rolling

### 10744b—*Partitions (Folding)

**WILSON J. G. CORP.,** 8 W 40th, New York *See adv index at end of book*

### 10745— *Partitions (Reinforcing Materials for)

**KINNEAR MFG. CO.,** 716-766 Field av, Columbus, O. *See adv index at end of book*

### 10746— Partitions (Steel)

Art Metal Construction Co. (Cage), Jamestown, N. Y.
*See adv index at end of book*
Carpenter R. F. Mfg. Co. ("Sanymetal" Toilet Partitions), 978 E 64th, Cleveland, O.
Cyclone Fence Co., Waukegon, Ill.
**DAHLSTROM METALLIC DOOR CO.** (Hollow-Metal "Dahlstrom" Quality, artistically finished, sanitary & fireproof), 413 Buffalo St., Jamestown, N. Y. *See adv index at end of book*
Detroit Steel Products Co., 2250 E Grand blvd, Detroit, Mich.
**Dexter Metal Mfg. Co. (Tool Room), 93 Arch, Camden, N. J.**
Fiat Metal Mfg. Co., 223 W Huron, Chicago, Ill.
Hauserman E. F. Co., Cleveland, O.
Hauserman E. F. Co., Fenestra bldg, Cleveland, O.
Hughes-Keenen Co. (Pressed Steel Toilet Partitions), Mansfield, O.
Lightwell Steel Co., Wilmington, Del.
Lupton's David Sons Co., Allegheny Av. and Tulip, Phila., Pa.
**Lyon Metallic Mfg. Co. ("Lyon" Sectional** Enclosure), Aurora, Ill.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Solar Metal Products (Inc.), Columbus, O.
Steelite Co., 1902 W 77th, Cleveland, O.
Tyler W. S. Co. (Also Wire), Cleveland, O.
***See adv index at end of book***
Wels Henry Cornice Co., Kansas City, Mo.
Zahner Metal Sash & Door Co. (Hollow Steel Adjustable), Canton, O.

### 10747—Partitions (Steel Rolling)

**KINNEAR MFG. CO.,** 716-766 Field av, Columbus, O. *See adv index at end of book*
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Variety Mfg. Co., 2958 Carroll Av., Chicago, Ill.
**WILSON J. G. CORP.,** 8 W 40th, New York *See adv index at end of book*

### 10748—Partitions (Stock Room)

Cyclone Fence Co., Waukegan, Ill.
**Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.**
Estey Bros. Co. (Wire), 270 Union av, Brooklyn, N. Y.
*See adv index at end of book*
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Shawmut Iron & Wire Works, Everett, Mass.
Steelite Co., 1902 W 77th, Cleveland, O.

### 10748a— *Partitions (Toilet)

Vitrolite Co., Chamber of Commerce bldg, Chicago, Il. *See adv index at end of book*

### 10748b—*Partitions (Tool Room)

Estey Bros. Co. (Wire), 270 Union av, Brooklyn, N. Y.
*See adv index at end of book*

### 10748c— *Partitions (Wire)

Tyler W. S. Co., Cleveland, O.
*See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

### 10749—Partitions (Wood Rolling)

American Sash & Door Co., Kansas City, Mo.
Curtis Bros. & Co., Clinton, Ia.
Grant Pulley & Hardware Co. (Horizontal), 101 Park av, New York
Kinnear Mfg. Co., 716-766 Field av, Columbus, O. *See adv index at end of book*
Monroe Screen Blind & Partition Co. ("Monroe" Improved), Lima, O.
Union Blind & Ladder Co., Oakland, Cal.
**WILSON J. G. CORP.,** Chief Office: 8 W. 40th, New York. Mills & Factory: Norfolk, Va. *See adv index at end of book*

## 10750—Parts (Adding Machine)

Nichols W. H., Waltham, Mass.

## 10751— Paste

See also Soldering Paste, Salts & Sticks

American Hominy Co. (Flour), Indianapolis, Ind.
American Printers' Roller Co., 314 W Grand av, Chicago, Ill.
Arabol Mfg. Co. ("Tinnol" Bottlers, Canners, etc), 100 William, New York
Atlas Supply Co., 108 Ring, Phila., Pa.
Bankers' Ink Co. (Library), Kansas City, Mo.
Behrend F., 170 Front, New York
Bloede Victor G. Co. (Paper Box), Caton av, Baltimore, Md.
Boettiger & Co. (Plumbers), Erie, Pa.
Boston Paste Co. ("Noah's" Machine Paste), 81 Traverse, Boston, Mass.
Buckeye Paste Co. (Carriage Trimmers), 270 S Wall, Columbus, O.
Carter's Ink Co. (Office), E Cambridge, Boston, Mass.
Chapman & Smith Co. (Almond), 1017 Washington blvd, Chicago, Ill.
Clark Paper & Mfg. Co. ("Fixit" Powdered, Liquid, etc.), Rochester, N. Y.
Climax Cleaner Mfg. Co., 2080 W 110th, Cleveland, O.
Commercial Paste Co., 504 Buttles, Hoster & High, Columbus, Ohio
Continental Mfg. Co. ("Willstick," Photographers "Continental" Brewers), 4611 Girard, Phila., Pa.
Crystal Springs Paste Co. (Flour, for Paper Hangers, Bookbinders, Shoe & Box Mfrs., etc.), 70 Kilby, Boston, Mass.
Davis Thaddeus Ink Co. (Office), 97 Vandam, New York
Davis Wm. A. Co. ("U. S. Treasury" Library), 40 Batterymarch, Boston, Mass.
Devoe & Raynolds Co., Inc. (Photographers), 101 Fulton, New York
*See adv index at end of book*
Diamond Ink Co. (Office), 192 E Water, Milwaukee, Wis.
Diamond Paste Co. (All Kinds), Albany, N. Y.
Ernecke Salmstein Co. ("Chica", "Esco"), 944 North av, Chicago, Ill.
Fort Pitt Oil & Paint Co. (Anti-Rust), 3206 Penn, Pittsburgh, Pa.
**FOX M. EWING CO.,** ("Foxpaste," in Dry Powder Form), 241 E 136th, New York *See adv index at end of book*
Fuller H. B. Co. ("Fullers" Cold Water, Dry), 188 W. 3d, St. Paul, Minn.
General Adhesive Mfg. Co., Inc. (Machine Label), 469 Greenwich, New York.
Grindan Mfg. Co. ("Grindan," "Grinding"), Albany, N. Y.
Higgins Chas. M. & Co. (Office), 271 9th, Brooklyn, N. Y.
Indianapolis Paste Co., Indianapolis, Ind.
Keller Robt. Ink Co. (Office), 149 Brooklyn, W, Detroit, Mich.
Kleinbeck C. H. Co. (Caramel), Geneva, Ill.
Levison & Blythe Mfg. Co. (Library), 209 Locust, St. Louis, Mo.
Lincoln Feed & Fuel Co. (Paper Hangers), Lincoln, Neb.
Michigan Paste & Mfg. Co. ("Perfection"), 711 Fort, W, Detroit, Mich.
National Gum & Mica Co. ("Yankee" Cold Water Paste Powder), 59th & 11th av, New York
National Insulating & Mfg. Co. ("Holdfast"), Indianapolis, Ind.
Pawtucket Mordant Co. (Textile Finishing), Pawtucket, R. I.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Pomeroy Ink Mfg. Co., 55 E Park, Newark, N. J.
Providence Drysalters Co. (Textile Finishing), 86 Weybosset, Providence, R. I. Works: East Greenwich, R. I.
Quill & Co., 436 Aberdeen, Chicago, Ill.
Reardon Glue Mfg. Co. (Dry), 2nd & Clinton, St. Louis, Mo.
Sanford Mfg. Co. ("Sanford," Office & Library), Congress & Peoria, Chicago, Ill.
Scatergood H. W. Co. ("Pastilage" Liquid), 1722 W Venango, Phila., Pa.
Schmeer's Paper Box Co. ("Syracuse"), Syracuse, N. Y.
Schweitzer Samuel (Flour), 660 W Lake, Chicago, Ill.
Silberstein A. L. (Razor), 600 W 157th, New York
Stafford S. S. (Library), 609 Washington, New York
Starbuck R. M. & Sons (Plumbers), Hartford, Conn.
Swearingen J. C. Ink Co. (Library), 222 Wick, Pittsburgh, Pa.
Tacks Mfg. Co. (Bottlers, etc), Utica, N. Y.
Thomas L. H. Co. ("Snow Flake," Library), W Congress & S Peoria, Chicago, Ill.
Weil Samuel & Son, 194 Franklin, New York
Weis Mfg. Co. (Library), Monroe, Mich.
Williamson Glue & Gum Wks. (Vegetable), 220 W Huron, Chicago, Ill.
Wood & Selick (Almond), 36 Hudson, New York
Woodmansee F. A. ("Woodmansee." Office & Library), 117 E Pearl, Cincinnati, O.

## 10751a— Paste (Adhesive)

Arabol Mfg. Co., 100 William, New York
Clark Paper Mfg. Co., Rochester, N. Y.
National Gum & Mica Co., 59th & 11th av, New York

## 10752— Paste (Calking)

Weatherproof Calking Co. ("Hennen's" Elastic, for Calking Windows, etc in Houses), Minneapolis, Minn.

## 10753— Paste (Canners', Etc.)

Arabol Mfg. Co. (Paste Powder & Tinnol Paste), 100 William, New York
Burt Machine Co., 403 E. Oliver, Baltimore, Md.
Clark Paper Mfg. Co., Rochester, N. Y.
Continental Mfg. Co. ("Continental"), 4611 Girard, Phila., Pa.
Electric Cleanser Co., Canton, O.
Fales W. H. Co. (Sales Agent), 62 Maiden la, New York
Indianapolis Paste Co., Indianapolis, Ind.
National Gum & Mica Co., 59th & 11th av, New York
Schweitzer Samuel, 660 W Lake, Chicago, Ill.
Stricker Henry H. & Co., 604 W Pratt, Baltimore, Md.
Tacks Mfg. Co., Utica, N. Y.

## 10754— Paste (Caramel)

Kleinbeck C. H. Co., Geneva, Ill.

## 10755—Paste (Carriage Trimmers')

Buckeye Paste Co., 270 S Wall, Columbus, O.

## 10756— Paste (Emery)

Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
General Plasters Supply Co., 489-493 Broome, New York.
Jackson Mills Emery Co., Pennsylvania bldg, Phila., Pa.
Munning A. P. & Co., Mattawan, N. J.

## 10757— Paste (Library)

Clark Paper Mfg. Co., Rochester, N. Y.
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
National Gum & Mica Co., 59th & 11th av, New York.

## 10758— Paste (Pipe Joint)

Hosmer G. A. Co., 601 Northland av, Buffalo, N. Y.
Thread-Tight Co., 288 Bowery, New York

## 10759-60—Paste (Plumbers')

Starbuck R. M. & Sons, Hartford, Conn.

## Paste (Soldering)

See Soldering Flux, Paste, etc.

## 10762—Pasteurizers (Milk, Etc.)

Burrell D. H. & Co. ("Simplex" Holder Internal Tube & Long Distance Flow & "Simplex" Spray Vat; also Simplex Tank Pasteurized), Little Falls, N. Y.
Climax Machinery Co., Indianapolis, Ind.
Creamery Package Mfg. Co. ("Wizard"), 61 W Kinzie, Chicago, Ill.
Davis-Watkins Dairymen's Mfg. Co., North Chicago, Ill.
Kauffman Pasteurizer Co., Three Rivers Mich.
Krenz Oscar Copper & Brass Wks., 612 Bryant, San Francisco, Cal.
Ladd John W. Co., 572 W Lafayette, Detroit, Mich.
Ladewig Stock Co., Waukesha, Wis.
Miller Pasteurizing Machine Co., Canton, Ohio
Mohr John & Sons, 349 W Illinois, Chicago, Ill.
Reid A. H. Creamery & Dairy Supply Co. ("Reid"), 69th & Haverford, Phila., Pa.
Woolf Laboratories, Inc., 230 Greenwich, New York

## 10763—Pasteurizers (Portable)

U. S. Bottlers' Machinery Co. ("Ideal" for Catsup, Tomato Pulp, etc), 2511 Park, Chicago, Ill.

## 10764— Patches (Tube)

Empire Tire & Rubber Co. ("Empire"), Trenton, N. J.
Keystone Rubber Mfg. Co. (Rubber, no cement), Erie, Pa.
Las-Stik Patch Mfg. Co. ("Las Stik"), Hamilton, Ohio
Polson W. J. Co. ("W. J. Polsons" Blow Out), 18th & Indiana av, Kansas City, Mo.

## 10765—*Patent Leather Solutions

Du Pont Chemical Works, 120 Broadway, New York.

## 10766— *Patented Articles

SPENCER'S I. S. SONS (INC.), (For Owners & Inventors), Guilford, Conn.
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 10767—Pattern Making Outfits

Benskin Mfg. Co., Canton, O.
Bryan Pattern & Mach. Co., Bryan, O.
Oliver Machinery Co., Grand Rapids, Mich.

## Pattern Plates

See Plates, Match

## 10768— Patterns (Metal)

See also Patterns & Models

Barum S. H., New Haven, Conn.
Brost Pattern Wks., 5122 St. Clair, Cleveland, O.
Bryan Pattern & Mach. Co., Bryan, O.
Champion Foundry & Machine Co., 2419 W 14th, Chicago, Ill.
Continental Machine Works, Oakland, Cal.
Corbett-Steeves Pattern Works (Foundry), Rochester, N. Y.
Farrar & Threfts, Inc., Buffalo, N. Y.
Kimball F. J. Co., Inc., 1860 E 15th, Los Angeles, Cal.
Marion Foundry Corp., Marion, Ind.
Maumee Malleable Castings Co., Toledo, Ohio.
Monarch Pattern Wks., 180 Russell, Detroit, Mich.
Nicholls Wm. H. Co., Inc., 2 College pl, B'klyn, N. Y. *See adv index at end of book*
Nobach W. J. Pattern Works, 411-413 S Clinton, Chicago, Ill.
*See adv index at end of book*
Penn Seabord Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
San Diego Machine Co., San Diego, Cal.
Scherer Wm. Mfg. Co., 1384 E 40th, Cleveland, O.
Standard Pattern Works, 5332 St. Clair av, Cleveland, O.
Sweet & Boyle Foundry & Machine Co., Green Island, N. Y.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.
Youngstown Pattern Wks., Youngstown, O.

## 10769— Patterns (Shoe)

Bourque & Sears, Haverhill, Mass.
Brown & Hutchinson, Haverhill, Mass.
Hayden Samuel H., Haverhill, Mass.

**Holden & Quick, 120 Centre, New York**
Olden's Geoffrey J. Son, 16 Spruce, New York
**Plumstead Harry T., Haverhill, Mass.**

## 10770— Patterns & Models

**Acme Pattern Works (Wood & Metal),** 52 Porter, Detroit, Mich.
**Acme Pattern & Machine Co., Buffalo, N. Y.**
**Acme Steel & Malleable Iron Works, 245** Military rd, Buffalo, N. Y.
**Adamson Machine Co., Akron, O.**
*See adv index at end of book*
**Allen Geo. R. (Metal or Wooden, for Machine & Casting Works, 1214 Chestnut, Phila., Pa.**
**Allison R. W., Dayton, O.**
**American Pattern Co., 3336 Market, Phila., Pa.**
**American Pattern Mfg. Co., Youngstown, O.**
**American Pattern Works (Wood & Metal), Dubois & Clay, Detroit, Mich.**
**Anderson Eric J., Hartford, Conn.**
**Art Pattern Works (Wood & Metal), 121** Lafayette av, Detroit, Mich.
**Austin F. A. Pattern Co., Syracuse, N. Y.**
**Baker James M. (Wood), 114 W Exchange,** Providence, R. I.
**Barth Mfg. Co. (Metal), Milwaukee, Wis.**
Barum S. H. (Wood), New Haven, Conn.
Bascom & Co. (Wood & Iron for Stoves & Heaters, also Machy. Patterns & Match Plates), Troy, N. Y.
**Bassett Pattern Works (Wood & Metal),** 62 Central av, Cincinnati, O.
**Beach Fred F. (Wood & Metal), Bridge**port, Conn.
**Belcher Malleable Iron Co. (Metal), Eas**ton, Mass.
**Bemis A. L., Worcester, Mass.**
**Birdsboro Steel Foundry & Machine Co.,** Birdsboro, Pa.
**Blair Tool & Machine Works, 521 Green**wich, New York
**Bogert & Hopper, Inc. (Wood for Various** Purposes), 57 Barclay, New York
*See adv index at end of book*
**Bosworth-Ard Machine & Foundry Co.,** Anniston, Ala.
**Bridgeport Pattern & Model Co., Bridge**port, Conn.
**Brost Pattern Works (Wood & Metal),** 5122 St. Clair av, Cleveland, O.
**Bryan Pattern & Mach. Co., Bryan, O.**
**Buckeye Engine Co. (Wood), Salem, O.**
**Buffalo Gear & Pattern Works (Gear Pat**terns Cut by Machinery), 18 Elk, Buffalo, N. Y.
**Buffalo Pattern Works (Wood & Metal** Patterns), 830 Hertel av, Buffalo, N. Y.
**Butt Herbert G., 352 Atlantic av, Boston,** Mass.
**Cahill W. S. Co., Key Highway & Webster,** Baltimore, Md.
**Calhoun Pattern Foundry & Machine Co.,** Houston, Texas
**Canton Malleable Iron Co. (Brass), Can**ton, O.
**Canton Pattern & Mfg. Co. (Metal &** Wood), Canton, Ohio.
**Carley C. R. (Patterns), 318 E Water,** Syracuse, N. Y.
**Carolus Mfg. Co., Sterling, Ill.**
**Central Machine Works, 12th & Tyler, St.** St. Louis, Mo.
**Cheney S. & Son, Manlius, N. Y.**
**Cincinnati Pattern Works (Wood & Metal),** Front & Lawrence, Cincinnati, O.
**Clark Cadle Harmon Corp. (Metal), Roch**ester, N. Y.
**Cleveland Castings Pattern Co. (Wood &** metal, 1930 E 61st, Cleveland, O.
**Cleveland Metal Pattern Co. (Metal Pat**terns), 728 Frankfort av, Cleveland, O.
**Cleveland Punch & Shear Works Co., 3921** St. Clair av, N E, Cleveland, O.
**Cobb & Jenkins, 380 Atlantic av, Boston,** Mass.
**COHOES IRON FOUNDRY & MACHINE CO.,** Cohoes, N. Y.
*See adv index at end of book*
**Collamer Machine Works, 1214 E 152d,** Cleveland, Ohio
**Colson F. A. Pattern Works (Wood &** Metal), Buffalo, N. Y.
**Columbia Machine Works & Malleable** Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
**Cope Pattern Works (Wood & Metal), 41** McDougall, Detroit, Mich.
**Crooks Pattern Works (Wood & Metal),** 955 Cleveland av, Columbus, O.
**Cumberland Foundry & Mfg. Co. (Metal &** Wood), Nashville, Tenn.
**Davison, Namack Foundry Co. (Wood &** Metal), Ballston Spa, N. Y.
**Detlaff A. J. Co., 121 E Lafayette, Detroit,** Mich.
**Detroit Pattern Works, 9 W Woolbridge,** Detroit, Mich.
**Dixie Brass & Foundry Co., Birmingham,** Ala.
**Duemer Louis, Hamilton, Ohio**
**Eastern Pattern Works. Detroit, Mich.**
**Ellison Brass Mfg. Co., Jamestown, N. Y.**
**Elmes Chas. F. Engineering Works** ("Wooden"), cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
**Emmel Co., 81 Bristol, Boston, Mass.**
**Estes E. B. & Sons (Wood for Various** Purposes), 364 5th av, New York
*See adv index at end of book*
**Elnon-Evans Mfg. Co. (Patterns Only),** N 15th & Clearfield, Phila., Pa.
**Farrar & Threfts Inc., Buffalo, N. Y.**
*See adv index at end of book*
**Flint Electric & Mfg. Co., Denver, Colo.**
**Fogg A. A. (Metal Patterns), Meriden,** Conn.
**Forster John G., Indianapolis, Ind.**
**Frankham Wm. Brass & Bronze Works,** (Metal), Canton, O.
**Freeman Pattern Supply & Mfg. Co., To**ledo, O.
**Frisch Bros., Wilmington, Del.**
**Fritz Geo. E., 4 Howard, New York**
**Gardam Wm. & Son, 114 Park pl, New** York
**Gard Pattern Co. (Patterns Only), Denver,** Colo.
**Garvis Benj. E., 113-115 Mechanic, New**ark, N. J.
**Gem City Pattern Works (Wood & Metal),** Dayton, O.
**General Pattern & Model Co., 215 Centre,** New York
**GERDES & CO., 42 Church, New York**
*See adv index at end of book*
**Gillie Machine Co. (Wood & Metal), Tona**wanda, N. Y.
**Girard Model Works (Wood & Metal),** Girard, Pa.
**Globe Malleable Iron & Steel Co., 101** Greenway av, Syracuse, N. Y.
**Goodwin-Bradley Pattern Co. (Wood and** Metal Patterns), 277 Eddy, Providence, R. I.
**Gorning & Luley, 1112 N B'way, St. Louis,** Mo.
**Grant Mfg. & Machine Co. (Metal, Ex**perimental, etc), Bridgeport, Conn.
**Hanson Clutch & Machy. Co., Tiffin, O.**
*See adv index at end of book*
**Harlan & Hollingsworth Corp., ft West,** Wilmington, Del.
**Hartmann-Malcolm Co., 847 N Troy, Chi**cago, Ill.
**Hoeft & Co. (Metal), 1600 W Kinzie, Chi**cago, Ill.
**Hoering, G. V., 427 N Park, Columbus, O.**
**Huetter Machine & Tool Co., Indianapolis,** Ind.
**Huse W. D. & Sons, Laconia, N. H.**
**Jarvis Joseph T., 73 Haverhill, Boston,** Mass.
**Jessup Stephen C. Pattern Works (Wood** & Metal), Salem, O.
**John's Stamping & Machine Works Co.,** 1715 Leonard, Cleveland, O.
**Johnston Pattern Co. (Wood), Canton, O.**
**Jurack Chas. (Wood & Metal), 201 Oregon,** Milwaukee, Wis.
**Kahl Pattern Works (Wood & Metal),** Detroit, Mich.
**Kidder R. E. Co. (All Sizes), Worcester,** Mass.
**Kimball F. J. Co., Inc., 1860 E 15th, Los** Angeles, Cal.
**KNAPP ARTHUR ENGINEERING CORP., 19 W 44th, New York**
*See adv index at end of book*
**Krone Kreutz F Co. (Models), 204 1st, San** Francisco, Cal.
**Lancaster Machine & Structural Works** (Wood), Lancaster, Pa.
**LEBANON GEAR & MACHINE WORKS,** 17th & Forge, Lebanon, Pa.
*See adv index at end of book*
**Leetsdale Fdry. & Mfg. Co. (Wood &** Metal), Leetsdale, Pa.
**Levi Benjamin, 355 W B'way, New York**
**Lipe, W. C., Syracuse, N. Y.**
**Loeffelholz Co. (Brass), Milwaukee, Wis.**
**Logan Edw. Machine Co., Trenton, N. J.**
**Loshbough-Jordan Tool & Machine Co.,** Elkhart, Ind.
**McClure John C. (Wood), 21 Hackett,** Newark, N. J.
**McFarland Foundry & Machine Co., Tren**ton, N. J.
**McNamara-Koster Foundry Co. (Patterns** & Models), Indianapolis, Ind.
**M. & N. Pattern & Model Works (Archi**tectural & Ornamental), 448 N Halsted, Chicago, Ill.
**Mahoming Pattern Co. (All Kinds of Pat**terns), Youngstown, O.
**Mansfield Pattern Works, Mansfield, O.**
**Melvin Bros. Pattern Works, 37½ S Scioto,** Columbus, O.
**Mersfelder's W. L. Pattern Works (Metal & Wood), Lawrence & Friendship, Cincinnati, O.**
**Michigan Pattern & Machine Works, 1085** Jeff. av, E. Detroit, Mich.
**Miller Engine & Foundry Wks. ("Miller"),** 2652 Long Beach av, Los Angeles, Cal.
**Modern Pattern Co. (Wood & Metal), 150** Clinton, Milwaukee, Wis.
**Modern Pattern Co., Springfield, Ohio**
**Morner & Smith (Wood & Metal), Dayton,** Ohio
**Mueller Rudolph, Milwaukee, Wis.**
**Mummert-Dixon Co., Hanover, Pa.**
**Munson E. G. (Wood & Iron), Utica, N. Y.**
**Murphy Foundry Co., Beaver Falls, Pa.**
**Nacke A. & Son (Metal), 236 S 9th, Phila.,** Pa.
**Neslage Herman F., St. Louis, Mo.**
**Nestor Mfg. Co., 40 W 13th, New York**
**New Britain Tool Co., New Britain, Conn.**
**New Brunswick Iron Works (Patterns** Only), New Brunswick, N. J.
**Niagara Falls Metal Stamping Works (In** Metal), Niagara Falls, N. Y.
**NICHOLLS WM. H. CO. INC., 2 College** pl, B'klyn, N. Y.
*See adv index at end of book*
**Niemeyer W. H. & Co., Bush & Severn,** Baltimore, Md.
**Nobach W. J. Pattern Works, 411 S.** Clinton, Chicago, Ill.
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**W. J. Nobach Pattern Works**
**411-413 S. Clinton St., Chicago, Ill.**
**PATTERNS**
of wood, brass, aluminum match plates, stripper plates, machine mounted patterns and light manufacturing.

**Noble Henry A. Co., 305 N 2d, Phila., Pa.**
**Octo Engineering Ass'n, Inc., Rochester,** N. Y.
**O'Gorman Thos. F., 114 Centre, New York**
**Ohio Brass & Pattern Co. (Metal), Can**ton, O.
**Ohio Pattern Works (Wood & Metal), 2730** Spring Grove av, Cincinnati, O.
**Owren Casting Co. (Metal), Attleboro,** Mass.
**Parker W. T. Mfg. Co. (Wood & Metal),** Springfield, O.
**Pauly Bros., Springfield, O.**
**Peerless Pattern Works Co., 1368 E 34th,** Cleveland, O.
**Penna. Stove Pattern Works (Stoves & Machine Patterns), 215 N 2d, Phila., Pa.**
**Philadelphia Roll & Machine Co. (Pat**terns), 25th & Washington av, Phila., Pa.
**Phoenix Iron Works, Portland, Ore.**
**Pitz John F., 21 Rose, New York**
**Plainfield Pattern Works, 509 Berckman,** Plainfield, N. J.
**Portland Iron Works, 14th & Northrup,** Portland, Ore.
**Price Bros., Frederick, Md.**
**Pueblo Foundry & Machine Co. (Wood &** Metal), Pueblo, Colo.
**Quincy Patttern Co. (Wood & Metal),** Quincy, Ill.
**Rabe Otto, 158 N Desplaines, Chicago, Ill.**
**Reliance Pattern Works (Wood), 3202** Smallman, Pittsburgh, Pa.
**Reynolds Machine Co., Massilon, O.**
**Richmond Standard Mfg. Co., Richmond,** Ind.
**Roanoke Iron Works, Roanoke, Va.**
**San Diego Machine Co., San Diego, Cal.**
**Sawin L. H., Gardner, Mass.**
**Schraner A. P. (Wood & Metal), Payne** av E 23rd, Cleveland, O.
**Schmidt F. L. Co., 11th av & 21st, New** York

PATTERNS & MODELS—continued

Schwab R. J. & Sons Co. (Wood & Metal), 283 Clinton, Milwaukee, Wis.
Schwabe F. J. & Son, Ft. Wayne, Ind.
Scully Pattern & Model Works, S W cor 5th & Delaware, Kansas City, Mo.
Shafer O. J. (Wood), 207 E 6th, Cincinnati, O.
Shepard Amos L. (Models & Metal & Wood Patterns), Plantsville, Conn.
Sloan Novelty Mfg. Co., S W cor 20th & Wyandotte, Kansas City, Mo.
Soderstrom E. (Wood), Wichita, Kans.
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
Standard Cast Iron Pipe & Foundry Co., Bristol, Pa.
Standard Pattern Co. (Patterns of All Kinds), 28th & Spruce way, Pittsburgh, Pa.
Standard Pattern Works (Wood & Metal), 144 Fort E, Detroit, Mich.
Standard Pattern Works Co. (Gear Patterns Specialty, Wood & Metal), 5332 St. Clair av, Cleveland, O.
Standard Pattern Works (Wood & Metal), 14 Railroad, Rochester, N. Y.
Stearns E. C. Co. (Wood & Metal), 450 Oneida, Syracuse, N. Y.
Steiner Mfg. Works (Metal), Erie, Pa.
Stocklin W. C. Co., Columbus, O.
Stierlin Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Strickland Pattern Works (Wood & Metal) Chattanooga, Tenn.
Stuart Foundry Co., 207 Junction, Detroit, Mich.
Superior Foundry Co (Wood & Metal), 71st & W. & L. E. Ry., Cleveland, O.
Superior Pattern Works Co., 1247 Marquette rd, Cleveland, O.
Sweet & Doyle Foundry & Machine Co., Green Island, N. Y.
Taylor C. P., Rockford, Ill.
Tenney A. E. Mfg. Co., Pawtucket, R. I.
Thomson S. H. Mfg. Co., Dayton, O.
Townsend Foundry & Machine Shop Co., Broadway & Rensselear, Albany, N. Y.
*See adv index at end of book*
Trenton Pattern Works (Wood), Trenton, N. J.
Trumbull Mfg. Co. (Patterns), Warren, O.
Twentieth Century Brass Works Co. (Metal), 514 5th av, S Minneapolis, Minn.
Universal Fdry. Co., Oshkosh, Wis.
Universal Mach. & Tool Co. (Metal), Canton, O.
Universal Pattern Works (Wood), 909 State av, Cincinnati, O.
Utica Steam Engine & Boiler Wks, Utica, N. Y.
Vedder Pattern Works (Wood & Iron for Stoves and Heaters), Troy, N. Y.
Walker Bros. Co. (Wood & Metal), Syracuse, N. Y.
Walker R. W. (Wood & Metal), Lawrence, Mass.
Wallace J. D. & Co., 1401 W Jackson blvd, Chicago, Ill.
Washburn Lettic R. & Co. (Patterns & Models), New Bedford, Mass.
Weller Pattern Co. (Wood & Metal for Stove Furnace & Machy.), Quincy, Ill.
Wellman Products Co. (Large Patterns for Machines a Specialty), 1444 E 40th, Cleveland, O.
Western Foundry & Machine Works (Wood & Metal), Topeka, Kans.
Western Iron & Foundry Co. (Wood), Wichita, Kans.
Western Pattern & Mfg. Co. (Wood or Metal), Moline, Ill.
Weydell F. O., 12 S Clinton, Chicago, Ill.
White & Kilroy, 1303 Monadnock bldg, Chicago, Ill.
Worcester Pattern & Model Co., Worcester, Mass.
Wunsch & Washburn ("Paramount"), Stone av & McDougal Brooklyn, N. Y.
York Pattern Works, York, Pa.

## Paulins

See Tarpaulins; also Tents, Contractors'

## 10771—Paving Blocks (Asphalt)

Asphalt Block Pavement Co. (& Flooring), Toledo, O.
Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
Hastings Pavement Co., 25 Broad, New York
International Creosoting & Construction Co. (Creosoted), Galveston, Tex.; Works: Beaumont, Tex.
Taylor Ronald Co., 520 E 20th, New York

## 10772—*Paving-Asphalt (Plants & Dyes)

Cummer F. D. & Son Co., Superior Arcade, Cleveland, O. *See adv index at end of book*

**CUMMER PORTABLE ROAD PLANTS AND STATIONARY PLANTS**
ALL SIZES
**THE F. D. CUMMER & SON CO.**
**Superior Arcade, Cleveland, Ohio, U. S. A.**

## Paving Blocks (Cedar)

See Paving Blocks, Wood

## Paving Blocks (Creosoted)

See Paving Blocks, Wood

## 10773—Paving Blocks (Fire Clay)

See also Brick, Vitrified Paving

Standard Firebrick Co., Diamond Bank bldg, Pittsburgh, Pa.
West Virginia Fire Clay Mfg. Co., Diamond Bank bldg, Pittsburgh, Pa.

## 10774—Paving Blocks (Granite)

See also Granite Producers, Workers & Dealers

American Granite Co., 15th & Cleveland av, Milwaukee, Wis. Quarries: Granite Heights, Wis.
Bodwell Granite Co., Rockland, Me.
Booth Bros. & Hurricane Isle Granite Co., 208 B'way, New York
Booth & Flinn (Ltd.), 1942 Forbes av, Pittsburgh, Pa.
Flynt W. N. Granite Co., Monson, Mass.
French Greek Granite Co., St. Peters, Pa.
Guilford & Waltersville Granite Co., Law bldg., Baltimore, Md.
Hallowell Granite Works, Hallowell, Me.
Hildreth Granite Co., 31 State, Boston, Mass.
Lanpher H. S. & Co. (Producers), 90 West, New York
Leopold J. & Co., 233 B'way, New York
New England Granite Works, Westerly, R. I.
North Carolina Granite Corp., Mt. Airy, N. C.
Prout Bros., Quincy, Mass.
**ROCKPORT GRANITE CO.**, Rockport, Mass.
Schneider Granite Co., 2140 De Kalb, St. Louis, Mo. Quarries, Graniteville, Mo.
Skrainka Construction Co., Security bldg, St. Louis, Mo.
Swenson Jno. Granite Co., Concord, N. H.
Webb Granite & Const. Co., Mardborough, N. H.
Winnsboro Granite Corp., Rion, S. C.
Wisconsin Granite Co., 11 S La Salle, Chicago, Ill.

## 10775—Paving Blocks (Stone)

Delaware River Quarry & Construction Co. ("Belgian"), 390 George, Jersey City, N. J.
Kettle River Co., Madison, Ill.

## Paving Blocks (Vitrified)

See Brick Manufacturers, Vitrified Paving; Indicated by a Star (*) in Front of Name

## 10776—Paving Blocks (Wood)

See also Creosoting Works

American Creosoting Co. (Creosoted), 17 Battery pl, New York. Works: Newark, N. J.
**AMERICAN CREOSOTING CO.** (Creosoted, Bogalusa, La.
*See adv index at end of book*
American Creosote Works, Southport, New Orleans, La.
Ayer & Lord Tie Co. (Creosoted), 80 E Jackson blvd, Chicago, Ill.
Compressed Wood Preserving Co (Creosoted), Spring Grove & Station avs, Winton pl, Cincinnati, O.
Creosoted Materials Co., Inc., Queen & Crescent bldg, New Orleans, La.
Gulfport Creosoting Co. (Creosoted), Gulfport, Miss.
Jennison-Wright Co. (Creosoted), Toledo, O.
Kettle River Co. (Creosoted), Madison, Ill.
Leopold J. & Co., 233 B'way, New York
Michigan Wood Preserving Co. ("Century" Creosoted), Century bldg, Pittsburgh, Pa.
National Lumber & Creosoting Co. (Creosoted), Texarkana, Ark.
Ohio Wood Preserving Co., The, Century bldg, Pittsburgh, Pa.
Pacific Creosoting Co., Seattle, Wash.
Peirce W. E. & Co., Milford, N. H.
Pittsburgh Wood Preserving Co. ("Century"), Century bldg, Pittsburgh, Pa.
Puget Sound Wood Preserving Co. (Creosoted), Lowell, Wash.
Republic Creosoting Co. ("Kreodone," Creosoted), Merchants Bank bldg, Indianapolis, Ind.
*See adv index at end of book*
Southern Creosoting Co., Ltd. (Creosoted), Slidell, La.
Southern Wood Preserving Co. (Creosoted), Atlanta, Ga.
Sterling W. C. & Son (Cedar), Monroe, Mich.
United States Wood Preserving Co. ("Creo-Resinate" Process), 165 B'way, New York. Works: Buell, Va.
Wyckoff Pipe & Creosoting Co. (Creosoted), 30 E 42d, New York

## Pea Fillers

See Can Filling Machines

## 10777— Peavies

See also Tools, Logging

American Logging Tool Co., Evart, Mich.
Columbus Handle & Tool Co., Columbus, Ind.
Gerlach Peter Co., 1712 Winter, Cleveland, Ohio
Concrete Machinery, Dunellen, N. J.
Prouty C. & Co. (Also Peavie Handles), Eldred, Pa.
Warren Axe & Tool Co., Warren, Pa.

## 10778—Pedals (Automobile Horn)

Williams J. H. & Co. (Drop-Forged), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 10779—Pedals (Bicycle & Motor Cycle)

Continental Rubber Works ("Vitalic"), Erie, Pa.
Stevens & Co., 375 B'way, New York
Torrington Co., The Standard Plant Co. ("Star")

## 10780—Pedals (Muffler Cut-Out)

Hill-Smith Metal Goods Co. ("H. S."), 82 Brookline av, Boston, Mass.

## 10781—*Pedestals (Ornamental)

Herwig Art Shade & Lamp Co. (Illuminated), 2140 N Halsted, Chicago, Ill.
*See adv index at end of book*

## 10782— Pedestals (Radiator)

Atlas Radiator Pedestal Co. ("Star," "Bicycle," "Standard," "Slip Axle," "Motor Cycle," "Bridgeport," "Standard" & "Pirate"), 102 William, Norwich, Conn.
Jennison Co. (Jennison Adjustable), Fitchburg, Mass.

## 10783— Pedestals (Sun Dial)

Hartmann Sanders Co., 2155 Elston av, Chicago, Ill.

## 10783a—Pedestals (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 10784— Pedometers

American Pedometer Co. ("American": Tells How Far You Walk), New Haven, Conn.

## Peelers (Fruit, etc.)

See Parers, Fruit & Vegetable

### 10784a— Pegs (Bluing)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 10784b— Pegs (Brush)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 10784c— Pegs (Clothes)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*

### 10784d—*Pegs (Dental Polishing)

Bogert & Hopper, Inc (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

### 10784e— *Pegs (Hat)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

### 10785— Pegs (Husking)

Boss Mfg. Co., Kewanee, Ill.
**Thomas R. N. Co., Shenandoah, Ia.**

### 10785a—*Pegs (Kindergarten)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

### 10786— Pegs (Shoe)

**Crawford, McGregor & Canby Co., Dayton, O.**
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
**Foster Jacob R., Plymouth, N. H.**
Hale-Boardman John M., Inc., 120 Liberty, New York
**Kearsarge Peg Co., Bartlett, N. H.**
Kingsley E. B., Salisbury Center, N. Y.
**Moore C. C., Lisbon, N. H.**
**Moore Peg Co., Lisbon, N. H.**

### 10787— Pegs (Wood)

Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper, Inc. (Hat, Clothes, Tent, Kindergarten, etc), 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS** (Hat, Clothes, Shoe, Tent, Kindergarten, etc), 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 10788— Pencil Timber

**Cedar Products Co. (Cedar, Slats), Alton Park, Tenn.**
**F. & O. Cedar Works, Ltd., 40 Murray, New York**
Germania Cedar Works, Christiana, Tenn.
Gulf Red Cedar Co. (Cedar Slats), Richmond, Va.
Murfreesboro Mfg. Co. (Red Cedar Slats), Murfreesboro, Tenn.

### 10789—Pencils (Advertising)

**Advertising Pencil Co., 248 Pearl, New York**
**Blanchard Bros., 8th av & 19th, Brooklyn, N. Y.**
**Erickson C. E. & Co., Des Moines, Ia.**
Grammes L. F. & Sons, 344 Union, Allentown, Pa. *See adv index at end of book*
**Imprint Pencil Co., 530 B'way, New York**
Pencil Exchange, 73 Fleet, Jersey City, N. J. *See adv index at end of book*


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JERSEY CITY, N. J.


**Pencil Printing Co., 140 S 4th, Philadelphia, Pa.**
R. I. Advertising Lead Pencil Co., Rock Island, Ill.
**Souvenir Lead Pencil Co., Cedar Rapids, Ia.**
**Standard Pencil Co., 1822 Locust, St. Louis, Mo.**
Union Pencil Co. ("Union," Unipeco"), 33 Union sq, New York
Unique Novelty Co., Independence, Ia.

### 10790—Pencils (Camel's Hair)

**Devoe & Raynolds Co., Inc. (Throat, Split Quills, Water Color, Japanners, etc), 101 Fulton, New York**
*See adv index at end of book*
**Hanlon & Goodman Co., 270 Pearl, New York**
**Mayer Leopold, 83 Warren, New York**
**Whiting J. L., Adams J. J. Co., 690 Harrison av, Boston, Mass.**

### 10791—Pencils (Chalk, Propelling & Repelling)

**Doggett Stanley, 11 Cliff, New York**

### 10792— Pencils (Clutch)

Barnett Ira, 61 Beekman, New York
Dunn & Rodenberg, Baker, Providence, R. I.
Eversharp Pencil Co., 1800 Roscoe, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hoge Mfg. Co. ("Modern"), 45 John, New York
Salz Bros., 71 W 35th, New York
**Shabeck John C. L., 245 W Exchange, Providence, R. I.**

### 10793-4-5—Pencils (Copying Ink)

Barnett Ira, 61 Beekman, New York
**Dixon Joseph Crucible Co., Jersey City, N. J.**

## Pencils (Crayon)

See Crayons & Pencils, Metal Workers

### 10796-7—Pencils (French Chalk)

Nevins Saml. Co., 109 S 2d, Phila., Pa.

### 10798— Pencils (Lead)

American Lead Pencil Co. ("Venus," "Velvet"), 220 5th av, New York
Best Richard, 54 Lafayette, New York
Blaisdell Paper Pencil Co. (Paper), 141 Berkeley, Phila., Pa.
**Brown Gordon (Paper), 90 W B'way, New York**
Dietzgen Eugene Co. (Drawing), 166 W Monroe, Chicago, Ill.
Dixon Joseph Crucible Co. ("Eldorado" Master Drawing & "Ticonderoga"), Jersey City, N. J.
Eagle Pencil Co., E 13th, New York
Faber A. W. (Castell"), 41 Dickerson Newark, N J
**Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.**
National Pencil Co., Atlanta, Ga
**PENCIL EXCHANGE** (Specialties for Advertising), 73 Fleet, Jersey City, N. J.
*See adv index at end of book*
Shanklin Mfg. Co. (Magazine), Springfield, Ill.
**Standard Pencil Co., 1824 Locust, St. Louis, Mo.**
Union Pencil Co. ("Union", "Unipeco"), 33 Union sq, New York
Wahl Co. (Ever-Sharp Pencil), 1800 Roscoe, Chicago, Ill.

### 10799— *Pencils (Lumber)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

### 10800— Pencils (Slate)

Doggett Stanley (Artificial), 11 Cliff, New York
Illfelder B. & Co. (Artificial), 29 Union sq, New York
Steward D. M. Mfg. Co. ("Compo."), Chattanooga, Tenn.

### 10801-2—Pencils (Talc & Soapstone)

Adams D. C. Crayon Co., 125 Market, St. Louis, Mo.
Cohutta Talc Co. (Soapstone; also Crayon), Dalton, Ga.
Dixon Joseph Crucible Co., Jersey City, N. J.
Doggett Stanley, 11 Cliff, New York
Georgia Talc Co., Asheville, N. C.
Steward D. M. Mfg. Co., Chattanooga, Tenn.

### 10802a—*Pencils (Welding)

### 10803— Pendants (Wiring)

Fletcher W. Co. ("Etheridge"), Dayton,

### 10804— Pendulameter

**Norton Grinding Co., Worcester, Mass.**

### 10804a— Penetrometers

Braun-Knecht-Heimann Co. (N. Y. Testing Laboratory), 576-584 Mission, San Francisco, Cal.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
**Eimer & Amend, 205 3rd av, New York**

### 10805— Penholders

Amer. Lead Pencil Co., 220 5th av, New York
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
Center Shaft Penholder Co., Hanover, Pa.
Dixon Joseph Crucible Co., Jersey City, N. J.
Estes E. B. & Sons, 364 5th av, New York. *See adv index at end of book*


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364 5th AVENUE NEW YORK CITY


**Esterbrook Steel Pen Mfg. Co., Camden, N. J.**
Faber Eberhard Pencil Co., 37 Greenpoint av, Brooklyn, N. Y.
Pencil Printing Co. (Advertising), 140 S 4th, Phila., Pa.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Union Pearl Works (Pearl), 43 W 27th, New York. Works: Brooklyn, N. Y.
Union Pencil Co. (Advertising), ("Union," "Unipeco"), 33 Union sq, New York

### 10806— Pennant Mfrs.

See also Flag Mfrs.

Annin & Co., 99 Fulton, New York
Art Graphic Co., 129 Fulton, New York
Beverly Mfg. Co., Staunton, Va.
Bradford & Co., St. Joseph, Mich
Chicago Pennant Co., 1310 E 61st, Chicago, Ill.
**Donaldson Art Sign Co., 21st & L. N. R. R. Cov, Cincinnati, O.**
**Hoffmann-Corr Mfg. Co., 312 Market, Phila., Pa.**
Mortenson Samuel & Co., 833 W Jackson blvd, Chicago, Ill.
Pacific Pennant & Novelty Co., Los Angeles, Cal.

PENNANT MFRS.—continued

Pennant Novelty Co., 322 B'way, New York
**Rod Pennant Mfg. Co., 3 Watkins, Brooklyn, N. Y.**
Sternthal F. Co. (Felt), 217 W Madison, Chicago, Ill.
Triangle Pennant Co., 160 N 5th av, Chicago, Ill.
Wales H. A. Co. (Who. Dlrs.), Bridgeport, Conn.

## 10807—Pens (Calf, Cow & Bull)

James Mfg. Co. ("James"), Ft. Atkinson, Wis.
**Libby C. A. Co. ("Libbey"), Oshkosh, Wis.**
Louden Machinery Co., Fairfield, Ia.
**Rassmann F. Mfg. Co., Beaver Dam, Wis.**

## Pens (Fountain)

**See Fountain Pen Mfrs.**

## 10808— Pens (Gold)

Acme Gold Pen Co., 17 Vandewater, New York
Barnett Ira, 61 Beekman, New York
Gaydoul Gold Pen Co., 50 John, New York
Hicks Wm. Mather, 235 Greenwich, New York
**Horn M. T. Co., 114 Park pl, New York**
Pearce F. T. Co., 85 Sprague, Providence, R. I.
Todd Edw. & Co., 1 W 34th, New York
Willard Pen Co., 175 Fifth av, New York

## 10809— Pens (Gold Plated)

Hunt C. Howard Pen Co. (For Fountain Pens), Camden, N. J.
Turner & Harrison Pen Mfg. Co. (For Fountain Pens), 1211 Spring Garden, Phila., Pa.

## 10810— Pens (Ruling)

Alteneder Theo & Sons, 1217 Spring Garden, Phila., Pa.
Dredge A. Ruling Pen Co., 75 Gold, New York
Hickok W. O. Mfg. Co., Harrisburg, Pa.
Keuffel & Esser, Hoboken, N. J.

## 10810a— Pens (Shading)

Newton Automatic Shading Pen Co., Pontiac, Mich.
New York Blue Print Paper Co., 102 Reade, New York

## 10811—Pens (Show Card Lettering)

Keuffel & Esser Co. ("Payzant"), Hoboken, N. J.

## 10812— Pens (Steel)

Esterbrook Steel Pen Mfg. Co., Camden, N. J.
Graff Geo. B. Co. ("Graffco Silver Steel"), 294 Washington, Boston, Mass.
Hunt C. Howard Pen Co., Camden, N. J.
Mason W. L. & Co. ("Mason's"), Keene, N. H.
Miller Bros. Cutlery Co., Meriden, Conn.
Spencerian Pen Co., 349 B'way, New York
Turner & Harrison Pen Mfg. Co., ("Isaacs"), 1211 Spring Garden, Phila., Pa.

## 10812a— *Pensticks

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*

## 10813— Penstocks

**Atlantic Works, 80 Border, East B, Boston, Mass.**
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
**Brennan John & Co., 24th & M. C. R. R., Detroit, Mich.**
Casey-Hedges Co., Chattanooga, Tenn.
Chicago Bridge & Iron Works (Large Riveted Steel), 2105 Old Colony bldg, Chicago, Ill. *See adv index at end of book*
Connery & Co., 2d & Luzerne, Phila., Pa.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Dillon D. M. Steam Boiler Works, Fitchburg, Mass.
**DOVER BOILER WORKS.** Sales Offices: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp., East Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa. *See adv index at end of book*
Humphrey Machine Co., Keene, N. H.
Hunt Rodney Machine Co., Orange, Mass.
**International Engineering Works, Framingham, Mass.**
Keeler E. Co., Williamsport, Pa.
**Kittoe Boiler & Tank Co. (Inc.), Canton, O.**
Leslie Elliott & Co., Paterson, N. J.
McAleenan Bros. Co., 25th & G. V. R. R., Pittsburgh, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
**Manitowoc Engineering Works, Manitowoc, Wis.**
Mitchell, Tappen Co., 15 John, New York
**Muskegon Boiler Works, Muskegon, Mich.**
**New England Iron Works Co., Summer, Boston, Mass.**
Platt Iron Works Co., Dayton, O.
Pollock Wm. B. Co., Youngstown, O.
Portland Co., Portland, Me.
Riter-Conley Co. (Steel only), Oliver bldg, Pittsburgh, Pa.
Scannell Boiler Works, Lowell, Mass.
Smith Samuel & Son Co., Paterson, N. J.
Stafford Wright & Son, Lawrence, Mass.
**STEARNS A. T. LUMBER CO.** (Wood), 100 Taylor, Neponset, Boston, Mass. *See adv index at end of book*
Stevens Tank & Tower Co. (Wood), Auburn, Me.
Tippett & Wood, Phillipsburg, N. J.
Tofte Boiler & Sheet Iron Works, Houston, Texas
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Walsh's Boiler & Iron Works, Springfield, Mass.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wolf Co. (Cast Iron & Steel Plate), Chambersburg, Pa.

## 10813a—*Perches (Bird Cage)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 Fifth av, New York. *See adv index at end of book*

## 10814—Perches (Examining)

Tillotson Humidifier Co., 78 Fountain, Providence, R. I.

## 10815—Percolators (Chemical Works)

**Devine J. P. Co., Buffalo, N. Y.**
**Philadelphia Coppersmithing Co., 222 N Front, Phila., Pa.**
Stuart & Peterson Co., Burlington, N. J.
Young Bros. Co., 666 Mack, Detroit, Mich.

## 10816— Percolators (Coffee)

**Aluminum Products Co. (Aluminum), La Grange, Ill.**
Aluminum Ware Mfg. Co., Inc., Elmira, N. Y.
**American Electrical Heater Co., Detroit, Mich.**
Bowman Geo. H. Co. ("Bowman" Swissalu Aluminum), 224 Euclid av, Cleveland, O.
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Buffalo Mfg. Co., Buffalo, N. Y.
Burritt O. W. & Bro. ("Harrington" Tea & Coffee), Weedsport, N. Y.
Crystal Percolator Co. ("Filtrola"), 44 E 23d, New York
Edison Electric Appliance Co., Inc. (Hotpoint Division) ("El Perco" Electric), 5600 W Taylor, Chicago, Ill.
International Silver Co., Meriden, Conn.
Justrite Mfg. Co. 2061 Southport av, Chicago, Ill.
Keyes-Davis Co., Battle Creek, Mich.
Landers, Frary & Clark ("Universal," "Thermax"), New Britain, Conn.
Lisk Mfg. Co. (Enameled), Canandaigua, N. Y.
Manning Bowman & Co., Meriden, Conn.
New England Enameling Co. ("Ideal"), Middletown, Conn.
New York Stamping Co. ("Empress"), N 11th & Berry, Brooklyn, N. Y.
Prisk Wm. M. & Sons Mfg. Co., Yalesville, Conn.
Rochester Stamping Co. (Electric & Alcohol), Rochester, N. Y.
**Rome Mfg. Co., Rome, N. Y.**
Silex Co. ("Silex"), 45 High, Boston, Mass.
Silver & Co. ("Marion Harland"), 204 Hewes, Brooklyn, N. Y.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Standard Spinning & Stamping Co., Toledo, Ohio
Sternau S. & Co., 9 E 37th, New York
Sutterley G. T. Co., 172 N 2nd, Phila, Pa.
Sweeney W. H. Mfg. Co. (Copper, Nickel & Aluminum), 30 Main, Brooklyn, N. Y.
Toledo Cooker Co. ("Ideal"), Toledo, O.
Wagner Mfg. Co. ("Wagner Ware" Aluminum), Sidney, O.
West Bend Aluminum Co., West Bend, Wis.
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Electric), East Pittsburgh, Pa. *See adv index at end of book*

## 10816a—*Percolators (For Oil & Grease Extraction)

**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O. *See adv index at end of book*

## 10816b— *Percolators (Garbage Grease, Etc.)

**KUTZTOWN FOUNDRY & MACHINE CO.** (Rotary), 1421 Chestnut, Phila., Pa. *See adv index at end of book*

## 10817—Percolators (Pharmaceutical)

Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.

## 10818—Perforators (Postage Stamp)

American Perforator Co., 621 W Jackson blvd, Chicago, Ill.

## 10818a—Perfume Dresser Stands & Bottles

The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.

## 10819— Periscopes

Bausch & Lomb Optical Co., Rochester, N. Y.

## 10820— *Permeaters

Holz & Co., Inc. ("Fahy"), 18 Madison av, New York *See adv index at end of book*

## Peroxide of Hydrogen

(See Hydrogen Peroxide)

## Peroxide of Manganese

(See Manganese Peroxide)

## Peroxide of Sodium

(See Sodium Peroxide)

## 10821— *Pestles

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*

## 10822— Petrolatum

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa. *See adv index at end of book*
Binghamton Oil Refining Co., Binghamton, N. Y.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Chesebrough Mfg. Co. ("Vaseline"), 17 State, New York
Clarendon Refining Co., Clarendon, Pa.
Clark F. C., 316 Kinzie, Chicago, Ill.
Clark Fred S. Co., 1081 W 11th, Cleveland, Ohio
Connewango Refining Co., Warren, Pa.
Crew-Levick Co., Land Title bldg., Phila., Pa.
Daugherty W. H. & Son, Refining Co., Petrolia, Pa.

Freedom Oil Works Co., Freedom, Pa.
Fuller Ralpth L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
*See adv index at end of book*
Monitor Oil Co., Cleveland, O.
Pennsylvania Refining Co., Karns City, Pa.
Petrolia Refining Co., Petrolia, Pa.
Quaker City Supply Co., Land Title bldg, Phila., Pa.
Standard Oil Co., 555 W 25th, New York
Texas Company, 17 Battery pl, New York
*See adv index at end of book*

## 10823—Petroleum & Its Products

**ADMIRAL PETROLEUM CO.**, 215-16 Bessemer, bldg, Pittsburgh, Pa.
*See adv index at end of book*
Advance Oil Co., Oil City, Pa.
Amalgamated Oil Co., Pacific Electric bldg., Los Angeles, Cal.
American Oil & Tank Line Co., St. Paul, Minn.
American Oil Works (Ltd.), Titusville, Pa.
American Petroleum Products Co., 196 Water, New York
Ardmore Refining Co., Ardmore, Okla.
Asiatic Petroleum Co. N. Y. Ltd., 233 B'way, New York
Asphaltum & Oil Refining Co., Los Angeles, Cal.
Associated Oil Co., Sharon bldg, San Francisco, Cal.
Atlantic Refining Co., 3144 Passyunk av Phila., Pa.
**BELL OIL CORP.**, 109 Broad, New York
Bessemer Refining Co., Titusville, Pa.
Bigheart Producing & Refining Co., Tulso, Okla.
Buffalo Refining Co., 77 Main, Buffalo, N. Y.
Caddo Oil & Refining Co. of Louisiana
California Fresno Oil Co., Fresno, Cal.
Camp Harry E., Bradford, Pa.
Canfield Oil Co., 3210 E 55th, Cleveland, O
Capitol Refining Co., Stockyards, Cal.
Central Refining Co., Lawrenceville, Ill.
Clarendon Refining Co., Clarendon, Pa.
Clark Fred. G. Co., 1081 W 11th, Cleveland, O.
Columbia Oil Co. of N. Y., 15 William, New York
Conewango Refining Co., Warren, Pa.
Constantin Refining Co., Tulsa, Okla.
Consumers' Refining Co., 76 W Monroe, Chicago, Ill.
Continental Mexican Petroleum Co., 71 B'way, New York
Continental Refining Co., Oil City, Pa.
Cornplanter Refining Division, Warren, Pa.
Cosden & Co., Tulsa, Okla.
Crew-Levick Co., Land Title bldg, Phila., Pa.
Crystal Oil Works, Oil City, Pa.
Cushing Refining Co., Cushing, Okla.
Dougherty W. H. & Son Refining Co., Petrolia, Pa.
Emery Mfg. Co., Bradford, Pa.
Emlenton Refining Co., Emlenton, Pa.
Empire Oil Works, Oil City, Pa.
Foco Oil Co. (Jobbers), Franklin, Pa.
General Petroleum Co., Alaska Commercial bldg, San Francisco, Cal.
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Gulf Refining Co., Frick bldg. annex, Pittsburgh, Pa.
Hercules Oil Refining Co., E 30th, Los Angeles, Cal.
Independent Refining Co. (Ltd.), Oil City, Pa.
Indiahoma Refining Co., East St. Louis, Ill.
Indian Refining Co. (Crude Petroleum), 244 Madison av, New York
Indian Territory Illuminating Oil Co., Bartlesville, Okla.
International Refining Co., Columbus, Ohio
Island Petroleum Co., Neville Island, Pittsburgh, Pa.
Jordan Oil Co., E 28th, Los Angeles, Cal.
Kansas Co-Operative Refining Co., Kansas City, Mo.
Kendall Refining Co., Bradford, Pa.
Layton Park Oil & Soap Co., 29th & Forest Home avs, Milwaukee, Wis.
Louisiana Oil Refining Co., Shreveport, La.
Magnolia Petroleum Co., Galveston, Tex.
Mexican Petroleum Co., Los Angeles, Cal.
Midland Petroleum Co., 111 W Monroe, Chicago, Ill.
Midwest Refining Co., Denver, Colo.
Miller's A. D. Sons Co., Columbus & Preble, Pittsburgh, Pa.
Milliken Refining Co., Merchants Exch. bldg, St. Louis, Mo.
Muskogee Refining Co., Muskogee, Okla.
Mutual Oil Co., Interstate bldg., Kansas City, Mo.
Mutual Refining Co (Ltd.), Warren, Pa.
National Oil Refining & Mfg. Co., Bakersfield, Cal.
National Refining Co., Rose bldg., Cleveland, O.
Ohio Cities Gas Co., Columbus, Ohio
Okmulgee Producing & Refining Co., Tulsa, Okla.
Pacific States Refining Co., Fruitvale, Cal.
Pan-American Refining Co., Tulsa, Okla.
Paragon Refining Co., Toledo, O.
Pavania Oil Co., Warren, Pa.
Pennsylvania Oil Products Ref. Co., Eldred, Pa.
Pennsylvania Paraffine Wks., Titusville, Pa.
Penn American Refining Co., Oil City, Pa.
Petroleum Products Co., 3917 Nevile, Pittsburgh, Pa.
Petroleum Refining Co., 156 N La Salle, Chicago, Ill.
Petrolia Refining Co., Petrolia, Pa.
Phoenix Oil Co., 2554 W 5th, Cleveland, O.
Phoenix Refining Co., Tulsa, Okla.
Pierce Oil Corp., Bank of Com. bldg, St. Louis, Mo.
Pinal Dome Refining Co., Santa Maria, Cal.
Pittsburgh Oil Refining Co., Pittsburgh, Pa.
Producers Refining Co., Gainesville, Tex.
Producers & Refiners Oil Co., 248 4th av, Pittsburgh, Pa.
Puente Oil Co., Chino, Cal.
Pure Oil Co., Lafayette bldg, Phila., Pa.
Quaker City Supply Co., Land Title bldg Phila., Pa.
Richfield Oil Co., Los Angeles, Cal.
Riverside Oil Co., Benedum Trees bldg, Pittsburgh, Pa.
Sapulpa Refining Co., Sapulpa, Okla.
Seneca Oil Works, Warren, Pa.
Shell Co. of Cal., 343 Sansome, San Francisco, Cal.
Sinclair Refining Co., Conway bldg, Chicago, Ill.
Solar Refining Co., Lima, O.
Southern Oil Corp., Tulsa, Okla.
Standard Oil Co. of Cal., 200 Bush, San Francisco, Cal.
Standard Oil Co. (Medicinal), 910 S. Michigan av, Chicago, Ill.
Standard Oil Co. of La., Baton Rouge, La.
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Socony"), 555 W 25th, New York
Standard Oil Co. of Ohio, E Ohio Gas bldg., Cleveland, O.
Sun Co., Finance bldg, Phila., Pa.
Superior Oil Works, Warren, Pa.
Texas Company ("Alcaid," "Aleph," "Algol," "Altan," "Aries," "Canopus," "Capella," "Cetus," "Cornus," "Dolphin," "Draw," "Hydra," "Lyon," "Nabob," "Alympio," "Pelican," "Pinnacle," "Robtex," "Solar," "Spica," "Regal," "Yosa," "Valor," "Vanguard," "Veteran," "Winner," "Zenith"), 17 Battery pl, New York
*See adv index at end of book*
Tidewater Oil Co., 11 B'way, New York
Titusville Oil Works, Titusville, Pa.
Uncle Sam Oil Co., Kansas City, Kans.
Union Oil Co., Los Angeles, Cal.
Union Petroleum Co., Widener bldg, Phila., Pa.
United Refining Co., Warren, Pa.
Utah Oil Refining Co., Salt Lake City, Utah.
Vacuum Oil Co., Rochester, N. Y.
Van Tilburg Oil Co., 2428 University av, Minneapolis, Minn.
Ventura Refining Co., 454 S Spring, Los Angeles, Cal.
Warren Refining Co., Warren, Pa.
Webster Refining Co., Jennings, La.
Wilburine Oil Works (Ltd.), 11 B'way, New York
Wilhoit Refining Co., Springfield, Mo.
Yosemite Oil Refining Co., Cheney & Harriet, Los Angeles, Cal.

## 10824— Pew End Mfrs.

American Sash & Door Co., Kansas City, Mo.
Carr, Ryder & Adams Co. (Wholesale Mfrs.), Dubuque, Ia.
Carter Mfg. Co., Keokuk, Ia.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Moore Mfg. Co., Springfield, Mo.
Peirce W. E. & Co., Milford, N. H.
Tiffin Mfg. Co., Tiffin, O.

## Phaetons

See Carriages

## Pharmaceutical Apparatus

See Pharmaceutical Machinery; also Chemical Machinery

## 10824a— Pharmaceuticals

See also Chemicals

Ames M. Chemical Works, Glens Falls, N. Y.
Beebe Laboratories, Inc., 163 3rd, St. Paul, Minn.
Bittner G. C. Co., Toledo, Ohio
Bristol Myers, Co., 281 Greene av, Brooklyn, N. Y.
Bush W. J. & Co., Inc., 100 William, New York
Chiris Antoine Co., 20 Platt, New York


ADMIRAL QUALITY PETROLEUM PRODUCTS

GASOLINE
NAPHTHA
KEROSENE
MINERAL SEAL

FUEL and GAS OILS
ROAD and BLACK OILS
CYLINDER STOCKS
NEUTRALS and WAX

CAR LOTS OR TRAIN LOADS

YOUR INQUIRIES ARE SOLICITED

ADMIRAL PETROLEUM CO., PITTSBURGH, PA.

PHARMACEUTICALS—continued

Du Pont Chemical Works, Wilmington, Del.
Flint Eaton & Co., Decatur, Ill.
Greeff R. W. & Co., 80 Maiden la, New York
Hendey Chemical Co., Inc., 72 Trinity pl, New York
Lambert Chemical Co., St. Louis, Mo.
Lilly Rli & Co., Indianapolis, Ind.
McKesson-Robbins, 91 Fulton, New York
Merrell W. S. Co., 6th & Pike, Cincinnati, Ohio
Morgenstern & Co., 31 Park pl, New York
National Aniline & Chemical Co., 21 Burling Slip, New York
National Gum & Mica Co., 59th & 11th av, New York
Organic Products Corp., Schenectady, N. Y.
Parke Davis & Co., Detroit, Mich.
Rector Chemical Co., 2 Rector, New York
Schering & Glatz, Inc., 150 Maiden, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Takamine Commercial Corp., 120 B'way, New York
Zinsser & Co., Hastings-on-Hudson, N. Y.

## 10825— Pharyngoscopes

Electro Surgical Instrument Co., Rochester, N. Y.
American Synthetic Color Co., Stamford, Conn.

## 10825a—*Phenol Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 10826— Phenolphthalein

Greef R. W. & Co., 80 Maiden Lane, New York
Monsanto Chemical Works, St. Louis, Mo.
National Aniline & Chemical Co., Inc. (Mfrs.), 21 Burling Slip, New York
New York Quinine & Chemical Works, 135 William, New York

## 10826a—Phenylenediamine (Meta)

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York

## 10826b—Phonograph (Apparatus)

See also Specific Heading
**GRAND RAPIDS BRASS CO.**, Grand Rapids, Mich. *See adv index at end of book*

## 10826c—*Phonograph Record Labels

Keystone Printed Specialties Co., 325 Pear, Scranton, Pa. *See adv index at end of book*

## 10827—Phonograph Reproducers

Heineman Otto Phonograph Supply Co., 25 W 45th, New York
Thomas Mfg. Co., Dayton, Ohio
United Mfg. & Distributing Co. ("United"), 536 Lake Shore drive, Chicago, Ill.

## Phonographs

See Talking Machines

## Phosphate of Ammonia

(See Ammonium Phosphate)

## 10828— Phosphate Rock

Alexander G. S. & Co., Inc., Savannah, Ga.
Am. Cyanamid Co., 511 5th av, New York
Arkansas Fertilizer Co. (Miners), Little Rock, Ark.
Baker H. J. & Bro. (Selling Agents), 81 Fulton, New York
Charleston S. C. Mining & Mfg. Co., Richmond, Va.
Consolidated Phosphate Co., Columbia, Tenn.
Coronet Phosphate Co. (Miners), 99 John, New York
Export Phosphate Co., 87 Milk, Boston, Mass.
Federal Chemical Co., Louisville, Ky.
Florida Mining Co., 61 B'way, New York
Florida Phosphate Mining Corp., Bartow, Fla.
Foote Mineral Co. (Imp. Apatite), 107 N 19th, Phila., Pa.
Heller Jos. S. (Also Ground & Acid Phosphate Brokers), 62 William, New York
International Ag'l Corp. (Florida Land Pebble & Tennessee), 61 B'way, New York
Lang J. M. & Co., Savannah, Ga.
Marden, Orth & Hastings Co. (Miners), 136 Liberty, New York
Mutual Mining Co., Savannah, Ga.
Palmetto Phosphate Co., Keyser bldg, Baltimore, Md.
Peters, White & Co., 55 John, New York
Phosphate Mining Co. (Miners), 55 John, New York
Prairie Pebble Phosphate Co. (Land Pebble Miners & Shippers), 61 B'way, New York
Virginia-Carolina Chemical Co., Richmond, Va.
Williams Hardware Co. (Untreated Ground for Agricultural Purposes), Williams bldg, Streator, Ill.
*See adv index at end of book*

## 10829— Phosphine

Klipstein A. & Co. (Patent for Tanners), 644 Greenwich, New York

## 10830— Phosphor Bronze

American Manganese Bronze Co., Rhawn, Phila., Pa.
Brady Brass Co., 170 14th, Jersey City, N. J.
Coates, Bennett & Reidenbach, Rochester, N. Y.
Crescent Phosphorized Metal Co. ("Crescent"), 2314 Wood, Phila., Pa.
Damascus Bronze Co. ("Damascus"), N S, Pittsburgh, Pa.
*See adv index at end of book*
Edna Brass Mfg. Co., Cincinnati, O.
Gilbert A. & Sons Brass Fdry. Co. ("Velox"), 4019 Forest Pk. bldg, St. Louis, Mo.
Great Western Smelting & Refining Co., 4100 Wallace, Chicago, Ill.
Hungerford U. T. Brass & Copper Co. (Sheets, Rods, Wire, etc), 80 Lafayette, New York
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Merchant & Evans Co., 2035 Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
**MORE-JONES BRASS & METAL CO.**, B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
New Era Mfg. Co. (White), Kalamazoo, Mich.
Phosphor Bronze Smelting Co., 2200 Washington av, Phila., Pa.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
Seligman Arthur, 165 B'way, New York
Shimer, McGlynn & Co., 19th & Washington av, Phila, Pa.
Titanium Bronze Co., Inc., Niagara Falls, N. Y.

## 10831—Phosphor Bronze Sheets

Hough W. S. Jr. Co., 61 Peck, Providence, R. I.
Hungerford U. T. Brass & Copper Co. 80 Lafayette, New York
**MERCHANT & EVANS CO.**, 2035 Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Phosphor Bronze Smelting Co. ("Elephant" Brand), 2200 Washington av. Phila, Pa.
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
Shimer, McGlynn Co., 19th & Washington av, Phila, Pa.
Stanford Rolling Mills Co., Inc., Springfield, Conn.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, and 43 No. 7th, Phila., Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-73 Washington, North Boston, Mass.
*See adv index at end of book*

## 10832— Phosphor Copper

American Boron Products Co., Inc. (Boronic In Shot Form), Reading, Pa.
Coates, Bennett & Reidenbach, Rochester, N. Y.
Crescent Phosphorized Metal Co. ("Crescent"), 2314 Wood, Phila., Pa.
Crown Smelting Co., Chester, Pa.
**DAMASCUS BRONZE CO.** ("Damascus Guaranteed" 5%, 10%, 15%), Pittsburgh, Pa. *See adv index at end of book*

PHOSPHOR COPPER and Ingot Metals

Manganese Copper, Silicon Copper, Phosphor Tin and Phosphor Bronze. These alloys are sold with the purity and stated percentages guaranteed in writing.

Made in America by

DAMASCUS BRONZE COMPANY
N. S. Pittsburgh


Eagle Smelting & Refining Works, 233 B'way, New York
More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
Nassau Smelting & Refining Works, 607 W 29th, New York
North American Smelting Co., 9th & Thompson, Phila., Pa.
Pan American Smelting Works, Calyer & Moultrie, Brooklyn, N. Y.
Richards & Company, Inc. ("Star"), 192 Beverly, Boston, Mass.
Riverside Metal Co., Riverside, N. J.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
United States Reduction Co., E Chicago, Ind.

## 10833— Phosphor Tin

Atkinson Co., Rochester, N. Y.
Coates, Bennett & Reidenbach, Rochester, N. Y.
Crescent Phosphorized Metal Co. ("Crescent"), 2314 Wood, Phila., Pa.
**DAMASCUS BRONZE CO.** ("Damascus Guaranteed," 5%), N S, Pittsburgh, Pa.
*See adv index at end of book*
Eagle Smelting & Refining Works, 233 B'way, New York
Empire Metal Co., Syracuse, N. Y.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
**MORE-JONES BRASS & METAL CO.**, B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Nassau Smelting & Refining Works, 607 W 29th, New York
New Era Mfg. Co. (Improved Metallic Phosphoro), Kalamazoo, Mich.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Pan American Smelting Works, Calyer & Moultrie, Brooklyn, N. Y.
Ricards & Company, Inc. ("Star"), 192 Beerley, Boston, Mass.
Riverside Metal Co., Riverside, N. J.
Seligman Arthur, 165 B'way, New York
United States Reduction Co., E Chicago, Ind.

## 10834— Phosphorizers

Bartley Jonathan Crucible Co., Trenton, N. J.
Bridgeport Crucible Co., Bridgeport, Conn.
Dixon Joseph Crucible Co., Jersey City, N J.
McCullough-Dalzell Crucible Co., 36th & A. V. R. R., Pittsburgh, Pa.

## 10835— Phosphorum Copper

Miller W. E. (Imported), 17 State, New York

## 10836— Phosphorus

American Phosphorus Co., 3rd & Dauphin, Phila., Pa.
Crescent Phosphorized Metal Co., 2314 Wood, Phila., Pa.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Chemical Co. (For Phosphor Bronze, etc), 25 Broad, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Takamine Commercial Corp. (Imp. Red & Yellow Stick), 120 B'way, New York

## 10836a—Phosphorus (Oxychloride)

Secaw Chemical Co., Irvington, N. J.
Warner Chemical Co., 52 Vanderbilt av, New York

## 10836b—Phosphorus (Trichloride)

Secaw Chemical Co., Irvington, N. J.
Warner Chemical Co. 52 Vanderbilt av, New York

## 10837—Photographers (Architectural)

Barnum Wm. T., 732 Federal, Chicago, Ill.
Chautauqua Photographic Co., Empire bldg, Pittsburgh, Pa.
Chicago Architectural Photographing Co., Marquette bldg, Chicago, Ill.
Johnston R. W., Studios, 241 5th av, Pittsburgh, Pa.
McCollin Thos. H. & Co., 54 N 9th, Phila., Pa.
Rockwood Photographer, 510 W 145th, New York
Taylor J. W., 537 S Dearborn, Chicago, Ill.

## 10838— Photol

Merck & Co., 45 Park pl, New York

## 10838a— Phthalic Anthrydride

Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Catalytic Chemical Co., Berkley, Cal.
Greeff R. W. & Co., 80 Maiden la, New York
Rector Chemical Co., 2 Rector, New York
Reslow Chemical Co., Lyndhurst, N. J.
Walker Chemical Co., 804 Carson, Pittsburg, Pa.
Williamson & Co., 28 Burling Slip, New York
Youngstown Chemical Co., Youngstown, O.

## 10839— Photometers

American Meter Co. (Jet, "Sugg-Letheby" Style "B," Closed & Portable), 3112 N 17th, Phila., Pa.
Connelly Iron Sponge & Governor Co. "Jones" Jet), 227 Fulton, New York
Dwyer Machine Co., Lynn, Mass.
Foote-Pierson & Co. ("Matthews," "Sharp-Miller"), 160 Duane, New York
Leeds & Northrup Co. (Lamp Testing, "Reichsanstalt" Precision & Station), 4901 Stenton av, Phila., Pa.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Standard Calorimeter Co., East Moline, Ill.
Thompson-Levering Co. ("Peerless"), 325 Arch, Phila., Pa.

## 10840—Photo-Micrographic Apparatus

Bausch & Lomb Optical Co., Rochester, N. Y.
Holz & Co., Inc., 18 Madison av, New York *See adv index at end of book*

PHOTO-MICROGRAPHIC EQUIPMENT
FOR METALLOGRAPHY
Latest Improved Types
HOLZ & CO., Inc.
18 Madison Avenue - NEW YORK

Leitz Ernest (Imp), 30 E 18th, New York

## 10841—Physical Apparatus

Gaertner Wm. & Co. (For Laboratories), 5345 Lake Park av, Chicago, Ill.
Knott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.
University Apparatus Co, 2229 McGee av, Berkeley, Cal.

## 10842— Pianos

Marked thus * also make Player Pianos
Marked thus † make Player Pianos only
See also Organs

### CALIFORNIA.

SAN FRANCISCO—Fay Robert, 567 Valencia
Pierce Walter S. Co., 691 14th

### CONNECTICUT.

DERBY—*Sterling Company
MERIDEN—*Wilcox & White Co.
NEW HAVEN—Mathushek Piano Mfg. Co.
Shoninger B. Co.
SHELTON—*Huntington Piano Co.
STAMFORD—Kroeger Piano Co.
WEST HARTLAND—Hall Organ Co.

### ILLINOIS.

CHICAGO—Bauer Julius & Co., 305 S Wabash av
Bent Geo. P. Co., 214 S Wabash av
Boller Piano Co., 2168 Milwaukee av
Brinkerhoff Piano Co., 209 S State
Bush & Gerts Piano Co., 1550 Dayton
*Cable Co., 301 S Wabash av
*Cable-Nelson Piano Co., 209 S State
Chickering Bros., 2250 S Park av
*Clark Melville Piano Co., 25 E Jackson blvd
Clemons C. B. Co., 1513 W Madison
*Decker Bros. Co., 1223 Miller
Detmer Henry, 158 S Wabash av
Gulbransen-Dickinson Co., 36 S State
*Kimball W. W. Co., 304 S Wabash av
*King Piano Co., 208 S La Salle
Leies J. & Son, 1956 Larrabee
*Lyon & Healy, 245 S Wabash av
*Marquette Piano Co., 2439 Wallace
Marshall Piano Co., 1510 N Dayton av
Morenus Piano Co., 342 W Huron
Nelson H. P .& Son Piano Co., 1254 Marianna
Newman Brothers Co., 806 Dix
Operator's Piano Co. (Electric), 16 S Peoria
Price & Teeple Piano Co., 218 S Wabash av
Reed & Sons Piano Mfg. Co., 28 E Jackson blvd
Reichardt Piano Co., 1131 Milwaukee av
Schaeffer Piano Mfg. Co., 218 S Wabash av
Sherp B. & Sons, 2102 Clybourn av
*Schultz M. Co. ("Schultz" & "Werner" "Player"), 711 Milwaukee av
Seeburg J. P. Piano Co. ((Electric), 209 S State
Singer Piano Co., 238 S Wabash av
Smith, Barnes & Strohber Co., 1872 Clybourn av
†Star Music Co. (Coin Operated), 9 E Harrison
Starck P. A. Piano Co., 208 S Wabash av
Steger & Sonsh Piano Mfg. Co., 238 S Wabash av
*Story & Clark Piano Co., 317 S Wabash av
Tonk Mfg. Co., 1912 Lewis
Tryber Piano Co., 36 S State
Weber & Sons, 1256 Wellington av
Werner Piano Co., 1325 Milwaukee av
Williams Piano & Organ Co., 14 W Washington
*Wurlitzer Rudolph Co., 329 S Wabash av
CHICAGO HEIGHTS—*Hamilton Organ Co. (See Baldwin Piano Co., Cincinnati, O.)
DE KALB—*Clark Melville Piano Co. (See Chicago, Ill.)
ELGIN—*Engelhardt-Seybold Co.
*Seybold Piano & Organ Co.
GALESBURG—Wenzelman Gustave
KANKAKEE—*Schaeffer Piano Works (See Chicago, Ill.)
MOLINE—Peterson J. Co.
OREGON—*Schiller Piano Co.
OTTAWA—Johnson E. P. Piano Co.
*Western Cottage Piano & Organ Co.
ROCKFORD—Anderson G. A. Piano Co.
Ekroth Piano Co.
*Haddorff Piano Co.
*Schumann Piano Co.
ROCK ISLAND—†Artista Piano Player Co.
STEGER—Reed & Sons Piano Mfg. Co. (See Chicago, Ill.)

### INDIANA.

BRAZIL—*Knight-Brinkerhoff Piano Co.
CONNERSVILLE—*Krell Auto Grand Piano Co.
FORT WAYNE—Packard Piano Co.
HAMMOND—Straube Piano Co.
HUNTINGTON—*Schaff Bros. Co.
LA PORTE—*Cable Hobart M. Co.
MUNCIE—*Bell Bros. Piano Co.
NEW CASTLE—French Jesse & Sons Piano Co.
PERU—*Chute & Butler Co.
RICHMOND—*Starr Piano Co.

### KENTUCKY.

DAYTON—*Harvard Piano Co. (See John Church Co., Cincinnati, O.)
LOUISVILLE—Adler Mfg. Co.
†Burke P. I. & Co.
†Green Piano Co.
Pilcher's Henry Sons

### MAINE.

FOXCRAFT—Hughes & Son Piano Mfg. Co.

### MARYLAND.

BALTIMORE—Shaw Piano Co., 1640 Gorsuch av
*Stieff Chas. M., 9 N Liberty

### MASSACHUSETTS.

BOSTON—Bourne W. & Son
*Chickering & Sons, 791 Tremont
Emerson Piano Co., 560 Harrison av
*Everett Piano Co., Albany
*Hallet & Davis Piano CUo., 146 Boylston
*Ivers & Pond Piano Co., 114 Boylston
*Kraft, Bates & Spencer, 156 Boylston
Mason & Hamlin Co., 492 Boylston
*McPhail A. M. Piano Co., 120 Boylston
*Miller Henry F. & Sons Piano Co., 395 Boylston
*National Piano Co., 621 Albany
*Stieff Chas. M., 122 Boylston (See Baltimore)
*Vose & Sons Piano Co., 160 Boylston
CAMBRIDGE—Poole Piano Co.
FALL RIVER—Cote Piano Mfg. Co.
FRANKLIN—*Trowbridge Piano Co. (See Boston, Mass.)
LEOMINSTER—*Jewett Piano Co.
*Webster Piano Co.
NEEDHAM—Bourne Wm. & Son Piano Co.
PITTSFIELD—†Telelectric Co. (See New York City)
WORCESTER—†Simplex Player Action Co.

### MICHIGAN.

ADRIAN—Clough & Warren Co.
DETROIT—Clough & Warren Co., 84 Broadway
GRAND HAVEN—*Story & Clark Piano Co. (See Chicago, Ill.)
GRAND RAPIDS—Manville J. A.
National Piano Mfg. Co. (Coin Operated)
HOLLAND—*Bush & Lane Piano Co.
MUSKEGON—*Chase-Hackley Piano Co.
SAGINAW—*Germain Piano Co.
SOUTH HAVEN—*Cable-Nelson Piano Co. (See Chicago, Ill.)
*Melin-Winkel Piano Co.

### MINNESOTA.

FARIBAULT—Schimmel & Co.
MINNEAPOLIS—Holland Pianos Mfg. Co.
ST. PAUL—Dyer W. J. & Bro.
Raudenbush & Sons Piano Co.
*Wick P. S. Co.

### MISSOURI.

KANSAS CITY—†Berry-Wood Piano Player Co.
†Smith J D. Piano Co.
ST. LOUIS—French Jesse Piano & Organ Co.

### NEBRASKA.

COLUMBUS—Fontein M. H. Piano Co.
OMAHA—Schmoller & Mueller Piano Co.

PIANOS—continued

NEW HAMPSHIRE.

HAMPTON—Brown Moses W. & Co.

NEW JERSEY.

NEWARK—*Lauter Co., 593 Broad
PATERSON—Paterson Piano Case Co.
RAHWAY—†Regina Co.
WASHINGTON—Cornish Co.
*Florey Bros.
WEST HOBOKEN—*Ronchi & Son
WOODBURY—*Blasius Piano Co.

NEW YORK.

ALBANY—*Boardman & Gray
AUBURN—*Wegman Piano Co.
BINGHAMTON—†Harris Player Piano Co.
BUFFALO—*Kurtzman C. & Co., 526 Niagara
JAMESTOWN—*Ahlstrom Piano Co.

NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Sterling Piano Co., 518 Fulton
*Wissner O., 55 Flatbush av

Boroughs of Manhattan and Bronx.

NEW YORK—†Aeolian Co., 29 W 42d
*American Piano Co., 439 5th av
†Apollo Player Piano Co., 518 W 55th
Archer Piano Co., 549 W 52d
†Autopiano Co., 653 W 51st
†Autotone Player Piano Co., 542 W 52d
Bailey Piano Co., Whitlock & Leggett avs
Baldwin Piano Co., 665 5th av
Baumeister Piano Co., 549 W 52d
*Becker Brothers, 767 10th av
Behning Piano Co., 306 E 133d
Biddle Piano Co., 107 E 128th
*Bjur Bros., Whitlock & Leggett avs
*Bogart Piano Co. ("Bogart"), 9 Canal pl
*Boilermann Arthur M., 337 E 133d
*Brambach Piano Co., 643 W 49th
Braumuller Piano Co., 626 W 43d
*Byrne C. E. Piano Co., 231 E 41st
Cable & Sons, 550 W 38th
Cameron A. B. Piano Co., 267 E 133rd
Christman Piano Co., 597 E 137th
*Christman Sons, 35 W 14th
†Claviola Co., 520 W 48th
Connor Francis, 343 Lexington av
*Davenport-Treacey Piano Co., 518 W 55th
*Decker & Son, 701 E 135th
*DeRivas & Harris Mfg. Co., 138 Willow av
*Doll Jacob & Sons, 100 Southern blvd
Electrova Co., 117 Cypress av
Estey Piano Co., So. blvd & Lincoln av
Faber Piano Co., 351 Rider av
*Fischer J. & C. ("Fischer"), 417 W 28th
*Frederick Piano Co., 125 Cypress av
*Gabler Ernest & Bro., 347 Rider av
*Gordon Piano Co., 709 Whitlock av
*Haines W. P. & Co., 113 E 138th
*Hardman, Peck & Co., 433 5th av
*Harrington E. G. & Co., 433 5th av
*Hazelton Bros., 511 W 55th
*Howard R. S. Co., 485 E 133d
Jacob Brothers Co., 539 W 39th
*James & Holmstrom, 23 E 14th
*Janssen H., 82 Brown pl
*Keller Henry & Sons, Whitlock av & 156th
Kelso & Co., 16 Horatio
*Kindler & Collins, 520 W 48th
*Kirchhoff Piano Co., 250 E 139th
*Kohler & Campbell, 601 W 50th
*Krakauer Bros., 125 W 42d
*Kranich & Bach, 235 E 23d
*Laffargue Co., E 134th & Cypress av
Lawson Piano Co., 372 E 149th
*Lindeman & Sons Piano Co., 599 11th av
*Ludwig & Co., 136th & Willow av
Lurch Piano Co., 127 E 23d
*Mansfield Piano Co., Willow av & E 135th
Mason & Hamlin Co., 313 5th av
*Mathushek & Son Piano Co., 37 W 37th
Mehlin Paul G & Sons, 4 E 43d
*Meister Piano Co., 470 4th av
*Milton Piano Co., 772 12th av
Newby & Evans Co., So. blvd near E 136th
*Pease Piano Co., Leggett av & Barry
Pianista Piano Co., 614 W 51st
Radle F., 609 W 36th
Ricca & Son, 89 South blvd
*Rudolf Piano Co., 220 So. blvd
Schencke Piano Co., 245 E 137th
Schmidt-Dauber Co., 444 W 13th
*Schumann & Sons Piano Co., 229 E 41st
Shoninger B. Co., 505 5th av
Smith F. G., 115 B'way, New York
Sohmer & Co., 315 5th av
*Steck Geo. & Co., 605 E 132d
Steinway & Sons, 109 E 14th
*Stuyvesant Piano Co., 605 E 132d
†Tel-Electric Co., 229 5th av
Tonk Wm. & Bro., 456 10th av
*Warde Piano Co., 66 E 125th
*Waters Horace & Co., 134 5th av
*Weber Piano Co., 29 W 42d
Welte M & Sons, 667 5th av
*Weser Brothers, Inc., 524 W 43d
Weydig-Henkelman, Piano Mfg. Co., Inc., 406 W 14th
*Wheelock Piano Co., 605 E 132d
*Wing & Son 9th av & 13th
*Winter & Co., So. blvd & 137th
Winterroth & Co., 8 Union sq
*Wuertz O. W. Co., 1518 3d av
*Wurlitzer Rudolph Co. (Automatic), 115 W 40th

(End of New York City)

NORTH TONAWANDA—*Wurlitzer Rudolph Mfg. Co.
POUGHKEEPSIE—Welte M. & Son
ROCHESTER—Gibbons & Stone
Ropelt & Pritchard
ST. JOHNSVILLE—*Englehardt Piano Co.
WALTON—Munn Piano Co.
YONKERS—Steadman Frank

OHIO.

CINCINNATI—*Baldwin Co., 142 W 4th
Baldwin Piano Co., Gilbert av
Butler Bros. Piano Mfg. Co., 25 W McMicken av
*Cable Piano Co., 137 W 4th (See Cable Co., Chicago, Ill.)
Church John Co., 109 W 4th
Ellington Piano Co., Eden Park Entrance
Krell Piano Co., 9th & Harriet
Smith & Nixon Mfg. Co., 126 W 4th
Starr Piano Co., 27 W 4th
Steinway & Sons, 118 W 4th av
*Wurlitzer Rudolph Co., 121 E 4th av
CLEVELAND—Raymond Co., 5213 Windsor av, N E
COLUMBUS—Lindenberg Piano Co.
COSHOCTON—*Compton-Price Co.
MARION—*Ackerman Henry Piano Co.
MASSILLON—Bammerlin Oscar W.
Bammerlin Wm. A.
Meuser Brothers
NORWALK—*Chase A. B. Co.

OREGON.

PORTLAND—Reed-French Piano Mfg. Co.

PENNSYLVANIA.

EASTON—Keller William H. & Son
Lehr H. & Co.
ERIE—Felgemaker A. B. Erie Organ Co.
Tellers-Kent Organ Co.
HAZLETON—Kellmer Piano Co.
LEBANON—Johnson, Kirk & Co.
Miller Organ & Piano Co.
LESTER—Lester Piano Co.
PHILADELPHIA—*Blasius & Sons, 40 S 16th
*Cunningham Piano Co., 1101 Chestnut
Haskell C. S., 1520 Kater
Heppe Christopher J. & Sons, 1117 Chestnut
Lester Piano Co., 1308 Chestnut
Ludwig Piano Co., 1103 Chestnut
Miller Henry F. & Sons Piano Co., 1105 Chestnut
Nittinger S., 1204 N 5th
Schoenhut A. Co. (Toy), Adams & Sepviva
Stetson N. & Co., 1111 Chestnut
Todd Harold B., 1431 Brown
PITTSBURGH—Frederick W. F. Piano Co., 635 Smithfield
Kleber Piano Co., 237 5th av
SCRANTON—Keller-Dunham Piano Co.
Vandyke Piano Mfg. Co.
WARREN—Warren Piano Co.
YORK—*Weaver Piano Co. (Also Player Piano)

VERMONT.

BRATTLEBORO—Estey Organ Co.

WISCONSIN.

MARINETTE—Kreiter Mfg. Co. (See Milwaukee, Wis.)
MENOMONIE—Holland Piano Mfg. Co.
MILWAUKEE—Conrad Piano Mfg. Co., 264 N Water
Gram Edmund, 414 Milwaukee
Kreiter Mfg. Co., 1043 Winnebags
*Milwaukee Piano Mfg. Co., 270 W Water
Netzow C. F. Mfg. Co., 1st & Becker
*Waltham Piano Co., Becker av & 1st
SHEBOYGAN—*Miller S. W. Piano Co.

## 10843— Pickaroons

See also Tools, Logging

American Logging Tool Co., Evart, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Warren Axe & Tool Co., Warren, Pa.

## 10844— Pickers (Bean)

Bacon Mfg. Co., Pontiac, Mich.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.

## 10845—Pickers (Coffee & Peanut)

Benthall Machine Co. (Peanut), 115 Shoop, Suffolk, Va.
Chattanooga Implement & Mfg. Co. (Peanut), Chattanooga, Tenn.
Heebner & Sons ("Little Giant" Peanut), Lansdale, Pa.
Lambert Machine Co., Marshall, Mich.

## Pickers (Corn)

See Pickers & Huskers, Corn

## 10846— Pickers (Fruit)

Darby Edw. & Sons Co. ("Pennsylvania"), 412 N 18th, Phila., Pa.
Grimshaw, Young & Co., Lowell, Mass.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Komada Bros., 1008 Vine, Phila., Pa.
Parker Wire Goods Co. (Galvanized & Returned Wire), Worcester, Mass.
Royal Mfg. Co. 406 Commerce, Phila. Pa.
Wedmore D. A. & Co. ("Pennsylvania"), Camden, N. J.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Woods-Sherwood Co. ("Peerless," "Perfect," Wire), Worcester, Mass.

## 10847— Pickers (Pea)

Gordon L. S. Elizabeth City, N. C.

## 10848—Pickers & Huskers (Corn)

Appleton Mfg. Co. ("Appleton-Goodhue"), Batavia, Ill.
Clark R. F. Mfg. Co., 169 N Jefferson, Chicago, Ill.
International Harvester Company of America (Inc.), ("Deering," "McCormick"), Harvester Building, Chicago, Ill.
Steiner August, Homewood, Ill.

## 10849— Pickets (Wire)

Cyclone Fence Co., Waukegon, Ill.
Stowell Co. The, So. Wilwaukee, Wis.

## 10849a— *Pickets (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
***See adv index at end of book***

## Picks (Asphalt & Concrete)

See Picks, Mattocks & Grub Hoes

## 10850— Picks (Boiler)

Brewer Bros. Co. (Cast Steel), 2d & Somerset, Phila., Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.

## Picks (Clay)

See Picks, Mattocks & Grub Hoes

## Picks (Coal)

See Picks, Mining

## Picks (Coal Puncher)

See Picks, Mining Machine

## Picks (Contractors')

See Picks, Mattocks & Grub Hoes)

## Picks (Drifting)

See Picks, Mattocks & Grub Hoes

## 10851—Picks (Dutch Head & Point)

Hardsocg Mfg. Co., Ottumwa, Ia.

## 10852—Picks (Fireman's Truck)

Black John B. Co. ("Wm. Beatty & Sons"). Chester, Pa.

## 10853— Picks (Flax Tow)

Foster & Williams Mfg. Co., Racine, Wis.

## 10854— Picks (Hookaroon)

See also Tools, Logging

American Logging Tool Co., Evart, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Warren Axe & Tool Co. ("Bulldog"), Warren, Pa.

## 10855— Picks (Ice)

Arcade Mfg. Co. (Also Sliding Pick), Freeport, Ill.
Bodenstein J. G. & Co., Staatsburg, N. Y.
Bradley G. W. Axe & Tool Mfg. Co. (Household), 119 Leonard, New York
Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne W. G. Mfg. Co. ("Browne," Needle Pointed), Kingston, N. Y.
Browne & Dowd Mfg. Co., Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burgess & Norton Mfg. Co. ("Bur-Nor" Ice Pick & Shaver Combined), Geneva, Ill.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Deuse J. S., Chester, Conn.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
General Phonograph Corp., 25 W 45th, New York
Gifford-Wood Co. (Splitting Awl, etc), Hudson, N. Y.
Gilchrist Co., 236 Bank, Newark, N. J.
Glendale Mfg. Co. (Three Prong), 1 Madison av, New York
Goodell-Pratt Co., Greenfield, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hills Edwin, Plainville, Conn.
Landers, Frary & Clark (Steel Blade), New Britain, Conn.
Mayhew H. H. Co., Shelburne Falls, Mass.
National Mfg. & Steel Supply Co. (& Shaver), 781 Summit, Newark, N. J.
Nicol & Co. (White City"), 218 N Jefferson, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Parkinson Edw. Mfg. Co. ("Royal," "Old Doctor"), 84 Sprague, Providence, R. I.
Potter Mfg.Co. (Steel, Wood Handle), Geneva, O.
Robinson M. W. Co., 296 B'way, New York
Rocky Hill Hardware Co. (Awls, Chisels & Picks), Rocky Hill, Conn.
Sargent & Co., New Haven, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Stanley Rule & Level Co. ("Hurwood"), New Britain, Conn.
Stephens A. W. Mfg. Co. ("Acme"), Waltham, Mass.
Stevenson Mfg. Co. (Hickory Handle), South Bend, Ind.
*See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.
Stover Mfg. & Engine Co. ("Ideal") Freeport, Ill.
Swan Jas. Co., Seymour, Conn.
S. & I. Co. (Scratch Awl Pattern), Springfield, Mass.
Thayer Mfg. Co., Williamsburg, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
Tuck Mfg. Co. (Ice Awls), Brockton, Mass.
**U. S. EXPANSION BOLT CO.**, 25 Elm, New York *See adv index at end of book*
Walker C. L. & Co. ("Walker's," Spring & Solid), 656 W 12th, Erie, Pa.
White Ira F. & Son, Bloomfield, N. J.
Williams A. C. Co., Ravenna, O.
Wrightsville Hdwe. Co., Wrightsville, Pa.

## Picks (Locomotive Coal)

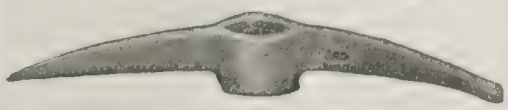
See Picks, Mattocks & Grab Hoes

## 10856—Picks, Mattocks & Grub Hoes

See also Picks, Mining

American Axe & Tool Co. (Adze Eye Pick, etc), Glassport, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Atlas Engineering Co., Lincoln, N. J.
Beall Bros. (Solid Steel), Alton, Ill.
Black John B. Co. ("Wm. Beatty & Sons"), Chester, Pa.
Boker Cutlery & Hardware Co. ("Alsteel"), 101 Duane, New York
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Colclesser Bros., El Dorado, Pa.
Collins Co., Collinsville, Conn.
Cronk & Carrier Mfg. Co. (Garden Mattocks & Grub Hoes Only), 150 Lake, Elmira, N. Y.
*See adv index at end of book*
Cushman Auto Tool Co., Champaign, Ill.
Evansville Tool Works, Evansville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gerber Louis & Son, 66 Water av, Pittsburgh, Pa.
Hardsocg Mfg. Co. ("Black Diamond"), Ottumwa, Ia.
Higgins John C. ("Higgins"), 812 W Kinzie, Chicago, Ill.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Isele A. W. & Son, 51 Pitt, Boston, Mass.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Kalamazoo R'y Supply Co., Kalamazoo, Mich.
Kern, Fleetwood, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Mohr E. H., Vera Cruz, Pa.
Moyle E. H. Engng. & Equipt. Co. ("Moyle"), 508 E. 9th, Los Angeles, Cal.
Oliver Iron & Steel Co. (Pick & Long & Short Cutter), S 10th & Muriel, Pittsburgh, Pa.
Plumb Fayette R. (Inc), Tucker & James, Phila., Pa.
Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.
Sargent & Co., New Haven, Conn.
Sprout, Waldron & Co., Muncy, Pa.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Verona Tool Works, Oliver bldg., Pittsburgh, Pa.
**WARREN TOOL & FORGE CO.**, Warren, O. *See adv index at end of book*


PICKS



The Warren Tool & Forge Co.,
Warren, Ohio, U. S. A.


Warwood Tool Co., Warwood, Wheeling, W. Va.
Weston Thos. B., 708 Light, Baltimore, Md.
What Cheer Tool Co. ("What Cheer"), What Cheer, Ia.

## Picks (Mill)

See Picks, Mattocks & Grub Hoes)

## 10857— Picks (Mining)

American Axe & Tool Co., Glassport, Pa.
American Mining Tool Co. ("Scott," Cutting & Mining), Ottumwa, Iowa
Beall Bros. (Inc.) (Solid Steel), Alton, Ill.
Dooley Bros. (Jobbers), 1201 S Washington, Peoria, Ill.
Evansville Tool Works, Evansville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fulton Tool Works ("Fulton" Coal), Canal Fulton, O.
Gill Mfg. Co., Phillipsburg, Pa.
Hardsocg Mfg. Co. ("Black Diamond," Coal), Ottumwa, Ia.
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Hubbard & Co. (Coal, etc.), 63d & Butler, Pittsburgh, Pa.
Ingersoll-Rand Co. ("Crown," "Imperial," for Coal), 11 B'way, New York
*See adv index at end of book*
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Jesup F. W. & Co. Inc., 90 W B'way, New York
Leetonia Tool Co., Leetonia, O.
Oliver Iron & Steel Co. (Coal, etc.), S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Plumb Fayette R. (Inc), Tucker & James, Phila, Pa.
Salem Tool Co. ("C. M. Day" Coal), Salem, O.
Union Drop Forge Co. (Solid Steel Forged), 358 W Grand av, Chicago, Ill.
Verona Tool Works, Oliver bldg., Pittsburgh, Pa., & Verona, Pa.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*
Warwood Tool Co. ("Warwood" & "Columbia" Coal Picks), Warwood, Wheeling, W. Va.
What Cheer Tool Co. ("What Cheer" Coal), What Cheer, Ia.

## 10858—Picks (Mining Machine)

Beall Bros., Alton, Ill.
Gerber Louis & Son, 66 Walter av., Pittsburgh, Pa.
Hardsocg Martin Co. (Puncher), 922 South av, Pittsburgh, Pa.
Iron City Tool Works (Ltd.) (Coal or Puncher), 3201 Smallman, Pittsburgh, Pa.
Jesup F. W. & Co. Inc., 90 W B'way, New York
Pittsburgh Knife & Forge Co. (Puncher Picks), Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Valley Forging Co. (Puncher Picks), Verona, Pa.
Warwood Tool Co., Warwood, Wheeling, W Va.
Western Tool & Forge Co. (Puncher), Brackenridge, Pa.

## 10859— Picks (Peavey)

American Logging Tool Co., Evart, Mich.

## Picks (Poll)

See Picks, Mattocks & Grub Hoes

## Picks (Prospecting)

See Picks, Mattocks & Grub Hoes

## Picks (Puncher)

See Picks, Mining Machine

## Picks (Stone)

See Picks, Mattocks & Grub Hoes

## Picks (Surface)

See Picks, Mattocks & Grub Hoes

## Picks (Tamping)
See Picks, Mattocks & Grub Hoes

## Picks (Tie)
See Picks, Mattocks & Grub Hoes

## 10860—Picks-Ups (Trolley Wire)
Electric Service Supplies Co. ("Improved St. Louis"), 17th & Cambria, Phila., Pa.
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*

## 10861—*Picric Acid Apparatus
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Knight Maurice A., Akron, Ohio

## 10862—Picture Cable (Flexible Moving)
Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*

## 10862a— *Picture Frames
**SCHIMPER WILLIAM & CO.**, 322-338 Ferry, Hoboken, N. J., & 33 Union sq W, New York
*See adv index at end of book*
Ullman Mfg. Co., 338 E 59th, New York

## 10862b—*Pieces (Wood Mouth)
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

## 10863— Piezometers
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Simplex Valve & Meter Co., 110 N Broad, Phila., Pa.

## Pig Aluminum
See Ingots, Aluminum

## Pig Copper
See Ingots, Brass & Copper

## 10864— Pig Forceps
Leavitt Mfg. Co. ("Dr. Leavitt"), Urbana, Ill.
Pratt Wm. E. Mfg. Co. ("Dr. Mendenhall's"), 35 W Lake, Chicago, Ill.

## Pig Iron Mfrs.
See Blast Furnaces

## 10865—Pig Iron & Coke Dealers
See also Blast Furnaces
Addy Matthew Co., 1st National Bank bldg, Cincinnati, O.
American Rolling Mill Co. (Low Sulphur Pig), Middletown, Ohio.
Balfour, Guthrie & Co., 350 California, San Francisco, Cal.
Banning, Cooper & Co. (Ltd.), Oliver bldg, Pittsburgh, Pa.
Berger-Aiken Coal Co., Benedum Trees bldg, Pittsburgh, Pa.
Bourne-Fuller Co., Hickox bldg, Cleveland, O.
Breen Wm. J. Co. ("Sloss-Sheffield" Brands), 84 State, Boston, Mass.
Breitung E. N. & Co., Rockfeller bldg., Cleveland, O.
Corrigan, McKinney & Co., Cleveland, O.
Cox Justice, Jr., & Co., Land Title bldg, Phila., Pa.
Crocker Bros., 21 E 40th, New York
Debevoise-Anderson Co., 56 Liberty, New York
Domhoff & Joyce Co., 4th & Elm, Cincinnati, O.
Eaton, Rhodes & Co., 1st Nat. Bank bldg, Cincinnati, O.
Fairbanks & Co., Wade bldg, Cleveland, Ohio
Gano, Moore & Co., Land Title bldg, Phila., Pa.
Hammond Byrd Iron Co., Birmingham, Ala.
Hanna M. A. & Co., Leader News bldg., Cleveland, O.
Heyward Thos. R. Co., Farmers Bank bldg, Pittsburgh, Pa.
Horner W. S. & C., Oliver bldg, Pittsburgh Pa.
Isham Phillips, 55 Liberty, New York
Law Ernest & Co., Harrison bldg, Phila., Pa.
Lea J., Tatnall & Co., Stephen Girard bldg., Phila., Pa.
McKeefrey & Co., Leetonia, O.
Matlack Coal & Iron Corp., 52 Vanderbilt av, New York
Moffat Frank D. & Co., 81 Fulton, New York
Mohr J. J. & Son, Bullitt bldg, Phila., Pa.
National Sales & Trading Co., Racine bldg, Cleveland, O.
Oglebay, Norton & Co., Wade bldg, Cleveland, O.
Park & Williams Inc., Real Estate Trust bldg, Phila., Pa.
Pickands, Brown & Co., 332 S Michigan av, Chicago, Ill.
Pickands, Mather & Co., Western Reserve bldg, Cleveland, O.
Pierpiont, James & Sons Co., Franklin Trust bldg., Phila., Pa.
Pilling & Crane, Real Estate Trust bldg, Phila., Pa.
Pullman & Stevens, Penna. bldg, Phila., Pa.
Rogers, Brown & Co., 77-78 Carew bldg, Cincinnati, O.
**SAMUEL FRANK**, Harrison bldg, Phila., Pa. *See adv index at end of book*
Shook & Fletcher Supply Co. (Pig Iron), Birmingham, Ala.
Snyder W. P. & Co., Oliver bldg, Pittsburgh, Pa.
Squier Ed. E. Co. (Coke), Federal Reserve Bank bldg), St. Louis, Mo.
Stewart Iron Co. (Ltd.), Rockefeller bldg., Cleveland, O.
Superior Charcoal Iron Co., Grand Rapids, Mich.
Tennant C. Sons & Co. of N. Y. ("Scotch" & "English" Pig Iron, Imp.), 100 William, New York
Walter-Wallingford & Co., Traction bldg, Cincinnati, O.

## 10866— Pig Tails (Copper)
American Pig Tail Co., St. Marys, Pa.
Salem Electrical Supply Co., Salem, Mass.
Sofranscy H. Co., Allenton, Pa.

## Pig Zinc
See Ingots, Zinc

## Pigeons (Clay)
See Traps & Targets, Trap Shooting

## 10866a—*Pigeons (Wood-decoy)
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 10867— Pigments
Acheson Graphite Co. (Graphite), Niagara Falls, N. Y.
Akron Pigment Co. (Alumina), Akron, O.
Doggett Stanley, 11 Cliff, New York
Du Pont E. I. de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
International Silica Co., Cairo, Ill.
**KREBS PIGMENT & CHEMICAL CO.** (Lithopone), Newport, Del.
Scheel Wm. H. (White & Brown), 159 Maiden la, New York
*See adv index at end of book*
Smith J. Lee & Co. (Turkey Umber), 19 Jacob, New York
Tamms Silica Co. (Paint), Tamms, Ill.
Titanium Pigment Co. ("Titanox" Paint Pigment) Niagara Falls, N. Y.
Wetherill S. P. (White & Brown), Morris bl, Phila., Pa.

## 10868— Pigments (Rubber)
Doggett Stanley, 11 Cliff, New York.
Scheel Wm. H. (Imported), 159 Maiden la, New York
*See adv index at end of book*

## 10869— Pigs (Nitre)
Pratt Engineering & Machine Co., Atlanta, Ga.

## 10870— Pile Driver Fittings
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

## Pile Drivers (Pneumatic)
See Pneumatic Pile Drivers

## 10871—Pile Drivers (Railroad Car)
Browning Co., E 162d & Waterloo rd, Cleveland, O.
Bucyrus Co. (Locomotive), South Milwaukee, Wis.
Industrial Works, Bay City, Mich.
Toledo Foundry & Machine Co., Toledo, O.

## Pile Drivers (Sheet)
See Pneumatic Pile Drivers

## Pile Driving Contractors
See Dock Builders

## 10872— Pile Shoes
Channon Jas. H. Mfg. Co. (Points or Shoes), 227 W Erie, Chicago, Ill.
Gracey R. & Sons Co., 115 1st av, Pittsburgh, Pa.
Harry L. C. Co., 114 Liberty, New York
ridge, Buffalo, N. Y.
Hill Clutch Co., W 65th, Cleveland, O.
Janney, Steinmetz & Co., 1421 Chestnut, Phila., Pa.
McGookin D. H. & Co., 1630 N 9th, Phila., Pa.
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.

## 10873— Piles (Cement)
Cranford Construction Co., Gerke bldg, Cincinnati, O.

## 10874— Piles (Concrete)
Carey Construction Co. (Engineers & Contractors), Cleveland, O.
Chesley, Earl & Heimbach, 20 Breckenridge, Buffalo, N. Y.
Cranford Construction Co., Gerke bldg, Cincinnati, O.
Cranford Paving Co., 2620 E N W Washington, D. C.
Cummings Structural Concrete Co. (Reinforced), Benedum Trees bldg, Pittsburgh, Pa.
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
Great Lakes Dredge & Dock Co., 104 S Michigan av, Chicago, Ill.
Hill Clutch Co., W 65th, Cleveland, O.
MacArthur Concrete Pile & Foundation Co. (Pedestal), 120 Broadway, New York
Monks-Ripley Pile Co. ("Ripley" Combination Concrete & Wood), 82 Beaver, New York
RAYMOND CONCRETE PILE CO., 140 Cedar, New York
SIMMONS JOHN CO. (Pile Casings "Simmons"), 110 Centre, New York
*See adv index at end of book*
Simplex Concrete Piling Co. ("Simplex"), 3400 Disston, Phila., Pa.
Smith & Brennan Pile Co. (Reinforced, Corrugated), Main & Angelica, St. Louis, Mo.
Underpinning & Foundation Co. ("Hercules" Steel), 290 B'way, New York

## Piles (Creosoted)
See Creosoting Works

## 10875—Piling (Interlocking Steel)
American Bridge Co., 30 Church, New York
Cambria Steel Co., Widener bldg, Phila., Pa.
Carnegie Steel Co. ("Friestedt" Interlocking Channel Bar, "United States"), Carnegie bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co. (Sheet), Ross, Pittsburgh, Pa.
Lackawanna Steel Co. ("Lackawanna"), Buffalo, N. Y.
Mitchell-Tappen Co., 15 John, New York
Moore Bros. (Second Hand), 39 S La Salle, Chicago, Ill. *See adv index at end of book*
Wemlinger Steel Piling Co., 149 B'way, New York
Zelnicker Walter A. Supply Co. (Sheet Dealer), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## Piling Lumber
**See Ties, Poles & Posts**

## Piling (Sheet Steel)
**See Piling, Interlocking Steel**

## 10875a— *Pillars (Wood)
Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## Pillows (Air, Rubber)
**See Cushions, Beds & Pillows, Air, Rubber**

## 10876— Pilocarpine
**Hoffmann-La Roche Chemical Works, 440 Washington, New York**

## 10877—Pin Cushions & Jewel Boxes
Arlington Works The (E. I. du Pont de Nemours & Co.), Wilmington, Del.

## 10878— Pincers
**Arcade Mfg. Co. (Cast Iron), Freeport, Ill.**
**Buffum Tool Co. ("Swastika" Blacksmiths,' Carpenters,' Farriers,' Clinching, etc), South Side, Louisiana, Mo.**
Champion Tool Co. ("Maud-S," "Favorite" Farriers,' "Our Pride," Common & Hardware), Meadville, Pa.
Dicke Tool Co. (Farriers, etc), Downers Grove, Ill.
Emrich Phil (Tanners'), 824 Main, Cincinnati, O.
Enderes Inc. (10½", 8½" & 6½"), Albert Lea, Minn.
Germantown Tool Works (Blacksmiths & Farriers', etc.), 521 Market, Phila., Pa.
Gray Iron Foundry Co. (Plain & Nickel plated), Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Heller Bros. Co. (Blacksmiths & Farriers), 870 Mt. Prospect av, Newark, N. J.
Osborne C. S. & Co. (Saddlers), Box 183, Newark, N. J.
Reading Saddle & Mfg. Co. ("Reading Household), Reading, Pa.
Sargent & Co. (Carpenters, Horse Shoeing), New Haven, Conn.
**Smith H. D. & Co. ("S.," "H. D. S. & Co." Blacksmiths' Shoeing, Carpenters,' Farriers,' Drop Forged), Plantsville, Conn.**
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Star Heel Plate Co., Wilson av, Newark, N. J.
Vaughan & Bushnell Mfg. Co. ("V. & B."), Drop Forged, Carpenters', Blacksmiths' Farriers'), 2114 Carroll av, Chicago, Ill.
Washington Cutlery Co. ("Village Blacksmith," Blacksmiths & Farriers), Watertown, Wis.
**Washington Tool Co. ("Larson" Combination, etc), Owatonna, Minn.**
Williams A. C. Co., Ravenna, O.
**Wrightsville Hardware Co. (Carpenters, etc), Wrightsville, Pa.**

## 10879—Pincers (Tanners' Tackling)
Emrich Phil., 824 Main, Cincinnati, O.
Osborn C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

## 10879a—*Pinion Rod (Hobbed)
**MEISSELBACH-CATUCCI MFG. CO.,** 56 Stanton, Newark, N. J. *See adv index at end of book*

## Pinions
See Gears & Pinions

## 10879b— *Pinions (Bevel)
Meachem Gear Corp., Syracuse, N. Y. *See adv index at end of book*

## 10879c— *Pinions (Brass)
Meachem Gear Corp., Syracuse, N. Y. *See adv index at end of book*

## 10880—Pinions (Car Motor)
**BOSSERT CORP., THE,** Cor. Linden & West av, Utica, N. Y. *See adv index at end of book*
**GENERAL ELECTRIC CO., Schenectady,** N. Y. *See adv index at end of book*
**NUTTALL R. D. CO., McCandless & Harrison av, Pittsburgh, Pa.** *See adv index at end of book*

## 10881— *Pinions (Cut)
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*
**MEISSELBACH - CATUCCI MFG. CO.** (Small), 56 Stanton, Newark, N. J. *See adv index at end of book*

## Pinions (Electric Railway)
See Gears & Pinions

## 10882—Pinions (Jewelers' Scale)
**Bracher Co., Belleville, N. J.**

## 10883—*Pinions (Made to Order)
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*

## 10884—Pinions (Mine Motor)
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Meachem Gear Corp., Syracuse, N. Y. *See adv index at end of book*
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*

## 10885—*Pinions (Mining Machine)
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*

## 10886—*Pinions (Pressed Steel)
**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*

## 10886a— Pinions (Steel)
**MEACHEM GEAR CORP.,** Syracuse, N. Y. *See adv index at end of book*
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa. *See adv index at end of book*
Pollak Steel Co., Cincinnati, O.

## Pinions (Rawhide)
See Gears & Pinions, Rawhide

## Pinions (Rolling Mill)
See Gears, Mill

## 10887—Pins (Air Brake & Knuckle)
Alloy Steel Forging Co. (Knuckle), Carnegie, Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Cambria Steel Co., Widener bldg, Phila., Pa.
Champion Rivet Co., Harvard av & E 108th, Cleveland, O.
Cleveland City Forge & Iron Co., Cleveland, O.
Etna Forge & Bolt Co., 808 House bldg, Pittsburgh, Pa.
**Hubbard & Co. (Steel), 63d & Butler, Pittsburgh, Pa.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Murial, Pittsburgh, Pa.
Otis, Spencer & Co., 80 E Jackson blvd, Chicago, Ill.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
St. Louis Screw Co. (Knuckle), Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
Valley Forging Co., Verona, Pa.
Western Railway Equipment Co. (& Knuckle), Central Nat. Bank bldg, St. Louis, Mo.
Western Tool & Forge Co., Brackenridge, Pa.

## 10888— Pins (Belaying)
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Laughlin Thos. Co. (Wood, Brass & Galvanized), Portland, Me.
McMillan's W. H. Sons, 153 South, New York
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Marine Hardware-Euipment Co., South Portland, Me. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 10889— Pins (Bending)
Carver Tool Works, Spring Valley, N. Y.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Wolverine Brass Works, Grand Rapids, Mich.

## 10890— Pins (Blanket)
Consolidated Safety Pin Co., Bloomfield, N. J.
Kohler F. E. Co. ("Ideal"), Canton, O.
Oakville Co., Waterbury, Conn.

## 10891— Pins (Bowling)
See also Ten-Pins
Bogert & Hopper, 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Klumpp's John G. Sons, 13 Baxter, New York

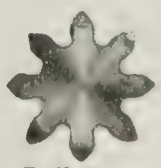
## 10892— Pins (Brass, Dress, Etc.)
American Pin Co. ("Ampinco"), Waterbury, Conn.
Crescent Brass & Pin Co. (Bank & Office Brass), 1150 Trumbull, Detroit, Mich.
National Pin Co. ("Captain"), Derby, Conn.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Oakville Co. ("Sovran"), Waterbury, Conn.
Star Pin Co. (Brass, Hair, etc), Derby, Conn.
Sterling Pin Co., Derby, Conn.

## 10893—Pins (Bricklayers' Line)
Brewer Bros. Co. (Wrought), 2d & Somerset, Phila., Pa.
Stortz John & Son, 210 Vine, Phila., Pa.

## 10894—Pins (Butchers' Block)
Brecht Co., 1201 Cass av, St. Louis, Mo.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Vaughan & Bushnell Mfg. Co. ("V. & B." (Wrought Steel), 2114 Carroll av, Chicago, Ill.

## 10895— Pins (Button Badge)
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Oakville Co., Waterbury, Conn.

## 10896— Pins (Clamp)
Hubbard & Co. ("Peirce" for Crossarms), 63d & Butler, Pittsburgh, Pa.

M-C Gears
Pinion Rod
Gear Hobbing Machines
Meisselbach-Catucci Mfg. Co., 56 Stanton St., Newark, N. J.

Full Size

## 10897— Pins (Clothes)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
**Campbell & Keppen, Lamont, N. Y.**
Celluloid Co., 36 Washington pl. New York
**Clark J. R. & Co. ("Hoyt's" Spring), 2d av N & Aldrich, Minneapolis, Minn.**
**Cupples Sam'l Woodenware Co., 7th & Spruce, St. Louis, Mo.**
**Demeritt Co. ("Hold Fast" Spring), Waterbury, Vt.**
Escanaba Mfg. Co., St. Louis, Mo.
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*

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Mann Lewis M. & Son, West Paris, Me.
National Spring Clip Co. ("Moore's" Spring), Montpelier, Vt.
Northern Woodenware Co., Island Falls, Me.
Oval Wood Dish Co., Tupper Lake, N. Y.
Peirce W. E. & Co., Milford, N. H.
Richardi & Bechtold, Bellaire, Mich.
Richmond Cedar Works, Fulton, Richmond, Va.
**Sonestown Mfg. Co., Williamsport, Pa.**
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
**Tennant Sherman (Est. of), Northville, N. Y.**
**U. S. Clothespin Co. ("Bull Dog Grip," "U. S." & "Putnam" Spring), Montpelier, Vt.**
**Weston Paper & Mfg. Co., Dayton, O.**
**Wire Hardware Co. ("No. 183" Spring), 6126 S La Salle, Chicago, Ill.**

## 10897a—*Pins (Cooperage)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 10897b— Pins (Cotter)

See also Cotters & Keys, Spring
American Cotter Pin Co., Park bldg., Pittsburgh, Pa.
**Larkin J. K. & Co., 34 Reade, New York** *See adv index at end of book*

## Pins (Coupling)

See Links & Pins, Coupling

## 10898— Pins (Crank)

**Braeburn Steel Co., Braeburn, Pa.**
**Cambria Steel Co., Widener bldg, Phila., Pa.**
**Carbon Steel Co., ft 32d, Pittsburgh, Pa.**
**Philadelphia Steel & Forge Co., 50 Church, New York**
Pollak Steel Co., Cincinnati, Ohio.

## Pins (Curtain)

See Pins, Drapery

## 10899— Pins (Dowel)

See also Dowels, Various Kinds
**AMERICAN STEEL & WIRE CO. (Barbed), 208 S La Salle, Chicago, Ill.** *See adv index at end of book*
Atlas Tack Co., Fairhaven, Mass
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
Bowen Corp. ("Winkley" Brass for Pattern Makers), Detroit, Mich.
Chain Products Co. (Brass), 3924 Cooper av, Cleveland, O.
**ESTES E. B. & SONS (Wooden), 364 5th av, New York** *See adv index at end of book*
**Federal Malleable Co. ("Fraser" Malleable Iron Pattern Makers), West Allis, Wis.**
Grayling Dowel Co., Grayling, Mich.
**Hardware Supply Co., Grand Rapids, Mich.**
**Hickson-Roger Mfg. Co., Paragould, Ark.**
Igoe Bros. (Barbed), Canal & Lafayette, New York *See adv index at end of book*
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
**Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.**
Kearsarge Peg Co., Bartlett, N. H.
Keystone Friction Hinge Co., Williamsport, Pa.
**Kokomo Steel & Wire Co. (Barbed), Kokomo, Ind.**
**Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.**
**MORSE, FRANK W. (Smooth Grooved & Threaded Brass), 289 Congress, Boston, Mass.** *See adv index at end of book*
Norton Iron Works (Barbed), Ashland, Ky.
Oliver Machinery Co. (Brass), Grand Rapids, Mich.
Parker Wire Goods Co. (Barbed), Worcester, Mass.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Pittsburgh Steel Co., 5th av & Grant, Pittsburgh, Pa.
Rowe Henry Mfg. Co. (Wood), Newaygo, Mich.
Shanafelt Mfg. Co. (Brass & Wood), Canton, O.
South Bend Dowe Wks., South Bend, Ind.
**STEVENSON MFG. CO.** (Pointed & Spiral Grooved, etc), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stolz Jos. & Son Inc., 841 E 136th, New York
Townsend Co., New Brighton, Pa.
Wellman Products Co. (Pattern Makers', Wood & Metal), 1444 E 49th, Cleveland, O.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 10900— Pins (Drapery)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Gould-Mersereau Co., 52 W 38th, New York
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
**Judd H. L. Co., 87 Chambers, New York**
Turners & Seymour Mfg. Co., Torrington, Conn.

## 10901— Pins (Drift)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Buffum Tool Co. ("Swastika," Plumbers') South Side, Louisiana, Mo.
**Channon Jas H. Mfg. Co., 227 W Erie, Chicago, Ill.**
Cleveland Punch & Shear Works Co. (Also Barrel, Flask, etc.), 3921 St. Clair av, N E, Cleveland, O.
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Pittsburgh Knife & Forge Co. (Structural Workers), Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Racky Albert C. 531 S 5th av, Chicago, Ill.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.
Vulcan Tool Mfg. Co., Quincy, Mass.
**WHITMAN & BARNES MFG. CO.**, Akron, Ohio *See adv index at end of book*

## 10902— Pins (Gauge)

Megill Edward L. (For Platen Printing Machines), 60 Duane, New York

## 10902a— Pins (Hair)

**Allen McNerney & Co. (Horn), Attleboro, Mass.**
Blodgett B. F. & Co. (Barrettes), Leominster, Mass.
Damon Co., (Horn), Leominster, Mass.
Earl W. D. & Co (Horn & Celluloid), Leominster, Mass.
Fitchburg Horn Goods Co. (Horn & Celluloid), Fitchburg, Mass.
Grote F. & Hubbell Co. (Ivory), 82 4th av, New York
Howe Comb Co. (Horn), Leominster. Mass.
Hump Hair Pin Mfg. Co., 1918 Prairie av, Chicago, Ill.
Leominster Shell Goods Mfg. Co. (Celluloid), Leominster, Mass.
Pacific Novelty Co. (Also Ornaments), 41 E 11th, New York
Queen Hair Pin Co. (Horn), Leonminster, Mass.
Rice & Hochester (Tortoiseshell), 87 5th av, New York
Smith & Sons Co., 200 5th av, New York
Star Pin Co., Shelton, Conn.
Sterling Pin Co. (Wire), Derby, Conn.

## 10903— Pins (High Tension)

Fletcher Mfg. Co., Dayton, O.
**Harrison Electric Co., 411 Van Brunt, Brooklyn, N. Y.**

## 10904— Pins (Hinge)

**Corbin Screw Corporation, New Britain, Conn.**
Detroit Screw Works, 348 Franklin, Detroit, Mich.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
**Reed & Prince Mfg. Co., Worcester, Mass.**
**Western Automatic Machine Screw Co., Elyria, O.**

## Pins (Horse Blanket)

See Pins, Blanket

## 10905— Pins (Husking)

See also Huskers & Shredders, Corn
Clark R. F. Mfg. Co., 169 N Jefferson, Chicago, Ill.
Clauss Shear Co., Fremont, O.
Decatur Novelty Wks. ("Hill"), Decatur, Ill.
Kees F. D. Mfg. Co., Beatrice, Neb.
Pratt Wm. E. Mfg. Co. ("The Pratt"), 35 W Lake, Chicago, Ill.
Wallingford Mfg. Co., Wallingford, Vt.

## Pins (Insulator)

See Insulator Pins & Brackets

## Pins (King)

See Bolts, King

## 10906— Pins (Knitting)

**Estes E. B. & Sons (Wood), 364 5th av, New York** *See adv index at end of book*

## Pins (Knuckle)

See Pins, Air Brake & Knuckle

## 10907— Pins (Ox Bow)

Sawyer O. C. ("Varnam"), Sharon, Vt.

## 10908—Pins (Picket or Tent)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*
**Niagara Falls Metal Stamping Works (Picket & Tent), Niagara Falls, N. Y.**
**Oliver Iron & Steel Co. (Straight or Spiral), S 10th & Muriel, Pittsburgh, Pa.**
**Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.**
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
**Stowell Co., The, So Milwaukee, Wis.**

## 10909—Pins (Piston, Hardened & Ground)

Detroit Screw Works, 348 Franklin, Detroit, Mich. *See adv index at end of book*

## 10910— Pins (Push)

Moore Push Pin Co. ("Moore"), 133 Berkley, Phila., Pa.
Roeti-Hunt Corp. ("Hunt"), Putnam, Conn.

## 10911— Pins (Rawhide)

Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
Clipper Belt Lacer Co. (Twisted 12 inches long), 974 Front av N W, Grand Rapids, Mich.
Simmons Mfg. Co. ("Twisted"), 77th & Lyons av., Phila., Pa.

## 10912— Pins (Reach)

Harvey Spring & Forging Co., Racine, Wis.

## 10913— Pins (Rolling)

Bogert & Hopper Inc. (Wooden) (Bread & Cake, etc.), 57 Barclay, New York
*See adv index at end of book*
Chapman-Sargent Co. (Solid Handle, Revolver, etc), Piqua, O.
Crummer Mfg. Co., Cadillac, Mich.
Cupples Samuel Woodenware Co., 7th & Spruce, St. Louis, Mo.
Estes E. B. & Sons (Wooden), 364 5th av, New York. *See adv index at end of book*
Fetz M. & Co., 162 First, San Francisco, Cal.
Imperial Mfg. Co. ("Imperial Crystal," "White Opalite"), Cambridge, Ohio
Krouty C. & Co., Eldred, Pa.
Richardi & Bechtold, Bellaire, Mich.
Silver & Co., 308 Hewes, Brooklyn, N. Y.
Sommer Jno. Faucet Co. (Wooden), 30 Morris av, Newark, N. J.
Stevenson Mfg. Co. (Wooden) (Bread, Cake, etc.), South Bend, Ind.
*See adv index at end of book*
Thurman Mfg. Co., Madera, Cal.

## 10914— Pins (Safety)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Consolidated Safety Pin Co. ("Stewart," "Consapico," "Duplex"), Bloomfield, N. J.
Francis Mfg. Co., Niagara Falls, N. Y.
Hudson Pin Co., Rochester, N. Y.
Kelly F. Co., Derby, Conn.
Oakville Co. ("Clinton," "Damascus," "Treasure," "Defender"), Waterbury, Conn.
Seymour Metal Goods Co., Seymour, Conn.

## 10915— Pins (Sash)

See Nails, Wire

Searsarge Peg Co. (Wood), Bartlett, N. H.
Pierce W. E. & Co. (Wood), Milford, N. H.
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wickwire Spencer Steel Corp., South Bend, Ind.
*See adv index at end of book*
Wire Goods Co. (Barbed), Worcester, Mass.

## 10916— Pins (Special)

Blake & Johnson Co. (Aluminum & German Silver), 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.

## 10917— Pins (Stove Door)

Corbin Screw Corporation ("Kuhn's"), New Britain, Conn.
Ohio Nut & Bolt Co., Berea, O.
Wehrle Co., Newark, N. J.

## 10918— Pins (T)

Oakville Co., Waterbury, Conn.

## 10919— Pins (Taper)

Armstrong G. R. Mfrs. Supplies, Inc., 252 Franklin, Boston, Mass.
Babson Dow Mfg. Co., 60 Fulda, Boston, Mass.
Brown & Sharpe Mfg. Co. (Tool Steel), Providence, R. I.
Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Corbin Screw Corporation, New Britain, Conn.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Ferry Cap & Set Screw Co., Cleveland, O.
Gary Screw & Bolt Co. (Steel), Gary, Ind.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Acme Co. (Standard Steel), 7500 Stanton av, S E, Cleveland, O.
National Sewing Machine Co., Belvidere, Ill.
Pawtucket Mfg. Co., Pawtucket, R. I.
Perry-Fay Mfg. Co., Elyria, O.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Phillips R. B. Mfg. Co., Worcester, Mass.
Pittsburgh Screw & Bolt Co. (Steel), Preble av, Pittsburgh, Pa.
Pratt & Whitney Co. (Steel), Hartford, Conn.
St. Louis Screw Co. (Steel), Clarence & Bulwer avs, St. Louis, Mo.
Standard Tool Co., 6700 Central av, Cleveland, O.
Stevenson Mfg. Co. (Wooden). South Bend, Ind. *See adv index at end of book*
Union Engng. Co. (Automatic), Hartford, Conn.
U. S. Automatic Co., Amherst, O.
Western-Automatic Machine Screw Co., Elyria, O.
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

## 10920— Pins (Telegraph)

Estes E. B. & Sons (Wooden), 364 5th av, New York. *See adv index at end of book*
Hubbard & Co. (Steel), 63rd & Butler, Pittsburgh, Pa.
Oliver Iron & Steel Co. (Steel), S 10th & Muriel, Pittsburgh, Pa.

## 10920a— Pins (Thole)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 10921—Pins (Track & Interlocking Channel)

Bryant Zinc Co., 600 Orleans, Chicago, Ill.

## 10922—Pins (Trolley Wheel Axle)

American Safety Lamp & Mine Supply Co., Scranton, Pa.

## 10923— Pins (Truss)

Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.

## 10924— Pins (Tub)

Bliss Bros., 170 Commercial, Boston, Mass.

## 10925— Pins (Turn)

Bogert & Hopper Inc. (Plumbers), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Wooden or Plumbers), 364 5th av, New York
*See adv index at end of book*
Frary Mfg. Co., Charlemont, Mass.
Standard Turning Works (Wooden), Cambridge, Mass.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stossel Carl Sons & Co., Front Royal, Va.

## 10925a— Pins (Wood)

Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Framing, Saddle, Shelf, Tackle Block & Thole), 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 10926— Pins (Wool Comb)

Dean John M. Corp., Putnam, Conn.

## 10927— Pipe (Acid Proof)

Acid Proof Iron Products Co., Inc., 49 Herman, Newark, N. J.
Duriron Castings Co. ("Duriron"), Dayton, O.
General Ceramics Co., 50 Church, New York
General Phonograph Corp., 25 W 45th, New York
Knight Maurice A. (Acid Roof Stoneware), Akron, O.
Thermal Syndicate, Ltd. (Fused Silica, Plain Socket), 59 E 41st, New York
United Lined Tube & Valve Co., 180 Franklin, Boston, Mass.

## 10927a— Pipe (Air Brake)

BYERS A. M. CO., 235 Water, Pittsburgh, Pa. *See adv on front cover*

## Pipe (Aluminum)

See Tubing, Aluminum

## 10927b— Pipe (Ammonia)

BYERS A. M. CO. (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
*See adv on front cover*

## 10928— Pipe (Asphalted)

COAST CULVERT & FLUME CO., Portland (Kenton Sta.), Ore.
*See adv index at end of book*
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
National Tube Co. ("National"), Frick bldg, Pittsburgh, Pa.

## 10929— Pipe Bends & Coils

Albright Son & Co. (Wrought Iron), Allentown, Pa.
American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa
AMERICAN TUBE & PIPE BENDING CO., Cuyahoga & Mahoning avs, Cleveland, O. *See adv index at end of book*
ATLAS COPPER & BRASS MFG. CO. (Copper Bends), 2734 High, Chicago, Ill. *See adv index at end of book*
BALLWOOD CO., 30 Church, New York
*See adv index at end of book*
Best Co., Arrott bldg., Pittsburgh, Pa.
Boston Copper Works Co., E Boston, Mass.
Brunswick Refrigerating Co., New Brunswick, N. J.
COLONIAL SUPPLY CO., 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Columbus Iron Works, Columbus, Ga.
Cornell & Underhill, Greenwich & Spring, New York
Cox J. Fillmore Engng. & Tube Bending Machine Wks., Bayonne, N. J.
Cressman N. C. Co., Drexel bldg, Phila., Pa.
DAHLQUIST MFG. CO., 40 W 3d, So Boston, Mass. *See adv index at end of book*
Detroit Shipbuilding Co. (Brass Dept.), (Copper), ft. Orleans, Detroit, Mich.
Deuel Chas. C. Co., 75 Jones, Detroit, Mich.
Dougherty M. J. Co., No. American bldg., Philadelphia, Pa.
Empire Pipe Corp. (Iron Pipe), 253 Park av, Brooklyn, N. Y.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
GERDES & CO. 42 Church, New York
*See adv index at end of book*
Hamilton Copper & Brass Works, Hamilton, O.
Harris Arthur & Co. (Copper), 212 N Curtis, Chicago, Ill.
*See adv index at end of book*
HARRISBURG PIPE & PIPE BENDING CO. (Iron, Copper & Brass), Herr nr. 10th, Harrisburg, Pa.
Huetteman & Cramer Co., Mack & Beaufait, Detroit, Mich.
Imperial Brass Mfg. Co. (Brass & Copper), 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
Industrial Steel & Brass Corp., 602 W Lake, Los Angeles, Cal.
Industrial Welding Co., 207 Guilford av, Baltimore, Md.

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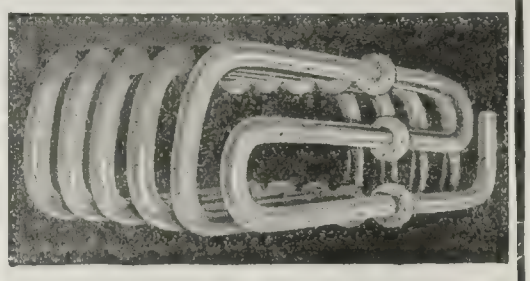
Krenz Oscar Copper & Brass Wks., 612 Bryant, San Francisco, Cal.
**Langsenkamp F. H., Indianapolis, Ind.**
**Larkin J. K. & Co., 34 Reade, New York** *See adv index at end of book*
**Lewis Joseph E., 1218 Warner, Baltimore, Md.**
Limbert Geo. B. & Co., 558 Fulton, Chicago, Ill.
Locomotive Superheater Co. ("Elesco"), 30 Church, New York
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
**Lumsden & Van Stone Co., Dorchester, Boston, Mass.**
Mitchell W. K. & Co., 2940 Ellsworth, Phila., Pa.
Nason Mfg. Co., 71 Fulton, New York
National Pipe Bending Co. (Brass, Iron & Copper), New Haven, Conn.
National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.
**Philadelphia Coppersmithing Co., 222 N Front, Phila., Pa.**
Philadelphia Pipe Bending Co. (Coils), 4135 N 5th, Phila., Pa.
Pipe Coiling, Bending & Welding Co., Arrott bldg, Pittsburgh, Pa.
**Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.**
**Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.**
Pittsburgh Valve, Foundry & Construction Co. (Bends), 26th & A. V. R. R., Pittsburgh, Pa.
**Rempe Co.** (Wrought Iron), **341 N Sacramento av, Chicago, Ill.**
**Roessing Ernst Co.** (Copper), **Butler, Pittsburgh, Pa.**
Shaw Benj. F. Co., Wilmington, Del.
Shaw-Kendall Engineering Co., Toledo, O.
**SIMMONS JOHN CO.** (Iron Coil), 110 Centre, New York
**Simmons Pipe Bending Works, Newark, N.J.**
**Skinner M. B. Co.** ("Rex"), **562 W Washington, Chicago, Ill.**
Taylor Geo. Brass & Bronze Works, 22 Cherry, New York
Triumph Ice Machine Co. (Iron Coils) Oakley, Cincinnati, O.
Filter Mfg. Co. (Iron Coils), 1046 Clinton Milwaukee, Wis.
*See adv index at end of book*

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### 10930— Pipe (Block Tin)

**See also Lead Pipe & Sheet & Pig Lead**
**American Lead Co., 3116 Penn av, Pittsburgh, Pa.**
Baker Lead Mfg. Co., Worcester, Mass.
Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.
Chadwick-Boston Lead Co., Boston, Mass.
Eagle Picher Lead Co., The, 208 S. La Salle, Chicago, Ill.
**Lissberger, Marks & Son, 281 Borden av, Long Island City, New York**
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*

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1695 Jos. Campau, Detroit, Mich.
National Lead Co., 111 B'way, New York
National Lead & Oil Co. of Pa., Commonwealth bldg, Pittsburgh, Pa.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Raymond Lead Works, 735 S Washtenaw av, Chicago, Ill.
**Robertson James Lead Co., 827 S Howard, Baltimore, Md.**
**Rochester Lead Works, Rochester, N. Y.**
Selby Smelting Works, 201 1st, San Francisco, Cal.
**Standard Rolling Mills, 363 Hudson av, Brooklyn, N. Y.**
United Lead Co., 111 B'way, New York
Wensley Metal Products Co., Denver, Colo.
**Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.**

### 10931—Pipe (Brass or Copper Lined)

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*See adv index at end of book*
McMann & Taylor Co., 104 John, New York
*See adv index at end of book*


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### Pipe (Cast Iron)

**See Cast Iron Pipe Manufacturers, Gas & Water; also Cast Iron Soil Pipe Manufacturers**

### 10932—Pipe (Cast Iron Drain or Culvert)

American Road Machinery Co., Kennett Square, Pa.
Galion Iron Works & Mfg. Co., Galion, O.

### 10933—*Pipe (Cast Iron, High Pressure)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

### 10934—Pipe (Cast Iron, Lock Joint)

American Casting Co. ("National"), Birmingham, Ala.

### 10935— Pipe (Cast Steel)

Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*

### 10936— Pipe (Cement)

Concrete Products Co., Diamond Bk. bldg, Pittsburgh, Pa.
Pierce Mfg. Co., 785 Housatonce av, Bridgeport, Conn.

### Pipe Coils

**See Pipe Bends & Coils**

### 10936a— Pipe Copper

**AMERICAN BRASS CO.,** Waterbury, Conn.
*See adv index at end of book*
Badger E. B. & Sons Co., 75A Pitts, Boston, Mass.
*See adv index at end of book*
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Roos Chas. A., 429 E 91st, New York
Simmons John Co., 110 Centre, New York
*See Adv index at end of book*

### Pipe Coverings

**See Pipe & Boiler Coverings, Various Kinds**

### Pipe (Culvert, Metallic)

See Culverts, Road

### 10936b— Pipe (Culverts)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Concrete Products Co., Diamond Bk. bldg., Pittsburgh, Pa.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Gelsen L. S. & Son, Fillmore, N. Y.
Lock Joint Pipe Co. (Reinforced Concrete), East Orange, N. J.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Spokane Culvert & Tank Co., Spokane, Wash.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

### 10937— Pipe (Dredge & Pontoon)

Dixie Culvert & Metal Co., Atlanta, Ga.
Hartley Boiler Works, Montgomery, Ala.
McNamara Bros. Co., Westport, Baltimore, Md.
Machold & Riddell, Stephen Girard bldg, Phila., Pa.
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.
New Bern Iron Works & Supply Co., New Bern, N. C.
Peerless Iron Pipe Exchange, Inc., 302 B'way, New York
*See adv index at end of book*
Southern Boiler & Tank Wks., Memphis, Tenn.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

### Pipe (Dredging, Lap Welded Steel)

See Pipe, Lap-Welded Steel

### 10938—Pipe (Dredging, Slip Joint)

Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

### Pipe (Drive)

See Pipe & Tube Mills

### 10939— Pipe (Enameled Iron)

Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.
Mark Mfg. Co., Evanston, Ill.

### 10939a— *Pipe (Fibre)

Colonial Supply Co. ("Bermico"), Pittsburgh, Pa. *See adv index at end of book*

### 10939b—Pipe (Fire Clay Stove)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden Utah
San Antonio Sewer Pipe Works, San Antonio, Tex.
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.

### 10940—Pipe (Flange, Flexible Joint)

United States Cast Iron Pipe & Foundry Co., Burlington, N. J.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

### 10941—Pipe (Flanged, for High Pressure)

**BALLWOOD CO., THE,** 30 Church New York *See adv index at end of book*
Kellogg M. W. Co., 90 West, New York
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
National Supply Co., Union B'k bldg, Pittsburg, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Scranton Pump Co., Scranton, Pa.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Whitlock Coil Pipe Co. ("Whitlock" Double Lap Joint), Hartford, Conn.

### Pipe (Flue)

See Pipe, Sewer

### Pipe (Furnace)

**See Furnace Pipe & Fixtures**

### Pipe (Galvanized Iron)

See Pipe & Tube Mills

### 10941a—Pipe (Gas, Water & Casing)

Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
**PEERLESS IRON PIPE EXCHANGE, INC,** 302 B'way, New York
*See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

### 10941b—Pipe-Gas (Wrought Iron)

**BYERS A. M. CO.** (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
*See adv on front cover*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*

### 10941c—Pipe (Glass Enameled)

See also Tubing (Glass)
Elyria Enameled Products Co., Elyria, O.

### 10941d—Pipe Headers (Welded)

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Larkin J. K. & Co., 34 Reade, New York
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*See adv on front cover*
Pittsburgh Valve Foundry & Constr. Co., 26th & A. V. R. R., Pittsburgh, Pa.
U S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 10942— Pipe (Hydraulic)

Abendroth & Root Mfg. Co., Newburgh, N. Y.
*See adv index at end of book*
**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*
Ballwood Co. (The), (with Flanges), 30 Church, New York
*See adv index at end of book*
**COAST CULVERT & FLUME CO.,** Portland (Kenton Sta.), Ore.
*See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Lock Joint Pipe Co. (Reinforced Concrete), East Orange, N. J.
Manitowoc Engineering Works, Manitowoc, Wis.
Nason Mfg. Co., 71 Fulton, New York
National Tube Co. ("National," for High Pressure, Oil & Natural Gas Lines), Frick bldg, Pittsburgh, Pa.
Peerless Iron Pipe Exchange, Inc., 302 B'way, New York
*See adv index at end of book*
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Reading Iron Co., Reading, Pa.
Union Iron Works, Spokane, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 10943—Pipe (Hydraulic, Steel Riveted)

**AMERICAN SPIRAL PIPE WORKS** ("Taylor's"), Chicago, Ill., & 50 Church, New York
*See adv index at end of book*
**CHICAGO BRIDGE & IRON WORKS,** 2015 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
**COAST CULVERT & FLUME CO.,** Portland (Kenton Sta.), Ore.
*See adv index at end of book*
**DOVER BOILER WORKS,** Sales Office, 40 Church, New York; Works: Dover, N. J. *See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bk bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Shaw Benj. F. Co., Wilmington, Del.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 10943a— *Pipe (Iron & Steel Jobbers)

Larkin J. K. & Co. (Also Water, Steam), 34 Reade, New York
*See adv index at end of book*

## 10943b— Pipe (Irrigation)

California Brick Co., Niles, Cal.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
McNamara Bros. Co., Westport, Baltimore, Md.
Ogden Sewer Pipe & Clay Co., Ogden Utah
San Antonia Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Co., Birmingham, Ala.
Spokane Culvert & Tank Co., Spokane, Wash.
Standard Sewer Pipe Co., Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## Pipe Joint Paste

**See Cements, Pipe Joint**

## 10944—Pipe (Lap-Welded Steel)

**AMERICAN SPIRAL PIPE WORKS** ("Taylor" 12 to 72 in. in Diameter), Chicago, Ill. *See adv index at end of book*
American Welding Co. (Large Size Water Pipe), Carbondale, Pa.
Ballwood Co., The, 30 Church, New York
*See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Iron Trade Products Co., Farmers B'k bldg, Pittsburg, Pa.
**KELLOGG M. W. CO.** 90 West, New York
*See adv index at end of book*
Manitowoc Engineering Wks., Manitowoc, Wis.
Viethardt Steel & Metal Corp., 15 Park row, New York
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 10945— Pipe (Lead)

American Lead Co. (Also Antimonial), 3116 Penn av, Pittsburgh, Pa.
Baker Lead Mfg. Co., Worcester, Mass.
Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.
Charleston Lead Works, Charleston, S. C.
Detroit Lead Pipe Works, Detroit, Mich.
Du Bois Fred'k N. & Co., 247 9th av, New York
Eagle Picher Lead Co., The, 208 S La Salle, Chicago, Ill.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Gardiner Metal Co., 1364 W Lake, Chicago, Ill.
Gibson & Price Co., Swetland bldg, Cleveland, O.
Johnson J. D. Co., 43 Boerum pl, B'klyn, N. Y.
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lawrence Shot & Lead Co. ("Omaha"), Omaha, Neb.
Lissberger, Marks & Son, 281 Borden av, Long Island City, N. Y.
McDonald James & Sons Co., 9th & Sycamore, Cincinnati, O.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
National Lead Co., 111 B'way, New York
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
North American Smelting Co., 9th & Thompson, Phila., Pa.
Northwestern Shot & Lead Works, 90 Fairfield av, W. St. Paul, Minn.
Phillips Lead & Supply Co., 91 S Main, Providence, R. I.
Raymond Lead Wks., 735 S Washtenaw av, Chicago, Ill.
Robertson James Lead Co., 827 S Howard, Baltimore, Md.
Rochester Lead Works, Rochester, N. Y.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Selby Smelting Works, 201 1st, San Francisco, Cal.
Sportsman's Shot Wks., Court & Harriet, Cincinnati, Ohio
Tillinghast L. H. Supply Co., 162 Dorrance, Providence, R. I.
Union Smelting & Refining Co., Inc., St. Charles, Newark, N. J.
United Lead Co., 111 B'way, New York
Wensley Metal Products Co., Denver, Colo.
Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.

## 10946— Pipe (Lead Lined)

Abernethy John F., 703 Myrtle av, B'klyn, N. Y.
Badger E. B. & Sons Co., 75 A Pitts, Boston, Mass. *See adv index at end of book*
Chadwick-Boston Lead Co. (Iron), 162 Congress, Boston, Mass.
Lead Lined Iron Pipe Co. (Iron & Brass), Wakefield, Mass.

## 10947—Pipe (Lead, Tin Lined)

**See also Lead Pipe & Sheet & Pig Lead**
Chadwick-Boston Lead Co., Boston, Mass.
National Lead Co., 111 B'way, New York
Rochester Lead Works, Rochester, N. Y.
United Lead Co., 111 B'way, New York

## 10948— Pipe (Lidded)

Bannon P. Pipe Co. ("Bannon's" for Steam Conduits), Louisville, Ky.

## Pipe Line Supplies

**See Specific Article Required**

## 10948a— Pipe (Lined)

**See also Pipe & Tube Mills**
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

## 10949—Pipe (Lock Bar, Steel)

Gillespie T. A. Co., 50 Church, New York

## 10949a— Pipe (Lock Seam)

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## 10951— Pipe Lowerers, Lifters & Holders

**Love M. A. Mfg. Co., Rockford, Ill.**
**Mark Mfg. Co., Evanston, Ill.**
**Trahern Pump Co., Rockford, Ill.**
**Ward Pump Co., Rockford, Ill.**

## 10952—Pipe (Machine Riveted)

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**Walsh & Weidner Boiler Co., Chattanooga Tenn.**

## 10953— *Pipe (Plates)

Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

## 10954—*Pipe (Punched & Formed Sheets)

**Graver Wm. Tank Works, E. Chicago, Ill.**
*See adv index at end of book*
**Shaw Benj. F. Co. ("Shawco'), Wilmington, Del.**
**Toledo Metal Manufacturers Co., Michigan, Toledo, O.**
*See adv index at end of book*

## 10955—Pipe (Reinforced Concrete)

Concrete Products Co., Diamond B'k bldg, Pittsburgh, Pa.
**Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.**
Gelsen L. S. & Son ("Gelsen"), Fillmore, New York
Lock Joint Pipe Co. (Lock-Joint" System of Continuous, 12 to 108 Inches), East Orange, N. J.
Western Pipe Steel Co., 444 Market, San Francisco, Cal.
**Weston & Brooker Co., Columbia, S. C.**

## 10956-7-8—Pipe (Riveted Steel)

**ABENDROTH & ROOT MFG. CO.** (Straight Seam & "Root" Spiral), Newburgh, N. Y.
*See adv index at end of book*
American Steel Pipe & Tank Co., 608 S Main, Los Angeles, Cal.
Baker Iron Wks., Los Angeles, Cal.
**BIGGS BOILER WORKS CO.,** Case av, & Williams, Akron, O.
*See adv index at end of book*
Blaw Knox Co., Freeport rd, Hoboken, Pa.
**Cambria Steel Co. (3 to 9 ft Diam. up to 30 ft in Length), Widener bldg, Phila., Pa.**
**Carroll-Porter Boiler & Tank Co., Empire bldg, Pittsburgh, Pa.**
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
**COAST CULVERT & FLUME CO.,** Portland (Kenton Sta.), Ore.
*See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
Consolidated Pipe Co., Los Angeles, Cal.

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Leetonia, O. *See adv index at end of book*
Gillespie T. A. Co., 50 Church, New York,
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
**Hammond Iron Works (Over 20 inches Diameter), Warren, Pa.**
*See adv index at end of book*
**Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.**
Heggie Jas. G. & Sons, Joliet, Ill.
**Hindley & Pendelton Co., 74 Greenpoint av, Brooklyn, N. Y.**
**Hodge Boiler Works, 99 Summer, E, Boston, Mass.**
**Hydraulic Supply Mfg. Co. (For Mining, Irrigation & Power Plants), Seattle, Wash.**
**Keller E. Co., Williamsport, Pa.**
**King Bridge Co., Cleveland, O.**
Kittoe Boiler & Tank Co., Inc., Canton, O.
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.**
*See adv index at end of book*
Lacy Mfg. Co., Los Angeles, Cal.
Lancaster Iron Works, Lancaster, Pa.
Lebanon Boiler Works, Lebanon, Pa.
Leffel Jas. & Co. (For Own Use), East St. Springfield, O.
Leslie, Elliott & Co., Paterson, N. J.
**Littleford Bros., 444 E Pearl, Cincinnati, O.**
**Long Walter Mfg. Co., 1312 Muriel, Pittsburgh, Pa.**
McAleenan Boiler Co., Peoria, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
**McNeil Jas. & Bro. Co., Pittsburgh, Pa.**
**Machold & Riddell, Stephen Girard bldg, Phila., Pa.**
Manitowoc Engineering Works, Manitowoc, Wis.
Marinette Boiler Wks. (For Hydroelectric Plants), Marinette, Wis.
Meehan Boiler & Construction Co., Lowellville, O.
Michelmann Steel Construction Co., Quincy, Ill.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Mitchell-Tappen Co., 15 John, New York
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.
National Boiler & Sheet Iron Works, Indianapolis, Ind.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 90 West, New York
Petroleum Iron Works Co., Sharon, Pa.
Phoenix Iron Works Co., Meadville, Pa.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pollock Wm. B. Co., Youngstown, O.
Quaker City Iron Works (Dredge & Pontoon), Tioga & Richmond, Phila., Pa.
Quintard Iron Works Co., 742 E 12th, New York
Reeves Bros. Co., Alliance, O.
*See adv index at end of book*
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Robertson Bros. Mfg. Co. (Black & Galvanized, 4 to 16 inch Diameter, 12 Gauge & Lighter), 5401 Western av, Chicago, Ill.
*See adv index at end of book*
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**San Francisco Bridge Co., Nevada Bank bldg, San Francisco, Cal.**
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
**Schaw-Batcher Co., Sacramento, Cal.**
**Shaw Benj. F. Co., Wilmington, Del.**
**land, Pa.**
Smith S. Morgan Co., York, Pa.
*See adv index at end of book*
**Southern Boiler & Tank Works, Memphis, Tenn.**
Spokane Culvert & Tank Co., Spokane, Wash.
**Standard Boiler & Plate Iron Co., Niles, O.**
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
**Tofte Boiler & Sheet Iron Works, Houston, Tex.**
**Toledo Metal Manufactures Co., Michigan, Toledo, O.**
*See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
**Trump Mfg. Co., Springfield, O.**
Union Iron Works, Hoboken, N. J.
Union Iron Works, Spokane, Wash.
**Union Iron Works Co., 20th & Michigan, San Francisco, Cal.**
**Walsh & Weidner Boiler Co., Chattanooga, Tenn.**
Warren City Tank & Boiler Co., Warren, O.
Weigele Wm. A., Denver, Colo.
**WESTERN GAS CONSTRUCTION CO.,** Fort Wayne, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
**Willamette Iron & Steel Wks., Portland, Ore.**

## Pipe (Seamless Drawn Steel)

**See Tubing, Cold Drawn Seamless Steel**

## 10959— Pipe (Second Hand)

**Albert & Davidson, Inc., 256-264 Oakland, Brooklyn, N. Y.**
*See adv index at end of book*
Carnick R., Franklin, Pa.
**Daniels Arthur Co., 18 Park Row, New York**
**Davidson Pipe & Iron Co., 436 Kent av, Bklyn, N. Y.**
**Eagle Pipe Supply Co., 233 B'way, New York**
**Foster L. B. Co., Park bldg., Pittsburgh, Pa.**
**Green L. A., First Nat'l Bank bldg, Pittsburgh, Pa.**
**Greenspon's Jos. Sons Iron & Steel Co., 67 Branch, St. Louis, Mo.**
**Keystone Pipe & Supply Co., Butler, Pa.**
McDowell & Co., Galveston & Western, Pittsburgh, Pa.
**Marine Metal & Supply Co., 167 South, New York**
**Nathan Chas. E., 133 W Washington, Chicago, Ill.**
**Ohio Pipe Co. (New & Second Hand), Findlay, O.**
**PEERLESS IRON PIPE EXCHANGE, INC,** 302 Broadway, New York
*See adv index at end of book*
Perry, Buxton, Doane Co., First, Boston, Mass.
**Phila. Second Hand Pipe Supply Co., 1008 N 7th, Phila., Pa.**
**Pipe & Contractors Supply Co., 3 Dover, New York**
Pittsburgh Scrap Iron Co., S. 20th & Wharton, Pittsburgh, Pa.
Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 10960— Pipe (Sewer)

American Clay Products Co., 175 5th av, New York
American Fire Brick Co. (Salt Glazed), Spokane, Wash.
American Sewer Pipe Co., Akron, O.

PIPE SEWER—continued

Argillo Works, Carbon Cliff, Ill.
Atlas Coal & Supply Co., Binghamton, N. Y.
Avon Milling & Mfg. Co., Avon, Ill.
Bannon P. Pipe Co. (Vitrified), Louisville, Ky.
Barnitz, Geo. A., York, Pa.
Berry & Ferguson, 159 Devonshire, Boston, Mass.
Berthelet H. Sewer Pipe Co., 4th & Montana av, Milwaukee, Wis.
**Bibb Sewer Pipe Co., Macon, Ga.**
Blackmer & Post Pipe Co. (Salt Glazed Vitrified), Boatman's Bank bldg, St. Louis, Mo.
Buckeye Sewer Pipe Co., Akron, O.
Butte Sewer Pipe & Tile Co., Butte, Mont.
Cannelton Sewer Pipe Co., Cannelton, Ind.
Catlin R. H. Co. (Jobbers), Wilmington, Del.
Chattanooga Sewer Pipe Wks. (Vitrified Glazed Clay), Chattanooga, Tenn.
Chicago Sewer Pipe Co., 133 W Washington, Chicago, Ill.
Cincinnati Sewer Pipe Co., Elm & Water, Cincinnati, O.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Clawson L. E. Co., 80 Page, San Francisco, Cal.
Clay Product Co., 175 W Jackson blvd, Chicago, Ill.
Clearfield Sewer Pipe Co., Clearfield, Pa.
Clermont Sewer Pipe Co., Clermont, Pa.
Columbus Fire & Fire Brick Co., 16 S 3rd, Columbus, Ind.
Columbus Sewer Pipe Co. (Vitrified Glazed Clay), Columbus, Ga.
De Haas G. (Wholesale Dealer), N Marquette, Mich.
Dee Wm. E. Co., 30 N La Salle, Chicago, Ill. Works: Mecca, Ind.
Delaware Clay Mfg. Co., Delaware, O.
Delta Cement Tile Co., Greenville, Miss.
Dennison Sewer Pipe Co., Dennison, O.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Denver Sewer Pipe & Clay Co., Denver, Colo.
Dickey, W. S. Clay Mfg. Co. (Vitrified Glazed Clay), Kansas City, Mo.
East Ohio Sewer Pipe Co. (Vitrified Clay), Irondale, O.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Edwards Vitrified Brick Co., Albion, Ill.
Eichelberger's T. D. Sons, Dayton, O.
Evans Clay Mfg. Co., Uhrichsville, O.
Evens & Howard Fire Brick Co. (Up to 42 Inches), 920 Market, St. Louis, Mo.
Gelsen L. S. & Son, Fillmore, N. J.
Georgia Vitrified Brick & Clay Co., Augusta, Ga.
Gladding, McBean & Co. (For Irrigation), Crocker bldg, San Francisco, Cal. Works: Lincoln, Cal.
Granite Clay Co., Mogadore, O.
Great Northern Sewer Pipe Co., Empire, Ohio
Indiana Sewer Pipe Co., Mecca, Ind.
Iowa Pipe & Tile Co., Des Moines, Iowa
Junction City Sewer Pipe Co., Junction City, O.
Kaul Clay Mfg. Co., Toronto, O.
Kiamensi Clay Co., Newport, Del.
Laclede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.
Lafond T. & Son, Kankakee, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lehigh Sewer Pipe & Tile Co., Fort Dodge, Ia.
Louisville Brick & Tile Co., Louisville, O.
Lyth A. & Sons Co., 48 W. Eagle, Buffalo, N. Y.
Lythe Tile Co., 202 Pearl, Buffalo, N. Y.
McNut Lewis (Also Fittings), Brazil, Ind.
McNutt & McConnell Co., Brazil, Ind.
Mack Mfg. Co., Union Arcade, Pittsburgh, Pa.
Works: New Cumberland, W. Va.
Macomb Sewer Pipe Co. (Vitrified Glazed Clay), Macomb, Ill.
Macon Sewer Pipe Wks. (Vitrified Glazed Clay), Macon, Ga.
Mason City Sewer Pipe Co., Mason City, Ia.
Monmouth Clay Mfg. Co. (and Fittings), Monmouth, Ill.
**Muddox H. C., Sacramento, Cal.**
Mushet W. E. Co. (Jobbers), 502 Mission, San Francisco, Cal.
National Sewer Pipe Co., Webster City, Ia.
New York State Sewer Pipe Co., Rochester, N. Y.
Northwestern Clay Mfg. Co., Aledo, Ill.
Oconee Brick & Tile Co., Middledgeville, Ga.
Ogden Sewer Pipe & Clay Co. (Vitrified Glazed Clay), Ogden, Utah
Ohio Culvert Pipe Co., Tiffin, O.
Ohio River Sewer Pipe Co., Empire, O.
Owensboro Sewer Pipe Co., Owensboro, Ky.
Pacific Sewer Pipe Co., Los Angels, Cal.
Patton Clay Mfg. Co. (Cambria Co.), Patton, Pa.
Pomona Terra Cotta Co. (Shade), Pomona, N. C.
Red Wing Sewer Pipe Co., Red Wing, Minn.
Robinson Clay Product Co., Akron, O.
Robinson & Son Sewer Pipe Co., Uhrichsville, O.
St. Marys Sewer Pipe Co. (3 to 36 inches), St. Marys, Pa.
San Antonio Sewer Pipe Works (Vitrified Glazed Clay), San Antonio, Tex.
Shawmut Clay Mfg. Co. ("Shawmut"), Drummond, Pa.
Somerville Thos. Co., 312 13th N W, Washington, D. C.
Southern Sewer Pipe Co., Birmingham, Ala.
Standard Fire Brick Co., Pueblo, Colo.
Standard Sewer Pipe Works (Vitrified Glazed Clay), Rome, Ga.
Steven's H. Sons Co., Macon, Ga.
Stoneware Pipe Co., East Alton, Ill.
Stratton Fire Clay Co., Empire, O.
Streator Clay Mfg. Co., Streator, Ill.
Texarkana Pipe Works (Vitrified Glazed Clay)
Twin City Fuel Co., Neenah, Wis.
Union Sewer Pipe Co., McKeesport, Pa.
Washington Brick, Lime & Sewer Pipe Co. (Vitrified), Spokane, Wash.
West Virginia Fire Clay Mfg. Co. (Fire Clay), Diamond Bank bldg, Pittsburgh Pa.
White Hall Sewer Pipe & Stoneware Co., White Hall, Ill.
Williams N. A. Co., 133 W Washington, Chicago, Ill.
Winslow & Co. (Vitrified Salt Glazed), Portland, Me.

## 10961—Pipe (Sewer, Cement)

Concrete Products Co., Diamond B'k bldg, Pittsburgh, Pa.
Connelly, Thomas, 118 N. La Salle, Chicago, Ill.
Rhode Island Cement Drain Pipe Co. (Cement), 500 Valley, Providence, R. I.

## 10962—Pipe (Sewer, Reinforced Concrete)

Lock Joint Pipe Co., East Orange, N. J.
Pacific Lock Joint Pipe Co., Seattle, Wash.
Stanley Reinforced Concrete Co., Centralia, Wash.

## 10962a— Pipe (Signal)

**BYERS A. M. CO.** (Genuine Wrought Iron), 235 Water, Pittsburgh, Pa.
*See adv on front cover*

## 10963—Pipe (Spiral, Continuous Interlocking Seam)

Standard Spiral Pipe Works ("Standard," 3 to 40 inches), 48th & Rockwell, Chicago, Ill.

## 10964—Pipe (Spiral Lock Seam)

Lamb & Ritchie Co., Cambridge, Mass.

## 10965-6—Pipe (Spiral Riveted)

**ABENDROTH & ROOT MFG. CO.** (For Pressures up to 300 lbs), Newburgh, N. Y. *See adv index at end of book*
**AMERICAN SPIRAL PIPE WORKS** ("Taylor's" Steel), Chicago, Ill. & 50 Church, New York
*See adv index at end of book*
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Standard Spiral Pipe Works ("Standard" Continuous Interlocking Seam, 3 to 40 inches), 48th & Rockwell, Chicago, Ill.

## Pipe (Steel)

See Pipe & Tube Mills

## 10967—Pipe (Steel Enameled)

Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.

## Pipe (Steel Riveted)

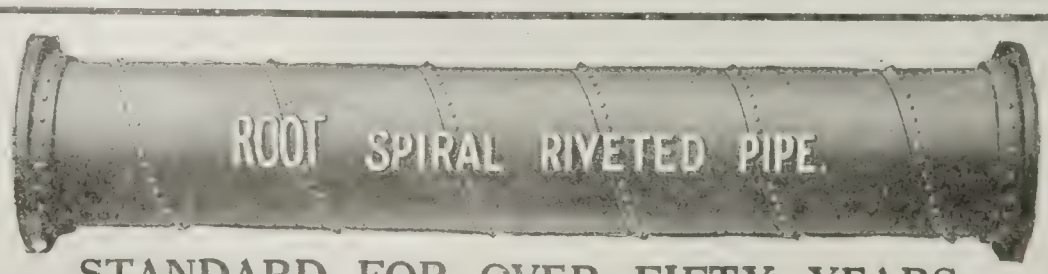
See Pipe, Riveted Steel

## Pipe Stocks & Dies

See Stocks & Dies

## Pipe (Stoneware)

See Pipe, Acid Proof


STANDARD FOR OVER FIFTY YEARS

Weight for weight, Root Spiral Riveted Pipe is the strongest, most durable pipe made, and the most economical in the long run. It is used for water supply, exhaust steam, condenser lines, compressed air, fluid conveying of any kind, paper and pulp mill service, textile mills, dye works, ventilation, irrigation, hydraulic mining and in fact for any pipe service.

This pipe is furnished either asphalted or Galvanized and with Flanged, Bolted or Slip Joint. Made in all sizes, 3" to 30" diameter.

Write for Catalogue No. 41. It also describes and illustrates Root Water Tube Boilers and Root Exhaust Heads.

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### 10968— Pipe (Suction)

Stein John J (Spiral & Straight Riveted Flanged), 30 Clay, B'klyn, N. Y.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Western Railway Equipment Co. ("Linstrom," Non-Freezing, Central Nat'l Bank bldg, St. Louis, Mo.

### 10969— Pipe (Sulphite Mill)

Chadwick-Boston Lead Co. (Special Hard Lead), Boston, Mass.

### 10969a— Pipe (Terra Cotta)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah.
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.

### 10970—Pipe Thawing Apparatus

American Transformer Co., 178-182 Emmet, Newark, N. J.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*

### 10971—Pipe Threaders (Receding)

**See Also Stocks & Dies**

Borden Co., The ("Beaver"), Warren, O.
Greenfield Tap & Die Corp. ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Handy Mfg. Co. ("Beaver"), Bridgeport, Conn.
Hart Mfg. Co. ("Buckeye"), Cleveland, O.
Toledo Pipe Threading Machine Co., 1440 Summit, Toledo, O.
Oster Mfg. Co. ("Matchless"), 2057 E 61st pl, Cleveland, Ohio

### 10972— Pipe (Tin Lined)

Chadwick-Boston Lead Co. (Iron), 162 Congress, Boston, Mass.
Lead Lined Iron Pipe Co. (Iron & Brass), Wakefield, Mass.

### 10972a— *Pipe Tools

**GREENFIELD TAP & DIE CORP.** (Stocks, Dies, Reamers, Taps, Cutters, Vises & Wrenches), Greenfield, Mass.
*See adv index at end of book*
Reed Mfg. Co., Erie, Pa.

### 10973— Pipe (Tuyere)

Hartman Co. (For Blast Furnace), 1231 N Front, Phila., Pa.
National Tube Co. ("National"), Frick bldg, Pittsburgh, Pa.

### 10974— Pipe (Welded Wrought Steel)

Ballwood Co., The, 30 Church, New York
*See adv index at end of book*
Best Co. (Headers), Arrott bldg, Pittsburgh, Pa.
Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.
Continental Iron Works, West & Calyer, Brooklyn, N. Y.
**KELLOGG M. W. CO.,** 90 West, New York
*See adv index at end of book*
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engng. Works, Manitowoc, Wis.
National Tube Co., Frick bldg, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Shaw Benj. F. Co., Wilmington, Del.
Spokane Culvert Tank Co., Spokane, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Whitlock Coil Pipe Co., Hartford, Conn.

### 10975— Pipe Welding

Ballwood Co., The, 30 Church, New York
*See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*
Pipe Coiling, Bending & Welding Co., Arrott bldg., Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. RR, Pittsburgh, Pa.
Rempe Co. (By Electricity), 341 N Sacramento av, Chicago, Ill.
Shaw Benj. F. Co., Wilmington, Del.

### 10975a— Pipe (Well)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Lacey Mfg Co., 300 S Spring, Los Angeles, Cal.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah.
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, A
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

### 10976— Pipe (Wood)

American District Steam Co. (Water), North Tonawanda, N. Y.
**AMERICAN WOOD PIPE CO.,** Tacoma, Wash.
Byrne-Turner Co. (Machine Wire Wound Wood Stave), Bellingham, Wash.
Canal Lumber Co. ("Douglas" Fir staves), Seattle, Wash.
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
**CONTINENTAL PIPE MFG. CO.,** (Stave), Seattle, Wash.
*See adv index at end of book*
Henderson Gilbert W. (Solid Bored), Sheffield, Pa.
Michigan Pipe Co. ("Michigan" Combination Steel & Wood), Bay City, Mich.

# Mc Mann & Taylor Co.

## Pipe, Boiler Tubes, Fittings, Valves, Etc.

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PIPE (WOOD)—continued

**Pacific Tank & Pipe Co.** (Machine Banded, 2 in. to 24 in. Diameter), (continuous, Stave Pipe, 24 in. to 16 ft. Dia), 318 Market, San Francisco, Cal.
**Portland Wood Pipe Co.** (Machine Banded Continuous Stave), Portland, Ore.
**Redwood Mfrs. Co.** (Continuous Wooden Stave & Machine Banded), Hobart bldg, San Francisco, Cal.
**Soderberg J. A., Seattle, Wash.**
**Standard Wood Pipe Co., Williamsport, Pa.**
**Wyckoff A. & Son Co.** (Stave), **Elmira, N. Y.**
**Wyckoff Pipe & Creosoting Co.** (Acid Proof), **30 E 42nd, New York**

### 10977— Pipe (Wood Fibre)

**Fibre Conduit Co., Orangeburg, N. Y.**

### 10978-9—Pipe (Wooden Stave)

**Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.**
*See adv index at end of book*
**Caldwell W. E. Co., Louisville, Ky.**

### 10980—Pipe (Wrought Iron, Jobbers)

**See also Steam Fitters' Supplies; for Manufacturers, see Pipe & Tube Mills**

Albert & Davidson, 256 Oakland, Brooklyn, N. Y. *See adv index at end of book*
**Cornell & Underhill, Spring & Greenwich, New York**
Donovan R. J. Co., 217 Pearl, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See Adv index at end of book*
**McMANN & TAYLOR CO.**, 104 John, N. Y. *See adv index at end of book*
**McMann James R. Co., 56 Gold, New York.**
**Nason Mfg. Co., 71 Fulton, New York**
**O'Neil M., Supply Co., 25 Cliff, New York**
**PEERLESS IRON PIPE EXCHANGE, INC.**, 302 B'way, New York
*See adv index at end of book*
Reenan W. F. & Bro., 120 Worth, New York
Rownson, Drew & Clydesdale, Inc., 80 Wall, New York
**SIMMONS JOHN CO.**, 110 Centre, New York *See adv index at end of book*
Simons & Mills, Inc., 25 Leonard, New York
**Shaw Benj. F. Co., Wilmington, Del.**
**Trimble & Lutz Supply Co., Wheeling, W. Va.**
Walraven Co., The, 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*

### Pipe (Wrought Iron Mfrs.)

**See Pipe & Tube Mills**

### Pipe (Wrought Steel)

**See Pipe & Tube Mills**

### 10981—Pipe & Boiler Covering Mfrs.

**See Sub-classifications following**
**For Jobbers in these Goods, see Mill & Factory Supplies; also Steam Fitters' Supplies**

Arco Co. ("Dum-Dum"), Euclid Av. & E 65th, Cleveland, O.
**Armstrong Cork & Insulation Co.** ("Nonpareil"), 24th & A. V. R. R., Pittsburgh, Pa.
Barrett Co. (Plastic), 17 Battery pl, New York
Celite Products Co. ("Sit-O-Cel"), 11 B'way, New York
Doggett Stanley (Raw Materials), 11 Cliff, New York
Federal Asbestos Co., Milwaukee, Wis.
Johns-Manville H. W. Co., Madison av & 41st, New York
**MIKESELL BROS. CO.**, 156 N La Salle, Chicago, Ill. *See adv index at end of book*
**Nott W. S. Co., 2d av N & 3d, Minneapolis, Minn.**
Richards Mfg. Co., Grand Rapids, Mich.
Ric-Will Co. (Underground Pipe Covering), Cleveland, O.
U. S. Mineral Wool Co., (Mineral Wool), 280 Madison av, New York
Vulcan Fuel Economy Co., 828 B Transportation bldg, Chicago, Ill.
Watson H. F. Co. (Asbestos), Erie, Pa.


When writing to firms whose names appear in this book please mention HENDRICKS' COMMERCIAL REGISTER.


### 10982—Pipe & Boiler Coverings (Air Cell)

**Acme Asbestos Covering & Supply Co.** (Asbestos), **404 N Ada, Chicago, Ill.**
*See adv index at end of book*
**AMERICAN INSULATION CO.**, **Roberts** av & Stokley, Phila., Pa.
*See adv index at end of book*
**Celite Products Co,. 11 B'way, New York**
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Keasbey & Mattison Co. (Wool, Felt, etc.), Amber, Pa.
**MIKESELL BROS. CO.**, 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
**National Air Cell Covering Co., 163 Henderson, Jersey City, N. J.**
**Norristown Magnesia & Asbestos Co., Norristown, Pa.**


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**Continuous Stave—and Wire Wound Wood Pipe**

CONTINUOUS STAVE WOOD PIPE—creosoted or untreated—from 16 inches inside diameter up (the largest yet constructed being 14 feet inside diameter)—smooth internal surface and absence of joints make carrying capacity greater than that of any other pipe.

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Pipe cut to length and fabricated according to blueprint

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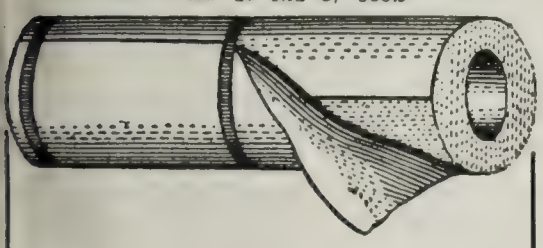
### 10983—Pipe & Boiler Coverings (Asbestos)

**Acme Asbestos Covering & Supply Co.** ("Acme"), 404 N. Ada, Chicago, Ill.
*See adv index at end of book*

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***All kinds***

**Acme Asbestos Covering & Supply Co.**

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Chicago


Adams & Jewell, Rome, N. Y.
**AMERICAN INSULATION CO.,** Roberts av, & Stokley, Phila., Pa.
*See adv index at end of book*

**Asbestos Co. of Calif.,** 16 Natana, San Francisco, Cal.
**Asbestos Felting Wks.,** 79 Maiden la, New York
**Brunett Frank O.,** 396 Smith, Brooklyn, N. Y.
**Buffalo Asbestos Co.,** 64 Del av, Buffalo, N. Y.
**Carey Philip Mfg. Co.,** 330 Wayne av, Lockland, Cincinnati, O.
**Central Asbestos & Magnesia Co.,** 214 W Grand av, Chicago, Ill.
**Chicago Asbestos Mfg. Co.,** 1909 W 22d pl, Chicago, Ill.
Crawford L. M. Asbestos Co., 1901 Clay, Denver, Colo.
**Ehret Magnesia Mfg. Co.,** Land Title bldg, Phila., Pa. Works, Valley Forge, Pa.
**Federal Asbestos Co.,** Milwaukee, Wis.
**Franklin Mfg. Co.** ("Franklin"), Franklin, Pa.
Gillen-Chambers Co., Portland, Ore.
Hardy & Tierney, 410 E 23d, New York
Illinois Fire Proof Covering Co., 216 W Kinzie, Chicago, Ill.
Johns-Manville H. W. Co., Madison av & 41st, New York
**Keasbey Robt. A. Co.,** 445 West, New York
Keasbey & Mattison Co. (Moulded), Ambler, Pa.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
**National Air Cell Covering Co.,** 163 Henderson, Jersey City, N. J.
Nightingale & Childs Co., 205 Congress, Boston, Mass.
Norristown Magnesia & Asbestos Co., Norristown, Pa.
**Racich Asbestos Mfg. Co.,** 609 W 55th, New York
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Sall Mountain Co., 305 S La Salle, Chicago, Ill.
Southern Asbestos Mfg. Co. Inc., Richmond, Va.
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
**Standard Asbestos Mfg. Co.,** 822 W Lake, Chicago, Ill.
**Standard Pipe Covering Co.,** 3748 E 71st, Cleveland, O.
**Trainer C. W. Mfg. Co.,** 55 High, Boston, Mass.
**UNION ASBESTOS & RUBBER CO.,** 231 S Wells, Chicago, Ill.
*See adv index at end of book*
**Watson H. F. Co.** ("Imperial"), Erie, Pa.
**Western Asbestos & Mfg. Co.,** W 33d & Mariposa, Denver, Colo.
**Western Asbestos Magnesia Co.,** 25 S Park, San Francisco, Cal.

### 10984-5—Pipe & Boiler Coverings (Cement)

Acme Asbestos Covering & Supply Co. (Asbestos), 404 N Ada, Chicago, Ill.
*See adv index at end of book*
**AMERICAN INSULATION CO.,** Roberts av & Stokley, Phila., Pa.
*See adv index at end of book*
Atlas Co., Lincoln, N. J.
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa. Works, Valley Forge, Pa.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Johns-Manville H. W. Co., Madison av & 41st, New York
Jones Paint Co., Rome, N. Y.


# ASBESTOS-MAGNESIA & ROOFINGS

## AMERICAN INSULATION COMPANY

Manufacturers, Distributors and Contractors

Roberts Avenue and Stokley Street, Philadelphia, Pa.

PIPE & BOILER COVERINGS (CEMENT) —continued

Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Watson H. F. Co., Erie, Pa.

## 10986— Pipe & Boiler Coverings (Felt)

**Acme Asbestos Covering & Supply Co., 404 N Ada, Chicago, Ill.**
*See adv index at end of book*
**Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.**
**Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa. Works: Valley Forge, Pa.**
**Federal Asbestos Co., Milwaukee, Wis.**
**Franklin Mfg. Co. ("Franklin"), Franklin, Pa.**
Hardy & Tierney (Hair Felt), 410 E 23d, New York
Johns-Manville H. W. Co., Madison av & 41st, New York
**Keasbey Robt. A. Co., 445 West, New York**
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
**Morgan C. Stanley, 55 Wayne, Detroit, Mich.**
National Air Cell Covering Co. (Wood Felt), 163 Henderson, Jersey City, N. J.
Watson H. F. Co., Erie, Pa.

## 10987— Pipe & Boiler Coverings (Magnesia)

**Acme Asbestos Covering & Supply Co., 404 N Ada, Chicago, Ill.**
*See adv index at end of book*
**AMERICAN INSULATION CO.,** Roberts av & Stokley, Phila., Pa.
*See adv index at end of book*
**American Magnesia & Covering Co., Plymouth Meeting, Pa.**
**Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.**
**Central Asbestos & Magnesia Co., 214 W Grand av, Chicago, Ill.**
Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa. Works: Valley Forge, Pa.
Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Johns-Manville H. W. Co. ("J. M." 85 per cent.), Madison av & 41st, New York
Keasbey & Mattison Co. (Sectional), Ambler, Pa.
**Magnesia Covering Co., 1927 Market, Phila., Pa.**
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
Norristown Magnesia & Asbestos Co. ("Diamond N"), Norristown, Pa.

## 10988— Pipe & Boiler Coverings (Mineral Wool)

**Acme Asbestos Covering & Supply Co., 404 N Ada, Chicago, Ill.**
*See adv index at end of book*
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
**Union Fibre Co. Inc., Winona, Minn.**
**U. S. Mineral Wool Co., 280 Madison av, New York**

## 10989— Pipe & Tube Mills

Allegheny Steel Co. ("Reliance" Charcoal, Iron & Steel Boiler Tubes; "Reliance" Standard Extra Gauge Boiler Tubes), Oliver bldg, Pittsburgh, Pa. Works: Brackenridge, Pa.
**American Steel Pipe & Tank Co., 608 Los Angeles, Cal.**
**American Steel & Tube Co., Lorain, O.**
**BYERS A. M. CO.** (Lap & Butt Welded Genuine Wrought Iron Pipe, Black & Galvanized, ⅛ to 12 inches; also complete line of Oil Country Tubular Goods, 235 Water, Pittsburgh, Pa.
***See ads on front cover***
Central Tube Co. (Wrought Steel Rigid & **Flexible Conduits) 1st National Bank bldg, Pittsburgh, Pa.**
Chicago Metal Mfg. Co., 313 S Clinton, Chicago, Ill. *See adv index at end of book*
Cohoes Rolling Mill Co. (Wrought Iron Pipe), Cohoes, N. Y.
**Colonial Supply Co. (Jobbers), 441 1st av. Pittsburgh, Pa.**
*See adv index at end of book*
Delaware Seamless Tube Co. (Boiler Tubes, etc), Auburn, Pa.
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless Steel Boiler Tubes, Automobile Tubes, Stay Tubes, etc), W Warren & Wyoming, Detroit, Mich.
Frick & Lindsay Co. (Dealers), Sandusky & Columbus, Pittsburgh, Pa.
*See adv index at end of book*
**Fuller-Lehigh Co., Fullerton, Pa.**
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa.
**Globe Seamless Steel Tubes Co. (Seamless Steel), Peoples Gas bldg, Chicago, Ill**
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf Pipe Line Co., Frik bldg annex, Pittsburgh, Pa.
Illinois Pipe Iron & Mfg. Co., 2117 S Jefferson, Chicago, Ill.
Iron Trade Products Co. (Welded), Farmers B'k bldg, Pittsburgh, Pa.
**IRONBOUND HARDWARE & SUPPLY HOUSE,** 228 Ferry, Newark, N. J.
**Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.**
Keystone Tube Works (Tubing & Tubular Shapes), Connellsville, Pa.
**Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.**
La Belle Iron Works (Black & Galvanized Steam, Gas & Water Pipe, Oil & Gas Line Pipe, Casing, Tubing & Drive Pipe, 1½ to 12 Inches), Steubenville, O.
**Larkin J. K. & Co. (Wrought Iron & Steel Steam), 34 Reade, New York**
*See adv index at end of book*
Limbert Geo. B. & Co., 558 Fulton, Chicago, Ill.
Mark Mfg. Co. (Black & Galvanized Wrought Iron & Steel Pipe, ½ to 20 inches, Boiler Tubes, Casing, Line & Drive Pipe), Evanston, Ill. Mills: Zanesville, O.
**Midvale Steel & Ordnance Co. (Knobbled Charcoal Iron Knobbed Lapwelded Boiler Tubes), Widener bldg, Phila. Pa.**
Monongahela Tube Co. (Iron & Steel Boiler Tubes), Ferguson bldg, Pittsburgh, Pa.
Moorehead Bros. & Co. (Iron Pipe, etc.), Sharpsburg, Pa.
**National Tube Co. ("National" Spellerized Boiler Tubes, Lapweld & Buttweld, Pipe for Steam, Gas & Water, Black, Galvanized & Dipped, also for Oil Well Casing, Air Line, Brake Beam, Tuyere, Dry Kiln, Ammonia, Drive Signal, Conduit, etc.), Frick bldg, Pittsburgh, Pa.**
Newark Tube & Metal Works (Small Sizes Steel Tubing), 560 Ferry, Newark, N. J.
Parkersburg Iron Co. (Charcoal Iron Boiler Tubes, Arch Pipe & Stay Tube), Parkersburg, Pa.
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa.
*See adv index at end of book*
Pittsburg Tube Co. (Bedstead Tubing), Keystone bldg, Pittsburg, Pa.
**Reading Iron Co. (Wrought Iron Pipe, Boiler Tubes, Oil Well Tubing & Casing ⅛ to 20 inches), Reading, Pa.**
**REPUBLIC IRON & STEEL CO.** (Black Standard & Galvanized Line Pipe, Drive Pipe, Tubing & Casing), Youngstown, O.
*See Branch Offices Alphabetical Section*
Seamless Tube Co. of America (Seamless Steel Tubes 1½ to 6 inches: also Boiler Tubes), Frick bldg, Pittsburgh, Pa.
**SIMMONS JOHN CO.** (Wrought Iron & Steel Steam), 110 Centre, New York
*See adv index at end of book*
South Chester Tube Co. (Wrought Iron Pipe), Chester, Pa.
Spang, Chalfant & Co. (Wrought Iron & Steel Pipe for Water, Gas, Steam & Oil ½ to 24 inches & Wrought Iron & Steel Boiler Tubes 1½ to 13 inches), Union Bank bldg, Pittsburgh, Pa.
Steel & Tube Co. of America (Wrought Iron Pipe), Conway bldg, Chicago, Ill.
**Tyler Tube & Pipe Co. (Knobbled Charcoal Iron & Algerite Iron Boiler Tubes), Washington, Pa.**
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
**Wheeling Steel & Iron Co. (Wrought Steel Pipe, Black & Galvanized ⅛ to 12-inch), Wheeling, W. Va.**
**YOUNGSTOWN SHEET & TUBE Co. (Iron & Steel Pipe, from ⅛ to 20-inch, Black & Galvanized, Merchant, Oil Well Casing, Tubing, Drive, Rotary Drill & Line Pipe, Signal Pipe, etc., "Youngstown"), Youngstown, O.**
Zennith & Smith, 26 N Jefferson, Chicago, Ill.

## 10990—Pipes (Flush & Supply)

American Brass & Copper Co., 138 Lafayette, New York
**Dearborn Brass Co., Cedar Rapids, Ia.**
Edwardsville Brass Co., Edwardsville, Ill.
Frost Mfg. Co., Kenosha, Wis.
**Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.**
*See adv index at end of book*
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Limbert Geo. B. & Co., 558 Fulton, Chicago, Ill.
Maco Products Corp. (Nickel Plate), 154 Nassau, New York
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
**Miller Chas. A. Co. (Low-Down Supply), Sturgis, Mich.**
Milwaukee Brass Mfg. Co. (Bath & Basin Cock Supply Pipes, etc.), 251 Lapham, Milwaukee, Wis.
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Reid Brass Mfg. Co., 595 Kent av, Brooklyn, N. Y.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Salem Brass & Iron Mfg. Co., Salem, N. J.
Shwab Bros. Co. (Galvanized Steel), 311 E 9th, New York
Smith E. C. Mfg. Co., 900 W Jackson blvd, Chicago, Ill.
Standard Brass Mfg. Co., Utica, N. Y.
Trenton Brass & Machine Co., Trenton, N. J.
Watrous Co. ("Watrous" White Metal), 524 S Racine, Chicago, Ill.
Wise J. B. Inc., Watertown, N. Y.
Wolverine Brass Works, Grand Rapids, Mich.

## 10991—Pipes (Glass Blowers')

Speer W. B., 107 Carson, Pittsburgh, Pa.

## 10992— Pipes (Hawse)

Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Reed Geo. A. & Son, Gloucester, Mass.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Turl Engng. Wks., Inc., 39 Cortlandt, New York

## 10993— Pipes (Hose)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**Aterite M. & Co., Inc. (Acid), 55 John, New York**
McNab & Harlin Mfg. Co., 55 John, New York

## 10994— Pipes (Organ)

Gottfried A & Co., Erie, Pa.
Pierce Sam'l Organ Pipe Co., Reading, Mass.
White Fred I., Reading, Mass.

## 10995— Pipes (Play)

**Gutta Percha & Rubber Mfg. Co. ("Maltese Cross," Flexible Rubber, etc.), 126 Duane, New York**

## 10996— Pipes (Smoking)

Akron Smoking Pipe Co. (Clay), Mogadore, Ohio
**American Briar Pipe Co., 170 W Randolph, Chicago, Ill.**
Birnbaum Wm. (Meerschaum), 67 Nassau, New York
**Crown Pipe Mfg. Co., Omaha, Neb.**
**De Muth W. & Co. (All Kinds), 230 5th av, New York**
Estes E. B. & Sons (Wood), 364 5th av, **New York** ***See adv index at end of book***
**Frank S. M. & Co., 928 B'way, New York**
Frankau Adolph & Co. (Briar), 175 Front, New York

Globe Smoking Pipe Co., Cortland, N. Y.
Harvey & Watts, 1822 E Venango, Phila., Pa.
Hirsch John, 524 S Spring, Los Angeles, Cal.
Hirschl & Benheim (Cob), Washington, Mo.
Hunter John S. V. (Clay), Camden, N. J.
Kaufmann Bros. & Bondy (All Kinds), 33 E. 17th, New York
Keffer Wm., 1128 N Orianna, Phila., Pa.
Linkman M. & Co., 323 Wells, Chicago, Ill.
Manhattan Briar Pipe Co., 425 Greenpoint av, B'klyn, N. Y.
Missouri Meerschaum Co. (Cob), Washington, Mo.
National Cob Pipe Works (Cob), Union, Mo.
Nax Leonard, 144 Noble, Phila., Pa.
Phoenix American Pipe Works (Cob), Boonville, Mo.
Reiss Bros. & Co. (Meerschaum), 208 W Monroe, Chicago, Ill.
Smith J. W. (Clay), Town of Union, N. J.
Springwells Clay Pipe Co., Orion, Mich.
Stehr C. (Meerschaum), 347 Broome, New York
Union Pipe Co. (Corncob), Owensville, Mo.
Utter W. H. & Son (Briar), Olean, N. Y.
Washington Cob Pipe Works, Washington, Mo.
Willis Co., 76 Pilling, Brooklyn, N. Y.

## 10997— Pipes (Supply, for Gas Stoves)

New York Nickel Plating & Mfg. Co., 327 E 63d, New York

## 10998—Piping (High Pressure)

Almirall & Co., 1 Dominick, New York
American Fdry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
American Machine & Mfg. Co., Atlanta, Ga.
Anderson-Darragh Co., 3206 Penn av, Pittsburgh, Pa.
BELLWOOD CO., THE, 30 Church, New York *See adv index at end of book*
Baltimore Dry Dock & Ship Building Co., Ft East Fort av, Baltimore, Md.
Best Co., Arrott bldg, Pittsburgh, Pa.
Bowers W. A. Heating Co., 484 Market, Milwoukee, Wis.
Braman, Dow Co., 239 Causeway, Boston Mass.
Bride, Grimes & Co., Lawrence, Mass.
Burlingame A. Co., Worcester, Mass.
Coffin Isaac Co., 52 Sudbury, Boston, Mass.
Crane Co. (Est. 1855) (Steam), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crane W. F. & Co., 149 B'way, New York
Crook H. E. Co., Inc., 28 Light, Baltimore Md.
Danforth John W. Co., Buffalo, N. Y.
Dougherty M. J. Co., No American bldg, Philadelphia, Pa.
Downey Heating & Supply Co., 615 Clybourn, Milwaukee, Wis.
Faith S. & Co., 2427 Penna. av, Phila., Pa.
Gaylard & Butler Co., Scranton, Pa.
Hobson & Lawler Co., Lowell, Mass.
Kehm Bros. Co., 15 W Kinzie, Chicago, Ill.
KELLOGG M. W. CO., 90 West, New York
*See adv index at end of book*
Kries Henry A. & Sons Co., 8 W Lombard, Baltimore, Md.
Kroeschell Bros. Co., 440 W Erie, Chicago, Ill.
McLean & Cousens Co., 204 Purchase, Boston, Mass.
Merrill Co., 19 Pearl, Boston, Mass.
Mitchell W. K. & Co., 2940 Ellsworth, Phila., Pa.
National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.
Parks G. M. Co., Fitchburg, Mass.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
POPE WM. A., 26 N Jefferson, Chicago, Ill.
Power Piping Co., Beaver & Western av, Pittsburgh, Pa.
Reid John L., 356 Mulberry, Newark, N. J.
Riggs, Distler & Stringer (Contractors), 25 Light, Baltimore, Md.
Robbins, Gamwell & Co., Pittsfield, Mass.
Shaw Benj. F. Co., Wilmington, Del.
Shaw, Kendall Engineering Co., Toledo, O.
Wanner Louis, Jr., 1723 Ludlow, Phila., Pa.
York Engineering Co. (Inc.), (For Steam, Hydraulic & Electric Plants, etc., District Steam & Underground Piping a Specialty), York, Pa.

## 10999— Piping Systems

Pittsburgh Valve Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Power Piping Co., Beaver & Western av, Pittsburgh, Pa.

## 10999a—*Pistols (Automatic, Toy)

EDWARDS MFG. CO. (Repeating Paper Cap), 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*
Rockaway Mfg. Co. ("Scout" Repeating Paper Cap Rifles), 421-441 Culvert, Cincinnati, O.

## 10999b—Pistols (Firearms)

Ainslie Machine Tool Works ("Reising" 22 Cal. Automatic Target Pistol), 35 Jefferson av, Hartford, Conn.
Colts Patent Fire Arms Mfg. Co. (Automatic), Hartford, Conn.
Davis-Warner Arms Co. ("Warner" Automatic), 96 Chambers, New York
Detroit Auto Pistol Co., 285 W Baltimore, Detroit, Mich.
Harrington & Richardson Arms Co., Worcester, Mass.
Remington Arms Co., Inc., 233 B'way, New York
Savage Arms Corp. ("Savage" Automatic), Utica, N. Y.
Stevens J. Arms Co., Chicopee Falls, Mass.

## 10999c—*Pistols (Repeating Paper Cap)

EDWARDS MFG. CO., Cincinnati, O.
*See adv index at end of book*

## 10999d—*Pistols (Toy, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 10999e—Piston & Valve Rod Plunger

DOMINION ASBESTOS & RUBBER CORP. ("Rodtite," "Dominion"), 154 Nassau, New York
*See adv index at end of book*

## 11000— Pistons (Engine)

Aluminum Castings Co. (Aluminum), 2210 Harvard, Cleveland, O.
Capitol Foundry Co., Hartford, Conn.
Du Bois Foundry Co., Cold Spring, N. Y
Dyer G. H. Co. (Automobile), Cambridge, Mass.
Evarts Machine Co., Hartford, Conn.
Hill-Smith Metal Goods Co. ("H. S." Automobile), 82 Brookline av, Boston, Mass.
Houpert Mahcine Co., 251 W 52d, New York
Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.
Lakeside Foundry Co., Lycaste av & Terminal Ry, Detroit, Mich.
Levett Walker M. Co., Aluminum, Sand or Die Cast ("Magnelite"), 417 E 23d, New York
McCadden Machine Works, 316 6th av, N St. Cloud, Minn.
Manufacturers Foundry Co., Waterbury, Conn.
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Merritt S. W. Co., 699 W 133rd, New York
Miller Engine & Foundry Works (Alloyanum), ("Miller"") 2652 Long Beach av, Los Angeles, Cal.
Muncie Foundry & Machine Co., Muncie, Ind.
Niagara Brass Mfg. Co., 165 Adams, Buffalo, N. Y.
Otis Machine Works, 191 Mill, Rochester, N. Y.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Pollak Steel Co., Cincinnati, O.
Pondelick Bros. ("Pondalloy"), Leavitt & Jackson blvd, Chicago, Ill.
Reliance Foundry Co., Richmond, Ind.
Spackle Machine & Tool Co., Indianapolis, Ind.
Spencer-Smith Machine Co., Howell, Mich.
Standard Automatic Tool Co., Racine, Wis.
Underwood H. B. & Co., 1025 Hamilton, Phila., Pa.
Wainwright W. W. & Son, Connersville, Ind.
Waterbury Welding Co., Waterbury, Conn.
Wilson Foundry & Machine Co., Pontiac, Mich.

## 11001— Pistons (Pneumatic Hammer)

Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.

## 11001a— Pitch

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 11002— Pitch (Asphalt)

Carey Philip Mfg. Co. 330 Wayne av, Lockland, Cincinnati, O.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
Hercules Oil Refining Co., Los Angeles, Cal.
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
Warren Chemical & Mfg. Co., 17 Battery pl, New York
Watson H. F. Co., Erie, Pa.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.

## 11003— Pitch (Brewers')

American Pitch Co. ("Red Star"), 414 Water, Cincinnati, O.
Bishopric Products Co. ("Bishopric's"), Spring Grove & Este av, Cincinnati, O.
Casey John A. Co. (Jobbers), 144 Maiden la, New York
National Rosin, Oil & Size Co., 90 West, New York
Zobel Ernest Co., 112 2d av, Brooklyn, N. Y.

## 11004— Pitch (Burgundy)

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Kitz Joseph, 333 Jefferson, Hoboken, N. J.
McKesson & Robbins, 91 Fulton, New York
National Rosin Oil & Size Co., 90 West, New York
West H. T. Co., 148 State, Boston, Mass.

## 11005— Pitch (Coal Tar)

American Tar Products Co., 2088 S La Salle, Chicago, Ill.
Bayway Chemical Co., Elizabeth, N. J.
Carey Philip Mfg. Co. 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Chatfield Mfg. Co., Carthage, Cincinnati, O.
City Gas Co., Norfolk, Va.
Coal Tar Product Co. ("Stag" Brand), 570 Smith, Brooklyn, N. Y.
Larendon M. W. & Co. (Jobbers, Spirits), 82 Wall, New York
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
New Haven Gas Light Co., New Haven, Conn.
Semet-Solvay Co., Syracuse, N. Y.
Watson H. F. Co., Erie, Pa.

## 11006—Pitch (Paving & Roofing)

**See also Coal Tar Products**

Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
Am. Tar Products Co. (Old Style), 208 S La Salle, Chicago, Ill.
Armitage Mfg. Co., Richmond, Va.
Atlanta Gas Light Co. ("Agasco" Paving), Atlanta, Ga.
Atlantic Refining Co. (Petroleum), 3144 Passyunk av, Phila., Pa.
Barrett Co., 17 Battery pl, New York
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
Carey Philip Mfg. Co. (Asbestos Roofing), 330 Wayne av, Lockland, Cincinnati, O.
Casey John A. Co. (Jobbers, Roofing), 144 Maiden la, New York
Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.

PITCH (PAVING & ROOFING)—continued

**Chatfield Mfg. Co., Carthage, Cincinnati, O.**
**Chatfield & Woods Co. (Mfrs.), 3rd & Plum, Cincinnati, O.**
**Coal Tar Product Co., 570 Smith, Brooklyn, N. Y.**
**Ford Mfg. Co., 2339 La Salle, Chicago, Ill.**
**Lamson John S. & Bro., 347 Madison av, New York**
Larendon M. W. & Co. (Roofing, Jobbers), 82 Wall, New York
**Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.**
**Trinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.**
**Walters Mfg. Co., Fulton bldg., Pittsburgh, Pa.**
**Watson H. F. Co., Erie, Pa.**

### 11007— Pitch (Pine)

**Barclay Naval Stores Co., 44 Whitehall, New York**
Chatham Mfg. Co., Savannah, Ga.
Florida Wood Products Co. (Navy Pitch), Jacksonville, Fla.
**GENERAL NAVAL STORES CO. (INC.)** ("Sunny South"), 90 West, New York
Larendon M. W. & Co. (Jobbers), 82 Wall, New York
**National Rosin, Oil & Size Co., 90 West, New York**
North Carolina Naval Stores Co. (Calking & Navy Pitch), Wilmington, N. C.
**Pensacola Tar & Turpentine Co., Gull Point, Fla.**

### 11007— Pitch (Roofing)

American Tar Products Co., 208 S La Salle, Chicago, Ill.
Feld Geo. A. Co., 162 E 129th, New York

### 11008— Pitch (Ship)

International Ship Fittings & Supply Corp., 212-214 Fulton, Broooklyn, N. Y.
*See adv index at end of book*
**National Rosin, Oil & Size Co., 90 West, New York**
Zobel Ernst Co., 112 2d av, Brooklyn, N. Y.

### 11009— Pitch (Stearine)

**Emery Candle Co., Cincinnati, O.**
Fuerst Bros. & Co. (Imp), 2 Stone, New York
Jacob Chas. W. & Allison (Imp), 18 Cedar, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Moore & Munger ("Calaria" Imp), 29 B'way, New York
Scheel Wm. H. (Jobbers), 159 Maiden la, N. Y. *See adv index at end of book*
Southern Cottton Oil Co. ("Scoco"), 120 B'way, New York

### Pitchers (Acid)

See Stoneware, Chemical

### 11010-1— Pitometers

Pitometer Co. Portable for Measuring & Recording the Flow of Water in Pipes), 25 Elm, New York

### 11012— Pivots (Floor)

Bommer Spring Hinge Co., 263 Classen av, Brooklyn, N. Y.

### 11013—Pivots (Steel, for Scientific Instruments)

Wennstrom's John Sons Co., Suffern, N. Y.

### 11014— Pivots (Window)

**Detroit Works, 238 E Larned, Detroit, Mich.**
Steiner & Voegtly Hardware Co., 230 Diamond, Pittsburgh, Pa.
Tabor Sash Fixture Co., 62 Polk, Newark, N. J.

### 11014a— *Placques (Wood)

**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***

### 11014b— Planers

See also sub-classifications following; also Machinery, Planing

Betts Machine Co. 420 Blossom rd, Rochester, N. Y.
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga. *See adv index at end of book*
Simmons Machine Co., 987 B'way, Albany, N. Y.
Smith H. B. Machine Co., Smithfield, N. J.
Walraven Co., The, 36-38 W Alabama, Atlanta, Ga. *See adv index at end of book*

### 11015—Planers (Barrel Head)

**U. S. Bottlers' Machy. Co. ("Electric"),** 2517 Park, Chicago.

### 11015a— Planers (Bevel Gear)

Gleason Works, 2000 University, av, Rochester, N. Y.
*See adv index at end of book*

### 11016-7—Planers (Emery)

Tanite Co. ("Newman"), Stroudsburg, Pa.

### 11018—Planers (Ice, Elevator)

Bodenstein J. G. & Co., Staatsburg, N. Y.

### 11019— Planers (Mitre)

Millers Falls Co. ("Rogers"), 28 Warren New York

### 11020— Planers (Road)

Puffer-Hubbard Mfg. Co. ("Hubbard's"), 32d av S & 26th, Minneapolis, Minn.

### 11021— Planes

**Buckeye Mfg. & Fdry. Co. ("Buckeye"),** 2046 W 55th, Cleveland, O.
Cassady Fairbank Mfg. Co. (Block & Jack), 6126 La Salle, Chicago, Ill.
Chapin-Stevens Co. (Bench, Ship Moulding & Grooving), Pine Meadow, Conn.
Gage Tool Co. (Self-Setting), Vineland, N. J.
**Kensington Hdwe & Tool Mfg. Co. (Iron Block), 410 Mechanic, Germantown, Phila., Pa.**
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Sandusky Tool Co. (Bench, etc), Sandusky, Ohio
**Sargent & Co. (Iron & Wood Bottom Combination "U. S.," Wooden Bench, Nosing or Step, Dado, Fillester, Rabbit, Match, Sash Moulding, "Kenewa" Bench), New Haven, Conn.**
Smith Otis A. ("Fales" Patent Bench), Rockfall, Conn.
**Stanley Rule & Level Co. ("Bailey" Adjustable Iron & Wood "Bed Rock"), New Britain, Conn.**
Union Mfg. Co. ("Union," Iron & Wood), 300 Church st, New Britain, Conn.

### 11022—Planes (Belt Makers')

Manufacturers Belt Hook Co. ("L.-X."), 1321 W Congress, Chicago, Ill.

### 11023— Planes (Core Box)

Gray Iron Casting Co. (For Woood Pattern Makers), Springfield, O.

### Plancs (Hoof)

See Parers Hoof

### 11024— Planimeters

American Steam Gauge & Valve Mfg. Co. ("American Amster" Polar), 208 Camden, Boston, Mass.
Ashcroft Mfg. Co. ("Ashcroft" & "Coffin" Averaging), 119 W 40th, New York
**BRISTOL CO. ("Bristol's" for Circular** Charts), Waterbury, Conn.
*See adv index at end of book*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Du Vivier Ernest H. (Imp.), 30 Church, New York
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
**Gurley W. & L. E. (Polar), Troy, N. Y.**
Keuffel & Esser Co., Hoboken, N. J.
Robertson Jas. L. & Son ("The Willis"), 78 Murray, New York
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
**Thompson Richard & Co., 126 Liberty, New York**
Trill Indicator Co. ("Trill"), Corry, Pa.

### 11025— Plank Drawer

Pollard Jos. G. (Steel), 141 Raymond, Brooklyn, N. Y.

### 11026— Planks (Extension)

**Andersen Specialty Co., 6 E Lake, Chicago, Ill.**
Bery John Mfg. Co., 5001 S Wells, Chicago, Ill.

### 11026a—*Planks (Steak & Fish, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***

### 11027—Planters (Bean & Pea)

Allen S. L. & Co. ("Planet Jr."), 5th & Glenwood, Phila., Pa.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Caledonia Bean Harvester Works (Bean), Caledonia, N. Y.
**Deere & Co., Moline, Ill.**
Gale Mfg. Co. (Bean & Pea), Albion,. Mich.
Janesville Machine Co., Janesville,, Wis.
McWhorter Mfg. Co. (Bean), Riverton, N. J.
**Moline Plow Co. ("Boston" & "Flying Dutchman," "Gretchen"), Moline, Ill.**
**Ohio Rake Co. (One Row, "Ohio 40," "Ohio 41 C. & C.," "Dayton C. & C."), Dayton, O.**
**Parlin & Orendorff Co. ("P. & O."), Canton, Ill.**
**Potato Implement Co. (Hand Bean), Traverse City, Mich.**
**Superior Churn & Mfg. Co., Northville, Mich.**
**Wiard Plow Co. (Bean), Batavia, N. Y.**

### 11028— Planters (Beet)

**Allen S. L. & Co., Inc. ("Planet Jr."),** 5th & Glenwood, Phila., Pa.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Gale Mfg. Co., Albion, Mich.
Thomas Mfg. Co. ("Thomas"), Springfield, O.

### 11029—Planters (Broom Corn)

**Gale Mfg. Co., Albion, Mich.**

### 11030— Planters (Corn)

American Seeding Machine Co. ("Simplex" & "Superior"), Springfield, O.
Ames Plow Co. (One Horse, One Row, etc.), Quincy Hall, Boston, Mass.
**Avery B. F. & Sons, Louisville, Ky.**
**Avery Co. (Motor Corn Cultivators), Peoria, Ill.**
**Ayers J. R., Petersburg, Va.**
Belcher & Taylor Agr. Tool Co., Chicopee Falls, Mass.
Brinly Hardy Co. ("Derby"), Louisville, Ky.
Campbell Bros. Mfg. Co., Harrison, O.
Cardwell Machine Co. ("Eureka," "Cardwell," "Smith"), 1900 E Cary, Richmond, Va.
Case J. I. Plow Works (Power Drive Runner (2 Row) Power Drive Disc (2 Row) Corn & Bean Check Power & Drill), Racine, Wis.
Chattanooga Plow Co., Chattanooga, Tenn.
**Cole Mfg. Co. (Comb Seed Dropper, etc), Charlotte, N. C.**
Collins Plow Co., Quincy, Ill.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Deere & Co., Moline, Ill.
**Donaldson Bros. ("King"), Mt. Clemens, Mich.**
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Eureka Mower Co. (1 & 2 Row), 16 Hickory, Utica, N. Y.
Farquhar A. B. Co. (Ltd.) (Also with Fertilizer Attachment), York, Pa.
Gale Mfg. Co. (One & Two Horse Planter & Fertilizers; also Riding; also with Disc), Albion, Mich.
**Hayes Pump & Planter Co. (Riding & Walking), Galva, Ill.**

Hench & Dromgold ("Daisy," "York"), York, Pa.
Hughes & Smythe, Galena, O.
International Harvester Company of America (Inc.) (International-C. B. & Q.-Hoosier-Kentucky-"P. & O."), Harvester bldg, Chicago, Ill.
Janesville Machine Co., Janesville, Wis.
Keystone Machine Co., York, Pa.
Lehr Agricultural Co., Fremont, O.
Le Roy Plow Co., Le Roy, N. Y.
Letz Mfg. Co., Crown Point, Ind
Luthy & Co., Peoria, Ill.
Madison Plow Co., Madison, Wis
Messinger Mfg. Co., Tatamy, Pa.
Moline Plow Co. ("Champion," Single & Double & Three Row), Moline, Ill.
Mountville Mfg. Co. (Single & Double Row), Mountville, Pa.
National Drill Co., Cambridge City, Ind.
Ohio Cultivator Co., Bellevue, O.
Ohio Rake Co. ("Sure Drop"), Dayton, O.
Oliver Chilled Plow Works ("Oliver," "Black Hawk"), South Bend, Ind.
Orndorff O. F., Council Bluffs, Ia.
Parlin & Orendorff Co. ("P. & O.," "No. 4," "No. 6" & "Parlin"), Canton, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Peters Pump Co., Kewanee, Ill.
Potato Implement Co., Traverse City, Mich.
Racine-Sattley Co. ("Sattley No. 1," "Sattley No. 6," "New Yay"), Springfield, Ill.
Rock Island Plow Co. (Double & Single Row), Rock Island, Ill.
Sechler D. M. Implement & Carriage Co. "Black Hawk"), Moline, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Plow Co., Dallas, Tex.
Sterling Mfg. Co., Sterling, Ill.
Superior Churn & Mfg. Co., Northville, Mich.
Wayne Works, Richmond, Ind.
Weaver & Co. ("Root"), New Oxford, Pa.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wiard Plow Co. (Automatic), Batavia, N. Y.
Wistrant Mfg. Co. ("Blue Star"), Galva, Ill.

## 11031—Planters (Corn, Hand)

Donaldson Bros. ("King"), Mt. Clemens, Mich.
Eagle Machine Co., Lancaster, O.
Eureka Fence Mfg. Co., Richmond, Ind.
Eureka Mower Co., 16 Hickory, Utica, N. Y.
Hughes & Smythe, Galena, O.
James Mfg. Co. ("Kent," "Triumph"), Ft. Atkinson, Wis.
Kohler F. E. Co. ("Eclipse" Rotary), Canton, O.
Potato Implement Co. ("Acme"), Traverse City, Mich.
Sheffield Mfg. Co. ("American," "Standard," "Old Reliable"), Burr Oak, Mich.
Wabers Mfg. Co. ("U. S."), Racine, Wis.

## 11032— Planters (Cotton)

Avery B. F. & Sons, Louisville, Ky.
Avery Co. (Steel, Motor Cotton Planters), Peoria, Ill.
Brinly Hardy Co., Louisville, Ky.
Campbell Bros. Mfg. Co., Harrison, O.
Case J. I. Plow Works ("Lone Star," "Cell Drop" & "Pitman Drive"), Racine, Wis.
Chattanooga Plow Co., Chattanooga, Tenn.
Cole Mfg. Co., Charlotte, N. C.
Deere & Co., Moline, Ill.
Emerson-Brantingham Co. ("Emerson," Combined Cotton & Corn, Single & Double Row), Rockford, Ill.
Farquhar A. B. Co. (Ltd.), York, Pa.
Gale Mfg. Co. (Daisy, One & Two Row, Riding), Albion, Mich.
Gantt Mfg. Co., Macon, Ga.
Harriman Mfg. Co., Harriman, Tenn.
Keystone Machine Co., York, Pa.
Moline Plow Co. ("Champion" Single & Double Row A-1 & Gearless), Moline, Ill.
National Drill Co., Cambridge City, Ind.
Ohio Cultivator Co. ("Ohio" Sulky, etc), Bellevue, O.
Ohio Rake Co., Dayton, O.
Oliver Chilled Plow Works ("Oliver"), South Bend, Ind.
Parlin & Orendorff Co. ("P. & O." Single & Double Row), Canton, Ill.
Racine-Sattley Co. ("Sattley No. 7"), Springfield, Ill.
Rock Island Plow Co. (Double & Single Row), Rock Island, Ill.
Sechler D. M. Implement & Carriage Co., Moline, Ill.
South Bend Chilled Plow Co. (Cotton & Corn), South Bend, Ind.
Southern Plow Co., Columbus, Ga.
Southern Plow Co., Dallas, Tex.
Towers & Sullivan Mfg. Co ("Dow Law"), Rome, Ga.
White's S. R. Sons ("Eclipse," "Foster"), Norfolk, Va.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

## 11033— Planters (Peanut)

Ayers J. R. ("Ayers," Single-Row-One-Horse), Petersburg, Va.
Champion Potato Machine Co., Hammond, Ind.
McWhorter Mfg. Co. ("McWhorter," Single-Row-Wheel-Hand & Two-Row-One-Horse), Riverton, N. J.
Whitehurst R. W. Mfg. Corp. ("Excelsior" Single-Row-One-Horse), Norfolk, Va.

## 11034— Planters (Potato)

American Seeding Machine Co. ("Evans," Single-Row; also with Fertilizer Attachment), Springfield, O.
Aspinwall Mfg. Co. ("Aspinwall," Single Row; also with Bean & Pea Planter Attachment; also with Fertilizer Attachment), Jackson, Mich.
Bateman Mfg. Co. ("Robbins," "Iron Age Single Row; also with Bean & Pea Planter Attachment; also Fertilizer Attachment), Grenlock, N. J.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Brown-Manly Plow Co. ("Malta"), Malta, Ohio
Champion Potato Machine Co. ("O. K. Champion"; also with Fertilizer Attachment), Hammond, Ind.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Eureka Mower Co. (One & Two Row; also with Fertilizer Attachment), 16 Hickory, Utica, N. Y.
Fetzer & Co. ("McSherry" & "Fetzer"), Springfield, Ill.
Greenville Implement Co. (Hand), Greenville, Mich.
Hassell Iron Works Co. ("Colorado"), Colorado Springs, Colo.
Hirsch Bros. ("Spalding" Single Row), 267 Reed, Milwaukee, Wis.
Hoover Mfg. Co., Avery, O.
McWhorter Mfg. Co. ("McWhorter" Single Row; also with Fertilizer Attachment), Riverton, N. J.
Messinger Mfg. Co. (With Fertilizer Attachment), Tatamy, Pa.
Ohio Rake Co. ("Dayton"), Dayton, O.
Peek's S. H. Sons ("Perfection"), East Aurora, N. Y.
Platt Addison J., Sterling, Ill.
Potato Implement Co. ("Segment," "Eureka," "Acme," "Peerless," "Tubular," "Swan," "Pingree" & "Dewey" Hand), Traverse City, Mich.
Schofield & Co. ("Schofield," Single Row; also Planter & Digger Combined), Freeport, Ill.
Sheffield Mfg. Co. ("Sheffield" Hand), Burr Oak, Mich.
Springer Bros. Mfg. Co. (Two Row, Check or Drill), Edwardsville, Ill.
Stevens Mfg. & Foundry Co. ("Stevens" Single Row), Decatur, Ill.
Towers & Sullivan Mfg. Co. ("Towers"), Rome, Ga.
Wabers Mfg. Co. ("Invincible" Hand), Racine, Wis.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

## 11035—Plaster Boards, Slabs, Etc.

See also Wall Boards

A. B. Fireproofing Co., 64 W. Randoph, Chicago, Ill.
American Cement Plaster Co. ("American"), Lawrence, Kan.
Barrett Co. (Blue Plaster Boards), 17 Battery pl, New York
Bell W. H. Co., 2582 Park av, New York
Beaver Co. ("Beaver"), 956 Beaver rd, Buffalo, N. Y.
Bishopric Mfg. Co. ("Bishopric," Stucco or Plaster), 1453 Este av, Cincinnati, O.
Cardiff Gypsum Plaster Co. (Boards), Ft. Dodge, Ia.
Certain-teed Products Corp. (Blue, Tarred, Wood Fibre Wall Board, etc), Boatman's Bank bldg, St. Louis, Mo.
Duffy J. P. Co. ("Duffy" Wall Board), 207 E 138th, New York
Ford Roofing Products Co. ("Pyramid" Blue), 2338 La Salle, Chicago, Ill.
Fowler & Pay ("Sackett's"), Mankato, Minn.
Grand Rapids Plaster Co. (Boards), Grand Rapids, Mich.
Keystone Fireproofing Co., Chester, Pa.
King J. B. & Co. ("Kings," Fibrous), 17 State, New York
Klotz A. E. Fireproofing Co., 2517 Washington av, New York
National Plaster Board Co. (Plaster Boards), Cleveland, O.
New Jersey Adamant Mfg. Co., Harrison, N. J.
Niagara Gypsum Co., Buffalo, N. Y.
Reinforced Concrete Roof Co. (Reinforced Concrete), Youngstown, O.
Roberds Mfg. Co. (Boards Only), Marion, Ind.
Rubens Paint & Glass Co., Inc. (Boards), Richmond, Va.
United Roofing & Mfg. Co. ("Congs"), Morris bldg., Phila., Pa.
United States Gypsum Co. ("Sackett" & "Adamant"), 205 W Monroe, Chicago, Ill.
**UPSON CO.**, Lockport, N. Y.
*See adv index at end of book*
Wotherspoon Plaster Mills, 725 Vernon av, Long Island City, N. Y.

## 11036—Plaster Mfrs. (Asbestos)

Rutland Fire Clay Co. ("Rutland," Flexible), Rutland, Vt.
United States Gypsum Co. (Wall), 205 W Monroe, Chicago, Ill.

## 11037—Plaster Mfrs. (Calcined)

Acme Cement Plaster Co., Frisco bldg, St. Louis, Mo.
Alabastine Co. (Also Land Plaster), Grand Rapids, Mich.
American Cement Plaster Co., Lawrence, Kan.
American Gypsum Co., Cleveland, O.
Bangs-Gaynor Cement & Plaster Co. (Land Plaster), Fayetteville, N. Y.
Baugh & Sons Co. (Land Plaster), 20 S Delaware av, Phila., Pa.
Bay City Wood Plaster Co., Bay City, Mich.
Conn. Adamant Plaster Co., New Haven, Conn.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Gilmore S., Indian Falls, N. Y.
Grand Rapids Plaster Co. ("Acorn," "Hoveys Eagle," "Green A," & "H. R. M."), Grand Rapids, Mich.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Higginson Mfg. Co., Newburgh, N. Y.
Keystone Plaster Co., Chester, Pa.
King C. Volney, 517 West, New York
King J. B. & Co. ("Kings," "Diamond," "Hilsborough," "Snowflake"), 17 State, New York
Lycoming Calcining Co., Williamsport, Pa.
Miller Clifford L. & Co. (White), 280 Madison av, New York
Newark Plaster Co. ("Newark Pottery"), 65 Bridge, Newark, N. J.
Niagara Gypsum Co., Buffalo, N. Y.
Pacific Portland Cement Co. Consol., Pacific bldg, San Francisco, Cal.
Rock Plaster Mfg. Co. ("Riverside"), 381 4th av, New York
United States Gypsum Co., 205 W Monroe, Chicago, Ill.
Wotherspoon Plaster Mills, 725 Vernon av, Long Island City, N. Y.

## 11038—Plaster Mfrs. (Dental)

Acme Cement Plaster Co. ("Apex," "Mission"), Frisco bldg, St. Louis, Mo.
American Cement Plaster Co., Lawrence, Kans.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Pacific Portland Cement Co. Consol., Pacific bldg, San Francisco, Cal.
Odontographic Mfg. Co., 211 W 126th, New York

PLASTER MFRS. (DENTAL)—continued

Stanley J. R. Chem. Co., Union sq., New York
United States Gypsum Co., 205 W Monroe, Chicago, Ill.

## 11039—Plasters Mfrs. (Fibrous & Staff)

**American Cement Plaster Co., Lawrence, Kans.**
Emmel Chas. & Rose Co., 382 Albany, Boston, Mass.
**Grand Rapids Plaster Co., Grand Rapids, Mich.**
**Harnisch Ad A., Syracuse, N. Y.**
**Jennens W. H., 1811 Baltimore av, Kansas City, Mo.**
**Pacific Portland Cement Co. Consol., Pacific bldg, San Francisco, Cal.**
**United States Gypsum Co., 205 W Monroe, Chicago, Ill.**

## 11040—Plaster Mfrs. (Wall)

**See also Stucco Manufacturers**

### ARIZONA.

DOUGLAS—Arizona Gypsum Plaster Co.

### CALIFORNIA.

AMBOY—Consolidated Pacific Cement Plaster Co.
**LOS ANGELES—Acme Cement Plaster Co.** (See St. Louis, Mo.)
**SAN FRANCISCO—Pacific Portland Cement Co. Cons'd ("Empire," "Reno"), Pacific bldg**

### COLORADO.

DENVER—Colorado Portland Cement Co. ("Ideal")
Loveland Plaster & Mfg. Co.
United States Gypsum Co.
**LOVELAND—Loveland Plaster & Mfg. Co.**
PORTLAND — Colorado-Portland Cement Co. (See Denver, Colo.)

### CONNECTICUT.

NEW HAVEN — Connecticut Adamant Plaster Co.

### ILLINOIS.

CHICAGO—American Cement Plaster Co., Conway bldg
Garden City Sand Co., Chamber of Comm. bldg
United States Gypsum Co. ("Alabaster," "Baker," "Big Four," "Eldorado," "Flint," "Granite," "Imperial," "Ivory," "O. K.," "Pyramid," "Rock," "Zenith," Cement; "Adamant," "Alabaster," "Baker," "Big Four," "Diamond," "Fitzgerald," "Flint," "Granite," "Imperial," "Ivory," "Rock," "Zenith," Prepared; "Alabaster," "Baker," "Flint," "Granite," "Imperial," "Ivory," "Rock," "Zenith," Wood Fibre), 205 W. Monroe
PEORIA—U. S. Gypsum Co. (See Chicago, Ill.)

### INDIANA.

INDIANAPOLIS—Keeport A. B. & Co., 620 N Senate av
NEW ALBANY—New Albany Wall Plaster Co. ("Star" & Wood Fibre)

### IOWA.

CEDAR RAPIDS—King's Crown Plaster Co (Wood Fibre)
FORT DODGE—American Cement Plaster Co. (See Lawrence, Kans.)
Cardiff Gypsum Plaster Co. ("Kalloite")
Plymouth Gypsum Co. ("Plymouth," "Hardernell," "Iowa" Special, Cement & Wood Fibre)
Wasem Plaster Co. ("Monarch")

### KANSAS.

**BLUE RAPIDS—American Cement & Plaster Co. (See Lawrence, Kans.)**
**United States Gypsum Co. (See Chicago, Ill.)**
LAWRENCE—American Cement Plaster Co. ("Agatite," "Eagle," "Peerless," "Eureka," "Crystal Rock," "Samson," "Krisolite," "White Rock," "Keystone," "Great Western" Wood Fibre & "Satin Spar," "Sun Flower" Finishing)
MEDICINE LODGE—Best Bros. Keen's Cement

### KENTUCKY.

LOUISVILLE—Atlas Wall Plaster Co.
Kentucky Wall Plaster Co.

### MICHIGAN.

ALABASTER—U. S. Gypsum Co. (See Chicago)
BAY CITY—Bay City Wood Plaster Co. (Fibre)
**DETROIT—Little Chas. H. Co., Dock River Rouge**
U. S. Gypsum Co.
GRAND RAPIDS—Acme Cement Plaster Co. (See St. Louis, Mo.)
Alabastine Co. (Plasticon Hard Wall)
American Cement Plaster Co. (See Lawrence, Kans.
**Grand Rapids Plaster Co.**
United States Gypsum Co. (See Chicago)

### MINNESOTA.

MANKATO—Fowler & Pay ("Jasper")
**MINNEAPOLIS—U. S. Gypsum Co., Lumber Exchange (See Chicago)**

### MISSOURI.

KANSAS CITY—U. S. Gypsum Co.
ST. LOUIS—Acme Cement Plaster Co. ("Asme, "Apex" Cement Wood Fibre & Moulding; "Laramie Standard," "Climax," "Independent" & "Royal" Cement & Wood Fibre), Frisco bldg
Glencoe Lime & Cement Co.

### NEW JERSEY.

EAST NEWARK—New Jersey Adamant Mfg. Co.

### NEW MEXICO.

ACME—Acme Cement & Plaster Co. (See St. Louis, Mo.)

### NEW YORK.

AKRON—American Cement Plaster Co.
American Gypsum Co. (See Rochester, N. Y.)
BUFFALO—Buffalo Paragon Wall Plaster Co., Ellicott sq
Niagara Gypsum Co. ("Niagara" Brand)
**United States Gypsum Co., Brisbane bldg. (See Chicago, Ill.)**
FAYETTEVILLE—Bangs-Gaynor Cement & Plaster Co.
Sheedy Thos. W.
GARBUTT—Diamond Wall Cement Co.
Empire Gypsum Co. (Wall Plaster Sanded & Wood Fibre Plaster) (See Rochester, N. Y.)
Lycoming Calcining Co. (See Williamsport, Pa.
United States Gypsum Co. (See Chicago)
INDIAN FALLS—Gilmore S.
NEWBURGH—Higginson Mfg. Co.

### NEW YORK CITY.

#### Boroughs of Manhattan and Bronx.

NEW YORK—King C. Volney, 517 West King J. B. & Co., 17 State
Miller Clifford L. & Co., 280 Madison av
Rock Plaster Mfg. Co. ("Rock," Blue Seal Rock," Wall), 381 4th av
United States Gypsum Co., 1170 B'way (See Chicago)

#### Borough of Queens.

**LONG ISLAND CITY—Wotherspoon Plaster Mills, 725 Vernon av**

#### Borough of Richmond.

NEW BRIGHTON—King J. B. & Co., 576 Rich Ter. (See New York City)

**(End of New York City)**

OAKFIELD—Niagara Gypsum Co. (See Buffalo, N. Y.)
United States Gypsum Co. (See Chicago)
ROCHESTER—American Gypsum Co.
Empire Gypsum Co. ("Empire," "Cement," "Reliance" Wood Fibre, "Excelsior" Sanded)
ROSLYN—King J. B. & Co. (See N. Y. City)
SYRACUSE—Pack George W. & Son ("Imperial" Adamant & Wood Fibre)
**Paragon Plaster Co., 300 W Water**
Syracuse Wall Plaster Co.
UTICA—American Hard Wall Plaster Co.
Empire Wall Plaster Co.
WHEATLAND — Consolidated Wheatland Plaster Co. (See Calendonia, N. Y.)
Empire Gypsum Co. (See Rochester, N. Y.)

### OHIO.

CLEVELAND—Cleveland Builders' Supply Co., Leader-News bldg
Forrester Plaster Co., ft E 49th
●Kelley Island Lime & Transport Co. ("Tiger" Hydrated Finishing Lime) Leader News bldg
United States Gypsum Co., Shoefield bldg (See Chicago)
COLUMBUS — Hamilton Parker Fuel & Supply Co., 491 Kilbourne
GYPSUM—American Cement Plaster Co.
United States Gypsum Co. (See Chicago)
PORT CLINTON—American Gypsum Co.
TOLEDO—Toledo Pulp Plaster Co. (Pulp)
Woodville Lime Products Co. ("Alca" Lime), 622 Madison av
YOUNGSTOWN—Sharp Bros.

### OKLAHOMA.

BICKFORD—Romen Nose Gyp. Co. ("Chief")
CEMENT—Acme Cement Plaster Co. (See St. Louis, Mo.)
ELDORADO—U. S. Gypsum Co. (See Chicago)
MARLOW—Acme Cement Plaster Co. (See St. Louis, Mo.)
Acme Cement Plaster Co.
OKLAHOMA—Texas Cement Plaster Co.

### PENNSYLVANIA.

BRADDOCK—Crown Wall Plaster Co.
CHESTER—Keystone Plaster Co. ("Adamant" & Victor)
LEBANON—Granitine Wall Plaster Co.
NEW BRIGHTON—New Brighton Plaster Co.
NEW CASTLE—New Castle Elastic Pulp Plaster Co. (Pulp)
NEW KENSINGTON—New Kensington Fibre Plaster Co. (Fibre)
PHILADELPHIA—French Sam'l H. & Co., 4th & Callowhill
SCRANTON—Paragon Plaster & Supply Co.
SPEERS—Charleroi Hard Wall Plaster Co.
WILLIAMSPORT—Diamond Wall Cement Co.
Lyconoming Calcining Co.

### SOUTH DAKOTA.

BLACK HAWK—Dakota Plaster Co. (See Rapid City, S. D.)
RAPID CITY—Dakota Plaster Co.
United States Gypsum Co. (See Chicago)

### TEXAS.

**ACME—Acme Cement Plaster Co. (See St. Louis, Mo.)**
**American Cement Plaster Co. (See Lawrence, Kan.)**
**HAMLIN—Texas Cement Plaster Co.**

### UTAH.

NEPHI—Nephi Plaster & Mfg. Co. (See Salt Lake City, Utah)
SALT LAKE CITY—American Keene Cement Co. (See Sigurd, Utah)
Nephi Plaster & Mfg. Co.
SIGURD—Jumbo Plaster & Cement Co.

VERMONT.

RUTLAND—Rutland Fire Clay Co. ("Rutland," Flexible Asbestos)

VIRGINIA.

NORTH HOLSTON—Southern Gypsum Co., ("Cherokee," "King's Mountain," "Boone," "Carara" Cement & Wood Fibre)
PLASTERCO—U. S. Gypsum Co. (See Chicago)
RICHMOND—Moore, Warner & Co., 17th

WASHINGTON.

SEATTLE—Pioneer Plaster Co.
TACOMA—Pacific Coast Gypsum Co. (Plaster of Paris, Hard Wall, Land Plaster, etc)

WEST VIRGINIA.

WHEELING—Wheeling Wall Plaster Co.

WISCONSIN.

MILWAUKEE—U. S. Gyp. Co., Grove & Oregon (See Chicago)
SUPERIOR—U. S. Gypsum Co. (See Chicago)

WYOMING.

LARAMIE—Acme Cement Plaster Co. See St. Louis, Mo.)
Overland Cement Plaster Co.

## 11041—Plasters Mfrs. (White Trowel Finishing)

U. S. Gypsum Co. ("Adamant No. IXXX," "Imperial," "Ivory," "Rock," "Universal"), 205 W Monroe, Chicago, Ill.

## 11042—Plaster Mfrs. (Wood Fibre)

Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
U. S. Gypsum Co. ("Alabaster," "Baker," "Big Four," "Flint," "Granite," "Imperial," "Ivory," "Rock," "Zenith"), 205 W Monroe, Chicago, Ill.

## Plaster of Paris Mfrs.

See Plaster Manufacturers, Calcined

## 11043—Plaster Products for Paper Trade

Keystone Plaster Co., Chester, Pa.
U. S. Gypsum Co., 205 W Monroe, Chicago, Ill.

## 11044— Plasterers' Steel Corner Beads

Berger Mfg. Co., Canton, O.
Boston Metal Ceiling & Mfg. Co. 27 Haymarket sq, Boston, Mass.
Bostwick Steel Lath Co. ("The Bostwick" Hot Galvanized), Niles, O.
Braun J. G., 609 S Paulina, Chicago, Ill.
Church Appliance Mfg. Co. ("La Salle"), La Salle, Ill.
Consolidated Expanded Metal Co.'s ("Steelcrete"), Braddock, Pa.
Dexter Metal Mfg. Co. (Also Metal), 93 Arch, Camden, N. J.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Gara, McGinley Co. (Woods), 23 S 17th, Phila., Pa.
General Fireproofing Co. ("G. F. Allsteel"), Youngstown, O.
Hastings Foundry & Iron Works (Expanded Metal), Hastings, Neb.
Knapp Bros. Mfg. Co. (Bull-Nose), 2419 W 14th, Chicago, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Northwestern Expanded Metal Co. ("Kno-Equal"), Old Colony bldg, Chicago, Ill.
Penn Metal Ceiling & Roofing ((Ltd.), 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Prescott J. B. & Son ("Prescott"), Webster, Mass.
Rogers-Shear Co. ("Universal," all kinds), Warren, Pa.
St. Paul Roofing, Cornice & Ornament Co. ("Pruden"), St. Paul, Minn.
Sharon Steel Hoop Co. ("Mahoning," "Parker" Rail Bead, "American" Apron Bead), Sharon, Pa.
Sykes Metal Lath & Roofing Co., Niles, O.
Truscon Steel Co., Youngstown, O.
Union Metal Corner Co. ("Hannon," "Hospital," "Union," "Hub" & "G. S.,") 18 Heath, Boston, Mass.
Wicks M. O. Mfg. Co., Glen Cove, N. Y.
YOUNGSTOWN PRESSED STEEL CO. ("American," "Parker"), Warren, O.

## 11045— Plastering Fibre

American Fibre Co., Jacksonville, Fla.
Boston Excelsior Co., 562 W 29th, New York
Fernald Co. ("Giant"), 221 Tehama, San Francisco, Cal.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Whiting E. B. & A. C. Co., Burlington, Vt.

## 11046— Plastering Hair

Armour Curled Hair & Felt Works, 3131 Benson, Chicago, Ill.
Bickta Chas. F., Wilmington, Del.
French Sam'l H. & Co., 4th & Callowhill, Phila., Pa.
Grover John D. & Son, Somerset & Tulip, Phila., Pa.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Illinois Leather Co., 930 N Halsted, Chicago, Ill.

## 11047—Plasters (Medical & Surgical)

Asceptic Products Co., 237 Borden av, Long Island City, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Seabury & Johnson, 59 Maiden la, New York
Seamless Rubber Co. (Adhesive), New Haven, Conn.
Seligman Arthur (Imp), 165 Broadway, New York
U. S. Gypsum Co. ("Quality" Orthopedic), 205 W Monroe, Chicago, Ill.

## 11048— Plate (Aluminum)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*

## 11049— Plate (Armor)

Bethlehem Steel Co. (Forged, etc), South Bethlehem, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Midvale Steel & Ordnance Co. (Forged), Nicetown, Phila., Pa.

## Plate (Copper)

See Plates, Copper

## Plate (Platinum)

See Platinum, Sheet & Wire

## Plate (Shovel)

See Steel Shovel Plate

## Plate (Steel Boiler)

See Iron & Steel Boiler & Tank Plate

## Plate (Steel Fish)

See Braces, Rail

## Plate (Tack)

See Steel Tack Plate

## 11050— Plateaux (Mirror)

Baum Chas. (Reflectors for Cut Glass), 311 B'way, New York

## 11051— Plateaux (Table)

Gallagher P. J., 24 New Chambers, N. Y.

## 11052— Platens (Typewriter)

Ames & Filstead Co., 607 S Dearborn, Chicago, Ill.
Goodrich B. F. Co., Akron, O.

## 11053— Platers' Sponge

Kendrick-Davis Co. ("K-D"), Lebanon, N. H.

## 11054—Platers' & Polishers' Supplies

See also specific article required

Apothecaries Hall Co., Waterbury, Conn.
Bennett-O'Connell Co., 3600 S Morgan, Chicago, Ill.
Burns E. Reed Supply Co., 25 Jackson, Brooklyn, N. Y.
Cleveland Tool & Supply Co., 1427 W 6th, Cleveland, O.
Clinton Supply Co., 117 S. Clinton, Chicago, Ill.
Coxsackie Wheel & Mfg. Co., Coxsackie, N. Y.
CUTTER & WOOD SUPPLY CO., 77 Pearl, Boston, Mass.
*See adv index at end of book*
Day S. A. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Electric Smelting & Aluminum Co., Lockport, N. Y.
Ely C. Upham, 50 Vesey, New York
Fansher Bros., Dayton, O.
Flavin W. H. & Co., 247 Center, New York
General Supply Co., 1314 St. Clair av, Cleveland, O.
General Platers' Supply Co., 489-493 Broome, New York
Gold Walter C., 235 Race, Philadelphia, Pa.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Hoosier Supply Co., 148 S Delaware, Indianapolis, Ind.
L'Hommedieu Chas. F. & Sons Co., 24 S Clinton, Chicago, Ill.
Lyman John R. Co., Springfield, Mass.
Munning A. P. & Co., Matawan, N. J.
New York Buff Co., 202 Centre, New York
Pacific Tool & Supply Co. (Owned by Berger & Carter Co.), Freemont & Mission, San Francisco, Cal.
Stevens Frederick B., 3d & Larned, Detroit, Mich.
*See adv index at end of book*
Tolhurst Machine Works (Metal Dryers), Troy, N. Y.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.
Yorkville Mfg. Co., 273 Lorimer, Brooklyn, N. Y.

## 11054a— *Plates (Aluminum Pattern)

Grammes L. F. & Sons, 344 Union, Allentown, Pa.
*See adv index at end of book*
Nicholls Wm. H. Co. Inc., 2 College pl, B'klyn, N. Y. *See adv index at end of book*

## 11055—Plates (Amalgamating)

San Francisco Plating Works ("Silver" Plated Copper), 1349 Mission, San Francisco, Cal.

## 11056—Plates (Angle, Adjustable)

Boston Scale & Machine Co. (Universal), 100 Ruggles, Boston, Mass.
Frederick Machine Works, Norwalk, O.
Up-To-Date Tool Co., 81 Wareham, Boston, 18 Mass.
*See adv index at end of book*

## 11057— Plates (Baffle)

Bossert Corp., The, cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Engineer Co. (Boiler), 17 Battery pl, New York
Meek Oven Mfg. Co. ("Lawrence" for Gas Stoves), Newburyport, Mass.

## 11058— Plates (Base)

Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Withers Foundry & Machine Works, Atlanta, Ga.

## 11059—Plates (Baseball Shoe)

Parker Wire Goods Co., Worcester, Mass.
Spalding A. G. & Bros., 126 Nassau, New York
Stolz Jos. & Son, Inc., 841 E 136th, New York

### 11060— Plates (Battery)

Braun-Knecht-Heimann Co. (Cooper), 576-584 Mission, San Francisco, Cal.
Lamprey Co., Westfield, Mass.
National Carbon Co. (Carbon), Madison av N & 117th, Cleveland, O.
United Lead Co. (Lead), 111 B'way, New York

### 11061— Plates (Boiler Arch)

Downey T. F. Boiler Works, 323 W Austin av, Chicago, Ill.
*See adv index at end of book*
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Lamprey Co., Westfield, Mass.
**RYERSON JOS. T. & SON,** 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
***See adv index at end of book***

### 11062—Plates (Bolster & Transom)

Alloy Steel Forging Co., Carnegie, Pa.
Harvey Spring & Forging Co., Racine, Wis.

### 11063— Plates (Bosh)

Dixie Brass & Foundry Co., Birmingham, Ala.
Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*
Lawrenceville Bronze Co., Bessemer bldg, Pittsburgh, Pa.
Smeeth-Harwood Co., 2401 W 22d, Chicago, Ill.

### 11064—Plates (Box Printing)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Houchin, Aiken Co., 37 53d, Brooklyn, N. Y.

### 11065— Plates (Brazing)

Phillips-Laffitte Co. ("Laffitte"), Penna. bldg, Phila., Pa.

### 11066— Plates (Buckle)

Cambria Steel Co., Widener bldg, Phila., Pa.
Edge Moor Iron Co., Edge Moor, Del.
Glasgow Iron Co., Pottstown, Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.

### 11067— Plates (Bumper)

Ireland & Matthews Mfg. Co. (For Plumbers' Wood Work), Beard & Chatfield, Detroit, Mich.
Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.
Republic Structural Iron Works Co., 1850 E 53d, Cleveland, Ohio
Stolz Jos. & Son, Inc., 841 E 136th, New York

### 11068—*Plates (Bushing Guide Pipe)

**GREENFIELD TAP & DIE CORP'N** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

### Plates (Card & Label)

See Holders, Card & Label

### 11069—Plates (Cast Iron Stack)

**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
***See adv index at end of book***
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Standard Tank Co., 15 Park Row, New York
Traylor Engineering & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

### 11070— Plates (Center)

Gould Coupler Co., 30 E 42d, New York
Kansas City Bolt & Nut Co. (Forged), Kansas City, Mo.
Joliet Railway Supply Co. ("Hartman" Ball Bearing), 4052 Princeton av, Chicago, Ill.
National Car Coupler Co., 332 S Michigan av, Chicago, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Standard Car Truck Co. ("Barber" Roller Bearing), 332 S Michigan av, Chicago, Ill.
Steel Car Forge Co. (Drop Forged), Frick bldg, Pittsburgh, Pa.
Symington T. H. Co. ("Baltimore" Ball Bearing), Md. Trust bldg, Baltimore, Md.
Transue & William Steel Forging Corp., Alliance, O.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

### 11071— Plates (Cesspool)

Casey-Hedges Co., Chattanooga, Tenn.
Fee & Mason, 81 Beekman, New York
Glenn Fred. E., St. Charles, Ill.
Jones Hollow Ware Co., 1012 Ashland av, Baltimore, Md.

### 11072—Plates (Chandelier Shower)

Friedley-Voshardt Co. (Brass & Copper), 733 S Halsted, Chicago, Ill.

### 11073— Plates (Check)

Turl Engng. Co., 39 Cortlandt, New York
Stolz Jos. & Son, Inc., 841 E 136th, New York

### 11074—Plates (Chrome Steel)

Chrome Steel Works (Also Welded), Chrome, N. J.

### 11074a—*Plates (Church Offertory & Collection)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
***See adv index at end of book***

### 11075— Plates (Chute)

Alloy Steel Forging Co., Carnegie, Pa.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.

### 11076—Plates (Condenser & Supporting)

**AMERICAN BRASS CO.** (Tobin Bronze), Waterbury, Conn.
*For branch offices see adv index at end of book*
Taunton-New Bedford Copper Co. (Yellow Metal), Taunton, Mass.

### 11077— Plates (Copper)

**ALLOY STEEL PRODUCTIONS CORP.,** 19 W 44th, New York
*See adv index at end of book*
**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
National Brass & Copper Co., Lisbon, O.
Taunton-New Bedford Copper Co., Taunton, Mass.

### 11078— Plates (Core)

Advance Engineering Co., Metta av, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Wadsworth Core Machine & Equipment Co., 10 W Buchtel, Akron, O.

### 11079— Plates (Crusher)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Central Foundry Co., Webb City, Mo.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Philadelphia Roll & Machine Co. (Chilled), 25th & Washington av, Phila., Pa.
**TRAYLOR ENGINEERING & MFG. CO.,** Allentown, Pa.
*See adv index at end of book*

### 11080— Plates (Damper)

Parker Supply Co., 785 E 135th, New York

### 11081— Plates (Deck)

Sands A. B. & Son Co., 22 Vesey, New York
Wilcox, Crittenden & Co. Inc., Middletown, Conn. *See adv index at end of book*

### 11082—Plates (Diamond Draw)

American Electrical Works, Philipsdale, R. I.
Balloffet-Baszanger Die Co. (Steel Set), 108 Fulton, New York

### 11083—Plates (Die, Adjustable)

Armstrong Mfg. Co. ("Armstrong"), 278 Knowlton, Bridgeport, Conn.
Borden Co. (The), Warren, O.
Hart Mfg. Co. ("Duplex"), Cleveland, O.

### 11084— Plates (Dry)

American Dry Plate Co., Worcester, Mass.
Central Dry Plate Co., 1811 Arsenal, St. Louis, Mo.
Cramer G. Dry Plate Co., Shenandoah & Lemp avs, St. Louis, Mo.
Defender Photo Supply Co. ("Defender Orthochromatic"), Rochester, N. Y.
Eastman Kodak Co. ("Seeds," "Velox"), Rochester, N. Y.
Forbes Dry Plate Co., 26 Forbes, Rochester, N. Y.
Hammer Dry Plate Co., Ohio av & Miami, St. Louis, Mo.
Phenix Plate Co., Worcester, Mass.
Shepard Mfg. Co., Worcester, Mass.
Straight Dry Plate Co., Jamestown, N. Y.

### 11085— Plates (End Gate)

Griffin Mfg. Co., Erie, Pa.

### 11086—Plates (Engravers' Metal)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
American Steel & Copper Plate Co. (Steel, Copper, Brass & Zinc), 101 Fairmont av, Jersey City, N. J.
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Crowe Name Plate & Engraving Co., 1749 Grace, Chicago, Ill.
North American Copper Co., 52 Vanderbilt av, New York
N. Y. Steel & Copper Plate Co., 30 Morton, Broklyn, N. Y.
Snyder William H. Co., 247 Centre, New York

### 11087— Plates (Expansion)

Beaton & Cadwell Mfg. Co. ("Perfection"), New Britain, Conn.
General Fire Extinguisher Co., Providence, R. I.
Grabler Mfg. Co. (Steel), Cleveland, O.
Hoffman B. Mfg. Co. (Hook & Expansion Plates), 257 6th, Milwaukee, Wis.
Newbury Jas. H., Goshen, N. Y.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Walworth Mfg. Co., Boston, Mass.

### 11088— Plates (Felloe)

American Mfg. Co., Chattanooga, Tenn.
American Shovel & Stamping Co., Lorain, Ohio
Clark W. J. Co., Salem, O.
Columbus Bolt Works Co., Columbus, O.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
Johnson & Walters Mfg. Co., 53 Baltimore av, Detroit, Mich.
McKinley Mfg. Co. (Wrought Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
Sessions J. H. Son, Bristol, Conn.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Upson Nut Co., Cleveland, O.
Woodruff W. W. & Sons Co., Mt. Carmel, Conn.
Wrought Washer Mfg. Co., Milwaukee, Wis.
**YOUNGSTOWN PRESSED STEEL CO.** Warren, O. *See adv index at end of book*

## 11089— Plates (Filter Press)

**Allbright-Nell Co., 5315 Western av, Chicago, Ill.**
American Mfg. Co., Chattanooga, Tenn.
**Aterite M. H. Co. Inc. (Acid), 55 John, New York**
**CORNELL IRON WORKS, 26th & 11th av, New York**
Jackson & Church Co., Saginaw, Mich.
Johnson John Co., 203 37th, B'klyn, N. Y.
Moore Sam'l L. & Sons, Elizabeth, N. J.
Mundt Chas. & Sons, 53 Fairmount av, Jersey City, N. J.
**Provost Engng. Corp. ("Provo"), 220 B'way, New York**
**Shriver T. & Co., Harrison, N. J.**

## 11090—Plates (Flat & Curved)

**Disston Hy & Sons (For Scoring, Cutting & Creasing Presses), Tacony, Phila., Pa.**
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*

## 11091—Plates (Floor, Iron & Steel)

**American Pressed Steel Co., Commercial Trust bldg, Phila., Pa.**
**Bartholomew M. L. (Pressed Steel, Ribbed & Diamond Pattern), Phoenixville, Pa.**
Booth J. B. Co., 216 E Robinson, Pittsburgh, Pa.
**Cambria Steel Co., Widener bldg, Phila., Pa.**
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.
**Castle A. M. & Co. (Diamond or Ribbed** Rolled Steel), 715 N Morgan, Chicago, Ill.
**Decker A. S. & Co. (Diamond & Ribbed Pattern Rolled Steel), House bldg, Pittsburgh, Pa.**
**Froment & Co., 150 Bank, New York**
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Keystone Steel Co. ("Kesco" Open Hearth **Wrought Steel, Diamond, Ribbed & Checkered Pattern), Warren, Pa.**
**Littleford Bros., 444 E Pearl, Cincinnati, Ohio**
Lukens Steel Co., Coatesville, Pa.
Moorhead Bros. & Co., Sharpsburg, Pa.
**Ogden & Wallace (Never Slip Wrought** Steel), 577 Greenwich, New York
**Republic Structural Iron Works Co** (Pressed Steel), 1350 E 53d, Cleveland, O.
**RYERSON JOS. T. & SON, 910 Corn Exchange bldg, & 16th & Rockwell,** Chicago, Ill.
*See adv index at end of book*
**Scott, Sugden & Lamont, Monadnock bldg,** San Francisco, Cal.
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Townsend Foundry & Machine Shop Co. (Cast Iron), Broadway & Rensselaer,** Albany, N. Y.
*See adv index at end of book*
**Waterbury Foundry Co., Waterbury, Conn.**
Wood Alan Iron & Steel Co. ("A. W." Diamond & Ribbed Pattern Rolled Steel), Widener bldg, Phila., Pa.

## Plates (Floor, Wrought Steel)

See Plates, Floor, Iron & Steel

## 11092—Plates (Floor & Ceiling)

**Beaton A. J. Mfg. Co., New Britain, Conn.**
**Beaton & Cadwell Mfg. Co. ("Perfection"), New Britain, Conn.**
Beaton & Corbin Mfg. Co. ("Wells," "B. & C.," "Bishop"), Southington, Conn.
**Boekel Wm. & Co., 518 Vine, Phila., Pa.**
**Cheney S. & Son, Manlius, N. Y.**
**Clarke Robt., 98 Schermerhorn, Brooklyn, N. Y.**
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
**Crescent Brass & Pin Co., 1150 Trumbull, Detroit, Mich.**
**Crescent Mfg. Co., Bristol, Conn.**
**Cryer T. B. Co. ("O. K"), 249 High, Newark, N. J.**
**Davies & Thomas Co. (Cast Iron, Diamond & Checkered), Catasaqua, Pa.**
**Detroit Brass Works, 331 Holden, Detroit, Mich.**
**Devlin Thos. Mfg. Co., 3d & Lehigh av, Phila, Pa.**
**Eriez Stove & Mfg. Co., Erie, Pa.**
Exeter Brass Works, Exeter, N. H.
Fee & Mason, 81 Beekman, New York
Flagg Stanley G. & Co., Morris bldg, Phila., Pa.
**Ford & Kendig Co., 312 N 24th, Phila, Pa.**
Fort Pitt Malleable Iron Co., Thompson & Crawford, Pittsburgh, Pa.
**General Fire Extinguisher Co., Providence, R. I.**
Glenn Fred E., St. Charles, Ill.
Grabler Mfg. Co. (Cold Rolled Steel, Brass, Cast Iron, etc), Cleveland, O.
Grundy Brass Works, Boston, Mass.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
**Illinois Malleable Iron Co., 1801 Diversey** blvd, Chicago, Ill.
**Ireland & Matthews Mfg. Co. (Spun** Brass), Beard & Chatfield, Detroit, Mich.
Kelly & Jones Co. (Cast Iron), 135 Water, Pittsburgh, Pa.
Larkin J. K. & Co. (Checkered Iron & Steel), 34 Reade, New York
*See adv index at end of book*
**McNab & Harlin Mfg. Co., 55 John, New** York
Magee Steam Specialty Corp. ("Jumbo"), 136 Beekman, New York
Modern Iron Works, Quincy, Ill.
Nason Mfg. Co., 71 Fulton, New York
**Nelson N. O. Mfg. Co. ("Vosberg" Thimble), 10th & Chestnut, St. Louis, Mo.**
Newbury Jay H., Goshen N. Y.
Newbury Mfg. Co., Monroe, N. Y.
Norman C. Irwin & Co. ("Cenco"), 18 W Kinzie, Chicago, Ill.
**Parker Wire Goods Co. ("H. & B." Perfection), Worcester, Mass.**
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Ravena Iron Co., Ravena, N. Y.
Russell W. A. & Co. ("Imperial," "Ajax"), 63 W 37th, New York
Rutzler Enoch Co., 404 E 49th, New York
Schweitzer C. & R., 849 Center, Chicago, Ill.
Simmons John Co. ("Simmons"), 110 Centre, New York
*See adv index at end of book*
Stearns E. C. & Co. (Ceiling), 450 Oneida, Syracuse, N. Y.
Walworth Mfg Co., Boston, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

## 11092a—Plates (Flush Switch)

**American Pin Co., Waterbury, Conn.**
**Arrow Electric Co., 103 Hawthorne, Hartford, Conn.**
**Bryant Elec. Co., 142 State, Bridgeport, Conn.**
**Chattanooga Stamping & Enameling Co. (Porcelain & Enameled), Chattanooga, Tenn.**
**Connecticut Elec. Mfg. Co. (Brass), Conn. av, Bridgeport, Conn.**
**Connecticut Telephone & Elec. Co., 70 Britannia, Meriden, Conn.**
**Gillinder & Sons, Inc. (Glass), State & Deverlaux, Phila., Pa.**
**Hart & Hegeman Mfg. Co., Capitol av, Hartford, Conn.**
**Hubbell Harvey (Aligning), Bridgeport, Conn.**
**Keil Francis & Son (Steel), 401 E 163d, New York**
**Lovell F. H. Co., Arlington, N. J.**
**Luminous Unit Co. (Porcelain-Enameled), Jefferson & Washington av, St. Louis, Mo.**
**Metropolitan Elec. Mfg. Co., 14th, Long Island City, N. Y.**
**Pioneer Corp., 1249 W 65th, Chicago, Ill.**
**R. & H. Mfg. Co., Cleveland, Ohio**
**Union Electric Co., Trenton, N. J.**
**United States Glass Co., S 9th & Bingham, Pittsburgh, Pa.**

## 11093— Plates (Follower)

**Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.**
**Etna Forge & Bolt Co., House bldg, Pittsburgh, Pa.**
**Hubbard & Co. (For Car Builders), 63d & Butler, Pittsburgh, Pa.**
**Kansas City Bolt & Nut Co. (For Car Builders), Kansas City, Mo.**
**Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.**
**Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.**
**Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.**
*See adv index at end of book*

## 11094— Plates (Gusset)

**Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.**
**Stolz Jos. & Son, Inc., 841 E 136th, New York**
**Wrought Washer Mfg. Co., Milwaukee, Wis.**

## 11095—Plates (Gutter Crossing)

**Canton Foundry & Machine Co., Canton, O.**
**Crescent Novelty Mfg. Co. (and Sidewalk), 703 S B'way, St. Louis, Mo.**
**South Bend Foundry Co. (Cast Iron Corrugated), South Bend, Ind.**

## 11096— Plates (Hame Tug)

**Frazer & Jones Co. ("Advance"), Syracuse, N. Y.**
**North & Judd Mfg. Co. ("Perfection"), New Britain, Conn.**

## 11097— Plates (Heel)

**Fate-Root-Heath Co. ("Universal," "Lion," "R-H"), Plymouth, Ohio**
**Laing, Harrar & Chamberlin ("Giles"), 43 N 3rd, Phila., Pa.**
**National Shoe Plate Mfg. Co., Cleveland, Ohio**
**Republic Auto Parts Co. (For Ford Cars), 81 10th, Long Island City, N. Y.**
**Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.**
**Sacks Louis, Inc. ("Star," "Boston"), Wilson av, Newark, N. J.**
**United Shoe Machinery Co., 205 Lincoln, Boston, Mass.**

## 11098— Plates (Hinge)

**Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.**
**Brainerd Mfg. Co., East Rochester, N. Y.**
**Corbin P. & F., New Britain, Conn.**
**Penn Hardware Co., Reading, Pa.**

## 11099—Plates Hot (Electric, Gas, etc.)

**Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.**
**Central Scientific Co., 460 E Ohio, Chicago, Ill.**
**Daigger A. & Co., 54 W Kinzie, Chicago, Ill.**
**Electric Heating Apparatus Co., 121 Sussex av, Newark, N. J.**
**Hoskins Mfg. Co., 453 Lawton, Detroit, Mich.**
**Russell Elect. Co. (142 Burner, Electric), 140 W Austin, Chicago, Ill.**
**Scientific Utilities Co., Inc., 18 E 16th, New York**

## 11100— Plates (Index)

**Brown & Sharpe Mfg. Co., Providence, R.I.**
**Grammes L. F. & Sons, Allentown, Pa.**
*See adv index at end of book*

## 11100a—*Plates (Iron & Steel)

**Am. Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**
**Cambria Steel Co., Widener bldg, Phila., Pa.**
**Glasgow Iron Co., Pottstown, Pa.**
**Inland Steel Co., 38 S Dearborn, Chicago, Ill.**
**Lukens Steel Co., Coatesville, Pa.**
**Ryerson J. R. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.**
*See adv index at end of book*
**Whitaker-Glessner Co., Wheeling, W. Va.**

## 11101— Plates (Joint)

**Colorado Fuel & Iron Co., Denver, Col.**

## 11102—Plates (Kick & Push)

**Allith-Prouty Co. ("Prouty" Push), Danville, Ill.**
**American Safety Lamp & Mine Supply Co., Scranton, Pa.**
**Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.**

PLATES (KICK & PUSH)—continued

Champion Hardware Co., Geneva, O.
Cincinnati Mfg. Co., Cincinnati, O.
**Columbus Brass Co., 538 Dublin av, Columbus, O.** *See adv index at end of bok*
Colonial Fireplace Co. (Brass & Iron), 4631 W 12th, Chicago, Ill.
Corbin P. & F., New Britain, Conn.
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Enterprise Hardware Mfg. Co., Frederick, Md.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Griffin Mfg. Co., Erie, Pa.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
**Jackson Wm. H. Company, 2 W 47th,** New York
**Janusch Mfg. Co. (Brass or Bronze), 496** E 134th, New York
Kawner Mfg. Co., Niles, Mich.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Painesville Metallic Binding Co. (Brass & Galv. Iron), Painesville, O.
Payson Mfg. Co. (Kick), 2918 W Jackson blvd, Chicago, Ill.
Penn Hardware Co., Reading, Pa.
Pittsburgh Brass Mfg. Co. (Brass), Penn & 32nd, Pittsburgh, Pa.
Reading Hardware Co. (Push), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co. (Door), North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shank E. A. Sign Co. (Enameled Iron), 19 Park pl, New York
Shelby Spring Hinge Co. (Steel, Solid Bronze & Brass), Shelby, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Stolz Jos. & Son, Inc. (Steel), 841 E 136th, New York
Stover Mfg. & Engine Co., Freeport, Ill.
Taylor & Boggis Foundry Co. (Push), Cleveland, O.
Turner Brass Works, Sycamore, Ill.
Twentieth Century Brass Works, 514 5th av S, Minneapolis, Minn.
Western Brass Mfg. Works (Brass or Bronze), Marshall blvd & W 21st, Chicago, Ill.

## 11103—Plates (Leather Embossing)

Fleissner Chas., 121 N. J. R. R. av, Newark, N. J.
Spence Embossing Co., Inc. (Electro Embossing & Graining), 25 Margaretta, Newark, N. J.

## 11104— Plates (Letter Drop)

Ajax Hardware Mfg. Co. ("Ajax"), 1100 Military rd, Buffalo, N. Y.
Corbin P. & F., New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Pacific Hardware Mfg. Co., Los Angeles, Cal.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Reading Saddle & Mfg. Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.

## 11105— Plates (License)

Dorman J. T. W. Co. (Dog & Wagon), 526 N Calvert, Baltimore, Md.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Meyers Elwood Co. (Automobile), Springfield, O.
Niagara Falls Metal Stamping Works Niagara Falls, N. Y.
Shank E. A. Sign Co., 19 Park pl, New York

## 11106— Plates (Lock Deck)

Durkee Chas. D. & Co., 2 South, New York
Wilcox, Crittenden & Co., Inc. ('Hurlburt," "Hanson" Patterns), Middletown, Conn. *See adv index at end of book*

## 11107-8—Plates (Lock Nut)

Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Torsion Nut Lock & Washer Co., Inc. ("Torsion"), 11 Central, Boston, Mass.

## 11109—Plates (Manganese Steel)

**Alloy Steel Forging Co., Carnegie, Pa.**
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

## 11110— Plates (Match)

Andes E. B. & Co. (Aluminum), Lancaster, Pa.
Bayer Pattern Plate & Mfg. Co., Cleveland, O
British Aluminum Co. Ltd. (Aluminum), 165 B'way, New York
Goodale Co., Kalamazoo, Mich.
Jurack Chas., 201 Oregon, Milwaukee, Wis.
Middleditch Benjamin, Detroit, Mich.
Molthrup Steel Products Co., Beaver Falls, Pa.
Moser Pattern & Foundry Co. (Aluminum), Newark, O.
National Alumnium Co., Racine, Wis.
Nicholls Wm. H. Co. Inc., 2 College pl, B'klyn, N. Y. *See adv index at end of book*
Owren Casting Co., Attleboro, Mass.
Seligman Arthur (Aluminum), 165 B'way, New York
Turner Machine Co. (Aluminum), 3632 N Lawrence, Phila., Pa.
U. S. Match Plate Co., Holyoke, Mass.

## 11111— Plates (Mending)

Auer John Jr., (Wrought), 197 Middleton, Brooklyn, N. Y.
Aurora Door Hanger & Spec. Co., Aurora, Ill.
Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel), St. Louis, Mo.
National Mfg. Co. (Wrought Steel), Sterling, Ill.
Richards-Wilcox Mfg. Co., Aurora, Ill.
**STANLEY WORKS (Wrought Steel), New** Britain, Conn.
*See adv index at end of book*

## 11111a— Plates (Name)

See also Name Plates

Art Metal Construction Co. (Bronze), Jamestown, N. Y.
*See adv index at end of book*
Palm Bros. Co., 20 W Jackson blvd, Chicago, Ill.
Shank E. A. Sign Co. 19 Park pl, New York

## 11112—Plates (Number & Letter)

Eagle Lock Co., Terryville, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Moise-Klinkner Co., 369 Market, San Francisco, Cal.

## Plates (Paper)

See Dishes, Plates, etc, Paper

## 11113— Plates (Perch, Reach & Evener)

Harvey Spring & Forging Co., Racine, Wis.

## 11114— Plates (Pew)

Everett A. & Son, Auburn, N. Y.
Knight H. W. & Son (Number), Seneca Falls, N. Y.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

## 11115— Plates (Piano)

Davenport John Co., Stamford, Conn.
Fairbanks Co., Springfield, O.
Kelly O. S. Co., Springfield, O.
Paragon Foundries Co., Oregon, Ill.
Shriver T. & Co., Harrison, N. J.
Superior Foundry Co., 71st & W. & L. E. Ry., Cleveland, O.
Wenzelman Mfg. Co., Galesburg, Ill.
Wickham Piano Plate Co., Springfield, Ohio

## 11116— Plates (Pie)

McAleer E. J. & Co., 1422 N 8th, Phila., Pa.
Richardson Mfg. Co. ("Perfection" Tin), Bath, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 11117— Plates (Pie, Wood)

Escanaba Mfg. Co., St. Louis, Mo.
Oval Wood Dish Co., Delta, O.

## 11118—Plates (Porcelain Push, Pull, Number, Etc.)

Union Porcelain Works, 300 Eckford, Brooklyn, N. Y.

## 11119-20— Plates (Press)

Continental Fibre Co., Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Hard Fibre for Powder Mills, etc), Wilmington, Del. Works: Marshalton, Del. *See adv index at end of book*
Stolz Jos. & Son., Inc., 841 E 136th, New York

## 11121— Plates (Pump)

Card S. W. Mfg. Co., Mansfield, Mass.

## 11122— Plates (Rail Joint)

Lackawanna Steel Co. ("Abbott"), Buffalo, N. Y.

## 11123— Plates (Rapping)

(For Foundry Use)

Benskin Mfg. Co., Canton, O.
Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Diamond Clamp & Flask Co., Richmond, Ind.
Everett A. & Son, Auburn, N. Y.
Federal Malleable Co. ("Fraser"), West Allis, Wis.
Knight H. W. & Son ("Acme"), Seneca Falls, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Oliver Machinery Co., Grand Rapids, Mich.
Shanafelt Mfg. Co., Canton, O.
Timmis & Clissold (Malleable Iron), Bound Brook, N. J.
Wellman Products Co., 1444 E 49th, Cleveland, O.

## 11124— Plates (Screen)

**Alloy Steel Forging Co., Carnegie, Pa.**
American Manganese Steel Co. ("Amaco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Fox River Screen Plate Co., Appleton, Wis.
Hardy Wm. A. & Sons Co. ("Hardy & Pinder"), Fitchburg, Mass.
Johnston & Chapman Co., 2925 Carroll av, Chicago, Ill.
Judson & Williams, Holyoke, Mass.
Neenah Brass Works, Neenah, Wis.
Rice-Barton & Fales Machine & Iron Co. ("Smith"), Worcester, Mass.
Union Iron Works Co., 20th & Michigan San Francisco, Cal.
Union Screen Plate Co., Fitchburg, Mass.

## 11125— Plates (Sheared)

Allegheny Steel Co. (Steel), Oliver bldg, Pittsburgh, Pa.
Carbon Steel Co. (Open Hearth Steel), ft 32d. Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth Steel), Carnegie bldg, Pittsburgh, Pa.
Central Iron & Steel Co., Harrisburg, Pa.
Chrome Steel Works (Acid & Basic Open Hearth Steel), Chrome, N. J.
Glasgow Iron Co., Pottstown, Pa.
Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.
Illinois Steel Co. (Open Hearth Steel), 208 S La Salle, Chicago, Ill.
Jones & Laughlin Steel Co. (Steel), Ross, Pittsburgh, Pa.
La Belle Iron Works (Basic Open Hearth Steel), Steubenville, O.
Lackawanna Steel Co. (Bessemer & Open Hearth Steel), Buffalo, N. Y.
Larkin J. K. & Co. (Steel), 34 Reade, New York *See adv index at end of book*
Lukens Steel Co. (Open-Hearth Steel), Coatesville, Pa.
McInnes Charles E. & Co., Mariner & Merchants bldg., Phila., Pa.

Midvale Steel & Ordnance Co., Widener bldg, Phila, Pa.
**REPUBLIC IRON & STEEL CO.**, Youngstown, O.
*See Branch Offices Alphabetical Section*
Stolz Jos. & Son., Inc., 841 E 136th, New York
Tennessee Coal, Iron & Railroad Co. (Open-Hearth Steel), Birmingham, Ala.
**YOUNGSTOWN SHEET & TUBE CO.** (Bessemer & Open Hearth Steel), Youngstown, O.

## 11125a— Plates (Ship)

Carnegie Steel Co., Carnegie bldg, Pittsbugh, Pa.

## 11126—Plates (Sill, Carriage)

Bossert Corp., The (Door), cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Searls Mfg. Co., 29 Mulberry, Newark, N. J.

## 11127— Plates (Splice)

**Bethlehem Steel Co., S. Bethlehem, Pa.**
Stolz Jos. & Son., Inc., 841 E 136th, New York

## 11128— Plates (Spring)

**American Shovel & Stamping Co. (For Car Tracks), Lorain, O.**
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Union Spring & Mfg. Co. (Pressed Steel), 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

## 11129— Plates (Stair)

**Hungerford U. T. Brass & Copper Co.** (Brass & Zinc), 80 Lafayette, New York
Lukens Steel Co., Coatesville, Pa.
Painesville Metallic Binding Co., Painesville, Ohio
Zenite Metal Co., Indianapolis, Ind.

## 11129a— Plates (Steel)

See also Iron & Steel Rolling Mills, Boiler & Tank Plate, also Steel Fire Box Plate
American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Larkin J. K. & Co. (All Kinds), 34 Reade, New York. *See adv index at end of book*
Stolz Jos. & Son., Inc., 841 E 136th, New York
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Worth Steel Co., Claymont, Del.

## 11130—Plates (Steel Buckled)

**Glasgow Iron Co. (For Bridges, Buildings, etc), Pottstown, Pa.**

## 11131—Plates (Steel Etching)

Lippert E. T. Saw Co. (Used in Glass Houses for Decorating Glassware), Millvale, Pa.

## 11132— Plates (Strain)

Lanz M. & Sons (For Telegraph Poles), 2907 Carson, Pittsburgh, Pa.

## 11133— Plates (Suction Box)

**Union Screen Plate Co. (Bronze), Fitchburg, Mass.**

## 11134— Plates (Surface)

Brown & Sharpe Mfg. Co., Providence, R. I.
Harbor Machine Co. 183 High, Boston, Mass.
Hub Machine Welding & Contracting Co. ("Acme"), 450 N 12th, Phila., Pa.
Putnam Machine Co., Fitchburg, Mass.
Thurston Mfg. Co. ("Thurco" For Lapping Dies), 140 Benedict, Providence, R. I.
**UNITED MACHINE & MFG. CO.** (Standard Cast Iron), Canton, O.
Up-To-Date Tool Co., 81 Wareham, Boston, 18 Mass. *See adv index at end of book*

## 11135-6— Plates (Switch)

**Altoona Iron Co. (Padded), Altoona, Pa.**
**Bethlehem Steel Co. ("Neverslip" Interlocking), S. Bethlehem, Pa.**

## 11137—Plates (Tie, Railroad)

Atlas Railway Supply Co. ("Atlas"), 431 S Dearborn, Chicago, Ill.
Bethlehem Steel Co., S Bethlehem, Pa.
Cambria Steel Co., Widener bldg, Phila., Pa.
Central Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*
Cincinnati Frog & Switch Co., Cincinnati, Ohio *See adv index at end of book*
Cleveland Railway Supply Co. ("Clary"), Swetland bldg, Cleveland, O.
Dilworth, Porter & Co. (Ltd.), ("Goldie" Rail Brace, "Gledon" Flange), 4th & **Bingham, Pittsburgh, Pa.**
Easton Car & Construction Co. (Industrial), 198 Fulton, New York
*See adv index at end of book*
Elyria Iron & Steel Co. (Rolled Steel Flanged Shoulder), 232 E 131st, Cleveland, O.
**FISHEL & MARKS CO.**, ft. of Krakow av, Cleveland, Ohio
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Illinois Steel Co. (Bessemer Steel), 208 S La Salle, Chicago, Ill.
Inland Steel Co., First Nat'l Bk bldg. Chicago, Ill.
Interseate Iron & Steel Co., 104 N Michigan av, Chicago, Ill.
Lackawanna Steel Co., Buffalo, N. Y.
National Malleable Castings Co., 7706 Platt av S. E., Cleveland, O.
New Era Mfg. Co. (Rail Clamp & Rail Brace, Anti-Creeper Combined), Kalamazoo, Mich.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pratt & Letchworth Co., Buffalo, N. Y.
Railroad Supply Co. ("Wolhaupter" Shoulder Flange Flat Bottom Combination"), 203 S Dearborn, Chicago, Ill.
Sellers Mfg. Co. ("Sellers" Anchor Bottom), 332 S Michigan av, Chicago, Ill.
Spencer Otis Co. ("Economy" Screw Spike, etc.), 80 E Jackson blvd., Chicago, Ill.
Steel Car Forge Co. (Rail Brace), Frick bldg, Pittsburgh, Pa.
Track Specialties Co., 29 B'way, New York
Weir Frog Co., Cincinnati, O.
Western Railway Equipment Co. ("Hoerr," Fish Hook), Central Natl. Bank bldg, St. Louis, Pa.
Wharton Wm. Jr. & Co., Easton, Pa.
Whitaker-Glessner Co. ("Economy"), Wheeling, W. Va.

## 11138—Plates (Tie, Reversible)

New Era Mfg. Co. (Anti-Tip & Anti-Creeper), Kalamazoo, Mich.

## 11139—*Plates (Tobin Bronze)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*

## 11140— Plates (Turn)

Starr Bros. Bell Co. (Wrought Bronze), East Hampton, Conn.

## 11141— Plates (Universal)

**Carbon Steel Co. (Open Hearth Steel), ft. 32d, Pittsburgh, Pa.**
Carnegie Steel Co. (Open Hearth Steel), Carnegie bldg, Pittsburgh, Pa.
Central Iron & Steel Co. (Steel Bridge & Structural), Harrisburg, Pa.
Glasgow Iron Co., Pottstown, Pa.
**Illinois Steel Co. (Bessemer & Open Hearth Steel), 208 S La Salle, Chicago, Ill.**
**Inland Steel Co. (Open Hearth Steel), 1st Nat. Bank bldg, Chicago, Ill.**
**La Belle Iron Works (Basic Open Hearth Steel), Steubenville, O.**
Lackawanna Steel Co. (Bessemer & Open Hearth Steel), Buffalo, N. Y.
**Lukens Steel Co. (Open Hearth Steel Plates of All Kinds), Coatesville, Pa.**
McInnes Charles E. & Co., Mariner & Merchants bldg, Phila., Pa.
**Midvale Steel & Ordnance Co. (Steel), Widener bldg, Phila., Pa.**
Stolz Jos. & Son., Inc., 841 E 136th, New York
**United Alloy Steel Corp. (Basic Open Hearth Steel), Canton, O.**
*See adv index at end of book*
**YOUNGSTOWN SHEET & TUBE CO.** (Bessemer & Open Hearth Steel "Youngstown"), Youngstown, O.

## 11142— Plates (Welding)

Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Century Tool & Metal Co. ("Delmas"), 180 N Market, Chicago, Ill.
Chicago Metal Reduction Co. ("Delmar"), 20 W Jackson blvd, Chicago, Ill.
Phillips-Laffitte Co. ("Laffitte" Chemically Weld Iron & Steel), Penna. bldg, Phila., Pa.

## 11143—Plates (Wire Drawing)

Baker H. & Co., Inc., 101 Duane, New York
Newman Andrew Co., 26 Cortland, New York
**Standard Machinery Co. (Adjustable), Providence, R. I.**

## 11144— Plates (Zinc)

Am. Zinc Products Co. (Rolled Zinc), Greencastle, Ind.
Ball Brothers Glass Mfg. Company (Rolled Zinc), Muncie, Ind.
Edes Mfg. Co., Plymouth, Mass.
Matthiessen & Harper Zinc Co. (Rolled), La Salle, Ill.
New Jersey Zinc Co. (Rolled), 160 Front, New York
Phillips Ezra & Sons (Pure Rolled, for Boilers), South Hanover, Mass.

## 11145—Plates & Screws (Leveling)

**Wolf Co., Chambersburg, Pa.**

## 11145a—Platforms (Lifting Truck)

Koenig Edward L., 23 W Kinzie, Chicago, Ill. *See adv index at end of book*

## 11146—Platforms (Steel Car)

**Commonwealth Steel Co., Pierce bldg, St. Louis, Mo.**
Gould Coupler Co., 30 E 42d, New York
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Standard Coupler Co. ("Standard"), 30 Church, New York; Works: Bridgeport, Conn.

## 11147— Plating Apparatus

Bennett & Seeley, Inc., Bridgeport, Conn.
Easton Polishing Supply Co., Easton, Pa.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
National Galvanizing & Plating Equipment Corp., 52 B'way, New York
U. S. Electro Galvanizing Co. (Complete Plants), 36 Stockton, Brooklyn, N. Y.

## 11147a— *Plating (Nickel)

See also Plating Works
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Weber-Knapp Co., Jamestown, N. Y.

## 11148— Plating Works

**American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.**
American Nickel Works (Nickel), 1415 Dayton, Chicago, Ill.
**American Nickeloid Co. (Zinc Sheets & Tin Plates), Peru, Ill.**
**American Tube & Stamping Co. (Nickel, Brass & Copper), Bridgeport, Conn.**
**Arcade Mfg. Co. (Nickel), Freeport, Ill.**
Artistic Bronze Co. (All Kinds), Bridgeport, Conn.
**Auto Plating & Mfg. Co., Cleveland, O.**
**Bastian Bros. Co. (Gold, Silver), Rochester, N. Y.**

PLATING WORKS—continued

**Biddle Gaumer Co. (Electro. Gold, Silver, Nickel, Copper, etc), 3846 Lancaster av, Phila., Pa.**

**Bliss A. H. & Co. (Nickel & Brass),** N. Attleboro, Mass.

Bossert Corp., The, cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*

**Boston Brass Co. (Nickel), 135 Bacon, Waltham, Mass.**
*See adv index at end of book*

**Boston Nickel Plating Co. (Gold, Silver, Brass, Bronze, Black Nickel & Nickel), 160 Portland, Boston, Mass.**

Brown Bros. (Brass, Copper & Nickel), Stamford, Conn.
*See adv index at end of book*

BROWN BROS.
BRASS FOUNDRY
Jobbers in Brass, Copper and Nickel Plating.
Marine Hardware, Propellers, etc., a specialty.
*Send to us for estimates on your work*
46-48 Garden St., Stamford, Conn.

**Carroll Bros., 185 Franklin, Boston, Mass.**

**Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.**

**Chicago Hardware Foundry Co., 546 W Washington, N Chicago, Ill.**

**Cincinnati Mfg. Co. (All Kinds), Cincinnati, O.**

**Connecticut Web & Buckle Co. (Nickel), Bridgeport, Conn.**

**Daggett Galvanizing & Plating Co., Syracuse, N. Y.**

**Dayton Plating & Mfg. Co., Dayton, O.**

**Delaware Marine Mfg. Co. (Brass & Bronze), Wilmington, Del.**

**Detlaff A. J. Co., 121 E Lafayette, Detroit, Mich.**

**Devlin Thos. Mfg. Co. (Electro Plating in Gold, Silver, Nickel, Brass & Bronze), 3d & Lehigh av, Phila., Pa.**

**Domestic Plating Works Co., 1121 Washington blvd, Chicago, Ill.**

**Drapery Hardware Mfg. Co., 87 35th, Brooklyn, N. Y.**

**Economy Gas Lamp Co. (Brass, Copper & Bronze), Kansas City, Mo.**

**Edstrand & Olson (Nickel, etc), 159 N Jefferson, Chicago, Ill.**

**Edwardsville Brass Co. (Nickel, Electro, etc), Edwardsville, Ill.**

**Empire Nickel Plating Works, Troy, N. Y.**

**Enterprise Brass & Plating Co., 6th & Baymiller, Cincinnati, O.**

**Erie Metal Products Co., Erie, Pa.**

**Excelsior Brass Works (Gold, Silver, Brass, Nickel, Copper & Oxidizing), Reading, Pa.**

**Excelsior Nickel Plating Works (Nickel, Brass & Copper), 40 Clifford, Providence, R. I.**

**Flavin W. H. & Co. (Nickel & Brass), 247 Centre, New York**

**Frank Sani-Cover Supply Co. (Silver & Nickel), Cambridge, Mass.**

**Frazer & Jones Co. (Nickel, Brass & Copper), Syracuse, N. Y.**

**Fries A. G. Plating Co. (Plating & Polishing), 200 Terrace, Buffalo, N. Y.**

**Fries & Co., 91 Main, Buffalo, N. Y.**

**Genesee Plating Works, Rochester, N. Y.**

**Giles & Nielsen Nickel Works (Nickel, Copper, Brass & Silver), Troy, N. Y.**

**Globe Machine & Stamping Co. (Nickel, Brass, Copper, Zinc, Silver, etc), 1250 W 76th, Cleveland, O.**

**Globe Nickel Plating Co. (Nickel), 15 Chardon, Boston, Mass.**

**Gray Iron Foundry Co. (All Kinds), Reading, Pa.**

**Harry Bros. Mfg. Co., 282 Woodbridge, E Detroit, Mich.**

**Hassall (John (Inc.), (Nickel, Brass, Copper, Silver, etc.), Clay & Oakland, Brooklyn, N. Y.**
*See adv index at end of book*

**Hopson & Chapin Mfg. Co., New London, Conn.**

**Howard Jas. L. & Co. (Brass, Bronze,**

**Imperial Brass Mfg. Co. (Gold, Nickel, Silver, etc), 524 S Racine av, Chicago,** Ill. *See adv index at end of book*

**Ingraham A. S. Co. (Nickel, Silver, etc), Attleboro, Mass.**

**Kalamazoo Plating Works (Copper, Brass & Nickel), Kalamazoo, Mich.**

**Kienzle Wm. F. (Gold, Silver, Oroide, Brass & Nickel), 4855 N Paulina, Chicago, Ill.**

**Kleeman L. F. Mfg. Co. (Nickel, etc), 1923 Central, Kansas City, Mo.**

**Konigslow E Stamping & Tool Works (Electro Nickel, Copper, Brass, Bronze), Cleveland, O.**

**Loeffelholz Co. (Silver & Nickel), Milwaukee, Wis.**

**Matthews H. A. Mfg. Co. (Nickel, Copper & Brass, Seymour, Conn.**

**Matthews Mfg. Co. (Brass, Copper & Nickel), 104 Gold, Worcester, Mass.**

**Maynard Mfg. Co. (Nickel, etc.), 127 Purchase, Boston, Mass.**

**MECHANICAL PLATING CO.** (Steel Ball Burnishing & Mechanical Plating of Brass, Copper & Nickel), 616 W Monroe, Chicago, Ill.

**Miller J. Walter Co., Lancaster, Pa.**

**Mills Wm. J. (Gold, Silver & Nickel Plating), 25 Bainbridge, Brooklyn, N. Y.**

**Mohegan Tube Co. (Nickel, Brass & Copper), 306 Scott av, Brooklyn, N. Y.**
*See adv index at end of book*

**National Mfg. & Electro Plating Co. (All Metals), 16 Calender, Providence, R. I.**

**Naugatuck Mfg. Co. (Copper Depositing), Naugatuck, Conn.**

**Nehls Barney, 248 Brush, Detroit, Mich.**

**New Acme Plating Co. (Gold, Silver, Nickel, Brass & Copper), 59 Page, Providence, R. I.**

**Newfield Silver Mfg. Co. Inc. (Barrel, Gold, Silver, Copper & Brass), Bridgeport, Conn.**

**Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 N Washington, Chicago, Ill.** *See adv index at end of book*

**New York Nickel Plating & Mfg. Co. (Nickel, Brass, Bronze & Copper), 327 E 63d, New York**

**Nicol & Co., 218 N Jefferson, Chicago, Ill.**

**North & Judd Mfg. Co. (Gold, Silver, Brass, Copper & Nickel), New Britain, Conn.**

**North Star Spinning & Mfg. Co., St. Paul, Minn.**

**Norwich Nickel & Brass Co. (Nickel, Copper & Silver), Norwich, Conn.**

**Pfeiffers John Plating Works, Syracuse, N. Y.**

**Philadelphia Hardware & Malleable Iron Yorks, 9th & Jefferson, Phila., Pa.**

**Providence Electrotyping & Plating Works (Gold, Brass, Silver, Copper & Nickel), 78 Friendship, Providence, R. I.**

**Pullman Ventilator & Mfg. Co., York, Pa.**
*See adv index at end of book*

**Racine Malleable & Wrought Iron Co. (Nickel, etc.), Racine, Wis.**

**Reed & Prince Mfg. Co. (Nickel), Brass & Copper), Worcester, Mass.**

**Rockford Metal Specialty Co., Rockford, Ill.**

**Roesch Bros. Plating Works (Nickel, Brass & Copper), Belleville, Ill.**

**Schatz Mfg. Co. (Plating, Polishing, etc), Poughkeepsie, N. Y.**

**Seneca Brass & Plating Works, Utica, N. Y.**

**Sessions J. H. & Son (Brass, Nickel & Bronze Plating & Polishing), Bristol, Conn.**

**Sievering Philip (Nickel, Copper & Brass), 408 Broome, New York**

**Snow Wire Works Co., Rochester, N. Y.**

**Southern Brass Mfg. & Plating Co., Houston, Tex.**

**SPENCER'S I. S. SONS (Inc.),** Nickel, Brass, etc), Guilford, Conn.

**Standard Plating Works, York, Pa.**

**Star Nickel Plating Works, 232 N 5th, Phila., Pa.**

**Strater Herman & Sons (Gold, Silver & Nickel), 74 Sudbury, Boston, Mass.**

**Tri-Continental Corp., 2665 Main, Buffalo, N. Y.**

**Turner Brass Works, Sycamore, Ill.**

**Two Rivers Plating Works, Two Rivers, Wis.**

**Union Polishing & Plating Co., Rochester, N. Y.**

**Union Spinning & Plating Co., 67 Sudbury, Boston, Mass.**

**U. S. Electro Lead Plating Co., 1930 W 77th, Cleveland, O.**

**Weiskittel A. & Son Co. (Nickel Platers, Enamelers, etc.), 12th & E Lombard, Baltimore, Md.**

**West Side Foundry Co. (Nickel), Troy, N. Y.**

**Wisconsin Foundry & Steel Works (Nickel & Copper), Cedar Grove, Wis.**

## 11149—Platinoid (Non-Fusing)

**Manhattan Dental Co., Times bldg, New York**

## 11150— Platinum

**American Platinum Works (Specialties), 231 N J R R av, Newark, N. J.**

**Austin John & Son (Refined), 74 Clifford, Providence, R. I.**

**Baker Geo. M. Co. (Refiners), 91 Page, Providence, R. I.**

**Baker & Co. (Special Shape), 54 Austin, Newark, N. J.**

**Bender Hy, 42 Walnut, Newark, N. J.**

**Bishop J. & Co. (Refiners & Melters, Wire, Plate, Tubes & Special Shapes), Malvern, Pa.**

**Goldsmith Bros. Smelting & Refining Co., Heyworth bldg, Chicago, Ill.**

**Guiterman, Rosenfeld & Co. (Imp.), 35 S William, New York**

**Holz & Co., Inc. (Rhotanium), 18 Madison av, New York**
*See adv index at end of book*

**Niehoff Paul G. & Co., 232 E Ohio, Chicago, Ill.**

**Platt Co. Charles S., 101 Park av, New York**

**Roessler & Hasslacher Chemical Co. (Jobbers), 709 6th av, New York**

**South American Gold & Platinum Co. (Miners & Imp.), 61 B'way, New York**

**Whipple & Campbell Co., 488 S Main, Providence, R. I.**

**Wilson H. A. Co. (Mfrs. & Refiners), 97 Chestnut, Newark, N. J.**

## 11151— Platinum Chloride

**Drakenfeld B. F. & Co. (Imp.), 50 Murray, New York**

## 11152—Platinum Crucibles & Dishes

**American Platinum Works, Oliver & N J R R av, Newark. N. J.**

**Bishop J. & Co., Malvern, Pa.**

**Braun-Knecht-Heimann Co. (Sugar Dishes & Water Analysis Dishes), 576-584 Mission, San Fransisco, Cal.**

**Holz & Co., Inc., (Rhotanium) 18 Madison av, New York**
*See adv index at end of book*

## 11153— Platinum Foil

**American Platinum Works (Very Soft), 231 N J R R av, Newark, N. J.**

**Bender Henry, 42 Walnut, Newark, N. J.**

## 11154— Platinum Gauze

**American Platinum Works, 231 N J R R av, Newark, N. J.**

**Holz & Co., Inc. (Rhotanium), 18 Madison av, New York**
*See adv index at end of book*

## 11155— Platinum (Imitation)

**Manhattan Dental Co. ("Platinoid"), Times bldg, New York**

## 11156—Platinum-Iridium Balls

**American Platinum Works, 231 N J R R av, Newark, N. J.**

**Bender Hy, 42 Walnut, Newark, N. J.**

## 11157— Platinum Melting Outfits (Jewelers' & Refiners')

**Jewelers' Technical Advice Co., 14 John, New York**

## 11158—Platinum Sheet & Wire

**American Platinum Works (Soft & Hard), 231 N J R R av, Newark, N. J.**

**Baker & Co. (Also Iridio Platinum), 54 Austin, Newark, N. J.**

**Bender Hy, 42 Walnut, Newark, N. J.**

**Bishop J. & Co., Malvern, Pa.**

**Holz & Co., Inc. (Rhotanium), 18 Madison av, New York**
*See adv index at end of book*

## 11159—Playground & Gymnasium Equipment

**American Playground Device & Swing Co., Terre Haute, Ind.**

**Ashland Mfg. Co., Ashland, O.**

**Everwear Mfg. Co., Springfield, O.**

Health Merry Go-Round Co., Quincy, Ill.
Hellenberg J. B. Co. (Indoor Wood Sporting Goods), Coldwater, Mich.
Medart Fred Mfg. Co., De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*
Narragansett Machine Co. ("Standard"), Providence, R. I.
Safety First Supply Co. ("Diamond"), 107 Third av, Pittsburgh, Pa.
Spalding A. G. & Bros., 126 Nassau, New York
Tothill W. S., 1815 Webster av, Chicago, Ill.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.

## 11160— Playing Card Mfrs.

Dougherty Andrew, 432 4th av, New York
New York Consolidated Card Co., 4th & Webster av, Long Island City, N. Y.
Russell Playing Card Co., Milltown, N. J.
Standard Playing Card Mfg. Co. ("Standard"), 345 W Austin av, Chicago, Ill.
U. S. Playing Card Co. ("Bicycle," "Congress"), Park av, Norwood, Cincinnati, O.

## 11161— Pliers (Belt)

Manufacturers' Belt Hook Co. ("L-X"), 1321 W Congress, Chicago, Ill.

## 11162— Pliers (Burner)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Danielson J. P. & Co., Jamestown, N. Y.

## 11162a— Pliers (Combination)

See also Pliers & Nippers

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Herbrand Co., Fremont, O.
Reed Mfg. Co., Erie, Pa.
Syracuse Twist Drill Co. ("Hero" & "Syracuse"), Borden av, Syracuse, N. Y.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.

## 11163— Pliers (Expansion)

**STARRETT L. S. CO. (THE)** ("Starrett" Drop Forged), Athol, Mass.
*See adv index at end of book*

## 11164— Pliers (Fencing)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Tool Co., Jamestown, N. Y.
Cronk & Carrier Mfg. Co. ("Cronk's" Staple Puller), 150 Lake, Elmira, N. Y.
*See adv index at end of book*
Forged Products Co. ("Gibraltar" Drop Forged), Conway bldg, Chicago, Ill.
Irvington Mfg. Co., Irvington, N. J.
**KILBORN & BISHOP CO.** ("K. & B."), 194 Chapel, New Haven, Conn.
*See adv index at end of book*
**PECK, STOW & WILCOX CO.** (Pexto), Southington, Conn.
*See adv index at end of book*
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
**SMITH & HEMENWAY CO. INC.** ("Red Devil," Drop Forged), 261 H. B'way, New York; 130 H. Coit, Irvington, N. J.
*See adv index at end of book*
Utica Drop Forge & Tool Co., Utica, N. Y.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.

## 11165— Pliers (Gas)

Barcalo Mfg. Co. (Combination), Buffalo, N. Y.
Barnett Oscar Foundry Co. ("Barnett"), Irvington, N. J.
Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Cincinnati Tool Co., Norwood, Cincinnati O. *See adv index at end of book*
Crescent Tool Co. ("Simplex," "Cee Tee Co," "Crescent," "Motor Kit" Universal & Thin Bent Nose, Combination Drop Forged Gas, Pliers, Wire Cutter, Wrench & Screw Driver), 200 Harrison, Jamestown, N. Y.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y. *See adv index at end of book*
Danielson J. P. & Co., Jamestown, N. Y.
Erie Tool Works (Combination), Erie, Pa.
Forged Products Co. ("Gibraltar" Drop Forged), Conway bldg, Chicago, Ill.
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Herbrand Co., Fremont, O.
Irving Mfg. & Tool Co., 157 Chambers, New York
Kraeuter & Co., 583 18th av, Newark, N. J.
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
**OSBORNE C. S. & CO.**, Box 183, Newark, N. J. *See adv index at end of book*
**PECK, STOW & WILCOX CO.** (Pexto), Southington, Conn.
*See adv index at end of book*
Reading Saddle & Mfg. Co. ("Reading" Household), Reading, Pa.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Rubber Insulated Metals Corp. ("Rimco" Insulated), Plainfield, N. J.
Schollhorn Wm. Co., New Haven, Conn.
Smith & Egge Mfg. Co. ("S. & E. M. Co."), Bridgeport, Conn.
**SMITH & HEMENWAY CO. INC.** ("Red Devil" Drop Forged), 261H B'way, New York, 130H Coit, Irvington, N. J.
*See adv index at end of book*
Standard Shoe Machinery Co., Lawrence, Mass.
Syracuse Twist Drill Co. ("Hero" & "Syracuse"), Borden av, Syracuse, N. Y.
Utica Drop Forge & Tool Co., Utica, N. Y.
U. S. Lock & Hardware Co., Columbia, Pa.
Vaughan & Bushnell Mfg. Co. ("V. & B." Center), 2114 Carroll av, Chicago, Ill.
Walworth Mfg. Co., 798 1st, Boston, Mass
Washington Tool Co., Owatonna, Minn.
Williams A. C. Co., Ravenna, O.

## 11166—Pliers (Glass Cutters')

Kraeuter & Co., 583 18th av, Newark, N. J.
Peck, Stow & Wilcox Co., Southington, Conn.
**SMITH & HEMENWAY CO. INC.**, 261H B'way, New York, 130H Coit, Irvington, N. J.
*See adv index at end of book*
Stortz Jno & Son, 210 Vine, Phila., Pa.

## 11167—Pliers (Lead Pipe Expanding)

Anderson Wrench Co., Portland, Conn.
Yonts C. H. & Co., Meadville, Pa.

## 11168— Pliers (Lineman's)

Cincinnati Tool Co. ("Hargraves"), Norwood, Cincinnati, O.
*See adv index at end of book*
Columbus Handle & Tool Co., Columbus, Ind.
Crescent Tool Co. ("Crescent" Drop Forged), 200 Harrison, Jamestown, N. Y.
Cronk & Carrier Mfg. Co. (Insulated & Non-Insulated), 150 Lake, Elmira, N. Y. *See adv index at end of book*
Dicke Tool Co., Downers Grove, Ill.
Irving Mfg. & Tool Co., 157 Chambers, New York
Irvington Mfg. Co., Irvington, N. J.
Klein, Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Osborne C. S. & Co. (Side Cutting), Box 183, Newark, N. J.
*See adv index at end of book*
**PECK, STOWE & WILCOX CO.** (Mica Handle "Pexto"), Southington, Conn.
*See adv index at end of book*
Ransom Concrete Machinery Co., Dunellen, N. J.
Robinson M. W. Co. ("Klein" Pattern), 296 B'way, New York
Schollhorn Wm. Co. ("Bernard's"), New Haven, Conn.
**SMITH & HEMENWAY CO. INC.** ("Red Devil," Drop Forged), 261H B'way, New York, 130H Coit, Irvington, N. J.
*See adv index at end of book*
Utica Drop Forge & Tool Co., Utica, N. Y.

## 11169-70-1—Pliers (Piano Makers')

Kraeuter & Co., 583 18th av, Newark, N. J.

## Pliers (Pressed Steel)

**See Pliers & Nippers**

## 11172— Pliers & Nippers

See also Clinchers; also Pliers, Gas

Athol Machine Co. (Combination Pliers, etc), Athol, Mass.
Barcalo Mfg. Co. (Adjustable Combination Pliers), Buffalo, N. Y.
Barnett Oscar Foundry Co. (Combination Pliers, etc), Irvington, N. J.
Bergman Tool Manufacturing Co. (Pliers Only, Combination), Buffalo, N. Y.
Bernz Otto (Cutting, Combination, etc), 17-37 Ashland, Newark, N. J.
Billings & Spencer Co. ("B. & S." Cutting Combination, Gas, Pliers, etc.), Hartford, Conn.
**BONNEY VISE & TOOL WORKS** (Combination Pliers), Allentown, Pa.
*See adv index at end of book*
Bridgeport Hardware Mfg. Corp. ("No. 118 Universal," Side Cutting Pliers, "132" End Cutting Nippers), Bridgeport, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Hdwe. Co., Geneva, Ohio
Cincinnati Tool Co. (Combination Pliers, etc), Norwood, Cincinnati, O.
*See adv index at end of book*
Crescent Tool Co. ("Crescent," "Simplex" Drop Forged Combination Gas Pliers, Wire Cutter & Screw Driver Combined), 200 Harrison, Jamestown, N. Y.
Cronk & Carrier Mfg. Co. (Combination Pliers), 150 Lake, Elmira, N. Y.
*See adv index at end of book*


No. 294 Cronk Slip Joint Plier

The Cronk & Carrier Mfg. Co.
150 Lake Street Elmira, N. Y.


Cushman Auto Tool Co. (Combination Pliers), Champaign, Ill.
Danielson J. P. & Co. (Side Cuting Combination Pliers Only), Jamestown, N. Y.
Dicke Tool Co. (Combination, Wireman's, etc), Downers Grove, Ill.
Dudley Tool Co., Menominee, Mich.
Erie Tool Works, Erie, Pa.
Forged Products Co. ("Gibraltar") Conway bldg, Chicago, Ill.
Goodell-Pratt Co. (Combination Pliers), Greenfield, Mass.
Grey Iron Casting Co. (Auto & Gas Pliers & Wire Nippers, etc), Mt. Joy, Pa.
Herbrand Co. (Combination Pliers, Wire Cutter & Screw Drivers), Fremont, O.
Higganum Hdw. Co. ("Acme"), Higganum, Conn.
Hjorth Wm. & Co. (Also Pocket Pliers, "Hjorth" Bent Nose Pliers and Combination Pliers), Jamestown, N. Y.
Irving Mfg. & Tool Co. ("Button's" Combination Pliers), 157 Chambers, New York
Irvington Mfg. Co. ("Irvington" & "Red Devil"), Irvington, N. J.
**KILBORN & BISHOP CO.** (Forged Combination & Gas Pliers), 194 Chapel, New Haven, Conn.
*See adv index at end of book*
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Kraeuter & Co. (Combination), 583 18th av, Newark, N. J.
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*

PLIERS & NIPPERS—continued

McKaig Hatch, Inc., 1590 Niagara, Buffalo, N. Y.
Mathias Hart Co., 516 Atlantic av, Boston, Mass.
Mechanics Tool Co., Rockford, Ill.
Montgomery & Co., 105 Fulton, New York
Mossberg, Frank Co. ("Diamond," "Sterling" Slip Joint Pliers), Attleboro, Mass.
Neverslip Works, The ("Neverslip" Side Cutting Pliers), New Brunswick, N. J.
Osborne C. S. & Co. (Gas, Saddlers', etc.), Box 183, Newark, N. J.
*See adv index at end of book*
**PECK, STOW & WILCOX CO.** (Round & Flat Nose, "Pexto," etc.), Southington, Conn.
*See adv index at end of book*
Penn Inc., A. C., 100 Lafayette, New York
Porter H. K., Union Bk. bldg, Everett, Mass. *See adv index at end of book*
Robinson M. W. Co. ("Klein" Pattern), 296 B'way, New York
Rubber Insulator Metals Corp. ("Rimco"), Plainfield, N. J.
S. & I. Co. ("Never Break," Nickel or Black Finish Pliers), Springfield, Mass.
Sayre L. A. Co. ("Hercules," "Champion" Fence Pliers), 332 Mulberry, Newark, N. J.
Schollhorn Wm. Co. ("Bernard's," "Paragon," Pliers & Nippers Combined), New Haven, Conn.
Schuckhardt & Schutte, ("Lindstrom" S. & S.), 90 West, New York
Smith H. D. & Co. ("Enchased Joint," Slotcutting Pliers), Plantsville, Conn.
Smith Otis A. (Side Cutting), Rockfall, Conn.
**SMITH & HEMENWAY CO., INC.** ("Red Devil," Drop Forged), 261H B'way, New York, 130H Coit, Irvington, N. J.
*See adv index at end of book*

**"Red Devil" Pliers**

comprise a complete line for Linemen, Electricians and all mechanics. Made of highest grade drop-forged steel and unconditionally guaranteed.

**Smith & Hemenway Co., Inc.**

**N. Y. Sales and Export Office:**
**261H Broadway, New York City**
**Main Office and Factory:**
**130H Coit Street, Irvington, N. J.**
*Manufacturers of "Red Devil" Glass Cutters, Bits, Hack Saws, Snips, Screwdrivers, etc.*
*Send for Tool Booklet*


Standard Shoe Machinery Co., Lawrence, Mass.
Syracuse Twist Drill Co. ("Hero" & "Syracuse" Combination), Borden av, Syracuse, N. Y.
Thomson Drop Forge Co. (Combination Pliers, etc), Plantsville, Conn.
U. S. Lock & Hardware Co. (Adjustable). Columbia, Pa.
Utica Drop Forge & Tool Co. (Cutting, etc), Utica, N. Y.
Vom Cleff & Co., 105 Duane, New York
Vlchek Tool Co. ("Vlchek"), 8701 Mt. Auburn av, Cleveland, O.
Walworth Mfg. Co. (Gas, etc), Boston, Mass.
Williams A. C. Co., Ravenna, O.
Winchester Repeating Arms Co. ("Winchester"), New Haven Conn.
Wrightsville Hardware Co. (Gas & Nose Pliers), Wrightsville, Pa.

## 11172a— Plodders (Soap)

Houchin Aiken Co., 113 53rd, B'klyn, N. Y.
Sowers Mfg. Co., 1320 Niagara, Buffalo, N. Y.

## 11173— Plow Beams (Steel)

Buffalo Steel Co. (Bessemer), Tonawanda, N. Y.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Harriman Mfg. Co., Harriman, Tenn.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
Shunk Plow Co., Bucyrus, O.

## 11174—Plow Beams (Wood)

Galloway Kennedy Co., Clarendon, Ark.
Peckinpaugh, Harrison & Co., Alton, Ind.

## 11175— Plow Coulters

Avery B. F. & Sons ("Moon" Knife & Rolling), Louisville, Ky.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Brinly Hardy Co. (Rolling), Louisville, Ky.
Cambria Steel Co., Widener bldg, Phila., Pa.
Case J. I. Plow Works, Racine, Wis.
Clayton John Plow Co. ("Universal"), Minneapolis, Minn.
Collins Plow Co., Quincy, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Gale Mfg. Co. ("Gale"), Albion, Mich.
Galesburg Coulter Disc Co. ("Sandoval," "Gaylord"), Galesburg, Ill.
Hartman Mfg Co. ("Acme" Jr., "Acme Improved" & Sr.), Vincennes, Ind.
Hench & Dromgold Co., York, Pa.
Herschel R. Mfg. Co., Peoria, Ill.
La Crosse Plow Co. ("La Crosse," "Jointer"), La Crosse, Wis.
Mason F. C. & Co., St. Johns, Mich.
Moline Plow Co. ("New Universal" Roller), Moline, Ill.
Moore, C. H. Toledo, O.
Noll Bros., 849 Allis, Milwaukee, Wis.
Ohio Cultivator Co. ("Bissell," "Ohio"), Bellevue, O.
Oliver Chilled Plow Works, South Bend, Ind.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Rock Island Plow Co. ("Universal," "Rock Island"), Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Sparta Plow Works ("Crothers," "Adjustable"), Sparta, Ill.
Star Coulter Co. ("Star"), Canton, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson Plow & Engine Works, Beloit, Wis.
Weyburn Co. ("Ideal" Rolling), Rockford, Ill.
Wills Mfg. Co., Mendota, Ill.

## 11176— Plow Jointers

Noll Bros., 849 Allis, Milwaukee, Wis.
Oliver Chilled Plow Works, South Bend, Ind.

## 11177— Plow Mfrs.

Adams S. & Son, Rome, N. Y.
Allen Chas. G. Co., Barre, Mass.
American Road Machinery Co., Kennett Sq., Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Arnold's G. W. Son, Ionia, Mich.
Aughe Plow Co., Dayton, O.
Avery B. F. & Sons (Chilled Steel), Louisville, Ky.
Babcock Mfg. Co., Leonardsville, N. Y.
Bailey E. M. & Son, Leraysville, Pa.
Barnes Mfg. Co., Lanesboro, Pa.
Becholt Geo. E., Urbana, O.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Billups C. Son & Co. "Champion," "Climax," "New Era"), Norfolk, Va.
Blount Plow Works, Evansville, Ind.
Bostick Stove Co., Lapeer, Mich.
Bradley P. & Sons, Harrisonburg, Va.
Brillion Iron Works, Brillion, Wis.
Brinly Hardy Co. (Hand Welded Steel Point), Louisville, Ky.
Bronson Wm. & Hy. ("Roxbury," "Southbury" Walking), Roxbury, Conn.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co., Zanesville, O.
Bryan Plow Co., Bryan, O.
Bucher & Gibbs Plow Co. ("Imperial" Chilled Steel Combination), Canton, O.
Burch Plow Works Co. (Wood Beam Steel Road), Crestline, O.
Call-Watt Co. ("Watt"), Richmond, Va.
Case J. I. Plow Works, Racine, Wis.
Caward R. S., Cresco, Iowa
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Chattanooga Plow Co. ("Chattanooga" Chilled), Chattanooga, Tenn.
Clore Wm. H. Mfg. Co. ("Star"), Washington, Ind.
Collins Co. (Gang & Wheel Walking), Collinsville, Conn.
Collins Plow Co., (Walking or Riding), Quincy, Ill.
Columbia Plow Works (Chilled), Copake Falls, N. Y.
Cutaway Harrow Co., Higganum, Conn.
Deere & Co., Moline, Ill.
Disc Grader and Plow Co., 400 N E Pierce, Minneapolis, Minn.
Donaldson Bros. (Steel & Wood Rim), Mount Clemens, Mich.
Dutton E. Q. & Co. (Walking), Cato, N. Y.
Eddy W Plow Co, Greenwich, N Y.
Emerson-Brantingham Co. ("E.-B."), Rockford, Ill.
Empire Plow Co. (Middleburster & Planter Bottom), 3140 E 65th, Cleveland, O.
Evans B. A., Hammond, N. Y.
Fair Geo. & Son, Blaine, Mich.
Fairfield Plow Works, North Fairfield, O.
Fonda F. A., East Galway, N. Y.
Fresno Agricultural Works, Fresno, Cal.
Gale Mfg. Co. (3-Wheel Sulky, 3-Wheel Gang, Riding, & One, Two & Three-Horse Walking), Albion, Mich.
Gantt Mfg. Co., Macon, Ga.
Glasow Fred, Fond Du Lac, Wis.
Godfrey H. M. (Walking), Jonesburg, Mo.
Good Roads Machinery Co., Kenneth sq, Pa.
Gowanda Agricultural Works (Steel), Gowanda, N. Y.
Grand Detour Plow Co. (Listing), Dixon, Ill.
Greenville Implement Co., Greenville, Mich.
Hall Jas. H. Plow Co., Maysville, Ky.
Hamachek Frank, Kewaunee, Wis.
Hamburg Plow Works, Hamburg, Pa.
Hapgood Plow Co., Alton, Ill.
Harriman Mfg. Co., Harriman, Tenn.
Hartig W. F. Plow Co., Evansville, Ind.
Hunter Chas. E., Farmers' Friend Plow Works, Fredericksburg, Va.
Hussey Plow Co., N. Berwick, Me.
Janesville Machine Co., Janesville, Wis.
Kaster P. M., Rimersburg, Pa.
Kelly G. A. Plow Co., Longview, Tex.
Kennehan P. E. Son & Co. Brasher, Fonda, N. Y.
Kerns T. A., Sutherlin, Va.
Keystone Machine Co., York, Pa.
La Crosse Plow Co., La Crosse, Wis.
Leader Plow Co., Staunton, Va.
Lehr Agricultural Co., Fremont, O.
Leroy Plow Co., Leroy, N. Y.
Logan Foundry & Machine Co., Logan, O.
Lynchburg Foundry Co. (Chilled Walking), Lynchburg, Va.
Lyon Iron Works, Greene, N. Y.
Madison Plow Co., Madison, Wis.
May Wm. H. & Son, Alexandria, Va.
Moline Plow Co., Moline, Ill.
Monmouth Plow Factory, Monmouth, Ill.
Moore Plow & Implement Co. (Walking), Greenville, Mich.
Munnsville Plow Co., Munnsville, N. Y.
Murkland John W. Co., Barton, Vt.
Ohio Cultivator Co., Bellevue, O.
Oliver Chilled Plow Works (Chilled & Steel), South Bend, Ind.
Painter & Frankland, Albion, Ill.
Parlin & Orendorff Co. ("P. & O. Canton"), Canton, O.
Pattee Plow Co., Monmouth, Ill.
Peek's S. H. Sons (Steel), East Aurora, N. Y.
Peppler Thos. Son & Co. ("Riggs" Improved), Hightstown, N. J.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co., Springfield, Ill.
Ripson Wm. & Son, Youngstown, N. Y.
Rockford Mfg. Co., Rockford, Ill.
Rock Island Plow Co. (Chilled & Steel), Rock Island, Ill.
Rowell I. B. Co. (Riding or Walking), Waukesha, Wis.
Rubottom Plow Factory, Felton, Cal.
Sanders, Newell Plow Co., Chattanooga, Tenn.
Sargent, Osgood & Roundy Co., Randolph, Vt.
Shaw H. C. Co., Stockton, Cal.
Shunk Plow Co., Bucyrus, O.
Smalley Mfg. Co., Manitowoc, Wis.
Smith & Sons Mfg. Co., Kansas City, Mo.
South Bend Chilled Plow Co. (Chilled), South Bend, Ind.

Southern Plow Co. (New Ground), Columbus, Ga.
Southern Plow Co., Dallas, Tex.
Spalding-Robbins Disc Plow Co., 625 Market, San Francisco, Cal.
Sparta Plow Works, Sparta, Ill.
Spinner Ed. F., Ava, Ill.
Starke's Dixie Plow Works, Richmond, Va.
Stoughton Wagon Co., Stoughton, Wis.
Stroker Fritz C. & Son, Olney Mo.
Stroud & Co., Omaha, Neb.
Sturgis W. B. & Sons, Shelbyville, Ill.
Swanson Plow Co., Muskogee, Okla.
Swanson-St. Joseph Plow Co., St. Joseph, Mo.
Swinton & Co., Port Jervis, N. Y.
Syracuse Chilled Plow Co. (Chilled), Syracuse, N. Y.
Texas Disc Plow Co., Dallas, Tex.
Thornburgh Mfg. Co., Bowling Green, O.
Towers & Sullivan Mfg. Co., Rome, Ga.
Vulcan Plow Co. (Chilled & Steel), Evansville, Ind.
Watt Plow Co., Richmond, Va.
Wayne Agricultural Works, Goldsboro, N. C.
Western Wheeled Scraper Co., Aurora, Ill.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
White's S. R. Sons, Norfolk, Va.
Wiard Plow Co. (Chilled & Steel) Batavia, N. Y.
Wilder-Strong Implement Co, Monroe, Mich.
**YUBA MFG. CO.**, Marysville, Cal., & 433 California, San Francisco, Cal.

## 11177a— Plow Stocks

Atlanta Plow Co., Atlanta, Ga.
Avery B. F. & Sons, Louisville, Ky.
Brinly-Hardy Co., Louisville, Ky.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co., Zanesville, O.
Emerson-Brantingham Co., Rockford, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Farquhar A. B. Co. (Ltd.), York, Pa.
Gantt Mfg. Co., Macon, Ga.
Harriman Mfg. Co., Harriman, Tenn.
Kelly G. A. Plow Co. (Wood & Steel), Longview, Tex.
Ohio Cultivator Co., Bellevue, O.
Parlin & Orendorff Co., Canton, Ill.
Rock Island Plow Co., Rock Island, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Plow Co. (Wood & Steel Beam), Columbus, Ga.
Swanson Plow Co., Muskogee, Okla.
Towers & Sullivan Mfg. Co., Rome, Ga.
White's, S. R. Sons ("Georgia Ratchet," "Bent Foot"), Norfolk, Va.

## 11178— Plows (Asparagus)

Wyckoff Bros., Hightstown, N. J.

## 11179—Plows (Auto or Motor)

Boenker H. H. Motor Plow Co., St. Charles, Mo.
Denning Tractor Co., Cedar Rapids, Ia.
Hackney Mfg. Co., St. Paul, Minn.

## Plows (Ballast)

See Ballast Loaders & Unloaders

## 11180— Plows (Beet)

Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Oliver Chilled Plow Works, South Bend, Ind.

## 11181— Plows (Breaking)

American Road Machinery Co., Kennett Square, Pa.
Avery B. F. & Sons, Louisville, Ky.
Brinly Hardy Co., Louisville, Ky.
Brown-Manly Plow Co., Malta, O.
Burch Plow Works Co., Crestline, O.
Case J. I. Plow Works (Black & Sand Land, Turf & Stubble, Brush & Prairie Breakers), Racine, Wis.
Chattanooga Plow Co., Chattanooga, Tenn.
Deere & Co., Moline, Ill.
Emerson-Brantingham Co. ("E.B." Walking & Riding Engine), Rockford, Ill.
Gale Mfg. Co., Albion, Mich.
Grand Detour Plow Co., Dixon, Ill.
Hapgood Plow Co., Alton, Ill.
Hench & Dromgold Co., York, Pa.
La Crosse Plow Co., La Crosse, Wis.
Lee Bros., Watertown, S. Dak.
Lehr Agricultural Co., Fremont, O.
Madison Plow Co., Madison, Wis.
Messinger Mfg. Co., Tatamy, Pa.
Moline Plow Co. ("Moline," "Scotch Clipper"), Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("Canton" for Tractor), Canton, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Schuerenberg F. W. (Also Wagons), Brenham, Tex.
Shunk Plow Co. (Steel, Street, etc), Bucyrus, O.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Plow Co. (Steel), Columbus, Ga.
Sparta Plow Works, Sparta, Ill.
Swanson-St. Joseph Plow Co., St. Joseph, Mo.
Vulcan Plow Co., Evansville, Ind.
White's S. R. Sons ("Clipper," "Atlas," "D-Arrow," "White's Chilled" Grub), Norfolk, Va.

## 11182— Plows (Clay)

Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
Stroud & Co., Omaha, Neb.

## 11183— Plows (Contractors')

Acme Road Machinery Co., Frankfort, N. Y.
American Road Machinery Co., Kennett Square, Pa.
American Steel Scraper Co. ("American" Steel Road), Sidney, O.
Ames Plow Co., Quincy Hall, Boston, Mass.
Avery B. F. & Sons, Louisville, Ky.
Blount Plow Works (Railroad), Evansville, Ind.
Brinly Hardy Co., Louisville, Ky.
Bucher & Gibbs Plow Co., Canton, O.
Chattanooga Plow Co., Chattanooga, Tenn.
Collins Plow Co. ("Boss," "Giant," "District," 2 to 12 Horses), Quincy, Ill.
Deere & Co., Moline, Ill.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fresno Agricultural Works, Fresno, Cal.
Good Roads Machinery Co., Kennett Square, Pa.
Gowanda Agricultural Works (Grading), Gowanda, N. Y.
Jeschke Edw. ("Cyclone Jr."), Bellevue, O.
**KILBOURNE & JACOBS MFG. CO.**, Columbus, Ohio.
*See adv index at end of book*
Le Roy Plow Co., Le Roy, N. Y.
Moline Plow Co., Moline, Ill.
Munnsville Plow Co. ("Hercules"), Munnsville, N. Y.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O." Road), Canton, Ill.
Phoenix Mfg. Co., Eau Claire, Wis.
Rock Island Plow Co., Rock Island, Ill.
Russell Grader Mfg. Co. (Road), 2005 Univ. av, S E, Minneapolis, Minn.
Shunk Plow Co., Bucyrus, O.
Sidney Steel Scraper Co. ("Sidney" All Steel Rooter), Sidney, O.
Slusser-McLean Scraper Co. ("Early Bird"), Sidney, O.
Smith & Sons Mfg. Co., Kansas City, Mo.
South Bend Chilled Plow Co., South Bend, Ind.
Stroud & Co. ("Stroud"), Omaha, Neb.
Swanson-St. Joseph Plow Co., St. Joseph, Mo.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thompson Plow & Engine Works, Beloit, Wis.
Vulcan Plow Co. (Road), Evansville, Ind.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wiard Plow Co., Batavia, N. Y.
Woodhouse J. S. Co., 191 Water, New York

## 11184— Plows (Corn)

De Shay D. H. (Arch Top Double), Elysburg, Pa.
La Crosse Plow Co., La Crosse, Wis.
Lean Roderick Mfg. Co. ("Roderick Lean" Riding & Walking), Mansfield, Ohio
Oliver Chilled Plow Works, South Bend, Ind.
Rock Island Plow Co. ("Climax"), Norfolk,

## 11185— Plows (Cotton)

Billups C Son & Co. ("Climax"), Norfolk, Va.
White's S. R. Sons (Inc.) ("Carolina," "Stonewall"), Norfolk, Va.

## 11186—Plows (Disc or Rotary)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Avery B. F. & Sons, Louisville, Ky.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Chattanooga Plow Co., Chattanooga, Tenn.
Cutaway Harrow Co. (Disc Sulky), Higganum, Conn.
Deere John Plow Works, Moline, Ill.
Disc Grader & Plow Co., 400 N E Pierce, Minneapolis, Minn.
Emerson-Brantingham Co. ("E-B") Rockford, Ill.
Grand Detour Plow Co., Dixon, Ill.
La Crosse Plow Co., La Crosse, Wis.
Moline Plow Co. (Rotary), Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Racine-Sattley Co. ("Sattley." "Hancock Jr."), Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Sanders Newell Plow Co. ("Sanders"), Chattanooga, Tenn.
South Bend Chilled Plow Co., South Bend, Ind.
Spalding-Robbins Disc Plow Co., 625 Market, San Francisco, Cal.
Stroud & Co. (For Elevating Graders), Omaha, Neb.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Texas Disc Plow Co., Dallas, Tex.

## Plows (Ditching)

See Plows, Contractors'

## 11187— Plows (Gang)

Avery B. F. & Sons, Louisville, Ky.
Avery Co. ("Avery"), Peoria, Ill.
Bucher & Gibbs Plow Co., Canton, O.
Collins Co., Collinsville, Conn.
Collins Plow Co., Quincy, Ill.
Cutaway Harrow Co. (Disc), Higganum, Conn.
Deere & Co. (Disc), Moline, Ill.
Emerson-Brantingham Co. ("E-B") Orchard & Vineyard, Rockford, Ill.
Gale Mfg. Co. ("Gale"), Albion, Mich.
Grand Detour Plow Co., Dixon, Ill.
Greenville Implement Co. (Walking), Greenville, Mich.
Hapgood Plow Co., Alton, Ill.
Janesville Machine Co., Janesville, Wis.
La Crosse Plow Co., La Crosse, Wis.
Moline Plow Co. ("Little Dutchman" Engine, Moldboard & Disc), Moline, Ill.
Monmouth Plow Factory, Monmouth, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O." Two or Three Furrow, Riding or Walking), Canton, Ind.
Peppler Thomas, Son & Co., Hightstown, N. J.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co. ("Sattley," "Stawana" "Hummer"), Springfield, Ill.
Rockford Mfg. Co. ("Farm Queen," "Rockford"), Rockford, Ill.
Rock Island Plow Co. ("Rock Island"), Rock Island, Ill.
Rowell I. B. Co. (Riding & Walking), Waukesha, Wis.
Shaw H. C. Co., Stockton, Cal.
South Bend Chilled Plow Co. ("Casady," High Lift Tractor Plows, "New South Bend," "Captor" Horse & Power), South Bend, Ind.
Spalding Tilling Machine Co. ("Spalding," Deep Tilling), Cleveland, O.
Sparta Plow Works, Sparta, Ill.
Stroud & Co., Omaha, Neb.
Swanson Plow Co., Muskogee, Okla.

PLOWS (GANG)—continued

Syracuse Chilled Plow Co., Syracuse, N. Y.
Wilder-Strong Implement Co., Monroe, Mich.

## Plows (Gang, Steam)

See Plows, Gang, Traction Engine

## 11188—Plows (Gang, Traction Engine)

Avery Co. ("Avery"), Peoria, Ill.
Case J. I. Threshing Machine Co. ("Case"), Racine, Wis.
Deere & Co., Moline, Ill.
Emerson-Brantingham Co. ("E.-B." Disc & Mold Board, Plain & Power Lift), Rockford, Ill.
La Crosse Plow Co., La Crosse, Wis.
Moline Plow Co. ("Flying Dutchman"), Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O." Mold & Disc Styles), Canton, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Reschke Machine Works, Wichita, Kans.
Rumely Leo Tractor Co. ("Rumely"), La Porte, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.

## 11189—Plows (Gang, Wheel)

Avery B. F. & Sons, Louisville, Ky.
Bucher & Gibbs Plow Co., Canton, O.
Case J. I. Plow Works ("New Foot Lift" Medium & Heavy Duty Power Lift for Tractors), Racine, Wis.
Deere & Co., Moline, Ill.
Donaldson Bros., Mt. Clemens, Mich.
Hapgood Plow Co., Alton, Ill.
Janesville Machine Co., Janesville, Wis.
La Crosse Plow Co., La Crosse, Wis.
Moline Plow Co. ("Best Ever" & "Good Enough"), Moline, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O. Canton," "Success," "Diamond," Vineyards), Canton, Ill.
Racine-Sattley Co., Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Rowell I. B. Co., Waukesha, Wis.
Shaw H. C. Co. ("Stockton Reversible"), Stockton, Cal.
South Bend Chilled Plow Co. ("Captor," "New South Bend," "Casaday" Horse & Power), South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

## 11190-1-2—Plows (Garden)

Akron Cultivator Co., Akron, O.
Alexander Mfg. Co., Ames, Ia.
Allen S. L. & Co., 5th & Glenwood, Phila., Pa.
American Fork & Hoe Co., Swetland bldg, Cleveland, Ohio
Ames Plow Co., Quincy Hall, Boston, Mass.
Avery B. F. & Sons, Louisville, Ky.
Bacon Mfg. Co., Pontiac, Mich.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Bridgewater Plow Corp. ("Superior"), Bridgewater, Va.
Brinly Hardy Co., Louisville, Ky.
Brown Mfg. Co., Zanesville, O.
Burch Plow Works Co., Crestline, O.
Case J. I. Plow Works, Racine, Wis.
Crescent Forge & Shovel Co. (Wheel), Havana, Ill.
Deere & Co., Moline, Ill.
Dutton E. Q. & Co., Cato, N. Y.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Gale Mfg. Co., Albion, Mich.
Greenville Implement Co., Greenville, Mich.
Harriman Mfg. Co., Harriman, Tenn.
Henry & Allen (Cultivators), Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Hobson & Co., Easton, Pa.
Leader Plow Co., Staunton, Va.
Lean Roderick Mfg Co. ("Roderick Lean"), Mansfield, O.
Madison Plow Co., Madison, Wis.
Moore Plow & Implement Co., Greenville, Mich.
National Drill Co., Cambridge City, Ind.
Norcross C. S. & Sons, Bushnell, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Southern Plow Co., Columbus, Ga.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Thornburgh Mfg. Co. ("Climax"), Bowling Green, O.
Towers & Sullivan Mfg. Co. ("Jewel," Safety"), Rome, Ga.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wiard Plow Co., Batavia, N. Y.

## 11193— Plows (Grooving)

Sandusky Tool Co. (Panel Plows, Plow Arms, etc), Sandusky, O.

## 11194— Plows (Hop)

Adams S. & Son, Rome, N. Y.
Dutton E. Q. & Co., Cato, N. Y.
Gale Mfg. Co., Albion, Mich.
Gowanda Agricultural Works, Gowanda, N. Y.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

## 11195— Plows (Ice)

Ames Plow Co., Quincy Hall, Boston, Mass.
Bodenstein J. G. & Co., Staatsburg, N. Y.
Dernell H. F. Co., Athens, N. Y.
Dorsch Jno. & Sons, 209 Wells, Milwaukee, Wis.
Gifford-Wood Co., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Pray W. H. Clove, N. Y.
Woodhouse J. S. Co., 191 Water, New York

## 11196— Plows (Locomotive)

Western Wheeled Scraper Co., Aurora, Ill.

## 11197— Plows (Potato)

Brinly Hardy Co., Louisville, Ky.
Deere & Co., Moline, Ill.
Gale Mfg. Co., Albion, Mich.
Hartig W. F. Plow Co., Evansville, Ind.
La Crosse Plow Co., La Crosse, Wis.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O. No. 3"), Canton, Ill.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.

## Plows (Road)

See Plows, Contractors'

## 11198— Plows (Shovel)

Akron Cultivator Co., Akron, O.
Avery B. F. & Sons (With Jumping Coulters), Louisville, Ky.
Belcher & Taylor Agrl. Tool Co., Chicopee Falls, Mass.
Blount Plow Works, Evansville, Ind.
Brinly Hardy Co., Louisville, Ky.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Brown-Manly Plow Co., Malta, O.
Brown Mfg. Co., Zanesville, O.
Bucher & Gibbs Plow Co., Canton, O.
Burch Plow Works, Crestline, O.
Chattanooga Plow Co., Chattanooga, Tenn.
Davidson-Dietrich Plow Co., Evansville, Ind.
Donaldson Bros., Mount Clemens, Mich.
Dutton E. Q. & Co., Cato, N. Y.
Eddy W. Plow Co., Greenwich, N Y.
Emerson - Brantingham Co. ("E. - B." Double Shovel), Rockford, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Eureka Mower Co., 16 Hickory, Utica, N. Y.
Everts Mfg. Co. Meridian, N. Y.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fetzer & Co. ("Fetzer," "McSherry"), Springfield, Ill.
Gale Mfg. Co. ("New Era," "Gale," Single & Double Shovel, also Wing Shovel), Albion, Mich.
Gowanda Agricultural Works, Gowanda, N. Y.
Grand Detour Plow Co., Dixon, Ill.
Greenville Implement Co., Greenville, Mich.
Hartig W. F. Plow Co., Evansville, Ind.
Hench & Dromgold Co. (Inc.), York, Pa.
Keystone Machine Co., York, Pa.
La Crosse Plow Co. La Crosse, Wis.
Lean Roderick Mfg. Co. ("Roderick Lean") Mansfield, O.
Lehr Agricultural Co., Fremont, O.
Le Roy Plow Co., Le Roy, N. Y.
Moline Plow Co. (Single & Double), Moline, Ill.
Moore Plow & Implement Co., Greenville, Mich.
Munnsville Plow Co. (One, Two, Three & Five Shovel), Munnsville, N. Y.
Ohio Cultivator Co., Bellevue, O.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O." Single & Double), Canton, Ill.
Peek's S. H. Sons, East Aurora, N. Y.
Rock Island Plow Co. (Single & Double), Rock Island, Ill.
Sargent, Osgood & Roundy Co., Randolph, Vt.
Shunk Plow Co., Bucyrus, O.
South Bend Chilled Plow Co. South Bend, Ind.
Southern Plow Co., Columbus, Ga.
Sparta Plow Works, Sparta, Ill.
Swanson-St. Joseph Plow Co. St. Joseph, Mo.
Syracuse Chilled Plow Co. (Blades & Wings of Steel), Syracuse, N. Y.
Vulcan Plow Co., Evansville Ind.
Woodhouse J. S. Co., 191 Water, New York

## 11199— Plows (Snow)

See also Snow Brooms & Sweepers, Street Railway; also Street Railway Sweeping Machines

American Locomotive Co. ("Rotary"), 30 Church, New York
Baker Mfg. Co. ("20th Century" Steel, Auto Truck), 1000 Stanford av., Springfield, Ill.
Bloomsburg Car Mfg. Co., Bloomsburg, Pa.
Bradley Osgood Car Co., Worcester, Mass.
Brill J. G. Co. (Electric Ry.), 62d & Woodland av, Phila., Pa.

SIDE WALK SNOW PLOWS
DYAR SUPPLY CO.

Cambridge, Mass.
*See adv index at end of book*

Grothe John J. (Electric Ry.), Woburn, Mass.
Kalamazoo Railway Supply Co. ("Root" Scraper), Kalamazoo, Mich.
McGuire-Cummings Mfg. Co. (Street Railways), Harris Trust & Savings bldg, Chicago, Ill.
Q. & C. Co., 90 West, New York.
Russell Car & Snow Plow Co., Ridgway, Pa.
Russell Grader Mfg. Co. ("Russell" all Steel Sidewalk), 2005 Univ. av S E, Minneapolis, Minn.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Stroud & Co. (Street or Sidewalk), Omaha, Neb.
Toy W. M. Co., 10 E Selby, Sidney, O.
Woodhouse J. S. Co. (Sidewalk), 191 Water, New York

## 11200— Plows (Sub-Soil)

Ames Plow Co., Quincy Hall, Boston, Mass.
Avery B. F. & Sons, Louisville, Ky.
Blount Plow Works, Evansville, Ind.
Brinly Hardy Co., Louisville, Ky.
Bucher & Gibbs Plow Co., Canton, O.
Chattanooga Plow Co., Chattanooga, Tenn.
Deere & Co., Moline, Ill.
Grand Detour Plow Co., Dixon, Ill.
Hall Jas. H. Plow Co., Maysville, Ky.
Madison Plow Co., Madison, Wis.
Moline Plow Co. (Walking), Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
South Bend Chilled Plow Co., South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

## 11201—Plows (Sulky, Reversible)

Belcher & Taylor Agrl. Tool Co., Chicopee Falls, Mass.
Chattanooga Plow Co., Chattanooga, Tenn.
Cutaway Harrow Co. (Disc), Higganum, Conn.
Deere & Co., Moline, Ill.
Eddy W. Plow Co., Greenwich, N. Y.
Le Roy Plow Co., Le Roy, N. Y.
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Co. ("Sattley"), Springfield, Ill.
Sargent, Osgood & Roundy Co., Randolph, Vt.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Wiard Plow Co., Batavia, N. Y.

## 11202—Plows (Sulky, Riding or Wheel)

Avery B. F. & Sons (Sulky, etc), Louisville, Ky.
Belcher & Taylor Agricultural Tool Co., Reversible Sulky), Chicopee Falls, Mass.
Blount Plow Works (Sulky), Evansville, Ind.
Brinly Hardy Co., Louisville, Ky.
Bryan Plow Co., Bryan, O.
Bucher & Gibbs Plow Co., Canton, O.
Case J. I. Plow Works, (New Foot Lift "Harmer Boy," "Leader," "Two Way"), Racine, Wis.
Chattanooga Plow Co., Chattanooga, Tenn.
Collins Plow Co., Quincy, Ill.
Deere John Plow Works, Moline, Ill.
Eddy W. Plow Co., Greenwich, N. Y.
Emerson - Brantingham Co. ("E. - B.") Rockford, Ill.
Gale Mfg. Co, Albion, Mich
Grand-Detour Plow Co., Dixon, Ill.
Hapgood Plow Co., Alton, Ill.
Hench & Dromgold Co. (Inc.), York, Pa.
Janesville Machine Co., Janesville, Wis.
La Crosse Plow Co., La Crosse, Wis.
Le Roy Plow Co., Le Roy, N. Y.
Luthy & Co., Peoria, Ill.
Madison Plow Co. ("New Eclipse"), Madison, Wis.
Moline Plow Co. ("Best Ever," "Good Enough"), Moline, Ill.
Monmouth Plow Factory, Monmouth, Ill.
Ohio Cultivator Co., Bellevue, O.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O. Canton," "Success," "Diamond"), Canton, Ill.
Peru Plow & Wheel Co., Peru, Ill.
Racine-Sattley Co. ("Sattley," "Hummer," "Royal," "New Way"), Springfield, Ill.
Rockford Mfg. Co. ("Farm King," "Rockford," "Rockford, Jr," "Rockford King"), Rockford, Ill.
Rock Island Plow Co. ("Rock Island"), Rock Island, Ill.
Rowell I. B. Co., Waukesha, Wis.
South Bend Chilled Plow Co. ("Pilot," "Casady" Foot Lift), South Bend, Ind.
Sparta Plow Works, Sparta, Ill.
Swanson-St. Joseph Plow Co., St. Joseph, Mo.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Vulcan Plow Co. (Sulky), Evansville, Ind.
Wiard Plow Co., Batavia, N. Y.

## 11203—Plows (Sulky, Right & Left Hand)

Parlin & Orendorff Co. ("P. & O. Success," Two Wagon, on One Frame), Canton, Ill.

## 11204—Plows (Swivel Reversible & Hillside)

Ames Plow Co. (Swivel and Hillside), Quincy Hall, Bostoon, Mass.
Avery B. F. & Sons, Louisville, Ky.
Belcher & Taylor Agrl. Tool Co., Chicopee Falls, Mass.
Brinly Hardy Co. (Hillside), Louisville, Ky.
Bucher & Gibbs Plow Co. (Hillside & Reversible), Canton, O.
Columbia Plow Works, Copake Falls, N. Y.
Eddy W. Plow Co. (Hillside & Swivel), Greenwich, N. Y.
Emerson-Brantingham Co. ("E-B" Hillside), Rockford, Ill.
Gowanda Agricultural Works, Gowanda, N. Y.
Hall I. H. Plow Co. (Hillside), Maysville, Ky.
Hench & Dromgold Co. (Inc.) (Hillside), York, Pa.
Leroy Plow Co. (Hillside & Flatland), Leroy, N. Y.
Moline Plow Co. ("Moline Two Way"), Moline, Ill.
Munnsville Plow Co., Munnsville, N. Y.
Oliver Chilled Plow Works, South Bend, Ind.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
South Bend Chilled Plow Co. (Reversible, Hillside, etc), South Bend, Ind.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Vulcan Plow Co. (Hillside), Evansville, Ind.
Wiard Plow Co. (Hillside), Batavia, N. Y.

## 11205— Plows (Traction)

Deere John Plow Works, Moline, Ill.
Empire Plow Co., 3140 E 65th, Cleveland, Ohio
Grand Detour Plow Co., Dixon, Ill.
Lawtor Tractor Co., St. Marys, O.
Oliver Chilled Plow Works (Disc & Mouldboard), South Bend, Ind.
Ward Tractor Co., Lincoln, Neb.

## Plows (Unloading)

See Ballast, Loaders & Unloaders

## 11206—Plows (Wheel Walking)

Collins Co., Collinsville, Conn.
Deere John Plow Works, Moline, Ill.
Emerson-Brantingham Co. ("E-B"), Rockford, Ill.
Hench & Dromgold Co. (Inc.), York, Pa.
Madison Plow Co., Madison, Wis.
Messinger Mfg. Co., Tatamy, Pa.
Parlin & Orendorff Co. ("P. & O." Black Land, "Blue Jay" Brush Breaker, Combination One-Horse Corn, Ditching, Grading, Hillside; "Iowa" Middle Breakers, Sandy Land, New Ground, Prairie Breakers, Rod Breakers, Root Ground, Scotch, Clipper, Southern Stubbie, "Sunset Special" Vineyard Timber), Canton, Ill.
Racine-Sattley Co. ("Wonder"), Springfield, Ill.
Rock Island Plow Co., Rock Island, Ill.
Syracuse Chilled Plow Co. (Chilled), Syracuse, N. Y.
Wake Forest Fdry. Co., Wake Forest, N. C.
Wayne Agricultural Works, Goldsboro, N. C.

## 11206a— Plugs (Acid)

Duriron Casting Co., Dayton, O.
General Ceramic Co., 50 Church, New York
Knight-Maurice A, Akron, O.

## 11207-8—Plugs (Attachment)

See also Plugs, Ordinary Attachment

**BENJAMIN ELECTRIC MFG. CO.** (With Rotary Sleeve, etc.), 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Best Electric Co., 51st & Harrison, Pittsburgh, Pa.
Bryant Electric Co., Bridgeport, Conn.
Bussman Mfg. Co., 3819 N 23d, St. Louis, Mo.
Freeman E. H. Electric Co., Trenton, N. J.
Hart & Hegaman Mfg. Co., 342 Capitol av, Hartford, Conn.
Hubbell, Harvey, Inc., Bridgeport, Conn.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Pass & Seymour ("P. & S."), Solvay, N. Y.

## 11209—Plugs (Bath & Basin)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Bunnel W. H., 178 Centre, New York
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Crescent Mfg. Co., Scottdale, Pa.
Detroit Sanitary Supply Co., 1191 2nd, Detroit, Mich.
Exeter Brass Works, Exeter, N. H.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Frost Mfg. Co., Kenosha, Wis.
Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.
*See adv index at end of book*
Hall Mfg. Co., Harrison, N. J.
Haydenville Co., Haydenville, Mass.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Homer Brass Works, 231 Race, Phila., Pa.
Jenkins Mfg. Co. ("Rex"), Bloomfield, N. J.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Murdock Mfg. & Supply Co., 426 Plum, Cincinnati, O.
Murphy Specialty Co., 90 2d, Milwaukee, Wis.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peck Bros. & Co., New Haven, Conn.
Perkes, Chas. (Est. of), 627 Arch, Phila., Pa.
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Schacht Rubber Mfg. Co. ("Daisy" Rubber), Huntington, Ind.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
Sterling & Skinner Mfg. Co., 2672 E Gd. blvd, Detroit, Mich.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
Union Metal Works, Chelsea, Mass.
Weir & Craig Mfg. Co. ("W. & C. Mfg. Co."), 6316 Wentworth av, Chicago, Ill.
Wise J. B. Inc., Watertown, N. Y.
Wolff Mfg. Co., 255 N Hoyne av Chicago, Ill.

## 11210-1— Plugs (Boiler Flue)

Betterman, Reinhold, Johnstown, Pa.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Buckeye Iron & Brass Works, Dayton, O.
Webb Elisha & Son Co. ("Handy"), 136 S Front, Phila., Pa.

## 11212— Plugs (Brass)

American Brass & Copper Co. (Basin Wash Tray, etc), 138 Lafayette, New York
American Injector Co., 173 14th av, Detroit, Mich.
Belfield H. Co., 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Exeter Brass Works, Exeter, N. H.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Imperial Brass Mfg. Co. (Cylinder, for Automobile & Motor Boat), 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kokomo Brass Works (Brass Cleanout), Kokomo, Ind.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Muller H. Mfg. Co. (Cleanout), Decatur, Ill.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Richardson Edro Brass Co., 318 N Holliday, Baltimore, Md.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Sterling & Skinner Mfg. Co., 2672 E Gd. blvd, Detroit, Mich.
Trenton Brass & Machine Co. ("Trenton" Wash Tray), Trenton, N. J.
Walworth Mfg. Co., Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.
Wolverine Brass Works, Grand Rapids, Mich.

## 11212a— *Plugs (Brush)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 11212b—Plugs (Carriage Body)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 11213— Plugs (Cast Iron)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Crane Co. (Est. 1855), 836 S Michigan, Chicago, Ill.
*For branch offices see Alphabetical Section*
Erie Metal Products Co., Erie, Pa.
General Fire Extinguisher Co., Providence, R. I.
McNab & Harlin Mfg. Co., 55 John, New York
Newbury Mfg. Co., Monroe, N. Y.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
T. & W. Universal Plug Co. ("T. & W. Universal"), 9 S Clinton, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.

## 11214—Plugs (Conduit Sealing)

American Wood Working Co., 4365 Wabansia av, Chicago, Ill.
Austin M. B. & Co. (Wood), 706 Jackson blvd, Chicago, Ill.
Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Fralick & Co. S. R., 15 S. Clinton, Chicago, Ill.
Phila. Electrical & Mfg. Co. ("Phila."), 1236 N 31st, Phila., Pa.
Stiles & Co., H. A. (Wood), 97 Oliver, Boston, Mass.
*See adv index at end of book*
Thomas & Betts, 63 Vesey, New York
Trumbull Elec. Mfg. Co., Woodford av, Plainville, Conn.
Walker Bros. & Haviland, 1532 Sansom, New York
Wolf J. C. (Wood), Westville, N. J.

## 11214a— Plugs (Deck)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## Plugs (Cooperage)

See Plugs, Wood

## 11215— Plugs (Drift)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Buffum Tool Co. ("Swastika," Plumbers' Wooden), South Side, Louisiana, Mo.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stossel Carl Sons & Co., Front Royal, Va.

## 11216— *Plugs (Edi-Swan)

**MORSE FRANK W.** ("Morse" S. C. & D. C.), 289 Congress, Boston, Mass.
*See adv index at end of book*

## 11216a—Plugs (Fireworks)

**BOGERT & HOPPER INC.**, 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Plugs (Electric Attachment)

**See Plugs Attachment**

## 11217—Plugs (Flush & Receptacle)

Adam Frank Electric Co., 904-14 Pine, St. Louis, Mo
**ARROW ELECTRIC CO.** ("Midget," "Standard," "Combination"), Hartford, Conn.
Benjamin Elec. Mfg. Co., 120-128 S Sangamon, Chicago, Ill.
Bryant Electric Co. ("Chapman," "Wonder"), Bridgeport, Conn.
Central Elec. Co., 320 S 5th av, Chicago, Ill.
Chelton Elec. Co., Stenton & Rockland Phila., Pa.
Clancy J. R., Syracuse, N. Y.
Conduit Elec'l Mfg. Co., 1st & L, Boston Mass.
Crouse-Hinds Co., Syracuse, N. Y.
Cutter Electrical & Mfg. Co., 19th & Hamilton, Phila., Pa.
Dale Lighting Fixture Co., 107 W 13th New York
General Elec. Co., Schenectady, N. Y.
Gleason J. L. & Co., 241 Franklin, Boston, Mass.
**HART MFG. CO.** ("Diamond H"), 280 Hamilton, Hartford, Conn.
*See adv index at end of book*
Hart & Hegeman Mfg. Co. ("H. & H."), Hartford, Conn.
Hatzell & Buehler ("H. & B."), 373 4th av, New York
Hubbell Harvey (Inc.), Bridgeport, Conn.
Irish W. F. Electric Supplies ("Shamrock," Floor), 130 W 32d, New York
Loeffelholz Co. ("Gibbs," for Cars), Milwaukee, Wis.
Manhattan Electrical Supply Co. ("Mer co"), 17 Park pl, New York
*See adv index at end of book*
Novelty Electric Co. (Fibre), 50 N 4th Phila., Pa.
Paiste H. T. Co. ("Felding"), 3201 Arch, Phila., Pa.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
Russell & Stoll Co., 17 Vandewater, New York
Steel City Electric Co. ("Campbell" Receptacle), 1207 Columbus av, Pittsburgh, Pa.
Trumbull Electric Mfg. Co., Plainville, Conn.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 11217a— Plugs (Fuse)

Atlas Selling Agency, 450 4th av, New York
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Bussman Mfg. Co., 3819 W 23d. St. Louis, Mo.
Chelten Electric Co., Phila., Pa.
Chicago Fuse Mfg. Co., 1014 W Congress, Chicago, Ill.
Clemens Electrical Corp., 725 Main, Buffalo, N. Y.
D. & W. Fuse Co., Providence, R. I.
Daum A. F. ("Daum"), 1157 Hodgkiss, Pittsburgh, Pa.
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*
Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Moss-Schiery Mfg. Co. Inc., Majestic bldg, Detroit, Mich.
Union Electric Co., Trenton, N. J.

## 11217b—Plugs (Fuse Hole)

Bogert & Hopper Inc. (Hardwood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Lestershire Spool Mfg. Co., Lestershire, N. Y.
Nashua Spool & Bobbin Co. (Maple), Grove Hall Sta., Boston, Mass.
Stevenson Mfg. Co. (Wood, Threaded & Plain), South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 11218— Plugs (Fusible)

American Injector Co., 173 14th av, Detroit, Mich.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Ashcroft Mfg. Co., 119 W 40th, New York
Belknap Mfg. Co., Bridgeport, Conn.
Boston Brass Co. ("Massachusetts Standard" also Short Pattern), 135 Bacon, Waltham, Mass.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co., Bridgeport, Conn.
Crane Co. (Est. 1855), 836 S Michigan, av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Duluth Brass Works, Duluth, Minn.
Exeter Brass Works, Exeter, N. H.
Farnan Brass Works Co., 1105 Center, Cleveland, O.
Fewlass-Leen Brass & Iron Co., 610 E Front, Cincinnati, O.
Garratt, W. T. & Co., 299 Fremont, San Francisco, Cal.
General Fire Extinguisher Co., Providence, R. I.
Glasgow Iron Works & Supply Co. ("Phillips"), 28 West, New York
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Hills-McCanna Co. (Boiler & Marine), 2025 Elston av, Chicago, Ill.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Ingersoll-Rand Co. (Signal), 11 B'way, New York *See adv index at end of book*
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kinsey & Mahler Co., Peoria, Ill.
**LUNKENHEIMER CO.**, Executive Offices & Factories; Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
McRae & Roberts Co., 227 Campbell av, Detroit, Mich. *See adv index at end of book*
**MORE-JONES BRASS & METAL CO.**, B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
National Supply Co., Toledo, O.
Ohio Injector Co., Wadsworth, O.
Perkes Charles (Est. of), 627 Arch, Phila., Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Tranter Mfg. Co., 105 Water, Pittsb'gh, Pa.
Van Duzen E. W. Co., 428 E 2d, Cincinnati, O.
Walworth Mfg. Co. (Fusible Boiler), Boston, Mass.

## 11219—Plugs (Gas & Water Main)

Behringer Edw. A. Inc. (Rubber Service), 98 Park Row, New York
**KEMP C. M. MFG. CO.** ("Climax"), 405 E Oliver, Baltimore, Md.
Norwood Engineering Co. ("Streeter"), Florence, Mass.

## 11220— Plugs (Indicator)

Buckeye Iron & Brass Works, Dayton, O.

## 11221-2—Plugs (Laundry Tray)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Andrews Thos. G. & Co., 30-32 Wendell, Boston, Mass.
Central Brass Mfg. Co., 6206 Cedar av, Cleveland, O.
Dearborn Brass Co., Cedar Rapids, Iowa
Empire Brass Mfg. Co., 10301 Berea rd, Cleveland, O.
Exeter Brass Works, Exeter, N. H.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co., Haydenville, Mass.
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Salem Brass & Iron Mfg. Co., Salem, N. J.
Trenton Brass & Machine Co., Trenton, N. J.
Union Metal Works, Chelsea, Mass.
Wolverine Brass Works, Grand Rapids, Mich.

## 11223— Plugs (Nailing)

Allegheny Steel Band Co., 886 Progress, Pittsburgh, Pa.

## 11224— Plugs (Ordinary Attachment)

Arrow Electric Co. ("Standard"), Hartford, Conn.
Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Bryant Electric Co., Bridgeport, Conn.

Connecticut Electric Mfg. Co., Bridgeport, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Freeman E. H. Electric Co., Trenton, N. J.
Hubbell Harvey (Inc.), Bridgeport, Conn.
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
*See adv index at end of book*
Paiste H. T. Co. ("Pushin"), 3201 Arch, Phila., Pa.
Pass & Seymour, Solvay, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Peru Electric Co., Peru, Ind.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Tregoning Electric Mfg. Co. Cleveland, O.
Trumbull Electric Mfg. Co., Plainville, Conn.
Union Electric Co., Trenton, N. J.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 11225— Plugs (Paper Roll)

See also Plugs, Wood

**BOGERT & HOOPER INC** (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Menasha Woodenware Co. (For Counter Rolls), Menasha, Wis.
Munsing Woodenware Co. (For Counter Rolls), Munsing, Mich.
Nashua Spool & Bobbin Co., Grove Hall Station, Boston, Mass.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 11226— Plugs (Pipe)

Erie Metal Products Co., Erie, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**LUNKENHEIMER CO.**, Excutive Offices & Factories: Beekman & Waverley, Cincinnati, Ohio
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## 11226a—Plugs (Plumbers Sand)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 11227— Plugs (Radiator)

Detroit Screw Works, 348 Franklin, Detroit, Mich.

## 11228—Plugs (Roll Turners')

Tinker P. & Sons Co., 5687 Butler, Pittsburgh, Pa.

## 11229—Plugs (Seamless Tube Rolling)

Pittsburgh Iron & Steel Foundries Co., Midland, Pa.

## 11230—Plugs (Self Flushing Socket)

Phelps Mfg. Co. ("Skedoodle" Flushes Lamp On & Off Automatically), 49 W Larned, Detroit, Mich.

## 11231—Plugs (Smoke Testing)

Austin G. W. & Co., 132 High, Boston, Mass.
Blake Specialty Co., Rock Island, Ill.
Kemp C. M. Mfg. Co. ("Climax"), 405 E Oliver, Baltimore, Md

## 11232—Plugs (Soil Pipe Testing)

Blake Specialty Co., Rock Island, Ill.
Clark Bros. ("Acme"), 1228 Locust, Phila., Pa.
Drummond M. J. & Co., 51 Chambers, N.Y.
Garrison Brass & Machine Wks., 107 W 13th, New York
Glanber M. & Co., 103 Varick, New York
Hessler H E Co. ("Star"), Syracuse, N Y.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.



**KEMP C. M. MFG. CO.** ("Climax"), 405 E Oliver, Baltimore, Md.
Mechanicsville Specialty Supply Co., Mechanicsville, N. Y.
Plugh August T., Hoboken, N. J.
Smith A. P. Mfg. Co., East Orange, N. J.
Walworth Mfg. Co., Boston, Mass.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.
Woodward-Wagner Co., 1106 Spring Garden, Phila., Pa.

## 11233— Plugs (Spark)

Air-Friction Carburetor Co., Dayton, O.
Akar Ignition Co. ("Akar"), 49 W Berkley, Wayne Junction, Phila., Pa.
Auburn Ignition Mfg. Co. ("Electric," "Auburn No. 2" Porcelain, "Cayuga" Mica), Auburn, N. Y.
Automobile Equipment Co. ("L. X. V."), Detroit, Mich.
Automobile Supply Co., 1335 Michigan av, Chicago, Ill.
Axwell Equipment Co. ("Axwell"), 208 Wood, Pittsburgh, Pa.
Batchelder-Gallant Co., 106 Ferdinand, Boston, Mass.
Beckley-Ralston Co., 1801 S Michigan av, Chicago, Ill.
Belvidere Screw & Machine Co., Belvidere, Ill.
Benford Mfg. Co. ("Monarch"), Mount Vernon, N. Y.
Benton L. F. Co., Vergennes, Vt.
Bergie Nat'l Spark Plug Co. ("Bergie National"), 7th & 19th av, Rockford, Ill.
Bosch Magneto Co., 223 W 46th, New York
Bradley C. E. Motor Co., 268 Diamond, Phila, Pa.
Brockett-Gorham Co. ("Bro-Gar"), Marion, Ohio
Brown Co. ("Brown" Quick Detachable), Syracuse, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Byrne Kingston Co. ("Kingston,')' Kokomo, Ind.
Champion Ignition Co. ("A. C."), Flint, Mich.
Champion Spark Plug Co. ("Champion"), Toledo, O.
Czar Ignition Co. ("Czar"), 531 Ellicott, Buffalo, N. Y.
Day Geo. F. ("Day"), 21 Haverhill, Boston, Mass.
Delta Mfg. Co. ("Delta," "B. O. E."), 9 Delancy, Newark, N. J.
Dow Mfg. Co., Braintree, Mass.
Eclipse Mfg. Co. ("Hercules"), 424 Meridian, Indianapolis, Ind.
Eismann Magneto Co., 32 33d, B'klyn, N. Y.
Electrolamp Co. ("Little Gem," "Echo"), Detroit, Mich
Express Spark Plug Co., 1367 Pennsylvania, Washington, D. C.
Fan Flame Spark Plug Co., Yonkers, N. Y.
Faw I. H. Inc. ("Fawsco"), 27 Warren, New York
Fulton Co., 742 75th av, Milwaukee, Wis.
Geer Harry R. Co., 858 McLaren av, St. Louis, Mo.
General Illuminating Co. ("Grant Triple Anchor"), 47 Green, New York.
Gibson-Hollister Mfg. Co., 376 Burnie, Springfield, Mass.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Grossman Emil Mfg. Co. ("Red Head"), 167 41st, Brooklyn, N. Y.
Guarantee Tire & Rubber Co. ("Long Distance," "Hot Spark"), Indianapolis, Ind.
Hampshire Mfg. Co. ("Wizard," "Rival"), Hatfield, Mass.
Hartford Machine Screw Co. ("Master," "H. M. S. Bull Dog"), Hartford, Conn.
Heinze Electric Co. ("Heinze," "Heco"), Lowell, Mass.
Herz & Co. ("Bougie Mercedes"), 245 W 55th, New York
Hill Insulating & Mfg. Co., 511 W 42, New York.
Hubbell Harveyl (Inc.), Bridgeport, Conn.
Ideal Switch & Machinery Co. ("Ideal"), Plainville, Conn.
Janesville Products Co., Janesville, Wis.
Jefferson Electric Mfg. Co., 426 S Green, Chicago, Ill.
Jones Major E. Motor Co. ("Major Jones"), Detroit, Mich.
K-W Ignition Co. ("Hot Shot," "Vim"), Chester av & E 30th, Cleveland, O.
Kokomo Electric Co. ("Kingston"), Kokomo, Ind.
Lauraine Magneto Co. Inc. ("Lauraine"), 181 13th, Long Island City, N. Y.
Legnard A B Co., Waukegan, Ill.
Leich Elect. Co., Genoa. Ill.
Lemke Electric Co. (Mica & Porcelain), 509 Cedar, Milwaukee, Wis.
Lockwood Ash Motor Co. ("Never-Miss"), Jackson, Mich.
Long Bros. ("Leader," "Ramble"), Kokomo, Ind.
Long Distance Spark Plug Co. ("Long Distance"), Indianapolis, Ind.
Louisville Auto Supply Co. ("Lasco"), Louisville, Ky.
Mac Gregor Co., John, 756 South Boston, Mass.
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
*See adv index at end of book*
Marburg Bros. (Imported), 90 West, New York.
Matador Tire & Vulcanizing Co. ("Matador"), 1400 Michigan av, Chicago, Ill.
Michigan Motor Specialties Co. ("Becco"), 26 Dubois, Detroit, Mich.
Miller Chas. E. (Mica & Porcelain), 97 Reade, New York
Miller Mfg. Co., Peekskill, N. Y.
Milwaukee Auto Specialty Co. ("Centerfire," "Victor"), 711 Chestnut, Milwaukee, Wis.
Morgan Mfg. Co., Inc. ("Morgan"), Keene, N. H.
Mosler A. R. & Co. ("Spit-Fire," "Triumph," "Breech-Block," "Vesuvius," "Beat-M-All Ramrod"), Mt. Vernon, N. Y.
Motor Car Supply Co. ("M. C. S."), 1453 Michigan av, Chicago, Ill.
New York Mica & Mfg. Co. ("Wright" Mica "Auburn"), Auburn, N. Y.
Oakes & Dow Co. ("Comet," "Sootless"), 311 Atlantic av, Boston, Mass.
Orswell Igniter Co. (Plug & Coil Combined), Boston, Mass.
Pettingell-Andrews Co. ("O. K."), 166 Pearl, Boston, Mass.
Pittsfield Spark Coil Co. ("Jewell" Mica), Pittsfield, Mass.
Post & Lester Co. ("E. I. C."), Hartford, Conn.
Rajah Auto Supply Co., Bloomfield, N. J.
Randall-Faichney Co. ("Mac-Kae Blitz"), Boston, Mass.
Reflex Ignition Co. ("Reflex," "Lightning," "Arrow," "Baby Reflex," "Lightning-Kid"), 1708 Payne, Cleveland, O.
Rex Ignition Mfg. Co., 1779 B'way, N. Y.
Rhineland Machine Works Co. ("Lechler" Imp.), 1737 B'way, New York
Rosen A. W & Co., 610 B'way, New York
Schug Elect. Mfg. Co., 252 E. Larned, Detroit, Mich.
Seidler-Miner Co., 36 E Larned, Detroit, Mich.
Sharp Spark Plug Co. ("Sharp Spark," "Fire Fly"), C. A. C. bldg, Cleveland, Ohio
Spafford Machine Screw Wks., Hartford, Conn.
Splitdorf Electrical Co., (Green Jacket), 98 Warren, Newark, N. J.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stitt Ignition Co. ("Stitt"), Columbus, O.
Stonebridge C. H. Mfg. Co. (Lock Valve), 23 Warren, New York
Superior Motor Power Co. ("Su-Dig" Two Plug Ignition, "Twin-Tact" Double Plug), 135 5th av, New York.
Szel Import & Export Co. ("Anchor"), 393 B'way, New York
Tungsten Mfg. Co. ("Tungsten"), Marshalltown, Ia.
Utility Co. ("Utility" & "Uko"), 636 W 44th, New York
Vital Mfg. Co. ("Vital," "Leader"), Cleveland, O.
Washington Auto Supply Co. ("Washington" & "Wasco"), Washington, Ill.
Wells, R. C. Mfg. Co., Fon-du-lac, Wis.
Wesco Supply Co., 7th & Clark av, St. Louis, Mo.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Williams E. Q., Syracuse, N. Y.

## 11234—Plugs (Stage & Receptacle)

Adam Frank Electric Co., 904-14 Pine, St. Louis, Mo.

PLUGS (STAGE & RECEPTACLE)—cont.

Bryant Elec. Co., 1421 State, Bridgeport, Conn.
Central Electric Co. ("Ralco" Receptacles), 302 S 5th av, Chicago, Ill.
**Chicago Electric Mfg. Co. ("Handy"), 2817 S Halsted, Chicago, Ill.**
**Clancy J. R., Syracuse, N. Y.**
Condit Electrical Mfg. Co., ("Cushing" Sole Selling Agents for Chase-Shawmut Co.), 1st & L, Boston, Mass.
**Drendell Electrical & Mfg. Co., 169 Erie,** San Francisco, Cal.
Electric Apparatus Co., 127 S Green, Chicago, Ill.
**GENERAL ELECTRIC CO.** (Interchangeable Stage), Schenectady, N. Y.
*See adv index at end of book*
**Manhattan Electrical Supply Co., 17 Park** pl, New York
*See adv index at end of book*
Newgard Henry & Co. ("Newgard"), 947 Washington blvd, Chicago, Ill.
Russell & Stoll Co., 17 Vandewater, New York
**Stanley & Patterson ("Fielding"), 23 Murray,** New York
Tregoning Electric Mfg. Co., Cleveland, O.
**UNIVERSAL ELECTRIC STAGE LIGHTING CO.** ("Kliegl"), 240 W 50th, New York

## 11234a—*Plugs ("Standard" Separable, Swivel & Non-Separable)

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 11235—Plugs (Steam Chest Oil)

**Franklin Railway Supply Co. ("Franklin," 30 Church, New York.**

## 11236— *Plugs (Switch)

**DELAWARE HARD FIBRE CO.** (Fibre), Wilmington, Del. Works: **Marshallton, Del.** *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 11237— Plugs (Tap)

Rapid Tap Plug Co. ("Rapid"), Grand Rapids, Mich.
Wolverine Brass Works ("Wolverine"), Grand Rapids, Mich.

## 11238— Plugs (Test)

Norwood Engineering Co. ("Streeter"), **Florence, Mass.**

## 11239— Plugs (Tie)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
**ESTES E B. & SONS, 364 5th av, New York** *See adv index at end of book*
Goldie Wm. Jr., Bay City, Mich.
Roper John L. Lumber Co. (Hardwood), Norfolk, Va.

## 11239a—Plugs—Transit (for Shrapnel)

Bogert & Hopper Inc., 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
***See adv index at end of book***

## 11239b—Plugs (Varnish Can)

**BOGERT & HOPPER INC.,** 57 Barclay, New York
***See adv index at end of book***
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 11240-1— Plugs (Wall)

American 3-Way Prism Co. (Metal), La Porte, Ind.
Bostwick Steel Lath Co. ("Bostwick" Galvanized), Niles, O.
Dowman-Dozier Mfg. Co. (Metal), Atlanta, Ga.
Erie Metal Products Co. (Mfrs. of Bungs & Plugs, Iron Only), Erie, Pa.
Hastings Foundry & Iron Works, Hastings, Neb.
Hubbell Harvey (Inc.), Bridgeport, Conn.
Merwin Mfg. Co., "Yankee" (Galvanized), Erie, Pa.
Niagara Falls Metal Stamping Works (Galvanized), Niagara Falls, N. Y.
Prescott J. B. & Son ("Rutty" Metal), Webster, Mass.
Wicks M. O. Mfg. Co., Glen Cove, N. Y.

## 11242— Plugs (Wooden)

See also Bungs, Barrel

Bachelder A. & Co., 234 Mt. Vernon, Lowell, Mass.
**BOGERT & HOPPER INC.** (For various purposes), 57 Barclay, New York
*See adv index at end of book*
**Brewing Appliance Specialty Co., Hartford,** Conn.
Central City Bung Co., Huntington, W. Va.
**ESTES E. B. & SONS** (Fluing, Carriage Body, Conduit, Deck, Drift, Oval, Paper Roll, Plumbers' Sand, Tile, Varnish, Can., etc.), 364 5th av, New
*See adv index at end of book*
Nashua Spool & Bobbin Co. (Paper Rolls, up to 5 in. in diam., Deck, etc.), Grove Hall Station, Boston, Mass.
**Peirce W. E. & Co., Milford, N. H.**
**Peters' Jno. M. Sons, Bleecker, N. Y.**
Redlich Mfg. Co. (All Kinds), 637 W Oak, Chicago, Ill. *See adv index at end of book*
Rowe Henry Mfg. Co., Newaygo, Mich.
Russ Co., 5700 Walworth av, Cleveland, O.
Sommer Jno. Faucet Co., 30 Morris av, Newark, N. J.
South Bend Dowel Wks., South Bend, Ind.
Standard Turning Works, Cambridge, Mass.
**STEVENSON MFG. CO.,** South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass.
*See adv index at end of book*
**U. S. Bung Mfg. Co., 48 S 2d, Brooklyn, N. Y.**

## 11243— Plugs & Feathers

Auer John, Jr. (Steel, Stone Hoisting), **197 Middleton, Brooklyn, N. Y.**
Channon Jas. H. Mfg. Co. (Stone Hoisting, etc.), 227 W Erie, Chicago, Ill.
Iron City Tool Works (Ltd.), 3201 Small**man, Pittsburgh, Pa.**

## 11244—Plugs & Patches (Tire Repair)

**See also Cement**

Anderson Rubber Works, Anderson ,Ind.
Braender Rubber & Tire Co. (Cementless), **Rutherford, N. J.**
**Double Fabric Tire Co. (Inside Fabric,** Outer Sleeve), **Auburn, Ind.**
**Durkee-Atwood Co. ("Rie-Nie" Patches),** 40 Wilder, Minneapolis, Minn.
Empire Tire & Rubber Corp., Trenton, N. J.
Firestone Tire & Rubber Co. ("Firestone"), **Akron, O.**
Fisher Mfg. Co. ("Fisher"), Lincoln, Neb.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Keystone Rubber Mfg. Co. (Rubber, no Cement), Erie, Pa.
Michelin Tire Co. (Patches and Sleeves for **Repairing Automobile Tires & Inner Tubes), Milltown, N. J.**
Morgan & Wright, ft. Bellevue, Detroit, Mich.
Parker-Stearns & Co. ("Alpha"), 286 Sheffield av. Brooklyn, N. Y.
Perfection Tire & Rubber Co., Fort Madison, Iowa

## 11244a—Plugs & Receptacles (Battery Charging)

Anderson Albert & J. M. Mfg. Co. ("Anderson," For Electric Vehicle & Railway Coaches, Power Circuit Connections **A. C. & D. C.), 289A, Boston, Mass.**
**Consolidated Car Heating Co., Albany, N. Y.**
**GENERAL ELECTRIC CO. ("Standard"** Tapping Plugs & Receptacles), Schenectady, N. Y.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 11245— Plumb Bobs

Bergman Tool Mfg. Co. (Steel, Hexagon & Round), **Buffalo, N. Y.**
Braunsdorf-Miller Co., Elizabeth, N. J.
Brown & Sharpe Mfg. Co. ("Mercury"), **Providence, R. I.**
Chapin-Stephens Co., Pine Meadow, Conn.
Crescent Novelty Mfg. Co. (Lead), 703 S B'way, St. Louis, Mo.
**Dikeman Mfg. Co. ("Cant-Roll"),** Norwalk, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.
**Fuerst Bros. & Co. (Imp), 2 Stone, New** York
**Goodell-Pratt Co., Greenfield, Mass.**
**Huebel Mfg. Co. (Bronze), 103 Monroe,** Newark, N. J.
Jennings C. E. & Co., 71 Murray, New York
Keuffel & Esser Co., Hoboken, N. J.
Lamp & Miller Mfg. Co., 382 4th, Milwaukee, Wis.
**Leistner Paul Sons Mfg. Co. (Common** Sense & Reversible), St. Charles, Mo.
Peck, Stow & Wilcox Co., Southington, Conn.
**Reading Hardware Co., Reading, Pa.**
Ridgely-Trimmer Co., Springfield, O.
**S. & I. Co. ("Perfect"), Springfield, Mass.**
Sargent & Co. (Brass, Lead, Wired, Iron, Adjustable Top), New Haven, Conn.
Stanley Rule & Level Co. (Adjustable), New Britain, Conn.
**STARRETT L. S. CO. THE** (Mercury, Steel), Athol, Mass.
*See adv index at end of book*
**Union Hardware Co., Torrington, Conn.**
Welch T. F. Co., 55 Sudbury, Boston, Mass.
**West Haven Mfg. Co. (Machine Turned,** Highly Polished), West Haven, Conn.
**Wrightsville Hardware Co., Wrightsville, Pa.**

## 11246-7-8— Plumbago

**Buckeye Products Co., 919-929 W 5th, Cincinnati, O.**
*See adv index at end of book*
Dixon Joseph Crucible Co. ("Dixon's"), Jersey City, N. J.
Doggett Stanley Inc., 11 Cliff, New York
Dunn & Kruse, 63 Park Row, New York
**Federal Foundry Supply Co., 2639 E 79th,** Cleveland, O.
Frost & Cundill Inc. (Imp.), 60 Wall, New York
**Fuerst Bros. & Co. (Imp), 2 Stone, New** York
**Gross Otto (Imp), 66 Beaver, New York**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hill-Brunner Foundry Supply Co., 637 Evans, Cincinnati, Ohio
**Hill & Griffith Co., 1248 State, Cincinnati,** O.; Birmingham, Ala.; Chicago, Ill.; Pittsburgh, Pa.
*See adv index at end of book*
**Ilsley Doubleday & Co., 229 Front, New** York
**Kelly T. P. & Co. (Inc.), (Imp. "Ceylon"), 355 W 26th, New York**
McCormick J. S. Co. ("Extra Ceylon" & "Colomobo"), 25th & A. V. R. R. **Pittsburgh, Pa.**

ESTABLISHED 1847
E. B. ESTES & SONS
Manufacturers of
PAPER PLUGS-VARNISH CAN PLUGS
Spools or Cores for Adding Machine Paper. Bungs
Automatic Lathe Turnings Generally
364 5th AVENUE NEW YORK CITY

**McCullough-Dalzell Crucible Co., 36th & A. V. R. R., Pittsburgh, Pa.**
Midvale Mining & Mfg. Co., Central Natl. Bank bldg, St. Louis, Mo.
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Paterson-Boardman & Knapp, 10 Bridge, New York
Pettinos Chas. E. (Refiners & Grinders), 25 Church, New York
Salomon L. A. & Bro., 216 Pearl, New York
Smith Facing & Supply Co. ("Corona"), 1857 Carter rd, Cleveland, O.
**Springfield Facing Co., Springfield, Mass.**
*See adv index at end of book*
Stevens Frederic B. (East India Flake), 3d & Larned, Detroit, Mich.
*See adv index at end of book*
**Taunton Crucible Wks. (Pure Ceylon Graphite for Stove Dealers' Use), Taunton, Mass.**
Tennant C. Sons & Co. of N. Y. (Imp.), 100 William, New York
United States Graphite Co., Saginaw, Mich.
Woodison E. J. Co. (Ceylon & East India), 1621 St. Aubin, Detroit, Mich.

## Plumbers' Brass Goods Mfrs.

See the Specific Article Required

## Plumbers' Cabinet Work

**See Plumbers' Wood Work**

## 11249—Plumbers' Charts & Estimate Books

**Starbuck R. M. & Sons, Hartford, Conn.**

## 11250—Plumbers' Marble Work

**See also Marble Interior Work**

**Batterson & Eisele, Main Office & Works, Edgewater, N. J.**
Bowker, Torrey Co., 180 Granite, Boston, Mass.
Bradbury Marble Co., 4165 Duncar, St. Louis, Mo.
Buess Wm., 312 E 95th, New York
Butler Philip H. & Co., 197 B S Boston, Mass.
**Cascio S., 1259 Flushing av, Brooklyn, N. Y.**
Christie Marble Co., 1625 St. Aubin, Detroit, Mich.
**Clow James B. & Sons, Franklin & Harrison, Chicago, Ill.**
**Eschmann B. & J., 412 E 37th, New York**
Evans Marble Co., Ranstead Wharf, Baltimore, Md.
**Fair Haven & Marbleized Slate Co., Fair Haven, Vt.**
George Marble Co. ("Cherokee," "Creole," "Etowah," "Amicalola," "Spring White," "White Southern"), Tate, Ga.
**Georgia Marble Finishing Works, Canton Ga.**
**Grant Marble Co., 27th & Canal, Milwaukee, Wis.**
Hilgartner Marble Co., 223 N Charles, Baltimore, Md.
**Jacoby & Son Co., 2025 Market, Phila., Pa.**
**Klaber A. & Son, 211 Vernon av, Long Island City, N. Y.**
**McGratty & Sons, 313 Butler, Brooklyn, N. Y.**
McLaury D. H. Tile Co., 103 Park av, New York
**Marthens Chester N., Marble Co., W 53d & Wallace, Chicago, Ill.**
Northwestern Marble & Tile Co., 27th av S **& 27th, Minneapolis, Minn.**
Peoria Stone & Marble Works, Peoria, Ill.
Pickel Marble & Granite Co., 1901 N B'way, St. Louis, Mo.
**Shipway J. H. & Bro., Locust av & 136th, New York**
**Standard Marble Works (John M. Mueller, Jr., Prop.), 706 W Front, Cincinnati, O.**
**Troy Bros. & Co., 975 Mass av, Rox., Boston, Mass.**
Vermont Marble Co., Proctor, Vt.

## Plumbers' Porcelain Ware Mfrs.

See Bath Tubs, Porcelain

## 11251—Plumbers' Rubber Goods

**See also Rubber Manufacturers**

**Akron Rubber Mold & Machine Co., Akron, Ohio**
**Anderson Rubber Works (Valve Seats & Cups), Anderson, Ind.**
Canfield H. O. Co., Bridgeport, Conn.
Canfield Rubber Co. ("Redtex," "Blackrock"), Bridgeport, Conn.
Consolidated Rubber Co., Trenton, N. J.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
**Manhattan Rubber Mfg. Co., Passaic, N. J.**
Mattson Rubber Co., Lodi, N. J.
**New York Belting & Packing Co., 91 Chambers, New York**
**Pennsylvania Rubber Co., Jeannette, Pa.**
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Robinson Plumbing Supply Co. (Jobber), St. Paul, Minn.
Schacht Rubber Mfg. Co., Huntington, Ind
U. S. Rubber Co., 1790 Broadway, New York
Western Rubber Co., Goshen, Ind.

## 11252—Plumbers' Sanitary Earthenware Mfrs.

**Abingdon Sanitary Mfg. Co., Abingdon, Ill.**
Acme Sanitary Pottery Co., Trenton, N. J.
Alliance Co., 1924 Clybourn av, Chicago, Ill.
American Sanitary Works ("B. O. T."), Washington, N. J.
Bellmark Co., Trenton, N. J.
Bowers Pottery Co., Mannington, W. Va.
Camden Pottery Co., Camden, N. J.
Cochran, Drugan & Co., Trenton, N. J.
Douglas John Co. Carthage, Cincinnati, O.
**Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.**
Economy Pottery Co., Trenton, N. J.
Elite Pottery Co., Trenton, N. J.
**Eljer Co., Cameron, W. Va.**
Florentine Pottery Co., Chillicothe, O.
**Ford's Porcelain Works, Perth Amboy, N. J.**
**Helfrich Pottery Co., Evansville, Ind.**
Ironsides Pottery Co., Bordentown, N. J.
Jackson Potteries Co. (Vitreous China), Fulton bldg, Pittsburgh, Pa.
Kalamazoo Sanitary Mfg. Co., Kalamazoo, Mich.
Keystone Pottery Co., Trenton, N. J.
Kokomo Sanitary Mfg. Co., Kokomo, Ind.
Maddock John & Sons, Trenton, N. J.
Maddock's Thos. Sons Co., Trenton, N. J.
Mercer Pottery Co., Trenton, N. J.
Monument Pottery Co., Trenton, N. J.
National Pottery Co., Evansville, Ind.
N. J. China Pottery Co. ("Codru"), Trenton, N. J.
Pacific Porcelain Ware Co., 67 New Montgomery, San Francisco, Cal.
Resolute Pottery Co., Trenton, N. J.
Sanitary Earthenware Specialty Co. ("Sesco" Vitreous), Trenton, N. J.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Standard Sanitary Pottery Co., Elizabeth, N. J.
Trenton Fire Clay & Porcelain Co., Trenton, N. J.
Trenton Potteries Co., Trenton, N. J.
Universal Sanitary Mfg. Co. (Vitreous China Tanks, Closets, Urinals, etc), New Castle, Pa.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

## 11253—Plumbers' Seamless Tubing, in Brass, Copper & Nickel Plated

**AMERICAN BRASS CO.** (Also Benedict Nickel), Waterbury Conn.
*For branch offices see adv index at end of book*
American Tube Works, 10 Oliver, Boston, Mass.

**BALTIMORE TUBE CO.,** Wicomico & Ostend, Baltimore, Md.
Bridgeport Brass Co., Bridgeport, Conn.
Cleveland Brass & Copper Mills (Inc.), Euclid, O.
Hungerford U. T. Brass & Copper Co. (Brass & Copper), 80 Lafayette, New York
Klenke F. J. Co. ("Diamond K"), Sharon, bldg, San Francisco, Cal.
Randolph-Clowes Co., Waterbury, Conn.

## Plumbers' Slate Work

**See Slate Urinals, Slabs, etc; also Laundry Tubs, Slate.**

## 11254— Plumbers' Soil

Colebrook's W. H. Son ("Colebrook's"), Syracuse, N. Y.
Johnson Wm. (Hedenberg Works), Newark, N. J.

## 11255—Plumbers' Supplies, Jobbers

See also Steam Fitters' Supplies, etc.

For the manufacturers of all kinds of Plumbing Specialties, see the Specific Article Required

### ALABAMA.

BIRMINGHAM — Jefferson Plumbers' & Mill Supply Co.

### ARIZONA.

PHOENIX—Mulrein J. H. Plumbing Supply Co.

### ARKANSAS.

FT. SMITH—Meister Bros.-Bracht Co.

### CALIFORNIA.

LOS ANGELES—Busch A. H. Co., 150 N Los Angeles
**Busch A. H. Co., 150 N Los Angeles**
Crane Co., 321 E 3rd
**Harper & Reynolds Co., 152 N Main**
**Morton F. B., 515 E 31st**
Pacific Pipe & Supply Co., 1002 Sante Fe av
Turner G. H. Co., 600 S San Pedro
OAKLAND—Crane Co. (of Chicago)
Kinney R. W. Co.
SACRAMENTO—Miller-Enwright Co.
SAN DIEGO—Western Metal Supply Co.
Hazard-Gould Co.
Whiteing-Mead Commercial Co., 415 E 9th
SAN FRANCISCO — California Steam & Plumbing Supply Co., 671 5th
Crane Co., 2d & Bramon
**Dalziel-Moller Co., 556 Mission**
Dunham Carriagan & Hayden Co., Kansas & Division
Fay Geo. H. Co., 599 Mission
Garratt W. T. Co., 299 Fremont
Haines, Jones & Cadbury Co. (of **Phila., Pa.), 351 Folsom**
Holbrook, Merrill & Stetson, 6th & Bluxome
**Kinney R. W. Co.**
Mark-Lally Co., 2d & Tehama
Nelson H. O. Mfg. Co., Howard
O'Hair P. E. & Co.
Owl Plumbing Supply Co., 967 Mission
Pacific Sanitary Mfg. Co., 67 New Montgomery
Paine & Co., 144 2nd
San Francisco Plumbing Supply Co.
Simon Bros., 981 Mission
**Standard Sanitary Mfg. Co., 149 Bluxconde**
**Stulsoft M. Co., 647 Missouri**
**Tay Geo. H. Co., 599 Mission**
SAN JOSE—Gilger Frank B.

### COLORADO.

DENVER—Garrett-Elliott Hardware & Heating Co.
Hedges-Atkins Supply Co.
O'Fallon M. J. Supply Co.
**Wolff L. Mfg. Co. (of Chicago), 1533 Blake**

### CONNECTICUT.

BRIDGEPORT—Bridep't Plumbing Supply Co.
DANBURY—Hull F. A. & Son
EAST NORWALK—Norwalk Mfg. Co.
HARTFORD — Eastern Plumbing Supply Co.
Little M. S. Manufacturing Co., Allyn & High
Plimpton & Hills Corp.
Purcell-Cox Corp.
Trant Thomas & Bro.
Starbuck R. M. & Sons
NEW HAVEN—Mersick C. S. & Co.
**New Haven Plumbing Supply Co.**
Peck Bros. & Co.

CONNECTICUT—continued
NORWICH — Norwich Plumbing Supply House
STAMFORD—Cohn Wm.
WATERBURY—Daly Bros. Supply & Engng. Co.
Daly M. J. & Sons

### DELAWARE.

WILMINGTON—Delaware Electric & Supply Co.
Speakman Supply & Pipe Co.

### DISTRICT OF COLUMBIA.

WASHINGTON — Cunningham Plumbing Supply Co., 1234 Pennsylvania av, N W
Latterner Arthur, 602 Penna. av, N W
Messer Jas. A. Co., Inc.
Schafer E. G. & Co., 218 13th, N W
Somerville Thos. Co., 312 13, N W

### FLORIDA.

JACKSONVILLE—Cameron & Barkley Co.
Hubbard S. B. Co.
KEY WEST—Peacon Richard & Co.
Savannah Supply Co.
PENSACOLA—Born Chas. A.
TAMPA—Coates Plumbing Supply Co.
Florida Auto & Gas Engine Co.

### GEORGIA.

ATLANTA—Crane Co.
General Supply Co.
Lowry Co.
AUGUSTA—McAuliffe T. G.
COLUMBUS—Columbus Iron Works
ROME—Rome Supply Co.
SAVANNAH—Haines, Jones & Cadbury Co. (of Phila., Pa.)
McKenna Jas. H.
Savannah Supply Co.
Weed J. D. & Co. (Pipe & Fittings)

### ILLINOIS.

BLOOMINGTON—Keiser-Van Leer Co.
CHICAGO—Biddle Purchasing Co., 208 S La Salle
Block Mandel & Co., 1151 W 12th
Brooks Mfg. Co. (Specialties), 2946 W Lake
Chicago Millwork Supply Co., 1401 W 37th
Chicago Plumbing Supply Co., 726 W Grand av
Clow Jas. B. & Sons, Franklin & Harrison
Crane Co., (Est. 1855), 836 S. Michigan av
*For branch offices see Alphabetical Section*
Davies Supply Co., 412 W Ontario
Deschauer Co., 1345 Blue Island av
Ellis Sol, 2114 S State
Enterprise Plumbing Supply Co., 10 E Kinzie
Federal-Huber Co., 234 N Halsted
Fulton Supply Co., 1600 Fulton
Geary Andrew J., 9311 Baltimore av
Goetz Brass Co., 630 N Franklin
Gollner Phillip Co., W 33d & Archer av
Guarantee Heating & Plumbing Supply Co., 2127 S State
Hardin-Lavin Co., 4543 Cottage Grove av
Henion & Hubbell, 219 N Jefferson
Hoelscher Bros., 1301 W Division
Illinois Malleable Iron Co., 1801 Diversey blvd
Karol B. Y., 800 S Kedzie av
Kellogg-Mackay Co., 403 W 18th
Kulp Chas. P. & Co., 1607 S State
Lavelle Rubber Co., 181 W Lake
Levinthal Plumbing Supply Co., 1637 W Div
Levy M. & Co., 2125 S State
Mid City Plumbing Supply Co., 1115 S Western
National Plumbing & Heating Supply Co., 6044 S State
Newar Miller Co., 3302 Ogden av
Peoples Plumbing & Heating Supply Co., 490 Milwaukee
Plumbing Sales Co., 835 W Lake
Quinn Supply Co., 29 South Western av
Shane & Co., 3304 Wentworth
Superior Mfg. Co., 5723 W Huron
Verbeck Harry Co., 208 N Wells
Warshawsky & Co., 1915 S State
Weil Bros., 651 W Lake
Weir & Craig Mfg. Co., 6316 Wentworth av
Western Plumbing Supply Co., 3228 Fillmore
Whitney & Ford, 4315 Cottage Grove av
Wolff Mfg. Co., 255 N Hoyne av
Zwick R., 1247 Blue av
DANVILLE—Inland Supply Co.
DECATUR—Field & Shorb Co.
PEORIA—Ideal Tank & Supply Co.
Kinsey & Mahler Co.
Nation Bros. Co.
ROCKFORD—Rockford Brass Works
ST. CHARLES—Glenn Mfg. Co. (Iron Goods)

### INDIANA.

ANDERSON—May Supply Co.
EVANSVILLE—Wooley John E. & Son
FORT WAYNE—National Mill Supply Co.
P. & H. Supply Co.
INDIANAPOLIS—Central Supply Co.
Jackson Supply Co.
Van Camp Hardware & Iron Co., 401 W Maryland
KOKOMO—Kokomo Hardware Co.
LAFAYETTE—Biggs B. F. Pump Co.
LOGANSPORT—Baker Specialty & Sup. Co.
MUNCIE—Keiser Geo. & Co.
NOBLESVILLE—Clark's Supply House
PERU—Moseley Supply Co.
TERRE HAUTE—Crane Co. (of Chicago)
UNION CITY—Knapp Supply Co.
Union Sanitary Supply

### IOWA.

CEDAR RAPIDS—Cedar Rapids Pump Co.
Chandler Pump Co.
DAVENPORT—Crane Co. (of Chicago)
DES MOINES—Beckman Bros.
Crane Co. (Of Chicago)
Globe Machinery & Supply Co.
Kurtz L. H. Co.
DUBUQUE—Dubuque Sanitary Mfg. Co.
Kretschmer Mfg. Co.
McDONALD A. Y. MFG. Co. (Mfrs)
FORT DODGE—Leighton Supply Co.
MARSHALLTOWN—Fisher Governor Co.
MASON CITY—Hawkeye Supply Co.
Mason City Supply Co.
OSKALOOSA—Ideal Mfg. & Supply Co.
SIOUX CITY—Crane Co.
Wigman-Curtis Co.
WATERLOO—Waterloo Mfg. Co.

### KANSAS.

ATCHISON—Thayer Supply Co.
EL DORADO—Gaylord Sanitary Mfg. Co.
HUTCHINSON—Nelson Mfg. & Supply Co.
WICHITA—Crane Co. (of Chicago)
Martin Metal Mfg. Co.

### KENTUCKY.

LOUISVILLE—Hyman E.
Laib Co.
Standard Sanitary Mfg. Co. (Ahrens & Ott Div)
Vogel P. A. & Sons, 121 W Main

### LOUISIANA.

NEW ORLEANS—Fairbanks Co. Camp & St. Joseph (of New York City)
Manion & Co., 618 Baronne
Plumbing & Mill Supply Co., 840 Baronne
Standard Sanitary Mfg. Co., 846 Baronne
Standard Supply Co., 420 Carroll

### MAINE.

BANGOR—Dunning R. B. & Co.
PORTLAND—Blake W. L. & Co.
Smith & Abbott Co.

### MARYLAND.

BALTIMORE—Central Metal & Supply Co., 611 E Lombard
Crane Co., 624 W Pratt
*For branch offices see Alphabetical Section*
Crook-Horner Supply Co., 7 Balderson
Cuyler & Mohler, 611 William
Herman B. C. Co., 1441 E Baltimore
Krause & Roberts, 1314 E Baltimore
Lit-Silver Plumbing Supply Co., 109 Fallsway
Neser & Quinn Co., Lexington & Green
Robertson Jas. Mfg. Co., 108 Hopkins pl
Southern Supply Co., Calvert & Sara
Star Plumbing Supply Co., 919 E Lombard
Young, Klotsch & Appel, Inc. (Brass & Copper), 624 W Calvert
CUMBERLAND—McKaig Merwin
HAGERSTOWN—Ditto E. W.
Reichard Supply Co.

### MASSACHUSETTS.

BOSTON—Barrett Jas. Mfg. Co., 117 Pearl
Boston Pipe & Fittings Co., 273 Congress
Boston Plumbing & Lighning Supply Co.
Bradlee & Chatman, 54 Canal
Braman, Dow & Co., 239 Causeway
Brown Wales Co., 489 C.
Butler Edmund F. & Co., 80 Pearl
Carpenter & Patterson
Crane Co. (of Chicago) 48 W 1st
Dalton-Ingersoll Mfg. Co., 52 Chauncy
Daly Plumbing Supply Co., 93 Cummings
Dececo Co., 157 High
Estabrook's R. Sons, 202 1st
Gallison Wm. H. Co., 399 Atlantic av
Gilchrist, Geo. E. Co., 106 High
Hercules Iron & Supply Co., 473 Atlantic av
Hubbard W. B. & Sons Co., 176 Oliver
Locke, Stevens & Co., 94 Warrenton
Martin Thos. F.
Maynard Mfg. Co., 127 Purchase
Sanitary Fixtures Co., 275 Congress
Sanitas Mfg. Co., 105 Washington
Sullivan Daniel P., Jr., 250 Congress
Sumner Dunbar, 287 Congress
Thompson Durkee Co., 92 High
Wacco Supply Co., 30 Marginal East
Webb F. W. Mfg. Co., 56 Elm
Whitehead Metal Products Co. (Brass Plumbing Supplies), 67-73 Washington, North
*See adv index at end of book*
Young Jos. H. Co., 82 High
CAMBRIDGE—Cambridge Plumbing Supply Co.
Corcoran Supply Co., 62 Albany
FITCHBURG—Parks & Cramer Co.
FRAMINGHAM — Manufacturing Equipment & Engng. Co.
HOLYOKE—Holyoke Supply Co.
LOWELL—Hobson & Lawler Co.
LYNN—Bourneuf Louis Corp.
NEW BEDFORD—Watson-Penfield Corp.
Wood, Brightman & Co.
PITTSFIELD—Robbins Gamwell & Co.
SALEM—Salem Plumbing & Lightning Supply Co.
SOMERFIELD—Ideal Supply Co.
SPRINGFIELD—Crane Co. of Springfield
New England Plumbing Supply Co.
WORCESTER—Baker Lead Mfg. Co.
Desper H. A. (Specialties), 16 Foster

### MICHIGAN.

BAY CITY—Aladdin Co.
Alert Pipe & Supply Co.
DETROIT—Colwell-Ideal Corp., Grand River & Kirby
Detroit Lead Pipe Works
Harvey's A. Sons Mfg. Co., 128 1st
Kimball-Eisenberg Co., 219 E Jefferson
Kinche F., 11 Broadway
Lukomski Bros. Co., 2480 E Grant blvd
McCormick Plumbing Supply Co., 179 Baker
McRae & Roberts Co.
*See adv index at end of book*
Master Plumbers' Specialty Co., 21 E Fort
Michigan Plumbing Supply Co., 256 Jefferson av
Park & McKay, 55 Bagley av
Sales Murray W. & Co., 76 Jefferson av
Walker Mfg. & Supply Co., Shelby & Woodbridge

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

GRAND RAPIDS—Ferguson Supply Co.
Grand Rapids Salvage Co.
JACKSON—Central Distributing Co.
LANSING—Michigan Supply Co.
MUSKEGON—Howden J. J. Co.
SAGINAW—Alert Pipe & Supply Co.

### MINNESOTA.

DULUTH—Crane & Ordway Co.
Duluth Plumbing Supplies Co.
MINNEAPOLIS—Central Supply Co., 312 S 3rd
Crane Co. (of Chicago)
Gilmore D. M. Co., 515 S 3d
National Mfg. & Supply Co., 256 3d av
Rollins Sim D., Sec bldg
Roberts-Hamilton Co., 413 S 4th
ST. PAUL—Cochran-Sargent Co., 182 E 6th
Crane & Ordway Co. (of Chicago)
Robinson Plumbing Supply Co.
Twin City Plumbing Specialty Co., 406 Revoux
Union Brass & Metal Mfg. Co., Lawson & Mackubin
Western Supply Co., Park Square

### MISSOURI.

JOPLIN—Plumbers Supply Co.
KANSAS CITY—Crane Co. (of Chicago),
Kansas City Pump Co., 1314 W 10th
Reeves Supply Co., 1304 McGee
Southwest Plumbing Supply Co., 2030 Walnut
United States Water & Steam Supply Co.
Young W. B. Supply Co.
ST. JOSEPH—Horigan Supply Co.
Howe W. B. Supply Co.
ST. LOUIS—Adami Plumbing Supply Co.
Cahill-Swift Mfg. Co.
Central Hdwe Co.
Crane Co. (of Chicago)
Monument Plumbing Supply Co., 2635 Locust
Nelson N. O. Mfg. Co., 10th & Chestnut
Rumsey L. M. Mfg. Co., 4372 Westminster
SPRINGFIELD—Cooper Harry Supply Co.
Springfield Plumbing Co.

### NEBRASKA.

LINCOLN—Cornell-Searl Co.
Western Supply Co.
OMAHA—Crane Co. (of Chicago)
Hause Chas. F. Mfg. Co.
Omaha Sanitary Supply Co.
United States Supply Co.
Wolff Mfg. Co.

### NEW HAMPSHIRE.

CONCORD—Concord Pipe Co.
Page Belting Co., Inc.
MANCHESTER—Manchester Supply Co.
Trudell Geo. E. Co.

### NEW JERSEY.

ATLANTIC CITY—Atlantic City Plumbing Supply Co.
BAYONNE—Bayonne Supply Co.
Blumberg J. Co.
BELMAR—Belmar Supply Co.
BOGOTA—Bogota Plumbing Supply Co.
ELIZABETH—Elizabeth Hardware Co.
Hemmendinger S.
GUTTENBERG—Herrmann F. W. Co.
HACKENSACK—Howell E. F. Mfg. Co.
JERSEY CITY—Jersey City Supply Co., 12 Mercer
Letcher R. J. & Son, 191 Morgan
Perkins Arthur L., 144 12th
NEWARK—Egbert W. V. & Co., 35 Mechanic
Howard Plumbing Supply Co., 133 Howard
Kantor Bros., 134 Little
Kenney Wm. F. (Specialties), 63 Mechanic
ROE & CONOVER, 206 Frelinghuysen av *See adv index at end of book*
NEW BRUNSWICK—Beith & Reilly Co.
PASSAIC—Friedman A. J. Co.
Friedman Bros.
Passaic Plumbing Supply Co.
Ral Specialty Co.
PATERSON—McNab & Harlin Mfg. Co.
Quinn Bros.
Smith Abe
TRENTON—Katzenbach F. S. & Co.
Standard Supply & Equipment Co., 143 W Warren
Warren, Balderston & Co.
WEEHAWKEN—Berger Edw. W. & Bro.

### NEW YORK.

ALBANY—Dellhanty's M. Son.
Hoy & Co.
AUBURN—Donovan D. A.
Smith & Pearson
BINGHAMTON—Millar Chas. & Son Co.
Prescott Supply Co.
BUFFALO—Alert Plumbing Supply Co., Inc., 788 Seneca
Buffalo Plumbing Supply Co., 665 Fillmore av
Bushnell Clarence E.
Case W. A. & Sons Mfg. Co.
Dixon & Ballou, 321 Ellicott
Hamill D. L. Co., 60 Delaware av
Schaefer & Co., 146 Clinton
Warren & Dellwardt Co., 109 Seneca
ELMIRA—Le Valley-McLeod-Kinkaid Co.
Sweet A. L. Iron Works (Castings), 141 Glenwood av
KINGSTON—Canfield Supply Co.
LOCKPORT—M. A. Connor (Specialties)
MEDINA—Swett A. L. Iron Works (Castings), 145 Glenwood av
NEW ROCHELLE—Dimock & Fink Co.

### NEW YORK CITY.

#### Borough of Brooklyn.

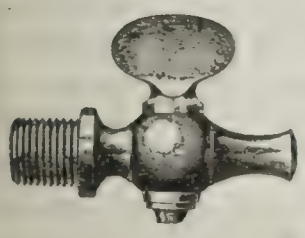
BROOKLYN—American Plumbing Mfg. Co., 164 Atlantic av
Bishop's Wm. Sons (Marine Tintures), 724 3d av
De Laney Thos. M., 576 Atlantic av
Gasner Simon & Sons Co., Inc., 1872 Pitkin av
Jacobs Geo. P. & Co., 274 S 9th
Johnson J. D. Co., 43 Boerum pl
McElraevy & Hauck Co., 440 B'way
Sackin & Levinson Co., 523 Atlantic av
Smyth-Donegan Co., 247 St. Marks av
Thill A. P. Co., 1035 Putnam av
Williamsburg Plumbing Supply Co., 3 Moore

#### Boroughs of Manhattan and Bronx.

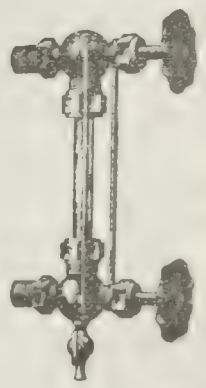
NEW YORK—Adee Fred Co., 8 Cliff
Associated Mfrs. Co. of N. Y., 103 Varick
Behrer Arnold & Sons, 278 Pearl
Behrer & Co., 81 Beekman
Beith & Reilly Co., 2475 3d av
Blue & Queripel Co., 2360 3d av
Campbell Supply Co., 570 Columbus av
Central Plumbers Supply Co., 252 Pearl
Chelsea Mfg. Suply Co., 236 W 20th
Cornell & Underhill, Greenwich & Spring
Crane Co. (of Chicago), 490 Cherry
Dimock & Fink Co., 220 E 125th
Driggs C. V., Inc., 160 E 56th
Du Bois F. N. & Co., 247 9th av
Durst Mfg. Co., 105 Chambers
Efron Jacob, 233 Broome
Em-Em Selling Co., 424 Broome
General Supply & Equip. Co., 207 Hudson
Glauber M. & Co., 103 Varick
Glauber Sam S., 242 E 79th
Greenbaum I., 64 E 116th
Greenberg, Louis, 43 Suffolk
Harlem Supply Co., 116 E 124th
Heights Plumbing Supply Co., 495 W 145th
Heiland Geo. W., 107 W 13th
H. & M. Plumbers' Supply Co., 217 E 58th
Hamilton Supply Co., 495 W 145th
Heiland Geo. W., 107 W 13th
Hess Chas. Co., 96 Wall
Hotchkiss Vail & Garrison Co., 104 E 41st
Hungerford U. T. Brass & Copper Co., 80 Lafayette
Hussey W. H. & Son, 148 W 35th
Interboro Plumbing Supply Co., 3933 3d av
Kamerman I., 1660 Park av
Keating E. F. Co., 446 Water
Keating James A. Co., 105 Christopher
Lilien & Charyn, 430 W B'way
McLoughlin Supply Co., 47 Cliff
McMann & Taylor Co., 104 John *See adv index at end of book*
McShane Bell Fdy. Co., 50 Church
Maco Products Corp., 154 Nassau
Malbin Mayer, 303 E 60th
Matzke Morris, 424 Broome
Meyer F. & J., 116 Broad
Meyer-Sniffin Co., 11 W 36th
Murray Jno. A. & Co., 310 W 39th
Nason Mfg. Co., 71 Fulton
New York Plumbers' Specialty Co., 254 E 59th
Oliver Bros Inc., 71 Murray
Peck Bros. & Co. (of New Haven, Conn.), 219 W 49th
PIERCE, BUTLER & PIERCE MFG. CORP., 437 E 162d
Royal Plumbing & Roofing Supply Co., 430 W 125th
Schlossman M. & Son, 208 E 34th
Seidenberg J. M. & Co., Inc., 545 3rd av
Shapiro A. Plumbing Supply Co., Inc., 167 Av A
SIMMONS JOHN CO., 110 Centre *See adv index at end of book*
Smolka Edw. Plumbing Supply Co. (Inc.), 231 E 33d
Standard Plumbing Supply Co., St. Anns av & 159th
Stein Henry (Mfrs.' Agent), 48 Cliff


# HIGH GRADE BRASS GOODS

**FOR STEAM, WATER AND GAS**



Water Gauges
Gauge Cocks
Air Cocks
Cylinder Cocks
Steam Cocks
Gas Service Cocks
Priming Cocks
Compression Bibbs and Stops
Ground Key Bibbs and Stops
Gas Stove Cocks
Pop Safety Valv
Brass Fittings
Etc



## The McRAE & ROBERTS CO.

**Detroit, Michigan**

NEW YORK—New York—continued
**Swain Frank E. (Specialties), 69 Beekman**
**Trumpbour-Whitehead Brass & Copper Co. (Brass Plumbing Supplies), 309-311 Canal**
***See adv index at end of book***
**United Plumbers' Supply Co., 181 E 108th**
Weissberg Chas. Plumbing Supply Co., 317 Broome

**End of New York City**

**ROCHESTER—Ford R. T. Co., South Hunting Co.**
**Sloan Samuel & Co.**
**SYRACUSE—Crane Co.**
**Foley Supply Co.**
**TROY—Aird-Don Co.**
**UTICA—Millar Chas. & Son Co.**
**Utica Plumbing Supply Co.**
**WATERTOWN—Hunting Co.**
Weekes Jno. & Son Co.
Wise J. B. Inc. ("Wisco" Mfrs.)
**YONKERS—Yonkers Plumbing Supply Co.**

## NORTH CAROLINA.

CHARLOTTE—Parks-Cramer Co.
Whitman-Douglas Co.
WINSTON-SALEM—Crawford Mill Supply Co.

## NORTH DAKOTA.

**FARGO—Crane & Ordway Co.**

## OHIO.

AKRON—Mill & Mine Supply Co.
**CANTON—Chapman Plumbing Supply Co., 204-208 W 3rd S W**
**CINCINNATI—Crane Co. (of Chicago), Est. 1855, 824 B'way**
Douglas Jno. Co., Carthage
**King Walter E. Co., 115 W 3rd**
McDonald Jas. & Sons Co.
Merkel Bros. Co., Canal & Jackson
Murdock Mfg. & Supply Co., 426 Plum
**CLEVELAND—Best Mfg. Co., 4610 St. Clair av**
Cassidy Mfg. Co., 1396 E 65th
**Cleveland Plumbing Supply Co., 1017 Walnut**
Cuyahoga House Wrecking Co., 6311 Kinsman rd
**Federal Brass Mfg. Co. (Also Mfg. Brass Goods), 1000 Champlain av N W**
**Fisher E. W. Co., 811 Superior av, N E**
Kennedy Co., Euclid av
Meyer Supply Co.
Modern Mfg. Co., 1872 E 55th
**Paramount Brass & Mfg. Co. (Specialties), 2187 E 2d**
Rivitz Chas. & Co., 108 High av
Rivitz H. S. & Co., 2112 Ontario
**Standard Mfg. Co., 4425 Euclid av**
Stetter C. E.
Welker Supply Co., 6504 **Carnegie av, S E**
Worthington Geo. Co., 802-832 **St. Clair av N W**
COLUMBUS—Ascher Supply Co., 236 N 3d
**Columbus Supply Co., 37 W Spring**
**Plumbers' & Factory Supply Co., 33 E Spring**
Scioto Valley Supply Co., Long & 3rd
**Westwater Supply Co., 150 N 3d**
**DAYTON—Dayton Supply Co.**
**Gibbons M. J. Supply Co.**
Kiefaber W. H. Co.
GREENVILLE—Treaty Co.
LIMA—Good Tool & Supply Co.
**MANSFIELD—Hughes Supply Co.**
Humphryes Mfg. Co.
**NEWARK—Universal Supply Co.**
**NEW PHILA—Sharp Mfg. & Supply Co.**
**NORWALK—Gfell Jno. H. & Co.**
PORTSMOUTH—Portsmouth Supply Co.
Standard Supply Co.
ST. MARY'S—Jasperson Supply Co.
**TIFFIN—Crobaugh & Dahm Hardware Co.**
**TOLEDO—American Plumbers' Supply Co.**
Grosswiller Jos. F. Co., 430 Huron
**Ohio Plumbers' Supply Co.**
Shaw-Kendall Engineering Co.
**Stearns Mfg. Co.**
**XENIA—Parker Supply Co.**
**ZANESVILLE—Roekel Co.**

## OKLAHOMA.

**MUSKOGEE—Atlas Supply Co.**
**OKLAHOMA—Crane Co. (of Chicago)**
Mideke Supply Co.

## OREGON.

**PORTLAND—Crane Co. (of Chicago)**
Gauld Supply Co., 69 N 12th
Kline M. L. Co., 84 Front
Peerless Pacific Co., 72 Front
Stark-Davis Co.

## PENNSYLVANIA.

ALTOONA—Standard Supply & Equipment Co.
BEAVER FALLS—Beaver Valley Mill Supply Co.
CHESTER—Turner Supply Co.
**CONSHOHOCKEN—Case W. A. & Son Mfg. Co.**
Conshocken Stone Quarry
DALTON—Dalton Supply Co.
**DANVILLE—Danville Hardware & Supply Co.**
ERIE—Erie Plumbers' Supply Co.
HARRISBURG—Appleby Bros. & Whittaker Co.
Mather E. Co.
HAZELTON—Wagner Bros. Hardware Co.
LANCASTER—Pontz Fred D.
Raub Supply Co.
PHILADELPHIA—Blessing C. A., 516 Montgomery av
**Butterworth Supply Co. (Sundries), 4200 Kensington av**
**Cooper Sanitary Mfg. Co., 34th & Chestnut**
Crane Co. (of Chicago), 245 **Master**
Fleck Bros. Co., 44 N 5th
**Ford & Kendig Co., 312 N 24th**
Freedman, Small & Co., 623 S 6th
Froelich Bros., 142 N 7th
Haines Jones & Cadbury Co., 1136 Ridge av
Haynes-Thompson Co., 2107 Vine
Keystone Supply & Mfg. Co., 917 N 9th
**McCambridge Co., 315 No 20th**
**MacMullen & Co., 1037 Race**
**Penn. Pottery Co., Westmoreland & Tulip**
**Perkes Chas. Co., 627 Arch**
Rainear C. J. & Co., 518 Arch
Savill's Thos. Sons, 1310 Wallace
Schaffer Chas. W. Co., 3214 Chestnut
**Shuster Plumbing Supply Co., Willow & Franklin**
**Trumpbour-Whitehead Brass & Copper Co. (Brass Plumbing Supplies), 43 No 7th**
***See adv index at end of book***
Walls, Owen & Stambach Co., 11th & **Hamilton**
Woodward Wanger Co., 1106 Spring
PITTSBURGH—Alpha Supply Co.
**Anchor Sanitary Co., 123 3d av**
B. B. Specialty Co., 433 Liberty av
Bailey-Farrell Mfg. Co., 3d av & Rose
Bowman Supply & Mfg. Co., 890 Progress
Fort Pitt Supply Co., 332 2d av
Harris Pump & Supply Co., 320 2d av
Kelly & Jones Co., 135 Water
**Manufacturers Distributing Co., 325 Penn. av**
**Pittsburgh's Plumbing House**
Ross Hdwe & Plumbing Supply Co., 6322 Frankstone av
**Standard Mfg. Co., 439 Water**
**Standard Supply & Equipment Co., 29 & Smallman**
**Waite Supply Co., 2239 Brownsville rd**
POTTSTOWN—Fegely J. & Son
POTTSVILLE—Bright Geo. Hardware Co.
**READING—Bright & Co.**
Reading Foundry & Supply Co.
**SCRANTON—Gunster Bros.**
Keystone Specialty Co.
**Scott Chas. B. Co.**
**Weeks R. E. Co.**
SHAMOKIN—Sanner Hardware Co.
TITUSVILLE—Kernochan & Co.
WILKES-BARRE—Eastern Pennsylvania Supply Co.
Wyoming Valley Supply & Mfg. Co.
YORK—Small P. A. & S. Co.
YOUNGWOOD—Robertshaw Mfg. Co.

## RHODE ISLAND.

PROVIDENCE—Peck Benj. T., 251 Eddy
Phillips Lead & Supply Co., 91 S Main
Providence Plumbing Supply Co., 47 Pine
**Rhode Island Supply & Sprinkler Co., 156 West Exchange**
Tillinghast L. H. Supply Co., 162 Dorrance

## SOUTH CAROLINA.

CHARLESTOWN—Bailey-Lebby Co.
**Cameron & Barkley Co.**
Franke C. D. & Co.
**COLUMBIA—Southern States Supply Co.**

## SOUTH DAKOTA.

**SIOUX FALLS—Plumbing Supply Co.**
**WATERTOWN—Crane & Ordway Co.**

## TENNESSEE.

CHATTANOOGA—James Supply Co.
**KNOXVILLE—Crane Co.**
McClung C. M. & Co.
**MEMPHIS—Crane Co. (of Chicago)**
Cronin, Baker & Trindal
NASHVILLE—Case W. A. & Son Mfg. Co.

## TEXAS.

DALLAS—Wolff L. Mfg. Co.
EL PASO—Momsen-Dunnegan-Ryan Co.
**FORT WORTH—Axtell Co.**
W. D. Specialty Co.
HOUSTON—Keithly Co.
Nelson N. O. Co.
PARIS—Collins & Moore
**SAN ANTONIO—Standard Sanitary Mfg. Co. (Ahrens & Ott Div.)**

## UTAH.

SALT LAKE CITY—Crane Co. (of Chicago)
**Nelson Jos. Supply Co.**

## VERMONT.

**RUTLAND—Lincoln Iron Works**
ST. JOHNSBURY—Goss Supply Co.
WHITE RIVER JUNCTION—Shepard, Co., Inc.

## VIRGINIA.

CHARLOTTESVILLE—Thomas R. L. & Co., Inc.
**HAMPTON—Booker H. R. & Co.**
NORFOLK—Lum A. L. & Co.
Seaboard Supply Co.
Virginia-Carolina Supply Co.
RICHMOND—McGraw-Yarbrough Co.
Virginia-Carolina Supply Co.

## WASHINGTON.

**SEATTLE—Bowles Co., 107 Jackson**
**Crane Co. (of Chicago)**
SPOKANE—Arnold-Evans Co.
Crane Co. (of Chicago)
Holley-Mason Hardware Co.
Hughes & Co.
TACOMA—American Plumbing & Steam Supply Co., 1752 Pacific av
Crane Co. (of Chicago)
**Walsh & Gardner Co.**

## WEST VIRGINIA.

**CHARLESTON—Meyers Bros.**
WHEELING—Trimble & Lutz Supply Co.

## WISCONSIN.

GRAND RAPIDS—Hayden Supply Co.
**GREEN BAY—Murphy Supply Co.**
LA CROSSE—La Crosse Plumbing Supply Co.
**Roosevelt W. A. Co.**
MILWAUKEE—Dengel F. R. **Mfg. Co.,**
Fisher Specialty Co., 326 Ogden av
Hoffmann & Billings Mfg. Co., 100 2nd
McNally C. W. Co., 199 E Water
Rom Robt. Co., 1023 **St. Paul av**
**Rundle-Spence Mfg. Co., 63 2d**
**Wisconsin Plumbing & Heating Supply Co., 298 Reed**
**WAUSAU—Wisconsin River Supply Co.**

## 11256—Plumbers' Wood Work

**For Jobbers of this Trade see Plumbers' Supplies, Jobbers**

**Albright Mfg. Co. ("Albright") Rural Hall, N. C.**
**American Woodwork Mfg. Co. (White & Varnished), Evansville, Ind.**
**B R E Mfg. Co. ("B R E" Closet Seats & Tanks), Hyde Park, Mass.**
Becker Mfg. Co., The ("Hercules" Seat), Marietta, O.
**Berglas M. P. Mfg. Co., 10 Fulton, Brooklyn, N. Y.**
**Budde Mfg. Co., 4 Summer, San Francisco, Cal.**

Burlington Venetian Blind Co., Burlington, Vt.
Burrows Wm. Mfg. Co., 430 Kent av, Brooklyn, N. Y.
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Columbus Brass Co. ("Fibro" Seats & "Simplex" Tanks), 538 Dublin av, Columbus, O. *See adv index at end of book*
Concord Woodworking Co., Concord, N. H.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
Douglas Jno. Co., Carthage, Cincinnati, O.
Eichman J. C. Mfg. Co. ("Hammerlock"), Bush & Wicomico, Baltimore, Md.
Emery Wm. S. ("Non-Split"), 118 E 28th, New York
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Ferguson Supply Co., Grand Rapids, Mich.
Findeisen & Kropf Mfg. Co., 2559 W 21st, Chicago, Ill.
Heap Wm. & Sons (Seats, Tanks, Low-down Tanks, Export English Pattern), Grand Haven, Mich.
Ideal Mfg. Co. (Seats & Tanks), Franklin & Dubois, Detroit, Mich.
James Mfg. Co., Canton, Ohio
Knott Mfg. Co., Tell City, Ind.
Leclaire Cabinet Works, Edwardsville, Ill.
Leclaire Mfg. Co., Edwardsville, Ill.
McLane Mfg. Co., Milford, N. H.
Miller Chas. A. Co. (Seats & Tanks), Sturgis, Mich.
Never-Split Seat Co. ("Never-Split" Closet Seats), Evansville, Ind.
Olmstead-Thomson Mfg. Co., New Britain, Conn.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peerless Tank & Seat Works, Evansville, Ind.
Pfau Mfg. Co., Mentor & Huston, Norwood, Cincinnati, O.
Phila. Sheet Metal & Wood Works, 108 Reed, Phila., Pa.
Plumbers' Woodwork Co. ("Badger"), Algoma, Wis.
Plymouth Mfg. Co., Plymouth, Ind.
Raebeck & Zimtbaum, 16 Eckford, Brooklyn, N. Y.
Sherwood Brass Wks. ("Climax" Lock Joint), Detroit, Mich.
Shwab Bros. Co. ("Never-Break"), 311 E 9th, New York
Sillcocks-Miller Co. ("Celluvarno"), South Orange, N. J.
Standard Sanitary Mfg. Co. (Celluloid Covered & Plain Seats), Bessemer bldg, Pittsburgh, Pa.
Swain-Carpenter Co., 7th & Morris, Phila., Pa.
Thompson Mfg. Co., Holland, Mich.
Van Arnam Mfg. Co., Fort Wayne, Ind.

## 11256a— *Plumbing Parts

**WATERBURY MFG. CO.**, Waterbury, Conn.

## 11256b— Plumbs

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 11257—Plumes (Horse Hair)

Bevin Bros. Mfg. Co., E. Hampton, Conn.
Gem Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Wallace F. J. Co. (For Sleighs), Meriden, Conn.

## 11258— Plungers (Lime)

Emrich Phil., 824 Main, Cincinnati, O.

## 11259— Plungers (Pump)

Birdsboro Steel Foundry & Machine Co. (Chilled Iron, Ground & Finished), Birdsboro, Pa.
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Pollak Steel Co., Cincinnati, Ohio
Smith Jas. & Son (Leather), 40 Franklin av, Brooklyn, N. Y.
Stein John J. (Leather), 30 Clay, B'klyn, N. Y.

## 11260— Plushes

American Velvet Co. (Silk), Stonington, Conn.
Astoria Silk Works (Silk), 727 Steinway av, Long Island City, N. Y.
Baker A. T. & Co. (Coton & Mohair), Manayunk, Phila., Pa.
Baxter, Kelley & Faust (Cotton), 29 E 19th, New York
Blumenthal Sidney & Co. (Silk, Cotton & Mohair), Shelton, Conn.
Brookside Mills, Knoxville, Tenn.
Chase L. C. & Co. ("Goat" Brand Mohair Velvets), 89 Franklin, Boston, Mass. *See adv index at end of book*
Cheney Bros. (Silk Dress), So. Manchester, Conn.
Collins & Aikman Co. (Cotton, Linen, Mohair & Car), 4675 Nixon, Phila., Pa.
Contrexeville Mfg. Co. (Cotton, Flax & Jute), Manville, R. I.
Dobson J. & J. (Velvet, Silk, Mohair, Seal & Cotton Plushes), Falls Schuylkill, Phila., Pa.
Eagle Mills (Cotton), Woonsocket, R. I.
Genessee Textile Co. (Wool & Cotton), Rochester, N. Y.
Holyoke Plush Co., Holyoke, Mass.
Lees Daniel (Estate of) (Cotton Upholstery Velours), Glen Riddle, Pa.
Mass. Mohair Plush Co. (Mohair Car & Furniture), 200 Devonshire, Boston, Mass.
Mianus Mfg. Co. (Woolen for Cloakings, Shoes, Gloves, etc.), Coscob, Conn.
Oxford Plush Mills (Verona Plushes), Front & Oxford, Phila., Pa.
Pearson Fred & Co. (Verona Upholstery, Drapery, etc), Leverington & Wilde, Phila., Pa.
Peerless Plush Mfg. Co. (Cotton & Silk Upholstery, Mohair & Seal Mantile Plushes), Paterson, N. J.
Salt's Textile Mfg. Co. (Silk, Seal, Upholstery & Mohair), Bridgeport, Conn.
Sanford Mills (Mohair, Furniture, Car, etc), Sanford, Me.
Simon R. & H. Co. (Silk Dress), Town of Union, N. J.
Stroock Plush Co. (Moquettes & Plain Plush), Newburgh, N. Y.
Tingue Mfg. Co. (Mohair), Seymour, Conn.
Victoria Plush Mills (Silk), Swarthmore, Pa.

## 11260a—Plywood (Waterproof)

Haskelite Mfg. Corp., Chamber of Commerce bldg, Chicago, Ill.

## Pneumatic Air Hoists

See Pneumatic Hoists

## 11261— Pneumatic Ash Handling System

Green Engineering Co. ("Geco" for Power Plants), East Chicago, Ind.

## 11262—Pneumatic Baby Drillers

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.

## 11263—Pneumatic Beading Hammers

**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co. ("Crown," "Imperial" & "Little David"), 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis,
Oldham Geo. & Son Co., Tackawanna, Frankford, Phila., Pa.
Pittsburgh Pneumatic Co., Canton, O.

## 11263a—*Pneumatic Boiler Makers' Hammers

Ingersoll-Rand Co. ("Crown," "Imperial" & "Little David"), 11 B'way, New York *See adv index at end of book*

## 11264—Pneumatic Boiler Riveters

Allen John F. Co. (Percussion & Compression), 370 Gerard av, New York
Hanna Engineering Works ("Hanna"), 1764 Elston av, Chicago, Ill.

## 11265—Pneumatic Boiler Scaler

Dallett Thos. H. Co. ("Dallett"), 1301 Federal, Phila, Pa.

## 11266—Pneumatic Bolt Nippers

**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
Helwig Mfg. Co. ("Helwig" Portable), St. Paul, Minn.

## 11267-8-9—Pneumatic Breast Drills

**CHICAGO PNEUMATIC TOOL CO.** ("Litle Giant"), 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, Ohio
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Crown," "Imperial" & "Little David"), 11 B'way, New York *See adv index at end of book*

## Pneumatic Casting Cleaners

See Pneumatic Scaling Hammers

## Pneumatic Chain Hoists

See Pneumatic Hoists

## 11270—Pneumatic Chipping & Calking Hammers

**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 87th, Cleveland, O.
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
Delaware Tool Co., Wilmington, Del.
Hardsocg Wonder Drill Co. ("Wonder"), Ottumwa, Ia.
Helwig Mfg. Co. ("Helwig" & Beading), St. Paul, Mnn.
Independent Pneumatic Tool Co. ("Thor"), 600 W. Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Crown," "Imperial" & "Little David"), 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Oldham Geo. & Son Co., 4326 Tackawanna, Frankford, Phila., Pa.
Pittsburgh Pneumatic Co., Canton, O.

## 11270a—Pneumatic Chisel Blanks

**DELAWARE TOOL CO.**, Wilmington, Del.
Marchant Geo. F. Co., 1420 S Rockwell, Chicago, Ill.

## 11271—Pneumatic Compression Riveters

Allen John F. Co., 370 Gerard av, New York
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Slocomb F. F. & Co. ("Caskey"), 14th & Poplar, Wilmington, Del.

## Pneumatic Concrete Rammers

See Pneumatic Sand Rammers

## 11272—Pneumatic Corner Drills

**CHICAGO PNEUMATIC TOOL CO.** ("Little Giant"), 6 E 44th, New York
*See adv index at end of book*
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Ingersoll-Rand Co., 11 Broadway, New York. *See adv index at end of book*

## 11273—*Pneumatic Crane Motors

See also Pneumatic Motors

Ingersoll-Rand Co. ("Imperial," "Little Tugger"), 11 B'way, New York
*See adv index at end of book*

## Pneumatic Despatch Tubes

See Pneumatic Tubes

## 11274—Pneumatic Drift Bolt Drivers

**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co., 373 E 78th, Cleveland, O.

## 11275-6—Pneumatic Drills

**CHICAGO PNEUMATIC TOOL CO.** ("Little Giant," "Boyer"), 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. (Corner Drills), 3734 E. 78th, Cleveland, O.
Dallett Thos. H. Co., 1301 Federal, Phila., Pa.
Delaware Tool Co., Wilmington, Del.
Denver Rock Drill Mfg. Co. ("Waugh"), Denver, Colo.
Helwig Mfg. Co. ("Helwig," Reversible), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Crown," "Imperial" & "Little David"), 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.
**McKIERNAN-TERRY DRILL CO.,** 17 Park Row, New York
*See adv index at end of book*
Oldham Geo. & Son Co., 4326 Tackawanna, Frankford, Phila.. Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Shaw C. H. Pneumatic Tool Co., Denver, Colo.

## Pneumatic Feather Drills

See Pneumatic Plug Drillers

## 11277-8—Pneumatic Flue Cutters

See also Cutters, Flue

Union Machine Co., 183 University av, St. Paul, Minn.

## 11279—Pneumatic Flue Rollers

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor" Reversible), 600 W Jackson blvd, Chicago, Ill.
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Union Machine Co. (Ball Bearing), 183 University av, St. Paul, Minn.

## 11280—Pneumatic Flue Welders

See also Flue Welding Machines

Draper Mfg. Co. ("Draper Improved"), Port Huron, Mich.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## Pneumatic Forges

See Forges, Pneumatic

## 11281—Pneumatic Forging Hammers or Machines

Nazel Engineering & Machine Wks. ("Nazel"), 4049 N 5th, Phila., Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Sullivan Machinery Co., Peoples Gas bldg, Chicago, Ill.

## Pneumatic Foundry Rammers

See Pneumatic Sand Rammers

## Pneumatic Granite Cutters' Tools

See Pneumatic Stone Cutters' Tools

## 11282—Pneumatic Hammer Drills

Cleveland Rock Drill Co., 3734 E 78th, Cleveland, O.
Denver Rock Drill Mfg. Co. ("Waugh"), Denver, Colo.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
**INGERSOLL-RAND CO.** ("Bull Moose," "Jackhamer," "Leyner-Ingersoll," "Jackstoper" & "Butterfly"), 11 B'way, New York
*See adv index at end of book*
Sullivan Machinery Co. ("Sullivan"), Peoples Gas bldg, Chicago, Ill.
Whitcomb Geo. D. Co. ("Whitcomb"), Rochelle. Ill.

## 11283— Pneumatic Hammers

**CHICAGO PNEUMATIC TOOL CO.** "Boyer" Riveting & Chipping), 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co., 3734 E 78th, Cleveland, O.
Dallett Thos. H. Co. (Stone Workers), 1301 Federal, Phila, Pa.
Dayton Pneumatic Tool Co. ("Green" & "Dayton," "Greater Dayton," Dayton, O.
Helwig Mfg. Co. ("Helwig," for Chipping, Calking & Riveting), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL - RAND CO.** ("Imperial," "Crown" & "Little David"), 11 B'way, New York. *See adv index at end of book*
Leyner J. Geo. Engineering Works Co. (For Stone or Metal), Littleton, Colo.
Oldham Geo. & Son Co. (For Stone, Marble & Granite), 4326 Tackawanna, Frankford, Phila., Pa.
Pittsburgh Pneumatic Co., Canton, O.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Shaw C. H. Pneumatic Tool Co., Denver, Colo.

## 11284— Pneumatic Hoists

Abell-Howe Co., 332 S Michigan av, Chicago, Ill.
Blethen Hugh R., 21 Park Row, New York
**CHICAGO PNEUMATIC TOOL CO.** (Geared & Trolley Combined), 6 E 44th, New York
*See adv index at end of book*
Curtis & Co. Mfg. Co. (Vertical, Horizontal Traveling, etc), 1571 Kienlen av, St. Louis, Mo.
Dake Engine Co. (Chain or Wire Rope, Hook Type & Trolley Type), Grand Haven, Mich.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Hanna Engineering Wks. (I. M. S."), 1764 Elston av, Chicago, Ill.
Independent Pneumatic Tool Co., 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Imperial" & "Little Tugger"), 11 B'way, New York
*See adv index at end of book*
Leyner J. Geo. Engng. Wks. Co., Littleton, Colo.
**NORTHERN ENGINEERING WKS.,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Q. M. S. Co., 1771 Elston av, Chicago, Ill.
Ridgway Craig & Son Co.
Rix Compressed Air & Drill Co. (Mine), 505 Howard, San Francisco. Cal.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Union Iron Works, Spokane, Wash.
Weir & Craig Mfg. Co. (1 to 10 Ton), 6316 Wentworth av, Chicago, Ill.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Worthington Pump & Machinery Corp., 115 B'way, New York
*See adv index at end of book*

## 11285-6—Pneumatic Hose Couplings

**CHICAGO PNEUMATIC TOOL CO.** ("Chicago-Universal"), 6 E 44th, New York
*See adv index at end of book*
Clark W. J. Co. ("Quick-As-Wink"), Salem, O.
Cleveland Pneumatic Tool Co. ("Bowes"), 3734 E 78th, Cleveland, O.
Curtis & Co. Mfg. Co. ("Curtis"), 1571 Keinlen av, St. Louis, Mo.
Dallett Thos. H. Co. ("Dallett" Automatic), 1301 Federal, Phila., Pa.
Edwards H. D. & Co. ("Joy" Automatic), 16 Woodward av, Detroit, Mich.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Howell F. R. Brass Works, 122 N Franklin,( Phila., Pa.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Keller Pneumatic Tool Co. ("Thompson"), Fond du Lac, Wis.
Knox Mfg. Co., 821 Cherry, Phila., Pa.
Moran Flexible Steam Joint Co. (All Metal Flexible; also for Steam or Liquid), Louisville, Ky.
Morse A. J. & Son Inc., 221 High, Boston, Mass.
Mulconroy Co. ("Mulconroy" Couplings & Nipple), 54th & Jefferson, Phila., Pa.
Rauch Mfg. Co. ("Eureka," "Reliable"), Galena, Kansas
Wood Drill Works ("Wood"), Paterson, N. J.
Yarnall-Waring Co. (Swivel Joint, "Caskey-Simplex"), Harrison bldg., Phila., Pa.

## 11287—Pneumatic Jam Riveters

**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*
Hanna Engineering Works ("Hanna"), 1764 Elston av, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Little David"), 11 B'way, New York
*See adv index at end of book*

## 11288— Pneumatic Motors

**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 87th, Cleveland, O.
Dake Engine Co. (Reversible), Grand Haven, Mich.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Draper Mfg. Co. ("McGrath" for R. R. Turntables, etc), Port Huron, Mich.
Helwig Mfg. Co. ("Helwig" Reversible, Both End & Central Spindle for Metal & Wood Boring), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago. Ill.
**INGERSOLL-RAND CO.** ("Imperial" & "Little Tugger"), 11 B'way, New York
*See adv index at end of book*

## 11289—*Pneumatic Motors & Geared Pneumatic Hoists

**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*

PNEUMATIC MOTORS
—AND—
Geared Pneumatic Hoists
DETROIT HOIST & MACHINE CO
DETROIT, MICH.

## 11290—*Pneumatic Painting Machines

See also Paint & Whitewash Spraying Machines

**SPRAY ENGINEERING CO.** ("Spraco" Equipments), 93 Federal, Boston, Mass. *See adv index at end of book*

"SPRACO"
Pneumatic Painting Equipment
Shell Coating Machine for Shells, Auto Parts, etc.
SPRAY ENGINEERING CO.
93 Federal St.,
BOSTON, MASS.

## 11291—Pneumatic Pile Drivers

Browning Co. (Railroad Car), E 162d & Waterloo rd N E, Cleveland, Ohio
**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York Ill. *See adv index at end of book*
**INGERSOLL-RAND CO.** (Sheet), 11 B'way, New York
*See adv index at end of book*
Leyner J. Geo. Engineering Works Co., Littleton, Col.
McKiernan Terry Drill Co. (Sheet), 15 Park Row bldg, New York
Oldham Geo. & Son Co., 4326 Tackawanna, Frankford, Phila.. Pa.

## 11292—Pneumatic Piston Drills

**CHICAGO PNEUMATIC TOOL CO.** ("Little Giant," "Boyer"), 6 E 44th, New York. *See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland" Four Piston), 3734 E 78th, Cleveland, O.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor" Air), 600 W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co. ("Imperial" & "Little David"), 11 B'way, New York
*See adv index at end of book*
Pittsburgh Pneumatic Co., Canton, O.

## 11293—Pneumatic Plug Drillers

Cleveland Rock Drill Co., 3734 E 78th, Cleveland, O.
Dallett Thos. H. Co., 1301 Federal, Phila., Pa.
Delaware Tool Co., Wilmington, Del.
Denver Rock Drill Mfg. Co. ("Waugh"), Denver, Colo.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
**INGERSOLL-RAND CO.** ("Butterfly," "Imperial," "Jackhamer," "Bull Moose," "Invincible"), 11 B'way, New York
*See adv index at end of book*
Shaw C. H. Pneumatic Tool Co., Denver, Colo.

## 11294—Pneumatic Presses

Slocomb F. F. & Co. ("Caskey"), 14th & Poplar, Wilmington, Del.
Springfield Machine Tool Co. (Intensifying), Springfield, O.

## 11295—Pneumatic Pumping Systems

See also Pneumatic Water Supply System; also Pumps, Pneumatic
**FABRICATED STEEL PRODUCTS CORP.**, Box 505, Leetonia, Ohio
*See adv index at end of book*
**INGERSOLL-RAND CO.** (Air Lift & Return-Air), 11 B'way, New York
*See adv index at end of book*
Van Nouhuys Machine Works, Albany, N. Y.

## 11296— Pneumatic Punches

Hanna Engineering Works (Portable), 1764 Elston av, Chicago, Ill.
Slocomb F. F. & Co. ("Caskey" Portable), 14th & Poplar, Wilmington, Del.

## 11297—Pneumatic Reaming & Tapping Drills

**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 87th, Cleveland, O.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor" Reversible), 600 W Jackson blvd, Chicago, Ill.
Ingersoll-Rand Co. ("Crown," "Imperial" & "Little David"), 11 B'way, New York *See adv index at end of book*

## 11298—Pneumatic Reaming & Tapping Motors

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Keller Pneumatic Tool Co., Fond du Lac, Wis.

## 11299—Pneumatic Rivet Holder-On

**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 87th, Cleveland, O.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
**INGERSOLL-RAND CO.** ("Little David"), 11 B'way, New York
*See adv index at end of book*
Pittsburgh Pneumatic Co., Canton, O.

## 11300— Pneumatic Rivet Sets

California Tool Works, 181 Beale, San Francisco
**Cleveland Punch & Shear Works Co., 8921 St. Clair av, N E Cleveland, O.**
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Scully Steel & Iron Co., New Continental & Commercial Bank bldg, Chicago, Ill.

## 11301— Pneumatic Riveters

See also Hammers, Riveting
**ALLEN JNO. F. CO.** (Percussion & Compression), 370 Gerard av, New York
Chambersburg Engineering Co. (Heavy), Chambersburg, Pa.
**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland" Pocket-in-head), 3734 E. 78th, Cleveland, O.
Dayton Pneumatic Tool Co., Dayton, O.
Delaware Tool Co., Wilmington, Del.
Grant Mfg. & Machine Co. ("Grant"), Bridgeport, Conn.
Hanna Engineering Works ("Hanna," Hydro-Pneu & Plain Toggle), 1764 Elston av, Chicago, Ill.
Hardsocg Wonder Drill Co. ("Wonder" for Boilers, Tanks, etc), Ottumwa, Ia.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Little David," "Imperial" & "Crown"), 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Oldham Geo. & Son Co., 4326 Tackawanna, Frankford, Phila.. Pa.
Pittsburgh Pneumatic Co., Canton, O.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell. Chicago, Ill.
*See adv index at end of book*
Slocomb F. F. & Co. ("Caskey"), 14th & Poplar, Wilmington, Del.
Watson-Stillman Co., 38 Church, New York *See adv index at end of book*

## 11302—Pneumatic Rock Drills

See also Pneumatic Plug Drillers
**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
Cleveland Rock Drill Co., 3734 E 78th, Cleveland, O.
Cochise Machine Co., Los Angeles, Cal.
Denver Rock Drill Mfg. Co. ("Waugh"), Denver, Colo.
Hardsocg Wonder Drill Co. ("Hardsocg," "Wonder"), Ottumwa, Ia.
**INGERSOLL-RAND CO.** ("Sergeant," "Little Giant," "Butterfly" & "Leyner-Ingersoll"), 11 B'way, New York
*See adv index at end of book*
Leyner J. Geo. Engineering Works Co. ("Leyner"), Littleton, Colo.
Mine & Smelter Supply Co. ("Holman"), 42 B'way, New York
Shaw C. H., Pneumatic Tool Co. ("Shaw," "Eclipse" Air Hammer), Denver, Col.
Wickes Machinery Co. ("Murphy's" Little Champion), Jersey City, N. J.
Wood Drill Works, Paterson, N. J.

## 11303—Pneumatic Rotary Drills

Cleveland Pneumatic Tool Co. ("Cleveland" Breast), 3734 E 78th, Cleveland, O.
Ingersoll-Rand Co. ("Crown," "Imperial," "Little David"), 11 B'way, New York
*See adv index at end of book*

## 11304-5—Pneumatic Sand Rammers

See also Rammers, Foundry
**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co., 3734 E 78th. Cleveland, O.
Dayton Pneumatic Tool Co., Dayton, O.
Independent Pneumatic Tool Co. ("Thor") 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Crown"), 11 B'way, New York
*See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Pittsburgh Pneumatic Co., Canton, O.

## Pneumatic Sand Sifters

See Sifters, Sand, with the Word "Pneumatic" Following the Names

## 11306—Pneumatic Scaling Hammers

For Scaling Castings, Etc
**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, O.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Crown," "Imperial," "Little David"), 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.

## 11307—Pneumatic Staybolt Breakers

Reliance Mach. & Tool Wks., Charming & Franklin avs, St. Louis, Mo.

## 11308—Pneumatic Staybolt Clippers

Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.

## 11309-10—Pneumatic Staybolt Cutters

See also Cutters, Staybolt
**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Reliance Machine & Tool Works, Charming & Franklin avs, St. Louis

## Pneumatic Staybolt Nippers

See Pneumatic Bolt Nippers

## 11311—Pneumatic Stone Carving Tools

**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*
Dallett Thos. H. Co., 1301 Federal, Phila., Pa.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Oldham Geo. & Son Co., 4326 Tackawanna, Frankford, Phila.. Pa.
Trow & Holden Co., Barre, Vt.

## 11312—Pneumatic Stone Cutters' Tools

**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*
Dallett Thos. H. Co., 1301 Federal, Phila., Pa.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Oldham Geo. & Son Co., 4326 Tackawanna, Frankford, Phila.. Pa.
Trow & Holden Co. ("Barre"), Barre, Vt.

## 11313—Pneumatic Stone Surfacing Machines

**CHICAGO PNEUMATIC TOOL CO.** ("Boyer"), 6 E 44th, New York
*See adv index at end of book*
Dallett Thos. H. Co., 1301 Federal, Phila., Pa.
Livingston Mfg. Co., Rockland, Me.
Oldham Geo. & Son Co. (Portable), 4326 Tackawanna, Frankford, Phila., Pa.
Trow & Holden Co., Barre, Vt.

## 11314—*Pneumatic Tool Appliances

**CHICAGO PNEUMATIC TOOL CO.**, 6 E, 44th, New York
*See adv index at end of book*

## 11315—Pneumatic Tool Lubricants

Cleveland Pneumatic Tool Co. ("Cleveland" "Never-Gum"), 3734 E 78th av, Cleveland, O.
Houghton E. F. & Co., 240 W. Somerset, Phila, Pa.
Zurn O. F. Co. ("Pneuoxyum"), Broad & Lehigh, Phila., Pa.

## 11316—Pneumatic Tool Lubricators

Carron A. M. Machine Co. ("Pittsburgh"), Penn & Barbeau, Pittsburgh, Pa.
**CHICAGO PNEUMATIC TOOL CO.**, 6 E, 44th, New York
*See adv index at end of book*

## 11317— Pneumatic Tools

Atlas Engng. Co., Lincoln, N. J.
**CHICAGO PNEUMATIC TOOL CO.**, 6 E, 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, Ohio
Dallett Thos. H. Co., 1301 Federal, Phila., Pa.
Dayton Pneumatic Tool Co. ("Green" & "Dayton"), Dayton, O.
Delaware Tool Co., Wilmington, Del.
Dopp J. W. & Co. (Dealers), 18 W. Columbia, Detroit, Mich.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor"), 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Crown," "Imperial" & "Little David"), 11 B'way, New York *See adv index at end of book*
Iron City Tool Works Ltd. (Chisels & Blanks), 3201 Smallman, Pittsburgh, Pa.
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Kotten Machine Co., Bergen & Kearney av, Jersey City, N. J.
Livingston Mfg. Co., Rockland, Me.
Manitowoc Ship Bldg Co. ("Gunnell" Holder Ons.), Manitowoc, Wis.
Monarch Pneumatic Tool Co. ("Monarch"), E St. Louis, Ill.
Oldham Geo. & Son Co., 4326 Tackawanna, Frankford, Phila.. Pa.
Pittsburgh Pneumatic Co., 900 Lawrence rd, Canton, O.
Schramm Chris. D. & Sons Inc., 709 Arch, Phila., Pa.
Shaw C. H. Pneumatic Tool Co., Denver, Col.
Slocomb F. F. & Co. (Punches and Riveters), 14th & Popular), Wilmington, Del.

## Pneumatic Trolley Hoists

See Pneumatic Hoists

## 11318— Pneumatic Tubes

American Pneumatic Service Co., 100 Boylston, Boston, Mass.
American Tube Works (Seamless Drawn Brass & Copper), 10 Oliver, Boston, Mass.
**LAMSON CO.**, 100 Boylston, Boston, Mass.
Perfection Tire & Rubber Co. (Tire), Fort Madison, Ia.
Pneumatic Transit Co., 926 Columbia, Phila., Pa.
Standard Store Service, Inc., Hartford, Conn.
Universal Tube Co., 321 W Ohio, Chicago, Ill.

## 11319—Pneumatic Tubes & Caissons for Bridge Piers

Builders Iron Foundry ("Builders"), 9 Codding, Providence, R. I.

## 11320—Pneumatic Water Supply Systems

See also Pneumatic Pumping Systems

Andrews Heating Co. ("Andrew's Air Pressure, Minneapolis, Minn.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Bennett Bros. Co. ("Ideal), Lowell, Mass.
Butler Co., Butler, Ind.
Carter Ralph B. Co., 152 Chambers, New York
Celina Mfg. Co., Celina, O.
**CHICAGO BRIDGE & IRON WORKS**, 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
**DEMING CO.** (Hydro-pneumatic), Salem, Ohio
*See adv index at end of book*
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fleck Bros. Co. ("Neptune"), 44 N 5th, Phila., Pa.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Goulds Mfg. Co., Seneca Falls, N. Y.
Heller-Aller Co., Napoleon, O.
Illinois Pump & Brass Co. ("Nocost," Perfect Duplex), Peoria, Ill.
Ingersoll-Rand Co. (Air Lift), 11 B'way, New York *See adv index at end of book*
Leader Iron Works ("Leader" Water Systems), Decatur, Ill.
Luitwieler Pumping Engine Co., Rochester, N. Y.
Lunt-Moss Co., 43 So Market, Boston, Mass.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Murphy & Walsh, Pekin, Ill.
National Steel Tank & Mfg. Co. ("National"), Bradford, Ill.
Pacific Pump & Supply Co. (Jobbers), 853 Folsom, San Francisco, Cal.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Quick & Thomas Co., Auburn, N. Y.
**SCAIFE WM. B. & SONS CO.** (& Tanks), First Nat. Bk. bldg., Pittsburgh, Pa.
*See adv index at end of book*
Sloan Samuel & Co. ("Superior"), Rochester, N. Y.
Weber Subterranean Pump Co., 50 E 42d, New York
Woodmanse Mfg. Co., Freeport, Ill.

## 11321-2—Pneumatic Winches

**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*

## Pneumatic Winding Drums

**See Drums, Winding**

## 11323—Pneumatic Wood Boring Machines

**CHICAGO PNEUMATIC TOOL CO.** ("Little Giant"), 6 E 44th, New York
*See adv index at end of book*
Cleveland Pneumatic Tool Co. ("Cleveland"), 3734 E 78th, Cleveland, Ohio
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Independent Pneumatic Tool Co. ("Thor" Reversible), 600 W Jackson blvd, Chicago, Ill.
**INGERSOLL-RAND CO.** ("Crown," "Imperial," "Little David"), 11 B'way, New York *See adv index at end of book*
Keller Pneumatic Tool Co., Fond du Lac, Wis.

## 11324—Pneumatic Wood Carving Tools

Dallett Thos. H. Co. ("Dallett"), 1301 Federal, Phila, Pa.

## 11325—Pneumatic Yoke Riveters

**CHICAGO PNEUMATIC TOOL CO.**, 6 E 44th, New York
*See adv index at end of book*
Hanna Engineering Works ("Hanna" Plain Toggle), 1764 Elston av, Chicago, Ill.

## 11325a— Pneumercators

Pneumercator Co. Inc., 15 Park Row, New York

## 11326— Poachers (Egg)

Columbian Enameling & Stamping Co., Terre Haute, Ind.
Lalance & Gosjean Mfg. Co., 299 B'way, New York
Republic Metalware Co. The ("Buffalo" Steam), Buffalo, N. Y.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.

## 11327—Pocket Book & Bag Frames

Diffany & Co. (Silver), 436 Mulberry, Newark, N. J.
Eastern Tool & Mfg. Co. (Hand-Bag Trimmings), Bloomfield av, Bloomfield, N. J.
Goertz Aug. & Co., 276 Morris av, Newark, N. J.
Havell Mfg. Co., 284 Washington, Newark, N. J.
Mergott J. E. Co., 366 Jelliff av, Newark, N. J.
Osborn J. K. Manfg. Co., Harrison, N. J.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 11328— Pockets (Coal)

Bergen Point Iron Wks., Bayonne, N. J.
Craine Silo, Inc., Norwich, N. Y.
Dempcy-Degener Co., 307 4th av, Pittsburgh, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Hendrick Mfg. Co., Carbondale, Pa.
Howe Scale Co. of Illinois, 1315 S. Wabash av, Chicago, Ill.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**LINK-BELT CO.**, 329 W 39th, Chicago, Il., & Hunting Park av & P. & R Ry, Phila., Pa. *See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Mobile Steel Co., Mobile, Ala.

## 11329—Pockets (Cotton Waste)

Knapp Mfg. & Supply Co., 241 Water, New York

## 11330— Pockets (Draw Bar)

Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 11331— Pockets (Drip)

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

## 11332—Pockets (Sliding Door)

National Supply & Mfg. Co., 2362 Palm, St. Louis, Mo.

## 11333— Pockets (Stake)

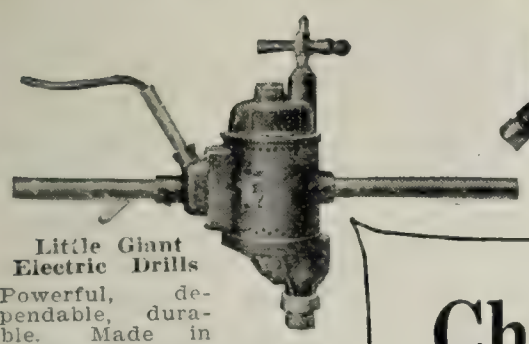
Richards-Wilcox Mfg. Co. ("Richards" Steel), Aurora, Ill.

## 11333a— Pockets (Wall)

American Wall Pocket Mfg. Co., 1021 Main, Buffalo, N. Y.
Ellery Jos. E., 381 4th av, New York
Hagelberg W. Inc., 5 E 17th, New York
Harder & Boesenberg, 377 B'way, New York
Metropolitan Imptg. & Mfg. Co. 304 E 23rd, New York
Osterman H. G. Co., 29 B'way, New York
Rose Co., 804-6-8 Sansome, Phila., Pa.
Walcutt Bros. Co., 141-155 E 25th, New York
Wall Pocket Impt'g Co., 304-310 E 23d, New York

## 11333b—*Poidometer Mfrs.

Harder Ad & Bresenberg, 377 B'way, New York
**SCHAFFER ENGINEERING & EQUIPMENT CO., THE**, Peoples Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*



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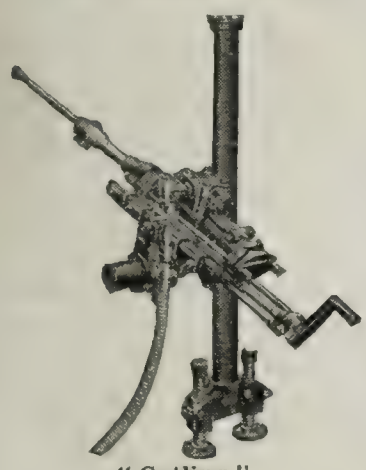
Powerful, dependable, durable. Made in many sizes for operation on A. C., D. C. or "Universal" current.

**Little Giant Portable Electric Grinders**

Made in several sizes for operation on either A. C., D. C. or "Universal" current.



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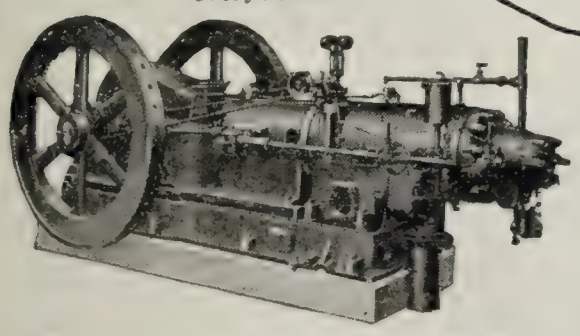
A one-man piston drill combining dependability, high speed, ease of control and quick portability.

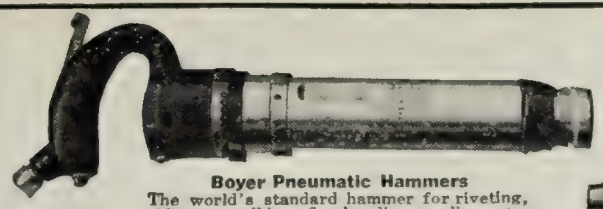
**"Hummer" Rock Drills**

"The drill with a punch without a kick." A smooth working, hard-hitting drill of wide popularity everywhere.



**Giant Fuel Oil, Gas and Steam Engines**

Made in both single and duplex types. Capacities from 12 to 200 H. P.



**Boyer Pneumatic Hammers**

The world's standard hammer for riveting, chipping, calking, flue beading, scaling, etc.

# Chicago Pneumatic

*Depend upon that Name*

FOR over 25 years the name "Chicago Pneumatic" has symbolized leadership in the portable tool and allied machinery industry. Wherever you find Chicago Pneumatic products you will find satisfied customers.

The Company's engineering cooperation and distribution facilities are rendered world-wide in scope by branches in all civilized countries. Prompt service is assured not only by the ample production capacity of six American and two foreign plants, but by large stocks of complete products and renewal parts therefor, carried at most branches.

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6 East 44th Street, New York, U. S. A.

*Sales and Service Branches All Over the World*

**(For list see Index to Advertisers)**

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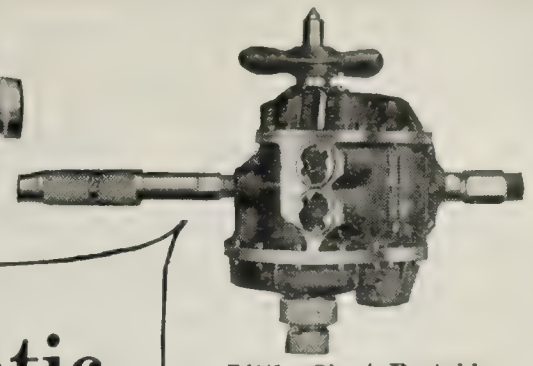


**Little Giant Portable Air Drills**

Made in a complete line for drilling, reaming, tapping, screw and bolt setting, wood boring, etc.

**Little Giant Portable Pneumatic Grinders**

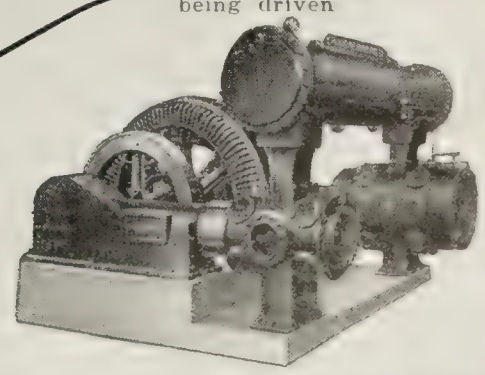
Easy to handle and control, economical to operate. Made in a complete line.

**Little Giant Pneumatic Hoists**

Made in capacities from 1 to 10 tons, both, portable and trolley mounted types.

**Boyer Holder-Ons**

A handy labor-saving device for holding rivets in place by pneumatic pressure while they are being driven



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Made in over 300 sizes and styles—stationary, portable and semi-portable types.

### 11334—*Pointers (Blackboard)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

### Pointers (Bolt)

See Machines, Bolt Pointing

### 11335— Pointers (Dowel)

**Braunsdorf-Mueller Co., Elizabeth, N. J.**
**Cincinnati Tool Co. ("Hargrave's"), Norwood, Cincinnati, O.**
*See adv index at end of book*

### 11336— Pointers (Spoke)

See also Trimmers, Spoke

**Buckeye Mfg. & Fdy. Co., 2046 W 55th, Cleveland, O.**
**Cincinnati Tool Co. ("Hargrave's"), Norwood, Cincinnati, O.**
*See adv index at end of book*
**Southington Mfg. Co., Southington, Conn.**
Swan Jas. Co., Seymour, Conn.
**Wood A. A. & Sons Co., Atlanta, Ga.**

### 11337— Pointers (Wire)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Vaughn Machinery Co., Cuyahoga Falls, Ohio *See adv index at end of book*
Welch T. F. Co., 55 Sudbury, Boston, Mass.

### Points (Carbon)

See Tools, Diamond

### 11337a—Points (Contact & Sparking)

**American Platinum Works ,Platinum for Spark Coils), 231 & N. J. R. R. av, Newark, N. J.**
**Baker & Co (Platinum for Gas & Gasoline Engines), 54 Austin, Newark, N. J.**
**Bender Hy. (Platinum), 42 Walnut, Newark, N. J.**
**Fansteel Products Co. (Tungsten), 215 N Michigan av, Chicago, Ill.**
**New Era Spring & Specialty Co., Detroit, Mich.**
**Niehoff Paul G. & Co., 232 E Ohio, Chicago, Ill.**
**Pfanstiehl Co. (Tungsten & Molybdenum), No. Chicago, Ill.**
**Wilson H. A. Co., 97 Chest, Newark, N. J.**
**Woodside Electric'l Shops Co., Metuchen, N. J.**

### 11338— Points (Cultivator)

See also Points, Plow

Harrow Spring Co., Milwaukee, Wis. Works: Kalamazoo, Mich.
**Henry & Allen, Auburn, N. Y.**
**Mason F. C. & Co. (Spring Tooth, Single & Double Pointed), St. Johns, Mich.**

### 11338a—*Points (Dental Polishing)

**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*

### 11339— Points (Drill)

**Chicago Expansion Bolt Co. ("Chicago"), 324 W Washington, Chicago, Ill.**
**Goodell-Pratt Co. (Plain or Fluted Shank), Greenfield, Mass.**
**Millers Falls Co. (For Hand Drills), Millers Falls, Mass.**
**Union Twist Drill Co. (Guiding Drill Points), Athol, Mass.**

### 11340— Points (Drive Well)

**Flint & Walling Mfg. Co., Kendallville, Ind.**
**Gowanda Agricultural Works, Gowanda, N. Y.**
**McEvoy J. H. & Co., Houston, Tex.**
**Mark Mfg. Co., Evanston, Ill.**
**Stancliff Well Screen & Mfg. Co., Houston, Texas**

### 11341— Points (Glazier's)

**Atlas Tack Co., Fairhaven, Mass.**
**Austin & Eddy ("Peerless"), 117 Broad, Boston, Mass.**
**Dreer Henry A. ("Dreer's Peerless"), 714 Chestnut, Phila., Pa.**
**Holland Mfg. Co. (Zinc), Central av & Bank, Baltimore, Md.**
**Hubbard & McClary, Windsor, Vt.**
**Maze W. H. Co. ("Zinc City"), Peru, Ill.**
**National Sheet Metal Co. (Zinc & Galvanized), Peru, Ill.**
**Penn Tack Co., Norristown, Pa.**
**Phillips E. & Sons, South Hanover, Mass.**
**Shelton Tack Co., Shelton, Conn.**
*See adv index at end of book*

### 11342— Points (Grain Drill)

**Cambria Steel Co., Widener bldg, Phila., Pa.**
**Crescent Forge & Shovel Co., Havana, Ill.**
**Empire Plow Co., 3140 65th, Cleveland, O.**
**Herschel R. Mfg. Co., Peoria, Ill.**
**Mason F. C. & Co., St. Johns, Mich.**
**Noll Bros., 849 Allis, Milwaukee, Wis.**

### 11343-4— Points (Harrow)

**American Knife Co. (Reversible & Detachable), Baldwinsville, N. Y.**
**Henry & Allen (Harrow Teeth Reversible), Auburn, N. Y.**

### 11345-6—Points (Linoleum)

**Maze W. H. Co. ("Zinc City" Steel), Peru, Ill.**

### 11347-8—Points (Picture Frame)

**Maze W. H. Co. (Steel), Peru, Ill.**
**Parker Wire Goods Co., Worcester, Mass.**
**Shelton Tack Co., Shelton, Conn.**
**Thompson & Norris Co., The (Corrugated), 212 Concord, Brooklyn, N. Y.**

### 11349— Points (Plow)

See also Points, Cultivator

**McMaster R. C., Adamsville, Pa.**
**Moore Plow & Implement Co. ("Moore"), Greenville, Mich.**

### 11350— Points (Seeder)

**Noll Bros., 849 Allis, Milwaukee, Wis.**

### 11350a—*Points (Sparking Nickel)

**WILLIAMS & CO., INC.** 901-937 Pennsylvania av, N S, Pittsburgh, Pa.
*See adv index at end of book*

### Points (Stone Cutters')

See Chisels, Stone Cutters'

### 11351— Points (Switch)

**Bethlehem Steel Co. ("Manard"), S Bethlehem, Pa.**
**Cincinnati Frog & Switch Co., Cincinnati, O.** *See adv index at end of book*

Established 1905
THE CINCINNATI FROG & SWITCH CO.
Cincinnati, Ohio

**Economy Separable Switch Point Co. ("Economy" Separable Manganese & Open Hearth Steel), Louisville, Ky.**
**Frog Switch & Mfg. Co. (Open Hearth), Carlisle, Pa.**
**Wharton Wm. Jr. & Co., Inc. (Plain & "Tisco" Manganese, Steel Tipped), Easton, Pa.**

### 11352— Points (Trammel)

**Disston Henry & Sons, Tacony, Phila., Pa.**
**Goodell-Pratt Co., Greenfield, Mass.**
**Stanley Rule & Level Co., New Britain, Conn.**
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

### Points (Well)

See Points, Drive Well

### 11353— Poker Chips

**American Hard Rubber Co. (Rubber), 9 Mercer, New York**
**Celluloid Co. (Celluloid), 36 Washington pl, New York**
**Dennison Mfg. Co., 26 Franklin, Boston, Mass**
**Electrose Mfg. Co. ("Electrose"), 70 Washington, Brooklyn, N. Y.**
**Goodrich B. F. Co. (Soft Rubber), Akron, Ohio**
**Ivoryboid Co. Inc. ("Ivoryboid," "Ace Brand"), 200 5th av, New York**
**Kyoto Mfg. & Trading Co., 31 E 17th, New York**
**Waterbury Button Corporation, 831 S Main, Waterbury, Conn.**
*See adv index at end of book*

### 11354— Pokers (Stove)

**Adams Co. (& Furnace), Dubuque, Ia.**
**Arcade Mfg. Co. ("Siberian" & "Serpentine"), Freeport, Ill.**
**Auer John, Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.**
**Cassady Fairbank Mfg. Co. ("Star," Perforated Handle; also Wire & Wood Handles), 6126 S La Salle, Chicago, Ill.**
**Central Stamping Co., 174 Fulton, New York**
**Dover Stamping & Mfg. Co., Cambridge, Mass.**
**Fanner Mfg. Co. ("Arctic," Wire & Loop Handle), Cleveland, O.**
**Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.**
**Lalance & Grosjean Mfg. Co., 299 B'way, New York**
**Lynd L. E. Mfg. Co. ("Zero"), Mechanicsville, N. Y.**
**Pfeifer John & Co. (Ltd.), 222 Race, Phila., Pa.**
**Stover Mfg. & Engine Co. ("Ideal" Wire Handle; also Furnace Pokers), Freeport, Ill.**
**Troy Nickel Works, Albany, N. Y.**
**Wehrle Co., Newark, O.**
**Wickwire, Spencer Steel Corp. ("Eclipse"), Worcester, Mass.**
*See adv index at end of book*
**Wire Goods Co., Worcester, Mass.**

### 11355— Pokes (Animal)

**Ely Theo. J. Mfg. Co. (Horse), Girard, Pa.**
**Hughes & Smythe ("Galena," "Never-Fail," "Victor"), Galena, O.**
**Lansing Co. ("Herbert" Horse), Lansing, Mich.**
**Osmundson Spade Mfg. Co. ("Norwegian" Steel), Perry, Ia.**
**Weathers Poke Co., Windsor, Mo.**
**Wire Goods Co., Worcester, Mass.**

### 11356-7— Pole-Crabs

**Cowles C. & Co., New Haven, Conn.**
**English & Mersick Co., New Haven, Conn.**
**Rounds D. & Son, Penn R. R. & Henry, Cleveland, O.**
**Woodruff Walter W. & Sons Co., Mount Carmel, Conn.**

### Poles (Arc Lamp)

See Poles, Iron & Steel

### 11358—Poles (Awning, Tent, Etc.)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Empire Ladder & Pole Co., 154 1st, Newark, N. J. *See adv index at end of book .*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
Ransome Concrete Machinery Co., Dunellen, N. J.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass.
*See adv index at end of book*
Stevenson Mfg. Co. (Wood), South Bend, Ind.

### 11359— Poles (Barbers')

**Barker Jas., 6th & Cayuga, Phila., Pa.**
**Chisholm Co., 178 Center, New York**
**Koken Barbers' Supply Co., Sidney & Texas, St. Louis, Mo.**
**Schunk & Ogg, 235 Canal, New York**

### Poles (Carriage & Wagon)

See Shafts & Poles, Carriage & Wagon

## 11360—Poles (Cement & Concrete)

American Steel & Wire Co. (Triangle Mesh), 208 S La Salle, Chicago, Ill.
Chicago Concrete Post Co., 608 S Dearborn, Chicago, Ill.
Edgcumbe-Parks Co., Benton Harbor, Mich.
Great Lakes Dredge & Dock Co. (Concrete Poles), 104 S Michigan av, Chicago, Ill.
Pettijohn Co., Terre Haute, Ind.
Valentine J. E., Abilene, Kans.

## Poles (Creosoted)

See Creosoting Works

## 11361— Poles (Cross Span)

Archbold-Brady Co. (For Electric Railways), Syracuse, N. Y.
Electric Railway Equipment Co., Cincinnati, Ohio

## 11362— Poles (Curtain)

Berbecker & Rowland Mfg. Co. (Brass, also Trimmings), Waterville, Conn.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Gravely B. F. & R. P. (Wood), Martinsville, Va.
Guth Mfg. Co., 116 E 24th, New York
Judd H. L. Co. (Wood), 87 Chambers, New York
Kolar Bros. (Wood), 9 Baxter, New York
Kroder Jno. & Henry, Reubel Co. (Brass & Wood Poles & Trimmings), 107 E 17th, New York
Roos Mfg. Co. (Wood), 967 W 20th, Chicago, Ill.
Stevenson Mfg. Co. (Drapery), South Bend, Ind. *See adv index at end of book*
Stewart G. S. Co. (Wood), Norwalk, O.
Webb Mfg. Co. (Wood), Brookville, Pa.

## 11363— Poles (Engine Push)

Ransome Concrete Machinery Co., Dunellen, N. J.

## 11364— Poles (Fishing)

See also Rods, Fishing

American Mercantile Co. (Bamboo & Cane), Tacoma, Wash.
Benneche Edw. & Bro. (Bamboo & Cane), 43 Gt. Jones, New York
Maus Geo. H. (Japan Bamboo), Amsterdam, N. Y.
Pollak Steel Co. (Oil Well), Cincinnati, O.
Whitney Jas. E. (Bamboo & Cane), 88 Broad, Boston, Mass.

## 11365—Poles (Flag, Iron & Steel)

CHICAGO STEEL POST CO. (Transmission), 209 N Michigan av, Chicago, Ill.
Cincinnati Flag Pole Co. (Tilting Steel), Bond Hill, Cincinnati, O.
Columbiana Boiler Co., Columbiana, O.
Electric Railway Equipment Co., Cincinnati, Ohio
Franklin Steel Works ("Tripartite," "Triangulate"), Franklin, Pa.
Greenlie-Halliday Co., 499 Water, New York
Jones Thomas W. (Also Fittings), 153 Maiden la, New York
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Meyers Fred J. Mfg. Co., Hamilton, O. *See adv index at end of book*
Milliken Bros., Staten Island, N. Y.
Morris Elmer P. Iron Works, 136 Liberty, New York
National Tube Co., Frick bldg, Pittsburgh, Pa.
PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Pittsburgh Trolley & Forge Co., Pittsburgh, Pa.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
St. Louis Car Wheel Co., St. Louis, Mo.
SIMMONS JOHN CO., 110 Centre, New York *See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
Stover Mfg. & Engine Co. ("Ideal" Galvanized Steel Towers), Freeport, Ill.
TYLER W. S. CO., Cleveland, O. *See adv index at end of book*
Walworth Mfg. Co. ("Walworth" Revolving Top, Steel), 798 1st, Boston, Mass.
Wisconsin Bridge & Iron Co., N. Milwaukee, Wis.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## 11366— Poles (Flag, Wood)

Boston Oregon Mast Co., 131 Coleridge, E Boston, Mass.
Brinser E. C. Sons, Richmond, Va.
Chesebro, Whitman Co., 1167 1st av, New York
Corbett & Co., 429 E 109th, New York
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Kolar Bros., 9 Baxter, New York
National Mill & Lumber Co., 5th & Bryant, San Francisco, Cal.
Portland Extension Ladder Co. (and Steel), 130 Orange, Newark, N. J.
Reilley Bros. Ladder Co., 324 W 41st, New York
Sanders Bros. Mfg. Co., Ottawa, Ill.
Serfas Lumber Co., Drake bldg, Easton, Cal.
Stevenson Mfg. Co. (Also Iron & Steel), South Bend, Ind. *See adv index at end of book*
Union Spar Co., Gloucester, Mass.

## 11367— Poles (Iron & Steel)

For Street Railways & Electric Lights; see also Posts, Arc Lamp; for Wooden Poles, see Ties, Poles & Posts
American Bridge Co., 30 Church, New York
Bates Expanded Steel Truss Co., 208 S La Salle, Chicago, Ill.
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Brady Electric Mfg. Co. (Ornamental Arc Lamp with Gooseneck), New Britain, Conn.
Carbo Steel Products Co. (Steel Angle), 2600 W 111th Morgan Park Station, Chicago, Ill.
Chicago Steel Post Co. (Transmission), 208 209 N Michigan av, Chicago, Ill.
Coombs R. D. & Co. (Steel Only), 30 Church, New York
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Diamond Steel Pole Co., Land Title bldg, Phila., Pa.
Electric Railway Equipment Co. (Wire-Locked Swedged Joint Tubular), Cincinnati, O.
Franklin Steel Works ("Tripartite," "Triangulate," Steel, Trolley, Power Transmissions and all Overhead Construction), Franklin, Pa.
Lundin Electric & Machine Co. (Ornamental Goose Neck), 10 Thatcher, Milwaukee, Wis.
Milwaukee Steel Post Co. (Removable Steel Flag Staffs), 510 Iron blk, Boston, Mass.
Mott J. L. Iron Works (Ornamental), Trenton
Morris Elmer P Iron Works, 136 Liberty, New York.
National Tube Co., Frick bldg, Pittsburg, Pa.
PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Serfas Lumber Co. (Wood Only), Drake bldg, Easton, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Vulcan Mfg. Co., 1200 4th av, S Seattle, Wash.

## Poles (Lamp)

See Posts, Lamp, Arc & Tungsten

## 11368— Poles (Pike)

See also Tools, Logging

American Logging Tool Co., Evart, Mich.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Columbus Handle & Tool Co. ('Never Break"), Columbus, Ind.
Davenport Ladder Co. (Fire, etc.), Davenport, Ia.
Dicke Tool Co., Downers Grove, Ill.
Ellingwood Turning Co., West Paris, Me.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Klein Mathias & Sons (Guarded or Plain), 562 W Van Buren, Chicago, Ill.
Ransome Concrete Machinery Co., Dunellen, N. J.
Warren Axe & Tool Co., Warren, Pa.

## 11369— Poles (Rug)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 11370—Poles (Steel Tubular, Flag, Etc.)

McCurdy Bernard, 9th & Arch, Phila., Pa. *See adv index at end of book*
Simmons John Co., 110 Centre, New York

## 11370a— *Poles (Torch)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 11371— Poles (Tree Pruner)

Piqua Handle & Mfg. Co., P. O. Box 807, Piqua, O.

## 11372— Poles (Trolley Car)

Columbia Machine Works & Malleable Iron Co. (Made of Steel Tubing), Atlantic av & Chestnut, Brooklyn, N. Y.
Electric Railway Equipment Co., Cincinnati, Ohio
Flood City Mfg. Co., Johnstown, Pa.
Morris E. K. & Co., 317 W 2d, Cincin- Chicago, Ill.
National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.
Nuttall R. D. Co., McCandliss av & Harrison, Pittsburgh, Pa. *See adv index at end of book*
Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.

## 11373—Poles (Trolley, Reinforced)

(Old Worn Out Trolley Poles Reinforced)
Pittsburgh Reinforcing Pole Co., 435 6th av, Pittsburgh, Pa.

## 11374—Poles (Trolley Street)

See also Poles, Iron & Steel

American Bridge Co. ("Shiffer"), 30 Church, New York
Bates Expanded Steel Truss Co. (Electric), 208 S La Salle, Chicago, Ill.
Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
Diamond Steel Pole Co., Land Title bldg, Phila., Pa.
Electric Railway Equipment Co. (Iron & Steel), Cincinnati, O.
Electrical Material Co. (Seamless Steel Tubing), 618 W Jackson blvd, Chicago, Ill.
Franklin Steel Works ("Tripartite," "Triangulite"), Franklin, Pa.
Hartwell Handle Co. (Wood), Harvey, Ill.
Holden & White, Fisher bldg., Chicago, Ill.
Morris Elmer P. Iron Works, 136 Liberty, New York
National Tube Co. ("Shelby"), Seamless Steel), Frick bldg., Pittsburgh, Pa.
Reading Iron Co., Reading, Pa.
Serfas Lumber Co., Drake bldg, Easton, Cal.
Valley Forging Co. ("Pittsburgh Standard" Trolley Poles, Butt Welded & "Verona" Seamless Poles), Verona, Pa.

## 11375— Poles (Vaulting)

Spalding A. G. & Bros., 126 Nassau, New York
Wilson Thos. E. & Son, 727 N Sangamon, Chicago, Ill.

## Poles (Wagon)

See Shafts & Poles, Carriage & Wagon

## 11375a—*Poles (Western & Northern Cedar)

LINDSEY BROS. CO., 611 Peyton bldg, Spokane, Wash.
Serfas Lumber Co., Drake bldg, Easton, Cal.

## 11376—Poles (Window Pull-Down)

Empire Ladder & Pole Co., 154 1st, Newark, N. J.
**Houchin Thomas W. Co. (Oak), 36 E 12th, New York**
**Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.**

## Poles & Posts (Wood)

See Ties, Poles & Posts

## 11376a— Polish

**Baum Bros. Co. (Brass), Denver, Colo.**
California Exterminating Co., Inc. (Autobody, Floor, Furniture, Metal, etc), 121 Manhattan, New York
Camden Chem. Mfg. Co. ("Greyhound" Automobile Body), 1800 Muckle, Camden, N. J.
Damon Specialty Co. (Automobile), 516 E 9th, Los Angeles, Cal.
**Flash Chemical Co. ("Flash," Silver), 160 2d, Cambridge, Mass.**
Rosealene Products Co. (Automobile "Rosealene"), 667 Howard, San Francisco, Cal. *See adv index at end of book*
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
**Victrolene Company ("Victrolene," Automobile), 39 Pearl, Boston, Mass.**
**Wondermist Co. (Automobile), 261 Franklin, Boston, Mass.**
Worth-More Polish Co., Inc., 1306-08 N Wells, Chicago, Ill.

## 11376b—*Polish (Automobile)

Rosealene Products Co. ("Rosealene"), 667 Howard, San Francisco, Cal.
*See adv index at end of book*

## 11377— Polish (Cutlery)

**Black Cat Polish Co. ("Prest-O"), 34 Washington, Buffalo, N. Y.**
**Dilg Mfg. & Trading Co. ("Dilg," "Defiance" & "Acme" Plate & Steel Polish), 27 E 125th, New York**
**Hollingshead R. M. Co. ("Whiz," "Electro-Shine" Silver Paste & Powder), Camden, N. J.**
**Tanite Co. ("Tanite" Mills), Stroudsburg, Pa**

## 11378— Polish (Floor)

See also Floor Polish (Hard Wax)

American Chemical & Mining Co. ("Furnoil"), Atlanta, Ga.
**Butcher Polish Co. ("Butchers Boston Polish for Hardwood), 356 Atlantic av, Boston, Mass.**
California Exterminating Co., Inc., 121 Manhattan, New York
Channel Chemical Co. ("O-Cedar"), 4501 Western blvd, Chicago, Ill.
**Elite Polish Co., New Kensington, Pa.**
**O-So-Ezy Products Co., 1423 Carroll av, Chicago, Ill.**
Rosealene Products Co. (Disinfectant "Rosealene"), 667 Howard, San Francisco, Cal. *See adv index at end of book.*
**Wondermist Co., 261 Franklin, Boston, Mass.**
Worth-More Polish Co., Inc., 1306-08 N Wells, Chicago, Ill.

## 11379— Polish (Furniture)

A. B. Polish Co. ("A. B." Standard), 1515 Haddon av, Chicago, Ill.
Adams & Elting Co. ("Hy-Pol"), 726 Wash'n blvd, Chicago, Ill.
**Alcatraz Co., Inc. ("A to Z"), 3200 Williamsburg av, Richmond, Va.**
**Alder Chemical Co., Mount Vernon, N. Y.**
**American Chemical & Mining Co. ("Big Chief"), Atlanta, Ga.**
American Metal Polish Co. ("Meyers," "Universal," Paste, Putz, etc), West Sommerville, Mass.
**Aquart Mfg. Co., Chemical bldg, St. Louis, Mo.**
Armiger Chemical Co., 2155 Austin av, Chicago, Ill.
**Baum Bros. Co. ("New Finish"), Denver, Colo.**
**Black Cat Polish Co. ("Japola"), 34 Washington, Buffalo, N. Y.**
Bradley & Vrooman Co., 2632 S Dearborn, Chicago, Ill.
**Buffalo Specialty Co. ("Liquid Veneer"), 375 Ellicott, Buffalo, N. Y.**
California Exterminating Co., Inc., 12 Manhattan, New York
Cedarine Co., Clinton, N. Y.
Channell Chemical Co. ("O-Cedar" & "Cedarine"), 4501 Western blvd, Chicago, Ill.
Chief Kokomoko Specialty Co., Kokomo Ind.
Cleaner Mfg. Co. ("Polishine"), 2842 Olive, St. Louis, Mo.
Cleanola Co. ("Cleanola," for All Varnish Surfaces), Fulton bldg, Pittsburgh, Pa.
Conners Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Continental Mfg. Co. ("New Lustro"), Indianapolis, Ind.
Eclat Mfg. Co., 3425 State, Chicago, Ill.
**Elite Polish Co., New Kensington, Pa.**
Gerstendorfer Bros. ("Sapolin"), 221 E 42d, New York
**Gold Medal Polish Co. ("Gold Medal"), Racine, Wis.**
**Great Western Oil Co. (Wax), 2846 E 37th, Cleveland, Ohio**
**Hayden C. W. Co., Toledo, O.**
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
**Imperial Polish Co., 54 N 2d, Phila., Pa.**
**Indian Refining Co., 244 Madison av, New York**
**Keep Bros. ("Nonequal"), 225 Sansom, Phila., Pa.**
**Lawrence W. W. & Co. ("Lustro"), N Carson, Pittsburgh, Pa.**
Lustre Mfg. Co., 16 W Kinzie, Chicago, Ill.
Lyknu Polish Mfg. Co. ("Lyknu"), 916 Forbes, Pittsburgh, Pa.
**Marshall Oil Co. of Iowa ("Marshall"), Marshalltown, Ia.**
**Martin-Senour Co., 2520 Quarry, Chicago, Ill.**
**Martin & Martin ("E-Z"), 3005 Carroll av, Chicago, Ill.**
**Monahan Antiseptic Co. (Silk Olive Oil), 166 N Curtis, Chicago, Ill.**
**Montauk Paint Mfg. Co. ("Montauk"), 2d av, cor. 13th, Brooklyn, N. Y.**
**Morris R. W. Mfg. Co. ("Golden Star"), 815 E 21st, Kansas City, Mo.**
**Moser Chas. Co., Cincinnati, O.**
**Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.**
**New England Oil, Paint & Varnish Co., Waters av, Boston, Mass.**
Northwestern Chemical Co. (Automobile) ("Norwesco"), Marietta, Ohio
**Northwestern Mfg. Co., Indianapolis, Ind.**
**No Xal Polish Mfg. Co. ("No Xal"), 1238 Belmont av, Phila., Pa.**
**Nubian Paint & Varnish Co. ("Re-Vi-Var"), 1856 Leclaire av, Chicago, Ill.**
**O-So-Ezy Products Co., 1423 Carroll av, Chicago, Ill.**
Patton Paint Co. ("Sunbright"), Milwaukee, Wis.
**Plunkett Chemical Co., 2540 Cottage Grove av, Chicago, Ill.**
**Polish Products Co., Kansas City, Mo.**
Pratt B. G. Co. ("Hydro wax" for Cleaning & Polishing), 50 Church, New York
**Puritan Soap Co. ("Varnisheen," "Puritan"), 496 Exchange, Rochester, N. Y.**
Rath Mfg. Co. ("Ye-Olde-Homestead"), Hedley E. of Richmond, Phila., Pa.
Reid W. W. Mfg. Co. ("Waxol"), 17 Caldwell, Boston, Mass.
Rochester Chemical Co. ("Shinon"), Rochester, N. Y.
Rosealene Products Co., 667 Howard, San Francisco, Cal.
*See adv index at end of book*
Samoline Corp., Inc. ("Pullman"), 2134 N Clark, Chicago, Ill.
Sani-Mist Co., New London, Conn.
Sherwin-Williams Co., Cleveland, O.
**Sonneborn L. Sons ("Amalie" Oil for Piano Furniture, Carriage Body, etc), 262 Pearl, New York**
Standard Chemical Co. ("Cedro" Oil), Houston, Texas
Standard Oil Co. of N. Y. ("Matchless Liquid Gloss"), 555 W 25th, New York
Standard Oil Soap Co., 40 N Division, Buffalo, N. Y.
Staples H. F. & Co. ("Staples Bee-Hive"), Medford, Mass.
Star Lubricating Oil Co. ("Starco Mist"), 8714 B'way, S. E. Cleveland, O.
**Talley Co. ("Talco"), New Richmond, O.**
**Three-In-One Oil Co. ("Three-in-One"), 165 B'way, New York**
**Thumb E. W. ("Sunshine"), 872 Orleans, Chicago, Ill.**
**Ulrich & Co. ("A-O-K"), 363 E North, Buffalo, N. Y.**
**Van Tilburg Oil Co. ("Waxit"), 2428 University av, Mineapolis, Minn.**

Rosealene
PRODUCTS COMPANY
Manufacturers of
**Disinfectant**
**Furniture Polish**
**Automobile Polish**
**Linoleum and**
**Floor Polishes**
*Perfect Polishes*
*No greasy surface left after using*
**Booklets sent upon request**
667 HOWARD STREET
**San Francisco Calif.**

**Victrolene Company ("Victrolene"), 39 Pearl, Boston, Mass.**
Wadsworth-Howland Co. ("Jewell," "Liquid"), 225 N Carpenter, Chicago, Ill.
**Wondermist Co., 261 Franklin, Boston, Mass.**
**World Polish Mfg. Co. ("Japanese"), York, Pa.**
Worth-More Polish Co., Inc., 1306 N Wells, Chicago, Ill.

## 11380— Polish (Glass)

Cleaner Mfg. Co. ("Polishine"), 2482 Olive, St. Louis, Mo.
Forbes Benj. P. Co. ("Glasbrite"), 404 Superior av, Cleveland, O.
Hollinshead R. M. Co. ("Whiz"), Camden, N. J.
**Monaham Antiseptic Co. (Velo Cut Glass), 166 N Curtis, Chicago, Ill.**

## Polish (Harness)

**See Dressing, Carriage Top, Harness, etc.**

## 11381— Polish (Soap)

**Cudahy Packing Co. ("Gibson's"), 111 W Monroe, Chicago, Ill.**
**Flash Chem. Co., 160 2nd, Cambridge, Mass.**
**Monaham Antiseptic Co. (Silk Olive Oil), 166 N Curtis, Chicago, Ill.**
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## Polish (Stove)

**See Stove Polish**

## 11382—Polishers (Electric)

**GEM MFG. CO. ("Gem," Flexible Shaft for Garages), Goebel, nr. Fulton, N. S., Pittsburgh, Pa.**
*See adv index at end of book*
**Wisconsin Electric Co. ("Dumore"), 600 Junction av, Racine, Wis.**
*See adv index at end of book*
Wisconsin Fdry. & Mach. Co. (Floor & Stone), Madison, Wis.

## 11382a—*Polishers (Finger Nail)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***

## 11382b— Polishers (Nail)

**Arlington Works The (E. I. du Pont de Nemours & Co.), Wilmington, Del.**
Celluloid Co., 36 Washington pl, New York

## 11383—Polishers (Shoe, Wool)

Reddick Lambs' Wool Polisher & Products Co., Harrison bldg, Phila., Pa.

## 11384— Ponolith

**KREBS PIGMENT & CHEMICAL CO.** ("Ponolith" Lithophone), Newport, Del.

## 11384a— Pontoons

Matthews Bros. Mfg. Co. (Aeroplane), 61 4th, Milwaukee, Wis.
Palmer-Simpson Co., Saranac Lake, N. Y.
Welen Marine Equipment Co., 305 Vernon av, Long Island City, N. Y.

## 11385— Poppers (Corn)

**Bromwell Brush & Wire Goods Co., 612 W 6th, Cincinnati, O.**
Brook Novelty Co., Brook, Ind.
**Copeland G. T., Gloversville, N. Y.**
Cretors C. & Co., 620 W 22d, Chicago, Ill.
Darby Edw. & Sons Co., 412 N 18th, Phila., Pa.
Delphos Mfg. Co. ("Delphos" Sheet Iron), 1st & Pierce, Delphos, O.
**Dorr Chas. M. Co. ("Hoosic"), Hoosick Falls, N. Y.**
**Elec. Machine Co., New Albany, Ind.**
**Gabel Mfg. Co., Hawkeye, Ia.**
Gier Pressed Steel Co. ("Lansing," "Crown Top"), Lansing, Mich.
**Gilbert & Bennett Mfg. Co., Georgetown, Conn.**
**Hamblin & Russell Mfg. Co., Worcester, Mass.**
**Holcomb & Hoke Mfg. Co., Indianapolis, Ind.**
Kingery Mfg. Co. ("Kingery's), 420 E Pearl, Cincinnati, O.
**Meyers Fred J. Mfg. Co., Hamilton, O.**
*See adv index at end of book*
Parker Wire Goods Co. (Reversible), Worcester, Mass.
Ressler G. S. & Son ("Star"), Lansing, Mich.
**Reynolds Wire Co., Dixon, Ill.**
**Shotwell Mfg. Co., 1021 W Adams, Chicago, Ill.**
**Stutsman R O. Co. (Automatic), Des Moines, Iowa**
**Success Mfg. Co., Gloucester, Mass.**
**Utility Mfg. Co. ("Utility"), Sturgis, Mich.**
**Wickwire Bros., Cortland, N. Y.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Wire Goods Co., Worcester, Mass.**
**Woods-Sherwood Co. ("Sherwood," with Sliding Cover), Worcester, Mass.**

## 11386— Porcelain Enameling

Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Chicago Hardware Foundry Co. (Grey Iron), North Chicago, Ill.
Cleveland Metal Products Co., Platt & C. & P. R. R. R., Cleveland, O.
Geuder Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Humphryes Mfg. Co., Mansfield, O.
**INGRAM-RICHARDSON MFG. CO.**, Beaver Falls, Pa.
*See adv index at end of book*
**Wheeler Reflector Co., 156 Pearl, Boston, Mass.**

## 11387—Porcelain Specialties (Electrical, Mechanical, Etc.)

Adamant Porcelain Co. (Hold Knob), East Liverpool, O.
**Akron Smoking Pipe Co., Mogadore, O.**
Am. Porcelain Co. (Standard & Special Shape), East Liverpool, O.
Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Il.
*See adv index at end of book*
**Brunt Tile & Porcelain Co., Columbus, O.**
Bryant E. R., 81 High (Knobs & Cleats), Boston, Mass.
**Burgess & Co. ("Porcelava"), East Liverpool, O**
Capital Porcelain Mfg. Co. (Standard & Special Shapes), Trenton, N. J.
**Colonial Sign & Insulator Co., Akron, O.**
Cook Pottery Co., Trenton, N. J.
Davidson & Stevenson Porcelain Co. (Standard & Special Shapes), East Liverpool, O.
**Electric Porcelain & Mfg. Co., Trenton N. J.**
Empire China Works, 156 Greene, Brooklyn, N. Y.
Findlay Electric Porcelain Co., Findlay, O.
Fletcher Mfg. Co. (Insulated Racks & Wire Holders), Dayton, O.
Freeman E. H. Electric Co., Trenton, N. J.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
General Porcelain Co. (Standard & Special Shape), Parkersburg, W. Va.
Globe Porcelain Co., Trenton, N. J.
Harter Mfg. Co. (Bushings), 524 Clinton, Chicago, Ill.
Hartford Faience Co. (Electrical), Hartford, Conn.
Illinois Electric Porcelain Co., Macomb, Ill.
Imperial Porcelain Works, Trenton, N. J.
**Jeffery-Dewitt Co., Butler av & Grand Trunk Ry., Detroit, Mich.**
Locke Insulator Mfg. Co. (Electric), Victor, N. Y.
Michigan Porcelain Insulator Co. (Knobs & Cleats), Hastings, Mich.
National Electric Porcelain Co., Carey, O.
National Porcelain Co., Trenton, N. J.
National Tile Supply Co. (C. B. Knobs), 5100 Superior, Cleveland, Ohio
New Brunswick Porcelain Co., New Brunswick, N. J.
Ohio Pottery Co. ("Ohio" Pottery), Zanesville, O.
Paragon Elec. Co. (Self-Tying Knob), 37 W Van Buren, Chicago, Ill.
**Pass & Seymour (Electrical Only), Solvay, N. Y.**
**Peru Electric Co. (Electrical Only), Peru, Ind.**
**Pittsburgh High Voltage Insulator Co.** (Porcelain Insulators, Wall Bushings, Tubing, etc.), Derry, Pa.
Snyder-Hunt Co. (Insulators), Belle Plaine, Ia.
**Star Metal Box Co., 509 W 19th, New York**
Star Porcelain Co., Trenton, N. J.
Thomas R. & Sons Co., East Liverpool, O.
Trenton Porcelain Co., Trenton, N. J.
**Union Electrical Porcelain Works, Trenton, N. J.**
**Union Porcelain W'ks, 300 Eckf'd, B'klyn, N. Y.**
Universal Specialty Co. (Insulator), Terre Haute, Ind.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Wheeling Tile Co., Wheeling, W Va.
White Co. T. C. (Strain Insulators), 1122 Pine, St. Louis, Mo.

## 11388— Port Lights (Ship)

**American Standard Shipfittings Corp., 115 B'way, New York**
*See adv index at end of book*
Delaware Marine Mfg. Co., Wilmington, Del.
Gibson & Kirk Co., 217 Key Highway, Baltimore, Md.
Horne Mfg. Co., 4 College pl, Brooklyn, N. Y.
Laughlin Thos. Co., Portland, Me.
Marine Hardware Co., Peabody, Mass.
**Marine Mfg. & Supply Co., 158 South, New York**
Sands A. B. & Son Co., 22 Vesey, New York
Torrey Roller Bushing Works, Bath, Me.
Watson Mfg. Co. (Screen Only), Jamestown, N. Y.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 11388a—*Portable Gravel Loaders & Screening Outfits

**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** ***See adv index at end of book***
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av, & P. & R. Ry, Phila. Pa. *See adv index at end of book*

## 11389— Portable Houses

Aladdin Co. (Readi-Cut), Bay City, Mich.
American Portable House Co. (Wood of All Kinds), Seattle, Wash.
**Anchor Corrugating Construction Co., 140 Washington, New York**
**Ashley Steel Buildings Co., Inc., 1790 B'way, New York**
**Austin Co. (Factory Building), 14230 Euclid av, Cleveland, O.**
Baltimore Cooperage Co. (Fireproof), Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Bungalow Craftsman Co., Empire bldg, Seattle, Wash.
Case Mfg. Co. (All Steel), 117 Liberty, Jackson, Mich.
Chesebro Whitman Co., 1167 1st av, New York
Columbian Steel Tank Co. New England (Fireproof), Kansas City, Mo.
Ducker Sectional Bldg. Corp. (Iron & Wood), 299 B'way, N. Y.
**EDWARDS MFG. CO. (Wood)**, 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
**Gold Medal Camp Furniture Mfg. Co., Racine, Wis.**
Harry Bros. Co. ("Harry's," Galvanized Iron), Carr & I. C. R. R., New Orleans, La.
Harry O. K. Steel Co. (Auto Garages), 2333-35 Papin, St. Louis, Mo.
Hastings Equity Grain Bin Mfg. Co., Hastings, Neb.
**Hodgson Ernest F. Co., 116 Washington, Boston, Mass.**
**Howell, Field & Goddard** (Metal), Review av, Long Island City, N. Y.
International Mill & Timber Co. (Ready Cut), Bay City, Mich.
Karr Portable House Co., 2554 W Irving pk blvd, Chicago, Ill.
Levaur System Construction Co., Inc. (Metal), 50 Broad, New York
Lewis Mfg. Co. (Machine Cut), Bay City, Mich.
Liberty Steel Products Co., 233 B'way, New York
**Mershon & Morley Co. (Cottages, Houses, Cabins, Ranches, Depots, Baths, Hospitals, etc, Portable for All Uses; also Portable Double Folding Beds, etc), Saginaw, Mich.**
Millmade Construction Co., 548 Water, Portland, Ore.
**National Builders Inc. (Knockdown), Saginaw, Mich.**
National Home Building Co. (K. D.), Portland, Ore.
Pacific Portable Construction Co. (Cottages), Boyle av, Los Angeles, Cal.
Penn Metal Co. ("Penco" Metal), 65 Franklin, Boston, Mass.
**Portable Construction Co. (Of All Kinds for All Purposes), 50 Church, New York**
**Pruden C. D. Co. ("Prudential" Steel),** Dock & Warner, Baltimore, Md.
**Ready Built Home Co., Mystic, Conn.**
**Southern Foundry Co. (Steel), Owensboro, Ky.**
Steel Fabricating Co., Chicago Heights, Ill.
Teld Easy House Mfg. Co., McClure, Pa.

## 11390—*Portable Houses (Metal)

**EDWARDS MFG. CO., 545-565 Eggleston av, Cincinati, O.**
***See adv index at end of book***
Liberty Steel Products Co., 233 B'way, New York

## 11391— Portables (Electric)

See also Lights, Desk, also Lamps, Incandescent Portable, Electric

**Adjustable Fixture Co. (Dresser Light), 305 Mfrs. Home, Milwaukee, Wis.**
**Almar Mfg. Co., 47 W 34th, New York**
**Almond T. R. Mfg. Co., Ashburnham, Mass.**
Amboy Works, Perth Amboy, N. J.
American Brass & Coppper Co., 133 Lafayette, New York
**American Elec. Equipment Co. (Bed Lite), Kansas City, Mo.**
**Amron Mfg. Co., 506 S Wells, Chicago, Ill.**
**Art Lamp Mfg. Co., 1258 W 15th, Chicago, Ill.**
**Art Metal Works, 7 Mulberry, Newark, N. J.**
**Art Shade Co., 224 N Des Plaines, Chicago, Ill.**
**Art Wares Mfg., Indianapolis, Ind.**
**Bayley & Sons, 105 Vandeveer, Brooklyn, N. Y.**
**Beardslee Chandelier Mfg. Co., 237-39 S Jefferson, Chicago, Ill.**
Beers Soles Co., Bridgeport, Conn.
Bergen Co., J. D., Meriden, Conn.
Berger Mfg. Co. (Wood), 516 W 25th, New York
Bradley & Hubbard Mfg. Co., Meriden, Conn.

PORTABLES (ELECTRIC)—continued

Brown W. B. Co. (Wood), Bluffton, Ind.
Caldwell Elec. Corp., Champaign, Ill.
Cassidy & Co., Inc., 101 Park av, New York
Central Cut Glass Co., 1114 E 63rd, Chicago, Ill.
Central Tel. & Elec. Co., 310 N 11th, St. Louis, Mo.
Chicago Lamp & Fixture Co. 309 S Clinton, Chicago, Ill.
Chicago Reed Ware Co., 1523 Carrol av, Chicago, Ill.
Coffin Valve Co. ("Neponset," Portable Flood), Neponset, Boston, Mass.
Conneaut Metal Works, Conneaut, O.
Crescent Brass Mfg. Co., 8410 Lake av, Cleveland, O.
Crucet Mfg. Co., 256 W 28th, New York
Daggett & Curry, Waltham, Mass.
Dale Lighting Fixture Co., 107 W 13th, New York
Eclipse Elec. Mfg. Co., St. Paul, Minn.
Edwards Ltg. Fixture o., 20 E Lake, Chicago, Ill.
Empire Lamp Mfg. Co., 1214 W Madison, Chicago, Ill.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Faries Mfg. Co. (Adjustable), Decatur, Ill.
Forg Peter Mfg. Co., Somerville, Mass.
Franks Mfg. Co., Rock Island, Ill.
Friedlaender Inc. Oscar O. (Imp. Alabaster), 40 Murray, New York
Friedman Joseph, 114 5th av, New York
Frink I. P., 24th & 10th av, New York
Goshen Novelty & Lamp Co., Goshen, Ind.
Gracie Chas. R., 309 W 41st, New York
Gudeman & Co., 19 W 36th, New York
Handel Co., Meriden, Conn.
Handy Light Co., 215 Butler, Cincinnati, O.
Herbert M. Co., 8 W. 22d, New York
Hersey & Co., A. H., Newark, O.
Heywood Bros & Wakefield Co., 516 W 34th, New York
Hinsdill Elec. Co., 550 Fulton, Troy, N. Y.
Ideal Lamps Mfg. Co., Faribault, Minn.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.
International Shade Co., Springfield, Mass.
Jefferson Co., Tollansbee, W. Va.
Jones Thomas C., 114 E 59th, New York
Keith Mfg. Co., Clinton, New York
Khouri Amin N., 6 E 18th, New York
Kittinger Furniture Co. (Wood Standards), 1893 Elmwood av, Buffalo, N. Y.
Kraushaar Brass Mfg. Co. (Adjustable; also Newels or Portables), 919 Pine, St. Louis, Mo.
Lamb Bros. & Greene (Metal & Wood), Nappanee, Ind.
Lauzon Furniture Co., Grand Rapids, Mich.
Lehman Bros., 197 Grand, New York
Lightening Studios Co., 220 W 42d, New York
Luminous Specialty Co., Indianapolis, Ind.
Lynch Co. Geo. C. (Reading), 235 5th av, New York
McKenny & Waterbury Co., 181 Franklin, Boston, Mass.
McLeod, Ward & Co., 430 11th av, New York
Manhattan Distributing Corp., 608 S Dearborn, Chicago, Ill.
Miller Edw. & Co., Meriden, Conn.
Modern Lamp & Shade Co. (Wood), 1100 S Wabash av, Chicago, Ill.
Mountain Community, 176 Madison av, New York
National Metalizing Co., 236 5th av, New York
National X-Ray Reflector Co., 233 W Jackson blvd, Chicago, Ill.
Neuhauser D. L. 326 W Grand av, Chicago, Ill.
New England Brass & Fixture Co., 77 Summer, Boston, Mass.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O. & 68 Washington, Chicago, Ill. *See adv index at end of book*
Noe Wm. R. & Sons, 53 W 21st, New York
Novelty Art Glass Shade Co., 418 Prospect av, Cleveland, O.
Oberbeck Co., 415 Oswego, Chicago, Ill.
Ornate Mfg. Co., 110 W 34th, New York
Pairpoint Corp. (Glass), New Bedford, Mass.
Palacheck Chas. & Bros. Co., 217 3d, Milwaukee, Wis.
Paragon Elec. Co., 37 W Van Buren, Chicago, Ill.
Parker Chas. Co., Meriden, Conn.
Peerless Light Co., 663 W Washington blvd, Chicago, Ill.
Pettingell-Andrews Co., 166 Pearl, Boston, Mass.
Phila. Lighting Specialty Co., Phila., Pa.
Phoenix Glass Co., 230 5th av, New York
Pittsburgh Lamp Brass & Glass Co., Liverpool & River, Pittsburgh, Pa.
Play-O-Lite Co. (Piano), 1750 Main, Buffalo, N. Y.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Porter Company, 241 Water, New York
Pyramus Mfg. Co., 200 Grand, New York
Quaker City Brass Works, 336 N 3d, Phila., Pa.
Reddan Specialty Co., 25 W B'way, New York
Reliable Electric Co. (Desk Lamp), 411 S Sangamon, Chicago, Ill.
Rockford Peerless Furniture Co. (Wood), Rockford, Ill.
Rose Bro. & Co., Lancaster, Pa.
Rose Co., Chas. M., 118 E 28th, New York
Rose-Strauss Co., 209 W 48th, New York
Rose & Hastie, 754 Lexington av, Brooklyn, N. Y.
Royal Lamp Shade Co. (Wood), 39 E 19th, New York
Sales Development Co., 299 Madison av, New York
Schwartz S. Robert & Bro. ("Esrobert"), 729 B'way, New York
Shapiro & Aronson, 20 Warren, New York
Skelley Bracket Co., 1265 W 2d, Cleveland, O.
Straus & Son L., 42 Warren, New York
Supreme Lamp Co., 136 W 52d, New York
Tulper Pottery Co., Flemington, N. J.
Turchin Co., 536 W 23d, New York
Turner & Seymour Mfg. Co., Torrington, Conn.
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Universal Elec. Stage Ltg. Co. (Garage), 240 W 50th, New York
Uno-Lite Co. of America, Indianapolis, Ind.
Van Briggle Tile & Pottery Co., Colorado Springs, Colo.
Villmont P. S. & Co. (Wood), 20 W 22d, New York
Waldman John J. (Desk & Bed), 64 Murray, New York
Warner C. B. & J., 138 W 14th, New York
Warshavsky, 187 B'way, Brooklyn, N. Y.
Waud Mfg. Co. (Wood), 1193 B'way, New York
Weidlich Bros. Mfg. Co., Bridgeport, Conn.
Western Elec. Co., 463 West, New York
White O. C. Co. (Adjustable Floor, Desk, etc), Worcester, Mass.
Will & Baumer Co., Syracuse, N. Y.
Williamson R. & Co., Washington & Jefferson, Chicago, Ill.
Wirt Co., Armat & Lena, Phila., Pa.
Wizard Elec. Lamp. Co., (Vacuum Cup Mir-O-Lite folding), San Francisco, Cal.
Young & Russell, 1027 Mifflin, Phila., Pa.
Ypsilanti Reid Furniture Co., Ionia, Mich.

## 11391a— Porte-Cocheres

Tyler W. S. Co., Cleveland, Ohio. *See adv index at end of book*

## 11391b— *Portfolios

Knickerbocker Case Co., Fulton & Clinton, Chicago, Ill. *See adv index at end of book*

## 11392—Ports (Open Hearth Furnace)

Blair Engineering Co., 343 S Dearborn, Chicago, Ill.
Blaw-Knox Co. ("Knox"), Freeport rd, Hoboken, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 11393— Post Caps & Bases

Castle A. M. & Co. ("Castle," "Star" "Atlas" Steel or Malleable Post Caps & Grinder Supports), 715 N Morgan, Chicago, Ill.
Cheney S. & Son ("Zimmerman" Patent Iron Base), Manlius, N. Y.
Clark W. J. Co., Salem, O.
Covert H. W. Co. (Porch Columns), 137 E 46th, New York
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Duplex Hanger Co. ("Duplex"), E 53d & Lakeside av, Cleveland, O.
Gehret Bros., Bridgeport, Pa.
Goetz Box Anchor, New Albany, Ind.
Hastings Foundry & Iron Works, Hastings, Neb.
Heughes F. L. & Co. ("Heughes"), Rochester, N. Y.
Ideal Hanger Co. ("Ideal"), Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Londelius C. A. & Sons Co., 847 W 63d, Chicago, Ill.
Morris Elmer P. Iron Works, 136 Liberty, New York
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Ritter Emil W. Co. ("Atlas"), 223 W Austin av, Chicago, Ill.
Smith A. L. Iron Wks. ("A. L. S. I. W. O."), Chelsea, Mass.
SMITH F. P. WIRE & IRON WORKS, 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Stolz Jos. & Son, Inc. ("Duplex," "Ideal" Caps), 841 E 136th, New York
Truscon Steel Co. ("Kahn" System), Youngstown, O.
Van Dorn Iron Works Co. ("Van Dorn" Iron & Steel), 2700 E 79th, Cleveland, O.
Western Builders Supply Co. (Steel Caps), 135 2nd, San Francisco, Cal.

## 11394—Post Cards (Advertising)

Kropp E. C. & Co. (and Folders), Milwaukee, Wis.
Pictorial Post Card Co., Rochester, N. Y.

## 11395—Post Office Equipments

Albertype Co., 250 Adams, Brooklyn, N. Y.
American Post Office Equipment Co., 343 S Dearborn, Chicago, Ill.
Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Auburn Post Card Mfg. Co., Auburn, Ind.
Bamforth & Co., 96 Warren, New York.
Blanchard Co., Aurora, Ill.
Columbia Postal Supply Co. ("Columbia" Postmarking Machinery & "Jiffy" Postmarking Device), Silver Creek, N. Y.
Detroit Publishing Co., 731 Vermont, Detroit, Mich.
Federal Equipment Co., Carlisle, Pa.
Gibson Art Co., 416 Elm, Cincinnati, Ohio.
Henderson Lithograph Co., Norwood, Ohio.
Illustrated Post Card & Novelty Co., 160 5th av, New York
International Art Publishing Co., 1201 Race, Phila., Pa.
Keyless Lock Co., Indianapolis, Ind.
McLane Mfg. Co., Milford, N. H.
Reinthal & Newman, 106 W 29th, New York
Sadler Co. (Cabinets, etc), Indianapolis, Ind.
Schlesinger Bros., 141 5th av, New York
Shults H. H. Co., Gowanda, N. Y.
Stecher Lithographic Co., Rochester, N. Y.
Teich Curt & Co., 1745 Irving Park blvd, Chicago, Ill.
Tuck Raphael & Sons Co., 347 5th av, New York
Waddell Co. (Routing Tables, Distributing Cases, etc.), Greenfield, O.
Yale & Towne Mfg. Co., "Yale," Stamford, Conn.

## 11396— *Poster Frames (Brass, Bronze & Wood)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O., & 68 N Washington, Chicago, Ill. *See adv index at end of book*

## Posts (Arc Lamp)

See Posts, Lamp, Arc & Tungsten

## 11397— Posts (Binding)

American Pin Co. ("Ampinco"), Waterbury, Conn.
BARNES, THE WALLACE CO. ("Barnes-Made," Special), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Bridgeport Brass Co., Bridgeport, Conn.
Bunnell J. H. & Co., 32 Park pl, New York
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Continental Electric Co., 1883 Park av, New York

Corbin Screw Corporation, New Britain, Conn.
Eby H. H. Mfg. Co ("The Leader"), sw cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*

**THE LEADER**
**BINDING POSTS**
**H. H. EBY MFG. CO.**
S. W. Cor. 13th and WALLACE STREETS
PHILADELPHIA, PA.

Fahnestock Electro Co. (Spring), Meadow, Long Island City, N. Y.
Foote, Pierson & Co., 160 Duane, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hartford Machine Screw Co., Hartford, Conn.
International Brass & Electric Co. (Brass, etc), 76 Beekman, New York
International Insulating Corp., 25 W 45th, New York
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Knott L. E. Apparatus Co. (High Grade for Scientific Work), 79 Amherst, Cambridge, Mass.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Menominee Electric Mfg. Co., Menominee, Mich.
**MORSE FRANK W.** (Brass), 289 Congress, Boston, Mass.
*See adv index at end of book*
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Ostrander W. R. & Co., 371 B'way, New York
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
Porcelain Binding Post Co., Jersey City, N. J.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Royal Telephone Co., Milford, Ind.
Sloan Engineering Co., 246 Hall, Brooklyn, N. Y.
Springfield Machine Co., Springfield, Mass.
States Co., Hartford, Conn.
Trumbull Electric Mfg. Co., Plainville, Conn.
Victor Electric Co., 236 S Robey, Chicago, Ill.
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Western Electric Co., 463 West, New York

## 11398—Posts (Car Bumping)

American Bridge Co., 30 Church, New York
Fox Bros. & Co., 126 Lafayette, New York
Mechanical Mfg. Co. ("Ellis"), Union Stock Yards, Chicago, Ill.
Railway & Traction Supply Co. ("Hercules"), 79 W Monroe, Chicago, Ill.
Scott John M. & Sons ("Hercules"), Racine, Wis.

## 11399— Posts (Concrete)

Birch S. & Sons Construction Co. (Hitching, etc), Fargo, N. D.
Electric Welding Co. (Fence), Benedum Trees bldg, Pittsburgh, Pa.

## 11400— Posts (Desk)

Berbecker & Rowland Mfg. Co. (Polished Brass), Waterville, Conn.

## 11400a—Posts (Drilling-Old Man)

Armstrong Bros. Tool Co. ("Armstrong" Old Man for Ratchet Drills, etc), 293 N Francisco av, Chicago, Ill.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Irving Mfg. & Tool Co., 157 Chambers, New York
Keystone Mfg. Co. ("Keystone"), Buffalo, N. Y.
King A. R. Mfg. Co., Kingston, N. Y.
Lovejoy Tool Works ("Lovejoy" Base or Double Jaw), 319 W Ohio, Chicago, Ill.
*See adv index at end of book*
Lutz-Webster Engineering Co., 3105 Grays Ferry av, Phila., Pa.

## 11400b— Posts (Fence)

See also Posts (Iron and Steel)

**AMERICAN CREOSOTING CO.** (Creosoted), Bogalusa, La.
*See adv index at end of book*
Anchor Post Iron Works, 167 Broadway, New York
*See adv index at end of book*
Republic Iron & Steel Co. (Niles Wks.), Niles, O.

## 11401— Posts (Hitching)

See Posts, Iron & Steel

Adams Wm. Foundry Co., 960 N 9th, Phila., Pa.
Amos Chas. & Co., 640 Hart av, Detroit, Mich.
Anchor Post Iron Works, 167 B'way, New York *See adv index at end of book*
Bloomfield Mfg. Co., Bloomfield, Ind.
Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
Cheney S. & Son (Cast Iron), Manlius, N. Y.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Cyclone Fence Co. (Iron), Waukegan, Ill.
Decatur Cornice & Roofing Co., Decatur, Ill.
Dempster Mill Mfg. Co. (Cast Iron), Beatrice, Neb.
Donaldson Bros., Mount Clemens, Mich.
Dutton E. Q. & Co. (Cast Iron), Cato, N. Y.
Enterprise Iron Works, Indianapolis, Ind.
Gehret Bros., Bridgeport, Pa.
Gowanda Agricultural Works (Cast Iron), Gowanda, N. Y.
Hayes Pump & Planter Co. (Ornamental Cast Iron), Galva, Ill.
Hays Mfg. Co., Erie, Pa.
Hoosier Fence Co. (Cast Iron Horse Head, etc), Frankton, Ind.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Kokomo Fence Machine Co., Kokomo, Ind.
Love M. A. Mfg. Co. (Cast Iron), Rockford, Ill.
Lyon Iron Works, Greene, N. Y.
Mansfield Steel Corp., 288 Milwaukee av, E Detroit, Mich.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Milwaukee Steel Post Co., 510 Iron blk Milwaukee, Wis.
Mostberger Iron Co., 878 S Division, Buffalo, N. Y.
Novelty Iron Works, Sterling, Ill.
Peter F. N. & Bro., Newside, Pa.
Pettler Steel Mat & Mfg. Co. (Wrought Steel), Beaver Falls, Pa.
Ptaff & Kendall (Iron), 655 Ferry, Newark, N. J.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Sterling Foundry Co. ("Best"), Sterling, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Weller Hardware & Foundry Co. (Cast Iron), Horseheads, N. Y.
Western Iron & Foundry Co., Wichita, Kans.
Woonsocket Machine & Press Co. (Cast Iron), Woonsocket, R. I.

## 11402— Posts (Indicator)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Bourbon Copper & Brass Works, Cincinnati, O.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Darling Valve & Mfg. Co., Williamsport, Pa.
Eddy Valve Co., Waterford, N. Y.
Flower-Stephen Mfg. Co., 201 Clayton, Detroit, Mich.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Ludlow Valve Mfg. Co. (For Sprinkling Plants), ft of Adams, Troy, N. Y.
McNab & Harlin Mfg. Co., 55 John, New York
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Rensselaer Valve Co., Troy, N. Y.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## Posts (Iron Railing)

See Posts, Iron & Steel

## 11403— Posts (Iron & Steel)

See also Posts (Fence)

**AMERICAN STEEL & WIRE CO** (Steel Fence), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Amos Chas. & Co., 640 Hart av, Detroit, Mich.
**ANCHOR POST IRON WORKS** (Anchor), 167 B'way, New York
*See adv index at end of book*
Bayley Wm. Co., Springfield, O.
Bloomfield Mfg. Co., Bloomfield, Ind.
Bond Steel Post Co. (Steel Fence), Adrian, Mich.
Buffalo Steel Co. ("Quick-Set," Steel Fence), Tonawanda, N. Y.
Carbo Steel Products Co. (Steel Fence), 2600 W 111th Morgan Park Station, Chicago, Ill.
**CHICAGO STEEL POST CO.** (Steel Fence Post & Wire Stays), 209 N Michigan Chicago, Ill.
Cincinnati Iron Fence Co. (Fence), 3300 Spring Grove av, Cincinnati, O.
Cutter, Geo. Co. (Ornamental Iron), South Bend, Ind.
Cyclone Fence Co., Waukegan, Ill.
Donley Brothers Co., The (Clothes), 3625 E 74th, Cleveland, O.
*See adv index at end of book*
Enterprise Iron Works, Indianapolis, Ind.
Ft. Wayne Iron Steel Rolling Mills, W Taylor, Ft. Wayne, Ind.
*See adv index at end of book*
Harmon Ed. F. (Steel), Rosewood, O.
Heltzel Steel Form & Iron Co., Warren, O.
Hoosier Fence Co. (Cast Iron Fence), Frankton, Ind.
Hunt, Helm, Ferris & Co. (Fence), Harvard, Ill.
**INLAND STEEL CO.** (Rail Carbon Steel Fence), First Nat'l Bank bldg, Chicago, Ill.
Janesville Barb Wire Co. ("Apex" Steel Fence), Janesville, Wis.
Kitselman Bros. (Metal Fence), Muncie, Ind.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Metal Post & Culvert Co. (Metal Fence Posts), Niles, O.
Milwaukee Steel Post Co. (Steel Fence & Removable Steel Clothes Posts), 510 Iron blk, Milwaukee, Wis.
Morris Elmer P. Iron Works, 136 Liberty, New York
Mostberger Iron Co. (Clothes Posts), 878 S Division, Buffalo, N. Y.
National Tube Co. (Fence Tubular Steel), Frick bldg, Pittsburgh, Pa.
Peter F. N. & Bro., Newside, Pa.
Pittsburgh-Des Moines Steel Co. (Lintels), 4th & Ross, Pttsburgh, Pa.
*See adv index at end of book*
Pressed Steel Car Co. (Pressed steel, Side, End, Door & Window), 307 5th av, Pittsburgh, Pa.
Reder Foundry Co. (Cast Iron Fence, etc), 3536 S. Oakley av, Chicago, Ill.
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
Republic Iron & Steel Co., Youngstown, O.
*For branch offices see Alphabetical Section*
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Selway Steel Post Co. (Galvanized Steel Fence), 220 S State, Chicago, Ill.
Smith F. P. Wire & Iron Works ("Hercules," "Supreme" Fence), 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
Taylor & Co., 680 Morgan av, Brooklyn, N. Y.
United Iron Works Inc., Kansas City, Mo.
Western Steel Car & Foundry Co. (Pressed Steel Side, End, Door & Window), 122 S. Michigan, Chicago, Ill.
Wright Metal Mfg. Co. (Fence), Anderson, Ind.

## 11404— Posts (Lamp)

Allen D. E., Yonkers, N. Y.
Aylward Sons & Co., Neenah, Wis.

POSTS (LAMP)—continued

Biggin Charles P. Co., 1329 Harlan, Phila., Pa.
Brady Elec. Mfg. Co., New Britain, Conn.
Cabaret Paul E. & Co. (Bronze), 126 11th, av, New York
Carbo. Corporation, Chicago Heights, Ill.
Casey-Hedges Co. (Electric & Gaslight), Chattanooga, Tenn.
Central Elec. Co., 320 S. 5th av, Chicago, Ill.
Central Foundry Co. (Cast Iron), 90 West, New York
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Concord Foundry & Machine Co., Concord, N. H.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Cutter Geo. & Co. (Ornamental Iron), So. Bend, Ind.
Davies & Thomas Co. (Cast Iron), Catasauqua, Pa.
Davis & Farnum Mfg. Co., Waltham, Mass.
Dearborn Fdry & Co., 345 W 23rd, Chicago, Ill.
Donaldson Iron Co., Emaus, Pa.
Drummond M. J. & Co., 51 Chambers, New York
Eisenberg M. & Son, New York
Electric Railway Equipment Co. (Ornamental Street Electric Lamp Posts), Cincinnati, Ohio.
Fargo Fdry. Co., Fargo, N. Dak.
**FISKE J. W. IRON WORKS,** 111 Park pl, New York
Flour City Ornamental Iron Co. (Street, Ornamental Iron), 27th st & 27th av, Minneapolis, Minn.
Franklin Steel Co., Franklin, Pa.
Hastings Foundry & Iron Works, Hastings, Neb.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Henry-Bonnard Bronze Co. (Bronze & Ornamental Iron), 20 Exchange pl, New York
Heughes F. L. & Co., Rochester, N. Y.
Independent Foundry Co., 743 York, Portland, Ore.
Jackson Wm. H. Company, 2 W 47th, New York
Kramer Bros. Foundry Co., Dayton, O.
Luminous Unit Co., Jefferson & Washington avs, St. Louis, Mo.
Marty Fdry Co., Meridian, Miss.
Mesker Geo. L. & Co. (Cast Iron), Evansville, Ind.
Minneapolis Steel & Machinery Co. (Ornamental), 29th & Minnehaha, Minneapolis, Minn.
Modern Iron Works, Quincy, Ill.
Morris Elmer P. Iron Works, 136 Liberty, New York
Mott J. L. Iron Works, Trenton, N. J.
National Tube Co. (Electric), Frick bldg, Pittsburgh, Pa.
Nordeen Foundry Co., Everett, Wash.
Olympic Foundry Co. (Ornamental Cast Iron), Seattle, Wash.
Parsons Co., Newton, Ia.
Paxton & Vierling Iron Works (Ornamental), Omaha, Neb.
Penna. Globe Gas Light Co., 1934 Market, Phila., Pa.
Pevey Foundry Co., Lowell, Mass.
Phila. Electric & Mfg. Co., 1236 N 31st, Phila., Pa.
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
St. Paul Fdry Co., St. Paul, Minn.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith G. W. & F. Iron Co., Gerard, Rox., Boston, Mass.
Smyser, Royer Co., York, Pa.
Spuck Iron & Foundry Co. (Cast Iron), 14th & Branch, St. Louis, Mo.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Sun Vapor & Gas Street Light Co., Canton, O.
Tyler W. S. Co., Cleveland, O.
*See adv index at end of book*
Union Metal Mfg. Co. (Pressed Steel), Canton, O.
United Iron Works Inc., Kansas City, Mo.
Wallace Machine & Foundry Co. (Ornamental), Lafayette, Ind.
Wells Architectural Iron Co., River av & 151st, New York
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.

## 11405—Posts (Lamp, Arc & Tungsten)

Adams-Bagnall Electric Co. ("Jandus Luxolabora"), Platt av, Cleveland, O.
Allen D. E., Yonkers, N. Y.
American Bridge Co., 30 Church, New York
Aylward Sons & Co., Neenah, Wis.
Brady Elec. Mfg. Co., New Britain, Conn.
Carbo Corporation, Chicago Heights, Ill.
Casey-Hedges Co., Chattanooga, Tenn.
Central Elec. Co., 320 S 5th av, Chicago, Ill.
Cutter Geo. Co. (Ornamental Iron), South Bend, Ind.
Davenport Mach. & Fdry Co., Davenport, Ia.
Dearborn Fdry. & Co., 345 W 23rd, Chicago, Ill.
Electric Railway Equipment Co., Cincinnati, O.
Eysenberg M. & Son, 165 Grand, New York
Fargo Fdry. Co., Fargo, N. Dak.
Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.
Franklin Steel Co., Franklin, Pa.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Hecla Iron Works, 118 N 11th, Brooklyn, N. Y.
Herzog Iron Works, St. Paul, Minn.
Hessler Foundry & Mfg. Co., Oswego, N. Y.
King Foundry Co. ("Kings"), St. Joseph, Mo.
Kramer Brothers Foundry Co., Dayton, O.
Line Material Co., South Milwaukee, Wis.
Luminous Unit Co., Jefferson & Washington avs., St. Louis, Mo.
Lundin Elec. & Machine Co., 16 Thatcher, Boston, Mass.
McDonnell Boiler & Iron Works, Des Moines, Ia.
Manton & Smith Co., 1709 W Austin av, Chicago, Ill.
Marty Fdry. Co., Meridian, Miss.
Meyers Fred'k J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Minneapolis Steel & Machine Co., 2854 Minnehaha av, Minneapolis, Minn.
Morris Elmer P. Iron Works, 136 Liberty, New York
Mott J. L. Iron Works, Trenton, N. J.
Nordeen Foundry Co., Everett, Wash.
O'Brien Bros. ("Columbus"), 276 W Main Columbus, O.
Ornamental Lighting Pole Co., 114 Liberty, New York
Paxton & Vierling Iron Works, Omaha, Neb.
Pettyjohn Co., Terre Haute, Ind.
Phila. Electric & Mfg. Co., 1236 N 31st, Phila., Pa.
St. Paul Fdry. Co., St. Paul, Minn.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smyser, Royer Co., York, Pa.
Southern Wheel Co., Railway Exch. bldg, St. Louis, Mo.
Spuck Iron & Foundry Co., 14th & Branch, St. Louis, Mo.
**THOMASVILLE IRON WORKS,** Thomasville, Ga. *See adv index at end of book*
Union Foundry Co., Anniston, Ala.
Union Metal Mfg. Co. ("Union," Cast Iron Base Pressed Steel or Copper Shaft), Canton, O.
United Iron Works Inc., Kansas City, Mo.
Wallace Machine & Foundry Co., Lafayette, Ind.
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.

## 11406— Posts (Mooring)

Bayonne Bolt & Nut Co., Bayonne, N. J.
Harry L. C. Co., 114 Liberty, New York
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*

## 11407—Posts (Pawl, for Tugs)

Superior Iron Works Co. (For Power), Superior, Wis.

## 11408— Posts (Railing, Brass & Bronze)

American Safety Lamp & Mine Supply Co., Scranton, Pa.
California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works: Providence, R. I.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W. Washington, Chicago, Ill. *See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.

## 11409— Posts (Stanchion)

American Standard Shipfittings Corp., 115 B'way, New York
*See adv index at end of book*
Donley Brothers Co., The, 3625 E 74th, Cleveland, O.
*See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn.
*See adv index at end of book*

## 11410— Posts (Standard)

Ludlow Valve Mfg. Co. (For Valves & Sluice Gates), ft of Adams, Troy, N. Y.

## 11410a— Posts (Sunning)

Hamblet & Hayes Co. (For Patent Leather Mfrs.), Boston, Mass.

## Posts (Tungsten Lamp)

See Posts, Lamps, Arc & Tungsten

## 11411-2— Potash

Adams Fred C. Co. (Caustic), 118 N Halsted, S. La Salle, Chicago, Ill.
American Agricultural Chemical Co. (Imp), 2 Rector, New York
Ashcraft Wilkinson Co., Atlanta, Ga.
Baker H. J. & Bro. (Imp. Alsation Salts, & Muriate Sulphate), 81 Fulton, New York
Bauer Philip Co., 25 W Broadway, New York
Baugh & Sons Co. (Dealers), 20 S Delaware av, Phila., Pa.
Coplay Cement Mfg. Co. (Flue Dust Potash & For Commercial Purposes), Coplay, Pa.
Daigger A. & Co., 511 W Kinzie, Chicago, Ill.
Feuchtwanger L & Co. (Silicate), 74 Cortlandt, New York
German Kali Works (Imp.) (Muriate of, Sulphate of), 42 B'way, New York
Grasselli Chemical Co. (Salts, Muriate, etc, imported), Guardian bldg, Cleveland, O.
Griffiths K. F. & Co., 81 Fulton, New York
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Heller, Jos. S. (Muriate, etc., Imp.), 62 William, New York
Hirsh Leon & Son (Pearl Ash), 368 Greenwich, New York
Innis, Speiden & Co., Inc. (Importers of All Kinds), 46 Cliff, New York
*See adv index at end of book*
International Agricultural Corp. (Salts), 61 B'way, New York
Jones Enos F. Chemical Co. (Pearl Ash), 51 Jay, New York
Klipstein A. & Co. (Carbonate Caustic, etc, Imp). 644 Greenwich, New York
McKesson & Robbins (Imp, Salts, Cyanide, etc) 91 Fulton, New York
Mallinckrodt Chemical Works (Caustic), 2d & Mallinckrodt, St. Louis, Mo.
Mechling Bros. Mfg. Co. (Granulated (Caustic), Camden, N. J.
Michigan Electrochemical Co., Menominee, Mich.
National Aniline & Chemical Co., Inc. Chlorate, Cyanide & Prussiate), 21 Burling Slip, New York
National Electrolytic Co. (Chlorate), Niagara Falls, N. Y.
Natural Products Refining Co. (Bichromates), 902 Garfield av, Jersey City, N. J.
New Orleans Acid & Fertilizer Co. (Muriate, Sulphate, etc.), Gretna, La.
Niagara Alkali Co. (Electrolytic Caustic), Niagara Falls, N. Y.

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Ohio Salt Co. (Chlorate), Pittman, O.
Partola Mfg. Co., 160 2nd av, New York
Passolt Henry Co., Saginaw, Mich.
Penn Chemical Works (Powdered Caustic), 1332 Washington av, Phila., Pa.
Peters-White & Co. (Caustic, Imported), 55 John, New York
Powers - Weightman - Rosengarten Co., 916 Parrish, Phila., Pa.
Riker J. L. & D. S. (Caustic, Imp), 19 Cedar, New York
Roessler & Hasslacher Chemical Co. (Prussiate, Carbonate, Caustic, Chlorate, etc), 709 6th av, New York
Takamine Commercial Corp. (Imp. Chlorate, Muriate & Caustic), 120 B'way, New York
Tupelo Fertilizer Factory (Importers Muriate of Potash), Tupelo, Miss.
Utah Potash Co., Trenton, N. J.
Utah Salduro Co. ("U. S." Muriate), Salt Lake City, Utah
Walter Edw. J. Co. (Salts, Brokers), American bldg, Baltimore, Md.
Wander, S. & Sons' Chemical Co., Albany, N. Y.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Welch, Holme & Clark Co. (Caustic & First Sorts), 383 West, New York
Western Industries Co. (Salts), 110 Sutler, San Francisco, Cal.
White Thos. H. & Co. (Muriate, etc), 11 S Gay, Baltimore, Md.
Wiarda Jno. C. & Co. (Bichromatic, Black Rock, Cyanide, First Sorts, Flouride, Nitrate, Sulphuret), 273 Greene, Brooklyn, N. Y.

## Potash (Bicarbonate)

(See Potassium Bicarbonate)

## Potash (Bichromate)

(See Potassium Bichromate)

## 11413—Potash (Caustic Fused)

Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Fergusson Alex. C. Jr., 474 Chestnut st, Phila., Pa. *See adv index at end of book*
**INNIS, SPEIDEN & CO., INC.** (Broken, Sticks, all Tests), 46 Cliff, New York
*See adv index at end of book*
Niagara Alkli Co., Niagara Falls, N. Y.
Wander, S. & Sons, Chemical Co., Albany, N. Y.

## Potash (Permanganate)

(See Potassium Permanganate)

## 11414—Potassium Bicarbonate

Klipstein & Co., 644 Greenwich, New York
Mutual Chem. Co. of America, 55 John, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 11415—Potassium (Bichromate)

Drakenfeld B. F. & Co. (Imp.), 50 Murray, New York
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Klipstein A. & Co., 644 Greenwich, New York
Mutual Chemical Co. of America, 55 John, New York
Natural Products Refining Co. ("Naproco") 902 Garfield av, Jersey City, N. J.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 11415a—Potassium (Binoxalate)

American Alkali & Acid Co., Bradford, Pa.
Cooper Chas. & Co., 194 Worth, New York
Hummel & Robinson, 26 Cortlandt, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York

## 11416— Potassium Bromide

Dow Chemical Co. (Granular & Crystals), Midland, Mich.
Drakenfeld B. F. & Co. (Imp), 50 Murray, New York
**Greeff R. W. & Co., 78 Front, New York**
Halogen Chemical Co., Bay City, Mich.
Merck & Co., 45 Park pl, New York
New York Quinine & Chemical Works, 135 William, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Potassium Carbonate

(See Carbonate of Potash)

## 11416a—Potassium (Carbonate Calcined)

Drakenfeld & Co. (Imp.), 120 B'way, New York
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 11416b—Potassium (Chlorate)

Cooper Chas. & Co., 194 Worth, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*
Monmouth Chemical Co., 106 Wall, New York
National Aniline & Chemical Co., 21 Burling Slip, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Takamine Commercial Corp., 120 B'way, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda John C. & Co., 273 Greene, B'klyn, N. Y.

## 11416c—Potassium (Chloride)

Ashcraft Wilkinson Co., Atlanta, Ga.
Innis, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 11416d— Potassium (Cyanide)

Cooper Chas. & Co., 194 Worth, New York
Mine & Smelter Supply Co., Denver, Colo.
National Aniline & Chemical Co., Ltd., 21 Burling Slip, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda John C. & Co., 273 Greene, B'klyn, N. Y.

## 11416e—Potassium-Ferri Cyanide

Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 11416f—Potassium-Ferro Cyanide

Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 11416g— Potassium (Iodide)

Cooper Chas. & Co. (U. S. P.), 194 Worth, New York
Mallinckrodt Chamical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
**Nagase D. & Co., Ltd., 120 B'way, New York**
N. Y. Quinine & Chemical Wks. 114 William, New York
**Squibb E. R. & Sons, 80 Beekman, New York**
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
Takamine Commercial Corp., 120 B'way, New York

## 11417—Potassium Metabisulphite

**Bischoff C. & Co. (Imp), 451 Washington, New York**
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## Potassium Nitrate

(See Nitrate of Potassium)

## 11417a— Potassium (Oxalate)

Cooper Chas. & Co., 194 Worth, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 11417b—Potassium Permanganate

Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Fuller, Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Holz & Co., Inc., 18 Madison av, New York**
*See adv index at end of book*
Niagara Alkali Co., Niagara Falls, N. Y.

POTASSIUM PERMANGANATE—cont.

Roessler & Hasslacher Chemical Co., 709 6th av, New York
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 11418—Potato Coverers & Hillers

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
Caledonia Bean Harvester Works, Caledonia, N. Y.
Champion Drill Co., Avon, N. Y.
Dorsch John & Sons (Combination Hiller & Digger), 209 Wells, Milwaukee, Wis.
Doughten H. W. ("Darnell's" Furrower & Coverer), Moorestown, N. J.
Eddy W. Plow Co. (Coverer), Greenwich, N. Y.
Empire Plow Co., 3140 E 65th, Cleveland, Ohio
Everts Mfg. Co., Meridian, N. Y.
Hirsch Bros. (Hiller), 267 Reed, Milwaukee, Wis.
Le Roy Plow Co., Le Roy, N. Y.
Munnsville Plow Co., Munnsville, N. Y.
Sargent, Osgood & Roundy Co. (Hiller), Randolph, Vt.
Syracuse Chilled Plow Co., Syracuse, N. Y.

## 11418a— Potato Flour

Arabol Mfg. Co., 100 William, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*
Rutger Bleecker, 87 Wall, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.

## 11419— Potentiometers

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Leeds & Northrup Co. ("Brook's"), 4901 Stenton av, Phila., Pa.
Queen-Gray Co., 618 Chestnut, Phila., Pa.

## 11419a— Potentiostats

U. S. E. M. Co., 301 W 37th, New York

## 11420— Potheads & Sleeves

Barcy-Nicholson Co., 837 W Fort, Detroit, Mich.
Bissell F. Co., Toledo, O.
Brady Electric Mfg. Co., New Britain, Conn.
Colonial Sign & Insulator Co. ("Colonial" All Porcelain, Potheads), Akron, O.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Electrical Engineers Equipment Co., 711 Meridian, Chicago, Ill.
G. & W. Electric Specialty Co. ("G. & W." Detachable Porcelain), 7440 S Chicago av, Chicago, Ill.
Minerallac Electric Co., 1045 Washington blvd, Chicago, Ill
Moon Mfg. Co. (Self Soldering), 122 N Jefferson, Chicago, Ill.
Okonite Co. ("Candee"), Passaic, N. J.
Protective Elect'l Supply Co., Fort Wayne, Ind.
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
Western Elec. Co., 463 West, New York

## 11421— Pots (Acid)

Devine J. P. Co., Buffalo, N. Y.
Duriron Castings Co., Dayton, O.
Knight, Maurice A., Akron, Ohio

## 11422— Pots (Annealing)

Blaw-Knox Co., Freeport rd., Hoboken, Pa.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Continental Iron Works, West & Calyer, Brooklyn, N. Y.
Eclipse Fuel Engineering Co. (Pressed Steel), Rockford, Ill.
Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*
Globe Malleable Iron & Steel Co., 101 Greenway av, Syracuse, N. Y.
Ludlum Steel Co., Watervliet, N. Y.
Mackenzie's Duncan Sons Co., Trenton, N. J.
Metals Production Equipment Co., Springfield, Mass.
Morgan Construction Co., Worcester, Mass.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Philadelphia Roll & Machine Co. (For Wire, Steel & Iorn), 25th & Washington, Phila., Pa.
Pressed Steel Tank Co. (Seamless, Steel), 58th & Greenfield av, Milwaukee, Wis.
Smith Geo. H. Steel Casting Co. (Steel), 500 Clinton, Milwaukee, Wis.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Zanesville Malleable Co., Zanesville, O.

## 11423—Pots (Asphalt & Mastic)

Evans F. H. (Est. of), 31 Hewes, Brooklyn, N. Y.

## 11424— Pots (Bean)

Dorchester Pottery Works, 9 Preston, Boston, Mass.
Farber S. W., 147 S 5th, Brooklyn, N. Y.
Wingender Chas. & Bros., Haddonfield, N. J.

## 11424a— Pots (Bleach)

Acid Proof Iron Products Co., Inc., 49 Herman, Newark, N. J.
Duriron Castings Co., Dayton, O.

## Pots (Burnishing)

See Stoneware, Chemical

## 11425—Pots (Case Hardening)

Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*

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GARWOOD BRONZE & IRON WKS.
GARWOOD, N. J.

Ludlum Steel Co., Watervliet, N. Y.
Wharton Wm. Jr. & Co., Inc. (Cast Steel), Easton, Pa.

## Pots (Caustic)

See Pots, Chemical

## 11426— Pots (Chemical)

Bethlehem Foundry & Machine Co. (Cast Iron), South Bethlehem, Pa.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
**FARRAR & TREFTS, INC.**, Buffalo, N. Y.
*See adv index at end of book*
Fulton Fdry. Co., 1209 Marquett av, Cleveland, O.
Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Knight Maurice A. (Stoneware), Akron, O.
Marshall Foundry Co., 28th & RR, Pittsburgh, Pa.
Moore Sam'l L. & Sons, Elizabeth, N. J.
Withers Foundry & Machine Works, Atlanta, Ga.

## 11427— Pots (Cinder)

Marshall Foundry Co., 28th & RR, Pittsburgh, Pa.

## Pots (Decanting)

See Stoneware, Chemical

## Pots (Dross)

See Kettles, Dross

## 11428— Pots (English)

Birmingham Stove & Range Co. (Cast Iron), Birmingham, Ala.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Indiana Hollow Ware Co. (Cast Iron), Jeffersonville, Ind.

## 11429— Pots (Fire)

See also Furnaces, Gasoline Blast; also Furnaces, Soldering

American Brass & Copper Co. ("American"), 138 Lafayette, New York
Ashton Mfg. Co. ("Red Hot" Gasoline), 184 Emmet, Newark, N. J.
Berger Bros. Co., 229 Arch, Phila., Pa.
Best Light Co., 477 Second N E, Canton, Ohio
Canedy-Otto Mfg. Co. ("Royal" Needs No Clay), Chicago Heights, Ill.
Clayton & Lambert Mfg. Co. (Gasoline Soldering, Kerosene, Canners', Electricians' & Lineman's, Plumbers' & Tinners', etc), 1370-80 Beaubien, Detroit, Mich.
Detroit Heating & Lighting Co. (Tinners'), Lieb & Wight, Detroit, Mich.
Diener Geo. W. Mfg. Co. ("Torrid"), 400 Monticello av, Chicago, Ill.
Double Blast Mfg. Co. ("Lundy Double Blast"), North Chicago, Ill.
Globe Gas Light Co. ("Barthel"), 11 Union, Boston, Mass.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Kemp C. M. Mfg. Co. ("Climax," Gas), 405 E Oliver, Baltimore, Md.
**NIAGARA MACHINE & TOOL W'KS**, (Charcoal, Gas, etc), Buffalo, N. Y.
*See adv index at end of book*
Orleans Steel Products Co., Inc., 1021 Brenville, New Orleans, La.
Quinn Mfg. Co. ("Quinn's"), Detroit, Mich.
Reliable Stove Co., 1787 E 40th, Cleveland, O.
Tirrill Gas Machine Lighting Co., 103 Park av, New York
Turner Brass Works, Sycamore, Ill.
Vaughn Machinery Co., Cuyahoga Falls, Ohio *See adv index at end of book*
Wotherspoon Jas. R. (Tinsmiths), 288 N Front, Phila., Pa.

## 11430— Pots (Flower)

Bird & Son ("Neponset" Waterproof Paper), East Walpole, Mass.
Cambridge Tile Mfg. Co., Covington, Ky.
Detroit Flower Pot Mfg. Co., Lafferty & Howard, Detroit, Mich.
Findlay Clay Pot Co., Findlay, O.
Goodwin Bros. Pottery Co., Elmwood, Conn.
Hall Concrete Products Co. ("Artcrete"), Grassland, Pa.
Hews A. H. & Co., Cambridge, Mass.
Hilfinger Bros., Fort Edward, N. Y.
Ionia Pottery Co., Ionia, Mich.
Keller Pottery Co., Norristown, Pa.
National Pottery Co., Rossville, Ohio
Peters & Reed Pottery Co. (Also Jardineres), Zanesville, O.
Pfaltzgraff Pottery Co., York, Pa.
Rochelle F. W. & Sons (Paper), Chester, N. J.
Springfield Clay Mfg. Co., Springfield, O.
Standard Toy Marble Co., Akron, O.
Syracuse Pottery, 713 E Division, Syracuse, N. Y.
Uhl Pottery Co., Evansville, Ind.
Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.
Whildin Pottery Co., 713 Wharton, Phila., Pa.

## Pots (Galvanizing)

See Kettles, Galvanizing

## Pots (Glass Melting)

See Glass House Clay Supplies

## 11431— Pots (Glue)

See also Heaters, Glue

Beck Chas. Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Indiana Hollow Ware Co., Jeffersonville, Ind.
General Electric Co. (Electric), Schenectady, N. Y. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
Nason Mfg. Co., 71 Fulton, New York.
Reading Saddle & Mfg. Co. ("Home," Household), Reading, Pa.
Russell Elec. Co. ("Hold Heet"), 140 W Austin, Chicago, Ill.
Scattergood H. W. Co. ("Scattergood"), 1722 W Venango, Philadelphia, Pa. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Electric), East Pittsburgh, Pa. *See adv index at end of book*

## 11432— Pots (Lead)

McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Sperry D. R. & Co. (For Mixing White Lead & Oil, etc.), Batavia, Ill.

## 11433— Pots (Marking)

**AMERICAN CAN CO., 120 Broadway, New York** *See adv index at end of book*
Atlanta Rubber Stamps & Stencil Works, Atlanta, Ga.
Binney & Smith Co. (Cylindo), 81 Fulton, New York
Bradley A. J. Mfg. Co. ("Bradley" Combination, Ball Marking & Stencil), 101 Beekman, New York *See adv index at end of book*
Central Stamping Co., 174 Fulton, New York
Elliott Mfg. Co., Warren, Ill.
Geuder, Paeschke & Frey Co. (Pieced Tin), 1314-1700 St. Paul av, Milwaukee, Wis.
Kraft A. C., 323 W Lake, Chicago, Ill.
National Enameling & Stamping Co., 411 5th av, New York
Scattergood H. W. Co., 1722 W Venango, Philadelphia, Pa.
Sexton Can Co., 123 Broad, Boston, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Sullivan-Geiger Co., Indianapolis, Ind.

## 11434— Pots (Melting)

Advance Mfg. Co., Erie, Pa.
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Welding Co. (For Lead, etc.), Carbondale, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Canton Foundry & Machine Co. (Cast Iron), Canton, O.
Clark W. J. Co., Salem, O.
Crane Wm. M. Co. ("Vulcan"), 16 W 32d, New York
Francis Charles E. Co., Rushville, Ind.
Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*
Glenn Fred. E., St. Charles, Ill.
Gwynn-Bacon Vulcanizer Co., 2502 Cass, St. Louis, Mo.
Hulbert Electro Steam Mfg. Co., 200 Tehama, San Francisco, Cal.
International Elec. Co., Indianapolis, Ind.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Labey's Elec. Mfg. Co., Indianapolis, Ind.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
Philadelphia Roll & Machine Co. (Steel & Iron), 25th & Washington av, Phila., Pa.
Stevens Frederic B. (Babbitt Metal), 3d & Larned, Detroit, Mich. *See adv index at end of book*
Strong, Carlisle & Hammond Co., 336-344 Frankfort av N W, Cleveland, O.
Union Iron Works (Lead Melting), Hoboken, N. J.
Vulcan Elec. Htg. Co., 107 W 13th, New York
Wilfong Millard F. Iron Works Co., 52d & Gray's av, Phila., Pa.

## 1435— Pots (Mixing)

Bethlehem Foundry & Machine Co., So Bethlehem, Pa.
Graham Chas. Chemical Pottery Works (Stoneware), 986 Met av, Brooklyn, N. Y.

## Pots (Nitre)

See Pots, Chemical

## 11436— Pots (Paint)

Sexton Can Co. ("Sexton's" Tapering Iron), 123 Broad, Boston, Mass.

## 11437—Pots (Pouring, Asphalt, Etc.)

Albany Belting & Supply Co., Albany, N. Y.
Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.

## 11438— Pots (Salinometer)

National Gauge Co., 300 Pacific, Brooklyn, N. Y.
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.

## 11439— Pots (Saturating)

**BIGGS BOILER WORKS CO.** (For Rubber Mills), Case av & Williams, Akron, O. *See adv index at end of book*

## 11440— Pots (Slag)

Farrar & Trefts, Inc., Buffalo, N. Y. *See adv index at end of book*
**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 Broadway, New York *See adv index at end of book*
Marshall Foundry Co., 28th & R. R., Pittsburgh, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Worthington Pump & Machinery Corp., 115 B'way, New York *See adv index at end of book*

## 11441— Pots (Smudge)

American Steel Pipe & Tank Co. ("Coe" Smokeless), Los Angeles, Cal.

## 11442— Pots (Solder)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Ashton Mfg. Co. ("Red Hot" Metal), 184 Emmet, Newark, N. J.
Best Light Co., 477 Second N E, Canton, O.
Bignall Co., Medina, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Casey-Hedges Co., Chattanooga, Tenn.
Central Foundry Co., 90 West, New York
Clayton & Lambert Mfg. Co. (Metal, Plumbers), 1370-80 Beaubien, Detroit, Mich.
Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*
Glenn Fred E., St. Charles, Ill.
Hollands Mfg. Co., 352 E 18th, Erie, Pa.
Indiana Hollow Ware Co., Jeffersonville, Ind.
Jones Hollow Ware Co., 1012 Ashland av, Baltimore, Md.
Kupferle Jno. C. Fdry. Co., 1st & Wright, St. Louis, Mo.
Modern Iron Works, Quincy, Ill.
Mott J. L. Iron Works, Trenton, N. J.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Russell Elec. Co. ("Hold Heet"), 140 W Austin, Chicago, Ill.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Sperry D. R. & Co., Batavia, Ill.
Stortz John & Son, 210 Vine, Phila., Pa.
Stuart & Peterson Co., Burlington, N. J.
Swett A. L. Iron Works, Medina, N. Y.
Turner Brass Works, Sycamore, Ill.

## Pots (Sprinkling)

See Pots, Watering

## Pots (Stencil Marking)

See Pots, Marking

## 11442a—*Pots (Sulphonation)

Buffalo Foundry & Machine Co. (Phenol & Picric Acid), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*

## 11443— Pots (Tallow)

American Tube & Stamping Co., Bridgeport, Conn.
Eagle Mfg. Co., Wellsburg, W. Va.
**GEM MFG. CO.** ("Gem" Heavy Brazed Steel, Copper Plated & Polished Steel) Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
Johnson Mfg. Co., Urbana, O.
Noera Mfg. Co. (Nickel Plated Steel), Waterbury, Conn.
Sands Steel Specialties Co., 6947 Susquehanna, Pittsburgh, Pa.
Wall P. Mfg. Supply Co., 705 Preble av, N S, Pittsburgh, Pa.

## Pots (Tea & Coffee)

See Copper Ware, Stamped, Plated, etc.; also Enameled Ware Mfrs.; also Tinware Mfrs.; also Hollow Ware Mfrs.; also Aluminum Hollow Ware; also Percolators, Coffee

## 11444— Pots (Tempering)

Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*
National Tube Co. ("Shelby" Seamless Steel Tubing), Frick bldg, Pittsburg, Pa.
Wharton Wm. Jr. & Co., Inc. (Cast Steel), Easton, Pa.

## 11445— Pots (Tinning)

Garwood Bronze & Iron Works, Garwood, N. J. *See adv index at end of book*
Philadelphia Roll & Machine Co., 25th & Washington av., Phila, Pa.
Treadwell Construction Co., Midland, Pa.

## 11446— Pots (Vapor)

General Fire Extinguisher Co., Providence, R. I.

## 11447— Pots (Watering)

See also Enameled Ware Mfrs.; also Tinware Mfrs.

Atlantic Stamping Co. ("Atlantic," Sprinkling, Galvanized Iron), 156-180 Ames, Rochester, N. Y.
Central Stamping Co. ("Central" & "Newark"), 172 Fulton, New York
Crunden-Martin Mfg. Co. (Galvanized), 2d & Gratiot, St. Louis, Mo.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Geuder, Paeschke & Frey Co. (Galvanized Iron, etc.), 1314-1700 St. Paul av, Milwaukee, Wis.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Ltd.), ("Lisk" Galvanized Iron), Canandaigua, N. Y.
National Enameling & Stamping Co., 374 B'way, New York
Rochester Can Co. ("Iron Horse" Galvanized Sprinkling Cans), Rochester, N. Y. *See adv index at end of book*
Schlesinger Leo. & Co., 66 Wooster, New York
Wotherspoon Jas. R. ("Wotherspoon"), 238 N Front, Phila., Pa.

## 11448— Potteries

Abingdon Sanitary Mfg. Co., Abingdon, Ill.
Acme Sanitary Pottery Co., Trenton, N. J.
American Clay Products Mfg. Co., Stillwater, Minn.
American Sanitary Works, Washington, N. J.
Anchor Pottery, Trenton, N. J.
Baker Charles, Rockville, Ind.
Baldoser & Pace Pottery Co., Roseville, O.
Bangor Stoneware Co., Bangor, Me.
Bellmark Co., Trenton, N. J.
Bennett Edwin Pottery Co., Eden & Fleet, Baltimore, Md.
Bohemian Pottery Co., Zanesville, O.
Bowers Pottery Co., Mannington, W. Va.
Brush-McCoy Pottery Co., Zanesville, O.
Buckeye Stoneware Co., Buckeye Cottage, O.
Buffalo Pottery Co., Buffalo, N. Y.
Burley & Winter Pottery Co., Crooksville, O.
California Pottery Co., Otis, San Francisco, Cal.
Camden Pottery Co., Camden, N. J.
Cannelton Stoneware & Pottery Co., Cannelton, Ind.
Canonsburg Pottery Co., Canonsburg, Pa.
Carrollton Pottery Co., Carrollton, O.

POTTERIES—continued

Cartwright Bros. Co. (Druggists), East Liverpool, O.
Clark Bros. Pottery Co., Cannelton, Ind.
Cochran, Drugan & Co., Trenton, N. J.
Cook Bros. Pottery Co., Gadsden Ala.
Crooksville China Co., Crooksville O.
Crooksville Pottery Co., Crooksville, O.
Crown Potteries Co., Evansville, Ind.
Dalton Pottery Co., Dalton, O.
Dedham Pottery Co., East Dedham, Mass.
Dickey W. S. Clay Mfg. Co., N. Y. Life bldg, Kansas City, Mo.
Diehl Pottery Co., Drexel bldg, Phila., Pa.
Douglas John Co., Carthage, Cincinnati, O.
Dunlop & Lisk Pottery Co., Matawan, N. J.
East Liverpool Potteries Co. (Decorated), East Liverpool, O.
Economy Pottery Co., Trenton, N. J.
Elite Pottery Co., Trenton, N. J.
Eljer Co., Cameron W. Va.
Fearon Brown Co. (Imp.), 96 Wall, New York
Florentine Pottery Co., Chillicothe, O.
Ford Porcelain Works, Perth Amboy, N. J.
French China Co. (Dinner, Toilet), Sebring, O.
Fulper Pottery Co. (Stone Liquor Jugs), Flemington, N. J.
Galloway Terra Cotta Co., 3216 Walnut, Phila., Pa.
Garden City Pottery Co. San Jose, Cal.
Gladding, McBean & Co., Crocker bldg. San Francisco, Cal.
Goodwin Bros. Pottery Co., Elmwood, Conn.
Graham Chas. Chemical Potter Wks. (Acid Proof Chemical), 986 Metropolitan av, Brooklyn N. Y.
Greenwood China Co., Trenton, N. J.
Greenwood Pottery Co., Trenton, N. J.
Guernsey Earthenware Co., Cambridge, O.
Hampshire Pottery, Inc. ("Hampshire" Artistic), Keene, N. H.
Harker Pottery Co. (Decorated), East Liverpool O.
Hawthorn Pottery Co., Hawthorn, Pa.
Helfrich Pottery Co., Evansville, Ind.
Hews A. H. & Co., Cambridge, Mass.
Hilfinger Bros., Fort Edward, New York
Hull A. E. Pottery Co. Crooksville, O.
Hyssong C. A., Bloomsburg, Pa.
International Pottery Co. (Decorated, Semi-vitreous), Trenton, N. J.
Ionia Pottery Co., Ionia, Mich.
Keller George Pottery Co., 2618 Herndon, Chicago, Ill.
Keller Pottery Co., Norristown, Pa.
Keystone Pottery Co., Trenton, N. J.
Knight M. A. (Acid-proof Chemical Stoneware), Akron, O.
Knowles Edwin M. China Co. (Dinner, Toilet), East Liverpool, O.
Knowles Taylor & Knowles Co. (Decorated, Semi-vitreous), East Liverpool, O.
Lambertville Pottery Co., Lambertville, N. J.
Laughlin Homer China Co., East Liverpool, O.
Lavey James B., Milan, O.
Limoges China Co. (Table), Sebring, O.
Logan Pottery Co., Logan, O.
Louisville Pottery Co. (Mfrs.), Floyd & Bloom av, Louisville, Ky.
Lowry Curtis W, Roseville, O.
Lowry F. S., Roseville, O.
Lyons Stoneware & Pottery Co., Lyons, N. Y.
McCoy-Nelson Sanitary Stoneware Co., Roseville, O.
McDade Pottery, McDade, Tex.
McNicol D. E. Pottery Co. (Decorated), East Liverpool, O.
Maddock John & Sons, Trenton, N. J.
Maddock's Thos. Sons Co., Trenton, N. J.
Mercer Pottery Co. (Decorated, White), Trenton, N. J.
Midland Pottery Co., Zanesville, O.
Missouri Pottery & Mfg. Co., Kansas City, Mo.
Mohawk Clay Products Co. ("Moco"), Perrysville, O.
Monument Pottery Co. (Majolica), Trenton, N. J.
Morris China Co., Trenton, N. J.
Nashville Pottery Co., Nashville, Tenn.
National China Co., Salineville O.
National Pottery Co., Roseville, Ohio
New Jersey China Pottery Co., Trenton, N. J.
Niloak Pottery, Benton, Ark.
Norse Pottery Co., Rockford, Ill.
Ohio China Co. (Decorated), East Palestine, O.
Ohio Pottery Co., Zanesville, O.
*See adv index at end of book*
Onondaga Pottery Co., Syracuse, N. Y.
Owen China Co. (All Kinds), Minerva, O.
Owens J. B. Floor & Wall Tile Co. (Art), Zanesville, O.
Pace Bros. & Son, Roseville, O.
Pacific Coast Pottery & Terra Cotta Co., San Jose, Cal.
Pacific Porcelain Ware Co., 67 New Montgomery, San Francisco, Cal.
Paden City Pottery Co. (Fireproof Cooking Ware), Paden City, W. Va.
Paducah Pottery Co., Paducah, Ky.
Patterson Bros. (Decorated), Wellsville, O.
Peerless Statuary Co., Rahway, N. J.
Perine M. & Sons 1009 W Baltimore, Baltimore, Md.
Peters & Reed Pottery Co., Zanesville, O.
Pewabic Pottery Co., Penobscot bldg, Detroit, Mich.
Pfaltzgraff Pottery Co. (Stoneware), York, Pa.
Phoenix Pottery Co., Bordentown, N. J.
Pierron Pottery Co., 31 Johnson, Milwaukee, Wis.
Potters Co-operative Co. (Decorated), East Liverpool, O.
Ransbottom Bros. Pottery Co., Roseville, O.
Rapp Bros., Morton, Ill.
Resolute Pottery Co., Trenton, N. J.
Ritger Excelsior Pottery Co., 495 5th, Newark, N. J.
Robineau Pottery, Syracuse, N. Y.
Robinson Clay Product Co., Akron, O.
Rookwood Pottery Co. (Art), Rookwood pl, Cincinnati, O.
Roseville Pottery Co., Zanesville, O.
Royal China Co., Sebring, O.
Sanitary Earthenware Specialty Co., Trenton, N. J.
Saxe E. W. Pottery Co., 3519 E 71st, Cleveland, O.
Sebring China Co., Sebring, O.
Sebring E. H. China Co., Sebring, O.
Shenango Pottery Co., New Castle, Pa.
Smith-Phillips China Co. (Decorated), East Liverpool, O.
South Carolina Pottery Co., North Augusta, S. C.
Southern Potteries, Inc. ("Clincfield"), China, Erwin, Tenn.
Standard Pottery Co. (Decorated), East Liverpool, O.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Standard Sanitary Pottery Co., Elizabeth, N. J.
Star Stoneware Co., Crooksville, O.
Steubenville Pottery Co. (Tableware), Steubenville, O.
Stevens Bros. Co., Stevens Pottery, Ga.
Stine C. W. Pottery Co., White Cottage, O.
Summit China Co., Akron, O.
Swope George A., Lancaster, Pa.
Syracuse Pottery (Flower Pots), 713 E Division, Syracuse, N. Y.
Thompson C. C. Pottery Co. (All Kinds), East Liverpool, O.
Trenton Fire Clay & Porcelain Co., Trenton, N. J.
Trenton Potteries Co. (Decorated), Trenton, N. J.
Union Clay Products Co., Bloomingdale, Ind.
Universal Sanitary Mfg. Co., New Castle, Pa.
Van Briggle Tile & Pottery Co., Colorado Springs, Colo.
Van Pottery Co., Trenton, N. J.
Vodrey Pottery Co. (Decorated), East Liverpool, Ohio
Volkmar Kilns, Metuchen, N. J.
Warwick China Co. (Decorated), Wheeling, W. Va.
Weaver Pottery Co., Catlettsburg, Ky.
Weller S. A. (Faience), Zanesville, O.
Wellsville China Co. (Decorated), Wellsville, O.
West End Pottery Co. (Decorated), East Liverpool, O.
Western Pottery Co., 3107 S Michigan av, St. Louis, Mo.
Western Pottery Co., Denver, Colo.
Wheatley Pottery Co., Cincinnati, O.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.
White Hall Pottery Works, White Hall, Ill.
Winfield Pottery Co., Winfield, Tex.
Wingender Charles & Bro., Haddonfield, N. J.
Woodbridge Pottery Co., Woodbridge, N. J.
Wright Tyndale & Van Roden, 1212 Chestnut, Phila., Pa.
Yellow Rock Pottery Co., Phila., Pa.
Zanesville Art Pottery Co. (Pitchers), Zanesville, O.
Zanesville Stoneware Co. (Tableware), Zanesville, O.

## 11449— Potters' Supplies

Burgess & Co., East Liverpool, O.
Excelsior Ball Clay Co. (Clays), Cincinnati, O.
Fuerst Bros. & Co., 2 Stone, New York
Golding Sons Co. (Clays, Feldspar, etc), Trenton, N. J.
Milligan Hardware & Supply Co. (Brushes, Magnets & Vails), East Liverpool, O.
Mountford & Son, East Liverpool, O.
Potters Mining & Milling Co., East Liverpool, O.
Potters Supply Co., East Liverpool, O.
Sant Jno. & Sons Co., East Liverpool, O.

## 11450— Pouches (Mail)

Amer. Commercial Corp., 120 B'way, New York

## 11451— Poultry Supplies

Barnes Bros., Wellsville, N. Y.
Marble Cliff Quarries Co. (Poultry Grit), Columbus, O.
O. K. Company, 157 Water, New York
Woodall Mfg. Co. (Roost Bars—Lice Traps), Davenport, Ia.

## 11452— Pounders (Steak)

Arcade Mfg. Co. (Or Meat), Freeport, Ill.
Grey Iron Casting Co. ("Mt Joy," etc), Mt. Joy, Pa.
Nicol & Co. ("Star," Ice Pick & Steak Pounder), 218 N Jefferson, Chicago, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Wagner Mfg. Co. ("Daisy"), Cedar Falls, Ia.
White Ira F. & Son Co., Bloomfield, N. J.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

## 11453—*Pounders (Steak, Spice, etc.)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
***See adv index at end of book***

## 11454— Powder Mfrs.

AETNA EXPLOSIVES CO., INC. (Blast- & Sportsman's), 165 B'way, New York
American Luminous Products Co. ("Radio"), Hunting Park, Cal.
American Powder Mills ("Dead Shot" Black & Smokeless), Board of Trade bldg, Boston, Mass.
American Smokeless Powder Co. (Smokeless), 131 State, Boston, Mass.
ATLAS POWDER CO., 140 N Broad, Phila., Pa.
Austin Powder Co., 1229 Rockefeller bldg, Cleveland, O.
Black Diamond Powder Co., Pittston, Pa.
Cameron Powder Mfg. Co., Emporium, Pa.
Cressona Powder Co. (Blasting), Pottsville, Pa.
Dittmar Powder Works, 102 W 130th, New York
Du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Egyptian Powder Co., East Alton, Ill.
Equitable Powder Mfg. Co., East Alton, Ill.
Giant Powder Co. (Blasting), 1st Nat'l. Bk. bldg, San Francisco, Cal.
Grasselli Powder Co. (Blasting), Guardian bldg, Cleveland, O.
HERCULES POWDER CO. (Military "Hercules" Blasting Powders) (see dynamite for other brands), "Hercules" Sporting Powder, L. & R. Orange Extra Black Sporting, "Infallible." "E. C." Smokeless Powders for Shotguns, Smokeless Rifle Powders, "Lightning," "Sharpshooter," "W. A., 30 Cal." Hercules No. 300 & No. 308, & "Unique"; "Bullseye" for Pistols & Revolvers), Wilmington, Del.
*See adv index at end of book*

Haynes Safety Powder Co. (Safety), Leader News bldg, Cleveland, O. Works: Massillon, O.
King Powder Co. ("King" Smokeless, "F. F. G." Semi Smokeless), First Nat. Bank bldg, Cincinnati, O.
McAbee G. R. Powder & Oil Co. ("Tannelite," Safety for Coal Mining), Keenan bldg, Pittsburgh, Pa.
Miller Jas. S., Sumneytown, Pa.
Nixon Nitration Wks. (Smokeless), New Brunswick, N. J.
Nitro Powder Co. (Gun Powder, Black), Kingston, N. Y.
Pennsylvania Trojan Powder Co. ("Trojan" Non-Freezing), Allentown, Pa.
Rendrock Powder Co. ("Rack-A-Rock"), 106 Wall, New York
Roberts Powder Co., Shenandoah, Pa.
Rockdale Powder Co., York, Pa.
Shamokin Powder Co. (Blasting), Shamokin, Pa
Standard Powder Co. (Black), 2nd Nat Bank bldg, Pittsburgh, Pa.
United Safety Powder Co., Louisville, Ky.
United States Powder Co. (Explosive), Terre Haute, Ind.
Western Powder Mfg. Co., East Alton, Ill.

## Powder Blue

See Blue Powder

## 11455— *Powder Squib

**HERCULES POWDER CO.**, Wilmington, Del. *See adv index at end of book*

## 11456-7-8—Powder Thawers

Rundle A. J. ("Rundle's"), Iron Mountain, Mich.

## Powder (Washing)

See Powders, Soap

## Powders (Aluminum)

See Bronze Powders

## 11459— Powders (Bleaching)

See also Chloride of Lime

Arnold Hoffman & Co., 55 Canal, Providence, R. I.
Babbitt, B. F., Inc. ("Acme"), 15 W 34th, New York
Clark Fred G. Co., 1081 W 11th Cleveland, O.
Dow Chemical Co., Midland, Mich.
Drackett, P. W. & Sons Co., 5020 Spring Grove av, Cincinnati, O.
Ferguson Bros., 109 Chestnut, Phila., Pa.
Fuerst Bros. & Co. (Imported), 2 Stone, New York
Graesseli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hollingsworth & Peterson, Lafayette bldg, Phila., Pa.
Hooker Electrochemical Co., 40 Wall, New York
INNIS, SPEIDEN & CO., INC. ("Isco"), 46 Cliff, New York
*See adv index at end of book*
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Mathieson Alkali Wks., Inc., (High Test), 53 Canal, Providence, R. I.
Michigan Electrochemical Co., Menominee, Mich.
Niagara Alkali Co., Niagara Falls, N. Y.
Partola Mfg. Co., 160 2nd av, New York
Pennsylvania Salt Mfg. Co., Widener bldg, Phila., Pa.
Riker J. L. & D. S. (Imp. & Mfrs. Agts.), 19 Cedar, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Tennant C. Sons & Co. of N. Y. (Imp), 100 William, New York
Wander, S. & Sons Chemical Co., Albany, N. Y.

## 11460—Powders (Carbonating)

Church & Dwight Co. ("Zenith"), 27 Cedar, New York

## 11461—Powders (Flattening)

Scheel Wm. H. (Imported), 159 Maiden Lane, New York
*See adv index at end of book*

## 11462—Powders (Hardening)

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Scheel Wm. H. (Imported), 159 Maiden Lane, New York
*See adv index at end of book*

## Powders (Insect)

See Insecticides

## 11462a— Powders (Scouring)

California Soap Co., 2437 E. 9th, Los Angeles, Cal.
Domestic Soap Mfg. Co., 113 6th, Long Island City, N. Y.
Hunnewell Soap Co., 312 Genesee, Cincinnati, Ohio.
Kenny J. T. & Co. ("Kennys"), St. Paul, Minn.
Larkin Co., 663 Seneca, Buffalo, N. Y.
Strunz S. & Son, 708 Bingham, Pittsburgh, Pa.

## 11463-4— Powders (Soap)

(See Also Soap Powders)

Allison Bros., Middletown, Conn.
American Soap & Washoline Co., Cohoes, N. Y.
Babbitt B. T. Inc. ("Babbitt 1776"), 15 W 34th, New York
Beach Soap Co. ("World"), Lawrence, Mass.
Bon Ami Co. (Selling Agents), Battery pl., New York
Central Soap Mfg. Co., 2671 E 75th, Cleveland, O.
Citrus Soap Co. ("Citrus"), San Diego, Cal.
Climalene Chemical Co., Canton, O.
Colgate & Co., 105 Hudson, Jersey City, N. J.
Cortland Specialty Co. ("Houts"), Cortland, N. Y.
Creta Creme Co., 520 27th, New York
Daggitts' Wm. H. Sons, 383 W 12th, New York City
Delbare Mfg. Co. ("Dell Bars"), 714 S Dearborn, Chicago, Ill.
Devillers Soap Co. ("National"), 95 Cliff, New York
Electric Compound Co., 211 W 16th, Los Angeles, Cal.
Electric Smelting & Aluminum Co. ("Alumina-Soapalite"), Lockport, N. Y.
Fairbank N. K. Co., 111 W Washington, Chicago, Ill.
Fichtenberg Hans E., 216 W Water, Milwaukee, Wis.
Flavell Co. (Wire Drawing), Asbury Park, N. J.
Globe Soap Co., United Bank bldg, Cincinnati, O.
Hunnewell Soap Co. ("Crown"), 312 Genesee, Cincinnati, O.
India Alkali Works ("Savogran"), 28 India Wharf, Boston, Mass.
Jidas J. D. Bros. & Co., 906 W North av, Chicago, Ill.
Kalamazoo Soap Co., Kalamazoo, Mich.
Kendall Mfg. Co., 90 Friendship, Providence, R. I.
Kenny J. T. & Co. ("Submarine"), St. Paul, Minn.
Kirkman & Son, 215 Water, Brooklyn, N. Y.
Klean-Wel Mfg. Co. ("Klean-Wel"), Superior Viaduct, Cleveland, O.
Lautz Bros. & Co., Buffalo, N. Y.
Modoc Co., Fernwood, Pa.
Orford Soap Co., Manchester, Conn.
Pennsylvania Soap Co., Lancaster, Pa.
Pioneer Mfg. Co. ("Shino"), Harvard av. & C. 103rd, Cleveland, Ohio
Pride of the Kitchen Co., 390 Smith, Brooklyn, N. Y.
Puritan Soap Co., ("Puritan"), 496 Exchange, Rochester, N. Y.
Robertson Theo. B. Products Co. ("Robertson's" Dish Washing), 700 W Division, Chicago, Ill.
Royal Chemical Co., Phenix, R. I.
Rub-No-More Co., Ft. Wayne, Ind.
Sibley Soap Co., Franklin, Pa.
Smith C. A. ("Index"), Hamilton, Ohio
Standard Chemical & Supply Co., 160 Second, Boston, Mass.
Strunz S. & Son, 708 Bingham, Pittsburgh, Pa.
Tomson P. C. & Co., 29 Washington av., Philadelphia, Pa.
Vera Chemical Co., No. Milwaukee, Wis.; Stoneham, Mass.; Burlington, Ont., Canada
Wayne Soap Co., Copeland & M. C. R. R. Co., Detroit, Mich.
Wilson & Co. (Washing), Union Stock Yards, Chicago, Ill.
Wrisley Allen B. Co., 923 Wells, Chicago, Ill.

## Powders (Sweeping)

See Compounds, Sweeping

# Send Corrections and Additions to the Publishers

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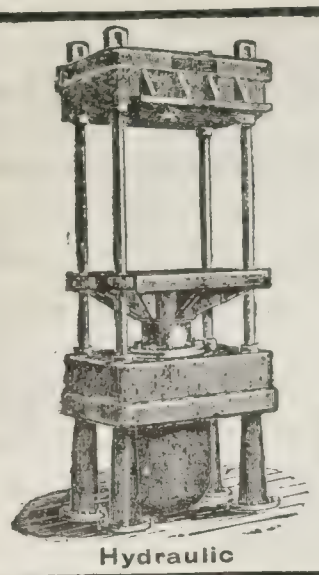
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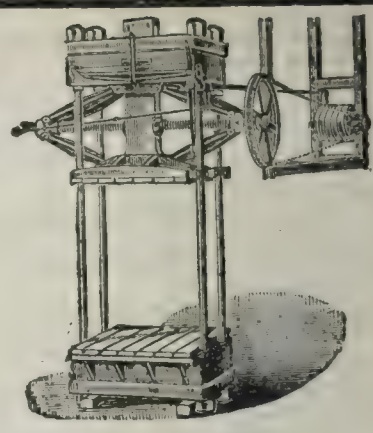
Knuckle Joint


## 11464a—*Power Equipment

**HOOVEN OWENS RENTSCHLER CO.** (Heavy Castings Compressors, Couplings & Engines), Hamilton, O. *See adv index at end of book*

## 11465—Powers (Dog, Sheep, Etc.)

Gowanda Agricultural Works, Gowanda, N. Y.
McDermaid J., Rockford, Ill.
Vermont Farm Machine Co., Bellows Falls, Vt.

## 11465a—*Precipitation (Electric Equipment)

General Electric Co., Schenectady, N. Y. *See adv index at end of book*

## 11466— Preheaters

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Davis-Watkins Dairymen's Mfg. Co., No. Chicago, Ill.
Rauch Henry & Son ("Universal" for Removing Old Pitch from Cooperage), Mt. Vernon, N. Y.

## 11466a—Preservatives (Hide & Skin)

American Trading Co., 25 Broad, New York
Chipman Chemical Engng. Co., Inc. ("Atlas S" for Curing), 195 Liberty, New York City
Fearon Brown Co., 96 Wall, New York

## 11467—Press Attachments for Preventing Accidents

**Benjamin Electric Mfg. Co.** (For Punching Presses, etc), 128 S Sangamon, Chicago, Ill. *See adv index at end of book*
Geuder, Paeschke & Frey Co. ("Cream City" Automatic Accident Preventor), 1314-1700 St. Paul av, Milwaukee, Wis.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
H. & A. Lock Co. (Punch Press Safety Appliance), 243 44th, Brooklyn, N. Y.
Hardware Supply Co., Grand Rapids, Mich.
Walsh Press & Die Co., 4709 W Kinzie, Chicago, Ill.

## 11468— Press-Board

**Case A. Willard Co.** (Imitation), Manchester, Conn.
Case Bros., Highland Park, Conn.
Case & Risley Press Paper Co., Oneco, Conn.
Chicago Mica Co. (Also Fullerboard & Leatheroid), Valparaiso, Ind. *See adv index at end of book*
Crehore Chas. F. & Son, 87 Milk, Boston, Mass.
Manning, John A., Paper Co., Troy, N. Y.
Merwin Paper Co., Windsor, Conn.
New York & Penna Co., 200 5th av, New York
Rogers Paper Mfg. Co., South Manchester, Conn.

## 11469— *Press Clippings

Fuller's Press Clipping Bureau, Pacific bldg., Seattle, Wash.

## 11470—Pressed Steel Specialties

See also Steel, Pressed

Blaw-Knox Co. (Also Welded), Freeport, Rd, Hoboken, Pa.
**BOSSERT CORPORATION, THE,** corner Linden & West av, New York *See adv index at end of book*
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y. *See adv index at end of book*
Detroit Pressed Steel Co., 180 Mt. Elliott av, Detroit, Mich.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Federal Pressed Steel Co., Keefe av & N Pierce, Milwaukee, Wis.
Gem Mfg. Co., Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
Geuder Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Gier Pressed Steel Co., Lansing, Mich.
Glasgow Iron Co., Pottstown, Pa.
Globe Machine & Stamping Co., (To Order), 1250 W 76th, Cleveland, O.
Heggie Jas. G. & Sons, Joliet, Ill.
Hydraulic Pressed Steel Co. (House Forms, etc), 3152 E 61st, Cleveland, O.
Michigan Pressed Steel Co., 229 Artillery, Detroit, Mich.
Mossberg Frank Co. (Parts for Guns, Automobile, Typewriter Machines, etc), Attleboro, Mass.
New England Pressed Steel Co., Natick, Mass.
Pressed Steel So. (Heavy Stamping, Auto Truck Parts, etc.), Wilkes-Barre, Pa.
Pressed Steel Tank Co., 58th & Greenfield av, Milwaukee, Wis.
Quinsigamond Pressed Steel Co., Worcester, Mass.
Standard Pressed Steel Co., 20th & Indiana, Phila., Pa.
Transue & Williams Steel Forging Corp., Alliance, O.
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
**WORCESTER PRESSED STEEL CO.,** Worcester, Mass. *See adv index at end of book*

## 11471— Pressers (Cork)

Phoenix Hardware Mfg. Co., Homer, N. Y.

## 11472— Presses (Arbor)

Atlas Press Co., 323 N Park, Kalamazoo, Mich.
Barnes W. F. & Jno. Co., Rockford, Ill.
Bartlett E. E. ("Greenerd"), 326 A, Boston, Mass.
**ELMES CHAS. F. ENGINEERING WKS. (INC.),** cor. Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Geier P. A. Co., Cleveland, O.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Lourie Mfg. Co., Springfield, Ill.
Lucas Machine Tool Co. ("Lucas," Power), 524 E 99th, Cleveland, O.
Myers Machine Tool Co. ("Myers"), Columbia, Pa.
Niles-Bement-Pond Co., 111 B'way, New York
Sharp L. C. Mfg. Co. (Hydraulic), Plattsmouth, Neb.
Southwark Fdry. & Mach. Co., 430 Washington av, Phila., Pa.
United Engine & Mfg. Co ("Long Range"), Hanover, Pa.

## 11473—Presses (Armature & Field Coil Segments)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
**DUNNING & BOSCHERT PRESS CO.,** 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Southwark Fdry. & Mach. Co. (Armature), 430 Washington av, Phila., Pa.

## 11474—*Presses (Auto Body Forming)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 11474a—*Presses (Auto Tire Forcing)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y. *See adv index at end of book*

## 11474b—*Presses (Auto Truck Tire Forcing)

Dunning & Boschart Press Co., Inc., 379 W Water, Syracuse, N. Y. *See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WKS. (INC.),** cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

## 11475—Presses (Automatic, Disc Notching)

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*

## 11476—Presses (Automatic, Gang)

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York *See adv index at end of book*
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*

## 11477—*Presses (Automatic, Saw Tooth Notching)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 11478—*Presses (Automobile Body)

**ELMES CHAS. F. ENGINEERING WORKS (INC.),** (Metal Body Making), cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

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## 11479—Presses (Automobile Tire, Hydraulic)

Defiance Machine Works, Defiance, O.
**DUNNING & BOSCHERT PRESS CO., INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O.
*See adv index at end of book*
Lourie Mfg. Co., Springfield, Ill.

## 11479a—Presses (Bakelite)

**BURROUGHS CHARLES COMPANY,** Newark, N. J.
*See adv index at end of book*
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Elmes Chas. F. Engng. Wks., Inc. (Condensite Material), cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 11480—Presses (Baling, Barrel Heading)

Rochester Barrel Machine Works, Rochester, N. Y.

## 11481—Presses (Baling, Broom Corn)

Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Shaw, Welsh & Co. ("Galesburg"), Galesburg, Ill.

## 11481a—Presses (Baling, Cotton & Wool)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Economy Bales Co., Ann Arbor, Mich.
Franklin Machine Co., 1 Park av, Providence, R. I. *See adv index at end of book*
Hydraulic Press Mfg. Co., Mount Gilead, Ohio

## 11482—Presses (Baling, Metal Scrap)

Bethlehem Steel Co. (Hydraulic), S Bethlehem, Pa.
**DUNNING & BOSCHERT PRESS CO.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Chicago Baling Press Co. ("New Standard"), 305 S. La Salle, Chicago, Ill.
Davenport Mfg. Co. ("Schicks" All Steel), Davenport, Ia.
Davis Mfg. Co., 137 Freeman, Brooklyn, N. Y.
Galland-Henning Mfg. Co., Railway Exchange bldg, Milwaukee, Wis.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
**WATSON-STILLMAN CO.** (Hydraulic), 38 Church, New York
*See adv index at end of book*
Woodall Mfg. Co. ("Money Saver" Hand), 500 Taylor, Davenport, Ia.

## 11482a—Presses (Baling, Paper)

See also Presses, Baling & Hay; also Presses, Baling Waste

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 11483—Presses (Baling, Waste)

Alsteel Mfg. Co. ("Alsteel" Paper), Battle Creek, Mich.
Bicking Paper Co. (For Paper, Rags, etc), 111 N 2d, Phila., Pa.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Clintonville Baler Co., Clintonville, Wis.
Davenport Mfg. Co. ("Schick's"), All Steel, Davenport, Ia.
Davis Mfg. Co., 137 Freeman, Brooklyn, N. Y.
**DUNNING & BOSCHERT PRESS CO., INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Economy Baler Co. ("Economy" Steel Frame, Paper, etc), Ann Arbor, Mich.
Ertel Geo. Co. (For Waste Paper, etc.), Quincy, Ill.
Famous Mfg. Co. (Paper), E Chicago, Ind.
Franke Fred & Co., Louisville, Ky.
Grand Rapids Salvage Co. ("Handy"), Grand Rapids, Mich.
Haugh J. G. & Co. (Paper), Bascom, O.
Hazen Mfg. Co. ("Hudson"), Hudson, Mich.
Hobson & Co., Easton, Pa.
Hydraulic Press Mfg. Co. (Wood & Steel Box), Mt. Gilead, O.
*See adv index at end of book*
Leigh Banana Case Co. (Paper), 2230 S Union av, Chicago, Ill.
Logemann Bros. Co. (All Kinds Waste Materials), 3130 Burleigh, Milwaukee, Wis.
Lourie Mfg. Co., Springfield, Ill.
Lubbers & Bell Mfg. Co. ("One Minute," for Waste Paper), Clinton, Ia.
Midland Supply Co. ("Prestel," for Paper),, Davenport, Ia.
Minnich Machine Works ("Minnich" Steel Hand & Power), Landsville, Pa.
Petroleum Iron Works Co. ("Leader" All Steel), Sharon, Pa.
Pick Albert & Co. (Paper), 212 W Randolph, Chicago, Ill.
Ripley Foundry & Machine Co. ("Sampson" Paper), Ripley, O.
Smith Philip Mfg. Co. (Paper), Sidney, O.
Wenzelman G., Galesburg, Ill.
Woodall Mfg. Co. ("Money Saver" Hand), 500 Taylor, Davenport, Ia.

## 11483a—*Presses-Baling (Yarn, Hair & Hemp)

**DUNNING & BOSCHERT PRESS CO., INC.,** 379 Water, Syracuse, N. Y.
*See adv index at end of book*

## 11484-5—Presses (Baling & Hay)

See also Presses, Cotton

Admiral Hay Press Co., Kansas City, Mo.
Alamo Iron Works (Hay), San Antonio, Tex.
Ann Arbor Machine Co. "Ann Arbor Line," Ann Arbor, Mich.
Auto Fedan Hay Press Co. (Auto Self Feed Hay Press), 1603 Wyoming, Kansas City, Mo.
Buckeye Baler Co., Findlay, O.
Burkett Mfg. Co. (Hay), 162 W Spring, Columbus, O.
Business Men's Paper Press Co., Wayland, Mich.
Cardwell Machine Co. (Hydraulic Baling), 1900 E Cary, Richmond, Va.
Case J. I. Threshing Mach. Co. ("Case"), Racine, Wis.
Chattanooga Implement & Mfg. Co. (Hay), East Chattanooga, Tenn.
Chattanooga Plow Co. (Hay & Straw), Chattanooga, Tenn.
Chicago Baling Press Co., 305 S La Salle, Chicago, Ill.
Collins Plow Co. (Hay, "Eli," "Noxall," "Excelsior"), Quincy, Ill.
Dain Mfg. Co. (Hay, Horse Power & Motor), Ottumwa, Ia.
Davenport Mfg. Co., Davenport, Ia.
Davis Mfg. Co., 137 Freeman, Brooklyn, N. Y.
Dennis John Machine Co., Lowell, Mass.
**ELMES CHAS. F. ENGINEERING WORKS (INC.),** (Baling Only, for Paper & Wool, cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Emerson Brantingham Co. ("Reeves," "Geiser Peerless," Hay), Rockford, Ill.
Ertel Geo. Co. ("Victor" & "Gem" Hay, Straw, Waste Paper, etc.), Quincy, Ill.
Famous Mfg. Co. ("Champion" & "Famous"), East Chicago, Ind.
Grand Rapids Salvage Co. (Paper), Grand Rapids, Mich.
Hampton Ralph L. (Hay), Honeybrook, Pa.
Hasard Wm. (Hay), Trumansburg, N. Y.
Hobbs Mfg. Co. (Waste Baling), Worcester, Mass.
Hobson & Co., Easton, Pa.
Home Mfg. Co., Mattoon, Ill.
Hydraulic Press Mfg. Co. (For Cloth, Cotton, etc), Mount Gilead, O.
*See adv index at end of book*
Indianapolis Excelsior Machinery Co. (For Excelsior), Indianapolis, Ind.
Junior Monarch Hay Press Co. ("Junior Monarch," "Little Giant"), (Straw, etc), San Leandro, Cal.
Kansas City Hay Press Co. ("Lightning" Combination Straw, etc.), Kansas City, Mo.
Kline Lewis T., Alpena, Mich.
Lenmar Mfg. Co., Saginaw, Mich.
Logemann Bros. Co. (All Kinds of Products), 3130 Burleigh, Milwaukee, Wis.
Lombard Iron Wks. & Supply Co., Augusta, Ga.
Maytag Co. ("Buffalo" Hay), Newton, Ia.
Modern Equipment Co., Lockport, N. Y.
New Winona Mfg. Co. ("Hay King" Horse & Diamond Steam Power), Winona, Minn.
Ohio Cultivator Co. ("Ohio"), Bellevue, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Poston Baler Co., Chillicothe, O.
Sandwich Mfg. Co. (Hay), Sandwich, Ill.
Shaw, Welsh & Co., Galesburg, Ill.
Sinclair-Scott Co. ("Baltimore"), Wells & Patapsco, Baltimore, Md.
Smith, Philip Mfg. Co. (Paper Balers), Sidney, O.
Smith & Sons Mfg. Co. (Hay), Kansas City, Mo.
Southern Plow Co. ("Cumming"), Columbus, Ga.
Spencer J. A (Hay, "Favorite Alligator," "Hercules," "Perpetual"), Dwight, Ill.
Stopple W. H. ("Easy" Hand Power & Motor Power), Dallas, Tex.
Strait H. N. Mfg. Co., Kansas City, Kans.
Swanson Plow Co. (Hay, etc.), Muskogee, Okla.
Swayne, Robinson & Co. ("Money-Maker"), Richmond, Ind.
Tempus Reclaiming & Mfg. Co., 25 N 7th, Phila., Pa.
Thomas Albright Co., (Hydraulic, for Paper Stock, Yarns, Rags, Hair, Waste, etc), Goshen, Ind.
Waterville Foundry & Mfg. Co., Waterville, N. Y.
**WATSON-STILLMAN CO.** (Hydraulic Baling), 38 Church, New York
*See adv index at end of book*
Whitehurst R. W. Mfg. Corp. (Hay), Norfolk, Va.
Williams Mfg. Co. (Hay), Macon, Ga.
Wirtz & Hernlen (Hay), Augusta, Ga.
Woodall Mfg. Co. ("Money Saver," Hay, Straw, Tobacco Stems, Excelsior, Stalks, Paper, Cuttings, etc), 500 Taylor, Davenport, Ia.
Ypsilanti Hay Press Co. ("Wolverine" Hay), Ypsilanti, Mich.

## 11485a—Presses (Banding)

Elmes Chas. F. Engng. Works, cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Southwark Fdry. & Mach. Co. (Shell), 430 Washington av, Phila., Pa.

## 11486— Presses (Beeswax)

See also Beekeepers' Supplies

Kretchmer Mfg. Co., Council Bluffs, Ia.

## 11487-8—Presses (Beet Pulp)

Jackson & Church Co., Saginaw, Mich.
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa.
*See adv index at end of book*

## 11489— Presses (Belting)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WORKS (INC.)** (Leather), cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 11490— Presses (Bench)

See also Presses, Power

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
Baird Machine Co., Bridgeport, Conn.
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
High Speed Hammer Co., Inc. (Sensitive & Motor Driven Drills), 313 Norton, Rochester, N. Y.
McCall Machine Works ("Baxendale"), Rochester, N. Y.
Manville E. J. Machine Co., Waterbury Conn.
Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.
Perkins Machine Co., Warren, Mass.
Rowbottom Machine Co. ("Rowbottom Yankee"), Waterville, Conn.
Springfield Machine Tool Co. (Straightening. etc), Springfield, O.
Stoll D. H. Co., Buffalo, N. Y.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.

## 11491— Presses (Bending)

Alliance Machine Co., Alliance, O.
Bethlehem Steel Co. (Hydraulic), South Bethlehem, Pa.
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Lourie Mfg. Co., Springfield, Ill.
**MORGAN ENGINEERING CO.** (Plate Bending, etc), Alliance, O.
*See adv index at end of book*
**NIAGARA MACHINE & TOOL WKS:** Buffalo, N. Y. *See adv index at end of book*
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Southwark Fdry. & Mach. Co. (Pipe Bending & Power), 430 Wash. av, Phila., Pa.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## Presses (Bicycle Chain)

See Presses, Power

## 11492—Presses (Bicycle Saddle)

Burroughs Chas. Co., 141 Commerce, Newark, N. J. *See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*

## 11493—*Presses (Binders' Board)

**DUNNING & BOSCHERT PRESS CO. (INC.),** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*

## Presses (Blanking)

See Presses, Power

## 11494—*Presses (Bliss Inclinable)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 11495—*Presses (Book Binders')

**DUNNING & BOSCHERT PRESS CO. (INC.),** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*

## 11496— Presses (Box)

**Chase Turbine Mfg. Co. (Automatic),** Orange, Mass.
Success Seeder Grader Co. ("Success" Lid), Spokane, Wash.

## Presses (Brick)

See Machines, Brick Press

## Presses (Briquetting)

See Briquetting Machinery

## 11497—Presses (Broaching)

**AMERICAN CAN CO. (Machinery Dept.),** Monroe bldg, Chicago, Ill.
*See adv index at end of book*
**DUNNING & BOSCHERT PRESS CO. (INC.),** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WORKS (INC.),** cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
*See adv index at end of book*
Hydraulic Press Mfg. Co. ("Hydraulic"), Mt. Gilead, O.
*See adv index at end of book*
Logemann Bros. Co. (For Brass), 3130 Burleigh, Milwaukee, Wis.
Perkins Machine Co., Warren, Mass.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*

## 11498— Presses (Bumping)

Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Wold, Torris & Co., 240 N Ashland av, Chicago, Ill.

## 11499—Presses (Cabbaging)

Famous Mfg. Co. (For Pressing Scrap Brass, etc), E. Chicago, Ind.
Farrel Foundry & Machine Co., Ansonia, Conn.
Galland-Henning Mfg. Co. (For Scrap Copper & Brass), 97 Wisconsin, Milwaukee, Wis.
Logemann Bros. Co. (For Brass & Copper Scrap), 3130 Burleigh, Milwaukee, Wis.

## 11500— Presses (Cage)

Callahan W. P. Co., Dayton, O.

## 11501—Presses (Cam Drawing)

See also Presses, Drawing; also Presses, Power

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y.
*See adv index at end of book*
Standard Machinery Co., Providence, R. I.

## 11502— Presses (Car Seal)

Handlan-Buck Mfg. Co. ("Handlan"), 210-14 N 3d, St. Louis, Mo.

## 11503—Presses (Car Wheel)

See also Presses, Hydrostatic Wheel

Bethlehem Steel Co., South Bethlehem, Pa.
Caldwell E. K. & Co. (Hydraulic), Bradford, Pa.
Chambersburg Engineering Co., Chambersburg, Pa.
Dudgeon Richard, 24 Columbia, New York
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
*See adv index at end of book*
Lake Shore Engine Works, Marquette, Mich.
Lobdell Car Wheel Co., Wilmington, Del.
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
McCall Machine Works ("Schaffer," Hydraulic), Rochester, N. Y.
Niles-Bement-Pond Co., 111 B'way, New York
Nolte Adolph (Hydraulic), Rochester, N. Y.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
**THOMASVILLE IRON WORKS, INC.,** Thomasville, Ga.
*See adv index at end of book*
Tomlin-Harris Machine Co., Cordele, Ga.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 11503a—*Presses (Carbon Slug Moulding)

Dunning & Boschert Press Co., Inc., 379 Water, Syracuse, N. Y.
*See adv index at end of book*
Elmes Chas. F. Engng. Works, Inc., cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## Presses (Card Cutting)

See Card Cutting Machines

## 11504—Presses (Card Printing)

**Buffum Tool Co. ("Buffum" Automatic),** South Side, Louisiana, Mo.
Feuerstein S. B. & Co., 542 W Jackson blvd, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 11504a—*Presses-Casket (Metallic)

Elmes Chas. F. Engng. Works, Inc., cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 11505—Presses (Chamfering)

Pawtucket Mfg. Co. (Automatic), Pawtucket, R. I.

## 11506— Presses (Cheese)

Burrell D. H. & Co. ("Sprague" Adjustable Continuous Pressure Gang & "Fraser" Gaug Presses & Hoops), Little Falls, N. Y.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Dairy Specialty Co., West Chester, Pa.
Gowanda Agricult'l Works Co., Gowanda, N. Y.
Oakes & Burger Co., Cattaraugus, N. Y.

## 11507—*Presses (Chemists' Laboratory)

**DUNNING & BOSCHERT PRESS CO. (INC.),** 379 W Water Syracuse, N. Y.
*See adv index at end of book*

## Presses (Cider)

See Mills, Cider & Cider Presses

## 11508—Presses (Cigar Packers')

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Miller, Du Brul & Peters. Mfg. Co., 507 E Pearl, Cincinnati, O.**

## Presses (Cloth Cutting)

**See Cloth Cutting Machines in Textile Machinery & Supplies**

## 11509—Presses (Cloth Finishing)

Dunning & Boschert Press Co. (Inc.), 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Hydraulic Press Mfg. Co. ("London" Shrinking), Mt. Gilead, O.
*See adv index at end of book*

## 11510— Presses (Coil)

Electrical Mfrs. Equipment Co., 712 Postal Telegraph bldg, Chicago, Ill.
*See adv index at end of book*
Oliver Elec. & Mfg. Co. ("Precision"), 4221 Forest Park, St. Louis, Mo.

## Presses (Coining)

See Coining Machines

## 11511—Presses (Cold Punched Nut)

Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
*See adv index at end of book*
Pawtucket Mfg. Co., Pawtucket, R. I.

## 11512— *Presses (Collet)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## Presses (Concrete)

See Concrete Building Block Machinery

## 11513—Presses (Concrete Stone)

Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
*See adv index at end of book*

## 11513a— *Presses (Continuous)

**ANDERSON V. D. CO. ("Anderson" Expellers for Oil or Moisture),** W 96th, Cleveland, O.
*See adv index at end of book*

## 11514—Presses (Continuous Roller)

**KUTZTOWN FOUNDRY & MACHINE CO. ("Edgerton" for Abbatoirs, etc),** 1421 Chestnut, Phila., Pa.
*See adv index at end of book*

## 11515—Presses (Copper Plate)

Modern Die & Plate Press Mfg. Co., Belleville, Ill.

## 11516— Presses (Copying)

Bailey Mfg. Co., Berlin, Conn.
Chicago Scale Co., 7740 S Chicago av, Chicago, Ill.
Fairbanks Co., 416 Broome, New York.
Howe Scale Co., Rutland, Vt.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Regina Co. ("Victoria" Rotary), 47 W 34th, New York
Roneo Co. ("Roneo" Rotary Automatic Copying), 117 Leonard, New York
Yawman & Erbe Mfg. Co. ("Rapid Roller Copier"), Rochester, N. Y.

## 11517— Presses (Cork)

Davis Mfg. Co. (Cork Scrap), 137 Freeman, Brooklyn, N. Y.
**DUNNING & BOSCHERT PRESS CO. (INC.),** 379 W Water Syracuse, N. Y.
*See adv index at end of book*
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
*See adv index at end of book*

## 11518— Presses (Cotton)

**Adams W. T. Machine Co., Corinth, Miss.**
**Attalla Foundry & Machine Co., Attalla, Ala.**
**Cardwell Machine Co. ("Little Giant" Hydraulic), 1900 E Cary, Richmond, Va.**
Charleston Dry Dock & Machine Co., Charleston, S. C.
**Continental Gin Co., Birmingham, Ala.**
**Famous Mfg. Co., East Chicago, Ind.**
**Georgia Agricultural Works, Fort Valley, Ga.**
**Hobson & Co., Easton, Pa.**
Hyde Chas. J., Meridian, Miss.
**Hydraulic Press Mfg. Co., Mount Gilead, Ohio** *See adv index at end of book*
Liddell Co., Charlotte, N. C.
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
**Lombard Iron Works & Supply Co., Augusta, Ga.**
**Lummus Cotton Gin Co., Columbus, Ga.**
**Mecklenburg Iron Works, Charlotte, N. C.**
Murray Co., Dallas, Texas
Sinclair-Scott Co., Wells & Patapsco, Baltimore, Md.
Standard Metalwork Co., Thompsonville, Conn.
West Point Iron Works, West Point, Ga.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
**Woodall Mfg. Co. ("Money Saver"), 500** Taylor, Davenport, Ia.

## 11519—Presses (Cotton Seed Hull)

**Cardwell Machine Co., 1900 E Cary, Richmond, Va.**
Charleston Dry Dock & Machine Co., Charleston, S. C.
Famous Mfg. Co., East Chicago, Ind.
Murray Co., Dallas, Tex.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
**Woodall Mfg. Co. ("Money Saver"), 500** Taylor, Davenport, Ia.

## 11520—Presses (Cotton Seed Oil)

**ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.** *See adv index at end of book*
Buckeye Iron & Brass Works, Dayton, O.
Callahan W. P. Co. (Hydraulic), Dayton, Ohio
Cardwell Machine Co. (Hydraulic), 1900 E Cary, Richmond, Va.
French Oil Mill Machinery Co., Piqua, O. *See adv index at end of book*
**HYDRAULIC PRESS MFG. CO.,** Mt. Gilead, O. *See adv index at end of book*
Platt Iron Works Co., Dayton, O.
Shriver T. & Co., Harrison, N. J.

## 11521—Presses (Crank Pin)

Alliance Machine Co., Alliance, O.
Dudgeon Richard, 24 Columbia, New York
**ELMES CHAS. F. ENGINEERING WKS. (INC.),** cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Perkins Machine Co., Warren, Mass.
V. & O. Press Co. ("V. & O."), Dry Hrbr. rd, Glendale Station, L. I., N. Y.
**WATSON-STILLMAN. CO.,** 38 Church, New York *See adv index at end of book*

## 11521a—*Presses (Crucible Stopper)

**CROSSLEY MACHINE CO.,** State & Chestnut av, Trenton, N. J. *See adv index at end of book*

## 11521b—*Presses (Cupping)

Elmes Chas. F. Engng. Works (Inc.), cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

## Presses (Cutting)

See Presses, Power

## 11522— Presses (Cutting Glove Makers')

Curtin Hebert Co. (For Leather, Canvas or Silk Gloves), Gloversville, N. Y.

## 11523—Presses (Cutting & Creasing)

Griswold George M. Machine Co. (Folding Box Makers), New Haven, Conn.

## 11524— Presses (Dental)

Hydraulic Press Mfg. Co. (For Seamless Gold Crown Teeth), Mt. Gilead, O. *See adv index at end of book*

## 11524a— *Presses (Dial)

See Also Presses, Power

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York

## 11525—*Presses (Dial Feed)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*

## 11526— Presses (Die)

American Can Co., 104 S Michigan av, Chicago, Ill. *See adv index at end of book*
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Kane & Roach, Syracuse, N. Y.
Kidder R. E. Co. (For Envelopes), Worcester, Mass.
Modern Die & Plate Press Mfg. Co., Belleville, Ill.
**NIAGARA MACHINE TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Seelye Mfg. Co., 118 South, Boston, Mass.
Seybold Machine Co., Dayton, O.
Sheridan T. W. & C. B. Co. (Bookbinders), 434 B'way, New York
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Southwark Fdry. & Mach. Co., 430 Wash. av, Phila., Pa.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Thomas Albright Co. (Hydraulic), Goshen, Ind.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
**Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.**

## 11527—Presses (Die Cutting)

Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
Slaysman & Co., 801 E Pratt, Baltimore, Md.

## 11527a—*Presses (Die Sinking)

Elmes Chas. F. Engng. Works (Inc.), cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

## 11528—Presses (Disc Notching)

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*

## 11528a—Presses (Doll Forming)

Cumming W. A. & Co., 49 Bleecker, New York

## 11529— Presses (Drawing)

See also Sheet Metal Workers' Machines & Tools

**AMERICAN CAN CO.** (Machinery Dept.), Monroe bldg, Chicago, Ill. *See adv index at end of book*
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
Baird Machine Co., Bridgeport, Conn.
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Chambersburg Engineering Co. (Hydraulic), Chambersburg, Pa.
Cleveland Machine & Mfg. Co. (Forming, Blanking & Drawing), 4944 Hamilton av, Cleveland, O.
**ELMES CHAS. F. ENGINEERING WKS. (INC.),** cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Kane & Roach, Syracuse, N. Y.
Leffler Charles & Co. (Sheet Metal, etc), 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
**Massillon Foundray & Machine Co. ("Massillon"),** Massillon, O.
**Meriden Press & Drop Co. ("Merriman," Cut & Draw),** Meriden, Conn.
Michigan Press Co., Ypsilanti, Mich.
Morgan Engineering Co., Alliance, O. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Richard Mfg. Co., Bloomsburg, Pa.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Southwark Fdry & Mach. Co., 430 Wash. av., Phila., Pa.
Standard Machinery Co., Providence, R. I.
Stoll D. H. Co., Buffalo, N. Y.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
V. & O. Press Co., Dry Harbor rd, Glendale Station, N. Y.
Walsh Press & Die Co. (For Drawn Shellac, etc), 4709 W Kinzie, Chicago, Ill.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.
Zeh & Hehnemann Co. (Double Acting), Vanderpool, Newark, N. J.

## Presses (Drill)

See Drilling Machines

## 11530— Presses (Drop)

See also Hammers, Drop

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Canton Foundry & Machine Co. ("Universal" for Metal Ceilings)), Canton, O.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Ferracute Machine Co., Bridgeton, N. J.
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Leffler Chas. & Co. (Sheet Metal, Can Makers, etc), 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
McWilliams Thomas, 237 Eddy, Providence, R. I.
Miner & Peck Mfg. Co., New Haven, Conn.
**NIAGARA MACHINE & TOOL WKS,** (Bench, Poppet, etc), Buffalo, N. Y. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
**Oliver W. W. Mfg. Co. (Jewelers, etc.),** 1483 Niagara, Buffalo, N. Y.
Perkins Machine Co., Warren, Mass.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Standard Machinery Co. ("Standard" Automatic), Providence, R. I.
Swaine Fred. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., Moline, Ill.

## 11531— Presses (Embossing)

**AMERICAN CAN CO.** (Machinery Dept.), ("Rudolphi & Krummel," Toggle & Four Post Toggle), Monroe bldg, Chicago, Ill. *See adv index at end of book*
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York

Beck Machine Chas. Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Carver C. R. Co., 20th & Clearfield, Phila., Pa.
Currier Cyrus & Sons, 365 Market, Newark, N. J.
Dewes A. C., The ("Columbia"), 199 Lafayette, New York
**DUNNING & BOSCHERT PRESS CO.,** 379 W Water, Syracuse, N. Y. *See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WORKS (INC.),** cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Ferracute Machine Co. (Sheet Metal), Bridgeton, N. J.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Hickok W. O. Mfg. Co. (For Bookbinders), Harrisburg, Pa.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio *See adv index at end of book*
Logemann Bros. Co. (Leather), 3130 Burleigh, Milwaukee, Wis.
Loy & Nawrath Co., 25 Runyon, Newark, N. J.
Manville E. J. Machine Co., Waterbury, Conn.
Mead A. G. Co. (For Paper), 62 Sudbury, Boston, Mass.
Meriden Press & Drop Co., Meriden, Conn.
**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*
Ohl Geo. A. & Co. (Metal), 157 Oraton, Newark, N. J.
Oliver Machinery Co., Grand Rapids, Mich.
Perkins Machine Co., Warren, Mass.
Roovers Bros. (For Metal Name Plates, Pattern Letter Plates, Tags, Labels, etc), 100 Schermerhorn, Brooklyn, N. Y. *See adv index at end of book*
Sheridan T. W. & C. B. Co. (Embossing & Graining for Leather, etc), 434 B'way, New York
Standard Machinery Co., Mystic, Conn.
Stoll D. H. Co., Buffalo, N. Y.
Swaine F. J. Mfg. Co. (Sheet Metal), 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Traud Alex. & Sons (For Leather), 124 Polk, Newark, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*

## 11532—Presses (Emery Wheel)

**DUNNING & BOSCHERT PRESS CO. (INC.),** 779 W Water, Syracuse, N. Y. *See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*

## 11533—Presses (Engravers' Transfer)

Chapman W. H. (For Bank Notes, etc), 229 Mulberry, Newark, N. J.
Currier Cyrus & Sons, 365 Market, Newark, N. J.

## Presses (Excelsior Baling)

See Presses, Baling & Hay

## 1534—Presses (Fertilizer)

**DUNNING & BOSCHERT PRESS CO. (INC.),** 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Elmes Chas. F. Engng. Works (Inc.), cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
**KUTZTOWN FOUNDRY & MACHINE CO.,** 1421 Chestnut, Phila., Pa. *See adv index at end of book*

## 1535—Presses (Fibre Board)

**DUNNING & BOSCHERT PRESS CO. (INC.),** 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*
Lobdell Car Wheel Co., Wilmington, Del.

## 11536— Presses (Filter)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York. *See adv index at end of book*
Allbright-Nell Co. (For Packing Houses), 5315 Western av, Chicago, Ill.
American Clay Machinery Co. (Clay), S Walnut, Bucyrus, O. *See adv index at end of book*
Bay City Iron Co., Bay City, Mich.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Berrigan J. J. ("Berrigan"), Orange, N. J.
Blymyer Iron Works Co., Cincinnati, O.
Bonnot Company, Canton, O.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Carbondale Machine Co., Carbondale, Pa.
Cavagnaro John J. (for Manufacturing Celluloid), Harrison, N. J.
Colorado Iron Works Co. ("Portland"), Denver, Colo.
Crossley Machine Co., State & Chestnut av, Trenton, N. J. *See adv index at end of book*
Dibert, Bancroft & Ross Co., Ltd., Tulane & Hagan av, New Orleans, La.
Dyer Co., 2031 Euclid av, Cleveland, O.
Eastwood Benj. Co., Paterson, N. J.
**ELMES CHAS. F. ENGINEERING WORKS (INC.),** cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Erhart Chris, 1237 W 6th, Cincinnati, O. *See adv index at end of book*
Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*
Hydraulic Press Mfg. Co. (Lard Refining, Wash Plate, etc), Mount Gilead, O. *See adv index at end of book*
Ivens Wm. H. Sons Co., P. O. Box 647, Trenton, N. J.
**JOHNSON JOHN CO.** (All Sizes & Types of Filter Presses in Iron, Bronze, Aluminum, Lead & Wood), 203 37th, Brooklyn, N. Y.
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal., & 33 W 42d, New York
Patterson Foundry & Machine Co., East Liverpool, O.
**PERRIN WM. R. & CO.** (For Chemicals, Oils, Sugar, Starch, Dry Colors, Varnish, etc.), 37 W Van Buren, Chicago, Ill.
Platt Iron Works Co. (For Chemicals, Oils Sugar, Starch, Varnish, etc), Dayton, Ohio
Provost Engng. Corp ("Provo"), 216-224 B'way, New York
Pusey & Jones Co., Wilmington, Del.
Shriver T. & Co., Harrison, N. J.
Sperry D. R. & Co., Batavia, Ill.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Traud Alex. & Sons, 124 Polk, Newark, N. J.
United Filters Corp. (Self-Dumping Filters), 65 Broadway, New York
Whitney Iron Works Co., 849 Tchoupitoulas, New Orleans, La.
Worthington Pump & Machy. Corp. ("Berrigan Patents" for Sugar Houses, Mining Plants, etc), 115 B'way, New York *See adv index at end of book*

## 11537—Presses (Filter, Laboratory)

Holz & Co., Inc., 18 Madison av., New York *See adv index at end of book*
Johnson, John Co., 203 37th, Brooklyn, N. Y.
Perrin Wm. R. & Co., 37 W Van Buren, Chicago, Ill.
Sperry D. R. & Co., Batavia, Ill.

## 11538— *Presses (Fish Oil)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
**DUNNING & BOSCHERT PRESS CO., INC.,** 379 W Water, Syracuse, N. Y. *See adv index at end of book*

## 11539— Presses (Flanging)

Aldrich Pump Co., Allentown, Pa.
Chambersburg Engineering Co. (Sectional), Chambersburg, Pa.
**ELMES CHAS. F. ENGINEERING WKS., (INC.),** cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Joubert & Goslin Mch. & Fdy Co., Birmingham, Ala.
Kelly Co. ("Kelly," for Treatment of Mill Slimes, Sugar Precipitates, etc.), Salt port, Conn. *See adv index at end of book*
Kiefer Karl Machine Co. (For Laboratory Use), 919 Martin, Cincinnati, O.
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
**KOVEN, L. O. & BRO.,** 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Krajewski-Pesant Corp., 50 Broad, New York
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
Louisville Drying Machine Co., Louisville, Ky.
Love Bros. (For Glucose), Aurora, Ill.
Merrill Metallurgical Co. (Slime), 121 2d, San Francisco, Cal.
Moore Filter Co. ("Moore," Slime Process), 50 E 42d, New York
Moore Sam'l L. & Sons (Hydraulic), Elizabeth, N. J.
Nelson Alfred W., 183 Snyder av, Brooklyn, N. Y.
**MORGAN ENGINEERING CO.** ("Morgan" Hydraulic), Alliance, O. *See adv index at end of book*
Perkins Machine Co. (For Heavy Flanging), Warren, Mass.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Southwark Fdry. & Mach. Co. (Universal), 430 Wash. av., Phila., Pa.
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.
Wickes Bros., Saginaw, Mich.
Wood Wm. H. (Sectional), Media, Pa.

## 11540—Presses (Folding & Seaming)

Slayman & Co. ("Slayman" Duplex, for Can Makers), 801 E Pratt, Baltimore, Md.

## 11541— Presses (Foot)

**AMERICAN CAN CO.** (Machinery Dept.), (Pendulum Floor or Bench), Monroe bldg, Chicago, Ill. *See adv index at end of book*
Atlas Machine Co., Waterbury, Conn.
Ayars Machine Co. (For Can Making, etc), Salem, N. J.
Baird Machine Co., Bridgeport, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn. *See adv index at end of book*
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Chapman W. H. (Jewelers), 229 Mulberry, Newark, N. J.
Cook H. C. Co., 100-120 Jewett, Ansonia, Conn.
Cook Thos. W. G., 83 Walker, New York
Dewes A. Co., The, 199 Lafayette, New York
Draher John, Waterbury, Conn.
Ferracute Machine Co., Bridgeton, N. J.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Leffler Chas. & Co. (Toggle Lever, Sheet Metal, etc), 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
Loyd John Co., 124 Baxter, New York
Manville E. J. Machine Co. (Single), Waterbury, Conn.
Meriden Press & Drop Co. ("Merrimac"), Meriden, Conn.
Michigan Press Co., Ypsilanti, Mich.
**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Partridge E. O., 2039 Lake, Chicago, Ill. *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
**QUADRIGA MFG. & SPECIALTY CO.,** 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Rockford Iron Works (Inclinable), Rockford, Ill.
Rowbottom Machine Co. ("Rowbottom"), Waterville, Conn.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Seattle-Astoria Iron Works (Die Presses, for Salmon Canneries, etc), Seattle, Wash.

PRESSES (FOOT)—continued

**SHUSTER F. B. CO.** (Toggle, Double & Pendulum Lever), Cedar Hills, New Haven, Conn. *See adv index at end of book*
Slaysman & Co. (Can Makers', etc.), 801 E Pratt, Baltimore, Md.
Standard Machinery Co., Providence, R. I.
Stoll D. H. Co., Buffalo, N. Y.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Taylor & Fenn Co. (Spring), Hartford, Conn.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

### 11542—Presses for Lining Service Pipe with Cement

Union Water Meter Co., Worcester, Mass.

### 11543— Presses (Forcing)

**ELMES CHAS. F. ENGINEERING WKS., (INC.)**, cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Hydraulic Press Mfg. Co. ("H-P-M"), Mount Gilead, Ohio
Lucas Machine Tool Co. ("Lucas"), 524 E 99th, Cleveland, O.
Southwark Fdry. & Mach. Co., 430 Wash. av, Phila., Pa.
Treadwell Engineering Co., Easton, Pa.
**WATSON-STILLMAN CO.**, 38 Church, New York *See adv index at end of book*
Weaver Mfg. Co. ("Weaver"), Springfield, Ill.

### Presses (Forging)

See Presses, Drop; Presses, Hydraulic; Presses, Power; Hammers, Drop; Forging Machines

### 11544—Presses (Forging, Steam-Hydraulic)

Mesta Machine Co. ("Haniel & Lueg" Quick-Acting), Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Morgan Engineering Co., Alliance, O. *See adv index at end of book*
United Engineering & Foundry Co. ("Davy Bros." High Speed), Keenan bldg, Pittsburgh, Pa.

### 11545— Presses (Forming)

Elmes Chas. F. Engng. Works (Inc.), cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
**HENRY & WRIGHT MFG. CO.**, ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*
Verdin, Kappes & Verdin Co., Cincinnati, Ohio

### 11546— *Presses (Friction, Dial Feed)

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

### 11547— Presses (Fruit)

See also Presses, Wine & Cider

Brohard Co., 3d & Lehigh av, Phila., Pa.
**DUNNING & BOSCHERT PRESS CO., INC.**, 379 W Water, Syracuse, N. Y. *See adv index at end of book*
**Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.**
Fanner Mfg. Co. ("Arctic," Hand), Cleveland, O.
Gray Iron Foundry Co., Reading, Pa.
Griswold Mfg. Co., Erie, Pa.
Hydraulic Press Mfg. Co. ("Mount Gilead"), Mount Gilead, Ohio *See adv index at end of book*
Independent Register & Mfg. Co., 713 Frankfort, Cleveland, O.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Schriver O. P. & Co., 621 E Pearl, Cincinnati, O.
Silver & Co. ("Henis"), 304 Hewes, Brooklyn, N. Y.
Streeter N. R. & Co. ("Sensible"), Rochester, N. Y.
Teller R. K. (Hand, Fruit, Vegetable, etc.), Unadilla, N. Y.
Thurnauer G. M. Co. (For Family Use), 6 E 20th, New York
Vogel Wm. & Bros. ("Henis"), 37 S 9th, Brooklyn, N. Y.
Wagner Mfg. Co., Sidney, Ohio
Wrightsville Hardware Co. ("Brighton" for Family Use), Wrightsville, Pa.

### 11548—Presses (Gang Tool)

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Perkins Machine Co., Warren, Mass.
Waterbury Farrel Foundry & Machine Co. Waterbury, Conn.

### 11549— *Presses (Garbage)

**DUNNING & BOSCHERT PRESS CO., INC.**, 379 W Water, Syracuse, N. Y. *See adv index at end of book*
**KUTZTOWN FOUNDRY & MACHINE CO.**, 1421 Chestnut, Phila., Pa. *See adv index at end of book*

### 11550— Presses (Gilding)

Hickok W. O. Mfg. Co., Harrisburg, Pa.

### 11551— Presses (Glass)

Miller Machine & Mould Works (Automatic). Columbus, O.
Sommerfeld Machine & Mfg. Co., 216 2nd av, Pittsburgh, Pa.
Yockel Chas. & Sons, 1220 N Lawrence, Phila., Pa.

### 11552—— Presses (Glue)

**DUNNING & BOSCHERT PRESS CO., INC.**, 379 W Water, Syracuse, N. Y. *See adv index at end of book*

### 11553— *Presses (Grease)

Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Elmes Chas. F. Engng. Works (Inc.), cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

### 11553a—*Presses (Gun Powder)

**WATSON-STILLMAN CO.**, 38 Church, New York *See adv index at end of book*

### 11554— Presses (Ham)

Wolf, Sayer & Heller ("Victor"), Fulton & Peoria, Chicago, Ill.

### 11555— Presses (Hand)

Ferracute Machine Co. (For Sheet Metal), Bridgeton, N. J.
Logemann Bros. Co. (Baling for Rags, Waste Paper, etc). 3130 Burleigh, Milwaukee, Wis.
Perkins Machine Co., Warren, Mass.
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.
Woodall Mfg. Co. ("Money Saver" Waste Paper, Rags & Hay), 500 Taylor, Davenport, Ia.

### 11556—Presses (Hand, for Rubber Mfrs.)

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**WILLIAMS FOUNDRY & MACHINE CO.** Akron, O. *See adv index at end of book*

### 11557—Presses (Hand Screw)

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Disston Hy. & Sons (For Punching, Slotting, Shearing, etc), Tacony, Phila., Pa.
Elmes Chas. F. Engng. Works (Inc.), cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

### 11558—Presses (Harness & Saddlers')

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

### Presses (Hay)

See Presses, Baling & Hay

### 11559— Presses (Hogshead)

Cardwell Machine Co. (Power-Screw), 1900 E Cary, Richmond, Va.
Rochester Barrel Machine Works, Rochester, N. Y.

### 11560— *Presses (Hop)

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Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
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### 11562— Presses (Horn)

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**DUNNING & BOSCHERT PRESS CO., INC.**, 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.

### 11563—Presses (Horning & Wiring)

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**AMS MAX MACHINE CO** ("Ams"), 101 Park av, New York
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Cleveland Machine & Mfg. Co., 4944 Hamilton av, Cleveland, O.
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Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
McCall Machine Works ("Baxendale" Cutting, Horning & Wiring), Rochester, N. Y.
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**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y. *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Slaysman & Co. (For Can Makers), 801 E Pratt, Baltimore, Md.
Standard Machinery Co., Providence, R. I.
Stecher Chas. Co., 1580 Crossing, Chicago, Ill.
Stoll D. H. Co., Buffalo, N. Y.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Wold, Torris & Co., 240 N. Ashland av, Chicago, Ill.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

### 11564— Presses (Hot Plate)

Dunning & Boschert Press Co. (Inc.), 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Gerdes & Co., 42 Church, New York *See adv index at end of book*
Hydraulic Press Mfg. Co. (For Hot Pressing & Rubber Vulcanizing), Mt. Gilead, Ohio *See adv index at end of book*
Turner Tanning Machy. Co. ("Turner" Power), Peabody, Mass.

### 11564a—*Presses (Hot & Cold)

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Aldrich Pump Co., Allentown, Pa.
Alliance Machine Co., Alliance, O.
Am. Machine & Foundry Co. (For Cotton Seed, etc), Atlanta, Ga.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Bethlehem Steel Co. (Of All Descriptions), South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co. (To Specifications), Birdsboro, Pa.
Birmingham Iron Foundry, Derby, Conn.
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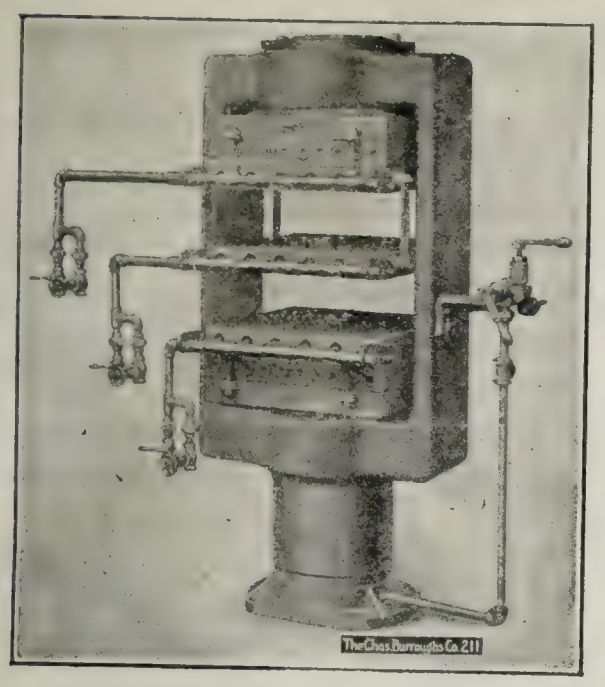
**BURROUGHS CHARLES COMPANY** (For Making Electric Insulators & Bakelite, Condensite & Shellac Products), Newark, N. J *See adv index at end of book*

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Chambersburg Eng. Co., Chambersburg, Pa.
Currier Cyrus & Sons, 365 Market, Newark, N. J.
Davis-Johnson Mfg. Co., 4811 W Jackson, Chicago, Ill.
Defiance Machine Works (Hub, Flange & Wheel), Defiance, O.
Dennis John Machine Co. (For Hot Pressing), Lowell, Mass.
Dudgeon Richard, 24 Columbia, New York
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*See adv index at end of book*
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**GERDES & CO.** (for Every Purpose), 42 Church, New York
*See adv index at end of book*
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Herr Automatic Press Co., Ambler, Pa.
Holmes Bros., 440 N Sacramento, Chicago, Ill.
Holyoke Machine Co., Holyoke, Mass.
Hydraulic Engineering Works, 708 Fulton, Chicago, Ill.
**HYDRAULIC PRESS MFG. CO.** ("H. P. M."), Mount Gilead, O.
*See adv index at end of book*
Illinois Iron & Bolt Co. (For Wagon or Carriage Mfrs.), Carpentersville, Ill.
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Kane & Roach, Syracuse, N. Y.
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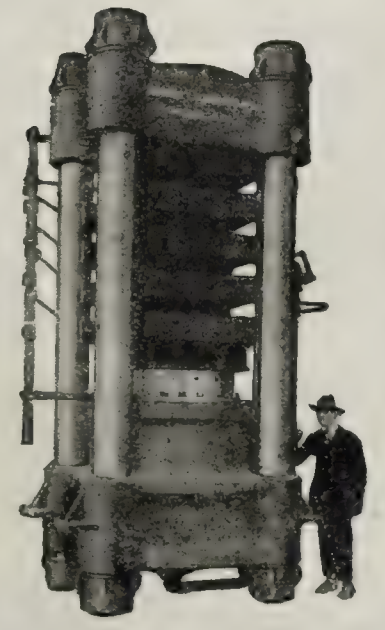

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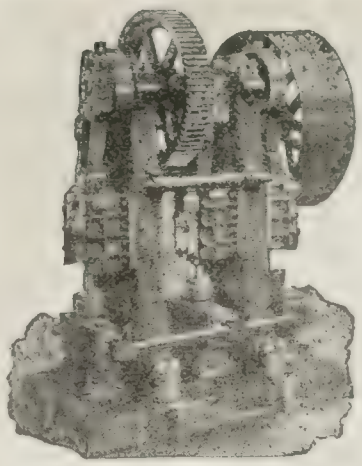

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Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
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Phila. Drying Machinery Co., 3351 Stok-
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Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.
Thomas Albright Co. (For Tankage, Tallow, Leather, etc), Goshen, Ind.
Thropp Wm. R. & Sons Co. (Rubber Mfrs. Presses a Specialty), Trenton, N. J.
**THROPP'S JOHN E. SONS CO.,** ft Lewis, Trenton, N. J. *See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
Treadwell Engineering Co., Easton, Pa. *See adv index at end of book*
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, O.
Van Atta & Co., Inc., Olean, N. Y.
Vaughn Co. (For Rubber Mfrs.), Cuyahoga Falls, O. *See adv index at end of book*
Vulcan Iron Works (Portable, for Pressing on & off Cranks, Crank Pins, Car Wheels, etc), 327 N Irving av, Chicago, Ill.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Watson Machine Co. (For Silk, Cotton & Rubber), Paterson, N. J.
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See also Flanging Machines

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Bethlehem Steel Co., South Bethlehem, Pa.
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Niles-Bement-Pond Co., 111 B'way, New York
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 11570—Presses (Hydraulic Forcing)

See also Presses, Forcing

Chambersburg Engineering Co. (For Bushings, etc), Chambersburg, Pa. *See adv index at end of book*
Treadwell Engineering Co., Easton, Pa.

## 11571—Presses (Hydraulic Forging)

See also Forging Machines

Aldrich Pump Co., Allentown, Pa.
Alliance Machine Co., Alliance, O.
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**ELMES CHAS. F. ENGINEERING WORKS,** Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
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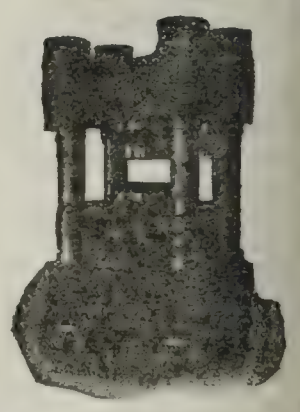

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Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
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Lobdell Car Wheel Co., Wilmington, Del.
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
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Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
*See adv index at end of book*
Meriden Press & Drop Co., ("Merriman"), Meriden, Conn.
Michigan Press Co., Ypsilanti, Mich.
**NIAGARA MACHINE & TOOL WORKS** (Power), Buffalo, N. Y.
*See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Rockford Iron Works ("Rockford"), Rockford, Ill.
Standard Machinery Co., Providence, R. I.
Swaine F. J. Mfg. Co., 7th & O'Fallon, St. Louis, Mo.
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.
Willard Middletown Machine Co. (Power), Covington, Ky.
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Elmes Chas. F. Eng. Wks. Inc., cor. Fulton & Sangamon, Chicago, Ill.
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## Presses (Knit Goods & Hosiery)

See Clothes Pressing Machines

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Farrel Foundry & Machine Co., Ansonia, Conn.
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Standard Metalwork Co., Thompsonville, Conn.
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Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

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V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.

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Dunning & Boschert Press Co., Inc., 379 Water, Syracuse, N. Y.
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**ELMES CHAS. F. ENGINEERING WKS. (INC.),** cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 11588—Presses (Lard & Tallow)

Allbright-Neil Co. (For Lard & Oil Refining), 5315 Western av, Chicago, Ill.
**ANDERSON V. D. CO.** ("Anderson"), W 96th, Cleveland, O.
*See adv index at end of book*
Brecht Co. (Hydraulic Tankage), 1201 Cass av, St. Louis, Mo.
Donaldson Bros., Mount Clemens, Mich.
**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Enterprise Mfg. Co. of Pa., N 3d & Dauphin, Phila., Pa.
Griswold Mfg. Co. (Lard Only), Erie, Pa.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lansing Co. (Hand), Lansing, Mich.
Schriver O. P. & Co., 621 E Pearl, Cincinnati, O.
Silver Mfg. Co. (Lard), No. 256, Salem, O.
Streeter N. R. & Co. ("Sensible"), Rochester, N. Y.
Thomas Albright Co. (Hydraulic), Goshen, Ind.
Wagner Mfg. Co., Sidney, Ohio
**WASTE SAVING MACHINE CO., Real** Estate Trust bldg, Phila., Pa.
Wrightsville Hardware Co., Wrightsville, Pa.

## 11588a— *Presses (Lead)

Elmes Chas. F. Eng. Wks. Inc., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 11588b—*Presses (Lead Seal)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**MORRILL CHAS.** ("Apex"), 100 Lafayette, New York
*See adv index at end of book*

## 11589— Presses (Leather)

**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Quirin Leather Press Co., Olean, N. Y.
Randall J. D. Co. (For Harness & Horse Collar Mfrs., etc), 610 W Court, Cincinnati, O.
Sheridan T. W. & C. B. Co., 434 B'way, New York
Thomas Albright Co. (Hydraulic for Pressing Out Moisture), Goshen, Ind.
Woodall Mfg. Co. ("Money Saver" Scrap), 500 Taylor, Davenport, Ia.

## 11590-1— Presses (Lever)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co. (For Sheet Metal), Bridgeton, N. J.
Leffler Chas. & Co. ("On Table," Toggle Lever Foot), 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y.
*See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Perrin Wm. R. & Co., 37 W Van Buren, Chicago, Ill.
Philadelphia Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila, Pa.
**SHUSTER F. B. CO.,** Cedar Hills, New Haven, Conn. *See adv index at end of book*
Stoll D. H. Co., Buffalo, N. Y.
Swaine F. J. Mfg. Co. 7th & O'Fallon, St. Louis, Mo.
Woonsocket Machine & Press Co., Woonsocket, R. I.

## 11592—Presses (Linseed Oil)

**ANDERSON V. D. CO.** ("Anderson"), W 96th, Cleveland, O.
*See adv index at end of book*
Buckeye Iron & Brass Works, Dayton, O.
**ELMES CHAS. F. ENGINEERING WORKS (INC.),** cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
French Oil Mill Machinery Co., Piqua, O.
**HYDRAULIC PRESS MFG. CO.,** Mount Gilead, Ohio *See adv index at end of book*
Platt Iron Works Co., Dayton, O.

## 11593—Presses (Lithographers')

Babcock Printing Press Mfg. Co., New London, Conn.
Cottrell C. B. & Sons Co., Westerly, R. I.
Fuchs & Lang Mfg. Co., 119 W 40th, New York
Hall Printing Press Co., Dunellen, N. J.
Harris Automatic Press Co. (Rotary Off Set), E 71st, Cleveland, O.
Hoe R. & Co., 504 Grand, New York
Premier & Potter Printing Press Mfg. Co., Shelton, Conn.
Scott Walter & Co. (Offset), Plainfield, N. J.
Wagner Chas. Machy. Co., Inc., 587 Hudson, New York

## 11593a— Presses (Machine)

Terkelsen & Wennberg ("T. & W." Semi-Automatic for Moulding Electrical Insulation), 328 A, Boston, Mass.

## Presses (Mandrel)

See Presses, Arbor

## 11594—Presses (Meat Juice)

Athol Machine Co. ("Domestic"), Athol, Mass.
**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Osborne C. S. & Co. ("Osborne"), Box 183, Newark, N. J. *See adv index at end of book*
Walker C. L. & Co. ("Quick & Easy"), 656 W 12th, Erie, Pa.

## 11594a—*Presses (Metal Drawing)

Elmes Chas. F. Eng. Wks. Inc., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 11595— *Presses (Mica)

**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WORKS (INC.),** cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 11596— Presses (Moisture)

**ANDERSON V. D. CO. ("Anderson"), W** 96th, Cleveland, O.
*See adv index at end of book*

## Presses (Molding)

See Molding Machines, Foundry

## 11597—Presses (Multiple Punching)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Michigan Press Co., Ypsilanti, Mich.

## 11597a—*Presses (Nosing)

Elmes Chas. F. Eng. Wks. Inc., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 11597b—Presses (Oily Waste)

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

## 11598— Presses (Oleo)

Allbright-Nell Co., 5315 Western av, Chicago, Ill.
Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**Hydraulic Press Mfg. Co.** (Hydraulic), Mt. Gilead, O. *See adv index at end of book*

## 11599— Presses (Olive Oil)

**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**Hydraulic Press Mfg. Co.** (Hydraulic), Mt. Gilead, O. *See adv index at end of book*

## 11600—Presses (Paper Box Cutting & Creasing)

Beck Chas Machine Co., 607 Chestnut, Phila., Pa. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.

## 11601—Presses (Peanut Oil)

**ANDERSON V. D. CO. ("Anderson"), W** 96th, Cleveland, O.
*See adv index at end of book*
Buckeye Iron & Brass Works, Dayton, O.
Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*

## 11602— Presses (Perforating)

Ams Max Machine Co. ("Ams"), Bridgeport, Conn.
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
**HENRY & WRIGHT MFG. CO.** ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*
Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.
**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y.
*See adv index at end of book*
Slaysman & Co., 801 E Pratt Baltimore, Md.

## 11603—*Presses (Pickeye Forging)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, *See adv index at end of book*
California Tool Works, 181 Beale, San Francisco, Cal.

## 11604—Presses (Pipe Straightening)

United Engineering & Foundry Co. (For 6 to 12 inch Pipe), Keenan bldg., Pittsburgh, Pa.

## 11605— Presses (Platen)

**DUNNING & BOSCHERT PRESS CO.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Lobdell Car Wheel Co., Wilmington, Del.
McCall Machine Works, Rochester, N. Y.
Miller Saw-Trimmer Co. (Feeders), Point bldg., Pittsburgh, Pa.
Southwark Fdry. & Mach. Co. (Steam). 430 Wash. av, Phila., Pa.

## 11605a—*Presses (Playing Card)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 11606— Presses (Potato)

Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.

## 11607—Presses (Pottery Printing)

Logan Edw. Mach. Co. (Hand), Trenton, N. J.

## 11608— Presses (Power)

Adriance Machine Works (Sheet Metal, etc.), 80 Richards, Brooklyn, N. Y.
Alliance Machine Co. (Armature, Forging, Punching, etc), Alliance, O.
**AMERICAN CAN CO.** (Machinery Dept.) ("Rudolphi & Krummel" Patterns for Can Makers, etc), Monroe bldg, Chicago, Ill. *See adv index at end of book*
**AMS MAX MACHINE CO.** ("Ams") 101 Park av, New York
Anderson Machine & Foundry Co., Anderson, S. C.
**ANDERSON V. D. CO. ("Anderson"), W** 96th, Cleveland, O.
*See adv index at end of book*
Atlas Machine Co., Waterbury, Conn.
Automatic Machine Co., Bridgeport, Conn.
Ayars Machine Co. (For Can Making, etc), Salem, N. J.
Baird Machine Co., Bridgeport, Conn.
Bauroth E. F., Toledo, O.
Bender Ph. J. & Sons, 87 Frankfort, New York
Bertsch & Co. (Geared Punch, etc), Cambridge City, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
Birch & Birch (Blanking for Sheet Metal), Crawfordsville, Ind.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Brown F. S. & G. L. Machine Co., 26 E. Fort av, Baltimore, Md.
Cady Machine Co., Cleveland, O.
Cleveland Machine & Mfg. Co., 4944 Hamilton av, Cleveland, O.
**Cleveland Punch & Shear Works Co., 3921 St. Clair, N E, Cleveland, O.**
Cleveland Stamping & Tool Co., E 53d & Hamilton, Cleveland, O.
Cook H. C. Co. (Light Weight), 100-120 Jewett, Ansonia, Conn.
Cook Thos. W. G., 83 Walker, New York
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Curtis & Marble Machine Co., Worcester, Mass.
Draher John, Waterbury, Conn.
Dunning & Boschert Press Co. (Inc.), 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Enterprise Machinery Co. Inc., 32-34 S Clinton, Chicago, Ill.
Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
Falstrom & Tornquist Co. (For Corrugating Sheet Metal), Passaic, N. J.
Ferracute Machine Co., Bridgeton, N. J.
Frankford Foundry & Machine Works (Forgings & Punching), Widener bldg, Phila., Pa.
Garrison A. Foundry Co. (For Rolling Mills, etc), 901 Bingham, Pittsburgh, Pa.
Griswold Geo. M. Machine Co., New Haven, Conn.
Grote F. Co. (For Tobacco), Evansville, Ind.
Harris Engineering Co. (Multiple Slide), Bridgeport, Conn.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Humphrey Machine Co. (Also Hand), Keene, N. H.
Hydraulic Press Mfg. Co., Mount Gilead, O.
*See adv index at end of book*
Kane & Roach, Syracuse, N. Y.
Kling Bros., Engineering Works, 1300 N Kostner av, Chicago, Ill.
Leffler Chas. & Co. (Sheet Metal Cans, Tinware, etc, in Ten Sizes), 59 Clymer, Brooklyn, N. Y.
*See adv index at end of book*
Lippert & Rhenstrom, Kenosha, Wis.
Littell F. J. Machine Co. (Attachment For), 4125 Ravenswood av, Chicago, Ill. *See adv index at end of book*

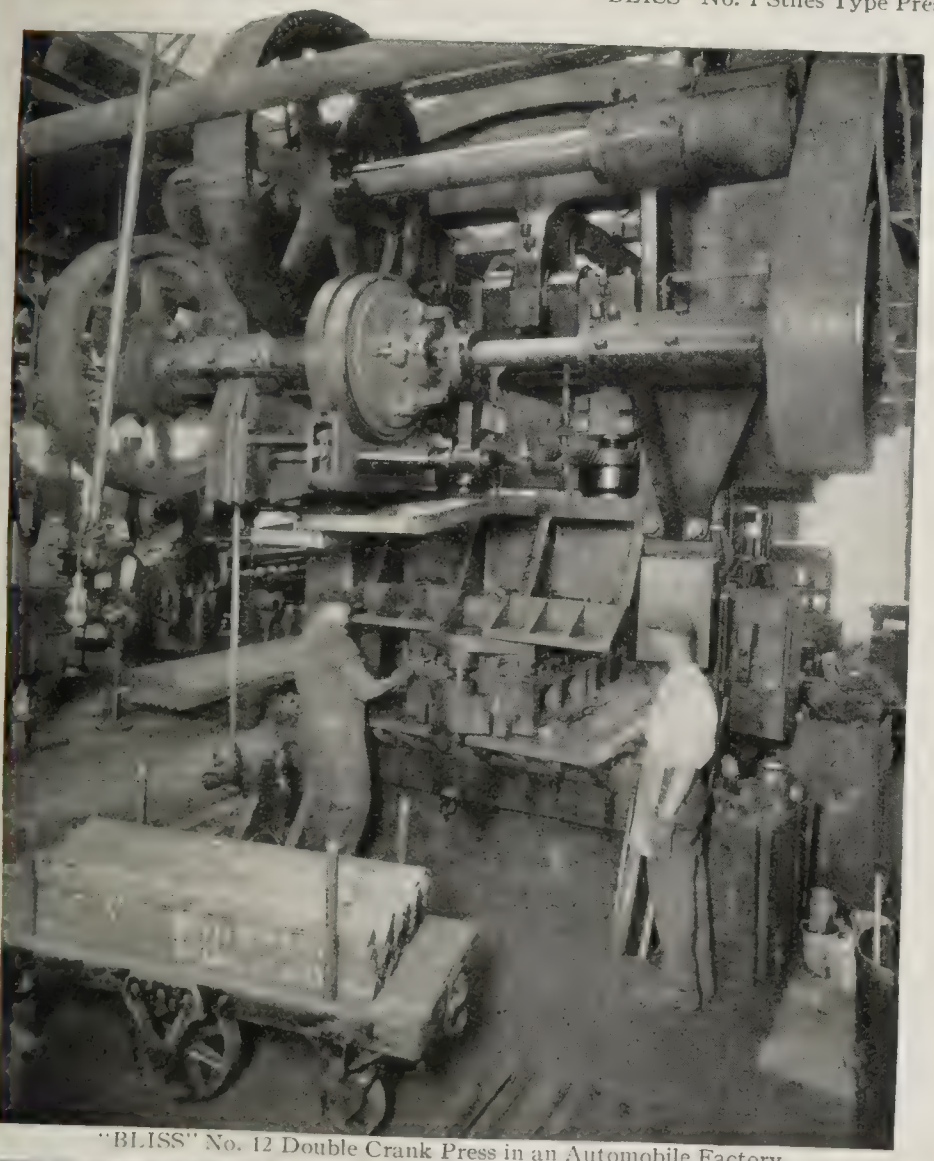
We specialize on Roll Feeds, Dial Feeds and Special Feeds for all makes of Punch Presses.
F. J. LITTELL MACHINE CO.
**4125 Ravenswood Ave., Chicago, Ill.**

Logemann Bros. Co. (Cutting), 3130 Burleigh, Milwaukee, Wis.
Loshbough & Jordan Tool & Machine Co., Elkhart, Ind.
Lourie Mfg. Co. (Any Purpose), Springfield, Ill.
Loyd John Co., 124 Baxter, New York
Lucas Machine Tool Co. ("Lucas" Power Forcing), 524 E 99th, Cleveland, O.
McDonald Machine Co., 3207 Shields av, Chicago, Ill.
McSherry Mfg. Co. (Punching), Pittsburgh, Pa.
Manville E. J. Machine Co. (Single & Double Acting), Waterbury, Conn.
Massilon Foundry & Machine Co. ("Massillon"), Massillon, O.
Meriden Press & Drop Co. ("Merriman" Punching), Meriden, Conn.
Michigan Press Co., Ypsilanti, Mich.
Mitchell Jno. R. Co., 702 S Washington, Baltimore, Md.
National Roll & Foundry Co., Avonmore, Pa.

"BLISS" No. 8 Bench Power Press

"BLISS" No. 1 Stiles Type Press

"BLISS" No. 5 Double Seamer
(Used as a Trimmer)



"BLISS" No. 12 Double Crank Press in an Automobile Factory

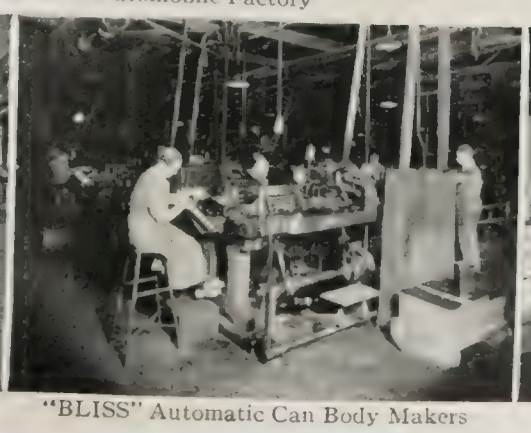
# "BLISS" Presses

## *In Action*

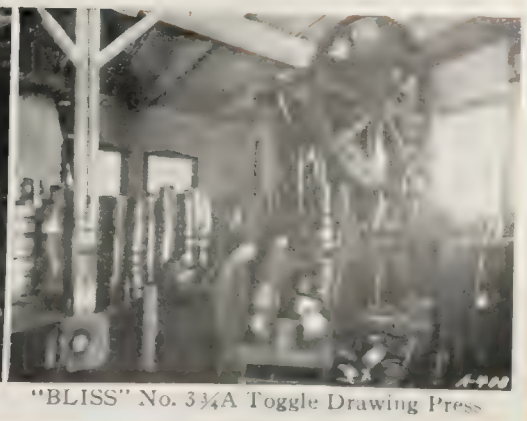
These pictures are made from photographs taken in our customers' shops showing various types of "BLISS" Presses and Metal Working Machinery in operation at their regular daily tasks.

**E. W. Bliss Company**
BROOKLYN, N. Y., U. S. A.

Battery of "BLISS" No. 16 Horning and Wiring Presses



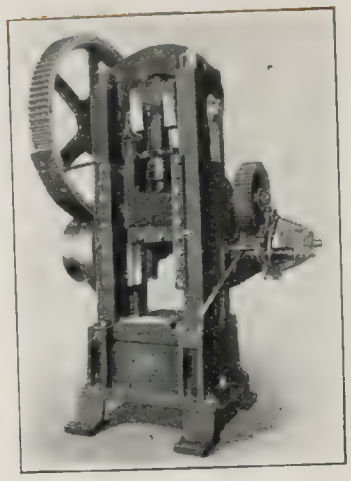
"BLISS" Automatic Can Body Makers



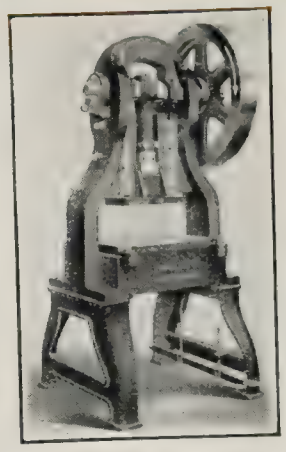
"BLISS" No. 3¼A Toggle Drawing Press

**"BLISS" INCLINABLE POWER PRESSES**—18 sizes, weighing from 500 to 8,000 lbs., either as "Fly-wheel" or "Geared" Presses. Adapted for tin, sheet-brass, sheet-steel work, etc.

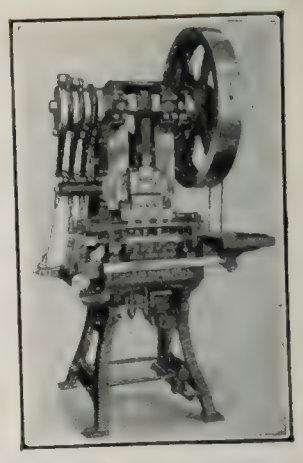
**"STILES" PUNCHING PRESSES**—11 sizes, weighing from 550 to 13,000 lbs. Adapted for the manufacture of general hardware, electrical goods, etc.



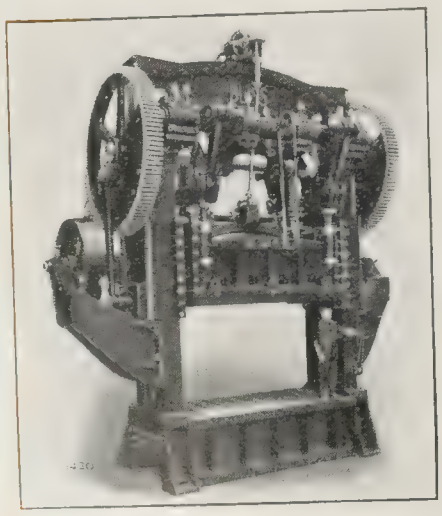
**"BLISS" REDUCING PRESSES**—For reducing cups or shells previously cut and formed in double-action presses, and for drawing and forming. Many sizes.



**"BLISS" POWER PRESSES**—Nos. 29, 30 and 30-N, weighing from 3,000 to 5,400 lbs., also built with gearing. Adapted for many operations in the manufacture of pieced tinware, ironware, etc.



**AUTOMATIC FEEDS**—The illustration shows press with friction dial and lateral feeds. As arranged, the press performs four operations simultaneously at each stroke.



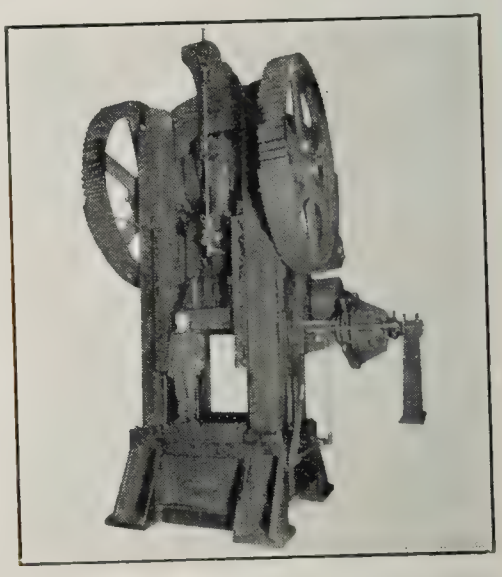
**"BLISS" DOUBLE-CRANK TOGGLE DRAWING PRESSES**—Built in 40 sizes, adapted for heavy drawing, and forming of large articles such as Automobile Parts. Weights, 15,000 to 325,000 lbs.

# "BLISS" Presses

*and*

## Sheet Metal Working Machinery

### *For Every Purpose*



**"BLISS" STRAIGHT SIDE PRESSES**—Made in a large number of sizes with solid and tie-rod frames, and weighing from 5,000 to 300,000 lbs. For heavy stamping, punching, cutting, piercing and trimming.

From tiny Bench Presses, little more than two feet high, up to huge machines nearly 40 feet in height. The "BLISS" line includes Drop Forging Machinery, Automatic Tin Can Machinery, Metal Package Machinery, Automobile Parts Machinery, Double Seamers, Shears, Slitters, Minting Machinery, Ordnance Machinery, Dies and Special Machinery for every Sheet Metal Working Requirement. A Sectional Catalogue describing any type of "BLISS" Machine sent upon request.

## E. W. Bliss Company

*Main Offices:* BROOKLYN, N. Y., U. S. A.

*American Factories:* BROOKLYN, N. Y. and HASTINGS, MICH.

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DETROIT, Dime Bank Bldg.
CLEVELAND, Union Bank Bldg.
CINCINNATI, Union Trust Bldg.
BUFFALO, Marine Bank Bldg.
ST. LOUIS, Boatmen's Bank Bldg.
PITTSBURGH, Keenan Bldg.

*Foreign Sales Offices and Factories*

London, England, Pocock Street, Blackfriars Road, S. E. — Paris, France, 100 Boulevard Victor-Hugo, St. Ouen

BLISS 1857

BLISS 1920

New Doty Mfg. Co., Janesville, Wis.
**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Nilson A. H. Machine Co. ("Special"), Bridgeport, Conn.
Ohl Geo. A. & Co. (For Sheet Metal Workers), 159 Oraton, Newark, N. J.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Perkins Machine Co. (Punching, Forging, Dial, etc), Warren, Mass.
Perrin Wm. R. & Co., 37 W Van Buren, Chicago, Ill.
Richard Mfg. Co., Bloomsburg, Pa.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Rockford Iron Works ("Rockford," High Duty), Rockford, Ill.
Rowbottom Machine Co. ("Rowbottom Yankee" Bench), Waterville, Conn.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Seattle-Astoria Iron Works (Die Presses for Salmon Canneries, etc), Seattle, Wash.
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga. *See adv index at end of book*
Sheridan T. W. & C. B. Co. (Cutting), 434 B'way, New York
Slaysman & Co. (Can Makers. etc), 801 E Pratt, Baltimore, Md.
Springfield Machine Tool Co., Springfield, Ohio
Standard Machinery Co. (Single & Double Acting), Providence, R. I.
Standard Metalwork Co., Thompsonville, Conn.
Stoll D. H. Co. (For Sheet Metal, etc), Buffalo, N. Y.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N. W., Cleveland, O.
Swaine Fred J. Mfg. Co. (Punching), 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo"), (Double Geared), Toledo, O.
Torrington Mfg. Co. (Single or Double Action Cam or Crank), Torrington, Conn.
United Engineering & Foundry Co., Keenan bldg., Pittsburgh, Pa.
V. & O. Press Co., Dry Harbor rd, Glendale Sta., N. Y.
Verdin, Kappes & Verdin Co. (Punching. Hand Operated Safety Clutch Trips), Cincinnati, O.
Walsh Press & Die Co. (Double Crank Dies & Inclinable Open Back), 4709 W Kinzie, Chicago, Ill.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Wells Frank L. Co. (Multiple Power Punching), Kenosha, Wis.
Wilcox Mfg. Co. (Horn Punch), 4824 W Lake, Chicago, Ill.
Willard Middleton Machine Co., Covington, Ky.
Zeh & Hahnemann Co. (Inclinable, Straight sided. etc), Vanderpool, Newark, N. J.

## 11609-10—Presses (Power Forcing)

See also Presses, Forcing
Lucas Machine Tool Co. ("Lucas"), 524 E 99th, Cleveland, O.

## 11611—Presses (Printers' Proof)

Chandler & Price Co. (Galley), 6000 Carnegie av, Cleveland, O.
Damon Geo. & Sons, 44 Beekman, New York
Premier & Potter Printing Press Co. ("Potter" "Poco"), Shelton, Conn.

## Presses (Printing)

See Printing Presses & Machinery

## 11612—Presses (Printing & Embossing)

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
**National Machine Co. ("Hartford," Cutting & Creasing & "Hartford" Embossing), Hartford, Conn.**

## 11613—*Presses (Projectile or Shell Banding, Hydraulic)

Mesta Machine Co. (Shell Banding), Box 1124, Pittsburgh, Pa. *See adv index at end of book*
West Tire Setter Co., Rochester, N. Y.

## 11613a— Presses, (Proof)

Challenge Machinery Co. ("Challenge"), Grand Haven, Mich.

## Presses (Punching)

See Presses, Power

## 11614—Presses (Punching, Hand Power)

Braun J. G., 609 S Paulina, Chicago, Ill.

## 11615—Presses (Rail Straightening)

Alliance Machine Co., Alliance, O.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Hydraulic Press Mfg. Co. (The), Mt. Gilead, O. *See adv index at end of book*
Kane & Roach, Syracuse, New York
Mackintosh, Hemphill Co., ft of 12th, Pittsburgh, Pa.
United Engineering & Foundry Co., Keenan bldg., Pittsburgh, Pa.

## 11616— Presses (Reducing)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Leffler Chas. & Co., 59 Clymer, Brooklyn, N. Y. *See adv index at end of book*
Perkins Machine Co., Warren. Mass.
Standard Machinery Co., Providence, R. I.
Stoll D. H. Co., Buffalo, N. Y.
V. & O. Press Co. ("V. & O."), Dry Harbor rd, Glendale Station, N. Y.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

## 11617— Presses (Riveting)

Alliance Machine Co., Alliance, O.
Ferracute Machine Co., Bridgeton, N. J.
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*
Perkins Machine Co., Warren, Mass.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
**Williams, White & Co. (Horizontal), Moline, Ill.**

## 11618— Presses (Roll Feed)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
**HENRY & WRIGHT MFG. CO.** ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*

## 11619— Presses (Rotary)

**Kidder Press Co. (All Kinds), Dover, N. H.**
Pittsburgh Machine Tool Co. ("Curtis"), Corey, Pittsburgh, Pa.

## 11620— Presses (Rubber)

Blymyer Iron Works Co. (For Pressing Crude Rubber Boles), Cincinnati, O.
Camden Iron Wks., Camden, N. J.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*
Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

## 11620a—*Presses (Sagger)

Crossley Machine Co., State & Chestnut av, Trenton, N. J. *See adv index at end of book*

## 11621—Presses (Salt Compressing)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Dunning & Boschert Press Co., Inc., 379 W Water, Syracuse, N. Y.

## 11622—Presses (Scrap Metal)

See also Presses, Baling, Metal Scrap
**DUNNING & BOSCHERT PRESS CO.,** 375 W Water, Syracuse, N. Y. *See adv index at end of book*
Famous Mfg. Co. (Pressed into Cubes), East Chicago, Ind.
Galland-Henning Mfg. Co., 97 Wisconsin, Milwaukee, Wis.
Woodall Mfg. Co. ("Money Saver"), 500 Taylor, Davenport, Ia.

## 11623— Presses (Screw)

**AMERICAN CAN CO. (Machinery Dept.)** ("Rudolphi & Krummel" Hand & Power), Monroe bldg, Chicago, Ill. *See adv index at end of book*
American Process Co. (Automatic, Continuous), 68 William, New York
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Barnes W. F. & John Co. ("Barnes" Adjustable for Machine Shops), Rockford, Ill.
Bates Elevator Co., 211 Preston, Baltimore, Md.
Bender Ph. J. & Sons, 87 Frankfort, New York
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Burroughs Chas. Co., 141 Commerce, Newark, N. J. *See adv index at end of book*
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Cook Thos. W. G., 83 Walker, New York
Dennis John Machine Co. (For Hot Pressing), Lowell, Mass.
**DUNNING & BOSCHERT PRESS CO. INC.** (Power), 379 W Water, Syracuse, N. Y. *See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WORKS (INC.),** cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Lovewell-Henrici Co., Chelsea, Mass.
Loyd Jno. Co., 124 Baxter, New York
Manhattan Machine & Tool Works (For Testing Dies), Grand Rapids, Mich.
Nashua Steam Presses & Boiler Wks., Nashua, N. H.
New Doty Mfg. Co., Janesville, Wis.
**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*
Perkins Machine (Hand & Power), Warren, Mass.
Perrin Wm. B. & Co. (For Abattoir), 37 W Van Buren, Chicago, Ill.
Philadelphia Drying Machinery Co. ("Hurricane," Power), 3351 Stokley, Phila., Pa.
Pruyn David H. Co., 131 Columbus av, Boston, Mass.
Renneburg E. & Sons Co. (Continuous), 2639 Boston, & Lakewood, Baltimore, Md.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Smith, Drum & Co. (Power), Allegheny av & 5th, Phila., Pa.
Standard Machinery Co., Providence, R. I.
Standard Metalwork Co., Thompsonville, Conn.
Stecher Chas. Co. (Arch Screw for Testing Out All Kinds of Cutting, Stamping, Embossing & Forming Dies), 1580 Crossing, Chicago, Ill.
Stoll D. H. Co., Buffalo, N. Y.
Swaine F. J. Mfg. Co. (Arch, etc.), 7th & O'Fallon, St. Louis, Mo.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

## 11624— Presses (Seal)

American Stamp Mfg. Co., 85 John, New York
Ashbery Henry C., 285 Washington, Buffalo, N. Y.
Dickey Grabler Works, W Madison & 103rd, Cleveland, Ohio
Gibson A. C. Co. (Car, Corporation, Notary, etc), Buffalo, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Handlan-Buck Mfg. Co. ("Handlan"), 210-14 N 3d, St. Louis, Mo.

PRESSES (SEAL)—continued
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Moise-Klinckner Co., 369 Market San Francisco, Cal.
Morrill Chas. ("Morrill" & "Apex" (For impressing lead seals), 100 Lafayette, New York
*See adv index at end of book*
Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Parker T. M., Hartford, Conn.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Sigwalt Mfg. Co. ("Sigwalt," "Star," "Maas," "Lion Head," "Long Reach," "County," "Consular," "Jewell"), 3658 Armitage, Chicago, Ill.
Smith R. H. Mfg. Co. ("Bay State"), Springfield, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Spokane Stamp Works, Spokane, Wash.
Stewart R. A. & Co., 201 B'way, New York
Utica Drop Forge & Tool Co., Utica, N. Y.

## Presses (Sewer Pipe)

See Sewer Pipe Machinery

## 11625—Presses (Shaft Straightening)

See also Shaft Straightening Machines
Also Presses, Straightening

Brightman Mfg. Co., Columbus, O.
Logemann Bros. Co. (Also Pipe & Bar), 3130 Burleigh, Milwaukee, Wis.
Metalwood Mfg. Co., Leit & Wright, Detroit, Mich.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 11626— Presses (Sheepskin)

**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Thomas Albright Co. (Hydraulic), Goshen, Ind.

## 11627—Presses (Sheet Metal Working)

See also Sheet Metal Workers' Machines & Tools

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
**HENRY & WRIGHT MFG. CO.** ("Wright"), 760 Windsor, Hartford, Conn. *See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Leffler Chas. & Co. (Power), 59 Clymer, Brooklyn, N. Y.
*See adv index at end of book*
Meriden Press & Drop Co. ("Merriman"), Meriden, Conn.
Perkins Machine Co., Warren, Mass.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

## 11628— Presses (Shook)

Chase Turbine Mfg. Co. (Power Driven for Driving Together the Mortised Edges of Shooks on Boxes), Orange, Mass.

## 11629— Presses (Signature)

Hickok W. O. Mfg. Co., Harrisburg, Pa.
Sheridan T. W. & C. B. Co., 434 B'way New York

## 11630—*Presses (Silver Refiners')

**ELMES CHAS. F. ENGINEERING WKS. (INC.),** cor. Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

## 11631— Presses (Skein)

Williams, White & Co., Moline, Ill.

## 11632—Presses (Soap Makers')

See also Soap Makers' Machinery

Brown & Patterson, 33 Marcy av, Brooklyn, N. Y.
Detroit Soap Co. ("Ralston"), Detroit, Mich.
Hersey Mfg. Co., 314 W 2d, South Boston, Mass.
Houchin Aiken Co., 113 53d, Brooklyn, N. Y.
Machinery Designing & Mfg. Co. ("Dreadnought"), 656 Hudson, New York
Rutschman Oscar F. (For Toilet Soap), 1906 E Westmoreland, Phila. Pa.
Sowers Mfg. Co., 1320 Niagara, Buffalo N. Y.

## 11633— *Presses (Solder)

Donoghue James, Cleveland, O.
**ELMES CHAS. F. ENGINEERING WKS. (INC.),** cor. Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

## Presses (Sprue)

See Cutters, Sprue, Foot & Power

## 11634—*Presses (Stagger Feed)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 11635— Presses (Stamping)

Adriance Machine Works ("Adriance"), 80 Richards, Brooklyn, N. Y.
Aldrich Pump Co., Allentown, Pa.
**AMERICAN CAN CO.** 120 B'way New York. *See adv index at end of book*
**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
Baird Machine Co., Bridgeport, Conn.
Baxendale, Whittlesey & Cummings, Rochester, N. Y.
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Carver C. R. Co., 20th & Clearfield, Phila., Pa.
East Iron & Machine Co., 351 E Market, Lima, O.
Ferracute Machine Co., Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
*See adv index at end of book*
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Hickok W. O. Mfg. Co., Harrisburg, Pa.
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
McCall Machine Works, Rochester, N. Y.
Michigan Press Co., Ypsilanti, Mich.
Slaysman & Co., 801 E Pratt, Baltimore, Md.
Stoll D. H. Co., Buffalo, N. Y.
Swaine F. J. Mfg. Co. (Sheet Metal), 7th & O'Fallon, St. Louis, Mo.
Toledo Machine & Tool Co. ("Toledo" Sheet Metal), Toledo, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
Zeh & Hahnemann Co., Vanderpool, Newark, N. J.

## 11636— Presses (Starch)

**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WKS. INC.,** cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Thomas Albright Co. (Hydraulic, for Lump Starch), Goshen, Ind.

## 11637—Presses (Stationers' Embossing)

See also Presses, Embossing

Carver C. R. Co., 20th & Clearfield, Phila., Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 11638—Presses (Steam, Hydraulic)

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.
United Engineering & Foundry Co. ("Davy Bros."), Keenan bldg., Pittsburgh, Pa.

PRESSES—Steam Hydraulic and Hydraulic
For Forging, Bending, Punching Flanging, Shearing, Etc.
(Write for Bulletin L)
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.

## 11639—*Presses (Steam, Hydraulic Bending)

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 11640—Presses (Stearic Acid)

**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O.
*See adv index at end of book*

## 11641— Presses (Stearine)

**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Platt Iron Works Co. (Hydraulic), Dayton, Ohio

## 11641a—*Presses (Steel Forming)

Elmes Chas. F. Eng. Wks. Inc., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Henry & Wright Mfg. Co. ("Wright"), 760 Windsor, Hartford, Conn.
*See adv index at end of book*

## 11642—*Presses (Stiles Punching)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 11643—Presses (Straightening)

Dealano E. A. Co. (For Shafting), 1401 W North, Chicago, Ill.
Elmes Chas. F. Eng. Wks. Inc., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Geier P. A. Co. ("Geier" Bench Sstraightening Press & Centers), Cleveland, O.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse") (For Round or Flat Stock), New Bedford, Mass.
Noyes B. B. Co. ("Little Giant" Bench Hand Power), Greenfield, Mass.
Southwark Fdry. & Mach. Co., 430 Wash. av, Phila., Pa.
Springfield Machine Tool Co. (Bench Straightening), Springfield, O.
**WATSON-STILLMAN CO.** (Hydraulic), 38 Church, New York
*See adv index at end of book*

## Presses (Sugar Filtering)

See Filters, Mechanical

## 11644— Presses (Tan Bark)

Turner Tanning Machinery Co. ("Turicer" for Tanneries), Peabody, Mass.

## 11645— Presses (Tankage)

**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O.
*See adv index at end of book*

## 11646—Presses (Ticket Printing)

Kidder Press Co. (Flat & Rewound Delivery), Dover, N. H.
Meisel Press Mfg. Co. (Transfers, Strip or Mileage), 942 Dorchester av, Boston, Mass.
Rand, McNally & Co., 538 S Clark, Chicago, Ill.
Wrigley Thos. Co. ("Wrigley" Patent Local), 504 Sherman), Chicago, Ill.

## 11647—Presses (Tile & Porcelain)

Elmes Chas. F. Eng. Wks Inc., cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Mueller Machine Co., Trenton, N. J.
Southwark Fdry. & Mach. Co. (Tile), 430 Wash. av, Phila., Pa.

## 11648— Presses (Tincture)

**DUNNING & BOSCHERT PRESS CO. INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Enterprise Mfg. Co. of Pa., 3d & Dauphin, **Phila., Pa.**

## 11649— Presses (Tin Printing)

Hoe R. & Co., 504 Grand, New York
Premier & Potter Printing Press Mfg. Co. (Rotary), Shelton, Conn.

## 11649a—Presses (Tip Printing & Embossing)

Rau Enamel, 30 Church, New York

## 11649b—*Presses (Tire Applying)

Dunning & Boschert Press Co., Inc., 379 W. Water, Syracuse, N. Y.
*See adv index at end of book*
Williams Foundry & Machine Co., Akron, O. *See adv index at end of book*

## 11649c—*Presses (Tire Forcing)

Dunning & Boschert Press Co., Inc., 379 W. Water, Syracuse, N. Y.
*See adv index at end of book*
Elmes Chas. F. Eng. Wks Inc., cor. Fulton & Sangamon, Chicago, Ill.
***See adv index at end of book***

## Presses (Tire Welding)

See Tire Welding Machines

## Presses (Tissue Paper Printing)

See Presses, Wrapping & Tissue Paper Printing

## 11650— Presses (Tobacco)

Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Cutaway Harrow Co., Higganum, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grote F. Mfg. Co., Evansville, Ind.
Hydraulic Press Mfg. Co., Mount Gilead, O.
*See adv index at end of book*
Lacy Jas. C. Co. (Screw), Block & Wills, Baltimore, Md.
Nagley Mfg. Co., Lyons, N. Y.
Ripley Foundry & Machine Co. ("Parker" Portable, "Russell" Split Nut Hand Power & Hydraulic Hogshead), Ripley, O.
Woodall Mfg. Co. ("Money Saver" Stems Only), 500 Taylor, Davenport, Ia.

## 11651— Presses (Toggle)

**AMS MAX MACHINE CO.** ("Ams"), 101 Park av, New York
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
**DUNNING & BOSCHERT PRESS CO. INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Ferracute Machine Co., Bridgeton, N. J.
Griswold George M. Machine Co. (Power Toggle Joint), New Haven, Conn.
King R. D. (Attachments), 51 W Jackson, Chicago, Ill.
**NIAGARA MACHINE & TOOL W'KS** (Toggle Draw), Buffalo, N. Y.
*See adv index at end of book*
Poorman O. O. Co., New Bremen, O.
Stoll D. H. Co. (Double Crank), Buffalo, N. Y.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Turner Tanning Machinery Co. ("Turner"), (For Belt Mfrs., Hand & Belt Power), Peabody, Mass.

## 11652—*Presses (Toggle Drawing)

See also Presses, Drawing; also Presses, Power

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WKS.**, Buffalo, N. Y.
***See adv index at end of book***

## 11653—Presses (Trap)

**ELMES CHAS. F. ENGINEERING WKS. (INC.)**, cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*

## 11654— Presses (Treadle)

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Ferracute Machine Co. (Sheet Metal), Bridgeton, N. J.
Slaysman & Co. (Can Makers), 801 E Pratt, Baltimore, Md.

## 11655— Presses (Trimming)

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
**AMERICAN CAN CO. (Machinery Dept.)**, Monroe bldg, Chicago, Ill.
***See adv index at end of book***
Baird Machine Co., Bridgeport, Conn.
Billings & Spencer Co. ("B. & S."), Hartford, Conn.
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cook Thos. W. G., 83 Walker, New York
Danville Iron & Steel Co. (Alligator), Danville, Pa.
Ferracute Machine Co. (For Sheet Metal), Bridgeton, N. J.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Meriden Press & Drop Co. ("Merriman" for Forging & Hot Trimming), Meriden, Conn.
**MERRILL BROS.**, 3 Arnold, Maspeth, Boro. of Queens, New York
*See adv index at end of book*
**NIAGARA MACHINE & TOOL WKS.**, Buffalo, N. Y.
*See adv index at end of book*
Pawtucket Mfg. Co. (Automatic), Pawtucket, R. I.
Perkins Machine Co. (For Drop Forgings, etc), Warren, Mass.
Toledo Machine & Tool Co. ("Toledo" Power), Toledo, O.
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co. (Punching & Trimming), Waterbury, Conn.

## 11655a— *Presses (Trunk)

Elmes Chas. F. Engng. Works (Inc.), cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 11656— Presses (Tufting)

Hydraulic Press Mfg. Co. (For Carriage Mfrs., for Tufting Upholstery), Mt. Gilead, O. *See adv index at end of book*

## 11657—Presses (Type Embossing)

Oliver Machinery Co., Grand Rapids, Mich.
Roovers Bros. ("Roovers," for Pattern Letter Plates, Tags, Labels, etc), 100 Schermerhorn, Brooklyn, N. Y.
*See adv index at end of book*

## Presses (Unbaling)

See Presses, Tie Removing.

## 11658— Presses (Veneer)

American Woodworking Machinery Co., Rochester, N. Y.
Black Mfg. Co. (Power), Mendota, Ill.
**DUNNING & BOSCHERT PRESS CO. (INC.)**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WORKS (INC.)**, cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Farquhar A. B. Co., Ltd., York, Pa.
Francis Chas. E. Co. (Hydraulic & Screw), Rushville, Ind.
Handy Mfg. Co., 29 E Madison, Chicago, Ill.
Hydraulic Press Mfg. Co. (Hydraulic), Mount Gilead, O.
*See adv index at end of book*
Kline Lewis T., Alpena, Mich.
Merritt Mfg. Co., Lockport, N. Y.
Smith H. B. Machine Co., Smithville, N. J.
Towsley John T. Mfg. Co., Cincinnati, O.

## 11659—Presses (Vulcanizing)

Allen Machine Co. (Hydraulic), Erie, Pa.
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
**DUNNING & BOSCHERT PRESS CO. (INC.)**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**ELMES CHAS. F. ENGINEERING WORKS (INC.)** (Hydraulic), cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
Farquhar A. B. Co., York, Pa.
Farrel Foundry & Machine Co., Ansonia, Conn.
Hydraulic Press Mfg. Co. (Hydraulic), Mount Gilead, O.
*See adv index at end of book*
Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
Perrin Wm. R. & Co. (Hydraulic), 37 W Van Buren, Chicago, Ill.
Thropp Wm. R. & Sons Co. (Hydraulic), Trenton, N. J.
**THROPP'S JOHN E. SONS CO.** (Hydraulic), ft of Lewis, Trenton, N. J.
*See adv index at end of book*
United Roll & Foundry Co., Ravenna, Ohio
Vaughn Co. (Hydraulic Rubber), Cuyahoga Falls, O. *See adv index at end of book*
*See adv index at end of book*
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
**WILLIAMS FOUNDRY & MACHINE CO.** (Hydraulic "Akron-Williams"), Akron, O. *See adv index at end of book*

**Akron-Williams** vulcanizing presses are made in all the standard sizes. They are also made under special specifications to meet particular needs. Write for complete tire and rubber factory equipment catalog.
**THE WILLIAMS FOUNDRY & MACHINE CO.,**
**Akron, Ohio, U. S. A.**

## 11660— Presses (Warp)

Liddell Co., Charlotte, N. C.

## 11661—Presses (Waste Oil)

**STRONG MACHINERY & SUPPLY CO.** ("Economy" & "Eclipse"), 21 Walker, New York *See adv index at end of book*

## 11662—Presses (Watch & Clock Makers')

Blake & Johnson Co. (Arch or Pillar), 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

## 11663—Presses (Wax Testing)

**Moore Sam. L. & Sons**, Elizabeth, N. J.

## Presses (Wheel)

See Presses, Hydrostatic Wheel

## 11664— Presses (Wheelbox)

Lourie Mfg. Co. ("Hercules" Hydraulic), Springfield, Ill.

## Presses (Wine & Cider)

See Mills, Cider & Cider Presses

## Presses (Wiring)

See Presses, Horning & Wiring

## Presses (Wood Printing)

See Box Board Printing Machines

## 11665—Presses (Wood Pulley Glueing)

**DUNNING & BOSCHERT PRESS CO. (INC.)**, 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*

## 11666—Presses (Wood Pulp)

**DUNNING & BOSCHERT PRESS CO. (INC.)**, 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*
**Scott** Olin (Est. of), Bennington, Vt.
**Standard** Metalwork Co., Thompsonville, Conn.

## 11667—Presses (Wrapping & Tissue Paper Printing)

**Kidder** Press Co. (Combination Rotary), Dover, N. H.
**Meisel** Press Mfg. Co. (Sheet or Flat Delivery), 942 Dorchester av, Boston, **Mass.**

## 11668— Presses (Yarn)

Dunning & Boschert Press Co. (Inc.) (Baling), 379 W Water, Syracuse, N. Y. *See adv index at end of book*
**Liddell** Co., Charlotte, N. C.

## 11669— Preventers (Smoke)

See also Furnaces Smokeless

**Climax** Smoke Preventer Co., 261 Franklin, Boston, Mass.
Diamond Power Specialty Co., Oakland & Caniff, Detroit, Mich.

## 11670—Priers (Automobile Tire)

National Cutlery Co., Westmoreland & Boudinot, Phila., Pa.

## Prime Movers

**See** Dynamo & Motor Mfrs., Engines, Various Kinds; Generators, Various Kinds; Motors, Various Kinds; Turbines, Various Kinds; Windmills

## 11671— Primers (Cartridge)

See also Ammunition

**Peters** Cartridge Co., First Nat'l Bank bldg, Cincinnati, O.
Remington Arms Company Inc. ("U. M. C."), 233 B'way, New York
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 11671a—Primers (Gasoline Engine)

Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*

## 11672-3-4—Primers (Wood & Metal)

**Murphy** Varnish Co., 224 McWhorter, Newark, N. J.
**Valentine** & Co. ("Celox"), 456 4th av, New York

## Printers (Railroad)

**See** Railroad Stationery, Blanks, Manifests, etc.; also Loose Leaf Devices

## Printers Rubber Blankets

**See Blankets Printers & Lithographers**

## 11675-6-7—Printers' Wood Furniture

**Carrom** Co., Ludington, Mich.
**Damon** Geo. & Sons, 44 Beekman, New York
**Hamilton** Mfg. Co., Two Rivers, Wis.

## Printing Machines

**Consult** Index to Classifications for number of classification descriptive of the kind of Printing Machines required

## Printing Presses

**See Classification 8851**

## 11678-9—Printing Presses (Milk Bottle Caps)

**Meisel** Press Mfg. Co., 942 **Dorchester av**, Boston, Mass.

## 11680—Pritchels (Blacksmiths' & Farriers')

**Buffum** Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
**Heller** Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Plomb Tool Mfg. Co., 2209 Santa Fe, Los Angeles, Cal.

## 11681— *Projectile Bands

American Brass Co., Waterbury, Conn. *For branch offices see adv index at end of book*

## 11682— Projectiles (Steel)

American & British Mfg. Co., Charles, Providence, R. I. & Bridgeport, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Brenbunfus Engineering Co., Lorain, O.
Bridgeport Projectile Co., Union av, Bridgeport, Conn.
Firth-Sterling Steel Co., McKeesport, Pa.
Johnson Isaac G. & Co., Spuyten Duyvil, New York City, N. Y.
Midvale Steel & Ordnance Co. (Armor Piercing Shrapnel, etc), Widener bldg, Phila., Pa.

## 11683— Projection Apparatus

Bausch & Lomb Optical Co. (Balopticons), Rochester, N. Y.
Knott L. E. Apparatus Co. ("Sonograph" for Graphic Analysis of Sound Waves), 79 Amherst, Cambridge, Mass.
**Leitz Ernest (Universal Imp.)**, 30 E 18th New York
McIntosh Stereopticon Co., 30 E Randolph, Chicago, Ill.
Spencer Lens Co., Buffalo, N. Y.

## 11683a— Projectors (Electric Lights)

Am. La France Fire Engine Co., Elmira, N. Y.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Brenkert Light Projection Co., 49 Cortlandt, Detroit, Mich.
Crouse-Hinds Co., Syracuse, N. Y.
Cutter Co., 415 Notre Dame, So Bend, Ind.
Grether Fire Equipt. Co., Dayton, O.
Harter Mfg. Co., 522 Clinton, Chicago, Ill.
Lebby Engng. Co., Charleston, S. C.
Luminous Unit Co., Jefferson & Washington av, St. Louis, Mo.
National X-Ray Reflector Co., 233 W Jackson blvd, Chicago, Ill.
Penfield Mfg. Co., Meriden, Conn.
Pittsburgh Metal Spinning & Stamping Co., 400 Duquesne
Portable Elec. Searchlight Co., Boston, Mass.
Richardson Engng. & Mfg. Co., Hartford, Conn.
Universal Elec. Stage Lighting Co., 240 W 50th, New York
Western Elec. Co., 463 West, New York
Wheeler Reflector Co., 156 Pearl, Boston, Mass.

## Projectors (Electric Sign)

See Flashers, Electric Sign

## 11683b—Projectors (Floodlight)

Crouse-Hinds Co., Syracuse, N. Y.
Cutter Geo. Co., South Bend, Ind.
Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
General Electric Co., Schenectady, N. Y. *See adv index at end of book*
Harter Mfg. Co. ("Nitrolites," "Deluxlites"), 524 S Clinton, Chicago, Ill.
Luminous Unit Co., Jefferson & Washington av, St. Louis, Mo.
National X-Ray Reflector Co., 233 W Jackson blvd, Chicago, Ill.
Pittsburgh Metal Spinning & Stamping Co., 400 Duquesne
Universal Elec. Stage Lighting Co., 240 W 50th, New York
Wheeler Reflector Co., 156 Pearl, Boston, Mass.

## 11684—Projectors or Search Lights

See also Projectors, Electric Light

Baird C. R. Co., 24 E 23d, New York
Bausch & Lomb Optical Co., Rochester, N. Y.
Bogue Chas. J. Electric Co., 513 W 29th, New York
Brilliant Searchlight Mfg. Co., 529 Dearborn, Chicago, Ill.
Campbell A. S. Co. ("Cello" Searchlights for Automobiles & Motor Boats), 276 **Commercial, Boston, Mass.**
Carlisle & Finch Co., 229 E Clifton av, Cincinnati, O.
Colt J. B. Co., 30 E 42d, New York
Crouse-Hinds Co., Syracuse, N. Y.
De Vry Corp., 1248 Marianna, Chicago, Ill.
**Engberg Electric & Mechanical Works, St. Joseph, Mich.**
Enterprise Optical Mfg. Co., 564 W Randolph, Chicago, Ill.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Gillette Light Projector Co., 10710 Clifton blvd, Cleveland, O.
Graphoscope Co., 712 11th N W, Washington, D. C.
Kandem Electric Co. (Imp.), 152 Chambers, New York
National Marine Lamp Co. (Searchlight), Forestville, Conn.
Niagara Searchlight Co., Niagara Falls, N. Y.
Pathescope Co. of America, 35 W 42nd, New York
Pittsburgh Electric Specialties Co., Ross & 1st av, Pittsburgh, Pa.
Rateau, Battu Smoot Co. (Electric), 90 West, New York
Rex-Harris Fire Appliance Co., 310 W 39th, New York
S. & M. Lamp Co. ("S & M" Automobile), 118 W 36th, Los Angeles, Cal.
Sperry Gyroscope Co. (High Intensity), 40 Flatbush av ext, Brooklyn, N. Y.
Stewart-Warner Speedometer Corp., ("Stewart V Ray"), 1826 Diversey Parkway, Chicago, Ill.
Thompson A. T. & Co., 15 Tremont pl, Boston, Mass.
Vesta Accumulator Co. ("Vesta," Electric), 2100 Indiana av, Chicago, Ill.
Victor Animatograph Co. ("Victor" Projector With Electric Arc for Non-Transparencies), Davenport, Ia.
Wood Mfg. Co. (Electric), Fairfield, Conn.

## 11685— Prongs (Valve)

Hays Mfg. Co. (Brass), Erie, Pa.
Yonts C. H. & Co. (Malleable Iron), Meadville, Pa.

## 11686—Propellers (Aeroplane)

Am. Propeller & Mfg. Co., Covington & Gittings, Baltimore, Md.
Am. Sash & Door Co., Kansas City, Mo.
Breitung & Co., Ltd., Rockefeller bldg, Cleveland, O.
Cox Aero Works, Bayonne, N. J.
Doyle W. A., Trenton, N. J.
Hartzell Walnut Propeller Co., Piqua, O.
Lang Propeller Co., 527 5th av, New York
L-W-F Engineering Co., College Point, L. I., N. Y.
Matthews Bros. Mfg. Co., 61 4th, Milwaukee, Wis.
Steres Ed. & Sons, San Antonio, Tex.
U. S. Aero Propeller Co., Milwaukee, Wis.

## 11686a—Propellers (Ship & Boat)

**AMERICAN MANGANESE BRONZE CO.**, 3501 Rhawn, Phila., Pa.
**AMERICAN STANDARD SHIPFITTINGS CORP.**, 118 B'way, New York *See adv index at end of book*
Columbian Bronze Corp. (Bronze & Motor Boat), 522 5th av, New York
Keystone Bronze Co., 39h & A. V. R. R., Pittsburgh, Pa. *See adv index at end of book*
Oregon Brass Works (Manganese Bronze), 73 No 2nd, Portland, Ore.
Penna Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa. *See adv index at end of book*
Thacher Propeller & Foundry Corp., Albany, N. Y.

## 11687—Props (Carriage Top)

Cowles C. & Co. ("Thomas"), New Haven, Conn.
Monarch Carriage Goods Co. ("Monarch"), Cincinnati, O.
Searls Mfg. Co. ("Thomas" Mal, "Searls-Thomas"), 29 Mulberry, Newark, N. J.

## 11688— Props (Sash)

Corbin P. & F., New Britain, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven. Conn.

## 11689—Protectors (Automobile Horn Bulb)

**New York Wire & Spring Co. ("Asco"), 588 Washington, New York**

## 11690—Protectors (Book Corner)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Ideal Book Mailing Corner Co., Worcester, Mass.
Modern Mfg. Co., 543 N Lawrence, Phila., Pa.

## 11691— Protectors (Boot)

Channon Jas. H. Mfg. Co. ("Union" for Trench & R. R. Work, etc), 227 W Erie, Chicago, Ill.
**Horstmann Wm. H. Co. (For Foundry Men), 5th & Cherry, Phila., Pa.**

## Protectors (Catchers' Body)

See Base Ball Body Protectors

## Protectors (Check)

See Check Protectors

## 11692— *Protectors (Crusher)

Dings Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

## 11693— Protectors (Electric)

**Central Tel. & Electric Co., 310 N 11th, St. Louis, Mo.**
Cook Frank B. Co. ("Cook," Terminal), 326 W Madison, Chicago, Ill.
**D & W Fuse Co., Hathaway, Providence, R. I.**
**Fibre Corporation, Lockport, N. Y.**
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
**Helio Mfg. Co., 2530 N Broad, Phila., Pa.**
Metropolitan Engineering Co. (Network for Transformers), 1250 Atlantic av, Brooklyn, N. Y.
**Trio Mfg. Co. ("Tornquist"), Rock Island, Ill.**

## 11694— Protectors (Heel)

**Richard Stephen Co., Southbridge, Mass.**

## 11695—Protectors (Lubricator)

Sargent Co. ("Ironclad," for Locomotives), 625 W Jackson blvd., Chicago, Ill.

## 11696—Protectors (Milk Bottle)

Burgess & Norton Mfg. Co. ("Grant's"), Geneva, Ill.

## 11697— Protectors (Pole)

Hallett Iron Works ("Hallett"), Harvey, Ill.
Hubbard & Co. (Galvanized), 63d & Butler, Pittsburgh, Pa.
Lanz M. & Sons (Protection Strips), 2907 Carson, Pittsburgh, Pa.

## 11698—Protectors (Rail Bond)

Chase-Shawmut Co., Newburyport, Mass.
P. & M. Co., The (Wire), 80 E Jackson blvd, Chicago, Ill.

## 11699—Protectors (Roll & Fabric)

**Fabric Roll Protector Co., South Bend, Ind.**

## 11700— Protectors (Smoke)

**Cover H. S. ("Cover's"), South Bend, Ind.**
**Hayward S. F. & Co., 250 W. 4th, New York**

## 11701— Protectors (Switch)

**Lord Mfg. Co. ("Leco"), 105 W 40th, New York**

## 11702— Protectors (Thermometer Bulb)

**Grammes L. F. & Sons, Allentown, Pa.**
*See adv index at end of book*

## 11703— Protectors (Tire)

Britcson Mfg. Co., Brookings, S. D.
Double Fabric Tire Co., Auburn, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Kimball Tire Case Co. (Steel), Council Bluffs, Ia.
Leather Tire Goods Co. ("Woodworth" Treads), Niagara Falls, N. Y.
O'Neil Tire & Rubber Co., Akron, O.
Standard Tire Protector Co. (Rubber), Akron, O.
20th Century Tire Protector Co. ("20th Century"), Midlothian, Tex.
Universal Tire Protector Co., Angola, Ind.

## 11704— Protractors

Banks F. S. & Co., 149 Church, New York
Besley Chas. H. & Co. ("Universal" Bevel), 120 N Clinton, Chicago, Ill.
Crookston Tool Co., Crookston, Minn.
Brown & Sharpe Mfg. Co. (Draughtsmen's), Providence, R. I.
Goodell-Pratt Co. (Arc & Draughtsman), Greenfield, Mass.
Gurley W. & L. E., Troy, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE)** (Bevel Draughtsman, etc), Athol, Mass.
*See adv index at end of book*

## Pruners (Tree)

See Shears, Pruning

## 11704a— Prussian Blue

Chrome Color Wks, Matawan, N. J.
Waldo E. M. & F. (Selling Agents), 11 B'way, New York

## 11704b—Prussiate of Potash

Takamine Commercial Corp (Imp of Red & Yellow), 120 B'way, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 11704c— Prussiate of Soda

Bower Henry Chemical Mfg. Co. (Yellow & Red), 29th & Gray's Ferry av, Phila., Pa.
Fergusson Alex. C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
**Semet-Solway Co. (Yellow), Syracuse, N. Y.**
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 11705— Psychrometers

Foxboro Company The ("Foxboro"), Foxboro, Mass. *See adv index at end of book*
**Green Henry J., 1191 Bedford av, Brooklyn, N. Y.**
Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

## 11705a—*Public Accountants

**HOLMES E. J. & CO.,** 110 S Dearborn, Chicago, Ill. *See adv index at end of book*

## 11706— Publications (Trade)

Acetylene Journal Publishing Co., 122 S Michigan av, Chicago, Ill.
Advertising & Selling Magazine, 381 4th av, New York
American Architect (Professional), 243 W 39th, New York
American Artisan, 616 S Mich. av, Chicago, Ill.
American Blacksmith Co., 775 Main, Buffalo, N. Y.
American Carpenter & Builder, 1827 Prairie av, Chicago, Ill.
American Carpet & Upholstery Journal, 421 Chestnut, Phila., Pa.
American City, 154 Nassau, New York
American Contractor Publishing Co., 6 W Michigan, Chicago, Ill.
American Directory of the Knitting Trade (Bragdon, Lord & Nagle Co., Pub.), 334 4th av, New York
*See adv index at end of book*
American (The) Drop Forger, 108 Smithfield, Pittsburgh, Pa.
American Exporter, 17 Battery pl, New York *See adv index at end of book*
**American Fertilizer, 1010 Arch, Phila., Pa.**
Am. Funeral Director, Grand Rapids, Mich.
American Gas Engineering Journal, 150 Nassau, New York
American Grocer, 90 W B'way, New York
**AMERICAN HARDWARE JOBBERS DIRECTORY** (Edward G. Baltz, pub.), 107 6th, Pittsburgh, Pa.
*See adv index at end of book*
Am. Hardware Journal 13 Park Row, New York
American Hatter, 1182 B'way, New York
American Lumberman, 431 S Dearborn, Chicago, Ill.
American Machinist, 10th av & 36th, New York
American Motorist, 501 5th av, New York
American Paint Journal, Pontiac bldg., St. Louis, Mo.
American Paint & Oil Dealer, Pontiac bldg, St. Louis, Mo.
American Printer, 231 W 39th, New York
American Silk Journal, 373 4th av, New York
American Sports Publishing Co., 45 Rose, New York
American Stationer, 431 S Dearborn, Chicago, Ill.
American Stone Trade, 537 S Dearborn, Chicago, Ill.
American Thresherman, Madison, Wis.
American Wool & Cotton Reporter, 530 Atlantic av, Boston, Mass.
Architect (The), 245 Mission, San Francisco, Cal.
Architecture, 597 5th av, New York
Architects Buyers' Reference (Quarterly), 90 West, New York
Architecture & Building, 23 Warren, New York
Architectural Record, 119 W 40th, New York
Automobile Blue Book Publishing Co. The, 239 W 39th, New York
Automobile Dealer & Repairer, 71 Murray, New York
Automobile Journal Publishing Co., Pawtucket, R. I.
Automobile Topics, 1790 B'way, New York
Automobile Trade Journal, Market & 49th, Phila., Pa.
Automotive Industries (Industrial), 239 W 39th, New York
Automotive Manufacturers, 55 Duane, New York
**Bakers' Helper Co., 327 S La Salle, Chicago, Ill.**
Bakers' Review, 233 Broadway, New York
Bakers' Weekly, 41 Park Row, New York
Barbers' Journal, 25 W 42d, New York
Barrel & Box, 537 S Dearborn, Chicago, Ill.
Belting & Transmission, Monadnock bldg., Chicago, Ill.
Black Diamond Co., 431 S Dearborn, Chicago, Ill.
Blacksmith & Wheelwright, 71 Murray, New York
Blast (The) Furnace & Steel Plant, 108 Smithfield, Pittsburgh, Pa.
Boiler Maker, 6 E 39th, New York
Boot & Shoe Recorder, 207 South, Boston, Mass.
Brass World Publishing Co., 55 Duane, New York
Brewer & Malster, 69 W Washington, Chicago, Ill.
Brewers' Journal, 1 Hudson, New York
Brick & Clay Record, 610 Federal, Chicago, Ill.
Brooms, Brushes & Handles, Milwaukee, Wis.
Builder & Contractor, Los Angeles, Cal.
Building Age, 239 W 39th, New York
Building News Pub. Co., Perry bldg, Phila., Pa.
Building Supply News, 610 Federal, Chicago, Ill.
Bunting Publications (Inc.), 9 S Clinton, Chicago, Ill.
Butchers' Advocate Co., 1328 B'way, New York
Canning Trade, State Bk. of Md. bldg, Baltimore, Md.
Cement & Engng. News, 610 S Dearborn, Chicago, Ill.
Cement, Gypsum & Lime Mfrs. Directory, Monadnock blk., Chicago, Ill.
Cement, Mill & Quarry, Monadnock blk., Chicago, Ill.
Central Station, 63 Park Row, New York

Chem. & Metallurgical Engng., 10th av. at 36th, New York
Chilton Tractor Journal, Market & 49th, Phila., Pa.

**CLAY-WORKER THE** (T. A. Randall & Co., publishers), 211 Hudson, Indianapolis, Ind. *See adv index at end of book*
Clothier & Furnisher, 13 Astor pl, New York
**Coal Age, 10th av & 36th, New York**
Coal Trade Bulletin, Park bldg, Pittsburgh, Pa.
Coal Trade Journal, 20 Vesey, New York
Coal & Coke Operator, 108 Smithfield, Pittsburgh, Pa.
Commercial Car Journal, Market & 49th, Phila., Pa.
Commercial Journal, 628 Chestnut, Philadelphia, Pa.
Commercial Vehicle, 239 W 39th, New York
Concrete-Cement Age Publishing Co., New Telegraph bldg, Detroit, Mich.
Concrete Products, Monadnock blk, Chicago, Ill.
Confectioner's Gazette, 366 B'way, New York
Contractor (The), 37 W Van Buren, Chicago, Ill.
Cordage Trade Journal, 81 Fulton, New York
Cotton Manual Publishing Co., Atlanta, Ga.
Creditors' Mercantile Guide, 37 Liberty, New York
Daily Iron Trade & Metal Market Report, Penton bldg, Cleveland, O.
Directory Cement, Gypsum & Lime Mfrs., Monadnock blk, Chicago, Ill.
Directory of Textile Brands & Trade Marks (Bragdon, Lord & Nagel Co., Pub.), 334 4th av, New York
*See adv index at end of book*
Dockham Publishing Co., 6 Beacon, Boston, Mass.
Dodge F. W. Co., 119 W 40th, New York
Domestic Engineering, 37 W Van Buren, **Chicago, Ill.**
Druggists' Circular, 100 William, New York
Dry Goods Economist, 239 W 39th, New York
Dry Goods Publishing Co., 392 5th av, New York
Dry Goods Reporter, 215 So. Market, Chicago, Ill.
Dry Goodsman, St. Louis, Mo.
Dun's International Review, 290 Broadway, New York
El Comercio (J. Shepherd Clark Co.), 114 Liberty, New York
Electrical Age, 233 B'way, New York
Electrical Blue Book, Monadnock blk, Chicago, Ill.
Electrical Engineering, Woolworth bldg, New York
Electrical Merchandising, 10th av & 36th, New York
Electric Railway Journal, 10th av & 36th, New York
Electrical Record, 116 Liberty, New York
Electrical Review, Monadnock blk, Chicago, Ill.
Electrical World, 10th av & 36th, New York
**ENGINEERING NEWS-RECORD,** 10th av at 36th, New York
*See adv index at end of book*
Engineering World, Monadnock blk, Chicago, Ill.

**ENGINEERING & CONTRACTING,** 605 S Dearborn, Chicago, Ill.
*See adv index at end of book*
Engineering & Mining Journal, 10th av & 36th, New York
Export American Industries, 30 Church, New York
Exportador Americano, 17 Battery pl, New York
Exporters' Review, 80 Broad, New York
Exporters & Importers' Journal, 17 State, New York
Factory Magazine of Management, 5 N Wabash av, Chicago, Ill.
Farm Implement News Co., 159 N State, Chicago, Ill.
Farm Implements Publishing Co., 1018 Lumber Exchange, Minneapolis, Minn.
Farm Machinery-Farm Power, 806 Pine, St. Louis, Mo.
Farm Progress. 7th & Olive, St. Louis, Mo.
Feedingstuffs, Woolworth bldg, New York
Fibre & Fabric, 127 Federal, Boston, Mass.
Fire & Water Engng., 154 Nassau, New York
Five & Ten Cent Store Magazine & Variety Review, Gerke bldg, Cincinnati, O.
Florists' Exchange, 448 W 37th, New York
Foundry (The), E 12th & Chester av, Cleveland, O.
Fur Trade Review, 1181 Broadway, New York
Furniture Journal, 610 S Dearborn, Chicago, Ill.
Furniture Mfg. & Artisan, Grand Rapids, Mich.
Furniture World, 15 W 38th, New York
Gas Age, 52 Vanderbilt av, New York
Gas Record, 20 W Jackson blvd, Chicago, Ill.
Geyer's Stationer, 318 B'way, New York
Good Roads, 11 Waverly pl, New York
Hardware Age, 239 W 39th, New York
**HARDWARE DEALERS' MAGAZINE,** Grand Central Palace, New York
*See adv index at end of book*
**HARDWARE NEWS,** 1315 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Hardware Review, Woolworth bldg, New York
Hardwood Record, 537 S Dearborn, Chicago, Ill.
Hay Trade Journal Publishing Co., Canajoharie, N. Y.
Heating & Ventilating Magazine, 1123 B'way, New York
Hide & Leather, 136 W Lake, Chicago, Ill.
Highway Engineer & Contractor, Monadnock blk, Chicago, Ill.
Horseless Age, 95 Madison av, New York
Horseshoers' Journal, 142 Lafayette, Detroit, Mich.
House Furnishing Review, 253 B'way, New York
Ice Cream Trade Journal, 150 Nassau, New York
Ice & Refrigeration, 5707 W Lake, Chicago, Ill.
Illustrated World, 58th & Drexel, Chicago, Ill.
Implement Trade Journal Co., Graphic Arts bldg, Kansas City, Mo.
Improvement Bulletin, 610 Exchange, Minneapolis, Minn.
India Rubber World, 25 W 45th, New York
Industrial Management (The Engineering Magazine), 116 W 32d, New York
Inland Printer, 632 Sherman, Chicago, Ill.
International Confectioner, 109 Lafayette, New York
International Marine Engineering, 6 E 39th, New York
International Trade Developer, 168 N Michigan av, Chicago, Ill.
Iron Age, 239 W 39th, New York
Iron Trade Review, E 12th & Chestnut, Cleveland, O.
Isolated Plant Publishing Co., 366 5th av, New York
Jewelers' Circular, 11 John, New York
Keramic Studio Pub. Co., Syracuse, N. Y.
Lubrication World, Monadnock blk, Chicago, Ill.
Lumber Manufacturers' Edition & Dealers' Edition Arcade bldg, St. Louis, Mo.
Lumber Trade Journal, New Orleans, La.
Lumber World Review, 608 S Dearborn, Chicago, Ill.
Machinery, 140 Lafayette, New York
**MANUFACTURERS' RECORD,** Water & Commerce, Baltimore, Md.
*See adv index at end of book*
Manufacturing Jeweler, 42 Weybosset, Providence, R. I.
Marine Journal Co., 17 State, New York
Marine Review, Penton bldg, Cleveland, O.
Master Sheet Metal Workers' Journal, 261 S 4th, Philadelphia, Pa.
Men's Wear Co., 83 13th, New York
Metal Industry 99 John, New York
Metal Recorder & Electrophola, 347 5th av, New York
Metal Worker, 239 W 39th, New York
Mill Supplies, 537 S Dearborn, Chicago, Ill.
Mining World, Monadnock blk, Chicago, Ill.
Modern Miller, Insurance Exchange, Chicago, Ill.
Monumental News, 538 S Clark, Chicago, Ill.
Motor Age, 5 S Wabash, Chicago, Ill.
Motor Boat, 239 W 39th, New York
Motor Record (Monthly), 90 West, New York
Motor World, 239 W 39th, New York
Moving Picture World, 516 5th av, New York
Municipal Engineering, 608 S Dearborn, Chicago, Ill.
Municipal Journal & Engineer, 239 W 39th, New York
Munn & Co. (Scientific American), 699 Woolworth bldg, New York
National Builder, 542 S Dearborn, Chicago, Ill.
National Cleaner & Dyer, 124 N Ann, Chicago, Ill.
National Druggist, Century bldg, St. Louis,
National Engineer, 417 S Dearborn, Chicago, Ill.
National Harness Review, 1054 Buena av, Chicago, Ill.
National Iron & Steel Publishing Co., 108 Smithfield, Pittsburgh, Pa.
National Laundry Journal, 124 N Ann, Chicago, Ill.
Natl. Petroleum News, Canton bldg, Cleveland, O.
National Provisioner, 116 Nassau, New York
Office Appliances Magazine, 417 S Dearborn, Chicago, Ill.
Official American Textile Directory (Bragdon, Lord & Nagel Co., pub.), 334 4th av, New York
*See adv index at end of book*
Oil News, 14 E. Jackson blvd, Chicago, Ill.
Oil, Paint & Drug Reporter, 100 William, New York
Oil Trade Journal, Equitable bldg, New York
Operative Miller, 721 S Wood, Chicago, Ill.
Optical Journal & Review, 11 John, New York
**PACIFIC BUILDER & ENGINEER,** Seattle, Wash. *See adv index at end of book*
Pacific Coast Merchant, 423 Sacto, San Francisco, Cal.
Packages Pub. Co., Montgomery bldg, Milwaukee, Wis.
Painters Magazine, 100 William, New York
Paper Inc., 131 E 23d, New York
Paper Mill, 154 Nassau, New York
Paper Trade Journal, 10 E 39th, New York
Petroleum Age, 20 W Jackson blvd, Chicago, Ill.
Pharmaceutical Era, 3 Park pl, New York
Pit & Quarry, 538 S Clark, Chicago, Ill.
Playthings, 118 E 28th, New York
Plumber Trade Journal, 64 W Randolph, Chicago, Ill.
Plumbers' Trade Journal, 43 W 34th, New York
Popular Mechanics Magazine, 6 N Michigan av, Chicago, Ill.
Power, 10th av & 36th, New York
Power Boating E 12th & Chester, Cleveland, O.
Power Farming, St. Joseph, Mich.
Power Farming Dealer, St. Joseph, Mich.
Power Plant Engineering, 537 S Dearborn, Chicago, Ill.
Printing, 38 Park row, New York
Purchasing Agent Co., 317 Main, Springfield, Mass.
Railway Age Gazette, Woolworth bldg, New York
Railway Electrical Engineer, Woolworth bldg., New York
Railway Maintenance Engineer, Woolworth bldg., New York
Railway & Marine News, Seattle, Wash.
Railway Mechanical Engineer, Woolworth bldg, New York
Railway Review (Railway & Engineering), 537 S Dearborn, Chicago, Ill.
Railway Signal Engineer, Woolworth bldg, New York
Railway World, 612 Chestnut, Phila., Pa.
Record & Guide, 119 W 40th, New York
Refrigerating World, Woolworth bldg, New York
Retail Coalman, Monadnock blk, Chicago, Ill.
Roadmaker, 53 W Jackson blvd, Chicago, Ill.
Rock Product, 542 S Dearborn, Chicago, Ill.
Rudder Publishing Co., 9 Murray, New York
Safety Engineering, 80 Maiden Lane, New York
St. Louis Lumberman, Arcade bldg, St. Louis, Mo.
Sampson & Murdock Co., 246 Summer, Boston, Mass.
Scientific American, Woolworth bldg, New York
Sewing Machine Times, 47 E 19th, New York
Sheet Metal, 156 5th av, New York
Shoe & Leather Reporter, 166 Essex, Boston, Mass.

**SOUTHERN ARCHITECT & BUILDING NEWS**, Atlanta, Ga.
*See adv index at end of book*
Southern Lumberman, Nashville, Tenn.
**Spokesman Publishing Co., 128 Opera pl, Cincinnati, O.**
**Sporting Goods Sales Journal, 38 Park Row, New York**
**Sporting News Publishing Co., Penn bldg, St. Louis, Mo.**
Starchroom Publishing Co., 415 Pioneer, Cincinnati, O.
**Steam, 90 West, New York**
Sugar Magazine, Elm & Duane, New York
Sweet's Catalogue, 119 W 40th, New York
System Magazine, 2 N Wabash av, Chicago, Ill.
**Talking Machine World, 373 4th av, New York**
**Tea & Coffee Trade Journal, 79 Wall, New York**
Telegraph & Telephone Age, 253 B'way, New York
Telephony Publishing Co., 115 S Michigan av, Chicago, Ill.
Textile Advance News (Bragdon, Lord & Nagel Co., pub.), 334 4th av, New York *See adv index at end of book*
Textile World Journal (Bragdon, Lord & Nagle Co., Pub.), 334 4th av, New York *See adv index at end of book*
**Textile World Journal, 144 Congress, Boston, Mass.**
**Tobacco Leaf Publishing Co., 198 B'way, New York**
Tobacco World, 236 Chestnut, Phila., Pa.
Trade Mark Record, 31 Nassau, New York
Upholsterer, 373 4th av, New York
Vehicle Monthly, 1010 Arch, Phila., Pa.
**Waste Trade Journal, 150 Lafayette, New York**
**Western Architect, 215 S Market, Chicago, Ill.**
Western Contractor, 521 Locust, Kansas City, Mo.

## 11707—Pullers (Automobile Wheel)

**Benford Mfg. Co., Mt. Vernon, N. Y.**
Braunsdorf-Mueller Co., Elizabeth, N. J.
Cooper Mfg. Co., Marshalltown, Ia.
Crane Puller Co. ("Crane"), Arlington, Mass.
**Empire Wheel Works, Utica, N. Y.**
**Lashbaugh & Jordan Tool & Machine Co., Elkhart, Ind.**
**Motor Specialties Co. ("Mosco"), Waltham, Mass.**
Polson Mfg. Co., Buffalo, N. Y.
Premier Electric Co. ("Little Giant"), 1123 S Wabash, Chicago, Ill.
**Presbrey E. H. Co., 50 Broad, New York**
Standard Auto Accessory Co. ("Standard"), Leipsic, O.
Weeber C. F. Mfg. Works ("Weeber," for Removing Rear Wheels of Automobiles), Albany, N. Y.

## 11708— Pullers (Beet)

Brillion Iron Works, Brillion, Wis.
Bucher & Gibbs Plow Co., Canton, O.
Deere & Co. ("Jno. Deere"), Moline, Ill.
Donaldson Bros. ("Donaldson," "Valley"), Mt. Clemens, Mich.
Fanger Beet Harvester Co., 421 Michigan, Toledo, O.
Gale Mfg. Co. ("Gale"), Albion, Mich.
Lehr Agricultural Co. ("Lehr"), Fremont, Ohio
Moline Plow Co. ("Moline"), Moline, Ill.
Ohio Cultivator Co. ("Famous Ohio"), Bellevue, O.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Rowell I. B. Co., Waukesha, Wis.

## 11709— Pullers (Bell Cord)

St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 11710— Pullers (Car)

See also Car Movers & Pushers)
Barnard & Leas Mfg. Co. ("Moline"), Moline, Ill.
Caldwell H. W. & Son Co. ("Caldwell" Standard & Self-Contained Safety), 17th & Western av, Chicago, Ill.
Dodge Sales & Engineering Co. ("Safety"), Mishawaka, Ind.
Fitzpatrick Products Corp., 99 John, New York
Great Western Mfg. Co., Leavenworth, Kans.
Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**LINK-BELT COMPANY** ("Safety"), 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Nordyke & Marmon Co., (Power), Kentucky av & Morris, Indianapolis,, Ind.
Sasgen Derrick Co. (Also "Pull-Me-Out" Truck), 3101 W Grand av, Chicago, Ill.
*See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S.-A," Safety), Aurora, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

## 11710a— Pullers (Core Rod)

Hill Clutch Co., W 65th, Cleveland, O.

## 11711-2— Pullers (Cork)

See also Cork Screws
**Arcade Mfg. Co. ("Champion," "Triumph," "Standard," "Favorite," "Daisy" & "Phoenix"), Freeport, Ill.**
**Cassady Fairbank Mfg. Co. ("Trinity"), 6126 S La Salle, Chicago, Ill.**
Hawley Mfg. Co. ("Quick-as-a-Wink"), Stepney Conn.
Walker C. L. & Co. ("Walker's" Bar, "Quick & Easy," "Samson"), 656 W 12th, Erie, Pa.
Warner Hammer Co. ("Quick-as-a-Wink"), Cromwell, Conn.

## Pullers (Cotter Pin)

See Extractors, Cotter Pin

## 11713-4—Pullers (Fence Staple Bar)

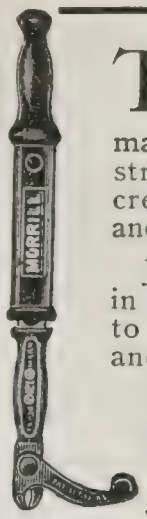
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

## Pullers (Gear)

See Pullers, Wheel

## 11715— Pullers (Nail)

See also Pullers, Tack; also Pullers, Staple
Belden Machine Co. ("Diamond-B," "Never Slip"), New Haven, Conn.
Bradley & Farnham ("E. Z."), Middlefield, Conn.
Bridgeport Hardware Mfg. Corp. ("Tiger," "Sure Grip," "Jumbo," "Rex," "Red Bull," Nail Puller, Box Opener & Hammer), Bridgeport, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chantrell Hardware & Tool Co., Reading, Pa.
Dudley Tool Co., Menominee, Mich.
Forged Products Co. ("Gibraltar" Pry Bar, Drop Forged), Conway bldg, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lowentraut P. Mfg. Co. ("Montgomery"), 36 Brenner, Newark, N. J.
Mellor Box Opener Co. ("Mellor" Box Opener, Nail Puller & Hammer Combined), Sedalia, Mo.
Millers Falls Co. ("Pelican," "Miller's Falls"), Miller's Falls, Mass.
**MORRILL CHAS.** ("Morrill" & "Apex" Brands), 100 Lafayette, New York
*See adv index at end of book*
Page Storms Drop Forge Co. ("Gem") Chicopee, Mass.
Pelouze Mfg. Co. ("Champion"), 232 E Ohio, Chicago, Ill.
Richard Stephen Co. (For Cobblers), Southbridge, Mass.
**SMITH & HEMENWAY CO., INC.** ("Giant," "Diamond B" & "Red Devil"), 261H B'way, New York, & 130H Coit, Irvington, N. J.
*See adv index at end of book*


THE Longest lived, easiest and fastest Nail Puller on the market, because of its straight arm pull, increased rolling fulcrum, and scientific construction.

Jaws mounted together in a box joint, no springs to break, and has handle and hand guard.

CHAS. MORRILL
100 Lafayette Street
New York


Snow & Petrelli Mfg. Co. "Crown," New Haven, Conn..
Union Hardware Co., Torrington, Conn.

Warner Hammer Co. ("Common-Sense"), Cromwell, Conn.

## 11716— Pullers (Onion)

Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.

## 11717— Pullers (Piling)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Fitzpatrick Products Corp., 99 John, New York

## 11718— Pullers (Pinion)

(For Pulling Pinions from Armatures)
Columbia Machine Works & Malleable Iron Co. ("Columbia"), Atlantic av & Chestnut, Brooklyn, N. Y.

## 11719— Pullers (Plank)

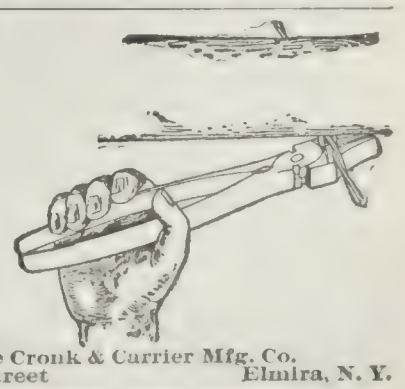
Anderson W. H. Tool & Supply Co., 184 Bush, Detroit, Mich.

## 11720— Pullers (Spike)

See also Bars, Pinch
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.**
**Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.**
Justice Philip S. & Co. ("Justice" Railroad), 421 Chestnut, Phila., Pa.
**MORRILL CHAS.** ("Pearson Cyclone," "Apex" & "Morrill"), 100 Lafayette, New York *See adv index at end of book*

## 11721— Pullers (Staple)

Bicknell Mfg. & Supply Co., Janesville, Wis.
Cheney Henry Hammer Co., Little Falls, N. Y.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y. *See adv index at end of book*

**No. 20 Staple Puller**

The Cronk & Carrier Mfg. Co.
150 Lake Street Elmira, N. Y.


Forged Products Co. ("Gibraltar"), Conway bldg., Chicago, Ill.

PULLERS (STAPLE)—continued

Osmundson Spade Mfg. Co. ("Buffalo"), Perry, Ia.
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
**SMITH & HEMENWAY CO., INC.** ("Red Devil"), 261H B'way, New York, & 130H Coit, Irvington, N. J.
*See adv index at end of book*
Utica Drop Forge & Tool Co., Utica, N. Y.
Warren Specialty Mfg. Co., West Farmington, Ohio

## 11722— Pullers (Stump)

Aumond Stump Machine Co. (Steel), Cedar Springs, Mich.
Bennet H. L. & Co. ("Bennet" Cable, "Bennet" Screw, "Bennet" Hand Power), Westerville, O.
Butterworth & Lowe, Grand Rapids, Mich.
Caward R. S. ("Faultless"), Cresco, Ia.
**CLYDE IRON WORKS SALES CO.** ("Clyde"), Duluth, Minn.
*See adv index at end of book*
Edwards C. D. ("Climax," "Jumbo," "Chief"), Albert Lea, Minn.
Fitzpatrick Products Corp., 99 John, New York
Hercules Mfg. Co. ("Hercules"), Centerville, Ia.
Kansas City Hay Press Co. ("Lightning"), Kansas City, Mo.
Kirstin A. J. Co. ("One Man"), Escanaba, Mich.
La Plant-Choate Mfg. Co., Cedar Rapids, Ia.
Milne Mfg Co. ("Hawkeye," "I. & L.," "Iron Giant," "Milne"), Monmouth, Ill.
National Iron Co., Duluth, Minn.
Sasgen Derrick Co., 3101 W Grand av, Chicago, Ill.
Scott Hay Press Co. ("O-K"), 13 W 12th, Kansas City, Mo.
Smith Mfg. Co., La Crosse, Wis.
Sparta Iron Works Co., Sparta, Wis.
Swenson Grubber Co. ("Swenson" Malleable Iron), Cresco, Ia.
Zimmerman Steel Co. ("Zimmerman Monarch" Steel), Bettendorf, Ia.

## Pullers (Tack)

See Claws or Pullers, Tack

## 11723— Pullers (Wheel)

See also Pullers, Automobile Wheel
Crane Puller Co. ("Crane" & Gear), Arlington, Mass.

## 11724— Pullers (Wire)

Browne & Dowd Mfg. Co. ("Yankee"), Meriden, Conn.
Dicke Tool Co. ("The Imperial"), Downers Grove, Ill.
Laurent Cherry Pulley Block Co., Trenton, N. J.

## 11725— Pulley Covering

Baertl Anti-Slip Cement Co. ("Baertl"), 97 Water, New York
Belt Grip Pulley Co. ("Belt Grip"), 182 Breckenridge, Buffalo, N. Y.
Boston Woven Hose & Rubber Co. ("Milo" Stitched Canvas), Cambridge, Mass.
Chemical & Engineering Co. ("Red Dragon" Power Saving), Watertown, N. Y.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Eclipse Pulley Covering Co. (Canvas), 2028 W Lake, Chicago, Ill.
Fansher Bros. ("Anti-Slip" Pulley Dressing), Dayton, O.
Kantslip Co. ("Kantslip"), Freeport, Mich.
Kinkead Mfg. Co. ("Power Saver"), 45 High, Boston, Mass.
National Mfg. & Engineering Co. ("Perfection," 1537 Race, Phila., Pa.
Onward Mfg. Co. ("O. C. Little"), Menasha, Wis.
Power Glue Mfg. Co., 417 S Western av, Chicago, Ill.
Pulley Facing Co. ("Perfection"), Penna. bldg., Phila., Pa.
Shackley W. T. & Son (Canvas), 49 High, Boston, Mass.
Shultz Belting Co. ("Shultz Patent"), Fourth & Barton, South St. Louis, Mo.
Turner J. S. Mfg. Co., Lowell, Mass.
U. S. Pulley Covering Co. ("Solvonon"), 212 Washington, New York
Warren Co. ("Warren's"), Niles, Mich.

## 11726—Pulleys (Anti-Friction, Dumb Waiter)

Stowell Co., The, South Milwaukee, Wis.

## 11727— Pulleys (Arc Lamp)

Abbott Samuel (Awning), Cleveland, O.
Coleman Hardware Co., 122 S Michigan av, Chicago, Ill.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Cutter Geo. Co. ("Cutter's" Supporting), South Bend, Ind.
Electrical Construction Supply Co., Springfield, O.
Fletcher Mfg. Co. (Automatic Suspension, Sleet Proof), Dayton, O.
Fort Wayne Electric Works of General Electric Co., Fort Wayne, Ind.
Lime Material Co., South Milkaukee, Wis.
Marine Hardware-Equipment Co., South Portland, Me.
Morris Elmer P. Iron Works (Inc.) (Steel), 136 Liberty, New York
Ney Mfg. Co., Canton, O.
Reading Hardware Co., Reading, Pa.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Wilcox, Crittenden & Co., Middletown, Conn. *See adv index at end of book*
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

## 11728— Pulleys (Bell Cord)

Brady Electric Mfg. Co. (Sleet Proof), New Britain, Conn.
Brill J. G. Co. (Also Register Cord), 62nd & Woodland av, Phila., Pa.
Creamer W. G. & Co., 96 John, New York
Dayton Mfg. Co., Dayton, Ohio

## 11729— Pulleys (Cast Iron)

See also Machinery, Power Transmitting
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Tool & Machine Co., (Up to 120 in. diameter), 10 High, Boston, Mass.
Bailey Burruss Mfg. Co., Atlanta, Ga.
Birkle Machine Works, 128 S Clinton, Chicago, Ill. *See adv index at end of book*
Bond Foundry & Machine Co., Manheim, Lancaster County, Pa.
*See adv index at end of book*
Brightman Machine Co., Quincy & C & P Ry, Cleveland, O.
Brown A. & F. Co., 79 Barclay, New York.
Brown Clutch Co., Sandusky, O.
Buckeye Iron & Brass Works, Dayton, O.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester, Buffalo, N. Y.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
Carey W. W. Co., Lowell, Mass.
Chain Belt Co., Milwaukee, Wis.
Christiana Machine Co., Christiana, Pa.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
**DODGE SALES & ENGINEERING CO.** (Standard Split), Mishawaka, Ind.
Dunning W. D., Syracuse, N. Y.
Eastwood Benj. Co., Paterson, N. J.
Fales & Jenks Machine Co., Pawtucket, R. I.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Fay J. A. & Egan Co., Cincinnati, O.
Filer & Stowell Co., Milwaukee, Wis.
Fitchburg Foundry Co., Fitchburg, Mass.
Fulton Machine Co., Canal Fulton, O.
Galena Iron Works Corp., Galena, Ill.
Gillie Machine Co., Tonawanda, N. Y.
Goldens' Foundry & Machine Co., Columbus, Ga.
Grant Pulley & Hardware Co., 101 Park av, New York
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Hardie-Tynes Mfg. Co. (Heavy), Birmingham, Ala.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Hess-Snyder Co., Massillon, O.
Hill Clutch Co., W 65th, Cleveland, O.
Holyoke Machine Co., Holyoke, Mass.
Howard Iron Works, Buffalo, N. Y.
Humphrey Machine Co., Keene, N. H.
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., North Adams, Mass.
Janney & Company (Heavy), Montgomery, Ala. *See adv index at end of book*
Jones W. A. Foundry & Machine Co. (Machine Molded), 4401 W 12th, Chicago, Ill.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
Klotz Machine Co., Sandusky, O.
Lane Mfg. Co., Montpelier, Vt.
Lane & Bodley Co., Tenn av & Paddock rd, Cincinati, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Marseilles Works of Deere & Co., East Moline, Ill.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
**MEESE & GOTTFRIED CO.** (Steel & Wood), 660 Mission, San Francisco, Cal.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Minster Machine Co., Minster, O.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nordeen Foundry Co., Everett, Wash.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Pyott Co., 1401 W North av, Chicago, Ill.
Pyott Foundry Co., 328 N Sangamon, Chicago, Ill.
Santa Fe Foundry Co., Richmond, Cal.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Smith H. B. Machine Co., Smithville, N. J.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Sprout, Waldron & Co., Muncy, Pa.
Standard Pulley Co., 1734 Power, Cincinnati, O.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Strait H. N. Mfg. Co., Kansas City, Kans.
Toledo Foundry & Machine Co., Toledo, O.
Union Iron Works, Decatur, Ill.
Union Machine Co., Worcester, Mass.
United Iron Works Inc., Kansas City, Mo.
Valley Iron Works, Williamsport, Pa.
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Withers Foundry & Machine Works, Atlanta, Ga.
Western Iron & Foundry Co., Wichita, Kans.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

## 11730— Pulleys (Ceiling)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Stover Mfg. & Engine Co., Freeport, Ill.
Stowell Co., The, South Milwaukee, Wis.

## 11731—Pulleys (Clothes Line, Cast Iron)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Browne & Dowd Mfg. Co., Meriden, Conn.
Clough John H., Corry, Pa.
Gray Iron Foundry Co. (Galvanized), Reading, Pa.
Peck, Stow & Wilcox ("Knot Passing"), Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Reading Saddle & Mfg. Co. ("Sure Grip"), Reading, Pa.
S. R. Mfg. Co., Schenectady, N. Y.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co. ("Brighton"), Wrightsville, Pa.

## 11732—Pulleys (Clothes Line, Steel)

New York Stamping Co. ("Acme" Stamped Steel, Porcelain Wheel), N 11th & Berry, Brooklyn, N. Y.

## 11733—Pulleys (Clothes Line, Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th, New York *See adv index at end of book*
Richardi & Bechtold, Bellaire ,Mich.
Selb Bros. Co. (Iron), 100 Boyd av, Jersey City, N. J.

## 11734— Pulleys (Cone)

Bailey Burruss Mfg. Co., Atlanta, Ga.
Brown A. & F. Co., 79 Barclay, New York.
Caldwell W. E. Co., Louisville, Ky.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Cressen-Morris Co., Allegheny & 18th, Phila., Pa.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Erie Clutch & Pulley Co., Erie, Pa.
Evans Friction Cone Co. (Countershaft, Variable Speed), Newton Center, Mass.
Hartford Machine Screw Co., Hartford, Conn.
Hill Clutch Co., W 65, Cleveland, O.
Holyoke Machine Co Worcester, Mass.
Howard Iron Works, Buffalo, N. Y.
Lane Mfg. Co., Montpelier Vt.
Saginaw Mfg. Co., Saginaw, Mich.
S. C. Regulator Mfg. Co. (Wood), Fostoria, Ohio
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. (Step Taper, etc), Chambersburg, Pa.
Woonsocket Machine & Press Co., Woonsocket, R. I.

## 11735-6—Pulleys (Cork Insert)

American Pulley Co., 114 S Clinton, Chicago, Ill.
Cork Insert Co., 164 Federal, Boston, Mass.
Wood's T. B. Sons Co., Chambersburg, Pa.

## Pulleys (Electric Lamp)

**See Pulleys, Arc Lamp**

## 11737— Pulleys (Flanged)

American Pulley Co., 114 S Clinton, Chicago, Ill.
Bailey Burruss Mfg. Co., Atlanta, Ga.
Bond Foundry & Machine Co., Manheim, Lancaster, Pa. *See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York
Caldwell W. E. Co., Louisville, Ky. *See adv index at end of book*
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa
Dodge Sales & Engineering Co., Mishawaka, Ind.
Eastwood Benj. Co., Paterson, N. J.
Erie Clutch & Machine Co., Cuyahoga Falls, Ohio
Erie Clutch & Pulley Co., Erie, Pa.
Golden's Foundry & Machine Co., Columbus, Ga.
Hanson Clutch & Machinery Co., Tiffin, O. *See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Holyoke Machine Co, Holyoke, Mass.
Howard Iron Works, Buffalo, N. Y.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Saginaw Mfg. Co., Saginaw, Mich.
Union Iron Works, Decatur, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

## 11738—Pulleys (Friction Clutch)

See also Clutches, Friction

Allis-Chalmers Mfg. Co. ("A. C."), Milwaukee, Wis.
Bailey Burruss Mfg. Co., Atlanta, Ga.
Bauroth Bros., Springfield, O.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa. *See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York
Brown & Sharpe Mfg. Co. (Self-Oiling), Providence, R. I.
Caldwell H. W. & Son Co. ("Caldwell" Double Disc, Expansion, etc), 17th & Western av, Chicago, Ill.
Caldwell W. E. Co., Louisville, Ky.
Carrouthers & Fithian Clutch Co., Grove City, Pa.
Cedar Rapids Foundry & Machine Co., Cedar Rapids, Ia.
Chain Belt Co., Milwaukee, Wis.
Chamberlain Machine Works (For Cream, Separators), Waterloo, Ia.
Chicago Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.
Continental Fibre Co. (Fibre), Newark Del. *See adv index at end of book*
Conway Clutch Co., 2507 Beekman, Cincinnati, Ohio
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Detroit Standard Gear Co. ("Standard"), Detroit, Mich.
Diamond Iron Works, 2d & 18th av, N, Minneapolis, Minn.
**DODGE SALES & ENGINEERING CO.** (Solid & Split), Mishawaka, Ind.
Eastern Machinery Co., New Haven, Conn.
Edgemont Machine Co., Dayton, O.
Erie Clutch & Pulley Co. ("Standard"), Erie, Pa.
Fairbanks Co. (Jobbers), 416 Broome, New York
Fairbanks, Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Garland M. Co. (Clutch), Bay City, Mich.
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machy. Co., Tiffin, O. *See adv index at end of book*
Havana Mfg. Co. (Double Grip), Havana, Ill.
Hess, Snyder Co., Massillon, O.
**HILL CLUTCH CO.** (Solid & Split), W 65th, Cleveland, O.
Holyoke Machine Co., Worcester, Mass.
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., North Adams, Mass.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio *See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Lasure Friction Cluth Pulley Co., Madison, Wis.
**LINK-BELT CO.** ("Ewart & Disk"), 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
McMahon & Co., Worcester, Mass.
Mason Volney W. & Co., 2 Lafayette, Providence, R. I.
Medart Patent Pulley Co., 3500 DeKalb, St. Louis, Mo.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Minster Machine Co. ("Herken" for Gas Engines), Minster, O.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Moore-Master Mfg. Co., 3445 N Western av, Chicago, Ill.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
National Clutch Co., 1859 Fulton, Chicago, Ill.
O. K. Clutch & Machinery Co. ("O. K."), Columbia, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Pusey & Jones Co., Wilmington, Del.
Pyott Co., 1401 W North av, Chicago, Ill.
Sandy Hill Iron & Brass Works ("Hercules"), Hudson Falls, N. Y.
Sellers Wm. & Co., 1600 Hamilton, Phila., Pa.
Sinclair-Scott Co., Wells & Patapsco, Baltimore, Md.
Sly W. W. Mfg. Co., 4700 Train av, Cleveland, O.
Sprout, Waldron & Co., Muncy, Pa.
Standard Pulley Co. ("Standard-Baechle"), 1734 Power, Cincinnati, O.
Stephens-Adamson Mfg. Co. ("S-A" Steel Plate), Aurora, Ill.
Union Iron Works, Decatur, Ill.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Walker Mfg. Co. (Patent Balanced), Denver, Colo.
**WEBSTER MFG. CO.,** 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Weller Engineering Co., Elyria, O.
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wellman-Seaver-Morgan Co., Cleveland, O. *See adv index at end of book*
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.
Wilmarth & Morman Co., 1151 Monroe av, N W, Grand Rapids, Mich.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.
Yocom Jas. & Son, 145 N 2d, Phila., Pa.

## 11739— Pulleys (Galvanized)

Cclonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Laughlin Thomas Co., Portland, Me.

## 11740— Pulleys (Governor)

Brownwall Engine & Pulley Co. ("Parker"), Holland, Mich.
Iowa Steel & Iron Works, Cedar Rapids, Iowa
Wisconsin Farm Implement Co. ("Wisconsin"), Beloit, Wis.

## 11741— Pulleys (Grooved)

Boston Gear Works ("Boston") (Brass & Cast Iron), Quincy, Mass.
Caldwell W. E. Co., Louisville, Ky.
Eastwood Benj. Co., Paterson, N. J.
Erie Clutch & Pulley Co., Erie, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Hunter James Machine Co., N Adams, Mass.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Saginaw Mfg. Co., Saginaw, Mich.

## 11742— Pulleys (Guide)

Brown A. & F. Co., 79 Barclay, New York.
Cresson-Morris Co., Allegheny & 18th, Phila, Pa.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Hanson Clutch & Machinery Co., Tiffin, O. *See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Hunter Jas. Machine Co., North Adams, Mass.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Toledo Foundry & Machine Co., Toledo, O.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

## 11743— Pulleys (Hay Fork)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Cheney S. & Son (Scoville's), Manlius, N. Y.
Colebrookdale Iron Co., Pottstown, Pa.
Goshen Mfg. Co., Goshen, Ind.
Hunt, Helm, Ferris & Co. (Star," "O K.," "Peerless"), Harvard, Ill.
Louden Machinery Co. ("Louden"), Fairfield, Ia.
Mason F. C. & Co., St. Johns, Mich.
Milwaukee Hay Tool Co. ("Milwaukee"), Layton Park, Milwaukee, Wis.

PULLEYS (HAY FORK)—continued

**MYERS F. E. & BRO.** ("Myers O. K.," "Myers," "Reed," "Sure Grip" & "Faultless;" also "Myers Universal" Reversible & "Myers" Self-Locking Sling Pulleys), 900 4th, Ashland, O.
***See adv index at end of book***
**Ney** Mfg. Co., Canton, O.
**Ney** V. L. Hay Tool Co. (Wood & Metal), Canton, O.
**Penn** Hardware Co., Reading, Pa.
**Phillips** & Buttorff Mfg. Co., Nashville, Tenn.
**Porter** J. E. Co. ("Porter," "Self-Locking Sling," "Sling-Binding"), Ottawa, Ill.
**Reading** Hardware Co., Reading, Pa.
**Ricker** Mfg. Co., Rochester, N. Y.
**Stowell** Co., The, ("Stowell," Anti-Friction & Common), South Milwaukee, Wis.
**Strickler** Hay Tool Co. ("Strickler") Janesville, Wis.
**Susquehanna** Casting Co., **Wrightsville, Pa.**
**Swineford** G. A. Co., Canton, O.
**Syracuse** Chilled Plow Co., Syracuse, N. Y.
**Weller** Hardware & Foundry Co., Horseheads, N. Y.
**Wrightsville** Hardware Co., **Wrightsville, Pa.**

## 11744— Pulleys (Iron Split)

**Badger** Gas & Gasoline Engine Co., Kansas City, Kans.
**Bond** Foundry & Machine Co., **Manheim,** Lancaster Co., Pa.
*See adv index at end of book*
**Brown** A. & F. Co., 79 Barclay, New York
**Caldwell** W. E. Co., Louisville, Ky.
**Chain** Belt Co., Milwaukee, Wis.
**Cork** Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
**Dodge** Sales & Engineering Co. ("Standard"), Mishawaka, Ind.
**Eastwood** Benj. Co., Paterson, N. J.
**Fairbanks** Co. (Jobbers), 416 Broome, New York
**Fairbanks, Morse & Co., 900 S Wabash av,** Chicago, Ill.
**Golden's** Foundry & Machine Co., Columbus, Ga.
**Hanson** Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
**Henderson** W. K. Iron Works & Supply Co., Shreveport, La.
**Hill** Clutch Co., W 65th, Cleveland, O.
**Holyoke** Machine Co., Worcester, Mass.
**Howard** Iron Works, Buffalo, N. Y.
**Hunter** James Machine Co., N Adams, Mass.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
**Minneapolis** Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
**Mobile** Stove & Pulley Mfg. Co., Mobile, Ala.
**Nordyke** & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**Poole** Engineering & Machine Co., Woodberry Station, Baltimore, Md.
**Roanoke** Iron Works, Inc., Roanoke, Va.
**Salem** Foundry & Machine Works, Salem, Va.
**Union** Iron Works, Decatur, Ill.
**Valley** Iron Works, Williamsport, Pa.
**Webster** Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
**Wolf** Co., Chambersburg, Pa.
**Wood's** T. B. Sons Co., Chambersburg, Pa.

## 11745—Pulleys (Leather Rim)

**Belt** Grip Pulley Co., 182 Breckenridge, Buffalo, N. Y.

## 11746— Pulleys (Loose)

**American** Pulleys Co., 114 S Clinton, Chicago, Ill.
**Bailey** Burruss Mfg. Co., Atlanta, Ga.
**Bond** Foundry & Machine Co., **Manheim,** Pa.
**Brown** A. F. Co., 79 Barclay, New York.
**Caldwell** W. E. Co., Louisville, Ky.
**Chain** Belt Co., Milwaukee, Wis.
**Dodge** Sales & Engineering Co., Mishawaka, Ind.
**Eastwood** Benj. Co., Paterson, N. J.
**Erie** Clutch & Pulley Co., Erie, Pa.
**Fairbanks** Co. (Jobbers), 416 Broome, New York
**Golden's** Foundry & Machine Co., Columbus, Ga.
**Hanson** Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
**Hill** Clutch Co., W 65th, Cleveland, O.
**Holyoke** Machine Co., Worcester, Mass.
**Howard** Iron Works, Buffalo, N. Y.
**Hunter** James Machine Co., N Adams, Mass.
**Jones** W. A. Foundry & Machine Co. (Ring Oiling), 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
**McMaster-Carr** Supply Co. ("Maymont," Self-Oiling), 174 N Market, Chicago, Ill.
**Minneapolis** Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
**Nordyke** & Marmon Co. (Also Tight), Kentucky av & Morris, Indianapolis, Ind.
**Saginaw** Mfg. Co., Saginaw, Mich.
**S. C. Regulator** Mfg. Co. (Wood), Fostoria, Ohio
**Transmission** Ball Bearing Co., 1056 Military rd, Buffalo, N. Y.
**Union** Iron Works, Decatur, Ill.
**Valley** Iron Works, Williamsport, Pa.
**Walker** Mfg. Co., Denver, Colo.
**Webster** Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
**Wilmarth** & Morman Co. ("Nelson"), 1151 Monroe av N W, Grand Rapids, Mich.
**Wolf** Co., Chambersburg, Pa.
**Wood's** T. B. Sons Co. (Also Light), Chambersburg, Pa.

## 11747—Pulleys (Machine Moulded)

**Bond** Foundry & Machine Co., Manheim, Lancaster Co,, Pa.
*See adv index at end of book*
**Brown** A. & F. Co., 79 Barclay, New York.
**Caldwell** W. E. Co., Louisville, Ky.
**Chain** Belt Co., Milwaukee, Wis.
**Cork** Insert Co. (Cork Insert), 164 Federal, Boston, Mass.
**Covel** Mfg. Co., Benton Harbor, Mich.
**Delano** E. A. Co., 1401 W North, Chicago, Ill.
**DODGE SALES & ENGINEERING CO.,** (For any service), Mishawaka, Ind.
**Fairbanks** Co. (Jobbers), 416 Broome, New York
**Goldens'** Foundry & Machine Co., Columbus, Ga.
**Great Western** Mfg. Co., Leavenworth, Kans.
**Hanson** Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
**Hill** Clutch Co., W 65th, Cleveland, O.
**Holyoke** Machine Co., Worcester, Mass.
**Howard** Iron Works, Buffalo, N. Y.
**Jones** W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
**McLagon** Foundry Co., New Haven, Conn.
**Mobile** Stock & Pulley Mfg. Co., Mobile, Ala.
**Nordyke** & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**Stephens-Adamson** Mfg. Co., **Aurora, Ill.**
**Union** Iron Wks., Decatur, Ill.
**Walker** Mfg. Co., Denver, Colo.
**Webster** Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

## 11747a—Pulleys (Magnetic)

**Cork** Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
**Dings** Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*
**Magnetic** Mfg. Co. (Alternating & Direct Current), 864 Windlake av, Milwaukee, Wis. *See adv index at end of book*

## 11748— Pulleys (Paper)

**Rockwood** Mfg. Co. ("American"), 1801 English av, Indianapolis, Ind.

## 11748a— Pulleys (Plow)

**Fraser** & Jones Co., Syracuse, N. Y.
**Stowell** Co., The, So. Milwaukee, Wis.

## 11749—Pulleys (Pressed Steel)

**American** Pulley Co. (Split), 114 S Clinton, Chicago, Ill.
**Chicago** Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.
**Cork** Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
**Dodge** Steel Pulley Corp., Oneida, N. Y.
**Fairbanks** Co. (Jobbers), 416 Broome, New York
**Barry** Co., Muscatine, Ia.
**Philips** Pressed Steel Pulley Works, Chestnut Hill, Phila., Pa.
**Porter** Machine Co., Wooster, O.
**Worcester** Pressed Steel Co. (Flat, Crown Face & Split), Worcester, Mass.

## 11750— Pulleys (Sash)

**American** Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**American** Pulley Co. (Pressed Metal), 114 S Clinton, Chicago, Ill.
**Austin** & Eddy, 117 Broad, Boston, Mass.
**Chantrell** Hardware & Tool Co., Reading, Pa.
**Clarkson** Mfg. Co. (Ball Bearings), Lancaster & Dallas, Baltimore, Md.
**Coleman** Hardware Co., 122 S Michigan av, Chicago, Ill.
**Columbian** Hardware Co., Cleveland, O.
**Corbin** P. & F., New Britain, Conn.
**Enterprise** Foundry Co. (Ltd.), Nixon & Manhattan, Pittsburgh, Pa.
**Ford** Pulley & Hardware Co., Inc., 25 W 45th, New York
**Gardner** Sash Pulley Co. (Ball Bearing), 15 N Jefferson, Chicago, Ill.
**Grand** Rapids Hardware Co. ("Grand Rapids" All Steel Ball Bearing) Grand Rapids, Mich.
**Grant** Pulley & Hardware Co. ("Grant" Overhead & "American" Steel), 101 Park av, New York
**Johnston** & Sharp Mfg. Co. ("Ottumwa" Ball Bearing Steel), Ottumwa, Ia.
**Kline** Hardware Co, Allentown, Pa.
**McDonough** Mfg. Co., Eau Claire, Wis.
**Niagara** Falls Metal Stamping Works, Niagara Falls, N. Y.
**Peck,** Stow & Wilcox Co., Southington, Conn.
**Penn** Hardware Co. ("Penn-Titian," "Penn - Vulcan," "Penn - Spartan"), Reading, Pa.
**Reading** Hdw. Co. (Ball & Roller Bearing), Reading, Pa.
**Riverside** Foundry Co., Wrightsville, Pa.
**Russell** & Erwin Mfg. Co., New Britain, Conn.
**Sargent** & Co., New Haven, Conn.
**Seidel** Mfg. Co. ("Seidel" Noiseless), Boatmen's Bank bldg, St. Louis, Mo.
**Sloan** Frank B. & Co. ("Norris," etc.), 209 E Fayette av, Baltimore, Md.
**Smith** Frank F. Hardware Co. ("Smith," Overhead), 81 Clay, Newark, N. J.
**Smith** & Egge Mfg. Co., Bridgeport, Conn.
**Stover** Mfg. & Engine Co. ("Ideal"), Freeport, Ill.

## 11751— Pulleys (Screw)

**Judd** H. L. Co., 87 Chambers, New York
**Ney** Mfg. Co., Canton, O.
**Peck,** Stow & Wilcox Co., Southington, Conn.
**Penn** Hardware Co., Reading, Pa.
**Reading** Hardware Co., Reading, Pa.
**Russell** & Erwin Mfg. Co., New Britain, Conn.
**Sargent** & Co., New Haven, Conn.
**Stover** Mfg. & Engine Co., Freeport, Ill.
**Wrightsville** Hardware Co., Wrightsville, Pa.

## 11752—Pulleys (Self-Oiling)

**Brown** A. & F. Co., 79 Barclay, New York
**Brown** Engineering Co. ("Brown"), 100 N 3rd, Reading, Pa.
***See adv index at end of book***
**Caldwell** W. E. Co., Louisville, Ky.
**Hanson** Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
**Holyoke** Machine Co., Worcester, Mass.
**Luther** B. G. Co., Worcester, Mass.
**McMaster-Carr** Supply Co. ("Maymont" Loose), 174 N Market, Chicago, Ill.
**Nordyke** & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**Susquehanna** Casting Co., Wrightsville, Pa.
**Walker** Mfg. Co., Denver, Colo.

Wilmarth & Morman Co., 1151 Monroe av, N W, Grand Rapids, Mich.
Wrightsville Hdw. Co. ("Niagara," "Star," "Acme," "Gem" & "Empire" for Auger Mortises), Wrightsville, Pa.

## 11753—Pulleys (Show Case)

Gardner Sash Pulley Co. (Ball Bearing), 15 N Jefferson, Chicago, Ill.
Grant Pulley & Hardware Co., 101 Park av, New York
Penn Hardware Co., Reading, Pa.

## Pulleys (Sleet Proof)

See Pulleys, Arc Lamp

## Pulleys (Speed Changing)

See Variable Speed Transmission

## 11754—Pulleys (Steel Split)

American Machinery Co. ("American"), 103 W Water, Milwaukee, Wis.
DODGE SALES & ENGINEERING CO. ("Oneida," "National," "Keystone"), Mishawaka, Ind.
Fairbanks Co. (Jobbers), 416 Broome, New York

## Pulleys (Well)

See Wheels, Well

## 11755—Pulleys (Wire Tightening)

Smith Otis A. (Pulley & Eccentric Clamp Attached for Wire Fence & Telephone Wire, etc), Rockfall, Conn.

## 11755a— *Pulleys (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Regulator S. C. Mfg. Co., Fostoria, O.
eral, Boston, Mass.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 11756—Pulleys (Wood Rim)

Carey W. W. Co., Lowell, Mass.
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
DODGE SALES & ENGINEERING CO. (Iron Centre for Heavy Duty), Mishawaka, Ind.
Erie Clutch & Pulley Co., Erie, Pa.
Lane Mfg. Co., Montpelier, Vt.
Regulator S. C. Mfg. Co., Fostoria, O.
Saginaw Mfg. Co., Saginaw, Mich.

## 11757— Pulleys (Wood Split)

Burlingame A. Co., Worcester, Mass.
Chicago Pulley & Shafting Co., 40 S Clinton, Chicago, Ill.
Detroit Wood Pulley Co., Detroit, Mich.
DODGE SALES & ENGINEERING CO. ("Independence," "The Dodge Pulley," Balanced), Mishawaka, Ind.
Eclipse Wood Pulley Co., Berlin, Pa.
Erie Clutch & Pulley Co. ("Tornado"), Erie, Pa.
Excelsior Pulley Co. ("Excelsior"), Cuba, N. Y.
Fairbanks Co. (Jobbers), 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Forster John M. Co., Rochester, N. Y.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.
Ohio Valley Pulley Works (Limestone), Maysville, Ky.
Oneida Wood Pulley Co. ("Oneida"), Oneida, N. Y.
Portland Pulley Co., Portland, Ore.
Reading Wood Pulley Co. (Wood Rim & Wood Centre & Wood Rim & Iron Centre), Reading, Pa.
Reeves Pulley Co., Columbus, Ind.
Roanoke Iron Works, Roanoke, Va.
Saginaw Mfg. Co. ("Gilbert"), Saginaw, Mich.
Salem Foundry & Machine Works, Salem, Va.
S. C. Regulator Mfg. Co., Fostoria, Ohio
Strong, Carlisle & Hammond Co. ("Reeves"), 336-344 Frankfort av, N W, Cleveland, O.
Woonsocket Machine & Press Co., Woonsocket, R. I.

## 11758—Pulleys (Wrought Steel)

American Pulley Co. ("American" Whole Steel),, 114 S Clinton, Chicago, Ill.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book.*
Cork Insert Co. ("Cork Insert"), 164 Federal, Boston, Mass.
Dick R. & J. Ltd. ("Barry Steel Split Pulley"), Passaic, N. J.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Medart Patent Pulley Co. (Steel Rim), 3500 De Kalb, St. Louis, Mo.
MEESE & GOTTFRIED CO. (Steel Rim), 660 Mission, San Francisco, Cal.
Strong, Carlisle & Hammond Co. ("American"), 336-344 Frankfort av, N W, Cleveland, O.
New York

## 11759— Pulls (Box)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Ludwig A. & Co., 75 Spring, New York

## 11760— Pulls (Closet)

American Brass & Copper Co., 138 Lafayette, New York
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Bogert & Hopper, Inc., Wooden), 57 Barclay, New York
*See adv index at end of book*
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
ESTES E. B. & SONS (Wooden), 364 5th av, New York
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Ideal Mfg. Co., Franklin & Dubois, Detroit, Mich.
Ireland & Matthews Mfg. Co. (Metal), Beard & Chatfield, Detroit, Mich.
Maddock John & Sons (Porcelain), Trenton, N. J.
Meyer-Sniffen Co., 11 W 36th, New York
Mott J. L. Iron Works (Porcelain), Trenton, N. J.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Sillcocks-Miller Co. ("Celluvarno"), South Orange, N. J.
Smith & Egge Mfg. Co. (Wood), Bridgeport, Conn.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Trenton Potteries Co. (Porcelain), Trenton, N. J.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wolverine Brass Works, Grand Rapids, Mich.

## 11761— Pulls (Door)

Allith-Prouty Co. ("Prouty"), Danville, Ill.
Arcade Mfg. Co., Freeport, Ill.
Aurora Door Hanger & Specialty Co., Aurora, Ill.
Bogert & Hopper, Inc.(Wood), 57 Barclay, New York *See adv index at end of book*
Brainerd Mfg. Co., East Rochester, N. Y.
Brewer Bros. Co. (Wrought), 2d & Somerset, Phila., Pa.
Brey & Krause Mfg. Co., Allentown, Pa.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Champion Hardware Co. ("Champion"), Geneva, O.
Columbian Hardware Co. ("Columbian" & "Gem"), Cleveland, O.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Corbin P. & F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Frantz Mfg. Co., Sterling, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grey Iron Casting Co. (Plain & Fancy), Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel Japanned), St. Louis, Mo.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book.*
Hunt, Helm & Ferris & Co., Harvard, Ill.
Ives H. B. Co., New Haven, Conn.
Jencks E. Mfg. Co., Worcester, Mass.
Lawrence Bros., Sterling, Ill.
National Mfg. Co. (All Steel), Sterling Ill.
Norwalk Lock Co., South Norwalk, Conn.
Pacific Hardware Mfg. Co., Los Angeles, Cal.
Parker Wire Goods Co., Worcester, Mass.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington Conn.
Penn Hardware Co., Reading, Pa.
Peters Jas. & Son (Wrought Iron), 1934 N Front, Phila., Pa.
Phoenix Lock Works, 3d av, Newark, N. J.
Reading Hardware Co., Reading, Pa.
Richards Benj. & Co., Winsted, Conn.
Richards-Wilcox Mfg. Co. ("Richards"
Russell & Erwin Mfg. Co., New Britain, Conn.
Safe Padlock & Hardware Co., Lancaster, Pa.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. (All Steel Door & Cabinet), Sharon, Pa.
Shelby Spring Hinge Co. (Steel), Shelby, Ohio
STANLEY WORKS (Barn & Garage Door, Wrought Steel), New Britain, Conn.
*See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stover Mfg. & Engine Co. (Also Barn Door), Freeport, Ill.
Swett A. L. Iron Works, Medina, N. Y.
Taylor & Boggis Foundry Co., Cleveland, Ohio
Wagner Mfg. Co. ("Wagner"), Cedar Falls, Ia.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Western Brass Mfg. Works (Cast Brass or Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 11762-3— Pulls (Drawer)

Ajax Hardware Mfg. Co., 1100 Military rd, Buffalo, N. Y.
Allith-Prouty Co. ("Prouty"), Danville, Ill.
American Ring Co., Waterbury, Conn.
Arcade Mfg. Co., Freeport, Ill.
Berbecker & Rowland Mfg. Co. (Cast & Wrought Brass Ring, Drop), Waterville, Conn.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Bradley & Farnham, Middlefield, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Brooks M. S. & Sons, Chester, Conn.
Champion Hardware Co. ("Champion"), Geneva, O.
Chantrell Hardware & Tool Co., Reading, Pa.
Clark W. J. Co., Salem, O.
Columbian Hardware Co., Cleveland, O.
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin P. & Y., New Britain, Conn.
Dent Hardware Co. (Plain, Ornamental, Escutcheons & Druggists', etc), Fullerton, Pa.
Eagle Lock Co., Terryville, Conn.
Ellis Mfg. Co., Milldale, Conn.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Foster, Merriam & Co., Meriden, Conn.
Frantz Mfg. Co., Sterling, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
GRAND RAPIDS BRASS CO., Grand Rapids, Mich. *See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hardware Supply Co., Grand Rapids, Mich.

PULLS (DRAWER)—continued

**Harry Bros. Mfg. Co. (Polished Brass),** 282 Woodbridge E, Detroit, Mich.
Illinois Glass Co., Alton, Ill.
Ives H. B. Co., New Haven, Conn.
Jencks E. Mfg. Co., Worcester, Mass.
Keeler Brass Co., Grand Rapids, Mich.
Lawrence Bros. (Steel), Sterling, Ill.
McKinney Mfg. Co. (Pressed Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
National Brass Mfg Co. (Metal), Cincinnati, Ohio
National Lock Co. (Or Furniture), Rockford, Ill.
National Mfg. Co. (Pressed Steel or Brass), Sterling, Ill.
Parker Wire Goods Co., Worcester, Mass.
Payson Mfg. Co., 2918 W Jackson blvd, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penna Hardware Co., Reading, Pa.
Phoenix Lock Works, 3d av, Newark, N. J.
Reading Hardware Co., Reading, Pa.
Richards Benj. & Co., Winsted, Conn.
Rowe Henry Mfg. Co., Newaygo, Mich.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. (All Steel), Sharon, Pa.
Shelby Spring Hinge Co. (Steel, Bronze or Brass Metal, Polished), Shelby, O.
Standard Mfg. Co., Shelby, O.
**STANLEY WORKS,** New Britain, Conn.
*See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
**STILES H. A. & CO.,** 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.
Taylor & Boggis Foundry Co. (Drop), Cleveland, O.
Weber-Knapp Co., Jamestown, N. Y.
Western Brass Mfg. Works (Cast Brass or Bronze), Marshall blvd & W 21st, Chicago, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.
Wrightsville Hardware Co., Wrightsville, Pa.

## 11764— Pulls (Screen Door)

American Ring Co., Waterbury, Conn.
Brooks M. S. & Sons (Also Ring Shade Pulls), Chester, Conn.
Columbian Hardware Co., Cleveland, O.
Corbin P. & F., New Britain, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grey Iron Casting Co., Mt. Joy, Pa.
Griffin Mfg. Co., Erie, Pa.
Hunt, Helen, Ferris & Co. ("Star," "Handy"), Harvard, Ill.
Ives H. B. Co., New Haven, Conn.
Kohler F. E. & Co., Canton, O.
Penn Hardware Co., Reading, Pa.
Shelby Spring Hinge Co., Shelby, O.
**STANLEY WORKS,** New Britain, Conn.
*See adv index at end of book*
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.

## Pulls (Tank)

See Pulls, Closet

## 11765— Pulp (Soda Wood)

Champion Fibre Co., Hamilton, O.

## 11765a—Pulp (Sulphite Wood)

Champion Fibre Co., Hamilton, O.

## 11766— Pulpit & Altar Rails

Columbus Brass Co., 538 Dublin av, Columbus O.
*See adv index at end of book*
Crescent Art Metal Co., Bridgeton, N. J.
Hyde-Murphy Co., Ridgway, Pa.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
**NEWMAN MFG. CO.,** 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*

## 11767—*Pulpits (Marble & Composition)

Deprato Statuary Co., 766 W Adams, Chicago, Ill. *See adv index at end of book*

## 11767a— Pulsometers (Acid)

**FULLER-LEHIGH CO.,** Fullerton, Pa.
*See adv index at end of book*
Pulsometers Steam Pump Co., 220 W. 42d, New York

## 11767b—Pulverized Coal Burning Equipment

Amsler Morton Co. ("Amsler"), Farmer's Bank, Pittsburgh, Pa.
Bonnot Co., Canton, O.
Quigley Furnace Specialties Co., 26 Cortlandt, New York

## Pulverizers

**See Crushers, various kinds; also Pulverizing Machinery; also Mills, Grinding**

## 11767c—Pulverizers (Air Separation)

Aero Pulverizing Co., 120 B'way, New York
Kent Mill Co., 10 Rapelyea, Br'klyn, N. Y.
Raymond Bros., Impact Pulverizer Co., 1346 N Branch, Chicago, Ill.
Stroud E. H. & Co., 928 Fullerton av, Chicago, Ill.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 11768—Pulverizers (Cement)

See also Cement Machinery

**ABBE ENGINEERING CO.,** 216-224 Broadway, New York
*See adv index at end of book*
Bonnot Co., Canton, O.
**FULLER-LEHIGH CO.,** Fullerton, Pa.
*See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O.
*See adv index at end of book*
K. B. Pulverizer Co., Inc., 92 Lafayette, New York
**STANDARD EQUIPMENT CO.** ("Standard"), 184 Church, New Haven, Conn.

## 11769— Pulverizers (Clay)

See also Crushers, Clay

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
American Pulverizer Co., East St. Louis, Ill.
Bonnot Co., Canton, O.
**CROSSLEY MACHINE CO.,** State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
**Fuller-Lehigh Co., Fullerton, Pa.**
*See adv index at end of book*
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
Lehigh-Fuller Co., Fullerton, Pa.
Mead & Co., Detroit, Mich.
Mine & Smelter Supply ("Masso"), 42 B'way, New York
Raymond Bros. Impact Pulverizer Co., 1346 N Branch, Chicago, Ill.
Stroud E. H. & Co., 928-934 Fullerton av, Chicago, Ill.
**United Iron Works, Inc., Kansas City, Mo.**
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 11770— Pulverizers (Coal)

See also Crushers, Coal & Coke

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Aero Pulverizer Co., 120 B'way, New York
Bonnot Co., Canton, O.
**FULLER-LEHIGH CO.,** Fullerton, Pa.
*See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*
K. B. Pulverizer Co., Inc., 92 Lafayette, New York
Lehigh Car Wheel & Axle Works, Catasauqua, Pa.
**Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.**
Powdered Coal Eng. & Equipment Co., 2401 W. Washington blvd., Chicago, Ill.
**STANDARD EQUIPMENT CO.** ("Standard"), 184 Church, New Haven, Conn.
**Stroud E. H. & Co., 928-934 Fullerton av,** Chicago, Ill.
**United Iron Works, Inc., Kansas City, Mo.**
Webster Mfg. Co., 4500-60 Courtland, Chicago, Ill.

## 11771— Pulverizers (Disc)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York. *See adv index at end of book*
Denver Fire Clay Co., Denver, Colo.
Fuller-Lehigh Co., Fullerton, Pa.
Iler Foundry & Mfg. Co., 6605 St. Clair, Cleveland, O.
Mead & Co., Detroit, Mich.

## 11772— Pulverizers (Emery)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*

## 11773—Pulverizers (Laboratory)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Abbe Paul O., 30 Broad, New York
Braun-Knecht-Heimann Co. (& Grinders), 576-584 Mission, San Francisco, Cal.
Fulton Drop Forge Co., Canal, Fulton, O.
Iler Foundry & Mfg. Co., 6605 St. Clair, Cleveland, O.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Mead & Co. (Dry Colors & Dye Stuffs), Detroit, Mich.

## 11774—Pulverizers (Lime Pulver for Limestone)

Bonnot Co., Canton, O.
**FULLER-LEHIGH CO.,** Fullerton, Pa.
*See adv index at end of book*
**JEFFREY MFG. CO.,** 961 N Fourth, Columbus, O. *See adv index at end of book*

## 11775 —Pulverizers (Soil)

Dayton-Dowd Co., Quincy, Ill.
Dunham Co. ("Culti-Packers"), Berea, O.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*

## 11776— Pulverizers (Stone)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Acme Road Machinery Co., All Kinds (Limestone), Frankofrt, N. Y.
American Pulverizer Co., 32d & Ridge, East St. Louis, Ill.
Beach-Russ Co., 216-224 B'way, New York
*See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Hardinge Conical Mill Co. ("Hardinge"), 120 B'way, New York
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
New Holland Machine Co. (Limestone), New Holland, Pa.
Pennsylvania Crusher Co. ("Pennsylvania," Hammer Crusher), Stephen Girard bldg, Phila., Pa.
Raymond Bros. Impact Pulverizer Co. ("Raymond"), 1346 North Branch, Chicago, Ill
**STANDARD EQUIPMENT CO.** ("Standard"), 184 Church, New Haven, Conn.
Stroud E. H. & Co., 928-934 Fullerton av Chicago, Ill.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 11777— Pulverizers (Sugar)

**ABBE ENGINEERING CO.,** 216-224 B'way, New York
*See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**MEAD & CO.,** 19th & M C R R, Detroit, Mich.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 11778— Pulverizers (Wood)

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Mitts & Merrill (For Extracting Turpentine, Tannin, Dye Woods & Essential Oils), Saginaw, Mich.

## 11779— Pumice Brick

Chrystal Chas. B. (Imp.), 13 Cliff, New York *See adv index at end of book*
Doggett Stanley (Imp., Purified), 11 Cliff, New York.
Rhodes James H. & Co. ("Rhodes" Bimsstein Fabrik), 2810 S Albany, Chicago, Ill.
Waddell R. J. & Co. (Imp), 52 Beekman, New York

## 11780— Pumice (Domestic)

American Pumice Co., 111 W Monroe, Chicago, Ill.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 11781—Pumice Stone Importers

See also Rotten Stone

Behrend F., 170 Front, New York
Carbondale Sponge Co., 89 Fulton, New York
**CHRYSTAL CHARLES B.** (Powdered. Lump & Brick), 13 Cliff, New York
*See adv index at end of book*
Doggett Stanley (Imp.), 11 Cliff, New York
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harrison Supply Co. (Selected Lump), 209 Washington, Boston, Mass.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
New England Quartz Co. of N. Y., 150 Nassau, New York
Penna-Keystone Co., 41 Union sq, New York
Rhodes Jas. H. & Co. (Grinders of Italian), 157 W Austin av, Chicago, Ill.
Thurston F. W. Co. (Powdered & Lump), 1832 S Clark, Chicago, Ill.
Van Amringe Theo. & Son, 81 Fulton, New York
Waddell R. J. & Co., 52 Beekman, New York
Wiarda Jno. C. & Co., 273 Greene, Brooklyn, N. Y.

## 11781a— Pump Primers

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 11781b— *Pump Repairs

Elmes Chas. F. Engineering Works, cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## Pump Starters (Automatic)

**See Self Starters**

## 11781c—*Pump Valves & Seats (Rubber)

*Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Schacht Rubber Mfg. Co., Huntington, Ind.

## 11782-3— Pump & Engine (Combined)

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Van Nouhuys Mach. Kks., Albany, N. Y.

## Pumping Machinery

See Machinery, Pumping; also Pumps, Various Kinds

## 11784—Pumping Outfits (Horse Power)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
**MYERS F. E. & BRO.**, 900 Fourth, Ashland, O. *See adv index at end of book*
Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.
U. S. Wind Engine & Pump Co., Batavia, Ill.

## 11785—Pumping Outfits (Odorless)

Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Noble H. A. Co. ("National"), 305 N 2d, Phila, Pa.
Van Nouhuys Mach. Wks., Albany, N. Y.

## 11786—Pumping Systems (Fuel Oil)

Wilgus Mfg. Co. ("Wilgus" for Steam Plants), Los Angeles, Cal.

## 11787—*Pumping Systems (Return Air)

**INGERSOLL-RAND CO.** (Air Lift), 11 B'way, New York
*See adv index at end of book*

## 11788— Pumping Units

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill.
Moore Samuel L. & Sons (Pump & Oil Engine Combined), Elizabeth, N. J.
Van Nouhuys Mach. Wks., Albany, N. Y.

## 11789— Pumps (Acid)

**ABBE ENGINEERING CO.**, 216-224 B'way, New York. *See adv index at end of book*
Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, Aurora, Ill.
Aterite M. H. Co., Inc. (Sulphuric), 55 John, New York
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Buffalo Steam Pump Co., Buffalo, N. Y.
**BYRON JACKSON IRON WORKS**, Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
Cameron A. S., Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
Chemical Equipment Co. ("Ceco"), 910 Monadnock blk, Chicago, Ill.
*See adv index at end of book*

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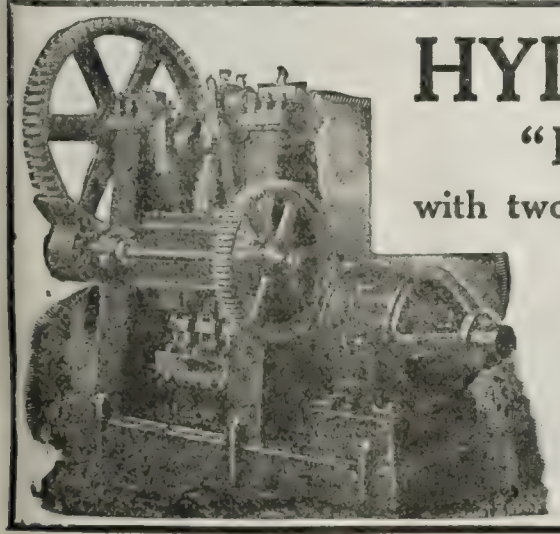
Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
D'Olier Centrifugal Pump & Machine Co., 1421 Chestnut, Phila., Pa.
Duriron Castings Co. ("Duriron" Acid Proof), Dayton, O.
Economy Pumping Machy. Co., 122 Curtis, Chicago, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Foster Pump Works, 37 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Johnson John Co., 203 37th, B'klyn, N. Y.
Lobee Pump & Machinery Co., Est., Buffalo, N. Y.
Merritt Hydraulics Co., 110 N Broad, Phila., Pa.
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.
National Foundry & Machine Co., Louisville, Ky.
**National Transit Pump & Machine Co.**, Oil City, Pa.
*See adv index at end of book*
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal. & 33 W 42d, New York
Process Engineering Co., Penna bldg, Phila., Pa.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.

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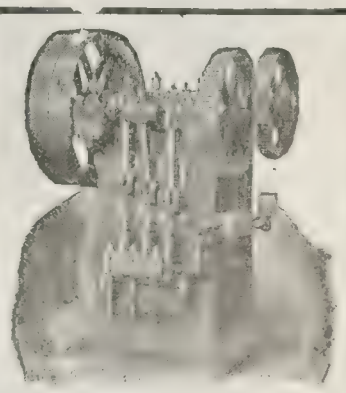

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Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

### 11790—Pumps (Acid, Hard Rubber)

Aldrich Pump Co., Allentown, Pa.
American Hard Rubber Co. (& Pines & Fittings), 9 Mercer, New York

### 11791—Pumps (Acid Metal)

Aldrich Pump Co., Allentown, Pa.
Cameron A. S. Steam Pump Works, Bawling Green bldg, New York
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Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Johnson John Co., 203 37th, B'klyn, N. Y.
Nassau Valve & Pump Co., Inc., Rockville Center, L. I., N. Y.
**NATIONAL 'TRANSIT PUMP & MACHINE CO.,** Oil City, Pa.
*See adv index at end of book*
Traylor Engineering Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

### 11791a—Pumps (Acid Proof)

Aldrich Pump Co., Allentown, Pa.
**CHEMICAL PUMP & VALVE CO., THE** (Pumps & Valves Made of All Kinds of Acid Resisting Material), 327 Gifford, Perth Amboy, N. J.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Johnson John Co., 203 37th, B'klyn, N. Y.
Traylor Engineering Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

### 11792— Pumps (Air)

Abbe, Paul O., 30 Broad, New York
A. F. S. Machine Co., 531 S St. Clair, Toledo, O.
Air Device Co., 2975 Cottage Grove av, Chicago, Ill.
Alberger Pump & Condenser Co., 140 Cedar, New York
Allis-Chalmers Mfg. Co. (Steam Power), Milwaukee, Wis.
American Electric Air Pump Co. (Electric), Penn & Barbeau, Pittsburgh, Pa.
American Steam Pump Co., Battle Creek, Mich.
Asbell S. J. Co. (Hand), Paterson, N. J.
Automatic Electric Pump Co., Davenport, Ia.
**BEACH-RUSS CO.** (For Agitating), 216-224 B'way, New York
*See adv index at end of book*
Bishop & Babcock Co. (Hand & Electric Automatic), 1204 E 55th, Cleveland, Ohio
Black & Decker Mfg. Co., 111 So. Calvert, Baltimore, Md.
Blakeslee Mfg. Co., Du Quoin, Ill.
Bridgeport Brass Co. ("Bridgeport," "Stanley," "Aeolus," "Demo," "Blizzard"), Bridgeport, Conn.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Buffalo Steam Pump Co. (Hand Circulating), Buffalo, N. Y.
Burton & Johnson Co., 2301 Center av, Cleveland, O.
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Carron A. M. Machine Co. (Small Electric), Penn & Barbeau, Pittsburgh, Pa.
Comstock A. S. (Motor Driven), Evanston, Ill.
Dart, E. M., Mfg. Co. (Unions), 134 Thurbers av, Providence, R. I.
*See adv index at end of book*
Davidson M. T. Co. (Single & Twin Cylinder, etc), 154 Nassau, New York
Dean Bros. Steam Pump Works, (Twin Cylinder), 327 W 10th, Indianapolis, Ind.
**DEMING CO.,** Salem O.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Dow Pump & Diesel Engine Co., 311 California, San Francisco, Cal.
Economy Pumping Machy. Co. (Electric of Power), 122 Curtis, Chicago, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
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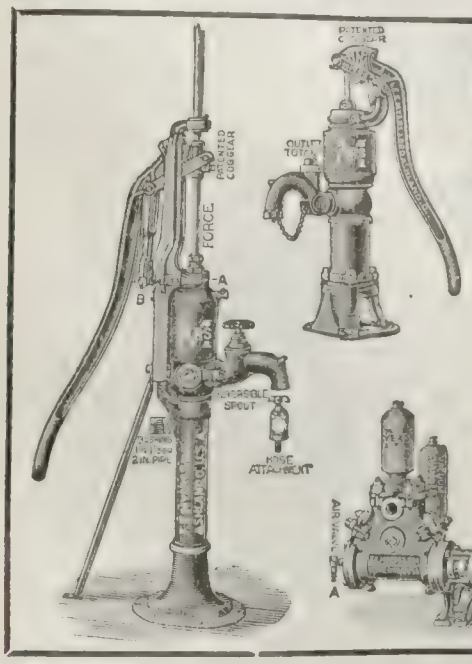


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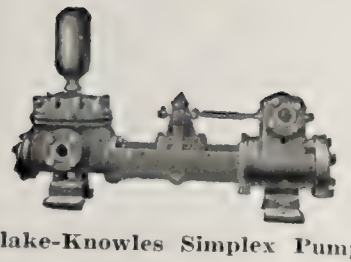
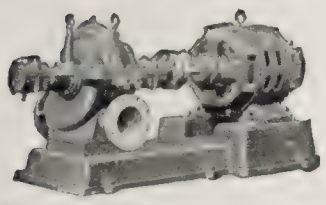
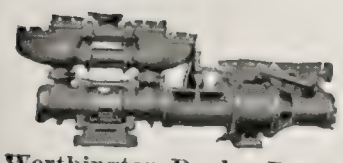


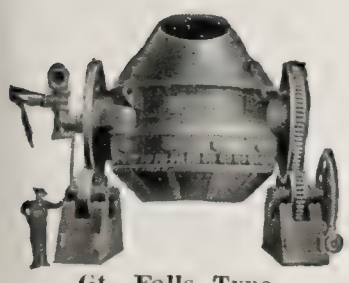
Blake-Knowles Simplex Pump



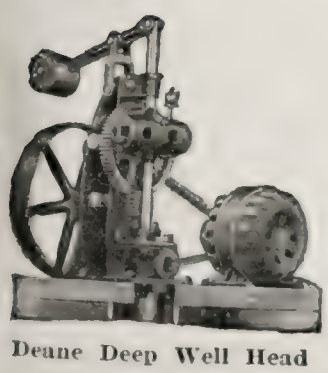
Worthington Centrifugal Pump
—Split Case



Worthington Duplex Pump
Pot Valve Pattern



Gt. Falls Type
Copper Converter



Deane Deep Well Head

## PUMPING MACHINERY

**Power—Steam—Centrifugal**

From small household water meters to high pressure pumps for hydraulic presses; from well pumps for the farm to giant pumps for dry docks, Worthington is turning out an unequalled variety of types and sizes. No pumping job in field, factory or mine but has its requirement best filled by the Worthington line.

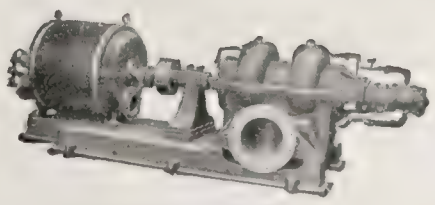
*The Worthington experience is yours to command.*

*See reverse side for list of branch offices*

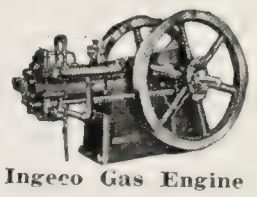
**WORKS:**

WORTHINGTON WORKS.....Harrison, N. J.
BLAKE-KNOWLES WORKS...East Cambridge, Mass.
POWER & MINING MCHY. WORKS....Cudahy, Wis.
INGECO ENGINE WORKS.....Cudahy, Wis.
DEANE WORKS.....Holyoke, Mass.
LAIDLAW WORKS.....Elmwood Pl., Cincinnati, O.
SNOW-HOLLY WORKS.....Buffalo, N. Y.
HAZLETON WORKS.....Hazleton, Pa.
PRESCOTT WORKS.....Cudahy, Wis.

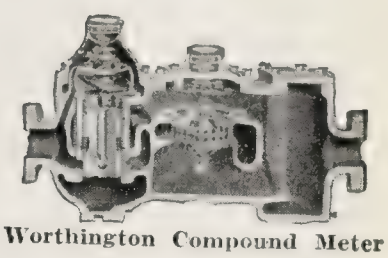
**WORTHINGTON PUMP AND MACHINERY CORPORATION**
115 BROADWAY NEW YORK



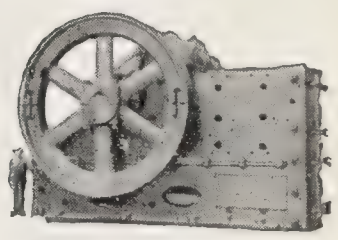
Worthington Bi-Rotor
Volute Pump



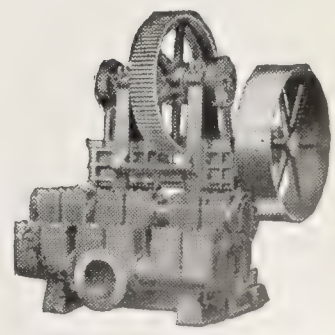
Ingeco Gas Engine



Worthington Compound Meter



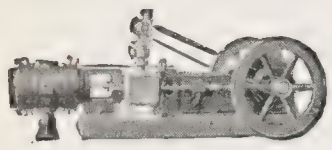
Superior Jaw Crusher



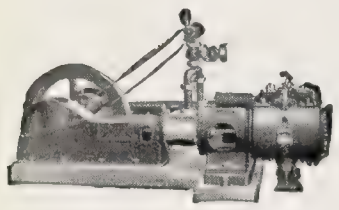
Deane Power Pump

Worthington Disc Meter

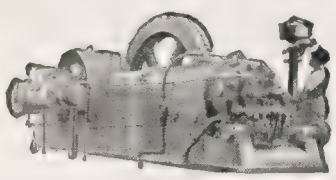
# WORTHINGTON



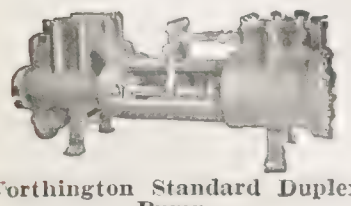
Laidlaw Single Steam Driven Air Compressor



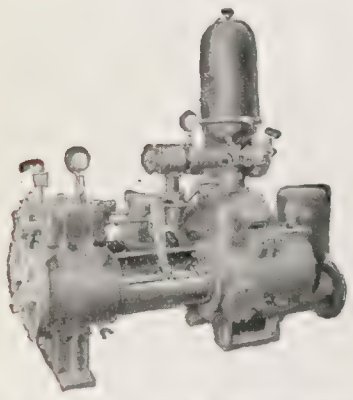
Laidlaw Duplex Steam Driven Air Compressor



Snow Crude Oil Engine



Worthington Standard Duplex Pump



Blake-Knowles Underwriter Fire Pump

## Also Air Compressors — Condensers—Oil Engines and Turbines

In addition to the world's largest variety of pumps and compressors, Worthington also offers a complete line of mining and smelting machinery, condensers to fit every requirement, gas engines of small and great load carrying capacity and other machinery of a kindred type.

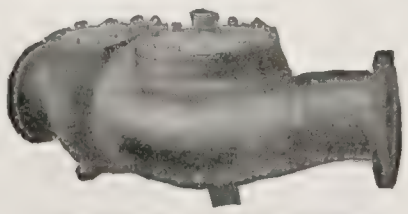
Eight factories, each a specialist in its particular line, provide the facilities that make this production possible.

*See reverse side for list of Worthington works*

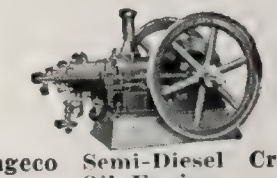
**BRANCH OFFICES:**

| | | | |
|---|---|---|---|
| Atlanta | Cleveland | Los Angeles | Salt Lake City |
| Birmingham | Detroit | Mexico City | St. Paul |
| Boston | Denver | New Orleans | San Francisco |
| Buffalo | El Paso | Philadelphia | Seattle |
| Chicago | Houston | Pittsburgh | Tulsa |
| Cincinnati | Kansas City | St. Louis | Washington |

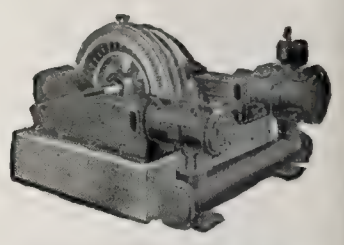
**WORTHINGTON PUMP AND MACHINERY CORPORATION**
115 BROADWAY NEW YORK



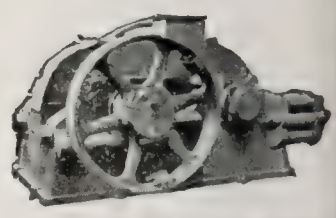
Worthington Turbine Meter



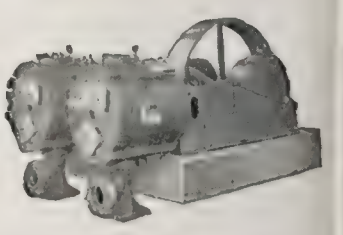
Ingeco Semi-Diesel Crude Oil Engine



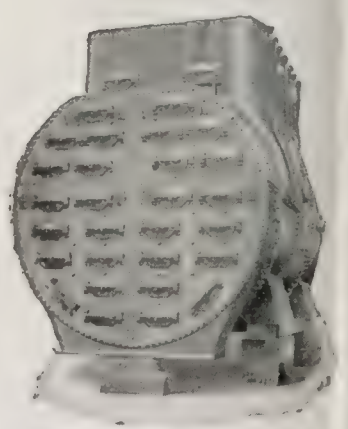
Laidlaw Duplex Motor Driven Air Compressor



Garfield Crushing Roll



Laidlaw Duplex Vacuum Pump



Worthington Condenser

Fritz Geo. J. Foundry & Machine Co. (Brewers' Steam), 2018 S 3rd, St. Louis, Mo.
**GARDNER GOVERNOR CO., 23 Williamson, Quincy, Ill.**
*See adv index at end of book*
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Garrison Brass & Machine Works, 107 W 13th, New York
Globe Mfg. Co., Battle Creek, Mich.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Harris Air Pump Co., 421 W South, Indianapolis, Ind.
Humphryes Mfg. Co. (Hand), Mansfield, O.
Indiana Air Pump Co., Indianapolis, Ind.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Knott L. E. Apparatus Co. (For School Demonstration), 79 Amherst, Cambridge, Mass.
Manistee Iron Works Co., Manistee, Mich.
**MESTA MACHINE CO.,** Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**MYERS F. E. & BRO. (Hydro-Pneumatic, "Century" Low Down & "Bulldozer," "Electric Automatic"), 900 Fourth,** Ashland, O. *See adv index at end of book*
Nash Engineering Co. ("Nash" Hydro-Turbine, South Norwalk, Conn.
National-Standard Co., Box 211 Niles, Mich.
**National Transit Pump & Machine Co., Oil City, Pa.**
*See adv index at end of book*
N. Y. Air Brake Co., 165 B'way, New York
Pattin Bros. Co., Marietta, O.
Platt Iron Works Co., Dayton, O.
Powell Wm. Co., Cincinnati, Ohio
*See adv index at end of book*
Reliance Machine & Tool Works ("Hooker"), Channing & Franklin avs, St. Louis, Mo.
Schramm Chris. D. & Son, Inc,, 709 Arch, Philadelphia, Pa.
Strater Herman & Sons (Beer), 74 Sudbury, Boston, Mass.
Ten Eyck Pump Co., 141-49 W 62nd st, Chicago, Ill.
*See adv index at end of book*
Union Iron Works Co. (And Condenser), 20th & Michigan, San Francisco, Cal.
Union Steam Pump Co. (Direct Acting), Battle Creek Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Ward Pump Co. (Double Cylinder), Rockford, Ill.
West Side Fdry. Co., Troy, N. Y.
Warren Steam Pump Co. (And Condenser), Warren, Mass.
Wheeler C. H. Mfg. Co. ("Mullan" Suction, Valveless, **"Pratt Rotrex," "Thyssen Entrainment"), Lehigh & 18th, Phila., Pa.**
**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler-Edwards" Suction Valveless, also "Wheeler-Rotative Dry," "Wheeler-Turbo Air," "Wheeler-Direct Acting," "Wheeler Steam Jet"), Carteret, N. J.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## 11792a—*Pumps (Air Chamber)

**DEMING CO.,** Salem, O.
*See adv index at end of book*

## 11793—*Pumps (Air, Exhausters)

**BEACH-RUSS CO., 216-224 B'way, New York** *See adv index at end of book*

## 11794— Pumps (Air Lift)

American Steam Pump Co., Battle Creek, Mich.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Emerson Pump & Valve Co., Alexandria, Va.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Indiana Air Pump Co., Indianapolis, Ind.
**INGERSOLL-RAND CO. ("Imperial," "Pohle" & "Saunders" & Return Air), 11 B'way, New York**
***See adv index at end of book***
Latta-Martin Pump Co., Hickory, N. C.
Merritt Hydraulics Co., 110 N Broad, Phila., Pa.
Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.
**Sullivan Machinery Co., Peoples Gas bldg,** Chicago, Ill.
Talbot Air Lift Co., 335 W 4th, Phila., Pa.
Union Steam Pump Co., Battle Creek, Mich.
**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

## 11795—Pumps (Air Line, Vacuum Heating)

**BEACH-RUSS CO., 216-224 B'way, New York** *See adv index at end of book*
Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williams, Quincy, Ill. *See adv index at end of book*
McAlear Mfg. Co. (Electric & Steam), 1901 So. Western av, Chicago, Ill.

## 11796— Pumps (Air, Tire)

American Electric Air Pump Co. (Electric for Garages), Penn & Barbeau, Pittsburgh, Pa.
Ansonia Mfg. Co., Ansonia, Conn.
Apex Elec. Mfg. Co. ("Yankee"), 1410 W 59th, Chicago, Ill.
Automatic Electric Pump Co., Davenport, Ia.
Bay State Pump Co. ("Crane" Engine Drivers), 100 Purchase, Boston, Mass.
Beckley-Ralston Co., 1801 S Michigan av, Chicago, Ill.
Bell Pump & Mfg. Co., 74 Fort E, Detroit, Mich.
Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
Black & Decker Mfg. Co. ("Lectroflater", 111 So. Calvert, Baltimore, Md.
Bridgeport Brass Co. ("Bridgeport," "Stapley," "Aeolius," "Atlas," "Windjammer," "Crown"), Bridgeport, Conn.
Brown Co. ("Brown," "Virtue"), Syracuse, N. Y.
Carron A. M. Machine Co. (Electric), Penn & Barbeau, Pittsburgh, Pa.
Central Brass & Fixture Co., Springfield, Ohio
Cleveland Faucet Co. ("Champion"), 1205 E 55th, Cleveland, O.
Codman & Shurtleff ("C. & S."), 120 Boylston, Boston, Mass.
Coe-Stapley Mfg. Co. (Hand), West Haven, Conn.
Cox Brass Mfg. Co. ("Boss" & Handy"), Albany, N. Y.
Dudely Tool Co., Menominee, Mich.
Fero Elec. Air Pump Co., Wilkinsburg, Pa.
Fidelity Brass Mfg. Co., 1001 Wash. blvd, Chicago, Ill.
Gant E. M. Mfg. Co., Inc. (Hand), Ethridge, Tenn.
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
General Utility Co., 1326 Ogden, Phila., Pa.
Gleason-Peters Air Pump Co. ("G.-P."), 384 Classon av, Brooklyn, N. Y.
Globe Mfg. Co. ("Dead Easy"), Battle Creek, Mich.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Guarantee Liquid Measure Co., Union Arcade, Pittsburgh, Pa.
Hale Elec. & Engng. Co., 1232 E 3d, Cleveland, O.
Hancock Mfg. Co., Charlotte, Mich.
Haney J. H. & Sons ("Rose"), Omaha, Neb.
Hartford Machine Screw Co., Hartford, Conn.
Herz & Co., 245 W 55th, New York
Hill Pump Valve Co. "Utility"), 4001-21 Belmont av, Chicago, Ill.
Imperial Brass Mfg. Co. ("Imperial-Wixon"), 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
Ingersoll Robt. H. & Bro. (Bicycle), 315 4th av, New York
*See adv index at end of book*
Jensen-Kohlert Mfg. Co., St. Charles, Ill.
**Judd & Leland Mfg. Co. ("Eureka," "Triplex," "Columbia," "Hill," "Leland," "Tornado," "Cyclone," "Bonham," "Perfection," "Telescope," "Excelsior," "Victor," "J. & L. Special"),** Clifton Springs, N. Y.
Kellogg Mfg. Co., Rochester, N. Y.
Kokomo Electric Co. ("Kingston"), Kokomo, Ind.
Krahn Mfg. Co., 598 Clinton, Milwaukee, Wis.
Lake Erie Mfg. Co. ("Gatling"), Buffalo, N. Y.
Lapoint J. N. Co. ("Arnold"), New London, Conn.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Livermore Homer F. ("Austin" Bicycle & Motorcycle), 85 Pearl, Boston, Mass.
**Manzel Bros. Co. (Auto Engine Driven), 315 Babcock, Buffalo, N. Y.**
Mayo-Skinner Mfg. Co. ("Skinner"), 54 E 18th, Chicago, Ill.
Motor Car Supply Co. ("Windejammer"), 1453 Michigan av, Chicago, Ill.
Noera Mfg. Co., Waterbury, Conn.
Osborne & Stephenson Mfg. Co. ("Carver"), Plainville, Conn.
Post & Lester Co., Hartford, Conn.
Quimby Mfg. Co., 1700 Washington av, Minneapolis, Minn.
Raymond Engineering Corp., 309 Lafayette, New York
Rome Bicycle Mfg. Co. (Bicycle), Rome, N. Y.
Rose J. A. Mfg. Co., Hastings, Nebr.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa. *See adv index at end of book*
Shawver Co. ("Springfield"), Springfield, O.
Star Brass Works ("Binks" Electric), 3129 Carroll av, Chicago, Ill.
*See adv index at end of book*
Stevens & Co. ("Ultra"), 373 B'way, New York
Sunderland Mfg. Co. ("Pitner"), 600 W 22d, Chicago, Ill.
Taylor Mfg. Co., Detroit, Mich.
Troy Auto Specialty Co. ("Hanna" Power), Troy, N. Y.
Turner Brass Works ("Turner" Pressure, Floor Pump), Sycamore, Ill.
Union Steam Pump Co. (Air Feed), Battle Creek, Mich.
United States Electrical Tool Co., Cincinnati, O. *See adv index at end of book*
Utility Compressor Co., 363 Harper av, Detroit, Mich.
West Side Foundry Co., Troy, N. Y.
Werner-Service Mfg. Co., 263 Fairmount av, Jersey City, N. J.
Wissler A. ("E-Z," Automatic Automobile), B'way & Wash. av, St. Louis, Mo.

## 11797—Pumps (Air & Water Combined)

Myers F. E. & Bro. ("Myers" Cog Gear), 900 Fourth, Ashland, O.
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge. Brooklyn, N. Y.
*See adv index at end of book*
Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Vogt Bros. Mfg. Co., Louisville, Ky.

## 11798— Pumps (Alcohol)

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minot, Minn.
*See adv index at end of book*
Tokheim Mfg. Co., Cedar Rapids, Ia.

## 11799— Pumps (Ale & Beer)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Automatic Electric Pump Co., Davenport, Ia.
Berner H. D. & Winterbauer Co., 380 Lafayette, New York

PUMPS (ALE & BEER)—continued

**Bishop & Babcock Co., 1204 E 55th,** Cleveland, O.
Brown Beer Pump Co., 11 Chardon, Boston, Mass.
**Dean Bros. Steam Pump Works, 327 W** 10th, Indianapolis, Ind.
Eagle Beer Pump Co., 17 New Chambers, New York
**Erie Pump & Engine Works, Inc., 141** Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Federal Brass Works, 3100 S Kedzie,** Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**GARDNER GOVERNOR CO., 23 William**son, Qunicy, Ill.
*See adv index at end of book*
Gottlieb I., 332 W 52nd, New York
Janette Mfg. Co. (Automatic Electric), 617 W Jackson blvd, Chicago, Ill.
**Liquid Carbonic Co., 3100 S Kedzie av,** Chicago, Ill.
**Lobee Pump & Machinery Co., Est., Buf**falo, N. Y.
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Mager C., 314 W 39th, New York
**Miller John A., 600 Bergen av, New York**
**Mutual Beer Pump Co., 809 3d av, New** York
Noe C., 492 E 167th, New York
**Northern Fire Apparatus Co., 2422 Univ.** av, S. E., Minneapolis, Minn.
*See adv index at end of book*
**Ohio Pump & Brass Co. ("Triumph"),** Columbus, O.
**Quimby Wm. E., Inc., 209 Parkhurst,** Newark, N. J.
**Russ Co. ("Cleveland"), 5700 Walworth** av, Cleveland, O.
Sarge Kurt, 224 E 80th, New York
Schneible C. A., 132 E 121st, New York
**Strater Herman & Sons, 74 Sudbury, Bos**ton, Mass.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
**Varwig Mfg. Co. ("Electric"), 120 Opera pl,** Cincinnati, O.
Victor Electric Co. ("Victor"), 236 S Robey, Chicago, Ill.

## 11800— Pumps (Aluminum)

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Humphryes Mfg. Co., Mansfield, O.

## 11801— Pumps (Ammonia)

See also Pumps, Steam

Advance Pump & Compressor Co., **Flint** & Division, Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Columbus Iron Works, Columbus, Ga.
**CROWELL MFG. CO** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Davidson M. T. Co., 154 Nassau, New York
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**Erie Pump & Engine Works, Inc., 141** Glenwood av, Medina, N. Y.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**Gas Machinery Co., 1900 Euclid av, Cleve**land, O.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
**Guild & Garrison, 457 Kent av, Brooklyn,** N. Y.
**Luitwieler Pumping Engine Co., Rochester,** N. Y.
**National Foundry & Machine Co., Louis**ville, Ky.
**Northern Fire Apparatus Co., 2422 Univ.** av, S. E., Minneapolis, Minn.
*See adv index at end of book*
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 11802—Pumps (Artesian Well)

Advance Pump & Compressor Co., **Flint** & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, Aurora, Ill.
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
Cook August D., Lawrenceburg, Ind.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Davidson M. T. Co. (Horizontal & Vertical), 154 Nassau, New York
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Epping-Carpenter **Pump Co., ft. 43rd,** Pittsburgh, Pa.
**Fairbanks, Morse & Co. (Gas, Gasoline &** Oil), 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co., Kendallville, Ind.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Humphryes Mfg. Co., Mansfield, O.
**KEYSTONE DRILLER CO.** ("Downie") Beaver Falls, Pa.
*See adv index at end of book*
Luitwieler Pumping Engine Co., Rochester, N. Y.
**Midwest Engine Co., Indianapolis, Ind.**
National Steam Pump Co., Upper Sandusky, O.
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Platt Iron Works Co., Dayton, O.
Rider-Ericsson Engine Co., 20 Murray, New York
**Rumsey Pump Co., Box J, Seneca Falls,** N. Y.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
Standard Pump & Engine Co., Akron, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Union Steam Pump Co., Battle Creek, Mich.
U. S. Wind Engine & Pump Co., Batavia, Ill.
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## 11803— Pumps (Automatic)

**Advance Pump & Compressor Co., Flint** & Division, Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Blake Pump & Condenser Co. (Automatic Pumps & Receivers), Fitchburg, Mass.
Brown, E. C., Co., Rochester, N. Y.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
**Dean Bros. Steam Works, 327 W 10th,** Indianapolis, Ind.
Decatur Pump & Mfg. Co. (and Elec.), Decatur, Ill.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Economy Pumping Machy. Co. (& Electric), 122 Curtis, Chicago, Ill.
**Erie Pump & Engine Works, Inc., 141** Glenwood av, Medina, N. Y.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**Gardner Governor Co., 23 Williamson,** Quincy, Ill. *See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hartford Machine Screw Co. ("Master" Garage Power Tire), Hartford, Conn.
**Luitwieler Pumping Engine Co., Rochester,** N. Y.
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*
**Midwest Engine Co., Indianapolis, Ind.**
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
National Transit Pump & Machine Co. (Automatic Pumps & Receivers), Oil City, Pa. *See adv index at end of book*
National Water Lift Co. ("National" for Residential Purposes), Kalamazoo, Mich.
Platt Iron Works Co. (Automatic Pump & Receiver), Dayton, O.
**Quimby Wm. E. (Inc.), 209 Parkhurst,** Newark, N. J.
**Standard Pump & Engine Co., Akron, O.**
**Twinvolute Pump & Mfg. Co. ("Twin**volute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
**WORTHINGTON PUMP & MACHY. CORP.** (Automatic Feed Pumps & Receivers), 115 B'way, New York
*See adv index at end of book*

## 11804— Pumps (Automobile)

See also Pumps, Air, Tire; also Pumps, Circulating

Advance Pump & Compressor Co., **Flint** & Division, Battle Creek, Mich.
**American Electric Air Pump Co. (Garage** Air), Penn & Barbeau, Pittsburgh, Pa.
**American Steam Pump Co., Battle Creek,** Mich.
Apex Elec. Mfg. Co. ("Liberty") (Foot), 1410 W 59th, Chicago, Ill.
Atlas Brass Foundry Co., Columbus, Ohio
**Automatic Electric Pump Co., Daven**port, Ia.
Brown Co., Syracuse, N. Y.
Cincinnati Lubricant Pump Co., Blanchester, O.
Coe-Stapley Mfg. Corp., West Haven, Conn.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
**DUNNING & BOSCHERT PRESS CO., INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
**Goulds Mfg. Co. (Tire & Tank), 71 W Fall,** Seneca Falls, N. Y.
*See adv index at end of book*
**Hill Pump Valve Co. (Tire, "Utility"),** Archer av, Canal & 23d, Chicago, Ill.
**Howell W. H. Co., Geneva, Ill.**
Lobee Pump & Machinery Co., East Buffalo, N. Y.
**LUNKENHEIMER CO.** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Manzel Bros. Co. (Auto Engine Driver), 315 Babcock, Buffalo, N. Y.
National Gauge & Equipment Co. ("National"), La Crosse, Wis.
*See adv index at end of book*
**Noera Mfg. Co., Waterbury, Conn.**
**Oberdorfer M. L. Brass Co., 810 E Water,** Syracuse, N. Y.
**Rose J. A. Mfg. Co., Hastings, Neb.**
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
**Taylor Mfg. Co., Detroit, Mich.**
**Union Steam Pump Co. (Air Feed), Battle** Creek, Mich.
Victor Electric Co. (Tire), 236 S Robey, Chicago, Ill.
**Ward Pump Co. ("Ward" Double Cylinder** Air), Rockford, Ill.
West Side Foundry Co., Troy, N. Y.

## 11805—*Pumps (Ball Valve)

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**National Transit Pump & Machine Co.,** Oil City, Pa. *See adv index at end of book*

## 11806— Pumps (Ballast)

**Cameron A. S. Steam Pump Works, Bowl**ing Green bldg, New York
*See adv index at end of book*
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*

# FOSTER PUMP WORKS, Inc.

37 BRIDGE STREET, BROOKLYN, N. Y.

*Established 1860*

**Manufacturers of Steam Pumps, Rotary Pumps, Rotary Blowers, Vacuum Pumps, High Pressure Pumps, Ammonia Pumps, Well Pumps, Special Pumping Machinery**

## WATER LUBRICATED AIR COMPRESSORS

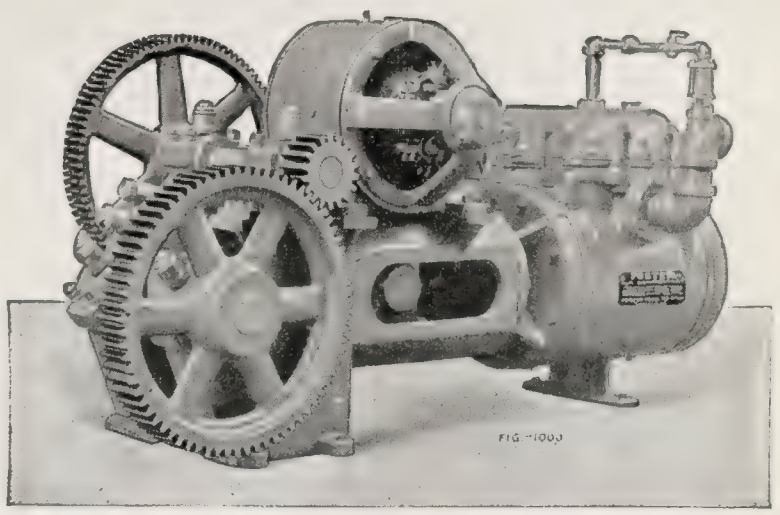
**Single Cylinder—Sizes and Ratings**

| Diam. Cyl. | Stroke in inches | Strokes per min. | Displacement cubic feet per min. | Approximate horsepower required for 100 lb sq. in. pressure |
|---|---|---|---|---|
| 6 | 8 | 75 | 19 | 5 |
| 8 | 10 | 60 | 35 | 7.5 |
| 10 | 12 | 50 | 54 | 12 |
| 12 | 12 | 50 | 78 | 15 |
| 14 | 15 | 40 | 107 | 20 |

**Duplex Cylinder Air Compressors**

Suitable only for pressures up to 60 lb

| | | | | |
|---|---|---|---|---|
| 4.5 | 5 | 120 | 22 | 5 |
| 7 | 7 | 86 | 52 | 7.5 |

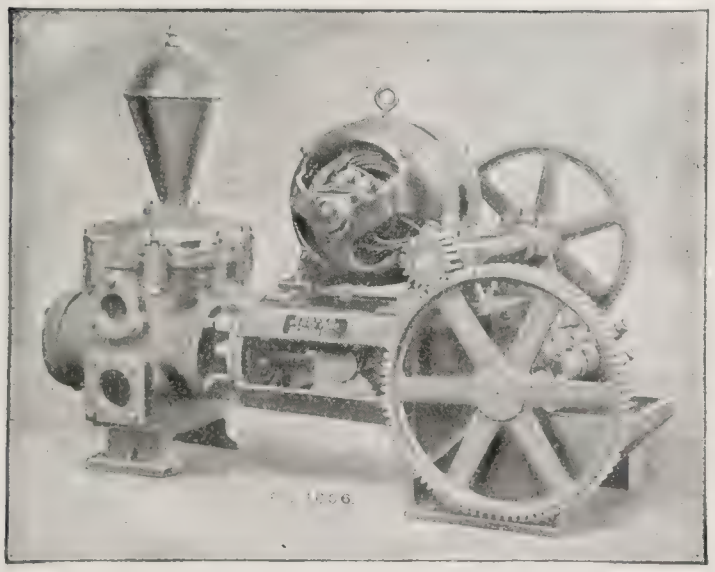



## WATER LUBRICATED AIR COMPRESSORS

The Water Lubricated Air Compressors shown in Fig. No 1000 were developed to meet the requirements for compressed air absolutely free from any trace of oil. Such an air is required by Food Industries and Beverage Industries. With the ordinary types of Oil Lubricated Air Compressors it is impossible to obtain such air without the use of complicated auxiliary apparatus, such as Filters, Separators, Scrubbers, etc. As the efficiency of these cleaning devices depend entirely on the proper maintenance it necessitates very frequent cleaning, their cost of maintenance is high and the service is subject to many interruptions.

The Water Lubricated Air Compressor shown above makes unnecessary the use of cleaning apparatus, thereby reducing materially the cost of the installation of the air plant and also greatly reducing the cost of maintenance, and further, does away with the interruptions of service du to cleaning of auxiliary apparatus. The Compressors are built in a single cylinder type as shown on Fig. No. 1000 and also in the duplex cylinder type similar to the pumping outfit shown in Fig. No. 1006. The Single Cylinder Types of machines are suitable for pressures up to 100 pounds per square inch and the Duplex Cylinder Types are suitable for pressures up to 60 pounds per square inch. Both types of machines are of very rigid construction. Cylinders are water jacketed for cooling. Both the single cylinder type and the duplex cylinder type can be furnished arranged for Motor or Belt Drive. Motor Drive may be either direct depending as shown by Chain Drive or Belt Drive.

These machines have been used by Breweries, Bottling Works for a great many years with entire satisfaction. We are in a position to quote prices on complete Air Plants including Compressor, Tanks, Motors, Regulators and all apparatus required and would be glad to furnish benefit of our experience gained by many years in this class of work.




## POWER PUMPS

The Motor Driven Duplex Power Pump is shown in Figure No. 1006. These Power Pumps are arranged for either Motor or Belt Drive and can be supplied in Simplex and Duplex Type of Pump. We are prepared to furnish suitable Pumps for boiler feeding, general service, air brine pumps, and oil pumps. The construction of the Pump Frame is extremely rigid. Bearings are proportioned for possible overloads and the best of materials only are used. The Pumping Cylinder is of best quality cast iron fully bronze fitted, all passages are free, direct and clear. Valves are properly proportioned to secure the maximum efficiency. The Pumps are thoroughly reliable in every way. Complete specifications covering their construction will be cheerfully sent upon request.

### POWER PUMPS—Simplex Type

**Horizontal Boiler Feed or Pressure Pumps—Piston Pattern Motor and Belt Driven**

| Ratings at 100′ piston speed | | | | Approximate horsepower required for 150 lb pressure |
|---|---|---|---|---|
| Diam. | Stroke | R.P.M. | G.P.M. | |
| 2 | 4 | 150 | 16 | 2 |
| 2½ | 6 | 100 | 25 | 3 |
| 3½ | 8 | 75 | 49 | 5 |
| 4 | 10 | 60 | 65 | 7.5 |
| 5 | 12 | 50 | 101 | 10 |
| 6 | 12 | 50 | 146 | 15 |
| 7 | 14 | 45 | 199 | 20 |
| 8 | 14 | 45 | 260 | 25 |
| 10 | 14 | 45 | 400 | 40 |

### POWER PUMPS—Duplex Type

**Horizontal Boiler Feed or Pressure Pumps—Piston Pattern Motor and Belt Driven**

| Diam. | Stroke | R.P.M. | G.P.M. | Approximate horsepower required for 150 lb pressure |
|---|---|---|---|---|
| 3 | 5 | 120 | 74 | 7.5 |
| 3½ | 7 | 86 | 98 | 10 |
| 4 | 9 | 67 | 130 | 15 |
| 5 | 10 | 60 | 207 | 20 |
| 6 | 12 | 50 | 290 | 30 |

# FOSTER PUMP WORKS, Inc.

37 BRIDGE STREET, BROOKLYN, N. Y.

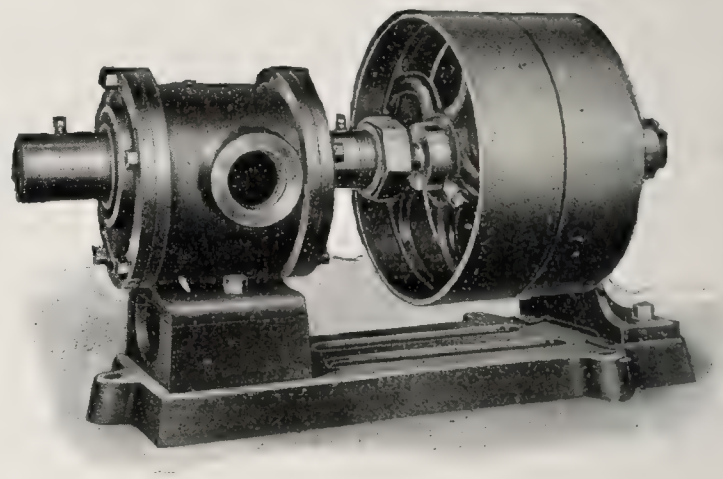
*Established 1860*

**Manufacturers of Steam Pumps, Rotary Pumps, Rotary Blowers, Vacuum Pumps, High Pressure Pumps, Ammonia Pumps, Well Pumps, Special Pumping Machinery**

### ROTARY PUMPS—Belt and Motor Driven

**Sizes and Capacities**

| Size No. | RPM. | Capacity discharge gallon per min. | Pipe sizes. | | Belt drive. | | Approx. HP required for 60lb pressure |
|---|---|---|---|---|---|---|---|
| | | | Suction | Discharge | Pulley dia. | Pulley face | |
| 1 | 200 | 25 | 1″ | 1″ | 10″ | 2″ | 1½ |
| 2 | 200 | 30 | 1¼″ | 1¼″ | 12″ | 3″ | 2 |
| 3 | 200 | 45 | 1½″ | 1½″ | 12″ | 3″ | 2½ |
| 4 | 175 | 90 | 2″ | 2″ | 14″ | 4″ | 3½ |
| 5 | 130 | 175 | 3″ or 4″ | 3″ or 4″ | 18 | 6″ | 6½ |
| 5½ | 130 | 260 | 5″ | 5″ | 20 | 6″ | 10 |
| 7 | 115 | 300 | 6″ | 6″ | 36 | 8″ | 12 |
| 7½ | 115 | 400 | 8″ | 8″ | 36 | 8″ | 15 |

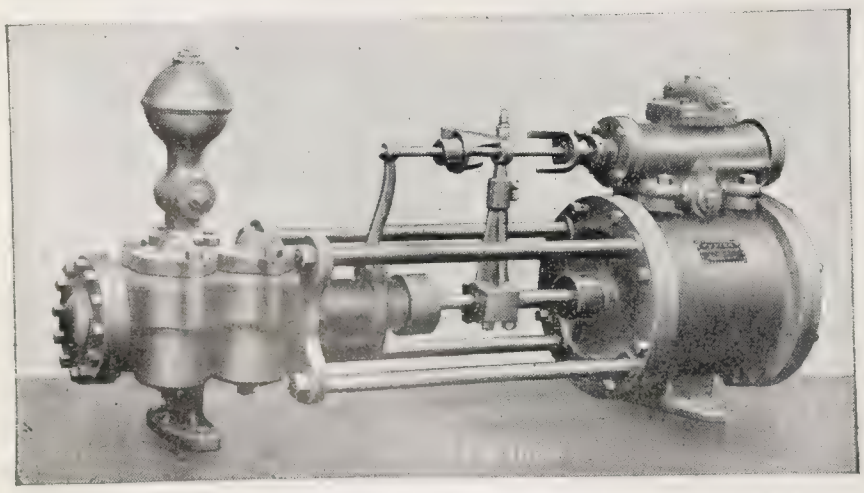


## ROTARY PUMPS

The cut shows Belt Driven FOSTER Rotary Pumps. We have been making these Pumps for over 40 years. They can be used to meet pumping conditions under which the reciprocating type of pump and the centrifugal type of Pump do not give satisfactory service. They have a positive suction and discharge and all pumps have a minimum suction lift of 18 ft. when new. No foot valves of any kind are required in the suction line. They can be furnished regularly in cast iron and in bronze and can be supplied on short notice in Monel Metal to meet requirements of strong corrosive liquids.

The Pumps are extremely simple in their construction and are entirely valveless. Their operation is continuous. For handling large volumes against moderate heads they are ideal. They are suitable for handling any liquid that can be readily forced through a pipe.

These pumps are also furnished driven either by steam, gasoline or electric motor. They can be obtained hand driven.



## FOSTER HIGH PRESSURE PUMP

The FOSTER HIGH PRESSURE PUMP is shown in Fig. No. 1004 and can be regularly supplied to meet the requirements of pressures up to 750 pounds per square inch. Special Pumps can be supplied to meet higher pressures. They can be arranged for Steam Drive, Belt Drive or Electric Motor Drive. The pumping cylinders can be furnished in Cast Iron, Bronze or Steel. This type of Pump is in very wide use for Ammonia Work, Acid Sludges, Elevator Service, etc. The Valves are properly constructed to meet high pressure service and the Pump when used for these purposes will not become gas bound. The Pumping Cylinder is furnished with special Piston Rod Stuffing Box which is unique in its construction and reduces the wear on the Piston Rod to a minimum making for long life of the Piston Rods doing away with the necessity of frequent packing and reducing the maintenance to a minimum.

**Two Valve Type**

| Dia. of Steam Cylinder Inches | Dia. of Ammonia Cylinder Inches. | Length of Stroke in Inches | Gallons per Single Stroke | Steam Pipe Size in Inches | Exhaust Pipe Size in Inches | Suction Pipe Size in Inches | Discharge Pipe Size in Inches |
|---|---|---|---|---|---|---|---|
| 4 | 1½ | 6 | .04 | ½ | ¾ | 1 | ¾ |
| 6 | 2½ | 7 | .09 | ¾ | 1 | 1¼ | 1 |
| 7 | 2½ | 7 | .14 | 1 | 1¼ | 1¼ | 1 |
| 8 | 3 | 10 | .30 | 1 | 1¼ | 1½ | 1¼ |
| 10 | 4 | 10 | .54 | 1¼ | 1½ | 2 | 1½ |
| 12 | 5 | 12 | 1.02 | 1½ | 2 | 2½ | 2 |
| 14 | 5 | 12 | 1.02 | 1½ | 2 | 2½ | 2 |

**Four Valve Type**

| Dia. of Steam Cylinder Inches | Dia. of Ammonia Cylinder Inches. | Length of Stroke in Inches | Gallons per Single Stroke | Steam Pipe Size in Inches | Exhaust Pipe Size in Inches | Suction Pipe Size in Inches | Discharge Pipe Size in Inches |
|---|---|---|---|---|---|---|---|
| 14 | 6 | 14 | 1.71 | 1½ | 2 | 3 | 2½ |
| 15 | 6 | 14 | 1.71 | 1½ | 2 | 3 | 2½ |
| 15 | 7 | 14 | 2.28 | 1½ | 2 | 3 | 2½ |
| 16 | 7 | 15 | 2.44 | 2 | 2 | 3 | 2½ |
| 16 | 8 | 16 | 3.48 | 2 | 2 | 3 | 2½ |
| 16 | 7 | 16 | 2.61 | 2½ | 2½ | 3 | 2½ |
| 18 | 8 | 16 | 3.48 | 2½ | 2½ | 3 | 2½ |
| 20 | 7 | 16 | 2.61 | 2½ | 2½ | 3 | 2½ |
| 20 | 8 | 16 | 3.48 | 2½ | 2½ | 3 | 2½ |

National Transit Pump & Machine Co., Oil City, Pa.
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 1807— Pumps (Barrel)

lbert Lea Sprayer Co., Albert Lea, Minn.
ldrich Mfg. Co. (All Copper), Buffalo, N. Y.
**EACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
eman Automatic Oil Can Co. ("Beman," Rotary, for Transferring Oil from Barrel to Tank), Meadville, Pa.
rown, E. C., Co., Rochester, N. Y.
**EMING CO.**, Salem, O.
*See adv index at end of book*
oster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
riend Mfg. Co., Gasport, N. Y.
tonarch Mfg. Co., Council Bluffs, Ia.
**lyers F. E. & Bro., 900 Fourth, Ashland, O.** *See adv index at end of book*
ay Geo. A. Mfg. Co. (All Copper), Buffalo, N. Y.
othweiler & Co. ("Rothweiler"), 3391 1st av S, Seattle, Wash.
exton Can Co. ("Sexton" Rotary), 123 Broad, Boston, Mass.
**rahern Pump Co. (Rotary), Rockford, Ill.**

## Pumps (Beer)

See Pumps, Ale & Beer

## 1808—Pumps (Belt-Driven)

dvance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
ldrich Pump Co., Allentown, Pa.
merican Steam Pump Co., Battle Creek, Mich.
merican Well Works, Aurora, Ill.
**EACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
**UFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
ameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
arbondale Machine Co., Carbondale, Pa.
ardwell Machine Co., 1900 E. Cary, Richmond, Pa.
*See adv index at end of book*
olumbiana Pump Co., Columbiana, O.
avidson M. T. Co., 154 Nassau, New York
ayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
ean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**E LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**EMING CO.**, Salem, O.
*See adv index at end of book*
ubois Iron Works, Dubois, Pa.
rie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
airbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
rench Oil Mill Machinery Co., Piqua, O.
ardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
**ODFREY-KEELER CO.**, 70 Warren, New York *See adv index at end of book*
oulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
ydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
*See adv index at end of book*
nnings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
hnson John Co., 203 37th, B'klyn, N. Y.
ewanee Private Utilities Co. ("Kewanee"), West Side, Kewanee, Ill.
inney Mfg. Co., 3541 Washington, Boston, Mass.
obee Pump & Machinery Co., East Buffalo, N. Y.
cGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*
orris Machine Works, Balwinsville, N. Y.
**YERS F. E. & BRO.** (Bulldozer), 900 Fourth, Ashland, O.
*See adv index at end of book*
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
National-Standard Co., Box 211, Niles, Mich.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Quimby Wm. E. (Inc.), 209 Parkhurst, Newark, N. J.
Rumsey Pump Co. (Ltd), Box J, Seneca Falls, N. Y.
San Diego Machine Co., San Diego, Cal.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
Standard Pump & Engine Co., Akron, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Union Steam Pump Co., Battle Creek, Mich.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## Pumps (Bicycle)

See Pumps, Air Tire

## 11809— Pumps (Bilge)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Abendroth G. Irving Co. (Spiral or Straight Riveted), 10 E 43d, New York
Abendroth & Root Mfg. Co. (Spiral Riveted), Newburgh, N. Y.
*See adv index at end of book*
Aldrich Pump Co., Allentown, Pa.
American Cement Machine Co. ("American"), Keokuk, Ia.
American Well Works, Aurora, Ill.
Bishop's Wm. Sons (Brass & Copper), 18 James, New York
Blackmer Rotary Pump Co., Petoskey, Mich.
Blakeslee Mfg. Co., Du Quoin, Ill.
C. H. & E. Mfg. Co. ("C. H. & E." Portable Power Driven), 384 Clinton, Milwaukee, Wis.
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
Chicago Automatic Switch Co. (Float), 212 N Peoria, Chicago, Ill.
Chicago Pump Co. (Automatic, Electric), 2342 Wolfram, Chicago, Ill.
*See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Durkee Chas. D. & Co. ("Crescent"), 2 South, New York
**S Wabash av, Chicago, Ill.**
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Epping-Carpenter Pump Co., ft. 43rd, Pittsburgh, Pa.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Fairbanks, Morse & Co. (Diaphragm), 900 S. Wabash av, Chicago, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Humphryes Mfg. Co., Mansfield, O.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kinney Mfg. Co. ("Kinney"), 3541 Washington, Boston, Mass.
Laughlin Thos. Co. ("Wurkeze" & Yacht), Portland, Me.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*
Merritt Hydraulics Co. (Priestman"), 110 N Broad, Phila., Pa.
Monarch Valve Co. ("Monarch" Rotary), 112 Front, B'klyn, N. Y.
Morris Machine Works, Baldwinsville, N. Y.
**MYERS F. E. & BRO.** ("Myers" Low Down), 900 Fourth, Ashland, O.
*See adv index at end of book*
National Marine Lamp Co., Forestville, Conn.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*
Platt Iron Works Co., Dayton, O.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Rumsey Pump Co. (Ltd.), (Ships, Main & Bilge), Box J, Seneca Falls, N. Y.
Sands Alfred B. & Son Co., 20 Vesey, N. Y.
Sharlow Bros. Co., 442 W 42d, New York
Steam John J. (Spiral & Straight Seam), 30 Clay, Brooklyn, N. Y.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Trimount Rotary Power Co. ("Trimount" Rotary Hand), 18 Heath, Boston Mass.
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Wilcox, Crittenden & Co., Inc. ("Pequot" Power Driven & "Nutmeg"), Middletown, Conn.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*
Yeomans Bros. Co. ("Yeomans" Automatic Electric), 1433 Dayton, Chicago, Ill.

## 11810—Pumps (Boiler Feed)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works (Single Stage, Duplex Type, Steam Turbine Driven), Aurora, Ill.
Berry Engineering Co. ("Berry"), Chester, Pa.
Binghamton Mach. Works, Binghamton, N. Y.
Bishop's Wm. Sons (Brass & Copper), 18 N. Y.
Blake Pump & Condenser Co. ("Duplex" & Single), Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts, Porter & Co. (Double Plunger), Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson Co., 2301 Center av, Cleveland, O.
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Charleston Iron Works, Charleston, S. C.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*
Clot E. Mach. Wks., 940 Bryant, San Francisco, Cal.
Connor W. B., Inc., 90 West, New York
Coppus Engng. & Equipment Co., Worcester, Mass.
Crawford & McCrimmon Co., Brazil, Ind
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Decatur Pump & Mfg. Co., Decatur, Ill.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.** (Hand and Power), Salem, O. *See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Dubois Iron Works, Dubois, Pa.
Epping-Carpenter Pump Co., ft. 43rd, Pittsburgh, Pa.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Evans C. H. & Co. ("Thomson & Evans"). 187 Fremont, San Francisco, Cal.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill
Farrar Pump & Machinery Co., Granite bldg, St. Louis, Mo.

PUMPS (BOILER FEED)—continued

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

**GARDNER GOVERNOR CO.,** 23 Williamson, Quincy, Ill.
*See adv index at end of book*

Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*

Great Lakes Engineering Works, Real Estate Exchange bld, Detroit, Mich.

Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.

Jamieson M. W. & Co., Warren, Pa.

Kruger & Blind Co., 511 Master, Phila., Pa.

Lucey Manufacturing Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*

Luitwieler Pumping Engine Co., Rochester, N. Y.

**McGOWAN JNO. H. CO.,** Fourth Nat'l Bank bldg, Cincinnati, O.
*See adv index at end of book*

Built on the interchangeable system under the same rules of inspection inaugurated by the U. S. Shipping Board in the production of pumps for the Emergency Fleet. All pumps are guaranteed to perform the service recommended of them and against any defects arising during term of guarantee.

**The John H. McGowan Co.**
**4th Nat'l Bank Bldg.**
**Cincinnati, O.**


Manistee Iron Works Co., Manistee, Mich.

Midwest Engine Co., Indianapolis, Ind.

Moffatt Machinery Mfg. Co., Charlotte, N. C.

Myers F. E. & Bro. ("Myers"), 900 Fourth, Ashland, Ohio
*See adv index at end of book*

Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.

National Foundry & Machine Co., Louisville, Ky.

National Steam Pump Co., Upper Sandusky, O.

**NATIONAL TRANSIT PUMP & MACHINE CO.,** Oil City, Pa.
*See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.

Noye Bros. Co. (Run by Belt), Buffalo, N. Y.

Oil Well Supply Co., 215 Water, Pittsburgh, Pa.

Oram John S. Co., 1316 E 53rd, Cleveland, Ohio

Patterson-Kelly Co., 26 Cortlandt, New York

Pattin Bros. Co., Marietta, O.

Platt Iron Works Co. (Either Single, Duplex, Compound Triplex or Fly Wheel), Dayton, O.

Pratt & Cady Co., Inc., Hartford, Conn.

Pratt Engineering & Machine Co., Atlanta, Ga.

Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.

Reliance Machine & Tool Works ("Hooker"), Channing & Franklin avs, St. Louis, Mo.

Rock River Machine Co., Janesville, Wis.

Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.

Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.

Scranton Pump Co., Scranton, Pa.

Stewart Heater Co., N Tonawanda, N. Y.

Trahern Pump Co. (On Bed Plate), Rockford, Ill.

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

Union Steam Pump Co., Battle Creek, Mich.

Vogt Bros. Mfg. Co., Louisville, Ky.

Walsh & Weidner Boiler Co., Chattanooga, Tenn.

Warren Steam Pump Co., Warren, Mass.

Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.

Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.

**WESTINGHOUSE ELECTRIC & MFG. CO.** (Centrifugal), East Pittsburgh, Pa.
*See adv index at end of book*

Wheeler C. H. Mfg. Co., Lehigh & N 18th, Phila., Pa.

Wilson-Snyder Centrifugal Pump Co., 2 Ross, Pittsburgh, Pa.

Witt G. E. Co., 862 Howard, San Francisco, Cal.

Woodard Machine Co., Wooster, O.

**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## 11811—Pumps (Boiler Testing)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.

American Steam Pump Co., Battle Creek, Mich.

Ruckeye Iron & Brass Works (Hydraulic), Dayton, O.

Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*

Dake Engine Co., Grand Haven, Mich.

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

**DEMING CO.,** Salem, O.
*See adv index at end of book*

Douglas W. & B., Middletown, Conn.

Dudgeon Richard (Hydraulic), 24 Columbia, New York

Goulds Mfg. Co., 71 W Fall, Seneca Falls N. Y. *See adv index at end of book*

Henderer's A. L. Sons, Wilmington, Del.

Hills, McCanna Co. (Inspector's & Hydrostatic), 2025 Elston av, Chicago, Ill..

Lovejoy Tool Works, 319 W Ohio, Chicago, Ill. *See adv index at end of book*

National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*

Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.

## 11812— Pumps (Bracket)

Davis-Hansen Co., Oshkosh, Wis.

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

## 11813— Pumps (Brass)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.

Barnes Mfg. Co., Mansfield, O.

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

Bishop's Wm. Sons, 18 James, New York

Bridgeport Brass Co., Bridgeport, Conn.

Brown, E. C., Co., Rochester, N. Y.

Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

**DE LAVAL STEAM TURBINE CO., (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*

**DEMING CO.** (Also Iron), Salem, O.
*See adv index at end of book*

Douglas W. & B., Middletown, Conn.

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Federal-Huber Co., 234 N Halsted, Chicago, Ill.

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*

Haydenville Co., Haydenville, Mass.

Humphryes Mfg. Co., Mansfield, O.

Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.

Lobee Pump & Machinery Co., East Buffalo, N. Y.

McDonald A. Y. Mfg. Co., Dubuque, Ia.

Midwest Engine Co., Indianapolis, Ind.

**Morris Machine Works, Baldwinsville, New York**

Myers F. E. & Bro., 900 Fourth, Ashland, O. *See adv index at end of book*

Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.

Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*

Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.

Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.

Union Steam Pump Co., Battle Creek, Mich.

Van Wie Pump Co., 715 W Fayette, Syracuse, N. Y.

Vogt Brothers Mfg. Co., Louisville, Ky.

## 11814— Pumps (Brewery)

See also Pumps, Steam

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.

Aldrich Pump Co., Allentown, Pa.

American Steam Pump Co., Battle Creek, Mich.

Automatic Electric Pump Co., Davenport, Ia.

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*

Davidson M. T. Co., 154 Nassau, New York

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*

Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.

Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*

Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*

Lobee Pump & Machinery Co., East Buffalo, N. Y.

McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*

Northwestern Copper & Brass Works, 59 W 3d, St. Paul, Minn.

Pulsometers Steam Pump Co., 220 W 42nd, New York

Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.

Taber Pump Co. ("Taber" Centrifugal), Buffalo, N. Y.

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

Vogt Bros. Mfg. Co., Louisville, Ky.

## 11815— Pumps (Brine)

See Also Pumps, Steam

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.

Aldrich Pump Co., Allentown, Pa.

American Steam Pump Co., Battle Creek, Mich.

American Well Works, Aurora, Ill.

Aterite M. H. Co., Inc., 55 John, New York

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*

Davidson M. T. Co., 154 Nassau, New York

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
*See adv index at end of book*

**DEMING CO.,** Salem, O.
*See adv index at end of book*

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*

Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*

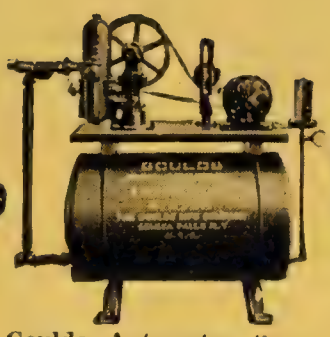
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.

Lobee Pump & Machinery Co., East Buffalo, N. Y.

McGowan, John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*

Fig. 1695
Outfit "N"

Fig. 3030



Goulds Autowater System (Outfit "X")

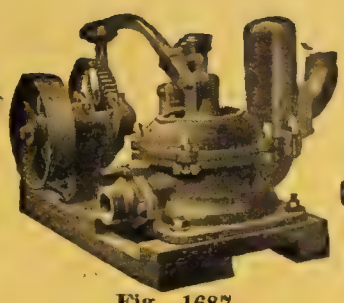


Fig. 1687

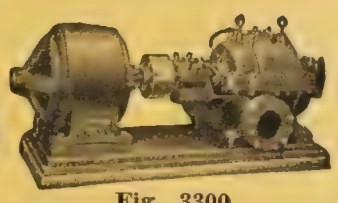


Fig. 3300

Fig. 1531
Form "Q" Drive

# GOULDS PUMPS
FOR EVERY SERVICE

# THE GOULDS MANUFACTURING CO.
## SENECA FALLS, N. Y.

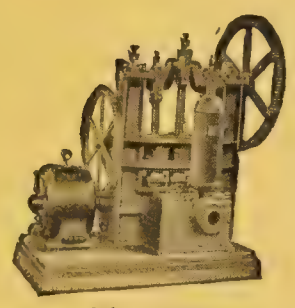


Fig. 1009
Form "C" Drive

Fig. 297½

**BRANCHES**

| | | | |
|---|---|---|---|
| Boston<br>58 Pearl St. | New York<br>16 Murray St. | Philadelphia<br>111 No. Third St. | Chicago<br>12-14 S. Clinton St. |
| Pittsburgh<br>636 Henry Woliver Bldg. | Atlanta<br>Citizens & Southern Bank Bldg. | Houston<br>1001 Carter Bldg. | Detroit<br>Dime Bank Bldg. |

## A Few of the Many Services for Which GOULDS PUMPS Are Built

- Feeding Boilers, Pumping Sumps
- Operating Hydraulic Elevators
- Municipal Water Works
- Refrigerating Systems
- House Service in Hotels, Apartment House and Office Buildings
- Handling Milk, Cider, Vinegar, Wines and Other Liquid Products
- Filling Thresher Tanks
- Overhead Sprinkler Systems
- Pneumatic and Gravity Water Supply Systems
- Tank Pumping in Mills, Bleacheries, Dyehouses, Tanneries, Refineries, Breweries, etc.
- Oil Pipe Lines
- Fire Service
- Irrigation
- Emptying and Filling Oil Tank Cars
- Handling Heavy Liquids, such as Tar, Soap, Mud, Tan Liquors, Chemicals, Sewage, etc.
- Circulating Brine
- Circulating Hot Water in Heating Systems
- Unwatering Mines
- Pumping Bilge
- Handling Pulp and Stuff in Paper Mills
- Pumping Size in Textile Mills
- Vacuum Heating Systems
- Booster Service
- Hydraulic and Filter Presses
- Pumping out Excavations

Being the world's largest manufacturers of pumps for *every service*, we are able to supply you with the best pump for *each* service, and to guarantee that pump to do satisfactorily the work for which we sell it.

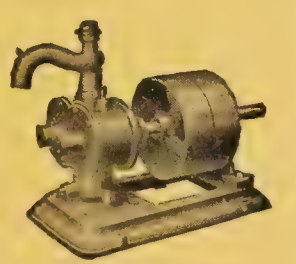


Fig. 1185½

Fig. 562

Fig. 345½

Fig. 3000

Fig. 1465

Fig. 205½

Fig. 1580

Fig. 1654

Fig. 1440

Fig. 1680

Fig. 1409

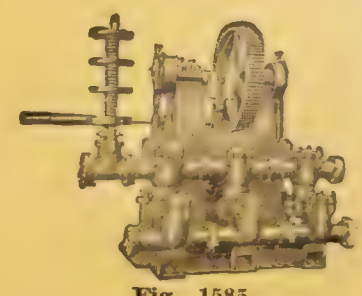
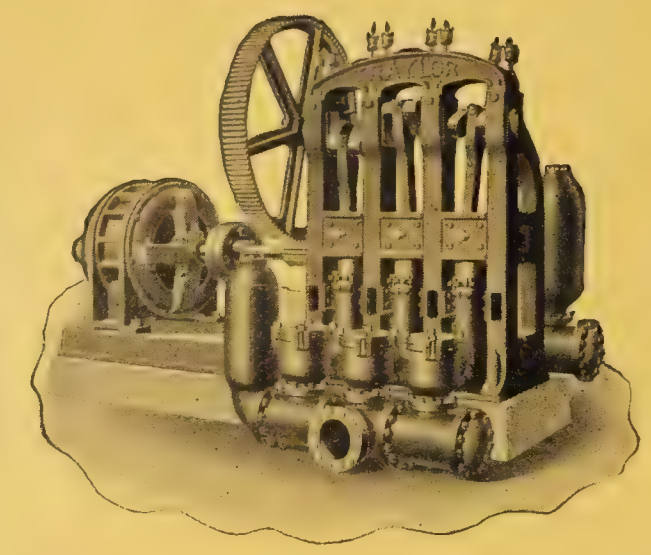
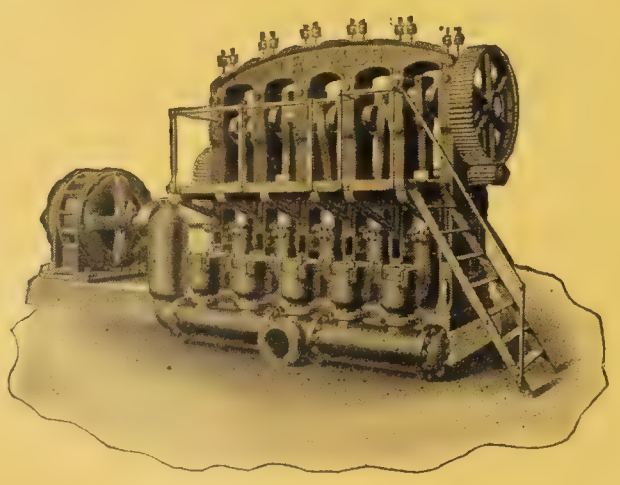


Fig. 1585

# TRAYLOR



The Traylor Superpumps are built in both the Triplex and Quintiplex types, and for pressures up to 10,000 lbs. and capacities up to 6,000 gal. per minute. Bulletin 101 is full of worthwhile data. You should have it.



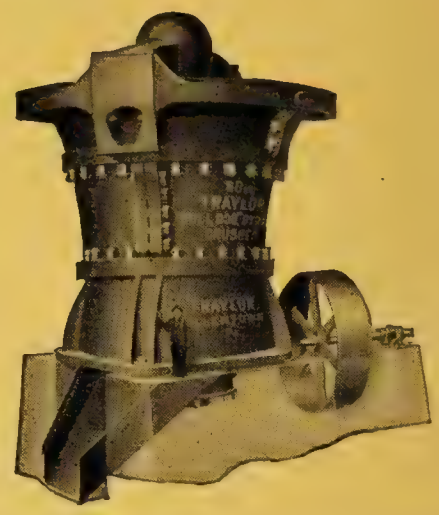
Traylor Heavy Duty Crushing Rolls do not corrugate nor flange. Sizes 18 in. x 10 in. up to 72 in. x 30 in., inclusive. Bulletin R-2 tells why.

**TRAYLOR ENG. & MFG. CO.**

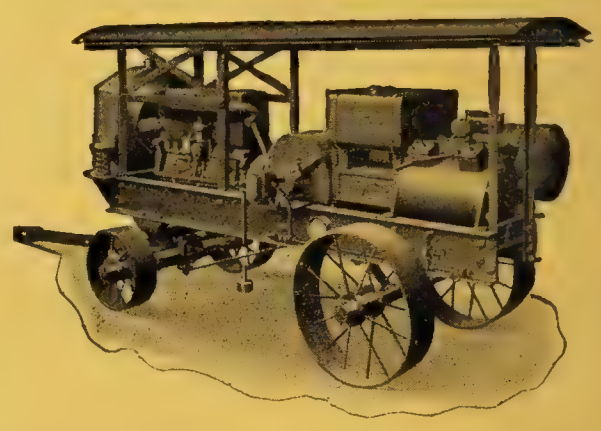
ALLENTOWN, PA.

NEW YORK
CHICAGO
PITTSBURGH
LOS ANGELES
SPOKANE

# TRAYLOR

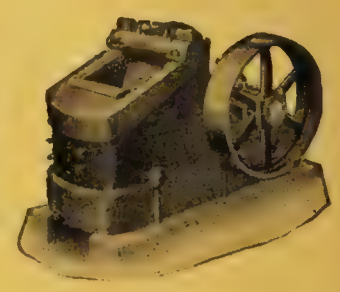


The Traylor Bulldog Gyratory Crusher with bend proof shaft made possible the largest stone crusher in the world. Built in sizes from 2½ in. up to 84 in. inclusive. Bulletin GX-1



Traylor Portable Compressors for mine and contractor are equipped with worm drive and are highly efficient. Gasoline, electric and steam driven. Bulletin 104.

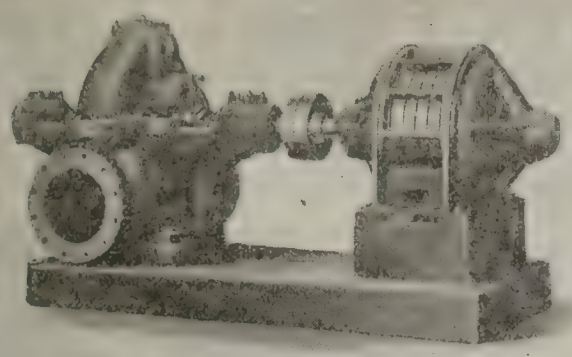
The Traylor Bulldog Jaw Crushers will meet all your requirements for a highly efficient and economical stone crusher. Sizes 7″ x 10″ to 84″ x 120″ inclusive. Bulletin JX-1 tells you why.



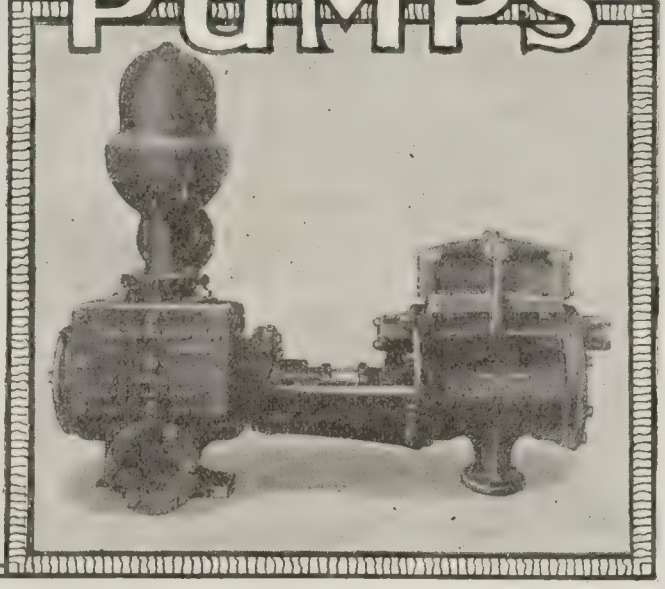
**TRAYLOR ENG. & MFG. CO.**

ALLENTOWN, PA.

NEW YORK
CHICAGO
PITTSBURGH
LOS ANGELES
SPOKANE



Progressive Industries Choose CAMERON PUMPS



For Service

Simplex Steam Pumps
Volute Centrifugal Pumps
Turbine Centrifugal Pumps

A. S. Cameron Steam Pump Works
11 Broadway, New York
Offices the World Over

Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn. *See adv index at end of book*
Platt Iron Works Co., Dayton, O.
Quimby Wm. E. (Circulating), 209 Parkhurst, Newark, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Corp., 115 B'way, New York *See adv index at end of book*

## 1816— Pumps (Bucket)

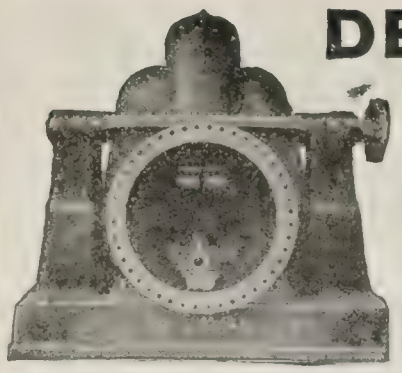
Albert Lea Sprayer Co., Albert Lea, Minn.
Biggs B. F. Pump Co. ("Boss"), Lafayette, Ind.
Brown, E. C., Co., Rochester, N. Y.
Butler Mfg. Co., Kansas City, Mo.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Cincinnati Pump Co., Liberty & Clay, Cincinnati, O.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Star Bucket Pump Co. ("Star"), 1218 N 15th, St. Louis, Mo.

## 1817— Pumps (Cam)

Duitwieler Pumping Engine Co., Rochester, N. Y.
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn. *See adv index at end of book*
Trimount Rotary Power Co. ("Trimount" Rotary), 18 Heath, Boston, Mass.

## 1818— Pumps (Centrifugal)

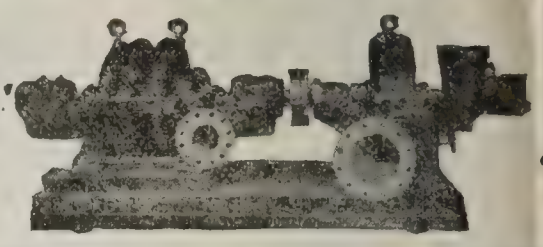
Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
**ALBERGER PUMP & CONDENSER CO.** (Steam or Motor Driven), 140 Cedar, New York
Allis-Chalmers Mfg. Co. (Multistage High Lift), Milwaukee, Wis.
American Steam Pump Co., Battle Creek, Mich.
American Well Works ("American" Steam Turbine Driven), Aurora, Ill.
Appleton Machine Co., Appleton, Wis.
Atlas Engng. Co., 3009 Lisbon av, Milwaukee, Wis.
Barnes Mfg. Co., Mansfield, O.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Bean Spray Pump Co., San Jose, Cal.
Black-Clawson Co., Hamilton, O.
Bowser S. F. & Co., Fort Wayne, Ind.
Bucyrus Co. (Dredging), S Milwaukee, Wis.
Buffalo Steam Pump Co., Buffalo, N. Y.
Burroughs Chas. Co., 141 Commerce, Newark, N. J. *See adv index at end of book*
**BYRON JACKSON IRON WORKS**, Sharon bldg, San Francisco, Cal. *See adv index at end of book*
C. H. & E. Mfg. Co. ("C. H. & E." Mounted Complete, Direct Connected), 384 Clinton, Milwaukee, Wis.
Camden Iron Works, Camden, N. J.
**CAMERON A. S. STEAM PUMP WORKS**, Bowling Green bldg, New York *See adv index at end of book*
Centrifugal Pump Co., 434 Canal, New York
Channon H. Co. ("Channon"), 150 N Market, Chicago, Ill.
Charleston Iron Works, Charleston, S. C.
Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*
Clot E. Machine Wks., 940 Bryant, San Francisco, Cal.
Coppus Engineering & Equipment Co., (High Pressure), Worcester, Mass.
Davis-Johnson Mfg. Co., 4811 W Jackson, Chicago, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J. *See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Duriron Castings Co. ("Duriron" Acid Metal), Dayton, O.
D'Oiler Centrifugal Pump & Machine Co., 1421 Chestnut, Phila., Pa.
Earle Gear & Machine Co., Stenton & Wyoming avs, Philadelphia, Pa.
Economy Pumping Machinery Co. (Belted or Electric Driven), 122 Curtis, Chicago, Ill.
**ELLICOTT MACHINE CORP.**, 1111 Bush, Baltimore, Md. *See adv index at end of book*
Elmore, G. H. (Acid-Proof), Market & 13th, Phila., Pa.
Emerson Mfg. Co., Lawrence, Mass.
**ERIE PUMP & ENGINE WORKS, INC.** ("Erie"), 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Frederick Iron & Steel Co., Frederick, Ind.
Fresno Agricultural Works, Fresno, Cal.
Fulton Mach. & Vise Co. ("Fulton," Belt & Motor Driven), Lowville, N. Y.
Galena Iron Works Corp., Galena, Ill.
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Georgia Iron Works (Mining), Augusta, Ga.
**GOULDS MFG. CO.**, 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Great Lakes Engineering Works (Large Capacity), Real Estate Exchange bldg, Detroit, Mich.
Greaves Specialty Co., 44 E 23d, New York
Haslehurst W. W., 2122 Folsom, San Francisco, Cal.
Humphryes Mfg. Co., Mansfield, O.
Hunt Rodney Machine Co., Orange, Mass.
Imperial Brass Mfg. Co. (Circulating), 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Jackson, Byron Iron Works, Berkeley, Cal.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kansas City Hay Press Co. ("Lightning"), Kansas City, Mo.



# DE LAVAL CENTRIFUGAL PUMPS

are built for all capacities, all heads, and all classes of service. They are made both single-stage and multi-stage and with horizontal and vertical shafts. They are so constructed that all internal parts are accessible for inspection or replacement upon lifting the casing cover and without disturbing suction or discharge connections.

All parts subject to wear are made to limit gages on an interchangeable basis and are quickly and easily renewable. Efficiencies are guaranteed, and every pump is tested at the factory and a copy of the test report is supplied to the purchaser.



**De Laval Steam Turbine Co., East Trenton, N.J.**


PUMPS (CENTRIFUGAL)—continued

**KEYSTONE DRILLER CO.** ("Downnie"), Beaver Falls, Pa.
*See adv index at end of book*

Keystone Iron Works, 37th & Santa Fe av, Los Angeles, Cal.

Kiefer Karl Machine Co. **(Bronze), 919** Martin, Cincinnati, O.

Kingsford Foundry & Machine Works, Oswego, N. Y.

Krogh Pump & Machy. Co., 147 Beale, San Francisco, Cal.

**LAWRENCE MACHINE CO.** ("Lawrence" Single & Multi-Stage, Direct Connected), 42 Island, Lawrence, Mass.
*See adv index at end of book*

**Lawrence Pump & Engine Co. ("Vortex," Single & Multiple Stage Electric, Engine & Belt Driven), Lawrence, Mass.**

Layne & Bowler Corp. ("Layne"), 900 Santa Fe av, Los Angeles, Cal.
*See adv index at end of book*

Lea-Courtenay Co., 5 Main, Newark, N. J.

Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.

Lobee Pump & Machinery Co., East Buffalo, N. Y.

Lloyd A., Erie, Pa.

Lucey Manufacturing Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*

Maine Iron Works, 2036 Dominick, Chicago, Ill.

Manistee Iron Works Co. ("Roturbo"), Manistee, Mich.

Mann Corp. ("Manco"), 72 W Adams, Chicago, Ill.

Meese & Gottfried Co. ("Butters"), 660 Mission, San Francisco, Cal.

Midwest Engine Co. (Vertical Thrust), Indianapolis, Ind.

Mills Machine Co., Lawrence, Mass.

Moore & White Co., N 15th & Lehigh, Phila., Pa.

Morris I. P. Co., Richmond & Norris, Phila., Pa.

**Morris Machine Works, Baldwinsville, N. Y.**

Nash Engineering Co., South Norwalk, Conn.

Norbom Engng. Co., Denckla bldg, Phila., Pa.

**Novo Engine Co., Lansing, Mich**

Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 West 42d st, New York

**Patterson Foundry & Machine Co., East Liverpool, O.**

Platt Iron Works Co., Dayton, O.

**Plant Engineering & Equipment Co., Inc.,** 11 John, New York

Polton Water Wheel Co., 19th & Harrison, San Francisco, Cal.

**Portage Lake Foundry & Machine Co. (For Mines), Hancock, Mich.**

Potts C. & A. & Co., Indianapolis, Ind.

Price G. W. Pump & Engine Co., 33 Stevenson, San Francisco, Cal.

Quimby, Wm. E., Inc., 209 Parkhurst, Newark, N. J.

Quintard Iron Works Co., 742 E 12th, New York

Reliance Machine & Tool Works, Channing & Franklin avs, St. Louis, Mo.

Rider-Ericsson Engine Co. ("Recco," Electric), 20 Murray, New York

**Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.**

Samson Iron Works ("Samson"), Stockton, Cal.

San Antonio Machine & Supply Co. ("Samsco"), San Antonio, Tex.

San Diego Machine Co., San Diego, Cal.

Schramm Chris D. & Son, Inc. (On Hand Trucks), 709 Arch, Phila., Pa.

**Scranton Pump Co., Scranton, Pa.**

Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.

Smith T. L. Co. ("Smith"), 1151 32nd, Milwaukee, Wis.

Strait H. N. Mfg. Co., Kansas City, Kans.

**SWABY MFG. CO.,** 2010 Marshall blvd. Chicago, Ill.

Termaat & Monahan Mfg. Co. (Gasoline or Kerosene Direct Connected), Oshkosh, Wis.

**Tips Foundry & Machine Co., Austin, Tex.**

Toledo Foundry & Machine Co. (Sand), Toledo, O.

**Union Steam Pump Co., Battle Creek, Mich.**

United Iron Works ("Eclipse" & Step Pressure), Oakland, Cal.

United Iron Works Co. ("United"), Kansas City, Mo.

Van Wie Pump Co., 715 W Fayette, Syracuse, N. Y.

**Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.**

**WESTINGHOUSE ELECTRIC & MFG. CO,** (High & Low Head), East Pittsburgh, Pa. *See adv index at end of book*

**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler"), Carteret, N. J.
*See adv index at end of book*


## CENTRIFUGAL PUMPS

Wheeler Centrifugal Pumps are built in all sizes for all purposes. They are of the latest horizontal split-casing high-efficiency bronze-fitted construction. We make all kinds of condensing equipment.

**WHEELER CONDENSER & ENGINEERING CO.**
Carteret, New Jersey


Wilson-Snyder Centrifugal Pump Co., 2 Ross, Pittsburgh, Pa.

**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

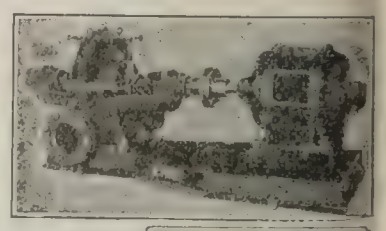
Yoemans Bros. Co., 1433 Dayton, Chicago, Ill.

**YUBA MANUFACTURING CO.,** Marysville, Cal., & 433 California, San Francisco, Cal.

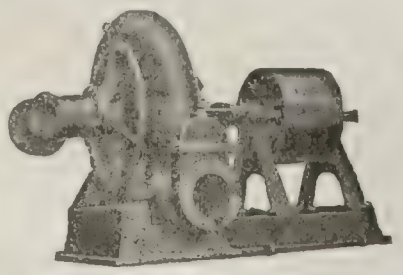
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

Zin-ho Mfg. Co., 1323 S Michigan, Chicago, Ill.

# ERIE
## CENTRIFUGAL PUMPS



**For belt drive, Motor drive or Turbine drive. Give excellent results for all types of service. They are furnished in Iron or Bronze when necessary for resisting the acids found in mines and like service.**



## CENTRIFUGAL DREDGING PUMPS

**For dredging sand and gravel, pumping coal, sewage refuse from sugar mills, etc. These pumps can be furnished direct connected to steam or gasoline engines or for belt drive as required. Give full information as to vertical lift with length and size of pipe line if possible when writing about these pumps.**

**ERIE PUMP & ENGINE WORKS, INC.**
**141 GLENWOOD AVENUE** **MEDINA, N. Y.**

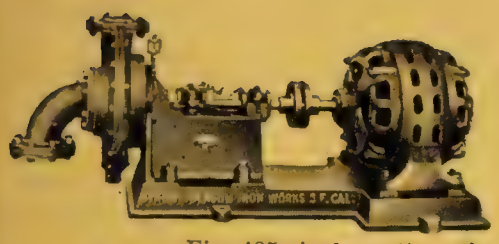
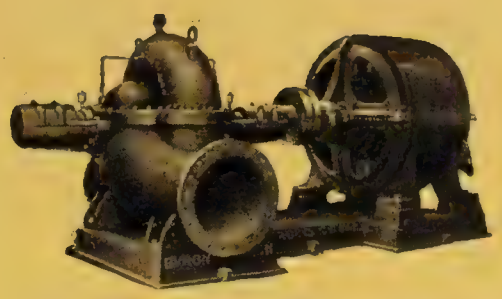


Fig. 425 single suction, direct connected pumps with outboard ring oil bearings only; built in sizes from ¾″ to 8″, for operation on heads up to 125′.



Type "S" horizontal split case, single stage pumps built in sizes from 3 to 20 inch for varying capacities and for heads up to 350′.

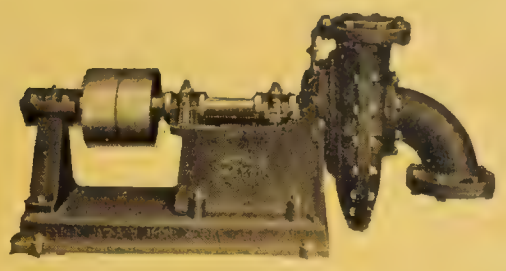


Fig. 475 single suction, heavy duty belted pumps, with outboard ring oil bearings only; built in sizes from 2″ to 8″; for operation on heads up to 125′.

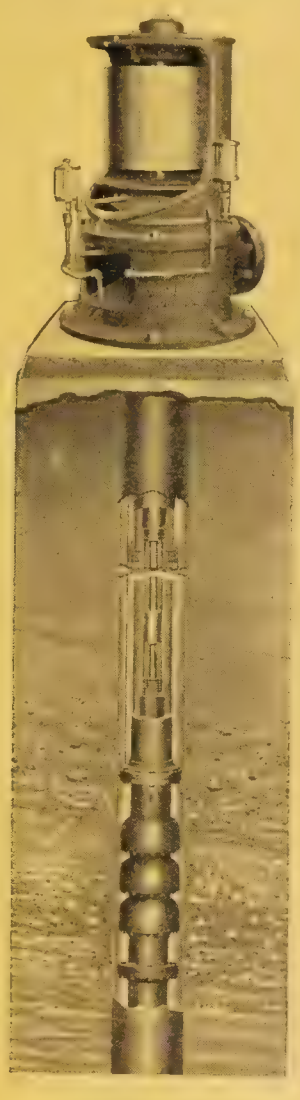
Fig. 450 Vertical Pumps, built in sizes from 2″ to 20″; mounted in steel or wood frame for belt drive, and in steel frame for direct connection to electric motor. Pumps can be furnished single or multi-stage for any depth of pit or any desired condition of head and capacity.

# CENTRIFUGAL AND DEEPWELL TURBINE PUMPS

## In a Range of Types and Sizes to Meet Any Requirements

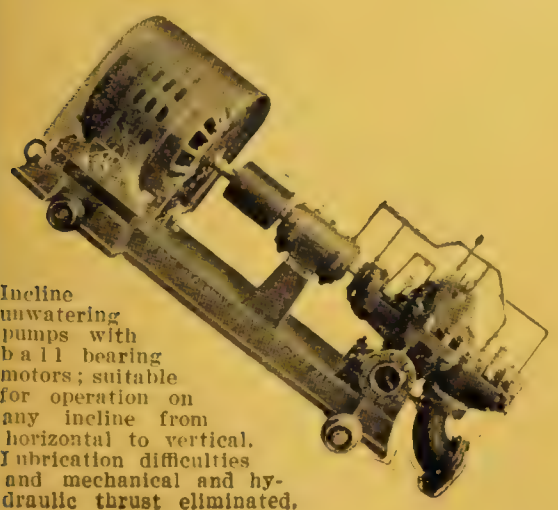
### PUMPS FOR

- Irrigation
- Reclamation
- Drainage
- Municipal Pumping Plants
- Fire Service
- Condenser
- Circulation
- Boiler Feed
- Acids
- Chemicals
- Paper Mills
- Pulp Mills
- Sugar Mills
- Sprinklers
- Sumps
- Sand
- Gravel
- Rock
- Slimes
- Sewage
- Tailings
- DRY DOCKS
- MINES
  - Dewatering
  - (Vertical or Incline)
  - Station
  - Hydraulic
  - Placer
- PRESSURE
  - High Head
  - Elevator
  - Pressure Main
  - Series Turbine
- DEEP WELL
  - Turbine Pumps
  - (Belted or Direct Connected to Electric Motor)
  - Irrigation
  - City Water Works
  - Public Buildings
  - Hotels



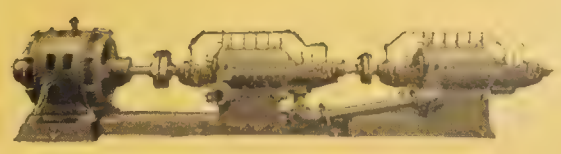
Deepwell Turbine Pumps suitable for installation in bored wells 10″ diameter and larger, for capacities of from 200 to 6000 gallons per minute. Setting of pump bowls should be at water level when pumping. Any desired length of column can be furnished.

# BYRON JACKSON IRON WORKS
## SAN FRANCISCO, CAL.



Incline unwatering pumps with ball bearing motors; suitable for operation on any incline from horizontal to vertical. Lubrication difficulties and mechanical and hydraulic thrust eliminated.

Large Type "S" split case, single stage pumps, in sizes up to 60″, for irrigation, reclamation, drainage, municipal water works and all high class service requiring continuous operation.



High pressure mine station or Water Works pumps built for any capacity and for heads up to 2000′ Can be operated direct connected to electric motor or steam turbines, and through gears by steam or oil engines.

# VACUUM PUMPS
## ROTARY AIR COMPRESSORS

### Products

ROTARY AIR COMPRESSORS
VACUUM PUMPS
ACID-RESISTING PUMPS
HEAVY LIQUID PUMPS

Also Positive Pressure Blowers, Pump for Heating Plants and Filter Presses.
See Announcement in this volume of Abbe Engineering Company for
PULVERIZING MILLS
ROTARY CUTTERS
DISINTEGRATORS

### Rotary Air Compressors

These compressors are for all purposes requiring air pressure —gas and oil furnaces, agitating liquids, atomizing, glass blowing, laundries, etc. They give a direct, nonpulsating supply of air without the use of air receivers of any kind.

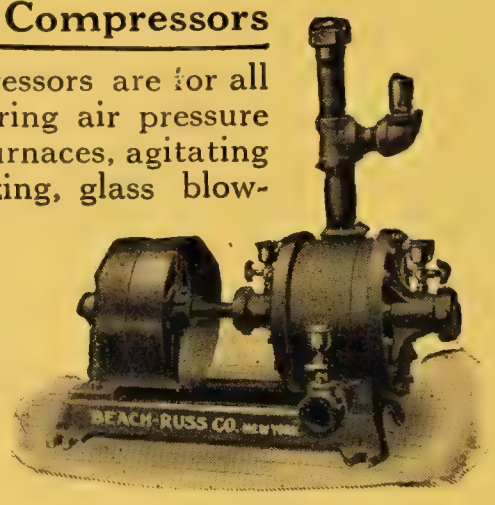



Fig. 1

### Single Stage Vacuum Pumps

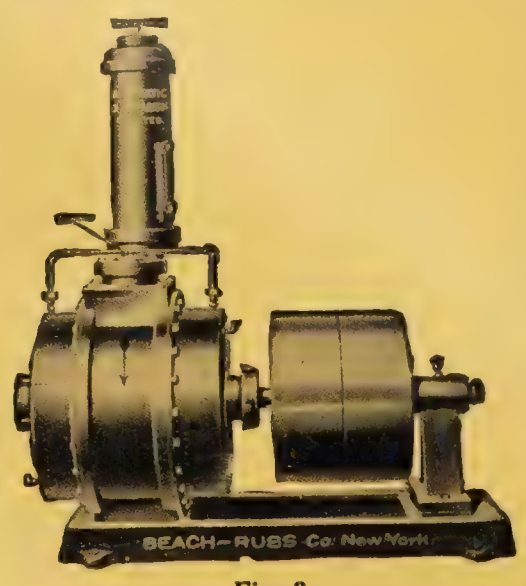



Fig. 2

These pumps (Fig. 2) may be used for all purposes where a vacuum up to 28 in. (711 mm.) is required. They are built in the same capacities as the Beach-Russ Rotary Air Compressors.

### Compound High Duty Vacuum Pumps

Guaranteed to exhaust to within 1/10″ of the barometer.

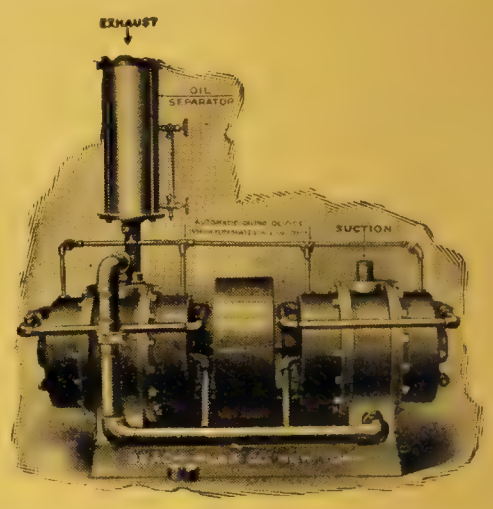
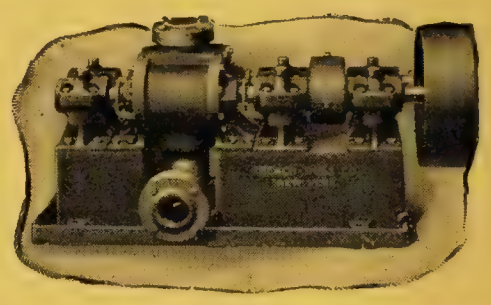



Fig. 4

These pumps (Fig. 4) were awarded the gold medal at the Panama-Pacific Exposition. They are simple in construction and silent in operation, have no gears or complicated parts, take up little room and have low power consumption per unit volume of air displaced.

USES — These pumps can be used to advantage in distilling, incandescent lamp exhausting, preserved food sealing, vacuum bottle manufacturing, vacuum heating, liquid transferring and many other operations. They are especially useful in laboratories.

### Heavy Liquid Pumps



These pumps (Fig. 5) are designed for pumping coal tar products, oils, greases, paints, varnish and other liquids of high viscosity.

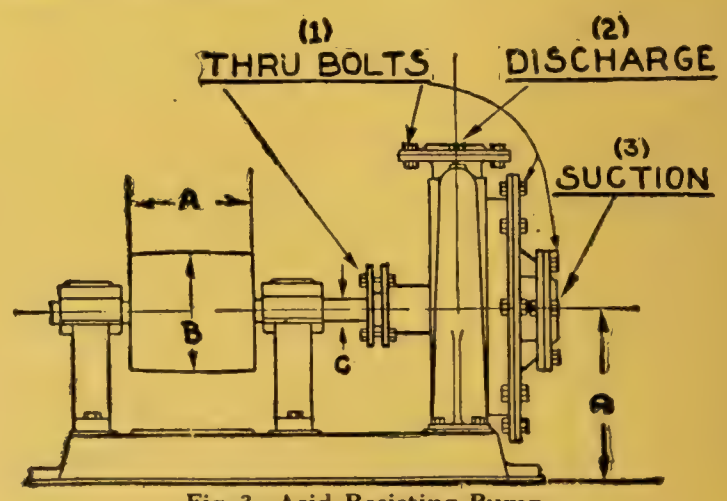
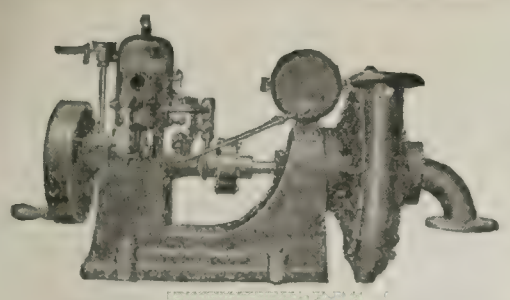



Fig. 3—Acid Resisting Pump

Telephones Cortland 54 55 56

**BEACH-RUSS CO.**
216-224 Broadway New York

Factories
Brooklyn, N. Y.



## LAWRENCE CENTRIFUGAL PUMPS

are built for all classes of service, all capacities, and all heads. They are built both single-stage and multi-stage and with vertical and horizontal shafts, and are so constructed that all internal parts are accessible for inspection or replacement upon lifting the casing cover, and without disturbing discharge or suction connections. All parts subject to wear are made to limit gages, on an interchangeable basis, and are easily and quickly renewable.

Efficiencies are guaranteed. Pumps for specific conditions are tested before leaving the factory, and when requested purchaser is supplied with copy of test report.

LAWRENCE MACHINE CO.

42 Island St. Lawrence, Mass.


### 11819—Pumps (Centrifugal, Deep Well)

**Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.**
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
**Erie Pump & Engine Works, Inc., 141** Glenwood av, Medina, N. Y.
*See adv index at end of book*
**KEYSTONE DRILLER CO. ("Downie"),** Beaver Falls, Pa.
*See adv index at end of book*
San Diego Machine Co., San Diego, Cal.

### 11820—Pumps (Centrifugal, Water Tank)

**Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.**
American Well Works, Aurora, Ill.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Brown & Sharpe Mfg. Co., Providence, R. I.
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francsico, Cal.
*See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**Erie Pump & Engine Works, Inc., 141** Glenwood av, Medina, N. Y.
*See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Lawrence Machine Co. ("Lawrence"), 42 Island, Lawrence, Mass.
*See adv index at end of book*
**HOPEDALE MFG. CO.** Roper Dept. ("Roco"), Milford, Mass.
San Diego Machine Co., San Diego, Cal.

### 11821— Pumps (Chain)

**Biggs B. F. Pump Co. ("Biggs Noiseless),** Lafayette, Ind.
Bushnell Pump Co., Bushnell, Ill.
Butler Mfg. Co., Kansas City, Mo.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Ferguson Mfg. Co. ("Kegler" Anti-Freezing), Dubuque, Ia.
Pfender Bros., Evansville, Ind.
Rich Pump Co., South & Depot, Cincinnati, O.
Star Bucket Pump Co., 1218 N 15th, St. Louis, Mo.
**Temple Mfg. Co., N 22d & S 54th, Chicago, Ill.**
Ward Pump Co. ("Ward"), Rockford, Ill.
Wyckoff A. & Son Co., Elmira, N. Y.

### 11822—Pumps (Chemical Plant)

Aldrich Pump Co., Allentown, Pa.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Johnson John Co., 203 37th, B'klyn, N. Y.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Midwest Engine Co., Indianapolis, Ind.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
**NORTHERN FIRE APPARATUS CO.,** 2422 Univ. av, S. E., Minneapolis, Minn. *See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Wallace & Tiernan Co., Inc. (For Chlorine Solution), 349 B'way, New York

### 11823— Pumps (Circulating)

**Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.**
American Steam Pump Co., Battle Creek, Mich.
American Well Works (Steam Turbine Driven), Aurora, Ill.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**Bowser S. F. & Co., Ft. Wayne, Ind.**
**Brennan Motor Mfg. Co., Syracuse, N. Y.**
Brown & Sharpe Mfg. Co., Providence, R. I.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byrne Kingston & Co. ("Kingston"), Kokomo, Ind.
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francsico, Cal.
*See adv index at end of book*
Camden Iron Works, Camden, N. J.
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*
**Cincinnati Lubricant Pump Co., Blanchester, O.**
Connor W. B., Inc., 90 West, New York
Crestline Mfg. Co. ("Crestline"), Crestline, Ohio
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO.,** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Dubois Iron Works, Dubois, Pa.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Essex G. B. Brass Co., 480 Franklin, Detroit, Mich.**
Evans C. H. & Co. ("Thomas & Evans" Combined Air & Circulating), 189 Fremont, San Francsico, Cal.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
**GOULDS MFG. CO.,** 71 W Fall, Seneca Falls, New York
*See adv index at end of book*
Hopedale Mfg. Co. Roper Dept. ("Roco"), Milford, Mass.
Humphryes Mfg. Co., Mansfield, O.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kingsford Foundry & Machine Works, Owego, N. Y.
*See adv index at end of book*
**LAWRENCE MACHINE CO.** ("Lawrence" Centrifugal), 42 Island, Lawrence, Mass. *See adv index at end of book*
Lipman Refrigerator Co. & Mfg. Co., Beloit, Wis.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
Luitwieler Pumping Engine Co., Rochester, N. Y.
McGowan, John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
**Midwest Engine Co., Indianapolis, Ind.**
Milwaukee Auto Engine & Supply Co., 841 29th, Milwaukee, Wis.
Milwaukee Motor Sales Co., 1802 North av, Milwaukee, Wis.
Morris Machine Works, Baldwinsville, N. Y.
Myers F. E. & Bro. ("Myers"), 900 Fourth, Ashland, O. *See adv index at end of book*
**National Transit Pump & Machine Co., Oil** City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Peters Mach. & Mfg. Co. ("Viking" Oil Circulating for Automobiles), 7320 Madison av, Cleveland, O.
Platt Iron Works Co. (Air & Circulating), Dayton, O.
Quimby Wm. E., Inc., 204 Parkhurst, Newark, N. J.
Twinvolute Pump & Mfg. Co., ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Woodard Machine Co., Wooster, O.
**WORTHINGTON PUMP & MACHY. CORP.** (Air & Circulating Combined), 115 B'way, New York
*See adv index at end of book*

### 11824— Pumps (Cistern)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aermotor Co., 2500 W 12th, Chicago, Ill. cago, Ill.
Althouse-Wheeler Co. (Close Top, Pitcher Spout), Waupun, Wis.
Athol Pump Co., Athol, Mass.
Barnes Mfg. Co., Mansfield, O.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Beckman Bros. ("B-B"), Des Moines, Ia.
Biggs B. F. Pump Co. ("Biggs"), Lafayette, Ind.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Columbiana Pump Co., Columbiana, O.
Crestline Mfg. Co., Crestline, O.
Davis-Hansen Co., Oshkosh, Wis.
Decatur Pump & Mfg. Co., Decatur, Ill.
**DEMING CO.,** Salem, O.
*See adv index at end of book*

PUMPS (CISTERN)—continued

Dempster Mfg. & Supply Co., Des Moines, Ia.
Douglas W. & B., Middletown, Conn.
**Economy Pumping Machy. Co., 122 Curtis, Chicago, Ill.**
Field & Shorb Co. ("F. & S. Ideal"), Decatur, Ill.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
**Fort Wayne Engng. & Mfg. Co., Fort Wayne, Ind.**
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Garrison Brass & Machine Works, 107 W 13th, New York
Goulds Mfg. Co., 71 W Fall, Seneca Falls, **N. Y.** ***See adv index at end of book***
Hayes Pump & Painter Co., Galva, Ill.
Hess, Snyder Co. ("Novelty"), Massillon, O.
Humphryes Mfg. Co., Mansfield, O.
Love M. A. Mfg. Co. (Force, etc), Rockford, Ill.
**MYERS F. E. & BRO. ("Myers") Cog** Gear, 900 Fourth, Ashland, O.
*See adv index at end of book*
Peters Pump Co., Kewanee, Ill.
Rumsey Pump Co. (Ltd.),, Box J, Seneca Falls, N. Y.
Trahern Pump Co., Rockford, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
**Ward Pump Co. (Force, etc), Rockford,** Ill.
**Wilder, Sidney & Co., Holliston, Mass.**
**Wistrand Mfg. Co. ("Blue Star"), Galva, Ill.**

## 11825—Pumps (Combined Air & Circulating)

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Vogt Brothers Mfg. Co., Louisville, Ky.
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 11826— *Pumps (Compound)

**McGOWAN, JOHN H. CO.,** Fourth Nat'l Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*

## 11827—Pumps (Compression Tank)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
**BEACH-RUSS CO.,** 216-224 B'way, New York .*See adv index at end of book*
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**MYERS F. E. & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn.
*See adv index at end of book*

## 11828—Pumps (Condensation)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Machine & Mfg. Co., Atlanta, Ga.
American Steam Pump Co., Battle Creek, Mich.
**BEACH-RUSS CO.,** (With Receivers), 216-224 B'way, New York
*See adv index at end of book*
Chicago Pump Co. ("Chic," Automatic Electric), 2342 Wolfram, Chicago, Ill.
*See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. (Dayton-Dowd), Quincy, Ill.

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Decatur Pump & Mfg. Co., Decatur, Ill.
Dubois Iron Works, Dubois, Pa.
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
McGowan, John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Quimby Wm. E. Inc., 209 Parkhurst, Newark, N. J.
*See adv index at end of book*

## Pumps (Condenser)

See Condensers, Steam

## 11829—Pumps (Contractors', for Sewers & Foundations)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Cement Machine Co., Keokuk, Ia.
American Well Works, Aurora, Ill.
C. H. & E. Mfg. Co. ("C H & E." Portable Driven Bilge), 384 Clinton, Milwaukee, Wis.
**CAMERON A. S STEAM PUMP WORKS** (Sewers, Foundations & Subways), Bowling Green bldg, New York
*See adv index at end of book*
Channon Jas. H. Mfg. Co. ("Union," Diaphragm Trench & Combined Pump & Engine, &c.), 227 W Erie, Chicago, Ill.
Dean Bros Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
**ELLICOTT MACHINE CORP.,** 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Emerson Pump & Valve Co., Alexandria, Va.
**ERIE PUMP & ENGINE WORKS, INC.** ("Erie"), 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
Fairbanks, Morse & Co., (Diaphragm Trench) 900 S. Wabash av, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Garrison Brass & Machine Wks., 107 W 13th, New York
**GOULDS MFG. CO., 71 W Fall, Seneca,** Falls, N. Y. *See adv index at end of book*
Humphryes Mfg. Co. (Porcelain Enameled), Mansfield, O.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Laughlin Thos. Co., Portland, Me.
**LAWRENCE MACHINE CO.** ("Lawrence" Centrifugal, Gas, Steam or Motor Driven), 42 Island, Lawrence, Mass.
*See adv index at end of book*
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, New York
**MYERS F. E. & BRO.** ("Myers" Low Down), 900 4th, Ashland, O.
*See adv index at end of book*
Nye Steam Pump & Machinery Co., 701 N Western av, Chicago, Ill.
Parker A. A. (Mud, Sand, etc), Waterford, N. Y.
Pulsometer Steam Pump Co., 220 W 42nd, New York
**Rumsey Pump Co. (Ltd.) Box J, Seneca** Falls, N. Y.
Schramm, Chris & Son, Inc., 709 Arch, Phila., Pa.
Union Steam Pump Co., Battle Creek, Mich.
Van Wie Pump Co., 715 W Fayette, Syracuse, N. Y.
Waldo Bros. & Bond Co. ("Atlantic" Portable), 181 Congress, Boston, Mass.
**Zin-ho Mfg. Co., 1323 S Michigan av, Chicago, Ill.**

## 11830-1— Pumps (Copper)

Athol Pump Co., Athol, Mass.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Brown E. C. Co., Rochester, N. Y.
**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Morris Machine Works, Baldwinsville, Neew York
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
*See adv index at end of book*
**Sands Alfred B. & Son Co., 20 Vesey,** New York
**Wilder, Sidney & Co. (Force), Holliston,** Mass.

## 11832— Pumps (Cornish)

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Griffith & Wedge Co., Zanesville, O.
Hendy Joshua Iron Works, 75 Fremont, **San Francisco, Cal.**
**Portage Lake Foundry & Machine Co.,** Hancock, Mich.
**Union Iron Works Co., 20th & Michigan, San Francisco, Cal.**

## 11832a—Pumps (Cotton Seed Oil)

Aldrich Pump Co., Allentown, Pa.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**DE LAVAL STEAM TURBINE CO. (Centrifugal) East Trenton, N. J.**
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11833—Pumps (Crank & Fly Wheel)

**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**
Evans C. H. & Co., 189 Fremont, San Francisco, Cal.
**GUILD & GARRISON** (Fly Wheel), 463 Kent av, Brooklyn, N. Y.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
Midwest Engine Co., Indianapolis, Ind.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*

## 11834— Pumps (Creamery)

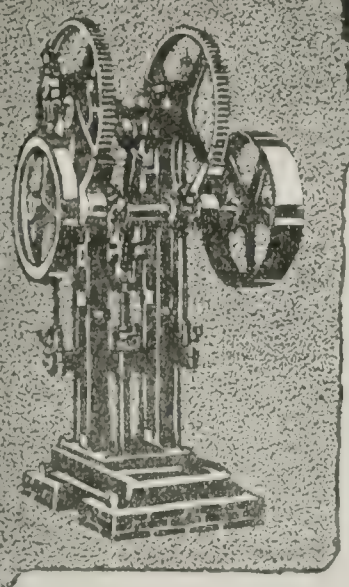
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**De Laval Steam Turbine Co. (Centrifugal) East Trenton, N. J.**
*See adv index at end of book*
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Lobee Pump & Machy. Co., Buffalo, N. Y.
**Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.**
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
*See adv index at end of book*
Trahern Pump Co. (Rotary), Rockford, Ill.

## Pumps (Deck)

**See Pumps, Ship & Deck**

## 11835— Pumps (Deep Well)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
**American Steam Pump Co., Battle Creek, Mich.**
American Well Works, Aurora, Ill.
Bean Spray Pump Co., San Jose, Cal.



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**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Century Pump Co., 719 6th, Brooklyn, N. Y.
Clot E. Machine Wks., 940 Bryant, San Francisco, Cal.
Columbiana Pump Co., Columbiana, O.
Cook August D. (Steam, Belt & Electric Driven), Lawrenceburg, Ind.
Corcoran A. J. (Inc.), 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
Crestline Mfg. Co. ("Crestline"), Crestline, O.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Davidson M. T. Co., 154 Nassau, New York
Dayton Pump & Mfg. Co., Dayton, Ohio
Decautur Pump & Mfg. Co. (Noisless Geared), Decatur, Ill.
**DEMING CO.** (Hand and Power), Salem, O. *See adv index at end of book*
Dempster Mfg. & Supply Co., Des Moines, Ia.
Douglas W. & B., Middletown, Conn.
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Epping-Carpenter Pump Co., ft 43rd, Pittsburgh, Pa.
Evans C. H. & Co. ("Thomson & Evans" Bucket Plunger, Double Acting & Power), 187 Fremont, San Francisco, Cal.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
**Fort Wayne Engineering & Mfg. Co., Ft. Wayne, Ind.**
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
**GOULDS MFG. CO., 71 W Fall, Seneca** Falls, N. Y. *See adv index at end of book*
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
**Hess-Snyder Co. ("Novelty"), Massillon,** O.
Humphryes Mfg. Co. ("Monitor" Belt Power or Direct Connected), Mansfield, O.
**Indiana Air Pump Co. (Air Lift), Indianapolis, Ind.**
Jackson Byron Iron Works, Berkeley, Cal.
Kewanee Private Utilities Co. ("Kewanee" "Unit"), Kewanee, Ill.
**KEYSTONE DRILLER CO.** ("Downie"), Beaver Falls, Pa.
*See adv index at end of book*
Laursen Automatic Pump Co., Menominee, Wis.
Manistee Iron Works Co., Manistee, Mich.
Mast-Foos & Co., Springfield, O.
Midwest Engine Co., Indianapolis, Ind.
**MYERS F. E. & BRO.** ("Myers" Cog Gear, Branch Pipe, "Ashland," "Imperial"), 900 4th, Ashland, O.
*See adv index at end of book*
National Steam Pump Co., Upper Sandusky, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Peters Pump Co., Kewanee, Ill.
Platt Iron Works Co. (Powers), Dayton, Ohio
Pomona Mfg. Co., Pomona, Cal.
Red Jacket Mfg. Co. ("Red Jacket," Detached Cylinder, etc), Davenport, Ia.
Reliance Machine & Tool Works ("Hooker"), Channing & Franklin av, St. Louis, Mo.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, New York
San Diego Machine Co., San Diego, Cal.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
Standard Pump & Engine Co., Akron, O.
Trahern Pump Co. (Single & Double Acting, Hand, etc), Rockford, Ill.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
United Iron Works, Inc., Kansas City, Mo.
Union Machine Works, 367 3rd, San Francisco, Cal.
Union Steam Pump Co., Battle Creek, Mich.
Valle-Kimes Co. ("V. & K."), Dayton, O.
Vogt Bros. Mfg. Co., Louisville, Ky.
Warren Steam Pump Co., Warren, Mass.
Weinman Pump Mfg. Co. (Electric & Belt Driven), 300 Spruce, Columbus, O.
Wilder, Sidney & Co., Holliston, Mass.
Wood Pump Co., 375 Central av, S, Los Angeles, Cal.
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## 11836— Pumps (Diaphragm)

**American Cement Machine Co., Keokuk,** Ia.
Austin W. E. Machinery Co., Atlanta, Ga.
Barnes Mfg. Co., Mansfield, O.
Boston & Lockport Block Co., 100 Condor, Boston, Mass.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
C. H. & E. Mfg. Co. (Portable Gasoline & Kerosene Engine Driven), 384 Clinton, Milwaukee, Wis.
Crestline Mfg. Co. ("Crestline"), Crestline, O.
**DEMING CO.,** Salem O.
*See adv index at end of book*
Dorr Co. ("Dorr"), 1009 17th, Denver, Colo.
Douglas W. & B. ("Acme," "Ajax"), Middletown, Conn.
**Edson Mfg. Co. ("Edson" Trench Force** & Lift), 257 Atlantic av, Boston, Mass.
Fairbanks Morse & Co., 900 S Wabash av, **Chicago, Ill.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Garfield & Co., 1323 Hearst bldg, San Francisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, **N. Y.** *See adv index at end of book*
Hinman D. A. & Co. ("Sandwich"), Sandwich, Ill.
Humphryes Mfg. Co. (Hand or Power), Mansfield, O.
Johnson John Co., 203 37th, Brooklyn, N. Y.
Laughlin Thos. Co., Portland, Me.
Neptune Hardware Mfg. Co., 29 Murray, New York
Novo Engine Co., Lansing, Mich.
Platt Iron Works Co., Dayton, O.
Pulsometer Pump Co., 220 W 42nd, New York
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, New York
Schramm Chris D. & Son, Inc. (Double for Trench Work), 709 Arch, Phila., Pa.
Smith T. L. Co. ("Smith"), 1151 32d, Milwaukee, Wis.
Van Nouhuys Mach. Works ("Cascade"), Albany, N. Y.
Waldo Bros. & Bond Co. ("Atlantic Portable), 181 Congress, Boston, Mass.
Waterloo Cement Machy. Corp., Waterloo, Ia.

## 11837— Pumps (Distillers)

Aldrich Pump Co., Allentown, Pa.
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
**DE LAVAL STEAM TURBINE CO.,** (Centrifugal) East Trenton, N. J.
*See adv index at end of book*

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Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

Northern Tire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
*See adv index at end of book*

Vogt Bros. Mfg. Co., Louisville, Ky.

### 11838—Pumps (Double-Acting)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.

Brown E. C. Co., Rochester, N. Y.

Crestline Mfg. Co. ("Crestline," "Suez" Force & Vulcan Double Power), Crestline, O.

Davidson M. T. Co., 154 Nassau, New York

Davis-Hansen Co., Oshkosh, Wis.

**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**

Douglas W. & B. (Hand or Power), Middletown, Conn.

**Fairbanks, Morse & Co. ("Eclipse," "Typhoon"), 900 S Wabash av, Chicago, Ill.**

Flint & Walling Mfg. Co. ("Fast Mail" Force), Kendallville, Ind.

Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*

Garratt W. T. & Co. ("Hooker" Miner's Station), 299 Fremont, San Francisco, Cal.

Leader Iron Works, Decatur, Ill.

Love M. A. Mfg. Co. ("Western," Hand or Windmill), Rockford, Ill.

Midwest Engine Co., Indianapolis, Ind.

Peters Pump Co. ("Peters" Electric), Kewanee, Ill.

San Diego Machine Co., San Diego, Cal.

Trahern Pump Co. (Hand or Windmill), Rockford, Ill.

Union Steam Pump Co., Battle Creek, Mich.

Vogt Bros. Mfg. Co., Louisville, Ky.

Ward Pump Co. (Hand or Windmill), Rockford, Ill.

### 11839— Pumps (Drain)

**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

### 11840— Pumps (Drainage)

See also Hydraulic Rams

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.

American Well Works, Aurora, Ill.

Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.

**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**

**DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*

**ELLICOTT MACHINE CORP.**, 1111 Bush, Baltimore, Md.
*See adv index at end of book*

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

**Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.**

Jennings Pump & Dredge Co., 180 Dearborn, Chicago, Ill.

**LAWRENCE MACHINE CO.** ("Lawrence" Centrifugal), 42 Island, Lawrence, Mass. *See adv index at end of book*

Midwest Engine Co., Indianapolis, Ind.

Morris Machine Works, Baldwinsville, New York

**MYERS F. E. & BRO.** ("Myers"), 900 4th, Ashland, O. *See adv index at end of book*

Platt Iron Works Co., Dayton, O.

Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.

Vogt Bros. Mfg. Co., Louisville, Ky.

**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

### Pumps (Dredging)

See Pumps, Sand & Dredging

### 11840a— Pumps (Duplex)

See also Pumps, Compound, also Pumps, Steam

Buffalo Steam Pump Co., Buffalo, N. Y.

Cardwell Machine Co., 1900 E Cary, Richmond, Va.

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*

Goulds Mfg. Co., Seneca Fall, N. Y.
*See adv index at end of book*

**HAUBTMAN & LOEB CO., LTD.**, 618 Magazine, New Orleans, La.
*See adv index at end of book*

**McGOWAN JOHN H. CO.**, Fourth Nat'l Bank bldg, Cincinnati, Ohio
*See adv index at end of book*

### 11841— Pumps (Electric)

Advance Pump & Compressor Co. (Direct Connected), Flint & Division, Battle Creek, Mich.

Aldrich Pump Co. ("Aldrich"), Allentown, Pa.

Amer Electric Air Pump Co. (Vacuum), Pittsburgh, Pa.

American Steam Pump Co., Battle Creek, Mich.

American Well Works, Aurora, Ill.

Automatic Electric Pump Co., Davenport, Ia.

Automatic Rotary Pump Co., Bible House, New York

**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*

Bleyle Electric Co. ("Economic"), 84 Cortlandt, New York

Bowser S. F. & Co., Ft. Wayne, Ind.

Boyts, Porter & Co., Connellsville, Pa.

**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

Buffalo Steam Pump Co., Buffalo, N. Y.

Burnett-Larsh Mfg. Co., Dayton, O.

**BYRON JACKSON IRON WORKS**, Sharon bldg, San Francsico, Cal.
*See adv index at end of book*

**CAMERON A. S. STEAM PUMP WORKS**, Bowling Green bldg, New York
*See adv index at end of book*

Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*

Centrifugal Pump Co., 455 Canal, New York

Century Pump Co., 719 6th, Brooklyn, N. Y.

Columbiana Pump Co., Columbiana, O.

**Crestline Mfg. Co., Crestline, Ohio**

Davidson M. T. Co., 154 Nassau, New York

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.

**Dayton Pump & Mfg. Co., Dayton, Ohio**

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

**DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*

**DEMING CO.**, Salem, O.
*See adv index at end of book*

**D'Olier Centrifugal Pump & Machine Co., 1421 Chestnut, Philadelphia, Pa.**

Douglas W. & B., Middletown, Conn.

Dow Pump & Diesel Engine Co., 311 California, San Francisco, Cal.

Dubois Iron Works, Dubois, Pa.

**DUNNING & BOSCHERT PRESS CO., INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*

Economy Pumping Machy. Co., 122 Curtis, Chicago, Ill.

**ELLICOTT MACHINE CORP.**, 1111 Bush, Baltimore, Md.
*See adv index at end of book*

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Erwin & Co. (Automatic), 3736 Cottage Grove av, Chicago, Ill.

**Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.**

Fort Wayne Engng. & Mfg. Co. ("Paul"), Fort Wayne, Ind.

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

French Oil Mill Machinery Co., Piqua, O.

Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*

**GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. Y.** *See adv index at end of book*

Harris Pump & Supply Co., 320 2d av, Pittsburgh, Pa.

Holland Machine Co., 147 W 35th, New York

Humphryes Mfg. Co., Mansfield, O.

Ives Mfg. Co., 203 Hanover, Baltimore, Md.

Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.

Johnson John Co., 203 37th, Brooklyn, N. Y.

Kewanee Private Utilities Co. (For Pumping Water Supply, etc), Kewanee, Ill.

**LAWRENCE MACHINE CO.** ("Lawrence"), 42 Island, Lawrence, Mass.
*See adv index at end of book*

Lawrence Pump & Engine Co. ("Vortex"), Lawrence, Mass.

Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.

Lobee Pump & Machinery Co., East Buffalo, N. Y.

Lunt-Moss Co., 43 S Market, Boston, Mass.

**McDonald A. Y. Mfg. Co., Dubuque, Ia.**

**McGOWAN JOHN H. CO.**, Fourth Nat'l Bank bldg, Cincinnati, O.
*See adv index at end of book*

Midwest Engine Co., Indianapolis, Ind.

Morris Machine Works, Baldwinsville, New York

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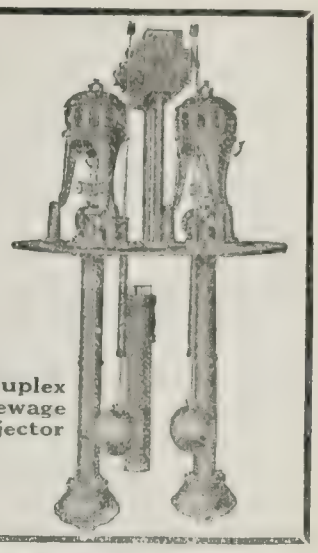

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**IYERS F. E. & BRO.** ("Myers" Bulldozer, "Myers" Automatic), 900 4th, Ashland, O. *See adv index at end of book*
Tash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.
**Tational Transit Pump & Machine Co.,** Oil City. Pa. *See adv index at end of book*
. Y. Air Brake Co., 165 B'way, New York
'orthern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn. *See adv index at end of book*
'ugent W. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*
eters Pump Co. ("Peters" Double-Acting), Kewanee, Ill.
latt Iron Works Co., Dayton, O.
rescott Co., Menominee, Mich.
uimby Wm. E., Inc. (Direct Connected), 209 Parkhurst, Newark, N. J.
'ider-Ericsson Engine Co. ("Reeco"), Walden, N. Y.
oberts Geo. J. Co., Dayton, O.
oots P. H. & F. M. Company, Connersville, Ind.
**UMSEY PUMP CO. (Ltd.) Box J, Seneca Falls, New York** *See adv index at end of book*
an Diego Machine Co., San Diego, Cal.
cranton Pump Co., Scranton, Pa.
tandard Pump & Engine Co., Akron, O.
aber Pump Co. (Portable), Buffalo, N. Y.
aylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
winvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
nion Steam Pump Co., Battle Creek, Mich.
alle-Kimes Co. ("V. & K."), Dayton, O.
arwig Mfg. Co., 120 Opera pl, Cincinnati, O.
ictor Elec. Corp., 236 S Robey, Chicago, Ill.
ogt Bros. Mfg. Co., Louisville, Ky.
eiman Pump Mfg. Co., 300 Spruce Columbus, O.
'ilson-Snyder Mfg. Co., 2 Ross, Pittsburgh, Pa.
'ood R. D. & Co., 400 Chestnut, Phila., Pa.
**'ORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York *See adv index at end of book*
eomans Bros. Co., 1433 Dayton, Chicago, Ill.

## 11842—Pumps (Electric Air)

American Steam Pump Co., Battle Creek, Barbeau, Pittsburgh, Pa.
American Electric Air Pump Co., Penn & Mich.
Automatic Electric Pump Co., Davenport, Ia.
Black & Decker Mfg. Co., 111 So Calvert, Baltimore, Md.
Cleveland Faucet Co. ("Champion" Automatic), 1205 E 55th, Cleveland, O.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Economy Pumping Machy. Co., 122 Curtis, Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Ives Mfg. Co., 203 Hanover, Baltimore, Md.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Vogt Bros. Mfg. Co., Louisville, Ky.

## 11843—Pumps (Electric House)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich.
**BEACH-RUSS CO.,** 216-224 B'way, New *See adv index at end of book*
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal. *See adv index at end of book*
**Burnett Larsh Mfg. Co. ("Duro"), Dayton,** O.
Chicago Pump Co., 2342 Wolfrom, Chicago, Ill. *See adv index at end of book*
Dayton Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Economy Pumping Machy. Co., 122 Curtis, Chicago, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
**Flint & Walling Mfg. Co., ("F & W"), Kendallville, Ind.**
Fort Wayne Engng. & Mfg. Co., Fort Wayne, Ind.
Ives Mfg. Co., 203 Hanover, Baltimore, Md
Leader Iron Works, Decatur, Ill.
McGowan, John H. Co., Fourth National Bank bldg, Cincinnati, Ohio *See adv index at end of book*
**MYERS F. E. & BRO.** ("Myers Automatic Controll," "Myers Hydro-Pneumatic) *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn. *See adv index at end of book*
Quimby Wm. E. Inc., 209 Parkhurst, Newark, N. J.
Roberts, Geo. J. Co. ("Gem"), Dayton, O.
Twinvolute Pump & Mfg. Co. 216 High, Newark, N. J.
Yeomans Bros. Co., 1433 Dayton, Chicago, Ill.

## 11844—Pumps (Electric Pressure)

Aldrich Pump Co., Allentown, Pa.
**DUNNING & ROSCHERT PRESS CO., INC.,** 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Economy Pumping Machy. Co., 122 Curtis, Chicago, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Luitwieler Pumping Engine Co., Rochester, N. Y.
McGowan, John H. Co., Fourth National Bank bldg, Cincinnati, Ohio *See adv index at end of book*
**NORTHERN FIRE APPARATUS CO.,** 2422 Univ. av, S E, Minneapolis, Minn. *See adv index at end of book*
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*

## 11845— Pumps (Elevator)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Steam Pump Co., Battle Creek, Mich.
**Blake Pump & Condenser Co., Fitchburg,** Mass.
**Blakeslee Mfg. Co., Du Quoin, Ill.**
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson Co., 2301 Center av, **Cleveland, O.**
Butler Mfg. Co., Kansas City, Mo.
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal. *See adv index at end of book*
Chicago Pump Co., 2342 Wolfrom, Chicago, Ill. *See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.** *See adv index at end of book*
Douglas W. & B., Middletown, Conn.
**Epping-Carpenter Pump Co., ft 43rd, Pittsburgh, Pa.**
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Garratt W. T. & Co., 299 Tremont, San Francisco, Cal.
Goodman Mfg. Co., Halsted & 48th pl. Chicago, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, **N. Y.** *See adv index at end of book*
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Jackson Byron Iron Works, Berkeley, Cal.
McGowan John H. Co., Fourth Nat. Bank bldg., Cincinnati, O. *See adv index at end of book*
**National Transit Pump & Machine Co.,** Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn. *See adv index at end of book*

PUMPS (ELEVATOR)—continued

Platt Iron Works Co., Dayton, O.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, New York
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
**Twinvolute Pump & Mfg. Co.** ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 11845a— Pumps, Engines, etc.

See also Headings under Pumps, Engines, etc

Aldrich Pump Co., Allentown, Pa.
**DOMINION ASBESTOS & RUBBER CORP.** ("Cable Prince," "Rodtite," "Dominion"), 154 Nassau, New York
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Michigan Machine Co. ("Pollway"), 85 Porter, Detroit, Mich.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11845b—*Pump (Evaporator Feed)

**GRISCOM-RUSSELL CO.**, 92 West, New York *See adv index at end of book*

## 11846—Pumps (Fan & Stuff)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
**Beloit Iron Works (Stuff), Beloit, Wis.**
**Black-Clawson Co. ("B-C-Co Fan"), Hamilton, O.**
**Clark H. C. & Son Machine Co., Lee, Mass.**
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**
**DEMING CO.** (Duplex & Triplex), Salem, O. *See adv index at end of book*
**Dillon Machine Co. ("Duplex" & "Triplex" Stuff), Lawrence, Mass.**
Economy Pumping Machy. Co., 122 Curtis, Chicago, Ill.
**Emerson Mfg. Co., Lawrence, Mass.**
**Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.** *See adv index at end of book*
**Mills Machine Co., Lawrence, Mass.**
Morris Machine Works, Baldwinsville, **New York**
**National Transit Pump & Machine Co.,** Oil City Pa. *See adv index at end of book*
**Noble & Wood Machine Co., Hoosick Falls,** N. Y.
**Pulsometer Steam Pump Co. (Stuff for Pulp Mills), 220 W 42nd, New York**
**Rice-Barton & Fales Machine & Iron Co., Worcester, Mass.**
Sandy Hill Iron & Brass Works, Hudson **Falls, N. Y.**
**Shartle Bros. Machine Co. (Multiple Fan), Middletown, O.**
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
**Union Steam Pump Co., Battle Creek,** Mich.
**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

## 11847—Pumps (Filter Press)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
**American Steam Pump Co., Battle Creek,** Mich.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Buffalo Steam Pump Co., **Buffalo, N. Y.**
**Cameron A. S. Steam Pump Works, 11** Bowling Green bldg, New York
*See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
**Dean Bros. Steam Pump Works, 327 W** 10th, Indianapolis, Ind.
De Laval Steam Turbine Co. (Centrifugal), E Trenton, N. J.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
**Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.** ***See adv index at end of book***
**Guild & Garrison, 457 Kent av, Brooklyn,** N. Y.
**Johnson John Co., 203 37th, Brooklyn,** N. Y.
**Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.**
**National Transit Pump & Machine Co.,** Oil City, Pa. *See adv index at end of book*
Platt Iron Works Co., Dayton, O.
Provost Engng. Corp., 216-224 B'way, New York
**Shriver T. & Co., Harrison, N. J.**
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
**Union Steam Pump Co., Battle Creek,** Mich.
**Wagener Steam Pump Co., Canton, O.**
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 11848— Pumps (Fire)

See also Pumps, Steam

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Steam Pump Co., Battle Creek, Mich.
American Well Works (Centrifugal), Aurora, Ill.
Brown E. C. Co., Rochester, N. Y.
Buffalo Steam Pump Co., Buffalo, N. Y.
Byron Jackson Iron Works, Sharon bldg, San Francsico, Cal.
*See adv index at end of book*
**Cameron A. S. Steam Pump Works, Bowling Green bldg, New York**
*See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*
Earle Gear & Machine Co., **Stenton & Wyoming avs, Phila., Pa.**
Erie Pump & Engine Works, Inc., 141 Glenwood, Medina, N. Y.
*See adv index at end of book*
Evans C. H. & Co. ("Thomson & Evans"), 189 Fremont, San Francsico, Cal.
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
**Hale Fire Pump Co. ("Young Giant"),** Conshohocken, Pa.
Midwest Engine Co., Indianapolis, Ind.
Myers F. E. & Bro., 900 4th, Ashland, O.
*See adv index at end of book*
**NORTHERN FIRE APPARATUS CO.,** 2422 Univ. av S E, Minneapolis, Minn.
*See adv index at end of book*
Platt Iron Works Co., Dayton, O.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
**Seagrave Co., Columbus, O.**
**Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York**
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Woodard Machine Co., Wooster, O.
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 11849—Pumps (Fire, Hand)

Brown, E. C. Co., Rochester, N. Y.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Humphryes Mfg. Co., Mansfield, O.
Myers F. E. & Bro., 900 4th, Ashland, O.
*See adv index at end of book*

## 11850—Pumps (Fire Protection)

**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Brown E. C. Co., Rochester, N. Y.
**BYRON JACKSON IRON WORKS**, Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Quimby Wm. E. Inc., 209 Parkhurst, Newark, N. J.

## 11851—Pumps (Foam Fire-Fighting)

Aldrich Pump Co., Allentown, Pa.
**NATIONAL TRANSIT PUMP & MACHINE CO.**, Oil City, Pa.
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn.
*See adv index at end of book*

## 11851a—Pumps for Chemical Solutions

Aldrich Pump Co., Allentown, Pa.
**CHEMICAL PUMP & VALVE CO., THE** (Pumps & Valves Made of All Kinds of Acid Resisting Material), 327 Gifford, Perth Amboy, N. J.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Lummus Walter E. Co. ("Metrolift" Automatic), 171 Milk, Boston, Mass.

## 11852—Pumps for Gasoline Lighting Systems

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

## 11853—Pumps (Force, Horizontal)

Humphryes Mfg. Co. ("Monitor" Belt Power & Direct Connected), Mansfield, Ohio

## 11854—Pumps (Force & Lift)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Althouse-Wheeler Co. (Hand Force), Waupun, Wis.
**American Steam Pump Co., Battle Creek,** Mich.
American Well Works (Power), Aurora, Ill.
Aterite M. N. Co., Inc. (For Sulphuric Acid), 55 John, New York
**Athol Pump Co., Athol, Mass.**
**Baker Mfg. Co., Evansville, Wis.**
**Barnes Mfg. Co., Mansfield, O.**
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Beckman Bros. ("B-B"), Des Moines, Ia.
Blymyer Iron Works Co. ("Crown," "Star" Hand & Power Double Acting), Cincinnati, O.
**Bushnell Pump Co. (Iron, also House & Air Pressure Force Pumps), Bushnell, Ill.**
C. H. & E. Mfg. Co., 334 Clinton, Milwaukee, Wis.
Coleman Allan J. ("Improved Suction"), 208 N Wabash av, Chicago, Ill.
Columbiana Pump Co., Columbiana, O.
Crestline Mfg. Co. ("Crestline" Force & Lift & Force Pump for Drilled Wells & Ratchet Force), Crestline, O.
Davis-Hansen Co. (Windmill), Oshkosh, Wis.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Decatur Pump & Mfg. Co., Decatur, Ill.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Dempster Mfg. & Supply Co., Des Moines, Iowa
Douglas W. & B. (("Hector" Long Fulcrum), Middletown, Conn.
Dubois Iron Works, Dubois, Pa.
Duplex Mfg. Co., Superior, Wis.
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind.

Garrison Brass & Machine Works, 107 W 13th, New York
Gould Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Haydenville Co., Haydenville, Mass.
Hayes Pump & Planter Co. (House Windmill, etc), Galva, Ill.
Hess-Snyder Co. ("Novelty"), Massillon, O.
Humphryes Mfg. Co., Mansfield, O.
Ives Mfg. Co. (Electric), 203 Hanover, Baltimore, Md.
Kennedy J. E. ("Little Giant" Household for Cleaning Waste Pipes, etc), 30 E 42d, New York
Klotz Machine Co. ("Waldkircher's" Oscillating Force Pumps), Sandusky, O.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
Love M. A. Mfg. Co. (Iron Hand & Windmill Force, etc), Rockford, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Mast-Foos & Co. ("Buckeye"), Springfield, Ohio.
Midwest Engine Co., Indianapolis, Ind.
Mietz August Corp., 430 E 19th, New York
**MYERS F. E. & BRO.** ("Myers" Submerged Cylinder, Branch Pipe, "Gusher" Cog Gear, "Ashland" Ratchet Handle, Tubular Well, "Imperial" Siphon, House Force, "New Century" Low Down & "Faultless" Bulldozer, "Defiance"), 900 4th, Ashland, O. *See adv index at end of book*
Newark Brass Works ("Lawless," Force for Water Mains), 22 Lawrence, Newark, N. J.
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn. *See adv index at end of book*
Penna. Furnace & Stove Co. (Plumbers' Force), Warren, Pa.
Peters Pump Co., Kewanee, Ill.
Pittsburgh Pump Co., 20 Fancourt, Pittsburgh, Pa.
Powell Wm. Co. ("Speedy," "Rapid"), Cincinnati, O. *See adv index at end of book*
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co. ("Red Jacket," Single & Double Acting), Davenport, Ia.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
San Diego Machine Co., San Diego, Cal.
Schramm Chris D. & Son, Inc. (For Basements, Excavations & Subways), 709 Arch, Phila., Pa.
Seed Filter & Mfg. Co., 73 Franklin, New York
Smith T. L. Co. ("Smith" Force Pumps), 1151 32d, Milwaukee, Wis.
Trahern Pump Co (Iron Hand & Windmill Force, etc.), Rockford, Ill.
J. S. Wind Engine & Pump Co., Batavia, Ill.
Ward Pump Co. (Iron Hand & Windmill Force, etc), Rockford, Ill.
Wilder, Sidney & Co., Holliston, Mass.
Wistrand Mfg. Co. ("Blue Star," Well, House & Windmill), Galva, Ill.

## 1855— Pumps (Fuel Oil)

Aldrich Pump Co., Allentown, Pa.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Burnett-Larsh Mfg. Co., Dayton, Ohio
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), **East Trenton, N. J.** *See adv index at end of book*
**DEMING CO.**, Salem, O. *See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
**McGOWAN JOHN H. CO.**, Fourth Nat'l Bank bldg, Cincinnati, O. *See adv index at end of book*
**NATIONAL TRANSIT PUMP & MACHINE CO.**, Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av S E, Minneapolis, Minn. *See adv index at end of book*
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Trahern Pump Co. (Rotary), Rockford, Ill.
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.
**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York *See adv index at end of book*

## 11856—Pumps (Galvanized Steel)

Brown E. C. Co., Rochester, N. Y.

## 11857—Pumps (Gas Compressing)

See also Pumps, Gas Main Force
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Combination Engine & Compressor Co., Bradford, Pa.
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl., Brooklyn, N. Y. *See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Gould Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
Nash Engineering Co. ("Nash," Hydro-Turbine), South Norwalk, Conn.
National Fdry & Mach. Co., Louisville, Ky.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Roots P. H. & F. M. Co., Connersville, Ind.
Superior Gas Engine Co., Springfield, O.

## 11858—Pumps (Gas Engine Cooling)

**DEMING CO.**, Salem, O. *See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, Ohio *See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*

## 11859—Pumps (Gas Engine Driven)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Erie Pump & Engine Works, Inc., 141 Gleenwood av, Medina, N. Y. *See adv index at end of book*
Gardner Governor Co., 23 Williamston, Quincy, Ill. *See adv index at end of book*
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
**NORTHERN FIRE APPARATUS CO.**, 2422 Univ. av S E, Minneapolis, Minn. *See adv index at end of book*
San Diego Machine Co., San Diego, Cal.
Standard Pump & Engine Co., Akron, O.

## 11860—Pumps (Gas Engine Starting)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Caldwell E. R. & Co., Bradford, Pa.
**DEMING CO.**, Salem, O. *See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Midwest Engine Co., Indianapolis, Ind.
Union Steam Pump Co., Battle Creek, Mich.

## 11861—Pumps (Gas Fitters' Proving)

**DEMING CO.**, Salem, O. *See adv index at end of book*

## 11862-3—Pumps (Gas Main, Force)

**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Bernz Otto, 17-37 Ashland, Newark, N. J.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Garrison Brass & Machine Wks., 107 W 13th, New York
Humphrey Gas Pump Co., 401 S. A. & K. bldg, Syracuse, N. Y.
Simmons John Co., 110 Centre, New York *See adv index at end of book*

## 11864— Pumps (Gasoline)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Am. Tank & Pump Co., 404 Golden Gate, San Francisco, Cal.
Barnes Mfg. Co., Mansfield, O.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Blackmer Rotary Pump Co., Petoskey, Mich.
Bowser S. F. & Co. ("Red Sentry," "Chief Sentry," "Pacemaker"), Fort Wayne, Ind.
Butler Mfg. Co., Kansas City, Mo.
Channon Jas. H. Mfg. Co. (For Auto Garage), 227 W Erie, Chicago, Ill.
Climax Machine & Burner Co. ("Imperial"), 133 3rd av, Newark, N. J.
Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Crestline Mfg. Co. ("Crestline"), Crestline, Ohio
Davis-Hansen Co., Oshkosh, Wis.
**DEMING CO.**, Salem, O. *See adv index at end of book*
Domestic Engine & Pump Co., Shippinsburg, Pa.
Doran Mfg. Co., 612-620 W Lake, Chicago, Ill.
Douglas W. & B., Middletown, Conn.
Eastern Oil Tank Co. ("Leader," Self-Measuring for Garages), Lowell, Mass.
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
**FABRICATED STEEL PRODUCTS CORP.**, Box 505, Leetonia, Ohio *See adv index at end of book*
Field & Shorb Co. ("F. & S. Ideal"), Decatur, Ill.
Fisher & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Gilbert & Barker Mfg. Co. ("Gilbert & Barker" Self & Non-Measuring), Springfield, Mass.
**GOULDS MFG. CO.**, 71 W. Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hults, Ellsworth H., Inc., 218 Walnut, Phila., Pa.
Inglis Mfg. Co., 285 5th av, Milwaukee, Wis.
Kewanee Private Utilities Co. (For Pumping Water Supply), West Side, Kewanee, Ill.
Kraft A. C. ("Bools," "Coco," "Gross," "Heft," "Stuhl" & "Walker"), 323 W Lake, Chicago, Ill.
Leader Iron Works, Decatur, Ill.
Lipman Refrigerator Car & Mfg. Co. (Hand), Beloit, Wis.
Novo Engine Co. (Direct Connected), Lansing, Mich.
Quimby Wm. E., Inc. 209 Parkhurst, Newark, N. J.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Tokheim Oil Tank & Pump Co., Ft. Wayne Ind.
Trahern Pump Co. (Hand Rotary), Rockford, Ill.
Trimount Rotary Power Co. ("Trimount" Rotary Hand), 18 Heath, Boston, Mass.

## Pumps (Gauge Testing)

See Gauge Testing Apparatus

## 11865— Pumps (Geared)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Steam Pump Co., Battle Creek, Mich.
**BYRON JACKSON IRON WORKS**, Sharon bldg, San Francisco, Cal. *See adv index at end of book*
**DUNNING & BOSCHERT PRESS CO., INC.**, 379 W Water, Syracuse, N. Y. *See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, Ohio *See adv index at end of book*

PUMPS (GEARED)—continued

Midwest Engine Co., Indianapolis, Ind.
Myers F. E. & Bro. ("Bulldozer"), 900 Fourth, Ashland, O.
*See adv index at end of book*
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Viking Pump Co., Cedar Falls, Ia.
Wilson Machinery Co., 331 W 35th, Chicago, Ill. *See adv index at end of book*

## 11866—Pumps (Geared, Oil or Water)

**For Milling Gear & Chucking Machines, etc**

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**Brown & Sharpe Mfg. Co. (For Oil Supply, to Cutting Tools on Lathes, Screw Machines, etc), Providence, R. I.**
Cincinnati Lubricant Pump Co., Blanchester, O.
**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**
**DEMING CO.,** Salem, O.
*See adv index at end of book*
**Doehler Die Casting Co., Huntington, Brooklyn, N. Y.**
Erie Pump Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Gouids Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hopedale Mfg. Co., Roper Dept. ("Roco"), Milford, Mass.
**KEYSTONE DRILLER CO. ("Downie"),** Beaver Falls, Pa.
*See adv index at end of book*
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Matson Machine Co., Concord, N. H.
**MYERS F. E. & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Platt Iron Works Co., Dayton, O.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*

## 11866a—Pumps (General Service)

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.

## 11867—Pumps (Ham Preserving)

Silver Mfg. Co., No. 256, Salem, O.

## 11868— Pumps (Hand)

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Bowser S. F. & Co., Ft. Wayne, Ind.
**Buffalo Steam Pump Co., Buffalo, N. Y.**
**Butler Co., Butler, Ind.**
Cardwell Machine Co, 1900 E Cary, Richmond, Va.
**Cedar Rapids Pump Co., Cedar Rapids, Ia.**
**Crestline Mfg. Co., Crestline, O.**
Decatur Pump & Mfg. Co., Decatur, Ill.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
**Dempster Mfg. & Supply Co., Des Moines, Iowa**
**Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.**
Fairbanks Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
**Flint & Walling Mfg. Co., Kendallville, Ind.**
Garrott W. T. & Co. ("Garrott," Horizontal), 299 Fremont, San Francisco, Cal.
**GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. Y.** *See adv index at end of book*
Hayes Pump & Planter Co., Galva, Ill.
Henion & Hubbell, 219 Jefferson, Chicago, Ill.
Humphryes Mfg. Co., Mansfield, O.
Kellogg Mfg. Co., Rochester, N. Y.
Kewanee Private Utilities Co., West Side, Kewanee, Ill.
**Lobee Pump & Machinery Co., East Buffalo, N. Y.**
**Lucey Mfg. Co., 233 B'way, New York**
*For branch offices see Alphabetical Section*
**LUNKENHEIMER CO.** ("Alpha," "Universal"). Executive Offices & Factories: **Beekman & Waverly, Cincinnati, O.** *See adv index at end of book*
Lunt Moss Co., 43 S Market, Boston, Mass.
**MYERS F. E. & BRO.** ("Myers" & "Ashland" Cog Gear), 900 Fourth, Ashland, O. *See adv index at end of book*
Pacific Pump & Supply Co. (Jobbers), San Francisco, Cal.
**Peters Pump Co. ("Peters"), Kewanee,** Ill.
Rich Pump Co., South & Depot, **Cincinnati, O.**
Sherwood Mfg. Co., 1709 Elmwood, Buffalo, N. Y.
Trahern Pump Co. (& Hand Force), Rockford, Ill.
Trimount Rotary Power Co. ("Trimount" Rotary), 18 Heath, Boston, Mass.
Ward Pump Co. (& Hand Force), Rockford, Ill.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*

## 11869—Pumps (High Pressure, Oil)

Aldrich Pump Co., Allentown, Pa.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Dayton-Dowd ("Dayton-Dowd"), Quincy, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
**NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.**
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11869a—Pumps (High Service)

Aldrich Pump Co., Allentown, Pa.
**DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

## 11870—Pumps (High Vacuum, for Packing Houses)

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## Pumps (Hot Air)

**See Engines, Pumping, Hot Aair**

## 11871— Pumps (Hot Well)

**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Dayton-Dowd ("Dayton-Dowd"), Quincy, Ill.
**DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

## 11872— Pumps (Household)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Well Works, Aurora, Ill.
Centrifugal Pump Co., 455 Canal, New York
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
Decatur Pump & Mfg. Co. (Elect. & Gasoline), Decatur, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Fort Wayne Engng. & Mfg. Co., Fort Wayne, Ind.
Jarvis Engine & Machine Wks., Lansing, Mich.
Kennedy J. E. ("Little Giant" Lift & Force for Cleaning Waste Pipes, etc), 30 E 42d, New York
Midwest Engine Co., Indianapolis, Ind.
Myers F. E. & Bro ("Myers" Cog Gear), 900 Fourth, Ashland, O.
*See adv index at end of book*
Rider-Ericsson Engine Co., 20 Murray, New York
Roberts Geo. J. Co. ("Gem"), Dayton, O.
**Standard Pump & Engine Co., Akron, O.**
Vaile-Kimes Co., Dayton, O.
Viking Pump Co., Cedar Falls, Ia.
Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.

## 11873—Pumps (House Tank)

Brown E. C. Co., Rochester, N. Y.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

## 11874-5—Pumps (Hydraulic)

Adamson Machine Co., Akron, O.
*See adv index at end of book*
Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bishop & Babcock Co. ("B & B" Vacuum for Heating Systems), 1204 E 55th, Cleveland, O.
Blake Pump & Condenser Co., Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts Porter & Co., Connellsville, Pa.
Buckeye Iron & Brass Works, Dayton, O.
Buffalo Steam Pump Co., Buffalo, N. Y.
**BURROUGHS CHAS. COMPANY,** Newark, N. J. *See adv index at end of book*
Caldwell E. R. & Co. (Up to 20 Tons) Bradford, Pa.
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
Cardwell Machine Co. (For Oil Mills) 1900 E Cary, Richmond, Va.
Chambersburg Engineering Co. (Pressure, Steam or Motor Driven), Chambersburg, Pa.
Columbus Steam Pump Works Co., Columbus, O.
Davidson M. T. Co., 154 Nassau, New York
Davis, Johnson Mfg. Co., 4831 Jackson, Chicago, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Defiance Machine Works (Double Plunger), Defiance, O.
**DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*
Douglas W. & B. (up to 300 lbs. pressure), Middletown, Conn.
Dow Pump & Diesel Engine Co., 311 California, San Francisco, Cal.
Dudgeon Richard, 24 Columbia, New York

Layne & Bowler PUMPS

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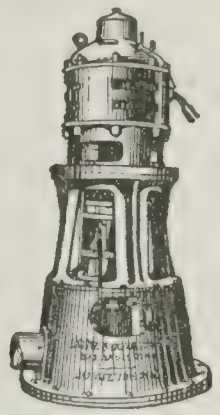

Memphis, Tenn.

**DUNNING & BOSCHERT PRESS CO. INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*

**ELLICOTT MACHINE CORP.**, 1111 Bush, Baltimore, Md.
*See adv index at end of book*

Epping-Carpenter Pump Co., ft. 43d, Pittsburgh, Pa.

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.

Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.

Farrel Foundry & Mach. Co., Ansonia, Conn.

Federal Brass Works, 3100 S Kedzie, Chicago, Ill.

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

French Oil Mill Machinery Co., Piqua, O.

Galland-Henning Mfg. Co., Railway Exchange bldg., Milwaukee, Wis.

Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*

Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*

Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.

Henderer's A. L. Sons, Wilmington, Del.

Holyoke Machine Co. ("Hercules), Holyoke, Mass.

Hydraulic Engng. Works, 708 Fulton, Chicago, Ill.

HYDRAULIC PRESS MFG. CO ("H-P-M") (Vertical & Horizontal Belt Driven), Mount Gilead, O.
*See adv index at end of book*

Jackson Byron Iron Works, Berkeley, Cal.

Jenkins Machine Co. (For Operating Bending Presses), Sheboygan, Wis.

Jennings Pump & Dredge Co., 180 Dearborn, Chicago, Ill.

Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.

Laursen Automatic Pump Co., Menomonie, Wis.

LAWRENCE MACHINE CO. "Lawrence" Centrifugal), 42 Island, Lawrence, Mass. *See adv index at end of book*

Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
*See adv index at end of book*

Logemann Bros. Co. ("Logemann" High Pressure, Triple Compound), 3130 Burleigh, Milwaukee, Wis.

McGowan John H. Co., Fourth Nat Bank bldg, Cincinnati, O.
*See adv index at end of book*

Midwest Engine Co., Indianapolis, Ind.

Morris Machine Works, Baldwinsville, New York

National Foundry & Machine Co., Louisville, Ky.

National Gauge Co., 300 Pacific, Brooklyn, N. Y.

National Steam Pump Co., Upper Sandusky, O.

National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.

Perrin Wm. R. & Co., 37 W Van Buren, Chicago, Ill.

Platt Iron Works Co., Dayton, O.

Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J.

Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.

Roberts Geo. J. Co. ("Gem") Dayton, O.

Robertson Jno. & Co., 133 Water, Brooklyn, N. Y.

Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.

Schramm Chris D. & Son, Inc., 709 Arch, Phila., Pa.

Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.

Tranter Mfg. Co. ("McFeely" & "Sheriff"), 105 Water, Pittsburgh, Pa.

Union Steam Pump Co., Battle Creek, Mich.

Vogt Bros. Mfg. Co., Louisville, Ky.

Wagener Steam Pump Co., Canton, O.

Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

**WATSON-STILLMAN CO.**, 38 Church, New York *See adv index at end of book*

Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.

Westbrook Elevator Mfg. Co., Danville, Va.

Wilson-Snyder Centrifugal Pump Co., 2 Ross, Pittsburgh, Pa.

Wood R. D. & Co., 400 Chestnut, Phila., Pa.

Wood Wm. H. Media, Pa.

## Pumps (Hydraulic Dredging)

**See Pumps, Sand & Dredging**

## 11876—Pumps (Hydraulic, Elevator Service)

Aldrich Pump Co., Allentown, Pa.

Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*

Dayton-Dowd Co. ("Dayton-Dowd), Quincy, Ill.

**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*

**DEMING CO.**, Salem, O.
*See adv index at end of book*

McGowan John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J.

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 11877—Pumps (Hydraulic Pressure)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.

Aldrich Pump Co., Allentown, Pa.

American Steam Pump Co., Battle Creek, Mich.

Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*

Cardwell Machine Co., 1900 E Cary, Richmond, Va.

**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*

**DEMING CO.**, Salem, O.
*See adv index at end of book*

**DUNNING & BOSCHERT PRESS CO. INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*

French Oil Mill Machinery Co., Piqua, O.

McGowan John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 11878-9-80—Pumps (Hydraulic Proving)

Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis Ind.

**DEMING CO.**, Salem, O.
*See adv index at end of book*

Goulds Mfg. Co. 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

Union Steam Pump Co., Battle Creek, Mich.

## 11881—Pumps (Hydraulic-Pneumatic)

Davis-Hansen Co., Oshkosh, Wis.

Decatur Pump & Mfg. Co., Decatur, Ill.

**DEMING CO.**, Salem, O.
*See adv index at end of book*

## 11881a—*Pumps (Hydraulic Vacuum)

**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 11882— Pumps (Injection)

De Laval Steam Turbine Co. (Centrifugal), E. Trenton, N. J.
*See adv index at end of book*

## 11883— Pumps (Irrigating)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.

Aeromotor Co., 2500 W 12th, Chicago, Ill.

Aldrich Pump Co., Allentown, Pa.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

American Well Works, Aurora, Ill.

Barnes Mfg. Co., Mansfield, O.

Blakeslee Mfg. Co., Du Quoin, Ill.

Buffalo Steam Pump Co., Buffalo, N. Y.

**BYRON JACKSON IRON WORKS**, Sharon bldg, San Francisco, Cal.
*See adv index at end of book*

**CAMERON A. S. STEAM PUMP WORKS**, Bowling Green bldg, New York
*See adv index at end of book*

Challenge Co., Batavia, Ill.

Charter Gas Engine Co., Sterling, Ill.

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.

PUMPS (IRRIGATING)—continued

**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*

**DEMING CO.,** Salem, O.
*See adv index at end of book*

Dow Pump & Diesel Engine Co., 311 California, San Francisco, Cal.

**ELLICOTT MACHINE CORP.,** 1111 Bush, Baltimore, Md.
*See adv index at end of book*

**ERIE PUMP & ENGINE WKS., INC.** ("Erie" Mounted Portable, 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

**Fairbanks, Morse & Co., 900 S Wabash av, Chicago Ill.**

**Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.**

Garrott W. T. & Co. ("Hooker" Double Acting), 299 Fremont, San Francisco, Cal.

**Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.** *See adv index at end of book*

**Haslehurst W. W., 2122 Folsom, San Francisco, Cal.**

**Humphryes Mfg. Co. ("Monitor"), Mansfield, O.**

Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.

Kingsford Foundry & Machine Works, Oswego, N. Y.

Krogh Pump & Machy. Co., 147 Beale, San Francisco, Cal.

Lawrence Machine Co. ("Lawrence" Centrifugal), 42 Island, Lawrence, Mass.
*See adv index at end of book*

Layne & Bowler Co. ("Layne" Irrigation Well Pumps) Houston, Tex.

Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal.
*See adv index at end of book*

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

Luitweller Pumping Engine Co., Rochester, N. Y.

McGowan Jno. H. Co., Fourth Nat Bank bldg, Cincinnati, O.
*See adv index at end of book*

**Mast Foos & Co., Springfield, O.**

Midwest Engine Co., Indianapolis, Ind.

Morris Machine Works, Baldwinsville, **New York**

**MYERS F. E. & BRO. ("Myers" Bulldozer),** 900 Fourth, Ashland, O.
*See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

**Platt Iron Works Co., Dayton, O.**

Pulsometer Steam Pump Co., 220 W 42nd, New York

Roots P. H. & F. M. Co. (Rotary Pressure), Connersville, Ind.

**Rumsey Pump Co. (Ltd.) Box J, Seneca** Falls, N. Y.

San Diego Machine Co., San Diego, Cal.

Samson Iron Works, Stockton, Cal.

Trahern Pump Co., Rockford, Ill.

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

**Twinvolute Pump & Mfg. Co., ("Twinvolute"), 55 William, New York**

**Union Steam Pump Co., Battle Creek, Mich**

United Iron Works, Oakland, Cal.

**U. S. Wind Engine & Pump Co., Batavia,** Ill.

Wagener Steam Pump Co., Canton, O.

Ward Pump Co., Rockford, Ill. & 935 N Main, Los Angeles, Cal.

**Wood R. D. & Co., 400 Chestnut, Phila., Pa.**

## 11884— Pumps (Jet)

**See also Injectors & Ejectors, Boiler**

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.

Aldrich Pump Co., Allentown, Pa.

**Douds Frank C. & Co., New Castle, Pa.**

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*

Roberts Geo. J. Co. ("Gem"), Dayton, O.

**Tranter Mfg. Co. ("Defiance"), 105 Water,** Pittsburgh, Pa.

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 11885— Pumps (Juice)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.

Aldrich Pump Co., Allentown, Pa.

American Steam Pump Co., Battle Creek, Mich.

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

Blymyer Iron Works Co. **(Hand or Power),** Cincinnati, O.

Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*

Davidson M. T. Co., 154 Nassau, New York

Dayton-Dowd Co. ("Dayton-Down"), Quincy, Ill.

**DEMING CO., Salem, O.**
*See adv index at end of book*

**DUNNING & BOSCHERT PRESS CO. INC.,** 379 W Water, Syracuse, N. Y.
*See adv index at end of book*

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*

**Goulds Mfg. Co., 71 W Fall, Seneca Falls,** N. Y. *See adv index at end of book*

Midwest Engine Co., Indianapolis, Ind.

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

Platt Iron Works Co., Dayton, O.

Squier Geo. L. Mfg. Co. **(Power & Hand),** Buffalo, N. Y.

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

**Union Steam Pump Co., Battle Creek, Mich**

## 11886—Pumps (Laboratory Vacuum)

Aldrich Pump Co., Allentown, Pa.

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe, pl, Brooklyn, N. Y.
*See adv index at end of book*

**Devine J. P. Co., Buffalo, N. Y.**

Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.

Schutte & Koerting Co., 1251 N 12th, Phila. Pa.

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11886a— Pumps (Lime)

De Laval Steam Turbine Co. (Centrifugal), E. Trenton, N. J.
*See adv index at end of book*

## 11887— Pumps (Liquor)

Advance Pump & Compressor Co, Flint & Division. Battle Creek, Mich.

Aldrich Pump Co., Allentown, Pa.

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

Central Stamping Co., 174 Fulton, New York

Davidson M. T. Co., 154 Nassau, New York

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*

Goulds Mfg. Co., 71 W Fall, Seneca Falls, **N. Y.** *See adv index at end of book*

Judd & Leland Mfg. Co. ("Tornado" Beer), Clifton Springs, N. Y.

**National Enameling & Stamping Co., 411 5th av, New York**

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11888—Pumps (Low Service)

Aldrich Pump Co., Allentown, Pa.

**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*

**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

**McGOWAN JOHN H. CO.,** Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*

**National Transit Pump & Machine Co.,** Oil City, Pa. *See adv index at end of book*

Platt Iron Works, Dayton, O.

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

Vogt Bros. Mfg. Co., Louisville, Ky.

## Pumps (Lubricator)

See Lubricators, Oil Pump

## 11888a— Pumps (Maceration)

De Laval Steam Turbine Co. (Centrifugal), E. Trenton, N. J.
*See adv index at end of book*

## 11889— *Pumps (Magma)

**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*

**GUILD & GARRISON, 463 Kent av, Brooklyn, N. Y.**

## 11890—Pumps (Manhole & Pile)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.

**Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.**

## 11891—Pumps (Marine, Power)

Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.

**DEMING CO.,** Salem, O.
*See adv index at end of book*

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

Myers F. E. & Bro. ("Handy Billy"), 900 Fourth, Ashland, O.
*See adv index at end of book*

**NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.**
*See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

Union Steam Pump Co. ("Union"), Battle Creek, Mich.

**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## Pumps (Marine, Steam)

See Pumps, Steam

## Pumps (Measuring)

See Pumps, Oil, Self-Measuring

## 11892— Pumps (Milk)

**ELMES CHAS. F. ENGINEERING WORKS, (INC.),** cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

## 11893— Pumps (Mine)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.

Aldrich Pump Co. ("Aldrich," Triplex or Quintuplex, Cement Lined Electric), Allentown, Pa.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, Aurora, Ill.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Blakeslee Mfg. Co., Du Quoin, Ill.
Boyts Porter & Co. (Duplex Electric, Wood & Lead Lined), Connellsville Pa.
Buffalo Steam Pump Co., Buffalo, N. Y
Burton & Johnson Co., 2301 Center av Cleveland, O.
**CAMERON A. S. STEAM PUMP WORKS**, Bowling Green bldg, New York *See adv index at end of book*
Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*
Columbus Steam Pump Works Co., Columbus, O.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Crawford & McCrimmon Co. (Lead Lined, Acid Proof), Brazil, Ind.
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J. *See adv index at end of book*
**DEMING CO.**, Salem, O. *See adv index at end of book*
D'Olier Centrifugal Pump & Machine Co., 1421 Chestnut, Phila., Pa.
Dow Pump & Diesel Engine Co., 311 California, San Francisco, Cal.
Dubois Iron Works, Dubois, Pa.
Edson Mfg. Co. ("Edson" & Prospecting), 257 Atlantic av, Boston, Mass.
**ELLICOTT MACHINE CORP.**, 1111 Bush, Baltimore, Md. *See adv index at end of book*
Epping-Carpenter Pump Co., ft 43rd, Pittsburgh, Pa.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fairmont Mining Machy Co., Fairmont, W. Va
Farrar Pump & Machinery Co., Granite bldg, St. Louis, Mo.
Frenier & Son, Rutland, Vt.
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Garrett W. T. & Co., 289 Fremont, San Francisco, Cal.
**GOULDS MFG. CO.**, 71 Wall, Seneca Falls, N. Y. *See adv index at end of book*
Goyne Steam Pump Co. (Goyne Bros. Propa.) Works: Ashland, Pa.
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Hydraulic Engineering Works, 708 Fulton, Chicago, Ill.
Ingersoll-Rand Co., 11 B'way, New York *See adv index at end of book*
Jackson Byron Iron Works, Berkeley, Cal.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kingsford Foundry & Machine Works, Oswego, N. Y.
Krough Pump & Machy Co., 147 Beale, San Francisco, Cal.
Laursen Automatic Pump Co., Menomonie, Wis.
Layne & Bowler Corp., 900 Santa Fe av, Los Angeles, Cal. *See adv index at end of book*
Lucas-Miner Tool & Production Co., 427 Valley, Dayton, O.
Luitwieler Pumping Engine Co., Rochester, N. Y.
McGowan John H. Co., Fourth Nat Bank bldg, Cincinnati, O. *See adv index at end of book*
Manistee Iron Works Co., Manistee, Mich.
Midwest Engine Co., Indianapolis, Ind.
Mine & Smelter Supply Co., 42 B'way, New York
Morris Machine Works, Baldwinsville, N. Y.
Mount Carmel Iron Works, Mount Carmel, Pa.
**MYERS F. E. & BRO.** ("Myers" & "New Century" Bulldozer), 900 Fourth, Ashland, O. *See adv index at end of book*
National Foundry & Machine Co. ("Springer"), Louisville, Ky.
National Steam Pump Co., Upper Sandusky, O.
Norberg Mfg. Co., Chicago & Oklahoma av, Milwaukee, Wis.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn. *See adv index at end of book*
Nye Steam Pump & Machinery Co., 701 N Western av, Chicago, Ill.
Pittsburgh Machine Tool Co. ("Curtis" Rotary), Braddock, Pa.
Platt Iron Works Co., Dayton, O.
Pneumelectric Machine Co., Syracuse, N. Y.
Pomona Mfg. Co., Pomona, Cal.
Pulsometer Steam Pump Co., 220 W 42nd, New York
Pulsometer Steam Pump Co., Irvington, N. J.
Reliance Machine & Tool Works ("Hooker"), Channing & Franklin avs, St. Louis, Mo.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
Schramm Chris D. & Son Inc., 709 Arch, Phila., Pa.
Scranton Pump Co., Scranton, Pa.
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Virginia Electric & Machine Works ("V. E. M. W." Rotary), Charleston, W. Va.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Weinman Pump Co., 300 Spruce, Columbus, O.
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
Wilson-Snyder Mfg. Co., 2 Ross, Pittsburgh, Pa.
Wood Pump Co., 375 Central av S, Los Angeles, Cal.
Woodard Machine Co., Wooster, O.
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York *See adv index at end of book*

## 11893a— Pumps (Molasses)

Davidson M. T. Co., 154 Nassau, New York
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Union av, Minneapolis, Minn. *See adv index at end of book*
Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J.

## 11893b— *Pumps (Naphtha)

Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y. *See adv index at end of book*
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*

## 11894— Pumps (Oil)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Barnes Mfg. Co., Mansfield, O.
**BEACH-RUSS CO.**, 216-224 B'way, New York. *See adv index at end of book*
Becker Milling Machine Co. ("Becker" for Machine Tools), Hyde Park, Mass.
Blackmer Rotary Pump Co., Petoskey, Mich.
Blanke W. F. Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Bowser S. F. & Co., Ft. Wayne, Ind.
Buffalo Steam Pump Co., Buffalo, N. Y.
Butler Mfg. Co., Kansas City, Mo.
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York *See adv index at end of book*
C. H. & E. Mfg. Co. (Portable Gasoline & Kerosene Engine Driven), 384 Clinton, Milwaukee, Wis.
Davidson M. T. Co. (For Light Service), 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J. *See adv index at end of book*
**DEMING CO.**, Salem, O. *See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fossston-Carpenter Co. (Force Feed), St. Paul, Minn.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y. *See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Hopedale Mfg. Co., Roper Dept., Milford, Mass.


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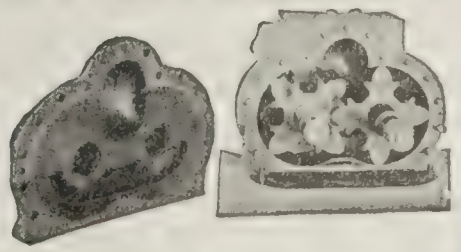

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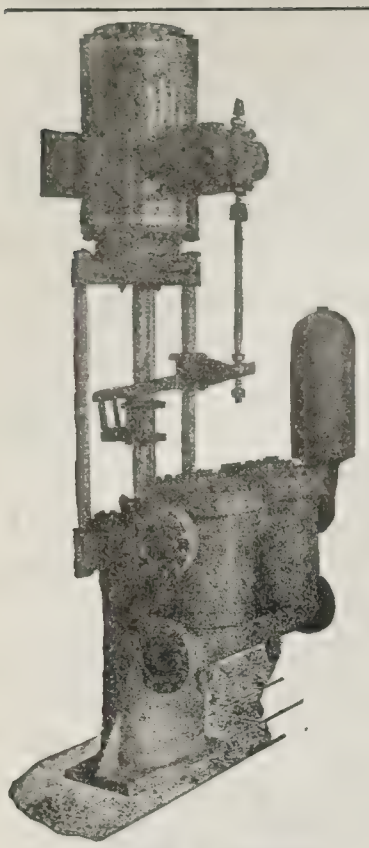

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Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.

**Kraft A. C. ("Aztec," "Bools," "Coco," "Gross," "Heft," "Midget," "Stuhl," "Walker," "W. & E." & "Zetroc"), 323 W. Lake. Chicago, Ill.**

Lobee Pump & Machinery Co., East Buffalo, N. Y.

**LUNKENHEIMER CO.** ("Alpha," "Universal," "Invincible," "Marvel"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

McCullough Mfg. Co., 2636 Central av, *See adv index at end of book*

**McDonald A. Y. Mfg. Co., (Kerosene & Gasoline Pumping Systems) Dubuque, Ia.**

McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*

**NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.**
*See adv index at end of book*

Niagara Lubricator Co., Ellicott sq, Buffalo, N. Y.

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

**Nugent Wm. W. & Co., 146 W Superior, Chicago, Ill.** *See adv index at end of book*

Oberdorer M. L. Brass Co., 810 E Water, Syracuse, N. Y.

**Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.**

Platt Iron Works Co. (Power & Steam), Dayton, O.

Powell William Co., Cincinnati, O.
*See adv index at end of book*

Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J.

**Rockwell W. S. Co., 50 Church, New York**
*See adv index at end of book*

Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.

**Sharlow Bros. Co. (Tin), 442 W 42nd, New York**

Tokheim John J., Cedar Rapids, Ia.

Tokheim Oil Tank & Pump Co. Fort Wayne, Ind.

Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

**Union Steam Pump Co., Battle Creek, Mich.**

Vogt Bros. Mfg. Co., Louisville, Ky.

Wood Pump Co., 375 Central av S, Los Angeles, Cal.

**WORTHINGTON PUMP & MACHY. CORP., 115 B'way, Nek York**
*See adv index at end of book*

## 11895—*Pumps (Oil Burning Outfits)

**National Transit Pump & Machine Co., Oil City, Pa.** *See adv index at end of book*

Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*

## 11895a—*Pumps (Oil, Electric, Plunger & Geared)

Nugent Wm. W. & Co., 146 W Superior, Chicago, Ill.
*See adv index at end of book*

## 11896— Pumps (Oil Line)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.

Aldrich Pump Co., Allentown, Pa.

**Cameron A. S. Steam Pump Works, Bowling Green bldg, New York**
*See adv index at end of book*

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.

**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**

**Fairbanks, Morse & Co., 900 S Wabash av,** Chicago, Ill.

Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*

**Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.** *See adv index at end of book*

Jamieson M. W. & Co., Warren, Pa.

Lucey Mfg. Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*

McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*

**NATIONAL TRANSIT PUMP & MACHINE CO., Oil City, Pa.**
*See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

Union Steam Pump Co., Battle Creek, Mich.

**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

## 11897—Pumps (Oil, Motor Cycle)

**Imperial Brass Mfg. Co., 534 S Racine av, Chicago, Ill.** *See adv index at end of book*

## 11898—Pumps (Oil or Gas Well)

**American Steam Pump Co., Battle Creek, Mich.**

Axelson Machine Co., Los Angeles, Cal.

**Cameron A. S. Steam Pump Works, Bowling Green bldg, New York**
*See adv index at end of book*

Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*

**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**

Gardner Governor Co., 23 Williamson, Quincy, Ill.

Herron R. H. Co., 934 N Alameda, Los Angeles, Cal.

**LUCEY MANUFACTURING CORP., 233 B'way, New York**
*For branch offices see Alphabetical Section*

Masseth Packer & Mach. Co., Butler, Pa.

**Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwich, Conn.**

National Supply Co., Union Bk bldg, Pittsburgh, Pa.

National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*

Norris W. C., Tulsa, Okla.

## 11899—Pumps (Oil Refinery)

Aldrich Pump Co., Allentown, Pa.

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.

Johnson John C., 203 37th, B'klyn, N. Y.

**NATIONAL TRANSIT PUMP & MACHINE CO.,** Oil City, Pa.
*See adv index at end of book*

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

Quimby Wm E., Inc., 209 Parkhurst, Newark, N. J.

## 11900—Pumps (Oil Rotary)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

Beman Automatic Oil Can Co. (Ltd.) ("Beman" Rotary Force for Oil & Other Liquids), Meadville, Pa.

**DEMING CO.,** Salem, O.
*See adv index at end of book*

Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

**Fairbanks, Morse & Co., 900 S Wabash av,** Chicago, Ill.

Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*

Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.

Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*

Lobee Pump & Machinery Co., East Buffalo, N. Y.

**Lucey Mfg. Corp. of Tenn., Chattanooga, Tenn.**

Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

Nugent Wm. W. & Co. (Plunger & Electric), 146 W Superior, Chicago, Ill.
*See adv index at end of book*
Oberdorfer M. L. Brass Co., 810 E Water, Syracuse, N. Y.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Taber Pump Co., Buffalo, N. Y.
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.
Wilgus Mfg. Co. ("Wilgus"), Los Angeles, Cal.
Witt G. E. Co., 862 Howard, San Francisco, Cal.

## 11901—Pumps (Oil, Self-Measuring)

American Oil Pump & Tank Co., Findlay & Dalton, Cincinnati, O.
Beman Automatic Oil Can Co. (Ltd.) ("Beman"), Meadville, Pa.
Bowser S. F. & Co., Fort Wayne, Ind.
Chapin R. E. Mfg. Works ("Guthrie"), Batavia, N. Y.
Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Dayton Pump & Mfg. Co., Dayton, O.
Eastern Oil Tank Co. (Chas. E. Gee, Prop.), Lowell, Mass.
Enterprise Mfg. Co. of Pa., 3d & Dauphin, Phila., Pa.
**FABRICATED STEEL PRODUCTS CORP.,** Box 505, Leetonia, Ohio.
*See adv index at end of book*
Freeland B. F. Sons Co., Sturgis, Mich.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Huffman Recording Pump Co., Dayton, Ohio.
Jones Automatic Measuring Pump Co., Shelbyville, Ind.
Kewanee Private Utilities Co., West Side, Kewanee, Ill.
Kraft A. C., 323 W Lake, Chicago, Ill.
Milwaukee Tank Works ("Milwaukee," "Quality"), Fratney & Becker, Milwaukee, Wis.
National Pump Co., Dayton, O.
Richardson-Phenix Co., 131 2nd, Milwaukee, Wis.
San Diego Machine Co. (For Sardine Canning), San Diego, Cal.
Tokheim John J. (For Gasoline, Lubricating & Paint Oils), Cedar Rapids, Iowa
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.
Vac Liquid Equipment Co. ("Vac"), Cedar Rapids, Ia.
Wayne Oil Tank & Pump Co., Ft. Wayne, Ind.
Western Oil Pump & Tank Co., 2437 Koschusko, St. Louis, Mo.
Wilson F. Cortez Co., 159 W Lake, Chicago, Ill.

## 11902—Pumps (Oil, Tin & Galvanized)

**AMERICAN CAN CO.,** 120 Broadway, New York *See adv index at end of book*
Chapin R. E. Mfg. Works ("Eclipse," "Ideal," "Handy"), Batavia, N. Y.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Gordon-Lawless Co., Omaha, Neb.
Hemp & Co., Vandeventer nr. Shaw, St. Louis, Mo.
Kraft A. C., 323 W Lake, Chicago, Ill.
National Enameling & Stamping Co., 411 5th av, New York

## 11903—Pumps (Outside Packed)

Aldrich Pump Co., Allentown, Pa.
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.

## 11904—Pumps (Packing House)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Beach-Russ Co., 216-224 B'way, New York
*See adv index at end of book*
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*
Midwest Engine Co., Indianapolis, Ind.
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11905—Pumps (Paper Maker's Fan)

Aldrich Pump Co., Allentown, Pa.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Jennings Pump & Dredge Co., 150 N Dearborn, Chicago, Ill.
Morris Machine Works, Baldwinsville, New York
Rumsey Pump Co. (Ltd.) (For Forcing & Raising Pulp, etc), Box J, Seneca Falls, N. Y.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11906— Pumps (Paper Mill)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, Aurora, Ill.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Buffalo Steam Pump Co., Buffalo, N. Y.
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
Chicago Pump Co., 2342 Wolfram av, Chicago, Ill.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Frederick Iron & Steel Co., Frederick, Md.
Jennings Pump & Dredge Co., 180 Dearborn, Chicago, Ill.
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Jennings Pump & Dredge Co., 180 Dearborn, Chicago, Ill.
Kingsford Fdry. & Mach. Works, Oswego, New York
Kinney Mfg. Co. ("Kinney"), 3541 Washington, Boston, Mass.
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
Morris Machine Works, Baldwinsville, New York
Nash Engineering Co. ("Nash" Hydroturbine), South Norwalk, Conn.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Platt Iron Works Co., Dayton, O.
Rice-Barton & Fales Machine & Iron Co., Worcester, Mass.
Smith & Winchester Mfg. Co., S Windham, Conn.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
**WORTHINGTON PUMP & MACHY. CORP.,** 155 B'way, New York
*See adv index at end of book*

## 11907—Pumps (Paper Mill Suction Box Vacuum)

Aldrich Pump Co., Allentown, Pa.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Northern Fire Apparatus Co. 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11907a—*Pumps (Pipe Line)

Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**NATIONAL TRANSIT PUMP & MACHINE CO.,** Oil City, Pa.
*See adv index at end of book*

## 11908—Pumps (Pitcher Spout)

Columbiana Pump Co., Columbiana, O.
Crestline Mfg. Co. ("Crestline"), Crestline, Ohio
Davis-Hansen Co., Oshkosh, Wis.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Flint & Walling Mfg. Co. ("Hosier"), Kendallville, Ind.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hayes Pump & Planter Co., Galva, Ill.
Humphryes Mfg. Co., Mansfield, O.
Lined, Iron or Brass), Mansfield, O.
Love M. A. Mfg. Co., Rockford, Ill.
**MYERS F. B. & BRO.** ("Myers" Brass Cylinder, Cog Gear), 900 Fourth, Ashland, O. *See adv index at end of book*
Peters Pump Co., Kewanee, Ill.
Red Jacket Mfg. Co. ("Red Jacket"), Davenport, Ia.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
Trahern Pump Co., Rockford, Ill.
Ward Pump Co., Rockford, Ill.

## 11909— Pumps (Plantation)

Aldrich Pump Co., Allentown, Pa.
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.,** Salem, O.
*See adv index at end of book*
**ELLICOTT MACHINE CORP.,** 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Midwest Engine Co., Indianapolis, Ind.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11910— Pumps (Plumbers')

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.

PUMPS (PLUMBERS')—continued

Barnes Mfg. Co., Mansfield, O.
Darling O. J. & Co., 372 Kirby av, W Detroit, Mich.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Garrison Brass & Machine Wks., 107 W 13th, New York
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Kirkup Robert & Co., 616 Lodge, Cincinnati, O.
Knapp Mfg. & Supply Co., 241 Water, New York
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
Wolverine Brass Works ("Plumbers' Friend"), Grand Rapids, Mich.

## 11911—Pumps (Plumbers' Force)

Boekel Wm. & Co. (Inclined Air), 518 Vine, Phila., Pa.
Crestline Mfg. Co., Crestline, O.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Elkhart Rubber Works (Rubber), Elkhart, Ind.
Garrison Brass & Machine Wks, 107 W 13th, New York
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Kennedy J. E. ("Little Giant," Lift & Force), 30 E 42d, New York
Penna. Furnace & Stove Co., Warren, Pa.
Perkes Chas. (Est. of), 625 Arch, Phila., Pa.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.

## 11912— Pumps (Plunger)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Bowser S. F. & Co., Ft. Wayne, Ind.
Boyts, Porter & Co. ("Yough," Wood Lead Lined), Connellsville, Pa.
**CAMERON A. S. STEAM PUMP WORKS**, Bowling Green bldg, New York
*See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DUNNING & BOSCHERT PRESS CO., INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Kinney Mfg. Cofl. ("Kinney" Rotating for Heating Plants), 3541 Washington, Boston, Mass.
Laughlin Thos. Co. ("Russell"), Portland, Me.
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*
Mauch Chunk Iron Works, Mauch Chunk, Pa.
Midwest Engine Co., Indianapolis, Ind.
**MYERS F. E. & BRO.** ("Myers") 900 Fourth, Ashland, O.
*See adv index at end of book*
**NATIONA TRANSIT PUMP & MACHINE CO.**, Oil City, Pa.
Nugent W. W. & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*
Pomona Mfg. Co., Pomona, Cal.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Woodard Machine Co., Worcester, O.

## 11913— Pumps (Pneumatic)

See also Pneumatic Pumping Systems

**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Brown E. C. Co., Rochester, N. Y.
Chicago Pump Co. (Water Supply), 2342 Wolfram, Chicago, Ill.
*See adv index at end of book*
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Davis-Hansen Co., Oshkosh, Wis.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Fairbanks, Morse & Co. (Also Auto-Pneumatic), 900 S Wabash av, Chicago, Ill.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Lunt Moss Co., 43 S Market, Boston, Mass.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Merritt Hydraulics Co., 110 N Broad, Phila., Pa.
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
Peters Pump Co., Kewanee, Ill.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
Worthington Pump & Machinery Corp., 115 B'way, New York
*See adv index at end of book*

## 11914—Pumps (Pneumatic Displacement)

Latta-Martin Pump Co., Hickory, N. C.

## 11915— Pumps (Power)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Cement Machine Co., Keokuk, Ia.
**American Steam Pump Co., Battle Creek, Mich.**
American Well Works, Aurora, Ill.
**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
**Bessemer Gas Engine Co., Grove City, Pa.**
**Bowser S. F. & Co., Fort Wayne, Ind.**
**Buffalo Steam Pump Co., Buffalo, N. Y.**
Byron Jackson Iron Works, Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
**Cameron A. S. Steam Pump Works, Bowling Green bldg, New York**
*See adv index at end of book*
**Carlin John H. Machine Co. (& Steam), Pittsburgh, Pa.**
**Challenge Co., Batavia, Ill.**
Clot E. Machine Wks., 940 Bryant, San Francisco, Cal.
**Columbiana Pump Co., Columbiana, O.**
**Columbus Steam Pump Works Co., Columbus, O.**
**Connersville Blower Co., Connersville, Ind.**
**Crestline Mfg. Co. ("Crestline" Belt Driven), Crestline, O.**
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Down" For Various Purposes), Quincy, Ill.
**Dayton Pump & Mfg. Co., Dayton, O.**
**Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.**
Decatur Pump & Mfg. Co. (Elect. & Gasoline Engine), Decatur, Ill.
**De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*
**DEMING CO., Salem, O.**
*See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Dow Pump & Diesel Engine Co., 311 California, San Francisco, Cal.
**Dubois Iron Works (High Duty), Dubois, Pa.**
**DUNNING & BOSCHERT PRESS CO. INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Evans C. H. & Co., 187 Fremont, San Francisco, Cal.**
**Fairbanks, Morse & Co. ("Fairbanks Morse," "Typhoon" & "Eclipse"), 900 S Wabash av, Chicago, Ill.**
**Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.**
**Ft. Wayne Engineering & Mfg. Co., Ft. Wayne, Ind.**
Foster Pump Works Inc. (Electric & Belt Driven), 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**French Oil Mill Machinery Co. (High & Low Pressure for Cottonseed & Linseed Oil Mills, etc), Piqua, O.**
**Fulton Machine & Vise Co., Lowville, N. Y.**
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Glenn & Stiteler, 421 N 19th, Phila., Pa.
**GOULDS MFG. CO.**, 71 W Fall, Seneca
*See adv index at end of book*
*See adv index at end of book*
**Hayes Pump & Planter Co. (Triple Cylinder), Galva, Ill.**
Henion & Hubbell, 219 N Jefferson, Chicago, Ill.
**Humphryes Mfg. Co. (For Contractors' Use), Mansfield, O.**
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
Jarvis Engine & Machine Works ("Jarvis"), Lansing, Mich.
**La Vergne Pump Co. (Portable Gasoline), 284 No 5th, Newark, N. J.**
Lobee Pump & Machinery Co., East Buffalo, N. Y.
Lucas Tool & Production Pump Co. ("Lucas" Double Acting Triplex), 427 Valley, Dayton, Ohio
**McDonald A. Y. Mfg. Co. (Air & Water), Dubuque, Ia.**
**McGOWAN JOHN H. CO.**, Fourth Nat Bank bldg, Cincinnati, O.
*See adv index at end of book*

Built on the interchangeable system under the same rules of inspection inaugurated by the U. S. Shipping Board in the production of pumps for the Emergency Fleet. All pumps are guaranteed to perform the service recommended of them and against any defects arising during term of guarantee.
The John H. McGowan Co.
4th Nat'l Bank Bldg.
Cincinnati, O.


**Mast, Foos & Co. ("Buckeye" Force), Springfield, O.**
Midwest Engine Co., Indianapolis, Ind.
Milwaukee Air Power Pump Co., 886 3d, Milwaukee, Wis.
**MYERS F. E. & BRO. ("Myers" Bulldozer & Hydro-Pneumatic Imperial),** 900 Fourth, Ashland, O.
*See adv index at end of book*
**Nash Engineering Co. ("Nash" Hydro-Turbine., South Norwalk, Conn.**
**National-Standard Co., Box 211, Niles, Mich.**
**NATIONAL TRANSIT PUMP & MACHINE CO.**, Oil City, Pa.
*See adv index at end of book*
Northern Fire Apparatus Co. 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Ohio Valley Supply Co., Marietta, O.
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal., & 33 W 42d, New York
Pacific Pump & Supply Co. (Jobber), 853 Folsom, San Francisco, Cal.
**Peters Pump Co., Kewanee, Ill.**
**Platt Iron Works Co., Dayton, O.**
Pratt & Cady Co., Inc. (Triplex "Davis Duplex"), Hartford, Conn.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Roberts Geo. J. Co., ("Gem"), Dayton, O.
Roots P. H. & F. M. Company, Connersville, Ind.
**Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.**
San Diego Machine Co., San Diego, Cal.
Schramm Chris. D. & Son, Inc., 709 Arch, Phila., Pa.
**Scranton Pump Co., Scranton, Pa.**
Smedley Pump Co., Dubuque, Ia.
Stewart Heater Co., N Tonawanda, N. Y.
Tokheim John J. (For Gasoline Lubricating & Paint Oils), Cedar Rapids, Ia.
**Trimount Rotary Power Co. ("Trimount" Rotary), 18 Heath, Boston, Mass.**
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
**Union Steam Pump Co., Battle Creek, Mich.**
**Vogt Bros. Mfg. Co., Louisville, Ky.**

**Walker Mfg. Co. (Up to 1,000,000 Gallons Daily), Fenton, Mich.**
**Warren Steam Pump Co., Warren, Mass.**
**Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.**
**Weinman Pump Mfg. Co. (Geared, Electric, Belt Driven, etc), 300 Spruce, Columbus, O.**
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*
**Zelnicker Walter A. Supply Co.** (Dealer), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## Pumps (Pressure)

**See Pumps, Steam**

## 11916—Pumps (Pressure Tank)

Aldrich Pump Co., Allentown, Pa.
**Erie Pump & Engine Works, Inc.,** 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Midwest Engine Co., Indianapolis, Ind.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Northern Fire Apparatus Co. 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11917—Pumps (Private Water Works)

Aldrich Pump Co., Allentown, Pa.
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
**Cameron A. S. Steam Pump Works, Bowling Green bldg, New York**
*See adv index at end of book*
**trifugal), East Trenton, N. J.**
*See adv index at end of book*
**DEMING CO., Salem, O.**
*See adv index at end of book*
**Erie Pump & Engine Works, Inc.,** 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Fort Wayne Engng. & Mfg. Co.,** Ft. Wayne, Ind.
**Keystone Driller Co., Beaver Falls, Pa.**
*See adv index at end of book*
**Lawrence Machine Co.** ("Lawrence" Centrifugal), 42 Island, Lawrence, Mass.
*See adv index at end of book*
**Northern Fire Apparatus Co.** 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
**Traylor Engineering & Manufacturing Co.,** Allentown, Pa.
*See adv index at end of book*

## 11918— Pumps (Propeller)

**Advance Pump & Compressor Co,** Flint & Division, Battle Creek, Mich.
**Dean Bros, Steam Pump Works, 327 W 10th, Indianapolis, Ind.**
**Erie Pump & Engine Works, Inc.,** 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.** *See adv index at end of book*
**Morris Machine Works, Baldwinsville, N. Y.**
**Northern Fire Apparatus Co.** 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*
**Wood Pump Co.,** 375 Central av, Los Angeles, Cal.

## 11919—Pumps (Pulp Grinder)

**Dean Bros. Steam Pump Works,** 327 W 10th, Indianapolis, Ind.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
**Erie Pump & Engine Works, Inc.,** 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Gardner Governor Co., 23 Williamson, Quincy, Ill.**
*See adv index at end of book*
**Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.** *See adv index at end of book*
**Northern Fire Apparatus Co.** 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

## 11920— Pumps (Quarry)

**Aldrich Pump Co.,** Allentown, Pa.
**American Well Works,** Aurora, Ill.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
**Dayton-Dowd Co.** ("Dayton-Dowd"), Quincy, Ill.
**De Laval Steam Turbine Co.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.,** Salem, O.
*See adv index at end of book*
**ELLICOTT MACHINE CORP.,** 1111 Bush, Baltimore, Md.
*See adv index at end of book*
**Erie Pump & Engine Works, Inc.,** 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Ingersoll-Rand Co., 11 B'way, New York**
*See adv index at end of book*
**McGowan John H. Co.,** Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
**Traylor Engineering & Manufacturing Co.,** Allentown, Pa.
*See adv index at end of book*
**Vogt Bros. Mfg. Co.,** Louisville, Ky.
**Worthington Pump & Machy. Corp.,** 115 B'way, New York
*See adv index at end of book*

## 11921—*Pumps (Railroad Force)

**DEMING CO.,** Salem, O.
*See adv index at end of book*
**Northern Fire Apparatus Co.** 2422 Univ. av, S E, Minneapolis, Minn.
*See adv index at end of book*

## 11921a—*Pumps (Receiver)

**Erie Pump & Engine Works, Inc.,** 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*

## 11922—Pumps (Reciprocating)

**Cameron A. S. Steam Pump Works, Bowling Green bldg, New York**
*See adv index at end of book*
**Fort Wayne Engng. & Mfg. Co.,** Ft. Wayne, Ind.
**Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y.** *See adv index at end of book*
**McGowan John H. Co.,** Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
**Midwest Engine Co.,** Indianapolis, Ind.
**Plant Engng. & Equipt. Co., Inc.,** 11 John, New York
**Vogt Bros. Mfg. Co.,** Louisville, Ky.

## 11923—Pumps (Reclamation)

**Aldrich Pump Co.,** Allentown, Pa.
**American Well Works,** Aurora, Ill.
**Cameron A. S. Steam Pump Works, Bowling Green bldg, New York**
*See adv index at end of book*
**Dayton-Dowd Co.** ("Dayton-Dowd"), Quincy, Ill.
**De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*
**ELLICOTT MACHINE CORP.,** 1111 Bush, Baltimore, Md.
*See adv index at end of book*
**Erie Pump & Engine Works, Inc.,** 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Goulds Mfg. Co.,** 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
**Keystone Driller Co.,** Beaver Falls, Pa.
*See adv index at end of book*
**Traylor Engineering & Manufacturing Co.,** Allentown, Pa.
*See adv index at end of book*
**Wood Pump Co.,** 375 Central av S, Los Angeles, Cal.

## 11924—Pumps (Return Line Vacuum Heating)

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
**Erie Pump & Engine Works, Inc.,** 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Foster Pump Works Inc.,** 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**Northern Fire Apparatus Co.,** 2422 Univ. av, Minneapolis, Minn.
*See adv index at end of book*
**Vogt Bros. Mfg. Co., Louisville, Ky.**

## 11925— Pumps (Rotary)

**Aterite M. H. Co., Inc.** (For Sulphuric Acid), 55 John, New York
**Bagley & Sewall Co.** (And Reciprocating), **Watertown, N. Y.**
**Barnes Mfg. Co.,** Mansfield, O.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**Blackmer Rotary Pump Co.,** Petoskey, **Mich.**
**Century Pump Co.,** 719 6th, Brooklyn, N. Y.
**Davis-Johnson Mfg. Co.,** 4811 W Jackson, **Chicago, Ill.**
**DEMING CO., Salem, O.**
*See adv index at end of book*
**Diamond Machine Co., Monongahela, Pa.**
**Douglas W. & B., Middletown, Conn.**
**Erie Pump & Engine Works, Inc.,** 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Fairbanks, Morse & Co. (Force, etc), 900 S Wabash av, Chicago, Ill.**
**Foster Pump Works Inc.** (Also Rotary Handle), 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**Goulds Mfg. Co.,** 71 W Fall, Seneca Falls, **N. Y.** *See adv index at end of book*
**Henion & Hubbell,** 219 N Jefferson, Chicago, Ill.
**Hersey Mfg. Co.** (Soap), 314 W 2nd, South Boston, Mass.
**Holyoke Machine Co., Holyoke, Mass.**
**Humphrey Machine Co., Keene, N. H.**
**Humphryes Mfg. Co.** (Garage), Mansfield, Ohio
**Hunt Rodney Mach. Co,** (Fire), Orange, **Mass.**
**Hydraulic Press Mfg. Co.** (Hydraulic), Mt. Gilead, O.
**Lipman Refrigerator Car & Mfg. Co.,** Beloit, Wis.
**Lobee Pump & Machine Co.,** East Buffalo, N. Y.
**Nash Engineering Co.** ("Nash" Hydro-**Turbine), South Norwalk, Conn.**
**Northern Fire Apparatus Co.,** 2422 Univ. av, Minneapolis, Minn.
*See adv index at end of book*
**Perrin Wm. R. & Co.,** 37 W Van Buren, **Chicago, Ill.**
**Pittsburgh Machine Tool Co.** ("Curtis" **Mine), Braddock, Pa.**
**Quimby Wm. E., Inc.,** 209 Parkhurst, Newark, N. J.
**Ross Chas. & Son Co.** ("Ross" for White **Lead & Putty),** 148 Classon av, Brooklyn, N. Y.
**Rumsey Pump Co.** (Ltd.) (Force, Fire & Oil Service), Box J, Seneca Falls, N. Y.
**Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.**
**Taber Pump Co.** (Beer Circulating & Racking, etc), Buffalo, N. Y.
**Trahern Pump Co.** (Hand & Power), Rockford, Ill.
**Trimount Rotary Power Co.** ("Trimount" **Hand & Power),** 18 Heath, Boston, Mass.
**Twinvolute Pump & Mfg. Co.** ("Twinvolute"), 55 William, New York
**Union Tool Co.,** Torrane, Cal.
**Yeomans Bros. Co.,** 1433 Dayton, Chicago, Ill.

## Pumps (Rotary Oil)

**See Pumps, Oil Rotary**

## 11926—Pumps (Rotative Dry Vacuum)

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
**Worthington Pump & Machy. Corp.,** 115 B'way, New York
*See adv index at end of book*

## 11927—Pumps (Sand Feed, Stone Sawing)

**Dean Bros. Steam Pump Works,** 327 W 10th, Indianapolis, Ind.
**Frenier & Son,** Rutland, Vt.

## 11928—Pumps (Sand & Dredging)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**ELLICOTT MACHINE CORP.,** 1111 Bush, Baltimore, Md.
*See adv index at end of book*
**ERIE PUMP & ENGINE WORKS, INC.,** ("Erie"), 141 Glenwood av, Medina, N. Y. *See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fort Worth Well Machy. & Supply Co. (Sand for Cleaning Out), Fort Worth, Tex.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hendy Joshua Iron Works (Spiral Sand Pumps), 75 Fremont, San Francisco, Cal.
Jackson Byron Iron Works, Berkeley, Cal.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kansas City Hay Press Co. ("Lightning" Pump, Sand Only), Kansas City, Mo.
Kingsford Foundry & Machine Works (Belt of Engine Driven, etc), Oswego, N. Y.
Larkin & Co. ("Palm's" Combination Sand Pump & Butler, "Larkin" Improved Sand Pump), Butler, Pa.
Lawrence Pump & Engine Co. ("Vortex" Belt & Engine Driven), Lawrence, Mass.
Lucey Mfg. Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
Norbom Engineering Co. (Dredging), Denckler bldg, Phila., Pa.
Northern Fire Apparatus Co. (Hydraulic Dredging), 2422 Univ. av, S E, Minneapolis, Minn. *See adv index at end of book*
Nye Steam Pump & Machinery Co., 701 N Western av, Chicago, Ill.
Potts C. & A. & Co., Indianapolis, Ind.
Pulsometer Steam Pump Co., 220 W 42nd, New York
Strait H. N. Mfg. Co., Kansas City, Kans.
Taylor-Wharton Iron & Steel Co. (Hydraulic), High Bridge, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
United Iron Works, Oakland, Cal.
Van Wie Pump Co., 715 W Fayette, Syracuse, N. Y.
Wilson-Snyder Centrifugal Pump Co., 2 Ross, Pittsburgh, Pa.
Wood Pump Co., 375 Central av S, Los Angeles, Cal.
Yuba Mfg. Co., Insurance Exch. bldg, San Francisco, Cal.

## 11929— Pumps (Screw)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
Midwest Engine Co., Indianapolis, Ind. Wis.
Quimby, Wm. E. Inc., 209 Parkhurst, Newark, N. J.

## Pumps (Self-Measuring)

See Pumps, Oil, Self-Measuring

## 11930—Pumps (Service & Drip)

Advance Jump & Compressor Co., Flint & Division Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich.
Dean Bros. Steam Pump Works, 327 W 10th. Indianapolis, Ind.
Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Phoenix Meter Co., Camden, N. J.

## 11931— Pumps (Sewage)

Advance Jump & Compressor Co., Flint & Division Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Cement Machine Co., Keokuk, Ia.
American Well Works, Aurora, Ill.
Buffalo Steam Pump Co., Buffalo, N. Y.
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Chicago Pump Co., 2342 Wolfrom, Chicago, Ill. *See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd") Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Dubois Iron Works, Dubois, Pa.
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
**ELLICOTT MACHINE CORP.,** 1111 Bush, Baltimore, Md.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
*See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Jackson Byron Iron Works, Berkeley, Cal.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Latta-Martin Pump Co., Hickory, N. C.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, Ohio
*See adv index at end of book*
Merritt Hydraulics Co., 110 N Broad, Phila., Pa.
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
Platt Iron Works Co., Dayton, Ohio.
Priestman Albert ("Priestman"), 328 Chestnut, Philadelphia, Pa.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wood Pump Co., 375 Central av S, Los Angeles, Cal.
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## 11932—Pumps (Ship & Deck)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Standard Shipfittings Corp., 115 Bway, New York.
*See adv index at end of book*
American Steam Pump Co., Battle Creek, Mich.
Barnes Mfg. Co., Mansfield, O.
Bishop's Wm. Sons (Brass Deck Fire), 18 James, New York
Columbiana Pump Co., Columbiana, O.
Dayton-Dowd Co. ("Dayton-Dowd") Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO. (Centrifugal), East Trenton, N. J.**
*See adv index at end of book*
**DEMING CO.** ("Triumph"), Salem, O.
*See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Garrott W. T. & Co. ("Hooker"), 299 Fremont, San Fransisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Humphryes Mfg. Co., Mansfield, O.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Marine Mfg. & Supply Co, 158 South, New York
Midwest Engine Co. (& Yacht) Indianapolis, Ind.
**MYERS F. E. & BRO.** (Century Defiance, (Handy Billy) 900 Fourth, Ashland, O.
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Union av., S. E. Minneapolis, Minn.
*See adv index at end of book*
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
Sands Alfred B. & Son Co., 20 Vesey, New York
Union Steam Pump Co., Battle Creek, Mich.
Van Duzen, E. W. Co (Steam Jet), 428 E 2d, Cincinnati, O.
Vogt Bros. Mfg. Co., Louisville, Ky.

## 11933— Pumps (Sinking)

Aldrich Pump Co. (Electric, Vertical, Triplex, etc.), Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, Aurora, Ill.
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Steam Pump Co., Buffalo, N. Y.
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Clot E. Machine Wks, 940 Bryant, San Francisco, Cal.
Dayton-Dowd Co. ("Dayton-Dowd") Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Fairbanks, Morse & Co. (Electric & Steam), 900 S Wabash av, Chicago, Ill.
Garrott W. T. & Co. ("Garrott" Jack Head Plunger for Pumps), 299 Fremont, San Francisco, Cal.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.
Jackson Byron Iron Works, Berkeley, Cal.
Krogh Pump & Machy Co., 147 Beale, San Francisco, Cal.
Luitwieler Pumping Engine Co., Rochester, N. Y.
National Steam Pump Co., Upper Sandusky, O.
Platt Iron Works Co., Dayton, O.
Union Iron Works Co., 20th & Michigan, San Francisco, Cal.
Union Steam Pump Co., Battle Creek, Mich.
Traylor Enginering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.
**WORTHINGTON PUMP & MACHY. CORP.** (Steam or Electric Mine), 115 B'way, New York
*See adv index at end of book*

## 11934— Pumps (Size)

**COHOES IRON FOUNDRY & MACHINE CO.,** Cohoes, N. Y.
*See adv index at end of book*
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Saco-Lowell Shops (Hydraulic), 77 Franklin, Boston, Mass.

## 11935— Pumps (Slip)

American Clay Machinery Co. (Portable Hand Power, with Tank), S Walnut, Bucyrus, O *See adv index at end of book*
Crossley Machine Co., (For Clay, etc), State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.

## 11936— Pumps (Slurry)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
*See adv index at end of book*
Traylor Enginering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*

## 11937— Pumps (Slush)

Aldrich Pump Co., Allentown, Pa.
**Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.**
*See adv index at end of book*
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**NATIONAL TRANSIT PUMP & MACHINE CO.,** Oil City, Pa.
*See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa. *See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 1938— Pumps (Soapmakers')

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Steam Pump Co., Battle Creek, Mich.
Davidson M. T. Co., 154 Nassau, New York
Dean Bros., Steam Pump Works, 327 W. 10th, Indianapolis, Ind.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Hersey Mfg. Co. (Rotary), 314 W 2nd, South Boston, Mass.
Lobee Pump & Machy. Co. ("Lobee"), Buffalo, N. Y.
Northern Fire Apparatus Co., 2422 Union av, Minneapolis, Minn.
*See adv index at end of book*
Quimby, Wm. E. Inc., 209 Parkhurst, Newark, N. J.
Vogt Brothers Mfg. Co., Louisville, Ky.

## 1938a— Pumps (Soda)

De Laval Steam Turbine Co. (Centrifugal) E. Trenton, N. J.
*See adv index at end of book*

## 1939— Pumps (Spray)

American Steam Pump Co., Battle Creek, Mich.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Brandt Mfg. Co. ("Eureka," Compressed Air, "Peerless," "Perfection," "Simplex"), 310 3rd av N, Minneapolis, Minn.
Brown E. C. Co. ("Auto Spray"), Rochester, N. Y.
Bushnell Pump Co., Bushnell, Ill.
Columbiana Pump Co., Columbiana, O.
Crestline Mfg. Co., Crestline, O.
Dayton Mfg. Co., Dayton, O.
**DEMING CO.** (Cart, Tank & Power Spray Pumps), Salem, O.
*See adv index at end of book*
Doughten H. W., Moorestown, N. J.
Douglas W. & B., Middletown, Conn.
Eureka Mower Co. (Atomizers), 16 Hickory, Utica, N. Y.
Fairbanks, Morse & Co. ("Typhoon"), 900 S Wabash av, Chicago, Ill.
Few Favorite Mfg. Co. ("Favorite"), 183 W Maple, Columbus, O.
Field Force Pump Co., Elmira, N. Y.
Field Force Pump Co. ("Empire King, Garfield Knapsack," "Wooster," "New "Watson," "Yellow Jacket," "Red Jacket," "Empire Leader," "Junior Leader," "Senior Leader," "Royal Leader," Potato Sprayer), Elmira, N. Y.
Fitzhenry-Guptill Co. (Power), 135 1st, Cambridge, Mass.
Frater H. & Son, Findlay, O.
Friend Mfg. Co. (Hand), Gasport, N. Y.
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hardie Mfg. Co., Hudson, Mich.
Hayes Pump & Planter Co. (Hand & Power), Galva, Ill.
Hess, Snyder Co. ("Novelty"), Massillon, Ohio
Humphryes Mfg. Co., Mansfield, O.
Judd & Leland Mfg. Co. ("Cyclone," "Little Wonder," "Tornado," "Little Grand"), Clifton Springs, N. Y.
Kenigkramer F. F. (For Trees, Whitewashing & Water Painting), 1914 Western av, Cincinnati, O.
Latham & Co., Sandusky, O.
Lauson-Lawton Co., De Pere, Wis.
**LAWRENCE MACHINE CO.,** ("Lawrence" Centrifugal) 42 Island, Lawrence Mass. *See adv index at end of book*
Lowell Specialty Co., Lowell, Mich.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Mast, Foos & Co. ("Buckeye"), Springfield, O.
Morrill & Morley Mfg. Co. ("Eclipse" & "Eureka"), Benton Harbor, Mich.
**MYERS F. E. & BRO.** ("Little Giant," "Imperial" Cog Gear Bucket, "Myers Improved." "Myers Mandy," "Myers O. K.," Myers Panama "Myers Perfect," "Myers" Whitewashing or Painting Machine, "Myers" Hydraulic, "Myers" Cog Chain, "Myers Century," "Myers Pitman" Power, "Myers" Back Geared, "Myers" Fountain, "Myers Faultless," "Defiance," Double Cylinder, & Cog Gear, "Duplex" & Triplex Automatic), 900 Fourth, Ashland, O.
*See adv index at end of book*
Niagara Sprayer Co., Middleport, N. Y.
Northern Fire Apparatus Co., 2422 Univ. av, Minneapolis, Minn.
*See adv index at end of book*
Orchard Machinery Mfg. Co. ("Gamo Triplex" Orchard), Gasport, N. Y.
Peppler Thos. Son & Co. ("Perfection" Sprayers), Hightown, N. J.
Pontiac Tractor Co. (Power), Pontiac, Mich.
Potato Implement Co. (Knapsack Sprayers Atomizers & Powder Guns), Traverse City, Mich.
Red Cross Mfg. Co., Bluffton, Ind.
Rippley Mfg. & Steel Boat Co. (Sprayers), Grafton, Ill.
Rochester Spray Pump Co. ("W. & R."), Rochester, N. Y.
Rome Bicycle Mfg. Co., Rome, N. Y.
Rumsey Pump Co. (Ltd.), (Force), Box J, Seneca Falls, N. Y.
Smith D. B. & Co., Utica, N. Y.
Stahl Wm. Sprayer Co. ("Excelsior" Gas Engine Power), Quincy, Ill.
Standard Stamping Co., Huntington, W. Va.
**STAR BRASS WKS.,** 3120 Carroll av, Chicago, Ill. *See adv index at end of book*
Termaat & Monahan Mfg. Co. (Spraying Outfits), Oshkosh, Wis.
Trahern Pump Co., Rockford, Ill.
Union Steam Pump Co. (Fruit Spraying), Battle Creek, Mich.
Ward Pump Co., Rockford, Ill.

## 11940—Pumps (Spray, Barrel)

Barnes Mfg. Co., Mansfield, O.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Bean Spray Pump Co., San Jose, Cal.
Brandt Mfg. Co. ("Wide World"), 310 3rd av N, Minneapolis, Minn.
Brown E. C. Co. ("Auto-Spray"), Rochester, N. Y.
Bushnell Pump Co., Bushnell, Ill.
Church Bros., Adrian, Mich.
Columbiana Pump Co., Columbiana, O
Crestline Mfg. Co. ("Crestline" Double Acting, etc), Crestline, O.
**DEMING CO.** ("Captain," "Century," "Major"), Salem, O.
*See adv index at end of book*
Douglas W. & B. ("Arlington," "Saybrook"), Middletown, Conn.
Field Force Pump Co. ("Empire King," "Junior Empire"), Elmira, N. Y.
Friend Mfg. Co. Gasport, N. Y.
Goulds Mfg. Co., ("Fruitall" "Pomena," "Standard"), 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hardie Mfg. Co., Hudson, Mich.
Hayes Pump & Planter Co., Galva, Ill.
Humphryes Mfg. Co., Mansfield, O.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
LeRoy Plow Co., LeRoy, N. Y.
Mast, Foos & Co. ("Buckeye"), Springfield, O
Morrill & Morley Mfg. Co., Benton Harbor, Mich.
**MYERS F. E. & BRO.** ("Myers" "Century" "Perfect" Cog Gear), 900 Fourth, Ashland, O. *See adv index at end of book*
Rochester Spray Pump Co., Rochester, N. Y
Rumsey Pump Co. (Ltd.) Box J, Seneca Falls, N. Y.
Smith D. B. & Co. ("Lightning" & "Yankee"), Utica, N. Y.
Stahl Wm. Sprayer Co. ("Excelsior"), Quincy, Ill.

## 11941—Pumps (Spray, Bucket)

Barnes Mfg. Co. ("Perfection"), Mansfield, O.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Bean Spray Pump Co., San Jose, Cal.
Brown E. C. Co. ("Auto-Spray"), Rochester, N. Y.
Bushnell Pump Co., Bushnell, Ill.
Church Bros., Adrian, Mich.
Crestline Mfg. Co. ("Crestline"), Crestline, O.
**DEMING CO.** ("Perfect Success," "Prize," "Success"), Salem, O.
*See adv index at end of book*
Douglas W. & B. ("Aquapeller," "Aqua Jack," "Gardener," "Aquapult," "Aquarius"), Middletown, Conn.
Goulds Mfg. Co. ("Bordeau," "Premier"), 71 W Fall, Seneca Falls, N. Y.
*See adv index at end of book*
Hardie Mfg. Co., Hudson, Mich.
Holl Mfg. Co. ("Novelty"), 45 N Division, Buffalo, N. Y.
Humphryes Mfg. Co., Mansfield, O.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**MYERS F. E. & BRO.** ("Defiance," "Imperial," "Little Giant," "Perfect" Cog Gear Lever) 900 Fourth, Ashland, O.
*See adv index at end of book*
Rochester Spray Pump Co., Rochester, N. Y.
Smith D. B. & Co. ("Lightning"), Utica, N. Y.
Stahl Wm. Sprayer Co. ("Excelsior"), Quincy, Ill.

## 11942— Pumps (Station)

**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av., Minn., Minn.
*See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.

## 11943— Pumps (Steam)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Steam Pump Co., Battle Creek, Mich.
Amer. Well & Prospecting Co., Corsicana, Tex.
American Well Works, Aurora, Ill.
Anderson Mach. & Fdry. Co., Anderson, S. C.
Blake & Knowles Steam Pump Wks., 115 B'way, New York
Blakeslee Mfg. Co., DuQuoin, Ill.
Boyts Porter & Co. ("Yough"), Connellsville, Pa.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Buffalo Steam Pump Co., Buffalo, N. Y.
Burton & Johnson Co., 2301 Center av, Cleveland, O.
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
Carthage Fdry & Machine Works, Carthage, Mo.
Century Pump Co. (Direct Acting & Duplex), 719 6th, Brooklyn, N. Y.
Century Pump Works, Carthage, Mo.
Clot E. Machine Wks, 940 Bryant, San Francisco, Cal.
Columbus Steam Pump Works Co., Columbus, Ohio
Connellsville Machine & Car Supply Co. ("Lafayette"), Connellsville, Pa.
Cook August D. (Deep Well), Lawrenceburg, Ind.
Crawford & McCrimmon Co., Brazil, Ind.
Davidson M. T. Co., 154 Nassau, New York
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
Dow Pump & Diesel Engine Co., 311 California, San Francisco, Cal.
Dubois Iron Works ("Simplex"), Dubois, Pa.
Edwards Jos. & Co., 827 E. 9th, New York

PUMPS (STEAM)—continued

Emerson Pump & Valve Co. ("Emerson" Steam Vacuum), Alexandria, Va.
**Epping-Carpenter Pump Co., ft. 43rd, Pittsburgh, Pa.**
**Evans C. H. & Co. ("Thomson & Evans"),** 187 Fremont, San Francisco, Cal.
**Fairbanks, Morse & Co., 900 S Wabash av,** Chicago, Ill.
**Farrar Pump & Machinery Co.,** Granite bldg., St. Louis, Mo.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**Fritz Geo. J. Foundry & Machine Co. (Brewers' Steam Air), 2018 S 3d, St. Louis, Mo.**
**Furness Bros. Co., 1618 Walnut, Chicago,** Ill.
**GARDNER GOVERNOR CO.,** 23 Williamson, Quincy, Ill.
*See adv index at end of book*
**Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.**
**GODFREY-KEELER CO.,** 70 Warren, New York *See adv index at end of book*
Goyne Steam Pump Co., Ashland, Pa.
Grant Iron Works, Mahanoy City, Pa.
Great Lakes Engng. Works, Real Estate Exch bldg. Detroit, Mich.
**GUILD & GARRISON,** 463 Kent av, Brooklyn, N. Y.
Hall Steam Pump Co. ("Hall"), 213 Galveston, Pittsburgh, Pa.
**Hendy Joshua Iron Works, 75 Fremont,** San Francisco, Cal.
Henion & Hubbell, 219 N. Jefferson, Chicago, Ill.
Hooker Steam Pump Wks., 318 Granite bldg, St. Louis, Mo.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.
*See adv index at end of book*
Jackson Byron Iron Works, Berkeley, Cal.
Jamieson M. W. & Co., Warren, Pa.
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.
Johnson John Co., 203 37th, B'klyn, N. Y.
**KEYSTONE DRILLER CO.** ("Downie"), Beaver Falls, Pa.
*See adv index at end of book*
Keystone Iron Works, 37th & Santa Fe av, Los Angeles, Cal.
Luitwieler Pumping Engine Co., Rochester, N. Y.
**LUCEY MANUFACTURING CORP.** ("Bull Dog," "Lucey"), 233 B'way, New York
*For branch offices see Alphabetical Section*
**McGOWAN JOHN H. CO.,** Fourth Nat Bank bldg, Cincinnati, O.
*See adv index at end of book*
Manistee Iron Works Co. (Marine), Manistee, Mich.
Midwest Engine Co. (High Duty), Indianapolis, Ind.
**Morris Machine Works, Baldwinsville,** N. Y.
**Mt. Carmel Iron Works, Mt. Carmel, Pa.**
National Foundry & Machine Co. ("Reilly"), Louisville, Ky.
**National Steam Pump Co. (High Duty),** Upper Sandusky, O.
**NATIONAL TRANSIT PUMP & MACHINE CO.,** Oil City, Pa.
*See adv index at end of book*
Norbery Mfg. Co., Chicago & Oklahoma, Milwaukee, Wis.
**Northwestern Iron Works (Marine), Seattle, Wash.**
**Nye Steam Pump & Machinery Co., 701 N** Western av, Chicago, Ill.
Ocean Shore Iron Wks., 550 8th, San Francisco, Cal.
*See adv index at end of book*
Pattin Bros. Co., Marietta, O.
Plant Engng. & Equipt. Co., Inc., 11 John, New York
**Platt Iron Works Co. ("Smith-Valle"),** Dayton, O.
Pratt Engineering & Machine Co., Atlanta, Ga.
**Prescott Co., Menominee, Mich.**
Prescott Fred M. Steam Pump Co., 115 B'way, New York
**Pulsometer Steam Pump Co., 220 W 42nd,** New York
**Quimby, Wm. E. Inc., 209 Parkhurst,** Newark, N. J.
**Reilly Steam Pump Works, Louisville, Ky.**
Reliance Machine & Tool Works ("Hooker"), Channing & Franklin av, St. Louis, Mo.
**Rodgers Iron Mfg. Co., Muskegon, Mich.**
Schramm Chris D. & Son Inc., 709 Arch, Phila., Pa.
**Scranton Pump Co., Scranton, Pa.**
Smedley Pump Co., Dubuque, Ia.
**Southwark Fdry & Mach. Co., 430 Washington av, Phila., Pa.**
**Union Iron Works Co., 20th & Michigan,** San Francisco, Cal.
**Union Steam Pump Co.** ("Moore," "Burnham," "Union"), Battle Creek Mich.
**Van Duzen E. W. Co. (Jets), 428 E 2d,** Cincinnati, O.
**Van Wie Pump Co., 715 W Fayette, Syracuse, N. Y.**
**Virginia Foundry & Machine Co.** ("Osborn"), Virginia, Minn.
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
**Walker Mfg. Co., Fenton, Mich.**
**Warren Steam Pump Co., Warren, Mass.**
**Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.**
Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
**Wheeler C. H. Mfg. Co., Lehigh & N. 18th,** Phila., Pa.
**WHEELER CONDENSER & ENGINEERING CO.,** Carteret, N. J.
*See adv index at end of book*
**Wilson-Snyder Mfg. Co., 2 Ross, Pittsburgh, Pa.**
Woodard Machine Co., Wooster, O.
**WORTHINGTON PUMP & MACHY. CORP.** (High or Low Pressure), 115 B'way, New York
*See adv index at end of book*
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 11944—Pumps (Steam Turbine)

**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Union av., Minn., Minn.
*See adv index at end of book*
**WHEELER CONDENSER & ENGINEERING CO.,** Carteret, N. J.
*See adv index at end of book*

## Pumps (Stuff)

**See Pumps, Fan & Stuff**

## 11945—Pumps (Suction Box)

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
**Dean Bros. Steam Pump Works, 327 W** 10th, Indianapolis, Ind.
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
**Worthington Pump & Machy. Corp., 115** B'way, New York
*See adv index at end of book*

## 11946-7—Pumps (Sugar House)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
**American Steam Pump Co., Battle Creek,** Mich.
American Wells Works, Aurora, Ill.
**BYRON JACKSON IRON WORKS,** Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York
Dayton-Dowd Co. ("Dayton-Dowd") Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Dubois Iron Works, Dubois, Pa.
**Epping-Carpenter Pump Co., ft. 43rd,** Pittsburgh, Pa.
Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
**GUILD & GARRISON,** 463 Kent av, Brooklyn, N. Y.
**HAUBTMAN & LOEB CO. LTD.,** 618 Magazine, New Orleans, La.
*See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., Fourth Nat. Bank Bldg., Cincinnati, O.
*See adv index at end of book*
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
**NORTHERN FIRE APPARATUS CO.,** 2422 Univ. av, Minneapolis, Minn .
*See adv index at end of book*
Pioneer Iron Wks., 149 Pioneer, Bklyn, N. Y.
Platt Iron Works Co., Dayton, O.
Roots P. H. & F. M. Company, Connersville, Ind.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
Squier Geo. L. Mfg. Co., Buffalo, N. Y.
Trahern Pump Co., ("Rotary") Rockford, Ill.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
**Union Steam Pump Co., Battle Creek,** Mich.
Vogt Bros. Mfg. Co., Louisville, Ky.
Woodard Machine Co., Wooster, O.
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## Pumps (Sulphur Fume)

**See Pumps, Centrifugal**

## 11948— Pumps (Syphon)

**Barnes Mfg. Co., Mansfield, O.**
Challenge Co., Batavia, Ill.
**Chaplin-Fulton Mfg. Co., 34 Penn av,** Pittsburgh, Pa.
Crestline Mfg Co. (Force), Crestline, O.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
**Eynon-Evans Mfg. Co., N 15th & Clearfield, Phila., Pa.**
**Flint & Walling Mfg. Co., Kendallville, Ind.**
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Humphryes Mfg. Co., Mansfield, O.
Leng's John S. Son & Co., 33 Murray, New York
**MYERS F. E. & BRO.,** ("Myers"), 900 Fourth, Ashland, O.
*See adv index at end of book*
**Schutte & Koerting Co., 1251 N 12th,** Phila., Pa.

## 11949— Pumps (Syrup)

Aldrich Pump Co., Allentown, Pa.
De Laval Steam Turbine Co., (Centrifugal) E. Trenton, N. J.
*See adv index at end of book*
Foster Pump Works Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill. *See adv index at end of book*
Quimby, Wm. E. Inc., 209 Parkhurst, Newark, N. J.
Northern Fire Apparatus Co., 2422 Univ. av, Minneapolis, Minn.
*See adv index at end of book*
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Vogt Bros. Mfg. Co., Louisville, Ky.

## 11950— Pumps (Tail)

Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 11951— Pumps (Tank)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
American Well Works, Aurora, Ill.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Barnes Mfg. Co., Mansfield, O.
**BEACH-RUSS CO.**, 216-224 B'way. New York *See adv index at end of book*
Blake Pump & Condenser Co., Fitchburg, Mass.
Blakeslee Mfg. Co., Du Quoin, Ill.
Bowser S. F. & Co., Fort Wayne, Ind.
Boyts Porter & Co., Connellsville, Pa.
Bushnell Pump Co. (Tubular Well), Bushnell, Ill.
Butler Co., Butler, Ind.
**CAMERON A. S. STEAM PUMP WORKS**, Bowling Green bldg, New York
*See adv index at end of book*
Cedar Rapids Pump Co., Cedar Rapids Ia.
Church Bros., Adrian, Mich.
Clot, E. Machine Wks., 940 Bryant, San Francisco, Cal.
Columbiana Pump Co., Columbiana, O.
Crestline Mfg. Co. ("Crestline" Power, for Threshman, etc), Crestline, O.
Davidson M. T. Co. 154 Nassau, New York.
Davis-Hansen Co., Oshkosh, Wis.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Dempster Mill Mfg. Co., Beatrice, Neb.
Douglas W. & B., Middletown, Conn.
Dubois Iron Works, Dubois, Pa.
Epping-Carpenter Pump Co., ft. 43rd, Pittsburgh, Pa.
Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co. ("Hoosier" Double Acting), Kendallville, Ind.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Friend Mfg. Co., Gasport, N. Y.
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hayes Pump & Planter Co., Galva, Ill.
Heller-Aller Co., Napoleon, O.
Humphryes Mfg. Co., Mansfield, O
Jennings Pump & Dredge Co, 180 N. Dearborn, Chicago, Ill.
Love M. A. Mfg. Co. (Thresher, etc), Rockford, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McGowan Jno. H. Co., Fourth Nat. Bank Bldg., Cincinnati, O.
*See Adv index at end of book*
Manistee Iron Works Co., Manistee, Mich.
Mast, Foos & Co. ("Buckeye"), Springfield, O.
Midwest Engine Co., Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
**MYERS F. E. & BRO.** ("Myers" Low Down, "Myers Century" Low Down, "Myers" Cog Gear Low Down, "Myers" Faultless Low Down & "Myers" Geared), 900 Fourth, Ashland, O.
*See adv index at end of book*
National Steam Pump Co. (Low Duty), Upper Sandusky, O.
**NATIONAL TRANSIT PUMP & MACHINE CO.**, Oil City, Pa.
*See adv index at end of book*
Nott W. S. Co., 2d av N & 3d, Minneapolis, Minn.
Platt Iron Works, Co., Dayton, Ohio.
Quimby Wm. E., Inc., 209 Parkhurst, Newark, N. J.
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co. ("Red Jacket," Double Acting Force, etc.), Davenport, Ia.
Rumsey Pump Co. (Ltd.), Seneca Falls, N. Y.
Stewart Heater Co., N Tonawanda, N. Y.
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.
Trahern Pump Co., Rockford, Ill.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Vogt Bros. Mfg. Co., Louisville, Ky.
Wagener Steam Pump Co., Canton, O.
Ward Pump Co. (Thresher, etc.), Rockford, Ill.
Woodard Machine Co. (Duplex), Wooster, O.
**WORTHINGTON PUMP & MACHY. CORP.**, 115 B'way, New York
*See adv index at end of book*

## 1952— Pumps (Tannery)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York.
Dayton-Dowd Co., ("Dayton-Dowd") Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Dubois Iron Works, Dubois, Pa.
Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.
Edson Mfg. Co. ("Edson"), 257 Atlantic av. Boston, Mass.
Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
*See adv index at end of book*
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., Fourth National Bank Bldg., Cincinnati, Ohio.
*See adv index at end of book*
Morris Machine Works, Baldwinsville, N. Y.
National Transit Pump & Machine Co., Oil City, Pa. *See adv index at end of book*
Taber Pump Co., Buffalo, N. Y.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Turner Tanning Machy. Co. ("Turuer," Rotary Liquor), Peabody, Mass.
Vogt Bros. Mfg. Co., Louisville, Ky.
Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## 11953— Pumps (Tar)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
American Steam Pump Co., Battle Creek, Mich.
**CAMERON A. S. STEAM PUMP WORKS**, Bowling Green bldg, New York
*See adv index at end of book*
Davidson M. T. Co., 154 Nassau, New York.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Kinney Mfg. Co., 3529 Washington, Boston, Mass.
McGowan John H. Co., Fourth National Bank bldg, Cincinnati, O.
*See adv index at end of book*
**NORTHERN FIRE APPARATUS CO.**, 2422 Univ. av, Minneapolis, Minn.
*See adv index at end of book*

## 11954— Pumps (Test)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
American Steam Pump Co., Battle Creek, Mich.
Ashcroft Mfg. Co., 119 W 40th, New York
Belfield H. Co., 435 N Broad, Phila., Pa.
Boekel Wm. & Co. (Gas Fitters), 518 Vine, Phila., Pa.
Cleveland Steam Gauge Co., 1108 W 9th, Cleveland, O.
Crosby Steam Gage & Valve Co. ("Crosby") 40 Central, Boston, Mass.
*See adv index at end of book*
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Garrison Brass & Machine Works, 107 W 13th, New York
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Henderer's A. L. Sons (Boiler Makers), Wilmington, Del.
National Gauge Co., 300 Pacific, Brooklyn, N. Y.
National Steam Specialty Co. ("National," Screw for Testing Gauges, Steam Gauge, etc), 16 S Clinton, Chicago, Ill.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
**SCHAEFFER & BUDENBERG MFG. CO.** (Inspectors, Portable), Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.

## Pumps (Tire)

See Pumps, Air, Tire

## 11955 —Pumps (Tower)

Aldrich Pump Co., Allentown, Pa.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av., Medina, N. Y.
*See adv index at end of book*

## 11955a— Pumps (Track)

Worthington Pump & Machy. Corp., 115 B'way, New York
*See adv index at end of book*

## Pumps (Trench)

See Pumps, Diaphragm

## 11956— Pumps (Triplex)

Aldrich Pump Co., Allentown, Pa.
C. H. & E. Mfg. Co. (Portable Gasoline & Kerosene Engine Driven) 384 Clinton, Milwaukee, Wis.
Davidison M. T. Co. (Vertical), 154 Nassau, New York.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Dudgeon Richard (Hydraulic), 24 Columbia, New York
**DUNNING & BOSCHERT PRESS CO. INC.**, 379 W Water, Syracuse, N. Y.
*See adv index at end of book*
Economy Pumping Machy Co., 122 Curtis, Chicago, Ill.
Fairbanks, Morse & Co. (Power), 900 S Wabash av, Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
**GOULDS MFG. CO.**, 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hydraulic Press Mfg. Co (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Kewanee Private Utilities Co. ("Kewanee" Long Stroke), West Side, Kewanee, Ill.

PUMPS (TRIPLEX)—continued

Luitwieler Pumping Engine Co., Rochester, N. Y.
**NATIONAL TRANSIT PUMP & MACHINE CO.,** Oil City, Pa.
*See adv index at end of book*
Platt Iron Works Co., Dayton, Ohio.
Rumsey Pump Co., (Ltd.), Box J, Seneca Falls, N. Y.
Scranton Pump Co., Scranton, Pa.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*
Yeomans Bros. Co., 1433 Dayton, Chicago, Ill.

## 11957— Pumps (Turbine)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
**ALBERGER PUMP & CONDENSER CO.,** 140 Cedar, New York
Buffalo Steam Pump Co., Buffalo, N. Y.
**BYRON JACKSON IRON WORKS,** Sharon bldg., San Francisco, Cal.
*See adv index at end of book*
**CAMERON A. S. STEAM PUMP WORKS,** Bowling Green bldg, New York
*See adv index at end of book*
Chicago Pump Co. (Electric Driven Multi-Stage), 2342 Wolfram, Chicago, Ill.
*See adv index at end of book*
Coppus Engng. & Equipment Co. (Feed), Worcester, Mass.
Dayton-Dowd Co., ("Dayton-Dowd") Quincy, Ill.
D'Olier Centrifugal Pump & Machine Co., 1421 Chestnut, Phila., Pa.
De Laval Steam Turbine Co. (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
Economy Pumping Machy. Co., 122 Curtis, Chicago, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
**Fairbanks, Morse & Co. (Single & Multi Stage), 900 S Wabash av, Chicago, Ill.**
**GOULDS MFG. CO., 71 W Fall, Seneca Falls, N. Y.**
*See adv index at end of book*
Hunt Rodney Machine Co., Orange, Mass.
**Jackson Byron Iron Works, Berkeley, Cal.**
Kerr Turbine Co., Wellsville, N. Y.
Kingsford Foundry & Machine Works (Motor Driven), Oswego, N. Y.
Krogh Pump & Machy. Co. (For High Lights), 147 Beale, San Francisco, Cal.
**LAWRENCE MACHINE CO.** ("Lawrence" Steam & Motor Driven, etc), 42 Island, Lawrence, Mass.
*See adv index at end of book*
**Lawrence Pump & Engine Co. "Vortex" Steam & Motor Driven, etc), Lawrence, Mass.**
**Layne & Bowler Co., 37 W Van Buren Chicago, Ill.**
**Lea-Courtenay Co., 5 Main, Newark, N. J**
Midwest Engine Co. Indianapolis, Ind.
**Nash Engineering Co. ("Nash," Hydro Turbine), South Norwalk, Conn.**
Platt Iron Works Co., Dayton, O.
Power Turbo Blower Co., 347 Madison av New York
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Vulcan Iron Works Co. ("Pennington"), Denver, Colo.
**WORTHINGTON PUMP & MACHY. CORP.** (Also Centrifugal), 115 B'way, New York *See adv index at end of book*

## 11958—Pumps (Underground Force)

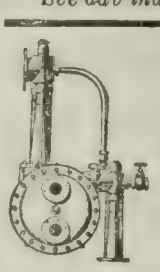
Love M. A. Mfg. Co., Rockford, Ill.
Northern Fire Apparatus Co., 2422 Univ. av, Minneapolis, Minn.
*See adv index at end of book*
Trahern Pump Co., Rockford, Ill.
Ward Pump Co. (Three Way, etc), Rockford, Ill.

## 11959—Pumps (Underwriters')

Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Platt Iron Works Co., Dayton, O.
Vogt Bros. Mfg. Co., Louisville, Ky.
**WORTHINGTON PUMP & MACHY CORP.,** 115 B'way, New York
*See adv index at end of book*

## 11960— Pumps (Vacuum)

Abbe Engineering Co. (High or Low Vacuum), 216-224 B'way, New York
*See adv index at end of book*
Abbe Paul O., 30 Broad, New York.
Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.
**ALBERGER PUMP & CONDENSER CO.,** 140 Cedar, New York
Aldrich Pump Co., Allentown, Pa.
American Air Compressor Works, 26 Cortlandt, New York
**American Compressor & Pump Co., 801 E Pratt, Baltimore, Md.**
American Electric Air Pump Co. (Small), Penn & Barbeau, Pittsburgh, Pa.
American Steam Pump Co., Battle Creek, Mich.
Astle H. J. & Co. ('Boland," Noiseless, Positive), 118 Orange, Providence, R. I.
**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*
Bishop & Babcock Co. ("B. & B." Automatic Hydraulic, for Heating Systems), 1204 E 55th, Cleveland, O.
**Blake Pump & Condenser Co., Fitchburg, Mass.**
**Blakeslee Mfg. Co., Du Quoin, Ill.**
Braun-Knecht-Heimann & Co., 576-584 Mission, San Francisco, Cal.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Buffalo Steam Pump Co. (Crank & Flywheel & Single Cylinder), Buffalo, N. Y.
Burrell D. H. & Co. ("B-L-K"), Little Falls, N. Y.
Bury Compressor Co., Erie, Pa.
Cameron A. S. Steam Pump Works, Bowling Green bldg, New York
*See adv index at end of book*
**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th, New York, N. Y.
*See adv index at end of book*
Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*
Columbus Steam Pump Works Co., Columbus, Ohio
Connorsville Blower Co., Connorsville, Ind.
**CROWELL MFG. CO.** ("Crowell"), 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*
Davidson M. T. Co. (Air & Vacuum), 154 Nassau, New York.
Dean Bros., Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DEMING CO.,** Salem, O.
*See adv index at end of book*
Devine J. P. Co. ("Emil Passburg" System), Buffalo, N. Y.
Eimer & Amend, 205 3d av, New York
Emerson Pump & Valve Co. ("Emerson" Steam), Alexandria, Va.
Epping-Carpenter Pump Co., ft. 43rd, Pittsburgh, Pa.
Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Gen'l Compressed Air & Vacuum Machy. Co., St. Louis, Mo.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
**GUILD & GARRISON,** 463 Kent av, Brooklyn, N. Y.
Hall Steam Pump Co., ("Hall"), 213 Galveston, Pittsburgh, Pa.
Hubbard's Norman Sons ("Niagara" "Improved Packard"), 265 Water, Brooklyn, N. Y.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Kinney Mfg. Co. ("Kinney" for Condensers, Evaporation, etc), 3541 Washington, Boston, Mass.
Leiman Bros., 81 Walker, New York.
Lobee Pump & Machinery Co., East Buffalo, N. Y.
McGowan John H. Co., Fourth National Bank bldg., Cincinnati, Ohio.
*See adv index at end of book*
**MESTA MACHINE** CO., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Nash Engineering Co. ("Nash" Hydro-Turbine), South Norwalk, Conn.
National Foundry & Machine Co., Louisville, Ky.
National Steam Pump Co. ("National"), Upper Sandusky, O.
**New York Air Brake Co., 165 B'way, N. Y.**
Northern Fire Apparatus Co. (Steam Heating), 2422 Univ. av, Minneapolis, Minn.
*See adv index at end of book*
Oliver Continuous Filter Co. ("Oliver"), 503 Market, San Francisco, Cal., & 33 West 42nd, New York
Plant Engng. & Equipt. Co., Inc., 11 John, New York
Platt Iron Works Co., Dayton, O.
**Powers Regulator Co., 5 S Wabash av, Chicago, Ill.**
Provost Engineering Co., 216-224 B'way, New York
Roots P. H. & F. M. Company ("Root's" Small Power Blower), Connersville, Ind.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Scranton Pump Co., Scranton, Pa.
Sullivan Machinery Co., Peoples Gas bldg., Chicago, Ill.
Trimount Rotary Power Co. ("Trimount," Rotary), 18 Heath, Boston, Mass.
**Union Steam Pump Co., Battle Creek, Mich.**
Vogt Bros. Mfg. Co., Louisville, Ky.
**Wagener Steam Pump Co., Canton, O.**
**Weinman Pump Mfg. Co., 300 Spruce, Columbus, O.**
**West St. Louis, Machine & Tool Co., 606 Vandeventer av, St. Louis, Mo.**
**Wheeler C. H. Mfg. Co.("Pratt," "C. H. Wheeler-Thyssen"), Lehigh av & N 18th, Phila., Pa.**
**WHEELER CONDENSER & ENGNG. CO.** ("Wheeler," "Wheeler - Edwards," "Wheeler Turlo," Rotary Dry, also "Wheeler Direct Acting," "Wheeler Steam Jet"), Carteret, N. J.
*See adv index at end of book*

VACUUM PUMPS

High quality, high vacuum pumps of all kinds—Wheeler Turbo Air Pumps, Wheeler-Edwards Air Pumps, Rotative Dry Vacuum Pumps, Steam Jet Air Pumps, etc.

WHEELER CONDENSER & ENGINEERING CO.
Carteret, New Jersey


**Wilbraham-Green Blower Co., Pottstown, Pa.**
**WORTHINGTON PUMP & MACHINERY CORP.** (Hydraulic), 115 B'way, New York. *See adv index at end of book*
York Elec. & Mach. Co., York, Pa.

## 11961—*Pumps (Vacuum Cleaning)

**BEACH-RUSS CO.,** 216-224 B'way, New York *See adv index at end of book*

## 11962—*Pumps (Vacuum Distillation)

**BEACH-RUSS CO.,** 216-224 B'way, New York. *See adv index at end of book*
**CROWELL MFG. CO.** ("Crowell") 290 Taaffe pl, Brooklyn, N. Y.
*See adv index at end of book*

## 11963—Pumps (Vacuum, Dry & Wet)

**ALBERGER PUMP & CONDENSER CO.,** 140 Cedar, New York
American Well Works (Wet, Geared Type, Steam Turbine Driven), Aurora, Ill.
**BEACH-RUSS CO.,** 216-224 B'way, New York. *See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**CAMERON A. S. STEAM PUMP WORKS** (Direct Acting & Crank & Fly-Wheel), Bowling Green bldg, New York
*See adv index at end of book*
Oliver Continuous Filter Co. (Dry), 503 Market, San Francisco, Cal., & 33 W 42nd, New York.
Vogt Bros. Mfg. Co., Louisville, Ky.
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

# Crowell

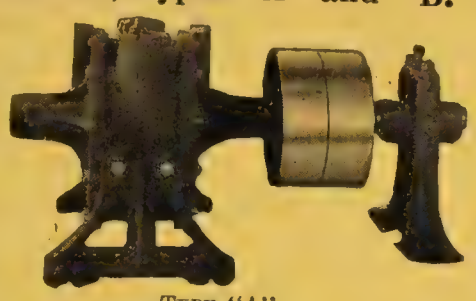
## Mfg. Co. Brooklyn, N. Y.

***Sole Manufacturers under Patents of Crowell Rotary Air Compressors, Vacuum Pumps and Pressure Blowers for Laboratory Work, Chemical Plants, Gas and Oil Furnaces.***

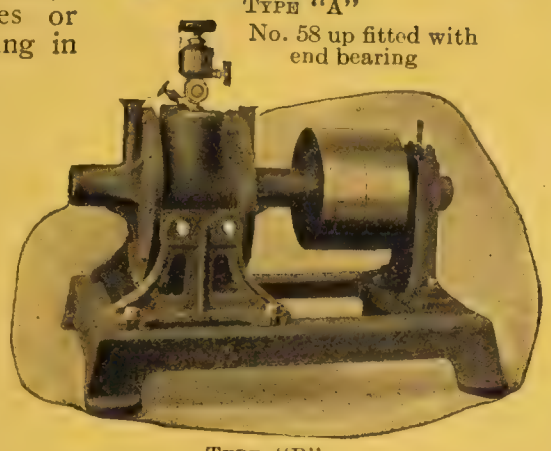
### Positive Pressure Blowers, Types "A" and "B."

Adapted for all purposes requiring air under pressure of 1 to 8 lbs. per sq. in., or any degree of vacuum not exceeding 20 ins.

Construction, same in both types, consisting of an internal drum and shaft carrying sliding blades or pistons operating in close contact with cylinder walls, giving simple positive action. No springs, gears, valves, or unbalanced parts, and pressure not dependent upon high speeds or centrifugal force.



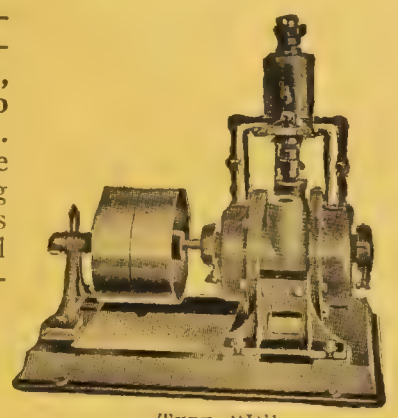
TYPE "A"
No. 58 up fitted with end bearing



TYPE "B"

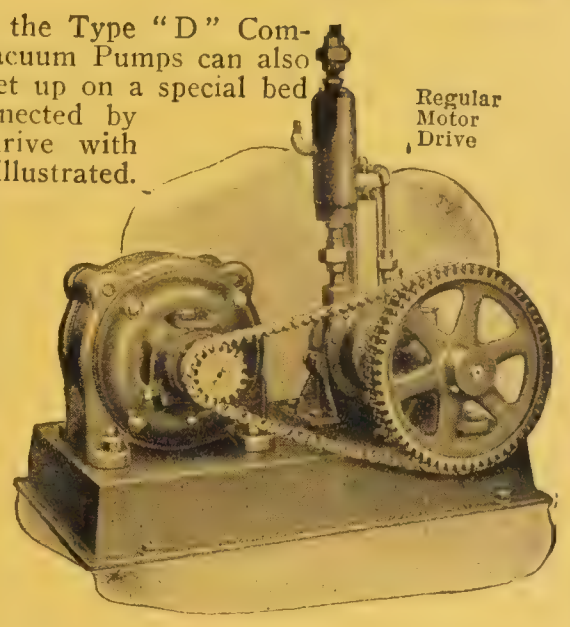
### Rotary Compressor or Vacuum Pump, Type "D."

Single stage pump, designed for working pressure of 25 lbs. per sq. in., or vacuum of from 29 to 30 ins. (mercury column). It is of simple, positive and durable action, having no valves, springs, gears or unbalanced parts, and requiring no special foundation.



TYPE "D"

All sizes of the Type "D" Compressors or Vacuum Pumps can also be furnished set up on a special bed plate and connected by silent chain drive with motor as illustrated. These Outfits are made up to order only and as per specifications as to motor, etc., and prices will be quoted accordingly.



Regular Motor Drive

### DATA, POSITIVE PRESSURE BLOWERS, TYPES "A" AND "B"

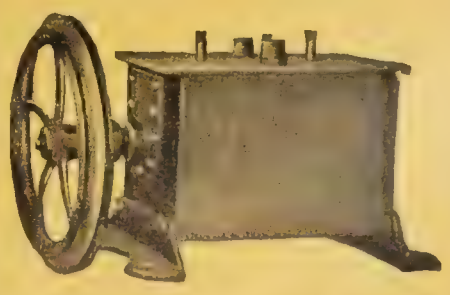
| GENERAL DETAILS TYPES "A" AND "B" | | | | | | | TYPE "A" | | | TYPE "B" | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Size number | Free air capacity: Cu. ins. per rev. | Free air capacity: Cu. ft. per min. at max. speed | Rev. per min., max. speed | Approx. h. p. at 3 lbs. pressure | Pulleys, ins. | Pipe size, inlet and outlet, ins. | Net weight, lbs. | Floor space, ins. | List price | Net weight, lbs. | Floor space, ins. | List price |
| 1 | 20 | 6.9 | 600 | ⅛ | 4x1 | ½ | 24 | 10 x 6¼ | $28.00 | 42 | 14x10 | $38 00 |
| 2 | 45 | 13. | 500 | ¼ | 4x1½ | W | 34 | 12½x 6½ | 36.00 | 55 | 16x11 | 46.00 |
| 3 | 125 | 25.3 | 350 | ½ | 6x2½ | 1 | 90 | 22 x14 | 58.00 | 145 | 25x20 | 68.00 |
| 4 | 280 | 40.5 | 250 | 1 | 9x3 | 1½ | 170 | 28 x17 | 75.00 | 240 | 30x23 | 85.00 |
| 5 | 460 | 53.2 | 200 | 1½ | 10x3 | 2 | 225 | 34 x20 | 110.00 | 330 | 37x25 | 125.00 |
| 6 | 690 | 79.8 | 200 | 2 | 12x4 | 2 | 320 | 38 x20 | 150.00 | 570 | 41x25 | 170.00 |
| 8 | 1050 | 121.5 | 200 | 3½ | 14x6 | 2½ | 575 | 48 x22 | 210.00 | 790 | 50x27 | 250.00 |
| 10 | 1660 | 192. | 200 | 5 | 18x6 | 3 | 770 | 54 x28 | 280.00 | 1050 | 56x33 | 345.00 |
| 12 | 3390 | 392.3 | 200 | 7 | 20x6 | 4 | 1300 | 60 x31 | 480.00 | 1770 | 62x36 | 545.00 |

### DATA, TYPE "D" ROTARY COMPRESSOR OR VACUUM PUMP

| Size number | Free air capacity: Cu. ins. per rev. | Free air capacity: Cu. ft. per min. at max. speed | Rev. per min., max. speed | Approx. h. p. at 15 lbs. pressure or 29 ins. of vacuum | Pulleys tight and loose, ins. | Approx. net weight, lbs. | Pipe size, inlet and outlet, ins. | Floor space, ins. | List price |
|---|---|---|---|---|---|---|---|---|---|
| 1-D | 15 | 4.3 | 500 | ½ | 6x2 | 70 | ½ | 13x18 | $78.00 |
| 2-D | 40 | 9.2 | 400 | 1 | 8x2 | 115 | ¾ | 14x22 | 95.00 |
| 3-D | 100 | 17. | 300 | 2 | 12x4 | 250 | 1 | 19x34 | 125.00 |
| 4-D | 286 | 40.5 | 250 | 4 | 14x4 | 425 | 1½ | 23x38 | 220.00 |
| 5-D | 400 | 46. | 200 | 5 | 18x6 | 580 | 2 | 26x44 | 245.00 |
| 6-D | 600 | 69.4 | 200 | 6½ | 18x8 | 725 | 2 | 26x55 | 320.00 |
| 8-D | 1000 | 115.7 | 200 | 9 | 20x8 | 1150 | 2½ | 30x64 | 440.00 |
| 10-D | 1650 | 190.9 | 200 | 12 | 22x10 | 1675 | 3 | 36x70 | 650.00 |
| 12-D | 3390 | 392. | 200 | 20 | 24x10 | 2150 | 4 | 38x75 | 1000.00 |

### Crowell No. 0, Type "D."
### For Use in Small Laboratories and all Other Experimental Work

Designed for intermittent operation and specially adapted for vacuum work; can exhaust to a vacuum of from 29½ to 30 ins. (mercury column). Fitted in oil immersion box, which makes it leakproof, or can be used without box. Capacity about 2 cu. ft. of free air per minute, requiring ¼ h. p. to operate.



TYPE "O-D" PUMP IN OIL IMMERSION BOX

Price (with oil box), **$66.00** —(without), **$55.00**

# Deming

## HAND AND POWER PUMPS FOR ALL USES

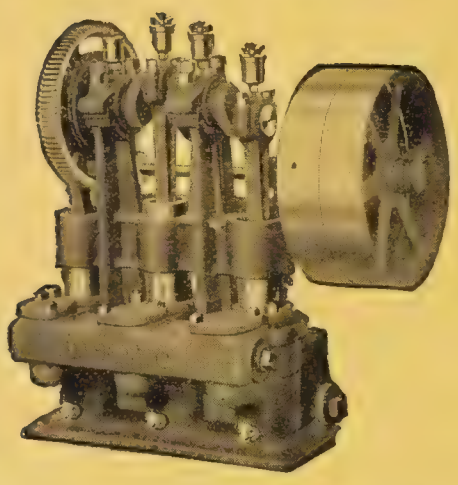


*FIG 50*

*Single Acting Triplex Power Pump for Boiler Feeding and General Water Supply. Capacities from 300 to 60,000 gallons per hour, in Standard Sizes.*

Whatever the pumping need, there is a Deming Pump built to exactly fit the requirement. There are "over a thousand Deming pumps of different types and sizes," and back of every pump are 40 years of specialized effort and a 40 year reputation for integrity to guarantee dependable, economical service from the pump you buy.

Tell us the source of supply; vertical elevation from surface of water to pumps, elevation from pump to discharge; power available; purpose for which pump is to be used; approximate quantity of water desired, and we will gladly recommend the pumping outfit best suited to your needs.

*FIG 80*

*Power Working Head for Deep Wells. For Wells 540 Feet Deep or Less.*

## THE DEMING COMPANY

**Established 1880** **SALEM, OHIO**

***Hand and Power Pumps for All Uses***

*FIG 73*

*Deming Mine Pump. One of Our Many Different Mine Pumps. Valves are Easily Accessible. Gears are Carefully Guarded. Capacities from 3,000 to 9,000 gallons per hour.*

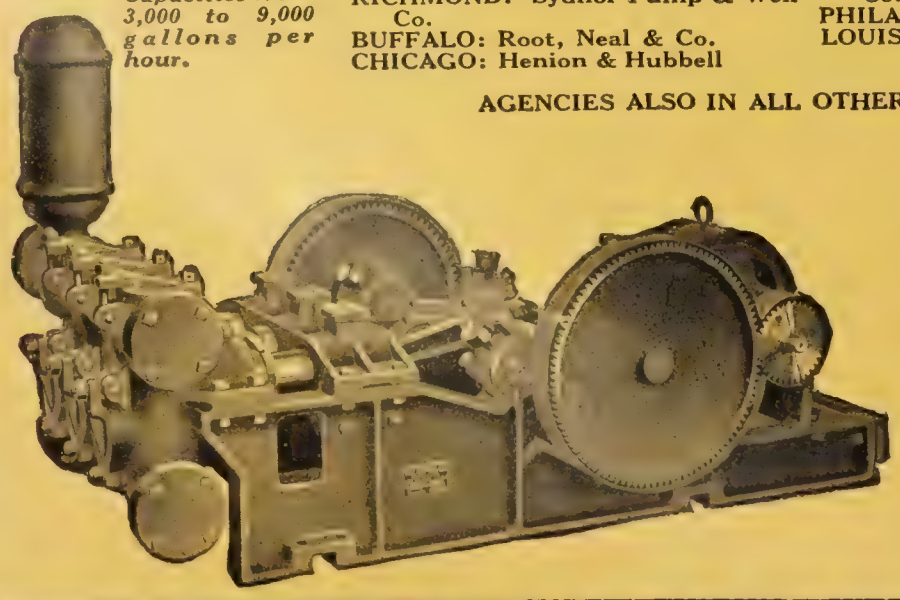
**GENERAL DISTRIBUTORS**

NEW YORK CITY: Ralph B. Carter Co.
BOSTON: Chas. J. Jager Co.
PITTSBURGH: Harris Pump & Supply Co.
RICHMOND: Sydnor Pump & Well Co.
BUFFALO: Root, Neal & Co.
CHICAGO: Henion & Hubbell
SAN FRANCISCO: Crane Co.
DENVER: Hendrie & Bolthoff Mfg. & Supply Co.
CHARLOTTE, N. C.: Realty Bldg.
DETROIT: Kerr Machinery & Supply Co.
PHILADELPHIA: W. P. Dallett Co.
LOUISVILLE: Laib Co.

**AGENCIES ALSO IN ALL OTHER PRINCIPAL CITIES**

*FIG 691*

*"Atlas" Power Pump with Type "B" Drive. For General Water Supply and Hydro-Pneumatic Water Systems. Made in Three Sizes with Capacities of 600, 1,200 and 2,400 Gallons per hour.*



# PUMPS

## 11964—*Pumps (Vacuum for Vacuum Heating)

**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
**CROWELL MFG. CO.**, ("Crowell), 290 Taaffe pl., Brooklyn, N. Y.
*See adv index at end of book*

## 11965-6— Pumps (Volute)

**BYRON JACKSON IRON WORKS**, Sharon bldg., San Francisco, Cal.
*See adv index at end of book*
**CAMERON A. S. STEAM PUMP WORKS**, Bowling Green bldg, New York
*See adv index at end of book*
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Midwest Engine Co. Indianapolis, Ind.
Platt Iron Works Co., Dayton, O.
Quimby Wm. E., Inc., 209 Parkhurst Newark, N. J.
**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York
*See adv index at end of book*

## 11967— Pumps (Water)

Aldrich Pump Co., Allentown, Pa.
Blackmer Rotary Pump Power & Mfg. Co., Retoskey, Mich.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Fort Wayne Engng. & Mfg. Co., Ft. Wayne, Ind.
Foster Pump Works, Inc.,, 37 Bridge Brooklyn, N. Y.
*See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Laursen Automatic Pump Co., Menomonie, Wis.
McGowan John H. Co., Fourth National Bank bldg., Cincinnati Ohio.
*See adv index at end of book*
Pacific Pump & Supply Co., (Jobbers), 853 Folsom, San Francisco, Cal.
Roberts Geo. J. Co. ("Gem"), Dayton, O.
San Diego Machine Co, San Diego, Cal.
Traylor Engineering & Manufacturing Co. Allentown, Pa.
*See adv index at end of book*
United Pump & Power Co., Belleview pl & Larkin, Milwaukee, Wis.

## 11968—Pumps (Water Motor)

Gould Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Valle-Kimes Co. ("V. & K."), Dayton, O.

## 11969—Pumps (Water Works)

Advance Pump & Compressor Co, Flint & Division, Battle Creek, Mich.
Aldrich Pump Co., Allentown, Pa.
Allis-Chalmers Mfg. Co. (Steel), Milwaukee, Wis.
American Steam Pump Co., Battle Creek, Mich.
American Well Works (Direct Connected to Steam Turbine), Aurora, Ill.
Buffalo Steam Pump Co., Buffalo, N. Y.
**BYRON JACKSON IRON WORKS**, Sharon bldg, San Francisco, Cal.
*See adv index at end of book*
**CAMERON A. S. STEAM PUMP WORKS**, Bowling Green bldg, New York
*See adv index at end of book*
Davidson M. T. Co., 15. Nassau, New York.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Epping-Carpenter Pump Co., ft of 43d, Pittsburgh, Pa.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Gardner Governor Co., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
**GOULDS MFG. CO.**, 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Jackson Byron Iron Works, Berkeley, Cal.
Jennings Pump & Dredge Co, 180 N Dearborn, Chicago, Ill.
Jennings Pump & Dredge Co., 305 N Michigan av, Chicago, Ill.
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Lawrence Machine Co. ("Lawrence" Centrifugal), 42 Island, Lawrence, Mass.
*See adv index at end of book*
**McGOWAN JNO. H. CO.** Fourth Nat. Bank bldg, Cincinnati, O.
*See adv index at end of book*

Built on the interchangeable system under the same rules of inspection inaugurated by the U. S. Shipping Board in the production of pumps for the Emergency Fleet. All pumps are guaranteed to perform the service recommended of them and against any defects arising during term of guarantee.
**The John H. McGowan Co.**
**4th Nat'l Bank Bldg.**
**Cincinnati, O.**

Midwest Engine Co. Indianapolis, Ind.
**Morris Machine Works, Baldwinsville**, N. Y.
**MYERS F. E. & BBO. (Myers Bulldozer)**, 900 Fourth, Ashland, O.
*See adv index at end of book*
National Steam Pump Co., Upper Sandusky, O.
Northern Fire Apparatus Co., 2422 Univ. av, Minneapolis, Minn.
*See adv index at end of book*
Platt Iron Works Co., Dayton, O.
Roots P. H. & F. M. Company (Rotary Pressure), Connersville, Ind.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
Strait H. N. Mfg. Co., Kansas City, Kans.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*
Twinvolute Pump & Mfg. Co. ("Twinvolute"), 55 William, New York
Union Steam Pump Co., Battle Creek, Mich.
Wagener Steam Pump Co., Canton, O.
Wood Pump Co., 375 Central av S, Los Angeles, Cal.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York
*See adv index at end of book*

## 11970—Pumps (Water Works, Vacuum for Priming)

**BEACH-RUSS CO.**, 216-224 B'way, New York *See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Northern Fire Apparatus Co., 2422 Univ. av, Minneapolis, Minn.
*See adv index at end of book*

## 11971— Pumps (Windmill)

See also Windmills

Aermotor Co., 2500 W 12th, Chicago, Ill.
Althouse-Wheeler Co., Waupun, Wis.
Baker Mfg. Co., Evansville, Wis.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Barnes Mfg. Co., Mansfield, O.
Beckman Bros. ("B-B"), Des Moines, Ia.
Bushnell Pump Co., Bushnell, Ill.
Butler Co., Butler, Ind.
Butler Mfg. Co., Kansas City, Mo.
Challenge Co., Batavia, Ill.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Celina Mfg. Co., Celina, O.
Challenge Co., Batavia, Ill.
Columbiana Pump Co., Columbiana, O.
Cook August D. (Force), Lawrenceburg, Ind.
Crestline Mfg. Co. ("Crestline"), Crestline, O.
Davis-Hansen Co. (Force & Lift), Oshkosh, Wis.
**DEMING CO.**, Salem, O.
*See adv index at end of book*
Douglas W. & B., Middletown, Conn.
Duplex Mfg. Co., Superior, Wis.
Evans C. H. & Co., 189 Fremont, San Francisco, Cal.
Fairbanks, Morse & Co. ("Fairbanks Morse" & "Eclipse"), 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Hayes Pump & Planter Co., Galva, Ill.
Humphryes Mfg. Co. ("20th Century"), Mansfield, O.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Love M. A. Mfg. Co. (Hand Force, etc), Rockford, Ill.
Mast, Foos & Co., Springfield, O.
**MYERS F. E. & BRO.** ("Imperial" Regulator & Syphon, "Branch Pipe," "Three-Way" & "Defiance," Ashland Century Cog Gear), 900 Fourth, Ashland, O. *See adv index at end of book*
Pacific Pump & Supply Co., (Jobber), 853 Folsom, San Francisco, Cal.
Peters Pump Co., Kewanee, Ill.
Plattner Yale Mfg. Co., Lincoln, Neb.
Red Cross Mfg. Co., Bluffton, Ind.
Red Jacket Mfg. Co. ("Red Jacket," Force), Davenport, Ia.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.
Talbot Air Lift Co., 335 N 4th, Phila., Pa.
Trahern Pump Co., Rockford, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill
Ward Pump Co. (Hand Force), Rockford, Ill.
Woodmanse Mfg. Co., Freeport, Ill.

## 11971a— Pumps (Wine)

Aldrich Pump Co., Allentown, Pa.
Foster Pump Works, Inc., 37 Bridge, Brooklyn, N. Y.
*See adv index at end of book*
Pulsometer Steam Pump Co., Irvington, N. J.
Traylor Engineering & Manufacturing Co., Allentown, Pa.
*See adv index at end of book*

## 11972— Pumps (Wood)

Althouse-Wheeler Co., Waupun, Wis.
Biggs B. F. Pump Co., Lafayette, Ind.
Bushnell Pump Co., Bushnell, Ill.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Chandler Pump Co., Cedar Rapids, Ia.
Cincinnati Pump Co., Liberty & Clay, Cincinnati, O.
Consolidated Pump Co., Toledo, O.
Dempster Mill Mfg. Co., Beatrice, Neb.
Florence Table & Lumber Co., Memphis, Tenn.
Hill W. C., Brasher Falls, N. Y.
Knecht & Thomas Pump Co., Union City, Ind.
Rich Pump Co., South & Depot, Cincinnati, O.
Saco Mfg. Co., Saco, Me.
Sweet Geo. W., Flint, Mich.
West Wm. S. & Son, Chillicothe, O.

## 11973— Pumps (Wrecking)

Advance Pump & Compresser Co., Flint & Division, Battle Creek, Mich.
Blakeslee Mfg. Co., DuQuoin, Ill.
Davidson M. T. Co., 154 Nassau, New York.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
**DE LAVAL STEAM TURBINE CO.** (Centrifugal), East Trenton, N. J.
*See adv index at end of book*
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Goulds Mfg. Co., 71 W Fall, Seneca Falls, N. Y. *See adv index at end of book*
Jennings Pump & Dredge Co., 180 N Dearborn, Chicago, Ill.
Kingsford Fdry. & Mach. Wks., Oswego, N. Y.

PUMPS (WRECKING)—continued

Midwest Engine Co Indianapolis, Ind.
Morris Machine Works, Baldwinsville, N. Y.
Nye Steam Pump & Machinery Co., 701 N Western av, Chicago, Ill.
Platt Iron Works Co., Dayton, O.
Swenson J., ft. of Warren, Jersey City, N. J.
Van Wie Pump Co., 715 W Fayette, Syracuse, N. Y.
Wilson-Snyder Mfg. Co., 2 Ross, Pittsburgh, Pa.
**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York
*See adv index at end of book*

## 11974-5—Pumps & Boilers (Combined)

Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
Blakeslee Mfg. Co., Du Quoin, Ill.
Columbus Steam Pump Works Co., Columbus, O.
Davidson M. T. Co., 154 Nassau, New York.
Dean Bros. Steam Pump Works, 327 W 10th, Indianapolis, Ind.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
*See adv index at end of book*
Hall Steam Pump Co., ("Hall") 213 Galveston, Pittsburgh, Pa.
Murphy Timothy Iron Works, Jacksonville, Fla.
Vogt Bros. Mfg. Co., Louisville, Ky.
**Worthington Pump & Machinery Corp.**, 115 B'way, New York
*See adv index at end of book*

## Punch Sleeves

**See Sleeves Drill & Punch**

## 11976— Punch Stems

**Cleveland Punch & Shear Works Co., 3921 St. Clair av, N. E. Cleveland, O.**

## 11977—Punch & Shear Combined (Hand Power)

Armstrong-Blum Mfg. Co. ("Marvel," also I Beam Punch & Slitting Shear), 337 N Francisco av, Chicago, Ill.
Badger State Machine Co., Janesville, Wis.
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Clark Foundry Co. ("Jarrell"), Rumford, Me.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Coulter & McKenzie Machine Co., Bridgeport, Conn.
Custer W. F. & Son ("Custer"), Summitville, Ind.
Excelsior Tool & Machine Co., 32nd & Ridge, East St. Louis, Ill.
Hendley & Whittemore Co. ("Beloit'), Beloit, Wis.
Kidder J. F. Mfg. Co. ("Little Blacksmith," Deep Throat), Burlington, Vt.
Little Giant Punch & Shear Co. ("Little Giant" Lever), Sparta, Ill.
Luther Mfg. Co. ("Black Grant" for Tire Upsetting, etc.), Olean, N. Y.
Rock River Machine Co., Janesville, Wis.
Ryerson Jos. T. & Co., 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Sproul Matt Co., Sparta, Ill.
**UNION MFG. CO** ("Union" Combined Punch, Shear & Rod Cutter), 300 Church St., New Britain, Conn.
*See adv index at end of book*
Weiss H. & Co. ("Little Blacksmith" Punch, Shear & Bender Combined), 83 John, New York
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.

Young Machine & Tool Co., Worcester, Mass.

## 11978—Punch & Straightener Combined

**BILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.

## 11979— Punches (Arch)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

## Punches (Backing-out)

**See Punches, Pin**

## 11980— *Punches (Beam)

**See also Punches for Ornamental Iron Work**

**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*

## 11981—Punches (Belt & Saddlers', Drive)

Atkins E. C. & Co. ("Rogers"), Indianapolis, Ind.
Bemis & Call Hdw. & Tool Co. (Steel Belt), Springfield, Mass.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Eyelet Tool Co., 40 Lincoln, Boston, Mass.
Goodell-Pratt Co. (Knurled), Greenfield, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Manufacturers Belt Hook Co. ("L-X"), 1321 W Congress, Chicago, Ill.
Mayhew H. H. Co., Shelburne Falls, Mass.
**OSBORNE C. S. & CO.**, Box 183 Newark, N. J. *See adv index at end of book*


# PUNCHES

ROUND AND OVAL

Superior Quality

## PLIERS, NIPPERS, ETC.

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Vaughan & Bushnell Mfg. Co. ("V. & B." Solid Steel), 2114 Carroll av, Chicago, Ill.
West Haven Mfg. Co. ("Easy Hold," "Wont Roll" Drive), West Haven, Conn.

## 11982—Punches (Belt & Saddlers', Revolving, Etc.)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Kraeuter & Co., 583 18th av, Newark, N. J.
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**OSBORNE C. S. & CO.**, Box 183 Newark, N. J. *See adv index at end of book*
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## 11983— Punches (Bench)

American Lock Nut & Tool Co. ("Lightning"), Oregon, Ill.
Badger State Machine Co., Janesville, Wis.
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Buffalo Forge Co., Buffalo, N. Y.
Butts & Ordway Co. ("B & O," "Easy"), 33 Purchase, Boston, Mass.
Chandler & Farquhar Co. ("Federal"), 36 Federal, Boston, Mass.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Goodell-Pratt Co., Greenfield, Mass.
Hendley & Whitmore Co. ("Beloit' Band), Beloit, Wis.
Little Giant Punch & Shear Co., Sparta, Ill.
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Band), Beloit, Wis.

## 11984—Punches (Blacksmiths')

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Atha Tool Co., Chapel, Newark, N. J.
Beall Bros., Alton, Ill.
Bicknell Mfg. & Supply Co., Janesville, Wis.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Champion Blower & Forge Co. ("Champion" Steel), Lancaster, Pa.
Champion Tool Co. ("Champion" Hand & Eye), Meadville, Pa.
**Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.**
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Delaware Tool Co., Wilmington, Del.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Rock River Machine Co., Janesville, Wis.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B." Center), 2114 Carroll av, Chicago, Ill.
Verona Tool Works, Oliver bldg, Pittsburgh, & Verona, Pa.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.

## 11985-6—Punches (Boilermakers' Screw)

**See also Punching Machines, Boilermakers'**
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Channon Jas. H. Mfg. Co. (Screw, Also With Ratchet Handle), 227 W Erie, Chicago, Ill.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Delaware Tool Co., Wilmington, Del.
Dudgeon Richard (Hydraulic), 24 Columbia, New York
Excelsior Tool & Machine Co. (Small), 32d & Ridge, East St. Louis, Ill.
Henderer's A. L. Sons (Hydraulic), Wilmington, Del.
Hendley & Whittemore Co. ("Beloit" Lever), Beloit, Wis.
King A. R. Mfg. Co., Kingston, N. Y.
Kling Bros. Engineering Works, 1300 N, Kostner av, Chicago, Ill.
Lovejoy Tool Works (Screw, Also With Ratchet Attachment), 319 W Ohio, Chicago, Ill. *See adv index at end of book*
Manitowoc Ship Building Co. ("Gunnell" Portable), Manitowoc, Wis.
Oswego Tool Co., Oswego, N. Y.
Richards I. P. Co., 33 Pemberton, Providence, R. I.

Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
**WATSON-STILLMAN CO.** (Hand & Hydraulic), 38 Church, New York
*See adv index at end of book*

## Punches (Bull)

See Rings & Ringers, Hog & Bull

## 11987—Punches (Butchers' Saw Etc.)

Goodell-Pratt Co., Greenfield, Mass.
Thompson H. G. & Son Co. ("Thompson's"), New Haven, Conn.

## 11988—Punches (Button Hole)

Kraeuter & Co., 583 18th av, Newark, N. J.

## 11989— Punches (Carvers)

Buck Bros., Millbury, Mass.

## 11990—Punches (Center & Prick)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Beall Bros., Alton, Ill.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brown & Sharpe Mfg. Co., Providence, R. I.
Browne & Dowd Mfg. Co. (Knurled), Meriden, Conn.
Buck Bros. (And Solid), Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Chicago Tool & Kit Mfg. Co. (Center), 12 N Market, Chicago, Ill.
Cincinnati Tool Co. (Pin or Clearance), Norwood, Cincinnati, O.
*See adv index at end of book*
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Crescent Novelty Mfg. Co., 703 South B'way, St. Louis, Mo.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
*See adv index at end of book*
Delaware Tool Co., Wilmington, Del.
Enderes, Inc., Albert Lea, Minn.
Evansville Tool Works, Evansville, Ind.
Goodell Mfg. Co., Greenfield, Mass.
Goodell-Pratt Co. (Knurled), Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Johnson Wm. (Hedenberg Works), Newark, N. J.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Osborne C. S. & Co. (Prick), Box 183 Newark, N. J.
*See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Roberts Tool Co., Irvington N. J.
S & I. Company, Springfield, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Sayre A. Co., 332 Mulberry, Newark, N. J.
Snell Mfg. Co., Fiskdale, Mass.
Stanley Rule & Level Co., New Britain, Conn.
**STARRETT L. S. CO. (THE)** (Machinists, Center, etc.), Athol, Mass.
*See adv index at end of book*
Syracuse Twist Drill Co. ("Syracuse" Knurled Octagon Prick, Center & Rivet), Borden av, Syracuse, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Union Tool Co., Orange, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B." Tinners), 2114 Carroll av, Chicago, Ill.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.
Warner Hammer Co., Cromwell, Conn.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
West Haven Mfg. Co. ("Easy Hold," "Wont Roll"), West Haven, Conn.

## 11991— Punches (Conductors' Tickets, Etc.)

American Railway Supply Co., 134 Charles, New York
Automatic Appliance Co., 172 Columbus av, Boston, Mass.
Bonney-Vehslage Tool Co., 61 N. J. R. R. av, Newark, N. J.
Bridgeport Hardware Mfg. Corp. ("Trump" Reservoir, etc), Bridgeport, Conn.
Cincinnati Mfg. Co., Cincinnati, O.
Crocker L. O., Jr., East Braintree, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
International Register Co., 15 Throop, Chicago, Ill.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lord Mfg. Co., 105 W 40th, New York.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mac-Mieth Co., 146 Lafayette, Newark, N. J.
**MEYERS FRED J. MFG. CO., Hamilton, O** *See adv index at end of book*
McGill Metal Products Co. ("McGill," for Tickets, Notch Cutters, Cardboards, etc.), 1640 Walnut, Chicago, Ill.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Schollhorn Wm. Co. ("Bernard's"), New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Sperry & Alexander Co., 79 Chambers, New York
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
Woodman R. Mfg. & Supply Co. (Cast Steel & Steel), 82 Sudbury, Boston, Mass.

## 11992— Punches (Coopers')

Buck Bros., Millbury, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.

## 11993— Punches (Drift)

Plomb Tool Mfg. Co. (Long Taper), 2209 Santa Fe av, Los Angeles, Cal.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn, Cleveland, O.

## 11994— Punches (Drive)

See also Punches, Belt & Saddlers' Drive
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Delaware Tool Co., Wilmington, Del.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Williams William, Jr., New Britain, Conn.

## 11995— Punches (Ear Tag)

Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.

## 11996— Punches (Eyelet)

Eyelet Tool Co., 40 Lincoln, Boston, Mass.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stimpson Edwin B. Co., 68 Franklin av, Brooklyn, N. Y.

## 11997— *Punches (Flange)

**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*

## 11998—Punches (Flue Shearing)

Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Richards I. P. Co., 23 Pemberton, Providence, R. I.

## 11999-12000-1—Punches for Ornamental Iron Work

Braun J. G., 609 S Paulina, Chicago, Ill.
Lewthwaite T. H. Machine Co. (Power, Hand and Foot), 413 E 31st, New York
Richards I. P. Co., 23 Pemberton, Providence, R. I.
Schatz Mfg. Co., Poughkeepsie, N. Y.

## Punches (Gang)

See Punching Machines, Multiple

## 12002—Punches (Guide or Slotting)

Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.

## 12003— Punches (Hand)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Danzer Metal Works ("Handy"), Hagerstown, Md.
Dikeman Mfg. Co. (For Butchers' Blades, etc), Norwalk, Conn.
Machine Appliance Corp., 351 Jay, Brooklyn, N. Y.
**MORRILL CHAS.** ("Morrill" & "Apex" "Hercules" Metal), 100 Lafayette, N. Y. *See adv index at end of book*
Mossberg Frank Co., Attleboro, Mass.
United States Tool Co., 3160 W 106th, Cleveland, O.
Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
*See adv index at end of book*
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn, Cleveland, O.

## 12004—Punches (Hand Power)

American Lock Nut & Tool Co. ("Lightning," For Punching Holes in Angles, Flanges, Tank Heads, etc), Oregon, Ill.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Armstrong-Blum Mfg. Co., 337 N Francisco av, Chicago, Ill.
Badger State Machine Co., Jamesville, Wis.
Baker Wm. H., Trenton, N. J.
Bertsch & Co., Cambridge City, Ind.
Bicknell Mfg. & Supply Co., Janesville, Wis.
Braun J. G., 609 S Paulina, Chicago, Ill.
California Tool Works, 181 Beale, San Francisco, Cal.
Cincinnati Iron & Steel Co., Cincinnati, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Delaware Tool Co., Wilmington, Del.
Evansville Tool Works, Evansville, Ind.
Excelsior Tool & Machine Co. ("Little Giant" Portable Lever), 32d & Ridge, E St. Louis, Ill.
Heartley Machine Variety Iron & Steel Works, 900 Summit, Toledo, O.
Hendley & Whittemore Co., Beloit, Wis.
Kane & Roach, Syracuse, N. Y.
Keene Geo. C. & Co., 2327 Florence av Cincinnati, O.
Kidder J. F. Mfg. Co. ("Little Blacksmith"), Burlington, Vt.
Klemm E. R., 1453 Austin av, Chicago, Ill.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Lewthwaite T. H. Machine Co., 413 E 31st New York
Little Giant Punch & Shear Co. ("Little Giant"), Sparta, Ill.
Loyd John Co., 124 Baxter, New York
New Doty Mfg. Co., Janesville, Wis.
**NIAGARA MACHINE & TOOL WORKS** Buffalo, N. Y.
*See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Perkins Machine Co. (Metal), Warren, Mass.
Redin, Ekstrom & Co. ("Redin-Ekstrom" for Metal), "Rockford, Ill.
Richards I. P. Co. ("U. S. Standard" Punches for Punching Iron & Steel), 23 Pemberton, Providence, R. I.
Rock River Machine Co. ("Badger" Boilermakers, Tinners, etc), Janesville, Wis.
Ryerson Jos. T. & Son, 920 Corn Exchagne bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Strait H. N. Mfg. Co. (For Cooperage Mfrs.), Kansas City, Kans.

PUNCHES (HAND POWER)—continued

Union Mfg. Co. ("Union"), 300 Church, New Britain, Conn.
*See adv index at end of book*
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Weiss H. & Co., 83 John, New York
Whitney Metal Tool Co. ("Whitney," "Uncle Sam's," "The Use's Pride" Portable), Rockford, Ill.
Young Machine & Tool Co., Worcester, Mass.

## 12005—Punches (Hand & Tube Hole)

Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Long & Allstatter Co., Hamilton, O.
New Doty Mfg. Co., Janesville, Wis.
Richards I. P. Co., 23 Pemberton, Providence, R. I.
Rock River Machine Co., Janesville, Wis.

## 12006-7— Punches (Hollow)

Buffum Tool Co. ("Swastika" Tinners), South Side, Louisiana, Mo.
Peck, Stow & Wilcox Co., Southington, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stortz John & Son, 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.

## Punches (Horizontal)

See Punching Machines, Horizontal; also Machinery, Punching & Shearing

## Punches (Hydraulic)

See Punching Machines, Hydraulic; also Machinery, Punching & Shearing

## 12008—Punches (Hydraulic, for Web or T Rails, Etc.)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

## 12009— Punches (Lever)

Delaware Tool Co., Wilmington, Del.
Hendley & Whittemore Co. ("Beloit"), Beloit, Wis.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.

## 12010-1—Punches (Machine)

Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

## Punches (Multiple)

See Punching Machines, Multiple

## 12012— Punches (Paper)

Benton Mfg. Co., 9 Bethune, New York
Globe-Wernicke Co. ("Globe"), 25 Carthage av, Cincinnati, O.
Latham Machinery Co. ("Monitor"), 1153 Fulton, Chicago, Ill.
**MORRILL CHAS.** ("Morrill" & "Apex" Brands), 100 Lafayette, New York
*See adv index at end of book*
Proudfit Loose Leaf Co. ("Proudfit," Hand), Grand Rapids, Mich.
Tatum Sam'l C. Co., Office & Factory, Cincinnati, O.

## 12013— Punches (Pin)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Enderes, Inc., Albert Lea, Minn.
Goodell-Pratt Co., Greenfield, Mass.
S. & I. Co., Springfield, Mass.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Tuck Mfg. Co., Brockton, Mass.

## Punches (Pneumatic)

See Pneumatic Punches

## 12014— Punches (Portable)

American Lock Nut & Tool Co. ("Lightning" Hand for Punching Holes in Angle Iron, etc), Oregon, Ill.
Armstrong-Blum Mfg. Co. ("Marvel," All Steel), 337 N Francisco av, Chicago, Ill.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.
Danzer Metal Works ("Danzer-Handy"), Hagerstown, Md.
Excelsior Tool & Machine Co. ("Little Giant"), 32d & Ridge, East St. Louis, Ill.
Kidder J. F. Mfg. Co. ("Little Blacksmith"), Burlington, Vt.
Little Giant Punch & Shear Co., Sparta, Ill.
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Whitney Metal Tool Co. ("Whitney," Hand Angle Iron, etc), Rockford, Ill.

## Punches (Power)

See Machinery, Punching & Shearing; also

## Punches (Revolving)

See Punches, Belt & Saddlers', Revolving, etc.

## 12015—Punches (Rivet Hole)

Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Delaware Tool Co. (Tools), Wilmington, Del.
Roberts Tool Co., Irvington, N. J.

## 12016—Punches (Rolled Head)

Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.

## Punches (Round or Saddlers')

See Punches, Belt & Saddlers', Drive

## 12017— Punches (Saw)

Disston Henry & Sons ("Midget"), Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.

## Punches (Screw)

See Punches, Boilermakers', Screw

## 12018— Punches (Scroll)

Little Giant Punch & Shear Co., Sparta, Ill.

## 12019—Punches (Sheet Metal)

**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
John's Stamping & Machine Works Co., 1715 Leonard, Cleveland, O.
Kautz Fred C. & Co. (Letter & Figure), 2633 W Lake, Chicago, Ill.

## 12020— Punches (Solid)

See also Punches, Tinners', Solid Drive
Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*
Enderes, Inc. (Round & Square Point), Albert Lea, Minn.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn, Cleveland, O.

## 12021— Punches (Spiral, Spring Center)

Cleveland Steel Tool Co. (Adjustable, Extension & Reducing), 660 E 82nd, Cleveland, O.
Delaware Tool Co., Wilmington, Del.

## 12022— Punches (Spring)

Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Osborne C. S. & Co., Box 183 Harrison, N. J.
*See adv index at end of book*
Sacks Louis, Wilson av, Newark, N. J.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Springfield Machine Co., Springfield, Mass.

## 12023—Punches (Square End)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.

## Punches (Ticket)

See Punches, Conductors' Ticket

## 12024—*Punches (Tie Plate)

**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*

## 12025—Punches (Tinners', Solid Drive)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Browne & Dowd Mfg. Co., Meriden, Conn.
Buck Bros., Millbury, Mass.
Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y. *See adv index at end of book*
Delaware Tool Co., Wilmington, Del.
Goodell-Pratt Co. (Knurled), Greenfield, Mass.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
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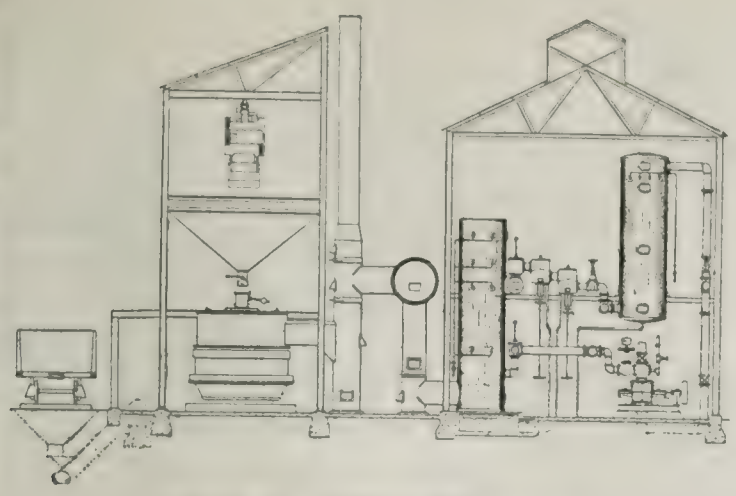
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
S. & I. Co., Springfield, Mass.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Smith H. D. & Co. ("Sharpenezy"), Plantsville, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Syracuse Twist Drill Co. ("Syracuse" Solid & Self Centering Sheet Metal), Borden av, Syracuse, N. Y.
Tuck Mfg. Co., Brockton, Mass.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
Williams William, Jr., New Britain, Conn.

## 12026— Punches (Track)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Beall Bros., Alton, Ill.
Evansville Tool Works, Evansville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Verona Tool Works, Oliver bldg, Pittsburgh, Pa.
Warwood Tool Co., Warwood, Wheeling, W. Va.
**WATSON-STILLMAN CO.** (Hydraulic), 38 Church, New York
*See adv index at end of book*
Western Tool & Forge Co., Brackenbridge, Pa.

## 12026a—Punches & Dies (Boilermakers)

Wickes Bros., 512 N Tilden, Saginaw, Mich.



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See Machinery, Punching & Shearing

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## 12027—Purifiers (Feed Water)
**See also Heaters, Feed Water; also Filters, Feed Water**

American-Water Softener Co. ("American"), 10th & Chestnut, Phila., Pa.
Bates Machine Co. ("Cookson" System), Joliet, Ill.
**Bayer Steam Soot Blower Co. ("Bayer"), St. Louis, Mo.**
Berry Engineering Co. ("Berry" "Monograph"), Chester, Pa.
Dodge Sales & Engineering Co. ("Eureka"), Mishawaka, Ind.
Economy Iron Works ("Dougherty"), Chester, Pa.
**Frost Mfg. Co. ("Continental"), Galesburg, Ill.**
Graver Wm. Tank Works, E, Chicago, Ill.
*See adv index at end of book*
Graves & Marshall Co., Dayton, O.
Griscom-Russell Co. ("Massillon" Open Feed Water Heater, Purifier & Oil Extractor, "Stratton" and "Bundy" & "Russell" Separators and Reilly Multiscreen Filters), 92 West, New York
*See adv index at end of book*
Harrisburg Pipe & Pipe Bending Co., Herr nr 10th, Harrisburg, Pa.
Harrison Safety Boiler Works ("Cochrane"), 3147 W 17th, Phila., Pa.
Hoppes Mfg. Co., Springfield, O.
Horstman F. W. Co., Irvington, N. J.
Jacobs Chas. & Co., 258 Franklin, Boston, Mass.
Liberty Mfg. Co., Pittsburgh, Pa.
Linton Machine Co., 26 Cortlandt, New York
Loomis-Manning Filter Mfg. Co. 37th & Reed, Phila., Pa.
Milwaukee Reliance Boiler Works ("Perfection," Heater & Purifier), 1102 32d, Milwaukee, Wis.
Open Coil Heater & Purifier Co. ("Stickle" Heater & Purifier), Indianapolis, Ind.
Patterson D. W. ("Machman" System), Harrison bldg, Phila., Pa.
Patterson-Kelley Co., 26 Cortlandt, New York
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Platt Iron Works Co., Dayton, O.
Power Plant Specialty Co. ("Vater"), 53 W Jackson blvd, Chicago, Ill.
Pratt & Cady Co., Inc. ("Beryman" & Gleaner" Heater & Purifiers), Hartford, Conn.
Reiter E. H., Elgin, Ill.
Ross Mfg. Co., Northville, Mich.
Ross Valve Mfg. Co. ("Railton," "Campbell"), 9 Oakwood av, Troy, N. Y.
Row & Davis Engineers Inc., 90 West, New York
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.** ("Scientific"), First National Bank bldg, Pittsburgh, Pa. & 26 Cortlandt, New York. *See adv index at end of book*
Sharkey & Peck ("Colles" Automatic Live Steam Filter & Purifier), 2433 W 18th Chicago. Ill.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Stewart Heater Co. (Feed Water Purifying Apparatus), N Tonawanda, N. Y.
United Iron Works, Inc., Kansas City, Mo.
Webster Warren & Co. (Chemical Feed Water), Camden, N. J.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Whitlock Coil Pipe Co., Hartford, Conn.

## 12028—Purifiers (Flour & Meal)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Barnard & Leas Mfg. Co., Moline, Ill.
Great Western Mfg. Co., Leavenworth, Kan.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sprout Waldron & Co., Muncy, Pa.

## 12029—Purifiers (Middlings)

Wolf Co., Chambersburg, Pa.

## Purifiers (Oil)
See Filters, Oil

## 12030—Purifiers & Scrubbers (Gas)

See also Gas Works Apparatus & Construction; also Gas Works Machinery, etc.
Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Cruse-Kemper Co., Ambler, Pa.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
**FLINN & DREFFEIN CO.,** 431 S Dearborn, Chicago, Ill.
*See adv index at end of book*
**GAS ENGINEERING CO.,** Trenton, N. J.
*See adv index at end of book*
Gas Machinery Co. (Rotary), 1900 Euclid av, Cleveland, O.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Isbell-Porter Co. (Rotary Ammonia & Shaving), 46 Bridge, Newark, N. J.
Lloyd Construction Co., Detriot, Mich.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Meehan Boiler & Cons. Co., Lowellville, O.
Quintard Iron Works Co., 742 E 12th, New York
Riter-Conley Co., Oliver bldg., Pittsburg, Pa.
Smith Gas Engng. Co., Lexington, Richland Co., O.
Stacey Mfg. Co. ('Chollar's" System of Gas Purification), Big Four RR Township av, Elmwood, Cincinnati, O.
**WESTERN GAS CONSTRUCTION CO.,** Ft. Wayne, Ind.
Wood R. D. & Co. ("Theisen"), 400 Chestnut, Phila., Pa.

## 12031—Push Button Centers

Auburn Button Works, Auburn, N. Y.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Hemming Mfg. Co., Garfield, N. J.
Scranton Button Co. (Lacanite), Scranton, Pa.
Waterbury Button Corp., 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 12032— Push Buttons
**For Other Electrical Specialties, See Index of Contents**

Aerofram Co. (Auto Horn), 107 Massachusetts, Boston, Mass.
American Hard Rubber Co., 9 Mercer, New York
Ansonia Electrical Co., Ansonia, Conn.
Arlington Works The (E. I. du Pont de Nemours & Co.), 21 E 40, New York
Auth Elec. Specialty Co., 25 Howard, New York
Benjamin Elec. Mfg Co. (Auto Horn), 120-128 S Sagamon, Chicago, Ill.
*See adv index at end of book*
Bogert & Hopper, Inc. (Electric Wood), 57 Barclay, New York
*See adv index at end of book*
Bohm Albert (Importer), 260 W B'way, New York
Bridgeport Electric Products Co. (The), ("Crown"), Bridgeport, Conn.
Bunnell J. H. & Co., 32 Park pl, New York
Cleverly Electrical Works, 17 N 7th, Phila., Pa.
Consolidated Car Heating Co., Albany, N. Y.
Corbin P. & F., New Britain, Conn.
Couch S. H. Co. ("Workrite," "Pushrite"), Quincy, Mass.
**CUTLER HAMMER MFG. CO.,** 12th St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.,** Wilmington, Del. *See adv index at end of book*
Edwards & Co. ("Midget," "Dixie," "New Mite") Exterior av & 140th, New York
Electric Controller & Mfg. Co., Cleveland, O. *See adv index at end of book*

PUSH BUTTONS—continued

Electrical Sales Co. (Auto Horn Floor), 176 Federal, Boston, Mass.
**ESTES E. B. & SONS** (Electric, Wood), 364 5th av, New York
*See adv index at end of book*
Fitzgerald Mfg. Co. ("Clero"), Torrington, Conn.
Francis-Rand Co., Erie Bldg, Cleveland, O.
General Phonograph Mfg. Co. (Auto Horn) Elyria, O.
Giant Mfg. Co., Council Bluffs, Ia.
Hemming Mfg. Co., Garfield, N. J.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
International Insulating Corp. (Rubber & Elborine), 25 W 45th, New York
Kell Francis & Son ("Anti-Wood," "Anti-Screw Midget"), 401 E 163d, New York
Knickerbocker Annunciator Co., 116 West, New York
Lovell F. H. & Co. ("Double Eagle"), Arlington, N. J.
**MANHATTAN ELECTRICAL SUPPLY CO.** ("Reliable" Automobile Metal Navy Standard & Watertight), 17 Park pl, New York
*See adv index at end of book*
Minerallac Elec. Co. (Portable desk), 1045 Washington blvd, Chicago, Ill.
**MORSE FRANK W.** ("Workrite"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Murdock W. J. Co., Chelsea, Mass.
National Fibre & Insulation Co., Yorklyn, Del.
Oettinger F. W. Corp., 70 E 45th, New York
Ostrander W. R. & Co., 871 Broadway, New York
P R. Mfg. Co., Detroit, Mich.
Partrick & Wilkins Co., 51 No. 7th, Phila, Pa.
Penn Hardware Co., Reading, Pa.
Phelps & Sons Mfg. Co., 110 Pennington, Newark, N. J.
Reading Hardware Co., Reading, Pa.
Russell Elec Co. (Auto Horn), Danbury, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Samson Elect. Co., 146 Summer Canton, Mass.
Sargent & Co., New Haven, Conn.
Schwarze Electric Co., Adrian, Mich.
Seng Auto Device Co. (Auto Horn), 1452 Dayton, Chicago, Ill.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Spencer's I. S. Sons, Inc. (Ordinary), Guilford, Conn.
Stanley & Patterson ("Devean"), 23 Murray, New York
Starr Bros. Bell Co., East Hampton, Conn.
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Taylor & Boggis Foundry Co., Cleveland, Ohio
U. S. E. M. Co. ("Usem"), 301 W 37th, New York
Union Hardware Co. (Wood), Torrington, Conn.
Usem Co. (Ordinary Table Automobile, Pendant Desk), 310 W 37th, New York
Wadsworth Novelty Mfg. Co., Wadsworth, O.
Walsh Owen Mfg. Co., 525 W 26th, New York
Western Electric Co., 463 West, New York
Wilhelm Henry (Bronze), 70 Frost, Brooklyn, N. Y.

## 12033—Push Plates (Plate Glass)

Anderson Geo. H. & Co., 1467 W Austin av, Chicago, Ill.
Champion Hardware Co., Geneva, O.
Gallagher P. J., 24 New Chambers, New York

## Pushers (Car)

See Car Movers or Pushers

## 12034— Pushers (Coke)

Alliance Machine Co. (Combined Pusher & Leveler), Alliance, O.
**ATLAS CAR & MFG. CO.** (Electric), Cleveland, O.
*See adv index at end of book*

Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Wellman-Seaver-Morgan Co., Cleveland, O
*See adv index at end of book*

## 12034a— Pushers (Pipe)

Giant Mfg. Co., Council Bluffs, Ia.

## 12035— Putty (Calking)

Armstrong Co., South & Post av, Detroit, Mich.
Pecora Paint Co. ("Rhino"-brand calking & Glazing compound), 4th & Sedgley av, Philadelphia, Pa.
Weatherproof Calking Co. ("Hennen" Elastic, for Walls, etc), Minneapolis, Minn.

## 12036—Putty (Glaziers' & Painters')

Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
Allen Paint & Putty Works, 334 N Ashland ave, Chicago, Ill.
Allentown Mfg. Co., Allentown, Pa.
Armstrong Co. ("Tharco" Stove, Boiler, Metal Sash, etc), South & Post av, Detroit, Mich.
Baker Wm. T. (Inc), (Reliable), 224 Suydam, Jersey City, N. J.
Belknap Moran Allen Co., 5 Ainslie, Brooklyn, N. Y.
Briggs John & Co. ("Peerless"), 45 Purchase, Boston, Mass.
California Paint Co., Oakland, Cal.
Chicago White Lead & Oil Co., 1454 S Western av, Chicago, Ill.
Colebrook's W. H. Sons, Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal" White Lead), Troy, N. Y.
Crandall E. V. Oil & Putty Mfg. Co., 1105 Metropolitan av, Brooklyn, N. Y.
Devoe & Raynolds Co., Inc., 101 Fulton New York *See adv index at end of book*
Dicks-Pontius Co., Dayton, O.
Felton, Sibley & Co., 136 N 4th, Phila., Pa.
French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Grote Geo. W. & Co, 430 E 102d, New York
Hammond Benjamin, Beacon, N. Y.
Hetzel J. G. (Est of), (Plumbers'), 67 Main, Newark, N. J.
Hoffman Paint & Varnish Co., Waters av, Boston, Mass.
Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
Kent & Purdy Paint Co. ("K. & P."), 307 N Main, St. Louis, Mo.
Lancaster Paint & Glass Co., Lancaster, Pa.
Louisville Lead & Color Co., Louisville, Ky.
Lucas John & Co., 322 Race, Phila., Pa.
Mound City Pant & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Patton Paint Co., Milwaukee, Wis.
Pecora Paint Co., 4th & Sedgley ave, Phila, Pa.
Ruth B. F. & Co., Reading, Pa.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Tucker Mfg. Co., 17 E 137th, New York
Underhay Oil Co., 73 Batterymarch, Boston, Mass.
Weatherproof Calking Co. ("Hennen's" Weatherproof), Minneapolis, Minn.
Wilhelm A. Co., Reading, Pa.

## 12037— Putty (Greenhouse)

Patton Paint Co. (Liquid), Milwaukee, Wis.

## 12038—Putty Mfrs. (Stovemakers')

Armstrong Co. ("Tharco" Asbestos), South & Post av, Detroit, Mich.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Colebrook's W. H. & Sons ("Colebrook Crown"), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co., Troy, N. Y.
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Rutland Fire Clay Co. ("Rutland"), Rutland, Vt.
Tucker Mfg. Co., 17 E 137th, New York

## Putty Ornaments

See Ornaments, Composition

## 12039— Putty Powder

Chrystal, Chas. B. (Jobbers), 13 Cliff, New York
*See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Fuller H. B. Co. ("Gibraltar"), 188 W 3rd, St. Paul, Minn.
Harrison Supply Co., 209 Washington, Boston, Mass.
Harshaw Fuller & Goodwin Co., Elec bldg., Cleveland, O.
Johnston & Jennings (All Grades), Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Pittsburgh Crushed Steel Co., 61st & A. V. R. R., Pittsburgh, Pa.
Rhodes Jas. H. & Co. (Green & White), 2810 S Albany, Chicago, Ill.
Thurston F. W. Co. ("Fil-Tite," a Granite Hard Cold Water Crack Filler), 1832 S Clark, Chicago, Ill.
Wiarda John C. & Co. (Jobbers), 378 Greene, Brooklyn, N. Y.

## 12040— Putty (Roof)

French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Johns-Manville H. W. Co. (Asbestos), Madison av & 41st, New York
Milwaukee Corrugating Co. (Jobbers), Milwaukee, Wis.

## 12041— Pyretometers

Randall-Faichney Co. ("R. & B."), Boston, Mass.

## 12042— Pyridine

Barrett Co., 17 Battery pl, New York
National Ammonia Co., Phila. & St. Louis

## Pyrites of Iron

See Ores, Pyrites

## Pyrolusite

See Oxide of Manganese

## 12043— Pyrometers

Albrecht Francis J. (For Baker's Ovens), 1146 Penn av, Pittsburgh, Pa.
American Steam Gauge & Valve Mfg. Co. ("Buckley"), 208 Camden, Boston, Mass.
Beighlee Electric Co. (Compensated Recording), 6523 Euclid av, Cleveland, O.
Braun-Knecht Heimann Co. (Recording), 576-584 Mission, San Francisco, Cal.
**BRISTOL CO.**, ("Bristol's" Indicating Electric, Recording Electric & Combination Indicating & Recording), Waterbury, Conn.
*See adv index at end of book*
**BROWN INSTRUMENT CO.** ("Brown," Electric Recording, etc), Wayne & Windrim, Phila., Pa.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Du Vivier Ernest H. (Imp), 30 Church, New York
Eimer & Amend, 205 3d av, New York
Engelhard Charles ("Engelhard Le Chatelier"), 30 Church, New York
Esterline Co., Lemcke Annex, Indianapolis, Ind.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Frink Pyrometer Co. ("Frink"), Lancaster, O.
Gibb Instrument Co. ("I-Rite") Highland bldg, Pittsburgh, Pa.
**HANOVIA CHEMICAL & MANUFACTURING CO.**, 100 Chestnut, Newark, N. J.
Hoskins Mfg. Co. ("Thermo-Electric"), 453 Lawton, Detroit, Mich.
Leeds & Northrup Co. ("Electric Resistance"), 4901 Stenton av, Phila., Pa.
Morse Thermo Gage Co. (Optical), Ithaca, N. Y.
National Gauge Co. ("National"), 300 Pacific, Brooklyn, N. Y.
Oelschlaeger Bros. (Importers), 30 E 23d, New York
Pelton & Crane Co., 246 Harper, Detroit, Mich.
Phila. Thermometer Co., 9th & Arch, Phila., Pa.
Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa.

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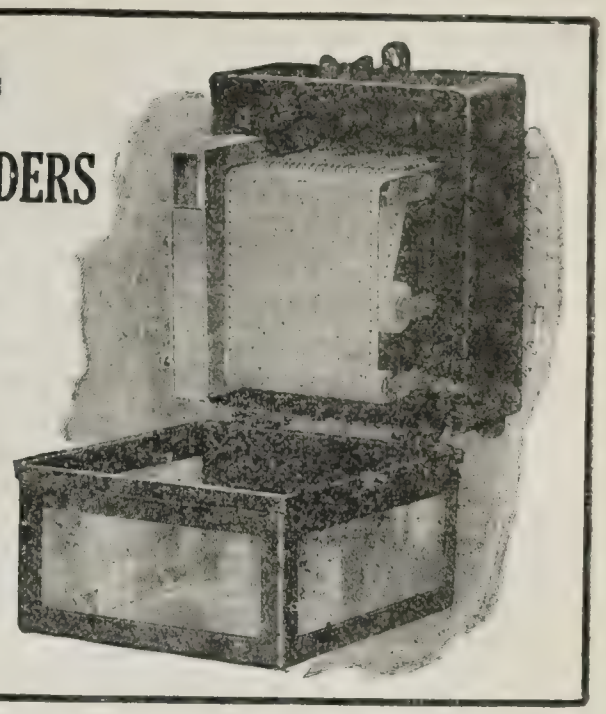

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PITTSBURG SAN FRANCISCO

THE BRISTOL CO., Waterbury, Conn.

**Price Electric Co., 12369 Euclid av, Cleveland, O.**
Pyrolectric Instrument Co. ("Northrup Pyrovolter"), Trenton, N. J.
**Queen & Co., 618 Chestnut, Phila, Pa.**
**Queen-Gray Co., 618 Chestnut, Phila., Pa.**
Sander C. O., Irvington, N. J.
Scientific Instrument Co., Marquette bldg, Detroit, Mich.
**Scientific Materials Co. ("Scimatco," Optical), 717 Forbes, Pittsburgh, Pa.**
**SHORE INSTRUMENT & MFG. CO., THE ("Pyroscope" Optical Pyrometers for High Temperatures), Jamaica, N. Y.**
**Stupakoff S. H. ("Le Chatelier"), 6639 Hamilton av, Pittsburgh, Pa.**
Tagliabue Chas. J. Mfg. Co. (Maximum 1000°F), 18 33d Brooklyn, N. Y.
Taylor Instrument Companies ("Fery" Radiation, etc.; also "Tycos"), Rochester, N. Y.
Thompson-Levering Co. ("Peerless" Jobbins), 325 Arch, Phila., Pa.
**Thwing Instrument Co. (Indicating & Recording Electric Resistance & Radiation), 3339 Lancaster av, Phila., Pa.**
**Uehling Instrument Co. ("Pneumatic"), (Pneumatic Recording), 71 Broadway, New York**
**Weiskopf Abraham, 16 S Clinton, Chicago, Ill.**
Weinhagen & Hecke, 159 Leonard, New York
**WILSON-MAEULEN CO.** ("Advance," "Le Chatelier," "Unipivot"), 369 Concord av, New York
Zaubitz August (Smokestack; Up to 3000 Degrees Fahr), 95 Cliff, New York

## 12043a—Pyrophoric (Cerium Alloy)

**FOOTE MINERAL CO., 107 N 19th, Phila, Pa.**

## 12043b—Pyroxylin Chemicals & Products

Du Pont Chemical Works, Wilmington, Del.

## 12044—Pyroxylin Solutions

Alcohol Products Co., Blanchard, Newark, N. J.
Nixon Nitration Wks, New Brunswick, N. J.

## 12044a— Pyrol

Barrett Co., 17 Battery pl, New York

## Quarries

**See Cement Manufacturers; Granite Producers, etc.; Lime Manufacturers; Marble Producers; Roofing Slate Manufacturers; Stone Producers**

## 12044b—Quarry Equipment & Supplies

**Penn Foundry & Mfg. Co., Reading, Pa.**

## Quarry Hoists & Machinery

**See Hoists of Various Kinds; Cranes of Various Kinds; Drills, Rock; Derricks; Engines, Hoisting, etc.**

## 12044c— Quarry Powder

Atlas Powder Co., 140 N Broad, Phila., Pa. *See adv index at end of book*
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*
McAbee G. R. Powder & Oil Co., Keenan bldg, Pittsburgh, Pa.

## 12045— Quartz

**Adams Enos Co., Bennington, Vt.**
**Carolina Mineral Co., Penland, N. C.**
**Chrystal Charles B. (Imp.), 13 Cliff, New York.** *See adv index at end of book*
**Garden City Sand Co., Chamber of Commerce, Chicago, Ill.**
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
New England Quartz Co. of N. Y. (Granulated), 150 Nassau, New York
**Philadelphia Quartz Co., 121 S 3d, Phila., Pa.**
**Product Sales Co., 32 So. Calvert, Baltimore, Md.**
Robbins A. A. (Miners), 99 John, New York
Thermal Syndicate, Ltd. (Fused), 59 E 41st, New York
**Wausau Quartz Co. (Miners & Crushers of White Quartz & Flint), Wausau, Wis.**
Wiarda John C. & Co. (Jobbers), 272 Greene, Brooklyn, N. Y.
**Wilson-Maeulen Co. (Imp. & Transparent),** 369 Concord, New York

## 12046— Quartz (Glass)

**Eimer & Amend, 205 3d av, New York**
Engelhard Chas. (Transparent), (Selling Agent), 30 Church, New York
**HANOVIA CHEMICAL & MANUFACTURING CO.,** 100 Chestnut, Newark, N. J.
**Lenz Apparatus Co., 9 E 16th, New York**
Thermal Syndicate, Ltd. (Fused Silica), 59 E 41st, New York
Thomas Arthur H. Co., W. Washington sq, Philadelphia, Pa.

## 12047— Quenchers (Coke)

Gas Machinery Co., 1900 Euclid, Cleveland, O.

## 12048— Quicksilver

Atkins Kroll & Co., 260 California, San Francisco, Cal.
Beer, Sondheimer & Co., Inc., Imp., 61 B'way, New York
**BRAUN-KNECHT-HEIMANN CO.** (Imp.), 576-584 Mission, San Francisco, Cal.
**Chisos Mining Co., 51 Exchange, Portland, Me.**
Crownshield Trading Corp. (Dealer), 30 Church, New York
**Haas Bros (American & Imported), 61 B'way, New York**
Industrial Mineral Co., Inc., 525 Phelan bldg, San Francisco, Cal.
**McKesson & Robbins (Imp.), 91 Fulton, New York**
Taft J. H. Co. (Imp.), 100 William, New York
Vogelstein L. & Co., 42 B'way, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 12049— Quinine

Dill-Crosett Inc. of N. Y., 128 William, New York
Falkingham P E., 50 Church, New York
Greeff R. W. & Co., 80 Maiden Lane, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
New York Quinine & Chemical Works, 100 William, New York
Powers-Weightman-Rosengarten Co., 916 Parrish, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Takamine Commercial Corp., 120 Broadway, New York

## Quoits (Rubber)

See Dumb Bells & Quoits

## 12050-1-2—Rabbits (Iron)

**Illinois Iron & Bolt Co., Carpentersville, Ill.**

## 12053— Racks (Baggage)

**Adams & Westlake Co., 319 W Ontario, Chicago, Ill.**
**Corry Metal Products Co. (All Steel, for Hotels, etc), Corry, Pa.**
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Howard Jas. L. & Co., Hartford, Conn.
**Rostand Mfg. Co. ("McCarthy's" Hat & Baggage Racks for Cars), Milford, Conn.**
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**

## 12054— *Racks (Bar Steel)

Heltzel Steek Form & Iron Co., Warren, O.
Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*

## Racks (Bicycle)

See Stands, Bicycle

## 12055—Racks (Book & Catalogue)

Art Metal Construction Co. (Steel & Map), Jamestown, N. Y.
*See adv index at end of book*
Bogert & Hopper, Inc. (Wood), 47 Barclay, New York
*See adv index at end of book*
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Rostand Mfg. Co. ("Rostand"), Milford, Conn.
Watson Mfg. Co., Jamestown, N. Y.

## Racks (Bottle)

**See Bottle Racks, Milk; also Racks, Wine Bottle**

## Racks (Broom)

**See Racks, Display**

## 12056— Racks (Cable)

B. & K. Mfg. Co., New Britain, Conn.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Cope T. J. ("Cope's"), 1620 Chancellor, Philadelphia, Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Efficiency Elec. Co. & Wall, East Palestine, O.
Hubbard & Co., German Bank bldg, Pittsburgh, Pa.
Lanz M. & Sons (For Manholes), 2907 Carson, Pittsburgh, Pa.
Metropolitan Engineering Co. (For Subway Cables), 1250 Atlantic av, B'klyn, N. Y.
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.

## 12057— Racks (Car)

Dayton Mfg. Co. (Car Basket Racks), Dayton, O.
Wallace Supplies Mfg. Co. ("Wallace" Parcel, etc), 412 Orleans, Chicago, Ill.

## 12058—Racks (Card, Wire)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Parker Wire Goods Co. (Wire Folding), Worcester, Mass.
Progressive Wire Goods Co., 13th & Hamilton, Phila., Pa.
Wickwire Spencer Steel Corp. (Adjustable Folding Racks), Worcester, Mass.
*See adv index at end of book*
Woods, Sherwood Co. ("Sherwood's Spiral Wire), Worcester, Mass.

## 12059— Racks (Chair Rod)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.

## 12060— Racks (Core)

A. O. X. EQUIPMENT CO., 549 W Washington blvd., Chicago, Ill.
Allsteelequip Co., Aurora, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*

## 12061— Racks (Cut)

Blount Engineering Co., 100 High, Boston, Mass.
Boston Gear Works ("Boston") (Brass & Steel), Quincy, Mass.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York
Crofoot Gear Works, Cambridge, Mass.
Davis Rodney, 624 Race, Phila., Pa.
Fawcus Machine Co., 2818 to 2828 Smallmann, Pittsburgh, Pa.
*See adv index at end of book*
FOOTE BROS. GEAR & MACHINE CO., 213 N. Curtis, Chicago, Ill.
*See adv index at end of book*
GANSCHOW WM. CO., 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*

Horsburgh & Scott Co., 5114 Hamilton av, Cleveland, O.
James D. O. Mfg. Co., 1120 W Monroe, Chicago, Ill.
Jones W. A. Foundry & Machine Co., (Spur Gear, etc.), 4401 W 12th, Chicago, Ill.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
NUTTALL R. D. CO. (Machine Cut, Steel), McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*
Philadelphia Gear Works (Brass, etc.), E Vine, Philadelphia, Pa.
Simonds Mfg. Co., Liberty & 25th, Pittsburgh, Pa.
Standard Gauge Steel Co. (Finished Cut Steel), Beaver Falls, Pa.
Van Dorn & Dutton Co., 2978 Woodhill, Cleveland, O.

## 12062— Racks (Desk)

Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.

## 12063— Racks (Display)

Acme Level & Mfg. Co., Toledo, O. (For Tools, etc.)
Acme Woodworking Co., 562 W 34th, New York
Angle Steel Stool Co., Otsego, Mich.
Banner Machine Co. ("Ohio" Table Oilcloth Rack), Columbiana, O.
Best John H. ("Best" Revolving Whip Rack & Display Stand, Also Robe Blanket, Linoleum, Lace Curtain, Drapery, Rug, etc), Galva Ill.
Bowser R. M. & Son ("Bowser" Wire Cloth), Renfrew, Pa.
Brager B. (Wood & Metal), 85 5th av, New York
Bryan Novelty Mfg. Co. (Also Newspaper, Oilcloth, etc), Bryan, O.
Dreyer H. G. & Son Co. (Saddlery, etc), Cleveland, O.
Federal Steel Fixture Co., 8700 S Halsted, Chicago, Ill.
Flanders A. F. Mfg. Co. ("Schilling" Adjustable), Buffalo, N. Y.
Globe Mfg. Co. (For Handles), Perry, Ia.
Goldberg Display Fixtures Co., 135 W 23rd, New York
Heitlerkurt 221 4th av, New York
Indianapolis Corrugating Co. ("Peerless" For Linoleum, Lace Curtains, Drapery, Rugs, etc), Indianapolis, Ind.
Lyon Metallic Mfg. Co., Aurora, Ill.
Mosher F. M. (Adjustable Tool, Shovel, etc), Canton, Ill.
Multiplex Display Fixture Co., 918 N 10th, St, Louis, Mo.
Nicol & Co. (Broom), 218 N Jefferson, Chicago, Ill.
Peerless Wire Goods Co., Lafayette, Ind.
Reed E. L. Mfg. Co., Sterling, Ill.
Stender C. F. G. & Co, (Fishing Rod Stands), 1142 W Van Buren, Chicago, Ill.
Swift Stanley C. Mfg. Co. ("Perfection" Linoleum, etc), Cuba, N. Y.
Thorpe F. M. Mfg Co., Lamar, Mo.
Timberlake J. B. & Sons (Plate Bowl, Folding, etc), Jackson, Mich
Trimble F. H. Mfg. Co., 216 W 3d, Los Angeles, Cal.
Twentieth Century Brass Works (Display Fixtures), 514 Fifth av S, Minneapolis, Minn.
Universal Fixture Corp., 133 W 23d, New York, N. Y.
Weston Paper & Mfg. Co ("Climax," "Ideal," "National," "Royal"), Dayton, O.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 12064—Racks (Drill, Reamer, Tap)

Driver C. H. & Kerr Co., Racine, Wis.
Medart Fred Mfg. Co. (Steel), De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*

## 12065— *Racks (Filing)

Art Metal Construction Co. (Steel), Jamestown, N. Y.
*See adv index at end of book*
Medart Fred Mfg. Co. (Steel), De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*

## 12066—Racks (Folding Clothes)

Cassady Fairbank Mfg. Co. ("Federal," "Monarch"), 6126 S La Salle, Chicago, Ill.
Reading Saddle & Mfg. Co. ("Reading") Reading, Pa.

## 12067—Racks for Cold Storage Rooms

Koch Butcher Supply Co., 519 Wyandotte, Kansas City, Mo.
Market Forge Co. (Galvanized Iron Coin), Garvey, Everett, Mass.

## 12067a— Racks (Fruit Can)

Wickwire Spencer Steel Corp. (For Family Use), Worcester, Mass.
*See adv index at end of book*

## 12068—Racks (Garden Hose)

Howard H. J. N. Mfg. Co., 150 Pierce, Washington, D. C.
Mineralized Rubber Co., 11 Kirk pl, Newark, N. J.
Specialty Mfg Co. ("Handy" Hose Rack & Carrier), 2362 University av., St. Paul, Minn.

## 12069—Racks (Hat & Coat)

American Mfg. Co., Chattanooga, Tenn.
Arcade Mfg. Co., Freeport, Ill.
Baker J. R. & Sons Co., Kendallville, Ind.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Champion Hardware Co., Geneva, O.
Dennis W. J. & Co., 2120 W Lake, Chicago, Ill.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Erie Art Metal Co., (Metal Only) Erie, Pa.
Fox Geo. S., 137 N 6th, Phila., Pa.
Ideal Metallic Furniture Co. (Metal), 1259 Military, Detroit, Mich.
McKenna Brass & Mfg. Co., Inc. (Brass), 1st av & Ross, Pittsburgh, Pa.
McLaren Iron Works Co., Cleveland, O.
Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*
Parks & Parks, Troy, N. Y.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Tucker & Dorsey Mfg. Co. (Wood), Indianapolis, Ind.
Wire & Metal Wares Co. (Steel), Erie, Pa.

## 12070—Racks (Hay, Wire & Iron)

Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.

## 12071—Racks (Hay & Stock)

Barber Mfg. Co., Ashtabula, O.
Burnham Mfg. Co., Charles City, Ia.
Casey-Hedges Co., Chattanooga, Tenn.
Clippinger A. B. & Son Mfg. Co., Kansas City, Kan.
Dutton E. Q. & Co. (Corner Hay), Cato, N. Y.
Harriman Mfg. Co., Harriman, Tenn.
Harris Mfg. Co. ("Warren" Automatic Hay), Salem, O.
James Mfg. Co. ("James" Steel), Ft. Atkinson, Wis.
Patterson Mfg. Co., Holly, Mich.
Rockford Steel Fixture Co., Rockford, Ill.
Sargent, Osgood & Roundy Co. (Corner), Randolph, Vt.
Schairer Geo. E., Saline, Mich.
Stoughton Wagon Co., Stoughton, Wis.
True Mfg. Co., Eaton Rapids, Mich.

## 12072— Racks (Insulated)

Fletcher Mfg. Co. ("Fletcher"), Dayton, Ohio

## 12073— Racks (Kitchen Cabinet)

American Mfg. Co., Chattanooga, Tenn.

## Racks (Machine)

**See Racks, Cut**

## 12074— Racks (Mail Pouch)

Shults H. H. Co., Gowanda, N. Y.
Tinsley Railway Supplies & Equipment Co. ("Rausch" for Cars), McCormick bldg, Chicago, Ill.

## 12075— *Racks (Metal)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Yohe Wm. S. Supply Co. (For Shafting Round Bars, etc.) Canton, Ohio.

## 12076— Racks (Milk Bottle)

Smith John P. & Co., New Haven, Conn.

## 12077-8—*Racks (Mining Machine)

**NUTTALL R. D. CO.,** McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*

## 12079— Racks (Oven)

**American Mfg. Co. ("No-Rust"), Chattanooga, Tenn.**
Peerless Wire Goods Co., Lafayette, Ind.
Union Steel Products Co. (Ltd.), Albion, Mich.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 12080—*Racks (Pattern Storage)

**Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.**
*See adv index at end of book*
**Terrell's Equipment Co., Grand Rapids, Mich.**

## 12081— Racks (Pew)

Estes E. B. & Sons (Cards & Books), 364 5th av, New York
*See adv index at end of book*
Wrightsville Hardware Co. (Card & Book), Wrightsville, Pa.

## 12082— Racks (Pipe)

**Bernstein Mfg. Co., 2d & Allegheny, Phila., Pa.**
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Grabler Mfg. Co. (For Heavy Pipe), Cleveland, O.

## 12082a—Racks (Poker Chips)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 12083—*Racks (Portable Forge)

**Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.**
*See adv index at end of book*

## 12084— Racks (Postal Bag)

Keyless Lock Co., Indianapolis, Ind.
Tinsley Railway Supplies & Equipment Co. ("Rausch" Pouch Rack for RR Cars), McCormick bldg, Chicago, Ill.

## 12085— Racks (Pot Cover)

Racine Iron & Wire Works, Racine, Wis.
Wolverine Mfg. Co. ("Wolverine"), Page & Fontella, Pittsburgh, Pa.

## 12085a—Racks (Printing Stamp)

Hill Independent Mfg. Co., Emerald & Adams, Phila., Pa.
Smith R. H. Mfg. Co. ("Bay State"), Springfield, Mass.

## Racks (Rug)

See Exhibitors, Rug

## 12086—Racks (Rubber Stamp)

**American Stamp Mfg. Co., 85 John, New York**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 12087— Racks (Shoe)

Dexter Metal Mfg. Co. (Also Boots), 93 **Arch, Camden, N. J.**
Zering H. Mfg. Co. (Shoe Factory), Oakley, Cincinnati, O.
*See adv index at end of book*

## 12088—Racks (Steel Storage)

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
**LEAKE A. G. ERECTING CO., INC.,** Bridgeport, Conn.
Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*

## 12089—Racks (Stock Room)

Brown Engineering Co. (For Bar Iron, Steel Pipe, etc.), 110 N 3rd, Reading, Pa. *See adv index at end of book*
Manufacturing Equipment & Engraving Co., ("Meco") Framingham, Mass.
Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*
Shults H. H. Co., Gowanda, N. Y.
Yohe Wm. S. Supply Co. (For Shafting Round Bars, etc.) Canton, Ohio.

## 12090— Racks (Test Tube)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 12091— Racks (Ticket, Metal)

California Tool Works, 181 Beale, San Francisco, Cal.
National Ticket Case Co., 842 W 35th, Chicago, Ill.

## 12092— Racks (Tool)

Acme Level & Mfg. Co. (For Displaying Tool), Toledo, O.
Allsteelequip Co. (Stationary & Portable). Aurora, Ill.
Angle Steel Tool Co. ("Ideal"), Ostego, Mich.
Berger Mfg. Co., Canton, O.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Cleveland Metalcraft Co., E 71st & Belt Line, 1281 E. 38th, Cleveland, O.
Cleveland Wire Spring Co. (Sheet Metal), Cleveland, O.
Darby Edw. & Sons Co., 412 W. 18th, Phila., Pa.
Darby Edw. & Sons Co., 239 Arch, Phila., Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Federal Steel Fixture Co., 8700 S Halsted, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Keighley S. Metal Ceiling & Mfg. Co. (Steel Shell), 124 3d av, Pittsburgh, Pa.
Keyless Lock Co., Indianapolis, Ind.
La Porte Mat & Mfg. Co. ("Hercules"), La Porte, Ind.
Lyon Metallic Mfg. Co. ("Lyon" Steel Portable, Revolving & Stationary), Aurora, Ill.
Manufacturing Equipment & Engineering Co., (Steel), Framingham, Mass.
Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*
Mosher F. M. ("Mosher," Adjustable), Canton, Ill.
New Britain Machine Co. ("New Britain," Portable), 190 Chestnut, New Britain, Conn.
**OHIO MFG. CO.,** P. O. Box 136, Painesville, O. *See adv index at end of book*
Terrell's Equipment Co., (Metal), Grand Rapids, Mich.
Toledo Rack & Level Co., 1215 W Bancroft, Toledo, O.
Tucker & Dorsey Mfg. Co. ("Danhour's"), Indianapolis, Ind.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Wisconsin Foundry & Machine Co. (Portable Steel), Madison, Wis.

## 12092a—Racks (Tooth Brush)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 12093— Racks (Towel)

See also Rods, Towel

Arcade Mfg. Co., Freeport, Ill.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Browne & Dowd Mfg. Co., Meriden, Conn.
Buffalo Mfg. Co., Buffalo, N. Y.
Cassady Fairbank Mfg. Co. (Racks & Rollers), 6126 La Salle, Chicago, Ill.
Chapman-Sargent Co. (Ring Roller, Towel Arms, etc), Piqua, O.
**Church C. F. Mfg. Co. ("White Pyralin" Rollers), Holyoke, Mass.**
**Columbus Brass Co., 538 Dublin av, Columbus, O.** ***See adv index at end of book***
Ely Theo. J. Mfg. Co., Girard, Pa.
Estes E. B. & Sons (Wooden), 364 5th av, New York. *See adv index at end of book*
Forsythe Metal Goods Co., E. Aurora, N. Y.
Fox Geo. S., 137 N 6th, Phila., Pa.
Jamestown Curtain Rod Co. (Metal), Jamestown, N. Y.
Landers, Frary & Clark (Polished, Solid Brass), New Britain, Conn.
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
Novelty Mfg. Co. ("Wilwear," Arm Swinging), Waterbury, Conn.
Parker Wire Goods Co. ("Perfection" Three Arm), Worcester, Mass.
Penn Mfg. Co., North Girard, Pa.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Rocky Hill Hardware Co. (Towel & Clothes), Rocky Hill, Conn.
Sillcocks-Miller Co. ("Celluvarno"), South Orange, N. J.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
**Stokes Wm. A. & Co. (Arm & Rollers), 50 Howard, New York**
**Taplin Mfg. Co. ("Ideal"), New Britain, Conn.**
**Tucker & Dorsey Mfg. Co., Indianapolis, Ind.**
**Wire Goods Co. ("Ideal"), Worcester, Mass.**

## 12094—Racks (Trunk, Automobile)

Ajax Trunk & Sample Case Co., 150 W. **18th, New York**
**Clayton's Frank B. Sons, 1227 N 11th, Phila., Pa.**
**Connecticut Steel & Wire Co. ("Standard"), Hartford, Conn.**
Farnham & Nelson Co., 47 Union av, Jamaica pl, Boston, Mass.
**Highton Wm. & Sons Co., Nashua, N. H.**
Koniglow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Kreidler Auto Top Co., Trenton, N. J.
**Milwaukee Auto Specialty Co. ("Masco"), 711 Chestnut, Milwaukee, Wis.**
**Motor Car Supply Co. ("Cradle"), 1453 Michigan av, Chicago, Ill.**
Reliance Engineering Co., Lansing, Mich.
Republic Auto Parts Co. (For Ford Cars) 81 10th, Lon Island City, N. Y.
Sargent & Ham Co. ("A-1"), 26 Bowker, Boston, Mass.
**Smith H. Lund, Paterson, N. J.**
Sterling Top & Equipment Co., 518 W 57th, New York
Sutherland F. L. Co., 139 Beaubien, Detroit, Mich.
Wilson F. Cortez Co., 159 W Lake, Chicago, Ill.
Winship W. W., 71 Summer, Boston, Mass.

## Racks (Umbrella)

See Stands, Umbrella

## 12095— Racks (Wire Rust)

Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

## 12096— Racks (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Bundy W. H. Recording Co. (Time Card), 135 5th av, New York

**When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER**

RACKS (WOODEN)—continued

**ESTES E. B. & SONS** (Book, Poker Chip, Communion Cup, Test Tube, Pen, Pew Book, Tooth Brush, etc), 364 5th av, New York
*See adv index at end of book*

**Established 1847** **E. B. ESTES & SONS**
Manufacturers of
**WOODEN RACKS**
**For Poker Chips, Test Tubes, Display Purposes, etc.**
We make every description of Small Counter and Window Display Rack
**364 5th AVENUE NEW YORK CITY**

## Radiator Bronze
See Bronze Powders

## 12097—Radiator Dust Catchers
Hawkins Rollyn, Indianapolis, Ind.

## Radiator Guards (Wire)
See Radiator Shields

## Radiator Screens
See Radiator Shields

## 12098— Radiator Shields
Acme Fancy Wire Works (Also Guards), Canfield & Moran, Detroit, Mich.
America Heating & Supply Co., Rockford, Ill.
Buffalo Wire Works Co. (Also Guards), 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
**DAHLSTROM METALLIC DOOR CO.**, (Special), 413 Buffalo, Jamestown, N. Y. *See adv index at end of book*
Decatur Cornice & Roofing Co. ("Perfect"), Decatur, Ill.
Estey Bros. Co. (Motor Truck Guards), 270 Union av, Brooklyn, N. Y.
*See adv index at end of book*
Estey Wire Works Co. (Also Guards), 34 Cliff, New York
Foster Sheet Metal Co., Springfield, Ill.
Gerkin J. D. & Co. ("Perfect"), Toledo, O.
Hawkins Rollyn, Indianapolis, Ind.
Hill Mfg. Co., 2127 Railway Exchange bldg, St. Louis, Mo.
Howard & Morse (Also Guards), 45 Fulton, New York
Johnson W. H. & Son Co. ("Acme"), 330 E St. Joseph, Indianapolis, Ind.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Mansfield Steel Corp. (Also Guards), 288 E Milwaukee, Detroit, Mich.
Meyers Fred J. Mfg. Co. (Also Guards), Hamilton, O. *See adv index at end of book*
Monash-Younker Co. ("Dixon" & "Monash"), 1407 W Jackson blvd, Chicago, Ill.
Prentice L. H. Co., 330 Sherman, Chicago, Ill.
Prox Frank Co., Terra Haute, Ind.
Rutherford J. & Son ("Star"), Akron, O.
St. John & Barquist, Des Moines, Ia.
Sanitary Radiator Shield Co., 5047 Winthrop av, Chicago, Ill.
Schueler Ventilation Co., Bloomington, Ill.
Sodemann Heat & Power Co. ("Shapco"), 2506 Morgan, St. Louis, Mo.
Steelite Co., 1902 W. 77th Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Thomas & Armstrong Co., Dayton, O.
Tuttle & Bailey Mfg. Co. (Ornamental Cast Iron or Bronze), 52 Vanderbilt av, New York

## 12099—Radiators (Aeroplane)
A. Z. Co., 527 W 5th, New York
Ajax Auto & Aero Sheet Metal Co. (Aero Radiators Intake & Exhaust Pipes), 245 W 55th, New York
Bush Mfg. Co., 77 Commerce, Hartford, Conn.
El Arco Radiator Co., 252 W 64th, New York
English & Mersick, Winchester av, New Haven, Conn.
Fedders Mfg. Co., Buffalo, N. Y.
Flexo Mfg. Co. ("Flexo"), 1312 E 12th, Los Angeles, Cal.
G. & O. Mfg. Co., New Haven, Conn.
Livingston Radiator & Mfg. Co., 75th & Amsterdam av, New York
McCord Mfg. Co., Detroit, Mich.
Rome-Turney Radiator Co., Rome, N. Y.

## Radiators (Automobile)
See Radiators, Water Cooling

## 12100— Radiators (Electric)
Adams Bros. Mfg. Co., 4042 Liberty av., Pittsburgh, Pa.
American Electrical Heater Co. (Luminous & Non-Luminous), Detroit, Mich.
**CUTLER-HAMMER MFG. CO.**, 12th & St Paul av, Milwaukee, Wis.
*See adv index at end of book*
Despatch Mfg. Co., 120 1st av, Minneapolis, Minn.
Edison Elec. Appliance Co., 5600 Taylor, Chicago, Ill.
Elec. Heating & Mfg. Co., Westlake & Republican, Seattle, Wash.
Elec. Steam Radiator Co. Portland, Me.
Estate Stove Co., Hamilton, O.
Hulbert Electro-Steam Mfg. Co., 205 Tehama, San Francisco, Cal.
Landers Frary & Clark, New Britain, Conn.
Peloms Mfg. Co., 232 E Ohio, Chicago, Ill.
Philps Mfg. Co., 49 W. Larned, Detroit, Mich.
Prometheus Electric Co. (Air Heaters), 511 W 42d, New York
Quick Elec. Heater Co., Madle, Cincinnati, O.
Rathbone Mfg. Co., Grand Rapids, Mich.
Russell Elect. Co., ("Hold Heet"), 101 W Austin, Chicago, Ill.
Rutenber Elec. Co., Marion, Ind.
S. P. Store Co., Wilmetti, Ill.
Sharp C. H. Mfg. Co., 315 W 5th, Los Angeles, Cal.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Thermo Mfg. Co. (Air Heaters), Cleveland, O.
Waldman John J., 164 Murray, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Willis Elect. Co., 4140 Euclid av, Cleveland, O.

## Radiators (Electric Car)
See Heaters, Electric Car

## 12101— Radiators (Gas)
Adler H. Co. ("Acme"), Carnegie, Pa.
American Beauty Stove Co. ("American Beauty"), Erie, Pa.
American Stove Co. ("Reliable," "Clark," "Quick Meal," "Dangler," "National," "Standard"), 827 Chouteau, St. Louis, Mo.
Century Mfg. Co., 453 Canal, New York
Clark Geo. M. & Co. ("Jewell"), 179 N Michigan av, Chicago, Ill.
Clow J. B. & Sons ("Gastream" & "Gaswater") 544 S Franklin, Chicago, Ill.
Crane Wm. M. ("Vulcan"), 16 W 32d, New York
Dangler Stove Co. (Branch), 5017 Perkins av, Cleveland, O.
Detroit Heating & Lighting Co., Liebs & Wight, Detroit, Mich.
Eriez Stove & Mfg. Co. ("Eriez"), Erie, Pa.
Franklin Co. (Gas Steam), Canton, O.
Hugo Mfg. Co., Duluth, Minn.
Mead Gas Heater Co. (Gas & Steam), Delawanna, N. J.
Reliable Stove Co. ("Reliable"), 1787 E. 40th, Cleveland, O.
Scientific Heater Co., 1065 E 152d, Cleveland, O.
Southard-Robertson Co. ("Magnetic"), Peekskill, N. Y.
Union Stove Works ("Grand"), 70 Beekman, New York
Watt Robt. Mfg. Co. ("Watt" Gas & Steam), 1701 N 20th, Phila., Pa.
Weiskittel A. & Son Co. ("Fire King"), 12th & E Lombard, Baltimore, Md.

## 12102—Radiators (Hot Water & Steam)
American Radiator Co. ("American," "Peerless" "Roccoco"), 816 Michigan av, Chicago, Ill.
Atlantic Radiator Co., Huntingdon, Pa.
Buckingham Routh Co. ("Gold" Sheet Iron), New Haven, Conn.
Case W. A. & Sons Mfg. Co. ("Matchless"), Buffalo, N. Y.
Central Radiator Co., Lansdale, Pa.
Dennison Fdry & Mach. Co., Dennison, O.
Fowler & Wolfe Mfg. Co. ("Wall Radiators), Phila. Bourse, Phila., Pa.
Franklin Co. (Automatically Controlled Steam), Canton, Ohio
Gibson Iron Works ("Exeter"), Gibson City, Ill.
Gurney Heater Mfg. Co. ("Gurney" & "Tremont"), 188 Franklin, Boston, Mass.
Hoover Radiator Co., 410 N Western av, Chicago, Ill.
Hudson Boiler Mfg. Co., 359 W 42d, New York
Kansas City Radiator Co., 31st, Kansas City, Mo.
Kewanee Boiler Co., Kewanee, Ill.
Lober Radiator & Mfg. Co., 128 11th, Toledo, O.
Logansport Radiator & Equipment Co. ("Logan"), Logansport, Ind.
McLain J. H. Co., Canton, O.
Mackay Mfg. Co. ("Knickerbocker"), 234 Water, New York
Monitor Bi-Loop Radiator Co. ("Co. ("Bi-Loop"), Lancaster, Pa.
Nason Mfg. Co., 71 Fulton, New York
National Radiator Co. ("Novus," "Solus," "Bedford," "Somerset"), Johnstown, Pa.
New York Radiator Co., Utica, N. Y.
Page Wm. H. Boiler Co., 141 W 36th, New York
Prox Frank Co., Terre Haute, Ind.
Richmond Radiator Co. ("Richmond" Direct & Indirect & Wall), 1480 B'way, New York
Shirley Radiator & Foundry Co., Indianapolis, Ind.
Smith H. B. Co. ("Princess," "Princess Wall," "Smith Hot Blast," "Imperial," "Reed," "Loyal," "X-Ray," "Sovereign," "Gold Pin," "School Pin," "Aerial," "Smithon," "W. B."), Westfield, Mass.
South Park Foundry & Machine Co. ("Bon Ton" & "Rising Sun"), St. Paul, Minn.
Union Radiator Co. ("Concord"), Johnstown, Pa.
U. S. Radiator Corp. ("Florentine," "Triton"), 133 E Grand River av, Detroit, Mich.
Utica Heater Co., Utica, N. Y.
Williamsport Radiator Co., ("Norka") Williamsport, Pa.

## 12103—Radiators (Stove Pipe)
Cole Mfg. Co., 3218 S Western av, Chicago, Ill.
Excelsior Stove & Mfg. Co. (Heating), Quincy, Ill.
Hemp & Co., Vandeventer nr Shaw, St. Louis, Mo.
Independent Register & Mfg. Co., 718 Frankfort, Cleveland, O.

## 12104—Radiators (Tractor)
Candler Radiator Co. (& Truck), 1084 Jefferson E, Detroit, Mich.
Chicago Mfg. Co. ("Chicago"), 1464 S Michigan av, Chicago, Ill.
G. & O. Mfg. Co., New Haven, Conn.
Jamestown Car Parts Mfg. Co., Jamestown, N. Y.
Perfex Radiator Co., Racine, Wis.
Rome-Turney Radiator Co., Rome, N. Y.
Standard Radiator Co., Inc., Springville, N. Y.

## 12104a—Radiators (Water Cooling)
American Pressweld Radiator Corp., G. T. R. R. & Euclid, Detroit, Mich.
Auto Fender & Radiator Wks., 1140 Geary, San Francisco, Cal.
Auto Lamp & Radiator Co., 1614 Prospect, Cleveland, O.
A. Z. Co., 527 W 56th, New York
Borbein Auto Co., 2109 N 9th, St. Louis, Mo.
Candler Radiator Co., 1084 Jefferson E, Detroit, Mich.
Champion Mfg. Co., 552 Golden Gate av, San Francisco, Cal.
Corcoran Mfg. Co., Norwood, Cincinnati, O.
Detroit Auto Specialty Co. ("Honeycomb"), 909 Greenwood av, Detroit, Mich.

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**English & Mersick Co., New Haven, Conn.**
**Fedders Mfg. Co. ("Honeycomb"), Buffalo, N. Y.**
G. & O. Mfg. Co., New Haven, Conn.
Harrison Radiator Corp., Lockport, N. Y.
Hayes Mfg. Co., 480 Mayberry, Detroit, Mich.
**Jamestown Car Parts Mfg. Co. ("Jamestown") Jamestown, N. Y.**
**Kells W. J. Mfg. Co., 521 W 45th, New York**
**Kurtzner Radiator Co., 7512 Carnegie av, Cleveland, O.**
**La Haye Mfg. Co., 298 11th, San Francisco, Cal.**
Livingston Radiator Corp., 75th & Amsterdam av, New York
**Long Mfg. Co., 2768 E Gd. blvd., Detroit, Mich.**
Marlin-Rockwell Corp., New Haven, Conn.
**Motor Products Corp, Mack & Onter Belt Line, Detroit, Mich.**
**Nathan Novelty Mfg. Co. (For Fords) 55 5th av., New York.**
National Can Co., Detroit, Mich.
**Rome-Turney Radiator Co., Rome, N. Y.**
**Standard Radiator Co., Inc., Springfield, N. Y.**
**Syracuse Automobile Radiator Co., Syracuse, N. Y.**
**Terwedo Mfg. Co., Oshkosh, Wis.**
**Unitube Auto Radiator Corp. ("Unitube"), Rochester, N. Y.**
Western Mechanical Works ("Staggard"), 520 W Pico, Los Angeles, Cal.
**Western Radiator & Fender Mfg. Co., 1430 Bush, San Francisco, Cal.**

## 12104b—Radiators (Transformer, Cooling)

**Jamestown Car Parts Mfg. Co., Jamestown, N. Y.**
Pressed Metal Radiator Co., Pittsburgh, Pa.
**Rome-Turney Radiator Co., Rome, N. Y.**

## 12105— Radium

**American Luminous Products Co., (Radium Enamel) Huntington Park, Cal.**
**Elmer & Amend, 205 3d av, New York**
**Fuerst Bros. & Co., 2 Stone, New York**
Radium Chemical Co. (Distributors Only & Luminous Compounds), 3530 Forbes, & 4 Meyrau av, Pittsburgh, Pa.
**Radium Limited, U. S. A., 2 W. 45th New York.**
Radium Luminous Material Corp. ("Undark" Luminous & Salts), 58 Pine, New York
Standard Chemical Co., Vanadium bldg, Pittsburgh, Co.

## Radium Compounds

See Compound, Luminous.

## 12105a—Radius Planer Attachments

**Underwood H. B. & Co., 1025 Hamilton, Phila., Pa.**

## 12106—Raffia Grass Importers

**Jacob Chas. W. & Allison, 18 Cedar, New York**

## Rags (Wiping)

**See Wipers, Machine**

## Rail Bond Testers

**See Instruments, Electrical Testing & Measuring**

## 12107— Rail Bonds

**AMERICAN STEEL & WIRE CO. ("United States," "Crown," Twin Terminal, "Triplex" "Arc Weld," Flame Weld, 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Brown, Harold P., 120 Liberty, New York
Electric Railway Improvement Co. (Copper Electrically Welded & Electrically Braized), 2070 E. 61st pl, Cleveland, O.
**Electric Service Supplies Co. ("Protected"), 17th & Cambria, Phila., Pa.**
**GENERAL ELECTRIC CO., Schenectady, N. Y.** *See adv index at end of book*
Holden & White, Fisher bldg, Chicago, Ill.
Jamison Rail Bond & Electrical Supply Co. ("J. A. J."), Jenkins Arcade, Pittsburgh, Pa.
Johns-Manville Co., H. W., Madison av & 41st, New York
**Lord Mfg. Co. ("Thomas" Laminated Soldered), 105 W 40th, New York**
Metal & Thermit Corp. ("Thermit," Welded), 120 B'way, New York
*See adv index at end of book*
**OHIO BRASS CO.** ("O-B."), Mansfield, O.
*See adv index at end of book*
Protected Rail Bond Co., 17th & Cambria, Phila., Pa.
Rail Welding & Bonding Co. of Am., 2400 Woodland av, Cleveland, O.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
**Union Electric Co. ("Union"), 31 Terminal way, Pittsburgh, Pa.**

## 12108— Rail Joints

Ames W. & Co., Communipaw av, Jersey City, N. J.
*See adv index at end of book*
**Atlas Railway Supply Co. ("Atlas," for Tee or Girder Rails), 431 S Dearborn, Chicago, Ill.**
**Bethlehem Steel Co., S. Bethlehem, Pa.**
**BOSSERT CORP., THE** (Collar), cor Linden st & West av, Utica, N. Y.
*See adv index at end of book*
Carnegie Steel Co. ("Duquesne", "Braddock"), Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
**FISHEL & MARKS, INC.**, ft of Krakow av, Cleveland, O.
*See adv index at end of book*
Hatfield Rail Joint Mfg. Co. ("Hatfield"), Macon, Ga.
**Illinois Steel Co., 208 S La Salle, Chicago, Ill.**
**Industrial Supply & Equipment Co. ("Manhattan," Rolled Steel Standard Joint), 407 Sansom, Phila., Pa.**
Lackawanna Steel Co., Buffalo, N. Y.
Lincoln Rail Welding Co., Williamson bldg., Cleveland, O.
Metal & Thermit Corp. ("Thermit" Welded), 120 B'way, New York
*See adv index at end of book*
Rail Joint Co. (Continuous "Weber," "Wolhaupter" & "100 per cent."), 61 B'way, New York
**Rail Joint Co., Penn bldg., Philadelphia, Pa.**
Rail Welding & Bonding Co. of Am., 2400 Woodland av, Cleveland, O.
Railroad Supply Co. (Fibre Insulation), 203 S Dearborn, Chicago, Ill.
Ramapo Iron Works, Hilburn, N. Y., & Niagara Falls, N. Y.
Reading Specialties Co. (Compromise), Reading, Pa.
Reinforced Rail Joint Co. ("Roach" Reinforced), Syndicate Trust bldg, St. Louis, Mo.
Track Specialties Co., 29 B'way, N. Y.
Wilmington Malleable Iron Works of Eastern Malleable Iron Co., Wilmington, Del.

## 12109—Rail Joints (Continuous)

Rail Joint Co. ("Weber," "Wolhaupter" & 100 per cent."), 61 Bway, New York

## 12110—Rail Mills (Iron & Steel)

**(This List Contains Only the Mills that Roll Rails; see also Rails, Steel)**
**American McKenna Process Co. ("McKenna" Process Renewed Steel Rails), 373 Broadway, Milwaukee, Wis.**
**Bethlehem Steel Co. (Standard Sections, Open Hearth, Open Hearth Nickel Steel & Nickel Chrome Steel Rails), South Bethlehem, Pa.**
**Buckeye Rolling Mill Co. (Light Rails, 12-16-20-25-30-35 & 40 lbs.), Steubenville, O. Mills: Newark, O.**
Cambria Steel Co. (T Rails, 12 to 15 lbs.), **Widener bldg, Phil., Pa.**
Carnegie Steel Co. (Bessemer Standard **Sections of Steel Rails, 50 lbs. & Heavier & Light Sections under 50 lbs.),** Carnegie bldg, Pittsburgh, Pa.
**Colorado Fuel & Iron Co. (Standard Sections of Bessemer & Open Hearth Steel Rails & Light Mine Rails), Denver, Colo.**
Dominion Iron & Steel Co., Ltd., 15 John, New York
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Great Lake Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**Illinois Steel Co. (Bessemer & Open Hearth Standard Sections 50 to 100 lbs., Bessemer Light Steel Rails 8 to 45 lbs.), 208 S La Salle, Chicago, Ill.**
**Knoxville Iron Co. (Light Iron T Rails, 12 to 30 lbs.; also Street Rails), Knoxville, Tenn.**
Lackawanna Steel Co. (Bessemer & Open **Hearth Standard Sections of Steel Rails; also Light Steel Rails, 12 to 65** lbs.), Buffalo, N. Y.
Latshaw Steel & Metal Products Corp.,220 B'way, New York
*See adv index at end of book*
Lorain Steel Co. (Girder & High Tee), Johnstown, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**Rail Joint Co. (Tram Rails), 61 B'way, New York**
Rownson, Drew & Clydesdale, Inc., 80 Wall, New York
Stolz Jos & Son, Inc., 841 E 136th, New York
**Sweets Steel Co. (Light Steel 12 to 60** lbs.), Williamsport, Pa.

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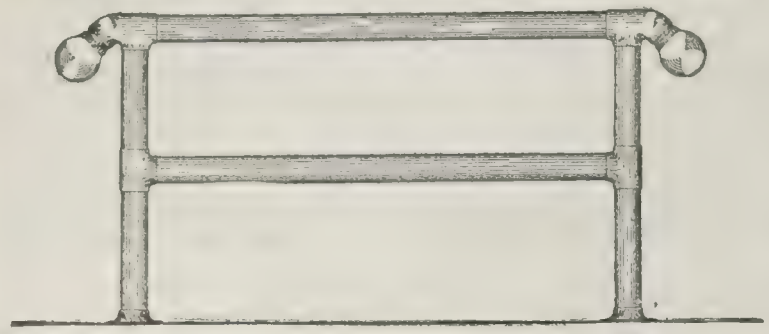

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United States Rail Co. (Renewed Steel Rails 8 to 40 lbs.), Cumberland, Md.
West Virginia Rail Co. (Steel Rails, 16 to 30 lbs.), Huntington, W. Va.

### 12110a— Rail Welding

Metal & Thermit Corp, 120 B'way, New York. *See adv index at end of book*

### Railings (Altar)

See Brass Altar Rails & Pulpits

### Railings (Brass)

See Bank & Office Railings

### 12111— Railings (Iron, Brass & Bronze Pipe)

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Anchor Post Iron Works, 167 B'way, New York. *See adv index at end of book*
Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
**Beckley Perforating Co. (Iron Only), Garwood, N. J.**
Beere Geo. W. (Iron), 294 Taaffe pl, Brooklyn, N. Y.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Cincinnati Mfg. Co., Cincinnati, O.
**COLUMBUS BRASS CO. (Brass & Bronze) 538 Dublin av, Columbus, O.**
*See adv index at end of book*
Gorham Co. Arch'l Bronze (Brass & Bronze Only), 5th av & 36th, New York. Works: Providence, R. I.
**Heath-Johnson Co., 300 W Ontario, Chicago, Ill.**
Hecla Iron Works, 118 N. 11th, Bklyn, N. Y.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Larkin J. K. & Co. (Iron & Brass), 34 Reade, New York
*See adv index at end of book*
Lasar Ornamental Iron Co., 16th O'Fallon, St. Louis, Mo.
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
**Mack Iron & Wire Wks, Sandusky, O.**
**NEWMAN MFG. CO.**, 707 Sycamore, Cincinnati, O., & 68 W. Washington, Chicago, Ill. *See adv index at end of book*
**Peerless Iron Pipe Exchange, Inc., 302 B'way, New York.**
Pipe Railing Construction Co., 79 6th, Long Island City, N. Y.
Republic Structural Iron Works Co. (Iron), 1350 53d, Cleveland, O.
**SIMMONS JOHN CO.** (Iron Pipe of All kinds), 110 Centre, New York
*See adv index at end of book*
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**Southwest Wire & Iron Works Co., Kansas City, Mo.**
**Steelite Co., 1902 W. 77th, Cleveland, O.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
**TYLER W. S. CO., Cleveland, O.**
*See adv index at end of book*
**Voltz Mfg. Co., 914 Penn., St. Joseph, Mo.**
Vulcan Rail & Construction Co., 35 Meserole av, Brooklyn, N. Y.
Wickwire Spencer Steel Corp. (& Fixtures), Worcester, Mass.
*See adv index at end of book*
**Wisconsin Iron & Wire Wks, Milwaukee, Wis.**

### 12112—Railings (Tool Room)

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*

### 12113— Railings (Vault)

**American Safety Lamp & Mine Co., Scranton, Pa.**
Anchor Post Iron Works, 167 B'way, New York
*See adv index at end of book*
Buffalo Wire Works Co. (Bronze), 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Steelite Co., 1902 W. 77th Cleveland, O.
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*

### 12114— Railroad Curves

**American Frog & Switch Co., Hamilton, O.**
*See adv index at end of book*
Keuffel & Esser Co., Hoboken, N. Y.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

### 12114a—Railroad Equipment (For Narrow Gauge)

American Frog & Switch Co., Hamilton, O.
*See adv index at end of book*
**CENTRAL FROG & SWITCH CO., Cincinnati, Ohio.**
*See adv index at end of book*
Cincinnati Frog & Switch Co., Cincinnati, O. *See adv index at end of book*
**Dunn J. T. C., Inc., (Imp.) 216 Pine San Francisco, Cal.**
*See adv index at end of book*


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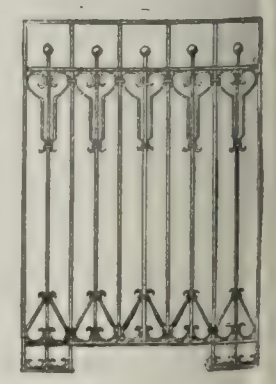

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## 12115—Railroad Equipments (Second Hand)

**Acar Mfg. Co.**, 30 Church, New York.
**Apex Equipment Co.**, 63 Wall, New York
**Barry Bert B.**, Peoples' Gas bldg., Chicago, Ill.
**Birmingham Rail & Locomotive Co.** (Locomotives, Relaying Rails, Frogs, Switches, etc), Birmingham, Ala.
**Coates, Bennett & Reidenbach (Relaying Rails, etc.), Rochester, N. Y.**
**Conard Thos. P.**, Harrison bldg., Phila., Pa.
**Cox Justice Jr. & Co.** (Cars, Locomotives, Relaying Rails, etc), Land Title bldg, Phila., Pa.
**Dallett & Co., Harrison bldg, Phila., Pa.**
**Dooley-Killian Co., Inc.** (Rails), 26 Cortlandt, New York
**Duluth Iron & Metal Co., Duluth, Minn.**
**Dunkle Arthur J. Co.**, 50 Church, New York
**FISHEL & MARKS CO.**, ft of Krekow av, Cleveland, O.
*See adv index at end of book*
**Foster H. M. Co.** (Relaying Rails), Baltimore & Culvert, Baltimore, Md.
**Foster L. B. Co. (Steel & Relaying Rails), Park bldg, Pittsburgh, Pa.**
**Frank M. K. (Relaying Rails, etc), Frick bldg, Pittsburgh, Pa.**
**Fuller Steel & Iron Co.**, Park bldg., Pittsburgh, Pa. *See adv index at end of book*
**General Equipment Co.** (Locomotives, Cars, Relaying Rails, etc), 30 Church, New York
**Gerson I. & Son, Toledo, O.**
**GREEN L. A.**, First Nat'l Bk. bldg, Pittsburgh, Pa.
**Greenspon's Jos. Sons Iron & Steel Co.** (Relaying Rails, etc.), 67 Branch, St. Louis, Mo.

**Hirsch Cal. & Sons, Mercantile Co.** (Relaying Rails & Track Materials), 300 S B'way, St. Louis, Mo.
**Hofins Steel & Equip Co.**, Seattle, Wash.
**HOISTING MACHINERY CO.**, 50 Church, New York *See adv index at end of book*
**Hubbard-Floyd Co., Inc.**, 90 West, New York
**Hyman-Michaels Co.** (Relaying Rails), People's Gas bldg, Chicago, Ill.
*See adv index at end of book*
**Inter-State Car Co.** (Freight Cars Only), Indianapolis, Ind.
**Jones J. B. & Co.** (Relaying Rails), 718 Lacock, Pittsburgh, Pa.
**Joseph Isaac Iron Co.**, 528 Reading rd, Cincinnati, O.
**Joseph, Joseph & Bro. Co., Cincinnati, O.**
**KLEANHANS CO.**, Union Arcade, Pittsburgh, Pa. *See adv index at end of book*
**Knight Iron & Metal Co.** (Relaying Rails, etc.), 27th to 28th & 1st av, Birmingham, Ala.
**Lambert H T. Co.** (Relaying Rails) Huntington, W. Va.
**Lawson F. A.**, 525 Market, San Francisco, Cal.
**Leaf E. B. Co.** (Cars, Locomotives, Rails, etc), 50 Church, New York
**LEVIS HENRY & CO.** (Rails, Cars, etc), Commercial Trust bldg, Phila., Pa.
*See adv index at end of book*
**Lines, Flynn Co.**, 30 Church, New York
**Luther Frederick P. Co.** (New & Second-Hand Locomotives, Cars, etc), 14 E Jackson blvd, Chicago, Ill.
**MacCleary J. H.** (Locomotives Cars, etc.), Suffolk, Va.
**Males Co.** (Locomotives, Cars, Rails, Steam Shovels, etc.), 2226 Fulton av, Cincinnati, O.,
**Merchants Steel & Supply Co.** (Relaying Rails, etc), 208 S La Salle, Chicago, Ill.
**Miller Supply Co.**, Huntington, W. Va.
**Mitshun M. Co.**, 985 Dix, Detroit, Mich.
**Moore Bros.**, 39 S La Salle, Chicago, Ill.
*See adv index at end of book*
**Morrison & Risman**, 1437 Bailey av, Buffalo, N. Y.
**Newhall Geo. M. Engineering Co.** (Relaying Rails, etc.), Commercial Trust bldg, Philadelphia, Pa.
**Niles F. H. & Co., Inc.**, 233 B'way, New York
**OHIO IRON & METAL CO.**, 38 S Dearborn, Chicago, Ill.
**Pacific Car & Fdry Co.**, Seattle, Wash.
**Penna. Eqp. Co.**, Crozer bldg, Phila., Pa.
**Railway Supply & Mfg. Co.**, Cincinnati, O.
**Railway & Power Equipment Co.**, 233 B'way, New York
**Richardson & Co.** (Relaying Rails, etc), 2101 Oliver, Pittsburgh Pa.
**Sabel Bros.** (Relaying Rails), Jacksonville, Fla.
**Sherwood E. C.** (Steel Tee Rails, etc), 50 Church, New York
**Shook & Fletcher Supply Co.** (Relaying Rails), Birmingham, Ala.
**Smith Thos. & Son** (Relaying Rails), 75 Pike Slip, New York
**Sonken-Golamba Iron & Metal Co.** (Relaying Rails), N 2nd, Kansas City, Kans.
**SOUTHERN IRON & EQUIPMENT CO.**, (Locomotives, Rails etc), Atlanta, Ga.
**Standard Railway Euipment Co.**, 20 W Jackson blvd, Chicago, Ill.
**Steel Rail Supply Co.** (Relaying & Scrap Rails, Spikes, etc), 2 Rector, New York
**Tillery J. F. Iron Co., Knoxville, Tenn.**
**Union Iron Works Co., Selma, Ala.**
**Universal Railway Supply Co.** (Relaying Rails, etc), 122 S Michigan av, Chicago, Ill.
**Warner P. B.**, Sedamsville, Cullums Station, Cincinnati, O.
**Watson John B. Co.** (Locomotives, Cars, etc), Witherspoon bldg, Philadelphia, Pa.
**Wilson E. H. & Co.** (Locomotives, Coaches, Rails, etc), Commercial Trust bldg, Phila., Pa.
**Zelnicker Walter A. Supply Co.** (Rails, Locomotives, Rolling Stock, etc), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 12116—Railroad Portable Lights

**MacLeod Co.**, 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**Milburn Alex. Co.** ("Milburn" Self-Contained Acetylene), 1426 W Baltimore, Baltimore, Md.

## 12117—Railroad Stationery, Blanks, Manifests, Etc.

See also Paper, Railroad, Manila & Writing
**Allen Lane & Scott** (Printers), 1211 Clover, Phila., Pa.
**Armstrong H. J. & Co.**, 538 S Clark, Chicago, Ill.
**Autographic Register Co.** ("Shoups" Manifold Books), Hoboken, N. J.
**Baker-Vawter Co.** (Manifold Shipping Banks), Benton Harbor, Mich.
**Barlow Bros.** (Manifold Shipping Blanks), Grand Rapids, Mich.
**Boorum & Pease Co.** (Manifold Books), 109 Leonard, New York
**Brown Martin B. Printing & Binding Co.** (Railroad Printing, etc), 39 Chambers, New York
**Conolly Hy Co.**, Rochester, N. Y.
**Dexter C. H. & Sons**, Windsor Locks, Conn.
**Diamond Mills Paper Co.** (Manifests & Copying Papers), 44 Murray, New York
**Fleet-McGinley Co.** (Printers), cor South & Water, Baltimore, Md.
**Francis & Loutrel Co.** (Manifold Books, etc), 21 Cliff, New York
**General Manifold & Printing Co.** (Manifold), Franklin, Pa.
**Hall J. C. Co.** (Manifold Books, etc), 68 W Exchange, Providence, R. I.
**Hamilton Autographic Register Co.** (Manifold Shipping Blanks), Hamilton, O.
**Hampden Glazed Paper & Card Co.** (Railroad Blanks), Holyoke, Mass.
**Holyoke Card & Paper Co.** (Railroad Blanks), Springfield, Mass.
**Johnston Wm. G. Co.** (Manifolds, Bills of Lading, Blanks, etc.), 429 Wood, Pittsburgh, Pa.
**Mann Wm. Co.** (Copying Paper, etc), 105 Chambers, New York
**Monarch Manifold Book Co., West & Hubert, New York**
**N. Y. Blank Book Co.**, 316 Hudson, New York
**Rand McNally & Co.** (Railroad Printing), 538 S Clark, Chicago, Ill.
**Rogers Manifold & Carbon Paper Co.** (Manifold Books & Carbon Paper), 33 Sullivan, New York
**Union Mills Paper Mfg. Co.** (Copying Paper), New Hope, Pa.
**Ward John & Son**, 115 Cedar, New York
**Whitmore Mfg. Co.** (Railroad Blanks), Holyoke, Mass.
**Whittelsey Frank H. Co.** (Railroad Manifest Impression Paper, Train Order Blanks, etc), Windsor Locks, Conn.

## Railroad Supplies

See Specific Article Wanted; also Rail Mills, Iron & Steel; also Hardware, Wholesale; also Mill & Factory Supplies; also Iron & Steel Manufacturers of Various Kinds; also Machinery Manufactures of Various Kinds
**For All Other Railroad Specialties, etc., see Index of Contents**

## Railroad Ties

See Ties, Poles & Posts

## Railroad Velocipedes

See Cars, Velocipede

## Rails (Automobile)

See Rails, Coat, Robe, etc.

## 12118— Rails (Barn Door)

**Allith-Prouty Co.**, Danville, Ill.
**Aurora Door Hanger & Specialty Co., Aurora, Ill.**
**Brewer Bros. Co.** (Wrought), 2nd & Somerset, Phila., Pa.
**Cambria Steel Co.**, Widener bldg., Phila., Pa.
**Hunt, Helm, Ferris & Co.** ("Harvard" Steel), Harvard, Ill.
**Lawrence Bros.**, Sterling, Ill.
**MYERS F. E. & BRO.** ("Myers, O. K.," "New Way," "Giant," "Hercules," "Faultless"), 900 Fourth, Ashland, O.
*See adv index at end of book*
**National Mfg. Co.**, Sterling, Ill.
**Reading Hardware Co.**, Reading, Pa.
**Richards-Wilcox Mfg. Co.**, Aurora, Ill.
**Stowell Co., The** (Parlor Door & Hay Carrier), South Milwaukee, Wis.

## 12119— Rails (Carriage, Etc.)

**Searls Mfg. Co., 23 Mulberry, Newark, N. J.**

## 12120—Rails (Coat, Robe, Etc.)

**Attwood Brass Works**, Grand Rapids, Mich.
**Fiat Metal Mfg. Co.**, 223 W Huron, Chicago, Ill.
**Gemco Mfg. Co.** ("Gemco" Robe, Foot, etc), Milwaukee, Wis.
**Highton Wm. & Sons Co.** (Robe, etc), Nashua, N. H.
**Novelty Mfg. Co.** (Robe, Foot, Coat), Waterbury, Conn.
**Republic Auto Parts Co.**, 81 10th, Long Island City, N. Y.

## 12121— Rails (Door)

**Aurora Door Hanger & Specialty Co., Aurora, Ill.**
**Bridgeport Brass Co.**, Bridgeport, Conn.
**Heath J. S. Co.**, Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
**Imperial Brass Mfg. Co.** (Bronze), 524 S Racine av, Chicago, Ill.
*See adv index at end of book*
**Newman Mfg. Co.** (Guard Rails), 717 Sycamore, Cincinnati, O., & 68 W Washington, Chicago, Ill.
*See adv index at end of book*
**Peters Jas. & Son** (Wrought Iron), 1934 N Front, Phila., Pa.
**Reading Hardware Co., Reading, Pa.**

RAILS (DOOR)—continued

Richards-Wilcox Mfg. Co., Aurora, Ill.
Rome Brass & Copper Co. (Brass), Rome, N. Y.
**STANLEY WORKS (Wrought Steel), New** Britain, Conn.
*See adv index at end of book*
Stowell Co., The (Steel), South Milwaukee, Wis.
Waterbury Brass Goods Corp'n, Waterbury, Conn.

## 12122—Rails (Girder & High Tee)

**See also Rail Mills, Iron & Steel**

Cleveland Frog & Crossing Co., 6917 Bessemer rd, Cleveland, O.
Lorain Steel Co., Johnstown, Pa.

## 12123— Rails (Guard)

American Frog & Switch Co., Hamilton, O.
*See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*
Cincinnati Frog & Switch Co., Cincinnati, Ohio *See adv index at end of book*

Established 1906
**THE CINCINNATI FROG & SWITCH CO.**
Cincinnati, Ohio

Cleveland Railway Supply Co., Cleveland, O.
Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
Cleveland Railway Supply Co., Swetland bldg, Cleveland, O.
Columbus Bross Co., 538 Dublin av, Columbus, O. ***See adv index at end of book***
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., & 68 W Washington, Chicago, Ill. ***See adv index at end of book***
Pa. Construction Co., Marietta, O.
Steelite Co., 1902 W 77th, Cleveland, O.
Wharton Wm. Jr., & Co., Inc. (Standard & "Tisco" Manganese Steel), Easton, Pa.

## 12124-5—Rails (Hand & Foot)

American Bridge Co., 30 Church, New York
Bigelow Cheney Wire Works, Springfield, Mass.
Braun J. G., 609 S Paulina, Chicago, Ill.
**DAHLSTROM METALLIC DOOR CO.** (Bridge Hand Rails), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Detroit Shipbuilding Co. (Brass Dept.), ft. Orleans Detroit, Mich.
Imperial Brass Mfg. Co. (Automobile Foot & Robe Rails), 524 S Racine av, Chicago, Ill. *See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., & 68 W Washington, Chicago, Ill. *See adv index at end of book*
Plocher Andrew Sons Co. (Brass), Dayton, O.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Seattle Frog & Switch Co, Smith bldg, Seattle, Wash.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Stolz Jos & Son, Inc. (Hand), 841 E 136th, New York
Western Brass Mfg. Works (Brass & Bronze), Marshall blvd & W 21st, Chicago, Ill.

## Rails (Light)

**See Rail Mills, Iron & Steel; also Rails, Steel**

## 12126—Rails (Manganese Steel)

Wharton Wm. Jr., & Co., Inc. (Cast "Tisco"), Easton, Pa.

## 12126a—Rails (New & Relaying)

Alloy Steel Products Corp., 19 W 44th, New York *See adv index at end of book*

**FISHEL & MARKS CO.**, ft of Krakow av, Cleveland, O.
*See adv index at end of book*
Green L. A., First Nat'l Bank bldg, Pittsburgh, Pa.
Hyman-Michaels Co., Peoples Gas bldg, Chicago, Ill. *See adv index at end of book*

**Hyman-Michaels Company**
*Main Office*
**Peoples Gas Building**
**CHICAGO**
*We Buy and Sell*
***New and Relaying Rails***
***Iron and Steel Scrap***
*Branches*
**1324 Woolworth Bldg.** New York City
**2115 Railway Exchange Bldg.** St. Louis, Mo.
**1312 First Nat'l Bk. Bldg.** Pittsburgh, Pa.

Iron Trade Products Co. (New), Farmers Bank bldg, Pittsburgh, Pa.
**RICHARDSON & CO.**, 2101 Oliver, Pittsburgh, Pa.
Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.
Track Specialties Co., 29 B'way, New York
Wilkoff Co., Youngstown, O.
Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 12126b— Rails (Relaying)

See also Railroad Equipments, Second Hand

**FISHEL & MARKS CO.**, ft of Krakow av, Cleveland, O.
*See adv index at end of book*
Wilkoff Co., Youngstown, O.
Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.
*See adv index at end of book*

**NEW RAILS RELAY**
**All weights and sections. Large stocks insure quick shipments. Get our latest Bulletin. Bargains in Railway and Industrial Equipment.**
**ZELNICKER IN ST. LOUIS**

## 12127—Rails (Sliding Door)

Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Myers F. E. & Bro. (Myers), 90 Fourth. Ashland, O. *See adv index at end of book*
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.

## 12128— Rails (Steel)

For Mills that Manufacture Steel Rails, see Rail Mills, Iron & Steel
**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York
*See adv index at end of book*
American Steel Co. (8 to 45 lbs.), Park bldg, Pittsburgh, Pa.
Blancke A. C. Co., 116 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Dunning Car Supply Co., United bldg, Indianapolis, Ind.
**EASTON CAR & CONSTRUCTION CO.**, 198 Fulton, New York
*See adv index at end of book*
Froment & Co., 150 Bank, New York
**FULLER STEEL & IRON CO.**, Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
Helsby & Corbet (Dlrs.), Smith bldg, Seattle, Wash.
Hunt C. W. Co. (Industrial), West New Brighton, N. Y.
*See adv index at end of book*
Levis Henry & Co., Commercial Trust bldg, Phila., Pa.
*See adv index at end of book*

**New & Relaying Rails**
**Railway Equipment**
**HENRY LEVIS & CO.**
**303 Commercial Trust Bldg., Philadelphia**
**Yard—Chester, Pa.**

National Sales & Trading Co. (All Sizes), Cleveland, O.
Railway & Mine Supply Co., McCormick bldg, Chicago, Ill.
Soule Edw. L. Co. (Iron & Steel Products of all kinds), Rialto bldg, San Francisco, Cal. *See adv index at end of book*
Youngstown Steel Car Co., Niles, O.

## Rails (Steel Renewed)

See Rail Mills Iron & Steel, with the Word Renewed following their Names

## Rails (Tram)

**See Rail Mills, Iron & Steel**

## 12129—Railway Supplies (Electric)

**See also Trolley Line Materials; also Electrical Supplies**

Advance Mfg. & Tool Co., 1244 St. Clair av, Cleveland, O.
Anderson Albert & J. M. Mfg. Co., 289 A, Boston, Mass.
Barbour Stockwell Co., Cambridge, Mass.
Bissell F. Co., Toledo, O.
Boston Armature Wks., N Washington, Boston, Mass.
Brown Harold P. ("Edison-Brown" Plastic Rail Bond), 120 Liberty, New York
Burnet Co., 69 South, New York
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Columbus Mill & Mine Supply Co., 75 N. Front, Columbus, O.
Commercial Electrical Supply Co., B'way & Spruce, St. Louis, Mo.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Dallett & Co. (Cars, Motors & Equipments), Harrison bldg, Phila., Pa.
Dayton Mfg. Co., Dayton, O.
Eccles & Smith Co., 71 1st, San Francisco, Cal.
Electric Railway & Mfrs. Supply Co., 36 2nd, San Francisco, Cal.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Electrical Material Co., 618 W Jackson blvd, Chicago, Ill.
Fitts F. E. Mfg. & Supply Co., 88 Purchase, Boston, Mass.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.
Harvey Co., 113 South, Baltimore, Md.
Johns-Manville Co., H. W., Madison av & 41st, New York
Miller Trolley Shoe Co. (Trolley Shoe), West Newton, Mass.
Moss & Satterlee, Kansas City, Mo.
Nagel W. G. Electric Co., Toledo, O.
**NUTTALL R. D. CO.** (Trolley Bases, Harps, Wheels, Gears, Pinions, etc), McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*
**OHIO BRASS CO.**, Mansfield, O.
*See adv index at end of book*
Post Glover Electric Co., 308 W 4th, Cincinnati, O.
Q. & C. Co., 90 West, New York.

Railway Power & Equipment Co., 233 B'way, New York
Ridlon Frank Co. (Of Every Description), 251 A, Boston, Mass.
Roberts H. C. Electric Supply Co., 11th & Race, Phila., Pa.
Semple W. & A. C., 309 W Main, Louisville, Ky.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sherburne & Co., 53 Oliver, Boston, Mass.
Somers Fitler & Todd Co., 325 Water, Pittsburgh, Pa.
Star Brass Works (Trolley Wheels), Kalamazoo, Mich.
Stuart-Howland Co., 234 Congress, Boston, Mass.
Tractions Materials Co. (Cars), Trucks, Motors, Gears, Axles, Springs, Wheels, etc), 501 5th av, New York
Union Electric Co., 31 Terminal-Way, Pittsburgh, Pa.
Watson John B. Co., Witherspoon bldg, Philadelphia, Pa.
Wesco Supply Co., 7th & Clark, St. Louis, Mo.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*

## 12130— Railways (Gravity)

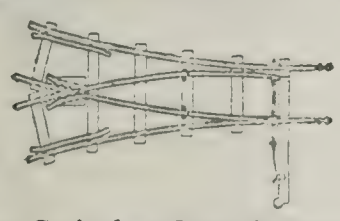
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*

## Railways (Incline)

See Stairways, Moving

## 12131—Railways (Industrial & Portable)

AMERICAN FROG & SWITCH CO., Hamilton, O. *See adv index at end of book*
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O. *See adv index at end of book*

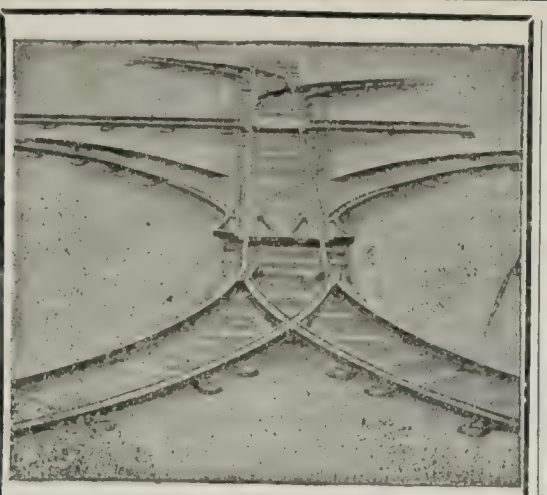


Frogs Switches Switch Stands
Industrial Track Etc.
**The Central Frog & Switch Co.**
CINCINNATI, OHIO

Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, O.
*See adv index at end of book*
Cincinnati Frog & Switch Co., Cincinnati, Ohio *See adv index at end of book*

Established 1906
**THE CINCINNATI FROG & SWITCH CO.**
Cincinnati, Ohio

EASTON CAR & CONSTRUCTION CO., 198 Fulton, New York
*See adv index at end of book*
Exeter Machine Works, Pittston, Pa.
Fox Bros. & Co., 126 Lafayette, New York
GENERAL ELECTRIC CO. (Equipment), Schenectady, N. Y.
*See adv index at end of book*
Howe Scale Co., of Illinois, 1315 S Wabash av, Chicago, Ill.
HUNT C. W. CO. (Industrial), West New Brighton, N. Y.
*See adv index at end of book*
Indianapolis Switch & Frog Co., Springfeld, O.
Insley Mfg. Co., 3500 E St. Clair, Indianapolis, Ind.
Light Railway Equipment Co., 526 Commercial Trust bldg, Phila., Pa.
LINK-BELT CO (Industrial), 329 W 39th, Chicago, Ill., & Hunting Park av & P & R. Ry, Phila., Pa.
*See adv index at end of book*



# INDUSTRIAL RAILWAYS

are used in the largest manufacturing plants for handling castings, coal, ashes, sand, etc.

Fully described, together with Hunt Cars, Switches, Turntables, etc., in Catalog Z 18-9.

## C. W. HUNT CO.

West New Brighton, N. Y.

*Manufacturers and designers of apparatus for handling bulk material.*

*See adv. index and branch offices end of book.*

Mead-Morrison Mfg. Co., Cor. Prescott & Orleans, East Boston, Mass.
Ramapo Iron Works (Portable Track Switches, etc), Hilburn, N. Y.
Russell Wheel Co. Chene Bl R. R., Detroit, Mich.
Signal Accessories Corp., Utica, N. Y.
Treadwell M. H. Co., 140 Cedar, New York
Treadwell M. H. Co. of Ill. ("Tread-Kill"), 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
Wharton Wm. Jr. & Co. (Inc), (Industrial Only), Easton, Pa
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Youngstown Steel Car Co. Niles, O.

## Railways (Logging)

See Railways, Industrial & Portable

## Railways (Marine)

See Dry Docks & Marine Railways

## Railways (Miniature)

See Locomotive & Railways, Miniature

## 12131a—*Railways (Portable)

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*

## Railways (Scenic)

See Locomotives & Railways, Miniature

## Raincoats (Rubber)

See Mackintoshes

## 12132—Raisers (Carriage Top)

Murray P. A. & Co. ("Murray"), Newton, Mass.

## 12133—Rakes (Asphalt or Tar)

American Fork & Hoe Co. ("True Temper" Steel); Swetland bldg., Cleveland, O.
Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.
Union Fork & Hoe Co., Columbus, O.

## 12134— Rakes (Bean)

Emerson-Brantingham Co., ("E. B." also Peas & Peanuts) Rockford, Ill.

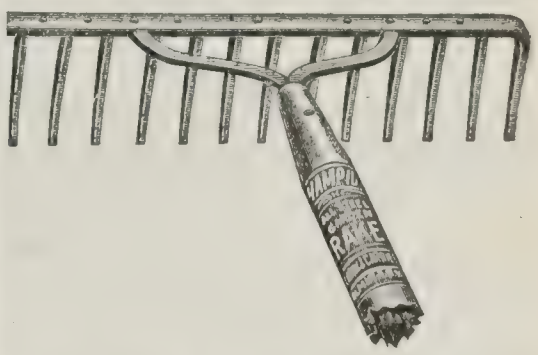
## 12135— Rakes (Drag)

Foster & Williams Mfg. Co., Racine, Wis.

## 12136—Rakes (Garden or Lawn, Etc.)

Alexander G. E. & Son, Sunapee, N. H.
American Fork & Hoe Co., ("True Temper") Swetland bldg., Cleveland, O.
Bartlett L. D. & Son, South Tamworth, N. H.
Boss Charles H., Liberty, R. I.
Brinser E. C. Sons (White Ash & Hickory) Richmond, Va.
Cheesebrough Thos. E. (Wood), Freeport, Mich.
Cronk & Carrier Mfg. Co. ("Queen City," "Jumbo," "Cronk's," "Elmira Steel Bow" "Champion," "Ideal," "Bow Ideal," "Victor" Brace Wrought Steel & Malleable Iron), 150 Lake, Elmira, N. Y. *See adv index at end of book*

**Champion Garden Rake**



**The Cronk & Carrier Mfg. Co.**
**150 Lake St., Elmira, N. Y.**

Derby & Ball, Bellows Falls, Vt
Kohler F. E. Co. (Steel Garden Only), Canton, O.
Ney Mfg. Co. (Automatic Self-Cleaning Lawn), Canton, O.
Piqua Handle & Mfg. Co. (Malleable Iron, Garden & "Ole Olsen" Wood Lawn), P O Box 307, Piqua, O.
Rogers Rake Co., New Hartford, Conn.
Specialty Device Co. ("Standard"), 106 W 3d, Cincinnati, O.
Standard Auger Co. ("Standard" & "Oblique Tooth"), 57 W 34th, Chicago, Ill.
Stedman M. W., Tyringham, Mass.
Swineford G. A. Co. ("Gibbs Auto Cleaner," Wire & Automatic, etc.), Canton, O.
Union Fork & Hoe Co. ("Union" Bow & Single Shank Steel, Wire Lawn, "Old Hickory" etc). Columbus, O.
Wallingford Mfg. Co., Wallingford, Vt.

## 12137— Rakes (Gas Retort)

American Fork & Hoe Co., Swetland bldg., Cleveland, O.

## 12138— Rakes (Hay Hand)

McIntyre C. F., Maine, N. Y.
Rogers Rake Co., New Hartford, Conn.
Rugg Mfg. Co. (Also Drag & Toy), Greenfield, Mass.
Stedman M. W., Tyringham, Mass.
Swineford G. A. Co., Canton, O.

## 12139—Rakes (Hay Revolving)

**Herschel R. Mfg. Co., Peoria, Ill.**
**Hughes & Smythe, Galena, O.**
Ohio Rake Co. ("Bob White," "Huber"), Dayton, O.
**Wayne Works, Richmond, Ind.**

## 12140—Rakes (Hay, Side Delivery)

**Acme Harvesting Machine Co., Peoria, Ill.**
**Dain Mfg. Co., Ottumwa, Iowa**
**Emerson-Brantingham Co., ("E. B.") Rockford, Ill.**
**Hocking Valley Mfg. Co. ("Lancaster"), Lancaster, O.**
International Harvester Company of America (Inc.), (Keystone International), Harvester bldg, Chicago, Ill.
**Massey-Harris Harvester Co., Batavia, N. Y.**
**Moline Plow Co. ("Flying Dutchman," "Moline" Cylinder), Moline, Ill.**
Ohio Rake Co. ("Hays-Dayton" Steel Frame), Dayton, O.
Rock Island Plow Co. ("C. B. & Q." Tedder & Cylinder), Rock Island, Ill.
Sandwich Mfg. Co., Sandwich, Ill.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co. ("Thomas" Cylinder Side Delivery Rake & Tedder), Springfield, Ohio
Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

## 12141— Rakes (Hay, Sulky)

Acme Harvester Machine Co. ("Lark"), **Peoria, Ill.**
Albright Jas. H. & Sons, Mifflinburg, Pa.
**Allen Chas. G. Co., Barre, Mass.**
**Bateman Mfg. Co. ("New York Champion," "Iron Age"), Grenloch, N. J.**
**Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.**
**Deere John Harvester Works, East Moline, Ill.**
Emerson-Brantingham Co. ("E. B." B. Osborne" Rockford, Ill.
**Fleming & Sons' Mfg. Co., Huntsville, Mo.**
Gale Mfg. Co., Albion, Mich.
**Hocking Valley Mfg. Co., Lancaster, O.**
International Harvester Company of America (Inc.), Deering-McCormick-Milwaukee, Harvester bldg, Chicago, Ill.
**Messinger Mfg. Co. ("Steel King" Self-Dumping), Tatamy, Pa.**
**Moline Plow Co. ("Adriance"), Moline, Ill.**
**Richardson Mfg. Co., Worcester, Mass.**
Shaw H. C. Co., Stockton, Cal.
Smith & Sons Mfg. Co. (2 & 3-Wheel Sweep), Kansas City, Mo.
Sterling Mfg. Co., Sterling, Ill.
Thomas Mfg. Co. "Reliable," "Orchard," "Thomas Alfalfa," Springfield, O.
**Van Brunt Mfg. Co., Horicon, Wis.**
Wiard Plow Co., Batavia, N. Y.
**Wood W. A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.**

## 12142— Rakes (Stacker, for Threshers)

**Frick Co., Waynesboro, Pa.**
**Port Huron Engine & Thresher Co., Port Huron, Mich.**

## 12143— Rakes (Stalk)

**Acme Harvesting Machine Co., Peoria, Ill.**
**Peoria Drill & Seeder Co. ("Glendale"), Peoria, Ill.**
**Sheer E., Lincoln, Ill.**

## 12144— Rakes (Sweep)

**Acme Harvesting Machine Co. (Hay), Peoria, Ill.**
**Anderson Co., 2324 University av, St. Paul, Minn.**
Barley Thos. K., Sedalia, Mo.
**Clippinger A. B. & Son Mfg. Co., Kansas City, Kan.**
**Dain Mfg. Co. (Automatic Stackers, also Side Rakes), Ottumwa, Ia.**
**Emerson-Brantingham Co., ("E. B.") Two, Three & Four Wheeled & Power Lift), Rockford, Ill.**
Famous Mfg. Co. (Peerless Sweep Champion Buck), **East Chicago, Ind.**
**Fleming & Sons Mfg. Co., Huntsville, Mo.**
**Grand Detour Plow Co., Dixon, Ill.**
International Harvester Company of America (Inc.) (Deering-McCormick-International), Harvester bldg, Chicago, Ill.
Jackson Byron Iron Works (Sweep), Berkeley, Cal.
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
**Kansas City Hay Press Co. (Stacker & Rake), Kansas City, Mo.**
**Louden Machinery Co. (Rickers), Fairfield, Ia.**
Plattner-Yale Mfg. Co., Lincoln, Neb.
**Superior Hay Stacker Mfg. Co., Linneus, Mo.**
Wyatt F. Mfg. Co. ("Jayhawk"), Salina, **Kan.**

## 12145—Rammers (Cement or Dirt)

Ransome Concrete Machinery Co., Dunellen, N. J.

## 12146— Rammers (Foundry)

**See also Pneumatic Sand Rammers**

Barnett Oscar Fdry. Co. (Bench & Floor), **Irvington, N. J.**
**Brown & Sharpe Mfg. Co. (Rubber Tipped), Providence, R. I.**
**CHICAGO PNEUMATIC TOOL CO. (Air),** 6 E 44th, New York, N. Y.
*See adv index at end of book*
Hellenberg J. B. Co. (Moulders' Bench), **Coldwater, Mich.**
**INGERSOLL-RAND CO. ("Crown" Air), 11 B'way, New York**
**Mumford E. H. Co., Elizabeth, N. J.**
Osborne Mfg. Co., 5401 E Hamilton, ton, Cleveland, O.
*See adv index at end of book*
**Pollard Jos. G. (Cast Iron Ash Handle), 141 Raymond, Brooklyn, N. Y.**
**Prouty C. & Co., Eldred, Pa.**
Stossel Carl Sons & Co., Front Royal, Va.

## 12147— Ramers (Pavers')

**LAPIERRE H. M. CO.,** 1341 W 21st, Chicago, Ill.
**Stortz John & Son (Stone Paving, etc), 210 Vine, Phila., Pa.**

## Rammers (Sand)

**See Rammers, Foundry**

## 12148— Rams (Hydraulic)

**See also Hydraulic Rams**

**RIFE ENGINE CO.,** 90 West, New York

## 12149— Range Finders

**Bausch & Lomb Optical Co. (For Battle Ships, Coast Defense, etc), Rochester, N. Y.**

## Ranges (Acetylene)

**See Stoves, Acetylene**

## 12150— Ranges (Electric)

**See Also Stoves, Electric**

Allmur Mfg. Co., Marion, Ind.
Buzzini Walter J., 505 W 21st, New York
Cadillac Mfg. Co., Cadillac, Mich.
Despatch Mfg. Co., 120 1st av, Minneapolis, Minn.
Edison Elec. Appliance Co., 5666 Taylor, Chicago, Ill.
Electric Heat Storage Co., 9 Church, New York
Estate Stove Co., Hamilton, O.
Fox Electrical Corpn., 119 W 42nd, New York
Globe Stove & Range Co., Kokomo, Ind.
Good Housekeeping Cooker Co, Berkeley, Cal.
Hughes Electric Heating Co. ("Hughes"), 5660 W Taylor, Chicago, Ill.
Landers, Frary & Clark, New Britain, Conn.
Michigan Stove Co., Adair & Jefferson, Detroit, Mich.
Rathbone, Sard & Co. ("Acorn"), Albany, N. Y.
Ringen Stove Co., 827 Choutcan av, St Louis, Mo.
Rutenber Electric Co. ("Rutenber") Marion, Ind.
Simplex Electric Htg. Co., Cambridge, Mass.
S. P. Stove Co., Wilmette, Ill.
Standard Electric Stove Co., 1720 N 12th, Toledo, O.
Standard Stamping Co., Huntington, W. Va.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Westinghouse Elec. & Mfg. Co., East Pittsburgh Pa. *See adv index at end of book*

## Ranges (French Cooking)

**See Cooking Apparatus**

## Ranges (Galley)

**See Stoves, Galley**

## Ranges (Gas)

**See Stoves, Heaters & Ranges, Gas**

## 12151— Ranges (Kettle)

**Weaver & Co. ("Perfection"), New Oxford, Pa.**

## Ranges (Portable & Stationary)

**See Stove Manufacturers; also Ranges, Steel; also Cooking Apparatus**

## 12152— Ranges (Steel)

**See also Stoves; also Cooking Apparatus**

Allen Mfg. Co. ("Princess"), Nashville, Tenn.
American Stove Co. ("Quick Meal" Coal & Wood, "Quick Comfort" & "National"), 927 Chouteau av St. Louis, Mo.
Anchor Stove & Range Co., New Albany, Ind.
Art Stove Co., Russell & Milwaukee, Detroit, Mich.
A. & J. Mfg. Co., Gadsden, Ala.
Bardes E. H. Range & Foundry Co., Cincinnati, O.
Bartlett Hayward Co. ("New Windsor," "Edgewood," "Standard," "Regal," "Improved Kitchen" Cast Iron), Scottland, O.
& McHenry, Baltimore, Md.
Belleville Stove & Range Co., Belleville, Ill.
Berghofer Mitchell Co., Quincy, Ill.
Born Steel Range Co., 3945 W 25th, Cleve-
Bramhall Deane Co., 261 W 36th, New York
Bridgeford Co. (Wrought Steel), Louisville, Ky.
Burton Range Co., 7th & Sycamore, Cincinnati, O.
Buzzini Walter J., 505 W 21st, New York
Chicago Stove & Range Co., 2500 Cottage Grove, Chicago, Ill.
Comstock-Castle Stove Co., Quincy, Ill.
Co-Operative Foundry Co. ("Red Cross"), Rochester, O. Y.
Copper Clad Malleable Range Co., 2nd and Franklin, St. Louis, Mo.
Crane Wm. M. Co. ("Vulcan"), 16 W 32d, New York
Cribben & Sexton Co., 680 N Sacramento blvd, Chicago, Ill.
Culter & Proctor Stove Co., Peoria, Ill.
Decker Adam Hardware Co., 347 Jackson, St. Paul, Minn.
Detroit Stove Works, 1320 Jefferson av, Detroit, Mich.
Duparquet, Huot & Moneuse Co., 110 W 22d, New York
Eclipse Stove Co. ("Eclipse"), Mansfield, Ohio
Engman-Matthews Range Co., South Bend, Ind.
Ettinger J. M. ("Lily"), 70 W Lake, Chicago, Ill.
Excelsior Stove & Mfg. Co. (Wrought Steel), Quincy, Ill.
Faultless Iron Works ("Faultless," "Fearless" Malleable Iron), St. Charles, Ill.
Fischer Wm. G. Stove & Range Co., 326 McFarland, Cincinnati, O.
Folsom C. G. Mfg. Co. ("Folsom"), South Bend, Ind.
Franke H. Steel Range Co., Harvard & E 103rd, Cleveland, O.
Fuller & Warren Co. (Hotel), Troy, N. Y.
Galusha Stove Co. ("Norman"), Rochester, N. Y.
Germer Stove Co., Erie, Pa.
Glascock Stove & Mfg. Co. ("Carolina"), Greensboro, N. C.
Globe Stove & Range Co., Kokomo, Ind.
Gohman Bros. & Kahler Co., New Albany, Ind.
Graham Jas. Mfg. Co. ("Wedgewood" for Gas, Coal & Wood), 531 Mission, San Francisco, Cal.

Gray & Dudley Hardware Co., (Washington" "Black Imp" "Our Clipper" "Hermitage" Steel and Gray Iron Stoves and Ranges), Nashville, Tenn.
Hale & Kilburn Co. ("Cookeasy") 18th & Lehigh av, Phila., Pa.
Hardwick Stove Co. ("Sunny South"), Cleveland, Tenn.
Haswell Steel Range & Furnace Co., Circleville, O.
Hess, Snyder Co. ("Boomer"), Massillon, O.
Home Stove Co., Indianapolis, Ind.
Hutchinson Bros., 5 S Howard, Baltimore, Md.
Ils John G. & Co., 839 Mission, San Francisco, Cal.
Imperial Steel Range Co., 2900 Detroit av, Cleveland, O.
Independent Stove Co. (Steel & Cast Iron), Owosso, Mich.
Joesting & Schilling Co., 379 Sibley, St. Paul, Minn.
Johnston-Slocum Co. ("Perfection" Fireless), Caro, Mich.
Landy Stove & Range Co., 1402 N 16th, St. Louis, Mo.
Lehigh Stove & Mfg. Co. ("Lehigh Cabinet"), Lehighton, Pa.
Lewisburg Foundry Co., Lewisburg, Tenn.
Mahoney Daniel & Sons ("McBean"), 17 Main, Buffalo, N. Y.
Majestic Mfg. Co., 2014 Morgan, St. Louis, Mo.
Malleable Steel Range Mfg. Co., (For Family, Hotel & Marine Use), South Bend, Ind.
Michigan Stove Co. ("Garland") Adair & Jefferson, Detroit, Mich.
Miller Wm. Range & Furnace Co. (Portable) 125 E 5th, Cincinnati, O.
Mississippi Valley Stove Works, Fulton, Ill.
Monitor Stove Co., C. H. & D. Ry, av, nr Gest, Cincinnati, O.
Morandi-Proctor Co., 86 Washington, Boston, Mass.
Mountain City Stove & Mfg. Co. ("Southern Queen"), Chattanooga, Tenn.
National Stove Co. (Am. Stove Co.) (Gas for Fuel), Lorain, O.
Orbon Stove & Range Co., Belleville, Ill.
Peninsular Stove Co., Detroit, Mich.
Perfect Stove & Mfg. Co., Belleville, Ill.
Phillips & Buttorff Mfg. Co. (Also Cast), Nashville, Tenn.
Portsmouth Stove & Range Co., Portsmouth, O.
Pueblo Brass & Iron Foundry ("Regent"), Pueblo, Colo.
Richmond Stove Co., 2506 E. Main, Richmond, Va.
Ricketts & Bartlett Range Co., 319 W Randolph, Chicago, Ill.
Roberts & Mander Stove Co. ("Quality" Combination Gas & Coal), 11th & Washington), Phila., Pa.
Rock Island Stove Co. ("Riverside"), Rock Island, Ill.
Schill Bros. Co., Crestline, O.
SEXTON S. B. STOVE & MFG. CO., (Also Cast Iron), 500 Block W Conway, Baltimore, Md.
Smith & Anthony Co. ("Hub"), 52 Union, Boston, Mass.
Standard Foundry & Mfg. Co., 2717 E. 75th, Cleveland, O.
Summit Foundry Co., Geneva, N. Y.
Taplin-Rice-Clerkin Co. ("Climax"), Akron, O.
Tenn. Stove Works ("Volunteer"), Chattanooga, Tenn.
Tinnerman Stove & Range Co. ("Ohio" Wrought Steel), 2038 Fulton rd, Cleveland, O.
Toledo Stove & Range Co. ("Gem"), Toledo, O.
Traub W. F., Range Co., 231 W Superior, Chicago, Ill.
Treaty Co., ("Royal") Greenville, O.
Van John Range Co. (For Families, Hotels & Institutions), 5th & B'way, Cincinnati, O.
Vesta Gas Range & Mfg. Co. ("Vesta"), Chattanooga, Tenn.
Wehrle Co., Newark, O.
Wetter H. Mfg. Co., Memphis, Tenn. Works: Memphis, Tenn.
Willard W. G., 316 Chestnut, St. Louis, Mo.
Wisconsin Fdry. & Steel Works ("Truestyle," "Queen's Best," "Queen Bird"), Cedar Grove, Wis.
Wolterstorff Range Co. (Wrought Steel), 66 E 3rd, St. Paul, Minn.
Wrought Iron Range Co., 5661 Natural Bridge av, St. Louis, Mo.

## 12153—Rapping Plates & Lifting Screws

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
Timmis & Clissold, Bound Brook, N. J.

## 12154-5-6-7-8—Rasps (Horse)

See also File & Rasp Manufacturers

Disston Henry & Sons, Tacony, Phila., Pa.
Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.
NICHOLSON FILE CO. ("Nicholson," "Superior"), Providence, R. I.
*See adv index at end of book*
Stokes Bros. Mfg. Co. ("St. Crispen"), Freehold, N. J.
Westfahl File Co. ("Westfahl"), 467 31st, Fence), 621 E Pearl, Cincinnati, O.

## Ratchets

See Drills, Ratchet

## 12159—Ratchets (Deck Sash)

Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Dayton Mfg. Co., Dayton, O.
Patterson W. W. Co., 54 Water, Pittsburgh, Pa.

## 12160-1— Ratchets (Fence)

Gem Wire Fence Co. (Malleable Iron), Pontiac, Mich.
Kokomo Fence Machine Co., Kokomo, Ind.
New England Anchor Fence Co., Worcester, Mass.
Novelty Mfg. Co., Jackson, Mich.
Schriver O. P. & Co. ("I. X. L." Wire Fence), 621 E Pearl, Cincinnati, O.
Sterling Foundry Co. ("Best"), Sterling, Ill.
Wickwire Spencer Steel Corp. ("Excelsior"), Worcester, Mass.
*See adv index at end of book*
Wrightsville Hardware Co. ("Brighton"), Wrightsville, Pa.

## Ratchets (Packer)

See Drills, Ratchet

## 12162— Ratchets (Pulling)

Channon Jas. H. Mfg. Co. (Steamboat), 227 W Erie, Chicago, Ill.

## 12163— Ratline (Tarred)

Columbian Rope Co., Auburn, N. Y.

## 12164—Rattan Seat Covering (Canvas Lined)

Hale & Kilburn Co., 18th & Lehigh, Phila., Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## 12165—Rattan & Reed Works

American Rattan & Reed Mfg. Co. (Car Seating, Webbing, etc), 268 Norman av, Brooklyn, N. Y.
Hartshorn C. H., Gardner, Mass.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Jenkins-Phipps Co., Wakefield, Mass.
Rattan & Cane Co., 66 W B'way, New York
Specialty Reed Works, Spartanburg, S. C.
United States Rattan Co., Hoboken, N. J.

## 12166—Rattans, Reed & Chair Cane

American Rattan & Reed Mfg. Co. (Also Rattan Webbing, etc), 268 Norman av, Brooklyn, N. Y.
Beigel Henry (Imp.), 154 Nassau, New York
Fearon Brown Co. (Imp.), 96 Wall, New York
Gerdau Otto Co., 83 Murray, New York
Hartmann Pacific Co., Inc. (Rattan Imp.), 80 Wall, New York
Husselrath Importing Co. (Imp.), 37 Liberty, New York
Jacob Chas. W. & Allison (Imp.), 18 Cedar, New York
Norden A. & Co. (Imp), 60 Beaver, New York
Simmons Thos. W. & Co. (Imp)., 200 California, San Francisco, Cal.

## 12167— Rattlers (Brick)

United Iron Works, Inc., Kansas City, Mo.

## 12168— Rattlers (Flue)

Mann-McCann Co. ("Westmark"), 305 S La Salle, Chicago, Ill.

## 12169— Rattlers (Foundry)

Dayton-Dowd Co. ("Dayton-Dowd") Quincy, Ill.
United Iron Works, Inc., Kansas City, Mo.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 12170— Rattlers (Nail)

Miller's H. J. Sons, Bridgewater, Mass.
Perkins Henry Co., Bridgewater, Mass.
Vaughn Machinery Co., Cuyahoga Falls, O.
*See adv index at end of book*

## 12171— Rattlers (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Kirby Mfg. Co., Middletown, Conn.

## 12172— Rawbone (Boiled)

Cooper's Peter Glue Factory, 11th av & 28th, New York

## 12173—Rawbone (Granulated)

See also Bone Black

Armour Fertilizer Works, Union Stock Yards, Chicago, Ill.
Consolidated Rendering Co., 40 N Market, Boston, Mass.
Hollingshurst & Co. ((Imp.), 66 Beaver, New York
Listers Agricultural Chemical Works, 2 Rector, New York
Pittsburgh Provision & Packing Co. (Case Hardening Bone), Herrs Isl., Pittsburgh, Pa.
Rogers & Hubbard Co., Middletown, Conn.
White Thos. H. & Co. (Ground, Brokers), 11 S Gay, Baltimore, Md.

## 12174— Razor-Guard

Weiss L. T. ("Shavezy"), 286 Taaffe pl, Brooklyn, N. Y.

## 12175— Razor Mfrs.

Andresen Hardware Co., 724 S 6th, Minneapolis, Minn.
Boker Cutlery & Hardware Co., Inc. ("Tree Brand," Imported), 101 Duane, New York
Buck Bros., Milbury, Mass.
Canton Cutlery Co., Canton, O.
Case W. R. & Son's Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Challenge Cutlery Corp'n, Bridgeport, Conn.
Christy Co., Fremont, O.
Clark Bros. Cutlery Co., 926 B'way, Kansas City, Mo.
Clauberg F. A. & Co. ("Tonsorial Gem," "Mikado"), 27 Park pl, New York
Clauss Shear Co., Fremont, O.
Compton W. H. Shear Co., 314 Camden, Newark, N. J.
Droescher S. R. ("Comfort" Imp.), 79 Warren, New York
Empire Knife Co., Winsted, Conn.
Geneva Cutlery Corp, Geneva, N. Y.
Globe Razor Co., Fremont, O.
Graef & Schmidt ("Twin Brand," Imported), 107 Chambers, New York
Hessenbruch H. Co., 8 N 5th, Phila., Pa.
Hollinger Cutlery Co., Fremont, O.
Kastor Adolph & Bros. ("Wade & Butchers," Imported), 109 Duane, New York
Klaas Max ("Crane Brand" Imported), 108 Fulton, New York
Klauberg C. & Bros. (Imp. "Masterpiece," "Damascene"), Woolworth bldg, New York
Koch F. A. & Co., 524 B'way, New York
Korn Geo. W. Razor Mfg. Co., Little Valley, N. Y.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
National Cutlery Co., Westmoreland & Boudinot, Phila., Pa.

RAZOR MFRS.—continued

Novelty Cutlery Co., Canton, O.
Poughkeepsie Cutlery Wks, Inc., (Open Blades) Poughkeepsie, N. Y.
Robeson Cutlery Co., Rochester, N. Y.
Schrade Cutlery Co., Walden, N. Y.
Shumate Razor Co. ("Shumate"), 706 Chestnut, St. Louis, Mo.
Silberstein A. L. ("Carbo-Magnetic"), 600 W 157th, New York
Sperry & Alexander Co. ("Centaur," Imported), 79 Chambers, New York
Torrey J. R. Razor Co., Worcester, Mass.
Union Cutlery Co., Olean, N. Y.
Unsinger Razor Blade Co., Fremont, O.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wiss J. & Sons Co., 31 Littleton av, Newark, N. J.
Witte, Alexis Cutlery Co., 36 Erasmus, Bklyn, N. Y.
Wostenholm Geo. & Son ("I. X. L." Imp.), 105 Chambers, New York

## 12176-7—Razor Mfrs. (Safety)

American Safety Razor Co. ("Ever Ready"), 303 Jay, Brooklyn, N. Y.
Auto Strop Safety Razor Co., 345 5th av, New York
Bedford Safety Razor Co., Bedford, Mass.
Burham Safety Razor Co. ("Burham"), 388 Hudson, New York
Christy Co., Fremont, O.
Clark Blade & Razor Co. ("King," "Clark"), 119 Sussex av, Newark, N. J.
Clauss Shear Co. ("Clauss"), Fremont, O.
Crescent Mfg. Co., Tremont, O.
Curley J. & Bro., 87 Duane, New York.
Durham Duplex Razor Co., Jersey City, N. J.
Eagle Safety Razor Co., 66 West B'way, N. Y.
Enders Sales Co. ("Enders"), 17 Battery pl, New York
Gem Cutlery Co. ("Gem"), 11th av & 25th, New York
Geneva Cutlery Corp, Geneva, N. Y.
Gillette Safety Razor Co. ("Gillette"), 41 W First, Boston, Mass.
Hart H. C. Mfg. Co. ("Finney"), Unionville, Conn.
Herbrand Co., Fremont, Ohio
International Safety Razor Corp., Bloomfield, N. J.
Kampfe Bros. ("Star"), 3303 Atlantic av, Brooklyn, N. Y.
Kirtland Bros. & Co., 96 Chambers, N. Y.
Korn Geo. W. Razor Mfg. Co. ("Real"), Little Valley, N. Y.
Odell Mfg. Co. ("Odell"), 343 S Dearborn, Chicago, Ill.
Osbbrn J. K. Mfg. Co., Harrison, N. J.
Pall Mall Electric Co. ("Dr. Scott"), 128 W 34th, New York
Penn A. C., Inc. ("Penn"), 100 Lafayette, New York
Poughkeepsie Cutlery Wks, Inc., Poughkeepsie, N. Y.
Reichardt F. A. & Co., 83 Barclay, New York
Roberts Numbering Machine Co., 706 Jamaica av, Brooklyn, N. Y.
Roberts Safety Razor Co., 706 Jamaica av, Brooklyn, N. Y.
Safege Co. ("Safege"), Geneva, N. Y.
Silberstein A. L. ("Griffin"), 600 W 157th, New York
Simmons Hardware Co. ("Keen Kutter"), 9th & Spruce, St. Louis, Mo.
Traut & Hine Mfg. Co., New Britain, Conn.
Ulery U. J. Co. ("Clauss"), 258 Broadway, New York
Unsinger Razor Blade Co. ("Curbo"), Fremont, O.
Ward Safety Razor Co. ("Ward"), Blue Island, Ill.
Weck Edward & Son ("Sextoblade"), 148 Fulton, New York
Zinn Simon, Inc., 25th & 11th av, New York

## 12178— Razzle Dazzles

Herschell-Spillman Co., No. Tonawanda, N. Y.

## 12179—Re-Agents (Chemical)

Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
General Chemical Co., 25 Broad, New York
Heil Henry Chemical Co., St. Louis, Mo.
Holz & Co., Inc. (For Steel Analysis), 18 Madison av., New York
*See adv index at end of book*
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co. ("Merck's" Blue Label), 45 Park pl, New York

## 12180— Reamers (Adjustable)

See also Reamers, Expansion

Butterfield & Co., Derby Line, Vt.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, O.
*See adv index at end of book*
Cleveland Twist Drill Co. ("Paradox"), 1 E 49th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Gisholt Machine Co. (Solid Adjustable), Madison, Wis.
Greenfield Tap & Die Corp., Greenfield, Mass. *See adv index at end of book*
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
KELLY REAMER CO. ("Kelly" Floating & Rigid), 1553 Columbus rd, Cleveland, O.
McCrosky Reamer Co. ("McCrosky"), Meadville, Pa.
Mergenthaler Co., 118 Hollingsworth, Baltimore, Md.
Morse Twist Drill & Machine Co. ("One Lock"), New Bedford, Mass.
Ohio Reamer Co., 5333 St. Clair av, Cleveland, O.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 9th, Cleveland, O.
Rogers John M. Works, Gloucester City, N. J.
Schellenbach-Hunt Tool Co. ("Universal" Machine), Murdock bldg, Cincinnati, O.
Sheffield Machine & Tool Co., Dayton, O.
Standard Tool Co., 6700 Central av, Cleveland, O.
Taft-Pierce Mfg. Co. Woonsocket, R. I.

## 12181-2—Reamers (Adjustable Floating)

Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Kelly Reamer Co., 1553 Columbus rd, Cleveland, O.
National Tool Co., Cleveland, O.
*See adv index at end of book*

## 12183—Reamers (Bibb & Bibb Seat)

Ajax Mfg. Co., 848 Jackson, N S, Pittsburgh, Pa.
Keystone Specialty Co. (Plumbers), Scranton, Pa.
Yonts C. H. & Co. ("Universal," for Cocks, Bibbs, etc), Meadville, Pa.

## 12184—Reamers (Bit Brace)

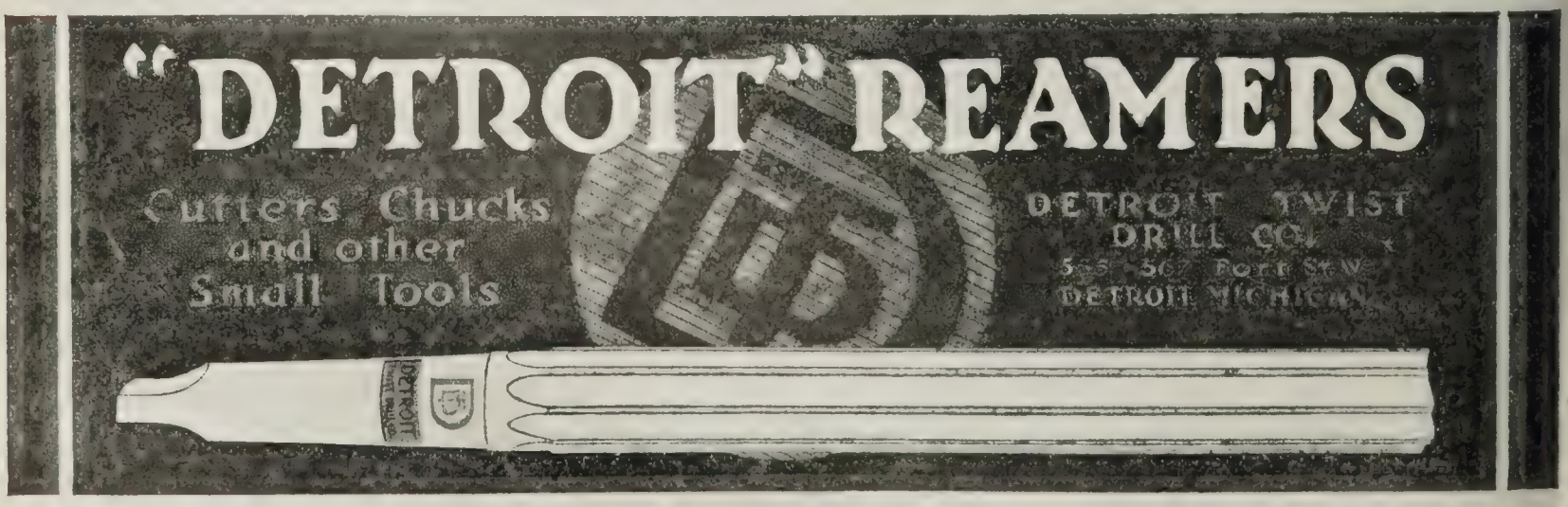
Boll Bros. Mfg. Co., Harrisburg, Pa.
Brubaker W. L. & Bros. (Taper), Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
DETROIT TWIST DRILL CO., 555 Fort, Detroit, Mich.
*See adv index at end of book*
GREENFIELD TAP & DIE CORP'N ("G. T. D." Spiral Fluted), Greenfield, Mass. *See adv index at end of book*
Kraeuter & Co., 533 18th av, Newark, N. J.
Mayhew H. H. Co., Shelburne Falls, Mass.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
National Twist Drill & Tool Co. ("National" Taper & Fluted), Detroit, Mich.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Redlich Mfg. Co., 637 to 647 W Oak, Chicago, Ill. *See adv index at end of book*
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Standard Tool Co., 6700 Central av, Cleveland, O.
Yonts C. H. & Co., Meadville, Pa.

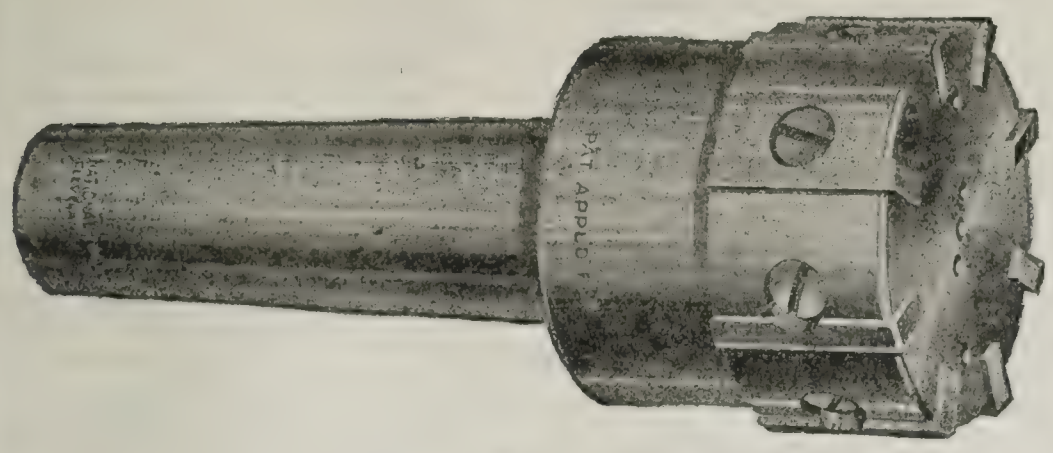
## 12185—Reamers (Bit Stock)

Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.

## 12186-7— Reamers (Bridge)

Alvord Reamer & Tool Co., Millersburg, Pa.
Boker H. & Co., Inc. (Builders), 101 Duane, New York
Brubaker W. L. & Bros., Millersburg, Pa.
Buck Bros., Millbury, Mass.
Buckeye Twist Drill Co. (Boiler), Alliance, Ohio.
Butterfield & Co., Derby Line, Vt.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, O.
*See adv index at end of book*
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.





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**Cruban Machine & Steel Corp**, 63 Duane, New York.
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
**GREENFIELD TAP & DIE CORP'N** ("G. T. D." Spiral Fluted Taper, Squared & Taper Shanks), Greenfield, Mass.
*See adv index at end of book*
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
**Lincoln Twist Drill Co., Taunton, Mass.**
**Mayhew H. H. Co., Shelburne Falls, Mass.**
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**National Twist Drill & Tool Co. ("National"), Detroit, Mich.**
**Polk A. J. & Son Co., Millersburg, Pa.**
**Pratt & Whitney Co., Hartford, Conn.**
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, O.
Standard Tool Co., 6700 Central av, Cleveland, O.
Swan Jas. Co., Seymour, Conn.
Tuck Mfg. Co., Brockton, Mass.
Watervilet Tool Co. Inc. (Carbon or High Speed), Albany N. Y.

## 12188— Reamers (Burring)

Alvord Reamer & Tool Co., Millersburg, Pa.
Buck Bros., Millbury, Mass.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Butterfield & Co., Derby Line, Vt.
GREENFIELD TAP & DIE CORP'N ("G. T. D." Spiral Fluted), Greenfield, Mass. *See adv index at end of book*
**Lord L. L. (Spiral Fluted), Meadville, Pa.**
**Mayhew H. H. Co., Shelburne Falls, Mass.**
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**Pratt & Whitney Co., Hartford, Conn.**
**Standard Tool Co., 6700 Central av, Cleveland, O.**
**Swan Jas. Co., Seymour, Conn.**
**Tuck Mfg. Co., Brockton, Mass.**

## 12188a— Reamers (Carbon)

Whitman & Barnes Mfg. Co., Akron, O.

## 12189— Reamers (Center)

**Butterfield & Co., Derby Line, Vt.**
**Card S. W. Mfg. Co., Mansfield, Mass.**
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
**DETROIT TWIST DRILL CO.**, 555 Fort, Detroit, Mich.
*See adv index at end of book*
Fastfeed Drill & Tool Corp., 21 Murray, New York
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
**GREENFIELD TAP & DIE CORP'N ("G. T. D."), Greenfield, Mass.**
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**National Twist Drill & Tool Co., Detroit, Mich.**
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co., 6700 Central av, Cleveland, O.

## 12190— Reamers (Chucking)

Alvord Reamer & Tool Co., Millersburg, Pa.
**Brubaker W. L. & Bros. (Rose Fluted), Millersburg, Pa.**
Buckeye Twist Drill Co. (Machine), Alliance, O.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin Av, Cleveland, O.
*See adv index at end of book*
**Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.**
Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.
**DETROIT TWIST DRILL CO.** (Fluted & Three Groove; also Rose Chucking), 555 Fort, Detroit, Mich.
*See adv index at end of book*
Fastfeed Drill & Tool Corp., Toledo, O., & 21 Murray, New York
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
**Gisholt Machine Co. (Solid Adjustable), Madison, Wis.**
**GREENFIELD TAP & DIE CORP'N** ("G. T. D." Spiral Fluted & Chucking Rose), Greenfield, Mass.
*See adv index at end of book*
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th New York
*See adv index at end of book*
**Lincoln Twist Drill Co., Taunton, Mass.**
**McCrosky Reamer Co., Meadville, Pa.**
Morse Twist Drill & Machine Co. ("Morse") (Fluted Rose & Three Groove), New Bedford, Mass.
**National Twist Drill & Tool Co. ("National" Rose Fluted), Detroit, Mich.**
**New Process Twist Drill Co. (Four Groove), Taunton, Mass.**
Polk A. J. & Son Co. (Fluted etc), Millersburg, Pa.

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Pratt & Whitney Co. (Solid & Shell), Hartford, Conn.
Republic Tool & Mfg., Co. 1401 W 9th, Cleveland, O.
**Rogers John M. Works, Gloucester City,** N. J.
**Standard Tool Co., 6700 Central av, Cleveland, O.**
**TOOL SALVAGE CO.** (High Speed Restored to Original Diameter), 407 Fort E, Detroit, Mich.

## 12191-2—Reamers (Conduit Pipe)

Sprague Electric Works, 527 W 34th, New York
Steel City Electric Co. ("Thompson"), 1207 Columbus av, Pittsburgh, Pa.

## 12193—Reamers (Electrical, Portable)

**American Electric Tool Co. ("Carver"), West Newton, Mass.**
**Cincinnati Electrical Tool Co., Cincinnati, Ohio**
Hisey-Wolf Machine Co., Cincinnati, O.

## 12194—Reamers (Expansion)

**Chadwick & Trefethen ("Critchley's"), Portsmouth, N. H.**
Cleveland Cutter & Reamer Co. (The), 1619 Merwin Av, Cleveland, O.
*See adv index at end of book*
**Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.**
**CUTTER WOOD SUPPLY CO.** ("Critchley Improved," "Super Six"), 77 Pearl, Boston Mass.
*See adv index at end of book*
**Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.**
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
**Gisholt Machine Co. (Solid Adjustable), Madison, Wis.**
Greenfield Tap & Die Corp. (Hand), Greenfield, Mass. *See adv index at end of book*
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
**Hjorth Lathe & Tool Co. ("B-ver"), 27 School, Boston, Mass.**
**KELLY REAMER CO., 1553 Columbus rd,** Cleveland, O.
Moback Tool & Machine Mfg. Co. ("Moback" Inserted), 330 Atlantic av, Boston, Mass.
**Morse Twist Drill & Machine Co. (Fluted**
**McCrosky Reamer Co., Meadville, Pa.**
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**New Britain Tool & Mfg. Co., New Britain, Conn.**
**Ohio Reamer Co., 5333 St. Clair av, Cleveland, O.**
**Polk A. J. & Son Co., Millersburg, Pa.**
**Pratt & Whitney Co., Hartford, Conn.**
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, O.
Schellenbach-Hunt Tool Co. ("Acme"), Murdock bldg, Cincinnati, O.
**Standard Tool Co., 6700 Central av, Cleveland, O.**
**Taft-Pierce Mfg. Co., Woonsocket, R. I.**
Wetmore Reamer Co., 210 Sycamore, Milwaukee, Wis.

## 12194a—*Reamers for Cylinders (Roughing & Finishing)

Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Kelly Reamer Co., 1553 Columbus rd, Cleveland, Ohio

## 12195-6— Reamers (Hand)

Brubaker W. L. & Bros., Millersburg, Pa.
**Buckeye Twist Drill Co., Alliance, O.**
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, O.
**Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.**
**Curban Machine & Steel Corp., 63 Duane, New York.**
**Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.**
**DETROIT TWIST DRILL CO.,** 555 Fort, Detroit, Mich.
*See adv index at end of book*
**Dyer G. H. Co. (For Ford Cars Only), Cambridge, Mass.**
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Gisholt Machine Co. (Solid Adjustable), Madison, Wis.
**GREENFIELD TAP & DIE CORP'N** ("G. T. D." Spiral Fluted), Greenfield, Mass. *See adv index at end of book*
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Krauter & Co., 582 18th av, Newark, N. J.
**Lincoln Twist Drill Co., Taunton, Mass.**
**McCrosky Reamer Co. ("McCrosky"), Meadville, Pa.**
**Mergenthaler Co., 118 Hollingsworth, Baltimore, Md.**
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Plomb Tool Mfg. Co. (Tinners), 2209 Santa Fe av, Los Angeles, Cal.
Polk A. J. & Son Co., Millersburg, Pa.
**Pratt & Whitney Co., Hartford, Conn.**
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, O.
**Ryerson Jos. T. & Son, 910 Corn Exchange** bldg, 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
**Taft-Pierce Mfg. Co., Woonsocket, R. I.**

## 12197-8—Reamers (High Speed Steel)

**BLANCKE A. C. & CO.,** 116 S. Michigan av, Chicago, Ill.
*See adv index at end of book*
Brady F. A. ("Fabrady"), 30 Church, New York
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, Ohio
*See adv index at end of book*
Cleveland Twist Drill Co. ("Reerless"), 1 E 49th, Cleveland, O.
Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.
**FASTFEED DRILL & TOOL CORP.,** Toledo, Ohio, & 21 Murray, New York
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Ketler-Elliott Co. ("Ketoco" Spiral Fluted"), 31st & California, Chicago, Ill.
**McCrosky Reamer Co., Meadville, Pa.**
**Mergenthaler Co., 118 Hollingsworth, Baltimore, Md.**
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio
Rich Tool Co., Railway Exch. bldg, Chicago, Ill.
U. S. High Speed Steel & Tool Corp. ("Challenger"), 489 5th av, New York
**WHITMAN & BARNES MFG. CO.,** Akron, O. *See adv index at end of book*

## Reamers (High Speed Steel Twisted)

**See Reamers, High Speed Steel**

## 12199— Reamers (Hub)

Defiance Machine Works, Defiance, O.

## 12199a— Reamers (Lemon & Orange)

**Mills Thomas & Brother (Electrically Driven), Cor. Thompson & Eighth, Philadelphia, Pa.**

## 12200-1—*Reamers (Locomotive)

**GREENFIELD TAP & DIE CORP'N** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Kelly Reamer Co., 1553 Columbus rd, Cleveland, O.

## 12202— Reamers or Tap Borers (Lead Pipe)

**See also Borers, Tap**

**Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.**
**Lowentraut P. Mfg Co., 36 Brenner, Newark, N. J.**
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

## 12203— Reamers (Pin)

Brubaker W. L. & Bros., Millersburg, Pa.
**Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.**
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York
Gale & Sawyer Co., 36 Oliver, Boston, Mass.
**GREENFIELD TAP & DIE CORP'N** ("G. T. D." Taper Spiral Fluted), Greenfield, Mass.
*See adv index at end of book*
**Screw Machine Products Corp. (Taper), 1012 Eddy, Providence, R. I.**

## Reamers (Pipe)

**See Taps & Reamers, Pipe**

## Reamers (Pneumatic)

**See Pneumatic Reaming & Tapping Drills**

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A set of SUPER-SIXES reams any sized hole from 15/32″ to 1 17/32″. They are provided with six blades, slightly staggered to eliminate chattering. Each reamer has an unusually large range of expansion, and, in addition, an extra oversize expansion of from .010″ to .015″, allowing considerable regrinding. You'll find a set of SUPER-SIXES mighty handy. Write for descriptive price list.

**Cutter & Wood Supply Co.**
**77 Pearl St.** **Boston 9, Mass.**

115-8

## 12204— Reamers (Radial)

**Hanna Engineering Works ("Hanna," for Bridge & Structural Shops), 1764 Elston av, Chicago, Ill.**

## 12205—Reamers (Rivet Hole)

Buckeye Twist Drill Co., Alliance, O.
Rich Tool Co. Railway Exch. bldg, Chicago, Ill.
**Standard Tool Co., 6700 Central av, Cleveland, O.**

## 12206— Reamers (Set)

**Buffum Tool Co. ("Swastika," Conduit & Iron Pipe), South Side, Louisiana, Mo.**

## 12207— Reamers (Shell)

**Alvord Reamer & Tool Co., Millersburg, Pa.**
Brubaker W. L. & Bros., Millersburg, Pa.
Buckeye Twist Drill Co., Alliance, O.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, Ohio
*See adv index at end of book*
**Detroit Reamer & Tool Co., 302 E. Congress, Detroit, Mich.**
**DETROIT TWIST DRILL CO.** (Also Rose Shell), 555 Fort, Detroit, Mich.
*See adv index at end of book*
Gale-Sawyer Co., 36 Oliver, Boston, Mass.
Gisholt Machine Co. (Solid Adjustable), Madison, Wis.
**GREENFIELD TAP & DIE CORP'N** ("G. T. D." Rose Straight & Spiral Fluted), Greenfield, Mass.
*See adv index at end of book*
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W. 44th, New York
*See adv index at end of book*
Lincoln Twist Drill Co., Taunton, Mass.
**McCrosky Reamer Co. ("McCrosky" Adjustable), Meadville, Pa.**
**Mergenthaler Co., 118 Hollingsworth, Baltimore, Md.**
Morse Twist Drill & Machine Co. ("Morse" Adjustable & Rose), New Bedford, Mass.
**National Twist Drill & Tool Co. ("National" Fluted), Detroit, Mich.**
**Polk A. J. & Son Co., Millersburg, Pa.**
Pratt & Whitney Co., Hartford, Conn.
Putnam Machine Co., Fitchburg, Mass.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio
**Rogers John M. Works, Gloucester City, N. J.**
**Standard Tool Co., 6700 Central av, Cleveland, O.**

## 12208—Reamers (Special Design)

Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, Ohio
*See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
**McCrosky Reamer Co., Meadville, Pa.**

## 12209— Reamers (Square)

**Bagshaw & Field, 445 N 5th, Phila., Pa.**
**Buck Bros., Millbury, Mass.**
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York
*See adv index at end of book*
**Jennings C. E. & Co., 71 Murray, New York**
**Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.**
**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**
**Snell Mfg. Co., Fiskdale, Mass.**
**Tuck Mfg. Co. (Also Half Round), Brockton, Mass.**
**Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.**

## 12210— Reamers (Taper)

**Alvord Reamer & Tool Co., Millersburg, Pa.**
**Brown & Sharpe Mfg. Co. ("Standard"), Providence, R. I.**
**Brubaker W. L. & Bros., Millersburg, Pa.**
**Buck Bros., Millbury, Mass.**
**Buckeye Twist Drill Co., Alliance, O.**
**Butterfield & Co., Derby Line, Vt.**
**Chicago Screw Co.** (Taper Pin), Homan av & Fillmore, Chicago, Ill.
Cleveland Cutter & Reamer Co. (The), 1619, Merwin av, Cleveland, Ohio
*See adv index at end of book*
Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.
**Corbin Screw Corporation** (Pin), New Britain, Conn.
Curban Mach. & Steel Corp., 63 Duane, New York
**Detroit Reamer & Tool Co., 302 E. Congress; Detroit, Mich.**
**DETROIT TWIST DRILL CO.** (Also Taper Pin), 555 Fort, Detroit, Mich.
*See adv index at end of book*
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York
Gale & Sawyer Co., 36 Oliver, Boston, Mass.
**GREENFIELD DIE & TAP CORP'N** ("G. T. D.", "Morse" Roughing & Finishing), Greenfield, Mass.
*See adv index at end of book*
Herbertd Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
**Holland Mfg. Co., 352 E 18th, Erie, Pa.**
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
**National Twist Drill & Tool Co. ("National" Taper Pin, etc), Detroit, Mich.**
**Polk A. J. & Son Co., Millersburg, Pa.**
Pratt & Whitney Co., Hartford, Conn.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Republic Tool & Mfg. Co., 1401 W 9th, Cleveland, Ohio
**Rich Tool Co., Ry Exch bldg, Chicago, Ill.**
**Rogers John M. Works (Solid & Adjustable), Gloucester City, N. J.**
Ryerson Jos. T. & Son, 910 Corn Exchange bldg, 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Standard Tool Co., 6700 Central av, Cleveland, O.
**Stowe Flexible Shaft Co. (Long Taper), N 26th & Callowhill, Phila., Pa.**
Syracuse Twist Drill Co. ("Syracuse" Square), Borden av, Syracuse, N. Y.
**Yonts C. H. & Co.** (For Bit Brace, Paper Reamer & Ratchet Combination; also Spiral Fluted), Meadville, Pa.

## 12211—*Reamers (Turret Lathe)

Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York
Kelly Reamer Co., 1553 Columbus rd, Cleveland, O.

## 12212— Reamers (Under)

Oil Well Improvements Co. (Solid Bit), Tulsa, Okla.
Vulcan Iron & Steel Works ("Grant"), 1590 N Main, Los Angeles, Cal.
Wilson & Williard Mfg. Co. (For Oil Well Drilling), Los Angeles, Cal.

## 12213—Reamers (Valve Reseating)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Kelly Reamer Co., 1553 Columbus rd, Cleveland, O.

## 12214— Reapers

**See also Agricultural Implements; Harvesters; Mowers**

Emerson-Brantingham Co., ("E. B. Osborne") Rockford, Ill.
International Harvester Co. of America (Inc.) (Deering, McCormick, Milwaukee), Harvester bldg, Chicago, Ill.
**Massey Harris Harvester Co. ("Johnston Continental"), Batavia, N. Y.**
Messinger Mfg. Co. (Empire"), Tatamy, Pa.
Moline Plow Co. ("Adriance"), Moline, Ill.
Seiberling & Miller Co. ("Empire"), Doylestown, O.
Wood Walter A. Mowing & Reaping Machine Co. ("Walter A. Wood"), Hoosick Falls, N. Y.

## 12214a— Receivers (Acid)

**Acid Proof Iron Products Co., Inc., 49 Herman, Newark, N. J.**
**Duriron Castings Co., Dayton, O.**
**General Ceramics Co., 50 Church, New York.**
Knight Maurice A., Akron, O.
**Thermal Syndicate Ltd., 50 E 41st, New York**

## 12215— Receivers (Air)

**Boyle Mfg. Co., 5100 Santa Fe, Los Angeles, Cal.**
**Buckeye Boiler Co., Dayton, O.**
**Bury Compressor Co., Erie, Pa.**
**Case W. A. & Sons, Mfg. Co., Buffalo, N. Y.**
**Casey-Hedges Co., Chattanoogo, Tenn.**
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th, New York
*See adv index at end of book*
**Columbiana Boiler Co., Columbiana, O.**
**Continental Iron Works, West & Calyer, Brooklyn, N. Y.**
**Devine J. P. Co., Buffalo, N. Y.**
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
**Hamburg Boiler Works, Hamburg, Pa.**
York
**INGERSOLL-RAND CO.,** 11 B'way, New York. *See adv index at end of book*
**Kellogg M. W. Co. (Welded), 90 West, New York** *See adv index at end of book*
**Kewanee Boiler Co., Kewanee, Ill.**
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.** *See adv index at end of book*
**Kraft A. C., 328 W Lake, Chicago, Ill.**
Leader Iron Works, Decatur, Ill.
**McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.**
**Munroe R. & Sons Mfg. Corp'n (Also Gas), 23rd & Smallman, Pittsburgh, Pa.**
**Murphy & Walsh, Pekin, Ill.**
Ocean Shore Iron Wks., 550 8th, San Francisco, Cal. *See adv index at end of book*
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal., & 33 W 42d, New York
**Petroleum Iron Works Co., Sharon, Pa.**
Phoenix Iron Wks. Co., Meadville, Pa.
Ryerson Joseph T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg., Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
United Iron Works, Inc., Kansas City, Mo.
**Vulcan Iron Works, Wilkes-Barre, Pa.**
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler Improved"), Carteret, N. J. *See adv index at end of book*
**Wilks S. Mfg. Co., 3517 Shields av, Chicago, Ill.**
**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

## 12216—Receivers (Ammonia)

American Welding Co. (Seamless Lap Welded), Carbondale, Pa.
Austin Welding Works, 555 W Quincy, Chicago, Ill.
Columbus Iron Works, Columbus, Ga.

## 12216a—Receivers (Feed Water)

Harrison Safety Boiler Wks., 3147 17th, Phila., Pa.

## 12217— Receivers (Garbage)

**Birch Mfg. Co.** (Wall), 1276 Clybourn av, Chicago, Ill.
Colonial Fireplace Co. ("Bestovall"), 4631 W 12th, Chicago, Ill.
Donley Bros. Co. ("D. B." Underground), 3625 E 74th, Cleveland, O.
*See adv index at end of book*
**Majestic Co.** (Built-In Kitchen, Apartment & Underground), Huntington, Ind.
**Sexton Can Co.** ("Sexton Sanitary" Underground), 123 Broad, Boston, Mass.
**Stephenson C. H.** ("Stephenson," "Standard," & "Unit," also Street Sweeping. Ash, Refuse, etc), Lynn, Mass.

## 12217a—Receivers (Milk & Package)

**DONBY BROS. CO., THE** (& Bottle), 3626 E 74th, Cleveland, O.
*See adv index at end of book*
Majestic Co., Huntington, Ind.

## 12218— Receivers (Pipe)

**American District Steam Co. ("Adsco"), North Tonawanda, N. Y.**

## 12218a—Receivers (Rotary Underground Ash)

Gunster Bros. (Underground & Elevator for Heaters & Boilers), Scranton, Pa.
Sharp Rotary Ash Receiver Co., Binghamton, N. Y.

## 12219-20—Receivers (Wireless Telegraph)

Brandes C., 32 Union sq, New York
Cutting & Washington Radio Corp. ("C. & W."), 6 & 8 W 48th, New York
*See adv index at end of book*
National Electric Signaling Co., Farmers' Bank bldg, Pittsburgh, Pa.
Radio Corporation of America, 233 B'way, New York
Wireless Specialty Apparatus Co., C & Fargo, Boston, Mass.

## 12221— Receptacles (Cleat)

Connecticut Elec. Mfg. Co., Bridgeport, Conn.
General Electric Co. (Concealed, Moulding, Conduit, Box, Sign, Miniature & Candelebra), Schenectady, N. Y.
*See adv index at end of book*

## 12222—Receptacles (Conduit Box)

Connecticut Elec. Mfg. Co., Bridgeport, Conn.
Gleason J. L. & Co., 241 Franklin, Boston, Mass.

## 12222a—*Receptacles (Edi-Swan & Candelabra)

**MORSE FRANK W.** ("Morse," Flush & Surface), 289 Congress, Boston, Mass.
*See adv index at end of book*

## 12223— Receptacles (Flush)

Arrow Electric Co. ("Arrow E," "Standard") (For Attachment Plugs), Hartford, Conn.
Bryant Electric Co., Bridgeport, Conn.
Connecticut Elec. Mfg. Co., Bridgeport, Conn.
**HART MFG. CO.** ("Diamond H"), 230 Hamilton, Hartford, Conn.
*See adv index at end of book*
**MANHATTAN ELECTRICAL SUPPLY CO.** (also Plug & Miniature Socket), 17 Park pl, New York
*See adv index at end of book*

## 12224—Receptacles for Chemical Works

Baeuerle & Morris, 932 N Front, Phila., Pa.

## 12225— Receptacles (Hard Fibre)

Baeuerle & Morris, 932 N Front, Phila., Pa.
Wilson Co., Greenville, S. C.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.

## 12225a—*Receptacles (Metal Sheet & Porcelain)

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 12226—Receptacles (Ordinary & Sign)

**See also Plugs, Attachment; also Sockets**

Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Arrow Electric Co. ("Arrow E," "Mogul," "Standard" Candelabra & Miniature), Hartford, Conn.
Best Electric Co., Vanadium bldg, Pittsburgh, Pa.
Bryant Electric Co., Bridgeport, Conn.
Chelton Electric Co., Stenton & Rockland, Phila., Pa.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Crouse-Hinds Co. ("Norbitt" & "Conduletto"), Syracuse, N. Y.
Federal Sign System (Outlet Box), 8700 S State, Chicago, Ill.
Freeman E. H. Electric Co. ("Russell" Sign, Porcelain for Metal Faced Signs), Trenton, N. J.
Hart & Hegeman Mfg. Co., 342 Capital av, Hartford, Conn.
Hubbell Harvey (Floor), Bridgeport, Conn.
Johns-Pratt Co. (Moulded Mica, Waterproof Sockets & Receptacles), Hartford, Conn.
National Metal Moulding Co. (For Metal Moulding), 1110 Fulton bldg, Pittsburgh, Pa.
Paiste H. T. Co. ("Fielding"), 3201 Arch, Phila., Pa.
Pass & Seymour ("P. & S." Waterproof, etc), Solvay, N. Y.
Paulding John I., New Bedford, Mass.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Peru Electric Co., Peru, Ind.
Phila. Elecl. Mfg. Co., 1236 N 31st, Phila., Pa.
Russell & Stoll Co., 17 Vandewater, New York
Sears Henry D. ("Weber"), 80 Boylston, Boston, Mass.
Stanley & Patterson ("Newcode"), 11 Murray, New York
Tregoning Electric Mfg. Co., Cleveland, O.
Trumbull Electric Mfg. Co., Plainville, Conn.
Union Electric Co., Trenton, N. J.
V. V. Fittings Co., 1906 N 6th, Phila., Pa.

## 12226a—Receptacles (Three Fuse 600 Volt)

**DELTA STAR ELECTRIC CO.,** 2433 Fulton, Chicago, Ill.

## 12226b—*Rechargers for Fire Extinguishers)

Harker Mfg. Co. (Chemical), 121-123 W 3d, Cincinnati, O.
*See adv index at end of book*
**SAFETY FIRE EXTINGUISHER CO.,** 295 7th av, New York
*See adv index at end of book*

## 12226c—*Reclaiming Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 12227—Record Holders (Wire Phonograph)

Syracuse Wire Works (Wire & Steel), 101 University av, Syracuse, N. Y.

## 12228— Recorders (Cash)

Hough Cash Recorder Co. ("Security"), Indian Orchard, Mass.

## 12229— Recorders (Coasting)

Railway Improvement Co. (For Electric Railways), 61 B'way, New York

## 12230—Recorders (Combustion)

**FOXBORO COMPANY, THE** ("Foxboro-Heath" $CO_2$), Foxboro, Mass.
*See adv index at end of book*
**PRECISION INSTRUMENT CO.** ("Precision"), (0-20%, 0-50%, 65-100%), 21 Halsey, Newark, N. J.
*See adv index at end of book*
**SARCO CO. INC.** ("Sarco"), 8 Park pl, New York. *See adv index at end of book*
Uehling Instrument Co., 71 Broadway, New York

## 12231—Recorders (Continuous Feed & Resetting)

Ashcroft Mfg. Co. (For Steam, Electric Cable, Engine & Water Motors), 119 W 40th, New York
Brown Instrument Co., Wayne & Windrim, Phila., Pa.

## Recorders (Differential)

See Gauges Differential Recording

## 12232—Recorders (Elevator Travel)

Dwight Mfg. Co., 565 W Washington blvd, Chicago, Ill.
Elevator Supplies Co., Hoboken, N. J.

## 12233—Recorders (Flue Gas Temperature)

Bailey Meter Co. ("Bailey"), 2017 E 46th, Cleveland, O. & 139 Milk, Boston, Mass.
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Dwight Mfg. Co., 565 W Washington blvd, Chicago, Ill.

## 12233a—Recorders (Machine)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.

## 12234—Recorders (Pressure & Speed)

**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
Du Vivier Ernest H. (Imp.), 30 Church, New York
Esterline Co. (Inc.) ("Esterline," Speed), Indianapolis, Ind.
**FOXBORO COMPANY, THE** ("Foxboro," also Temperature), Foxboro, Mass.
*See adv index at end of book*
Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG CO.** (Also Temperature), Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Tagliabue C. J. Mfg Co. (Pressure Only), 18 33d, Brooklyn, N. Y.
Uehling Instrument Co., 71 B'way, New York

## 12235—Recorders (Railway Speed)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**CHICAGO PNEUMATIC TOOL CO.,** 6 E 44th, New York
*See adv index at end of book*

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## 12236— Recorders (Smoke)

**Hamler-Eddy Smoke Recorder Co.** ("Eddy"), 3906 S Halsted, Chicago, Ill.
Scientific Instrument & Elect. Mach. Co., Mechanicsburg, Pa.

## 12336a—*Recorders (Specific Gravity)

**PRECISION INSTRUMENT CO.,** 21 Halsey, Newark, N. J.
*See adv index at end of book*

## 12237—Recorders (Sunshine)

**Green Henry J., 1191 Bedford av, Brooklyn, N. Y.**

## 12337a—Recorders (Temperature)

**Bristol Co., Waterbury, Conn.**
*See adv index at end of book*
**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila, Pa.
**Foxboro Co., Foxboro, Mass.**
*See adv index at end of book*
**Hoskins Mfg. Co., 453 Lawton, Detroit, Mich.**
**Schaeffer & Budenberg Mfg. Co., Berry & S 5th, B'klyn, N. Y.**
*See adv index at end of book*
**Thwing Instrument Co., 33rd & Lancaster, Phila., Pa.**
**Uehling Instrument Co., 71 B'way, New York**

## 12238— Recorders (Time)

**See also Clocks, Time Recording System**
**AUTOMATIC TIME STAMP CO.** ("Automatic" Time Register, "Duragraph" Elapsed Time Recorder, 159 Congress, Boston, Mass.
**Bishop Calculating Recorder Co. ("Bishop" Calculating), 233 B'way, New York**
**Bonham Recorder Co., Hamilton, O.**
**BRISTOL CO.** ("Bristol's" Electric & Mechanical), Waterbury, Conn.
*See adv index at end of book*
**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila. Pa.
**Brown Trafilog Co.** ("Trafilog" for Trucks, Wagons, etc), 6911 Carnegie av S E, Cleveland, O.
**Bundy W. H., Recording Co.** ("Bundy"), 135 5th av, New York
**Calculagraph Co.** (Elapsed Time Recorder), 30 Church, New York
**Cincinnati Time Recorder Co., 1733 Central av, Cincinnati, O.**
**Computing Tabulating Recording Co., 50 Broad, New York**
**Costmeter Co.** ("Costmeter" Industrial Interlocking Identification), 1000 Washington, Boston, Mass.
**Follett Time Recording Co., 9 West B'way, New York**
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**Bisholt Machine Co.** ("Periodograph"), Madison, Wis.
**Holtzer-Cabot Electric Co.** ("Watchmen's"), 125 Amory, Boston, Mass.
**HOWARD E. CLOCK CO., Bromfield & Washington, Boston, Mass.**
*See adv index at end of book*
**Imhauser, E., Co.** ("Watchman's"), 165 Fulton, New York
*See adv index at end of book*
**International Time Recording Co. of N. Y.** ("Rochester," "Bundy," "Chicago" & "International Card"), Endicott, N. Y.
**Kastens Henry, 418 W 27th, New York**
**King Lock Co., 319 W Ohio, Chicago, Ill.**
**Magneta Co., 37 E 28th, New York**
**Monitor Time Clock Co., Syracuse, N. Y.**
**Manz Clock Co., 178 Fulton, N. Y.**
**Recording Devices Co., Dayton, O.**
**Service Recorder Co. (Travel Recorders), 2344 E 105th, Cleveland, O.**
**SIMPLEX TIME RECORDER CO., Gardner, Mass., 135 5th av, New York, 30 N Dearborn, Chicago, Ill., and 261 Franklin, Boston, Mass.**
**Slocum Avram & Slocum Laboratories, Inc. (Machine Efficiency), 537 W 21st New York**
**Sohm Electric Co.** ("Sohm" System Keyless), 841 Blue Island av, Chicago, Ill.
**Stromberg Electric Co., 606 S Michigan av, Chicago, Ill.**
**Taxley Mfg. Co.** ("Monarch"), 1101 W Monroe, Chicago, Ill.

## 12239-40—Recorders (Time, Cost Keeping)

**Costmeter Co.** ("Costmeter"), 1000 Washington, Boston, Mass.
**Simplex Time Recorder Co., Gardner, Mass.,** 135 5th av, New York, 30 N Dearborn, Chicago, Ill., and 261 Franklin, Boston, Mas.
**Stromberg Electric Co., 606 S Michigan av, Chicago, Ill.**

## 12241—Recorders (Traffic Time)

**Brown Trafilog Co., 6911 Carnegie av, S E. Cleveland, O.**

## 12241a— Recorders (Vacuum)

See also Gauges
**Precision Instrument Co., 21 Halsey, Newark, N. J.**
*See adv index at end of book*
**Schaeffer & Budenberg Mfg. Co., Berry & S 5th, B'klyn, N. Y.**
*See adv index at end of book*
**Uehling Instrument Co., 71 B'way, New York**

## 12242—Recorders (Water Flow)

**Bailey Meter Co.** ("Bailey" For Water and all Fluids), 2017 E 66th, Cleveland, O., & 139 Milk, Boston, Mass.
**Yarnall-Waring Co.** ("Lea" V Notch Meters for Measuring Boiler Feed, Acids, Chemical Solutions, etc), Harrison bldg, Phila., Pa.

## 12243—Recorders (Water Level)

**Brown Instrument Co., Wayne & Windrim Phila., Pa.**
**Du Vivier Ernest H. (Imp), 30 Church, New York**
**FOXBORO COMPANY, THE** ("Foxboro"), Foxobro, Mass.
*See adv index at end of book*
**Gurley W. & L. E.** (Automatic Self-Recording Water Stage Registers, making Printed & Graphic Records, also "Gurley" Hook Gage for Determining the Depth of Water Flowing Over Weirs, etc), Troy, N. Y.
**Leupold & Voelpel** ("Stevens" Continuous), Portland, Ore.
**Lombard Governor Co., Ashland, Mass.**
**Precision Instrument Co., 21 Halsey, Newark, N. J.**
*See adv index at end of book*
**Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.**

## 12244— Recorders (Weir)

**Bailey Meter Co.** ("Bailey"), 2017 E 46th, Cleveland, O. & 139 Milk, Boston, Mass.
**Simplex Valve & Meter Co., 110 N Broad, Phila, Pa.**

## 12245—*Recording Devices For the Trade

**PLUMB D. S.,** 73-77 Norfolk near Central av, Newark, N. J.
*See adv index at end of book*

## 12245a— Records (Disc)

**Columbia Graphophone Co., 233 Broadway, New York**
**Edison Thomas A., Orange, N. J.**
**Federal Record Corp., Albany, N. Y.**
**General Phonograph Corp.,** ("Okeh"), 25 W 45th, New York.
**Pathe Freres Phone Co., 18 E 42nd, New York**
**United Phonograph Corp., Sheboygan, Wis.**
**Victor Talking Machine Co., Camden, N. J.**

## 12246—Rectifiers (Alternating Current)

**Beacon Rectifier, Inc.** (For Charging Storage Batteries)), Hyde Park, Mass.
**Carter Electric Co., Atlanta, Ga.**
**Edison Thomas A.** (For Charging Storage Batteries), Orange, N. J.
**Hobart Bros. Co., Troy, N. Y.**

## 12247—Rectifiers (Automobile Electric Lighting)

**GENERAL ELECTRIC CO.** ("G. E." "Tungar"), Schenectady, N. Y.
*See adv index at end of book*
**Hobart Bros. Co., Troy, N. Y.**

## 12248— Rectifiers (For Changing Alternating to Direct Current)

**American Battery Co.** ("American" Electrolytic), 1132 Fulton, Chicago, Ill.
**Elec. Accumulator Co., 811 Penna, Pittsburgh, Pa.**
**France Mfg. Co., 10360 Berea rd, Cleveland.**
**Hobart Bros. Co., Troy, N. Y.**
**Imperial Elec. Co., Union City, Ind.**
**Krott L. E. Apparatus Co., 79 Amherst, Cambridge, Mass.**
**Lincoln Electric Co., Cleveland, O.**
**Meyer Wm. Co., 1644 Girard, Chicago, Ill.**
**Murphy Electricity Rectifier Co., Rochester, N. Y.**
**Ruprecht Electrical Co., Cleveland, O.**
**Stahl Rectifier Co., 1401 W Jackson, Chicago, Ill.**
**Standard Metal Mfg. Co., 237 Chestnut, Newark, N. J.**
**United Elec. Apparatus Co., 1529 Columbus av, Boston, Mass.**
**Victor Electric Co., 236 S Robey, Chicago, Ill.**
**WESTINGHOUSE ELECTRIC & MFG. CO.** ("Cooper-Hewitt"), East Pittsburgh, Pa. *See adv index at end of book*

## 12249—Rectifiers (Mercury Arc)

**GENERAL ELECTRIC CO.** (For Changing Alternating Current to Direct Current), Schenectady, N. Y.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 12250 — Rectigraphs

**Rectigraph Co., Rochester, N. Y.**

## 12251— Reds (Indian)

**Chrystal Chas. B, 13 Cliff, New York**
*See adv index at end of book*
**Fuller, Ralph L. & Co., Inc., 81 Fulton, New York**
**Harshaw Fuller & Goodwin Co., Elec. bldg., Cleveland, O.**
**McNulty Joseph A., 135 William, New York** *See adv index at end of book*
**Smith J. Lee & Co. (Imp), 19 Jacob, New York**
**Westmoreland Chemical & Color Co., S E Cor. 22nd & Westmoreland, Phila., Pa.**

## 12251a— Reds (Turkey)

**McNULTY, JOSEPH A.,** 135 William, New York *See adv index at end of book*
**Smith J. Lee & Co. (Imp), 19 Jacob, New York**

## 12251b— Reds (Tuscan)

**Harshaw Fuller & Goodwin Co., Elec. bldg., Cleveland, O.**
**McNulty Joseph A., 135 William, New York** *See adv index at end of book*
**Smith J. Lee & Co. (Imp), 19 Jacob, New York**

## 12252— Reds (Venetian)

**Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.**
**Chrystal Chas B, 13 Cliff, New York**
*See adv index at end of book*
**Harshaw Fuller & Goodwin Co., Elec. bldg., Cleveland, O.**
**McNULTY, JOSEPH A.,** 135 William, New York *See adv index at end of book*
**Macneal James B. & Co.** (American & English), Warner & Wooster, Baltimore, Md.
**Mepham Geo. S. & Co., 20th & Lynch, East St. Louis, Ill.**
**Osborn C. J. Co. (Imp.), 132 Nassau, New York**
**Smith J. Lee & Co. (Imp.), 19 Jacob, New York**
**Westmoreland Chemical & Color Co., S E Cor. 22nd & Westmoreland, Phila., Pa.**
**WILLIAMS C. K. & CO.** ("Anchor Brand"), Easton, Pa.
*See adv index at end of book*

## 12252a— *Reducers (Aniline)

**Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.**

## 12253—Reducers (Closet Spud)

**Trenton Brass & Machine Co., Trenton, N. J.**

### 12254— Reducers (Hose)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Simmons John Co., 110 Centre, New York
*See adv index at end of book*

### 12255—Reducers (Stove Pipe)

Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Osborn J. M. & L. A. Co., Cleveland, O.

### 12256—Reeds (Car Seat, Chair, Etc.)

Heywood Bros. & Wakefield Co., Gardner, Mass.
National Patent Reed Co., Unionville, Conn.

### 12256b—Reels (Automatic)

Hayward Co. (For Handling Electric Cables or Overhead & Locomotive Cranes), 50 Church, New York.
*See adv index at end of book*

HAYWARD BUCKETS
DIGGING MACHINERY
THE HAYWARD COMPANY
30 CHURCH STREET NEW YORK

### 12257— Reels (Belt)

Turner Tanning Machinery Co. ("Turner" for Belt Mfrs.), Peabody, Mass.

### 12258—Reels (Blasting Cable)

Grasselli Powder Co., Guardian bldg, Cleveland, O.

### 12259— Reels (Bolting)

Gump B. F. Co., 413 S Clinton, Chicago, Ill.
Noye Bros. Co., Buffalo, N. Y.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Wolf Co., Chambersburg, Pa.

### 12259a— Reels (Braid)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York.
*See adv index at end of book*
Estes, E. B. & Sons, 364 5th av, New York *See adv index at end of book*

### 12260— Reels (Centrifugal)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co. (Bolting), Milwaukee, Wis.
Bauer Bros. Co., Bauer bldg, Springfield, O.
Wolf Co., Chambersburg, Pa.

### 12260a— Reels (Chalk & Masons' Line)

Beall Bros., Alton, Ill.
Bogert & Hopper, Inc. (Wood), 57 Barclay New York.
*See adv index at end of book*
Stanley Rule & Level Co., New Britain, Conn.
Union Hardware Co., Torrington, Conn.

### 12261— Reels (Clothes Line)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Feeney Mfg. Co. ("Star" & "Handy"), Muncie, Ind.
Forsyth Metal Goods Co., E. Aurora, N. Y.
Gehl Bros. Mfg. Co., West Bend, Wis.
Gem Mfg. Co. (Also Tighteners), North Girard, Pa.
Glendale Mfg. Co. (Indoor), 1 Madison av, New York
Hugro Mfg. Co. ("Blue Bird," "Peerless" Outdoor), 327 S La Salle, Chicago, Ill.
Klauer Mfg. Co., Dubuque, Ia.
Little Giant Co. ("Little Giant"), Mankato, Minn.
Loetscher-Ryan Mfg. Co. (Revolving Iron Casters), Dubuque, Ia.
Palmer W. M. Mfg. Co. ("Reel-Z-Up," for Kitchen & Laundry), 42 B'way, New York.
Patent Novelty Co. (Kitchen), Fulton, Ill.
Sanitary Appliance Co., Neenah, Wis.
Sommer John Faucet Co., 30 Morris av, Newark, N. J.
Swett A. L. Iron Works, Medina, N. Y.

### Reels (Fire Hose)

See Reels & Racks, Fire Hose

### 12262— Reels (Fishing)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
Enterprise Mfg. Co. ("Pflueger"), Akron, Ohio
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
General Phonograph Corp. ("Meisselbach" Automatic, "Takapart," "Tripart," "Free Spool," "Neptune," Metal, "Good Luck," Wood, "Amateur," "Expert," "Allright," "Featherlight," "Zephyer," etc.), 25 W 45th, New York.
Horrocks-Ibbotson Co. ("Y. & E." Automatic) Utica, N. Y.
Martin Automatic Fishing Reel Co. ("Martin"), Mohawk, N. Y.
Milam B. C. & Son, Frankfort, Ky.
Montague City Rod Co., Montague City, Mass.
Orvis Chas. F. Co., Manchester, Vt.
Redifor Rod & Reel Co. ("Redifor"), Warren, O.
Reisner W. H. Mfg. Co., Hagerstown, Md.
Sommer John Faucet Co., 30 Morris av, Newark, N. J.
South Bend Bait Co. (Anti-Back Lash), South Bend, Ind.
Stockford Reel Co., 330 W. Kinzie, Chicago, Ill.
Vom Hofe Edward & Co., 112 Fulton, New York
Vom Hofe Julius, 351 S 5th, Brooklyn, N. Y.
Winchester Repeating Arms Co. ("Winchester") New Haven, Conn.

### 12263—Reels (Garden Hose)

Cardington Cabinet Co. ("Ideal" Steel, "Buckeye" & "Cardington" Metal, "Ohio," "Sterling," "Crescent," "Perfection," "Excelsior," "Acme" Wood), Cardington, O.
Celina Specialty Co. (Wooden), Celina, O.
Independent Register & Mfg. Co. (Metal), 713 Frankfort, Cleveland, O.
McKinnon Dash Co. (All Steel), Buffalo, N. Y.
Majestic Co., Huntington, Ind.
Specialty Mfg. Co. (Detachable), 2362 University av, St. Paul, Minn.
SPRAY ENGNG. CO. ("Simplex"), 93 Federal, Boston, Mass.
*See adv index at end of book*
Steele-Alderfer Co., Cuyahoga Falls, O.
Steinfeld Bros. (Wood), 116 W 22d, New York.
Toledo Metal Wheel Co. (Metal), Toledo, Ohio.
Union Mfg. & Lumber Co. (Wooden), Northville, Mich.
Whitehurst R. W. Mfg. Corp. (Wooden), Norfolk, Va.
Wirt & Knox Mfg. Co. ("Wirt's"), 23d & York, Phila., Pa.

### 12264— Reels (Hexagon)

Wolf Co., Chambersburg, Pa.

### 12265—Reels (Leading Wire)

HERCULES POWDER CO., Wilmington, Del. *See adv index at end of book*

### 12266— Reels (Leather)

Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.

### 12267— Reels (Paper)

Clark H. C. & Son Machine Co., Lee, Mass.
Mossberg Frank Co. ("Mossberg," All Steel for Paper Mfrs), Attleboro, Mass.

### 12268—Reels (Payout & Take-Up)

Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co. ("Wassen"), Downers Grove, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.
Nagel W. G. Electric Co. ("Ready"), Toledo, O.
Ransome Concrete Machinery Co., Dunellen, N. J.
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
Waldman John J., 64 Murray, New York
Wasson Reel Co., Clinton, Ill.

### 12269—Reels (Pressed Steel)

American Pulley Co., 114 S. Clinton, Chicago, Ill.
Mossberg Frank Co. (For Wire & Chain Manufacturers), Attleboro, Mass.

### 12269a— Reels (Rope)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.
*See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York
*See adv index at end of book*
Paige Motor, Antrim, N. H.

### 12270— Reels (Sand)

Chrisman Foundry Co. (Iron & Wood), Morgantown, W. Va.
Masseth Packer & Machine Co. ("Jackson"), Butler, Pa.

### 12271— Reels (Scalping)

Barnard & Leas Mfg. Co., Moline, Ill.

### 12272— Reels (Sheet Steel)

Stirrup Mfg. Co. (For Moving Picture Machines), 397-403 Market, Newark, N. J.

### 12273—Reels (Sifter Bolting)

Abbe Engineering Co., 216-224 B'way, New York. *See adv index at end of book*
Barnard & Leas Mfg. Co., Moline, Ill.
Brown A. & F. Co., 79 Barclay, New York
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Wolf Co., Chambersburg, Pa.

### 12273a—Reels (Surveyors' Tape)

American Safety Lamp & Mine Supply Co., Scranton, Pa.

### 12274—Reels (Tennis Post)

Spaulding A. G. & Bros., 126 Nassau, New York

### 12275— Reels (Wire)

Avoca Mfg. Co., Avoca, N. Y.
Dicke Tool Co., Downers Grove
Electrical Mfrs. Equipment Co. (Magnet), 712 Postal Telegraph bldg., Chicago, Ill. *See adv index at end of book*
Kenfield-Lamoreaux Co. (For Barb Wire), Conway bldg., Chicago, Ill.
Koegel Chas. & Sons, Holyoke, Mass.
Ladel Mfg. Co., New Phila., O.
La Fayette Engrg Co. (Cable & Const. Trucks), La Fayette, Ind.
Leahy John J., 48 Dey, New York
Meckel Fred L., 11 E 13th, Chicago, Ill
Minneapolis Elec & Construction Co., 112 S 7th, Minneapolis, Minn.
Mossberg F. Co., Attleboro, Mass.
Nashua Spool & Bobbin Co., Grove Hall Station, Boston, Mass.
Nilson A. H. Machine Co., (Tilting & Stationery), Bridgeport, Conn.
Oshkosh Mfg. Co., 558 S. High, Oshkosh, Wis.
Standard Mechanical Equipt Co., Dallas, Tex
Vaughn Machinery Co., Cuyahoga Falls, O.
*See adv index at end of book*
Waldman John J., 64 Murray, New York
Wasson Reel Co. ("Wasson"), Clinton, Ill.

### 12276— Reels (Wire Mill)

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn
*See Adv index at end of book*
Morgan Construction Co., Worcester, Mass.
Mossberg Frank Co. ("Mossberg" Stamped Steel), Attleboro, Mass.

Nilson A. H. Machine Co., Bridgeport, Conn.
Vaughn Machinery Co. (Double Deck Galvanizing Equipment), Cuyahoga Falls, O. *See adv index at end of book*

## 12277— *Reels (Wood)

**Estes E. B. & Sons (Braid, Clothes Line, Rope, etc), 364 5th av, New York**
***See adv index at end of book***
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 12278—Reels & Racks (Fire Hose)

Allen W. D. Mfg. Co. ("Bowes," "Yale," 'Dewey," "Ryerson," Racks & Reels), 566 W Lake, Chicago, Ill.
*See adv index at end of book*
**American Fire Apparatus Co., 30 E 42d, New York**
**Celina Specialty Co., Celina, O.**
Clay John H. (Swinging), 1320 Ridge av, Phila., Pa.
**Cliff & Guibert Co. ("A. B. C.," "Guibert"), 460 W B'way, New York**
Electrical Mfrs Equipment Co (Magnet), 712 Postal Telegraph Bldg., Chicago, Ill. *See adv index at end of book*
Elkhart Brass Mfg. Co. ("Elk," Hose Racks, "Elkhart" Swinging Hose Reels), Elkhart, Ind.
Harker Mfg. Co. ("Queen"), 121-123 W. Third, Cincinnati, O.
*See adv index at end of book*
**Hayward S. F. & Co. (Fire Hose), 250 W 54th, New York**
**Howard H. J. M. Mfg. Co. ("Howard's" Swinging), 150 Pierce N W, Washington, D. C.**
Howe Engine Co., Indianapolis, Ind.
**Jiffy Fire Hose Rack Co. ("Jiffy" Fire Hose Racks), 727 7th av, New York**
**Manhattan Rubber Mfg. Co. (Swinging), Passaic, N. J.**
Nuhring Chas. & Bro. ("2 in 1," "Cabinet" & "E-Z" Swinging & Automatic Racks), 1212 Walnut, Cincinnati, O.
Prospect Mfg. Co., Prospect, O.
**Revere Rubber Co. ("Schenck"), Chelsea, Mass.**
Rex-Harris Fire Appliance Co., 310 W 39th, New York
**Safety Fire Extinguisher Co., 291 7th av, New York**
*See adv index at end of book*
**Simmons John Co. ("Yale" Reel), 110 Centre, New York**
*See adv index at end of book*
**Whitehurst R. W. Mfg. Corp., Norfolk, Va.**
**Wirt & Knox Mfg. Co. ("Hump," "Royal," "Wirt's," "Eclipse," "Angle"), 23d & York, Phila., Pa.**

## 12278a— Refinery Equipment

**GRAVER WM. TANK WORKS**, East Chicago, Ill.
*See adv index at end of book*

## Reflectors (Electric Light)

**See Shades & Reflectors; also Reflectors, Various Kinds**

## 12279—Reflectors (Enameled Iron)

Baltimore Emanel & Novelty Co., 4 E Redwood, Baltimore, Md.
**Enamel Products Co. (Electric Reflectors), Eddy rd & Taft av, Cleveland, O.**
Geuder, Paeschke & Frey Co. (Also Japanned), 1314-1700 St. Paul av, Milwaukee, Wis.
Harter Mfg. Co., 524 S Clinton, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 12280—Reflectors (Enameled Steel)

**Adams-Bagnall Electric Co. ("Abolite" for Industrial Lighting), Platt av, Cleveland, O.**
Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Cutter Geo. C. (Porcelain), South Bend, Ind.
Dunlap John Co., Carnegie, Pa.
**VITREOUS ENAMELING CO.** (Steel), Grant av, Cleveland, O.
*See adv index at end of book*

## 12281—Reflectors for Churches, Halls, Etc.

American Reflector & Lighting Co., 517 W Jackson blvd, Chicago, Ill.
Bailey Reflector Co., 617 2d av, Pittsburgh, Pa.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Dayton Mfg. Co., Dayton, O.
**Frink I. P., Inc., 10th av & 24th, New York**
Gillinder & Sons (Glass), State & Devereaux, Philadelphia, Pa.
**Holophane Glass Co., 340 Madison av, New York**
**Kraushaar Brass Mfg. Co., 919 Pine, St. Louis, Mo.**
**Mitchell Vance Co., 507 W 24th, New York**
National X-Ray Reflector Co., 235 W Jackson blvd, Chicago, Ill.
**Pittsburgh Reflector & Illuminating Co., Pittsburgh, Pa.**
**Sunlight Reflector Co., 226 Pacific, Brooklyn, N. Y.**

## Reflectors (Glass & Porcelain)

**See Shades & Reflectors, Glass & Porcelain**

## 12282—Reflectors (Half Incandescent Lamp)

National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.

## Reflectors (Metallic)

**See Shades & Reflectors, Metallic**

## Reflectors (Mirror)

**See Shades & Reflectors, Mirror**

## 12283-4—Reflectors (Show Case)

Bailey Reflector Co., 617 2d av, Pittsburgh, Pa.
Erickson L. Electric Co., 6 Portland, Boston, Mass.
Frink I. P., Inc., 10th av & 24th, New York
Multi-Lux Illuminating Co., 6712 Union av, Cleveland, O.
National X-Ray Reflector Co., 233 W Jackson blvd, Chicago, Ill.
Reflector & Hardware Specialty Mfg. Co., 2235 S Western av, Chicago, Ill.
Straight Filament Lamp Co., 42 E 23rd, New York

## 12285—Reflectors (Tungsten Lamp)

Gill & Co. ("Gill"), E. York & Thompson, Phila., Pa.

## 12286—Reflectors (Window)

Bailey Reflector Co., 617 2d av, Pittsburgh, Pa.
Erickson L. Electric Co., 6 Portland, Boston, Mass.
Frink I. P., Inc., 10th av & 24th, New York
Holophane Glass Co., 340 Madison av, New York
National X-Ray Reflector Co., 233 W. Jackson blvd, Chicago, Ill.
Straight Filament Lamp Co., 42 E 23d, New York.

## 12287— Reflectoscopes

**Thompson Albert T. & Co., 15 Tremont pl, Boston, Mass.**

## 12288— Refractometers

**Bausch & Lomb Optical Co. ("Zeiss," "Abbe"), Rochester, N. Y.**
Eberbach & Son Co., Ann Arbor, Mich.

## 12289—Refrigerating Apparatus (Electric)

Brunswick Refrigerating Co., New Brunswick, N. J.
Lipman Refrigerator Car & Mfg. Co., Beloit, Wis.
**Schwenker W. M., 342 E 92d, New York**
**Voigt Bros. Mfg. Co., Louisville, Ky.**

## 12290— Refrigerators

Alaska Refrigerator Co. ("Ford" Opal Glass, etc), Muskegon, Mich.
Arlington Refrigerator Co. ("Arco" & "Berkshire"), Arlington, Vt.
**Baldwin Refrigerator Co., Burlington, Vt.**
Banta Refrigerator Co., Clearfield, Pa.
**Banta & Bender Co., Ligonier, Ind.**
**Belding-Hall Co., Belding, Mich.**
Bohn Refrigerator Co., 1340 Universal av, St. Paul, Minn.
Bouchard John & Sons Co., Nashville, Tenn.
**Brecht Co., 1201 Cass av, St. Louis, Mo.**
**Brunswick-Balke-Collender Co., 629 South Wabash av, Chicago, Ill.**
Challenge Refrigerator Co. ("Challenge Porcelain," "Triumph," "Grand"), Grand Haven, Mich.
**Chryster & Koppin, 819 Warren av, Detroit, Mich.**
**Cincinnati Butchers' Supply Co. (Chinalin-Lined), 2008 Central av, Cincinnati, O.**
Cincinnati Cement Products Co. (Window), 2016 Dana av, Cincinnati, O.
Cleveland Store Fixture Co., 1305 E 40th, Cleveland, O.
Cold Storage Refrigerator Co., Eau Claire, Wis.
**Cooper & McKee, 110 Lorimer, Brooklyn, N. Y.**
**Dillingham Mfg. Co., Sheboygan, Wis.**
Dry Kold Refrigerator Co., Niles, Mich.
Eddy D. & Sons Co., 336 Adams, Boston, Mass.
Ehrlich H. & Sons, St. Joseph, Mo.
Ehlers Robt. J. Co., 110 W 40th, New York
**Excelsior Stove & Mfg. Co., (Also Ice Chests), Quincy, Ill.**
**Fremont Mfg. Co., Fremont, Neb.**
**Gibson Refrigerator Co., Greenville, Mich.**
**Grand Rapids Refrigerator Co., Grand Rapids, Mich.**
**Gurney Refrigerator Co. ("Athermos" All-Steel), Fond du Lac, Wis.**
**Heinz & Munschauer ("Zero," "Buffalo," "Polar"), Buffalo, N. Y.**
**Herrick Refrigerator & Cold Storage Co.** (Grocery, Hotel, Restaurant & Florists) Waterloo, Ia.
Herrmann H. **Furniture Co., 368 Broome, New York**
Hill C. V. & Co., **Trenton, N. J.**
Illinois Refrigerator Co., Morrison, Ill.
Jewett Refrigerator Co., Buffalo, N. Y.
Jointless Refrigerator Mfg. Co. (Seamless White Interior), Milwaukee, Wis.
Knoell John & Sons, 179 Jefferson, Phila., Pa.
Koch Butcher Supply Co., 519 Wyandotte, Kansas City, Mo.
Koehler & Hinrichs, St. Paul, Minn.
**Liver C. B. & Co., Omaha, Neb.**
**Lorillard Refrigerator Co., 25 W 32d, New York**
**McCray Refrigerator Co. (Porcelain, Glass, Wood & Enamel Lined), Kendallville, Ind.**
**McKee Refrigerator Co., 119 Lorimer, Brooklyn, N. Y.**
Mace L. H. & Co., 55 E 150th, New York
**Maine Mfg. Co., Nashua, N. H.**
Metal Stamping Co. (Metal), Jackson, Mich.
**Miller Mfg. Co.** (Sectional), 8000 Alabama av, St. Louis, Mo.
Monroe Refrigerator Co. (Porcelain), Lockland, O.
National Refrigerators, 827 Koeln av, St. Louis, Mo.
**Niagara Refrigerator Works ("Niagara," "Erie"), 20 Superior, Buffalo, N. Y.**
**Northern Refrigerator Co. ("Glacier," "Furniture City"), Grand Rapids, Mich**
Northey Mfg. Co., Waterloo, Ia.
**Odorless Refrigerator Co., Chattanooga, Tenn.**
**Omaha Fixture & Supply Co., Omaha, Neb.**
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
**Ranney Refrigerator Co., Greenville, Mich.**
**Rhinelander Refrigerator Co. ("Xyno," Stone Lined), Rhinelander, Wis.**
Russ Co. (Beer & Liquor), 5700 Wolworth av, Cleveland, O.
Seegar Refrigerator Co. ("Segar" Dry Air Siphon System), Arcade & Wells, St. Paul, Minn.
Seidel Furniture Mfg. Co., 516 Barracks, New Orleans, La.
Shirk Refrigerator Co., 116 S Michigan av, Chicago, Ill.
**Steinfeld Bros., 116 W 32nd, New York**
**Stevens Benj. A. Co., Toledo, O.**
**Success Mfg. Co.** (All Steel), **Gloucester, Mass.**
**Traverse City Refrigerator Co. (Automobile), Traverse City, Mich.**

REFRIGERATORS—continued

Union Refrigerator Co., 20 W Jackson blvd, Chicago, Ill.
**Vogt Peter A. Mfg. Co., 24 Evans, Buffalo, N. Y.**
**Walrus Mfg. Co., Decatur, Ill.**
Western Cabinet & Fixture Mfg. Co., Kansas City, Mo.
**White Frost Refrigerator Co., Jackson, Mich.**
**Wisconsin Refrigerator Co., Eau Claire, Wis.**
X. L. Refrigerating Co., 1540 W 62nd, Chicago, Ill.

## 12291—Refrigerators (Dining Car, Etc.)

Bohn Refrigerator Co. ("Bohn"), 1340 Universal av, St. Paul, Minn.
Herrick Refrigerator & Cold Storage Co., Waterloo, Ia.
Seeger Refrigerator Co. ("Seeger" Dry Air Siphon System), Arcade & Wells, St. Paul, Minn.

## 12292—Refrigerators (Iceless)

**Metal Barrel Co. ("W.-M."), Galesburg, Ill.**

## Refrigerators (Metal)

See Refrigerators, etc.

## 12293—Refrigerators (Nursery)

**Chandlee H. P. Sons Co., 114 W Lombard, Baltimore, Md.**

## Refrigerators (Steel)

See Refrigerators, etc.

## 12294— Refrigerators & Cooling Rooms

**Alaska Refrigerator Co., Muskegon, Mich.**
**Baldwin Refrigerator Co., Burlington, Vt.**
Bohn Refrigerator Co. ("Bohn" Syphon System for Refrigerator & Dining Cars), 1340 Universal av, St. Paul, Minn.
**Brecht Co. (Portable), 1201 Cass av, St. Louis, Mo.**
**Cooper Madison Co. (Refrigerating Architects & Engineers), Calcium, N. Y.**
Cooper & McKee, 110 Lorimer, Brooklyn, N. Y.
Ehrlich H. & Sons Mfg. Co. (Butchers), St. Joseph, Mo.
**Elkins Refrigerator & Fixt. Co., Elkins, W. Va.**
Gloekler Bernard Co., (Refrigerators Only), 1127 Penn av, Pittsburgh, Pa.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
**Gurney Refrigerator Co., Fond du Lac, Wis.**
Heinz & Munschauer, Buffalo, N. Y.
**Illinois Refrigerator Co., Morrison, Ill.**
**Jewett Refrigerator Co., Buffalo, N. Y.**
**Lorillard Refrigerator Co., 25 W 32d, New York**
**McCray Refrigerator Co. (All Sizes & Constructions), Kendallville, Ind.**
Maine Mfg. Co., Nashua, N. H.
**Miller Mfg. Co., 8000 Alabama av, St. Louis, Mo.**
National Refrigerators Co. ("Aartite"), 827 Koeln av, St. Louis, Mo.
Northey Mfg. Co., Waterloo, Ia.
Ranney Refrigerator Co., Greenville, Mich.
Ridway Refrigerator Co., 3519 N Lawrence, Phila., Pa.
St. Louis Butchers' Supply Co., 1543 N 15th, St. Louis, Mo.
**Schwenger-Klein Co., 515 Woodland av, Cleveland, O.**
Stevens Benj. A. Co., Toledo, O.
**Wisconsin Refrigerator Co., Eau Claire, Wis.**
**Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.**

## 12295—Refrigerators & Cooling Rooms (Glass Lined)

Alaska Refrigerator Co., Muskegon, Mich.
Baldwin Refrigerator Co., Burlington, Vt.
Bohn Refrigerator Co., 1340 Universal av, St. Paul, Minn.
**Bouchard John & Sons Co., Nashville, Tenn.**
**Brecht Co., 1201 Cass av, St. Louis, Mo.**
**Cooper & McKee (Opalite), 110 Lorimer, Brooklyn, N. Y.**
Heinz & Munschauer, Buffalo, N. Y.
Herrick Refrigerator & Cold Storage Co. (Family), Waterloo, Ia.
Jewett Refrigerator Co., Buffalo,, N. Y.
Lorillard Refrigerator Co., 25 W 32d, New York
McCray Refrigerator Co. (Opal Glass Lined), Kendallville, Ind.
**Northey Mfg. Co., Waterloo, Ia.**

## 12296— Refrigerators & Cooling Rooms (Tile Lined)

**Bouchard John & Sons Co., Nashville, Tenn.**
**Brecht Co., 1201 Cass av, St. Louis, Mo.**
**Northey Mfg. Co., Waterloo, Ia.**
**White Enamel Refrigerator Co., St. Paul, Minn.**

## 12297—Regenerators (Ammonia)

**VILTER MFG. CO., 1046 Clinton, Milwaukee, Wis.** *See adv index at end of book*

## 12298—Regenerators (Steam)

**Ingersoll-Rand Co., 11 B'way, New York** *See adv index at end of book*
**Kellogg M. W. Co. (Welded Steel), 90 West, New York** *See adv index at end of book*
**Rateau Steam Regenerator Co. ("Rateau"), 90 West, New York**
**Ridgway Dynamo & Engine Co., Ridgway, Pa.**
**Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.**

## 12299—Registers (Autographic)

American Sales Book Co., Ltd. ("Amsaboco"), Elmira, N. Y.
Autographic Register Co. ("Shoup's"), Hoboken, N. J.
Costmeter Co. ("Costmeter"), 1000 Washington, Boston, Mass.
Egry Register Co., Dayton, O.
Globe Register Co., 2412 Reading rd, Cincinnati, O.
**Hainer Bookkeeping Machine Co. ("Hainer," "Triplexograph"), 45 Willard av, Providnce, R. I.**
**Hamilton Autographic Register Co., Hamilton, O.**
**International Time Recording Co. of New York, Endicott, N. Y.**
**Krauth & Benninghofen, Hamilton, O.**
**McCaskey Register Co., Alliance, O.**
Standard Register Co., Dayton, O.
United Autographic Register Co., Chicago, Ill.

## 12300—Registers (Car Fare)

See Also Boxes, Fare

**Benton Mfg. Co., 9 Bethune, New York**
Bonham Recorder Co., Hamilton, O.
**Dayton Fare Recorder Co., Dayton, O.**
**International Register Co. (Single & Double), 15 Throop, Chicago, Ill.**
Mechanical Accountant Co., 17 Warren, Providence, R. I.
Ohmer Fare Register Co. (& Taximeters), Dayton, O.
Recording & Computing Machines Co., Dayton, O.
**Rooke Automatic Register Co. ("Rooke," Automatic Hand), 17 Warren, Providence, R. I.**
**Woodman R. Mfg. & Supply Co. (Hand), 82 Sudbury, Boston, Mass.**

## 12301— Registers (Cash)

Autographic Register Co. of San Francisco, 38 Clementina, San Francisco, Cal.
Brandt-Dent Co., Watertown, Watertown, Wis.
Michigan Cash Register Co., 85 Porter, Detroit, Mich.
Michigan Machine Co. ("Michigan"), 85 Porter, Detroit, Mich.
**National Cash Register Co., Dayton, O.**
**St. Louis Cash Register Co., St. Louis, Mo.**
Standard Cash Register Co. (Autographic), North Manchester, Ind.

## 12302— Registers (Cash & Credit Autograph)

**Cashier Cash Register Co. ("Cashier"), Los Angeles, Cal.**

## 12303— *Registers (Engine)

**SCHAEFFER & BUDENBERG MFG. CO.** (Round Case), Berry & S 5th, Brooklyn, **N. Y.** *See adv index at end of book*

## 12304— Registers (Grain)

**Advance Rumely Thresher Co., La Porte, Ind.**
Huber Mfg. Co., Marion, O.
**Nichols & Shepard Co., Battle Creek, Mich.**
**Nordyke & Marmon Co., Indianapolis, Ind.**
**Port Huron Engine & Thresher Co., Port Huron, Mich.**

## 12305—Registers (Hand Tally)

Adde & Co., Portland, Me.
**Benton Mfg. Co., 9 Bethune, New York**
Pratt & Whitney Co., Hartford, Conn.
**Woodman R. Mfg. & Supply Co. 82 Sudbury, Boston, Mass.**

## 12306— Registers (Hospital)

**Universal Register Co., 226 W Ontario, Chicago, Ill.**

## 12307— Registers (Hot Air)

Atlas Heating & Ventilating Co. (Jobbers), 72 Freelon, San Francisco, Cal.
**Auer Register Co., 403 Long av, N W, Cleveland, O.**
Barber Mfg. Co., Ashtabula, O.
**Best Register Co., 15th & Oklahoma av, Milwaukee, Wis.**
**Chicago Hdw. Fdry. Co., 546 W Washington, N Chicago, Ill.**
**Columbian Hardware Co. ("Columbian" Wrought Steel), Cleveland, O.**
**Detroit Register Co., 88 E Jefferson av, Detroit, Mich.**
**Devlin Thos. Mfg. Co., Lehigh av & 3d, Phila., Pa.**
**Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.**
**Ferrosteel Co., 425 Prospect av, N W, Cleveland, O.**
**Grey Iron Casting Co., Mt. Joy, Pa.**
Hart & Cooley Co., Inc. (Wrought Steel), New Britain, Conn.
**Hess-Snyder Co. ("Snyder's"), Massillon, O**
**Highton Wm. & Sons Co. ("Highton," "O. K.," "New Sanitary," "Keystone"),** Nashua, N. H.
Independent Register & Mfg. Co., 713 Frankfort, Cleveland, O.
Keith Furnace Co., Des Moines, Ia.
**Loetscher-Ryan Mfg. Co. ("Duquque" Side Wall), Dubuque, Ia.**
**MERCHANT & EVANS CO.,** Washington & 21st, Philadelphia, Pa. *See adv index at end of book*
**Mueller L. J. Furnace Co. (Steel & Cast Iron, Wall & Floor), Milwaukee, Wis.**
Osborn J. M. & L A Co., Cleveland, O
**Phila. Hdw. & Mall. Iron Works ("Colonial"), 9th & Jefferson, Phila., Pa.**
Portland Stove Foundry Co., Portland, Me.
**Quaker Mfg. Co., 180 N Dearborn, Chicago, Ill.**
**Rhodes Mfg. Co., Grand Rapids, Mich.**
**Rock Island Register Co. ("Burgess"), Rock Island, Ill.**
**Standard Fdry. & Mfg. Co., 2717 E 75th, Cleveland, O.**
**Stearns Register Co., 111 Fort, E, Detroit, Mich.**
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
**Symonds Register Co. (Wall), St. Louis, Mo**
**Syracuse Wire Works (Wire), 101 University av, Syracuse, N. Y.**
**Tuttle & Bailey Mfg. Co. (Cast Iron, also** Wrought Steel), 2 W 45th, New York
**Union Furnace Mfg. Co., Union Furnace, Pa**
**U. S. Register Co., Ltd. ("Jones" Side Wall Ventilating, "National," "U. S." Wood), Battle Creek, Mich.**
**Walworth Run Foundry Co. (Semi-Steel), 2488 W 27th, Cleveland, O.**
**Waterloo Register Co., Waterloo, Ia.**
**Westwick John & Son, Galena, Ill.**

## 12308—Registers (Hot Water)

Atlas Heating & Ventilating Co. (Jobbers), 72 Freelon, San Francisco, Cal.
**Excelsior Steel Furnace Co., 118 S Clinton, Chicago, Ill.**

## 12309—Registers (Pressure, for Gas Works)

Connelly Iron Sponge & Governor Co., 227 Fulton, New York

## 12310—Registers (Rain, Sewer & Depth)

Ulmer J. C. Co., E 38th & Kelly, Cleveland, O.

## 12311-2—Registers (Stove Pipe)

Adams Co., Dubuque, Ia.
Loetscher-Ryan Mfg Co., Dubuque, Ia.
Stover Mfg. & Engine Co., Freeport, Ill.

## Registers (Water Stage)

See Recorders, Water Level

## 12313-4— Regulators (Air)

Hennebohle Frank (Automatic), 81st & S, Chicago av, South Chicago, Ill.
*See adv index at end of book*
Lytton Mfg. Corp. ("Lytton"), Franklin, Va.
**MASON REGULATOR CO.** ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Try-Me Mfg. Co. (Pressure), Westfield, Mass.

## Regulators (Automatic Electric Heat)

See Regulators, Heat

## 12315—Regulators (Blower, Electric)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## Regulators (Boiler Feed)

See Regulators, Feed Water

## 12315a—*Regulators (Canners Machinery)

**SARCO CO., INC.** ("Sarco"), 8 Park pl, New York *See adv index at end of book*

## 12316—Regulators (Carbonic Gas)

Bastian-Blessing Co. (High & Low Pressure), 125 W Austin av, Chicago, Ill.

## 12317— Regulators (Cold)

Baker Ice Machine Co. (For Regulating Cold Storage Room Temperatures), Omaha, Neb.

## 12318—Regulators (Compressor Electric)

Cobb Electric Appliance Co. ("Ceaco"), Boston 30, Mass.
*See adv index at end of book*
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

## 12318a—*Regulators (Constant Current)

**Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.**
*See adv index at end of book*

## 12319—Regulators (Controller Electric Railway)

Lord Mfg. Co. ("Con-tro-la-tor"), 105 W 40th, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 12320—Regulators (Damper)

See also Regulators, Furnace; also Regulators, Pressure

Acton John ("Spencer," Pattern), 118 John, Brooklyn, N. Y.
American District Steam Co., North Tonawanda, N. Y.
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
Berry Engineering Co. ("Berry"), Chester, Pa.
Burrows Mfg. Co. (Automatic), York, Pa.
Bushnell John S. & Co. ("Bushnell"), 146 Liberty, New York
Coppers Engineering & Equipment Co., ("Coppers"), Worcester, Mass.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Davis G. M. Regulator Co., 434 Milwaukee av, Chicago, Ill.
Deegan E. J. Mfg. Co., The, 756 Whitlock av, New York
**d'ESTE JULIAN CO.** ("Curtis"), 34 Canal.
*See adv index at end of book*
Diamond Power Specialty Co. ("Diamond"), Oakland & Caniff, Detroit, Mich.
Draft Regulator Co., Grosvenor bldg, Providence, R. I.
Dunham C. A. Co., 343 S Dearborn, Chicago, Ill.
Ford Thos. P. Co., 407 Broome, N. Y.
Foskett & Bishop Co. ("Clark"), New Haven, Conn.
Fulton Co. ("Ideal Sylphon"), Knoxville, Tenn.
Garrett W. D. & Co. ("Locke," "Spencer" Type), 126 Liberty, New York
**GODFREY-KEELER CO.**, 70 Warren, New York *See adv index at end of book*
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*
Hess & Barker ("Kellum" Improved), 618 Chestnut, Phila., Pa.
Highton Wm. & Sons Co., Nashua, N. H
Hoffmann B. Mfg. Co., 257 6th, Milwaukee, Wis.
Honeywell Heating Specialty Co. ("Honeywell," Automatic), Wabash, Ind.
Keeble Alex. K., Lawrence, Mass.
Kellogg-Mackay Co. (For Steam & Hot Water), 403 W 18th, Chicago, Ill.
Kelly & Jones Co. (Low Pressure & "Clarks" High Pressure), 135 Water, Pittsburgh, Pa.
Kieley & Mueller (Improved "Climax"), 34 W 13th, New York
**Kipp S. C. Jr. & Son, Ossining, N. Y.**
Kitts Mfg. Co. (Steam Boilers), Oswego, N. Y.
Kitts Steam Specialty Co., Oswego, N. Y.
Klipfel Mfg. Co., K. & T., 2651 W Harrison, Chicago, Ill.
Lawler Regulator Co. (Hot Water), 55 W Houston, New York
Lawler Water Feed & Damper Regulator, 55 W Houston, New York
**LOCKE REGULATOR CO.** (Steam), Salem Mass. *See adv index at end of book*
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
McDonough Automatic Regulator Co ("McDonough" Automatic High & Low Pressure), 716 Grand River, Detroit, Mich.
McNab & Harlin Mfg. Co. (Low Pressure) 55 John, New York
**MASON REGULATOR CO.** ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Nason Mfg. Co. (Low Pressure), 71 Fulton, New York
National Regulator Co. ("Metaphram"), 208 S Jefferson, Chicago, Ill.
Newbury J. H. (Low Pressure), Goshen N. Y.
Newbury Mfg. Co. (Low Pressure), Monroe, N. Y.
Parker Supply Co. (Damper Quadrant), 785 E 135th, New York
Power Turbo Blower Co., 347 Madison, New York
Powers Regulator Co., 5 S Wabash av, Chicago, Ill.
Robertson Jas. L. & Son, 78 Murray, New York
Ruggles-Klingemann Mfg. Co. ("R-K"), Salem, Mass.
Rutzler Enoch Co. ("Clarke's" Pressure), 404 E 49th, New York
Smillie C. M. & Co., 130 E Larned, Detroit, Mich.
Spencer Regulator Co., Salem, Mass.
Stillman Carmichael Co. ("Stillman-Carmichael"), 19 Pearl, Boston, Mass.
Taylor Instrument Cos. ("Tycos"), Rochester, N. Y.
Thompson Richard & Co. ("Thompson" High or Low Pressure), 126 Liberty, New York
Turner Heating Co., 143 Eddy, Providence, R. I.
Watts Regulator Co. ("The Watts Lawrence"), Lawrence, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
**WINCHELL H. C.**, 20 E Jackson blvd, Chicago, Ill.
Wing L. J. Mfg. Co. ("Wydawake"), 353 W 13th, New York

## 12321—*Regulators (Dynamo Field)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 12322—Regulators (Electric Fan)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Nason Mfg. Co., 71 Fulton, New York.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## Regulators (Electric Pump)

See Governors, Electric Pump

## 12323—Regulators (Exhaust Pressure)

**LUNKENHEIMER CO.** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*

## 12324—Regulators (Fan Engine)

Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
Cobb Electric Appliance Co. ("Ceaco"), Boston, 30, Mass.
*See adv index at end of book*
Davis G. M. Regulator Co., 434 Milwaukee av, Chicago, Ill.
Foster Engineering Co., 109 Monroe, Newark, N. J.
Garrett W. D. & Co., 118 E 28th, New York
Mason Regulator Co ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Nason Fred W. Co., 39 Cortlandt, New York
Nason Mfg. Co., 71 Fulton, New York
Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
Standard Regulator Co. ("Victor"), 282 South Newark, N. J.
Strong Carlisle & Hammond Co. ("Strong"), 336 Frankfort av N W, Cleveland, O.
Watson & McDaniel Co. (For Steam, Water & Air), 146 N 7th, Phila., Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Ziermore Regulator Co. ("Ziermore") Johnsonburg, Pa.

## 12325—Regulators (Feed Water)

See also Governors, Pump

Cleveland Feed Water Regulator Co., Tennyson rd, Cleveland, O.
Berry Engineering Co. ("Berry"), Chester, Pa.
Bordo L. J. Co. ("Bordo" Feed Water Governor), 12th & Thompson, Phila., Pa.
Burrows Mfg. Co. ("Burrows"), York, Pa.
Chaplin-Fulton Mfg. Co. ("Vigilant"), 34 Penn av, Pittsburgh, Pa.
Defender Automatic Regulator Co., Howard bldg, St. Louis, Mo.
Elliott B. K. Co. ("Liberty"), 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Erie Pump & Equipment Co. ("Copes" Boiler Feed), Erie, Pa.
Fogarty James H. ("Fogarty-Thoens"), 126 Liberty, New York

REGULATORS (FEED WATER)—continued)

Ford Thos. P. Co., 407 Broome, New York
Foster Engineering Co. (Automatic), 109 Monroe. Newark, N. J.
**Indiana Mach. Co., (Automatic First Break Feed Governors) Hagerston, Ind.**
Kitts Mfg. Co. (Safety), Oswego, N. Y.
Lawler Water Feed & Damper Regulator Co., 55 W Houston, New York
*See adv index at end of book*
Locke Regulator Co., Salem, Mass.
*See adv index at end of book*
**McDonough Automatic Regulator Co. ("McDonough" Auxiliary & Safety), 716 Grand River, Detroit, Mich.**
Northern Equipment Co. ("Copes" Boiler Feed), 111 W 11th, Erie, Pa.
**"S.-C." REGULATOR MFG. CO.** ("S.-C." Feed Water Regulators Continued), Fostoria, O.
**Squires C. E. Co., 3934 Kelly av, Cleveland, O.**
**Steigert L. Co. (Automatic), Logan & Elder, Cincinnati, O.**
Strong Carlisle & Hammond Co., 936 Frankfort av N W, Cleveland, Ohio
**Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.**
Watts Regulator Co. ("Watts"), Lawrence, Mass.
**Weld Geo. A. Co., 79 Milk, Boston, Mass.**
**Williams Gauge Co. ("Williams," Automatic Safety), 543 4th av, Pittsburgh, Pa.**
Wiltbonco Mfg. Co., 24 Porter, Boston, Mass.
**WINCHELL H. C.,** 20 E Jackson blvd, Chicago, Ill.
**Witt G. E. Co., 862 Howard, San Francisco, Cal.**
Wright-Austin Co. ("Murray"), 27 Woodbridge, W. Detroit, Mich.
Ziermore Regulator Co. ("Ziermore"), Johnsonburg, Pa.

## 12326—*Regulators (Feeder Voltage)

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
*See adv index at end of book*

## 12327—Regulators (Flush Tank)

Modern Iron Works ("IXL" "M. I. W.") Quincy, Ill.

## 12328—Regulators (Fuel, Oil or Gas)

Chaplin-Fulton Mfg. Co. (Boiler Fuel), 34 Penn av, Pittsburgh, Pa.
Luther Mfg. Co., Olean, N. Y.
**MASON REGULATOR CO.** ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Wilgus Mfg. Co., 229 Boyd, Los Angeles, Cal.
Ziermore Regulator Co. ("Ziermore"), Johnsonburg, Pa.

## 12329-30—Regulators (Furnace)

**BRISTOL CO.** ("Bristol" Gas, Oil & Electric), Waterbury, Conn.
*See adv index at end of book*
Farquhar Furnace Co. ("Farquhar"), Wilmington, O.
Kees F. D. Mfg. Co. ("Kees," "Fuelsaver"), Beatrice, Neb.
Lawler Regulator Co., 55 W Houston, New York
Puffer W. E. & Sons, 234 Water, New York
**Quaker Mfg. Co. (Furnace Time Regulators), 180 N Dearborn, Chicago, Ill.**
Ridgeway Furnace Co., 80 Beverly, Boston, Mass.
Riverside Mfg. Co., 162 Riverside av, Newark, N. J.
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*
Rowe L. L., 74 Portland, Boston, Mass.
**WINCHELL H. C.,** 20 E Jackson blvd, Chicago, Ill.
Witt G. E. Co., 862 Howard, San Francisco, Cal.
Woodward Frank E. & Co. ("Fowler," Automatic Draft Regulator for Furnaces, Heaters, etc), 19 Friend, Boston, Mass.

## 12331—Regulators (Gas Burner)

Brand Chas. F., 16th & Jacob, Wheeling, W. Va.
**PECK & YOUNG MFG. CO.,** Station Bristol, Forestville, Conn.
*See adv index at end of book*

## 12332—Regulators (Gas Pressure)

Bacharach Herman, Pittsburgh, Pa.
Baylis Co. ("Colonial"), Bloomfield, N. J.
Bishop & Babcock Co. (Carbonic Acid) 1204 E. 55th, Cleveland, O.
Boyce Myron J., 1 Bethune, New York
Brand Chas. F., 16th & Jacob, Wheeling, W. Va.
Bryant Heater & Mfg. Co. ("Bryant"), **952 E 72nd, Cleveland, O.**
Chaplin-Fulton Mfg. Co. ("Fulton"), 34 Penn av, Pittsburgh, Pa.
Chowning Regulator Corp., Corning, N. Y.
Equitable Meter Co. ("Crawford" Sensitive), **424 1st av, Pittsburgh, Pa.**
Evans Mfg. Co. (Ltd.), Butler, Pa.
Foster Engineering Co., 109 Monroe, Newark, N. J.
Gilfillian F. C., Ebenezer, N. Y.
Hennebohle Frank, 81st S. Chicago av, South Chicago, Ill.
*See adv index at end of book*
**Hugo Mfg. Co., Duluth, Minn.**
Illinois Engineering Co. ("Eclipse"), W 21st & S Racine avs, Chicago, Ill.
**Imperial Brass Mfg. Co., 524 S Racine av,** Chicago, Ill. *See adv index at end of book*
**Jacobson Machine Mfg. Co., Warren, Pa.**
**Luther Mfg. Co., Olean, N. Y.**
**Lytton Mfg. Corp. ("Lytton"), Franklin, Va.**
**Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.**
*See adv index at end of book*
Mueller H. Mfg. Co., Decatur, Ill.
National Gas Governor Co., 56 W 45th, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
**Perfect Gas Controller & Fixture Co.,** 10550 Perfect av, Chicago, Ill.
Powers Regulator Co. (Natural Gas), 5 S Wabash av, Chicago, Ill.
**Reynolds Gas Regulator Co. (Low Pressure for Natural Gas), Anderson, Ind.**
Sprague Meter Co., Bridgeport, Conn.
Union Water Meter Co., Worcester, Mass.
**WINCHELL H. C.,** 20 E Jackson blvd, Chicago, Ill.
Wright Geo. W., Lapel, Ind.
Ziermore Regulator Co. ("Ziermore"), Johnsonburg, Pa.

## 12333—*Regulators (Generator Voltage)

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*

## 12334— Regulators (Heat)

See also Thermostats

American Thermostat Co. ("Marvel"), 226 Jelliff av, Newark, N. J.
Atwood & Morrill ("XX Century"), 48 Loring av, Salem. Mass.
Bartlett Bros. Co. ("Thermograph"), Cleveland, O.
Beers Bros., Rochester, N. Y.
**BRISTOL CO.** ("Bristol," Automatic High Temperature), Waterbury, Conn.
*See adv index at end of book*
Chicago Heat Regulator Co. ("Chicago"), 1801 Diversey Parkway, Chicago, Ill.
Dahl Mfg. Co. ("Dahl-Mo-Stat"), Minneapolis, Minn.
**d'ESTE JULIAN CO** ("Curtis" for Steam), 26 Canal, Boston, Mass.
*See adv index at end of book*
Electric Heat Regulator Co. ("Minneapolis"), **2753 4th av, S Minneapolis,** Minn.
Fulton Co. ("Ideal Sylphon"), Knoxville, Tenn.
Homan J. & E., 435 W B'way, New York
Illinois Malleable Iron Co. ("Chicago"), 1801 Diversey blvd, Chicago, Ill.
Jewell Mfg. Co., Auburn, N. Y.
Johnson Heat Regulating Co., 14 N 12th, St. Louis, Mo.
Johnson Service Co. ("Johnson" System of Temperature Regulation), 149 Michigan, Milwaukee, Wis.
Klipfel Mfg. Co. ("Swan"), 2651 W Harrison, Chicago, Ill.
**Lawler Regulator Co., 55 W Houston, New** York
Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
Locke Elec. Mfg. Co., 8229 Blackstone, Chicago, Ill.
Locke Regulator Co. ("Locke's" Office Heating), Salem, Mass.
*See adv index at end of book*
**Mack Automatic Heat Regulator Co. (Automatic), 120 E Woodbridge, Detroit, Mich.**
**Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.**
*See adv index at end of book*
**Minneapolis Heat Regulator Co. ("Minneapolis"), 2753 4th av S, Minneapolis,** Minn.
**National Regulator Co. (For Control of Dampers & Vlaves in a Heating Apparatus), 208 S Jefferson, Chicago, Ill.**
Powers Regulator Co., 5 S Wabash av, Chicago, Ill.
**SARCO CO., INC.** ("Sarco"), 8 Park pl, New York. *See adv index at end of book*
Scientific Instrument Co. (Automatic), Marquette bldg., Detroit, Mich.
Taylor Instrument Cos. ("Tycos"), Rochester, N. Y.
**Thermograde Valve Co., 247 Atlantic av, Boston, Mass.**
Watts Regulator Co. ("Watts") Lawrence, Mass.
Weld Geo. A. Co., 79 Milk, Boston, Mass.
**WINCHELL H. C.,** 20 E Jackson blvd, Chicago, Ill.
Woodward Frank E. & Co. ("Fowler" Automatic Draft Regulator), **19 Friend, Boston, Mass.**

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Electric Heat Regulator Co. ("Minneapolis"), **2753 4th av, S Minneapolis, Minn.**
Fulton Co. ("Ideal Sylphon"), Knoxville, Tenn.
**Honeywell Heating Specialty Co., Wabash, Ind.**
Johnson Service Co. ("Johnson"), 149 Michigan, Milwaukee, Wis.
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**Lawler Regulator Co., 55 W Houston, New** York
Minneapolis Heat Regulator Co., 2753 4th **av, South Minneapolis,** Minn.
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Powers Regulator Co., 5 S Wabash av, Chicago, Ill.
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**WINCHELL H. C.,** 20 E Jackson blvd, Chicago, Ill.

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Parks G. M. Co., Fitchburg, Mass.
Powers Regulator Co., 5 So Wabash av., Chicago, Ill.

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Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
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Johnson Service Co. ("Johnson" Thermostat), 149 Michigan, Wilwaukee, Wis.
Locke Regulator Co., Salem, Mass.
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Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
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Waters Governor Co., 141 Milk, Boston, Mass.

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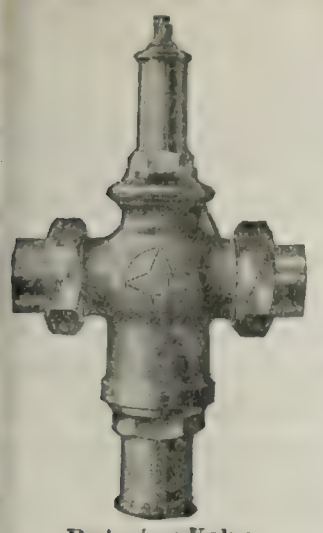
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American Steam Gauge & Valve Mfg. Co. ("American Universal" Safety Pressure & Speed), 208 Camden, Boston, Mass.
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Boylston Steam Specialty Co. ("Boylston"), 116 W Illinois, Chicago, Ill.
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Nageldinger J. & Son, 407 E 91st, New York
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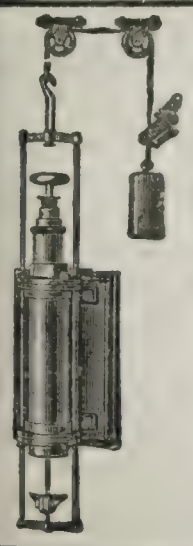

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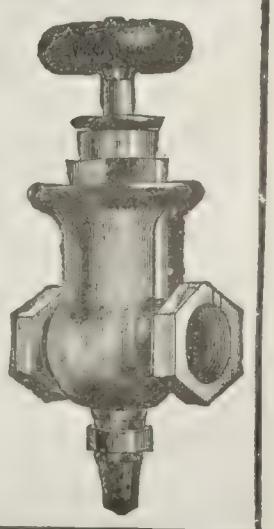

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**Standard Regulator Co. ("Victor"), 282** South, Newark, N. J.
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Buda Co. ("Buda"), Railway Exchange bldg, Chicago, Ill.
Fox Bros. & Co., 126 Lafayette, New York.
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Kalamazoo Railway Supply Co., Kalamazoo, Mich.
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**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
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Dover Mfg. Co., Dover, O.
**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
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Nichols-Lintern Co., 8404 Lorain av, Cleveland, O.
Railroad Supply Co., 203 S. Dearborn, Chicago, Ill.
Railway & Industrial Engineering Co., Peoples Bk Bldg., Pittsburgh, Pa.
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**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
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Wirt Co. ("Di-El-Ite"), Germantown Phila., Pa.

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National Carbon Co., Madison av, N W & N 117th, Cleveland, O.
Republican Carbon Co. (Granular) Niagara Falls, N. Y.

## 12379—Resistors (Standard)

**CUTLER-HAMMER MFG. CO.,** (Arc Lamp), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Industrial Controller Co. ("I. C."), 890 Greenbush, Milwaukee, Wis.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Wirt Co., Germantown, Philadelphia, Pa.

## 12379a— Resorcinol

American Synthetic Color Co., Stamford, Conn.
Mallinckrodt Chem. Wks., 2d & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York

## 12380— Respirators

See also Helmets, Smoke & Ammonia

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Chicago Eye Shield Co. ("Chicago," "Spencerian"), 2300 Warren av, Chicago, Ill.
Cover H. S. (Metal or Rubber), South Bend. Ind.
General Scientific Equip. Co., Inc., North Phila., Pa.
Goodrich B. F. Co. (Rubber), Akron, O.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hayward S. F. & Co. ("Westfalia" Automatic), 250 W 54th, New York
Improved Aluminum Gasco Protector Co. ("Gasco" Safety Devices for Gas, Smoke, Ammonia, etc), 1103 North av, Waukegan, Ill.
Johnson, A. W. V., Merchants Exchange bldg, San Francisco, Cal.
Life Saving Devices Co. ("Lungmotor" Mechanical), 710 W Madison, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Multi Metal Separating Screen Co. ("Pulmosan"), 251 W 19th, New York
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Schwenker W. M., 342 E 92d, New York
Soderling Walter, Inc. ("Dustite"), 347 West Broadway, New York

## 12381-2— Rests (Bow)

Backstay Machine & Leather Co., Union City, Ind.
Cowles C. & Co., New Haven, Conn.
Detroit Socket Co., 834 Jefferson, Detroit, Mich.
Eberhard Mfg. Co., C. & P. Ry. & Tennyson rd, Cleveland, O.
Essex Brass Foundry Co, Cambridge, Mass.
Gilliam Co., Canton, O.
Highton Wm. & Sons Co., Nashua, N. H.
Jonah & George, Merrimac, Mass.
Keeler Brass Co., Grand Rapids, Mich.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
O'Brien Jos. F. Mfg. Co., 391 B'way, New York
Perkins-Campbell Co., 622 B'way, Cincinnati, O.
Smith Jos. N. & Co., 2461 E Grand blvd, Detroit, Mich.
Thomson Mfg. Co. ("Bow Hold Fast"), Watertown, Mass.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.
Wiener-Barnet Co., 328 Adams, Newark, N. J.
Woodruff Walter W. & Sons Co. Mt. Carmel, Conn.

## 12383— Rests (Pipe)

Grahler Mfg. Co., Cleveland, O.
Modern Iron Works( Soil Pipe), Quincy, Ill.
Oberle J. F., 238 E 42nd, New York

## 12384—Rests (Violin Chin)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 12385— Retainers (Ball)

Bearings Company of America ("Star") Thrust, Magneto, Radial, Cup & Cone) Lancaster, Pa.
Bossert Corp. (The), cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
Crosby Co., 183 Pratt, Buffalo, N. Y.
Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.

RETAINERS (BALL)—continued

Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
New England Pressed Steel Co., Natick, Mass.
Unique Findings & Supply Co., 36 Garnet, Providence, R. I.
Worcester Pressed Steel Co., Worcester, Mass.

## 12385a—*Retainers for Veneers (Patented)

Elmes Chas. F. Eng. Wks., Inc., cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*

## 12386—Retarders (Railroad Car)

Fairmont Mining Machy. Co., Fairmont, W. Va.

## 12387— Retorts (Cannery)

Baker Iron Wks., Los Angeles, Cal.
Seattle-Astoria Iron Works, Seattle, Wash.
Universal Engineering Co. ("Dundon's," Adapted for Fish, Meat, Fruit & Vegetables), 462 Fillmore, San Francisco, Cal.
Vance & Baker Mfg. Co. (for Fish, Cereals, Fruits, Vegetables, etc), Muscatine, Ia.

## 12388— Retorts (Cast Iron)

**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Duisdieker Fdry. & Mfg. Co. (For Glucose), Pekin, Ill.
Philadelphia Roll & Machine Co. (Steel & Iron), 25th & Washington av, Phila., Pa.
Sperry D. R. & Co., Batavia, Ill.

## 12389— Retorts (Chemical)

Bay State Crucible Co., Taunton, Mass.
Bethlehem Fdry. & Mach. Co., S Bethlehem, Pa.
Bridgeport Crucible Co. (Clay Lined Graphite), Bridgeport, Conn.
Devine J. P. Co., Buffalo, N. Y.
Finch Mfg. Co., Scranton, Pa.
Foreign Crucibles Corp., Ltd. (Importers), (Graphite for Zinc), Church & Fulton, New York *See adv index at end of book*
Fulton Fdry. Co., 1209 Marquette av, Cleveland, O.
General Ceramics Co. (Stoneware), 50 Church, New York
Laclede-Christy Clay Prod. Co., Railway Ex. bldg, St. Louis, Mo.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Struthers-Wells Co., Warren, Pa.
Stuart & Peterson Co. (Cast Iron), Burlington, N. J.
Thermal Syndicate, Ltd. (Fused Silica), 59 E 41st, New York
United States Stoneware Co. (Glazed Stoneware), Akron, Ohio

## 12390— Retorts (Gas)

American Refractories Co. (Silica), Union Arcade bldg, Pittsburgh, Pa.
Baltimore Retort & Fire Brick Co., cor. Nicholson, Baltimore, Md.
Borgner Cyrus Co., 234 N 23d, Philadelphia, Pa.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Chicago Retort & Fire Brick Co., Ottawa, Chicago, Ill.
Didier-March Co. (Glover-West Vertical System, also Horizontal & Inclined Types, Water Gas Linings & Checkers), Perth Amboy, N. J.
Gardner Jas. Jr. Co., Lockport Station, Pa.
Gas Machinery Co., 1900 Euclid av, Cleveland, O
Gautier J. H. & Co. (Clay), 1 Greene, Jersey City, N. J.
Harbison-Walker Refractories Co. ("H. W. Ricon," High Silica for Coal Gas Benches & Water Gas Plants, etc); Also Fire Clay Shapes for Regenerators, Fixers, Carburetors & Checkers), Farmers' Bank bldg, Pittsburgh, Pa.
Kreischer Brick Mfg. Co., Kreischerville, S. I., N. Y.
Laclede-Christy Clay Prod. Co., Manchester & Sulphur avs, St. Louis, Mo.
Louisville Fire Brick Works, Highland Park, Louisville, Ky.
Parker-Russell Mining & Mfg. Co., Laclede Gas Light bldg, St. Louis, Mo.
Phila. Fire Brick Works, 2306 Vine, Phila., Pa.

## 12390a—*Retorts (Gold and Silver Melting)

**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 Broadway, New York
*See adv index at end of book*

## 12390b—Retorts (Nitric Acid)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Stevens Bros., 149 B'way, New York

## 12391— Retorts (Platinum)

Bishop J. & Co., Malvern, Pa.

## 12392—Retorts (Turpentine)

Lummus Walter E. Co., 171 Milk, Boston, Mass.
Struthers-Wells Co. (Also Wood & Alcohol), Warren, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

## 12393—Retorts (Wood Bending)

Perfection Wood-Steaming Retort Co., Parkersburg, W. Va.

## 12394— Revolver Mfrs.

Ames Sword Co. ("Protector"), Chicopee, Mass.
Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
Davis-Warner Arms Co., 96 Chambers, New York
Harrington & Richardson Arms Co. ("M. & R." Self-Loading Automatic), Worcester, Mass.
Hopkins & Allen Arms Co. ("H. & A."), (Br. of Marlin-Rockwell Corp.), Norwich, Conn.
Johnson's Iver Arms & Cycle Works ("Iver Johnson," "Hammer the Hammer"), Fitchburg, Mass.
Savage Arms Corp., Utica, N. Y.
Sedgley R. F. ("Baby" Hammerless), 2311 N 16th, Phila., Pa.
Smith Otis A., Rockfall, Conn.
Smith & Wesson, Springfield, Mass.
Stevens J. Arms & Tool Co., Chicopee Falls, Mass.

## 12395— Rheostats

Allen-Bradley Co. ("Allen-Bradley" Motor, Starting Speed Regulator, Battery, Charges, Lamp Dimmers, Field & Laboratory Rheostats, etc), 495 Clinton, Milwaukee, Wis.
Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Automatic Switch Co., 4 White, New York
Bennett-O'Connell Co., 3600 So. Morgan, Chicago, Ill.
Campbell Elec. Co., 17 Stewart, Lynn, Mass.
Crown Rheostat & Supply Co., 15 S Desplaines, Chicago, Ill.
Cushman Electric Co. (Compound Starting & Regulating), Concord, N. H.
**CUTLER-HAMMER MFG. CO.** (For all Purposes), 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Darrin D. H. ("The Whittingham"), 4 White, New York
D. & D. Elec. Co., 53 W 3rd, New York
Detroit Fuse & Mfg. Co. (Motor Starting), 1400 Rivard, Detroit, Mich.
**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O. *See adv index at end of book*
**GENERAL ELECTRIC CO.** (for Generators, Motors & Projectors), Schenectady, N. Y.
*See adv index at end of book*
Giant Powder Co., Cons, San Francisco, Cal. *See adv index at end of book*
**HERCULES POWDER CO.** ("Hercules") Blasting Machine Tester) Wilmington, Del. *See adv index at end of book*
Industrial Controller Co. ("I. C.," Motor Starting, etc.), 890 Greenbush, Milwaukee, Wis.
International Instrument Co. (Water), 23 Church, Cambridge, Mass.
Jewell Elec. Co., Munsey Bldg., Baltimore, Md.
Knoeller Electric Co., De Pere, Wis.
Knott L. E. Apparatus Co. (Lamp Resistance with Units, also Plug Resistance Boxes), 79 Amherst, Cambridge, Mass.
Leonard-Bundy Electric Co., 433 Champlain av, Cleveland, O.
Lincoln Electric Co., Cleveland, O.
Lockport Chemical Works (Crown), Lockport, Ill.
Monitor Controller Co. (Automatic Motor Starting), 514 E Lombard, Baltimore, Md.
National Electric Controller Co., 154 Whiting, Chicago, Ill.
Northern Eng'ng Works, 120 Liberty, New York
Rowan Controller Co., 308 N Holliday, Baltimore, Md.
Schaefer Bros. Co., 1059 W 11th, Chicago, Ill.
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
Taigman M., 462 W Broadway, New York
Troy Electrical Co., Troy, N. Y.
Union Elec. Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.
Vesta Accumulator Co. ("Vesta," Charging for Automobiles, etc.), 2100 Indiana av, Chicago, Ill.
Ward Leonard Electric Co., Mount Vernon, N. Y.
Warren Products Co., 265 Canal, New York *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Wirt Co. ("Dim-a-Lite"), Germantown, Philadelphia, Pa.

## 12396—Rheostats (Battery Charging)

Allen-Bradley Co. ("Allen-Bradley"), 286 Greenfield av, Milwaukee, Wis.
**CUTLER-HAMMER MFG. CO.**, 12th & St. St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Electric Products Co. ("Wotton"), Clarkstone rd, Cleveland, Ohio
Enterprise Optical Mfg. Co. (For Moving Pictures), 564 W Randolph, Chicago, Ill.
Fairbanks-Morse Electrical Mfg. Co., Indianapolis, Ind.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Hallberg J. H. (Economizer for Moving Pictures), 1604 B'way, New York
Leonard-Bundy Electric Co., 433 Champlain av, Cleveland, O.
Marcuson E. ("Withan"), 70 Cortland, New York
Union Elec. Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.
Ward Leonard Electric Co., Mount Vernon, N. Y.
Westburg Engng. Co., 53 W Jackson blvd, Chicago, Ill.
Western Electric Co., 463 West, New York
Western Electro Mechanical Co., Oakland, Cal.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 12397— Rheostats (Field)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
National Electric Controller Co., 154 Whiting, Chicago, Ill.
Union Elec. Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.
Ward Leonard Electric Co. (Generator), Mount Vernon, N. Y.
**WESTINGHOUSE ELECTRIC & MFG CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 12398—*Rheostats (Meter Testing)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

## 12399—Rheostats (Motor Charging, Starting & Speed Controlling)

See also Rheostats

Allen-Bradley Co. ("Allen-Bradley"), 495 Clinton, Milwaukee, Wis.

Allis-Chalmers Mfg. Co. (Auto-Starters), Milwaukee, Wis.
Automatic Switch Co. ("Wittingham"), 4 White, New York
Barkelew Electric Mfg. Co., Middletown, Ohio
**CUTLER-HAMMER MFG. CO.** ("Schureman"), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O.
*See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Lincoln Electric Co., Cleveland, O.
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
New York Electric Controller Co., 35 Rose, New York
Reno-Kaetker Electric Co. ("Reliance"), 701 Gerke bldg, Cincinnati, O.
Schaefer Bros. Co., 1059 W 11th, Chicago, Ill.
Triumph Electric Co., Oakley, Cincinnati, Ohio
Union Elec. Mfg. Co. ("Uemco"), 110 Reed, Milwaukee, Wis.
Ward Leonard Electric Co., Mount Vernon, N. Y.
Westburg Engng. Co., 53 W Jackson blvd, Chicago, Ill.
**WESTINGHOUSE ELECTRIC MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 12400—Rheostats (Stage Dimming)

Allen-Bradley Co., 495 Clinton, Milwaukee, Wis.
Universal Electric Stage Lighting Co. ("Kliegl"), 240 W 50th, New York
Ward Leonard Electric Co., Mt. Vernon, N. Y.
Westburg Engng. Co. (Inc.), 53 W Jackson blvd, Chicago, Ill.
Wirt Co., Germantown, Phila., Pa.

## 12401— Rhodium

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co., Platinum Works, Malvern, Pa.
Foote Mineral Co., Inc., Phila., Pa.

## 12402—Ribbon Cutting Machines

Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*

## 12402a—Ribbon (Resistance Nickel & Nickel Alloy)

Electrical Alloy Co. ("Lucero"), Morristown, N. J.
Nickel Alloys Co., Oliver bldg, Pittsburgh, Pa.

## 12403— Ribbon (Sash)

Caldwell Mfg. Co. ("Acme" Aluminum, Brass, Bronze & Steel), Rochester, N. Y.
Gardner Sash Pulley Co. ("Gardner's" Steel), 15 N Jeff., Chicago, Ill.

## 12404-5— Rice Mills

### ARKANSAS.

CARLISLE—Carlisle Rice Mill Co.
DE WITT—De Witt Rice Mill Co.
LONOKE—Lonoke Rice Mill Co.
STUTTGART—Stuttgart Rice Mill Co.

### CALIFORNIA.

SAN FRANCISCO—North American Mercantile Co., 330 Front

### LOUISIANA.

ABBEVILLE—Steen Rice & Cotton Mill Co.
United Irrigation & Rice Milling Co. (See New Orleans)
CROWLEY—American Rice Milling Co.
Louisiana State Rice Milling Co.
Standard Milling Co. (See Houston, Tex.)
ESTERWOOD—United Irrigation & Rice Milling Co. (See New Orleans, La.)
GUEYDAM—United Irrigation & Rice Milling Co. (See New Orleans, La.)
IOTA—La. State Rice Milling Co. (See New Orleans, La.)
LAKE ARTHUR—La. State Rice Milling Co. (See New Orleans, La.)
LAKE CHARLES—Lake Charles Rice Milling Co. (of Louisiana)
Wall Rice Packing Co. Ltd. (See New Orleans, La.)
NEW ORLEANS—Empire Rice Milling Co., Ltd., 1676 Tchoupitoulas
Levy Rice Milling Co., 443 Julia
La. State Rice Milling Co., Montegut & Chartress. Works: Lake Arthur, La.
Rickert's Rice Mills, 210 Girod
Socola Rice Milling Co., 600 Decatur
Southern Rice Milling Co., 325 N. Peters
United Irrigation & Rice Milling Co.
Wall Rice Packing Co. (Ltd.)

### OREGON.

PORTLAND—Portland Rice Milling Co.

### SOUTH CAROLINA.

CHARLESTON—West Point Mill Co.

### TENNESSEE.

MEMPHIS—Memphis Rice Mill

### TEXAS.

BAY CITY—Bay City Rice Milling Co.
BEAUMONT—Atlantic Rice Mills Co.
Beaumont Rice Mills
McFaddin Rice Milling Co.
EAGLE LAKE—International Rice Mills Co.
GALVESTON—Seaboard Rice Milling Co
HOUSTON—Industrial Rice Mill Co.
Pritchard Rice Milling Co.
Texas State Rice Milling Co.
ORANGE—Orange Rice Mill Co.

## 12406—Rice Shoes (Brewers')

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.

## Rickerts (Hay)

See Rakes, Sweep, etc

## 12407— Riddles (Foundry)

See also Riddles & Sieves

Berkshire Mfg. Co. ("Berkshire" Rotary), Whitney Power bldg, Cleveland, O.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Champion Foundry & Machine Co., ("Champion" Electric Sand), 2419 W 14th, Chicago, Ill.
Combined Supply & Equipment Co., 766 Grant, Buffalo, N. Y.
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Fisher & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Great Western Mfg. Co. ("Combs" Gyratory), Leavenworth, Kans.
Hall-Holmes Mfg. Co. ("Grand"), Jackson, Mich.
Hanna Engineering Works ("Hanna"), 1764 Elston av, Chicago, Ill.
Jelliff C. O. Mfg. Corp. ("Neversag"), Southport, Conn.
Morss & Whyte Co., Sidney & Pilgrim, Cambridge, Mass.
**NEWARK WIRE CLOTH CO.**, 223 Verona av, Newark, N. J.
*See adv index at end of book*
Obermayer S. Co., 2563 W 18th, Chicago, Ill.
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith John P. & Co., New Haven, Conn.
Stevens Frederic B., 3d & Larned, Detroit, Mich. *See adv index at end of book*
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
**TYLER W. S. CO.**, Cleveland O.
*See adv index at end of book*
Waterbury Welding Co. ("A I C"), Waterbury, Conn.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.
Worthington Pump & Machinery Corp. (Steam, Pneumatic or Electric), 115 B'way, New York
*See adv index at end of book*

## 12408— *Riddles (Miners')

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*

## 12409— Riddles & Sieves

Brand S. H. Co. (Nickel Plate), 559 W Lake, Chicago, Ill.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Darby Edward & Sons Co., 412 N 18th, Phila., Pa.
Dufur & Co., 311 N Howard, Baltimore, Md.
**ERDLE PERFORATING CO.**, 181 York Rochester, N. Y.
*See adv index at end of book*
Estey Wire Works Co., 34 Cliff, New York
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton, New York
Jelliff C. O. Mfg. Corpn., Southport, Conn.
Kraft A. C., 323 W Lake, Chicago, Ill.
Ludlow-Saylor Wire Co., Newstead av cor Wabash R R. St. Louis, Mo.
**MEYERS FRED J. MFG. CO., Hamilton, O.**
*See adv index at end of book*
Morss & Whyte Co., Sidney & Pilgrim, Cambridge, Mass.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
**PHOENIX WIRE WORKS**, Kirby & Dequindre, Detroit, Mich.
*See adv index at end of book*
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
Tristram Jas. J., Rockville Centre, N. Y.
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Wickwire Spencer Steel Corp. ("Excelsior" Steel, Brass, etc), Worcester, Mass.
*See adv index at end of book*

## 12410—Ridge Roll (Plain or Corrugated)

Berger Mfg. Co. (Also Ornamental), Canton, O.
Brier Hill Steel Co., Youngstown, O.
Canton Art Metal Co., Canton, O.
Conner Chas. H. & Co., Louisville, Ky.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Florida Metal Products Co., Jacksonville, Fla.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Kanneberg Roofing & Ceiling Co., Canton, O.
Klauer Mfg. Co. Dubuque, Ia.
Lupton's David Sons Co., Allegheny av & Tulip, Phila., Pa.
Lyon, Conklin & Co. (Plain), 19 Balderston, Baltimore, Md.
Messenger Parks Mfg. Co., Aurora, Ill.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Newport Rolling Mill Co., Newport, Ky.
Ohio Corrugating Co., Warren, O.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Trumbull Steel Co., Warren, O.
Whitaker-Glessner Co., Wheeling, W. Va.
York Corrugating Co., York, Pa.

## 12411—Ridgers (Asparagus)

Bateman Mfg. Co. ("Iron Age" Riding), Grenloch, N. J.

## 12412— Rifflers

See Also File & Rasp Mfrs.

Disston Henry & Sons, Tacony, Phila., Pa.
Dixon Wm. (Imp.), 39 John, New York
Montgomery & Co. ("Grobet," Imp.), 105 Fulton, New York

## 12413— Rifles (Air)

Benjamin Air Rifle Mfg. Co., St. Louis, Mo.

RIFLES (AIR)—continued

**Daisy Mfg. Co. ("Daisy"), Plymouth, Mich.**
**Kohler Die & Specialty Co., De Kalb, Ill.**
**Markham Air Rifle Co., Plymouth, Mich.**
**Quackenbush H. M., Herkimer, N. Y.**

## 12413a—Rifles (Automatic Toy)

**EDWARDS MFG. CO.** (Repeating Paper Cap), 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*
Rockaway Mfg. Co. ("Scout" Repeating Paper Cap), 421-41 Culvert, Cincinnati, O. *See adv index at end of book*

## 12413b— Rifles (Dummy)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 12414— Rifles, Guns, Etc.

**Ames Sword Co. ("Protector" Revolvers), Chicopee, Mass.**
Baker Gun & Forging Co., Batavia, N. Y.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
**Butler Mfg. Co., Indianapolis, Ind.**
**Colt's Patent Fire Arms Mfg. Co. (Automatic Pistols, Rapid Fire Machine Guns & "Bene-Mereier" Rifles), Hartford, Conn.**
**Crescent Fire Arms Co. (Single & Double Barrel Shot Guns), Norwich, Conn.**
Davis-Warner Arms Co. ("Davis" Shot Guns), 96 Chambers, New York
Detroit Auto Piston Co., 285 W Baltimore, Detroit, Mich.
Driggs Ordnance & Mfg. Corp. (Rapid Fire Machine Guns), New Haven, Conn.
**Folsom H. & D. Arms Co. (Shot Guns, Rifles, etc), 314 B'way, New York**
**Fox A. H. Gun Co. ("A. H. Fox" Guns), 4700 N 18th, Phila., Pa.**
**General Ordnance Co. (Aeroplane), Derby, Conn.**
**Hamilton C. J. & Son (22 Powder Guns), Plymouth, Mich.**
**Harrington & Richardson Arms Co. (Guns & Pistols), Worcester, Mass.**
Hopkins & Allen Arms Co. (Br. of Marlin-Rockwell Corp.) (Revolvers, Rifles & Shot Guns), Norwich, Conn.
Hunter Arms Co. ("L. C. Smith" "Smith," "Fulton" Shot Guns, Hammerless & Hammer Breech Loading Guns), Fulton, New York
Ithaca Gun Co. ("Ithaca" Hammer & Hammerless Double Shot Guns), Ithaca, N. Y.
Johnson's Iver, Arms & Cycle Works, Fitchburg, Mass.
Marble Arms & Mfg. Co. ("Marble's" Game Getter), Gladstone, Mich.
New England Westinghouse Co., Chicopee, Mass.
Parker Bros. ("Parker" Shot Guns), Meriden, Conn.
Savage Arms Corp. (Also Mfgs. "Lewis" Machine Guns & "Savage" Automatic Pistol), Utica, N. Y.
Sedgley R. F., 2311 N 16th, Phila, Pa.
Stevens J. Arms Co. (Rifles, Pistols, Shot Guns, etc.), Chicopee Falls, Mass.
**Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.**

## 12415— Rifles (Scythe)

**Emmons E. G., West Morris, Conn.**

## 12416—Rig Irons (Oil & Gas Well)

Chrisman Foundry Co., Morgantown, W Va. *See adv index at end of book*
Herron R. H. Co., 934 N Almeda, Los Angeles, Cal.
**LUCEY MFG. CORP.,** 233 B'way, New York
*For branch offices see Alphabetical Section*
National Supply Co., Union Bank bldg, Pittsburgh, Pa.
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**
**Parkersburg Rig & Reel Co., Parkersburg, W. Va.**
**Union Tool Co. ("Ideal," "Standard"), Torrance, Cal.**

## 12416a— Rigging (Ship)

American Steel & Wire Co., 208 So La Salle, Chicago, Ill. *See adv index at end of book*
Durable Wire Rope Co., 93 Pearl, Boston, Mass.
Duval Iron Works, Jacksonville, Fla.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Roebling's John A. Sons Co. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J. *See adv index at end of book*

## 12417— Rims (Automobile)

American Tube & Stamping Co. (Cylinder, etc), Bridgeport, Conn.
**Dahl Punctureless Tire Co. (Tire Rims, etc), 1424 Hennepin av, Minneapolis, Minn.**
Dorian Remountable Rim Co. (Remountable), 223 W 53d, New York
**Eberly & Orris Mfg. Co. Mechanicsburg, Pa.**
**Eureka Bending & Wheel Works, York, Pa.**
**Firestone Tire & Rubber Co. ("Firestone" Automobile Truck), Akron, O.**
General Rim Co., St. Mary's, Pa.
**Graham Thos. & Co. (Hickory & Oak), Madison, Ind.**
**Hinkel J. K. Mfg. Co., Mechanicsburg, Pa.**
**Hoyt John Co. (Wood), Delaware, N. J.**
**K. & C. Mfg. Co. (Wood), Henniker, N. H.**
Kirke & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
**Lebzelter P. & Son Co. (Hickory, Oak & Ash), Lancaster, Pa.**
**Michelin Tire Co., Milltown, N. J.**
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Rapid Rim Co., Huntington, Ind.
Smith Erwin & Co., York, Pa.
Standard Parts Co. (Plain Clincher, Straight Side Detachable & Demountable), Cleveland, O.
**Weston-Mott Co., Flint, Mich.**
**Williams Steel Wheel & Rim Co., Utica, N. Y.**

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**Mott Wheel Works, Jackson, Mich.**
Mull Woodwork Co., Sidney, O.
Standard Parts Co. (Steel), Cleveland, O.
**Williams Steel Wheel & Rim Co., Utica, N. Y.**

## 12419— Rims (Mirror)

**National Sheet Metal Co. ("Nicolene"), Peru, Ill.**

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Mansfield Steel Corp., 288 E Milwaukee av, Detroit, Mich.

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Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
**Michigan Bent Rim & Basket Mfg. Co., Lowell, Mich.**

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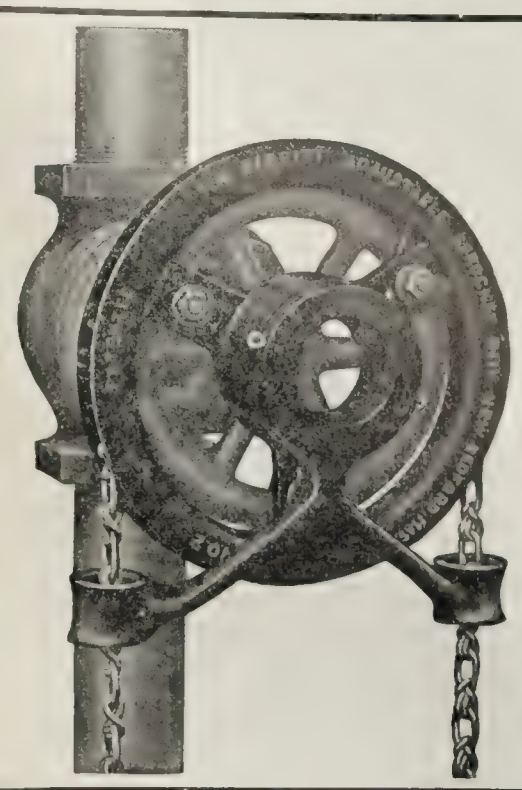

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## 12427-8— Ringers (Hog)

See also Rings, Hog & Bull

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**Decker Mfg. Co. ("Hill's," "Brown's"),** Keokuk, Ia.
**Fischer & Flohr, Bucyrus, O.**
**Heesen Bros. Co. ("Wolverine"), Tecum**seh, Mich.
**Landers, Frary & Clark, New Britain,** Conn.
**Pratt Wm. E. Mfg. Co. ("Perfect"), 85 W** Lake, Chicago, Ill.
**Smith F. P. & Co. ("Hill," "Blair"),** Sharon Hill, Pa.
**Stearns E. C. & Co. ("Stearns" Perfect** Pat'n), 450 Oneida, Syracuse, N. Y.
**Williams A. C. Co., Ravenna, O.**

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**Oliver Iron & Steel Co., S 10th & Muriel,** Pittsburgh, Pa.

## 12435— Rings (Bobbin)

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Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 12436— Rings (Box)

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**Turner & Seymour Mfg. Co., Torrington,** Conn.
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*See adv index at end of book*
Waterbury Button Corp., 831 South Main, Waterbury, Conn.
*See adv index at end of book*

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See Rings, Harness

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See Carbon Mfrs.

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See also Stoneware Chemical

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*See adv index at end of book*

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Electric Service Co. ("Formica')', 12th & Madison, Cincinnati, O.
**Hemming Mfg. Co., Garfield, N. J.**

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Fuller-Lehigh Co., Fullerton, Pa.
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**Standard Steel Works Co., Morris bldg,** Phila., Pa.

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**Estes E. B. & Sons (Wood), 364 5th av,** New York. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Hobbs Mfg. Co., Worcester, Mass.**
**Judd H. L. Co., 87 Chambers, New York**
**Parker Wire Goods Co. (Brass), Worces**ter, Mass.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
**Toledo-Reynolds Mfg. Co., West Toledo, O.**
**Turner & Seymour Mfg. Co. (Brass), Tor**Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 12445— Rings (Distributing)

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**Lanz M. & Sons, 2907 Carson, Pittsburgh,** Pa.

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**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*

### 12447— Rings (Filter Press)

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Reading Hardware Co. (Cast Brass), Reading, Pa.
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Wilcox, Crittenden & Co., Inc. (Malleable Iron Galvanized), Middletown, Conn. *See adv index at end of book*

### 12452— Rings (Gymnasium)

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**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*
Wilcox, Crittenden & Co. Inc., Midletown, Conn. *See adv index at end of book*

### 12452a— Rings (Harness)

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Elbel Co. Canton, O.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

### 12453—Rings (Harness, Bone)

Kyoto Mfg. & Trading Co., 31 E 17th, New York
Randolph Wm. C. (Also Ivory), 243 Arch, Phila., Pa.

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Rogers & Hubbard Co., Middletown, Conn.

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Fitch W. & E. T. Co., New Haven, Conn.
Frazer & Jones Co., Syracuse, N. Y.
Hobbs Mfg. Co., Worcester, Mass.
North & Judd Mfg. Co. ("Anchor Brand," Iron, Steel & Brass), New Britain, Conn.
Sargent & Co., New Haven, Conn.

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### 12458— Rings (Hinge)

Grabler Mfg. Co. (Extension, etc), Cleveland, O.

### 12459— Rings (Hitching)

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Brewer Bros. Co. (Wrought, Screw, Drill or Lead, etc), 2nd & Somerset, Phila., Pa.
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Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.
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Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
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Peck, Stow & Wilcox Co. (Wrought), Southington, Conn.
Sargent & Co. (Wrought), New Haven, Conn.
Steward & Romaine Mfg. Co., 124 N 6th, Phila., Pa.
Swett A. L. Iron Works, Medina, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co. (Wrought), Worcester, Mass.

### 12460— Rings (Hog & Bull)

See also Ringers, Hog

Chambers, Baring Quinlan Co. ("Browns"), Decatur, Ill.
Decker Mfg. Co. ("New Idea" Self-Piercing), Keokuk, Ia.
Fischer & Flohr, Bucyrus, O.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
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Landers, Frary & Clark (Copper Bull Only), New Britain, Conn.
Pratt Wm. E. Mfg. Co. ("Perfect," "Hill," "Blair," "Brown," "Major," "Wolverine," "Rea's" Self-Piercing Bull), 35 W Lake, Chicago, Ill.
Sargent & Co., New Haven, Conn.
Smith F. P. & Co. ("Hill," "Blair," Copper & Galvanized, Cast & Malleable Iron), Sharon Hill, Pa.
Smith Seymour & Son (Bull Only), Oakville, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 12460a— *Rings (Hoist)

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 12461—Rings (Hollow Screw)

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Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

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Morden Mfg. Corporation ("Morden Perfect"), Waterbury, Conn.
Niagara Falls Metal Stamping Works (Flexible, Split Steel), Niagara Falls, N. Y.
Smith & Egge Mfg. Co. (Chain & Ring), Bridgeport, Conn.
Snow & Petrelli Mfg. Co., New Haven, Conn.
Spaulding D. S. (Silver), Mansfield, Mass.
Vaughan Novelty Mfg. Co. ("Vaughan's Individual" Chain), 703 Fulton, Chicago, Ill.
Waterbury Button Corporation, 831 South Main, Waterbury, Conn. *See adv index at end of book*
Williamson C. T. Wire Novelty Co., Badger av, Newark, N. J.

### 12463— Rings (Lap)

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Columbus Handle & Tool Co. (Lap Links & Rings), Columbus, Ind.

### 12464—Rings (Leather Shafting)

Graton & Knight Mfg. Co. ("G. & K."), Worcester, Mass.

### 12465— Rings (Locker)

Jencks E. Mfg. Co., Worcester, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 12466—Rings (Marble Polishing)

Royden Marble Machinery Co. ("Royden" Polish Rings), 137 E 25th, New York

### 12467— Rings (Napkin)

Arlington Works (du Pont E. I. de Nemours & Co.), Wilmington, Del.
Bogert & Hopper Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
**Hall Wilbur B. (Silver Plated), Meriden,** Conn.

### 12468— *Rings (Neck Yoke)

Columbus-McKinnon Chain Co., Columbus, O. *See adv index at end of book*

### 12469— Rings (Net)

General Phonograph Corp. (Fishing), 25 W 45th, New York

### 12470— Rings (Open)

Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

### Rings (Packing)

See Packing, Ring or Spiral

### 12471— Rings (Piston)

American Piston Ring Co. ("American" & "Sta-Tile" Hammered), 704 S 11th, Newark, N. J.
Automobile Construction & Engineering Co. ("Perfection"), 3325 Chestnut, Phila., Pa.
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Canton Auto Parts Mfg. Co. ("Kurtz"), Canton, O.
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Continental Piston Ring Co. ("Hi-Comp"), Memphis, Tenn.
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Hill-Smith Metal Goods Co. ("H. S."), 82 Brokline av, Boston, Mass.
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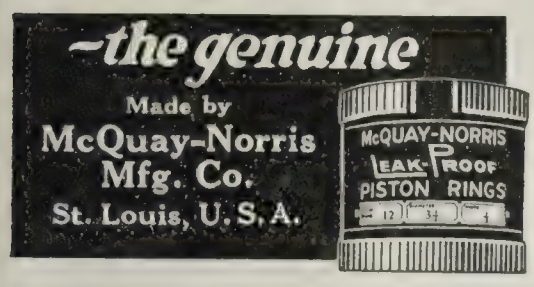
Houpert Machine Co., 351 W 52d, New York
Inland Machine Works, 17th & Locust, St. **Louis, Mo.**
**Interstate Foundry Co., E 61st & Erie R.** R., Cleveland, O.
Keys Piston Ring Co. ("K-P"), 3049 Olive, St. Louis, Mo.
Lewis Electric Welding & Mfg. Co., **Toledo, O.**
McCadden Machine Works ("McCadden" Leakless), St. Cloud, Minn.
McIntyre Mfg. Co., 172 W Locust, Columbus, O.
**McQUAY-NORRIS MFG. CO.** ("Leak-Proof"), Cooper & Southwest avs, St. Louis, Mo. *See adv index at end of book*

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Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
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Micro Piston Ring Co. ("Micro"), 116 Nassau, New York
Miller Engine & Foundry Works. ("Miller"), 2652 Long Beach av, Los Angeles, Cal.
Modern Electric & Machine Co. ("R. & M."), 936 Ft. Wayne av, Indianapolis, Ind.
Morgan Mfg. Co., Inc., Keene, N. H.
Muncie Foundry & Machine Co. (Also for Cycle Cars), Muncie, Ind.
**New Era Spring & Specialty Co., Detroit, Mich.**
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Nilson-Miller Co. ("Flexo Hammered"), 1300-1306 Hudson, Hoboken, N. J. *See adv index at end of book*
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Perfection Piston Ring Co., Ravenna, O.
Pennsylvania Piston Ring Co. ("Pepco"), 203 St. Clair av N E, Cleveland, O.
Piston Ring Co., Muskegon, Mich.
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Trump Mfg. Co., Crown Point, Ind.
Underwood H. B. & Co., 1025 Hamilton, Phila., Pa.
U. S. Piston Ring Co., 2108 Superior av, Cleveland, Ohio
Universal Machine Co., 501 E Preston, Baltimore, Md.
Valley City Welding & Mfg. Co. (Groove Tight), Valley City, N. Dak.
Wainwright W. W. & Son, Connersville, Ind.
Wasson Piston Ring Co. ("Wasson"), Plainfield, N. J. *See adv index at end of book*
Waterbury Welding Co., Waterbury, Conn.

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For: **Automobiles, Trucks, Tractors, Pumps, Compressors, Locomotives, Marine Engines**
**WASSON PISTON RING CO.**
**Plainfield, New Jersey**

Wilson Foundry & Machine Co., Pontiac, Mich.
Wood & Safford Mach. Wks., Great Falls, Mont.

## 12472—Rings (Plumbers' Testing)

Empire Tire & Rubber Corp., Trenton, N. J.

## 12473— Rings (Pole)

**Bethlehem Steel Co., So Bethlehem, Pa.**
Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.
Bissell F. Co. ("Security"), Toledo, O.
Hubbard & Co., 63rd & Butler, Pittsburgh, **Pa.**
Lanz M. & Sons, 2907 Carson, Pittsburgh, **Pa.**
New England Bolt Co., Everett, **Mass.**
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Strieby & Foote Co., 301 Ogden, Newark, N. J.
Turner & Seymour Mfg. Co., Torrington Conn.

## 12474— Rings (Rubber)

See also Rubber Mfrs., Mechanical
Acme Rubber Mfg. Co. (Jar), Trenton, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
**Cincinnati Rubber Mfg. Co., Cincinnati, O.**
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Davol Rubber Co. (Umbrella, etc), 69 Point, Providence, R. I.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Home Rubber Co, Trenton, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Parker-Stearns & Co. (Umbrella, Invalid Teething, etc), 286 Sheffield av, Brooklyn, N. Y.
Pennsylvania Rubber Co. (For Unions, Pumps, Lubricators, Gauge Glass, Packing, etc), Jeannette, Pa.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Schacht Rubber Mfg. Co., Huntington, Ind.
Tyer Rubber Co. (Umbrella, Teething), Andover, Mass.
U. S. Rubber Co. (For All Purposes), 1790 Broadway, New York

## 12475-6— Rings (Screw)

American Ring Co., Waterbury, Conn.
Brooks M. S. & Sons (Brass), Chester, Conn.
Parker Wire Goods Co., Worcester, Mass.
Turner & Seymour Mfg. Co., Torrington, Conn.

## 12477— Rings (Shutter)

Brooks M. S. & Sons, Chester, Conn.
**Hamblin & Russell Mfg. Co., Worcester, Mass.**
Jencks E. Mfg. Co., Worcester, Mass.
Johnson John Co., 203 37th, B'klyn, N. Y.
Parker Wire Goods Co. (Tinned Wire), Worcester, Mass.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Rings (Socket)

See Rings, Electric Lamp Socket

## 12477a— Rings (Spiral)

Chemical Construction Co., Charlotte, N. C.

## 12478— Rings (Steel)

Akron-Selle Co. (& Forged Bands), Akron, Ohio
Auburn Ball Bearing Co. (Hardened Tool Steel), 26 Elizabeth, Rochester, N. Y.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Bridgeport Chain Co., Bridgeport, Conn.
Chrome Steel Works (Rolled Chrome Steel), Camden, N. J.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
Hammond Steel Co. Inc., Syracuse, N. Y.
Hobbs Mfg. Co., Worcester, Mass.
Hope Forge & Machine Co. (& Bands), Mt. **Vernon, O.**
Landers, Frary & Clark, New Britain, Conn.
Kropp Forge Co. (Solid Forged), 2512 W 21st, Chicago, Ill.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Millersburg Fifth Wheel Co. (Iron & Steel Rings, Bands, Ovals, Flanges, etc), Millersburg, Pa.
New England Forge Co. (Weldless), Worcester, Mass.
Ohio Forge Co. (Forged), Cleveland, O.
Oliver & Williams (Solid Forged), 39 Pitts, Boston, Mass.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Railway Steel Spring Co. (Heavy), 30 Church, New York
Standard Steel Works Co., Morris bldg, Phila., Pa.
Standard Parts Co. (Seamless Copper, Brass), Cleveland, O.
Tioga Steel & Iron Co. (Forged), 52nd & Grays, Phila., Pa.
U. S. Indestructible Gasket Co. (Light), Church & Fulton, New York *See adv index at end of book*
Wharton Wm. Jr. & Co., Inc. (Forged) Easton, Pa.

## 12479—Rings (Steel Piston)

**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York *See adv index at end of book*
Salt Wm. B. Mfg. Co. (For Steam Hammers, Engines, etc), Aspinwall, Pa.

## 12479a— Rings (Teething)

Arlington Works (du Pont E. I. de Nemours & Co.), Wilmington, Del.
Celluloid Co., 36 Washington pl, New York
Cutlers Pearl Mfg. Co., 55 Commercial, Newark, N. J.
Rubber & Celluloid Products Co., Newark, N. J.

## 12480— Rings (Timer)

Continental Fibre Co. ("Bakelite-Dilecto" & "Vulcanized Fibre"), Newark, Del. *See adv index at end of book*
National Fibre & Insulation Co., Yorklyn, Del.

## 12481— Rings (Tool Post)

Page Storms Drop Forge Co., Chicopee, Mass.
Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Br'klyn, N. Y. *See adv index at end of book*
Wilmington Fibre Specialty Co., Wilmington, Del. *See adv index at end of book*

## 12481a— *Rings (Towel)

Estes E. B. Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 12482— Rings (Trap Door)

Champion Hardware Co. (Flush), Geneva, Ohio
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Loetcher-Ryan Mfg. Co., Dubuque, Ia.
Peck Stow & Wilcox Co. (Flush), Southington, Conn.
Penn Hardware Co., Reading, Pa.
Sargent & Co. (Flush), New Haven, Conn.

RINGS (TRAP ROCK)—continued
Stanley Works, New Britain, Conn.
*See adv index at end of book*
Stover Mfg. & Engine Co., Freeport, Ill.

## Rings (Trapeze)

See Rings, Gymnasium

## 12483—Rings (Umbrella, Rubber)

Davol Rubber Co., 69 Point, Providence, R. I.

## 12484—Rings (Vest & Split Button)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Turner & Seymour Mfg. Co., Torrington, Conn.

## 12485— Rings (Welded)

Akron-Selle Co., Akron. O.
Allegheny Forging Co., Keenan bldg, Pittsburgh, Pa.
American Mfg. Co., Chattanooga, Tenn.
Standard Parts Co. (Steel, All Sizes & Shapes), Cleveland, O.

## 12486— Rings (Weldless)

Allegheny Forging Co., Keenan bldg, S Dearborn, Chicago, Ill.
Allison & Co., Chester, Pa.
Bonney Vise & Tool Wks., Inc., Allentown, Pa.
Dyson Jos. & Sons, 5125 St. Clair av, Cleveland, O.
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
Hammond Steel Co., Inc., The (Forged Steel), Solvay, N. Y.
**Hay-Budden Mfg. Co., 254 N Henry, Brooklyn, N. Y.**
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
**JOHNSTON & JENNINGS CO., Addison rd & N. Y. C. R. R., Cleveland, O.**
*See adv index at end of book*
Ladish Drop Forge Co., Cudahy, Wis.
Lake Erie Forge & Machine Co., Cleveland, O.
New England Forge Co., Worcester, Mass.
Ohio Forge Co. (Forged), Cleveland, O.
Penna. Forge Co., Jenks & Bath, Phila., Pa.
Pollak Steel Co., Cincinnati, Ohio
Railway Spring Steel Co., 30 Church, New York
Standard Steel Works Co. (For Crushing Machinery, etc.), Morris bldg, Phila., Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.

## 12487— Rings (Wire)

American Mfg. Co., Chattanooga, Tenn.
Bridgeport Chain Co., Bridgeport, Conn.
Eastern Tool & Mfg. Co., Bloomfield av, Bloomfield. N. J.
Grammes L. F. & Sons. Allentown, Pa.
*See adv index at end of book*
Jenkinson R. C. & Co., 293 Washington, **Newark, N. J.**
North & Judd Mfg. Co. ("Anchor Brand" Steel), New Britain, Conn.
Parker Wire Goods Co., Worcester, Mass.
Titchener E. H. & Co., Binghamton, N. Y.
U. S. Hame Co., Buffalo, N. Y.
U. S. Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 12488— Rings with Staples

Auer John Jr. (Wrought Trap Door, etc), 197 Middleton, Brooklyn, N. Y.
Landers, Frary & Clark, (Wrought), New Britain, Conn.

## 12489— Rings (Wood)

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
**ESTES E. B. & SONS** (Embroidery, Exercising, Towel, Harness, etc.), 364 5th av, New York
*See adv index at end of book*
Peters' John M. Sons, Bleecker, New York
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.

Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 12490— Rings (Worm Gear)

Anderson Rolled Gear Co. ("Anderson" Rough Rolled Steel for Auto Worm Drive Rear Axles, etc), Berea rd & L. S. & M. S. Ry, Cleveland, O.
**FOOTE BROS. GEAR & MACHINE CO.** (Bronze), 213 N. Curtis, Chicago, Ill.
*See adv index at end of book*
**GANSCHOW WM. CO.** (Bronze), 1001 Washington boul, Chicago, Ill.
*See adv index at end of book*

## 12491— Ripeners (Cream)

Reid A. H. Creamery & Dairy Supply Co., 69th & Haverford, Phila., Pa.

## 12492— Rivet Busters

Cleveland Punch & Shear Works Co., 3921 **St. Clair av N E, Cleveland, O.**
744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 12493— Rivet Mfrs.

**Under this Heading see Sub-classifications**

American Car & Foundry Co.,Syndicate Trust bldg, St. Louis, Mo.
American Locknut Co., 845 Peoples Gas bldg, Chicago, Ill.
American Rivet Co., New Haven, Conn.
**ATLAS BOLT & SCREW CO.,** 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Atlas Tack Co., Fairhaven, Mass.
Baker & Co. (Platinum), 54 Austin, Newark, N. J.
Ballard Drop Forge Co. ("Ballard"), Seattle, Wash.
Bayonne Bolt & Nut Co., Bayonne, N. J.
*See adv index at end of book*
Berry Bros., Columbus, O.
Bethlehem Steel Co., So Bethlehem, Pa.
Blake & Johnson Co. (Iron, Steel, Brass & Copper), 1500 Thomaston av, Waterbury, Conn. *See adv index at end of book*
**BOSS NUT CO.,** 1744 N Kolmar av, Chicago, Ill.
Brainerd J. W. Steel Co., Warren, Ohio
Burden Iron Co., Troy, N. Y.
Butler Bolt & Rivet Co., Butler, Pa.
Carlin Anthony Co., 2717 E 75th, Cleveland, O.
Champion Rivet Co., Harvard av & E 108th, Cleveland, O.
**CLARK BROS. BOLT CO., Millidale, Conn.**
*See adv index at end of book*
Cobb & Drew, Plymouth, Mass.
Coe Brass Branch, Torrington, Conn.
Columbus Bolt Works Co., Columbus, O.
Equipoise Rivet Co. (Small), Waterbury, Conn.
Falls Rivet Co. (Carriage, Tire, Stove & Machine), Kent, O.
Froment & Co., 150 Bank, New York
Garland Mfg. Co., 1st National Bank bldg, Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Gem Stamped Steel Co., Chelsea, Mass.
General Mfg. Co. (From All Metals), Waterbury, Conn.
Greenlie-Halliday Co., 499 Water, New York
Harrison Bolt & Nut Co., Harrison, N. J.
Hartley Screw Products Co., Poinier, Newark, N. J.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lamson & Sessions Co., 2188 Scrandon rd, S W, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co. (Iron and Steel for General Purposes), 34 Reade, New York. *See adv index at end of book*
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Liberty Steel Products Co., 233 Broadway, New York
Linton Mill Co., Linton, Ind.
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
Milwaukee Tack Co. (Small), 27th & Wahl av, Milwaukee, Wis.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Screw & Tack Co., Stanton av, S E & C. & P Ry, Cleveland, O.
Nelson Rivet Co. (Small Brass, Copper & Iron), Taunton, Mass.
Newark Rivet Works, 262 Lafayette, Newark, N. J.
New Castle Steel & Iron Co., Pittsburgh, Pa.
New England Bolt Co., Everett, Mass.
New Haven Rivet Co., New Haven, Conn.
North & Pfeiffer Mfg. Co., Hartford, Conn.
O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
Ohio Nut & Bolt Co., Berea, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Plume & Atwood Mfg. Co. (Brass, etc), Waterbury, Conn.
Plymouth Mills, Plymouth, Mass.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*
Progressive Mfg. Co. (To Order Only), Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.
Rome Brass & Copper Co. (Brass & Copper), Rome, N. Y.
**SCOVILL MFG. CO.** (Brass, Bronze, Iron, Steel & Special to Order Only), Waterbury, Conn. *See adv index at end of book*
Sessions J. H. & Son, Bristol, Conn.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Standard Rivet Co., 41 Lincoln, Boston, Mass.
Steel Car Forge Co., Pittsburgh, Pa.
Thomson Judson L. Mfg. Co., Waltham, Mass.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
Townsend G. G., Winchendon, Mass.
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.
Ulster Iron Works, Dover, N. J.
Upham V. B. & Bro. (Aluminum, Brass, Copper, Iron, etc), 30 Hudson av, Brooklyn, N. Y.
Upson Nut Co., Cleveland, O.
Waltham Screw Co., Waltham, Mass.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 12494— Rivet Sets

American Die & Tool Co. (Air Hammer, etc), Reading, Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cleveland Punch & Shear Works Co. (Handle, Pneumatic), 660 E 82nd, Cleveland, O.
Cleveland Steel Tool Co. (Compression Handle, Pneumatic), 660 E 82nd, Cleveland, O.
Davidson Tool Mfg. Corp., 12 Maiden Lane, New York
**DELAWARE TOOL CO.** (Air Hammer), Wilmington, Del.
Drew C. & Co. (Coopers), Kingston, Mass.
Eyelet Tool Co., 40 Lincoln, Boston, Mass.
Fischer & Hayes Rope & Wire Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Henderer's A. L. Sons, Wilmington, Del.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Independent Pneumatic Tool Co., 600 W Jackson blvd. Chicago, Ill.
Iron City Tool Works, Ltd. (Sheeters), 3201 Smallman, Pittsburgh, Pa.
Irvington Mfg. Co., Irvington, N. J.
Johnson Wm. (Hedenberg Works), Newark, N. J.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Kraeuter & Co., 583 18th av, Newark, N. J.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill. *See adv index at end of book*
Lowentraut P. Mfg. Co. ("W. S."), 35 Brenner, Newark, N. J.
Marchant Geo. F. Co. ("New Process," "Marco-Vanadium" "Vanadium" Air Hammer), 1420 S Rockwell, Chicago, Ill.

**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
Osborne C. S. & Co. (Harness Makers, Tinners, etc), Box 183, Newark, N. J. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Mfg. (Tinners), 2209 Santa Fe av, Los Angeles, Cal.
Potter S. A. Tool & Machine Works, 79 E 30th, New York
Rich Tool Co., Railway Exch. bldg, Chicago, Ill.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
**SMITH & HEMMINGWAY CO., INC.,** ("Red Devil" Drop Forged), 261H B'way, New York & 130H Colt, Irvington, N. Y. *See adv index at end of book*
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
United States Tool Co., 3160 W 106th, Cleveland, O.
Van Doren Mfg. Co. ("Vandor" Rivet Sets & Headers, Tinners' Pattern & Farmers), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.

## 12495—Riveters (Belting & Harness Repairing, Etc.)

See Also Riveting Machines, Hand

Arcade Mfg. Co. ("Arcade"), Freeport, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Fate-Root-Heath Co. ("Ideal"), Plymouth, Ohio

## Riveters (Pneumatic Compression)

See Pneumatic Compressing Riveters

## 12496—Riveters (Steam Hydraulic)

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 12497—Riveters & Punch (Combined)

Hanna Engineering Works, 1764 Elston av, Chicago, Ill.

## Riveting Machines

See Machinery; also Pneumatic Riveters

## 12498— Rivets (Aluminum)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn. *See adv index at end of book*
Equipoise Rivet Co., Waterbury, Conn.
Gem Stamped Steel Co., Chelsea, Mass.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hassall Jno. (To Order), Clay & Oakland, Brooklyn, N. Y. *See adv index at end of book*
Probst C. F. Mfg. Co. (To Order), 530 Watertown av, Waterbury, Conn. *See adv index at end of book*
Stimpson Edwin B. Co., 68 Franklin av, B'klyn, N. Y.
Townsend Co., New Brighton, Pa.
Upham V. B. & Bro., 30 Hudson av, Brooklyn, N. Y.

## 12499— Rivets (Barrel)

Equipoise Rivet Co., Waterbury, Conn.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Reading Screw Co., Norristown, Pa.
Stimpson, Edwin B. Co., 68 Franklin av, B'klyn, N. Y.
Townsend Co., New Brighton, Pa.
Townsend G. G., Winchendon, Mass.

## 12500—Rivets (Belt & Hose)

American Brass Co., Waterbury, Conn. *For branch offices see adv index at end of book*
Atlas Tack Co. (Copper), Fairhaven, Mass.
Bridgeport Brass Co., Bridgeport, Conn.
Equipoise Rivet Co., Waterbury, Conn.
Falls Rivet Co., Kent, Ohio
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hassall Jno. (Inc.) (To Order), Clay & Oakland, Brooklyn, N. Y. *See adv index at end of book*
Hungerford U. T. Brass & Copper Co. (Copper), 80 Lafayette, New York
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y. *See adv index at end of book*
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Plume & Atwood Mfg. Co. ("Eagle," Copper), Waterbury, Conn.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn. *See adv index at end of book*
Reed & Prince Mfg. Co., Worcester, Mass.
Rome Brass & Copper Co., Rome, N. Y.
Russell Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Stimpson Edwin B. Co., 68 Franklyn av, Brooklyn, N. Y.
Tower Mfg. Co. (Tinned & Coppered Iron Burrs & Rivets), Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
Upson Nut Co., Cleveland, O.
Wilson Steel Products Co., 49th & S Western av., Chicago, Ill.

## 12501—Rivets (Boiler & Tank)

American Equipment Co., Norristown, Pa.
Atlas Tack Co., Fairhaven, Mass.
**BAYONNE BOLT & NUT CO.,** Bayonne, N. J. *See adv index at end of book*
Bethlehem Steel Co., So Bethlehem, Pa.
Burden Iron Co. (Iron), Troy, N. Y.
Carlin Anthony Co. ("Perfection"), 2717 E 75th, Cleveland, O.
Champion Rivet Co., Harvard av & E 108th, Cleveland, O.
Cleveland Wrought Products Co., W 58th & West L. E. Belt Line, Cleveland, O.
Falls Rivet Co., Kent, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Inland Steel Co., First National Bank bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Larkin J. K. & Co. (Iron & Steel), 34 Reade, New York *See adv index at end of book*
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
New Castle Steel & Iron Co., Pittsburgh, Pa.
New England Bolt Co., Inc., Everett, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
**RYERSON JOS. T. & SON,** 910 Corn Exchange Bldg, & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Scott, Suydan & Lamont, Monadnock Bldg, San Francisco, Cal.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Steel Car Forge Co. ("Xcelsior"), Frick Bldg, Pittsburgh, Pa.
Townsend Co., New Brighton, Pa.
Ulster Iron Works, Dover, N. J.
Upson Nut Co., Cleveland, O.

## 12502—Rivets (Brass & Copper)

Atlas Tack Co. (Rivets & Burrs), Fairhaven, Mass.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn. *See adv index at end of book*
Bridgeport Brass Co. ("Crown"), Bridgeport, Conn.
Clendenin Bros. (Copper Rivets & Burrs), c Central av & Fawn, Baltimore, Md.
Cobb & Drew, Plymouth, Mass.
Elm City Brass & Rivet Co. (Rivets & Burrs), Plainville, Conn.
Equipoise Rivet Co. (Small), Waterbury, Conn.
Falls Rivet Co., Kent, O.
Gem Stamped Steel Co., Chelsea, Mass.
General Mfg. Co., Waterbury, Conn.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hartley Screw Products Co., Poinier, Newark, N. J.
**HASSALL JNO, (INC),** Clay & Oakland, Brooklyn, N. Y. *See adv index at end of book*
Hungerford U. T. Brass & Copper Co. ("Star," All Sizes & Styles), 80 Lafayette, New York
Merchant & Evans Co. (Jobbers), Washington av & 21st, Phila., Pa. *See adv index at end of book*
Midwest Brass & Copper Co. Inc., 480 Brome, New Yor. *See adv index at end of book*
Mutual Electric & Machine Co. (Copper), 232 Fort, W. Detroit, Mich.
Nelson Rivet Co., Taunton, Mass.
Newark Rivet Works, 262 Lafayette, Newark, N. J.
North American Copper Co., 52 Vanderbilt av, New York
Plume & Atwood Mfg. Co. (Copper Trunk, Braziers', Brass Jacket, etc), Waterbury, Conn.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn. *See adv index at end of book*


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MANUFACTURING COMPANY
Makers of
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BEARING and BURNISHING BALLS
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Telephone 4133


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Reed & Prince Mfg. Co., Worcester, Mass.
Rome Brass & Copper Co., Rome, N. Y.
**SCOVILL MFG. CO.** (Order Only), Waterbury, Conn. *See adv index at end of book*
Taunton Rivet Works (Copper Rivets & Burrs), Taunton, Mass.
Thomson Judson L. Mfg. Co. (Coppered Slotted Clinch), Waltham, Mass.
Townsend Co., New Brighton, Pa.
Upham V. B. & Bro., 30 Hudson av, Brooklyn, N. Y.
Waltham Screw Co., Waltham, Mass.
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.

## 12503— Rivets (Braziers')

American Brass Co., Waterbury, Conn. *For branch offices see adv index at end of book*
Equipoise Rivet Co., Waterbury, Conn.
Hendricks Bros., 49 Cliff, New York
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Plume & Atwood Mfg. Co. (Copper), Waterbury, Conn.
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn. *See adv index at end of book*
Rome Brass & Copper Co., Rome, N. Y.
Townsend Co., New Brighton, Pa.

## 12504—Rivets (Bridge & Structural)

American Equipment Co., Norristown, Pa.
Bayonne Bolt & Nut Co., Bayonne, N. J. *See adv index at end of book*


**RIVETS**
Structural, Ship, Boiler, etc.
BAYONNE BOLT & NUT CO.
Manufacturers
Bayonne, N. J.
on New York Harbor


Bethlehem Steel Co., So Bethlehem, Pa.
Cambria Steel Co., Widener bldg, Phila., Pa.
Carlin Anthony Co. ("Perfection"), 2717 E 75th, Cleveland, Ohio
Champion Rivet Co., Harvard av & E 108th, Cleveland, O.

RIVETS (BRIDGE & STRUCTURAL)—continued
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Falls Rivet Co., Kent, Ohio
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Foster Bolt & Nut Co., Union av & E 72d, Cleveland, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Gary Screw & Bolt Co., Gary, Ind.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Inland Steel Co., First Nat'l Bank bldg, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co. (Iron & Steel), 34 Reade, New York
*See adv index at end of book*
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
New Castle Steel & Iron Co., Pittsburgh, Pa.
New England Bolt & Nut Co., Everett, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
**RYERSON JOS. T. & SON**, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Scott, Suyden & Lamont, Monadnock bldg, San Francisco, Cal.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Upham V. B. & Bros. (For Ornamental Work), 30 Hudson av, Brooklyn, N. Y.
Upson Nut Co., Cleveland, O.
Viethardt Steel & Metal Corp. (Mill Representatives, Steel Only), 15 Park Row, New York

## 12505— Rivets (Button)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio
*See adv index at end of book*
Equipoise Rivet Co., Waterbury, Conn.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hassall Jno. (Inc), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*

## 12506— Rivets (Car)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Equipment Co., Norristown, Pa.
Bethlehem Steel Co., So Bethlehem, Pa.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Columbus Bolt Works Co., Columbus, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Townsend Co., New Brighton, Pa.

## 12507-8—Rivets (Clinch, Bifurcated)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Manufacturers' Belt Hook Co. ("20 Century" Brass Brake Band & Tubular Harness), 1321 W Congress, Chicago, Ill.
Standard Rivet Co., 41 Lincoln, Boston, Mass.
Thomson Judson L. Mfg. Co., Waltham, Mass.
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.

## Rivets (Clinch, Slotted)

See Rivets, Slotted Clinch

## 12509-10— Rivets (Coopers')

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Berry Bros. Columbus, O.
Brainerd J. W. Steel Co., Warren, Ohio
Equipoise Rivet Co., Waterbury, Conn.
Falls Rivet Co., Kent, Ohio
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
National Screw & Tack Co., Stanton av, S. E. & C. & P. Ry, Cleveland, O.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Scott, Suyden & Lamont, Monadnock bldg, San Francisco, Cal.
Tower Mfg. Co. (Countersunk, etc), Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
Upson Nut Co., Cleveland, O.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 12511— Rivets (Draw Bar)

Kansas City Bolt & Nut Co., Kansas City, Mo.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.

## 12512-3—Rivets (Galvanized)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Equipoise Rivet Co., Waterbury, Conn.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Rockford Bolt Co. (For Corrugated Culverts, etc), 60 Mill, Rockford, Ill.
Townsend Co., New Brighton, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 12514— Rivets (Hame)

American Rivet Co., New Haven, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Equipoise Rivet Co., Waterbury, Conn.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Hassall Jno. (Inc), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
National Screw & Tack Co., Stanton av, S. E. & C. & P. Ry, Cleveland, O.
Reading Screw Co., Norristown, Pa.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Standard Rivet Co., 41 Lincoln, Boston, Mass.
Thomson Judson L. Mfg. Co., Waltham,
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.

## 12515— Rivets (Hinge)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Equipoise Rivet Co., Waterbury, Conn.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
HASSALL JNO. (INC.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Townsend Co., New Brighton, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 12515a— Rivets (Iron)

Blake & Johnson Co., 1500 Thamaston av, Waterbury, Conn.
*See adv index at end of book*
Burden Iron Co., Troy, N. Y.
Champion Rivet Co., Hartford av & E 108th, Cleveland, Ohio
Cobb & Drew, Plymouth, Mass.
HASSALL JOHN, INC., Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Manufacturers Iron & Steel Co., New Brunswick, N. J.
Nelson Rivet Co, Taunton, Mass.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Plymouth Mills, Plymouth, Mass.
Progressive, Mfg. Co. (To Order Only) Torrington, Conn.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*
Southern California Iron & Steel Co., 4th & Mateo, Los Angeles, Cal.
Tower Mfg. Co., Madison, Ind.
Townsend Co., New Brighton, Pa.
Upham V. B. & Bro., 30 Hudson av, Brooklyn, N. Y.

## 12515b—Rivets (Nickel Silver)

Blake & Johnson, 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
HASSALL JNO. (INC), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Nelson Rivet Co., Taunton, Mass.
Probst C. F. Mfg. Co. (To Order), 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*
Progressive Mfg. Co. (To Order Only), Torrington, Conn.
Upham V. B. & Bro., 30 Hudson av, Brooklyn, N. Y.
Waltham Screw Co., Waltham, Mass.

## 12516—Rivets (Norway Iron)

Atlas Tack Co., Fair Haven, Mass.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Newark Rivet Works (Black, Coppered & Tinned), 262 Lafayette, Newark, N. J.
Townsend Co., New Brighton, Pa.
Upson Nut Co., Cleveland, O.

## 12517—Rivets (Phosphor Bronze)

Equipoise Rivet Co., Waterbury, Conn.
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*

## 12518— Rivets (Platinum)

American Platinum Works (For Spark Coils), 231 N. J. R. R., Newark, N. J.
Baker & Co., 54 Austin, Newark, N. J.
Bender Henry, 42 Walnut, Newark, N. J.
Probst C. F. Mfg. Co. (To Order), 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*

## 12519— Rivets (Pronged)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Standard Rivet Co. (For Fastening Leather, Cloth, etc), 41 Lincoln, Boston, Mass.

## 12519a— Rivets (Ship)

See also Rivets, Boiler & Tank

BAYONNE BOLT & NUT CO., Bayonne, N. J. *See adv index at end of book*

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Larkin J. K. & Co. (Iron & Steel), 34 Reade, New York
*See adv index at end of book*

## 12520— Rivets (Shovel)

**Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio**
*See adv index at end of book*
Berry Bros., Columbus, O.
**Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.**
Reading Screw Co., Norristown, Pa.
Townsend Co., New Brighton, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 12521—Rivets (Slotted Clinch)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Thomson Judson L. Mfg. Co., Waltham, Mass.

## 12522— Rivets (Soft Metal)

**Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio**
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Equipoise Rivet Co., Waterbury, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn.
*See adv index at end of book*
Peck E. E. & Co. (For Mending Enameled Ware, etc.), Batavia, N. Y.

## 12522a— Rivets (Special)

Fall Rivet Co., Kent, Ohio
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**HASSELL JNO. (INC.)**, Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*

## 12522b Rivets (Steel)

See also Rivet Mfrs.

**Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio**
*See adv index at end of book*
Columbia Steel Co., 503 Market, San Francisco, Cal.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Simons & Mills, Inc., 25 Leonard, New York

## 12523— Rivets (Stove)

Berry Bros., Columbus, O.
Equipoise Rivet Co., Waterbury, Conn.
Falls Rivet Co., Kent, Ohio
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Lamson & Sessions Co., 2188 Scranton Rd S W, Cleveland, O.
Ohio Nut & Bolt Co., Berea, O.
Reading Screw Co., Norristown, Pa.
Townsend Co., New Brighton, Pa.

## 12523a— *Rivets (Tinned)

Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

## 12524— Rivets (Tinners')

**Atlas Bolt & crew Co., 1130 Ivanhoe rd, Cleveland, O.**
*See adv index at end of book*
Atlas Tack Co., Fairhaven, Mass.
Berry Bros., Columbus, O.
Central Stamping Co., 174 Fulton, New York
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Cobb & Drew, Plymouth, Mass.
Elm City Brass & Rivet Co., Plainville, Conn.
Equipoise Rivet Co., Waterbury, Conn.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Foster Bolt & Nut Co., Union av & E 72d, Cleveland, O.
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Gem Stamped Steel Co., Chelsea, Mass.
Hassall Jno. (Inc), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Merchant & Evans Co. (Black & Tinned), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
**Milwaukee Tack Co. (Flat Head), 27th & Wahl av, Milwaukee, Wis.**
National Screw & Tack Co., Stanton av, S. E. & C. & P. Ry, Cleveland, O.
Nelson Rivet Co. (Small), Taunton, Mass.
Ohio Nut & Bolt Co., Berea, O.
Plume & Atwood Mfg. Co. (& Burs), Waterbury, Conn
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
**RYERSON JOS. T. & SON**, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Scott, Suyden & Lamont, Monadnock bldg, San Francisco, Cal.
Stanley Geo. W. Co., Belleville, Ill.
Taunton Rivet Works, Taunton, Mass.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Townsend Co., New Brighton, Pa.
Upham V. B. & Bro., 30 Hudson av, Brooklyn, N. Y.
Upson Nut Co., Cleveland, O.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 12525— Rivets (Tire)

Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Columbus Bolt Works Co., Columbus, O.
**Eagle Bolt & Forging Co., 1435 E 45th, Cleveland, O.**
Equipoise Rivet Co., Waterbury, Conn.
Falls River Co., Kent, Ohio
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
Lamson & Sessions Co., 2188 Scranton rd S W, Cleveland, O.
Ohio Carriage Mfg. Co., S High, Columbus, O.
Skelly Thos. P. Bolt Co., 24th & Carlton, Phila., Pa.
Townsend Co., New Brighton, Pa.
Upson Nut Co., Cleveland, O.

## 12526— Rivets (Trunk)

**Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio**
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Equipoise Rivet Co., Waterbury, Conn.
Hassall Jno. (Inc), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Plume & Atwood Mfg. Co. (Oval Head, Copper), Waterbury, Conn.
Townsend Co., New Brighton, Pa.

## 12527— Rivets (Tubular)

Equipoise Rivet Co., Waterbury, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Thomson Judson L. Mfg. Co., Waltham, Mass.
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.

## 12528— Rivets (Wagon Box)

Berry Bros., Columbus, O.
Clark Bros. Bolt Co., Milldale, Conn.
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Columbus Bolt Works Co., Columbus, O.
Equipoise Rivet Co., Waterbury, Conn.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Garland Nut & Rivet Co., Lawrence County, West Pittsburgh, Pa.
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Townsend Co., New Brighton, Pa.
Upson Nut Co., Cleveland, O.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 12529— Rivets (Wire)

Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, Ohio
Equipoise Rivet Co., Waterbury, Conn.
Gem Stamped Steel Co., Chelsea, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Probst C. F. Mfg. Co., 530 Watertown av, Waterbury, Conn,
*See adv index at end of book*
Townsend Co., New Brighton, Pa.

## Rivets & Burrs (Brass & Copper)

See Rivets, Brass & Copper

## 12530— Road Binders & Preservatives

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Advance Oil Co., Oil City, Pa.
**Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.**
Amies Road Co. ("Amiscite" auto proof & Non-Slippery Asphaltic Concrete Compounds), Easton, Pa.
**Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.**
Barber Asphalt Paving Co. ("Trinidad"), Liquid & "Bermudez" Road Asphalt), Land Title bldg, Phila., Pa.
Barret Co. ("Tarvia" for Macadam & Gravel Roads), 17 Battery pl, New York
Central Commercial Co., 111 N Market, Chicago, Ill.
**Chatfield Mfg. Co. ("Tarcote"), Carthage, Cincinnati, O.**
Clarendon Refining Co., Clarendon, Pa.
**Dustoline For Roads Co. ("Dustoline" for Road), Summit, N. J.**
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Gulf Refining Co. ("Asphatoil"), Frick bldg annex, Pittsburgh, Pa.
Headley Good Roads Co. ("Biconac"), 301 S 39th, Phila., Pa.
Indian Refining Co. (For Macadam & Gravel Roads), 244 Madison av, New York
International Asphalt Co., 133 W Wash, Chicago, Ill.
**King Refining Co. (Oil), 58 Sutter, San Francisco, Cal.**
Lewis F. J. Mfg. Co. ("Lewis's" Road Tar), 2513 S Robey, Chicago, Ill. Works, Moline, Ill.
National Refining Co., Rose bldg, Cleveland, O.
National Refining Co., Cleveland, O.
Pennsylvania Paraffine Wks., Titusville, Pa.
Pierce Oil Co., Bank of Com. bldg., St. Louis, Mo.
Prime & Cook Petroleum Co. (Jobbers), 208 S La Salle, Chicago, Ill.
Pure Oil Co. ("Roadoil"), Lafayette bldg, Phila., Pa.
**Sinclair Refining Co., Conway bldg, Chicago, Ill.**
Solvay Process Co. ("Solvay" Granulated Calcium Chloride), Syracuse, N. Y.
Speare's Alden Sons Co. ("Tascoil"), Cambride, Mass.
Standard Asphalt & Rubber Co. ("Sarco"), 208 S LaSalle, Chicago, Ill.
Standard Oil Co. of Cal. ("Richmond" Road Oil), 200 Bush, San Francisco, Cal.
Standard Oil Co. of N. J. (Road Oils), 26 B'way, New York
Standard Oil Co. of N. Y. ("Standard" Asphalt, Emulsifying Macadam Binders & Road Oils), 555 W 25th, New York
Sun Co., Finance bldg, Phila., Pa.
**TEXAS COMPANY** ("Texaco," Macadam Binder, etc.), 17 Battery pl, New York
*See adv index at end of book*
United Gas Improvement Co. ("Ugite"), Broad & Arch, Phila., Pa.

ROAD BINDERS & PRESERVATIVES—continued

U. S. Asphalt Refining Co. ("Aztec" Road Binder), 90 West, New York
Wadsworth Stone & Paving Co. ("Kentuck" Road Asphalt for Macadam & Gravel Roads), Lambert & P R R, Pittsburgh, Pa.
Warren Refining Co., Warren, Pa.
Waverly Oil Works Co. (Oils), Pittsburgh, Pa. *See adv index at end of book*

## 12531— Road Levelers

Acme Road Machinery Co., Frankfort, N. Y.
American Road Machinery Co., Kennett sq, Pa.
**Baker Mfg. Co., 1000 Stanford av, Springfield, Ill.**
Elkhart Bridge & Iron Co., Elkhart, Ind.
Glide Road Machine Co., 501 S E Huron, Mineapolis, Minn.
Kilbourne & Jacobs Mfg. Co., Columbus, O. *See adv index at end of book*
Ohio Road Machinery Co. ("Shuart" Land & "Little Yankee," Contractors' Sub-Grade), Oberlin, O.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsbugh, Pa. *See adv index at end of book*
Schmeiser Mfg. Co., Davis, Cal.
Sidney Steel Scraper Co. ('Tongue Scraper, Leveler & Ditcher), Sidney, O.
Stroud & Co. ("Stroud"), Omaha, Neb.

## 12532—Road Machines & Graders

Acme Road Machinery Co. (Reversible), Frankfort, N. Y.
Adams J. D. & Co., Indianapolis, Ind.
American Road Machinery Co., Kennett sq, Pa.
Austin Bros., Atlanta, Ga.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Baker, Barron, Inc., 211 W Broadway, New York
Baker Mfg. Co. ("20th Century" Graders), 1000 Stanford av, Springfield, Ill.
Beach Mfg. Co., Charlotte, Mich.
Buckeye Traction Ditcher Co., Findlay, Ohio
Buffalo Springfield Roller Co., Springfield, Ohio
Case J. I. Threshing Machine Co., ("Case" Graders), Racine, Wis.
Chase Foundry & Mfg. Co. ("Chase Economy" Graders), 2700 S. Parsons av, Columbus, O. *See adv index at end of book*
Deere & Co. (Graders), Moline, Ill.
Dyar Supply Co., Cambridge, Mass. *See adv index at end of book*
Edwards C. D., Albert Lea, Minn.
Feenaughty Machine Co., Portland, Oregon.
Galion Iron Wks. & Mfg. Co. ("Galion," "Ideal," "Premium"), Galion, O.
Glide Road Machine Co., 501 S E Huron, Minneapolis, Minn.
Good Roads Machinery Co. ("Climax"), Kennett Square, Pa.
International Ditching & Road Machinery Co. ("Martin"), Owensboro, Ky.
Linder Grader Co. ("Linder" Steel Reversible), Matthews, Ind.
Little Giant Co. ("Little Giant"), Mankato, Minn.
**Marion Steam Shovel Co., P. O. Box 505, Marion, O.**
Monroe N. S. & Sons, Arthur, Ill.
Moore Bros. (Second Hand), 39 S La Salle, Chicago, Ill. *See adv index at end of book*
Ohio Road Machinery Co. ("Shuart," "Ohio," Reversible "Little Yankee," Land Graders), Oberlin, O.
Osgood Co., Marion, O.
Owensboro Ditcher & Grader Co., Owensboro, Ky.
Philip Rossman, Stockport, N. Y.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Port Huron Engine & Thresher Co., Port Huron, Mich.
Russell Grader Mfg. Co. ("Simplex Russell" Reversible & Elevating Graders), 2005 Univ. av, S E, Minneapolis, Minn.
Scholl, Julian, Co., 126 Liberty, N. Y.
Smith & Sons Mfg. Co., Kansas City, Mo.
Spokane Culvert & Tank Co., Spokane, Wash.
Stockland Road Machinery Co., Minneapolis, Minn.
Stroud & Co. (Blade Elevating Graders), Omaha, Neb.
Western Wheeled Scraper Co., Aurora, Ill.
Zeig. F. B. Mfg. Co. ("Panama" 2 & 4 Horse), Fredericksburg, O.

## 12533—Road Oilers or Distributors

American Road Machinery Co., Kennett sp, Pa.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Burlingame A. Co. (For Hot Asphaltic Oils), Worcester, Mass.
Cressy Walter ("Pillsbury"), Gloucester, Mass.
Daniels Road Oiling Co., 171 Westminster, Providence, R. I.
Etnyre E. D. & Co. ("Etnyre"), Oregon, Ill.
French Walter S., Moorestown, N. J.
International Motor Co., 262 W 64th, New York
Irish Wm. F., Elec. Supplies ("Johnson"), 130 W 32nd, New York
Kinney Mfg. Co., 3529 Washington, Boston, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
New England Contracting Co., Worcester, Mass.
Standard Mfg. Co. ("Johnston"), Worcester, Mass.
Studebaker Bros. Co. of Cal., 413 Mission, San Francisco, Cal.
Studebaker Corp., South Bend, Ind.
Union Iron Works ("Eldus" Hand Drawn), Hoboken, N. J.
Universal Road Machy. Co. ("Reliance"), Kingston, N. Y.
Van Dorn Iron Works Co. (For Oiling Streets), 2700 E 79th, Cleveland, O.

## 12534— Road Scarifiers

Acme Road Machinery Co., Frankfort, N. Y.
American Road Machinery Co., Kennett Square, Pa.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg., Philadelphia, Pa.
Buffalo Springfield Roller Co., Springfield, Ohio
Fuller-Lehigh Co., Fullerton, Pa.
Galion Iron Works & Mfg. Co., Galion, O.
Huber Mfg. Co., Marion, O.
Hvass Chas. & Co., 511 E 18th, New York
Ohio Road Machinery Co., Oberlin, O.
Port Huron Engine & Thresher Co. ("Port Huron"), Port Huron, Mich.
pine"), Kingston, N. Y.
Universal Road Machinery Co. ("Porcu-

## 12535—Road Scrapers (Drag & Wheel)

Acme Road Machinery Co. (Drag & Wheel), Frankfort, N. Y.
American Road Machinery Co., Kennett sp, Pa.
American Steel Scraper Co. ("American," "Banner," "Climax," "Triumph," "Victor," Drag & Wheel), Sidney, Ohio
Baker Mfg. Co. ("Baker Maney" 4 Wheel Scraper), 1000 Stanford av, Springfield, Ill.
Beach Mfg. Co., Charlotte, Mich.
Chattanooga Wheelbarrow Co. ("Southern" Drag & Wheel), Chattanooga, Tenn. *For branch offices see adv index at end of book*
Donaldson Bros. (Drag), Mount Clemens, Mich.
Fairbanks Co., 416 Broome, New York
Fischer & Hayes Rope & Steel Co., 742-744 Van Buren, Chicago, Ill. *See adv index at end of book*
Fresno Agri'l Wks. (Drag), Fresno, Cal.
Galion Iron Works & Mfg. Co. ("Universal," "Standard," "Ideal," "Competition," Adjustable Road Drag), Galion, Ohio.
Good Roads Machy. Co., Kennett sq, Pa.
Gowanda Architectural Works (Drag Only), Gowanda, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
Holt Mfg. Co. (Drag), Stockton, Cal.
Jackson Mfg. Co. (Drag Only), Fourth & Boyd, Harrisburgh, Pa. *See adv index at end of book*
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
**KILBOURNE & JACOBS MFG. CO.** (Pressed Bowl Drag & Wheel), Columbus, Ohio. *See adv index at end of book*
Lansing Co. (Steel), Lansing, Mich.
Lehr Agricultural Co. (Drag), Fremont, O.
Linder Grader Co., Matthews, Ind.
Mechanical Mfg. Co. ("Stubbs" Wheeled), Union Stock Yards, Chicago, Ill.
**PITTSBURGH-DES MOINES STEEL CO.** (Drag), Pittsburgh, Pa. *See adv index at end of book*
Road Supply & Metal Co. (Adjustable Road Drag & Stationary), Topeka, Kans.
Russell Grader Mfg. Co. (Road Drags), 2005 Univ av, S E, Minneapolis, Minn.
Sherwin E. C. & Son, Brandon, Wis.
Sidney Steel Scraper Co. ("Haslup," "Sidney," "Dreadnaught," "Ground Hog," "Vulcan," "S. S. S.," Square Back, "Great Western" & "Fresno"), Sidney, O.
Skow Mfg. Co. ("Newton" Drag), Newton, Ia.
Slusser-McLean Scraper Co. ("Leader"), Sidney, O.
Smith & Sons Mfg. Co. ("Royal" Drag & Wheel), Kansas City, Mo.
Stroud & Co., Omaha, Neb.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Toledo Wheelbarrow Co. ("Bull Frog," "Buckeye" & "Maumee"), 2400 B'way, Toledo O.
Western Wheeled Scraper Co. ("Western," "Columbian" Drag & Wheel), Aurora, Ill.
Wilder-Strong Implement Co. (Drag), Monroe, Mich.
Wyatt F. Mfg. Co. ("Jayhawk" Drags), Salina, Kans.
Zieg F. B. Mfg. Co. ("Panama" Drags), Fredericktown, O.

## 12536—Roasters (Coffee & Peanut)

See also Coffee, Peanut & Cocoa Bean Roasting Machines

Atsatt Bros. ("Acme"), Mattapoisett, Mass.
Bartholomew Co. ("Stunner," "Rival," "Ripper," "Nickel Mint" & "Boss" Peanut), Peoria, Ill.
Bay Gottfried, 537 W 50th, New York
Burns Jabez & Sons (C), 567 11th av, New York
Crandall Pettee Co. (P.), 135 Hudson, New York
Cretors C. & Co. (Peanut), 620 W 22d, Chicago, Ill.
Deer A. J. Co. ("Royal"), Hornell, N. Y.
Dunbar & Co. ("Chicago"), 2652 W Lake, Chicago, Ill.
Frazer Mfg. Co., 572 Henderson, Jersey City, N. J.
Geta M & Co., 162 1st, San Francisco, Cal.
Hart Wm., 34 Catherine, New York
Hilbert Machine Co. (P), 2116 Colerain av, Cincinnati, O.
Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
Hubbard S. B. Co., Jacksonville, Fla.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Kingery Mfg. Co. (Peanut Only), 420 E Pearl, Cincinnati, O.
Lally M. & Co. ("Peerless"), 29 W 3rd, Cincinnati, Ohio
Lambert Machine Co. (C. & P.), ("Lambert"), Marshall, Mich.
Long W. Z. Co., Springfield, O.
Meek Oven Mfg. Co. ("Meek" Gas for Peanuts), Newburyport, Mass.
Mills Thos. & Bro., Thompson & 8th, Phila., Pa.
Originator Manufacturing Co. ("Wheatcraft" Package & Roaster), 302 B'way, New York
Phillips & Buttorff Mfg. Co. (Peanut Only) Nashville, Tenn.
Stutsman R. O. Co., Des Moines, Ia.

## 12537—Roasters & Baking Pans

American Stamping & Enameling Co. ("Corona" Enameled Roasters) Bellaire, O.
Griswold Mfg. Co. (Iron), Erie, Pa.
National Enameling & Stamping Co. ("Nesco" Empire Pat'n), 411 5th av, New York
Republic Metalware Co., The ("Savory"), Buffalo, N. Y.
Silver & Co. ("Royal"), 304 Hewes, Brooklyn, N. Y.
Toledo Cooker Co. ("Ideal"), Toledo, O.

Wagner Mfg. Co. ("Wagner Ware," Oval & Round Cast Aluminum & Cast Iron), Sidney, O.
**Whitaker-Glessner Co. (Wheeling Corrugating Dept), Wheeling, W. Va.**

## 12538—Robes (Carriage & Lap)

**Ayres Wm. & Sons (Lap), 3rd & Cumberland, Phila., Pa.**
**Beckman N. O. Company (Wood Carriage & Automobile), Fulton rd, N W, Cleveland, O.**
**Buell Mfg. Co. (Carriafe, Woolen) St. Joseph, Mo.**
**Burlington Blanket Co. ("Sho-Fur"), Burlington, Wis.**
**Chase L. C. & Co., 89 Franklin, Boston, Mass.** *See adv index at end of book*
Comfort Auto Robe Co., Inc. ("Comfort" Shoulder Protecting, Automobile Robes & Weather-Proof Vests), Waterloo, N. Y.
Curtis & Van Bernuth Mfg. Co. (Carriage), 88 W B'way, New York
**Davis Geo. W. (Inc.) ("Davis" Woolen), Worcester, Mass.**
**Draper Bros. Co. (Waterproof Automobile & Carriage), Canton, Mass.**
**Esmond Mills, Esmond, R. I.**
**Eugene Woolen Mill Co., Eugene, Ore.**
**Goodyear Rubber Co. & Rubber Clothing Co. (Lap), 787 B'way, New York**
**Gordon J. P. Co. (Radiator & Engine), Columbus, O.**
**Hodgman Rubber Co. ("Hodgman") 8 W 40th, N. Y.**
Hoenigsberger A. ("Perfection" Automobile Shawl, Plush, Cloth, Silk, Fur), 16 S Market, Chicago, Ill.
**Holyoke Plush Co. (Plush), Holyoke, Mass.**
Huyck F. C. & Sons ("Kenwood"), Albany, N. Y.
Kay Thos. Woolen Mill Co., Salem, Ore.
**Kroh C. Z. Mfg. Co. ("Kroh" Storm), Toledo, Ohio.**
**Mianus Mfg. Co. (Plush Lap), Coscob, Conn.**
Wewichawanick Co. (Carriages), South Berwick, Me.
**New York Lap Rope Co., 219 Greene, New York**
**North Star Woolen Mill Co. (Carriage), 228 S 2d, Minneapolis, Minn.**
**Oregon City Mfg. Co. (Woolen Carriage), Oregon City, Ore.**
**Pollitz Le Fort & Keon, 3rd & Huntington, Philadelphia, Pa.**
**Riley Wm. B. & Co. (Carriage, Lap & Automobile), 238 Chestnut, Philadelphia, Pa.**
**Roy Woolen Co., Watervliet, N. Y.**
**Sanford Mills (Plush), Sanford, Me.**
**Saxonville Mills (Carriage), 93 Summer, Boston, Mass.**
**Shayne C. C. & Co. (Fur), 126 W 42nd, New York**
**Stafford's James Sons, Krams av, Phila., Pa.**
**Stroock Plush Co. (Plush), Newburgh, N. Y.**
**Wallace Hugh Co. (Cloth & Fur Carriage Robes), 2616 E Grand blvd, Detroit, Mich.**

## 12539— *Robes (Motor Car)

Chase L. C. & Co., 89 Franklin, Boston, Mass. *See adv index at end of book*

CHASE PLUSH AND WOOL MOTOR ROBES

## 12540— Rock Salt Mfrs.

**Retsof Mining Co., 2 Rector, New York**
Wadsworth Salt Co., Wadsworth, O.

## Rock Wool

**See Mineral Wool**

## 12540a— Rockers (Blotter)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS, 364 5th av, New York** *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## 12541— Rockers (Carboy)

Eimer & Amend ("Flaherty"), 205 3rd av, New York
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
McCord, Horace M. & Co. ("Union"), Lumber Exchange, Minneapolis, Minn.
New York Engravers Supply (Trunidon), 230 W 17th, New York.

## 12541a— *Rod Mills

**TRAYLOR ENGINEERING & MFG. CO.,** Allentown, Pa. *See adv index at end of book*

## Rods (Aluminum)

**See Aluminum, Sheets & Rods**

## 12542—Rods (Anchor or Guy)

American Equipment Co., Norristown, Pa.
Amos Chas. & Co., 640 Hart av, Detroit, Mich.
**Bethlehem Steel Co., So Bethlehem, Pa.**
**Bonney Vise & Tool Wks., Inc., Allentown, Pa.** *See adv index at end of book*
Cleveland City Forge & Iron Co., Cleveland, O.
Galvanized Products Co., Phillipsburgh, N. J.
**Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.**
**Hallett Iron Works ("Hallett"), Harvey, Ill.**
Hubbard & Co. (Drop Forged & Welded Eyes), 63d & Butler, Pittsburgh, Pa.
**Joslyn Mfg. Co. & Supply Co., Chamber of Com bldg, Chicago, Ill.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
**Line Material Co., South Milwaukee, Wis.**
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens), N. Y. *See adv index at end of book*
**Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.**
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
**New Castle Steel & Iron Co., Pittsburgh, Pa.**
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
**PITTSBURGH - DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
**Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.**
**Republic Iron & Steel Co., Youngstown, O.** *See Branch Offices Alphabetical Section*
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
**Smith Thos. Co., Worcester, Mass.**
Stolz Jos. & Son, Inc. (Anchor), 841 E 136th, New York
**Wrought Washer Mfg. Co., Milwaukee, Wis.**

## 12543— Rods (Awning)

Empire Galvanizing Co. (Galvanized), 2507 E Cumberland, Philadelphia, Pa.
Hubbard & Co. (Galvanized Iron), 63rd & Butler, Pittsburgh, Pa.
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 12543a— Rods (Bessemer)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.** *See adv index at end of book*
Frasse Peter A. & Co., Inc., 417 Canal, New York. Works: Hartford, Conn.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.

## 12544—Rods (Bessemer Coppered)

Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
**Washburn Wire Co., Phillipsdale, R. I.**
**Youngstown Sheet & Tube Co., Youngstown, O.**

## 12545— Rods (Black Steel)

**ALLOY STEEL PRODUCTS CORP., 19 W 44th, New York** *See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Kidd Drawn Steel Co., Aliquippa, Pa.

## 12546— Rods (Brace)

**American Equipment Co., Norristown, Pa.**
**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.** *See adv index at end of book*
**Pittsburgh Knife & Forge Co. (Car Frame), Ridge & Chateau, Pittsburgh, Pa.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Wrought Washer Mfg. Co., Milwaukee, Wis.**

## 12547—Rods (Brake Lever Connecting)

**Bethlehem Steel Co., So Bethlehem, Pa.**
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
**Cleveland City Forge & Iron Co., Cleveland, O.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
**Michigan Electric Welding Co. (Automobile Assemblies), 514 Hart, Detroit, Mich.**
**Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.**
**Western Steel Car & Foundry Co., 37 W Van Buren, Chicago, Ill.**

## 12548—Rods (Brass & Copper)

**ALLOY STEEL PRODUCTS CORP., 19 W 44th, New York** *See adv index at end of book*
**AMERICAN BRASS CO.,** Waterbury, Conn. *For branch offices see adv index at end of book*
**Besly Chas. H. & Co. (Jobbers), 120 N Clinton, Chicago, Ill.**
**Bridgeport Brass Co., Bridgeport, Conn.**
Bristol Brass Co. (Brass & Bronze), Bristol, Conn.
**CHASE METAL WORKS** ("Chase" also "Chamet" Bronze), Waterbury, Conn.
**CHASE ROLLING MILL CO** ("Chase" also Bronze), Waterbury, Conn.
Cleveland Brass & Copper Mills, Inc., Euclid, Cleveland, O.
Continuous Rolling Mills, Inc., Garwood, N. J.
Dallas Brass & Copper Co., 225 N Jefferson, Chicago, Ill.
**Detroit Copper & Brass Rolling Mills (Also Bronze), Clark av, nr Wabash R. R., Detroit, Mich.**
**French Mfg. Co. (Irregular Shapes & Solid Drawn), Waterbury, Conn.**
Gardner B. M. Co., Guardian bldg, Cleveland, O.
Great Lakes Steel Products Co., Inc., 431 Dearborn, Chicago, Ill.
Hough W. S., Jr., Co., 61 Peck, Providence, R. I.
**Hungerford U. T. Brass & Copper Co. ("Star," Yellow Metal & Tobin Bronze) 80 Lafayette, New York**
**Livermore Homer F., Inc., 85 Pearl, Boston, Mass.**
McKenna Brass Mfg. Co. (Jobbers), 1st av & Ross, Pittsburgh, Pa.
**Manhattan Brass Co., 332 E 28th, New York**
Marwedel C. W. (Jobbers), 76 1st, San Francisco, Cal.
**MERCHANT & EVANS CO. (Jobbers),** Washington av & 21st, Philadelphia, Pa. *See adv index at end of book*
**Metal Products Co., Inc., 100 So Jefferson, Chicago, Ill.** *See adv index at end of book*

ROD
Copper, Brass
Chicago Stock or Mill Shipment
METAL PRODUCTS CO.
100 South Jefferson Street, Chicago, Ill.

RODS (BRASS & COPPER)—continued
**Michigan Copper & Brass Co.** (Also Bronze), 1611 W Jefferson av, Detroit, Mich.
**MIDWEST BRASS & COPPER CO., INC.,** 480 Broome, New York
*See adv index at end of book*
**Mueller Metals Co.** (Brass), Port Huron, Mich.
**National Brass & Copper Tube Co., Inc.,** 639 Mission, San Francisco, Cal.
**New Jersey Tube Co.** (Brass Only), Harrison, N. J.
**North American Copper Co.,** 52 Vanderbilt av, New York
**Philadelphia Brass Co.,** East Downingtown, Pa.
**Plume & Atwood Mfg. Co., Waterbury,** Conn.
Randolph-Clowes Co. (Brass Only), Waterbury, Conn.
**Riverside Metal Co.** (Red & Yellow Brass, Brass Only), Riverside, N. J.
**Rome Brass & Copper Co.** (Brass & Bronze), Rome, N. Y.
Rome Wire Co. ("Rome Wire" & Bronze), Rome, N. Y. *See adv index at end of book*
**SCOVILL MFG. CO.** (Brass Only), Waterbury, Conn.
*See adv index at end of book*
Standard Steel & Wire Co., 549 W Washington blvd, Chicago, Ill.
*See adv index at end of book*
**Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.**
**Taunton-New England Copper Co.** (Copper Only), Taunton, Mass.
**TRUMPBOUR-WHITEHEAD BRASS & COPPER CO.,** 309-311 Canal, New York, & 43 No 7th, Phila., Pa.
*See adv index at end of book*
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
**Waclark Wire Co.** (Copper Only), 20 Exchange pl, New York
**Waterbury Rolling Mills, Waterbury, Conn.**
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
**WHITEHEAD METAL PRODUCTS CO.,** 67-73 Washington North, Boston, Mass.
*See adv index at end of book*
Williams & Co., Inc., 901-937 Pennsylvania av, N S, Pittsburgh, Pa.
*See adv index at end of book*

WILLIAMS & CO. INC.
PITTSBURGH, PA.

## 12549—Rods (Bridge & Roof)

**American Bolt Co., Birmingham, Ala.**
American Equipment Co., Norristown, Pa.
**Bayonne Bolt & Nut Co., Bayonne, N. J.**
*See adv index at end of book*
**Bethlehem Steel Co., So Bethlehem, Pa.**
**Cambria Steel Co.,** Widener bldg, Philadelphia, Pa.
**Cleveland City Forge & Iron Co., Cleveland, O.**
Fischer & Hayes Rope & Steel Co., 742-744 Van Buren, Chicago, Ill.
*See adv index at end of book*
Frelinger J. G. Iron Works, 115 W 2d, Cincinnati, O.
**Gary Screw & Bolt Co., Gary, Ind.**
**Graham Nut Co.,** 1317 W Carson, Pittsburgh, Pa.
Hastings Foundry & Iron Works, Hastings, Neb.
**Hedden Iron Construction Co.,** Lyons Farms, Newark, N. J.
Hoopes & Townsend Co., Broad & Bottonwood, Philadelphia, Pa.
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
Lake Erie Bolt & Nut Co., ft of E 63rd, Cleveland, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
**Lebanon Valley Iron & Steel Co., Lebanon,** Pa.
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens), N. Y.
*See adv index at end of book*
Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.
Michigan Bolt & Nut Works, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
**New Castle Steel & Iron Co., Pittsburgh,** Pa.
New England Bolt Co., Everett, Mass.
Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
*See adv index at end of book*
**Pawtucket Mfg. Co., Pawtucket, R. I.**
Payne's Bolt Works, 133 Howard, San Francisco, Cal.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av Pittsburgh, Pa.
Preble Edw., 103 Sumner, E B, Boston, Mass.
Racky Albert C., 531 S 5th av, Chicago, Ill.
Republic Auto Parts Co. (For Ford Cars), 81 Tench, Long Island City, New York
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
Roe & Conover, 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
**Scranton Bolt & Nut Co., Scranton, Pa.**
Smith A. L. Iron Wks, Chelsea, Mass.
Smith Thos. Co., Worcester, Mass.
Standard Parts Co., The, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Walker Mfg. Co., Racine, Wis.
**Wendt Albert H., 456 E 2d, Cincinnati, O.**
Worden-Allen Co., Pt Washington rd, Milwaukee, Wis.

## 12550— Rods (Bronze)

See also Rods, Manganese Bronze
**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
**Bridgeport Brass Co.,** Bridgeport, Conn.
**Cleveland Brass & Copper Mills, Inc.,** Euclid, Cleveland, O.
Continuous Rolling Mills, Inc., Garwood, N. J.
Cramp Wm. & Sons Ship & Engine Bldg. Co., Beach & Ball, Philadelphia, Pa.
**Fischer-Sweeney Bronze Co., Hoboken, N. J.**
Gardner B. M. Co., Guardian bldg, Cleveland, O.
**Livermore Homer F., Inc.,** 85 Pearl, Boston, Mass.
**MIDWEST BRASS & COPPER CO., INC.,** 480 Broome, New York
*See adv index at end of book*
**National Brass & Copper Tube Co., Inc.,** 639 Mission, San Francisco, Cal.
North American Copper Co., 52 Vanderbilt av, New York
Randolph-Clowes Co. (Marine, for Pistons, Shafting & Forging Stock), Waterbury, Conn.
**Riverside Metal Co., Riverside, N. J.**
**Rome Wire Co.** ("Rome Wire"), Rome, N. Y. *See adv index at end of book*
**SCOVIL MFG. CO.,** Waterbury, Conn.
*See adv index at end of book*
Titan Metal Co., Bellefonte, Pa.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

## 12551-2— Rods (Camber)

**Bethlehem Steel Co., So Bethlehem, Pa.**

## Rods (Carbon)

See Carbon Mfrs.

## 12553— Rods (Chair)

Corbin Screw Corp., New Britain, Conn.
Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.
National Screw & Tack Co., Stanton av, S. E. & C. P. Ry., Cleveland, O.
Reed & Prince Mfg. Co. (Wood Screw Point), Worcester, Mass.
Russell Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.

## 12553a— Rods (Conductor)

Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M & Sons, 2907 Carson, Pittsburgh, Pa.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 12554—Rods (Conduit Wiring & Cleaning)

Bissell F. Co. ("Security," Which Joint & Unjoint), Toledo, O.
Cleverly Electrical Wks, 17 N 17th, Phila. Pa.
Cope T. J. ("Cope's"), 1620 Chancellor, Philadelphia, Pa.
**DIAMOND EXPANSION BOLT CO.** ("Empire," "Go-Easy," "Trident"), 89 West, New York
*See adv index at end of book*
Meckel Fred L., 11 E 13th, Chicago, Ill.
National Metal Molding Co. (Automobile & Metallic), 1110 Fulton bldg, Pittsburgh, Pa.
Standard Underground Cable Co. ("Empire," Duct Rods), Westinghouse bldg, Pittsburgh, Pa.
Vaughn Machinery Co., Cuyahoga Falls, Ohio *See adv index at end of book*
Waldo Bros. & Bond Co. ("Felton"), 181 Congress, Boston, Mass.

## 12555— Rods (Connecting)

American Forge Works, Denver, Colo.
**Anderson Forge & Machine Co., Detroit,** Mich.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
**Bethlehem Steel Co., South Bethlehem, Pa.**
**Bonney Vise & Tool Wks., Inc., Allentown,** Pa. *See adv index at end of book*
**Boston Forge Co., E Boston, Mass.**
**Brylgon Steel Casting Co.** (Cast Steel), New Castle, Pa.
Carnegie Steel Company, Carnegie bldg, Pittsburgh, Pa.
**Chester Steel Castings Co.,** 407 Sanson, Phila., Pa.
**Cleveland City Forge & Iron Co., Cleveland, O.**
**Columbus Anvil & Forging Co., Columbus, O.**
Crucible Steel Co. of America (Forged), Oliver bldg, Pittsburgh, Pa.
Driggs-Seabury Ordnance Co., Sharon, Pa.
**Ellwood City Forge Co., Ellwood City, Pa.**
**Erie Forge Co.** (Forged), Erie, Pa.
**Graham Nut Co.,** 1317 W Carson, Pittsburgh, Pa.
**Hill-Smith Metal Goods Co.** ("H. S."), 82 Brookline av, Boston, Mass.
**Horsburgh Forge Co.,** 17310 St. Clair, Cleveland, O.
Ingalls-Shepard Forging Co., 332 S Michigan, Chicago, Ill.
**Ives Mfg. Co.** (Ford), Oswego, N. Y.
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
Kelter-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
**Kropp Forge Co.,** 2512 W 21st, Chicago, Ill.
**Laclede Steel Co.,** Arcade bldg, St. Louis, Mo.
**Ladish Drop Forge Co., Cudahy, Wis.**
**Lansing Forge Co., Lansing Mich.**
**Layman Pressed Rod Co., Inc.,** 25 Broad, New York.
**LEARD WM. CO.,** 16th & 5th av, New Brighton, Pa.
*See adv index at end of book*
Legler-Eilerman Co., Dayton, O.
Mesta Mach. Co. (Forged Steel), Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
**Ohio Forge Co.** (Forged), Cleveland, O.
**Pennington Geo. W. Sons,** 1699 Montgomery, San Francisco, Cal.
**Penna Forge Co.,** Jenks & Bath, Philadelphia, Pa.
**Pettibone, Mulliken & Co.,** 14 S Dearborn, Chicago, Ill.
**Phila. Steel & Forge Co.,** 50 Church, New York
**Pittsburgh Knife & Forge Co.** (Brake Lever), Ridge & Chateau, Pittsburgh, Pa.

Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.
Pollak Steel Co., Cincinnati, O.
Pratt & Letchworth Co., Buffalo, N. Y.
Reading Iron Co., Reading, Pa.
Richmond Forgings Corp. (Drop Forged), Richmond, Va.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Smith A. O. Corp (Drop Forged), Milwaukee, Wis.
Standard Gauge Steel Co., Beaver Falls, Pa.
Steel Products Co., 2206 Clarkwood av, S E, Cleveland, O.
Tindel-Morris Co., Eddystone, Pa.
Titusville Forge Co., Titusville, Pa.
Transue & Williams Steel Forging Corp. (Drop Forged), Alliance, O.
Union Drop Forge Co. (Drop Forged), 358 W Grand av, Chicago, Ill.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Western Drop Forge Co. (Drop Forged), P. O. Box 386, Marion, Ind.
Western Tool & Forge Co. (Automobile), Breckenridge, Pa.
Williams J. H. & Co., 3 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 12556— Rods (Core)

Advance Engineering Co., Metta av, Cleveland, O.
**FISHEL & MARKS CO.,** ft of Krakow av, Cleveland, O.
*See adv index at end of book*
Franklin Core Rod & Gagger Co., Franklin, Pa.

## 12557— Rods (Curtain)

American Ring Co., Waterbury, Conn.
Barrett W. C. & Bro. ("Barrett" Flexible), 603 N La Salle, Chicago, Ill.
Berbecker & Rowland Mfg. Co. (& Brass Curtain Fixtures), Waterville, Conn.
Blake Signal & Mfg. Co. ("Snap" Extension), 251 Causeway, Boston, Mass.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Fowler & Co., Worcester, Mass.
Gould-Mesereau Co. (Extension), 52 W 38th, New York
Henry C. P. Novelty Co. (Extension), 184 Early, Providence, R. I.
Jamestown Curtain Rod Co. ("Anchor"), Jamestown, N. Y.
Kirsch Mfg. Co., Sturgis, Mich.
Newell Mfg. Co. (Brass, Steel & Brass Plated Extension), Ogdensburg, N. Y.
Parker Wire Goods Co. (Sash & Drapery Extension), Worcester, Mass.
Richards Benj. & Co., Winsted, Conn.
Turner & Seymour Mfg. Co., Torrington, Conn.
Wickwire Spencer Steel Corp. ("Fowler"), Worcester, Mass.
*See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 12558— Rods (Dock)

American Equipment Co., Norristown, Pa.
Cleveland City Forge & Iron Co., Cleveland, O.
Continental Bolt & Iron Works, 2225 W 43rd, Chicago, Ill
Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.

## 12558a— Rods (Dowel)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 365 5th av, New York
*See adv index at end of book*

Established 1847 **E. B. ESTES & SONS**
Manufacturers of
**White Birch and Hardwood Dowel Rods**
Grooved and Pointed Furniture Dowel Pins, Beaded and Rope Twist Dowels, Spindles, Knobs, Betwells and Automatic Lathe Work for Furniture Factories.
164 5th AVENUE NEW YORK CITY

Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 12559— Rods (Drill)

Aborn Steel Co. (Regular & Special), 22 Clarke, New York
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**BLANKE A. C. & CO.** (Polished High Speed & Carbon), 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Boker H. & Co., Inc., 101 Duane, New York
Century Steel Co. of Am., Poughkeepsie, N. Y.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Crucible Steel Co. of America (Polished, Scoured, Lime-Finished High Speed Steel), Oliver bldg, Pittsburgh, Pa.
Frasse Peter A. & Co. (Inc.), ("Brunton's"), Also High Speed), 417 Canal, New York
Globe Wire Co. (Ltd.) (Polished), Sharpsburg, Pa.
Greaves Robt. K. & Co., 1336 W Washington blvd, Chicago, Ill.
*See adv index at end of book*
**HALCOMB STEEL CO.** (Crucible Steel), Syracuse, N. Y.
*See adv index at end of book*
Kidd Drawn Steel Co. (Polished, Square & Special), Aliquippa, Pa.
Lancaster Steel Products Co., Lancaster, Pa.
National Drawn Steel Co., East Liverpool, Ohio
National Tube Co. ("Shelby" Seamless Steel Tubing), Frick bldg, Pittsburgh, Pa.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Peerless Drawn Steel Co., Massillon, O.
Pittsburgh Tool Steel Wire Co. ("Monaca," "Champion"), Monaca, Pa.
**PURDY A. R. CO., INC.,** 130 Christopher, New York *See adv index at end of book*
**WETHERELL BROS. CO.,** 251 Albany, Cambridge, Mass.
*See adv index at end of book*
Wickwire Spencer Steel Corp. (High Speed Steel), Worcester, Mass.

## 12560—Rods (End Measuring)

Brown & Sharpe Mfg. Co., Providence, R. I.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.

## 12561— Rods (Eye)

See also Bolts, Hook & Eye

Anderson Forge & Machine Co., Detroit, Mich.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Cleveland City Forge & Iron Co., Cleveland, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens), N. Y.
*See adv index at end of book*
Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
St. Louis Screw Co., Clarence & Bulwer avs. St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.

## Rods (Fibre)

See Fibre, Hard

## 12562— Rods (Fishing)

Bogert & Hooper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Divine Fred D. Co., Utica, N. Y.
Estes E. B. & Sons (Wooden), 364 5th av, New York. *See adv index at end of book*
Heddon Jas. & Son ("Dowagiac"), Dowagiac, Mich.
Horrocks-Ibbotson Co., Utica, N. Y.
Horton Mfg. Co. ("Bristol," "Rainbow," "Luckie" Steel), Bristol, Conn.
Montague City Rod Co., Montague City, Mass.
Orvis Chas. F. Co. (Split Bamboo), Manchester, Vt.
Payne E. F. & Son, Highland Mills, N. Y.
Pepper John, Sr., Rome, N. Y.
Redifor Rod & Reel Co. ("Redifor," Bamboo & Hardwood), Warren, O.
Thomas Rod Co. ("Thomas" Split Bamboo), Bangor, Me.
Union Hardware Co. (Steel), Torrington, Conn.
Van Doren Mfg. Co. ("Champion" Steel), Chicago Heights, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 12563-4—Rods (Gauging & Wantage)

Kraft A. C. (Barrel), 323 W Lake, Chicago, Ill.
Lufkin Rule Co., Saginaw, Mich.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill.
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.

## Rods (Glass)

See Tubing, Glass

## Rods (Gun Cleaning)

See Tools, Gun Cleaning & Reloading

## Rods (Hard Fibre)

See Fibre, Hard

## 12565—Rods (Hollow Drill)

Crucible Steel Co. of America (Steel), Oliver bldg, Pittsburgh, Pa.
Plass L. Co., 132 Pearl, New York
Seamless Tube Co. of America (Seamless Cold Drawn Steel), Frick bldg, Pittsburgh, Pa.

## 12566— Rods (Hydrant)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Hauer J. B., 23 Richardson, Brooklyn, N.Y.
Hays Mfg. Co., Erie, Pa.
Salem Brass & Iron Mfg. Co., Salem, N. J
Sanitary Cesspool Co, 333 S 20th, Phila., Pa.

## 12567— Rods (Leveling)

Buff & Buff Mfg. Co., 98 Green, Jamaica Plains, Boston, Mass.
Chicago Steel Tape Co., 6231 Cottage Grove av, Chicago, Ill.
Gurley W. & L. E. (& Stadia Rods), Troy, N. Y.
Keuffel & Esser Co., Hoboken, N. J.

## 12568-9—Rods (Manganese Bronze)

American Manganese Bronze Co., 3501 Rhawn, Philadelphia, Pa.
Cramp Wm. & Sons Ship & Engine Building Co. ("Parson's" Beach & Ball), Phila., Pa.
Economy Welding Machine Co. ("Economy"), Kansas City, Mo.
Reeves Paul S. & Co. (Rolled), 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.

## 12570— Rods (Measuring)

Aloe A. S. Co., 513 Olive, St. Louis, Mo.
Brown & Sharpe Mfg. Co., Providence, R. I.
Elliott B. K. Co. (Level & Mine), 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Keuffel & Esser Co., Hoboken, N. J.
Pratt Engineering & Machine Co. (Acid), Atlanta, Ga.
Pratt & Whitney Co., Hartford, Conn.
Scott Olin (Est. of) (U. S. Standard), Bennington, Vt.
Slocomb J. T. Co., 35 Oxford, Providence, R. I.

## 12571— Rods (Mitre)

Disston Henry & Sons (Masons), Tacony, Phila., Pa.

## 12572— Rods (Monel Metal)

Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*

RODS (MONEL METAL)—continued

Electrical Alloy Co. (Round, Flat & Special Shapes), Morristown, N. J.
Monel Metal Products Corp. (Hot Rolled & Cold Drawn), Bayonne, N. J.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Phila., Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-73 Washington, N Boston, Mass.
*See adv index at end of book*
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av, Pittsburgh, Pa.
*See adv index at end of book*

## 12573—Rods (Morris Chair)

Berbecker & Rowland Mfg. Co. **(Brass),** Waterville, Conn.

## 12574—*Rods (Naval Bronze)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*

## 12574a— *Rods (Nickel)

Monel Metal Products Corp., Bayonne, N. J.
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av, Pittsburgh, Pa.
*See adv index at end of book*

## 12574b— Rods (Nickel Silver)

**AMERICAN BRASS CO.,** Waterbury, Conn. *See adv index at end of book*
Besly Chas. H. & Co. (Jobbers), 120 E Clinton, Chicago, Ill.
Bridgeport Brass Co., Bridgeport, Conn.
Chase Metal Works ("Chase"), Waterbury, Conn.
Chase Rolling Mill Co. ("Chase"), Waterbury, Conn.
Hough W. S., Jr., Co., 61 Peck, Providence, R. I.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
North American Copper Co., 52 Vanderbilt av, New York
Plume & Atwood Mfg. Co., Waterbury, Conn.
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
**SCOVILL MFG. CO.,** Waterbury, Conn.
*See adv index at end of book*
Seymour Mfg. Co., Seymour, Conn.
Shimer, McGlynn & Co., 19th & Washington av, Phila., Pa.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Phila., Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-73 Washington, N Boston, Mass.
*See adv index at end of book*

## 12574c—*Rods ("Nocolay" High Nickel Non-Corrosive Alloy)

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

## 12575—Rods (Phosphor Bronze)

Hough W. S. Jr. Co., 61 Peck, Providence, R. I.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
**MERCHANT & EVANS CO.,** Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
North American Copper Co., 52 Vanderbilt av, New York
**PHOSPHOR BRONZE SMELTING CO.,** 2200 Washington av, Philadelphia, Pa. Pa.
Reeves Paul S. & Co. (Rolled), 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
Seymour Mfg. Co., Seymour, Conn.
Shimer, McGlynn & Co., 19 & Washington av, Philadelphia, Pa.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 No 7th, Philadelphia, Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-73 Washington, North, Boston, Mass.
*See adv index at end of book*

## 12576— Rods (Piston)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Forge Works, Denver, Col.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Boston Forge Co. (Steel), E Boston, Mass.
Braeburn Steel Co. (Steel), Braeburn, Pa.
Bridgeport Brass Co. (Bronze), Bridgeport, Conn.
Brightman Mfg. Co., Columbus, O.
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Carbon Steel Co., ft 32d, Pittsburgh, Pa.
Chambersburg Engng Co. (Hammers), Chambersburg, Pa.
Columbia Steel & Shafting Co., Kirkwood, Pittsburgh, Pa.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Driggs-Seabury Ordnance Co., Sharon, Pa.
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
Erie Forge Co. (Heads, Hollow Bored or Solid), Erie, Pa.
Jones & Laughlin Steel Co. (Cold Rolled Steel), Ross, Pittsburgh, Pa.
Laclede Steel Co., Arcade bldg (Drop Steam Hammers), Federal Bank bldg, St. Louis, Mo.
Leard Wm. Co., New Brighton, Pa.
*See adv index at end of book*
National Forge & Tool Co., Irvine, Pa.
Penna. Forge Co., Jenks & Bath, Phila., Pa.
Phila. Steel & Forge Co., 50 Church, New York
Phosphor Bronze Smelting Co., 2200 Washington av, Phila., Pa.
Reading Iron Co., Reading, Pa.
Reeves Paul S. & Co. (Red & Yellow Brass, Bronze, also "Tubal" Manganese, Phosphor & Acid Resisting Bronze), 1415 Catharine, Phila., Pa.
Republic Iron & Steel Co. (Cold Drawn Polished Steel), Youngstown, O.
*See Branch Offices Alphabetical Section*
Riverside Metal Co. (Red & Yellow Brass, Bronze, Manganese Bronze, Phosphor & Acid Resisting Bronze), Riverside, N. J.
Standard Steel Wks. Co., Morris bldg, Phila., Pa.
Taunton-New Bedford Copper Co. (Yellow Metal), Taunton, Mass.
Titusville Forge Co., Titusville, Pa.
Union Drawn Steel Co. (Cold Drawn Steel), Beaver Falls, Pa.
Withers Foundry & Machine Works, Atlanta, Ga.

## Rods (Platinum)

See Platinum, Sheet & Wire

## 12577— Rods (Pump)

**AMERICAN STEEL & WIRE CO.,** 203 S La Salle, Chicago, Ill.
*See adv index at end of book*
American Well Works, Aurora, Ill.
Bliss & Laughlin, Harvey, Ill.
Bridgeport Brass Co. ("Crown"), Bridgeport, Conn.
Cook August D., Lawrenceburg, Ind.
Fitzsimons Co. (Polished Steel), Youngstown, O.
Jones & Laughlin Steel Co. (Cold Rolled Steel), Ross, Pittsburgh, Pa.
Norris W. C., Tulsa, Okla.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Reeves Paul S. & Co. (Red & Yellow Brass, Bronze, also "Tubal" Manganese, Phosphor & Acid Resisting Bronze), 1415 Catharine, Phila., Pa.
Republic Iron & Steel Co. (Cold Drawn Polished Steel), Youngstown, O.
*See Branch Offices Alphabetical Section*
Riverside Metal Co. (Red & Yellow Brass, Phosphor Bronze, Manganese & Acid Resisting Bronze), Riverside, N. J.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Taunton-New Bedford Copper Co. (Yellow Metal), Taunton, Mass.
Union Drawn Steel Co. (Cold Drawn Steel), Beaver Falls, Pa.
**WILLIAMS & CO. (INC.)** (Monel Metal), S Dearborn, Chicago, Ill.
Pa. *See adv index at end of book*

## 12577a— *Rods (Pure Malleable Nickel)

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

## 12578— Rods (Rake)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*

## 12579— *Rods (Resistance)

**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 12580— Rods (Rivet)

Carnegie Steel Co. (Open Hearth Steel), Carnegie bldg, Pittsburgh, Pa.

## 12581—Rods (Roller Bearing)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Union Drawn Steel Co. (Cold Drawn High Carbon Steel), Beaver Falls, Pa.
Washburn Wire Co., Phillipsdale, R. I.

## Rods (Rubber)

See Rubber Rods & Sheets

## 12582—Rods (Sash Curtain)

Res Mfg. Co. ("Res"), 2907 Meinecke av, Milwaukee, Wis.
**Turner & Seymour Mfg. Co., Torrington, Conn.**
Wickwire Spencer Steel Corp., Worcester, Mass.
*See adv index at end of book*
Wire Goods Co. (Adjustable), Worcester, Mass.

## 12583— Rods (Screw)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
**Disston Henry & Sons, Tacony, Phila., Pa.**
Fitzsimons Co. (Polished Steel), Youngstown, O.
**Jones & Laughlin Steel Co. (Steel Bessemer), Ross, Pittsburgh, Pa.**
Parker Chas. Co., Meriden, Conn.
Peck, Stow & Wilcox Co. ("Samson"), Southington, Conn.

## 12583a— Rods (Seat)

**Reed & Prince Mfg. Co., Worcester, Mass.**

## 12584— Rods (Sewer)

Bissell F. Co. ("Security," Which Joint & Unjoint With Attachable Tools), Toledo, O.
**Diener Geo. W. Mfg. Co., 40 Monticello** Co, Chicago, Ill.
Healey P. J., 39 Cortlandt, New York
Waldo Bros. & Bond Co. ("Felton"), 181 Congress, Boston, Mass.

## 12585— Rods (Side)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
**Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.**
**Erie Forge Co. (For Brick Machines), Erie, Pa.**
**Laclede Steel Co., Arcade bldg, St. Louis, Mo.**
Leard Wm. Co., New Brighton, Pa.
*See adv index at end of book*
Standard Steel Wks. Co., Morris bldg, Phila., Pa.

## 12586— Rods (Silo)

**American Equipment Co., Norristown, Pa.**
Erie Car Works, 1150 W 17th, Erie, Pa.
**Inland Steel Co. (Open Hearth Steel), First Nat'l Bank bldg, Chicago, Ill.**

**Kansas City Bolt & Nut Co., Kansas City, Mo.**
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.

## 12587— Rods (Stair)

**Berbecker & Rowland Mfg. (Brass Plated), Waterville, Conn.**
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York** *See adv index at end of book*
**Judd H. L. Co., 87 Chambers, New York**
**Kroder John & Hy. Reubel Co. (Wood, etc), 107 E 17th, New York**
**Turner & Seymour Mfg. Co. (Metal), Torrington, Conn.**

## 12588— Rods (Steel)

**ALLOY STEEL PRODUCTS CO.,** 19 W 44th, New York
*See adv index at end of book*
Columbia Steel Co., 503 Market, San Francisco, Cal.
Dominion Iron & Steel Co., Ltd., 15 John, New York
Ft. Wayne Iron Steel Rolling Mills, W Taylor, Ft. Wayne, Ind.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Rods (Steel Hammer)

**See Rods & Rams, Steel Hammer**

## 12589— Rods (Stove)

Adams Company (Jobbers), (Slotted Heads), Dubuque, Ia.
**American Screw Co., 21 Stevens, Providence, R. I.**
**Berry Bros. (And Seat), Columbus, O.**
**Boston Forge Co. (Steel), E, Boston, Mass.**
Braeburn Steel Co. (Steel), Braeburn, Pa.
**Brightman Mfg. Co., Columbus, O.**
**Cambria Steel Co., Johnstown, Pa.**
**Carbon Steel Co., ft. 32d, Pittsburgh, Pa.**
Columbia Steel & Shafting Co., Kirkwood, Pittsburgh, Pa.
**Corbin Screw Corporation, New Britain, Conn.**
Crucible Steel Co. of America, Oliver, bldg, Pittsburgh, Pa.
**Driggs-Seabury Ordnance Corp., Sharon, Pa.**
Fanner Mfg. Co., Cleveland, O.
Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
**Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.**
**Lamson & Sessions Co., 2188 Scranton rd, S W, Cleveland, O.**
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Screw & Tack Co., Stanton av S E & C. & P. Ry, Cleveland, O.
**Ohio Nut & Bolt Co., Berea, O.**
Reed & Prince Mfg. Co., Worcester, Mass.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
**Troy Nickel Works, Albany, N. Y.**
Upson Nut Co., Cleveland, O.
**Washburn Wire Co., Phillipsdale, R. I.**
**Wehrle Co., Newark, O.**

## 12590— Rods (Sucker)

American Well Works, Aurora, Ill.
Axelson Machine Co. ("Axelson"), Boyle av & Huntington Park, Los Angeles, Cal.
**Beede M. W. & Son, Jefferson, O.**
Bradford Supply Co., Bradford, Pa.
**Columbus Sucker Rod Co. (Wood, for Oil & Water Wells), Columbus, O.**
**Cook August D. (Wood), Lawrenceburg, Ind.**
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
Keystone Driller Co., Beaver Fall, Pa.
*See adv index at end of book*
Norris W. C., Tulsa, Okla.
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
**Vogan J. P., Franklin, Pa.**
Weinman Pump Mfg. Co. (Wood), 300 Spruce, Columbus, O.

## Rods (Tedder)

**See Rods, Rake**

## 12591— Rods (Threaded)

**American Equipment Co., Norristown, Pa.**
**Chicago Nut Co., 2513 W 20th, Chicago, Ill.**
Pawtucket Mfg. Co., Pawtucket, R. I.
Pheoll Mfg. Co., 3700 W 12th, Chicago, Ill.
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 12592— Rods (Tie)

**American Bridge Co. (For Steel Railways, Roofs, etc), 30 Church, New York**
**American Equipment Co., Norristown, Pa.**
**Ames W. & Co., Communipaw av, Jersey City, N. J.** *See adv index at end of book*
**Bayonne Bolt & Nut Co., Bayonne, N. J.**
*See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
**Cleveland City Forge & Iron Co., Cleveland, O.**
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**Foster Mfg. & Supply Co., 20th & Venango, Phila., Pa.**
Harrison Bolt & Nut Co., Harrison, N. J.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
**Illinois Car & Mfg. Co., 20 W Jackson blvd, Chicago, Ill.**
Interstate Bridge Forge & Mfg. Co., 207 Market, Newark, N. J.
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
**Maryland Bolt Co., Continental bldg, Baltimore, Md.**
Merrill Bros., 3 Arnold, Maspeth (Boro of Queens), N. Y.
*See adv index at end of book*
Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Mulvey Chas Mfg. Co., 1840 Carroll av, Chicago, Ill.
**New Castle Steel & Iron Co., Pittsburgh, Pa.**
**Pawtucket Mfg. Co., Pawtucket, R. I.**
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
**Republic Iron & Steel Co., Youngstown, O.**
*See Branch Offices Alphabetical Section*
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
**Roe & Conover, 206 Frelinghuysen av, Newark, N. J.**
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer, St. Louis, Mo.
**Scranton Bolt & Nut Co., Scranton, Pa.**
Simons & Mills, Inc., 25 Leonard, New York
Steel Car Forge Co. (Upset or Plain Threaded), Frick bldg, Pittsburgh, Pa. Works: Ellwood City, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Western Tool & Forge Co., Brackenridge, Pa.

## 12593—*Rods ("Tobin" Bronze & Copper)

**AMERICAN BRASS CO., Waterbury, Conn.**
***For branch offices see adv index at end of book***

## 12594— Rods (Towel)

**See also Racks, Towel**

American Tube & Stamping Co. (Removable, Adjustable, Can Be Made Any Length), Bridgeport, Conn.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons (Wooden), 364 5th av, New York** *See adv index at end of book*
Stephenson C. H. ("Stephenson" Glass & Metal), Lynn, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Rods (Truss)

**See Rods, Bridge & Roof**
*See adv index at end of book*

## 12594a— *Rods (Umbrella)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
**Estes E. B. & Sons (Wood), 364 5th av, New York.** *See adv index at end of book*

## 12595— Rods (Upset)

American Bridge Co., 30 Church, New York
**Bayonne Bolt & Nut Co., Bayonne, N. J.**
*See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonner Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
**Cleveland City Forge & Iron Co., Cleveland, O.**
Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.
Erie Car Works, 1150 W 17th, Erie, Pa.
**Gary Screw & Bolt Co. (With Upset or Plain Ends), Gary, Ind.**
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
**Illinois Car & Mfg. Co., 20 W Jackson blvd, Chicago, Ill.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
Michigan Bolt & Nut Works, ft of Meldrum, Detroit, Mich.
New Castle Steel & Iron Co., Pittsburgh, Pa.
O'Leary Arthur J. & Son Co., 65th & So. 57th av, Chicago, Ill.
Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
*See adv index at end of book*
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pitsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co. (With Upset or Plain Ends), Preble av, Pittsburgh, Pa.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Simons & Mills, Inc., 25 Leonard, New York
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Valley Forging Co., Verona, Pa.

## 12596—Rods (Ventilator Controlling)

Peters Jas. & Son, 1934 N Front, Phila., Pa.

## 12597—Rods (Vulcanized Fibre)

**See also Fibre, Hard**

American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.
**CONTINENTAL FIBRE CO.** (Also "Bakelite-Dilecto" & "Continental Bakelite"), Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO., Wilmington, Del.** Works: Marshallton, Del. *See adv index at end of book*
Diamond State Fibre Co., Bridgeport, Pa.
Nat'l Fibre & Insulation Co., Yorklyn, Del.

## 12598— Rods (Welding)

Atlas Foundry Co., Lyons av & Coit, Irvington, N. J. *See adv index at end of book*
Bierman-Everett Foundry Co., Irvington, N. J.
Boston Casting Co., 110 Broad, Boston, Mass
Carbic Mfg. Co. (Oxy-Acetylene), Duluth, Minn.
Connecticut Electric Steel Co., Inc. (Arc & Gas for Steel, Gas for Iron), Hartford, Conn.
Economy Welding Machine Co. (Aluminum, Brass, Cast Iron, Phosphor Bronze, Steel & Swedish Wire), Kansas City, Mo.
MacLleod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

RODS (WELDING)—continued

National Aluminum Co., Racine, Wis.
Ohio Electrolytic Oxygen Co. ("Armco"), 942 Kenyon av, Cincinnati, O.
Page Steel & Wire Co., Grand Central Terminal, New York

## 12599—Rods (White Metal)

Riverside Metal Co., Riverside, N. J.
Seymour Mfg. Co., Seymour, Conn.

## 12600— Rods (Wire)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
**AMERICAN STEEL & WIRE CO. (Of Open Hearth & Bessemer Steel), 208 S La Salle, Chicago, Ill.**
***See adv index at end of book***
Ashland Steel Co. (Bessemer Steel), Ashland, Ky.
**Atlantic Steel Co. (Open Hearth Steel), Atlanta, Ga.**
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
**Cambria Steel Co., Widener bldg, Phila., Pa.**
**Carpenter Steel Co., Reading, Pa.**
**Colorado Fuel & Iron Co., Denver, Colo.**
Dominion Iron & Steel Co., Ltd., 15 John, New York
**Gulf States Steel Co., Birmingham, Ala.**
**Illinois Steel Co., 208 S La Salle, Chicago, Ill.**
Interstate Iron & Steel Co. (Bessemer & Open Hearth), 104 S Michigan av, Chicago, Ill.
**Kokomo Steel & Wire Co. (Small), Kokomo, Ind.**
McInnes Charles E. & Co., Mariner & Mchts. bldg Phila., Pa.
Page Steel & Wire Co., Grand Central Terminal, New York
**Pittsburgh Steel Co., 5th av & Grant, Pittsburgh, Pa.**
**ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.**
***See adv index at end of book***
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*
Rownson, Drew & Clydesdale, Inc., 80 Wall, New York
Standard Underground Cable Co. (Copper Wire Only), Westinghouse bldg, Pittsburgh, Pa.
**Wasburn Wire Co., Phillipsdale, R. I.**
**Wickwire Bros., Cortland, N. Y.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 12601— Rods (Wood Saw)

**Disston H. & Sons, Tacony, Phila., Pa.**
Sargent & Co. ("Ajax"), New Haven, Conn.

## 12602—Rods (Yellow Metal)

**AMERICAN BRASS CO., Waterbury, Conn.**
***For branch offices see adv index at end of book***
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*

## 12603— Rods (Zinc)

**Edes Mfg. Co., Plymouth, Mass.**
Hough W. S. Jr., Co., 61 Peck, Providence, R. I.
**Merchant & Evans Co. (For Battery & Other Purposes), Washington av & 21st, Phila., Pa.**
*See adv index at end of book*
North American Copper Co., 52 Vanderbilt av, New York

## 12604—Rods & Rams (Steel Hammer)

**Bay City Forge Co., 1820 Cranberry,** Erie, Pa.
Bethlehem Steel Co., South Bethlehem, Pa.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O.
*See adv index at end of book*
**Erie Forge Co. (Enlarged Base, Rectangular), Erie, Pa.**
Hammond Steel Co., Inc., Syracuse, N. Y.
**Titusville Forge Co., Titusville, Pa.**

## 12605—Roll Bars & Bed Plates (Paper Mill Engine)

American Knife Co., Baldwinsville, N. Y.
Anderson Knife & Bar Co., Anderson, Ind.
Bolton John W. & Sons, Inc., Lawrence, Mass.
Clark H. C. & Son Machine Co., Lee, Mass.
**Dayton Beater & Hoist Co., Dayton, Ohio**
*See adv index at end of book*
Dillon Machine Co., Lawrence, Mass.
**Dilts' Machine Works (Special Alloy Roll Bars for Beating Engines), Fulton,** New York
**Dowd R. J. Knife Works, Beloit, Wis.**
**Eagle Knife & Bar Co., Lawrence, Mass.**
**Hankey A. & Co., Rochdale, Mass.**
**Holyoke Bar Co., Holyoke, Mass.**
**Horne J. H. & Sons Co., Lawrence, Mass.**
**Mills Machine Co., Lawrence, Mass.**
**Noble & Wood Machine Co., Hoosic Falls,** N. Y.
**Shartle Bros. Machine Co., Middletown, O.**
Simonds A. A. & Son Co., Dayton, O.
**SIMONDS MFG. CO., Fitchburg, Mass.**
***See adv index at end of book***
Stolz Jos. & Son, Inc. (Bed Plates), 841 E 136th, New York
**Taylor, Stiles & Co., Riegelsville, N. J.**

## 12606—Roll Grinding & Corrugating

**Acme Mill Works, Greensboro, N. C.**
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Am. Metallic Packing Co., Lexington, Ky.
Barnard Mfg. Co., Spokane, Wash.
Barnard & Less Mfg. Co., Moline, Ill.
Barry-Wehmiller Machinery Co., 4660 Florissant, St. Louis, Mo.
Buffalo Engine Co., Buffalo, N. Y.
Caldwell W. E. Co., Louisville, Ky.
Cornelius Mill Furnishing Co., 11119 N 6th, **St. Louis, Mo.**
**Harrisburg Roll Grinding & Corrugating** Co., Harrisburg, Pa.
**Nashville Machine Co., Nashville, Tenn.**
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Noye Bros. Co., Buffalo, N. Y.
Reilly A. E., 179 Eagle, Buffalo, N. Y.
Rochester Roll Grinding & Corrugating Co., Rochester, N. Y.
Salem Foundry & Machine Works, Salem, Va.
Salt Lake Iron & Steel Co., **Salt Lake City,** Utah
**Simpson-Orville Co., Cincinnati, O.**
Sprout, Waldron & Co., Muncy, Pa.
Starr B. F. Co., 445 Guilford av, Baltimore, Md.
Strong-Scott Mfg. Co., 413 S 3rd, Minneapolis, Minn.
Western Foundry & Machine Works, Topeka, Kans.
**Wolf Co., Chambersburg, Pa.**

## 12607— Roller Coasters

Ingersoll Construction Co., 324 4th av, Pittsburgh, Pa.
Rundle Novelty Co., 142 N 3rd, Columbus, O.

## Roller Mills

**See Mills, Roller Grinding**

## 12608— Roller Skate Parts

Worcester Pressed Steel Co., Worcester, Mass.

## 12609—Roller & Pulverizer Combined

**Bucher & Gibbs Plow Co., Canton, O.**
Crookston Mfg. Co., Crookston, Minn.
Dunham Co. ("Dunham"), Berea, O.
Fulton Machine Co. ("The Cyclone"), Canal, Fulton, O.
**Ohio Cultivator Co. (Sizes 6, 7½, 9, 12 ft.), Bellevue, O.**
Peterson Mfg. Co., Kent, O.
Sterling Mfg. Co., Sterling, Ill.

## 12610— Rollers (Awning)

Columbia Mills, Inc., 225 5th av, **New** York
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book*

## 12611— Rollers (Barn Door)

**American Foundry & Mfg. Co., 11th &** Hebert, St. Louis, Mo.
**Arnold Co., Norwalk, Conn.**
Cheney S. & Son, Manlius, N. Y.
**Hunt, Helm, Ferris & Co., Harvard, Ill.**
**Lawrence Bros., ("Union," "Faultless"),** Sterling, Ill.
**National Mfg. Co., Sterling, Ill.**
**Ney Mfg. Co., Canton, O.**
**Penn Hardware Co., Reading, Pa.**
**Reading Hardware Co., Reading, Pa.**
**Sargent & Co., New Haven, Conn.**
**Swineford G. A. Co., Canton, O.**
**Wrightsville Hardware Co., Wrightsville, Pa.**

## 12612—Rollers (Barn Door, Stay)

Aurora Door Hanger & Specialty Co., Aurora, Ill.
Frantz Mfg. Co. ("Glide"), Sterling, Ill.
Myers F. E. & Bro., 900 Fourth, Ashland, O. *See adv index at end of book*
National Mfg. Co., Sterling, Ill.
Penn. Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co. ("Richards-Wilcox"), Aurora, Ill.
Sargent & Co., New Haven, Conn.
Stowell Co., The, So. Milwaukee, Wis.

## 12613— Rollers (Cable)

**(For Pulling in Cables)**

Bissell F. Co., Toledo, O.
**Fairmount Electric & Mfg. Co, 59th & Woodland av, Phila., Pa.**
Specialty Device Co. ("Bierce"), 106 W 3rd, Cincinnati, O.

## Rollers (Car Curtain)

**See Rollers & Fixtures, Car Curtain**

## 12614—Rollers (Car Door Lumber)

American Logging Tool Co., Evart, Mich.
Zelnicker Walter A. Supply Co. ("Zelnicker"), 325 Locust, St. Louis, Mo.

## 12614a— Rollers (Caster)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York. ***See adv index at end of book***

## 12615— Rollers (Concrete)

Bonney Vise & Tool Wks., Allentown, Pa.
*See adv index at end of book*
Buffum Tool Co. ("Swastika," Bush Hammer, Indentation, etc), South Side, Louisiana, Mo.
Crescent Novelty Mfg. Co. ("Crescent," also Fancy Rollers for Walls & Walks, Bronze & Iron), 703 S B'way, St. Louis, Mo.
Heltzel Steel Form & Iron Co. (Road), Warren, O.
Kramer Bros. Foundry Co. ("Gem" Hand Rollers for Cement Sidewalks), Dayton, O.
Ransome Concrete Machinery Co., Dunellen, N. J.

## Rollers (Copper Printing)

See Textile Machinery, Etc

## 12616—Rollers (Drawer, Ball Bearing)

**Pressed Steel Mfg. Co. ("Knipe"), The** Land Title bldg, Phila., Pa.

## 12617-8— Rollers (Fibre)

American Vulcanized Fibre Co., Equitable bldg, Wilmington, Del.
Nation Insulation & Fibre Co., Yorklyn, Del.
**SPAULDING J. & SONS CO., INC.** (Hard Fibre), P. O. Box 52, Tonawanda, N. Y. *See adv index at end of book*

## Rollers (Flue)

See Expanders, Tube

## 12619—Rollers (House Movers')

Brunner & Lay (also Machinery Movers'), 570 W Polk, Chicago, Ill.
La Plant-Choat Mfg. Co. (also machinery movers), Cedar Rapids, Ia.
Ransome Concrete Machinery Co. (Also Machinery), Dunellen, N. J.

## 12620— Rollers (Incline)

Gustafson Mfg. Co., Chattanooga, Tenn.

## 12621—Rollers (Land & Field)

American Bell & Foundry Co., Northville, Mich.
American Road Machinery Co., Kennett sq, Pa.
American Scale Co., Kansas City, Mo.
Ames Plow Co., Quincy Hall, Boston, Mass.
Arnold's W. G. Son, Ionia, Mich.
Avery B. F. & Sons, Louisville, Ky.
Barley Thos. K., Sedalia, Mo.
Beatrice Iron Works, Beatrice, Neb.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Brillion Iron Works, Brillion, Wis.
Brinly Hardy Co., Louisville, Ky.
Bucher & Gibbs Plow Co. (Steel, T-Bar, Tubular, Clod Crushers & Pulverizers), Canton, O.
Buch's A. Sons Co., Elizabethtown, Pa.
Conner J. W. & Son (Cast-Head & Bolted Plank), Orangeville, Pa.
Dayton-Down Co., Quincy, Ill.
Deats Hiram Jr., Pittstown, N. J.
Donaldson Bros. (Iron & Wooden), Mount Clemens, Mich.
Duisdieker Foundry & Mfg. Co. (Clod Crushers), Pekin, Ill.
Dunham Co. ("Water-Weight"), Berea, O.
Everts Mfg. Co., Meridian, N. Y.
Gale Mfg. Co. (Steel or Wooden Frame), Albion, Mich.
Genesee Valley Mfg. Co., Mount Morris, N. Y.
Gowanda Agricultural Works, Gowanda, N. Y.
Greenville Implement Co., Greenville, Mich.
Harder Mfg. Co., Cobleskill, N. Y.
Harriman Mfg. Co., Harriman, Tenn.
Imboden Harrow & Roller Co., Cleona, Pa.
King Drill Mfg. Co., Nebraska City, Nebr.
Lehr Agricultural Co. (Steel Shell), Fremont, O.
Massey-Harris Harvester Co., Batavia, N. Y.
Messinger Mfg. Co., Tatamy, Pa.
Mountville Mfg. Co. ("Superior"), Mountville, Pa.
Munnsville Plow Co. (Steel or Wood), Munnsville, N. Y.
Ohio Cultivator Co., Bellevue, O.
Patterson Mfg. Co., Holly, Mich.
Peek's S. H. Sons, East Aurora, N. Y.
Peterson Mfg. Co., Kent, O.
Tipson Wm. & Son, Youngstown, N. Y.
Sheer E., Lincoln, Ill.
Sherwin E. C. & Son, Brandon, Wis.
Tanner D. F., Holland, N. Y.
Thornburgh Mfg. Co. ("Champion" & "National"), Bowling Green, O.
Topeka Foundry & Iron Works (For Packing Soil), Topeka, Kans.
Weaver & Co. ("Ideal"), New Oxford, Pa.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wilder-Strong Implement Co., Monroe, Mich.
Works Henry (Machinists'), Honeoye Falls, N. Y.

## Rollers (Lawn Mower)

See Rollers, Wood

## 2622—Rollers (Lawn & Garden)

merican Road Machinery Co., Kennett sq, Pa.
mes Plow Co., Quincy Hall, Boston, Mass.
uch's A. Sons Co. ("Keystone"), Elizabethtown, Pa.
uffalo Springfield Roller Co. (Landscape Only, Steam & Gasoline), Springfield, O.
onaldson Bros. Mount Clemens, Mich.
unham Co. ("Water Weight" Cast Iron & Steel), Berea, O.
owanda Agricultural Works, Gowanda, N. Y.
arriman Mfg. Co. ("Keystone"), Harriman, Tenn.
ansing Co., Lansing, Mich.
essinger Mfg. Co., Tatamy, Pa.
ott J. L. Iron Works, Trenton, N. J.
mith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
ppplee-Biddle Hardware Co., 510 Commerce, Philadelphia, Pa.
vett A. L. Iron Works, Medina, N. Y
hitehurst R. W. Mfg. Corp. ("Boss") Norfolk, Va.
ilder-Strong Implement Co., Monroe Mich.

## 12623— Rollers (Lumber)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Logging Tool Co., Evart, Mich.
Basic Mfg. Co., Wilmington, Del.
Ransome Concrete Machinery Co. (Double Extension), Dunellen, N. J.

## 12624— Rollers (Mangle)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
Coudersport-Mangle Roller Mfg. Co., Coudersport, Pa.
Estes E. B. & Sons, 364 5th av, New York.
*See adv index at end of book*

## 12624a— Rollers (Map)

Estes E. B. & Sons, 364 5th av, New York.
*See adv index at end of book*

## 12625— Rollers (Mine)

Hardwood Mine Roller Co., Punxsutawney, Pa.
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.

## 12626—Rollers (Paper Hangers')

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Bullock Mfg. Associates, Springfield, Mass.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stortz Jno. & Son, 210 Vine, Phila., Pa.

## 12627—Rollers (Paper Machine)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Empire Tire & Rubber Corp., Trenton, N. J. *See adv index at end of book*
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Revere Rubber Co., Chelsea, Mass.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## 12628-9—Rollers (Pipe)

Dunham Co. (Also Tee Bar Rollers), Berea, O.
Falls Rivet Co., Kent, O.
Grabler Mfg. Co. (Cast Iron, also Roller Hangers & Bolts, etc.), Cleveland, O.
Pittsburgh Valve Foundry & Construction Co., 26th & A. V. RR., Pittsburgh Pa.
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book*

## 12630— Rollers (Puddling)

Buffalo Springfield Roller Co., Springfield, Ohio
Universal Road Machinery Co. ("Universal" for Reservoir & Embankment Work), Kingston, N. Y.

## 12630a— Rollers (Pulley)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes, E. B. & Sons (Wood), 364 5th av New York. *See adv index at end of book*

## 12631—Rollers (Reversible Road)

American Road Machinery Co., Kennett Sq, Pa.
Enterprise Co., Columbiana, O.

## 12632—Rollers (Road, Horse Power)

Acme Road Machinery Co., Frankfort, N. Y.
American Road Machinery Co., Kennett sq, Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Case J. I. Threshing Machine Co. ("Case"), Racine, Wis.
Elkhart Bridge & Iron Co., Elkhart, Ind.
Enterprise Co., Columbiana, O.
Galion Iron Works & Mfg. Co., Galion, O.
Universal Road Machinery Co. ("Universal" Plain & Reversible), Kingston, N. Y.

## 12633—Rollers (Road, Kerosene)

Acme Road Machinery Co., Frankfort, N. Y.
Buffalo Springfield Roller Co. (and gasoline) ("Kelly-Springfield"), Springfield, O.

## 12634—Rollers (Rubber Covered)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Continental Rubber Works, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mattson Rubber Co., Lodi, N. J.
Miller Rubber Co., Akron, O.
N. J. Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
Plymouth Rubber Co., Canton, Mass.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## 12635-6— Rollers (Sash)

Corbin P. & F., New Britain, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.

## 12637— Rollers (Shade)

American Shade Roller Co. (Self-Acting), 151 33d, Brooklyn, N. Y.
Bailey & Weston, 81 Washington N, Boston, Mass.
Ball Bearing Shade Roller Co. ("Independent" Ball Bearing), Naugatuck, Conn.
Columbia Mills Inc. ("Quaker"), 225 5th av, New York
Cowles C. & Co. (Carriage, etc), New Haven, Conn.
Hartshorn Stewart Co., Grand av, Newark, N. J.
Haviland Shade Roller Co., 407 Broome, New York
Standard Shade Roller Co. (Also Accessories), Ogdensburg, N. Y.
Vermont Shade Roller Co., Burlington, Vt.

## 12637a— Rollers (Skate)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 12638—Rollers (Sliding Door)

Richards-Wilcox Mfg. Co., Aurora, Ill.

## 12639—Rollers (Steam Asphalt)

Acme Road Machinery Co., Frankfort, N. Y.
Barber Asphalt Paving Co. ("Iroquois"), Land Title Bldg., Phila., Pa.
Buffalo Springfield Roller Co. (Steam & Gasoline), Springfield, O.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Universal Road Machinery Co., Kingston, N. Y.

## 12640—Rollers (Steam Golf Course)

Barber Asphalt Paving Co. ("Iroquois"), Land Title Bldg., Phila., Pa.
Buffalo Springfield Roller Co. (Steam & Gasoline), Springfield, O.

## 12641—Rollers (Steam Road)

Acme Road Machinery Co., (Gasoline Roller), Frankfort, N. Y.
American Road Machinery Co. ("Monarch"), Kennett Square, Pa.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Baker A. D. Co., Swanton, O.
Barber Asphalt Paving Co. ("Iroquois"), Land Title Bldg., Phila., Pa.
Buffalo Springfield Roller Co. ("Buffalo-Pitts"), Springfield, O.
Erie Machine Shops, Erie, Pa.
Galion Iron Works & Mfg. Co., Galion, O.

ROLLERS (STEAM ROAD)—continued

Green L. A., First Natl. Bank bldg, Pittsburgh, Pa.

Huber Mfg. Co. ("New Huber" Comb. Road Roller & Traction Engine), Marion, O.

Moore Bros. (Second Hand), 39 S La Salle, Chicago, Ill. *See adv index at end of book*

Pioneer Machine Works (Jas. Hartley, Prop.), 75 Delavan, Brooklyn, N. Y.

Port Huron Engine & Thresher Co., Port Huron, Mich.

Universal Road Machinery Co., Kingston, N. Y.

Wheeling Mold & Foundry Co., Wheeling, W. Va.

## Rollers (Towel)

See Racks, Towel

## 12642— *Rollers (Trolley)

See also Fibre, Hard

Continental Fibre Co. ("Bakelite-Dilecto" Hard Fibre), Newark, Del. *See adv index at end of book*

**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*

## 12643— Rollers (Wood)

Bogert & Hopper (Caster, Lawn Mower, Map, Pulley, Skate, etc), 57 Barclay, New York *See adv index at end of book*

**ESTES E. B. & SONS** (Caster, Mangle, Massage, Paperhangers', Lawn Mower, Map, Pulley, Skate, etc), 364 5th av, New York *See adv index at end of book*

Nashua Spool & Bobbin Co. (Stone Machinery & House Moving), Grove Hall Station, Boston, Mass.

Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.

Southern Roller, Stave & Heading Co. (Black Gumwood), Elizabeth City, N. C.

Stevenson Mfg. Co. (Lawn Mower, etc), South Bend, Ind. *See adv index at end of book*

Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 12644—Rollers & Fixtures (Car Curtain)

**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**

## 12645— Rollers & Pinions

Chester Steel Casting Co., Chester, Pa.

Erie Forge Co., Erie, Pa.

Newell Mfg. Co., 149 B'way, New York

**NUTTALL R. D. CO.**, McCandless & Harrison av, Pittsburgh, Pa. *See adv index at end of book*

## 12646—Rollers & Print Blocks for Wall Paper, Etc.

Bay, Gottfried (Oil Cloth, etc), 537 W 50th, New York

## 12647—Rolling Mills (Brass & Copper)

See also Rolling Mills, Iron & Steel

American Brass Co., Waterbury, Conn. burgh, Pa.

Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.

Benson H. K. & F. S., Glen Ridge, N. J.

Bridgeport Brass Co., Bridgeport, Conn.

Bristol Brass Co. (Brass, German silver, Bronze, etc.), Bristol, Conn.

**CHASE METAL WORKS** (Rod, Wire, Sheet, Tubing, Brass & Bronze, Nickel-Silver). Waterbury, Conn.

**CHASE ROLLING MILL CO** (Rod, Wire, Sheet, Tubing, Brass & Bronze, Nickel-Silver), Waterbury, Conn.

Connecticut Brass & Mfg. Corp., Waterbury, Conn.

Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.

Detroit Copper & Brass Rolling Mills, Clark av nr Wabash R. R., Detroit, Mich.

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa. bldg.

Manhattan Brass Co. (Brass & Bronze), 332 E 28th, New York

Michigan Copper & Brass Co., 1611 W Jefferson av, Detroit, Mich.

Mueller Metals Co. (Brass), Port Huron, Mich.

National Brass & Copper Co., Lisbon, O. Mass.

**NEW ENGLAND BRASS CO.**, Taunton, Mass.

Somers Co., Inc., Waterbury, Conn.

Stanford Rolling Mills Co., Inc., Springdale, Conn.

New England Brass Co., Taunton, Mass.

New Haven Copper Co. (Copper Only), Seymour, Conn.

New Jersey Tube Co., Harrison, N. J.

Plume & Atwood Mfg. Co., Waterbury, Conn.

Randolph-Clowes Co., Waterbury, Conn.

Rome Brass & Copper Co., Rome, N. Y.

**SCOVILL MFG. CO.** (Brass Only), Waterbury, Conn. *See adv index at end of book*

Seymour Mfg. Co. (Brass & German Silver), Seymour, Conn.

Taunton-New Bedford Copper Co., Taunton, Mass.

Waterbury Rolling Mills, Waterbury, Conn.

Wise J. B. Inc. (Brass), Watertown, N. Y.

## 12648—Rolling Mills (Continuous)

**Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.**

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

Morgan Construction Co., Worcester, Mass.

**MORGAN ENGINEERING CO.**, Alliance, O. *See adv index at end of book*

Standard Machinery Co., Providence, R. I.

Treadwell Engineering Co., Easton, Pa. *See adv index at end of book*

**Continuous Rolling Mills**
COMPLETE
INSTALLATIONS.
**Treadwell Engineering Co.**
EASTON, PENNA.

United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.

## 12649—Rolling Mills (Iron & Steel)

See also Rolling Mills, Brass & Copper

(References following Names indicate Main or Executive Offices. For subclassification of this industry, see Specific Article Wanted in Index of Contents)

### ALABAMA.

ALABAMA CITY—Gulf State Steel Co. (See Birmingham)

BIRMINGHAM — Connors-Weyman Steel Co. (Steel Bars & Hoops, Cotton Ties, etc)

Gulf States Steel Co. (Billets, Blooms, Slabs, Staples, etc), Mills: Alabama City

Republic Iron & Steel Co. (See Youngstown, O.)

Tennessee Coal, Iron & R. R. Co. (Steel Billets, Blooms, Slabs, Angles, Channels, Tees, Bar, Plates, Sheets, etc)

HELENA — Conners-Weyman Steel Co. (See Birmingham)

SHEFFIELD—Sloss-Sheffield Steel & Iron Co. (See Birmingham, Ala.)

### CALIFORNIA.

BLACK DIAMOND—Columbia Steel Co. (See San Francisco, Cal.

LOS ANGELES—Southern California Iron & Steel Co. (Steel Bar Only), 4th & Mateo

SAN FRANCISCO—Baker, Hamilton & Pacific Co. (Bar & Band Iron), (Jobbers), 7th & Townsend. Works: Portland, Ore.

Columbia Steel Co., 503 Market. Mills: Pittsburg, Cal.

Pacific Coast Steel Co. (Open Hearth Steel Merchant Bars, Round, Square & Flat, Steel Deformed Bars Reinforced Concrete Steel Angles & Light Rails), Rialto

Pacific Rolling Mills, 17th & Mississippi.

### COLORADO.

DENVER—Colorado Fuel & Iron Co. (Billets, Blooms, Iron & Steel Rails, Bars, Sheets, Plate Bands, Hoops, etc)

PUEBLO—Colorado Fuel & Iron Co. (See Denver)

### CONNECTICUT.

BRIDGEPORT—American Chain Co. (Bar Iron Light T Rails, Chains, etc)

American Tube & Stamping Co. (Open Hearth Steel Billets, Hot & Cold Rolled Strip Steel, for Springs, Cutlery, etc)

BRISTOL—**BARNES WALLACE CO.** High Carbon Tempered & Untempered & Cold Rolled Spring Steel) *See adv index at end of book*

COLLINSVILLE—Collins Co. (Bar Iron All Consumed by the Company)

NEW BIRTAIN — **STANLEY WORKS** Hot & Cold Rolled Strip Steel) *See adv index at end of book*

SOUTHINGTON—Aetna Nut Co. (Merchants' Bar Iron, etc)

UNIONVILLE—Union Rolling Mill Co. Merchant Bar Iron) (See Cleveland, O.)

Upson Nut Co. (Basic Open Hearth Steel Bars)

### DELAWARE.

WILMINGTON—McCullough Iron Co. (Sheet Steel, Black Galvanized Painted & Corrugated Roofing & Siding), Equitable bldg

### GEORGIA.

ATLANTA—Atlantic Steel Co. (Steel Bands, Hoops, Cotton Ties, Bars etc)

### ILLINOIS.

CHICAGO—Blancke A. C. & Co., 116 S Michigan av *See adv index at end of book*

Columbia Tool Steel Co. (Crucible Tool & Machinery Steel & Open Hearth Steel for Special Requirements), 307 S Clinton.

Illinois Steel Co. (Steel Billets, Blooms, Slabs, Ingots, Structural Shapes, Rails, Plates, Bars & Band), 208 S La Salle

Indiana Steel Co. (Open-Hearth Billets, Blooms, Ingots, Rails, Bars, Structural Shapes, Plates, etc), 208 S La Salle

Inland Steel Co. (Open Hearth Steel Blooms, Billets, Slabs, Structural Angles, Channels & Beams, Universal Plates, Merchant Bars, Plates, Black Sheets, Galvanized Sheets, Corrugated Sheets, Roofing & Siding, Track Bolts & Spikes, Tie Plates, etc), 38 S Dearborn

Interstate Iron & Steel Co. (Open Hearth Steel Billets, Rods & Wire Mills), 104 So. Michigan av

Interstate Iron & Steel Co. (Iron & Steel Bars, Agricultural Implement Steel, Angles, Channels, Tees, Reinforcing Steel Bars, etc). Works: 104 S Michigan, East Chicago, Ind.

Phoenix Horse Shoe Co. (Horse Shoes), 209 S La Salle, Mills: Joliet, Ill., & Poughkeepsie, N. Y.

Pullman Co. (Product All Consumed By the Company), Pullman bldg

Republic Iron & Steel Co., 332 S Michigan av (See Youngstown, O.)

Sellers Mfg. Co. (Tie Plates, etc), 332 S Michigan av

CHICAGO HEIGHTS—Calumet Steel Co. (Bessemer Bar Steel, Light Rails, Angles, Channels, etc), 208 S La Salle

Inland Steel Co. (See Chicago)

EVANSTON—Mark Mfg. Co. (Wrought Iron Pipe & Boiler Tubes) Works: Zanesville, O.

GRANITE CITY—National Enameling & Stamping Co. (See New York)

OLIET—American McKenna Process Co. (See Milwaukee, Wis.)
Phoenix Horse Shoe Co.
KEWANEE—Welworth Mfg. Co. (See Boston, Mass.)
MOLINE—Republic Iron & Steel Co.
WAUKEGAN—American Steel & Wire Co. (See Chicago, Ill.)

### INDIANA.

NDERSON—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
American Steel & Wire Co. (See Chicago, Ill.)
AST CHICAGO—Interstate Iron & Steel Co. (See Chicago, Ill.)
Republic Iron & Steel Co. (See Youngstown, O.)
LWOOD—American Steel & Tin Plate Co. (See Pittsburgh, Pa.)
ORT WAYNE—Ft. Wayne Iron Steel Rolling Mill Corp. (Bar Iron & Steel, etc), West Taylor
*See adv index at end of book*
ARY—Indiana Steel Co.
NDIANA HARBOR—Inland Steel Co. (See Chicago, Ill.)
OKOMO—Kokomo Steel & Wire Co. (Steel Wire, Rods & Nails, etc)
UNCIE—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
Republic Iron & Steel Co. (See Youngstown, O.)
EW ALBANY—Ohio Falls Iron Co. (Merchants' Bar & Staybolt Iron)
EW CASTLE—Indiana Rolling Mill Co. (High Carbon Sheet Steel)
ERRE HAUTE—Highland Iron & Steel Co. (Merchants' Bar Iron & Steel)
INCENNES—National Rolling Mill Co. (Scrap Bar & Finished Iron & Steel Bar)

### KENTUCKY.

SHLAND—Ashland Steel Co. (Bessemer Steel Billets & Slabs, Wire Rods)
Norton Iron Works (Cut & Wire Nails), Wire & Nail Plates)
OUISVILLE—Ewald Iron Co. (Charcoal Iron)
EWPORT—Andrews Steel Co. (Open Hearth Billets, Slabs, Ingots, Sheet & Tin Plate Bars)
Newport Rolling Mill Co. (Black & Galvanized Sheet Steel)

### LOUISIANA.

EW ORLEANS—Lukens Steel Co.

### MARYLAND.

UMBERLAND—Cumberland Steel Co. (Cold Rolled Steel, Polished Steel Shafting, etc)
Taylor N. & G. Co. (See Phila., Pa.)
United States Rail Co. (Renewed Light Steel Rails)

### MASSACHUSETTS.

OSTON—Ames Shovel & Tool Co. (Shovel Plate & Blanks, all consumed by the Company), Ames bldg.
Sylvester Co. (Merchant Bar Iron, Spikes, Bolts, Tie Rods), 141 Milk
PENCER—Spencer Wire Co. (See Worcester, Mass.)
EST WAREHAM—Tremont Nail Co. (Open Hearth Steel Ingots, Nail Plate, Tack Plate, Shovel Plate & Strip Steel, Cut Nails & Supplies)
ORCESTER—**AMERICAN STEEL & WIRE CO.** (Washburn & Moen Branch) See Chicago
*See adv index at end of book*
**COES LORING & CO. (INC.)** (Hot Rolled & Welded Materials for Knives, Dies, etc), Coes sq
*See adv index at end of book*
Wickwire Spencer Steel Corp. (Annealed, Bright, Coppered, Tinned & Galvanized Wire
*See adv index at end of book*

### MICHIGAN.

ORIAN—Page Steel & Wire Co. (Open Hearth Steel Ingots, Wire Rods, etc)
ETROIT—American Car & Foundry Co. (See St. Louis, Mo.)
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless Steel Tubes), Warren & Wyoming
*See adv index at end of book*

### MISSOURI.

KANSAS CITY—Kansas City Bolt & Nut Co. (Bar Iron, ½ inch to 3 inch Rounds & Squares, 1 inch by 3-16 inch to 6 inch by 2 inch flats, Bolts, Nuts, etc)
ST. LOUIS—American Car & Foundry Co. (Merchant Bar Iron & Band Rod & Guide Iron), Syndicate Trust bldg.
Laclede Steel Co. (Hard Steel Bars, Reinforcing Bars, Ag'l Shapes, Bedstead Angles, Hot Rolled Strip, etc), Arcade bldg.

### NEW JERSEY.

CHROME—Chrome Steel Works (Steel Plates, Angles & Bars, etc)
DOVER—Ulster Iron Works (Merchant Bar & Staybolt Iron)
ELIZABETH—Singer Mfg. Co. (Product Rounds, Flats, etc, all Consumed by the Company)
JERSEY CITY—Ames W. & Co., Communipaw av. (Bar Iron, Bolts, Tie Rods, Spikes, etc)
*See adv index at end of book*
Crucible Steel Co. of America, ft Grand av. (Spalding & Jennings, Branch) (See Pittsburgh, Pa.)
NEWARK—Heller Bros. Co., 879 Mt. Prospect av. (High Speed Tool Steel)
PERTH AMBOY—Pardee C. Works (Open Hearth Steel Billets, Blooms, Merchant Bars & Cold Rolled Shafting, etc)
PHILLIPSBURG—American Horse Shoe Co. (High Grade Horse Shoes, etc)
ROCKAWAY—Rockaway Rolling Mill (Bar Iron & Steel; also Double Refined Bar Iron)
TRENTON—**ROEBLING JNO. A. SONS CO.** (Steel & Copper Wire & Steel Wire Rods)
*See adv index at end of book*

### NEW YORK.

AUBURN—Tuttle Chas. W. (Merchant Bar Iron & Horse Shoe Iron), ft McMaster
BUFFALO—Lackawanna Steel Co. (Steel Billets, Blooms, Rails, Beams, Anchor Bars, etc)
Seneca Iron & Steel Co. (Black & Pickled Sheet Steel)
COHOES — Cohoes Rolling Mill Co. (Wrought Iron Pipe & Merchant Bar Iron)
CORTLAND—Wickwire Bros. (Billets, Wire, Nails, Rods & Staples, etc)
DUNKIRK—Atlas Crucible Steel Co. (High Grade Crucible Steels, Steel only)
LOCKPORT—**SIMONDS MFG. Co.** (Crucible Steel Saw Plates & Sheets, all consumed by the Company)
*See adv index at end of book*
Westerman & Co. (Bar Iron Rounds, Squares, Hexagons)

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Miller & Van Winkle (Cold Rolled Steel & Steel Wire), 18 Bridge
Wurster F. W. & Co. (Iron & Steel Bars, Axles, etc), 375 Kent av

#### Boroughs of Manhattan and Bronx.

NEW YORK—American Bridge Co., 30 Church
Consolidated Rolling Mills & Foundries Co., 25 Broad
Dominion Iron & Steel Co. Ltd. (Steel Billets, Rails, Bars, Rods, Wire Rods, Steel Plates, etc), 15 John
Lalance & Grosjean Mfg. Co. (Black Sheets, Plates & Tin Plate, all Consumed by the Company), 299 B'way. Mills: Harrisburg, Pa.
National Enameling & Stamping Co. (Mfrs. Sheet Steel for their Own Consumption), 411 5th av. Works: Granite, Ill., & St. Louis, Mo.
Page Steel & Wire Co., Grand Central Terminal *See adv index at end of book*
Philadelphia Steel & Forge Co. (Rolled & Hammered Steel Bars, Tool Steel, Die Blocks, Rolled Shapes, etc), 50 Church. Works: Tacony, Phila., Pa.
Rail Joint Co. (Rail Joints, Tram Rails), 61 B'way. Works: Troy, N. Y.
Railway Steel Spring Co. (Open Hearth Steel Ingots, Merchant Steel Tire & Spring Steel, etc), 30 Church
Rome Iron Inc. (Puddled Iron & Band, Hoop, Staybolt & Engine Bolt Iron), 30 Church. Mill: Rome, N. Y.
Singer Sewing Machine Co., 149 B'way. Works: Elizabeth, N. J.
Washburn Wire Co. (Steel Wire, etc.), ft E 118th. (See Phillipsdale, R. I.) (End of New York City)
POUGHKEEPSIE—Phoenix Horse Shoe Co.
ROME—Rome Merchant Iron Mill. (See New York City)
SYRACUSE—Crucible Steel Co. of America (Sanderson Bros. Works, Tool Steel.) (See Pittsburgh, Pa.
Eckels-Nye Steel Co. (Merchant Steel)
**HALCOMB STEEL CO.** (Crucible & High Grade Steel)
*See adv index at end of book*
Syracuse Crucible Steel Co. (Tool Steel)
TONAWANDA—Buffalo Steel Co. (Bessemer Steel Bars, Agricultural Steel, Angles, Channels, etc)
TROY—Burden Iron Co. (Bar Iron, Horse & Mule Shoe, Rivets, Boiler Only, etc.)
Rail Joint Co. (See New York)
WATERVLIET—Ludlum Steel Co. (Pure Carbon Crucible Tool Steel)

### OHIO.

BELLAIRE—Carnegie Steel Co. (See Pittsburgh, Pa.)
CAMBRIDGE—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
**AMERICAN STEEL & WIRE CO.** (See Chicago)
*See adv index at end of book*
Interstate Iron & Steel Co. (See Chicago, Ill.)
CANTON—Berger Mfg. Co. (Sheet Iron & Steel, etc)
Canton Sheet Steel Co. ("Winir" Black & Galvanized Steel Sheets, Pickled Steel Sheets, etc)
Carnahan Tin Plate & Sheet Co. (Tin Plate & Sheet Steel for Tinning, etc)
Stark Rolling Mill Co. (Black & Galvanized Open Hearth Steel & Toncan Metal Sheets)
**UNITED ALLOY STEEL CORP.** (Open Hearth & Electric Alloy Steel Bars, Billets, Blooms & Slabs)
*See adv index at end of book*
United Engng. & Fdry. Co. (See Pittsburgh, Pa.)
CLEVELAND—American Sheet & Tin Plate Co., Bessemer bldg. (See Pittsburgh, Pa.)
American Steel & Wire Co., Western Reserve bldg. (See Chicago, Ill.)
*See adv index at end of book*
Cleveland Hardware Co. (Manufacture for their Own Consumption) Lakeside av, & E 45th
Empire Rolling Mill Co. (Iron & Steel Bar), Bessemer & C. & P. Ry., ft. of E 63d
Lake Erie Bolt & Nut Co. (Bar Iron, Bolts, Nuts, etc), ft of E 63d
Otis Steel Co. (Open Hearth Steel Plates), Leader-News bldg
Republic Iron & Steel Co., Leader News bldg. (See Youngstown, O.)
Union Rolling Mill Co. (Refined Bar Iron; also Bolt, Nut, Rivet, Iron & Structural Steel), Aetna rd & E 82d
Upson Nut Co. (Basic open Hearth Steel Bars)
CLEVES—Cincinnati Horse Shoe & Iron Co. (Horse Shoes & Bar Iron)
COLUMBUS—Carnegie Steel Co. (See Pittsburgh, Pa.)
Standard Chain Co. (See Pittsburgh, Pa.)
CUYAHOGA FALLS—Falls Hollow Staybolt Co. (Hollow & Solid Staybolt Bars, Staybolts, etc)
DOVER—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
DRESDEN—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
EAST LIVERPOOL—National Drawn Steel Co. (Cold Drawn Steel)

OHIO—continued

ELYRIA—Columbia Steel Co. (Cold Rolled Steel Bars, Sheets, Strips, etc)
Elyria Iron & Steel Co. (High Carbon Steel Angles & Tubing, Track Spikes, etc), Mussey rd
IRONTON—Belfont Iron Works Co. (Cut & Wire Nails, Barbed, Plain & Galvanized Wire)
Kelly Nail & Iron Co. (Cut & Wire Nails, Spikes, Staples, Barbed, Plain & Galvanized Wire)
National Tube Co. (See Pittsburgh, Pa.)
LORAIN—National Tube Co.
MARION—Interstate Iron & Steel Co. (See Chicago, Ill.)
MARTINS FERRY—American Steet & Tin Plate Co. (See Pittsburgh, Pa.)
Whitaker-Glessner Co. (See Wheeling, W. Va.)
MASSILLON—Massillon Rolling Mill Co. (Bessemer & Open Hearth Black Sheets)
Peerless Drawn Steel Co. (Drill Rods, Cold Drawn Steel, etc)
MIDDLETOWN—American Rolling Mill Co. ("Armco") (Sheet Iron & Steel, Black & Galvanized, etc)
MINGO JUNCTION—Carnegie Steel Co. (See Pittsburgh, Pa.)
NEWARK—Buckeye Rolling Mill Co. (See Steubenville)
NEW PHILADELPHIA—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
NILES—Carnegie Steel Co. (See Pittsburgh, Pa.)
SALEM—American Steel & Wire Co. (See Chicago, Ill.)
STEUBENVILLE—Buckeye Rolling Mill Co. (Light Rails & Track Accessories). Mills: Newark, O.
La Belle Iron Works (Pipe & Tube Mills, Steel Sheet Bar, Steel Skelp, Cut Nails, Spikes, Pig Iron, etc.)
Weirton Steel Co. (Black Plates or Sheets for Tinning). (See Weirton, W. Va.)
WARREN—Trumbull Steel Co. (Open Hearth Ingots, Blooms, Billets, Slabs, Bars, Tin Plate, Long Terne Sheets, Black & Galv. Flat Sheets, Painted, Galv. Formed Roofing Products, Hot & Cold Rolled Strip Steel)
Warren Iron & Steel Co. (High Carbon Steel Sheets & Shovel Plate)
WELLSVILLE—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
YORKVILLE—Wheeling Steel & Iron Co. (Tin Plate).
YOUNGSTOWN—Brier Hill Steel Co. (Slabs, Blooms, Billets, Sheet & Tin Bars, Sheared Plates, Blue Annealed, Black, Galv. & Corrugated Sheets & Formed Roofings)
Republic Iron & Steel Co. (Bar Iron & Steel Bolts, Screws, Railroad Spikes, Turnbuckles, Cold Rolled Steel Angles, Channels, Tees, etc.)
*See Branch Offices Alphabetical Section*
Sharon Steel Hoop Co. (Sheet Steel, Black & Corrugated Roofing & Siding, etc.)
Youngstown Sheet & Tube Co. (Iron & Steel Sheets, Black & Galvanized, Wrought Iron Pipe, Wire Rods, Billets, Muck Bar, Skelp, Pig Iron, etc.)
ZANESVILLE—American Rolling Mill Co. (See Middletown, O.)
Mark Mfg. Co. (See Evanston, Ill.)

## PENNSYLVANIA.

ALIQUIPPA—Crucible Steel Co. of America (See Pittsburgh)
Kidd Drawn Steel Co. (Steel Wire, Polished Drill Rods, Polished Needle Wire, Black Steel Rods, etc)
Vulcan Crucible Steel Co. (High Grade Crucible & Acid Open Hearth Steel & Forged Products, etc)
ALLENTOWN—American Steel & Wire Co. (See Chicago, Ill.)
ALTOONA—Altoona Iron Co. (Bar, Hoop, Band & Oval, Half Oval, Round & Scroll)
AMBRIDGE—American Bridge Co. (See Pittsburgh, Pa.)
APOLLO—Apollo Steel Co. (Iron & Steel Sheets, Flat & Galvanized, Corrugated)
AUBURN—Delaware Seamless Tube Co. (Hollow Seamless Billets, Boiler Tubes, Hollow Staybolt Stock & Seamless Tubing)
BEAVER FALLS—Ames Shovel & Tool Co. (See Boston, Mass.)
Pittsburgh Seamless Tube Co. (Seamless Steel Tubes & Steel Blanks for Mfg. of Steel Tubes)
Union Drawn Steel Co. (Cold Rolled Steel, Cold Drawn & Polished Steel Shafting, etc)
BIRDSBORO—Brooke E. & G. Iron Co. (Muck Bar, Skelp Iron & Cut Nails)
BLANDON—Blandon Rolling Mills (See Est. of Simon Seyfert, Reading, Pa.)
BRACKENRIDGE—Allegheny Steel Co. (See Pittsburgh, Pa.)
West Penn Steel Co. (Steel Sheets, Electrical Steel Sheets, Automobile Sheets, Steel Sheet Bars, etc)
BRADDOCK—American Steel & Wire Co. (See Chicago, Ill.)
Carnegie Steel Co. (See Pittsburgh, Pa.)
BRAEBURN—Braeburn Steel Co. (Crucible & Fine Open Hearth Tool Steel, Spring, Hammer & Machinery Steel & Forgings, etc)
BRIDGEVILLE—Universal Rolling Mill Co. (Crucible & Open Hearth Steel Shovel, Sheets & Plow Slabs, Shapes & Discs)
BURNHAM—Logan Iron & Steel Co., St. Girard bldg. (See Phila., Pa.)
Standard Steel Works Co. (See Phila., Pa.)
BUTLER—Standard Steel Car Co. (See Pittsburgh, Pa.)
CANONSBURG—Canonsburg Steel & Iron Works (Sheet Iron & Steel, Tin & Terne Plate, etc)
Standard Tin Plate Co. (Tin & Terne Plate)
CARNEGIE—Superior Steel Co. (Hot & Cooled Rolled Strip Steel)
COATESVILLE—Lukens Steel Co. (Open Hearth Billets, Ingots, Slabs, Steel Boiler, Tank & Bridge Plates, Sheared & Universal Plates)
Midvale Steel & Ordnance Co. (Steel Boiler & Tank Plate, Sheared Plates, Boiler Tubes, etc). Head office, Widener bldg, Phila., Pa.
COLONA—Colonial Steel Co. (See Pittsburgh, Pa.)
COLUMBIA—Edwards Edward T.
**JANSON STEEL & IRON CO.** (Bar Iron & Steel)
CONSHOHOCKEN—Wood Alan Iron & Steel Co. (See Phila., Pa.)
Wood J. & Bros. Co. (Iron & Steel Sheets & Light Plates, Locomotive Jacket, Corrugated Bath Boiler, Gas Holder, Pickled Blue Annealed Tank & Electrical Sheet Iron & Steel, etc)
CORRY—McInnes Steel Co. (Ltd.) (Hammered Crucible Tool Steel; Also High Speed & Oil Hardening Steel)
DANVILLE—Danville Structural Tubing Co. (Structural Tubing)
Pennsylvania Brake Beam Co. (Special Shapes for Brake Beams, Deck & I Beams)
Reading Iron Co. (See Reading, Pa.)
DONORA—American Steel & Wire Co. (See Chicago, Ill.)
Carnegie Steel Co. (See Pittsburgh, Pa.)
DUQUESNE—Carnegie Steel Co. (See Pittsburgh, Pa.)
ELLWOOD CITY—National Tube Co. (See Pittsburgh, Pa.)
ERIE—United States Horse Shoe Co. (Billets & Iron Steel Bars for the Mfr. of Horse Shoes)
ETNA—Spang, Chalfant & Co. (See Pittsburgh, Pa.)
GLASSPORT—Pittsburgh Steel Co. (See Pittsburgh, Pa.)
GREENVILLE—National Tube Co. (See Pittsburgh, Pa.)
HARRISBURG—Central Iron & Steel Co. (Iron & Steel Bridge, Boiler, Tank, Ship & Fire Box Plate, etc)
**HARRISBURG PIPE & PIPE BENDING CO.** (Open Hearth Steel Billets, Ingots, Skelp, Slabs, Shovel Plate, Sheet Bars, etc), Herr nr. 10th
Lalance & Grosjean Mfg. Co. (See New York City)
HAYS—Monongahela Tube Co. (See Pittsburgh, Pa.)
HOMESTEAD—Carnegie Steel Co. (See Pittsburgh, Pa.)
HOOPERSTON—Hoopes & Townsend Co. (See Phila., Pa.)
PENNSYLVANIA—continued
HYDE PARK—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
JOHNSTOWN—Cambria Steel Co. (Steel Beams, Bars, Angles, Channels, Tees, Cold Rolled Steel, etc), Main Office: Philadelphia, Pa.
Lorain Steel Co. (Light Rails & Street Ry. Track Materials)
KITTANNING—Kittanning Iron & Steel Mfg. Co. (Muck Bar)
LANCASTER—**LANCASTER STEEL PRODUCTS CORP.**
*See adv index at end of book*
LATROBE—Vanadium Alloys Steel Co. (High Speed & Vanadium Steel)
LEBANON—Lebanon Valley Iron & Steel Co. (Bar Iron & Muck & Scrap Bar)
LEECHBURG—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
McKEESPORT—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
Firth-Sterling Steel Co. ("Blue Chip" Fine Crucible Tool Steel)
McKeesport Tin Plate Co. (Tin Plate & Black Plate for Tinning). Works: Port Vue, Pa.
National Tube Co. (See Pittsburgh, Pa.)
McKEES ROCKS—Lockhart Iron & Steel Co. (See Pittsburgh, Pa.)
MIDLAND—Pittsburgh Crucible Steel Co. (Steel Bars, Car Axles, etc)
MILESBURG—McCoy-Linn Iron Co. (Bar Iron, Wire, Wire Rods, Chains, etc)
MILTON—American Car & Foundry Co. (Merchants Bar Iron) (See St. Louis, Mo.)
Milton Mfg. Co. (Merchant Bar Iron, Bolts, Nuts, Rivets, etc)
MONACA—Pittsburgh Tool Steel Wire Co. (Drawn Tool Steel for Twist Drills, Taps, etc)
MONESSEN—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
Carnegie Steel Co. (See Pittsburgh, Pa.)
Page Steel & Wire Co. of N. J. (See Adrian, Mich.)
*See adv index at end of book*
Pittsburgh Steel Co. (See Pittsburgh, Pa.)
MONONGAHELA—Liggett Spring & Axle Co. (See Pittsburgh, Pa.)
NEW CASTLE—Carnegie Steel Co. (See Pittsburgh, Pa.)
Elliott, Blair Steel Co. (Cold & Hot Rolled Strip Steel, etc)
NEW KENSINGTON—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)
NORTHUMBERLAND—Van Alen & Co. (Iron Steel, Cut Nails & Spikes, etc)
PARKESBURG—Parkesburg Iron Co. (Charcoal Boiler Tube, Iron Skelp)
PENCOYD—American Bridge Co. (Steel Beams). (See Pittsburgh, Pa.; also Phila., Pa.)
PHILADELPHIA—American Bridge Co. (Steel Beams, Angles, Channels, Tees, Zees, Bar Steel, etc) Widener bldg. (See also Pittsburgh, Pa.)
Cambria Steel Co. (Steel Beams, Bars, Angles, Channels, Tees, Cold Rolled Steel, etc), Widener bldg.
Davis Bros. (Bar Iron, Angle Iron Up to 2 Inches, Spikes, etc.), 29th & Bristol
Disston Henry & Sons (Tool & Sheet Steel, Cold Rolled & Cold Drawn Steel, etc), Tacony
Hoopes & Townsend Co. (Bar Iron & Steel Bolts, Rivets, Rods, etc), Broad & Buttonwood; Works also at Hooperstown, Pa.
Hughes & Patterson (Bar Iron Specialties & Skelp Iron, Bands, Hoops & Rods) 800 Richmond
Illingworth Jno. Steel Co. (Crucible, Hammerer & Rerolled Steel Bars & Sheets for Tools, Saws, Knives & Files; also Rerolled Swedish & Norway Iron; also Rerolled & Hammered Open Hearth Steel) Tacony & Lewis

Logan Iron & Steel Co. (Bar & Staybolt Iron, Iron Angles, Crow Bars, Links & Pins, Drill Rods, etc), St. Girard bldg. Works: Burnham, Pa.
Midvale Steel & Ordnance Co. (Crucible & Open Hearth Bar Steel, Rods, Spring Steel, Hammered Car Axles, Forged Armor Plate, etc), Widener bldg
Nicetown Plate Washer Co. (Refined Merchant Bar Iron & Medium Steel Bars), 1824 Juniata
Penn Seaboard Steel Corp., Franklin Bank bldg
*See adv index at end of book*
Philadelphia Steel & Forge Co., Milnor & Bleigh. (See New York)
Phoenix Iron Co. (Open Hearth Steel Ingots, Bars, Acid & Basic Process Beams, Angles, Channels), 22 S 15th. Works: Phoenixville, Pa.
Standard Steel Works Co. (Steel Car & Locomotive Tires, Axles, etc), Morris bldg. Works: Burnham, Pa.
Taylor N. & G. Co., 300 Chestnut
Wood Alan Iron & Steel Co. (Basic Open Hearth Steel Billets, Slabs, Sheet Bars, Black & Galvanized Iron & Steel Sheets & Plates, Locomotive Jacket Steel, Bath Boiler, Swede & Norway Sheets, Gas Holder, Corrugated, Pickled & Cold Rolled Sheets, Water Pipe & Light Plates), Widener bldg. Works: Conshohocken, Pa.

PHOENIXVILLE—Phoenix Iron Co. (See Phila., Pa.)

PITTSBURGH — Alleghaney Steel Co. (Sheet Steel, Tank Plate, Sheet Bar, etc), Oliver bldg. Works: Brackenridge, Pa.
American Bridge Co. (Structural Steel, Billets, Blooms, Ingots), Frick bldg.
American Sheet & Tin Plate Co. (Bessemer Open Hearth, Acid & Basic Sheet Steel, Black, Polished, Galvanized & Corrugated, Cold Rolled Tin & Terne Plate, etc), Frick bldg.
American Steel & Wire Co., Frick bldg.
*See adv index at end of book*
Blaw-Knox Co. (Steel Plates), Farmers Bank bldg
Brown & Co. (Tool Steel, Refined Bar & Hammered Iron for Special Purposes), 10th & Duquesne Way
BYERS A. M. CO. (Wrought Iron Pipe), 235 Water
*See adv index at end of book*
Carbon Steel Co. (Open Hearth Steel, Billets, Ingots, Sheared Plates, Universal Rolled Plates, Carbon Chrome Safe Plates, Locomotive, Driving, Car Axles, General, etc), ft 32d
Carnegie Steel Co. (Steel Billets & Blooms, Rails, Beams & Structural Shapes, Armor & Boiler Plate, etc.) Carnegie bldg
Carter Iron Co. (Iron Bar, Staybolt, Roofing, Chains, etc.) 307 5th av, Hays Station, Pa. Mills: Paden City, W. Va.
Colonial Steel Co. (Crucible & Open Hearth Steel in Bars, Sheets, Circular Plates, etc), 324 4th av. Mills, Colona, Pa.
Columbia Steel & Shafting Co. (Polished Turned Steel Shafting & Cold Drawn Shapes, etc.), Kirkwood Mills: Rankin, Pa.
Crucible Steel Co. of America (Tool Steel, Merchant Bar Steel, Boiler & Tank Plate, Cold Drawn & Polished Steel Shafting, Cold Rolled Steel & General & Nickel Steel Forgings), Oliver bldg
Dilworth, Porter & Co., Ltd. (Tie Plates, Spikes, etc), 4th & Bingham
Follansbee Bros. Co. (Iron & Open Hearth Sheet Steel Sheets, Tin Plate & Black Plates for Tinning) 3rd & Liberty
Fuller Steel & Iron Co., Park bldg
*See adv index at end of book*
Garrison A. Foundry Co. (Steel), 901 Dingham
Jones & Laughlin Steel Co. (Steel Billets & Blooms, Beams, Channels, Angles, Tees, Zees, Plates, Bars, Bands, Rails Up to 40 lbs., Cold Rolled Steel, Spikes, Forgings, etc.), Ross
Lockhart Iron & Steel Co. (Bar, Bands & Hoops, Angles, Channels & Tees, etc.), (See McKees Rocks, Pa.)
Mesta Machine Co., Box 1124
*See adv index at end of book*

ROLLING MILL MACHINERY
(Write for Bulletin S)
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.

Monongahela Iron & Steel Co. (Bar Iron, Muck Bar, Staybolt Iron, Iron Chains, etc.), Farmers Bank bldg. Mills: Hayes, Pa.
Morris & Bailey Steel Co. (Cold Rolled Steel Sheets, etc) State
National Tube Co. ("National" Pipe & Boiler Tubes, etc.), Frick bldg.
Oliver Iron & Steel Co. (Bar Iron & Steel, Bolts, Nuts, Rivets, Forgings, etc.) S 10th & Muriel
Pittsburgh Cold Rolled Steel Co. (Cold Rolled Flat Strip Steel), 39th & P. R. R.
Pittsburgh Forge & Iron Co. (Merchant Bar & Staybolt Iron, etc.), Chamber of Commerce bldg
Pittsburgh Spring & Steel Co. (Spring Steel all consumed by the Company), Farmers Bank bldg
Pittsburgh Steel Co. (Steel Billets, Wire, Rods & Nails, Steel Bands & Hoops, Staples, Cotton Ties, Barbed Wire, etc.), 5th av & Grant
Pittsburgh Steel Products Co. (Seamless Steel Boiler & Mechanical Tubes) Frick bldg
Pittsburgh Tube Co. (Bedstead Tubing), Keystone bldg., Mills, Colona, Pa.
Russell J. C. Shovel Co. (Shovel Blanks, all consumed by the Company), 336 4th av
Spang, Chalfant & Co. (Pipe & Tube Mills), Union Bank bldg. Works: Etna, Pa.
Standard Steel Car Co. (Steel Cars). A. V. R. R. Works: Butler, Pa.
West Leechburg Steel Co. (Hot & Cold Rolled Strip Steel) Farmers Bk bldg. Works: West Leechburgh, Pa.

PORT VUE—McKeesport Tin Plate Co. (See McKeesport, Pa.)

POTTSTOWN—Glasgow Iron Co. (Muck Bars, Boiler, Tank & Bridge Plates, Boiler Heads, Pipe Flanges, etc.)
Lessig Geo. B. Co. (Tack, Nail & Shovel Plate & Puddle Bars, etc.)

POTTSVILLE—Eastern Steel Co. (Steel Beams & Structural Shapes, Bridge Plate, etc.). (See Pittsburgh, Pa.)

RANKIN—Columbia Steel & Shafting Co.

READING—Carpenter Steel Co. (Crucible Tool Steel, Gun, Roller & Machinery Steel, etc.)
Reading Iron Co. (Merchant Bar Iron, Wrought Iron Pipe, Staybolt Iron, etc.)
Seyfert Simon (Est. of). Works: Blandon, Pa.

SCOTTDALE—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)

SCRANTON—Scranton Bolt & Nut Co. (Bar Iron, Bolts, Nuts, etc.)

SHARON—Carnegie Steel Co. (See Pittsburgh, Pa.)
Republic Iron & Steel Co. (See Youngstown, O.)
Sharon Steel Hoop Co. (Open Hearth Steel Billets, Ingots & Bands, Hoops & Strips)

SHARPSBURG—Moorehead Bros. & Co., (Bar Iron, Boiler Sheet Tank & Skelp Iron & Steel)

SLATINGTON—Slatington Iron & Steel Co. ("Slatington Best," "Slatington Norway," "Slatington Staybolt," "Lehigh," High Grade Bar Iron, Also Staybolt, Boiler Rivet, Horse Shoe, Angle & Drop Forging Iron, etc.)

SOUTH BETHLEHEM—Bethlehem Steel Co. (Steel Billets & Blooms, Armor Plate Steel Bars, Light Rails, etc.)

VANDERGRIFT—American Sheet & Tin Plate Co. (See Pittsburgh, Pa.)

WASHINGTON — JESSOP STEEL CO. (Crucible Steel, Ingots, Sheets & Saw Steel, etc)
Tyler Tube & Pipe Co. (Charcoal Skelp & Blooms & Lap Welded Boiler Tubes)
Universal Rolling Mill Co.

WEST LEECHBURG—West Leechburgh Steel Co. (See Pittsburgh, Pa.)

WILLIAMSPORT—Sweets Steel Co. (Merchant Bar Steel, Special Open Hearth, Steel, Machinery Steel, Calking Steel, Soft Steel, etc.)

WILSON—Monongahela Tube Co. (See Pittsburgh, Pa.)
Morris & Bailey Steel Co. (Cold Rolled Steel Sheets, etc.)

WYOMING—Wyoming Shovel Works (Steel Sheets & Light Plates & Shovel Mfrs.)

YORK—Susquehanna Iron Co. (See Columbia, Pa.)

### RHODE ISLAND.

PHILLIPSDALE—Washburn Wire Co. (Steel Billets, Steel Wire Rods & Nails, etc.)

### TENNESSEE.

KNOXVILLE—Knoxville Iron Co. (Merchant Bar Iron & Steel)

### TEXAS.

FORT WORTH—Armstrong, Geo. W. & Co., Inc. (Merchant Bar Iron)

### VIRGINIA.

RICHMOND—Old Dominion Iron & Steel Corp. (Merchant Bar Iron, Car & Bridge Iron, etc), Belle Isle
Tredegar Co. (Merchant Bar, Angle Bars & Fish Plates), ft. of 5th

ROANOKE—Virginia Iron, Coal & Coke Co. (Merchant Bar Iron), Mills: Bristol, Tenn.

### WEST VIRGINIA.

BENWOOD—National Tube Co. (See Pittsburgh)

HUNTINGTON—West Virginia Rail Co. (Light Rails)

PARKERSBURG—Parkersburg Iron & Steel Co. (Sheet Iron & Steel)

WEIRTON—Weirton Steel Co. (Polished Sheets, Steel Sheets for Stamped Ware, Stove Pipe, Enameling & Galvanizing Stock, Milk Can & Show Card Stock, Trunk & Tagger's Iron & Tin & Terne Plate Mfrs.) (Works also Steubenville Ohio)

WHEELING—Wheeling Steel & Iron Co. (Steel Billets & Blooms, Steel Sheets, Skelp, Wrought Steel Pipe)
Whitaker-Glessner Co. (Open Hearth Steel Billets, Slabs, Ingots, Light Plates, Sheets, etc.)

### WISCONSIN.

MILWAUKEE—American McKenna Process Co. (Renewed Steel Rails), 373 Broadway. Works: Joliet, Ill., Kansas City, Kans., & Tremley Joint, N. J.
Harrow Spring Co. (Refined Bar Iron, Milled Steel Bars & Spring Steel, etc.)

Illinois Steel Co. (See Chicago, Ill.)

## 12650—Rolling Mills (Lead & Zinc)

See also Rolling Mill Machy.

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Standard Machinery Co., Providence, R. I.

## 12651—Rolling Mills (Phosphor Bronze, Etc.)

Riverside Metal Co., Riverside, N. J.
Stanford Rolling Mills Co. Inc., Springdale, Conn.

## 12652—Rolls (Adding Machine)

Alling & Cory Co., Rochester, N. Y.
**American Sales Book Co. (Ltd.) (Duplicate), Elmira, N. Y.**
Colonial Co., Mechanic Falls, Me.
Dudley Paper Co., Lansing, Mich.
Emerson Paper Co., Sunapee, N. H.
Hammermill Paper Co., Erie, Pa.
International Roll Paper Co., No. Manchester, Ind.
Irish Geo. Paper Co., Buffalo, N. Y.
Miller-Bryant-Pierce Co., Aurora, Ill.
Nashua Spoon & Bobbin Co., Grove Hall Station, Boston, Mass.
Paper Manufacturers Co., 526 Cherry, Phila., Pa.
Perry Chas. E. Co., 183 Congress, Boston, Mass.
Rockwell-Barnes Co., 823 S Wabash av, Chicago, Ill.
Tuttle Press Co., Appleton, Wis.
**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## Rolls (Automobile Tool)

See Tool Rolls, Automobile

## 12653— Rolls (Bar)

Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

## 12654— Rolls (Beater)

**Dilts Machine Works (Bandless Beater** Rolls for Paper Mills), Fulton, N. Y.

## 12655—Rolls (Belt Conveyor)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

## 12656—Rolls (Bending, Hand & Belt Power)

Chambersburg Engng. Co. (Belt & Electric Driven) **Chambersburg, Pa.**
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Hendley & Whittemore Co., Beloit, Wis.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*
Rock River Machine Co. (Hand Only), Janesville, Wis.

## 12657—Rolls (Bending & Straightening)

**Badger State Machine Co., Janesville, Wis.**
Bertsch & Co. (Hand or Power for Plates, Sheets, Angles, Angle Iron, etc), Cambridge City, Ind.
Bethlehem Steel Co. (Hydraulic Plate Bending), South Bethlehem, Pa.
**Betts Machine Co., Maryland av & South, Wilmington, Del.**
**Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.**
Cleveland Punch & Shear Works Co., 3921 **St. Clair av N. E, Cleveland, O.**
**Covington Machine Co., Covington, Va.**
Erie Forge Co. (Feed), Erie, Pa.
Hendley & Whittemore Co. ("Beloit" Bending), Beloit, Wis.
**HILLES & JONES CO., East Wilmington, Del.** *See adv index at end of book*
**Ironton Punch & Shear Co. (Heavy Power), Ironton, O.**
**Klemm E. R. (Plate Bending), 1453 Austin av, Chicago, Ill.**
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
**Long & Allstatter Co. (Tire Bending, etc),** Hamilton, O.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**MORGAN ENGINEERING CO. (Plate** Bending, etc), Alliance, O.
*See adv index at end of book*
New Doty Mfg. Co., Janesville, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
**Niles Forge & Mfg. Co. (Plate Bending),** Niles, O.
Penn Seaboard Steel Corp. (Bending), Franklin Bank bldg, Phila.
*See adv index at end of book*
**Perkins Machine Co. (Hand & Power Bending, Electric), Warren, Mass.**
Pollak Steel Co., Cincinnati, O.
**Rock River Machine Co. ("Badger" Hand & Belt Power & Motor Driven Plate Bending Rolls), Janesville, Wis.**
Ryerson Jos. T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.
Sellers Wm. & Co., 1600 Hamilton, Philadelphia, Pa.
**Taylor-Wilson Mfg. Co. (Plate Skelp Bending Only), McKees Rocks, Pa.**
**Titusville Forge Co., Titusville, Pa.**
United Engng. & Fdry. Co., Keenan bldg, **Pittsburgh, Pa.**
United Roll & Foundry Co., Ravenna, O.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.
**Wickes Bros. (Plate, etc), Saginaw, Mich.**

## 12658-9—Rolls (Blue Print)

Lovell Mfg. Co. (And for Mechanical Work), Erie, Pa.

## 12660—Rolls (Brass & Bronze)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
Beloit Iron Works, Beloit, Wis.
**MIDWEST BRASS & COPPER CO., INC.,** 480 Broome, New York
*See adv index at end of book*
Rome Brass & Copper Co. (Coiled), Rome, N. Y.

## 12661— Rolls (Breaker)

American Manganese Steel Co. ("Amsco" Brand, Manganese Steel for Coal Breakers, etc), 332 S Michigan av, Chicago, Ill.
Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
**LINK-BELT CO.** ("Flint-Rim" for Coal, Coke, etc.), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

## 12662— Rolls (Bullion)

**Calkins Co., Los Angeles, Cal.**

## 12663—Rolls (Chilled Calender)

**Clark H. C. & Son Machine Co., Lee, Mass.**
**Farrel Foundry & Machine Co., Ansonia,** Conn.
Holyoke Machine Co. (Chilled Iron, Paper, Cotton & Husk), Holyoke & Worcester, Mass.
**Improved Paper Machinery Co., Nashua,** N. H.
Lobdell Car Wheel Co., Wilmington, Del.
**National Roll & Foundry Co., Avonmore,** Pa.
Norwood Engineering Co. (Chilled Iron, Paper & Cotton), Florence, Mass.
**Rice, Barton & Fales Machine & Iron Co.,** Worcester, Mass.
**Sandy Hill Iron & Brass Works, Hudson** Falls, N. Y.

## 12664-5—Rolls (Chilled for Rolling Gold & Silver)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Lobdell Car Wheel Co., Wilmington, Del.

## 12666—Rolls (Composition Calender & Paper Machinery)

**Fuller Iron Wks., 40 Tockwotton, Providence, R. I.**

## 12667—Rolls (Crimping & Corrugating)

See also Machinery, Sheet Metal Workers'
Bertsch & Co., Cambridge City, Ind.
Driggs-Seabury Ordinance Co., Sharon, Pa.
Gump B. F. Co. (Corrugating Only), 431 S Clinton, Chicago, Ill.
Keene Geo. C. & Co., 2327 Florence av, Cincinnati, O.
Metallic Drawing Roll Co., Indian Orchard, Mass.
New Doty Mfg. Co., Janesville, Wis.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Robinson J. M. Mfg. Co., 3282 Spring Grove, Cincinnati, O.
**Rock River Machine Co., Janesville, Wis.**

## 12668— Rolls (Crushing)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Machine & Mfg. Co. (For Cotton Seed), Atlanta, Ga.
**Birdsboro Steel Foundry & Machine Co.,** Birdsboro, Pa.
Bonnot Co. (Clay, etc), Canton, O.
Buchanan C. G. Co. ("Buchanan" Plain or Corrugated), 90 West, New York
Buckeye Iron & Brass Works, Dayton, O.
Callahan W. P. Co. (Cottonseed & Linseed, etc), Dayton, O.
Central Foundry Co., Webb City, Mo.
Chalmers-Williams Mfg. Co. (For Gold & Silver Ore, or Cement Plants), 1461 Arnold, Chicago Heights, Ill.
Colorado Iron Works Co. ("Humphrey"), Denver, Col.
Denver Engineering Works Co., Denver, Colo.
**Farrel Foundry & Machine Co., Ansonia,** Conn.
French Oil Mill Machinery Co., (Seed Crushing), Piqua, O.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Galena Iron Works Corp., Galena, Ill.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hallidie Co. (Straight Line Balanced), Spokane, Wash.
*See adv index at end of book*
Hendy Joshua Iron Works (Ore), 75 Fremont, **San Francisco, Cal.**
Hoagland's M. Sons Co., Rockaway, N. J.
**KENNEDY VAN SAUN MFG. & ENG. CORP., (Sizes 12 in. up to 72 in.), 120 Broadway, New York**
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hutning Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Lobdell Car Wheel Co., Wilmington, Del.
McFarlane-Eggers Machy. Co. (Horizontal), Denver, Colo.
McFarlane Mfg. Co., Denver, Colo.
**Mine & Smelter Supply Co., 42 B'way, New** York
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Penna. Crusher Co., Stephen Girard bldg, Philadelphia, Pa.
**Philadelphia Roll & Mach. Co., 25th & Washington av, Phila., Pa.**
Platt Iron Works Co., Dayton, O.
Pollak Steel Co., Cincinnati, O.
**South St. Louis Foundry Co., 7514 S B'way, St. Louis, Mo.**
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Standard Steel Works Co. (Steel), Morris bldg, Phila., Pa.
**Stedman's Foundry & Mach. Wks., Aurora,** Ind.
Stroh Steel Hardening Process Co., 1st National Bank bldg, Pittsburgh, Pa.
**Sturtevant Mill Co. (Balanced for Dry & Wet Materials), Clayton & Park, Dorchester, Boston, Mass.**
Ticonderoga Machine Works, Ticonderoga, N. Y.
Titusville Forge Co. (Sugar Mill), Titusville, Pa.
**TRAYLOR ENGINEERING & MFG. CO.,** Allentown, Pa.
*See adv index at end of book*
United Iron Works Inc., Kansas City, Mo.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
**Wilmot Engineering Co. ("Lloyd's" Gear Driven), Hazelton, Pa.**
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York
*See adv index at end of book*

### 12669— Rolls (Dandy)

Appleton Wire Works, Appleton, Wis.
Bigelow Cheney Wire Works, Springfield, Mass.
Buchanan & Bolt Wire Co., Holyoke, Mass.
Eastwood Wire Mfg. Co., Belleville, N. J.
Gleesen Thos. E., East Newark, N. J.
Smith C. H. & Co., Springfield, Mass.

### 12670— Rolls (Engravers')

Hoggson & Pettis Mfg. Co., 161 Brewery, New Haven, Conn.

### 12671— Rolls (Felt)

Brawley T. R., 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
Ticonderoga Machine Works (For Paper Makers), Ticonderoga, N. Y.

### 12672— Rolls (Flaking)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Wolf Co., Chambersburg, Pa.

### 12673— Rolls (Forged Steel)

Birmingham Iron Foundry, Derby, Conn.
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Penna. Forge Co., Jenks & Bath, Phila., Pa.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

### 12674—Rolls (Forging & Tapering)

Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
Danville Iron & Steel Co., Danville, Pa.
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*

### 12675— Rolls (Grinding)

Abbe Engineering Co., 216-224 B'way, New York *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Buchanan C. G. Co. (Wet & Dry), 90 West, New York
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
National Roll & Foundry Co. (Paper, Oil & Flour Mill), Avonmore, Pa.
Nordyke & Marmon Co., Keneucky av & Morris, Indianapolis, Ind.
Sandy Hill Iron & Brass Works (For Paper Mills), Hudson Falls, N. Y.
Sprout-Waldron & Co., Muncing, Pa.
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
William A. Box Iron Co., 3309 Blake, Denver, Colo.
Wolf Co., Chambersburg, Pa.

### 12676—Rolls (High Carbon Steel)

**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Lobdell Car Wheel Co., Wilmington, Del.

### 12677—Rolls (Hub Band Bending & Truing)

Williams White & Co., Moline, Ill.

### 12678—Rolls (Ignition Friction)

Waltham Screw Co. (In connection with Ceric Iron), Waltham, Mass.

### 12679— Rolls (Jewelers')

Hamilton George (Figured, For Rings, etc), 144 Pine, Providence, R. I.
Hammond Steel Co. Inc., Solvay, N. Y.
Leiman Bros., 81 Walker, New York
Manville E. J. Machine Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Worthington & Raymond (Dealer) ("Optimus," "W. & R."), 71 Murray, New York

### 12680—Rolls (Lap Welding)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
United Engng. & Fdry. Co. (Single & Double for Pipe & Tube Mills), Keenan bldg, Pittsburgh, Pa.

### 12681—Rolls (Leather Pressure)

Barry & Zecher Co., Lancaster, Pa.

### 12682— Rolls (Lime)

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*

### 12683— Rolls (Live)

Allis-Chalmers Mfg. Co. (Also Drives, for Sawmills), Milwaukee, Wis.
Union Iron Works Co., Selma, Ala.
Wheland Co. (Steel), Chattanooga, Tenn.

### 12684—Rolls (Merchant Shapes)

Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

### 12685—Rolls (Music, Perforated)

Aristo Co. (For Player-Pianos, Bellevilles), Newark, N. J.
Benett & White Inc. ("Artempo" for Player-Pianos), 67 Goble, Newark, N. J.
Elastoid Fibre Co. ("Elastoid" Paper Tubes for Music Rolls), Waltham, Mass.
Kimball W. W. Co., 304 S Wabash av, Chicago, Ill.
Musicnote Roll Co., Dixon, Ill.
Royal Music Roll Co., 2964 Main, Buffalo, N. Y.
Rythmodik Music Corp., Belleville, N. J.
Standard Music Roll Co. (For Player-pianos), Orange, N. J.

### 12686— Rolls (Oil Mill)

Lobdell Car Wheel Co., Wilmington, Del.
National Roll & Foundry Co. (Cotton & Linseed), Avonmore, Pa.

### 12687-8-9—Rolls (Painting, for Long Length Sheet Metal)

Canton Foundry & Machine Co. ("Universal"), Canton, O.

### 12690—Rolls (Pipe Welding)

Pittsburgh Iron & Steel Foundries Co. Midland, Pa.

### 12691— Rolls (Plate)

Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, O.

### Rolls (Plate Bending)

See Rolls, Bending & Straightening

### 12692-3— Rolls (Rail)

Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

### 12694— Rolls (Rubber)

American Wringer Co. (Rubber Covered), 99 Chambers, New York
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Combination Rubber Mfg. Co. (Also Rubber Covered) Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Lovell Mfg Co. (For Laundries, Woolen Mills, Tanneries, etc), Erie., Pa.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co. (Rubber Covered), Hamilton Square, N. J.
Pennsylvania Rubber Co., Jeannette, Pa
Quaker City Rubber Co. (Rubber Covered), 629 Market, Phila., Pa.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co. (And Rubber Covered), Chelsea, Mass.
United Roll & Foundry Co., Cincinnati, O.

### 12695—Rolls (Sand & Chilled)

See also Machinery, Rolling Mill

Beloit Iron Works (Iron), Beloit, Wis.
Birdsboro Steel Foundry & Machine Co. Birdsboro, Pa.
Birmingham Iron Foundry (Sand & Chilled Only), Derby, Conn.
Black-Clawson Co., Hamilton, O.
Dellenbarger C. E. (Chilled Iron), 1370 W Grand av, Chicago, Ill.
Farrel Foundry & Machine Co. (Chilled & Sand), Ansonia, Conn.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hubbard Steel Foundry Co. (Chilled Sand & Steel), East Chicago, Ind.
Hyde Park Foundry & Machine Co. (Sand & Chilled), Hyde Park, Pa.
Lobdell Car Wheel Co. (Sand & Chilled Cast Iron), Wilmington, Del.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

ROLLS
Chilled—Sand Iron—Steel
"Mesta Special Alloy"
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.

National Roll & Foundry Co. (Sand & Chilled), Avonmore, Pa.
**PHILADELPHIA ROLL & MACHINE CO.** (Sand Chilled & Steel), 25th & Wash'n av, Phila., Pa.
Pittsburgh Iron & Steel Foundries Co., Midland, Pa.
Reading Iron Co., Reading, Pa.
Seaman-Sleeth Co. (For all purposes, for Metal Rolling), 41st & Willow, Pittsburgh, Pa.
Standard Engineering Co., Ellwood City, Pa.
Standard Roll Co. (Iron), Worcester, Mass.
United Engng. & Fdry. Co., Keenan bldg., Pittsburgh, Pa.
United Iron Works Inc., Kansas City, Mo.
Wheeling Mold & Foundry Co. (Sand & Chilled), Wheeling, W. Va.
Youngstown Foundry & Machine Co. Youngstown, O.

### 12696—Rolls (Scrap Reclaiming)

Ajax Mfg. Co., 3830 Lakeside av, Cleveland, O.
Chicago Tool Reclaiming Co., 147 W. Austin, Ark., Chicago, Ill.

### 12697— Rolls (Slugger)

Kennedy Van Saun Mfg. & Eng. Corp., 120 B'way, New York

### 12697a—*Rolls (Special Alloy)

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Phila. Roll & Mach. Co. (Steel), Phila., Pa.

### 12698— Rolls (Stay)

Frantz Mfg. Co., Sterling, Ill.
Lawrence Bros. ("Union," "Faultless," Adjustable), Sterling, Ill.

### 12699— Rolls (Steel)

Steel Rolls for Rolling Mills, etc

Birdsboro Steel Foundry & Machine Co. Birdsboro, Pa.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Hubbard Steel Foundry Co., E. Chicago, Ind.
Lobdell Car Wheel Co., Wilmington, Del.
Mackintosh, Hemphill Co. (Alloy), ("Manganite"), ft. of 12th, Pittsburgh, Pa.
**MESTA MACHINE CO.** (Acid Open Hearth), Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Otis Steel Co., Leader-News bldg, Cleveland, O.
Penn Seaboard Steel Corp., Franklin Bank bldg., Philadelphia, Pa.
*See adv index at end of book*
Pittsburgh Iron & Steel Foundries Co., ("Adamite"), Midland, Pa.

ROLLS (STEEL)—continued
**Pittsburgh Steel Foundry, House bldg,** Pittsburgh, Pa.
Pratt & Letchworth Co. (Vanadium & Other Steel), Buffalo, N. Y.
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
Wheeling Mold & Foundry Co. (Super-Steel), Wheeling, W. Va.

## 12700—Rolls (Street Sweeper)

**Lay Jos. Co. (Brass, Fibre, Bamboo, Rattan, Hickory, Splints, Steel Wire, etc), Ridgeville, Ind.**

## 12701— Rolls (Suction)

Sandusky Foundry & Machine Co. ("Millspaugh"), Sandusky, O.

## 12702— Rolls (Tin Plate)

**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Seaman-Sleeth Co., 41st & Willow, Pittsburgh, Pa.

## 12703—Rolls (Tool, Canvas)

Aronoff Joseph J., Trenton, N. J.
Cincinnati Tent & Awning Co., 232 E 3d, Cincinnati, O.
**Excelsior Bag & Mfg. Co., Troy, N. Y.**

## 12704— Rolls (Typewriter)

Goodrich B. F. Co. (Rubber), Akron, O.
Pennsylvania Rubber Co., Jeannette, Pa.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## 12705-6— Rolls (Vacuum)

**Farnham Mfg. Co. ("Farnham" for** Cylinder & Wet Machines for Paper Mills), 39 Indiana, Buffalo, N. Y.

## 12707— Rolls (Wood)

**Beloit Iron Works, Beloit, Wis.**
Estes E. B. & Sons, 364 5th av, **New** York. *See adv index at end of book*

**Established 1847**
**E. B. ESTES & SONS**
Manufacturers of
**TURNED WOOD ROLLERS, CASTER ROLLERS, PULLEY ROLLERS**
Automatic Lathe Turnings of Every Description, Plain, Polished or Enameled
**364 5th Ave., New York City**

Hunt, Rodney, Machine Co., Orange, Mass.
**Novelty Turning Co. (For Perforated Music), Norway, Me.**
**Standard Turning Works, Cambridge, Mass.**
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
**Tatem J. B. & Son (Lawn Mower & Heavy), Putnam, Conn.**

## Rolls (Wringer)

See Rolls, Rubber

## 12707a— Roof Coating

Antakiva Co. (Asbestos Liquid) ("Roof Tight"), 133 W Washington, Chicago, Ill.
**Du Pont Chemical Works, 120 Broadway, New York**
Patton Paint Co., Milwaukee, Wis.

## 12708-9— Roof Joint

**Parker E. L. & Nimmo Co. ("Reese" Patent Water Tight, Expanding, etc), 203 S Charles, Baltimore, Md.**

## 12710— Roof Snow Guards

Berger Bros. Co., 229 Arch, Philadelphia, Pa.
son," "H-B" For New & Old Roofs), 428 Kinsley av, Providence, R. I.
**Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.**

Danzer Metal Works, Hagerstown, Md.
**Duplex Hanger Co. ("Cleveland," Galvanized & Corrugated), E 53rd & Lakeside av, Cleveland, O.**
Folsom Snow Guard Co., 4 P. O. sq, Boston, Mass.
**Fulmer J. H. ("Eagle," "Fulmer," "Eureka"), Nazareth, Pa.**
Hamblin & Russell Mfg. Co. ("Brace," "Standard"), Worcester, Mass.
Hungerford U. T. Brass & Copper Co. (Copper & Galv'd Iron), 80 Lafayette, New York
**KNICKERBOCKER SLATE CORP.,** 153 E 38th, New York
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
National Safety Fifth Wheel Co. ("Shamrock"), Lancaster, Pa.
**Niksah Snow Guard Co. (Wire), 5 Mount Pleasant, Worcester, Mass.**
Peter F. N. & Bro. ("Never Break"), Newside, Pa.
Sieger & Son Mfg. Co., Slatington, Pa.
**Wrightsville Hardware Co. (Cast Iron),** Wrightsville, Pa.

## Roof Trusses

**See Steel Structural Work**

## 12711—Roofers (Plastic Slate)

**Aeolian Plastic Slate Roofing Co. (Tile,** Brick & Slate Paved Roofs), 637 W **42d, New York**
Casmento Specif Roofing Co., 103 Park av, New York
Foy Edw. L. & Co., 16 W Camden, Baltimore, Md.
Griffin Roofing Co., 506 W 26th, New York
Laura John & Co., 101 Park av, New York
Noble H. Co., Caroline & Aliceanna, Baltimore, Md.

## 12712— Roofing (Actinolite)

Machwirth Bros. Co., 201-9 Oak, Buffalo, N. Y.

## 12713— Roofing (Asbestos)

Aspromet Co., 1st National Bank bldg, Pittsburgh, Pa.
Baltimore Roofing & Asbestos Mfg. Co., **Asbestos, Md.**
Carey Philip Mfg. Co. ("Carey," "Fibrerock" Asphalt Saturated Felt "Manco" Asphalt Cement "Fibrecoating" Combs, Cement), 330 Wayne av, Lockland, Cincinnati, O.
**Chicago Asbestos Mfg. Co., 1909 W 22d pl,** Chicago, Ill.
**EDWARDS MFG. CO.,** Cincinnati, O.
*See adv index at end of book*
**Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa. Works: Valley Forge, Pa.**
**Federal Asbestos Co., Milwaukee, Wis.**
Hoff Magnesite Co. ("Hoffite Plastic"), Monadnock bldg, San Francisco, Cal.
Johns-Manville H. W. Co. (Ready-to-lay **Built-Up, Corrugated Shingles), Madi**son av & 41st New York
**Keasbey & Mattison Co., Ambler, Pa.**
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
**National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.**
**Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.**
Rock Asbestos Roofing Co., Erie, Pa.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
**Warren Chemical & Mfg. Co., 17 Battery pl, New York**
**Watson H. F. Co., Erie, Pa.**
Western Asbestos Magnesia Co., 25 S Park, San Francisco, Cal.
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.

## 12714-15—Roofing (Asbestos Protected Metal)

Aspromet Co., 1st National Bank bldg, **Pittsburgh, Pa.**
**Moeschl-Edwards Corrugating Co. ("Gem" Brand Underside Protected** with Cement Paper or Asbestos), Cov**ington, Ky.**

## 12716—Roofing (Asphalt, Ready)

**Burlap Back** — **Sand Surface**
**Gravel Surface** — **Slate Surface**
**Grit Surfaced** — **Stone Surface**
**Mica Plated** — **Terra Cotta Surface**
**Pebble Surface**

Amalgamated Roofing Co. ("In-Lade"), 431 S Dearborn, Chicago, Ill.
**American Roofing Co. ("Peerless"), Kansas City, Mo.**
Apco Asphalt Roofing Co., 47 W 34th, New York
Asphalt Roof Coating Co., Ltd. ("Protection"), 10 E 43d, New York
**Asphalt Roofing Co. ("Wanigas"), Saginaw, Mich.**
Barber Asphalt Paving Co. ("Genasco"), Land Title bldg, Phila., Pa.
Barnitz Geo. A., York, Pa.
Barrett Co. ("Amatite," "Black Diamond") **17 Battery pl, New York**
Beckman-Dawson Roofing Co., 19 S La Salle, Chicago, Ill.
Berkheimer J. E. Mfg. Co., Tacoma, Wash.
Bird & Son ("Neponset Paroid", East Walpole, Mass.
Bodine Roofing Co., Mansfield, O.
Carey Philip Mfg. Co. ("Carey," Roll Roofings "Feltex" Asphalt Saturated Felt "Manco" Asphalt Cement, "Combo" Asphalt Cement, "Fibrecoating"), 330 Wayne ave, Lockland, Cincinnati, Ohio
Carpenter-Morton Co. (Wool Felt Saturated with Asphalt), 77 Sudbury, Boston, Mass.
Certain-teed Products Corpn., Boatman's Bank bldg., St. Louis, Mo.
Chapman & Soden ("Beaver," "I. X. L."), 150 Oliver, Boston, Mass.
Chatfield Mfg. Co. ("Paracote" Asphalt Felt), Carthage, Cincinnati, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Doggett Stanley (Soapstone Finish), 11 Cliff, New York
Driscoll Bros. & Co. ("Cornell"), Ithaca, N. Y.
**EDWARDS MFG. CO.,** Cincinnati, O.
*See adv index at end of book*
Elaborated Ready Roofing Co., 4417 Wentworth av, Chicago, Ill.
Fairbanks, Morse & Co. ("Eclipse"), 900 S Wabash av, Chicago, Ill.
Flintkote Co. ("Rex Slate Surfaced," "Rex Inlaid" Asphalt Slate Surface Shingle Pattern Roll), 88 Pearl, Boston, Mass.
Ford Mfg. Co. ("Gal-va-nite"), 2339 La Salle, Chicago, Ill.
**FRICK & LINDSAY CO.** (Dealers "Superior" & "Standard" Grades), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Heppes-Nelson Roofing Co. **("Flex-a-Tile** Roofing"), 4500 Fillmore, Chicago, Ill.
Hind Thos. J. Co., 49 Milk, Boston, Mass.
**Keystone Roofing Mfg. Co. ("Keystone" Slate Surfaced Road Roofing), York, Pa.**
**Lehon Co. ("Mule-Hide," "Roofrite"), 4451 S Oakley av, Chicago, Ill.**
*See adv index at end of book*
Lewis F. J. Mfg. Co., 2513 S Robey, Chicago, Ill.
McHenry-Milhouse Mfg. Co. ("Climax," "Durable," "Standard"), South Bend, **Ind.**
Mahon R. C. Co. (Gravel Surface), St. Aubin & E Grd blvd., Detroit, Mich.
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
National Roofing Co. ("Security," "Safety"), Tonawanda, N. Y.
**Oertel Roofing Mfg. Co., E. St. Louis, Ill.**
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Paraffine Companies, The ("Malthoid" & "Ruberoid"), 34 First, San Francisco, Cal. *See adv index at end of book*
Patent Vulcanite Roofing Co. ("Vulcan**ite"), 2256 W 49th, Chicago, Ill.**
Pioneer Paper Co. ("Ready Rock"), Los Angeles, Cal.
Piper J. A. Roofing Co., Greenville, S. C.
Porter Iron Roofing & Corrugating Co. ("Porteroid"), 522 Culvert, Cincinnati, O.
Safepack Mills ("Safekote", "Resists", "Repello," "Watershed," 727 Atlantic av, Boston, Mass.
Schillinger Bros. ("Eagle" Brand), Detroit, Mich.
**Scott Roofing & Mfg. Co. ("Asteroid** Scottco"), 408 Culvert, Cincinnati, O

# MULE-HIDE—"Not a Kick in a Million Feet"

Roll Roofing for Buildings
Asphalt Shingles
Asphalt Built-Up Roofing

Plastic Car Roofings
Canvas " "
Waterproofing Membranes

Waterproof treated, processed Canvas Specialties
Waterproof, Insulating, and Sheeting Papers

THE LEHON COMPANY, Mfrs. 4451 S. Oakley Ave., Chicago


mall Mountain Co. ("Reliance"), 305 S La Salle, Chicago, Ill.
onneborn L. Sons ("Sonnecote," "Stormtight," Asphalt-Fibre), 262 Pearl, New York
tandard Paint Co. ("Rub-ber-oid"), 95 Madison av, New York
towell Mfg. Co. (Slate & Asphalt Surfaces), 240 Culver av, Jersey City N. J.
**EXAS COMPANY** ("Texaco," "Texacoat," "Texalene," "Texene," "Texawax"), 17 Battery pl, New York
*See adv index at end of book*
rainer C. W. Mfg. Co., 55 High, Boston, Mass.
rinidad Asphalt Mfg. Co., Title Guaranty Trust bldg, St. Louis, Mo.
nited Roofing & Mfg. Co. ("Congo"), Morris bldg, Phila., Pa.
sona Mfg. Co. ("Howard's" Double Lap, "Usona"), Aurora, Ill.
'alters Mfg. Co., Fulton bldg, Pittsburgh, Pa.
'arren Chemical & Mfg. Co. ("Anchor," "Walrus," "Mineralite" and "Permanoid"), 17 Battery pl, New York
'atson H. F. Co. ("Indruroid"), Erie, Pa.
'estern Builders Supply Co., 135 2nd, San Francisco, Cal.
'estern Elaterite Roofing Co. ("Elaterite"), Denver, Colo.
'hitaker Paper Co. ("Raintyte"), Eggleston av. 6th & Lock, Cincinnati, O.
'hite A. H. Co., Ltd. ("Shellene," "Phaltoid," "Steelcote"), Howard Vinus Miro & Tonti, New Orleans, La.

## 12717—Roofing (Asphalt Slag)

etzel J. G. (Est. of), 67 Main, Newark, N. J.
:owell Mfg. Co., 240 Culver av, Jersey City, N. J.

## 12718— Roofing ("Burmite")

urmite Roofing Co. (Prepared Roofing & Asphalt Shingles), Argo, Ill.

## 12719— Roofing (Canvas)

'arrell Wm. L. Co. ("Con-Ser-Tex"), 8 Thomas, New York
oyle John & Co. ("Bayonne"), 112 Duane, New York
intkote Co. ("Paradux"), 88 Pearl, Boston, Mass.

## 12720— Roofing (Car)

sbestos Protected Metal Co. ("Robertson" Standard For Inside of Box Cars), Beaver Falls, Pa.
arrell Wm. L. Co. ("Con-Ser-Tex"), 8 Thomas, New York
rd & Son ("Neponset," "Paroid"), East Walpole, Mass.
rey Philip Mfg. Co. (For Freight Cars, etc.), 330 Wayne av, Lockland, Cincinnati, O.
hicago-Cleveland Car Roofing Co. (Freight Car, Metal), 80 E Jackson blvd, Chicago, Ill.
celsior Car Roof Co. (Galvanized Soft Steel), 207 N 8th, St. Louis, Mo.
rd Mfg. Co., 2339 La Salle, Chicago, Ill.
anklin Railway Supply Co. (Flexible Metallic Box Car, etc), 30 Church New York
tchins Car Roofing Co. (Iron & Plastic), Ford bldg., Detroit, Mich.
hns-Manville H. W. Co. ("Car-Best-Us"), Madison av & 41st, New York
yes Products Co. ("Nevasplit," for Freight Car Roofs), 120 B'way, New York
hon Co. ("Roofite" Plaster), 4451 S Oakley av, Chicago, Ill.
*See adv index at end of book*

Patent Vulcanite Roofing Co. ("Vulcanite Rubber), 2256 W 49th, Chicago, Ill.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
St. Louis Car Co., 8000 N B'way, St. Louis Mo.
Scott Roofing & Mfg. Co. ("Scott's"), 4 Culvert, Concinnati, O.
Standard Paint Co. ("Ru-ber-oid"), 233 B'way, New York
Western Elaterite Roofing Co. ("Elaterite"), Denver, Colo.

## 12721—Roofing (Composition)

Arco Co., Euclid av & E 65th, Cleveland, O.
Asphalt Roof Coating Co., Ltd., 10 E 43rd, New York
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Ehret Roofing & Mfg. Co. ("Ehro"), Drexel bldg, Philadelphia, Pa.
Flintkote Mfg. Co. ("Mikado," "Rex Flutkote," "Zarex," "Rex Stato Surfaced," "Rex Inlaid," "Guardian," "Steadfast"), 88 Pearl, Boston, Mass.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Igoe Brothers (Also tarred), Canal & Lafayette, New York
*See adv index at end of book*
Monsted A. Co., Milwaukee, Wis.

## 12722— Roofing (Compound)

Arco Co., Euclid av & E 65th, Cleveland, Ohio
Atlas Co., Lincoln, N. J.
Federal Graphite Mills, 2639 E 79th, Cleveland, O.
Powell M. W. Co., 140 S Dearborn, Chicago, Ill.

## 12723— Roofing (Cork)

Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.

## Roofing (Duck)

See Cotton Duck & Canvas

## 12724— Roofing (Elaterite)

Raven Mining Co. of Utah ("Kapak"), Marquette bldg, Chicago, Ill.
Western Elaterite Roofing Co., Denver, Colo.

## 12725— Roofing (Feldspar)

Keystone Roofing Mfg. Co., York, Pa.
Stowell Mfg. Co., 240 Culver av, Jersey City, N. J.

## 12726— Roofing (Felt)

Asphalt Roof Coating Ltd. ("Hudson"), 10 E 43rd, New York
Feld Geo. A. Co., 162 E 129th, New York
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.

## 12726a—*Roofing (Guaranteed Specification)

Paraffine Companies, Inc., The, 34 First, San Francisco, Cal.
*See adv index at end of book*


PABCO ROOFS
GUARANTEED FOR 10 AND 20 YEARS
by
The Paraffine Companies Inc.
SAN FRANCISCO, CAL.
WRITE FOR SPECIFICATIONS AND COMPLETE DETAILS


Savannah Roofing Co. (Jobbers), Savannah, Ga.

## 12727—*Roofing ("Leatheroid")

**UNION PAPER & TWINE CO.**, 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## 12728— Roofing (Mastic)

Union Products Co. ("Parlock"), 1248 W 70th, Cleveland, O.

## 12728a—Roofing Material (Crushed Brick)

California Brick Co., Niles, Cal.

## Roofing Materials

See Specific Article Required

## Roofing Materials (Asphalt)

See Asphalt Dealers & Importers
Also Asphalt Miners & Refiners
Also Roofing Asphalt

## 12729-30—Roofing (Paroid)

Bird & Son ("Neponset"), East Walpole, Mass.


"THE BEST UNDER THE SUN"
*LEATHEROID ROOFING*
All kinds of ROOFING, BUILDING and INSULATING PAPERS
THE UNION PAPER & TWINE CO.
125 St. Clair Avenue, N. W. - - CLEVELAND, O.

## Roofing Plate, Metals, Etc.

See Roofing & Siding, Iron & Steel, also Tin Plate, Metals, etc.; also Tin Plate Manufacturers

## 12731— Roofing (Rubber)

**Asphalt Roof Coating, Ltd., 10 E 43rd, New York**
Barrett Co. ("Amazon"), 17 Battery pl, New York
Berkheimer J. E. Mfg. Co., Tacoma, Wash.
Cartier W. N. & Sons Co. ("Roger Williams," Rubberlyk), 289 Canal, Providence, R. I.
Chatfield & Woods Co., 3d & Plum, Cincinnati, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Edwards Mfg. Co., Cincinnati, O. *See adv index at end of book*
Flintkote Co. ("Mikado"), 88 Pearl, Boston, Mass.
Ford Mfg. Co. ("Ford's Pyramid"), 2339 La Salle, Chicago, Ill.
**FRICK & LINDSAY CO.** (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Heppes-Nelson Roofing Co. (Flint Surfaced & Slate Surfaced), 4500 Fillmore, Chicago, Ill.
**National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.**
National Roofing Co., Tonawanda, N. Y.
Nelson B. F. Mfg. Co., Minneapolis, Minn.
O'Meara Maurice Co. ("Perfect," "Raintight"), 448 Pearl, New York
Patent Vulcanite Roofing Co. ("Vulcanite"), 2256 W 49th, Chicago, Ill.
Rubber Roofing Mfg. Co. ("Apollo"), 5 Cortlandt, New York
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
**UNION PAPER & TWINE CO.** ("Leatheroid," "Duro"), 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bldg., Buffalo, N. Y. ***See adv index at end of book***
United Roofing & Mfg. Co., Morris bldg Phila., Pa.
Usona Mfg. Co. ("Paratax," "Oroofs"), Aurora, Ill.

## Roofing Slate (Asbestos)

See Shingles, Asbestos

## 12732—Roofing Slate (Graduated)

Eurega Slate Quarries, Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
General Slate Co., 148 State, Boston, Mass.
Hampshire Slate Co., Fair Haven, Vt.
**KNICKERBOCKER SLATE CORP.,** 153 E 38th, New York
**OLD ENGLISH SLATE QUARRIES,** 10 Milk, Boston, Mass.

## 12733— Roofing Slate Mfrs.

NOTE—(Slate quarried in Maine is all black, ditto Virginia, while that quarried in Pennsylvania & Maryland is also black, but borders on dark blue, & is advertised by some firms as dark blue. The slate quarries of Maryland are on the Penna. State line & the P. O. address is Delta, Pa. Slate quarried in New York is red of various tints, while that quarried in Vermont is of various colors, such as green, purple, variegated, etc.)

Albion Bangor Slate Co., Wind Gap, Pa.
Albion Superior Slate Co., Wind Gap, Pa.
Albion Vein Slate Co., Bangor, Pa.
American Sea Green Slate Co., Granville, N. Y.
American Slate Co., Easton, Pa.
Arvonia-Buckingham Slate Co., Richmond, Va.
Auld & Conger Co. ("Peach Bottom," "Bangor Ribbon"), 942 Prospect, Cleveland, O. Quarries at Poultney, Vt.
Baltimore Peach Bottom Slate Corp., Delta, Pa.
Bangor Slate Mining Co., Bangor, Pa.
Bangor Structural Slate Co., Bangor, Pa. *See adv index at end of book*
Barbon Slate Co., Slatington, Pa.
Beckman-Dawson Roofing Co., 19 S La Salle, Chicago, Ill.
Belfast Slate Co., Nazareth, Pa.
Bittner Slate Co., Allentown, Pa.
Blue Mountain Slate Co., Slatington, Pa.
Blue Valley Slate Mfg. Co. (Ltd.), Slatington, Pa.
Blue Vein Slate Co., Slatington, Pa.
Bray J. Slate Co. (Dealers), East Bangor, Pa.
Cambridge Slate Co., Slatington, Pa.
Chapman Slate Co., Bethlehem, Pa.
Chapman Standard Slate Co., Phila., Pa.
Columbia Bangor Slate Co., Bangor, Pa.
Columbus Slate Co. (Wholesale), New Hayden bldg, Columbus, Ohio
Crown Slate Co., Pen Argyl, Pa.
Ditchett Thos. Estate, Bangor, Pa. *See adv index at end of book*

**Thos. Ditchett Estate**
**Roofing Slate**
**from the**
**Columbia Bangor Quarry**

**Emack Jno. D. Co. (Jobber), 112 S 16th, Phila., Pa.**
Eureka Slate Mfg. Co. (Ltd.), Slatington, Pa.
Eureka Slate Quarries, Fair Haven, Vt.
Excelsior Slate Co., Pen Argyl, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Fairview Slate Co., Slatington, Pa.
General Slate Co. (Unfading Blue-Gray), (Quarries at Fair Haven, Vt. & Monson, Me.), 148 State, Boston, Mass.
Green Mountain Slate Co., Poultney, Vt.
Griffith Bros. Slate Co., Slatington, Pa.
Griffith Wm., Poultney, Vt.
Hahn Granville, Walnutport, Pa.
**HAMMANN SLATE CO.,** Bangor, Pa.
Hampshire Slate Co., Fair Haven, Vt.
Handy N. B. Co., Lynchburg, Va.
**Harding William, Jr., Pen Argyl, Pa.**
Hazel Dell Slate Co., Slatington, Pa.
Herrmann & Grace Co., 671 Bergen, B'klyn, N. Y.
Highland Slate Co., Slatedale, Pa.
Higrade Slate Co., Granville, N. Y.
Hower Jeremiah K., Danielsville, Pa.
Inlaid Slate Co., Wickliffe, Newark, N. J.
Inlaid Slate Co., Pen Argyl, Pa.
International Slate Co., Slatington, Pa.
Jackson Bangor Slate Co., Pen Argyl, Pa.
Jackson Rich Slate Co., Pen Argyle, Pa.
**Jones Faulk & Sons, Slate Hill, Pa.**
Jones Robt. L. Slate Mfg. Co., Delta, Pa.
Kasch Roofing Co., Akron, Ohio.
Keenan Structural Slate Co., Bangor, Pa.
**KEENAN W. H.,** Bangor, Pa.
Keystone Slate Co., Phila., Pa.
Kimes J. B. & Co. (Jobbers), 24th & Callowhill, Phila., Pa.
Kirtland Wm. H. (Jobbers), 1123 B'way, New York
**KNICKERBOCKER SLATE CORP., 153 E 38th, New York**
Lehigh Structural Slate Mfg. Co., Bangor & Slatington, Pa.
Lobb Parry & Co., Danielsville, Pa.
Lynnport Slate Works, Lynnport, Pa.
Mahar Bros. Slate Co., Fair Haven, Vt.
Miles Peach Bottom Slate Co., Delta, Pa.
Monarch Blackboard & Structural Slate Co., Slatington, Pa.
Montgomery Slate Co., Shenandoah, Pa.
New York Consolidated Slate Co., Poultney, Vt.
Norton Bros., Granville, N. Y.
O'Brien Bros., Granville, N. Y.
Oertel Roofing Mfg. Co., E. St. Louis, Ill.
O'Halloran & Jacobs, Park bldg, Pittsburgh, Pa.
**OLD ENGLISH SLATE QUARRIES,** 10 Milk, Boston, Mass.; quarries at Granville, N. Y., Hampton, N. Y., & Fairhaven & Poultney, Vt.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Owens' Owen W. Sons, Granville, N. Y.
Parsons Bros. Slate Co., Pen Argyl, Pa.
Peach Bottom Slate Co., Delta, Pa.
Peerless Slate Co., Delta, Pa.
Penna. Hard Vein Slate Co., Easton, Pa.
Penna. Slate Co., Slatington, Pa.
Penryn Slate Co., Hydeville, Vt.
Peters E. D. & Sons, Slatington, Pa.
Phoenix Slate Co., Wind Gap, Pa.
Piper J. A. Roofing Co., Greenville, S. C.
Pitts A. L. Slate Co., Arvonia, Va.
Portland Monson Slate Co., Portland, Me. ***See adv index at end of book***
Proctor Slate Quarries (Peach Bottom), Cardiff, Md.
Provident Slate Co., Slatington, Pa.
Rice & Co., Granville, N. Y.
Richmond Slate Co., Arvonia, Va. (See Richmond, Va.)
Richmond Slate Co., Richmond, Va. (Quarries: Arvonia, Va.)
Rising & Nelson Slate Co., West Pawlet, Vt.
Roberts & Carter, Poultney, Vt.
Roberts G. T., West Pawlet, Vt.
Royal Blue Slate Co., Slatedale, Pa.
Sheldon F. C. Slate Co., Granville, N. Y.
Sieger & Son Mfg. Co. (Jobbers), Slatington, Pa.
Slatington-Bangor Slate Syndicate, Slatington, Pa.
Slatington Slate Co., Slatington, Pa.
Stephens Jackson Co., Pen Argyl, Pa.
Stoddard D. & Son, Pen Argyl, Pa. (See Bangor, Pa.)
Stoddard D. & Sons, Bangor, Pa.
**STRUCTURAL SLATE CO.,** Penn Argyl, Pa.
Superior Slate Co., Inc. ("Crescent Bougor"), Allentown, Pa.
Thomas Slate Co. (Ltd.), Slatedale, Pa.
Tinsman M. L. & Co., Penn Argyl, Pa.
United Peach Bottom Slate Co., Delta, Pa.
**Valley Cornice & Slate Co., Ltd. (Slate & Tile), Saginaw, Mich.**
**VENDOR SLATE CO.,** Bangor, Pa.
Washington Slate Co., Slatington, Pa.
**Williams Slate Co., Mutual bldg, Richmond, Va. (Quarries: Arvonia, Va.)**
Williams R. J. Slate Co., Granville, N. Y.
Woodley Slate Co., Bangor, Pa.
Zellner Thos., Slatington, Pa.

## 12734—Roofing Slate (Purple)

**American Sea Green Slate Co., Granville, N. Y.**
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.
Griffith Wm., Poultney, Vt.
Knickerbocker Slate Corp., 153 E 38th, New York
Mahar Bros. Slate Co., Fair Haven, Vt.
New York Consolidated Slate Co., Poultney, Vt.
Old English Slate Quarries, 10 Milk, Boston, Maas.
Rising & Nelson Slate Co., West Pawlet, Vt.
Sheldon F. C. Slate Co., Granville, N. Y.
Williams R. J. Slate Co., Granville, N. Y.

## 12735—Roofing Slate (Red)

**KNICKERBOCKER SLATE CORP.,** 153 E 38th, New York
Old English Slate Quarries, 10 Milk, Boston, Mass.
Sheldon F. C. Slate Co., Granville, N. Y.
Superior Red Slate Co., Granville, N. Y.

## 12736-7—Roofing Slate (Sea Green)

American Sea Green Slate Co., Granville, N. Y.
Auld & Conger Co., 942 Prospect, Cleveland, O.
Edward Bros., Granville, N. Y.
Griffith, Wm., Poultney, Vt.
Knickerbocker Slate Corp., 153 E 38th, New York
Norton Bros., Granville, N. Y.
O'Brien Bros., Granville, N. Y.
Old English Slate Quarries, 10 Milk, Boston, Mass
Owens' Owen W. Sons, Granville, N. Y.
Rice & Co., Granville, N. Y.
Rising & Nelson Slate Co., West Pawlet, Vt.
Sheldon F. C. Slate Co., Granville, N. Y.
Williams R. J. Slate Co., Granville, N. Y.

## 12738—Roofing Slate (Unfading Green)

Eureka Slate Quarries, Fair Haven, Vt.
**Fair Haven Marble & Marbleized Slate Co.** Fair Haven, Vt.
General Slate Co., 148 State, Boston, Mass.
Hampshire Slate Co., Fair Haven, Vt.
Knickerbocker Slate Corp., 153 E 38th, New York
New York Consolidated Slate Co., Poultney, Vt.
Old English Slate Quarries, 10 Milk, Boston, Mass
Penryn Slate Co., Hydeville, Vt.
Sheldon F. C. Slate Co., Granville, N. Y.

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**545-565 Eggleston Ave., Cincinnati, Ohio**

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## 2738a—Roofing Slate (Variegated, Purple & Green)

Am. Coating Mills, Elkhart, Ind.
Old English Slate Quarries, 10 Milk, Boston, Mass
**ENDOR SLATE CO.**, Bangor, Pa.

## 2739—Roofing Tile (Actinolite)

Le Goullon P., 27th & Liberty, Pittsburgh, Pa.
Powell M. W. Co., 140 S Dearborn, Chicago, Ill.

## 2740—Roofing Tile (Cement)

Acme Concretile Co., Milwaukee, Wis.
American Cement Tile Mfg. Co. (For Factories, Depots, etc), Oliver bldg, Pittsburgh, Pa.
Bowe Construction Co., Kokomo, Ind.
Bray Bros., Terre Haute, Ind.
Brume Brick Co., Dayton, O.
Dearborn Concretile Co., Aurora, Ind.
Empire Tile Co., 5120 Sween av, Cleveland, O.
Federal Cement & Tile Co. (For All Types of Factory bldg), 110 S Dearborn, Chicago, Ill.
Ferguson Lbr. Co., Rockville, Ind.
Gibraltar Concretile Co., Indianapolis, Ind.
Gine Concretile Co., Grand Rapids, Mich.
Knox & Maier Co., Atlanta, Ga.
Lange Bros., Champaigne, Ill.
Pearson Concretile Co., Morristown, N. J.
R. & R. Concrete Roofing Tile Co., Buffalo, N. Y.
Randall A. T. Brick Co., Macon, Ga.
Swartz & Koenig, Sullivan, Ill.
Universal Roofing Tile Co., 3690 Milwaukee, Chicago, Ill.
U. S. Gypsum Co. ("Pyrobar" Deck), 205 W Monroe, Chicago, Ill.
Vantega Sand & Gravel Co., Johnson City, Tenn.
Worchester Brick Co., Worchester, Mass.

## Roofing Tile (Concrete)

See Roofing Tile, Cement

## 2741—Roofing Tile (Glass)

American Cement Tile Mfg. Co., Oliver bldg., Pittsburgh, Pa.

## 2742—Roofing Tile (Metallic)

See also Shingles, Metallic

Chattanooga Roofing & Foundry Co. ("New Century," "Old English"), Chattanooga, Tenn.
**EDWARDS MFG. CO.**, 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Duluth Corrugating & Roofing Co., Duluth, Minn.
Farwell Cornice Co., 3935 Southport av, Chicago, Ill.
Mullins Body Corp., 341 Franklin, Salem, Ohio
**NATIONAL SHEET METAL ROOFING CO.** ("Walter's"), 339 Grand, Jersey City, N. J. *See adv index at end of book*
New Process Roofing & Supply Co., Dallas, Tex.
Ohio Corrugating Co., Warren, O.
Penn Metal Co. ("Loxon"), 65 Franklin, Boston, Mass.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, Ohio
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Valley Cornice & Slate Co., Ltd., Saginaw, Mich.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 12743—Roofing Tile (Metallic, Spanish Shapes)

**EDWARDS MFG. CO.** ("Edwards"), 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Meurer Geo. C. Co., 22 Clay, Brooklyn, N. Y.
Miller & Doing, 60 York, Brooklyn, N. Y.
**NATIONAL SHEET METAL ROOFING CO.**, 339 Grand, Jersey City, N. J.
*See adv index at end of book*
Reeves Mfg. Co., Dover, O.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.

## 12744-5—Roofing Tile (Promenade)

Akron Roofing Tile Co., Brook, Akron, O.
Camp Conduit Co., 306 Marshall bldg, Cleveland, O.
Des Moines Clay Co., Des Moines, Ia.
Kushequa Keramic Co. (Chocolate Red), Kushequa, Pa.
Ludowici-Celadon Co. ("Ludowici-Celadon"), Monroe bldg, Chicago, Ill.
Valley Cornice & Slate Co., Ltd., Saginaw, Mich.
White Scott A., Oliver bldg, Pittsburgh, Pa.

## Roofing Tile (Reinforced)

See Roofing Tile, Cement

## 12746—Roofing Tile (Terra Cotta)

Akron Roofing Tile Co., Brook, Akron, O.
Alfred Clay Co., Alfred Station, N. Y.
Camp Conduit Co. (6x6, 6x9, 9x9 & 12x12), 306 Marshall bldg, Cleveland, O.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Des Moines Clay Co., Des Moines, Ia.
Detroit Roofing Tile Co., Detroit, Mich.
Gladding, McBean & Co., Crocker bldg., San Francisco, Cal.
Huntington Roofing Tile Co. ("Huntington" Shingle Tile), Huntington, W. Va.
Ketcham O. W., 24 S. 7th, Phila., Pa.
Los Angeles Pressed Brick Co. (Impervious), Los Angeles, Cal.
Ludowici-Celadon Co. ("Ludowici-Celadon"), Monroe bldg, Chicago, Ill.
Maurer Henry & Son, 420 E 23d, New York
Mound City Roofing Tile Co., 3301 Morganford rd, St. Louis, Mo.
Murray Roofing Tile Co. (Flat Shingles & Tile), Cloverport, Ky.
Valley Cornice & Slate Co., Ltd., Saginaw, Mich.
White Scott A. (Mfrs. Agent), Oliver bldg, Pittsburgh, Pa.

## 12747—Roofing Tile (Terra Cotta, Glazed)

Akron Roofing Tile Co., Brook, Akron, O.
Des Moines Clay Co., Des Moines, Ia
Detroit Roofing Tile Co., Detroit, Mich.
Ludowici-Celadon Co., Monroe bldg, Chicago, Ill.

## 12748—Roofing Tile (Terra Cotta, Graduated)

Akron Roofing Tile Co., Brook, Akron, O.
Detroit Roofing Tile Co., Detroit, Mich.
White Scott A., Oliver bldg, Pittsburgh, Pa.

## 12749—Roofing Tile (Terra Cotta, Spanish Shapes)

Akron Roofing Tile Co., Brook, Akron, O.
California Brick Co., Niles, Cal.
Detroit Roofing Tile Co., Detroit, Mich.
Los Angeles Pressed Brick Co., Los Angeles, Cal.
Ludowici-Celadon Co. ("Ludowici-Celadon"), Monroe bldg, Chicago, Ill.
White Scott A., Oliver bldg, Pittsburgh, Pa.

## 12750—Roofing Tin in Rolls & Sheets

Canton Art Metal Co., Canton, Ohio
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**EDWARDS MFG. CO.**, 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
**MERCHANT & EVANS CO.** ("Camaret," "Merchants Old Method," "Liberty Old Style"), Washington av & 21st, Phila., Pa. *See adv index at end of book*
York Corrugating Co., York, Pa.

## Roofing Tin Mfrs.

See Tin Plate Manufacturers

## 12751— Roofing (V-Crimp)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Delphos Mfg. Co. ("Veribest"), 1st & Pierce, Delphos, O.
**EDWARDS MFG. CO.**, 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Florida Metal Products Co. (Corrugated), Jacksonville, Fla.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Reeves Mfg. Co., Dover, Ohio
Trumbull Steel Co., Warren, Ohio

## 12752— Roofing (Vulcanite)

Mahoning Valley Steel Co., Niles, O.
McClellan Paper Co., 700 S 4th, Minneapolis, Minn.

## 12753—Roofing & Siding (Iron & Steel)

(Star (*) Indicates Rolling Mills)

See also Iron & Steel, Corrugated

*American Rolling Mill Co. ("American Ingot Iron" & Steel), Middletown, O.

ROOFING & SIDING (IRON & STEEL)—continued
*American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Asbestos Protected Metal Co. ("A. P. M." Asbestos Protected), Beaver Falls, Pa.
Ashland Iron & Mining Co. (Black & Galvanized Roofing), Ashland, Ky.
Aspromet Co. (Corrugated & Flat), 1st National Bank bldg., Pittsburgh, Pa.
Berger Mfg. Co., Canton, O.
*Brier Hill Steel Co., Youngstown, O.
Burton W. J. Co., Junction & Federal, Detroit, Mich.
Canton Art Metal Co., Canton, O.
Canton Metal Ceiling Co., Canton, O.
*Carter Iron Co., 307 5th av, Pittsburgh, Pa.
Chattanooga Roofing & Foundry Co. (Patent-Leak Proof), Chattanooga, Tenn.
Cincinnati Sheet Metal & Roofing Co. ("P. A. T., "Magnet" Brand), 226 E Front, Cincinnati, O.
Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.
Colonial Supply Co., 217 Water, Pittsburgh,
*See adv index at end of book*
Columbia Steel Tank Co. (Corrugated), New England bldg, Kansas City, Mo.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Delphos Mfg. Co., 1st & Pierce, Dolphos, O.
Dickelman Mfg. Co., Forest, O.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Duluth Corrugating & Roofing Co., Duluth, Minn.
East Birmingham Iron Roofing Co., Birmingham, Ala.
**EDWARDS MFG. CO.**, 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Eller Mfg. Co., Canton, O.
Falcon Steel Co., Niles, O.
*Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
Garry Iron & Steel Mfg. Co. of N. Y., 819 Lincoln pl., Brooklyn, N. Y.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Globe Iron Roofing & Corrugaing Co., Newport, Ky.
Hammond Sheet Metal Mfg. Co., 119 Cass av, St. Louis, Mo.
Harry O. K. Steel Works, Dallas, Texas
Holzer R. G. (Est. of), (Corrugated), 317 Burgundy, New Orleans, La.
Hopson W. C. Co., Grand Rapids, Mich.
**HYNDMAN ROOFING CO.** (Corrugated Iron, Asbestos Lined), 318 E 2d, Cincinnati, O.
***INLAND STEEL CO.** (Open Hearth Steel Only), 1st Nat'l B'k bldg, Chicago, Ill.
International Steel & Iron Co., Evansville, Ind.
Jersey City Galvanizing Co., 74 Morgan, New York
Kanneberg Roofing & Ceiling Co., Canton, O.
Klauer Mfg. Co., Dubuque, Ia.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Larkin J. K. & Co. (Corrugated Roofing), 34 Reade, New York
*See adv index at end of book*
Lyon, Conklin & Co. ('Lyon"), 19 Balderston, Baltimore, Md.
Martin Metal Mfg. Co., Wichita, Kans.
**MERCHANT & EVANS CO.**, Washington av & 21st, Phila., Pa.
***See adv index at end of book***
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Mobile Steel Co. (Galvanized), Mobile, Ala.
Moeschl-Edwards Corrugating Co., Covington, Ky.
Nelson A. J. Mfg. Co., New Orleans, La.
New England Steel Roofing Co., Worcester, Mass.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
*Newport Rolling Mill Co. (Genuine Open Hearth, Rust Resisting Iron, Black & Galvanized), Newport, Ky.
N. Y. Iron Rfg. & Corr. Co., 1st, Jersey City, N. J.
N. Y. Metal Ceiling Co., 537 W 24th, New York
Niles Iron & Steel Roofing Co., Niles, O.
Norman W. F. Sheet Metal Mfg. Co., Nevada, Mo.
Ohio Corrugating Co., Warren, O.
Ohio Galv. & Mfg. Co. (Steel Only), Niles, O
*Parkersburg Iron & Steel Co., Parkersburg, W. Va.
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Pittston Iron Roofing Co., Pittston, Pa.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
Republic Iron & Steel Co. (Niles Wks.), Niles, Ohio.
Republic Metalware Co., Buffalo, N. Y.
Republic Structural Iron Works Co. (Corrugated), 1350 E 53d, Cleveland, O.
St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
Scott Roofing & Mfg. Co., Cincinnati, O.
*Seneca Iron & Steel Co. (Steel Only), Buffalo, N. Y.
Sharon Steel Hoop Co. ("Mahoning"), Sharon, Pa.
Souther E. E. Iron Co., Kienlin & Hamburger, St. Louis, Mo.
*Stark Rolling Mill Co., Canton, O.
Steel Roofing & Stamping Wks., Des Moines, Ia.
Sykes Co., 930 W 19th pl, Chicago, Ill.
Sykes Metal Lath & Roofing Co., Niles, O.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
*Trumbull Steel Co., Warren, O.
Watson J. H. Co. (Steel), Bradley, Ill.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Whitaker Glessner Co., Wheeling, W. Va.
Worthington Geo. Co., 802-832 St. Clair N W, Cleveland, O.
**YOUNGSTOWN PRESSED STEEL CO.**, Warren, O.
Youngstown Pressed Steel Co., Youngstown, Ohio

## 12754—*Rope (Canal & Tow Lines)

See also Rope, Manila & Sisal

Columbian Rope Co. (Manila), 3050 Genesee, Auburn, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*

## Rope (Cast Steel Switching)

See Rope, Steel Switching & Wrecking

## 12755— Rope (Cotton)

See also Cordage & Twine Manufacturers

Anniston Cordage Co. ("Anniston," "Alabama," "Calhoun," "Oriole W. P.," "Eclipse," "Chicago," "Gilt Edge," "Acme," "Advance," "Albemarle," "Standard" & "Columbia"), Anniston, Ala.
Bibb Mfg. Co., Macon, Ga.
Burdett Mfg. Co., Kansas City, Mo.
California Cotton Mills Co., Oakland, Cal.
Cleveland Mill & Power Co. (Clothes Line, etc), Lawndale, N. C.
Cohankus Mfg. Co., Paducah, Ky.
Demopolis Cotton Mills, Montgomery, Ala.
Eagle & Phenix Mills, Columbus, Ga.
Ederer R. J. Co., 341 W Ohio, Chicago, Ill.
Elder Jas., 230 W Coulter, Gtn., Phila., Pa.
Estes Mills (Sash Cord & Clothes Line), Fall River, Mass.
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.
Fricke J. E. Co., 247 Market, Phila., Pa.
Goss Bros., Fall River, Mass.
Hodson John M., Boone & Markle, Phila., Pa.
Holden James (Transmission), Fall River, Mass.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
Hutcheson Mfg. Co., Banning, Ga.
Lambeth Rope Corp. (Transmission, etc), New Bedford, Mass.
Lees Mfg. Co., Westport, Conn.
Mt. Vernon-Woodbury Mills, Inc., Cont. bldg, Baltimore, Md.
Orange Cotton Mills, Orangeburg, S. C.
Pioneer Cotton Mills, Guthrie, Okla.
Princeton Mfg. Co., Athens, Ga.
Puritan Cordage Mills, Louisville, Ky.
Samson Cordage Works ("Shirley"), 88 Broad, Boston, Mass.
Small Bros., Fall River, Mass.
Southern Mills Corp., Oxford, Ala.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
Tombigee Cotton Mills, Columbus, Miss.
Toohey M. J. & Co., Fall River, Mass.
Travers Twine & Cordage Co., 81 Warren, New York

## 12756— Rope (Fibre Clad)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Waterbury Company, 63 Park Row, New York

## Rope (Haulage & Transmission)

See Wire Rope & Cables; also Rope, Manila & Sisal

## 12757— Rope (Hay)

American Mfg. Co., West & Noble, Brooklyn, N. Y.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hooven & Allison Co., Xenia, O.
Kelly R. A. Co., Xenia, O.
Paxson J. W. Co., 1021 No. Delaware av, Phila., Pa.
Peoria Cordage Co., Peoria, Ill.
Rinek Cordage Co., Easton, Pa.
Rugg E. T. & Co., Newark, O.
St. Louis Cordage Mills, 1715 S 11th, St. Louis, Mo.
Wall Rope Works, Inc., 48 South, New York
Whitlock Cordage Co., 46 South, New York

## 12758— Rope (Hemp)

American Mfg. Co., West & Noble, Brooklyn, N. Y.
Bailey John T. Co., 19th & Washington, Phila., Pa.
Broderick & Bascom Rope Co. (Jobbers), 805 N Main, St. Louis, Mo.
Chelsea Fibre Mills, 212 5th av, New York
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Hooven & Allison Co., Xenia, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Macomber & Whyte Rope Co. ("Mac Whyte"), Kenosha, Wis.
New Bedford Cordage Co., 120 B'way, New York
Plymouth Cordage Co., N Plymouth, Mass.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
St. Louis Cordage Mills, 1715 S 11th, St. Louis, Mo.
**WALL ROPE WORKS, INC.**, 48 South, New York.
Whitlock Cordage Co., 46 South, New York

## 12758a— *Rope (Iron)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 12759— Rope (Jute)

American Mfg. Co., West & Noble, Brooklyn, N. Y.
Bailey John T. Co., 19th & Washington, Phila., Pa.
Chelsea Fibre Mills, 212 5th av, New York
Dolphin Jute Mills, Paterson, N. J.
Hodson John M., Boone & Markle, Phila., Pa.
Hooven & Allison Co., Xenia, O.
Jackson Thos. & Son Co., Reading, Pa.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Radcliffe & Shaw Co., Glen Rock, Pa.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Schlichter Jute Cordage Co., 20 N Front, Phila., Pa.

## 12760— Rope (Lead)

Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
United Lead Co. ("Ulco"), 111 B'way, New York

## 12761—Rope (Locked Coil & Locked Wire)

Broderick & Bascom Rope Co., 805 N. Main, St. Louis, Mo.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.

## Rope (Manila Switch)

See Rope, Manila Transmission

## 12762—Rope (Manila Transmission)

American Mfg. Co. ("American"), West & Noble, Brooklyn, N. Y.
Broderick & Bascom Rope Co. (Jobbers), 805 N. Main, St. Louis, Mo.
Colonial Supply Co. (Jobbers), 441 1st av, Pittsburgh, Pa.
*See adv index at end of book*
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Fischer & Hayes Rope & Steel Co., 742-744 745 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Hooven & Allison Co., Xenia, O.
**HUNT C. W. CO.,** West New Brighton N. Y. *See adv index at end of book*
Kelly R. A. Co., Xenia, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Macomber & Whyte Rope Co. ("Mac Whyte"), Kenosha, Wis.
New Bedford Cordage Co., 120 B'way, New York
Plymouth Cordage Co., North Plymouth, Mass.
Portland Cordage Co., 14th & Northrup, Portland, Ore.
Rinek Cordage Co., Easton, Pa.
Rugg E. T. & Co., Newark, O.
St. Louis Cordage Mills ("American"). 1715 S 11th, St. Louis, Mo.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
**WALL ROPE WORKS, INC.,** 48 South, New York.
Waterbury Co., 63 Park Row, New York
Whitlock Cordage Co., 46 South, New York

## 12763—Rope (Manila & Sisal)

American Mfg. Co., West & Noble, Brooklyn, N. Y.
Broderick & Bascom Rope Co. (Jobbers), 805 N. Main, St. Louis, Mo.
Cating Rope Works, Maspeth, N. Y.
Central Rope Mfg. Co. (Manila Only), 181 Scholes, Brooklyn, N. Y.
**COLONIAL SUPPLY CO.** (Manila), 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Columbian Rope Co. (Transmission, Hoisting, Bale, Hay & Hide Rope; also Jute & Hemp Rope, etc), 3050 Genesee, Auburn, N. Y.
Daniels C. R., Inc., 115 South, New York
De Grauw Aymar & Co., 34 South, New York
**FEDERAL ROPE CO.** (Manila Only), Morgan av & Ten Eyck, Brooklyn, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fitler Edwin H. Co., 517 Arch. Phila., Pa.
**FRICK & LINDSAY CO.** (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Hooven & Allison Co., Xenia, O.
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Indianapolis Cordage Co., Indianapolis, Ind.
Jackson Thos & Son Co. (Also Jute), Reading, Pa.
Kelly R. A. Co., Xenia, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Merchants & Mfrs. Supply Co. (Shredded Sisal), Chelsea, Mass.
Macomber & Whyte Rope Co. ("Mac-Whyte"), Kenosha, Wis.
**NEW BEDFORD CORDAGE CO.,** 120 B'way, New York; Mills: New Bedford, Mass.
Peoria Cordage Co., Peoria, Ill.
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Plymouth Cordage Co., N Plymouth, Mass.
Portland Cordage Co. ("P"), 14th & Northrup, Portland, Ore.
Rinek Cordage Co. ("Rinek," Standard), Easton, Pa.
Rugg E. T. & Co., Newark, O.
St. Louis Cordage Mills ("American" Manila, "Royal" Sisal), 1715 S 4th, St. Louis, Mo.
Travers Twine & Cordage Co., 81 Warren. New York
Tubbs Cordage Co. (6 Thread to 14" circumference), Kohl bldg, San Francisco, Cal.
**WALL ROPE WORKS, INC.,** 48 South, New York
Walsh's Sons & Co., Inc. (Second Hand, etc), Newark, N. J.
Waterbury Co., 63 Park Row, New York
Whitlock Cordage Co., 46 South, New York

## 12764— Rope (Plow, Steel)

American Steel & Wire Co. (Hoisting), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co. ("Atlas Improved"), 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO.** ("Blue Center"), Trenton, N. J.
*See adv index at end of book*

## 12765— Rope (Rawhide)

Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
National Leather Mfg. Co., Niles, Mich.
Western Rawhide & Belting Co., 600 So Pierce, Milwaukee, Wis.

## 12766—Rope Rigging (Yacht)

See also Rope, Manila & Sisal
For Wire Rigging Rope, See Wire Rope & Cables
American Mfg. Co., Noble & West, Brooklyn, N. Y.
Columbian Rope Co., 3050 Genesse, Auburn, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Macomber & Whyte Rope Co. ("Mac-Whyte"), Kenosha, Wis.

## Rope (Steel Mast Arm or Arc Light)

See Wire Rope & Cables

## Rope (Steel Switching & Wrecking)

See Wire Rope & Cable

## 12766a—*Rope (Switching Locomotive)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

## Rope (Tarred)

**See Yarn, Tarred**

## 12767— *Rope (Tiller)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 12767a—Rope (Transmission)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbia Rope Co., 3050 Senessee, Auburn, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

## 12767b— Rope (Wire)

See also Wire Rope & Cable Manufacturers

Foster Mfg. & Supply Co., 20th & Venango, Phila., Pa.
**FRICK & LINDSAY CO.** (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Virginian Electric & Machine Works ("Williamsport"), Charleston, W. Va.
**WICKWIRE SPENCER STEEL CORP.,** Worcester, Mass.
*See adv index at end of book*

## 12768—Ropes (Automobile Towing)

**AMERICAN STEEL & WIRE CO.** ("A. S. & W. Co.," also Cables), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Asch & Co. ("Motorope"), 16 W 61st, New York
Broderick & Bascom Rope Co. ("Basline"), 805 N Main, St. Louis, Mo.
Channon H. Co., 150 N Market, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hogarty Edward, Unionville, Conn.
Leschen A. & Sons Rope Co. ("Hercules"), 920 N First St. Louis, Mo.
Papyrus Artificial Paper Mfg. Co., Kenilworth, N. J.
Samson Cordage Co., 88 Broad, Boston, Mass.

## 12768a— *Ropes (Switch)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 12769— Rosettes (Chair)

Berbecker & Rowland Mfg. Co. (Stamped Brass), Waterville, Conn.

## 12770— Rosettes (Electric)

Adapts Mfg. Co., 919 West, Cleveland, O.
American Conduit Mfg. Co., New Kensington, Pa.
Arrow Electric Co. ("Midget" & "K W" Fuse & Fuseless "Arrow" Pole Switch) Hartford, Conn.
Bonnell, W. A., 192 Chambers, New York
Bryant Electric Co. ("Bryant" Switch Rosettes & "K-W"), Brigeport, Conn.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Crouse Hinds Co. ("Norbitt" Porcelain), Syracuse, N. Y.
Freeman E. H. Electric Co. (Porcelain), Trenton, N. J.
Hart & Hedgeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Heinemann Geo., 728 W Girard av, Phila., Pa.
Hubbell Harvey Co., Bridgeport, Conn.
Manhattan Electrical Supply Co. (For the Ceiling), 17 Park pl, New York
*See adv index at end of book*
Paiste H. T. Co., 3201 Arch, Phila., Pa.
Pass & Seymour ("P. & S." & "Littlegem"), Solvay, N. Y.
Paulding John D., Box 467, New Bedford, Mass.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Sears Henry D. ("Weber"), 80 Boylston, Boston, Mass.
Trumball Elec. Mfg. Co., Woodford av, Plainville, Conn.
Union Elec. Co., Trenton, N. J.

## 12770a—*Rosettes ("Standard")

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 12771— Rosettes (Harness)

Duranoid Mfg. Co., 213 Chestnut, Newark, N. J.
Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.

## 12772—*Rosettes (Turned Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*

## 12773—Rosettes & Pickets (Iron)

Braun J. G., 609 S Paulina, Chicago, Ill.
Kline Hardware Co., Allentown, Pa.
Milwaukee Hay Tool Co. (Malleable Iron Pickets), Layton Park, Milwaukee, Wis.
Pratt Wm. E. Mfg. Co. (Malleable Iron), 35 W Lake, Chicago, Ill.

## 12774— Rosin Mfrs.

Adams F. C. Co. (Mfrs.' Agt.), 118 La Salle, Chicago, Ill.
Antwerp Naval Stores Co., Savannah, Ga.
Ashe-Carson Co., Andalusia, Ala.
Barclay Naval Stores Co. (Jobbers), 44 Whitehall, New York
Breslauer, A. (Mfrs. Agent), American National Bank bldg, San Francisco, Cal.
Bush Chas. S. Co. (Powdered), 224 Weybosset, Providence, R. I.
Central Commercial Co. (Jobbers), 111 N Market, Chicago, Ill.
Columbia Naval Stores Co., Savannah, Ga.
Doggett Stanley (Dealers), 11 Cliff, New York
Forest Products Co. ("Pinesote"), 1212 Whitney, New Orleans, La.
**GENERAL NAVAL STORES COMPANY (INC.)** ("Newport"), 90 West, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Larendon M. W. & Co. (Jobbers), 82 Wall, New York
London-Savannah Naval Stores Co., Savannah, Ga.
Michigan Electrochemical Co., Menominee, Mich.
National Pulp & Turpentine Co., Green Cove Springs, Fla.
National Rosin Oil & Size Co., 90 West, New York
Naval Stores Equipment Co. (Jobbers), Canal Bank bldg, New Orleans, La.
Newport Turpentine & Rosin Co., Milwaukee, Wis.
New York Rosin Oil & Varnish Co. (Rosin Oil & Products), 90 West, New York
North Carolina Naval Stores Co., Wilmington, N. C.
Peninsular Naval Stores Co., Jacksonville, Fla.
Petteway H. H., Wauchula, Fla.
Producers' Turpentine Co., Elizabeth, La.
Rosin & Turpentine Export Co. (dealers), 26 Cortlandt, New York
Scheel Wm. H. (Jobbers), 159 Maiden la, New York *See adv index at end of book*
Sealy Thos. (Jobbers), 138 Front, New York
Stevens Frederic B. (Jobbers), Powdered, etc.), 3d & Larned, Detroit, Mich. *See adv index at end of book*
Taylor, Lowenstein & Co., Mobile, Ala.
Turton C. B. Co. (Jobbers), 16 Exchange pl, New York
Webb A. L. & Sons, Maryland Trust bldg, Baltimore, Md.
Winkler Isaac & Bro. Co. (Jobbers), First Natl. Bank bldg, Cincinnati, O.

## 12775—Rotary Rapper for Bench Moulders

Fulton Foundry & Machine Co., 21 Furman, Brooklyn, N. Y.

## 12775a— Rotten-Stone

See also Pumice Stone Importers

Chrystal Chas. B., 13 Cliff, New York *See adv index at end of book*
Keystone Minerals Co., 41 Union sq, New York

## 12776— Rouge (Powdered)

See also Compositions, Buffing

**CHRYSTAL CHAS. B.** (Imp), 13 Cliff, New York. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mirror Range Co. (Glass Polishing), New Kensington, Pa.
Munning A. P. & Co., Matawan, N. J.
Smith J. Lee & Co. (Imp), 19 Jacob, New York

## 12776a—*Roughs (Last & Tenpin)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 12777— Roundels

Corning Glass Works (Semaphore Classification Lamps & Other Signals), Corning, N. Y.

## 12777a— *Rounds (Chair)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 12778— Rounds (Ladder)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 12779— Row-Locks

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Durkee Chas. D. & Co., 2 South, New York
Greene, Tweed & Co., 109 Duane, New York
Laughlin Thos. Co., Portland, Me.
Malleable Iron Fittings Co. ("Davis" Pattern, "Hammer" Self-Locking, etc; "M. I. F. Co."), Branford, Conn.
Marine Hdw.-Equipment Co., So. Portland, Me.
Morss A. S. Co., 132 Federal, Boston, Mass.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Tiebout W. & J., 118 Chambers, New York
Wilcox, Crittenden & Co., Inc. ("Adirondack," "Blackburn," "Columbian," "Southwick," "Milwaukee," "Moline," "Detroit," "Vancouver," "Victoria," "Boston Pattern," "Davis," "Acme," "North River," etc), Middletown, Conn. *See adv index at end of book*

## 12780—Rubber Bumpers & Cushions

Acme Rubber Mfg. Co., Trenton, N. J.
Boston Belting Corp., 84 Lincoln Park, Boston, Mass.
Cincinnati Rubber Mfg. Co. (Springs), Cincinnati, O.
Closet Seat Bumper Co., Cincinnati, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Elastic Tip Co., 370 Atlantic av, Boston, Mass.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Goodrich B F. Co., Akron, O
Goodyear Tire & Rubber Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Long Adam A. Machine Works ("Q. D." Closet Seat), Rochester, N. Y.
National India Rubber Co., Bristol, R. I.
New York Belting & Packing Co., 91 Chambers, New York
Norwalk Mfg. Co. (Bumpers), E Norwalk, Conn.
Pennsylvania Rubber Co., Jeannette, Pa.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Schacht Rubber Mfg. Co., Huntington, Ind.
Standard Woven Fabric Co., Walpole, Mass.
U. S. Rubber Co., 1790 Broadway, New York
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 12781— Rubber (Crude)

Aldens' Successors (Ltd.) (Imp), 290 B'way, New York
American Trading Co., 25 Broad, New York
Arnold & Zeiss, 347 Madison av, New York
Astlett H. A. & Co. (Imp), 113 Pearl, New York
Blitz L., 4 Stone, New York
Brandon Isaac & Bros., 17 Battery pl, New York
Brown W. G. & Co., Union Central bldg, Cincinnati, O.
Calvet, Pablo & Co., 99 Water, New York
Catz American Co., Inc. (Imp), 59 Pearl, New York
Dumarest Bros., 66 Front, New York
Dunbar F. W. & Co. (Imp.), 280 B'way, New York
Earle Bros., 66 Broad, New York
Eastmond & Co. (Imp), 82 Beaver, New York
Eggers & Heinlein, 59 Pearl, New York
General Export & Commission Co., 8 Bridge, New York
General Rubber Co., 1790 B'way & 58th, New York
Gillespie Bros. & Co., 11 B'way, New York
Gonzalez Andres (Imp), 82 Pine, New York
Gough W. L. Co., 16 Exchange pl, New York
Grace W. R. & Co., 7 Hanover Square, New York
Hagemeyer & Brunn, 82 Beaver, New York
Harburger & Stack, 27 Ferry, New York
Hartman Bros., Inc. (Imp.), 641 Atlantic av, Boston, Mass.
Held A., 11 William, New York
Henderson F. R. & Co., 111 B'way, New York
Hirsch Adolph & Co. (Imp), 63 Park Row, New York
Johnson Lawrence & Co., 209 So. 3rd, Phila., Pa.
Johnstone J. T. & Co. (Imp.), 22 William, New York
Littejohn L. & Co. (Imp), 138 Front, New York
Marquardt H. & Co., 35 S William, New York
Maurer Ed. Co., 80 Maiden la, New York
Mecke & Co., 6 Hanover, New York
Mexican Crude Rubber Co., 168 Penobscot, Detroit, Mich.
Meyer & Brown, 347 Madison av, New York
Mitsui & Co. (Imp), 65 B'way, New York
Pell Geo. E. (Broker), 68 Broad, New York
Piza Nephews & Co. (Imp. & Exp.), 18 B'way, New York
Raw Products Co., 80 Wall, New York
Robinson & Co., 25 Beaver, New York
Rossbach J. H. & Bros. (Imp.), 55 Frankfort, New York
Rotholz A. N., 123 Liberty, New York
Rubber Trading Co., 9 Murray, New York
Russell W. R. & Co., 138 Front, New York
Steiger Trading Co. (Inc.), 49 Murray, New York
Stiles Wm. H., 79 Wall, New York
Tallman Albert V. W. (Broker), 54 Stone, New York
United Malaysian Rubber Co., 2 Rector, New York
Wilson Chas. T. Co., 56 Wall, New York

## 12781a— Rubber (Dental)

Ash Claudius Sons & Co., 1 Union sq, New York
Doherty Eugene (Est. of), 110 Kent av, Brooklyn, N. Y.
Kleinert I. B. Rubber Co., 725 B'way, New York
McCormick E. J. Rubber Co., Lodi, N. J.
Traun Rubber Co., 239 4th av, New York
White S. S. Dental Mfg. Co., 12th & Chestnut, Phila., Pa.

## 12782— Rubber Flux

Standard Woven Fabric Co., Walpole, Mass.

## 12783— Rubber Goods

### CALIFORNIA.

EMERYVILLE—American Rubber Mfg. Co.
SAN FRANCISCO—American Rubber Mfg. Co. (Mechanical), 356 Market
Goodyear Rubber Co. (Mechanical, Molded Oil Clothing, etc), 539 Mission
Pioneer Rubber Mills, 68 Sacramento

### COLORADO.

DENVER—Gates Rubber Co. (Tires)

### CONNECTICUT.

BEACON FALLS—Beacon Falls Rubber Shoe Co. (Footwear)
BRIDGEPORT—Canfield H. O. Co. (Molded)
*See adv index at end of book*
Electric Cable Co. (See New York City)
Siemon Hard Rubber Corp. (Insulating Specialties)
MIDDLETOWN—Goodyear Rubber Co. (See New York City)
Omo Mfg. Co. (Dress Shields)
Goodyear's Metallic Rubber Shoe Co. (Footwear), Controlled by United States Rubber Co. (See New York City)
NEW HAVEN—Baumann Rubber Co. (Toys, Balls, Druggists' Sundries, etc.)
Seamless Rubber Co. (Druggists' Sundries)
RIVERTON—Raley Rubber Co. (Nipples & Pacifier)
SANDY HOOK—Fabric Fire Hose Co. (See New York City)
SEYMOUR—Day H. P. & E. (Hard Rubber Specialties)
Kerite Insulated Wire & Cable Co. (See New York City)
STAMFORD—Atlantic Insulated Wire & Cable Co. (Insulated Wires)
WALLINGFORD—New York Insulated Wire Co. (See New York City)

### DELAWARE.

WILMINGTON—du Pont Fabrikoid Co. (Carriage Cloth, Rubberized Fabrics)
Electric Hose & Rubber Co. (Rubber Hose), 12th & Dure

### GEORGIA.

ATLANTA—Dominion Asbestos & Rubber Corp., Healey bldg
*See adv index at end of book*

### ILLINOIS.

CHICAGO—**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Chicago Insulated Wire & Mfg. Co., 53 W Jackson blvd
Dominion Asbestos & Rubber Corp., 127 N Dearborn
*See adv index at end of book*
Featheredge Rubber Co., 414 W Grand av
Mechanical Rubber Co., 2639 W Grand av
Vail Rubber Co. (Mechanical Goods), 144 W 27th
SYCAMORE—Chicago Insulated Wire & Mfg. Co. Insulated Wires & Cables)

### INDIANA.

ANDERSON—Anderson Rubber Works
ELKHART—Elkhart Rubber Works (Mechanical & Molded)
GOSHEN—Western Rubber Co. (Mechanical & Molded Goods, etc)
INDIANAPOLIS—G. & J. Tire Co. (Tires)
JONESBORO—Indiana Rubbebr & Insulated Wire Co., P. O. Box 192 (Insulated Wires & Cables, Tires & Mechanical Goods)
KOKOMO—Kokomo Rubber Co. (Tires)
MARION—Marion Insulated Wire & Rubber Mfrs. (Insulated Wires & Cables)
MISHAWAKA—Mishawaka Woolen Mfg. Co. (Boots & Shoes)

### MARYLAND.

BALTIMORE—**DOMINION ASBESTOS & RUBBER CORP**, 418 E Pratt
*See adv index at end of book*
Henderson Rubber Co., 102 Commerce

### MASSACHUSETTS.

ACUSHNET—Acushnet Process Co.
ANDOVER—Tyer Rubber Co. (Druggists' & Stationers' Sundries, Sporting & Molded Goods)
BOSTON—American Circular Loom Co. (Interior Conduits), 16 Medford
American Rubber Co. (Footwear & Clothing), 130 Essex (Controlled by U. S. Rubber Co.), 130 Essex
American Steam Packing Co. (Steam Packing), 165 High
Atlantic Rubber Co., Linden
Boston Belting Corp. (Mechanical, etc.), 84 Linden Park
Boston Rubber Shoe Co. (Footwear), 130 Essex (Controlled by U. S. Rubber Co.)
Clifton Mfg. Co. (Insulating Compounds, Tapes, Insulating Conduits & Clothing, etc), 65 Brookside av, Jamaica Plain
Columbia Rubber Co. (Waterproof Clothing), 301 Congress
Davidson Rubber Co. (Druggists' Sundries & Hard Rubber Goods)
Foster Rubber Co. (Heels & Soles, Horse Shoe Pads, Crutch Tips, Tires, etc), 105 Federal. Factory: Walpole, Mass.
Franklin Rubber Co. (Clothing), 134 Federal
Hale Alfred Rubber Co. (Diving Apparatus & Molded Work), 17 Covington, S. Boston
Hauthaway C. L. & Sons (Cements), 346 Congress
Hood Rubber Co. (Footwear), 10 High (See Watertown)
New England Blacking Co. (Cements), 24 Binford
New England Rubber Shoe Co. (Controlled by Hood Rubber Co.), 284 Summer
Revere Rubber Co. (Mechanical Goods & Tires, etc.), 60 High
Simplex Wire & Cable Co. (Insulated Wire & Cable)
United States Rubber Co. (Holding Company for American Rubber Co., and Other Companies), 284 Sumner
BROCKTON—Hazen-Brown Co. (Cements)
Stowe & Woodward Co. (Proofing of Cloth & Mechanical Goods)
CAMBRIDGE—American Rubber Co. (See Boston)
Boston Woven Hose & Rubber Co. (Mechanical Goods)
Simplex Wire & Cable Co. (See Boston)
CANTON JUNCTION—C-C-C Fire Hose & Rubber Co. (Rubber-Lined Cotton Fire Hose)
CHELSEA—Revere Rubber Co. (See Boston)
CHICOPEE—Spalding A. G. & Bros. Mfg. Co. (Golf Balls & Sporting Goods)
CHICOPEE FALLS—Fisk Rubber Co. (Tires)
EASTHAMPTON — Easthampton Rubber Thread Co. (Rubber Thread & Bands)
HUDSON—Apsley Rubber Co. (Clothing & Footwear)
HYDE PARK—Bay State Insulated Wire & Cable Co. (Insulated Wire & Cables)
LOWELL—Lowell Insulated Wire Co. (Rubber-Covered Wires & Lamp Cords)
Converse Rubber Shoe Co. (Footwear)
Franklin Rubber Co. (See Boston)
MILFORD—Archer Rubber Co. (Proofing for the Trade)
NORTH BROOKFIELD—Quabaug Rubber Co. (Molded Goods)
READING—McTernan Rubber Mfg. Co. (Druggists' Sundries & Molded Work)
Metropolitan Air Goods Co.
Reading Rubber Mfg. Co. (See Boston)
SALEM—Salem Rubber Co. (Cements),
STOUGHTON — Stoughton Rubber Co. (Clothing & Molded Goods) (Controlled by Rubber Goods Mfg. Co.)
WALPOLE—Standard Woven Fabric Co. (Rubber Insulating Tapes, Mechanical Goods, Cements, Molded Work, etc)
WATERTOWN—Hood Rubber Co. (Footwear)
WEST MEDFORD—Mystic Rubber Corp. (Dress Shields, Sheetings, etc)
WORCESTER—**AMERICAN STEEL & WIRE CO.** (Insulated Wires)
*See adv index at end of book*

### MICHIGAN.

DETROIT—Dominion Asbestos & Rubber Corp. Farwell bldg.
*See adv index at end of book*
MUSKEGON—Curtis Tire & Rubber Co. (Moulded, Tires & Tubes)

### MISSOURI.

ST. LOUIS—Banner Rubber Co. (Footwear), Kenrick & Bittner
St. Louis Rubber Cement Co. (Cements), 3046 Lambdin av

### NEW JERSEY.

BAYONNE—Safety Insulated Wire & Cable Co. (See New York City)
BLOOMFIELD—Combination Rubber Mfg. Co. (Mechanical)
BUTLER—American Hard Rubber Co. (See New York City)
Bloomingdale Rubber Co.
EAST ORANGE—Seabury & Johnson (See New York City)
ELIZABETH—Jenkins Rubber Co.
GARFIELD—Laurel Co. (Stationers' Sundries)
HAWTHORNE—La Favorite Rubber Mfg. Co.
HOBOKEN—American Lead Pencil Co (See New York City)
IRVINGTON—Ash Claudius Sons & Co. (Ltd.) (See New York City)
JERSEY CITY—Eureka Fire Hose Mfg. Co., Wilkinson av (See New York City)
New Jersey Car Spring & Rubber Co. (Mechanical, etc), 91 Brunswick
Voorhees Rubber Mfg. Co. (Mechanical), 18 Bostwick av
LAMBERTVILLE—Lambertville Rubber Co. (Boots & Shoes)
LODI—Mattson Rubber Co. (Tire Repair Stock, Moulded & Special)
McCormick E. J. Rubber Co. (Dental)
MILLTOWN—Michelin Tire Co. (Tires)
NEWARK—Faber A. W. Rubber Works, 41 Dickerson. (See New York City)
Faber Eberhard Rubber Co. (See New York City)
NEW BRUNSWICK — Howe Rubber Co. (Inner Tubes)
India Rubber Co. (Hard)
NEW DURHAM—Peerless Rubber Mfg. Co. (Controlled by Rubber Goods Co., New York City)
PASSAIC—Manhattan Rubber Mfg. Co. (Mechanical)
Okonite Co. (Insulate Wires & Cables, N. Y. C. & Passaic, N. J.)
TRENTON—Acme Rubber Mfg. Co. (Mechanical)
Ajax Rubber Co.
Crescent Insulated Wire & Cable Co. (Insulated Wire)
Empire Tire & Rubber Corp. (Mechanical & Auto Tires)
Essex Rubber Co. (Specialties for the Shoe Trade)
Hamilton Rubber Mfg. Co. (Mechanical)
Home Rubber Co. (Mechanical)
Luzerne Rubber Co. (Hard Rubber)
United & Globe Rubber Co. (Mechanical)
Whitehead Bros. Rubber Co. (Mechanical & Moulded)
Woven Steel Hose & Rubber Co. (Mechanical)

### NEW YORK.

ALBANY—Dominion Asbestos & Rubber Corp., Arkay bldg
*See adv index at end of book*
BATAVIA—Batavia Rubber Co. (Tires & Moulded Goods)
BEACON—New York Rubber Co. (See New York City)
BUFFALO—Buffalo Weaving & Belting Co. (Rubber Belting & Webbings)
Hewitt Rubber Co. (Mechanical Goods & Hose Specialties)
Metric Packing Co., 244 Kensington av
*See adv index at end of book*
LOCKPORT—Empire Mfg Co (Rubber-Lined Cotton Hose & Belting)
MT. VERNON—Hodgman Rubber Co. (See New York City)

### NEW YORK CITY.

Borough of Brooklyn.

BROOKLYN—Brooklyn Shield & Rubber Co., 397 Summer av (See Brooklyn Rubber Co.)
Doherty Eugene (Est. of) (Dental & Stamp Rubber), 110 Kent av

NEW YORK-BROOKLYN—continued

Faber Eberhard Rubber Co. (Erasers & Stationers' Rubber Goods), 37 Greenpoint
Gutta Percha & Rubber Mfg. Co., 53 Franklin av
Parker Stearns & Co. (Molded Rubber Goods), 286 Sheffield av

**Boroughs of Manhattan and Bronx.**

NEW YORK—Ajax Rubber Co. (Tires, Soles & Heels), 220 W 57th. Factory, Trenton, N. J.
American Hard Rubber Co. (Hard Rubber Goods), 9 Mercer. Factories, College Point, Borough of Queens, New York; Butler, N. J., Akron, O.
American Lead Pencil Co. (Rubber Erasers & Bands), 220 5th av Factory, Hoboken, N. J.
American Wringer Co. (Rubber Rolls) 99 Chambers. Factory: Auburn, N. Y.
Ash Claudius Sons & Co. (Dental Rubber), 1 Union sq. Factory: Irvington, N. J.
Consolidated Rubber Tire Co. (Tires), 200 W 57th
**DOMINION ASBESTOS & RUBBER CORP.** 67 Murray
*See adv index at end of book*
Eagle Pencil Co. (Rubber Erasers, etc.), 703 E 13th
Eureka Fire Hose Mfg. Co. (Rubber-Lined Fire Hose), 27 Barclay, Factory: Jersey City, N. J.
Fabric Fire Hose Co. (Fire Hose), 127 Duane. Factory, Sandy Hook Conn. (Controlled by Rubber Goods Mfg. Co., New York City)
Gillette Rubber Co. (Tires & Tubes), 1834 B'way
Good Mfg. Co. ("Good"), 305 E 134th
Goodyear Rubber Co. & Rubber Clothing Co. (Footwear) 787 B'way. Factory: Middletown, Conn.
Gutta Percha & Rubber Mfg. Co. (Mechanical), 126 Duane. Factory: Brooklyn, N. Y.
Habirshaw Elec. Cable Co. (Insulated Wires), 10 E 43d. Factory: Yonkers, N. Y
Hodgman Rubber Co. (Mackintoshes, Rubber Clothing, Druggists' & Stationers' Sundries & Air Goods), 8 W 40th. Factories: Tuckahoe, N. Y., & Mt. Vernon, N. Y.
International Rubber Co. (Tiling, Sheeting, etc.), 120 B'way
Jenkins Rubber Co. (Mechanical Packings, Valves, etc.), 80 White Factory: Elizabeth, N. J., Jenkins Bros. Propts.
Kerite Insulated Wire & Cable Co. (Insulated Wires & Cables), 30 Church. Factory: Seymour, Conn
Kleinert I. B. Rubber Co. (Dental Rubber & Dress Shields), 725 B'way. Factory: College Point, Borough of Queens, New York City
Mechanical Rubber Co. (Mechanical), 73 Reade. (Controlled by Rubber Goods Mfg. Co., New York City)
New York Belting & Packing Co. (Mechanical, Mattings, etc), 91 Chambers. Factories: Passaic, N. J (Controlled by Rubber Goods Mfg Co., New York City)
New York Gas Tubing Co. (Gas Tubings), 95 Bank
New York Insulated Wire Co. (Insulated Wires & Hard Rubber Insulating Tapes, Gasket Packing, etc), 84 State, Boston, Mass Factory: Wallingford, Conn.
New York Rubber Co. (Mechanical Rubber Goods), Reade & Church
Okonite Co. (Insulated Wires & Cables), 501 Fifth av. Factory: Passaic, N. J.
Peerless Rubber Mfg. Co., 59 Reade
Rubber Goods Mfg. Co. (Mechanical Tires, etc), B'way & 58th
Safety Insulated Wire & Cable Co (Insulated Wires & Cables), 114 Liberty. Factory: Bayonne, N. J.
Seabury & Johnson (Rubber Plasters) 59 Maiden Lane. Factory: East Orange, N. J.
Soltau Robt. & Co. (Gutta Percha Tissue), 75 John
Traun Rubber Co. (Dental & Druggists' Sundries, Stamp Rubber, etc), 335 B'way. Factory: College Point, Borough of Queens, New York City
United States Rubber Co. (Footwear, Clothing, Druggists' Sundries, Insulated Wires, etc), 58th & B'way.
Vulcanized Rubber Co. (Hard Rubber Goods), 251 4th av. Factory: Morrisville, Pa.
Western Electric Co. (Hard Rubber, Electrical Specialties & Insulated Wires), 463 West

**Borough of Queens.**

COLLEGE POINT—Traun Rubber Co. (See New York City)
LONG ISLAND CITY—Rubber Stopple Co. (Small Molded Goods), West av

**Borough of Richmond.**

PRINCES BAY—White S. S. Dental Mfg. Co. (See Phila., Pa.)

**(End of New York City)**

PALMYRA—Crandall Packing Co. (Packings, etc)
Dealers Steam Packing Co. (Packings)
Garlock Packing Co.
TUCKAHOE—Hodgman Rubber Co. (See New York City)
YONKERS—Habirshaw Electric Cable Co. (See New York City)

## OHIO.

AKRON—Akron Fountain Pen Co. (Fountain Pens)
Amazon Rubber Co.
American Hard Rubber Co. (See New York City)
American Tire & Rubber Co.
Firestone Tire & Rubber Co. (Tires)
General Tire & Rubber Co.
Goodrich B. F. Co. (Mechanical Rubber Goods, Tires, Stationers' & Druggists' Sundries, etc)
Goodyear Tire & Rubber Co. (Mechanical Goods, Tires, Druggists' Sundries, etc)
Gregory Rubber Co.
India Rubber Co., Mogadore
Lincoln Rubber Co.
Lyon Rubber Co. (Gloves & Other Dipped Goods)
Miller Rubber Co. (Tires, Druggists' Sundries, Toys, Physicians' & Hospital Supplies, etc)
Mohawk Rubber Co. (Tires & Tubes)
Motz Clincher Tire & Rubber Co. (Tires)
M. & M. Mfg. Co.
O'Neil Tire & Rubber Co.
Pike Rubber Co. (Rubber Specialties)
Pioneer Rubber Specialty Co.
Pioneer Rubber Specialty Co. (Gloves, etc), Akron, O.
Star Rubber Co. (Seamless Druggists' Sundries)
Swinehart Tire & Rubber Co. (Carriage Tires)
ASHLAND—Faultless Rubber Co. (Druggists' Surgical Sundries, Molded Goods, etc)
BARBERTON—Rubber Products Co. (Mechanical & Druggists' Sundries)
BEDFORD—Owen Tire Rubber Co. (Tires, etc.)
CANTON—Canton Rubber Co. (Seamless Goods & Druggists' Sundries)
Wilson Rubber Co. (Druggists' Sundries & Gloves)
CARROLLTON—L. & M. Rubber Co.
CINCINNATI—Cincinnati Rubber Mfg Co. (Mechanical)
Dominion Asbestos & Rubber Corp., Neave bldg
*See adv index at end of book*
CLEVELAND—Aetna Rubber Co. (Gloves), 815 E 79th
Chemical Rubber Co. (Laboratory Supplies), W 112th
Ideal Tire & Rubber Co., Warner rd
COLUMBIA—Columbia Tire & Rubber Co.
CUYAHOGA FALLS—Eclat Rubber Co. (Mechanical Rubber Tubing, Windshield Strips, Baby Carriage Tires, Radiator Hose)
Falls Rubber Co. (Tires)
Marathon Tire & Rubber Co. (Tires, etc)
EAST PALESTINE—McGraw Tire & Rubber Co. (Tires, etc)
ELYRIA—I. T. S. Rubber Co.
MANSFIELD—Columbia Tire & Rubber Co.
Mansfield Tire & Rubber Co. (Tires, Tubes, etc)
MARION—Marion Tire & Rubber Co.
MASSILLON—Realty Rubber Co. (Seamless Rubber Goods)
RAVENNA—Rayon Rubber Co. (Novelties)
SALEM—Porter Rubber Co.
SPRINGFIELD—Victor Rubber Co. (Mechanical, Tires, etc)
WARREN—Packard Electric Co. ("Packard," Cable)
WILLOUGHBY—Standard Tire & Rubber Mfg. Co. (Mechanical & Molded Goods)
YOUNGSTOWN—Republic Rubber Co. (Mechanical, Tires, etc)

## PENNSYLVANIA.

BLOOMSBURG—Wirt Paul E. (Fountain Pens)
CONSHOHOCKEN—Lee Tire & Rubber Co. (Tires, etc)
ERIE—Continental Rubber Works (Mechanical, Tires, etc)
Keystone Rubber Mfg. Co.
Vulcan Rubber Co. (Tires, Tubes, etc)
JEANNETTE—Pennsylvania Rubber Co. (Mechanical, Tires, etc)
PHILADELPHIA—**DOMINION ASBESTOS & RUBBER CORP.** 110 Walnut. *See adv index at end of book*
Goodall Rubber Co. (Mechanical), 10th & Race
Montgomery Bros. (Cements), 45 S 2d
Moore Alfred F. (Insulated Wires), 200 N 3d
Mulconroy Co. (Mechanical Goods, etc), 54th & Jefferson
Quaker City Rubber Co. (Mechanical), 629 Market
White S. S. Dental Mfg. Co. (Dental Supplies), 211 S 12th. Factory: Princess Bay, Bor. of Richmond, New York City
WILLIAMSPORT—Lycoming Rubber Co.

## RHODE ISLAND.

BRISTOL—National India Rubber Co. (Insulated Wires, Footwear, Mechanical Goods, Druggists' Sundries, Carriage Cloth), Controlled by U. S. Rubber Co.
PAWTUCKET—Collyer Insulated Wire Co. (Insulated Wires & Cables)
PHILLIPSDALE — American Electrical Works (Insulated Wires)
PROVIDENCE—Bourn Rubber Co. (Insulated Wires, Footwear, etc), 58 Warren
Davol Rubber Co. (Druggists' Sundries), 69 Point
Mechanical Fabric Co. (Rubber Thread & Card Clothing), 40 Sprague
WEST BARRINGTON—International Rubber Co. (See New York City)
WOONSOCKET—American Wringer Co. (See New York City)
Woonsocket Rubber Co. (Footwear), (Controlled by U. S. Rubber Co.) (See New York City)

## VIRGINIA.

RICHMOND—**DOMINION ASBESTOS & RUBBER CORP.** 8 Governor
*See adv index at end of book*

## WASHINGTON.

SPOKANE—Interstate Rubber Co. (Molded Goods, Valves, Gaskets, etc)

## WISCONSIN.

CUDAHY—Federal Rubber Co., The (Tires Mechanical Goods, etc)
LA CROSSE—La Crosse Rubber Mills Co. (Mackintoshes, Rubber Clothing, Footwear & Molded Goods)
MILWAUKEE—Fisher Specialty Co. (Jobbers), 326 Ogden av
Petley Rubber Co. (Mechanical Goods), 247 Oregon
RACINE—Chicago Rubber Clothing Co. (Mackintoshes, Rubber Clothing)
Racine Rubber Co.

## 12784—Rubber Goods (Druggists' & Surgical)

Ajax Rubber Co., 220 W 57th, New York
American Hard Rubber Co., 9 Mercer, New York
Bailey C. J. & Co., 22 Boylston, Boston, Mass.
Baumann Rubber Co., New Haven, Conn.
Canton Rubber Co. (Seamless Rubber Goods), Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Hodgman Rubber Co., 8 W 40th, New York
Lincoln Rubber Co., Akron, O.
Luzerne Rubber Co., Trenton, N. J.
McTernen Rubber Mfg. Co., Reading, Mass.
Miller Rubber Co., Akron, O.
Myers Mfg. Co. ("Costa"), Fremont, O.
National India Rubber Co. (Drugists' Sundries), Bristol, R. I.
Parker Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Rubber Stopple Co., West av, Long Island City, N. Y.
Seamless Rubber Co., New Haven, Conn.
Star Rubber Co. (Seamless), Akron, O.
Tyer Rubber Co., Andover, Mass.
Vant Woud Rubber Co., 168 39th, Brooklyn, N. Y.
Whitall, Tatum Co., 410 Race, Phila., Pa.

## Rubber Goods (Hard)

See Rubber, Hard

## 12785—Rubber Goods (Mechanical)

See Index of Contents for all Other Rubber Specialties

Acme Rubber Mfg. Co., Trenton, N. J.
Anderson Rubber Works, Anderson Ind.
Atlantic Rubber Co., Boston, Mass.
Bell Andrew (Est. of), 6 Commercial, Newark, N. J.
Boonton Rubber Co. Boonton N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Brown Wm. H. H. Co., Buffalo, N. Y.
Buckley J. W. Rubber Co., 69 Warren, New York
Buffalo Weaving & Belting Co., Buffalo, N. Y.
Canfield H. O. Co., Bridgeport, Conn.
Central Ruber Co., 154 N 7th, Phila., Pa.
Cincinnati Rubber Mfg. Co. ("Old Crow" Fuller Balls), Cincinnati, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Davidson Rubber Co. (Hard & Soft, Drug, Dental, Surgical & Hospital), Boston, Mass.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Eclat Rubber Co. ("Ekla"), Cuyahoga Falls, O.
Ehman Tire & Rubber Co., 176 N Michigan av, Chicago, Ill.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
Goodall Rubber Co., 11th & Race, Phila., Pa.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Gutta Percha Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Hudson Mechanical Rubber Co., 50 Church, New York
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Keystone Rubber Mfg. Co., Erie, Pa.
Laurel Co., Garfield, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mattson Rubber Co., Lodi, N. J.
Mechanical Rubber Co., 73 Reade, New York
Miller Rubber Co., Akron, O.
Mulconroy Co., 54th & Jefferson, Phila., Pa.
Norwalk Mfg. Co., E. Norwalk, Conn.
National India Rubber Co., Bristol, R. I.
New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
NEW YORK RUBBER CO., 323 W Randolph, Chicago, Ill., Reade & Church, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Petley Ruber Mfg. Co., 247 Oregon, Milwauke, Wis.
Portland Rubber Mills, 368 E 9th, S Portland, Ore.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Rubber Products Co., Barberton, O.
Rubber Stopple Co., West av, Long Island City, N. Y.
Schacht Rubber Mfg. Co., Huntington, Ind.
Scott, Sugden & Lamon (Water, Air, Steam, Hose, Packing), Monadnock bldg, San Francisco, Cal.
Southern Rubber & Belting Co., Houston, Tex.
Standard Woven Fabric Co. (Mats, Matting, Springs, Heels, etc.), Walpole, Mass.
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Western Rubber Co., Goshen, Ind.
Whitehead Bros. Rubber Co., Trenton, N. J.
Wolverine Brass Works, Grand Rapids, Mich.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 12786—Rubber Goods (Moulded)

Acme Rubber Mfg. Co., Trenton, N. J.
Ajax Rubber Co., 220 W 57th, New York
Anderson Rubber Works, Anderson, Ind.
Atlantic Rubber Co., Linden, Boston, Mass.
Batavia Rubber Co., Batavia, N. Y.
Bell Andrew (Est. of), 6 Commercial, Newark, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Canfield H. O. Co., Bridgeport, Conn.
Canfield Rubber Co., Bridgeport, Conn.
Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Continental Rubber Works, Erie, Pa.
Curtis Tire & Rubber Co. (Hard & Soft), Muskegon, Mich.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence R. I.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Faultless Rubber Co., Ashland, O.
Federal Rubber Co., The (Soft), Cudahy, Wis.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Hodgman Rubber Co., 8 W 40th, New York
Home Rubber Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Laurel Co., Garfield, N. J.
McTernen Rubber Mfg. Co., Reading, Mass.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mattson Rubber Co., Lodi, N. J.
Mercer Rubber Co., Hamilton Sq., N. J.
Miller Rubber Co., Akron, O.
National India Rubber Co., Bristol, R. I.
Parker-Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Pennsylvania Rubber Co., Jeannette, Pa.
Plymouth Rubber Co., Canton, Mass
Quabaug Rubber Co., North Brookfield, Mass.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Rubber Stopple Co., West av, Long Island City, N. Y.
Schacht Rubber Mfg. Co., Huntington, Ind.
Seamless Rubber Co., New Haven, Conn.
Standard Woven Fabric Co., Walpole, Mass.
Tyer Rubber Co., Andover, Mass.
U. S. Rubber Co., 1790 Broadway, New York
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*
Western Rubber Co., Goshen, Ind.
Whitehead Bros. Rubber Co., Trenton, N. J.
Wolverine Brass Works, Grand Rapids, Mich.

## 12787— Rubber (Hard)

American Hard Rubber Co., 9 Mercer, New York
Boonton Rubber Mfg. Co., Boonton, N. J.
Brock A. S. Rubber Co., 57 Broad, Boston, Mass.
Davidson Rubber Co. (Drug, Dental & Surgical, etc), Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Day H. P. & E., Seymour, Conn.
Diamond Rubber Co., Akron, Ohio
Elkhart Rubber Works, Elkhart, Ind.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. (Pacific Coast Agents for American Hard Rubber Co.), 539 Mission, San Francisco, Cal.
*See adv index at end of book*
Home Rubber Co., Trenton, N. J.
India Rubber Co., New Brunswick, N. J.
Luzerne Rubber Co., Trenton, N. J.
Siemon Hard Rubber Corp. (Electrical), Bridgeport, Conn.
Stokes Jos. Rubber Co., Trenton, N. J.
Tyer Rubber Co., Andover, Mass.
Vulcanized Rubber Co., 251 4th av, New York
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*

## 12788—Rubber Horse Shoe Pads

Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works (Leather Back & Canvas Back), Erie, Pa.
Dryden Rubber Co., 1014 S Kildare av, Chicago, Ill.
Essex Rubber Co., Trenton, N. J.
Federal Rubber Co., The, Cudahy, Wis.
Firestone Tire & Rubber Co. ("Lily," "Jewel," "Windsor," "Russell," "Eagle," "Belmont," "Firestone," "Winter"), Akron, O.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
Judsen Carl A. ("Judsen," Canvas & Leather Bark), 214 W Erie, Chicago, Ill.
Killion Rubber Co., 26 Clayton, Boston, Mass.
Laurel Co., Garfield, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Plymouth Rubber Co., Canton, Mass.
Revere Rubber Co. ("Calk," "Samson," "Ajax," "New Globe"), Chelsea, Mass.
Schacht Rubber Mfg. Co., Huntington, Ind.
Sterling Tire Corp. ("Sterling"), Rutherford, N. J.
Western Rubber Co., Goshen, Ind.

## 12789—Rubber Ice Bags & Caps

Baumann Rubber Co., New Haven, Conn.
Canton Rubber Co., Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron ,O.
Miller Rubber Co., Akron, O.
National India Rubber Co., Bristol, R. I.
Parker-Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

## 12789a—*Rubber Laboratory Sets

VAUGHN MACHINERY CO., Cuyahoga Falls, Ohio *See adv index at end of book*

## 12790— Rubber (Mineral)

American Wax Co. ("Amax"), 10 High, Boston, Mass.
Barber Asphalt Paving Co. ("Genasco"), Land Title bldg, Phila., Pa.
Canfield Co. ("Elateron"), 3210 E 55th, Cleveland, O.
Frazer & Co., 30 Church, New York

RUBBER (MINERAL)—continued

**Standard Asphalt & Rubber Co., ("Sarco"), 208 S La Salle, Chicago, Ill.**
**Vanderbilt R. T. Co., 50 E 42nd, New York**

## 12791—Rubber Packers & Rings

**Elkhart Rubber Works, Elkhart, Ind.**
Empire Tire & Rubber Corp., Trenton, N. J.
**Goodrich B. F. Co. (For Oil & Gas Wells), Akron, O.**
**Gutta Percha & Rubber Mfg. Co., 126 Duane, New York**
Home Rubber Co., Trenton, N. J.
Pennsylvania Rubber Co., Jeannette, Pa.

## Rubber Packing

See Packing Manufacturers

## 12792— Rubber (Reclaimed)

American Rubber Reclaiming Co. ("Mercer" Brand), 406 E Rittenhouse, Phila., Pa.
**Appleton F. H. Son, 185 Summer, Boston, Mass.**
**Askam Rubber Co., Milford, Conn.**
Bloomingdale Rubber Co., 501 5th av, New York. Works: Butler, N. J.
**Boonton Rubber Co. (For Hard Rubber Compounds), Boonton, N. J.**
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Clapp E. H. Rubber Co., 49 Federal, Boston, Mass.
**Corona Rubber Reclaiming Co., 400 E Rittenhouse, Phila., Pa.**
Danversport Rubber Co., Danversport, Mass.
Electric Rubber Reclaiming Co., Barbertown, Ohio
Housatonic Rubber Works, Bridgeport, Conn.
Manufactured Rubber Co. ("Lafayette," "Wm. Penn," "Star"), Franklin Bank bldg, Phila., Pa. Works: Metuchen, N. J.
Monatiquot Rubber Works Co. ("Monatiquot," "Squantum"), S Braintree, Mass.
Nearpara Rubber Co. ("Hudson," "Potomac," "Potomac A," "Merrimac," "Delaware," "St. Lawrence"), Trenton, N. J.
New Jersey Rubber Co., Lambertville, N. J.
Northwestern Rubber Co., Trenton, N. J.
Pequanoc Rubber Co., Butler, N. J.
Philadelphia Rubber Works, Land Title bldg, Phila., Pa.
**Phoenix Rubber Co., Akron, O.**
Portage Rubber Co., Akron, O.
Raymond Rubber Co., Titusville, N. J.
Rubber Regenerating Co., Mishawaka, Ind.
Somerset Rubber Reclaiming Works, New Brunswick, N. J.
Stockton Rubber Co., Stockton, N. J.
U. S. Rubber Co. (Reclaiming Plant), Naugatuck, Conn.
**U. S. Rubber Reclaiming Co. ("Buffalo," "Genesee," "Hudson," "Iroquois," "Mohawk," "Superior," "Tioga," "White Buffalo," "Arrowhead," Matchless," "Seneca," "Insula," "Victoria," "Niagara"), 30 E 42d, New York**

## 12793—Rubber Rods & Sheets

**Anderson Rubber Works (Sheets Only), Anderson, Ind.**
Continental Rubber Works, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
**Goodrich B. F. Co., Akron, O.**
**Gutta Percha & Rubber Mfg. Co., 126 Duane, New York**
India Rubber Co., New Brunswick, N. J.
**Stokes Joseph Rubber Co., Trenton, N. J.**
**Vulcanized Rubber Co. (Hand), 251 4th av, New York**
**Whitehead Bros. Rubber Co. (Pure Sheet Only), Trenton, N. J.**

## 12794— Rubber Saw Bands

**Boston Belting Corp., 84 Linden Park, Boston, Mass.**
Cincinnati Rubber Mfg. Co., Cincinnati, O.
**Combination Rubber Mfg. Co., Bloomfield, N. J.**
Continental Rubber Works, Erie, Pa.
Empire Tire & Rubber Corp., Trenton, N. J.
**Gutta Percha & Rubber Mfg. Co., 126 Duane, New York**
Home Rubber Co., Trenton, N. J.
Huther Bros Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Pennsylvania Rubber Co., Jeannette, Pa.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Schacht Rubber Mfg. Co., Huntington, Ind.

## Rubber Scrap

See Scrap Rubber

## 12795—Rubber Stamp Makers' Supplies

**Dorman J. F. W. Co., 526 N Calvert, Baltimore, Md.**
Superior Type Co., 3940 Ravenswood av, Chicago, Ill.
**Smith R. M. Mfg. Co., Springfield, Mass.**

## 12796— Rubber Substitutes

**Ashley, T. C. & Co. (White), Atlantic**
Cantor Joseph, 54 Stone, New York
Carter-Bell Mfg. Co. (Black & White), 150 Nassau, New York
Corn Products Refining Co. ("Paragol" Black), 17 Battery pl, New York
**Essenkay Products Co., Superior & Franklin, Chicago, O.**
**Mitchell-Rand Mfg. Co., 18 Vesey, New York**
**National Co., 80 E Jackson, Chicago, Ill.**
Pierce Co. ("Vorite"), East Rochester, N. Y.
**SCHEEL WM. H.** (Imported), 159 Maiden la, New York
*See adv index at end of book*
Smith Alfred, Ltd., 98 Park pl., New York
Stamford Rubber Supply Co. ("Stamford"), Stamford, Conn.
Standard Asphalt & Rubber Co., 208 S La Salle, Chicago, Ill.
**Standard Woven Fabric Co., Walpole, Mass.**
Sterling Mfg. Co., Gloucester, Mass.
Synthetic Products Co. (Liquid), Engineers bldg., Cleveland, Ohio
T. M. & B. Chemical Co., 500 1st, South Boston, Mass.
**Tyson Bros. Co., Woodbridge, N. J.**
Uhlich Paul & Co. (Imp.), 11 Cliff, New York
Viscol Co., Cambridge, Mass.

## 12797—Rubber Suits (Pneumatic Pressure)

Goodrich B. F. Co. ("Dr. George W. Grile Patent"), Akron, O.

## 12797a—Rubber Tire Trucks (Storage Battery)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## Rubber Window Cleaners

See Cleaners, Window

## 12798— Rubbers (Fruit Jar)

Acme Rubber Mfg. Co., Trenton, N. J.
Ball Bros. Glass Mfg. Company ("Ball Perfect Seal"), Muncie, Ind.
Boston Woven Hose & Rubber Co. ("Good Luck," also Special Rings for All Styles of Jars), Cambridge, Mass.
Empire Tire & Rubber Corp. ("Tulip"), Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Hamilton Rubber Mfg. Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mercer Rubber Co., Hamilton Sq., N. J.
Rubber Products Co., Barberton, O.
U. S. Rubber Co., 1790 Broadway, New York

## 12799—Rubbers (Sling Shot)

Davol Rubber Co., 69 Point, Providence, R. I.

## 12800—Rubbing Beds (Stone, Slate, Etc.)

Birmingham Iron Foundry (For Marble, Stone, Slate, Brick & Terra Cotta), Derby, Conn.
Flynn & Emrich Co. (Stone), 305 N Holliday, Baltimore Md.
Fuller-Lehigh Co., Fullerton, Pa.
Glover Machine Works (For Marble), Marietta, Ga.
Lincoln Iron Works, Rutland, Vt.
New Albany Machine Mfg. Co., New Albany, Ind.
Oliver Wm. J. Mfg. Co. (For Marble), Knoxville, Tenn.
Patch F. R. Mfg. Co., Rutland, Vt.

## 12800a—*Rudders (Brass & Galvanized Steel)

**KOVEN L. O. & BRO.,** 154 Ogden, Jersey City, N. J.
*See adv index at end of book*
McNab Co. ("Kitchen" Reversing), Bridgeport, Conn. *See adv index at end of book*

## 12801—Rudders (Galvanized Iron)

Wilcox, Crittenden & Co., Inc. ("Brass"), Middletown, Conn.
*See adv index at end of book*

## 12802— Rugs (Automobile)

Curtis & Von Bernuth Mfg. Co., 88 W B'way, New York
White Elmer S. & Co., Heed bldg, Phila., Pa.
Wild Joseph & Co., 366 5th av. New York

## 12803— Rugs (Congoleum)

Congoleum Co., Dept. of the Barrett Co., 14 E Jackson, Chicago, Ill.
United Roofing & Mfg. Co., 1305 Morris bldg, Phila., Pa.

## 12804— Rugs (Steamer)

Pontoosuc Woolen Mfg. Co., Pittsfield, Mass.
Riley Wm. B. & Co., 238 Chestnut, Phila., Pa.

## 12805—Rule (Perforating, Cutting & Creasing)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Helmold J. F. & Bro. (Steel, "Eureka," "Hercules"), 1462 Hamburg, Chicago, Ill.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Up-to-Date Advertising Co. ("Kanisteo"), Canisteo, N. Y.

## 12805a—Rulers (Advertising, Wood)

See also Advertising Novelties

**BOGERT & HOPPER INC.,** 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Up-to-Date Advertising Co. ("Kanisteo"), Canisteo, N. Y.
*See adv index at end of book*

## 12806—Rulers (Hard Rubber)

American Hard Rubber Co., 9 Mercer, New York

## 12807—Rulers (School & Desk)

American Mfg. Concern, Falconer, N. Y.
Bliss Mfg. Co., Bliss, N. Y.
Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons (Wooden), 364 5th av, New York.** *See adv index at end of book*
Kimpton Ed. Co 60 John, New York
**Lucas-Tuttle Mfg. Co., Silver Springs, N. Y.**
Lufkin Rule Co., Saginaw, Mich.
**Up-to-Date Advertising Co. ("Kanisteo"), Canisteo, N. Y.**
**Westcott-Jewell Co., "Arrow Brand" & "Feather Weight Flexible," Plain or Folding), Seneca Falls, N. Y.**

## 12808— Rules

Under this Heading See Sub-Classifications
Athol Machine Co. ("Standard" Steel), Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co. ("Pearce" Box Wood, Ivory, Combination, Slope Level, Try Square & Miscellaneous, etc), Pine Meadow, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*

Forsyth Metal Goods Co. (Metal), E. Aurora, N. Y.
Goodell-Pratt Co. (Steel), Greenfield, Mass.
Irving Mfg. & Tool Co. ("Axiom"), 157 Chambers, New York
Johnson E. P. Rule Mfg. Co., 565 Wash. blvd, Chicago, Ill.
Kerby & Bro., 51 Fulton, New York
Keuffel & Esser Co., Hoboken, N. J.
**LUFKIN RULE CO., Saginaw, Mich.**
**MASTER RULE MFG. CO. INC.** ("Interlox" Master Slide Rule), 841 E 136th, New York
Reliable Stamping Co. (Rustless), Buffalo, N. Y.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Somers James M. Co. (Brass), Bridgeport, Conn.
Stanley Rule & Level Co. ("Victor," Boxwood, "Zig Zag," "Stanley" Ivory), New Britain, Conn.
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*
Upson Nut Co. (Boxwood), Cleveland, O.

## 12809— Rules (Aluminum)

Aluminum Goods Mfg. Co. (Pocket, etc), Manitowoc, Wis.

## 12810— Rules (Blacksmiths')

**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 12811— Rules (Caliper)

See Also Calipers

Brown & Sharpe Mfg. Co., Providence, R. I.
Chapin-Stephens Co. (Boxwood), Pine Meadow, Conn.
Humphrey Machine Co., Keene, N. H.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co. (Boxwood, Ivory, etc.), New Britain, Conn.
**STARRETT L. S. CO. (THE)** (Slide, etc), Athol, Mass.
*See adv index at end of book*
Upson Nut Co. (Ivory & Boxwood), Cleveland, O.

## 12812— Rules (Desk)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*
Up-to-Date Advertising Co. ("Kanisteo," "Boxwoodene"), Canisteo, N. Y.

## 12813— Rules (Extension)

Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn.
Upson Nut Co. (Zig Zag, etc.), Cleveland O.

## 12814— Rules (Folding)

American Rule Mfg. Co., Inc., 127 Humboldt, Brooklyn, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co. (Flexible Wood; Spring Joint), Saginaw, Mich.
Master Rule Mfg. Co. Inc. ("Interlox"), 841 E 136th, New York
Reliable Stamping Co. (Rustless), Buffalo, N. Y.
Strauss Adolph & Co. ("Lion"), 1140 Broadway, New York

## 12815—Rules (Folding Boxwood)

Lufkin Rule Co., Saginaw, Mich.

## 12816—Rules (Glass Cutters')

Kerby & Bro., 51 Fulton, New York
Lufkin Rule Co., Saginaw, Mich.

## 12817— Rules (Key Seat)

Brown & Sharpe Mfg. Co., Providence, R. I.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE)**, Athol, Mass. *See adv index at end of book*

## 12818—Rules (Lumberman's)

American Rule Mfg. Co. (Second-Growth White Hickory), 12 Humboldt, Brooklyn, N. Y.
Chapin-Stephens Co. (Log Sticks, etc), Pine Meadow, Conn.
**Cleveland Rule Co.**, 2190 W 59th, Cleveland, O.
Lufkin Rule Co., Saginaw, Mich.
Ransome Concrete Machinery Co. (Hickory), Dunellen, N. J.
Smith & Phillips Mfg. Co. ("Ideal" Hickory Stick Steel Head), 1008 W Madison, Chicago, Ill.
Upson Nut Co., Cleveland, O.

## 12819—Rules (Machine, Divided Steel)

Lufkin Rule Co., Saginaw, Mich.

## 12820— Rules (Machinists')

Athol Machine Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Disston Henry & Sons, Tacony, Phila., Pa.
Lufkin Rule Co., Saginaw, Mich.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE)**, Athol, Mass. *See adv index at end of book*

## 12821— Rules (Plumb)

Worden L. B., Penn Yan, N. Y.

## 12822— Rules (Pocket)

Lufkin Rule Co., Saginaw, Mich.
**STARRETT L. S. CO. (THE)**, (Steel Folding), Athol, Mass.
*See adv index at end of book*

## 12823—Rules (Printers' Brass)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Bullock Mfg. Associates (& Steel), Springfield, Mass.

## 12823a—Rules (Printers' Make-Up)

Bullock Mfg. Associates, Springfield, Mass.
**Eagle Engineering Co.** ("Star"), Springfield, O.
Zimmer Mfg. Co., 59 Beekman, New York

## 12824—Rules (Scale & Shrinkage)

Brown & Sharpe Mfg. Co., Providence, R. I.
**Kueffel & Esser** Co., Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain, Conn.
**STARRETT L. S. CO (THE)**, (Shrinkage Only), Athol, Mass.
*See adv index at end of book*

## 12825— Rules (Slide)

Gilson Slide Rule Co., Niles, Mich.
Keuffel & Esser Co., Hoboken, N. J.
Richardson Geo. W. ("Richardson" Direct Reading, "Winslow" Strength Computing), 4212 W 24th pl, Chicago, Ill.
**STARRETT L. S. CO. (THE)**, Athol, Mass. *See adv index at end of book*
Tomlinson Henry W. ("Winslow" Strength Computing), 64 E Van Buren, Chicago, Ill.

## 12826— Rules (Steel)

Brown & Sharpe Mfg. Co., Providence, R. I.
Disston Henry & Sons, Tacony, Phila., Pa.
Forsyth Metal Goods Co., E. Aurora, N. Y.
Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co., Saginaw, Mich.
Nicholls Mfg. Co. (Framing), Ottumwa, Ia.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE)**, Athol, Mass. *See adv index at end of book*
Union Tool Co., Orange, Mass.
Wellman Products Co. (Steel Shrink Rules), 1444 E 49th, Cleveland, O.

## 12827—Rules (Steel, Metric)

Brown & Sharpe Mfg. Co., Providence, R. I.
**Goodell-Pratt Co., Greenfield, Mass.**
Lufkin Rule Co., Saginaw, Mich.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE)**, Athol, Mass. *See adv index at end of book*

## 12828— Rules (Tinners')

Lufkin Rule Co., Saginaw, Mich.
**Merchant & Evans Co., 2035 Washington** av & 21st, Phila., Pa.
***See adv index at end of book***
Peck, Stow & Wilcox Co., Southington, Conn.

## 12829— Rungs (Ladder)

Estes E. B. & Sons (Also Chair), 364 5th av, New York
*See adv index at end of book*
Merrill Bros. (Steel), 3 Arnold, Maspeth (Boro of Queens), N. Y.
*See adv index at end of book*
**Minton T. W. & Son, Barbourville, Ky.**
**Oliver Iron & Steel Co. (Steel), S 10th & Muriel, Pittsburgh, Pa.**
**New Britain Machine Co.** ("New Britain"), 190 Chestnut, New Britain, Conn.
**Rugg Mfg. Co. (White Ash), Greenfield,** Mass.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 12830— Runners (Joint)

Johns-Manville H. W. Co. (Lead), Madison av & 41st, New York
Vanderman Mfg. Co. ("Asbestos Lead"), Willimantic, Conn.
Walworth Mfg. Co., Boston, Mass.
Wilkins Geo. H. Co. ("Wilkins"), 180 N Market, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.
Yonts C. H. & Co., Meadville, Pa.

## 12831— Runners (Sled)

Barber Mfg. Co., Ashtabula, O.

## 12832—Running Boards (Automobile)

**BOSSERT CORP. (THE)**, cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Clayton & Lambert **Mfg.** Co., **1370-80** Beaubien, E Detroit, Mich.
**ERDLE PERFORATING CO.** (Pressed Steel for Autos, Trucks, etc.), **181** York, Rochester, N. Y.
*See adv index at end of book*
F. A. Sales Co., Inc. (Leather), **258 5th** av, New York
**Flat Metal Mfg. Co., 223 W Huron, Chicago,** Ill.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, Ohio
**Michigan Stamping Co. (Mack & Outer** Belt Line), Detroit, Mich.
Pettis W. W. Co., 416-417 First Natl. Bank bldg, Cincinnati, O.
*See adv index at end of book*
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
**Rochester Pressed Steel Co., Rochester, N. Y.**
Western Steel Car & Foundry Co., 122 S Michigan av, Chicago, Ill.

## 12833— Runs (Ice)

**Gifford-Wood Co. (Wood or Iron) Hudson,** N. Y.
**Gruman Ice Tool Works, Branchville,** Conn.

## Runways (Crane)

See Cranes Runway

## 12833a— Runways (Poultry)

**Buffalo Wire Works Co.**, 320 Terrace, Buffalo, N. Y. *See adv index at end of book*

## 12834— Rust Preventives

Am. Chemical Paint Co. ("Deoxidine" Metal Testing & Rust Proofing), 1118 S 11th, Phila., Pa.
American Oleite Sales Co. ("Oleite"), 1404 N Park pl, St. Louis, Mo.
American Rust Proof Co. ("Vatudrip"), 8 W 40th, New York
Arnold N. B. ("Slikuys Kant-Rust"), 1 Sigourney, Brooklyn, N. Y.
Corol Co., 127 N Dearborn, Chicago, Ill.
Hess & Son ("Epicassit"), Watkins bldg, Phila., Pa.
Houghton E. F. & Co. ("Cosmic" & White Slushing Oil), 240 W Somerset, Phila., Pa.

RUST PREVENTIVES—continued

Melville F. L. ("Melville's Anti-Rust"), Bayonne, N. J.
Oakley Chemical Co. ("Oakite"), 22 Thames, New York
Pecora Paint Co., 4th & Sedgley av, Phila., Pa.
Remington Arms Company Inc. (Rust Remover for Guns, Revolvers & Pistols), 233 B'way, New York
Rust Resisting Black Finish Co., Bridgeport, Conn.
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York

## 12835— Rust-Proofing

Am. Chemical Paint Co. ("Deoxidine"), 1113 S 11th, Phila., Pa.
Bradley Iron Works, 37 Ferris, Brooklyn, N. Y.
Rust Resisting Black Finish Co., Bridgeport, Conn.

## 12835a— *Rust Remover

**BABBITT STEAM SPECIALTY CO.** ("Rust-Go" for Metals), New Bedford, Mass. *See adv index at end of book*

## 12836— Rustic Woodwork

North Shore Ferneries Co. (Furniture), Beverly, Mass.
Peirce W. E. & Co., Milford, N. H.

## 12836a— Ruthenium

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co, Platinum Works, Malvern, Pa.
Foote Mineral Co., Inc., Phila., Pa.

## 12837— Rutile

Drakenfeld B. F. & Co. (Granular & Powdered), 50 Murray, New York
Foote Mineral Co., 107 N 19th, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 12838— Saccharine

Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Merck & Co., 45 Park pl, New York
Monsanto Chemical Works, St. Louis, Mo.

## 12839-40-1—Saccharometers

Phila. Thermometer Co., 9th & Arch., Phila., Pa.
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Wagner Carl H., 1944 N Albany av, Chicago, Ill.
Warren Products Co., 265 Canal, New York. *See adv index at end of book*

## Sacks (Cotton)

See Bags & Bagging

## 12842— Sacks (Ore)

Colorado Tent & Awning Co. ("Boss"), Denver, Colo.
Denver Tent & Awning Co., Denver, Colo.
Hoegee Wm. H. Co., Los Angeles, Cal.

## Sacks (Paper, Cement & Flour)

See Bags, Paper, With the Word Cement, etc., Following Their Name

## 12843— Sad Irons

Alcohol Utilities Co. ("Pyro" Alcohol Self-Heating), 27 William, New York
Alperin H. J. Co. ("Alpine" Electric), 720 Euclid av, Cleveland, O.
American Foundry & Mfg. Co. ("Potts" & Common), 11th & Hebert, St. Louis, Mo.
American Gas Machine Co. (Self Heating Gasoline), Albert Lea, Minn.
**AMERICAN GAS MACHINE CO. INC.** Gasoline), 78 Reade, New York
American Pressing Iron Co. ("Frugal" Gas), 48 E 8th, New York
Art Stove Co. (Gas), Russel & Milwaukee, Detroit, Mich.
**BEACH-RUSS CO.** (Gas), 216-224 B'way, New York
*See adv index at end of book*
Bless & Drake ("Mrs. Potts" Cold-Handle, Self-Heating Charcoal; also "Perfect" Gas), 175 N. J. RR av, Newark, N. J.
Brandenburg Cobbling Supply Co. (Common), 1335 N J RR av, Newark, N. J.
Central Flatiron Mfg. Co., Inc. "Fairy Queen," "Duo Point," "Stewart" Gas Heated), Johnson City, N. Y.
Chattanooga Implement & Mfg. Co. (Common Pressing, Tailors' & Charcoal), Chattanooga, Tenn.
Chicago Hardware Foundry Co. ("Harper" Asbestos Lined), 546 W Washington, N Chicago, Ill.
Colebrookdale Iron Co. ("Mrs. Potts," "Sensible," Chinese Shir Waist & Laundry, Shield "C" "Sensible" & Shield "C" Tailors), Pottstown, Pa.
Crane Wm. M. Co. ("Vulcan" Gas), 16 W 32d, New York
Cumberland Foundry & Mfg. Co., Nashville, Tenn.
Deshler Fdry. & Mach. Wks., Deshler, O.
Dover Mfg. Co. (Asbestos), Dover, O.
Edison Electric Appliance Co., Inc. (Hotpoint Division), ("Pacific"), 5600 W Taylor, Chicago, Ill.
Enterprise Hardware Mfg. Co., Frederick, Md.
Enterprise Mfg. Co. of Pa. ("Enterprise," "Star" Polisher), 3d & Dauphin, Phila., Pa.
Genessee Valley Mfg. Co., Mount Morris, N. Y.
Gray Iron Foundry Co. ("Cold Handle" Family & Laundry; also "Dainty" Shirtwaist Irons), Reading, Pa.
Gross Star Gas Iron Co. (Self-Heating, Gasoline), 12 N Market, Chicago, Ill.
Herz Mfg. Co. (Self-Heating Gasoline 241 W 7th, St. Paul, Minn.
Howell W. H. Co. (Cold Handle & Common; also "Star" Quality), Geneva, Ill.
Ideal Sad Iron Mfg. Co. ("Ideal" Gasoline Self-Heating), 211 High, Cleveland, O.
Illinois Iron & Bolt Co. (Revolving, also Tailors' Irons), Carpentersville, Ill.
Imperial Brass Mfg. Co. ("Imperial" Self-Heating), 524 S Racine av, Chicago, Ill. *See adv index at end of book*
King Stove & Range Co. (Common), Sheffield, Ala.
Landers, Frary & Clark, New Britain, Conn.
Lindstrom-Smith Co. ("White Cross" Electric), 3212 W Lake, Chicago, Ill.
Lodge Mfg. Co., South Pittsburgh, Tenn.
Loetscher-Ryan Mfg. Co. ("Star," "Crescent," "B. O. E.," "Mrs. Potts" & Tailors'), Dubuque, Ia.
Modern Safety Gas Iron Co., 205 Cuthbert, Phila., Pa.
Monitor Sad Iron Co. ("Monitor" Gasoline Self-Heating), Big Prairie, O.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Rock Island Mfg. Co. ("Mrs. Potts" Pattern, also Gas), Rock Island, Ill.
Rosenbaum Mfg. Co. ("Uneedit," "Rose" Gas), 33 Bleecker, New York
Royal Iron & Mfg. Co. ("Royal" Gas & Gasoline), Big Prairie, O.
Russell Electric Co. ("Hold Heet"), 140 W Austin, Chicago, Ill.
Solar Light Co., 69 Wooster, New York
Southern Skein & Foundry Co. ("So. Crescent," also Tailors' Irons), Chattanooga, Tenn.
Stockwell & Co. (Gas), 229 N Holliday Baltimore, Md.
Strause Gas Iron Co. ("Iwanta" Gas) 1425 Vine, Phila., Pa.
Streeter N. R. & Co. ("Sensible") ("Mrs Potts"), Rochester, N. Y.
Sunshine Jasper Co. (Gas), 59 E 8th, New York
Thurnauer G. M. Co. ("Nickel Plated Alcohol"), 6 E 20th, New York
Tures Mfg. Co. ("Turz-Lite," "Peerless," Gasoline), 394 6th, Milwaukee, Wis.
Union Mfg. Co., Boyertown, Pa.
Williams A. C. Co., Ravenna, O.
Wright Gas Iron & Novelty Co. ("New Wright" Gas), 13th & Cumberland, Phila., Pa.
Wrightsville Hardware Co. (Cold Handles, "Mrs. Best's" & "Troy Ladies' Pride"), Wrightsville, Pa.

## 12844— Sad Irons (Electric)

American Electrical Heater Co. ("American Beauty," "Little Beauty, "Quality" & Pressing Irons), Burroughs & Woodward, Detroit, Mich.
Bless & Drake, 175 N. J. RR av, Newark, N. J.
**CHICAGO FLEXIBLE SHAFT CO.** ("Princess"), 5600 Roosevelt rd, Chicago, Ill.
Colebrookdale Iron Co. ("Colebrookdale"), Pottstown, Pa.
Cumberland Electric Mfg. Co., Memphis, Tenn.
Detroit Electric Heater Co. ("Happy"), Detroit, Mich.
Diamond Electric Co. ("Delco"), Binghamton, N. Y.
Dover Mfg. Co. ("A-Best-O"), Dover, O.
Economy Electric Co., 211 Fulton, Brooklyn, N. Y.
Edison Electric Appliance Co., Inc. (Hotpoint Div.), ("Pacific," "World's Best," "Utility," "Hotpoint"), 5600 W Taylor, Chicago, Ill
Electric Mfg. Co. ("Mrs. Potts"), 59 New Montgomery, San Francisco, Cal.
Electric Specialties Co., Benton, Harbor
Fox Electrical Corpn., 119 W 42d, New York
Grosa Star Gas Iron Co, 12 N Market, Chicago, Ill.
Landers, Frary & Clark ("Thermax"), New Britain, Conn.
Langguth-Olson Co., 120 Liberty, New York
Lindstrom Smith Co. ("White Cross"), 3212 W Lake, Chicago, Ill.
Loetscher-Ryan Mfg. Co. ("Ideal"), Dubuque, Ia.
**MANHATTAN ELECTRICAL SUPPLY CO.** ("Mesco"), 17 Park pl, New York
*See adv index at end of book*
National Stamping & Electric Wks. ("Superior"), 424 S Clinton, Chicago, Ill.
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
Pelouze Mfg. Co. ("Pelouze"), 232 E Ohio, Chicago, Ill.
Pfanstiehl Co., North Chicago, Ill.
Phelps Mfg. Co. ("So Easy" & "Venus"), 49 W Larned, Detroit, Mich.
Pittsburgh Elec. Spec. Co., Ross & 1st av, Pittsburgh, Pa.
Reimers Mfg. Co., 517 W 45th, New York
Rochester Stamping Co., Rochester, N. Y.
Rock Island Mfg. Co., Rock Island, Ill.
Rutenber Electric Co., Marion, Ind.
Satisfaction Guaranteed Corp. ("American Queen," "Two Point" & "Double Point"), 659 Fulton, Chicago, Ill.
Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.
Sterling Mach. & Stamping Co., Wellington, O.
Vulcan Electric Heating Co., 107 W 13th, New York
Waage Electric Co. ("Triple Heat"), 12 S Jefferson, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## Sad Irons (Gas)

See Firms in Sad Irons with the Word Gas Following Their Name

## 12845—Saddles (Bicycle & Motor Cycle)

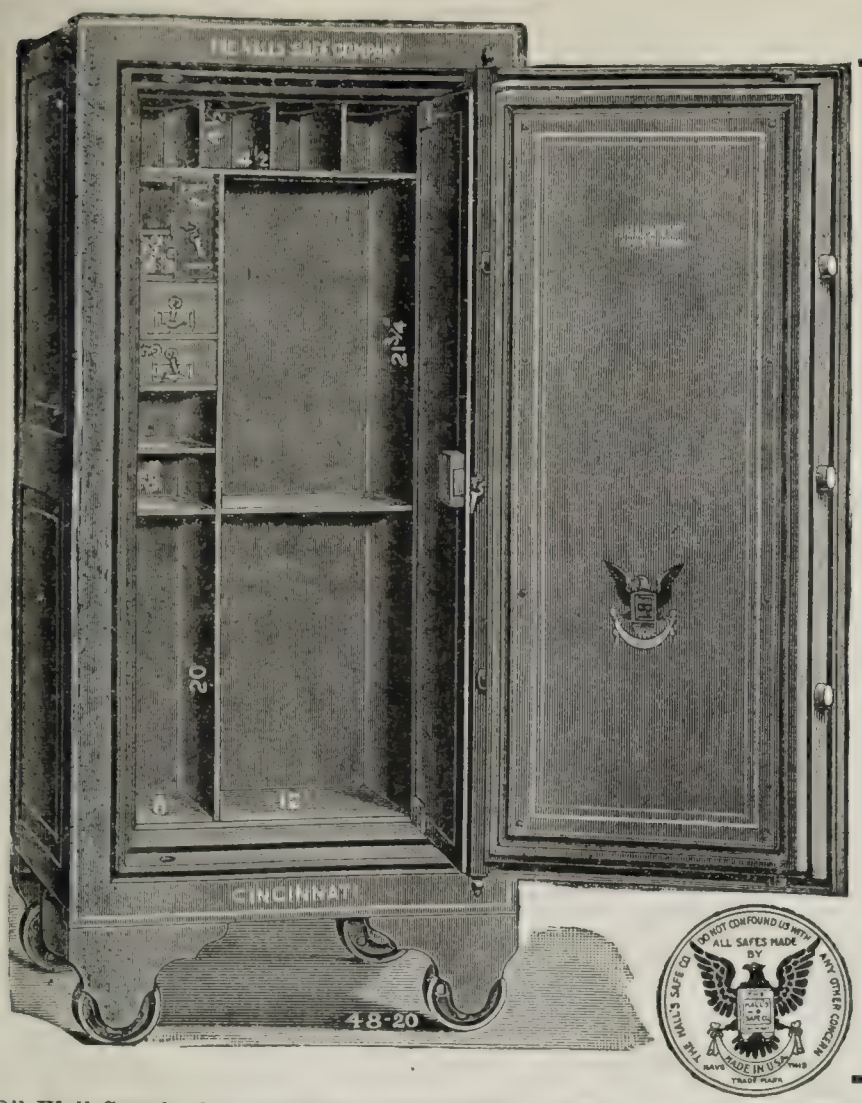
Mesinger H. & F. Mfg. Co., 144th & Austin pl, New York
Persons Mfg. Co. (Leather), 244 Franklin, Worcester, Mass.
Reading Saddle & Mfg. Co., Reading, Pa.
Superior Metal Products Co., Elyria, O.
Troxel Mfg. Co. (Also Motor Cycle), Elyria, Ohio

## 12846— Saddles (Gig)

Arters A. Sons Co., Lisbon, O.
Standard Coach Pad Co., Wooster, O.

## 12847— Saddles (Pipe)

American Foundry & Mfg. Co., St. Louis, Mo.
**AMERICAN SPIRAL PIPE WORKS**, Chicago, Ill. *See adv index at end of book*
Crane Co. (Est. 1855), 836 So Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dayton Pipe Coupling Co. (For Pipe Mains, etc), Dayton, O.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Kelly & Jones Co. (Cast & Malleable Iron), 135 Water, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
McCred Jas. & Co., 562 W Washington, Chicago, Ill.
Mueller H. Mfg. Co., Decatur, Ill.
Newbury Mfg. Co., Monroe, N. Y.

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Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
**Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.**
Skinner M. B. Co. ("Emergency"), 562 W Washington, Chicago, Ill.

### Saddles (Riding)

**See Harness Saddles & Strap Work Mfrs.**

### 12848— Saddles (Tank)

**Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.**

### 12849— Saddletrees

**Claggett Saddletree Co., Jeffersonville, Ind.**
Flor Edw., Demorest, Ga.
Hummel Geo. J. Saddletree Co., Madison, Ind.
Sullivan J. S. Saddletree Co., Jefferson City, Mo.

### 12850—Safe Ends (Boiler Tube)

National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.

### 12851— Safes (Cabinet)

Armor Clad Mfg. Co., Canton, O.
**ART METAL CONSTRUCTION CO.** ("Art Metal" Light Weight), Jamestown, N. Y. *See adv index at end of book*
Fire-Proof Furniture & Construction Co. (Steel), Miamisburg, O.
General Fireproofing Co. ("G. F. Allsteel"), Youngstown, O.
Meilink Steel Safe Co., Toledo, Ohio

### 12852— Safes (Express Car)

Diebold Safe & Lock Co., Canton, O.
*See adv index at end of book*
**HALL'S SAFE CO.,** P O Box 846, Cincinnati, O.
*See adv index at end of book*
Herring-Hall-Marvin Safe Co., Hamilton, Ohio
Safe-Cabinet Co., Marietta, Ohio

### 12853— Safes (Filing)

**ART METAL CONSTR. CO.** ("Art Metal"), Jamestown, N. Y.
*See adv index at end of book*
Baum J. Safe & Lock Co., 617 E Front, Cincinnati, Ohio
Berger & Co., Canton, O.
Diebold Safe & Lock Co., Canton, Ohio
*See adv index at end of book*
Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.
Meilink Steel Safe Co. ("Meilink"), Toledo, Ohio

### 12854—Safes (Fire & Burglar Proof)

American Safe Co., Anderson, Ind.
Barnes Safe & Lock Co., 941 Liberty av Pittsburgh, Pa.
Barnes Safe & Vault Co., 1219 E Main Richmond, Va.
Baum J. Safe & Lock Co., 617 E Front Cincinnati, O.
Cary Safe Co., Buffalo, N. Y.
**DIEBOLD SAFE & LOCK CO.,** Canton, O
*See adv index at end of book*
General Fireproofing Co., Youngstown, O.
Gross-Feibel Co., Hillsboro, O.
**HALL'S SAFE CO.** ("Hall's"), Cincinnati, O. *See adv index at end of book*
Harrigan Safe Co., Kansas City, Mo.
Harris S. H. Co., Chicago, Ill.
Hermann Safe Co., 126 Folsom, San Francisco, Cal.
Herring-Hall-Marvin Safe Co., Hamilton, O.
Meilink Steel Safe Co., Toledo, Ohio
Miller Safe Co., Fremont av & Briscoe, Baltimore, Md.
Morris-Ireland Safe Co., 64 Sudbury, Boston, Mass.
Mosler Safe Co., Hamilton, O.
National Safe & Lock Co., 2341 E 69th, Cleveland, O.
Norris Safe & Lock Co., Seattle, Wash.
Northwestern Safe Mfg. Co., Columbia Heights, Minneapolis, Minn.
Pittsburgh Safe Co., Connellsville, Pa.
Pixley Safe & Lock Co., Toledo, O.
Reliable Safe Lock Co., Inc., Covington, Ky.
Remington & Sherman Co., 359 B'way, New York
Safe- Cabinet Co., Marietta, Ohio
Schwab Safe Co., Lafayette, Ind.
Stiffel & Freeman Co., 723 Chestnut, Phila., Pa.
Syracuse Safe Co., Syracuse, N. Y.
Victor Safe & Lock Co., Div., The Safe Cabinet Co., Norwood, Cincinnati, O.
Waltz Safe & Lock Co., 233 California, San Francisco, Cal.
York Safe & Lock Co., York, Pa.

### 12855— Safes (House)

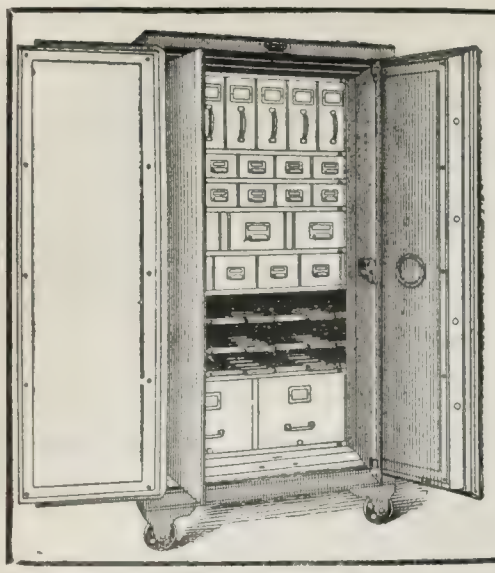
Baum J. Safe & Lock Co., 617 E Front, Cincinnati, Ohio
**HALL'S SAFE CO.,** P O Box 846, Cincinnati, Ohio
*See adv index at end of book*
Meilink Safe Co., Toledo, Ohio
Wehrle Co., Newark, O.

### 12856—Safes (Manganese Steel)

**DIEBOLD SAFE & LOCK CO.,** Canton, O.
*See adv index at end of book*
**HALL'S SAFE CO.,** P O Box 846, Cincinnati, Ohio
*See adv index at end of book*
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
York Safe & Lock Co., York, Pa.

### 2857— Safes (Match)

Arcade Mfg. Co. ("Champion"), Freeport, Ill.
Barnes-Ross Co. ("BIR"), Indianapolis, Ind.
Behrend & Rothschild, 353 B'way, New York
Bogert & Hopper Inc. (Wood) (Advertising), 57 Barclay, New York
*See adv index at end of book*
Buffalo Mfg. Co., Buffalo, N. Y.
Carrington & Co. (Pocket), 42 Walnut, Newark, N. J.
Cassady Fairbank Mfg. Co. ("Acorn"), 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 508 S Peoria, Chicago, Ill.



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Canton, Ohio

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Central Stamping Co. ("Puritan"), 172 Fulton, New York
Eclipse Gas Stove Co. ("Eclipse"), Rockford, Ill.
Ensign F. V. (Nickel & Gift), Elmira, N. Y.
Estes E. B. & Sons (Advertising), 364 5th av, New York
*See adv index at end of book*
Forsyth Metal Goods Co., E. Aurora, N. Y.
Grey Iron Casting Co. ("Demon," Safety, etc), Mt. Joy, Pa.
Hess & Son ("Holdfast"), Watkins bldg, Phila., Pa.
Kohler Die & Specialty Co. ("Deaton"), De Kalb, Ill.
Manhattan Brass Co. (Brass), 332 E 28th, New York
Marble Arms & Mfg. Co. ("Marble's" Sportsman Waterproof), Gladstone, Mich.
National Enameling & Stamping Co., 411 5th av, New York
National Sheet Metal Co. (Stamped Nicheltus & "Nicolene," Pocketproof & Stormproof, etc.), Peru, Ill.
Nicol & Co. ("Turtle"), 218 N Jefferson, Chicago, Ill.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Royal Mfg. Co. ("Royal Rustic"), 406 Commerce, Phila., Pa.
**SCHIMPER WILLIAM & CO.**, 322-338 Ferry, Hoboken, N. J., & 33 Union sq, W New York
*See adv index at end of book*
Searls Mfg. Co. ("Paletto"), 29 Mulberry, Newark, N. J.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Stover Mfg. & Engine Co. (Brass), Freeport, Ill.
Sweeney W. H. Mfg. Co., 30 Main, Brooklyn, N. Y.
Van Wert Novelty Co., Van Wert, Ohio
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

## 12858— Safes (Receiving)

For Street Railway Conductors' Trip Returns

**HALL'S SAFE CO.** (For Conductor's Trip Returns), P O Box 846, Cincinnati, O.
*See adv index at end of book*
York Safe & Lock Co., York, Pa.

## 12859—Safes (Wall, Built In)

**HALL'S SAFE CO.**, P O Box 846, Cincinnati, Ohio
*See adv index at end of book*

## 12860—Safes & Vaults (Wall)

**DIEBOLD SAFE & LOCK CO.**, Canton, O.
*See adv index at end of book*
Lowrie Safe & Lock Mfg. Co. ("Lowrie," for Residences, Clubs, Offices, etc.), 400 N Oakley blvd, Chicago, Ill.
York Safe & Lock Co., York, Pa.

## 12861—Safety Deposit Boxes

**DIEBOLD SAFE & LOCK CO.**, Canton, O.
*See adv index at end of book*

Fire-Proof Furniture & Construction Co., Miamisburg, O.
**HALL'S SAFE CO.**, P O Box 846, Cincinnati, Ohio
*See adv index at end of book*
Mosler Safe Co., Hamilton, O.
National Safe & Lock Co., 2341 E 69th, Cleveland, O.
Safe Cabinet Co., Marietta, Ohio
York Safe & Lock Co., York, Pa.

## 12862—Safety Devices (Punching Press, Etc.)

For Protecting Workmen

Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 12863—Safety Straps (Telephone & Telegraph Poles)

**DIAMOND EXPANSION BOLT CO.** ("Diamond"), 89 West, New York
*See adv index at end of book*

## Safety Treads

See Stair Treads, Various Kinds

## 12863a—*Safety Treads (Wrought Steel)

**AMERICAN MASON SAFETY TREAD CO.**, Lowell, Mass.

## 12863b—Saggers (Fire Clay)

Livermore Fire Brick Works, Niles, Cal.

## 12864— Sails (Yacht)

Baker H. H. & Co., Buffalo, N. Y.
Cousens & Pratt, Neponset, Boston, Mass.
Curtin John (Inc.), 71 Front, New York
Daniels C. R. Inc., 115 South, New York
Goss J. C. Co., 16 E Woodbridge, Detroit, Mich.
Gromann Henry F., 320 Pearl, New York
Herreshoff Mfg. Co., Bristol, R. I.
McClellan Chas. P., Fall River, Mass.
Mills Andrew & Sons, 53 South, New York
Moore Benj. & Co., 27 South, New York
Pease L. F. Co., 7 Crawford, Providence, R. I.
Thomas Wm. E & Co., 42 South, New York
Upson-Walton Co., 1294 W 11th, Cleveland, O.
Wilson & Silsby, Rowe's Wharf, Boston, Mass.

## 12865—Salad Sets (Forks & Spoons)

The Arlington Wks. (du Pont E. I. de Nemours & Co.), Wilmington, Del.

## 12866— Salamanders

Channon Jas. H. Mfg. Co. ("Blazer"), 227 W Erie, Chicago, Ill.
Donley Bros. Co., 3625 E 74th, Cleveland, O. *See adv index at end of book*

Drouve G. Co., Bridgeport, Conn.
Eagle Iron Works ("May's"), 850 De-Kalb av, Brooklyn, N. Y.
Fleck M., 338 E 124th, New York
Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.
Howes S. M. Co., 42 Union, Boston, Mass.
Jackson Mfg. Co., Harrisburg, Pa.
Keller A. E. (Mason's), 136 Beekman, New York
Littleford Bros., 444 E Pearl, Cincinnati, O.
Mostberger Iron Co. ("Buffalo"), 878 S Division, Buffalo, N. Y.
Munroe R. & Sons Mfg. Corp., 23d & Smallman, Pittsburgh, Pa.
North Star Ash Can Co. (Masons), 167 Chrystie, New York
Penn Foundry & Mfg. Co., Reading, Pa.
Phillips Doup & Co., 60 Pearl, Brooklyn, N. Y.

## 12867— Sal-Ammoniac

See Also Chemicals, Battery

Barrett Co., 17 Battery pl, New York
Bauer Philip Co. (Imp.), 25 W B'way, New York
Baugh & Sons Co., 20 S Delaware av, Philadelphia, Pa.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Chemical Co., 251 Broad, New York
Grasselli Chemical Co., Guardian bldg Cleveland, Ohio
Harshaw, Fuller & Goodwin, Elec bldg, Cleveland, O.
Hillier's R. Son Co. (Powdered), 100 William, New York. Works: Jersey City, N. J.
Innis, Speiden & Co., Inc. (Imported), 46 Cliff, New York
*See adv index at end of book*
Klipstein A. & Co., 644 Greenwich, New York
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Roessler & Hasslacher Chemical Co. (White & Gray), 709 6th av, New York
Semet-Solvay Co., Syracuse, N. Y.
Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York
Warren Products Co., 265 Canal, New York. *See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 12868— Salicylate of Soda

British-American Chemical Corp., 109 Beekman, New York
Dow Chemical Co., Midland, Mich.
Heyden Chemical Wks., Garfield, N. J.
Merck & Co., 45 Park pl, New York
Pfizer Chas. & Co., 81 Maiden la, New York
Semet-Solvay Co., Syracuse, N. Y.

## 12868a— Salicylamide

Barrett Co., 17 Battery pl, New York
Greeff R. W. Co., 80 Maiden la, New York
Merck & Co., 45 Park pl, New York

## 12869— Salol

Greeff R. W & Co., 80 Maiden la, New York
Heyden Chemical Works, Garfield, N. J.
Mallinckrodt Chem. Wks, 2d & Mallinckrodt, St. Louis, Mo.

## 12870-1— Sal-Soda

American Chemical Co., 640 Carr, Cincinnati, O.
Bay Chemical Wks., 24 California, San Francisco, Cal.
**California Soap Co., 2437 E 9th, Los Angeles, Cal.**
Chesapeake Oil Co., Ostend & Leadenhall, Baltimore, Md.
Church & Dwight Co. (Also Concentrated Sal-Soda), 27 Cedar, New York
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Industrial Minerals Co. Inc., 525 Phelan bldg, San Fransisco, Cal.
Iowa Soda Products Co., Council Bluffs, Iowa
Klipstein A. & Co., 644 Greenwich, New York
Mechling Bros. Mfg. Co., Camden, N. J.
Morton Salt Co., 80 E Jackson blvd, Chicago, Ill.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
National Chemical Co. of Cal., 526 S Alameda, Los Angeles, Cal.
Penn Chemical Works, 1322 Wash. av, Phila., Pa.
Penna. Salt Mfg. Co. (Also Laundry Soda), Widener bldg, Phila., Pa.
Reardon Jno. & Sons Co., Cambridge, Mass.
**VERA CHEMICAL CO., North Milwaukee, Wis.**
Warren Products Co., 265 Canal, New York. *See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.
Winkler Isaac & Bros. Co., 1st National Bank bldg., Cincinnati, O.

## 12872-3— Salt Cake

See Also Salts, Glauber

Butterworth-Judson Corp., 61 Broadway, New York. *See adv index at end of book*
Contact Process Co., Buffalo, N. Y.
du Pont (E. I.) de Nemours & Co. (Sodium Sulphate), (Acid & Heavy Chemical Sales Dept.), Wilmington, Del.
General Chemical Co. (Glass Makers), 25 Broad, New York
Grasselli Chemical Co. (For Glass Makers), Guardian bldg, Cleveland, O.
Kalbfleisch Corp., 31 Union sq, New York
National Zinc Co., 61 B'way, New York
New Jersey Zinc Co., 160 Front, New York
Penna. Salt Mfg. Co. (Refined, For Glass Makers), Widener bldg., Phila., Pa.
Riverside Acid Works, Warren, Pa.
Rollin Chemical Corp., 120 B'way, New York. *See adv index at end of book*
Warren Products Co., 265 Canal, New York. *See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 12874— Salt Mfrs.

Avery Rock Salt Mining Co., Scranton, Pa.
Barton Salt Co., Hutchinson, Kan.
Bevis Rock Salt Co., Arcade bldg, St. Louis, Mo.
Bliss & Van Auken, Saginaw, Mich.
Bradley N. B. & Sons, Bay City, Mich.
California Salt Co., Mills bldg, San Francisco, Cal.
Carey Salt Co., Hutchinson, Kan.
Cleveland Salt Co., 5912 Central av, Cleveland, O.
Colonial Salt Co., Akron, O.
Consumers Salt Co., Los Angeles, Cal.
Copell Salt Co., Salt Lake City, Utah
Desert Crystal Salt Co., White Plains, Nev.
Diamond Crystal Salt Co., St. Clair, Mich.
Dickinson J. Q. & Co. ("Genuine Kanawha"), Malden, W. Va.
Eastern Salt Co., 186 State, Boston, Mass.
Eddy Bros. & Co., Bay City, Mich.
Empire Coarse Salt Co., Syracuse, N. Y.
Grand Saline Salt Co., Grand Saline, Tex
Independent Salt Co., 44 Whitehall, New York
Inland Crystal Salt Co., Salt Lake City Utah
Inland Delray Salt Co., Telegraph bldg, Detroit, Mich.
International Salt Co. (of New Jersey), 2 Rector, New York
International Salt Co. (of New York), Scranton, Pa.
Kneeland-Bigelow Co., Bay City, Mich.
Leroy Salt Co., Leroy, N. Y.
Mershon Eddy, Parker Co., Saginaw, Mich.
Michigan Salt Works, Marine City, Mich.
Morton Salt Co., 80 E Jackson blvd, Chicago, Ill.
Myles Salt Co. (Ltd.), 713 Whitney Central bldg, New Orleans, La., & Weeks, La.
North American Chemical Co., Bay City, Mich.
Ohio Salt Co., Wadsworth, O., & 100 Hudson, New York
Onondaga Coarse Salt Assn., Syracuse N. Y.
Peters R. G. Salt & Lumber Co., East Lake, Mich.
Pomeroy Chemical Co., Pomeroy, Ohio
Robinson Jerh. P. & Co. (Imp.), 56 Beaver, New York
Saginaw Plate Glass Co., Saginaw, Mich.
Salina Solar Coarse Salt Co., Syracuse, N. Y.
Solvay Process Co., Syracuse, N. Y.
Standard Salt & Cement Co., Duluth, Minn.
Stearns Salt & Lumber Co., Ludington, Mich.
Sterling Salt Co., 29 B'way, New York
Todd Salt Co. (Imp.), 407 E 8th, New York
Union Salt Co., Addison rd & L. S. & M. S. Ry., Cleveland, O.
Utah Salduro Co. ("Seal of Quality"), Salt Lake City, Utah
Wadsworth Salt Co., Wadsworth, O.
Western Rock Salt Co., Arcade bldg, St. Louis, Mo.
Worcester Salt Co., 71 Murray, New York

## 12875— Saltpetre

Battelle & Renwick ("Niagara" Refined Crystals, Granular & Powdered), 80 Maiden la, New York
Croton Chemical Co., 14 Cedar, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Ralli Bros. (Imp.), 11 William, New York**
Takamine Commercial Corp. (Imp.), 120 B'way, New York
Thorkildsen-Mather Co., 111 W Monroe, Chicago, Ill.
Warren Products Co., 265 Canal, New York. *See adv index at end of book*
White Thos. H. & Co. (Brokers), 11 S Gay, Baltimore, Md.
Wiarda John C. & Co. (Jobbers), 273 Greene, Brooklyn, N. Y.

## Saltpetre (Chile)

See Nitrate of Soda

## 12876-7-8-9—Saltpetre (Nitrate of Potassium)

Du Pont E. I. de Nemours & Co., Wilmington, Del.

## 12880— Salts (Aniline)

Berlin Aniline Works (Imp.), 213 Water, New York
Calco Chemical Co., Bound Brook, N. J.
Chemical Co. of America, 28 Platt, New York
Marden, Orth & Hastings Co., 136 Liberty, New York
Midvale Chemical Works, 610 Locust, St. Louis, Mo.
Montcalm Chemical Wks., 220 N Illinois, Indianapolis, Ind.
Sparks John C., 42 Warren, New York

## 12881— Salts (Chemical)

American Luminous Products Co. (Calcium), Huntington Park, Cal.
Doggett Stanley, 11 Cliff, New York
General Chemical Co., 25 Broad, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Ohio Chemical & Mfg. Co. 1177 Marquette, Cleveland, O.

## 12882— Salts (Copper)

Buchanan C. G. Chemical Co., 4650 Baker av, Cincinnati, Ohio
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 12882a— Salts (Epsom)

See also Magnesium Sulphate

Clarke Chem. Co., Wickliffe, O.
Drackett P. W. & Sons Co., 5020 Spring Grove av, Cincinnati, O.
General Chemical Co., 215 Broad, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Ohio Chemical & Mfg. Co., 1177 Marquette, Cleveland, O.
Van Schaack Peter & Sons (Jobbers Tasteless), 118 W Lake, Chicago, Ill.
Warren Products Co., 265 Canal, New York. *See adv index at end of book*

## 12882b—Salts (Effervescent)

Abbey Effervescent Salt Co., 1382 B'way, New York
Parke Davis & Co., 743 E Atwater, Detroit, Mich.

## 12883— Salts (Glauber's)

See also Sodium Sulphate

Bischoff C. & Co. (Imp.), 451 Washington, New York
Central Products Co., 1352 Wells, Chicago, Ill.
Ducas B. P. Co. (Imp.), 25 S William, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Chemical Co. (And Nitre Cake), 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hillier's R. Son Co. (Powdered), 100 William, New York. Works, Jersey City, N. J.
Iowa Soda Products Co., Council Bluffs, Ia.
Jobbins Wm. F. (Inc.), Aurora, Ill.
Katzenbach & Bullock Co., 100 William, New York
Mechling Bros. Mfg. Co., Camden, N. J.
Merrimac Chemical Co., 148 State, Boston, Mass.
National Zinc Co., 61 B'way, New York
Naugatuck Chemical Co., Naugatuck, Conn.
Niasco Chem. Co., New Market, N. J.
Pennsylvania Salt Mfg. Co., Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916 Parrish, Philadelphia, Pa.
Pratt N. P., Atlanta, Ga.
Rollin Chemical Corp., 120 B'way, New York *See adv index at end of book*
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
Warren Products Co., 265 Canal, New York. *See adv index at end of book*
Wiarda John C. & Co. (Jobbers), 273 Greene, Brooklyn, N. Y.

## 12884— Salts (Manure)

Ashcraft Wilkinson Co., Atlanta, Ga.
German Kali Works (Imp.), 42 B'way New York

## 12885— Salts (Nickel)

See Also Nickel Sulphate; also Nickel Ammonium Sulphate

Day S. A. Mfg. Co. (Dealers), 1483 Niagara Buffalo, N. Y.
Finkell Wm. T. ("Peerless" Dealer), 103 Maiden la, New York
Finkell-Hachmeister Chemical Co. (Chinisol"), 1910 Forbes, Pittsburgh, Pa.
Fuerst Bros. & Co. (Imp.), 2 Stone, New York
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**INTERNATIONAL NICKEL CO.**, 43 Exchange pl, New York
*See adv index at end of book*
Munning A. P. & Co. (Single & Double), Matawan, N. J.
Neubeck Adolf (Plating), Buffalo, N. Y.

SALTS (NICKEL)—continued
Roessler & Hasslacher Chemical Co. ("Trisalyt" Metallic Triple Salt for Electroplating), 709 6th av, New York
U. S. Chemical Co. (Black), 3621 Lakeside av, N E, Cleveland, O.
**Warren** Products Co., 265 Canal, New York *See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## 12886— Salts (Platinum)

American Platinum Wks., 231 N J RR av, Newark, N. J.
Roessler & Hasslacher Chemical Co., 709 6th av, New York

## 12887—Sample Cases (Jewelry)

Rueckert Mfg. Co., 162 Clifford, Providence, R. I.

## 12887a— Sample Cases & Bags

Ajax Trunk & Sample Case Co., 150 W 18th, New York
Belber Trunk & Bag Co., 1641 N Hancock, Philadelphia, Pa.
Cutter & Cutter, 95 Bedford, Boston, Mass.
Diamond Nicholas & Co., 616 W Adams, Chicago, Ill.
Fibre Case & Novelty Co., 274 Church, N. Y.
Headley & Farmer Co., Newark, N. J.
Katz Bros Leather Goods Co., 135 W 20th N. Y
**KNICKERBOCKER CASE CO.,** Fulton & Clinton, Chicago, Ill.
*See adv index at end of book*

SAMPLE CASES
for anything and everything
*in stock or made-to-order*
Knickerbocker Case Company
**Fulton and Clinton Sts., Chicago, Ill.**

Likly Henry & Co., Rochester, N. Y.
Seitz J. H & Son, 414 Brown, Phila., Pa.
Warren Leather Goods Co., Worcester, Mass.
Winship W. W. & Sons, Co., Utica, N. Y.

## 12888—Samplers (Coffee, Etc.)

Sanders, Frary & Clark, New Britain, Conn.

## 12889— Samplers (Grain)

Minneapolis Brass & Iron Mfg. Co., 115 N 9th, Minneapolis, Minn.
Moore & Lorenz Co., 2144 W Fulton, Chicago, Ill.
**SAUERMAN BROS.,** 1138 Monadnock blk, Chicago, Ill.
*See adv index at end of book*

## 12890— Samplers (Ore)

Braun Corporation, 363 New High, Los Angeles, Cal.
Braun-Knecht-Heimann Co. (Laboratory), 576-584 Mission, San Francisco, Cal.
Denver Engineering Works Co., Denver, Col.
Denver Fire Clay Co. ("Jones," "Core"), Denver, Colo.
**KENNEDY VAN SAUN MFG. & ENG. CORP.,** 120 Broadway, New York
***See adv index at end of book***
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
William A. Box Iron Works Co. ("Brunton"), 3309 Blake, Denver, Colo.

## 12890a—Sand Blast Accessories

Hoevel Mfg. Corp., 166 Ogden av, Jersey City, N. J.
***See adv index at end of book***
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Pangborn Corp., Hagerstown, Md.

## 12890b—Sand Blast Apparatus

Hoevel Mfg. Corp., 166 Ogden av, Jersey City, N. J. *See adv index at end of book*

## 12891— Sand Blast Equipment

Hoevel Mfg. Corp., 166 Ogden av, Jersey City, N. J. *See adv index at end of book*

REVOLVING BARREL
ROTARY TABLE
SANDBLAST MACHINES
DUSTLESS SAND BLAST ROOMS
HOSE SAND BLASTS AND ALL OTHER SANDBLAST EQUIPMENTS AND ACCESSORIES
HOEVEL MANUFACTURING CORP.
CONTROLLED BY L. O. KOVEN & BROS.
166 OGDEN AVENUE, JERSEY CITY, N. J.

**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
MacLeod Co. **(Machines, Helmets, Cabi**nets, etc.), 2227 Bogen, Cincinnati, O.
***See adv index at end of book***

We build Hose Type Machines, Tumbling Barrels, Tables, Cabinets and a full line of this type machinery.
**MACLEOD CO., 2227 Bogen St., Cincinnati, O.**

Rich Fdry. Equipment Co. ("Rich"), 2528 W 48th pl, Chicago, Ill.
**STANDARD EQUIPMENT CO.** ("Standard"), 184 Church, New Haven, Conn.

## 12891a—*Sand Blast Exhaust System

Hoevel Mfg. Corp., 166 Ogden av, Jersey City, N. J. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 12891b—Sand Blast Revolving Barrels

Hoevel Mfg. Corp., 166 Ogden av, Jersey City, N. J. *See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Pangborn Corp., Hagerstown, Md.

## 12891c—*Sand Blast Rotary Table

Hoevel Mfg. Corp., 166 Ogden av, Jersey City, N. J. *See adv index at end of book*
Pangborn Corp. (Automatic), Hagerstown, Md.

## 12892—Sand Blast Systems

**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
MacLeod Co. (Exhaust System), 2227 Bogen, Cincinnati, O.
***See adv index at end of book***
Pangborn Corp., Hagerstown, Md.
Warren Products Co., 265 Canal, New York *See adv index at end of book*

## 12893— Sand (Core)

See also Sand, Molding or Foundry

Berkshire Glass Sand Co., Cheshire, Mass.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Cutter & Wood Supply Co., 77 Pearl, Roston, Mass. *See adv index at end of book*
Downer S. W., Downer, N. J.
Humphreys E. C. Co., 624 Penobscot,, Detroit, Mich.
Jackson Sand Mining Co., Jackson, O.
Kiamensi Clay Co., Wilmington, Del.
Newport Sand Bank Co., Newport, Ky.
Northern Gravel Co., Muscatine, Iowa
Paxon J. W. Co., 1021 N Delaware av, **Philadelphia, Pa.**
Reynolds E. J. Sand Co., Utica, Ill.
Tavern Rock Sand Co., 612 N 2d, St. Louis, Mo.
U. S. Silica Co., 122 S Michigan av, Chicago, Ill.
Utica Fire Sand Co., Utica, Ill.
Valentine M. D. & Bro. Co., Woodbridge, N. J.
Wausau Quartz Co. Wausau, Wis.
Wedron White Sand Co., Wedron, Ill.
Whitehead Bros. Co., 537 W 27th, New York

## 12894—Sand Excavating & Screening Plants (Portable)

**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.**
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry. Phila., Pa. *See adv index at end of book*
cago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Sauerman Bros., Monadnock blk, Chicago, Ill. *See adv index at end of book*

## 12895— Sand (Filtering)

Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Cape May Sand Co., Cape May, N. J.
Des Moines Sand & Fuel Co., Des Moines, Iowa
International Filter Co., 38 S Dearborn, Chicago, Ill.
Kiamensi Clay Co., Wilmington Del.
National Dredging & Lighterage Co., North American bldg, Phila., Pa.
New England Quartz Co. of N. Y., 150 Nassau, New York
New York Continental Jewell Filtration Co., Nutley, N. J.
Northern Gravel Co., Muscatine, Iowa
Portage Silica Co., Youngstown, O.
Steers Hy. Sand & Gravel Co., 17 Battery pl, New York
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Wausau Quartz Co., Wausau, Wis.

## 12896— Sand (Furnace)

Berkshire Glass Sand Co., Cheshire, Mass.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Catlin R. H. Co. (Furnace Bottom), Wilmington, Del.
Downer S. W., Downer, N. J.
Kiamensi Clay Co., Wilmington, Del.
Reynolds E. J. Sand Co., Utica, Ill.
Standard Silicon Co., Ridgway, Pa.
Tavern Rock Sand Co. (Fire & Furnace), 612 N 2d, St. Louis, Mo.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Utica Fire Sand Co., Utica, Ill.

## 12897—Sand (Glass Makers')

Acme Glass Sand Co., Coxville, Ind.
Berkshire Glass Sand Co., Cheshire, Mass.
Brown's Mills Sand Co., in the Pines Brown's Mills, N. J.
Central Silica Co., Zanesville, O.
Crystal Sand Co., Bridgeton, N. J.
Derry Glass Sand Co., Latrobe, Pa.
Downer S. W., Downer, N. J.
Graham Glass Co., Evansville, Ind.
Kentucky Silica Co., Louisville, Ky.
Kiamensi Clay Co., Wilmington, Del.
New England Quartz Co., of N. Y., 150 Nassau, New York
Oneida Lime Co., Ltd., Buffalo, N. Y.
Pennsylvania Glass Sand Co., 341 4th av, Pittsburgh, Pa.
Pittsburgh White Sand Co., Farmers' Bank bldg, Pittsburgh, Pa.
Product Sales Co. (Jobbers), 32 S Calvert, Baltimore, Md.
Reading Sand Co., Bridgeton, N. J.
Reynolds E. J. & Co., Utica, N. Y.
Round Top Glass Sand Co., Hagerstown, Md.
Sonnhalter Sand & Stone Co. Massillon, O.
Standard Silicon Co., Ridgway, Pa.
Tavern Rock Sand Co., 612 N 2d, St. Louis, Mo.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Utica Fire Sand Co., Utica, Ill.
Wedron White Sand Co., Wedron, Ill.
Winfield Sand & Mineral Co., 2nd National Bank bldg, Pittsburgh, Pa.

## 12898— Sand (Granite)

Stowell Mfg. Co., Culver av, Jersey City, N. J.

## 12899—Sand Handling Plants

**BARTLETT C. O. & SNOW CO.,** Fall st, Cleveland, O.
*See adv index at end of book*
Heyl & Patterson, 51 Water, Pittsburgh, Pa.

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
McMyler-Interstate Co., Bedford, O.
Stephens-Adamson Mfg. Co., Aurora, Ill.

## 12900—Sand (Molding or Foundry)

See also Foundry Facings & Supplies

Albany Sand & Supply Co., Albany, N. Y.
Ayres Mineral Co., Zanesville, O.
Beach City Silica Sand Co. (Silica), Beach City, O.
Berkshire Glass Sand Co., Cheshire, Mass.
Boehm J. K. Huron, O.
Brennan Sand Co., Tullytown, Pa.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Buckeye Products Co., 919-925 W 5th, Cincinnati, O. *See adv index at end of book*
Burton-Townsend Co. (Molding), Ashtabula, O.
Cape May Sand Co., Cape May City, N. J.
Catlin R H. Co., Wilmington, Del.
Crystal Springs Sand Co., Canal Fulton, O.
Cutter & Wood Supply Co., 77 Pearl, Boston, Mass. *See adv index at end of book*
Downer S. W., Downer, N. J.
Enterprise Sand Co., Fulton bldg, Pittsburgh, Pa.
Evers Jno. Estate, Waterford, N. Y.
Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Geauga Silica Sand Co., Schofield bldg, Cleveland, O.
Gordon Sand Co., Inc., Conneaut, O.
Hime J. R. Sand Co., Junction City, Ga.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
International Silica Co., Cairo, Ill.
Jackson Sand Mining Co., Jackson, O.
Kentucky Silica Co., Louisville, Ky.
Keystone Foundry Supply Co., Buffalo, N. Y.
Kiamensi Clay Co., Wilmington, Del.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Massillon Sand & Stone Co., Massillon, O.
Mont Alto Sand Co., Waynesboro, Pa.
National Sales Co., 31 E 13th, Cincinnati, O.
New England Quartz Co. of N. Y., 150 Nassau, New York
Newport Sand Bank Co., Newport, Ky.
New York Sand & Facing Co., 106 Grand av, Brooklyn, N. Y.
Oliver Silica Sand Co., Massillon, O.
Oneida Lime Co., Ltd., Buffalo, N. Y.
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
Peerless Sand Co., Oliver bldg, Pittsburgh, Pa.
Pettinos Chas. E., 25 Church, New York
Pittsburgh White Sand Co. (Brick Molding Only), Farmers' Bank bldg, Pittsburgh, Pa.
Portage Silica Co. (Steel Casting), Youngstown, O.
Rapp A. C. Co., Phillipsburg, N. J.
Raritan Ridge Clay Co., Metuchen, N. J.
Reynolds E. J. Sand Co., Utica, Ill.
Round Top Glass Sand Co., Hagerstown, Md.
Sandusky Sand Co., Sandusky, O.
Silican Products Co., Lancaster, Pa.
Squier Ed. E. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Standard Silicon Co., Ridgway, Pa.
Stevens Frederic B., 3d & Larned, Detroit, Mich. *See adv index at end of book*
Superior Sand Co., Guardian bldg, Cleveland, O.
Tuscora Sand & Coal Co. ("Tuscora"), 719 Prospect, Hippodrome bldg, Cleveland, O.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Utica Fire Sand Co. (Steel Molding & Core Sand), Utica, Ill.
Walker Sand Co., West Springfield, Pa.
Wausau Quartz Co., Wausau, Wis.
Wedron White Sand Co., Wedron, Ill.
Whitehead Bros. Co. (Albany, French, Fire, Core, etc), 537 W 27th, New York

## 12900a—*Sand (Painters' Colored)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 12900b— *Sandpaper

See also Paper (Flint, Sand & Emery)

**WAUSAU ABRASIVES CO.,** 118 S Clinton, Chicago, Ill.

## 12901— Sand (Pure White)

Berkshire Glass Sand Co., Cheshire, Mass.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Kiamseni Clay Co., Wilmington, Del.
Raritan Ridge Clay Co. (Fine White & Yellow Kiln-Setting), Metuchen, N. J.
Standard Silicon Co., Ridgway, Pa.
United States Silica Co., 122 S Michigan av, Chicago, Ill.

## 12902— Sand (Sand Blast)

Albany Sand & Supply Co., Albany, N. Y
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Cape May Sand Co., Cape May, N. J.
Catlin R. H. Co., Wilmington, Del.
Des Moines Sand and Fuel Co., Des Moines, Iowa
Downer S. W., Downer, N. J.
Jackson Sand Mining Co., Jackson, O.
Kiamseni Clay Co., Wilmington, Del.
National Dredging & Lighterage Co., North American bldg, Phila., Pa.
New England Quartz Co. of N. Y., 150 Nassau, New York
Northern Gravel Co., Muscatine, Iowa
Obermayer S. Co., 2563 W. Chicago, Ill.
Pangborn Corp., Hagerstown, Md.
Portage Silica Co., Youngstown, O.
Product Sales Co., 32 S Calvert, Baltimore, Md.
Squire Edw. E. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Standard Silicon Co., Ridgway, Pa.
United States Silica Co., 122 S Michigan av, Chicago, Ill.
Whitehead Bros. Co., 537 W 27th, New York

## 12903— Sand (Silica)

Acme Glass Sand Co., Coxville, Ind.
Beach City Silica Sand Co., Beach City, Ohio
Bertolet & Hunter, Temple, Pa.
Bour L. J. Refractories Co., Scranton, Pa.
Brown's Mills Sand Co., in the Pines, Brown's Mills, N. J.
Central Silica Co., Zanesville, O.
Century Fuel Co., 328 W 37th, Chicago, Ill.
Doggett Stanley, 11 Cliff, New York
Downer S. W., Downer, N. J.
Everhard Co., Massillon, O.
Fox C. M., Ridgeway, Pa.
Franklin Silica Sand Co., Franklin, Pa.
Garden City Sand Co. (Also White), Chamber of Commerce bldg, Chicago, Ill.
Gray Summit White Sand Co., Boatmen's Bank bldg, St. Louis, Mo.
Greenville Silica Co., Greenville, Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Hime J. R. Sand Co., Junction City, Ga.
Humphreys E. C. Co., 624 Penobscot, Detroit, Mich.
Illinois Valley Silica Co. (Crushed & Screened), Ottawa, Ill.
International Silica Co., Cairo, Ill.
Jackson Sand Mining Co., Jackson, O.
Kentucky Silica Co., Louisville, Ky.
Kiamseni Clay Co., Wilmington, Del.
Massillon Sand & Stone Co., Massillon, O.
National Sales & Trading Co., Cleveland, Ohio
National Sand & Stone Co., Niles, O.
New England Quartz Co. of N. Y., 150 Nassau, New York
Ohio Silica Co., East Liverpool, O.
Oliver Silica Sand Co., Massillon, O.
Oneida Lime Co., Ltd., Buffalo, N. Y.
Ottawa Silica Co. (Washed White Flint Sand), Ottawa, Ill.
Pennsylvania Glass Sand Co. (White Rock), 341 4th av, Pittsburgh, Pa.
Perth Amboy Fire Brick Co., 114 Liberty, New York
Pittsburgh White Sand Co., Farmers' Bank bldg, Pittsburgh, Pa.
Portage Silica Co., Youngstown, O.
Red Wing Filter Sand Co., Red Wing, Minn.
Reynolds E. J. Sand Co. (White), Utica, Ill.
Silican Products Co., Lancaster, Pa.
Sonnhalter Sand & Stone Co., Massillon, Ohio
Special Service Flooring Corp., 2039 Grand Central Terminal, New York *See adv index at end of book*
Squier Ed. E. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Standard Silicon Co., Ridgway, Pa.
Stewart-Peck Sand Co., Amer. Bank bldg, Kansas City, Mo.
Summit Silica Co., Barberton, O.
Tavern Rock Sand Co., 612 N 2d, St. Louis, Mo.
U. S. Silica Co. (Washed White Flint Sand), 122 S Michigan av, Chicago, Ill.
Wausau Quartz Co., Wausau, Wis.
Winfield Sand Co., 2d National Bank bldg, Pittsburgh, Pa.

## 12904— Sand (Stone Sawing)

Kiamseni Clay Co., Wilmington, Del.
Reynolds E. J. Sand Co., Utica, Ill.
Steers Hy. Sand & Gravel Co., 17 Battery pl, New York
Tavern Rock Sand Co., 612 N 2d, St. Louis, Mo.
Utica Fire Sand Co., Utica, Ill.

## 12905—Sand Towers & Storage Tanks

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila, Pa. *See adv index at end of book*
Robertson Wm. & Co. ("Robertson," for Railroad Use; also Sand Dryers), 20 W. Jackson blvd, Chicago, Ill.

## 12906— Sand Washers

Bonney Supply Co. (Also Gravel), Livingston bldg, Rochester, N. Y.
Dull Raymond W. Co. (Also Gravel), 111 W Washington, Chicago, Ill.
Lewistown Foundry & Machine Co., Lewistown, Pa.
Link-Belt Co., 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Ransome Concrete Machinery Co., Dunellen, N. J.
Stocker Concrete Material Washer Co. (Also Gravel), Highland, Ill.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*

## 12907—Sand & Gravel Dealers

Aetna Sand & Gravel Co., 7159 Normal, Chicago, Ill.
American Sand & Gravel Co., Chamber of Commerce bldg, Chicago, Ill.
American Sand & Gravel Co., Erie, Pa.
Arundel Sand & Gravel Co. (Washed Gravel & Sand), Pier 2 Pratt, Baltimore, Md.
Atlantic Coast Sand Co. (Sea Sand), 24 Stone, New York
Atlas Coal & Supply Co., Binghamton, N. Y.
Atwood-Davis Sand Co. (Producers), 112 W Adams, Chicago, Ill.
Banner Coal & Sand Co., R. I. & Wabash & Euclid, St. Louis, Mo.
Barnes Sand & Gravel Co., Portsmouth, O.
Bay Development Co., 153 Berry, San Francisco, Cal.
Bedford & Nugent (Screened Ohio River), Evansville, Ind.
Biesanz Stone Co., Winona, Minn.
Bos John N., 118 N La Salle, Chicago, Ill.
Boston Sand & Gravel Co., 88 Broad, Boston, Mass.
Brookhaven Gravel Co., Brookhaven, Miss.
Brown Chas. R., Syracuse, N. Y.
Brown-Stone Store Co., Waltonville, Pa.
Buckeye Dredging Co. (Sand & Pea & Roofing Gravel), Kimball & Mitchell, Columbus, O.
Builders' Material Supply Co., Kansas City, Mo.
Bunker G. W. Co., Grand Rapids, Mich.
Burke Andrus Sand Co., Fort Smith, Ark.
Cadillac Sand & Gravel Co., Nicholas bldg, Toledo, O.
California Building Material Co., New Call bldg, San Francisco, Cal.
Carmichael Wm. P. Co., Williamsport, Ind.
Carroll Bros., Ellicott sq, Buffalo, N. Y.
Carroll J. E. Sand Co. (Gravel Pit), White bldg, Buffalo, N. Y.
Cary Sand & Gravel Co., 127 N Dearborn, Chicago, Ill.

SAND & GRAVEL DEALERS—continued

Chattanooga Sand & Supply Co., Chattanooga, Tenn.
Chicago Gravel Co., 343 S Dearborn, Chicago, Ill.
Citizens Sand & Gravel Co., Toledo, O.
Columbia Granite & Dredging Corp., 3036 K. N W, Washington, D. C.
Concrete Stone & Sand Co., Youngstown, O.
Cook & Laurie Gravel Co., Montgomery, Ala.
De Frain Sand Co., Beach & Berks, Phila., Pa.
Des Moines River Gravel Co., Harvey, Ia.
Des Moines Sand and Fuel Co. (Producers of Washed & Sized, Asphaltic Concrete, Binder, Reinforcing Bitulithic & Roofing Gravel & Bitulithic Brick Bldg. Concrete & Engine Sand), Des Moines, Iowa
Dick Sand Co., Franklin, Pa.
Do Ville Lake Sand & Gravel Co., Toledo, Ohio
Elliott Cedar River Gravel Co., Seattle, Wash.
Empire Limestone Co., 19 Hudson, Buffalo, N. Y.
Erie Sand & Gravel Co., Erie, Pa.
Esson Sand & Gravel Co., 111 W Wash., Chicago, Ill.
Evansville Sand & Gravel Co. (Screened Ohio River), Evansville, Ind.
Everett Sand & Gravel Co., Everett, Wash.
Everhard Co., Massillon, O.
Fitzgerald J. W. Co., Savannah, Ga.
Fleming Alfred J., 109 Broad, New York
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Ginn Co., Ironton, O.
Goodwin-Gallagher Sand & Gravel Corp., **61 B'way, New York**
Grant Gravel Co., Flatiron bldg, San Francisco, Cal.
Greenville Gravel Co., Greenville, O.
Guadalupe River Navigation Co. (Washed & Screened), Victoria, Tex.
Halliday H. H., Cairo, Ill.
Harrison Bros. Co., Tacoma, Wash.
Hime J. R. Sand Co. (Producers Asphalt, Brick & Plaster Sand, etc), Junction City, Ga.
Homegardner Sand Co., Sandusky, O.
Humboldt Gravel & Tile Co. (Washed & Screened Sand & Gravel Producers), Humboldt, Iowa
Hunkins-Willis Lime & Cement Co., Century bldg, St. Louis, Mo.
Independent Gravel Co. (Flint Mine Screenings), Webb City, Mo.
Ingram W. T., Jeffersonville, Ind.
Interstate Material Co., Davenport, Ia.
Iron City Sand Co., Bessemer bldg, Pittsburgh, Pa.
Janesville Sand & Gravel Co., Janesville, Wis.
Joliet Sand & Gravel Co., 343 S Dearborn, Chicago, Ill.
Keating J. L. Co., 236 E. 35th, New York
Keener Sand & Clay Co., Hartman bldg, Columbus, O.
Kelley Island Lime & Transport Co. (Washed Sand, etc), Leader News bldg., Cleveland, O.
Kickapoo Sand & Gravel Co., Attica, Ind.
King J. B. & Co., 17 State, New York
Kings Crown Plaster Co., Cedar Rapids, Ia.
Lake Erie Sand Co., Sandusky, O
**Lake Shore Sand & Gravel Co., Cuyahoga & W 3d, Cleveland, O.**
Lawrence Sand Co., New Castle, Pa.
Lorain Sand & Gravel Co., Lorain, O.
Lyman Richey Sand Co. (Sand Only), Omaha, Neb.
Meremec-Portland Cement & Material Co., St. Louis, Mo.
Millwood White Sand Co. (White), Jackson, O.
Milwaukee Sand & Gravel Co., 779 N Water, Milwaukee, Wis.
Missouri Portland Cement Co., Post Dispatch bldg, St. Louis, Mo.
Mont Alto Sand Co., Waynesboro, Pa.
Murray Jos. & Co. (Rockaway White Sand), 263 Av C, New York
Musterfield Sand & Gravel Co., Richmond, Va.
Nassau Sand & Gravel Co., 949 Broadway, New York
National Dredging & Lighterage Co., North American bldg, Phila., Pa.
New Lexington Sand Co., New Lexington, Ohio
Niles Sand Gravel & Rock Co., 704 Market, San Francisco, Cal.
Northern Gravel Co. (Producers), Muscatine, Iowa
O'Brien Bros., Inc. (Gravel), 54 South, New York
Ogle Bros. (Washed), 3829 10th av, Seattle, Wash.
Ohio River Sand Co., Louisville, Ky.
Ohio & Mich. Sand & Gravel Co., Toledo, Ohio
Oklahoma Supply & Navigation Co., Muskogee, Okla.
Palmyra Sand Co., Palmyra, N. Y.
Pelee Island Sand & Gravel Co., 1800 Scranton rd, Cleveland, O.
Peoples Bros. (Bar, White & Washed), **25th & Callowhill, Phila., Pa.**
Perry-Victoria Sand Co., Buffalo, N. Y.
Perth Amboy Fire Brick Co. (Building Sand), 114 Liberty, New York
Petersburg Sand & Gravel Corp., Petersburg, Va.
Phoenix Sand & Gravel Co., 21 E 40th, New York
Pioneer Sand & Gravel Co. (Washed & Screened Sand & Gravel), Seattle, Wash.
Portage Silica Co., Youngstown, O.
Rapp A. C. Co., Phillipsburg, N. J.
Raritan Ridge Clay Co., Metuchen, N. J.
Richardson Sand Co., 6647 Ridge av, Chicago, Ill.
Ridgeview Sand Co., Oil City, Pa.
River Sand Co., Niagara Falls, N. Y.
Rock Island Sand & Gravel Co., Rock Island, Ill.
Rodgers Sand Co., Wood & Water, Pittsburgh, Pa.
Rosser Chas., Bellaire, O.
Savage-Scofield Co., Tacoma, Wash.
Seattle Sand & Gravel Co., Seattle, Wash.
Sherman-Moore Co., Lowell, Mass.
Silver Creek Sand Co., Silver Creek, N. Y.
Slider E. T. (Engine, Furnace, Concrete & Brick Sand and Concrete & Roofing Gravel), New Albany, Ind.
Smith Clarence L. Co., 30th & 11th av, New York
Somerset Stone Co., Johnstown, Pa.
Southern Paving Gravel Co., Savannah, Ga.
Southern Sand & Gravel Co., Richmond, Va.
Squier Ed. E. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Standard Silicon Co., Ridgway, Pa.
Star Sand Co., Board of Trade bldg, Portland, Ore.
Steers Hy. Sand & Gravel Co., 17 Battery pl, New York
Stewart Sand Co., 615 Amer. Bank bldg. Kansas City, Mo.
Superior Sand Co., Guardian bldg., Cleveland, O.
Tecumseh Gravel Co., Tecumseh, Mich.
Thompson Warner R., Kerr bldg., Detroit, Mich.
Trenton Sand & Gravel Co., Trenton, O.
Toledo Builders Supply Co., Spitzer bldg, Toledo, Ohio
U. S. Coal, Gravel & Sand Co., Baton Rouge, La.
Utica Fire Sand Co. (Furnace, Glass, Molding, Core, Sawing & Washed Fire Sand), Utica, Ill.
Valentine & Co., Asheville, N. C.
Vanderbilt, E. D. Co., Hoboken, N. J.
Warner Chas. Co. (Dredge & Shipper), I. O. O. F. bldg, Wilmington, Del.
Washed Sand & Gravel Co., Superior blvd. & City Limits, Minneapolis, Minn.
Waterbury Sand & Gravel Co., Waterbury, Conn.
Waukesha Lime & Stone Co., Racine, Wis.
Waupaca Sand & Gravel Co. (Washed), Waupaca, Wis.
Webster Sand, Gravel & Construction Co. (Gravel Pit, etc), Lanesville, La.
Whidby Is. Sand & Gravel Co., Bellingham, Wash
Whitehead Bros. Co., 537 W 27th, New York
Willapa Harbor Sand & Gravel Co., Raymond, Wash.
Wilson Sand & Supply Co., Huntington, W. Va.
Winfield Sand Co., 2d National Bank bldg, Pittsburgh, Pa.
Yahola Sand Co., Muskogee, Okla.

## 12908-9—Sand & Gravel Heaters & Dryers

See also Dryers, Various Kinds

American Blower Co., 1400 Russell, Detroit, Mich.
American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
American Process Co., 68 William, New York
Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.
**BARTLETT C. O. & SNOW CO.**, Fall st. Cleveland, O.
*See adv index at end of book*
Coatesville Boiler Works, Coatesville, Pa.
Connery & Co., 2d & Luzerne, Phila., Pa.
Cummer F. D. & Son Co., Superior Arcade, Cleveland, O.
*See adv index at end of book*
Dover Boiler Works; Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Dyar Supply Co. ("Dyar"), Cambridge, Mass.
*See adv index at end of book*

**DYAR PORTABLE SAND, STONE & GRAVEL HEATER**
CUTS COST OF HEATING & DRYING 50%

Fox Bros. & Co., 126 Lafayette, New York
Fuller-Lehigh Co., Fullerton, Pa.
***See adv index at end of book***
Handlan-Buck Mfg. Co. ("Champion"), 210-14 N 3d, St. Louis, Mo.
Honhorst Joseph Co. (Portable Gravel Dryers), 1016 W 6th, Cincinnati, O.
Indiana Foundry Co. ("Sutton" Dryer), indiana, Pa.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Pangborn Corp., Hagerstown, Md.
Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.
Punxsutawney Foundry & Machine Co. (Sand Dryers), Punxsutawney, Pa.
Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
Roberts & Schaefer Co., ("Beamer" Steam), 332 S Michigan av, Chicago, Ill.
Robertson Wm. & Co. (Dryers); 20 W Jackson blvd, Chicago, Ill.
Ruggles-Coles Engineering Co. (Dryers), 50 Church, New York
Russell Daniel Boiler Works, 93 Boston, Boston, Mass.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
Vissering Harry & Co. ("Vilvco"), 14 E Jackson blvd, Chicago, Ill.
Wellington Machine Co., Wellington, O.
Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## Sand & Gravel Plants (Complete)

See Sand Handling Plants

## 12910-11—Sandals (Asphalt)

Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Phila., Pa.

## Sanders (Track)

See Locomotive Sanders

## 12912—Sap Stain Preventive

Church & Dwight Co. ("Zenith," Anti-Sap Stain Powder), 27 Cedar, New York
Mathieson Alkali Works ("Eagle," "Thistle Brand" for Prevention of Sap-Stain or Bluing of Timber), 53 Canal, Providence, R. I.

## 12913— Saponifier

Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.

## 12913a— *Sarcophagi

## 12914— Sash Balance Mfrs.

Caldwell Mfg. Co., Rochester, N. Y.
Coleman Hardware Co. ("The Shumard"), **122 S Michigan av, Chicago, Ill.**

Columbian Hardware Co., Cleveland, O.
Edwards O. M. Co., Inc. (Railroad Car Sash Balance Rollers), Syracuse, N. Y.
Gardner Sash Pulley Co., 15 N Jefferson, Chicago, Ill.
McCord Mfg. Co. (For Car Windows), 2587 E Grand blvd, Detroit, Mich.
National Lock Washer Co., 65 Johnson, Newark, N. J.
Pullman Mfg. Co. ("Pullman" Unit Sash Balances), Rochester, N. Y.
**Stearns E. C. & Co. ("Vanderbilt") 450 Oneida, Syracuse, N. Y.**
Steiner & Voegtly Hdw. Co., 230 Diamond, Pittsburgh, Pa.

## 12915—Sash Bars (Wood & Metal Combined)

Coulson J. W. & Co., Columbus, O.

## 12916— Sash Bolt & Support

Smith & Egge Mfg. Co. ("Kings"), Bridgeport, Conn.
Stolz Jos. & Son, Inc. (Supports), 841 E 136th, New York

## 12917—Sash Bolts (Ventilating)

Gardner Sash Pulley Co., 15 N Jefferson, Chicago, Ill.

## 12917a—*Sash Cord Mfrs. (Steel)

**ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*

## 12918—Sash Cord Mfrs. (Steel Wire)

**AMERICAN STEEL & WIRE CO., (Tinned & Coppered), 208 S La Salle, Chicago, Ill** *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*
Upson-Walton Co., 1294 W 11th, Cleveland, O.

## 12919—Sash, Door & Blind Mfrs.

Firms who have no mark in front of Names and also those indicated by (*) Star are Manufacturers; those indicated by a (†) Dagger are Dealers

### ALABAMA.

BIRMINGHAM—Jenkins Lumber Co.
CULLMAN—*Arnold Casper & Son
FLORENCE—Muscle Shoals Lumber Co.
GADSDEN—*Southern Mfg. Co.
MOBILE—*Turner F. C. & Co.

### ARIZONA.

PHOENIX—Southwestern Sash & Door Co.
TUCSON—*Arizona Lumber & Mill Co.

### ARKANSAS.

BRINKLEY—*Brinkley Car Works & Mfg. Co.
FORT SMITH—*Dyke Bros.
*Kenney Bros. (Wholesale)
*Mechanics Planing Mill Co.
LITTLE ROCK—Abeles C. T. & Co

### CALIFORNIA.

ALAMEDA—*Plummer Geo. E. & Son
ANTIOCH—Antioch Lbr. Co.
BAKERSFIELD—*Union Lumber Co.
BERKELEY—*Bruce Lumber & Mill Co.
EUREKA—*Eureka Sash, Door & Moulding Mills
FORTUNA—Humboldt Milling Co.
FRESNO—*Madary's Planing Mill
HEMET—Spaulding H. H.
HOBART MILLS—*Sierra Nevada Wood & Lumber Co. (Wholesale)
LONG BEACH—Dillman I. M.
LOS ANGELES—*Builders Supply Co
*California Door Co., 237 Central av
*California Planing Mill & Lumber Co.
Consolidated Lumber Co., Watts
*Crown Sash, Door & Mill Co., 2416 McPherson
Duncan D. D. & Co.
Graves Frank, Sash, Door & Mill Co.
Kerckhoff-Cuzner Mill & Lumber Co., 560 S Main
*Los Angeles Planing Mill Co.
*Pacific Coast Planing Mill Co., 3310 S Main
*Pacific Sash & Door Co., 3310 S Main
Raphael H. Co. (Wholesale Dealers)
*Southern California Hardwood & Mfg. Co., 1430 S Alameda
*Standard Door & Sash Co., 830 McGarry
NAPA—*Corlett Planing Mill Co.
OAKLAND — *Burnham-Standeford Co., Wash'n c 1st
*California Door Co., c 16th & Wood
Pacific Coast Lumber & Mill Co. (Redwood & Oregon Pine, etc.), 2d c Grove
PASADENA—Kerckhoff-Cuzner Lumber Co.
*Pasadena Mfg. Co.
PETALUMA—Camm & Hedges Co.
PLACERVILLE—Beach S. G. & Sons
SACRAMENTO—*Burnett & Son
Sacramento Builders' Supply Co.
Sacramento Lumber Co.
Sacramento Planing Mill & Furniture Co.
SAN DIEGO—*Russ Lumber & Mill Co.
SAN FRANCISCO—California Door Co. (Wholesale Mfrs.), 43 Main
California Mill Co., 645 Bryant
California Sugar & White Pine Co., 1st Nat'l Bank bldg
Eureka Sash, Door & Moulding Mills, 1715 Mission
Hammond Lumber Co. (Wholesale Mfrs.), 260 California
Huber & Huber, 23 Spear
Sierra Nevada Wood & Lumber Co.
Wilson Bros. & Co., 110 Market
SAN JOSE—*Chase S. H. Lumber Co.
Hubbard & Carmichael Bros.
*Santa Clara Valley Mill & Lumber Co. (Wholesale)
SANTA ANA—Griffith Lumber Co.
Pendleton S. H. Lumber & Mill Co.
SANTA BARBARA—Union Mill Co.
SANTA CLARA—Pacific Mfg. Co. (Wholesale Mfrs.)
SANTA ROSA—Berka F.
STOCKTON—Simpson Gray Lumber Co.
Stockton Lumber Co.
WEED—*Weed Lumber Co. (California White Pine)

### COLORADO.

COLORADO SPRINGS—Newton Lumber & Mfg. Co.
DENVER—English R. W. Lumber Co.
Hallack & Howard, Lumber Co.
McPhee & McGinnity Co.
GLENWOOD SPRINGS—Glenwood Lumber & Mfg. Co.
PUEBLO—King Investment & Lumber Co.
Newton Lumber & Investment Co.

### CONNECTICUT.

BRIDGEPORT—Burritt A. W. Co., Knowlton & Arctic
Miller Frank Lumber Co.
DANBURY—Armstrong I. & Co.
Foster Bros.
GREENWICH—Greenwich Sash & Door Co.
HARTFORD—Andrews & Peck Co.
MERIDEN—Morehouse Bros. Co.
MIDDLETOWN—Loewenthal Gustav Co.
NEW BRITAIN—Rogers Sash & Door Co.
NEW HAVEN—Clark David H. Co., 166 Brewery
†Connecticut Sash & Door Co., 248 Park
Gibbud M. J. Co., 107 Water
†Greer Lumber Co., 247 Kimberly av
Hawthorne Lewis Co.
Sperry & Amos Co.
NORWALK—*Malkin A. R. & Co.
†Thompson Frederick W. Co.
NORWICH—†Chappel Edw. Co.
Crowell Fred C.
PUTNAM—Wheaton Building Lumber Co.
STAMFORD—St. John Wood Working Co.
TORRINGTON—*Hotchkiss Bros. Co.
WATERBURY—Brass City Lumber Co.
Smith J. E. & Co., 65 Benedict
Waterbury Lumber Co., 107 Meadow
WILLIMANTIC—†Hillhouse & Taylor

### DELAWARE.

DOVER—Hartnett J. A. & Bro.
GEORGETOWN—Thoroughgood Co.
WILMINGTON—Basic Mfg. Co.
*Wilmington Sash & Door Co.

### DISTRICT OF COLUMBIA.

WASHINGTON—Barber & Ross, 11th & G., N W
Barker Geo. M., 649 N. Y. av, N W
Crupper Jos. L., 13th & Ohio av, N W
Dyer William H., 13th c Ohio, N W
Smith Thos. W., 1st & Indiana av, N W
Washington Woodworking Co., 200 12th, N W

### FLORIDA.

APALACHICOLA—*Marshall John & Co.
GREENVILLE—Union Mfg. Co.
JACKSONVILLE — Halseman Julian C. Mfg. Co.
PALATKA—Selden Cypress Door Co. (Wholesale Mfrs.)
PLANT CITY—Roux E. T. & Son

### GEORGIA.

AMERICUS—Americus Construction Co.
ATLANTA—*Phoenix Planing Mill
†Williams S. A. Lumber Co.
AUGUSTA—Augusta Lumber Co.
BURNT FORT—Buie J. C.
CARROLLTON—*New D. F.
CARTERSVILLE—Shaw L. F. & Sons Co.
CEDARTOWN—Hightower Planing Mill
COLUMBUS — Columbus Iron Works (Wholesale Mfrs.)
Dudley Sash, Door & Lumber Co.
Harvey W. T. Lumber Co.
CORDELE—Cordele Sash, Door & Lumber Co.
DALTON—Cherokee Mfg. Co.
Farrar Lumber Co.
DUNWOODY—Cheek J. U.
EAST POINT—East Point Lumber Co.
GRIFFIN—Gresham Mfg. Co.
McDONOUGH—Carmichael Lumber Co.
MACON—Central Mfg. Co.
Massee & Felton Lumber Co,
Willingham Sash & Door Co.
MARIETTA—Black Builders Supply Co.
NEWMAN—Cole R. D. Mfg. Co.
POPE'S FERRY—Dixie Lbr. Co.
ROME—Marshall Mfg. Co.
THOMASVILLE—Kirby Planing Mill Co.
WASHINGTON—Washington Mfg. Co.
WEST POINT—Batson-Cook Co.

### IDAHO.

BOISE—Goreczky A.
Ridenbaugh W. H.
COEUR D'ALENE—Blackwell Lumber Co.

### ILLINOIS.

ALTON—*Ginter-Wardein Co.
Winter H. L. Mfg. Co.
ANNA—Anna Lumber & Mfg. Co.
AURORA—Johns & Brown Co.
BELLEVILLE—Storck Geo. & son Teufel-Kloess Co.
BLOOMINGTON—*Minter Mfg. Co.
*White Sam'l R. Mfg. Co.
CHICAGO—*Anderson & Lind Mfg. Co., 2127 Iowa
Atchison Revolving Door Co., 53 W Jackson
Avondale Sash & Door Co., 3515 Belmont av
Bahe, Edward J 2349 Nelson
Bartelmann R. W. Co., 910 Weed
Behrer & Benson, 1545 E 63d
Bleck Wm. F. Co., 1846 N Lamon av
*Builders' Mfg. Co., 828 N Wells
Builders' Supply Co., 2228 W Madison
†Bursik & Krupka Co., 1919 S Fairfield av
Cairo Wood Products Co., 11 S La Salle
California Mfg. Co., 2243 S Troy
Chicago Millwork Supply Co. (Wholesale), 1404 W 37th
*Chicago Sash, Door & Blind Mfg. Co., 1249 W North av
*Commercial Sash & Door Co., 4914 S Paulina
Cottage Grove Mfg. Co., 3912 Langley av
*Dietsch A. Co., 2640 Sheffield av
*Diouhy Vincent Sash & Door Co., 2138 Laflin
†Dodge H. B. & Co., 332 S Mich. av
Dreiske Wm. D., 3036 N Chicago av
Ehrhart Louis & Son, 2415 Fullerton av
*Englewood Sash & Door Co., 5935 Lowe av

ILLINOIS-CHICAGO—continued

Filer Edw. T., 5503 Wash. bl
Filip Meydrech & Co., 1420 W 21st
†Freese F. E., 3925 Armitage av
*Gardner Mill Co., 2415 Elston av
*Gauger John A. & Co. (Wholesale Mfrs.), 1434 W 22d
Gillespie Jno. Lumber Co., W 22d & Laflin
Gisselbrecht & Sator, 2025 N Mozart
Gosch Bros. & Sons, 6436 Wentworth av
*Harty Bros. & Harty Co., 2100 Loomis
Hegener Rudolph Co., 9246 Harbor av
Heitmann Lumber Co., 5852 S Ashland av
Hess Frank & Sons, 2339 N California av
Hines Edw. Lumber Co., 2431 S Lincoln
Irving Park Sash & Door Co., 4254 N Crawford av
Johnson Jno. L., 4250 Lincoln av
King Patrick J., N Crawford av & Bloomingdale
Kraetzer Co., 1034 W 22nd
*Lockwood & Strickland Co., 49th & Halsted
McEwen Building & Mfg. Co., 828 Wells
McKay Angus Co., 724 S Desplaines
Manhattan Lumber Co., 8338 Coml. av
Melrose Mill Co., 2707 Clybourn av
*Morgan Sash & Door Co. (Sash, Open, Glazed, Doors, Veneered Doors, Blinds & Shutters), 2287 Blue Island av
Morris Wm. & Sons Co., 1000 W 50th
North Side Sash & Door Co., 69 W Washington
North Shore Building Materials Co., 1237 Belmont av
Paine Lumber Co. (Ltd.), 111 W Wash
Peterson C. E. Co., 4914 Wentworth av
Pilsen Sash & Door Co., 2926 W 26th
Radford Sash & Door Co., 1827 Prairie av
Ringwald F. A., 39 S La Salle
*Rinn Philip Co., 719 W Division
Rittenhouse & Embree Co., 3500 S Racine av
***ROBERTS SASH & DOOR CO.**, 920 W 20th
Scheidt Mfg. Co., 4433 N Crawford av
Schroth & Ahrens Co., 1534 S Halsted
Schultz Alfred F., 10220 Vinc av
*Skowronski W. J., 8201 Colfax av
South Side Interior Finish Co., 5837 Laflin
*Standard Sash & Door Co., 5809 S Racine av
Struthers Mill Co., 3345 Grand av
Ullrich August G., 3864 Archer av
Union Interior Finish Co., 5319 S La Salle
*Von Platen & Dick Co., 2248 W Kinzie
Wabash Screen Door Co., 72 W Adams
Wheelock Lumber & Mfg. Co., 1751 N Maplewood av
Whitmore O. S. & Co., 850 N Spaulding av
Wilborn Jas. Jr., 2700 W Superior
Wilson Jas. G. Mfg. Co., 332 S Mich. av
Wright Chas. O., 3368 Elston av

DANVILLE—Lamm Edw. C.
DECATUR—Decatur Lumber & Mfg. Co.
Lyon Geo. S. & Sons Lumber & Mfg. Co.
ELGIN—*Rinehimer Bros. Mfg. Co.
FREEPORT—*Dirksen R. D.
HOOPESTON—Hoopeston Planing Mill Co.
JACKSONVILLE—Crawford Lumber Co.
JOLIET—*Alexander M.
Hacker C. Co.
Joliet Sash & Door Co.
KANKAKEE—Paulissen Mfg. Co.
LA SALLE—Hunter, Stevens & Co.
LINCOLN—Hungerford P. B.
MOLINE—Dimock, Gould & Co.
NAPERVILLE—Schwartz Charles L.
NORMAL—Metcalf E. J.
NORTH AURORA—Hartsburg & Hawksley Co
OAK PARK—Bedard & Morency Mill Co.
OTTAWA—Sanders Bros. Mfg. Co.
Sinnott Bros.
PEKIN—Conklin-Reuling Co.
PEORIA—Best Mfg. Co.
Rogers Jas. T. & Co.
Rothan Geo. J.
Todhunter & Edmondson Co.
Wahlfeld Mfg. Co.
PERU—Maze W. H. Co.

QUINCY—Menke-Grimm Planing Mill Co.
Schutte Henry Sons
ROCKFORD—Rockford Builders' Supply Co.
ROCK ISLAND—Rock Island Sash & Door Works
Rock Island Wood Works
Volk Jno. & Co.
SPRINGFIELD—Power Chas. A.
STREATOR—Schlachter Philip Jr.
WAUKEGAN—Dow William H. Mfg. Co.
WEST CHICAGO—West Chicago Sash & Door Mfg. Co.

## INDIANA.

ANDERSON—Atherton M. Sons
Salling N. P.
BERNE—Berne Lumber Co.
Gilliom Lumber Co.
BLOOMINGTON—Fulwider W. A. Co.
Lanum S. O. Planing Mill Co.
BOONVILLE—White C. P. Lumber Co.
BRAZIL—Halstead J. N. Lumber Co.
Wilder E. D. & Co.
BROOKVILLE—Fieber & Holmes
CANNELTON—Cannelton Planing Mill Co
COLUMBUS—Dunlap & Co.
Hege & Co.
CRAWFORDSVILLE—Smith & Duckworth
DECATUR—Kirsch Peter
ELNORA—Meicheimer G. T.
EVANSVILLE—Cottage Building Co.
Evansville Planing Mill Co.
Evansville Sash & Door Co. (Wholesale Mfrs.)
McFerson & Foster Co.
Mechanics' Planing Mill Co.
Rechtin T. E.
FORT WAYNE—*Fort Wayne Builders Supply Co.
Fort Wayne Lumber Co.
Rhinesmith & Simonson
FRANKFORT—Deming & Thompson Co.
Kramer Bros. Co.
GARRETT—Allman N. R. & Sons
GOSHEN—Goshen Sash & Door Co.
GREENCASTLE—Grubb Geo. W.
HUNTINGTON—Kenower John & Sons
INDIANAPOLIS—Adams-Rogers Co.
*Balke & Krauss Co.
Brannum-Keene Lumber Co.
Capitol Lumber Co.
Carter-Lee Lumber Co., 1621 W Washington
*Dynes-Pohlman Lumber Co.
Eaglesfield & Shepard
Foster R. S. Lumber Co.
Indianapolis Mfrs' & Carpenters Union
†Maas-Neimeyer Lumber Co.
Wilkinson Allen A. Lumber Co (Wholesale Mfrs.)
JASPER—Schaaf & Schnaus Mfg. Co.
KOKOMO—Armstrong, Landon Co.
*Moore & Danner
LADOGA—*Huntington & Son
LAFAYETTE—*Lafayette Lumber Co.
LA PORTE—*La Porte Sash & Door Co
LEBANON—Campbell-Smith-Ritchie Co.
LEWISVILLE—Smith R. R. Sons
LOGANSPORT—Parker & Johnston
MICHIGAN CITY—Root Mfg. Co.
NEW PALESTINE—*Madison Jas.
NORTH VERNON—*Miller J. H.
PRINCETON—Ford Lumber Co.
RICHMOND—Advance Co.
Louck & Hill Co.
SEYMOUR—Carter, Travis Co.
Seymour Planing Mill Co.
SOUTH BEND—Donahue J. E. Lumber Co
Eckler Henry Mfg. Co.
Indiana Lumber & Mfg. Co.
McErlain & Jackson Co.
TELL CITY—*Tell City Planing Mill
TERRE HAUTE—Kintz P. C. & Sons
VALPARAISO—*Bell E. A.
WABASH—Smith Hubbard Lumber Co.
WARSAW—Peterson Lumber Co.
WASHINGTON—Cosby Overton M.
*McKernan Hugh

## IOWA.

BOONE—Wester S. J. Mfg. Co.
BURLINGTON—Nairn, Gillies Co. (Wholesale Mfrs.)
CALMAR—Calmar Mfg. Co.
CEDAR FALLS—Weisbard C. C.
CEDAR RAPIDS—Cedar Rapids Sash & Door Co.
Disbrow Sash & Door Co. (Wholesale Mfrs.)
Williams & Hunting Co. (Sash & Mouldings)
CHARLES CITY—*Smith George P. Co.
CLINTON—Curtis Bros. & Co. (Wholesale)
DAVENPORT—Gordon, Vantine Co.
*McClelland T. W. Co. (Sash & Doors Only)
DES MOINES—Carr & Baal Co. (Wholesale Mfrs.)
Loetscher & Burch Mfg. Co.
DUBUQUE—*Carr-Ryder & Adams Co. (Whol.)
Farley & Loetscher Mfg. Co. (Wholesale Mfrs.)
Metz Mfg. Co.
KEOKUK—Carter Mfg. Co.
LYONS—Disbrow M. A. & Co.
Garmo Co.
MUSCATINE—Huttig Mfg. Co. (Wholesale)
*Roach & Musser Co. (Wholesale Mfrs.)
OTTUMWA—*Snook & Sons
SIOUX CITY—Carlson John L.
*Curtis Sash & Door Co. (Wholesale Mfrs.)
National Wood Works
Soiset Bros.
Turlack & Crookham
WATERLOO—Nauman Co.

## KANSAS.

ATCHISON—Carlise-Pennell Lumber Co.
Kaaz Mfg. Co.
FORT SCOTT—Ireland & Rollings
HUTCHINSON—Hutchinson Lumber & Planing Mill Co.
*Snyder Co.
INDEPENDENCE—Uhrich Mill Work Co. (Special Contracts)
LEAVENWORTH—Goodjohn Sash & Door Co.
TOPEKA—*Central Sash & Door Co.
WICHITA—*United Sash & Door Co.
*Wichita Sash & Door Co.

## KENTUCKY.

BOWLING GREEN—*Kister F. L., Jr.
Roemer Bros.
COVINGTON—Hellman Jas. A., 33 W 8th
Hellmann Lumber & Mfg. Co.
HENDERSON—Johnson P. P. & Son
HOPKINSVILLE—*Forbes Mfg. Co.
LEXINGTON—Jackson J. T. Lumber Co.
*Spotswood E. R. & Son
LOUISVILLE—*Central Planing Mill & Lumber Co.
Fry Planing Mill Co.
†Hughes W. J. & Sons Co.
*Struck Alfred Co. (Wholesale Mfrs.)
MOUNT STERLING—Star Planing Mill Co.
NEWPORT—*Voss Frank
*Weingartner's Joseph Sons

## LOUISIANA.

LAKE CHARLES—Lake Charles Planing Mill Co., Ltd.
Hayslip & Dear
LUTCHER—*Lutcher & Moore Cypress Lumber Co. (Ltd.) (Wholesale Mfrs.)
NEW IBERIA—*Trainor's O. J. Son
NEW ORLEANS—*Algiers Sash & Planing Mill, 429 Patterson
Allied Building Council Sash & Door Div., 826 Perdido
*American Mfg. Co., 2101 Louisiana
*Berwick Lumber Co. (Ltd.), Clio & Freret
Claiborne Avenue Sash Factory Co., 2460 N Claiborne
*Crescent City Mfg. Co. (Ltd.), 628 Tchoupcialize
*Lagasse Paul, 826 9th
*National Sash & Door Co., N Dupre & Toulouse
PATTERSON—Riggs Cypress Co. (Ltd.) (Cypress) (Wholesale Mfrs.)
SHREVEPORT—*Allen Mfg. Co. (Ltd.)
*Hardman C. C. Co.
Roberts-Brown Lumber Co. (Ltd.)
Victoria Lumber Co. (Ltd.)
WEST MONROE—West Monroe Mfg. Co. (Ltd.)

## MAINE.

BATH—*Passmore H. T.
BELFAST—*Durham J. C. Co.
*Mathews Bros.
CAMDEN—*Camden Lumber Co.
DEXTER—Eldridge Bros.
PORTLAND—†Brown Co.
†Farnham H. F. Co.

## MARYLAND.

BALTIMORE — Baltimore Lumber Co., 1131 Watson
*Balto Sash & Door Co. (Wholesale Mfrs.), Howard & West
*Dorsey Wm. C., Highland av & Phila. rd
†Foster James P. & Co., 115 S Frederick
Gilbert J. L. & Bro. Lu[illegible] Co., East Falls & Eastern av
Hanneman Aug., Milto[illegible] v & Monument
Heise & Bruns Mill & Lumber Co., 600 S Caroline
†Keen W. F. & Co., 4317 York rd
Lafayette Mill & Lumber Co., Lafayette av & P. B. & W. R. R.
Mottu Theo & Co., 1022 Penna av
Scherer Wm. C. & Co., 810 W Balto
Short John H. & Sons, 5 Uhler
Thomas Jos. & Son, 836 Leadenhall
Tinley Bros. Co., Bush & Nanticoke
Waggner Lewis Co., Wolfe & Thames
Waters Geo. E. & Co., 922 Park av
CHESTERTOWN—*Culp W. S. & A. M.
CUMBERLAND — †Cumberland Sash & Door Co.
ELKTON—†Keys & Miller Lumber Co.
FREDERICK—Bowers W. D. Lumber Co.
Wilcoxon & Brown
HAGERSTOWN—Danzer Lumber Co.
HAVRE DE GRACE—†Dubois Jno. E.
LAUREL—†Shaffer C. F. Lumber Co.
LUKE—*Sigler Wm. T.
SALISBURY—*Adkins E. S. & Co.
Salisbury Woodworking Co.
†Williams L. E. & Co.
SNOW HILL—†Corddry Co.

## MASSACHUSETTS.

ADAMS—†Arnold Wm. H.
†Holden M. J. Lumber Co.
ATHOL—*Raymond Alfred J.
*Tyler A. F. Co.
AYER—†Phelps Levy W.
BARRE PLAINS—*Rich T. E. Co.
BOSTON — *Brockway-Smith Corp., 98 Canal
†Carlisle-Ayer Co., 42 Washington, N
†Carlisle E. A. & Pope Co., 98 Canal
*Chapman H. B. Co., 81 Bristol
*Cutter & Smith Co., 2176 Washington, Rox
*D'Arcy & Sons Co., 61 Washington, N
†Elms H. E. & Co., 22 Washington, N
*Farrell C. H. & Co., 6 Northampton
†Hastings A. W. & Co., 134 Friend
†Jackson & Newton Co., 105 Portland
*Johnson Thos. J. & Co., 896 Washington
*Newton F. C., 57 Bristol
*STEARNS A. T. LUMBER CO., 100 Taylor, Neponset
*See adv index at end of book*
*West End Sash Co., 51 Beverly
BROCKTON—Mitchell Isam & Co.
†Taunton Lumber Co.
CLINTON—*Fuller Wm. A.
†Howe N. L.
FALL RIVER—†Borden, Cook & Co.
†Nell[illegible] C. Hardware C[illegible] Dealers)
†Prosser Wm. & Son
FITCHBURG—†Lawrence Harry A. & Co.
*Priest C. A. Lumber Co.
†Webber Lumber & Supply Co.
GARDNER—Favor Frank M.
GLOUCESTER—†Nauss L. B. Sons
HAVERHILL—†Chase D. D. Lumber Co.
†McGratty & Wheeler
HINGHAM—Whitney Everett E.
HOLYOKE—*Ely Lumber Co.
*Merrick Lumber Co.
*Ranger Casper Lumber Co.
HUDSON—†Robertson & Larkin
HYDE PARK—*Hodkinson J. & Son
LAWRENCE—*Briggs & Allyn Mfg. Co.
†Lawrence Lumber Co.
LOWELL—†Bennett J. C.
*Pratt Amasa Co.
LYNN—*Brockway-Smith Corp'n
†Hutchinson Lumber Co.
MALDEN—†Kaulbach W. S.
§Malden City Lumber Co.
MARBLEHEAD—*Bowden Thos. J. & Son
MIDDLEBORO—†Sears Lumber Co.
NATICK—Fiske Corp.
NEW BEDFORD—*Blossom Bros.
*Greene & Wood
†Nicholson John G.
†Sherman James L.
NORTH ADAMS — *Dibble (The), S. B. Lumber Co.
NORTHAMPTON—†Merrick Lumber Co.
PITTSFIELD—†Berkshire Lumber Co.
*Blakeslee Lumber Co.
*Faulkner Lumber Co.
†Ferry C. S. & Son
PLYMOUTH — †Atwood Robbins Lumber Co.
PROVINCETOWN—†Dyer B. H. & Co.
SOMERVILLE—†Davenport-Brown Co.
SOUTH HADLEY—*Howard, Gaylord & Co.
SOUTH HADLEY FALLS—†Street Lumber Co.
SPRINGFIELD—†Decker E. S.
*Hampden Lumber Co.
*Walker T. M. Co.
TAUNTON—†Sanders Lumber Co.
*Williams A. G. & Co.
TURNERS FALLS — †Bartlett Joseph F.
WAREHAM—†Gifford Prince
WEBSTER—†Pattison Louis E.
WESTFIELD—†Merrick Lumber Co.
WILLIAMSTOWN—†Moore Fred'k E.
WORCESTER—Adams & Powers Co.
Hatch & Barnes Co.
Stevens F. O.

## MICHIGAN.

ALBION—†Wilder S. A. & Son
ALPENA—*Gebhardt, Morrow & Co.
ANN ARBOR—Luick Bros. & Co.
BATTLE CREEK—†North & Strong Lumber Co.
*Rathbun & Kraft Co.
BAY CITY—*Lamont Matthew Sons Co.
Lewis Mfg. Co.
Wolverine Lumber Co.
BIG RAPIDS—*Jones & Green
BRIGHTON—†Hyne F. T. & Son
CADILLAC—Cadillac Lumber Co.
Haynes Bros. Co.
CALUMET — *Armstrong-Thielman Lumber Co.
CHARLEVOIX—*Charlevoix Lumber Co.
CHEBOYGAN—*Cheboygan Mfg. Co.
COLDWATER—[illegible]ck S. & Son
DETROIT—Armstrong A. R., 148 W Kirby
*Beyster John, 875 W Fort
De Man Bros. Co., 416 Maybury av
Frohlich Glass Co., Larned & Shelby
*Hertz & Hosbach Co., 4th & Holden
*Huebner Mfg. Co., 1728 Mt. Elliott
*Hurd W. F. Co., 200 Campbell av
*Japes Frank Co., 8th & Plum
*Kotcher C. W., 649 Gratiot av
*Lowrie & Robinson Lumber Co., 2569 Jefferson av W
*Munroe Wm. Co., 994 Scotten av
*Sibley F. M. Lumber Co., Kercha[illegible] & Beaufault
*Weber J. F. & Co., 304 Gratiot av
FLINT—†Randall Lumber & Coal Co.
FOSTER CITY—*Morgan Lumber & Cedar Co. (Sash, Open, Glazed, Doors, Veneered Doors, Blinds & Shutters)
GRAND RAPIDS—Edge Benj. F.
Grand Rapids Lumber Co. (Wholesale Mfrs.)
Jeltes, Stuck & Sons
Letellier F. & Co.
Stiles Bro[illegible]
HARBOR BEACH—*Wellock Robinson
HOUGHTON—*Pryor James & Son
IRON MOUNTAIN—†City Lumber Yard
KALAMAZOO—*Dewing & Sons
LANSING—*Rikerd Lumber Co.
LUDINGTON—†Cartier A. E. Sons Co.
*Widmark H. P. & Son
MARCELLUS—*Hoover H. J.
MARINE CITY—†Zimmerman Bros.
MARQUETTE—Consolidated Fuel & Lumber Co.
MENOMINEE—†Gibout L. E.
*Kartheiser Frank
MONROE—†Beck C. F. & Son Co.
MUSKEGON—*Langeland Mfg. Co.
NADEAU—*Jean Augustine
OWOSSO—†Sturtevant & Blood Co.
PAW PAW—Free & Mutchler
PONTIAC—Pontiac Planing Mill Co.
Slater Construction Co.
PORT HURON—†Boyce Hardware Co.
*Home Mfg. Co.
ST. CLAIR—*Mills N. Lumber Mfg. Co.
ST JOSEPH—†Wallace Jno. Sons Co.
SAGINAW—Booth & Boyd Lumber Co.
Hardin Co.
Jackson Thos. & Co. (Ltd.)
Mershon John D. Lumber Co.
Polson Wm. & Co.
SAULT SAINTE MARIE—*Lock City Mfg Co.
SEBEWAING — *Sebewaing Lumber & Mfg. Co.
SHELBY—†Rankin A. J.
SPRINGPORT—†Hoag & Houseman
TRAVERSE CITY—*Greilick Mfg. Co.
WALDRON—*Abbaduska E. T.

## MINNESOTA.

ADRIAN—†Shull J. & W. C.
BLOOMING PRAIRIE—†Solberg A. Lumber Co.
CLOQUET—*Cloquet Lumber Co.
†Loisel Jos.
*Northern Lumber Co.
DULUTH—Baxter Sash & Door Co.
Duluth Lumber Co.
Scott-Graff Lumber Co. (Wholesale Mfrs.)
*Wallinder E. G.
*Woodruff Lumber Co.
FERGUS FALLS—*Fergus Mfg. Co.
FRANKLIN—†Hauser Lumber Co.
MINNEAPOLIS—*Bardwell-Robinson Co., 24th av N & 2d
Bruer Bros. & Co., 2836 Lyndale av S
*Carlson Aaron, 15th av, nr Central av
Carr-Cullen Co., 10th av N E & Marshall
Fulton C. K. & Co., 1428 2d N
Hennepin Sash, Door & Lumber Co., Emerson av & 29th
*Johnson H. S. Co., 18th av cor Marshall
Johnson M. L. & Sons, 18th av N E & Marshall
*Kuhn Sash & Door Co., 204 N E 7th
Lawson & Nelson Sash & Door Co., 16 Western av, Minneapolis, Minn.
Luce Bros., 214 19th av N
†McDonald John F. Lumber Co. Lumber Exchange
*Minneapolis Sash & Door Co., 962 Central av N E
Nicollet Sash & Door Co., [illegible]ol let av
†North Side [illegible] & Door Co., 2328 N[illegible]
[illegible]nford & Wright Co., 528 Lumber Exchange
Ross H. W. [illegible]
*Simonson Bro[illegible] 1 7th
Smith Sash & Door Co., 112 E [illegible]ke
*Smith & Wyman Co., 2d av & 8th
*Union Sash & Door Co., 213 S 8th
Wheeler-Osgood Co., Security bldg
*Wilcox Bros. Lumber Co., 930 M[illegible] shall N E
MORRIS—†Jones Edw. J. Lumber Co.
RED WING—*Betcher Chas. Lumber C
ROCHESTER—†Dodge Lumber &
ST. CLOUD—Dunnewold & [illegible]
Foltmer Peter M.
*Wright F. M.
ST. PAUL—*Brooks Bros., 1923 University av
†Hardwood Door Co., 160 W 5th
*Osgood & Blodgett Mfg. Co., Duluth av & E 7th
*Villaume Box & Lumber Co., Chicago Indiana avs & Walter
SAUK CENTER—Independent Lumber & Coal Co.
SOUTH STILLWATER—Anderson Lumber Co.
STILLWATER—*Stillwater Mfg. Co.
THIEF RIVER FALLS—*Thief River Falls Lumber Co.
WARREN—†Robertson Lumber Co.
WINONA—*Schroth & Ahrens Co. (Wholesale Mfrs.)

## MISSISSIPPI.

CORINTH—†Pocahontas Lumber Co.
JACKSON—*Cambre Bros.
*Enochs Lumber & Mfg. Co.
†Jackson Lumber Co.
MERIDIAN—*Bostick Lumber & Mfg. Co.
VICKSBURG—*Curphey & Mundy
†Mississippi Lumber Co.

## MISSOURI.

BOWLING GREEN—†La Crosse Lumber Co.
BUTLER—Logan-Moore Lumber Co. (See Kansas City)
Wyatt H. S.
CANTON—Canton Lumber Co.
CARTHAGE—*Home Lumber Co.
†Thomas B. F. Lumber Co.
FARMINGTON—*Doughty D. J.
†Lang & Bro. Mfg. & Merc. Co.
FREDERICKTOWN — †Fredericktown Lumber Co.

MISSOURI—continued
GLASGOW—*Rall Bros.
HANNIBAL—Conlon John J.
*Meyer J. F. Mfg. Co.
KANSAS CITY—*American Sash & Door Co. (Wholesale Mfrs.)
†Badger Lumber Co., 3401 E 15th
†Byrne J. M. Lumber Co.
Clark & Bates Lumber Co., Commerce bldg
†Deatherage Lumber Co., R. G. Long bldg
†Dierks Lumber & Coal Co., Gates bldg.
†Dierks & Sons Lumber Co., 19th S E cor Woodland
Federal Sash & Door Co., 18th & Wabash av
†Foster Lumber Co., R. A. Long bldg
*Huttig Mill Work Co. (Wholesale Mfrs.)
†Lee & Lyman Lumber Co., 2425 E 18th
Logan-Moore Lumber Co.
*Lovejoy Planing Mill Co., 823 E 17th
†Merill J. W. Lumber Co., S W blvd & Summit
†Shutter S. Z., 25th c Grand
Weis Henry Cornice Co. (All Steel)
LOCKWOOD—†Eaton W. R. Lumber Co.
LOUISIANA—La Crosse Lumber Co.
MOBERLY—†Mounce D. H. & Co.
NEVADA—†Robinson J. B. & Son
ST. JOSEPH—†Badger Lumber Co.
†Biles N. D. & Co.
*†Collier-Adams Mfg. Co.
†Dougherty & Moss Lumber Co.
†Nold C. H. Lumber Co.
†St. Joseph Lumber Co.
ST. LOUIS—*Banner Sash & Door Co., 8025 S B'way
*Carondelet Planing Mill Co., 5826 S B'way
*Crescent Planing Mill Co., 3227 N 9th
*Darr J. M. & Sons Planing Mill Co., 1317 Kentucky av
*Gaus Henry & Sons Mfg. Co., Main & Clinton
*Gravois Planing Mill Co., Minnesota & Juniata
*Hafner Mfg. Co. Main & Dock
*Huttig Sash & Door Co. (Wholesale Mfrs.), 1200 S Vandeventer
*Imse-Schilling Sash & Door Co., 21st & Papin
Lohse Patent Door Co.
*Maplewood Planing Mill & Stair Co., 2718 Sutton av
*Olcott Chas. A. Planing Mill Co., 3300 N B'way
*Reed & Steeger Sash & Door Co., 4211 Chippewa
Riddle-Rehbein Mfg. Co., 13th & O'Fallon
*St. Louis Lumber Co., 2509 S B'way
*St. Louis Sash & Door Works, B'way & Destrehan
*Theiling-Lothman Mfg. Co., 3810 N 9th
Thomsen Planing Mill Co., 1700 Vandeventer av
*Thuener Chas. Planing Mill Co., Prairie & Lucky
SPRINGFIELD—*Davis Planing Mill Co.
†Hatten I. E., Lumber & Supply Co.

## MONTANA.

ANACONDA—*Anaconda Copper Mining Co.
BILLINGS—†Billings Lumber & Coal Co.
BUTTE—Carroll J. T. Lbr. Co.
Western Lumber Co.
KALISPELL—Kalispell Lumber Co.
*McMannamy Wm. P.
MILLTOWN—Western Lumber Co.
MISSOULA—*Missoula Lumber Co.

## NEBRASKA.

FREMONT—Reckmeyer W. R.
GRAND ISLAND—*†Hurst Sash & Door Co. ("Ever Willing")
HASTINGS—*Central Nebraska Millwork Co.
KEARNEY—†Gilcrest F. H. Lumber Co.
LINCOLN—*Curtis Towle & Paine Co. (Wholesale Mfrs.)
Searle & Chapin Lumber Co.
OMAHA—Adams & Kelly Co.
Bloom Alfred Co.
Disbrow M. A. & Co.
Omaha Wood Working Co.
SOUTH OMAHA—†Bradford Louis Lumber Co.
†Howland E. H. Lumber & Coal Co.
†Watkins J. B. & Co.

## NEVADA.

VERDI—*Verdi Lumber Co.

## NEW HAMPSHIRE.

CENTER OSSIPIE—*Smart C. E. & H. P.
CONCORD—*Carpenter Wellington
†Drake Clifton W.
FARMINGTON—†Mooney Frank E.
GOFFSTOWN—Kendall Hadley & Co.
LAKEPORT—†Boulia-Gorrell Co.
LANCASTER—†Smith Frank Co.
*Thompson Mfg. Co.
LEBANON—*Spencer Bros.
LITTLETON—†Littleton Lumber Co.
MANCHESTER—*Derryfield Co.
*Hodge Jeremiah Co.
†Hubbard Sash, Door & Lumber Co.
NASHUA—*Gregg & Son
PENACOOK—†Rolfe C. M. & A. W.
ROCHESTER—†Rochester Lumber Co.

## NEW JERSEY.

ASBURY PARK—*Asbury Park Mill Co.
*Buchanon & Smock Lumber Co.
ATLANTIC CITY—*Somers Lumber Co.
BAYONNE—Prospect Planing Mill Co.
BELLEVILLE—Carragher F. J.
BOGOTA—*Wolfe J. N.
BRIDGETON—*Loper Eli & Son
BURLINGTON—*Severns J. T. Sons & Co.
CAMDEN—*Coles C. B. & Sons Co.
*Cooper Wm. J. & Co.
†Fredericks Wm. H.
EAST ORANGE—*Curtis Bros.
ELIZABETH—*Elizabeth Sash, Door & Supply Co
FRENCHTOWN—†White Charles
GRANTWOOD—Grantwood Moulding & Trim Co.
GUTTENBERG—Cade John R. & Son
HACKENSACK—†Young Frank
HOBOKEN—Davis-Speyer Co.
*Gahagan's J. Sons
†Kortlang Charles
HOMESTEAD—Hollingshead-Kernan Co.
IRVINGTON—Schill Fred'k & Co.
JERSEY CITY—*Barnes Mfg. Co., W End
*Heller C. Sons, 49 Cambridge av
Hoe Richard J. C., 78 Lake
*Prospect Sash Door Co., 137 Palisade av
*Summit Door Co., 73 St. Paul's av
*Tuzik Michael, Canal
Woodhouse John H., 1 Bishop
MADISON—†Smith Joseph M. Co.
MANASQUAN—†Taylor W. P.
MATAWAN—†Bailey Wm. D. Co
MILLVILLE—*Kimball & Prince Lumber Co.
MONTCLAIR—*Lyman Jno. T.
MOORESTOWN—†Collins John S. & Son
MORRISTOWN—†Ennis C. W. & Co.
†Mills Geo. A. Wood Working Co.
NEWARK—*Barkhorn Wm. H. Co., 22 Sayre
*Central Woodworking Co., 113 Central av
*Clark & Co., 515 Hunterdon
*Goldingay Bros. Co., 88 E Kinney
*Newark Door Co., 221 Sussex av
½Paxton Wm. L., 128 Wakeman av
*Schill Frederick & Co., 784 Springfield av
NEW BRUNSWICK—Butler-Howell Co.
Cronk Mfg. Co.
OCEAN CITY—Headley & Adams
ORANGE—*Barber Chas. L.
PASSAIC—*Crane Floyd H.
PATERSON—*Florence Bros. Mfg. Co.
*Post M. H.
PHILLIPSBURG— Bachman R. K. & Bro
Laubach C. J. Co.
PLAINFIELD—*McCullough Richard H.
RED BANK—*Waters & Osborn Co.
RIDGEWOOD—*Hutton Isaac E.
TRENTON—*Conner Millwork Co.
VINELAND—*Kimball & Prince Lumber Co.
WASHINGTON—*Alleger's E. W. Son
WESTFIELD—†Tuttle Bros.
WEST NEW YORK—*Gundling B. V. Co
WOODBURY—Woodbury Mill & Lumber Co.

## NEW MEXICO.

ALBUQUERQUE—†Baldridge J. C. Lbr Co.
LAS VEGAS—*Sundt M. M.

## NEW YORK.

ADDISON—*Park, Winton & True Co.
ALBANY—Blakeslee Lumber Co.
Ramsdill & Co.
ALBION—*Mallory C. M.
ALLEGANY—*Hall W. N.
ANTWERP—†Bethel George D.
ARCADE—Arcade Planing Mill Co.
AUBURN—*Koon E. B. & H. J., 31 Mill
BATAVIA—*Batavia & N. Y. Woodworking Co.
BINGHAMTON—*Bartlett & Co.
*Roberson Alonzo & Son
BOSTON—Wurtz L. J.
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Boller Chas. & Sons Co., 379 Chicago
Dohn, Fischer & Beyer
Elias G. & Bros., 965 Elk
Feist John & Sons Co., 115 Ash
Flierl Christian Co., Inc., 1352 Genesee
Hager E. M. & Sons Co., 141 Elm
Heinrich's Wm. Sons Co., 193 Spring
Iroquois Door Co. (Wholesale Mfrs.)
Montgomery Bros. & Co.
Zeis M. & Son, 200 Cherry
CANTON—Rushton J. W.
CASSADAGA—Knott L. & Co.
CAZENOVIA—*Thayer T. W. Co.
CHAMPLAIN—Earl Jno.
COHOES—*Breault M. Co.
Crandall G. H. Co.
COPENHAGEN—†Carey James
CORNING—*Corning Building Co.
CROWN POINT—*Pond J. E. & Son
DEPOSIT—Deposit Lumber Co.
DEXTER—Dexter Woodworking & Bldrs.' Supply Co.
DUNKIRK—*Madigan Lumber Co.
*O'Donnell Lumber Co.
EAST AURORA—*Peek's S. H. Sons
ELMIRA—*Doane & Jones Lumber Co.
*Spaulding H. C. Co.
FALCONER—*Chautauqua Planing Mill Co.
FRIENDSHIP—*Empire Sash & Door Co
GENEVA—Moore Daniel E.
GLENS FALLS—*Kendrick & Brown Co.
GOWANDA—*Forbush Planing Mill Co.
HAMBURG—Hamburg Planing Mill Co.
HICKSVILLE—*Voigt C. H. (Est. of)
JAMESTOWN—*Nelson & Co.
*Wilson John T. (Est. of)
KINGSTON—*Coutant A. K.
*Palen's H. W. Sons
*Traphagen & Hull Mfg. Co.
†Weeks Theo.
LAWRENCE—*Wood John A. & Son Co.
LEROY—*Lapp Jos.
*Rogers F. C.
LESTERSHIRE—*Lestershire Lumber & Box Co.
LYNONDVILLE—Gray J. C. & Co.
MALLORY—Courbat Geo. A.
MALONE—Kelly Jno. & Son
MONTICELLO—†Smith Isaac O.
MOUNT KISCO—†Turner Jerry B.
MOUNT VERNON—*Burton & Fenton
Cronenberg L. & Sons
NEWARK—Keener S. N. Co.
NEWBURGH—Newburgh Planing Mill Co.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Alpert Woodworking Co., 410 Snediker av
Bayside Sash & Door Co., 806 3d av
†Bossert Louis & Son, 1335 Grand
†Brooklyn Fireproof Sash & Door, 101 Richardson
Brooklyn Lumber Co. (Wholesale Dealers), 452 Hamilton av
Carey Box & Lumber Corp., 634 First av, New York
Clark Jno,. 231 Hopkinson av
*Cropsey & Mitchell, Bay 35th
†Curtis-Brislin Lumber Co., 3290 Atlantic av
Empire City-Gerard Co., 265 Greenpoint av
Entenman A., 669 73d
Gardner David P. & Son, 49 Fleet pl
†Gass John H., 601 Sackett
†Hardy, Voorhees & Co., Met. av
†Hawkins Geo. A., 367 Fulton
†Hitchings Ben G., E 34th, nr Av H
Interborough Sash & Door Co., 340 Junius
†Keshin, Blitstein & Co., Burroughs av
†Levin, Kroneneberg & Co., Van Sinderen av

•Loomis John S. Lumber Co., Baltic & Nevins
†Macauley C. R. Co., 255 18th
†Mayer Michael, 181 Moore
•National Fireproof Sash & Door Co., 499 Stagg
†Newton Albro J. Co., 575 Union
†Orr J. C. & Co., West & Java
Parshelsky Bros., Morgan av & Meserole
Pearson Carl H., 193 Wallabout
Reeb & Dinkins, L. I. R. R. & Dry Harbor rd
Standard Fireproof Sash & Door Co., 16 Eckford
Weinstein Sam'l, 100 Richardson
Weisfeld Bros., 7 McKibbin

**Boroughs of Manhattan and Bronx.**

NEW YORK—Batavia & N. Y. Woodworking Co., Fuller bldg
Beekman Sash Door & Woodworking Co., 259 B'way
†Bronx Sash & Door Co., E Tremont av & 180th
†Carl John H., 510 1st av
•Harlem River Lumber & Wood Working Co., 138th & Gerard av
Hasbrouck Chas. A. & Son, 863 3rd av
†Hogan & Di Genno, 1616 Webster av
Hudson Wood Working Co., 1616 Webster av
†Leslie John, 138 W 15th
Manhattan Wood Working Co., 281 Rider av
•Morgan Co. (Sash, Open, Glazed, Doors, Veneered Doors, Blinds & Shutters), 21 E 40th
•Murray & Hill Co., 1138 St. Nicholas av
†Palens H. W. Sons, 1451 B'way
Potter Jos. R. & Co., 270 W 126th
†Read Charles, 406 W 30th
†Richardson & Dutt, 789 3d av
Rugg C. H. Co., 101 Park av
†Schaettler F., 533 W 34th
Thayer T. W. Co., 18 B'way
Tide Water Bldg. Co., 16 E 33d
Wright Lumber Co., 148 W 38th

**Borough of Queens.**

CORONA—Johnson & Berntson
HOLLIS—Stansbury Jas. H.
LONG ISLAND CITY—Weisberg Baer Co., Blvd
OZONE PARK—†Gillespie Earl A.
METROPOLITAN—†Reich Val E., 1429 Metropolitan av

**(End of New York City)**

NIAGARA FALLS—Haeberle Lumber Co.
NORTH TONAWANDA—•Palmer W. G. Thompson, Hubman & Fisher
OGDENSBURG—Proctor Mfg. Co.
OSSINING—Terwilliger's I. Son
PATCHOGUE—Bailey E. & Sons
PATTERSON—Pendleton & Townsend
PEEKSKILL—Brotherton Wm. Jr.
•Lamos Charles A. Co.
PORT CHESTER—Mertz's Geo. Sons
PORT JEFFERSON—Loper Bros.
POUGHKEEPSIE—Brooks & Co. Lumb's Levi Son
REDWOOD—Cook & Smith
RIVERHEAD—Skidmore Charles
ROCHESTER—Bantleon Bros. Co.
Evans Chas. P.
Goetzman H. W.
Rugg C. H. Co.
Smith Sash & Door Co.
Stalker G. H.
Vogel & Binder Co.
T. JOHNSVILLE—Kneeskern J. H. & Sons
SANDY HILL—Kenyon Lumber Co.
SIDNEY—•Clark G. A. Co.
SYRACUSE—Markert Mfg. Co.
TROY—Madden Lumber Co.
TURIN—•Hughes Hugh
WEBSTER—†O'Dell Bros.
WELLSVILLE—Duke Oak Lumber Co.
YONKERS—•Lawrence Bros.
Mitchell Sam'l P. (Est. of)
•Yerks & Co.

## NORTH CAROLINA.

ASHEVILLE—•Jones Wm. M.
•Westall W. H. & Co.
CLINTON—Clinton Lumber Co.
EAGLE ROCK—Eagle Rock Mfg. Co.
ELIZABETH CITY—Kramer Bros. Co.
HENDERSON—•Watkins Jno. B.
HICKORY—Hickory Mfg. Co.
Hickory Novelty Co.
HIGH POINT—•Snow Lumber Co.
NORTH WILKESBORO—•Wilkesboro Mfg. Co.
RALEIGH—Lassiter C. J.
SANFORD—Sanford Sash & Blind Co.
WELDON—•†Dixon Lumber & Millwork Co.
WILSON—Simms W. W. Co.

## NORTH DAKOTA.

FARGO—•Bowers Bros.
GRAND FORKS—•Turner Jas. & Sons
MINOT—Western Improvement Co. (Wholesale Mfrs.)

## OHIO.

AKRON—Akron Lumber Co.
Lyman Hawkins Lumber Co.
Summit Lumber & Building Co.
ALLIANCE—•Stroup L.
•Weybrecht's J. T. Sons
ASHLAND—•Shearer Kagey & Co.
ATHENS—Athens Lumber Co.
Hardwood Finish Co.
BALTIMORE—Buckeye Planing Mill Co.
BELLAIRE—†Anderson & McGregor Co.
•Dubois & McCoy Lumber Co.
BELLEFONTAINE—†Le Sourd A. & Sons
BEREA—†Holmes & Johnson
BLOOMDALE—Linhart S. A.
BOWLING GREEN—•Hankey Lumber Co.
BUCYRUS—•Roehr Co.
BURTON—Johnson C. H.
BUTLER—Winkler W. E.
BYESVILLE—Byesville Planing Mill Co.
Lauer True & Co.
CADIZ—Long E. M. & Sons (Wholesale)
CALEDONIA—Resler J. A.
CAMBRIDGE—•Hoyle & Scott
Hunt W. A.
CANAL FULTON—Kittinger & Stock
CANAL WINCHESTER—Barels Geo. F.
CELINA—Stephenson E. E. Lumber Co.
CHAGRIN FALLS—Rowe & Giles Lumber Co.
CHILLICOTHE—Hertenstein C. A. Lumber Co.
CINCINNATI—Brethauer G. J. Planing Mill Co., 2250 Bogen
Cincinnati Sash & Door Co., 942 W 6th
Dexter Lbr. Co., 4765 Montg'y pk (Norwood)
Ferris Chas. S., 232 McCullough
Griffith Jas. & Sons Co., Reading rd & E 12th
Mayer Wm. Co., 646 W 3d
Mills & Ott, 216 George
Rempe F. & Son, 2d National Bank bldg.
Ward-Brock Sash & Door Co., 618-20 Freeman av
Weber Fred & A. Co., 4012 Cherry, Cum'ville
CLEVELAND—†Bohm & Stuhr, B'way & W. & L. E. R. R.
†Cleveland Lumber Co., 8617 Buckeye rd
•Diamond Glass Co., 1447 W 25th
•Lakewood Lumber Co., 10217 Berea rd
•Marquard Sash & Door Mfg. Co., 307 Canal rd
•Ohio Sash & Door Co., 821 Canal Rd.
•Osborne & Flinkers, 10217 Berea rd, N W
•Peters Mill Work & Lumber Co., Carter rd
•Pfeil Chas. J. & Co., 1976 W 3d
•Potter, Teare & Co., 1918 Carter rd
Reaugh Construction Co., 2835 E 51st
Teachout A. Co., 331 Prospect av, N W
•Trebing Mfg. Co., 1000 Center, N W
•Whitmer-Jackson Sash & Door Co. (Whol.), 1996 W 3rd
Zeitz William & Son Co., 1247 Marquette rd, N E
COLUMBUS—Baumann Ferdinand Sons Co., 181 W Main
Bergin M. J. Lumber Co., 225 Dennison av
†Cussins Chas. D. Co., 170 No 3d
Doddington Co., 451 W Broad
Earl Andrew, Hickory & Water
Jones E. J. & Co., 406 W Spring
Linkenheil Planing Mill Co., 182 E. Columbus
Sager A. C., Town & Bell
Snider J. J., Lumber Co., Taylor av
Teachout Sash, Door & Glass Co., 100 W Spring
Throop-Martin Co., 130 E Chestnut
CROOKSVILLE—Spring G. W.
CUMBERLAND—Stevens W. H.
CUYAHOGA FALLS—•Walsh Lumber Co.
DAYTON—Dayton Lumber & Mfg. Co.
Requarth F. A. Co.
•Rouzer John Co., 71 Wyandot
DOVER—Dover Lumber Co.
Wagner Lumber Co.
EATON—Hiestand & Co.
FINDLAY—Fassett M. L.
Parker Lumber Co.
FORT RECOVERY—Wilson W. E. Lumber Co.
FOSTORIA—Eureka Planing Mill & Lumber Co.
•Koss & German Co.
FREDERICKSBURG—Peterman A. J.
FREMONT—Price Lumber & Mfg. Co.
GALION—Galion Lumber Co.
Gledhill A. C.
GALLIPOLIS—O'Dell O. A.
GEORGETOWN—Markley A. G.
GIBSONBURG—Collier Thos. L.
HAMILTON—•Cullen & Vaughn Co. (Mfrs.), 450 Dayton
Dingfelder Wm. S.
HICKSVILLE—Goller Chas. H.
HILLSBORO—Enterprise Planing Mill Co.
HOMEWORTH—•Gross Bros.
JENERA—Steinman Bros. Lumber Co.
KENT—Parsons T. G.
KENTON—Callam John & Co.
LANCASTER—DeLancey Edw.
LEBANON—Monroe & Johnson
LIMA—•Ruhlen & Miller
LOCKLAND—Lockland Lumber Co., Benson & Mill
LORAIN—Lorain Lumber & Mfg. Co.
LOWELL—Lowell Building & Supply Co.
McARTHUR—Lantz I. M.
MALTA—Malta Mfg. Co.
MANSFIELD—Ford S. N. & Co.
MARENGO—Jeffrey A. L.
MARYSVILLE—Robinson & Curry Co.
MIDDLETOWN—Caldwell-Iseminger Co.
NAPOLEON—Thieson & Hildred Co.
NAVARRA—Hug R. & Son
NELSONVILLE—Kreig M. A. & Co.
NEVADA—Orwiler & Armstrong
NEW BREMEN—Heinfeldt Mfg. Co.
Rabe Mfg. Co.
NORWOOD—Lobnitz Co., 1714-22 Cleneay av, Norwood
OLMSTED FALLS—Stokes T. C.
ORRVILLE—Kinney Lumber Co.
OSBORN—Osborn Lumber Co.
PANDORA—Shank D. C. & Co.
QUAKER CITY—Cochran A. & Co.
ST. MARYS—St. Marys Planing Mill Co.
SANDUSKY—Sandusky Sash, Door & Lumber Co.
Schoepfle Mfg. & Lumber Co.
SOMERSET—Snider-Flautt Lumber Co.
SPRINGFIELD—•Springfield Planing Mill & Lumber Co.
STEUBENVILLE—•McFeely Bros.
STOCKPORT—Ellis Walter
STRASSBURG—Weber Planing Mill Co.
SUGARCREEK—Moomaw C. M.
TOLEDO—Campbell Lumber & Mfg. Co.
Collier-Barnett Co.
Goodsell Mfg. Co.
Goulet & Co.
Schroeder C. H. Co.
Western Mfg. Co.
Witker Mfg. Co.
UPPER SANDUSKY—Stephen Lumber Co.
VERMILION—Bachman Conrad
WAVERLY—Gehres Bros.
WILKESVILLE—Strong H. B.
WILLOUGHBY—Jenkins C. C.
WILMINGTON—Fisher Mfg. & Fuel Co.
YOUNGSTOWN—•Heller Bros. Co.
ZANESVILLE—Curtis & Co., 25 8th
Drake Thos. Lumber Co., Lee & Amalia
Herdman Sash, Door & Lumber Co.

## OKLAHOMA.

ENID—Enid Sash & Door Co.
OKLAHOMA—Curtis, Booth & Bentley Co.
Griffith T. A.
•New State Sash & Door Co.
•Oklahoma Sash & Door Co.

## OREGON.

EUGENE—•Midgley George
KLAMATH FALLS—•Goeller J. F. & Son
MYRTLE POINT—†Huling Lundy & Sons
PORTLAND—Acme Planing Mill Co., 841 Macadam
Central Door & Lumber Co., 481 Geisan
Nicolai-Neppach Co., 227 Davis

OREGON-PORTLAND—continued
North Pacific Lumber Co., ft. of Sherlock
Schmitt Frank & Co., E 8th & Yamhill
SILVERTON—*Potter P. W. & Co.

## PENNSYLVANIA.

ALLENTOWN—Albright A. A. & Son
*Butz Frederick & Co.
Kearn & Bro.
Trexler Lumber Co.
*Weil F. W. & Co.
ALTOONA—Fluke J. B. & Son
APOLLO—Wallace W. W. & Co.
ASHLAND—*Bright H. F.
Waldner Adam
ATHENS—Corneby F. G.
BANGOR—*Bangor Lumber Mfg. Co.
**Wise Lumber & Coal Co.**
BEAVER FALLS—*Beaver Falls Planing Mill Co.
*Commercial Sash & Door Co.
*Mitchell J. S. & Sons
BENTON—*Smith R. T. & Son
BERLIN—Fornwald Bros.
BRISTOL—Peirce & Williams
BROOKVILLE—Lucas J. Craig
CARLISLE—Beeten Lumber & Mfg. Co.
CATASAUQUA—*Wint F. W. Co. (Ltd.)
**CHAMBERSBURG — Hollinger Planing Mill Co.**
CHRISTIANA—*Davis Lumber & Planing Mill Co.
CONSHOHOCKEN—*Miller A. L. Co.
CORRY—*Clark Haniel & Son Co.
DUBOIS—Dubois Jno. E.
*Pifers G. W. Sons
Smyers Geo. W.
ELIZABETHVILLE—*Buffington I. T.
ERIE—Constable Bros. Co.
Felheim Lyman Co.
Johnson Lumber Co.
Schroeck Adolph
Shenk Henry Co.
EVERETT—Cottage Planing Mill Co.
FRANKLIN—James Lumber Co.
GETTYSBURG—*Stallsmith Geo. W.
GLEN ROCK—*Glen Mfg. Co.
HANOVER—*Moul C. & Co.
*Rohrbaugh J. F. & Co.
HARRISBURG—Snyder E. C.
HOMESTEAD—Kerr & Ingram
*Hall Geo. M. Co.
KNOXVILLE—*Edgcomb W. H. & Sons
LANCASTER—Draper & Co.
Keystone Planing Mill.
*Wohlsen Planing Mill Co., 417 N Mulberry
LEBANON—*Miller Bros.
LOCK HAVEN—*Hipple Planing Mill Co.
MAUCH CHUNK—Neast Chas. & Co.
MEADVILLE—Bork & Richard
Miller & Devore Lumber Co.
Smith Lumber Co.
MIFFLINBURG—*Miller Enoch
MILLERSBURG—Douden A. Planing Mill Co.
MILTON—Clinger's D. Sons
*Fetter's Jacob Sons
MOSCOW—*Van Brunt C. P. Mfg. Co.
MOUNT CARMEL—*Geiger Lumber & Mill Co.
MYERSTOWN—Loose Charles C.
NEW BETHLEHEM—*Andrews Lbr. Co.
NEW BRIGHTON—McDanel R. B. Co.
NEW CASTLE—*Acme Lumber Co.
New Castle Lumber & Construction Co.
Wallace Bros.
NEWTON—*Watson A. W. & W. M. Co.
NORRISTOWN—*Grater-Bodey Co.
NORTH WALES—*Weber Oliver M. Co.
OIL CITY—Oil City Woodworking & Mfg. Co.
OSCEOLA MILLS—Walker Robert J.
PARKSBURG—*Reid A. P. Estate
PEN ARGYL—*Fitzgerald Speer Co.
PENNSBURG—Pennsburg Mfg. Co.
PHILADELPHIA — Adams Dan'l, 2940 Marshall
Alcott W. K. & Co., 52nd & Lancaster
Berger Gustav, 1143 N Front
Felin Chas. F. & Co., Old York rd & Butler
Fite & Arbelo Co., 20th & Glenwood av
Gerry F. R. Co., 1835 Market
Gibson W. E., 3527 Market
Hall Bros. & Wood, 54th & Lancaster av
Keely S. S. & Sons, Main & Umbria
Penna. Door & Sash Co., 25th & Callowhill
*Swenk, Benson Co., 2305 Cherry
Watson & Robinson, 49 Queen, Gtn.
PITTSBURGH—Commercial Sash & Door Co., Liberty & 33d
Diebold Lumber & Mfg. Co., 93-99 Wabash av
Munhall R. J. Lumber Co., Sidney & Brady
Pittsburgh Hardwood Floor Co., Park bldg
Schultze & Emanuel, 614 3d
Simon's M. Sons, Robinson & Anderson
PITTSTON—*Dershimer & Griffin
Harris A. H.
Patterson J. E. & Co.
Wyoming Valley Lumber Co.
PLATEA—Cook J. W. & Sons
PLYMOUTH—Clark Bros. & Co.
POINT MARION—Clark J. A.
POTTSVILLE—†Ryon Jno. P.
Sailor Planing Mill & Lumber Co.
*Wertley Walter Sons
QUAKERTOWN—Stoneback Howard L.
READING—Penn Planing Mill Co.
†Rummel H. F. L.
REEDSVILLE—Kelley Jos.
RIDGEWAY—*Hyde Murphy Co. (Wholesale)
RIVERSIDE—Hoover Wallace A.
ROARING SPRING—Planing Mill Co.
ROCKWOOD—*Growall J. P.
ROYERSFORD—*Bush Bros.
SAYRE—Hart I. S.
SCRANTON—Ansley Lumber Mfg. Co.
Benore John
Peck-Lumber Mfg. Co.
Washburn, Williams & Co.
SHARON—*Wallis & Carley Co.
SHARPSBURG—†Saint W. J. T.
SLATINGTON—Kern Thomas Lumber Co.
SOUDERTON—*Hemsing & Son
STEELTON—Steelton Planing Mill Co.
SUMMIT HILL—Breslin Andrew
SUNBURY—†Simpson John & Son
TITUSVILLE—Reuting D. F.
TUNKHANNOCK—Harris A H.
TYRONE—*Beyer F. D. & Co.
UNION CITY—*Clark Haniel & Son
WARREN—*Rogers Lbr. Co.
Wetmore L. D. Co.
WATSONTOWN—*Watsontown Door & Sash Co.
WAYNESBORO—*Hess Planing Mill Co.
WAYNESBURG—*Funk J. M.
WEST CHESTER—*Black Planing Mill Co.
WEST NEWTON—Scholl M. F.
WILKES-BARRE—Goff Lumber Co.
*Lee Conrad
*Shepherd Construction Co.
WILLIAMSPORT—Eiswerth Co.
*Sones C. W.
Williamsport Planing Mill Co.
Wood Working & Stair Building Co.
YORK—*Beitzel Jacob & Sons
Noss Herman & Sons

## RHODE ISLAND.

BRISTOL—†Wardwell Lumber Co.
PAWTUCKET—†Cottrel J. T. Co.
†Pawtucket Sash & Blind Co.
†Tingley Frank E.
PROVIDENCE—Evans H. R. & Son, 10 Mathewson
†Harris Wm. M., Jr., 546 Atwells av
†Lansing Lumber Co., 824 N Main
†McGowan Jas. & Co., 14 Exchange pl
*Perkins Bros. Co., 970 Westminster
†Providence Sash & Blind Co., 309 Dean
*Smith E. E. Co., 136 Rhodes
*Vaughn L. Co., 1153 Westminster
WESTERLY—Sherman's R. A. & Sons Co
WOONSOCKET—†City Lumber Co.
Robinson A. M.

## SOUTH CAROLINA.

ANDERSON—*Barton J. E.
†Brissey W. L. Lumber Co.
*Townsend H. C. Cotton Mills.
BEAUFORT—†Christensen N. & Sons
CHARLESTON—*Wetherhorn L. & Son
CHERAW—*Cheraw Sash, Door & Lumber Co.
COLUMBIA—†Brown C. O. & Bro.
†Shand Builders' Supply Co.
**†Thomas H.**
GREENVILLE—†Morgan, Austin Co.
SUMTER—*Kennedy Brothers
VARNVILLE—*Ginn E. R.

## SOUTH DAKOTA.

DEADWOOD—†Fish & Hunter Co.
MADISON—Colman C. L. Lumber Co.
MITCHELL—†Burns Robert Lumber Co.
SIOUX FALLS—†Ross H. W. Lumber Co
*†Tuthill J. W. Lumber Co.
STURGIS—†Anderson H. O. & Son
*Grams Wm.

## TENNESSEE.

BRISTOL—*Bristol Door & Lbr. Co.
*Cloyd Bros. Co.
*Stone-Huling Lbr. Co.
CHATTANOOGA—*Central Lumber Co.
*Chattanooga Lumber Co.
Chattanooga Sash & Door Co.
*Loomis & Hart Mfg. Co.
CLARKSVILLE—*Smith F. L. Sons
FAYETTEVILLE—*Williams Lumber Co.
HARRIMAN—†Watts J. H.
HUMBOLDT—*Campbell J. E.
†Jarrell B. C. & Co.
KNOXVILLE—*Atkin C. B. Co.
Broadway Mfg. Co.
*Rose D. M. & Co.
Ross Lumber Co.
MEMPHIS—*Cole Mfg. Co.
†Jordan J. P. & Co.
Memphis Sash & Door Co.
*Moore & McFerren
†Southern Lumber Co.
MORRISTOWN—†East Tennessee Wood Working Co.
NASHVILLE—†Beasley & Sons Co.
†Cohn & Goldberg
*Davidson, Hicks & Greene Co.
*De Hart I. N. & Son
*McGinnis & Co.
*Moore Geo. & Sons
†Norvell & Wallace
†Riddle Co.

## TEXAS.

ALBANY—†Rockwell Bros. & Co.
AUSTIN—†Calcasieu Lumber Co.
**†Nalle & Co.**
BEAUMONT—*Georgs C. W. Mfg. Co.
COLORADO—†Burton-Lingo Co.
CORPUS CHRISTI—†Sidbury Lumber Co.
CORSICANA—*Clopton B. M.
DALLAS—†Griffiths & Co.
**†Mayfield M. M.**
DENISON—†Lingo-Leeper Co.
DUBLIN—†Spencer R. B. & Co.
EL PASO—†Bassett O. T. & Co.
†Burton-Lingo Co.
El Paso Sash & Door Co.
FORT WORTH—†Burton-Lingo Co.
†Cameron Wm. & Co.
*Lusher & Rockett
*Owens B. W. Lumber Co.
†Quarles J. E. Co.
†Ripy J. W. & Son
†Smith Cicero Lumber Co.
GALVESTON—†Moore & Goodman
†Schadt Wm.
*Smith J. F. & Bro.
HOUSTON—Bering Mfg. Co.
Houston Co-operative Mfg. Co.
Texas & Louisiana Lumber Co.
Ware Wm. Lumber Co.
NAVASOTA—*Youens J. & Co.
ORANGE—*Miller-Link Lumber Co.
SAN ANTONIO—†Beitel Lumber Co.
†Steves Ed. & Sons
†West End Lumber Co.
SAN MARCOS—†Mead & Eastwood
SHERMAN—†Fielder A. A. Lumber Co.
†Lyon-Gray Lumber Co.
†Wilson J. B. & Co.
TAYLOR—†Thompson J. A.
TEXARKANA—†Hoffman Hardware Co.
WACO—†Brazelton Lumber Co.
*Cameron Wm. & Co.

## UTAH.

OGDEN—†Belnap H. Lumber Co.
†Eccles Lumber Co.
*Humphries C. J.
SALT LAKE CITY—†Felt Lumber Co.
†Morrison, Merrill & Co.
Salt Lake Mill Co.

## VERMONT.

BARRE—†Allen Lumber Co.
BENNINGTON—*Bingham Jos. B.
BRANDON—†Gipson Bros.
BRATTLEBORO—*Holden & Martin Lumber Co.
**†Robbins & Cowles**
BURLINGTON—†Booth J. R.
*Burlington Venetian Blind Co.
†Champlain Mfg. Co. (Sashes)
*Morgan Bros.

HARTLAND—†Martin A. W.
MIDDLEBURY—*Rogers & Wells
POULTNEY—†Ripley Lumber Co.
RICHFORD—*Sweat-Comings Co.
RUTLAND—†Chaffee's F. Sons
†Noyes H. F. (Est. of)
ST. JOHNSBURY — †Caldbeck - Cosgrove Corp.
SOUTH SHAFTSBURY—*Eagle Square Mfg. Co.

### VIRGINIA.

ALEXANDRIA—*Smoot W. A. & Co.
CHARLOTTESVILLE — *Charlottesville Lumber Co.
*King Lumber Co.
DANVILLE—*Danville Lumber & Mfg. Co.
*Heidelbach Lumber Co.
HARRISONBURG—†Bucher Wm. M. & Son
LYNCHBURG—Lynchburg Lumber Mfg. Co.
Peak Lumber Co.
MANCHESTER—†Woodward & Son
NEWPORT NEWS—Richardson R. E.
†Weaver Bros.
NORFOLK—Building Supplies Corp.
Nash C. A. & Son
Sawyer W F. & J. T,
PETERSBURG—†Hargrave W. T.
RICHMOND—†Heppert Jos., 906 Catherine
*Miller Mfg. Co., 7th & Stockton
*Montague Mfg. Co., 4 S 10th
Rubens Paint & Glass Co., Inc.
*Sittering-Carneal-Davis Co., 1601 W Leigh
*Stagg Thos. E & Son, Henrico Co.
†Woodward & Son
ROANOKE—*Central Mfg. Co.
Exchange Lumber Co.
SOUTH BOSTON—†Penick R. A. & Son
STAUNTON—†Livick A. J.
†Worthington Hardware Co.
SUFFOLK—†Allen R. R.
†Folk E. L. Co.
WARRENTON—†Wood P. D. & Co.
WYTHEVILLE—Wytheville Mfg. Co.

### WASHINGTON.

BELLINGHAM—*Whatcom Falls Mill Co.
CENTRALIA — Whistler Porch Column Factory
CHELAN—Higgins W. R.
CHENEY—†Ratcliffe Chas. A.
CLE ELUM—Paul A. S.
COLFAX—Good J. R. & Co.
EVERETT—Builders Supply Co.
*Everett Sash & Door Co.
*Robinson Mfg. Co.
GOLDENDALE—Cameron J. E.
HOQUIAM—*Hoquiam Sash & Door Co.
MONROE—*Wagner & Wilson (Red Cedar, Wholesale Mrfs.)
NORTH YAKIMA—*Cascade Lumber Co. (Wholesale Mfrs.)
OKANOGAN—Dunham W. H.
Ostenberg Chas.
OLYMPIA—*Olympia Door Co.
PRESCOTT—†Geyer John
SEATTLE—Blossom-Provine Lumber Co.
*Boyd Fred. Co.
*Brace & Hergert Mill Co.
*Bryant Lumber & Shingle Mill Co.
Canal Mfg. Co.
City Sash & Door Co.
Commercial Sash & Door Co.
†Curtiss Wm. M. Co., 5016 20th. N W
Daik & Lindberg
Elmer & Moody Co.
*Nordquist & Nelson
Pacific Door & Mfg. Co.
Safety Ladder Mfg. Co.
Standard Sash & Door Co.
*Stetson & Post Lumber Co.
†Williams O. B. Co.
SPOKANE—*Dean Lumber & Fuel Co., Reagal & S. F. & N. Tracks
*Holland-Horr Mill Co.
*King Sash, Door & Lumber Co. (Wholesale Mfrs.)
*Sexton J. F. & Co.
*Spokane Sash & Door Co.
*Springston Lumber Co.
TACOMA—Bismarck Mill Co.
East Tacoma Mfg. Co.
Keystone Lumber Co.
*Pacific Mutual Door Co.
Peterman Mfg. Co.
Tacoma Fir Door Co.
Tacoma Millwork Supply Co.
Washington Mfg. Co.
Wheeler-Osgood Co. (Yellow Fir Wholesale Mfrs.)
WALLA WALLA—†Walla Walla Lumber Co.
*Whitehouse-Crawford Co.

### WEST VIRGINIA.

CLARKSBURG—†Williams Hardware Co.
FAIRMONT—†Dickerson Building Supply Co.
HUNTINGTON—†Emmons, Hawkins Hdw. Co.
KEYSER—*Liller W. A.
Dickerson Lumber Co.
WHEELING—*Beltz J. W. Sons Co.
†Chapman W. H. & Sons
†Klieves Lumber Co.
†Wilson W. A. & Sons (Jobbers)

### WISCONSIN.

APPLETON—†Miller Lumber Co.
†Schlafer Hardware Co.
*Standard Mfg. Co.
ASHLAND—§Scott-Taylor Co.
BAGLEY—†Brodt T. E.
BEAVER DAM—†Roedl & Jacobs Co.
BELOIT—*Cunningham Bros.
BLACK RIVER FALLS—*McGillivray Lbr. & Mfg. Co.
BRILLION—†Brillion Lumber Co.
CEDARBURG—*Hilgen Mfg. Co.
CHILTON—*Dorschel, Kroehnke Lumber Co.
CLINTONVILLE—*Rohrer D. J.
EAU CLAIRE—*Fish E. M. Co.
*Hoeppner-Bartlett J. Co.
FOND DU LAC—†Moore & Galloway Lumber Co. (Ltd.)
*Steenberg O. C. Co.
GILLETT—Gillett Building Supply Co.
GRAND RAPIDS—Ellis E. W. Lumber Co.
GREEN BAY—*East River Planing Mill Co.
*Green Bay Planing Mill Co.
HARTFORD—†Denison & Coerper
†Hartford Lumber Co.
HELENVILLE—†Reul Bros.
JANESVILLE—Cullen J. P. Construction Co.
†Fifield Lumber Co.
KAUKAUNA—*Kaukauna Lumber & Mfg. Co.
KENOSHA—*Grant Planing Mill
LA CROSSE—*Segelke & Kohlhaus Mfg. Co.
LAKE GENEVA—†Wilbur Lumber Co.
MADISON—†Brittingham & Hixon Lumber Co.
†Frederickson A. D. & J. V.
MANAWA—*Little Wolf River Lumber Co.
MANITOWOC—†Manitowoc Bldg. Supply Co.
†Schoch Christ. Lumber Co.
MARSHFIELD—*Bille Hans & Co.
MENASHA—*Menasha Mfg. Co.
MILWAUKEE—*Badger Sash & Door Co., 594 Island av
†Butter Gustav A., 603 Mitchell
*Cream City Sash & Door Co. (Whol.), 601 Park
*Gruhl Sash & Door Co., 195 Stewart
*Interior Woodwork Co., 523 Park
†Meckelburg A. F. Sash & Door Co., 760 31st
†Pederson & Grobben, 594 National av
Rockwell Mfg. Co. (Whol. Mfrs.), 572 Park
†Schmidt W. H. & Sons Co., 52 State av
†Wilbur Lumber Co., Pabst bldg
NEENAH — Hardwood Products Co. (Doors)
OSHKOSH — *Foster Lothman Mills (Wholesale)
*Gould Mfg. Co. (Wholesale)
*McMillen R. Co. (Wholesale)
*Morgan Co. (Sash, Open, Glazed; Doors, Veneered Doors, Blinds, Shutters)
*Paine Lumber Co. (Ltd.) (Wholesale, for the Trade Only)
Radford & Wright Co. (Wholesale)
RACINE—*Driver Thos. & Sons Mfg. Co. (Ltd.)
Dumphy Wm. Mfg. Co.
Racine Puttyless Window Co. ("Puttyless Hotbed Sash")
RHINELANDER—†Lewis Hardware Co.
RICE LAKE—*Rice Lake Mfg. Co.
RIPON—Ripon Veneer & Box Works (C. T. Timm, Prop'r)
SHEBOYGAN—*Mueller H. G. Mfg. Co.
*Sheboygan Woodworking Co.
SPARTA—*Sparta Sash & Door Co.
STEVENS POINT—*Vetter Mfg. Co.
WAUKESHA—*Wilbur Lumber Co.
WAUPACA—†Nelson A. G. Lumber Co.
WAUSAU—Curtis & Yale Co. (Wholesale Mfrs.)
Kuebler J. M. Co. (Wholesale Mfrs.)
WEST ALLIS—*Radcliffe Mfg. Co.

### WYOMING.

RAWLINS—Daley R. A.
†Larsen Hans

## 12920—Sash (English Casement)

International Casement Co., Jamestown, N. Y.

## 12921—Sash (Greenhouse & Hot Bed)

Columbus Iron Works (Wholesale Mfrs), Columbus, Ga.
Hyde-Murphy Co., Ridway, Pa.
Jacobs S. & Sons, 1365 Flushing av, Brooklyn, N. Y.
King Construction Co., North Tonawanda, N. Y.
Lockland Lumber Co., Benson & Mill, Lockland, O.
Lord & Burnham Co., 30 E 42d, New York
Lutton William H. Co., Jersey City, N. J.
Moninger John C. Co., 900 Blackhawk, Chicago, Ill.
Sanders Bros. Mfg. Co., Ottawa, Ill.
Selden Cypress Door Co., Palatka, Fla.
STEARNS A. T. LUMBER CO., 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Sunlight Double Glass Sash Co., Louisville, Ky.
Woodbury Mill & Lumber Co., Woodbury, N. J.

## Sash (Metallic)

See Window Frame & Sash, Metallic

## Sash Opening Apparatus

See Sash Operating Device; also Ventilating Apparatus for Power House, etc.

## 12922—Sash Operating Device

Advance Co. ("Advance" Automatic Roller Bearing), 542 N 14th, Richmond, Ind.
Corbin P. & F., New Britain, Conn.
Dean O. J. & Co., Distributors ("Advance" Automatic Roller Bearing) Association bldg, Chicago, Ill.
Drouve G. Co. ("Straight Push," "Lovell," Worm & Gear), 40 Tulip, Bridgeport, Conn.
Hitchings & Co., 1170 B'way, New York
King Construction Co., North Tonawanda, N. Y.
King Construction Co., 131 State, Boston, Mass.
Lord & Burnham Co., 30 E 42d, New York
Metallic Sash Operator Co., 2233 Chestnut, St. Louis, Mo.
Payson Mfg. Co. ("Harris," "Ideal," "Superior," "Reliance," "Triumph," "Duplex," "Peerless," "Monarch"), 2918 W Jackson blvd, Chicago, Ill.
Richmond Safety Gate Co., Richmond, Ind.
Thorn J. S. Co. ("Brand"), 20th & Allegheny av, Phila., Pa.
Wolf Machine Co., Dayton, O.

## Sash (Steel)

See Window Frame & Sash, Wrought Steel

## Sash (Storm)

See Storm Doors & Windows

## 12923— Sash Weights

American Lead Co. (Lead), 3116 Penn av, Pittsburgh, Pa.
American Mining Tool Co., Ottumwa, Ia.
Bartlett A. F. & Co., Saginaw, Mich.
Bates Elevator Co., 211 Preston, Baltimore, Md.
Blatchford E. W. Co. (Lead), 230 N Clinton, Chicago, Ill.
Boston Sash Weight Co., 79 Mills, Boston, Mass.

Blades that last longer—blades that reduce your cost per cut. Made of the finest grade of steel, milled in such a manner that *every tooth cuts.* Ask for Catalog No. 21 "HG."

**THE L. S. STARRETT COMPANY**

*The World's Greatest Toolmakers*
*Mfrs. of Hack Saws Unexcelled*
**ATHOL, MASS.** 42-42

**Starrett Hack Saws**

SASH WEIGHTS—continued

**BOSWORTH—ARD MACHINE & FOUNDRY CO.,** Anniston, Ala.
Brown E. E., & Co. (Iron), McKean & Meadow, Phila., Pa.
Buchanan Foundry Co., Lebanon, Pa.
Caldwell & Drake Iron Works ("Rohrer's" Sectional), Columbus, Ind.
**Calhoun Foundry Co., Anniston, Ala.**
Canton Sash Weight Co., Canton, O.
Chadwick-Boston Lead Co. (Lead), Boston, Mass.
Connecticut Cord Iron Corp., Norwich, Conn.
Decatur Cornice & Rfg. Co., Decatur, Ill.
Delaware Sash Weight Co., Wilmington, Del.
Detroit Lead Pipe Works (Lead), Detroit, Mich.
De Ved & Sons Sash Weight Co., 807 S Howard, Baltimore, Md.
Drummond Mfg. Co. (Cast Iron), Louisville, Ky.
Dutton E. Q. & Co. (Cast Iron), Cato, N. Y.
Duval Iron Works, Jacksonville, Fla.
Ephrata Foundry & Machine Works, Ephrata, Pa.
Etna Foundry Co., Etna, Pa.
Galena Iron Works Corp., Galena, Ill.
Germania Supply & Fdry. Co., Covington, Ky.
Glascock Stove & Mfg. Co. (Cast Iron Link), Greensboro, N. C.
Grey Iron Casting Co. (Sectional), Mt. Joy, Pa.
Hanson Clutch & Machy. Co., Tiffin, O.
*See adv index at end of book*
Hastings Foundry & Iron Works, Hastings, Neb.
Hubard Foundry & Machine Works, Lynchburg, Va.
Iron City Foundry Co. ("I. C. F." Sectional), Lebanon, Pa.
**JANNEY & COMPANY,** Montgomery, Ala.
*See adv index at end of book*
Johnston & Jennings Co., Addison rd. & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
Keagy & Lear Machine Co., Coshocton, O.
Kings County Iron Foundry Co. (Sectional & Regular), Gardner & Meserole, Brooklyn, N. Y.
Lawrence Shot & Lead Co. (Lead), Omaha, Neb.
Levering Mfg. Co., 210 Key Highway, Baltimore, Md.
Lissberger, Marks & Son (Lead), 281 Borden av, Long Island City, N. Y.
Los Angeles Foundry Co., Los Angeles, Cal.
Menzel & Jeffery Co. (Iron), 317 9th av, Minneapolis, Minn.
Over Ewald (Round & Square, Iron & Lead), Indianapolis, Ind.
Paxton & Verling Iron Works (Iron), Omaha, Neb.
Pugh Foundry Co., 19 W Levee, Kansas City, Mo.
Quinn Wire & Iron Works, Boone, Ia.
Raymond Lead Works (Lead), 735 S Washtenaw av, Chicago, Ill.
Rincon Foundry Co. (Sectional), 351 7th, San Francisco, Cal.
Roanoke Iron & Bridge Works, Inc. (Cast Iron), Roanoke, Va.
Rochester Lead Works (Lead), Rochester, N. Y.
Sanborn Sectional Weight Co., 280 Madison av, New York
Selby Smelting Works (Lead), 201 1st, San Francisco, Cal.
Sprecher's I. G. Sons, Ephrata, N. Y.
Standard Foundry Co., Buffalo, N. Y.
Sybilla Elevator & Mfg. Co., Chattanooga, Tenn.
Tatham & Bros. (Lead), 226 S 5th, Phila., Pa.
Thayer Foundry Co., Atchison, Kans.
Tuscaloosa Iron Works, Tuscaloosa, Ala.
United Lead Co. (Lead), 111 B'way, New York
Waterbury Foundry Co., Waterbury, Conn.
Western Foundry & Sash Weight Co. (Cast Iron), 2d & Miller, St. Louis, Mo.
Western Iron & Foundry Co., Wichita, Kans.
Windsor Mfg. Co. (Lead), 570 Clinton, Milwaukee, Wis.
Withers Foundry & Machine Works, Atlanta, Ga.
York Foundry & Engine Works (Cast Iron), York, Neb.

## 12924—Satchels (Letter Carrier's, Etc.)

American Commercial Corp., 120 B'way, New York

## 12925— Satin White

Kalbfleisch Corp., 31 Union sq. New York
Paper Makers Chemical Co., Easton, Pa.
Providence Drysalters Co., East Greenwich, R. I.

## 12926—Savers (Gasoline Fuel)

Aeroframe Co., Inc., 107 Moss av, Boston, Mass.
Mills Mfg. Co., Sabina, O.
Motor Fuel Savers Corp. ("Standard," For Internal Combustion Engines), 50 Church, New York
National Motor Supply Co., 5604 Euclid av, Cleveland, O.
Stewart Alfred C. Machine Works, Los Angeles, Cal.

## 12927—Saw Benches or Tables

American Sawmill Machinery Co. ("American"), Hackettstown, N. J.
American Wood Working Machinery Co., Rochester, N. Y.
Badger State Machine Co. (Self-Feed Rip, Saw & Combination), Janesville, Wis.
Baker Bros. ("Baker" Universal Saw Bench), Toledo, O.
Baldwin, Tuthill & Bolton (Iron Frame Saw Tables), Grand Rapids, Mich.
Beach Mfg. Co. (Rip & Cut-off), Montrose, Pa.
Carey W. W. Co. (Circular), Lowell, Mass.
Challenge Co., Batavia, Ill.
Chase Turbine Mfg. Co. (Power Feed), Orange, Mass.
Colburn Machine Tool Co. ("Universal"), Ivanhoe rd, Cleveland, Ohio
Colladay Jos. O. Co., 626 Race, Phila., Pa.
Connell & Dengler Machine Co. (Iron or Wood Table), Rochester, N. Y.
Covel Mfg. Co., Benton Harbor, Mich.
Crescent Machine Co. (Combination), Leetonia, Ohio
Dodds Alex. Co. (Circular), Grand Rapids, Mich.
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fay J. A. & Egan Co., Cincinnati, O.
Gallagher Mfg. Co. (Saw Bench, for Metal), Lynn, Mass.
Garfield & Co., 1323 Hearst bldg, San Francisco, Cal.
Gee Chas. E. ("Gee" Single & Adjustable Circular Saw Benches), Lowell, Mass.
Goodspeed Machine Co., Winchendon, Mass.
Grabo E. O. Machine Works (For Metal), 180 Centre, New York
Grand Rapids Hand Screw Co. (Wood Frame), Grand Rapids, Mich.
Greenlee Bros. & Co. (Automatic), Rockford, Ill.
Hall & Brown Woodworking Machine Co., 1929 33 N B'way, St. Louis, Mo.
*See adv index at end of book*
Hildreth Bros. (Tables Only), Harvar,d Mass.
Holmes E. & B. Machy. Co., Buffalo, N. Y.
Hub Machine Welding & Contracting Co. ("Acme" Metal), 450 N 12th, Phila., Pa.
Ireland Machine & Foundry Co. (Saw Tables Only), Norwich, N. Y.
*See adv index at end of book*
Kane & Roach (Circular Saw Tables), Syracuse, N. Y.
Kidder R. E. Co. (Circular, etc), Worcester, Mass.
Murray D. J. Mfg. Co. (Self Feed, etc.), Wausau, Wis.
National Woodworking Machine Co., Dover, N. H.
New Winona Mfg. Co., Winona, Minn.
Oliver Machinery Co. ("Oliver," "Universal" Saw Benches & Tables), Grand Rapids, Mich.
Power L. & Co., 20 S 23d, Phila., Pa.
Pryibil P. Machine Co. (Metal), 520 W 41st, New York
Root B. M. Co., York, Pa.
Royle John & Sons (For Photo Engravers & Electrotypers, Stampmakers, etc), Paterson, N. J.
Sidney Machine Tool Co. ("Famous" Saw Tables and Jointers), Sidney, O.
Silver Mfg. Co., No. 256, Salem, O.
Smith H. B. Machine Co., Smithville, N J.
Standard Saw Mill Machinery Co., Erie, Pa.
Stewart S. A. & Co. (Bench Saw Table), Waltham, Mass.
Tidey M. B., 80 Warren, Newark, N. J.
Tidey F W., Irvington, N. J.
U. S. Machine Co. (Self Feed), Williamsport, Pa.
U. S. Wind Engine & Pump Co. (Horse Power), Batavia, Ill.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Yates P. B. Machine Co., Beloit, Wis.

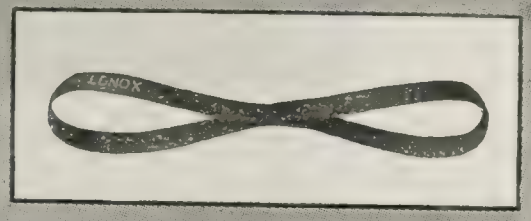
## 12928—Saw Blades (Band & Jig)

Aero Wks., Inc., 89 Warren, New York
Cocker Saw Mfg. Co., Lockport, N. Y.
Crescent Machine Co., Leetonia, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Oliver Machinery Co., Grand Rapids, Mich.
SIMONDS MFG. CO., Fitchburg, Mass.
*See adv index at end of book*
Swett Frank W. & Son, 1716 W Adams, Chicago, Ill.

## 12929— Saw Blades (Cold)

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.

"LENOX"
HACK SAWS
BAND SAWS



AMERICAN SAW & MANUFACTURING CO.
SPRINGFIELD, MASSACHUSETTS U.S.A.

Hunter Saw & Machine Co. (Inserted **Tooth, for Metal Cutting), 57th & Butler, Pittsburgh, Pa.**
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
**SIMONDS MFG. CO., Fitchburg, Mass.** *See adv index at end of book*
Tindel-Morris Co. (High Carbon Crucible Steel Plate with Inserted Teeth), Eddystone, Pa., & Ellwood City, Pa.

## 12930—Saw Blades (Hack, Flexible Back)

Aero Wks., Inc., 89 Warren, New York
Alston Saw & Steel Co., Folcroft, Pa.
American Saw & Mfg. Co. ("Apex," "Lenox"), 69 Boylston, Springfield, Mass. *See adv index at end of book*
Atkins E. C. & Co., Indianapolis, Ind.
**BARNES W. O. CO.,** 1216 Beaubien, Detroit, Mich. *See adv index at end of book*
**Huther Bros., Saw Mfg. Co., Rochester,** N. Y. *See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus, O.
**Napier Saw Wks., Inc. ("Quality" Tungsten Steel, "Expert" Crucible Carbon Steel), Springfield, Mass.**
**Thompson H. G. Son & Co. ("Eureka," "X. L.," "T. T.," "Jeweler"), New Haven, Conn.**
West Haven Mfg. Co. ("Utility"), New Haven, Conn.

## 12931— Saw Blades (Hack, for Metal)

Aero Wks., Inc., 89 Warren, New York
**AMERICAN SAW & MFG. CO.** ("Apex," "Lenox"), 69 Boylston, Springfield, Mass. *See adv index at end of book*
**BARNES W. O. CO.,** 1216 Beaubien, Detroit, Mich. *See adv index at end of book*
**DIAMOND SAW & STAMPING WORKS** ("Sterling"), 357 7th, Buffalo, N. Y. *See adv index at end of book*
Disston Henry & Sons, Tacony, Phila., Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Gladium Co., 127 Duane, New York
**Napier Saw Wks., Inc.** ("Quality" Tungsten Blade, "Expert Crucible" Carbon Blade), Springfield, Mass.
Pittsburgh Gage & Supply Co. ("Damascus"), 30th & Liberty av, Pittsburgh, Pa.
Standard Saw & Tool Mfg. Co., Inc. ("Standard"), 10 Damrell, Boston, Mass.
Thompson H. G. & Son Co., ("Milford," "Eureka," "X. L.," "T. T.," "Jeweler"), New Haven, Conn.
West Haven Mfg. Co. ("Universal" all Hard) ("Utility" Soft Back), West Haven, Conn.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 12931a—Saw Blades in Coils

Aero Wks., Inc., 89 Warren, New York
**AMERICAN SAW & MFG. CO.** ("Lenox"), 69 Boylston, Springfield, Mass. *See adv index at end of book*
**BARNES W. O. CO.,** 1216 Beaubien, Detroit, Mich. *See adv index at end of book*
Napier Saw Wks., Inc. ("Napier" Metal), 40 Napier, Springfield, Mass.
**SIMONDS MFG. CO.,** Fitchburg, Mass. *See adv index at end of book*

## Saw Blades (Stone)

See Stone Saw Blades, Steel

## 12932— Saw Blades & Frames (Hack)

See also Hack Saw Machines

Aero Wks., Inc., 89 Warren, New York
American Saw & Mfg. Co. ("Lenox," "Apex"), 69 Boylston, Springfield, Mass. *See adv index at end of book*
Arcade Mfg. Co., Freeport, Ill.
Armstrong-Blum Mfg. Co. ("Marvel" Draw-cut), 337 N Francisco av, Chicago, Ill.
Atkins E. C. & Co., Indianapolis, Ind.
**BARNES W. O. CO.,** 1216 Beaubien, Detroit, Mich. *See adv index at end of book*
**BLANCKE A. C. & CO.** (Blades of Tungsten Steel), 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Boker H. & Co. ("Intra" Hack Saw Blades), 101 Duane, New York
Boston Saw & Tool Co., Inc., 76 Freeport, Boston, Mass.
Bridgeport Hardware Mfg. Corp. ("Matchless" Adjustable Frames), Bridgeport, Conn.
Buffum Tool Co. ("Swastika" Adjustable Frames Only), South Side, Louisiana, Mo.
Clarke's Saw & Machine Wks., 66 Alpine, Newark, N. J.
Clemson Bros., Middletown, N. Y.
Clemson Knife Co. (Bracket & Butchers' Saws), Woburn, Mass.
**CUTTER & WOOD SUPPLY CO.,** 77 Pearl, Boston, Mass. *See adv index at end of book*
**DIAMOND SAW & STAMPING WORKS** ("Sterling," for Structural Steel Work), 357 7th, Buffalo, N. Y. *See adv index at end of book*
Dikeman Mfg. Co. (Extension Hack Saw Frames), Norwalk, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Goodell-Pratt Co. ("G." "G. P. 888"-"G. P. 777"), Greenfield, Mass.
Grey Iron Casting Co. (Family Hack Saws), Mt. Joy, Pa.
Griffin G. W. Co., Franklin, N. H.
Grover File Co., Nashua, N. H.
Harris Samuel & Co., 114 N Clinton, Chicago, Ill.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Jennings C. E. & Co., 71 Murray, New York

Hack Saw Blades
Tungsten or Carbon
All Hard or Flexible
Band Saws for Metal, Steel Aluminum Brass, All Kinds of Metals

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Adjustable Metal Band Saw Guides

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Used for all classes of work, both for hand frames and power machines

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SAW BLADES & FRAMES (HACK)—cont.

Millers Falls Co. ("Star"), 28 Warren, New York. Works: Millers Falls, Mass.

Montgomery & Co. ("Fulton" Blades), 105 Fulton, New York

Napier Saw Works, Inc. ("Quality"), Springfield, Mass.

Ohlen Bishop Co., 931 Factory, Columbus, O.

Peerless Machine Co., 1619 Racine, Racine, Wis.

Racine Tool & Mach. Co. (Blades Only), Racine, Wis.

Roberson W. Machinery & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.

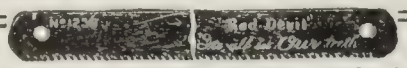
Ross Mfg Co. ("Perfecto" Blades), 1225 Lydia, Kansas City, Mo.

S. & I. Co., Springfield, Mass.

Sawyer Tool Mfg. Co. (Frames), Ashburnham, Mass.

**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*

**SMITH & HEMENWAY CO., INC.** ("Red Devil" Hack Saw Frame), 261 H. B'way, New York; 130 H. Coit, Irvington, N. J.
*See adv index at end of book*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**HARD AND FLEXIBLE**

Made from highest grade steel. Teeth are milled sharp with square cutting points carefully, evenly set at the right pitch to give a smooth, easy, rapid cut and obtaining 30% more work. Also a complete line of "Red Devil" Hack Saw Frames. *Write for descriptive matter and prices.* *Tool booklet on request.*

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New York Sales and Export Office, 261H Broadway, N.Y.
Factory and Main Office, 130H Coit St., Irvington, N. J.


**STARRETT L. S. CO., THE**, Athol, Mass.
*See adv index at end of book*

Thompson H. G. & Son Co. ("Milford" Hack Saw & Blade, and Master Grip Frames), New Haven, Conn.

Union Hardware Co. (Frames Only), Torrington, Conn.

Union Tool Co. (Frames), Orange, Mass.

Victor Saw Wks. ("Victor" Blades Only), Springfield, Mass.

West Haven Mfg. Co. ("Universal," "Utility" Blades, "Easy Grip Extension" Frames), West Haven, Conn.

Williamsburg Mfg. Co. (Frames), Williamsburg, Mass.

Wolverine Saw Co., 66 E Fort, Detroit, Mich.

## 12933—Saw Bucks & Frames

Adams Husker Co. (Cross-Cut Saw Frames), Marysville, O.

Bullock Mfg. Associates (Jewelers'), Springfield, Mass.

Chapin-Stephens Co. (Turning Saw Frames & Saws), Pine Meadow, Conn.

Disston Hy & Sons, Tacony, Phila., Pa.

Galloway Wm. Co., Waterloo, Ia.

Goodell-Pratt Co. (Butchers, Frames), Greenfield, Mass.

Hutchinson Homer H., Bristol, N. H.

Robinson M. W. Co., 296 B'way, New York

**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*

Tucker & Dorsey Mfg. Co. ("Hoosier" Folding Saw Buck), Indianapolis, Ind.

## 12934—Saw Coils (Butchers')

Aero Wks., Inc., 89 Warren, New York

**NICHOLS BROS.** ("Nichols Bros," 50 feet long), Greenfield, Mass.

## Saw Filers & Setters

See Machines, Saw Filing & Setting; also Machines, Saw Sharpening

## 12935—Saw Mill Feeds (Steam)

Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.

Filer & Stowell Co., Milwaukee, Wis.

Pawling & Harnischfeger Co. (Steam Feed Engines), Milwaukee, Wis.
*See adv index at end of book*

Soule Steam Feed Works, Meridian, Miss.

## Saw Mills

See Lumber Manufacturers

## 12936— Saw Mills (Band)

Allis-Chalmers Mfg. Co. (Single & Double Cutting & Telescopic), Milwaukee, Wis.

Clark Bros. Co., Olean, N. Y.

Diamond Iron Works (Single & Double Cutting), 2nd & 18th av N, Minneapolis, Minn.

Filer & Stowell Co., Milwaukee, Wis.

Garland M. Co., Bay City, Mich.

Giddings & Lewis Mfg. Co., Fond du Lac, Wis.

Humphrey Machine Co., Keene, N. H.

Lombard Iron Works & Supply Co., Augusta, Ga.

McDonough Mfg. Co., Eau Claire, Wis.

Manistee Iron Works Co., Manistee, Mich.

Mershon W. B. & Co., Saginaw, Mich.

Murray D. J. Mfg. Co., Wausau, Wis.

Phoenix Mfg. Co. (Portable, etc), Eau Claire, Wis.

Portland Iron Works, 14th & Northrup, Portland, Ore.

Sinker-Davis Co. ("Hoosier"), Indianapolis, Ind.

Stearns Co., Erie, Pa.

Wheland Company, Chattanooga, Tenn.

Woodruff Machinery Mfg. Co., Winder, Ga.

## 12937— Saw Mills (Circular)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

American Saw Mill Machinery Co., Hackettstown, N. J.

Bartley Wm. & Sons (Portable), Bartley, N. J.

Chase Turbine Mfg. Co., Orange, Mass.

Clark Bros. Co., Olean, N. Y.

De Loach Mill Mfg Co., Bridgeport, Ala.

Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.

Emerson-Brantingham Co. ("Reeves," "Geiser Peerless Presses"), Rockford, Ill.

Enterprise Co., Columbiana, Ohio

Farquhar A. B. Co. (Ltd.), York, Pa.

Filer & Stowall Co., Milwaukee, Wis.

Fisher & Davis Mfg. Co., St. Louis, Mo.

Frick Co., Waynesboro, Pa.

Garland M. Co., Bay City, Mich.

Giddings & Lewis Mfg. Co., Fond du Lac, Wis.

Heilman Machine Works, Evansville, Ind.

**IRELAND MACHINE & FOUNDRY CO.**, ("Ireland"), Norwich, N. Y.
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Knight Mfg. Co., Canton, O.

Lane Mfg. Co. (Lane Patent Lever-Set), Montpelier, Vt.

Lombard Iros Wks. & Supply Co., Augusta, Ga.

Lyon Iron Works ("Standard"), Greene, N. Y.

Moltz Jacob J., Williamsport, Pa.

Murray D. J. Mfg. Co., Wausau, Wis.

Phoenix Mfg. Co., Eau Claire, Wis.

Quick & Thomas Co., Auburn, N. Y.

Ricker T. H. & Sons Co., Harrison, Me.

Rockford Mfg. Co., Indianapolis, Ind.

Russell & Co., Massillon, O.

Salem Iron Works, Winston-Salem, N. C.

Scheidler Machine Works Co., Newark, O.

Sinker-Davis Co., Indianapolis, Ind.

Smalley Mfg. Co., Manitowoc, Wis.

Southern Engine & Boiler Mfg. Co., Jackson, Tenn.

Standard Saw Mill Machinery Co., Erie, Pa.

Stearns Co., Erie, Pa.

Union Iron Works, Bangor, Me.

Wheland Co., Chattanooga, Tenn.

Woodruff Machinery Mfg. Co., Winder, Ga.

Yates P. B. Machine Co., Beloit, Wis.

## 12938— Saw Mills (Drag)

American Saw Mill Machinery Co., Hackettstown, N. J.

Filer & Stowell Co., Milwaukee, Wis.

Garland M. Co., Bay City, Mich.

Giddings & Lewis Mfg. Co., Fond du Lac, Wis.

Globe Co. (Self-Feed), Sheboygan, Wis.

Howell R. R. & Co., 31st av, Minneapolis, Minn.

Ireland Machine & Foundry Co. ("Ireland"), Norwich, N. Y.
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Kline Lewis T. (Drag Saw Machines), Alpena, Mich.

Lane Mfg. Co., Montpelier, Vt.

Lyon Iron Works ("Standard"), Greene, N. Y.

Smalley Mfg. Co., Manitowoc, Wis.

Southern Engine & Boiler Mfg. Co., Jackson, Tenn.

Stearns Co., Erie, Pa.

Trevor Mfg. Co. (For Handle Factories, etc), Lockport, N. Y.

Union Iron Works, Bangor, Me.

## 12939— Saw Mills (Gang)

American Saw Mill Machinery Co., Hackettstown, N. J.

Diamond Iron Works ("Diamond" Belt, etc), 2nd & 18th, Av N, Minneapolis, Minn.

Filer & Stowell Co., Milwaukee, Wis.
Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Stearns Co., Erie, Pa.
Union Iron Works, Bangor, Me.
Wickes Bros., Saginaw, Mich.

## 12940—Saw Mills (Portable)

Abenaque Machine Works (Circular Saw Outfit), Westminster Station, Vt.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Saw Mill Machinery Co., Hackettstown, N. J.
Burlingame A. Co., Worcester, Mass.
Emerson - Brantingham Co. ("Reeves," "Geiser Peerless"), Rockford, Ill.
Enterprise Co. ("New Buckeye"), Columbiana, O.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fisher & Davis Mfg. Co., St. Louis, Mo.
Frick Co., Waynesboro, Pa.
Gainesville Iron Works, Gainesville, Ga.
Heilman Machine Works, Evansville, Ind.
Hench & Dromgold Co., York, Pa.
Howell R. R. & Co., 31st av., Minneapolis, Minn.
**IRELAND MACHINE & FOUNDRY CO.**, ("Ireland"), Norwich, N. Y.
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Keck-Gonnermann Co., Mount Vernon, Ind.
Liddell Co., Charlotte, N. C.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lyon Iron Works, Greene, N. Y.
Mecklenburg Iron Works, Charlotte, N. C.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Rumely Leo Tractor Co. ("Gear Scott"), La Porte, Ind.
Russell & Co., Massillon, O.
Salem Iron Works, Winston-Salem, N. C.
Scheidler Machine Works, Newark, O.
Sergeant Mfg. Co., Greensboro, N. C.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Thomas Albright Co., Goshen, Ind.
Westinghouse Co., Schenectady, N. Y.

## Saw Re-Toothers

See Saw Stretching Machines

## Saw Rigs (Portable)

See Sawing Rigs, Portable

## 12941— Saw Sets

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Bergman Tool Mfg. Co., Buffalo, N. Y.
Boker Cutlery & Hardware Co., Inc. (Imported), 101 Duane, New York
Buckeye Mfg. Co. (" Buckeye." Foot Power), Foundry: 2046 W 55th, Cleveland, O.
Buffum Tool Co. ("Swastika" Carpenters'), South Side, Louisiana, Mo.
Bullock Mfg. Associates ("Lester," "Leach Pattern," "Aiken Pattern," "Morell Pattern"), Springfield, Mass.
Covel Mfg. Co., Benton Harbor, Mich.
Disston Hy. & Sons ("Monarch," "Champion," "Bully Boy," "Samson," "Star," "Triumph"), Tacony, Phila, Pa.
Goodell-Pratt Co., Greenfield, Mass.
Holt G. L. Co. ("Holt"), Hartford, Conn.
Johnson Wm. (Hedenberg Works, Hammer, Common & Stillman Lever), Newark, N. J.
Kilborn & Bishop Co. (Whiting," "Woodman," "Handy" Forged), 194 Chapel, New Haven, Conn.
Landers, Frary & Clark Co. ("Nash's," Hardware Specialties), New Britain, Conn.
Lowentraut P. Mfg. Co. ("Aiken's"), 36 Brenner, Newark, N. J.
**MORRILL CHAS.** ("Morrill" & "Apex" Brands), 100 Lafayette, New York
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Morrill Chas. ("Morrill" & "Apex" Brands), 100 Lafayette, New York
Peck, Stow & Wilcox Co., Southington, Conn.
Prouty C. & Co. (Steel), Eldred, Pa.
Sargent & Co. ("Aiken Pattern," "S. & Co."), New Haven, Conn.

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"Special" and No. 1 for hand saws not over 16 gauge.
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**SIMONDS MFG. CO.**, Fitchburg, Mass.
***See adv index at end of book***
Smith Seymour & Son (Hammer & Lever), Oakville, Conn.
**SMITH & HEMENWAY CO., INC.**, 261 H B'way, New York & 130 H. Colt, Irvington, N. J.
*See adv index at end of book*
Springfield Machine Co., Springfield, Mass
Stearns E. C. & Co. ("Stearns"), 450 Oneida, Syracuse, N. Y.
Taintor H. F. 2 Rector, New York
Vom Cleff & Co. (Imported), 105 Duane, New York

## 12942— Saw Slashers

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Filer & Stowell Co., Milwaukee, Wis.
Garland M. Co., Bay City, Mich.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
***See adv index at end of book***

## Saw Swages

See Swages, Saw

## Saw Tables

See Saw Benches or Tables; also Saw Tables for Metal

## 12943—Saw Tables for Metal

Bridgeport Engineering Co., Bridgeport, Conn.
Grabo E. O. Machine Works, 180 Centre, New York
Hub Machine Welding & Contracting Co. ("Acme"), 450 N 12th, Phila., Pa.

## 12944— Saw Teeth

Corley Mfg. Co., Chattanooga, Tenn.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
***See adv index at end of book***
Southern Saw Works, East Point, Ga

## 12945—Saw Teeth (Diamond)

Meyers W. F. ("Diabrasive"), Bedford Ind.

## 12946-7—Saw & Hook (Pruning)

Cronk & Carrier Mfg. Co. ("Elmira"), 150 Lake Elmira, N. Y.
*See adv index at end of book*

## 12948-9— Sawdust

Becker & Moore (White Pine), No. Tonawanda, N. Y.
Chapin-Stephens Co. (Boxwood), Pine Meadow, Conn.
Estes E. B. & Sons (Boxwood, Hardwood Softwood, etc), 364 5th av, New York
*See adv index at end of book*
Herne J. F. Co. (Hardwood), Sanford, Boston, Mass.
Lignum Chemical Works (Rock Maple & Boxwood), Morgan av, Brooklyn, N. Y
**NATIONAL SAWDUST CO.** (All Kinds for All Purposes), 102 N 1st, B'klyn, N. Y
Sommer John Faucet Co. (Turkey Boxwood), 30 Morris av, Newark, N. J.

## 12950—Sawing Rigs (Portable)

American Saw Mill Machinery Co., Hackettstown, N. J.
Badger Gas & Gasoline Engine Co., Kansas City, Kans.
C. H. & E. Mfg. Co. ("C. H. & E.," with Power "built in" for Contractors, all sizes, etc), 284 Clinton, Milwaukee Wis.
Charter Gas Engine Co. (For Cord Wood or Pole Sawing), Sterling, Ill.
Fairbanks, Morse & Co. (With Engines) 900 S Wabash av, Chicago, Ill
Ireland Machine & Foundry Co., Norwich, N. Y. *See adv index at end of book*
Novo Engine Co., Lansing, Mich.
Parks Ball Bearing Machine Co., Knowlton & Fergus, Cincinnati, O.
Ransome Concrete Machinery Co. ("Oshkosh"), Dunellan, N. J.
Stover Mfg. & Engine Co. (With Gasoline Engine), Freeport, Ill.
Termaat & Monahan Mfg. Co., Oshkosh, Wis.
United Engine Co., Lansing, Mich.
Witte Engine Works (Stationary), 16th & Oakland, Kansas City, Mo.
**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

## 12951—Sawing Rigs (Portable Rip Swing Cross-Cut)

American Saw Mill Machinery Co., Hackettstown, N. J.
Ransome Concrete Machinery Co. ("Oshkosh," Heavy), Dunellen, N. J.

## 12952— Saws

Under This Heading See Sub-classifications
Aero Wks., Inc., 89 Warren, New York
Ambler Saw Mfg. Co. (Band & Circular), Natick, Mass.
Atkins E. C. & Co., Indianapolis, Ind.
Barcus Bros., Muskegon, Mich.
Beach Mfg. Co. (Cut-Off Wood, Double & with 2 & 3 Tracks), Montrose, Pa.
Birmingham Saw Works, Birmingham, Ala.
Bishop George H. & Co., Lawrenceburg, Ind.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Broadhead Jos., Manistee, Mich.
Buckeye Saw Mfg. Co., Columbus, O.
California Saw Works, 721 Brannan, San Francisco, Cal.
Canton Saw Co. (Circular & Repairs), Canton O.
Chattanooga Saw Works, Chattanooga, Tenn
Clemson Bros. Middletown, N. Y.
Cocker Saw Mfg. Co., Lockport, N. Y.
Crescent Co., Inc., Meriden, Conn.
Curtis & Co., Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Detroit Saw & Tool Co., 66 E Fort, Detroit, Mich.
**DIAMOND SAW & STAMPING WORKS** ("Sterling" Hack), 357 7th, Buffalo, N. Y. *See adv index at end of book*
Disston Henry & Sons, Tacony, Phila., Pa.
Edge Frank & Co., Grand Rapids, Mich.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Gladium Co. Inc., 127 Duane, New York
Goes Oscar & Co., 1822 W Lake, Chicago, Ill.
Goodrich H. M., Bellingham, Wash.
Hoe R. & Co., 504 Grand, New York
Hunter Saw & Machine Co. (Circular Saws for Metal), 57th & Butler, Pittsburgh, Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Jennings C. E. & Co. (Brick), 71 Murray, New York
Jennings & Griffin Mfg. Co., Port Jervis, N. Y.
Karle & Sons, 142 Chicago, Buffalo, N. Y.
Kennedy Ralph M., 111 N 7th, Phila., Pa.
Kentucky Saw Works, Louisville, Ky.
Lippert E. T Saw Co., Millvale, Pa.
Lufkin Foundry & Machine Co. (Universal Cut-Off), Lufkin, Tex.
McNiece Wm. & Son, 515 Cherry, Phila., Pa.

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and
High Speed Steel

**Milling Saws**
Trade SEMHI Mark
and Patent Inserted Tooth with High Speed Steel Inserts

Flexible Back and All Hard Hack Saw Blades, Metal Cutting Band Saw Blades. Metal Slitter Cutters. A complete line of Saws

HUTHER BROTHERS SAW MFG. CO.
ROCHESTER, N. Y., U. S. A.

SAWS—continued

Mack & Winkle, 172 Skillman av, Brooklyn, N. Y.
Menominee Saw Co., Menominee, Mich.
Michigan Saw Co., Saginaw, Mich.
Napier Saw Works, Inc., 40 Napier, Springfield, Mass.
National Mfg. & Steel Supply Co. ("Richardson Bros."), 781 Summit, Newark, N. J.
Ohlen Bishop Co., 931 Factory, Columbus, O.
**Oldham New York Saw Works, Inc., 112 26th, Brooklyn, N. Y.**
Penfield Saw Works, Bristol, Conn.
Rex File & Saw Co., Newcomerstown, O
Robertson Mfg. Co., 1443 Niagara, Buffalo, N. Y.
Rowe Geo. & Son, 121-23 W 2d, Cincinnati, O.
Schwartz's M. Sons, Bangor, Me.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Southern Saw Works ("Southern"), East Point, Ga.
Thompson H. G. & Son Co. (Hack & Band for Metal), New Haven, Conn.
Toland & Son, 232 Front, Baltimore, Md.
Toledo Saw & Supply Co., Toledo, O.
Victor Saw Works (Hack), Springfield, Mass.

## Saws (Back)

See Saws, Mitre Box

## 12953— Saws (Band)

Aero Wks., Inc., 89 Warren, New York
Ambler Saw Mfg. Co., Natick, Mass.
**AMERICAN SAW & MFG. CO.** (For Metal), 69 Boylston, Springfield, Mass.
Atkins E. C. & Co., Indianapolis, Ind.
**BARNES W. O. CO.**, 1216 Beaubein, Detroit, Mich. *See adv index at end of book*
Bishop George H. & Co., Lawrenceburg, Ind.
Black Diamond Saw & Machine Works, Natick, Mass.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Burton A. J. & Son, Quincy, Mass.
Clark Mach. Wks. (Metal), Belmont, N. Y.
Clemson Bros., Middletown, N. Y.
Cocker Saw Mfg. Co., Lockport, N. Y.
Decker E. F. Saw Works, Albany, N. Y.
Detroit Saw & Tool Co., 66 E Fort, Detroit, Mich.
Disston Hy. & Sons, Tacony, Phila., Pa.
Edge Frank & Co., Grand Rapids, Mich.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Goes Oscar & Co., 1822 W Lake, Chicago, Ill.
Griffin G. W. Co., Franklin, N. H.
Hastings & Co., 49 Commercial, Newark, N. J.
Henrikson Bernard T. & Co., 664 W Austin, Chicago, Ill.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Metal Cutting, Rochester, N. Y.
*See adv index at end of book*
**Kennedy Ralph M., 111 N 7th, Phila., Pa.**
Lippert E. T. Saw Co., Millvale, Pa.
McNiece Wm. & Son (Imp.), 515 Cherry, Phila., Pa.
Maine Machine Wks. (14 inches), 701 N Main, Los Angeles, Cal.
Moss Arthur J., 178 Centre, New York
Napier Saw Wks., Inc. ("Napier" for Metal), Springfield, Mass.
Ohlen Bishop Co. (Hard, Tempered & Flexible Metal Back), 931 Factory, Columbus, Ohio
Oliver Machinery Co., Grand Rapids, Mich.
**Oldham New York Saw Works, Inc., 112 26th, Brooklyn, N. Y.**
**Racine Tool & Machine Co., Racine, Wis.**
Root B. M. Co., York, Pa.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Smith H. B. Machine Co., Smithville, N. Y.
**Southern Saw Works ("Southern"), East Point, Ga.**
Standard Saw & Tool Mfg. Co., Kane, Pa.
**Toland & Son, 232 Front, Baltimore, Md.**
Toledo Saw & Supply Co., Toledo, O.
Wolverine Saw Co. (For Cutting Brass), 66 E Fort, Detroit, Mich.
York Saw Works, York, Pa.
Zeiller & Nagle, 233 Java, Brooklyn, N. Y.

## Saws (Band Sprue)

See Band Sprue Sawing Machines

## 12954—Saws (Barrel, Stave)

Decker E. F. Saw Works, Albany, N. Y.
Disston Hy. & Sons (Cylinder), Tacony, Phila., Pa.

## 12955— Saws (Bilge)

Atkins E. C. & Co., Indianapolis, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.

## 12956— Saws (Blind Slat)

Ohlen Bishop Co., 931 Factory, Columbus, O.

## 12957— Saws (Bracket)

Griffin G. W. Co., Franklin, N. H.
Millers Falls Co., 28 Warren, New York

## 12958— Saws (Buck)

**Aero Wks., Inc., 89 Warren, New York**
Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co. (Weed), Lawrenceburg, Ind.
Decker E. F. Saw Works, Albany, N. Y.
**Disston Henry & Sons, Tacony, Phila., Pa.**
Ohlen Bishop Co., 931 Factory, Columbus, O.

## 12959—Saws (Butchers', Etc.)

**Aero Wks., Inc., 89 Warren, New York**
Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind.
Brecht Co., 1201 Cass av, St. Louis, Mo.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Chatillon Jno. & Sons ("Chatillon"), 85 Cliff, New York
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa

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Millers Falls Co. ("Star" Crucible Steel Back), 28 Warren, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.
Pittsburgh Saw Co., 216 2d av, Pittsburgh, Pa.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Thompson H. G. & Son Co. (Polished, also in Coils of 50 feet), New Haven, Conn.

## 12960— Saws (Chain Link)

Union Twist Drill Co., Athol, Mass.

## 12961— Saws (Chamfering)

Huther Bros. Saw Mfg. Co., Rochester N. Y. *See adv index at end of book*

## 12962— Saws (Circular)

Aero Wks., Inc., 89 Warren, New York
American Saw Wks., Hackettstown, N. J.
Atkins E. C. & Co., Indianapolis, Ind.
Barcus Bros., Muskegon, Mich.
Branch Saw Co. (Inserted Teeth), 2323 N 9th, St. Louis, Mo.
Braun J. G., 609 S Paulina, Chicago, Ill.
Buckeye Saw Mfg. Co. (Inserted & Solid Tooth), Columbus, O.
Canton Saw Co., Canton, O.
Chattanooga Saw Works (Solid & Inserted Tooth), Chattanooga, Tenn.
Clemson Bros., Middletown, N. Y.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co. (Solid & Inserted Teeth), 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Detroit Saw & Tool Co., 66 E Fort, Detroit, Mich.
Disston Henry & Sons (Inserted Tooth, Gullet Tooth, Solid Tooth), Tacony, Phila., Pa.
Eagle Saw Works, Chattanooga, Tenn.
Ellis Keystone Agricultural Wks., Pottstown, Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Foucart J. E., Williamsport, Pa.
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Goes Oscar & Co., 1822 W Lake, Chicago, Ill.
Goodell-Pratt Co. (For Soft Metal, Bone or Ivory), Greenfield, Mass.
Hamachek Frank ("Grant"), Kewaunee, Wis.
Hastings & Co., 49 Commercial, Newark, N. J.
Hoe R. & Co., 504 Grand, New York
**HUTHER BROS. SAW MFG. CO.** (Solid or Inserted Tooth), Rochester, N. Y.
*See adv index at end of book*
Kennedy Ralph M., 111 N 7th, Phila., Pa.
Lippert E. T. Saw Co., Millvale, Pa.
McNiece Wm. & Son, 515 Cherry, Phila., Pa.
Marston J. M. & Co. (Hand & Foot Power), 226 Ruggles, Boston, Mass.
Menominee Saw Co., Menominee, Mich.
Michigan Saw Co., Saginaw, Mich.
Molthrup Steel Products Co., Beaver Falls, Pa.
Moss Arthur J., 178 Centre, New York
National Mfg. & Steel Supply Co. ("Richardson Bros"), 781 Summit, Newark, N. J.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oldham New York Saw Works, Inc., 112 26th, Brooklyn, N. Y.
Oliver Machinery Co., Grand Rapids, Mich.
Penfield Saw Works, Bristol, Conn.
Rowe Geo. & Son., 121-23 W 2d, Cincinnati, O.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Southern Saw Works ("Southern"), East Point, Ga.
Tabor Mfg. Co. ("Taylor-Newbold"), 18th & Hamilton, Phila., Pa.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Toledo Saw & Supply Co., Toledo, O.
**Wolverine Saw Co., 66 E Fort, Detroit, Mich.**
York Saw Works, York, Pa.

## 12963—Saws (Circular, for Metal)

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. Co., Indianapolis, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cocker Saw Mfg. Co., Lockport, N. Y.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons ("Premier" Inserted Tooth), Tacony, Phila., Pa.
Espen-Lucas Mach. Wks., Girard av, Philadelphia, Pa.
Goodell-Pratt Co. (Small Sizes Only), Greenfield, Mass.
Hunter Saw & Machine Co. (For Hot or Cold Metal, etc.), 57th & Butler, Pittsburgh, Pa.
**Huther Bros. Saw Mfg. Co., Rochester, N. Y.** *See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus, O.
Roberson W. Machine & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.
**Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.**
*See adv index at end of book*


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Ryerson High Speed Friction Saws are designed for rapid cutting of steel shapes of all descriptions. This saw will cut different shapes in rapid succession without interchanging attachments or clamping the material. A 24" I-beam can be cut in 50 seconds. We manufacture this saw in various sizes with capacity to cut from the smallest to the largest sections rolled.

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*See adv index at end of book*
Southern Saw Works, East Point, Ga.
Thurston Mfg. Co. ("Thurco." Formed for Cutting Copper, Similar Metals), 140 Benedict, Providence, R. I.

## 12963a—Saws (Circular Milling)

**HUTHER BROS. SAW MFG. CO.** ("Semihi" Brand), Rochester, N. Y.
*See adv index at end of book*

## 12964—Saws (Circular, Slate)

Aero Wks., Inc., 89 Warren, New York
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Hunter Saw & Machine Co., 57th & Butler Pittsburgh, Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Southern Saw Works, East Point, Ga.

## 12965—Saws (Circular, Stone)

Aero Wks., Inc., 89 Warren, New York
Cocker Saw Mfg. Co., Lockport, N. Y.
Decker E. F. Saw Works, Albany, N. Y.
Lincoln Iron Works (For Soft Stone, etc), Rutland, Vt.
Meyers W. F. Co., Bedford, Ind.
Ohlen Bishop Co., 931 Factory, Columbus, O.

## Saws (Cold)

See Cold Saw Cutting-Off Machines

## 12966— Saws (Compass)

Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind
Decker E. F. Saw Works, Albany, N. Y
Disston Hy. & Sons, Tacony, Phila., Pa.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Kensington Hdwe. & Tool Mfg. Co., 410 Mechanic, Germantown, Phila., Pa.
Ohlen Bishop Co., 931 Factory, Columbus, O.
S. & I. Co., Springfield, Mass.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Winchester Repeating Arms Co. "Winchester"), New Haven, Conn.

## 12967— Saws (Concave)

Atkins E. C. & Co., Indianapolis, Ind.
Cocker Saw Mfg. Co., Lockport, N. Y.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons (Circular, etc), Tacony, Phila., Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Gerlach Peter Co. (Circular), 1712 Winter, Cleveland, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Lippert E. T. Saw Co., Millvale, Pa.
Menominee Saw Co., Menominee, Mich.
Michigan Saw Co., Saginaw, Mich.
National Mfg. & Steel Supply Co. ("Richardson Bros."), 781 Summit, Newark, N. J.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oldham New York Saw Works, Inc., 112 26th, Brooklyn, N. Y.
**SIMONDS MFG. CO.**, Fitchburg, Mass.
*See adv index at end of book*
Southern Saw Works, East Point, Ga.

## 12968— Saws (Coping)

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.
Bridgeport Hardware Mfg. Corp. ("Matchless," "Lead All"), Bridgeport, Conn.
Griffin G. W. Co., Franklin, N. H.
Jennings C. E. & Co., 71 Murray, New York
Millers Falls Co., 28 Warren, New York
Napier Saw Works, Inc. (Loop & Pin), Springfield, Mass.
S. & I. Company, Springfield, Mass.
**SMITH & HEMENWAY CO., INC.** ("Red Devil"), 261 H. B'way, New York, & 130 H. Coit, Irvington, N. J.
*See adv index at end of book*

## 12969— Saws (Cross-Cut)

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind.
Branch Saw Co. (Hand), 2323 N 9th, St. Louis, Mo.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Emerson, Smith & Co., Beaver Falls, Pa.
Jones Superior Mach. Co., 1264 N North av, Chicago, Ill.
Menominee Saw Co., Menominee, Mich.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Prouty C. & Co., Eldred, Pa.
Root B. M. Co., York, Pa.
**SIMONDS MFG. CO.** ("Crescent," "Radical Crescent"), Fitchburg, Mass.
*See adv index at end of book*
Southern Saw Works, East Point, Ga.

## 12970— Saws (Cylinder)

Atkins E. C. & Co., Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Huther Bros. Saw Mfg. Co., Rochester, N. Y *See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus, O.

## 12971— Saws (Dehorning)

Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.

## 12972— Saws (Diamond)

Anderson Geo. & Co. (Ltd.) (Circular), Newark, N. J.
Meyers W. F. Diamond Saw Co., Bedford, Ind.
Meyers Willard F. Co. (Reciprocating & Circular), Bedford, Ind.
Royden Marble Machinery Co., 137 E 25th, New York
Whittle Chas. L. (For Rocks, Minerals. Fossils, Glass, Porcelain, etc), 50 Congress, Boston, Mass.

## Saws (Drag)

See Drag Saw Machines

## 12973— Saws (Drop)

United Engineering & Foundry Co. (Motor Driven), Keenan bldg, Pittsburgh, Pa.

## 12974—Saws (Electric Driven)

Neil & Smith Electric Tool Co. ("Ideal"), 8th & B'way, Cincinnati, O.
Roberson W. Machine & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.

## 12975—Saws (Endless Chain)

Yates P. B. Machine Co., Beloit, Wis.

## 12975a*—Saws (Flexible Back Band)

See also Saw Blades, Hack, Flexible Back
**HUTHER BROS. SAW MFG. CO.,** Rochester, N. Y. *See adv index at end of book*

## 12976— Saws (Gang)

**Aero Wks., Inc., 89 Warren, New York**
Atkins E. C. & Co., Indianapolis, Ind.
Branch Saw Co., 2323 N 9th, St. **Louis,** Mo.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston Hy & Sons, Tacony, Phila., Pa.
Emerson, Smith & Co. (Ltd.), Beaver Falls, Pa.
Flynn & Emrich Co. (Stone), 305 N Holliday, Baltimore, Md.
Foucart J. E., Williamsport, Pa.
Hoe R. & Co., 504 Grand, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*

## Saws (Gang, Stone & Slate)

See Stone Gang Sawing Machines

## 12977— Saws (Grooving)

**Aero Wks., Inc., 89 Warren, New York**
Atkins E. C. & Co., Indianapolis, Ind.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston, Hy. & Sons ("Keystone," Groover or Dado-Head, etc), Tacony, Phila., Pa.
Eagle Saw Works, Chattanooga, Tenn.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Michigan Saw Co., Saginaw, Mich.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oldham New York Saw Works, Inc., 112 26th, Brooklyn, N. Y.
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*
Southern Saw Works, East Point, Ga.

## Saws (Hack)

See Saw Blades & Frames, Hack; also Hack Saw Machines

## 12978— Saws (Hack Bench)

Goodell-Pratt Co., Greenfield, Mass.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 12979— Saws (Hand)

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind.
Clemson Bros., Middletown, N. Y.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.
S. & I. Co. (Panel & Rip), Springfield, Mass.
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*



What Cheer Tool Co. ("What Cheer" Miners), What Cheer, Ia.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 12980— Saws (Hand Hack)

Disston Hy. & Sons, Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester N. Y. *See adv index at end of book*
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*For branch offices see Alphabetical Section*

## Saws (Heading)

See Saws, Shingle & Heading

## 12981—*Saws (High Speed Friction)

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## Saws (Hot, Cut-off)

See Machines, Hot Sawing

## 12982— Saws (Ice)

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind.
Branch Saw Co. (Hand), 2323 N 9th, St. Louis, Mo.
Clemson Bros., Middletown, N. Y.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works ("Decker"), Albany, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Gifford-Wood Co. (Field, Electric & Gasoline), Hudson, N. Y.
Hoe R. & Co., 504 Grand, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*

## 12983—Saws (Inserted Teeth)

Aero Wks., Inc., 89 Warren, New York
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Buckeye Saw Mfg. Co., Columbus, O.
Chattanooga Saw Works, Chattanooga, Tenn.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. C., 1571 Kienlen av, St. Louis, Mo.
Decker E. F. Saw Works ("Decker"), Albany, N. Y.
Disston Henry & Sons (Circular, etc), Tacony, Phila., Pa.
Hoe R. & Co., 504 Grand, New York
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Huther Bros. Saw Mfg. Co. (For Cutting Metal; Patent Inserted Tooth Milling Saws), Rochester, N. Y.
*See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oldham New York Saw Works, Inc., 112 26th, Brooklyn, N. Y.
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*
Southern Saw Works ("Southern"), East Point, Ga.
Tabor Mfg. Co. ("Taylor-Newboid"), 18th & Hamilton, Phila., Pa.
Tindel-Morris Co. ("Tindel" Patent for Metal), Eddystone, Pa., & Ellwood City, Pa.

## 12984— Saws (Jewelers')

Aero Wks., Inc., 89 Warren, New York
Griffin G. W. Co., Franklin, N. H.
Millers Falls Co. ("Star"), 28 Warren, New York
Napier Saw Wks. Inc. ("Napier"), 40 Napier, Springfield, Mass.
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
West Haven Mfg. Co., West Haven, Conn.
Worthington & Raymond (Imp.), ("Optimus," "W. & R."), 71 Murray, New York

## 12985— Saws (Jig)

See also Saws, Scroll

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Edge Frank & Co., Grand Rapids, Mich.
Hastings & Co., 49 Commercial, Newark, N. J.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Meyers Williard F. Diamond Saw Co., Bedford, Ind.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Royle John & Sons (For Mortising, etc), Straight & Essex, Paterson, N. J.
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*
Smith H. B. Machine Co., Smithville, N. J.

## 12986— Saws (Keyhole)

Bishop George H. & Co., Lawrenceburg, Ind.
Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Kensington Hdwe. & Tool Mfg. Co., 410 Mechanic, Germantown, Phila., Pa.
S. & I. Co. ("S & I"), Springfield, Mass
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 12987— Saws (Kitchen)

Bishop George H. & Co., Lawrenceburg, Ind.
Cassady Fairbank Mfg. Co. ("Morris," Armour"), 6126 S La Salle, Chicago, Ill.
Christy Knife Co., Fremont, O.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Millers Falls Co. ("Star" Steel Frame), 28 Warren, New York
**NICHOLS BROS.** ("Nichols Bros."), Greenfield, Mass.
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*
White Ira F. & Son Co., Bloomfield, N. J.

## 12988—Saws (Metal Slitting)

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.
Barber-Colman Co., Rockford, Ill.
**BECKER MILLING MACHINE CO.,** Hyde Park, Mass.
**BLANCKE A. C. & CO.** (High Speed & Carbon), 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Brown & Sharpe Mfg. Co., Providence, R. I.
Cleveland Cutter & Reamer Co., The, 1619 Merwin av, Cleveland, O.
*See adv index at end of book*
Cowles Tool Co., 2086 W 110th, Cleveland, Ohio
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
Hoe R. & Co., 504 Grand, New York
**HUTHER BROS. SAW MFG. CO.** ("Sem-Hi" Brand), Rochester, N. Y.
*See adv index at end of book*
Lincoln Twist Drill Co., Taunton, Mass.
Morse Twist Drill & Machine Co ("Morse"), New Bedford, Mass.
**NATIONAL TOOL CO.,** Cleveland, O.
*See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus, O.
Pratt & Whitney Co., Hartford, Conn.
Shields Cutter Co., 18511 Euclid av, Cleveland, Ohio
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*
Southern Saw Works ("Southern"), East Point, Ga.
Thurston Mfg. Co. ("Thurco" Jeweler's), 140 Benedict, Providence, R. I.
Union Twist Drill Co., Athol, Mass.

## 12989— Saws (Mitre Box)

Atkins E. C. & Co., Indianapolis, Ind.
Bishop Geo. H. & Co., Lawrenceburg, Ind.
Disston Henry & Sons, Tacony, Phila., Pa.
Eagle Saw Works, Chattanooga, Tenn.

Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Kensington Hdwe. & Tool Mfg. Co., 410 Mechanic, Germantown, Phila., Pa.
**SIMONDS MFG. CO.**, Fitchburg, Mass. *See adv index at end of book*

## 12990—Saws (Overhead Cut-Off)

Conner J W. & Son ("Favorite" Farmer's), Orangeville, Pa.

## 12991— Saws (Piercing)

Dixon Wm. (Imp.), 39 John, New York

## 12992— Saws (Plumbers')

Atkins E. C. & Co., Indianapolis, Ind.
Buffum Tool Co. ("Swastika," Hand & Compass), South Side, Louisiana, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Ohlen Bishop Co., 931 Factory, Columbus, O.
S. & I. Co. ("S & I" Hack Saw Blades), Springfield, Mass.

## 12993— Saws (Pruning)

Atkins E. C. & Co., Indianapolis, Ind.
Bartlett Mfg. Co., 40 E Lafayette av, Detroit, Mich. *See adv index at end of book*
Disston Henry & Sons ("Little Giant" Pruning Hook & Saw, etc), Tacony, Phila., Pa.
Jennings C. E. & Co. ("C. E. J. & Co.'s"), 71 Murray, New York
Kensington Hdwe. & Tool Mfg. Co., 410 Mechanic, Germantown, Phila., Pa.
**SIMONDS MFG. CO.**, Fitchburg, Mass. *See adv index at end of book*

## 12994— Saws (Rail & Shop)

See also Rail Sawing Machines

Atkins E. C. & Co., Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
**DIAMOND SAW & STAMPING WORKS** ("Sterling"), 357 7th, Buffalo, N. Y. *See adv index at end of book*
Disston Hy. & Sons ("Disston" Rail Hack Saws), Tacony, Phila., Pa.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Ohlen Bishop Co., 931 Factory, Columbus, O.
Q. & C. Co. ("Q. & C." Portable Rail Saws), 90 West, New York

## 12995—Saws (Screw Slotting)

Aero Wks., Inc., 89 Warren, New York
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus, O.
**SIMONDS MFG. CO.** (Concave), Fitchburg, Mass. *See adv index at end of book*
**STARRETT L. S. CO., THE**, Athol, Mass. *See adv index at end of book*
Turston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.

## 12996— Saws (Scroll)

See also Scroll Sawing Machines; also Saws, Jigs

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.
Disston Henry & Sons ("Fays"), Tacony, Phila., Pa.
Edge Frank & Co., Grand Rapids, Mich.
Emerson, Smith & Co., Beaver Falls, Pa.
Griffin G. W. Co., Franklin, N. H.
Millers Falls Co. ("Star," "Lester," "New Rogers," "Cricket"), 28 Warren, New York
Ohlen Bishop Co., 931 Factory, Columbus, O.
Oliver Machinery Co., Grand Rapids, Mich.
**SIMONDS MFG. CO.**, Fitchburg, Mass. *See adv index at end of book*
Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.

## 12997— Saws (Segment)

Atkins E. C. & Co., Indianapolis, Ind.
Branch Saw Co., 2323 N 9th, St. Louis, Mo.
Cocker Saw Mfg. Co., Lockport, N. Y.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons (And Veneering) Tacony, Phila., Pa.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Ohlen Bishop Co., 931 Factory, Columbus, O.

## 12998—Saws (Shingle & Heading)

Atkins E. C. & Co., Indianapolis, Ind.
Chattanooga Saw Works, Chattanooga, Tenn.
Cocker Saw Mfg. Co., Lockport, N. Y.
Curtis & Co. Mfg. Co., 1571 Kienlen av., St. Louis, Mo.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Southern Saw Works ("Southern"), East Point, Ga.

## 12999—Saws (Stone Cutting)

Aero Wks., Inc., 89 Warren, New York
Anderson Geo. & Co., 420 Ogden, Newark, N. J.
Meyers W. F. Co., Bedford, Ind.
Robertson W. F. Steel & Iron Co., Elm & Commercial, Cincinnati, Ohio
Royden Marble Machinery Co. ("Royden" Inserted Carborundum Tooth), 137 E 25th, New York

## 12999a—Saws (Structural Steel Shapes)

Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Roberson W. Machine & Foundry Co. ("Economy"), 56 Rano, Buffalo, N. Y.

## 13000-2— Saws (Swing)

American Saw Mill Machinery Co., Hackettstown, N. J.
American Woodworking Machinery Co., Rochester, N. Y.
Badger State Machine Co. (Improved Cut-Off), Janesville, Wis.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Chase Turbine Mfg. Co. (Cut-Off), Orange, Mass.
Colladay Jos. O. Co., 626 Race, Phila., Pa.
Connell & Dengler Mach. Co., Rochester, N. Y.
Cordesman-Rechtin Co., Butler, Cincinnati, O.
Crescent Machine Co., Leetonia, O.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Diamond Iron Works, 2d & 18th av N, Minneapolis, Minn.
Dodds Alexander Co., Grand Rapids, Mich
Farquhar A. B. Co. (Ltd.) (Cut-Off), York, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Fischer Machine Works (6-foot Swing), 1845 Caroll av, Chicago, Ill.
Gee Chas. E. (Improved Cut-Off), Lowell, Mass.
Grace C. M. & Co., Huntsville, Ala.
Hall & Brown Woodworking Machine Co., 1929-33 N B'way, St. Louis, Mo. *See adv index at end of book*
Holmes E. & B. Mach'y Co., Buffalo, N. Y.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Indianapolis Excelsior Machinery Co. (For Excelsior), Indianapolis, Ind.
Jones Superior Machine Co. ("Superior" Cast Frame), 1264 W North av, Chicago, Ill.
Kane & Roach, Syracuse, N. Y.
Knight Mfg. Co., Canton, O.
Lane Mfg. Co., Montpelier, Vt.
Luther B. G. Co., Worcester, Mass.
Moffit Iron Works Co. (Cut-Off), Sanford, N. C.
Murray D. J. Mfg. Co., Wausau, Wis.
National Woodworking Machine Co., Dover, N. H.
Newman Machine Co., Greenboro, N. C.
Ober Mfg. Co. (Cut-Off), Chagrin Falls, O.
Oliver Machinery Co., Grand Rapids, Mich.
Porter C. O. Machinery Co., Grand Rapids, Mich. *See adv index at end of book*
Power L. & Co., 20 S 23d, Phila., Pa.
Root B. M. Co., York, Pa.
Sidney Machine Tool Co., Sidney, O.
Silver Mfg. Co. ("Silver"), No. 256, Salem, O.
Smith H. B. Machine Co. (Swing Cut-Off), Smithville, N. J.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Southern Saw Works ("Southern"), East Point, Ga.
Standard Saw Mill & Machinery Co., Erie, Pa.
Strait H. N. Mfg. Co. (For Cooperage, etc.), Kansas City, Kan.
Union Iron Works, Bangor, Me.
U. S. Mach. Co. (Iron Frames), Williamsport, Pa.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
West Side Iron Works ("West Side" Cut-Off), Grand Rapids, Mich.
Wheland Co., Chattanooga, Tenn.
Yates P. B. Machine Co., Beloit, Wis.

## 13003— Saws (Veneer)

Aero Wks., Inc., 89 Warren, New York
Atkins E. C. & Co., Indianapolis, Ind.
Decker E. F. Saw Works, Albany, N. Y.
Disston Henry & Sons, Tacony, Phila., Pa.
Eagle Saw Works, Chattanooga, Tenn.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 13004— Saws (Web)

Decker E. F. Saw Works, Albany, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.

## 13005— Saws (Whip)

Decker E. F. Saw Works, Albany, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.

## Saws (Wood)

See Wood Sawing Machines
Also Saws, Buck

## 13005a— Scabbards

Brauer Bros. Mfg. Co. (Knife & Rifle), 204 N 14th, St. Louis, Mo.
Standard Parts Co., The (Bayonet), Cleveland, Ohio
Straus Jacob Saddlery Co. (Knife & Rifle), 410 N 6th, St. Louis, Mo.

## 13006—Scabbards (Knife & Rifle)

Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.

## 13006a— Scabbards (Sword)

Schilling Charles, 938 Diamond, Philadelphia, Pa.

## 13007— Scaffold Builders

Brown J. K. & Co., 181 3d av, Brooklyn, N. Y.
Chesebro Whitman Co., 1167 1st av, New York
Corbett & Co., 429 E 109th, New York
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Faragher John, Madison, Wis.
Fuller H. B. Co. ("Fuller's" All Steel Adjustable), 188 W 3d, St. Paul, Minn.
Portland Extension Ladder Co. ("Excelsior" Folding Extension Trestle or Scaffold Horse), 130 Orange, Newark, N. J.
Reilley Bros. Ladder Co., 324 W 41st, New York
Rockaway Ladder Co., Newark, N. J.
Schad Chas., 11 Jefferson, Brooklyn, N. Y.
Steel Scaffolding Co. (Steel), Evansville, Ind.

## Scagliola Work

See Marble, Artificial

## 13008— Scalders (Hog)

Heller-Aller Co., Napoleon, O.
Kelly Foundry & Machine Co. ("Goshen"), Goshen, Ind.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Sperry D. R. & Co. (For Farm use), Batavia, Ill.

## 13009—Scalders (Tomato, for Canneries)

Huntley Mfg. Co ("Monitor"), Silver Creek, N. Y.

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**1631 Liberty Ave., Pittsburgh, Pa.**

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**Manufacturers of "The Standard" Scales, "The Standard" Concrete Mixers, Gas, Gasoline and Oil Engines, Trucks**

***Catalogues and Bulletins on application***


### 13010-11— Scalers (Fish)

Chatillon Jno. & Sons, 85 Cliff, New York
Covert Saddlery Works, Interlaken, N. Y.
General Phonograph Corp., 25 W 45th, New York
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Grey Iron Casting Co., Mt. Joy, Pa.
Landers, Frary & Clark, New Britain, Conn.
National Brass Mfg. Co., Rochester, N. Y.
Reading Saddle & Mfg. Co., Reading, Pa.
Royal Mfg. Co., 406 Commerce, Phila., Pa.
Southington Hardware Co., Southington, Conn.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co. (Japanned), Wrightsville, Pa.

### Scales (Abattoir)

See Scales, Beam

### Scales (Armor Plate)

See Scales, Rolling Mill

### Scales (Auto Truck)

See Scales Motor Truck, also Platform or Wagon

### 13012— Scales (Automatic)

American Automatic Scale Co., 448 Huffman av, Dayton, Ohio
Am-Kron Scale Co., 430 E 53d, New York
American Machinery Co. ("American Bond"), 330 N 12th, Phila., Pa.
Automatic Weighing Machine Co. (Weighing & Packing), 138 Commerce, Newark, N. J.
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
Computing Scale Co., Dayton, Ohio
Detroit Automatic Scale Co., 30 Antritan, Detroit, Mich.
Du Vivier Ernest H. (Imp.), 30 Church, New York
Edtbauer E., 1121 W Washington blvd, Chicago, Ill.
Fairbanks Co. (For Coal, Grain, etc), 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gump, B. F. Co., 431 S Clinton, Chicago, Ill.
Hoepner Automatic Scale Co., 1401 W Jackson blvd, Chicago, Ill.
International Scale Co., Dayton, Ohio
Merrick Scale Mfg. Co., Passaic, N. J.
*See adv index at end of book*


**The Weightometer automatically weighs materials on conveyors.**

**MERRICK**
**SCALE MFG. CO.**
**Summer Street, Passaic, N. J.**


Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Pneumatic Scale Corp. (Ltd.), Norfolk Downs, Mass.
Richardson Scale Co. (For all Crushed, Granular & Powdered Materials), Passaic, N. J.
Streeter-Amet Weighing & Recording Co., 4101 Ravenswood av, Chicago, Ill.
Toledo Scale Co., Toledo, O.

### Scales (Bag & Barrel)

See Scales, Platform or Wagon

### Scales (Balance)

See Balances, Assay & Analytical
Also Balances, Spring

### 13013—Scales (Bath Room)

Fairbanks Co., 416 Broome, New York
STANDARD SCALE & SUPPLY CO., LTD., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

### 13014— Scales (Beam)

Am. Kron Scale Co., 430 E 53d, New York
Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
Fairbanks Co. (For Cotton, Weighmasters & Yarn), 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Forschner R. H. Co., 230 3d av, New York
Gaston's N. B. Sons Co., Beloit, Wis.
Howe Scale Co. of N. Y., 341 B'way, New York
Mason Davis & Co. ("Chicago," "Gibralter"), 7740 S Chicago av, Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Robidoux Jos. & Co. (Weighmasters'), 191 Front, New York
Sargent & Co., New Haven, Conn.
Standard Scale & Supply Co. ("The Standard" Recording Beam), 1631 Liberty av, Pittsburgh, Pa.
Strait Scale Co., Kansas City, Kans
Weeks Scale Works, Mt. Jewett, Pa.

### Scales (Boiler Room)

See Scales, Suspended for Boiler Rooms

### 13015— Scales (Bullion)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Buffalo Scale Co. (Inc.), (Troy Weight), 1205 Niagara, Buffalo, N. Y.

### 13016—Scales (Butchers' Suspension)

Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

### Scales (Cattle)

See Scales, Stock

### Scales (Cement Testing)

See Testing Machines, Cement

### 13017— Scales (Charging)

Fairbanks Co., 416 Broome, New York
Richardson Scale Co. (Automatic)), Passaic, N. J.
Standard Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa. *See adv index at end of book*

### Scales (Coal)

See Scales, Platform & Wagon

### 13018—Scales (Coal, Automatic)

Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Richardson Scale Co., Passaic, N. J.

### Scales (Coal Mine)

See Scales, Miners & Transportation

### Scales (Coal Tipple)

See Scales, Tipple

### 13019—Scales (Coal Traveling)

Richardson Scale Co. (Automatic Checking Feed to Boilers), Passaic, N. J.
Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

### 13020— Scales (Computing)

Anderson Computing Scale Co., Anderson, Ind.
Angldile Computing Scale Co., Elkhart, Ind.
Computer Mfg. Co., 268 Market, San Francisco, Cal.
Computing Scale Co. ("Dayton"), Dayton, O.
Computing Tabulating Recording Co., 50 Broad, New York
Detroit Automatic Scale Co., 30 Antritan, Detroit, Mich.
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Kansas City Scale & Supply Co., Kansas City, Mo.
National Scale Co. (Hendricks), Chicopee Falls, Mass.
Standard Computing Scale Co., 30 Library, Detroit, Mich.
Strubler Computing Scale Co., Elkhart, Ind.
Toledo Scale Co., Toledo, O.
Triner Scale & Mfg. Co., 2714 W 21st, Chicago, Ill.
Virginia Forgings & Mfg. Co., Richmond, Va.

### 13021—Scales, Conveyor (Automatic Weighing)

Am-Kron Scale Co., 430 E 53d, New York
Elect. Weighing Co., 180 13th av, New York
Merrick Scale Mfg. Co. ("Weightometer"), Passaic, N. J.
*See adv index at end of book*

## 3022— Scales (Cotton)

Buffalo Scale Co. (Inc.), (Southern Cotton, Wool & Cotton, Drmant Cotton, etc), 1205 Niagara, Buffalo, N. Y.
Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

## 3023— Scales (Counter)

See Also Scales, Computing

Amer. Cutlery Co., 764 Mather, Chicago, Ill.
**BUFFALO SCALE CO., INC.,** 1205 Niagara, Buffalo, N. Y.
Chatillon Jno. & Sons, 85 Cliff, New York
Dell John C. & Son, 422 Vine, Phila., Pa.
Dodge Scale Co., 126 11th av, New York
Edtbauer E. & Co., 1121 W Washington blvd, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Forschner R. H. Co., 230 3d av, New York
Hanson Bros., 525 N Ada, Chicago, Ill.
Howe Scale Co., Rutland, Vt.
Jacobs Bros. Co., 71 Warren, New York
Jones of Binghamton (Inc.) ("Osgood," "Little," "Shener," "Royal," "Parlor City Candy," "Old Reliable Union" & "Auto Truck"), Binghamton, N. Y.
Knowles Scale Works, Lowell, Mass.
Landers, Frary & Clark ("Columbia," "Landers," "Turnbull's" Spring), New Britain, Conn.
Mason Davis & Co. ("Chicago," "Gibralter"), 7740 S Chicago av, Chicago, Ill.
National Scale Co., 11 Hendricks, Chicopee Falls, Mass.
Pelouze Mfg. Co. ("Deaf," "Champion"), 232 E Ohio, Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Smith Scale Co., 611 N 4th, Columbus, O.
**SPENCER'S I. S. SONS (INC.),** Guilford, Conn
**STANDARD SCALE & SUPPLY CO.** ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Toledo Scale Co., Toledo, O.
Triner Scale & Mfg. Co., 2714 W 21st, Chicago, Ill.
Troemner Henry, 911 Arch, Phila., Pa.
Weeks Scale Works, Mt. Jewett, Pa.

## Scales (Crane or Suspended)

See Scales, Suspended, for Boiler Rooms

## 3023a— Scales (Creamery)

See also Scales, Dairy

Easton's N. B. Sons Co. (Folding), Beloit, Wis.

## 3023b— *Scales (Cutlery)

Rogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 3024— Scales (Dairy)

Buffalo Scale Co. (Inc.) (Cheese Factory, Suspensions, Butter, etc), 1205 Niagara, Buffalo, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Easton's N. B. Sons Co., 715 Race, Beloit, Wis.
**STANDARD SCALE & SUPPLY CO. LTD.** (Cheese, milk & cream), 1631 Liberty, Pittsburgh, Pa.
*See adv index at end of book*

## 3025— Scales (Dormant)

American Automatic Scale Co. ("American Automatic"), 448 Huffman av, Dayton, Ohio
Am-Kron Scale Co., 430 E 53d, New York
American Scale Co. ("American"), Kansas City, Mo.
Beckman Bros ("American"), Des Moines, Ia.
**BUFFALO SCALE CO., INC.,** 1205 Niagara, Buffalo, N. Y.
Computing Scale Co., Dayton, Ohio
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gaston's N. B. Sons Co., Beloit, Wis.
International Scale Co, Dayton, Ohio
Kansas City Hay Press Co. ("Lightning"), Kansas City, Mo.
Strait Scale Co., Kansas City, Kan.
Toledo Scale Co., Toledo, Ohio
Weeks Scale Works, Mt. Jewett, Pa.

## 13026— Scales (Druggists' & Chemists')

Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
**FAIRBANKS CO.,** 416 Broome, New York
*For branch houses see Alphabetical Section*
Torsion Balance Co. ("Torsion"), 92 Reade, New York

## 13027— Scales (Dump)

American Scale Co., Kansas City, Mo.
Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gaston's N. B. Sons Co., Beloit, Wis.
**STANDARD SCALE & SUPPLY CO.** ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Winslow Government Standard Scale Works (M. H. Winslow, Prop), Terre Haute, Ind.

## 13028— Scales (Elevator)

Richardson Scale Co. (Automatic), Passaic, N. J.

## 13029-30— Scales (Family)

American Cutlery Co. (Steel & White Tile Top), 764 Mather, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Hanson Bros., 525 N Ada, Chicago, Ill.
Landers, Frary & Clark ("Columbia," "Landers"), New Britain, Conn.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Standard Scale & Supply Co. ("The Standard," "Household," etc.), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Triner Scale & Mfg. Co., 2714 W 21st, Chicago, Ill.

## Scales (Fluid)

See Scales, Liquid & Oil Weighing

## 13031—Scales for Balancing Planer Knife

Fairbanks Co., 416 Broome, New York
Munson Co., Grand Rapids, Mich.

## 13032— Scales for Drawing

Alteneder Theo. & Sons, 1217 Spring Garden, Phila., Pa.
Brown & Sharpe Mfg. Co., Providence, R. I.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Keuffel & Esser Co., Hoboken, N. J.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
**STARRETT L. S. CO. THE,** Athol, Mass.
*See adv index at end of book*

## Scales (Foundry)

See Scales, Beam

## 13033—Scales (Glass Blowers')

Howe Scale Co., Rutland, Vt.

## 13034—Scales (Grain Testing)

Brady Jas. A. Foundry Co., 45th & Western blvd, Chicago, Ill.
Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Howe Scale Co., Rutland, Vt.
Jones of Binghamton (Inc.), Binghamton, N. Y.
Nordyke & Marmon Co., Indianapolis, Ind.
Pratt & Whitney Co., Hartford, Conn.
Torsion Balance Co. ("Torsion"), 92 Reade, New York
Weeks Scale Works, Mt.Jewett, Pa.

## 13035— Scales (Hopper)

Am-Kron Scale Co., 430 E 53d, New York
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Beckman Bros., Des Moines, Ia.
**BUFFALO SCALE CO., INC.** (Suspension Coal), 1205 Niagara, Buffalo, N. Y.
Dayton Pitless Scale Co. ("Boulton's Improved Pitless"), Dayton, O.
Edtbauer E. & Co., 1121 W Washington blvd, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gaston's N. B. Sons Co. (Grain Hopper), Beloit, Wis.
Howe Scale Co., Rutland, Vt.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Queen City Scale Co., 1628 John, Cincinnati, O.
Richardson Scale Co. (Automatic Stationary & Portable), Passaic, N. J.
**STANDARD SCALE & SUPPLY CO.** ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Strait Scale Co., Kansas City, Kan.
Winslow Government Standard Scale Works, Terre Haute, Ind.

## 13036— Scales (Jockey)

Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.

## 13037—Scales (Liquid & Oil Weighing)

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
Buffalo Scale Co. (Inc.), 1205 Niagara, Buffalo, N. Y.
Deming Apparatus Co., 30 Church, New York, New Orleans, La.
Richardson Scale Co. (Automatic Tank Scales), Passaic, N. J.
**SIMMONS JOHN CO.** ("Leinert"). 110 Centre, New York
*See adv index at end of book*
Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Weeks Scale Works (Liquid Receptacles), Mt. Jewett, Pa.

## 13038—Scales (Miners' & Transportation)

**BUFFALO SCALE CO., INC.,** 1205 Niagara, Buffalo, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
**STANDARD SCALE & SUPPLY CO., LTD.** (Also Ore), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Weeks Scale Works, Mt. Jewett, Pa.

## 13039— Scales (Moisture)

Buffalo Scale Co. (Inc.), (For Smelting Plants, Glass Blowers, etc), 1205 Niagara, Buffalo, N. Y.

## 13039a—*Scales (Motor Truck)

**BUFFALO SCALE CO. INC.,** 1205 Niagara, Buffalo, N. Y.
*See adv index at end of book*
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.

## Scales (Oil)

See Scales, Platform or Wagon

## Scales (Packing House)

See Scales, Beam

## 13040—Scales (Parcels Post)

See also Scales, Counter, also Scales, Postal

Amer. Cutlery Co., 764 Mather, Chicago, Ill.

SCALES (PARCELS POST)—continued

Chatillon Jno. & Sons, 85 Cliff, New York
Computing Scale Co., Dayton, O.
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
**Standard Scale & Supply Co., Ltd., 1631** Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Triner Scale & Mfg. Co., 2714 W 21st, Chicago, Ill.

## Scales (Pig Iron, Etc.)

See Scales, Rolling Mills

## 13040b—Scales (Picker Lap)

American Iron & Scale Co., 430 E 53d, New York

## 13041— Scales (Pitless)

Beckman Bros. ("American"), Des Moines, Ia.
Dayton Pitless Scale Co., Dayton, O.
Dayton Standard Scale Co., Dayton, Ohio
Fairbanks, Morse & Co. ("Moline," "Victor"), 900 S Wabash av, Chicago, Ill.
Gaston's N. B. Sons Co., Beloit, Wis.
Howe Scale Co., Rutland, Vt.
Kansas City Hay Press Co. ("Lightning"), Kansas City, Mo.
King Drill Mfg. Co., Nebraska City, Neb.
Lennox Machine Co. ("Lennox"), 2558 W 16th, Chicago, Ill.
Meadows Mfg. Co. ("Meadows"), Pontiac, Ill.
Moline Plow Co. ("McDonald," Pitless Wagon or Stock), Moline, Ill.
Scott Hay Press Co. ("O. K."), 1300 W 12th, Kansas City, Mo.
Stimpson Scale & Electric Co. ("Stimpson"), Northville, Mich.
Weeks Scale Works, Mt. Jewett, Pa.
Zimmerman Steel Co. ("Zimmerman"), Bettendorf, Ia.

## 13042—Scales (Platform or Wagon)

Am-Kron Scale Co., 430 E 53d, New York
American Scale Co., Kansas City, Mo.
Barker Sam'l G. & Son, Scranton, Pa.
Beckman Bros. ("American"), Des Moines, Ia.
Boston Scale & Machine Co. (Automatic Weighing & Recording), 100 Ruggles, Boston, Mass.
Dayton Pitless Scale Co. ("Boulton's" Pitless Scale & Folding Stock Rack), Dayton, O.
Dayton Standard Scale Co., Dayton, Ohio
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co. ("Fairbanks," "Moline," "Victor"), 900 S Wabash av, Chicago, Ill.
Forschner R. H. Co. (Platform Only), 230 3d av, New York
Gaston's N. B. Sons Co., Beloit, Wis.
Howe Scale Co., Rutland, Vt.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Jacob Bros. Co., 71 Warren, New York
Jones of Binghamton (Inc.), Binghamton, N. Y.
Kansas City Hay Press Co., Kansas City, Mo.
Meyer Scale & Hardware Co., 328 Adams, Newark, N. J.
Nordeen Scale Co., Everett, Wash.
Nordyke & Marmon Co., Indianapolis, Ind.
**STANDARD SCALE & SUPPLY CO., LTD.** ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Stimpson Scale & Electric Co. (Wagons, Portable Platform), Northville, Mich.
Strait Scale Co., Kansas City, Kan.
Weeks Scale Works, Mt. Jewett, Pa.
Winslow Government Standard Scale Works (M. H. Winslow, Prop.), Terre Haute, Ind.

## 13043—Scales (Platform, Portable)

American Cutlery Co., 764 Mather, Chicago, Ill.
American Scale Co., Kansas City, Mo.
Bennington Scale Co. ("Bennington"), Bennington, Vt.
Chatillon Jno. & Sons, 85 Cliff, New York
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co. ("Fairbanks," "Victor"), 900 S Wabash av, Chicago, Ill.
Gaston's N. B. Sons Co., Beloit, Wis.
Knowles Scale Works, Lowell, Mass.
Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Strait Scale Co., Kansas City, Kan.
Toledo Scale Co., Toledo, O.
Weeks Scale Works, Mt. Jewett, Pa.

## 13044—Scales (Portable Suspension)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.

## 13045— Scales (Postal)

American Cutlery Co. (Official), 764 Mather, Chicago, Ill.
Atwater S. I., 101 Lafayette, New York
Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Forschner R. H. Co., 230 3d av, New York
Pelouze Mfg. Co., 232 E Ohio, Chicago, Ill.
Standard Scale & Supply Co., Ltd. (Postal Letter, etc.), 1631 Liberty av, Pittsburgh, Pa. *See adv index at end of book*
Strait Scale Co., Kansas City, Kan.
Triner Scale & Mfg. Co. ("Gem"), 2714 W 21st, Chicago, Ill.
Weis Mfg. Co. ("Weis"), Monroe, Mich.

## Scales (Railroad Track)

See Scales, Track

## 13046— Scales (Revolving)

Fairbanks Co., 416 Broome, New York
Sawyer W. H. & Sons Co. ("Sawyer-Fulford"), Americus, Ga.
Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

## 13047—Scales (Rolling Mill)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Gaston's N. B. Sons Co., Beloit, Wis.
Richardson Scale Co., Passaic, N. J.
Standard Scale & Supply Co., Ltd. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa. *See adv index at end of book*
Strait Scale Co., Kansas City, Kan.

## 13048—Scales (Sacking, Automatic)

Richardson Scale Co., Passaic, N. J.

## 13049—Scales (Shipping & Receiving)

Richardson Scale Co., Passaic, N. J.

## 13050— Scales (Silk Trip)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.

## Scales (Spring)

See Balances, Spring

## 13050a—Scales (Springless Dial)

American Kron Scale Co., 430 E 53d, New York

## 13051—Scales (Stock & Wagon)

American Scale Co., Kansas City, Mo.
Beckman Bros. ("American"), Des Moines, Ia.
**BUFFALO SCALE CO., INC.,** 1205 Niagara, Buffalo, N. Y.
Dayton Pitless Scale Co. ("Boulton's Improved Pitless"), Dayton, Ohio
Dayton Standard Scale Co., Dayton, Ohio
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co. ("Fairbanks," "Victor," "Moline"), 900 S Wabash av, Chicago, Ill.
Gaston's N. B. Sons Co. (Pit & Pitless), Beloit, Wis.
Howe Scale Co., Rutland, Vt.
Jones of Binghamton (Inc.), Binghamton, N. Y.
Kansas City Hay Press Co. ("Lightning" Pitless), Kansas City, Mo.
Moline Plow Co. ("McDonald"), Moline, Ill.
Queen City Scale Co. (Repair), 1628 John, Cincinnati, O.
Standard Scale & Supply Co. Ltd. ("The Standard"), 1631 Liberty av, Pittsburg, Pa. *See adv index at end of book*
Stimpson Scale & Electric Co., Northville, Mich.
Strait Scale Co., Kansas City, Kan.
Weeks Scale Works, Mt. Jewett, Pa.
Winslow Government Standard Scale Works (M. H. Winslow, Prop), Terre Haute, Ind.
Zimmerman Steel Co. ("Royal" & "Zimmerman"), Bettendorf, Ia.

## 13052—Scales (Suspended, for Boiler Rooms)

Buffalo Scale Co., Inc., 1205 Niagara, Buffalo, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Richardson Scale Co., Passaic, N. J.
**STANDARD SCALE & SUPPLY CO., LTD.** ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*

## 13053— Scales (Talking)

United Vending Co., Cleveland, O.

## 13054— Scales (Testing)

Chatillon Jno. & Sons (Shell), 85 Cliff, New York
Daigger A. & Co. (Asphalt), 54 W Kinzie, Chicago, Ill.
Delaware Metal Refinery ("Richards" Specific Gravity for White Metals), 18th & Washington av, Phila., Pa.
Fairbanks Co., 416 Broome, New York
Torsion Balance Co. ("Torsion," Cream, Cement, Butter, Sand, etc), 92 Reade, New York

## 13055— Scales (Thermometer & Barometer)

Electro Chemical Engraving Co., 450 19th, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 13056— Scales (Tipple)

Buffalo Scale Co., Inc. (Coal Tipple), 1205 Niagara, Buffalo, N. Y.
Dayton Standard Scale Co., Dayton, Ohio
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Niles Mine & Mill Supply Co., Williamson bldg, Cleveland, O., & Niles, O.
Richardson Scale Co., Passaic, N. J.
Standard Scale & Supply Co., Ltd. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa. *See adv index at end of book*
Strait Scale Co., Kansas City, Kan.
Winslow Government Standard Scale Works (M. H. Winslow, Prop.) (Mine Pan), Terre Haute, Ind.

## 13057— Scales (Track)

Am-Kron Scale Co., 430 E 53d, New York
Barker S. G. & Son, Scranton, Pa.
Beckman Bros. ("American"), Des Moines, Ia.
**BUFFALO SCALE CO., INC.,** 1205 Niagara, Buffalo, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Howe Scale Co., Rutland, Vt.

Jones of Binghamton (Inc.), Binghamton, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**STANDARD SCALE & SUPPLY CO., LTD.** ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Strait Scale Co., Kansas City, Kan.
Winslow Government Standard Scale Works (M. H. Winslow, Prop), Terre Haute, Ind.

## 13058-9—Scales (Trolley Track)

Buffalo Scale Co. Inc., 1205 Niagara, Buffalo, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks E. & T. & Co., St. Johnsbury, Vt.
Strait Scale Co., Kansas City, Kan.
Weeks Scale Works, Mt. Jewett, Pa.

## Scales (Wagon)

See Scales, Platform or Wagon; also Stock & Wagon

## 13060-1—Scalpers (Corn Mill)

Nordyke & Marmon Co. (Round Reel & Hexagon), Kentucky av & Morris, Indianapolis, Ind.

## 13062— Scarifiers

Buffalo Springfield Roller Co., Springfield, O.
**Denver Fire Clay Co., Denver, Colo.**
**Heil Henry Chemical Co., St. Louis, Mo.**

## 13063— Scenic Artists

Armbruster M. & Sons, 249 S. Front, Columbus, Ohio
Graham L. L., Brooklyn, N. Y.
Lash Lee Studios, 308 E 48th, New York
Sosman & Landis Co., 417 S Clinton, Chicago, Ill.
Story O. L. Scenic Co., Somerville, Mass.

## 13064-5— School Supplies

**See also Specific Article Required**

Bradley Milton Co., Springfield, Mass.
Crunden-Martin Mfg. Co. (Crayon, Tablets, Note Books, etc.), 2nd & Gratiot, St. Louis, Mo.
**HAMMETT J. L. CO.**, Kendall sq, Cambridge, Mass.
*See adv index at end of book*
Harron, Rickard & McCone (Manual Training), 139 Townsend, San Francisco, Cal.
Knott L. E. Apparatus Co. (Scientific Laboratory), 79 Amherst, Cambridge, Mass.
Price W. R. Inc. (Manual Training Equipment), 127 5th av. New York
University Apparatus Co., 2229 McGee av, Berkeley, Cal.
Weber C. F. & Co., 365 Market, San Francisco, Cal.

## Scissors Mfrs.

**See Shears & Scissors**

## Scissors (Cigar Cutter)

**See Cutters, Cigar**

## 13066— Scissors (Fluting)

Osborne C. S. & Co., Box 183 Newark, N.J.
*See adv index at end of book*

## 13067— Scissors (Manicure)

Arlington Wks. (The) (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Graef & Schmidt ("Twin Brand" Imp.), 107 Chambers, New York
Schneful Bros., 684 So. 17th, Newark, N. J.

## 13068— Scissors (Poultry)

Graef & Schmidt ("Twin Brand" Imp.), 107 Chambers, New York
Koch F. A. & Co., 524 B'way, New York
**Thurnauer G. M. Co., 6 E 20th, New York**

## 13069— Scissors (Sardine)

Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C. S. & Co. ("Fetter's"), Box 183 Newark, N. J.
*See adv index at end of book*

## 13070— Scleroscopes

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
**SHORE INSTRUMENT & MFG. CO.**, Jamaica, N. Y.

## 13071— Scoops (Boat)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
New York Boat Oar Co. (Wood), 69 West, New York

## 13072— Scoops (Candy)

Maag August Co., 509 W Lombard, Baltimore, Md.
Walker C. L. & Co., 656 W 12th, Erie, Pa.

## 13073— Scoops (Cheese)

Amer. Cutlery Co., 764 Mather, Chicago, Ill.

## Scoops (Coal)

See Shovels, Spades & Scoops

## 13074—Scoops (Family & Grocers')

Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Central Stamping Co., 172 Fulton, New York
National Enameling & Stamping Co., 411 5th av, New York
Wagner Mfg. Co. ("Wagner Ware" Cast Aluminum), Sidney, Ohio

## 13075— Scoops (Furnace)

See also Shovels, Spades & Scoops

American Mfg. Co., Chattanooga, Tenn.
Beall Bros., Alton, Ill.
Chisholm's Wm. Sons Co. (Solid Cast Steel), 1588 E 40th, Cleveland, O.
Conneaut Shovel Co. (Gas House & Furnace Charging), Conneaut, O.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Hussey-Binns Shovel Co. (Cast Steel), 223 4th av, Pittsburgh, Pa. Works, Charleroi, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., 90 W B'way, New York
Kohler F. E. Co., Canton, O.
Ohio Shovel & Stamping Co., Dover, O.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.

## 13076— Scoops (Grain)

American Mfg. Co., Chattanooga, Tenn.
American Shovel & Stamping Co., Lorain Ohio
Beall Bros., Alton, Ill.
Chisholm Wm. Sons Co., 1588 E 40th Cleveland, O.
Conneaut Shovel Co. (D & Long Handle) Conneaut, O.
Duluth Corrugating & Roofing Co., Duluth, Minn.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Hubbard & Co., 63d & Butler, Pittsburgh, Pa.**
Hussey-Binns Shovel Co. (Crucible Cast Steel), 223 4th av, Pittsburgh, Pa. Works: Charleroi, Pa.
Jackson Shovel & Tool Co. ("Ripley"), Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
**Ohio Shovel & Stamping Co., Dover, O.**
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Phila. Scoop Co., 127 Arch, Phila., Pa.
Sommer John Faucet Co., 30 Morris av, Newark, N. J.
Sprout, Waldron & Co., Muncy, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wood Shovel & Tool Co., Piqua, O.

## 13077-8— Scoops (Ice)

Aldrich Mfg. Co., Buffalo, N. Y.
**Hubbard & Co., 63d & Butler, Pittsburgh, Pa.**
Jesup F. W. & Co., Inc., 90 W B'way, New York
Ray Geo. A. Mfg. Co. (Brass & Copper), Buffalo, N. Y.
Walker C. L. & Co., 656 W 12th, Erie, Pa.

## Scoops (Ice Cream)

**See Dishers, Ice Cream**

## 13079—Scoops (Locomotive)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fox Bros. & Co., 126 Lafayette, New York
**Hubbard & Co., 63d & Butler, Pittsburgh, Pa.**
Jesup F. W. & Co., Inc., 90 W B'way, New York
**Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.**

## 13080—Scoops (Potato, Corn, Etc.)

Bissell Edw. J. ("Little Giant" Malleable Iron), Milford, Mich.
**Hubbard & Co., 63d & Butler, Pittsburgh, Pa.**
Jesup F. W. & Co., Inc., 90 W B'way, New York
**Michigan Wire Goods Co. (Wire), Niles, Mich.**
**Pease F. B. Co., Rochester, N. Y.**
**Sholder Excel Mfg. Co. (Wire), Clyde, Ohio**
Thrope F. M. Mfg. Co., Larmar, Mo.

## 13081— Scoops (Scale)

**AMERICAN CAN CO., 120 B'way, New York** *See adv index at end of book*
Consolidated Mfg. Co., Dayton, O.
Fairbanks Morse & Co., 900 S Wabash av, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
McMorran Edw. E. & Co., 126 N Union, Chicago, Ill.
Phila. Scoop Co., 127 Arch, Phila., Pa.

## 13081a— *Scoops (Ship)

**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***

## 13082— Scoops (Tunneling)

Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.

## 13083— *Scoops (Wooden)

**ESTES E. B. & SONS, 364 5th av, New York** *See adv index at end of book*
Sommer John Faucet Co. ("Grain"), 355 Central av, Newark, N. J.

## 13084—*Score Boards (Interchangable Letter)

**Newman Mfg. Co., 717 Sycamore, Cincinnati, O., & 68 N Washington, Chicago, Ill.** *See adv index at end of book*

## 13085—Score Books (Baseball, Etc.)

Gleason Thos. Jay, 1552 Bergen, Brooklyn, N. Y.

## 13085a— Scorifers

Braun-Knecht-Heimann Co. (Colorado), 576-584 Mission, San Francisco, Cal.
Denver Fire Clay Co., Denver, Colo.
Dixon Joseph Crucible Co., Jersey City, N. J.
Mine & Smelter Supply Co., 42 B'way, New York

## 13086—Scourers (Wheat & Buckwheat)

Barnard & Leas Mfg. Co., Moline, Ill.
Beall Improvements Co., Inc., Decatur, Ill.
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Richmond Mfg. Co. ("Niagara"), Lockport, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
Wolf Co., Chambersburg, Pa.

## 13087— Scow Builders

Gray Motor Co. (Motor), Det. Term. R. R. & Mack, Detroit, Mich.
Howard Ship Yards Co. (Scow & Barge), Jeffersonville, Ind.
Lake Erie Drydock & Mill Co., Sandusky, Ohio
Leathen & Smith Towing & Wrecking Co., Sturgeon Bay, Wis.
Manitowoc Ship Building Co. (Steel, Dump, Derrick, etc), Manitowoc, Wis.
Perth Amboy Dry Dock Co. (Brick & Freight), Perth Amboy, N. J.

## 13088— Scows (Fueling)

**BARTLETT C. O. & SNOW CO. (For** Fueling Vessels), Fall, Cleveland, O. *See adv index at end of book*

## 13089— Scrap Aluminum

Aluminum Ware Mfg. Co. Inc., Elmira, N. Y.
du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Erie Iron & Steel Co., Erie, Pa.
Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.
Lakeside Metal & Wool Stock Co., Lakeside av & E 38th, Cleveland, O.
*See adv index at end of book*
Nelson Ira I., 10 High, Boston, Mass.

## 13090—Scrap Brass & Copper

See also Scrap Iron & Steel

Am. Smelting & Refining Co., Cincinnati, Ohio
**Armstrong R. S. & Bro., Atlanta, Ga.**
Bassman & Oislander, 217 Front, New York
Battaglia Bros., 381 Pearl, New York
Beach J. W. Co., Bridgeport, Conn.
Bers E. & Co., 330 S Del av, Phila., Pa.
Birnbaum Bros. & Sack, 133 Roosevelt, New York
Boston Iron & Metal Co., Pratt & Fremont av, Baltimore, Md.
California Iron Yards Co., 554 Bryant, San Francisco, Cal.
Capian Julius H., Lebanon, Pa.
Central Smelting & Refining Co., Borden av & Hayward, Long Island City, N. Y.
Cosby Clarence, Richmond, Va.
Dolgoff Jas. L., Bridgeport, Conn.
du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Duquesne Reduction Co., Farmers' Bank bldg, Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 B'way, New York
Edelstein Carl, 279 Front, New York
Erie Iron & Steel Co., Erie, Pa.
Fort Wayne Smelting & Refining Co., Fort Wayne, Ind.
Goldstein's L. Sons, Allegheny bet Richmond, Phila., Pa.
Grimm Paul, 284 Front, New York
Gruenebaum L., 418 E 7th, Cincinnati, O.
Hanshaft Max, 262 Front, New York
Harris Benj. & Co., 21st & Loomis, Chicago, Ill.
Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.
Hofeller Theo. & Co., Marine Bank bldg, Buffalo, N. Y.
Hudson Iron & Metal Co., ft E 33rd, Bayonne, N. J.
Illinois Smelting & Refining Co., 410 N. Peoria Chicago, Ill.
Jacob Bros., Bridgeport, Conn.
Jacobson I. M. & Sons Co., 70 Catherine, Detroit, Mich.
Kahn Bros., 785 Humboldt, Brooklyn, N. Y
Knight Iron & Metal Co., 27th to 28th & 1st av, Birmingham, Ala.
Knight J. T. & Son, Columbus, Ga.
Lake Erie Smelting & Refining Co., 7900 Bessemer av, Cleveland, O.
Lakeside Metal & Wool Stock Co., Lakeside av & E 38th, Cleveland, O.
*See adv index at end of book*
Lebanon Engineering & Supply Co., Lebanon, Pa.
Lehman Bros., Hoboken, N. J
Lehman Max Metal Co., 507 Newark, Hoboken, N. J.
Levi B. & Co., Scranton, Pa.
London N., 263 Front, New York
London & Sack, 259 Front, New York
Machinery & Equipment Co., Inc., 225 Sherman av, Newark, N. J.


# SCRAP METALS

The Lakeside
Metal & Wool Stock Co.
Lakeside Ave. and E. 38th St.
CLEVELAND, OHIO


Maryland Brass & Metal Works, Calvert & Federal, Baltimore, Md.
Moers E. M. Sons, 183 South, New York
Morrison & Risman, 1437 Bailey av, Buffalo, N. Y.
Nelson Ira I., 10 High, Boston, Mass.
Norristown Iron & Steel Co., Norristown, Pa.
Omaha Metal & Rubber Co., Omaha, Neb.
Oppenheimer J. & Co., 81 Fulton, New York
**POLLOCK MAYER, Pottstown, Pa.**
Progressive Smelting & Metal Corp., 543 W 25th, New York
Pueblo Brass & Iron Foundry, Pueblo, Colo.
**Reubens S. & Bro., 68 Cliff, New York**
Rosenblatt Wm (Inc.), 262 Water, New York
Roth Jacob, 272 Clinton, Detroit, Mich.
Rubber & Metal Supply Co., 157 South, New York
Ruttenberg Bros., Reading, Pa.
Sackler Bros., 186 E 64th, New York
Schnair Jacob, 28 W 128th, New York
**Shapiro Henry, Wilkes-Barre, Pa.**
Shonberg L., 122 Flushing av, Brooklyn, N. Y.
**SMITH MORTON B. CO.,** 241 Front, New York
Sofranscy H. Co., Allentown, Pa.
Star Refining Co., 116 W First, Boston, Mass.
Symansky Bros., Troy, N. Y.
Van Dyke Smelting & Refining Works, Inc.
Wensley Metal Products Co., Denver, Colo.
West Side Metal Refining Co., 1447 S Sangamon, Chicago, Ill.
**Williams & Freedman, Harrisburg, Pa.**
Woodlawn Metal Co. 332 W 26th, New York

## 13091— Scrap Iron & Steel

See also Special List of Scrap Brass and Copper

**This list is published for Purchasing Purposes and comprises only the Largest Firms who make a specialty of Scrap Iron & Steel**

### ALABAMA.

BESSEMER—Bumby H. E.
BIRMINGHAM—Knight Iron & Metal Co., 27th to 28th & 1st av
Southern Iron & Commission Co.
Weller & Co.

### CALIFORNIA.

SAN FRANCISCO—California Iron Yards Co., 554 Bryant
Harley Chas. Co., 650 7th
Natl. Smelting Corpn., 554 Bryant
**San Francisco Iron & Metal Co., 256 North Point**

### COLORADO.

DENVER—Colorado Iron & Metal Co.
Denver Metal & Machinery Co.
PUEBLO—Pueblo Brass & Iron Foundry

### CONNECTICUT.

BRIDGEPORT—Jacob Bros.
WATERBURY—Waterbury Scrap Iron Co.

### DELAWARE.

WILMINGTON—du Pont (E I.) de Nemours & Co., E. I., (Scrap Iron Only)
Stirlith J. A. Bros.

### GEORGIA.

ALBANY—Mayer Daniel
ATLANTA—Armstrong R. S. & Bro.
COLUMBUS—Knight J. T. & Son

### ILLINOIS.

AURORA—Annenberg J. D. & Co.
Joseph Iron Co.
CHICAGO—Alton Iron & Metal Co., 2122 S Loomis
American Iron & Supply Co., 110 S Dearborn
American Wrecking & Salvage Co. (Wholesale), 732 W Harrison, Ill.
Briggs & Turivas, 110 S Dearborn
Grossman M., 560 Maxwell
Harris Benj & Co., 21st & Loomis
Hyman-Michaels Co., People's Gas bldg *See adv index at end of book*
Joseph Isaac Iron Co., 332 S Michigan
Kramer H. & Co., 1330 W 21st pl.
Lanski I. & Son Scrap Iron Co., 2117 S Jefferson
Levine A. & Co., 1461 S State
Lieberman Jos. L. Iron Co., 110 S Dearborn
Lowenthal Co., 947 W 20th
Marks H. Sons, 1045 W 14th
Ohio Iron & Metal Co., 38 S Dearborn
Seffren Scrap Iron & Machy. Co., 213 N Halsted
Silverman H. & Co., 431 S Clinton
Stearn H. & Sons Co., 2259 S Ashland av
U. S. Metal & Mfg. Co., 332 S Michigan av
West Side Metal Refining Co., 1447 S Sagamon
DANVILLE—Cohen David
Danville Iron & Metal Co.
PEORIA—Cohen J. & Son
QUINCY—Rupp Geo. & Bros .Co.
SPRINGFIELD—Barker A. Iron Co.
STREATOR—Tierney Bros.

### INDIANA.

EDINBURG—Kroot Jos.
ELKHART—Elkhart Junk Co.
Winer Samuel & Co.
EVANSVILLE—Fligeltaub Henry
FORT WAYNE—Strasburg's C. Sons
MONTPELIER—McCauley Chas.
MUNCIE—Feinberg Abe
SOUTH BEND—Ciralsky Abraham & Son
TERRE HAUTE—Bogard A.
Terre Haute Rag & Metal Co.
WABASH—Cook Simon Co.

### IOWA.

DES MOINES—Cohen Bros. Iron & Metal Co.
Cohen E. M. & Sons Iron & Metal Co.

### KANSAS.

KANSAS CITY—Sonken-Galamba Iron & Metal Co.

### KENTUCKY.

LOUISVILLE—Hyman Louis P. & Co.
Weber Simon & Son

### LOUISIANA.

NEW ORLEANS—Marx Alphonse & Sons, 1645 Tchoupitoulas

### MARYLAND.

BALTIMORE—Boston Iron & Metal Co., cor Pratt & Freemont av
Bowman Wm., 1325 Eastern av
De Ved & Sons Sash Weight Co., 807 S Howard
Frank Nathan & Sons, 1404 Mullikin
Globe Iron & Metal Co., 116 Key Highway
Hoffman R. C. & Co., Continental Trust bldg
Monumental Iron & Metal Co., 228 W Pratt
Woolford & Thomas, 1726 Thames

### MASSACHUSETTS.

BOSTON—Brackett H. F. & Co., 77 Newman
Butler Thos. & Co., 23 Medford
Clapp C. E. & Co., 170 Summer
Perry, Buxton, Doane Co., First
Nelson Ira I., 10 High
Werby A. & Co., 47 Beverly
CAMBRIDGE—Sovrensky L
CHELSEA—Rosenberg Bros.
DORCHESTER — Roxbury Iron & Metal Co., 140 Granite av
FALL RIVER—Dunn Wm. J.
Ratner M.

LAWRENCE—Gutterson & Gould
LOWELL—Harris A. J. & Co.
NEW BEDFORD—Fox Max
McCullough John
NORTHAMPTON—Carlson & Barger
SPRINGFIELD—Ehrlich A. B. & Co.

### MICHIGAN.

BAY CITY—Helper Bros.
Hirschfield H. & Son
DETROIT—Ginsburg R. L. Sons, Dime Bank bldg
Goldman A. & Co., 2580 W Jefferson av
Riverside Scrap Iron & Metal Co., 530 E Atwater
Robinson D. & Sons, 646 Hastings
Wayne Scrap Iron & Metal Co., 119 Campbell av
IRONWOOD—Michigan Scrap Iron Co.
KALAMAZOO—Gumbinsky Oscar & Bros.
LANSING—Simon A. Iron Co.
SAGINAW—Clinkofstine L. S. & Co.
THREE RIVERS—Three Rivers Iron & Metal Co.

### MINNESOTA.

DULUTH—Duluth Iron & Metal Co.
MINNEAPOLIS—Peoples' Scrap Iron & Metal Co., 1528 N 2d

### MISSOURI.

KANSAS CITY—Pletzman J. & Son
ST. LOUIS—Bierman F. & Sons
Cohen-Schwartz Pail & Steel Co.
Greenspon's Jos. Sons Iron & Steel Co., 67 Branch
Hirsch Cal. & Sons, Mercantile Co. 300 S B'way
Hirsch Rolling Mill Co., Ecoff & Manchester

### NEBRASKA.

OMAHA—Alpirn A. B.
Harding L. & Sons
Omaha Metal & Rubber Co.
Steinberg Nathan

### NEW JERSEY.

BAYONNE—Bayonne Scrap Iron & Metal Co.
Hudson Iron & Metal Co., ft E. 33rd
ELIZABETH—Isaac Hyman Sons Co.
Kaufman David & Sons Co.
JERSEY CITY—Contey Frank, 451 Whiton
Contey Frank Co., 317 Grand
Letcher R. J. & Son, 191 Morgan
Leveson S., 13 Center
NEWARK—Friedman Chas., 5 Beacon
Leonards P. & Sons, 57 River
Liebstein J. & Sons, 1226 Broad
Liebstein T. B., 72 Chestnut
Machinery & Equipment Co., Inc., 225 Sherman av.
Newark Metal Co.
Sangiacomo Sons, 9 Abel
Serratelli's P. Sons, 156 Malvern
WALSH'S SONS & CO., 295-305 Passaic
PATERSON—Lapat L.
Sinn Fred'k
Stamm Max
PHILLIPSBURG—Gibney Iron & Steel Co.
PLAINFIELD—Haskard John S.
TRENTON—Millner Frank

### NEW YORK.

ALBANY—Norton Daniel R.
BUFFALO—Bock M. & Son, Morgan bldg
Buffalo House Wrecking & Salvage Co., Sycamore & Erie RR
Buffalo Waste Paper Co., 98 Terrace
Cohen Isaac H., 111 Pratt
Lenahan Frank & Son, 53 Fulton
Michel Louis & Son, 560 Elk
Morrison & Risman, 1437 Bailey av
Sukernek Louis, Jr., 993 Clinton
Ullman D. Sons
Ullman Jacob, 84 Oneida
NEWBURGH—Hart Patrick

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Blume H. & Son, 536 Myrtle av
Kelly's James T. Sons, 249 Greene
Loewenthal Co., 23 Heyward
Rothschild R., 207 Norman av
Samuels M. & Sons, N 2d
Watson Andw., 44 Withers

#### Boroughs of Manhattan and Bronx.

NEW YORK CITY—Continental Iron & Steel Co., 2 Rector
Eagle Pipe Supply Co., 233 B'way
Hanshaft Max, 262 Front
Harris Burt., 30 Church
Kelleher John J., 89 Tomkins
Leaf E. B. Co., 50 Church
London N., 263 Front
Lowy D. & Co., 66 10th av
Metropolitan Iron & Steel Co., 560 W 26th
Oppenheimer J. & Co., 81 Fulton
Rubber Waste Co., 152 Lincoln
Schoolhouse J. Co., 293 Rider av
Smith Thos. & Son, 75 Pike Slip
Ziegler & Co., Morris av & 144th

#### Borough of Queens.

LONG ISLAND CITY—Daly Jno. J. Iron, Steel & Metal Co., 101 Nott av

**(End of New York City)**

OLEAN—Bock Leo
ROCHESTER—Coates, Bennett & Reidenbach
Millard Geo P. Co.
Wilson Wm. H.. Iron Woks
SYRACUSE—Hurwitz Bros. Iron & Metal Co.
TROY—Symansky Bros.
Troy Scrop Iron & Metal Co.
UTICA—Baxter T. W. Co.
WATERVLIET—Security Steel & Iron Co.

### NORTH CAROLINA.

CHARLOTTE—Yarbrough & Bellinger Co.

### OHIO.

AKRON—American Scrap Iron Co. (Rails, Beams, etc)
ALLIANCE—Galansky Thos.
CANTON—Canton Iron & Metal Co.
CINCINNATI—Fettig Jos., 1910 Plum
Hilb & Bauer, Union Tr. bldg
Hils Chas. L. Co., 832 Reedy
Joseph Isaac Iron Co., 528 Reading rd
Joseph Joseph & Bro. Co.
Klein & Cohn, 518 Hannibal
Moskowitz Bros., 7th & Freeman
Watelsky & Co., 307 Baymiller
CLEVELAND—Cohen M. & Son Co., 1252 E 55th
Fishel & Marks, ft. of Krakow av
*See adv index at end of book*
Grodin Bros., 1232 E 38th
Hirsch G. & Co., 437 Prospect
Koblitz-Kohn Co., 2374 Canal rd
Lakeside Metal & Wool Stock Co., Lakeside av & E 38th
*See adv index at end of book*
McCarthy W. B., Rose bldg
National Sales & Trading Co.
Sanger A. I., National City bldg
Schwarzenberg E. A., Guardian bldg
Shaw A. Co., 976 E 67th
Silberman Morris & Son, 2418 B'way
Silverman, H. & Co., 421 S Clinton
COLUMBUS—Kilbourne M. & Co., 24 W Mound
Schonthal Joseph Iron Co.
DAYTON—Dayton Iron & Metal Co.
Israel Bros. Iron & Metal Co.
ELYRIA—Elyria Belting & Machinery Co.
HAMILTON—Wolf & Co.
MARIETTA—Buckeye Supply Co.
La Crosse Scrap Iron & Metal Co.
Producers' Supply & Tool Co.
PIQUA—Ohio Scrap Iron & Metal Co.
Piqua Paper Box Co.
SANDUSKY—Cohen Jos. M.
Weier Bros.
SPRINGFIELD—Schadel J. & Co.
TOLEDO—Gerson L & Son
Raymon David
Rosen Henry
Shuer-Woodruff Iron & Metal Co.
Toledo Scrap Iron & Metal Co., Ohio bldg
YOUNGSTOWN—Wilkoff Co.

### PENNSYLVANIA.

ALLENTOWN—Fechheimer Steel & Iron Co.
Sofranscy H. Co.
ALTOONA—Abelson A.
BEAVER FALLS—Solomon Jos.
Solomon Moses
BIRDSBORO—Birdsboro Iron & Steel Breaking Co. (Ltd.)
COATESVILLE—Gerson Samuel
ERIE—Erie Iron & Metal Co.
Erie Iron & Steel Co.
FRANKLIN—Carnick R.
HARRISBURG—Harrisburg Iron & Steel Co.
Michlovitz & Co.
Williams & Freedman
JOHNSTOWN—Cambria Junk Co.
LEBANON—Brenner L. & Co.
Caplan Julius H.
Donaghmore Iron & Steel Co.
Lebanon Engineering & Supply Co.
MIDDLETOWN—Middletown Iron, Metal & Coal Co.
NORRISTOWN—Furlong Andrew J.
Mann Bros.
Norristown Iron & Steel Co.
PHILADELPHIA—Bers E. & Co., 330 S Delaware av
Caine John J., North American bldg
Dallett & Co., Harrison bldg
De Cou Richard Co., 12th & Noble
Dreifus Chas. Co., Pennsylvania bldg
Dreifus Emanuel & Co., Comm'l Tr. bldg
Fraley's S. C. Sons, 515 Richmond
Gillingham H. F. & Co., 1013 N Front
Girard Iron & Metal Co., E York & Aramingo av
Goldstein's L. Sons, Allegheny bl. Richmond
Halpern Isaac Bros. & Co., 1333 N Front
Hitner's Hy. A. Sons Co. (Also Metals, etc), Gaul & Hazzard
Hoffer Allen R. & Co., Penna. bldg
Houston C. B. & Co., Liberty bldg
Johnson Geo. T. & Co., Commercial Trust bldg
Johnson, Sharp & Co., Widener bldg
Keeley Jerome & Co., 421 Chestnut
Kensington Iron & Metal Co., 1011 E Susquehanna av
Law Ernest & Co., Harrison bldg
Leaf E. B. Co., Real Estate Trust bldg
Mohr J. J. & Son (Old Car Wheels, etc), Bullitt bldg
Newkirk Jno B. & Co., Harrison bldg
Purves Machinery & Iron Co., South & Water
SAMUEL FRANK, Harrison bldg
*See adv index at end of book*
Weil's Morris Sons, 837 N 3d
Wheeler, Mifflin & Co., Commercial Trust bldg
Wittmann N. B. & Co., Commercial Trust bldg
Wood A. M. & Co., Finance bldg
PITTSBURGH—Bell Bros., 27th & A. V. Ry
Dreifus Chas. Co., Oliver bldg
Frank M. K., Frick bldg
Green L. A., First Nat'l Bk. bldg
Hausman & Wimmer Co., 111 2d av
Jones J. B. & Co., 712 Lacock
Keystone Iron & Metal Co., Bessemer bldg
Koehler J. P. Co., 2837 Smllmn
Koehler & Streng Co., Noblestown rd
Levinson, Schubb & Caplan, 35 Pride
McLean Geo. A. & Co., 915 Beaver
Maloney T. J., A V R R & 29th
Moore Edgar M. & Co., Farmer's Bank bldg
Riccordino Angelo, 1014 Webster av
Soracco John J., 116 3d av
Speer M. B. & Co., 515 Reedsdale
Stalnaker Steel Co., Frick bldg
Streng M. Sons Co., River & Warfield
Timble H. N., Oliver bldg
PITTSTON—Adelson Mose D.
POTTSTOWN—Pollock Mayer
POTTSVILLE—Brenner & Weiner Co.
PUNXSUTAWNEY—Light A. L.
READING—Grieshaber Wm.
Luria Bros. & Co.
Isecovitz Morris
Ruttenberg Bros.
SCRANTON—Levi B. & Co.
SHARON—Sharon Iron & Metal Co.
Speer M. Iron & Metal Co.
WILKES-BARRE—Fisher E. J. & Co.
Shapiro Henry
WILLIAMSPORT—Bloom W. & Co.
YORK—Luria Rag Co.

### RHODE ISLAND.

PROVIDENCE—Higgins J. H. Co., 198 Globe, Broadway
Pettis B. H. Co., 102 Harris av

### TENNESSEE.

KNOXVILLE—Tillery J. F. Iron Co.
MEMPHIS—Memphis Iron & Metal Co.

SCRAP IRON & STEEL—continued

**TEXAS.**

HOUSTON—Kaminsky Louis Co.

**VIRGINIA.**

RICHMOND—Cosby Clarence
Nott F. H.
Virginia Iron & Metal Co., 7th & Semmes.

**WASHINGTON.**

TACOMA—Wallis & Sons

**WISCONSIN.**

KENOSHA—Northeastern Iron & Metal Co.
MILWAUKEE—Benesch Jos. & Co., 1264 S Pierce
Cassel A. A. Metal Co., 306 Milwaukee
Fox-Pioneer Scrap Iron Co.
Seeboth Bros. Co., 111 Reed
RACINE—Northwestern Iron & Metal Co.

## 13092— Scrap Lead

Bassman & Oislander, 217 Front, New York
California Iron Yards Co., 554 Bryant, San Francisco, Cal.
Caplan Julius H., Lebanon, Pa.
du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Erie Iron & Steel Co., Erie, Pa.
Harris Benj. & Co., 21st & Loomis, Chicago, Ill.
Knight Iron & Metal Co., 27th to 28th & 1st av, Birmingham, Ala.
Knight J. T. & Son, Columbus, Ga.
Lakeside Metal & Wool Stock Co., Lakeside av & E 38th, Cleveland, O.
*See adv index at end of book*
Lehigh Chemical Co. Allentown, Pa.
Lehman Max Metal Co., 507 Newark, Hoboken, N. J.
Machinery & Equipment Co., Inc., 225 Sherman av, Newark, N. J.
Nelson Ira I., 10 High, Boston, Mass.
Sofranscy H. Co., Allentown, Pa.

## 13093— Scrap Paper

Erie Iron & Steel Co., Erie, Pa.

## 13094— Scrap Rubber

Adrian Iron & Metal Co., Adrian, Mich.
Albert L. & Son, Trenton, N. J.
Alliance Iron & Metal Co., Alliance, O.
American Iron & Metal Co., 140 Oliver, Boston, Mass.
American Paper Stock Co., 297 Orleans, Detroit, Mich.
Armstrong R. S. & Bro., Atlanta, Ga.
Askan Rubber Co., Milford, Conn.
Barker A. Iron Co., Springfield, Ill.
Berry James & Son, Brockton, Mass.
Bers E. & Co., 330 S Del. av, Phila., Pa.
Berzen Nat. E., 232 South, New York
Bierman F. & Sons, St. Louis, Mo.
Binghamton Metal & Paper Co., Binghamton, N. Y.
Birkenstein S. & Sons, 377 W Ontario, Chicago, Ill.
Birnbaum Bros. & Sack, 133 Roosevelt, New York
Bloom W. & Co., Williamsport, Pa.
Blumberg L., 335 N 4th, Phila., Pa.
Buffalo Waste Paper Co., 98 Terrace, Buffalo, N. Y.
Carlson & Barger, Northampton, Mass.
Chapman & Resnick, 1361 S Morgan, Chicago, Ill.
Clapp C. E. & Co., 170 Summer, Boston, Mass.
Cohen D., Danville, Ill.
Coleman W. C. Co. (Imp & Exp), 161 Summer, Boston, Mass.
Contey Frank, 451 Whiton, Jersey City, N. J.
Cummings Wm. H. & Sons, 60 Harrison, New York
Dayton Iron & Metal Co., Dayton, O.
du Pont (E. I.) de Nemours & Co., Wilmington, Del.
Electric Rubber Reclaiming Co., Barberton, Ohio
Erie Iron & Metal Co., Erie, Pa.
Erie Iron & Steel Co., Erie, Pa.
Feinburg David Co., 11 B'way, Chelsea, Mass.
Feldman H. & Co., 324 S Delaware, Phila., Pa.
Fettig J., 1910 Plum, Cincinnati, O.
Frank Nathan & Sons, 1404 Mullikin, Baltimore, Md.
Frankel Bros. & Co., Rochester, N. Y.
Frederick Iron & Metal Co., 235 Harrison, Baltimore, Md.
Friedman Chas., 5 Beacon, Newark, N. J.
Galansky Thos., Alliance, O.
Gilinsky M., Trenton, N. J.
Globe Iron & Metal Co., 116 Key Highway, Baltimore, Md.
Goldwater J. M., 943 N American, Phila., Pa.
Grieshaber Wm., Reading, Pa.
Grimm Paul, 284 Front, New York
Grodin Bros., 1233 E 38th, Cleveland, O.
Gumbinsky Oscar & Bros., Kalamazoo, Mich.
Hanshaft Max, 262 Front, New York
Harding L. & Sons, Omaha, Neb.
Hausman & Wimmer Co., 111 2d, Pittsburgh, Pa.
Helper Bros., Bay City, Mich.
Hils Chas. L. Co., 832 Reedy, Cincinnati, Ohio
Hofeller Theo. & Co., Marine Bank bldg, Buffalo, N. Y.
Hofeller-Loesser Co., Depew, N. Y.
Jameson, Rabinovitch & Jameson, 1510 Newberry av, Chicago, Ill.
Kaplan L., Salem, O.
Kilbourne M. & Co., 24 W Mound, Columbus, O.
King W. H., 149 S Hancock, Philadelphia, Pa.
Klein & Cohn, 518 Hannibal, Cincinnati, Ohio
Knight Iron & Metal Co, 27th to 28th & 1st av, Birmingham, Ala.
Knight J. T. & Son, Columbus, Ga.
Koblitz-Kohn Co., 2374 Canal rd, Cleveland, O.
Leonardis P. & Sons, 57 River, Newark, N. J.
Levi M. A., Rochester, N. Y.
Loewenthal Co., 23 Heywood, Brooklyn, N. Y.
Loveland A. C. & Co., Hartford, Conn.
Lublin B. & Son, Hartford, Conn.
Luria Rag Co., York, Pa.
McCrery Philip, Trenton, N. J.
McTague Martin F., 1221 Bainbridge, Phila., Pa.
Meyer Bros., 234 Front, Philadelphia, Pa.
Millard Geo. P. Co., Rochester, N. Y.
Moskowitz Bros., 7th & Freeman, Cincinnati, O.
Muehlstein H. & Co., 114 W Van Buren, Chicago, Ill.
Naporano Louis, 17 Van Buren, Newark, N. J.
Nelson Ira I., 10 High, Boston, Mass.
Norton Daniel R., Albany, N. Y.
Norton M. & Co., Charlestown, Boston, Mass.
Nott F. H., Richmond, Va.
Omaha Metal & Rubber Co., Omaha, Neb.
Oppenheimer & Co., Buffalo, N. Y.
Pittsfield Junk Co., Pittsfield, Mass.
Raymond Rubber Co, Titusville, N. Y.
Riccordino A., 1010 Webster, Pittsburgh, Pa.
Robinson D. & Sons, 646 Hastings, Detroit, Mich.
Rosenberg Bros., Chelsea, Mass.
Rosenthal H. A., Trenton, N. J.
Rosenthal's J. Sons, 190 W. Berks, Phila., Pa.
Rubber & Metal Supply Co., 157 South, New York
Rubber Waste Co., 152 Lincoln, New York
San Giacomo Sons, 9 Abel, Newark, N. J.
Sarachan & Rosenthal, Rochester, N. Y.
Schnurmann J. (Imp.), 30 Church, New York
Sofranscy H. Co., Allentown, Pa.
Sonken Galamba Iron & Metal Co., North 2nd, Kansas City, Kans.
Staiman Bros., Williamsport, Pa.
Stedman J. H. Co., South Braintree, Mass.
Topper Bros., Kimball & Mitchell, Columbus, O.
Trenton Scrap Rubber Supply Co., Trenton, N. J.
Ullman D. Sons, Buffalo, N. Y.
Verrone L., 209 Charlton, Newark, N. J.
Watelsky & Co., 807 Baymiller, Cincinnati, O.
Wells M. Sons, 837 N 3d, Phila., Pa.
West Side Metal Refining Co., 1447 S Sangamon, Chicago, Ill.
Yorkville Scrap Rubber & Metal Co., 260 W 53d, New York

## 13095— Scrap Tin

Bassman & Oislander, 217 Front, New York
Birnbaum Bros. & Sack, 133 Roosevelt, New York
Caplan Julius H., Lebanon, Pa.
Erie Iron & Steel Co., Erie, Pa.
Knight Iron & Metal Co., 27th to 28th & 1st av, Birmingham, Ala.
Knight J. T. & Son, Columbus, Ga.
Lakeside Metal & Wool Stock Co., Lakeside av & E 38th, Cleveland, O.
*See adv index at end of book*
Lehman Max Metal Co., 507 Newark, Hoboken, N. J.
Nelson Ira I., 10 High, Boston, Mass.
Rosenblatt Wm. (Inc.), 262 Water, New York
Rothschild R., 207 Norman av, Brooklyn, N. Y.
Sofranscy H. Co., Allentown, Pa.

## 13096— Scrap Zinc

Bassman & Oislander, 217 Front, New York
California Iron Yards Co., 554 Bryant, San Francisco, Cal.
Caplan Julius H., Lebanon, Pa.
Erie Iron & Steel Co., Erie, Pa.
Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.
Knight Iron & Metal Co., 27th to 28th & 1st av, Birmingham, Ala.
Knight J. T. & Son, Columbus, Ga.
Lakeside Metal & Wool Stock Co., Lakeside av & E 38th, Cleveland, O.
*See adv index at end of book*
Lehman Max Metal Co., 507 Newark, Hoboken, N. J.
Nelson Ira I., 10 High, Boston, Mass.

## 13097—Scraper-Sets (Carbon)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.

## 13098— Scrapers (Bakers')

Watkins James Y. & Son, 20 Catherine, New York

## 13099— Scrapers (Bearing)

Buffum Tool Co. ("Swastika," Three Cornered Automobile, Curved & Engineers' Sets), South Side, Louisiana, Mo.
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.
Harrold Tool & Forge Co. (Hand Forged), Columbiana, O.
Marcy Tool Works, Putnam, Conn.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Vlchek Tool Co. ("Vlchek," Machinists' Automobile & Non-Chatering), 8701 Mt. Auburn av, Cleveland, O.

## Scrapers (Boiler Flue or Tube)

See Cleaners, Boiler Flue or Tube

## 13100—Scrapers (Box & Plumbers')

Atkins E. C. & Co. (Floor & Cabinet Bench), Indianapolis, Ind.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Bridgeport Hardware Mfg. Corp. ("Perfection"), Bridgeport, Conn.
Browne & Dowd Mfg. Co. (Plumbers), Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Carver Tool Works, Spring Valley, N. Y.
Chapin-Stephens Co., Pine Meadows, Conn.
Dicke Tool Co. (Also Barrel), Downers Grove, Ill.
Drew C. & Co., Kingston, Mass.
Gramme L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Marine Hardware-Equipment Co. ("Acme" & "Mheco"), So. Portland, Me.
*See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.

Potter Mfg. Co. (Triangular Steel Blade, Box Only), Geneva, O.
Sargent & Co. ("New Haven Edge Tool Co."), New Haven, Conn.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Stanley Rule & Level Co., New Britain, Conn.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
S. & I. Co., Springfield, Mass.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B." Box Only), 2114 Carroll av, Chicago, Ill.
Weston Thos. B. (Box), 708 Light, Baltimore, Md.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 13101—Scrapers (Broom Corn)

Shaw, Welsh & Co. ("Galesburg"), Galesburg, Ill.

## 13102—Scrapers (Butchers' Block)

Barr Bros., Oakland, Cal.
Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Brecht Co., 1201 Cass av, St. Louis, Mo.
Browne & Dowd Mfg. Co., Meriden, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chatillon John & Sons, 85 Cliff, New York
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
**STARRETT L. S. CO. (THE), Athol, Mass.**
*See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.
Worcester Brush & Scraper Co., Worcester, Mass.

## 13103—Scrapers (Cabinet, Etc.)

Bishop Geo. H. & Co., Lawrenceburg, Ind.
Browne & Dowd Mfg. Co., Meriden, Conn.
Buckeye Mfg. & Fdry. Co., 2046 W 55th, Cleveland, Ohio
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Disston Hy. & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Jennings C. E. & Co., 71 Murray, New York
Sargent & Co., New Haven, Conn.
S. & I. Co., Springfield, Mass.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
**STARRETT L. S. CO. (THE), Athol, Mass**
*See adv index at end of book*
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Weber Mfg. Co., West Allis, Wis.

## Scrapers (Carbon)

See Scraper-Sets, Carbon

## 13104— Scrapers (Coke)

Mineral Ridge Mfg. Co., Mineral Ridge, O.
New Castle Steel & Iron Co., Pittsburgh Pa.
Niles Mine & Mill Supply Co., Cleveland, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.

## 13105-6—Scrapers (Confectioners' & Bakers')

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Marine Hardware Equipment Co., South Portland, Me.
*See adv index at end of book*

## 13107— Scrapers (Cotton)

Avery B. F. & Sons, Louisville, Ky.
Blount Plow Works, Evansville, Ind.
Brinly Hardy Co. (White), Louisville, Ky.
Empire Plow Co., 3140 E 65th, Cleveland, Ohio
Hall Jas. H. Plow Co., Maysville, Ky.
Hartig W. F. Plow Co., Evansville, Ind.
Ohio Cultivator Co., Bellevue, O.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Parlin & Orendorff Co. ("P. & O."), Canton, Ill.
Rock Island Plow Co., Rock Island, Ill.
Southern Plow Co., Columbus, Ga.
Towers & Sullivan Mfg. Co., Rome, Ga.
White's S. R. Sons (Inc.), Norfolk, Va.

## Scrapers (Drag Wheel)

See Road Scrapers, Drag & Wheel

## 13108— Scrapers (Floor)

Dikeman Mfg. Co. ("Dikeman," Hand Rest, for Floors, Woodwork, etc), Norwalk, Conn.
Duncan Bros. & Wray Co. ("Perfection," "Wray"), Ludlow Falls, O.
Foote I. B. Foundry Co., Fredericktown, Ohio
Fox Supply Co., Brooklyn, Wis.
Getz M. & Co., 162 First, San Francisco, Cal.
Goodell-Pratt Co., Greenfield, Mass.
Haven Mfg. Co. ("Haven"), Racine, Wis.
Kepplinger Geo. J. ("Boss"), Dwight, Ill.
Kuster J. A. ("Common Sense"), Plymouth, Wis.
Nicholls Mfg. Co. ("Nicholls" Non-Vibrating), Ottumwa, Ia.
Osborn Mfg. Co. (Squeezers), 5401 Hamilton, Cleveland, O.
*See adv index at end of book*
**Rock Island Mfg. Co. ("Black Hawk"), Rock Island, Ill.**
Schlueter M. L., 225 W Illinois, Chicago, Ill.
**STARRETT L. S. CO. (THE)** (For Floors, Benches, etc.), Athol, Mass.
*See adv index at end of book*
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Stortz John & Son, 210 Vine, Phila., Pa.
Weber Mfg. Co., West Allis, Wis.

## 13109— Scrapers (Foot)

Arcade Mfg. Co. ("Arcade"), Freeport, Ill
Grey Iron Casting Co., Mt. Joy, Pa.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
National Mfg. Co. (Self-Cleaners, "Upright," Wrought Steel), Sterling, Ill
Peck, Stow & Wilcox Co., Southington Conn.
Pratt Wm. E. Mfg. Co. (Steel), 35 W Lake Chicago, Ill.
Reading Hardware Co., Reading, Pa.
Richards-Wilcox Mfg. Co. ("Richards-Wilcox" Steel), Aurora, Ill.
**Rock Island Mfg. Co., Rock Island, Ill.**
Sargent & Co., New Haven, Conn.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.
Sterling Foundry Co. (For Concrete Walks), Sterling, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Weller Hdwe. & Fdry Co. (Cast), Horseheads, N. Y.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

## 13110— Scrapers (Hog)

Brecht Co., 1201 Cass av, St. Louis, Mo.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cincinnati Butchers Supply Co. (Revolving Belt), 2008 Central av, Cincinnati, O.
Hessler H. E. Co. (Reversible), Syracuse N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Rollman Mfg. Co. (Ltd.) (Flange), Mt. Joy, Pa.
Superior Sheet Metal Works Co. (Double End), 3201 Roosevelt av, Indianapolis, Ind.
Troy File Works (Reversible), Troy, N. Y.
Vaughan & Bushnell Mfg. Co. ("V. & B." Sheet Steel), 2114 Carroll av, Chicago, Ill.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 13111—Scrapers (Ice Cream Can)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Giles & Nielsen Nickel Works, Troy, N. Y.
Maag August Co., 509 W Lombard, Baltimore, Md.
Stortz John & Son, 210 Vine, Phila, Pa.

## Scrapers (Kettle)

See Scrapers, Pot & Kettle

## 13112—Scrapers (Machinists')

Disston Hy. & Sons (All Kinds), Tacony, Phila., Pa.

## Scrapers (Miners')

See Miners' Needles & Scrapers

## 13113-4—Scrapers (Painters' & Paperhangers')

Allen A. & Co., 2001 Carpenter, Phila., Pa.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Browne & Dowd Mfg. Co., Meriden, Conn.
Bullock Mfg. Associates, Springfield, Mass.
Cassady Fairbank Mfg. Co. (Painters' Wall, etc), 6126 S La Salle, Chicago, Ill.
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
McNiece Wm. & Son, 515 Cherry, Phila., Pa.
Meriden Cutlery Co., Meriden, Conn.
Ontario Knife Co., Franklinville, N. Y.
White Ira F. & Son Co., Bloomfield, N. J.

## 13115—Scrapers (Placer Dredging)

Seattle Machine Works (Automatic), 51 W Lander, Seattle, Wash.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

## 13116— Scrapers (Plate)

Cassady Fairbanks Mfg. Co. ("Foskett" Noiseless), 6126 S La Salle, Chicago, Ill.
Racine Iron & Wire Works, Racine, Wis.

## 13117—Scrapers (Pot & Kettle)

See also Chains, Pot

Browne & Dowd Mfg. Co. ("Gem"), Meriden, Conn.
Cassady Fairbank Mfg. Co. (Flexible, Ball Joint, "Buckeye"), 6126 S La Salle, Chicago, Ill.
Christy Knife Co. (Flexible), Fremont, O.
Kohler F. E. Co. (Flexible), Canton, O.
Rocky Hill Hardware Co., Rocky Hill, Conn.
Royal Mfg. Co., 406 Commerce, Phila., Pa.
Stortz John & Son, 210 Vine, Phila., Pa.
Streeter N. R. & Co. ("Sensible" Chain), Rochester, N. Y.

## 13118—Scrapers (Road & Pavement)

Jackson Mfg. Co., Harrisburg, Pa.
Lay Jos. Co. (Steel Push), Ridgeville, Ind.
Toy W. M. & Co. (Automatic), 10 E Shelby, Sidney, O.

## 13119—Scrapers (Ship & Tree)

Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chapin-Stephens Co., Pine Meadows, Conn.
Drew C. & Co., Kingston, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Marine Hardware Equipment Co. ("Acme" & "Mheco"), South Portland, Me.
*See adv index at end of book*
**NICHOLS BROS.** ("Nichols Bros" Ship), Greenfield, Mass.
Stortz John & Son, 210 Vine, Phila., Pa.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.
White L. & I. J. Co., 120 Columbus, Buffalo, N. Y.
Wilcox, Crittenden & Co. Inc., Middletown, Conn. *See adv index at end of book*

## Scrapers (Sidewalk)

See Cleaners, Pavement

## 13119a—*Scrapers (Sleet)

Nuttall R. D. Co. (For Removing Sleet from Trolley Wires), Pittsburgh, Pa.
*See adv index at end of book*

## 13120-1—Scrapers (Snow, for Cars)

Gifford-Wood Co., Hudson, N. Y.
Root Spring Scraper Co. ("Root," Spring Scrapers), Kalamazoo, Mich.
St. Louis Car Co. (For Railroads), 8000 N B'way, St. Louis, Mo.

## 13122— Scrapers (Stove)

American Mfg. Co. ("No-Rust"), Chattanooga, Tenn.
Auer John Jr. (Wrought Stove Flue), 197 Middleton, Brooklyn, N. Y.
Fanner Mfg. Co., Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, Cleveland, O.
National Enameling & Stamping Co., 411 5th av, New York
Ohio Nut & Bolt Co., Berea, O.
Parker Wire Goods Co. (For Stove Flues), Worcester, Mass.
Stover Mfg. & Engine Co., Freeport, Ill.
Wehrle Co., Newark, O.
Wire Goods Co. (For Stove Flues), Worcester, Mass.

## 13123— Scrapers (Street)

Jackson Mfg. Co., Harrisburg, Pa.
Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*
Toy W. M. & Co., 10 E Shelby, Sidney, O.

## 13124—Scrapers (Sweat, for Horses)

North & Judd Mfg. Co. ("Anchor Brand" Flexible), New Britain, Conn.

## 13124a— Scrapers (Track)

See also Cleaners, Track

**COLONIAL SUPPLY CO.**, 217 Water, Pittsburgh, Pa.
*See adv index at end of book*

## 13125— Scrapers (Wall)

Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
Jennings C. E. & Co. ("C. E. J. & Co.'s," "Clark's"), 71 Murray, New York
Kohler F. E. Co., Canton, O.
Ontario Knife Co., Franklinville, N. Y.
Reading Saddle & Mfg. Co., Reading, Pa.
Richard Stephen Co. ("S. R."), Southbridge, Mass.
**SMITH & HEMENWAY CO., INC.** ("Red Devil"), 261 H B'way, New York; 130 H Colt, Irvington, N. J.
*See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.
Utility Mfg. Co. ("Ziegler," Four Edge), 11 N 6th, Phila., Pa.
White Ira F. & Son Co., Bloomfield, N. J.

## 13126-7— Scrapers (Wire)

Dicke Tool Co. ("Perry"), Downers Grove, Ill.
Sibley Pitman Electrical Corp. ("Climax"), 190 6th av, New York

## Scratch Brushes (Wire)

See Brushes, Steel Wire

## 13128— Screen Door Sets

Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
**STANLEY WORKS**, New Britain, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 13128a— Screens (Bagging)

Jelliff C. O. Mfg. Corp., Southport, Conn.
Ross William, 407 No Peoria, Chicago, Ill.

## 13128b—*Screens (Balanced)

Robins Conveying Belt Co., 13 Ann, New York *See adv index at end of book*

## 13129—Screens (Bank Counter)

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
**DAHLSTROM METALLIC DOOR CO.** (Metal), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Gorham Co., Archl Bronze, 5th & 36th, New York
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## 13130— Screens (Bar)

Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Sanford-Day Iron Works, Knoxville, Tenn.
Savage W. J. Co., Knoxvile, Tenn.

## 13131— Screens (Car)

Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Nedrow Mfg. Co., Caledonia, N. Y.
St. Louis Car. Co., 8000 N B'way, St. Louis, Mo.
Watson Mfg. Co., Jamestown, N. Y.
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

## 13132—Screens (Clay & Cement)

Alloy Steel Forging Co., Carnegie, Pa.
American Clay Working Machinery Co., S Walnut, Bucyrus, O.
*See adv index at end of book*
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Anderson Foundry & Machine Works (Revolving), Anderson, Ind.
Chambers Bros. Co. ("H. C. Virgin," For Clay Only), 52d, bel. Lancaster av, Phila., Pa.
Cleveland Wire Cloth & Mfg. Co. (Cement Cloth, 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Cross Engineering Co., Carbondale, Pa.
Dunlap Mfg. Co., Bloomington, Ill.
**ERDLE PERFORATING CO.**, 181 York, Rochester, N. Y.
*See adv index at end of book*
Howard & Morse, 45 Fulton, New York
Industrial Supply Co., Keokuk, Ia.
International Clay Machinery Co., Dayton, O.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, O.
Manufacturers' Equipment Co., Dayton, O.
Multi-Metal Separating Screen Co. (Double Crimped Cement), 251 W 19th, New York
**NEWARK WIRE CLOTH COMPANY**, 223 Verona av, Newark, N. J.
*See adv index at end of book*
Peerless Wire Goods Co., Lafayette, Ind.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2nd & Lombard, St. Louis, Mo.
Traylor Engng & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

## Screens (Coal)

See Screens, Sand, Coal & Gravel; also Screens, Revolving & Shaking

## 13133— Screens (Cylindrical)

Alloy Steel Forging Co., Carnegie, Pa.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Case J. I. Threshing Machine Co. (for rock), Racine, Wis.
Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Hendrick Mfg. Co., Carbondale, Pa.
Howard & Morse, 45 Fulton, New York
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
Johnston & Chapman Co. ("John O'Laughlin's"), 2925 Carroll av, Chicago, Ill.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Savage W. J. Co., Knoxville, Tenn.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

## 13134— Screens (Decorative)

Aeroshade Co., Waukesha, Wis.
Burrowes E. T. Co. (Folding), Portland, Me.
Lamb Geo. L. (Folding, etc), Nappanee, Ind.
Syracuse Screen & Grille Co. (Folding, etc), North Manchester, Ind.

## 13135-6—Screens (Diaphragm)

Baker Mfg. Corp. ("Monarch" for Paper Mills), Saratoga Springs, N. Y.
Harmon C. A. & Sons ("Harmon" for Paper Mills), Watertown, N. Y.

## Screens (Door)

See Screens, Window & Door

## 13137-8 — Screens (Fat & Bone Washing, Etc.)

**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*


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## 13139— Screens (Filter)

Newark Wire Cloth Company, 223 Verona av, Newark, N. J.
*See adv index at end of book*
Standard Wire Co. ("Danck" for Sugar Plants), New Castle, Pa.

## Screens (Fire Place)

See Fire Place Furnishings

## 13140— Screens (Fish)

Burpee & Letson, Ltd. ("Rowley" for Irrigated Ditches)' Bellingham, Wash.

## 13141—Screens for Water Works

Coldwell-Wilcox Co. (For Purifying Water), Newburgh, N. Y.
Howard & Morse, 45 Fulton, New York
Western Metal Products Co., 731 N Wells, Chicago, Ill.
*See adv index at end of book*

## 13142— Screens (Foundry)

Belmer H. Co., 628 W 3d, Cincinnati, O.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Howard & Morse, 45 Fulton, New York
**MEYERS FRED. J. MFG. CO., Hamilton, O.** *See adv index at end of book*
Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.
Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

## 13143—Screens (Gravel Washing)

Beckley Perforating Co. (Triple, for Sand & Gravel), Garwood, N. J.
Biesanz Stone Co., Winona, Minn.
Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Littleford Bros. 444 E Pearl, Cincinnati, O.
Peerless Wire Goods Co. (Wire), Lafayette, Ind.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Stephens-Adamson Mfg. Co. ("S. A."), Aurora, Ill.
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

## 13144— Screens (Gravity)

**HOLMES ROBT. & BROS.** (For Coal Mines), Danville, Ill.
*See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Savage W. J. Co., Knoxville, Tenn.
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*
William A. Box Iron Works Co., 330 Blake, Denver, Colo.

## 13144a— Screens (Grizzly)

Robins Conveying Belt Co., 13 Ann, New York *See adv index at end of book*

## 13144b—Screens (Insect Wire)

**Nedrow Mfg. Co., Caledonia, N. Y.**

## 13144c—Screens (Laboratory)

Mine & Smelter Supply Co., Denver, Colo.
Multi Metal Co., Inc., 251 W 19th, New York
**NEWARK WIRE CLOTH CO.**, 222-230 Verona av, Newark, N. J.
*See adv index at end of book*
Sturtevant Mill Co., Clayton & Park, Dor., Boston, Mass.
Western Metal Products Co., 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 13145—Screens (Manganese Steel)

Alloy Steel Forging Co., Carnegie, Pa.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

## 13146— Screens (Mining)

Allis-Chalmers Mfg. Co. (Coal Shaking), Milwaukee, Wis.
Alloy Steel Forging Co., Carnegie, Pa.
**American Manganese Steel Co. ("Amsco"** Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Belmer H. Co., 628 W 3d, Cincinnati, O.
Brainard Pulverizer Co., Old Colony bldg, Chicago, Ill.
**Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.** *See adv index at end of book*
California Perforating Screen Co., 416 Harrison, San Francisco, Cal.
Carbondale Machine Co., Carbondale, Pa.
**Chalmers-Williams Mfg. Co., 1461 Arnold,** Chicago Heights, Ill.
**City Boiler & Machine Co., 939 W 8th,** Kansas City, Mo.
**CLEVELAND WIRE CLOTH & MFG. CO.** (Specialty & Heavy Grade), 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Colorado Iron Works Co., Denver, Col.
Columbiana Boiler Co., Columbiana, O.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Cross Engineering Co., Carbondale, Pa.
Denver Eng. Works Co., Denver, Colo.
Eagle Iron Works, Des Moines, Ia.
Eagle Iron Works Co. (Shaking, etc), Terre Haute, Ind.
Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Fairmont Mining Machinery Co., Fairmont, W. Va.
Galena Iron Works Corp. ("Trommell"), Galena, Ill.
Galigher Machinery Co. ("Callow" Traveling Belt), Salt Lake City, Utah
Hallidie Co. (Revolving), Spokane, Wash.
*See adv index at end of book*
Harrington & King Perforating Co., 614 N Union av, Chicago, Ill.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hendrick Mfg. Co., Carbondale, Pa.
Hendrie & Bolthoff Mfg. & Supply Co. ("Bunker Hill"), Denver, Colo.
Howard & Morse, 45 Fulton, New York
Hunt E. H. & Co. (Coal, etc), Wilkes-Barre, Pa.
Laubenstein Mfg. Co., Ashland, Pa.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Lucas A. & Sons (Shaking), 1329 S Washington, Peoria, Ill.
Ludlow-Saylor Wire Co. (Double Crimped), Newstead av cor Wabash R R, St. Louis, Mo.
McFarlane Mfg. Co., Denver, Colo.
Marion Mach. Fdry. & Supply Co., Marion, Ind.
Mecklenburg Iron Works, Charlotte, N. C.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
**MICHIGAN WIRE CLOTH CO.**, 500 Howard, Detroit, Mich.
*See adv index at end of book*
Morse Bros. Machinery & Supply Co. ("Wild"), Denver, Colo.
Multi-Metal Co., 251 W 19th, New York
Mundt Chas. & Sons, 53 Fairmount av, Jersey City, N. J.
**NEWARK WIRE CLOTH COMPANY**, 223 Verona av, Newark, N. J.
*See adv index at end of book*
Niles Mine & Mill Supply Co., Niles, O.
Prox Frank Co., Terre Haute, Ind.
Remaly Mfg. Co., Tamaqua, Pa.
Sanford-Day Iron Works, Knoxville, Tenn.
Savage W. J. Co., Knoxville, Tenn.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Smith Engineering Works, 3191 Locust, Milwaukee, Wis.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Southwest Wire & Iron Works Co., Kansas City, Mo.
Stephens-Adamson Mfg. Co. ("S.-A."), Aurora, Ill.
Sturtevant Mill Co., Clayton & Park, Dorchester, Boston, Mass.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
United Iron Works, Inc., Kansas City, Mo.
Urie-Snyder Iron Works Co., Kansas City, Mo.
Vulcan Iron Works, Wilkes-Barre, Pa.
Webb City & Carterville Foundry & Machine Works ("Henry," Ore Sizing), Webb City, Mo.
West Pittston Screen Works (Wire Coal Screens), West Pittston, Pa.
*See adv index at end of book*
Western Metals Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
William A. Box Iron Works Co., Denver, Colo.
**Worthington Pump & Machy. Corp., 115** B'way, New York
*See adv index at end of book*

## 13146a—Screens (Outdoor Sleeping Room)

Nedrow Mfg. Co., Caledonia, N. Y.

## 13146b— Screens (Oyster)

Jelliff C. O. Mfg. Corp, Southport, Conn.

## 13147—Screens (Paper Mill)

Baker Mfg. Corp. (Centrifugal), Saratoga Springs, N. Y.
Bird Machine Co. ("Bird" Rotary), East Walpole, Mass.
Harmon C. A. & Son, Watertown, N. Y.
Improved Paper Machinery Co., Nashua, N. H.
Jolly J. & W. (Inc.) ("White," Oscillating), Holyoke, Mass.
Moore & White Co. ("M & W" Rotary), N 15th & Lehigh av, Phila, Pa.
Ryther & Pringle Co. (Balanced Shaker Chip), Carthage, N. Y.
Waterville Iron Works (Pulp Wood Chip Screen), Waterville, Me.

## 13148—Screens (Perforated, for Coal, Etc.)

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

## 13149— Screens (Porch)

Nedrow Mfg. Co., Caledonia, N. Y.

## 13150— Screens (Projection)

Genter J. H. Co., Newburgh, N. Y.
Minusa Cine Products Co., 2665 Morgan, St. Louis, Mo.
Radium Gold Fibre Screen Co., 220 W 42d, New York
Williams Brown & Earle, 918 Chestnut, Phila., Pa.

## 13151—Screens (Revolving Water)

Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.

## 13152—Screens (Revolving & Shaking)

Acme Road Machinery Co., Frankfort, N. Y.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Alloy Steel Forging Co., Carnegie, Pa.
**American Manganese Steel Co. ("Amsco"** Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
**American Pulverizer Co. ("American" Revolving), East St. Louis, Ill.**
American Road Machinery Co. ("Champion"), Kennett Square, Pa.
**BARTLETT C. O. & SNOW CO.** ("Triumph" Revolving for Coal, Rock, Sand, Gravel, etc), Fall, Cleveland, O. *See adv index at end of book*
Beckley Perforating Co. (Perforated Metal, for All Purposes), Garwood, N. J.
Bonnot Co. (Clay Working), Canton, O.
Brainard Pulverizer Co., Old Colony bldg, Chicago, Ill.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*

**KENNEDY VAN SAUN MANUFACTURING AND ENGINEERING CORPORATION**

**120 Broadway NEW YORK, N. Y.**

**Crushing, Mining, Cement, Screening, Elevating, Conveying, and Transmission Machinery**

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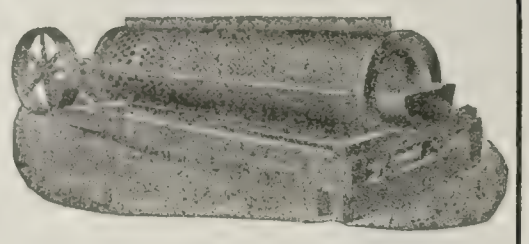


"UNEQUALLED"

SCREENS (REVOLVING & SHAKING)—continued

Chain Belt Co., Milwaukee, Wis.
Cross Engineering Co., Carbondale, Pa.
Day J. H. Co. (Sands, Clay, etc.), Cincinnati, O.
Dull Raymond W. Co. (Stone), 111 W Washington, Chicago, Ill.
Duncan Foundry & Machine Works, Alton, Ill.
Eagle Iron Works, Des Moines, Ia.
Eagle Iron Works Co., Terre Haute, Ind.
**Fairmont Mining Machy Co., Fairmont, W. Va.**
**Haiss Geo. Mfg. Co. (Revolving Only), 141st & Rider av, New York**
**Hallidie Co. (Revolving for Mines), Spokane, Wash.** *See adv index at end of book*
**Harrington & King Perforating Co., 614 N Union av, Chicago, Ill.**
**Helmick Fdry & Mach. Co., Fairmont, W. Va.**
**Hendrick Mfg. Co. (Revolving Only), Carbondale, Pa.**
**Herzler & Henninger Machine Works, Belleville, Ill.**
**Holmes & Blanchard Co., 31 State, Boston, Mass.**
**Holmes Robert & Bros., Danville, Ill.** *See adv index at end of book*
Howard & Morse, 45 Fulton, New York
**KENNEDY VAN SAUN MFG. & ENG. CORP. (Trommels, Pulsating), 120 Broadway, New York** ***See adv index at end of book***
**LINK-BELT COMPANY** ("Link-Belt" for Coal, Phosphate, etc), 329 W 39th Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Littleford Bros., 444 E. Pearl, Cincinnati, Ohio
**Lucas A. & Sons (Shaking), 1329 South Washington, Peoria, Ill.**
Meese & Gottfried Co., 660 Mission, San Francisco, Cal.
**Meyers Fred. J. Mfg. Co., Hamilton, O.** ***See adv index at end of book***
**Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.**
**Morrow Mfg. Co. ("Independent" Shaker Screen), Wellston, O.**
**Mundt Chas. & Sons, 53 Fairmount av, Jersey City, N. J.**
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Ottumwa Box Car Loader Co. ("Ottumwa" Mine), Ottumwa, Ia.
**Prox Frank Co., Terre Haute, Ind.**
Pyott Co., 1401 W North av, Chicago, Ill.
**Robins Conveying Belt Co., 13 Ann, New York.** *See adv index at end of book*
**Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.**
**Sanford-Day Iron Works (Coal, etc), Knoxville, Tenn.**
**Savage W. J. Co., Knoxville, Tenn.**
**Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.**
**Smith Engineering Works, 3191 Locust, Milwaukee, Wis.**
Steel & Condit ("Condit," Roller Bearing Revolving ), 74 Pearl, Jersey City, N. J.
**Stephens Adamson Mfg. Co. ("S.-A" Revolving), Aurora, Ill.**
Sturtevant Mill Co. (Vibrating), Clayton & Park, Boston, Mass.
**TRAYLOR ENGNG. & MFG. CO.,** Allentown, Pa. *See adv index at end of book*
United Iron Works, Inc., Kansas City, Mo.
**Universal Road Machinery Co., Kingston, N. Y.**
**Vulcan Iron Works, Wilkes-Barre, Pa.**
Walker & Elliott ("For Fertilizing Material"), Wilmington, Del.
Waterloo Cement Machinery Corp., Waterloo, Ia.
**WEBSTER MFG. CO.,** 4500-60 Cortland, *See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, **Chicago, Ill.**
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*
Western Wheeled Scraper Co., Aurora, Ill.
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.

## 13153—Screens (Roller Window)

Invisible Roll Screen Co. ("Invisible"), East av, Long Island City, L. I.
McGarvey Ulrick A., Phelan bldg, San Francisco, Cal.
Rollaway Screen Co., Burlington, Vt.
Nedrow Mfg. Co., Caledonia, N. Y.
Rust Proof Roller Window Screen Co., Clyde, O.
Watson Mfg. Co. (Metal), Jamestown, N. Y.

## 13154— Screens (Rolling)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

## 13155— Screens (Rotary)

Bird Machine Co. ("Bird" for Paper Mills), East Walpole, Mass.
Black-Clawson Co. ("Lamont"), **Hamilton, Ohio**
Lansing Co. ("Converse" for Building Materials), Lansing, Mich.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av. & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Traylor Engng. & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Universal Crusher Co., Cedar Rapids, Ia.
Voith J. M. Co., Inc., 200 5th av, New York
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.

## Screens (Safe Deposit)

See Screens, Bank Counter

## 13156—Screens (Sand, Coal & Gravel)

Acme Road Machinery Co., Frankfort, N. Y.
**Alloy Steel Forging Co., Carnegie, Pa.**
Barbee Wire & Iron Works, 111 Washington, Chicago, Ill., & Lafayette, Ind.
**Barker S. G. & Son (Coal Only), Scranton, Pa.**
**Belmer H. Co., 628 W 3d, Cincinnati, O.**
Bigelow Cheney Wire Works, Springfield, Mass.
**BUFFALO WIRE WORKS CO., 453 Terrace, Buffalo, N. Y.** *See adv index at end of book*
California Perforating Screen Co., 416 Harrison, San Francisco, Cal.
Carbondale Machine Co., Carbondale, Pa.
Card C. S. Iron Works Co., Denver, Col.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Cement Tile Machinery Co. ("S. & S," Revolving for Sand & Gravel), Waterloo, Ia.
Central Wire & Iron Works (Wire Sand Screens), Des Moines, Ia.
Chalmers-Williams Mfg. Co. (Sand & Gravel), 1461 Arnold, Chicago Heights, Ill.
Chattanooga Boiler & Tank Co., Chattanooga, Tenn.
**CLEVELAND WIRE CLOTH & MFG. CO.,** 3574 E 78th, Cleveland, O. *See adv index at end of book*
Converse F. S. Co. (Rotary), Johnson City, N. Y.
Cross Engineering Co., Carbondale, Pa.
Darby Edward & Sons Co., 412 N 18th, Phila., Pa.
Dull Raymond W. Co., 111 W Washington, Chicago, Ill.
**Eagle Iron Works (Coal Only), Des Moines, Ia.**
**Erdle Perforating Co., 181 York, Rochester, N. Y.** *See adv index at end of book*
**Gilbert & Bennett Mfg. Co., Georgetown, Conn.**
**Harrington & King Perforating Co., 614 N Union av, Chicago, Ill.**
**Helmick Fdry & Mach. Co., Fairmount, W. Va.**
Hesse-Martin Iron Works, 434 ,Belmont Portland. Ore.
**Howard & Morse, 45 Fulton, New York**
Inglis Wm. Wire & Iron Wks., 61 Woodbridge, Detroit, Mich.
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
**Jelliff C. O. Mfg. Corp'n, South Port, Conn.**
**Lansing Co., Lansing, Mich.**
Koller E. L. Mfg. & Coal Chute Co. (Coal Only), 276 Sussex av, Newark, N. J.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**Littleford Bros.,** 444 E Pearl, Cincinnati, O.
**Lucas A. & Sons (Coal Only), 1329 S Washington, Peoria, Ill.**
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
**Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.**
**Meyers Fred. J. Mfg. Co., Hamilton, O.** ***See adv index at end of book***
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich. *See adv index at end of book*
Morss & Whyte Co., Sidney & Pilgrim, Cambridge, Mass.
**Mundt Chas. & Sons, 53 Fairmount av, Jersey City, N. J.**
**NEWARK WIRE CLOTH CO.,** 223 Verona av, Newark, N. J. *See adv index at end of book*
New Jersey Wire Cloth Co., Trenton, N. J. *See adv index at end of book*
Northwestern Steel & Iron Wks., Eau Claire, Wis.
Peerless Wire Goods Co., Lafayette, Ind.
Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
Plocher Andrew Sons Co., Dayton, O.
Roberts & Schaefer Co. ("Kelly" Horizontal Coal), 332 S Michigan av, Chicago, Ill.
Sackett H. B. Screen & Chute Co., 1691 Elston av, Chicago, Ill.
**Savage W. J. Co., Knoxville, Tenn.**
**Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.**
**Seitzinger J. G., Wilkes-Barre, Pa.**
**Smith Engineering Works, 3191 Locust, Milwaukee, Wis.**
Smith F. P. Wire & Iron Wks., 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
**Smith John P. & Co., New Haven, Conn.**
**South Side Foundry & Machine Works, Charleston, W. Va.**
**Southwest Wire & Iron Works Co., Kansas City, Mo.**
Spokane Culvert & Tank Co., Spokane, Wash.

Steel Basket Co., Cedar Rapids, Ia.
Success Mfg. Co., Gloucester, Mass.
Syracuse Wire Works, 101 University av, Syracuse, N. Y.
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Union Steel Products Co. (Ltd.), ("Union" Sand & Gravel), Albion, Mich.
Universal Crusher Co., Cedar Rapids, Ia.
Vulcan Iron Works, Wilkes-Barre, Pa.
Waterloo Cement Machy. Corp., Waterloo, Iowa
**WEBSTER MFG. CO.**, 4500-60 Cortland,
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*
What Cheer Wire Works, 157 Dorrance, Providence, R. I.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
Wisconsin Iron & Wire Wks., Milwaukee, Wis.

## 13157— Screens (Sewage)

Merritt Hydraulic Co. ("Weand" & "Merritt-Miller," Rotary, "Priestman" Stationary), 110 N Broad, Phila., Pa.

## 13158—Screens (Steam Pipe Covering)

Tuttle & Bailey Mfg. Co., 52 Vanderbilt av, New York

## Screens (Stone)

See Screens, Revolving & Shaking

## 13159— Screens (Suction)

Sandy Hill Iron & Brass Works ("Packers" Diaphragm for Paper Mills), Hudson Falls, N. Y.

## Screens (Threshing)

See Separators Grain

## 13160-1—Screens (Traveling Belt)

Gallgher Machinery Co. ("Callow"), Salt Lake City, Utah

## 13162— *Screens (Vibrating)

**STURTEVANT MILL CO.**, Clayton & Park, Dorchester, Boston, Mass.

## 13163— Screens (Well)

Carbo Corp. Steel Poducts Co., 2600 W 111th Morgan Park Station, Chicago, Ill.
Johnson E. E. ("Johnson"), St. Paul, Minn
Layne & Bowler Co., 900 Santa Fe av (For Irrigation Wells), Houston, Texas
Layne & Bowler Corp., Los Angeles, Cal.
*See adv index at end of book*
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Stanoliff Well Screen & Mfg. Co., Houston, Tex.
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

## 13164— Screens (Window, Metal Frame)

Acme Metal Mfg. Co., 220 W Huron, Chicago, Ill.
American Screen Co., Brookline, Mass.
Baker W. J. Co., Newport, Ky.
Bartlett W. W., Leominster, Mass.
Cincinnati Mfg. Co. ("Cin-Man-Co."), Cincinnati, O.
Columbus Iron Works (Wholesale Mfrs.), Columbus, Ga.
Continental Co. ("Continental," "Philadelphia," "Porter," "Washash," "Queen Anne," "Phillips," "Sherwood"), Book bldg, Detroit, Mich.
Geneva Mfg. Co. ("Steinfeld"), Geneva, Ill.
Higgin Mfg. Co., Newport, Ky.
Metallic Screen Co. (Adjustable), Collins, Wis.
Milliken-Kellam Co., Newton, N. J.
Nedrow Mfg. Co., Caledonia, N. Y.
Peerless Steel Shuttler Co., Lyrie bldg, Richmond, Va.
Rollaway Screen Co., ("Roll-a-way" Metal), Burlington, Vt.
Sherwood Metal Working Co., Syracuse, N. Y.
Sidney Specialty & Novelty Co., Sidney, N. Y.
Snow Franklin A. Co., 79 Milk, Boston, Mass.
Watson Mfg. Co. (Bronze & Steel), Jamestown, N. Y.

## 13165—Screens (Window & Door)

Wholesale Manfacturers are so Indicated Between their Name & Address

Adams & Kelly Co., Omaha, Neb.
Agee Screen Co., Ft. Worth, Tex.
American Sash & Door Co. (Wholesale Mfrs.), Kansas City, Mo.
American Screen Co. (Wholesale Mfrs.), Brookline, Mass.
American Screen Mfg. Co., Kansas City, Mo.
Bostwick-Goodell ("Victoria"), Norwalk, Ohio
Burlington Venetian Blind Co., Burlington, Vt.
Burrowes E. T. Co. (Wood & All-Metal Screens, Insect), Portland, Me.
Carr, Ryder & Adams Co., Dubuque, Ia.
Carr & Baal Co., Des Moines, Ia
Carter Mfg. Co., Keokuk, Ia.
Cincinnati Fly Screen Co., Cincinnati, O.
Cincinnati Mfg. Co. (Metal to Order Only), Cincinnati, O.
Continental Co. (Metal & Wood, Wholesale Mfrs.), Book bldg, Detroit, Mich.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Dallas Screen Co., Dallas, Tex.
Disappearing Roller Screen Co., 2544 W Pico, Los Angelese, Cal.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Fish A. E. & Co., Keene, N. H.
Freeman Chas. A. Mfg. Co. (Sliding), 201 Washington, Boston, Mass.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Gordon, Vantine Co., Davenport, Ia.
Grand Rapids Lumber Co., Grand Rapids, Mich.
Grand Rapids Screen Co., Grand Rapids, Mich.
Higgin Mfg. Co. (Metal), Newport, Ky.
Hillsdale Screen Co., Hillsdale, Mich.
Hipolito Screen & Sash Co., Los Angeles, Cal.
Huebner Screen Door Co., 565 Farnsworth, Detroit, Mich.
Huttig Mill Wks. Co. (Wholesale Mfrs.), Kansas City, Mo.
Kane Blind & Screen Co. (Rustless), Kane, Pa.
Koehl J. W. & Son, 658 S Anderson, Los Angeles, Cal.
Lookout Planing Mills, Chattanooga, Tenn.
McClelland T. W. Co. (Wholesale Mfrs.), Davenport, Ia.
Menke-Grimm Planing Mill Co., Quincy, Ill.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Milliken-Kellam Co., Newton, N. J.
Monarch Screen & Mfg. Co., E 39th, Los Angeles, Cal.
Morgan Co., Oshkosh. Wis.
National Screen & Mfg. Co., 1456 Harrison av, Cincinnati, O.
Nedrow Mfg. Co., Caledonia, N. Y.
New Jersey Wire Cloth Co., Trenton, N. J.
*See adv index at end of book*
Newark Weather Strip & Screen Co., 7 Nevada, Newark, N. J.
Owosso Mfg. Co., Benton, Ark.
Owosso Mfg. Co. (Adjustable Frames) (Wholesale Mfrs.), Owosso, Mich.
Parlee H. C. & Co. ("Fliscreen" Wood Frame), 25 Haverhill, Boston, Mass.
Parr Lumber Co., St. Johns, Mich.
Penna. Woven Wire Co., Lock Haven, Pa.
Phenix Mfg. Co. ("Phenix" also Swinging Half, Sliding, etc), Milwaukee, Wis.
Philadelphia Screen Mfg. Co. (Wholesale Mfrs.), 56th bel. Woodland, Phila, Pa.
Porter Screen Co. (Wholesale Mfrs.), Burlington, Vt.
Protective Ventilator & Screen Corp., 332 E 23d, New York
Reed, Evan L., Mfg. Co., Sterling, Ill.
Riggs Cypress Co. (Ltd.) (Wholesale Mfrs.), Patterson, La.
Robbins Mfg. Co., 1815 N Central Park av, Chicago, Ill.
Roebuck Weather Strip & Wire Screen Co., 8518 Av H, Brooklyn, N. Y.
Rollaway Screen Co. ("Roll-a-way"), Burlington, Vt.
Safety Ladder Mfg. Co., Seattle, Wash.
Sanders Bros. Mfg. Co., Ottawa, Ill.
McPhee & McGinnity Co., Denver, Colo.
Schumacher F. E. Co., Hartville, O.
Snow Franklin A. Co., 79 Milk, Boston, Mass.
Solmson M. Fly Screen Co. (Rustless), Bayard & Nanticoke, Baltimore, Md.
Springfield Wire Screen Co., Springfield, Ill.
Standard Screen Co. (Wood Frame), 1858 Hastings, Chicago, Ill.
Union Screen Co. ("Challenge" Sliding Window), 306 Carpenter, Providence, R. I.
Universal Screen Co., 2700 Long Beach av, Los Angeles, Cal.
Wabash Screen Door Co., 72 W Adams, Chicago, Ill.
Watson Mfg. Co. (Metal & Wood to Order Only), Jamestown, N. Y.
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*
Western Screen Co., 1489 E 4th, Los Angeles, Cal.
Wheeler Screen Co., Geneva, Ill.
Willer Mfg. Co. (To Order Only), Milwaukee, Wis.
Williams & Hunting Co. (Wholesale), Cedar Rapids, Ia.

## 13165a—Screens Wire (Centrifugal)

Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
*See adv index at end of book*

## 13165b—Screens (Wire, Rustless)

Beere George W., 294 Taaffe pl, B'klyn, N. Y.
Nedrow Mfg. Co., Caledonia, N. Y.
Tyler W. S. Co., Cleveland, O.
*See adv index at end of book*

## 13166— Screw Driver Mfrs.

Arcade Mfg. Co. ("Serpentine," "Arcade" & "Combination"), Freeport, Ill.
Atwater Mfg. Co. ("All Steel"), Southington, Conn.
Bagshaw & Field (Stubbs, Packet, Electric, Round Blade, Flat Blade, etc), 445 N 5th, Phila., Pa.
Billings & Spencer Co. ("B. & S." Magazine Screw Driver, etc), Hartford, Conn.
Braunsdorf-Mueller Co. ("Never Twist," "New Century," & "Improved Locksmith"), Elizabeth, N. J.
Bridgeport Hardware Mfg. Corp. ("Matchless Lines," "Challence Lines," "Lead Alls," "Warkick," "Little Wonder," "Trusty," "Hercules," "Bedford").
Brown R. H. & Co. ("Clark's"), New Haven, Conn.
Browne & Dowd Mfg. Co. ("I. L."), Meriden, Conn.
Buell Bros. ("Buell"), Clinton, Conn.
Buffalo Specialty Co. (Leather Handle), 375 Ellicott, Buffalo, N. Y.
Buffum Tool Co. ("Swastika," Engineers' & Assemblers' "T" & Offset, etc. All Steel Drop Forged), South Side, Louisiana, Mo.
Bullock Mfg. Associates Jewelers & Opticians, Springfield, Mass.
Burgess & Norton Mfg. Co. ("Bur-Nor" Folding), Geneva, Ill.
Cassady Fairbank Mfg. Co. ("Cassady," "Premier," "Fairbank," "Columbia," "Rough & Ready," "Elliott," "C. & F.," "Handy," "Kit"), 6126 S La Salle, Chicago, Ill.
Chicago Tool & Kit Co., 12 N Market, Chicago, Ill.
Cincinnati Tool Co. ("Hargraves"), Norwood, Cincinnati, O.
*See adv index at end of book*

THE CINCINNATI TOOL CO.
HARGRAVE

Clement Mfg. Co. ("Vulcan" Hollow Handle), Northampton, Mass.
Crescent Co., Inc., Meriden, Conn.
Crescent Tool Co. ("Hamr-Handl"), 200 Harrison, Jamestown, N. Y.
Cronk & Carrier Mfg. Co. ("Star," "Cronk's," "Elmira"), 150 Lake, Elmira, N. Y. *See adv index at end of book*

SCREW DRIVER MFRS.—continued

Decatur Coffin Co. ("Eureka" Spiral), Decatur, Ill.
Dicke Tool Co. (For Electrical & Machinery Works), Downers Grove, Ill.
Dikeman Mfg. Co. ("Emergency" Pocket Telescope Handle), Norwalk, Conn.
Disston Hy. & Sons, Tacony, Phila., Pa.
Edelmann E. & Co. ("4-in-1"), 341 E Ohio, Chicago, Ill.
Gay Geo. E. ("Gay" & "Union" Double Acting Ratchet), Augusta, Me.
Goodell-Pratt Co. (Spiral, Ratchet, Automatic, Bench Automatic, Gunsmiths' Pocket Set, etc), Greenfield, Mass.
Harding Mfg. Co. ("Blue Line," "Gray Line"), Mansfield, Mass.
Herbrand Co., Fremont, O.
Hugo Mfg. Co., Duluth, Minn.
Irving Mfg. & Tool Co. (J. F. McCoy Co., Props.), 157 Chambers, New York
Ives W. A. Mfg. Co. ("Pioneer," "Paradox," "Standard"), Wallingford, Conn.
Jennings C. E. & Co. ("C. E. J. & Co.'s," "King," "Hinsdale"), 71 Murray, New York
Johnson Wm. (Hedenberg Works) (In great Variety), Newark, N. J.
Kendrick-Davis Co. ("K.-D.," Small), Lebanon, N. H.
Marble Arms & Mfg. Co. ("Marble's," Pocket, for Hunters, etc), Gladstone, Mich.
Mayhew H. H. Co. (Machinists), Shelburne Falls, Mass.
M. B. Tool Co. ("Insulectric"), Danielson, Conn.
Miller's Falls Co. (Ratchet, Duplex & Automatic, In & Out), 28 Warren, New York
National Mechanical Corp, 125 S Racine av, Chicago, Ill
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North Bros. Mfg. Co. ("Yankee" Ratchet, Spiral, Plain & Pocket Magazine, etc), Lehigh av & American, Phila., Pa.
Northern Mechanical Corp ("Benjamin" Insulated Friction Drive), 125 S Racine, Chicago, Ill
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
**PECK, STOW & WILCOX CO.** ("Pexto"), Southington, Conn.
*See adv index at end of book*
Philadelphia Novelty Mfg. Co. (Dissappearing Blade), 13th & Noble, Phila., Pa.
Rehm Hardware Co. (Pocket), 1501 Blue Island av, Chicago, Ill.
Reid A. H. Creamery & Dairy Supply Co. ("Reid" Automatic), 69th & Haverford, Phila., Pa.
Rubber Insulated Metals Corp. ("Rimco" Insulated), Plainfield, N. J.
Sargent & Co., New Haven, Conn.
Sawyer Tool Mfg. Co. ("Samson"), Ashburnham, Mass.
S. & I. Co. (Solid End, Machinists, etc.), Springfield, Mass.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Smith H. D. & Co. ("Perfect Handle," Drop Forged), Plantsville, Conn.
**SMITH & HEMENWAY CO., INC.** ("Red Devil") 261 H. B'way, New York; 130 H. Colt, Irvington, N. J.
*See adv index at end of book*
Snell Mfg. Co., Fiskdale, Mass.
Southington Mfg. Co., Southington, Conn.
Stanley Rule & Level Co. ("Defiance," "Leader," "Hurwood"), New Britain, Conn.
**STARRETT L. S. CO. (THE)** (Pocket, Jewelers, etc), Athol, Mass.
*See adv index at end of book*
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
Syracuse Twist Drill Co. ("Syracuse" Knurl Tool Makers), Borden av, Syracuse, N. Y.
Thayer Mfg. Co., Williamsburg, Mass.
Thomson Drop Forge Co., Plantsville, Conn.
**TORRINGTON CO., THE (EXCELSIOR PLANT).** Successors to Excelsior Needle Co., All Metal, Torrington, Conn. *See adv index at end of book*
Tuck Mfg. Co., Brockton, Mass.
Turner & Deegan ("Rosedale," "Edgewood," "Handy," "Bristol," Carpenter & Cabinet Makers, etc), Bristol, Conn.
Union Hardware Co. ("Tower's," "Champion," "Samson," "Valley"), Torrington, Conn.
Vichek Tool Co. ("Vichek," "Rubberoid" Handle & All Steel, Offset, Electricians', Hammer Head, etc), 8701 Mt. Auburn, Cleveland, O.
Washington Cutlery Co., Watertown, Wis.
White Ira F. & Son Co., Bloomfield, N. J.
Wilkins, Geo. H. Co. ("Marcy"), 180 N Market, Chicago, Ill.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 13167—Screw Driver & Corkscrew Combined

Browne & Dowd Mfg. Co., Meriden, Conn.

## 13168—*Screw Driver & Holder

**STARRETT L. S. CO., THE** (Opticians'), Athol, Mass. *See adv index at end of book*

## 13169—Screw Drivers (Automatic)

Goodell-Pratt Co. (Also Ratchet Automatic Bench), Greenfield, Mass.
Millers Falls Co., 28 Warren, New York
Reid A. H. Creamery & Dairy Supply Co. ("Reid"), 69th & Haverford, Phila., Pa.
Swan James Co., Seymour, Conn.

## Screw Drivers (Electricians')

See Screw Drivers, Insulated Handle & Ratchet

## 13170— Screw Drivers (Flexible Shaft)

Neil & Smith Electric Tool Co. ("Ideal," Variable Speed), 8th & B'way, Cincinnati, O.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*

## 13171—Screw Drivers (Folding)

Burgess & Norton Mfg. Co. ("Bur-Nor"), Geneva, Ill.
Crescent Tool Co., 200 Harrison, Jamestown, N. Y.

## 13172—Screw Drivers (Insulated Handle & Ratchet)

Buffalo Specialty Co. (Leather), 375 Ellicott, Buffalo, N. Y.
Chapin-Stephens Co., Pine Meadow, Conn.
Cincinnati Tool Co. ("Hargraves" Pistol Grip Ratchet), Cincinnati, O
*See adv index at end of book*
Disston Hy. & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Hyfield Mfg. Co., 21 Walker, New York
M. B. Tool Co., Danielson, Conn.
Mayhew H. H. Co., Shelburne Falls, Mass.
National Mechanical Cork ("Benjamin" Insulated Friction Drive), 125 S Racine, Chicago, Ill.
Smith H. D. & Co., Plantsville, Conn.
Stanley Rule & Level Co., (Insulated Handle Only), New Britain, Conn.
**STARRETT L. S. CO., THE** ("Starrett," Pocket with Hard Rubber Handle), Athol, Mass. *See adv index at end of book*
Swan James Co., Seymour, Conn.
S. & I. Co., Springfield, Mass.
Union Hdw. Co., Tarrington, Conn.

## 13173—Screw Drivers (Jewelers')

Kendrick-Davis Co. ("K.-D."), Lebanon, N. H.
**STARRETT L. S. CO., THE,** Athol, Mass.
*See adv index at end of book*
Worthington & Raymond ("Optimus," "W. & R." Jobbers), 71 Murray, New York

## 13174-5—Screw Drivers (Motor Driven)

Neil & Smith Electric Tool Co. ("Ideal," Variable Speed), 8th & B'way, Cincinnati, O.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*
United States Electric Tool Co., Cincinnati, O.
*See adv index at end of book*
**UNITED STATES ELECTRICAL TOOL CO.,** 549 W Washington blvd, Chicago, Ill. *See adv index at end of book*

## 13176— Screw Eyes

Auer John Jr., 197 Middleton, Bklyn., N. Y.
Bethlehem Steel Co., S Bethlehem, Pa.
Brewer Bros. Co. (Wrought), 2nd & Somerset, Phila., Pa.
Brooks M. S. & Sons (Brass & Iron Wire), Chester, Conn.
Corbin Cabinet Lock Co., New Britain, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hindley Mfg. Co. (Brass & Bright Wire), Valley Falls, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Philadelphia, Pa.
Jencks E. Mfg. Co. (Bright & Brass Wire), Worcester, Mass.
Kansas City Bolt & Nut Co. (1¼ in. dia. to 1¾), Kansas City, Mo.
Landers, Frary & Clark, New Britain, Conn.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Parker Wire Goods Co. (Bright Wire & Brasses), Worcester, Mass.
Sargent & Co., New Haven, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*
Wire Goods Co. (Bright Wire & Brass Wire), Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

## 13176a—* Screw Holes

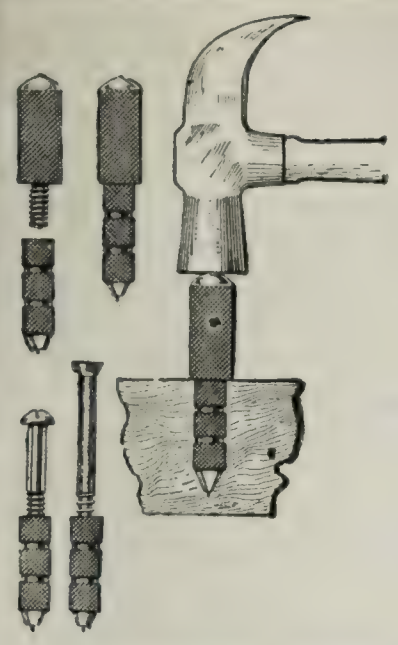
**STINE SCREW HOLES CO.** ("Stine") Waterbury, Conn.
*See adv index at end of book*

## 13176b—Screw Machine Parts

Central Machine Works, 12th & Tyler, St. Louis, Mo.
Shank Cyrus Co., 625 W Jackson, Chicago, Ill.
Standard Turnbuckle Co., Corry, Pa.

## 13177—Screw Machine Products

Advance Tool Wks, 2304 Warren av, Chicago, Ill.
Am. Die & Tool Co. (Exceeding 1-in Diameter), Reading, Pa.
American Mfg. Co., 15 Park Row, New York.
Ansonia Mfg. Co., Ansonia, Conn.
Archibald Co., The, 667 Howard, San Francisco, Cal.
Armand Machine Works, Inc., 448 N Wells, Chicago, Ill.
Armstrong F. A. W. & Co., 358 Atlantic av, Boston, Mass.
Arwe Carl H. Mfg. Co., 1348 De Kalb av, Brooklyn, N. Y.
Ashley Machine Works, Rochester, N. Y.
Atlantic Machine Screw Co., 48 Binford, Boston, Mass.
Atlantic Mfg. Co., Bridgeport, Conn.
Atlas Brass Foundry Co., 980 Park, Columbus, Ohio.
Automatic Products Co., 1145 W Grand blvd, Detroit, Mich.
Automatic Screw Mach. Prods. Co., 416 W Grand av, Chicago, Ill.
Automobile Screw Products Co., E 152nd & N. P. R. R., Cleveland, Ohio
Babson, Dow Mfg. Co., 60 Fulda, Boston, Mass.
Bard Mfg. Co., Royersford, Pa.
**BARNES, THE WALLACE CO.** ("Barnes-Made," Special), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Belvidere Screw & Machine Co., Belvidere, Ill.
Bertelsman Glenn Co., 1119 Hamilton av, Indianapolis, Ind.
Bilton Machine Tool Co. (The), Bridgeport, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Boston Machine Screw Co., 17 Tudor, Cambridge, Mass.
Bridgeport Brass Co., Bridgeport, Conn.
Brown Bag Filling Machine Co., Fitchburg, Mass.
Brown Engineering Co., 110 N. 3d, Reading, Pa. *See adv index at end of book*
Brown-McLaren Mfg. Co., 1523 W Fort, Detroit, Mich.
Burgess & Norton Mfg. Co., Geneva, Ill.
Burns & Bassick Co., Div. of The Bossick Co., Bridgeport, Conn.



Cable address: "SCREWHOLES," Waterbury, Conn. Private code.

# The Only Screw Holes In the World

You drive the screw holes with a hammer in any material. The screw holes are made for wood screws or machine screws to fit all sizes of screws. The head is removed and you leave a permanent screw hole.

## The Stine Screw Holes Co.

*Once a Screw Hole, Always a Screw Hole*

**Manufacturers**

**WATERBURY, CONN., U. S. A.**

**DEPARTMENT H**

*The Biggest Little Thing in the World*


Cassady Fairbank Mfg. Co. (Contract Work a Specialty), 6126 S La Salle, Chicago, Ill.
Chadbourne-Walker Machine Screw Co. 100 Sudbury, Boston, Mass.
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Ball Crank Co., North Oakley, Cincinnati, O.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
City Brass Works, 1744 Carroll av, Chicago, Ill.
Clark-Cadie-Harmon Corp., Rochester, N. Y.
Cleveland Automatic Machine Co., Cleveland, O.
Cleveland National Machine Co., 1366 W 70th, Cleveland, Ohio
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Cleverly Electrical Wks., 17 N 7th, Phila., Pa.
Colson Co., Elyria, O.
Columbus Auto Parts Co., E Russell, Columbus, O.
Columbus Die, Tool & Machine Co. (To Special Order Only), 955 Cleveland av, Columbus, O.
Continental Electric Co., 1883 Park av, New York.
Corbin Screw Corp. (Automatic), New Britain, Conn.
Cornwall & Patterson Co., Bridgeport, Conn.
Crescent Engineering Co., Inc., Phila., Pa.
Crescent Tool Co., 200 Harrison, Jamestown, N. Y.
Curtis Screw Works, Buffalo, N. Y.
Dallett H. Thomas Co., Phila., Pa.
Dann Products Co., 1084 E 152nd, Cleveland, O.
Davis & Hemphill, Elkridge, Md.
Day W. J. Forestville, Conn.
De Camp & Sloan, Inc., 168 Pennington, Newark, N. J.
Defiance Screw Mach. Products Co., Defiance, O.
Delaware Marine Mfg. Co., Wilmington, Del.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Eastern Mach. Screw Corp., New Haven, Conn.
Eastern Parts Mfg. Co., 135 Spring, New York
Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
Ellison Brass Mfg. Co. (Brass & Bronze), Jamestown, N. Y.
Elyria Machine Co., Elyria, O.
Enterprise Mfg. Co., Akron, Ohio
Ericsson Screw Mach. Products Co., Inc., 609 Bergen, B'klyn, N. Y.
Erie Metal Products Co., Erie, Pa.
Erie Specialty Co. (Precision), Erie, Pa.
Ferry Cap & Set Screw Co., Cleveland, O.
Fischer Special Mfg. Co., 2076 Reading rd, Cincinnati, O.
Foster Bolt & Nut Mfg. Co., Union av & E 72nd, Cleveland, O.
Fostoria Screw Co., Fostoria, Ohio
Framingham Screw Wks., Framingham, Mass.
Frost Mfg. Co., Kenosha, Wis.
Garfield Machine Wks., Garfield, N. J.
General Mfg. Co., Waterbury, Conn.
General Screw Co. ("Gensco" Oil Stops), Cincinnati, O.
Gleason Peters Co., 384 Classon av, B'klyn, N. Y.
Globe Mfg. Co., Perry, Ia.
Goepel C. F. & Co. (To Order), 137 E. 13th, New York.
Greenhalgh Geo. H., 75th, Newark, N. J.
Greer Fredric, 525 W Vanburen, Chicago, Ill.
Handel Louis Co., 138 Centre, New York
Hanson Bros., Plainville, Conn.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Hartford Machine Screw Co. (From All Metals), Hartford, Conn.
Hartley Screw Products Co., Poinier, Newark, N. J.
Hedason Mfg. Co., 1041 State, New Haven, Conn.
Hill Geo. Q. Co., Framingham, Mass.
Hill Pump Valve Co. (Automatic), 4001-21 Belmont av, Chicago, Ill.
Homer Commutator Co., 4748 Hough av, N E, Cleveland, O.
Hough Chas. N. Mfg. Co., Franklin, Pa.
Hubbell Harvey, Bridgeport, Conn.
Humason Mfg. Co., Forestville Station, Bristol, Conn.
*See adv index at end of book*


## HUMASON MFG. CO.

*Screw Machine Products*

Steel and Brass up to 1 inch diameter of stock

*Coil and Flat Springs*

Steel, Brass and Phosphor Bronze Coil Springs up to ¼ inch diameter of stock

FORESTVILLE, CONN. Div. H


Hygrade Machine & Equipment Co., 245 N. J. Railroad av, Newark, N. J.
Hyman Henry & Co., 77 Chambers, New York
Ideal Switch & Machinery Co., Plainville, Conn.
Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*
International Brass & Electric Co., 76 Beekman, New York
Judd & Leland Mfg. Co., Clifton Springs, N. Y.
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th, New York
*See adv index at end of book*
Knight Screw Products Co., 705 David Whitney bldg, Detroit, Mich.
Lederer Bros. Co. (Screw Machine Products) (To Specification), 100 Stewart, Providence, R. I.
Liberty Screw Co., Inc., 33 N Foster, Worcester, Mass.
Levi Benjamin, 355 W B'way, New York.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Litquick Gas Lamp Co., 310 Canalle, Defiance, O.
Loesser E. & Son (Automatic), 48 Spring, Newark, N. J.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McCully R. P. & C. H., Inc., 331 Van Buren, Brooklyn, N. Y.
Mattatuck Mfg. Co., Waterbury, Conn.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Meyer A. J. Mfg. Co., 3840 Boulevard, West Hoboken, N. J.
Michigan Screw Co., Lansing, Mich.
Nicoud Mfg. Co., 9 W Illinois, Chicago, Ill.
**MIDWEST BRASS & COPPER CO., INC.**, 480 Broome, New York.
*See adv index at end of book*
Miles F. S., 205 Quarry, Phila., Pa.
Moore Geo. W., 44 Farnsworth, Boston, Mass.
Mossberg Frank Co., Attleboro, Mass.
Muncie Cap & Set Screw Co., Muncie, Ind.
*See adv index at end of book*
National Acme Co., 7500 Stanton av, S E Cleveland, O.
National Brass Mfg. Co., Rochester, N. Y.
National Sewing Machine Co., Belvidere, Ill.
Nelson A. Mfg. Co., 564 W Randolph, Chicago, Ill.
Nelson Tool Co., Inc., 782 E 142nd, New York.
New Britain Machine Co., New Britain, Con.

**When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER**

SCREW MACHINE PRODUCTS—continued

New Haven Screw Co., 191 Foster, New Haven, Conn.
*See adv index at end of book*

**The New Haven Screw Company**
Manufacturers of
Foster Safety Hollow Set Screws
*AUTOMATIC SCREW MACHINE PRODUCTS*
Spark Plug Parts to Order
Factory and Office
191 Foster St., New Haven, Conn.

New London Screw & Nut Wks., New London, O.
Niagara Brass Mfg. Co., 165 Adams, Buffalo, N. Y.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Nobs Chas. & Son (Steel, Brass, German Silver, Tobin Bronze, etc), 156 Astor, Newark, N. J.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio.
Ohio Metal Products Co., Dayton, O.
Olson Mfg. Co. (Special Automatic), Worcester, Mass.
Osborne & Stephenson Mfg. Co., Plainville, Conn.
Ottemiller Wm. H., York, Pa.
Otter Mfg. Co., Inc., 243 W 17th, New York
Otto Wm. H. Metal Goods Corp., Jersey City, N. J.
Paramount Manfg Co., Inc., Westfield, N. J.
Pawtucket Mfg. Co., Pawtucket, R. I.
**PECK & YOUNG MFG. CO.,** Station Bristol, Forestville, Conn.
*See adv index at end of book*
Peerless Automatic Machine Co., 1962 W 77th, Cleveland, O.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Perry-Fay Mfg. Co. (Of All Kinds), Elyria, Ohio
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Phillips F. C., Stoughton, Mass.
Precision Tool Co., Canton, Mass.
Price Bros., Frederick, Md.
Progressive Machine Screw Co., 169 Howard, Detroit, Mich.
**QUADRIGA MFG. & SPECIALTY CO.,** 213 W Grand av, Chicago, Ill.
*See adv index at end of book*
Racine Metal Stamping Co., Racine, Wis.
Ramsdell Specialty Co., Worcester, Mass.
Reed & Prince Mfg. Co., Worcester, Mass.
Rochester Machine Screw Co., Rochester, N. Y.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Salisbury Ball Bearing Co., 3741 E 93d, Cleveland, O.
Schoenborn & Cowles Mfg. Co., 368 Mt. Elliott, Detroit, Mich.
**SCOVILL MFG. CO.** (To Order Only), Waterbury, Conn.
*See adv index at end of book*
Screw, F. P. Co., 2279 E 77th, Cleveland, Ohio
Screw Machine Products Co. (Brass or Steel), 1012 Eddy, Providence, R. I.
Screw Machine Specialty Co., 1132 Austin av, Chicago, Ill.
Seiss Mfg. Co., Toledo, O.
Seymour Brass Turning Co., Seymour, Conn.
Shank Cyrus Co., 625 W. Jackson, Chicago, Ill.
Sherman-Klove Co., (Automatic), 4538 W Harrison, Chicago, Ill.
S. & I. Co., Springfield, Mass.
Smith F. H. Mfg. Co. (Special to Order), 3047 Carroll av, Chicago, Ill.
Smith Premier Wks. Remington Typewriter Co., Syracuse, N. Y.

Snow Albert E. & Co., 252 B'way, New York *See adv index at end of book*

**SCREW MACHINE PRODUCTS**
Brass Bronze Steel
Small Stampings and Springs
ALBERT E. SNOW & CO.
252 BROADWAY NEW YORK

Spafford Mach. Screw Wks., 516 Asylums, Hartford, Conn.
**SPENCER'S I. S. SONS (INC.),** Guilford, Conn.
S. P. Manufacturing Co., 872 E 72d, Cleveland, O.
Standard Pressed Steel Co., 20th & Indiana, Phila., Pa.
Standard Screw Products Co., 621 Bellevue, Detroit, Mich.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Stierlin Machine & Die Works, 625 Jackson blvd, Chicago, Ill.
Still Ignition Co., Columbus, Ohio.
Thomas Mfg. Co. (To Order Only), Dayton, O.
Thomaston Mfg. Co., Thomaston, Conn.
Thompson & Bremer, 850 S Canal, Chicago, Ill.
Tock Screw Machine Products Corp., 203 8th, Long Island City, N. Y.
Toledo Auto Motive Products Co., 2240 Smead av, Toledo, Ohio.
Union Cap Screw Co., 684 Hendrie, Detroit, Mich.
United States Automatic Co., Amherst, O.
Vahan Products Co., 73rd & St. Clair, Cleveland, O.
Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.
Waltham Screw Co., Waltham, Mass.
Waterbury Brass Goods Cork, Waterbury, Conn.
**WATERBURY MFG. CO.,** Waterbury, Conn.
Watson Mfg. Co., Toledo, O.
Wellman Bronze Co. (Special), 6017 Superior av, Cleveland, O.
Western Automatic Machine Screw Co., Elyria, O.
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.
Western Screw Products Co., 3219 S B'way, St. Louis, Mo.
White J. H. Mfg., 111 N Third, Brooklyn, N. Y.
Whitman Metal Goods Co., Whitman, Mass.
Whitnall Co., Plainville, Conn.
Wicaco Screw & Machine Works, 7th & Wood, Phila., Pa.
**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del.
*See adv index at end of book*
Worcester Machine Screw Co., Standard Screw Co. Successors, Worcester, Mass.
Zinn Simon, Inc., 25th & 11th av, New York

## Screw Machinery

See Screw Cutting Machines; Screw Polishing Machines; Screw Shaving Machines; Screw Slotting Machines; Screw Thread Rolling Machines

## 13178— Screw Mfrs.

Under this Heading see Sub-classifications

American Rivet Co., New Haven, Conn.
American Screw Co. (Brass, Bronze & Iron), 21 Stevens, Providence, R. I.
Atlantic Screw Works, Hartford, Conn.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Bayonne Bolt & Nut Co., Bayonne, N. J.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
**Champion Mfg. Co., 7332 Kimbark av, Chicago, Ill.**
Chapin-Stephens Co., Pine Meadow, Conn.
**Chicago Nut Co., 2513 W 20th, Chicago, Ill.**
Chicago Screw Co., Homan & Fillmore, Chicago, Ill.
**CLARK BROS. BOLT CO.,** Milldale, Conn.
*See adv index at end of book*

**MACHINE SCREWS**
Special Rivets, Pins, Studs
Threaded and Formed
Wires and Other Parts
From Wire and Rod
SCREW MACHINE PRODUCTS
THE BLAKE & JOHNSON CO.
1500 Thomaston Ave.
WATERBURY, CONN.
SINCE 1849

Continental Electric Co., 1883 Park ave, New York.
Continental Wood Screw Co., New Bedford, Mass.
Corbin Screw Corporation, New Britain, Conn.
Curtis Screw Works, Buffalo, N. Y.
Dayton Screw Co., Dayton, O.
Detroit Screw Works, Detroit, Mich.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Eastern Machine Screw Corp. (Special to Order), New Haven, Conn.
Equipoise Rivet Co. (Rolded Thread), Waterbury, Conn.
Ferry Cap & Set Screw Co. (Steel), Cleveland, O.
Foster Bolt & Nut Mfg. Co., Winon av & E 72d, Cleveland, O.
Gary Screw & Bolt Co., Gary, Ind.
Harper F. C. Screw Works (Not Wood), 19 E 8th, Chicago, Ill.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood Phila., Pa.
Hope Wm. H. Co. (Milled, etc), Lowell, Mass.
Hubbell Harvey, Bridgeport, Conn.
Illinois Nail Co., 826 Dix, Chicago, Ill.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 58th, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, Cleveland, O.
Landers Frary & Clark, New Britain, Conn.
Liberty Screw Co., Inc., 33 N Foster, Worcester, Mass.
Merrill Bros. (Cone Point Lag), 3 Arnold, Naspeth (Boro. of Queens), N. Y.
*See adv index at end of book*
Michigan Screw Co., Lansing, Mich.
Miles Franklin S, 205 Quarry, Phila., Pa.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Muncie Cap & Set Screw Co., Muncie, Ind.
*See adv index at end of book*

**Muncie Cap & Set Screw Co.**
**Heat-Treated Cap Screws**
Muncie, Indiana

National Acme Co., 7500 Stanton av, S E, S E, Cleveland, O.
National Screw & Tack Co., Stanton av, S. E., & C. & P. Ry., Cleveland, O.
National Sewing Machine Co., Belvidere, Ill.
**New England Screw Co., 44 Farnsworth, Boston, Mass.**
New Haven Screw Co. (Special to Order), 191 Foster, New Haven, Conn.
*See adv index at end of book*
Niagara Screw Co., Buffalo, N. Y.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio.
Ohio Nut & Bolt Co., Berea, O.
Olson Mfg. Co. (Special), Worcester, Mass.

Ottemiller Wm. H. Co., M. & P. R. R. & Pattison, York, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Penn Hardware Co., Reading, Pa.
Perry-Fay Mfg. Co., Elyria, O.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Phillips R. B. Mfg. Co., Worcester, Mass.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Progressive Mfg. Co., Torrington, Conn.
**QUADRIGA MFG. & SPECIALTY CO.,** 218 W. Grand av, Chicago, Ill.
*See adv index at end of book*
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section.*
St. Louis Screw Co., Clarence & Bulwer avs, St. Lopis, Mo.
**SCOVILL MFG. CO.,** Waterbury, Conn.
*See adv index at end of book*
Screw F. P. Co., 2279 E 79th, Cleveland, O.
Screw Machine Products Corp., 1012 Eddy, Providence, R. I.
Smith F. H. Mfg. Co. (Special to Order), 3047 Carroll av, Chicago, Ill.
Southington Hardware Co., Southington, Conn.
Spafford Mach. Screw Wks., 516 Asylum, Hartford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Union Cap Screw Co., 684 Hendrie, Cleveland, O.
U. S. Automatic Co., Amherst, O.
Waltham Screw Co., Waltham, Mass.
Waterbury Mfg. Co., Waterbury, Conn.
Western Automatic Mach. Screw Co., Elyria, O.
Wire Goods Co., Worcester, Mass.
Worcester Machine Screw Co., Standard Screw Co., Successors, Worcester, Mass.

## 13179— Screw Plates

See also Stocks & Dies

**AMERICAN TAP & DIE CO** ("Adamantine," "Acme" & "Eagle"), Greenfield, Mass. *See adv index at end of book*
Borden Co., The, Warren, O.
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co. ("Derby," "Reece's New"), Derby Line, Vt.
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Card S. W. Mfg. Co. ("Paragon"), Mansfield, Mass.
Carpenter J. M. Tap & Die Co. ("Carpenter's"), Pawtucket, R. I.
Champion Blower & Forge Co. ("Champion," Electric, etc), Lancaster, Pa.
Conant & Donelson Co. ("Reliable"), Conway, Mass.
**GREENFIELD TAP & DIE CORP'N** ("Little Giant," "Lightning," "Green River," "O K" & "G. T. D." for Bolt & Pipe, Tap & Die Assortments, Greenfield, Mas.
*See adv index at end of book*
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Jarecki Mfg. Co. ("Jarecki"), Erie, Pa.
Morse Twist Drill & Machine Co. ("Morse," "No. 1, A. B. C. D. & E."), New Bedford, Mass.
Oster Mfg. Co., 2057 E 61st pl, Cleveland, Ohio
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk A. J. & Son Co. ("Common Sense"), Millersburg, Pa.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Walworth Mfg. Co., Boston, Mass.
Winter Bros. Co., Wrentham, Mass.

## 13180—*Screw Plates (Automobile)

**GREENFIELD TAP & DIE CORP'N** ("Green River," "Lightning" & "Little Giant," "O K," "G. T. D." Standard Threads), Greenfield, Mass.
*See adv index at end of book*
Hill L B Melting & Refining Co., 1250 W 8th, Cincinnati, Ohio.

## 13180a—*Screw Plates (Metric)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP'N** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## 13180b—*Screw Sleeves (Expansion)

**STANNARD MFG. CO.** ("Little Giant"), 371 Allen, Springfield, Mass.
*See adv index at end of book*

## 13181—Screw Tops (Bottle)

Wheeling Stamping Co., Wheeling, W. Va.

## 13182—Screws (Ball Cock Connection)

Chicago Nut Co., 2513 W 20th, Chicago, Ill
New London Screw & Nut Works, New London, Conn.
*See adv index at end of book*

## 13183— Screws (Bed)

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Corbin Screw Corp., New Britain, Conn.
Lamson & Sessions Co., Cleveland, O.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Upson Nut Co., Cleveland, O.

## 13184— Screws (Bench)

Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.

## 13185— Screws (Bibb)

B. B. Specialty Co., 433 Liberty av, Pittsburgh, Pa.
Hays Mfg. Co., Erie, Pa.
Scovill Mfg. Co., (To Order Only), Waterbury, Conn.
*See adv index at end of book*
Steele & Johnson Mfg. Co., Waterbury, Conn.
Worcester Machine Screw Co., Standard Screw Co., Successors, Worcester, Mass.

## 13186— Screws (Bicycle)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Chicago Screw Co., (Iron or Brass), Homan av & Fillmore, Chicago, Ill.
Curtis Screw Works, Buffalo, N. Y.
Hartford Machine Screw Co., Hartford, Conn.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Screw & Tack Co., Stanton av S E & C. & P. Ry, Cleveland, O.
Western Automatic Machine Screw Co., Elyria, O.
Worcester Machine Screw Co., Standard Screw Co., Successors, Worcester, Mass.

## 13187—Screws (Brass & Bronze)

American Pin Co. ("Ampinco" Brass Only), Waterbury, Conn.
American Screw Co., 21 Stevens, Providence, R. I.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Bridgeport Brass Co. (To Order Only), Bridgeport, Conn.
Columbus Brass Co., 538 Dublin av, Columbus, O. *See adv index at end of book*
Continental Electric Co., 1883 Park av, New York
Curtis Screw Works, Buffalo, N. Y.
Detroit Screw Works, Detroit, Mich.
Harper F. C. Screw Works (Brass Only), 19 E 8th, Chicago, Ill.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hassall Jno. (Inc.) (Plated), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
**HINDLEY GEAR CO.,** 1105 Frankford av, Phila., Pa. *See adv index at end of book*
Hubbell Harvey, Bridgeport, Conn.
Hungerford U. T. Brass & Copper Co. (All Kinds), 80 Lafayette, New York
Michigan Screw Co., Lansing, Mich.
Mutual Electric & Machine Co., 232 Fort W., Detroit, Mich.
National Acme Co. (Brass Only), 7500 Stanton av, S E, Cleveland, O.
National Screw & Tack Co. (Brass Only), Stanton av, S E, & C. & P. Ry, Cleveland, O.
New England Screw Co., 44 Farnsworth, Boston, Mass.
Phila. Machine Screw Works, 624 Race, Phila., Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
St. Louis Screw Co. (Brass & Bronze), Clarence & Bulwer av, St. Louis, Mo.
**SCOVILL MFG. CO.** Waterbury, Conn.
*See adv index at end of book*
Spafford Machine Screw Wks., 516 Asylum, Hartford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
**TRUMPBOUR-WHITEHEAD BRASS & COPPER CO.,** 309-311 Canal, New York, & 43 No 7th, Philadelphia, Pa.
*See adv index at end of book*
Waltham Screw Co., Waltham, Mass.
Waterbury Mfg. Co. (Brass Only), Waterbury, Conn.
Welch T. F. Co., 55 Sudbury, Boston, Mass.
Whitehead Metal Products Co., 67-73 Washington North, Boston, Mass.
*See adv index at end of book*
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

## 13188—Screws (Brass Machine)

American Screw Co., 21 Stevens, Providence, R. I.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Fischer Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Hill Geo. Q. Co., Framingham, Mass.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Michigan Screw Co., Lansing, Mich.
Miles Franklin S., 205 Quarry, Phila, Pa.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Screw & Tack Co., Stanton av S E & C. & P. Ry, Cleveland, O.
New England Screw Co., 44 Farnsworth, Boston, Mass.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Progressive Mfg. Co., Torrington, Conn.
Reading Screw Co., Norristown, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Reynolds James Mfg. Co., New Haven, Conn.
Scovill Mfg. Co. (& Cap), Waterbury, Conn.
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Spafford Machine Screw Wks., 516 Asylum, Hartford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Waltham Screw Co., Waltham, Mass.
Western Automatic Machine Screw Co., Elyria, Ohio
Wicaco Screw & Machine Works, 7th & Wood, Philadelphia, Pa.
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

## 13189—Screws (Brass & Iron Machine)

**DETROIT SCREW WORKS,** 348 Franklin, Detroit, Mich.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.

## 13190—Screws (Building Movers')

Erie Forge Co., Erie, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**HINDLEY GEAR CO.,** 1105 Frankford av, Phila., Pa. *See adv index at end of book*
New London Vise Works, New London, Conn.
Pollak Steel Co., Cincinnati, Ohio.

## 13191— Screws (Can)

**AMERICAN CAN CO., 120 Broadway, New** York. *See adv index at end of book*
Consolidated Fruit Jar Co. ("Chace," etc), New Brunswick, N. J.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Franklinville Canning Co., Franklinville, N. Y.
Hero Mfg. Co. (Brass & Zinc), Westmoreland av & Stokley, Phila., Pa.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Peerless Nut Co., 4300 Perkins av, Cleveland, O.
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.

## 13192— Screws (Cap & Set)

**ALLEN MFG. CO.** ("Allen" **Patent Safety** Set & Socket Head Cap Screws), 133 Sheldon, Hartford, Conn.
*See adv index at end of book*
**ATLAS BOLT & SCREW CO.,** 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Babson, Dow Mfg. Co., 60 Fulda, Boston, Mass.
**BELL CO., (THE),** 1555 Fillmore av, Buffalo, N. Y. *See adv index at end of book*
Blancke A. C. Co., 116 S. Michigan av, Chicago, Ill.
*See adv index at end of book*
**Brown Engineering Co., 110 N 3rd, Reading, Pa.** *See adv index at end of book*
Buffalo Bolt Co., Buffalo, N. Y.
Chicago Screw Co. (Iron & Steel), Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co. Twightwee, Cincinnati, O.
**CLARK BROS. BOLT CO.,** Milldale, Conn.
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Corbin Screw Corporation (Also Knurled Set, etc), New Britain, Conn.
Curtis Screw Works, Buffalo, N. Y.
Detroit Screw Works, (Also "S. A. E." Caps), 348 Franklin, Detroit, Mich.
Eastern Bolt & Nut Co., E Providence, Providence, R. I.
Ferry Cap & Set Screw Co. (Steel), Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Harper F. C. Screw Wks. (Set Only), 19 E 8th, Chicago, Ill.
Hart H. C. Mfg. Co. ("Hart," Hollow Cap Screw), Unionville, Conn.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co. (Oval, Flat, Counter Sunk, Square, Hexagon, Button & French Head), Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hope Wm. H. Co., Lowell, Mass.
Humason Mfg. Co. (Special), Forrestville Station, Bristol, Conn.
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lederer Bros. Co. (Screw Machine Products; to Specification), 100 Stewart, Providence, R. I.
Liberty Screw Co., Inc., 33 N Foster, Worcester, Mass.
Mead John J. Co., 75 Barclay, New York
*See adv index at end of book*
Michigan Screw Co., Lansing, Mich.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Niagara Screw Co., Buffalo, N. Y.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio.
Ottemiller Wm. H. Co., York, Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Payne's Bolt Works, 133 Howard, San Francisco, Cal.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Penn. Shafting Co., Spring City, Pa.
Perry-Fay Mfg. Co. (Special), Elyria, O.
Phillips R. B. Mfg. Co., Worcester, Mass.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Reed & Prince Mfg. Co., Worcester, Mass.
Reidy Mach. Screw Co., New Haven, Conn.
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.,
St. Louis Screw Co., Clarence & Bulwer av, St. Louis, Mo.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
**SCOVILL MFG. CO.** (Cap), Waterbury, Conn. *See adv index at end of book*
Screw F. P. Co., 2279 E 77th, Cleveland, O.
Sherman Klove Co. (Cap Only), 4538 W Harrison, Chicago, Ill.
Spafford Machine Screw Wks., 516 Asylum, Hartford, Conn.
Standard Turnbuckle Co., Cory, Pa.
Strong, Carlisle & Hammond Co. ("Mac-It"), 336 Frankfort av, N W, Cleveland, O.
Union Cap Screw Co. 684 Hendrie, Detroit, Mich.
U. S. Automatic Co. (Cap Only), Amherst, O.
Upson Nut Co. (Set), Cleveland, O.
Waltham Screw Co., Waltham, Mass.
Western Automatic Mach. Screw Co., Elyria, O.
Worcester Machine Screw Co., Standard Screw Co., Successor (Rolled & Cut Thread), Worcester, Mass.

## 13193— Screws (Capstan)

Moore Geo. W. ("Moore's), 44 Farnsworth, Boston, Mass.

## Screws (Closet)

**See Screws, Plumbers'**

## 13194—Screws (Coach & Lag)

See also Screw Manufacturers, Wood

American Bolt Co., Birmingham, Ala.
Armstrong & Parker, 36 Guilford av, Baltimore, Md.
Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, Ohio.
*See adv index at end of book*
Bassett D. M. Bolt Works, Shelton, Conn.
**BAYONNE BOLT & NUT CO.,** Bayonne, N. J. *See adv index at end of book*
Berry Bros., Columbus, O.
Bethlehem Steel Co., So Bethlehem, Pa.
Buffalo Bolt Co., Buffalo, N. Y.
**CLARK BROS. BOLT CO.,** Milldale, Conn.
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. L. E. Belt Line, Cleveland, O.
Columbus Bolt Works Co., Columbus, O.
Continental Bolt & Iron Works, 2225 W 43d, Chicago, Ill.
Corbin Screw Corporation (Gimlet Pointed, etc), New Britain, Conn.
Falls Rivet Co., Kent, Ohio.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.
Galvanized Products Co., Phillipsburg, N. J.
Gary Screw & Bolt Co., Gary, Ind.
Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.
Greenlie-Halliday Co., 499 Water, New York
Haskell Wm. H. Mfg. Co. (Gimlet Pointed), Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Kansas City Bolt & Nut Co. (Coach), Kansas City, Mo.
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
Lake Erie Bolt & Nut Co. (Also Gimlet Pointed Coach, ft of E 63d, Cleveland, O.
Lamson & Sessions Co., 2188 Scranton rd, Sec, Cleveland, O.
Lanz M. & Sons (Cone & Gimlet Pointed Lag) 2907 Carson, Pittsburgh, Pa.
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Mead John J. Co., 75 Barclay, New York
*See adv index at end of book*
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
Milton Mfg. Co., Milton, Pa.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
National Screw & Tack Co., Stanton av S E & C. & P. Ry, Cleveland, O.
New Castle Steel & Iron Co., Pittsburgh, Pa.
Oliver Iron & Steel Co. (Gimlet Pointed, etc), S 10th & Muriel, Pittsburgh, Pa.
Pawtucket Mfg. Co. (Gimlet Point), Pawtucket, R. I.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Pottsville Bolt Co., Pottsville, Pa.
Republic Iron & Steel Co. (Gimlet Pointed), Youngstown, O.
*See Branch Offices Alphabetical Section*
Rhode Island Tool Co. (Gimlet Pointed), Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
Roe & Conover (Lag), 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Scranton Bolt & Nut Co., Scranton, Pa.
Southern California Iron & Steel Co., (Lag Only), 4th & Mateo, Los Angeles, Cal.
Upson Nut Co., Cleveland, O.

## 13195— Screws (Collar)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Corbin Screw Corporation, New Britain, Conn.
Curtis Screw Works, Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Gary Screw & Bolt Co., Gary, Ind.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill Geo. Q. Co., 32 Dorchester av, Boston, Mass.
**HINDLEY GEAR CO., 1105 Frankforday, Philadelphia, Pa.**
*See adv index at end of book*
Michigan Screw Co., Lansing, Mich.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Niagara Screw Co., Buffalo, N. Y.
Pawtucket Mfg. Co., Pawtucket, R. I.
Philadelphia Machine Screw Works (Also for Electrical Trade), 624 Race, Phila., Pa.
Phillips R. B. Mfg. Co., Worcester, Mass.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Spafford Machine Screw Wks., 516 Asylum, Hartford, Conn.
Waltham Screw Co., Waltham, Mass.
Western Automatic Mach. Screw Co., Elyria, O.
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

## Screws (Dowel)

**See Screws, Wood**

## Screws (Drive)

**See Screws, Wood**

## 13196— Screws (Feed)

**HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.**
*See adv index at end of book*

## 13197-8—Screws for Electrical Trade

**See also Screw Machine Products**

Detroit Screw Works (Collar, etc.), 348 Franklin, Detroit, Mich.
Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
Scovill Mfg. Co. (Machine & Cap), Waterbury, Conn. *See adv index at end of book*

## 13199— Screws (Gib)

**See also Screw Machine Products**

Detroit Screw Works, 348 Franklin, Detroit, Mich.
Laughlin, Thos. A., Portland, Maine.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## 13200— Screws (Gun)

Hartford Machine Screw Co., Hartford, Conn.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.

Screw Machine Products Corp., 1012 Eddy, Providence, R. I.
Spafford Machine Screw Wks., 516 Asylum, Hartford, Conn.
Waltham Screw Co., Waltham, Mass.

## 13201— Screws (Hand)

**Adjustable Clamp Co. ("Jorgensen" Adjustable Steel Spindle), 216 N Jefferson, Chicago, Ill.**
**Bogert & Hopper, Inc. (Wood), 57 Barclay, New York.**
*See adv index at end of book*
**Chicago Screw Co. (Improved Wrought Iron Screws with Metal Bearing), Homan av & Fillmore, Chicago, Ill.**
**Christiansen C., 2814 W 26th, Chicago, Ill.**
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
**Handy Mfg. Co., 29 E Madison, Chicago, Ill.**
**Illinois Iron & Bolt Co. (Wrought Iron), Carpentersville, Ill.**
**Kantslip Company ("Kantslip" Wood & Steel), Freeport, Mich.**
**New London Vise Works, New London, Conn.**
**Oliver Machinery Co., Grand Rapids, Mich.**
**O'Neil J. H. Jr., Pawtucket, R. I.**
**Rock Island Mfg. Co., Rock Island, Ill.**
**Sandusky Tool Co. (Wood), Sandusky, O.**
**Sargent & Co. (Iron & Wood), New Haven, Conn.**
**Western Automatic Machine Screw Co., Elyria, O.**

## 13202— Screws (Hand Rail)

**Corbin Screw Corporation, New Britain, Conn.**
**Jencks E. Mfg. Co., Worcester, Mass.**
**Landers, Frary & Clark, New Britain, Conn.**
**Parker Wire Goods Co., Worcester, Mass.**
**Sargent & Co., New Haven, Conn.**
**Wire Goods Co., Worcester, Mass.**

## Screws (Hand Saw)

See Screws, Saw

## 13203— Screws (Hanger)

**ANKYRA MFG. C.,** Wayne Junction, Phila, Pa. *See adv index at end of book*
**Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.**
*See adv index at end of book*
**Bayonne Bolt & Nut Co., Bayonne, N. J.**
*See adv index at end of book*
**Bethlehem Steel Co., So Bethlehem, Pa.**
**Clark Bros. Bolt Co., Milldale, Conn.**
*See adv index at end of book*
**Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.**
**Columbus Bolt Works Co., Columbus, O.**
**Corbin Screw Corporation (Bolts), New Britain, Conn.**
**Curtis Screw Works, Buffalo, N. Y.**
**Detroit Screw Works, 348 Franklin, Detroit, Mich.**
**Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.**
*See adv index at end of book*
**Foster Bolt & Nut Mfg. Co., Union av & E 72d, Cleveland, O.**
**Gary Screw & Bolt Co., Gary, Ind.**
**Haskell Wm. H. Mfg. Co., Pawtucket, R. I.**
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
**Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.**
**Lamson & Sessions Co., 2188 Scranton rd, Sec, Cleveland, O.**
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
**Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.**
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**
**National Acme Co., 7500 Stanton av, S E, Cleveland, O.**
**National Screw & Tack Co., Stanton av S E & C. & P. Ry, Cleveland, O.**
**New England Bolt Co., Everett, Mass.**
**Niagara Screw Co., Buffalo, N. Y.**
**Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio.**
**Pawtucket Mfg. Co., Pawtucket, R. I.**
**Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.**
**Reed & Prince Mfg. Co., Worcester, Mass.**
**Rockford Bolt Co., 60 Mill, Rockford, Ill**
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**
**Scranton Bolt & Nut Co., Scranton, Pa.**
**Shelton Company, Shelton, Conn.**
**Smith Thos. Co., Worcester, Mass.**
**Steward & Romaine Mfg. Co., 124 N 6th, Phila., Pa.**
**Upson Nut Co., Cleveland, O.**
**Western Automatic Machine Screw Co., Elyria, O.**
**Worcester Machine Screw Co. (Standard Screw Co. Successor), Worcester, Mass.**

## 13204— Screws (Headless)

**Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.**
*See adv index at end of book*
**Brooks M. S. & Sons, Chester, Conn.**
**Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.**
**Corbin Screw Corp., New Britain, Conn.**
**Detroit Screw Works, 348 Franklin, Detroit, Mich.**
**Hanson Bros., Plainville, Conn.**
**Hartford Machine Screw Co., Hartford, Conn.**
**National Acme Co., 7500 Stanton av, S E, Cleveland, O.**
**Philadelphia Machine Screw Works, 624 Race, Phila., Pa.**
**Phillips R. B. Mfg. Co., Worcester, Mass.**
**Richards Benj & Co., Winsted, Conn.**
**Rockford Bolt Co., Rockford, Ill.**
**Screw Machine Products Corp., 1012 Eddy, Providence, R. I.**
**Waterbury Mfg. Co., Waterbury, Conn.**

## 13205—Screws (Hook & Eye)

**Bethlehem Steel Co., So Bethlehem, Pa.**
**Haskell Wm. H. Mfg. Co., Pawtucket, R. I.**
**Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.**

## Screws (House Raising)

See Screws, Building Movers'

## 13206— Screws (Jack)

See also Jacks, Screw; also Jacks, Ratchet
**American Skein & Foundry Co., Racine, Wis.**
**Crofoot Gear Works, Cambridge, Mass.**
**Eichleay John Jr. Co. (House Movers', Seamless), 20th & Wharton, Pittsburgh, Pa.**
**Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.**
*See adv index at end of book*
**HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.**
*See adv index at end of book*
**Hobbs Clinton E Co. ("Green Head") 33 Pearl, Boston, Mass.**
*See adv index at end of book*
**Illinois Iron & Bolt Co. ("I. I. & B. Co."), Carpentersville, Ill.**
**McLagon Foundry Co., New Haven, Conn.**
**Marcil & Smith, Springfield, Mass.**
**Miller's Falls Co., 28 Warren, New York**
**Pollak Steel Co. (Turbine), Cincinati, Ohio.**
**Sargent & Co., New Haven, Conn.**
**STARRETT L. S. CO. (THE)** ("Little Giant"), Athol, Mass.
*See adv index at end of book*
**Southern Skein & Foundry Co., Chattanooga, Tenn.**
**Swett A. L. Iron Works (Ratchet, etc), 145 Glenwood av, Medina, N. Y.**
**West Haven Mfg. Co. ("High Low Jack," Machinists), West Haven, Conn.**

## 13207—Screws (Jack, Cable Reel)

**Illinois Iron & Bolt Co. ("I. I. & B. Co."), Carpentersville, Ill.**

## Screws (Jewelers')

See Screws, Watch & Clock

## 13207a— Screws (Lag)

See also Screws, Coach & Lag
**Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleevland, O.**
*See adv index at end of book*
**Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.**
*See adv index at end of book*
**Larkin J. K. & Co., 34 Reade, New York**
*See adv index at end of book*
**St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.**

## 13208— Screws (Lead)

**Crofoot Gear Works, Cambridge, Mass.**
**HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.**
*See adv index at end of book*

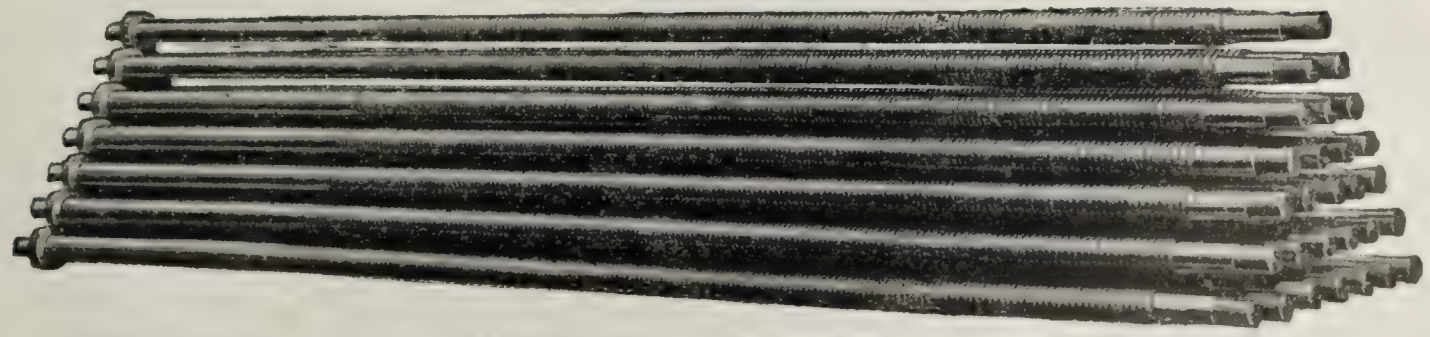
## 13209— Screws (Long)

**CRESSMAN N. C. CO., Drexel bldg, Philadelphia, Pa.**
**Pollak Steel Co. (Feed), Cincinnati, Ohio.**

## 13210— Screws (Machine)

**American Screw Co., 21 Stevens, Providence, R. I.**
**Atlas Bolt & Screw Co. (Iron & Brass), 1130 Ivanhoe rd, Cleveland, O.**
*See adv index at end of book*


Lead Feed and Power Screws



Philadelphia HINDLEY GEAR COMPANY Penna.
1105 Frankford Ave.

SCREWS (MACHINE)—continued
Babson, Dow Mfg. Co., 60 Fulda, Boston, Mass.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Continental Wood Screw Co. (Special), New Bedford, Mass.
Corbin Screw Corporation (Brass or Iron), New Britain, Conn.
Draper Corp., Hopedale, Mass.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
General Mfg. Co., Waterbury, Conn.
Harper F. C. Screw Works, 19 E 8th Chicago, Ill.
Hartley Screw Products Co., Poinier, Newark, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hassall Jno. (Inc.) (Copper, Iron, Aluminum), Clay & Oakland, Brooklyn, N.Y.
*See adv index at end of book*
Hill Geo. Q. Co., Framingham, Mass.
Hubbell Harvey (Inc.), Bridgeport, Conn.
Keystone Screw Co., 17th & Lehigh, Philadelphia, Pa.
Kirk-Latty Mfg. Co. 1971 W 85th, Cleveland, O.
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th, New York
*See adv index at end of book*
Lederer Bros. Co. (Screw Machine Products to Specification), 100 Stewart, Providence, R. I.
Liberty Screw Co., Inc., 33 N Foster, Worcester, Mass.
Lubenow Mfg. Co., 592 1st av, Milwaukee, Wis.
Mead John J. Co., 75 Barclay, New York
*See adv index at end of book*
Miles Franklin S. (Brass, Iron & Steel), 205 Quarry, Phila., Pa.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
National Screw & Tack Co., Stanton av S E & C. & P. Ry, Cleveland, O.
New England Screw Co., 44 Farnsworth, Boston, Mass.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio
Ontario Machine Screw Co., Ontario & Rorer, Phila., Pa.
Pheoll Mfg. Co. (Brass, Iron, Copper, Bronze Monel Metal & Steel), 3700 W 12th, Chicago, Ill.
Philadelphia Machine Screw Works (All kinds of special), 624 Race, Phila., Pa.
Progressive Mfg. Co., Torrington, Conn.
Reading Screw Co. (Brass & Iron), Norristown, Pa.
Reed & Prince Mfg. Co. (Brass, Bronze & Steel) Worcester, Mass.
Reidy Mach. Screw Co., New Haven, Conn.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
**SCOVILL MFG. CO.**, Waterbury, Conn.
*See adv index at end of book*
Spafford Machine Screw Works, 516 Asylum, Hartford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Waltham Screw Co., Waltham, Mass.
**WATERBURY MFG. CO.**, Waterbury, Conn.
Western Automatic Mach. Screw Co., Elyria, Ohio
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.
Wicaco Screw & Machine Works, 7th & Wood, Philadelphia, Pa.
Worcester Mach. Screw Co., Standard Screw Co., Successors (Rolled & Cut Thread), Worcester, Mass.

## 13210a— Screws (Milled)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Framingham Screw Works, Framingham, Mass.

## 13210b—Screws (Nickel Silver)

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Curtis Screw Works, Buffalo, N. Y.

Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
National Acme Co., 7500 Stanton av, S E. Cleveland, O.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Reed & Prince Mfg. Co., Worcester, Mass
Waltham Screw Co., Waltham, Mass.
Western Automatic Mach. Screw Co., Elyria, O.
Wicaco Screw & Machine Works, 7th & Wood, Philadelphia, Pa.
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

## 13211— Screws (Optical)

Greer Frederic, 525 W Vanburen, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Waltham Screw Co., Waltham, Mass.

## 13212—Screws (Ore Washer)

Bethlehem Steel Co., So Bethlehem, Pa.
**HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.**
*See adv index at end of book*

## 13213— Screws (Pad)

Frazer & Jones Co., Syracuse, N. Y.
National Screw & Tack Co. (For Saddlers), Stanton av S E & C. & P. Ry, Cleveland, O.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.

## 13214—Screws (Pattern Lifting)

Federal Malleable Co. ("Fraser"), West Allis, Wis.

## 13215—Screws (Phosphor Bronze)

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

## Screws (Plated & Lacquered)

See Screws, Wood; also Screws, Brass, etc

## 13216— Screws (Plumbers')

See also Washers, Plumbers
American Pin Co. ("Ampinco" Brass & Iron), Waterbury, Conn.
Ansonia Mfg. Co., Ansonia, Conn.
Berbecker & Rowland Mfg. Co. (Brass), Waterville, Conn.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Cleveland Wrought Products Co., 58th & W. & L. E. Belt Line, Cleveland, O.
Edwardsville Brass Co. (Traps, etc), Edwardsville, Ill.
Frost Mfg. Co. (Brass Closet), Kenosha, Wis.
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Hassall Jno. (Inc.) (Gas), Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
Hays Mfg. Co. (Brass Trap, etc), Erie, Pa.
New England Screw Co., 44 Farnsworth, Boston, Mass.
Russell J. M. Mfg. Co., Naugatuck, Conn.
Starbuck R. M. & Sons, Hartford, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.
Winsted Hardware Mfg. Co., Winsted, Conn.
Wolverine Brass Works (Closet, etc), Grand Rapids, Mich.
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

## 13217—Screws (Power, Lead & Feed)

Crofoot Gear Works, Cambridge, Mass.

**HINDLEY GEAR CO., (Any length, any pitch, any style thread) 1105 Frankford av, Phila., Pa.**
*See adv index at end of book*

## 13218— Screws (Press)

American Skein & Foundry Co. (For Pressing Cider, Tobacco, Cheese, etc), Racine, Wis.
**HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.**
*See adv index at end of book*
Illinois Iron & Bolt Co. (For Pressing Cider, Tobacco, Cheese, etc), Carpentersville, Ill.

## 13219— Screws (Rigging)

**HINDLEY GEAR CO., 1105 Frankford av, Philadelphia, Pa.**
*See adv index at end of book*
Wilcox Crittenden & Co. Inc., Middletown, Conn. *See adv index at end of book*

## 13220—Screws (Rolled Thread)

Atlas Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
*See adv index at end of book*
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Corbin Screw Corp., New Britain, Conn.
Equipoise Rivet Co., Waterbury, Conn.
General Mfg. Co., Waterbury, Conn.
**HASSALL JNO. (INC.)**, Clay & Oakland, Brooklyn, N. Y.
*See adv index at end of book*
National Acme Co., 7500 Stanton av N E, Cleveland, O.
New England Screw Co., 44 Farnsworth, Boston, Mass.
New Haven Rivet Co., New Haven, Conn.
Progressive Mfg. Co., Torrington, Conn.
Reed & Prince Mfg. Co., Worcester, Mass.

## 13220a—*Screws (Safety Set)

**ALLEN MFG. CO.** ("Allen" Patent), 133 Sheldon, Hartford, Conn.
*See adv index at end of book*
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.

## 13221— Screws (Saw)

Corbin Screw Corporation, New Britain, Conn.
Curtis Screw Works, Buffalo, N. Y.
Disston H. & Sons, Tacony, Phila., Pa.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
Petry N. A. Co., Inc., 1309 Race, Phila., Pa.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Sargent & Co. (Brass), New Haven, Conn.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.

## Screws (Set)

**See Screws, Cap & Set**

## 13222—Screws (Set, Hollow)

**ALLEN MFG. CO.**, 133 Sheldon, Hartford, Conn. *See adv index at end of book*
**BRISTOL CO.** ("Bristo Safety"), Waterbury, Conn. *See adv index at end of book*
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Mac-It Parts Co., Lancaster, Pa.
New Haven Screw Co. ("Foster"). 191 Foster, New Haven, Conn.
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Standard Pressed Steel Co. ("Standco"), 20th & Indiana, Phila., Pa.
Strong, Carlisle & Hammond Co. ("Mac-It"), 336 Frankfort av, N. W., Cleveland, O.

## 13223—Screws (Sheet Metal)

Parker Supply Co., 785 E 135th, New York

The "Allen" has accurate, die-cut threads made to standard gauges, and is perfect in lead. Scientifically heat-treated.

# ALLEN Safety (Hollow) Set Screws

**30% Extra Strength** over **broached** hollow screws—the only other kind made. By a patented process we increase the density of the steel, so that even the smaller sizes are sufficiently strong to withstand all the strain the best-made wrench can apply. The Allen process makes deep, perfectly-formed socket-holes—**no chips** in the bottom. The entire length of the ALLEN is utilized either for solid metal at the point, or depth of socket for the wrench. All sizes in stock from 1/4" to 1 1/2"; any length, point or thread. **Completely descriptive catalogue** on request.

## The Allen Manufacturing Company

133 Sheldon Street HARTFORD, CONN.

"Allen" socket-holes are clean and perfectly formed down to the bottom; maximum gripping surface for the wrench.


### 13224— Screws (Shutter)

**Reading Hardware Co., Reading, Pa.**
Sargent & Co., New Haven, Conn.

### 13225— Screws (Side Knob)

Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
**Corbin Screw Corp., New Britain, Conn.**
Harper F. C. Screw Wks., 19 E. 8th, Chicago, Ill.
**Hassall Jno. (Inc.), Clay & Oakland, Brooklyn, N. Y.**
*See adv index at end of book*
**Penn. Hardware Co., Reading, Pa.**
**Reed & Prince Mfg. Co.. Worcester, Mass.**

### 13226— Screws (Skein)

**Bethlehem Steel Co., So Bethlehem, Pa.**
**Foster Bolt & Nut Mfg. Co., Union av & 72nd, Cleveland, O.**
**Kansas City Bolt & Nut Co., Kansas City, Mo.**
Lamson & Sessions Co., 2188 Scranton rd, Cleveland, O.
**Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich .**
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
St. Louis Screw Co., Clarence & Bulwer, avs, St. Louis, Mo.

### 13227— Screws (Stage)

**Brewer Bros. Co. (Steel), 2nd & Somerset, Philadelphia, Pa.**

### 13228— Screws (Stop Bead)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Lawrence Bros., Sterling, Ill.**
**National Mfg. Co. ("One Piece"), Sterling, Ill.**

### 13229— Screws (Stud)

**Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.**
*See adv index at end of book*
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
**Haskell Wm. H. Mfg. Co., Pawtucket, R. I.**
**Hill Geo. Q. Co., Framingham, Mass.**
Michigan Screw Co., Lansing, Mich.
**Miles Franklin S., 205 Quarry, Phila., Pa.**
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
**Reynolds James Mfg. Co., New Haven, Conn.**
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
**Spafford Machine Screw Works, 516 Asylum, Hartford, Conn.**
**Waltham Screw Co., Waltham, Mass.**
**Western Automatic Mach. Screw Co., Elyria, O.**

### 13230—Screws (Telegraph Pole)

**Worcester Machine Screw Co., Standard Screw Co., Successor, Worcester, Mass.**

### 13231— Screws (Thumb)

**Babson, Dow Mfg. Co., 60 Fulda, Boston, Mass.**
Billings & Spencer Co., ("B & S") Hartford, Con.
**Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.**
*See adv index at end of book*
**Bonney Vise & Tool Wks., Inc., Allentown, Pa.** *See adv index at end of book*
Chicago Screw Co. (Drop Forge & Malleable Iron), Homan av & Fillmore, Chicago, Ill.
**Clark Bros. Bolt Co., Millidale, Conn.**
*See adv index at end of book*
Corbin Screw Corp., New Britain, Conn.
**Curtis Screw Works, Buffalo, N. Y.**
Detroit Screw Works, 348 Franklin, Detroit, Mich.
**Devlin Thos. Mfg. Co., 3d & Lehigh av, Phila., Pa.**
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Harris Samuel & Co ("Harris"), 114 N Clinton, Chicago, Ill.
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co. (Drop Forged), Pawtucket, R. I.
**Hill Geo. Q. Co., Framingham, Mass.**
Miles Franklin S., 205 Quarry, Phila., Pa.
**New England Screw Co., 14 Farnsworth, Boston, Mass.**
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Parker Wire Goods Co. (Wire Box, Thumb), Worcester, Mass.
Philadelphia Machine Schew Works, 624 Race, Phila., Pa.
**Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.**
**Reed & Prince Mfg. Co. (Thumb), Worcester, Mass.**
Rhode Island Tool Co., Providence, R. I.
Rockford Bolt Co., 60 Mill, Rockford, Ill.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Steele & Johnson Mfg. Co., Waterbury, Conn.
**Welch T. F. Co. (Brass), 55 Sudbury, Boston, Mass.**
Western Automatic Mach. Screw Co., Elyria, Ohio
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Wrightsville Hardware Co. (With Wrought Bolt), Wrightsville, Pa.

### 13232— Screws (Tobacco)

Bates Elevator Co., 211 Preston, Baltimore, Md.
Ripley Foundry & Machine Co. ("Parker," Stationary), Ripley, O.

### 13233—Screws (Watch & Clock)

Waltham Screw Co., Waltham, Mass.

### Screws (Water Closet)

See Screws, Plumbers

### 13234— Screws (Wood)

American Screw Co., 21 Stevens, Providence, R. I.
Atlantic Screw Works (Brass & Bronze), (David Tilton, Prop.), Hartford, Conn.
Bridgeport Screw Co. ("B. S. Co." Iron, Steel & Brass), Bridgeport, Conn.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Continental Wood Screw Co., New Bedford, Mass.
Corbin Screw Corporation, New Britain, Conn.
Eagle Lock Co., Terryville, Conn.
Federal Screw Corp., 393 Harris av, Providence, R. I.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Hartley Screw Products Co., Poinier, Newark, N. J.**
Mead John J. Co., 75 Barclay, New York
*See adv index at end of book*
National Screw & Tack Co. (Iron & Brass) Stanton av, S E & C & P Ry., Cleveland, Ohio
Parker Chas. Co. ("U. SC. Screw Co."), Meriden, Conn.
Penn. Hdw. Co., Reading, Pa.
Reading Screw Co. (Brass & Iron), Norristown, Pa .
**Reed & Prince Mfg. Co.** (Steel, Brass & Bronze), Worcester, Mass.
**Southington Hardware Co., Southington, Conn.**
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

### 13235— Screws (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Peirce Wm. E. & Co., Milford, N. H.

### 13236—Scribers (Adjustable, Etc.)

**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

### 3237— Scribers (Machinists')

Brown & Sharpe Mfg. Co., Providence, R. I.
Goodell-Pratt Co., Greenfield, Mass.
S. & I. Co., Springfield, Mass.
West Haven Mfg. Co. ("Westhaven"), West Haven, Conn.

### 13238— Scribes (Timber)

Bemis & Call Hardware & Tool Co., Springfield, Mass.

### 13239— Scriptographs

Bond St. Georges (For Writing Signatures in Multiple), Crozer bldg, Phila., Pa.

### 13239a— Scrolls (Wooden)

See also Ornaments, Wood
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Spanjer Bros, 198 Badger av, Newark, N. J.

### Scrubbers (Ammonia)

See Purifiers & Scrubbers, Gas

## 13240— Scrubbers (Floor)

Dennis W. J. & Co. ("Ideal" Rubber), 2120 W Lake, Chicago, Ill.
Standard Cleaner Co. (Rubber), 136 W Lake, Chicago, Ill.

## Scrubbers (Gas)

See Purifiers & Scrubbers, Gas

## Sculptors (Architectural)

See Modelers & Sculptors, Architectural; also Carvers, Stone

## 13241— Scuppers

Dean Olney J. & Co., 179 W Washington, Chicago, Ill. *See adv index at end of book*
Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
**WATERTITE DRAIN & SCUPPER CO.**, 351 Lexington av, New York

## 13242—Scutches (Bricklayers')

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Plomb Tool Mfg., 2209 Santa Fe av, Los Angeles, Cal.

## 13242a— Scuttles (Ship)

Thacher Propeller & Foundry Corp., Albany, N. Y.

## 13243— Scythe Mfrs.

American Axe & Tool Co., Glassport, Pa.
Bartlett Mfg. Co. (Grass, Weed & Bush), 43 E Lafayette av, Detroit, Mich.
Boker Cutlery & Hardware Co., 101 Duane, New York
Columbian Cutlery Co. (Grass, Weed & Bush), Reading, Pa.
Dunn Edge Tool Co. ("Clipper," "Damascus," "Black Champion"), Oakland, Me.
Emerson & Stevens Mfg. Co., Oakland, Me.
Kelly Axe Mfg. Co. ("Kelly Perfect"), "Flint Edge" "Vulcan"), Charleston, W. Va.
North Wayne Tool Co. ("C. C. Brooks," "Little Giant," "Be Ve Be"), Hallowell, Me.
Rixford Mfg. Co., East Highgate, Vt.
Sibley Scythe Co., North Newport, N. H.
Wadsworth David & Son, Auburn, N. Y.
Winsted Mfg. Co. (Grass, Grain, Bush, Bramble, Weed & Lawn), Winsted, Conn.

## 13244— Scythe Snaths

American Fork & Hoe Co., Swetland bldg, Cleveland, O.
Brinser E. C. Sons, Richmond, Va.
Derby & Ball, Bellows Falls, Vt.
Edwards & Edwards, Waterbury, Vt.
Emerson & Stevens Mfg. Co., Oakland, Me.
Fenn Mfg. Co. ("Independent"), Charlotte, Mich.
North Indianapolis Cradle Works, Indianapolis, Ind.
Seymour Mfg. Co. ("Princess," "Daisy," "Nivision," "So. African Creedmoor"), Seymour, Ind.

## 13245— Seacoal

Lookout Paint Mfg. Co., Chattanooga, Tenn.
Midvale Mining & Mfg. Co., Central Natl. Bank bldg, St. Louis, Mo. Works: East St. Louis, Ill.

## 13246—Seals (Case & Box)

**CARY MFG. CO.** ("Cary's Patented Protective Seals), Nassau & Jay, Brooklyn, N. Y. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Milwaukee Label & Seal Co. ("Jubian" Gold"), 161 Michigan, Milwaukee, Wis.
**STANLEY WORKS**, New Britain, Conn. *See adv index at end of book*

## 13246a— Seals (Embossed)

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Grand Rapids Label Co., Grand Rapids, Mich.
Shuman Frank G. Co., 168 N. Michigan av, Chicago, Ill.
Tablet & Ticket Co., 624 W Adams, Chicago, Ill.

## 13246b— Seals (Jar)

See also Caps (Bottle & Flask)

Anchor Cap & Closure Corp., 81 Prospect, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
National Metal Seal Corp., 60 Wall, New York
Victor Jar Co., 321 Monroe, Detroit, Mich.

## 13247— Seals (Lead)

Acme Steel Goods Co. ("Acme"), 2834 Archer av, Chicago, Ill.
American Casting & Mfg. Corp. 30 Main, Brooklyn, N. Y.
American Smelting & Refining Co., Cincinnati, O.
Chadwick-Boston Lead Co., Boston, Mass.
Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila, Pa. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.
Lawrence Shot & Lead Co., Omaha, Neb.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Reed, Evan L., Mfg. Co., Sterling, Ill.

## Seals (Meter)

See Meter Seals

## 13248—Seals (Shipping Case)

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Mensha Wooden Ware Co. ("Mensha," Wooden for Candy, Cocoanut, Lard, Pails, etc), Mensha, Wis.
Wire & Steel Products Co., Inc., 417 E 22nd, New York

## 13249— Seals (Tin)

Acme Steel Goods Co. ("Acme"), 2834 Archer av, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Porter Safety Seal Co. ("Porter" Safety), 163 W Harrison, Chicago, Ill.

## 13250— Seals & Sealing Presses (Car)

American Casting & Mfg. Corp., 30 Main, Brooklyn, N. Y.
American Railway Supply Co., 134 Charles New York
American Seal Co., Bridgeport, Conn.
American Smelting & Refining Co. (Lead), Cincinnati, O.
Brooks E. J. & Co., 227 Fulton, New York
Chicago Car Seal Co. (Shippers), 364 N Green, Chicago, Ill.
Dickey Grabler Works, W Madison & 103rd, Cleveland, Ohio
Dickey Mfg. Co. ("Premier"), Indiana Harbor, Ind.
Edgar Steel Seal & Mfg. Co. (Steel Seals), Lawrence, Kans.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Handlan-Buck Mfg. Co. ("Handlan's"), 210-14 N 3d, St. Louis, Mo.
Hiertz Theo., Alaska & Tesson (Lead Car Seals), St. Louis, Mo.
Hill-Independent Mfg. Co., Emerald & Adams, Phila., Pa.
Howlet J. & Co. (Lead Car Seals), Irvington, N. J.
International Seal & Lock Co. ("Tyden" Self-Locking Seals), Hastings, Mich.
Keystone Seal & Press Co. ("Keystone" "Giant," Bull Dog Presses & "Keystone" Anchor," "Diamond," "Duplex" Seals), 30 Main, Brooklyn, N. Y.
National Car Seal Co., Hamilton, O.
Northwestern Car Seal Co., 108 N Jefferson, Chicago, Ill.
Parker T. M., Hartford, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Utica Drop Forge & Tool Co. (Presses), Utica, N. Y.

## 13251-2—Seals & Sealing Presses (Cigar Makers')

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
National Selling Co., Allentown, Pa.

## 13253— Seamers (Roofing)

Burritt O. W. & Bro. ("Burritts" Double & Cross Lock for Tin & Galvanized Roofing), Weedsport, N. Y.
Emrich Phil. ("Emrich" Double, etc), 824 Main, Cincinnati, O.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa. *See adv index at end of book*

## Searchlights

See Projectors or Searchlights

## 13254—Searchlights (Acetylene)

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Hall, C. M., Lamp Co. ("Solar"), Hancock & Rivard, Detroit, Mich.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.
Rose Mfg. Co. ("Neverout"), 910 Arch, Phila, Pa.

## Searchlights (Electric)

See Projectors or Searchlights

## 13255-6—*Seat Ends (Hollow Metal)

**DAHLSTROM METALLIC DOOR CO.** (For R. R. Cars), 413 Buffalo st, Jamestown, N. Y. *See adv index at end of book*

## Seating

See Furniture, School; also Furniture, Church; also Opera Chairs & Assembly Seating

## Seating (Car)

See Car Seats, Chairs & Fittings

## 13257— Seating (Veneer)

Adler Veneer Seat Co., Payntar av, Brooklyn, N. Y.
Ahnapee Veneer & Seating Co., Algoma, Wis.
American Veneer Co., Hoboken, N. J.
Eggers Fred Veneer Seating Co., Two Rivers, Wis.
Frost's Veneer Seating Co. (Ltd.), Sheboygan, Wis.
McKibben G. N. (Also Panels, etc), South Norwalk, Conn.

## 13258—Seats (Agricultural Implement)

American Shovel & Stamping Co., Lorain, Ohio
Cambria Steel Co. (Pressed Steel), Widener bldg, Phila., Pa.
Moline Pressed Steel Co., East Moline, Ill.
St. Louis Metalware Co., 2507 W Broadway, St. Louis, Mo.
**YOUNGSTOWN PRESSED STEEL CO.** (Pressed Steel), Warren, O. *See adv. index at end of book*

## 13259— Seats (Automobile)

A. Z. Co. ("A.-Z." Metal), 527 W 56th, New York
Ahr & Rost Co. (Wood), Cincinnati, O.
American Auto Top Mfg. Co. (Folding Auxiliary), 1451 Wash blvd, Chicago, Ill.
Ames Motor Car Co., Owensboro, Ky.
Amesbury Brass & Foundry Co., Amesbury, Mass.
Borbein Auto Co., 2109 N 9th, St. Louis, Mo.
Brunn & Co. (Folding), 988 Ellicott, Buffalo, N. Y.
Buffington C. A. & Co. ("Buffington" Steel Chairs & Tools), Berkshire, N. Y.
Central Mfg. Co. (Steel), Connersville, Ind.
Chicago Coach & Carriage Co. (Folding), 1223 S Michigan av, Chicago, Ill.
Chicago Steel Foundry Co. (Cast Steel Spring Seats to Order), 3701 S Kedzie av, Chicago, Ill.
Cincinnati Panel Co., 1988 W 8th, Cincinnati, O.
Dann Bros. & Co., New Haven, Conn.
Essex Brass Foundry Co. (Auxiliary), Cambridge, Mass.

Hill Mfg. Co. ("Hill" Auxiliary Revolving & Folding), 23 Fuller, Buffalo, N. Y.
Hodge & Graves Co. ("Luxury" Revolving Auxiliary Chairs), Amesbury, Mass.
Kimball C. P. & Co. (Folding), 3900 S Michigan av, Chicago, Ill.
Kreidler Auto Top Co., Trenton, N. J.
McKinnon Dash Co. ("McKinnon" Folding), Buffalo, N. Y.
Metal Stamping Co. ("Peerless" Folding), 13th, Long Island City, N. Y.
Miller A. J. & Co., Bellefontaine, O.
Niagara Auto Radiator Co. (Metal), 151 W 68th, New York
Polson Mfg. Co. ("Polson" Auxiliary), Buffalo, N. Y.
St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.
Sterling Top & Equipment Co., 518 W 57th, New York
Sussman M. & Rosenburg Mfg. Co., Tarrytown, N. Y.
Union City Body Co., Union City, Ind.
Vincent-Alward Co., Kenosha, Wis.
Walker-Wells Co., Amesbury, Mass.

## 13260— Seats (Bath Tub)

Aetna Plating Works, 126 S Clinton av, Chicago, Ill.
Bogert & Hopper, Inc. (Wooden, also Closet), 57 Barclay, New York
*See adv index at end of book*
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Specialty Mfg. Co., 508 S Peoria, Chicago, Ill.
Church C. F. Mfg. Co. ("White Pyralin"), Holyoke, Mass.
Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
Eastern Specialty Mfg. Co., Scranton, Pa.
Edwardsville Brass Co., Edwardsville, Ill.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Eustis J. P. Mfg. Co. ("Brasscrafters"), Cambridge, Mass.
Galard Co. ("Omala"), 335 6th av, Newark, N. J.
Hess Chas Co. (For Export), 96 Wall, New York
Jenkins Mfg. Co., Bloomfield, N. J.
Leclaire Mfg. Co., Edwardsville, Ill.
Novelty Mfg. Co. ("Wilwear," Adjustable), Waterbury, Conn.
Parker Chas. Co., Meriden, Conn.
Plumbers' Woodwork Co., Algoma, Wis.
Queen Mfg. Co., 313 S Clinton, Chicago, Ill.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.
Sillcocks-Miller Co. ("Celluvarno"), S Orange, N. J.
Silver & Co., 304 Hewes (Cellu, White Metal), Brooklyn, N. Y.
Smith E. C. Mfg. Co., 900 W Jackson blvd, Chicago, Ill.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Timberlake J. B. & Sons (Board Seat, Wire Hanger), Jackson, Mich.
U. S. Sanitary Mfg. Co. ("20th Century"), Arott bldg, Pittsburgh, Pa.
Wolverine Brass Works, Grand Rapids, Mich.

## 13261—Seats (Buggy, Steel)

St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.

## 13262— Seats (Chair)

Adler Veneer Seat Co. (Veneer), Payntar av, Long Island City, N. Y.
American Fibre Chair Seat Corp., 540 Van Alst av, L. I. City, N. Y.
American Vulcanized Fibre Co. (Fibre), 504 Equitable bldg, Wilmington, Del.
Barber Leather Co. (Fibre), North Adams, Mass.
Blair Veneer Co. (Veneer, etc), "Douglas," "Crown," "Ulster"), North Troy, Vt.
Capital Seat & Novelty Co. ("Mia Heala" Fibre) 369 3rd av, New York
Chicago Decorated Leather Co. (Fibre, etc), 426 S Clinton, Chicago, Ill.
Continental Fibre Co. (Hard Fibre), Newark, Del. *See adv index at end of book*
Diamond State Fibre Co. (Hard Fibre), Bridgeport, Pa.
DELAWARE HARD FIBRE CO. (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Economy Seat Co., Inc. ("On In a Minute" Upholstered Seats), 3132 S Canal, Chicago, Ill.
Eggers F. Veneer Seating Co. (Veneer), Two Rivers, Wis.
Frost's Veneer Seating Co., (Ltd) (Veneer), Sheboygan, Wis.
Gary Theo. H. Co. ("Unicum"), 67 Irving pl, New York
Hale & Kilburn Co., 18th & Lehigh av, Phila., Pa.
Lubbers & Bell Mfg. Co. ("J. M." Upholstered, Steel Base), Clinton, Ia.
Marinna Spoke Co., Marinna, Ark.
Pick Richard Mfg. Co. (Fibre, etc), 224 N Wells, Chicago, Ill.
Spaulding J. & Sons Co. (Fibre), North Rochester, N. H.
*See adv index at end of book*
Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.
United Chair Seat & Novelty Co., (Fibre), 53 E 10th, New York
Wilmington Fibre Specialty Co., Wilmington, Del. *See adv index at end of book*

## 13263— Seats (Closet)

See also Plumbers' Woodwork
Albright Mfg. Co. ("Albright"), Rural Hall, N. C.
American Sanitary Works ("B. O. T."), Washington, N. J.
Becker Mfg. Co. ("Hercules"), Marietta, Ohio.
Berglas M. P. Mfg. Co., 10 Fulton, Brooklyn, N. Y.
B R E Mfg. Co. ("B R E Hygienic," "Senior-Junior Hygienic," "Self-Raising Hygienic," "Hygienic Spring"), Hyde Park, Mass.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Brunswick-Balke-Collender Co. ("Whale-Bone-Ite"), 629 S Wabash av, Chicago, Ill.
Cadillac Furniture Co., Smith bldg, Detroit, Mich.
Casey-Hedges Co., Chattanooga, Tenn.
Church C. F. Mfg. Co. ("White Pyralin," "Crescent," "Famous," "Climax," & "Eclipse,"), Holyoke, Mass.
Columbus Brass Co. ("Brasco"), 538 Dublin av, Columbus, O.
*See adv index at end of book*
Concord Woodworking Co., Concord, N. H.
Cowan Mfg. Co., Fulton bldg, Pittsburgh, Pa.
Coyne & Delany Co. ("C. & D."), 832 Kent av, Brooklyn, N. Y.
Detroit Plumbing Supply Co., 617 Mack av, Detroit, Mich.
Douglas John Co., Carthage, Cincinnati, O.
Edwardsville Brass Co., Edwardsville, Ill.
Eichman J. C. Mfg. Co. ("Hammerlock"), Bush & Wicomico, Baltimore, Md.
Emery Wm. S. ("Acme," "Primrose," "Non-Split"), 118 E 28th, New York
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Fibre Corporation, Lockport, N. Y.
Findeisen & Kropf Mfg. Co. ("Cello" White), 2559 W 21st, Chicago, Ill.
Galard Co. ("Omala"), 335 6th av, Newark N. J.
Globe Furniture Co. Ltd., Northville, Mich.
Grand Rapids Hand Screw Co. ("Bull Dog," "Globe"), Grand Rapids, Mich.
Haines, Jones & Cadbury Co. ("Relyo," "Fema," "Ivoroid"), 1136 Ridge av, Phila., Pa.
Heap, Wm. & Sons, Grand Haven, Mich.
James Mfg. Co. ("Jamaco"), Canton, O.
Jensen's Factory Store, Evansville, Ind.
Knott Mfg. Co., Tell City, Ind.
Leclaire Mfg. Co., Edwardsville, Ill.
Meyer-Sniffen Co. ("Climax"), 11 W 36th, New York
Miller Chas. A. Co., Sturgis, Mich.
Milwaukee Seat & Tank Co., Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Never Split Seat Co. ("Never Split"), Evansville, Ind.
Olmstead-Thomson Mfg. Co. ("Square Deal"), New Britain, Conn.
Osada Sheet Metal & Wood Works, 1422 S Front, Phila., Pa.
Greensboro, N. C.
Peerless Selling Co. ("Don't Worry"), Evansville, Ind.
Peirce W. E. & Co., Milford, N. H.
Perfect Tank & Seat Co., Syracuse, N. Y.
Pfau Mfg. Co., ("Pfau"), Mentor & Huston, Norwood, Cincinnati, O.
Phila. Sheet Metal & Wood Works, 108 Reed, Phila., Pa.
Plumbers' Woodwork Co. ("Badger"), Algoma, Wis.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Sanisteel Co. ("Sanisteel"), 1200 Niagara, Buffalo, N. Y.
Sanitary Specialties Co. ("Ivorid," "Porceloid"), 1836 E Clearfield, Phila., Pa.
Sanitary Ware Mfg. Co., Newark, N. J.
Sanitas Mfg. Co. ("Rollins" & Cover), 105 Washington, Boston, Mass.
Sherwood Brass Works ("Sherwood," Aluminum), 1167 E Jefferson, Detroit, Mich.
Shwab Bros. Co. ("Neverbreak" & Childs Comfort), 811 E 9th, New York
Sillcocks-Miller Co. ("Celluvarno"), S Orange, N. J.
Standard Sanitary Mfg. Co. ("Ivorite"), Bessemer bldg, Pittsburgh, Pa.
Standard Tank & Seat Co. ("Everlasting," "Ivory," Celluloid Covered), Camden, N. J.
Teahen James M. ("Vitio"), 43 Fort W, Detroit, Mich.
Thompson Mfg. Co., Holland, Mich.
Van Arnam Mfg. Co. ("Van-Ar-Co," "Samson"), Ft. Wayne, Ind.
Ventilating Closet Seat Co., Wausau, Wis.
Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

## 13264—Seats (Elevator, Folding)

Cook C. A. Co. ("Utility"), Cambridge, Mass.
Faul & Timmins, Buffalo, N. Y.

## 13265— Seats (Folding)

American Auto Top Mfg. Co. (Auxiliary), 1451 Wash blvd, Chicago, Ill.
Brunn & Co., 988 Ellicott, Buffalo, N. Y.
Bryan Novelty Mfg. Co. ("Bryan" Folding Counter), Bryan, O.
Chicago Coach & Carriage Co., 1223 S Michigan av, Chicago, Ill.
Cook C. A. Co. ("Utility" Store Folding), Cambridge, Mass.
Faul & Timmins (Store Folding), Buffalo, N. Y.
Fernald Mfg. Co. ("New I-D," "Buffington," "Peerless," Third Seat for Carriage, etc), North East, Pa.
Hill Mfg. Co. ("Hill" Auxiliary), 23 Fuller, Buffalo, N. Y.
Hodge & Graves Co. ("Luxury"), Amesbury, Mass.
Imperial Bit & Snap Co. (Steel Third Buggy Seat), Racine, Wis.
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
McKinnon Dash Co., Buffalo, N. Y.
Metal Stamping Co. ("Peerless"), 13th, Long Island City, N. Y.
Racine General Mfg. Co. (Jobbers), Racine, Wis.

## 13266— Seats (Motorman's)

Cook C. A. Co. ("Utility"), Cambridge, Mass.
Electric Service Supplies Co. ("Keystone" Adjustable & Collapsible), 17th & Cambria, Phila., Pa.
Hale & Kilburn Co., 18th & Lehigh av, Philadelphia, Pa.
Wood Chas. N. Co., 14 Federal, Boston, Mass.

## 13267— Seats (Pole)

Allen Iron & Steel Co., 3rd & Venango, Phila., Pa.
Bissell F. Co. ("Security"), Toledo, O.
Central Tile & Elec. Co. (Chairs), 310 N 11th, St. Louis, Mo.
Cook Frank B. Co. (Houses), 162 N Clinton, Chicago, Ill.
Fairmount Elec. Mfg. Co. (Chairs, Cars), 59th & Woodland, Phila., Pa.
Hall Frank B. (Houses), Newton Falls, O.
Hallett Iron Works ("Hallett" Safety), Harvey, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M. & Sons (Cable Pole), 2907 Carson, Pittsburgh, Pa.
Meckel Fred. L., 11 E 13th, Chicago, Ill.
Reliable Elec. Co., 411 S Sangamon, Chicago, Ill.

## 13268—Seats (Spindle, Carriage)

Newton W. H. & Son, Cortland, N. Y.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## 13269— Seats (Stoop)

**Leipzig A.** (Willow), 127 W 17th, New York

## Seats (Third)

See Seats, Folding

## 13270— Seats (Valve)

**Anderson Rubber Works, Anderson, Ind.**
**Boyd James & Bro.** (Rotary for Pumps), 25th & Wharton, Phila., Pa.
**Casenite Co.** (Acetylene Gas), 21 Warren, New York
**National Mfg. & Engineering Co.** (For Pump Valves), 1537 Race, Phila., Pa.
**Smeeth-Harwood Co.** (For Hot Blast Stoves, Tuyeres & Coolers), 2401 W 22d, Chicago, Ill.
**Trenton Brass & Machine Co.** (For Galvanized Iron Siphons), Trenton, N. J.

## 13271— Secohmeters

**Leeds & Northup Co.**, 4901 Stenton av, Phila., Pa.

## 13272—Sections (Honey Box)

Falconer W. T. Mfg. Co., Falconer, N. Y.
Kretchmer Mfg. Co., Council Bluffs, Ia.

## 13273— Seeders (Beet)

**American Seeding Machine Co.** ("Superior"), Springfield, O.
**Bateman Mfg. Co.** ("Iron Age"), Greloch, N. J.
**Caledonia Bean Harvester Works**, Caledonia, N. Y.
**Deere & Mansur Works** (Drills), Moline, Ill.
**Gale Mfg. Co.**, Albion, Mich.
**McWhorter Mfg. Co.**, Riverton, N. J.
**Moline Plow Co.** (Four Row), Moline, Ill.
**Parlin & Orendorff Co.** ("P. & O."), Canton, Ill.

## 13274— Seeders (End Gate)

**Bristol & Gale Co.** ("Paragon"), 158 Carroll av, Chicago, Ill.
**Foster & Williams Mfg. Co.**, Racine, Wis.
**Freeman Mfg. Co.**, Racine, Wis.
**Johnson & Field Mfg. Co.** ("Racine"), Racine, Wis.
**Luthy & Co.**, Peoria, Ill.
**Meadows Mfg. Co.**, Pontiac, Ill.
**Monitor Drill Co.**, St. Louis Park, Minn.
**Peoria Drill & Seeder Co.** ("Gledale Agitator," "Peoria Agitator"), Peoria, Ill.
**Racine Implement Co.**, Racine, Wis.
**Sester Mfg. Co.**, Peoria, Ill.

## 13275— Seeders (Garden)

**Allen S. L. & Co.** ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
**American Fork & Hoe Co.**, Swetland bldg, Cleveland, Ohio
**Bateman Mfg. Co.**, Grenloch, N. J.
**Blocki F. Co.**, Sheboygan, Wis.
**McWhorter Mfg. Co.**, Riverton, N. J.

## 13276— Seeders (Grass)

**Crown Mfg. Co.** (Wheelbarrow), Phelps, N. Y.
**Cyclone Seeder Co.**, Urbana, Ind.
**Eureka Mower Co., 16 Hickory, Utica,** N. Y.
**Fetzer & Co.** ("Fetzer," "McSherry"), Springfield, Ill.
**Rittenhouse J. F.** ("Rittenhouse", also Tin Horn Seeders), Liberty Mills, Ind.
**Seeder Mfg. Co.**, Homer, Mich.
**Star Seeder Co.**, Shortsville, N. Y.
**Thompson O. E. & Sons** (Hand), Ypsilanti, Mich.

## 13277— Seeders (Raisin)

**Enterprise Mfg. Co. of Pa.**, 3rd & Dauphin, Philadelphia, Pa.
**Goodell Co.**, Antrim, N. H.
**Hamblin & Russell Mfg. Co.**, Worcester, Mass.
**Landers, Frary & Clark** ("Crown"), New Britain, Conn.

## 13278— Seeders & Sowers

Seeders; also Sowers

**Abbott S. B.** (Hand Seeders), Goshen, Ind.
**Allen S. L. & Co.** ("Planet, Jr."), Bean, Pea, etc.), 15th & Glenwood, Phila., Pa.
**American Seeding Machine Co.** (Broadcast), Springfield, O.
**Beaver Dam Mfg. Co.** ("Ideal"), Beaver Dam, Wis.
**Belcher & Taylor Agri. Tool Co.** (Fertilizer "Stevens"), Chicopee Falls, Mass.
**Blocki F. Co.** (Broadcast Seeders), Sheboygan, Wis.
**Cyclone Seeder Co.** ("Cyclone," "Chicago" & Sower), Urbana, Ind
**Deere & Mansur Works** (Alfalfa), Moline, Ill.
**Dowagiac Drill Co.** (Seeders), Dowagiac, Mich.
**Emerson-Brantingham Co.**, Rockford, Ill.
**Eureka Mower Co.**, 16 Hickory, Utica, N. Y.
**Fetzer & Co.** ("Fetzer," "McSherry"), Springfield, Ill.
**Foster & Williams Mfg. Co.**, Racine, Wis.
**Gale Mfg. Co.** (Broadcast), Albion, Mich.
**Goodell Co.** (Hand), Antrim, N. H.
**Hench & Dromgold Co.** (Inc.), York, Pa.
**Herschel R. Mfg. Co.** (Hill & Drill), Peoria, Ill.
**International Harvester Company of America** (Inc.) (Empire, Hoosier, Kentucky), (Broadcast Seeders & Fertilizer Sowers), Harvester bldg, Chicago, Ill.
**Janesville Machine Co.**, Janesville, Wis.
**Johnson & Field Mfg. Co.** (Scandinavian Broadcast), Racine, Wis.
**King Drill Mfg. Co.**, Nebraska City, Neb.
**La Crosse Plow Co.** (Also Grass Seeder Attachments), La Crosse, Wis.
**Luthy & Co.** (Also Grass Seeder Attachments), Peoria, Ill.
**Massey-Harris Harvester Co.** (Disc Seeder), Batavia, N. Y.
**Moline Plow Co.** ("Monitor," "Economy," "Flying Dutchman," "Moline Giant"), Moline, Ill.
**Owatonna Mfg. Co.**, Owatonna, Minn.
**Peoria Drill & Seeder Co.** ("Columbia," "Cyclone," "Union, Jr."), Peoria, Ill.
**Rittenhouse J. F.** (Grain Seeders), Liberty Mills, Ind.
**Seeder Mfg. Co.** (Wheelbarrow & Horn), Homer, Mich.
**Star Seeder Co.**, Shortsville, N. Y.
**Sterling Mfg. Co.** ("Sterling"), Sterling, Ill.
**Van Brunt Mfg. Co.** (Broad Cast), Horicon, Wis.
**Wayne Works**, Richmond, Ind.

## Segments (Commutator)

See Bars, Commutator

## 13279—Segments (Controller)

**Eureka Co.**, North East, Pa.

## 13279a— *Selacap

**Giant Powder Co., Cons.**, San Francisco, Cal. *See adv index at end of book*

## 13280—Selective Calling Systems (Telephone)

**General Railway Signal Co.** (For Train Dispatching), Rochester, N. Y.
**National Scale Co.** ("National"), 11 Hendricks, Chicopee Falls, Mas.

## 13281— Selenium

**American Smelting & Ref. Co.**, 120 B'way, New York
**Drakenfeld B. F. & Co.**, 50 Murray, New York
**Harshaw, Fuller & Goodwin Co.**, Elec. bldg, Cleveland, O.
**Roessler & Hasslacher Chemical Co.**, 709 6th av, New York

## Self-Closing Work

See Cocks & Bibbs, Self-Closing

## 13282—Self-Feeders & Band Cutters for Threshers

**Advance-Rumely Thresher Co., Inc.** ("Rumely Ruth"), Laporte, Ind.
**Avery Co.** ("Avery," "Bartholomew") Peoria, Ill.
**Buffalo Pitts Co.**, Buffalo, N. Y.
**Case J. I. Threshing Machine Co.**, Racine, Wis.
**Emerson-Brantingham Co.** ("Geiser Peerless"), Rockford, Ill.
**Farquhar A. B. Co. (Ltd.)**, York, Pa.
**Frick Co.**, Waynesboro, Pa.
**Garden City Feeder Co.**, Pella, Ia.
**Hart Grain Weigher Co.** ("Langdon Ideal," "Hart New Model," "Langdon Junior"), Peoria, Ill.
**Holt Mfg. Co.** ("Chain), Stockton, Cal.
**Huber Mfg. Co.** ("New Huber"), Marion, O.
**Jackson-Byron Iron Works** (Self Feeder), Berkley, Cal.
**Maytag Co.** ("Parsons," "Ruth," "Hawkeye"), Newton, Ia.
**Minneapolis Threshing Machine Co.**, Hopkins, Minneapolis, Minn.
**Nichols & Shepard Co.** ("Nicholas & Shepard," "Universal"), Battle Creek, Mich.
**Port Huron Engine & Thresher Co.**, Port Huron, Mich.
**Russell & Co.** ("Boss"), Massillon, O.
**Sandwich Mfg. Co.**, Sandwich, Ill.
**Westinghouse Co.**, Schenectady, N. Y.
**Wood Bros. Thresher Co.**, Des Moines, Ia.

## 13283— *Self-Starters

**CUTLER-HAMMER MFG. CO.** (Alternating and Direct Current), 12th & St. Paul av, Milwaukee, Wis.
***See adv index at end of book***

## Self-Starters (Automobile)

See Engine Starters, Automobile

## 13284— Separators (Air)

**GRISCOM-RUSSELL CO.** "Stratton," Removes Moisture from Compressed Air), 92 West, New York
*See adv index at end of book*
**Sturtevant Mill Co.** (Vibrating), Clayton & Park, Dorchester, Boston, Mass

## 13285-6-7—Separators (Ammonia)

**Crane Co.** (Est. 1855), ("Crane" Ammonia Oil), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
**Ruemmeli-Dawley Mfg. Co.**, 3900 Chouteau av, St. Louis, Mo.
**Steam Appliance Co.** ("Victor"), Milwaukee, Wis.

## 13288— Separators (Barley)

**Barnard & Leas Mfg. Co.** (Also Malt), Moline, Ill.
**Howes S. Co.**, Silver Creek, N. Y.
**Huntley Mfg. Co.** ("Monitor" for Brewers & Maltsters), Silver Creek, N. Y.
**Invincible Grain Cleaner Co.**, Silver Creek, N. Y.
**Nordyke & Marmon Co.**, Kentucky av & Morris, Indianapolis, Ind.

## 13288a—Separators (Battery)

**Estes E. B. & Sons**, 364 5th av, New York
***See adv index at end of book***

## 13289— Separators (Bean)

**Avery B. F. & Sons**, Louisville, Ky.
**Invincible Grain Cleaner Co.**, Silver Creek, N. Y.
**Owens, J. L. Co.**, Fulton & S. E. Huron, Minneapolis, Minn.

## 13290— Separators (Bow)

See Also Sockets, Bow

**Auto Specialties Mfg. Co.**, ("Bair"), Joliet, Ill.
**Cowles C. & Co.**, New Haven, Conn.
**Detroit Socket Co.** ("Desoco"), 834 W Jefferson, Detroit, Mich.
**Eberhard Mfg. Co., C. & P. Ry. & Tennyson rd**, Cleveland, O.
**Essex Brass Foundry Co.**, Cambridge, Mass.
**Iroquois Auto Top Co.** ("Stick-Tite"), Utica, N. Y.
**Jonah & George**, Merrimac, Mass.
**Keeler Brass Co.**, Grand Rapids, Mich.
**Novelty Mfg. Co.**, Waterbury, Conn.
**Scherer H. & Co.**, 280 E Jefferson av, Detroit, Mich.
**Smith Jos. N. & Co.**, 2461 E Grand blvd, Detroit, Mich.

Springfield Auto Top & Upholstering Co ("Never-Rub"), Springfield, Mass.
Unique Findings & Supply Co., 36 Garnet, Providence, R. I.
Weiss Chas. & Son ("American"), 4715 Cottage Grove av, Chicago, Ill.
Western Brass Mfg. Works, Marshal blvd & W 21st, Chicago, Ill.
Wiener-Barnet Co., 228 Adams, Newark, N. J.
Woodruff Walter W. & Sons Co., Mt. Carmel, Conn.

## 13291—Separators (Cement, Plaster, Etc.)

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

## 13292—Separators (Centrifugal)

American Tool & Machine Co. ("Roper" for Separating Oil from Bolts, Nuts & Small Pieces, Metal Chips & Turnings, Belt or Motor Driven), 10 High, Boston, Mass.
Curtis Albert B. (For Separating Oil from Steel Chips, etc), Worcester, Mass.
De Laval Steam Turbine Co., E. Trenton, N. J. *See adv index at end of boo*
OIL & WASTE SAVING MACHINE CO., Real Estate Trust bldg, Phila., Pa.
*See adv index at end of book*
Sharples Specialty Co. ("Super Centrifuge" for Wool Fat, Oils & Water Gas Tar), West Chester, Pa.

## 13293— Separators (Coal)

Anthracite Separator Co. ("Spiral," Automatic in Action), Hazleton, Pa.
Dings Magnetic Separator Co., 672 Smith, Milwaukee, Wis.

## 13294—Separators (Cotton Seed)

American Machine & Mfg. Co., Atlanta, Ga.
Bauer Bros. Co., Bauer bldg, Springfield, Ohio
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Diamond Huller Co., Winona, Minn.
Empire Duplex Gin Co., 346 Broadway, New York
Murray Co., Dallas, Texas
New Winona Mfg. Co., Winona, Minn.
Sprout, Waldron & Co., Muncy, Pa.

## 13295—Separators (Cracked Corn)

Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Sprout, Waldron & Co., Muncy, Pa.
Wolf Co., Chambersburg, Pa.

## 13296— Separators (Cream)

ALBAUGH DOVER CO., 2100 Marshall bldg, Chicago, Ill.
*See adv index at end of book*
American Separator Co. (Centrifugal) Bainbridge, N. Y.
Anker-Holth Mfg. Co., Port Huron, Mich.
Associated Mfrs. Co., Waterloo, Ia.
Blanke Mfg. & Supply Co. ("Standard," "Champion"), 3d & Wash. av, St Louis, Mo.
Buckeye Cream Separator Co., Oberlin, O
Burrell D. H. Co. ("Simplex," Centrifugal, Hand & Power), Little Falls, N. Y.
Champion Blower & Forge Co. ("Champion), Lancaster, Pa.
Chapman C. L. Cream Separator Works, Erie, Pa.
Cleveland Cream Separator Co. (Centrifugal), 6613 Hough, Cleveland, O.
Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
Dairy Cream Separator Co. ("Dairy Queen"), Lebanon, Ind.
Davis J. H. Sparta, Wis.
Davis-Watkins Dairymen's Mfg. Co. ("Davis" Centrifugal), North Chicago, Ill.
De Laval Dairy Supply Co., 61 Beale, San Francisco, Cal.
De Laval Separator Co. (Centrifugal), 165 B'way, New York
Deshler Mail Box Co. ("Success" Gravity), Deshler, O.
Diller Mfg. Co., Bluffton, O.
Empire Cream Separator Co. ("Empire"), Bloomfield, N. J.
Fisk E. W., Newark, N. Y.
Galloway Wm. Co., Waterloo, Ia.
International Harvester Company of America (Inc.), (Primrose; 4 sizes), Harvester bldg, Chicago, Ill.
King Drill Mfg. Co., Nebraska City, Neb.
Lawrence-Bostwick Mfg. Co. (Ltd.), Phelps, N. Y.
Lisk Mfg. Co. (Ltd.), ("Lisk" Anti Rust X X Charcoal Plate), Canandaigua, N. Y.
Lisle Mfg. Co. ("Monarch" Hand), Clarinda, Ia.
Milwaukee Separator Mfg. Co., ("Milwaukee"), 1029 Cold Spring, Milwaukee, Wis.
Murphy A. F. Die & Machine Co., 364 Atlantic av, Boston, Mass.
National Dairy Machine Co. ("National" Centrifugal, etc), Goshen, Ind.
National Enameling & Stamping Co. ("National"), 411 5th av, New York
Papec Machine Co., Shortsville, N. Y.
Reid A. H., Creamery & Dairy Supply Co. ("Reid" & Disc Bracket Hand), 69th & Haverford, Phila., Pa.
Reliance Engineering Co. ("Omega" Centrifugal), Lansing, Mich.
Renfrew Machinery Co., Ltd., 445 Milwaukee, Milwaukee, Wis.
Rock Island Plow Co. ("Great Western"), Rock Island, Ill.
Seither & Cherry Co. ("Banner" Stationary), Keokuk, Ia.
Sharples Separator Co. (Tubular), West Chester, Pa.
Standard Separator Co. ("Automatic"), 45th & Burnham, Milwaukee, Wis.
Starch Bros. Co., La Crosse, Wis.
Stevenson Mfg. Co. (Wood), South Bend, Ind. *See adv index at end of book*
Superior Sheet Metal Works Co. ("Superior"), 3201 Roosevelt av, Indianapolis, Ind.
Swedish Separator Co., 515 S 5th av, Chicago, Ill.
United Engine Co. ("Diabolo"), Lansing, Mich.
Vega Separator Co., Fostoria, O.
Vermont Farm Machine Co. ("United States"), Bellows Falls, Vt.
Waterloo Gasoline Engine Co. ("Waterloo Boy"), Waterloo, Ia.
Wayte W. J. (Imp.), 1 Liberty, New York
Weber Kirch Mfg. Co., Keokuk, Ia.
Williams J. H. & Co. (Forgings), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*
Worthington Pump & Machy. Corp. (Oil Engine Driven), 115 B'way, New York
*See adv index at end of book*

## Separators (Cream Centrifugal)

See Separators, Cream, with the word Centrifugal following their name

## 13297— Separators (Dust)

Banister A. W. Co., 421 Dorchester av, South, Boston, Mass.
Buffalo Forge Co., Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Ladel Mfg. Co. ("Ladel" Sawdust), New Philadelphia, O.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Wolf Co., Chambersburg, Pa.

## 13298— Separators (Egg)

Aluminum Specialty Co., Manitowoc, Wis.
Kohler Die & Specialty Co., De Kalb, Ill.

## 13298a—*Separators (Electro-Magnetic)

DINGS MAGNETIC SEPARATOR CO., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

## 13299—Separators (Electro-Static)

Sutton Steel & Steel ("S. S. & S." Dielectric, for Minerals), Dallas, Texas

## Separators (Flax)

See Flax Seed Cleaning Machines

## 13300— Separators (Garlic)

Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.

## 13301—Separators (Gas & Oil)

National Supply Co., Union Bank bldg, Pittsburgh, Pa.
Rollins Supply Co. (Oil, also Detectors), 17 W Kinzie, Chicago, Ill.

## 13302— Separators (Grain)

American Grain Separator Co., Erie & S. E. Essex, Minneapolis, Minn.
American Machinery Co., 103 W. Water, Milwaukee, Wis.
Aultman & Taylor Machinery Co. ("New Century"), Mansfield, O.
Avery Co., Peoria, Ill.
Barnard & Leas Mfg. Co. ("Barnard's" Perfected Elevator, etc), Moline, Ill.
Closz Charles Co. (Threshing Screens), Webster City, Ia.
Conner J. W. & Son ("Overshot," Separator & Cleaner), Orangeville, Pa.
DINGS MAGNETIC SEPARATOR CO., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*
Emerson-Brantingham Co. ("New Peerless," "Reeves"), Rockford, Ill.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fosston-Carpenter Co. ("Fosston" Cleaner & Separator), St. Paul, Minn.
Hoosier Mfg. Co., New Castle, Ind.
Howes S. Co., Silver Creek, N. Y.
Huntley Mfg. Co. ("Cranson" & "Monitor," Scouring, Polishing & Separating, etc), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Johnson & Field Mfg. Co. ("Racine" Dustless), Racine, Wis.
Merkel A. P., Fleetwood, Pa.
Nordyke & Marmon Co., 1290 Kentucky av, Indianapolis, Ind.
Owens J. L. Co. (Also Flax), Fulton & S E Huron, Minneapolis, Minn.
Prairie Queen Mfg. Co., Newton, Kan.
Prinz & Rau Mfg. Co. ("Prinz" Automatic), 659 E Water, Milwaukee, Wis.
Reeves Pulley Co. (Compound), Columbus, Ind.
Richmond Mfg. Co. ("Niagara" Compound Shake Double Receiving, etc), Lockport, N. Y.
Rumely Leo Tractor Co. ("Rumely Ideal," "Advance," "Gear Scott"), La Porte, Ind.
Sprout Waldron & Co., Muncy, Pa.
Swayne, Robinson & Co., Richmond, Ind.
Wolf Co., Chambersburg, Pa.

## 13303— Separators (Hop)

Aue Ferdinand Co. ("Muller"), 401 E 91st, New York

## 13304—Separators (Inclined, Vibrating)

Tyler W. S. Co., Cleveland, Ohio
*See adv index at end of book*

## Separators (Iron & Brass)

See Separators, Magnetic

## 13305—Separators (Magnetic)

American Grondah Co., 120 B'way, New York
Barnard & Leas Mfg. Co., Moline, Ill.
Barnett Oscar Foundry Co., Irvington, N. J.
Birdsboro Steel Foundry & Machine Co. ("Buchanan"), Birdsboro, Pa.
Buchanan C. G. Co. ("Buchanan" for Brass, Iron Ore, etc), 90 West, New York
Capitol Brass Works ("Noble's" Electro), 596 Franklin, Detroit, Mich.
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Dienelt & Eisenhardt, 1304 N Howard, Phila., Pa.
DINGS MAGNETIC SEPARATOR CO. ("Dings" Electric), 672 Smith, Milwaukee, Wis.
*See adv index at end of book*
Dixie Electro Magnet Co., Memphis, Tenn.
Howes S. Co., Silver Creek, N. Y.

SEPARATORS (MAGNETIC)—continued

Huntley Mfg. Co. ("Monitor" Separators & Fields), Silver Creek, N. Y.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
McCormick J. S. Co., 25th & A. V. R. R., Pittsburgh, Pa.
Magnetic Mfg. Co. (Alternating & Direct Current), 864 Windlake av, Milwaukee, Wis. *See adv index at end of boo*

**MAGNETIC SEPARATORS**
ALTERNATING AND DIRECT CURRENT
**MAGNETIC MFG. CO.**
864 WINDLAKE AVENUE
MILWAUKEE, WISC.

Magnetic Separator Co. (For Magnetic Ores), Troy, N. Y.
Oakes Roland T. Co., Holyoke, Mass.
Richmond Mfg. Co. ("Niagara," "Automatic," for Removing Metal from Grain), Lockport, N. Y.
Sprout, Waldron & Co. (Automatic), Muncy, Pa.
Stearns-Roger Mfg. Co., Denver, Col.
Sutton, Steel & Steel ("S. S. & S." for Separating Magnetic from Non-Magnetic Material), Dallas, Tex.
United Iron Works, Inc. ("Cleveland-Knowles," for Separating Iron Pyrites from Lead & Zinc Ores), Kansas City, Mo.
Wolf Co., Chambersburg, Pa.

### 13305a—*Separators (Magnetic, Wet)

**DINGS MAGNETIC SEPARATOR CO.**, 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

### 13305b—*Separators (Mineral Magnetic)

Dings Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*

### 13305c— *Separators (Oil)

See also Separators, Steam & Oil; also Separators, Centrifugal
Dunham C. A. Co., 343 S Dearborn, Chicago, Ill.
Griscom-Russell Co., 92 West, New York
*See adv index at end of book*
Oil & Waste Saving Machine Co., Real Estate Trust bldg, Phila., Pa.
*See adv index at end of book*

**Oil & Waste Saving Machine Co.**
PHILADELPHIA, PA.
Oil Reclaiming Machines
Waste Reclaiming Machines
Chip Separators, Oil Filters

**BUNDY OIL SEPARATOR**

For separating oil from exhaust steam. Multiple baffle plates insure high efficiency. These plates can be removed and cleaned, assuring maintenance of original efficiency.

THE
**GRISCOM-RUSSELL CO.**
92 West Street New York

### 13305d—*Separators (Oil, from Steel Chips)

See also Separators Centrifugal; also Extractors, Oil & Grease
**OIL & WSATE SAVING MACHINE CO.**, Real Estate Trust bldg, Phila., Pa.
*See adv index at end of book*

### 13306— Separators (Ore)

**DINGS MAGNETIC SEPARATOR CO.**, 672 Smith, Milwaukee, Wis.
*See adv index at end of book*
Huff Electrostatic Separator Co. ("Huff" Electro Static), 60 India, Boston, Mass.
Magnetic Mfg. Co. (Magnetic), 864 Windlake av, Milwaukee, Wis.
*See adv index at end of book*
Zinc Concentrating Co., 60 Congress, Boston, Mass.

### 13307— Separators (Pea)

Invincible Grain Cleaner Co., Silver Creek, N. Y.
Sprague Canning Machinery Co. ("Scotts" Rotary Interchangeable), 222 N Wabash av, Chicago, Ill.

### 13308— Separators (Peanut)

Cardwell Machine Co. ("Smith"), 1900 E Cary, Richmond, Va.

### 13309—Separators (Pneumatic)

Bauer Bros. Co., Bauer bldg, Springfield, Ohio.

### 13309a—Separators (Receiver)

Harrison Safety Boiler Wks., 3147 N 17th, Phila., Pa.

### 13310—Separators (Reclaimed Rubber)

Dings Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
*See adv index at end of book*
Vaughn Machinery Co., (Washing Tubs & Water Separators), Cuyahoga Falls, O.
*See adv index at end of book*

### 13311— Separators (Rice)

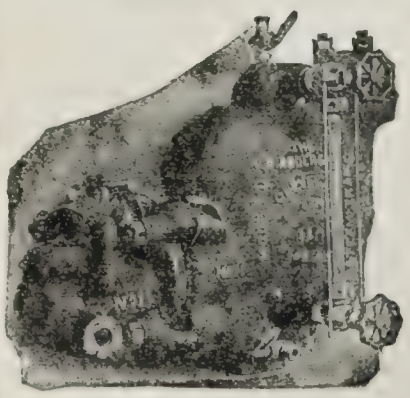
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Rumely Leo Tractor Co. ("Advance," "Gear Scott," "Tiger," "Rumely Ideal"), La Porte, Ind.
Sprout, Waldron & Co., Muncy, Pa.

### 13312—Separators (Small Seed)

Nichols & Shepard Co., Battle Creek, Mich.

### 13313—Separators (Steam & Oil)

See also Extractors, Oil & Grease
Acton John ("Nelson"), 118 John, Brooklyn, N. Y.
Allentown Experimental Work (Steam), Union & W 3rd, Allentown, Pa.
Ambrose Machine Co. ("De Rycke"), 254 Eagle, Brooklyn, N. Y.
American District Steam Co. (Oil & Water), North Tonawanda, N. Y.
American Laundry Machinery Co., Cincinnati, O.
**ANDERSON V. D. CO.** ("Anderson"), W New York 96th, Cleveland, O.
*See adv index at end of book*
Atwood & Morrill ("XX Century"), 48 Loring av, Salem, Mass.
Buffalo Foundry & Machine Co. (Steam), Buffalo, N. Y. *See adv index at end of book*
Central Station Steam Co., 710 Woodbridge Detroit, Mich.
Consolidated Engineering Co. ("Van Auken"), 507 W Jackson blvd, Chicago, Ill.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
**d'ESTE JULIAN CO.** ("Curtis"), 26 Canal, Boston, Mass.
*See adv index at end of book*
Direct Separator Co. ("Sweet"), Syracuse, N. Y.
Edward Valve & Mfg. Co. ("Edward" Heavy Forged Steel), Edison bldg, Chicago, Ill.
Elliott B. K. Co. (Horizontal & Vertical), 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Gardner Governor Co. ("Gardner"), 23 Williamson, Quincy, Ill.
*See adv index at end of book*
Garrett W. D. & Co. ("Garrett," Exhaust Muffler Oil Separator), 126 Liberty, New York
General Condenser Co., Thompson & 12th, Philadelphia, Pa.
**GRISCOM-RUSSELL CO.** ("Stratton" & Live Steam, "Bundy" Exhaust Steam & Oil), 92 West, New York
*See adv index at end of book*
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Harrison Safety Boiler Works ("The Cochrane"), 3147 N 17th, Phila., Pa.
Hewes & Phillips Iron Works ("Naylor" Vortex Steam), 8 Orange, Newark, N. J.
Hodgart & Co., 122 S Michigan av, Chicago, Ill.
Hoppes Mfg. Co., Springfield, O.
Hussey-McCann & Co. ("Peerless"), 87 Warren, New York
Illinois Engineering Co. ("Eclipse"), W 21st & S Racine avs, Chicago, Ill.
Jacobs Chas. & Co. ("Lowden"), 258 Franklin, Boston, Mass.


Steam Trap

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Steam Separator

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Manufacturers of magnetic pulleys, magnetic separators, etc.

Magnetic Pulleys for use where coarse material is handled, where the iron to be extracted is limited in quantity and where large capacity is important.

This equipment is used extensively to protect crushing and grinding machinery from breakage and damage due to "tramp" iron found in various kinds of material. It is also used for removing iron from material for other reasons, both mechanical and chemical.

Over 2500 satisfied customers.

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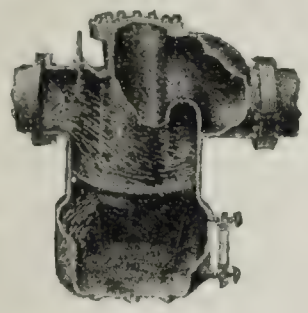
**STRATTON JR. OIL SEPARATOR**

**Removes Oil from Exhaust Steam**



**THE GRISCOM-RUSSELL CO.**
92 West Street New York


**KELLOGG M. W. CO.**, 90 West, New York
*See adv index at end of book*
Kieley & Mueller, 34 W 13th, New York
Koven L. O. & Bro. (Steam), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
**KUTZTOWN FOUNDRY & MACHINE CO.**, (Compound for Steam Boilers), 1421 Chestnut, Philadelphia, Pa.
*See adv index at end of book*
Linton Machine Co., 26 Cortlandt, New York
McAlear Mfg. Co., 1901 S Western, Chicago, Ill.
Mitchell W. K. & Co. (Steam), 2940 Ellsworth, Phila., Pa.
Monash-Younker Co. ("Monash" Steam Only), 1407 W Jackson blvd, Chicago, Ill.
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
National Pipe Bending Co. ("National"), New Haven, Conn.
Newhall Geo. M. Engineering Co. ("Baum"), Commercial Trust bldg, Philadelphia, Pa.
Nicholson W. H. & Co. ("Wyoming" Steam "Nicholson" Steam Expansion), Wilkes-Barre, Pa.
Ohio Body & Blower Co. ("Swartwout" Vertical), 9300 Detroit av, Cleveland, Ohio
**OIL & WASTE SAVING MACHINE CO.** (Oil), Real Estate Trust bldg, Phila., Pa. *See adv index at end of book*
Pangborn Corp. (Moisture & Oil From Compressed Air), Hagerstown, Md.
Patterson-Kelley Co. ("Patterson" Oil), 26 Cortlandt, New York
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Plant Engineering & Equipment Co., Inc., 11 John, New York
Power Plant Specialty Co. ("Vater," Two Stage Steam, etc), Monadnock blk, Chicago, Ill.
Providence Steam Trap Co. ("Newton"), 16 Diamond, Providence, R. I.
Provost Engineering Corp., 216-224 B'way, New York
Robertson Jas. L. & Son ("Hine's" Eliminator), 78 Murray, New York
Ruemmeli-Dawley Mfg. Co., (Steam Only), 3900 Chouteau av, St. Louis, Mo.
Sharkey & Peck, 2433 W 18th, Chicago, Ill.
Simonds Heating & Specialty Co. ("Simonds" Steam Receiver & Separator, overcomes all Steam Pipe Vibration), Grand Rapids, Mich.
Standard Steam Specialty Co. ("Utility"), 542 W B'way, New York
Steam Appliance Co. ("Triumph," "Victor"), Milwaukee, Wis.
Stewart Heater Co. (Separator & Purifier Combined), N Tonawanda, N. Y.
Strong, Carlisle & Hammond Co. ("Strong"), 336-344 Frankfort av N W, Cleveland, O.
**UNITED MACHINE & MFG. CO.** (The "Mosher" Separator for separating water, oil, or other foreign substance from live steam, exhaust, steam, compressed air ammonia and other gases. Supplied in any required sizes with flanges unless otherwise specified, conforming to A. S. M. E. Extra heavy standard schedule. Special flanges and fittings furnished for ammonia separators), Canton, O.
Vance-Vetter Co., Phillips Power bldg. Pittsburgh, Pa.
Watson & McDaniel Co. ("W. & McD." and "Jennings" Horizontal & Vertical Steam), 146 N 7th, Phila., Pa.
Webster, Warren & Co. ("The Webster"), Camden, N. J.
Wheeler Condenser & Engineering Co. ("Baker" Oil), Carteret, N. J.
*See adv index at end of book*
Williams D. T. Valve Co. ("Cookson" Automatic), Cincinnati, O.
Wright-Austin Co. ("Austin," "Wright"), 97 Woodbridge, W Detroit, Mich.

### 13313a—*Separators (Steam, Oil & Air)

**GRISCOM-RUSSELL CO.**, 92 West, New York. *See adv index at end of book*


**STRATTON STEAM SEPARATOR**

A *real* steam separator. Positive separation by centrifugal force. Simple in construction; no loose parts. Large receiver capacity.

**THE GRISCOM-RUSSELL CO.**
92 West Street New York


### 13314-5— Separators (Stone)

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
Brewer H. & Co., Tecumseh, Mich.
Great Western Mfg. Co. (For Separating Stone & Gravel from Wheat), Leavenworth, Kan.
Wallace Mfg. Co., Frankfort, Ind.

### Separators (Waste Oil)

See Separators, Centrifugal

### 13316—Separators (Water, for Reclaimed Rubber)

American Process Co., 68 William, New York
Vaughn Machinery Co., Cuyahoga Falls, O.
*See adv index at end of book*

### 13317— Separators (Wheat)

Beall Improvement Co., Decatur, Ill.
Blymyer Iron Works Co., Cincinnati, O.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Union Iron Works, Decatur, Ill.
Wolf Co., Chambersburg, Pa.

### 13317a— Separators (Whey)

Sharples Separator Co., West Chester, Pa.

### 13318—Separators (Wild Oat)

Ghent Mfg. Co., Ghent, Minn.
Invincible Grain Cleaner Co., Silver Creek, N. Y.
Klauer Mfg. Co., Dubuque, Ia.

### Separators (Wool Fat)

See Separators, Centrifugal

### Septic Tanks

See Tanks (Septic)

### 13319— Sets (Desk)

Art Metal Wks., 7 Mulberry, Newark, N. J.
Brass Specialty Co., 1645 No. 10th, Philadelphia, Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Soart Bros. Co. (Sterling Silver Mounted Only), Attleboro, Mass.
Yale Novelty Co. (French Ivory), Leominster, Mass.

### 13320— Sets (Lock)

Sargent & Co., New Haven, Conn.
Taylor & Boggis Foundry Co. (Bathroom), Cleveland, O.

### Sets (Manicure)

See Manicure Sets

### 13321— Sets (Military)

Bass E. & J., Inc., 610 B'way, New York
Yale Novelty Co. (French Ivory), Leominster, Mass.

## Sets (Nail, Rivet, Saw, Etc.)

These Specialties are Classfied Under Their Descriptive Kinds

## 13322— Sets (Poker)

**Bubeck & Guerin, 161 W 18th, New York**
**Harris G. H. Co., 61 Clymer, Brooklyn, New York**
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

## 13323— *Sets (Sheep)

**STILES H. A. & CO.,** 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Settees, Chairs, Etc. (Veneered)

See Seating, Veneer

## 13324— Settees (Gliding)

Goshen Mfg. Co. ("Boyers"), Goshen, Ind.

## 13325—Settees (Perforated Slat)

Beckley Perforating Co. (Iron Frame), Garwood, N. J.

## 13326— Settees (Railroad)

See also Seating, Veneer

Ahnapee Veneer & Seating Co., Algoma, Wis.
American Seating Co., 14 E Jackson blvd, Chicago, Ill
Frost's Veneer Seating Co., (Ltd.), Sheboygan, Wis.

## Settees (Rustic)

See Rustic Woodwork

## 13327—Settees & Chairs (Iron)

See also Fountains, Vases, etc

Badger Wire & Iron Works, 25th av & Cleveand, Milwaukee, Wis.
Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
**Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.**
Bayley Wm. Co., Springfield, O.
Belmont Iron Works, 22d & Washington, Phila., Pa.
Casey-Hedges Co. (Cast Iron Settees), Chattanooga, Tenn.
Cincinnati Iron Fence Co. (Settees only, Also Wire), 3300 Spring Grove av, Cincinnati, O.
Fiske J. W. Works, 111 Park pl, New York
Ginther's J. Sons Co., Buffalo, N. Y.
Grafton Foundry Co., Grafton, Wis.
Hennecke C. Co., 1353 N Pierce, Milwaukee, Wis.
**Jones M. D. Co., 72 Portland, Boston, Mass.**
Jones Willis H., Utica, N. Y.
**Kramer Brothers Foundry Co. ("Capital") Dayton, O.**
Lindenschmidt Co., Evansville, Ind.
Ludlow-Saylor Wire Co., Newstead av cor Wabash R R. St. Louis, Mo.
**McDonald Foundry (Cast Iron), Columbus, O.**
McLean Jno., 440 Water, New York
**Mack Iron & Wire Works Co., Sandusky, O.**
**Meyers Fred. J. Mfg. Co., Hamilton, O.**
*See adv index at end of book*
Mott J. L. Iron Works, Trenton, N. J.
**Pettler Steel Mat & Mfg. Co., Beaver Falls, Pa.**
**Plocher Andrew Sons Co., Dayton, O.**
**Roanoke Iron & Bridge Works, Inc., Roanoke, Va.**
**Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.**
*See adv index at end of book*
**Smyser, Royer Co., York, Pa.**
**Swett A. L. Iron Works, Medina, N. Y.**
Toy W. M. & Co., 10 E Shelby, Sidney, O.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Verdeckberg Iron Wire Works Co. (Lawn Settees), Denver, Colo.
Wisconsin Iron & Wire Works, Milwaukee, Wis.

## 13328—Settees & Chairs (Lawn)

Adams Company (Wood Frame & Iron Leg Settees), Dubuque, Ia.
**Badger Wire & Iron Works (Iron), 25th av & Cleveland, Milwaukee, Wis.**
Barnum E. T. Wire & Iron Works, **864 Woodward, Detroit, Mich.**
**Belcher & Taylor Agri. Tool Co., Chicopee Falls, Mass.**
Bernstein Mfg. Co., 3rd & Allegheny, **Phila., Pa.**
Buffalo Wire Works Co., (Wire Settees) 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
**Carriage & Toy Co. (Wood), 741 W Lombard, Baltimore, Md.**
**Challenge Co. (Steel & Wood), Batavia, Ill.**
**Combination Ladder Co., 366 Fountain, Providence, R. I.**
Donaldson Bros., Mount Clemens, Mich.
Duisdieker Foundry & Mfg. Co., (Cast Iron), Pekin, Ill.
Ford & Johnson Chair Co. (Oak Slats Bolted to Castings), 801 S Wabash, Chicago, Ill.
**Gold Medal Camp Furniture Mfg. Co., (Folding), Racine, Wis.**
Grote F. Mfg. Co., Evansville, Ind.
Kalamazoo Sled Co. (Bent Wood, **Folding** & Swinging), Kalamazoo, Mich.
**Lattimer W. H. & Sons (Wooden), Orwell, N. Y.**
McLean Jno., 440 Water, New York
**Meyers Fred. J. Mfg. Co., Hamilton, O.**
*See adv index at end of book*
**Mitchell Robt. Furniture Co., 616 Race, Cincinnati, O.**
**Mott J. L. Iron Works (Wood, Iron Frame), Trenton, N. J.**
Moulton C. W. H. Co., Somerville, **Mass.**
**North Shore Ferneries Co., Beverly, Mass.**
Ohio Rake Co., Dayton, O.
Readsboro Chair Co., Readsboro, Vt.
Sheboygan Chair Co., Sheboygan, Wis.
Southern Wire & Iron Works, Atlanta, Ga.
**Steinfeld Bros. (Hardwood Folding & Bent Wood Settees & Chairs), 116 W 32d, New York**
Stewart Iron Works Co. (Settees), Covington, Ky.
Whitehurst R. W. Mfg. Corp. (Lawn Settees), Norfolk, Va.

## 13329— Setters (Axle)

Noyes B. B. Co. ("Little Giant," Setter Straightener), Greenfield, Mass.

## 13330— Setters (Skein)

**Williams, White & Co., Moline, Ill.**

## 13331— Setters (Stud)

Errington F. A. (Opening), 39 Cortlandt, New York

## 13332-3— Setters (Tire)

See Upsetters, Tire; also Upsetting & Forging Machines

Brooks Machine Co. ("Brooks" Cold), Wichita, Kan.
House Cold Tire Setter Co. ("House" Cold Hydraulic), **4143 Laclede av, St. Louis, Mo.**
Houston Car Wheel & Machine Co., Houston, Tex.
Ideal Tire Setter Co., McGehee, Ark.
**Lourie Mfg. Co. ("Hercules," "Scientific,"** Hydraulic), Springfield, Ill.
Noyes B. B. Co. (Tire & Axle), Greenfield, Mass.
**Pay Chas. & Co., 307 S Water, Providence, R. I.**
Potts D. H. Co. ("Sun"), Lancaster, Pa.
**West Tire Setter Co. ("West" Hydraulic), Rochester, N. Y.**

## 13334—Sewage Disposal Outfits

Ashley Sewage Disposal Co. (Consulting & Contracting Engineers), Morgan Park, Chicago, Ill.
**Edson Mfg. Co.** ("Edson" Odorless), **257 Atlantic av, Boston, Mass.**
**Lincoln Steel & Forge Co., 5701 National Bridge av, St. Louis, Mo.**
**Merritt Hydraulics Co.** ("Merritt"), **110 N Broad, Phila., Pa.**
**Noble Henry A. Co.** ("National" & "The Improved" Odorless), **203 Dock, Phila., Pa.**
Sanitation Corpn. ("R.-W. Screen"), 50 Broad, New York
**Wallace & Tiernan Co., Inc., 349 B'way, New York**

## 13335—Sewage Disposal Plants

**Andrews Heating Co. ("Andrews" Septic), Minneapolis, Minn.**
**Archer Geo. F.** (Bacterial Sewage Systems), 10 E 43d, New York
**Aten Sewage Disposal Co., 286 5th av, New York**
**Bacterial Sewage Purification Co., 2 Wall, New York**
**Central Foundry Co. (Pipe & Specials for), 90 West, New York**
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
**City Wastes Disposal Co., 45 7th av, New York**
Columbus Sewer Pipe Co., Columbus, Ga.
Dail Steel Products Co., Lansing, Mich.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
**Economy Pumping Machinery Co., 122 Curtis, Chicago, Ill.**
Electrolytic Sanitation Co., 53 W Jackson blvd, Chicago, Ill.
**Hammond Engineering Co. (Rotary Vacuum Dryers and Inverted Filters), Warren, Pa.**
**Kewanee Private Utilities Co., West Side, Kewanee, Ill.**
**Macomb Sewer Pipe Works, Macomb, Ill.**
Macon Sewer Pipe Works, Macon, Ga.
**Merritt Hydraulics Co.** ("Merritt," "Priestman-Beddoes"), **110 N Broad, Phila., Pa.**
**Modern Iron Works** ("Rhodes-Williams" Raw Sewage Syphon), **Quincy, Ill.**
**New York Sewage Disposal Co., 37 E 28th, New York**
**Ogden Sewer Pipe & Clay Co., Ogden, Utah**
**Pacific Flush Tank Co.** (Automatic Air Lock & Syphonic Apparatus), **4241 Ravenswood av, Chicago, Ill.**
**Priestman Albert** ("Merritt" "Priestman-Beddoes"), **328 Chestnut, Philadelphia, Pa.**
**Russell Sewage Disposal Co., 175 W Jackson blvd, Chicago, Ill.**
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.
**Waring, Chapman & Farquhar** ("Waring" System), 874 B'way, New York
**Yeomans Bros. Co.** ("Yeomans" System), 1433 Dayton, Chicago, Ill.

## 13336— Sewage Ejectors

**Blaisdell Machinery Co.** ("Blaisdell," Automatic), **Bradford, Pa.**
**Chicago Pump Co.** ("Duplex" Electric), 2342 Wolfram, Chicago, Ill.
*See adv index at end of book*
**Economy Pumping Machinery Co.** (Pneumatic), 122 Curtis, Chicago, Ill.
**I. X. L. Pump & Mfg. Co.** ("I. X. L."), 957 N 9th, Phila., Pa.
**Jenkins Mfg. Co.** ("Jenkins"), **Bloomfield, N. J.**
**Merritt Hydraulics Co.** ("Priestman" Pneumatic, Electric), **110 N Broad, Phila., Pa.**
Otterson Auto Eductor Co., Springfield, Ohio
**Pacific Flush Tank Co., 4241 Ravenswood av, Chicago, Ill.**
**Priestman Albert** ("Priestman"), **328 Chestnut, Phila., Pa.**
**Russell Sewage Disposal Co., 175 W Jackson blvd, Chicago, Ill.**
**Sanitary Mechanical Specialty Co., 157 E 72d, New York**
**Shone Co.** ("Shone"), **231 Institute pl, Chicago, Ill.**
**Simplex Ejector Co., 1050 W Randolph, Chicago, Ill.**
**Tranter Mfg. Co.** (Steam), **105 Water, Pittsburgh, Pa.**
**Walworth Mfg. Co., Boston, Mass.**

Wieben John Co. (Automatic), 2051 Lex-av, New York
Yeoman Bros. Co. (Duplex Electric), 1433 Dayton, Chicago, Ill.

## Sewer Builders

See Contractors, Building & General

## 13337—Sewer Couplings & Connections

Buchanan A., Jr. (Soil Pipe), 490 Summer av, Brooklyn, N. Y.
Canton Cement Specialty Co., Canton, O.
Marsh Valve Co., Erie, Pa.

## 13338—Sewer Manhole Steps

Anderson W. H. Tool & Supply Co., 184 Bush, Detroit, Mich.
Co-operative Foundry Co., 207 Junction av, Detroit, Mich.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Maher & Flockhart, 76 Polk, Newark, N. J.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 13338a—*Sewer Pipe Strainers

See also Strainers (Gutter)

Donley Bros. Co., ("D. B."), 3625 E 74th, Cleveland, O.
*See adv index at end of book*

## Sewer Siphons

See Tanks, Flush

## 13339—Sewing Machine Attachments

Greist Mfg. Co., New Haven, Conn.
Parsons Mfg. Co., 411 S Clinton, Chicago, Ill.

## 13340— Sewing Machine Parts & Supplies

Hancock Mfg. Co. (Parts to Specifications), Charlotte, Mich.
Johnson Shuttle Co., 215 W Superior, Chicago, Ill.
Merit Machine Mfg. Corp., 465 Greenwich, New York
Scranton Forging Co., Scranton, Pa.
*See adv index at end of book*
Sewing Machine Supplies Co., 121 Beach, Boston, Mass.
Smallbone Mfg. Co., 1821 Berteau, Chicago, Ill.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*

## 13341—Sewing Machine Woodwork

Kundtz Theodor Co., Elm & Winslow av, Cleveland, O.

## 13342— Sextants

Keuffel & Esser Co., Hoboken, N. J.
Nautical Instruments Mfg. Co., Inc., 47 West, New York
Pennsylvania Instrument Co., 618 Chestnut, Phila, Pa.
*See adv index at end of book*
Rupp Michael & Co. (Imported), 112 Broad, New York

## 13343— Shackles (Anchor)

Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of boo*
Cleveland Block Co., 1173 W 11th, Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Marine Hardware-Equipment Co. ("Acme" & "Wheco"), South Portland, Me.
*See adv index at end of book*
MERRILL BROS., 3 Arnold, Maspeth (Borough of Queens), New York
*See adv index at end of book*
Thacher Propeller & Foundry Corp., Albany, N. Y.
Weimer Chain & Iron Co. (Screw, etc), Lebanon, Pa.

## 13344— Shackles (Chain)

Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of book*
Channon Jas. H. Mfg. Co. (Also Anchor Shackles), 227 W Erie, Chicago, Ill.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Laughlin Thos. Co. (Also Anchor), Portland, Me.
McMillan's W. H. Sons, 153 South, New York
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Marine Hardware-Equipment Co. ("Acme" & Wheco"), South Portland, Me.
*See adv index at end of book*
MERRILL BROS., 3 Arnold, Maspeth (Borough of Queens), New York
*See adv index at end of book*
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Ransome Concrete Machinery Co. (Steel), Dunellen, N. J.
United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Weimer Chain & Iron Co. (Screw, etc), Lebanon, Pa.
Wilcox Crittenden & Co., Inc. (Anchor, Screw & Pin, etc.), Middltown, Conn.
*See adv index at end of book*

## 13344a—Shackles (Wire Rope)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Marine Hardware Equipment Co., South Portland, Me.
*See adv index at end of book*
MOON GEO. C. CO. ("Crescent"), Garwood, N. J. *See adv index at end of book*

## 13345— Shade Cloth Mfrs.

Bailey & Weston, 81 Washington, North Boston, Mass.
Bancroft Jos. & Sons Co. (Holland "Sun Fast"), Wilmington, Del.
Breneman Chas. W. & Co. ("Brenlin," "Camargo," "Myama"), 2045 Reading rd, Cincinnati, O.
California Shade Cloth Co., 2181 Bryant, San Francisco, Cal.
Cannon Mfg. Co., Concord, N. C.
Chace Mills, Fall River, Mass.
Columbia Mills, Inc. ("Crescent," "Damasko," "Star," "Arrow"), 225 5th av, New York
Columbia Western Mills, Peoria & W 121st, Chicago, Ill.
Covington Mills, Covington, Ga.
Dunson Mills, La Grange, Ga.
Hauser Shade Cloth Co. ("North Star"), Chicago Heights, Ill.
Interlaken Mills, Turks Head bldg, Providence, R. I.
Interstate Shade Cloth Co., Hoboken, N. J.
Lonsdale Co., 50 S Main, Providence, R. I.
McLean Andrew Co., Passaic, N. J.
Oswego Shade Cloth Co. (Chouaguen"), Oswego, N. Y.
Pacific Shade Cloth Co., Oakland, Cal.
Quidnick-Windham Mfg. Co., Willimantic Conn.
Tremont & Suffolk Mills, Lowell, Mass.
Victor-Monoghan Mills, Greenville, S. C.
Western Shade Cloth Co. ("Victor," "Luxor," "Cambro"), 2100 S Jefferson, Chicago, Ill.
Woodruff Cotton Mills, Woodruff, S. C.

## 13346— Shade Cord Mfrs.

Samson Cordage Works, 88 Broad, Boston, Mass.
Turner & Stanton Co., Norwich, Conn.

## 13346a—*Shadeholders ("Uno")

General Electric Co., Shenectady, N. Y.
*See adv index at end of book*

## 13347— Shades (Aluminum)

Dale Lighting Fixture Co., 107 W 13th, New York
Faries Mfg. Co., Decatur, Ill.
National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.

## Shades (Car)

See Car Curtains & Materials

## 13348— Shades (Celluloid)

Utility Shade Co., Tenafly, N. J.

## 13349—Shades (Glass, Pressed or Blown)

Gillinder & Sons, State & Devereaux, Philadelphia, Pa.
Gleason-Tiebout Glass Co., 93 Commercial, Brooklyn, N. Y.
Imperial Glass Co., Bellaire, O.

## 13350—Shades (Glass & Metal)

A. A. Elect. Mfg. Co. (Zinc), 355 Water, Bridgeport, Conn.
Am. Reflector & Ltg. Co. (Tin), 517 W Jackson blvd, Chicago, Ill.
Bailey Reflector Co., 617 2d av, Pittsburgh, Pa.
Duplex Shade Co. (Tin), Buffalo, N. Y.
Faries Mfg. Co. (Aluminum, Brass), Decatur, Ill.
Frink I. P. (Tin Aluminum, Brass, Zinc, Copper), 24th & 10th av, New York
Holophane Glass Co., 340 Madison av, New York
Hubbell Harvey, Inc. (Tin, Aluminum, Brass, Steel), Bridgeport, Conn.
Natural Metal Stamping Mfg. Co. (Tin, Aluminum, Brass, Zinc), 494 Mulberry, Newark, N. J.
Ostrander, W. R. & Co. (Tin, Aluminum), 193 B'way, New York
Overbagh & Ayres Mfg. Co. (Aluminum, Brass, Zinc), 411 S Clinton, Chicago, Ill.
Post Glover Elect. Co., 308 W 4th, Cincinnati, O.
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Vogel W. & Bros. (Sheet Metal), 37 S 9th, Brooklyn, N. Y.
Weeks Nelson (Tin), 226 Pacific, Brooklyn, N. Y.
Western Art Glass Shade Wks. (Glass), 105 Turk, San Francisco, Cal.
Western Reflection Co. (Tin), 1053 W Lake, Chicago, Ill.
Wheeler Reflector Co. (Tin), 156 Pearl, Boston, Mass.
Wormser Glass Co. (Glass), 2nd & Sylvan avs, Pittsburgh, Pa.

## 13351—Shades (Leaded Glass, Mosaic, Etc)

Amboy Works, Perth Amboy, N. J.
Art Glass Mfg. Co., 128 Mott, New York
Art Shade Co., 224 N Desplaines, Chicago, Ill.
Bayley & Sons, 105 Vandeveer, B'rklyn, N. Y.
Bent Glass Novelty Co., 394 Canal, New York
Braunstein Bros. Co., 124 Wooster, New York
Cameron Glass Co. ("Cameron" Small Electric), Cameron, W. Va.
Daggett & Curry Co., Waltham, Mass.
Doric Art Glass Co., Minneapolis, Minn.
Gudeman & Co., 19 W 36th, New York
Handel Co., Meriden, Conn.
Ideal Art Bent Glass Co., 407 Broome, New York
Imperial Art Glass & Lamp Works, 205 W 19th, New York
Kramer Bros. Lamp Co., Inc., 585 B'way, New York
Lynch Geo. C. Co., 236 5th av, New York
Mosaic Shade Co., 1512 S Michigan av, Chicago, Ill.
Mutual Lamp Mfg. Co., 21 E Houston, New York
Northwestern Art Shade Co., 184 W Lake, Chicago, Ill.
Opalescent Bent Glass Co. (Opalescent Art Glass Co., mfrs. Lamp Shades), 106 7th av, New York
Rainaud H. E. Co., Meriden, Conn.
Royal Art Glass Co., 243 Canal, New York
Salem Bros. 122 Centre, New York
Standard Art Glass Co., 237 Lafayette, New York
Stavenhagen W. H. Co., 516 W 47th, New York
Tiffany Studios, 361 Madison av, New York
Unique Art Glass & Metal Co. ("Imperial"), 105 Vanderveer, Brooklyn, N. Y.
Warner C. B. & J., 138 W 14th, New York
Western Art Glass Shade Wks., 105 Turk, San Fraancisco, Cal.

## 13352—Shades (Mirror Lined)

Bailey Reflector Co., 617 2d av, Pittsburgh, Pa.

## 13353— Shades (Paper)

Bloch L. D. & Co., 157 5th av, New York
Franke George Sons Co. (Lamp), 112 So Eutaw, Baltimore, Md.
Mayer Willy & Co., 41 Union sq, New York
Utility Shade Co., Tenafly, N. J.
Whaley J. A. & Co., 118 5th av, New York
Will & Baumer Co., 139 Madison av, New York

## 13354— Shades (Porch)

Aeroshade Co. ("Aerolux"), Waukesha, Wis.
Comey R. H. Co. ("Komi" Porch Curtains), Camden, N. J.
Gary Theo. H. Co. (Imp.), 67 Irving pl, New York
Hough Shade Corporation ("Vudor"), Janesville, Wis.
Leipzig A. (Bamboo, etc), 127 W 17th, New York

## 13355— Shades (Silk)

Art Lamp Mfg. Co. (Silk), 1258 W 15th, Chicago, Ill.
Dale Lighting Fixture Co., 107 W 13th, New York
Fixture Specialty Co., Los Angeles, Cal.
Gudeman & Co. (Silk & Cretonne Shades & Domes), 19 W 36th, New York
Lynch Geo. C. Co., 236 5th av, New York
Marquiz M. (Silk), 37 S Wabash, Chicago, Ill.
Morisnura Bros., 55 W 23d, New York
Royal Lamp Shade Co. (Silk Cretonne), 39 E 19th, New York
Schaeffer Max Co. (Silk), 26 Warren, New York
Starr's Mica Co., Oswego, N. Y.
Straus-Hohenstein Co., 132 W 21st, New York
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Utility Shade Co. (Also Linen), Tenafly, N. J.
Waldo Co., 45 E 20th, New York
Whaley J. A. & Co., 118 5th av, New York
Will & Baumer Co., 139 Madison av, New York

## 13356—Shades (Trolley Vestibule)

A. A. Elec. Mfg. Co. (Shades, Trolley, Vestibule), 355 Water, Bridgeport, Conn.
Adams-Bagnall Elec. Co., Platt av, Cleveland, O.
Baltimore Enamel & Novelty Co., 4 E Redwood, Baltimore, Md.
Benjamin Elec. Mfg. Co., 120-128 S Sangamon, Chicago, Ill.
Central Elec. Co., 320 S 5th av, Chicago, Ill.
Cutter Geo. Co., South Bend, Ind.
Dunlap John Co., Carnegie, Pa.
Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
Enamel Products Co., Cleveland, O.
Frink I. P., 24th & 10th av, New York
Herwig Art Shade & Lamp Co., 2140 N Halstead, Chicago, Ill.
*See adv index at end of book*
Hubbell, Inc., Harvey, Bridgeport, Conn
Ivanhoe Regent Wks. of G. E. Co., 5716 Euclid av, Cleveland, O.
National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
Phila. Elec. & Mfg. Co., 1236 N 31st, Phila., Pa.
Royal Enameling & Mfg. Co., Chicago, Ill.
Vitrious Enameling Co., Grant av, Cleveland, O. *See adv index at end of book*
Wheeler Reflector Co., 156 Pearl, Boston, Mass.

## 13357—Shades & Reflectors (Glass or Porcelain)

Benjamin Electric Mfg. Co. (Porcelain), 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Cleveland Window Glass & Door Co., 209 Champlain av, N W, Cleveland, O.
Consolidated Lamp & Glass Co. ("Cora," "Aurora," "Pastelle," "Rosedore"), Coraopolis, Pa.
Corning Glass Works (Prismatic, Spherical & Parabolic Reflectors), Corning, N. Y.
Gill Bros. Co. ("Parian"), Steubenville, O.
Gill & Co. (Washington Flint Glass Works), E York & Thompson, Phila., Pa.
Gillinder & Sons ("Melibite"), State & Devereaux, Philadelphia, Pa.
Gleason-Tiebout Glass Co. (Glass Globes), 93 Commercial, Brooklyn, N. Y.
Holophane Glass Co. ("Holophane"), 340 Madison av, New York
Imperial Glass Co., Bellaire, O.
Ingram-Richardson Mfg. Co., Beaver Falls, Pa. *See adv index at end of book*
Jefferson Glass Co. ("Luceo" Glass), Follansbee, W. Va.
Kirchberger M. & Co. (Imp.), 116 E 27th, New York
Luminous Specialty Co. (Elec. Light Reflectors), Indianapolis, Ind.
Macbeth-Evans Glass Co. ("Alba"), C of C bldg, Pittsburgh, Pa.
National X-Ray Reflector Co., 233 W Jackson blvd, Chicago, Ill.
Neuhauser D. L. (Glass Shades Only), 326 W Grand av, Chicago, Ill.
Opalux Co. ("Opalux"), 200 5th av, New York
Pairpoint Corp'n, New Bedford, Mass.
Phoenix Glass Co. ("Electric & Gas"), 2d Nat'l Bank bldg, Pittsburgh, Pa.
Post Glover Electric Co., 308 W 4th, Cincinnati, O.
Star Glass Co. (Glass), Star City, W. Va.
Straight Filament Lamp Co., 42 E 23d, New York
Sunlight Reflector Co., 226 Pacific, Brooklyn, N. Y.
Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
Whaley J. A. & Co., 118 5th av, New York

## 13358—Shades & Reflectors (Metallic)

Adams-Bagnall Electric Co. (For Mfg. Plants), Platt av, Cleveland, O.
American Reflector & Lighting Co. ("Paragon"), 517 W Jackson blvd, Chicago, Ill.
Bailey Reflector Co., 617 2nd av, Pittsburgh, Pa.
Baltimore Enamel & Novelty Co., 4 E Redwood, Baltimore, Md.
BENJAMIN ELECTRIC MFG. CO., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Chandlee H. P. Sons Co. (Small Tin), 114 W Lombard, Baltimore, Md.
Chicago Lamp & Fixture Co., 309 S Clinton, Chicago, Ill.
Curtis-Leger Fixture Co. ("Scoop," "Helmet," "Bee Hive," "Poke Bonnet," Window Reflector), 235 W Jackson blvd, Chicago, Ill.
Cutter George Co., South Bend, Ind.
Dale Lighting Fixture Co., 107 W 13th, New York
Dunlap John Co., Carnegie, Pa.
Enamel Products Co., Eddy rd & Taft av, Cleveland, O.
Erickson L. Electric Co., 6 Portland, Boston, Mass.
Faries Mfg. Co., Decatur, Ill.
Federal Sign System, 8700 S State, Chicago, Ill.
Frink I. P., Inc., 10th av & 24th, New York
Harter Mfg. Co., 524 S Clinton, Chicago, Ill.
Herwig Art Shade & Lamp Co., 2140 N Halsted, Chicago, Ill.
*See adv index at end of book*
Hubbell Harvey, Bridgeport, Conn.
Ivanhoe-Regent Works of General Electric Works (Lamp), 5716 Euclid av, Cleveland, O.
Klemm & Co., 132 N 5th, Phila., Pa.
McLeod, Ward & Co., 430 11th av, New York
National Metal Stamping & Mfg. Co. ("Marten," "Tidman"), 494 Mulberry, Newark, N. J.
Ostrander W. R. & Co., 371 B'way, New York
Overbagh & Ayres Mfg. Co. ("Omaco" Show Case Reflectors), 411 S Clinton, Chicago, Ill.
P. R. Mfg. Co. ("Hartwig"), Detroit, Mich.
Peerless Light Co., 663 W Washington blvd, Chicago, Ill.
Phila., Electrical & Mfg. Co., 1236 N 31st, Phila., Pa.
Pittsburgh Reflector & Illuminating Co., Pittsburgh, Pa.
Plume & Atwood Mfg. Co. ("Plumwood"), Waterbury, Conn.
Post Glover Electric Co., 308 W 4th, Cincinnati, Ohio
Royal Enameling Mfg. Co., Des Plaines, Ill.
Troy Stamping Works, Troy, N. Y.
Vitrious Enameling Co., Grant av, Cleveland, O. *See adv index at end of book*
Vogel W. & Bros., 37 S 9th, Brooklyn, N. Y.
Warshavsky A. W., 187 B'way, Brooklyn, N. Y.
Western Reflector Co., 1053 W Lake, Chicago, Ill.
Wheeler Reflector Co. ("Para-Steel" "Wheeler"), 156 Pearl, Boston, Mass.
Wood C. D. Electric Co. (Enam. Steel Imp), 441 B'way, New York

## 13359—Shades & Reflectors (Mirror)

American Reflector & Lighting Co. ("Paragon"), 517 W Jackson blvd, Chicago, Ill.
Bailey Reflector Co., 617 2d av, Pittsburgh, Pa.
Frink I. P. Inc., 10th av & 24th, New York
Klemm & Co. ("Diamond"), 132 N 5th, Phila., Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
National X-Ray Reflector Co. ("Scoop"), 233 W Jackson blvd, Chicago, Ill.
Overbagh & Ayres Mfg. Co. ("Omaco"), 411 S Clinton, Chicago, Ill.
Pennsylvania Glass Mfg. Co., 404 Diamond, Pittsburgh, Pa.
Pittsburgh Reflector & Illuminating Co., Pittsburgh, Pa.
Sunlight Reflector Co., 226 Pacific, Brooklyn, N. Y.
Weeks Nelson, 226 Pacific, Brooklyn, N. Y.
Western Reflector Co., 1053 W Lake, Chicago, Ill.
Wheeler Reflector Co. ("Wheeler"), 156 Pearl, Boston, Mass.

## 13359a— Shafting

Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pitsburgh, Pa.
*See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Ryerson J. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

## 13360—Shafting (Cold Drawn Steel)

American Tool & Machine Co., 10 High Boston, Mass.
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Cambria Steel Co., Widener bldg, Phila., Pa.
Columbia Steel & Shafting Co., Kirkwood, Pittsburgh, Pa.
Compressed Steel Shafting Co., Readville, Mass.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Fairbanks Co., 416 Broome, New York
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Frasse Peter A. & Co., Inc., 417 Canal, New York. Works: Hartford, Conn.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co. (Also Cold Rolled), Ross, Pittsburgh, Pa.
LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
National Tube Co., Frick bldg, Pittsburgh, Pa.

New England Drawn Steel Co., Mansfield, Mass.
Pardee C. Works, Perth Amboy, N. J.
Pennsylvania Shafting Co., Spring City, Pa.
Roanoke Iron Works, Inc., Roanoke, Va.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
Standard Gauge Steel Co., Beaver Falls, Pa.
Union Drawn Steel Co., Beaver Falls, Pa.
Walker Mfg. Co. ("Walker" Cold Rolled). Denver, Colo.
**WARDS, EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York
*See adv index at end of book*

## 13361— Shafting Collars

American Bridge Co., 30 Church, New York
American Tool & Machine Co., 10 High, Boston, Mass.
Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Bond Foundry & Machine Co., Manheim, Lancaster, Pa.
*See adv index at end of book*
Brown A. & F. Co., 79 Barclay, New York.
Chain Belt Co., Milwaukee, Wis.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Cresson-Morris Co., Allegheney & 18th, Philadelphia, Pa.
Dodge Sales & Engineering Co., Mishawaka, Ind.
Erie Forge Co., Erie, Pa.
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Grace C. M. & Co., Huntsville, Ala.
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R. Ry., Philadelphia, Pa.
*See adv index at end of book*
Medart Patent Pulley Co. (Plain or Safety Type), 3500 De Kalb, St. Louis, Mo.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Plamondon A. Mfg. Co., 12 N Clinton, Chicago, Ill.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Rhode Island Tool Co. (Cold Punched), Providence, R. I.
Royersford Foundry & Machine Co. (Solid & Split), Royersford, Pa.
Standard Pressed Steel Co. ("Hallowell," Cold Rolled Steel), 20th & Indiana, Phila., Pa.
Valley Iron Works (Cast Iron), Williamsport, Pa.
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill. *See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Wisconsin Fdry. & Mach. Co. (Line), Madison, Wis.
Wolf Co. (Safety Set, etc), Chambersburg, Pa.
Wood's T. B. Sons Co. (Safety Set), Chambersburg, Pa.

## 13362—Shafting (Heavy Forged Steel)

Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co. (Solid or Hollow), South Bethlehem, Pa.
Boston Forge Co., E Boston, Mass.
Cambria Steel Co., Widener bldg, Phila., Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, Ohio
*See adv index at end of book*

Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**JOHNSTON & JENNINGS CO.,** Addison rd & N. Y. C. R. R., Cleveland, O.
*See adv index at end of book*
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Philadelphia Steel & Forge Co., 50 Church, New York
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Reading Iron Co., Reading, Pa.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Forgings Co., 80 E Jackson blvd, Chicago, Ill.
Tioga Steel & Iron Co., 52nd & Grays, Phila., Pa.
Titusville Forge Co., Titusville, Pa.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

## 13363—Shafting (Hollow Seamless Steel)

Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Electric Steel & Forge Co., 6600 Grand av, Cleveland, Ohio.
*See adv index at end of book*
National Tube Co. ("Shelby"), Frick bldg, Pittsburgh, Pa.

## 13364—Shafting (Iron & Steel)

The Firms under this heading all Roll Shafting
**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Braeburn Steel Co. (Steel Only), Braeburn, Pa.
Cambria Steel Co. (Steel Only), Widener bldg, Phila., Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Cumberland Steel Co. (Turned & Ground Steel), Cumberland, Md.
Erie Forge Co. (Steel), Erie, Pa.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Illinois Steel Co. (Steel Only), 208 S La Salle, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Judson Mfg. Co. (Iron), 819 Folsom, San Francisco, Cal.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Reading Iron Co., Reading, Pa.
Titusville Forge Co., Titusville, Pa.
**WARD'S EDGAR T. SONS CO.** (Steel), 45-54 Farnsworth, Boston, Mass.
*See adv index at end of book*
**WARDS EDGAR T. SONS CO.** (Stocks for Immediate Delivery), 304 Hudson, New York *See adv index at end of book*

## 13365—Shafting (Polished Steel)

American Tool & Machine Co., 10 High, Boston, Mass.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bliss & Laughlin (Keyseated & Fitted with Couplings), Harvey, Ill.
Blum Julius & Co., 540 W 22nd, New York
Brightman Mfg. Co. (Cold Drawn, 1-4-in. to 1 3-16-in), Columbus, O.
Brown A. & F. Co., 79 Barclay, New York.
Cambria Steel Co., Widener bldg, Phila., Pa.
Columbia Steel & Shafting Co., Kirkwood, Pittsburgh, Pa.
Compressed Steel Shafting Co., Readville, Mass.

Cresson-Morris Co., Allegheny & 18th, Philadelphia, Pa.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Cumberland Steel Co. (Turned & Ground), Cumberland, Md.
Fitzsimons & Co., 2496 B'way, S. E., Cleveland, O.
Fitzsimons Co., Youngstown, O.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Frasse Peter A. & Co. Inc., 417 Canal, New York. Works: Hartford, Conn.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Jones & Laughlin Steel Co., Ross, Pittsbugh, Pa.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
New England Drawn Steel Co., Mansfield, Mass.
Pardee C. Works, Perth Amboy, N. J.
Penn Shafting Co., Spring City, Pa.
Republic Iron & Steel Co. ("Acme"), Youngstown, O.
*See Branch Offices Alphabetical Section*
Standard Gauge Steel Co., Beaver Falls, Pa.
Union Drawn Steel Co., Beaver Falls, Pa.
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York
*See adv index at end of book*

## 13366— Shafting (Turned)

Allis-Chalmers Mfg. Co. (Steel), Milwaukee, Wis.
American Tool & Machine Co. (Iron & Steel), 10 High, Boston, Mass.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Brightman Machine Co., Quincy & C. & P. Ry., Cleveland, O.
Brightman Mfg. Co. (1 1-4" to 6"), Columbus, O.
Brown A. & F. Co. (Steel), 79 Barclay, New York
Columbia Steel & Shafting Co., Kirkwood, Pittsburgh, Pa.
Cumberland Steel Co. (Turned & Ground Steel), Cumberland, Md.
Dick R. & J. Ltd., Passaic, N. J.
Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Great Western Mfg. Co., Leavenworth, Kans.
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Hill Clutch Co., W 65th, Cleveland, O.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R. Ry., Phila., Pa.
*See adv index at end of book*
Medart Patent Pulley Co. (Steel), 3500 De Kalb, St. Louis, Mo.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Pardee C. Works, Perth Amboy, N. J.
Sizer Forge Co., 238 Larkin, Buffalo, N. Y.
Standard Gauge Steel Co., Beaver Falls, Pa.
Titusville Forge Co. (Forged 10 lbs. to 30 Tons), Titusville, Pa.
Union Drawn Steel Co. (Steel), Beaver Falls, Pa.
Walker Mfg. Co., Denver, Colo.

## 13367—Shafting (Yellow Metal)

Taunton-New Bedford Copper Co., Taunton, Mass.

## 13368— Shafts (Cam)

Anderson Forge & Machine Co., Detroit, Mich.
Atlas Drop Forge Co., Lansing, Mich.
Bay City Forge Co., 1820 Cranberry, Erie, Pa.
Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of book*
Camden Forge Co., Camden, N. J.
Commercial Machine Co., Dunkirk, N. Y.
Driggs-Seabury Ordnance Co., Sharon, Pa.
Hibbard Engineering Co., Maj. bldg, Detroit, Mich.
Indianapolis Drop Forging Co., Indianapolis, Ind.

SHAFTS (CAM)—continued

**Jackson Motor Shaft Co., Jackson, Mich.**
**Ladish Drop Forge Co., Cudahy, Wis.**
**Lansing Forge Co., Lansing, Mich.**
*See adv index at end of book*
**Muskegon Motor Specialties Co., Muskegon,** Mich.
Norton Grinding Co., Worcester, Mass.
Obenberger Drop Forge Co., 53rd & Burnham, Milwaukee, Wis.
Peninsular Auto Parts Co., 46 E Lafayette, Detroit, Mich.
**Pittsburgh Shafting Co. of Detroit, 346 W Fort, Detroit, Mich.**
Pollak Steel Co., Cincinnati, Ohio
**Steel Products Co., 2206 Clarkwood rd,** Cleveland, Ohio
**Transue & Williams Steel Forging Corp.,** Alliance, O.
**Vulcan Steam Forging Co., Inc., 251 Rano,** Buffalo, N. Y.
**Western Drop Forge Co., P. O. Box 386,** Marion, Ind.
**Western Tool & Forge Co., Brackenridge,** Pa.

## 13369— Shafts (Flexible)

**Almond T. R. Mfg. Co. ("Almond" Flex**ible Electric), Ashburnham, Mass.
**Bighamton Flexible Shaft Co., Bingham**ton, N. Y.
**Breeze Carbureter Co., 250 South, Newark,** N. J.
**Chicago Flexible Shaft Co., 5600 W 12th,** Chicago, Ill.
Coates Clipper Mfg. Co. ("Coates" Unit Link), Worcester, Mass.
**FISCHER CHAS. SPRING CO., 473 Kent av, Brooklyn, N. Y.**
**GEM MFG. CO.** ("Gem" Motor Driven), Goebel, nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*

SHAFTS (Flexible) "GEM"
GEM GUARANTEE GOOD
Rope or Motor Driven.
Gem Mfg. Co., PITTSBURGH, PA

Haskins R. G. ("Haskins"), 27 S Desplaines, Chicago, Ill.
Plank Flexible Shaft Machine Co. Grand Rapids, Mich.
**STOW MFG. CO., Binghamton, N. Y.**
*See adv index at end of book*
**Stow Flexible Shaft Co., 26th & Callow**hill, Philadelphia, Pa.
Strand N. A. & Co., 625 W Jackson blvd, Chicago, Ill.
**Three Rivers Machine Tool & Die Corp.,** Phoenix, N. Y.
**Webb Mfg. Co., 245-247 N. J. R. R. av,** Newark, N. J.
*See adv index at end of book*

WE MAKE
FLEXIBLE SHAFTS
For indicating and recording instruments
ALSO BUFFING AND POLISHING OUTFITS AND WIRE BELTS
Catalogue on request
Webb Mfg. Co., 245-247 N.J.R.R. Ave., Newark, N.J.

Williams J. H. & Co. (Forgings), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 13370— Shafts (Golf Stick)

**Anchor Saw Mills Co., Memphis, Tenn.**
Dayton Handle & Golf Co., Dayton, O.
Dickinson Chas. W., Ypsilanti, Mich.
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
**Minton T. W. & Son, Barbourville, Ky.**
**STILES H. A. & CO., 93-97 Oliver, Boston, Mass.** *See adv index at end of book*

## 13371— Shafts (Jack)

**American Tool & Machine Co., 10 High,** Boston, Mass.
Dice Machine Co., **Anderson, Ind.**
**Hanson Clutch & Machinery Co., Tiffin, O.**
*See adv index at end of book*
**LINK-BELT CO., 329 W 39th, Chicago,** Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
**Muncie Gear Works, Muncie, Ind.**
**Russell Motor Axle Co., North Detroit,** Mich.
**Timken Detroit & Axle Co., Clark av,** Detroit, Mich.

## 13371a— Shafts (Key Seated)

**Standard Gauge Steel Co., Beaver Falls,** Pa.

## 13372—Shafts (Key Seating)

**American Tool & Machine Co., 10 High,** Boston, Mass.
**Dodge Sales & Engineering Co., Misha**waka, Ind.
**Hanson Clutch & Machinery Co., Tiffin, O.**
*See adv index at end of book*
**Hill Clutch Co., W 65th, Cleveland, O.**
**LINK-BELT CO., 329 W 39th, Chicago,** Ill., & Hunting Park av & P & R Ry, Phila., Pa.
*See adv index at end of book*
**Lockhart Iron & Steel Co., McKees Rocks,** Pa.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**Pardee C. Works (Planished), Perth Am**boy, N. J.
**Reading Iron Co., Reading, Pa.**
**Republic Iron & Steel Co., Youngstown, O.**
*For Branch Offices see Alphabetical Section*
Simmons Machine Co., Inc., 987 B'way, Albany, N. Y.
**Standard Gauge Steel Co., Beaver Falls,** Pa.
**Union Drawn Steel Co., Beaver Falls, Pa.**

## 13373—Shafts (Phosphor Bronze)

Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
**Phosphor Bronze Smelting Co., 2200 Wash**ington av, Philadelphia, Pa.

## 13374—Shafts & Poles (Carriage & Wagon)

Ames Body Corp., Owensboro, Ky.
**Brown S. N. & Co., Dayton, O.**
**Buckeye Handle, Gear & Bending Co.,** Alliance O.
**Buckley J. Hub, Spoke & Wheel Co., 969** N 2nd, Philadelphia, Pa.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Cartier A. E. Sons Co., Ludington, Mich.
Coopersburg Bending Works, Coopersburg, Pa.
Crane & MacMahon, 10 Bridge, New York
Dann Bros. & Co., New Haven, Conn.
Donges John & Co., Hamilton, O.
Dugger & Goshorn (Poles), Memphis, Tenn.
Empire Bending Works (Shafts Only), Lancaster, Pa.
Gillett E. A. & Sons, Charlestown, Boston, Mass.
Gillette C. H., Indianapolis, Ind.
Hartzell Geo. W., Dayton, O.
Holt Bros. Mfg. Co., Concord, N. H.
Hoyt John Co., Delaware, N. J.
Ketler-Elliott Co. ("Ketoco" Axle Shafts), 31st & California, Chicago, Ill.
Lamb-Fish Lumber Co., Charleston, Miss.
Lebzeiter P. & Son Co., Lancaster, Pa.
Leippe's Jacob A. Sons, Reading, Pa.
Leonard F. B. & Co., Metropolis, Ill.
Love Wagon Co., Durant, Miss.
Metropolis Bending Co., Metropolis, Ill.
Mills Ellsworth Co., Keokuk, Ia.
Minton T. W. & Son, Barbourville, Ky.
Pioneer Pole & Shaft Co., Piqua, O.
Racine General Mfg. Co. (Jobbers), Racine, Wis.
Reuter Hub & Spoke Co., Dexter, Mo.
Shepard H. G. & Sons, New Haven, Conn.
Sp inger Bros. Mfg. Co., Edwardsville, Ill.
Thomasville Spoke Works Co., Thomasville, N. C.
Union Bending Works, Collins, O.
Warner Pole & Top Co., 1648-50 Central av, Cincinnati, O.
Waterloo Bending Co., Waterloo, Ind.

## 13375— Shakers

American Machine & Mfg. (Cotton Seed), Atlanta, Ga.
**Ray Geo. A. Mfg. Co. (Lemonade, Pepper,** Sugar, etc), Buffalo, N. Y.
Sutterley G. T. & Co., 172 N 2nd, Phila, Pa.
**Tyler W. S. Co. (Testing Sieve), Cleve**land, O. *See adv index at end of book*

## 13376—Shakers (Locomotive Grate)

**Franklin Railway Supply Co. ("Franklin"** Power), 30 Church, New York
**Hansell Grate Co., 20 E Jackson blvd,** Chicago, Ill.

## 13377—Shakers (Pepper & Salt)

**Cassady Fairbank Mfg. Co. (Aluminum),** 6126 S La Salle, Chicago, Ill.
**Fargo E. A. Co. (Aluminum), Taunton,** Mass.
**Standard Aluminum Co. (Aluminum), Two** Rivers, Wis.

## 13378— Shampoos

**Edwardsville Brass Co., Edwardsville, Ill.**

## 13379— Shanks (Button)

**Atlas Button Works, 22 W 22d, New York**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 13380—Shanks (Ladle Carrying)

**P. & O. Supply Co., Hanover & Florida,** Milwaukee, Wis.

## 13381— Shanks (Shoe)

**Churchill & Allen, Lynn, Mass.**
**National Tack Co., East Bridgewater,** Mass.
**Rochester Shank Co., Rochester, N. Y.**
**Stevens & Willis Co., South Braintree,** Mass.

## 13382—Shapes (Pressed Metal)

**ACKLIN STAMPING CO., 1659 Dorr, To**ledo, O. *See adv index at end of book*
**American Pulley Co., 114 S Clinton, Chi**cago, Ill.
**American Sheet Metal Stamping Corp.,** Lehigh av & Mutter, Phila., Pa.
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
**Globe Machine & Stamping Co. (To Order)** 1250 W 76th, Cleveland, O.
**Heltzel Steel Form & Iron Co., Warren, O.**
**Roe & Conover, 206 Frelinghuysen av,** Newark, N. J. *See adv index at end of book*
Waterbury Button Corporation, 831 South Main, Waterbury, Conn.
*See adv index at end of book*

## 13383—Shares (Plow, Lister, Etc.)

**Avery B. F. & Sons, Louisville, Ky.**
**Brown-Manly Plow Co., Malta, O.**
**Brown Mfg. Co., Zanesville, O.**
**Crescent Forge & Shovel Co., Havana, Ill.**
**Harriman Mfg. Co., Harriman, Tenn.**
**Kilbourne & Jacobs Mfg. Co., Columbus, O.**
*See adv index at end of book*
**Mason F. C. & Co., St. Johns, Mich.**
**Noll Bros., 849 Allis, Milwaukee, Wis.**
**Ohio Cultivator Co., Bellevue, O.**
**Star Mfg. Co. (Steel), Carpentersville, Ill.**
Waterbury Button Corporation, 83 South Main, Waterbury, Conn.
*See adv index at end of book*

## Sharpeners (Cutter Saw)

See Sharpeners (Saw)

## 13384— Sharpeners (Disc)

**Clizbe Bros. Mfg. Co. (Plymouth), Plym**outh, Ind.
**Durner A. E. ("Little Wonder," "Giant** Wonder"), Evansville, Wis.
**Gould Balance Valve Co. ("Dow" Cold** Rolling), Kellogg, Ia.
**Herschel R. Mfg. Co. ("Reliable"), Peoria,** Ill.
**Monmouth Plow Factory, Monmouth, Ill.**
**Murray Iron Works Co. ("Monarch"),** Central av & Washington, Burlington, Iowa
**Rock Island Plow Co., Rock Island, Ill.**
**Schofield & Co. ("Daisy"), Freeport, Ill.**
**Skow Mfg. Co. ("Skow" Rotary), Newton,** Iowa
**Walker Mfg. Co. ("Novelty"), Council** Bluffs, Ia.

### 13385— Sharpeners (Dowel)

Stanley Rule & Level Co. (Wood), New Britain, Conn.

### Sharpeners (Drill)

See Drill Sharpening Machines

### 13385a— Sharpeners (Drill Bit)

Sullivan Machinery Co., Peoples Gas bldg, Chicago, Ill.

### 13386—Sharpeners (Drill Steel)

See also Drill Sharpening Machines

**INGERSOLL-RAND CO.** ("Leyner"), 11 B'way, New York
*See adv index at end of book*

### 13386a— Sharpeners (File)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

### 13387— Sharpeners (Knife)

American Cutlery Co. ("Only"), 764 Mather, Chicago, Ill.
Berk Bros., 543 Broadway, New York
Carborundum Co. ("Carborundum"), Niagara Falls, N. Y.
Cassady Fairbank Mfg. Co. (Emery & Corundum), 6126 S La Salle, Chicago, Ill.
Holley Co., 21 Elm, Rochester, N. Y.
Washington blvd, Chicago, Ill.
Johnson E. P. Rule Mfg. Co. (Reel), 565 Washington blvd., Chicago, Ill.
Lake Mfg. Co. (Little Wonder"), 58 R. I. av, Washington, D. C.
White Ira F. & Son Co., Bloomfield, N. J.

### 13388—Sharpeners (Lawn Mower)

Coldwell Lawn Mower Co. ("Coldwell"), Newburgh, N. Y.
Fate-Root-Heath Co. ("Favorite," "Ideal," "Peerless" Grinder), Plymouth, O.
Hampden Corundum Wheel Co., Brightwood, Springfield, Mass.
National Machine & Stamping Co., Detroit, Mich.
Osborn Mfg. Co., 5401 E Hamilton, Cleveland, O. *See adv index at end of book*
Pike Mfg. Co. ("Pyke's"), Pike, N. H.
Royal Mfg. Co., 406 Commerce, Phila., Pa.

### Sharpeners (Mower Knife)

See Grinders, Sickle & Mower Knife

### 13389— Sharpeners (Pencil)

Automatic Pencil Sharpener Co., 58 E Washington, Chicago, Ill.
Boston Specialty Corp. ("Boston"), 261 B'way, New York
Cook F. H. & Co. ("Gem"), Leominster, Mass.
Crescent Mfg. Co., Fremont, O.
New Era Mfg. Co., 450 4th av, New York
Roneo Co. ("Roneo" Automatic), 117 Leonard, New York
Specialty Mfg. Co., Decatur, Ill.
Spiro C. Mfg. Co. ("Rapid"), 68 E 131st, New York
Webster F. S. Co. ("Webster"), 340 Congregational, Boston, Mass.
Whitacre J. E., Co. ("Little Yankee"), Rockford, Ill.

### 13390-1-2—Sharpeners (Plow Blade)

Strite Governor Pulley Co. ("Justrite"), 307 S 3rd, Minneapolis, Minn.

### Sharpeners (Rock Drill)

See Drill Sharpening Machines

### 13393— Sharpeners (Saw)

See also Saw Sharpening Machines; also Band Saw Filing & Setting Machines; also Saw Filing & Setting Machines
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Clizbe Bros. Mfg. Co. ("Crown"), Plymouth, Ind.
Covel Mfg. Co. (Band Saw, etc), Benton Harbor, Mich.
Disston Henry & Sons (Inc.), Tacony, Phila., Pa.
Hanchett Swage Wks. ("Hanchett" Automatic), Big Rapids, Mich.
Nutter & Barnes Co. (Automatic), Hinsdale, N. H.
Riverside Machine Works ("Crescent"), Kokomo, Ind.
Rothfuss-Howard Iron Wks, Williamsport, Pa.
Star Corundum Wheel Co., 241 Cavalry av, Detroit, Mich.
Wilkinson A. J. & Co. ("Elkins" Saw Filler), 184 Washington, Boston, Mass.

### 13394—Sharpeners (Shoe Knife)

United Shoe Machinery Co. ("U. S. M. C."), 205 Lincoln, Boston, Mass.

### 13395— Sharpeners (Skate)

Casement Hdwe Co. (Individual "Berghman"), 9 S Clinton, Chicago, Ill.
Luther Grinder Mfg. Co. (Bench Skate Grinder Attachment), 285 So Water, Milwaukee, Wis.
Osborn Mfg. Co. ("File 'em Quick"), 5401 E Hamilton, Cleveland, Ohio
*See adv index at end of book*

### 13396— Sharpeners (Swage)

Disston Hy. & Sons (For Band & Gang Saws), Tacony, Phila., Pa.

### 13397— Sharpeners (Tool)

Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
Walker O. S. Co. ("Globe," for Machine Tools), Worcester, Mass.

### 13398— Shavers (Ice)

See also Ice Cube Cutting Machinery

American Knife Co., Baldwinsville, N. Y.
Arcade Mfg. Co., Freeport, Ill.
Blakeslee G. S. & Co., W 19th & S 52d av, Chicago, Ill.
Bodenstein J. G. & Co., Staatsburg, N. Y.
Burgess & Norton Mfg. Co. ("Bur-Nor" Pick & Shaver Combined), Geneva, Ill.
Clipper Fountain Supply Co., Troy, N. Y.
Columbus Handle & Tool Co., Columbus, Ind.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Gifford-Wood Co., Hudson, N. Y.
Gilchrist Co.("Yankee" Steel), 236 Bank, Newark, N. J.
Giles & Nielsen Nickel Works, Troy, N. Y.
Griswold Mfg. Co., Erie, Pa.
Gruman Ice Tool Works, Branchville, Conn.
National Mfg. & Steel Supply Co., 781 Summit, Newark, N. J.
Nicol & Co. ("White City"), 218 N Jefferson, Chicago, Ill.
North Bros. Mfg. Co. ("Gem"), Lehigh av & American, Phila., Pa.
Reinhold Mfg. Co. ("Jumbo"), 139 Beaubien, Detroit, Mich.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Walker C. L. & Co. ("Walker's" & "Quick & Easy"), 656 W 12th, Erie, Pa.
Williams A. C. Co., Ravenna, O.
Wrightsville Hardware Co., Wrightsville, Pa.

### 13399—Shavers (Smoked Beef)

Blakeslee G. S. & Co. ("Blakeslee"), W 19th & S 52d av, Chicago, Ill.
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.

### Shaves (Heel & Edge)

See Knives, Shoe

### 13400— Shaves (Spoke)

Bagshaw & Field, 445 N 5th, Phila., Pa.
Boker Cutlery & Hardware Co., Inc. (Imported), 101 Duane, New York
Buckeye Mfg. & Foundry Co. (1 & 2 Knife), 2046 W 55th, Cleveland, O.
Chapin-Stephens Co., Pine Meadow, Conn.
Cincinnati Tool Co. ("Hargrave"), Norwood, Cincinnati, O.
*See adv index at end of book*
Goodell-Pratt Co., Greenfield, Mass.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Millers Falls Co., 28 Warren, New York
Osborne C. S. & Co. (Harnesss Makers, etc), Box 183, Newark, N. J.
*See adv index at end of book*
Sargent & Co. (Iron & Wood), New Haven, Conn.
Smith, Seymour & Son (Iron), Oakville, Conn.
Stanley Rule & Level Co. ("Bailey"), New Britain, Conn.
White L. & I. J. Co. (Adjustable, etc), 120 Columbia, Buffalo, N. Y.
Wood A. A. & Sons Co., Atlanta, Ga.

### 13401— Shavings (Baled)

Becker & Moore (White Pine), No Tonawanola, N. Y.
Davies Frederick G., North Tonawanda, N. Y.
Des Rivieres Geo. R., 5444 S Mich., Chicago, Ill.
**NATIONAL SAWDUST CO.** (All kinds), 102 N 1st, Brooklyn, N. Y.
Page Geo. G. Box Co., Cambridge, Mass.
Smith Oscar & Son ("Pioneer"), Albany, N. Y.
Wilson Lumber & Box Co., Tonawanda, N. Y.

### 13402—Shavings Collecting Systems

See also Dust Collectors, Mechanical

Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, O.
Dixie Mfg. Co., Russel & B. & O. R. R., Baltimore, Md.
Goethel Alfred C. Co., 301-303 Fourth, Milwaukee, Wis.
Hartford Blower Co., Hartford, Conn.
Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, O.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
Shreveport Blow Pipe & Sheet Iron Works, (Ltd.), Shreveport, La.

### 13403— Shavings (Cork)

Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.

### 13404— Shavings (Vinegar & Brewers')

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Kelso & Co. (Clarifying), 557 W Quincy, Chicago, Ill.
Redlich Mfg. Co., 637 to 647 W Oak, Chicago, Ill. *See adv index at end of book*

### 13405-6— Shavings (Zinc)

American Zinc Products Co., Greencastle, Ind.
Ball Brothers Glass Mfg. Company, Muncie, Ind.
Braun Corporation, 363 New High, Los Angeles, Cal.
Calkins Co., Los Angeles, Cal.
Denver Fire Clay Co., Denver, Colo.
Pacific Tank & Pipe Co. (For Gold, Silver Precipitation), 318 Market, San Francisco, Cal.

### Shears

Under this Heading see Sub-classifications; see also Machinery, Punches & Shearing; also Punches, Various Kinds

### 13407-8— Shears (Alligator)

Canton Foundry & Machine Co. ("Canton"), Canton, O.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Danville Iron & Steel Co. ("Little Giant" Portable), Danville, Pa.
Doelger & Kirsten, 507 Cedar, Milwaukee, Wis.
Evans John Sons, 506 N 13th, Philadelphia, Pa.
Excelsior Tool & Machine Co., 32d & Ridge, East St. Louis, Ill.
Farrel Foundry & Machine Co., Ansonia, Conn.
Hendley & Whittmore Co. ("Beloit"), Beloit, Wis.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Morgan Engineering Co., Alliance, O.
*See adv index at end of book*

SHEARS (ALLIGATOR)—continued

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*


SHEARS

All Types and Sizes

(Write for Bulletin S)

MESTA MACHINE COMPANY

Pittsburgh, Pa., U. S. A.


**Philadelphia Roll & Machine Co. (For Scrap & Old Boiler Shells), 25th & Washington av, Philadelphia, Pa.**

Rock River Machine Co. ("Badger" Belt Driven), Janesville, Wis.

Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

United Eng'ng & Foundry Co., Keenan bldg., Pittsburgh, Pa.

United Roll & Foundry Co., Ravenna, O.

Vulcan Engineering Sales Co. ("Vulcan"), 1764 Elston av, Chicago, Ill.

**Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.**

Youngstown Foundry & Machine Co., Youngstown, O.

## 13409-10—Shears (Angle Iron)

Alliance Machine Co., Alliance, O.

Badger State Machine Co., Janesville, Wis.

Bertsch & Co., Cambridge City, Ind.

Braun J. G., 609 S Paulina, Chicago, Ill.

Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio

**Cleveland Punch & Shear Works Co., 3921 St Clair av N E, Cleveland, O.**

Covington Machine Co. ("C. C. Wais Patent"), Covington, Va.

Excelsior Tool & Machine Co., 32d & Ridge, East St. Louis, Ill.

Hilles & Jones Co., East Wilmington, Del. *See adv index at end of book*

Long & Allstatter Co. (Steam, Belt or Motor Driven, Double or Single Geared & on Turntable), Hamilton, O.

Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.

National Roll & Foundry Co., Avonmore, Pa.

New Doty Mfg. Co., Janesville, Wis.

**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*

Niles-Bement-Pond Co., 111 B'way, New York

Perkins Machine Co., Warren, Mass.

Rock River Machine Co. ("Badger"), Janesville, Wis.

Royersford Foundry & Machine Co., Royersford, Pa.

Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

Schatz Mfg. Co., Poughkeepsie, N. Y.

Southwark Fndy. & Mach. Co., 430 Wash. av, Phila., Pa.

Stoll D. H. Co., Buffalo, N. Y.

Toledo Machine & Tool Co. ("Toledo"), Toledo, O.

Thomas Spacing Machine Co., Fulton bldg, Pittsburgh, Pa.

United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.

**Watson-Stillman Co. (Hydraulic), 38 Church, New York** *See adv index at end of book*

Whiting Geo. Co., 1719 Elston av, Chicago, Ill.

Wickes Bros., Saginaw, Mich.

Williams White & Co., Moline, Ill.

Wood R. D. & Co., 400 Chestnut, Phila., Pa.

Young Machine & Tool Co., Worcester, Mass.

## 13411—Shears (Bar & Plate)

Alliance Machine Co., Alliance, O.

Badger State Machine Co., Janesville, Wis.

Braun J. G., 609 S Paulina, Chicago, Ill.

Buffalo Forge Co. (Hand & Power), Buffalo, N. Y.

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio

**Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, Ohio**

Covington Machine Co. ("C. C. Wais Patent"), Covington, Va.

**Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.**

Herbert Alfred, Ltd., 54 Dey st, New York *See adv index at end of book*

**HILLES & JONES CO., East Wilmington, Del.** *See adv index at end of book*

Ironton Punch & Shear Co., Ironton, O.

Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.

Long & Allstatter Co. (Bar Iron, Steam, Belt or Motor Driven), Hamilton, O.

McSherry Mfg. Co. (Power Bar), Pittsburgh, Pa.

Mackintosh Hemphill Co., ft of 12th, Pittsburgh, Pa.

Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.

Merwin Mfg. Co., Erie, Pa.

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

**MORGAN ENGINEERING CO., Alliance, Ohio** *See adv index at end of book*

National Roll & Foundry Co., Avonmore, Pa.

Newbold R. S. & Son Co., Norristown, Pa.

New Doty Mfg. Co., Janesville, Wis.

Phillips & McLaren, 24th & Smallman, Pittsburgh, Pa.

Rock River Machine Co. ("Badger" Bar & Round Iron), Janesville, Wis.

Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

Schatz Mfg. Co., Poughkeepsie, N. Y.

Tucker W. B. & C. F. ("Hercules," "Leviathan"), 516 Asylum, Hartford, Conn.

United Engineering & F'dry Co., Keenan bldg, Pittsburgh, Pa.

United Roll & Foundry Co., Ravenna, O.

Whiting Geo. Co., 1719 Elston av, Chicago, Ill.

Wickes Bros., Saginaw, Mich.

Williams White & Co., Moline, Ill.

Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

Young Machine & Tool Co., Worcester, Mass.

Youngstown Foundry & Machine Co., Youngstown, O.

## 13412—Shears (Beam & Channel)

See also Shears, Angle Iron

Bethlehem Steel Co. (Hydraulic), South Bethlehem, Pa.

Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio

Herbert Alfred, Ltd., 54 Dey st, New York *See adv index at end of book*

**Pels Henry & Co. (Imp Unbreakable Rolled Steel Frame; Open & Closed Throat Types), West & Albany, New York**

Schatz Mfg. Co., Poughkeepsie, N. Y.

## 13413— Shears (Bench)

**Badger State Machine Co., Janesville, Wis.**

Bartlett Mfg. Co., 43 E Lafayette av, Detroit, Mich. *See adv index at end of book*

**Braun J. G., 609 S Paulina, Chicago, Ill.**

**Chandler & Farquhar Co. ("Federal"), 36 Federal, Boston, Mass.**

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio

**Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.**

Goodell-Pratt Co., Greenfield, Mass.

Hinman D. A. & Co. ("Hinman"), Sandwich, Ill.

Merwin Mfg. Co. ("Vulcan", Shear & Rod Cutter), Erie, Pa.

**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*

Oliver W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.

**Pels Henry & Co. (Imp Unbreakable Rolled Steel Frame), West & Albany, New York**

Rock River Machine Co., Janesville, Wis.

Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

Schatz Mfg. Co., Poughkeepsie, N. Y.

Stoll D. H. Co., Buffalo, N. Y.

Viking Shear Co. ("Viking" Portable), Erie, Pa.

## 13414— Shears (Beveling)

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio

Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.

**HILLES & JONES CO., East Wilmington, Del.** *See adv index at end of book*

Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.

**Lennox Machine Co. (Rotary), 2558 W 16th, Chicago, Ill.**

New Doty Mfg. Co., Janesville, Wis.

**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*

Niles-Bement-Pond Co., 111 B'way, New York

**Perkins Machine Co. (Plate Beveling), Warren, Mass.**

Rock River Machine Co. ("Badger"), Janesville, Wis.

Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

Schatz Mfg. Co., Poughkeepsie, N. Y.

Stoll D. H. Co., Buffalo, N. Y.

United Engineering & Foundry Co. (For Rolling Mills), Keenan bldg, Pittsburgh, Pa.

## 13415—Shears (Billet & Bloom)

Alliance Machine Co., Alliance, O.

Bethlehem Steel Co., South Bethlehem, Pa.

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio

Cleveland Punch & Shear Works Co., 3921 St. Clair av N. E, Cleveland, O.

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.

**HILLES & JONES CO., East Wilmington, Del.** *See adv index at end of book*

Long & Allstatter Co., Hamilton, O.

Mackintosh, Hemphill Co. (Hydraulic, etc), ft of 12th, Pittsburgh, Pa.

Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

Morgan Construction Co., ("Edwards Flying Shear"), Worcester, Mass. New York

**MORGAN ENGINEERING CO., (Duplex, Hydraulic & Electric), Alliance, O.** *See adv index at end of book*

National Roll & Foundry Co., Avonmore, Pa.

New-Doty Mfg. Co. (Heavy Motor Driven), Janesville, Wis.

Phillips & McLaren, 24th & Smallman, Pittsburgh, Pa.

Rock River Machine Co. ("Badger"), Janesville, Wis.

Schatz Mfg. Co., Poughkeepsie, N. Y.

United Engineering & F'dry Co., Keenan bldg, Pittsburgh, Pa.

United Roll & Foundry Co., Ravenna, O.

Williams, White & Co., Moline, Ill.

Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

## 13416—Shears (Brushmakers')

**Stortz John & Son, 210 Vine, Phila., Pa.**

## 13417— Shears (Circle)

**BLISS E. W. CO., 19 Adams, B'klyn, New York** *See adv index at end of book*

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio

Fuller Otis L. Co. ("Rapid"), Goshen, Ind.

**NIAGARA MACHINE & TOOL WKS.,** Buffalo, N. Y. *See adv index at end of book*

Ohl Geo. A. Co., 159 Oraton, Newark, N. J.

Newbold R. S. & Son Co., Norristown, Pa.

Peck, Stow & Wilcox Co., Southington, Conn.

Perkins Machine Co. (Metal), Warren, Mass.

Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

**Schatz Mfg. Co., Poughkeepsie, N. Y.**

Stoll D. H. Co., Buffalo, N. Y.

Thomas Mach. Co. ("Waugh"), Elmira, N. Y.

Toledo Machine & Tool Co. ("Toledo"), Toledo, O.

**Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.**

## 13418-9— Shears (Clipping)

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio

United Engineering & Foundry Co. (For Rolling Mills), Keenan bldg, Pittsburgh, Pa.

## Shears (Crocodile)

See Shears, Alligator

## 13420-1—Shears (Double Plate & Sheet Mill)

Aetna Foundry & Machine Co. (For Sheet Mill, Tin Plate & Plates up to ½ in.), Warren, O.
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Lewis Foundry & Machine Co., Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
National Roll & Foundry Co., Avonmore, Pa.
United Engineering & F'dry Co., Keenan bldg, Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, O.
Wheeling Mold & Fdry. Co., Wheeling, W. Va.

## 13422— *Shears for Heavy Boiler Plates, Etc.

**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*

## 13423— Shears for Sheet Metal Work

**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Braun J. G., 609 S Paulina, Chicago, Ill.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Tucker W. B. & C. F. ("Hercules," "Leviathan"), 516 Asylum, Hartford, Conn.

## 13424— Shears (Gap)

Bethlehem Steel Co., South Bethlehem, Pa.
**BLISS E. W. CO.**, 19 Adams, Brooklyn, New York *See adv index at end of book*
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
**NIAGARA MACHINE & TOOL WORKS** (Power), Buffalo, N. Y. *See adv index at end of book*
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
United Roll & Foundry Co., Ravenna, O.

## 13425—Shears (Gate or Guillotine)

Alliance Machine Co., Alliance, O.
Bertsch & Co., Cambridge, Ind.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Covington Machine Co. (Gate), Covington, Va.
Danville Iron & Steel Co., Danville, Pa.
Danville Foundry & Machine Co., Danville, Pa.
Farrel Foundry & Machine Co. (Gate & Alligator), Ansonia, Conn.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co. (Gate Only), Ironton, O.
Long & Allstatter Co. (Gate Shears, Motor, Belt or Steam Driven & Double or Single Geared), Hamilton, O.
Rock River Machine Co. ("Badger" Bar & Billet), Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Southwark Fdry. & Mach. Co. (Gate), 343 S Dearborn, Chicago, Ill.
Thomas Spacing Machine Co. (Gate), Fulton bldg, Pittsburgh, Pa.
United Engineering & F'dry Co., Keenan bldg, Pittsburgh, Pa.
Vulcan Engineering Sales Co. ("Vulcan"), 1764 Elston av, Chicago, Ill.
Williams, White & Co. (Gate), Moline, Ill.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 13426—Shears (Gauge Table)

Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, O.
Hickok W. O. Mfg. Co., Harrisburg, Pa.

## 13427— Shears (Grape)

Clauss Shear Co., Fremont, O.
Clyde Cutlery Co., Clyde, O.
Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y. *See adv index at end of book*

## Shears (Grass)

Bartlett Mfg. Co., 40 Lafayette E, Detroit, Mich.
Bertsch & Co., Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Champion Blower & Forge Co. ("Champion," for Blacksmiths, etc), Lancaster, Pa.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Disston Hy. & Sons, Tacony, Phila., Pa.
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Hinman D. A. & Co. (For Sheet Metal), Sandwich, Ill.
Kane & Roach, Syracuse, N. Y.
Lewthaite T. H. Machine Co., 413 E 31st, New York
Little Giant Punch & Shear Co. ("Little Giant" Bench), Sparta, Ill.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS** (For Sheet Metal), Buffalo, N. Y. *See adv index at end of book*
Pels Henry & Co. (Imp Unbreakable Rolled Steel Frame), West & Albany, New York
Perkins Machine Co. (Metal), Warren, Mass.
Quinn Wire & Iron Works ("Simplex" for Blacksmiths), Boone, Ia.
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Simonsen Iron Works, Sioux Rapids, Ia.
Smith & Egge Mfg. Co. ("Eureka"), for Cutting Wire, Rods & Strip Metal), Bridgeport, Conn.
Stoll D. H. Co., Buffalo, N. Y.
Tucker W. B. & C. F. ("Hercules," "Leviathan" for Sheet, Bar and Rod), 516 Asylum, Hartford, Conn.
Whitney Metal Tool Co. ("Viking"), Rockford, Ill.
Young Machine & Tool Co., Worcester, Mass.

## Shears (Hoof)

See Parers, Hoof

## 13430—Shears (Horse Clipping)

Boker Cutlery & Hardware Co., 101 Duane, New York
Clauss Shear Co. ("Clauss"), Fremont, O.
Columbian Cutlery Co. ("Columbia"), Reading, Pa.
National Cutlery Co. ("National" Roaching), Westmoreland & Boudinot, Phila., Pa.
Wiss J. & Sons Co., 31 Littleton av, Newark, N. J.

## 13431— Shears (Hydraulic)

Alliance Machine Co., Alliance, O.
Bertsch & Co., Cambridge City, Ind.
Bethlehem Steel Co., South Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., N Birdsboro, Pa.
Mackintosh, Hemphill Co. (Plate, Bloom, etc), ft of 12th, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*
Morgan Construction Co., Worcester, Mass.
**MORGAN ENGINEERING CO.**, Alliance, O. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
**United Engineering & Foundry Co.** (For Tin, Bar, Bloom, Slab, etc), Keenan bldg, Pittsburgh, Pa.
**WATSON-STILLMAN CO.**, 38 Church, New York *See adv index at end of book*
Wood R. D. & Co. (Multiple Power Plate Shear), 400 Chestnut, Philadelphia, Pa.
Wood Wm. H., Media, Pa.

## 13432— Shears (Index)

Hickok W. O. Mfg. Co., Harrisburg, Pa.

## Shears (Lawn)

See Shears, Sheep, Grass & Hedge

## 13433-4— Shears (Lever)

Badger State Machine Co., Janesville, Wis.
Bartlett Mfg. Co. ("Searchlight," Compound Lever Mechanics'), 40 Lafayette, Detroit, Mich.
Bertsch & Co., Cambridge City, Ind.
Birmingham Iron Foundry, Derby, Conn.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Edwards C. D., Albert Lea, Minn.
Excelsior Tool & Machine Co., 32d & Ridge, East St. Louis, Ill.
Farrel Fdry. & Mach. Co., Ansonia, Conn.
Garrison A. Foundry Co. ("Alligator," Heavy), 901 Bingham, Pittsburgh, Pa.
Heartley Machine Variety Iron & Tool Works (Hand Lever), 900 Summit, Toledo, O.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Klemm E. R., 1453 Austin av, Chicago, Ill.
Lewthwaite T. H. Machine Co., 413 E 31st, New York
McSherry Mfg. Co., Pittsburgh, Pa.
Merwin Mfg. Co. ("Vulcan"), Erie, Pa.
Mesta Machine Co. (For Cutting Scrap, Rails, etc), Box 1124, Pittsburgh, Pa. *See adv index at end of book*
New Doty Mfg. Co., Janesville, Wis.
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y. *See adv index at end of book*
Pawtucket Mfg. Co., Pawtucket, R. I.
Peck, Stow & Wilcox Co., Southington, Conn.
Pels Henry & Co. (Imp. Unbreakable Rolled Steel Frame), West & Albany, New York
Pittsburgh Iron Works Co., 2170 Bedford av, Pittsburgh, Pa.
Robinson J. M. Mfg. Co. (Slitting), 3282 Spring Grove av, Cincinnati, O.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Stoll D. H. Co., Buffalo, N. Y.
Tucker W. B. & C. F. ("Hercules," "Leviathan" for Sheet, Bar & Rod), 516 Asylum, Hartford, Conn.
United Engineering & Foundry Co. (For Rolling Mills), Keenan bldg, Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Williams, White & Co., Moline, Ill.
Young Machine & Tool Co., Worcester, Mass.
Youngstown Foundry & Machine Co. ("Pitman," Type), Youngstown, O.

## 13435— Shears (Paper)

Bradley Milton Co., Springfield, Mass.
Claus Shear Co., Fremont, O.
Golding Mfg. Co. (Paper, Cardboard, etc), Franklin, Mass.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 13436—Shears (Paper Box Makers')

Beck Chas. Machine Co., 607 Chestnut, Philadelphia, Pa. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

SHEARS (PAPER BOX MAKERS')—cont.
Jacques Jno. & Son, Worcester, Mass.
Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.

## 13437—Shears (Paper Hangers')

Clauss Shear Co. ("Clauss"), Fremont, O.
National Cutlery Co., Westmoreland & Boudinot, Phila., Pa.
Ridgely Trimmer Co., Springfield, Ohio
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Wiss J. & Sons Co., 31 Littleton av, Newark, N. J.

## Shears (Plate Splitting)

See Shears, Splitting

## Shears (Poultry)

See Scissors, Poultry

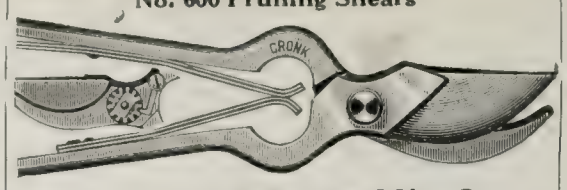
## 13438— Shears (Power)

Alliance Machine Co., Alliance, O.
Badger State Machine Co., Janesville, Wis.
Bertsch & Co., Cambridge City, Ind.
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Excelsior Tool & Machine Co., 32d & Ridge, East St. Louis, Ill.
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Gowanda Agricultural Works (For Cutting Sheet Steel, 20-24 inch), Gowanda, N. Y.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Mackintosh, Hemphill Co. (For Rolling Mills, etc), ft of 12th, Pittsburgh, Pa.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
New Doty Mfg. Co., Janesville, Wis.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
Niles-Bement-Pond Co., 111 B'way, New York
Robinson J. C. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Royersford Foundry & Machine Co., Royersford, Pa.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Standard Machinery Co., Provience, R. I.
Stoll D. H. Co., Buffalo, N. Y.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
**TREADWELL ENGINEERING CO.,** Easton, Pa. *See adv index at end of book*
United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, O.
**WATSON-STILLMAN CO.,** 38 Church, New York *See adv index at end of book*
Williams, White & Co., Moline, Ill.
Young Machine & Tool Co., Worcester, Mass.

## 13439— Shears (Pruning)

Barr Bros. Co. ("Kut-em-slik"), Oakland, Cal.
Bartlett Mfg. Co., 43 Lafayette, Detroit, Mich. *See adv index at end of book*
Boker Cutlery & Hardware Co. ("Trenton"), 101 Duane, New York
Cartwright J. M., Malaga, Cal.
Carver Tool Works ("Carver's"), Spring Valley, N. Y.
Clauss Shear Co. ("Clauss Buckeye"), Fremont, O.
Clyde Cutlery Co. (Hedge, etc, Waters' Pat'n, Draw Cut "Red Clipper," "Buckeye"), Clyde, O.
Craig G. C., Rumney Depot, N. H.
Cronk & Carrier Mfg. Co. ("Fresno"), 150 Lake, Elmira, N. Y. *See adv index at end of book*


**No. 600 Pruning Shears**




**The Cronk & Carrier Mfg. Co.**
**150 Lake Street** **Elmira, N. Y.**


Graef & Schmidt ("Turn Brand" Imp), 107 Chambers, N. Y.
Gray Iron Casting Co., Springfield, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Henry John T. Mfg. Co. (California Pat'n), Hamden, Conn.
Little Giant Mfg. Co., Saugatuck, Mich.
Nagley Mfg. Co. ("Diamond Edge"), Lyons, N. Y.
**PECK, STOW & WILCOX CO.** ("Pexto"), 2172-2232 W 3d, Cleveland, O. *See adv index at end of book*
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Rhodes Mfg. Co. ("Rhodes" Double Cut), Grand Rapids, Mich.
Sayre L. A. Co., 332 Mulberry, Newark, N. J.
Seymour Mfg. Co. (Waters' Pat'n), Seymour, Ind.
Smith, Seymour & Son ("Royal," "Imperial," "Concord," "Granger," "Taylor," "Levin," "California," "Rockdale," "Smith's Ideal," "Oakland," "Redlands," "Standard," "Telephone"), Oakville, Conn.
Wiss J. & Sons Co. (Solid Steel), 31 Littleton av, Newark, N. J.

## 13440— Shears (Rotary)

Bethlehem Fdry. & Mach. Co., S Bethlehem, Pa.
**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Ham L. M. & Co., 158 Portland, Boston, Mass.
Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, O.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Lennox Machine Co. (Beveling & Splitting), 2558 W 16th, Chicago, Ill.
McSherry Mfg. Co., Pittsburgh, Pa.
McWilliams Thomas, 237 Eddy, Providence, R. I.
Michigan Press Co., Ypsilanti, Mich.
Morgan Construction Co., Worcester, Mass.
Newbold R. S. & Son Co., Norristown, Pa.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo N. Y. *See adv index at end of book*
Ohl Geo. A. & Co. (Slitting), 159 Oraton, Newark, N. J.
Perkins Machine Co., Warren, Mass.
Quickwork Co. ("Quickwork"), St. Mary's, Ohio
Rock River Machine Co. ("Badger"), Janesville, Wis.
Ryerson Jos. T. & Son ("Lennox"), 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Standard Machinery Co., Providence, R. I.
Stoll D. H. Co., Buffalo, N. Y.
Thomas Mach. Co. ("Waugh"), Elmira, N. Y.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Wagner C. DeWitt, Cedar Rapids, Ia.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.

## 13441—Shears (Rotary Circle)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Perkins Machine Co., Warren, Mass.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Thomas Mach. Co. ("Waugh"), Elmira, N. Y.
Waterbury Farrel Fdry & Mach. Co., Waterbury, Conn.

## 13442—Shears (Rotary, Pipe Cutting)

Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Ryerson Jos. T. & Son ("Lennox" Rotary Throat), 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Newbold R. S. & Son Co., Norristown, Pa. *See adv index at end of book*
United Eng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.

## 13443—Shears (Rotary Slitting)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Lennox Machine Co., 2558 W 16th, Chicago, Ill.
Loy & Nawrath Co. (Foot & Belt Power), 25 Runyon, Newark, N. J.
**NIAGARA MACHINE & TOOL W'KS,** Buffalo, N. Y. *See adv index at end of book*
Ohl Geo. A. & Co., 159 Oraton, Newark, N. J.
Rock River Machine Co., Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
Wagner C. DeWitt, Cedar Rapids, Ia.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Whelan D. J. (Est. of) ("Capitol"), Troy, N. Y.

## 13444— Shears (Scrap)

Canton Foundry & Machine Co. ("Canton"), Canton, O.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Danville Iron & Steel Co. ("Little Giant" Portable Aligator), Danville, Pa.
Doelger & Kirsten, 507 Cedar, Milwaukee, Wis.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
**HILLES & JONES CO.,** East Wilmington, Del. *See adv index at end of book*
Mackintosh, Hemphill Co. (Motor Driven Plate), ft. of 12th, Pittsburgh, Pa.
Massillon Foundry & Machine Co. ("Massillon"), Massillon, O.
Mesta Mach. Co. (Lever, etc.), Box 1124, Pittsburgh, Pa. *See adv index at end of book*
**NIAGARA MACHINE & TOOL W'KS,** (For Light Scrap), Buffalo, N. Y. *See adv index at end of book*
Rock River Machine Co. ("Badger" Lever Rolling Mill, etc), Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, Ohio

## 13445— *Shears (Scroll)

**NIAGARA MACHINE & TOOL W'KS,** Buffalo, N. Y. *See adv index at end of book*

## 13446—Shears (Sheep, Grass & Hedge)

Bartlett Mfg. Co., 43 E Lafayette av, Detroit, Mich. *See adv index at end of book*
Boker Cutlery & Hardware Co. ("Trenton"), 101 Duane, New York
Columbian Cutlery Co. ("Columbia"), Reading, Pa.
Cronk & Carrier Mfg. Co. (Grass & Hedge Only), 150 Lake, Elmira, N. Y. *See adv index at end of book*
Dunn Edge Tool Co. ("Lightning" Grass & Hedge), Oakland, Me.
Gay Geo. E. ("Uncle Sam"), Augusta Me.

Gowanda Agricultural Works (Dog or Sheep), Gowanda, N. Y.
Heimerdinger W. C. (Grass, Sheep or Horse), Louisville, Ky.
Keiser Mfg. Co., Reading, Pa.
Klaas Max ("Crane Brand" Sheep Imp.), 108 Fulton, New York
McCoy Jos. F. Co. (Agts. "Holdfast" Hedge), 157 Chambers, New York
Wiebusch & Hilger ("Winkinson Sheffield, England Imp."), 106 Lafayette, New York

## 13447—Shears (Shoe Trimming)

Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.

## 13448— Shears (Slitting)

Badger State Machine Co., Janesville, Wis.
Bertsch & Co., Cambridge City, Ind.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Buffalo Forge Co. (Hand & Power), Buffalo, N. Y.
Cleveland Knife & Forge Co., 1960 W 114th, Cleveland, Ohio
*See adv index at end of book*
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Fuller Otis L. Co. ("Rapid"), Goshen, Ind.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hendley & Whittemore Co. ("Beloit" Single & Double Back Geared, Lever, etc), Beloit, Wis.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Keene Geo. C. & Co., 2327 Florence av, Cincinnati, O.
Kidder J. F. Mfg. Co. ("Little Blacksmith"), Burlington, Vt.
Kling Bros. Engineering Works, 1304 Kingsbury, Chicago, Ill.
Mersick C. S. & Co. (Compound Lever & Pinion), New Haven, Conn.
Michigan Press Co. (Gang Slitters), Ypsilanti, Mich.
**NIAGARA MACHINE & TOOL WORKS** (Hand Slitting), Buffalo, N. Y.
*See adv index at end of book*
Ohl Geo. A. & Co., 159 Oraton (Also Rotary Slitting), Newark, N. J.
Pawtucket Mfg. Co. (30 & 52 inch), Pawtucket, R. I.
Perkins Machine Co., Warren, Mass.
St. Louis Machine Tool Co., 922 Loughborough, St. Louis, Mo.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Stoll D. H. Co., Buffalo, N. Y.
United Engineering & Foundry Co., 307 5th av, Pittsburgh, Pa.
Wheeler W. A. ("Handy" Hand Power), Indianapolis, Ind.
Whelan D. J. (Est. of) ("Capital" Rotary), Troy, N. Y.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.

## 13449— Shears (Splitting)

Alliance Machine Co., Alliance, O.
Badger State Machine Co., Janesville, Wis.
Bertsch & Co. ("Universal"), Cambridge City, Ind.
Braun J. G., 609 S Paulina, Chicago, Ill.
Cincinnati Iron & Steel Co. ("Cisco"), Cincinnati, O.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Excelsior Tool & Machine Co., 32d & Ridge, E St. Louis, Ill.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Hendley & Whitmore Co. (Hand Power), Beloit, Wis.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Kling Bros. Engineering Works, 1300 N Kostner av, Chicago, Ill.
Little Giant Punch & Shear Co., Sparta, Ill.
Long & Allstatter Co. (Steam, Belt or Motor Driven), Hamilton, O.
New Doty Mfg. Co. (Hand & Power), Janesville, Wis.
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y. *See adv index at end of book*
Pels Henry & Co. (Imp. Unbreakable Rolled Steel Frame), West & Albany, New York
Rock River Machine Co. ("Badger," Steel Splitting, Hand or Belt Power), Janesville, Wis.
Ryerson Jos. T. & Son ("Lennox" Rotary), 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Schatz Mfg. Co., Poughkeepsie, N. Y.
Stoll D. H. Co., Buffalo, N. Y.
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.
Wagner C. De Witt, Cedar Rapids, Ia.
Williams White & Co., Moline, Ill.
Wood R. D. & Co. (Hydraulic), 400 Chestnut, Phila., Pa.

## 13450— Shears (Squaring)

Aetna Foundry & Machine Co. (For Tin & Sheet Mills), Warren, O.
**AMS MAX MACHINE CO.** (Can Makers, etc), 101 Park av, New York
Bertsch & Co. (Combined Multiple Punch & Shear), Cambridge, Ind.
**BLISS E. W. CO.**, 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Canton Foundry & Machine Co. ("Universal"), Canton, Ohio
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio
Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Ewert & Kutscheid Mfg. Co. (Peerless") 921 W 49th pl, Chicago, Ill.
Excelsior Tool & Machine Co. ("Excelsior" Double Geared), 32d & Ridge, E St. Louis, Ill.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
Hibbard Wm. H. Mfg. Co., 79 Washington, Brooklyn, N. Y.
**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
Loy & Nawrath Co. (Foot & Belt Power), 25 Runyon, Newark, N. J.
McSherry Mfg. Co. (Power), Pittsburgh, Pa.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Michigan Press Co. ("Michigan"), Ypsilanti, Mich.
**MORGAN ENGINEERING CO.**, Alliance, Ohio *See adv index at end of book*
National Roll & Foundry Co., Avonmore, Pa.
New Doty Mfg. Co., Janesville, Wis.
**NIAGARA MACHINE & TOOL WORKS** (Power & Foot Power), Buffalo, N. Y.
*See adv index at end of book*
Ohl Geo. A. & Co. (Heavy & Light), 159 Oraton, Newark, N. J.
Peck, Stow & Wilcox Co. (For Sheet Metal), Southington, Conn.
Perkins Machine Co. (Metal Squaring & Circle), Warren, Mass.
Robinson J. M. Mfg. Co., 3282 Spring Grove av, Cincinnati, O.
Rock River Machine Co. ("Badger"), Janesville, Wis.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Simmons Machine Co., Inc., 987 Broadway, Albany, N. Y.
Stoll D. H. Co., Buffalo, N. Y.
Toledo Machine & Tool Co. ("Toledo"), Toledo, O.
United Engineering & Foundry Co. (For Tin Plate & Rolling Mills), Keenan bldg, Pittsburgh, Pa.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.
Wheeling Mold & Fdry. Co., Wheeling, W. Va.
Whiting Geo. Co., 1719 Elston av, Chicago, Ill.
Young Machine & Tool Co., Worcester, Mass.

## 13451—*Shears (Steam Hydraulic)

Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*

## Shears (Tinners')

See Snips, Tinners'

## 13452— Shears (Tobacco)

Black John B. Co. ("Brady's"), Chester, Pa.
Nagley Mfg. Co. (Cutting Tobacco in the Field), Lyons, N. Y.

## 13453— Shears (Vertical)

**HILLES & JONES CO.**, East Wilmington, Del. *See adv index at end of book*
Ironton Punch & Shear Co., Ironton, O.
National Machinery Co., Tiffin, O.
Pawtucket Mfg. Co., Pawtucket, R. I.
Rock River Machine Co., Janesville, Wis.
United Engineering & Foundry Co. (For Rolling Mills), Keenan bldg, Pittsburgh, Pa.

## 13454—Shears (Wire, Rod, Etc.)

Smith & Egge Mfg. Co. ("Eureka"), Bridgeport, Conn., & 62 Reade, New York
United Roll & Foundry Co., Ravenna, Ohio

## Shears & Punches (Combined)

See Punching & Shearing Machines, Combined; also Punch & Shear Combined, Hand Power

## 13455— Shears & Scissors

Acme Shear Co. ("Acme" Bankers, Barbers, Ladies, Pocket, Cigar Cutter, Buttonhole, Tailors, Trimmers, Manicure & Nail, Folding Grape Shears, Fruit Pickers; also "Americut" Forged Steel Scissors & Shears, etc), Bridgeport, Conn.
Ansonia Novelty Co. (Cast) Ansonia, Conn.
Atlas Shear Co. ("Alvord"), Bridgeport, Conn.
Bens Wm. Co. (Silver Mounted), 7 Beverly, Providence, R. I.
Berridge Shear Co. (High Grade Steel Laid), Sturgis, Mich.
Boker Cutlery & Hardware Co., Inc. ("Tree Brand" Imported), 101 Duane, New York
Case W. R. & Sons Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
Clark Bros. Cutlery Co. ("Babcock" Patent Shears), Kansas City, Mo.
Clauss Shear Co., Fremont, O.
Clayton Mfg. Co. (Cast & Steel), Bristol, Conn.
Codding & Heilborn Co. (Silver Mounted), North Attleboro, Mass.
Compton W. H. Shear Co. ("Reliance"), 314 Camden, Newark, N. J.
Conway John J. Co., Bridgeport, Conn.
Emrich Phil ("Emrich," Tailors' Shears, etc), 824 Main, Cincinnati, O.
Foster Theo. W. & Bro. Co. (Silver), 100 Richmond, Providence, R. I.
Geneva Cutlery Co. (Solid Steel Shears), Geneva, N. Y.
Graef & Schmidt ("Twin Brand" Imported), 107 Chambers, New York
Hollinger Cutlery Co. ("International Cutlery"), Fremont, O.
Jackson Shear Co. (Shears Only), Fremont, O.
Kastor Adolph & Bros. ("W. H. Morley & Sons," Imported), 109 Duane, New York
Klaas Max ("Crane Brand" Imported), 108 Fulton, New York
Koch, F. A. & Co., 524 B'way, New York
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Lenox Shear Co., Brookfield, Conn.
Meriden Cutlery Co. (Game Only), Meriden, Conn.
National Cutlery Co. (Buttonhole), Westmoreland & Boudinot, Phila., Pa.
Novelty Cutlery Co. (Folding Scissors), Canton, O.
Perfection Shear Co., Bridgeport, Conn.
Robeson Cutlery Co., Rochester, N. Y.
Spaulding D. S. (Silver Mounted), Mansfield, Mass.
Sperry & Alexander Co. ("Centaur"), 79 Chambers, New York
Ulery U. J. Co. ("Clauss"), 258 Broadway, New York
Wallace R. & Sons' Mfg. Co. (Buttonhole, Embroidery, Folding, Ladies', Manicure, Pocket), Wallingford, Conn.

SHEARS & SCISSORS—continued

**Wiebush & Hilger (Bent, Buttonhole, Embroidery, Pocket, etc, Imp. "Seymour," "Madison," "Hamilton"), 106 Lafayette, New York**
Willsden S. Blake, Heyworth bldg, Chicago, Ill.
Winchester Repeating Arms Co. ("Winchester" Bankers, Barbers, Ladies, Embroidery, Buttonhole, Nail, Pocket, etc), New Haven, Conn.
**Wiss J. Sons Co., 31 Littleton av, Newark, N. J.**
Witte Alexis Cutlery Co., 36 Erasmus, Brooklyn, N. Y.

## 13456—Sheathing (Yellow Metal)

**Taunton-New Bedford Copper Co., Taunton, Mass.**

## 13457—Sheave or Pulley Filling (Rubber)

Goodrich B. F. Co., Akron, O.
New York Belting & Packing Co., 91 Chambers, New York
U. S. Rubber Co., 1790 Broadway, New York

## 13458—Sheave Wheels & Frames

**Fuller-Lehigh Co., Fullerton, Pa.**
*See adv index at end of book*
Holmes, Robert & Bros. (All Cast Iron Sheave Wheels, Bicycle Type Sheave Wheels, Plain Turned Groove Bicycle Type Sheave Wheels, Steel Lined Groove), Danville, Ill.
*See adv index at end of book*
Macomber & Whyte Rope Co. ("Mac Whyte"), Kenosha, Wis.
Milholland J. & J. B. Co. (Rubber Lined), 714 5th av, Pittsburgh, Pa.
**Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.**

## 13459— Sheaves (Chain)

**Poole Engineering & Machine Co. (For Marine Railways), Woodberry sta Baltimore, Md.**

## 13460— Sheaves (Door)

**Corbin Cabinet Lock Co. (Cast Brass Sliding Door Sheave & Rail), New Britain, Conn.**
**Harris & Reed (Ball Bearing), 1500 W 15th, Chicago, Ill.**
**Nicol & Co., 218 N Jefferson, Chicago, Ill.**
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
**Russell & Erwin Mfg. Co., New Britain, Conn.**
Sargent & Co., New Haven, Conn.

## 13461—Sheaves (Guide, for Conveyor Belts)

**Wolf Co., Chambersburg, Pa.**

## Sheaves (Pulley)

See Pulleys, Grooved

## 13462—Sheaves (Show Case)

Harris & Reed, 1500 W 15th, Chicago, Ill.
**Johnston & Sharp Mfg. Co. (Ball Bearing), Ottumwa, Ia.**
**Weber-Knapp Co., Jamestown, N. Y.**

## 13463— Sheaves (Shutter)

Reading Hardware Co., Reading, Pa.
**Russell & Erwin Mfg. Co., New Britain, Conn.**
Sargent & Co., New Haven, Conn.

## 13464—Sheaves (Tackle Block)

See also Blocks, Tackle

**Allis-Chalmers Mfg. Co., Milwaukee, Wis.**
**Boston & Lockport Block Co. ("Star"), 100 Condor, E Boston, Mass.**
**Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.**
*See adv index at end of book*
**Channon Jas. H. Mfg. Co. (Grey Iron), 227 W Erie, Chicago, Ill.**
Cincinnati Machy. Exchange, 324 E 2nd, Cincinnati, O.
**Cleveland Block Co., 1173 W 11th, Cleveland, O.**
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
**Dubuar C. L. Lumber Co., Northville, Mich.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.
**Gillie Machine Co., Tonawanda, N. Y.**
**Laughlin Thos. Co., Portland, Me.**
Leschen A. & Sons Rope Co., 920 N 1st. St. Louis, Mo.
National Equipment Co., 122 S Michigan, Chicago, Ill.
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**
Pitsburgh Block & Mfg. Co., 818 South av, Pittsburgh, Pa.
**Union Hardware Co., Torrington, Conn.**
Western Block Co., Lockport, N. Y.
Wilcox, Crittenden & Co. Inc., Middletown, Conn. *See adv index at end of book*

## 13464a— *Sheaves (Tower)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 13465—Sheaves (Wire & Manila Rope)

See also Machinery, Power Transmitting

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.**
American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
**Barnard & Leas Mfg. Co., Moline, Ill.**
Bates Machine Co., Joliet, Ill.
Bellwood Mfg. Co. (Rope), Bellwood, Pa.
**Boston Self-Locking Block Co., Waltham, Mass.**
Boston & Lockport Block Co. ("Star," Rope), 100 Condor, E Boston, Mass.
Brown A. & F. Co., 79 Barclay, New York.
Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y.
*See adv index at end of book*
Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
**Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.**
Cherry Tree Machine Co. (Rope), Cherry Tree, Pa.
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Crawford & McCrimmon Co. (Wrought Cast Iron, Iron Spoke, Rope Sheaves Only), Brazil, Ind.
**Cresson-Morris Co., Allegheny & 18th, Phila., Pa.**
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
**DODGE SALES & ENGINEERING CO.** (Rope Drives), Mishawaka, Ind.
Falls Clutch & Machinery Co., Cuyahoga Falls, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Garland M. Co., Bay City, Mich.
Golden's Foundry & Machine Co., Columbus, Ga.
Great Western Mfg. Co., Leavenworth, Kan.
Gustafson Mfg. Co., Chattanooga, Tenn.
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Helmick Foundry & Machine Co. (Chilled Curve Wire Rope Only), Fairmont, W. Va.
Hill Clutch Co., W 65th, Cleveland, O.
Horton John F. (Wire Rope), 157th & 8th av, New York
Insley Mfg. Co. (12 & 14 inch Wire Only), 3500 E St. Clair, Indianapolis, Ind.
**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Lake Shore Engine Works (Bicycle Type, for Head Sheaves, Idlers, etc, up to 12 ft), Marquette, Mich.
Laughlin, Thos., Co., Portland, Me.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Macomber & Whyte Rope Co. ("Mac-Whyte"), Kenosha, Wis.
Marion Mach. Fdry & Supply Co., Marion, Ind.
Marseilles Works of Deere & Co., East Moline, Ill.
Medart Patent Pulley Co., 3500 De Kalb St. Louis, Mo.
**Meese & Gottfried Co., 660 Mission, San Francisco, Cal.**
**Merriman Bros. (Roller & Self-Lubricating, 185 Amory, Boston, Mass.**
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**
Ottumwa Iron Works (For Mines, etc), Ottumwa, Ia.
Penn Seaboard Steel Corp. (Wire), Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
**Pyott Co., 1401 W North av, Chicago, Ill.**
**ROEBLING'S JOHN A. SONS CO.** (Wire Rope), Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.
**Stephens-Adamson Mfg. Co., Aurora, Ill.**
Stine J. C. Co. (Gravity Plane), Tyrone, Pa.
Stine S. B. Osceola Mills, Pa.
Terry & Tench Co, 70 E 45th, New York
Vulcan Iron Works, Wilkes-Barre, Pa.
Walker Mfg. Co., Denver, Colo.
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
Western Block Co., Lockport, N. Y.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co. (Manila Rope), Chambersburg, Pa.

## 13466—Sheaves with Graphite Bronze or Metaline Bronze

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*

## Sheaves (Wood Split)

See Pulleys, Wood Split

## 13467—Sheet Iron (Cold Rolled)

Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 13467a— Sheet Iron Work

Baldwin Brass Works, 407 S Clinton, Chicago, Ill.
Graves & Marshall Co., Dayton, O.
Joubert & Goslin Machine & Foundry Co., Birmingham, Ala.
**Muncie Boiler & Sheet Iron Works (Special), Muncie, Ind.**

## 13468—Sheet Metal Borders & Friezes

Dowman-Dozier Mfg. Co., Atlanta, Ga
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Frand M. J. & Co., Camden, N. J.
**Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.**
Hergert Theo. E., 422 E 53rd, New York
Kelly Wm. J., 446 Adelphi, Brooklyn, N. Y.
Manrow Sheet Metal Works, Goshen, Ind.
Miller & Doing, 60 York, Brooklyn, N. Y.
Milwaukee Corrugating Co., Milwaukee, Wis.
**Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.**
Thoresen Wm., 1916 W North av, Chicago, Ill.

## 13469—Sheet Metal Goods Mfrs.

See also Stamping, Sheet Metal

Bossert Corporation, The, cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
Carpenter L. A. Press Metal Co., Cambridge, Mass.

Dowman-Dozier Mfg. Co., Atlanta, Ga.
**EDWARDS MFG. CO.** (To Order), 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Gerken J. D. Co., Toledo, Ohio
Gordon-Lawless Co., Omaha, Neb.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Jenkinson R. C. & Co., 293 Washington, (By Automatic Machines), Newark, N. J.**
Kirk & Blum Mfg. Co. (Parts, etc), 2850 Spring Grove av, Cincinnati, O.
Litterer Bros. Mfg. Co., 154 Whitney, Chicago, Ill.
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Ludlow-Mfg. Co. (for Railroads), Ludlow, Ky.
Manrow Sheet Metal Works, Goshen, Ind.
National Enameling & Stamping Co., 411 5th av, New York
Ohio Metal Products Co., Dayton, Ohio
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Robertson Bros. Mfg. Co., 5401 S Western av, Chicago, Ill.
*See adv index at end of book*
Special Machinery Co., Bridgeport, Conn.
Turner Hardware & Implement Co. (Light), Modesto, Cal.
Vulcan Sheet Metal & Mfg. Co., 45 Fulton, New York
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*

## 13470—Sheet Metal Statuary

**Frand M. J. & Co., Camden, N. J.**
Friedley-Voshardt Co., 733 S Halsted, Chicago, Ill.
Hergert Theo. E., 422 E 53d, New York
Miller & Doing, 60 York, Brooklyn, N. Y.
Mobile Steel Co., Mobile, Ala.
Mullins Body Corp., 341 Franklin, Salem, O.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Wolverine Metal Products Co. ("Bear Brand"), 8th & Santa Fe av, Los Angeles, Cal.

## 13471— Sheet Metal Work

**ACTIVE SPINNING & SHEET METAL WKS.**, 56 Kinzie, Chicago, Ill.
*See adv index at end of book*
Ahl Frank Z. Sheet Metal Works, Sacramento, Cal.
Atlas Heating & Ventilating Co., 72 Freelon, San Fransisco, Cal.
Blair Thos. P. Sheet Metal Co., San Diego, Cal.
Bossert Corporation, The, cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
Chicago Metal Mfg. Co., 313 S. Clinton, Chicago, Ill.
*See adv index at end of book*

**Chicago Metal Mfg. Co.**
Anything and Everything in Sheet Metal, Tin, Copper, and Sheet Iron in all its Branches
WE MANUFACTURE FOR OTHERS EXCLUSIVELY
313 S. CLINTON ST., CHICAGO.

Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Farwell Cornice Co. (For Buildings), 3955 Southport, Chicago, Ill.
Fischer Wm. G. Stove & Range Co., 326 McFarland, Cincinnati, O.
Furman-Fisher Corp., 32 Church, New York. *See adv index at end of book*
Haas, J. J. Mfg. Co., St. Paul, Minn.
Holzer R. G. (Est. of) (Architectural & Ornamental), New Orleans, La.
La Haye Mfg. Co. (Artistic), 298 11th, San Francisco, Cal.
Manrow Sheet Metal Works, Goshen, Ind.
Martin Iron Wks., 1222 E 28th, Los Angeles, Cal.
Mahon R. C. Co., St. Aubin & E Grd blvd, Detroit. Mich.
**NATIONAL SHEET METAL ROOFING CO.**, 339 Grand, Jersey City, N. J.
*See adv index at end of book*
National Tank & Mfg. Co., 11th & Santa Fe av, Los Angeles, Cal.
Pelician Sheet Metal Wks., Lake Charles, La.
Prospect Boiler Co., New Brunswick, N. J.
Pullman Ventilator & Mfg. Co., York, Pa. *See adv index at end of book*
Smith A. L. Iron Wks., Chelsea, Mass.
Smith of New York Co., 1 Franklin sq., New York

## 13472—*Sheet Metal & Strip Stock Straighteners & Cutters (Automatic)

Kane & Roach, Syracuse, N. Y.
**SHUSTER F. B. CO.**, Cedar Hills, New Haven, Conn. *See adv index at end of book*

## 13473—Sheet Metals (Plated)

American Nickeloid Co. (Nickelzinc, Nickeltin, Brasszinc, etc), Peru, Ill.
National Sheet Metal Co. (Nickel, Brass, Copper & Bronze, Tin & Zinc), Peru, Ill.

## 13474-5— Sheet (Platinum)

See also Platinum
Baker & Co., 54 Austin, Newark, N. J.

## Sheet Steel

See Iron & Steel Sheet, also Steel Sheet Various Kinds

## 13476— Sheeting (Rubber)

Archer Rubber Co. ("Royal Archer"), Milford, Mass.
Athol Mfg. Co., Athol, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Hale Alfred Rubber Co., Atlantic, Mass.
Hodgman Rubber Co., 8 W 40th, New York
International Rubber Co., 120 Broadway, New York
Kleinert I. B. Rubber Co. (Waterproof), 725 B'way, New York
Mystic Rubber Corp., West Medford, Mass.
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co. (Hospital, Nursery, etc), 286 Sheffield av, Brooklyn, N. Y.
Plymouth Rubber Co., Canton, Mass.
Rosenwald & Weil ("Imperial"), 1514 W Kinzie, Chicago, Ill.
Solvas Co., 4216 Calumet av, Chicago, Ill.
Stern Specialty Co. ("Utility"), 40 E 22d, New York
Tyer Rubber Co. (Hospital, Nursery, etc), Andover, Mass.

## 13477-8-9—Sheetings (Cotton)

Abbeville Cotton Mill (36 & 40 inch, Brown), Abbeville, S. C.
Acushnet Mills Corp. (Bleached & Brown), New Bedford, Mass.
Aiken Mills (Wide & Narrow), Bath, S. C.
Alabama Cotton Mills (3.50 yds., 36 inch), Speigner, Ala.
Alice Mills (Convertible, 40 inch), Easley, S. C.
American Cotton Mills Co. (Unbleached), 353 B'way, New York
American Spinning Co., Greenville, S. C.
Anderson Cotton Mills (Narrow Brown), Anderson, S. C.
Androscoggin Mills, Lewiston, Me.
Anniston Mfg. Co. (32, 36 & 40 inch, Brown), Anniston, Ala.
Aragon Mills (5-4 to 12-4), Aragon, Ga.
Arcadia Mills (40 inch, Convertible), Spartanburg, S. C.
Arista Mills Co. (Narrow), Winston-Salem, N. C.
Arkwright Mills (Wide & Narrow), Fall River, Mass.
Ashcraft Cotton Mills (Wide & Narrow Brown), Florence, Ala.
Ashland Co. (Wide Light), Ashland, R. I.
Atlas Mfg. Co., Bessemer City, N. C.
Augusta Factory (27 to 40 inch), Augusta, Ga.
Aurora Cotton Mills Co. (Fine Brown Sheetings in All Widths), Aurora, Ill.
Avon Mills (Narrow), Gastonia, N. C.
Avondale Mills, Birmingham, Ala.
**Bamberg Cotton Mills Co.** (36 inch 44 x 44 Pick 6.15 yds to lb & 40 inch, 44 x 44 Pick, 5.55 yds to lb), Bamberg, S. C.
Beaumont Mfg. Co. (Convertible), Spartanburg, S. C.
Belton Mills (Brown), Belton, S. C.
Blackstone Mfg. Co., 50 S Main, Providence, R. I.
Bonham Cotton Mills (Wide & Narrow Light), Bonham, Tex.
Boott Mills, Lowell, Mass.
Brandon Mills (36 & 40 inch), Greenville, S. C.
Brazos Valley Cotton Mills (Wide & Narrow), West, Tex.
Buck Creek Cotton Mills, Siluria, Ala.
Cabarrus Cotton Mills, Concord, N. C.
Cabot Mfg. Co. (Narrow), 70 Kilby, Boston, Mass.
Calhoun Mills (68 x 72 Pick, 39 inch, 4.75 yds to lb & 72 x 76 Pick, 39 inch, 4.25 yds to lb), Calhoun Falls, S. C.
Cannon Mfg. Co., Concord, N. C.
Casper J. Burlap Bag Mfg. Co., Fitzgerald, Ga.
Central Mills Co. (36 to 52 inch), Southbridge, Mass.
Chadwick-Hoskins Co. (Wide & Narrow), Charlotte, N. C.
Chesnee Mills, Chesnee S. C.
Chicopee Mfg. Corp., Chicopee Falls, Mass.
Chiquola Mfg. Co. (30 & 40 inch, Convertible), Honeapath, S. C.
Clifton Mfg. Co. (28, 30, 36 & 40 inch), Clifton, S. C.
Columbia Cotton Mill Co. (3½ & 4 yds to lb), Columbia, Tenn.
Columbia Mfg. Co. (4-4, 46 inch, Brown), Ramseur, N. C.
Columbus Mfg. Co. (Brown, 4 yds to lb), Columbus, Ga.
Conanicut Mills (Wide), Fall River, Mass.
Conastee Mills (Narrow), Greenville, S. C.
Continental Mills (36, 40, 42 & 45 inch Brown), Lewiston, Me.
Converse D. E. Co., Glendale, S. C.
Corsicana Cotton Mills, Corsicana, Tex.
Courtnay Mfg. Co. (40 inch, Convertible), Newry, S. C.
Cowpens Mfg. Co. (36 & 40 inch, Brown), Cowpens, S. C.
Dallas Mfg. Co. (36 to 108 inch, Brown & Bleached), Huntsville, Ala.
Davol Mills (Fine), Fall River, Mass.
Denison Cotton Mill Co. (Wide & Narrow), Denison, Tex.
Dilling Cotton Mills (38½ & 39 inch, Brown), Kings Mountain, N. C.
Dixie Cotton Mills (40 & 50 inch), La Grange, Ga.
Dunson Mills (Wide & Narrow), La Grange, Ga.
Durfee Mills (30, 36, 40 & 44 inch), Fall River, Mass.
Dwight Mfg. Co. (30, 36 & 40 inch), Exchange bldg, Boston, Mass.
Eagle Cotton Mills Co. (36 & 40 inch, Brown), Madison, Ind.
Easley Cotton Mills (Export), Easley, S. C.
Eastman Cotton Mills (Brown, 40 inch Wide, 40 to 48, 2.85 yds to lb), Eastman, Ga.
Echota Cotton Mills (3.60 yds. 60x56, 40 & 44 inch), Calhoun, Ga.
Edna Cotton Mills (40 & 46 inch), Reidsville, N. C.
Edwards Mfg. Co. (Wide & Narrow, Light), Augusta, Me.
Ella Mfg. Co. (38½ inch, 64 x 60 Pick, 5.35 yds to lb), Shelby, N. C.
Enoree Mills (Wide & Narrow), Greenville, S. C.
Enterprise Mfg. Co. (Wide & Narrow, Brown), Augusta, Ga.
Erwin Cotton Mills Co. (Wide), West Durham, N. C.
Eureka Cotton Mills (Wide), Lancaster, S. C.
Exeter Mfg. Co. (40 inch), Exeter, N. H.
Exposition Cotton Mills, Atlanta, Ga.
Farnum John & Co., 235 Chestnut, Phila., Pa.
Farwell Mills, Lisbon, Me.
Fitzgerald Cotton Mills, Fitzgerald, Ga.
Flint River Cotton Mills (38 1-2 inch, 64x60, 3.35 yds), Albany, Ga.
Florence Mills, Forest City, N. C.
Franklin Mills (4 & 5 yds to lb), Greenville, S. C.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Gaffney Mfg. Co. (Wide & Narrow), Gaffney, S. C.

SHEETINGS (COTTON)—continued
Gaston Mfg. Co. (39 inch, Fine), Cherryville, N. C.
Gastonia Cotton Mfg. Co. (Fine Brown), Gastonia, N. C.
Gaudalupe Valley Cotton Mills (36 & 40 inch), Cuero, Tex.
Golden Belt Mfg. Co., Durham, N. C.
Gonzales Cotton Mill Co. (36 inch), Gonzales, Tex.
Great Falls Mfg. Co., Somersworth, N. H.
Greenwood Cotton Mills (Fine, 40 inch), Greenwood, S. C.
Grendel Mills (Wide), Greenwood, S. C.
Griswoldville Mfg. Co., Griswoldville, Mass.
Grosvenor Dale Co., Grosvenor bldg, Providence, R. I.
Hamilton Mfg. Co. (Narrow), Lowell, Mass.
Hamrick Mills (38½ inch, 64 x 60 Pick, 5.35 yds to lb), Gaffney, S. C.
Harmony Grove Mills (60 inch, Brown), Commerce, Ga.
Harmony Mills, Cohoes, N. Y.
Hartwell Mills (36 & 40 inch, Fine), Hartwell, Ga.
Hebron Mfg. Co. ("Fruit of the Loom"), 21 So Main, Providence, R. I.
Henderson Cotton Mills (36 inch, Brown), Henderson, Ky.
Henderson Cotton Mills (40 inch, Brown), Henderson, N. C.
Henrietta Mills (2.85 to 6 yds to lb, 64 to 84 Pick, 30 to 40 inch), Caroleen, N. C.
Hermitage Cotton Mills, Camden, S. C.
Hettrick Mfg. Co., Toledo, O.
High Shoals Co. (36 to 40 inch), Charlotte, N. C.
High Shoals Mfg. Co. (Wide & Narrow), High Shoals, Ga.
Hill Mfg. Co. (40 & 48 inch), Lewiston, Me.
Home Cotton Mills (All Consumed by Co.), 2d & Barton, St. Louis, Mo.
Hope Co. (36 inch Bleached), Hope, R. I.
Humbolt Cotton Mills (Wide & Narrow), Humbolt, Tenn.
Imperial Cotton Mills, Eatonton, Ga.
Indian Head Mills of Ala. (36 & 40 inch), Cordova, Ala.
Irdianapolis Bleaching Co. (Brown, for Bags), Indianapolis, Ind.
Inman Mills (Wide, 72 x 76 Pick, 4.25 yds. to lb.), Inman, S. C.
Inverness Mills Co., Winston-Salem, N. C.
Itasca Cotton Mfg. Co. (36 inch), Itasca, Tex.
Jackson Co., Nashua, N. H.
Jackson Mills (36 inch, 3, 4 & 4½ yds. to lb.), Iva, S. C.
Kesler Mfg. Co. (Wide), Salisbury, N. C.
King John P. Mfg. Co. (Standard & Fine), Augusta, Ga.
Lafayette Cotton Mills, Lafayette, Ga.
Lancaster Cotton Mills (40 inch), Lancaster, S. C.
Lanett Cotton Mills (Wide), West Point, Ga.
Laurel Mills (Narrow), Laurel, Miss.
Lexington Mfg. Co., Lexington, S. C.
Limestone Mills (39 inch, 68 x 72 Pick, 4.75 yds. to lb.), Gaffney, S. C.
Lincoln Cotton Mills Co. (30, 36, 40 & 90 inches Wide), Evansville, Ind.
Little Androscoggin Water Power Co., Auburn, Me.
Lockwood Co. (36 to 108 inch), Waterville, Me.
Lonsdale Co. (Fine Bleached), 50 So. Main, Providence, R. I.
Loray Mills (Coarse, Heavy), Gastonia, N. C.
Lydia Cotton Mills, Clinton, S. C.
Lyman Mills, Holyoke, Mass.
Lynchburg Cotton Mills (Wide & Narrow), Lynchburg, Va.
Magnolia Cotton Mills Co. (Up to 40 inch), Magnolia, Miss.
Manchester Cotton Mills (Wide), La Grange, Ga.
Mandeville Mills (39 inch, 68 x 72, 4¾ yds.), Carrollton, Ga.
Manville Co. Board of Trade bldg, Providence, R. I.
Martinsville Cotton Mills Co. (39 inch, 72 x 76 Pick, 4.25 yds. to lb.), Martinsville, Va.
Mary Leila Cotton Mill (36 inch, 52 x 46, 4.50 yds. to lb., 48-40, 5.50 yds. to lb. & 48 x 48, 5 yds. to lb.), Greensboro, Ga.
Miller Mfg. Co. (Narrow), Taylorsville, N. C.
Millville Mfg. Co., 626 Chestnut, Phila., Pa.
Modena Cotton Mills (40 inch), Gastonia, N. C.
Mollohon Mfg. Co. (Wide), Newberry, S. C.
Monadnock Mills (Wide & Narrow), Claremont, N. H.
Monarch Mills, Union, S. C.
Monroe Cotton Mills (36 & 40 inch, 60 x 56, 4 yds. to lb. & 48 x 52, 4.50 yds. to lb.), Monroe, Ga.
Montala Mfg. Co. (36 & 40 inch), Montgomery, Ala.
Monticello Cotton Mills (Wide & Narrow), Monticello, Ark.
Mooresville Cotton Mills, Mooresville, N. C.
Moultrie Cotton Mills (Wide & Narrow, 3½ to 6 yds. to lb.), Moultrie, Ga.
Naumkeag Steam Cotton Co. (Wide), Salem, Mass.
Newberry Cotton Mills (30 & 40 inch, Brown), Newberry, S. C.
Newmarket Mfg. Co., Newmarket, N. H.
Nightingale-Morse Mills (Wide), Putnam, Conn.
Ninety-Six Cotton Mill (36 & 40 inch, Convertible), Ninety-Six, S. C.
Norris Cotton Mills Co. (68 x 72 Pick, 39 inch, 4.75 yds. to lb.), Cateechee, S. C.
Nottingham Mill (40 inch), 314 Dyer, Providence, R. I.
Oconee Mills Co. (30 & 37 inch), Westminster, S. C.
Orr Cotton Mills (30, 36 & 40 inch), Anderson, S. C.
Osage Mfg. Co. (38 inch, 64 x 50, 5.35 yds. to lb.), Bessemer City, N. C.
Pacific Mills, Lawrence, Mass.
Pacolet Mfg. Co. (36 inch, 48 x 48 Standard Brown), Spartanburg, S. C.
Patterson Mfg. Co. (36 to 52 inch, Brown) China Grove, N. C.
Pearl Cotton Mills (Wide), East Durham, N. C.
Pelzer Mfg. Co. (Brown), Pelzer, S. C.
Pepperell Mfg. Co., Biddeford, Me.
Pickens Mills (56x60 Pick, 4 yds. to lb., Convertible), Pickens, S. C.
Piedmont Mfg. Co. (30 to 40 inch), Piedmont, S. C.
Pocasset Mfg. Co., Fall River, Mass.
Poe F. W. Mfg. Co. (40 inch, Convertible), Greenville, S. C.
Poulan Cotton Mills (40 inch, 4 yds. to lb.), Poulan, Ga.
Putnam Mfg. Co., Putnam, Conn.
Quidnick-Windham Mfg. Co., Willimantic, Conn.
Quinebaug Co. (36 to 40 inch), Danielson, Conn.
Randolph Mfg. Co., Franklinville, N. C.
Rhodhiss Mfg. Co. (Wide & Narrow), Rhodhiss, N. C.
Riverside & Dan River Cotton Mills (Wide, Bleached & Brown), Danville, Va.
Roswell Mfg. Co. (Wide & Narrow), Roswell, Ga.
Royal Mills (Wide & Narrow), Charleston, S. C.
Royall Cotton Mills (28½ inch), Wake Forest, N. C.
Sanford Cotton Mills (36 inch, 4 yds. to lb.), Sanford, N. C.
Santee Mills (36 inch Brown), Orangeburg, S. C.
Saunders Cotton Mills (40 inch), Saundersville, Mass.
Scottdale Mills (36 & 40 inch, Brown), Scottdale, Ga.
Seminole Mills (Wide), Clearwater, S. C.
Seneca Cotton & Warehouse Co. (39 inch, 72 x 76 Pick, 4.25 yds. to lb.), Seneca, S. C.
Shelby Cotton Mills (38½ inch, 64 x 56 Pick, 5½ yds. to lb.), Shelby, N. C.
Sibley Mfg. Co. (Wide & Narrow, Brown), Augusta, Ga.
Smith J. E. Cotton Mfg. Co. (Wide & Narrow), Thomson, Ga.
Spartan Mills (Wide & Narrow), Spartanburg, S. C.
Stark Mills, Manchester, N. H.
Stonewall Cotton Mills (32 & 36 inch Heavy & Fine Brown Sheetings), Stonewall, Miss.
Strickland Cotton Mills (Wide, 4 & 6 yds to lb.), Valdosta, Ga.
Sylvan Cotton Mills (36 & 40 inch), Shelbyville, Tenn.
Thomaston Cotton Mills (Wide & Narrow, 4 & 4½ yds. to lb.), Thomaston, Ga.
Tipton Cotton Mills (38½ inch, 64 x 60 Pick, 5.35 yds. to lb.), Covington, Tenn.
Toccoa Cotton Mills (36 inch, 44 & 36, 4.50 yds. to lb. & 40 inch, 44 x 40, 4.25 yds. to lb.), Toccoa, Ga.
Tombigbee Cotton Mills (Wide & Narrow), Columbus, Miss.
Tremont & Suffolk Mills, Lowell, Mass.
Trion Co. (7-8 & 4-4 Brown & Fine Sheetings), Trion, Ga.
Tuscaloosa Mills, Tuscaloosa, Ala.
Union Buffalo Mills Co. (Wide & Narrow), Union, S. C.
Union Cotton Mills (36 inch, 4 to 4.50 yds. to lb. & 40 inch, 3.60 yds. to lb.), Lafayette, Ga.
Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.
Utica Willowvale Bleaching Co. (Up to 108 inches Wide), Chadwicks, N. Y.
Uxbridge Cotton Mills (40 inch), North Uxbridge, Mass.
Victor-Monoghan Mills (40 & 60 inch for Oil & Shade Cloth, etc), Greenville, S. C.
Virginia Consolidated Milling Co. (Wide & Narrow), Petersburg, Va.
Walton Cotton Mill Co. (36 & 40 inch, Heavy), Monroe, Ga.
Wamsutta Mills, New Bedford, Mass.
Ware Shoals Mfg. Co., Ware Shoals, S. C.
Warren Mfg. Co., Warren, R. I.
Washington Mills Co. (Wide & Narrow), Mayodan, N. C.
Watts Mills (Narrow, Medium & Wide), Laurens, S. C.
Wennonah Cotton Mills (30 to 40 inch), Lexington, N. C.
Whitney Mfg. Co. (36 & 40 inch), Whitney, S. C.
Winona Cotton Mills, Winona, Miss.

## Sheets (Aluminum)

See Aluminum Sheets & Rods

## 13480-1—*Sheets (Cotton Pick)

**ATLANTA TENT & AWNING CO.**, Atlanta, Ga.

## Sheets (Fibre)

See Fibre, Hard

## 13482—Sheets (Manganese Bronze)

American Manganese Bronze Co. ("Spare's" Rolled Sheets), 3501 Rhawn, Phila., Pa.
Cramp Wm. & Sons Ship & Engine Building Co. ("Parson's" Rolled Sheets), Beach & Ball, Phila., Pa.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*

## 13483—Sheets (Manganese Steel)

**Alloy Steel Forging Co., Carnegie, Pa.**
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

## 13484—*Sheets (Monel Metal)

Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
**SUPPLEE-BIDDLE HARDWARE CO.**, (Perforated), 510 Commerce, Phila., Pa.

## 13485— Sheets (Nickel)

**BLANCKE A. C. & CO.**, 116 S Michigan av, Chicago, Ill.
***See adv index at end of book***
Boker H. & Co., Inc., 101 Duane, New York
Driver-Harris Co. (Pure Malleable), Harrison, N. J. *See adv index at end of book*
Haring Ellsworth ("Elhar" Pure), 114 Liberty, New York
Somers Co., Inc. (Thin Gage), Waterbury, Conn.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*

## 13485a—Sheets (Nickel Silver)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see Alphabetical Section*
Benson H. K. & F. S., Glen Ridge, N. J.
Besly Chas. H. & Co. (Jobbers), 120 N Clinton, Chicago, Ill.
Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Rolling Mills, Inc., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Chase Metal Works, Waterbury, Conn.
**CHASE ROLLING MILL CO.** ("Chase," also Rod & Wire), Waterbury, Conn.
Connecticut Brass & Mfg. Corp. (Thin Guages), Waterbury, Conn.

Electrical Alloy Co., Morristown, N. J.
Hungerford U. T. Brass & Copper Co. (Sheets or Rolls), 80 Lafayette, New York
Merchant & Evans Co. (Sheets & Rolls), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Metal Products Co., Inc., 100 So. Jefferson, Chicago, Ill.
*See adv index at end of book*
Midwest Brass & Copper Co Inc., 480 Broome, New York
*See adv index at end of book*
**NEW ENGLAND BRASS CO.**, Taunton, Mass.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Riverside Metal Co., Riverside, N. J.
**SCOVILLE MFG. CO.**, Waterbury, Conn.
*See adv index at end of book*
Seymour Mfg. Co., Seymour, Conn.
Shimer, McGlynn & Co., 19th & Washington av, Phila., Pa.
Somers Co., Inc. (Thin Gage), Waterbury, Conn.
Stanford Rolling Mills Co., Inc., Springdale, Conn.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Phila., Pa. *See adv index at end of book*
Waterbury Rolling Mills, Waterbury, Conn.
Whitehead Metal Products Co., 67-73 Washington, N Boston, Mass.
*See adv index at end of book*

## 13485b—*Sheets ("Nocoloy" High Nickel Non-Corrosive Alloy)

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

## 13485c—*Sheets (Pure Malleable Nickel)

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

## 13485d—Sheets (Steel & Iron)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Blancke A. C. Co., 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Castle A. M. & Co. ("Castle"), 715 N Morgan, Chicago, Ill.
Falcon Steel Co., Mills, Ohio
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**YOUNGSTOWN SHEET & TUBE CO.** ("Youngstown" Black, Galvanized, Painted, Plain & Corrugated), Youngstown, O.

## 13485e— *Sheets (Tin)

Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

## 13486—Sheets (Tobin Bronze)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*

## 13487—Sheets (Toncan Metal)

Stark Rolling Mill Co. (Black & Galvanized Toncan Metal Rust-Resisting Sheets), Canton, O.

## 13488—Sheets (White Metal)

Detroit White Metal Co., Inc., 628 W Jefferson av, Detroit, Mich.
Seymour Mfg. Co. (Special White Metal Polished Wide & Leveled), Seymour, Conn.
Stanford Rolling Mills Co., Inc., Springdale, Conn.

## 13489—Sheets (Yellow Metal)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*

## 13489a—Shelf Construction (For Factories)

Wallace Supplies Mfg. Co., 416 Orleans, Chicago, Ill.

## 13490— Shellac

American Trading Co., 25 Broad, New York
Androvette & Townsend (Shellac Gum) (Imp.), 235 Water, New York
Apothecaries Hall Co., Waterbury, Conn.
Baer Bros., 438 W 37th, New York
Balfour, Guthrie & Co. (Imp.), 350 California, San Fransisco, Cal.
Barrett M. L. & Co. (Gums, Orange & White), 233 W Lake, Chicago, Ill.
Bass-Hueter Paint Co., 818 Mission, San Francisco, Cal.
Behlen H. & Bro., 371 Pearl, New York
Berry Bros. (Bleached), Detroit, Mich.
Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Carleton E. Everett & Co. (Imp. Orange), 133 Front, New York
Certain-teed Products Corp., St. Louis, Mo.
Day James B. & Co., 214 W Ohio, Chicago, Ill.
**DEVOE & RAYNOLDS CO. INC.** (Imp. for Brewers, etc.), 101 Fulton, New York
*See adv index at end of book*
Downing R. F. & Co., 45 Pearl, New York
Dunn J. T. Co., Inc. (Imp.), 216 Pine, San Francisco, Cal.
*See adv index at end of book*
Fales W. H. Co. (Varnish), 62 Maiden la, New York
Feigel M. & Bro. (Bleached, Varnish, etc), 185 Wooster, New York
Franche C. E. & Co., 440 Orleans, Chicago, Ill.
Gilman Paint & Varnish Co., Chattanooga, Tenn.
Glidden Co. (Hard Oil, etc.), Madison av & Berea rd, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hartmann Pacific Co. Inc. (Imp.), 80 Wall, New York
Heath & Milligan Mfg. Co., 1833 Seward, Chicago, Ill.
Kasebier-Chatfield Shellac Co. (Kiln Dried Bleached & Refined, also Imp. Orange), 175 Pearl, New York
Kitz Joseph, 333 Jefferson, Hoboken, N. J.
Knox & Morse Co., 96 High, Boston, Mass.
Lancaster Paint & Glass Co., Lancaster, Pa.
McKesson & Robbins (Gums, Imp.), 91 Fulton, New York
MacLac Co. (Bleached & Refined), 9 Cliff, New York
Marx & Rawolle (Orange Bleached & Varnishes), 100 William, New York
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Northern Chemical Co. (Rim & Gasket), ("Norwesco"), Marietta, O.
Peabody Henry W. & Co. (Imported), 17 State, New York
Ralli Bros. (Imp.), 11 William, New York
Rogers Pyatt Shellac Co. (Orange & Bleached), 81 Water, New York
**SCHEEL WM H.** (Importers), 159 Maiden ln, New York
*See adv index at end of book*
Standard Varnish Wks. ("Kleartone"), 90 West, New York
Tappenbeck W. (Imp.), 106 Wall, New York
United Varnish Co., 248 Green, Brooklyn, N. Y.
Wadsworth Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Whittemore-Wright Co. (Gum, Orange, Garnet & Bleached), Charlestown, Boston, Mass.
Zinsser Wm. & Co. (Orange, Imp.), 195 William, New York

## 13491— Shellac Substitutes

Day Jas B & Co., 214 W Ohio, Chicago, Ill.
Scheel Wm. H. (Imported), 159 Maiden la, New York
*See adv index at end of book*

## 13492— Shellers (Corn)

American Bell & Foundry Co., Northville, Mich.
American Seeding Machine Co., Springfield, Ohio
Ames Plow Co., Quincy Hall, Boston, Mass.
Appleton Mfg. Co. ("New Hero" Force Feed & "Royal" "Badger"), Batavia, Ill.
Barnard & Leas Mfg. Co. ("Victor"), Moline, Ill.
**BARTLETT C. O. & SNOW CO.**, Fall, Cleveland, O.
*See adv index at end of book*
Bayley Wm Co., Springfield, O.
Belcher & Taylor Ag'l Tool Co., Chicopee Falls, Mass.
Blymyer Iron Works Co. (Hand & Power), Cincinnati, O.
Brinly Hardy Co. ("Red Chief"), Louisville, Ky.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Buch's A. Sons Co. ("Buch's"), Elizabethtown, Pa.
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Challenge Co., Batavia, Ill.
Conner J. W. & Son, Orangeville, Pa.
Donaldson Bros. (Hand), Mount Clemens, Mich.
Eagle Machine Co., Lancaster, O.
Ellis Keystone Agricultural Works ("Cannon" Sheller & Cleaner, with Bagger, etc; also "Pottstown" & Double Sheller), Pottstown, Pa.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Farquhar A. B. Co. (Ltd.), York, Pa.
Fate-Root-Heath Co. ("Little Giant," "Neverfail," "R. & H." Hand), Plymouth, O.
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
Freeman Mfg. Co. (Hand & Power), Racine, Wis.
Gehl Bros. Mfg. Co., West Bend, Wis.
Genesee Valley Mfg. Co. (Hand & Power), Mount Morris, N. Y.
Gray Iron Casting Co. (Hand), Springfield, Ohio
Great Western Mfg. Co., Leavenworth, Kan.
Harriman Mfg. Co., Harriman, Tenn.
Harrison W. R. & Co. ("Tornado"), Massillon, O.
Hench & Dromgold Co. (Hand & Power), York, Pa.
Hobson & Co., Easton, Pa.
Hocking Valley Mfg. Co. (Hand & Power), Lancaster, O.
Howes S. Co., Silver Creek, N. Y.
Humphrey & Sons, Joliet, Ill.
Huntley Mfg. Co. ("Monitor"), Silver Creek, N. Y.
Joliet Mfg. Co. (Power), Joliet, Ill.
Keystone Machine Co., York, Pa.
King & Hamilton Co., Ottawa, Ill.
Klaver Mfg. Co., Dubuque, Ia.
Lehr Agricultural Co., Fremont, O.
Loetscher-Ryan Mfg. Co. ("Star"), Dubuque, Ia.
Luthy & Co., Peoria, Ill.
McGrath Robert M. Foundry & Machine Wks., Lafayette, Ind.
Mann F. W. Co. (Ball Bearing), Milford, Mass.
Marseilles Works of Deere & Co. ("Cyclone," "John Deere," Spring, "New Marseilles" Cylinders, Power & Hand), E Moline, Ill.
Messinger Mfg. Co. (Power & Hand), Tatamy, Pa.
Minneapolis Threshing Machine Co. (Power), Hopkins, Minneapolis, Minn.
Moore Plow & Implement Co., Greenville, Mich.
Mountville Mfg. Co. ("Hero"), Mountville, Pa.
New Winona Mfg. Co., Winona, Minn.
Nordyke & Marmon Co. (Hand & Power), Kentucky & Morris, Indianapolis, Ind.
Ohio Rake Co. (Hand), Dayton, O.
Patch A. H. ("Black Hawk," Hand), Clarksville, Tenn.
Peppler Thomas Son & Co., Hightstown, N. J.
Port Huron Engine & Thresher Co. (Power Shellers), Port Huron, Mich.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Red Chief Mfg. Co., Louisville, Ky.
Rock Island Mfg. Co., Rock Island, Ill.
Rumely Leo Tractor Co. ("Advance" Power), La Porte, Ind.
Sandwich Mfg. Co., Sandwich, Ill.
Smalley Mfg. Co., Manitowoc, Wis.
Smith, Philip Mfg. Co. (Power), Sidney, O.
Sprout, Waldron & Co. ("Monarch"), Muncy, Pa.

SHELLERS (CORN)—continued
Star Heel Plate Co. ("Ever-Ready"), Wilson av, Newark, N. J.
Star Mfg. Co. (Huskers & Shellers Combined), Carpentersville, Ill.
Tiffin Wagon Co., Tiffin, O.
Union Iron Works (Inc.) ("Western" Power), Decatur, Ill.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Watts Mfg. Co. ("Watts," Power), Jackson, Mich.
Whitaker Mfg. Co., 409 S Green, Chicago, Ill.
White's S. R. Sons (Inc.), Norfolk, Va.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wolf Co., Chambersburg, Pa.

## Shellers (Nut)

See Nut Crackers & Picks

## 13493— Shells (Condenser)

Continental Iron Works, West & Calyer, Brooklyn, N. Y.

## 13494— *Shells (Copper)

Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
**WATERBURY MFG. CO.,** Waterbury, Conn.

## 13495-6—Shells (Disinfector)

Quaker City Iron Works (Of Heavy Plate Steel, Jacketed & Stay Bolted), Tioga & Richmond, Phila., Pa.

## 13497-8— Shells (Fuse)

Daum A. F. Electric Fuse Co. ("Daum's" **Refillable Cartridge), 1157 Hodgkiss,** Pittsburgh, Pa.
Waterbury Mfg. Co., Waterbury, Conn.

## Shells (Loaded)

See Ammunition

## Shells (Ordnance)

See Shells, Seamless Steel; also Projectiles, Steel

## 13499— Shells (Pearl)

Isenstein Otto & Co. (Imp), 132 Front, New York

## 13500— Shells (Roll)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Railway Steel Spring Co., 30 Church, New York
Standard Steel Works Co. ("Standard" Solid Weldless), Morris bldg, Phila., Pa.

## 13501— Shells (Rolled Chrome Steel)

Chrome Steel Works, Chrome, N. J.

## 13501a— Shells (Screw)

Patton-MacGuyer Co., 31 Mathewson, Providence, R. I.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn.
*See adv index at end of book*
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co., Waterbury, Conn.

## 13502—Shells (Seamless Steel)

Bethlehem Steel Co., S Bethlehem, Pa.
Bossert Corp. (The) (Drawn), cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Boston Pressed Metal Co. (& Brass), 170 Union, Worcester, Mass.
Columbiana Boiler Co., Columbiana, O.
Parish Supply & Mfg Co. ("Dependable," "Safe Load" Malleable Iron), 2868 Quinn, Chicago, Ill.
Pressed Steel Tank Co., Milwaukee, Wis.
**WORCESTER PRESSED STEEL CO.,** Worcester, Mass.
*See adv index at end of book*

## Shells (Shot Gun)

See Ammunition

## 13503—Shells (Straight & Taper Bore)

Railway Steel Spring Co., 30 Church, New York

## 13504— Shells (Wooden)

Martin Adolph (Est. of), Passaic, N. J.

## 13505—Shelves (Expansion Tank)

Tyler Fred A. ("Quickest"), Albany, N. Y.

## 13506— Shelves (Glass)

See also Bath Room Fixtures & Furnishings
Falconer Mirror Co., Falconer, N. Y.
Gallagher P. J., 24 New Chambers, New York
Hendricks-Martz Bros. Co., Shelby & Larned, Detroit, Mich.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
Novelty Mfg. Co., Waterbury, Conn.
Saginaw Mirror Wks., Saginaw, Mich.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Stephenson C. H. ("Stephenson"), Lynn, Mass.

## 13506a— Shelves (Refrigerator)

American Mfg. Co., Chattanooga, Tenn.
Pennsylvania Structural Slate Co., Drake bldg, Easton, Pa.

## 13507-8—Shelves (Stove Pipe)

Parker Wire Goods Co. (Wire), Worcester, Mass.

## 13509-10—Shelving (Glass Front, Sectional)

Grand Rapids Show Case Co. (Store), Grand Rapids, Mich.
Slane O. W. Glass Co., York, Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Warren J. D. Mfg. Co., Masonic Temple, Chicago, Ill.

## Shelving (Shop)

See Shelving, Steel

## 13511— Shelving (Steel)

Allsteelequip Co. (Adjustable for all Purposes), Aurora, Ill.
**ART METAL CONSTRUCTION CO.,** Jamestown, N. Y.
*See adv index at end of book*
Barshal Steel Equipment Co., 2031 Euclid av, Cleveland, O.
Berger Mfg. Co. (Plain & Roller), Canton, Ohio
Bernstein Mfg. Co., 3rd & Allegheny, Phila., Pa.
Canton Art Metal Co., Canton, O.
Clark W. J. Co., Salem, O.
Cleveland Metalcraft Co., E 71st & Belt Line, Cleveland, O.
Cleveland Wire Spring Co. (Shop), 1281 E 38th, Cleveland, O.
Columbia Metal Bar Co., 226 E 144th, New York
Darby Edw. & Sons Co. ("Pen-Dar," Adjustable), 412 N 18th, Phila., Pa.
Dexter Metal Mfg. Co. ("Universal," "Merritt," for Vault, etc), 93 Arch, Camden, N. J.
Durand Steel Locker Co. (For Vaults & Shops, etc.), 76 W Monroe bldg, Chicago, Ill.
Edwards O. M. Co., Inc., Syracuse, N. Y.
Fire-Proof Furniture & Construction Co., Miamisburg, O.
General Fireproofing Co. (Store, Shop & Office), Youngstown, O.
Globe-Wernicke Co. (Sectional), 25 Carthage av, Cincinnati, O.
**HART & HUTCHINSON CO.** ("H. & H."), Dept. C, New Britain, Conn.
Hauserman E. F. Co., Fenestra bldg, Cleveland, O.
Heller W. C. & Co. (Hardware), Montpelier, Ohio
Heltzel Steel Form & Iron Co., Warren, O.
Jefferies Richard W. Co. (Pressed Steel), Camden, N. J.
Kabureck Geo., 1123 B'way, New York
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
Keyless Lock Co., Indianapolis, Ind.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
**KOENIG EDW. L.,** La Salle Nr. Lake, Chicago, Ill. *See adv index at end of book*
Lothrop Mfg. Co., 15 W Kinzie, Chicago, Ill.
Lyon Metallic Mfg. Co. ("Lyon," Adjustable or Stationary, for All Purposes), Aurora, Ill.
Manufacturing Equipment & Engineering Co. ("Meeco"), Framingham, Mass.
National Scale Co. (Multi-Unit Sectional), 11 Hendricks, Chicopee Falls, Mass.
New Britain Machine Co., ("New Britain," also Cast Iron), 190 Chestnut, New Britain, Conn.
**OHIO MFG. CO.,** P. O. Box 136, Painesville, O. *See adv index at end of book*
Steel Fixture Mfg. Co. (Vault, etc), Topeka, Kans.
Steelite Co., 1902 W 77th, Cleveland, O.
Terrell's Equipment Co. (With or Without Doors), Grand Rapids, Mich.
Van Dorn Iron Works Co. (Steel Roller Book Shelves), 2700 E 79th, Cleveland, O.
Watson Mfg. Co., Jamestown, N. Y.
Wilcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Wilson Andrew Co., 616 Essex, Lawrence, Mass. *See adv index at end of book*

## 13512— Shelving (Warehouse)

Medart Fred. Mfg. Co., De Kalb & Potomac, St. Louis, Mo.
*See adv index at end of book*
Hart & Hutchinson Co. ("H. & H." Steel), New Britain, Conn.
Steelite Co., 1902 W 77th, Cleveland, O.

## 13513-4— Sherardizing

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
General Electric Co. (Oven Equipment), Schenectady, N. Y.
*See adv index at end of book*
Globe Machine & Stamping Co. (Dry Galvanizing), 1250 W 76th, Cleveland, O.
**MOHEGAN TUBE CO.,** 306 Scott av, Brooklyn, N. Y.
*See adv index at end of book*
New Castle Steel & Iron Co., Pittsburgh, Pa.
New Haven Sherardizing Co., New Haven, Conn.
Ohio Sherardizing Co., Whitney Power blk, Cleveland, O.
Standard Steel & Wire Co., 549 W Washington blvd, hicago, Ill.
*See adv index at end of book*
**STANLEY WORKS,** New Britain, Conn.
*See adv index at end of book*
Steel City Electric Co., 1207 Columbus av, Pittsburgh, Pa.
U. S. Sherardizing Co., New Castle, Pa.
Wrought Washer Mfg. Co., Milwaukee, Wis.

## 13515— Shields (Buckle)

Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Mossman," & "Royal" Flexible), New Britain, Conn.

## 13516— Shields (Dress)

Benedict C. Mfg. Co., 591 Mission, San Francisco, Cal.
Beyerle J. J. Mfg. Co. ("Puritan"), 81 S 5th, Brooklyn, N. Y.
Kleinert I. B. Rubber Co., 725 B'way, New York
Mystic Rubber Corp. West Medford, Mass.

## 13517— Shields (Erasing, for Draftsmen

American Safety Lamp & Mine Supply Co., Scranton, Pa.

## Shields (Eye, Goggles)

See Goggles & Eye Protectors

## 13518—Shields (Furnace Port)

American Welding Co., Carbondale, Pa.

## 13518a— Shields (Gear)

Evans Oil Works, 637 Elsmere, Cincinnati, Ohio
Ironsides Co. ("Ironsides" Lubricants), Columbus, O.

## 13519— Shields (Lamp Eye)

**Bay State Optical Co. (Mica, for Working Over Fires), Attleboro, Mass.**
Chicago Eyeshade Co., 128 S Clinton, Chicago, Ill.
Chicago Eye Shield Co., 2304 Warren av, Chicago, Ill.
Ellis Frank Otis, Sandwich, Mass.
Featherweight Eye Shade Co., Merchantsville, N. J.
White W. B. & Son, Quincy, Mass.

## 13520— Shields (Linemen's)

Lineman Protector Co. ("Marshall's," also Shoes & Cross Arm Protectors), Penobscot bldg, Detroit, Mich.

## 13521—Shields (Water Closet)

**Brown Hoisting Machinery Co. ("Brown" Sanitary), 4403 St. Clair N E, Cleveland, O.**

## 13521a—Shields (Wire Rope)

Ironsides Co. ("Ironsides" Lubricants), Columbus, O.

## 13522—Shieves (Stamped Metal)

Jenney & Co., Montgomery, Ala.
*See adv index at end of book*
Mossberg Frank Co., Attleboro, Mass.

## Shifters (Belt)

See Belt Shifters

## 13523— Shifters (Phase)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
States Co. (Potential, For Testing Electric Meters), Hartford, Conn.

## 13524— *Shim Steel

**WARD'S EDGAR T. SONS CO.**, 44-54 Farnsworth, Boston, Mass.
*See adv index at end of book*

## 13525— Shims

**BOSSERT CORP. (THE)** (Brass, Steel, etc., to Order), cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Continental Fibre Co. ("Continental Bakelite" Switch Fibre), Newark, Del.
*See adv index at end of book*
Detroit Leather Works (Leather), 141 E Lafayette, Detroit, Mich.
Empire Weaving & Belting Corp. (Web), East Rochester, N. Y.
Fitzgerald Mfg. Co. (Brass, Steel & Zinc), Torrington, Conn.
**GASKET SUPPLY CO** ("Right" Brass, Zinc-Steel & Laminated Brass), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
Harry Bros. Mfg. Co., 282 Woodbridge, E Detroit, Mich.
Kales Stamping Co. (Laminated Brass, etc.), 443 Lafayette, W Detroit, Mich.
Laminated Shim Co. ("Laminated Brass"), 533 Canal, New York
Lanz M. & Sons (Pole), 2907 Carson, Pittsburgh, Pa.
McCord Mfg. Co., 2587 E Grand blvd, Detroit, Mich.
National Fibre & Insulation Co. (Switch), Yorklyn, Del.
National Leather Mfg. Co. ("National," "Wolverine"), Niles, Mich.
Oakes Co., The, Indianapolis, Ind.
Rhineland Machine Works Co. (Laminated, Imp), 1737 B'way, New York
Stolz Jos. & Son Inc., 841 E 136th, New York
Track Specialties Co., 29 B'way, New York
Unique Findings & Supply Co., 36 Garnet, Providence, R. I.
Worcester Pressed Steel Co., Worcester, Mass.

## 13526— Shiners (Shoe)

Andrews A. H. Co. (Handy, Portable Metal, Combined Seat & Rest), 107 S Wabash av, Chicago, Ill.
Piqua Bracket Co. ("Gem" Shoe Holder & Polisher), Piqua, O.

## 13527-8—*Shingle Rolls (Embossed)

Lehon Co. (The) ("Mulehide"), 4451 S Oakley av, Chicago, Ill.
*See adv index at end of book*

## 13529— Shingle Stains

Acme White Lead & Color Works, St. Aubin & M. & C. R. R., Detroit, Mich.
Adams & Elting Co. ("Ad-el-ite"), 726 Washington blvd, Chicago, Ill.
American Mfg. Co. ("Conrad's" Creosote), 114 Plymouth av, N Minneapolis, Minn.
American Wood Preserving Co. ("Antiseptine"), 1351 N Branch, Chicago, Ill.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, Ohio
Atlas Paint Co., Sharpsburg, Pa.
Atlantic Paint Co. ("Atlantic"), Cleveland, O.
Barrett Co. ("Velvex"), 17 Battery pl, New York
Berry Bros. (Singletint), Detroit, Mich.
Boydell Bros. White Lead & Color Co., 40 E Lafayette, Detroit, Mich.
Cabot Samuel (Inc.), 141 Milk, Boston, Mass.
Chilton Paint Co., College Point, N. Y.
Connors Wm. Paint Mfg. Co., Troy, N. Y.
Conrad Wood Preserving Co., 118 Plymouth av, Minneapolis, Minn.
Continental Products Co., Quebec av, Cleveland, O.
Cooper Geo. W., Denver, Colo.
Crest Chemical Co., Seattle, Wash.
Davis H. B. Co., Bayard & Severn, Baltimore, Md.
Devoe & Raynolds Co., Inc., 101 Fulton, New York
*See adv index at end of book*
Dexter Bros. Co. ("English"), 105 Broad, Boston, Mass.
du Pont (E. I.) de Nemours Co. (Paint & Varnish Sales Div.), Wilmington, Del.
Ford Mfg. Co. ("Petrosote" Preservative), 2339 La Salle, Chicago, Ill.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Goheen Corp., 25 W 43d, New York
Hammond Benjamin, Beacon, N. Y.
Horn A. C. Co., Horn bldg, Long Island City, New York
Indianapolis Chemical Co., 1444 Madison av, Indianapolis, Ind.
Lancaster Paint & Glass Co. ("Eureka"), Lancaster, Pa.
Lawrence W. W. & Co., N Carson, Pittsburgh, Pa.
Lincoln Paint & Color Co. ("Lincoln"), Lincoln, Neb.
Menzel Wm. & Son (Imp.) 64 Broad, New York
Moore Benj. & Co., 281 Front, Brooklyn, N. Y.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nebraska Paint & Lead Co., Lincoln, Neb.
Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.
Nice Eugene E., 272 S 2d, Phila., Pa.
Ohio Chemical Co., Findlay, O.
Parker, Preston & Co. (Waterproof & Odorless), Norwich, Conn.
Patterson-Sargent Co., 1325 E 38th, Cleveland, Ohio
Patton Paint Co. (Taron Paste), Milwaukee, Wis.
Price Fire & Water Proofing Co. (Fireproofing Creosote), Poughkepsie, N. Y.
Protexol Corp., 41 Barclay, New York
Pyramid Paint Co., 133 N 22d, Phila., Pa.
Sherwin-Williams Co., Cleveland, O.
Sonneborn L. Sons ("Shingle-edges"), 262 Pearl, New York
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Southwestern Paint & Varnish Co., Kansas City, Mo.
Vilas Bros. ("Impervious"), 717 S 5th av, Chicago, Ill.
Vulcanite Roofing Co., 16th & Texas, San Francisco, Cal.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
Wilhelm A. Co. ("Fernoleum"), Reading, Pa.
Woodlife Co. ("Woodlife," "W-L"), 262 Fulton, Brooklyn, N. Y.
**WOOLSEY C. A. PAINT & COLOR CO.**, 490 Grand, Jersey City, N. J.

## 13530— Shingles (Asbestos)

Asbestos Shingle Co., Nashau, N. H.
Consolidated Sheet Metal Wks. ("Consol"), 661 Hubbard, Milwaukee, Wis.
Johns-Manville H. W. Co., Madison av & 41st, New York
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Trus-Con Labatories, Caniff & Grant R. R., Detroit, Mich.

## 13531— Shingles (Asphalt)

See Also Roofing, Asphalt Ready

Asphalt Roof Coating Co. Ltd. ("Hudson"), 10 E 43rd, New York
Aspronet Co., 1st National Bank bldg, Pittsburgh, Pa.
Barber Asphalt Paving Co., Land Title bldg., Phila., Pa.
Beckman-Dawson Roofing Co. (Tapered), 19 S La Salle, Chicago, Ill.
Bird & Son ("Neponset" Saturated Asphalt), East Wapole, Mass.
Certain-teed Products Corp. ("Certain Teed" State Surface), Boatman's Bank bldg, St. Louis, Mo.
Cordes, Ayrault & Co., Tonawanda, N. Y.
Edwards Mfg. Co., Cincinnati, O.
*See adv index at end of book*
Flintkote Co. ("Rex Strip," "Rex Wide Space," "Rex Diamond Paint," "Reversible Paint" Strip, Asphalt Slate Surfaced), 88 Pearl, Boston, Mass.
Ford Roofing Products Co., 1134 N Third, St. Louis, Mo.
Heppes-Nelson Roofing Co. ("Flex-A-Tile"), 4500 Fillmore, Chicago, Ill.
International Roofing Mfg. Co., 5301 S Western av, Chicago, Ill.
Keystone Roofing Mfg. Co. (And Slate) ("Keystone" Slate Finish), York, Pa.
Lampson Lumber Co., New Haven, Conn.
McHenry Millhouse Mfg. Co. ("Standard"), South Bend, Ind.
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Nelson B. F. Mfg. Co., Minneapolis, Minn.
Patent Vulcanite Roofing Co. ("Vulcanite"), 2256 W 49th, Chicago, Ill.
Reynolds H. M. Asphalt Co., Grand Rapids, Mich.
Safepack Mills ("Safekote"), 72 Atlantic av, Boston, Mass.
Sall Mountain Co. ("Sal-Mo"), 305 S La Salle, Chicago, Ill.
Southern Cotton Oil Co. ("Scoco"), 120 B'way, New York
Standard Paint Co. ("Ru-ber-oid"), 233 Broadway, New York, N. Y.
Usona Mfg. Co. ("Usona"), Aurora, Ill.
Vulcanite Roofing Co., 16th & Texas, San Francisco, Cal.
Whitaker Paper Co. (Slate Covered, in colors), Eggleston av, 6th & Lock, Cincinnati, O.
Winthrop Asphalt Shingle Co., Argo, Ill.

## 13532—Shingles (California Redwood)

This is a Selected List for Buyers; see also Lumber Manufacturers

Albion Lumber Co., 582 Market, San Francisco, Cal.
Burns M. A. Mfg. Co., Eureka, Cal.
Caspar Lumber Co., Hobart bldg., San Francisco, Cal.
Dolbeer & Carson Lumber Co., Mer. Ex. bldg. San Francisco, Cal.
McKay & Co., 311 California, San Francisco, Cal.
Metropolitan Redwood Lumber Co., Metropolitan, Cal.
Nelson Charles Co., 230 California, San Francisco, Cal.
Pacific Lumber Co., San Francisco, Cal.
Redwood Shingle Assn., Eureka, Cal.
San Diego Lumber Co., San Francisco, Cal.
Schouten J. W. & Co., 738 Bryant, San Francisco, Cal.
Union Lumber Co., Crocker bldg, San Francisco, Cal.

SHINGLES (CALIFORNIA REDWOOD)—continued

Waite H. B. Lumber Co., Security bldg, Minneapolis, Minn.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.

## 13533— Shingles (Cedar)

This is a Selected List for Buyers; see also Lumber Manufacturers

Atlas Lumber Co. (Red Cedar), Seattle, Wash.
Baker Fred K. Lumber Co., Everett, Wash.
Bolcom Canal Lbr. Co. (Red), Seattle, Wash.
Briggs & Cooper Co. (Ltd.), Saginaw, Mich.
Buckeye Lumber Co., Seattle, Wash.
Campbell Napoleon (Wash. Red.), 2453 W 54th, Seattle, Wash.
Carley Ira (White Cedar), Ingalls, Mich.
Carpenter W. I. Lumber Co. (Red Cedar), 504 Lumber Exchange, Minneapolis, Minn.
Case Shingle & Lumber Co. (Red), Raymond, Wash.
Chicago Lbr. & Coal Co. (Red), East St. Louis, Mo.
Clear Lake Lbr. Co. (Red), Clear Lake, Wash.
Commercial Shingle Co. (Red), Bellingham, Wash.
Creo-Dipt Co., North Tonawanda, N. Y.
Currier R. B. Co., Springfield, Mass.
Eatonville Lumber Co. (Red Cedar), Eatonville, Wash.
Falls City Lumber Co. (Red), Northwestern Bank bldg, Portland, Ore.
Ferry-Baker Lumber Co. (Red), Everett, Wash.
Gray's Harbor Commercial Co. (Red Cedar), ft of 3d, San Francisco, Cal.
Haines Lumber Co. (Red Cedar), No. Tonawanda, N. Y.
Hartman-Neubert Lbr. Co. (Red), Seattle, Wash.
Hoquiam Lumber & Shingle Co. (Red Cedar), Hoquiam, Wash.
Howell Shingle Co., Ry. Exch. bldg., Portland, Ore.
Huebel C. J. Co. (White), Monominee, Mich.
Juniper Lumber Co. Inc. (White), Ivanhoe, N. C.
Kimball-Clark Co. (White Cedar), Oshkosh, Wis.
McCormick Lbr. Co. (Red), McCormack, Wash.
Menominee River Shingle Co., Menominee, Mich.
Minneapolis Lumber Co. (Red & White Cedar). 943 Lumber Exchange, Minneapolis, Minn.
Morgan Co., Oshkosh, Wis.
Morgan Lumber & Cedar Co. (White & Red Cedar), Oshkosh, Wis.
Nicola Lbr. Co. (Red Cedar), Farmers' Bank bldg., Pittsburgh, Pa.
Nufer Cedar Co., Whitehall, Mich.
Pacific Fir Co. (Red Cedar), Seattle, Wash.
Pacific Timber Co., Everett, Wash.
Pine Fir Co., Spokane, Wash.
Pine Tree Mfg. Co. (White Cedar), Little Falls, Minn.
Pinkham J. E. Lbr. Co. (Red), Seattle, Wash.
Pioneer Lumber Co. (Red), Seattle, Wash.
Robbins Lumber Co., Rhinelander, Wis.
Roper John L. Lumber Co., Norfolk, Va.
Roy E. B. Lumber Co. (Red), Seattle, Wash.
St. Croix Paper Co., 244 Washington, Boston, Mass.
St. Paul & Tacoma Lbr. Co., Tacoma, Wash.
Sand Point Lumber & Pole Co. (Ltd.) (Red Cedar), Sand Point, Idaho
Saginaw Shingle Co. (Red Cedar), Blaine, Wash.
Schwager & Nettleton (Red), Seattle, Wash.
Seattle Cedar Lumber Mfg. Co. ("Maltese Cross"), Seattle, Wash.
Seattle Lumber Co., Seattle, Wash.
Shepard-Traill Co. (Red Cedar), Seattle, Wash.
Smith M. R. Shingle Co. (Red), R. A. Long bldg, Kansas City, Mo.
Sound Lumber Co. (Red Cedar), Seattle, Wash.
Spies, Thompson Lumber Co., Menominee, Mich.
Standard Cedar & Lumber Co. (White Cedar), 511 Lumber Exchange, Minneapolis, Minn
Standard Stained Shingle Co. ("Creo-Dipt" Stained Red Cedar), North Tonawanda, N. Y.
Vancouver Lumber Co., Ltd. (Vancouver Cedar Mills, Ltd., 343 S Dearborn, Chicago, Ill.
Verd Cedar Co., Arlington, Wash.
Waccamaw Lumber Co., Bolton, N. C.
Wagner & Wilson Co., Monroe, Wash.
Waite H. B. Lumber Co. (Wash'n Red Cedar), Security bldg, Minneapolis, Minn.
Wall-Spalding Lumber Co., Oshkosh, Wis.
Wallace-Ballord Lumber Co. (Red Cedar), 613 Lumber Exchange, Minneapolis, Minn.
West Virginia Lumber Co., First National Bank bldg, Pittsburgh, Pa.
Wilson Robt. S. (Red Cedar), Seattle, Wash.
Winchester & Daniels, Grand Rapids, Mich.
Wisconsin Land & Lumber Co. (White Cedar), Hermansville, Mich.

## Shingles (Cement)

See Roofing Tile, Cement

## 13534— Shingles (Cypress)

A Selected List for Buyers; see also Lumber Manufacturers

Ascension Red Cypress Co. (Ltd.), 403 Whitney bldg, New Orleans, La.
Baker-Wakefield Cypress Co. (Ltd.), Plattenville, La.
Betts Chas. M. & Co., Bailey bldg, Phila., Pa.
Brownell-Drews Lumber Co. (Ltd.), Morgan City, La.
Burgan Wm. M., American bldg, Baltimore Md.
Burton E. P. Lumber Co., Charleston, S. C.
Chicago Lumber & Coal Co., E. St. Louis Mo.
Continental Lumber Co., Houston, Tex.
Cotten Bros., Cypress Co. (Ltd.), Morgan City, La.
Craven Lumber Co., Dallas, Tex.
Dibert, Stark & Brown Cypress Co. (Ltd.), Donner, La.
Gates Lumber Co., Wilmar, Ark.
Goodland Cypress Co., Hibernia bldg, New Orleans, La.
Hammer Lumber Co., Liberty bldg, Phila., Pa.
Jeanerette Lumber & Shingle Co. (Ltd.), Jeanerette, La.
Juniper Lumber Co. Inc., Ivanhoe, N. C.
Louisiana Cypress Lumber Co. (Ltd.), Harvey, La.
Louisiana Red Cypress Co., Hiberia Bank bldg, New Orleans, La.
Lutcher & Moore Cypress Lbr. Co. (Ltd.), Lutcher, La.
Lutcher & Moore Lumber Co., Orange, Tex.
Napoleon Cypress Co. (Ltd.), Napoleonville, La.
Owl Bayou Cypress Co., Cincinnati, O.
Planters Lumber Co. (Ltd.), Jeanerette, La.
Powe Thos. E. Lumber Co., 24 Branch, St. Louis, Mo.
Ramos Lumber Co. (Ltd.), Ramos, La.
Rayner & Parker (Wholesale), Comcl. Tr. bldg, Phila., Pa.
Ruddock Orleans Cypress Co., Carrollton av & New Basin, New Orleans, La.
Schwing Lumber & Shingle Co. (Ltd.), Plaquemine, La.
STEARNS A. T. LUMBER CO., 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Trinity River Lumber Co., Houston, Tex.
West Virginia Lumber Co., 1st National Bank bldg, Pitsburgh, Pa.
Whitecastle Lumber & Shingle Co. (Ltd.), Whitecastle, La.
Wilson Cypress Co., Palatka, Fla.

## 13535— Shingles (Felt)

Flintkote Co. ("Rex Strip" & "Rex Wide Space," "Rex Diamond Paint," "Rex Reversible Strip Paint"), 88 Pearl Boston, Mass.

## 13536-7—Shingles (Metallic)

See also Roofing Tile, Metallic

Asbestos Protected Metal Co., Beaver Falls, Pa.
Aspromet Co., First National Bank bldg, Pittsburgh, Pa.
Berger Mfg. Co. ("Chieftain," "Swanee"), Canton, O.
Burris John T. & Son, Anderson, S. C.
Burton W. J. Co. ("East Lake" Hip Ornamental, etc), Junction & Federal, Detroit, Mich.
Butler Mfg. Co., Kansas City, Mo.
Canton Art Metal Co. ("X L"), Canton, O.
Canton Metal Ceiling Co. ("Art Kraft"), Canton, O.
Chattanooga Roofing & Foundry Co. ("New Century," "Old English"), Chattanooga, Tenn.
Cincinnati Stamping Co. ("Regan's"), 24 W McMicken av, Cincinnati, O.
Cortright Metal Roofing Co., 50 N 23d, Phila., Pa.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Dickelman Mfg. Co., Forest, O.
Dominion Metal Products Co., Roanoke, Va.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*

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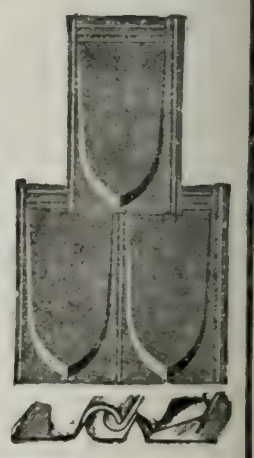

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Florida Metal Products Co., Jacksonville, Fla.
Hopson W. C. Co., Grand Rapids, Mich.
Hyndman Roofing Co. ("Loxrite," "Security," "Xlent" Brand), 318 E 2d, Cincinnati, O.
Kanneberg Roofing & Ceiling Co., Canton, O.
Klauer Mfg. Co., Dubuque, Ia.
Messenger & Parks Mfg. Co. ("Acme"), Aurora, Ill.
Meurer Geo. C. Co. ("Unique," "Columbia"), 22 Clay, Brooklyn, N. Y.
Miller & Doing, 60 York, Brooklyn, New York
Milwaukee Corrugating Co. ("American" Titelock), Milwaukee, Wis.
Moeschl-Edwards Corrugating Co. ("Just Right," "Magnolia"), Covington, Ky.
Montross Metal Roofing Co., Camden, N. J.
**NATIONAL SHEET METAL ROOFING CO.** ("Walter's"), 339 Grand, Jersey City, N. J. *See adv index at end of book*
Newport Rolling Mill Co., Newport, Ky.
Norman W. F. Sheet Metal Mfg. Co. (Hip), Nevada, Mo.
Ohio Corrugating Co., Warren, O.
Penn Metal Ceiling & Roofing Co. (Ltd.), ("The Sagendorf"), 23d & Hamilton, Phila., Pa.
Penn Metal Co. ("Penco" of Hampton Metal), 65 Franklin, Boston, Mass.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Reeves Mfg. Co., Dover, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Southern E. E. Iron Co. ("Souther's"), Kienlen & Hamburger, St. Louis, Mo.
Tennison Bros., Houston, Tex.
Thomas & Armstrong Co. ("Buckeye"), London, O.
Tiffin Art Metal Co., 20 Broad, Tiffin, O.
Watson Jas. H. Co., Bradley, Ill.
Weirton Steel Co., Weirton, W. Va.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Whitaker-Glessner Co. (Wheeling Corrugating Dept), Wheeling, W. Va.
Willis Mfg. Co., Galesburg, Ill.

## Shingles (Red Cedar)

See Shingles, Cedar

## 13538—Shingles (Slate Surface)

Keystone Roofing Mfg. Co., York, Pa.
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
Standard Paint Co. ("S. P. C."), 238 B'way, New York
Stowell Mfg. Co., Culver av, Jersey City, N. J.

## 13539— Shingles (Stained)

Creo-Dipt Co. ("Creo-Dipt"), No. Tonawanda, N. Y.
Johnston R. F. Paint Co., Pearl & Main, Cincinnati, O.
Moser Chas. Co., Cincinnati, O.
Patton Paint Co., Milwaukee, Wis.
Richmond Bros., 616 Main, Cincinnati, O.
Standard Stained Shingle Co. ("Creo-Dipt"), North Tonawanda, N. Y.
Transfer Stained Shingle Co. ("Weatherbest"), North Tonawanda, N. Y.

## 13540—*Shingles & Tiling (Cluster)

**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*

## 13540a— *Ship Brokers

Bull A. H. & Co., 17 Battery pl, New York
Page & Jones, Mobile, Ala.
*See adv index at end of book*

## 13541— Ship Builders

See also Dry Docks & Marine Railways

Star (*) indicates those who build Iron & Steel; Section Mark (§) those who build Wooden; Dagger (†) those who build Iron, Steel & Wooden

Abbott William G., Milford, Del.
Acme Forge Works, 3614 E Marguise way, Seattle, Wash.
Alabama Dry Dock & Shipbuilding Co. (also Ship Repairs), Mobile, Ala.
Alaska Pacific Navigation Co., Seattle, Wash.
*Albina Engine & Machine Works, Portland, Ore.
Allen Shipbldg. Co., Seattle, Wash.
*American Car & Foundry Co. (Steel & Wooden Steamships, Ferry Boats, Barges, Car or Grain Floats, etc), Syndicate Trust bldg, St. Louis, Mo.
§American Car & Foundry Co. (Jackson & Sharp Plant, Wooden Steamships, Ferry Boats, Barges, Car & Grain Floats, Tugs, Lighters Scows), ft E 8th, Wilmington, Del.
American Fisheries Co., Bellingham, Wash.
Am. International Shipbuilding Corp., Hog Island, Phila., Pa.
*American Ship Building Co., ft of W 54th, Cleveland, O.
American Shipbldg. Co., 11 B'way, New York; plant, Brunswick, Ga.
§Atlantic Coast Co., Inc., Thomaston, Me.
*Atlantic Works (Steam Yachts), 80 Border, East Boston, Mass.
*Baltimore Dry Dock & Ship Bldg. Co. (Steel Ships, Barges, Lighters, Car Floats, Tugs, etc), ft E Fort av, Baltimore, Md.
*§Barnes Chas. Co., 55 Main, Cincinnati, Ohio
§Barrett Line (Tugs, River Vessels, Scows, etc.), Cincinnati, O.
*Bath Iron Works (Ltd.), Bath, Me.
§Bayles Shipyards, Inc., Port Jefferson, N. Y.
§Bean R. L., Camden, Me.
Beaumont Ship Bldg. & Dry Dock Co., Beaumont, Tex.
Bethlehem Shipbuilding Corp. (All kinds of Steam & Sailing Vessels & Barges), So. Bethlehem, Pa., Alameda, Cal., Elizabethport, N. J., Union Plant, San Francisco, Wilmington, Del.
Blaisdell N. & Sons, Bath, Me.
§Booz Bros., 815 Key Highway, Baltimore, Md.
§Bowker F. S., Phippsburg, Me.


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§Brown Dry Dock Co., ft Morris, Jersey City, N. J.
Brunswick, Marine Construction Corp., 63 Wall, New York
Brunswick Shipbuilding Co., Brunswick, Ga.
*Buffalo Dry Dock Co., Buffalo, N. Y.
†Burger H. B., Jr., Manitowoc, Wis.
Cahill W. S. Co., Key Highway & Webster, Baltimore, Md.
California Shipbuilding Co. (Submarines & Torpedo Boats), Long Beach, Cal.
§Camden Yacht Building & R'y Co. (Yachts, etc), Camden, Me.
Cape Cod Shipbuilding Corp (Up to 150 ft. to Order), Wareham, Mass.
§Caril Jesse E., Northport, N. Y.
§Carleton Norwood & Co., Rockport, Me.
Charleston Dry Dock & Machine Co., Charleston, S. C.
Chesapeake Marine Railway Co., Philpot c Point, Baltimore, Md.
Chicago Ship Building Co., 101st & Calumet River, Chicago, Ill.
*§Clooney Construction & Towing Co. (Barges, Boats, etc), Westlake, La.
Coast Shipbldg. Co., Portland, Ore.
Coastwise Ship Building Co. (Wood), ft of Andre, Baltimore, Md.
§Cobb Francis Shipbuilding Co., Rockland, Me.
Columbia Engineering Works, Portland, Ore.
*Columbia River Shipbuilding Corp., Portland, Ore.
Continental Shipbldg. Corp. (Wood, Concrete & Steel), 103 Park av, New York
Cookson, Walker & Callahan, San Pedro, Cal.
Cowles Shipyards Co., Buffalo, N. Y.
*Cramp Wm. & Sons, Ship & Engine Bldg. Co., Beach cor Ball, Phila., Pa.
†Crane's Theo. A. Sons Co. (Tugs, River Vessels, Scows, Dry Docks etc), ft Columbia, Brooklyn, N. Y.
§Crook, H. E. Co., Inc., 28 Light, Baltimore, Md.
Crosby Navigation Co., Richmond, Me.
Cumberland Shipbldg. Co., 415 Congress, Portland, Me.
Dantzler Shipbldg. & Dry Docks Co., Moss Point, Miss.
§Davidson James, Bay City, Mich.
*Davis M. M. & Son, Solomons, Md.
§Deering G. G. & Co., Bath, Me.
*Detroit Ship Building Co., ft. Orleans, Detroit, Mich.
Diercks-Blodgett Shipbldg. Co., Pascagoula, Miss.
Downey Shipbldg. Corp., New Brighton, N. Y.
Doyen P. H. Shipbuilding Co., South Portland, Me.
*†§Dubuque Boat & Boiler Works, Dubuque, Ia.
§Dunn & Elliot Co., Thomaston, Me.
*Duthie J. F. & Co., Seattle, Wash.
§Elco Co. ("Elco" Electric & Gasoline Launches, etc), Bayonne, N. J.
§Englis Chas M., 34 Greenpoint av, Brooklyn, N. Y.
Erickson Engng. Co., Inc., Downs bldg, Seattle, Wash.
Federal Shipbuilding Co., Kearny, N. J.
Fellows & Stewart, Inc. (Floating Equip. of all kinds), Wilmington, Del.
§Fenton David (Tugs, River Vessels, Scows, etc), Manchester, Mass.
Ferguson Steel & Iron Co., Inc., Buffalo, N. Y.
*Fletcher W. & A. Co., Hoboken, N. J.
*Fore River Shipbuilding Corp., Quincy, Mass.
§Foundation Co., The, 233 B'way, New York
Freeport Shipbldg. Co., South Freeport, Me.
*Fuller Geo. A. Co. Wilmington, N. C.
Fulton Shipbldg. Co., Wilmington, Cal.
*Gas Engine & Power Co. & Chas. L. Seabury & Co. (Launches, Yachts, etc), Morris Heights, New York
Georgia Ship Building Co., Savannah, Ga.
§Gildersleeve Ship Building Co. (Coal Boats & Deck Scows), Gildersleeve, Conn.
§Gilmore Bros. (Scows, etc), Toledo, O.
Globe Shipbldg. Co., Superior, Wis.
§Goble J. H. & T. C., Oswego, N. Y.
Grant, Smith, Porter Shipbldg. Co., Portland, Ore.
Gray's Harbor Shipbuilding Co., Aberdeen, Wash.
*Great Lakes Eng'ng Works, Real Estate Exchange bldg, Detroit, Mich.
§Green Richard T. Co., Chelsea, Mass.
§Greenport Basin & Const. Co. (Tugs, River Vessels, Scows, etc), Greenport, N. Y.
Groton Iron Wks., Noank, Conn.
Hanlon Dry Dock & Shipbuilding Co., Oakland, Cal.
*Harlan & Hollingsworth Corp. (Steamships, Steamboats, Tugboats, Ferryboats, Car Floats, Barges, etc), ft West, Wilmington, Del.
*§Henderson Shipbuilding Co., Mobile, Ala.
*Herreshoff Mfg. Co. (Also Yachts, etc), Bristol, R. I.
§Hiltebrant C. Dry Dock Co., Rondout, Kingston, N. Y.
Hodge Ship Co., Moss Point, Miss.
Housatonic Ship Bldg. Co., Stratford, Conn.
*Howard Ship Yards Co., Jeffersonville, Ind.
Imperial Shipbuilding Corp., ft Dubois, Detroit, Mich.
International Shipbuilding & Marine Eng'g. Corp., Nyack, N. Y.
§Jakobson & Peterson (Scows, etc), ft of 24th, Brooklyn, N. Y.
Jahncke Shipbldg. Co., Madisonville, La.
*Johnson Iron Works (Ltd.), (Steamers, Barges & Lighters), Morgan & Sequin, New Orleans, La.
§Johnson Shipyards Corp., West New Brighton, S. I., N. Y.
*Johnston Bros. (Tugs, Yachts, Barges, Scows, etc), Ferrysburg, Mich.
§Kelley-Spear Co., Bath, Me.
§Kenyon A. P., Marine City, Mich.
§King & Winge Ship Yard, Seattle, Wash.
Kingston Ship Bldg. Co., Kingston, N. Y.
§Kirby Thos. H. & Sons, St. Michaels, Md.
Kirk John P. (Tugs, River Vessels, Scows, etc), Toms River, N. J.
§Kneass Geo. W. (Tugs, River Vessels, Scows, etc), 18th & Illinois, San Francisco, Cal.
§Kruse & Banks, North Bend, Ore.
†Lake Erie Drydock & Mill Co., Sandusky, O.
§Lake Torpedo Boat Co. (Submarine Torpedo Boats), Bridgeport, Conn.
§Lenahan R. & Co., Kingston, N. Y.
§Lindstrom Ship Building Co., Aberdeen, Wash.
Lone Star Shipbldg. Co., Beaumont, Tex.
§†Long Island Machine & Marine Construction Co., ft E av, Long Island City, N. Y.
Luders Marine Construction Co., Stamford, Conn.
McAllister Dry Dock & Shipyard Co., 24 State, New York
*McDougall-Duluth Co., Duluth, Minn.
§McEachern J. A. Co., Seattle, Wash.
McEachern Ship Co., Astoria, Ore.
§McKie Ship Building Co., 100 Border, E Boston, Mass.
McLouth Sidney C., Marine City, Mich.
Manitowoc Shipbuilding Co. (Steel Ships Passenger Steamers, Fire Boats, Tugs, Dredges, Lighters, Scows, etc), Manitowoc, Wis.
§Mar Jno. E. & Son, West Haven, Conn.
§Marine Engine & Boiler Co. (Tugboats, etc), Philpot & Point, Baltimore, Md.
*Marine Iron Works, 2036 Dominick, Chicago, Ill.
Mathis John H. Co., Camden, N. J.
§Matthews Ship Building Co., Hoquiam, Wash.
Meacham & Babcock Shipbldg. Co., Seattle, Wash.
Merchants Shipbuilding Corp. (Steel Merchant Vessels), Chester, Pa.
*Merrill-Stevens Shipbuilding Corp., Jacksonville, Fla.
Midland Bridge Co., Houston, Tex.
†Milwaukee Dry Dock Co., Ft. Washington, Milwaukee, Wis.
*Mobile Shipbldg. Co., Mobile, Ala.
Moore Shipbldg. Co., Oakland, Cal.
§Moran Robert, Rosario, Wash.
§Muncy Thos. F. & Son (Yachts Only), Bay Shore, N. Y.
§Murnan Ship Bldg. Corp., Mobile, Ala.
*National Dry Dock & Repair Co., West New Brighton, S. I. N. Y.
National Ship Building Co., Seattle, Wash.
National Shipbldg. Co., Orange, Tex.
National Shipbuilding & Dry Dock Co., Savannah, Ga.

New Jersey Shipbldg. Co., Gloucester City, N. J.
*New, York Shipbuilding Co., Camden N. J.
Newburgh Shipyards, Inc., Newburgh, N. Y.
*Newport News Ship Building & Dry Dock Co., Newport News, Va.
Nilson & Keley Shipbldg. Corp., Seattle, Wash.
North Carolina Ship Bldg. Co., Moorehead City, N. C.
Northwest Steel Co., Portland, Ore.
§Oades Walter H., ft of Dubois, Detroit, Mich.
Pacific Coast Shipbldg. Co., First Nat'l Bk. bldg, San Francisco, Cal.
‖Paducah Dry Dock Co., Paducah, Ky.
Palmer Robert & Son Ship Building & Marine Railway Co. (The), Noank, Conn.
Patterson-MacDonald Shipbldg. Co., Seattle, Wash.
§Peninsula Shipbuilding Co., Portland, Ore.
Penn. Shipbldg. Co., Gloucester City, N. J.
§Percy & Small, Bath, Me.
§Perth Amboy Dry Dock Co., Perth Amboy, N. J.
Pittsburgh-Des Moines Steel Co. (Hulls-Steel), 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Portland Co. (Freight & Passenger Steamboats, Towboats, etc) Portland, Me.
Portland Shipbldg. Co., 257 Front, So. Portland, Me.
Portland Ship Ceiling Co., Water, Portland, Me.
Providence Engng. Corp., 521 S Main, Providence, R. I.
*Pusey & Jones Co. (Yachts, Sailing & Steam Vessels), ft Poplar, Wilmington, Del., & Pennsylvania & New Jersey Yards, Gloucester City, N. J.
Quintard Iron Works Co., 742 E 12th, New York
Raritan Dry Dock Co. (Scows, Tugs, Barges, etc), Perth Amboy, N. J.
§Read Bros. Co., Fall River, Mass.
§Rice Jacob & Sons, Kingston, N. Y.
§Rieboldt Wolter & Co., Sturgeon Bay, Wis.
*Riley's Dry Dock Co., Buffalo, N. Y.
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Rodgers Geo. T. & Co., Astoria, Ore.
Rohde Chas. L. & Sons Co., ft 3d av, Baltimore, Md.
Russell Ship Bldg. Co., Portland, Me.
§Ryan John & Son, Whitehall, N. Y.
Saginaw Shipbldg. Co., Saginaw, Mich.
*§St. Helens Shipbuilding Co., St. Helens, Ore.
San Francisco Shipbldg. Co. (Concrete Steamers & Barges), 310 California, San Francisco, Cal.
Sanderson & Porter, Willapa Harbor, Wash.
Sandy Point Ship Bldg. Co., Sandy Point, Me.
§Sandstrom Ship Building Co., Seattle, Wash.
Schultze, Robertson & Schultze, Inc., 1151 Evans av, San Francisco, Cal.
*§Seaborn Shipyards Co., Tacoma, Wash.
†Seattle Construction & Dry Dock Co., Seattle, Wash.
§Simpson Lumber Co., 112 Market, San Francisco, Cal.
Ship Construction & Trading Co., Inc., Stonington, Conn.
Slidell Ship Building Co., Slidell, La.
Sloan Shipyards Corp., Seattle, Wash.
§Smith C. C. Boat & Engine Co., Algonac, Mich.
§Snow I. L. & Co., Rockland, Me.
Sommerstrom Shipbldg. Co., Columbia City, Ore.
*Spedden Ship Building Co. (Steel & Wood), Boston & Kenwood, Baltimore, Md.
*Standard Shipbuilding Corp., 44 Whitehall New York
§Standifer-Clarkson Co., Portland, Ore.
Standifer G. M. Constr. Co., Vancouver, Wash.
Stanley Shipbldg. Co., Shooters Island, L. I., N. Y.
Staten Island Shipbuilding Co., 1983 Richmond ter, Port Richmond, Richmond, N. Y.
‖Stearns & McKay Co. (Tugs, River Vessels, Scows, etc), Marblehead, Mass.
‖Stone W. F., Oakland, Cal.
‖Story A. D., Essex, Mass.
Submarine Boat Corp., 11 Pine, New York; shipyards, Port Newark, N. J.
*Sun Shipbuilding Co., Superior, Wis.
*Superior Ship Building Co., Superior, Wis.
§Swenson J., ft of Warren, Jersey City, N. J.
Tacoma Shipbldg. Co., Tacoma, Wash.
Tampa Dock Co., Tampa, Fla.
Tampa Shipbuilding & Engineering Co., Tampa, Fla.
Tebo Yacht Basin Co., ft 23d, Brooklyn, N. Y.
Texas Steamship Co., Bath, Me.
§Thames Tow Boat Co., New London, Conn.
Todd Dry Dock & Constn. Co., Tacoma, Wash.
Todd Dry Docks, Inc., Seattle, Wash.
Todd Shipyards Corp., 15 Whitehall, New York
*Toledo Ship Building Co., Toledo, O.
§Traylor Shipbldg. Corp., Cornwells Hghts., Pa.
Union Bridge & Constn. Co., Morgan City, La.
Union Construction Co., 604 Mission, San Francisco, Cal.
*Union Shipbuilding Co., Fairfield, Md.
United Engng. Works, Clunie bldg, San Francisco, Cal.
United States Shipbldg. Corp., 26 Cortlandt, New York
Universal Shipbldg. Co., Houston, Tex.
§Vansant Stanley G., Atlantic City, N. J.
Vinyard Ship Building Co., Milford, Del.
Virginia Shipbuilding Corp., Alexandria, Va.
**VULCAN IRON WORKS, INC.**, Hudson & Essex, Jersey City, N. J.
Ward Chas. Engineering Works (Light-Draft River Steamers), Charleston, W. Va.
§Waterhouse Frank & Co., Seattle, Wash.
§Weaver Joseph & Son, Orange, Tex.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
§White E. I., Machias, Me.
*Williamette Iron & Steel Wks. (Iron & Steel), Portland, Ore.
Wilson Shipbldg. Co., Astoria, Ore.
Wilson Shipyards, Seattle, Wash.
*Winslow Marine Railway & Shipbuilding Co., Winslow, Wash.
§Woodall Wm. E. & Co., ft of Woodall, Baltimore, Md.
Wright Shipyards, Tacoma, Wash.
York River Ship Bldg. Co., West Point, Va.

## 13542— Ship Knees

Hoskins J. S. Lumber Mfg. Co., Baltimore, Md.
Portland Ship Building Co., Portland, Me.
Sherwood Hall Co., Ltd., Grand Rapids, Mich.
True Samuel, Amesbury, Mass.

## 13542a— *Ships Findings

Alabama Dry Dock & Shipbuilding Co., Mobile, Ala.
American Standard Shipfittings Corp. (Also Fittings), 115 B'way, New York
*See adv index at end of book*


MATERIALS FOR SHIPS

—

AMERICAN STANDARD SHIPFITTINGS CORP.

115 BROADWAY NEW YORK


Henderson Shipbuilding Co., Mobile, Ala.
**INTERNATIONAL SHIP FITTINGS & SUPPLY CORP.**, 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*

Murnan Ship Bldg. Corp., Mobile, Ala.
Stern Foundry & Machine Co., 1630 Annunciation, New Orleans, La.
Thacher Propeller & Foundry Corp., Albany, N. Y.
Townsend Foundry & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*
Wittemann Bros., 41 Ferris, Brooklyn, N. Y.

## 13542b—*Ship Repairs & Refittings

**AMERICAN STANDARD SHIPFITTINGS CORP.**, 115 B'way, New York
*See adv index at end of book*


MATERIALS FOR SHIPS

—

AMERICAN STANDARD SHIPFITTINGS CORP.

115 BROADWAY NEW YORK


Stolz Jos. & Son Inc., 841 E 136th, New York

## 13543— Shock Absorbers

Central Brass & Fixture Co. ("Buckeye Ford"), Springfield, O.
Channon-Hughson Co., 227 W Erie, Chicago, Ill.
Connecticut Shock Absorber Co., Meriden, Conn.
Cox Brass Mfg. Co., Albany, N. Y.
Duke Oak Lumber Co. ("Condac"), Wellsville, N. Y.
Dural Rubber Corp. (Airplane), Flemington, N. J.
Flentje Ernst ("Flentje," Oil & Air), 1643 Cambridge, Cambridge, Mass.
France Mfg. Co. ("F.-F."), 10360 Berea rd, Cleveland, O.
Gabriel Mfg. Co. ("Foster"), 1407 E 40th, Cleveland, O.
Goodyear Tire & Rubber Co. ("Aeroplane"), Akron, O.
Halladay L. P. Co., Streator, Ill.
Halliwell Bros. ("Martin"), 317 W Pico, Los Angeles, Cal.
Hartford Edward V. ("Truffault-Hartford"), 141 Morgan, Jersey City, N. J.
Herz & Co. ("Pater Noster"), 245 W 55th, New York
Humboldt Machine & Stamping Co. ("Ridewell"), Vernon av & 10th, Long Island City, N. Y.
Landis Engng. & Mfg. Co. ("Landis"), Waynesboro, Pa.
Mesinger H. & F. Mfg. Co., Austin pl & 144th, New York
National Dairy Machine Co., Goshen, Ind.
Rhineland Machine Wks. Co. (Imp.), 1737 B'way, New York
Russell Mfg. Co. (Airplane), 349 B'way, New York
Sager J. H. Co. ("J H S"), Rochester, N. Y.
Smith, H. Lund, Paterson, N. J.
Southwark Fdry. & Mach. Co. (Hydraulic), 430 Wash. av, Phila., Pa.
Star Specialty Mfg. Co. ("Star" Ford Motor Circulators), 227 W Erie, Chicago, Ill. *See adv index at end of book*
Turner Brass Works ("Turner"), Sycamore, Ill.
Universal Rim Co. ("Stone"), 140 S Dearborn av, Chicago, Ill.
Universal Shock Eliminator Co., 1881 B'way, New York
Walker Mfg. Co. (For Ford Cars), Racine, Wis.
Webber P. H. Co. ("W. & C." For Ford Cars), Hoopeston, Ill.
Weeber C. F. Mfg. Works ("Weeber"), Albany, N. Y.
Wood, J. W. Elastic Web Co., 45 E 17th, New York

## 13544—Shoe Blacking & Polishes

A. B. Polish Co., 1515 Haddon av, Chicago, Ill.
**American Oleite Sales Co. ("Oleite"), 1404 North Park pl, St. Louis, Mo.**
American Shoe Polish Co. ("Eagle"), 20th & Troy, Chicago, Ill.
**Ampt Chas. F. Co. (Polish), 112 E Water, Cincinnati, O.**
**Archibald Mfg. Corp, Rochester, N. Y.**
Bixby S. M. & Co. ("Bull Frog," "Three Bee," "Best," Blackings, "Royal," "Jet Oil," Polishes, "Shuwhite" White, "Satinola" Tan, "Shoe Satin," Bixola), 46th & 2d av, Brooklyn, N. Y.
Black Cat Polish Co., 34 Washington, Buffalo, N. Y.
Blichert P. A. Mfg. Co., 190 13th, Jersey City, N. J.
Brown B. F. & Co., 137 Fulton, Boston, Mass.
Burckard Blacking & Oil Co. ("Okolite"), 1322 Greenmount av, Baltimore, Md.
Callaway Wm. E. (Polishes), 61 Wilkinson av, Jersey City, N. J.
Cleveland Alden T. Mfg. Co., 125 Broad, Boston, Mass.
Conley Stain & Blacking Co., 15 Sherman, Boston, Mass.
**Cox A. F. & Son ("Mohawk" Waterproof),** Portland, Me.
Cummings G. R., Jr., & Co., 132 Reed, Milwaukee, Wis.
Dalley F. F. Co. ("2 in 1" Polish), Buffalo, N. Y.
Dennehy Bros., Brocton, Mass.
Diamond McDonnell & Co., 409 N 4th, Phila., Pa.
Everett & Barron Co. ("U-N-O," "Trilby"), 359 Eddy, Providence, R. I.
Fulton Shoe Polish Co., 289 Pearl, New York
Hauthaway C. L. & Sons, 346 Congress, Boston, Mass.
Herriott Shoe Polish Co., 2801 N B'way, St. Louis, Mo.
Hollingshead R. M. Co. ("Shulife" Shoe Dressing, Camden, N. J.
Manhattan Shoe Polish Co., 367 Hamilton av, Brooklyn, N. Y.
Martin & Martin ("E-Z" Polishes Only), 3005 Carroll, Chicago, Ill.
Mason Jas. S. Co. (Polish & Blacking, "Challenge"), 136 N Front, Phila., Pa.
Miller Frank Co. ("Gem," "Crown," "Paragon," "Peerless," "Empire," "Kibosh"), 349 W 26th, New York
No Wet Mfg. Co., 13 W Kinzie, Chicago, Ill.
Prescott J. L. Co., 92 W Bway, New York
Preservo Polish Co., Kansas City, Mo.
Robb C. L. Mfg. Co., Bellefontaine, O.
Shinola Co., Rochester, N. Y.
**Stinson B. F. & Co., Buffalo, N. Y.**
Superior Polish Co., Brockton, Mass.
Thompson Ferd & Co., Rockland, Mass.
Whittemore Bros. Corp. ("Gilt Edge," "French Gloss," "Elite," "Dandy," "Star," "Midget," "Quick White," "Albo," "Big Four," "Chic," "Bully Shine," "Superb," "Raven"), Cambridge, Mass.
Wood Geo. H. Corp., 146 Summer, Boston, Mass.
World Polish Mfg. Co. ("Blackola"), York, Pa.
Yankee Polish Co., 64 Cortlandt, New York

## 13545— Shoe Goring

**Boston Gore & Web Co. (Elastic), Chelsea,** Mass.
Dyer Chas. N., Haverhill, Mass.
Glendale Elastic Fabrics Co. (Elastic), Easthampton, Mass.
Taylor Thos. & Sons (Elastic), Hudson, Mass.

## 13546—*Shoe Horns (Fibre)

**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works, Marshallton, Del *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## 13547— Shoe Horns (Metal)

Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Sommer J. L. Mfg. Co., Newark, N. J.
Wilmington Fibre Specialty Co., Wilmington, Del. *See adv index at end of book*

## 13547a— Shoe Lasts (Wooden)

Brockton Last Co., Brockton, Mass.
Dayton Last Works, Dayton, O.
Gardiner Thos. W. & Sons, Lynn, Mass.
Golbert Last Co., Worcester, Mass.
Masterson Bros., Brockton, Mass.
Mawhinney Last Co., Brockton, Mass.
Porter S. & Co., 25 Union, Worcester, Mass.
Rebhun Last Co., 1728 Dana av, Cincinnati, O.
Rochester Last Works, Rochester, N. Y.
Sturgis-Jones Last Co., Brockton, Mass.
Vulvan Last Co., Portsmouth, O.
Woodard & Wright Last Co., Brockton, Mass.

## 13548—Shoe Lasts & Stands

Adams Co., Dubuque, Ia.
Badger Malleable & Mfg. Co. (Malleable, Iron), South Milwaukee, Wis.
Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Brandenburg Cobbling Supply Co. (Cast Iron), 1335 N Clark, Chicago, Ill.
**Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.**
Chattanooga Roofing & Foundry Co., **Chattanooga, Tenn.**
Coulter Mfg. Co., 325 Arch, Phila., Pa.
Enterprise Hardware Mfg. Co., Frederick, Md.
Fate Root-Heath Co. ("Plymouth," Revolving "Universal," "Acme," "Heavy A," "Guaranteed Perfection," "Hercules," Wedge Top, "Buckeye" Combination, Malleable Sap, etc.), Plymouth, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Kupferle John C. Foundry Co. ("Eclipse," "St. Louis" & "Paragon,"), 1st & Wright, St. Louis, Mo.
McMahon & Hickey, Ellicottville, N. Y.
Roanoke Iron & Bridge Works, Inc. ("O. K."), Roanoke, Va.
Sacks Louis ("Star"), Wilson av, Newark, N. J.
South Bend Foundry Co., South Bend, Ind.
Stowell Co., The (Cast & Malleable Iron) S Milwaukee, Wis.
Wrightsville Hardware Co. ("Columbia & Brighton" Cast Iron), **Wrightsville, Pa.**

## 13549— Shoe Rest

Nicol & Co. ("Porter's"), 218 N Jefferson, **Chicago, Ill.**

## 13550— Shoe-Trees

American Cutlery Co. (Steel), 764 Mather, Chicago, Ill.
Anderson A. R. & Co. ("Fitall"), Arlington, N. J.
Bogert & Hopper Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
**Bridgeport Metal Goods Mfg. Co. ("R. P. K." Aluminum & Steel, Slipper), Bridgeport, Conn.**
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Kennebunk Mfg. Co. ("Spaulding's Fether-Lyte"), Milton, N. H.
R. P. K. Pressed Metal Co. (Aluminum), Bridgeport, Conn.

## 13551-2— Shoes (Aluminum)

American Metal Shoe Co., Racine, Wis.

## 13553—Shoes (Baseball & Athletic)

Claflin Waldo M. ("Claflin"), 1107 Chestnut, Phila., Pa.
Jarvis W. B. Co. ("Ty Cobb"), Grand Rapids, Mich.
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
Rawlings Mfg. Co. ("Rawlings"), 23d & Lucas av, St. Louis, Mo.
Spaulding A. G. & Bros., 126 Nassau, New York
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
**Witchell-Sheill Co. ("Witch-Elk"),** 168 Brooklyn, Detroit, Mich.

## 13554-5—Shoes (Casing, Oil & Gas Well)

Herron R. H. Co., 934 N Alameda, Los Angeles, Cal.
Keystone Driller Co., Beaver Falls, Pa. *See adv index at end of book*
Lucey Mfg. Corp., 233 B'way, New York *For branch offices see Alphabetical Section*
National Supply Co. (Oil Well), Union Bank bldg, Pittsburgh, Pa.
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**
Union Tool Co., Torrance, Cal.

## Shoes (Conductor Pipe)

See Elbows & Shoes, Conductor, Pipe

## 13556— Shoes (Drive)

Dobbins Core Drill Co. Inc., 147 W 42d, New York
**Mark Mfg. Co., Evanston, Ill.**

## 13557—Shoes (Horse, Rubber)

**Goodrich B. F. Co., Akron, O.**
**Goodyear Tire & Rubber Co., Akron, O**
**Peerless Rubber Horseshoe Co. ("Peerless"), 1014 S Kildare av, Chicago, Ill.**
Powers Rubber Horseshoe Co. ("Powers"), 1700 N Kostner av, Chicago, Ill.
Revere Rubber Co., Chelsea, Mass.

## 13558—Shoes (Horse & Mule)

American Horse Shoe Co. (Horse & Mule), Phillipsburg, N. J.
**AMERICAN STEEL & WIRE CO.** (Horse & Mule Shoes; also Toe & Heel Calks), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Bryden Works ("Bryden"), Catasauqua, Pa.
**Burden Iron Co., Troy, N. Y.**
Challoner Co., Oshkosh, Wis.
**Champion Horse Shoe Co., Pawtucket, R. I.**
Cincinnati Horse Shoe & Iron Co. (Horse & Mule), Cleves, O.
Cray Bros. ("Cray" Iron Shoe), 1111 W 11th, Cleveland, O.
Diamond Calk Horse Shoe Co., Duluth, Minn.
Fibre Cushion Horse Shoe Co. ("Saxton's" Fibre Cushion), 88 New Chambers, New York
Fruin Drop Forge Co. ("Fruin-Tobin"), 347 Root, Chicago, Ill.
Giant Grip Horse Shoe Co. ("Giant Grip"), Oshkosh, Wis.
Mfrs. Iron & Steel Co. ("Bryden," "Boss") New Brunswick, N. J.
Octigan Drop Forge Co. ("Octigan"), 2428 Lowe av, Chicago, Ill.
Old Dominion Iron & Steel Corp. ("Hammer Brand"), Belle Isle, Richmond, Va. *See adv index at end of book*
Phoenix Horse Shoe Co. ("Phoenix"), 209 S La Salle, Chicago, Ill., & Poughkeepsie, N. Y.
Rowe Calk & Chain Co. (Cat-Foot & Asphalt), Plantsville, Conn.
**Side Weight Horse Shoe Co. ("Hartford" Side Weight Horse), Mechanic, Hartford, Conn.**
Standard Horse Shoe Co., Boston, Mass.
Tredegar Co., ft 5th, Richmond, Va.
United States Horse Shoe Co. ("U. S." Horse), Erie, Pa.
Williams Drop Forging Co. ("Williams" Cantslip), Scranton, Pa.

## 13558a— *Shoes (Ladder)

American Mason Safety Tread Co. (Carborundum), Lowell, Mass.
**HACKER MFG. CO.** ("Queen"), 121-123 W Third, Cincinnati, O.
*See adv index at end of book*

## 13559—Shoes (Moulders' or Foundry)

**Brandau Shoe Co., 89 Sherman, Detroit, Mich.**
**Johnson C. W. (Asbestos Shoe), Natick, Mass.**
**Williams Arthur A. Shoe Co., Holliston, Mass.**

## 13560— Shoes (Ox)

Atwater Mfg. Co. (Forged Wrought Iron), Southington, Conn.
Haven Malleable Castings Co., Cincinnati, Ohio
**Scranton Forging Co., Scranton, Pa.**
*See adv index at end of book*
**Woodruff W. W. & Sons Co., Mount Carmel, Conn.**

## 13561— Shoes (Plank)

**Pollard Jos. G. (Steel), 141 Raymond, Brooklyn, N. Y.**

## 13562-3—Shoes (Scalping & Cleaning)

**Howes S. Co., Silver Creek, N. Y.**
**Huntley Mfg. Co. (For Grain, Beans & Peas), Silver Creek, N. Y.**

## Shoes (Sleigh)

See Shoes, Wagon & Sleigh

## 13564—Shoes (Sliding Furniture)

**Berbecker & Rowland Mfg. Co., Waterville, Conn.**
Brainard & Wilson Co. ("B. & W."), Danbury, Conn.
**Evergrip Gliding Caster Co. ("Evergrip"), 261 Canal, New York**
G. G. G. Metal Stamping Co. ("Roll-E-Z"), Warren, Pa.
**Gould-Mesereau Co. ("Times"), 52 W 38th, New York**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Onward Mfg. Co. ("Onward"), Menasha, Wis.**
Peabody Henry W. & Co. ("Domes of Silence," "U. S. A.," "Ho"), **17 State, New York**
**Turner & Stanton Co. ("Slidewell"), Norwich, Conn.**
Universal Castor & Foundry Works ("Universal"), Newark, N. J. See the Bossich Co., Bridgeport, Conn.
Victor Caster Co. ("Victor" Caster, "Nob-E-Nob" Glide), Bridgeport, Conn.
Watertown Table-Slide Co., Watertown, Wis.

## 13565— Shoes (Tennis)

American Rubber Co., 130 Essex, Boston, Mass.
Boston Rubber Shoe Co., 130 Essex, Boston, Mass.
Converse Rubber Shoe Co., Malden, Mass.
Goodyear Rubber Co. (Rubber), 539 Mission, San Francisco, Cal.
*See adv index at end of book*
McLoughlin, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
**National India Rubber Co., Bristol, R. I.**
Stall & Dean Mfg. Co. ("Stall & Dean"), **Brockton, Mass.**

## 13566—Shoes (Wagon & Sleigh)

Barber Mfg. Co., Ashtabula, O.
Munnsville Plow Co., Munnsville, N. Y.

## 13567— Shoes (Wood Sole)

**Marion Malleable Iron Works (Any Size, Type or Pressure), Marion, Ind.**
**Riemer A. H. Shoe Co., 431 29th, Milwaukee, Wis.**
**Vanderslice-Stahmer Shoe Co., Davenport, Iowa**

## 13568— Shoes (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Fellrath John B. Co., Fond du Lac, Wis.
**Novelty Wooden Shoe Co., Holland, Mich.**

## 13569—Shoes & Dies (Stamp Mill)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Forge Works, Denver, Colo.
American Steel Foundries, **McCormick bldg, Chicago, Ill.**
**Chester Steel Castings Co., 407 Sansom, Phila., Pa., & Chester, Pa.**
Chrome Steel Works **(Adamantine), Chrome, N. J.**
Colorado Iron Works Co., Denver, Colo.
Denver Eng. Works Co., Denver, Col.
Gray Iron Fdry. Co., Reading, Pa.
**Hendy Joshua Iron Works, 75 Fremont, San Francisco, Cal.**
**KENNEDY VAN SAUN MFG. & ENG. CORP.**, 120 Broadway, New York
*See adv index at end of book*
**National Steel Casting Co., Montpelier, Ind.**
**Pennington Geo. W. Sons (Hammered), 1699 Montgomery, San Francisco, Cal.**

## 13570— Shooks (Box)

Acme Box Co., 1401 W 21st pl, Chicago, Ill.
Acme Box Co., Omaha, Neb.
Acushnet Saw Mills Co., Acushnet, Mass.
Adkins E. S. & Co., Salisbury, Md.
Allegheny Box Co. (Exp.), 601 Byrd, Richmond, Va.
Alliger Box & Lumber Co., No. Tonawanda, N. Y.
Am. Blakeslee Mfg. Co., Birmingham, Ala.
American Box & Lumber Co., Norfolk, Va.
Anderson-Tully Co. (Gum & Cottonwood), Memphis, Tenn.
Andrews O. B. Co., Chattanooga, Tenn.
Anson Gilkey & Hurd Co. (Pine, Hemlock & Hardwood), Merrill, Wis.
Astoria Box Co. (Exp.), Astoria, Ore.
Atwood & McManus Box Co., Chelsea, Mass.
Badger Box & Lumber Co. (Exp.), Grand Rapids, Wis.
Bailey Lumber Co., Suncook, N. H.
Barnes E. H. Co., 61 B'way, New York
Bartlett Box & Lumber Co., Westboro, Mass.
Bay City Box & Crate Co., Bay City, Mich.
Berkley Box & Lbr. Co., Norfolk, Va.
Biddleford Box Co., Biddleford, Me.
**BOGERT & HOPPER, INC.**, 57 Barclay, New York *See adv index at end of book*
Bradley, Miller & Co. (White Pine, Hardwood or Basswood), Bay City, Mich.
Branning Mfg. Co., Edenton, N. C.
Breault M. Co., Cohoes, N. Y.
Brown Co., Portland, Me.
Brown-Mitchison Co. (Shooks & Cratings), Marinette, Wis.
Buffalo Box Factory (Exp.), Buffalo, N. Y.
Cady George L. & Sons, Lowell, Mass.
Carrier Lumber & Mfg. Co. (Gum), Sardis, Miss.
Carter J. A., Petersham, Mass.
Chaffee Bros. Co. (Exp.) (By Car Lots), Oxford, Mass.
Chapman & Dewey Lumber Co., Rialto bldg, Kansas City, Mo.
Cheney Frank P., Lowell, Mass.
Chicago Mill & Lumber Co., 111 W Washington, Chicago, Ill.
Cleveland Box Co., Cleveland, O.
Cohn & Bock Co., Princess Anne, Md.
Columbia Box & Lumber Co., South Bend, Wash.
Conant F. R. Co., Auburn, Me.
Conway Lumber Co., Conway, N. H.
Crosman G. A. & Sons Co., Deering Gate, Portland, Me.
Davis Henry D. Lumber Co., Northwest Bank bldg, Portland, Ore.
Dent & Russell Inc., Northeastern Bank bldg, Portland, Ore.
Dodge & Bliss Co., W. End, Jersey City, N. J.
Duker J. H. Box Co., Aliceanna cor Eden, Baltimore, Md.
Dunning-Varney Corp. (Pine, Spruce, Hemlock, etc), 99 Warren, New York
East Brooklyn Box Co. (Yellow Pine, Poplar & Gum), East Brooklyn, Md.
Ellington & Guy (Va. Sap Pine), 611 Times-Dispatch bldg, Richmond, Va.
Ellis E. W. Lumber Co., Grand Rapids, Wis
**ESTES E. B. & SONS**, 364 5th av, New York *See adv index at end of book*
Fenton & Sons, Box & Lumber Co., North Tonawanda, N. Y.
Fidalgo Lumber & Box Co. (Exp.), Anacortes, Wash.
Forrester-Nace Box Co., 80 Wyoming, Kansas City, Mo.
Gale Conrad H., Tulley, Mass.
Globe Packing Box Co., Washington & I. C. R. R., New Orleans, La.
Goodwillie Bros. (Pine & Basswood, Hemlock & Hardwood), 10 La Salle, Chicago, Ill.
Gray's Harbor Commercial Co. (Spruce), ft. of 3rd, San Francisco, Cal.
Great Western Lumber Co., 268 Market, San Francisco, Cal.
Great Western Lumber Co., Leavenworth, Wash.
Green A. H. Co., 97 Warren, New York
Green Bros. Box & Lumber Co., Rockford, Ill.
Griggs D. B. & Sons, Chicopee Falls, Mass.
Hahn J. N. Co., Cuyahoga & W 3d, Cleveland, O.
Handy Bros., Bay City, Mich.
Harroun J. E. & Son, Watertown, N. Y
Hasty J. F. & Sons, 21st & Standish, Detroit, Mich.
Heidt C. & Son, 64 Fairmount av, Jersey City, N. J.
Himmelberger-Harrison Lumber Co. (Gum, Oak, etc), Morehouse, Mo.
Holston Box & Lumber Co. (Tenn. Yellow Poplar), Knoxville, Tenn.
Hoquiam Sash & Door Co., Hoquiam, Wash.
Hutton & Bourbonnais Co., Hickory, N. C.
Jeffreys-Spaulding Mfg. Co., Chase City, Va.
Jordan Lumber Co., Old Town, Me.
Kaiser John H. Lumber Co., Eau Claire, Wis.
Kenfield-Lamoreaux Co. (Also Crating, Shooks & Heading), Washburn, Wis.
King-Ryder Lumber Co., Bonami, La.
Kress F. J. Box Co. (Shooks & Cratings), 2930 Liberty av, Pittsburgh, Pa.
Lansing Co. (Gum & Cottonwood), Lansing, Mich.
Lawrence Lumber Co., Lawrence, Mass.
Lea David M. & Co. (Pine), 1923 E Main, Richmond, Va.
Lindermann Box & Veneer Co., Eau Claire, Wis.
Long-Bell Lumber Co. (Yellow Pine), Kansas City, Mo.
Lunan J. & Sons, Fall River, Mass.
McFerson & Foster Co. (Cottonwood, Poplar & Gum), Evansville, Ind.
Malvern Lumber Co. (Shooks & Crating), Chemical bldg, St. Louis, Mo.
Marinette & Menominee Box Co. (White Pine Shooks & Crates, in Carload Lots), Marinette, Wis.
Marquette Box & Lumber Co. (Pine, Hemlock, Birch, Maple, etc), Marquette, Mich.
Melendy C. F., Nashua, N. H.
Mengel E. T., Bay City, Mich.
Mershon Eddy Parker Co. (Exp.), Saginaw, Mich.
Michigan Truck & Lumber Co. (Exp.), Holly, Mich.
Millard Lumber Co., New Hamburg, N. Y.
Miller Lumber Co., Marianna, Ark.
Moore & McFerren (Gum & Cottonwood), Memphis, Tenn.
Morrison Mill Co., Bellingham, Wash.
Newman J. J. Lumber Co. (Gum, Poplar & Pine), Scranton, Pa.
Nickless W. H., Bay City, Mich.
Northern Pine Crating Co. (Crating Shooks), Cass Lake, Minn.
Osgood & Blodgett Mfg. Co., Duluth av & E 7th, St. Paul, Minn.
Page Geo. G. Box Co., Cambridge, Mass.
Paine Lumber Co. (Ltd.), Oshkosh, Wis.
Parsons Mfg. Co., Chelsea, Mass.
Peart Nields & McCormick Co. (North Carolina Pine), Harrison bldg, Phila., Pa.
Peirce W. E. & Co., Milford, N. H.
Peninsular Box & Lumber Co., Menominee, Wis.
Peterson Bell & Co., Clinton, Ia.
Pierpont Mfg. Co. (Shooks & Crates), Savannah, Ga.
Pingree D. W. Co., Lawrence, Mass.
Pope-Cannon Box Co., Geneva, Ill.
Presbrey A. A. & Son Co., Summer, Providence, R. I.
Prescott Frauk R., Meredith, N. H.
Rathborne, Hair & Ridgway Co., 2279 S Union av, Chicago, Ill.
Red River Lumber Co. (Pine), 807 Hennepin av, Minneapolis, Minn.
Rice H. H. Co., South Athol, Mass.
Richards O. S., Inc., 87 34th, Brooklyn, N. Y.
Richards Shook Corp., 19 W 44th, New York
Rittler Box Co., 621 S Caroline, Baltimore, Md.
Ross Lumber Co., Knoxville, Tenn.
Rust-Owen Lumber Co. (Wisconsin Cork Pine), Drummond, Wis.
Sacramento Timber & Box Co., 268 Market, San Francisco, Cal.
Saginaw & Manistee Lumber Co., Williams, Arizona
St. Croix Paper Co., 244 Washington, Boston, Mass.
Seler Mill Co. (Spruce), Raymond, Wash.
Soper Lumber Co. (Pine, Hemlock, etc.), 2204 Loomis, Chicago, Ill.
Stevens Point Box & Lbr. Co., Stevens Point, Wis.
**STILES H. A. & CO.**, 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stone R. B. & Co. (Exp.), Spencer, Mass.
Superior Box Co., Superior, Wis.

SHOOKS (BOX)—continued

Surry Lumber Co. (N. C. Pine, Poplar & Gum), Union Trust bldg, Baltimore, Md.
Swayne Lbr. Co., Oroville, Cal.
Talbot Bros. Co., Grosvenor bldg, Providence, R. I.
Thompson G. A. & Sons, Hurlock, Md.
Thornton E. A. Lumber Co., 11 S La Salle, Chicago, Ill.
Traders Box & Lumber Co., Rochester, N. Y.
Treworgy Charles J., Ellsworth Falls, Me.
United Box & Lumber Co., Rochester, N. H.
Vance E. J. Box Co. (Ltd.), (Exp.), Bay City, Mich.
Varney Isaac & Sons Co. (Exp.), Fall River, Mass.
Verdi Lumber Co., Verdi, Nev.
Virginia Lumber & Box Co. (Shooks & Cratings), Petersburg, Va.
Ward-Kent Co. (Gum), Greenfield, Tenn.
Warlick Lbr. Co., Gilkey, N. C.
Wausau Box & Lumber Co., Wausau, Wis.
White, Gratwick & Mitchell, No. Tonawanda, N. Y.
Wilson Lumber & Box Co., Tonawanda, N. Y.
Wing-Engel Box Co., Old Town, Me.
Wood E. K. Lumber Co., 112 Market, San Francisco, Cal.
Woodstock Mfg. Co., Charleston, S. C.
Yeomans Box Co., 274 Wight, Detroit, Mich.

## 13571—Shooks (Tub, Bucket, Etc.)

Hamlen J. H. & Son, Portland, Me.
Langeland Mfg. Co. (Box), Muskegon, Mich.
Riggs Cypress Co. (Ltd.) (Also for Washing Machines, Ice Cream Freezers), Patterson, La.

## 13572—Shooting Galleries (Mechanical)

Mangels Wm. F. Co. (Steel), 2863 W 8th, Brooklyn, N. Y.
Mueller F. C. & Co., 1702 N Western av, Chicago, Ill.
Parker C. W., Leavenworth, Kans.
Smith A. J. Mfg. Co., 3247 W Van Buren, Chicago, Ill.

## 13573—Shooting (Oil & Gas Well)

Ohio Torpedo Co., Steubenville, O.

## 13574— Shot (Copper)

American Boron Products Co., Inc. (Boronic), Reading, Pa.
American Oil & Supply Co. (For Mfg. Jewelers), 238 Wilson av, Newark, N. J.

## 13575— Shot (Lead)

American Smelters Securities Co., 201 1st, San Francisco, Cal.
Bailey-Farrell Mfg. Co., 3d av & Ross, Pittsburgh, Pa.
Euston Process Co. (Buck Shot & Lead Bullets), Scranton, Pa.
Hoyt Metal Co., Boatmens' Bank bldg, St. Louis, Mo.
Lawrence Shot & Lead Co., Omaha, Neb.
Raymond Lead Co., 735 S Washtenaw av, Chicago, Ill.
Selby Smelting Works, (Drop, Chilled, etc), 201 1st, San Francisco, Cal.
Sperry D. R. & Co. (Black Finish), Batavia, Ill.
United Lead Co. ("Tatham's"), 111 B'way, New York

## 13575a—*Shot (Monel Metal)

**WILLIAMS & CO., INC.** (We sell Monel Metal Shot for making Castings, High-grade Material; Prompt Delivery), 901-937 Pennsylvania av, N. S., Pittsburgh, Pa. *See adv index at end of book*

WILLIAMS & CO. INC.
PITTSBURGH, PA.

## 13576— Shot (Nickel)

**INTERNATIONAL NICKEL CO.** (High and Low Carbon), 43 Exchange pl, New York
*See adv index at end of book*

United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
United States Nickel Co., New Brunswick, N. J.
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.
**WILLIAMS & CO. INC.,** 901-937 Pennsylvania av, N S Pittsburgh, Pa.
*See adv index at end of book*

## 13577— Shot (Steel Chilled)

Globe Steel Co. ("Globe," Shot, Grit & Abrasives, also "H. C." Polishing Shot), Mansfield, Ohio
Harrison Supply Co. ("New Process"), 209 Washington, Boston, Mass.
Pittsburgh Crushed Steel Co., 61st & A. V. R. R., Pittsburgh, Pa.
Townsend, Townsend & Co. (Importers), 453 W 21st, New York

## 13578—Shot (Steel, Sand Blast)

Bowers R. C. Granite Co., Montpelier, Vt.
Globe Steel Co. ("Globe" Chilled Steel), Mansfield, O.

## 13579— Shot (Throwing)

Sperry D. R. & Co. (Black Finish), Batavia, Ill.

## 13580—Shovel, Spade & Scoop Mfrs.

See also Shovel & Spade Manufacturers

American Mfg. Co. ("Panama," "Suez," "Erie," "Handy-Andy"), Chattanooga, Tenn.
American Shovel & Stamping Co., Lorain, O.
Ames Shovel & Tool Co., Ames bldg, Boston, Mass.
Baldwin Tool Works (Vanadium), Parkersburg, W. Va.
Beall Bros., Alton, Ill.
Belknap John A., Anamosa, Ia.
Central Stamping Co. (Family Grocers Scoops), 172 Fulton, New York
Chisholm's Wm. Sons Co., 1588 E 40th, Cleveland, O.
Collins Co., Collinsville, Conn.
**COLONIAL SUPPLY CO.** (Shovels), 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Conneaut Shovel Co. ("Magyar," "Mik Kola," "Ronberg"), Conneaut, O.
Fairbanks Co. ("Fairbanks"), 416 Broome, New York.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hills Edwin, Plainville, Conn.
Hubbard & Co., ("Hubbard," "Wier," "Buck," "Rankin," "Wilson"), 63rd & Butler, Pittsburgh, Pa.
Indiana Rolling Mill Co., New Castle, Ind.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Maynard C. A., Northampton, Mass.
Neal B. B. Hardware Co. ("Yankee toothed"), 117 Leonard, New York
Ohio Shovel & Stamping Co. ("Bull Frog" Brand), Dover, O.
Osborn Mfg. Co. (Coal Shovels), 5401 Hamilton av, Cleveland, O.
*See adv index at end of book*
Owensboro Shovel & Tool Co. ("McCulloch," "Owensboro," "Kentucky," "Handy Andy"), Owensboro, Ky.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Gage & Supply Co. (Jobbers "Best-Ov-all," Contractors'), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa. Works: Leechburg, Pa.
Rochester Can Co. ("Iron Horse" Scoops, Coal, Ashes, etc., galvanized), Rochester, N. Y. *See adv index at end of book*
Russel J. C. Shovel Co., 336 4th av, Pittsburgh, Pa.
Sommer John Faucet ("Malt" Wood Shovels & "Grain" Wood Scoops), 355 Central av, Newark, N. J.
Swineford G. A. Co., Canton, O.
Union Furnace Mfg. Co., Union Furnace, Pa.
Waynesburg Pressed Steel Co., Waynesburg, Pa.
Wood Shovel & Tool Co., Piqua, O.
Wyoming Shovel Works, Wyoming, Pa.

## 13581— Shovels (Bakers')

Conneaut Shovel Co., Conneaut, O.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh. Works: Leechburg, Pa.
Watkins Jas. Y. & Son, 20 Catherine, New York

## 13582-3— Shovels (Cinder)

Conneaut Shovel Co. ("Conneaut"), Conneaut, O.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Jesup F. W. Inc., 90 W B'way, New York
Lalance & Grosjean Mfg. Co. ("Cottage" Japanned), 299 B'way, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.

## Shovels (Coal)

See Shovel, Spade & Scoop Mfrs.

## 13584— Shovels (Concrete)

Conneaut Shovel Co. ("Mikkola" Patent "Ronberg"), Conneaut, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Jesup F. W. Inc., 90 W B'way, New York
Neal B. B. Hardware Co. ("Yankee-toothed"), 117 Leonard, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.

## 13585— Shovels (Cultivator)

Albright Jas. H. & Sons, Mifflinburg, Pa.
Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
American Shovel & Stamping Co., Lorain, Ohio
Avery B. F. & Sons, Louisville, Ky.
Cambria Steel Co., Widener bldg, Phila, Pa.
Case J. I. Plow Works, Racine, Wis.
Crescent Forge & Shovel Co., Havana, Ill.
Gale Mfg. Co., Albion, Mich.
Hench & Dromgold Co., York, Pa.
Madison Plow Co., Madison, Wis.
Mason F. C. & Co., St. Johns, Mich.
Noll Bros., 849 Allis, Milwaukee, Wis.
Ohio Cultivator Co., Bellevue, O.
Parlin & Orendorff Co., Canton, Ill.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Star Mfg. Co., Carpentersville, Ill.

## 13585a— Shovels (Dirt)

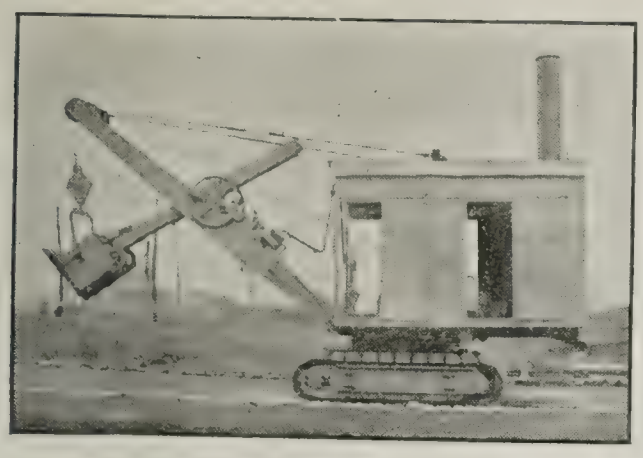
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O.
*See adv index at end of book*
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.

## 13586—Shovels (Electric Power)

American Steel Dredge Co., Ft. Wayne, Ind.
Ball Engine Co., Erie, Pa.
Browning Sommer Adams Co., Cleveland, O. *See adv index at end of book*
Bucyrus Co., South Milwaukee, Wis.
Marion Steam Shovel Co., P O Box 505, Marion, O.
Thew Automatic Shovel Co., Lorain, O.

## 13587— Shovels (Fire)

AMERICAN CAN CO., 120 Broadway, New York. *See adv index at end of book*
Central Stamping Co., 174 Fulton, New York
Crunden-Martin Mfg. Co. (Galvanized & Japanned), 2d & Gratiot, St. Louis, Mo.
Fanner Mfg. Co., Cleveland, O.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York



**The Browning Sommer Adams Co.**

Cleveland, Ohio

*Manufactors*

***Power Shovels***

***Locomotive Cranes***

***Electric Hoists***

New York Stamping Co. ("Edger's"), N 11th & Berry, Brooklyn, N. Y.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Republic Metalware Co., The, Buffalo, N. Y.
Rochester Can Co. ("Iron Horse" Railroad & Traction), Rochester, N. Y.
*See adv index at end of book*
Schrayer's M. Sons & Co., 917 W 18th, Chicago, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
Union Furnace Mfg. Co., Union Furnace, Pa.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 13588—Shovels (Gasoline for Power)

Browning Sommer Adams Co., Cleveland, O. *See adv index at end of book*
Bay City Dredge Works, Bay City, Mich.
Fairbanks Steam Shovel Co., Marion, O.
Marion Steam Shovel Co., P O Box 505, Marion, O.

## Shovels (Irrigating)

See Shovels, Steam

## 13589— Shovels (Lime)

American Mfg. Co., Chattanooga, Tenn.
Conneaut Shovel Co., Conneaut, O.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfeifer Jno. & Co. (Ltd.) (Cast Steel), 222 Race, Phila., Pa.

## 13590—Shovels (Mining Machine)

American Mfg. Co., Chattanooga, Tenn.
Beall Bros., Alton, Ill.
Conneaut Shovel Co. ("Magyar Unions"), Conneaut, O.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Hussey-Binns Shovel Co. (Crucible Cast Steel), 223 4th av, Pittsburgh, Pa. Works: Charleroi, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Marion Steam Shovel Co., P O Box 505, Marion, O.
Myers-Whaley Co., Knoxville, Tenn.
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Union Furnace Mfg. Co., Union Furnace Pa.

## 13591— Shovels (Moulders')

American Mfg. Co., Chattanooga, Tenn.
American Shovel & Stamping Co., Lorain Ohio
Beall Bros., Alton, Ill.
Conneaut Shovel Co., Conneaut, O.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Ohio Shovel & Stamping Co., Dover, Ohio
Osborne Mfg. Co., 5401 Hamilton av, Cleveland, O.
*See adv index at end of book*
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh. Works: Leechburg, Pa.
Stevens Frederic B., 3rd & Larned, Detroit, Mich. *See adv index at end of book*
Wood Shovel & Tool Co., Piqua, O.
Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.

## 13592—Shovels (Power, Grain)

Chain Belt Co., Milwaukee, Wis.
Great Western Mfg. Co., Leavenworth, Kans.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Philadelphia, Pa.
*See adv index at end of book*
Webster Mfg. Co., 4500-60 Cortland, Chicago, Ill.
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner, Chicago, Ill.
Wolf Co. ("Clark" Automatic), Chambersburg, Pa.

## 13592a— *Shovels (Scoop)

See also Shovel, Spade & Scoop Mfrs.

Osborne Mfg. Co., 5401 Hamilton av, Cleveland, O.
*See adv index at end of book*

## 13593— Shovels (Sewer)

American Mfg. Co., Chattanooga, Tenn.
Ball Engine Co. (Revolving Steam), Erie, Pa.
Conneaut Shovel Co. (D & Long Handle, Round Point), Conneaut, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Wood Shovel & Tool Co., Piqua, O.

## 13594— Shovels (Sink)

Brown W. G. Mfg. Co., Kingston, N. Y.
Hamblin & Russell Mfg. Co., Worcester, Mass.

## 13595— Shovels (Snow)

Aldrich B. W. & Co. ("Adams," "Hoadley," "Popular"), Wallingford, Vt.
American Shovel & Stamping Co. (Steel), Lorain, O.
Beall Bros., Alton, Ill.
Buffalo Metal Furniture Mfg. Co. (Steel & Galvanized), Buffalo, N. Y.
Combination Ladder Co., 366 Fountain, Providence, R. I.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hills Edwin, Plainville, Conn.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Hussey-Binns Steel Co. (Cast Steel), 223 4th av, Pittsburgh, Pa. Works: Charleroi, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Kohler F. E. Co., Canton, O.
Ohio Shovel & Stamping Co., Dover, Ohio
Owensboro Shovel & Tool Co., Owensboro, Ky.
Owosso Mfg. Co. (Galvanized Steel Blade also Wood), Owosso, Mich.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Prentice F. W. & Co., Adrian, Mich.
Rugg Mfg. Co. ("Rugg," Wood & Steel, Galvanized & Toy), Greenfield, Mass.
Sweet A. H. & Son, Norton, Mass.
Swineford G. A. Co. (Seamless, Flat & Hollow Back), Canton, O

## 13596— Shovels (Steam)

See also Buckets, Clam Shell, Etc.

American Steel Dredge Co., Ft. Wayne, Ind.
Ball Engine Co. (Revolving), Erie, Pa.
Browning Co., E 162d & Waterloo rd, N. E., Cleveland, O.
**BROWNING SOMMER ADAMS CO.**, Cleveland, O., Mansfield, Ohio, & College Point, N. Y.
*See adv index at end of book*
Bucyrus Co. ("Atlantic," "Bucyrus" & Also Electric), South Milwaukee, Wis.
Duncan (The) Co., 508 Water, Toledo, O.
Fairbanks Steam Shovel Co., Marion, O.
Green L. A., First National Bank bldg, Pittsburgh, Pa.
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Jesup F. W. & Co., Inc., 90 W B'way, New York *See adv index at end of book*
**KEYSTONE DRILLER CO.** ("Keystone") Beaver Falls, Pa.
*See adv index at end of book*
**KLEINHANS H. CO.** (Second Hand), Union Arcade, Pittsburgh, Pa.
*See adv index at end of book*
Luther Frederick P. Co., 14 E Jackson blvd, Chicago, Ill.
**MACHINERY SALES CO.**, Old Colony bldg, Chicago, Ill.
Marion Steam Shovel Co., P O Box 505, Marion, O
Moore Bros. (Second Hand), 39 S La Salle, Chicago, Ill. *See adv index at end of book*

SHOVELS (STEAM)—continued

Osgood Co., Marion, Ohio
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Roanoke Iron Works, Roanoke, Va.
Souther John & Co., 101 Tremont, Boston, Mass.
Thew Automatic Shovel Co., Lorain, O.
Toledo Foundry & Machine Co. ("Victor"), Toledo, O.

## 13597—Shovels (Steam, Second-Hand)

Apex Equipment Co., 63 Wall, New York
Dunkle Arthur J. Co., 50 Church, New York
Males Co., 2226 Fulton av, Cincinnati, O.
Mitshkun M. Co., 985 Dix, Detroit, Mich.
Shaw Willis, 80 E Jackson Boul., Chicago, Ill.
Torbert A. C. Equipment Co., 208 S La Salle, Chicago, Ill.
Warner P. B., Sedamsville, Culloms Station, Cincinnati, O.
Watson Jno. B., Witherspoon bldg, Phila, Pa.
Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 13598— Shovels (Tamping)

Conneaut Shovel Co., Conneaut, O.
Fisher & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Jesup F. W. & Co., Inc., 90 W B'way, New York
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.

## 13599— Shovels (Telegraph)

See Also Spoons, Digging

Beall Bros., Alton, Ill.
Columbus Handle & Tool Co. (Post Hole, Reinforced Handle), Columbus, Ind.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Jackson Shovel & Tool Co., Montpelier Ind.
Jesup F. W. & Co., Inc., 90 W B'way, New York
Owensboro Shovel & Tool Co., Owensboro Ky.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co. Oliver bldg, Pittsburgh, Pa. Works: Leechburg, Pa.
Union Furnace Mfg. Co., Union Furnace, Pa.

## 13599a— *Shovels (Track)

Frick & Lindsay (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Osborn Mfg. Co., 5401 Hamilton av, Cleveland, O. *See adv index at end of book*

## 13600—Shovels & Spades (Drain & Tiling)

American Mfg. Co., Chattanooga, Tenn.
Ames Shovel & Tool Co., Ames bldg, Boston, Mass.
Boss Tile Spade Co., Anamosa, Ia.
Farmers' Cement Tile Machine Co., St. Johns, Mich.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Iwan Bros. ("Iwan's" Open Back & Skeleton), South Bend, Ind.
Ohio Shovel & Stamping Co., Dover, Ohio
Osmundson Spade Mfg. Co. ("King"), Perry, Iowa
Owensboro Shovel & Tool Co., Owensboro, Ky.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa.
Wood Shovel & Tool Co., Piqua, O.

## 13601— Show Cases

American Nickel Works, 1415 Dayton, Chicago, Ill.
American Show Case Co., 289 Greenpoint av, Brooklyn, N. Y.
Ammann Mfg. & Construction Co., 155 av D, New York
Atlanta Show Case Co., Atlanta, Ga.
Atlantic Show Case Co., 438 73rd, Brooklyn, N. Y.
Barlow Co., Holyoke, Mass.
Beardslee-Graham Show Case Co., Seattle, Wash.
Becker P. A. Co., 132 Cumberland, Brooklyn, N. Y.
Bisle, Chas. F. & Sons Co., 381 W 12th, New York
Blitz Bros., 450 N Hermitage av, Chicago Ill.
Bodach Chas. & Sons, 314 S Franklin, Chicago, Ill.
Bryan Show Case Co. (Also Bread Cases), Bryan, O.
California Show Case Co., Los Angeles, Cal.
Columbus Show Case Co. (Also All Glass), 423 N Grant av, Columbus, O.
Cox S. S. Show Case Co., N Manchester, Ind.
Crane Glass & Mfg. Co. (All Glass), 206 St. Clair av, Cleveland, O.
Dallas Show Case & Mfg. Co., Dallas, Tex.
Decatur Fountain Co., Decatur, Ill.
Detroit Show Case Co. ("Silent Salesman"), 480 Fort W, Detroit, Mich.
Detroit Store Fixture Co., 16 Catharine, Detroit, Mich.
Diamond Show Case Co., 2210 Superior, N W, Cleveland, O.
Duluth Show Case Co., Duluth, Minn.
Dutch A. & Co., 148 Seneca, Buffalo, N. Y.
Ehrlich, H. & Sons Mfg. Co., St. Joseph, Mo.
Fox Z. F. & Son, Freeport, Mich.
Ganter F. X. Co., c Sharp & Ostend, Baltimore, Md.
Geissler Chas. C., 62 N 4th, Phila., Pa.
Glaser Rohrer & Co., 502 E 74th, New York
Grand Rapids Hand Screw Co., Grand Rapids, Mich.
Grand Rapids Show Case Co., Grand Rapids, Mich.
Hamburger E. & Co., 139 Emerson pl, Brooklyn, N. Y.
Himmel M. L. & Son ("Brilliant Ideal"), 113 Gay, Baltimore, Md.
Houston Show Case & Mfg. Co., Houston, Tex.
Huck Mfg. Co., Quincy, Ill.
Illinois Show Case Works (Inc.), 1735 N Ashland av, Chicago, Ill.
Jackson A. R. Kansas City Show Case Works Co., 620 E 3rd, Kansas City, Mo.
Jones James H. S., 39 William, Bridgeport, Conn.
Jorgeson F. C. & Co., 159 N Ann, Chicago, Ill.
Kawner Mfg. Co. (Metal), Niles, Mich.
Knittel Joseph Show Case Co., Quincy, Ill.
Leeds Kyle W., Kansas City, Mo.
Lutke Mfg. Co., 6th & Hoyt, Portland, Ore.
Lyons Hugh & Co., Lansing, Mich.
McLean W. B. Mfg. Co., 729 Herron av, Pittsburgh, Pa.
Mailander Co., Waco, Texas
Michigan Show Case Co. ("Wolverine"), 480 Fort W, Detroit, Mich.
National Show Case Co., Columbus, Ga.
National Show Case Co., 154 W 14th, New York
Northey Mfg. Co. (Refrigerated), Waterloo Iowa
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Phoenix Sliding Blind Co., Phoenix, N. Y.
Pynn & Cameron, Boston, Mass.
Quincy Show Case Works, Quincy, Ill.
Reinle Salmon Co., Warner & Stockholm, Baltimore, Md.
Robin-Hirsch Co., 258 Canal, New York
Rochester Show Case Works, Rochester, N. Y.
Russell A. N. & Sons Co., Ilion, N. Y.
Saginaw Show Case Co., Ltd., Saginaw, Mich.
Segale Mfg. Co. (All Glass), 68 E Spring, Columbus, O.
Selmore, Inc. (Counter Display Cases), 35 E 12th, New York
Shaw Show Case Co., Seattle, Wash.
Statesville Show Case Co., Statesville, N. C.
Storandt J. W. Mfg. Co., Rochester, N. Y.
Strauss Wm., 416 Arch, Phila., Pa.
Sun Mfg. Co., Columbus, O.
Waddell Co., Greenfield, O.
Walrus Mfg. Co., Decatur, Ill.
Washburn Williams & Co., Scranton, Pa.
Whitcomb Cabinet Co., Kansas City, Mo.
Wilmarth Show Case Co., Grand Rapids, Mich.
Winter Co., Sheboygan, Wis.
Wolf, Sayer & Heller ("Sayer" Butchers' Show Cases), Fulton & Peoria, Chicago Ill.
Yesbera Mfg. Co., Toledo, O.

## 13602—*Show Windows (Automatic Elevating)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*

## Shrapnel Mfrs.

See Ammunition; also Shells; also Projectiles, Steel

## 13602a— Shredders (Cane)

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 13603— Shredders (Chip)

Getz M. & Co., 162 First, San Francisco, Cal.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Mitts & Merrill, Saginaw, Mich.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 13604—Shredders (Corn Cob)

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 13605—Shredders (Corn, Family)

Reading Saddle & Mfg. Co., Reading, Pa.

## 13606— Shredders (Fodder)

Advance-Rumely Thresher Co., La Porte, Ind.
Appleton Mfg. Co. ("Appleton"), Batavia, Ill.
Dick Jos. Mfg. Co., Canton, O.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O. *See adv index at end of book*
Paper Mach. Co., Shortsville, N. Y.
Ross E. W. Co., Springfield, O.
Silver Mfg. Co. ("New Ohio," "Perfection"), No. 256, Salem, O.
Smalley Mfg. Co., Manitowoc, Wis.
Wilder-Strong Imp. Co., Monroe, Mich.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 13607—Shredders (Frozen Pulp Reduction)

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Ryther & Pringle Co., Carthage, N. Y.

## 13608— Shredders (Ice)

Giles & Nielsen Nickel Works, Troy, N. Y.
Wrightsville Hardware Co. ("Brighton," "L. S. I. Co."), Wrightsville, Pa.

## 13609—Shredders (Leather Scrap)

BEACH-RUSS CO., 216-224 B'way, New York *See adv index at end of book*
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*

## 13610—Shredders (Potato & Turnip)

Disston Hy. & Sons, Tacony, Phila., Pa.

KINNEAR ROLLING · DOORS

For the protection of openings in fire walls, vertical shafts and exterior window and door exposures. Constructed under the supervision of the Underwriters' Laboratories, Inc., and inspected and labeled by their representative at the factory.

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**THE KINNEAR MANUFACTURING COMPANY**

**716-766 Field Avenue, Columbus, Ohio, U. S. A.**

## 13611—Shredders (Sugar Cane)

Jeffrey Mfg. Co., 961 N Fourth, Columbus, O. *See adv index at end of book*
Newell Mfg. Co. ("National"), 149 B'way, New York
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.

## 13612—Shrinkers (Tire & Axle)

**See also Upsetters, Tire**

**American Scale Co., Kansas City, Mo.**
**Buffalo Forge Co., Buffalo, N. Y.**
**Canedy-Otto Mfg. Co. ("Western Chief"), Chicago Heights, Ill.**
Champion Blower & Forge Co. ("Champion," "Lancaster," "American," "Star"), Lancaster, Pa.
**Illinois Iron & Bolt Co. ("Magic," "Mole," "Stoddard," "Vulcan"), Carpentersville, Ill.**
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Potts D. H. Co., Lancaster, Pa.
**Rockford Mfg. Co., Rockford, Ill.**
**Southern Skein & Forv. Co., Chattanooga, Tenn.**

## 13613— Shutter Workers

**See also Fasteners, Blind**

Corbin P. & F., New Britain, Conn.
Mallory Manufacturing Co. ("Mallory's Improved"), Flemington, N. J.
**Quincy Foundry & Novelty Co. ("Pitney"), Quincy, Ill.**
Russell & Erwin Mfg. Co., New Britain, Conn.

## 13614—Shutters (Fire, Automatic)

Alignum Fireproof Products Co., Inc. (Asbestos), So. River, N. J., & 356 Lexington av, New York *See adv index at end of book*
**COBURN TROLLEY TRACK MFG. CO.** ("Coburn"), P. O. Box 127, Holyoke, Mass.
Lane Bros. Co., Poughkeepsie, N. Y.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn. *See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 13615— Shutters (Steel)

**Barnes & Nuss Co., Grand Forks, N. D.**
Barnum E. T. Wire & Iron Wks., 864 Woodward, Detroit, Mich.
**Beckley Perforating Co., Garwood, N. J.**
Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati, Ohio
Cornell Iron Works, 26th & 11th av, New York
**DAHLSTROM METALLIC DOOR CO.** (Hollow Metal), 413 Buffalo, Jamestown, N. Y. *See adv index at end of book*
**Dickelman Mfg. Co., Forest, O.**
Eller Mfg. Co., Canton, O.
Fleck M. (For Buildings), 338 E 134th, New York
**International Steel & Iron Construction Co., Evansville, Ind.**
**KINNEAR MFG. CO.** (Rolling and Iron), 716-766 Field av, Columbus, O. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
**Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.**
Mesker Geo. L. & Co., Evansville, Ind.
**Meyers Fred J. Mfg. Co., Hamilton, O.** *See adv index at end of book*
**Milwaukee Corrugating Co., Milwaukee, Wis.**
Peerless Steel Shutter Co., Lyric bldg, Richmond, Va.
**Penn Metal Ceiling & Roofing Co. (Ltd), 23d & Hamilton, Phila., Pa.**
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn. *See adv index at end of book*
Smith F. P. Wire & Iron Wks., 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Souther E. E. Iron Co. (Corrugated, Fire, etc.), **Kienlin & Hamburger, St. Louis, Mo.**
**Steel Roofing & Stamping Wks, Des Moines, Iowa**
**Steelite Co., 1902 W 77th, Cleveland, O.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
Variety Mfg. Co. (Iron & Tin Clad Window), 2958 Carroll av, Chicago, Ill.

## 13616—Shutters (Steel Rolling)

Cahill, Edward, 440 W 42nd, New York
**CORNELL IRON WORKS** (Smallest Shutters to Largest Doors), 26th & 11th av, New York
Harris S. H. Co., 2424 W 22d, Chicago, Ill.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
**Johnson Geo. W. Mfg. Co., St. Louis, Mo.**
**KINNEAR MFG. CO.,** 716-766 Field av, Columbus, O. *See adv index at end of book*
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Perkins Mfg. Co., University & Fairview avs, St. Paul, Minn. *See adv index at end of book*
Smith F. P. Wire & Iron Wks., 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O. *See adv index at end of book*
Variety Mfg. Co., 2958 Carroll av, Chicago, Ill.
**WILSON J. G. CORP'N** ("Salamander"). **Chief Office, 8 W 40th, New York; Mills & Factory: Norfolk, Va.** *See adv index at end of book*

## 13617—Shutters (Wood Rolling)

Grant Pulley & Hdw. Co., 101 Park av, N. Y.
**KINNEAR MFG. CO.,** 716-766 Field av, Columbus, O. *See adv index at end of book*
Peirce W. E. & Co., Milford, N. H
**WILSON J. G. CORP'N.** Chief Office, 8 W 40th, New York. Mills & Factory: Norfolk, Va. *See adv index at end of book*

**Wilson's Rolling Steel Doors**

*Established 1876*

For Freight Sheds
Warehouses
Garages, etc.

Fire Doors, Underwriter Label Service, Rolling Partitions, Folding Partitions, Awning and Venetian Blinds, School Wardrobes.

*Offices in Principal Cities*

The J. G. Wilson Corporation
8 West 40th Street New York

## Sickles (Mower & Reaper)

See Knives, Mower & Reaper

## 13618—Side Dressers for Side Files

Covel Mfg. Co., Benton Harbor, Mich.

## 13619—Side Edges (Plumbers')

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

## 13620-1—Side Files for Saws

Covel Mfg. Co., Benton Harbor, Mich.
Port Huron Engine & Thresher Co., Port Huron, Mich.

## Sidewalk Lights

See Vault & Sidewalk Lights, Plain & Prismatic

## Siding (Steel)

See Roofing & Siding, Iron & Steel; also Steel, Brick & Rock Face Sidings

## 13621a— Sienna

General Commercial Co., Ltd., of U. S. A. (Imp.), 295 B'way, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Smith J. Lee & Co., (Imp, Raw & Burnt), 19 Jacob, New York

## 13622— Sieves (Ash)

Butler Mfg. Co. (Rocker), Kansas City, Mo.
Central Stamping Co. ("Central"), 174 Fulton, New York
**Diener Geo. W. Mfg. Co. ("Peerless"), 400** Monticello av, Chicago, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Hessler H. E. Co., Syracuse, N. Y.
Hill Clothes Dryer Co. ("Hustler"), Worcester, Mass.
Jelliff Geo. H. & Son ("Rival"), New Canaan, Conn.
Parker Wire Goods Co. ("Boston"), Worcester, Mass.
Rochester Can Co. ("Iron Horse" Ash Only, Galvanized), Rochester, N. Y.
*See adv index at end of book*
Success Mfg. Co. ("Triumph"), Gloucester, Mass.
Wayne Mfg. Co., 2009 N Croskey, Phila., Pa.

## 13623—Sieves (Cement Testing)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Multi-Metal Separating Screen Co., 251 W 19th, New York
Ulmer J. C. Co., E 38th & Kelly, Cleveland, O.

## 13623a—*Sieves (Chemists)

Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
*See adv index at end of book*

## 13624— Sieves (Flour)

Buffalo Wire Works Co., 453 Terrace, Buffalo, New York
*See adv index at end of book*
Central Stamping Co. (Seamless Metallic), 174 Fulton, New York
Day J. H. Co. (Sifters Only), Cincinnati, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Jelliff Geo. H. & Son, New Canaan, Conn.
Lalance & Grosjean Mfg. Co., 299 B'way, N. Y.
**MEYERS FRED J. MFG. Co. ("Hunter's"** "Favorite"), Hamilton, O.
*See adv index at end of book*
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
*See adv index at end of book*

Parker Wire Goods Co. ("Majestic," "Columbia," "Standard," "Hunter," "Nameless," "Universal" & "Star Rotary"), Worcester, Mass.
Roseland Can & Specialty Co. ("Apex," "Standard," "Rockford," "Pastry"), Rockford, Ill.
Schlesinger Leo. & Co. ("Excelsior"), 66 Wooster, New York
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 13625— Sieves (Testing)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Kress & Co., 29-33 Lafayette, New York
**NEWARK WIRE CLOTH CO.**, 223 Verona av, Newark, N. J.
*See adv index at end of book*
Sprout, Waldron & Co., Muncy, Pa.
*See adv index at end of book*
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*

## 13626— *Sieves (Wire)

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*

## 13627—Sifters (Ash & Coal)

Aurora Steel Products Co. ("Little Wonder"), Aurora, Ill.
**Diener Geo. W. Mfg. Co. ("Peerless"),** 400 Monticello av, Chicago, Ill.
**Gem Stamped Steel Co. ("Gem"), Chelsea,** Mass.
Gier Pressed Steel Co. ("Lancing" Ash), Lansing, Mich.
**Hessler H. E. Co. ("Wonder"), Syracuse,** N. Y.
Hill Clothes Dryer Co. ("Hustler"), 40 Central, Worcester, Mass.
**Jelliff Geo. H. & Son, New Canaan, Conn.**
National Can Co. ("National"), 38 Washington, No. Boston, Mass.
**National Enameling & Stamping Co.** ("Nesco"), 411 5th av, New York
Rochester Can Co. ("Iron Horse," Ash Only), Rochester, N. Y.
*See adv index at end of book*
Steinfeld Bros., 116 W 32d, New York
Success Mfg. Co. ("Perfection," "Triumph"), Gloucester, Mass.
Wickwire Bros. (Metallic), Cortland, N. Y.

## 13628— Sifters (Flour)

**Andrews Wire & Iron Works, Rockford, Ill.**
Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**Barnard & Leas Mrg. Co. ("Plansifter"), Moline, Ill.**
**Clark J. L. Mfg. Co. ("Gem" Rotary & Shaker), Rockford, Ill.**
**Iddings Co. ("Star-Peerless" Flour Bin & Sifter), Warren, O.**
**National Enameling & Stamping Co.** ("Columbia" Bin & Sifter), 411 5th av, New York
Nordyke & Marmon Co., Kentucky & Morris av, Indianapolis, Ind.
**PEORIA CAN CO. ("No-Name"), Peoria,** Ill.
Republic Metalware Co., The ("Shaker"), Buffalo, N. Y.
Robinson Mfg. Co., Muncy, Pa.
Sprout, Waldron & Co., Muncy, Pa.
Stuber & Kuck (Tinaware), Peoria, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wolf Co., Chambersburg, Pa.

## 13629— Sifters (Plaster)

Potato Implement Co., Traverse City, Mich.

## 13630— Sifters (Sand)

Arcade Mfg. Co., Freeport, Ill.
Brass Founders Supply Co., Wilson av, Newark, N. J.
Clearfield Machine Shops, Clearfield, Pa.
Gem Stamped Steel Co., Chelsea, Mass.
Great Western Mfg. Co., Leavenworth, Kans.
Hanna Engineering Works (Pneumatic & Electric), 1764 Elston av, Chicago, Ill.
Herman Pneumatic Machine Co. (Pneumatic), Zellenople, Pa.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Pangborn Corp., Hagerstown, Md.
Paxson J. W. Co., 1021 No. Deleware av, Philadelphia, Pa.
Rich Fdry. Equipment Co. ("Duplex" Elec Pneumatic), 2528 W 48th pl, Chicago, Ill.
Standard Sand & Machine Co. (Revolving "Standard" Adjustable Portable), **5150 St. Clair av, Cleveland, O.**
Turner Machine Co. (Portable Motor Driven), 3632 N Lawrence, Phila., Pa.
Worthington Pump & Machy. Corp. (Steam, Pneumatic or Electric), 115 B'way, New York *See adv index at end of book*

## 13631—Sifters (Sliding Motion)

Patterson Foundry & Machine Co. ("Patterson" for Wet & Dry Materials), **East Liverpool, O.**

## 13632—*Sight Feeds for Oiling Devices

**LUNKENHEIMER CO.**, Executive Offices and Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 13633—*Sight Feeds for Oiling Systems

**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

**NUGENT, WM. W. & CO.,** 146 W. Superior, Chicago, Ill.
*See adv index at end of book*

## 13633a—Sights (Gun & Rifle)

Bausch & Lomb Optical Co. (Telescopic, for Army & Navy), Rochester, N. Y.
Bethlehem Steel Co., S Bethlehem, Pa.
**Lyman Gun Sight Corp., Middlefield, Conn.**
**Marble Arms & Mfg. Co. ("Marble's Flexible Special"), Gladstone, Mich.**
Savage Arms Corp., Utica, N. Y.
Stevens J. Arms Co., Chicopee Falls, Mass.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 13634— Sights (Level)

Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

## 13634a—*Sign Display Stands

**NELKE L. D. SIGNS NEW YORK, INC.,** 18 W 36th, New York
*See adv index at end of book*
**STANDARD ADVERTISING SIGN CO.,** 16 W 36th, New York

## 13635—Sign Materials (Wood)

Matthew Jas. H. (Marking Outfits), 3942 Forbes, Phila., Pa.
Spanjer Bros. (Letters, Figures, Trademarks, Models, Monograms, etc.), 198 Badger av, Newark, N. J.

## 13636—*Signal Apparatus (Air)

**WESTINGHOUSE TRACTION BRAKE CO.,** Pittsburgh, Pa.

## 13637—*Signal Apparatus (Electro-Pneumatic)

**WESTINGHOUSE TRACTION BRAKE CO.,** Pittsburgh, Pa.

## 13638— Signal Car Lights

Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Smith of N. Y. Co., 1 Franklin sq, New York
Star Headlight & Lantern Co., Rochester, N. Y.

## Signal Cord

See Cords, Sash

## 13638a—Signaling Devices (Electrical)

**CROSBY STEAM GAGE & VALVE CO.** ("Crosby" Steam Whistle), 40 Central, Boston, Mass.
*See adv index at end of book*

Holtzer-Gabot Electric Co., 125 Amery, Boston, Mass.
Lovested C. M. & Co., 316 1st av, So. Seattle, Wash.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*

## 13639— Signals (Air Brake)

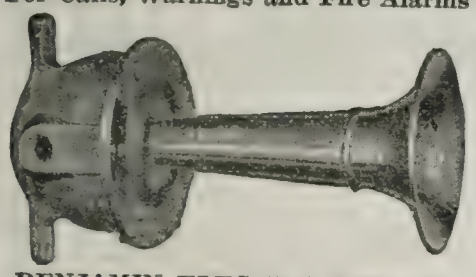
New York Air Brake Co., 165 B'way, New York
**WESTINGHOUSE AIR BRAKE CO.,** (Apparatus), Pittsburgh, Pa.

## 13640—Signals (Audible & Visual)

Benjamin Electric Mfg. Co., 120-128 S Sangamon, Chicago, Ill.
*See adv index at end of book*


BENJAMIN PRODUCTS

**INDUSTRIAL SIGNALS**
**For Calls, Warnings and Fire Alarms**



**BENJAMIN ELECTRIC MFG. CO.**
**New York Chicago San Francisco**


Holtzer-Gabot Electric Co., 125 Amery, Boston, Mass.
Wright Traffic Signal Co., 134 Opera pl, Cincinnati, Ohio

## 13640a—Signals (Automatic Calling)

American Watchman's Clock Co., 150 Nassau, New York
Cleveland Magnetic Watchman's Clock Co., 150 Nassau, New York
Holtzer-Gabot Electric Co., 125 Amery, Boston, Mass.
Lovested C. M. & Co., 316 1st av, Seattle, Wash.
Pettes & Randall- Co., 150 Nassau, New York

## 13641—Signals (Block System)

Federal Signal Co. (Automatic Electric Block), Albany, N. Y.
General Railway Signal Co. ("G. R. S." Continuous Track Circuit Automatic), Rochester, N. Y.
Railroad Supply Co. ("Chicago"), 203 S Dearborn, Chicago, Ill.
**UNION SWITCH & SIGNAL CO., THE** (Automatic, Electric & Pneumatic Semaphore), Swissvale, Pa.
United States Electric Signal Co. ("U. S." Automatic), West Newton, Mass.

## 13642— Signals (Distress)

**Coston Signal Co. (Ship Rockets & Water Lights), 24 Water, New York**
Galbraith C. C. & Son, 90 West, New York

## 13643—Signals (Electric Mine)

Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Flint Electric & Mfg. Co., 1402 Delgany, Denver, Colo.
Lovested C. M. & Co., 316 1st av, Seattle, Wash.
United Electric Apparatus Co. ("Ziegler"), 1529 Columbus av, Boston, Mass.

## 13644—Signals (Electric Railway)

Blake Signal & Mfg. Co., 251 Causeway, Boston, Mass.
Commercial Elect. Sign Co., 440 W. 46th, New York
Consolidated Car Heating Co. (Inside Car Signals), Albany, N. Y.
Eureka Automatic Electric Signal Co., Tamaqua, Pa.
Federal Signal Co., Albany, N. Y.
General Railway Signal Co. ("G. R. S." Continuous Track Circuit, Automatic Block Signal), Rochester, N. Y.
Hall Switch & Signal Co., 50 Church, New York
Machod Signal Co., Inc., Louisville, Ky.
Simmen Automatic Railway Signal Co., ("Simmen" System), 1575 Niagara, Buffalo, N. Y.
**UNION SWITCH & SIGNAL CO., THE** (Interlocking), Swissvale, Pa.
United Electric Apparatus Co. ("Ziegler"), 1529 Columbus av, Boston, Mass.
United States Electric Signal Co. ("U. S Automatic Block Signals), West Newton, Mass.
Wood Chas. N. Co. ("Chapman," Automatic), 14 Federal, Boston, Mass.

## 13645—Signals (Factory & Office)

Autocall Co., Shelby, O.
Benj. El. Mfg. Co. (Relay), 120-128 S Sangamon, Chicago, Ill.
Couch S. H. & Co., Norfolk Downs, Mass.
Electro-Call Signal Co., 1591 Columbus rd, Cleveland, O.
Federal Sign System, 8700 S State, Chicago, Ill.
Holtzer-Gabot Electric Co., 125 Amery, Boston, Mass.
Lovested C. M. & Co., 316 1st av, S Seattle, Wash.
National Scale Co., 11 Hendricks, Chicopee Falls, Mass.
Nichals-Lentern Co., 8404 Lorain av (Indicating), Cleveland, O.
Ohio Signal Co., Canton, O.
Scribner A. C. Mfg. Co., Gloversville, N. Y.
Severance Elect. Co. (Hartford), Boston, Mass.
Standard Electric Time Co. ("Standard" Electric), Springfield, Mass.
Stanley & Patterson, 23 Murray, New York
Tele-Call Co. ("Tele-Call"), 1209 Marquette rd, Cleveland, O.
Winkler & Reichmann, 5 S Wabash av, Chicago, Ill.

## 13646—Signals (For Follow-Up Systems)

Graff Geo. B. Co. ("Graffco Vise"), 294 Washington, Boston, Mass.

## 13647— Signals (Hospital)

See also Annunciators

Automatic Enunciator Co., 1001 W Van Buren, Chicago, Ill.
Bryant Electric Co., Bridgeport, Conn.
Chicago Signal Co., 522 S Clinton, Chicago, Ill.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Novelty Electric Co., 50 N 4th, Phila., Pa.
Winkler & Reichmann, 5 S Wabash av, Chicago, Ill.

## 13648—Signals (Interlocking Systems)

Federal Signal Co. (Interlocking Manuel & Electric), Albany, N. Y.
General Railway Signal Co., Rochester, N.Y.
**UNION SWITCH & SIGNAL CO., THE** Swissvale, Pa.

## 13649—Signals (Pneumatic)

**AMERICAN SAFETY LAMP & MINE CO.** ("Jones"; also "American"), Scranton, Pa.
Everhart Brass Works ("Everhart" for Mines), Scranton, Pa.
General Railway Signal Co., Rochester, N. Y.
**UNION SWITCH & SIGNAL CO., THE** ("Westinghouse" Electric Interlocking), Swissvale, Pa.

## 13650— Signals (Police)

Gamewell Fire Alarm Telegraph Co., 70 E 45th, New York
Utica Fire Alarm Telegraph Co., Utica, N. Y.

## 13651—Signals (Railway Cab)

Simmen Automatic Railway Signal Co., 1575 Niagara, Buffalo, N. Y.

## 13652—Signals (Railway Crossing)

See also Gates, Railway Crossing; also Railway Supplies; also Frogs, Switches, & Crossings

A. G. A. Railway Light & Signal Co., Elizabeth, N. J.
Baltimore Enamel & Novelty Co. (Enameled Steel), 4 E Redwood, Baltimore, Md.
Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Brach L. S. Supply Co., 129 Sussex av, Newark, N. J.
Bryant Mfg. Co., 456 W Ontario, Chicago, Ill.
Bryant Zinc Co. (Illuminated Highway), 600 Orleans, Chicago, Ill.
Consolidated Car Heating Co., Albany, N. Y.
Electric Service Supplies Co. ("Keystone" Highway), 17th & Cambria, Phila., Pa.
Federal Signal Co., Albany, N. Y.
General Railway Signal Co., Rochester, N. Y.
Hall Switch & Signal Co., 50 Church, New York
Handlan-Buck Mfg. Co. ("Newton's"), 210-14 N 3d. St. Louis, Mo.
Hoeshen Mfg. Co., Omaha, Neb.
Kalamazoo Railway Supply Co. (Electrical & Mechanical), Kalamazoo, Mich.
Machod Signal Co., Inc., Louisville, Ky.
Railroad Supply Co. ("Chicago" and "Wig Wag" Highway Crossing Alarms for Steam Railroads), 203 S Dearborn, Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.
Shave Furnace & Metal Appliance Co., W Warren av & S Delaware, Denver, Col.
Standard Railway Gate Co., Saginaw, Mich.
Taite Railway Signal Co., Coatesville, Pa.
**UNION SWITCH & SIGNAL CO., THE,** Swissvale, Pa.
United Electric Apparatus Co. ("Ziegler"), 1529 Columbus av, Boston, Mass.

## 13653— Signals (Switch)

**Bethlehem Steel Co., So. Bethlehem, Pa.**
Buda Co., Railway Exch. bldg, Chicago, Ill.
Federal Signal Co., Albany, N. Y.
General Railway Signal Co., Rochester, N. Y.
Ramapo Iron Works, Hillburn, N. Y.
**UNION SWITCH & SIGNAL CO., THE,** Swissvale, Pa.

## 13654—Signals (Train Order)

Adams & Westlake Co. (Telegraph), 319 W Ontario, Chicago, Ill.
Federal Signal Co., 52 Vanderbilt av, New York
General Railway Signal Co., Rochester, N. Y.

## 13655—Signs (Advertising)

Adams E. P. Co., 170 Summer, Boston, Mass.
Adco, Inc., 381 4th av, New York
Am. Sign Co., Kalamazoo, Mich.
Aultman & Locke, 458 Jefferson, Milwaukee, Wis.
Bachrach & Co., 577 Market, San Francisco, Cal.
Barker C. G., Ithaca, N. Y.
Binger Co., 43 W 13th, New York
Borreson Mfg. Co., St. Paul, Minn.
Bradford Co., St. Joseph, Mich.
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Chicago Glass Novelty Co. (Gold Glass Letters for Dealers Signs), Marion, Ind.
Clark W. L. Co. (Changeable Letters), 115-117 Nassau, New York
Cleveland-Akron Bag Co., Cleveland, O.
Commercial Elect. Sign Co., 440 W 46th, New York
**CUSACK THOS. CO.,** Harrison & Loomis, Chicago, Ill.
Commonsense Novelty Co., 972 Montana, Chicago, Ill.
De Witt Davis, Jr., White bldg., Buffalo, N. Y.
Eclipse Sign & Advertising Co. (Paper Enameloid), Reading, Pa.
Enamel Products Co. (Porcelain Enameled Iron), Eddy rd and Taft av Cleveland, Ohio
Enameled Iron Sign Co., 18 W 36th, New York

LITHOGRAPHED AND PRINTED METAL
FITZROY 2792
ADVERTISING SIGNS
CLOTH-WOOD FOLDED EDGE FIBRE
L.D. NELKE-SIGNS-NEW YORK INC
CARD-TIN-WOOD COUNTER AND WINDOW DISPLAYS
MANUFACTURERS SINCE 1861
16-18 W. 36TH ST. NEW YORK
FRAMED BULLETINS EMBOSSED METAL ENAMELED IRON

SIGNS (ADVERTISING)—continued

Ettlinger Sign Co., 431 S Dearborn, Chicago, Ill.
General Advertising Co. (For Paint & Varnish Makers), Reading, Pa.
Grammes L. F. & Sons (Metal), Allentown, Pa. *See adv index at end of book*
Gude O. J. & Co., 220 W 42d, New York
**HAGEMAN SIGN CO.,** 14 E Commerce, Youngstown, O.
*See adv index at end of book*
Hamilton-Bacon Sign Co., 2440 W 22d av, Chicago, Ill.
Hobson-De Lone Co., 15th and Wallace, Philadelphia, Pa.
**INGRAM-RICHARDSON MFG. CO.** ("Ing-Rich" Porcelain Enameled Iron), Beaver Falls, Pa.
*See adv index at end of book*
Joplin Advg. Sign Co., Joplin, Mo.
Little & Preuss, 309 E 22d, New York
Madden John & Co., 718 Natoma, San Francisco, Cal.
Martin L. E. Co., 411 Equitable bldg, Baltimore, Md.
Massillon-Cleveland-Akron Sign Co., Massillon, Ohio
Meyercord Co. (Transfer Window Signs), Chamber of Commerce bldg., Chicago, Ill.
Moise-Klinker Co., 369 Market, San Francisco, Cal.
Munn Sign & Advg. Co., Atlanta, Ga.
Natl. Art Works, Covington, Ky.
**NELKE L. D. SIGNS, NEW YORK, INC.,** 18 W 36th, New York
*See adv index at end of book*
Newell L. B., 170 Summer, Boston, Mass.
**NEW YORK ENAMELED SIGN CO.,** 725 Rockaway av, Brooklyn, N. Y.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y
Nugent Advg. Co., 29 N 13th, Philadelphia, Pa.
Oyen Advg. Sign System, La Crosse, Wis.
Palm, Techteler & Co., 67 5th av, New York
Pilgrim Specialty Co., Malden, Mass.
Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Cal.
Plampin Lithograph Co., 147 Waverly pl, New York
Plume Edw. Co. Co., 417 Dearborn, Chicago, Ill.
Press Sign Co. of St. Louis, Mo., 202-204 S 17th, St. Louis, Mo.
Quaker City Sign Co., 116 N 13th, Philadelphia, Pa.
Sampliner Adv. Co., 7th av & 49th, New York
Shank E. A. Signal Co., 19 Park pl, New York
Shonk Chas. W. Co., 76 Washington blvd, Detroit, Mich.
Sign Ad Co., Geneva, N. Y.
Smith-Hecht Co., Century bldg., Indianapolis, Ind.
Stanford-Crowell Co. (Board, Tin & Cloth), Ithaca, N. Y.
Statesman Co., Marshall, Mich.
Stearns Paper Products Co. (Changeable Letters), 604 S Dearborn, Chicago, Ill.
Stout P. G. Sign & Advg. Co., St. Louis, Mo.
Tri-Color Sign Co., 4824 W Lake, Chicago, Ill.
Up-To-Date Advertising Co., Canisteo, N. Y.
Viking Sign Co., 527 5th av, New York
Winters H. E. Davenport, Ia.

## 13656—Signs (Aluminum)

Aluminum Goods Mfg. Co. (Advertising), Manitowoc, Wis.
Aluminum Sign Co., Kewaunee, Wis.
Aluminum Specialty Co., Manitowoc, Wis.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

## 13656a—*Signs (Automobile Club Road)

Hageman Sign Co., 14 E Commerce, Youngstown, O.
*See adv index at end of book*

Hageman Sign Co.
YOUNGSTOWN, O.
Automobile Club Road
SIGNS
PORCELAIN ENAMEL

## 13657—Signs (Automobile Radiator)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 13658—Signs (Brass & Bronze)

Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
Barshal Steel Equipment Co. (Bronze Only), 2031 Euclid av, Cleveland, O.
Benfield Milne Mfg. Co. (In raised letters), 80 Homes, Newark, N. J.
Brinkerhoff's J. P. Sons, 57 Dey, New York
Bryan Co., 2130 E 19th, Cleveland, O.
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Buckeye Iron & Brass Works (Brass Window or Door), Dayton, O.
Cabaret Paul E. & Co., 126 11th av, New York
Charles Sign Co., 1458 W Kinzie, Chicago, Ill.
Chicago Metal Sign Co., 20 N Wells, Chicago, Ill.
Cincinnati Mfg. Co., Cincinnati, O.
**COLUMBUS BRASS CO.,** 538 Dublin av, Columbus, O. *See adv index at end of book*
Detroit Mausoleum Equipment Works, 175 W Fort, Detroit, Mich.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Flour City Ornamental Iron Co., 27th st & 27th av, Minneapolis, Minn.
Gorham Co. Arch'l Bronze, 5th av & 36th, New York. Works, Providence, R. I.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Henry-Bonnard Bronze Co. (Also Brass & Iron), 20 Exchange pl, New York

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER

Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*

BRASS & BRONZE SIGNS
THE IMPERIAL BRASS MFG. CO.
CHICAGO

Inglis Wm. Wire & Iron Works, 61 Woodbridge av, Detroit, Mich.
Jackson Wm. H. Company, 2 W 47th, New York
Jones, Trevor F. & Co. (Also Silver), 374 W B'way, New York
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Mansfield Steel Corp., 288 Milwaukee av E, Detroit, Mich.
Manton & Smith Co., 1709 W Austin av, Chicago, Ill.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Moise-Klinker Co., 369 Market, San Francisco, Cal.
**NELKE L. D. SIGNS, NEW YORK, INC.** (Brass), 18 W 36th, New York
*See adv index at end of book*
**NEWMAN MFG. CO.,** 717 Sycamore, Cincinnati, O.; **68 W Washington, Chicago, Ill.** *See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Novelty Sign Co. (Raised Letter), 208 W. 3d, Cincinnati, Ohio
Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Cal.
Rutledge Geo. Co. (Brass Etched), 309 E 22d, New York
St. Louis Brass Mfg. Co., Jefferson & Washington, St. Louis, Mo.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Shank E. A. Sign Co., 19 Park pl, New York
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
**TYLER W. S. CO.,** Cleveland, O.
*See adv index at end of book*
Van Hoven John H. H. (Brass & Silver), 42 E 9th, New York
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.
Wood-Detroit Mfg. Co. (Business), Marquette bldg, Detroit, Mich.

## 13659— Signs (Car)

See also Signs, Enameled Steel

**Brill J. G. Co. ("Brilliant," Reversible), 62d & Woodland av, Phila., Pa.**
Columbia Machine Works & Malleable Iron Co. ("Millen" Illuminated), Atlantic av & Chestnut, Brooklyn, N. Y.
Creaghead Engineering Co. (Indicating & Destination), 340 Main, Cincinnati, O.
**Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.**
Enameled Iron Sign Co., 18 W 36th, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**HAGEMAN SIGN CO.,** 14 E Commerce, Youngstown, O.
*See adv index at end of book*
Hunter Illuminated Car Sign Co. (Illuminated), Linden av, Flushing N. Y.
Ingram-Richardson Mfg. Co. (Car Destination, Enameled Iron), Beaver Falls, Pa. *See adv index at end of book*
Nelke L. D. Signs, New York, Inc., 18 W 36th, New York
*See adv index at end of book*
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; **68 W. Washington, Chicago, Ill.** *See adv index at end of book*
New York Enameled Steel Sign Co., 725 Rockaway av, Brooklyn, N. Y.
*See adv index at end of book*
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Ready-Made Sign Co., 16 W 36th, New York
**Royal Enameling Mfg. Co., Des Plaines, Ill.**
**St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.**
Shank E. A. Sign Co., 19 Park pl, New York
Up-to-Date Advertising Co., Canisteo, N. Y.
U. S. Electric Signal Co. ("Henderson" Illuminated), West Newton, Mass.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.

## 13660— Signs (Cardboard)

Chicago Show Card Wks., 406 S Dearborn, Chicago, Ill.
Cleveland-Akron Bag Co., Cleveland, O.
Easton Printing & Mfg Co., Dayton, O.
Fisher Adam Mfg. Co. (Novelty), 3624 Enright, St. Louis, Mo.
Harrison Co. (Paraffined), Union City, Ind.
Hartmann Robt. Co., Inc. (Embossed), 409 Pearl, New York
Massillon-Cleveland-Akron Sign Co., Massillon, Ohio
National Fibre & Insulation Co., Yorklyn, Del.
Nelke L. D., Signs, New York, Inc. (Plain & Waterproof, etc), 18 W 36th, New York. *See adv index at end of book*
Novelty Sign Co., 208 W 3d, Cincinnati, O.
Permanent Advtg. Co. (Enameled), Reading, Pa.
Schulman Bros., 564-572 W Randolph, Chicago, Ill.
Standard Advertising Sign Co. (Plain & Waterproof), 18 W 36th, New York
Tri-Color Sign Co. (Paraffined), 4824 W. Lake, Chicago, Ill.
Up-to-Date Advertising Co. (Waterproof), **Canisteo, N. Y.**

## 13661— Signs (Carved)

Spanjer Bros., 198 Badger av, Newark, N. J.

## 13662— Signs (Celluloid)

Baltimore Sign Co., 522 Pierce, Baltimore, Md.
Bastian Bros. Co. ("Pulveroid"), Rochester, N. Y.
**Beach H. D. Co., Coshocton, O.**
Ehrman Mfg. Co., 170 Summer, Boston,
General Advertising Co., Reading, Pa.
Husted Mortimer A., Philadelphia, Pa.
Meek J. F Co., Coshocton, O.
Standard Advertising Sign Co., 16 W 36th, New York
Whitehead & Hoag Co., 272 Sussex av, Newark, N. J.

## 13633—Signs (Chipped Glass)

**RAWSON & EVANS CO.** (In Silver & Gold), 710 W Wash'n blvd, Chicago, Ill.

## Signs (Cloth)

See Signs, Muslin

## 13664-5—Signs (Electric Illuminated)

**A. & W. Electric Sign Co. ("A. & W."),** W 3d & Prospect av, Cleveland, O.
Allaway & Hancox, 5944 S Halsted, Chicago, Ill.
American Sign Co., Kalamazoo, Mich.
American Sign Works, 109 W Dearborn, Chicago, Ill.
Bailey Reflector Co., 617 2d, Pittsburgh, Pa.
Baltimore Enamel & Novelty Co., 4 E Redwood, Baltimore, Md.
Betts & Betts Corp'n, 513 W 42d, New York
Bilt-Well Sign System Electric Co., 115 E 15th, New York
**Bofinger Bros., 146 E 42d, New York**
**Brilliant Mfg. Co., 1035 Ridge av, Phila., Pa.**
**Brink C. I. (Inc.), 24 Gold, Boston, Mass.**
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Burdick Enamel Sign Co., 220 S State, Chicago, Ill.
Canton Electric Sign Co., Canton, O.
Canton Sign Co., Canton, Ohio
Chase Electric Co. ("Chaseco"), 105 S **Dearborn, Chicago, Ill.**
Chicago Electric Sign Co., 18 S Clinton, Chicago, Ill.
Chicago Watch Tool Co., 1956 Grand av, Chicago, Ill.
Chris Sign & Wall Paper Co., Seattle, Wash.
Colonial Sign & Insulator Co., Akron, O.
Commercial Utilities & Mfg. Co., Worcester, Mass.
Common Sense Novelty Co., Sheffield & Montana, Chicago, Ill.
Consolidated Electric Sign Co., 115 N Desplaines, Chicago, Ill.
Continental Sales Display Corp., 110 W 40, New York
**CUSACK THOMAS CO.,** Harrison & Loomis, Chicago, Ill.
**Dawes Electric Sign Mfg. Co., Arrot Pr., Pittsburgh, Pa.**
Display Fountain Mfg. Co., 187 Broadway, New York
Dundee Mfg. Co. (Window Tippers, "Midas" Mystery Platforms), 95 Bedford, New York
Elliott Service Co., 141 W 36th, New York
Ellis Electric Sign Co., Denver, Colo.
**Electric Carriage Call & Specialty Co. (Changeable & Permanent), 311 W 40th, New York**
Electrical Products Corp., 941 W 16th, Los Angeles, Cal.
Electro-Ad Co. ("Newest," "Phelps"), 49 W Larned, Detroit, Mich.
**Empire Elec. Sign Co., 162 E 118th, New York**
Enameled Steel Sign Co., 190 N State, Chicago, Ill.
Federal Sign System (Electric), 8700 S State, Chicago, Ill.
Flashtric Sign Wks. (Interchangeable), 216 N Clinton, Chicago, Ill.
Flexlume Sign Co., 1472 Niagara, Buffalo, N. Y.
Fricker Fred, 428 11th av, New York
Frink I. P. Inc., 10th av & 24th, New York
Gillam M. M., 110 W 34, New York
Greenwood Advertising Co. ("Individuality"), Knoxville, Tenn.
Greenwood System, Knoxville, Tenn.
Hageman Sign Co., 14 E Commerce, Youngstown, O.
*See adv index at end of book*
Haller Sign Works ("Luna"), 115 N Desplaines, Chicago, Ill.
Halpern Bros., 115 E 107th, New York
Herberts Engrg. Co., 500 5th av, New York
Horn W. J. Posting Sign System, Springfield, Ill.
Import Sales Co. (Ltg. Outfit), 318 E 32d, New York
K. & H. Sign Mfg. Co. ("Elite"), Aiken & P. R. R., Pittsburgh, Pa.
**Kanneberg Roofing & Ceiling Co. ("Eclipse"), Canton, O.**
Klintz A. & Co., 905 W Randolph, Chicago, Ill.
Kirn G. C. Adv. Sign Co., 1303 Pine, St. Louis, Mo.
Langever J. J., Fort Worth, Tex.
Ltg. Studios Co. (Druggists' signs), 220 W 42d, New York
Martin P. J., 229 W 42d, New York
Marx Zero Sign Works ("Zero"), 126 W Peoria, Chicago, Ill.
Metropolitan Eng. Co., 1250 Atlantic av, Brooklyn, N. Y.
Meyercord Co. (Advertising Specialties), 133 W Washington, Chicago, Ill.
Model Sign Works, 9th & Venango, Phila., Pa.
**Motley Bros. Elec. Co., Memphis, Tenn.**
Myers Elwood Co., Springfield, O.
National Elec. Co., Belan rd, Baltimore, Md.
**National Retailers' Adv. Corp., Kansas City, Mo.**
Nelson Anthony (Checker Boards), St. Paul, Minn.
Newark Sign Co., 27-33 Treat pl, Newark, N. J.
**Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill.** *See adv index at end of book*
Norden Elect. Sign Co. (Stage Announcers), 311 W 40th, New York
**Novelty Electric Sign Co., 165 Eddy, San Francisco, Cal.**
Novelty Sign Co., 208 W 3d, Cincinnati, O.
Opal Sign Co., 254 10th av, New York
**Paige Sign Co., Worcester, Mass.**
**Phelps Mfg. Co. ("New-Est," "Phelps"),** 49 W Larned, Detroit, Mich.
Pittsburgh Electric Specialties Co., Ross & **First, Pittsburgh, Pa.**
Providence Electric Mfg. Co., 23 Broad, Providence, R. I.
Quehl Sign Co., 318 Main, Cincinnati, O.
R. R. Sign Co., Dayton, O.
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Reynolds-Dull Flasher Co., 18 S Wells, Chicago, Ill.
Rice Geo. H. Co., 431 E 23d, New York
Robinson S. H. Co., 814 Walnut, Phila., Pa.
Schmook Harry B., Springfield, Mo.
Sign Ad Co., Geneva, N. Y.
Sign-O-Graph Mfg. Co., 431 S Dearborn, Chicago, Ill.

# Ingram-Richardson Manufacturing Co.

BEAVER FALLS, PA. :: :: :: FRANKFORT, IND.

ING-RICH SIGNS of Porcelain Enamel for advertisers, streets and for all purposes for which high grade, attractive, long-lasting signs can be used.

PORCELIRON Linings for Refrigerators, tops for kitchen tables and kitchen cabinets, parts for ranges.

ENAMELERS OF SPECIALTIES OF VARIOUS KINDS INQUIRIES SOLICITED


SIGNS (ELECTRIC ILLUMINATED)—continued

Smith-Hecht Sign Co., Indianapolis, Ind.
Solar Electric Co., 54 W Lake, Chicago, Ill.
Strauss & Co., 209 W 48th, New York
Tripp & Co., 33 N Wells, Chicago, Ill.
Universal Elec. Stage Ltg. Co., 240 W 50th, New York
Viking Sign Co., 527 5th av, New Yrok
Western Display Co. ("Reflectric"), 301 Chestnut, St. Paul, Minn.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.

## 13666—Signs (Enameled Iron)

Baltimore Enamel & Novelty Co., 4 E Redwood, Baltimore, Md.
California Corrugated Culvert Co. (Calco.) Berkeley & Los Angeles, Cal.
California Metal Enameling Co., Los Angeles, Cal.
Crichton-Curl Enamel Co., Ellwood City, Pa.
Enamel Products Co. (Advertising, etc), Eddy rd. & Taft av, Cleveland, Ohio
**ENAMELED IRON SIGN CO.,** 18 W 36th, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**HAGEMAN SIGN CO.,** 14 E Commerce Youngstown, O.
*See adv index at end of book*
**INGRAM-RICHARDSON MFG. CO.** (Porcelain Enameled). Factory: Beaver Falls, Pa. *See adv index at end of book*
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Moise-Klinker Co., 369 Market, San Francisco, Cal.
**NELKE L. D. SIGNS, NEW YORK, INC.** (Also Tin, etc), 18 W 36th, New York
*See adv index at end of book*
Porcelain Enamel & Mfg. Co. (Porcelain Enameled), O'Donnel & 8th, Baltimore, Md.
**READY-MADE SIGN CO.,** 16 W 36th, New York
Royal Enameling Mfg. Co., Des Plaines, Ill.
Shank E. A. Sign Co., 19 Park pl, New York
Shonk Charles W. Co., Maywood, Ill.

## 13667—Signs (Enameled Steel)

See also Signs, Car

Baltimore Enamel & Novelty Co., 4 E Redwood, Baltimore, Md.
Benfield Milne Mfg. Co., 80 Homes, Newark, N. J.
Brilliant Mfg. Co., 1035 Ridge av, Phila., Pa.
Burdick Enameled Sign Co., 220 S State, Chicago, Ill.
Cusack Thos. Co., Harrison & Loomis, Chicago, Ill.
Dawes Electric Sign Mfg. Co., Arrott Pr., Pittsburgh, Pa.
Enameled Iron Sign Co., 18 W 36th, New York
**ENAMELED STEEL SIGN CO.,** 190 N State, Chicago, Ill.
Hageman Sign Co., 14 E Commerce, Youngstown, O.
*See adv index at end of book*
**INGRAM-RICHARDS MFG. CO.,** Beaver Falls, Pa. *See adv index at end of book*
Manhattan Dial Mfg. Co., 40 Lexington av, Brooklyn, N. Y.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Nelke L. D. Signs, New York, Inc., 18 W 36th, New York
*See adv index at end of book*
New York Enameled Steel Sign Co., 725 Rockaway av, Brooklyn, N. Y.
*See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Ohio Valley Enameling Co., Huntington, W. Va.
Passaic Metal Ware Co., Passaic, N. J.
Porcelain Enamel & Mfg. Co., 8th & O'Donnell, Baltimore, Md.
Ready-Made Sign Co., 16 W 36th, New York
**SAFETY FIRST SUPPLY CO.,** 107 3d av, Pittsburgh, Pa.
Shank E. A. Sign Co., 19 Park pl, New York
Stonehouse Steel Sign Co., Denver, Colo.

## 13668—Signs (Etched Metal)

Abbott W. H., 143 W 42d, New York
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Charles Sign Co., 1458 W Kinzie, Chicago, Ill.
Dayton Stencil Works, Dayton, O.
Electro Chemical Engraving Co., 450 19th, Brooklyn, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Metallograph Corp., 1100 Brook av, New York
Nelke L. D. Signs, New York, Inc., 18 W 36th, New York
*See adv index at end of book*
Newark Brass Plate Engraving Co., 52 Lawrence, Newark, N. J.
Newman Mfg. Co. (Brass & Bronze), 717 **Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill.**
*See adv index at end of book*
Rutledge Geo. Co., 309 E 22d, New York
Shonk Chas. W. Co., Maywood, Ill.
Waterbury Etching Co., Waterbury, Conn.

## 13669—Signs (Fence Board)

Cleveland-Akron Bag Co., Cleveland, O.
Nelke L. D. Signs, New York, Inc., 18 W 36th, New York
*See adv index at end of book*
Shank E. A. Sign Co., 19 Park pl, New York
Up-to-date Advertising Co., Canisteo, N. Y.

## 13670— Signs (Fibre)

See also Signs, Cardboard

National Sign Co., Dayton, O.
**NELKE L. D. SIGNS, NEW YORK, INC.** (Folded Edge), 18 W 36th, New York
*See adv index at end of book*
Shank E. A. Sign Co., 19 Park pl, New York *See adv index at end of book*
Standard Advertising Sign Co. (Folded Edge), 16 W 36th, New York
Up-to-Date Advertising Co., Canisteo, N. Y.

## 13670a—Signs (Framed Metal Bulletin)

**NELKE L. D. SIGNS, NEW YORK, INC.,** 18 W 36th, New York
*See adv index at end of book*
Shank E. A. Sign Co., 19 Park pl, New York
Standard Advertising Sign Co., 16 W 36th, New York
Up-to-date Advertising Co., Canisteo, N. Y.

## 13671— Signs (Glass)

Asbury Glass Sign Co., 304 Greenwich, New York
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Charles Sign Co., 1458 W Kinzie, Chicago, Ill.
Cincinnati Advtg. Pad. Co., 1101 York, Cincinnati, Ohio
Dawes Electric Sign Mfg. Co., Arrot Pr., Pittsburgh, Pa.
Denzi & Phillips, 24 Dey, New York
Economy Advtg. Co. (Iluminated), Centralia, Ill.
Empire Ornamental Glass Co., 437 Washington, New York
Gen. Glass Mfg. Co., 355 Union Park ct, Chicago, Ill.
Giesse Glass Sign Works, 147 Duane, New York
Herrlein & Henrich Co. (All Kinds for All Purposes), 97 Hudson, New York
Home Art Glass Wks., 290 14th, San Francisco, Cal.
Intl. Sign Co., 1276 W 3d, Cleveland, O.
Jones Decorative Glass Co., 231 Hudson av, Brooklyn, N. Y.
Liberty Glass Sign Co., 543 4th av, Pittsburgh, Pa.
Mansfield & Co., 229 West, New York
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
Novelty Sign Co., 208 W 3d, Cincinnati, O.
Opal Sign Co. (Illuminated), 254 10th av, New York
Photoplating Co., Minneapolis, Minn.
Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Cal.
Rawson & Evans Co., 710 W Washington blvd, Chicago, Ill.
Rodier & Fitzgerald, 296 Pearl, New York
Rutledge Geo. Co., 309 E 22d, New York
Saginaw Glass Sign Co., Saginaw, Mich.
Sentenne & Green, 150 Nassau, New York
Solar Elec. Co. (Illuminated), 54 W Lake, Chicago, Ill.
Tweed & Rau, 1027 W Madison, Chicago, Ill.
Western Sand Blast Mfg. Co., 1458 W Kinzie, Chicago, Ill.
Wunder J. & Co., 225 W Van Buren, Chicago, Ill.

## 13672—*Signs (Interchangeable Letter)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago,
*See adv index at end of book*

## 13673—Signs (Litho. Metal)

Am. Art Wks., Coshocton, Ohio
American Art Sign Co., 201 37th, Brooklyn, N. Y.

**Beach H. D. Co., Coshocton, O.**
Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.
Hageman Sign Co., 14 E Commerce, Youngstown, O.
*See adv index at end of book*
Kaufman & Strauss Co., 54 W 21st, New York
Lavenson Bureau, 308 Walnut, Philadelphia, Pa.
Meek J. F. Co., The, Coshocton, O.
Martin & Martin, 3015-17 Carroll av, Chicago, Ill.
Massillon-Cleveland-Akron Sign Co., Massillon, Ohio
Metallograph Corp., 1100 Brook av, New York
Metzger M. Co., 143 N Wabash av, Chicago, Ill.
National Can Co., Detroit, Mich.
**NELKE L. D. SIGNS, NEW YORK, INC.,** 18 W 36th, New York
*See adv index at end of book*
New York Metal Ceiling Co., 537 W 24th, New York
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill. *See adv index at end of book*
Niagara Litho. Co., 1050 Niagara, Buffalo, N. Y.
Ohio Art Co., Bryan, Ohio
Ritter Mfg. Co., 1517 N Hutchinson, Phila., Pa.
Sentenne & Green, 150 Nassau, New York
Shank E. A. Sign Co., 19 Park pl, New York
Shonk Chas. W. Co., Maywood, Ill.
Scioto Sign Co., Kenton, Ohio
Southern Can Co., 717 S Wolfe, Baltimore, Md.
Standard Advertising Sign Co., 16 W 36th, New York
Stout Sign Co., St. Louis, Mo.
St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo.
Western Enameled Steel Sign Co., 180 N Dearborn, Chicago, Ill.
Winters Signs & Novelty Co., Springfield, O.

## 13674— Signs (Metal, Etc.)

Ackermann Geo. & Sons Co., Cincinnati, O.
Adams S. G. Stamp & Stationery Co., 412 N 6th, St. Louis, Mo.
American Art Works, Coshocton, O.
Baltimore Sign Co., 522 Pierce, Baltimore, Md.
Bofinger Bros., 146 E 42d, New York
Brink C. I. (Inc.), 24 Gold, Boston, Mass.
Brinkerhoff's J. P. Sons, 57 Dey, New York
Bryan Co., 2120 E 19th, Cleveland, O.
Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Burdick Enameled Sign Co., 220 S State, Chicago, Ill.
California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
Central Wire & Iron Works, 309 Gratiot, St. Louis, Mo.
Chicago Metal Sign Co., 20 N Wells, Chicago, Ill.
Coast Culvert & Flume Co., Portland, Kenton Sta., Oregon.
*See adv index at end of book*
Dickey Grabler Works, W Madison & 103d rd, Cleveland, Ohio
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hageman Sign Co., 14 E Commerce, Youngstown, O.
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Indestructible Sign Co., 62 Prescott, Columbus, O.
**INGRAM-RICHARDSON MFG. CO.,** Beaver Falls, Pa.
*See adv index at end of book*
Jones Trevor F. & Co., 374 W B'way, New York
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Louisiana Metal Cabinet Works, New Orleans, La.
Massillon-Cleveland-Akron Sign Co., Massillon, Ohio
Metal Sign Board Co. (Road & Advertising Signs), Kalamazoo, Mich.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Murrell Mfg. Co., Long Island City, N. Y.
National Can Co., Detroit, Mich.
Myers Elwood Co., Springfield, O.
Nager Press Sign Co. (Steel Framed), 421-425 S Main, St. Louis, Mo.
National Sign Co., Dayton, O.
**NELKE L. D. SIGNS, NEW YORK, INC.,** 18 W 36th, New York
*See adv index at end of book*
New York Enameled Steel Sign Co., 725 Rockaway av, Brooklyn, N. Y.
*See adv index at end of book*
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
Passaic Metal Ware Co. (Steel), Passaic, N. J.
Pathie Wm. Co. (Brass, Copper, etc), Worcester, Mass.
Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Cal.
Ready-Made Sign Co., 16 W 36th, New York
Sentenne & Green, 150 Nassau, New York
Shank E. A. Sign Co., 19 Park pl, New York
Spanjer Bros. (of all Descriptions), 198 Badger av, Newark, N. J., & 708 N Green, Chicago, Ill.
Stonehouse Steel Sign Co., Denver, Colo.
Tri-Color Sign Co., 4824 W Lake, Chicago, Ill.
Towle F. S. Co., 332 B'way, New York
**TYLER W. S. CO.,** Cleveland, O.
*See adv index at end of book*
Up-to-Date Advertising Co. (Embossed, etc), Canisteo, N. Y.
Van Hoven John H. H. (Brass & Silver), 42 E 9th, New York
Western Sand Blast Mfg. Co., 1458 W. Kinzie, Chicago, Ill.
Winters H. E. Davenport, Ia.

## 13674a— Signs (Metal, Paint Printed)

**ENAMELED SIGN CO.** (Press Painted), 190 N State, Chicago, Ill.
Nelke L. D. Signs, New York, Inc., 18 W 36th, New York
*See adv index at end of book*
Shank E. A. Sign Co., 19 Park pl, New York
Standard Advertising Sign Co., 16 W 36th, New York
Up-to-Date Advertising Co., Canisteo, N. Y.

## 13674b— Signs (Municipal)

Ingram-Richardson Mfg. Co., Beaver Falls, Pa. *See adv index at end of book*
New York Enameled Steel Sign Co., 725 Rockaway av, Brooklyn, N. Y.
*See adv index at end of book*

## 13675— Signs (Muslin)

Baltimore Sign Co., 522 Pierce, Baltimore, Md.
Bryan Co., 2120 E 19th, Cleveland, O.
Cleveland-Akron Bag Co., Cleveland, O.
Cross Press & Sign Co., 1510 Dayton, Chicago, Ill.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Geraghty & Co., 3035 W Lake, Chicago, Ill.
Marx Zero Sign Works, 126 N Peoria, Chicago, Ill.
Massillon-Cleveland-Akron Sign Co., Massillon, Ohio
Millhiser Bag Co., Richmond, Va.
Nelke, L. D., Signs, New York, Inc. (Also Oilcloth), 18 W 36th, New York
*See adv index at end of book*
Newell L. B., 170 Summer, Boston, Mass.
Novelty Sign Co., 208 W 32nd, Cincinnati, Ohio
Parker & Granville, Ithaca, N. Y.
Stanford-Crowell Co., Ithaca, N. Y.
Sweeney Sign Printing Co., 251 W 19, New York
Tri-Color Sign Co., 4284-6 W Lake, Chicago, Ill.
Up-to-Date Advertising Co., Canisteo, N. Y.

## 13676— Signs (Post Office)

Eagle Lock Co., Terryville, Conn.

## 13676a— Signs (Railroad)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**READY-MADE SIGN CO.,** 16 W 36th, New York

## Signs (Raised Letter Metal)

**See Signs, Brass & Bronze**

## 13676b—*Signs (Ready Made)

**READY-MADE SIGN CO.,** 16 W 36th, New York

## 13677— Signs (Rotary Wind)

Warner Co., Muncie, Ind.

## 13678— Signs (Safety First)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**HAGEMAN SIGN CO.,** 14 E Commerce, Youngstown, O.
*See adv index at end of book*
**INGRAM-RICHARDSON MFG. CO.** ("Porcelain Enameled Iron Signs for Factories"), Beaver Falls, Pa.
*See adv index at end of book*
**READY-MADE SIGN CO.,** 16 W 36th, New York
Safety Fire Extinguisher Co., 295 7th av, New York. *See adv index at end of book*
Shank E. A. Sign Co., 19 Park pl, New York

## 13679— Signs (Street)

Baltimore Enamel & Novelty Co. (Enameled Iron Street Names), 4 E Redwood, Baltimore, Md.
Behringer Edw. A. Inc., 98 Park pl, New York
Borreson Mfg. Co., St. Paul, Minn.
California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
Enamel Products Co. (Enameled Iron), Eddy rd & Taft av, Cleveland, Ohio
Enameled Iron Sign Co., 18 W 36th, New York
**HAGEMAN SIGN CO.,** 14 E Commerce, Youngstown, O.
*See adv index at end of book*
**INGRAM-RICHARDSON MFG. CO.** (Blue & White Porcelain Enameled Iron, Street Names, etc), Beaver Falls, Pa.
*See adv index at end of book*
Nelke L. D. Signs, New York, Inc., 18 W 36th, New York
*See adv index at end of book*
Niagara Falls Metal Stamping Works (Name), Niagara Falls, N. Y.
Ready-Made Sign Co., 16 W 36th, New York
Roberts D. E., Racine, Wis.
**Stonehouse Steel Sign Co., Denver, Colo.**

## 13680— Signs (Talking)

Electric Carriage Call & Specialty Co., 311 W 40th, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## Signs (Translucent)

See Ornaments, Transfer

## 13681— Signs (Warning)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**HAGEMAN SIGN CO.,** 14 E Commerce, Youngstown, O.
*See adv index at end of book*
Ingram-Richardson Mfg. Co., Beaver Falls, Pa. *See adv index at end of book*
Ready-Made Sign Co., 16 W 36th, New York

## 13682— Signs (Wire)

Bigelow Cheney Wire Works, Springfield, Mass.
Bryan Co., 2120 E 19th, Cleveland, O.
Buffalo Wire Works Co. (Roof, etc), 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Builders' Iron Works Co., St. Paul, Minn.
Cincinnati Mfg. Co., Cincinnati, O.
Columbia Iron & Wire Works Co., Canton,
Deschauer Wire & Iron Works, 2009 Larrabee, Chicago, Ill.
Inglis Wm. Wire & Iron Works, 61 Woodbridge av, Detroit, Mich.
Mansfield Steel Corp., 288 Milwaukee av, E. Detroit, Mich.
**MEYERS FRED J. MFG. CO.,** Hamilton, Ohio. *See adv index at end of book*
Novelty Sign Co., 208 W 3d, Cincinnati, O.
Phoenix Wire Works, Kirby & Dequindre, Detroit, Mich.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Southwest Wire & Iron Works Co., Kansas City, Mo.

SIGNS (WIRE)—continued
Spanjer Bros., 198 Badger av, Newark, N. J.
Steelite Co. (Roof), 1902 W 77th, Cleveland, O.
**TYLER W. S. CO.** (Roof, etc), Cleveland, O.
*See adv index at end of book*
Wisconsin Iron & Wire Works, Milwaukee, Wis.

## 13682a— Signs (Wire Roof)

**BUFFALO WIRE WORKS CO.,** 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*

## 13683— Signs (Wood)

Buck C. H. & Co., 411 Dorchester av, Boston, Mass.
Cincinnati Advtg. Prod. Co. (Wood Panel), Cincinnati, O.
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Natl. Sign Co., Dayton, O.
Nelke L. D. Signs, New York, Inc. (Machine Painted), 18 W 36th, New York
*See adv index at end of book*
Up-to-Date Advertising Co., Canisteo, N. Y.

## 13684—Signs (Wood Letter)

Spanjer Bros. (Also Figures, Trade-Marks, etc), 198 Badger av, Newark, N. J.

## 13685—Signs & Letters (Prismatic Metal)

Herrlein & Henrich Co., 97 Hudson, New York
Viking Sign Co., 527 5th av, New York

## 13686— Silencers (Gun)

Maxim Silencer Co., Hartford, Conn.

## 13686a—Silencers Motor Boat)

Gordon Propeller & Mfg. Co., 9901 Desmond av, Cleveland, O.
Wilcox, Crittenden & Co., Inc. ("Maxim"), Middletown, Conn.
*See adv index at end of book*

## 13687— Silex

Am. Flint Co., Iron City, Tenn.
Chrystal Chas. B. (Jobbers), 13 Cliff, New York. *See adv index at end of book*
Eureka Flint & Spar Co. (Floated), Trenton, N. J.
Hammill & Gillespie (Job), 240 Front, New York
Harshaw, Fuller & Goodwin Co., Elec bldg, Cleveland, O.
International Silica Co., Cairo, Ill.
National Silica Works, Berkeley Springs, W. Va.
Nevins Sam'l Co., 109 S 2d, Phila., Pa.
New England Quartz Co. of N. Y., 150 Nassau, New York
Product Sales Co., 32 So Calvert, Baltimore, Md.
Salomon L. A. & Bro. (Imp.), 216 Pearl, New York
Special Service Flooring Corp., 2039 Grand Central Terminal, New York
*See adv index at end of book*
Wausau Quartz Co., Wausau, Wis.
Whitestone Marble Co., Atlanta, Ga.
Whittaker, Clark & Daniels, Inc. (Jobbers), 260 Front, New York
Wiarda John C. & Co. (Ground), 273 Greene, Brooklyn, N. Y.

## 13688— Silica (Fused)

Eimer & Amend, 205 3d av, New York
Engelhard Chas. (Agents), 30 Church, New York
**HANOVIA CHEMICAL & MANUFACTURING CO.,** 100 Chestnut, Newark, N. J.
Lenz Apparatus Co., 9 E 16th, New York
Sidio Co. of America, 37 Murray, New York
Thermal Syndicate (Ltd.) ("Vitreosil" Imp), 50 E 41st, New York
Thomas Arthur H. Co. (Transparent Vitreous), W Wash sq, Philadelphia, Pa.
Wilson-Maeulen Co. (Imp.), 511 E 145th, New York

## 13689-90-1— Silica Mfrs.

Beach City Silica Sand Co., Beach City, Ohio
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Edge Hill Silica Rock Co., New Brunswick, N. J.
Eureka Flint & Spar Co. (Floated), Trenton, N. J.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Hoosac, Marble Co., North Adams, Mass.
International Silica Co., Cairo, Ill.
Illinois Mineral Mining Co., E St. Louis, Ill.
**INNIS, SPEIDEN & CO., INC.** (Soft), 46 Cliff, New York
*See adv index at end of book*
Isco-Bautz Co. (Soft), 46 Cliff, New York
Nevins Samuel Co., 109 S 2d, Phila., Pa.
New England Quartz Co. of N. Y., 150 Nassau, New York
New Jersey Pulverizing Co., 15 Park row, New York
Ohio Marble Co., Piqua, O.
Salomon L. A. & Bro., 216 Pearl, New York
Scheel Wm. H. (Imported), 159 Maiden la, New York
*See adv index at end of book*
Standard Silicon Co., Ridgway, Pa.
Tamms Silica Co., Stock Exchange bldg, Chicago, Ill.
Thomas Arthur H. Co., W Washington sq, Phila., Pa.
Wausau Quartz Co., Wausau, Wis.
Wedron Silica Co., Ottawa, Ill.

## Silicate of Carbon

See Carbon Black Mfrs

## Silicate of Soda

See Sodium Silicate

## 13692— Silico-Manganese

Beckman & Linden Engng. Corp., Balboa bldg, Pittsburgh, Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**LEAVITT C. W. & CO.,** 34 Church, New York *See adv index at end of book*
Southern Manganese Co., Anniston, Ala.

## 13693— Silico-Spiegel

Dana & Company, Inc. (Imp.), 111 B'way, New York
**LEAVITT C. W. & CO.,** 34 Church, New York *See adv index at end of book*

## 13694— Silicon-Calcium-Aluminum

**LEAVITT C. W. & CO.,** 34 Church, New York *See adv index at end of book*

## 13695— Silicon-Chronium

**LEAVITT C. W. & CO.,** 34 Church, New York *See adv index at end of book*

## 13696— Silicon-Manganese-Aluminum

**LEAVITT C. W. & CO.,** 34 Church, New York. *See adv index at end of book*

## 13697— Silk (Artificial)

American Viscose Co., Marcus Hook, Pa.
Cleveland Art Silk Co., Cleveland, O.
H. K. M. Silk Co. (For Embroidery Purposes), Watertown, Conn.

## 13697a— Silk Floss

Hartman Bros., Inc. (Imp), 641 Atlantic av, Boston, Mass.

## 13698— Sills (Draft & End)

Campfield Raggle Block Co. (Terra Cotta Door & Window Sills), Richmond, Ind.
Gould Coupler Co. (Cast Steel), 30 E 42d, New York
Pittsburgh Equipment Co. (Cast Steel), House bldg, Pittsburgh, Pa.
Pressed Steel Car Co. (Car Steel), 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co. (Car Steel), 122 S Michigan, Chicago, Ill.

## 13699— Silos

Adirondack Silo Co., Malone, N. Y.
**AMERICAN CREOSOTING CO.** (Creosoted), Bogalusa, La.
*See adv index at end of book*
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Beaver Silo & Box Mfg. Co., Beaver Dam, Wis.
Bennett Bros. Co. ("Ideal"), Lowell, Mass.
Boeckler Lumber Co., Hall & Maelinckrodt, St. Louis, Mo.
Bridge's A. D. Sons (Round), Hazardville, Conn.
Butler Mfg. Co. (Steel), Kansas City, Mo.
Canton Culvert & Silo Co. ("Zyro"), Canton, O.
Central Unadilla Silo Co., Des Moines, Ia.
Challenge Co. ("Challenge"), Batavia, Ill.
Colby Cheese Box & Silo Co., Colby, Wis.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City, Mo.
Craine Silo Co., Inc., Norwich, N. Y.
Deere John Plow Co., 130 Hickory, Kansas City, Mo., & Omaha, Neb.
Des Moines Silo & Mfg. Co., Des Moines, Ia.
Dickey U. S. Clay Mfg. Co. (Glazed Hollow Tile), Kansas City, Mo.
Duplex Mfg. Co., Superior, Wis.
Economy Silo & Mfg. Co., Frederick, Md.
Fouts C. C. Co. ("Duro"), 650 Woodlawn av, Middletown, Ohio
Harder Mfg. Co., Cobleskill, N. Y.
Harrison W. R. & Co. ("Tornado"), Massillon, O.
Harry Bros. Co. ("Harry's" Knock-Down, Galvanized Iron), Carr & I. C. R. R., New Orleans, La.
Huttig Sash & Door Co., 1200 S Vanderventer, St. Louis, Mo.
Illinois Silo & Tractor Co., Bloomington, Ill.
Indiana Silo Co., Anderson, Ind.
International Silo Co., Linesville, Pa.
Iowa Tank & Silos Co, Waterloo, Ia.
Kalamazoo Tank & Silo Co. (Wood, Tile Block, etc), Kalamazoo, Mich.
Kretchmer Mfg. Co. (Galvanized, Cypress & Fir), Council Bluffs, Ia.
Lansing Silo Co. (Wood & Tile), Lansing, Mich.
Loomis J. H. & Sons ("Loomia"), Phoenix, N. Y.
Louisville Silo & Tank Co., Louisville, Ky.
McClure Co. ("Saginaw" All Steel Frame), Saginaw, Mich.
Michigan Wood Preserving Co. (Creosoted), ("Century"), Century bldg, Pittsburgh, Pa.
Minneapolis Stone Co., Filmore & 16th av, N E, Minneapolis, Minn.
Monolithic Silo & Const. Co. ("Monsco"), Peoples' Gas bldg, Chicago, Ill.
Nappanee Lumber & Mfg. Co., Nappanee, Ind.
National Fireproofing Co. ("Natco" Hollow Tile), Fulton bldg, Pittsburgh, Pa.
**NATIONAL TANK & PIPE CO.** ("Cyclone" & "Ironclad"), 275 Oak, Portland, Ore. *See adv index at end of book*
Pacific Pipe & Steel Co. ("Ideal" Green Feed Redwood & Douglass Fir), 318 Market, San Francsico, Cal.
Perfection Concrete Stove Silo Co., Des Moines, Ia.
Perfection Metal Products Co., Topeka, Kans.
Pittsburgh-Des Moines Steel Co. (Steel), 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Portland Silo Co., Portland, Ind.
Preston J. M. Co. (Vitrified Tile), Lansing, Mich.
Puffer-Hubbard Mfg. Co., 32d av S & 26th, Minneapolis, Minn.
Ross E. W. Co. (plain wood, creosoted wood & sectional metal), Springfield, O.
Schlichter E. F. Co. ("Philadelphia"), 10 S 18th, Phila., Pa.
Silo Specialty Mfg. Co., Clinton, Ia.
Southwest Mfg. Co., Oklahoma, Okla.
Stevens Tank & Tower Co. ("Dirigo," Wood), Auburn, Me.
Truscon Steel Co. (Kahn Building Products), Youngstown, O.
Tunglok Silo Co., Interstate bldg, Kansas City, Mo.
Twin City Tank Silo & Specialty Co., 38th av & N E 5th, Minneapolis, Minn.
Vernier Mfg. Co., Cedar Rapids, Ia.
Vesper Wood Mfg. Co. ("Open Door"), Vesper, Wis.
Western Silo Co. (Ltd.), Des Moines, Ia.
Woods Bros. Silo & Mfg. Co., Lincoln, Neb.

## 13699a— Silver Carbonate

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 13699b— Silver Chloride

Drakenfeld B. F. & Co. (Imp.), 50 Murray, New York

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York *See adv index at end of book*

## 13699c— Silver Granulated

Handy & Harman, 55 Cedar, New York
Jackson John J. & Co., 158 Astor, Newark, N. J.
Ney J. M. Co., Hartford, Conn.

## 13700— Silver Leaf

Drakenfeld B. F. & Co. (Imp.), 50 Murray, New York
Ravskolb Fred W. Co., 103 Arch, Boston, Mass.
Swift M. & Sons, Hartford, Conn.

## 13700a— Silver Nitrate

Drakenfeld B. F. & Co. (Imp.), 50 Murray, New York
Fuller Ralph L. Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Jackson John J. Co., 158 Astor, Newark, N. J.
Mallinckrodt Chem. Wks., 2d & Mallinckrodt, St. Louis, Mo.
**WARREN PRODUCTS CO.**, 265 Canal, New York *See adv index at end of book*

## 13700b— Silver Oxide

Drakenfeld B. F. & Co. (Imp), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 13700c— Silver (Salt of)

Ames M. Chemical Wks., Glen Falls, N. Y.
Baker & Co., 54 Austin, Newark, N. J.
Mallinckrodt Chemical Wks., 2d & Mallinckrodt, St. Louis, Mo.
Powers-Weightman & Rosengarten Co., 916 Parrish, Phila.. Pa.
Squibb E. R. & Sons, 80 Beekman, N. Y.

## 13700d— Silver Sulphurette

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 13701— Silverware (Plated)

Associated Silver Co. ("Yourex" Specialties), 5 S Wabash av, Chicago, Ill.
Buddle & Westermann, 7th av & 29th, New York
International Silver Co. ("Lashar"), Meriden, Conn.
Meyer Louis J., 804 Walnut, Philadelphia, Pa.
Oneida Community (Ltd.) ("Community") Oneida, N. Y.

## 13702— Silverware (Table)

(*) Indicates Sterling Ware; (†) Indicates Plated Ware

*Alvin Mfg. Co., Sag Harbor, N. Y.
*†American Mfg. Co., Meriden, Conn.
†American Silver Co., Bristol, Conn.
*†Barbour Silver Co. (Br. of International Silver Co.), Meriden, Conn.
†Benedict Mfg. Co., East Syracuse, N. Y.
†Bliss E. A. Co., Meriden, Conn.
†Florence Silver Plate Co., 108 W Lombard, Baltimore, Md.
†Forbes Silver Co. (Br. of International Silver Co.), Meriden, Conn.
†Franklin Silver Plate Co., Greenfield, Mass.
†Goodell Co., Antrim, N. H.
*Gorham Co. (Arch'l Bronze), 5th av & 36th, New York
Handy Specialty Co. (Hotel), 189 W Madison, Chicago, Ill.
*Hartford Sterling Co., 24th & Locust, Phila., Pa.
*†Holmes & Edwards Silver Co. (Br. of International Silver Co.), Bridgeport, Conn.
†Homan Mfg. Co., Findlay, Western & Hulbert av, Cincinnati, O.
*†International Silver Co., Meriden, Conn.
†Jennings Bros. Mfg. Co., Bridgeport, Conn.
†Knickerbocker Silver Co., Port Jervis, N. Y.
†Manning, Bowman & Co., Meriden, Conn.
*†Meriden Britannia Co. (Br. of International Silver Co.), Meriden, Conn.
†Meriden Silver Plate Co. (Br. of International Silver Co.), Meriden, Conn.
Oneida Community (Ltd.), ("Community"), Oneida, N. Y.
Oneida Community (Ltd), Kenwood, N. Y.
†Pairpoint Corp., New Bedford, Mass.
†Paye & Baker Mfg. Co., N Attleboro, Mass.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
†Queen City Silver Co., Fillmore & Richmond, Cincinnati, O.
*†Reed & Barton Corp., Taunton, Mass.
Regal Silver Mfg. Co. ("Regal"), New Haven, Conn.
†Rice's Bernard Sons, 325 5th, New York
†Robeson Cutlery Co., Rochester, N. Y.
†Rogers Simmon L. & Geo. H. Co., Hartford, Conn.
†Rogers, Smith & Co. (Br. of International Silver Co.), Meriden, Conn.
*†Rogers Wm. A. (Ltd.), Niagara Falls, N. Y.
†Rogers Wm. Mfg. Co. (Br. of International Silver Co.), Meriden, Conn.
†Rogers & Bro. (Br. of International Silver Co.), Waterbury, Conn.
†Rogers & Hamilton Co. (Br. of International Silver Co.), Waterbury, Conn.
*†Simpson, Hall, Miller & Co. (Br. of International Silver Co.), Wallingford, Conn.
†Smith E. H. H. Silver Co., Bridgeport, Conn.
*Tiffany & Co., 5th av & 37th, New York, N. Y.
*Towle Mfg. Co., Newburyport, Mass.
*†Wallace R. & Sons Mfg. Co., Wallingford, Conn.
*†Watrous Mfg. Co. (Br. of International Silver Co.), Wallingford, Conn.
*Weidlich Sterling Spoon Co., Bridgeport, Conn.
*Whiting F. M. & Co., No. Attleboro, Mass.
*Whiting Mfg. Co., Bridgeport, Conn.
*†Wilcox Silver Plate Co., (Br. of International Silver Co.), Meriden, Conn.
†Williams Bros. Mfg. Co., Glastonbury, Conn.
Wostenholm Geo. & Son, 105 Chambers, New York

## 13702a—*Single Phase Railway System

**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 13703—Singletrees, Doubletrees & Whiffletrees (Wood)

Acme Wagon Co., Emigsville, Pa.
Adams E. B. & Son, Racine, Wis.
Ames Body Corp., Owensboro, Ky.
Ashboro Wheelbarrow Co., (Singletrees Only), Ashboro, N. C.
Atkins Bros., Attoway, Va.
Baltimore Hub-Wheel & Mfg. Co., Fallsway & Gy, Baltimore, Md.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Buckley John Hub, Spoke & Wheel Co., 969 N 2d, Phila, Pa.
Burrough-Ross-Colville Co., McMinnville, Tenn.
Campbell & Dann Mfg. Co., Tullahoma, Tenn.
Canfield Mfg. & Novelty Co., Canfield, O.
Collins Hilton Co. (Plow & Wagon Singletrees & Doubletrees), Louisville, Ky.
Columbiana Mfg. Co., Columbiana, O.
Crane & MacMahon ("Star," "Hickory"), 10 Bridge, New York
Crook Son & Co., Hicksville, O.
Dugger & Goshorn, Memphis, Tenn.
Faeth Iron Co. (Iron), 1125 N 8th, Kansas City, Mo.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Graham Thos. & Co., Madison, Ind.
Harvey Spring & Forging Co., Racine, Wis.
Heider Mfg. Co. (Wagon, Plow, etc), Carroll, Ia.
Heiser J. B., Atwater, O.
Hershel R. Mfg. Co., Single & Doubletrees, Peoria, Ill.
Holt Bros. Mfg. Co., Concord, N. H.
Hoyt John Co., Delaware, N. J.
Keller & Tamm Mfg. Co., Victor & Levee, St. Louis, Mo.
Lack Singletree Co. ("Noxall," "National"), Paducah, Ky.
Lamb-Fish Lumber Co., Charleston, Miss.
Lebzelter Phillip & Son Co., Lancaster, Pa.
Leonard F. B. & Co., Metropolis, Ill.
Lindsay Mfg. Co., Ottumwa, Ia.
Look & Lincoln, Marion, Va.
Manchester Mfg. Co., Manchester, Tenn.
Mason F. C. & Co., St. Johns, Mich.
Medina Bending Works, Medina, O.
Metropolis Bending Co., Metropolis, Ill.
Mills Ellsworth Co., Keokuk, Ia.
Nixdorf-Krein Mfg. Co., 900 Howard, St. Louis, Mo.
North Indianapolis Cradle Works, Indianapolis, Ind.
Parry Mfg. Co., Indianapolis, Ind.
Peterson Samuel, Warren, Pa.
Phipps J. H. Lumber Co., Fayetteville, Ark.
Pioneer Pole & Shaft Co., Piqua, O.
Prouty C. & Co., Eldred, Pa.
Racine General Mfg. Co. (Jobbers), Racine, Wis.
Ransome Concrete Machinery Co., Dunellen, N. J.
Sanitary Cement Co., Everett, Mass.
Sequatchie Handle Works, Sequatchie, Tenn.
Shupp Homer A., Effort, Pa.
Southern Plow Co., Columbus, Ga.
Stevens A. E. & Co., Portland, Me.
Tanner D. F., Holland, N. Y.
Thornburgh Mfg. Co., Bowling Green, O.
Titusville Handle Co., Titusville, Pa.
Towers & Sullivan Mfg. Co., Rome, Ga.
Turnbull Motor Truck & Wagon Co. (Hickory Wagon Sets), Defiance, O.
Turner, Day & Woodworth Handle Co., Louisville, Ky.
Vehicle Supply Co., Cairo, Ill.
Von Behren Mfg. Co., Evansville, Ind.
Westwood Turning Co., Fremont, O.
Wildermuth Bending Co., Columbus, O.

## 13704—Singletrees (Hay Hoisting)

Louden Machinery Co., Fairfield, Ia.
Myers F. E. & Bro., 900 4th, Ashland, O.
*See adv index at end of book*

## 13705—Singletrees & Doubletrees (Steel)

Avery B. F. & Sons, Louisville, Ky.
Diamond Forging & Mfg. Co., 2601 California, Pittsburgh, Pa.
Empire Plow Co., 3140 E 65th, Cleveland, O.
Sharon Steel Hoop Co., Sharon, Pa.
Southern Plow Co., Columbus, Ga.
Towers & Sullivan Mfg. Co., Rome, Ga.
U. S. Pressed Steel Co., Ypsilanti, Mich.
**YOUNGSTOWN PRESSED STEEL CO.**, Warren, O.
*See adv. index at end of book*

## 13706— Sink Backs

Alberene Stone Co. (Soapstone), 223 E 23d, New York
Bignall Co., Medina, N. Y.
Lalance & Grosjean Mfg. Co. (Seamless Wrought Steel), 299 B'way, New York

## 13707— Sinkers (Fish Line)

General Phonograph Corp., 25 W 45th, New York

## 13708— Sinks (Kitchen)

Alberene Stone Co. (Soapstone), 223 E 23d, New York
**DONLEY BROTHERS CO. THE** ("D. B." Stop Sinks), 3625 E 74th, Cleveland, O.
*See adv index at end of book*
Fords Porcelain Works, Perth Amboy, N. J.
General Ceramics Co. ("Phoenix" Porcelain), 50 Church, New York
Sanitas Mfg. Co. ("Gloucester," "Essex," "Wenshaw"), 105 Washington, Boston, Mass.
Standard-Elsmere Granite Co., 1752 N Spaulding av, Chicago, Ill.
Weiskittel A. & Son Co., 12th & Lombard, Baltimore, Md.
Wesely Chas. Co., 3126 S Canal, Chicago, Ill.
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

## Sinks (Porcelain)

See Bath Tubs, Porcelain

## 13709—Sinks (Pot & Vegetable)

Sexton S. B. Stove & Mfg. Co. (Hotel, etc), 500 Block W, Conway, Baltimore, Md.

## 13710— Sinks & Trays

See also Bath Tubs, Various Kinds; also Laundry Tubs, Various Kinds

Alberene Stone Co. (Soapstone), 223 E 23d, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Auld & Conger Co. (Soapstone), 942 Prospect, Cleveland, O.
Barnes Mfg. Co. (Enameled Kitchen Rolled & Flat Rim Sinks), Mansfield, O.
Bieg Henry (White Porcelain), 56 Wallabout, Brooklyn, N. Y.
**Blairsville Sanitary Co. (Enameled Iron), Blairsville, Pa.**
Cahill Iron Works ("Southern Beauty" Enameled Iron), Chattanooga, Tenn.
Central Foundry Co. (Cast Iron), 90 West, New York
Columbia Sanitary Mfg. Co. (Enameled Ware), Louisville, Ky.
Crestline Mfg. Co. (Cast Iron), Crestline, Ohio
Douglas Jno. Co., Carthage, Cincinnati, O.
Ebinger D. A. Sanitary Mfg. Co. (Enameled Iron) 181 Lucas, Columbus, O.
Euclid Stone & Brick Co. ("Euclid" Stone), Cleveland, O.
Glenn Fred E. (Kitchen & Slop Sinks), St. Charles, Ill.
Graham Charles Chemical Pottery Works (White Porcelain & Brown Vitrified), 986 Metropolitan av, Broklyn, N. Y.
Hains Jones & Cadbury Co. ("Hajoca" Cast Iron), 1136 Ridge av, Philadelphia, Pa.
Humphryes Mfg. Co. (Cast Iron Porcelain Enameled, for Factories), Mansfield, O.
Indiana Hollow Ware Co., Jeffersonville, Ind.
Iron City Sanitary Mfg. Co. (Enameled Iron), Oliver bldg, Pittsburgh, Pa.
Johnson J. D. Co. (Copper), 43 Boerum pl, Brooklyn, N. Y.
Keenan Struct. Slate Co. (Slate), Bangor, Pa.
Kilbourne & Jacobs Mfg. Co. (Wrought Steel), Columbus, O.
*See adv index at end of book*
Kohler Co. (Enameled Iron), Sheboygan, Wis.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Lalance & Grosjean Mfg. Co. (Seamless Wrought Steel. "L. & G."), 299 B'way, New York
Limberg Enameling Co. (Enameled Iron), Florence av, Cincinnati, O.
Litterer Bros. Mfg. Co. (Pantry), 154 Whiting, Chicago, Ill.
Lodge Mfg. Co. (Cast Iron Stamped), South Pittsburgh, Tenn.
McDonald A. Y. Mfg. Co. (Slop), Dubuque, Ia.
McVay-Walker Co. (Enameled), Braddock, Pa.
Maddock's Thomas Sons Co. (Earthenware), Trenton, N. J.
Mann Mfg. Co. (Clinic Slop Sinks), 17 W Parkway, Pittsburgh, Pa.
Monson Maine Slate Co. (Slate), 112 Water, Boston, Mass.
Mott J. L. Iron Works (Porcelain & Iron Enameled), Trenton, N. J.
**NASON MFG. CO., 71 Fulton, New York**
National Enameling & Stamping Co. (Kitchen Sinks, Wrought Steel), 411 5th av, New York
Nelson N. O. Marble Co. (Slate), Edwardsville, Ill.
New York Slate Works (Slate), 255 E 138th, New York
Noyes & Nutter Mfg. Co. (Cast Iron), Bangor, Me.
Penn Enameled Sink Co., Indiana, Pa.
Phoenix Srate Co. (Slate), Windgap, Pa.
Phoenix Soapstone Co. (Soapstone), 71 Murray, New York
Richmond Radiator Co. (Enameled Iron), 1480 B'way, New York
Sanitas Mfg. Co. ("Manchester," "Magnolia," "Beverly," "Salem" Pantry, "Lowell," "Lawrence" Slop), 105 Washington, Boston, Mass.
Slatington Slate Co. (Slate), Slatington, Pa
Standard Sanitary Mfg. Co. (Enameled Iron), Bessemer bldg. Pittsburgh, Pa.
Swett A. L. Iron Wks. (Cast Iron), 145 Glenwood av, Medina, N. Y.
**Trageser Jno. Steam Copper Works (Copper)**, 447 W 26th, New York
Trenton Potteries Co. (Earthenware), Trenton, N. J.
Unger John F. Slate Co, (Slate), Slatington, Pa.
Union Sanitary Mfg. Co. (Cast Iron Enameled), Noblesville, Ind.
United States Sanitary Mfg. Co. (Enameled Iron), Arrott bldg, Pittsburgh, Pa.
Vollrath Co. ("Vollrath" Enameled Sinks), Sheboygan, Wis.
Walls, Owen & Stambach Co. (Soapstone), 11th & Hamilton, Philadelphia, Pa.
Weiskittel A. & Son Co. (Enameled Iron), 12th & E Lombard, Baltimore, Md.
Wheeling Sanitary Mfg. Co. (Enameled Iron), Wheeling, W. Va.
Wolff Mfg. Co. (Cast Iron, Steel, Porcelain Lined, Grey, Enameled Slate & Soapstone), 255 N Hoyne av, Chicago, Ill.

## 13710a—Sintering Plant Equipment ment

American Ore Reclamation Co., 71 B'way, New York
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O. *See adv index at end of book*
**SINTERING MACHINERY CORP.**, Netcong, Morris Co., N. J.
*See adv index at end of book*

## 13711— Siphons (Sewage)

Merritt Hydraulics Co. ("Moise," "Merritt," Automatic Flushing Aerlock for Control of Sewage & Other Liquids), 110 N Broad, Phila., Pa.
Modern Iron Works ("Rhoads-Williams" Raw Sewage), Quincy, Ill.
Priestman Albert ("Merritt" Automatic Flushing Airlock for Control of Sewage and Other Liquids), 328 Chestnut, Philadelphia, Pa.

## 13712—Siphons (Water, for Flushing Sewers)

Merritt Hydraulics Co., 110 N Broad, Phila. Pa.

## 13713— Size

See also Paste

American Type Founders Co. (Gold), 200 William, New York
Arabol Mfg. Co. (Dry Rosin; also Hot & Cold Water, etc), 100 William, New York
Ault & Wiborg Co. (Gold), Cincinnati, O.
Babcock Jno. & Co. (Gold), Allston, Boston, Mass.
Bloede Victor G. Co. (Textile), Caton av, Baltimore, Md.
Boley C. H. Co. ("Aamcolose" Textile, also Gums), 3722 N Randolph, Phila., Pa.
Bosson & Lane, Atlantic, Mass.
Chemical Products Co. (Hat Size), 30 Charles River rd, Boston, Mass.
Clark Paper & Mfg. Co. ("Steko" Powdered Wall Size), Rochester, N. Y.
Cleveland Varnish Co. (Gold), 3111 E 87th, Cleveland, O.
Cott-a-Lap Co. ("Bull Dog" & "Magic" Wall Paper), Somerville, N. J.
Devoe & Raynolds Co., Inc. (Gold), 101 Fulton, N. Y. *See adv index at end of book*
Diamond Paste Co. (Vegetable), Albany, N. Y.
Eastern Paper Makers Chemical Co., Watertown, N. Y.
**FOX M. EWING CO.** (Painters' & Paperhangers'), 241 E 136th, New York
*See adv index at end of book*
Fuller H. B. Co. ("Fullers Barnacle" Paperhangers & Painters), 188 W 3d, St. Paul, Minn.
General Adhesive Mfg. Co. Inc. (for Textiles "Dragon"), 469 Greenwich, New York
Herrick & Voight, 68 Maiden la, New York
McMeekan D. Mfg. Co. (Paper & Textile), 1070 Pacific, Brooklyn, N. Y.
Manhattan Color Works ("Manhattan" Alum Size), 1035 Kelly, New York
Mayer & Loewenstein (Gold), 164 Water, New York
Morrill Geo. H. Co. (Gold), Norwood, Mass.
Munro Robt. A. & Co., 25 Pine, New York
National Aniline & Chemical Co., Inc. (for Textiles), 21 Burling Slip, New York
National Gum & Mica Co., 59th & 11th av, New York
Nat'l Rosin Oil & Size Co. (Rosin, Dry & Liquid), 90 West, New York
Paper Makers Chemical Co. (Rosin), Easton, Pa.
Pawtucket Mordant Co., Pawtucket, R. I.
Pierce F. O. Co. (Gold), 10 E 43d, New York
Providence Drysalters Co. (Textile), 86 East Greenwich, R. I.
Rauskolb Fred W. Co. (Gold), 103 Arch, Boston, Mass.
Royal Chemical Co. (Textile), Phenix, R. I.
Schweitzer Samuel, 660 W Lake, Chicago, Ill.
Seydell Mfg. Co. ("Sizol"), 88 Forrest, Jersey City, N. J.
Sisk R. J. Mfg. Co. (Paperhangers & Painters), New London, Conn.
Tanner Chas. S. Co. (Textile), 250 So Water, Providence, R. I.
Waxene Size Co., Fall River, Mass.
Weil S. & Son, 194 Franklin, New York
Wiggins H. B. Sons Co., Bloomfield, N. J.
Wolf Jacques & Co., Passaic, N. J.
Zobel Ernst Co., 112 2d av, Bklyn, N. Y.


# SINTERING MACHINERY CORPORATION

**NETCONG, MORRIS CO., NEW JERSEY**

Sintering Machines and Accessory Apparatus for Roasting and Sintering Copper, Lead, Zinc, Iron Ores and By-Products; also Non-Metal Substances.

*Complete Installations Fabricated and Erected*

**LICENSED TO MANUFACTURE UNDER DWIGHT & LLOYD PATENTS**

## 13714— Sizers (Broom)

Walrath Alphonso Co. ("Hurt"), Fort Plain, N. Y.

## 13715— Sizers (Screenless)

Stearns-Roger Mfg. Co. ("McKesson-Rice"), Denver, Colo.

## 13716—Sizers (Wood Turners')

**Kraeuter & Co., 583 18th av, Newark, N. J.**

## 13716a— Sizings (Rosin)

Sizing Specialties Co., Jersey City, N. J.
**VERA CHEMICAL CO.** (for Paper Mfrs.) No. Milwaukee, Wis., Stoneham, Mass. Burlington, Ont., Canada

## 13717— Skates (Ice)

**Brown Spring Ice Skate Co., Webster City, Iowa**
**Conron-McNeal Co (Extension), Kokomo, Ind.**
Johnson Nestor Mfg. Co. ("Hockey"), 1237 N California av, Chicago, Ill.
King Joseph Mfg. Co., Troy, N. Y.
Kohler Die & Specialty Co. ("20th Century"), De Kalb, Ill.
**Lowentraut P. Mfg. Co. ("U. S."), 36 Brenner, Newark, N. J.**
Planert F. W. & Son, 941 N Robey, Chicago, Ill.
**Strauss J. E. ("Strauss Diamond Edge" Racing), St. Paul, Minn.**
**Union Furnace Mfg. Co., Union Furnace, Pa.**
**Union Hardware Co., Torrington, Conn.**
Winchester Repeating Arms Co. ("Barney & Berry", "Winchester"), New Haven, Conn.
**Winslow Samuel Skate Mfg. Co., Worcester, Mass.**

## 13718— Skates (Roller)

American Skate & Mfg. Co. ("Rollfast" Ball Bearing), Reading, Pa.
**Barney & Berry, Springfield, Mass.**
Brown Spring Ice Skate Co., Webster City, Ia.
**Chicago Roller Skate Co. ("Velvet Thread" Ball Bearing), 224 N Ada, Chicago, Ill.**
Gropper M. & Sons ("Crown Roller"), 36 Union sq, New York
Henley Skate Co., Richmond, Ind.
**Kohler Die & Specialty Co. ("20th Century"), De Kalb, Ill.**
**Richardson Ball Bearing Skate Co. (Pneumatic), 154 E Erie, Chicago, Ill.**
**Union Hardware Co., Torrington, Conn.**
Winchester Repeating Arcs Co. ("Barney & Berry", "Winchester"), New Haven, Conn.
**Winslow Samuel Skate Mfg. Co., Worcester, Mass.**

## 13719— Skeins (Wagon)

**American Skein & Foundry Co. ("Rocky Mountain" Steel, "Sandage," "Columbus," "Red Label," "Anderson Leader" Wrought Steel, "D. V." "Indiana" Cast, "Brown's," "Hoosier"), Racine, Wis.**
**Illinois Iron & Bolt Co. ("D. V. & Co." "I. I. & B. Co.," "Dundee" Cast Iron, "Columbus," "Sandage," "Western," "Standard" Steel), Carpentersville, Ill.**
**St. Louis Malleable Casting Co. (Mall. Iron), 7701 N Conduit av, St. Louis, Mo.**
Schreyer G. Co. (Steel), Columbus, O.
Southern Skein & Foundry Co. (Steel & Cast), Chattanooga, Tenn.
Studebaker Corp., South Bend, Ind.

## 13720—Skeins & Boxes (Thimble)

Colebrookdale Iron Co., Pottstown, Pa.

## 13721— Skewers (Steel, Meat)

**Auer John, Jr., 197 Middleton, Brooklyn, New York**
**Brecht Co., 1201 Cass av, St. Louis, Mo.**
**Central Stamping Co. ("Puritan"), 174 Fulton, New York**
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
**Hamblin & Russell Mfg. Co., Worcester, Mass.**
**Lalance & Grosjean Mfg. Co., 299 B'way, New York**
**Landers, Frary & Clark, New Britain, Conn.**
Parker Wire Goods Co., Worcester, Mass.
**U. S. Needle Concern, 912 W Madison, Chicago, Ill.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 13721a— Skewers (Wire)

Gem Stopper Co., 2120 Nicholas, Phila., Pa.

## 13722— Skewers (Wood)

**Atwood, Crawford Co., Pawtucket, R. I.**
**Berst Mfg. Co., Saginaw, Mich.**
**BOGERT & HOPPER, INC.** (Meat & Burlap), 57 Barclay, New York
*See adv index at end of book*
**ESTES E. B. & SONS** (Burlap, Candy & Meat), 364 5th av, New York
*See adv index at end of book*
Gem Stopper Co. ("Gesco"), 2120 Nicholas, Phila., Pa.
**Grover R. A., Andover, Me.**
**National Supply & Mfg. Co., 2362 Palm, St. Louis, Mo.**
**Peirce W. E. & Co., Milford, N. H.**
**Setter Bros. Co., Cattaraugus, N. Y.**
**STILES H. A. & CO.,** 93-97 Oliver, Boston, Mass. *See adv index at end of book*
**Weis & Lesh Mfg. Co., Muncie, Ind.**

## 13723— Ski Mfrs.

**Northland Ski Mfg. Co., St. Paul, Minn.**
**Paris Mfg. Co., South Paris, Maine**
**Strand Martin A., New Richmond, Wis.**
**Tubbs W. F., Norway, Me.**

## Skidders (Log)

See Log Skidding & Loading Machines

## 13724-5— Skids

Diamond Iron Works, 2nd & 18th av N, Minneapolis, Minn.
Fairbanks Co. (Barrel), 416 Broome, New York
Gruman Ice Tool Works, Branchville, Conn.
Howe Scale Co. of Ill., 1315 S Wabash av, Chicago, Ill.
**Kilbourne & Jacobs Mfg. Co., Columbus. O.**
*See adv index at end of book*
Lansing Co., Lansing, Mich.
**Michigan Truck & Lumber Co., Holly, Mich.**
National Iron Co. (Mining & Derrick), Duluth, Minn.
Never-Skid Mfg. Co. ("Never-Skids" for Motor Trucks), 150 Nassau, New York
N. Y. Wheelbarrow Works, 180 West, New York
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
**ZERING H. MFG. CO.,** Oakley, Cincinnati, O. *See adv index at end of book*

## Skimmers (Boiler)

See Cleaners, Skimmers, Boiler

## 13726— Skimmers (Tanners')

Emrich Phil., 824 Main, Cincinnati, O.

## 13727— *Skips (Cableway)

Clyde Iron Works & Sales Co., Duluth, Minn. *See adv index at end of book*

## 13728— Skips (Mining)

See also Cages, Mining

Allis-Chalmers Mfg. Co. (Dumping & Hoisting), Milwaukee, Wis.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Continental Bridge Co. (Derricks), 460 Monadnock, Chicago, Ill.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**HUNT C. W. CO.,** West New Brighton, N. Y. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Stone, Vertical, Shaft, Double & Single Deck & Incline), Columbus, O.
*See adv index at end of book*
**Lake Shore Engine Works ("De Beer's" Self-Dumping, etc), Marquette, Mich.**
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry Phila., Pa. *See adv index at end of book*
**Oliver Wm. J. Mfg. Co., Knoxville, Tenn.**
**Sanford-Day Iron Works, Knoxville, Tenn.**
Stephens-Adamson Mfg. Co. ("S.-A." Steel), Aurora, Ill.
**Traylor Engng. & Mfg. Co., Allentown, Pa.** *See adv index at end of book*
Truax Mfg. Co., Denver, Colo.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

## 13728a—Skips (Stone & Cement)

**See also Boxes, Scale**

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**Lakewood Engineering Co., Cleveland, O.**
*See adv index at end of book*

## Skips (Stone or Concrete)

(See Boxes, Scale

## 13729-30—Skylight Ventilating Apparatus

See also Ventilating Apparatus for Greenhouses & Buildings

Drouve G. Co. ("Lovell" & "Straight Push"), 40 Tulip, Bridgeport, Conn.,
Evans John A. Co. ("The Evans"), Richmond, Ind.
Kirk Habicht Co. (Lifts), 108 S Calvert, Baltimore, Md.
Lyster Sheet Metal Co. ("Lyster"), 1220 Filbert, Phila., Pa.
Mertz John Mfg. Co., Sandusky, O.
Milwaukee Corrugating Co., Milwaukee, Wis.
Payson Mfg. Co. ("Harris"), 2918 W Jackson blvd, Chicago, Ill.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*

## Skylights

See Cornices & Skylights; also Sub-Classifications following

## 13731— *Skylights (Ornamental Iron)

Consolidated Sheet Metal Wks., 661 Hubbard, Milwaukee, Wis.
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*

## Skylights (Prism System)

(See Glass, Prismatic)

## 13732—Skylights (Puttyless)

Basman A. M. & Co., 468 Fort W., Detroit, Mich.
Drouve G. Co., 40 Tulip, Bridgeport, Conn.
Florida Metal Products Co., Jacksonville, Fla.
Lupton's, David Sons Co. ("Lupton" Rolled Steel), Allegheny av & Tulip, Phila., Pa.

ESTABLISHED 1847 **E. B. ESTES & SONS** Manufacturers of
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Blunt and Pointed Confectioners' Taffy Sticks, Floral Sticks, Hardwood and Softwood Polished Maple Meat Skewers a Specialty
364 5th Avenue New York City

SKYLIGHTS (PUTTYLESS)—continued
Milwaukee Corrugating Co. ("Milcor" All Steel), Milwaukee, Wis.
National Skylight & Vent Co., Rochester, N. Y.
National Ventilating Co., 337 E 26th, New York
Nonpareil Skylight Co., 2611 Penna. av, N W, Washington, D. C.
Schoedinger F. O. ("Fosco"), 142 N 3d, Columbus, O.
Van Noorden E. & Co. ("Anchor Bar"), 100 Magazine, Boston, Mass.

## 13733— Slabs (Marble)

Nelson N. O. Marble Co., Edwardsville, Ill.

## 13734— Slabs (Oil Stone)

McDermott Stone Co., McDermott, C.

## 13735—Slag (Concrete & Roofing, Etc.)

**American Slag Co. Land Title bldg., Phila., Pa.**
Birmingham Slag Co., Jeff. Co. Bk. bldg, Birmingham, Ala.
Cambria Steel Co., Widener bldg, Phila., Pa.
Duquesne Slag Products Co. (For Concrete R. R. Ballast, Roofing, Roads, etc), **Diamond Bank bldg, Pittsburgh, Pa.**
Emanuel & Co., Catasaqua, Pa.
France Slag Co., 2nd Nat'l Bank bldg, Toledo, Ohio
Illinois Improvement & Construction Co., 208 S La Salle, Chicago, Ill.
Little Wm., Conshohocken, Pa.
Perry Iron Co. (Granulated), Erie, Pa.
Robinson Thos. & Co., Real Estate Trust bldg, Phila., Pa.
Standard Slag Co., Youngstown, O.
Temple Slag Co., Land Title bldg, Philadelphia, Pa.
Thomas Furnace Co. (Crushed), 740 Kinnickinnic, Milwaukee, Wis.

## 13736— Slate Columns

American Slate Co., Easton, Pa.
Criterion Slate Co., Hydeville, Vt.
Keenan Structural Slate Co., Bangor, Pa.

## 13737— Slate (Crushed)

Bangor Structural Slate Co., Bangor, Pa.
*See adv index at end of book*
Central Commercial Co., 111 N Market, Chicago, Ill.
Keenan Structural Slate Co., Bangor, Pa.

## 13738— Slate Dust

Bangor Structural Slate Co., Bangor, Pa.
*See adv index at end of book*
Slatington Slate Co., Slatington, Pa.

## 13739— Slate Floor Tile

**American Slate Co., Easton, Pa.**
Bangor Structural Slate Co., Bangor, Pa.
*See adv index at end of book*
**Blue Mountain Slate Co., Slatington, Pa.**
Durick, Keenan & Co., Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
General Slate Co., 148 State, Boston, Mass.
Hammann Slate Co., Bangor, Pa.
Hinchey Patrick F. & Co., Hydeville, Vt.
Hower J. K., Danielsville, Pa.
**Keenan Structural Slate Co., Bangor, Pa.**
Old English Slate Quarries, 10 Milk, Boston, Mass.
Penrhyn Slate Co., Hydeville, Vt.
**Slatington Slate Co., Slatington, Pa.**
Structural Slate Co., Pen Argyl, Pa.
**Williams Slate Co., Mutual bldg, Richmond, Va.**

## 13740— Slate Flour

Atlas Mineral Products Co., Lincoln, N. J.
Chrystal Chas. B., 13 Cliff, New York
*See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Hower J. K., Danielsville, Pa.
Williams C. K. & Co. (Mfrs.), Easton, Pa.
*See adv index at end of book*

## 13741—Slate for Electrical Purposes

American Slate Co., Easton, Pa.
Bangor Slate Mining Co., Bangor, Pa.

**BANGOR STRUCTURAL SLATE CO.,** Bangor, Pa., *See adv index at end of book*
Blue Mountain Slate Co., Slatington, Pa.
Blue Valley Slate Mfg. Co. (Ltd.), Slatington, Pa.
Bonville Edw., Fair Haven, Vt.
Clark & Flanagan, Fair Haven, Vt.
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.
Crown Slate Co., Pen Argyl, Pa.
Davis Slate & Mfg. Co., 618 E 40th, Chicago, Ill.
Doggett, Stanley (Soapstone), 11 Cliff, New York
Fair Haven Marble & Marbelized Slate Co., Fair Haven, Vt.
Genuine Washington Slate Co., Slatington, Pa.
**Hammann Slate Co., Bangor, Pa.**
Hower J. K., Danielsville, Pa.
Hydeville Slate Works, Hydeville, Vt.
Keenan Structural Slate Co., Bangor, Pa.
Lin-Stun Co. (Sandstone), 5010 Gloster, Pittsburgh, Pa.
**McGratty & Sons, 313 Butler, Brooklyn, N. Y.**
M'Namara Bros., Fair Haven, Vt.
Monarch Black Board & Structural Slate Co., Slatington, Pa.
New York Slate Works, 255 E 138th, New York
O'Day Bros. (Plain & Marbelized), **Hydeville, Vt.**
**OLD ENGLISH SLATE QUARRIES** Switchboards, Circuit Breakers & Knife Switches, Panel Boards), 10 Milk, Boston, Mass.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Penna. Blackboard Co., Slatington, Pa.
Penrhyn Slate Co., Hydeville, Vt.
Phoenix Soapstone Co., 71 Murray, New York
Portland-Monson Slate Co. ("Monson"), **Portland, Me.**
*See adv index at end of book*

**Portland-Monson Slate Co.**
Quarriers of
**MONSON SLATE**
for Electrical Purposes
Natural Black, Oil Finish
Quarries, Monson, Maine
Office
Portland, Maine


Shenton Thos. H., Slatedale, Pa.
Slatington Slate Co., Slatington, Pa.
Stone Base & Panel Co. (Treated Sand Stone), Columbus, O.
Structural Slate Co., Pen Argyl, Pa.
Woodley Slate Co., Bangor, Pa.
Young A. B. Co., Fair Haven, Vt.

## Slate Grave Covers

**See Burial Cases & Vaults, Slate**

## 13742— Slate (Laminated)

Central Commercial Co. (Miners'), 111 N Market, Chicago, Ill.

## 13742a—*Slate (Landscape Garden Work & Terrace)

Keenan Structural Slate Co., Bangor, Pa.
**OLD ENGLISH SLATE QUARRIES,** 10 Milk, Boston, Mass.

## 13743—Slate (Mausoleum or Catacomb)

Bangor Slate Mining Co., Bangor, Pa.
**BANGOR STRUCTURAL SLATE CO.,** Bangor, Pa. *See adv index at end of book*
Hammann Slate Co., Bangor, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Old English Slate Quarries, 10 Milk, Boston, Mass.
**STRUCTURAL SLATE CO.,** Pen Argyl, Pa.

## 13744— Slate Mill Stock

American Slate Co., Easton, Pa.
Bangor Structural Slate Co. (Jobbers), Bangor, Pa. *See adv index at end of book*
**Blue Mountain Slate Co., Slatington, Pa.**
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.

**Fair Haven Marble & Marbleized Slate Co.,** Fair Haven, Vt.
Hahn Granville (Mantel Stock), Walnut Port, Pa.
Hammann Slate Co., Bangor, Pa.
Hinchey Patrick F. & Co., Hydeville, Vt.
**Hower J K, Danielsville, Pa.**
International Slate Co., Slatington, Pa.
**KEENAN STRUCTURAL SLATE CO.,** Bangor, Pa.
Old English Slate Quarries, 10 Milk, Boston, Mass.
**Ontalaunee Slate Mfg. Co., Lynnport, Pa.**
Peerless Slate Co., Delta, Pa.
**Slatington Slate Co., Slatington, Pa.**
Stoddard D. & Sons, Bangor, Pa.
Structural Slate Co., Pen Argyl, Pa.
Williams Slate Co., Mutual bldg, Richmond, Va.
Woodley Slate Co., Bangor, Pa.

## 13745—Slate Morgue & Dissecting Slabs

Bangor Structural Slate Co., Bangor, Pa.
*See adv index at end of book*
Hammann Slate Co., Bangor, Pa.
Keenan Structural Slate Co., Bangor, Pa.
Structural Slate Co., Pen Argyl, Pa.

## Slate (Plumbers')

**See Slate Urinal Slabs, etc.**

## 13745a— Slate (Powdered)

Chrystal Chas. B., 13 Cliff, New York
*See adv index at end of book*

## Slate Radiator Tops

**See Slate Stairs, Treads & Risers**

## Slate Refrigerator Linings

**See Slate Stair Treads & Risers**

## 13746— Slate Register Frames or Borders

American Slate Co., Easton, Pa.
Durick Keenan & Co., Fair Haven, Vt.
Hinchey Patrick F. & Co., Hydeville, Vt.
Keenan Structural Slate Co., Bangor, Pa.
Monson Maine Slate Co., 112 Water, Boston, Mass.
Nelson N. O. Marble Co., Edwardsville, Ill.
Ontalaunee Slate Mfg. Co., Lynnport, Pa.
Peerless Slate Co,. Delta, Pa.
Williams Slate Co., Mutual bldg, Richmond, Va.

## Slate (School)

**See Slates, School; also Black Boards, Slate**

## Slate Sinks

**See Laundry Tubs, Slate; also Slate Urinal Slabs, Etc.**

## 13747—Slate Stair Treads & Risers

**Albion Bangor Slate Co., Wind Gap, Pa.**
American Slate Co., Easton, Pa.
Bangor Slate Mining Co., Bangor, Pa.
**BANGOR STRUCTURAL SLATE CO.** (Also Chimney Tops & Refrigerator Linings), Bangor, Pa.
*See adv index at end of book*
**Blue Mountain Slate Co., Slatington, Pa.**
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.
Crown Slate Co., Pen Argyl, Pa.
Durick Keenan & Co., Fair Haven, Vt.
Excelsior Slate Co., Pen Argyl, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
**Hahn Granville, Walnut Port, Pa.**
Hammann Slate C., Bangor, Pa.
**Hower J. K., Danielsville, Pa.**
International Slate Co., Slatington, Pa.
**KEENAN STRUCTURAL SLATE CO.,** Bangor, Pa.
Kirtland W. H. (Jobbers), 1123 B'way, New York
Miller O. A. Slate Co. (Jobbers), Slatington, Pa.
**Monarch Blackboard & Structural Slate Co., Slatington, Pa.**
Nelson N. O. Marble Co., Edwardsville, Ill.
New York Slate Works, 255 E 138th, New York
O'Halloran & Jacobs, Park bldg, Pittsburgh, Pa.

Old English Slate Quarries, 10 Milk, Boston, Mass.
**Ontalaunee Slate Mfg. Co., Lynnport, Pa.**
**Peerless Slate Co., Delta, Pa.**
Penna. Blackboard Co., Slatington, Pa.
**Penrhyn Slate Co., Hydeville, Vt.**
Phoenix Slate Co., Windgap, Pa.
Schaeffer R. F. (Jobber), Bangor, Pa.
Slatington-Bangor Slate Syndicate (Jobbers), Slatington, Pa.
**STRUCTURAL SLATE CO.**, Pen Argyl, Pa.
**Tinsman M. L. & Co., Pen Argyl, Pa.**
**Washington Slate Co., Slatington, Pa.**
Williams Slate Co., Mutual bldg, Richmond, Va.
Woodley Slate Co., Bangor, Pa.

## 13747a— Slate (Structural)

**See Slate; also Stair Treads & Risers**

Bangor Slate Mining Co. (Work), Bangor, Pa.
**BANGOR STRUCTURAL SLATE CO.**, Bangor, Pa. *See adv index at end of book*
Davis Slate & Mfg. Co., 618 E. 40th, Chicago, Ill.
Hill Wm. G., 70 Wall, New York
Kennan Structural Slate Co., Bangor, Pa.
**KNICKERBOCKER SLATE CORP.**, 153 E 38th, New York
Penn Structural Slate Co., Inc., 309-311 Drake bldg, Easton, Pa.
Structural Slate Co., Pen Argyl, Pa.
Superior Slate Co., Inc. ("Penna. Black"), Allentown, Pa.

## 13748— Slate Tanks & Vats

Blue Mountain Slate Co., Slatington, Pa.
Blue Mountain Slate Co., Slatington, East Bangor, Pa.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Keenan Structural Slate Co., Bangor, Pa.
Nelson N. O. Marble Co., Edwardsville, Ill.
New York Slate Works ("Empire"), 255 E 138th, New York
Old English Slate Quarries, 10 Milk, Boston, Mass.
Penrhyn Slate Co., Hydeville, Vt.
Portland-Monson Slate Co. ("Monson" for Chemical Mfrs.), Portland, Me.
*See adv index at end of book*

## Slate Tile

See Slate Floor Tile

## 13749—Slate Urinal Slabs, Etc.

American Slate Co., 17 Southampton, Boston, Mass.
American Slate Co., Easton, Pa.
Bangor Slate Mining Co., Bangor, Pa.
**BANGOR STRUCTURAL SLATE CO.**, Bangor, Pa. *See adv index at end of book*
Blue Mountain Slate Co., Slatington, Pa.
**Blue Valley Slate Mfg. Co. (Ltd.), Slatington, Pa.**
Columbus Slate Co. (Jobbers), New Hayden bldg, Columbus, O.
**Durick Keenan & Co., Fair Haven, Vt.**
**Excelsior Slate Co., Pen Argyl, Pa.**
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Va.
Hahn Granville, Walnut Port, Pa.
Hammann Slate Co., Bangor, Pa.
Hinchey Patrick F. & Co., Hydeville, Vt.
**Hower J. K., Danielsville, Pa.**
**International Slate Co., Slatington, Pa.**
**KEENAN STRUCTURAL SLATE CO.**, Bangor, Pa.
**Kimes J. B. & Co., 24th & Callowhill, Philadelphia, Pa.**
Kirtland W. H. (Jobber), 1123 B'way, New York
McConnell Slate Co., 2445 Pacific, B'klyn, N. Y.
Monarch Blackboard & Structural Slate Co., Slatington, Pa.
Monson Maine Slate Co., 112 Water, Boston, Mass.
Nelson N. O. Marble Co., Edwardsville, Ill.
New York Slate Works, 255 E 138th, New York
O'Halloran & Jacobs, Park bldg, Pittsburgh, Pa.
Old English Slate Quarries, 10 Milk, Boston, Mass.
**Ontalaunee Slate Mfg. Co., Lynnport, Pa.**
**Peerless Slate Co., Delta, Pa.**
Penna. Blackboard Co., Slatington, Pa.
**Penrhyn Slate Co., Hydeville, Vt.**
Penrhyn Slate Co., Middle Granville, N. Y.
**Phoenix Slate Co., Windgap, Pa.**
Slatington Slate Co., Slatington, Pa.
Snyder E. F., Slatington, Pa.
**STRUCTURAL SLATE CO.**, Pen Argyl, Pa.
Troy Bros. & Co., 975 Mass. av, Rox, Boston, Mass.
Western Slate Co., 326-328 Aberdeen, Chicago, Ill.
Williams Slate Co., Mutual bldg, Richmond, Va.

## Slate Vault Lining

See Burial Cases & Vaults, Slate

## 13750— Slates (School)

American Slate Works, Slatington, Pa.
Bangor School Slate Co. ("Star," "Crescent"), Bangor, Pa.
Griffin Bros., Bangor, Pa.
National School Slate Co., Slatington, Pa.
Shenton Thos. H., Slatedale, Pa.

## 13751-2— Slats (Pole)

**Hallett Iron Works (Safety), Harvey, Ill.**

## 13753— Sledge Mfrs.

See also Hammers, Heavy

Beall Bros. (Blacksmiths' Stone, etc), Alton, Ill.
Brunner & Lay (Quarry, etc), 570 W Polk, Chicago, Ill.
Ernsdorff John Iron Co. ("Jerico" Bob for Farm Use), Dubuque, Ia.
Evansville Tool Works (Coal, Blacksmith's Stone, etc), Evansville, Ind.
Fulton Tool Works (Miners, etc), Canal Fulton, O.
Hammond C. & Son, Ogontz, Pa.
Hardsocg Mfg. Co. (Solid Cast Steel), Ottumwa, Ia.
Hardsocg Martin Co. (Coal), 922 South av, Pittsburgh, Pa.
Heller Bros. Co. (Octagon Turning, etc), 879 Mt. Prospect av, Newark, N. J.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd. (Solid Cast Steel), 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Plumb Fayette R. (Inc.), Tucker & James, Phila., Pa.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Union Drop Forge Co. (Drop Forged), 353 W Grand av, Chicago, Ill.
Verona Tool Works, Oliver bldg, Pittsburgh, Pa., & Verona, Pa.
Vulcan Tool Mfg. Co., Quincy, Mass.
**WARREN TOOL & FORGE CO.** (Blacksmiths, Coal, Stone Turning), Warren, O. *See adv index at end of book*

Warwood Tool Co., Wheeling, W. Va.
What Cheer Tool Co. (Cast Steel), What Cheer, Ia.

## 13754— Sleds (Bob)

Acme Wagon Co., Emigsville, Pa.
Anderson Co., 2324 University av, St. Paul, Minn.
Angle Steel Stool Co., Otsego, Mich.
Baker & Bennett Co. (Steering Sleds), 873 B'way, New York
Bassett E. C., Sterling, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Belknap Wagon Co., Grand Rapids, Mich.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
Conner J. W. & Son, Orangeville, Pa.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Donaldson Bros., Mount Clemens, Mich.
Evans B. A., Hammond, N. Y.
Everts Mfg. Co., Meridian, N. Y.
Kalamazoo Sled Co. ("Presto" Coasting), Kalamazoo, Mich.
Keller Mfg. Co., 1325 N E Quincy, Minneapolis, Minn.
Koch & Son Mfg. Co., St. Cloud, Minn.
La Crosse Plow Co., La Crosse, Wis.
Lansing Co., Lansing, Mich.
Lenhart Wagon Co., 2600 University av S. E., Mineapolis, Minn.
Moline Plow Co. ("Mandt"), Moline, Ill.
Northwestern Mfg. Co., Fort Atkinson, Wis.
Parker Plow Co., Richmond, Mich.
Patterson Mfg. Co., Holly, Mich.
Sheboygan Coaster & Wagon Works ("Favorite" Steel, Also Wood Clippers), Sheyboygan, Wis.
Smith Mfg. Co., La Crosse, Wis.
Standard Novelty Works, Duncannon, Pa.
Sterling Mfg. Co., Sterling, Ill.
Stoughton Wagon Co., Stoughton, Wis.


# BANGOR STRUCTURAL SLATE COMPANY
## BANGOR, PENNSYLVANIA

*Producers and Manufacturers of*

**Slate Billiard Table Beds**
**Slate Black-boards**
**Slate Burial Cases and Vaults**
**Slate Bases and Borders**
**Slate Laundry Tubs**
**Slate Linings for Refrigerators, Etc.**
**Slate Roofing Mfg.**
**Slate for Electrical Purposes**
**Slate Floor Tile**
**Slate Mausoleums or Catacombs**
**Slate Mill Stock**
**Slate Morgue and Dissecting Slabs**
**Slate Plumbers (all kinds)**
**Slate Stair Treads and Risers—Chimney Tops—Refrigerator Linings**
**Slate Structural**
**Slate Sinks**
**Slate Urinal and Shower Slabs**
**Slate Switchboard (Light and Power Switchboard Slate)**

*We specialize on Sanitary Slate Products and are prepared to submit designs and prices on special fixtures. Prompt service and reliable goods. Catalogue on quotations on application.*

SLEDS (BOB)—continued

Streich A. & Bro. Co. (Farm, Log, etc), Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Sweet B. F. & H. L. Co. ("Common Sense"), Fond du Lac, Wis.
Tanner D. F., Holland, N. Y.
Thornburgh Mfg. Co. ("Famous Burton"), Bowling Green, O.
Turnbull Motor Truck & Wagon Co., Defiance, O.
Turney Joel & Co., Fairfield, Ia.
Vaughn Mfg. Co., Jefferson, Wis.
Western Steel & Iron Works ("Western"), De Pere, Wis.

## 13755—Sleds (Steering, Childrens')

Allen S. L. & Co. ("Flexible Flyer" "Fire Fly"), 5th & Glenwood, Philadelphia, Pa.
**AUTO-WHEEL COASTER CO., INC.** (Formerly The Buffalo Co.), ("Fleetwing" Steering on Runners), North Tonawanda, N. Y.
Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Buffalo Sled Co. ("Fleetwing" Steering on Runners), North Tonawanda, N. Y.
Carriage & Toy Co. ("Monoplane"), 741 W Lombard, Baltimore, Md.
Garton Toy Co. (Boys', Wood & Steel), Sheboygan, Wis.
Kalamazoo Sled Co., Kalamazoo, Mich.
Martin & Heagy Mfg. Co. ("Hickory Coaster"), Elizabethtown, Pa.
Safety Sled Co. ("Safety"), Mt. Jewett, Pa.
Sherwood Bros. Mfg. Co. (Childrens' Bob), Canastota, N. Y.
Standard Novelty Works ("Lightning Guide"), Duncannon, Pa.
Steinfeld Bros. ("Steinfeld," Sleds & Steering Coasters), 116 W 32d, New York
Toledo Metal Wheel Co. ("Toledo" Steering Coasters & Rigid Sleds), Toledo, O.
Wagner Mfg. Co. ("Wagner" Steel Bob Steering Coaster), Cedar Falls, Ia.

## 13756— Sleds (Stone)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 13757—Sleeping Berths (Outdoor)

Kewanee Mfg. Co. ("Kewanee"), Kewanee, Ill.

## 13758—Sleeves (Automobile Tire)

Firestone Tire & Rubber Co. ("Firestone"), Akron, O.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio

## 13759— Sleeves (Dredging)

Acme Rubber Mfg. Co., Trenton, N. J.
**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*
Boston Belting Corp., 84 Linden Park st, Boston, Mass.
Boston Woven Hose & Rubber Co. ("Perfection"), Cambridge, Mass.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Dominion Asbestos & Rubber Corp., 154 Nassau, New York
*See adv index at end of book*
Empire Tire & Rubber Corp., Trenton, N. J.
Goodrich B. F. Co. (Rubber), Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
**NEW YORK RUBBER CO.** (Rubber), 323 W Randolph, Chicago, Ill., Reade & Church, New York
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Quaker City Rubber Co., 629 Market, Phila., Pa.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 B'way, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## 13760-1—Sleeves (Drill & Punch)

Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Keystone Mfg. Co. (Taper), Buffalo, N. Y.
**WHITMAN & BARNES MFG. CO.,** Akron, O. *See adv index at end of book*

## 13762— Sleeves (Paper)

(For Electrical Use, etc.)

Am. Elecl. Works, Phillipsdale, R. I.
Brandywine Fibre Products Co., 815 Shipley, E Wilmington, Del.
Climax Tube Co., 89 State, Boston, Mass.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Elastoid Fibre Co. ("Elastoid"), Waltham, Mass.
McCausland J. E., Providence, R. I.
Pairpoint Corp., New Bedford, Mass.
Reliable Electric Co., 411 S Sangamon, Chicago, Ill.
Sherwin Electric Co. (Bushings), Burlington, Vt.
Standard Underground Cable Co., Westinghouse bldg., Pittsburgh, Pa.
Stone Straw Co., 30 O, N E, Washington, D. C.
Textile Tube Co., Fall River, Mass.

## 13763— Sleeves (Pipe)

Beaton & Cadwell Mfg. Co. ("Perfection" Galvanized Iron & Tin Adjustable & Non-Adjustable), New Britain, Conn.
Beaton & Corbin Mfg. Co. ("Adjusto," Adjustable), Southington, Conn.
Dayton Pipe Coupling Co. (Steel, for Pipe Mains, etc), Dayton, O.
Dresser S. R. Mfg. Co. (For Repair Work), Bradford, Pa.
Dryceil Pipe Sleeve Co. ("Dryceil"), 351 Lexington av, New York
General Fire Extinguisher Co. (Split), Providence, R. I.
Haines Co. (Adjustable), 1933 W Lake, Chicago, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
New Brunswick Iron Works ("Kellogg" Repair Sleeve, for Water Mains), New Brunswick, N. J.

## 13764— Sleeves (Plumbago)

McCullough-Dalzell Crucible Co. (For Bessemer & Open Hearth Furnaces), 36th & A. V. R. R., Pittsburgh, Pa.

## 13765—Sleeves (Pole Repair)

Drew Elec. & Mfg. Co., 1016 E Michigan, Indianapolis, Ind.
Gherky Wm. D. ("Voynow"), 30th & Walnut, Phila., Pa.
Hubbard & Co. (Reinforced Wooden Poles), German Bank bldg., Pittsburgh, Pa.

## 13765a— *Sleeves (Screw)

**STANNARD MFG. CO.** ("Little Giant Expansion), 371 Allen, Springfield, Mass.
*See adv index at end of book*

## 13766—Sleeves (Stopper Rod)

Knauff & Esterbrook, Cleveland, O.

## 13767—Sleeves (Trolley Wire Splicing)

Electric Railway Equip't Co., Cincinnati, Ohio
Eureka Co., North East, Pa.
Hickey & Schneider ("H. & S." Seamless), Elizabeth, N. J.
**MORE-JONES BRASS & METAL CO.,** B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Philadelphia Electrical & Mfg Co. ("Phila."), 1236 N 31st, Phila., Pa.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 13768—Sleeves & Tees for Underground Construction

McIntire C. Co., 35 Vesey, Newark, N. J.

## 13769— Sleeving (Cotton)

(For Electrical Use, etc.)

Adamson Joseph & Co., Columbia & Wtn. av, Phila., Pa.
Anchor Webbing Co., Pawtucket, R. I.
Asbestos Fibre Spinning Co., North Wales, Pa.
Automatic Electric Co., 1001 W Van Buren, Chicago, Ill.
Barton F. C., 65 Worth, New York
Blakesley Novelty Co. (Cotton Knit), Bristol, Conn.
Buffalo Weaving & Belting Co. (For carrying Electric Wires Under Heat), Buffalo, N. Y.
Chicago Mica Co. (and Webbing), Valparaiso, Ind.
*See adv index at end of book*
Dunton M. W. Co., 150 Niagara, Providence, R. I.
Empire Mfg. Co., Lockport, N. Y.
Fleig L. L. Co., 212 W Auston av, Chicago, Ill. *See adv index at end of book*
Harris S. A. & Co., 119 S 4th, Phila., Pa.
Hope Webbing Co., 1005 Main, Providence, R. I.
International Braid Co., 47 Charles, Providence, R. I.
Johns-Manville Co. H. W. ("Niagrite Asbestos"), Madison av & 41st, New York
Lambeth Rope Corp., New Bedford, Mass.
Mason J. S. & Sons, Westboro, Mass.
Mica Insulator Co., 68 Church, New York
Niedner's Chas. Sons Co., Malden, Mass.

## 13770— Sleighs (Logging)

Phoenix Mfg. Co., Eau Claire, Wis.
Ransome Concrete Machinery Co., Dunellen, N. J.

## 13771—Slicers (Fruit & Vegetable)

A. & J. Mfg. Co. ("A. & J."), Binghamton, N. Y.
Catawissa Specialty Mfg. Co. (Vegetable), Catawissa, Pa.
Disston Henry & Sons, Tacony, Phila., Pa.
Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
Goodell Co. (Potato), Antrim, N. H.
Handy Things Mfg. Co., Ludington, Mich.
Houchin Thos. W. Co. (Revolving), 36 E 12th, New York
Landers, Frary & Clark ("Universal," "French," "Lightning"), New Britain, Conn.
Richardi & Bechtold, Bellaire, Mich.
Rollman Mfg. Co. (Ltd.) (Apple), Mt. Joy, Pa.
Sinclair-Scott Co. (Pineapple), Wells & Patapsco, Baltimore, Md.
Shannock Narrow Fabric Co., Pawtucket,
Sidebotham John, Inc., 4317 Griscom, Phila., Pa.
Streeter N. R. & Co., Rochester, N. Y.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
U. S. Asbestos Co., Lancaster, Pa.
Washington Cutlery Co. ("Village Blacksmith"), Watertown, Wis.
Zastrow Geo. W. (Pineapple, Power), 1410 Thames, Baltimore, Md.

## 13772— Slicers (Meat)

American Slicing Machine Co. ("American"), 209 S State, Chicago, Ill.
Anderson Computing Scale Co., Anderson, Ind.
Canton Elec. Cut Co., Canton, O.
Cincinnati Butchers' Supply Co., 2008 Central av, Cincinnati, O.
Computing Cheese Cutter Co., Anderson, Ind.
Computing Scale Co., Dayton, O.
Deer A. J. Co. ("Royal"), Hornell, N. Y.
Holwick B. C., Canton, O.
Ideal Mfg. Co., Anderson, Ind.
Landers, Frary & Clark, New Britain, Conn.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Master Cutter Mach. Co., North av, Oakley, Cincinnati, O.
Pan Elec. Mfg. Co., 735 S 4th, St. Louis, Mo.
Smith's John E. Sons Co., Buffalo, N. Y.
Stimpson Scale & Mfg. Co., Northville, Mich.
Troemmer Hy., 911 Arch, Phila., Pa.
U. S Slicing Machine Co. (Imp.), 189 N Dearborn, Chicago, Ill.

## 13773— Slicks (Carpenters')

Bradley G. W. Axe & Tool Mfg. Co., 119 Leonard, New York
Buck Bros., Millbury, Mass.
Jennings C. E. & Co. ("C. E. J. & Co.'s," "J. & G. Mfg. Co."), 71 Murray, New York
Peck, Stow & Wilcox Co., Southington, Conn.
Swan James Co., Seymour, Conn.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 13774—Slide Rests for Lathes

American Tool & Machine Co., 10 High, Boston, Mass.
Bartlett E. E., 326 A, Boston, Mass.
Blount J. G. Co., Everett, Mass.
Mann Chas. A., 166 Doyle av, Providence, R. I.
Stark Tool Co. (Compound, for Bench Lathes), Waltham, Mass.

## 13775— Slides (Breast Strap)

Frazer & Jones Co. (Also "B. S." Combined Slide & Snap), Syracuse, N. Y.
Independent Register & Mfg. Co., 713 Frankfort, Cleveland, O.
Klauer Mfg. Co., Dubuque, Ia.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Schartow Mfg. Co., Milwaukee, Wis.
Stearns E. C. & Co., 450 Oneida, Syracuse, N. Y.

## 13776— Slides (Desk)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Eagle Lock Co., Terryville, Conn.
National Lock Co., Rockford, Ill.

## Slides (Furniture)

See Shoes, Sliding Furniture

## 13777—Slides (Lantern, Stereopticon, Etc.)

American Slide Co., Columbus, O.
Des Moines Slide Co., Des Moines, Ia.
Excelsior Illustrated Co., Inc. ("Excelsior" Slides), 219 6th av, New York
International Stereograph Co., Decatur, Ill.
Kansas City Slide Co. (For Advertising), 1017 Central av, Kansas City, Mo.
McIntosh Stereopticon Co, 30 E Randolph, Chicago, Ill.
North American Slide Co., 122 N 13th, Phila., Pa.
Novelty Slide Co., 209 W 48th, New York
Scott & Van Altena, 6 E 39th, New York
Standard Slide Corp. (for Advertising), 209 W 48th, New York
Three Star Slide Co. (Lantern), 30 E Randolph, Chicago, Ill.
Underwood & Underwood, 417 5th av, New York
Weeks Mfg. Co., 181 Tremont, Boston, Mass.

## 13777a— Slides (Tent)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 13778— Slimers (Craven)

Union Iron Works Co., 20th & Michigan, San Francisco, Cal.

## 13799-80— Slings (Hay)

Goshen Mfg. Co., Goshen, Ind.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Louden Machinery Co., Fairfield, Iowa
Milwaukee Hay Tool Co., Layton Park, Milwaukee, Wis.
MYERS F. E. & BRO. ("Myers" Centre Trip Adjustable, "Utah" Centre Trip Adjustable, "Myers" Double Lock Adjustable & "Myers" Cable Ground Sling, "Myers" Chain), 900 4th, Ashland, O. *See adv index at end of book*
Ney Mfg. Co., Canton, O.
Ney V. L. Hay Tool Co., Canton, O.
Porter J. E. Co. (Center Grip), Ottawa, Ill.
Ricker Mfg. Co. ("Rochester"), Rochester, N. Y.
Strickler Hay Tool Co. ("Strickler"), Janesville, Wis.

## 13781— Slitters for Gang Slitting Machines

Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

## 13781a— Smalts

Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.

## 13782—*Smalts (Sign Painters')

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

**E. B. Estes & Sons** Established 1847
Manufacturers of **Estes' Osmalto**
Estes' Celebrated Sign Painters' Smalt.
Standard of Quality for 70 Years
**364 5th Avenue, New York City**

## 13783— Smelters (Lead)

Balbach Smelting & Refining Co., 580 Market, Newark, N. J.
Desloge Consolidated Lead Co., Rialto bldg, St. Louis, Mo.
Granby Mining & Smelting Co., St. Louis, Mo.
Lehigh Chemical Co., Allentown, Pa.
Metals Refining Co., Inc., Edison bldg., Chicago, Ill.
Pennsylvania Smelting Co., Carnegie, Pa.
St. Josephs Lead Co., 61 Broadway, New York
Sofranscy H. Co., Allentown, Pa.

## 13784— Smelters of Spelter

See also Spelter Manufacturers

American Zinc, Lead & Smelting Co., 120 B'way, New York
Am. Zinc Products Co., Greencastle, Ind.
Granby Mining & Smelting Co., St. Louis, Mo.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Hegeler Zinc Co., Danville, Ill.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Mineral Point Zinc Co., 140 S Dearborn, Chicago, Ill.
National Zinc Co., 61 B'way, New York
Sofranscy H. Co., Allentown, Pa.
United Zinc Smelting Corp., 99 John, New York

## 13785— Smelters & Refiners

See also Babbitt Metal; also Refiners, Electrolytic Copper

American Smelting & Refining Co., 120 B'way, New York
American Smelting & Refining Co., Cincinnati, O.
American Zinc, Lead & Smelting Co., 55 Congress, Boston, Mass.
Argus Smelting Co., 47 W 34th, New York
Atlantic Smelting & Refining Wks, 57 Richards, B'klyn, N. Y.
Austin John & Son (Gold, Silver & Platinum), 74 Clifford, Providence, R. I.
Balbach Smelting & Refining Co., 580 Market, Newark, N. J.
Baltimore Copper Smelting & Rolling Co., Canton, Baltimore, Md.
Bartlesville Zinc Co., 61 B'way, New York
Buffalo Smelting Works, 1 Austin, Buffalo, N. Y.
Chicago Metal Reduction Co., 20 W Jackson blvd, Chicago, Ill.
Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
Columbia Smelting & Refining Works, 366 West, New York
Crescent Phosphorized Metal Co., 2314 Wood, Phila., Pa.
Dee Thos. J. & Co., 5 S Wabash av, Chicago, Ill.
Delaware Metal Refinery, Washington & 18th, Phila., Pa.
Detroit Metal Refining Co., Book bldg., Detroit, Mich.
Deutsch N. & Co., 540 W 13th, Chicago, Ill.
Duquesne Reduction Co., Farmers Bank bldg., Pittsburgh, Pa.
Eagle Smelting & Refining Works, 233 Broadway, New York
Electric Smelting & Aluminum Co. (Aluminum, Silicon, Manganese, Alloys), Lockport, N. Y.
Elizabethtown Smelting Co., 503 Mulberry, Newark, N. J.
Empire Smelting Co., Depew, N. Y.
Fidelity Metal Co., 192 Diamond, Brooklyn, N. Y.
Garfield Smelting Co. (Copper, Ore, etc), Salt Lake City, Utah
Goldsmith Bros. Smelting & Refining Co., 29 E Madison, Chicago, Ill.
Granby Mining & Smelting Co., St. Louis, Mo.
Grasselli Chemical Co., Guardian bldg., Cleveland, O.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Harris, Benj. & Co. (Brass, Copper & Composition), 21st & Loomis, Chicago, Ill.
Hartman Ingot Metal Co. (Red & Yellow Ingot Metal), 2511 W 21st, Chicago, Ill.
Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.
Hilb L. Smelting & Refining Co., 1250 W 8th, Cincinnati, O.
Honkamp Bros. (Lead & Copper), 3951 Wentworth av, Chicago, Ill.
Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.
INTERNATIONAL NICKEL CO., 43 Exchange pl, New York *See adv index at end of book*
International Smelting Co., 42 B'way, New York
Irvington Smelting & Refining Co., Irvington, N. J.
Jacobson I. M. & Sons Co. (Brass, Copper, Lead, etc), 70 Catherine, Detroit, Mich.
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
KRAMER H. & CO., 1324 W 21st, Chicago, Ill.
Lehman Bros., Hoboken, N. J.
Lelong L. & Bro. (Gold & Silver), 345 Halsey, Newark, N. J.
Lissberger Marks & Sons, 281 Borden av, L. I. City, N. Y.
Loraine Smelting & Refining Co., 25 N Dearborn, Chicago, Ill.
McDonald Jas. & Sons Co., Cincinnati, O.
McHattan Foundry Co., 1500 Wash'n av, Phila., Pa.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Metals Refining Co., Inc., Edison bldg., Chicago, Ill.

**MICHIGAN SMELTING & REFINING CO.**
(Lead, Tin, etc., also Copper Bearing By-Products), 1695 Jos. Campus st, Detroit, Mich.

Monarch Metal Co., 119 So Lincoln, Chicago, Ill.
Mountain Copper Co. (Ltd.), 332 Pine, San Francisco, Cal.
Nassau Smelting & Refining Works, 607 W 29th, New York
National Copper Refining Co., 7003 Quincy, Cleveland, O.
National Lead Co., 111 B'way, New York
National Smelting Co., Grant av, Cleveland, O. *See adv index at end of book*
Natl. Smelting Corpn., 554 Bryant, San Francisco, Cal.
National Smelting & Refining Corp. (Platinum, Gold & Silver), 92 John New York
National Zinc Co. (Zinc), 61 B'way, New York
New Metals & Process Co., Inc. (Lead) Reading, Pa.
Newark Bay Smelting & Refining Co., Plum pt. lane, Newark, N. J.
Ohio Metal Co., 1137 No 4th, Columbus, O.
Ozark Smelting & Mining Co., 601 Canal rd, Cleveland, O.
Peninsular Smelting Co., 1385 W Jefferson av, Detroit, Mich.
Pennsylvania Smelting Co., 1st National Bank bldg, Pittsburgh, Pa.
Pittsburgh Smelting & Refining Co., Elizabeth & B. & O. R. R., Pittsburgh, Pa.
Progressive Metal & Refining Co., 432 Barclay, Milwaukee, Wis.
Raritan Copper Works, 42 B'way, New York

SMELTERS & REFINERS—continued
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
Richardson Research Laboratory (Precious Metals), Sloan bldg., Cleveland, O.
Roessing Bronze Co., Etna, Pa.
Rosenthal's Jos. Sons, 190 W. Berks, Phila., Pa.
St. Louis Smelting & Refining Co. (Lead Slag, etc), International Life bldg. St. Louis, Mo.
Schawel J. & Co. (Gold, Platinum & Silver in Sheet, Rod, Wire, Tubing, Foil & Silver Solder), 26 John, New York
Selby Smelting Works, 201 1st, San Francisco, Cal.
Shimer McGlynn & Co., 19th & Washington av, Phila., Pa.
Sofranscy H. Co., Allentown, Pa.
Standard Smelting & Refining Co., 547 W 21st, New York
Star Refining Co., 116 W First, Boston, Mass.
Tacoma Smelting Co. (Lead, Copper, Gold, etc), Tacoma, Wash.
Tottenville Copper Co., Bedell, Tottenville, N. Y.
Trenton Smelting & Refining Co., Trenton, N. J.
Tri-Bullion Smelting & Development Co. (Gold, Silver, Lead, etc), 10 Wall, New York
Union Smelting & Refining Co., Inc., Newark, N. J.
United American Metals Corp'n. (Syracuse Smelting Works subsidiary) ("Stanley Process"), 192 Diamond, Brooklyn, N. Y.
United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.
United States Metals Refining Co., 61 B'way, New York
United States Reduction Co., E Chicago, Ind.
United States Smelting, Refining & Mining Co. (Copper, Lead, etc.), Salt Lake City, Utah
United States Smelting Works, 1615 Spring Garden, Phila., Pa.
United Zinc Smelting Corp., 99 John, New York
Vulcan Louisville Smelting Co., 208 S La Salle, Chicago, Ill.
White & Bro., Hedley & Del River, Phila., Pa.
Wildberg Bros., Pacific bldg., San Francisco, Cal.
Woodfall Bros., 1105 Fairmount av, Phila, Pa.

## 13786— Smelting Outfits

Way's Pocket Smelter Sales Co. ("Way's"), South Pasadena, Cal.

## 13787—Smelting Plants (Complete Equipment)

TRAYLOR ENGNG. & MFG. CO. (Copper, Silver & Lead), Allentown, Pa.
*See adv index at end of book*

## Smoke Consumers

See Fuel Economizers; also Furnaces, Smokeless

## 13788—Smoke House Builders

Columbian Steel Tank Co., New England bldg, Kansas City, Mo.
Evers Iron Work ("Evers & Hilderbrandt" Patent), 1569 Merwin, N. W. Cleveland. O.
Gehret Bros. (Doors, Meat Trees, Patent Floors, etc), Bridgeport, Pa.
Kretchmer Mfg. Co. (Galvanized), Council Bluffs, Ia.
Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.

## 13789—Smoke Jacks (Round House)

Asbestos, Shingle, Slate & Sheathing Co. "Century," Asbestos Lumber), Ambler, Pa.
Dickinson Paul (Cast Iron & Wood), 3346 S Artesian av, Chicago, Ill
Franklin Mfg. Co., Franklin, Pa.
Johns-Manville H. W. Co. (Asbestos Wood), Madison av & 41st, New York
Mann-McCann Co. ("Bruyn," "Mann"), 305 So La Salle, Chicago, Ill.

## 13790— Smoke Stack Lining

Franklin Mfg. Co. ("Franklin"), Franklin, Pa.
Johns-Manville H. W. Co. ("Vitribestos"), Madison av & 41st, New York

## Smoke Stacks (Steel)

See Stacks, Steel

## 13791— Smokers (Bee)

Falconer W. T. Mfg. Co., Falconer, N. Y.
Kretchmer Mfg. Co. ("Champion"), Council Bluffs, Ia.
Root A. I. Co., Medina, O.

## 13791a— Smoking Sets

Consolidated Mfg. Co., Dayton, O.
Jefferson Glass Co., Follansbee, W. Va.
Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union Square West, New York
*See adv index at end of book*

## 13792-3—Smoothers (Asphalt)

Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.

## 13794— Snaps (Blanket)

North & Judd Mfg. Co. ("Royal," etc), New Britain, Conn.

## 13795—Snaps (Harness, Etc.)

See also Hooks, Snap

Berry Chas. ("Regan," Pole Rein, Trace, "Berry," Rein, Bridle, "Boyd's" Pole), Somerville, Mass.
Bridgeport Chain Co., Bridgeport, Conn.
Covert Mfg. Co. ("Yankee," "Trojan," "King," "Queen," "Sterling," "Polo," "Covert," "Holdfast"), Troy, N. Y.
Covert Saddlery Works ("Crown," "Triumph," "Model"), Interlaken, N. Y.
East Bangor Mfg. Co. ("J. P."), Bangor, Pa.
Eberhard Mfg. Co. ("Sure-Fast," etc). C & P Ry & Tennyson rd, Cleveland, O.
Elbel Co., Canton, O.
Fitch W. & E. T. Co., New Haven, Conn.
Frazer & Jones Co. ("Buffalo," "Jones," "Syracuse," "Empire," "Acme," etc.), Syracuse, N. Y.
Hayward S. F. & Co. (Fire Dept.), 250 W 54th. New York
Hogarty Edw., Unionville, Conn.
Imperial Bit & Snap Co., ("Imperial"), Racine, Wis.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Judd R. D., New Britain, Conn.
National Safety Snap Co. ("Kingsnap" Spring Steel), Wilmington, O.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North O. B. & Co., New Haven, Conn.
North & Judd Mfg. Co. ("Anchor Brand," "Loxspring," "Quick-Kloze"), New Britain, Conn.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Sargent & Co. ("Sampson," etc). New Haven, Conn.
Schartow Mfg. Co. ("Schartow"), Milwaukee, Wis.
Walsh Safety Lock Snap Co. ("Walsh" Safety Lock Snap), Bellevue, O.
Wire Goods Co. (Wire), Worcester, Mass.

## 13796— Snaps (Hitching)

Covert Saddlery Works Interlaken, N. Y.
East Bangor Mfg. Co. ("J. P."), Bangor, Pa.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Walsh Safety Lock Snap Co. ("Walsh" Safety Lock Snap), Bellevue, O.

## 13797— Snaps (Rivet)

Atlas Engineering Co., Lincoln, N. J.
Brunner & Lay, 570 W Polk, Chicago, Ill
Cleveland Punch & Shear Works Co. (Alloy or Carbon Steel), 3921 St. Clair av N E. Cleveland. O.

## 13798-9— Snaps (Swivel)

Covert Mfg. Co. ("Covert," "Yankee," "King" "Polo"), Troy, N. Y.
Frazer & Jones Co. (Trace, Breeching, etc), Syracuse, N. Y.
Imperial Bit & Snap Co., Racine, Wis.
Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Walsh Safety Lock Snap Co. ("Walsh" Safety Lock Snap), Bellevue, O.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 13799a— Snathes (Scythe)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 13800— Snippers (Bean)

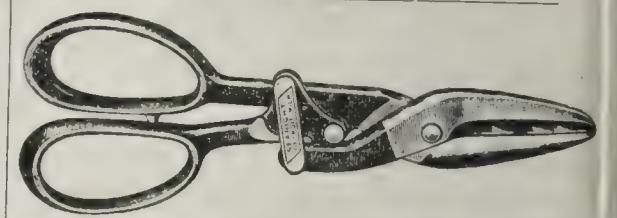
Gowanda Agricultural Works ("Century"), Gowanda, N. Y.

## Snips (Pineapple Eye)

See Eyers, Pineapple

## 13801— Snips (Tinners')

Acme Shear Co. ("Ajax," "Star"), Bridgeport, Conn.
Ansonia Novelty Co., Ansonia, Conn.
Atlas Shear Co., Bridgeport, Conn.
Bartlett Mfg. Co. ("Searchlight" Compound Lever Mechanics), 43 E Lafayette av, Detroit, Mich.
*See adv index at end of book*



**SEARIGHT PATENT COMPOUND LEVER SNIPS** are drop forged with Solid Crucible Steel blades. They cut 18 ga. at the point with one hand. Send for folder.

**Bartlett Manufacturing Co.**
**43 E. Lafayette Ave., Detroit, Michigan**

Bergman Tool Mfg. Co., Buffalo, N. Y.
Berridge Shear Co., Sturgis, Mich.
Boker Cutlery & Hardware Co., 101 Duane, New York
Bridgeport Hardware Mfg. Corp. ("Bull Dog," "Titan"), Bridgeport, Conn.
Clauss Shear Co. ("Clauss"), Fremont, O.
Clayton Mfg. Co. (Cast), Bristol, Conn.
Compton W. H. Shear Co. ("Reliance"), 314 Camden, Newark, N. J.
Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Heinisch's R. Sons Works, 109 Bruce, Newark, N. J.
Jackson Shear Co., Fremont, O.
Jennings C. E. & Co. ("Philadelphia"), 71 Murray, New York
Kraeuter & Co., 583 18th av, Newark, N. J.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
National Cutlery Co. (Tinners'), Westmoreland & Boudinot, Phila., Pa.
NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y.
*See adv index at end of book*
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Peck, Stow & Wilcox Co. ("1819 Original," "P. S. & W." & "Samson"), Southington, Conn.
*See adv index at end of book*
Penn Metal Ceiling & Roofing Co. (Ltd), 23d & Hamilton, Phila., Pa.
St. Louis Sales Co. ("Searight's" Compound Lever), Chemical bldg, St. Louis, Mo.
SMITH & HEMINWAY CO., INC. ("Red Devil"), 261 H B'way, New York, and 130 H. Coit, Irvington, N. J.
*See adv index at end of book*
White Ira F. & Son Co. (Cast), Bloomfield, N. J.
Wiss J. & Sons Co. ("Wiss" Steel Forged), 31 Littleton av, Newark, N. J.

## 13802—Snow Brooms & Sweepers (Street Railway)

See also Plows, Snow; also Street Railway Sweeping Machines

Brill J. G. Co. ("Brill" Standard Snow Sweeper), 62d & Woodland av, Phila., Pa.
Columbia Machine Works & Malleable Iron Co. ("Columbia" Snow Sweeper Brooms), Atlantic av & Chestnut, Brooklyn, N. Y.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
McGuire-Cummings Mfg. Co. ("McGuire-Cummings" Automatic Sweeper & Loader, also Snow Sweepers), Harris Trust & Savings bldg, Chicago, Ill.
Russell Car & Snow Plow Co., Ridgway, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.

## Snow Guards

See Roof Snow Guards

## 13802a— Soap

See also Sub-Classifications following; also Compounds Cleaning; also Powders, Soap

### CALIFORNIA.

BERKELEY—Standard Soap Co. (Laundry)
FRESNO—Fresno Soap Co. (Laundry)
LOS ANGELES—California Soap Co. (Hand), 2437 E 9th
Los Angeles Soap Co. (Laundry), 633 E 1st
OAKLAND—California Soap Co., 1261 66th
Lanz Louis
West Coast Soap Co., 26th & Poplar
SAN DIEGO—Citrus Soap Co.
SAN FRANCISCO—Alumina Soapalite Co., 625 3rd
Colgate & Co., 595 Mission. (See Jersey City, N. J.)
Crystalline Soap Co., Army & Hampshire
Fairbanks N. K. Co., Sheldon bldg. (See Chicago, Ill.)
Fischbeck Soap Co., 17th & Rhode Island
Gutradt Joseph Co.
Hockwald Chemical Co. (Liquid), 531 Howard
Los Angeles Soap Co., 250 Front. (See Los Angeles, Cal.)
Lucy G. R. & Co., 100 San Bruno
Mission Soap & Candle Works, 18th & Harrison
Newell & Brother, Army & San Bruno
Pioneer Soap Co., 15th & Vermont
Standard Soap Co. (Laundry), 40 Beale
SANTA CRUZ—Parsons & Hamilton
STOCKTON—Williams & Moore

### COLORADO.

DENVER—Baum Bros. (Liquid)
Lee John D

### CONNECTICUT.

BRIDGEPORT—Fairchild & Shelton Co., 305 Housatonic av
GLASTONBURY—Williams J. B. Co. (Shaving & Toilet)
HARTFORD—Erickson Soap Co.
Hall-Thompson Co.
Skat Co.
MANCHESTER—Orford Soap Co. (Bon Ami)
Robertson J. T. Co. (Toilet, Laundry & Mill)
MIDDLETOWN — Allison Bros. (Chip, Borax & Burnishing)
MYSTIC—Packer Mfg. Co. (See New York City)
STAMFORD—Star Mfg. Co. (Hand), 331 Summer
WATERBURY—Connecticut Oil Co.

### IDAHO.

BOISE—Idaho Soap Co.

### ILLINOIS.

AURORA—Rogers A. Co. (Soft)
CHICAGO—Anchor Core Economy Soap Co., 180 No. Dearborn
Antiseptol Liquid Soap Co., 564 W Randolph
Armour Soap Works (Laundry), 1355 W 31st
Babbitt B. T. (Inc.), 229 N State (see New York City)
Beltine Chemical & Mfg. Co. (Benzine, Dry Cleaners), 401 N Sangamon
Burr David & Co., 28 E Kinzie
Crofts & Reed Co., 2335 W Austin av
Economy Hang-Up Soap Co., 180 N Dearborn
Eisenstadt Wm., 1615 W 42nd
Fairbank N. K. Co. (Laundry & Glycerine Tar), 111 W Washington
Fairchild M. H. & Bro., 6 W Austin av
Fitzpatrick Bros. (Soap Chips), 1319 W 32d pl
Fitzpatrick John Co., 28th & Western av
Frazer Lubricator Co., 3921 Normal av
Globe Soap Co. (see Cincinnati, Ohio)
Graham Bros. & Co., 1319 W Lake
Henrotin A. Co. (Castile), 447 Wells
Hine Bros. Co., 4023 S Ashland av
Holman Soap Co., 3104 Fox
Johnson B. J. Soap Co. (see Milwaukee, Wis.)
Kendall Mfg. Co., 941 W Van Buren see Providence, R. I.)
Kirk James S. & Co., 1232 W North av
Lekko Soap Co., 925 S Wells
Monahan Antiseptic Co., 166 N Curtis av
Mulligan-Bilgman Co., 670 W Randolph
Pierce Chemical Co., 910 W Lake
Remmers Soap Co., 143 N Wabash av (See Cincinnati, Ohio)
Robertson Theo. B., Products Co. (20th century"), 700 W Division
Rome Soap Mfg. Co., 122 S Michigan av
Scannell John Co., 3208 S Robey
Schmidt Geo. A. Co. (Tar & Shaving), 236 W North av
Simplex Chemical Co., 31 W Lake
Strong C. H. & Co. (Tooth), 180 N. Market
Uno Mfg. Co., 6433 Ravenswood av
Vosburgh E. A., 925 S Wells
Wrisley Allen B. Co. (Toilet & Laundry), 923 S 5th av
DECATUR—Chromister V. H.
ELGIN—Elgin National Soap Co.
NORTH AURORA—Rogers A. Co.
OTTAWA—Keen Kleener Mfg. Co.
ROCK ISLAND—Warnock & Ralston (Best Chipped, Toilet)
STREATOR—Genseke Herman
WOODSTOCK—Wicks & Compton

### INDIANA.

FORT WAYNE—Rub-No-More Co. (Naptha & White)
INDIANAPOLIS—Bergmann F. J., 413 W Morris
Crescent Soap Co., 519 W McCarthy
Hoosier Mfg. Co., 523 N McCarthy (Vegetable Oil)
International Metal Polish Co. (Oil), Quill & Belt Ry
Olds Soap & Chemical Co., 540 W McCarthy (Laundry)
Williams Soap Co., 519 W McCarthy
LAFAYETTE—Schnaible M. & J. Co. (Laundry)
LOGANSPORT—Heppe Wm. & Sons Co.
MARION—American Soap Co.

### IOWA.

BURLINGTON—Burlington Soap Co. (Castile)
Iowa Soap Co. (Laundry & Toilet)
CLERMONT—Cla-Loid Mfg. Co. ("Cla-Loid")
DES MOINES—Harrah & Stewart Mfg. Co (Hand)
Prouty-Bowler Soap Co
DUBUQUE—Beach James & Sons (Toilet, Glycerine, Hand)
GRINNELL—Bonyata Chemical Co., (Liquid, Disinfectants & Scrubbing)
KEOKUK—Blom Peter H. C.
SIOUX CITY—Haskins Bros. & Co.
WAVERLY—Caphenin Chemical Co. (Liquid)

### KANSAS.

KANSAS CITY—Kansas City Soap Co.
Peet Bros. Mfg. Co.
LEAVENWORTH—National Soap Co.

### KENTUCKY.

COVINGTON—Heckman & Co.
LOUISVILLE—Louisville Soap Co. (Laundry), Shelby & Ormsby
Magic-Keller Soap Works, 1583 Washington

### LOUISIANA.

NEW ORLEANS—Fairbank N. K. Co. Whitney bldg (See Chicago, Ill.)
Southern Refining & Mfg. Co., Terminal Tracks, nr. Frenchmen

### MARYLAND.

BALTIMORE—Hoefner A. & Sons, Stewart bldg
Product Sales Co. (Sand), 32 So Calvert
Union Soap Co., 214 N Pearl (Toilet & Laundry)

### MASSACHUSETTS.

BOSTON—Babbitt B T. (Inc.), (see New York City)
Colgate & Co. (See Jersey City, N. J.)
Dermon Soap Co., 300 N Beacon
Dunher & Perkins (Distributors), 287 Atlantic av
Fairbank N. K. Co. (see Chicago, Ill.)
Fairchild M. H. & Bros., 620 Atlantic av
Hydro Palm Soap Co. Neponset
India Alkali Works (Shield Oil Soap & Savogran Soap Powder), 28 India Wharf
Kenney F. Mfg. Co., 368 Dorchester av
Kingston John, 300 N Beacon
Lockwood Brackett & Co. (Castile & Olive Oil), 222 State
McLean-Jones Oil & Supply Co., Inc., 40 Court
Marsh Geo. E. Co. (see Lynn, Mass.)
Morse J. F. & Co., 66 Norfolk av (Rox)
National Soap Corp., 444 Southampton
Speare's Alden Sons Co. (Laundry) (Cambridge), 156 6th
Standard Chemical & Supply Co., 16 Second
Stewart A. Collins Co., 70 Freeport
Surprise Soap Co., 45 Bennet
Warren Soap Mfg. Co., 77 Summer
Wing, Mitchell & Co., 113 Broad
Woodley Soap Mfg. Co., 33 Norfolk av (Rox.)
CAMBRIDGE—Cleanso Specialty Co.
Flash Chemical Co. ("Flash" Antiseptic Hand Cleaner, "Flash Vegetol," "Flash Hard Water Hand Pumice," Hand & Toilet), 160 2d
International Supply Co. ("Everybody's"), 2d & Bent
Kemp, Lysander & Sons
Reardon John & Sons Co. (Tallow, Oleo Oil, etc)
Teele Soap Co.
CHARLESTOWN—Rand & Byam (Laundry)
CHELSEA—Norris Wm. H. & Sons
EAST CAMBRIDGE—Standard Chemical & Supply Co. ("Soaposo"), 172 2d
GREENFIELD—Diamond Electric Soap Co.
HOLYOKE—Abbott W. H.
LAWRENCE—Beach Soap Co. (Laundry, Household & Chip)
LOWELL—Lowell Rendering Co.
LYNN—Hamson J. & Son (Laundry)
Marsh Geo. E. Co., 393 Chestnut
NEW BEDFORD—Hersom Thomas & Co.
NORTH ANDOVER—Glennie John
NORTH WEYMOUTH—Kleno Mfg. Co.
QUINCY—Bates C. F. & Co. (see Boston, Mass.)
ROCKLAND—Torrey J. A.
SOMERVILLE—Norton George W.
SPRINGFIELD—American Textile Soap Co. (Laundry & Small), Springfield, Mass.
Ericka Mfg. Co. (Hand)
Markham A. G. Co.
Springfield Rendering Co.

MASSACHUSETTS—continued
TAUNTON—Bassett Walter
WESTFIELD—Git Mfg. Co. (Hand)
WOLLASTON—Bates Chas. F. & Co.
WORCESTER—Buck E. A. Co. (Automobile Oil)
**Eastern Supply Co. (Laundry & Textile), 2 Canterbury**
White & Bagley Co. (Oil)

## MICHIGAN.

ALBION—Albion Chemical Works
DETROIT—Eaton Clark Co. (Benzine & Ammonia), 28 Woodward ave, Detroit, Mich.
National Soap Co. (Automobile Oil Soap & Vegetable Oil Fig Soap), 440 Franklin
Rosenthal Christian
Wayne Soap Co. (Chipped, Laundry, Toilet, Dry Cleaning & Oil), Copeland & M. C. R. R.
KALAMAZOO — Kalamazoo Soap Co. (Laundry & Electric Pumice)
PORTLAND—Wolverine Soap Co.
REPUBLIC—Nikulas Herman
SAGINAW—Passolt Henry Co.

## MINNESOTA.

MINNEAPOLIS—Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
Kleansall Company, McKnight bldg
Pure Oil Co., 1st & 13th av
Purity Soap Co., 100 Humboldt av, N
Van Tilburg Oil Co. (Linseed, Liquid & Oil), 2424 University av, S E
SAINT PAUL—Kenny J. T. & Company (Green & Linseed Oil)
SOUTH STILLWATER—Utecht August
WINONA—Hirschfeld A.
Old County Green Soap Co.
Winona Packing & Soap Co.

## MISSOURI.

EDINA—Kirk Edgar W. Soap & Cleanser Co.
KANSAS CITY—Kansas City Soap Co., Shawanee & R. R.
Peet Bros. Mfg. Co., 15th & Kansas av av
ST. LOUIS—Amole Products Co., Pontiac bldg.
Efficiency Oil Corp, 2100 Kienlen av
Johnson B. J. Soap Co. (see Milwaukee, Wis.)
Midvale Chemical Works, 610 Locust
Miller, Bonner & Co (Harness)
Politura Chemical Co.
Sayman Dr. Thomas M. (Toilet), 2121 Franklin av
Schaeffer Bros. & Powell Mfg. Co. (Laundry), Barton & Kosciusko
Vestal Liquid Soap & Disinfectant Co. (Liquid), 1121 Pine
Waltke Wm. & Co. (Lava, Olive Oil, Castile & Toilet), Second & Grand
SEDALIA—Hoffman John F., Jr.

## MONTANA.

HELENA—Perry C. T. & Co.

## NEBRASKA.

GIBBON—Rogers Virgil (Toilet)
OMAHA—Haskins Bros. & Co. (see Sioux City, Ia.)

## NEVADA.

RENO—Commercial Soap Co.

## NEW HAMPSHIRE.

MILFORD—Keith Wm. S.

## NEW JERSEY.

CAMDEN—Eavenson J. & Sons (Automobile, Textile & Toilet)
HARRISON—National Oil Products Co.
HOBOKEN—Stenken A. & Son
JERSEY CITY—Colgate & Co. (Toilet & Laundry), 105 Hudson
**Holbrook Mfg. Co. (Laundry, Textile, Chip, Castile & Potash), 18th**
Interstate Chemical Co. (Oil), 657 Garfield av.
Quaker Soap Co., 207 Provost
**Seydel Mfg. Co., 88 Forrest**
MILLVILLE—Daytons' Soap Mfg. Co.

NEWARK—Lyon John C.
Mennen Co. (Shaving), 42 Orange
**National Oil & Supply Co. (Automobile), 174 Freylinghuysen av**
Newark Soap Co.
NEW BRUNSWICK—Johnson & Johnson (Liquid & Shaving)

## NEW YORK.

**ALBANY—Christian Bros. Soap Co., 42** Deleware av
BINGHAMTON—R. & G. Soap & Supply Co. (Toilet)
BUFFALO—Cataract Refining & Mfg. Co. (Oil)
**Harris Soap Co., 18 Stetson**
**Hoefner A. & Sons (Laundry & Toilet), 160 Van Rensselaer**
Larkin Company (Naptha, Laundry Scouring, Carbolic, Castile & Shaving), 663 Seneca
Lautz Bros. & Co.
**Standard Oil Soap Co. (Oil & Medicinal), 45 N Division**
**Windsor Soap Co., 963 William**
COHOES—American Soap & Washoline Co.
ELMIRA—White J. Frank (Laundry)
FAIRPORT—Creamo Specialty Co.
GLEN COVE—Seaman Oil Co. (Automobile Oil)
LOCKPORT—Electric Smelting & Aluminum Co. (Alumina Soapalite Laundry Bar)
NEWBURGH—Granite City Soap Co.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Barnes Almond W., 32 Eagle
Bristol-Myers Co. (Liquid), 281 Greene av
Gill Thos. Soap Co., 711 Kent av
Harral Soap Co. (All Kinds), 136 Havemeyer
Kirkman & Son, 215 Water
Long Island Soap Co., 27 Bridgewater
Morgan Drug Co., 1512 Atlantic av
Pagnod A. & Sons (Castile), 250 46th
**Pride of the Kitchen Co. (Scouring), 390 Smith**
Quick-Kleen Soap Co., 191 Sanford
Rokeach I. & Sons, 345 Hewes
**Thompson's Carbolic Soap Co. (Laundry, Toilet & Medicinal), 46 Eagle**
Union Soap Co., 119 4th pl

### Boroughs of Manhattan and Bronx.

**NEW YORK—Ajax Oil & Grease Co. (Automobile), 170 W 65th**
**Altman B., 325 E 21st**
**American Cotton Oil Co. (Cottonseed, Fulling & Scouring), 65 B'way**
Babbitt B. T. (Inc.) (Liquid & Scouring), 15 W 34th
Bon Ami Co. (Selling Agents), (Scouring), 17 Battery pl
Clifton Chemical Co. (Liquid), 317 Greenwich
**COOK & SWAN CO., INC.** (Whale Oil & Fish Oil), 148 Front
*See adv index at end of book*
**Cromwell R. A. Mfg. Co. (Liquid), 303 E 29th**
Daggett & Ramsdell (Shaving), 214 W 14th
**Daggitt's Wm. H. Sons (Laundry & Soap Chips), 383 W 12th**
**Daland & Company, 203 W Broadway**
Devillers Soap Co. (Liquid & Automobile Oil), 95 Cliff
Empire Soap Co. (Laundry), 203 W Broadway
Fairbank N. K. Co., 26 Beaver (see Chicago, Ill.)
Farr Mfg. Co., 150 Nassau
Frank P. M. Disinfecting Co., 91 Bleecker
**Gardner & Co. (Hand), 222 E 34th**
Hamilton Co. (Castile, Importers Italian), Church & Fulton
**Janvier Walter, 417 Canal**
Jergens Andrew Co. (Toilet), 599 B'way
Kirk Jas. S. & Co. 203 W Broadway (See Chicago, Ill.)
Larkin Company, 200 5th av (See Buffalo, N. Y.)
**Lockwood, Brackett & Co. (Castile & Olive Oil), 949 B'way.** (See Boston, Mass.)
Manhattan Soap Co. (Toilet), 426 W 38th
May M. W. Company (Laundry), 104 E 126th
**Moore Bros. Co. (Leaf & Toilet), 288 Greenwich**
Morgans' Enoch Sons Co. (Laundry, Sapolio & Hand Sapolio), 439 West
Mulhens & Kropff (Fancy), 25 W 45th
National Oil Co., 17 Battery pl
New York Soap Works (Laundry), 427 W 13th
Oil & Grease Co. (Automobile), 65 B'way
**Packer Mfg Co. (Liquid & Tar), 81 Fulton**
Penn Soap Co. 90 W Broadway (See Lancaster, Pa.)
**Procter & Gamble Distributing Co.** 100 Broad (See Cincinnati, O.)
**Robertson Vanco Co. (Paste), 103 Park av**
Saponel Chemical Co. (Hand), 1916 Park av
**Scourene Mfg. Co. (Laundry), 539 W 39th**
**Soapitor Company (For Soapitors),** 154 W 14th
**Specification Soap & Oil Co. (Automobile, Textile, Liquid, Shampoo, Base Disinfectants), 427 W 13th**
Stanley James (Laundry), 640 W 30th
Stanley John T. (Hand), 642 W 30th
Utility Company (Hand & Liquid), 636 W 44th
Williams J. B. Co. (Shaving & Toilet), 31 W 4th

### Borough of Queens.

LONG ISLAND CITY—Domestic Soap Mfg. Co. (Scouring), 113 6th

**(End of New York City.)**

NORTH TONAWANDA—Farr Mfg. Co.
ROCHESTER—Puritan Soap Co. (Liquid), 496 Exchange
Tatlock Brothers (Hand)
Zonneyville M. J.
ROME—Rome Soap Mfg. Co. ("Three B")
SYRACUSE—Finn George M., 427 E Water

## OHIO.

AKRON—Akron Soap Co. (Laundry & Toilet)
CANTON—Hygienic Products Co.
CINCINNATI—American Soap Co., 1986 Plum
**Cincinnati Soap Co. (Toilet, Bath, Shaving, Glycerine & Medicinal),** Spring Gov. & Clifton avs, Wm. pl
**Dock Wm. & Co. (Toilet), 2144 Colerain av**
**Eagle Soap Co., Cooper & Turill Cum.**
Fischer Soap & Oil Co., 2715 Colerain av
Franklin Soap Co., 516 Reading
**Fry Brothers & Co. (Soap Chips), 111 E Canal**
**Globe Soap Co. (Borax Powdered), United Bank bldg**
**Hunnewell Soap Co. (Oil), 312 Genessee**
**Jergens Andrew Co., Spring Grove av**
Moore Oil Co., 683 Cleveland av
Proctor & Gamble, Gwynne bldg
**Remmers Soap Co. (Peroxide, Vegetable Oil, Toilet, Sulphur, Glycerine, Tar, Castile, etc), 2261 Spring Grove av**
**Ryan Soap Co., 2643 Spring Grove av**
**Snyder T. H. & Co., 8 E 3d**
Werk M. Company, Murray rd, St. Bernard
CLEVELAND—Buchan Soap Co., 988 Hume av N W
**Central Soap Mfg. Co. (Carbolic Castile, Wire Drawers, 2671 E 75th**
Chemical Supply Co. (Liquid), 2450 Canal
**Cuyahoga Rendering & Soap Works, Denison av S W**
**Energine Refining & Mfg. Co. (Lo Soap), 242 Arcade**
Great Western Oil Co., 2846 E 37th
Klean-Wel Mfg. Superior Viaduct Co. ("Klean-Wel"), 2220 W 85th
**Parker Refining Co. (Automobile), 1307 W 11th**
**Phoenix Oil Co. (Liquid), 2554 W 5th**
**Pioneer Mfg. Co. (Liquid & Linseed Oil), Harvard av & E 103rd**
Schwarz S. A. Oil Co., 57 Wade bldg.
Visco Motor Oil Co., 2104 Superior av, N W

COLUMBUS—Janton Geo. & Sons Co., 272 W Mound
Ross Thos. & Bros. Soap Co. (Laundry & Toilet), N Mound & River
Yeazell-Goldstein Co. (Hand)
DAYTON—Beaver Soap Co. (Pine Tar)
Davies Young Soap Co.
Fansher Brothers
Hewitt Bros. Soap Co.
Pioneer Tar Soap Co.
Wolf Creek Soap Works
HAMILTON—Smith E. A. (Oil)
IRONTON—Wiehle Bros Soap Works
MANSFIELD—Frietchen Edward & Bro.
MARIETTA—Northwestern Chemical Co. (Hand, Liquid & Pumice)
NEWARK—Newark Tallow Co.
NEW RICHMOND—Talley Co. (Liquid)
SANDUSKY—Musson J. W.
TIFFIN—Eidt George M.
TOLEDO—Thompson & Chute Soap Co., 213 Lucas
UPPER SANDUSKY—Cosmo Buttermilk Soap Co. (Toilet)
YOUNGSTOWN—Akron Soap Co. (Laundry & Toilet)

OREGON.

PORTLAND—Luckel King & Cake Soap Co., 642 Hood
Mt. Hood Soap Co., 108 N 4th

PENNSYLVANIA.

CHAMBERSBURG—Gerbig J. C. & Son
COLLINGDALE—Mione Mfg. Co. (Grit Hand)
CONSHOHOCKEN—Getz There Soap Co.
FRANKLIN—Sibley Soap Co.
HARRISBURG—Sieber F. C.
LANCASTER — Pennsylvania Soap Co. (Toilet & Laundry)
LEBANON—Lessley A. L.
Shucker & Shindel
McKEESPORT—Gordon R. W. & Co.
PHILADELPHIA—Bates Howard M., 1140 Fairmount av
Day & Frick, 1760 N Howard
Dobbins Soap Mfg. Co. (Laundry), 119 S 4th
Enterprise Mill Soap Works, 2229 N 12th
Fairbank N. K. Co. (See Chicago, Ill.)
Fels & Company (Laundry), 73rd & Woodland av
Fox Charles J. (Textile), 313 S Philip
Gartside's Iron Rust Soap Co., 4054½ Lancaster
Good James (Carbolic, Disinfectants, Fish & Palm Oil), 939 N Front
Hamilton Robt. & Son, 709 Tasker
Harding H. C. (Mill), Sedgley & W 17th
Harding & Fancourt (Olive, Fig, Palm & White Tallow), 516 S Delaware
Jones Charles Dorrance (Automobile & Cleaning), 422 Locust
Laurel Soap Mfg. Co., Inc., 1528 Frankford av
Lautz Bros. & Co., 13 S Front. (See Buffalo, N. Y.)
List J. & Son, 1776 N Hancock
Modoe Company, Fernwood
Morrison F. E. Co., 5730 Kingsessing av, Fernwood
Procter & Gamble Distributing Co. Bourse. (See Cincinnati, O.)
Rath Mfg. Co. (Hand & Liquid), Hedley, E of Richmond
Scholler Bros. Co. (Olive, Tallow, Palm & Chipped), Amber & Westmoreland
Stanley John T., Green & Del. (See New York City)
Tomson P. C. & Co., 29 Washington av
Tully James J., 179 Master
Vacuum Soap Co., 180 Oxford
Wrigley Mfg. Co., Bourse
Young C. W. & Co., 1247 N 26th
PITTSBURGH—Colgate & Co. (See New York City)
Fairbank N. K. Co., May bldg. (See Chicago, Ill.)
Falck F. L. & Co., 1400 High
Globe Soap Co., 1204 Penn av. (See Cincinnati, O.)
Hasley Geo. & Sons, 1540 East
Kirk Jas. S. & Co., Wabash bldg
Procter & Gamble Distributing Co. (See Cincinnati, O.)
Staab G., 54 Royal
Strunz S. & Son (Special, also Liquid Soft & Laundry), 708 Bingham
Walker W. & H., Herrs Island
SCRANTON—Greenberg Chas. F.
SHARPSBURG—Williams Joseph Co.
WARREN—Warren Specialty Co. (Chip)

RHODE ISLAND.

EAST GREENWICH—Farrington W. U. (Estate of)
NEWPORT—Jones E. D. & Son
PAWTUCKET—Draper J. O. Co.
Perry Oil Co.
PROVIDENCE—Harris A. W. Oil Co. (Motor Car), 326 S Water
Kendall Mfg. Co., 90 Friendship
Miley Soap Co.
Miller Mfg. Co., 668 Eddy
WOONSOCKET—Standard Soap Mfg. Co.

TENNESSEE.

CHATTANOOGA—Scholze E. W.
NASHVILLE—Enterprise Soap Works

TEXAS.

DALLAS—Armstrong Packing Co.
SAN ANTONIO—Dietrich J. & Co. (Cottonseed Oil)
Lange Soap Co. (Laundry)

UTAH.

SALT LAKE CITY—Utah Soap Co.

VERMONT.

BENNINGTON—Adams Enos Co. (Mineral Soap Crystals & Hand Paste)
BURLINGTON—Hough H. H.

WASHINGTON.

SEATTLE—Bernard W. J.
Riebe Green Soap Co. (Vegetable Green, Automobile, Liquid & Hand)
SPOKANE—Western Soap Co. (Ltd.)

WISCONSIN.

APPLETON—Heinskill John
GREEN BAY—Green Bay Soap Co. (Laundry)
MADISON—Kailen M. & Son
MILWAUKEE—Babbitt B. T. (Inc.) (See New York City)
Crystal Soap Co. (Toilet), 60 5th
Hansen John & Sons, 824 30th
Johnson B. J. Soap Co. (Laundry, Toilet, "Morax," Pumice, Textile, Tar & Shaving), 42 4th
Lavo Company, 48 7th
Milwaukee Soap Co., 379 4th
Wadham's Oil Co. (Liquid, Toilet, Oil & Drilling), 359 Clinton
SHEBOYGAN—Rexine Co. (Toilet)

## 13803—Soap (Automobile Oil)

Ajax Oil & Grease Co., 170 W 65th, New York
Buck E. & A. Co. ("Powers"), Worcester, Mass.
Camden Chem. Mfg. Co. ("Greyhound" Neutral Suds), 1800 Mickle, Camden, N. J.
Cataract Refining & Mfg. Co. ("Cascade"), Buffalo, N. Y.
Chemical Supply Co., 2450 Canal rd, Cleveland, Ohio
Cortland Specialty Co., Cortland, N. Y.
Davies Young Soap Co. ("Buckeye" Cleanser), Dayton, O.
Devillers Soap Co. ("National"), 95 Cliff, New York
Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
Eavenson J. & Sons, Camden, N. J.
Flash Chemical Co. ("Flash Vegetal"), 160 2d, Cambridge, Mass.
Hollingshead R. M. Co. ("Whiz"), Camden, N. J.
Hoosier Mfg. Co. ("Knoxall"), N McCarthy, Indianapolis, Ind.
Houghton E. F. & Co. ("Houghton"), 240 W Somerset, Phila., Pa.
India Alkali Works ("Shield"), 28 India Wharf, Boston, Mass.
International Metal Polish Co. ("Blue Ribbon"), Quill & Belt Ry, Indianapolis, Ind.
Monahan Antiseptic Co., 166 N Curtis, Chicago, Ill.
National Oil Products Co., Harrison, N. J.
National Oil & Supply Co. ("Viscos"), 174 Frelinghuysen av, Newark, N. J.
National Soap Co. ("Auto King"), 440 Franklin, Detroit, Mich.
Oil & Grease Co. ("O & G"), 65 B'way, New York
Parker Refining Co., Cleveland, Ohio
Puritan Soap Co. ("Puritan"), 496 Exchange, Rochester, N. Y.
Riebe Green Soap Co., Seattle, Wash.
Seaman Oil Co., Glen Cove, N. Y.
Sibley Soap Co., Franklin, Pa.
Specification Soap & Oil Co., 427 W 13th, New York
Stock G. B. Xylite Grease & Oil Co., Port Huron, Mich.
WAVERLY OIL WORKS CO., 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## 13804— Soap Bark

Hillier's R. Son Co. (Imp), 100 William, New York

## 13805— Soap (Castor Oil)

Bosson & Lane, Atlantic, Mass.

## 13806—Soap Dispensers (Liquid)

Antiseptol Liquid Soap Co. ("Antiseptol"), 564 W Randolph, Chicago, Ill.
Clifton Chemical Co., 317 Greenwich, New York
Ferguson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Flash Chemical Co. ("Flash"), 160 2d, Cambridge, Mass.
Garnet Geo. H. Co., Allentown, Pa.
Hillyard Mfg. Co., St. Joseph, Mo.
MORRILL CHAS. ("Soapburn" & "Apex," for All Purposes), 100 Lafayette, New York. *See adv index at end of book*

The Soapurn is an economical, sanitary liquid soap dispenser made in a variety of sizes and styles, and is a necessity in every washroom. Extensively used in public offices and factories.

**Chas. Morrill**
**100 Lafayette St.**
**New York**

Rochester Germicide Co., Rochester, N. Y.
Smithereen Co., 4523 Cottage Grove av, Chicago, Ill.
Soapitor Co., 154 W 14th, New York
West Disinfecting Co., 411 5th av, New York

## 13807— Soap (Green)

Columbus Chemical Co. ("High Grade," for Woodwork & Floors), 3725 Langley av, Chicago, Ill.
National Oil Products Co., Harrison, N. J.

## 13808— Soap (Hand)

Adams Enos Co., Bennington, Vt.
Bobrick Chemical Co., 117 S Garey, Los Angeles, Cal.
Bosson & Lane (Para Oil), Atlantic, Mass.
California Soap Co., 2437 E 9th, Los Angeles, Cal.
Climax Cleaner & Mfg. Co., 2080 W 110th, Cleveland, O.
Colgate & Co., 105 Hudson, Jersey City, N. J.
Davies, Young Soap Co. ("Whiz"), Dayton, O.
Diana Oil & Grease Co., 554 Hamilton av, Brooklyn, N. Y.
Durkee-Atwood Co. ("Rie Nie"), 40 Wilder, Minneapolis, Minn.
Eastern Supply Co., 2 Canterbury, Worcester, Mass.

SOAP (HAND)—continued

**Eavenson J. & Sons, Camden, N. J.**
**Ericka Mfg. Co., Springfield, Mass.**
Flash Chemical Co. ("Flash"), 160 2d Cambridge, Mass.
**Git Mfg. Co. ("Git" & "Mechanics Pride"), Westfield, Mass.**
**Hall-Thompson Co., Hartford, Conn.**
**Harrah & Stewart Mfg. Co. ("Thumbs"),** Des Moines, Ia.
**Harral Soap Co., 136 Havemeyer, Brooklyn, N. Y.**
Hollingshead R. M. Co. ("Krystal Soiloff," "Washeasy"), Camden, N. J.
**International Metal Polish Co. (Cold** Cream"), Quill & Belt Ry, Indianapolis, Ind.
International Supply Co. ("Everybody's"), 2d & Bent, Cambridge, Mass.
**Jergens Andrew Co. ("Jergens" Pumiss),** 599 B'way, New York
**Johnson B. J. Soap Co., 42-4th, Milwaukee,** Wis.
Klean-Wel Mfg. Co. (Klean-Wel"), Superior Viaduct, Cleveland, O.
**Kleno Mfg. Co., N Weymouth, Mass.**
**Mione Mfg. Co. ("Mione"), Collingdale, Pa.**
Modoc Co., Fernwood, Pa.
Monahan Antiseptic Co., 166 N Curtis, Chicago, Ill.
**National Soap Co., 440 Franklin, Detroit,** Mich.
Northwestern Chemical Co. ("Norwesco"), Marietta, O.
Orono Sales Co., 29 India, Boston, Mass.
Puritan Soap Co., 496 Exchange, Rochester, N. Y.
**Rath Mfg. Co. ("Fingarbrite"), Hedley E of Richmond, Phila., Pa.**
Rexine Co., Sheboygan, Wis.
**Robertson Vanco Co. ("Vanco" Paste), 103 Park av, New York.**
**Saponol Chemical Co., 1916 Park av, New** York
Skat Co. ("Skat"), Hartford, Conn.
**Stanley John T., 642 W 30th, New York**
Tatlock Bros. ("Tats Grip"), Rochester, N. Y.
Utility Co. ("Gresolvent"), 636 W 44th, New York
**Van Cleef Bros., 7711 Woodlawn av, Chi**cago, Ill.
**Waltke Wm. & Co., Grand av & 2nd, St.** Louis, Mo.
Weller H. P. Supply Co., Erie, Pa.
White & Bagley Co., Worcester, Mass.
Winn Wm. R. ("Clean Easy"), 488 Cherry, New York
Yeazell-Goldstein Co. ("Shidoo" Paste), Columbus, O.

## 13809— Soap (Harness)

Colgate & Co., 105 Hudson, Jersey City, N. J.
**Fiebing Chemical Co. ("Fiebing's"), 240** Reed, Milwaukee, Wis.
Frazer Lubricator Co. ("Frazer"), 3921 Normal av, Chicago, Ill.
Hollingshead R. M. Co. (Castile Cream, etc; also Saddle Soap), Camden, N. J.
Miller Frank Co., 349 W 26th, New York
Moore Oil Co. (For Jobbing Trade Only), York & McLean av, Cincinnati, O.
Sinclair Refining Co. ("Four Bros.), Albany, N. Y.
**Sonneborn L. Sons ("Amalie"), 262 Pearl,** New York
**Stevens Grease & Oil Co. (For Jobbing Trade Only), E 79th & Avrina av,** Cleveland, O.

## 13810— Soap (Linseed Oil)

American Oil Corp. ("Advance"), Jackson, Mich.
Am. Zinc Products Co., Greencastle, Ind.
Baum's Castorine Co., Rome, N. Y.
Chemical Supply Co., 2450 Canal rd, Cleveland, Ohio
Climax Refining Co. ("Bull Dog"), Williamson bldg, Cleveland, O.
Climax Western Oil Co. ("Bull-Dog"), 2824 10th av, S Minneapolis, Minn.
Great Western Oil Co., 2846 E 37th, Cleveland, Ohio
**India Alkali Works ("Shield"), 28 India** Wharf, Boston, Mass.
Modoc Co. (Soft Soap), Fernwood, Phila., Pa.
Moore Oil Co. (For Jobbing Trade Only), York & McLean av, Cincinnati, O.
Pioneer Mfg. Co. ("Shino"), Harvard av & E 103rd, Cleveland, O.
Sherwin-Williams Co. ("Flaxoap"), Cleveland, O.



Sinclair Refining Co., ("U-Au-To"), Albany, N. Y.
**Sonneborn L. Sons ("Amalie"), 262 Pearl,** New York

## 13811— Soap (Liquid)

**Alcatraz Co., Inc., 3200 Williamsburg av,** Richmond, Va.
**Antiseptol Liquid Soap Co. ("Antiseptol"), 564 W Randolph, Chicago, Ill.**
Autozone Chemical Co., 32 Old slip, New York
Baum Bros. Co., Denver, Colo.
Bonyata Chemical Co. ("Del-Luzon" Brand), Grinnell, Ia.
Bristol-Myers Co., 281 Greene av, Brooklyn, N. Y.
California Exterminating Co., Inc., 121 Manhattan, New York
Caphenin Chem. Co., Waverly, Iowa
Carpenter W. D. Co., Syracuse, N. Y.
Chemical Supply Co., 2450 Canal rd, Cleveland, Ohio
Clifton Chemical Co., 317 Greenwich, New York
Climax Refining Co. (Toilet), Williamson bldg., Cleveland, Ohio
Colgate & Co., 105 Hudson, Jersey City, N. J.
Cortland Specialty Co., Cortland, N. Y.
Cromwell R. A. Mfg. Co. ("Sphinx"), 303 E 29th, New York
Fergusson Alex C., Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
**Fischer Soap & Oil Co. ("Latheroll"), 2715 Colerain av, Cincinnati, O.**
Flash Chemical Co. ("Flash"), 160 2d Cambridge, Mass.
Fort Pitt Chemical Co. ("Fort Pitt"), 3134 Penn av, Pittsburgh, Pa.
Garnet Geo. H. Co., Allentown, Pa.
Hillyard Mfg. Co., St. Joseph, Mo.
Hockwald Chemical Co. ("Royal"), 531 Howard, San Francisco, Cal.
Hollingshead R. M. Co. ("Whiz" Toilet), Camden, N. J.
Hygenol Co. ("Hygenol"), 2837 Henn, Minneapolis, Minn.
**Johnson B. J. Soap Co., 42 4th, Milwaukee,** Wis.
Johnson & Johnson, New Brunswick, N. J.
Lewis Samuel ("Beaumont"), 73 Barclay, New York
National Oil Products Co., Harrison, N. J.
Northwestern Chemical Co., Marietta, O.
Ohio Chemical Co., Findlay, Ohio
**Packer Mfg. Co. ("Packers" Tar), 81 Fulton, New York**
**Phoenix Oil Co., 2254 W 5th, Cleveland, O.**
**Pioneer Mfg. Co. ("Shino"), Harvard av & E 103rd, Cleveland, O.**
**Puritan Soap Co. ("Puritan"), 496 Exchange, Rochester, N. Y.**
**Rath Mfg. Co., Hedley, E of Richmond,** Phila., Pa.
Riebe Green Soap Co., Seattle, Wash.
**Robertson Thos. B. Products Co. ("Triumph"), 700 W Division, Chicago, Ill.**
Rochester Germicide Co., Rochester, N. Y.
Sanifat Co., 141 W 36th, New York
Sanitary Products Corp. ("Soapolin"), Philadelphia, Pa.
Saponal Chemical Co., 1916 Park av, New York
Sibley Soap Co., Franklin, Pa.
Specification Soap & Oil Co., 427 W 13th, New York
Standard Oil Soap Co., 45 N Division, Buffalo, N. Y.
Strunz S. & Son, 708 Bingham, Pittsburgh, Pa.
U. S. Chemical Co., Greenville, O.
**Vestal Liquid Soap & Disinfectant Co. ("Vestal"), 1121 Pine, St. Louis, Mo.**
Waldham's Oil Co., Natl. Bank bldg, Milwaukee, Wis.
Walton F. S. Co. ("Victoria"), Orthodox & Del., Phila., Pa.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*
West Disinfecting Co. (("Beau Brummel"), 411 5th av, New York

## 13812— Soap Powders

See also Powders (Soap)

American Textile Soap Co., Springfield, Mass.
California Exterminating Co., Inc., 121 Manhattan, New York
**VERA CHEMICAL CO., North Milwaukee,** Wis.; Stoneham, Mass.; Burlington, Ontario, Canada

## 13812a— Soap (Shaving)

Colgate & Co., 105 Hudson, Jersey City, N. J.
Daggetts & Ramsdell,, 214 W 14th, New York
Johnson B. J. Soap Co., 42 4th, Milwaukee, Wis.
Johnson & Johnson, New Brunswick, N. J.
Larkin Co., 663 Seneca, Buffalo, N. Y.
Mennen Co., 42 Orange, Newark, N. J.
Schafer Geo. H. & Co. ("V-E-L-O"), Fort Madison, Ia.
Williams J. B. Co., Glastonbury, Conn.

## 13812b— Soap (Soft)

Glogau & Co., 466 Dickey bldg, Chicago, Ill.

## 13813— Soap Stock

American Cotton Oil Co., 65 Broadway, New York

## 13813a— Soap (Textile Mill)

Anchor Color & Gum Wks., Dighton, Mass.
Arabol Mfg. Co., 100 William, New York
Brewer & Co., Worcester, Mass.
Fancourt W. F. & Co., Inc., 516 S Del., Phila., Pa.
Miller Mfg. Co., 668 Eddy, Providence, R. I.
National Oil Products Co., Harrison, N. J.
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.

## 13814—Soap (Vegetable Oil)

Columbia Refining Co. ("Amberzo"), 90 West, New York
Harral Soap Co. (For Metal Spinners, etc), 136 Havemeyer, Brooklyn, N. Y.
Hoosier Mfg. Co. ("Knoxall"), 523 N McCarthy, Indianapolis, Ind.
**Remmers Soap Co., 2261 Spring Grove av, Cincinnati, O.**
**Riebe Green Soap Co., Seattle, Wash.**
Robertson Theo. B. Products Co., Inc., ("20 Century"), 700 W Division, Chicago, Ill.
Waverly Oil Works Co., 54th & A. V. R. R., Pittsburgh, Pa.
*See adv index at end of book*

## 13815— Soap (Whale Oil)

Royal Chemical Co., Phoenix, R. I.
Swan & Finch Co., 165 B'way, New York
Warren Products Co., 265 Canal, New York *See adv index at end of book*

## 13816—Soapmakers' Supplies

Adams Fred C. Co. (Caustic Soda & Soda Ash), 118 N LaSalle, Chicago, Ill.
Elbert & Company (Imp.), 71 Wall, New York
International Silica Co., Cairo, Ill.
Magnus, Mabee & Reynard (Oils), 257 Pearl, New York
Tweedy Co. (Jobbers, etc.) 24 California, San Francisco, Cal.

## 13817— Soapstone

Alberene Stone Co. (Quarries), 223 E 23d, New York
American Mineral Co., Johnson, Vt.
Bull Run Talc & Soapstone Co. ("Redoxo"), Clifton Station, Va.
**CHRYSTAL CHARLES B., 13 Cliff, New** York. *See adv index at end of book*
Cohutta Talc Co. (Foundry Facings, Crayons, Pencils, etc), Dalton, Ga.
Doggett Stanley (Brick, Foundry Facings, etc), 11 Cliff, New York
Dolge C. B. Co., Westport, Conn.
Dunn & Kruse (Imp), 63 Park Row, New York
Fuller, Ralph L. & Co., Inc., 81 Fulton, New York
Hammill & Gillespie, 240 Front, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
National Sales & Trading Co. (Talc), Cleveland, O.
New England Quartz Co. of N. Y. (Powdered), 150 Nassau, New York
Phoenix Soapstone Co., 71 Murray, New York
Product Sales Co. (Miners), 32 So Calvert, Baltimore, Md.
Talc Products Co., 11 Pine, New York
Troy Bros. & Co., 975 Massachusetts av, Rox. Boston, Mass.
Union Soapstone Co., 14 Marshall, Boston, Mass.
**WILLIAMS C. K. & CO.,** Easton, Pa.
*See adv index at end of book*

## 13818— Soapstone for Electrical Work

Alberene Stone Co., 223 E 23d, New York
Doggett Stanley, 11 Cliff, New York
Phoenix Soapstone Co., 71 Murray, New York
Walls, Owen & Stambach Co., 11th & Hamilton, Phila., Pa.

## Soapstone for Lubricants

See Soapstone, Powdered or Dust

## Soapstone (Ground)

See Soapstone, Powdered or Dust

## 13819—Soapstone (Powdered or Dust)

American Mineral Co., Johnson, Vt.
American Soapstone Finish Co., Chester Depot, Vt.
Atlas Mineral Products Co., Lincoln, N. J.
Doggett Stanley, 11 Cliff, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
McIlvaine Bros., 1500 Hamilton, Phila., Pa.
Salomon L. A. & Bro. (Powdered), 216 Pearl, New York
Smith Facing & Supply Co., 1857 Carter rd, Cleveland, Ohio

## 13820—Socket Bushing (Rubber)

Goodrich B. F. Co., Akron, O.
Republic Rubber Co., Youngstown, O.

## 13821— *Socket Linings

**DELAWARE HARD FIBRE CO.** (Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Elastoid Fibre Co. ("Elastoid" Insulating), Waltham, Mass.

## 13822— Sockets (Awning)

Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 13823— Sockets (Bow)

Am. Forging & Socket Co. (Automobile), Pontiac, Mich.
Ashtabula Bow Socket Co. (Leather Covered & Japanned), Ashtabula, O.
Bonney Vise & Tool Wks., Inc. (Carriage), Allentown, Pa.
*See adv index at end of book*
Brewer-Titchener Corp. ("Ajax," "Cortland," "Pioneer"), Cortland, N. Y.
Cleveland Hardware Co., Lakeside av & E 45th, Cleveland, O.
Detroit Forging Co., 120 Mt. Elliot av, Detroit, Mich.
Detroit Socket Co., 834 W Jefferson, Detroit, Mich.
General Drop Forge Co., Buffalo, N. Y.
Metal Stamping Co., 13th, Long Island City, N. Y.
Mossman, Yarnelle & Co. (Wood, for Auto & Carriage), Fort Wayne, Ind.
Owensboro Forging Co. (Steel), Owensboro, Ky.
Scherer H. & Co. (Leather Covered & Steel), 280 E Jefferson, Detroit, Mich.
Woodruff Walter W. & Sons Co., Mt. Carmel, Conn.

## 13823a—*Sockets (Candelabra, Fibre & Brass)

**MORSE FRANK W.** (Candelabra, Miniature & Ediswan), 289 Congress, Boston, Mass. *See adv index at end of book*

## 13824— Sockets (Chair)

Berbecker & Rowland Mfg. Co., Waterville, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 13825—Sockets (Curtain Pole & Rod)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Brocks A. S. Rubber Co., 57 Broad, Boston, Mass.
Bryant Elec. Co., 1421 State, Bridgeport, Conn.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Turner & Seymour Mfg. Co., Torrington, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 13826— Sockets (Die)

Cleveland Steel Tool Co., 660 E 82nd, Cleveland, O.

## 13827— Sockets (Drill)

American Specialty Co. ("Use-Em-Up"), 319 W Ohio, Chicago, Ill.
Armstrong Bros. Tool Co. (Blacksmith), 339 N Francisco av, Chicago, Ill.
Billings & Spencer Co. ("B & S"), Hartford, Conn.
Clark Equipment Co. ("Celfor"), Buchanan, Mich.
Cleveland Twist Drill Co. ("Perfect Double Tang"), 1 E 49th, Cleveland, Ohio
Cole, Henry & Co., 54 Old Colony av, Boston, Mass.
Collis Co. (Standard Sleeves & Sockets), Clinton, Ia.
Conn. Tele. & Elec. Supply Co., 70 Britnia, Meriden, Conn.
Culver-Stearn Mfg. Co., 34 S Bridge, Worcester, Mass.
**DETROIT TWIST DRILL CO.**, 555 Fort, Detroit, Mich.
*See adv index at end of book*
General Elec. Co., Schenectady, N. Y.
*See adv index at end of book*
Gibson-Hollister Mfg. Co., Springfield, Mass.
Harvard Elec. Co., 523 W Van Buren, Chicago, Ill.
Higginson-Gibson Mfg. Co. (Conn. Sockets), 76 Atherton, Boston, Mass.
Keystone Mfg. Co., Buffalo, N. Y.
Lancaster Machine & Knife Works, Lancaster, N. Y.
Lovejoy Tool Works (& Sleeves), 319 W Ohio, Chicago, Ill.
*See adv index at end of book*
Manhattan Electrical Supply Co., 17 Park Pl, New York
*See adv index at end of book*
Morse Frank W., 293 Congress, Boston, Mass.
Morse Twist Drill & Machine Co., ("Morse"), New Bedford, Mass.
Muncie Malleable Castings Co., Muncie, Ind.
National Twist Drill & Tool Co. ("National," Taper Shank Sockets & Sleeves), Detroit, Mich.
New Process Twist Drill Co., Taunton, Mass.
Pratt & Whitney Co. (High Power), Hartford, Conn.
Reliable Elec. Co., 411 S Sangamon, Chicago, Ill.
Scully, Jones & Co., Railway Exch. bldg, Chicago, Ill.
Union Twist Drill Co. (Steel Blank End, Morse Taper & Fitted), Athol, Mass.
**WHITMAN & BARNES MFG. CO.**, Akron, O. *See adv index at end of book*

## 13828—Sockets (Electric Lamp)

Arrow Electric Co. ("Arrow Twenty"), Hartford, Conn.
Benjamin Electric Mfg. Co. (Rotating Counter-balanced), 128 S Sangamon, Chicago, Ill. *See adv index at end of book*
Bryant Electric Co., Bridgeport, Conn.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Federal Sign System (Electric), 6700 S State, Chicago, Ill.
Freeman E. H. Electric Co. ("Russell" Keyless), Trenton, N. J.
Hubbell Harvey, Inc., Bridgeport, Conn.
Johns-Manville H. W. Co. (Weatherproof Mica Moulded), Madison av & 41st, New York
Metal Specialties Mfg. Co. ("Presto"), 338 N Kedzie av, Chicago, Ill.
National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
Paiste H. T. Co., 3201 Arch., Phila., Pa.
Pass & Seymour ("P. & S." Weatherproof), Solvay, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Sears Henry D. ("Weber-Universal," "Weber Electroller," "Weber Porcelain"), 80 Boylston, Boston, Mass.
Union Electric Co., Trenton, N. J.
Waterbury Button Corporation (Brass & Composition), 831 S Main, Waterbury, Conn. *See adv index at end of book*
Yost Electric Mfg. Co., Toledo, O.

## 13829—*Sockets (Electric Light)

Benjamin Electric Mfg. Co., 128 S. Sangamon, Chicago, Ill.
*See adv index at end of book*
**CUTLER-HAMMER MFG. CO.** (Brass Shell), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*

## 13830— Sockets (Flag Pole)

Durkee Chas. D. & Co., 2 South, New York
Laughlin Thos. Co., Portland, Maine
Marine Hardware Co., Peabody, Mass.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 13831—Sockets (Furniture Leg, Etc.)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Weber-Knapp Co. (Brass), Jamestown, N.Y.

## 13831a—Sockets (Hard Rubber, Fibre & Brass)

Metal Specialties Mfg. Co. ("Ediswar," "Presto"), 338 N Kedzie av, Chicago, Ill.
**MORSE FRANK W.** (Candelabra, Miniature & Ediswan), 289 Congress, Boston, Mass. *See adv index at end of book*

## 13832— Sockets (Incandescent Lamp)

See also Sockets, Electric Lamp

Bryant Electric Co. ("New Wrinkle," "Wrinklet"), Bridgeport, Conn.
Crouse-Hinds Electric Co. ("Norbett" Weatherproof), Syracuse, N. Y.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Electric Supply Co. ("Hawkeye"), Sioux City, Ia.
**GENERAL ELECTRIC CO.** ("Push Button" Metal Shell, Key, Keyless, Pull & Locking), Schenectady, N. Y.
*See adv index at end of book*
Hubbell Harvey (Pendant Chain Pull), Bridgeport, Conn.
Johns-Manville H. W. Co. (Moulded Mica), Madison av & 41st, New York
Paiste H. T. Co., 3201 Arch, Phila., Pa.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Peru Electric Co., Peru, Ind.
Sears Henry D. ("Weber-Universal," "Weber Electroller," "Weber Porcelain"), 80 Boylston, Boston, Mass.
Yost Electric Mfg. Co., Toledo, O.

## 13832a— Sockets (Ladder)

Arcade Mfg. Co. (Iron), Freeport, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 13833— Sockets (Lathe)

Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Union Twist Drill Co., Athol, Mass.

## 13834— Sockets (Lock)

Arrow Electric Co. ("Arrolock," also receptacles), Hartford, Conn.
Pass & Seymour ("Shurlok"), Solvay, N. Y.

## 13835—Sockets (Miniature Lamp)

Arrow Electric Co. ("Arrow E," also receptacles), Hartford, Conn.
Bryant Electric Co., Bridgeport, Conn.
Federal Sign System (Electric), 6700 S State, Chicago, Ill.
**GENERAL ELECTRIC CO.** (Also Candleabra, "Double Catch"), Schenectady, N. Y. *See adv index at end of book*
Hart & Hedgeman Mfg. Co., 342 Capital av, Hartford, Conn.
Interstate Electric Novelty Co. ("Franco"), 107 S 4th, Brooklyn, N. Y.

SOCKETS (MINIATURE LAMP)—cont.
McCandless H. W. & Co., 406 W 31st, New York
Mitchell Vance Co., 507 W 24th, New York
Pass & Seymour, Solvay, N. Y.
Waldman John J., 64 Murray, New York

## 13836— Sockets (Peavey)

American Logging Tool Co., Evart, Mich.

## 13837—Sockets (Porcelain)

Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Bryant Electric Co., Bridgeport, Conn.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Federal Sign System, 8700 S State, Chicago, Ill.
**GENERAL ELECTRIC CO.** (Double Catch" Key & Keyless, Pull, Push Button & Locking), Schenectady, N. Y. *See adv index at end of book*

## 13838—Sockets (Pump Rod)

Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
**Johnson E. E., St. Paul, Minn.**
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*

## 13839— Sockets (Push)

**CUTLER-HAMMER MFG. CO.** (Push Button), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*

## 13840— Sockets (Regulating)

Anylite Electric Co., Ft. Wayne, Ind.
Knapp Mfg. Co., 48 Warren, New York
Pringle Electrical Mfg. Co. ("Ries"), 1906 N 6th, Phila., Pa.
Wirt Co. ("Dim-a-lite"), Germantown, Phila., Pa.

## 13841— Sockets (Special)

Federal Electric Co., 640 W Lake, Chicago, Ill.
Hubbell Harvey (Inc.), ("Hubbard," Pendant Chain Pull), Bridgeport, Conn.

## 13842— Sockets (Standard)

Arrow Electric Co. ("Arrowe"), Hartford, Conn.
**Best** Electric Co., 51st & Harrison, Pittsburgh, Pa.
Bryant Electric Co. ("New Wrinkle"), Bridgeport, Conn.
Conn. Elec. Mfg. Co., Conn. av, Bridgeport, Conn.
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Paiste H. T. Co. ("Holoshade"), 3201 Arch, Phila., Pa.
Pass & Seymour, Solvay, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Sears Henry D. ("Weber-Universal," "Weber Electrolier," "Weber Porcelain"), 80 Boylston, Boston, Mass.
Union Elec. Co., Trenton, N. J.
Yost Electric Mfg. Co., Toledo, O.

## 13843—Sockets (Sucker Rod)

Bradford Supply Co., Bradford, Pa.
**Masseth** Packer & Machine Co. ("M. & B."), Butler, Pa.

## 13844—Sockets (Waterproof)

**Arrow Electric Co. ("Arrow E."), Hartford, Conn.**
**BENJAMIN ELECTRIC MFG. CO. ("Benco"), 128 S Sangamon, Chicago, Ill.**
*See adv index at end of book*
**Best Electric Co., Vanadium bldg, Pittsburgh, Pa.**
Bryant Electric Co. (Weatherproof), Bridgeport, Conn.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
**Crouse-Hinds Co. ("Norbitt" & "Condulletto" Porcelain), Syracuse, N. Y.**
Federal Electric Co., 625 W Lake, Chicago, Ill.
Federal Sign System, 8700 S State, Chicago, Ill.
Freeman E. H. Electric Co., Trenton, N. J.
Heineman Geo., 728 W Girard av, Phila, Pa.
International Insulating Corp. (Mica), 25 W 45th, New York
Johns-Manville H. W. Co. (Moulded Mica), Madison av & 41st, New York
Mechanical & Electrical Mfg. Co., 2227 Prairie av, Chicago, Ill.
**Newgard Henry & Co., 947 Wash. blvd, Chicago, Ill.**
**Paiste H. T. Co., 3201 Arch, Phila., Pa.**
Pass & Seymour, Solvay, N. Y.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Trumbull Electric Mfg. Co., Plainville, Conn.
Union Electric Co., Trenton, N. J.
Waterbury Button Corporation (& Composition), 831 South Main, Waterbury, Conn. *See adv index at end of book*

## Sockets (Weatherproof)

**See Sockets, Waterproof**

## 13845— Sockets (Whip)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Eberhard Mfg. Co., C. & P. Ry. & Tennyson rd, Cleveland, O.**
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Fernald Mfg. Co., North East, Pa.
Flint Specialty Co., Flint, Mich.
Landers Bros. Co., Toledo, O.
Racine Malleable & Wrought Iron Co., Racine, Wis.
Scott E. W. Co., Danielson, Conn.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.

## 13845a—Sockets (Wire Rope)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Bonney Vise & Tool Works, Inc., Allentown, Pa. *See adv index at end of boo*
Broderick & Bascom Rope Co. (Jobbers), 805 N Main, St. Louis, Mo.
**Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.**
Chicago Steel Foundry Co. ("Chicago," **Crucible Cast Steel), 3701 S Kedzie av, Chicago, Ill.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Laughlin Thos. Co., Portland, Me.
**Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.**
Lucey Manufacturing Corp., 233 B'way, New York
*For branch offices see Alphabetical Section*
Marine Hardware-Equipment Co. ("Acme" & "Mheco" Drop Forged), So Portland, Me. *See adv index at end of book*
**MOON GEO C. CO.** ("Crescent"), Garwood, N. J.
*See adv index at end of book*
**Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.**
**ROEBLING'S JNO. A. SONS CO.** ("Roebling"). Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Terry & Tench Co., 70 E 45th, New York
Trow & Holden Co., Barre, Vt.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*
Williams J. H. & Co. ("Vulcan" Drop Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 13845b— Sockets (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 13846—Sockets & Receptacles (Candelabra)

**GENERAL ELECTRIC CO.** (& Miniature "Threaded Catch," "Fluted-Catch"). Schenectady, N. Y.
*See adv index at end of book*
Trumbull-Vanderpoel Electric Mfg. Co., Bantam, Conn.
Woolley W. Douglas, 1170 B'way, New York

## 13847—Socks (Lumbermen's)

**Adler Underwear & Hosiery Mfg. Co., Harrison & Queen City avs, Cincinnati, O.**
Alpena Woolen Mills, Alpena, Mich.
Bornemann Ed., St. Peter, Minn.
Chicago Hosiery Co., 565 Michigan av, Detroit, Mich.
Clare Knitting Mills, Saginaw, Mich.
Consolidated Knitting & Spinning Mills, Reading, Pa.
Cook Jonas M., Somerset, Pa.
Cooper, Wells & Co., St. Joseph, Mich.
**Detroit Alaska Knitting Mills, 575 Michigan av, Detroit, Mich.**
**Fead John L. & Sons, Port Huron, Mich.**
Forest City Woolen Mills Co., Cleveland, O.
Fox River Valley Knitting Co., Appleton, Wis.
**Frankenmuth Woolen Mill Co., Frankenmuth, Mich.**
**Gloversville Knitting Co., Gloversville, N. Y.**
Hand Knit Hosiery Co., Sheboygan, Wis.
Hollywood Mfg. Co., Hollywood, W Va.
**Inland Knitting Works, Green Bay, Wis.**
La Crosse Knitting Co., La Crosse, Wis.
Mishawaka Woolen Mfg. Co., Mishawaka, Ind.
National Knitting Co., 905 Clinton, Milwaukee, Wis.
New Albany Hosiery Mills, New Albany, Ind.
Portage Hosiery Co., Portage, Wis.
Rich John & Bros., Woolrich, Pa.
**Ripon Knitting Works, Ripon, Wis.**
**Soo Woolen Mills, Sault Ste Marie, Mich.**
Wood H. H. & Co., Lakeport, N. H.

## 13848-9— Soda Ash

Adams Fred Co. Co., 118 N La Salle, Chicago, Ill.
**American Chemical Co., 640 Carr, Cincinnati, O.**
Braun-Knecht-Heimann Co., 576 Mission, San Francisco, Cal.
Breslauer A. (Industrial Chemicals), American Nat'l Bank bldg, San Francisco, Cal.
Clark Fred G. Co. (For Wholesale Trade Only), 1081 W 11th, Cleveland, O.
Columbia Chemical Co., Frick bldg, Pittsburgh, Pa.
Diamond Alkali Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
**Fuller Ralph L. & Co., Inc., 81 Fulton, New York**
Hacke M. C. (Mer.), 144 California, San Francisco, Cal.
Harshaw, Fuller & Goodwin, Elec. bldg, Cleveland, O.
**Heil Henry Chemical Co. (Imp.), St. Louis, Mo.**
Hill's Edward Sons & Co. (Agents Mich. Alkali Co.), 64 Wall, New York
**Horstmann John Co., 685 Bryant, San Francisco, Cal.**
Industrial Chem. Co. (Dense), 200 5th av, New York
Innie, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*
**Johnson A. W. V., Merchants Exchange, San Francisco, Cal.**
Mathieson Alkali Works ("Eagle" & "Thistle" Brand), 53 Canal, Providence, R. I.
Mechling Bros. Mfg. Co., Camden, N. J.
Michigan Alkali Co., Wyandotte, Mich.
Michigan Electrochemical Co., Menominee, Mich.
Miller Jos. B., Finance bldg, Phila, Pa.
Morton Salt Co., 80 E Jackson blvd, Chicago, Ill.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Partola Mfg. Co., 160 2d av, New York
**Penna. Salt Mfg. Co., Widener bldg, Phila., Pa.**
**Riker J. L. & D. S. (Imp.), 19 Cedar, New York**
Solvay Process Co., Syracuse, N. Y.
**Vera Chemical Co., No. Milwaukee, Wis. Stoneham, Mass., Burlington, Ont., Canada**
Wander, S. & Sons' Chemical Co., Albany, N. Y.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
**Welch, Holme & Clark Co., 383 West, New York**
Wiarda John C. & Co. (Jobbers, 148 58 per cent.), 273 Greene, Brooklyn, N. Y.

**Wing & Evans (Selling Agents), 22 William, New York**
**Wolf Jacques & Co. (Selling Agents), Passaic, N. J.**

### Soda (Bi-Carbonate)
See Sodium Bicarbonate

### Soda (Bichromate & Fluoride)
See Sodium Bichromate; also Sodium Fluoride

### Soda (Bisulphate)
See Sodium Bisulphate

### 13850— Soda (Caustic)
See also Caustic Soda

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin, Elec bldg, Cleveland, O.
**WARREN PRODUCTS CO.**, 265 Canal, New York *See adv index at end of book*

### Soda (Hydrosulphite)
See Sodium Hydrosulphite

### 13851—Soda Recovery Plants
International Process Co. ("Carlson"), 5 Beekman, New York
Newhall Geo. M. Engng. Co. (Engines for Complete Plants), Commercial Trust bldg, Phila., Pa.

### 13852-3— Soda (Selenate)
**Drakenfeld B. F. & Co. (Imp.), 50 Murray, New York**

### Soda (Trisodium Phosphate)
See Sodium Tri-Phosphate

### Soda (Washing)
See Sal-Soda

### 13854—Sodium Acetate (Acetate of Soda)
Anderson Chemical Co., Wallington, N. J.
du Pont Chemical Works, Wilmington, Del.
du Pont E. I. de Nemours & Co. (Acid & Heavy Chemical Sales Dept.), Wilmington, Del.
General Chemical Co., 25 Broad, New York
Grasselli Chem. Co. (Brown & White), Guardian bldg, Cleveland, Ohio
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Herrick & Voigt, 68 Maiden Lane, New York
Merrimac Chemical Co., 148 State, Boston, Mass.

### 13854a— Sodium Arsenate
Shaw John & Co., 15 Elkins South, Boston, Mass.

### Sodium Benzoate
See Benzoate of Soda

### 13854b—Sodium Bicarbonate
See also Bicarbonate of Soda

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### 13854c— Sodium Bichromate
Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
du Pont (E. I.) de Nemours & Co. (Acid & Heavy Chemical Sales Dept.), Wilmington, Del.
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mutual Chemical Co. of America, 55 John, New York
Natural Products Refining Co. ("Naproco"), 902 Garfield av, Jersey City, N. J.
Partola Mfg. Co., 160 2nd av, New York

### 13854d—Sodium Bi-Fluoride
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

### 13854e— Sodium Bismuthate
Holz & Co., Inc., 18 Madison av, New York *See adv index at end of book*

### 13854f— Sodium Bisulphate
Butterworth-Judson Corp., 61 Broadway, New York *See adv index at end of book*
Fuller Ralph L. & Co. Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Kuttroff Pickhard & Co., Inc. (Selling Agents), 128 Duane, New York
Warren Products Co., 265 Canal, New York *See adv index at end of book*
Wolf Jacques & Co., Passaic, N. J.

### 13854g— Sodium Bisulphite
See also Bisulphite of Soda

Avery Chemical Co., 88 Broad, Boston, Mass.
Butterworth-Judson Corp., 61 B'way, New York
General Chemical Co., 25 Broad, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mechling Bros. Mfg. Co., Camden, N. J.
Merrimac Chemical Co., 148 State, Boston, Mass.
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### 13855— Sodium Bromide
Dow Chemical Co. (Granular), Midland, Mich.
Greeff R. W., 78 Front, New York
Halogen Chemical Co., Bay City, Mich.
Mallinckrodt Chem. Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl., New York
New York Quinine & Chemical Works, 135 William, New York
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### 13855a—Sodium Carbonate
See also Sal Soda

Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### Sodium Carbonate Anhydrous
See Soda Ash

### Sodium Carbonate Chrystal
See Sal Soda

### 13855b— Sodium Chlorate
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Jackson John J. Co., 158 Astor, Newark, N. J.
Miller Jos B., Finance bldg, Phila., Pa.
North American Chemical Co., Bay City, Mich.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Warren Products Co., 265 Canal, New York *See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

### 13855c— Sodium (Chromate)
Mutual Chemical Co. of America, 55 John, New York
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### 13855d— Sodium Cyanide
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### 13855e—Sodium (Ferrocyanide)
Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Bower Henry Chemical Co., Gray's Ferry rd & 29th, Phila., Pa.
Innis, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*
Katzenbach & Bullock, 100 William, New York
Mathieson Alkali Works, 53 Canal, New York
Penman Littlehales Chemical Co., Syracuse, N. Y.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Semet-Solvay Co., Syracuse, N. Y.
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### 13855f— Sodium Fluoride
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Highfield, John W., 248 N 10th, Brooklyn, N. Y.
Klipstein A. & Co., 644 Greenwich, New York
Malinckrodt Chemical Wks., 2nd & Malinckrodt, St. Louis, Mo.
Partola Mfg. Co., 160 2d av, New York
Roessler & Hasslacher Chem. Co., 709 6th av, New York
Warren Products Co., 265 Canal, New York *See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, New York

### Sodium Hydrate
See Caustic Soda

### Sodium Hydroxide
See Caustic Soda

### 13855g—Sodium (Hypochlorite)
Warner Chemical Co., 52 Vanderbilt, New York

### 13855h—Sodium Hyposulphate
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mechling Bros. Mfg. Co., Camden, N. J.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
Warren Products Co., 265 Canal, New York *See adv index at end of book*
Wolf Jacques & Co., Passaic, N. J.

### 13855i— Sodium Nitrate
See also Nitrate of Soda

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
du Pont (E. I.) de Nemours & Co. (Acid & Heavy Chemical Sales Dept.), Wilmington, Del.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York. *See adv index at end of book*

### 13855j— Sodium Nitrite
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Marden Orth & Hastings Co., 136 Liberty, New York
Semet-Solvay Co., Syracuse, N. Y.

### 13856— Sodium Perborate
Bischoff C. & Co. (Imp.), 451 Washington, New York

### 13856a—Sodium (Permanganate)
Schapper Chemical Co., 192 N Clark, Chicago, Ill.
Warren Products Co., 265 Canal, New York *See adv index at end of book*
Wood J. Early, Inc., 21 Platt, New York

### 13856b— Sodium Peroxide
Niagara Electro Chemical Co., Niagara Falls, N. Y.
Roessler & Hasslacher Chemical Co., 709 6th av, New York

## 13857— Sodium Phosphate

Block Chemical Works, Berkeley, Newark, N. J.
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Merck & Co., 45 Park pl, New York
**Thomsen Chemical Co., Munsey bldg, Baltimore, Md.**
**Warner Chemical Co., 52 Vanderbilt av, New York**
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 13857a— Sodium (Salicylate)

See also Salicylate of Soda
Aniline Dyes & Chemicals, Inc., 134 Cedar, New York
Greeff R. W. & Co., 80 Maiden Lane, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Monsanto Chemical Wks., 1800 S 2nd, St. Louis, Mo.
Organic Salt & Acid Co., Vernon & Nott avs, Long Island City, N. Y.
Semet-Solvay Co., Syracuse, N. Y.

## 13858— Sodium Salts

McKesson & Robbins, 91 Fulton, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Mechling Bros. Mfg. Co. (Sulphide of), Camden, N. J.
Roessler & Hasslacher Chemical Co. (Cyanide of Sodium), 709 6th av, New York

## 13858a— Sodium Silicate

Central Commercial Co., 111 N Market, Chicago, Ill.
Feuchtwanger L. & Co., 136 Liberty, New York
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Horstmann John Co., 685 Bryant, San Francisco, Cal.
Mechling Bros. Mfg. Co., Camden, N. J.
Philadelphia Quartz Co., 121 S 3d, Phila., Pa.
Philadelphia Quartz Company of California, 6th & Grayson, Berkeley, Cal.
St. Louis Chemical Wks. Co., 8025 S B'way, St. Louis, Mo.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.

## 13858b—Sodium Silico-Fluoride

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Sundheimer Hy, 103 Park av, New York

## 13858c— Sodium Sulphate

See also Salts, Glaubers'
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Partola Mfg. Co., 160 2nd av, New York

## 13859— Sodium (Sulphide)

Durex Chemical Corp., 320 5th av, New York
Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Chemical Co., 25 Broad, New York
Gilman Wm. D. Co. (Concentrated), 22 S 3d, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mechling Bros. Mfg. Co., Camden, N. J.
Merrimac Chemical Co., 148 State, Boston, Mass.
Miller Jos. B., Finance bldg, Phila., Pa.
Roessler & Hasslacher Chemical Co., 709 (Crystals & Fused), 709 6th av, New York
**ROLLIN CHEMICAL CORP.** (Double & Single Strength), 120 B'way, New York *See adv index at end of book*
Semet-Solvay Co., Syracuse, N. Y.
Thomsen Chemical Co., Munsey bldg, Baltimore, Mo.

Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wolf Jacques & Co. (Selling Agents), Passaic, N. J.

## 13860— Sodium Sulphite

Butterworth-Judson Corp., 61 B'way, New York *See adv index at end of book*
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
National Aniline & Chemical Co., Inc. (60%-62%), 21 Burling slip, New York
**Thomsen Chemical Co., Munsey bldg,** Baltimore, Md.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 13860a—Sodium Tri-Phosphate

Fergusson Alex C. Jr., 474 Chestnut, Phila., Pa. *See adv index at end of book*
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
*See adv index at end of book*
Hendley Chemical Co., 72 Trinity pl, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Nitrated Chemicals Co., Inc., Lorain, Ohio
Warner Chemical Co., 52 Vanderbilt av, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 13860b— Sodium (Uranate)

Carnotite Reduction Co., E 26th & So. Park av, Chicago, Ill.
Foote Mineral Co., 107 N 19th, Phila., Pa.

## 13861— Softeners (Cotton)

Arabol Mfg. Co. ("Bradford" Soluble Grease), 100 William, New York
**Arnold Hoffman & Co., 55 Canal, Providence, R. I.**
Bosson & Lane ("Olo Soffene"), Atlantic, Boston, Mass.
Draper J. O. Co., Pawtucket, R. I.
Fox Chas. J., 313 S Philip, Phila., Pa.
Harding & Fancourt ("Tuscan"), 516 S Delaware av, Phila., Pa.
Herrick & Voigt, 68 Maiden Lane, New York
Holbrook Mfg. Co., 18th & Coles, New York
Houghton E. F. & Co. ("C. G.," "Alba," "Olive Cream"), 240 W. Somerset, Phila., Pa.
Leyland Thos. & Co., Readville, Boston, Mass.
**Loos & Dilworth, 134 S Front av, Phila., Pa.**
McMeekan D. Mfg. Co. (Also Silk), 1070 Pacific, Brooklyn, N. Y.
National Oil Products Co., Harrison, N. J.
Pawtucket Mordant Co., Pawtucket, R. I.
Providence Drysalters Co., East Greenwich, R. I.
Royal Chemical Co., Phenix, R. I.
Scholler Bros. Co., Ambler & Westmoreland, Phila., Pa.
Tanner Chas. S. Co., 250 S Water, Providence, R. I.
Wilmington Oil Refining Co., Wilmington, Del.
**Wolf Jacques & Co., Passaic, N. J.**
Worden Chemical Works, 4 Cedar, New York
**Zurn O. F. Co. (Turkish Softener, Resolvent Compound),** Broad & Lehigh, Phila., Pa.

## 13862— Softeners (Skin)

Emrich, Phil. (Or Arm Stakes), 824 Main, Cincinnati, O.

## 13863— Soil Pipe Closers

Bradford Wm. A. Co., Quincy, Mass.

## Soil Pipe & Fittings

See Cast Iron Soil Pipe & Fittings

## 13864— Solder (Aluminum)

Allen L. B. Co., Inc., 4519 N Lincoln, Chicago, Ill.
Atkinson Co., Rochester, N. Y.
Austin M. B. & Co., 406 Jackson blvd, Chicago, Ill.
**Birtwistle E. S., 148 N. J. R. R. av, Newark, N. J.**
Buckeye Products Co., 919-929 W 5th, Cincinnati, Ohio
*See adv index at end of book*
**City Brass Foundry Co., 5318 St Clair av,** Cleveland, O.
Harley Co., Springfield, Mass.
**Ideal Bronze Co., 1265 E 55th, Cleveland, Ohio**
**Janney, Steinmetz & Co. ("Richards"), 1421 Chestnut, Phila., Pa.**
Lansenkamp F. H., Indianapolis, Ind.
Lester Co. ("Arrow"), Fayetteville, N. Y.
**MORE-JONES BRASS & METAL CO.,** B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
National Aluminum Co., Racine, Wis.
National Solder Co., 934 E 174th, New York
Reinhold Noflux Aluminum Solder Co., 31 Clinton, Newark, N. J.
Richards & Company (Inc.), 192 Beverly, Boston, Mass.
Ruby Chemical Co., Columbus, O.
**So-Luminum Mfg. & Engng. Co. ("So-Luminum"), 1790 Broadway,** New York
**Thwing Instrument Co., 3339 Lancaster av, Philadelphia, Pa.**
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
**U. S. Reduction Co., E Chicago, Ind.**
Universal Fluxine Co. ("Acme"), Urbana, Ohio

## 13865— Solder (Band Saw)

Fuller Geo. H. & Son Co. (Silver), Pawtucket, R. I.

## 13865a— Solder (Bar)

Eagle Smelting & Refining Wks., 233 B'way, New York
Great Western Smelting & Refining Co., 4100 Wallace, Chicago, Ill.
*See adv index at end of book*
Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
**Michigan Smelting & Refining Co.,** Detroit, Mich. *See adv index at end of book*
**More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.**
*See adv index at end of book*
**Nassau Smelting & Refining Wks., 603 W 29th, New York**
**Richards & Co., 192 Beverly, Boston, Mass**
**Riverside Metal Refining Co., Connellsville, Pa.**
U. S. Smelting Wks. (& Wire), 1615 Spring Garden, Phila., Pa.

## 13866—Solder (Brass Spelter)

Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
**Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.**
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

## 13867— Solder (Brazing)

**ACTIVE SPINNING & SHEET METAL WKS.,** 56 W Kinzie, Chicago, Ill.
*See adv index at end of book*
**Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.**
**Huther Bros. Saw Mfg. Co., Rochester, N. Y.** *See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
**Nassau Smelting & Refining Works, Ltd., 603 W 29th. New York**
North American Smelting Co. ("Crescent"), 9th & Thompson, Phila., Pa.
Oldham New York Saw Works, Inc. (Silver), 112 26th, Brooklyn, N. Y.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill. *See adv index at end of book*
Shimer, McGlynn & Co. ("Golden Rod"), 19th & Washington av, Phila., Pa.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Waterbury Brass Goods Corp., Waterbury, Conn.
Wolff L. A. Metal Works, 1257 Harrison av, Cincinnati, Ohio

## 13868—Solder (Gold & Silver)

**Benson H. K. & F. S. (Silver Only), Glen Ridge, N. J.**
**Fuller Geo. H. & Son Co. (Silver), Pawtucket, R. I.**
**Hagstoz T. B. & Son, 709 Sansom, Phila., Pa.**
**Hough W. S. Jr. Co. (In Sheets & Wire), 61 Peck, Providence, R. I.**
**Jackson John J. Co., 158 Astor, Newark, N. J.**
**Linton & Co. (Sheet or Wire), 95 Pine, Providence, R. I.**
**Ney J. M. Co. (Silver Solder for Brazing, etc), Hartford, Conn.**
**Noble F. H. & Co., 559 W 59th, Chicago, Ill.**
**Platt Chas. S. Co. (Silver in Sheet, Wire or Field), 31 Gold, New York**
**United Wire & Supply Co. (in Wire & Sheets), Elmwood Station, Providence, R. I.**
**Wall A. T. Co., 162 Clifford, Providence, R. I.**

## 13869—Solder (Plumbers', Tinners' Etc.)

See also Soldering Paste, Salts & Stick

**American Casting & Mfg. Corp. (Wire), 30 Main, Brooklyn, N. Y.**
**American Lead Co. (Wire Triangle, etc), 3116 Penn av, Pittsburgh, Pa.**
**Amer. Smelting & Refining Co., Cincinnati, O.**
**Atkinson Co., Rochester, N. Y.**
**Blatchford E. W. Co., 230 N Clinton, Chicago, Ill.**
**Brady Brass Co., 170 14th, Jersey City, N. J.**
**Bruce & Cook, 190 Water, New York**
Butter Samuel & Co., 284 Franklin, Boston, Mass.
**Canfield M. C. Sons Co., 93 Wilsey, Newark, N. J.**
**Central Smelting & Refining Co., Borden av & Hayward, Long Island City, N.Y.**
**Chadwick-Boston Lead Co. (Bar, Block, Wire, Plumbers', Tinman's & Came or Glaziers'), Boston, Mass.**
**Chicago Solder Co. (Solid Wire & Bar), 218 N Union av, Chicago, Ill.**
**Cleveland Alloys Co., Elm & Superior, Cleveland, O.**
**Crown Metal Co., 259 Washington, Milwaukee, Wis.**
Delaware Metal Refinery, Washington & 18th, Philadelphia, Pa.
Delphos Mfg. Co., 1st & Pierce, Delphos, Ohio
**Detroit Lead Pipe Works, Detroit, Mich.**
**Eagle Picher Lead Co. The, ("Eagle"), 208 S La Salle, Chicago, Ill.**
**Eagle Smelting & Refining Works (Wire Segment, Bar, Drop & Caffing Triangle, etc), 233 Broadway, New York**
**Empire Metal Co., Syracuse, N. Y.**
**Erie White Metal Co., Erie, Pa.**
**Finn John Metal Works, Seattle, Wash.**
**Fleck Bros. Co. (Plumbers'), 44 N 5th, Phila., Pa.**
**Graham Jas. & Co., New Haven, Conn.**
**Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.**
**Henning V. & Sons, 330 Belmont av, Brooklyn, N. Y.**
**Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.**
**Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.**
**Hungerford U. T. Brass & Copper Co. (Bar, Tri-Angular & Capping Wire & Segments), 80 Lafayette, New York**
**Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.**
**Jacob Bros., Bridgeport, Conn.**
**Jacobson I. M. & Sons Co. (For All Purposes), 70 Catherine, Detroit, Mich.**
**Kahn Bros. ("Solder-Iron" Brand), 785 Humboldt, Brooklyn, N. Y.**
**Kramer H. & Co., 1330 W 21st pl, Chicago, Ill.**
**Lang E. M. Co. ("Neverslip" Wire, Drop & Stick), Portland, Me.**
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**Lehman Bros., Hoboken, N. J.**
**Lewis Jno. T. & Bros. Co., Lafayette bldg, Phila., Pa.**
**Linton & Co. (Sheet Brass), 95 Pine, Providence, R. I.**
Lissberger Marks & Son, 281 Borden av, L. I. City, N. Y.
Los Angeles Smelting Co., 739 N Main, Los Angeles, Cal.
Lukens Thos. F. Metal Co., 238 N 4th, Philadelphia, Pa.
**LUMEN BEARING CO., 200 Lathrop, Buffalo, N. Y.** *See adv index at end of book*
McDonald Jas. & Sons Co., Cincinnati, O.
Maryland Brass & Metal Wks., Calvert & Federal, Baltimore, Md.
**MERCHANT & EVANS CO., (Bar, Tri-Angular & Capping; Wire & Segments), Washington av & 21st, Philadelphia, Pa.** *See adv index at end of book*
Metals Refining Co., Inc., Edison bldg, Chicago, Ill.

**MICHIGAN SMELTING & REFINING CO.**
1695 Jos. Campau, Detroit, Mich.

Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Millar Chas. & Son Co., Utica, N. Y.
**MORE-JONES BRASS & METAL CO.** (Bar Wire & Triangular), B'way & Dock, **St. Louis, Mo.**
*See adv index at end of book*
Nassau Smelting & Refining Works, 607 W 29th, New York
**National Copper Refining Co., 7003 Quincy, Cleveland, O.**
National Lead Co. (Wire, Triangular, Drop & Bar Solder), 111 B'way, New York
National Lead & Oil Co. of Pa., Commonwealth bldg, Pittsburgh, Pa.
**North American Copper Co., 52 Vanderbilt av, New York**
North American Smelting Co. (Tinners & Brazing), 9th & Thompson, Phila., Pa.
Northwestern Chemical Co., Marietta, O.
Northwestern Shot & Lead Works, 90 Fairfield av W, St. Paul, Minn.
Ohio Metal Co., 1137 N 4th, Columbus, O.
Old Roman Solder Co., 202 E 46th, New York
Pacific Metal Works, 153 1st, San Francisco, Cal.
Pan-American Smelting Works, Calyer & Moultrie, Brooklyn, N. Y.
**Paragon Metal Co., 3050 S Ashland av, Chicago. Ill.**
Peerless Alloy Co., Denver, Colo.
**Pittsburgh Smelting & Refining Co., Elizabeth, & B. & O. R. R., Pittsburgh, Pa.**
**Pittsburgh White Metal Co., 3116 Penn av, Pittsburgh, Pa.**
**Raub Supply Co., Lancaster, Pa.**
Raymond Lead Works (Wire, Triangular Bar Drops, etc.), 735 S Washtenaw av, Chicago, Ill.
Republic Metalware Co., Buffalo, N. Y.
Reynolds Gardner W., Meriden, Conn.
Richards & Company (Inc.) ("Richards"), 192 Beverly, Boston, Mass.
Riverside Metal Refining Co., Connellsville, Pa.
**Rochester Lead Works, Rochester, N. Y.**
**Rogers Metal Works, Kansas City, Mo.**
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Selby Smelting Works (Wiping, Wire, Bar Strip, Drop, etc.), 201 1st, San Francisco, Cal.
**SMITH & McCRORKEN, INC., 411 E 18th New York**
**Staplin & Smith, 359 W Austin, Chicago, Ill.**
**Star Refining Co., 116 W First, Boston, Mass.**
Syracuse Smelting Works ("Stanley Process"), 192 Diamond, Brooklyn, N. Y.
Tatham & Bros., 261 Water, New York
Union Smelting & Refining Co. (Wire, Segment, Bar & Drop, Capping, Triangular, etc.), Newark, N. J.
United American Metals Corp., Syracuse Smelting Works, subsidiary ("Stanley Process"), 192 Diamond, Brooklyn, N. Y.
**United Lead Co. (Bar Drop, Wire, Triangular, Pulverized Ribbons, Segment, Shot, Tape), 111 B'way, New York**
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
**United States Reduction Co. (Bar, Wire & Triangular), E Chicago, Ind.**
**United States Smelting Works, 1615 Spring Garden, Philadelphia, Pa.**
**United Wire & Supply Co. (Gold & Silver), Elmwood Station, Providence, R. I.**
Van Dyke Smelting & Refining Works, Inc., 94 Van Dyke, Bklyn, N. Y.
Wensley Metal Products Co., Denver, Colo.
**Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (All Kinds), Wheeling, W. Va.**
**Windsor Mfg. Co., 570 Clinton, Milwaukee, Wis.**
**Woodfall Bros., 1105 Fairmount av, Phila., Pa.**

## 13870— Solder (Rosin Core)

**Belden Mfg. Co. ("Belden" for Switchboard & Telephone Connections), 2316 S Western av, Chicago, Ill.**

## 13871—Solder (Self-Fluxing)

Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Chicago Solder Co. ("Kester" Acid & Rosin-Core"), 218 N Union av, Chicago, Ill.
Emenar Co., 55 Liberty, New York
**Hess & Son ("Tinol"), Watkins bldg, Phila., Pa.**
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
National Lead Co., 111 B'way, New York, & 10th & Howard, Detroit, Mich.
Solderall Co., 127 Sussex av, Newark, N. J.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.** ("Weldwell"), East Pittsburgh, Pa. *See adv index at end of book*

## 13871a—*Solder (Silver Brazing)

**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*

## 13872— Soldering Apparatus for Rail Bonding

**Smith of N. Y. Co., 1 Franklin sq, New York**

## 13873— Soldering Coppers

Ayars Machine Co. (For Canning Factories, etc), Salem, N. J.
Beall Bros., Alton, Ill.
Clendenin Bros., cor Central av & Fawn, Baltimore, Md.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Electric Materials Co., North East, Pa.
Emmelman Bros. Mfg. Co. (Gas), Indianapolis, Ind.
Eureka Co., North East, Pa.
**Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York**
Hussey C. G. & Co., 2850 2nd av, Pittsburgh, Pa.
**Isele A. W. Son, 51 Pitt, Boston, Mass.**
**Kaufman A. G. Mfg. Co. (Self-Heating), 210 5th av, New York**
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
Peck, Stow & Wilcox Co., Southington, Conn.
**Taunton-New Bedford Copper Co., Taunton, Mass.**

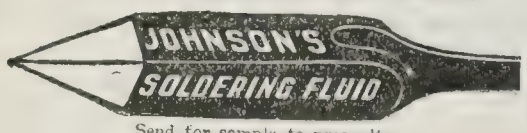
## 13874—Soldering Flux, Paste, Salts & Stick

Allen L. B. Co. ("Allen," "Presto-Soder"),
Am. Elec'l Equipment Co., Kansas City, Mo.
Atlantic Importing Co., Providence, R. I.
Baltimore Chemical Co. ("Perfection" Concentrated Liquid Flux), 1901 Park av, Baltimore, Md.
Belden Mfg. Co. (Stick Paste & Salt), 2316 S Western av, Chicago, Ill.
Benson A. R. Co. (Yager's Salts), Hudson, N. Y.
Blake Signal & Mfg. Co. (Flux & Paste), 251 Causeway, Boston, Mass.
Blue Seal Chemical Co., 424 Broome, New York
Brunner Chemical Works ("Queen" Flux), 217 E 3d, Cincinnati, Ohio
Burnley Battery & Mfg. Co. ("Diamond," Stick & Paste), North East, Pa.
Callahan Geo. & Co. (Flux), 218 Front, New York

SOLDERING FLUX, PASTE, SALTS & STICK—continued

Central Stamping Co. ("Solderine" Salts), 174 Fulton, New York
Chase-Shawmut Co. ("Red E"), Newburyport, Mass.
**Chemical Products Co., 30 Charles River rd, Boston, Mass.**
Chicago Solder Co. ("Kester"), 218 N Union av, Chicago, Ill.
**CORLISS MFG. & SUPPLY CO. ("C. C. C.," Paste & Salts), 1906 Olive, St. Louis, Mo.**
Dielectric Mfg. Co. (Stick, Paste & Salts), 224 S Vandeventer av, St. Louis, Mo.
Dow Chemical Co. (Flux), Midland, Mich.
Dunton M. W. Co. ("Nokorode" Paste & Salts), 150 Niagara, Providence, R. I.
Emenar Co., 55 Liberty, New York
Frazer Lubricator Co. ("Frazeried" Paste), 3921 Normal av, Chicago, Ill.
**Garden City Laboratory ("Anchor" Brand** Non-Acid Flux), 2455 Archer av, Chicago, Illl.
**Grasselli Chemical Co. ("Eureka" Flux,** "Standard" Flux, "Snowflake" Soldering Salts), **Guardian bldg, Cleveland,** O.
Hartwig Wm. J. Co. ("New Idea"), **205 E Jefferson, Detroit, Mich.**
Hartwig Wm. J. Co. ("New Idea"), Detroit, Mich.
Hess & Son, Watkins bldg, Phila, Pa.
Highland Electro Chemical Mfg. Co. (Insulating Soldering Paste), Connellsville, Pa.
Johnson Mfg. Co., 729 W Washington, blvd, Chicago, Ill.
*See adv index at end of book*

"IT CAN BE DONE" with




Send for sample to prove it.
**JOHNSON MFG. CO.** (not Inc.)
729 West Washington Blvd. Chicago, Ill.

Keystone Specialty Co., Scranton, Pa.
Leveridge C. W. ("Yankee Salts"), 133 Liberty, New York
McGill Mfg. Co. ("Star" **Stick & Paste,** "Crescent" Flux, Fluid, Salts, Sticks & Paste), 77 Oak, Valparaiso, Ind.
*See adv index at end of book*
Manhattan Electrical Supply Co. ("Excelsior"), 17 Park pl, New York
*See adv index at end of book*
Merrimac Chemical Co. (Solutions), 148 State, Boston, Mass.
National Lead Co. ("Excelsior" Flux), 111 B'way, New York
Northwestern Chemical Co. (Norwesco), Marietta, Ohio
Poole, James W., **16 Columbia, Boston, Mass.**
Reade Mfg. Co. ("Incomparable," **Fluid** & Tinning Solution," "Readina" Solution, "Readeana" Paste), **Hoboken,** N. J.
Rotax & Co. (Paste Salts), 38 E 133d, New York
Ruby Chemical Co. ("Ruby," Fluid), Columbus, O.
**Sandoval Zinc Co. (Flux, Salts, etc.), 410 N Peoria, Chicago, Ill.**
*See adv index at end of book*
Schneider Emil (Salts), 298 South, Newark, N. J.
Seldner & Enequist (Soldering Fluid & **Tinning Flux), 86 Housman, Brooklyn,** N. Y.
**Sieffert Elec. Co., Evansville, Ind.**
Solderall Co. ("Peerless" Paste), 126 Sussex av, Newark, N. J.
Swan & Finch Co. ("Fluxite"), 165 Broadway, New York
**United Smelting & Aluminum Co., Inc.,** 183-189 Commerce, New Haven, Conn.
Universal Fluxine Co. ("Universal," Fluid), Urbana, O.
Walsh J. E. Co., **Pittsfield, Mass.**
**Weaver Specialty Co. ("Oakwood" Paste, Salts & Liquid), 6344 Aurelia, Pittsburgh, Pa.**
**WESTINGHOUSE ELECTRIC & MFG. CO.** ("Weldwell"), East Pittsburgh, Pa.
*See adv index at end of book*

## 13875—Soldering Frames & Cylinders

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*
Leffler Chas. & Co. **(For Can Makers), 59** Clymer, Brooklyn, N. Y.
*See adv index at end of book*

## 13876— Soldering Iron & Blow Torch Combined (Benzine)

Globe Gas Light Co. ("Picolo"), 25 Union, Boston, Mass.
Hess & Son, **808 Wathey, Phila., Pa.**

## 13877— Soldering Iron & Blow Torch Combined (Gasoline)

**BEACH-RUSS CO.** (Gas Blast), **216-224** B'way, New York
*See adv index at end of book*
Bernz Otto, 17-37 Ashland, W. Newark, N. J.
Dobbins Mfg. Co. ("Tinners' Friend"), 127 S 1st, Minneapolis, Minn.
Emmelman Bros. Mfg. Co. ("Emmelman"), Indianapolis, Ind.
Globe Gas Light Co. ("Neuachat"), 25 Union, Boston, Mass.
Hess & Son, **808 Wathey, Phila., Pa.**

## 13878—Soldering Irons (Alcohol)

Chicago Nut Co. (For Telephone Repair **Men, etc.), 2513 W 20th, Chicago, Ill.**
Glogau & Co., 466 Dickey bldg, Chicago, Ill.

## 13879—Soldering Irons (Electric)

American Electrical Heater Co., Burroughs & Woodward, Detroit, Mich.
Chambers Bering Quinlan Co., Decatur, Ill.
Clemens Elec'l Corp., 725 Main, Buffalo, N. Y.
Cook Frank B. Co., **326 W Madison, Chicago, Ill.**
Cutler-Hammer Mfg. Co., 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Dover Mfg. Co., Dover, Ohio
**Edison Electric Appliance Co., Inc., 566** W Taylor, Chicago, Ill.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Hoskins Mfg. Co., **453 Lawton, Detroit,** Mich.
Langguth-Olson Co., **120 Liberty, New** York
Manhattan Electrical Supply Co., 17 Park pl, New York *See adv index at end of book*
Multi Electrical Mfg. Co. ("Multi"), 703 Fulton, Chicago, Ill.
**Ohio Electric & Controller Co., 5900 Mau**rice av, Cleveland, O.
**Simplex Electric Heating Co. ("Simplex"), Cambridge, Mass.**
**Vulcan Electric Heating Co. ("Vulcan"), 107 W 13th, New York**
Waage Electric Co., 12 S Jefferson, Chicago, Ill.

## 13880—Soldering Irons (Self Heating)

**AMS MAX MACHINE CO.** (For Canners, etc.), 101 Park av, New York
**BEACH-RUSS CO., 216-224 B'way, New** York *See adv index at end of book*
Decker Mfg. Co., 251 Elm, Newark, N. J.

## 13881— Soldering Sets

Arcade Mfg. Co., Freeport, Ill.
Barrett W. L. ("Handy," "Leader"), Bristol, Conn.
Dunton M. W. Co. ("Nokorode Solderkit"), 150 Niagara, Providence, R. I.
**Millers Falls Co. ("Gem"), 28 Warren,** New York
**Peck, Snow & Wilcox Co., Southington,** Conn.
Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.
Williams Chas. & Co., Bigelow, N. Y.
Winn Wm. R. (Non-Corrosive), 488 Cherry, New York

## 13881a— Sole Leather

**ALEXANDER BROS.,** 3rd & Callowhill, Phila., Pa.
Armstrong Tanning Co., Hart & Charlevoix, Detroit, Mich.
Salger Cut Sole Co., 235 Congress, Boston, Mass.

## 13882— Solenoids

Acme Wire Co., New Haven, Conn.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**DOYLE-DACOSTA MFG. CO., Easton,** Pa.
Eby H. H. Mfg. Co., S W Cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*

## 13883— Soles (Rubber)

Archer Strauss Rubber Co., Framingham, Mass.
Atlantic Mfg. Co. ("Rubbestos"), Wilmington, Del.
Essex Rubber Co., Trenton, N. J.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
Pennsylvania Rubber Co., **Jeannette, Pa.**
Petley Rubber Mfg. Co., 247 Oregon, Milwaukee, Wis.
Rubber Products Co., Barberton, Ohio

## 13884—Solutions (Ferric Chloride)

Dow Chemical Co. (U. S. P. & Neutral), Midland, Mich.

## 13884a—Solutions (Soluble Cotton)

Hercules Powder Co., Wilmington, Del.
*See adv index at end of book*

## 13884b—Solvent Recovery Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**FURMAN FISHER CORP.,** 32 Church, New York *See adv index at end of book*
**LUMMUS, WALTER E. CO.,** 171 Milk, Boston, Mass.

## 13885— Solvent Thinners

Alcohol Products Co., Blanchard, Newark, N. J.

## 13885a—Solvents (Acetone & Ketones)

American Wood Preserving Co., 1351 N Branch, Chicago, Ill.

## Soot Blowers & Suckers (Boiler Flue or Tube)

See Cleaners, Boiler Flue or Tube; Soot Blowers & Suckers

## 13886—Sorters (Bean & Pea)

**Bacon Mfg. Co. (Bean), Pontiac, Mich.**
Ferrell A. T. & Co. ("Clipper"), Saginaw, Mich.
Johnson & Field Mfg. Co. ("Racine"), Racine, Wis.

## 13887— Sorters (Potato)

American Bell & Foundry Co. **(Fruit &** Potato Sorter), Northville, **Mich.**
Aspinwall Mfg. Co., Jackson, **Mich.**
Champion Potato Machine Co., Hammond, Ind.
Dowden Mfg. Co. (Ltd.), Prairie City, Ia.
Hench & Drumgold Co. (Peach & Potato Sorter), York, Pa.
Hoover Mfg. Co., Avery, O.
Pease F. B. Co. (Sorter & Graders), Roch-

## 13887a—Sound Proofing Materials

See also Felts Deadening

Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
Northern Insulating Co. ("Flaxlinum," "Flaxlinum Keyboards" for Walls), St. Paul, Minn.

## 13888—Sounding Lines (Deep Sea)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*

## 13889—Sowers (Hand Seed)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.

Ames Plow Co., Quincy, Hall, Boston, Mass.
Cyclone Seeder Co., Urbana, Ind.
**Everett J. A. (Broadcast), Indianapolis, Ind.**
Goodell Co. ("Cahoon"), Antrim, N. H.
Humphrey & Sons (Broadcast), Joliet, Ill.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
**Seeder Mfg. Co., Homer, Mich.**

## 13890— Sowers (Plaster)

Foster & Williams Mfg. Co., Racine, Wis.
Ontario Drill Co., East Rochester, N. Y.

## 13891—Sowers & Drills (Hand Seed Garden)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
Ames Plow Co., Quincy Hall, Boston, Mass.
Bacon Mfg. Co. (Seed Drills), Pontiac, Mich.
Bateman Mfg. Co., Grenloch, N. J.
Everett J. A., Indianapolis, Ind.

## 13892—Sowers & Drills (Lime & Fertilizer)

**Thomas Mfg. Co. ("Thomas"), Springfield, O.**

## Sowers & Seeders

**See Seeders & Sowers**

## 13893— Spacers

Detroit Stamping Co., 957 W Fort, Detroit, Mich.
Steel & Iron Products Co. (Rod & Bar "Steel Ribbon"), 1911 Emerson av, Chicago, Ill.

## 13893a—Spacers (Button & Button-Hole)

Firsching John A., Utica, N. Y.

## 13893b— Spacers (Tie)

Madden Co., Railway Exch. bldg, Chicago, Ill.
Reading Specialties Co., Reading, Pa.
Spencer Otis Co., 80 E. Jackson blvd, Chicago, Ill.

## Spade Mfrs.

See Shovel, Spade & Scoop Manufacturers

## 13894— Spades (Barking)

Romer Axe Co. ("Romer," Cedar Barking), Dunkirk, N. Y.

## 13895— Spades (Concrete)

Conneaut Shovel Co. ("Bannister's"), Conneaut, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## Spades (Drain & Ditching)

**See Shovels & Spades, Drain & Tiling**

## 13896— Spades (Garden)

**See also Shovel, Spade & Scoop Manufacturers**
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
**Indiana Shovel Co. ("Maryland"), New Castle, Ind.**
**Jackson Shovel & Tool Co., Montpelier, Ind.**
Ohio Shovel & Stamping Co., Dover, O.
**Western Steel & Iron Works, De Pere, Wis.**

## Spades (Tiling)

**See Shovels & Spades, Drain & Tiling**

## 13897— Spades (Wooden)

Bogert & Hopper, Inc. (Butter), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons (Butter, etc.), 364 5th av, New York
*See adv index at end of book*

## 13898— Spads (Miners')

Howells Mining Drill Co., Plymouth, Pa.
Muirhead John & Son, Pittston, Pa.
Smith-Courtney Co. ("Coltay"), Richmond, Va.

## Span Wire Forks

**See Forks, Rising**

## 13899— Spanners (Plug)

Williams J. H. & Co. ("Falcon" Drop-Forged Waste), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## Spars

**See Masts & Spars**

## 13900— Speaking Tubes

**Cowles C. & Co. (Automobile & Electric Megaphone), New Haven, Conn.**
Dieckmann F. Co., 482 Harrison av, Cincinnati,, Ohio
**Ivins Elwood Tube Works ("Seamless"), Oak Lane Station, Philadelphia, Pa.**
**Keil Frances & Son ("Reliance"), 401 E 163d, New York**
**Lamb & Ritchie Co. (Tin, etc), Cambridge, Mass.**
**McWade Wm. J. (Combination Tube Phone & Mail Box), 3140 S Canal, Chicago, Ill.**
**Manhattan Electrical Supply Co. (and Supplies), 17 Park pl, New York**
*See adv index at end of book*
**Ostrander W. R. & Co., 371 B'way, New York**
**Poole Jas. W., 16 Columbia, Boston, Mass.**
Titeflex Metal Hose Corp. (Voice Tubing), Badger av & Runyon, Newark, N. J.
**Van Wagoner-Linn Construction Co., 1133 B'way, New York**
**Vulcan Mfg. Co. ("McWade" Combination Phone & Mail Box), 3140 S Canal, Chicago, Ill.**
**Walsh, Owen Mfg. Co., 525 W 26th, New York**
**Wilhelm Henry, 70 Frost, Brooklyn, N. Y.**

## 13901— Spears (Casing)

Luther Mfg. Co., Olean, N. Y.

## 13902— Spears (Fish)

**Arcade Mfg. Co., Freeport, Ill.**
**Bonafide Mfg. Co. ("Original," "St. Clair," also Frog), Plymouth, Mich.**
**Collins Co., Collinsville, Conn.**

## 13902a— Spears (Flag)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons (Wood), 364 5th av, New York**
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 13903—Spears (Oil Well Casing)

Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
**Masseth Packer & Machine Co. (Trip & Bull Dog), Butler, Pa.**

## 13903a— Special Brass Parts

Acme Novelty Co., 430 N Oakley av, Chicago, Ill.
**BELL CO. (THE), 1555 Fillmore av, Buffalo, N. Y.** *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 13904—Special Mill Work (Interior & Exterior Finish)

Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Darr J. M. & Sons Planing Mill Co., 131 **Kentucky av, St. Louis, Mo.**

## 13904a—Specialties (Advertising)

**Estes E. B. & Sons (Wood), 364 5th av, New York** *See adv index at end of book*

## Specialties (Educational)

**See Blocks A. B. C.**

## 13904b—Specialties (Electrical, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Carrom Co., Ludington, Mich.
**Estes E. B. & Sons, 364 5th av, N. Y.**
*See adv index at end of book*
National Clock & Mfg. Co., 20 W Lake, Chicago, Ill.

## 13905-6—*Specialties (Manicure, School & Toy)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons (Wood), 364 5th av, N. Y.** *See adv index at end of book*

## 13907— Spectrometers

Bausch & Lomb Optical Co., Rochester, N. Y.
Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.

## 13908— Spectroscopes & Polariscopes

Braun-Knecht & Heimann Co. (& Accessories), 576-584 Mission, Los Angeles, Cal.
**Elmer & Amend ("Hilger," "B. & L."), 205 3d av, New York**
Gaertner Wm. & Co., 5345 Lake Park av, Chicago, Ill.
**Heil Henry Chemical Co., St. Louis, Mo.**
Sargent E. H. & Co. ("Bates"), 155 N Superior, Chicago, Ill.

## 13909— Speedometers

**American Speed Indicator Co. ("Kenney" Marine), New London, Conn.**
**Corbin Screw Corp. ("Corbin-Brown"), New Britain, Conn.**
**Du Vivier Ernest H. (Imp.), 30 Church, New York**
**Electric Tachometer Co. (Electric), 435 N Broad, Phila., Pa.**
**Hamilton Corp. ("Multometer"), Lancaster, Pa.**
Johns-Manville H. W. Co. ("Johns-Manville"), Madison av & 41st, New York
**Jones Speedometer Co., 590 Jackson av, Brooklyn, N. Y.**
Lawrence Geo. E. ("Kenney" Marine), Bullitt bldg, Philadelphia, Pa.
**Motors Appliance Co. (Benson Signal), East Moline, Ill.**
**Nelson Instrument Co. ("Reliance"), Elkins, Boston, Mass.**
**Standard Thermometer Co. ("Standard"), 65 Shirley, Boston, Mass.**
Stewart-Warner Speedometer Corp. ("Warner," "Stewart"), 1826 Diversey Parkway, Chicago, Ill.
**Troy Carriage Sun Shade Co., Troy, O.**
**Van Sicklen Co., Elgin, Ill.**

## Speed Reduction Transmission

**See Variable Speed Transmission**

## 13910— Spelter

**See also Smelters of Spelter; also Smelters & Refiners)**
American Metal Co., 61 B'way, New York
**American Smelting & Refining Co., 120 B'way, New York**
**American Spelter Corp., 61 B'way, New York**
American Zinc, Lead & Smelting Co. ("Mascot," "American," "Granby"), 120 B'way, New York
Arkansas Zinc & Smelting Corp., Van Buren, Ark.
**Bartlesville Zinc Co., 120 B'way, New York**
**Beer, Sondheimer & Co., Inc. (Selling Agents), 61 B'way, New York**
**Blatchford E. W. Co. 230 N Clinton, Chicago Ill.**
Chicago Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
Coates, Bennett & Reidenbach, Rochester, N. Y.
Deleware Metal Refinery, Washington & 18th, Philadelphia, Pa.
Eagle Picher Lead Co. (The), 208 S La Salle, Chicago, Ill.
Eagle Smelting & Refining Works, 233 B'way, New York
Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
Eastern Zinc Refining Co., 255 Russell, Brooklyn, N. Y.
**Edgar Zinc Co., Boatman's Bank bldg, St. Louis, Mo.**

SPELTER—continued

**Fort Smith Spelter Co., Greencastle, Ind.**
Granby Mining & Smelting Co., St. Louis, Mo.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Great Western Smelting & Refining Co., 41st & Wallace, Chicago, Ill.
Hayman Michael & Co., Buffalo, N. Y.
**Hegeler Zinc Co., Danville Ill.**
**Henning V. & Son 330 Belmont av, Brooklyn, N. Y.**
Henryetta Spelter Co., Henryetta, Okla.
**Hiertz Theo. Metal Co., Alaska & Tesson, St. Louis, Mo.**
Humphreys E. C. Co. (Prime Western), 624 Penobscot, Detroit, Mich.
**Illinois Smelting & Refining Co., 410 N Peoria, Chicago, Ill.**
Illinois Zinc Co., Peru, Ill.
Jacobson I. M. & Sons Co., 70 Catharine, Detroit, Mich.
Kahn Bros. ("Star" Brand), 785 Humboldt, Brooklyn, N. Y.
**Kessler, Joseph G. & Co., 65 Ingraham, Brooklyn, N. Y.**
**KRAMER H. & CO.,** 1324 W 21st pl, Chicago, Ill.
**Leavitt, C. W. & Co., 34 Church, New York**
*See adv index at end of book*
Lissberger, Marks & Son, 231 Borden av, L. I. City, N. Y.
**London & Sack. 259 Front. New York**
**McInnes, Charles E. & Co., Mariners & Merchants bldg, Phila., Pa.**
**McLaughlin's Sons Co., 230 N 12th, Brooklyn, N. Y.**
**Matthiessen & Hegeler Zinc Co., La Salle,** Ill.
Merchant & Evans Co., Washington av, & 21st, Phila., Pa.
*See adv index at end of book*

**MICHIGAN SMELTING & REFINING CO.**
1695 Jos. Campau, Detroit, Mich.

Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
**Mineral Point Zinc Co., 140 S Dearborn, Chicago, Ill. Works: Mineral Point, Wis.**
**Murphy Metals Co., 827 S La Salle, Chicago, Ill.**
Nassau Smelting & Refining Works, 603 W 29th, New York
National Copper Refining Co., 7003 Quincy, Cleveland, Ohio
National Zinc Co., 61 B'way, New York.
New Jersey Zinc Co. ("Horsehead," "Bertha," "Franklin," "Prime Western," Nassau Slab Zinc), 160 Front, New York
O'Conner J. J. Co. (Dealers), 1st Nat'l Bank bldg, Pittsburgh, Pa.
Ohio Metal Co., 1137 N 4th, Columbus, O.
Raymond Lead Works, 735 S Washtenaw av, Chicago, Ill.
**Sandoval Zinc Co., 410 N Peoria, Chicago,** Ill. *See adv index at end of book*

**SANDOVAL ZINC CO.**
**410 N. Peoria St., Chicago**
**Lead, Solder, Babbitt, Spelter, Zinc Chloride, Zinc Sulphate**

Trench C. S. & Co., 81 Fulton, New York
**Union Smelting & Refining Co., St. Charles,** Newark, N. J.
**United States Reduction Co., Chicago, Ind.**
**United Zinc Smelting Corp., 99 John,** New York
**Vernon Metal & Produce Co., 25 Beaver,** New York
**Vogelstein L. & Co. (Imp), 42 B'way, New** York
**Vulcan Louisville Smelting Co. ("Vulcan"), 208 S La Salle, Chicago, Ill.**
Wolff L. A. Metal Works, 1257 Harrison av, Cincinnati, Ohio
**Woodfall Bros., 1105 Fairmount av, Phila.,** Pa.

### 13910a— *Spelter Pigs

Metal Products Co., Inc., 100 S. Jefferson, Chicago, Ill. *See adv index at end of book*

### 13911-2-3— Spermacetti

National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
Robinson W. A. & Co., New Bedford, Mass.
Smith & Nichols (Jobbers), 121 Maiden la, New York

### Sperm Oils

**See Oils, Sperm & Whale**

### 13914— Spiders

Bowman Geo. H. Co. ("Swissalu" Aluminum), 224 Euclid av, Cleveland, O.
Lucey Manufacturing Corp. (Liners & Slip), 233 B'way, New York
*For branch offices see Alphabetical Section*
Wagner Mfg. Co. ("Wagner Ware," Cast Aluminum), Sidney, O.

### 13915— Spiegel Silicon

**Lavino E. J. & Co., Bullitt bldg, Philadelphia, Pa.**
Tennant C. Sons & Co. of N. Y. (Imp.), 100 William, New York

### 13916— Spiegeleisen

Bond, Vivian & Co. (Imp.), 68 Beaver, New York
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Crocker Bros. (German), 21 E. 40th, New York
Lavino E. J. & Co., Bullitt bldg, Philadelphia, Pa.
**LEAVITT C. W. & CO.** (English), 34 Church, New York
*See adv index at end of book*
Marshall, F. W. & Co., Pennsylvania bldg, Phila., Pa..
National Sales & Trading Co., Cleveland, O.
New Jersey Zinc Co. (From Zinc Oxide Residues), 160 Front, New York
Rogers. Brown & Co., 77 Carew bldg, Cincinnati, O.
**SAMUEL FRANK,** Harrison bldg, Phila., Pa. *See adv index at end of book*
Seaboard Steel & Manganese Corp., 50 E. 42nd, New York
Tennant C. Sons & Co. of N. Y. (Imp.), 100 William, New York

### 13916a— Spigots

See also Pegs, Wood

Estes, E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*

### 13916b— Spike Mfrs.

**COLONIAL SUPPLY CO.** (Also Nails), 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Foster Mfg. & Supply Co. (all kinds), 20th** & Venango, Phila., Pa.
Larkin J. K. & Co. (All Kinds), 34 Reade, New York *See adv index at end of book*
**ROE & CONOVER,** 206 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*

### 13916c— Spikes (Boat)

See also Spikes, Ship, Dock & Bridge

Ames, W. & Co., Communipaw av, Jersey City, N. J.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**LARKIN J. K. & CO.,** 34 Reade, New York
*See adv index at end of book*
St. Louis Screw Co. (Black & Galvanized), Clarence & Bulwer avs, St. Louis, Mo.

### 13917—Spikes (Boat, Composition)

Taunton-New Bedford Copper Co., Taunton, Mass

### Spikes (Bridge)

See Spikes, Ship, Dock & Bridge

### 13918— Spikes (Copper)

Hussey C. G. & Co., 2850 2nd av, Pittsburgh, Pa.

### 13918a— Spikes (Crossing)

**Ames W. & Co., Communipaw av, Jersey City, N. J.**
*See adv index at end of book*

### 13919— Spikes (Cut)

Bethlehem Steel Co., So. Bethlehem, Pa.
Brooke E. & G. Iron Co., Birdsboro, Pa.
Igoe Bros., Canal & Lafayette, New York
Illinois Nail Co., 826 Dix, Chicago, Ill.
La Belle Iron Works, Steubenville, O.
Larkin, J. K. & Co. (For Various Purposes), 34 Reade, New York
*See adv index at end of book*
Malleable Iron Fittings Co. (Zinc Coated Iron), ("M. I. F. Co."), Branford, Conn.
Norton Iron Works, Ashland, Ky.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
**Tredeger Co., ft. of 5th, Richmond, Va.**
Tremont Nail Co., West Wareham, Mass.
Van Alen & Co., Northumberland, Pa.

### 13919a— Spikes (Dock)

See also Spikes, Ship, Dock & Bridge

**Ames, W. & Co., Communipaw av, Jersey City, N. J.**
*See adv index at end of book*
**LARKIN J. K. & Co.** (& Wharf), 34 Reade, New York *See adv index at end of book*

### 13919b—Spikes (Galvanized)

Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

### 13919c— Spikes (Guard)

**Ames, W. & Co., Communipaw av, Jersey City, N. J.**
*See adv index at end of book*

### 13920—Spikes (Hand Made)

Davis Bros., 29th & Bristol, Phila., Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Ulmer Theo. C., Richmond & E Col., Philadelphia, Pa.

### 13921— Spikes (Marline)

Billings Union Trowel Works (D. W. Gray Co.), Irvington, N. J.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Wilcox, Crittenden & Co., Inc., Middletown, Conn.** *See adv index at end of book*

### 13922—Spikes (Railroad Track)

Am. Spike Co., Inc., 55 Liberty, New York
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Ames W. & Co., Communipaw av, Jersey City, N. J.
*See adv index at end of book*
Atlantic Steel Co., Atlanta, Ga.
Bethlehem Steel Co., So. Bethlehem, Pa.
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Colorado Fuel & Iron Co., Denver, Colo.
Davis Bros., N 29th & Bristol, Phila., Pa.
Dilworth, Porter & Co., Ltd. ("Goldie"), 4th & Bingham, Pittsburgh, Pa.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**FISHEL & MARKS CO.,** ft of Krakow av, Cleveland, O.
*See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Illinois Steel Co. (Chisel Pointed and Screw Spikes), 208 S La Salle, Chicago, Ill.
Inland Steel Co. (Open Hearth Steel), First Nat'l bldg, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.

Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kokomo Steel & Wire Co., Kokomo, Ind.
**LARKIN J. K. & CO.**, 34 Reade, New York
*See adv index at end of book*
Lebanon Valley Iron & Steel Co. (Iron & Steel), Lebanon, Pa.
Levis, Henry & Co., Commercial Trust bldg, Phila., Pa.
*See adv index at end of book*
Oliver Iron & Steel Co. (Screw), S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Gage & Supply Co. (Jobbers), 30th & Liberty av, Pittsburgh, Pa.
Pottsville Bolt Co., Pittsburgh, Pa.
**REPUBLIC IRON & STEEL CO.**, Youngstown, O.
*See Branch Offices Alphabetical Section*
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Sylvester Co., 141 Milk, Boston, Mass.
Tredegar Co., ft. of 5th, Richmond, Va.

## 13923— Spikes (Rubber)

U. S. Rubber Co., 1790 Broadway, New York

## 13924— Spikes (Screw)

Bethlehem Steel Co., So. Bethlehem, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Illinois Steel Co. (Track), 208 S La Salle, Chicago, Ill
Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.

## 13924a— *Spikes (Shimming)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Ames W. & Co., Communipaw av, Jersey City, N. J. *See adv index at end of book*

## 13925— Spikes (Ship, Dock & Bridge)

**AMERICAN STEEL & WIRE CO.** (Square Boat), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Ames W. & Co., Communipaw av, Jersey City, N. J.
*See adv index at end of book*


# SPIKES

**Track, Boat and Dock, Black and Galvanized**

## W. AMES & CO.

**Estab. 1859**

**Factory and Office, JERSEY CITY, N. J.**


Bayonne Bolt & Nut Co., Bayonne, N. J.
*See adv index at end of book*
Bethlehem Steel Co., So. Bethlehem, Pa.
Cambria Steel Co. (6 to 26 inches), Widener bldg, Philadelphia, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Davis Bros., 29th & Bristol, Phila., Pa.
Dilworth, Porter & Co., Ltd. (Steel), 4th & Bingham, Pittsburgh, Pa.
**Empire Galvanizing Co. (Galvanized), 2507 E Cumberland, Philadelphia, Pa.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Harry L. C. Co., 114 Liberty, New York
Hoopes & Townsend Co., Broad & Buttonwood, Philadelphia, Pa.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Judson Mfg. Co., 819 Folsom, San Francisco, Cal.
Kansas City Bolt & Nut Co., Kansas City, Mo.
La Belle Iron Works, Steubenville, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Norton Iron Works, Ashland, Ky.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*
St. Louis Screw Co., Clarence & Bulwer av, St. Louis, Mo.
Schaper Construction Material Co., 90 West, New York
Scott, Sugden & Lamont (Hot Gal. & Black), Monadnock bldg, San Francisco, Cal.
Scranton Bolt & Nut Co., Scranton, Pa.
Severence S. Mfg. Co., 3d, Pittsburgh, Pa.
Sylvester Co., 141 Milk, Boston, Mass.
Tredegar Co., ft. of 5th, Richmond, Va.
Tremont Nail Co., West Wareham, Mass.

## Spikes (Track)

See Spikes, Railroad Track

## Spikes (Wharf)

See Spikes, Ship, Dock & Bridge

## 13926— Spikes (Wire)

**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**Cambria Steel Co., Widener bldg, Philadelphia, Pa.**
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Efficiency Electrric Co., E Palestine, Ohio
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gulf States Steel Co., Birmingham, Ala.
Kelly Nail & Iron Co., Ironton, O.
Kokomo Steel & Wire Co., Kokomo, Ind.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Wickwire Spencer Steel Corp., Buffalo, N. Y. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 13927— *Spikes (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 13927a— Spindles (Carriage)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co. (Also Wagon Seat), South Bend, Ind.
*See adv index at end of book*

## 13928— Spindles (Clamp)

**GEM MFG. CO.** ("Gem," for Holding Burfing & Polishing Wheels, etc), Goebel nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*
**Stow Mfg. Co., Binghamton, N. Y.**
*See adv index at end of book*

## 13929—Spindles (Drill & Lathe)

**Bay City Forge Co., 1820 Cranberry, Erie, Pa.**
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
Leard Wm. Co., New Brighton, Pa.
*See adv index at end of book*
National Forge & Tool Co., Erie, Pa.
National Forge & Tool Co., Irvine, Pa.
The Hammond Steel Co., Inc., Solvay, N. Y.
Titusville Forge Co., Titusville, Pa.

## 13929a—Spindles (Furniture)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 13930—Spindles (Machine Tool)

**Bay City Forge Co., 1820 Cranberry, Erie, Pa.**
Hammond Steel Co., Solvay, N. Y.
Horsburgh Forge Co., 17310 St. Clair, Cleveland, O.
Leard Wm. Co., New Brighton, Pa.
*See adv index at end of book*
Machinery Forging Co., Hamilton av & Marquette, Cleveland, O.
Ohio Forge Co. (Forged), Cleveland, O.
Pennsylvania Forge Co., Jenks & Bath, **Philadelphia, Pa.**
**Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.**

## 13930a—Spindles (Screen Door)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 13931— Spindles (Wood)

Bogert & Hooper, Inc. (Carriage Furniture & Turned & Twisted Wood, etc.), 57 Barclay, New York
*See adv index at end of book*
Dann Bros. & Co., New Haven, Conn.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*


Established 1847 **E. B. Estes & Sons**

Manufacturers of

# WOODEN SPINDLES

For Furniture, Screen Doors, Toy Work, Carriages, Knobs Bet-wells, Dowel Rods, Automatic Lathe Work a Specialty.

**364-5th Ave.** **New York City**


Frary Mfg Co., Charlemont, Mass.
**Rowe Henry Mfg. Co., Newaygo, Mich.**
Stevenson Mfg. Co. (Turned & Twisted, for Furniture, Carriages, etc.), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 13932— Spinning (Metal)

**ACTIVE SPINNING & SHEET METAL WKS.**, 56 W Kinzie, Chicago, Ill.
*See adv index at end of book*


## Active Spinning & Sheet Metal Works

**Not Inc.**

SHEET METAL SPECIALTIES

**Spinning - Tinsmithing - Brazing Polishing**

*Mfrs. of Scientific Apparatus*

56 West Kinzie Street, CHICAGO


American Metal Ware Co., 368 W Huron, Chicago, Ill.
Badger E. B. & Sons Co., 75 A Pitts, Boston, Mass. *See adv index at end of book*
**Barlow Co., Holyoke, Mass.**
Bassemir John & Son, 87 Frankfort, New York
Blickman Isidor, 479 First av, New York
**Boekel Wm. & Co., 518 Vine, Phila., Pa.**
Brass Fixtures Co., Southington, Conn.
**Century Metal Spinning & Stamping Co.**, 49 Elizabeth, New York
Consolidated Mfg. Co., Dayton, O.
**Crescent Brass Mfg. Co. (All Metals), 8410 Lake av, Cleveland, O.**
**DAHLQUIST MFG. CO.**, 40 W 3d, So. Boston, Mass. *See adv index at end of book*
**Detroit Metal Spinning Co., 197 Monroe av, Detroit, Mich.**
**Detroit Shipbuilding Co. (Brass Dept.), ft. Orleans, Detroit, Mich.**
**Eberhard Geo., 9 Calender, Providence, R. I.**
Faber S. W., 147 S 5th, Brooklyn, N. Y.
**Flint Elec. & Mfg. Co., Denver, Colo.**
**Fowler Lamp & Mfg. Co., 59 E 24th, Chicago, Ill.**
**Friedley-Voshardt Co. (Inc.) (Brass & Copper), 733 S Halsted, Chicago, Ill.**
Gerstein Bros. & Cooper, 3 W 3d, So. Boston, Mass.
Geuder, Paeschke & Frey Co. (In all Metals), 1314-1700 St. Paul av, Milwaukee, Wis.
**Giese Mfg. Co. (German Silver, Copper, Brass & Steel), 260 S 5th, Phila., Pa.**
Glaser A., 61 Frankfort, New York
**Hergert Theo. E., 422 E 53d, New York**
Howard Jas. L. & Co., Hartford, Conn.
Imperial Brass Mfg. Co., 524 Racine av, Chicago, Ill. *See adv index at end of book*

SPINNING (METAL)—continued
**Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.**
**Klause Chas., 460 N 12th, Phila., Pa.**
**La Haye Mfg. Co., 298 11th, San Francisco, Cal.**
**Magosy & Buscher, 118 Walker, New York**
Metal Crafters (The), East Stroudsburg, **Pa.**
Miller & Doing, 60 York, Brooklyn, N. Y.
**National Metal Spinning & Stamping Co., 176-180 Grand, New York**
Naugatuck Mfg. Co., Naugatuck, Conn.
**North Star Spinning & Mfg. Co., St. Paul,** Minn.
**Partenheimer Otto, 2 Howard, New York**
**Phila. Metal Stamping Co., 2218 Ranstead,** Phila., Pa.
**Pittsburgh Lamp, Brass & Glass Co., 130 7th, Pittsburgh, Pa.**
**Pritchard Stamping Co., Rochester, N. Y.**
**Providence Metal Spinning Co., 185 Eddy,** Providence, R. I.
Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.
**Riverside Metal Co., Riverside, N. J.**
Salch Bros., 239 Centre, New York
Scovil Mfg. Co. (Brass & Bronze), Waterbury, Conn. *See adv index at end of book*
**Scrannage Bros., 77 Travers, Boston, Mass.**
**Skidd Chas. Mfg. Co., Kenosha, Wis.**
**Smith of N. Y. Co., 1 Franklin sq, New York**
Standard Metal Spinning Co., 138 Mott, New York
**Union Spinning & Plating Co., 67 Sudbury, Boston, Mass.**
**Vogel Wm. & Bros., 37 S 9th, Brooklyn,** N. Y.
**WEBER BROS. METAL WORKS,** 108 N Jefferson, Chicago, Ill.
**Weimer C. A., Lorain, O.**

## 13933—Spirals for Concrete Columns

**American System of Reinforcing ("Unit"),** 10 S La Salle, Chicago, Ill.
Concrete Steel Co., 42 **Broadway, New** York
**KALMAN PAUL J. CO., INC.** (Concrete Reinforced), 22 W Monroe, Chicago, Ill.
Republic Structural Iron Works Co., 1350 E. 53d, Cleveland, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 13934— Spirits (Cologne)

American Distributing Co., 27 William, New York
American Spirits Mfg. Co., 27 William, New York
**Jefferson Distilling & Denaturing Co., Harvey, La.**
Standard Distilling & Distributing Co., 27 William, New York
United States Industrial Alcohol Co., 27 William, New York

## 13935— Spirits (Wood)

See also Alcohol, Wood

**Georgia Pine Turpentine Co. of N. Y., 158** Perry, New York & Fargo, Ga.
**Peninsular Naval Stores Co., Jacksonville,** Fla.

## 13936— Spittoons (Railway)

Indiana Hollow Ware Co. ("Inter-Urban," for Street & Ry cars, with Adjustable Fastened Cover), Jeffersonville, Ind.

## 13937—Spittoons (Steel Factory)

See also Cuspidors

Cleveland Blow Pipe & Mfg. Co. (Wash Sinks), 6950 Kinsman rd, Cleveland, O.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
**OHIO MFG. CO., P. O.** Box 136, Painesville, O. *See adv index at end of book*
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.

## 13938— Splicers (Cable)

American Mine Door Co., Canton, O.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
**Leschen A. & Sons Rope Co. (For Wire Cables), 920 N 1st, St. Louis, Mo.**

## 13939—Splicers (Register, Bell & Trolley Cord)

Wood Chas. N. Co. ("C. N. W."), 14 Federal, Boston, Mass.

## 13940— Splicers (Wire)

**American Mine Door Co., Canton, O.**
Electric Railway Equip't Co. ("Clark" & "K. I." Trolley), Cincinnati, Ohio
Ohio Brass Co. ("O. B." Trolley Wire), Mansfield, O. *See adv index at end of book*
Standard Railway Supply Co., 4229 Fergus, Cincinnati,, Ohio
**Wagner Mfg. Co. ("Little Giant"), Cedar Falls, Ia.**

## 13941—Splicers (Wire Fence)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

## 13941a—*Splints (Match & Kindergarten)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 13942— Splints (Surgeons')

**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 13942a—*Splints (Wire Gauze)

Wickwire Spencer Steel Corp. ("Excelsior"), Worcester, Mass.
*See adv index at end of book*

## 13943— Splitters (Nut)

Carolus Mfg. Co., Sterling, Ill.
Whisler John ("Whisler"), Gibson, Ia.

## 13944—Spokes (Motor Cycle & Bicycle)

Torrington Co., The Standard Plant ("Diamond E."), Torrington, Conn.

## 13944a—Spokes (Wagon & Carriage Wheel)

Allen J. W., Scottsville, Ky.
Arkins Bros., Attoway, Va.
Armstrong Wm. H., South Coventry, Conn.
Avoca Wheel Co. (Hickory), Avoca, N. Y.
Bailey C. & Co., Elimsport, Pa.
Baldwin Bros. (Wagon), Ironton, Mo.
**Baltimore Hub-Wheel & Mfg. Co., Fallsway & Gay, Baltimore, Md.**
Beveridge & Taylor, Inc. (Wagon Only), Bristol, Tenn.
Bimel-Ashcroft Mfg. Co., Dermott, Ark.
Bimel-Ashcroft Mfg. Co., Poplar Bluff, Mo.
Bimel Spoke & Auto Wheel Co., Portland, Ind.
Bookwalter Wheel Co., Miamisburg, O.
Breece Mfg. Co., Portsmouth, O.
Buckeye Handle, Gear & Bending Co., Alliance, O.
Buckley John, Hub, Spoke & Wheel Co., 969 N 2d, Phila., Pa.
Buffington Wheel Co., Burlington, Ia.
Burroughs-Ross-Colville Co., McMinnville, Tenn.
Byrn Bros., Brownsville, Tenn.
**Campbell M. R., Tullahoma, Tenn.**
Cheney Bros. (Carriage), Jamaica, Vt.
Clark-Gay Mfg. Co., Little Rock, Ark.
**Cone Jos. D., North Vernon, Ind.**
Crane & MacMahon, 10 Bridge, New York
Doles Edwin E., Greensburg, Ind.
Donges John & Co., Hamilton, O.
Dresden Spoke Co., Dresden, Tenn.
Eberly & Orris Mfg. Co., Mechanicsburg Pa.
Farmville Mfg. Co., Farmville, Va.
Fulton Conway & Co., Louisville, Ky.
Galloway-Kennedy Co., Clarendon, Ark.
Garrett Wm., Canandaigua, N. Y.
Gladding C. B., Geneva, O.
Graham Thos. & Co., Madison, Ind.
**Hart Lumber & Mfg. Co., Inc., Martinsville, Va.**
Hickson-Rogers Mfg. Co., Paragould, Ark.
**Hinkel J. K. Mfg. Co. (Hickory), Mechanicsburg, Pa.**
**Holt Bros. Mfg. Co., Concord, N. H.**
**Hoopes Bro. & Darlington (Inc.), West Chester, Pa.**
Hoyt John Co., Delaware, N. J.
Hub Mfg. Co., Jonesboro, Ark.
I. X. L. Handle Mfg. Co., Dexter, Mo.
**Keller & Tamm Mfg. Co., Victor & Levee, St. Louis, Mo.**
Kelsey Horatio, Clinton, Conn.
Kerr L. S. D., Frenchtown, N. J.
**Kingston Spoke Mfg. Co., Kingston, Ark.**
**Koller J. B. & Co., Mechanicsburg, Pa.**
**Lack Singletree Co. ("Noxall," "National"), Paducah, Ky.**
Lamb-Fish Lumber Co., Charleston, Miss.
Landis S. H. & Bro., Quakertown, Pa.
Lebzelter Phillip & Son Co., Lancaster, Pa.
**Liles Bros., Forest, Miss.**
**Lindsay D. M., Newport, Tenn.**
**Little J. W., Paducah, Ky.**
Little Kos., Kennett, Mo.
**Longworth I. R. Co., Somerset, Ky.**
Look & Lincoln, Marion, Va.
**McGlone Bros., Morehead, Ky.**
**MacKinnon F. Mfg. Co. (Birch), Grand Rapids, Wis.**
**Manchester Mfg. Co., Manchester, Tenn.**
Marianna Spoke Co., Marianna, Ark.
**Medina Bending Works, Medina, O.**
Minton T. W. & Son, Barbourville, Ky.
**Ness Bros. & Co., York, Pa.**
**Ohio Spoke & Bending Co., Botkins, O.**
Ort & Lang (Hickory), Vanceburg, Ky.
Owensboro Wagon Co., Owensboro, Ky.
Pennock-Walter Mfg. Co., Algood, Tenn.
Petersburg Rim & Veneer Co., Petersburg, Va.
Peterson Samuel, Warren, Pa.
Pinneo & Daniels Co., Dayton, O.
Piper B. H. Co., Manchester, N. H.
Red Star Spoke Co., Fayettesville, Ark.
**Reuter Hub & Spoke Co., Dexter, Mo.**
Rock City Spoke Co., Nashville, Tenn.
**Sanders Alva Spoke Factory, Ashland, Ky.**
Schmidt & Stork Wagon Co., West Bend, Wis.
Seymour Mfg. Co., Seymour, Ind.
Shortsville Wheel Co., Shortsvile, N. Y.
**Shupp Homer A., Effort, Pa.**
Small W. E. Spoke Mfg. Co., Corinth, Miss.
Southern Indiana Mfg. Co., Birdseye, Ind.
Southern Spoke & Mfg. Co., Shelby, Miss.
Southern Wheel Stock Co., Ironton, O.
Spring Valley Spoke, Stave & Heading Co., Spring Valley, Wis.
Standard Wheel Co., Terre Haute, Ind.
**Stevens A. E. & Co., Portland, Me.**
**Stinson Edward Mfg. Co., 327 Guilford, Baltimore, Md.**
Tell City Spoke Co., Tell City, Ind.
Thomasville Spoke Works Co., Thomasville, N. C.
Tubb J. R., Sparta, Tenn.
**Turnbull Motor Truck & Wagon Co.** (Wagon Wheel), Defiance, O.
Union Spoke & Bending Co., Union City, Ind.
Von Behren Mfg. Co., Evansville, Ind.
Wayne Spoke & Bending Co., Fort Wayne, Ind.
Weis & Lesh Mfg. Co., Muncie, Ind.
Wheel & Wood Bending Co., Bridgeport, Conn.
Wheetley Spoke Co., Wheetley, Ark.
Whitaker Bros. Co., Meridian, Miss.
Wildermuth Bending Co., Columbus, O.

## 13945— Sponge Rubber

Empire Tire & Rubber Corp., Trenton, N. J.
Faultless Rubber Co. (For Stamp Makers), Ashland, O.
Featheredge Rubber Co. ("Featheredge"), **408 W Grand av, Chicago, Ill.**
Goodrich B. F. Co. (For Rubber Stamps, etc), Akron, O.
Mattson Rubber Co., Lodi, N. J.

## 13946— Sponges

**Bartlum Geo. L. (Sponge Shipper), Key West, Fla.**
Block Joseph (Inc.) (Imp), 51 Cliff, New York
Blum R., 108 Pearl, Boston, Mass.
**Borgfeldt Geo. & Co., 16th & Irving pl, New York**
Burk Wm. B. & Co., (Importers), 6th & Arch, Philadelphia, Pa.
Braun-Knecht-Heimann Co. (unbleached), 576-584 Mission, San Francisco, Cal.

Carbondale Sponge Co. (Imp), 89 Fulton, New York
Cheyney John K., Tarpon Springs, Fla.
Ettman H. L. Sponge Co., 1112 Pine, St. Louis, Mo.
Fossol John & Co., Tarpon Springs, Fla.
Fuchs Max Co. (Imp), 244 Pearl, New York York
Greek-American Sponge Co., 300 W Randolph, Chicago, Ill.
Isaacs A. & Co. (Imp), 58 Beekman, New York
Lampel F. L., 315 Locust, St. Louis, Mo.
Lasker & Bernstein (Imp), 161 William, New York
Leousi, Clonney & Co., 39 Walker, New York
Louden & Hill, 624 Arch, Philadelphia, Pa.
Moses A. Sons & Co., 47 Ann, New York
Nassau Sponge Co., 234 W Lake, Chicago, Ill.
National Sponge & Chamois Co., 158 William, New York
Rhodes Jas. H. & Co. (Producers & Bleached), 2810 S Albany av, Chicago, Ill.

## 13947— Sponges (Rubber)

Faultless Rubber Co., Ashland, O.
Featheredge Rubber Co., 408 W Grand av, Chicago, Ill.
Mattson Rubber Co., Lodi, N. J.
Miller Rubber Co., Akron, O.

## Spool Mfrs.

See Textile Machinery, Supplies, Etc

## 13947a— Spools (Belting)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 13948— Spools (Catenary)

Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.

## 13949—Spools (Cord, Electric Wire)

McGill Mfg. Co. ("Universal"), 77 Oak, Valparaiso, Ind.
*See adv index at end of book*

## 13950-1—Spools (Field Magnet)

Hemming Mfg. Co., Garfield, N. J.
Vulcanized Products Co. ("Gohmak" Wood Pulp), Muskegon, Mich.

## 13952— Spools (Metal)

American Pulley Co. (Pressed Steel), 114 S Clinton, Chicago, Ill.
Mossberg Frank Co. (Stamped Steel for Annealing, Spooling-Wire, Cordage, Chain, etc), Attleboro, Mass.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*

## 13952a—Spools (Typewriter Ribbon)

Syracuse Stamping Co., Inc. (Special), 422 S West, Syracuse, N. Y.

## 13953— Spools (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

Established 1847
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Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 13953a—Spools (Wooden, for Wire)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 13954— Spoons (Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Wagner Mfg. Co. ("Wagner Ware" Cast Aluminum), Sidney, O.

## 13955—Spoons (Basting & Mixing)

Atlas Laboratory Equipment Bureau (Horn), 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Browne W. G. Mfg. Co., Kingston, N. Y.
Buckeye Aluminum Co. ("Real Solid" Aluminum), Wooster, O.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Fisher Adam Mfg. (Combines an Egg Separator, Cake Mixing Spoon & Nutmeg Grater), 3624 Enright, St. Louis, Mo.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Peoria Can Co. (Mixing Only), Peoria, Ill.
Potter Mfg. Co. ("Potter"), Geneva, O.
White Ira F. & Son Co. (Perforated, Slotted, "Whirlpool"), Bloomfield, N. J.

## 13956—Spoons (Chafing Dish)

Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Rochester Stamping Co., Rochester, N. Y.

## 13957— Spoons (Digging)

See also Shovel & Spade Manufacturers
Ames Shovel & Tool Co. (Telegraph, etc), Ames bldg, Boston, Mass.
Beall Bros., Alton, Ill.
Columbus Handle & Tool Co., Columbus, Ind.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indiana Shovel Co., New Castle, Ind.
Pfeifer Jno. & Co. (Ltd.), 222 Race, Phila., Pa.
Pittsburgh Shovel Co., Oliver bldg, Pittsburgh, Pa. Works: Leechburg, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.; 165 Broadway, New York
Russell John C. Chovel Co., 336 4th av, Pittsburgh, Pa.
Wyoming Shovel Works, Wyoming, Pa.

## 13958— Spoons (Drossing)

Wilfong Millard F. Iron Works Co., 52nd & Gray's av, Phila., Pa.

## 13959— Spoons (Ice Cream)

Ammidon & Co. ("Amico"), 31 S Frederick, Baltimore, Md.
Giles & Nielsen Nickel Works, Troy, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
National Enameling & Stamping Co. (Forged, Re-Tinned Wooden Handle), 411 5th av, New York

## 13960— Spoons (Ladle)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.

## 13961-2—Spoons (Miners')

Hardsocg Mfg. Co., Ottumwa, Ia.

## Spoons (Mustard)

See Spoons, Wooden

## 13963— Spoons (Paper)

American Water Supply Co., 251 Causeway, Boston, Mass.
Atlas Mfg. Co. (Ice Cream, etc), New Haven, Conn.

## 13964— Spoons (Pitting)

Emrich Phil., 824 Main, Cincinnati, O.
Ontario Knife Co. ("California"), Franklinville, N. Y.

## 13964a— Spoons (Platinum)

Baker & Co., Inc., 54 Austin, Newark, N. J.
Bishop J. & Co., Platinum Wks., Malvern, Pa.

## 13965— Spoons (Skimming)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.

## 13966-7—Spoons (Strainer)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York

## Spoons (Table, Silver & Silver Plated)

See Silverware, Table

## Spoons (Telegraph)

See Shovels, Spades & Scoops; also Spoons Digging

## 13968— Spoons (Tinned)

Ammidon & Co. ("Amico" Ice Cream), 31 S Frederick, Baltimore, Md.
Atlas Mfg. Co. (Ice Cream), New Haven, Conn.
Benedict Mfg. Co., East Syracuse, N. Y.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Central Stamping Co., 174 Fulton, New York
Dover Stamping & Mfg. Co., Cambridge, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grasberger B. A. & Co., 820 W Moore, Richmond, Va.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lisk Mfg. Co. (Anti-Rust), Canandaigua, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
Parker Chas. Co., Meriden, Conn.
Peoria Can Co. (Ice Cream), Peoria, Ill.
Russell J. Cutlery Co., Turners Falls, Mass
Wallace R. & Sons Mfg. Co., Wallingford, Conn.

## 13969—Spoons (Wood Handle)

Potter Mfg. Co. (Egg, Cake, etc.), Geneva, Ohio

## 13970— Spoons (Wooden)

Bogert & Hopper, Inc. (Mustard, etc.), 57 Barclay, New York
*See adv index at end of book*
Chapman-Sargent Co., Piqua, O.
Estes E. B. & Sons (Mustard, etc), 364 5th av, New York
*See adv index at end of book*
Peirce W. E. & Co., Milford, N. H.
Richardi & Bechtold, Bellaire, Mich.

## 13970a—Sporting Goods (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E B. & Sons, 364 5th av, New York
*See adv index at end of book*
Lurie John, Inc., 1789 Broadway, New York
Wright & Ditson, 408 B'way, New York

## 13971—Sporting & Athletic Goods Mfrs.

See also the Specified Article Required
Abel, W. A. Co., Syracuse, N. Y.
Brauer Bros. Mfg. Co. ("Moose" Brand of Leather Sporting Gun Goods), 204 N 14th, St. Louis, Mo.
Buchheimer Geo. H., 1004 Rutland av, Baltimore, Md.
Chicago Sporting Goods Mfg. Co. (Baseballs, Gloves, Mitts & Uniforms, etc), 211 N Carpenter, Chicago, Ill.
Daily Mfg. Co., 432 E 7th, St. Paul, Minn.
Draper Maynard Co., Plymouth, N. H.
Dudley Chas. H. (Complete Equipment for Base & Foot Balls, Tennis, Gymnasium, etc), Hanover, N. H.
Giant Mfg. Co (Jobbers), Council Bluffs, Iowa
Goodrich B. F. Co. (Rubber Goods for Baseball, Golf, Tennis, etc), Akron, Ohio
Hellenberg J. B. Co. (Indian Clubs, Dumbbells, Horizontal Bars, Ten Pins & Indoor Sporting Goods), Coldwater, Mich.

SPORTING & ATHLETIC GOODS MFRS. —continued

Hill Richard F., 219 High, Newark, N. J.
**Hillerich Bradsby Co. ("Louisville Slugger" Bats), Louisville, Ky.**
**Hygienic Fleeced Underwear Co. (Suits, Sweaters, Coats, Stockings, etc), 2415 Howard, Philadelphia, Pa.**
Jarvis W. B. Co. ("Ty Cobb" Baseball, Tennis & Athletic Goods), Grand Rapids, Mich.
**Johnson's Iver Arms & Cycle Works, Fitchburg, Mass.**
**Kimball-Upson Co. (Jobbers), Sacramento, Cal.**
**Leacock Sporting Goods Co. (Baseball, Golf & Tennis Goods), 921 Locust, St. Louis, Mo.**
Lee Harry C. & Co. (Tennis & Golf Specialties), 97 Chambers, New York
Mandl Bernard (Clothing), 212 W Madison, Chicago, Ill.
McLaughlen, Bundy & Sinsbaugh, 545 S Spring, Los Angeles, Cal.
New York Sporting Goods Co., 15 Warren, New York
Peach J. A., Gloversville, N. Y.
**Peerless Exerciser Co. ("Five-in-One" Spring Exerciser), 383 Pearl, Brooklyn, N. Y.**
**Rawlings Mfg. Co. ("Reynolds" Catchers' Mitts), 23d & Lucas av, St. Louis, Mo.**
Reach A. J. Co., Tulip & Palmer, Philadelphia, Pa.
**Rome Sporting Goods Mfg. Co., Rome, N. Y.**
Schovering, Daly & Gales (Dealer), 302 B'way, New York
Sharp & Smith (Jockey Straps), 65 E Lake, Chicago, Ill.
Simmons Hardware Co., 9th & Spruce, St. Louis, Mo.
Spalding A. G. & Bros. (Full Line), 126 Nassau, New York
**Stall & Dean Mfg. Co. (Everything for Baseball, Football, etc), Brockton, Mass.**
**Treinis Bros. (Athletic Clothing), 126 13th, Brooklyn, N. Y.**
Tryon Edw. K. Co. (Baseball Goods, etc), 611 Market, Phila., Pa.
Utica-Duxbak Corp. (Mackinaws & Sporting Garments), Utica, N. Y.
Victor Sporting Goods Co., Springfield, Mass.
Wagner Bros. Hardware Co. (Jobbers), Hazleton, Pa.
Ware Walter F. Co. (Jock Supporters), 1034 Spring, Phila., Pa.
Weed Lewis M. Co., Inc., Binghamton, N. Y.
**Western Sporting Goods Mfg. Co., 126 N Union av, Chicago, Ill.**
Westing G. H. Co. (Jobbers), Penn & Vermont, Indianapolis, Ind.
Whitely Exerciser Co., 36 Vesey, New York
Wilson Thos. E. & Co., 701 N Sangamon av, Chicago, Ill.
**Wise Sportsman's Supply Co. ("Jim Dandy" Fish Bait), 15 E Lake, Chicago, Ill.**
Wright & Ditson, 344 Washington, Boston, Mass.

## 13971a—*Spouting (Concrete)

See also Chutes, Concrete
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 13972— Spouts (Bung)

Kraft A. C. ("Wilson"), 323 W Lake, Chicago, Ill.
Redlich Mfg. Co., 637 to 647 W Oak, Chicago, Ill. *See adv index at end of book*

## 13973— Spouts (Can)

Consolidated Fruit Jar Co., New Brunswick, N. J.
Marsh Mfg. Co. (Spouts & Faucets for Tin Cans), 56 Pine, New York
Sexton Can Co. ("Sexton's" Swivel), 123 Broad, Boston ,Mass.

## 13974—*Spouts (Coaling Station)

**LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa.**
*See adv index at end of book*

## 13975— Spouts (Grain)

**Great Western Mfg. Co., Leavenworth, Kan.**
**Hart Grain Weigher Co. (For Use With Portable Elevators), Peoria, Ill.**

## 13975a— *Spouts (Magnetic)

Dings Magnetic Separator Co., 672 Smith Milwaukee, Wis.
*See adv index at end of book*

## 13976— Spouts (Sap)

Breck James & Sons Corp., 55 Franklin, Boston, Mass.
Foster Harry H., Cabot, Vt.
Franklinville Canning Co. ("Anchor"), Franklinville, N. Y.
Grimm G. H., Rutland, Vt.
Hunting Co. ("Willis"), Watertown, N. Y.

## 13976a— *Spouts (Wood)

**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*

## 13976b—Spray Nozzles (Water Cooling)

**ANTHONY CO.,** 9 Jackson av, Long Island City, N. Y.
Badger E. B. & Sons Co., 75A, Pitts, Boston, Mass. *See adv index at end of book*
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
**STAR BRASS WORKS,** 3129 Carroll av, Chicago, Ill. *See adv index at end of book*

## 13976c— Spray Outfits

**American Spray Co., 26 Cortlandt, New York**
Brown E. C. Co., Rochester, N. Y.
**Cooling Tower Co., Inc. (Pads, etc.), 15 John, New York**
MacLeod Co. (Hand & Power), 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**MEYERS F. E. & BRO.** (Automatic Pressure Controller, "Myers" Special Spray Outfits), 900 Fourth, Ashland, O.
*See adv index at end of book*
Stahl Wm. Sprayer Co., Quincy, Ill.
Star Brass Works, 3129 Carroll av, Chicago, Ill. *See adv index at end of book*

## 13977—*Sprayers (Blacking Swab)

**MAC LEOD CO.,** 2227 Bogen, Cincinnati, Ohio *See adv index at end of book*

## 13977a— Sprayers (Cart)

Brown, E. C. Co., Rochester, N. Y.
**DEMING CO.** ("Planters," "Gardners' Choice," "Farmers' Friend"), Salem, Salem, O. *See adv index at end of book*

## 13977b—Sprayers (Cooperage Coating)

**Eureka Machine Co., Cleveland, O.**

## 13977c—Sprayers (Garden, Orchard, etc.)

Aspinwall Mfg. Co., Jackson, Mich.
Brandt Mfg.. Co. ("Simplex," "Brandt," "Perfection"), 310 3rd av N, Minneapolis, Minn.
Brown, E. C. Co., Rochester, N. Y.
Champion Potato Machine Co. ("O. K. Champion" Four Row), Hammond, Ind.
Crown Mfg. Co., Phelps, N. Y.
Deming Co., Salem, O.
*See adv index at end of book*
Dust Sprayer Co., 1222 W 9th, Kansas City, Mo.
Field Force Pump Co. ("Red Jacket," "Yellow Jacket"), Elmira, N. Y.
**Harry Bros. Mfg. Co. (Hand "Atomist"),** 282 Woodridge E., Detroit, Mich.
Lauson-Lawton Co. De Pere, Wis.
Lawrence-Bostwick Mfg. Co. (Ltd.) ("Star" Hand), Phelps, N. Y.
Leggett & Bro. ("Champion," "Little Giant," "Jumbo"), 301 Pearl, New York *See adv index at end of book*
Lisk Mfg. Co. (Ltd.) ("Lisk" Hand), Canandaigua, N. Y.
McKenzie Mfg. Co. ("Egan," "La Crosse," "McKenzie"), La Crosse, Wis.
MacLeod Co., 2227 Bogen, Cincinnati, Ohio
*See adv index at end of book*
**MYERS F. E. & BRO.** ("Myers," Myers Wheelbarrow), 900 Fourth, Ashland, O.
*See adv index at end of book*
Stahl Wm. Sprayer Co., Quincy, Ill.
Stevens Mfg. & Foundry Co. ("Steitz"), Decatur, Ill.

## 13977d—Sprayers (Gasoline Engine Outfits)

MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 13978-9-80—Sprayers Mine)

American Moistening Co. (to Prevent Explosions in Coal Mines), 120 Franklin, Boston, Mass.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Stine S. B., Osceola Mills, Pa.

## Spraying Apparatus

See Pumps, Spraying; also Spraying Machines

## 13981—Sprays (Rubber Bath)

Tyer Rubber Co. ("Tyrian," Single & Double Faucet Connection), Andover, Mass.
Vant, Woud Rubber Co., 168 39th, Brooklyn, N. Y.

## 13982— Sprays (Urinal)

**ACHESON MFG. CO.,** Rankin, Pa.
*See adv index at end of book*
I. X. L. Pump & Mfg. Co., 957 N 9th, Phila., Pa.
Perkes Chas., 627 Arch, Phila, Pa.
Speakman Supply & Pipe Co., Wilmington, Del.

## 13983— Sprays (Water, for Acid Chambers)

**American Spray Co., 26 Cortlandt, New York**
Chemical Equipment Co. ("Ceco"), 910 Monadnock blk, Chicago, Ill.
*See adv index at end of book*


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## 13984— Sprays (Water, for Rock Drills)

**INGERSOLL-RAND CO., 11 B'way, New York** *See adv index at end of book*

## 13985— Spreaders (Automobile Spring)

Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*

## 13986— Spreaders (Concrete)

**MacLeod Co., 2227 Bogen, Cincinnati, O.**
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## 13987—Spreaders (Earth, Ballast & Snow Plow Combined)

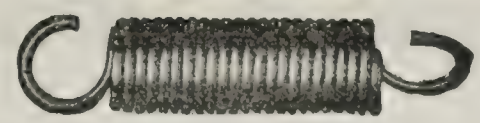
Jordan O. F. Co. (Pneumatic), 333 S Michigan av, Chicago, Ill.

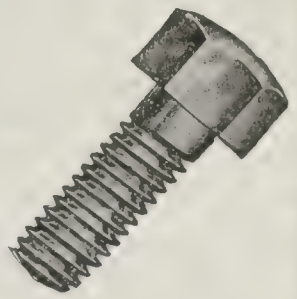
## Spreaders (Glue)

See Glue Spreading Machinery

## 13988— Spreaders (Lime)

Hench & Dromgold Co. ("Economic"), York, Pa.
Kemp N. J. Co. ("Kemp Climax"), Batavia, N. Y.
Keystone Machine Co., York, Pa.





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## 13989— Spreaders (Manure)

Appleton Mfg. Co. ("Appleton"), Batavia, Ill.
Bloom Mfg. Co., Nashua, Ia.
**Eagle Wagon Works, Auburn, N. Y.**
Emerson-Brantingham Co. ("E.-B."), Low Down), Rockford, Ill.
Ertel Geo. Co., Quincy, Ill.
Galloway Wm. Co., Waterloo, Ia.
**Harder Mfg. Co. ("Fearless"), Cobleskill, N. Y.**
**International Harvester Company of America (Inc.) ("International"), Harvester bldg, Chicago, Ill.**
**Johnston Harvester Co., Batavia, N. Y.**
Litchfield Mfg. Co. ("Litchfield"), Waterloo, Ia.
Mandt Wagon Co., Stoughton, Wis.
**Marseilles Works of Deere & Co. ("John Deere," "Kemp & Burpee," "Success"; also Straw Spreader), East Moline, Ill.**
Moline Plow Co. ("Flying Dutchman," "Moline" & Wagon Box), Moline, Ill.
New Idea Spreader Co. ("New Idea," "Lowest Low-Down," "Coldwater"), Coldwater, O.
Oliver Chilled Plow Works ("Blac' Hawk"), South Bend, Ind.
One Minute Mfg. Co., Newton, Ia.
Richardson Mfg. Co., Worcester, Mass.
Rock Island Plow Co. ("Great Western"), Rock Island, Ill.
Rude Mfg. Co., Liberty, Ind.
Sechler D. M. Implement & Carriage Co. ("Black Hawk"), Moline, Ill.
**Superior Mfg. & Mill Co., Springfield, O.**
Waterloo Gasoline Engine Co. ("Waterloo Boy"), 625 Miles, Waterloo, Ia.
Wood Walter A., Mowing & Reaping Machine Co. ("Fearless"), Hoosick Falls, N. Y.

## 13990-1—Spreaders (Rubber Mill)

American Tool & Machine Co. (For Coating Textile Fabrics), 10 High, Boston, Mass.
Birmingham Iron Foundry ("Birmingham"), Derby, Conn.
Coil Spring Co., Inc., 103-105 Mott cor. Canal, New York
New England Butt Co., 304 Pearl, Providence, R. I.
Vaughn Machinery Co., Cugahoga Falls, O. *See adv index at end of book*

## 13992— Spreaders (Wire)

Line Material Co. (Arms & Wire Spreaders), So. Milwaukee, Wis.

## 13993— Spring Dampener

McCord & Co. ("McCord"), 122 S Michigan av, Chicago, Ill.

## 13993a—Spring Oilers (Leaf)

Brown Spring Oiler Co. ("Relic" & "Brown"), 6911 Carnegie av, S E, Cleveland, O.
Jeavons A. N. (& Covers), 1603 Prospect av, Cleveland, O.
Spring Leaf Lubricator Co., Ann Arbor, Mich.

## 13994—Springs (Agricultural Implement)

See also Springs, Machinery
American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Babcock Mfg. Co., Leonardsville, N. Y.
Bridgeport Chain Co. (Miller Wire Spring Dept.), Bridgeport, Conn.
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
**CUYAHOGA SPRING CO.,** 10253 Berea rd, Cleveland, O.
*See adv index at end of book*
Fischer Chas. Spring Co., 473 Kent av, Brooklyn, New York
Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.
General Spring & Wire Co., 550 Marston, Detroit, Mich.
Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.
Harrow Spring Co. (Cultivator Sectional, etc), Milwaukee, Wis.
Hubbard M. D. Spring Co., Pontiac, Mich.
New York Wire & Spring Co., 588 Washington, New York
Pittsburgh Spring & Steel Co., Farmers Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Sabin Machine Co., Montpelier, Vt.
Springfield Spring Co., Springfield, O.
**Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.**
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Robt. P., 320 Market, Newark, N. J.

## Springs (Air Brake)

See Springs, Coil or Spiral

## 13995—Springs (Automobile)

See also Springs, Various Kinds; also Shock Absorbers
American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.
Auto Parts Mfg. Co, Trombly & Orleans, Detroit, Mich.
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
**BARNES THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Beans Spring Co. (& Truck), Massilon, O.
Betts Spring Co. (Also Auto Truck), 888 Folsom, San Francisco, Cal.
Boyd F. Shirley, 903 Boylston, Boston, Mass.
Cambria Spring Co., Los Angeles, Cal.
Cary Spring Works (Small), 240 W 29th, New York
Christie Alex & Co., Seattle, Wash.
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*See adv index at end of book*

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Detroit Steel Products Co., Detroit, Mich.

Dunbar Bros. Co. ("Dunbar" Springs), **Bristol, Conn.**

Earl Automobile Works, **Los Angeles, Cal.**

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Harvey Spring & Forging Co., Racine, Wis.

Higgins Spring & Axle Co. (& Replacement Springs), Racine, Wis.

Hill-Smith Metal Goods Co. ("H.-S."), 82 Brookline av, Boston, Mass.

Hoover Spring Co. ("Hoover Perfect"), 617 Turk, San Francisco, Cal.

Iron City Spring Co., 2920 Smallman, Pittsburgh, Pa.

Jackson Cushion Spring Co. ("Rough Rider," "Advance"), Jackson, Mich.

**Jenkins Vulcan Spring Co., Richmond, Ind.**

Kalamazoo Spring & Axle Co., Kalamazoo, Mich.

Keystone Spring Works ("Keystone"), 13th & Buttonwood, Philadelphia, Pa.

Liggett Spring & Axle Co., Monongahela, Pa.

Mather Spring Co. ("Mather Vanadium" & "Mather Crescent"), Toledo, O.

**Merrill E. R. Spring Co., 530 W 28th, New York**

Miller & Van Winkle ("Eagle," Springs of Every Description), 18 Bridge, Brooklyn, N. Y.

**National Spring Co., New Castle, Ind.**

**NATIONAL SPRING CO., THE,** 689 Kent Brooklyn, N. Y.

New York Wire & Spring Co. (All Kinds), 588 **Washington,** New York

Otter Mfg. Co., Inc. (All Tempered, Flat & Spiral), 243 W 17th, New York

**Palmer Jos., 333 Rutherford av, Boston, Mass.**

**Penn Spring Works, Baldwinsville, N. Y.**

Pittsburgh Spring & Steel Co., Farmers Bank bldg, Pittsburgh, Pa.

Pneumatic Cushion Co., 179 Grove, San Francisco, Cal.

**Pullau Steel Spring Co., Mt. Clemens, Mich.**

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Rich Hdwe. Co., Phoenix, Ariz.

Rowland Wm. & Harvey ("W. & H. Rowland"), Tacony & Lewis, Philadelphia, Pa.

**Sheldon Axle & Spring Co. ("Sheldon," "Anchor" & "Dragon"), Wilkes Barre, Pa.**

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**Spring Perch Co. (Pleasure & Truck), Bridgeport, Conn.**

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Sterling Spring Co. ("Sterling"), 2148 Scranton rd, Cleveland, O.


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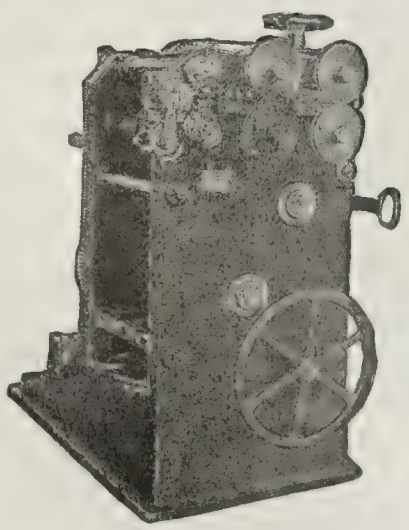

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## HIGH SPEED AUTOMATIC

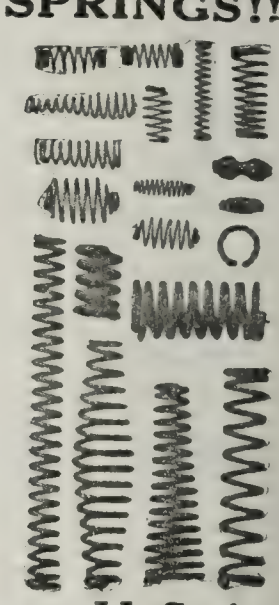
# SPRING COILING

*and*

# WIRE COILING MACHINES

OF EVERY DESCRIPTION

We offer, for instance, UNIVERSAL SPRING COILERS such as are illustrated here, in eight different sizes of machines, handling oil-tempered wire from .004" to 5/8" diameter. Any of these machines will produce springs in all the forms shown above.



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See our advs. at Nail Mill Machy. and Spring Coiling Machy.

**Superior Steel Spring Co. (Suspension),** Mt. Clemens, Mich.
**Trenton Spring Mattress Co. (Cushion Springs),** Trenton, N. J.
**Tuthill Spring Co. ("Titanic"), 760 Polk,** Chicago, Ill.
**Union Spring & Mfg. Co. (Coil & Elliptic),** 1211 Fulton bldg., Pittsburgh, Pa.
*See adv index at end of book*
**Waterbury Welding Co., Waterbury, Conn.**
Watertown Automobile & Supply Co., Watertown, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Willys-Overland Co. (Cushion & Back), Toledo, Ohio

## 13996— Springs (Bed)

**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
**Barber Mfg. Co., Anderson, Ind.**
**Bonnell E. M., Corry, Pa.**
Bridgeport Chain Co. (Miller Wire Spring Dept.), Bridgeport, Conn.
**Cleveland Wire Spring Co. (Wire Fabrics), 1281 E. 38th, Cleveland, O.**
Englander Spring Bed Co. 88 35th, Brooklyn, N. Y.
**Enterprise Bed Co., Hammond, Ind.**
**Foster Bros. Mfg. Co. ("Ideal"), Utica, N. Y.**
**Hartford Wire Works, Hartford, Conn.**
Hasselbarth Whiton Co., Utica, N. Y.
**Jackson Cushion Spring Co. ("Rough Rider"), Jackson, Mich.**
**Kauffman Mfg. Co., Ashland, O.**
Lewis-Weller Mfg. Co. ("E-Z"), Utica, N. Y.
**Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.**
**Milwaukee Woven Wire Works, 3014** Clarke, Milwaukee, Wis.
Norfolk Mattress Co., Norfolk, Va.
**Ohio Spring Bed Co., 1281 E 38th, Cleveland, O.**
**Premier Spring Bed Co., 218 Utah, San Francisco, Cal.**
Renn-Davis & Co. (Steel Frame, Steel Lock), Portsmouth, Va.
Simmons Co., Kenosha, Wis.
Southern-Rome Co. ("Romelink"), 623 W Pratt, Baltimore, Md.
**Staples & Hanford Co., Newburgh, N. Y.**
Sussman-Harris, 232 E 111th, New York
Vincent-Alward Co. (Spiral), Kenosha, Wis.
Wickwire Spencer Steel Corp. ("Helical"), Worcester, Mass.
*See adv index at end of book*

## 13997—*Springs (Bee Hive)

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Springs (Bicycle)

**See Springs, Coil or Spiral**

## 13998— Springs (Bird Cage)

Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*
**Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.**
**HENDRYX ANDREW B. CO.,** New Haven, Conn.
*See adv index at end of book*
**Hirsch & Spitz Mfg. Co., Atlanta, Ga.**
**Lindemann O. & Co., 35 Wooster, New York**
**Meyers Fred J. Mfg. Co., Hamilton, O.**
*See adv index at end of book*
**New York Wire & Spring Co., 588 Washington, New York**
**Parker Wire Goods Co., Worcester, Mass.**
**Turner & Seymour Mfg. Co., Torrington, Conn.**
**Wire Goods Co., Worcester, Mass.**

## Springs (Bolster)

**See Springs, Car; also Springs, Carriage & Wagon**

## 13998a— Springs (Brake)

**UNION SPRING & MFG. CO.,** 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 13998b—*Springs (Brass, Flat & Wire)

**BARNES, THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*

## 13999—Springs (Brush Holder)

**BARNES, THE WALLACE CO.** ("Barnes-Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O. *See adv index at end of book*
**Dunbar Bros. Co. ("Dunbar Springs"),** Bristol, Conn.
**Eureka Co., North East, Pa.**
Humason Mfg. Co., Forestville Station, Bristol, Conn.
*See adv index at end of book*
**NATIONAL SPRING CO., THE,** 689 Kent av, Brooklyn, N. Y.
**Railway Steel Spring Co., 30 Church, New York**
Reliance Spring & Mfg. Co., Inc., 3910 2d av, Brooklyn, N. Y.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
**Vose Spring Co., 150 Bleecker, New York**
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*

## 14000— Springs (Car)

**American Spiral Spring & Mfg. Co. (P. R. R. Spec), 56th & A. V. R. R., Pittsburgh, Pa.**
American Steel Foundries, McCormick bldg, Chicago, Ill.
**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
Betts Spring Co., 88 Folsom, San Francisco, Cal.
Brill J. G. Co. (Car & Locomotive), 62d & Woodland av, Phila., Pa.
**Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.**
Detroit Steel Products Co., 2250 E Grand blvd, Detroit, Mich.
**Farist Steel Co., Bridgeport, Conn.**
**Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.**
**Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.**
McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
**New Jersey Car Spring & Rubber Co., 91** Brunswick, Jersey City, N. J.
**New York Wire & Spring Co., 588 Washington, New York**
**Otter Mfg. Co., Inc. (Oil Tempered, Flat & Spiral), 243 W 17th, New York**
Pittsburgh Crucible Steel Co., Midland, Pa.
Pittsburgh Spring & Steel Co., Farmers Bank bldg, Pittsburgh, Pa.
Pressed Steel Car Co. (Bolster, Coach & Engine), 307 5th av, Pittsburgh, Pa.
Railway Steel Spring Co. (Heavy, Elliptic & Coil), 30 Church, New York
Rowland Wm. & Harvey, Tacony & Lewis, Phila., Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Standard Steel Works Co., Morris bldg, Phila., Pa.
Taylor Electric Truck Co. ("Taylor-Made" Coil & Elliptic), Troy, N. Y.
Union Spring & Mfg. Co. (Coach & Locomotive, Coil & Elliptic), 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Vose Spring Co., 150 Bleecker, New York
Western Steel Car & Foundry Co. (Bolster, Couch & Engine), 122 S Michigan av, Chicago, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Springs (Car Fender)

See Springs, Coil or Spiral

## 14001— Springs (Car Sash)

Wallace Supplies Mfg. Co., 412 Orlean, Chicago, Ill.

## Springs (Car Seat)

See Springs, Furniture & Upholstering

## 14002—Springs (Carriage & Wagon)

Adams E. B. & Son ("Spalding" Bolster), Racine, Wis.
**Betts Spring Co., 888 Folsom, San Francisco, Cal.**
Cately & Ettling (Prop), Cortland, N. Y.
Cleveland Wire Spring Co. (Bolster), 1281 E 38th, Cleveland, O.
Concord Axle Co. ("Palmer's" Concord), **Penacook, N. H.**
Cooper Spring Co., Leader News bldg., Cleveland, O.
Delany D. & Son, Hamilton, Newark, N. J.
Ernsdorff John Iron Co. (Bolster Only), Dubuque, Ia.
Fernald Mfg. Co. ("Keystone," Attached Between Trace & Whiffletree), North East, Pa.
Garden City Spring Works, 2300 Archer, Chicago, Ill.
Harvey Spring & Forging Co. (Bolster & Seat), Racine, Wis.
Higgins Spring & Axle Co. (Wagon seat Springs), Racine, Wis.
Hirsch Bros. (Bolster), 267 Reed, Milwaukee, Wis.
Indianapolis Bolster Spring Co., Indianapolis, Ind.
Iron City Spring Co. (Oil Tempered), 2920 Smallman, Pittsburgh, Pa.
Jackson Cushion Spring Co. ("Rough Rider," Carriage Seat, etc), Jackson, Mich.
Kalamazoo Spring & Axle Co. (Seat, Bolster Body, etc), Kalamazoo, Mich.
Liggett Spring & Axle Co., Monongahela, Pa.
Merrill E. R. Spring Co., 530 W 28th, New York
Meyer & Co. ("Cliffs" Bolster Seat & Pole), Throopsville, N. Y.
New Haven Spring Bed Co., New Haven, Conn.
Noll Bros. (Bolster), 849 Allis, Milwaukee, Wis.
Palmer Jos., 333 Rutherford av, Boston, Mass.
Penn Spring Works, Baldwinsville, N. Y.
Racine General Mfg. Co. ("General" Bolster, Wagon Jobbers Only), Racine, Wis.
Rowland Wm. & Harvey, Tacony & Lewis, Phila., Pa.
Sheldon Axle & Spring Co., Wilkesbarre, Pa.
Spring Perch Co. (Carriage Only), Bridgeport, Conn.
Standard Parts Co., The ("C. C."), Cleveland, O.
Sterling Spring Co., 2148 Scranton rd, Cleveland, O.
Stoughton Wagon Co. (Bolster), Stoughton, Wis.
Studebaker Corp. (Wagon & Bolster), South Bend, Ind.
Tanner D. F. (Wagon Bolster), Holland, N. Y.
Trenton Spring Mattress Co., Trenton, N. J.
Troy Spring Works, Troy, N. Y.
Tuthill Spring Co., 760 Polk, Chicago, Ill.
Walker Mfg. Co. (Bolster Spring for Farm Wagons), Racine, Wis.
Wilson Robert P. ("Wilson's Hold-up" Shaft Springs), 320 Market, Newark, N. J.
Wurster Fred. W. & Co., 375 Kent av, Brooklyn, N. Y.

## 14003—Springs (Ceiling, for Swing Harness)

Berry Chas. E. ("Berry"), Somerville, Mass.

## 14004—Springs (Children's Carriage, Etc.)

**Cary Spring Works, 240 W 29th, New York**
Cleveland Wire Spring Co., 1281 E 38th Cleveland, O.
Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.
Humason Mfg. Co., Forestville Station, Bristol, Conn.
*See adv index at end of book*
New York Wire & Spring Co., 588 Washington, New York
Wagner E. R. Mfg. Co., North Milwaukee, Wis.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14005—Springs (Clock, Music Box, Etc.)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

**BARNES, THE WALLACE CO.** ("Barnes-Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*

Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.

Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.

Manross F. N. & Sons (Clock), Forestville, Conn.

Peck Spring Co., Plainville, Conn.

Waterbury Clock Co., Waterbury, Conn.

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14005a— *Springs (Clutch)

**BARNES, THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*

## 14006—Springs (Coil or Spiral)

American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.

American Steel Spring Co., 2341 Keystone av, Chicago, Ill.

**AMERICAN STEEL & WIRE CO.** (Light & Heavy), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*

**BARNES, THE WALLACE CO.** ("Barnes-Made," All Kinds), 18 Wallace, Bristol, Conn. *See adv index at end of book*

Betts Spring Co., 888 Folsom, San Francisco, Cal.

Cary Spring Works, 240 W 29th, New York

Chatillon Jno. & Sons (Cast Steel), 85 Cliff, New York

Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.

**COIL SPRING CO., INC.,** 103-105 Mott, cor. Canal, New York

Cook Spring Co., 420 E 106th, New York

Crucible Steel Co. of America (All Kinds of Coil), Oliver bldg, Pittsburgh, Pa.

**CUYAHOGA SPRING CO.,** 10253 Berea rd, Cleveland, O.
*See adv index at end of book*

Dellenbarger C. E. Co., Joliet, Ill.

Detroit Steel Products Co. ("Harvey" Friction Draft), 2250 E Grand blvd, Detroit, Mich.

Dunbar Bros. Co. ("Dunbar Springs"), Small Sheet Steel & Brass Wire), Bristol, Conn.

Eastern Parts Mfg. Co., 135 Spring, New York

Eby H. H. Mfg. Co., S W cor 13th & Wallace, Phila., Pa.
*See adv index at end of book*

Eureka Spring Co., 150 Bleecker, New York

Farist Steel Co. (Car, etc), Bridgeport, Conn.

Fischer Chas. Spring Co., 473 Kent av, Brooklyn, New York

Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.

Gardner Wire Co. (Coil, All Kinds Made from Round & Square Wire), 520 N Parkside av, Chicago, Ill.

Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.

Goepel C. F. & Co., 137 E 13th, New York

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

Hebb Geo. A. (Coil), 70 Williams, Newark, N. J.

Hubbard M. D. Spring Co., Pontiac, Mich.

Humason Mfg. Co. (Small Spiral), Forestville Station, Bristol, Conn.
*See adv index at end of book*

Illinois Spring & Stamping Co. (Wire, etc), 2341 N Keystone av, Chicago, Ill.

Insull Thos., 1439 Hutchinson, Phila., Pa.

Jackson Cushion Spring Co. (Wire Coil), Jackson, Mich.

Lever Coil Spring Co., Monadnock bldg, San Francisco, Cal.

Lewis-Weller Mfg. Co., Utica, N. Y.

Ludlow-Saylor Wire Co., Newstead av cor Wabash R. R., St. Louis, Mo.

McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.

Mattatuck Mfg. Co. (Small), Waterbury, Conn.

Meyer & Co., Throopsville, N. Y.

Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.

**NATIONAL SPRING CO., THE,** 689 Kent av, Brooklyn, N. Y.

New York Wire & Spring Co., 588 Washington, New York

Peck Spring Co., Plainville, Conn.

Pittsburgh Spring & Steel Co. (Car, etc), Farmers' Bank bldg, Pittsburgh, Pa.

Railway Steel Spring Co. (Light & Heavy), 30 Church, New York

Raymond Mfg. Co. (Ltd.), (Steel & Wire), Corry, Pa.

Sabin Machine Co. (Organ, etc), Montpelier, Vt.

Shuler W. S. Spring Co., Amsterdam, N. Y.

Snow Albert E & Co., 252 B'way, New York *See adv index at end of book*

Springfield Spring Co., Springfield, Ohio

Taylor Electric Truck Co. ("Taylor Made"), Troy, N. Y.

Union Spring & Mfg. Co. (Car & Machinery), 1211 Fulton bldg, Pittsburgh, Pa. *See adv index at end of book*

Vose Spring Co., 150 Bleecker, New York

Wallace Supplies Mfg. Co. (Coil), 412 Orleans, Chicago, Ill.

Washburn Wire Co., Phillipsdale, R. I.

Webb Mfg. Co., 245-247 N J RR av, Centre, Newark, N. J.
*See adv index at end of book*

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

Wilson Robt. P., 320 Market, Newark, N. J.

## Springs (Compression)

See Springs, Extension & Compression

## 14007— Springs (Contact)

**MORE-JONES BRASS & METAL CO.** (For Trolley Roads), B'way & Dock, St. Louis, Mo. *See adv index at end of book*

Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*

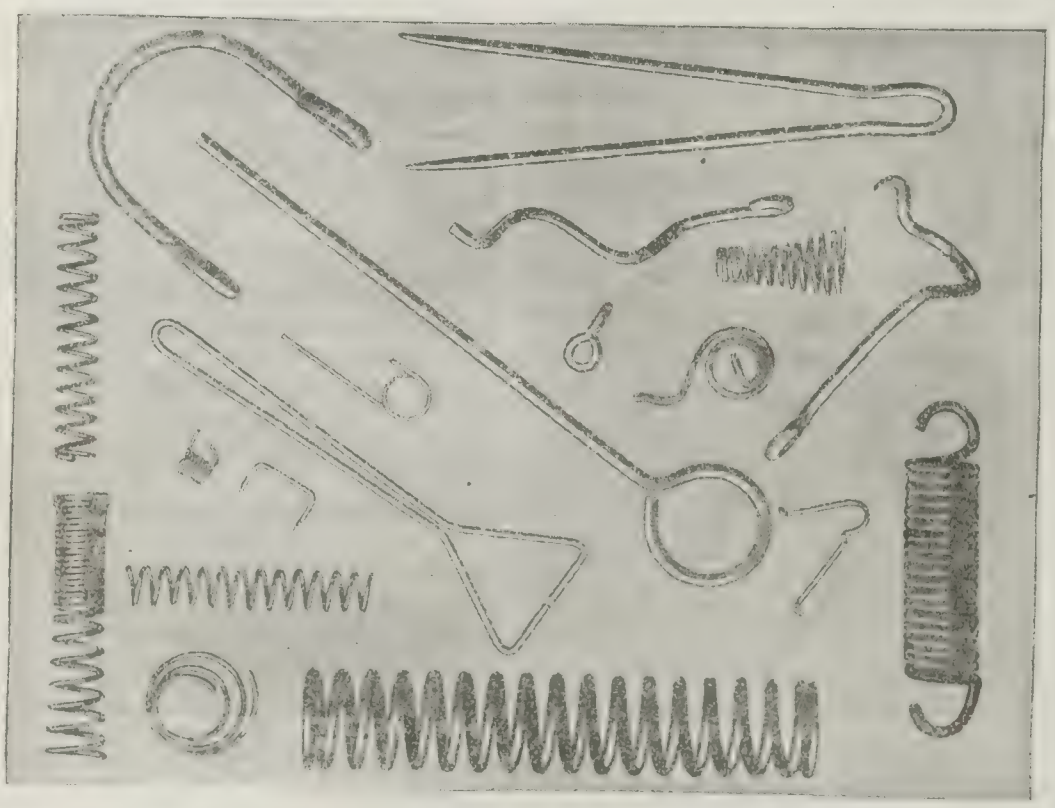
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Springs (Cultivator)

See Springs, Agricultural Implement


# THE CUYAHOGA SPRING COMPANY

10253 BEREA ROAD :: :: :: CLEVELAND, OHIO



WIRE COIL
SPRINGS
AND
SPECIAL WIRE
SHAPES

MADE OF ROUND
OR FLAT WIRE

*SEND US*
*YOUR INQUIRY*

## 14008— Springs (Curtain)

Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*

## 14009— Springs (Cushion)

**Barber Mfg. Co. ("Cardinal"), Anderson, Ind.**
**D'Arcy Spring Co. ("Century"), Kalamazoo, Mich.**
**Jackson Cushion Spring Co. ("Rough Rider," "Advance"), Jackson, Mich.**
Miller Wire Spring Dept., Bridgeport Chain Co., Bridgeport, Conn.
**Miller & Van Winkle ("Eagle"), 18 Bridge, Brooklyn, N. Y.**
National Spring & Wire Co. ("Black Velvet," Spiral Wire for Autos, Carriages, etc), Albion, Mich.
**New York Wire & Spring Co. (Automobile, etc), 588 Washington, New York**
Staples & Hanford Co., Newburgh, N. Y.
Trenton Spring Mattress Co. ("Excelsior," "Lace Web," "T. I. C." Sectional Auto & Carriage), Trenton, N. J.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Willys-Overland Co. (Automobile), Brown & Indiana, Toledo, O.

## 14009a— Springs (Dobby)

**BARNES, THE WALLACE CO.,** 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14010—Springs (Door, Coil, Etc.)

**See also Checks, Screen Door; also Door Checks & Springs**

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Arcade Mfg. Co. ("Warner"), Freeport, Ill.
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
**BARNES, THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Boenck-Lueck Co. ("Simplicity"), 71 W Water, Milwaukee, Wis.
Bommer Spring Hinge Co. ("Spiral"), 263 Classon av, Brooklyn, N. Y.
**Cassady, Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.**
**Chicago Spring Butt Co. ("Chicago," "Reliance"),** 1500 Carroll av, Chicago, Ill.
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.
Coil Spring Co., Inc., 103-105 Mott, cor. Canal, New York
**Columbian Hardware Co. ("Gem" & "Star" Spiral, "Torrey" Rod), Cleveland, O.**
Cuyahoga Spring Co., 10253 Berea rd, **Cleveland, O.**
*See adv index at end of book*
Frantz Mfg. Co., Sterling, Ill.
Hayward S. F. & Co. (Engine House), 250 W 54th, New York
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
Parker Wire Goods Co. ("Eureka"), Worcester, Mass.
Reading Hardware Co. (Coiled Wire, etc), Reading, Pa.
Reading Saddle & Mfg. Co. (Coil Wire), Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sabin Machine Co., Montpelier, Vt.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. ("Perfect"), Sharon, Pa.
Stanley Works (Screen Door), New Britain
*See adv index at end of book*
Wagner Mfg. Co. ("Wagner" Coil), Cedar Falls, Ia.
Wickwire Spencer Steel Corp. ("Perfection" & "Morgan"), Worcester, Mass.
*See adv index at end of book*
Wire Goods Co. ("Perfection"), Worcester, Mass.

## 14011— Springs (Draft)

Beecher Draught Spring Co. ("Beecher" Safety), New Haven, Conn.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
**Detroit Steel Products Co. ("Harvey" Friction Draft),** 2250 E Grand blvd, Detroit, Mich.
**Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.**
Hayward S. F. & Co., 250 W 54th, New York
**New York Wire & Spring Co., 588 Washington, New York**
Pittsburgh Spring & Steel Co., Farmers Bank bldg, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
**Railway Steel Spring Co., 30 Chruch, New York**
**Tanner D. F. ("Holland," Trace or Draft Springs),** Holland, N. Y.
**UNION SPRING & MFG. CO.** (Friction, etc), 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*
**Wilson Robert P. ("Mogul"), 320 Market,** Newark, N. J.

## 14011a—Springs (Electrical Instrument)

**BARNES, THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
**NATIONAL SPRING CO., THE,** 689 Kent av, Brooklyn, N. Y.
Peck Spring Co., Plainville, Conn.

## 14012— Springs (Elliptic)

**Cary Spring Works, 240 W 29th, New York**
Cooper Spring Co., Leader News bldg, Cleveland, O.
Crucible Steel Co. of America, Oliver bldg, **Pittsburgh, Pa.**
Delany Daniel & Son, Hamilton, **Newark,** N. J.
Farist Steel Co. (For Railroad Cars), Bridgeport, Conn.
Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.
Insull Thomas, 1439 Hutchinson, Phila**delphia, Pa.**
Kalamazoo Spring & Axle Co. (For Farm
Keystone Spring Works, 13th & Button- Wagon Seats), Kalamazoo, Mich.
wood, Phila., Pa.
Merrill E. R. Spring Co., 530 W 28th, **New** York
Pittsburgh Spring & Steel Co. (Car, Locomotive & Traction Car), Farmers' Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., **30 Church,** New York
Rowland Wm. & Harvey (Inc.), Tacony & Lewis, Philadelphia, Pa.
**Sheldon Axle & Spring Co., Wilkes-Barre,** Pa.
Shuler W. S. Spring Co., Amsterdam, N. Y.
Standard Parts Co., Cleveland, Ohio
Standard Steel Works Co. (Car & Locomotive), Morris bldg, Phila., Pa.
Taylor Electric Truck Co. ("Taylor Made"), Troy, N. Y.
Tuthill Spring Co., 760 Polk, Chicago, Ill.
Union Spring & Mfg. Co. (Locomotive & Railway Equipment, etc.), 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Vose Spring Co., 150 Bleecker, New York

## 14013-14—Springs (End Gate)

**Gogel Mfg. Co. (For Wagon Builders), Toledo, O**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14015—Springs (Extension & Compression)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**BARNES, THE WALLACE CO. ("Barnes-**Made," All Kinds), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Bridgeport Chain Co. (Miller Wire Spring Dept.), Bridgeport, Conn.
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
**COIL SPRING, INC.** (Small Flat), 103-105 Mott, cor. Canal, New York
*See adv index at end of book*
Cook Spring Co., 420 E 106th, New York
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
**CUYAHOGA SPRING CO.,** 10253 Berea **rd, Cleveland, O.**
*See adv index at end of book*
Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.
Fischer Chas. Spring Co. (Small Flat), 473 Kent av, Brooklyn, N. Y.
**Fort Pitt Spring & Mfg. Co. Pittsburgh, Pa.**
Hubbard M. D. Spring Co., Pontiac, Mich.
Humason Mfg. Co., Forestville Station, Bristol, Conn.
*See adv index at end of book*
Lee Spring Co., 347 Classon av, B'klyn, N. Y.
**Miller & Van Winkle ("Eagle"), 18 Bridge, Brooklyn, N. Y.**
National Spring Co., The, 689 Kent av, Brooklyn, N. Y.
**New York Wire & Spring Co., 588 Washington, New York**
Peck Spring Co., Plainville, Conn.
Pittsburgh Spring & Steel Co., Farmers **Bank bldg, Pittsburgh, Pa.**
**Railway Steel Spring Co., 30 Church, New York**
Reliance Spring Mfg. Co., Inc., 3910 2nd av, Brooklyn, N. Y.
**Springfield Spring Co., Springfield, O.**
**UNION SPRING & MFG. CO.,** 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Springs (Fish Plate)

**See Lock Nuts & Washers**

## 14016— Springs (Flat)

American Steel Spring Co., 2341 Keystone av, Chicago, Ill.
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
**BARNES, THE WALLACE CO.** ("Barnes Made," Small & of Every Description), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
**Cary Spring Works, 240 W 29th, New** York
Dunbar Bros Co. ("Dunbar Springs," Small for All Purposes), Bristol Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hubbard M. D. Spring Co., Pontiac, Mich.
Reliance Spring & Mfg. Co., Inc., 3910 2nd av, Brooklyn, N. Y.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14017—Springs (Friction Draft)

**See also Springs, Draft**

Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
**Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.**
Frost Railway Supply Co. ("Harvey"), Penobscot bldg, Detroit, Mich.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14018—Springs (Furniture & Upholstering)

American Steel Spring Co., 2341 Keystone av, Chicago, Ill.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Bridgeport Chain Co. (Miller Wire Spring Dept.), Bridgeport, Conn.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O.
*See adv index at end of book*
**Foster Bros. Mfg. Co., Utica, N. Y.**
**Jackson Cushion Spring Co., Jackson, Mich.**
Lewis-Weller Mfg. Co., Utica, N. Y.
**Miller & Van Winkle, 18 Bridge, Brooklyn,** N. Y.
New York Wire & Spring Co., 588 Washington, New York

SPRINGS (FURNITURE & UPHOLSTERING)—continued
Premier Spring Bed Co., 218 Utah, San Francisco, Cal.
Schwing R. I. Co., Inc., Plaquemine, La.
Snell Chas. W. Co. (Fibre Upholstery), 321 S Jefferson, Chicago, Ill.
**Staples & Hanford Co., Newburgh, N. Y.**
Trenton Spring Mattress Co., Trenton, N. J.
**Vincent-Alward Co., Kenosha, Wis.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Springs (Gate)

**See Springs, Door; also Spring, Coil or Spiral**

## 14019— Springs (Governor)

American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
**BARNES, THE WALLACE CO.** ("Barnes-Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Cuyahoga Spring Co., 10253 Berea rd, **Cleveland, O.**
*See adv index at end of book*
Dunbar Bros. Co. ("Dunbar Springs"), **Bristol, Conn.**
**Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.**
Jamestown Car Parts Mfg. Co., Jamestown, N. Y.
**Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.**
New York Wire & Spring Co., 588 Washington, New York
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.
**Railway Steel Spring Co., 30 Church, New York**
Reliance Spring & Mfg. Co., Inc., 3910 2nd av, Brooklyn, N. Y.
**Springfield Spring Co., Springfield, O.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Springs (Grain Drill)

**See Springs, Agricultural Implement**

## 14019a— Springs (Gun)

**BARNES, THE WALLACE CO.** ("Barnes Made" Wire, Flat & Milled), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14020— Springs (Hair)

Jamestown Car Parts Mfg. Co., Jamestown, N. Y.
Manross F. N. & Sons ("Manross" Non-Magnetic for Marine Clocks, Steam Gauges, Electrical Instruments, etc), Forestville, Conn.
Peck Spring Co., Plainville, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14021— Springs (Helical)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Bridgeport Chain Co. (Miller Wire Spring Dept.), Bridgeport, Conn.
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
**Cook Spring Co., 420 E 106th, New York**
**Crucible Steel Company of America, Oliver bldg, Pittsburgh, Pa.**
Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.
**Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa., & Hobart Bldg, San Francisco, Cal.**
Foster Bros. Mfg. Co., Utica, N. Y.
Jamestown Car Parts Mfg. Co., Jamestown, N. Y.
Manross F. N. & Sons, Forestville, Conn.
New York Wire & Spring Co., 588 Washington, New York
**Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.**
**Railway Steel Spring Co., 30 Church, New York**
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14022— *Springs (Hinge)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
**CUYAHOGA SPRING CO.,** 10253 Berea **rd, Cleveland, O.**
*See adv index at end of book*

## 14022a—*Springs (Ignition, Starting and Lighting)

**BARNES, THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*

## 14022b—Springs (Legging)

Reisner W. H. Mfg. Co., Hagerstown, Md.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Springs (Locomotive)

**See Springs, Car**

## 14023— Springs (Loom)

**BARNES, THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
**Disston Hy. & Sons, Tacony, Phila., Pa.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14024— Springs (Machinery)

**See also Springs, Agricultural Implement**
**American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.**
**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
**BARNES, THE WALLACE CO.** ("Barnes-Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Betts Spring Co., 888 Folsom, San Francisco, Cal.
**Cary Spring Works, 240 W 29th, New York**
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
**Cook Spring Co., 420 E 106th, New York**
**Crucible Steel Company of America, Oliver bldg, Pittsburgh, Pa.**
**CUYAHOGA SPRING CO.,** 10253 Berea **rd, Cleveland, O.**
*See adv index at end of book*
**Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.**
**Eureka Spring Co., 150 Bleecker, New York**
**Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.**
Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.
**Harrow Spring Co., Milwaukee, Wis.**
**Hebb Geo. A., 70 William, Newark, N. J.**
**Mattatuck Mfg. Co. (Small), Waterbury, Conn.**
**Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.**
New York Wire & Spring Co., 588 Washington, New York
Otter Mfg. Co., Inc. (Flat & Spiral), 243 W 17th, New York
**Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.**
**Railway Steel Spring Co., 30 Church, New York**
Sabin Machine Co., Montpelier, Vt.
Springfield Spring Co., Springfield, O.
Union Spring & Mfg. Co. (Coil), 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
**Vose Spring Co., 150 Bleecker, New York**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14025—Springs (Oil Tempered)

**American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.**
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York.
*See adv index at end of book*
**Cary Spring Works, 240 W 29th, New York**
Chatillion Jno. & Sons, 85 Cliff, New York
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.
**Cook Spring Co., 420 E 106th, New York**
**Crucible Steel Company of America, Oliver bldg, Pittsburgh, Pa.**
Cuyahoga Spring Co., 10253 Berea rd, **Cleveland, O.**
*See adv index at end of book*
**Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.**
**Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.**
Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.
Humason Mfg. Co., Forestville Station, Bristol, Conn.
*See adv index at end of book*
**Iron City Spring Co., 2920 Smallman, Pittsburgh, Pa.**
Jamestown Car Parts Mfg. Co., Jamestown, N. Y.
**Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.**
New York Wire & Spring Co., 588 Washington, New York
Otter Mfg. Co., Inc. (Flat & Spiral), 243 W. 17th, New York
**Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.**
Railway Steel Spring Co., 30 Church, New York
Reliance Spring & Mfg. Co., Inc., 2910 2nd av, Brooklyn, N. Y.
Sabin Machine Co., Montpelier, Vt.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14026— Springs (Organ)

American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.
**BARNES, THE WALLACE CO.** ("Barnes-Made"), Bristol, Conn.
*See adv index at end of book*
**Cary Spring Works, 240 W 29th, New York**
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
**Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.**
New York Wire & Spring Co., 588 Washington, New York
Peck Spring Co., Plainville, Conn.
Raymond Mfg. Co. (Ltd.), Corry, Pa.
Sabin Machine Co., Montpelier, Vt.
Waterbury Hair Spring Co., Waterbury, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14026a— Springs (Phonograph)

**BARNES, THE WALLACE CO.** ("Barnes-Made"), Bristol, Conn.
*See adv index at end of book*
Peck Spring Co., Plainville, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14027—Springs (Phosphor Bronze)

American Spiral Spring & Mfg Co., 56th A. V. R. R., Pittsburgh, Pa.
**BARNES, THE WALLACE CO.** ("Barnes-Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Cuyahoga Spring Co., 10253 Berea rd, **Cleveland, O.**
*See adv index at end of book*
**Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.**
Humason Mfg. Co., Forestville Station, Bristol, Conn.
*See adv index at end of book*
Reliance Spring & Mfg. Co., Inc., 3910 2nd av, Brooklyn, N. Y.
Springfield Spring Co., Springfield, Ohio
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14028—Springs (Pipe Bending)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co. ("Perfect"), 1281 E 38th, Cleveland, O.
Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.

New York Wire & Spring Co., 588 Washington, New York
Raymond Mfg. Co. (Ltd.), (Plumbers'), Corry, Pa.
Springfield Spring Co., Springfield, Ohio
Starbuck R. M. & Sons ("Starbuck"), Hartford, Conn.
**Vose Spring Co., 150 Bleecker, New York**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14029—Springs (Pop Valve)

American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
New York Wire & Spring Co., 588 Washington, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14030—Springs (Refrigerator Door)

Cary Spring Works, 240 W 29th, New York
National Refrigerator Co., 827 Koeln av, St. Louis, Mo.
New York Wire & Spring Co., 588 Washington, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14031— Springs (Rubber)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Canfield H. O. Co., Bridgeport, Conn.
Combination Rubber Mfg. Co. (Wagon, Car, etc), Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Elkhart Rubber Works, Elkhart, Ind.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Matteson Rubber Co., Lodi, N. J.
Mercer Rubber Co. (Car Cylinder, Wagon, etc.), Hamilton Sq, N. J.
National India Rubber Co., Bristol, R. I.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Plymouth Rubber Co., Canton, Mass.
Quaker City Rubber Co. (Car, etc), 629 Market, Phila., Pa.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Schacht Rubber Mfg. Co., Huntington, Ind.
Standard Woven Fabric Co., Walpole, Mass.
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 B'way, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 14032—Springs (Rubber Channeler)

Boston Belting Corp., 84 Linden Park, Boston, Mass.

## 14033—Springs (Screen Door)

Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O.
*See adv index at end of book*
Lawrence Bros., Sterling, Ill.
National Mfg. Co., Sterling, Ill.
New York Wire & Spring Co., 588 Washington, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14034— Springs (Small)

**AMERICAN STEEL & WIRE CO.,** Commercial Nat'l Bank bldg, Chicago, Ill.
*See adv index at end of book*
Automatic Wire Goods Mfg. Co., 13-15 Canal pl, New York
*See adv index at end of book*
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
**CUYAHOGA SPRING CO.,** 10253 Berea rd, Cleveland, O.
*See adv index at end of book*
D'Arcy Spring Co. (Cushion), Kalamazoo, Mich.
Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.
Eby H. H. Mfg. Co., S. W. cor. 13th & Wallace, Phila., Pa
*See adv index at end of book*
Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.
Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.
Girard Model Works, Girard, Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hubbard M. D. Spring Co., Pontiac, Mich.
Humason Mfg Co. (Spiral), Forestville Station, Bristol, Conn.
*See adv index at end of book*
Jackson Cushion Spring Co. (Seat & Back Springs), Jackson, Mich.
Manross F. N. & Sons (Hair), Forestville, Conn.
National Spring & Wire Co., Albion, Mich.
New York Wire & Spring Co., 588 Washington, New York
Otter Mfg. Co., Inc., 243 W 17th, New York
Peck Spring Co., Plainville, Conn.
Railway Steel Spring Co., 30 Church, New York
Reliance Spring & Mfg. Co., Inc., 3910 2nd av, Brooklyn, N. Y.
Springfield Spring Co., Springfield, Ohio
Trenton Spring Mattress Co., Trenton, N. J.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wing Chas. Co. (Cushion), Amesbury, Mass.

## Springs (Spiral)

See Springs, Coil or Spiral

## 14035—Springs (Steam Gauge)

Humason Mfg. Co., Forestville Station, Bristol, Conn.
*See adv index at end of book*
Manross F. N. & Sons (Hair), Forestville, Conn.
Peck Spring Co., Plainville, Conn.
Wells A. H. & Co. ("Bourdon"), Waterbury, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14036—Springs (Switch & Signal)

Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.
Humason Mfg. Co., Forestville Station, Bristol, Conn.
*See adv index at end of book*
New York Wire & Spring Co., 588 Washington, New York
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14037— Springs (Torsion)

**AMERICAN STEEL & WIRE CO.** (Round Wire, Square Steel, etc), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Automatic Wire Goods Mfg. Co., 13-15 Canal, New York
*See adv index at end of book*
**BARNES, THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
**CUYAHOGA SPRING CO.,** 10253 Berea rd, Cleveland, O.
*See adv index at end of book*
New York Wire & Spring Co., 588 Washington, New York
Reliance Spring & Mfg. Co., Inc., 3910 2nd av, Brooklyn, N. Y.
Springfield Spring Co., Springfield, O.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14038—Springs (Track Scraper)

Harrow Spring Co., Milwaukee, Wis.

## 14038a— Springs (Tractor)

Standard Parts Co., Cleveland, O.

## 14039— Springs (Trolley)

American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**BARNES, THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co. (Wire), 1281 E 38th, Cleveland, O.
Cook Spring Co., 420 E 106th, New York
Crucible Steel Company of America, Oliver bldg, Pittsburgh, Pa.
Eureka Spring Co., 150 Bleecker, New York
Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.
Gibson Wm. D. Co., 1800 Clybourn av, Chicago, Ill.
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
New York Wire & Spring Co., 588 Washington, New York
Nuttall R. D. Co., McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Vose Spring Co., 150 Bleecker, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Springs (Valve)

See Springs, Coil or Spiral

## 14040—Springs (Vanadium Steel)

**BARNES, THE WALLACE CO.** ("Barnes Made"), 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
Crucible Steel Co. of America (Agricultural Car, Coil, Draft, Elliptic, Helical, Oil Tempered, etc.), Oliver bldg, Pittsburgh, Pa.
**CUYAHOGA SPRING CO.,** 10253 Berea rd., Cleveland, O.
*See adv index at end of book*
Detroit Steel Products Co. (Automobile, etc), 2250 E Grand blvd, Detroit, Mich.
Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.
Gibson Wm. D. Co. (Small Spiral & Special), 1800 Clybourn av, Chicago, Ill.
Iron City Spring Co., 2920 Smallman, Pittsburgh, Pa.
Miller & Van Winkle (Small Spiral & Special), 18 Bridge, Brooklyn, N. Y.
New York Wire & Spring Co., 588 Washington, New York
Palmer Jos. (Automobile, Carriage, Wagon & Railroad), 333 Rutherford av, Boston, Mass.
Penn Spring Works (Automobile), Baldwinsville, N. Y.
Pittsburgh Spring & Steel Co. (Coil, Leaf, Locomotive, Car & Special), Farmers' Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co. (Ltd.) (Small Coil & Special), Corry, Pa.

SPRINGS (VANADIUM STEEL)—cont.
Rowland Wm. & Harvey (Inc.) (Automobile, etc.), Tacony & Lewis, Phila., Pa.
Springfield Spring Co., Springfield, O.
Standard Parts Co., The, Cleveland, O.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14041-2— Springs (Window)

Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O.
*See adv index at end of book*
Dunbar Bros. Co. ("Dunbar Springs"), Bristol, Conn.
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
New York Wire & Spring Co., 588 Washington, New York
**STANLEY WORKS ("Sweet's" & "Jenk's"), New Britain, Conn.**
*See adv index at end of book*
Tolman I. W. ("Spiral"), Worcester, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14043— Springs (Wire)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**AUTOMATIC WIRE GOODS MFG. CO.,** 13-15 Canal, New York
*See adv index at end of book*
**BARNES, THE WALLACE CO. ("Barnes-Made"),** 18 Wallace, Bristol, Conn.
*See adv index at end of book*
Bridgeport Chain Co. (Miller Wire Spring Dept.), (Brass, Bronze, Steel & Piano Wire), Bridgeport, Conn.
Cary Spring Works, 240 W 29th, New York
Chatillon Jno. & Sons (Cast Steel), 85 Cliff, New York
Cleveland Wire Spring Co. (Oil Tempered, etc), 1281 E 38th, Cleveland, O.
**COIL SPRING CO., INC.,** 103-105 Mott cor. Canal, New York
Cook Spring Co., 420 E 106th, New York
Crucible Steel Company of America, Oliver bldg, Pittsburgh, Pa.
**CUYAHOGA SPRING CO.,** 10253 Berea rd, Cleveland, O.
*See adv index at end of book*
Dellenbarger, C. E. Co., Joliet, Ill.
**Dunbar Bros. Co. ("Dunbar Springs," Clock, etc.), Bristol, Conn.**
**FISCHER CHAS. SPRING CO.,** 473 Kent av, Brooklyn, N. Y.
Fort Pitt Spring & Mfg. Co., Pittsburgh, Pa.
Foster Bros. Mfg. Co., Utica, N. Y.
Gardner Wire Co. (Coil, All Kinds Made From Round & Square Wire), 520 N, Parkside av, Chicago, Ill.
Gaynor Mfg. Co. (Spiral), Bridgeport, Conn.
Goetz Chas. & Co., 2548 S Kedzie av, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Illinois Spring & Stamping Co. (Spiral, etc), 2341 N Keystone av, Chicago, Ill.
Ludlow-Saylor Wire Co., Newstead av cor Wabash R. R., St. Louis, Mo.
Manross, F. N. & Sons (Hair), Forestville, Conn.
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
National Spring & Wire Co. ("Black Velvet" Cushion & Black Auto & Carriage, etc), Albion, Mich.
National Spring Co., The, 689 Kent av, Brooklyn, N. Y.
New York Wire & Spring Co., 588 Washington, New York
Peck Spring Co., Plainville, Conn.
Pittsburgh Spring & Steel Co., Farmers' Bank bldg, Pittsburgh, Pa.
Railway Steel Spring Co., 30 Church, New York
Raymond Mfg. Co. (Ltd.), Corry, Pa.
Reliance Spring & Mfg. Co., Inc., 3910 2nd av, Brooklyn, N. Y.
Sabin Machine Co., Montpelier Vt.
Springfield Spring Co., Springfield, O.
Standard Wire Spring Co., Cleveland, O.
Tuck Mfg. Co., Brockton, Mass.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Washburn Wire Co. (Clock, etc), Phillipsdale, R. I.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 14044—Sprinklers (Automatic Fire)

Associated Automatic Sprinkler Co. ("Associated"), 2216 Vine, Philadelphia, Pa.
Automatic Fire Alarm Co., 416 B'way, New York
Automatic Sprinkler Co. of America ("Manufacturers," "Niagara"), 122 William, New York
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Chicago Bridge & Iron Wks., 2105 Old Colony bldg, Chicago, Ill.
*See adv index at end of book*
Conran Standpipe Co., 305 Pearl, New York
Crowder Bros., 2013 Locust, St. Louis, Mo.
Daly M. J. & Sons (Engineers for Installation, etc.), Waterbury, Conn.
Esty Sprinkler Co., Laconia, N. H.
Fire Protection & Equipment Co., 23 Minna, San Francisco, Cal.
General Fire Extinguisher Co. ("Grinnell"), Providence, R. I.
Globe Automatic Sprinkler Co. ("Evans"), 2035 Washington av, Philadelphia, Pa.
Independent Sprinkler Co., Phila, Pa. (See Independent Aetna Sprinkler Co.)
International Sprinkler Co., 123 William, New York
Pacific Fire Extinguisher Co., 507 Montgomery, San Francisco, Cal.

**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Rhode Island Supply & Sprinkler Co., 156 West Exchange, Providence, R. I.
Rockwood Sprinkler Co. ("Rockwood Sprinkler Systems"), Worcester, Mass.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
U. S. Automatic Sprinkler Co., 1392 Lexington av, New York
Vogel H. G. Co. ("Esty"), 487 B'way, New York

## 14045— Sprinklers (Clothes)

Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.

## 14046— Sprinklers (Coal)

Franklin Railway Supply Co. (Railroad), 30 Church, New York
Nathan Mfg. Co., 416 E 106th, New York

## 14047-8—Sprinklers (Hose, Etc.)

Almirall & Co., 1 Dominick, New York
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Buckeye Iron & Brass Works, Dayton, O.
Buffum Tool Co. ("Swastika" Rose Head, for Hose), South Side, Louisiana, Mo.
Electric Hose & Rubber Co. ("Electric," "Improved Electric," "Mist," "Onoko," "Tamaqua," "Tarrapin"). 12th & Dure, Wilmington, Del.
Elkhart Brass Mfg. Co. ("Hoosier" & "Acme" & "Elk"), Elkhart, Ind.
Nelson, L. R. ("Crescent"), 1810 S Washington, Peoria, Ill.
Thompson Mfg. Co., Los Angeles, Cal.

## 14049— Sprinklers (Keg)

Danner Adam Co., Yonkers, N. Y.
Kaestner & Hecht Co., 500 Throop, Chicago, Ill.

## 14050— Sprinklers (Park)

Clow Jas. B. & Sons (Arm Revolving Spray, etc.), Franklin & Harrison, Chicago, Ill.
Reade & McKenna, 614 60th, B'klyn, N. Y.
**SPRAY ENGNG. CO.** ("Boston Giant"), 93 Federal, Boston, Mass.
*See adv index at end of book*

## 14051—Sprinklers (Plant, Rubber)

Davol Rubber Co., 69 Point, Providence, R. I.
Scolley John A., 74 Myrtle av, Brooklyn, N. Y.

"SPRACO"
Nozzles for Park Sprinklers.
SPRAY ENGINEERING CO.
93 Federal St., BOSTON, MASS.


## 14052— Sprinklers (Potato)

Aspinwall Mfg. Co., Jackson, Mich.
Peppler Thomas Son & Co., (Two Row), Highstown, N. J.
Potato Implement Co. (Compressed Air, Knapsack Powder Guns, etc), Traverse City, Mich.

## 14053— Sprinklers (Sand)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
American Seeding Machine Co., Springfield, O.
Haass Chas. & Co., 511 E 18th, New York

## Sprinkling Cars (Street Railway)

See Cars, Sprinkling, Street Railway

## 14053a—Sprockets (Compensating)

**MORSE CHAIN CO.,** Ithaca, N. Y.
*See adv index at end of book*

## 14054— Sprockets (High Speed Chain)

American High Speed Chain Co., 401 S Illinois, Indianapolis, Ind.
**GRANT GEAR WORKS,** Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
**LINK-BELT CO. ("Link-Belt"), 329 W** 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
**MORSE CHAIN CO** ("Morse"), Ithaca, N. Y.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Union Gear & Machine Co., Purchase, Boston, Mass.
Whitney Metal Co. ("Whitney"), Hartford, Conn.

## 14054a—*Sprockets (Manganese Steel)

Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

## 14055—Sprockets (Motor Cycle & Bicycle)

Grant Geor Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Great Western Mfg. Co., La Porte, Ind.
Hydraulic Pressed Steel Co., 3152 E 61st, Cleveland, O.
Parish & Bingham Co., Madison av & W 106th, Cleveland, O.

## 14056—Sprockets (Roller & Block Chain)

Brown-Lipe-Chapin Co., Syracuse, N. Y.
Colburn Gear & Mfg. Co., Inc., 85 Purchase, Boston, Mass.
*See adv index at end of book*
Cullman Wheel Co., 1346 Altgeld, Chicago, Ill.
**DIAMOND CHAIN & MFG. CO.,** Indianapolis, Ind.
Grant Gear Works, Pearl & Purchase, Boston, Mass.
*See adv index at end of book*
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry., Phila., Pa. *See adv index at end of book*
Union Chain & Mfg. Co., Seville, Ohio
Union Gear & Machine Co., 27 Purchase, Boston, Mass.

## 14056a—*Sprockets (Silent Chain)

**MORSE CHAIN CO.** Ithaca, N. Y.
*See adv index at end of book*

### 14056b—*Sprockets (Spring)

**MORSE CHAIN CO.** Ithaca, N. Y.
*See adv index at end of book*

### 14057— Spuds (Bark)

**American Axe & Tool Co., Glassport, Pa.**
American Logging Tool Co., Evart, Mich.
Ransome Concrete Machinery Co., Dunellen, N. J.
Romer Axe Co., Dunkirk, N. Y.
Warren Axe & Tool Co., Warren, Pa.
White G. Axe Co., Honesdale, Pa.

### 14058-9— Spuds (Closet)

Trenton Brass & Machine Co. ("Sanitas," "Eureka," "Maddock"), Trenton, N. J.

### 14060— Spuds (Lawn)

Union Fork & Hoe Co. (Steel Blade Dandelion), Columbus, O.
Wagner Mfg. Co. ("Wagner" Lawn Spud & Transplanter), Cedar Falls, Ia.

### 14061— Spurs (Horse)

Buermann August Mfg. Co., 220 Jeliff av, Newark, N. J.
Elbel Co., Canton, O.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.

### 14062—Spurs & Points (Ladder)

Auer John Jr. (Wrought Steel), 197 Middleton, Brooklyn, N. Y.
Safety First Supply Co., 107 Third av, Pittsburgh, Pa.

### 14063— Squares (Bevel)

Disston Henry & Sons, Tacony, Phila., Pa.
**STARRETT L. S. CO. THE,** Athol, Mass.
*See adv index at end of book*

### 14064— Squares (Caliper)

Brown & Sharpe Mfg. Co., Providence, R. I.
**STARRETT L. S. CO. THE,** Athol, Mass.
*See adv index at end of book*

### 14065— Squares (Center)

Brown & Sharpe Mfg. Co., Providence, R. I.
Goodell-Pratt Co., Greenfield, Mass.
**STARRETT L. S. CO. THE,** Athol, Mass.
*See adv index at end of book*

### 14066—Squares (Combination)

Athol Machine Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Challenge Cutlery Corporation ("Fox's"), Bridgeport, Conn.
Crookston Tool Co. ("A. B. C." Protector Square), Crookston, Minn.
Disston Hy. & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co. (Carpenters, etc), Greenfield, Mass.
Robinson M. W. Co. ("Rollis"), 296 B'way, New York
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. THE,** Athol, Mass.
*See adv index at end of book*
Union Tool Co., Orange, Mass.

### 14067—Squares (Iron & Steel)

Breul Fred G. ("Fox's" All Steel Carpenters'), Bridgeport, Conn.
Brown & Sharpe Mfg. Co. (Steel), Providence, R. I.
Cassady, Fairbank Mfg. Co. (Steel Only), 6126 S La Salle, Chicago, Ill
Columbia Steel Co., 503 Market, San Francisco, Cal.
Disston Hy. & Sons, Tacony, Phila., Pa.
Eagle Square Mfg Co. (Carpenters), S. Shaftsbury, Vt.
Elbel Co. (Halter & Bridle), Canton, Ohio
Forsyth Metal Goods Co. (Metal), E. Aurora, N. Y.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jennings C. E. & Co., 71 Murray, New York
Nicholls Mfg. Co. ("Eureka" Framing Take-Down, Ottumwa, Ia.
Peck, Stow & Wilcox Co., Southington, Conn.
Sargent & Co., New Haven, Conn.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
Simplex Tool Mfg. Co., Woonsocket, R. I.
Southington Hardware Co. (Carpenters), Southington, Conn.
Standard Steel & Wire Co., 549 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Stanley Rule & Level Co., New Britain, Conn.

### 14068—Squares (Machinists')

Brown & Sharpe Mfg. Co., Providence, R. I.
Disston Hy. & Sons (Inc.), Tacony, Phila., Pa.
Goodell-Pratt Co., Greenfield, Mass.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

### 14069— Squares (Protractor)

Crookston Tool Co. ("A-B-C"), Crookston, Minn.

### 14070-1—Squares (Rafter & Framing)

Sargent & Co., New Haven, Conn.

### 14072—Squares (Sliding Blade)

Goodell-Pratt Co., Greenfield, Mass.

### 14073— Squares ("T")

American Drafting Furniture Co. ("American" Automatic), 129 Mill, Rochester, N. Y.
Challenge Cutlery Corporation ("Fox's"), Bridgeport, Conn.
Deane E. L. Machine Co. ("Deane's), Holyoke, Mass.
Defiance Mfg. Co., 22 E. 41st, New York
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Disston Henry & Sons, Tacony, Phila, Pa.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Emmert Mfg. Co. ("Emmert" Vertical), Waynesboro, Pa.
Keuffel & Esser Co., Hoboken, N. J.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
**STARRETT L. S. CO. THE,** Athol, Mass.
*See adv index at end of book*
Welch T. F. Co. (Steel Blade), 55 Sudbury, Boston, Mass.

### 14074— Squares (Tailors')

Kerby & Bro., 51 Fulton, New York
Lufkin Rule Co., Saginaw, Mich.
Magee & Richards, 223 Grand, New York

### 14075—Squares (Take-Down)

Nicholls Mfg. Co. ("Nicholls"), Ottumwa, Ia.
Peck, Stow & Wilcox Co. ("P. S. & W. Samson"), Southington, Conn.
Southington Hardware Co. ("Standard"), Southington, Conn.

### 14076—Squares (Try & Mitre)

Atkins E. C. & Co., Indianapolis, Ind.
Brown & Sharpe Mfg. Co. (Try Only), Providence, R. I.
Challenge Cutlery Corporation ("Fox's"), Bridgeport, Conn.
Disston Henry & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co. (All Steel), Greenfield, Mass.
Nicholls Mfg. Co. (Bevel-Try), Ottumwa, Ia.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
S. & I. Co., Springfield, Mass.
Southington Hardware Co., Southington, Conn.
Stanley Rule & Level Co., New Britain, Conn.
**STARRETT L. S. CO. THE,** Athol, Mass.
*See adv index at end of book*

### 14077— Squeezers (Germ)

Love Brothers, Aurora, Ill.

### 14078— Squeezers (Lemon)

Arcade Mfg. Co. ("Arcade" Stationary, "Champion" Stationary, "Perfect" "Union," "Drum Pattern" & "X-Ray"), Freeport, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Estes E. B. & Sons (Wood), 364 5th av, New York *See adv index at end of book*
Fanning J. P. ("Fanning"), 678 Jefferson av, Brooklyn, N. Y.
Gilchrist Co. ("Linden," Aluminum, Porcelain & Wood), 236 Bank, Newark, N. J.
Giles & Nielsen Nickel Works ("Clipper"), Troy, N. Y.
Hart H. C. Mfg. Co. ("Easy"), Unionville, Conn.
Hills Edwin, Plainville, Conn.
Landers, Frary & Clark ("Little Giant," "Crown" & "L. F. C."), New Britain, Conn.
Nicol & Co. ("World's Fair"), 218 N Jefferson, Chicago, Ill.
Parker Chas. Co., Meriden, Conn.
Redlich Mfg. Co., (Aluminum Wooden Bowl and All Wood), 637 to 647 W Oak, Chicago, Ill.
*See adv index at end of book*
Richardi & Bechtold (Wood), Bellaire, Mich.
Rocky Hill Hardware Co. ("Leader"), Rocky Hill, Conn.
Silver & Co. (Aluminum & Glass, etc), 304 Hewes, Brooklyn, N. Y.
Sommer John Faucet Co. (Wooden, etc), 30 Morris av, Newark, N. J.
Stover Mfg. & Engine Co., Freeport, Ill.
Taplin Mfg. Co. ("Victor"), New Britain, Conn.
Tucker & Dorsey Mfg. Co. (Wooden), Indianapolis, Ind.
Union Porcelain Works (Iron Frame, Porcelain Ball & Bowl), 300 Eckford, Brooklyn, N. Y.
Walker C. L. & Co. ("Quick & Easy," "Walker's" also Lime), 656 W 12th, Erie, Pa.
Williams A. C. Co. ("Pearl," "Boss," "Ideal," "Model," "Wallace"), Ravenna, O.
Wrightsville Hardware Co. ("L. & S. I. Co.," "Brighton"), Wrightsville, Pa.

### 14078a—*Squeezers (Puddle Ball)

Philadelphia Roll & Machine Co., 25th & Washington, Phila, Pa.

### 14079— Squeezers (Rotary)

Danville Foundry & Machine Co., Danville, Pa.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
National Roll & Foundry Co., Avonmore, Pa.
United Eng'ng & Fdry. Co., Keenan bldg, Pittsburgh, Pa.

### 14080-1—Squibs (Electric)

See also Blasting Supplies

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*
**HERCULES POWDER CO.** (Powell's" & "D. & B."), Wilmington, Del.
*See adv index at end of book*

### 14082— Squibs (Miners')

See also Blasting Supplies

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Blue Label Safety Squib Co., Plymouth, Pa.
Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*
**HERCULES POWDER CO.** ("D. & B."), Wilmington, Del.
*See adv index at end of book*
Howells Mining Drill Co., Plymouth, Pa.
Jones T., R. Co. ("Sire-Shot"), Wilkes-Barre, Pa.
Miners' Supply Co. ("Daddow & Beadles"), St. Clair, Schuylkill Co., Pa.
Powell Jno. R. ("Powell"), Plymouth, Pa.
Star Electric Fuse Works ("Star" Electric), Wilkes-Barre, Pa.

### 14083—Stabilizer (Ship & Aeroplane)

Green Aeronautical Co., Elyria, O.
Sperry Gyroscope Co., 40 Flatbush av extension, Brooklyn, N. Y.

## 14084— Stable Fixtures

Those who Manufacture a Full Line, such as Stalls, etc, are indicated by a §

Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.

Barber Mfg. Co. (Cast Iron Feed Boxes, Cesspools, Hay Racks, etc), Ashtabula, O.

Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.

Broad Gauge Iron Works, 77 Port, Boston, Mass.

§Buch's A. Sons Co. (Make Full Line), Elizabethtown, Pa.

**Buffalo Wire Works Co., 453 Terrace, Buf**falo, N. Y. *See adv index at end of book*

Casey-Hedges Co. (Cast Iron), Chattanooga, Tenn.

Central Foundry Co. (Cast Iron Feed Boxes, Hay Racks, Drains, etc), 90 West, New York

Chapman Wm. O. Co., 30 Church, New York

§Cheney S. & Son (Hay Racks, Mangers, etc.), Manlius, N. Y.

Chesapeake Iron Works, Westport, Baltimore, Md.

Columbia Iron & Wire Works Co., Canton, Ohio

Creswell Samuel J. Iron Works, 23d & Cherry, Phila, Pa.

§FISKE J. W. IRON WORKS, 111 Park pl, New York

Ginther's J. Sons Co., Buffalo, N. Y.

Glor Bros. & Willis Mfg. Co., Attica, N. Y.

Glenn Fred E. (Cesspools, Gutters, etc), St. Charles, Ill.

Harriman Mfg. Co. (Full Line), Harriman, Tenn.

Hickey M. H., 36 W Randolph, Chicago, Ill.

Hitzeroth Edward, 3124 Market, Phila., Pa.

James Mfg. Co. ("James" Steel), Fort Atkinson, Wis.

§Jones Willis H., Utica, N. Y.

Libby C. A. Co., (Horse Stalls), Oshkosh, Wis.

Loewer John E. Co., Wire & Iron Works, 914 Campbell, Kansas City, Mo.

McLaren Iron Works Co., Cleveland, O.

Meyers Fred. J. Mfg. Co., Hamilton, O. *See adv index at end of book*

Mitchell Mfg. Co., Milwaukee, Wis.

§Mott J. L. Iron Works, Trenton, N. J.

National Iron & Wire Co., Cleveland, O.

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

Plocher Andrew Sons Co., Dayton, O.

Quick & Thomas Co., Auburn, N. Y.

Rockford Steel Fixture Co. (All Steel Sanitary), Rockford, Ill.

§Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*

§Smyser-Rover Co., York, Pa.

Southwest Wire & Iron Works Co., Kansas City, Mo.

Stevens Iron Works & Fireproofing Co., Cleveland, O.

Swett A. L. Iron Works, 145 Glenwood av, Medina, N. Y.

Vulcan Iron Works, Francisco & Kearny, San Francisco, Cal.

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

Wisconsin Iron & Wire Wks., Milwaukee, Wis.

Youngstown Wire & Iron Co., Youngstown, O.

## 14085—Stable or Stall Floors

Compressed Wood Preserving Co., Spring Grove & Station avs, Winton pl, Cincinnati, O.

Fleming & Co. (Adamantine Clinker Brick), 253 B'way, New York

Kettle River Co., Madison, Ill.

Schouler Cement Construction Co. (Sanitary), 154 Frelinghuysen av, Newark, N. J.

Smith F. P. Wire & Iron Works ("Smith" Improved Stall), 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*

## 14086— Stackers (Alfalfa)

Emerson-Brantingham Co. ("E. B." Swinging & Overshot), Rockford, Ill.

Hay Tool Mfg. Co., Council Bluffs, Ia.

International Harvester Company of America (Inc.), (Deering-McCormick-International), Harvester bldg, Chicago, Ill.

Whitnall Co., Plainville, Conn.

## 14087— Stackers (Hay)

Acme Harvesting Machine Co., Peoria, Ill.

Anderson Co., 2324 University av, St. Paul, Minn.

Barley Thos. K., Sedalia, Mo.

Clippinger A. B. & Son Mfg. Co., Kansas City, Kans.

Dain Mfg. Co. (Automatic), Ottumwa, Ia.

Emerson-Brantingham Co. ("E. B," Swinging & Overshot), Rockford, Ill.

Fleming & Sons Mfg. Co. (Swinging), Huntsville, Mo.

Garden City Feeder Co. ("Pella"), Pella, Iowa

Harrison Machine Works (Pneumatic), Belleville, Ill.

International Harvester Company of America (Inc.), (Deering-McCormick-International), Harvester bldg, Chicago, Ill.

Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.

Kansas City Hay Press Co., Kansas City, Mo.

Kouns Wesley, Salina, Kans.

Louden Machinery Co., Fairfield, Iowa

O'Neil T. L. ("Lewis"), Marseilles, Ill.

Orndorff O. F. Council Bluffs, Iowa

Plattner Yale Mfg. Co., Lincoln, Neb.

Stalcup E. L., Unionville, Mo.

Superior Hay Stacker Mfg. Co., Linneus, Mo.

Swanson Plow Co., Muskogee, Okla.

Walker Mfg. Co., Council Bluffs, Ia.

Wyatt F. Mfg. Co. ("Jayhawk"), Salina, Kan.

## 14088— Stackers (Lumber)

Filer & Stowell Co. (Automatic for Stacking Lumber on Tram Cars for Dry Kilns), Milwaukee, Wis.

Soule Steam Feed Works, Meridian, Miss.

## 14089— Stackers (Paper)

Erie Lay Boy Co. ("Lay Boy"), Erie, Pa.

Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*

## 14090— Stacks (Book)

See also Library Shelving & Fittings, Metallic

Art Metal Construction Co. (Bracket, Library Steel), Jamestown, Pa. *See adv index at end of book*

Snead & Co. ("Snead" Metallic Library Standard & Bracket), Jersey City, N. J.

## 14091— Stacks (Steel)

See also Chimneys, Various Kinds; also Boilers, Tubular

Abendroth G. Irving Co. (Inc.), 10 E 43d, New York

Allen Wm. Sons Co., Worcester, Mass.

Allentown Boiler Works, Allentown, Pa.

American Bridge Co., 30 Church, New York

Baltimore Dry Dock & Ship Bldg. Co., Ft. East Fort av, Baltimore, Md.

Bartlett, Hayward Co., Scott & McHenry, Baltimore, Md.

Beckley Perforating Co., Garwood, N. J.

BEGGS JAMES & CO., 30 Warren, New York. *See adv index at end of book*

Bichler Mfg. Co., St. Joseph, Mo.

BIGGS BOILER WORKS CO., Case av & Williams, Akron, O. *See adv index at end of book*

Blaw Knox Co., Freeport rd, Hoboken, Pa.

Bridgeport Boiler Works Co., Bridgeport, Conn.

Bros Wm. Boiler & Mfg. Co., Nic. Island, Minneapolis, Minn.

Buckeye Boiler Co., Dayton, O.

California Boiler Works, 526 Howard, San Francisco, Cal.

Cambridge Iron Works, Cambridge, Mass.

Casey-Hedges Co. (Self Supporting, Guyed, etc), Chattanooga, Tenn.

Cathell Bros. & Co., Lawrence & E Fort av, Baltimore, Md.

Central Boiler Works, 1297 Russell, Detroit, Mich.

Chattanooga Boiler & Tank Co., Chattanooga, Tenn.

CHICAGO BRIDGE & IRON WORKS (Self-Supporting), 2105 Old Colony bldg, Chicago, Ill. *For branch offices see adv index at end of book*

Coast Culvert & Flume Co., Portland (Kenton Sta.), Oregon. *See adv index at end of book*

COATESVILLE BOILER WORKS, Coatesville, Pa.

Codd E. J. Co., 700 So. Caroline, Baltimore, Md.

Cole R. D. Mfg. Co., Newnan, Ga.

Columbia Boiler Works, Columbia, Pa.

Columbian Steel Tank Co., New England bldg, Kansas City, Mo.

Columbiana Boiler Co., Columbiana, O.

Columbus Steam Boiler & Heater Co., Columbus, O.

Connellsville Iron Works, Connellsville, Pa.

Connelly D. Boiler Co. (Self-Supporting), Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.

Connery & Co., 2d & Luzerne, Phila., Pa.

Cox & Sons Co., 5th & Chestnut, Phila., Pa. Works, Bridgeton, N. J.

Crook H. E. Co., Inc., 28 Light, Baltimore, Md.

Decatur Novelty Wks, Decatur, Ill.

Delany P. & Co., Newburgh, N. Y.

DOVER BOILER WORKS, Sales Office, 40 Church, New York (Self-Supporting & Guyed); Works, Dover, N. J. *See adv index at end of book*

Downingtown Iron Works, East Downingtown, Pa.

Drake-Williams-Mount Co., Omaha, Neb.

East Jersey Pipe Corp., Paterson, N. J.

Erie City Iron Works, Erie, Pa.

Ervien Chas. W. & Co., Verango & G., Phila., Pa.

FABRICATED STEEL PRODUCTS CORP., Box 505, Leetonia, Ohio *See adv index at end of book*

Fair Haven Foundry & Machine Co. (Inc.), Fair Haven, Vt.

Fargo Foundry Co., Fargo, N. D.

Farrar & Trefts, Inc., Buffalo, N. Y. *See adv index at end of book*

Franklin Machine & Steam Boiler Wks., 88 Quay, Brooklyn, N. Y.

Finch Mfg. Co., Scranton, Pa.

Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.

Franklin Machine & Steam Boiler Wks., 21 Franklin, Brooklyn, N. Y.

Freeman Mfg. Co., Racine, Wis.

Frick Grate Bar Co. (Self-Supporting), 421 Chestnut, Phila., Pa.

Geneva Boiler Works, Geneva, N. Y.

GODFREY-KEELER CO., 70 Warren, New York *See adv index at end of book*

Gogebic Steam Boiler Works, Duluth, Minn.

Goldner Henry Boiler & Tank Wks, Water & Muffin, Phila., Pa.

Graver Corp., East Chicago, Ind. *See adv index at end of book*

Graves & Marshall Co., Dayton, Ohio.

DOVER BOILER WORKS
TANKS and STACKS
INDUSTRIAL PLATE WORK REQUIREMENTS
Sales Office: 40 Church Street, New York Works: Dover, N. J.

**GRISCOM-RUSSELL CO.** (Boiler), 92 West, New York
*See adv index at end of book*
Gussett Boiler Wks, 1140 Marion av, S. W., Canton, O.
**Hamburg Boiler Works, Hamburg, Pa.**
**Hamler Boiler & Tank Co.** (Self-Supporting), 3906 S Halsted, Chicago, Ill.
**Hammond Iron Works** (Self-Supporting), Warren, Pa. *See adv index at end of book*
**Harlan & Hollingsworth Corp., ft West, Wilmington, Del.**
**Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.**
Hartley Boiler Works (Self-Supporting), Montgomery, Ala.
**Heggie James G. & Sons, Joliet, Ill.**
**Heil Co.** (Self-Supporting, also Welded), 26th & Montana avs, Milwaukee, Wis.
Heilman Boiler Works, Allentown, Pa.
**HEINE SAFETY BOILER CO.,** 5319 Marcus av, St. Louis, Mo.
**Hendrick Mfg. Co., Carbondale, Pa.**
Hennessy Dennis, Syracuse, N. Y.
**Hibben & Co., 9376 Ewing av, Chicago, Ill.**
Heltzel Steel Form & Iron Co., Warren, O.
**HOLMES ROBT. & BROS.,** Danville, Ill.
*See adv index at end of book*
**Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.**
**International Boiler Wks. Co., East Stroudsburg, Pa.**
**International Engng. Wks., Framingham, Mass.**
**Iowa Steel & Iron Works, Cedar Rapids, Iowa**
**Jarvis Engine & Machine Works, Lansing, Mich.**
**Joubert & Joslin Machine & Foundry Co., Birmingham, Ala.**
**Kansas City Structural Steel Co., Kansas City, Mo.**
**Kaw Boiler Works Co., Kansas City, Kans.**
**Keeler E. Co.** (Self-Supporting), **Williamsport, Pa.**
**Kehoe Iron Works, Savannah, Ga.**
**Kelker Blower Co., 2883 Fillmore av, Buffalo, N. Y.**
**Kellogg M. W. Co., 90 West, New York**
*See adv index at end of book*
**Kelly Foundry & Machine Co., Goshen, Ind.**
**Kewanee Boiler Co., Kewanee, Ill.**
**King Bridge Co., Cleveland, O.**
**King F. E. Co., Norfolk, Va.**
**Kittoe Boiler & Tank Co.** (Inc.), **Canton, Ohio**
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.**
*See adv index at end of book*
**Kries Henry A. & Sons Co., 8 W Lombard, Baltimore, Md.**
**Lacy Mfg. Co., Los Angeles, Cal.**
**Lake Shore Engine Works, Marquette, Mich.**
**Lancaster Iron Works, Lancaster, Pa.**
**Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.**
**Lebanon Boiler Works, Lebanon, Pa.**
**Leslie Elliott & Co., Paterson, N. J.**
**Lewis H. B., Ferry av & G. T. Ry, Detroit, Mich.**
**Lindsay W. W. & Co., Harrison bldg, Phila., Pa.**
**Littleford Bros., 444 E Pearl, Cincinnati, Ohio**
**Logan Iron Works, 54 Commercial, Brooklyn, N. Y.**
**Long Walter Mfg. Co., 1312 Muriel, Pittsburgh, Pa.**
**Lookout Boiler Mfg. Co., Chattanooga, Tenn.**
**McDermott Engineering Co., Allentown, Pa.**
**McNamara Bros. Co., Westport, Baltimore, Md.**
**McNaull Boiler Mfg. Co., Toledo, O.**
**McNeil Boiler Co., 96 Crozier, Akron, O.**
**McNeil Jas. & Bro. Co., Pittsburgh, Pa.**
**Manitowoc Boiler Wks., Manitowoc, Wis.**
**Marinette Boiler Wks., Marinette, Wis.**
**Martin Metal Mfg. Co., Wichita, Kans.**
**Meehan Boiler & Construction Co.** (Self-Supporting), **Lowellville, O.**
**Meyer Otto C. & Co., 30 Franklin, Brooklyn, N. Y.**
**Milwaukee Boiler Co., 220 Oregon, Milwaukee, Wis.**
**Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.**
**Missouri Boiler & Sheet Iron Works, 23d & Paplin, St. Louis, Mo.**
**Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.**
**Muncie Boiler & Sheet Iron Wks.** (Smoke), **Muncie, Ind.**
**Munroe R. & Sons Mfg. Co.** (Iron Also), **23rd & Smallman, Pittsburgh, Pa.**
**Murray Iron Works Co., Burlington, Ia.**
**Muskegon Boiler Works** (Self-Supporting), **Muskegon, Mich.**
**Nashville Bridge Co., Nashville, Tenn.**
**National Boiler & Sheet Iron Works, Indianapolis, Ind.**
**National Iron Works, Berlin & Beaufait, Detroit, Mich.**
**Nebraska Culvert & Mfg. Co., Wahoo, Neb.**
**Newbold R. S. & Son Co., Norristown, Pa.**
**New England Iron Works Co., Summer, Boston, Mass.**
**Northern Boiler & Structural Iron Works, Appleton, Wis.**
**Novelty Steam Boiler Works, 917 S Howard, Baltimore, Md.**
**O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.**
**Ohio Machine & Boiler Co.** (Self-Supporting), **1501 University rd, Cleveland, O.**
**Oil City Boiler Works, Oil City, Pa.**
**Oldman Boiler Works, 38 Illinois, Buffalo, N. Y.**
**Omaha Steel Works, Omaha, Neb.**
**Osborne Machine Co., Dubois, Pa.**
**Pennsylvania Boiler Works, Erie, Pa.**
**Petroleum Iron Works Co.** (Self-Supporting & Guyed), **Sharon, Pa.**
**Petty J. K. & Co.** (Lebanon Boiler Works, Self-Supporting), **Stephen Girard bldg, Phila, Pa. Works: Lebanon, Pa.**
**Phoenix Iron Works Co., Meadville, Pa.**
**Pinkerton Rachael (Est. of) Green Island, N. Y.**
**PITTSBURGH-DES MOINES STEEL CO.** (Self-Supporting), **4th & Ross, Pittsburgh, Pa.** *See adv index at end of book*
**Pollock Wm. B. Co., Youngstown, O.**
**Prospect Boiler Co., New Brunswick, N. J.**
**Quaker City Iron Works** (Self-Supporting, etc), **Tioga & Richmond, Phila., Pa.**
**Reeves Bros. Co., The** (Self-Supporting), Alliance, O.
*See adv index at end of book*
**Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.**
**Republic Iron & Steel Co., Leader-News bldg, Cleveland, O.**
**Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.**
**Riter-Conley Co.** (Self-Supporting), **Oliver bldg, Pittsburgh, Pa.**
**Roberts Iron Works Co., Cambridge, Mass.**
**Rock Island Bridge & Iron Works, Rock Island, Ill.**
**Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.**
**Ruggles-Coles Engineering Co., 50 Church, New York**
**St. Paul Boiler & Mfg. Co., Water & Walter, St. Paul, Minn.**
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*
**Scannell Boiler Works, Lowell, Mass.**
**Schmeling & Alter, Fort Wayne, Ind.**
**Schmook Harry B., Springfield, Mo.**
**Schofield's J. S. Sons Co.** (Self-Supporting), **Macon, Ga.**
**Sharkey & Peck, 2433 W 18th, Chicago, Ill.**
**Smith Samuel & Son Co., Paterson, N. J.**
**Sotter Bros., Pottstown, Pa.**
**South Bend Spark Arrester Co., South Bend, Ind.**
**Southern Boiler & Tank Works, Memphis, Tenn.**
**Southern Engine & Boiler Mfg. Co., Jackson, Tenn.**
**Sprenger Joseph & Sons, 1186 W Jefferson av, Detroit, Mich.**
**Springfield Boiler Co., Springfield, Ill.**
**Stafford Wright & Son, Lawrence, Mass.**
**Standard Boiler & Plate Iron Co., Niles, O.**
**Standard Boiler Works, Seattle, Wash.**
**Standard Sheet Metal Mfg. Co., Washington, Pa.**
**Standard Tank Co., 15 Park Row, New York**
**Steacy-Schmidt Mfg. Co., York, Pa.**
**Stebbins Wallace & Sons, 100 S Charles, Baltimore, Md.**
**Stern Foundry & Machinery Co., 1630 Annunciation, New Orleans, La.**
**Stolz Jos. & Son, Inc., 841 E 136th, New York**
**Strandwitz & Scott, Camden, N. J.**
**Taylor Iron Works & Supply Co., Macon, Ga.**
**THROPP'S JNO. E. SONS CO., ft of Lewis, Trenton, N. J.**
*See adv index at end of book*
**Tippett & Wood, Phillipsburg, N. J.**
**Tofte Boiler & Sheet Iron Works, Houston, Texas**
**Tomahawk Steel & Iron Works** (Self-Supporting), **Tomahawk, Wis.**
**Topeka Steam Boiler Works, Topeka, Kan.**
**Traylor Engng. & Mfg. Co., Allentown, Pa.** *See adv index at end of book*
**Treadwell Construction Co.** (Self-Supporting), **Midland, Pa.**
**Treadwell M. H. Co., 140 Cedar, New York**
**Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.**
**Tulsa Boiler & Mach. Co., Tulsa, Okla.**

CLASSIFICATIONS which are marked thus (*) are not Standard Classifications and are only used for those concerns who advertise or pay for Bold Face Listings. Other concerns in similar lines of business will always be found under the Standard Classifications.

STACKS (STEEL)—continued

Turl Iron & Car Co. (Inc.), (The), 50 Broad, New York. Works: Newburgh, N. Y.
Union Boiler & Mfg. Co., Lebanon, Pa.
Union Iron Works, Erie, Pa.
Union Iron Works, Hoboken, N. J.
United Boiler Heating & Foundry Co., Hammond, Ind.
Utica Steam Engine & Boiler Works, Utica, N. Y.
Vance Jas. R. (Boiler Mfrs), Geneva, N. Y.
Vance & Baker Mfg. Co., Muscatine, Ia.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Virginia Bridge & Iron Co., Roanoke, Va.
Vogt Henry Machine Co., Inc., Louisville, Ky.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Boiler & Iron Works, Springfield, Mass.
Warren City Tank & Boiler Co., Warren, Ohio
Waterloo Mfg. Co., Waterloo, Ia.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Iron & Foundry Co., Wichita, Kans.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wetherill Robt. & Co. (Self-Supporting), Chester, Pa.
Wholey Boiler Works, 95 Whipple, Providence, R. I.
Wickes Boiler Co., Saginaw, Mich.
**Wisconsin Bridge & Iron Co., (Self-Supporting) No. Milwaukee, Wis.**
Young Bros. Co., 666 Mack, Detroit, Mich.

## 14092— Stadia Surveying

Gurley W. & L. E. ("Beaman" Stadia Arc, etc), Troy, N. Y.

## 14093— Stages (Lineman's)

Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Dicke Tool Co., Downers Grove, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.

## 14094— Stain Removers

Wolf, Jacques & Co., Passaic, N. J.

## 14095— Stains (Leather)

Boston Leather Stain Co., 109 Purchase, Boston, Mass.
Dennehy Bros., Brockton, Mass.

## Stair Builders (Iron)

See Iron Stair Builders

## 14096— Stair Builders' Supplies

(Stair Rails Balusters, Newel Posts, etc)

American Sash and Door Co. (Wholesale Mfrs), Kansas City, Mo.
American Wood Working Co., 4345 Wabansia av, Chicago, Ill.
Bering Mfg. Co. (Pine & Cypress, Wholesale Mfrs), Houston, Tex.
Bossert Louis & Son, 1335 Grand, Brooklyn, N. Y.
Brockway-Smith Corp'n, 98 Canal, Boston, Mass.
Carr, Ryder & Adams Co., Dubuque, Ia.
Carr & Baal Co., Des Moines, Ia.
Carter Mfg. Co. (Stairs Only, Wholesale Mfrs.), Keokuk, Ia.
Chicago Millwork Supply Co. (Wholesale Mfrs.),1404 W 37th, Chicago, Ill.
Curtis Bros. & Co. (Wholesale), Clinton, Ia.
Curtis, Towle & Paine Co. (Wholesale Mfrs.), Lincoln, Neb.
Curtis & Yale Co. (Wholesale Mfrs.), Wausau, Wis.
Dickey A. & Co., 37 Bristol, Boston, Mass.
Dixon Lumber & Millwork Co., Weldon, N. C.
East Tacoma Mfg. Co. (Whol.), Tacoma, Wash.
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gauger Jno. A. & Co. (Wholesale Mfrs.), 1434 W 22d, Chicago, Ill.
Gordon, Vantine & Co., Davenport, Ia.
Gould Mfg. Co. (Wholesale), Oshkosh, Wis.
Gray's Harbor Commercial Co. (Wholesale Mfrs.), ft of 3rd, San Francisco, Cal.
Hafner Mfg. Co. (Wholesale), Main & Dock, St. Louis, Mo.
Huttig Mfg. Co. (Wholesale Mfrs.), Muscatine, Iowa
Huttig Mill Wk. Co., Kansas City, Mo.
Hyde-Murphy Co., Ridgway, Pa.
Lecontour Bros. Stair Mfg. Co., 4523 Shaw, av, St. Louis, Mo.
Leuckel A. K. & Co., Trenton, N. J.
Loetscher & Burch Mfg. Co., Des Moines, Ia.
Lord Lumber Co., La Grange, Ill.
McMillen R. Co. (Wholesale Mfrs.), Oshkosh, Wis.
Missouri Stair Co. (Wholesale Mfrs.), 4205 Forest Pk. blvd, St. Louis, Mo.
Morgan Co. (Wholesale Mfrs.), Oshkosh, Wis.
Nelson Lumber & Mfg. Co., 372 Dublin av, Columbus, O.
Paine Lumber Co., Ltd. (Wholesale Mfrs., for the Trade Only), Oshkosh, Wis.
Radford Sash & Door Co. (Wholesale Mfrs.), 1827 Prairie av, Chicago, Ill.
Roberts Sash & Door Co. (Wholesale Mfrs.), 920 W 20th, Chicago, Ill.
Rockwell Mfg. Co. (Wholesale Mfrs.), 572 Park, Milwaukee, Wis.
St. Louis Sash & Door Works (Wholesale Mfrs.), B'way & Destrehan, St. Louis, Mo.
Salisbury Wood Working Co., Salisbury, Md.
Starkweather R. R. Co. (Wholesale Mfrs.), Oshkosh, Wis.
**STEARNS A. T. LUMBER CO.**, 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Williams & Hunting Co., Cedar Rapids, Ia.
Zimmerman Chas. E., Syracuse, N. Y.

## 14097— Stair Corners

Berbecker & Rowland Mfg. Co., (Brass), Waterville, Conn.
Painesville Metallic Binding Co. (Brass & Zinc), Painesville, O.
Weber-Knapp Co. (Cast Brass), Jamestown, N. Y.

## 14098— Stair Nosing

American Mason Safety Tread Co. (Brass Delta Metal), Lowell, Mass.
Braun J. G., 609 S Paulina, Chicago, Ill.
**DAHLSTROM METALLIC DOOR CO.** (Cold Drawn, Any Metal), 413 Buffalo st, Jamestown, N. Y.
*See adv index at end of book*
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Howell F. R. Brass Works (Brass), 122 N Franklin, Phila., Pa.
Hungerford U. T. Brass & Copper Co. (Brass & Zinc), 80 Lafayette, New York
Knapp Rubber Binding Co. ("Antislippin" Rubber), 31 E 17th, New York
McKenna Brass & Mfg. Co., Inc., 1st av & Ross, Pittsburgh, Pa.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
New York Belting & Packing Co. (Rubber & Metal), 91 Chambers, New York
Painesville Metallic Binding Co. (Brass & Zinc), Painesville, Ohio
St. Louis Brass Mfg. Co., Jefferson & Washington, St. Louis, Mo.
Stolz Jas. & Son, Inc., 841 E 136th, New York
Universal Safety Tread Co. (Safety Treads), Waltham, Mass.
Zenite Metal Co. ("Alite"), Indianapolis Ind.

## 14099—Stair Rails (Brass & Bronze)

Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 14100—Stair Risers (Sheet Steel)

Empire Art Metal Co., Inc., College Point, L. I., N. Y
Holzer R. G. (Est. of) (Also Treads), 317 Burgundy, New Orleans, La.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Penn Metal Co. ("Penco"), 65 Franklin, Boston, Mass.
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Standard Steel Sections, Inc., 608 E 133rd, New York.**

## 14101—Stair Treads (Brass)

**AMERICAN MASON SAFETY TREAD CO.**, Lowell, Mass.
Manhattan Brass Co., 332 E 28th, New York
Newman Mfg. Co., 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Ryerson J. T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Universal Safety Tread Co. (Lead Filled), Waltham, Mass.
Waterbury Brass Goods Corporation, Waterbury, Conn.

## 14102-3—Stair Treads (Cast Iron)

Canton Foundry & Machine Co., Canton, O.
Cheney S. & Son, Manlius, N. Y.
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
*See adv index at end of book*
Mesker Bros. Iron Co., 421 S 6th st, St. Louis, Mo.
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Swett A. L. Iron Works, Medina, N. Y.
Woonsocket Mach. & Press Co. ("Rockdale Mills," Corrugated), Woonsocket R. I.

## 14104-5—Stair Treads (Lead Filled)

American Mason Safety Tread Co., Lowell, Mass.
Universal Safety Tread Co. (Also Alundum), Waltham, Mass.

## Stair Treads (Rubber)

See Mats & Matting, Rubber

## 14106—Stair Treads (Safety)

American Abrasive Metals Co. ("Feralun" Metal), 50 Church, New York
**AMERICAN MASON SAFETY TREAD CO.** ("Mason" & "Stanwood"), Lowell, Mass.
Concrete Steel Co. ("Sanitread") 42 Broadway, New York
Euclid Stone & Brick Co. ("Non-skid" av, Chicago, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Victor Rubber Co., Springfield, Ohio

## 14106a—Stair Treads (Soapstone)

Alberene Stone Co., 223 E 23d, New York

## 14107— Stair Treads (Wrought Steel)

**AMERICAN MASON SAFETY TREAD CO.** (Lead or Carborundum), Lowell, Mass.
Braun J. G., 609 S Paulina, Chicago, Ill.
Keystone Steel Co. ("Kesco" Diamond Ribbed & Checkered Pattern), Warren, Pa.
Mesker Bros. Iron Co., 421 S 6th st, St. Louis, Mo.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Standard Steel Sections, Inc., 608 E 133rd, New York
Trusen Steel Co., Youngstown, O.

## 14108— *Stair Treads & Risers ("Dahlstrom")

**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo st, Jamestown, N. Y.
*See adv index at end of book*

## 14109— Stairs (Fireproof)

Bethlehem Fabricators Inc., Bethlehem, Pa.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Hanke Iron & Wire Works, 800 N Albany av, Chicago, Ill.
*See adv index at end of book*
Hughes-Keenan Co. (Presssed Steel), Mansfield, O.
Republic Structural Iron Works Co., E. 53d & Lakeside av, Cleveland, O.
Vilsack Martin Co., 3222 Penn av, Pittsburgh, Pa.
Winslow Bros. Co., 4600 Harrison, Chi-

## 14109a—Stairs (Iron & Bronze)

Art Metal Construction Co. (Steel), Jamestown, N. Y.
*See adv index at end of book*
Cal. Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Hecla Iron Works, 118 N 11th, B'klyn, N. Y.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Tyler, W. S. Co., Cleveland, O.
*See adv index at end of book*

## 14110-1—Stairs (Mine Escape Shaft)

Hanke Iron & Wire Works, 800 Albany, **av, Chicago, Ill.**
*See adv index at end of book*
Lucas A. & Sons, 1329 S Washington, Peoria, Ill.

## Stairs (Spiral)

See Iron Stair Builders

## 14112-3—Stake Pockets for Cars

National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, O.
Phoenix Mfg. Co. (For Log Cars), Eau Claire, Wis.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co., 122 So. Michigan, Chicago, Ill.

## Stake Riveting Machines

**See Riveting Machines, Stake**

## 14114— Stakes (Cattle)

Auer John Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

## 14114a— *Stakes (Plant)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons Co., 364 5th av, New York. ***See adv index at end of book***

## 14115— Stakes (Tinners')

Emrich Phil. ("Emrich"), 824 Main, Cincinnati, O.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS**, Buffalo, N. Y.
*See adv index at end of book*
Stortz John & Son (Also Slaters'), 210 Vine, Phila., Pa.

## 14116— Stalls (Cow)

Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Hudson Mfg. Co., 324 3d av, N Minneapolis, Minn.
James Mfg. Co. ("James" Sanitary Steel), Ft. Atkinson, Wis.
Louden Machinery Co., Fairfield, Ia.
Mitchell Mfg. Co., Milwaukee, Wis.
Rossmann F. Mfg. Co., Beaver Dam, Wis.
Smith E. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Snow W. A. Iron Works (Inc.), 32 Portland, Boston, Mass.

## 14117-8—Stamped Parts for Cream Separators

Acklin Stamping Co., 1659 Dorr, Toledo, O.
*See adv index at end of book*
Bossert Corporation, The, cor. Linden st & West av, Utica, N. Y.
*See adv index at end of book*
Geuder-Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Matthews Mfg. Co., 104 Gold, Worcester, Mass.
Oakes Co., Indianapolis, Ind

## 14119—Stamping (Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Aluminum Ware Mfg. Co., Inc., Elmira, N. Y.
Am. Sheet Metal Stamping Corp'n, Lehigh av & Mutter, Phila., Pa.
***See adv index at end of book***
Bossert Corp. (The), cor. Linden st & West av, Utica, N. Y.
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W & L. E. Belt Line, Cleveland, O.
**GASKET SUPPLY CO.**, 1927 Ludlow, Phila, Pa. *See adv index at end of book*
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Grammes L. F. & Sons, 344 Union, Allentown, Pa.
*See adv index at end of book*
Oakes Co., Indianapolis, Ind.
**QUADRIGA MFG. & SPECIALTY CO.**, 213 W Grand av, Chicago, Ill.
***See adv index at end of book***
Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.
Sharon Steel Hoop Co., Sharon, Pa
Standard Stamping & Die Co., 153 33rd, Brooklyn, N. Y.
*See adv index at end of book*

## 14120—Stamping (Automobile)

Acklin Stamping Co., 1659 Dorr, Toledo, O.
*See adv index at end of book*


# Hendricks' Commercial Register

IS USED FOR

# Purchasing Purposes

IN ALMOST EVERY CLASS OF TRADE

STAMPING (AUTOMOBILE)—continued

**B. J. STAMPING CO., THE,** 1435-1437 Dorr, Toledo, Ohio
*See adv index at end of book*

**BOSSERT CORPORATION, THE,** cor. Linden st & West av, Utica, N. Y.
*See adv index at end of book*

Boston Pressed Metal Co., 170 Union,
*See adv index at end of book*

Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland. O.

Crandall Stone Div, The Brewster-Titchener Corp. ("Pioneer"), Binghamton, N. Y.

Erie Metal Products Co., Erie, Pa.

**GASKET SUPPLY CO.** (Any Kind, Any Shape, Any Material), 1837 Ludlow, Phila., Pa. *See adv index at end of book*

Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.

**HARKER MFG. CO.,** 121-123 W Third, Cincinnati, Ohio
*See adv index at end of book*

Hubbard Pressed Steel Co., Niles, O.

Matthews Mfg. Co., 104 Gold, Worcester, Mass.

Oakes Co., Indianapolis, Ind.

Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.

Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*

Standard Tool & Mfg. Co., 70 Lafayette blvd, Detroit, Mich.

Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*

**YOUNGSTOWN PRESSED STEEL CO.,** Warren, O. *See adv index at end of book*

## 14121— Stamping (Brass)

Acklin Stamping Co., 1659 Dorr, Toledo, O.
*See adv index at end of book*

Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*

**BOSSERT CORPORATION, THE,** cor. Linden st & West av, Utica, N. Y.
*See adv index at end of book*

Boston Pressed Metal Co., 170 Union, Worcester, Mass.

Bridgeport Brass Co., Bridgeport, Conn.

Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.

**GASKET SUPPLY CO.** (All Shapes & Sizes), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*

Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.

Greer Fredric, 525 W Van Buren, Chicago, Ill.

**KNAPP, ARTHUR ENGINEERING CORP,** 19 W 44th, New York
*See adv index at end of book*

Oakes Co., Indianapolis, Ind.

**PEORIA CAN CO.,** Peoria, Ill.
*See adv index at end of book*

Pfau Mfg. Co., Mentour & Huston, Norwood, Cincinnati, O.

**QUADRIGA MFG. & SPECIALTY CO.,** 213 W Grand av, Chicago, Ill.
*See adv index at end of book*

Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.

Scovill Mfg. Co. (& Bronze to Order Only), Waterbury, Conn.
*See adv index at end of book*

Standard Stamping & Die Co., 153 33rd, Brooklyn, N. Y.
*See adv index at end of book*

Winchester Brass & Copper Co., Winsted, Conn.

## 14122— Stamping (Copper)

Rossert Corporation (The), cor. Linden st & West av, Utica, N. Y.
*See adv index at end of book*

Bridgeport Brass Co., Bridgeport, Conn.

**DEWES A. CO. (THE),** 199 Lafayette, New York

Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.

## 14122a—Stamping (Huller Scraper)

Merwin Mfg. Co., Erie Pa.

## 14122b—Stamping (Nickel Silver)

Bridgeport Brass Co., Bridgeport, Conn.

Cleveland Wrought Products Co., W 58th & W & L E Belt Line, Cleveland, O.

Matthews H. A. Mfg. Co., Seymour, Conn.

**QUADRIGA MFG. & SPECIALTY CO.,** 213 W Grand av, Chicago, Ill.
*See adv index at end of book*

Reliance Metal Spinning & Stamping Co., Inc., 160 John, Brooklyn, N. Y.

## 14123—Stamping (Sheet Metal)

A-1 Metallic Products Co., 711 Canal rd, Cleveland, O.

A. & J. Mfg. Co., Binghamton, N. Y.

Acer & Whedon, Medina, N. Y.

**ACKLIN STAMPING CO.,** 1659 Dorr, Toledo, O. *See adv index at end of book*

Acme Die & Stamping Co., McKee's Rocks, Pa.

Acme Engineering & Mfg. Co., 355 Union Park st, Chicago, Ill.
*See adv index at end of book*

**ACTIVE SPINNING & SHEET METAL WORKS,** 56 W Kinzie, Chicago, Ill.
*See adv index at end of book*

Adell Mfg. Co. (Light & Heavy), Orange, Mass.

Ahl Frank Z., Sheet Metal Works, Sacramento, Cal.

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*

Allsteelequip Co., Aurora, Ill.

American Automatic Device Co., 515 W Monroe, Chicago, Ill.

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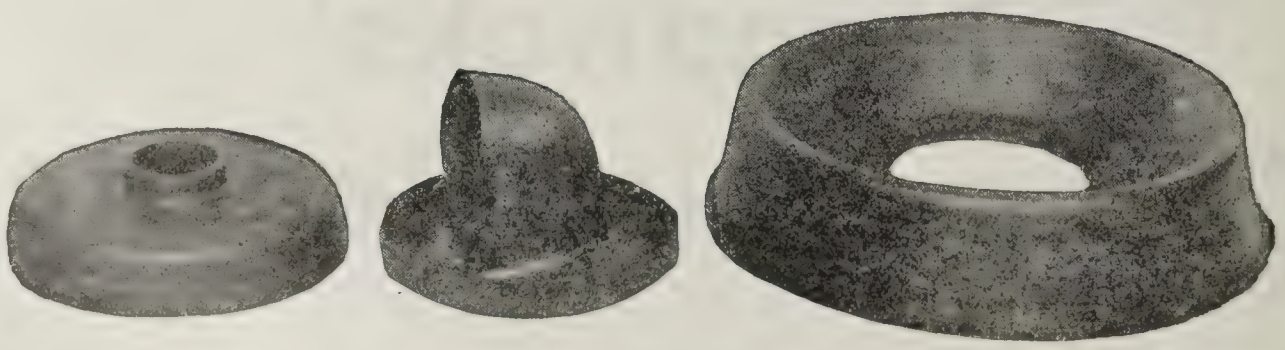

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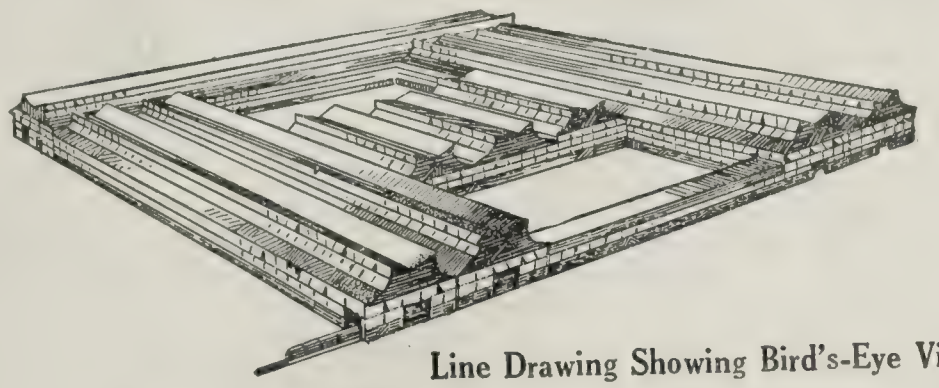

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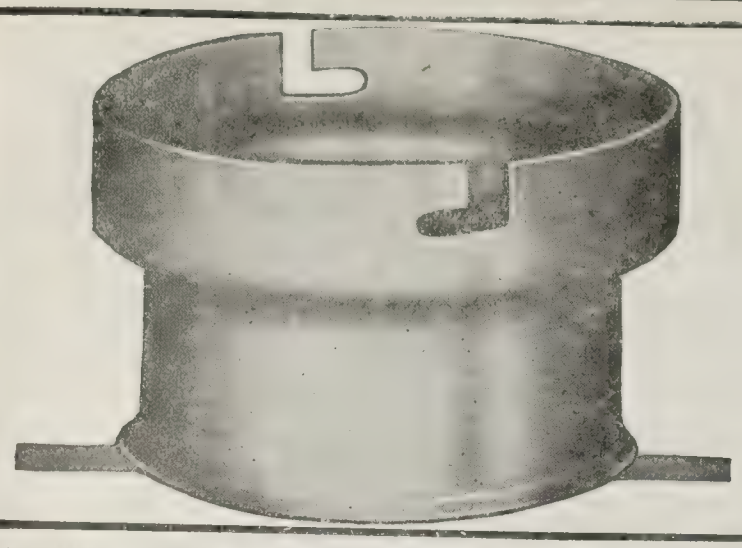

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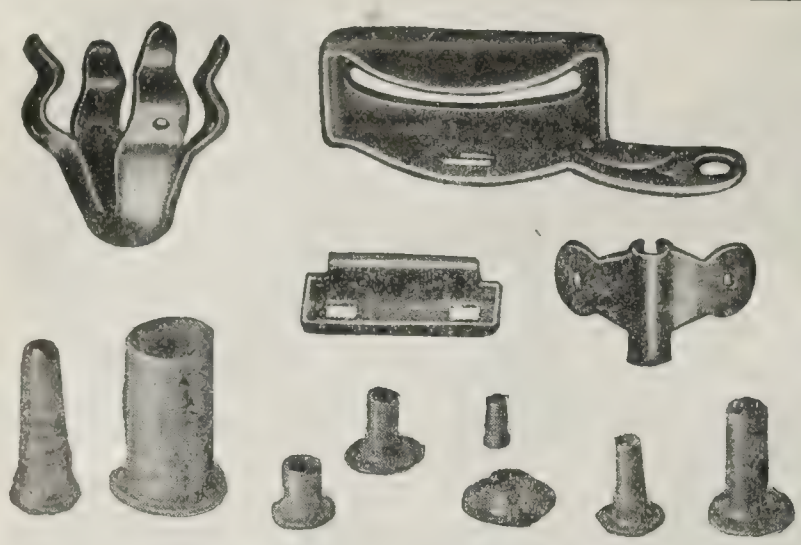

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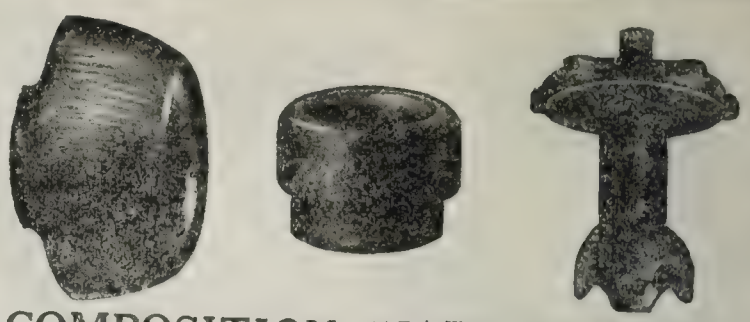

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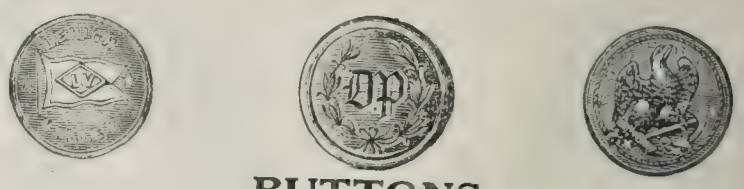

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Standard Tool & Mfg. Co., 70 Lafayette blvd, Detroit, Mich.
**STANLEY WORKS** (Special), New Britain, Conn.
*See adv index at end of book*

**STANDARD STAMPING AND DIE CO.**
*Sheet Metal Goods and Patented Articles Made on Contract*
*Dies. Stamping*
153—33rd St. Brooklyn, N. Y.

Stearns W. H. Stamping Co. (Cold Metal), Worcester, Mass.
Sterling Devices Co., 9 Lispenard, New York
Sterling Mach. & Stamping Co., Wellington, O.
Sterling Machine & Die Works, 625 W Jackson blvd, Chicago, Ill.
Stillman Allen P. Inc., 351 Jay, Brooklyn, N. Y.
Stimpson Edwin B. Co., 68 Franklin av, Brooklyn, N. Y.
Stirrup Mfg. Co. Inc., Market, Newark, N. J.
Superior Metal Products Co., Elyria, O.
Syracuse Stamping Co., 422 S West, Syracuse, N. Y.
Textile Shield Co. (Metal Shields for Bobbins), 250 Lowell, Lawrence, Mass.
Thatcher-Reuter Mfg. Co., Cleveland, O.
Tomlinson Mfg. Co., Canton, O.
Transue & Williams Steel Forging Corp., Alliance, O.
Tri-Continental Corp. (Small), 2665 Main, Buffalo, N. Y.
Triumph Trap Co., Inc., Oneida, N. Y.
Trumbull F. S., Bridgeport, Conn.
Union Metal Goods Co. (Small), Pawtucket, R. I.
Unique Findings & Supply Co., 36 Garnet, Providence, R. I.
Van Valkenburg L. D., Holyoke, Mass.
Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.
Wade Machine Co., 817 Albany, Boston, Mass.
Wagner E. R. Mfg. Co., North Milwaukee, Wis.
Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.
Walstad Machine Co., Tacoma, Wash.
Warner Bros. Co. (Small), Bridgeport, Conn.
**WATERBURY BUTTON CORPORATION** (Small Articles), 831 S Main, Waterbury, Conn. *See adv index at end of book*
**WEBER BROS. METAL WORKS,** 108 N Jefferson, Chicago, Ill.
Weber-Knapp Co., Jamestown, N. Y.
Western Die & Stamping Works, 721 Fulton, Chicago, Ill.
White Quehl Mfg. Co., 429 E Pearl, Cincinnati, O.
Whitnal Co., Plainville, Conn.
Wilcox W. W. Co., 1735 Armitage av, Chicago, Ill.
Willemin Mfg. Co., Inc., 181 Eddy, Providence, R. I.
Wisconsin Metal Products Co., Racine, Wis.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.

**When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL REGISTER**

Worcester Pressed Steel Co., Worcester, Mass. *See adv index at end of book*


LIGHT AND HEAVY METAL STAMPINGS

Worcester Pressed Steel Co.

Worcester Mass.

Branch Offices: New York Chicago Detroit Indianapolis


Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.
York Corrugating Co., York, Pa.
**YOUNGSTOWN PRESSED STEEL CO.** (Pressed Steel), Warren, O.

## 14123a—Stamping (Steel Furniture)

Merwin Mfg. Co. (Chair Sides, Mop Heads, Seat Supports & Table Top Fasteners), Erie, Pa.

## 14124— Stamping Works

See also Enameled Ware Mfrs.; also Stamping, Sheet Metal

**ACKLIN STAMPING CO.,** 1659 Dorr, Toledo, O. *See adv index at end of book*
Adams & Westlake Co., 319 W Ontario, Chicago, Ill.
Akron Metal Products Co., Akron, O.
Allegheny Steel Co. (Journal Box Lids & Heavy Railroad Stampings), Oliver bldg, Pittsburgh, Pa.
**AMERICAN CAN CO.,** 120 B'way, New York *See adv index at end of book*
American Nut & Bolt Fastener Co., Ontario & Doerr, Pittsburgh, Pa.
American Sheet Metal Stamping Corp'n. Lehigh av & Mutter, Phila., Pa.
American Stamping & Enameling Co., Bellaire, Ohio
American Stamping & Mfg. Co. (Small) Park bldg, Pittsburgh, Pa.
Am. Tool & Mfg. Co., Urbana, O.
Amundsen A. & Co., 2134 Lawrence av, Chicago, Ill.
Atlas Metal Parts Co., 998 15th, Milwaukee, Wis.
B. J. Stamping Co., The, 1435-1437 Dorr, Toledo, Ohio
*See adv index at end of book*
Beaton & Cadwell Mfg. Co. ("Gem"), New Britain, Conn.
Beaver Machine & Tool Co. Inc., 625 N 3d, Newark, N. J.
**BOSSERT CORPORATION, THE,** cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
Bowen Products Co., Divisions, Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., & Windsor, Ont, Canada *See adv index at end of book*
Brunswick Mfg. Co. (Light Metal), Brunswick, Me.
Central Stamping Co., 174 Fulton, New York
Chicago Die & Machine Works, 415 N Carpenter, Chicago, Ill.
Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.
Cleveland Metal Products Co., Platt av & C. & P. R. R., Cleveland, O.
Cleveland Metal Stamping Co., Cleveland, Ohio
Cleveland Pressed Steel Co., Havard av, Cleveland, O.
Columbian Enameling & Stamping Co. (Enameled Ware), Terre Haute, Ind.
Commercial Shearing & Stamping Co., 113 Oak Hill av, Youngstown, Ohio
Cuyahoga Spring Co., 10253 Berea rd, Cleveland, O. *See adv index at end of book*
Conn. Metal Treating Co., Inc. (All Prods.), Bridgeport, Conn.
Dail Steel Products Co., Lansing, Mich.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Eisler Mfg. Co., Rochester, N. Y.
Erie Metal Products Co., Erie, Pa.
Federal Enameling & Stamping Co., Thomson & Chartiers, Pittsburgh, Pa.
Fostoria Pressed Steel Co., Fostoria, O.
Geometric Stamping Co., 221 E 131st, Cleveland, O.
Gier Pressed Steel Co., Lansing, Mich.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Great Lakes Pressed Steel Corp., 1400 Niagara, Buffalo, N. Y.
Harrisburg Stamping Co., Harrisburg, Pa.
Harry Bros. Mfg. Co., 282 Woodbridge E, Detroit, Mich.
Hubbard Pressed Steel Co., Niles, O.
Hunt & Dorman Mfg. Co., 1600 E 24th, Cleveland, O.
Hydraulic Pressed Steel Co. (Steel), 3152 E 61st, Cleveland, O.
Johns Engineering Co., 625 Champlain av, Cleveland, O.
*See adv index at end of book*
John's Stamping & Machine Works Co., 1715 Leonard, Cleveland, O.
Kirk & Blum Mfg., Co. (Steel), 2850 Spring Grove av, Cincinnati, O.
Klopping A. C., Toledo, O.
Konigslow Otto Mfg. Co., 3506 Perkins av, Cleveland, O.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Lansing Stamping & Tool Co., Lansing, Mich.
Loverntzen H. K., 60 Grand, New York
McDowell Mfg. Co. Stanton av, Pittsburgh, Pa.
Mahoning Steel Products Co., Warren, O.
Michigan Pressed Steel Co., 239 Artillery, Detroit, Mich.
Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
Milwaukee Stamping Co., West Allis, Wis.
National Enameling & Stamping Co., 411 5th av, New York
National Metal Spinning & Stamping Co., 176-180 Grand, New York
National Natalware Co. Inc., 95 S 5th, Brooklyn, N. Y.
Niagara Falls Metal Stamping Works (Galvanized Work, etc), Niagara Falls, N. Y.
North & Judd Mfg. Co., New Britain, Conn.
Oakes Co., Indianapolis, Ind.
Parish Mfg. Co., Mt. Elliott & Trombley, Detroit, Mich.
Parish & Bingham Co. (Cold Pressed Steel), Madison av & W 106th, Cleveland, O.
Parker Chas. Co., Meriden, Conn.
Peoria Can Co., Peoria, Ill.
**QUADRIGA MFG. & SPECIALTY CO.,** 213 W Grand av, Chicago, Ill.
*See adv index at end of book*
Republic Metalware Co., The, Buffalo, N. Y.
Republic Stamping & Enameling Co., Canton, O.
Rochester Stamping Co. (Tin & Hollow Ware), Rochester, N. Y.
St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.
Sayre Stamping Co., Sayre, Pa.
Sessions J. H. & Son, Bristol, Conn.
Standard Metalwork Co. (Light), Thompsonville, Conn.
Standard Stamping & Die Co. 153 33d, Brooklyn, N. Y.
*See adv index at end of book*
Sharon Steel Hoop Co., Sharon, Pa.
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Troy Stamping Works, Troy, N. Y.
**WATERBURY MFG. CO.,** Waterbury, Conn.
Wheeling Stamping Co., Wheeling, W. Va.
Wickwire Spencer Steel Corp. (Metal), Worcester, Mass.
*See adv index at end of book*
Worcester Pressed Steel Co., Worcester, Mass. *See adv index at end of book*


LIGHT AND HEAVY METAL STAMPINGS

Worcester Pressed Steel Co.

Worcester Mass.

Branch Offices: New York Chicago Detroit Indianapolis


**YOUNGSTOWN PRESSED STEEL CO.** Warren, O. *See adv index at end of book*

## 14125-6— Stamping & Drawing (Sheet Metal)

See also Stamping, Sheet Metal

Acklin Stamping Co., 1659 Dorr, Toledo, O. *See adv index at end of book*
**AMERICAN CAN CO.,** 120 B'way, New York. *See adv index at end of book*
Am. Tube & Stamping Co. (Steel Stamping & Deep Drawing), Bridgeport, Conn.
B. J. Stamping Co., The, 1435-1437 Dorr, Toledo, Ohio
*See adv index at end of book*
Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
**BOSSERT CORPORATION, THE,** cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
Boston Pressed Metal Co., 170 Union Worcester, Mass.
Burr Mfg. Co., Whitney Power blk, Cleveland, O.
**DAHLSTROM METALLIC DOOR CO.** (Steel Stamping & Drawing), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
**DEWES A. CO. (THE),** 199 Lafayette, New York
**EDWARDS MFG. CO.,** Cincinnati, O.
*See adv index at end of book*
**GEM MFG. CO.,** Cincinnati, O.
Pittsburgh, Pa.
*See adv index at end of book*

Geuder, Paeschke & Frey Co. (Aluminum, Brass, Copper, Sheet Steel, Monel Metal, Tin Plate, etc; also Porcelain Enameling) 1314-1700 St. Paul av, Milwaukee, Wis.
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
Matthews Mfg. Co., 104 Gold, Worcester Mass.
Metal Crafters, East Stroudsburg, Pa.
North Star Spinning & Mfg. Co., St. Paul, Minn.
Oakes Co., Indianapolis, Ind.
**QUADRIGA MFG. & SPECIALTY CO.,** (Any Metal), 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Reliance Metal Spinning & Stamping Co Inc., 160 John, Brooklyn, N. Y.
Scovill Mfg. Co. (To Order Only), Waterbury, Conn. *See adv index at end of book*
Standard Stamping & Die Co. 153 33d, Brooklyn, N. Y.
*See adv index at end of book*
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
**YOUNGSTOWN PRESSED STEEL CO.** Warren, O. *See adv index at end of book*

## 14127—Stamps (Dating, Wheel)

American Stamp Mfg. Co., 85 John, New York
Childs S. D. & Co., 136 S Clark, Chicago, Ill
**SWISHER R. D. MFG. CO.,** 415 S Clinton, Chicago, Ill. *See adv index at end of book*

## 14128— Stamps (Gravity)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Clegg Mfg. & Tool Co., Attleboro, Mass.

## 14129—Stamps (Name, for Concrete)

Arrowsmith Concrete Tool Co. (Also Stamping Outfits), Arrowsmith, Ill.
Matthews Jas. H. & Co. (Brass), Pittsburgh, Pa.
Schmidt Geo. T. (Sidewalk), 136 W Lake, Chicago, Ill.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

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## Stamps (Numbering & Dating)

See Numbering Machines; also Dating Machines

### 14130— Stamps (Rubber)

Adams S. G. Stamp & Seal Co., 412 N 6th, St. Louis, Mo.
Allen, Doane & Co., 29 Cornhill, Boston, Mass.
American Stamp Mfg. Co., 85 John, New York
Arnold's J. H. Sons, 47 Fulton, New York
Ashbery Henry C., 285 Washington, Buffalo, N. Y.
Atlanta Rubber Stamps & Stencil Works, Atlanta, Ga.
Banning W. E. Stamp & Stencil Works, Syracuse, N. Y.
Barnard Stamp Co., St. Louis, Mo.
Barton Mfg. Co., 87 Duane, New York
Buck T. S. Mfg. Co. (Patent Flexible), 87 Duane, New York
Bunting Stamp Co., 713 Liberty av, Pittsburgh, Pa.
Childs S. D. & Co., 136 S Clark, Chicago, Ill.
Consolidated Stamp Mfg. Co. (Hand & Machine "Advance," "Quality"), 87 Maiden la, New York
Cooke J. P. Co., Omaha, Neb.
Dimond-Union Stamp Works, 175 Washington, Boston, Mass.
Evans & Convery, 24 N 6th, Phila., Pa.
Everett A. & Son, Auburn, N. Y.
Everson & Reed Co., 88 Chambers, New York
George Bros. Griffith Co., Lincoln, Neb.
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Hoil Mfg. Co., 45 N Division, Buffalo, N. Y.
Kasper Stamp & Seal Co., 1103 Locust, St. Louis, Mo.
Kautz, Fred C. & Co., 2633 W Lake, Chicago, Ill.
Koehler Henry L. Mfg. Co., Louisville, Ky.
Leonhardt Louis, 111 Warren, New York
Love Jos. V. & Co., Galveston, Tex.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Meyer & Wenthe 108 N Dearborn, Chicago, Ill.
Moise-Klinker Co. (Red Rubber), 369 Market, San Francisco, Cal.
Moss Henry & Co. Inc. ("Markwell"), 37 Greene, New York
Mulhaupt F. Jos., Lafayette, Ind.
Murdock W. Jas. & Co., 116 Opera pl, Cincinnati, O.
Ness Geo. M. Jr., 61 Fulton, New York
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Northwestern Stamp Wks., 110 E 3d, St. Paul, Minn.
Oram Jas. C. & Co., 100 W South Water, Chicago, Ill.
Salt Lake Stamp Co., Salt Lake City, Utah
Smith R. H. Mfg. Co., Springfield, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Spokane Stamp Works, Spokane, Wash.
Stewart R. A. & Co., 201 Broadway, New York
SWISHER H. D. MFG. CO., 415 S Clinton, Chicago, Ill.
*See adv index at end of book*
Taylor Bros Co., 706 Superior av, N. W., Cleveland, O.
Troy Rubber Stamp Works, Troy, N. Y.
Utermohle G. A. & Co., 133 Cheapside, Baltimore, Md.
Western Stamp & Stencil Co., Omaha, Nebr.
Wright Greg G. & Son, 119 Opera pl, Cincinnati, O.

### 14131-2—Stamps (Self-Inking)

Hill Independent Mfg. Co., Emerald & Adams, Phila., Pa.
Melind Louis Co., 183 W Madison, Chicago, Ill.
New York Stencil Works, 100 Nassau, New York
Smith R. H. Mfg. Co., Springfield, Mass.
SWISHER R. D. MFG. CO. (Stamps, Time Dating Machines, Ink Canners, Pads Stamp), 415 S Clinton, Chicago, Ill.
*See adv index at end of book*

## Stamps, Shoes & Dies

See Shoes & Dies, Stamp Mill

### 14133— Stamps (Steel)

Arnold's J. H. Sons, 47 Fulton, New York
Brunner & Lay, 570 W Polk, Chicago, Ill.
BUTLER A. G. 152 Chambers, New York
Carragan & Tilson, 88 Chambers, New York
Chandler Co., Springfield, Mass.
Cleveland Steel Stamp Works, Commercial bldg, Cleveland, O.
Cooke J. P. Co., Omaha, Neb.
Cunningham M. E. Co. (For Letters & Figures for Making Tools, etc), 625 Smithfield, Pittsburgh, Pa.
Detroit Rubber Stamp Co., 69 Shelby, Detroit, Mich.
Dickey-Grabler Wks., W Madison & 103d, Cleveland, O.
Evans & Convery, 24 N 6th, Phila., Pa.
Everett A. & Son, Auburn, N. Y.
Evers Henry A. Co., 44 Washington, Providence, R. I.
Gibson A. C. Co. Buffalo, N. Y.
Gowanda Agricultural Works ("Cutler's"), Gowanda, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Haynes & Co., 75 Westminster, Providence, R. I.
Johnson D. E. Co. (Fine), 140 William, New York
Kasper Stamp & Seal Co., 1103 Locust, St. Louis, Mo.
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
Kersting J. H., 75 Fulton, New York
Knight H. W. & Son (Name Stamp, etc), Seneca, Falls, N. Y.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J. & Co., 36 S. Meridian, Indianapolis, Ind.
Meyer & Wenthe, 108 N Dearborn, Chicago
Moise-Klinkner Co., 369 Market, San Francisco, Cal.
Moss Henry & Co. Inc. ("Markwell"), 192½ Greene, New York
Mulhaupt F. Jos. Lafayette, Ind.
Murdock, W. Jas. Co., 116 Opera pl, Cincinnati, O.
Ness Geo. M. Jr., 61 Fulton, New York
Niagara Falls Metal Stamping Works (Letters & Figures), Niagara Falls, N. Y.
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Northwestern Stamp Works, 110 E 3d, St. Paul, Minn.
Pannier Bros. Stamp Co. (Hand Made), 207 Sandusky, Pittsburgh, Pa.
Pittsburgh Steel Stamp Co., 316 Penn av, Pittsburgh, Pa.
Quality Die Co., 1430 E 64th, Chicago, Ill.
Reese S. W. & Co., 44 Vesey New York
Robbins John Mfg. Co., 58 Kneeland, Boston, Mass.
Ronfeldt Chas. J. 61 Beekman New York
S. & I. Co., Springfield, Mass.
Sackman Mfg. Co., Akron, O.
Salt Lake Stamp Co., Salt Lake City, Utah
Schoder & Lombard Stamp & Die Co., 202 Centre, New York
Schweizer C. K., 520 N 3d, St. Louis, Mo.
Smith R. H. Mfg. Co., Springfield, Mass.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass
Spokane Stamp Works, Spokane, Wash.
Stewart R. A. & Co., 201 B'way, New York
Utermohle G. A. & Co., 133 Cheapside, Baltimore, Md.
Western Stamp & Stencil Co., Omaha, Nebr.
Williams Chas. F. Stamp Co., 85 Chadron, Boston, Mass.
Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.

### 14134— Stamps (Steel Log)

Adams S. G. Stamp & Seal Co., 412 N 6th, St. Louis, Mo.
Gibson A. C. Co., Buffalo, N. Y.
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Northwestern Stamp Works, 110 E 3d, St. Paul, Minn.
Ransome Concrete Machinery Co., Dunellen, N. J.
Sackmann F. A., 810 Prospect, S E, Cleveland, O.
Schwerdtle Stamp Co., 43 Cannon, Bridgeport, Conn.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

### 14135— Stamps (Time)

AUTOMATIC TIME STAMP CO. ("Automatic"), 160 Congress, Boston, Mass.
Commercial Utilities Mfg. Co., 521 W 26th, New York
Ellis Time Stamp Co., 229 W Illinois, Chicago, Ill.
Follett Time Recording Co., 9 W B'way, 27 Thames, New York
Hoggson S. H. & Co. ("Hoggson" Pocket), 17 Thomas, New York
International Time Recording Co. of N. Y. ("Standard" Automatic), Endicott, N. Y.

Joslin A. D. Mfg. Co ("Eclipse," "Cosmo,")' 223 W Erie, Chicago, Ill.
Kastens Henry (Time Dating), 418 W 27th, New York
King Lock Co., 319 W Ohio, Chicago, Ill.
Magneta Co. (Elec.), 37 E 28th, New York
Moise-Klinkner Co., 369 Market, San Fransisco, Cal.
**Smith R. H. Mfg. Co. (Air Cushion),** Springfield, Mass.
Sohm Electric Co. ("Sohm" System for **Recording Receipt & Delivery of** Goods, Factory Coast Founding), 841 Blue Island av, Chicago, Ill.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Stromberg Electric Co., 606 S Michigan **av, Chicago, Ill.**
**Yaxley Mfg. Co. ("Monarch"), 1101 W** Monroe, Chicago, Ill.

## Stamps & Dies (Sheet Metal)

See Dies, Stamping

## 14136—Stamps & Dies (Steel)

Adriance Machine Works, 80 Richards, Brooklyn, N. Y.
Amer. Die & Tool Co., Reading, Pa.
**American Sheet Metal Stamping Corp., Lehigh av & Mutter, Phila., Pa.**
Atlas Crucible Steel Co., Dunkirk, N. Y.
B. & S. Engraving & Die Works, 625 W Jackson blvd, Chicago, Ill.
Cleveland Steel Stamp Works, Commercial bldg. Cleveland, O.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Gibson A. C. Co., Buffalo, N. Y.
**Hoggson & Pettit Mfg. Co., New Haven,** Conn.
Ludlum Steel Co. ("Mohawk" Extra, "Pompton" Special, "Huron," "Utica"), 2 Rector, New York
Matthews Jas. H. & Co., 3942 Forbes, Pittsburgh, Pa.
Perkins Machine Co., Warren, Mass.
**Richard Mfg. Co., Bloomsburg, Pa.**
**Schoder & Lombard Stamp & Die Co., 202** Centre, New York
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.

## 14137-8—Stanchions (Cattle)

Acme Harvesting Machine Co. ("Acme"), Peoria, Ill.
Automatic Carrier Co. ("A. C. Co."), Juneau, Wis.
**Boyle Jas. ("Taylor" Steel), Salem, O.**
Bryan Mfg. Co. ("Champion"), P. O. Box D, Bryan, O.
Crumb W. B. ("Warriner" Chain Hanging), Forestville, Conn.
Drew Carrier Co., Waterloo, Wis.
Gehl Bros. Mfg. Co. ("Badger" Steel), West Bend, Wis.
Harris Mfg. Co., Salem, O.
Hunt, Helm, Ferris & Co. ("Star" Swing), Harvard, Ill.
James Mfg. Co., Fort Atkinson, Wis.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
**Libby C. A. Co., Oshkosh, Wis.**
Louden Machinery Co. ("Cow Comfort"), Fairfield, Ia.
Milwaukee Hay Tool Co. ("Milwaukee"), Layton Park, Milwaukee, Wis.
**Mitchell Mfg. Co., Milwaukee, Wis.**
**Mullins Mfg. Co., Brillion, Wis.**
Olson Mfg. Co. ("Common Sense"), Albert Lea, Minn.
Porter J. E. Co., Ottawa, Ill.
Quick & Thomas Co. ("Q & T"), Auburn, N. Y.
Rassmann F. Mfg. Co. ("Simplex"), Beaver Dam, Wis.
Ricker Mfg. Co. ("Rochester" Wood Lined Steel), Rochester, N. Y.
Scoville E. U. Co., Manlius, N. Y.
Strickler Hay Tool Co., Janesville, Wis.
Swift Stanley C. Mfg. Co. ("Perfection"), Cuba, N. Y.
Wasson Stanchion Co., Cuba, N. Y.
West Bend Barn Equipment Co., West Bend, Wis.
Wilder-Strong Implement Co., Monroe, Mich.
Wisconsin Foundry & Machine Co., Madison, Wis.
Wisconsin Stable Equipment Co., Oconomowoc, Wis.

## 14139— Stand Pipes

American Bridge Co., 30 Church, New York
Baltimore Cooperage Co. (Wood), Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Casey-Hedges Co., Chattanooga, Tenn.
**Chattanooga Boiler & Tank Co., Chattanooga, Tenn.**
**CHICAGO BRIDGE & IRON WORKS,** (Steel), 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Coatesville Boiler Works, Coatesville, Pa.
**Cole R. D. Mfg. Co., Newnan, Ga.**
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa Works: Bridgeton, N. J.
Conran Standpipe Co., 305 Pearl, New York
**DOVER BOILER WORKS,** Sales Office, 40 Church, New York
*See adv index at end of book*
Drake-Williams Mount Co., Omaha, Neb.
Fairbanks, Morse & Co. (Railroad, "Sheffield"), 900 S Wabash av, Chicago, Ill.
Freeman Mfg. Co., Racine,, Wis.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
**HANKE IRON & WIRE WORKS** (With Ice-Proof Steps & Balconies), 800 N Albany av, Chicago, Ill.
*See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Hodge Boiler Works, 99 Sumner, East Boston, Mass.
Ironton Punch & Shear Co., Ironton, O.
Johnson & Thompson, Birmingham, Ala.
Knox Pressed & Welded Steel Co., Pittsburgh, Pa.
Koven L. O. & Bro, 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Leslie Elliott & Co., Paterson, N. J.
**Logan Iron Works, 54 Commercial, Brooklyn, N. Y.**
Lombard Iron Works & Supply Co., Augusta, Ga.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O
McNeil James & Bro. Co., Pittsburgh, Pa.
Marinette Boiler Wks., Marinette, Wis.
**Meehan Boiler & Construction Co., Lowellville, O.**
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
**Munroe R. & Sons Mfg. Corporation, 23d & Smallman, Pittsburgh, Pa.**
Muskegon Boiler Works, Muskegon, Mich.
Nashville Bridge Co., Nashville, Tenn.
New England Iron Works Co., Summer, Boston, Mass.
Petroleum Iron Works Co., Sharon, Pa.
Petty J. K. & Co. (Lebanon Boiler Works), Stephen Girard bldg, Phila., Pa
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pittsburgh Valve Fdry & Construction Co. ("Gulland"), 26th & A. V. R. R., Pittsburgh, Pa.
Portland Co., Portland, Me.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Reeves Bros. Co., The, Alliance, O.
*See adv index at end of book*
Riter-Conley Co., Oliver bldg, Pittsburg, Pa.
Rock Island Bridge & Iron Works, Rock Island, Ill.
Rodgers Boiler & Burner Co., Muskegon Mich.
Schofield's J. S. Sons Co., Macon, Ga.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Sotter Bros., Pottstown, Pa.
Tippett & Wood, Phillipsburg, N. J.
**Tofte Boiler & Sheet Iron Works, Houston** Texas
Tomahawk Steel & Iron Works, Tomahawk, Wis.
Topeka Steam Boiler Works, Topeka, Kan.
Treadwell Construction Co., Midland, Pa.
**Treadwell M. H. Co. of Ill., 208 S La Salle,** Chicago, Ill.
Twin City Boiler Works, Bristol, Va.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Virginia Bridge & Iron Co., Roanoke, Va.
Walsh & Weidner Boiler Co. (Steel), Chattanooga, Tenn.
Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.
Warren City Tank & Boiler Co., Warren, Ohio
Wickes Boiler Co., Saginaw, Mich.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 14140—Stand Pipes (Locomotive)

Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.

## 14140a—Stand Pipes (Reinforced Concrete)

**Heine Chimney Company (The), 123 W Madison, Chicago, Ill.**

## 14141—Stands (Adding Machine & Typewriter)

Adjustable Table Co. (Adjustable), Grand Rapids, Mich.
Fowler-Manson-Sherman Cycle Mfg. Co. ("Ideal" Tubular), 1447 Austin av, Chicago, Ill.
Illinois School Furniture Co., Rockford, Ill.
**Standard Cabinet Mfg. Co. (Swinging, also Tables), Peru, Ind.**
Taylor, Stiles & Co., Riegelsville, N. J.
Toledo Metal Furniture Co. ("Uhl" Steel), Toledo, O.
**Welty Wm. A. (Revolving), Waterloo, Ia.**

## 14142—Stands (Annealing Box)

Columbiana Boiler Co., Columbiana, O.
Pittsburgh Annealing Box Co., 829 Beaver, Pittsburgh, Pa.

## 14143—Stands (Armature Winding)

**Columbia Machine Works & Malleable** Iron Co. ("Columbia"), Atlantic av & Chestnut, Brooklyn, N. Y.
Ridlon Frank Co., 251A, Boston, Mass.

## 14144-5—Stands (Automatic Ground Throw)

American Frog & Switch Co., Hamilton, O.
*See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**Morden Frog & Crossing Works (For Railroads), 208 S La Salle, Chicago, Ill.**
Nelson Iron Works, 45 Spokane av, Seattle, Wash.
**Wharton Wm. Jr. & Co., Inc., Easton, Pa.**

## 14146-7— Stands (Bicycle)

Burgess Machine Co., New Haven, Conn.
**MYERS, F. E. & BRO.** ("Myers"), 900 Fourth, Ashland, O.
*See adv index at end of book*
New York Nickel Plating & Mfg. Co. ("Esmond"), 327 E 63d, New York
Plocher Andrew Sons Co., Dayton, O.
Reed Evan L Mfg. Co., Sterling, Ill.

## 14148-9— Stands (Calendar)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Kimpton Ed. Co., 60 John, New York**
**Wrightsville Hardware Co., Wrightsville, Pa.**

## 14150— Stands (Display)

Acme Woodworking Co., 562 W 34th, New York
Eclipse Mfg. Co., Wellston, O.
**Gemco Mfg Co. (Tire), Milwaukee, Wis.**
Metal Barrel Co. (Vegetable), Galesburg, Ill.
Metallograph Corp., 1100 Brook av, New York
Nelke L. D.—Signs—New York, Inc., 18 W 36th, New York
**Newman Mfg. Co. (Metal), 717 Sycamore, Cincinnati, O., & 68 W Washington, Chicago, Ill** *See adv index at end of book*
Norwich Wire Works, Norwich, N. Y.
Pearce Co., Frederick, 20 Rose, New York

STANDS (DISPLAY)—continued
Trimble F. H. Co., 216 W 3d, Los Angeles, Cal.
Yesbera Mfg. Co., Toledo, O.

## 14150a— *Stands (Drill)

**WHITMAN & BARNES MFG. CO.**, Akron, O. *See adv index at end of book*

## 14151— *Stands (Indicator)

**LINK-BELT CO.**, 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*

## Stands (Ironing)

See Tables, Ironing

## 14152—*Stands (Micrometer)

**STARRET L. S. CO. (THE)**, Athol, Mass. *See adv index at end of book*

## 14153—Stands (Mule Pulley)

Bond Foundry & Machine Co., Manheim, Lancaster, Pa.
*See adv index at end of book*
Dodge Sales & Engineering Co., Mishawaka, Ind.
*See adv index at end of book*
Golden's Foundry & Machine Co., Columbus, O.
Hill Clutch Co., W 65th, Cleveland, O.
Hunter Jas. Machine Co. North Adams, Mass.
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Poole Engineering & Machine Co., Woodberry sta, Baltimore, Md.
Wolf Co., Chambersburg, Pa.
Wood's T. B. Sons Co., Chambersburg, Pa.

## 14154— Stands (Music)

Cushman H. T. Mfg. Co., North Bennington, Vt.
Metal Stamping Corp. (Also Horn Stands), Streator, Ill.

## 14155— Stands (Pipe Vise)

Martin H. P. & Sons, Owensboro, Ky.
Strand Heater & Mfg. Co. ("Smiths" Folding), 7804 Wade pk, Cleveland, O.
Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 14156— Stands (Price Card)

Timberlake J. B. & Sons (Wire), Jackson, Mich.

## 14156a— *Stands (Pump)

**MYERS F. E. & BRO.** ("Myers," "Ashland," "Defiance," & "Faultless" Cog Gear), 900 Fourth, Ashland, O.
*See adv index at end of book*

## 14157-8— Stands (Sad Iron)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Fanner Mfg. Co. ("Arctic"), Cleveland, Ohio
Gray Iron Foundry Co., Reading, Pa.
Grey Iron Casting Co., Mt. Joy, Pa.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Reading Saddle & Mfg. Co. ("Reading"), Reading, Pa.
Sager Lock Co., No. Chicago, Ill.
Stover Mfg. & Engine Co., Freeport, Ill.
U. S. Lock & Hardware Co., Columbia, Pa.
Woods Sherwood Co. (Wire), Worcester, Mass.
Wrightville Hardware Co., Wrightville Pa.
Youngstown Pressed Steel Co., Youngstown, Pa.

## 14159— Stands (Toilet)

Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
National Enameling & Stamping Co., 411 5th av, New York

## Stands (Typewriter)

See Stands, Adding Machine & Typewriter

## 14160— Stands (Umbrella)

Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*
Baker J. R. & Sons Co., Kendallville, Ind.
Central Stamping Co. (Cylinder), 174 Fulton, New York
Clark W. J. Co., Salem, O.
Cordley & Hayes "Fibrotta" Paper Fibre), 7 Leonard, New York
Derby Desk Co. (Wood), Somerville, Mass.
Detroit Rack Co., Elmwood & Hendrick, Detroit, Mich.
Farber S. W. (Brass & Copper), 147 S 5th Brooklyn, N. Y.
Ideal Desk Co., Auburn, Me.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
National Enameling & Stamping Co., 411 5th av, New York
Ray Geo. A. Mfg. Co. (Old Brass Finish, etc), Buffalo, N. Y.

## 14161—Stands (Water Cooler)

Andrews A. H. Co. (Metal), 107 S Wabash av, Chicago, Ill.
Central Stamping Co. ("Puritan"), 172 Fulton, New York
National Enameling & Stamping Co., 411 5th av, New York
Superior Sheet Metal Works, 3201 Roosevelt av, Indianapolis, Ind.

## 14162—Stands (Wrench Display)

Mossberg Frank Co. ("Mossberg"), Attleboro, Mass.
Williams J. H. & Co. (Drop-Forged Wrenches), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 14163— Staple Mfrs.

**AMERICAN STEEL & WIRE CO.** (Fence, Poultry Netting, etc), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Atlas Tack Co., Fairhaven, Mass.
Brewer Bros. Co (Bar, Bolt, Bow, Latch Mirror or Plate & Round), 2nd & Somerset, Cleveland, O.
Cambria Steel Co. (Poultry Netting, Fence, etc), Widener bldg, Phila., Pa.
Campbell Wire Specialty Works, South Bend, Ind.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Cobb & Drew, Plymouth, Mass.
Colorado Fuel & Iron Co. (Wire), Denver Colo.
Crawfordsville Wire & Nail Co. (Fence) Crawfordsville, Ind.
**GRAMMES L. F. & SONS CO**, Allentown, Pa. *See adv index at end of book*
Gulf States Steel Co. (Wire Fence, Poultry Netting), Birmingham, Ala.
Hager C. & Sons Hinge Mfg. Co. (Wrought Steel Japanned Open & Closed Bar & Wagon Bow), St. Louis, Mo.
Holland Mfg. Co. (Steel Spring, Barbed Blind, Hoop & Light Clamp, Poultry Netting, Butter Tub or Clamp, Basket Handle Speaking Tube & Pope, etc), Central av & Bank, Baltimore, Md.
Igoe Bros. (Fence & Poultry Netting), Canal & Lafayette, New York
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Kelly Nail & Iron Co. (Wire), Ironton, O.
Kokomo Steel & Wire Co. (Fence, etc), Kokomo, Ind.
Landers, Frary & Clark (Wrought), New Britain, Conn.
Larkin J. K. & Co. (Blind, Broom, Electricians Galvanized Iron & Wire Jobbers), 34 Reade, New York
*See adv index at end of book*
Lawrence Bros. (Hasp), Sterling, Ill.
Leibfried C. H. (Iron), Guernsey, B'klyn, N. Y.
McKinney Mfg. Co. (Wrought), Liverpool & Metropolitan, Pittsburgh, Pa.
Milwaukee Tack Co. (Hoop, Clamp, Poultry Cloth, etc), 27th & Wahl av, Milwaukee, Wis.
National Mfg. Co. (Wrought Steel Hasp, etc), Sterling, Ill.
Norton Iron Works (Polished & Galvanized Wire), Ashland, Ky.
Oliver Iron & Steel Co. (Hame), S 10th & Muriel, Pittsburgh, Pa.
Parker Wire Goods Co. (Wire), Worcester, Mass.
Pickering Ridgway S. (Hoop Staples), Sharon Hill, Pa.
Pittsburgh Steel Co. (Wire Fence & Poultry Netting), 5th av & Grant, Pittsburgh, Pa.
Plymouth Mills, Plymouth, Mass.
Pratt Wm. E. Mfg. Co. (Barbed, Blind, Netting, Red Spring), 35 W Lake, Chicago, Ill.
Sargent & Co., New Haven, Conn.
Shelton Track Co. (Hoop, Broom & Spring), Shelton, Conn.
*See adv index at end of book*
Standard Rivet Co. (For Box Loops, Harness, Fly Nets, Shoes, etc), 41 Lincoln, Boston, Mass.
Stanley George W. Co. (Barbed, Blind & Hoops), Belleville, Ill.
**STANLEY WORKS** (Wrought), New Britain, Conn.
*See adv index at end of book*
Superior Tack & Nail Co. (Coppered Basket Handle Hoop, Galvanized Poultry Netting, Hook, Broom & Spring, etc), Derby, Conn.
Titchener E. H. & Co. (Blind, etc), Binghamton, N. Y.
Tower Mfg. Co. (Wire Clamp Electricians, Broom, Hoop, Harness, etc), Elm & Commerce, Cincinnati, O.
Townsend G. G. (Barrel & Keg Hoop), Winchendon, Mass.
U. S. Hame Co. (Harness or Hame), Buffalo, N. Y.
Whitman Metal Goods Co., Whitman, Mass.
Wickwire Bros. (Wire), Cortland, N. Y.
Wickwire Spencer Steel Corp. (Wire), Worcester, Mass.
*See adv index at end of book*
Wilcox, Crittenden & Co. Inc. (Wrought Iron), Middletown, Conn.
*See adv index at end of book*
Wire Goods Co. (Wrought Steel, Steel Wire, Tinned & Galvanized), Worcester, Mass.
Youngstown Sheet & Tube Co. ("Youngstown" Wire, Bright Fence, etc), Youngstown, O.

## 14164— Staples (Bar)

Titchener E. H. & Co., Binghamton, N. Y.
Wagner Mfg. Co. ("Wagner"), Cedar Falls, Ia.

## 14165—Staples (Bottle Wrapper)

Oshkosh Bottle Wrapper Co., Oshkosh, Wis.
Phila. Excelsior Co., 716 N 3d, Phila., Pa.
N. Y.

## 14166— Staples (Evener)

American Logging Tool Co., Evart, Mich.

## 4167— Staples (Fence)

**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Atlas Tack Co., Fairhaven, Mass.
Belfont Iron Works Co. (Galvanized & Polished), Ironton, Ohio
Cambria Steel Co., Widener bldg, Phila., Pa.
Cobb & Drew, Plymouth, Mass.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Gulf States Steel Co., Birmingham, Ala.
Igoe Bros., Canal & Lafayette, New York
Indiana Steel & Wire Co. (& Poultry Netting, Polished & Galvanized), Muncie, Ind.
Janesville Barb Wire Co., Janesville, Wis.
Jones & Laughlin Steel Co. (Wire Fence), Ross, Pittsburgh, Pa.
Keystone Steel & Wire Co. ("Keystone"), Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
Larkin J. K. & Co. (Jobbers), 34 Reade, New York. *See adv index at end of book*
Morgan Steel & Wire Co., Kokomo, Ind.
Norton Iron Works, Ashland, Ky.
Parker Wire Goods Co., Worcester, Mass.
Pittsburgh Steel Co., 5th av & Grant, Pittsburgh, Pa.
Stanley Works, New Britain, Conn.
*See adv index at end of book*
Titchener E. H. & Co., Binghamton, N. Y.

Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 14168— Staples (Insulated)

**Blake Signal & Mfg. Co. ("Blake"), 251 Causeway, Boston, Mass.**
Commercial Electrical Supply Co., B'way & Spruce, St. Louis, Mo.
Cross W. W. & Co., Brockton, Mass.
Elastic Tip Co. (Rubber Headed Nails), 370 Atlantic av, Boston, Mass.
Eureka Supply Co., Sewell, N. J.
Goldmark Jas. Co. ("Cross"), 81 Warren, New York
Stanley Geo. W. Co., Belleville, Ill.

## 14169— Staples (Nutted)

Clark Bros. Bolt Co., Milldale, Conn. *See adv index at end of book*
Harvey Spring & Forging Co., Racine, Wis.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Lamson & Session Co., 2188 Scranton rd, S. Y. Y., Cleveland, O.
Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.
Reno Mfg. Co., Erie, Pa.
Upson Nut Co., Cleveland, O.

## 14170— Staples (Pail & Bucket Handle)

Merritt F. M. ("Merritt" Needle Pointed), Penn Yan, N. Y.
Titchener E. H. & Co., Binghamton, N. Y.

## 14171—Staples (Poultry Netting)

American Steel & Wire Co., 208 So. La Salle, Chicago, Ill. *See adv index at end of book*
Belfont Iron Works Co., Ironton, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Larkin J. K. & Co. (Jobbers), 34 Reade, New York. *See adv index at end of book*
Stanley Geo. W. Co., Belleville, Ill.
Titchener E. H. & Co., Binghamton, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 14172— Staples (Stop)

National Sheet Metal Co., Peru, Ill.

## 14173— Staples (Wagon Box)

Burgess & Norton Mfg. Co., Geneva, Ill.
Harvey Spring & Forging Co. (Rivet & Clinch), Racine, Wis.
Titchener E. H. & Co., Binghamton, N. Y.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

## 14174— Starch Mfrs.

American Maize-Products Co. (Pearl), 135 William, New York
Arabol Mfg. Co. (Blenders), 100 William, New York
Arnold, Hoffman & Co. (Commercial), 55 Canal, Providence, R. I.
**Aroostock Valley Starch Co., Fort Fairfield, Me.**
**Atlantic Starch Works, Westport, Conn.**
Barker H. & Co., Chamber of Commerce, Boston, Mass.
Barnett Wm. & Sons, 720 S Broad, Phila., Pa.
Bloede Victor G. Co., Caton av, Baltimore, Md.
Boley C. H. Co. ("Aamcolose"), 3722 N Randolph, Phila., Pa.
Cambridge Starch Co., Cambridge, Minn.
Celluloid Starch Co., 43 W 36th, New York
Corn Products Refining Co. ("Globe," "C. P. Special" "Erckenbrechers," "Triangle," "Modified Eureka," "Complete," "Flexible" & "Argo" Laundry), 17 Battery pl, New York
**Crystal Springs Paste Co., 70 Kilby, Boston, Mass.**
**Defiance Starch Co. (Cold Water), Omaha, Neb.**
**Douglas Co., Cedar Rapids, Ia.**
Eddy & Eddy (Corn), Main & Market, St. Louis, Mo.
Electric Lustre Starch Co., 26 Central, Boston, Mass.
Faultless Starch Co., 1025 W 8th, Kansas City, Mo.
Ford J. B. Co., Wyandotte, Mich.
Frost & Cudhill, Inc. (Imp. for Textile Trade), 60 Wall, New York
Harshaw, Fuller & Goodwiln Co., Elec. bldg, Cleveland, O.
Herrick & Voigt, 68 Maiden la, New York
**Hubinger J. C. Bros. Co. (Elastic), New Haven, Conn.**
**Huron Milling Co., Harbor Beach, Mich.**
Indusetrial Starch Co., 185 Devonshire, Boston, Mass.
Keever Starch Co., Chamber of Commerce bldg, Columbus, O.
Kohnstamm H. & Co. (Rice), 89 Park pl, New York
Lewis John D. (Potato), 63 Charles, Providence, R. I.
Leyland Thos. & Co. (Imported Soluble Starch, etc), Readville, Boston, Mass.
Ludwig L. O., Cary, Me.
Martin, Jos. & Sons, Van Buren, Me.
Minnesota Potato Starch Co., Anoka, Minn.
Monroe County Chemical Co. (Corn), Fairport, N. Y.
National Gum & Mica Co., 59th & 11th av, New York
National Starch Co., 17 Battery pl, New York
Noyes Chas. E., Limestone, Me.
**Piel Bros. Starch Co., Indianapolis, Ind.**
Piper & Clark, Sherman Mills, Me.
Pritchard T. G. Co. (Corn), 108 Grant, Baltimore, Md.
Royal Chemical Co., Phoenix, R. I.
St. Agatha Starch Co., St. Agatha, Me.
Seccomb-Kehew-Bradley Co. (Potato), 24 Purchase, Boston, Mass.
Speare's Alden Sons Co. (Wheat & Corn), Cambridge, Mass.
Staley A. E. Mfg. Co. (Corn), Decatur, Ill.
Stein, Hall Mfg. Co. (Corn, Wheat & Potato), 111 W Washington, Chicago, Ill.
Tanner Chas. S. Co., 250 S Water, Providence, R. I.
Trojan Powder Co. (Nitro Starch), 27 William, New York
Union Starch & Refining Co., Edinburg, Ind.
Watson John, Houlton, Me.
**Waupaca Starch Co., Waupaca, Wis.**

## 14174a— Starch (Arrowroot)

American Trading Co., 25 Broad, New York
Arabol Mfg. Co., 100 William, New York
Morningstar Charles & Co., Inc. (Selling Agent), 349 B'way, New York

## 14174b— Starch (Cassava)

Arabol Mfg. Co., 100 William, New York
Morningstar Charles & Co., Inc. (Imp.), 349 B'way, New York

## 14174c— Starch (Corn)

American Trading Co., 25 Broad, New York
Arabol Mfg. Co., 100 William, New York
Morningstar Charles & Co., Inc. (Selling Agent), 349 B'way, New York
National Gum & Mica Co., 59th & 11th av, New York
Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.

## 14174d— Starch (Potato)

American Trading Co., 25 Broad, New York
Arabol Mfg. Co., 100 William, New York
Behrend F., Inc., 170 Front, New York
**Innis, Speiden & Co., Inc., 46 Cliff, New York** *See adv index at end of book*
Morningstar Charles & Co., Inc. (Imp.), 349 B'way, New York
National Gum & Mica Co., 59th & 11th av, New York
Rockhill & Victor, 22 Cliff, New York
Takamine Commercial Corp., 120 B'way, New York

## 14174e— Starch (Rice)

American Trading Co., 25 Broad, New York
Morningstar Charles & Co., Inc. (Imp.), 349 B'way, New York
National Gum & Mica Co., 59th & 11th av, New York

## 14174f— Starch (Tapico)

American Trading Co., 25 Broad, New York
Innis, Speiden & Co., 46 Cliff, New York *See adv index at end of book*
Morningstar Charles & Co., Inc. (Imp.), 349 B'way, New York
National Gum & Mica Co., 59th & 11th av, New York

## 14174g— Starch (Wheat)

American Trading Co., 25 Broad, New York
Morningstar Charles & Co., Inc. (Selling Agent), 349 B'way, New York
National Gum & Mica Co., 59th & 11th av, New York

## 14175— Stars (Iron)

Barnett Oscar Foundry Co. (For Rumbling), Irvington, N. J.
Cleveland Nickel Works (Hard), 1167 W 67th, Cleveland, O.
Fanner Mfg. Co. (Hard for Cleaning Castings), Brookside pk, Cleveland, O.
**Flagg Stanley G. & Co. (For Tumbling), Morris bldg, Phila., Pa.**
National Malleable Castings Co. (Hard), 7706 Plat av, S. E., Cleveland, O.
Ohio Malleable Iron Co. (Hard Iron Star for Tumbling Mills), 961 N Fourth Columbus, O.
Pratt Wm. E. Mfg. Co. (Hard), 35 W Lake, Chicago, Ill.
Sly W. W. Mfg. Co. (Hard), 4700 Train av, Cleveland, O.

## 14175a— *Stars (Milling)

Dopp J. W. & Co., (Dealers), 15 W Columbia, Detroit, Mich.

## 14175b—Starter Coupling (Pengoscillators)

Splitdorf Electrical Co., 98 Warren, Newark, N. J.

## 14175c—Starters (Automobile)

A. B. C. Generator Co., 1107 S Hill, Los Angeles, Cal.
A. B. C. Starter Co., 33 Woodbridge, Detroit, Mich.
American Ever Ready Works of N. C. Co., Thompson av, L. I. City, N. Y.
Bosch Magneto Co., 223 W 46th, New York
Bijur Motor Appliance Co. (Electric for Automobiles and Motor Boats), 15th & Garden, Hoboken, N. J.
Dayton Engineering Laboratories Co., Dayton, O.
Detroit Starter Co., 32 E Larned, Detroit, Mich.
Disco Electric Starter Corp., 500 Howard, Detroit, Mich.
Dyneto Elec. Co., Syracuse, N. Y.
Electric Auto-Lite Co., Toledo, O.
Fisher Electrical Works, Detroit, Mich.
Gray & Davis, Boston, Mass.
Heinze John O. Co., Springfield, O.
Henricks Magneto & Elec. Co., 1237 St. Paul, Indianapolis, Ind.
Kemco Elec. Mfg. Co., Salem, O.
Leece-Neville Co., 5363 Hamilton av, Cleveland, O.
North East Electric Co., 348 Whitney, Rochester, N. Y.
Picard A. J. & Co., 9 W 61st, New York
Remy Elec. Co., Anderson, Ind.
Simms Magneto Co., East Orange, N. J.
Splitdorf Elec. Co., 98 Warren, Newark, N. J.
Vesta Accumulator Co., 2100 Indiana av, Chicago, Ill.
Wagner Electric Mfg. Co., 6400 Plymouth, St. Louis, Mo.
Ward Leonard Elec. Co., Bronxville, N. Y.
Wells R. C. Mfg. Co., Fond du Lac, Wis.
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. *See adv index at end of book*

## 14176—*Starters (Fire Pump)

**CUTLER-HAMMER MFG. CO.** (Electric), 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*

## 14177—Stationers' Rubber Sundries

American Hard Rubber Co. (Hard Rubber, 9 Mercer, New York
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Goodrich B. F. Co., Akron, O.
Hodgman Rubber Co., 8 W 40th, New York
Miller Rubber Co., Akron, O.
Parker, Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Seamless Rubber Co., New Haven, Conn.
Tyer Rubber Co., Andover, Mass.

## 14178-9—Stationers' Specialties

See also Specific Article Required

Adams Mfg. Co. (Blotter Baths), 86 E Plumstead, Phila., Pa.
Am. Papeterie Co., Albany, N. Y.
Beaton Caldwell Mfg. Co., New Britain, Conn.
Boorum & Pease Co. (Desk Pads), 109 Leonard, New York
**Chicago Mirror & Art Glass Co. ("Chicago" Glass Desk Pad), 216 N Clinton, Chicago, Ill.**
Childs S. D. & Co., 1360 S Clark, Chicago, Ill.
**Cushman & Denison Mfg. Co. ("Capitol" Ink Stands & Other Specialties), 240 W 23d, New York**
**Dameron-Pierson Co., Ltd. (Mfg. Stationery), 400 Camp, New Orleans, La.**
Detroit Coin Wrapper Co., 15 W Milwaukee, Detroit, Mich.
**Erie Metal Products Co., Erie, Pa.**
Farnham Printing & Stationery Co. (Desk Ticklers and Other Specialties, 806 Lumber Exchange, Minneapolis, Minn.
**Foley John F. (Pencil Tips), Attleboro, Mass.**
**Fox Geo. E. Co. (Glass Desk Pads & Blotter, Pads), 35 W Kinzie, Chicago, Ill.**
**General Eclipse Co. ("Eclipse" Pneumatic Ink Wells), Danielson, Conn.**
Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.
**GOES LITHOGRAPHING CO.** (Stock Certificate), 42 W 61st, Chicago, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Ideal Specialties Mfg. Corp. ("Calenders," "Up-to-Date"), 552 Pearl, New York**
**Kimpton Edw. Co., 60 John, New York**
**Modern Mfg. Co. (Book Corner Protectors), 543 N Lawrence, Phila., Pa.**
**Polar Mfg. Co. 101 No Marshall, Phila, Pa.**
Ravenswood Office Specialties Co. ("Rossco" & "Ravenswood") Glass Desk Pad), 1800 Newport av, Chicago, Ill.
**Roovers Bros. (Address & Seal Embossers, Hand & Desk), 100 Schermerhorn, Brooklyn, N. Y.**
*See adv index at end of book*
Sainberg L. ("Elsane" Board Clips, Index Cabinets & Work Distributors), 65 W Houston, New York
**Schmidman's Theo. Sons Co., Manitowoc, Wis.**
Sengbusch Self-Closing Inkstand Co., Stroh bldg, Milwaukee, Wis.
**Traut & Hine Mfg. Co. (Metal), New Britain, Conn.**
Technical Supply Co. (Ink Blotters), Scranton, Pa.
**Van Valkenburg L. D. (Pencil Clips), Holyoke, Mass.**
**Yale Novelty Co. (French Ivory Desk Sets), Leominster, Mass.**

## 14180— Statuary (Plaster)

**Florentine Art Plaster Co., 2208 Chestnut, Phila., Pa.**

## 14181— Statuary & Monuments (White Bronze)

**Monumental Bronze Co., Bridgeport, Conn.**

## 14181a— Staybolts

See Also Bolts, Stay

**Larkin J. K. & Co., 34 Reade, New York**
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## 14182— Stays (Door)

Lane Bros. Co., Poughkeepsie, N. Y.
Reading Hardware Co. (Barn Door), Reading, Pa.
**Richards-Wilcox Mfg. Co. ("Richards" Non-Sag), Aurora, Ill.**

## 14183— Stays (Fence)

Carbo Steel Products Co., 2600 W 111th, Morgan Park Station, Chicago, Ill.
Chicago Steel Post Co., 209 N Michigan av, Chicago, Ill.
Cyclone Fence Co., Waukegon, Ill.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Worth Wire Works ("Cinch"), Kokomo, Ind.**

## 14184— Stays (Stair Rail)

**Brewer Bros. Co. (Wrought, Screw, Drive or on Plate), 2nd & Somerset, Phila., Pa.**

## 14185-6-7—Stays (Transom

**Corbin P. & F., New Britain, Conn.**

## 14188— Steam Feeds

Allis-Chalmers Mfg. Co. (Twin Engine & Direct Acting), Milwaukee, Wis.
Dake Engine Co. (For Sawmill Carriages), Grand Haven, Mich.
Manistee Iron Works Co. (Twin Engine, for Saw Mill Carriage), Manistee, Mich.
**Multnomah Iron Wks., 30th & Nicolas, Portland, Ore.**

## Steam Fitters

**See Heating Contractors, Steam & Hot Water**

## Steam Fitters (High Pressure)

**See Piping, High Pressure**

## 14189—Steam Fitters' Supplies

**See also Plumbers' Supplies**
**(For Manufacturers of Steam Specialties see Specific Article Required)**

### ALABAMA.

BIRMINGHAM—Moore-Handley Hardware Co.
Young & Vann Supply Co.
MOBILE—American Equipment Co.
Courtright Whiting Supply Co.
McGowin-Lyons Hardware & Supply Co.
Standard Equipment Co.
Turner Supply Co.
MONTGOMERY—Lum Machinery & Supply Co.
TALLADEGA—Michael Supply & Roofing Co.

### ARIZONA.

NOGALES—Roy & Titcomb
PHOENIX—Thayer Ezra W.

### ARKANSAS.

FORT SMITH—Atkinson-Williams Hardware Co.
Speer Hardware Co.
LITTLE ROCK—Cox Thomas & Sons Machy, Co.
Kidd-Bossinger Hardware Co.
PINE BLUFF—Fox Bros. Hardware Co.

### CALIFORNIA.

BAKERSFIELD—Fairbanks, Morse & Co.
FRESNO—Kutner-Goldstein Co.
GRASS VALLEY—Grass Valley Hardware Co.
LOS ANGELES—Busch A. H. Co., 150 N Los Angeles
**Crane Co., 321 E 2d**
**Harper & Reynolds Co., 152 N Main**
**Pacific Hardware & Steel Co., 923 E 3d**
Pacific Pipe & Supply Co., 1002 Santa Fe
Smith-Booth-Usher Co.
Union Hardware & Metal Co., 411 E 1st
Warren & Bailey Co., 214 E 3rd
**OAKLAND—Crane Co. (of Chicago)**
**SACRAMENTO—Sacramento Pipe Wks.**
SAN DIEGO—Hazard-Gould Co.
Machinery Supply Co.
Western Metal Supply Co.
SAN FRANCISCO—Baker Hamilton & Pacific Co., 7th & Townsend
Coast Supply Co., 24 California
**Crane Co., 2d & Brannon**
**Dalziel-Moller Co., 556 Mission**
**Dunham, Carrigan & Hayden Co., Kansas & Division**
Fay Geo. H. Co., 599 Mission
**Garrett W. T. & Co., 299 Fremont**
**General Mach. & Sup. Co., 39 Stevenson** *See adv index at end of book*
**Gilchrist W. Erwin, 681 Market**
**Holbrook, Merrill & Stetson, 6th & Bluxome**

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SAN FRANCISCO, CALIF.
General Machinery and Supply Co.
Engineers' Machinists' and Steam Fitters' Supplies
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Pipe, Valves, Fittings, etc.
San Francisco, Cal.

Marshall Newell Supply Co., Spear & Mission
**Marwedel C. W., 76 First**
Moore Chas. C. & Co., Sheldon bldg.
Simon Bros., 981 Mission
**Tay Geo. H. Co., 599 Mission**
**Wagner Jos. Mfg. Co., 165 Beale**
**Woodin & Little, 33 Fremont**
SAN JOSE—Stock Jno. Sons
STOCKTON—Austin Bros.

### COLORADO.

CRIPPLE CREEK—Cripple Creek Mine & Supply Co.
DENVER—Garrett-Elliott Hdw. & Heating Co.
Hendrie & Bolthoff Mfg. & Supply Co.,
Mine & Smelter Supply Co.
O'Fallon M. J. Supply Co.

### CONNECTICUT.

BRIDGEPORT—Mills L. H. Co.
Curtis & Curtis Co.
DANBURY—Danbury Hardware Co.
HARTFORD—Hull, F. A. & Son
Bidwell J. & Co.
Hartford Mill Supply Co.
Plimpton & Hills Corporation
MERIDEN—Cashen John J. & Son
MIDDLETOWN—Hale & Kelsey Mills Lyman D. Co.
NAUGATUCK—Page Jno. M. Co.
NEW HAVEN—Foskett & Bishop Co.
Mersick C. S. & Co.
Peck Bros. & Co.
**NEW LONDON—Darrow & Comstock Co.**
NORWALK—Jones & Hotchkiss Co.
NORWICH—Barstow J. P. & Co.
Norwich Plbg. Supply House
PUTNAM—Putnam Foundry & Machine Co.
TORRINGTON—Agard Hardware Co.
WATERBURY—Barlow Bros. Co.
Daly Bros. Sup. & Engineering Co.
Daly M. J. & Sons

### DELAWARE.

WILMINGTON—Delaware Electric & Supply Co.
Shaw Benj. F. Co. son
Speakman Supply & Pipe Co.

### DISTRICT OF COLUMBIA.

WASHINGTON—Cunningham Plumbing Supply Co., 1234 Penna av, N W
Latterner Arthur, 602 Penna av, N W
Messer Jas. A. Co., Inc., 1000 Penn av, N W
Schafer E. G. & Co., 218 13th N W
Somerville Thos. Co., 312 13th N W

### FLORIDA.

JACKSONVILLE—Camerson & Barkley Co.
Christopher J. G. Co.
Farquhar Machinery Co.
Florida Hardware Co.
Hubbard S. B. Co.
Savannah Supply Co.
KEY WEST—Curry's, Wm. Sons Co.
OCALA—Masters H. B. Co.
ORLANDO—South Florida Fdry & Mach. Wks.

### GEORGIA.

AMERICUS—Sheffield Co.
ATLANTA—Beck & Gregg Hardware Co.
Cotton States Belting & Supply Co.
Crane Co.
Dominion Asbestos & Rubber Corp., Healey bldg
*See adv index at end of book*
General Fire Extinguisher Co.
General Supply Co.

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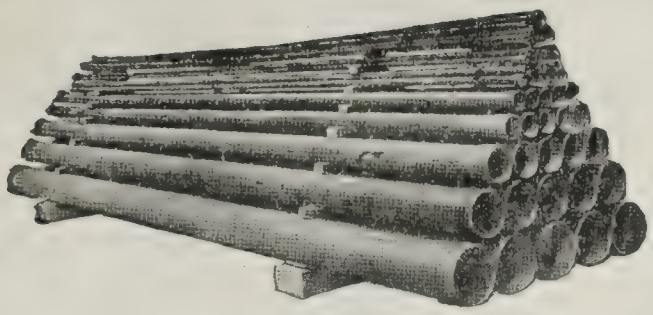

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### IDAHO.

BOISE—Idaho Hardware & Plumbing Co., Ltd.

### ILLINOIS.

BELLEVILLE—Karr Supply Co.
BLOOMINGTON—Keiser-Van Leer Co.
BUSHNELL—Bushnell Pump Co.
CAIRO—Woodward Hardware Co.
**CHICAGO—Adkins Young & Allen Co., 561 Wash. bl**
Advance Packing & Supply Co., 54 E Lake
Baker & Smith Co., 408 N Wells
Boiler & Radiator Sales Co., 126 W Kinzie
Cameron Schroth Co., 415 Rush
Carpenter Geo. B. & Co., 440 North Wells
Channon H. Co., 150 N Market
Chicago Engineer Supply Co., 68 W Lake
Clow Jas. B. & Sons, Franklin & Harrison
Cook & Chick Co., 18 E Kinzie
**Crane Co. (Est 1855), 836 S Michigan av**
*For branch offices see Alphabetical Section*
Crawford Co., 846 S Canal
Davies Supply Co., 412 W Ontario
**Deschauer S. Co., 1345 Blue Island av**
Dominion Asbestos & Rubber Corp., 127 N Dearborn
*See adv index at end of book*
Douglass J. E., 180 N Dearborn
Enterprise Plumbing Supply Co., 10 E Kinzie
Federal-Huber Co., 234 N Halsted
**Hardin-Lavin Co., 4543 Cottage Grove av**
Hennebohle F., 81st & S Chicago av
*See adv index at end of book*
Henion & Hubbell, 219 N Jefferson
Hodgart & Co. (Valves, Steam Traps, Separators, Roller Feeders, etc(, 122 S Michigan av
Illinois Malleable Iron Co., 1801 Diversey blvd
Keckley O. C. Co. (Specialties), 318 W Washington
**Kehm Bros. Co., 15 W Kinzie**
Kellogg-Mackay Co., 403 W 18th
Kelly & Jones Co. (of Pittsburgh, Pa.), 155 N Clark
Kroeschell Bros. Co., 440 W Erie
**Limbert Geo. B. & Co., 558 Fulton**
McMaster-Carr Supply Co., 174 N Market
**Manning, Maxwell & Moore, 27 N Jefferson**
Mott J. L. Iron Works, 104 S Michigan av
National Plumbing & Heating Supply Co., 6044 S State
Norman C. Erwin & Co., 18 W Kinzie
Pittsburgh Piping & Equipment Co., 122 S Michigan av
**Rollins Supply Co., 17 W Kinzie**
Scott Valve Co., 310 W Randolph
Seehausen, Wehrs & Co. (Engineers' Supplies), 173 N Franklin
Skinner M. B. Co., 562 W Washington
**Sorge A. Jr. & Co., Monadnock bldg**
**Steamfitters Supply Co., 10 W Ill.**
Verbeck Harry, 208 N Wells
Walsh W. J. & Co., 503 N Dearborn
Weir & Craig Mfg. Co., 6316 Wentworth
Western Kieley Steam Specialty Co., 116 W Ill.
Western Plumbing Supply Co., 3228 Fillmore
Western Valve Co., 188 N Market
Whitney & Ford, 4315 Cottage Grove av
DECATUR—Field & Shorb Co.
JOLIET—Barrett Hardware Co.
MOLINE—Moline Heating & Construction Co.
PEORIA—Kinsey & Mahler Co.
Nallon Bros. Co.
PERU—Brunner Machy Co.
QUINCY—Best E. Plumbing, Heating & Suppy Co.
ROCKFORD—America Heating & Supply Co.
Rockford Brass Works
ROCK ISLAND—Channon & Dufva
STREATOR—Metcalf Chas
Williams Hardware Co. (Wholesale), Williams bldg.
*See adv index at end of book*

### INDIANA.

ANDERSON—May Supply Co.
BRAZIL—Crawford & McCrimmon Co.
EVANSVILLE—Evansville Supply Co.
FORT WAYNE—National Mill Supply Co.
GREENSBURG—Watson W. A.
INDIANAPOLIS—Central Supply Co.
Van Camp Hardware & Iron Co., 401 W Maryland
LAFAYETTE—Biggs B. F. Pump Co.
MARION—Marion Hardware Co.
MICHIGAN CITY—Staiger Hardware Co.
MUNCIE—Keiser Geo. & Co.
NOBLESVILLE—Clark Supply House
RICHMOND—Jones Hardware Co. (Jobbers)
TERRE HAUTE—Crane Co. (of Chicago).
Freitag Weinhardt & Co.
Watson John C.
Watson's C. D. Co.
UNION CITY—Knapp Supply Co.

### IOWA.

CEDAR RAPIDS—Chandler Pump Co.
Fawcett C. E.
Kubias F. & Co.
Messner & Co.
DAVENPORT—Crane Co. (Of Chicago)
DES MOINES—Beckman Bros.
Crane Co. (Of Chicago)
Globe Machinery & Supply Co.
Kurtz L. H. Co.
DUBUQUE—Deckert W. D. Co.
Kretschmer Mfg. Co.
McDonald A. Y. Mfg. Co. (Jobbers)
Smedley Pump Co.
FORT DODGE—Leighton Supply Co.
KEOKUK—Sutton Wm. P.
MARSHALLTOWN—Dunham C. A. Co.
OSKALOOSA—Ideal Mfg. & Supply Co.
SIOUX CITY—Crane Co.
WATERLOO—Cutler Hardware Co.
Waterloo Mfg. Co.

### KANSAS.

ATCHISON—Thayer Supply Co.
FORT SCOTT—Penniman A. C. & Son Hdw. Co.
LEAVENWORTH—Great Western Mfg. Co.
TOPEKA—Topeka Steam Boiler Works
WICHITA—Martin Metal Mfg. Co.

### KENTUCKY.

ASHLAND—Ashland Foundry & Machine Works
LOUISVILLE—Ahrens Mfg. Co.
Cowan Andrew & Co.
Falls City Plbg. Sup. Co.
Laib Co.
Morton E. D. & Co., 516 W Main
Pyne Co.
Standard Sanitary Mfg. Co.
Vogel P. A. & Sons, 121 W Main
Waters-Garland Co., 419 W Main

### LOUISIANA.

BATON ROUGE—Doherty Hardware Co. Ltd.
NEW ORLEANS—Ahrens & Ott Div., 846 Baronne
Globe Supply & Machinery Co., 627 S Peters
**HAUBTMAN & LOEB CO. (LTD.)**, 618 Magazine
*See adv index at end of book*
Kittredge-Waters Supply Co, Ltd, 422 Common
Manion & Co., 618 Baronne
Standard Sanitary Mfg. Co.
Stauffer-Eshleman & Co., Ltd., 511 Canal
Whitney Supply Co., 418 S Peters
Woodward, Wight & Co., Ltd., Howard av & Constance
SHREVEPORT—Henderson W. K. Iron Wks & Supply Co.

### MAINE.

BANGOR—Babb C. H. & Co.
Union Iron Works
BIDDEFORD—Anthoine Geo. A.
DEXTER—Fay & Scott
FAIRFIELD—Donnelly D. B.
LEWISTON—Hall & Knight Hardware Co.
Stetson Jos. H. Co.
PORTLAND—Blake W. L. & Co.
Plummer C. M. & H. T.
Portland Stove Foundry Co.
Smith & Abbott Co.

### MARYLAND.

BALTIMORE—Baltimore Plbg. Supply Co., 3 N Central av
Baltimore Plbg. Suply Co., 3 N Central av
Carey Machinery & Supply Co., 119 E Lombard
Central Metal & Supply Co., 611 E Lombard
Crane Co. (Of Chicago), 624 W. Pratt
*For branch offices see alphabetical section*
Crook-Horner Supply Co., 7 Balderson
Crook H. E. Co., Inc., 28 Light
Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas, Asbestos), 418 East Pratt
*See adv index at end of book*
Kries Henry A. & Sons Co., 8 W Lombard
Cuyler & Mohler, 611 William
Robertson Jas. Mfg. Co., 108 Hopkins pl
Southern Supply Co., Calvert & Sara
Spedden Supply Co., Boston & Kenwood av
Stebbins, Wallace & Sons, 100 S Charles
Wallace & Gale, 115 S Gay
Wood W. E. Co., 18 N Howard

### MASSACHUSETTS.

ADAMS—Weston L. A.
BOSTON—Anderson Geo. P. & Co. (Kieley & Mueller's Specialties), 65 Oliver
Boston Engineers' Supply Co., 159 Pearl
Boston Pipe & Fittings Co., 273 Congress
Braman, Dow Co., 239 Causeway
Brown-Wales Co., 489 C st
Butler Edmund F. & Co., 80 Pearl
Crane Co. (Of Chicago), (Est 1855), 48 W First
Dalton-Ingersoll Mfg. Co., 52 Chauncey
Federal Steam & Gas Supply Co., 36 Purchase
Gallison Wm. H. Co., 399 Atlantic av
Gilchrist Geo. E. Co., 106 High
Gurney Heater Mfg. Co. (Heating Apparatus, etc., Supplies), 188 Franklin
Hercules Iron & Supply Co., 473 Atlantic av
Houdlette Fred A. & Son (Wrought & Cast Iron Pipe), 93 Broad
Hubbard W. B. & Sons Co., 176 Oliver
Jarvis Engineering Co., 261 Franklin
Johnson-Washburn Co., 91 Haverhill,
Morse, Tenney & Co., 143 Pearl
Morton A. M. & Co., 25 Wash'n
Perrin, Seamans & Co., 57 Oliver
Perry J. P. & Co., 276 Devonshire
Sherburne & Co. (Gauges, Valves & Railway Supplies, etc), 53 Oliver
Wacco Supply Co., 30 Marginal, E B
Walker & Pratt Mfg. Co., 31 Union
Walworth Mfg. Co., 798 1st S B
Webb F. W. Mfg. Co., 56 Elm
BROCKTON—Corcoran Supply Co.
CAMBRIDGE—Cambridge Plumbing Supply Co.
Corcoran Supply Co., 62 Albany
FALL RIVER—Fall River Steam & Gas Pipe Co. Corp.
Miller Nathan & Sons (Ltd)
FITCHBURG—Jennison Co. (Pipe Fittings)
GARDINER—Royal Steam Heater Co.
HAVERHILL—Mills & McClintock
HOLYOKE—Holyoke Valve & Hydrant Co.
Holyoke Supply Co.
LOWELL—Farrell & Conaton
Hobson & Lawler Co.
Middlesex Machine Co.
LYNN—Bourneuf Louis Corporation
Morgan Jno. F. & Son
Trefethen Frank L.
MIDDLEBORO—Pierce Thos. W. Hardware Co.
MILFORD—Ellis, Clark & Sons
NEW BEDFORD—New Bedford Boiler & Machine Co.
NORTH ATTLEBORO—Hall Wm. M. Co.
PITTSFIELD—Robbins, Gamwell & Co.
SALEM—Ruggles Klingemann Mfg. Co. ("R-K")
SPRINGFIELD—Crane Co. of Springfield
Foss W. J. Co.
New England Plumbing Supply Co.
Oliver & Howland Co.
Wyckoff & Lloyd Co., 19-27 Worthington
TAUNTON—Dighton Foundry Co.
Trefethen D. A.
WORCESTER—Burlingame A. Co.
Callahan J. W. & Son
Central Supply Co.
Rockwood Sprinkler Co.
Washburn & Garfield Mfg. Co.

### MICHIGAN.

BAY CITY—Alert Pipe & Supply Co.
Jennison Hardware Co.
Styninger Jno. A.
CALUMET—Carlton Hardware Co.
DETROIT—American Radiator Co., 124 Jefferson
Anchor Packing Co., 139 Congress
Anderson-Kenneth Co., 33 Atwater
Central Distributing Co., 316 Harper
Crane Co. (Of Chicago), Atwater & Randolph
Detroit Heating & Lighting Co., Leib & Wright
Detroit Lead Pipe Works, 61 2nd
Detroit Ship Building Co. (Brass Dept) ft Orleans
Dominion Asbestos & Rubber Corp., Farwell bldg, Detroit, Mich.
*See adv index at end of book*
Edwards H. D. & Co., 16 Woodward av
Harvey's A. Son's Mfg. Co., 28 1st
Kerr Machy. & Supply Co., 100 Beaubien
Park & McKay, 55 Bagley av
Sales Murray W. & Co., 76 Jefferson av
Taylor Supply Co., 164 Larned W
Walker Mfg. & Supply Co. Shelby & Woodbridge
GRAND RAPIDS—Barclay Ayers & Bertsch Co.
Ferguson Supply Co.
Leitelt Adolph Iron Works
Sproul & McGurrin Co.
LANSING—Michigan Supply Co.
MUSKEGON—Howden J. J. Co.
Towner Hardware Co.
SAGINAW—Alert Pipe & Supply Co.
Eureka Heating & Ventilating Co. (C. W. Light, Prop.)
Morley Bros.
Saginaw Hardware Co.
SAULT SAINTE MARIE—Soo Hardware Co.

### MINNESOTA.

DULUTH—Duluth Plumbing Supplies Co.
Kelly-How-Thomson Co.
Northern Hardware Co.
Marshall-Wells Co.
MINNEAPOLIS—American Radiator Co., 930 Nic av
Central Supply Co., 312 S 3d
Crane Co. (of Chicago)
Engineering & Steam Supplies Co., Plymouth bldg.
Gilmore D. M. Co., 515 S 3d
Kellogg-Mackay Co., 824 S 4th
National Mfg. & Supply Co., 256 3rd av S
ST. PAUL—Crane & Ordway Co., 5th & Rosabel
Robinson, Cary & Sands Co, 4th & Wacouta
Robinson Plumbing Supply Co.
Western Supply Co, Park square

### MISSISSIPPI.

CORINTH—Adams W. T. Machine Co.
NATCHEZ—Feltus Bros.
Schwartz & Stewart
YAZOO CITY—Crane-Hamel Hardware Co.

### MISSOURI.

JOPLIN—Joplin Supply Co.
McNeal Machinery Co.
KANSAS CITY—Crane Co. (of Chicago)
Great Western Mfg. Co. (of Leavenworth, Kans.), 1221 Union av
Harbison Mfg. Co.
Kansas City Pump Co., 1314 W 10th
Reeves Supply Co., 1304 McGee
Southwest Plumbing Supply Co. 2030 Walnut
U. S. Water & Steam Supply Co.
Young W. B. Supply Co., 212 Delaware
ST. JOSEPH—Bristol Co.
Horigan Supply Co.
Howe W. B. Supply Co.
Missouri Water & Steam Supply Co.
ST. LOUIS—American Radiator Co. (of Chicago), 410 N B'way
Brockman J. R. Mfg. Co., 617 N 2nd
Cahill-Swift Mfg. Co., 1112 Market
Crane Co. (of Chicago), Est. 1855
Handlan-Buck Mfg. Co., 210-14 N 3d
Johnson Wm. C. & Sons Machinery Co., 210 Washington av
Materne Mfg. Co., 18th & Gratiot
Nelson N. O. Mfg. Co., 10th & Chestnut
Rumsey L. M. Mfg. Co., 4372 Westminster
Street J. D. & Co., 41st & Park
SPRINGFIELD—Cooper Harry Supply Co.
Springfield Plumbing Co.
WEBB CITY—Franz Hardware Co.

### MONTANA.

ANACONDA—Anaconda Copper Mining Co.
BUTTE—Anaconda Copper Mining Co.
Montana Hardware Co.
HELENA—Holter A. M. Hardware Co.
MISSOULA—Missoula Mercantile Co.

### NEBRASKA.

BEATRICE—Dempster Mill Mfg. Co.
LINCOLN—Western Supply Co.
OMAHA—American Radiator Co.
Crane Co. (of Chicago)
Omaha Sanitary Supply Co.
U. S. Radiator Corp.

### NEW HAMPSHIRE.

CONCORD—Concord Pipe Co.
LANCASTER—Thompson Mfg. Co.
MANCHESTER—Pike & Heald Co.

### NEW JERSEY.

BAYONNE—Bayonne Supply Co.
ELIZABETH—Elizabeth Hardware Co.

JERSEY CITY—Gibbons Ernest A. Co., 27 Montgomery
Jersey City Supply Co., 12 Mercer
Perkins Arthur L. Co., 144 12th
NEWARK—Banister & Pollard Co., 206 Market
Crane & Milligan, 54 Mechanic
Egbert W. V. & Co., 35 Mechanic
Factory Supply & Hardware Co., 47 Mechanic
Ironbound Hardware & Supply House, 228 Ferry
Kantor Bros., 134 Little
Macknet & Doremus, 796 Broad
ROE & CONOVER, 206 Frelinghuysen av. *See adv index at end of book*
Simmons Pipe Bending Works, 40 Mechanic
NEW BRUNSWICK—Weigel Philip, Jr.
Beith & Reilly Co.
ORANGE—Linsdley John N.
PASSAIC—Friedman A. & J. Co.
Friedman Bros.
New Jersey Engineering & Supply Co.
Passaic Plumbing Supply Co.
PATERSON—Mills H. W. &. Co., 59 Washington
Myers Geo. A. & Co., 63 Washington
Quinn Bros.
Smith Abe
Van Winkle J. A. Co., 168 Main
TRENTON—Katzenbach F. S. & Co.
Manufacturers Selling Co.
Warren, Balderston & Co.
WEEHAWKEN—Berger Edw. W. & Bro.

## NEW MEXICO.

ALBUQUERQUE—Whitney Hardware Co.

## NEW YORK.

ALBANY—Albany Hdw. & Iron Co.
Bates Edw. P. (of Syracuse), Fairbanks Co., 364 B'way
Dominion Asbestos & Rubber Corp., Arkay bldg
*See adv index at end of book*
Hoy & Co.
Russ Herman H. & Sons
ALBION—Waterman Store
BINGHAMTON—Gaylord & Eltapence Co.
Millar Chas. & Son Co.
Shapley & Wells
BUFFALO—Case W. A. & Sons Mfg. Co., Dixon & Ballou, 321 Ellicott
Frontier Water & Steam Sup. Co.
Hamill D. L. Co., 60 Delaware av
Ruckel J. H. & Son, 81 Main
Schaefer & Co., 146 Clinton
Warren & Dellwardt, 109 Seneca
CANANDAIGUA—Cooley A. E. & Co.
CLYDE—Wood S. W. Engine Co.
COHOES—Sweet & Doyle
GENEVA—Vance Jas. R.
GREENPORT—Hedges Samuel P.
HORNELL—McGuire Chas. F.
JAMESTOWN—Clark Hardware Co.
KINGSTON—Canfield Supply Co.
LOCKPORT—Trevor Mfg. Co.
NEWBURGH—Smith Albert C. & Co.
Smith W. L.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Jacobs Geo. P. & Co., 276 S 9th
Johnson J. D. Co., 43 Boerum pl
McElraevy & Hauck Co., 440 B'way
Munkenbeck Bros., 88 Hamilton av
Phillips, Doup & Co., 60 Pearl
Scollay John A., 74 Myrtle av
Wilfert Jno. Co., 490 Bushwick av

### Boroughs of Manhattan and Bronx.

NEW YORK—Bayne Co., 29 Sullivan
Beggs Jas. & Co., 30 Warren
*See adv index at end of book*
Behrer & Co., 81 Beekman
Beith & Reilly Co., 2475 3d av
Bernard-Greenwood Co., 20 Desbrosses
Blue & Queripel Co., 2260 3d av
Boig & Hill, 216 Fulton
Campbell Supply Co., 570 Columbus av
Cornell & Underhill, Greenwich & Spring
Crane Co. (of Chicago), 490 Cherry
Curran Supply Co., 512 W 36th
Dienst A. P. Co., 2604 3d av
Dimock & Fink Co., 220 E 125th
Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas, Asbestos), 67 Murray
*See adv index at end of book*
Donegan & Swift, 6 Murray
Du Bois F. N. & Co., 247 9th av
Dunham, Carrigan & Hayden Co. (of San Francisco, Cal), 127 Duane
Efron Jacob, 233 Broome
Fairbanks Co., 416 Broome
Flint & Chester, 237 Lafayette
Garrett W. D. & Co., 126 Liberty
Giannini G. W., 437 W 42d
Gibbons Jno. V., 133 Greenwich
Gillis & Geoghegan, 537 W B'way
Greason Mfg. Co., 108 W 99th
Gurney Heater Mfg. Co. (of Boston), 11 E 42nd
Hussey W. H. & Son, 148 W 35th
Kamerman I., 1660 Park av
Keating E. F. Co., 446 Water
Keating Jas. A. & Co., 105 Christopher
Kelly & Jones Co., 15 Park row
Larkin J. K. & Co., 34 Reade
*See adv index at end of book*
McLoughlin Supply Co., 47 Cliff
McMann Supply Co., 319 Pearl
McMANN & TAYLOR CO., 104 John
*See adv index at end of book*
McShane Bell Fdry Co., 50 Church
Malbin Mayer, 303 E 60th
Marine Mfg. & Supply Co., 158 South
Montgomery & Co., 105 Fulton
Murray John A. & Co., 310 W 39th
Nason Mfg. Co., 71 Fulton
O'Neil M. Supply Co., 25 Cliff
Page Wm. H. Boiler Co., 141 W 36th
Patterson, Gottfried & Hunter, 149 Lafayette
Peck Bros. & Co. (of New Haven, Conn.), 219 W 49th
Phelps Bros. Co., 101 Beekman
PIERCE, BUTLER & PIERCE MFG. CORP., 437 E. 162nd
Pollock Alex. Co., 203 West
Powhatan Brass & Iron Wks., 340 Hudson
Ransom Stephen, 401 West
Roberts Geo. I. & Bros., 471 4th av
Robertson Jas. L. & Sons, 78-80 Murray
Rogers H. A. Co., 87 Walker
*See adv index at end of book*
Rumsey Pump & Machine Co., 75 Warren
Russell W. A. & Co., 63 W 37th
Rutzler Enoch Co., 404 E 49th
Sarco Co., Inc., 8 Park pl, New York
*See adv index at end of book*
Schaad Paul, 179 Pearl
Shapiro A. Plumbing Supply Co., Inc.
SIMMONS JOHN CO., 110 Centre
*See adv index at end of book*
Smith H. B. Co., 10 E 39th
Standard Plumbing Supply Co., St. Ann's av & 159th
Starratt & Jones Co., 72 Greene
Tufts Walter B., 94 John
Urquhart's John S. Son & Co., 131 Liberty
Walker & Chambers, 222 E 41st
Walworth Mfg. Co. (of South Boston), 19 Cliff

### Borough of Queens.

LONG ISLAND CITY—Brodie Wm., 307 Jackson av

**(End of New York City)**

NIAGARA FALLS — Elderfield-Hartshorn Hardware Co.
NORTH TONAWANDA—American District Steam Co.
OGDENSBURG—Ogdensburg Machine Co.
OSSINING—Barlow & Co.
POUGHKEEPSIE—Adriance Plumbing & Heating Co.
ROCHESTER—Haverstick & Co.
Howe & Bassett Co.
Rochester Vacuum Valve Co.
Sloan Samuel & Co.
SAUGERTIES—Lamb's Daniel Son
SYRACUSE—Bates Edw. P. Co.
Crane Co.
Joy Edw. Co.
Kieffer Bros.
Weekes Jno. & Son Co.
TROY—Aird-Don Co.
Barnum Bros. Co.
Horan Jas. & Co.
Troy Belting & Supply Co.
UTICA—Bates Edw. P.
Millar Chas. & Son Co.
Utica Plumbing Supply Co.
WATERTOWN—Hunting Co.
Weekes Jno. & Son Co.

## NORTH CAROLINA.

CHARLOTTE—Charlotte Supply Co.
General Fire Extinguisher Co. (of Providence, R. I.)
GOLDSBORO—Dewey Bros.
GREENSBORO—Odell Hardware Co.
NEWBERN—Hyman Supply Co.
RALEIGH—Young & Hughes
WINSTON SALEM—Crawford Mill Supply Co.

## OHIO.

AKRON—Hardware & Supply Co. (Pipe & Fittings, etc), 21-29 W Market
ASHTABULA—McKinnon Iron Works Co.
BUCYRUS—Crawford Supply Co.
CANTON—Canton Hardware Co.
Scioto Valley Supply Co.
CINCINNATI—Blaesi C. W. Co., 238 E 3d
Crane Co. (of Chicago), 824 B'way
Deckebach F. C. Sons Co., 123 W Court
Dominion Asbestos & Rubber Corp., Neave bldg
*See adv index at end of book*
Geerin Bros. & Co., 423 E 8th
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly *See adv index at end of book*
Merkel Bros. Co., Canal & Jackson
Murdock Mfg. & Supply Co., 426 Plum
Nichol Thos. J. & Co., Pearl & Ludlow
Queen City Supply Co., Pearl & Elm
CLEVELAND—Bissett R. J., Guardian Bldg.
Bliss Supply Co., 815 Long av
Fisher E. W. Co., 811 Superior av, N E
Illinois Eng. Co., Williamson bldg
Kennedy Co., Euclid av
Luetkemeyer, 725 Superior av, N W
Pattison W. M. Supply Co., 777 Rockwell av
Strong, Carlisle & Hammond Co., 336 Frankfort av, N W
Ulko Supply Co.
Worthington Geo. Co., 802-832 S Clair av, N. W.
COLUMBUS—Ascher Supply Co., 236 N Third
Columbus Supply Co., 37 W Spring
Scioto Valley Supply Co., Long & 3d
Westwater Supply Co., 150 N 3d
DAYTON—Buckeye Iron & Brass Works
Dayton Supply Co.
Larkin M. D. Supply Co.
Kiefaber W. H. Co.
ELYRIA—Elyria Enameled Products Co. (Glass Enameled, Pipe & Fittings
FINDLAY—Went C. H.
GREENVILLE—Treaty Co.
HAMILTON—Walker John L. Co.
LIMA—Good Tool & Supply Co. (Also Engineers' Supplies)
MANSFIELD—Barnes Mfg. Co.
Ohio Brass Co.
*See adv index at end of book*
NAPOLEON—Heller-Aller Co.
PORTSMOUTH—Standard Supply Co.
ST. MARYS—Jasperson Supply Co.
TOLEDO—American Plumbers' Supply Co.
National Supply Co.
TROY—Hatfield & Scott
WARREN—Warren Hardware Co.
YOUNGSTOWN — Stambaugh Thompson Co.
Scholl W. J. Co.
ZANESVILLE—Roekel Co.

## OKLAHOMA.

OKLAHOMA—Crane Co. (of Chicago)

## OREGON.

ASTORIA—Fisher Bros. Co.
PORTLAND—Crane Co. (of Chicago)
Gauld Supply Co., 69 N 12th
Kline M. L. Co., 84 Front

## PENNSYLVANIA.

ALLENTOWN—Albright Son & Co.
Taylor Wm. H. & Co.
ALTOONA—Standard Supply & Equipment Co.
ASHLAND—Buck Peter E. & Sons
BRADFORD—Bovaird & Seyfang Mfg. Co.
Oil Well Supply Co.
BUTLER—Campbell J. G. & W.
CHESTER—Riley Benj. F.

STEAM FITTERS' SUPPLIES—PENNSYLVANIA—continued
CHICORA—Hays E. F. & Sons
Hoch Bros.
CLARION—Magee John A. Co.
CONSHOHOCKEN—Bate Wm. T. & Son
CORRY—Barlow Hardware Co.
DALTON—Dalton Supply Co.
DUBOIS—Dubois Iron Works
DUKE CENTER—Berry & Duke
EMLENTON—Mitchell H. B. & Co.
Weller J. A. & Sons
ERIE—Boettiger & Co.
Erie Mfg. & Supply Co.
Jarecki Mfg. Co.
FRANKLIN—Producers Supply Co.
FREELAND—Freeland Plumbing & Plumbing Supplies Co.
GREENSBURG—Kelly & Jones Co. (of Pittsburgh)
GREENVILLE—Packard H'dware Co.
HARRISBURG—Appleby Bros. & Whittaker Co..
Mather E. Co.
HAZLETON—Hazleton Machinery & Supply Co.
JOHNSTOWN—National Radiator Co.
Swank Hardware Co.
KINGSTON—Roat A. J. Supply Co.
LANCASTER—Cummings, Bevis & Levan
Raub Supply Co.
Reilly Bros. & Raub
LEBANON—Krause Geo. Hardware Co.
MECHANICSBURG—Hauck Bros.
MEYERSDALE—Shipley Hardware Co.
MOUNT JOY—Moyer Gabriel
OIL CITY—Logan Robt.
Oil Well Supply Co. (of Pittsburgh)
United Hardware & Supply Co.
PHILADELPHIA—Anchor Packing Co., Lafayette bldg
Bridgman Bros. Co., 131 S 31st
Brogan & Co., 810 Race
Cox & Sons Co., 5th & Chestnut
Crane Co. (of Chicago), 245 Master
Cressman N. C. Co., Drexel bldg
Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas, Asbestos), 110 Walnut
*See adv index at end of book*
Fleck Bros. Co., 44 N 5th
Ford & Kendig Co., 27 N 7th
Freedman Small & Co., 623 S 6th
Froelich Bros., 142 N 7th
Haines, Jones & Cadbury Co., 1136 Ridge av
Hartman Co., 1231 N Front
Haynes-Thompson Co., 2107 Vine
Hunter & Dickson Co., 241 Arch
Huyette Paul B. Co., 5 S 18th
Johnson J. D. Co. (of New York), 139 N 7th
Keystone Supply & Mfg. Co., 927 N 9th
Koons E. W. & Co. (Pipe & Fittings, etc), 911 Filbert
Lewis Steam Specialty Co. (Valves & Regulators), 1533 Cherry
McArdle & Cooney, 519 Arch
Maddock & Co., 40 N 6th
Maneely John, 309 Arch
Manning, Maxwell & Moore, Lincoln bldg
Mott J L Iron Works, 1006 Filbert
Pancoast Henry B. Co., 950 N Front
Penn Engineering Co., 1119 N Howard
Perkes Chas. (Est. of), 627 Arch
Rainear C. J. & Co., 518 Arch
Sachs Wm. A., Germantown av & Girard
Schade Valve Mfg. Co., 2528 N American
Sees & Faber Co., 2008 N Front
Shannon J. Jacob & Co., 1744 Market
Spaulding & Metcalf, 532 Arch
Standard Supply & Equipment Co., N W cor Cherry & 13th
Webb Elisha & Son Co, 136 S Front
PITTSBURGH—Bailey-Farrell Mfg. Co., 3rd av & Ross
Best Co., Arrott bldg
Bowman Supply & Mfg. Co., 890 Main
Dominion Asbestos & Rubber Corp., Union Arcade
*See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson
*See adv index at end of book*
Harris Pump & Supply Co., 320 2d av
Hickman V. Q., Union Bank bldg
Hyde Bros. & Co., Commonwealth bldg
Jarecki Mfg. Co. 311 1st av
McKnight Samuel Hardware Co., 225 Federal
Oil Well Supply Co., 215 Water
Pittsburgh Gage & Supply Co., 30th & Liberty av
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R.
Somers, Fitler & Todd Co., 325 Water
Standard Supply & Equipment Co., 29th & Smallman
Turner Chas A., Inc., 3d av & Chancery
Waite Supply Co., 1635 5th
POTTSTOWN—Fegely J. & Son
POTTSVILLE—Bright George Hardware Co.
Pottsville Supply Co.
READING—Bright & Co.
Reading Laundry & Supply Co.
Reading Heater & Supply Co.
ROUSEVILLE—Rouseville Supply Co.
SCRANTON—Everhart Brass Works
Gaylord & Butler Co.
Gunster Bros.
O'Malley Mfg. Co.
Scott Chas. B. Co.
Weeks R. E. Co.
SHAMOKIN—Sanner Hardware Co.
SHARON—Fruit-Ohl Co.
SOMERSET—Schell P. A. & Co.
TITUSVILLE—Kernochan & Co.
United Hardware & Supply Co.
TUNKHANNOCK—Billings Paul & Sons
WARREN—Pickett Hardware Co.
WILKES-BARRE—Eastern Penna. Supply Co.
Wyoming Valley Supply & Mfg. Co.
WILLIAMSPORT—Keeler E. Co.
Kline & Co.
Moltz Jacob J.
YORK—Motter's Geo F. Sons
Small P. A. & S. Co.

### RHODE ISLAND.

PAWTUCKET—Jackson Samuel Co.
PROVIDENCE—Allen & Reed, 178 Dorrance
American Supply Co., 135 Washington
Conlin J. C., 361 Washington
General Fire Extinguisher Co.
Phillips Lead & Supply Co., 91 S Main
R. I. Supply & Sprinkler Co., 156 W Exchange

### SOUTH CAROLINA.

CHARLESTON—Bailey-Lebby Co.
Cameron & Barkley Co.
Charleston Dry Dock & Machine Co.

### TENNESSEE.

CHATTANOOGA—James Supply Co.
JACKSON—Southern Engine & Boiler Mfg. Co.
KNOXVILLE—McClung C. M. & Co.
MEMPHIS—Browne & Borum Co.
Crane Co (of Chicago)
Orgill Bros. & Co.
Riechman-Crosby Co.
NASHVILLE—Bouchard Jno. & Sons Co.
Keith, Simmons & Co.
Nashville Machine Co.

### TEXAS.

AUSTIN—Tips Walter Co.
DALLAS—Briggs-Weaver Machinery Co.
Kinnison Bros.
FORT WORTH—Texas Mfg. Co.
GALVESTON—Shean Paul Co.
HOUSTON—Girten Belting & Packing Co.
Heitmann F. W. Co.
SAN ANTONIO—San Antonio Machine & Supply Co.
TYLER—Connally Walter & Co.

### UTAH.

OGDEN—Halverson Bros.
SALT LAKE CITY—Crane Co. (of Chicago), Est 1855
Salt Lake Hardware Co.

### VERMONT.

BELLOWS FALLS—Allbee Geo. B. Co.
RUTLAND—Lincoln Iron Works

### VIRGINIA.

CHARLOTTESVILLE—Thomas R. L. & Co.
Wood J. Edwin Co.
LYNCHBURG—Barker-Jennings Hardware Co.
NORFOLK—Atlantic Supply Co., Inc.
Empire Machine & Supply Corp.
Seaboard Supply Co.
Southern Supply Co.
Tidewater Supply Co., Inc.
Virginia-Carolina Supply Co.
Walke Henry Co.
White E. V. & Co.
PETERSBURG—Stratton & Bragg Co.
*See adv index at end of book*
RICHMOND—Dominion Asbestos & Rubber Corp. (Leather, Rubber, Balata, Canvas, Asbestos), 8 Governor *See adv index at end of book*
Frischkorn Hunter B. (Pipe & Fittings) 801 E Cary
Lindsay J. L. (Inc), 1321 E Main
Smith-Courtney Co.
Southern Railway Supply Co. (Pipe & Fittings), 1323 E Main
Sydnor Pump & Well Co., 1310 E Main
ROANOKE—Nelson Hardware Co. (Pipe & Fittings)
Roanoke Hardware Co.
SUFFOLK—Folk E. L. Co.

### WASHINGTON.

BELLINGHAM—Morse Hardware Co.
OLYMPIA—Olympia Hardware Co.
SEATTLE—Bowles Co., 107 Jackson
Crane Co. (of Chicago)
Puget Sound Machinery Depot, 318 1st av S
Washington Iron Works
SPOKANE—Crane Co. (of Chicago)
Holley-Mason Hardware Co.
Spokane Hardware Co.
TACOMA—Crane Co. (of Chicago)
Hunt & Mottet Co.

### WEST VIRGINIA.

CHARLESTON—Capital City Supply Co.
South Side Foundry & Machine Works
HUNTINGTON—Miller Supply Co.
RANSON—Powhatan Brass & Iron Works
WHEELING—Trimble & Lutz Supply Co.

### WISCONSIN.

EAU CLAIRE—Hobbs W. H. Supply Co.
GREEN BAY—Murphy Supply Co.
HURLEY—McConnell Hardware Co.
LA CROSSE—Roosevelt W. A. Co.
MANITOWOC—Richards Iron Works
MILWAUKEE—Bowers W. A. Heating Co., 484 Market
Downey Heating & Supply Co., 615 Clybourn
Hoffman B. Mfg. Co., 257 6th
Hoffmann & Billings Mfg. Co., 100 2nd
Mueller L. J. Furnace Co. (Heating Apparatus & Supplies)
Rom Robt. Co., 1022 St. Paul av
Rundle-Spence Mfg. Co., 63 2d
OSHKOSH—Battis Bros.
RACINE—Davis, O. C.
WAUSAU—Murray D. J. Mfg. Co.

## Steam Heating Apparatus

See Heaters, Steam & Hot Water; also Radiator Manufacturers; also Valve Manufacturers, Various Kinds; also Steam Fitters' Supplies, etc.

## 14189a— *Steamship Agents

**PAGE & JONES**, Mobile, Ala.
*See adv index at end of book*

## 14190— Steam Supplies

Bower Jas. & Co., Inc. (Specialties), Park bldg, Pittsburgh, Pa.
Detroit Steam Appliance Co., Union Trust bldg, Detroit, Mich.
Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.
Ross Valve Mfg. Co., Troy, N. Y.
Simplex Heating Specialty Co., Lynchburg, Va.
Wright-Austin Co. (Specialties), Detroit, Mich.

## Steam Tables for Culinary Purposes

See Cooking Apparatus

## 14191— Steamers (Barrel)

Heltzel Steel Form & Iron Co., Warren, O.
Oram John S. Co., 1316 E 53rd, Cleveland, O.

## 14192-3— Steamers (Grain)

Beall Improvements Co., Inc., Decatur, Ill.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
Wolf Co., Chambersburg, Pa.

## 14194— Stearine

**American Cotton Oil Co. (Cotton Seed), 55 B'way, New York**
**Armour & Co., 208 La Salle, Chicago, Ill.**
**Consolidated Rendering Co., 40 N Market, Boston, Mass.**
**Cudahy Packing Co., 111 W Monroe, Chicago, Ill.**
**Emery Candle Co. (For Metal Polish), Cincinnati, O.**
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Klipstein A. & Co. (Wool, Imp.), 644 Greenwich, New York
**Marden, Orth & Hastings Co. (Imp.), 136 Liberty, New York**
Morris & Co., W. S. Yards, Chicago, Ill.
**N. Y. Butchers' Dressed Meat Co., 11th av & 39th, New York**
**Pacific Coast Beef & Provision Co. (Oleo, etc.), Los Angeles, Cal.**
**Reardon John & Sons' Co. (Oleo), Cambridge, Mass.**
**Scheel Wm. H. (Jobbers), 159 Maiden la, New York** *See adv index at end of book*
Southern Oil Treating & Hardening Co., Atlanta, Ga.
**Swan Alden S. & Co., 135 Front, New York**
**Swift & Co., Union Stock Yards, Chicago, Ill.**

## 14195—Steel (Agricultural Implement)

**See also Steel Bar Mills; also Steel, Crucible**

American Sheet & Tin Plate Co. (Sheet), **Frick bldg, Pittsburgh, Pa.**
**American Tube & Stamping Co., Bridgeport, Conn.**
**Buffalo Steel Co. (Bessemer, Harrow & Cultivator Bars, Plow Beams, etc.), Tonawanda, N. Y.**
**Calumet Steel Co. (Bessemer Cultivator Bars, Harrow Tooth Bars, U Harrow Bars, Angles, Channels, etc), 208 S La Salle, Chicago, Ill.**
Cambria Steel Co. (Bar, Slab & Plow Steel & Shapes, Cultivator & Coulter Steel), Widener bldg, Phila., Pa.
Carbon Steel Co., foot 32nd, Pittsburgh, Pa.
Colonial Steel Co. (Soft Center, Crucible & Open Hearth Plow Steel, etc), 324 4th av, Pittsburgh, Pa.
**Colorado Fuel & Iron Co. (Open Hearth), Denver, Colo.**
**Crucible Steel Co. of America (Crucible & Open-Hearth), Oliver bldg, Pittsburgh, Pa.**
Electric Alloy Steel Co., Youngstown, O.
**Elyria Iron & Steel Co. ("Elisco" High Carbon Shapes, Angles, Tubing, etc.), 232 E 131st, Cleveland, O.**
**Farist Steel Co., Bridgeport, Conn.**
Ferro Concrete Products Co., 53 W Jackson blvd, Chicago, Ill.
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**Harrow Spring Co., Milwaukee, Wis.**
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
**Inland Steel Co., First Nat'l Bank bldg, Chicago, Ill.**
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Judson Mfg. Co. (Open Hearth), 819 Folsom), San Francsico, Cal.
**Kaufman E. & Co., Farmers Bank bldg, Pittsburgh, Pa.**
**Kelly G. A. Plow Co., Longview, Tex.**
La Belle Iron Works (Special Plates, Plow Slabs, etc), Steubenville, O.
**Lackawanna Steel Co. (Bessemer & Open-Hearth), Buffalo, N. Y.**
**Laclede Steel Co. Arcade bldg, St. Louis, Mo.**
**LANCASTER STEEL PRODUCTS CORP.,** Lancaster, Pa.
*See adv index at end of book*
McInnes Charles E. & Co., Mariner & Merchants bldg, Phila., Pa.
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
Republic Iron & Steel Co. (Angles, Channels, Plow Beams, U Bars, etc), Youngstown, O.
***See Branch Offices Alphabetical Section***
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Sweets Steel Co., Williamsport, Pa.
Union Drawn Steel Co. (Cold Drawn), Beaver Falls, Pa.

## 14196— Steel (Alkali Drum)

**American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**

## 14197—Steel (Alloy & Carbon)

**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
***See adv index at end of book***
American Rolling Mill Co. ("Armico"), Middletown, O.
Anglo-Saxon Supply Co., Inc., 290 Pearl, New York *See adv index at end of book*
**Atlas Crucible Steel Co. ("E. B." Alloy), Dunkirk, N. Y.**
**Becker Steel Co. of Am., 154 Nassau, New York**
**Bethlehem Steel Co. (Alloy), So. Bethlehem, Pa.**
Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
**Cyclops Steel Co., 120 B'way, New York**
**ELECTRIC STEEL & FORGE CO.,** 6600 Grant av, Cleveland, O.
*See adv index at end of book*
Electro Steel Co., Inc. ("Gysinge" Alloy & Ultissimus" Chrome), Curry bldg, Pittsburgh, Pa.
Erie Crucible Steel Co. (Alloy), Erie, Pa.
Frasse Peter A. & Co. (Inc.), 417 Canal, New York. Works: Hartford, Conn.
**FULLER STEEL & IRON CO.,** Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
**Gladium Co., 127 Duane, New York**
Grand Lake Products Co., Inc., 431 So. Dearborn, Chicago, Ill.
**HARRISBURG PIPE & PIPE BENDING CO.,** Herr nr. 10th, Harrisburg, Pa.
**Harrow Spring Co., Milwaukee, Wis.**
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
**HAWKRIDGE BROS. CO.,** 303 Congress, Boston, Mass. *See adv index at end of book*
Heller Bros. Co., 890 Mt. Prospect av, Newark, N. J.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*


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ALLOY STEELS

Our line of manufacture takes in all grades of alloy steels in Bars, Billets and Slabs. The bars we can furnish hot rolled, cold drawn and heat treated or annealed to specifications.

We pioneered the manufacture of alloy steels and our experience enables us to furnish high grade steels for all purposes.

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Canton, Ohio

New York
Detroit
Philadelphia

Chicago
Cleveland
Syracuse

San Francisco
Indianapolis
Portland

1557

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*All Kinds in Stock*

## ARTHUR C. HARVEY CO.

Harvey Steel Road, Allston District Boston, Mass.


STEEL (ALLOY & CARBON)—continued

International High Speed Steel Co., 99 Nassau, New York

Hess Steel Corp. (Electric), Loneys la & Biddle, Baltimore, Md.

Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.

Iron Trade Products Co. (Alloy), Farmers Bank bldg, Pittsburgh, Pa.

Johnson Frank H. (Alloy), 208 S La Salle, Chicago, Ill.

**La Salle Steel Co. (Alloy), S Halsted & 23rd, Chicago, Ill.**

Lancaster Steel Products Co., Lancaster, Pa. *See adv index at end of book*

**Latrobe Electric Steel Co., Latrobe, Pa.**

Ludlum Steel Co. (Alloy Tool), Watervliet, N. Y.

**Midvale Steel & Ordnance Co. (Alloy), Widener bldg, Phila., Pa.**

**National Pressed Steel Co., Massilon, O.**

National Sales & Trading Co., Cleveland, Ohio

Ontario Electric Steel Co., Inc., Fulton, N. Y.

Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*

Ryerson Jos. T. & Son, 910 Corn Exchange bldg, Chicago, Ill. *See adv index at end of book*

Standard Steel & Wire Co., 549 W Washington blvd, Chicago, Ill. *See adv index at end of book*

### 14198—*Steel (Angles, Channels & Shapes)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*

Froment & Co., 150 Bank, New York

Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

**HYDRAULIC STEELCRAFT CO.**, Cleveland, O.

National Sales & Trading Co., Cleveland, O.

### 14198a—Steel Angles, Channels, T Beams & Tees

See also Steel Structural Mills, and note the matter following each name

Baker W. W. & Co., 940 N Front, Phila., Pa. *See adv index at end of book*

Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*

**FISHEL & MARKS CO.**, ft. of Krakow av, Cleveland, O. *See adv index at end of book*

Larkin J. K. & Co. (Also Iron), 34 Reade, New York *See adv index at end of book*

Lukens Steel Co., Coatsville, Pa.

**VEITHARDT STEEL & METAL CORP.**, 15 Park Row, New York

### 14199—Steel Automobile Sheets

See also Iron & Steel Sheet, Black and Galvanized

American Rolling Mill Co. ("Armco"), Middletown, O.

**American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**

Columbia Steel Co. (Frame Steels), Elyria, O.

Crowley John A. Co., 120 Liberty, New York

Falcon Steel Co., Niles, O.

Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.

Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass. *See adv index at end of book*

La Belle Iron Works, Steubenville, O.

**La Salle Steel Co., S Halsted & 23rd, Chicago, Ill.**

Massillon Rolling Mill Co. (Bessemer & Open Hearth), Massillon, O.

Newton Steel Co., Youngstown, O.

**Taylor W. & G. Co., Mariner & Merchant bldg, Phila., Pa.**

Waterbury Button Corporation, 831 South Main, Waterbury, Conn. *See adv index at end of book*

West Penn Steel Co., Brackenridge, Pa.

**Wood Alan Iron & Steel Co. ("A. W."), Widener bldg, Phila., Pa.**

**Worcester Pressed Steel Co., Worcester, Mass.**

**Wyoming Shovel Works (Open-Hearth, Nickel & Nickel Chrome), Wyoming, Pa.**

### 14200—Steel (Automobile, Special)

Electric Alloy Steel Co., Youngstown, O.

Frasse Peter A. & Co. (Inc.), 417 Canal, New York. Works: Hartford, Conn.

Hammond Steel Co., Inc., Syracuse, N. Y

Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.

International High Speed Steel Co., 99 Nassau, New York

### Steel Bands & Hoops

See Iron & Steel, Band & Hoop

### 14201— Steel Bar Mills

See also Iron Bar Mills; also Steel Crucible

American Bridge Co. (Open Hearth), 30 Church, New York

American Car & Foundry Co. (Open Hearth Rounds, Flats & Squares), **Syndicate Trust bldg, St. Louis, Mo.**

American Horse Shoe Co. (Steel Bars), Phillipsburg, N. J.

American Rolling Mill Co. (Basic Open Hearth), Middletown, O.

American Tube & Stamping Co. (Open-Hearth), Bridgeport, Conn.

Armstrong Geo. W. & Co., Inc. (Steel Bars), Fort Worth, Texas

Atlantic Steel Co. (Basic Open Hearth, Rounds, Flats, Squares, etc), Atlanta, Ga.

Atlas Crucible Steel Co. (High Grade Crucible, LXX High Speed Steels, "Atlas" Tempering Steels, in Squares, Rounds, Flats, Hexagons, ect., for Tools, Drills, Dies, etc.), Dunkirk, N. Y.

Bethlehem Steel Co. (Nickel & Nickel Chrome for Files, Screws, Wire Rods, etc), South Bethlehem, Pa.

**Booth J. B. & Co., 216 E Robinson, Pittsburgh, Pa.**

Braeburn Steel Co. (Open Hearth & Crucible Bar & Tool Steel), Braeburn, Pa.

Brown & Co. (Crucible Bar & Tool Steel), 10th & Duquesne way, Pittsburgh, Pa.

Buffalo Steel Co. (Bessemer Steel), Tonawanda, N. Y.

Calumet Steel Co. (Bessemer Rounds Deformed, Squares, Flats, Angles, Channels, etc) 208 S La Salle Chicago Ill.

Cambria Steel Co. (Rounds, Squares & Flats), Widener bldg, Phila., Pa.

Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.

Carnegie Steel Co. (Open Hearth & Bessemer Merchant Bar), Carnegie bldg, Pittsburgh, Pa.

**Carpenter Steel Co.** (Crucible Tool Steel), Reading, Pa.

**Chrome Steel Works** (Acid & Open-Hearth), Chrome, N. J.

Colonial Supply Co. (Dealers Only), 217 Water, Pittsburgh, Pa. *See adv index at end of book*

Colorado Fuel & Iron Co. (Bessemer & Open Hearth Merchant Bars), Denver, Colo.

**Columbia Tool Steel Co.** (Rolled & Hammored Crucible Tool & Machinery), 552 W Lake, Chicago Heights, Ill.

Compressed Steel Shafting Co. (Cold Drawn Steel Bars), Readville, Mass.

Conners-Weyman Steel Co. (Merchant Bars), Birmingham, Ala.

Crucible Steel Co. of America (Crucible & Open Hearth Merchant Bar & Hammered & Rolled Tool Steel), Oliver bldg, Pittsburgh, Pa.

Cyclops Steel (Forged Crucible Steel, Rounds, Squares, Flats, etc), 120 B'way, New York

Davis Bros., 29th & Bristol, Philadelphia, Pa.

Eckels-Nye Steel Co. (Bessemer & High Carbon Merchant Steel), Syracuse, N. Y.

**ELECTRIC STEEL & FORGE CO.** (Alloy & Carbon Tool Bars), 6600 Grant av, Cleveland, O. *See adv index at end of book*

Empire Galvanizing Co., 2507 E Cumberland, Phila, Pa.

Empire Rolling Mill Co. (Merchant Bar Steel), Bessemer & C. & P. Ry., Cleveland, O.

Erie Iron & Steel Co., Erie, Pa.
**Falls Hollow Staybolt Co. (Staybolt), Cuyahoga Falls, O.**
Farist Steel Co. (Rolled & Hammered Crucible & Open Hearth), Bridgeport, Conn.
**Firth-Sterling Steel Co. ("Blue Clip" Crucible Tool Steel), McKeesport, Pa.**
Ft. Wayne Iron Steel Rolling Mills,, W Taylor, Ft. Wayne Ind.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Gulf States Steel Co. (Merchant Bars, Round and Square Edge Steel Tire, Flats, Round & Square), Birmingham, Ala.
**HALCOMB STEEL CO.** (High Grade Crucible Tool Steel & Rolled & Hammered Crucible & Electric Steel), Syracuse, N. Y. *See adv index at end of book*
Harrow Spring Co. (Merchant & Machinery Steel), Milwaukee, Wis.
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
**Highland Iron & Steel Co. (Merchant Bar), Terre Haute, Ind.**
Illingworth Jno. Steel Co. (Hammered & Rolled Crucible Steel Bars; also Rerolled & Hammered Open Hearth Steel), Tacony & Lewis, Philadelphia, Pa.
Illinois Steel Co. (Merchant Bars, Bessemer & Open Hearth), 208 S La Salle, Chicago, Ill.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
**Inland Steel Co.** (Merchant & Concrete Reinforcing), First Nat'l Bank bldg, Chicago, Ill.
International High Speed Steel Co. ("Bulldog," 'Bulldog Special" International), 99 Nassau, New York
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**JANSON STEEL & IRON CO.** (Rounds, Flats, Squares, etc), Columbia, Pa.
Jones & Laughlin Steel Co. (Rounds, Squares, Ovals, Flats, Hexagons, etc), Ross, Pittsburgh, Pa.
Judson Mfg. Co. (Steel Bars), 819 Folsom, San Francisco, Cal.
Lackawanna Steel Co. (Open Hearth Merchant, Steel Bars, Rounds, Squares & Flats, for Car Builders, Agricultural Implements, Bolts, etc), Buffalo. N. Y.
Laclede Steel Co., Federal Reserve Bk bldg, St. Louis, Mo.
**LANCASTER STEEL PRODUCTS CORP.**, Lancaster, Pa.
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Latrobe Electric Steel Co., Latrobe, Pa.
Lebanon Valley Iron & Steel Co. (Open Hearth Rounds, Squares, Flats, etc), Lebanon, Pa.
Lockhart Iron & Steel Co. (Soft Steel in Bars), McKees Rocks, Pa.
Logan Iron & Steel Co. (Bessemer & Open Hearth Rounds, Flats, Squares, etc), St. Girard bldg., Phila., Pa.
Ludlum Steel Co. (Pure Carbon Crucible Tool Steel for Taps, Dies, Cutters, Reamers, Chisels, Drills, etc), Watervliet, N. Y.
McInnes Steel Co. (Ltd.), (Hammered Tool Steel, High Speed Steel & "Cello" Vanadium Oil Hardening Steel), Corry, Pa.
Nicetown Plate Washer Co. (Medium Steel Bars), 1824 Juniata, Phila., Pa.
Ohio Falls Iron Co., New Albany, Ind.
**Flats & Special Shapes), S 10th & Muriel, Pittsburgh, Pa.**
Oliver Iron & Steel Co. (Rounds, Squares,
**Pacific Coast Steel Co. (Merchants Bars., etc.), Rialto bldg, San Francisco, Cal.**
Pardee C. Works (Merchant Bars & Angles), Perth Amboy, N. J.
Philadelphia Steel & Forge Co. (Rolled & Hammered Steel Bars), 50 Church, New York. Works: Tacony, Phila., Pa.
Pigott Thos E, 632 Frankfort av, Cleveland, O.
Pittsburgh Crucible Steel Co. (⅜ to 2 inch Rounds, All Sizes Squares & Merchant Flats), Midland, Pa.
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
Railway Steel Spring Co. (Open Hearth Flats, Rounds, Squares, etc), 30 Church, New York
**REPUBLIC IRON & STEEL CO.** (Soft & Hard Merchant Steel), Youngstown, O.
*See Branch Offices Alphabetical Section*
Rockaway Rolling Mill (Steel Bars), Rockaway, N. J.
Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.
**SIMONDS MFG. CO.** (Electric Furnace) Lockport, N. Y.
*See adv index at end of book*
Southern California Iron & Steel Co., E 4th & Mateo, Los Angeles, Cal.
**Sweets Steel Co.** (Merchant Bar Steel. Special Open Hearth, Flat, Round, Square, Ovals, etc), Williamsport, Pa.
Tacony Steel Co., Tacony, Phila., Pa.
Taylor N. & G. Co., 300 Chestnut bldg., Phila., Pa.
Tennessee Coal, Iron & Railroad Co. (Steel Bars), Birmingham, Ala.
Timken Roller Bearing Co., Canton, O.
Union Rolling Mill Co. (Soft Steel Bars), Aetna rd & E 82nd, Cleveland, O.
**UNITED ALLOY STEEL CORP.** (Round, Flat & Square Steel), Canton. O.
*See adv index at end of book*
Upson Nut Co. (Basic Open Hearth up to 1½ in. Diameter Rounds, Flats & Squares), Cleveland, O.
Vulcan Crucible Steel Co. (Crucible & Open Hearth Rolled & Forged), Aliguippa, Pa.
Youngstown Sheet & Tube Co., Youngstown, O.

## 14201a— Steel Bars

See also Steel Bar Mills

Anglo-Saxon Supply Co., Inc., 290 Pearl, New York *See adv index at end of book*
Baker W. W. & Co., 940 N Front, Phila., Pa. *See adv index at end of book*
Electric Steel & Forge Co., Cleveland, O.
*See adv index at end of book*
Fishel & Marks Co., ft of Krakaw av, Cleveland, O. *See adv index at end of book*
Ft. Wayne Iron Steel Rolling Mills, W. Taylor, Ft. Wayne, Ind.
*See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

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STEEL BARS—continued

**HARVEY ARTHUR C. CO.,** Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*
Hess Steel Corp. (Electric), Loney's la & Briddle, Baltimore, Md.
International High Speed Steel Co., 99 Nassau, New York
**RYERSON JOS. T. & SON (Merchant),** 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.; 2208 N 2d, St. Louis, Mo.; 30 Church, New York; 726 Ford bldg, Detroit, Mich.
*See adv index at end of book*
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

## 14202—Steel Bars (Chrome Nickel)

**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
**Central Steel Co. ("Agathon" Bars, Billets & Slabs) Massillon, O.**
**Crowley John A. Co., 120 Liberty, New York**
Electric Alloy & Steel Co., Youngstown, O.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**HALCOMB STEEL CO., Syracuse, N. Y.**
*See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*
**HAWKRIDGE BROS. CO.,** 303 Congress, Boston, Mass. *See adv index at end of book*
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
International High Speed Steel Co., 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**Laclede Steel Co., Arcade bldg., St. Louis, Mo.**
Lancaster Steel Products Co., Lancaster, Pa. *See adv index at end of book*
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
**UNITED ALLOY STEEL CORP.** ("Tusco"), Canton, O.
*See adv index at end of book*

## 14203—Steel Bars (Finished)

**See also Shafting, Polished Steel**

Erie Iron & Steel Co., Erie, Pa.
**FISHEL & MARKS CO.,** ft. of Krakow av, Cleveland, O.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Grand Lake Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Hammond Steel Co., Inc., Syracuse, N. Y.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
International High Speed Steel Co., 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Lancaster Steel Products Co., Lancaster, Pa. *See adv index at end of book*
Standard Gauge Steel Co. (Rounds, Squares, Flats, Hexagon & Finished Shapes), Beaver Falls, Pa.

## Steel Bars for Reinforced Concrete

**See Concrete Reinforcing Bars, Iron & Steel; also Concrete Reinforcing Materials**

## 14204— Steel Bars (Nickel)

**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
Boker H. & Co., Inc. ("Novo Superior", "Intra", "Gibraltar"), 101 Duane, New York
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
**Central Steel Co. ("Agathon" Bars, Billets & Slabs) Massillon, O.**
Crowley John A. Co., 120 Liberty, New York
Electric Alloy Steel Co., Youngstown, O.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**HALCOMB STEEL CO., Syracuse, N. Y.**
*See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
International High Speed Steel Co., 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Lancaster Steel Products Co., Lancaster, Pa. *See adv index at end of book*
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
United Alloy Steel Corp., Canton, O.
*See adv index at end of book*

## 14205—Steel Bars (Vanadium)

**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
**Bethlehem Steel Co. (Open Hearth), S Bethlehem, Pa.**
Carnegie Steel Co. (Open Hearth), Carnegie bldg, Pittsburgh, Pa.
**Carpenter Steel Co. (Crucible), Reading, Pa.**
**Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.**
**Crowley John A. Co., 120 Liberty, New York**
**Crucible Steel Co. of America (Crucible & Open Hearth), Oliver bldg, Pittsburgh, Pa.**
Electric Alloy Steel Co., Youngstown, O.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*
**Cyclops Steel Co. (Crucible), 120 B'way, New York**
Fairley-Davidson Steel Co., 122 Maiden la, New York
**Firth-Sterling Steel Co. (Crucible), McKeesport, Pa.**
**FULLER STEEL & IRON CO.,** Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**HALCOMB STEEL CO.** (Crucible & Electric Furnace), Syracuse, N. Y.
*See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
*See adv index at end of book*
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*
**Hawkridge Bros. Co., 303 Congress, Boston, Mass.**
*See adv index at end of book*
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
International High Speed Steel Co., 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kaufman E. & Co., Farmers Bank bldg, Pittsburgh, Pa.
**Laclede Steel Co., Arcade bldg, St. Louis, Mo.**
Lancaster Steel Products Co., Lancaster, Pa. *See adv index at end of book*
**Latrobe Electric Steel Co., Latrobe, Pa.**
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
**United Alloy Steel Corp. (Electric & Open Hearth), Canton, O.**
*See adv index at end of book*
Vanadium-Alloys Steel Co. (Crucible), Latrobe, Pa.
Vulcan Crucible Steel Co. (Crucible & Acid Open Hearth), Aliquippa, Pa.

## Steel Beams

**See Steel Structural Mills**

## 14206—Steel Bedstead Angles

**See also Steel Structural Mills; also Tubing, Various Kinds**

**Buffalo Steel Co. (Bessemer Steel), Tonawanda, N. Y.**
**Eckels-Nye Steel Co., Syracuse, N. Y. 30 Church, New York**
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Great Lakes Steel Co., Inc., 431 S Dearborn, Chicago, Ill.
**Inland Steel Co., First National Bank bldg, Chicago, Ill.**
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**Laclede Steel Co., Arcade bldg, St. Louis, Mo.**
Sweets Steel Co. (High Carbon Steel), Williamsport, Pa.

## Steel Billets & Blooms

**See Billets, Blooms & Slabs, Steel**

## Steel Boiler & Tank Plate

**See Iron & Steel Boiler & Tank Plate**

## 14207— Steel Bridge Plate

American Bridge Co. (Open Hearth), 30 Church, New York
Carbon Steel Co. (Open Hearth), ft 32nd, Pittsburgh, Pa.

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BLOOMS
BILLETS
SHEET BARS
WIRE RODS

**FABRICATED STEEL**

**TIN PLATE**

**Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.**
Central Iron & Steel Co., Harrisburg, Pa.
**Cleveland Steel Co., Rockefeller bldg, Cleveland, O.**
**Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.**
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**Glasgow Iron Co. (Open Hearth Steel; also Iron), Pottstown, Pa.**
**Illinois Steel Co., 208 S La Salle, Chicago, Ill.**
Inland Steel Co., First Nat'l Bank bldg, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
**Lukens Steel Co. (Open Hearth), Coatesville, Pa.**
**Maryland Steel Co., Sparrows Point, Md.**
Republic Iron & Steel Co., Youngstown, O. *See Branch Offices Alphabetical Section*

## Steel Bridges

See Steel Structural Work

## Steel Buildings

See Steel Structural Work

## Steel Ceilings

See Ceilings, Sheet Steel

## Steels Channels

See Steel Structural Mills

## 14207a— Steel (Chimneys)

Graver Corp., E Chicago, Ind. *See adv index at end of book*

## 14208— Steel (Cold Drawn)

Aero Wks. Inc., 89 Warren, New York
Alborn Steel Co., 22 Clarke, New York
**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York *See adv index at end of book*
**AMERICAN STEEL & WIRE CO., (In All Shapes, 208 S La Salle, Chicago, Ill.** *See adv index at end of book*
Atlas Crucible Steel Co. (Drill Rod, High Speed & Carbon), Dunkirk, N. Y.
**BLANCKE A. C. & CO.**, 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Cambria Steel Co. (Rounds, Squares, Hexagons Flats, Angles, Tees & Zees, Widener bldg, Philadelphia, Pa.
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
**Carpenter Steel Co. (Crucible Steel & Wires), Reading, Pa.**
**Columbia Steel & Shafting Co. (Drawn & Polished Squares, Flats, Hexagons & Shapes, etc), Kirkwood, Pittsburgh, Pa.**
Compressed Steel Shafting Co., Readville, Mass.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America (Crucible, **Bright Drawn), Oliver bldg, Pittsburgh, Pa.**
Disston Hy. & Sons, Tacony, Phila., Pa.
Fitzsimons Co., Youngstown, O.
Frasse Peter A. & Co., Inc., 417 Canal, New York. Works: Hartford, Conn.
**FULLER STEEL & IRON CO.**, Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**HALCOMB STEEL CO.** (Crucible & Electric), Syracuse, N. Y. *See adv index at end of book*
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass. *See adv index at end of book*
**HAWKRIDGE BROS. CO.**, 303 Congress, Boston, Mass. *See adv index at end of book*
Hercules Electric Steel Corp., 145 Lafayette, New York
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Johnson Frank H., 208 S La Salle, Chicago, Ill.
Jones & Laughlin Steel Co. (Rounds, Squares, Hexagons, Flats, Angles, **Zees, etc.), Ross, Pittsburgh, Pa.**
Kidd Drawn Steel Co. (Free Cutting Screw, etc), Aliquippa, Pa.
**LANCASTER STEEL PRODUCTS CORP.** (Rounds, Squares, Drill Rods & Shapes), Lancaster, Pa. *See adv index at end of book*
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Ludlum Steel Co., Watervliet, N. Y.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa. *See adv index at end of book*
**Molhrup Steel Products Co. (Flats, Squares, Hexagons), Beaver Falls, Pa.**
National Drawn Steel Co. (Drills, Rods & Shapes), East Liverpool, O.
Newman C. Wire Co., 25 Church, New York
New England Drawn Steel Co., Mansfield, Mass.
Pardee C. Works (Finished Shapes, Rounds, Squares, Hexagon & Flats, Turned & Polished Shafting), Perth Amboy, N. J.
Peerless Drawn Steel Co. (Rounds, Hexagons, Squares & Flats), Massillon, O.
Pittsburgh Shafting Co., of Detroit (Die Drawing, Nickel, etc), 346 W Fort, Detroit, Mich.
Pittsburgh Tool Steel Wire Co. (Tool for Twist Drills, Taps, etc), Monaca, Pa.
**PURDY A. R. CO., INC.**, 130 Christopher, New York *See adv index at end of book*
Republic Iron & Steel Co. (Piston & Pump Rods, Lead, Screws, Fine Machine Rods, Line Shafting, etc), Youngstown, O. *See Branch Offices Alphabetical Section*
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
Standard Gauge Steel Co., Beaver Falls, Pa.
Standard Steel & Wire Co. (Rounds), 549 W Washington bldg, Chicago, Ill. *See adv index at end of book*
Stevens Chas. G. Co., 33 S Jefferson, Chicago, Ill.
Tacony Steel Co., Tacony, Phila., Pa.
Union Drawn Steel Co. (Rounds, Flats, Squares, Hexagons & Shapes), Beaver Falls, Pa.
United Alloy Steel Corp. (Alloy Steel Bars, Open Hearth, & Electric Furnace), Canton, O. *See adv index at end of book*

STEEL (COLD DRAWN)—continued

**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

**WETHERELL BROS. CO.**, 251 Albany, Cambridge, Mass.
*See adv index at end of book*

## 14209—Steel (Cold Drawn Shapes)

Atlas Crucible Steel Co., Dunkirk, N. Y.

Boston Pressed Metal Co., 170 Union, Worcester, Mass.

**DAHLSTROM METALLIC DOOR CO.**, (Including Angles, Channels & Z Bars, Castings & Cap Mouldings in the Cold Drawn Process, Cut to Specified Lengths and Bent Any Desired Shape), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*

Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*

Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

**Hawkridge Bros. Co., 303 Congress, Boston, Mass.** *See adv index at end of book*

International High Speed Steel Co., 99 Nassau, N. Y.

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

**LANCASTER STEEL PRODUCTS CORP.**, Lancaster, Pa.
*See adv index at end of book*

Livermore Homer F., Inc., 85 Pearl, Boston, Mass.

**Molthrup Steel Products Co., Beaver Falls, Pa.**

Peerless Drawn Steel Co. (Special Sections, Alloy Steels), Massillon, O.

**Standard Gauge Steel Co., Beaver Falls, Pa.**

**WARD'S EDGAR T. & SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

## 14210—Steel (Cold Drawn Vanadium)

Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.

Crowley John A. Co., 120 Liberty, New York

Crucible Steel Co. of America (Cold Rolled & Drawn) ,Oliver bldg. Pittsburgh, Pa

Electric Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*

Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*

Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

**HALCOMB STEEL CO.**, Syracuse, N. Y.
*See adv index at end of book*

Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*

Hawkridge Bros. Co., 303 Congress, Boston, Mass.
*See adv index at end of book*

International High Speed Steel Co., 99 Nassau, N. Y.

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

**LANCASTER STEEL PRODUCTS CORP.**, Lancaster, Pa.
*See adv index at end of book*

Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*

Union Drawn Steel Co. (Cold Drawn, Bars, Flats, Rounds, Squares & Hexagons), Beaver Falls, Pa.

United Alloy Steel Corp., Canton, O.
*See adv index at end of book*

## 14211—Steel (Cold Rolled)

Acme Steel Goods Co. (Light-Hoop, Pickled & Oiled or Cold Rolled, Large Coils), 2834 Archer av, Chicago Ill.

Aero Wks. Inc. (Band Saw Steel), 89 Warren, New York

Allegheny Steel Co. (Pickled & Cold Rolled Steel Sheets), Oliver bldg, Pittsburgh, Pa.

**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York
*See adv index at end of book*

American Sheet & Tin Plate Co. (Sheet), Frick bldg., Pittsburgh, Pa.

American Steel Co. (Flat), Park bldg, Pittsburgh, Pa.

**AMERICAN STEEL & WIRE CO.** (Flat Wire, etc.), 208 La Salle, Chicago, Ill.
*See adv index at end of book*

American Tube & Stamping Co. (Hoops, Bands, Strips & Sheets), Bridgeport, Conn.

Athenia Steel Co., 135 William, New York

**BARNES THE WALLACE CO.** ("Barnes-Made" High Carbon Spring), 18 Wallace, Bristol, Conn.
*See adv index at end of book*

**BLANCKE A. C. & CO.** (To Harden & Temper), 116 Michigan av, Chicago, Ill. *See adv index at end of book*

Brier Hill Steel Co. (Open Hearth Steel Sheets), Youngstown, O.

Cambria Steel Co. (Rounds, Squares, Hexagons, Flats, Angles, Tees & Zees), **Widener bldg, Philadelphia, Pa.**

Canton Sheet Steel Co. (Sheets), Canton, O.

Carpenter Steel Co. (Crucible Steels & Wires), Reading, Pa.

Columbia Steel Co. (Polished Sheets, Bars, Strips, etc), Elyria, O.

Crowley John A. Co., 120 Liberty, New York

**Crucible Steel Co. of America (Crucible, Flats, etc), Oliver bldg, Pittsburgh, Pa.**

Cumberland Steel Co. (Flats, Squares & Hexagons), Cumberland, Md.

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

**FULLER STEEL & IRON CO.**, Park bldg, Pittsburgh, Pa.
*See adv index at end of book*

Fulton Fdry Co., 1209 Marquette av, Cleveland, O.

Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

Griffin Mfg. Co., Erie, Pa.

Halcomb Steel Co. (Cold Crucible), Syracuse, N. Y. *See adv index at end of book*

Haring Ellsworth ("Elhar" To Temper), 114 Liberty, New York

**HARVEY ARTHUR C. CO.**, Harvey Steel rd, Allston dist, Boston, Mass.
*See adv index at end of book*

Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*

**HAWKRIDGE BROS. CO.**, 303 Congress, Boston, Mass. *See adv index at end of book*


# LANCASTER STEEL

Cold Drawn 3½% Nickel Steels
Cold Drawn Chrome Nickel Steels
Cold Drawn Chrome Vanadium Steels
Cold Drawn Special Shapes
Brake Band Steel
Cold Drawn Bessemer and Open Hearth Screw Stock
Cold Drawn Steels of Special Analysis
Cold Rolled High and Low Carbon Strip Steels
Diaphragm Steel

**Lancaster Steel Products Corporation**

*MILLS:* LANCASTER, PA.

*OFFICES:* NEW YORK HARTFORD CHICAGO DETROIT

Illingsworth Jno. Steel Co. (Shapes & Bevels), Tacony & Lewis, Philadelphia, Pa. Works: Reading, Pa.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
Inland Steel Co. (Basic Open Hearth Sheets), First Nat'l Bank bldg, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jones & Laughlin Steel Co. (Hexagons, Squares, Flats, Bars, Rods, etc), Ross, Pittsburgh, Pa.
Kidd Drawn Steel Co. (Flats), Aliquippa, Pa.
**LANCASTER STEEL PRODUCTS CORP.**, Lancaster, Pa.
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
Massillon Rolling Mill Co., Massillon, O.
Newman C. Wire Co., 25 Church, New York
Otis Steel Co. (Sheets), Leader-News bldg, Cleveland, O.
Parkersburg Iron & Steel Co. ("National" Bessemer Sheets), Parkersburg, W. Va.
Pigott Thos. E., 632 Frankford av, Cleveland, O.
Pittsburgh Cold Rolled Steel Co., 39th & P. R. R., Pittsburgh, Pa.
Pittsburgh Shafting Co. of Detroit, 346 W Fort, Detroit, Mich.
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
Republic Iron & Steel Co. (Rounds), Youngstown, O.
*See Branch Offices Alphabetical Section*
Rownson, Drew & Clydesdale, Inc., 80 Wall, New York
Ryerson Jos. T. & Son (Shafting), 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Schwartz Herrmann, 121 Nassau, New York
Standard Steel & Wire Co., 549 W Washington bldg, Chicago, Ill.
*See adv index at end of book*
Stark Rolling Mill Co. (Sheets), Canton, O.
Strong Homer, Rochester, N. Y.
Superior Steel Co. (For Stamping, Drawing, etc), Carnegie, Pa.
Union Drawn Steel Co. (Rounds, Flats, Squares, Hexagons, Sheets & Shapes, Bessemer, Open Hearth, Crucible, Cold Die Rolled Steel), Beaver Falls, Pa.
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
**WARD'S EDGAR T. SONS CO.**, 44-54 Farnsworth, Boston, Mass.
*See adv index at end of book*
Washburn Wire Co. (Rounds, Squares, & Flats), Phillipsdale, R. I.
West Leechburg Steel Co. (Hot & Cold Rolled Strip), Farmers' Bank bldg, Pittsburgh, Pa. Works: Leechburg, Pa.
West Penn Steel Co. (Open Hearth Sheets), Brackenridge, Pa.
**WETHERELL BROS. CO.**, 251 Albany, Cambridge, Mass.
*See adv index at end of book*
Wheelock, Lovejoy & Co. (Sheets, Hot & Cold Rolled, Sales Agents), 23 Cliff, New York
Wood Alan Iron & Steel Co. ("A. W." Sheets), Widener bldg, Philadelphia, Pa.
**WORCESTER PRESSED STEEL CO.**, Worcester, Mass.
*See adv index at end of book*

## 14212—Steel (Cold Rolled Sheet & Strip)

**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York
*See adv index at end of book*
American Tube & Stamping Co., Bridgeport, Conn.
Brainerd J. W. Steel Co., Warren, O.
Columbia Steel Co., Elyria, O.
Erie Metal Products Co., Erie, Pa.
Frasse Peter A. & Co. (Inc.), 417 Canal, New York
Fulton Steel & Iron Co., Park bldg, Pittsburgh, Pa.
International High Speed Steel Co., 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
**LANCASTER STEEL PRODUCTS CORP.**, Lancaster, Pa.
*See adv index at end of book*
National Pressed Steel Co., Massillon, O.
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
Rownson, Drew & Clydesdale, Inc., 80 Wall, New York
Scott, Sugden & Lamont, Monadnock bldg., San Francisco, Cal.
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

## 14213—Steel (Cold Rolled Strip)

Aero Works, Inc., 89 Warren, New York
American Stamping & Mfg. Co., Park bldg, Pittsburgh, Pa.
American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
American Tube & Stamping Co., Bridgeport, Conn.
Athenia Steel Co., 135 William, New York
Baker W. W. & Co., 940 Front, Phila., Pa.
*See adv index at end of book*
**BLANCKE A. C. & CO.** (All Tempers), 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Carpenter Steel Co. (Crucible Spring), Reading, Pa.
Columbia Steel Co. (Flats in Widths From ½ to 20 inches; In All Gauges From Very Thin to 3-8th inch thick), Elyria, O.
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Disston Henry & Sons, Tacony, Phila., Pa.
Elliott-Blair Steel Co. (Fine Bright Dead Soft for Sewing Machines, Typewriter, Bicycle Parts, etc), New Castle, Pa.
**FISHEL & MARKS CO.**, ft. of Krakow av, Cleveland, O.
*See adv index at end of book*
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Greer Steel Co., Dover, O.
Griffin Mfg. Co., Erie, Pa.
**HARVEY ARTHUR C. CO.**, Harvey Steel rd, Allston Dist., Boston, Mass.
*See adv index at end of book*
**HAWKRIDGE BROS. CO.**, 303 Congress, Boston, Mass. *See adv index at end of book*
Herbert Alfred Ltd., 54 Dey, New York
*See adv index at end of book*
International High Speed Steel Co., 99 Nassau, New York
Laclede Steel Co., Federal Reserve Bank bldg, St. Louis, Mo.
**LANCASTER STEEL PRODUCTS CORP.**, Lancaster, Pa.
*See adv index at end of book*
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
Morris & Bailey Steel Co., State, Pittsburgh, Pa.
National Sales & Trading Co., Cleveland, O.
Newman C. Wire Co., 25 Church, New York
Pigott Thos. E., 632 Frankford av, Cleveland, O.
Pittsburgh Cold Rolled Steel Co., 39th & P. R. R., Pittsburgh, Pa.
Pittsburgh Shafting Co., of Detroit, 346 W Fort, Detroit, Mich.
**RYERSON JOS T. & SON**, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill., 2208 N 2d, St. Louis, Mo. 30 Church, New York, 726 Ford bldg, Detroit, Mich.
*See adv index at end of book*
Schrock & Squires (Merchts), 293 Pearl, New York
Standard Steel & Wire Co., 549 W. Washington blvd., Chicago, Ill.
*See adv index at end of book*


**Standard Steel & Wire Co.**
**549 W. Washington Blvd.**
**Chicago**
**Telephone Main 4110**
***Products Carried in Stock.***
Cold Rolled Strip Steel, all tempers, Cold Drawn Rounds, Flats, Squares, Hexagons, Round Edge Flat Wire, Coppered Bessemer Rods, Drill Rods, Needle Bar stock, Music and Piano Wire, Clock Spring Steel, Lock Spring Steel, Cold Rolled Crucible Steel to temper Armature Binding Wire, Sheet Steel, all grades, Shim steel. Special Shapes. Tool Steel. Tool Steel Tubing. Hot Rolled Machinery Steel. Forging Bars and Billets, Alloy Steels. Welding Wire.


Stanford Steel Products Co., Milford, Conn.
**STANLEY WORKS** (For Deep Drawing, Bending & Blanking), New Britain, Conn. *See adv index at end of book*
Superior Steel Co. (For Stamping & Drawing, etc), Carnegie, Pa.
Trumbull Steel Co., Warren, O.
Walker W. J. Steel Co., 1722 Columbus rd, Cleveland, O.
**WARD'S EDGAR T. SONS CO.**, (Stock for immediate delivery), 304 Hudson, New York
*See adv index at end of book*
Weirton Steel Co., (¾" to 16" any length) Weirton, W. Va.
West Leechburg Steel Co. (For Blanking, Stamping & Drawing), Farmers' Bank bldg, Pittsburgh, Pa.


**When writing to firms listed in this book please, mention HENDRICKS' COMMERCIAL RECISTER**

# COLD ROLLED STRIP STEEL

All Tempers from Stock and Mill for Stamping and Deep Drawing

*New England distributors for Trumbull Steel Co.*

## SEAMLESS—COLD DRAWN STEEL TUBING—WELDED

*Steel of Every Description*

**HAWKRIDGE BROS. CO.,** 303 CONGRESS STREET BOSTON, MASS.

# COLD ROLLED STRIP STEEL

Strips—Sheets—Plates For Stamping and Deep Drawing

Warehouse Stock at Cambridge

**New England Agents for Morris & Bailey Steel Co.**

**WETHERELL BROS. CO. 251 Albany St., Cambridge, Mass.**


STEEL (COLD ROLLED STRIP)—cont.

**WETHERELL BROS. CO.,** 251 Albany, Cambridge, Mass.
*See adv index at end of book*

Wheelock, Lovejoy & Co. (For Blanking & Drawing, Sales Agents), 23 Cliff, New York

**WICKWIRE SPENCER STEEL CORP.,** Worcester, Mass.
*See adv index at end of book*

Worcester Pressed Steel Co., Worcester, Mass. *See adv index at end of book*


*Manufacturers of*
STRIP STEEL
Hot and Cold Rolled
Worcester Pressed Steel Co.
**Worcester** **Mass.**
Branch Offices: New York Chicago
Detroit Indianapolis


## 14213a—Steel (Cold Rolled Strip Flat Wire)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
***See adv index at end of book***

International High Speed Steel Co., 99 Nassau, New York

Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.

**LANCASTER STEEL PRODUCTS CORP.,** Lancaster, Pa.
*See adv index at end of book*

**WARD'S EDGAR T. SONS CO.,** (stock for immediate delivery), 304 Hudson, New York
*See adv index at end of book*

## 14214— Steel (Copper Clad)

Standard Underground Cable Co., Westinghouse bldg., Pittsburgh, Pa.

## Steel (Corrugated)

See Iron & Steel, Corrugated

## 14215— Steel (Crucible)

For Crucible Steel Castings, see Castings, Steel, with the Word Crucible Following Their Name

Aero Works Inc. (Band Saw Steel), 89 Warren, New York

Allen Edgar & Co., 718 W Lake, Chicago, Ill.

**Allen Edgar & Co., Ltd., 718 W Lake, Chicago, Ill.**

Atlas Crucible Steel Co. (LXX High Speed Steels, "Atlas" Tampering Steels, in Squares, Rounds, Flats, Octagons, Hexagons, etc., for Tools, Drills, Lathes, Dies, etc), Dunkirk, N. Y.

Bethlehem Steel Co. (Forgings, Self-Hardening & Carbon Tool Steel Billets, Shafting, Engine Cranks, Forged Armor Plate, etc), South Bethlehem, Pa.

Braeburn Steel Co. (Bar & Tools, Rolled & Forged), Braeburn, Pa.

Brown & Co. (Tool Steel), 10th & Duquesne way, Pittsburgh, Pa.

Carpenter Steel Co. (Tool Steel for Files, Cutlery, Dies, Wire, etc), Reading, Pa.

Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.

Chrome Steel Works (Chrome Steel Plates, Angles, Bars, etc), Chrome, N. J.

Colonial Steel Co. ("Colonial" High Speed, Carbon & Special Steel Tools of All Kinds Hammered & Rolled Bars, Plates, Sheets, Forgings, etc), 324 4th av, Pittsburgh, Pa.

Columbia Tool Steel Co. (Rolled & Hammered), 552 W Lake, Chicago, Heights, Ill.

Crucible Steel Co. of America (Hammered & Rolled Tool, Die, Agricultural, Plow, Saw, Spring, Cutlery, Plate, Cold Drawn Sheet, Shear Steel & Finest Quality of Tool Steel), Oliver bldg, Pittsburgh, Pa.

Cyclops Steel Co. (High Speed & Carbon, 120 B'way, New York

Disston Henry & Sons (Bar Tool, Cold Roll Bands, Engravers Plates, Flat Wire & Special Steel), Tacony, Phila., Pa.

Electric Alloy Steel Co., Youngstown, O.

Electric Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*

Erie Crucible Steel Co., Erie, Pa.

Farist Steel Co. (Rolled & Hammered, All Kinds), Bridgeport, Conn.

Firth-Sterling Steel Co. ("Blue Chip" Fine Tool Steel), McKeesport, Pa.

Frasse Peter A. & Co. (Inc.) (High Speed Tool Steel), 417 Canal, New York. Works: Hartford, Conn.

Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*

Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

**HALCOMB STEEL CO.** ("Ketos" Finest Quality of Steel, Hammered & Rolled Bars, Sheets & Forgings), Syracuse, N. Y. *See adv index at end of book*

Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*

**HAWKRIDGE BROS. CO.,** ("Hawk," "Hawk H," "Hawk Special," "Hawk Header Die," "Hawk Vanadium," "Hawk Alloy Striking Die," "Hawk Silverware Striking Die," "Kitos," "Standard,") 303 Congress, Boston, Mass. *See adv index at end of book*

Heller Bros. Co. (Clay Crucible Cast Steel), 879 Mt. Prospect av, Newark, N. J.

Herbert Alfred Ltd., 54 Dey, New York
*See adv index at end of book*

Hussey-Binns Steel Co. ("Husybins" Sheet Steel & Bar), Bridgeville, Pa.

Illingsworth Jno. Steel Co. (Hammered & Rolled Bars & Sheets for Tools, Saws, Knives, Files, etc), Tacony & Lewis, Phila., Pa.

Imperial Steel Range Co. (Nickel, Chrome & Tungsten Machinery Steel), 2900 Detroit av, Cleveland, O.

International High Speed Steel Co., 99 Nassau, New York

Jessop Steel Co. (Sheet & Saw Steel, etc.), 91 John, New York. Works: Washington, Pa.

Jessop Wm. & Sons (Inc.) ("Jessop's" Best Carbon Tool), 91 John, New York

Kaufman E. & Co., Farmers Bank bldg, Pittsburgh, Pa.

McInnes Steel Co. (Ltd.) ("McInnes" Crucible Tool Steel, High & Speed & "Cello" Vanadium, Oil Hardening Steel), Corry, Pa.

Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*

Midvale Steel & Ordnance Co. (Hammered & Forged), Widener bldg, Phila., Pa.

Patriarche & Bell (Jobbers), 350 West, New York

**PERKINS STEEL CO.** ("Perco" Tool, Nickel & Chrome Nickel), 143 Liberty, New York

**PURDY A. R. CO., INC.,** 130 Christopher, New York *See adv index at end of book*

Rossell Hy. ("Victory," Tool Steel Made in England), 24 S Jefferson, Chicago, Ill.

**SIMONDS MFG. CO.,** Steel Dept. (Saw Plate & Sheet), Lockport, N. Y.
*See adv index at end of book*

Syracuse Crucible Steel Co. (Tool Steel), Syracuse, N. Y.

Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.

Vulcan Crucible Steel Co. (High Grade Tool & Rolled & Forged Products), Aliquippa, Pa.

Wardlow S. & C., 278 Pearl, New York

**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

Wetherell Bros. Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*

Woodward Wight & Co., Ltd. ("Strength & Wear"), Howard av & Constance, New Orleans, La.

## 14216— Steel (Crushed)

(For Sawing, Grinding & Polishing Granite, Stone, Glass, Brick, etc.

Harrison Supply Co., 209 Washington, Boston, Mass.

Pittsburgh Crushed Steel Co. (Ltd.), 61st & A. B. R. R., Pittsburgh, Pa.

Standard Steel & Wire Co., 549 W Washington blvd, Chicago, Ill.
*See adv index at end of book*

## 14216a— Steel (Cutlery)

Aero Works Inc., 89 Warren, New York

American Stainless Steel Co., Oliver bldg, Pittsburgh, Pa.

**Atlas Crucible Steel Co., Dunkirk, N. Y.**

Carbon Steel Co., Ft. 32nd, Pittsburgh, Pa.

Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

International High Speed Steel Co., 99 Nassau, New York

Ludlum Steel Co., Watervliet, N. Y.

Swedish Steel & Importing Co., Ltd., 130 Pearl, New York
*See adv index at end of book*

**WETHERELL BROS. CO.,** 251 Albany, Cambridge, Mass.
*See adv index at end of book*

## 14216b Steel (Drill)

Anglo-Saxon Supply Co., Inc., 290 Pearl, New York *See adv index at end of book*

Carbon Steel Co., Ft. 32nd, Pittsburgh, Pa.

Electric Steel & Forge Co., 6600 Grant av., Cleveland, O. *See adv index at end of book*

Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

Herbert Alfred Ltd., 54 Dey, New York

International High Speed Steel Co., 99 Nassau, New York

Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*

Swedish Steel & Importing Co., Ltd., 130 Pearl, New York
*See adv index at end of book*

## 14216c—Steel (Electric, Engine Bolt)

Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.

International High Speed Steel Co., 99 Nassau, New York

**OLD DOMINION IRON & STEEL CORP.** ("Extra"), Belle Isle, Richmond, Va.
*See adv index at end of book*

## 14217—Steel (Electric Furnace)

Apollo Steel Co., Apollo, Pa.

Atlas Crucible Steel Co. (For Magnets, Springs, Ball Bearings), Dunkirk, N. Y.

# ANGLO-SAXON SUPPLY COMPANY, Inc.

**Highest Grade Tool and Alloy Steels of All Descriptions**

**290 PEARL STREET** **NEW YORK, N. Y.**


Blaw Knox Co. (& Acetylene Welded), Freeport rd, Hoboken, Pa.
Carbon Steel Co., Ft. 32nd, Pittsburgh, Pa.
**Carpenter Steel Co., Reading, Pa.**
**Crowley John A. Co. ("Arrow"), 120 Liberty, New York**
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Electric Alloy Steel Co., Youngstown, O.
Electric Steel & Forge Co., 6600 Grant av., Cleveland, O. *See adv index at end of book*
Electric Steel Co., W 31st & S Wood, **Chicago, Ill.**
**Electro Steel Co., Curry bldg, Pittsburgh, Pa.**
**Halcomb Steel Co., Syracuse, N. Y.** *See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
Harrow Spring Co., Milwaukee, Wis.
**HAWKRIDGE BROS. CO.,** 303 Congress, Boston, Mass. *See adv index at end of book*
Hess Steel Corp., Loneys la & Biddle, Baltimore, Md.
**Illinois Steel Co., 208 S La Salle, Chicago,** Ill.
International High Speed Steel Co., 99 Nassau, New York
Latrobe Electric Steel Co., Latrobe, Pa.
**Ludlum Steel Co., Watervliet, N. Y.**
Nat'l Pressed Steel Co., Massillon, O.
Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va. *See adv index at end of book*
Purdy A. R. Co., 130 Christopher, New York *See adv index at end of book*
Timkin Roller Bearing Co., Canton, O.
**Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.**
**UNITED ALLOY STEEL CORP.,** Canton, O. *See adv index at end of book*

## Steel (Electrical)

**See Iron & Steel Sheet, Electrical**

## 14218— Steel (Emery)

**(For Grinding & Rubbing Glass, Marble, etc; also for Grinding in Valves, Steam & Air Joints)**
**Pittsburgh Crushed Steel Co. (Ltd.), 61st & A. B. R. R., Pittsburgh, Pa.**

## 14219— Steel Eye Bar Flats

**Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.**
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Standard Steel & Wire Co., 549 W Washington blvd, Chicago, Ill. *See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Witherow Steel Co., Keystone bldg, Pittsburgh, Pa**

## 14220—Steel Factory Equipment

**See also Specific Article Wanted**

**Allsteelequip Co., Aurora, Ill.**
**Angle Steel Stool Co., Otsego, Mich.**
Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
**Clark W. J. Co., Salem, O.**
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
**Davis & Sherer Co., 113 S Ludlow, Dayton, O.**
**Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.**
**Durand Steel Locker Co., 76 W Monroe, Chicago, Ill.**
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
**Fire-Proof Furniture & Construction Co., Miamisburg, O.**
**Kilbourne & Jacobs Mfg. Co., Columbus,** O. *See adv index at end of book*
**LEAKE A. G. ERECTING CO., INC.** (Bar Stock Racks, Trolley Tracks, Crane, Boiler & Engine Room Ladders, Gratings, Non-Slipping Floor Plates, Machine Guards & Elevator Gates), Bridgeport, Conn.
Lyon Metallic Mfg. Co. ("Lyon"), Aurora, Ill.
Manufacturing Equipment & Engineering Co. ("Mecco" Locker, Wash Bowls, Drinking Fountains, Stock & Pattern Racks, Stools, Chairs, etc.), Framingham, Mass.
Medart Fred. Mfg. Co. (Lockers, Steel Shelving, Racks of all Kinds & Sizes, Book Stacks, Catalogue Cabinets, etc), De Kalb & Potomac, St. Louis, Mo. *See adv index at end of book*
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Ohio Mfg. Co. (Barrels, Boxes, Kegs, Pails, Pans, Spittoons, Stools, etc.), P. O. Box 136, Painesville, O. *See adv index at end of book*
Terrell's Equipment Co. (Bins, Shelving, Trucks, Lockers, Racks, etc), Grand Rapids, Mich.
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
**Vonnegut Machinery Co., Indianapolis, Ind.**
Watson Mfg. Co. (Filing Cabinets, Racks Shelving, etc), Jamestown, N. Y.
Wilson Andrew Co. (Lockers, Shelving, Tables, Pans, Cans, etc.), 616 Essex, Lawrence, Mass. *See adv index at end of book*

## 14221-2—Steel (File & Rasp)

Aero Works Inc., 89 Warren, New York
**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York *See adv index at end of book*
Anglo-Saxon Supply Co., Inc., 290 Pearl, New York *See adv index at end of book*
Atlas Crucible Steel Co., Dunkirk, N. Y.
Bethlehem Steel Co. S Bethlehem, Pa.
**Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.**
Farist Steel Co., Bridgeport, Conn.
International High Speed Steel Co., 99 Nassau, New York
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
National Pressed Steel Co., Massillon, Ohio
**Philadelphia Steel & Forge Co., 50 Church,** New York
Ward's Edgar T Sons Co. (Stock for immediate delivery), 804 Hudson, New York *See adv index at end of book*

## Steel Filing Equipment

**See Filing Cabinets & Devices**

## 14223—Steel Fire Box Plate

**Carbon Steel Co. (Open Hearth), ft 32d, Pittsburgh, Pa.**
**Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.**
Central Iron & Steel Co., Harrisburg, Pa.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
**Lukens Steel Co. (Open Hearth), Coatesville, Pa.**
Otis Steel Co. (Open Hearth), Leader-News bldg, Cleveland, O.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*

## Steel Floor Plate

**See Plates, Floor, Iron & Steel**

## 14223a—Steel (For Concrete Construction)

**See also Steel (Construction Reinforced)**
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**HARVEY ARTHUR C. CO.,** Harvey Steel rd, Allston dist., Boston, Mass. *See adv index at end of book*
Ingalls Iron Works Co., Birmingham, Ala.
International High Speed Steel Co., 99 Nassau, New York
Lukens Steel Co., Coatsville, Pa.

## 14223b—Steel (For Stamping and Drawing)

Benjamin Electric Mfg. Co., 128 S Sangamon, Chicago, Ill.
Carbon Steel Co., Ft. 32nd, Pittsburgh, Pa.
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Horner W. S. & Co. (Cold Rolled Sheet), Oliver bldg, Pittsburgh, Pa.
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
Morris & Bailey Steel Co. (Sheets, Plates & Strips, Cold Rolled), Slate, Pittsburgh, Pa.
Stanley Works (Cold Rolled Sheets & Strips), New Britain, Conn. *See adv index at end of book*
Superior Steel Co. (Cold Rolled Sheets & Strips), Carnegie, Pa.
West Leechburg Steel Co. (Cold Rolled Strip), Farmers Bank bldg, Pittsburgh, Pa.
Wetherell Bros. Co. (Cold Rolled Strips, Sheets & Plates), 251 Albany, Cambridge, Mass. *See adv index at end of book*

## 14223c—*Steel Forms (Concrete Construction)

**See also Concrete Steel Construction**
**HELTZEL STEEL FORM & IRON CO.,** Warren, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 14224— Steel Hardening

**Atlas Engineering Co., Lincoln, N. J.**
**Biddle W. S. Co., 1411 E 45th, Cleveland,** O.
Bliss A. H. & Co. (High Speed Steel), N. Attleboro, Mass.
Bridgeport Metal Treating Co. (High Speed Steel a Specialty), Bridgeport, Conn.
Cary Spring Works, 240 W 29th, New York
Century Steel Co. of America (Oil), Poughkeepsie, N. Y.
European Color & Chemical Co., Hoboken, N. J.
**Frasse Peter A. & Co. Inc., 417 Canal, New York. Works: Hartford, Conn.**
Metal Hardening Solution Co. ("Kalux" for Tempering & Hardening Steel Tools), Rochester, N. Y.
New England Annealing & Tool Co. (Carbon & High Speed Steel), 74 K, S Boston, Mass.
Scott C. U. & Son, Davenport, Ia.
**Sier-Bath Co., 143 W 54th, New York**
Steel Improvement & Forge Co. (Infuso), 5003 Windsor, Cleveland, O.
Stroh Steel Hardening Process Inc., First Nat'l Bank bldg, Pittsburgh, Pa.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

## 14225—Steel (High Carbon)

**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York *See adv index at end of book*
Anglo-Saxon Supply Co., Inc., 290 Pearl, New York *See adv index at end of book*
Atlas Crucible Steel Co., Dunkirk, N. Y.
Bethlehem Steel Co. (Tool, etc), South Bethlehem, Pa.

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**BLANCKE A. C. & CO.,** 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Carbon Steel Co., ft 32nd, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.
**Columbia Tool Steel Co., 552 W Lake, Chicago Heights, Ill.**
Crucible Steel Co. of America, Oliver bldg. Pittsburgh, Pa.
Electric Steel & Forge Co., 6600 Grant av., Cleveland, O. *See adv index at end of book*
**Eckels-Nye Steel Co., Syracuse, N. Y.**
Electric Alloy Steel Co., Youngstown, O.
Fairley-Davidson Steel Co., 122 Maiden la. New York
Frasse Peter A. & Co. (Inc.), 417 Canal, New York. Works: Hartford, Conn.
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa.
*See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Greaves Robt. K. Co., 1336 W Washington blvd, Chicago, Ill.
*See adv index at end of book*
**Halcomb Steel Co., Syracuse, N. Y.**
*See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
Ind. Rolling Mill Co. (Sheets), New Castle, Ind.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
**LANCASTER STEEL PRODUCTS CORP.,** Lancaster, Pa.
*See adv index at end of book*
Latrobe Electric Steel Co., Latrobe, Pa.
Ludlum Steel Co. ("Pompton," "Elba"), Watervliet, N. Y.
Plass L. Co., 132 Pearl, New York
Purdy A. R. Co., Inc., 130 Christopher st, New York *See adv index at end of book*
Ryerson Jos. T. & Son, 910 Corn Exchange Bank bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Sweets Steel Co. (Bars, Ingots, etc), Williamsport, Pa.
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.
Vulcan Crucible Steel Co., Aliquippa, Pa.
Ward's Edgar T. Sons Co. (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
Warren Iron & Steel Co. (Sheets & Shovel Plate, etc), Warren, O.
Wetherell Bros. Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*
Wheelock, Lovejoy & Co. (For Springs, Saws, Buckles, etc) (Sales Agents), 23 Cliff, New York

## 14226— Steel (High Speed)

Firms marked with a (*) star are either Jobbers or Importers; all others are Manufacturers
See also Steel Importers

Aborn Steel Co., 22 Clarke, New York
Aero Wks. Inc., 89 Warren, New York
*Allen Edgar & Co. (Ltd.) ("Allen," Air Hardening, "Allen's Imperial"), 718 W. Lake, Chicago, Ill.
**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
*Andrew Jno. Henry & Co. (Ltd.), ("Toledo," Sheffield, Eng.), 26 Cortlandt, New York
Anglo-Saxon Supply Co., Inc., 290 Pearl, New York *See adv index at end of book*
Atlas Crucible Steel Co. (L X X High Speed Steel, Crucible), Dunkirk, N. Y.
Atlas Engineering Co., Lincoln, N. J.
*Becker Steel Co. of America (Becker Cobalt and Modern High Speed Steel), 154 Nassau, New York
Bethlehem Steel Co. ("Bethlehem," Special Tool), South Bethlehem, Pa.
**BLANCKE A. C. & CO.,** 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Boerder Process Steel Co., Woodhill & Hazelwood, Cleveland, O.
*Boker H. & Co., Inc. ("Novo Superior," "Intra," "Gibraltar," Imported), 101 Duane, New York
*Bourne-Fuller Co. ("Scott's I X L"), Hickox bldg, Cleveland, O.
Braeburn Steel Co., Braeburn, Pa.
**Carpenter Steel Co., Reading, Pa.**
Central Steel Co. ("Agathon" Bars, Billets & Slabs), Massillon, O.
**Century Steel Co. of Am., Poughkeepsie, N. Y.**
**Colonial Steel Co. (Bars, Plates or Sheets), 324 4th av, Pittsburgh, Pa.**
**Columbia Tool Steel Co. ("Columbia," "Special"), 552 W Lake, Chicago Heights, Ill.**
**Crowley John A. Co. ("Arrow"), 120 Liberty, New York**
**Crucible Steel Co. of America ("Champion" High Speed, "Rex A. A. A." & "Rex A. A." "Rex A"), Oliver bldg, Pittsburgh, Pa.**
Cyclops Steel Co., 120 B'way, New York
**Disston Hy. & Sons, Tacony, Phila., Pa.**
Duke Steel Co., 191 Pearl, New York
Electric Alloy Steel Co., Youngstown, O.
**Electro Steel Co. (Electric Furnace Steel), Curry bldg, Pittsburgh, Pa.**
Erie Crucible Steel Co., Erie, Pa.
Fairley-Davidson Steel Co., 12 Maiden la, New York
Firth-Sterling Steel Co. (Blue Chips), McKeesport, Pa.
*Frasse Peter A. & Co. (Inc.), 417 Canal, New York. Works: Hartford, Conn.
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
**Fulton Steel Corp. ("Great Bear"), Fulton, N. Y.**
General Cooperage & Timber Co., Whitney-Central bldg., New Orleans, La.
**GENERAL TRADING & EXPORT CO., INC.,** Whitney Central bldg., New Orleans, La. *See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.

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Greaves Robt. K. & Co., 1336 W Washington blvd., Chicago, Ill. *See adv index at end of book*


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and
TOOL STEELS


**HALCOMB STEEL CO.** ("Dreadnought," "Halcomb" Crucible), Syracuse, N. Y. *See adv index at end of book*
Hammond Steel Co., Inc. ("Triton"), Syracuse, N. Y.
Haring Ellsworth ("Elkhar"), 118 Liberty, New York
**Harrow Spring Co.** (Electric), First National Bank bldg., Milwaukee, Wis.
*Harvey Arthur C. Co., Harvey Steel rd., Allston dist., Boston, Mass. *See adv index at end of book*
***HAWKRIDGE BROTHERS COMPANY** (Dreadnought), 303 Congress, Boston, Mass. *See adv index at end of book*
Heller Bros. Co. ("Heller's," Alloy High-speed Tool Steel), 870 Mt. Prospect av, Newark, N. J.
**HERBERT ALFRED LTD.**, 54 Dey, New York *See adv index at end of book*
*Hobson-Houghton & Co. (Ltd.), ("Albion" Imp.), 82 Beekman, New York
*Houghton & Richards (Jobbers), 145 Oliver, Boston, Mass.
Illingworth Jno. Steel Co. ("Argo"), Tacony & Lewis, Philadelphia, Pa.
**INGERSOLL-RAND CO.** ("I.-R." Swedish drill steel), 11 B'way, New York *See adv index at end of book*
*International High Speed Steel Co. ("Bulldog"), 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Jessop Wm. & Sons (Inc.) (Jessop's "Ark" High Speed Steel), 91 John, New York
**KNAPP ARTHUR ENGINEERING CORP.**, 19 W 44th, New York *See adv index at end of book*
Latrobe Electric Steel Co. ("Electric" & "Uranium"), Latrobe, Pa.
Ludlum Steel Co. ("Mohawk"), Watervliet, N. Y.
McInnes Steel Co. (Ltd.), ("McInnes," Vanadium & Cobalt High Speed), Corry, Pa.
Midvale Steel & Ordnance Co. ("Midvale"), Widener bldg, Phila., Pa.
*Morris E. K. & Co. (Cold Drawn & Cold Rolled Bar Strip Steel, Jobbers & Importers), 317 W 2d, Cincinnati, O.
Ontario Electric Steel Co., Inc. ("Great Bear"), Fulton, N. Y.
Onondaga Steel Co., Inc., Syracuse, N. Y.
*Phillips F. R. & Sons Co. ("Velos," Imported), Penna. bldg., Phila., Pa.
Plass L. Co., 132 Pearl, New York
*Potts Horace T. & Co. ("Rekford," Superior), 318 N 3d, Phila., Pa.
**PURDY A. R. CO., INC.**, 130 Christopher, New York *See adv index at end of book*
*Rossell Henry ("Victory," Made in Sheffield, England), 24 S Jefferson, Chicago, Ill.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg., & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Schrock & Squires, 293 Pearl, New York
Vanadium-Alloys Steel Co. ("Red Cut"), Franklin Trust bldg., Phila., Pa.
**Vulcan Crucible Steel Co., ("Wolfram") Aliquippa, Pa.**
***WARD'S EDGAR T. SONS CO.** ("Red Cut Superior"), 44-54 Farnsworth, Boston, Mass. *See adv index at end of book*
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
Wetherell Bros Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*
*Wheelock, Lovejoy & Co. (Sales Agents), 23 Cliff, New York, & Boston, Mass.

### 14226a—Steel (Hollow Drill)

Anglo-Saxon Supply Co., Inc., 290 Pearl, New York *See adv index at end of book*
Colonial Steel Co., 324 4th av., Pittsburgh, Pa.
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
International High Speed Steel Co., 99 Nassau, New York
Swedish Steel & Importing Co., Ltd., 130 Pearl, New York *See adv index at end of book*
United Alloy Steel Corp., Canton, O. *See adv index at end of book*

### Steel (Hoop)

See Iron & Steel Band & Hoop


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## 14226b—Steel (Hot Die & Alloy)

Atlas Crucible Steel Co. ("Atlas"), Dunkirk, N. Y.
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Hammond Steel Co., Inc., ("Firmus"), Syracuse, N. Y.
International High Speed Steel Co., 99 Nassau, New York
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.

## 14227—Steel (Hot Rolled Strip)

**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
***See adv index at end of book***
American Tube & Stamping Co. (Hoop & Bar), Bridgeport, Conn.
Baker W. W. & Co., 940 Front, Phila., Pa. *See adv index at end of book*
**BLANCKE A. C. & CO.** (All Tempers), 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Carpenter Steel Co. (Crucible Steels & Wires), Reading, Pa.
Disston Hy. & Sons, Tacony, Phila., Pa.
Elliott-Blair Steel Co., New Castle, Pa.
**FISHEL & MARKS CO.,** ft. of Krakow av, Cleveland, O. *See adv index at end of book*
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Grand Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**HARRISBURG PIPE & PIPE BENDING CO.** (For Stamping), Herr, nr. 10th, Harrisburg, Pa.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
***See adv index at end of book***
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
International High Speed Steel Co., 99 Nassau, New York
Laclede Steel Co., Arcade bldg., St. Louis, Mo. Works: Alton, Ill.
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
National Pressed Steel Co., Massilon, O.
National Sales & Trading Co., Cleveland, O.
**Philadelphia Steel & Forge Co., 50 Church, New York**
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
Ryerson Jos. T. & Son, 910 Corn Exchange bldg., & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Standard Steel & Wire Co., 549 W Washington blvd., Chicago, Ill.
*See adv index at end of book*
Stanley Works, New Britain, Conn.
***See adv index at end of book***
Superior Steel Co. (For Stamping & Drawing, etc), Pittsburgh, Pa. Works: Carnegie, Pa.
Tacony Steel Co., Tacony, Phila., Pa.
Trumbull Steel Co., Warren, Ohio
Weirton Steel Co., Weirton, W. Va.
West Leechburg Steel Co. (For Blanking, Stamping & Drawing), Farmers' Bk. bldg, Pittsburgh, Pa.
**Wheelock, Lovejoy & Co.** (For Blanking & Deep Drawing. Also Sheets, Sales Agents), 23 Cliff, New York
**Worcester** Pressed Steel Co., Worcester, Mass. *See adv index at end of book*

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## 14227a—Steel Imitation Brick & Rock Face Siding

**See also Roofing & Siding, Iron & Steel**
**American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**
Berger Mfg. Co., Canton, O.
Brier Hill Steel Co., Youngstown, O.
Cambridge Roofing Co., Cambridge, O.
Canton Metal Ceiling Co. ("Art Kraft"), Canton, O.
**Chattanooga Roofing & Fdy. Co., Chattanooga, Tenn.**
Dickelman Mfg. Co., Forest, O.
**EDWARDS MFG. CO.,** 545-565 **Eggleston** av, Cincinnati, O.
*See adv index at end of book*
**Eller Mfg. Co., Canton, O.**
Falcon Steel Co., Niles, Ohio.
**Florida Metal Products Co., Jacksonville, Fla.**
**Globe Iron Roofing & Corrugating Co., Newport, Ky.**
**Inland Steel Co., 1st Nat'l Bk. bldg, Chicago, Ill.**
**Kanneberg Roofing & Ceiling Co., Canton, O.**
**Mesker Geo. L. & Co., Evansville, Ind.**
**Messenger & Parks Mfg. Co. (Steel Brick Siding), Aurora, Ill.**
**Milwaukee Corrugating Co., Milwaukee, Wis.**
Moeschl-Edwards Corrugating Co., Covington, Ky.
New Orleans Roofing & Metal Co. ("Nola"), Cortes & Orleans, New Orleans, La.
Newport Rolling Mill Co., Newport, Ky.
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Phila., Pa.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
**Reeves Mfg. Co., Dover, O.**
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
**St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.**
**Scott Roofing & Mfg. Co., 498 Culvert, Cincinnati, O.**
**Seneca Iron & Steel Co. (Steel Brick Only), Buffalo, N. Y.**
**Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.**
**Sykes Co., 930 W 19th pl, Chicago, Ill.**
**Trumbull Steel Co., Warren, O.**
**Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.**

## 14228— Steel Importers

Allen Edgar & Co. (Ltd.), ("Edgar Allen," Tool Steel, etc), 718 W Lake, Chicago, Ill.
**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
**Boker H. & Co., (The Sir Joseph Jonas, Culver & Co. (Ltd.) Tool Steel, Drill Rods, Needle Wire, Hot & Cold Rolled Sheet Steel, Steel for Wagon, Clock and Other Springss, Steel & Crucible Wire Rods, etc), 101 Duane, New York**
**Brown-Wales Co.** (Refined Iron, Bars, Angles, Tees, Plates, Structures, Material Steel Balls & Mechanical Tubing), 489 C, Boston, Mass.
**Burrows Thos C., 17 Burling Slip, New York**
Comstedt Jas. F. A. (Impt. & Export), 120 B'way, New York
**Darwin & Milner** ("A. B. C." High Speed & Alloy), 156 B'way, New York
Dill-Crosett, Inc., 235 Pine, San Francisco, Cal.
Fairley-Davidson Steel Co., 122 Maiden la, New York
**Grant, Robert, Woolworth Bldg, New York**
Harvey Arthur C. Co. (Norway & Swedish Iron & Steel), Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*
Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*
Hidalgo Steel Co., 253 B'way, New York
**HERBERT ALFRED LTD.,** 54 Dey, New York *See adv index at end of book*
Hobson-Houghton & Co. (Tool Steel, Needle Wire, Bright Drill Rods, "Soho," Self-Hardening Steel, etc). 83 Beekman, New York
Houghton & Richards ("Styrian" Tool Steel & "Low Moor" & "Farnley" Iron), 145 Oliver, Boston, Mass.
Ingersoll-Rand Co. ("I-R" Swedish Drill Steel), 11 B'way, New York
*See adv index at end of book*
Jessop Wm. & Sons (Inc.), (Bars, Sheets & Plates, "Jessop's" Best Carbon Tool Steel & Jessop's "Ark" High Speed Steel), 91 John, New York
**LEAVITT C. W. & CO.** (Iron & Steel Bars & Shapes). 34 Church, New York
***See adv index at end of book***
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
Milne A. & Co. (Norway Iron & Steel, Blooms, Billets, Bars, Wire, Rivet & Nail Rods, etc), 741 Washiongton, New York
Milnor & Goedman ("Excelsior High Speed," "Excelsior Superior"). 17 Bridge, New York
Naylor & Co., 120 B'way, New York
Newkirk Jno. B. & Co. (Structural Shapes, Bars, Sheets, etc.), 1502 Market, Phila., Pa.
Page-Newell & Co., 93 Broad, Boston, Mass.
Patriarche & Bell (Jobbers), 350 West, New York
Phillips F. R. & Sons Co. ("Velos" High Speed Tool), Penna. bldg, Phila., Pa.
Plass L. Co., 132 Pearl, New York
Potts Horace T. & Co. (Bars, Angles, Tees, Slabs, Beams, Channels, Billets, Blooms, Sheet Bars, etc), 318 N 3d, Phila., Pa.
Prosser Thos. & Son, 15 Gold, New York
Swedish Iron & Steel Corp., 12 Platt, New York *See adv index at end of book*
Swedish Steel & Importing Co., Ltd., 130 Pearl, New York
*See adv index at end of book*
Todd John H. L., 50 Broad, New York
Victor Steel Co., 50 Broad, New York
Wardlow S. & C. (Tool Steel, Cast & Double Shear Steel, Cutlery Steel, Steel for Watches & Other Springs, etc.), 278 Pearl, New York
Wetherell Bros. Co. (Kayser, Ellison & Co., Ltd.) (Bar, Sheet & Wire), 251 Albany, Cambridge, Mass.
*See adv index at end of book*
Wheelock, Lovejoy & Co., 23 Cliff, New York
Wilckes J. Co. ("Sandviken" Swedish High Carbon Tempered & Polished Steel), 135 William, New York

## 14228a— Steel Inspection

**HUNT ROB'T. W. & CO.,** 175 W Jackson blvd, Chicago, Ill.

## 14229— Steel (Jail Bar)

**Alloy Steel Forging Co., Carnegie, Pa.**
**Colonial Steel Co. (5 Ply), 324 4th av, Pittsburgh, Pa.**
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa.
*See adv index at end of book*
International High Speed Steel Co., 99 Nassau, New York

## 14230—Steel (Locomotive Boiler)

**Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.**
**Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.**
Central Iron & Steel Co. (Open Hearth Steel), Harrisburg, Pa.
**Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.**
Illinois Steel Co., 208 S Lasalle, Chicago, Ill.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Lukens Steel Co., Coatesville, Pa.

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## 14231 Steel (Magnet)

Allen Edgar & Co., Ltd., 718 W Lake, Chicago, Ill.
Atlas Crucible Steel Co. ("Acsco" Magnet Steel), Dunkirk, N. Y.
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
Crowley John A. Co., 120 Liberty, New York
**Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.**
**Cyclops Steel Co., 120 B'way, New York**
Electric Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*

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**TOOL AND DIE STEEL**
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**" —Seamless and Welded**
**" —Mechanical**
**" —Aluminum**
**WASHERS—Wrought**
**" —Lock**
**WIRE—Core**
**" —Black Soft Annealed**
**" —Soft Galvanized**
**" —Bright Soft Market**
**" —Barbed**
**" —Cold Rolled Flat**
**" —Welding**
**WIRE—Rods**


Fairley-Davidson Steel Co., 122 Maiden la, New York
Halcomb Steel Co. (Tungsten & Chrome), Syracuse, N. Y.
*See adv index at end of book*
Harvey Arthur C. Co., Harvey Steel rd., Allston dist., Boston, Mass.
*See adv index at end of book*
**Harrow Spring Co., Milwaukee, Wis.**
Hawkridge Bros, 303 Congress, Boston, Mass. *See adv index at end of book*
**Baltimore, Md.**
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
Hess Steel Corp., Lowneys la & Eager,
International High Speed Steel Co., 99 Nassau, New York
**Latrobe Electric Steel Co., Latrobe, Pa.**
**Lindenberg Steel Co., 90 West, New York**
Ludlum Steel Co. ("Mohawk" Extra "Pompton" Special "Huron" "Utica," Watervliet, N. Y.
**Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.**
**Philadelphia Steel & Forge Co., 50 Church, New York**
**Tacony Steel Co., Tacony, Phila., Pa.**
Wetherell Bros. Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*

## Steel (Manganese)

See Castings, Manganese Steel

## 14231a—Steel Merchants, Agents, etc.

Americal Steel Export Co., Woolworth bldg, New York
Anglo-Saxon Supply Co., Inc., 290 Pearl, New York *See adv index at end of book*
Berendsen Sophus Inc., 15 Broad, New York
**BLANCKE A. C. & CO.,** 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Buschman Bros., Park Row bldg, New York
**Carroll Steel Co., 15 Park row, New York**
**Comstedt Joseph F. A., 120 B'way, New York**
**Crouch W. J. Co., 68 Williams, New York**
Crozier R. J. Co., North American bldg., Phila., Pa.
**Denman & Davis, 85-91 Lafayette, New York**
Dill-Crosett Co., 235 Pine, San Francisco, Cal.
**Douglas Geo. B., 29 B'way, New York**
Federal Tool & Alloy Steel Corp. (Carbon & High Speed, Federal Solid & Hollow Drill), 233 B'way, New York
Froment & Co., 150 Bank, New York
**FULLER STEEL & IRON CO.,** Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
**Gladium Co., 127 Duane, New York**
**Grant Robert, 233 B'way, New York**
Greene-Wolf Co., 30 Church, New York
Gunn, Carle & Co., 444 Market, San Francisco, Cal.
Haring Ellsworth ("Chas."), 114 Liberty, New York
Hartel Bros. & Co., 307 Atlantic av, Boston, Mass.
**HAYES EQUIPMENT CO.,** Engineers bldg., Cleveland, O.
Independent Iron & Steel Co., 24 California, San Francisco, Cal.
Leavitt C W & Co. (Exporters), 34 Church, New York *See adv index at end of book*
**Liberty Steel Products Co., 233 B'way, New York**
Livermore Homer F. Inc., 85 Pearl, Boston, Mass.
McInnes Charles E. & Co., Mariner & Merchants bldg., Phila., Pa.
National Trading Co., Swetland bldg, Cleveland, O.
Neumeyer & Dimond, 82 Beaver, New York
**New York Iron & Steel Products Co., 143 Chambers, New York**
Northwestern Hdwe. & Steel Co., 48 N 14th, Portland, Oregon
Patriarche & Bell, 350 West, New York
Penna. Steel Export Co., 940 N Front, **Phila., Pa.**
Potts Henry & Co., Real Estate Trust bldg, Phila., Pa.
**Pray Milton, Monadnock bldg, San Francisco, Cal.**
**PURDY A. R. CO., INC.,** 130 Christopher, New York *See adv index at end of book*
**Roechling Electro Steel Co., 173 Lafayette, New York**
Rulofson A. C. Co., Monadnock bldg., San Francisco, Cal.
**Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.**
Scovel Iron Stone Co., 754 Howard, San Francisco, Cal.
Simons & Mills, Inc., 25 Leonard, New York
Soulé Edw. L., Rialto bldg, San Francisco, **Cal.** *See adv index at end of book*
Steel Industries Corp., 261 B'way, New York
**Steel Products Export Corp., 120 B'way,** New York
Street R. R. Co., 549 Washington blvd, Chicago, Ill.
Stulz-Sickles Co., 121 Lafayette, Newark, N. J.
**U. S. Steel Products Co., 30 Church, New York**
Victor Iron Supply Co., 4077 Park av, New York
**Vought & Williams, 365 Greenwich, New York**
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
**Wheelock, Lovejoy & Co., Com'l Trust bldg, Phila., Pa.**
**Wilson E. H. & Co., Com'l Trust bldg, Phila., Pa.**

## 14232—Steel Mine & Mill Buildings (Constructors of)

Ingalls Iron Works Co., Birmingham, Ala.
Lukens Steel Co., Coatsville, Pa.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 14233— Steel (Nickel)

Aborn Steel Co., 22 Clarke, New York
Allen Edgar & Co. (Ltd.) (Chrome Nickel & Nickel, Imp.), 718 W Lake, Chicago, Ill.
Andrews Steel Co., Newport, Ky.
Bethlehem Steel Co., South Bethlehem, Pa.
Bitz-Pierce Co., (Merchants), 2230 E 9th, Cleveland, O.
**Carbon Steel Co., ft 32nd, Pittsburgh, Pa.**
Carnegie Steel Co., Carnegie bldg., Pittsburgh, Pa.
Central Steel Co. ("Agathor" Bars, Billets **& Slabs), Massillon, O.**
**Century Steel Co. of America, Poughkeepsie, N. Y.**
Colonial Steel Co. (Bars, Plates & Sheets), **324 4th av, Pittsburgh, Pa.**
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Company of America (Re**rolled, etc), Oliver bldg, Pittsburgh, Pa.**
**Cyclops Steel Co. 120 B'way, New York**
Duke Steel Co., 191 Pearl, New York
**Electrical Alloy Co. ("Phoenix" Ribbon, Strips & Wire), Morristown, N. J.**
Electric Alloy Steel Co., Youngstown, O.
Electro Steel Co., Inc. ("Electro"), Curry bldg, Pittsburgh, Pa.
Electrical Steel & Forge Co., 6600 Grant av, Cleveland, O. *See adv index at end of book*
Frasse Peter A. & Co. (Inc.), 417 Canal, New York; Works: Hartford, Conn.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Great Lakes Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**Hammond Steel Co., Inc., The, Syracuse,** N. Y.
**Harrow Spring Co., Milwaukee, Wis.**
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*
**Hawkridge Bros. Co., 303 Congress Bos**ton, Mass. *See adv index at end of book*
Heller Bros Co., 870 Mt. Prospect av, Newark, N. J.
**Hess Steel Corp. (Also Chrome Nickel** Steel), Lowneys la & Biddle, Baltimore, Md.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York

STEEL (NICKEL)—continued

Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
**LANCASTER STEEL PRODUCTS CORP.**, Lancaster, Pa.
*See adv index at end of book*
Mesta Machine Co. (Castings, Forgings, etc.), Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
National Pressed Steel Co., Massilon, O.
**Philadelphia Steel & Forge Co., 50 Church, New York**
**Pittsburgh Tool Steel Wire Co. (Drawn for Shafts, Axles, Bolts, etc.), Monaca, Pa.**
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
**Tacony Steel Co., Tacony, Phila., Pa.**
**UNITED ALLOY STEEL CORP.** ("Argis" Billets, Slabs & Merchant Bars), Canton, O. *See adv index at end of book*
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
**Wyoming Shovel Works (Also Nickel Chrome), Wyoming, Pa.**

## 14234— Steel (Non-Magnetic)

**Alloy Steel Forging Co., Carnegie, Pa.**

## 14234a—Steel (Open Hearth)

(See also Rolling Mills (Iron & Steel)

**FULLER STEEL & IRON CO.**, Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
Hawkridge Bros. Co., ("Yellow End," "White End," "Blue End," "Green End"), 303 Congress, Boston, Mass.
*See adv index at end of book*
Lancaster Steel Products Corp., Lancaster, Pa. *See adv index at end of book*
Southern California Iron & Steel Co. (Bars), E 4th & Mateo, Los Angeles, Cal.

## Steel Pipe

**See Pipe & Tube Mills**

## Steel Plate

**See Iron & Steel Boiler & Tank Plate; also Steel Fire Box Plate**

## 14235— Steel Plate Work

**Allentown Boiler Works, Allentown, Pa.**
**American Iron Works, Louisville, Ky.**
**AMERICAN STANDARD SHIPFITTING CORP.** (Light & Heavy), 115 B'way, New York *See adv index at end of book*
**Atlantic Works, 80 Border, East Boston, Mass.**
Baker Iron Wks., Los Angeles, Cal.
**Baltimore Dry Dock & Ship Bldg Co.**, Ft. East Fort av, Baltimore, Md.
**Bass Foundry & Machine Co., Fort Wayne, Ind.**
**Beckley Perforating Co. (Light), Garwood, N. J.**
Bichler Mfg. Co., St. Joseph, Mo.
**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*
Blaw-Knox Co., Freeport rd, Hoboken, Pa. Pittsburgh, Pa.
Boom Boiler & Welding Co., 1615 Merwin av, Cleveland, O.
Brennan John & Co., 24th & M. C. R. R., Detroit, Mich.
Bridgeport Boiler Works Co., Bridgeport, Conn.
**Buckeye Boiler Co., Dayton, O.**
**Casey-Hedges Co., Chattanooga, Tenn.**
Cathell Bros. & Co., Fort av, & Lawrence, Baltimore, Md.
**CHICAGO BRIDGE & IRON WORKS**, 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
**Coatesville Boiler Works, Coatesville, Pa.**
**Cole R. D. Mfg. Co., Newman, Ga.**
**Columbiana Boiler Co., Columbiana, O.**
**Connellsville Iron Works, Connellsville, Pa.**
**Connelly D. Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.**
**Connery & Co., 2d & Luzerne, Phila., Pa.**
**Cox & Sons Co., 5th & Chestnut, Phila., Pa.** Works: Bridgeton, N. J.
**Cruse-Kemper Co., Ambler, Pa.**
**Daly M. J. & Sons, Waterbury, Conn.**
Dominion Iron & Steel Co., Ltd., 15 John, New York
**DOVER BOILER WORKS.** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book.*
**Drake-Williams-Mount Co., Omaha, Neb.**
**Duff Patents Co., Frick bldg, Pittsburgh, Pa.**
Duncan Co., The, 508 Water, Toledo, Ohio
Erie City Iron Works, Erie, Pa.
Ervien Chas. W. & Co., Venango & G, Phila., Pa.
**FABRICATED STEEL PRODUCTS CORP.**, Box 505, Leetonia, O.
*See adv index at end of book*
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
**GERDES & CO.**, 42 Church, New York
*See adv index at end of book*
**GRAVER CORP.**, East Chicago, Ind.
*See adv index at end of book*
Graves & Marshall Co., Dayton, O.
Gussett Boiler Wks., 1140 Marion av S. W., Canton, O.
**HAMMOND IRON WORKS, Warren, Pa.**
*See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
**HARVEY ARTHUR C. CO.**, Harvey Steel rd., Allston dist., Boston, Mass.
Hay Foundry & Iron Works, Plum Point la, Newark, N. J.
Heggie James G. & Sons, Joliet, Ill.
Heggie W., Joliet, Ill.
Heltzel Steel Form & Iron Co., Warren, O.
Hibben & Co., 9376 Ewing av, Chicago, Ill.
Hodge Boiler Works, 99 Sumner, E Boston, Mass.
**HOLMES ROBT. & BROS.**, Danville, Ill.
*See adv index at end of book*
Independent Bridge Co., May, Pittsburgh, Pa.
International Boiler Wks. Co., E. Stroudsburg, Pa.
**Iowa Steel & Iron Works, Cedar Rapids, Ia.**
**Ironton Punch & Shear Co., Ironton, O.**
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**Jackson & Church Co., Saginaw, Mich.**
**Johnston Bros., Ferrysburg, Mich.**
**Kansas City Structural Steel Co., Kansas City, Mo.**
**Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio**
**Lacy Mfg. Co. (Of Any Description), Los Angeles, Cal.**
Lake Erie Boiler Wks., Buffalo, N. Y.
Lakeside Bridge & Steel Co., No Milwaukee, Wis. *See adv index at end of book*
**Lancaster Iron Works, Lancaster, Pa.**
**Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.**
Lebanon Boiler Works, Lebanon, Pa.
Leetonia Boiler Co., Leetonia, O.
**Leslie Elliott & Co., Paterson, N. J.**
**Lindsay W. W. & Co., Harrison bldg, Philadelphia, Pa.**
**Logan Iron Works, 54 Commercial, Brooklyn, N. Y.**
**Lookout Boiler Mfg. Co., Chattanooga, Tenn.**
Lucius Mfg. Co., Massilon, Ohio
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
**McDermott Engineering Co., Allentown, Pa.**
McNamara Bros. Co., Westport, Baltimore, Md.
**McNeil Jas. & Bro. Co., Pittsburgh, Pa.**
**Manitowoc Engineering Works, Manitowoc, Wis.**
Meehan Boiler & Const. Co., Lowellville, Ohio
**Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.**
**Meyer Otto C. & Co., 30 Franklin, Brooklyn, N. Y.**
**Michelmann Steel Construction Co., Quincy, Ill.**
Mitchell-Tappen Co., 15 John, New York
**Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.**
Murray Iron Works Co., Burlington, Ia.
Nashville Bridge Co., Nashville, Tenn.
National Boiler & Sheet Iron Works, Indianapolis, Ind.
Nelson N. P. Iron Works, 212 40th, Brooklyn, N. Y.
**New England Iron Works Co., Summer, Boston, Mass.**
New Haven Boiler Works, New Haven, Conn.
**Niles Forge & Mfg. Co., Niles, O.**
Novelty Steam Boiler Works (Tripplett & Jennings, Props.), 917 S Howard, Baltimore, Md.
Oil City Boiler Works, Oil City, Pa.
Peerless Steel Co., Ardmore, Okla.
**Penn Foundry & Mfg. Co., Reading, Pa.**
Penna. Engineering Wks., New Castle, Pa.
**Petroleum Iron Works Co., Sharon, Pa.**
Petty J. K. & Co. (Lebanon Boiler Works), **Stephen Girard bldg, Phila., Pa.**
Phoenix Iron Works Co., Meadville, Pa.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pollock Wm. B. Co., Youngstown, O.
Puget Sound Boiler Works, Seattle, Wash.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Renneburg E. & Sons Co., 2639 Boston, Baltimore, Md.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Riter-Conley Co., Oliver bldg., Pittsburgh, Pa.
Roberts Iron Works Co., Cambridge, Mass.
Rock Island Bridge & Iron Works, Rock Island, Ill.
Ruemmell-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Russell Daniel Boiler Works, 93 Boston, Boston, Mass.
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*
Scannell Boiler Works, Lowell, Mass.
Shaw Benj. F. Co., Wilmington, Del.
Schofield's J. S. Sons Co., Macon, Ga.
Shoemaker Lewis F. & Co., 2 S 15th, Phila., Pa.
Smith Samuel & Son Co., Paterson, N. J.
Southern Boiler & Tank Works, Memphis, Tenn.
Speirs Bros., New London, Conn.
Sprenger Joseph & Sons, 1186 W Jefferson av, Detroit, Mich.
Stacey Mfg. Co., Township av, Elmwood, & Big 4 R. R., Cincinnati, O.
**Standard Boiler & Plate Iron Co., Niles, O.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Struthers-Wells Co. (Riveted & Welded for Oil Refineries, Sugar Refineries, Soap Factories, Wood Alcohol & Turpentine Plants), Warren, Pa.**
Tippett & Wood, Philipsburg, N. J.
Titusville Iron Co., Titusville, Pa.
**Tofte Boiler & Sheet Iron Works, Houston, Texas**
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
**Tulsa Boiler & Machny. Co., Tulsa, Okla.**
Turl Engineering Works, Inc., 39 Cortlandt, New York
Turl Iron & Car Co. (Inc), The, 50 Broad, New York. Works: Newburgh, N. Y.
**Twin City Boiler Works, Bristol, Va.**
Union Iron Works, Hoboken, N. J.
**United Boiler Heating & Foundry Co., Hammond, Ind.**
**Utica Steam Engine & Boiler Works, Utica, N. Y.**
**Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.**
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
**Walsh's Holyoke Steam Boiler Works, Holyoke, Mass.**
**Warren City Tank & Boiler Co., Warren, O.**
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Iron & Foundry Co., Wichita, Kans.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wetherill Robt. & Co., Chester, Pa.
Wholey Boiler Works, 95 Whipple, Providence, R. I.
Youngstown Boiler & Tank Co., Youngstown, Ohio
Zimmerman Boiler & Tank Wks., Dayton, O.

## Steel Plates & Heads (Sheared)

**See Boiler Heads, Flanged & Dished**

## 14236—Steel Plates & Sheets

Aero Wks. Inc., 89 Warren, New York
**Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.**
Alloy Steel Forging Co., Carnegie, Pa.
**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York
***See adv index at end of book***
American Sheet & Tin Plate Co., Frick bldg., Pittsburgh, Pa.
**American Tube & Stamping Co., Bridgeport, Conn.**
**Bethlehem Steel Co., Steelton, Pa.; & Sparrows Point, Md.**

Blancke A. C. Co., 116 S. Michigan av, Chicago, Ill. *See adv index at end of book*
**Brier Hill Steel Co., Youngstown, Ohio**
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
**CARNICK BROS. CO.** (Warehouse), 13 Oak Hill av, Youngstown, O.
**Central Iron & Steel Co., Harrisburg, Pa.**
**Colonial Iron Wks Co., 881-885 E 67th, Cleveland, Ohio**
Crucible Steel Co. of America (Special **Quality of Crucible & Open Hearth), Oliver bldg, Pittsburgh, Pa.**
**Donner Steel Co., 475 Abbott rd, Buffalo, N. Y.**
Electro Steel Co. Inc., Curry bldg, Pittsburgh, Pa.
Falcon Steel Co., Niles, Ohio
**Forged Steel Wheel Co., Frick bldg., Pittsburgh, Pa.** *See adv index at end of book*
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Great Lakes Products Co., 431 S Dearborn, Chicago, Ill.
Halcomb Steel Co. (Sheet Only), Syracuse, N. Y. *See adv index at end of book*
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
***See adv index at end of book***
**Hawkridge Bros. Co., 303 Congress, Boston, Mass.** *See adv index at end of book*
Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.
**Hudson Sheet & Tin Plate Co., Hickox bldg., Cleveland, O.**
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
**Illinois Steel Co., 208 S La Salle, Chicago, Ill.**
**Inland Steel Co. (Light Open Hearth), 1st National Bank bldg, Chicago, Ill.**
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
**Jones & Laughlin Steel Co., Rosa, Pittsburgh, Pa.**
La Belle Iron Works (No. 30 & Heavier), Steubenville, O.
**Lackawanna Steel Co., Buffalo, N. Y.**
**Lukens Steel Co. (Open Hearth, Plates Only), Coatesville, Pa.**
Mahoning Valley Steel Co. ("Marasco" Sheets), Niles, Ohio.
**Massillon Rolling Mill Co., Massillon, O.**
**Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.**
**Nagle Steel Co., Pottstown, Pa.**
National Pressed Steel Co., Massilon, O.
Newton Steel Co., Youngstown, Ohio
Ohio Corrugating Co., Warren, O.
**Otis Steel Co. (Open-Hearth Steel Plates & Sheets), Leader-News bldg, Cleveland, O.**
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
**Republic Iron & Steel Co. (Open Hearth, Soft & Hard Merchants, Plates Only),** Youngstown, O.
*For branch offices see alphabetical section*
**RYERSON JOS. T. & SON,** 910 Corn Exchange bldg., & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
**Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.**
Twin City Boiler Works, Bristol, Va.
**Union Iron & Steel Co., 1610 Reading rd, Cincinnati, Ohio**
Watson Bros. Steel Co., Youngston, O.
**West Penn Steel Co., Brackenridge, Pa.**
**WETHERELL BROS CO.** (Carbon Steel), 251 Albany, Cambridge, Mass.
***See adv index at end of book***
Whitaker-Glessner Co. (Light & Heavy Sheets), Wheeling, W. Va
Wood Alan Iron & Steel Co. ("A. W.", Iron & Steel, Flue & Plate), Widener bldg, Phila., Pa.
**Youngstown Sheet & Tube Co., Youngstown, Ohio**

## Steel (Plow)

**See Steel, Agricultural Implement**

## 14237—Steel (Powder Keg)

**American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**
Falcon Steel Co., Niles, Ohio
Wood J. & Bros. Co., Conshohocken, Pa.

## 14238— Steel (Pressed)

**See also Pressed Steel Specialties**

**American Tube & Stamping Co., Bridgeport, Conn.**
Berger Mfg. Co. (Metal Lumber), Canton, Ohio
**BOSSERT CORPORATION (THE),** (Joints, Universal Pressed Steel Ball Joints, Joint Housings), cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
**Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.**
Geuder Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
**Globe Machine & Stamping Co., 1250 W 76th. Cleveland, O.**
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**National Pressed Steel Co., Massillon, O.**
Oakes Co. (Cold), Indianapolis, Ind.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Rockwood Sprinkler Co., Worcester, Mass.
Standard Metalwood Co., Thompsonville, Conn.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
**WORCESTER PRESSED STEEL CO.** (Bearings, Fittings & Specialties), Worcester, Mass.
*See adv index at end of book*
**YOUNGSTOWN PRESSED STEEL CO.** (Goods to Order), Warren, Ohio
*See adv index at end of book*

## 14238a— *Steel (Railroad Track)

Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*

## Steel Rails

**See Rail Mills, Iron & Steel**

## 14239—Steel (Range Boiler)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Wood Alan Iron & Steel Co ("A. W."), Widener bldg, Phila., Pa.

## Steel Ribs & Lagging

See Centering, Steel

## Steel Roofing

**See Roofing & Siding, Iron & Steel**

## 14240—Steel (Safe & Vault)

Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
**Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.**
**Colonial Steel Co. (5 Ply), 324 4th av, Pittsburgh, Pa.**
**Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa.**
*See adv index at end of book*
Safe-Cabinet Co., Marietta, Ohio.

## 14241— Steel (Saw)

Aero Wks. Inc., 89 Warren, New York
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
**Colonial Steel Co., 324 4th av, Pittsburgh, Pa.**
Fairley-Davidson Steel Co., 122 Maiden la, New York
**Kaufman E. & Co., Farmers Bank bldg, Pittsburgh, Pa.**
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

## 14242— Steel Screw Stock

**AMERICAN STEEL & WIRE CO. (Free Cutting), 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Columbia Steel & Shafting Co., Kirkwood, Pittsburgh, Pa.
Compressed Steel Shafting Co., Leadville, Boston, Mass.
**Frasse Peter A. & Co. Inc., 417 Canal, New York; Works: Hartford, Conn.**
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
Johnson Frank H., 208 S La Salle, Chicago, Ill.
**LANCASTER STEEL PRODUCTS CORP.,** Lancaster, Pa.
*See adv index at end of book*
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
New England Drawn Steel Co., Mansfield, Mass.
**Pittsburgh Shafting Co. of Detroit (Cold Rolled), Detroit, Mich.**
**PURDY A. R. CO., INC.,** 130 Christopher, New York *See adv index at end of book*
**Standard Gauge Steel Co. (Cold Drawn Steel), Beaver Falls, Pa.**
**Union Drawn Steel Co. (Cold Drawn), Beaver Falls, Pa.**
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
**WETHERELL BROS. CO.,** 251 Albany, Cambridge, Mass.
*See adv index at end of book*

## 14243—Steel (Self-Hardening)

**Firms marked with a (*) Star are either Jobbers or Importers**

**Atlas Crucible Steel Co. (L X X High Speed Steel), Dunkirk, N. Y.**
**Bethlehem Steel Co. (Open Hearth), South Bethlehem, Pa.**
**Columbia Tool Steel Co., 552 W Lake, Chicago Heights, Ill.**
**Crucible Steel Co. of America ("Park's"), Oliver bldg, Pittsburgh, Pa.**
Electric Alloy Steel Co., Youngstown, O.
**Firth-Sterling Co., McKeesport, Pa.**
Frasse Peter A. & Co. (Inc.), 417 Canal, New York. Works: Hartford, Conn.
Hammond Steel Co., Inc., Syracuse, N. Y.
*Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass.
*See adv index at end of book*
Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*


# Cold Drawn Screw Stock and Shafting

AGENTS FOR FITZIMONS CO.

*Warehouse Stock at Cambridge*

WETHERELL BROS. CO. 251 Albany St., Cambridge, Mass.

STEEL (SELF-HARDENING)—continued
*Hobson-Houghton & Co. ("Sqhg" Imp.), 83 Beekman, New York
*Houghton & Richards, 145 Oliver, Boston, Mass.
Illingworth Jno. Steel Co., Tacony & Lewis, Phila., Pa.
International High Speed Steel Co., 99 Nassau, New York
*Jessop Wm. & Sons (Inc.) (Imp.), 91 John, New York
Latrobe Electric Steel Co., Latrobe, Pa.
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
*Rossell Henry ("Invanhoe," Made in Sheffield, England), 24 S Jefferson, Chicago, Ill.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg., & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Vulcan Crucible Steel Co., Aliquippa, Pa.
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

## 14244— Steel Shapes

See also Steel Structural Mills

Baker W. W. & Co., 940 N Front, Phila., Pa. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Hammond Steel Co., Inc., Syracuse, N. Y.
International High Speed Steel Co., 99 Nassau, New York
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
**LANCASTER STEEL PRODUCTS CORP.**, Lancaster, Pa. *See adv index at end of book*
National Drawn Steel Co., East Liverpool, O.
Oakes Co. (Pressed), Indianapolis, Ind.
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
Shoemaker Lewis F. & Co., 2 S 15th, Phila., Pa.
Union Rolling Mill Co., Aetna rd & E 82d, Cleveland, Ohio
Vulcan Mfg. Co., 1200 4th av S, Seattle, Wash.

## 14244a— Steel Shapes (Pressed)

Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Hammond Steel Co., Inc., Syracuse, N. Y.
Heltzel Steel Form & Iron Co., Warren, O.

## 14244b— Steel Sheet

See also Iron & Steel Sheet, Black & Galvanized & Steel Plates & Sheets

American Sheet & Tin Plate Co., Frick bldg., Pittsburgh, Pa.
**FISHEL & MARKS CO.**, ft. of Krakow av, Cleveland, O. *See adv index at end of book*
Forment & Co. (Galvanized), 150 Bank, New York
**FULLER STEEL & IRON CO.**, Park bldg, Pittsburgh, Pa.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**HARVEY ARTHUR C. CO.**, Harvey Steel rd, Allston dist., Boston, Mass. *See adv index at end of book*
Standard Steel & Wire Co., 549 Washington, Chicago, Ill. *See adv index at end of book*

## 14245— Steel Sheet Bars

**Allegheny Steel Co. (Open Hearth), Oliver bldg, Pittsburgh, Pa.**
**Andrews Steel Co. (Open Hearth), Newport, Ky.**
**Ashland Steel Co. (Bessemer Steel Sheet), Ashland, Ky.**
Brier Hill Steel Co., Youngstown, O.
**Cambria Steel Co., Widener bldg, Phila., Pa.**
**Carnegie Steel Co. (Bessemer & Open Hearth), Carnegie bldg, Pittsburgh, Pa.**
**Central Steel Co. ("Agathon," Bars, Billets and Slabs), Massillon, O.**
Follansbee Bros. Co. (Open Hearth), 3d & Liberty, Pittsburgh, Pa.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**HARRISBURG PIPE & PIPE BENDING CO.** (Open Hearth), Herr, nr. 10th, Harrisburg, Pa.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Inland Steel Co. (Open Hearth), First Nat'l Bank bldg, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Jessop Wm. & Sons, Inc., 91 John, New York
**Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.**
**La Belle Iron Works (Open Hearth), Steubenville, O.**
Lackawanna Steel Co. (Open Hearth, Bessemer), Buffalo, N. Y.
**Pigott Thos. E., 632 Frankford av, Cleveland, O.**
Reeves Mfg. Co., Dover, Ohio
**REPUBLIC IRON & STEEL CO.** (Open Hearth & Bessemer), Youngstown, O. *See Branch Offices Alphabetical Section*
**Sharon Steel Hoop Co. (Open Hearth), Sharon, Pa.**
**United Alloy Steel Corp. (Open Hearth), Canton, O.** *See adv index at end of book*
Van Brunt J. A. & Co., Inc., 114 John, New York
**West Penn Steel Co., Brackenridge, Pa.**
**Youngstown Sheet & Tube Co. (Soft Bessemer and Open-hearth; also Iron "Youngstown"), Youngstown, O.**

## 14246—Steel Sheet Blanking & Forming

**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York *See adv index at end of book*
Boston Pressed Metal Co., 170 Union, Worcester, Mass.
Falcon Steel Co., Niles, Ohio
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
International High Speed Steel Co., 99 Nassau, New York

## 14247— Steel Sheet Plates

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
*Falcon Steel Co., Niles, Ohio
Fuller Steel & Iron Co., Park bldg., Pittsburgh, Pa. *See adv index at end of book*
Haring Ellsworth ("Elhar" Steel Sheets), 114 Liberty, New York
**Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.**
**Massillon Rolling Mill Co., Massillon, O.**

## 14248—Steel Sheets (Aluminum Coated)

Falcon Steel Co., Niles, Ohio
**Wilder Metal Coating & Mfg. Co. (Also Iron), Connellsville, Pa.**

## 14249—Steel Sheets (Blue Annealed)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Andrews Steel Co. Newport, Ky.
Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.
**Berger & Carter Co. (Owners of Pacific Tool & Supply Co.) (Jobbers), 365 Market, San Francisco, Cal.**
**Berger Mfg. Co., Canton, O.**
Brier Hill Steel Co., Youngstown, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Falcon Steel Co., Niles, Ohio
**Ferguson Steel & Iron Co., Inc., Buffalo, N. Y.**
Follansbee Bros. Co., 3d & Liberty, Pittsburgh, Pa.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist., Boston, Mass. *See adv index at end of book*
**Horner W. S. & Co., Oliver bldg, Pittsburgh, Pa.**
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
Inland Steel Co. (Open Hearth), First Nat'l Bank bldg, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
**Judson Mfg. Co., 819 Folsom, San Francisco, Cal.**
**La Belle Iron Works (Open-Hearth Steel Plates, 3-16 to 18 Gauge), Steubenville, O.**
**MERCHANT & EVANS CO.**, Washington av & 21st, Phila., Pa. *See adv index at end of book*
National Sales & Trading Co., Cleveland, Ohio
**Ohio Corrugating Co., Warren, O.**
Otis Steel Co., Leader-News bldg, Cleveland, O.
**Parkersburg Iron & Steel Co., Parkersburg, W. Va.**
Reeves Mfg. Co., Dover, Ohio
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
**RYERSON JOS. T. & SON**, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Seneca Iron & Steel Co., Buffalo, N. Y.
**Sharon Steel Hoop Co. (Basic Open Hearth), Sharon, Pa.**
Soulé Edw. L. Co. (Iron & Steel Products of all Kinds), Rialto bldg, San Francisco, Cal. *See adv index at end of book*
Stark Rolling Mill Co. (Open Hearth Steel), Canton, O.
Stolz Jos. & Son Inc., 841 E 136th, New York
**Trumbull Steel Co., Warren, O.**
Van Brunt J. A. & Co. Inc., 114 John, New York
Ward's Edgar T Sons Co. (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
Watson Bros. Steel Co., Youngstown, O.
**Whitaker-Glessner Co. (8 to 16 Gauges, Up to 54 inches), Wheeling, W. Va.**
**Wood Alan Iron & Steel Co. ("A. W."), Widener bldg, Phila., Pa.**
Wood J. & Bros. Co., Conshohocken, Pa.

## 14250—Steel Sheets (Box Annealed)

**American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Falcon Steel Co., Niles, Ohio
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
Inland Steel Co., First Nat'l. Bank bldg, Chicago, Ill.
La Belle Iron Works, Steubenville, O.
McCullough Iron Co., Equitable bldg, Wilmington, Del.
Mahoning Valley Steel Co., Niles, Ohio
Massillon Rolling Mill Co., Massillon, Ohio
Otis Steel Co., Leader-News bldg, Cleveland, O.
Reeves Mfg. Co., Dover, Ohio
Seneca Iron & Steel Co., Buffalo, N. Y.
**Sharon Steel Hoop Co. (Basic Open-Hearth), Sharon, Pa.**
Stark Rolling Mill Co., Canton, O.
Trumbull Steel Co., Warren, O.
Whitaker-Glessner Co., Wheeling, W. Va.

## 14251-2—Steel Sheets (Buggy Bow)

American Sheet & Tin Plate Co., Frick bldg. Pittsburgh, Pa.
Canton Sheet Steel Co., Canton, O.
Falcon Steel Co., Niles, Ohio
Follansbee Bros. Co., 3d & Liberty, Pittsburgh, Pa.
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
**Mansfield Sheet & Tin Plate Co., Mansfield, O.**
**Massillon Rolling Mill Co., Massillon, Ohio**
**Reeves Mfg. Co., Dover, Ohio**
West Penn Steel Co. (Open Hearth), Brackenridge, Pa.
**Whitaker-Glessner Co. ("Black"), Wheeling, W. Va.**

## Steel Sheets (Cold Rolled)

See Firms in Steel, Cold Rolled, with word "Sheets" following their names

## 14253—Steel Sheets (Copper Bearing)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
**KRAMER H. & CO.** (Bearings Materials), 1324 W 21st, Chicago, Ill.
Whitaker-Glessner Co. (Ohio Metal), **Wheeling, W. Va.**

## 14254—Steel Sheets (Enameled)

Falcon Steel Co., Niles, Ohio
**VITREOUS ENAMELING CO.,** Grant av, Cleveland, O. *See adv index at end of book*

## 14255—Steel Sheets for Shovels, Saws, Hoes, Springs, Etc.

**American Sheet & Tin Plate Co. (Shovels,** Hoes, etc), Frick bldg, Pittsburgh, Pa.
Carbon Steel Co., ft 32d, Pittsburgh, Pa.
Falcon Steel Co., Niles, Ohio
**HALCOMB STEEL CO.** (For Saws, Springs, Cutlery, etc.), Syracuse, N. Y. *See adv index at end of book*
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass. *See adv index at end of book*
**Kaufman E. & Co., Farmers Bank bldg, Pittsburgh, Pa.**
Purdy A. R. Co. Inc., 130 Christopher, New York. *See adv index at end of book*
**Reeves Mfg. Co., Dover, Ohio**
**Rowland Wm. & Harvey, Tacony & Lewis, Phila., Pa.**
**WETHERELL BROS CO.,** 251 Albany, Cambridge, Mass. *See adv index at end of book*

## Steel Sheets for Stamped Ware

**See Iron & Steel Sheet, Black & Galvanized**

## Steel Sheets (Galvanized)

**See Iron & Steel Sheet, Black & Galvanized**

## 14256—Steel Sheets ("Lohmanized")

**Republic Iron & Steel Co. (Niles Wks.),** (Non-Corrosive), Niles, O.
Trumbull Steel Co. (Long Terms), Warren, O.

## 14257—Steel Sheets (Pickled)

**Allegheny Steel Co. (Cold Rolled), Oliver bldg, Pittsburgh, Pa.**
**American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**
Brier Hill Steel Co., Youngstown, O.
Carbon Steel Co., ft 32d, Pittsburgh, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Falcon Steel Co., Niles, Ohio
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass. *See adv index at end of book*
**Inland Steel Co., First Natl Bank bldg, Chicago, Ill.**
**Jessop Steel Co., Washington, Pa.**
**Mahoning Valley Steel Co., Niles, Ohio**
**Mansfield Sheet & Tin Plate Co., Mansfield, O.**
**Massillon Rolling Mill Co., Massillon, O.**
**Otis Steel Co., Leader-News bldg, Cleveland, O.**
Reeves Mfg. Co., Dover, Ohio
**Seneca Iron & Steel Co. (For Sheet Metal Stampings, etc), Buffalo, N. Y.**
**Stark Rolling Mill Co., Canton, O.**
**Watson Bros. Steel Co. (For Stamping), Youngstwn, O.**
**West Penn Steel Co. (Open Hearth),** Brackenridge, Pa.
Wood Alan Iron & Steel Co. ("A. & W."), **Widener bldg, Phila., Pa.**
Wood J. & Bros. Co., Conshohocken, Pa.

## 14258—Steel Sheets (Planished & Polished)

American Sheet & Tin Plate Co. (Polished Only), Frick bldg, Pittsburgh, Pa.
Follansbee Bros. Co., 3d & Liberty, Pittsburgh, Pa.
Harvey Arthur C. Co., Harvey Steel rd, Allston dist, Boston, Mass. *See adv index at end of book*
**Mansfield Sheet & Tin Plate Co. (Polished Only),** Mansfield, O.
**Massillon Rolling Mill Co. (Polished, also for Stove Purposes),** Massillon, O.
**MERCHANT & EVANS CO.,** Washington av & 21st, Phila., Pa. *See adv index at end of book*
Ohio Corrugating Co., Warren, O.
**RYERSON JOS. T. & SON,** 910 Corn Exchange bldg., & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
Weirton Steel Co. (Polished), Weirton, W. Va.
**Whitaker-Glessner Co. (Wheeling Corrugating Dept.) ("Crescent"), Wheeling, W. Va.**

## 14259-60— Steel Sheets (Re-Annealed)

American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Falcon Steel Co., Niles, Ohio
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
**Massillon Rolling Mill Co., Massillon, Ohio**
**Reeves Mfg. Co., Dover, Ohio**
Stark Rolling Mill Co., Canton, O.
Trumbull Steel Co., Warren, O.
West Penn Steel Co. (Open Hearth), Brackenridge, Pa.

## 14261-2— Steel Shovel Plate

Brier Hill Steel Co., Youngstown, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Falcon Steel Co., Niles, Ohio
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**HARRISBURG PIPE & PIPE BENDING CO.,** Herr nr 10th, Harrisburg, Pa.
**Indiana Rolling Mill Co. (High Carbon Sheet Steel for Shovel Plate, Grain Drill & Harrow Discs, etc), New Castle, Ind.**
Kaufman E. & Co., Farmers Bank bldg, **Pittsburgh, Pa.**
La Belle Iron Works, Steubenville, O.
Lessig Geo. B. Co., Pottstown, Pa.
**Republic Iron & Steel Co. (Niles Wks.),** Niles, O.
**Tremont Nail Co., West Wareham, Mass.**
**Wyoming Shovel Works, Wyoming, Pa.**

## Steel Skelp

**See Iron & Steel Skelp**

## Steel Slabs

**See Billets, Blooms & Slabs, Steel**

## 14263— Steel (Soft)

Baker W. W. Co. & Co., 940 No. Front, Phila., Pa. *See adv index at end of book*


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**Canton Sheet Steel Co. ("Winir" Open-Hearth Extra Soft Sheets), Canton, O.**
**Carbon Steel Co., ft. 32nd, Pittsburgh, Pa.**
Central Steel Co. ("Agathon" Bars, Billets and Slabs), **Massillon, O.**
Columbia Steel & Shafting Co. (Hot & Cold Rolled Strip for Stamping, Drawing, etc.), Kirkwood, Pittsburgh, Pa. Works: Carnegie, Pa.
Crucible Steel Co. of America ("Diamond," Soft Center Plow, etc), Oliver bldg, Pittsburgh, Pa.
Elliott-Blair Steel Co. (Bright Dead for Sewing Machine, Typewriter & Bicycle Parts, etc), New Castle, Pa.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
Heltzel Steel Form & Iron Co., Warren, O.
Inland Steel Co. (Bars, Plates, Shapes, Sheets, etc.), First Nat'l Bank bldg, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
Interstate Iron & Steel Co. (Flats, etc) 104 S Michigan av, Chicago, Ill.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Lancaster Steel Products Corp., Lancaster, Pa. *See adv index at end of book*
Lockhart Iron & Steel Co. (In Bars, Hexagons & Grooved, etc), Pittsburgh, Pa.
Midvale Steel & Ordnance Co. (For Screw Machine Work, etc.), Widener bldg, Phila., Pa.
Moline Plow Co. ("Flying Dutchman" "Acme" Soft Center Plow), Moline, Ill.
New England Drawn Steel Co. (Screw & Shafting), Mansfield, Mass.
Pardee C. Works (Open Hearth), Perth Amboy, N. J.
Parkersburg Iron & Steel Co. ("National" Bessemer Sheets Re-Annealed), Parkersburg, W. Va.
Purdy A. R. Co. Inc., 130 Christopher, New York. *See adv index at end of book*
Republic Iron & Steel Co. (Open Hearth), Youngstown, O.
*For branch offices see alphabetical section*
Rockaway Rolling Mill (Bar), Rockaway, N. J.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*


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**" —Bright Soft Market**
**" —Barbed**
**" —Cold Rolled Flat**
**" —Welding**
**WIRE—Rods**


STEEL (SOFT)—continued

Sweets Steel Co. (Open Hearth), Williamsport, Pa.
Taylor N. & G. Co., 300 Chestnut, Phila., Pa.
Union Rolling Mill Co. (Bars, etc.), Aetna rd & E. 82d, Cleveland, O.
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
Wood Alan Iron & Steel Co. (Blue Annealed Sheets & Special Soft Steel for Deep Stamping & Drawing), Widener bldg, Phila., Pa.
Wood J. & Bros. Co. (Sheets), Conshohocken, Pa.

## 14264— Steel (Spring)

Aero Wks. Inc., 89 Warren, New York
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill. *See adv index at end of book*
American Tube & Stamping Co., Bridgeport, Conn.
Athenia Steel Co. (Tempered & Polished for Clock, Watch, Motor & Typewriter Springs), 135 William, New York
Bethlehem Steel Co. (Open Hearth), South Bethlehem, Pa.
Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Boker H. & Co., Inc. (Cold Roller) "Novo Superior," "Intra," "Gibraltar"), 101 Duane, New York
Braeburn Steel Co., Braeburn, Pa.
Cambria Steel Co. ("Enduria" & "Resilia"), Widener bldg, Phila., Pa.
Carbon Steel Co., ft 32d, Pittsburgh, Pa.
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Central Steel Co. ("Agathon," Bars, Billets & Slabs), Massillon, Ohio
Crowley John A. Co., 120 Liberty, New York
Crucible Steel Co. of America (Crucible Open Hearth), Oliver bldg, Pittsburgh, Pa.
Fairley-Davidson Steel Co., 122 Maiden la, New York
Farist Steel Co. (Open Hearth & Crucible), Bridgeport, Conn.
Frasse Peter A. & Co. (Inc,), 417 Canal, New York; Works: Hartford.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Harrow Spring Co. (Milled Bars & Rods), Milwaukee, Wis. Works: Kalamazoo, Mich.
**HARVEY ARTHUR C. CO.,** Harvey Steel rd, Allston dist, Boston, Mass. *See adv index at end of book*
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
International High Speed Steel Co., 99 Nassau, New York
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Kaufman E. & Co., Farmers Bank bldg, Pittsburgh, Pa.
Laclede Steel Co., Arcade bldg, St. Louis, Mo.
Latrobe Electric Steel Co., Latrobe, Pa.
Merchant & Evans Co., Washington av & 21st, Phila., Pa. *See adv index at end of book*
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Newman C. Wire Co. (Annealed, Tempered, Tempered & Polished, etc., Flat), 25 Church, New York
Patriarche & Bell (Jobbers), 350 West, New York
Pigott Thos. E., 632 Frankford av, Cleveland, O.
Pittsburgh Cold Rolled Steel Co., 39th & P. R. R., Pittsburgh, Pa.
**PURDY A. R. CO. INC.,** 130 Christopher, New York *See adv index at end of book*
Railway Steel Spring Co., 30 Church, New York
Republic Iron & Steel Co., Youngstown, O. *See Branch Offices Alphabetical Section*
Scott, Suyden & Lamont, Monadnock bldg., San Francisco, Cal.
Standard Steel & Wire Co., 549 W Washington blvd, Chicago, Ill. *See adv index at end of book*
Sweets Steel Co. (Open Hearth), Williamsport, Pa.
Tacony Steel Co., Tacony, Phila., Pa
United Alloy Steel Corp. (Alloy Steel, Open Hearth & Electric Furnace; Chrome Vanadium, "Elastique" Silico Manganese, "Crucia" Chrome Carbon), Canton, O. *See adv index at end of book*
Vulcan Crucible Steel Co., Aliquippa, Pa.
**WARD'S EDGAR T. SONS CO.,** 44-54 Farnsworth, Boston, Mass. *See adv index at end of book*
**WARD'S, EDGAR T., SONS CO.** (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
Wetherell Bros. Co. (Sheet), 251 Albany, Cambridge, Mass. *See adv index at end of book*
Wyoming Shovel Works (Open-Hearth & Crucible), Wyoming, Pa.

## 14265— Steel Strips (Stamping, Pickled)

Erie Metal Products Co., Erie, Pa.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**HARRISBURG PIPE & PIPE BENDING CO.,** Herr nr 10th, Harrisburg, Pa.
International High Speed Steel Co., 99 Nassau, New York
Kaufman E. & Co., Farmers Bank bldg, Pittsburgh, Pa.
Laclede Steel Co. (& deep drawing), Arcade bldg, St. Louis, Mo.
National Pressed Steel Co. ("Robal"), Massillon, O.

## 14266—Steel Structural Dealers

Allen W. H., Jr., 110 State, Boston, Mass.
**Austin & Doten,** 102 North, Boston, Mass.
**Bacon & Co.,** 107 Oliver, Boston, Mass.
Baily R. M. & Co., Commercial Trust bldg, Phila., Pa.
Balfour, Guthrie & Co., San Francisco, Cal.
**Belmont Iron Works,** 22d & Wash av, Phila., Pa.
Berger & Carter Co. (Owners of Pacific Tool & Supply Co.), 365 Market, San Fransisco, Cal.
Bethlehem Construction Co., Bethlehem, Pa.
Bethlehem Fabricators, Inc., Bethlehem, Pa.
Blodgett & Clapp Co., 1417 Main, Hartford, Conn.
Bourne-Fuller Co., Hickox bldg, Cleveland, O.
Brooks T. H. & Co., Cleveland, O.
Brown-Wales Co., 489 C, Boston, Mass.
Carlson Forgings Co., 733 Fulton, Chicago, Ill.
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**FISHEL & MARKS CO.,** ft of Krakow av, Cleveland, O.
*See adv index at end of book*
**Froment & Co., 150 Bank, New York**
Goldberg J. & Son (Second Hand), 7500 Indep av, Kansas City, Mo.
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**Lackawanna Bridge Co., Buffalo, N. Y.**
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Lehigh Structural Steel Co., Allentown, Pa.
Lockwood Arthur J., 304 Hudson, New York
Lukens Steel Co., Coatsville, Pa.
McInnes Charles E. & Co., Mariner & Merchants bldg., Phila., Pa.
Mesker Geo. L. & Co., Evansville, Ind.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Morris Wheeler & Co., 30th & Locust, Phila., Pa.
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Newkirk John B. & Co., 1502 Market, Phila., Pa.
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Northwest Steel Co., ft. of Sheridan, Portland, Ore.
Ogden & Wallace, 577 Greenwich, New York
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Providence Steel & Iron Co., Kinsley av, Providence, R. I.
**Republic Structural Iron Works Co., E 53d & Lakeside av, Cleveland, O.**
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Rieseck Iron Works, 1201 Metropolitan, Pittsburgh, Pa.
Russel Wheel & Foundry Co., Chene Blvd & RR, Detroit, Mich.
**RYERSON JOS. T. & SON,** 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill. *See adv index at end of book*
St. Joseph Structural Steel Co., St. Joseph, Mo.
**Schreiber L & Sons Co., 3869 Ivanhoe, Cincinnati, O.**
**Scully Steel & Iron Co, 2364 S Ashland av, Chicago, Ill.**
**Smith Samuel Machine Co., Lawrence, Mass.**
Soulé Edw. L. Co. (Iron & Steel Products of All Kinds), Rialto bldg, San Francisco, Cal.
*See adv index at end of book*
Southern Foundry Co. (Beams Cut & Punched), Owensboro, Ky.
Speddy T. H. & Co., 85 2d, San Francisco, Cal.
Spencer Geo. G., 332 S La Salle, Chicago, Ill.
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**Toy W. M. & Co., 10 E Shelby, Sidney, Ohio**
**Tulsa Boiler & Machy. Co., Tulsa, Okla.**
**Union Foundry Works, 38 S Dearborn, Chicago, Ill.**
**Union Iron & Steel Co., 1610 Reading rd, Cincinnati, O.**
Uris Abe, Iron & Steel Corp., 38 S 8th, Brooklyn, N. Y.
Vance, John C., Iron & Steel Co., Chattanooga, Tenn.
**Vanderlip H. E. & Co., 19 S La Salle, Chicago, Ill.**
Walsh's Sons & Co. Inc., (I Beams, etc), Newark, N. J.
**West Side Structural Co., Troy, N. Y.**
Wilkoff Co., Youngstown, Ohio
Wilson, Wm. H., Iron Works, Rochester, N. Y.
Worden-Allen Co., Pt. Washington rd, Milwaukee, Wis.

## 14267—Steel Structural Mills

See also Steel (Angles, Channels & Shapes)

***Indicates Mills that Fit Structural Work**
**†Indicates Mills that Roll I Beams**

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*See adv index at end of book*
***†American Bridge Co. (Open Hearth Steel Angles, Beams, Deck Beams, Channels, Tees, Zees, etc.), 30 Church, New York**
**†Bethlehem Steel Co. (Bessemer & Open Hearth Angles, Beams, Channels, Tees & Special Wide Flanged Rolled Beams & Girders), South Bethlehem, Pa**
Blaw-Knox Co., Farmers' Bank bldg, Pittsburgh, Pa.
Booth J. B. & Co., 216 E Robinson, Pittsburgh, Pa.
**Braun J. G., 609 S Paulina, Chicago, Ill.**
**Buffalo Steel Co. (Bessemer Steel Angles, Channels, Tees, etc), Tonawanda, N. Y.**
***†Cambria Steel Co. (Bessemer & Open Hearth Steel Angles, Beams, Girders, Channels, Tees, etc), Widener bldg, Phila., Pa.**
**†Carnegie Steel Co. (Bessemer & Open Hearth Steel Angles, Beams, Girders, Channels, Tees, Zees, etc), Carnegie bldg., Pittsburgh, Pa.**
Central Iron & Stel Co. (Universal Bridge & Structural Plates), Harrisburg, Pa.
Chrome Steel Works (Chrome Steel Angles 3, 4, 6, & 8 inch), Chrome, N. J.
**Davis Bros. (Small Even Leg Iron Angles, 12 to Inch), 29th & Bristol, Philadelphia, Pa.**
De Pere Mfg. Co., West De Pere, Wis.
***†Eastern Steel Co. (Open Hearth Steel Angles, Beams, Channels, Tees, etc), Pottsville, Pa.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Ft. Wayne Iron Steel Rolling Mills (Small Channels for Fire Escapes, Fences, etc), W. Taylor, Ft. Wayne, Ind.
*See adv index at end of book*
Froment & Co., 150 Bank, New York
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.**
Glasgow Iron Co. (Iron & Steel Bridge Plates), Pottstown, Pa.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.

**Small Channels and Angles**
**For Fire Escapes, Fences, etc.**
**Fort Wayne Iron Steel Rolling Mills**
**West Taylor St., Fort Wayne, Ind.**

Hirsch Rolling Mill Co. (Iron & Steel Angles & Shapes), Ecoff & Manchester, St. Louis, Mo.
***†Illinois Steel Co. (Bessmer & Open Hearth Steel Angles, Beams, Channels, Tees, etc), 208 S La Salle, Chicago, Ill.**
**INLAND STEEL CO.** (Open Hearth & Steel Angles, I Beams, Channels, Tees, etc), 1st Nat. Bank bldg, Chicago, Ill.
Interstate Iron & Steel Co. (Angles, Channels, Tees, etc), 104 Michigan av, Chicago, Ill. Works: East Chicago, Ind.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
***†Jones & Laughlin Steel Co. (Angles, Beams, Channels, Tees, etc), Ross, Pittsburgh, Pa.**
Judson Mfg. Co. (Structural & Agricultural Shapes), 819 Folsom, San Francisco, Cal.
Kawner Mfg. Co. (Iron & Steel Cold Drawn Channels), Niles, Mich.
***†Lackawanna Steel Co. (Bessemer & Open Hearth Angles, Beams, Channels, Tees, etc), Buffalo, N. Y.**
Lockhart Iron & Steel Co. (Bridge Iron & Iron & Steel Angles & Channels), Pittsburgh, Pa.
Logan Iron & Steel Co. (Bridge Iron & Angles), St. Girard bldg., Phila., Pa.
**Lukens Steel Co. (Open Hearth Steel Ship & Bridge Plate), Coatesville, Pa.**
National Pressed Steel Co., Massilon, O.
National Sales & Trading Co., Cleveland, Ohio
Ohio Falls Iron Co. (Small Iron, Angles, Tees & Channels), New Albany, Ind.
Penna. Brake Beam Co. (Deck & I Beams, Brake Beams, etc), Danville, Pa.
***†Phoenix Iron Co. (Open Hearth Steel Angles, Beams, Channels, Tees, etc), 22 S 15th, Philadelphia, Pa. Works: Phoenixville, Pa.**
Pollak Steel Co., Cincinnati, Ohio
**Red Oak Bridge & Iron Works, Red Oak, Ia.**
**Republic Iron & Steel Co. (Light Steel Angle & Channels; also Open Hearth Steel Angles), Oliver bldg, Pittsburgh, Pa.**
*For branch offices see alphabetical section*
Scott, Suyden & Lamont (Beams, Angles, Channels, Tees & Zees), Monadnock bldg., San Francisco, Cal.
Sharon Steel Hoop Co. (Perforated & Light Metal Channels), Sharon, Pa.
Steel & Iron Products Co. (Joist), 1911 Emerson av, Chicago, Ill.
Stolz Jos. & Son Inc., 841 E 136th, New York
**Tennessee Coal, Iron & R. R. Co. (Open Hearth Steel Angles, Channels, Tees, etc), Birmingham, Ala.**
**Union Rolling Mill Co., Aetna rd & E 82nd, Cleveland, O**
Vulcan Mfg. Co. (Angles, Channels, Shapes & Tees), 1200 4th av, So Seattle, Wash.
Wilkoff Co. (Beams & Angles), Youngstown, Ohio
**YOUNGSTOWN PRESSED STEEL CO.** (Cold Formed Angles & Channels), Warren, O. *See adv index at end of book*

## Steel Structural Shapes (Mfrs.)

**See Steel Structural Mills**

## 14268—Steel Structural Work

**Star (*) indicates Firms who also Build Steel Bridges**

### ALABAMA.

BIRMINGHAM—*Birmingham Steel Corp.
Ingalls Iron Works Co.
Johnson & Thompson Co.
*Southern Bridge Co.
MONTGOMERY—Hartley Boiler Works
Janney & Co.

### ARKANSAS.

LITTLE ROCK—Arkansas Foundry Co.

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LOS ANGELES—Baker Iron Works
Llewellyn Iron Works
*Mercereau Bridge & Const. Co.
Pacific Iron & Steel Co. Inc., 2637 Humbolt.
Security Construction Co.
Union Iron Works of Los Angeles Inc., 515 Santa Fe av.
OAKLAND—Jansen Iron Works
SACRAMENTO—*Pollock George Co.
SAN DIEGO—California Iron Works
SAN FRANCISCO—*Bay City Iron Works, 1243 Harrison
Brode Iron Works, 31-37 Hawthorne st
California Steel Co., Hobart bldg.
Central Iron Works (Fabricated), 2050 Bryant
Dyer Bros. Iron Works, 17th & Kansas
*Healy-Tibbitts Construction Co.
*Hyde, Harjes & Co., 110 Market
Judson Mfg Co., 819 Folsom.
Mortenson Construction Co., 19th & Indiana
Pacific Rolling Mills Co., 17th & Mississippi
Pacific Structural Iron Works, 370 10th
Pioneer Construction Co., 180 Jessie
Ralston Iron Works, 20th & Indiana
San Francisco Bridge Co., Nevada Bank bldg
*Thomson Bridge Co., 103 Main
*Western Iron Works, 141 Beale
Yuba Mfg. Co., Insurance bldg

### COLORADO.

COLORADO SPRINGS—Hassell Iron Wks. Co.
DENVER—*American Bridge Co.
Denver Engineering Works Co.
*Denver Steel & Iron Wks. Co.
Queen City Iron & Wire Works Co.
Verdeckberg Iron & Wire Works Co.
*Vulcan Iron Works Co.
PUEBLO—*Pueblo Bridge Co.

### CONNECTICUT.

BERLIN—*Berlin Construction Co.
BRIDGEPORT—Bridgeport Boiler Works Co.
Metz Structural Steel Co.
NEW HAVEN—Farmer Jas. E., 41 Judson av
NEW LONDON—*Scott T. A. Co.
WEST HAVEN—*Adlerhurst Iron Co.

### DISTRICT OF COLUMBIA.

WASHINGTON—Barber & Ross, 11th & G N-W
Jorss A. F., 315 13th, N W
Union Iron Works Co., 212 12th

### GEORGIA.

ATLANTA—*Austin Bros.
*Virginia Bridge & Iron Co.
Withers Foundry & Machine Works
AUGUSTA—*Lombard Iron Works & Supply Co.
MACON—Schofield's J. S. Sons Co.
NEWMAN—*Cole R. D. Mfg.. Co.
SAVANNAH—Kehoe Iron Works
Steel Products Co.

### ILLINOIS.

AURORA—Love Bros.
BATAVIA—*Batavia Engineering Works (Inc.)
CHAMPAIGN—Burr Co.
CHICAGO—*American Bridge Co., W 40th & Princeton
Baily & Allen Co., 122 S Michigan blvd
Benson Chas. A. N. & Co., 1801 N Fairfield av
*Bernhisel Construction Co., 105 W Monroe
Brandes Carl, 1327 Otto
Carlson Forgings Co., 733 Fulton
*CHICAGO BRIDGE & IRON WKS., 2105 Old Colony bldg
*For branch offices see adv index at end of book*
*Continental Bridge Co. (All Steel Derricks & Cranes), 460 Monadnock bldg
Dauchy Iron Works, 223 W Illinois
Gage Structural Steel Co., 3141 S Hoyne av
Hansell-Elcock Co., Archer & Normal avs
Holmes, Pyott & Co., 159 N Jefferson
*Illinois Bridge Co., Monadnock blk
*Illinois Steel Co., 208 S La Salle
Industrial Steel & Brass Corp., 602 W Lake
*Jennet Bridge & Iron Works, 3541 Shields av
*Joliet Bridge & Iron Co., 122 S Michigan av
*Kenwood Bridge Co., 38 S Dearborn
Ketler-Elliott Erection Co., 155 N Clark
*McClintic-Marshall Construction Co., 1st National Bank bldg
McDonald J. & Co., 37 S Clinton
*Morava Construction Co., 85th & Stewart av
Pratt Henry Co., 2222 S Halsted
Scaar Frank & Co., 1042 W 11th
*Scherzer Rolling Lift Bridge Co. (Rolling Lift Bridges), 1616 Monadnock blk
Smith F. P. Wire & Iron Wks., 2340-48 Clybourn av
*See adv index at end of book*
*Strauss Bascule Bridge Co., 104 S Michigan av
*Strobel Steel Construction Co., Monadnock blk
Union Foundry Works, 38 S Dearborn
Vierling Steel Works, 313 W 23d
CHICAGO HEIGHTS—Steel Fabricating Co. (Sectional Bldgs)
DECATUR—*Decatur Bridge Co.
ELGIN—American Tower & Tank Co.
FREEPORT—*Shons W. H. (Highway Bridges
JACKSONVILLE—*Illinois Steel Bridge Co.
MURPHYSBORO—Egyptian Iron Works
PEORIA—Lucas A. & Sons, 1329 S Washington
PEOTONE—Continental Bridge Co.
PERU—Brunner Machy. Co.
QUINCY—*Michelmann Steel Construction Co.
ROCK ISLAND—*Rock Island Bridge & Iron Works

### INDIANA.

BUTLER—Butler Co. (Substructures)
COLUMBUS—*Caldwell & Drake Iron Works
ELKHART—*Elkhart Bridge & Iron Co.
EVANSVILLE—International Steel & Iron Co.
Mesker Geo. L. & Co.
FORT WAYNE—Engineering Co.
Fort Wayne Foundry & Machine Co
WESTERN GAS CONSTRUCTION CO.
HAMMOND—Hammond Machine & Forge Works
INDIANAPOLIS—*Central States Bridge Co., 601 Beecher
LAFAYETTE—*Lafayette Engineering Co.
Wallace Machine & Foundry Co. (Also Castings)
MARION—Western Drop Forge Co., P. O. Box 386
MUNCIE—*Indiana Bridge Co.
NEW CASTLE—*Pan-American Bridge Co.
ROCHESTER—*Rochester Bridge Co.
VINCENNES—*Vincennes Bridge Co.

### IOWA.

BURLINGTON—Murray Iron Works Co.
CEDAR RAPIDS—*Iowa Steel & Iron Works
CLINTON—*Clinton Bridge Works
DAVENPORT—Davenport Machine & Foundry Co.
DES MOINES—Des Moines Steel Co.
*Des Moines Structural Steel Works
*Federal Bridge Co.
*Iowa Bridge Co.
*PITTSBURGH-DES MOINES STEEL CO., 4th & Ross
*See adv index at end of book*
*Stark N. M. & Co.
DUBUQUE—Voggenthaler E. J. Co.
MUSCATINE—Niver Iron Works Co.
OSKALOOSA—*Seevers Mfg. Co.
OTTUMWA—*Ottumwa Box Car Loader Co. (Steel Structure of All Kinds)

### KANSAS.

GALENA—Galena Foundry & Machine Co.
LEAVENWORTH—*Leavenworth Bridge Co. (Bridges Only)
Missouri Valley Bridge & Iron Co. (Bridges Only)
TOPEKA—*Capital Iron Works Co.
*Topeka Bridge & Iron Co.
WICHITA—Christopher Geo. C. & Son
*Western Iron & Foundry Co.

### KENTUCKY.

LOUISVILLE—Grainger & Co.
*Louisville Bridge & Iron Co.
*Snead Architectural Iron Works

### LOUISIANA.

NEW ORLEANS—Bedell Structural Steel Works
Grimm H. F., Hennen Annes
Lukens Steel Co., S Peters

### MAINE.

PORTLAND—Megquier & Jones Co.

### MARYLAND.

BALTIMORE—Armstrong & Parker, Guilford av.
*Bartlett, Hayward Co., Scott & McHenry
*Chesapeake Iron Works, Westport
Dietrich Bros., cor Pleasant & Davis
McNamara Bros. Co., Westpoint
Patapsco Iron Works, Ostend & Wicomico

### MASSACHUSETTS.

BOSTON—*American Bridge Co., 120 Franklin
Babcock-Davis Corp., 474 Dorchester av
*Boston Bridge Works, 47 Winter
Eastman H. T. & Co., East Cambridge
Ham L. M. Co., 158 Portland
Harrington-Robinson & Co., 45 Bromfield
*New England Structural Co., 110 State
Phoenix Iron Co, 110 State
Simpson Eugene A., 88 Broad
Smith & Lovett Co., 135 Tyler
Tucker Edw. A. Co., 101 Milk
CHELSEA—Smith A. L. Iron Works
EVERETT—*New England Structural Co.
New England Tank & Tower Co. (Towers)
*See adv index at end of book*
HOLYOKE—Haarmann G. & Co., Inc.
LAWRENCE—Smith Samuel Machine Co., 620 Essex
SPRINGFIELD—Davitt Iron Foundry
Springfield Foundry Co.
*Walsh's Boiler & Iron Works
WORCESTER—Aykroyd Iron Works, Inc., 564 W Boylston
*Eastern Bridge & Structural Co., 88 Cushing
*See adv index at end of book*

EASTERN BRIDGE & STRUCTURAL CO.
STEEL STRUCTURES
ORNAMENTAL IRON
Cushing Street - Worcester, Mass.

### MICHIGAN.

CHARLOTTE—*Beach Mfg. Co.
DETROIT—*American Bridge Co.
Amos Chas. & Co., 640 Hart av
De Croupet Iron Works, 345 Monroe av
*Detroit Bridge & Iron Works, Rouge river
Lewis Henry B., Ferry av & G. T. Ry
National Iron Works, Berlin & Beaufort
Rohns Albert & Co., 193 Cass
Russel Wheel & Foundry Co, Chene Bl & RR
*Whitehead & Kales Iron Works, Beecher & M C RR
KALAMAZOO—Kalamazoo Foundry & Machine Co, 586 E Main
LANSING—Jarvis Engine & Machine Works
*Michigan Bridge & Pipe Co.
MARQUETTE—*Lake Shore Engine Works
SAGINAW—Jackson & Church Co.
Wickes Boiler Co.

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Hennepin Bridge Co., 968 Laurel
*Minneapolis Bridge Co., Metropolitan Life bldg
*Minneapolis Steel & Machinery Co., 2854 Minnehaha av
*Security Bridge Co., 36th & Hiawatha av
ST. PAUL—Herzog Iron Works
*ST. PAUL FOUNDRY CO., Como av & Mackubin
*See adv index at end of book*

### MISSOURI.

HANNIBAL—*Dildine Bridge & Iron Co.
KANSAS CITY—*American Bridge Co., Waldheim bldg
*Arkansas Bridge Co. (Bridges Only) N W cor 2d & Wyandotte
*Canton Bridge Co.
Goldberg J. & Son, 7500 Indep av
*Kansas City Bridge Co.
*Kansas City Structural Steel Co.
Kansas City Wire & Iron Works
Loewer John E. Wire & Iron Works Co., 914 Campbell
*Midland Bridge Co., Midland bldg
United Iron Works Inc.
ST. JOSEPH—Berry Iron & Steel Co.
ST. LOUIS—*American Bridge Co., Third Nat'l Bank bldg
*Banner Iron Works, Shaw av & Oak Hill Ry
Christopher & Simpson Iron Works Co., 9th & Park av
Kaysing Iron & Foundry Co. (For Buildings, Trusses & Girders), 2521 Montgomery
Lincoln Steel & Forge Co., 5701 Natural Bridge av
McClintic-Marshall Const. Co., (of Pittsburgh, Pa.), Third Nat'l Bank bldg
*Miller & Borcherding, Frisco bldg
*Missouri Bridge & Iron Co., Fullerton bldg
Spuck Iron & Foundry Co., 14th & Branch
STEWART JAS. & CO., INC. (Mills & Railroad Depots), Boatmen's Bank bldg
*Stupp Bros. Bridge & Iron Co., Frisco bldg
Victor Iron Works Co., c 7th & Victor
SPRINGFIELD—Schmook Harry B.

### NEBRASKA.

HASTINGS—Hastings Foundry & Iron Works
ELIZABETH—Arny Chas.
LINCOLN—Westover Steel & Iron Works
OMAHA—Mid-West Iron Works
*Omaha Steel Works
Paxton & Vierling Iron Works
*Standard Bridge Co.
*Western Bridge & Construction Co.

### NEW JERSEY.

ATHENIA—Cooke John K. & Son, Inc.
BAYONNE—Bergen Point Iron Works
ELIZABETH—Arny Chas.
HOBOKEN—Atkinson W. H. Co.
JERSEY CITY—*Fagan Iron Works, 14th
Hamill Alex. Iron Works, 426 Montgomery
NEWARK—CALUMET IRON WORKS, 3 Hyatt av.
*See adv index at end of book*
Goeller H. R., 406 Frelinghuysen av
*Hay Foundry & Iron Works, Plum Point la
*Interstate Bridge Forge & Mfg. Co., 207 Market, Newark, N. J.
Kinsey Wm. A., 192 Market
Payne Bros., Emmet & av D
NEW BRUNSWICK—New Brunswick Iron Works
PASSAIC—Passaic Artistic Iron Works (Jno. G. Schmidt, Prop.)
*Union Building & Construction Co.
PATERSON—*Bogert-Carlough Co.
*Passaic Structural Steel Co.
PHILLIPSBURG—*Tippett & Wood
PLAINFIELD—*Smith Arthur E., 220 Park av
TRENTON—Aitkin & Bebbington
*American Bridge Co.
WEST ELIZABETH—Hedden Iron Construction Co.

### NEW YORK.

ALBANY—Boland C. P. & Co., 86 State
Clausen N. C., Architectural Iron Co.
McKinney Jas. & Son
*United Construction Co.
BUFFALO—*American Bridge Co., Marine Nat. Bank bldg
*Buffalo Structural Steel Co.
Ernst's Chas. F. Sons
Farrar Iron & Steel Co.
Ferguson Steel & Iron Co., Bailey av & B'way
Jones Iron Works
Kellogg Structural Steel Co., 31 Stone
*Lackawanna Bridge Co.
Progressive Structural Steel Co.
United Steel Erection Co.
ELMIRA—*American Bridge Co.
GROTON—*Groton Bridge Co.
MONTOUR FALLS—Montour Steel Co.
Seneca Engineering Co.

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Child W. C. W., 355 Kingsland av
Eagle Iron Works, 850 DeKalb av
Kennington Iron Works, 414 3d av
Nassau Steel & Iron Wks., 525 58th
Whale Creek Iron Works, 245 Huron

#### Boroughs of Manhattan and Bronx.

NEW YORK*American Bridge Co. (For Bridges & Buildings), 30 Church
Belmont Iron Works, 32 B'way
*Berlin Construction Co., 220 B'way
*Communipaw Steel Co., 95 Liberty
Coombs R. D. & Co., 30 Church
Daniels Oscar Co., 233 B'way
Eidlitz & Ross, 110 W 40th
Empire Eng. Co., 6 Church
Fox Chas. H., 369 W 11th
*Hamilton & Chambers Co., 29 B'way
*Hay Foundry & Iron Works, 15 Madison sq N
*Hinkle Iron Co., 534 W 56th
Industrial Iron Co., 1 Madison av
*Jobson-Gifford Co., 30 E 42d
*Lackawanna Bridge Co., 2 Rector
*Levering & Garrigues Co. (Engineers & Contractors), 552 W 23d
McDougall & Potter Co., Inc., 606 W 55th
Mitchell-Tappen Co., 15 John
Norton Alfred E. Co., 105 W 40th. Works: Boonton, N. J.
Pierson & Co., 29 B'way
Pittsburgh Bridge & Iron Works, 2 Rector
Post & McCord Inc., 101 Park av
SCAIFE WM. B. & SONS CO., 26 Cortlandt *See adv index at end of book*
*Schwiers F. W. Jr. Co., 90 West
*Shoemaker Lewis F. & Co., 256 B'way
*Snare & Triest Co., Woolworth bldg
STEWART JAMES & CO. (INC.) (Mills & Railway Depots), 30 Church
Stolz Jos. & Son Inc., 841 E 136th
*Terry & Tench Co., Grand Central Terminal

#### Borough of Queens.

LONG ISLAND CITY—Just Geo. A. Co., 239 Vernon av
*National Bridge Works, Review av
MASPETH—Richey, Browne & Donald, Flushing av

#### Borough of Richmond.

(End of New York City)

OWEGO—*Owego Bridge Corp.
POUGHKEEPSIE—Mitchell Co., Inc.
ROCHESTER—*Heughes F. L. & Co.
SYRACUSE—*Archbold-Brady Co. (For Electric Railways)
*General Erecting Co., Maltbie & West Shore RR.
Owego Bridge Corporation
Smith & Caffrey Co.
*Syracuse Bridge Co.
*Williams Bridge Co.
TROY—Boland C. P. & Co., 30 4th
Mahony Mfg. Co.
West Side Structural Co.
UTICA—Utica Steam Engine & Boiler Works
WARSAW—Warsaw-Wilkinson Co.

### NORTH DAKOTA.

FARGO—*Fargo Bridge & Iron Co.

### OHIO.

AKRON—*Burger Iron Co.
BELLEFONTAINE—*Bellefontaine Bridge & Steel Co.
BROOKVILLE—*Brookville Bridge Co.
CANTON—*American Bridge Co.
*Canton Bridge Co.
CINCINNATI—*American Bridge Co., Union Trust bldg
*Brackett Bridge Co., First Nat. Bank bldg
Columbia Iron Works, 721 Reading rd
Fening-Stockman Iron Wks. Co., 113 Gest
Grimm Iron Works
Potthoff Construction Co., Front & Harriet

STEEL STRUCTURAL WORK—continued

OHIO—Cincinnati—continued
Rowekamp Bernard J., 2620 Colerain av
**Schreiber L. & Sons Co., 3869 Ivanhoe**
**Stacey Bros. Gas Construction Co., Sta. P.**
**Stacey Mfg. Co., Big 4 R. R. & Township av, Elmwood**
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Brooks T. H. & Co.
**Colonial Iron Wks. Co., 881-885 E 67th**
*Forest City Steel & Iron Co., 110th nr Detroit av
**HYDRAULIC STEELCRAFT CO.**
Kaltenbach & Griess, Chamber of Commerce bldg
*King Bridge Co.
*McMyler-Interstate Co.
**Republic Structural Iron Works Co., 1350 E 53d**
Stevens Iron Works & Fireproofing Co.
***Van Dorn Iron Works Co, 2700 E 79th**
Variety Iron & Steel Works Co., Hamilton av & E 40th
COLUMBUS—Capitol Construction Co., Ruggery bldg
Case Crane & Engineering Co. (Steel Buildings)
*Columbus Structural Steel Co.
Morris C. E. Co.
EAST LIVERPOOL—Patterson Foundry & Machine Co.
**HAMILTON—MEYERS FRED. J. MFG. CO.** *See adv index at end of book*
LEBANON—*Oregonia Bridge Co.
LEETONIA—Leetonia Boiler Co.
LIMA—East Iron & Machine Co., 351 E Market
LOWELLVILLE—Meehan Boiler & Cons. Co.
MANSFIELD—Hughes-Keenan Co.
MARTIN'S FERRY—*Riverside Bridge Co.
MASSILLON—*Massillon Bridge & Structural Co.
MOUNT VERNON—*Mount Vernon Bridge Co.
NEW BREMEN—*New Bremen Bridge Co.
NILES—Niles Forge & Mfg. Co.
*Youngstown Steel Car Co. (Light)
PORTSMOUTH—Hossman Henry
RAVENNA—Jones Bros. Structural Steel Co.
SPRINGFIELD—*Bayley Wm. Co.
TOLEDO—*Amer. Bridge Co.
Donovan Wire & Iron Co., Chicago & W. & L. E. Ry
Duncan Co., The, 508 Water
Milmine H. B. & Co.
***TOLEDO BRIDGE & CRANE CO.,** 2500 Dorr
*See adv index at end of book*
Toledo Wire & Iron Works
WARREN—Heltzel Steel Form & Iron Co.
WELLSVILLE—Carroll-Porter Boiler & Tank Co.
WEST ALEXANDRIA—Pence John
WILMINGTON—*Champion Bridge Co.
YOUNGSTOWN—*American Bridge Co.
Pollock Wm. B. Co.

## OKLAHOMA.

ARDMORE—Peerless Steel Co.
OKLAHOMA—Reinhart & Donovan Co.

## OREGON.

PORTLAND—*Cowlitz Bridge Co., Yeon bldg
Independent Foundry Co., 743 York
*Northwest Bridge & Iron Co.
*Pacific Bridge Co.
***Pacific Iron Works**
Poole-Dean Co., 268 N 13th
*Portland Bridge & Bldg. Co.
Portland Bridge & Iron Co., Lewis bldg

## PENNSYLVANIA.

ALBION—*Rogers Bros. Co.
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*McDermott Engineering Co.
AMBLER—Cruse-Kemper Co.
BEAVER FALLS—*Penn Bridge Co.
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Bethlehem Construction Co.
BLOOMSBURG—Harman & Hassert
BRIDGEPORT—Gehret Bros.
CANONSBURG—*Fort Pitt Bridge Works
CARBONDALE—Hendrick Mfg. Co.
COATESVILLE—Lukens Steel Co.
DANVILLE—Danville Iron & Steel Co.
DUBOIS—Osborn Machine Co.
HARRISBURG—*Ensign G. W. Inc.
*Whittaker & Diehl
HOBOKEN—Blaw-Knox Co., Freeport rd
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Rote A. B. & Co.
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Smith, Nimmo & Co.
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Biggin Charles P. Co., 1829 Harlan
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Creswell Samuel J. Iron Works, 23d & Cherry
Hoffman Engineering & Contracting Co., Penna. bldg
Kemper Construction Co., 905 Walnut
*Keystone Structural Co., Harrison bldg
Lindsay W. W. & Co., Harrison bldg
Nass & Hare Const. Co., 115 Tasker
Parvin & Co., Stephen Girard bldg
*Phoenix Bridge Co., 410 Walnut
Pittsburgh Bridge & Iron Works, Widener bldg
*Shoemaker Lewis F. & Co., 2 S 15th
Steel & Wike Co., 533 N 13th
Wark W. E. Co., 1737 Filbert
PHOENIXVILLE—*Phoenix Iron Co. (Steel Only)
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Andrews Engineering Co., Bessemer bldg
*Bollinger-Andrews Construction Co., Empire bldg
Booth J. B. Co., 216 E Robinson
Carroll-Porter Boiler & Tank Co., Empire bldg
*Eichleay Jno Jr, Co., 20th & Wharton
*Farris Bridge Co., Jenkin's Arcade
*Fort Pitt Bridge Works, House bldg
Fuller Steel & Iron Co., Park bldg
*See adv index at end of book*
Heyl & Patterson, 51 Water
*Independent Bridge Co., May bldg
Jones & Laughlin Steel Co., Ross
*Kratzer W. N. Co., 3212 Smallman
Lawrence Steel Construction Co., 3324 Smallman
*Lucius Engineering Co., Hartje bldg
*McClintic-Marshall Construction Co., Oliver bldg
Moore Edgar M. & Co., Farmers' Bank bldg
Mullen J. L. Construction Co., Wabash bldg
*Pittsburgh Bridge & Iron Works, Farmers' Bank bldg
**PITTSBURGH-DES MOINES STEEL CO.** (Trusses Roof, Iron & Steel), 4th & Ross
*See adv index at end of book*
Rieseck Iron Wks., 1201 Metropolitan
***SCAIFE WM. B. & SONS CO.,** First National Bk. bldg
*See adv index at end of book*
Schutz, Schreiner & Clyde Co., May bldg
PITTSTON—Exeter Machine Works
POTTSTOWN—*McClintic-Marshall Construction Co.
POTTSVILLE—*Eastern Steel Co.
RANKIN—*McClintic-Marshall Construction Co.
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ROYERSFORD—*Keystone Structural Co.
SCRANTON—*Anthracite Bridge Co.
SOUTH BETHLEHEM—Bethlehem Steel Bridge Co.
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## TENNESSEE.

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Eureka Supply Co.
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MEMPHIS—*Memphis Bridge Co.
***VIRGINIA BRIDGE & IRON CO.**
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***Nashville Bridge Co.**

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DALLAS—Austin Bros.
Mosher Mfg. Co.
EL PASO—El Paso Bridge & Iron Co.
HOUSTON—Hartwell Iron Works

## VIRGINIA.

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Richmond Structural Steel Co., 18th & Dock
ROANOKE—Roanoke Iron & Bridge Wks., Inc.
***VIRGINIA BRIDGE & IRON CO.**

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McEachern J. A. Co.
Puget Sound Boiler Works

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WHEELING—Moss J. E. Iron Works
Riverside Bridge Co.

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LA CROSSE—*La Crosse Bridge & Steel Co.
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Torrance Jno. & Son
MILWAUKEE—Bartz Jno. J., 249 15th
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Hackendahl & Schmidt Co., 16th & Canal
Hennecke C. Co., 1353 N Pierce
*Milwaukee Bridge Co., 1400 34th
Milwaukee Structural Steel Co., 19th & St. Paul av
*Northwestern Bridge & Iron Co., 32d & Hopkins
Pietsch Ferdinand, 617 Cedar
*Skobis Co., 951 30th
*Wisconsin Bridge & Iron Co.
*Worden-Allen Co., Pt. Washington rd
NORTH MILWAUKEE—*Lakeside Bridge & Steel Co.
*See adv index at end of book*
TOMAHAWK—Tomahawk Steel & Iron Works
WAUKESHA—*Federal Bridge & Structural Co.
WAUSAU—*Wausau Iron Works

## Steel (Swedish)

See Iron & Steel, Swedish

## 14269— Steel Tack Plate

**American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**
**Andrews Steel Co. (Basic Open Hearth), Newport, Ky.**
**La Belle Iron Works, Steubenville, O.**
**Lessig Geo. B. Co., Pottstown, Pa.**
**Norton Iron Works, Ashland, Ky.**
Parkersburg Iron & Steel Co. (Open Hearth), Parkersburg, W. Va.
Reeves Mfg. Co., Dover, Ohio
Republic Iron & Steel Co. (Niles Wks.), Niles, O.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.

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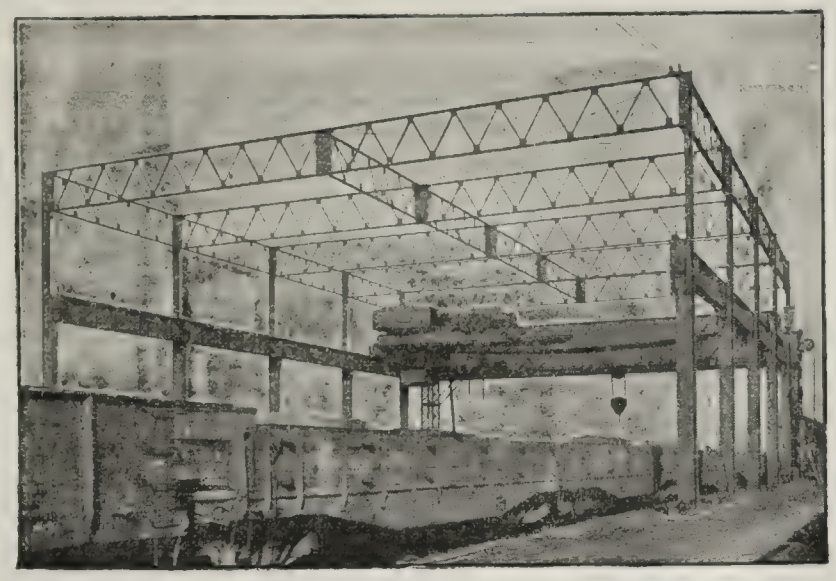

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See Iron & Steel Boiler & Tank Plate

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**WARDS EDGAR T. SONS CO.** ("Capital"), 44-54 Farnsworth, Boston, Mass. *See adv index at end of book*
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### 14270—Steel (Threading & Welding)

Carnegie Steel Co. (Special, Open-Hearth), Carnegie bldg, Pittsburgh, Pa.
Larkin J. K. & Co. (Threading), 34 Reade, New York *See adv index at end of book*

### Steel Tipples & Trestles

See Tipples, Mine

### 14271— Steel (Toe Calk)

Cambria Steel Co., Widener bldg, Phila., Pa.
Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Sweets Steel Co., Williamsport, Pa.

### 14272— Steel (Tool)

**See also Steel, Crucible; also Steel Bar Mills**

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Anglo-Saxon Supply Co., 290 Pearl, New York. *See adv index at end of book*
Atlas Crucible Steel Co. ("Reward" Oil Hardening, Nonshrinking), Dunkirk, N. Y.
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Boker H. & Co., Inc. (Cold Rolled) (Crucible Cast, "Novo Superior," "Intra," "Gibraltar"), 101 Duane, New York
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Cayuga Tool Steel Co., Ltd., Auburn, N. Y.
Century Steel Co. of Am., Poughkeepsie, N. Y.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Conn. Electric Steel Co., Inc. ("Phillipsite Conesco"), Hartford, Conn.
Electric Alloy Steel, Hartford, Conn.
Electro Steel Co., Inc., Curry bldg, Pittsburgh, Pa.
Fairley-Davidson Steel Co., Inc., 122 Maiden Lane, New York
**FISHEL & MARKS CO.** (Dealers), ft. of Krakow av, Cleveland, O.
Froment & Co., 150 Bank, New York
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**GENERAL TRADING & EXPORT CO., INC.,** Whitney Central bldg, New Orleans, La. *See adv index at end of book*
Gladium Co., 127 Duane, New York
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*See adv index at end of book*

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*See adv index at end of book*

Harrow Spring Co., First National Bank bldg, Milwaukee, Wis.

**HAWKRIDE BROS. & CO.** ("Hawk," "Hawk Special," "Hawk H.," "Hawk Header Die," "Hawk Vanadium," "Hawk Alloy Striking Die," "Hawk Silverware Striking Die," "Ketas," "Standard"), 303 Congress, Boston, Mass. *See adv index at end of book*

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McInnes Charles E. & Co., Mariners & Merchants bldg, Phila., Pa.

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National Sales & Trading Co. (All Grades), Cleveland, Ohio

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See Tanks & Towers, Steel

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**Hetzel Steel Form & Iron Co., Warren, O.**

## 14273—Steel U Bars & Shapes

**Braun J. G., 609 S Paulina, Chicago, Ill.**

**Calumet Steel Co. (U Harrow Bars), 208 S La Salle, Chicago, Ill.**

**Illinois Steel Co., 208 S La Salle, Chicago, Ill.**

Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill. Mills: East Chicago, Ind.

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

**Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.**

Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section*

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## 14274—Steel (Umbrella Rod)

**American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.**

## 14275— Steel (Vanadium)

**Aborn Steel Co., 22 Clarke, New York**

**Bourne-Fuller Co. ("Scotts" Crucible Vanadium), Hickox bldg, Cleveland, O.**

Electric Alloy Steel Co., Youngstown, O.

Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.

Central Steel Co. ("Agathan," Bars, Billets and Slabs), Massillon, Ohio

**Cyclops Steel Co., 120 B'way, New York**

Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*

Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.

Hammond Steel Co., Syracuse, N. Y.

Harrow Spring Co. (Chrome), Milwaukee, Wis.

Harvey Arthur C. Co., Harvey Steel rd, Allston rd, Boston, Mass.
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Sivyer Steel Casting Co., Milwaukee, Wis.
**UNITED ALLOY STEEL CORP.** (Billets, Blooms, Slabs, Bars, Ingots & Plates), Canton, O. *See adv index at end of book*
Vanadium Alloys Steel Co., Latrobe, Pa.

## 14276—Steel (Vanadium, Plates, Sheets, Etc.)

**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York
*See adv index at end of book*
Carbon Steel Co. (Plates, Automobile Steel, etc), ft. 32nd, Pittsburgh, Pa.
Carnegie Steel Co. (Open Hearth Bars, Plates, Sheets, Shapes, etc), Carnegie bldg, Pittsburgh, Pa.
**Colonial Steel Co. (Crucible & Open Hearth Bars, Plates, Sheets, Die Blocks, Tool Steels, Drill Rods, etc), 324 4th av, Pittsburgh, Pa.**
**Crowley John A. Co., 120 Liberty, New York**
**Crucible Steel Co. of America (Crucible, Open Hearth & Electric Furnace, Bars, Plates, Sheets, Die Blocks, Tool Steels, Drill Rods, etc), Oliver bldg, Pittsburgh, Pa.**
**Firth-Sterling Steel Co. (Crucible Bars & Tool Steel), McKeesport, Pa.**
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
**HALCOMB STEEL CO.** (Crucible & Electric Furnace, Bars, Sheets, Drill Rods, Tool Steel & Cold Drawn), Syracuse, N. Y. *See adv index at end of book*
Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*
Jessop Steel Company (Sheets & Saw Steel etc), 91 John, New York. Works: Washington, Pa.
**Kaufman E. & Co., Farmers Bank bldg, Pittsburgh, Pa.**
**McInnes Steel Co. (Ltd.) (Crucible Tool Steel)**, Corry, Pa.
**United Alloy Steel Corp. (Chrome Vanadium Bars & Plates)**, Canton, O.
*See adv index at end of book*
**Vulcan Crucible Steel Co. (Crucible & Open Hearth Bars, Tool Steels & Die Blocks), Aliquippa, Pa.**

## 14277—Steel (Vanadium Tool)

**Allen Edgar & Co., Ltd., 718 W Lake, Chicago, Ill.**
**Bethlehem Steel Co. (Crucible), South Bethlehem, Pa.**
**Carbon Steel Co (Open Hearth), ft. 32nd, Pittsburgh, Pa.**
Carpenter Steel Co. (Crucible), Reading, Pa.
**Colonial Steel Co. (Crucible & Open Hearth), 324 4th av, Pittsburgh, Pa.**
**Crowley John A. Co., 120 Liberty, New York**
**Crucible Steel Co. of America (Crucible & Open Hearth), Oliver bldg, Pittsburgh, Pa.**
**Fairley-Davidson Steel Co., 122 Maiden Lane, New York**
**Firth-Sterling Steel Co. (Crucible), McKeesport, Pa.**
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Halcomb Steel Co. (Crucible), Syracuse, N. Y. *See adv index at end of book*
Hammond Steel Co., Syracuse, N. Y.
**HAWKRIDGE BROS CO.**, 303 Congress, Boston, Mass. *See adv index at end of book*
**Heller Bros. Co. (Crucible), 879 Mt. Prospect av, Newark, N. J.**
**Jessop Wm. & Sons, Inc., 91 John, New York**
**Kaufman E. & Co., Farmers Bank bldg, Pittsburgh, Pa.**
**McInnes Steel Co. (Crucible), Corry, Pa.**
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
**Vanadium Alloys Steel Co. (Crucible), Latrobe, Pa.**
**Vulcan Crucible Steel Co. (Crucible & Acid Open Hearth), Aliquippa, Pa.**

## 14278—Steel (Well Bit & Jar)

Carbon Steel Co., ft. 32d, Pittsburgh, Pa.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Hammond Steel Co., Inc., Syracuse, N. Y.
Hawkridge Bros. Co., 303 Congress, Boston, Mass. *See adv index at end of book*

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American Steel Wool Mfg. Co. ("American" & "Ideal"), 451 Greenwich, New York
**Buehne Steel Wool Co., 93 Nassau, New York**
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
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Rhodes Jas. H. & Co. (Dealers), 2810 S Albany, Chicago, Ill.
Ridgely Trimmer Co., Springfield, O.
Thurston F. W. Co. (Imp.), 1832 S Clark, Chicago, Ill.
**Waddell R. J. & Co. ("National"), 52 Beekman, New York**

## Steel Works Construction

See Blast Furnace & Steel Works Construction

## 14280—Steels (Butchers', Etc.)

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**Chatillon Jno. & Sons, 85 Cliff, New York**
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Stortz John & Son, 210 Vine, Phila., Pa.
White Ira F. & Son Co., Bloomfield, N. J.

## Steerers (Steam)

See Engines, Steering

## 14281— Steins (Beer)

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American Stamp Mfg. Co., 85 John, New York
**Arnold's J. H. Sons, 47 Fulton, New York**
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Bourne Jno R., Rochester, N. Y.
Buchlein's Henry Sons, 27 Green, Newark, N. J.
Bunting Stamp Co., 713 Liberty av, Pittsburgh, Pa.
**Carragan & Tilson (Steel), 88 Chambers, New York**
**Cleveland Steel Stamp Works (Steel)**, Commercial bldg, Cleveland, O.
Consolidated Stamp Mfg. Co. (Jobbers), 87 Maiden la, New York
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**Everson & Reed Co., 88 Chambers, New York**
**Fries A. J. (Steel)**, 717 Sycamore, Cincinnati, O.
Gibson A. C. Co., Buffalo, N. Y.
Gordon H. W., Est. of, Lynn, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hanson C. H. Co., 178 N Clark, Chicago, Ill.
Hill Independent Mfg. Co., Emerald & Adams, Phila., Pa.
Hoggson & Pettis Mfg. Co. (Steel), New Haven, Conn.
Johnson D. E. Co., 140 William, New York
Johnston Thos. H,. Harrisburg, Pa.
Kasper Stamp & Seal Co., 1103 Locust, St. Louis, Mo.
Kautz Fred C. & Co., 2633 W Lake, Chicago, Ill.
**Kersting J. H., 75 Fulton, New York**
Koch Gustav & Co., 120 S Clark, Chicago, Ill.
Koehler Henry L. Mfg. Co., Louisville, Ky.
Leonhardt Louis (Ltd.), 111 Warren, New York
Love Joseph V. & Co., Galveston, Tex.
**McNamara M. Stamp & Stencil Wks., 85 Nassau, New York**
Martin & Co. (Steel), 119 S Clark, Chicago, Ill.
Matthews Jas. H. & Co. (Copper, Brass & Zinc), 3942 Forbes, Pittsburgh, Pa.
Mayer Geo. J. & Co., 36 S Meridian, Indianapolis, Ind.
Meyer & Wenthe, 108 N Dearborn, Chicago, Ill.
**Moise-Klinkner Co., 369 Market, San Francisco, Cal.**
Monce S. G. (Steel), Unionville, Conn.
Mulinari P., 118 Light, Baltimore, Md.
**Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.**
Ness Geo. M. Jr., 61 Fulton, New York
N. Y. Stencil Works, 100 Nassau, New York
Noble & Westerbrook Mfg. Co., Hartford, Conn.
Northwestern Stamp Works, 110 E 3rd, St. Paul, Minn.
Oram Jas. C. & Co., 100 W South Water, Chicago, Ill.
Pittsburgh Steel Stamp Co., 316 Penn av, Pittsburgh, Pa.
**Power J. H. & Co., 80 High, Boston, Mass.**
Quaker City Stencil & Stamp Wks., 234 Arch, Phila., Pa.
Reese S. W. & Co. ("Eureka" Adjustable), 44 Vesey, New York
Reynolds Stamp & Stencil Works, 103 Westminster, Providence, R. I.
Robbins John Mfg. Co. (Steel), 58 Kneeland, Boston, Mass.
**Sackmann F. A. (Steel), 810 Prospect, S E, Cleveland, O.**
Salt Lake Stamp Co., Salt Lake City, Utah
Schneider Louis, 249 Market, Newark, N. J.
Schweizer C. K., 520 N 3rd, St. Louis, Mo.
**Schwerdtle Stamp Co. (Steel), 43 Cannon, Bridgeport, Conn.**
Smith R. H. Mfg. Co., Springfield, Mass.
Southern Stamp Co., Little Rock, Ark.
Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.
Spokane Stamp Works, Spokane, Wash.
Stafford Nelson Co. (Steel), 67 Fulton, New York
Stencil Treasury (Steel), 209 E 59th, New York
**Sternberg Albert E., 214 Arch, Phila., Pa.**
Stewart R. A. & Co., 201 B'way, New York
**SWISHER R. D. MFG. CO.** (Brass), 415 S Clinton, Chicago, Ill.
*See adv index at end of book*
Tidewater Stencil Works, Norfolk, Va.
Time & Emery Co., 9 S Clinton, Chicago, Ill.
Timme E. A. & Son, Worcester, Mass.
Troy Rubber Stamp Works, Troy, N. Y.
Turner S. B. & Son, Norfolk, Va.
Utermohle G. A. & Co., 133 Cheapside, Baltimore, Md.
**Wardsworth Engraving Co., Springfield, O.**
Western Stamp & Stencil Co., Omaha, Neb.
Williams Chas F. Stamp Co. (Steel), 38 Chardon, Boston, Mass.
**Wright Greg. G. & Son, 119 Opera pl, Cincinnati, O.**

## 14283— Steps (Automobile)

**Columbus Bolt Works Co., Columbus, O.**
English & Mersick Co., New Haven, Conn.
Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.

## 14284— Steps (Pole)

**AMERICAN STEEL & WIRE CO.** ("American"), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
**Bethlehem Steel Co., So Bethlehem, Pa.**
**Capital Electric Co., Salt Lake City, Utah**
**Carolina Cross Arm Co., Elkin, N. C.**
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Cutter Geo. Co. (Removable), South Bend, Ind.
Electric Railway Equipment Co., Cincinnati, O.
Fletcher Mfg. Co., Dayton, O.
**Galvanized Products Co., Phillipsburg, N. J.**
Grabler Mfg. Co., Cleveland, O.
**Gravely B. F. & R. P., Martinsville, Va.**
Hallett Iron Works ("Hallett" Double Pointed & **Detachable Butt, etc.**), Harvey, Ill.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
**Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.**
**Joslyn Mfg. & Supply Co., Chamber of Com. bldg, Chicago, Ill.**
Kansas City Bolt & Nut Co., Kansas City, Mo.
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**
M. E. Bolt & Steel Co., Everett, Mass.
Michigan Bolt & Nut Works, ft. of Meldrum, Detroit, Mich.
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
**Morris Elmer P., 136 Liberty, New York**
New Castle Steel & Iron Co., Pittsburgh, Pa.
**Oliver Iron & Steel Co., S 10th & Muriel, Pittsburgh, Pa.**
Republic Iron & Steel Co., Youngstown, O. *See Branch Offices Alphabetical Section*
St. Louis Malleable Casting Co., 7701 N Conduit av, St. Louis, Mo.
Strieby & Foote Co., 301 Ogden, Newark, N. J.

## 14285— Steps (Sewer)

Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.

## 14286— Steps (Sill)

Kansas City Bolt & Nut Co., Kansas City, Mo.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.

## 14287— Stereometers

Bausch & Lomb Optical Co., Rochester, N. Y.

## 14288— Stereopticons

**Amusement Supply Co., 5 S Wabash av, Chicago, Ill.**
**Beseler Chas. Co., 131 E 23rd, New York**
**Breck Photoplay Supply Co., San Francisco, Cal.**
**Enterprise Optical Mfg. Co., 564 W Randolph, Chicago, Ill.**
**Fox Arthur W., 83 Schermerhorn, Brooklyn, N. Y.**
McAllister T. H.-Keller Co., 176 Fulton, New York
**McIntosh Stereopticon Co., 30 E Randolph, Chicago, Ill.**
Newton C., 305 W 5th, New York
**Thompson Albert T. & Co., 15 Tremont pl., Boston, Mass.**
**Underwood & Underwood, 417 5th av, New York**
**Universal Electric Stage Lighting Co. ("Kliegl Bros."), 240 W 50th, New York**
**Victor Animatorgraph Co., Davenport, Ia.**
**Williams Brown & Earle, 918 Chestnut, Phila., Pa.**

## 14289— Stereoscopes

**Underwood & Underwood, 417 5th av, New York**
White H. C. Co., North Bennington, Vt.

## Sterilizers (Dairy)

See Pasteurizers, Milk, etc

## 14290— Sterilizers (Electric)

Automatic Elect. Sterilizer Co. (Barbers', Surgical, etc), Hamilton, O.
**Barnstead Still & Sterilizer Co. (For Hospitals, Surgeons, Dentists, etc), Forest Hills, Boston, 30, Mass.** *See adv index at end of book*
Castle Wilmot Co., Rochester, N. Y.
**Prometheus Electric Co., 511 W 42d, New York**
R. U. V. Co., 150 B'way, New York

## Sterilizers (Milk)

See Pasteurizers, Milk, etc.

## 14291—Sterilizers (Milk Bottle)

**BARNSTEAD MFG. CO.** (Nursing, "Improved Barnstead" for Home Use), 62 Washington, No Boston, Mass. *See adv index at end of book*
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Biggs Boiler Works Co., Case av & Williams, Akron, Ohio *See adv index at end of book*

## 14292— Sterilizers (Water)

American Sterilizer Co. (For Hospitals, etc), Erie, Pa.
**BARNSTEAD MFG. CO.** ("Improved Barnstead" Electric, Gas & Steam for Hospitals), 62 Washington, N Boston, Mass. *See adv index at end of book*
Barnstead Still & Sterilizer Co. (Electric Steam & Gas, for Hospitals), 2 Lanesville Terrace, Forest Hills, Boston, 30, Mass. *See adv index at end of book* *See adv index at end of book*
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Castle Wilmot Co., Rochester, N. Y.
Electric Water Sterilizer & Ozone Co. (Electric), Scottdale, Pa.
**Forbes Co., 1234 Callowhill, Phila., Pa.**
Hill Pump Valve Co. ("Oxone"), 4001-21 Belmont av, Chicago, Ill.
Hospital Supply Co., 153 E 23rd, New York
Jewell Polar Co., 24 S Clinton, Chicago, Ill.
Lomis Manning Filter Mfg. Co., 37th & Reed, Phila., Pa.
Neel-Armstrong Co., Akron, O.
Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
Sprague Elec. Wks. of G. E. Co., 527 W 34th, New York
Wallace & Tiernan Co., Inc., 349 B'way, New York

## 14293— Sterilizing Apparatus

American Sterilizer Co. (For Hospitals, etc). Erie, Pa.
**BARNSTEAD MFG. CO.** ("Improved Barnstead" Electric, Gas & Steam for Hospitals for Water Instruments, Utensils, Dressings & Bedding), 62 Washington, No. Boston, Mass. *See adv index at end of book*
Barnstead Still & Sterilizer Co. (Electric, Steam & Gas, for Hospitals, for Water, Instruments, Utensils, Dressings and Bedding), Forest Hills, Boston, 30, Mass. *See adv index at end of book*
Bausch & Lomb Optical Co., Rochester, N. Y.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Biggs Boiler Works Co., Case av & Williams, Akron, O. *See adv index at end of book*
Bramhall, Deane Co. (For Hospitals, etc), 261 W 36th, New York
Castle, Wilmot Co. ("Autoclave"), Rochester, N. Y.
Climax Machinery Co. (For Milk), Indianapolis, Ind.
Devine J. P. Co., Buffalo, N. Y.
Erie City Mfg. Co. ("Superior," Cabinet), Erie, Pa.
Hospital Supply Co. (For Hospitals), 153 E 23rd, New York
Jewell Water Improvement Co. (Chlorine), 9 S Clinton, Chicago, Ill.
Koven L. O. & Bro. (All Kinds), 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Ladd John W. Co. (For Milk), 572 W Lafayette, Detroit, Mich.
Northwestern Steel & Iron Works (Milk Bottle), Eau Claire, Wis.
Ray Geo. A. Mfg. Co. (Sterilizers & Steamers. All Copper, Nickel Plated, etc), for Barbers Only), Buffalo, N. Y.
Raymond Mfg. Co. (For Laundries), Sangatuck, Conn.
Ruv Co., Inc., 165 B'way, New York
Silver & Co. (Milk), 304 Hewes, Brooklyn, N. Y.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Sterilizer Mfg. Co. ("Darnall"), Syracuse, N. Y.
Toledo Cooker Co. (Milk), Toledo, O.
Twentieth Century Machinery Co., Nat'l Bank Bldg, Milwaukee, Wis.
Whitall, Tatum Co. (For Milk), 410 Race, Phila., Pa.

## 14294— Sticking Tommies

Laughlin Thos. Co., Portland, Me.
Marine Hardware Equipment Co., S Portland, Me. *See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 14295— Sticks (Candy)

**BOGERT & HOPPER, INC.** (Wood Sucker, Taffy, etc), 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

ESTABLISHED 1847
**E. B. ESTES & SONS**
**Manufacturers of CANDY STICKS**
Meat Skewers, Flag Sticks, Floral Sticks and Small Splint and Rod Work Generally.
**864 5th Ave., New York City**

Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 14296— Sticks (Clapper)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 14297— Sticks (Clothes)

Stevenson Mfg. Co., So. Bend, Ind. *See adv index at end of book*

## 14298 — Sticks (Cutter)

Carrom Co., Ludington, Mich.
Menasha Mfg. Co. (For Paper Mills), Menasha, Wis.

## 14299— Sticks (Drum)

Bernheimer & Blumenthal Co., Inc., 138 W 14th, New York
Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 14300—Sticks (Hockey & Polo)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Lebzelter P. & Son Co., Lancaster, Pa.
Piper B. H. Co., Manchester, N. H.
Shepard H G. & Sons, New Haven, Conn.
Smith G. W. & Son, Canterbury, Conn.
Torrey Bros. Co., Central Village, Conn.

## 14301-2— Sticks (Plant)

Beverstock O. D. Co., Keene, N. H.
Chase Benj. Co., Derry, N. H.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 14303—Sticks (Printers' Composing)

Chandler & Price Co. ("Buckeye," "Yankee," Common Screw, Perfect News, etc), 6000 Carnegie av, Cleveland, O.
**EAGLE ENGINEERING CO.** ("Star"), Springfield, O.

## 14304—Sticks (Shoemakers' Size)

**Lufkin Rule Co., Saginaw, Mich.**

## 14305— Sticks (Stretcher)

Bogert & Hopper, Inc. (Glove), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons (Chair & Glove), 364 5th av, New York** *See adv index at end of book*
**Strock L. W. & Co. (For Mines), Bethlehem, Pa.**

### 14306—Sticks (Track Switch)

Strieby & Foote Co., 301 Ogden, Newark, N. J.

### 14307—*Sticks (Turned Wood)

**ESTES E. B. & SONS** (Candy, Taffy, Manicure, Floral, Drum, Clapper, Flag, Gambrel, etc), 364 5th av, New York
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 14308— Sticks (Umbrella)

Gigrich A. A. & Co., Amityville, N. Y.

### 14309— Sticks (Welding)

Chicago Hardware Foundry Co. (Aluminum, Brass & Iron), North Chicago, Ill.
Ideal Bronze Co., 1265 E 55th, Cleveland, Ohio
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

### 14310— Stiffeners (Heel)

Fate-Root-Heath Co. ("Universal," "Lion," "R.-H." Steel), Plymouth, O.
Stowell Co. The ("Lyon," Adjustable), S Milwaukee, Wis.

### 14310a— Stills (Acetone)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Lummus, Walter E. Co., 171 Milk, Boston, Mass.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 14311— Stills (Acid)

American Welding Co., Carbondale, Pa.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Baeuerle & Morris, 932 N Front, Phila., Pa.
Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Elyria Enameled Products Co., Elyria, O.
Lummus, Walter E. Co. (Acetic), 171 Milk, Boston, Mass.
Joubert & Goslin Mach. & Fdry. Co (Fatty), Birmingham, Ala.
Stuart & Peterson Co., Burlington, N. J.

### 14312—Stills (Alcohol, Rum, Etc.)

American Copper & Brass Works, Cincinnati, O.
American Welding Co., Carbondale, Pa.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Baeuerle & Morris, 932 N Front, Phila., Pa.
Braun-Knecht-Heimann Co. (Alcohol), 576-584 Mission, San Francisco, Cal.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Devine J. P. Co., Buffalo, N. Y.
Lummus Walter E. Co. (Specialty Wood Alcohol), 171 Milk, Boston, Mass.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Struthers-Wells Co. (Wood Alcohol), Warren, Pa.
Stuart & Peterson Co., Burlington, N. J.

### 14312a— Stills (Ammonia)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Bartlett-Howard Co., Scott & McHenry, Baltimore, Md.
Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Lummus, Walter E. Co., 171 Milk, Boston, Mass.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
**WESTERN GAS CONSTRUCTION CO.,** Fort Wayne, Ind.

### 14312b— *Stills (Aniline)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

### 14312c—Stills (Benzol Refining)

Bartlett, Hayward & Co., Scott & McHenry, Baltimore, Md.
Lummus, Walter E. Co., 171 Milk, Boston, Mass.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 14312d— Stills (Cast Iron)

Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Clow James B. & Sons, Franklin & Harrison, Chicago, Ill.
Duriron Castings Co., Dayton, O.
Elyria Enameled Products Co. (Enameled), Elyria, O.
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Stevens Bros., 85 Liberty, New York
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Warren Foundry & Machine Co., Phillipsburg, N. J.

### 14313—*Stills (Cheese Box for Oil)

**HAMMOND IRON WORKS,** Warren, Pa.
*See adv index at end of book*

### 14314— Stills (Copper)

American Copper & Brass Works, Cincinnati, O.
**ATLAS COPPER & BRASS MFG. CO.,** 2734 High, Chicago, Ill.
*See adv index at end of book*
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Baeuerle & Morris, 932 N Front, Phila., Pa.
Blymyer Iron Works Co. (For Sugar Cane, etc), Cincinnati, O.
Burkhard Thomas, 494 Flushing av, Brooklyn, N. Y.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Deuel Chas. C. Co., 75 Jones, Detroit, Mich.
Devine J. P. Co., Buffalo, N. Y.
Flynn Wm. S., 76 Hudson, Jersey City, N. J.
**FURMAN-FISHER CORP.,** 32 Church, New York *See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Harris Arthur & Co., 212 N Curtis, Chicago, Ill. *See adv index at end of book*
Hoffman-Ahlers Co., 828 E Pearl, Cincinnati, O.
Keller George, 1051 Wycoff av, B'klyn, N. Y.
Laubeheimer Geo. E. Co., 17 N La Salle, Chicago, Ill.
Lummus Walter E. Co. (Jacketed, Coil & Fire Heated), 173 Milk, Boston, Mass.
McMillan Metal Co. (Turpentine), Savannah, Ga.
Philadelphia Coppersmithing Co. (Multiple, Effects), 222 N Front, Phila., Pa.
Roos' August Son, 429 E 91st, New York
Rust Engineering Co., Farmers Bk. bldg, Pittsburgh, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Gratiot, St. Louis, Mo.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Trageser John Steam Copper Works, 457 W 26th, New York
Vulcan Copper Works Co., 120 Sycamore, Cincinnati, O.
Young Bros. Co., 666 Mack, Detroit, Mich.
Zobler Otto Mfg. Co., 336 N Oakley blvd, Chicago, Ill.

### 14315— Stills (Crude Oil)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
Columbiana Boiler Co, Columbiana, O.
Standard Boiler & Plate Iron Co., Niles, Ohio
United Iron Works, Inc., Kansas City, Mo.

### 14315a— Stills (Dreg)

Burkhard Thomas, Inc., 494 Flushing av, Brooklyn, N. Y.
Oat Joseph & Sons, 232 Quarry, Phila., Pa.

### 14315b—*Stills (Formaldehyde)

Lummus Walter E. Co. (Sole Makers in U. S.), 171 Milk, Boston, Mass.

### 14315c— Stills (Fractionating)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Burkhard Thomas, Inc., 494 Flushing av, Brooklyn, N. Y.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Oat Joseph & Sons, 232 Quarry, Phila., Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Thermal Syndicate, Ltd., 80 E 41st, New York

### 14316—Stills (Gasoline & Benzine)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
Braun-Knecht-Heimann Co. (Gasoline), 576-584 Mission, San Francisco, Cal.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Devine J. P. Co., Buffalo, N. Y.
Lummus, Walter E. Co., 171 Milk, Boston, Mass.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Struthers-Wells Co., Warren, Pa.

### 14316a— Stills (Glycerine)

Garigue William & Co., W 45th & Western av bl., Chicago, Ill.
Houchin-Aiken Co., 113 53rd, B'klyn, N. Y.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

### 14317—Stills (Household & Laboratory Water)

**BARNSTEAD MFG. CO.** ("Improved Barnstead" Home Still), 62 Washington, No. Boston, Mass.
*See adv index at end of book*
Castle, Wilmot Co., Rochester, N. Y.
Devine J. P. Co., Buffalo, N. Y.
Philadelphia Coppersmithing Co., 222 N Front, Phila., Pa.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.

### 14317a—Stills (Lead & Tin Lined)

American Lead Burning Corp., 30 Church, New York
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Roos Chas. A., 429 E 91st, New York

### 14318—Stills (Multiple Effects)

Devine J. P. Co., Buffalo, N. Y.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.

### 14318a—*Stills (Nitric Acid)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

### 14319—Stills (Oil, Tar, Etc.)

See also Sugar Machinery

**AMERICAN SPIRAL PIPE WORKS,** Chicago, Ill. *See adv index at end of book*
American Welding Co., Carbondale, Pa.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
Braun-Knecht-Heimann Co. (Oil), 576-584 Mission, San Francisco, Cal.
Carroll-Porter Boiler & Tank Co., Empire bldg, Pittsburgh, Pa.
Columbiana Boiler Co., Columbiana, O.
Devine J. P. Co., Buffalo, N. Y.

STILLS (OIL, TAR, ETC.)—continued

**DOVER BOILER WORKS,** Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Eimer & Amend, 205 3d av, New York
Gas Machinery Co. (Tar & Ammonia), 1900 Euclid av, Cleveland, O.
Graver Corp. (For Oil Refineries), East Chicago, Ind.
*See adv index at end of book*
**Hammond Iron Works, Warren, Pa.**
*See adv index at end of book*
**Isbel-Porter Co. (Ammonia), 46 Bridge, Newark, N. J.**
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.** *See adv index at end of book*
**Lacy Mfg. Co., Los Angeles, Cal.**
**Leslie, Elliott & Co., Paterson, N. J.**
**Logan Iron Works, 54 Commercial, Brooklyn, N. Y.**
**McCabe Boiler Works, 195 Commerce, Newark, N. J.**
**O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.**
**Petroleum Iron Works Co., Sharon, Pa.**
Phoenix Iron Works Co., Meadville, Pa.
Reeves Bros. Co., The, Alliance, O.
*See adv index at end of book*
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
**Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Gratiot, St. Louis, Mo.**
**Smith Samuel & Son Co., Paterson, N. J.**
Standard Boiler & Plate Iron Co., Niles, Ohio
**Struthers-Wells Co., Warren, Pa.**
**Teachout H. E. Boiler Works, E 37th & Erie R. R., Cleveland, O.**
Treadwell Construction Co., Midland, Pa.
**Treadwell, M. H. Co. of Ill., 208 La Salle, Chicago, Ill.**
**Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.**
**Walsh & Weidner Boiler Co., Chattanooga, Tenn.**
**WESTERN GAS CONSTRUCTION CO.,** Fort Wayne, Ind.

## 14320—Stills (Pharmaceutical)

**BARNSTEAD MFG. CO.** ("Improved Barnstead"), 62 Washington, N Boston, Mass *See adv index at end of book*
**Burkhard Thomas, 494 Flushing av, Brooklyn, N. Y.**
Colton Arthur Co., 782 E Jefferson, Detroit, Mich.
**Elmer & Amend, 205 3d av, New York**
Lummus Walter E. Co. (Ether), 171 Milk, Boston, Mass.
**Standard Water Systems Co. ("Tripure"), Hampton, N. J.**
**Stokes E. J. Machine Co., 17th & Cambria, Phila., Pa.**
**Thermal Syndicate, Ltd. (Fused Silicia), 59 E 41st, New York**

## 14320a— *Stills (Phenol)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Lummus Walter E. Co., 171 Milk, Boston, Mass.

## 14321—Still (Soap Makers')

Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
Houchin, Aiken Co., 113 53d, Brooklyn, N. Y.

## 14322— Still (Steam)

**BARNSTEAD MFG. CO.** ("Improved Barnstead"), 62 Washington, N Boston, Mass. *See adv index at end of book*
Barnstead Still & Sterilizer Co., Forest Hill, Boston, 30, Mass.
*See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Petroleum Iron Works Co., Sharon, Pa.
Phoenix Iron Works Co., Meadville, Pa.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Struthers-Wells Co., Warren, Pa.
United Iron Works, Inc., Kansas City, Mo.
Warren City Tank & Boiler Co., Warren, Ohio

## 14322a—*Stills (Sulphuric Acid)

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 14322b—Stills (Toluol Refining)

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Scott Ernest & Co. ("Scott"), Fall River, Mass.

## 14323— Stills (Turpentine)

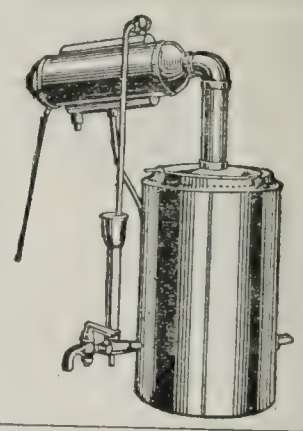
Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
McMillan Metal Co., Savannah, Gas.
Struthers-Wells Co., Warren, Pa.

## 14323a— Stills (Vacuum)

Elyria Enameled Products Co. (Glass Enameled), Elyria, O.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Lummus Walter E. Co., 171 Milk, Boston, Mass.
Stevens Bros., 149 B'way, New York

## 14324— Stills (Water)

American Copper & Brass Works, Cincinnati, O.
American Sterilizer Co., Erie, Pa.
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
**BARNSTEAD MFG. CO.** ("Improved Barnstead"), 62 Washington, N Boston, Mass. *See adv index at end of book*
Barnstead Still & Sterilizer Co., Forest Hills, Boston, 30, Mass.
*See adv index at end of book*

**BARNSTEAD STILLS**

Make Chemically Pure Water, with One Distillation.

***Operated by Steam, Gas or Electricity***

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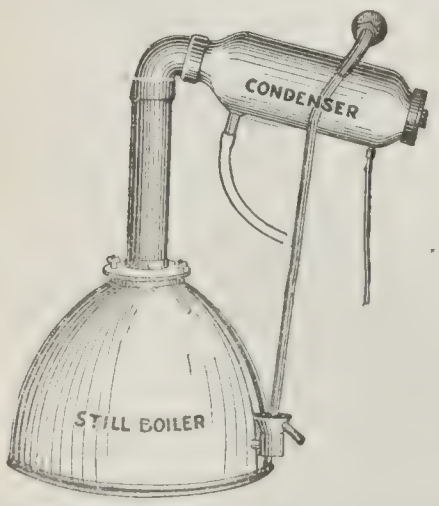
**Forest Hills**
**Boston, 30 Mass.**


Bausch & Lomb Optical Co., Rochester, N. Y.
Braun-Knecht-Heimann Co., 575-584 Mission, San Francisco, Cal.
Daigger A. & Co., 54 W Kinzie, Chicago, Ill.
Devine J. P. & Co., Buffalo, N. Y.
Eimer & Amend, 205 3d av, New York
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
General Scientific Equip. Co., Inc., North Phila., Pa.
Gray Peter & Sons, Inc. (Laboratory), 286 Third, East Cambridge, Mass.
Hodges Water Still Co., Pennsylvania bldg, Phila., Pa.
Jewell Polar Co., 24 S Clinton, Chicago, Ill.
Jewell Water Improvement Co., 9 S Clinton, Chicago, Ill.
Koven L. O. & Bro. (Also Turpentine), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lalor W. M., Manhattan bldg, Chicago, Ill.
Row & Davis, Engineers Inc., 90 West, New York *See adv index at end of book*
Seibel-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
Sparta Mfg. Co., South Bend, Ind.
Standard Water Systems Co. ("Tripure," Steam or Gas Operated), Hampton, N. J.
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.
Sugar Apparatus Mfg. Co., Wilmington, Del.
Thermal Syndicate, Ltd. (Fused Silica for Laboratories), 59 E 41st, New York
Trageser John Steam Copper Works, ("Ralston"), 447 W 26th, New York
Wagner Walter Still Co., 628 W Lake, Chicago, Ill.
Young Bros. Co., 666 Mack, Detroit, Mich.
Young E. R. & Sons, Titusville, Pa.

## 14325—Stills (Wine Testing)

Case W. A. & Sons Mfg. Co, Buffalo, N. Y.


**STILLS AND STERILIZERS**

**IMPROVED BARNSTEAD PRODUCTS**

**For Home—For Hospital—For Laboratory**

**BARNSTEAD MANUFACTURING COMPANY**
**62 Washington Street North**
**BOSTON - - - - - MASS.**

## 14326— Stirrers (Chemical)

Duriron Castings Co. ("Duriron" Acid Proof), Dayton, Ohio
Johnson John Co., 203 37th, B'klyn, N. Y.

## 14327-8—Stirrups or Hangers

Dietrich Bros., cor Pleasant & Davis, Baltimore, Md.
Frelinger J. G. Iron Works, 115 W 2nd, Cincinnati, O.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Lane Bros. Co., Poughkeepsie, N. Y.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Londelius C. A. & Sons Co. (Stove Bolt Stirrups), 847 W 63d, Chicago, Ill.
Maryland Bolt Co., Continental bldg, Baltimore, Md.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Moran Bolt & Nut Mfg. Co., 1st & Florida, St. Louis, Mo.
Mulvey Chas. Mfg. Co., 1840 Carroll av, Chicago, Ill.
O'Leary Arthur J. & Son Co., 65th & S 57th av, Chicago, Ill.
Pawtucket Mfg. Co. (Stirrups Only), Pawtucket, R. I.
Peters Jas. & Son (Wrought Iron, Stirrups), 1924 N Front, Phila., Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction RR, Pittsburgh, Pa.
Racky Albert C., 531 S 5th av, Chicago, Ill.
Republic Structural Iron Works Co., 350 E 53rd, Cleveland, O.
Roanoke Iron & Bridge Works, Inc., Roanoke, Va.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York
Variety Mfg. Co. ("Mulvey" Stirrups), 2958 Carroll av, Chicago, Ill.
Wendt Albert H. (Truss Stirrups), 456 E 2d, Cincinnati, O.

## 14329—Stirrups (Saddle, Iron)

Buermann Aug. Mfg. Co., 220 Jeliff av, Newark, N. J.
Elbel Co., Canton, O.

## 14330-1—Stirrups (Wooden)

Fort Recovery Stirrup Co., Ft. Recovery, O.
Whirrett Bros., Delphos, O.

## Stock Fountains

See Fountains, Stock

## 14332— Stock Marks

Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.

## 14333—Stock Shells (Steel Calender)

Gammeter W. F. ("Universal" for Rubber Mfrs.), Cadiz, O.

## Stock (Spool)

See Spools

## Stockings (Elastic)

See Hosiery, Surgical, Elastic

## 14333a— *Stocks (Gun)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 14334— Stocks (Horse)

Wabash Foundry Co., Wabash, Ind.

## 14335— Stocks & Dies

See also Screw Plates

American Tap & Die Co. ("Adamantine," "Acme" & "Eagle" Blacksmiths' & Pipe), Greenfield, Mass.
**ARMSTRONG MFG. CO.** ("Genuine Armstrong" Pipe & Bolt Threading, etc), 278 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Ashcroft Mfg. Co. (Pipe), 119 W 40th, New York
Augmore Mfg. Co. ("Augmore"), 5407 Sweeney av, Cleveland, O.
Bay State Tap & Die Co. (Solid Screw Plate Stocks, etc), Mansfield, Mass.
Borden Co., The ("Beaver" Adjustable Die Stocks), Warren, O.
Brubaker W. L. & Bros. ("Armstrong" Pattern Adjustable), Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter, J. M. Tap & Die Co. ("True Blue" & "Little Wonder"), Pawtucket, R. I.
Champion Blower & Forge Co., Lancaster, Pa.
**Conant & Donelson Co. ("Reliable"), Conway, Mass.**
Crane Co. (Solid, Adjustable & Screwing), Bridgeport, Conn.
Crown Die & Tool Co. ("Crown" Solid Dies), 553 W Monroe, Chicago, Ill.
**GREENFIELD TAP & DIE CORP.** ("Lightning," "Green River," "Little Giant," "O. K." & "G. T. D."), Greenfield, Mass.
*See adv index at end of book*
**Handy Mfg. Co. ("Handy"), Bridgeport, Conn.**
Hart Mfg. Co. ("Buckeye," "Duplex" Adjustable Ratchet Die Stocks), Cleveland, O.
**Hinman D. A. & Co. ("Enterprise" Ratchet Die Stocks), Sandwich, Ill.**
**Hollands Mfg. Co. (Pipe), 352 E 12th, Erie, Pa.**
**Jarecki Mfg. Co. (Pipe Threading, etc), Erie, Pa., & Pittsburgh Pa.**
Johnson & Biddle Tool Co., Elkhart, Ind.
Johnson O. A. & Sons, 6522 S. Winchester av, Chicago, Ill.
Kelly Reamer Co., Columbus rd, Cleveland, Ohio
Kemp C. M. Mfg. Co. ("Climax" Ratchet Stocks), 405 E Oliver, Baltimore, Md.
Keystone Die Stock Co. ("J. J. Delehant's Keystone" Die Stocks), 652 W 47th, Chicago, Ill.
Levi Benjamin (Dies), 355 W B'way, New York
**LOWELL WRENCH CO.** (Ratchet Die Stocks), 54 Commercial, Worcester, Mass. *See adv index at end of book*
McMann & Taylor Co., 104 John, New York. *See adv index at end of book*
Mark Mfg. Co., Evanston, Ill.
Michigan Machine Co., 85 Porter, Detroit, Mich.
Morse Twist Drill & Machine Co. ("Morse"), (Screw Plates & Dies), New Bedford, Mass.
**Nye Tool & Machine Works ("Nye" Solid Die Stocks & Adjustable Hand Stocks), 108 N Jefferson, Chicago, Ill.**
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**
Oster Mfg. Co. ("Oster," "Bull Dog," Ratchet Stock & Die), 2057 E 61st pl, Cleveland, O.
Outlet Cutter Sales Corp., 162 W 34th, New York
Pancoast Hy. B. Co. (Pipe Threading, etc), 950 N Front, Phila., Pa.
Polk A. J. & Son Co. (Pipe), Millersburg, Pa.
Pratt & Whitney Co. ("Whitney" Ratchet Drill Stock), Hartford, Conn.
Reed Mfg. Co. (Adjustable & Solid Pipe & Bolt), Erie, Pa.
**Robbins, Gamwell & Co. (Die Stocks), Pittsfield, Mass.**
**Russell Mfg. Co., Greenfield, Mass.**
**Saunders D. Sons (Pipe Threading, etc), Yonkers, N. Y.**
**Standard Engineering Co. (Hand), Ellwood City, Pa.**
**Toledo Pipe Threading Machine Co. (Hand Operated Threading Tools), 1440 Summit, Toledo, O.**
Walworth Mfg. Co. ("Hall," Pipe Threading, etc), Boston, Mass.
Winter Bros. Co. (Die Stocks), Wrentham, Mass.

## 14335a— *Stokers (Automatic)

Schaffer Engineering & Equipment Co. (Continuous & Automatic Control), Peoples Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*
Yonts C. H. Co., Meadville, Pa.

## Stokers (Hand)

See Locomotive Stokers

## 14335b—Stokers (Powdered Coal)

Aero Pulverizer Co., 120 B'way, New York
Stroud E. H. & Co., 928 & 934 Fullerton av, Chicago, Ill.

## 14336—Stone (Artificial Building)

See also Blocks, Hollow Concrete Building

Anchor Building Co., Elizabeth, N. J.
Art Stone Co., 240 Market, Hartford, Conn.
**Art Stone Co., Millers Falls, Mass.**
Buffalo Litholite Co., Main & Amherst, Buffalo, N. Y.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
**Decorative Stone Co., New Haven, Conn.**
Eilbacher Chas., 32 4th, Elizabeth, N. J.
Emerson & Norris Co., Boston, Mass.
Hydro Stone Products Co., 5631 W 65th, Chicago, Ill.
Kraus J. C. Cast Stone Works (Balustrades, Columns, etc), 363 Lexington av, New York
**Menefee Art Stone Co., Ft. Wayne, Ind.**
**New England Stone Co.** (For All Purposes), New Haven, Conn.
Norwood Concrete Block & Constr'n Co., Madison av, & C. L. & N. Ry., Norwood, O.
**Onondaga Litholite Co., Syracuse, N. Y.**
**Puritan Cement Stone Co., 164 Federal, Boston, Mass.**
Rackle Geo. & Sons Co., A B C Line, Cleveland, O.
**Reimers-Kaufman Co., Lincoln, Neb.**
**Simpson Bros. Corp., 166 Devonshire, Boston, Mass.**
**Whitman Studios (Ornamental), 900 Oxford, Phila., Pa.**

## Stone Crabs (Hook & Chain)

**See Crabs, Hoisting**

## 14337— Stone (Crushed)

**See also Trap Rock; also Granite Producers, Workers, etc; also Stone Producers, Workers, etc; also Stone Screenings**

### ARKANSAS.

LITTLE ROCK—Big Rock Stone & Construction Co.
Blue Trap Rock Co.
Pulaski Stone Co.

### CALIFORNIA.

COLTON—California Portland Cement Co. (Limestone)
LOS ANGELES—California Portland Cement Co. (Limestone)
Golden State Portland Cement Co., 112 W 9th
**Los Angeles Stone Co., Baker Detwiler bldg.**
SAN FRANCISCO—California Building Material Co., 500 New Call bldg

### CONNECTICUT.

BRIDGEPORT—Burns Co.
MERIDEN—Connecticut Quarries Co.
Lane Quarry Co.
NEW HAVEN—Blakeslee C. W. & Sons, 58 Waverly
NORWICH—Torrance Archibald

### DELAWARE.

WILMINGTON—Delaware Granite & Mining Co., 14th & Pine
Stewart & Donohue
**Warner Chas. Co., I. O. O. F. bldg.**

### DISTRICT OF COLUMBIA.

WASHINGTON—Columbia Granite & Dredging Co., 3036 K, N W

### GEORGIA.

ATLANTA—Whitestone Marble Co. (Marble)
CARTERSVILLE—Ladd Lime & Stone Co.
MACON—Georgia Quincy Granite Co.

### ILLINOIS.

ALTON—Armstrong Jno. Lime & Quarry Co. (Limestone)
BELLEWOOD—O'Laughlin A. C. Co.

ILLINOIS—continued
CHICAGO—Brownell Improvement Co. (Limestone, also Concrete Stone), Cham. of Com. bldg
Chicago Union Lime Works Co., 1900 W 19th
Dolese Bros. Co. (Limestone), 10 S La Salle, Chicago, Ill.
Dolese & Shepard Co. (Limestone), 108 La Salle
Illinois Stone Co., 29 S La Salle
O'Laughlin A. C. Co., 133 W Wash'n
Producers' Material Co., 29 S La Salle
Stearns Lime & Stone Co. (Limestone), 160 W Randolph
Tuthill Building Material Co., 131 W 63d
United States Crushed Stone Co., 108 S La Salle
Universal Crushed Stone Co., 29 S La Salle
Waushara Granite Co., 133 W Washington
Western Stone Co., 133 W Wash.
Wisconsin Granite Co. (Granite), 11 S La Salle
EAST ST. LOUIS—East St. Louis Stone Co.
ELGIN—Magnus Andrew
JOLIET—Joliet Flux Co.
National Stone Co. (Limestone)
KANKAKEE—Lehigh Stone Co.
MADISON—Kettle River Co. (Sandstone)
PEORIA—Wasson T. J.
QUINCY—Menke F. W. Stone & Lime Co. (Limestone)
Roeder Greeman Stone & Construction Co.
ROCKFORD—Hart & Page
ROCK ISLAND—Davis T. B. & S. S. (Crushed Rubble Limestone)

## INDIANA.

ALEXANDRIA—Alexandria Crushed Stone Co.
HUNTINGTON—Erie Stone Co. (See Toledo, O.)
Keefer Henry
Logansport Stone & Construction Co.
INDIANAPOLIS—A. & C. Stone & Lime Co., 17 N Pennsylvania av
INGALLS—Big Four Crushed Stone Co.
MITCHELL—Mitchell Lime Co.
MONON—Monon Crushed Stone Co.
OSGOOD—Ashman Geo.
ST. PAUL—Greely Stone Co.

## IOWA.

BETTENDORF—Bettendorf Stone Co.
DAVENPORT—Linwood Quarries Co.
FORT MADISON—Fort Madison & Appanosse Stone Co.
IOWA FALLS—Ellsworth Stone Co.
KEOKUK—McManus & Tucker

## KANSAS.

EL DORADO—Dolese Bros. Co.
HUTCHINSON—Solvay Process Co.

## KENTUCKY.

FREESTONE—Kentucky Bluestone Co. (For Concrete)
LOUISVILLE—Speed J. B. & Co.
MT. VERNON—Sparks W. J. Co.
NEWPORT—Ohio River Stone Co.

## MARYLAND.

BALTIMORE—Beaver Dam Marble Co., Gunther bldg
Guilford & Waltersville Granite Co., Law bldg
Pope B. F., Law bldg
Standard Lime & Stone Co. (Limestone, Granite, etc), Equitable bldg
DICKERSON—Standard Lime & Stone Co.
FREDERICK—Potomac Lime & Stone Co.
HAGERSTOWN—Security Cement & Lime Co. (Limestone)
PORT DEPOSIT—Port Deposit Quarry Co. (Granite)
SECURITY—*Security Cement & Lime Co. (Limestone)

## MASSACHUSETTS.

BOSTON—Beatty Construction Co., 66 Warren
Coleman J. C., & Sons Co., 1620 Tremont
McMurry A. J. & G. H., 16 Shepard (Br)
New England Crushed Stone Co., 125 Forest Hills, J. P.
Rockport Granite Co. (Granite, All Sizes), 31 State
CHELSEA—Coleman Bros.
FALL RIVER—Beattie Wm. H.
MONSON—Flynt W. N. Granite Co. (Granite & Trap Rock)
QUINCY—Kavanagh Bros. Co.
ROCKPORT—Rockport Granite Co. (Granite, All Sizes)
WALTHAM—Waltham Trap Rock Co.
WEST CHELMSFORD—Fletcher H. E. Co. (Granite)

## MICHIGAN.

DETROIT—Baltinger Wm. F., 1486 Mach av
Calvert's J. Sons, McGraw bldg
*Dunbar Stone Co., River Rouge
Little Chas. H. Co., Dock River Rouge
Meier Hubert A., 525 Bellevue
Piggins Wm. S. Sons
Rankin Wm., 286 Commonwealth
Solvay Process Co. (Quarries & Wks., Sibley, Mich.) Debray
MANISTIQUE—White Marble Lime Co. (Limestone)

## MINNESOTA.

DULUTH—Duluth Crushed Stone Co.
KASOTA—Babcock & Wilcox
Breen Stone & Marble Co.
MANKATO—Fowler & Pay
MINNEAPOLIS—Blue Limestone Co., B'way & K N W
Kettle River Co. (Sandstone), Plymouth bldg
Minnesota Crushed Stone Co., 1500 Johnson N E
NEW ULM—New Ulm Stone Co.
ST. PAUL—St. Paul Crushed Stone Co., Stewart & Victoria
SANDSTONE—Kettle River Co.
WINONA—Biesanz Stone Co. (Limestone)

## MISSOURI.

CAPE GIRARDEAU—Hely Edw. (Limestone)
KANSAS CITY—Belt Line Crusher Co.
Dewey Portland Cement Co., Scarritt bldg
Lyle Rock Co.
Parker-Washington Co.
Stewart Sand Co., American Bank bldg
ST. JOSEPH—Young Bros. Construction Co.
ST. LOUIS—Eyermann G. & Bro., 1216 S Grand av
Glencoe Lime & Cement Co. (Limestone), Syndicate Trust bldg
Missouri Granite & Construction Co., 3410 Gratiot
Schneider Granite Co. (Granite), 2140 De Kalb

## NEBRASKA.

BLUE SPRINGS—Davis Geo. H.
OMAHA—Schall A. & Co.

## NEW HAMPSHIRE.

MARLBOROUGH—Webb Granite & Construction Co.

## NEW JERSEY.

BOUND BROOK—Bound Brook Crushed Stone Co.
DUNELLEN—Dunellen Lumber & Stone Co.
EAST NEWARK—Van Keuren & Son
JERSEY CITY—Delaware River Quarry & Construction Co. (Railroad Ballast, etc), 390 George
LAMBERTVILLE—Delaware River Quarry & Const. Co.
LITTLE FALLS—Ferguson's, Wm. A. Sons
MORRISTOWN—Morris County Crushed Stone Co.
Paterson Crushed Stone Co.
Schmidt F. W.
NEW DURHAM—Belmont, Gurnee Stone Co.
NEWARK—Tomkins Bros., 74 Passaic
Upton F. R. (Sandstone), 9 Clinton bldg
Van Keuren & Son, 501 Passaic av
PATERSON—McKiernan & Bergin Co.
Paterson Crushed Stone Co.
PLAINFIELD—Bartle Bros.
SCOTCH PLAINS—Fanwood Stone Crushing & Quarry Co.
SUMMIT—Commonwealth Quarry Co.

## NEW MEXICO.

EAST LAS VEGAS—Canyon Lime Co.

## NEW YORK.

AKRON—General Crushed Stone Co. (Limestone) (Branch of Easton, Pa.)
BUFFALO—Buffalo Crushed Stone Co., Ellicott sq
Carroll Bros., Ellicott sq
Dolese Bros. Co.
German Rock Asphalt & Cement Co., D. S. Morgan bldg
CHAUMONT—Adams & Duford Co.
LANCASTER—Ott Bros.
LE ROY—General Crushed Stone Co. (Limestone) (Branch of Easton, Pa.)
NEWBURGH—Miller D. C.

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Bannon P. & Sons Quarry Co., 129 Richards
Hickey M. F. Co., 83 Ninth
Ryan N. Co., 491 Smith
Rockport Granite Co. (Granite, All Sizes)

### Boroughs of Manhattan and Bronx.

NEW YORK—Algie Robert J., 2249 B'way
Altieri M. & Sons, 363 Concord av
Brady Jas. B. Co., 525 E 118th
Fleming Alfred J. (Wholesale), 109 Broad
Leopold J. & Co. (Granite), Woolworth bldg
Murray Jos. & Co., 263 av C
New York Trap Rock Co. (Hudson River), 101 Park av
Tomkins Calvin, 30 Church
(End of New York City)

SYRACUSE—Solvay Process Co. (For Roads & Concrete Work)
TUCKAHOE—Conlin & Co.
UTICA—Conley Frank E. Stone Co. (Limestone & Blue Sandstone)

## NORTH CAROLINA.

ASHEVILLE—Valentine & Co.
SALISBURY—Harris C. J. Granite Quarries Co. (Granite)

## OHIO.

BUCYRUS—Broken Sword Stone Co (Crushed for Concrete Purposes)
BURGOON—Murphy J. H.
CAREY—National Lime & Stone Co.
CINCINNATI—American Stone Ballast Co., Prov. Bank bldg
Kirchner Construction Co., 221 W 9th
CLEVELAND—Breakwater Co.
Dolomite Products Co. (Limestone), 1110 Euclid av
Kelley Island Lime & Transport Co., Leader News bldg
Spence Bros. (Limestone)
COLUMBUS—Buckeye Dredging Co., Kimball & Mitchell
Capital Lime Stone Co.
Casparis Stone Co., Clinton bldg
Columbus Macadam Co. (Limestone), 319 Dublin av
Marble Cliff Quarries Co.
FINDLAY—Hancock Stone Co.
Tarbox & McCall
FOSTORIA—Ohio & Western Lime Co.
GERMANTOWN—Wiggim Crushed Stone & Sand Co.
LEETONIA—McKeefrey & Co.
Shenango Limestone Co.
LOWELLVILLE—Carbon Limestone Co. (Concrete a Specialty)
MARION—Evans Jno. Stone & Lime Co.
NORTH BALTIMORE—France Stone Co.
OTTOVILLE—Lauer N.
PANDORA—Schumacher Stone Co.
PIQUA—Ohio Marble Co. (Limestone)
SANDUSKY—Wagner Quarries Co.
SPENCERVILLE—Spencer Stone Co.
SPRINGFIELD—Mills Bros.
Moores Lime Co. (Limestone)
SYLVANIA—*Sylvania Stone Co.

TOLEDO—Erie Stone Co.
France Slag Co., 2nd Nat'l Bank bldg
France Stone Co.
Ohio & Michigan Sand & Gravel Co. (Granite)
Toledo Stone & Glass Sand Co.
Woodville Lime Products Co., 622 Madison av
VAN WERT—Big Four Crushed Stone Co.
Erie Stone Co.
YOUNGSTOWN—Bessemer Limestone Co. (Washed for Concrete, Macadam, etc.)
Concrete Stone & Sand Co. (Blue Sand Stone)

### OKLAHOMA.

ARBUCKLE—*Dolese Bros. Co. (See Chicago, Ill.)
RICHARDS—*Dolese Bros. Co. (See Chicago, Ill.)

### OREGON.

PORTLAND—St. Helenas Quarry Co., Blake-McFall bldg

### PENNSYLVANIA.

BELLEFONTE—American Lime & Stone Co. (Branch of Tyrone, Pa.)
Bellefonte Lime Co.
EASTON—Easton Lime Co.
General Crushed Stone Co.
GLEN MILLS—General Crushed Stone Co. (Trap) (Branch of Easton, Pa.)
GREEN LANE—Davis Trap Rock Quarry Co., Parkway bldg. (Branch of Easton, Pa.
Perkiomen Crushed Stone Co., Bulletin bldg
HARRISBURG—Whittock J. M.
LANCASTER—Lancaster Lime & Supply Co.
NORRISTOWN—Dyer Jno. T. Quarry Co.
PHILADELPHIA—Birdsboro Stone Co., Land Title bldg
Davis Trap Rock Works, Parkway bldg
Dyer Jno. T., Quarry Co., Harrison bldg
General Crushed Stone Co., North American bldg
Holmesburg Granite Co., Commercial Trust bldg
Knickerbocker Lime Co. (Limestone), 366 N 24th
Lambertville Stone Quarry Co., 1218 Filbert
Lukens & Yerkes, St. Girard bldg
Warner Chas. Co. (Limestone), Finace bldg
PITTSBURGH—Booth & Flinn (Ltd.) (Ligonier), 1942 Forbes
Clydesdale Stone Co. (Hard Sandstone), Oliver bldg
Consolidated Stone & Mining Co. (Limestone), 307 5th av
REDINGTON—General Crushed Stone Co. (Dolomite) (Branch of Easton, Pa.)
TYRONE—American Lime & Stone Co. (Limestone)
WALTONVILLE—Brown-Stone Store Co. (For Concrete, etc)
WAYNESBORO—Decarbonated Lime & Stone Co.
WHITE HAVEN—General Crushed Stone Co. (Sandstone) (Branch of Easton, Pa.)
WILLIAMSPORT—Susquehanna Stone Co.
YORK—Baker J. E. Co.
Union Stone Co.

### RHODE ISLAND.

EAST PROVIDENCE—McCormick Jos.

### TENNESSEE.

CHATTANOOGA—Chickamauga Quarry & Construction Co. (Limestone)
Hooker Limestone Co., Chattanooga, Tenn.
MEMPHIS—Christie Cut Stone Co.
Kastner Cut Stone Co.
NASHVILLE—Foster & Creighton Co.
NEWSOMS STATION—Ezzell Mill & Stone Co.

### TEXAS.

EL PASO—El Paso Ice & Refrigerator Co.
HOUSTON—Texas Grading Co.

### VERMONT.

HARDWICK — Woodbury Granite Co. (Granite Only)

### VIRGINIA.

RICHMOND—Davis A. & Bros.

### WASHINGTON.

SEATTLE—Independent Asphalt Paving Co.

### WISCONSIN.

AMBERG—Pike River Granite Co.
LA CROSSE—La Crosse Stone Co,
MILWAUKEE—American Granite Co. (Granite, 15th & Cleveland av
Donahue J. & Sons, 318 Bradford av
Lake Shore Stone Co., 1406 1st Nat'l Bank bldg
OSHKOSH—Lutz Robert
RACINE—Universal Crushed Stone Co.
WAUPACA—Waupaca Sand & Gravel Co.

## 14338—Stone Crusher Parts & Repairs

See also Castings, Rock Crusher

**American Manganese Steel Co. ("Amsco" Brand, Manganese Steel), 332 S Michigan av, Chicago, Ill.**
Steele & Condict, 74 Pearl, Jersey City, N. J.
Taylor Wharton Iron & Steel Co., High Bridge, N. J.

## 4339—Stone Crushing Plants (Complete)

Acme Road Machinery Co., Frankfort, N. Y.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Buchanan C. G. Co., 90 West, New York
**Buckbee J. C. Co., 38 S Dearborn, Chicago, Ill.**
**Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.**
Good Roads Machinery Co. ("Champion" & "Climax"), Kennett Square, Pa.
**KENNEDY VAN SAUN MFG. & ENG. CORP., 120 Broadawy, New York**
*See adv index at end of book*
Mashek Engineering Co., 90 West, New York
**South St. Louis Foundry Co., 7514 S. B'way, St. Louis, Mo.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Traylor Engineering & Mfg. Co., Allentown, Pa.** *See adv index at end of book*
Universal Road Machinery Co. ("Reliance"), Kingston, N. Y.
**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

## 14340—Stone Crushing Plants (Portable)

Good Roads Mach'y Co., Kennett Square, Pa.
**KENNEDY VAN SAUN MFG. & ENG. CORP., 120 Broadway, New York.**
*See adv index at end of book*

## 14341— Stone (Flattening)

**Beaver Valley Pot Co. (For Window Glass Mfrs.), Rochester, Pa.**
**Souder F. M. ("Imp."), Millville, N. J.**

## 14342— Stone (Fluxing)

Dolomite Products Co., 1110 Euclid av, Cleveland, O.
Hooker Limestone Co., Chattanooga, Tenn.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**Marble Cliff Quarries Co., Columbus, Ohio**
**Security Cement & Lime Co., Hagerstown, Md.**
Woodville Lime Products Co., 622 Madison av, Toledo, O.

## 14343—Stone Morgue & Dissecting Slabs

Euclid Stone & Brick Co., Cleveland, O.

## 14344—Stone Producers, Workers & Dealers

**Firms who Operate Quarries are Marked by Either a § or ***
**See also Granite Producers, Workers & Dealers; also Marble Producers; also Lime Mfrs.; also Cement Mfrs.; also Roofing Slate Mfrs.; also Blast Furnaces**

### ALABAMA.

ANNISTON—Lagarde Lime & Stone Co.
BIRMINGHAM—Gulf States Steel Co. (Limestone)
Macke Marble & Granite Works (Cut Stone)
**Reed Bros.**
*Sloss-Sheffield Steel & Iron Co. (Limestone, All Consumed by the Company
*Tennessee Coal, Iron & R. R. Co. (Limestone, All Consumed by the Company)
HUNTSVILLE—Hummel J. F. & Sons (Cut Contractors)
**ROCKWOOD—Foster & Creighton Co. (See Nashville, Tenn.)**
SAGINAW—Saginaw Lime & Stone Co.

### ARKANSAS.

BATESVILLE—*Pfeiffer Stone Co. (Batesville Oolitic)
PINE BLUFF—Sheppard E. A. (Cut Stone)

### CALIFORNIA.

COLTON—*California Portland Cement Co. (Building Rock)
CORONA—§Temescal Rock Co.
GILROY—§Martin Bros. (Cut Contractors)
**LOS ANGELES—Allison S. & Son, 1354 Palmetto**
**Bly Bros. & McGilliard Stone Co., 668 S Utah**
*California - Portland Cement Co. (Building Rock)
Golden State Portland Cement Co., 112 W 9th
Lane Bros. (Cut Contractors), 302 W 9th
**Portland Cement Co. (Building Rock), 129 W 2d**
Raymond Stone Co.
**OAKLAND—Veitch W. T. & Bro.**
SAN DIEGO—§Simpson-Pirnie Granite Co.
SAN FRANCISCO—Colusa Sandstone Co., **Potrero av & Division**
§Raymond Granite Co., Potrero av & Division
*San Francisco Quarries Co., Balboa bldg

### COLORADO.

COLORADO SPRINGS—Newton Lumber & Mfg. Co.
DENVER—*Colorado Fuel & Iron Co. (Limestone & Dolomite Quarries)
Edwards E. A. & Co. (Cut Contractors), 13th & Delgany
Greenlee Stone & Bldg Co.
Threewit Benj. F.

### CONNECTICUT.

ANSONIA—*Ansonia Trap Rock Co.
§Potter Wm. (Cut Contractors)
*Wooster Chas. B.
BRIDGEPORT—Jackson Stone Co. (Cut Contractors)
Wheeler & Howes (Blue)
BRISTOL—Arms H. G. (Foundation)
GUILFORD—*Beattie John (Est. of)
HARTFORD—Billings Sidewalk & Coal Co. (Blue, etc)
Freeburg A. S.
Kelly Bros. (Cut Contractors), 93 Charter Oak
*O'Connor-Walker Cut Stone Co. (Cut Contractors)
Putnam H. E.
LIME ROCK—*Barnum-Richardson Co. (Limestone, All Consumed by the Company)
MERIDEN—*Connecticut Quarries Co. (Crushed)
Grossman G. J. (Free)
*Kearney Thos.
Lane Jno. S. & Son (Crushed Trap Rock)
*Lane Quarry Co. (Crushed, etc)
Lines H. Wales Co. (Blue & Brown Stone)
Luby Wm. J. (Blue, etc)

CONNECTICUT—continued
MIDDLETOWN—Middletown Coal Co. (Flagging, etc)
NEW BRITAIN—Halloran Matthews W. (Building)
Meehan Jno. F. (Freestone)
Smith Thomas C. (Bluestone)
NEW HAVEN—Blakeslee C. W. & Sons (Building, Broken & Blue), 58 Waverly
*Connecticut Quarries Co. (Crushed Trap Rock)
Howards' Co. (Blue; Dealers Only), 250 Boulevard
Maxwell Jno. & Son, 112 Winchester av
Warner-Miller Co. (Blue Stone)
NEW LONDON—D'Avignon Francis P. (Blue & Brown)
Rogers Hervey E.
§Ryan John J. (Cut Contractor & Flagging)
NEW MILFORD—Hansen Christian
NORWALK—*Hall Irving
Meeker Coal Co. (Blue)
NORWICH—Dodd Thos. J.
Harrington P. J.
Peck McWilliams & Co. (Flagging)
Torrance Archibald
PORTLAND—§Brainerd, Shaler & Hall Quarry Co. (Brown)
Connecticut Steam Brownstone Co. (Brownstone Cutters & Contractors)
ROCKVILLE—Martin W. B.
*Rau Conrad B. (Flagging)
ROCKY HILL—*Conn. Quarries Co.
SHELTON—(See Derby)
SOUTH NORWALK—(See Norwalk)
STAFFORD SPRINGS—Kingsbury A. W. (Monumental Work & Curb Stone, Stone Cutter)
STAMFORD—Bounty A. E. Co. (Blue Flagging)
TORRINGTON—DeMichiel Jno. & Bros.
WATERBURY—§Chatfield & Chatfield (Blue, etc)
Gaffney J. W. & Son (Blue)
Jackson Thos. F. Co. (Cut Contractors)
WILLIMANTIC—*Larrabee C., Jr.
WINSTED—Carey J. F.

## DELAWARE.

WILMINGTON—Delaware Granite & Mining Co., 14th & Pine
*Stewart & Donohue

## DISTRICT OF COLUMBIA.

WASHINGTON — Columbia Granite & Dredging Corp. (Crushed, Building & Rip Rap), 3036 K, N W
Smith Philip, 1st, & B. S. W
Veihmeyer & Lapish, 31st & Canal N W

## GEORGIA.

ATHENS—Bigson P. & Son (Building)
ATLANTA—Capital Stone Co. (Cut Contractors)
COLUMBUS—Elledge & Norman Marble Co.
LITHONIA—Brand John T. (Cut Stone, Curb, Flagging, etc.)
NELSON—Blue Ridge Marble Co. (Cut Contractors)
TOCCOA—*Schaefer Edw.

## ILLINOIS.

ALTON—*Alton Builders' Supply Co.
*Armstrong J. Lime & Quarry Co. (Limestone)
*Reliance Quarry & Construction Co.
BATAVIA—§Barker W. P.
BLOOMINGTON — Higgins-Jung-Kleinau Co. (Cut Stone)
Moore J. K. (Cut Stone)
Walsh M. & Son
CHICAGO—Anderson Andrew G., 5831 Justine
Anderson Richard, 3112 Osgood
Andres Stone & Marble Co., 343 S Dearborn
Artesian Stone & Lime Works Co. (Limestone), Grand & Campbell avs
Baumann Jacob, 1326 Altgeld
Bolleau Paul, 722 S Kolmar
Brodix & Malone (Dealers), 112 W Adams
California Cut Stone Co., 2136 S Sawyer av
Central Oolitic Stone Co., 2126 S Kedzie av
Chicago Cut Stone Co. (Cut Contractors), 3403 La Salle
*Chicago Union Lime Works Co. (Macadam & Crushed), 1900 W 19th
Cleveland Stone Co. (Ohio Blue & Buff), 140 S Dearborn
Dallman Chas. F. & Son, 5816 Lafiin
Diener T. C. & Co. (Contractor, Cut), 1157 W 21st
Dolese Bros. Co. (Crushed), 10 S La Salle
*Dolese & Shepard Co. (Crushed, etc), 108 S La Salle
Douglas Cut Stone Co., 2131 S Troy
Edgeworth Jas. J. (Contractors' Cut), 2701 Stewart av
Edwards John H. (Cut Contractors), 5837 Justine
Egdorf John, 1227 Otto
Falter Geo. A. (Cut), 917 S Keeler av
Fluck Hugh W. (Cut Contractors), 7306 Kimpark av
Furst & Fanning (Cut Stone Contractors), 946 Kingsburg
Furst-Kerber Cut Stone Co., 2301 S La Salle
Galloy & Van Etten (Cut Contractors), 11756 S Halsted
Greene & Sons, 3403 Lowe av
Hagan James A., 1620 S Laramie av
Hampson Jas. A., 3529 S Leavitt
Henry Wm., 5837 Justine
Hepperle J. & Son, 4008 W Taylor
*Illinois Steel Co. (Limestone, all Consumed by the Company), 208 S La Salle
*Illinois Stone Co. (Dimension & Rubble), 29 S La Salle
*Indiana Quarries Co. (Blue & Buff Oolitic, Ind., Limestone), 112 W Adams, Quarries & Mills: Bedford, Ind.
Ingalls Stone Co., 38 S Dearborn
Karge Frank (Cut Contractors), 5831 Bishop
Kempe P. & Co. (Cut Contractors), 571 Mather
McArthur Cut Stone Co., 4650 Iowa
McHugh Jno., 5816 Normal av
McKay-Storer Co., 5 N La Salle
McMillan W. & Son (Inc.), (Building & Cut Stone), Otis bldg
Mahan Co., 2132 S Kedzie av
Nelson & Hawkinson (Cut Stone), 6151 B'way
Ohio Sandstone Co., 140 S Dearborn
O'Laughlin A. C. Co., 133 W Wash'n
Olson & Nelson Cut Stone Co. (Cut Contractors), 3401 S La Salle
*Peoria Stone & Marble Works (of Peoria, Ill.), 140 S Dearborn
Sasgen Derrick Co. (Lewis Stone), 3101 W Grand av
Skoglund Emil G. (Cut Contractor), 4920 N Clark
Skoglund Eric, 5555 N Lincoln av
Stein-Ebertshaeuser & Co. (Cut Contractors), 1017 W Division
Steven & Son Co., 175 W Jackson blvd,
Storer Richard V., 10 S La Salle
Struble Henry, Cut Stone Co., 209 S La Salle
Sward A. E. & Co. (Cut Contractors), 123 W 33d
Tesmer R. C., 5835 Winthrop
†United States Crushed Stone Co., 108 S La Salle
Universal Crushed Stone Co., 29 S La Salle
Ward Albert J. Co., Fullerton av Bridge
Watson Gavin F., E 72d & Blackstone av
West Side Cut Stone Co., 2422 W Walton
Western Stone Co. (Cut Contractors), 133 W Wash
Wilde & Schmidt (Cut Contractors), 21st W of Marshall blvd
Winkler Ignatz & Co., 2616 S Sacramento av
CICERO—Fanning Chas. G. & Co. (Cut Stone Contractors)
Shick Wm. & Son, 2917 S 48th av
DECATUR—Grindol W. H. & Sons
Pasold John I. (Cut Contractor)
EAST ST. LOUIS—§East St. Louis Stone Co. (Cut Contractors)
Interstate Contracting & Supply Co.
*Queen City Quarry Co.
§Stolle Casper Quarry & Contracting Co. Cahokia bldg.
ELGIN — *Magnus Andrew (Crushed Stone)
Russell & Treiber (Cut Stone)
ELMHURST—*Elmhurst-Chicago Stone Co.
EVANSTON—North Shore Stone Co. (Cut)
FAIRMOUNT—*Casparis Stone Co.
FOREST PARK—Arch Henry C. (Cut Stone)
GALESBURG—Craig & Harris (Cut Contractors)
GRAFTON—§Grafton Quarry Co. (Sandstone)
JOLIET—Commercial Stone Co. (Limestone)
*Groth Adam & Co. (General & Cut Stone Contractors)
*Joliet Flux Co. (Crushed, etc)
*Joliet Quarries Co.
*Merchants Stone Co.
*Murphy D. & F.
§Western Stone Co.
KANKAKEE—*Lehigh Stone Co. (Crushed Stone, etc)
LEMONT—§Illinois Stone Co. (Dimension & Rubble)
§Western Stone Co. (Limestone)
LENA—Perkins H. F. (Cut Contractor)
LINCOLN—Lincoln Monument Co.
MADISON—*Kettle River Co. (Bldg, Curbing, Bridge, Paving, etc)
MOLINE—*Moline Stone Co. (Limestone)
OAK PARK—Chelberg Otto (Cut Stone)
Chicago & Oak Park Cut Stone Co. (Cut Stone)
Opit John & Co. (Cut Stone)
OTTAWA—Baldwin & Prisler Co. (Cut Stone)
PARIS—Safford's S. Sons (Cut Stone)
PEORIA—Enterprise Stone Co.
Triebel & Sons (Cut Stone)
Wasson T. J. (Crushed)
QUINCY—*Menke F. W. Stone & Lime Co. (Limestone)
*Roeder & Greeman (Crushed, etc)
ROCKFORD—*Carrico Stone Co.
*Hart & Page (Building, Bridge & Rubble)
Reid Fred (Cut Contractor)
Winchester Thos. (Cut)
ROCK ISLAND—*Davis T. B. & S. S. (Limestone, Crushed Rubble)
McConochie Wm. & Sons
SPRINGFIELD—Baum M. J. (Cut Stone)
Fortado J. L. Co. (Cut Contractors)
Illinois Granite & Stone Works (Cut Contractors)
URBANA—Clark C. N. & Co.
WAUKEGAN—Bairstow Frederick (Dealer)

## INDIANA.

ALEXANDRIA—Alexandria Crushed Stone Co. (Crushed, etc)
BEDFORD—Bedford Cut Stone Co. (Cut Contractors)
§Bedford Steam Stone Works (Saw Mills, Columns, etc)
Bedford Stone & Construction Co.
*Consolidated Stone Co. (Quarries & Mills, Bedford, Park Hollow & Hunter Valley)
Imperial Stone Co.
*Indiana Bedford Stone Co.
†Indiana Limestone Co. (Blue & Buff, Oolite, Ind. Limestone)
Ingalls Stone Co.
*Norton C. S. Blue Stone Co.
*Reed Stone Co. (Cut Contractors)
Rowe John A. Cut Stone Co. (Cut Contractor)
Shea, Donnelly Giberson Co. (Cut, Contractors)
*Struble Henry Cut Stone Co. (Cut Contractors) (of Chicago)
BLOOMINGTON—*Bloomington - Bedford Stone Co.
Bloomington Crushed Stone Co.
§Central Oolitic Stone Co. (Cut Contractors, Bluff & Blue Limestone)
§Chicago & Bloomington Stone Co.
*Crescent Stone Co.
*Empire Stone Co. (Indiana Oolitic Limestone)
Headley Stone Co. (Cut Contractors)
Hunter Bros. Stone Co.
*McMillan W. & Son (of Chicago)
*Mathers Stone Co. (of Chicago)
*Matthews Bros. Co.
*Monroe County Oolitic Stone Co.
§National Stone Co. (Buff & Blue Limestone)
Nolan James H. Sons Co.
*South Side Stone Co.
*Star Stone Co. (of Chicago)
BLUFFTON—*Erie Stone Co. (See Toledo, Ohio)
CANNELTON—*Pauline F. S. & Co.
COLUMBUS—McCormack P. H. Co.
ELLETTSVILLE—*Matthews Bros. Co.
*Perry Stone Co.
Thompson A. J. Stone Co.

ELWOOD—Digel S. H. (Cutter, Flagging, etc)
EVANSVILLE—*Caden Stone Co. (Green River Oolitic Limestone, Rough & Cut)
Ohio Valley Stone Co.
Scholz F. J. & Son
FLOYDS KNOBS — American Rubbing Stone Co.
FORT WAYNE—Geake William (Cut Con-Contractor)
Keller & Sons (Cut Contractors)
§Moellering's Wm. Sons
FRANKFORT—*Morris Wm. G. & Bro.
GREENCASTLE—*Ohio & Indiana Stone Co. (See Indianapolis)
GREENSBURG—§Greensburg Limestone Co.
HUNTINGTON—*Erie Stone Co. (See (Toledo, O.)
*Logansport Stone & Construction Co.
Ohio & Western Lime Co.
INDIANAPOLIS—A. & C. Stone & Lime Co., 1720 Pennsylvania av.
Ittenbach G. & Co. (Cut Contractors), 916 Harrison
*Spencer Stone Co. (Quarries, Spencer, Ind.)
INGALLS—*Big Four Crushed Stone Co. (Crushed, etc)
KOKOMO—*Chaffin Bros.
*Kokomo Stone Co.
*Leach J. M. Mfg. Co.
LAFAYETTE—*France Co.
LAPORTE—Franklin B. A. (Cut Contractor)
LAUREL—Secrest John P.
MARION—Benner F. M. & Co.
MARKLE—Markle Stone & Lime Co.
MUNCIE—Busch, Russell & Gelts Co. (Cut Contractors)
Illingworth Fred (Cut Contractor)
NEW ALBANY—Vernia John & Son Marble Co. (Cut Contractors)
NEW POINT—§Big Four Stone Co.
OOLITIC—†Indiana Quarries Co. (Buff & Blue Oolitic, Ind. Limestone) (See Offices, Chicago, Ill.)
OSGOOD—*Ashman Geo.
*Cox G. W.
*Osgood Lime Stone Co.
ST. PAUL—*Greely Stone Co. (Crushed)
*St. Paul Stone Quarries Co.
SOUTH BEND—Schmidt Cut Stone Co. (Cut Contractors)
SPENCER—*Spencer Stone Co.
STINESVILLE—*Hoadley J. & Sons Co. (Sawed, Planed, Turned & Cut)
*Romona Oolitic Stone Co.
TERRE HAUTE—§Terre Haute Stone Works Co. (Cut Contractors & Flagging)
Walsh Edward W.
WESTPORT—Westport Stone Co.

## IOWA.

BETTENDORF—Bettendorf Stone Co. (Crushed)
BURLINGTON—Burrus O. M. & Bro.
CEDAR RAPIDS—Edinger Ed. Co. (Cut Stone)
*Iowa Stone Co.
CLINTON—McDonnell D. P. J. (Cut Contracting Stone)
DAVENPORT—*Linwood Quarries Co.
DES MOINES—Capitol Hill Monument Co. (Cut Stone)
Des Moines Marble & Mantel Co. (Cut Stone)
*Earlham Land Co.
*Rowat Cut Stone Co.
DUBUQUE—Schulte G. G. (Cut Contractors)
Wagner Henry (Cut Contractors)
FORT MADISON—§Fort Madison & Appanosse Stone Co. (Crushed, etc)
KEOKUK—§McManus Quarries Co.
MASON CITY—Dayton-Oldham Granite Works
STONE CITY—*Dearborn H. & Sons
WATERLOO—*Bartlett & McFarlane
Moline C. H. (Cut Contractors)

## KANSAS.

HUTCHINSON—Solvay Process Co.
KANSAS CITY—Rock Springs Ice & Stone Co.
PITTSBURGH—Hill Geo. W. & Sons (Cut Contractors)

## KENTUCKY.

BOWLING GREEN—Oman Bowling Green White Stone Co.
CARTER—Foster B. D., Mrs.
COVINGTON—Farrell James F. (Cut Contractor)
*Schlosser Frank, Highland Pike
DAYTON—Walter Anton Supply Co.
FARMERS—*Rowan County Freestone Co. (Kentucky Blue, Rough, Bridge, Dimensions, etc)
FREESTONE—*Kentucky Bluestone Co. (Rough & Sawed Building Stone, Curbing & Flagging)
HADLEY—*Caden Stone Co. (Green River Oolitic Limestone, Rough & Cut). (Office, Evansville, Ind.)
HENDERSON—§Fleming J. H. & Son (Cut Contractors)
HOPKINSVILLE—*Dalton Bros. Brick Co. (Crushed Stone & Railroad Ballast)
IRVINGTON—Webster Stone Co.
LAWRENCEBURG—Ky. River Stone & Sand Co.
LOUISVILLE—Diebold John & Sons Stone Co. (Steam Stone Works & Contractors), 1417 16th
Peter & Burghard Stone Co. (Cut Contractors)
Peter & Melcher Steam Stone Works
MOUNT VERNON—*Sparks W. J. Co. (Limestone)
NEWPORT—*Ohio River Stone Co. (Crushed, etc)
Spinks Harry C. (Dealer)
OLIVE HILL—Highland Stone Co.
OWENSBORO—Mischel Geo. & Sons (Cut Contractors)
PADUCAH—Williamson J. E. & Co. (Cut Stone)
WARD—*Kentucky Freestone Co.

## MAINE.

PORTLAND—Mannix Bros. (Freestone)

## MARYLAND.

BALTIMORE—Andrew David M. Co. (Cut Contractors), Mt. Vernon
Clough & Molloy (Cut Contractors), Hartford rd & B & O
Gault Wm. A. & Son (Cut Contractors), 9 E Lexington
Guilford & Waltersville Granite Co. (Flint Feldspar, Rough or Ground, Granite Paving Blocks, Crushed Stone, Building & Dimension Granite), Law bldg
Knight Maurice L. (Cut Contractor), 1025 W Mulberry
Mann Geo. (Cut Contractors), Columbia av & B & O R R
Rullman & Wilson (Cut Contractors), Lafayette E Mt Royal
§Standard Lime & Stone Co. (Lime), Equitable bldg
DICKERSON—§Standard Lime & Stone Co.
HAGERSTOWN—Security Cement & Lime Co. (Limestone)
SECURITY—Security Cement & Lime Co. (Limestone)

## MASSACHUSETTS.

BOSTON—Beatty Construction Co., 66 Warren
Carew Jos. F. (Cut Contractor), Gerard & Mass av
Cleveland Stone Co., 141 Milk
Hallington John, Estate of (Blue Stone), 166 Devonshire
Maher Bros. (Blue Flagging, North River Stone), 200 S Hampton
Meany Edw. F. & Co. (Cut Contractors, Freestone & Limestone), 534 Albany
Murray Henry Co., 21 Arlington
§Norcross Bros. Co., 73 Tremont
Rowe Contracting Co., Brighton
Smith H. P. & Co., 23 Haverhill
Sullivan Wm. J. Co. (Freestone) (Cut Contractor), 99 Southampton
Troy Bros. & Co. (Soapstone), 975 Mass av, Rox.
West Roxbury Trap Rock Co. (Crushed & Bldg.), W R
Winchester Stone Co., 535 Albany
BROCKTON—Long M. D.
Messer Bros.
CAMBRIDGE—Harrington Jno. (Est. of) (Bluestone)
Ricker E. & Son Co. (Cut Stone)
Sands Geo. R. (Cut Stone)
EAST LONG MEADOW — §Norcross Brownstone Co. (East Longmeadow Brownstone), (Office, Worcester)
*Rankin J. H. (Cut Contractor)
HOLYOKE—Archambault Albert
McCormick D. & Son (Cut Contractors)
LAWRENCE—Dorman Jas.
Lawrence Granite Co. (Cut Stone & Granite)
LENOX—*Clifford's James Sons (Freestone)
LOWELL—*Gumb Bros. (Cut Stone)
LYNN—Merrill Geo. B. & Co. (Cut Contractors)
§Shea & Donnelly Giberson Co., (Cut Contractors)
NORTH ADAMS—*Whitney Chas. E.
PEABODY—Joy Leander F. (Cut Contractor)
SALEM—Curtis Chas. E. & Son (Cut Stone)
O'Rourke Bros. (Cut Stone),
SOMERVILLE—McCarthy Wm. J. Co.
SPRINGFIELD—Casey & Broderick, 523 State
Cook Wm. F. Supply Co., 184 State
§Falt J. P. Co. (Red Sandstone, Cut Contractors), 33 Lynn
McGregory & Casman, 531 Main
§Marra Owen (Brown Sandstone Cut Contractors), 293 Bridge
§Stone A. D. & Co. (Light Brown Sandstone)
STONEHAM—Bennett Perry & Sons
TAUNTON—Sullivan John B. & Son (Cut Stone)
WALTHAM—*Waltham Trap Rock Co.
WEBSTER—Love J. P. (Cut Contractors)
WESTFIELD—*Westfield Marble & Sandstone Co.
WORCESTER—*Webb Granite & Construction Co. (Cut Contractors)

## MICHIGAN.

ALPENA—*Collins Phelps
BATTLE CREEK—McNaughton Angus J. (Cut Stone)
BAY CITY—Bate A. & Son (Cut Contractors)
§Bay City Stone Co. (Cut Contractors)
Wright G. A. (Cut Stone)
BAY PORT—*Wallace Stone Co.
DETROIT—Batchelder-Wasmund Co. (Cut Stone), 716 W Jefferson
Beebe Henry A. (Cut Stone), 1116 Wabash
Calvert's J. Sons (Building), McGraw bldg
Christa Marble Co., 1625 St. Aubin
*Dunbar Stone Co., River Rouge
Gearing Bros. Co. (Ltd.), (Stoneyard), Penobscot bldg
Little Chas. H. Co. (Crushed & Building), Dock River Rouge
Meier Hubert A. (Cut Stone), 525 Bellevue
Ortman F. C. (Cut Stone), 1099 Wabash
Piggins Wm. S. Sons (Cut Stone & Steam Stone Works)
Rankin Wm. (Cut Stone), 286 Commonwealth
Robertson R. & Co. (Cut Stone), Amsterdam & 3d
Sibley F. M. Lumber Co., Kercheval & Beaufait
*Solvay Process Co. (Limestone) (Works, Sibley, Mich.), Debray
Stefani Angelo (Curb Stone, etc.)
DOWAGIAC—Rutherford I. (Cut Contractor)
FLINT—Barney M. C. & Son (Cut Stone)
GRAND RAPIDS—Hirth F. H.
Schmidt Matthew (Cut Contractors)
GRINDSTONE CITY—§Cleveland Stone Co.
HOUGHTON—*Portage Entry Redstone Co. (Ltd.)
KALAMAZOO—Winslow Edw. L. (Cut Contractors)
LOWELL—Hamilton Joseph H. (Est. of)
MANISTEE—Forth W. J. (Cut Stone)
MENOMINEE—Nowack F. C.
MUSKEGON—Bauer & Beamer
PORT HURON—Truesdell Marble & Granite Co.
SAGINAW—Hobson & Co. (Cut Contractors)
Mohr John F. (Cut Contractors)

## MINNESOTA.

DULUTH—Duluth Crushed Stone Co. (Cut Stone)
*Duluth Crushed Stone Co. (Crushed, etc)

MINNESOTA—continued
KASOTA—*Babcock & Willcox (Rough, Sawed, Planed & Cut)
*Kasota Marble & Tile Co.
MANKATO—Coughlan T. R. Co.
Ekle A. R.
*Fowler & Pay
Meyer A. G. & Son
*Nelson J. B. Construction Co.
*Widell Co.
MANTORVILLE—*Mantorville Stone Co. (Bridge & Heavy Dimension)
MINNEAPOLIS—Anderson G. A. & Co. (Cut Stone), 16th av S E & Elm
*Blue Limestone Co., B'way & K N W
Hastings Cut Stone Co. (Cut Contractors), Main c 7th av S E
Jones & Hartley (Cut Contractors), 829 S 17th av
*Kettle River Co. (Building, Curbing, Bridge, Paving, etc.), Plymouth bldg
McLeod J. A. 207 N E 2d
*Minnesota Crushed Stone Co., 1500 Johnson N E
RED WING—*Lillybad, Gust. (Limestone)
ST. CLOUD—(See Granite Producers, Workers & Dealers)
ST. PAUL—Lauer Bros. (Contractors), ft. of Chestnut
Peterson P. N. Granite Co., Park av & Wabasha
Portland Stone Co., Metropolitan Life bldg
*St. Paul Crushed Stone Co. (Crushed) Stewart & Victoria
St. Paul Stone Co., 868 W Minnehaha
*Ulmer Wm. H. Co. (Cut Contractor), ft of Chestnut
Young C. H. Co. (Cut Contractors), 653 Rice
Young Jas. A. & Sons (Cut Contractors), Dakota bldg
SANDSTONE—*Kettle River Co. (Building, Bridge Paving, etc)
WINONA—*Biesanz Stone Co. (Cut & Rough)

## MISSOURI.

BETHANY—Kenyon & Stanley (Cut Stone)
BOONVILLE—Merrifield J. E. (Cut Contractors)
BUTLER—*Day T. J.
CARTHAGE—*Carthage Marble & White Lime Co. (Limestone & Saw Mill)
*Carthage Quarry Co. (Limestone & Saw Mill)
*Carthage Stone Co. (Limestone & Saw Mill)
*Carthage Superior Marble & Limestone Co. (Cut Contractors)
*Kellogg Marble Co.
*Spring River Stone Co.
COLUMBIA—Farley Ed. & Son (Cut Stone)
ELSBERRY—*Crystal Carbonate Lime Co.
HANNIBAL—*Hannibal Lime Co. (White Limestone)
*Star Lime Co. (Limestone)
JEFFERSON CITY—Vetter Frank J. (Cut Stone)
KANSAS CITY—Bremer Cut Stone Co. (Cut Contractors), 3100 Roanoke rd
Carthage Stone Yard, N W cor 16th & Askew av
Forrester Bros. Stone Co. (Cut Contractors), 35th & Roanoke blvd
King Alex Stone Co. of Kansas
Lyle Rock Co.
Phenix Marble Co. (Cut Contractors), 19th & Olive
Sutermeister Arnold Stone Co. (Cut Contractor) 2018 Roost av
LOUISIANA—*Crystal Carbonate Lime Co.
ST. JOSEPH—Abercrombie Stone Co. (Cut Stone)
Maier Sebastian (Cut Stone)
*Pfeiffer Stone Co. (Cut Contractors)
*St. Joseph Rock Crusher Co. (Crushed Stone)
*Young Bros. Construction Co. (Crushed Stone)
ST. LOUIS—*Algonite Stone Mfg. Co., 4606 Chippewa
*Bambrick Bros. Const. Co., 5229 St. Louis av
*Brockschmitt Quarry & Construction Co., 6509 Manchester av
*Carthage Marble & White Lime Co., Chouteau & Vendeventer avs
*Carthage Stone Co. (Cut Stone), 35th & Pakin
*Columbia Quarry Co. (Limestone), Fullerton bldg
Eyermann G. & Bros., 1216 S Grand av
*Fruin-Bambrick Const. Co., 800 S Spring av
*Grafton Quarry Co. (Sandstone), Wright bldg
*Hanick Quarry & Const Co., Euclid & Ashland av
*Heman Construction Co., Title Guarantee Trust bldg
*Mo. Valley Const. Co., 3d Nat. Bank bldg. Quarries: Alton, Ill.
*Perkinson Bros. Const. Co., 3237 Caster av
Pickel Marble & Granite Co. (Cut Contractors), 1901 N B'way
Pickel Stone Co. (Cut Stone), 1320 S Vandeventer av
Reitz Bros. Stone Co. (Cut Stone), 3007 Arsenal
*Ruecking Cons. Co., Marine av & Gasconade
St. Louis Cut Stone Co. (Cut Contractors), 3535 Gratiot
*Sinclair Quarry & Cons. Co., Syndicate Trust bldg
*Skrainka Construction Co. (Limestone), Security bldg
Thym Cut Stone Co. (Cut Stone), Brannon av & Odell
*Tower Grove Quarry & Const. Co., 5927 Fyler av
*Union Quarry & Const. Co., 4687 Nat'l Bdge rd
WARRENBURG—*Pickel Benjamin

## NEBRASKA.

BLUE SPRINGS — *Davis Geo. H. (Crushed, etc)
GRAND ISLAND—Paine-Fishburn Granite Co. (Cut Stone)
Scheffel & Son (Cut Stone)
LINCOLN—Forburger Stone Co. (Cut Contractors)
Speidell C. E. & Son (Cut Stone)
OMAHA—Bloom J. F. & Co. (Cut Stone)
*Murphy Hugh Construction Co. (Red Sand), Bee bldg
Nebraska Stone Co. (Cut Contractors)
Schall A. & Co. (Cut Contractors)

## NEW HAMPSHIRE.

CLAREMONT—Messer Richard (Cut Contractor)
CONCORD — (See Granite Producers, Workers & Dealers)
MANCHESTER—(See Granite Producers, Workers & Dealers)
MARLBOROUGH—*Webb Granite & Construction Co. (Cut Contractors)
MILFORD—(See Granite Producers, Workers & Dealers)
WEST CONCORD—(See Concord Granite Producers, Workers & Dealers)

## NEW JERSEY.

ASBURY PARK—Rothfritz R. E. K. (Blue)
ATLANTIC CITY—Balestrieri R. & Co. (Cut Contractor)
New Jersey Stone & Tile Co. (Cut Contractors)
BAYONNE—Brady's Jas. Sons Co.
BELLEVILLE—Tuorto Cut Stone Co. (Cut Contractors)
BRIDGETON—Platt Clarence B. (Cut Stone)
Shaw Wm. R. (Cut Stone)
CHANGEWATER—*Castner J. P.
EAST ORANGE—Mayer Bez Stone Co.
ELIZABETH—Clark A. L. Stone Co. (Blue)
McGhee's Geo. Sons
ENGLEWOOD—Prentice Co. (Blue Stone, Crushed, etc)
Thompson Jos. & Son (Cut Contractors)
HACKENSACK—Long F. R., N. G. Broadhurst Co.
HARRISON—Durie & Davison (Cut Stone)
Spurr J. J. & Sons (Cut Contractors)
HASKELL—*Haskell Quarry Co.
HOBOKEN—Barr, Thaw & Fraser Co (Cut Contractors)
Hoboken Bluestone Co. (Blue)
IRVINGTON—Backus Albert & Co. (Cut Stone)
JERSEY CITY—*Delaware River Quarry & Construction Co. (Crushed, Ballast, etc), 390 George
Muirhead Robt. (Blue), 76 Montgomery
Standard Blue Stone Co., 76 Montgomery
LAMBERTVILLE — *Delaware River Quarry & Construction Co. (See Jersey City)
LITTLE FALLS—*Ferguson's Wm. A. Sons (Crushed, etc)
MONTCLAIR—Wood Thomas (Blue, etc)
MORRISTOWN—Ennis C. W. & Co. (Blue, etc)
*Morris County Crushed Stone Co.
*New Jersey Trap Rock Co.
*North Jersey Quarry Co.
*Paterson Crushed Stone Co.
NEWARK—Boyle Thos. (Contractor), 174 Riverside av
Brown Geo. & Co. (Cut Stone Contractors), 370 Belleville av
Gerber A. F. Stone Co. (Blue), 153 Ridgwood av
Hoerner H. J. & Sons (Cut Stone Contractors), Lister av
Monahan Stone Co. (Dealers), Plum Point la
Newark Blue Stone Co. (Blue), 120 Passaic
Reilly J. E. Stone Co. 10 Riverside av
Rome Stone Cutting Co. (Cut Stone Contractors), 17 Grafton av
Schreitmueller Stone Co., 174 Wavly pl
Snyder Frank W. Contracting Co. (Flagging), 372 Grove
Woodward A. H. Co. (Blue & Cut), 128 Passaic
Young R. & Sons (Cut Stone Contractors), 25 Grafton av
NEW BRUNSWICK—*Edge Hill Silica Rock Co.
NEWTON—Hopkins S. H.
ORANGE—§Spottiswoode-Cusack Co.
PASSAIC—Diamond Stone Co.
PATERSON—McKiernan & Bergin Co., (Crushed, Paving & Building), 1st Nat'l Bank bldg
*Paterson Crushed Stone Co.
PERTH AMBOY—Satter H. & Son (Blue Stone, Cut Stone, Flagging), 219 Gordon
Williams David J. (Stoneyard)
PHILLIPSBURG—Martin Adam (Bluestone)
PLAINFIELD—Bartle Bros. (Building)
Lannon John (Blue)
Manning L. L. & Son
Smalley Stone Co. (Crushed)
Watchung Stone Co. (Stoneyard)
RAVENROCK—*Ledger Jno.
ROCKY HILL—*Delaware River Quarry & Const. Co. (Crushed & Paving Blocks)
SCOTCH PLAINS — *Fanwood Stone Crushing & Quarry Co. (Crushed Stone)
SOMERVILLE—Sargeant Bros. (Flagging)
STOCKTON—*Twining S. B. & Co.
TRENTON—Hutchinson Samuel R.
McDonald Alex. Co.
*Richardson Jos. B. & Sons (Dealers)
Richardson P. B.
Swayze H. M., 26 S Stockton
WEST NEW YORK—Effert & Gerisch (Blue Stone)
WOODBURY—Snelbaker W. B.

## NEW YORK.

AKRON—*General Crushed Stone Co. (Crushed)
ALBANY—Ross Adam Cut Stone Co (Cut Contractor), 1003 B'way
ALBION—*Albion Medina Stone Co.
*Orleans County Quarry Co.
*Reed Allen & Reed
*Ryan M. A.
Vincent Stone Co.
AMSTERDAM—Hennessey Wm. E.
AUBURN—*Goodrich C. E.
BIGELOW—*Williams Chas. & Co. (Limestone & Flux)
BINGHAMTON—Ingalls Stone Co. (Cut Contractors, Steam Cut Stone Works)
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—*Appenheimer Jno. L., 75 Appenheimer av
*Barber Asphalt Paving Co. (Crushed, Building & Dimension), E Delavan av & Belt Line
*Buffalo Cement Co. (Ltd.) (Cut, Crushed, etc), 110 Franklin
*Buffalo Crushed Stone Co. (Crushed, etc), Ellicott sq

Carroll Bros. (Limestone), Ellcott sq
*Empire Limestone Co., 19 Hudson
Frontier Stone Co., 1003 Fillmore av
*Gehres Anna, 1968 Fillmore av
*Kehr A. P. Co. (Cut Stone, etc)
*McDonnell & Sons (Cut Stone), 858 Main
Maltby Geo. W. & Sons Co. (Cut Stone), 21 Maryland
Reeb M. A. Corp., 599 Michigan av
*Rupp John J., 2135 Fillmore av
Star Cut Stone Co., Persons & W Shore R. R.

CATSKILL—*Holdridge Geo. W. & Co.
CHAUMONT—*Adams & Duford Co. (Crushed & Limestone)
DUNKIRK—Lake City Stone Co.
ELMIRA—Yenger B. (Cut Contractor)
GLOVERSVILLE—Hunter & Son (Cut Stone)
GOUVERNEUR—(See Marble Producers)
HALE EDDY—*Travis Stone Co. (Blue Stone)
HANCOCK—*Cotter E. J.
*Kirkpatrick Bros.
*Randall W. I.
HANKINS—*Manny Anthony & Co. (Blue)
HOLLEY—*Orleans Sand Stone Co. (Office, Syracuse)
HUDSON—Hoctor P. & Son (Cut Stone)
HULBERTON—*Ford A. H.
*Squires A. J.
*Vincent Stone Co.
ITHACA—Storms J. B. (Cut Stone)
JAMESTOWN—*Jamestown Shale Paving Brick Co.
KINGSTON—Hudson River Blue Stone Co. (Blue)
LE ROY—*General Crushed Stone Co. (Office, Easton, Pa.)
*Heimlich John
LOCKPORT—Bendinger Louis
Stainthorpe C. N. & Co. (Building)
*Whitmore C. B. Co. (Sandstone)
LONG EDDY—*Kenney Bros. (Bluestone)
*Peak Cyrus (Bluestone)
LONG ISLAND CITY—(See New York City, Borough of Queens)
MIDDLETOWN—Wagar David P. (Blue)
MOUNT KISCO—Gorham D. F.
NARROWSBURG—*Partridge Jere (Bluestone)
NEW BALTIMORE—*McCabe Edward
NEW BRIGHTON—(See New York City, Borough of Richmond)
NEWBURGH—Crawford Wm. (Est. of) (Blue & Free Stone)
Dwyer M. J. (Blue & Flagging)
Harrison & Curtis (Dimension)
§Miller D. C. (Crushed & Building)
NEW PALTZ—*Hasbrouck J. J. & Co. (Buhr Stones)
NEW ROCHELLE—Mahlstedt J. A. Lumber & Coal Co.
New Rochelle Coal & Lumber Co. (Flagging, etc)
NORWICH—*Clarke-Conroy Co. (N. R. Blue)

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Baird A. D. & Sons (Cut Contractors), 667 Wythe av
Bannon P. & Sons (Crushed), 129 Richards
Burns John & Son (Blue), 156 7th
Cohn Cut Stone Co. (Cut Contractors), 38th & 14th av
Curran Bros. & Murphy (Cut Contractors), 305 Douglas
Evergreen Stone Works (Breitenbach & Ruppenstein Props.)
Gould & Taylor Cut Stone Co. (Cut Contractors), 312 3d av
Harnden Jas. H. Co. (Blue), 991 Grand
Heinlein John Cut Stone Co. (Cut Contractor), 555 President
Hickey M. F. Co. (Crushed), 83 9th
Kenny Wm. F. & Co. (Blue), 347 Columbia
McLaren & Sons (Cut Contrctors,) Court & Bay
Parker Thos. Co. (Cut Contractor), 1259 Flushing av
Pilzer Elias M. (Cut Contractor), Watkins
Rankin & Ross Co. (Cut Contractors), 372 Carroll
Ross Wm. S. (Cut Contractor), 254 Douglass
Ryan N. Co. (Blue), 491 Smith
Steinberg Steam Cut Stone Co. (Cut Contractors), 596 Rockaway av
Trudden M. (Blue), 109 Van Sindren av

### Boroughs of Manhattan and Bronx.

NEW YORK—Annett Bros. (Stone Yard), 6 W 141st
Bellows Chas. H. Cut Stone Co., 233 B'way
Brady Jas. B. Co. (Crushed), 525 E 118th
Bronx Cut Stone Co., 4177 3d av
Brown Geo. & Co. (Cut), 286 5th av
Cardo Bros. & Co. (Stone Yard), 3167 E Tremont av
*Clinton Point Stone Co. (Crushed Stone, etc), 17 Battery pl
Cohen Michael & Co. (Freestone, etc), 8 W 40th
Conlon Jas. W. (Blue Stone), Av A & 68th
Dix Chas. H. (Freestone), 52 B'way
Doyle Geo. & Co. (Indiana Limestone), 103 Park av
Erie Blue Stone Association, 341 5th av
Finney C. H. & Sons (Stone Contractors), 139 W 53d
Gillings Peter Co. (Blue Stone), 737 E 219th
Hanlein Henry & Son (Cut Contractors), 417 E 103d
Hutchinson John & Sons (Cut Contractors), 2383 1st av
†Indiana Quarries Co. (Blue & Buff, Oolitic, Ind. Limestone), 280 Madison av. Quarries & Mills: Bedford, Ind.
La Spina Peter Co. (Cut Stone), 2 Canal pl
Lenahan J. B. (Cut Contractors), 293 Rider av
Leopold J. & Co. (Crushed Stone, Granite, etc), 233 B'way
Lockwood David T. (Blue Stone), 280 B'way
Lodge Martin P. (Blue, Contractor), 532 W 44th
McCarthy Jas. (Stone Yard), 439 W 47th
Marine Arlando (Wholesale Dealers in Blue Stone), 5 E 42d
Maxwell's Jno. Sons (Blue Stone, Wholesale), 51 Chambers
Miller David (Stone Works), 315 E 103d
Moran D. W. (Blue Stone), 270 Burnside av
Murray Jos. & Co. (Crushed), 263 Ave C
Nevins Edw. J. (Blue Stone), 638 W 51st
New York Cut Stone Co. (Cut Contractors), Walnut av & 133d
Norcross Bros. Co. (Quarrymen & General Contractors in Granite, Marble & Stone; Large Structures a Specialty), 103 Park av
Pagano Jerome (Blue Stone), 2642 Park av
Penney & Bunt (Stone Yard), 132d & Willow av
*Rockland Lake Trap Rock Co., 17 Battery pl
Seus Rudolf (Cut Contractor), 406 E 109th
Smith Jno. R. (Cut Contractor), 421 E 103d
Symmers Jno. H. (Crushed & Cut), S Blvd & 141st
Tompkins Kiel Marble Co., 505 5th av
Williams B. A. & G. N. (Cut Contractors), Walnut av & 133d
Young Jas. H. Stone Co. (Cut Contractors), Walnut av & 135th

### Borough of Queens.

EVERGREEN—Evergreen Steam Stone Works (Breitenbach & Ruppenstein, Props.)
FAR ROCKAWAY—Mills Elmer D. (Cut Contractor)
LONG ISLAND CITY—Bradley Wm. & Son (Cut Contractors), Vernon av
Brown Geo. & Co. (Cut Stone), Blvd
Call Geo. & Co. (Cut Contractors)
Gillies Jas. & Sons (Cut Contractors), 177 13th
McWhirter W. H. Co. (Cut Contractors, 82 Woolsey
Morrison David G. (Cut Contractor), 373 Vernon av
Shuttleworth Edwin Co. (Cut Contractors), Vernon av
Williams R. A. & G. N. (Cut Contractors), Mill & Orchard, Astoria

### Borough of Richmond.

(End of New York City)

OLEAN—Foley Bros. Co. (Cut Stone)
ONEONTA—Dauley & Wright (Cut Stone)
PEEKSKILL—*Peekskill Stone Co.
PHOENICIA—*McGrath Jno. L. (Blue Stone)
PORTAGEVILLE—*Portageville Bluestone Co.
PORT JERVIS—Bennet Jno. E. (Cut Stone)
Nearpass E. E.
POTSDAM—†Potsdam Red Sandstone Co. (Sandstone)
POUGHKEEPSIE—Joy Walter A.
Seamon Thomas H. (Blue Stone)
ROCHESTER—Carson Wm. & C. H. (Cut Contractors)
Oliver Horace T. (Cut Contractor), 328 South av
*Whitmore, Rauber & Vicinus (Cut Contractors)
ROME—Prossner S. & Sons
RONDOUT—(See Kingston)
ROSCOE—*Reynolds W. J. (Blue Stone)
SAUGERTIES—*Maxwell's Jno. Sons (Blue) (Office, Phila., Pa.)
SCHENECTADY—Crane-Vreeder Co.
Kellam & Shaffer Co. (Cut Contractors)
SCHOHARIE—*Mix Stone Co. (Blue & Grey Limestone)
SYRACUSE—Arnold Conrad, 1207 Orange
*Orleans Sand Stone Co.
Solvay Process Co. (Limestone)
Thomas Chas., 1103 S State
TARRYTOWN—Dinkel & Jewell Co. (Blue & Building)
TOMKINS COVE—*Tomkins Cove Stone Co. (Crushed, etc.)
TROY—Grant Chas. M. (Freestone)
Young Wm. H., Jr. (Cut Stone)
Young's Sons & Co. (Cut Stone)
UTICA—*Conley Frank E. Stone Co. (Blue & Crushed)
Fuller's Electric Stone Works
McNierney Bros. (Flagging & Cut Contractors)
VOORHEESVILLE — *Cummings Bros. (Blue)
WALTON — *Connor Martha L. (Blue Stone)
Shaw Herbert (Blue Stone)
WARSAW—*American Blue Stone Co. ("Genesee Valley")
WATERLOO—*Thomas G. C. & Bros.
YONKERS—Corkery Jno. J. (Blue)
Kellock Jas. A. Cut Stone Co.

## NORTH CAROLINA.

CHARLOTTE—Ward W. W. & Son (Dealers)
MOUNT AIRY—(See Granite Producers)
WINSTON-SALEM—*Bennett Bros.

## OHIO.

ADA—Tressel Jas. G.
ALLENTOWN—(P. O. Address Elida, O.) Long, T. C.
AMHERST—*Amherst Cut Stone Co.
Blum & Dilbridge (Cut Stone Contractors)
Ohio Quarries Co. (Buff & Blue Ohio Sandstone, Sawed Stone a Specialty)
ASHTABULA—Smith Wm. & Son Co., (Stone, Cut)
BEACH CITY—*Winfield Bros. & Co.
BELLEFONTAINE—Paterson Monumental Works (Cut Stone)
BELLEVUE—*Higgins Stone Co.
Patterson Monumental Works
BEREA—*Middleburg Stone Co. Office, Elyria, O.
BERLIN HEIGHTS—*Baillie Stone Co.
BLOOMVILLE—*France Co.
BLUFFTON—Bluffton Stone Co. (Office, Lima, O.)
BUCYRUS—*Broken Sword Stone Co.
CAMBRIDGE—Pyles Thos. (Flagging)
CANTON—Bauhaf Bros. (Cut Stone)
Lang E. D. (Cut Stone)
CAREY—*National Lime & Stone Co. (Limestone)
CARROLLTON—*Marshall Jesse
CINCINNATI—*Bauer Jno. G., 1 Quebec rd, nr Price Hill
Buckeye Marble Co. (Cut Contractors), 12 E. 3d
Buente Louis C. (Stone Yard), 3656 Spring Grove av, Cum.
Cincinnati Crushed Stone & Gravel Co., Union Central bldg

OHIO—Cincinnati—continued
Giese Frank, Viaduct & Big 4
Hall Thos. J., 450 E Pearl
Hummel David Building Co. (Cut Contractors), 2629 Spring Grove av
Kentucky Freestone Co., 2629 Spring Grove av
*Kentucky-Rockcastle Stone Co., Merchants' bldg
*Kirchner Construction Co., 221 W 9th
Lang C. & Son, Vine & Ehrman av, Avon
Mersch Frank & Sons, 1037 Wade
Miami Stone & Gravel Co., Union Cent. bldg
Moores-Coney Co. (Limestone), St. Paul bldg
Nagele Anton, 2168 Western av
Pielage Henry & Co. (Freestone & Limestone), 1032 Flint
Raff Allan Ross & Co., Greenwood bldg.
Spinks T. W. Co., 22 W 8th
*Spitzmiller Jos., 2192 Shadwell
*Spitzmiller L., 2197 Clara
World's Fair Wrecking Co. (Freestone, etc), 1559 Gest
CLEVELAND—*Amherst Stone Quarries Co.
Baillie Stone Co., The Arcade
Blum & Delbridge (Cut Contractors), Bittern av & E 73d
Brook John (Cut Contractors), 2169 E 28th
*Burgess C. H., Euclid Quarries
*Caine Stone Co. (Sandstone), Warner rd & C & P Ry
Carabelli Jos. Monumental Works (Cut Stone), 12317 Euclid av
*Cleveland Stone Co. (Sandstone, Blue, Buff, etc), 1836 Euclid av
*Columbia Stone Co. (Sandstone), Soc. for Sav. bldg
Dolomite Products Co. (Limestone) 1110 Euclid av
*Euclid Stone & Brick Co., ("Euclid" Steps, Sills, Block, Flagging, etc)
*Grafton Stone Co., Hickox bldg
*Kelley Island Lime & Transport Co. (Limestone), Leader News bldg
*Malone Stone Co. (Sandstone, Blue, Buff, etc), Union bldg
*Maxwell-Rolf Stone Co., Williamson bldg
Ohio Quarries Co. (Ohio Sandstone, Sawed Stone & Specialty), Citizens' bldg. Quarries & Mills: Amherst, O.
*Rackle Geo. & Sons Co., A B C Line
*Spence Bros. (Crushed Limestone & Trap Rock)
Wenner F. L., 1335 W 116th
CLOVERDALE—Blosser John S.
COLUMBUS—*Capital Lime Stone Co.
*Casparis Stone Co. (Cut & Crushed), Clinton bldg
*Columbus Macadam Co., 319 Dublin av
*Fish Stone Co. (Cut Contractors), Main West of Canal
Klentz John (Cut Stone), 464 W State
Lang E. & C. (Cut Contractors)
Mueller H. W. (Dealer)
CONSTITUTION—Constitution Stone Co. (Sandstone & Grindstones)
CONVOY—*Carey J. B.
COVINGTON—*Jackson Stone Co.
Ruhl J. W.
DELAWARE—*Scioto Lime & Stone Co.
DELPHOS—*Fisher Aaron (Building & Crushed)
EIFORT—*Morgan & Horton (Limestone)
ELYRIA—*Middleburg Stone Co.
FINDLAY—*Hancock Stone Co. (Crushed, etc)
Smith A. M. (Cut Stone)
*Tarbox & McCall (Limestone, Crushed, etc)
FORT JENNINGS—*Fort Jennings Stone Co.
FREMONT—*Gottron Bros. Co. (Limestone)
*Swint Bros. Stone Co.
FULTON—*Fulton Stone Co.
GREENFIELD—*Rucker Quarries (Limestone)
HAMILTON—Stewart F. P. Granite Co. (Cut Contractors)
INDEPENDENCE—*Faudel Henry J.
IRONTON—Wileman & Heibling
KELLEYS ISLAND—Kelley Island Lime & Transport Co.
KENTON—Kenton Marble & Granite Co. (Cut Stone)
LAFAYETTE—*Watt Bros.
LEETONIA—*Shenango Limestone Co. (Limestone)
LEWISBURG—*Lewisburg Stone Co.
LIMA—*Bluffton Stone Co.
*Interstate Stone Co.
*Lewisburg Stone Co.
*Lima Cut Stone Co.
LOWELLVILLE—*Carbon Limestone Co. (Branch of Youngstown, O.)
LYKENS—Harer G. V. & Co.
McDERMOTT—*McDermott Stone Co. (Blue & Buff Sandstone, Sawed or in the Block)
*Waller Bros. Stone Co.
MADISONVILLE—Julien Jas. (Cut Contractor)
MANSFIELD—Fraser Granite Co. (Dealers)
Wolff, E. M. & Co.
MAPLE GROVE—Dolomite Products Co. (See Cleveland)
MARBLE CLIFF—*Casparis Stone Co. (See Columbus, O.)
MARIETTA—McLaren & Wommer (Cut Stone)
*Marietta Stone Co.
MARION—*Evans John Stone & Lime Co.
*Hamilton J. M.
Hinamon D. M.
*Ohio & Western Lime Co. Office, Huntington, Ind.
MASSILLON—*Massillon Sand & Stone Co. (Sandstone)
*Massillon Stone & Fire Brick Co.
Heinhart Jno. & Son (Contractors)
Sonnhalter Sand & Stone Co.
MIDDLEPOINT—*Erie Stone Co.
NEW PARIS—*Reinheimer Quarries Co.
NEW PHILADELPHIA—Beiter Jos. (Cut Stone)
PANDORA—*Schumacher Stone Co.
PATTERSON—*Herzog Jno. & Son (Building)
PIQUA—*Ohio Marble Co.
PORTSMOUTH—*Bodmer A. W.
SANDUSKY—*Butler Stone Co.
SPRINGFIELD—*Houlton Samuel P., Lagonda Creek
*Jenkins John W. (Limestone)
*Mills Bros. (Building, Bridge, Flagging, etc)
*Rubsam W. A.
STEUBENVILLE—*La Belle Iron Works (Limestone, all Consumed by the Company)
Steubenville Stone Co.
SYLVANIA—*Sylvania Stone Co. (Crushed, etc) (Office, Toledo, O.)
TIFFIN—Weott Lime & Stone Co.
TOLEDO—Eckhardt Monumental Co. (Cut Stone)
*Erie Stone Co.
*France Stone Co., 2d National Bank bldg
Knopp Bros Co. (Cut Contractors)
Lloyd Bros. Co., W Central & Auburn avs
Neukom Albert Cut Stone Co. (Cut Contractor), 140 Ottawa
Peck C. & Son (Contractors)
*Stony Ridge Stone Co. (Crushed)
*Sylvania Stone Co. (Crushed, etc)
*Toledo Stone & Glass Sand Co., Ohio bldg
*Whitehouse Stone Co.
URBANA—Heatherman Patrick (Contractor)
VAN WERT—*Big Four Crushed Stone Co. (Crushed)
Erie Stone Co. (Crushed, etc)
*France Co.
WARREN—Trumbull Stone & Sand Co.
WASHINGTON, C. H.—Burke P. J. Monumental Works (Cut Stone)
WATERVILLE—*France Stone Co.
WHITE HOUSE—*Whitehouse Stone Co.
YOUNGSTOWN—*Bessemer Limestone Co. (Limestone)
Campbell Bros. Co. (Dealers)
*Carbon Limestone Co.
*Interstate Limestone Co.
*Lake Erie Limestone Co.
*Republic Iron & Steel Co. (Limestone, all Consumed by the Company)
*See Branch Offices Alphabetical Section.*
*Union Limestone Co.
ZANESVILLE—Cary F. S. & Co. (Cut Stone)

## OKLAHOMA.

ARBUCKLE—*Dolese Bros. Co. (See Chicago)
RICHARDS—*Dolese Bros. Co. (See Chicago, Ill.)

## OREGON.

PORTLAND—St. Helens Quarry Co. (Building Stone, etc) Blake-McFall bldg

## PENNSYLVANIA.

ALLENTOWN—Kline & Sacks (Cut Contractors)
Romig & Bear (Cut Stone)
Shoemaker G. W. & Co. (Cut Stone)
ALTOONA—Bell-Bockel Co.
McGinley Cut Stone Co. (Cut Stone)
Vipond John S. (Cut & Flagging)
ANNVILLE—*Annville Stone Co.
*Calcite Quarry Co.
*Millard H. E.
AVONDALE—*Williamson Frank & Co.
BECHTELSVILLE—Hoffman, Oliver D & Son
BETHAYRES—*Jarrett F. H.
BIRDSBORO—*Birdsboro Stone Co. (See Phila., Pa.)
*Dyer John T. Quarry Co.
*Schuykill Stone Co. (Building, Bridge, etc)
BITTINGER—*Steacy & Wilton Co. (Limestone)
BLAIRSVILLE—Murray C. F. & Son
BRIDGEPORT—*Tyson Jacob L.
BRISTOL—Bannister Marble & Granite Works (Flag & Building Stone Cutter)
BURMONT—*Maher Philip & Son
BUTLER—Hobaugh & Weiner
*Schaffner Geo.
CANOE CREEK—*Blair Limestone Co. (Limestone) (See Pittsburgh, Pa.)
CARNEGIE—Carnegie Brick & Stone Co.
Fort Pitt Stone & Brick Co.
CHESTER—Burns D. H. (Blue)
*Chester Stone Co.
*Hanna Stone Co.
*Leiper Callender I.
*Leiper Mrs. Eliza
*Miller Alexander
CONNELLSVILLE—Palmer Bros. (Cut Stone)
CONSHOHOCKEN—*Conshohocken Stone Quarry
Daly Michael
*Derr Walter (Ivy Rock)
O'Neill Stone Co.
DANVILLE—Evans T. L. Sons (Cut Contractors)
EARLSTON (P. O. Everett, Pa.)—*Thropp Joseph E. (All Limestone for Blast Furnace Use)
EASTON—General Crushed Stone Co. (Inc.) (Crushed R. R. Ballast, etc.)
Howell's D. J. Sons (Cut Stone)
Kelly Patrick & Son (Blue)
EDGEHILL—*Comly Frank T
*Edge Hill Silica Rock Co.
ELLWOOD CITY—*Clydesdale Brick & Stone Co.
Consolidated Stone & Mining Co.
Ellwood Stone Co.
EPHRATA—Bolster Bros. Cut Stone)
FRANKSTOWN—American Lime & Stone Co.
GREEN LANE—*Davis Trap Rock Quarry Co.
*Perkiomen Crushed Stone Co. (Crushed, etc)
GREENSBURG—Unity Sand & Stone Co.
GREENVILLE—*Greenville Silica Co.
GROVE CITY—Robert J. Breckenridge Stone Co.
HANOVER—Meyers Emanuel B. (Limestone)
HARRISBURG—Black Jno. (Cut Contractor)
HAZLETON—*Kehoe & Co.
HOLLIDAYSBURG—§Baldridge E. R. & Co. (Limestone)
HOMESTEAD—Erbeck F. J. (Cut Contractor)
JOHNSTOWN—Bader & Huebner
*Cambria Steel Co. (Limestone, all consumed by the Company) Main Office: Philadelphia, Pa.
Rowena Stone & Sand Co.
Schenkemeyer Chas. & Sons
Somerset Stone Co.
KING OF PRUSSIA—*Schweyer Hy. A. Co.
KUTZTOWN—*Kutztown Lime & Crushed Stone Co. (Crushed)
LANCASTER—*Betz Jacob
Haldy Marble & Granite Works
Heidig John B.
Hook John H
Lancaster Cut Stone Co.
Moedinger's Jno. M. Sons
Penna. Stone, Cement & Supply Co.

LEBANON—•Hauck A. B.
•Lebanon Stone Co.
•Maillard J. B. & Son
•Mount Gretna Brownstone Co.
McKEESPORT—Bowman Bros. Co. (Freestone)
Winters Edwin (Cut & Flagging)
McKEES ROCKS—Petty Wm.
MERCER—Robinson N. T. (Flagging)
MESHOPPEN—•Ridgway B. & Son (Penns Blue)
MORTON—•Hill W. V.
MYERSTOWN — •Calcite Quarry Co. (Limestone. (See Annville, Pa.)
•Ebling John D.
•Millard J. B. & Son. (See Lebanon, Pa.)
NAGINEY — •National Limestone Co. (Limestone)
NEW CASTLE—•Beaver Valley Sandstone Co.
•Great Northern Sand & Stone Co.
•Johnson Geo. W. Limestone Co (Limestone)
•Lawrence Limestone Co.
•Mahoning Limestone Co.
•National Stone Co.
•New Castle Limestone & Clay Co
•Pittsburg Limstone Co.
•Rose Point Stone & Lime Co
•Shenango Limestone Co.
NICHOLSON—•Franklin Stone Co.
•Shields Moses Sons (Cut & Sawed)
NORRISTOWN—•Dyer John T. Quarry Co. (Building & Crushed)
Landis William G. (Flagging & Cut)
•Lukens & Yerkes
Sullivan W. M. (Cut, Contractor)
OIL CITY—•Lesher & Roess (Sandstone)
•Pearson Andrew P. (Sandstone)
PALMYRA—•Dietz W. G. (Limestone)
PERKASIE—•Wamsher Harry G.
PHILADELPHIA — Ambler-Davis Co., Harrison bldg
•Birdsboro Stone Co. (Road & Concrete, Crushed, etc), Land Title bldg
Buck & Gallagher (Cut Contractors), 25th & Morris
Cambria Steel Co. (Limestone, all consumed by the Company), Widener bldg
Clark & Co., 1912 N 3rd
Copeland Hugh & Sons (Cut Contractors), Washington & 24th
Costigan Lawrence, Church la & Baynton, Gtn
•Davis Trap Works, Parkway bldg
Delaware River Quarry & Const. Co., Com'l Tr. bldg.
Dodds Jno. A. (Cut Contractors), 2929 Ellsworth
Dolan T. & J., 316 S 24th
Dyer John T. Quarry Co., Harrison bldg
Eastern Marble & Granite Works, 2700 Diamond
France David Co. (Crushed & Building), Tasker st Wharf
Garrett Jas. & Co., 1432 S Penn sq
General Crushed Stone Co., North American bldg
Gray Wm. & Sons Co. (Cut Stone Contractors), 30th, Bel Walnut
Hagan John & Co. (Stone Yard), cor Comly ab Del.
Harrison R. C. & Co., (Wholesale) 3d & Allegheny
Hastings & Morrison (Cut Contractors & c Saw Mills), 1510 Wash'n av
Hauser John, 2333 Ridge av
Holmesburg Granite Co., Commercial Trust bldg
Ireland W. H., 1220 Filbert
Kirkpatrick Bros. (Cut Stone Contractors), 1047 S 23d
Lambertville Stone Quarry Co., 1218 Filbert
Law & Burwell (Cut Contractors), Union & Ogden
•Lukens & Yerkes, St. Girard bldg
Maxwell's Jno. Sons (Blue), 30th, below Spruce
O'Neil Jerry, F. & Wyoming
Peoples Bros. (Building & Crushed), 25th & Callowhill
•Phila & Conshohocken Stone Quarry Co., 418 S 15th
Reilly Thos. (Cut Contractor), 7th & Sedgley
•Richardson & Ross Quarry Co., Penna bldg
•Ridgway B. & Son (Wyoming, Blue, Rough & Cut Work), N 9th & Columbia av
Rutan Jno., 1305 Arch
Ryder & Jenkins, 3637 Woodland av
Shanley J. F. Co. (Heavy Masonry), Commercial Trust bldg
Tyson J. L., 900 Jeff
PHOENIXVILLE—Detwiler Monumental Works (Cut Contractor)
PITTSBURGH—Bachman Adam, 16 S 22d
Blair Limestone Co.
Booth & Flinn (Ltd.), 1942 Forbes av
Brogan Edward (Cut Contractor), 1215 Franklin, N S
•Carnegie Steel Co. (Limestone for Their Own Use), Carnegie bldg. Quarries at Mercer, Pa.
§Cleveland Stone Co., 316 4th av
•Clydesdale Brick & Stone Co., Oliver Bldg
•Clydesdale Stone Co. (Bridge, Rubble, Dimension, etc), Oliver bldg
•Consolidated Stone & Mining Co. (Sand Stone), 307 5th av
Coutts Thos. Co. (Cut Contractors), 3324 Smallman
Craig Stone Co., Oliver bldg
Dallas & Nardulli, 608 Larimer av
Damm Jos., 1403 East
Downey & McDermott, Homewood av & Mt. Vernon
Ellwood Stone Co., House bldg
Fritz Geo., 1213 East N S
Haffner-Veder Cut Stone Co., 1024 Peralta
Happ Louis (Cut Contractor), 1315 Penna av
Knox, Strouss & Bragdon (Cut Contractors), Juniata & Preble
Morrison Bros. Co. (Cut Contractors), 459 South
•Republic Iron & Steel Co. (Limestone, all consumed by the Company), Oliver bldg
•Shenango Limestone Co.
•Walkers Mills Stone & Brick Co., Keenan bldg
Ward J. H. & Sons Co., Park & Nelson
West End Stone & Brick Co., 121 Wabash
Winfield Sand Co. (Limestone), 2d National Bank bldg
Wissner Henry, 1715 Wash'n av N S
Wolf Louis, Berlin
PLYMOUTH MEETING—Cox Lime & Stone Co. (Limestone)
POINT PLEASANT—•Heaney Nicholas L.
PORT KENNEDY—•Erwin Arch. B. (Limestone)
POTTSTOWN—§Nagle Geo. W. (Dimension)
QUAKERTOWN—•Clark Josiah (Flagging)
READING—Faust John K. & Son
Mt. Penn Sand & Stone Works, 518 N 10th
RIDGWAY—•Ridgway Sand & Stone Co.
RIDLEY PARK—•Harper Walter
ST. MARYS—Dippold Fred M. (Cut Stone)
SCHWENKVILLE—Koons Frederick S.
SCRANTON—•Carlucci Nicholas (Cut Contractors)
Ruddy M. J. (Cut Contractor)
•Stipp Peter & Sons (Blue & Yellow)
Sykes Samuel & Son (Cut Contractors)
•White Haven Quarry Co.
SHAMOKIN—Barr Peter
SHARON—McIntyre Wm. & Sons (Cut Stone Contractors)
SOUDERTON—•Progressive Realty Co.
SOUTH BETHLEHEM—•Bethlehem Steel Co. (Limestone, All Consumed by the Company)
STEELTON—§Cumbler Geo. W. (Est. of) (Limestone)
Messenger Bros. (Cut Stone)
Penna. Steel Co. (See Phila., Pa.)
TEMPLETON—•Templeton Limestone Co. (Limestone, etc)
TYRONE—§American Lime & Stone Co. (Limestone)
WALKERS MILLS—•Walkers Mills Stone & Brick Co.
WALTONVILLE—•Brown Stone Store Co. (Rough, Sawed & Dressed Building Stone & Cut Contractors)
WAMPUM—•Beaver Valley Sandstone Co. (See New Castle, Pa.)
•Cambrian Limestone Co.
Clydesdale Brick & Stone Co. (See (See Pittsburgh)
•Consolidated Stone & Mining Co. Pittsburgh)
WAYNE—•Johnson Richard H. Co.
•McClellan Wm.
WAYNESBORO—•Decarbonated Lime & Stone Co. (Limestone)
WEST CHESTER—Corcoran Construction Co.
WEST CONSHOHOCKEN—•O'Brien Louis H.
•Phila. & Conshohocken Stone Quarry Co.
WEST GROVE—•Penna. Marble & Granite Co. (Cut Contractors) (See Phila., Pa.)
WILKES-BARRE—Schmidtt's John A. Sons (Laurel River Red)
Stemmer & Geick (Cut Stone)
WILKINSBURG—Holmes Bros.
Iron City Stone & Const. Co. (Cut Contractors)
•New Kensington Stone Co. (Bridge, Curb & Rubble, etc)
WILLIAMSPORT—Carothers A. K.
Gibbons J. E. (Cut Stone)
Steumpfle's David Sons
Susquehanna Stone Co.
YARDLEY—•Eastburn Chas. T.
YORK—•Baker J. E. Co. (Limestone & Lime Mfrs.)
York Cut Stone Co. (Cut Contractors)
§York Valley Lime Co. (Limestone)

## RHODE ISLAND.

EAST PROVIDENCE—•McCormick Jos. (Foundation, Building & Crushed)
NEWPORT—Riggs Geo. H.
PROVIDENCE—Goff Jas. C. Co. (Blue), 31 Point
Manchester & Hudson Co. (North River Blue), 55 Point

## SOUTH CAROLINA.

COLUMBIA—Hyatt F. H.

## SOUTH DAKOTA.

SIOUX FALLS—Ballard & Son (Cut Stone)

## TENNESSEE.

CHATTANOOGA—Chickamauga Quarry & Construction Co.
•Hooker Limestone Co. (Limestone)
Troutt John & Co. (Cut Contractors)
MEMPHIS—Aitken David R. (Cut Stone)
Anderson Axel (Cut Contractors)
Christie Cut Stone Co. (Cut Contractors)
Jenkins Thos. & Co. (Cut Stone)
Kastner Cut Stone Co. (Cut Stone)
Morriss Bros. (Cut Contractors & Sawmills)
NASHVILLE—Englebert & Co.
Foster & Creighton Co. Quarries: Rockwood, Ala.
Hardison W. T. & Co. (Dealers)
Nashville Cut Stone Co. (Cut Stone)

## TEXAS.

AUSTIN—•Austin White Lime Co. (Limestone)
DALLAS—Moore & Co. (Dealers)
DENISON—Chamberlain A. P. (Cut Stone)
EL PASO—•Dudley & Orr
Pioneer Marble & Granite Works (Cut Stone)
•So. Western Portland Cement Co.
FORT WORTH—Henderson James G.
U. S. Engineering & Construction Co.
Wells M. J. (Cut Stone)
HOUSTON—Zerbe Marble & Granite Works

## UTAH.

SALT LAKE CITY—Johnson C. O. (Cut Stone)

## VERMONT.

See Granite Producers, Workers & Dealers also Marble Producers

## VIRGINIA.

NORFOLK—Consolvo & Overmeyer
PORTSMOUTH—Ogg A.
RICHMOND—Gemmel Bros., 902 Catharine
Mason Wm. R. (Cut Contractor), 1601 W Marshall
Matzke Otto A. (Cut Contractor)

## WASHINGTON.

SKYKOMISH—•Maloney John
SPOKANE—Sterling Stone Co.
Washington Monumental & Cut Stone Co.

STONE PRODUCERS, WORKERS & DEALERS—continued

WASHINGTON—continued

TACOMA—Donnellan & McKenzie (Cut Contractors)
Walker Cut Stone Co. (Cut Contractors)

TENINO—*Hercules Sandstone Co.
*Tenino Stone Co. (Sand Stone)

WEST VIRGINIA.

BUNKER HILL—*Baker J. E. Co. (Limestone & Lime Mfrs.)

HINTON—Noel R. E.

KINGWOOD—*Kingwood Quarries Co. ("Kingwood," "Yellow")

MARTINSBURG—*Blair Limestone Co. (Office, Pittsburgh, Pa.)
*Security Cement & Lime Co. (See Baltimore, Md.)
*Standard Lime & Stone Co. (See Baltimore, Md.)

NEW CUMBERLAND — *Kings Creek Quarry Co.

WHEELING—Rosenberg J. H. Jr.
Valley Star Stone Co.

WISCONSIN.

ABLEMAN—*Gall Wm.

CHIPPEWA FALLS—Colfax Stone Co.

CLINTONVILLE—Melzer William (Building & Cutter)

DE PERE—*Wobosel Matthew

DUCK CREEK—*Brunette M.

FOND DU LAC—*Standard Lime & Stone Co.

GREEN BAY—*Greenleaf Stone Co.

LA CROSSE—*La Crosse Stone Co. (Crushed, Paving, Building, etc)

LANNON—*Davis Bros.' Stone Co.
*Flanagan Jno. J. Jr.
*Harmon & Son
*Lake Shore Stone Co.

MADISON—Paunnack E. F.

MANITOWOC—Kettenhofen N. (Cutter)

MARBLEHEAD—*Nast Bros. Lime & Stone Co. (Limestone)
*Union Lime Co. (Limestone) (See Milwaukee, Wis.)

MILWAUKEE—Andres Stone & Marble Co. (Cut Contractors), Keefe av & Richards
*Empire Lime & Stone Co. (Limestone)
General Construction Co. (Cut Contractors), 3038 Galena
*Froerning Bros. Quarry Co.
Kies Wolfgang, 3310 Vliet
*Lake Shore Stone Co., 1st Nat. Bank bldg
*Manegold A. F. & L., 766 Jefferson
Manz Joseph, 1609 Clark
Meyers Bros. (Cut Contractors), 342 E North av
Schmidt P. & Co. (Cut Contractors), 3038 Galena
Sivyer Steel Casting Co.
*Story Bros. (Limestone), Blue Mound rd
Union Lime Co.
Tingley C. Wallace (Cut Contractor), 720 31st
Vollbrecht & Olsen, 753 South Canal
*Wauwatosa Stone Co. (Limestone), 204 Grand
*Western Lime & Cement Co., Pabst bldg
Wilce John

OSHKOSH—§Cook & Brown Lime Co. (Limestone)
*Lutz Robt. (Building & Crushed)

RACINE—*Fox Lime & Stone Co. (Limestone)
*O'Laughlin John Stone Co. (Building, Rubble & Crushed)
*Universal Crushed Stone Co. (Crushed, etc)

SHEBOYGAN—Scheele Henry Jr. (Cut Contractor)
*Sheboygan Lime Works (Lime Stone)

WAUKESHA—*Waukesha Lime & Stone Co.

WAUWATOSA—*Zimmerman John Co.

## 14345— Stone Renovators

Dye Bros., 100½ W 54th, New York
Finney C. H. & Sons, 139 W 53d, New York
Fordham Stone Renovating Co. (Granite, Marble & Brownstone Renovated & Pointed), 417 E 34th, New York
National Stone Renovating Co., 409 W 55th, New York
Paris Stone Renovating Co., 5 Great Jones, New York
Smith N. & Co., 131 Columbus av, New York
Zaput & Bendish, 254 W 65th, New York

## Stone Rubbing Beds

See Rubbing, Beds, Stone, Slate, etc.; also Machinery, Stone Polishing

## 14346—Stone Saw Blades (Steel)

Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Elyria Iron & Steel Co., 232 E 131st, Cleveland, O.
Oldham New York Saw Wks., Inc., 112 26th, Brooklyn, N. Y.
Sharon Steel Hoop Co., Sharon, Pa.

## 14347— Stone Screenings

A. & C. Stone & Lime Co., 17 N Pennsylvania av, Indianapolis, Ind.
Bessemer Limestone Co., Youngstown, O.
Blesanz Stone Co., Winona, Minn.
Producers Material Co., 29 S La Salle, Chicago, Ill.
Toledo Stone & Glass Sand Co., Toledo, O.
Waukesha Lime & Stone Co., Racine, Wis.
Winfield Sand Co., 2d National Bank bldg, Pittsburgh, Pa.

## 14347a— *Stone Skips

See also Skips, Stone & Cement

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 14347b— *Stone Sleds

See also Sleds (Stone)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 14348—Stone Stair Treads, Platforms & Risers

Euclid Stone & Brick Co., Cleveland, O.

## 14349— Stone Urinal Slabs

Alberene Stone Co. (Soapstone), 223 E 23d, New York
Euclid Mfg. Co., Padden City, W. Va.
Euclid Stone & Brick Co., (Slabs & Stalls) Cleveland, O.

## 14349a—*Stonekote (Exterior Cement Plaster)

GARDEN CITY SAND CO., Chamber of Commerce bldg, Chicago, Ill.

## 14350— Stoners (Cherry, Peach, Etc.)

Cassady Fairbank Mfg. Co. ("Manchardt's"), 6126 S La Salle, Chicago, Ill.
Enterprise Mfg. Co. of Pa. ("Enterprise"), 3rd & Dauphin, Phila., Pa.
Goodell Co. (Family), Antrim, N. H.
Mapes E. B. & Co., South Haven, Mich.
New Standard Hardware Works (Cherry), Mt. Joy, Pa.
Rollman Mfg. Co. (Ltd.), Mount Joy, Pa.
Wrightsville Hardware Co. ("Brighton" Cherry Stoner), Wrightsville, Pa.

## 14350a—Stones (Commutator)

Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Handy Supply Co., 11737 Detroit av, Cleveland, Ohio
Ideal Commutator Dresser Co., 8 S. Dearborn, Chicago, Ill.

## 14351— Stones (Emery)

Amer. Emery Wheel Wks. (Corundum), 325 Waterman, Providence, R. I.
Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn.
*See adv index at end of book*
Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Norton Co. (Alundum & Crystolon), Worcester, Mass.
Pike Mfg. Co., Pike, N. H.
Safety Emery Wheel Co., Springfield, O.
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.

## 14352—Stones (Glass Cutters')

Norton Company, Worcester, Mass.
Pike Mfg. Co., Pike, N. H.

## 14353—Stones (Lithographing)

Martin & Bechtold, Inc., 32 Greene, New York
Senefelder Litho Stone Co., 32 Greene, New York

## 14354—Stones (Oil & Water)

American Emery Wheel Works, 325 Waterman, Providence, R. I.
American Hone Co., Olean, N. Y.
Bracher Co., Belleville, N. J.
Carborundum Co. (Carborundum & Aloxite & Natural), Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 1101 W Monroe, Chicago, Ill.
Dixon Wm. (Jobbers), 39 John, New York
Luther Grinder Mfg. Co. ("Dimo Grit"), 285 So. Water, Milwaukee, Wis.
Norton Co. ("India"), Worcester, Mass.
Oliver Machinery Co. ("Oliver"), Grand Rapids, Mich.
Pike Mfg. Co., Pike, N. H.
Scranton Whetstone & Abrasive Wheel Co. ("Hindostan"), Scranton, Pa.
Star Corundum Wheel Co., 241 Cavalry av, Detroit, Mich.
Tanite Co., Stroudsburg, Pa.
Vitrified Wheel Co., Westfield, Mass.

## 14355— Stones (Pulp)

Lombard & Co. (English New Castle), 236 A, Boston, Mass.

## 14356— Stones (Rubbing)

Eureka Rubbing Stone Co. (For Car & Carriage Painters, etc), 157 W Austin, Chicago, Ill.

## 14357— Stones (Scythe)

Bracher Co., Belleville, N. J.
Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 1101 W Monroe, Chicago, Ill.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Norton Co. (Alundum & Crystolon), Worcester, Mass.
Pelkey W. H., Fair Haven, Vt.
Pike Mfg. Co., Pike, N. H.

## 14358— Stones (Sheiling)

Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.

## 14359— Stones (Tool)

Carborundum Co. (Carborundum & Aloxite), Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 1101 W Monroe, Chicago, Ill.
Cleveland Stone Co., 1836 Euclid av, Cleveland, O.
Ohio Quarries Co., Citizens' bldg, Cleveland O. Quarries & Mills: Amherst, Ohio
Pike Mfg. Co., Pike, N. H.

## 14360—Stoneware (Chemical)

Acid Proof Clay Products Co., Akron, Ohio
Behrend F., Inc. (Importers), 170 Front, New York
Burns E. Reed Supply Co., 25 Jackson, B'klyn, N. Y.
Dorchester Pottery Works, 9 Preston, Boston, Mass.
Gem Stopper Co. ("Gesco" Carboy Stopper), 2120 Nicholas, Phila., Pa.
General Ceramics Co., 50 Church, New York
Graham Chas. Chemical Pottery Works, 986 Metropolitan av, Brooklyn, N. Y.
Hood B. Mifflin, Atlanta, Ga.
Remney Richard C. Son Co., Hedley & Delaware River, Phila., Pa.
Uhl Pottery Co. (Jars, Churns, Crocks, Jugs, etc), Evansville, Ind.
United States Stoneware Co. (Receivers, Pipes, Pots, Faucets, Tanks, Retorts), Akron, O.
Weeks Arthur J., Akron O.

## 14361— Stools (Adjustable)

**Ohio Mfg. Co. (Steel Factory), P. O. Box** 136, Painesville, O.
*See adv index at end of book*
**Toledo Metal Furniture Co. ("Eureka"),** Toledo, O.

## 14362— Stools (Folding)

**Cook C. A. Co. ("Utility"), Cambridge,** Mass.
Plastone Co. (Step Ladder),, Los Angeles, Cal.
Sterling Foundry Co. ("Sterling" Step Ladder), Sterling, Ill.

## 14362a—Stools (Lunch Room)

Vitrolite Co., 110 W Washington, Chicago, Ill. *See adv index at end of book*

## 14363—Stools (Steel Factory & Office)

**Angle Steel Stool Co. (Angle Steel Legs),** Otsego, Mich.
Bayer-Rothgeb Co., Los Angeles, Cal.
**Bernstein Mfg. Co. (Factory Stools &** Chairs), 3d & Allegheny, Phila., Pa.
**Buffalo Metal Furniture Mfg. Co., Buffalo,** N. Y.
**Celina Specialty Co., Celina, O.**
**Clark W. J. Co., Salem, O.**
**Cleveland Wire Spring Co. (Adjustable),** 1281 E 38th, Cleveland, O.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
**Jenks H. F. Co. (Factory), Pawtucket,** R. I.
Kalamazoo Steel Goods Co., 412 E Ramson, Kalamazoo, Mich.
Koenig Edward L., 23 Kinzie, Chicago, Ill.
*See adv index at end of book*
**Lothrop Mfg. Co., 15 W Kinzie, Chicago,** Ill.
**Manufacturing Equipment & Engineering** Co., Framingham Mass.
New Britain Machine Co. ("New Britain" **Factory Adjustable), 190 Chestnut.** New Britain, Conn.
**OHIO MFG. CO.** (Adjustable Steel Factory), P. O. Box 136, Painesville, O.
*See adv index at end of book*
**United Steel & Wire Co., Battle Creek,** Mich.

## 14364— Stools (Store)

Andrews A. H. Co. (Metal), 107 Wabash av, Chicago, Ill.
**Bryan Novelty Mfg. Co. ("Triumph" Auto,** "Ideal" Auto, "20th Century," "Yunck" & "Bryan"), Bryan, Ohio
**Buffalo Metal Furniture Mfg. Co. ("Nevewear" Revolving Top, etc.), Buffalo,** N. Y.
Celina Specialty Co. (Metal), Celina, O.
Chicago Hardware Foundry Co. (Revolving), North Chicago, Ill.
Cook C. A. Co. ("Utility," Folding Counter), Cambridge, Mass.
**Jenkins Machine Co. (Revolving), Sheboy**gan, Wis.
Toledo Metal Furniture Co. ("Perfection," "Service," "Model" Steel, also Pedestal), Toledo, O.

## 14364a— *Stools (Wooden)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 14365—Stoppers (Bath & Basin)

See also Stopples, Rubber

Canfield H. O. Co. ("Canfield" Rubber), Bridgeport, Conn.
Goodrich B. F. Co. (Rubber), Akron, O.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Schacht Rubber Mfg. Co. ("Daisy" Rubber), Huntington, Ind.
U. S. Rubber Co., 1790 B'way, New York
Wise J. B., Inc., Watertown, N. Y.
Wolverine Brass Works, Grand Rapids, Mich.

## 14366— Stoppers (Bottle)

See also Corks, Crown

Aetna Bottle & Stopper Co., 54 Peck, Providence, R. I.
**Bernardin Bottle Cap Co. ("Cyclone"),** Evansville, Ind.
Canfield H. O. Co. (Rubber), Bridgeport, Conn.
Carr-Lowrey Glass Co., Westport, Baltimore, Md.
Gem Stopper Co. ("Geco"), 2120 Nicholas, Phila., Pa.
Hutter Karl ("Hutter" Porcelain), 241 Lafayette, New York
Interstate Bottle Stopper Co., 168 39th, Brooklyn, N. Y.
Schacht Rubber Mfg. Co. ("Daisy"), Huntington, Ind.
Taplin Mfg. Co. ("Victor"), New Britain, Conn.
U. S. Bottle Stopper Co., Haw Tree Creek rd, Woodhaven, N. Y.
**Whitall, Tatum Co. (Glass), 410 Race,** Phila., Pa.
Wildman-Treherne Co. (Glass), 85 Franklin, New York

## Stoppers (Carboy)

See Stoneware, Chemical

## Stoppers (Flue)

See Stops, Flue

## 14367—Stoppers (Gas Main)

Behringer Edw. A. Inc. ("Behringer" & "Perfect"), 98 Park pl, New York
Safety Gas Main Stopper Co. ("Goodman"), 263 E 133d, New York

## 14368-9—Stoppers (Milk Bottle)

Chapin R. E. Mfg. Works, Batavia, N. Y.

## 14370-1—Stoppers (Plumbago)

**Bartley Jonathan Crucible Co., Trenton,** N. J.
McCullough-Dalzell Crucible Co. (For Bessemer & Open Hearth Furnaces), **36th & A. V. R. R., Pittsburgh, Pa.**
Ross-Tacony Crucible Co. (For Steel **Works), Robbins & Milner, Phila., Pa.**

## Stoppers (Wooden For Various Purposes)

**See Plugs, Wood**

## 14372—Stoppers & Nozzles (Ladle)

Seidel R. B. (Inc.) (For Open Hearth & Bessemer Ladles), 1332 Callowhill, Phila., Pa.

## 14373— Stopples (Rubber)

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Continental Rubber Works, Erie, Pa.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
**Hodgman Rubber Co., 8 W 40th, New York**
**Manhattan Rubber Mfg. Co., Passaic, N. J.**
**Mercer Rubber Co., Hamilton Square, N. J.**
National India Rubber Co., Bristol, R. I.
N. Y. Belting & Packing Co., 91 Chambers, New York
Parker-Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
Pennsylvania Rubber Co., Jeannette, Pa.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Revere Rubber Co. (Acid Corks, etc), Chelsea, Mass.
Rubber Stopple Co., West av, Long Island City, N. Y.
Seamless Rubber Co., New Haven, Conn.
Tver Rubber Co., Andover, Mass.
U. S. Rubber Co., 1790 B'way, New York

## 14374— Stops (Bench)

Buffum Tool Co. ("Swastika" Carpenters'), South Side, Louisiana, Mo.
Cincinnati Tool Co. ("Hargrave"), Norwood, Cincinnati, O.
*See adv index at end of book*
Dicke Tool Co., Downers Grove, Ill.
Morrill Chas. ("Morrill" & "Apex" Brands), 100 Lafayette, New York
*See adv index at end of book*
Smith Seymour & Son, Oakville, Conn.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co. ("V. & B." German Pattern), 2114 Carroll av, Chicago, Ill.
Winkler Co., 120 Miller, Newark, N. J.

## 14375— Stops (Bit)

Millers Falls Co. (Anti-Friction Ball Bearing), 28 Warren, New York

## Stops (Boom Foot)

See Eyes, Lacing

## 14376—Stops (Crane Limit)

**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*

## 14377—Stops (Curb & Waste)

Union Water Meter Co., Worcester, Mass.

## 14378-9— Stops (Flue)

Andrews Wire & Iron Works ("Higgins," "Androck," "Edwards"), Rockford, Ill.
Central Stamping Co., 172 Fulton, New York
**Clark J. L. Mfg. Co. ("Glen"), Rockford,** Ill.
**Crunden-Martin Mfg. Co., 2d & Gratiot,** St. Louis, Mo.
**Dover Stamping & Mfg. Co., Cambridge,** Mass.
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee,, Wis.
Haslet, Flanagan & Co., 116 N 2nd., Phila., Pa.
Holt-Lyon Co. (Self Adjusting), Tarrytown, N. Y.
Lalance & Grosjean Mfg. Co. ("Royal"), 299 B'way, New York
Lawson F. H. Co., Cincinnati, O.
**National Enameling & Stamping Co., 411** 5th av, New York
Peoria Can Co. ("Stay-In"), Peoria, Ill.
**Phillips & Buttorff Mfg. Co. (Safety),** Nashville, Tenn.
Rau Perfect Flue Stopper Co., Louisville, Ky.
Roseland Can & Specialty Co. ("Imperial," "Royal," "Rockford," "Regal"), Rockford, Ill.
Schrayer's M. Sons & Co., 917 W 18th, Chicago, Ill.
Wagner Mfg. Co., Cedar Falls, Ia.
Weber & Kirck Mfg. Co. ("Wagner's"), Keokuk, Iowa

## 14380—Stops (Planer, Automatic)

Lamb Knitting Machine Co. ("Usher"), Chicopee Falls, Mass.

## 14381— Stops (Shaft Tug)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

## 14382—Stops & Wastes (Compression)

**American Foundry & Mfg. Co., 11th &** Hebert, St. Louis, Mo.
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Dick Bros., Reading, Pa.
Exeter Brass Works, Exeter, N. H.
**Haines, Jones & Cadbury Co. ("H. J. &** C.") 1136 Ridge av, Philadelphia, Pa.
Hoffmann & Billings Mfg. Co., 100 2nd, **Milwaukee, Wis.**
Landers, Frary & Clark, New Britain, Conn.
**McRAE & ROBERTS CO.,** 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
Mueller H. Mfg. Co. (Also Ground Key), Decatur, Ill.
Peck Bros. & Co. ("Universal"), New Haven, Conn.
Robertshaw Mfg. Co., Youngwood, Pa.
Stebbins E. Mfg. Co., Springfield, Mass.
Walworth Mfg. Co., Boston, Mass.

## 14382a—*Storage Battery Locomotive

See also Locomotives (Storage Battery)
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 14382b—*Storage Pockets (Industrial Silos)

Crane Silo Co., Inc., Norwich, N. Y.

## 14383—Store Front Construction

**Brasco Mfg. Co. (Copper), 145 S Michigan av, Chicago, Ill.**
Braun J. G., 609 S Paulina, Chicago, Ill.
Coulson J. W. & Co., Columbus, O.
Detroit Show Case Co., 480 Fort W, Detroit, Mich.
**Hester Mfg. Co. (Copper), 1455 S Michigan av, Chicago, Ill.**
Kawneer Mfg. Co. ("Kawneer"), Niles, Mich.
**Mesker Geo. L. & Co. (Copper), Evansville, Ind.**
Perfection Metal Bar Co. ("Perfection" Metal & Metal Covered Wood), 3321 Lorain av, Cleveland, O.
**Shultz All Steel Corner Post Co. ("Shultz" Corner Posts & Metal Window Bars), St. Joseph, Mo.**
Standard Plate Glass Co. (Jobbers), 30 Sudbury, Boston, Mass.
Sullivan-Korber Co., 2437 W 21st pl, Chicago, Ill.
Thorne Hold Fast Metal Bar Co., Troy, N. Y.
Voltz Mfg. Co. ("Universal"), 914 Penn, St. Joseph, Mo.
Western Builders Supply Co. ("Acme" Metal), 135 2nd, San Francisco, Cal.
**Zouri Drawn Metals Co., Chicago Heights, Ill.**

## 14384— Store Fronts (Brass & Bronze)

California Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
California Fire Proof Door Co. ("Wilcox"), 1931 S Los Angeles, Los Angeles, Cal.
**Coulson J. W. & Co., Columbus, O.**
**Detroit Show Case Co. ("Desco"), Detroit, Mich.**
**Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.**
Gorham Co. Arch'l Bronze ("Gorham Standard"), 5th av & 36th, New York. Works: Providence, R. I.
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Herzog Iron Works, St. Paul, Minn.
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
**Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.**
*See adv index at end of book*
Thorne Hold-Fast Metal Bar Co., Troy, N. Y.
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Verdeckberg Iron & Wire Works Co., Denver, Col.
Voltz Mfg. Co., 914 Penn, St. Joseph, Mo.

## Store Fronts (Cast Iron)

**See Firms in Iron, Archectural & Ornamental, marked with (*) Star**

## 14385— Store Fronts (Galvanized Iron)

Berghofer Mitchell Co., Quincy, Ill.
**EDWARDS MFG. CO.**, 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Gara McGinley Co., 23 S 17th, Phila., Pa.
International Steel & Iron Co., Evansville, Ind.
Mesker Geo. L. & Co., Evansville, Ind.
Messenger & Parks Mfg. Co., Aurora, Ill.
Milwaukee Corrugating Co., Milwaukee, Wis.
Newburgh Cornice Works, Newburgh, N. Y.
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Phila., Pa.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Siddons John Co., Rochester, N. Y.
Souther E. E. Iron Co., Kienlin & Hamburger, St. Louis, Mo.
Sullivan-Korber Co., 2437 W 21st pl, Chicago, Ill.
Watson Jas. H. Co., Bradley, Ill.

## 14386—Store Fronts & Show Windows (Glass)

Crane Glass & Mfg. Co., 206 St. Clair av, Cleveland, O.
Shane O. W. Glass Co., York, Pa.
Standard Plate Glass Co., 30 Sudbury, Boston, Mass.
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Zouri Drawn Metals Co., Fine Arts bldg, Chicago Heights, Ill.**

## 14387— Store & Bar Fixtures

**Adams & Kelly Co., Omaha, Neb.**
**American Fixture Co., 20th & York, San Francisco, Cal.**
Ammann Mfg. & Const. Co., 155 Av D, New York
Art Metal Construction Co. (Steel Counters), Jamestown, N. Y.
*See adv index at end of book*
**Bangs C. H. Druggists' Fixture Co. (Drug Store), Reading, Mass.**
**Beardslee-Graham Showcase Co., Seattle, Wash.**
**Buffington I. T., Elizabethtown, Pa.**
**Capital City Furniture Co. (Bank, Store, Bar, Church, etc), 639 Jackson, St. Paul. Minn.**
**Chicago Store & Office Fixture Co., 820 S Clinton, Chicago, Ill.**
Cleveland Store Fixture Co., 1305 E. 40th, Cleveland, Ohio.
**Combination Door Co. (Store & Office Fixtures), Fond du Lac, Wis.**
**Curtis, Towle & Paine Co., Lincoln, Neb.**
**Curtis & Yale Co. (Wholesale Mfrs. of Bar, Hotel, Bank, Store & Office Fixtures). Wausau, Wis.**
**Dean C. P. Corp., Richmond, Va.**
Delphis S. Sons (Butchers), 4th & Liberty, Pittsburgh, Pa.
**Detroit Show Case Co. (Store), 480 Fort W, Detroit, Mich.**
Detroit Store Fixture Co., 16 Catherine, Detroit, Mich.
Ehrlich H. & Sons Mfg. Co. (Store & Restaurant & Post Office Fixtures), St. Joseph, Mo.
**Fincke Oscar, 1916 Bryant, San Francisco, Cal.**
**Fischer Bros., 5 E 137th, New York**
Fisher Co. (Drug Store), Charles City, Ia.
**Ganter F. X. Co. cor Sharp & Ostend, Baltimore, Md.**
Glaser, Rohrer & Co. (Drug Store), 502 E 74th, New York
**Grand Rapids Show Case Co. (Store), Grand Rapids, Mich.**
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
**Herdman Sash, Door & Lumber Co., Zanesville, O.**
**Huck Mfg. Co. (Drug, etc), Quincy, Ill.**
**Huss Bros. Fixture Co., 25 W Baker, Cincinnati, O.**
**Kleeman Wm. & Co., 101 Park av, New York**
Kloak Bros. & Co., 12 E. 3rd, Cincinnati, O.
**Koehler & Hinrichs, St. Paul, Minn.**
**Kurtz Bros., Bethlehem, Pa.**
Loeper Anton & Sons, Ashland, Pa.
**Lookout Planing Mills, Chattanooga, Tenn.**
McPhee & McGinnity Co., Denver, Colo.
**Maclean J. S., Spring & Water, Columbus, Ohio**
**Mansfield R. & Son, Louisville, Ky.**
Nalle & Co., Austin, Tex.
N. Y. Store Fixture Co., 5 E 137th, New York
Northey Mfg. Co., Waterloo, Ia.
Norwich Nickel & Brass Co., Norwich, Conn.
Passow & Sons (Bar), 2101 S Allport, Chicago, Ill.
Phoenix Furniture Co., Eau Claire, Wis.
Quincy Show Case Works (Bank, Office, Drug Store, Jewelry, etc), Quincy, Ill.
Reeber's J. Sons Co., Canal pl & 138th, New York
Reed Evan L. Mfg. Co., Sterling, Ill.
Reinle-Salmon Co. (Drug Store), Warner & Stockholm, Baltimore, Md.
Rieser Ely J. & Co. (Drug, Saloon, Cigar, etc), 1st av & 28th, New York
Russ Co., 5700 Walworth av, Cleveland, O.
Russell A. N. & Sons Co., Ilion, N. Y.
St. Louis Bank Equipment Co., 811 Walnut, St. Louis, Mo.
**Scott N. S. Co., 440 Adelphi, Brooklyn, N. Y.**
**Segale Mfg. Co., 68 E Spring, Columbus, Ohio**
**Segelke & Kohlhaus Mfg. Co., La Crosse, Wis.**
Simmons Wood Working Co., Williamsport, Pa.
Sorensen O. J., La Crosse, Wis.
Southern Cal. Hardwood & Mfg. Co., 1430 S Alameda, Los Angeles, Cal.
Springfield Planing Mill, Lumber & Construction Co., Springfield, Mo.
Staudte & Reuckoldt Mfg. Co., 112 Soulard, St. Louis, Mo.
**STEARNS A. T. LUMBER CO.**, 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Stevens Benj. A. Co. (Butchers' & Store Fixtures), Toledo, O.
Struck Alfred Co., Louisville, Ky.
Sun Mfg. Co. (Store Only), Columbus, O.
Taylor Mfg. Co., Princeton, Ind.
Viking Refrigerator & Mfg. Co. (Store), 1305 Walnut, Kansas City, Mo.
Waddell Co. (Store Only), Greenfield, O.
Walker Bin Co. (Grocery, etc), Penn Yan, N. Y.
Washburn Williams & Co., Scranton, Pa.
**Western Cabinet & Fixture Mfg. Co. Kansas City, Mo.**
Whitcomb Cabinet Co., Kansas City, Mo.
**Williams & Hunting Co., Cedar Rapids, Iowa**

## 14388—Storm Doors & Windows

Adams & Kelly Co., Omaha, Neb.
**Bardwell-Robinson Co., 24th av N & 2d, Minneapolis, Minn.**
Carr & Baal Co., Des Moines, Ia.
Columbus Iron Works (Wholesale Mfrs), Columbus, Ga.
Combination Door Co. (Combination Door & Screen), Fond du Lac, Wis.
**Curtis & Yale Co. (Wholesale Mfrs), Wausau, Wis.**
Farley & Loetscher Mfg. Co., Dubuque, Ia.
Gordon Vantine Co., Davenport, Ia.
**Kuhn Sash & Door Co. (Wholesale Mfrs), 204 N E 7th, Minneapolis, Minn.**
**Osgood & Blodgett Mfg. Co., Duluth av & E 7th, St. Paul, Minn.**
Phenix Mfg. Co. ("Phenix"), Milwaukee, Wis.
**Sanders Bros. Mfg. Co., Ottawa, Ill.**
Smith Sash & Door Co. (Wholesale Mfrs.), 112 E Lake, Minneapolis, Minn.
**Williams & Hunting Co., Cedar Rapids, Ia.**

## 14389— Stove Boards

**Belding-Hall Co., Belding, Mich.**
**Matthiessen & Hegeler Zinc Co. (Blanks), La Salle, Ill.**
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
Porter C. B. Co., 128 N 2d, Phila., Pa.
**Wabash Screen Door Co., 72 W Adams, Chicago, Ill.**

## 14390-1— Stove Linings

**Ashland Fire Brick Co., Ashland, Ky.**
Atlas Co., Lincoln, N. J.
**Baltimore Terra Cotta Works, 1300 Covington, Baltimore, Md.**
**Bickford Fire Brick Co., Curwensville, Pa.**
**Brooklyn Fire Brick Works, 88 Van Dyke, Brooklyn, N. Y.**
**Colebrook's W. H. Sons ("Crown" Plastic Asbestos), Syracuse, N. Y.**
**Columbia Fire Brick Co., Canton, O.**
**Dighton Stove Lining Co., Dighton, Mass.**
Fox E. S. & Co., Reading, Pa.
**Garfield Fire Clay Co., Robinson, Pa.**
**Hall & Sons, Buffalo, N. Y.**
**Louisville Fire Brick Works, Louisville, Ky.**
**McHenry James, 2310 Washington av, Phila., Pa.**
**McLeod & Henry Co., 360 1st, Troy, N. Y.**
**Marcy Stove Repair Co., 74 Beekman, New York. Foundry: Perth Amboy, N. J.**
**Peekskill Fire Brick Works, Peekskill, N. Y.**
**Portsmouth Refractories Co., Portsmouth, Ohio**
**Presbrey Stove Lining Co., Taunton, Mass.**
**Rogers & Co., Royersford, Pa.**
**Rutland Fire Clay Co. ("Rutland," "Champion" Plastic), Rutland, Vt.**
**Standard Stove Lining Co., Taunton, Mass.**
**Thomas Buckwalter & Co., Royersford, Pa.**
**Union Stove Lining Co., Taunton, Mass.**
**Williams Stove Lining Co. (Brick), Taunton, Mass.**

## 14392— Stove Mfrs.

### ALABAMA.

BIRMINGHAM—Avondale Stove & Fdry. Co.
Birmingham Stove & Range Co. ("Delights," "Areoles," "Crackerjacks")
FLORENCE—Martin Stove & Range Co.
GADSDEN—A. & J. Mfg. Co.
SHEFFIELD—King Stove & Range Co. ("King Bee," "Crown")

### CALIFORNIA.

LOS ANGELES—Dutwiler M. E.
SAN DIEGO—Ingle Mfg. Co.
SAN FRANCISCO—Graham Jas Mfg. Co. ("Wedgewood," Gas, Coal & Wood), 531 Mission
Ils John G. & Co., 839 Mission
San Francisco Stove Works, 260 Townsend
Steiger & Kerr Stove & Foundry Co. (Stoves, Ranges, etc), 2201 Folsom

### COLORADO.

PUEBLO—Pueblo Brass & Iron Foundry ("Regent")

### CONNECTICUT.

STAMFORD—Stamford Fdry. Co. (Parlor, Store, Factory & Laundry)
Stamford Gas Stove Co. (Stoves, Ranges & Furnaces, etc)

### GEORGIA.

ATLANTA—Atlanta Stove Works
ROME—Bowie Stove Co.
Hanks Stove & Range Co.
Southern Co-Operative Foundry Co.

### ILLINOIS.

AURORA—Rathbone, Sard & Co. (Stoves, Ranges, Stationary & Portable)
BELLEVILLE—Baker Stove Works
Belleville Stove & Range Co.
Eagle Foundry Co.
Orbon Stove & Range Co.
Perfect Stove & Mfg. Co.
Quality Stove & Range Co.
BENTON—Sanitary Stove Mfg. Co. (Gas & Coal Ranges, etc)
BLOOMINGTON—Co-Operative Stove Co.
CHICAGO—American Stove Co. (Geo. M. Clark & Co. Division), 179 N Michigan av
Chicago Stove & Range Co., 2500 Cottage Grove
Cole Mfg. Co. ("Cole's" Hot Blast Stoves & Ranges, "Radiant"), 3218 S Western av
Cribben & Sexton Co., 680 N Sacramento blvd
Crown Stove Works, 4631 W 13th
Detroit Stove Works (of Detroit, Mich.), 2921 S La Salle
Home Stove Works, 2622 W 18th
Peninsular Stove Co., 438 S Canal
Stearnes Co., 133 W Lake
FULTON—Mississippi Valley Stove Works
GRANT WORKS—Crown Stove Works.
JOLIET—Moore Bros. Co. ("Moore's" Stoves)
MORRISON—Summit Stove Works
NEW ATHENS—Auto Stove Works
PEORIA—Culter & Proctor Stove Co.
QUINCY—Channon-Emery Stove Co.
Comstock-Castle Stove Co. ("Economy"
Excelsior Stove & Mfg. Co. (Stoves, Ranges, etc. "National")
Gem City Stove Mfg. Co. (Ranges, Heaters & Furnaces)
Lahan Stove & Mfg. Co.
Quincy Fdry. & Novelty Co.
Quincy Stove Mfg. Co.
Sheridan Stove Co.
Travilla M.
White Thos. Stove Co.
ROCK ISLAND—Rock Island Stove Co. ("Riverside")
ST. CHARLES—Faultless Iron Works (Malleable Iron)

### INDIANA.

EVANSVILLE—Advance Stove Works
Crescent Stove Wks. (Stoves, Ranges, etc)
Evansville Stove Works (Stoves & Hollow Ware)
Indiana Stove Works
Southern Stove Works (Stoves & Ranges)
HUNTINGTON—Majestic Co.
INDIANAPOLIS—Home Stove Co.
Indianapolis Stove Co.
Utility Stove & Range Co. ("Searchlight")
KOKOMO—Globe Stove & Range Co. (Steel Ranges)
MARION—Hoosier Stove Co.
Marion Stove Co.
NEW ALBANY—Anchor Stove & Range Co. (Anchor)
Gohmann Bros. & Kahler Co.
SOUTH BEND—Engman-Matthews Range Co.
Malleable Steel Range Mfg. Co.

### IOWA.

CEDAR RAPIDS — Leonard Hi-Oven Range Co.
KEOKUK—American Stove & Range Co.
OTTUMWA—McCarroll Bros. Co.

### KANSAS.

LEAVENWORTH—Great Western Stove Co.

### KENTUCKY.

AUGUSTA—Augusta Stove Foundry
CANE VALLEY—Dudgeon Co.
COVINGTON—Insurance Foundry Co.
Star Foundry Co.
LOUISVILLE—Brideford & Co.
Fischer-Leaf Co.
Graf-Webb Iron Mfg. Co.
Kentucky Stove Co.
O. K. Stove & Range Co. (Stoves, Ranges, etc)
Stratton & Terstegge Co., 15th & Main

### MAINE.

BANGOR—Noyes & Nutter Mfg. Co.
Wood & Bishop Co.
PORTLAND—Portland Stove Fdry. Co. (Stoves, Ranges, etc)
WATERVILLE—Noyes Stove Co.

### MARYLAND.

BALTIMORE — Bartlett Hayward Co. (Brick Set & Portable Ranges, Stoves, Furnaces, etc.), Scott & McHenry
Bibb B. C. Stove Co. ("Grand Emerald," "Stonewall," "New Emerald," "Virginia," "Lancaster," "Southern Girl," "Derby," "Maxim," "Cook," "Carrollton," "Coral," "Triumph," "Belair," Double "Cadet," "Pearl," "New Regal," "Magnum," "Red Hot," "Chum" Heating), 109 Light
Calvert Stove & Heating Co. (Jobbers), 512 S Chester
Hutchinson Bros., 5 S Howard
SEXTON S. B. STOVE & MFG. CO., 500 Block W. Conway
Weiskittel A. & Son Co. ("Fire King," "Golden Rule" & "Patapsco"), 12th & E Lombard
PERRYVILLE—Armstrong Stove & Mfg. Co.

### MASSACHUSETTS.

BOSTON—Howes S. M. Co. ("Howes" Ranges), 42 Union
Magee Furnace Co., 38 Union
Smith & Anthony Co. ("Hub"), 52 Union
Walker & Pratt Mfg. Co. (Furnaces, Ranges & Stoves), 31 Union
MANSFIELD — Chilson Furnace Co. ("Chilson," "Boston," "Arlington")
NORTH DIGHTON—North Dighton Co-operative Stove Co. ("Oakland")
OTTER RIVER—Lord, Stone & Co.
PLYMOUTH—Plymouth Fdry. Co.
SOMERSET—Somerset Stove Foundry Co.
TAUNTON—Dighton Foundry Co. ("Winthrop" & "Dighton" Stoves, Ranges, etc)
Leonard & Baker Stove Co.
Thomas Oscar G.
Weir Stove Co. ("Glenwood")
White-Warner Co.
WATERTOWN—Walker & Pratt Mfg. Co.

### MICHIGAN.

BATTLE CREEK—A. B. Stove Co.
DETROIT—Art Stove Co. ("Laurel"), Russell & Milwaukee
Detroit Stove Wks. ("Detroit Jewel" Cooking & Heating for Gas, Wood & Coal), 1320 Jefferson av
Michigan Stove Co. ("Garland" Stoves, Ranges & Furnaces), Adair & Jefferson E
Peninsular Stove Co., 8th & Fort
DOWAGIAC—Beckwith P. D. (Inc.), ("Round Oak" Heating Stoves & Furnaces)
KALAMAZOO—Kalmazoo Stove Co.
LAPEER—Bostick Stove Co.
OWOSSO—Independent Stove Co. ("Renown")

### MINNESOTA.

MINNEAPOLIS—Smith System Heating Co. (Heating & Ventilating for Schools)
ST. PAUL—Joesting & Schilling Co., 379 Sibley
Wolterstorff Range Co., 66 E 3rd
SHAKOPEE—Minnesota Stove Co.
STILLWATER—Daily L. W.

### MISSOURI.

HANNIBAL—Duffy-Trowbridge Stove Mfg Co.
INDEPENDENCE—Independence Stove & Fdry. Co.
KANSAS CITY—Security Stove & Mfg. Co. ("Security") 17th & Oakland av
ST. LOUIS—American Stove Co., 827 Chouteau
Bokern F. T., 217 Market
Bridge & Beach Mfg. Co., 1st & Valentine
Buck's Stove & Range Co., 3500 N 2d
Charter Oak Stove & Range Co., Antelope & Conduit
Copper Clad Malleable Range Co., 2nd & Franklin
Green's Car Wheel Mfg. Co. ("Cannon" Cast Iron Heating), 3000 N B'way
Heinz C. Stove Co., 100 N 2d
Hemp & Co., Vanderventer, nr Shaw
Majestic Mfg. Co., 2014 Morgan
Quick Meal Stove Co. (Div. Amer. Stove Co.), 2001 S Kingshighway
Ringen Stove Co., Div. of American Stove Co., 827 Chouteau av
Simmons Hardware Co. (Stoves & Ranges), 9th & Spruce
Willard W. G., 316 Chestnut
Wrought Iron Range Co., 5661 Natural Bridge av
SPRINGFIELD—Woods-Evertz Stove Co.
VALLEY PARK—Wilson Stove & Mfg. Co.

### NEBRASKA.

RALSTON—Howard Stove Co.

### NEW HAMPSHIRE.

CONCORD—Ford Foundry Co.
SALMON FALLS—Somersworth Fdry. Co.

### NEW JERSEY.

DOVER—Richardson & Boynton Co.
ELIZABETH—Heating Supply & Repair Co. ("Uprite" Oval Range)
JERSEY CITY—Colby E. B. & Co. ("Colbe" Combination Range, for Coal, Wood & Gas), Hoboken av
NEWARK—Thatcher Furnace Co. (Stoves & Ranges, Portable & Stationery), 36 St. Francis
SOMERVILLE—Somerville Stove Works
TRENTON—Mott J. L. Iron Works (Coal & Gas)

### NEW YORK.

ALBANY—Brohm & Molitor
Gold Coin Stove & Fdry. Co.
Rathbone, Sard & Co. ("Acorn" Stoves, etc.)
BUFFALO—Buffalo Co-Operative Stove Co. ("Amherst")
Jewett & Co. ("Jewett")
Pohlmann John W. Fdry Co., 205 Baltz av
CORNING—Corning Mfg. Co.
FRIENDSHIP—Drake Hdw. Co.

STOVE MFRS.—continued
NEW YORK—continued
GENEVA—Phillips & Clark Stove Co. ("Andes")
Summit Foundry Co.
MANLIUS—Cheney S. & Son
NEW YORK—Graff Furnace Co. ("Faultless"), 61 Wooster
Grinberg Bros., ("Prize Plymouth," "Atlantic," "Puritan," "Caboose," "New Prize," "Peerless," "Royal," "New Royal," "Grand Eagle," "Radiant"), 154 South
Manhattan Stove Co., 6 Platt
New York French Range Co., 188 Chambers
Southard-Robertson Co., 257 Water
Thatcher Furnace Co. (Stoves & Ranges, Portable & Stationary), 135 W 35th
Union Stove Works ("Avon," "Bronx") 70 Beekman
PEEKSKILL—Mohegan Stove Co.
Southard-Robertson Co.
Union Stove Works (Furnaces, Ranges, Heaters, etc)
PORT CHESTER — Abendroth Bros. (Stoves & Ranges)
PORT JERVIS—Swinton & Co.
ROCHESTER—Co-Operative Foundry Co. ("Red Cross")
Galusha Stove Co. ("Norman")
Kennedy & Co.
Sill Stove Works (Coal & Gas Combination Ranges & Furnaces)
SYRACUSE—Landers W. H. Co.
TROY—Burdett, Smith & Co. ("Aladdin")
Fuller & Warren Co. ("Stewart")
Gold Coin Stove Co.
UTICA—Giblin & Co.

## NORTH CAROLINA.

GREENSBORO—Glascock Stove & Mfg. Co. (Cooking & Heating Stoves)

## OHIO.

AKRON—Tapian-Rice-Clerkin Co. ("Climax" Stoves & Ranges)
ALLIANCE—Fuel Saver Stove Co.
ATHENS—Athens Stove Co.
BELLAIRE—Bellaire Stove Co. ("Star")
BELLEVUE—Conway Stove Co.
CINCINNATI—Bardes E. H. Range & Fdry. Co.
Fischer Wm. G. Stove & Range Co., 326 McFarland
Huenefeld Co. (Also Ranges, "Boss," "Uneeda," "Success" & "Selma")
Klaine F. A. & Co., Front & Central
Miller Wm. Range & Furnace Co., 125 E 5th
Monitor Stove Co. ("Monitor" Radiator Heating Stoves), C. H. & D. Ry., nr. Gest
Van John Range Co., 5th & B'way
CLEVELAND — Champion Stove Co. ("Champion" Interchangeable, Gas, Coal & Wood), 4001 W 25th
Cleveland Co.-Operative Stove Co. ("Grand"), 2323 E 67th
Dangler Stove Co. (Div. Amer. Stove Co.), 5017 Perkins av
New Process Stove Co. (Div. Amer. Stove Co.), 4415 Perkins av
Ohio Foundry Co., Div. of Am. Stove Co. ("Reliable"), E 71st & Stanton
Reliable Stove Co., 1787 E 40th
Republic Stove & Mfg. Co., 1802 E 40th
Superior Foundry Co. (Laundry), E 71st & W. & L. E. Ry.
Tinnerman Stove & Range Co., 2038 Fulton rd
COLUMBUS—Emrich C., 371 S High
Hertenstein M. Co., 1409 S High
Lattimer Stove Co. ("L. W." Stoves & Ranges)
Ohio State Stove Co.
Quad Stove Mfg. Co.
CRESTLINE—Schill Bros. Co.
DAYTON—Gem Stove Co.
Kramer Bros. Fdry. Co.
DELAWARE—Sun Ray Stove Co.
ELYRIA—Fox Furnace Co. (Furnaces, Ranges & Stoves "Forest City," "Cannon," "Star Oak," "Royal," "Princess," "Radiant")
FREMONT—Fremont Stove Co.
Lincoln Stove Co.
GALLIPOLIS—Thompson Francis Stove Co.
Treasure Stove Co.
HAMILTON—Estate Stove Co. ("Estate" Coal, Wood & Gas Stoves, Ranges & Furnaces)
HILLSBORO—Bell C. S. Co. (Heavy Heating & Caboose Mogul)
IRONTON—Foster Stove Co.
MANSFIELD—Eclipse Stove Co. (Stoves & Ranges)
MARTINS FERRY—Spence-Baggs Stove Co.
MASSILLON—Hess-Snyder Co. (Heating & Cooking, Boomer)
NEWARK—Wehrle Co. (Stoves & Ranges)
NEW PHILADELPHIA—Sharp Mfg. & Supply Co. ("Excelsior")
PIQUA—Favorite Stove & Range Co.
PORTSMOUTH—Ohio Stove Co.
Portsmouth Stove & Range Co. ("Model," "Equity")
SALEM—Victor Stove Co. ("Victor" Coal & Gas)
TOLEDO—Toledo Stove & Range Co. "Gem" Stoves & Ranges)
ZANESVILLE—Jones Chas. H.
Weidig Foundry Co.

## OKLAHOMA.

SAND SPRINGS—Tulsa Stove & Fdry. Co.
TULSA—Queen Bee Stove Co.

## PENNSYLVANIA.

BEAVER FALLS—Howard Stove Co.
BOYERTOWN—Union Mfg. Co.
COLUMBIA—Keeley Stove Co. ("Columbian")
DANVILLE—Danville Stove & Mfg. Co. ("Beaver")
ERIE—American Beauty Stove Co.
Eriez Stove & Mfg. Co.
Germer Stove Co. ("Radiant Home")
Odin Stove Mfg. Co.
GIRARD—Lake Erie Foundry Co. ("Ruby")
JOHNSTOWN—Century Stove & Mfg. Co. (Gas)
LEHIGHTON—Crescent Stove & Mfg. Co.
Lehigh Stove Mfg. Co.
MIDDLETOWN—Wincroft Stove Works (Gas & Coal & "Wincroft" Ranges)
PHILADELPHIA—Columbia Record Stove Co., 624 S 2d
Cox Abraham Stove Co., American cor Dauphin
Diller, Caskey & Keen (Stoves, Heaters & Ranges), 6th cor Berks
Kappler-Fox Fdry Co., York & Thompson.
Liberty Stove Co., 308 Chestnut
Phila. Stove & Iron Foundry Co. (Furnaces, Stoves & Ranges), 1631 N 5th
Roberts & Mander Stove Co., Washington av & 11th
Sabin Frederick & Co., 237 N Bread
Sheppard Isaac A. Co. ("Paragon," "Excelsior" Furnaces, Stoves & Ranges), Land Title bldg.
Thomas, Roberts, Stevenson Co., American & Dauphin
PITTSBURGH—Stove & Range Co. of Pittsburgh (Stoves & Ranges), Preble av, nr Superior bridge
PITTSTON—Pittston Stove Co. (Stoves, Ranges, etc., "Pittston," "Happy Thought", "Favorite," "New Enterprise," "Thrift," "Pocono," Standard," "Magnet," "Cotton Wood," "Oakwood," "Redwood," "Cute")
POTTSTOWN — March-Brownback Stove Co. ("Globe" Ranges, etc)
Printz & Sevison
POTTSVILLE—Pottsville Fdry. & Stove Co.
QUAKERTOWN—Quakertown Stove Works
READING—Mt. Penn Stove Works
Prizer-Painter Stove Co. ("Prizer" Stoves, Ranges & Furnaces)
Reading Stove Works ("Sunshine" (Stoves, Ranges & Heaters)
ROCHESTER—Olive Stove Works
ROYERSFORD—Buckwalter Stove Co. (Ranges, "Canopy," "Apollo," etc)
Floyd-Wells Co.
Grander Stove Co. (Stoves, Portable & Brick Set Ranges, Heaters, etc)
SCRANTON—Scranton Stove Works ("Dockdash")
SINKING SPRING—Manufacturers Fdry. Co.
SPRING CITY—Keystone Stove Foundry (Ranges, Heaters, etc)
Penn Stove & Range Co.
WARREN—Pennsylvania Furnace & Stove Co.

## RHODE ISLAND.

PROVIDENCE—Barstow Stove Co., 116 Point

## TENNESSEE.

CHATTANOOGA—Mascot Stove Mfg. Co.
Mountain City Stove & Mfg. Co. ("Southern Queen")
Price-Evans Fdry Co. ("Coal King")
Tennessee Stove Works
Vesta Gas Range & Mfg. Co. ("Vesta")
CLEVELAND — Hardwick Stove Co (Sunny South")
KNOXVILLE—Fair Foundry Co.
Knox City Iron Works ("Pearl")
Knox Stove Works
MEMPHIS—Wetter H. Mfg. Co. (Stoves, Ranges, etc) Works: S Pittsburgh, Tenn
NASHVILLE—Allen Mfg. Co. ("Washington" Stove & Ranges)
Gray & Dudley Hardware Co. ("Washington," "Black Imp," "Our Clipper," "Hermitage" Steel & Gray Iron Stoves & Ranges)
Phillips & Buttorff Mfg. Co.
SOUTH PITTSBURGH—Lodge Mfg. Co.
Wetter H. Mfg. Co.

## VIRGINIA.

RICHMOND—Cameron Stove Co.
Richmond Stove Co., 2506 E Main
Southern Stove Works ("Tip Top")
WAYNESBORO—Loth W. J. Stove Co.

## WASHINGTON.

EVERETT—Washington Stove Works
SEATTLE—Lang F. S. Mfg. Co.
Puget Stove & Range Co.
TACOMA—Pioneer Stove & Stamping Co.

## WEST VIRGINIA.

HUNTINGTON—Huntington Stove & Fdry Co.
West Va. Foundry & Stove Co.
WHEELING—Wheeling Stove & Range Co.

## WISCONSIN.

BEAVER DAM—Malleable Iron Range Co. (Ranges)
GRAFTON—Jungers Stove & Range Co.
MILWAUKEE — Fuller-Warren Co. (Ranges, Stoves, etc.) 32nd & Wright
Lindemann A. J. & Hoverson Co. (Stoves, Ranges, etc)
Milwaukee Stove & Heater Co., 100 W Water
NEENAH—Bergstrom Stove Co.

## 14393—Stove Pipe & Elbow Mfrs.

Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Cleveland Elbow Mfg. Co., 1615 Merwin, N. W., Cleveland, O.
Crunden-Martin Mfg. Co., 2nd & Gratiot, St. Louis, Mo.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Dieckmann Ferdinand Co., 1182 Harrison av, Cincinnati, O.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Empire Metal Tank Works, E. Rochester, N. Y.
Empire Tin Ware Co., 29 S 5th, B'klyn, N. Y.
Excelsior Steel Co., 118 S Clinton, Chicago, Ill.
Excelsior Stove & Mfg. Co., Cambridge, Mass.
Follansbee Bros. Co. ("Security"), Pittsburgh, Pa.
Geisel A. Mfg. Co. ("Economy," "Rival," "Noxall"), 219 S 2nd, St. Louis, Mo.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Grinberg Bros., 154 South, New York
Hemp & Co. ("Yale," "Duplex," "Can't Slip," "Peerless," "Battle Ax," "Galvano"), Vandeventer, nr Shaw, St. Louis, Mo.
Hill Jas. Mfg. Co., 52 Westfield, Providence, R. I.
Howes S. M. Co., 42 Union, Boston, Mass.

Jackes-Evans Mfg. Co. ("Easylock," "Perfection," "Champion Lock," "Crescent"), Main & Tyler, St. Louis, Mo.
**Kinne Mfg. Co., 1401 Central av, Minneapolis, Minn.**
**Letts E. M. (Machinists "O-H" One Piece) Waverly, N. Y.**
Lyon, Conklin & Co., ("Lyon," "Tiger"), 19 Balderston, Baltimore, Md.
Mager & Newman Tinware Co., 160 Monroe, New York
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
Mertz John Mfg. Co., Sandusky, O.
Meuer Geo. C. Co., 22 Clay, Brooklyn, N. Y.
Mountain City Stove & Mfg. Co., Chattanooga, Tenn.
National Enameling & Stamping Co., 411 5th av, New York
Newark Steel & Iron Works, 12 Mercer, Newark, N. J.
Niles Iron & Steel Roofing Co., Niles, O.
Ohio Corrugating Co., Warren, O.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co. (The), Buffalo, N. Y.
**Richmond Stove Co., 2506 E Main, Richmond, Va.**
St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.
Sheet Metal Mfg. Co., Niles, O.
Sheet Metal Specialty Co. (Nested), Follansbee, W. Va.
Stratton & Terstegge Co. (Pipe), 15th & Main, Louisville, Ky.
Wehrle Co., Newark, O.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 14394— Stove Polish

A. B. Polish Co. ("A. B."), 1515 Haddon av, Chicago, Ill.
Bettes A. O. Mfg. Co. ("Ideal"), 1208 E 12th, Kansas City, Mo.
**Black Cat Polish Co., 34 Washington, Buffalo, N. Y.**
**Black Silk Stove Polish Works ("Black Silk"), Sterling, Ill.**
**Cambria Paint & Color Co. (Ltd.) ("Sherman's Liquid"), Johnstown, Pa.**
Chase, Roberts & Co. ("Nev.-A.-Burn"), West av, Long Island City, N. Y.
Colebrook's W. H. Sons (Black Flag), Syracuse, N. Y.
Connors Wm. Paint Mfg. Co. ("American Seal"), Troy, N. Y.
Crow Stove Polish Co. (Crown), 2520 Galena, Milwaukee, Wis.
Dixon Joseph Crucible Co. ("Dixon's," "Carburet of Iron"), Jersey City, N. J.
**International Metal Polish Co., ("Blue Ribbon") Quill & Belt Ry., Indianapolis, Ind.**
**Martin & Martin ("E-Z"), 3005 Carroll av, Chicago, Ill.**
Michigan Stove Co. ("Garland," Paste, etc), Adair & Jefferson, Detroit, Mich.
Nickel Plate Stove Polish Co. ("Black Kid," "Eagle," "Black Jack"), 362 E Illinois, Chicago, Ill.
**Parlor Pride Mfg. Co ("Parlor Pride"), N. Andover, Mass.**
Prescott J. L. Co. ("Enameline"), 92 W B'way, New York
**Rath Mfg. Co. ("Imperial"), Hedley E of Richmond, Phila., Pa.**
Rutland Fire Clay Co. (("Rutland"), Rutland, Vt.
Satin Gloss Polish Co., Portland, Me.
Stinson B. F. & Co. ("Easy Bright"), Buffalo, N. Y.
**Utility Co. ("Uko"), 636 W 44th, New York**
United States Graphite Co., Saginaw, Mich.
Williams Stove Lining Co. (Liquid & Paste, "Eagle Paste") Taunton, Mass.
Wolf John M. Co. ("Black Flag"), 742 Flushing av, Brooklyn, N. Y.

## 14395— Stove Trimmings

Adams Co., Dubuque, Ia.
American Tube & Stamping Co. (Nickel-Plated Steel Stove Edge), Bridgeport, Conn.
Arcade Mfg. Co. ("Standard Adjustable," "Perfect" Steel, "Balzan" Steel), Freeport, Ill.
Enamel Products Co. (Enameled Stove Parts), Eddy rd & Taft av, Cleveland, Ohio
Erie Metal Products Co., Erie, Pa.
**Fanner Mfg. Co. ("Arctic"), Cleveland, O.**
Ireland & Matthews Mfg. Co., Chatfield & Beard, Detroit, Mich.
Lynd L. E. Mfg. Co. ("Zero"), Mechanicsville, N. Y.
**Matthews H. A. Mfg. Co., Seymour, Conn.**
Matthews Mfg. Co. (Knobs, Hinge, Pins, Urns, etc), 104 Gold, Worcester, Mass.
**N. Y. Nickel Plating & Mfg. Co., 327 E 63d, New York**
**Scovill Mfg. Co., Waterbury, Conn.**
*See adv index at end of book*
Stover Mfg. & Engine Co. (Handles, Knobs, Hinge Pins, etc), Freeport, Ill.
Troy Nickel Works, Albany, N. Y.
Vitreous Enameling Co. (Enameled Stove Parts), Grant av, Cleveland, O.
*See adv index at end of book*

GENUINE VITREOUS PORCELAIN ENAMELED
Stove Parts---Table Tops
Reflectors---Railway Signals
Developing Trays
Vitreous Enameling Co.
6800 Grant Ave., Cleveland, Ohio

**Wehrle Co., Newark, O.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Worcester Pressed Steel Co. (Steel Knobs), Worcester, Mass.**

## 14396— Stoves (Acetylene)

Acetylene Stove Mfg. Co., 1265 W 2nd, Cleveland, O.
**Colt J. B. Co., 30 E 42d, New York**

## 14397— Stoves (Air Tight)

**Duluth Corrugating & Roofing Co., Duluth, Minn.**
**Keeley Stove Co., ("Columbian"), Columbia, Pa.**
Kinne Mfg. Co., 1401 Central av, Minneapolis, Minn.
Richmond Stove Co., Richmond, Va.
**Southern Stove Works ("Tip Top"), Richmond, Va.**

## 14398— Stoves (Alcohol)

**Bing John (Imported), 381 4th av, New York**
**Buffalo Mfg. Co. (Burning Denatured Alcohol), Buffalo, N. Y.**
Dangler Stove Co., 5017 Perkins av, ("Dangler"), Cleveland, O.
Durkee Chas. D. & Co., 2 South, New York
Houchin Thos. W. Co. ("Houchin's," "Sunburst"), 36 E 12th, New York
Howler Mfg. Co. (Denatured), Cleveland, Ohio
**Lynd L. E. Mfg. Co., Mechanicsville, N. Y.**
Manning-Bowman & Co., Meriden, Conn.
Quincy Foundry & Novelty Co. ("Noxall" Denatured), Quincy, Ill.
Silver & Co. ("Silver"), 304 Hewes, Brooklyn, N. Y.
Sweeney W. H. Mfg. Co. ("Meteor"), 30 Main, Brooklyn, N. Y.
Theroz Co. ("Theroz"), 233 B'way, New York

## 14399—Stoves (Alcohol Vapor)

Fargo E. A. Co. (Aluminum), Taunton, Mass.
Landers, Frary & Clark ("Universal"), New Britain, Conn.
Manning-Bowman & Co., Meriden, Conn.
Rochester Stamping Co., Rochester, N. Y.
Sternau S. & Co., 9 E 37th, New York

## 14400—Stoves (Bakers' Gas)

Hoerlein F. G. ("Hoerlein"), 200 Nostrand av, Brooklyn, N. Y.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
**Watkins Jas. Y. & Son, 20 Catherine, New York**

## 14401— Stoves (Brass Founders' Drying)

**Barnett Oscar Foundry Co. (Round & Square), Irvington, N. J.**

## 14402— Stoves (Brooder)

**Simplex Brooder Stove Co., Grand Rapids, Mich.**

## 14403— Stoves (Caboose)

**Bell C. S. Co. (Also Heavy Heating), Hillsboro, O.**
Buda Co. ("Volcano," "Lewis"), Railway Exchange bldg, Chicago, Ill.
Fuller-Warren Co., ("Stewart"), 32nd & **Wright, Milwaukee, Wis.**
Gray & Dudley Hardware Co. ("Nebo"), Nashville, Tenn.
Green's Car Wheel Mfg. Co. ("Cannon"), 3000 N B'way, St. Louis, Mo.
Jewett & Co., Buffalo, N. Y.
Richmond Stove Co., 2506 E Main, Richmond, Va.
Ross-Meehan Foundries, Chattanooga, Tenn.
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
**Sexton S. B. Stove & Mfg. Co., 500 Block W Conway, Baltimore, Md.**
Southern Stove Works ("Tip Top"), Richmond, Va.
Stove & Range Co. of Pittsburgh, Preble av nr Superior Bridge, Pittsburgh, Pa.
United Iron Works, Inc., Kansas City, Mo.

## 14404— Stoves (Camp)

American Gas Machine Co., Albert Lea, Minn.
**AMERICAN GAS MACHINE CO., INC.** (& Camp Utensils), 78 Reade, New York
Baxter W. E. (Portable), Louisville, Ky.
Cree D. W., Griggsville, Ill.
**Crider E. I. & Son, Silex, Mo.**
Dutwiler M. E., Los Angeles, Cal.
Excelsior Stove & Mfg. Co. ("National"), Quincy, Ill.
Kuder Chas V. & Co., 5315 Wentworth av, Chicago, Ill.
Quad Stove Mfg. Co. ("Quad"), Columbus, Ohio
Richmond Stove Co., 2506 E Main, Richmond, Va.
Rippley Mfg. & Steel Boat Co., Grafton, Ill.
Southern Stove Works ("Tip Top"), Richmond, Va.
Theroz Co. ("Theroz" Alcohol), 233 B'way, New York
Wehrle Co., Newark, O.

## 14405-6— Stoves (Car)

Buda Co. ("Volcano," "Lewis," "Giant," Caboose & Station), Railway Exchange bldg, Chicago, Ill.
Germer Stove Co. ("Radiant," Car Furnace), Erie, Pa.
Jewett & Co., Buffalo, N. Y.
Michigan Stove Co., Adair & Jefferson, Detroit, Mich.
Murray Iron Works Co., Burlington, Ia.
Peninsular Stove Co., Detroit, Mich.
Richmond Stove Co., Richmond, Va.

## 14407—Stoves (Combination Coal & Gas)

Christie B B. (Gas), Dayton, O.
Floyd-Wells Co. (" Bengal "), Royersford, Pa.
Fuller-Warren Co., 32d & Wright, Milwaukee, Wis.
Jewett & Co., Buffalo, N. Y.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Keeley Stove Co. ("Columbian"), Columbia, Pa.
Prizer-Painter Stove Co., Reading, Pa.
**Reading Stove Works (Orr, Painter & Co.) ("Sunshine") Reading, Pa.**
Sheppard Isaac A. Co., Land Title bldg, Phila., Pa.
**Spengler-Loomis Mfg. Co., 58 E Washington, Chicago, Ill.**

## 14408—Stoves (Confectioners')

Meek Oven Mfg. Co., Newburyport, Mass.
Mount Penn Stove Works, Reading, Pa.
Peninsular Stove Co., Detroit, Mich.
Watkins Jas. Y. & Son, 20 Catherine, New York

## 14409— Stoves (Electric)

See also Ranges, Electric

Caloric Co., Janesville, Wis.
Copeman Electric Stove Co. ("Copeman" Automatic), Flint, Mich.
Diamond Electric Co. ("Delco"), Binghamton, N. Y.
Edison Electric Appliance Co., Inc. (Hotpoint Div.), 5600 W Taylor, Chicago, Ill.
Fox Elec'l Corp., 119 W 52nd, New York
Landers, Frary & Clark, New Britain, Conn.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Russell Electric Co. ("Hold Heet," "Grill" Disc), 140 W Austin, Chicago, Ill.
Rutenber Electric Co., Marion, Ind.
Shaler C. A. Co. ("Shaler" Electric), Waupun, Wis.
Standard Stamping Co. ("Armstrong" Table), Huntington, W. Va.

## 14410—Stoves (Electric Disc)

**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Rochester Stamping Co., Rochester, N. Y.
Shaler C. A. Co., Waupun, Wis.

## 14411— Stoves (Franklin)

Colonial Fireplace Co., 4631 W 12th, Chicago, Ill.
**JACKSON EDWIN A. & BRO. (INC.),** 50 Beekman, New York
*See adv index at end of book*
Richmond Stove Co., Richmond, Va.

## 14412— Stoves (Galley)

Stamford Foundry Co. ("Shipmate"), Stamford, Conn.

## 14413— Stoves (Gasoline)

A. B. Stove Co., Battle Creek, Mich.
American Gas Mach. Co., Inc., Albert Lea, Minn.
American Stove Co. ("Quick Meal," "Jewell," "Reliable," "Dangler," "New Process," "National"), 827 Chouteau av, St. Louis, Mo.
Clark Geo. M. & Co. ("Jewell"), 179 N Michigan av, Chicago, Ill.
Detroit Foundry Co. ("Sun"), 1 E Gd blvd & Respello, Detroit, Mich.
Detroit Vapor Stove Co., 1633 Kercheval, Detroit, Mich.
Excelsior Stove & Mfg. Co. ("Monarch"), Quincy, Ill.
Insurance Foundry Co., Covington, Ky.
King Light Co., Peoria, Ill.
National Stove Co. (American Stove Co.), Lorain, O.
Rutherford J. & Son, Akron, O.
Schneider & Trenkamp Co. ("Reliable" Vapor, etc), Cleveland, O.
Tures Mfg. Co., 394 6th, Milwaukee, Wis.
**WAXHAM LIGHT CO.,** 318 W 46th, New York. *See adv index at end of book*
Wehrle Co. Newark, O.

## 14414—Stoves, Heaters & Ranges (Gas)

A. B. Stove Co. ("New Idea" Ranges), Battle Creek, Mich.
Abendroth Bros. ("York" Ranges; also Coal), Port Chester, N. Y.
Acme Stove & Range Co., Carnegie, Pa.
Adams Bros. Mfg. Co., Fayette & Chartiers, Pittsburgh, Pa.
Adler H. Co., Carnegie, Pa.
American Beauty Stove Co. ("American Beauty"), Erie, Pa.
American Foundry & Machine Co., Hamilton, O.
American Stove Co. ("Quick Comfort" Heaters, "Quick Meal," "Reliable" & "Jewell" "National" & "New Process" Stoves), 827 Chouteau av, St. Louis, Mo.
Anchor Stove & Range Co. ("Anchor," Ranges & Heaters), New Albany, Ind.
Anderson Gas Appliance Co. (Stoves), Anderson, Ind.
Art Stove Co., Russell & Milwaukee, Detroit, Mich.
Baker Stove Works, Belleville, Ill.
Baltimore Gas Appliance & Mfg. Co. ("Oriole"), Bayard & Hamburg, Baltimore, Md.
Bardes E. H. Range & Foundry Co., Cincinnati, O.
Barstow Stove Co., 116 Point, Providence, R. I.
Bauch Walter (Gas Stoves), 8651 Vincennes rd, Chicago, Ill.
Bellaire Stove Co., Bellaire, O.
Belleville Stove & Range Co. ("St. Clair" Ranges), Belleville, Ill.
Best Stove Co. (Ranges), 39 Atwater E, Detroit, Mich.
Block I. & Son, 393 Pearl, New York
Boston Stoves Foundry Co., 210 Border, Boston, Mass.
Boynton Furnace Co. (& Coal), ("Newport"), 106 W 37th, New York
Brooks Burner Stove Co., Ardmore, Okla.
Bucks Stove & Range Co., 3500 N 2d, St. Louis, Mo.
Buffalo Co-Operative Stove Co. ("Amherst" Ranges), Buffalo, N. Y.
Central Oil & Gas Stove Co. (No Ranges), Gardner, Mass.
Century Mfg. Co. (Gas Stoves), 453 Canal, New York
Century Stove & Mfg. Co. ("Century"), Johnstown, Pa.
Chambers Mfg. Co., Shelbyville, Ind.
Champion Stove Co., 4001 W 45th, Cleveland, O.
Charter Oak Stove & Range Co., Antelope & Conduit, St. Louis, Mo.
Charpiot & Mills Mfg. Co., Toledo, O.
Clark Geo. M. & Co. ("Clark Jewel"), 179 N Michigan av, Chicago, Ill.
Columbia Gas Stove Co., Huntington, W. Va.
Continental Brass & Foundry Co., 21 S 4th, St. Louis, Mo.
Co-Operative Foundry Co. ("Red Cross"), Rochester, N. Y.
Crane Wm. M. Co. ("Vulcan" Stoves, Heaters & Ranges), 16 W 32d, New York
Culter & Proctor Stove Co. ("Peoria" Heaters, "Lexington" Ranges), Peoria, Ill.
Dangler Stove Co. ("Gem"), 5017 Perkins av, Cleveland, O.
Daniels Geo. A., 100 William, New York
Danville Stove & Mfg. Co., Danville, Pa.
Detroit Heating & Lighting Co. (Stoves & Ranges), Lieb & Wight, Detroit, Mich.
Detroit Stove Works ("Detroit Jewell" Stoves & Ranges), 1320 Jefferson av, Detroit, Mich.
Detroit Vapor Stove Co., 1633 Kercheval, Detroit, Mich.
Eclipse Gas Stove Co. ("Eclipse"), Rockford, Ill.
Economy Stove Co. ("Economy" Ranges), 2108 Superior, Cleveland, O.
Eclipse Stove Co. ("Eclipse" "Premo"), Mansfield, O.
Ephrata Stove Wks., Ephrata, Pa.
Eriez Stove & Mfg. Co. ("Hottentot," "Eriez," "Ideal," "Utility" & "Indian Queen" Ranges, also Heaters), Erie, Pa.
Estate Stove Co. ("Estate"), Hamilton, O.
Excelsior Stove & Mfg. Co. ("Monarch" Stoves), Quincy, Ill.
Favorite Stove & Range Co. ("Favorite" Ranges), Piqua, O.
Florence Mfg. Co. (Stoves & Heaters), Florence, Mass.
Fuller-Warren Co. ("Stewart"), 32nd & Wright, Milwaukee, Wis.
Fuller & Warren Co. ("Stewart" Ranges), Troy, N. Y.
Galusha Stove Co., Rochester, N. Y.
Gem City Stove Mfg. Co., Quincy, Ill.
General Gas Appliance Co., 103 Park av, New York
Germer Stove Co. ("Radiant Home" Heaters & Ranges), Erie, Pa.
Grinberg Bros., 154 South, New York
Hale & Kilburn Co. (Steel), 1800 Lehigh av, Phila., Pa.
Heath Stove & Heating Co., 503 W Franklin, Baltimore, Md.
Heating Supply & Repair Co. (Range), Elizabeth, N. J.
Hoerlein F. G. (Bakers' Gas Stoves), 200 Nostrand av, Bklyn., N. Y.
Howard Stove Co., Beaver Falls, Pa.
Huenefeld Co. ("Boss" Ranges), Cincinnati. O.
Independent Register & Mfg. Co., 713 Frankfort, Cleveland, O.
Iron City Stove & Fdry. Co., Bristol, Va.
Ironton Incandescent Light & Supply Co., Ironton, Ohio
Jamestown Gas Stove Corp., Corry, Pa.
Jewett & Co., Buffalo, N. Y.
Joplin Stove Co., Joplin, Mo.
Kalamazoo Stove Co. ("Kalamazoo" Ranges), Kalamazoo, Mich.
Kaufman A. G. Mfg. Co. ("Radion" Portable Gas Jet, Heater & Cooking Stove), 210 5th av, New York
Klaine F. A. Co. ("Good Will" Ranges), Front & Central, Cincinnati, O.
Lawson O. P. Co. ("Palace," "Luxury," "Venus," "Flora," "Radium," "Radix," "Fairy" Radical Gas Heaters), Homestead, Pa.
Lindeman A. J. & Hoverson Co. (Ranges), Milwaukee, Wis.
Lynott Stove & Churn Wks., Louisiana, Mo.
Magee Furnace Co., 38 Union, Boston, Mass.
Majestic Mfg. Co., 2014 Morgan, St. Louis, Mo.
Malleable Steel Range Mfg. Co. (Gas Stoves), South Bend, Ind.
Manhattan Gas Heating Co. ("Manhattan"), 909 7th av, New York
Mentels (The), (Stoves), Springfield, O.
Michigan Stove Co. ("Garland;" also Appliances), Adair & Jefferson, Detroit, Mich.
Miller Wm. Range & Furnace Co. (Ranges), 125 E 5th, Cincinnati, O.
Monitor Stove Co. ("Monitor" Ranges), C. H. & D. Ry, nr Gest, Cincinnati, O.
Mott J. L. Iron Works, Trenton, N. J.
National Stove Co. (Am. Stove Co.), Lorain, O.
Naylor Bros., Peekskill, N. Y.
New Method Co. (For Manufactured or Natural Gas Heating & Cooking), Mansfield, O.
New Process Stove Co., 4415 Perkins av, Cleveland, O.
Novelty Mfg. Co. (Heaters Only), Jackson, Mich.
Noyes & Nutter Mfg. Co., Bangor, Me.
Odin Stove Mfg. Co. (Cooking "Royal," "Rival," "Modern," "Erie," "Gem," "Viking"), Erie, Pa.
Ohio State Stove Co. ("Ossco" Stoves), Columbus, O.
Peerless Stove & Mfg. Co. ("Peerless"), Columbus, O.
Peninsular Stove Co., Detroit, Mich.
Penna Furnace & Stove Co. ("Penna" Stoves Only), Warren, Pa.
Pioneer Stove & Stamping Co., Tacoma, Wash.
Portsmouth Stove & Range Co., Portsmouth, O.
Progress Furnace Co., Springfield, O.
Quad Stove Mfg. Co. ("Quad" Ranges), Columbus, O.
Queen Bee Stove Co., Tulsa, Okla.
Rathbone Sard & Co. ("Acorn"), Albany, N. Y.
Reliable Stove Co. Div. of American Stove Co. ("Reliable" Ranges, Heaters, Stoves & Gas Water Heaters), 1782 E 40th, Cleveland, O.
Republic Stove & Mfg. Co. ("Republic" Ranges), 1802 E 40th, Cleveland, O.
Reznor Mfg. Co. (Gas Stoves), Mercer, Pa.
Roberts & Mander Gas Stove Co. ("Quality" Ranges), Wash'n av, c S 11th, Phila., Pa.
Royal Stove Co. (Gas Stoves), Spring City, Pa.
Rutherford J. & Son, Akron, O.
St. Paul Gas Appliance Co., St. Paul, Minn.
Sanitary Heating Co. ("Solar Ground"), 233 37th, B'klyn, N. Y.
Sanitary Stove Mfg. Co. (Stoves), Benton, Ill.
Schuyler W. S. (Stoves), Savannah, Mo.
Scranton Stove Works ("Dockash" Ranges), Scranton, Pa.
Sexton S. B. Stove & Mfg. Co. (Stoves & Ranges), 500 Block W, Conway, Baltimore, Md.
Sheppard Isaac A. Co., ("Imperial Excelsior" Ranges), Land Title bldg, Phila., Pa.
Sheridan Stove Co. (Natural Gas), Quincy, Ill.
Sill Stove Works ("Sterling" Gas & Coal Ranges, Warm Air Harness), Rochester, N. Y.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Slattery J. B. & Bros. (Stoves), 108 Lawrence, Brooklyn, N. Y.
Smith & Anthony Co. ("Hub" Ranges), 52 Union, Boston, Mass.
Somersworth Foundry Co., Salmon Falls, N. H.
Southard-Robertson Co. ("Magnetic"), Peekskill, N. Y.
Spence-Baggs Stove Co., Martins Ferry, O.

Stamford Gas Stove Co., Stamford, Conn.
Standard Furnace & Range Co., Louisville, Ky.
Standard Range & Stove Co., 32 Union, Boston, Mass.
Star Foundry Co., Covington, Ky.
Stove & Range Co. of Pgh. (Stoves, Heaters & Ranges), Preble av nr Superior bridge, Pittsburgh, Pa.
Strand Heater & Mfg. Co. ("Strand" Gas Heater), 7804 Wade pk, Cleveland, O.
Summit Foundry Co. ("Summit"), Geneva, N. Y.
Summit Stove Wks., Morrison, Ill.
Taplin, Rice, Clerkin Co., Akron, O.
Thomas Oscar G. Co., Taunton, Mass.
Thomas, Roberts, Stevenson Co. ("Fortune" Ranges), American & Dauphin, Phila., Pa.
Toledo Stove & Range Co., Toledo, O.
Trenkamp Stove & Mfg. Co., 9806 Quincy av, Cleveland, O.
Union Mfg. Co., Boyertown, Pa.
Union Stove Works ("Astor" Radiator), 70 Beekman, New York
Van Zandt Gas Appliance Co. (Stoves & Heaters), 4050 Olive, St. Louis, Mo.
Vesta Gas Range & Mfg. Co. (Stoves & Ranges), Chattanooga, Tenn.
Victor Stove Co., Salem, O.
Walker & Pratt Mfg. Co. ("Crawford" Ranges), 31 Union, Boston, Mass.
Waterman & Bro. (Gas Stoves), 195 Lewis, New York
Wehrle Co. (Ranges & Stoves), Newark, O.
Weir Stove Co. ("Glenwood" Ranges), Taunton, Mass.
Wetter H. Mfg. Co., S Pittsburgh, Tenn.
White Thos. Stove Co. ("Bacon"), Quincy, Ill.
White-Warner Co. ("Household" Ranges), Taunton, Mass.
Wilson Stove & Mfg. Co., Easton, Pa.
Wincroft Stove Works ("Wincroft" Ranges, Gas & Coal), Middletown, Pa.
Wood S. L., 1249 S Figueroa, Los Angeles, Cal.
Wotherspoon J. R., 238 N Front, Phila., Pa.
Wybel Stove & Chandelier Co. (Gas Stoves), Akron, O.

## 14415— Stoves (Hot Blast)

American Stove Co., 827 Chouteau, St. Louis, Mo.
Amsler Morton Co. (For Gas or Air), Farmers Bank bldg, Pittsburgh, Pa.
Cole Mfg. Co., 3218 S Western av, Chicago, Ill.
Comstock-Castle Stove Co., Quincy, Ill.
Co-operative Foundry Co., Rochester, N. Y.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Foster Stove Co., Ironton, O.
Fuller-Warren Co. ("Stewart"), 32nd & Wright, Milwaukee, Wis.
Gray & Dudley Hardware Co. ("Washington," "Gray," "Grand," & "Pet Oak"), Nashville, Tenn.
Hemp & Co., Vandeventer nr Shaw, St. Louis, Mo.
Kalamazoo Stove Co., Kalamazoo, Mich.
McClure G. W. Son & Co. ("McClure"), Bessemer bldg, Pittsburgh, Pa.
McKee Arthur G. & Co., Cleveland, O.
Meehan Boiler & Construction Co., Lowellville, O.
Mohr John & Sons, 349 W Illinois, Chicago, Ill.
Peninsular Stove Co., Detroit, Mich.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Portsmouth Stove & Range Co., Portsmouth, O.
Quality Stove & Range Co., Belleville, Ill.
Richmond Stove Co., 2506 E Main, Richmond, Va.
Smythe S. R. Co., House bldg, Pittsburgh, Pa.
Southern Stove Works ("Tip Top"), Richmond, Va.
Traylor Engineering Co. ("Traylor," U-Pipe-for Smelting), Allentown, Pa. *See adv index at end of book*

## 14416— Stoves (Laundry)

American Stove Co. ("Quick Meal," "Jewell" & "Reliable" Gas), 827 Chouteau, St. Louis, Mo.
Belleville Stove & Range Co., Belleville, Ill.
Berkheimer & Lammers (Ranges & Heaters), Greenville, O.
Bibb B. C. Stove Co. ("Bibb"), 109 Light, Baltimore, Md.
Chicago Dryer Co. ("Chicago" Gas or Coal), 630 S Wabash av, Chicago, Ill.
Crane Wm. M. Co. ("Vulcan"), 16 W 32d, New York
Detroit Stove Works ("Detroit Jewell"), 1820 Jefferson, Detroit, Mich.
Eclipse Gas Stove Co. ("Eclipse" Gas), Rockford, Ill.
Eclipse Stove Co., Mansfield, O.
Excelsior Stove & Mfg. Co. ("National"), Quincy, Ill.
Fuller & Warren Co. ("Stewart"), Troy, N. Y.
Fuller & Warren Co. ("Stewart"), 32nd & Wright, Milwaukee, Wis.
Glascock Stove & Mfg. Co. ("Carolina"), Greensboro, N. C.
Globe Stove & Range Co., Kokomo, Ind.
Gray & Dudley Hardware Co. ("Rex," "Western," "Bob" & "Pet"), Nashville, Tenn.
Illinois Malleable Iron Co. ("Imico" Heater), 1801 Diversey blvd, Chicago, Ill.
Ils John G. & Co., 839 Mission, San Fran.
Kalamazoo Stove Co., Kalamazoo, Mich.
Keeley Stove Co. ("Columbian"), Columbia, Pa.
Magee Furnace Co., 38 Union, Boston, Mass.
Mahony Mfg. Co., Troy, N. Y.
Malleable Steel Range Mfg. Co., South Bend, Ind.
Michigan Stove Co. ("Garland"), Adair & Jefferson, Detroit, Mich.
Miller Wm. Range & Furnace Co., 125 E 5th, Cincinnati, O.
Peninsular Stove Co., Detroit, Mich.
Pierce, Butler & Pierce Mfg. Corp. ("Little Giant"), 437 E 162d, New York
Pueblo Brass & Iron Foundry, Pueblo, Col.
Reliable Stove Co. Division of American Stove Co. ("Reliable" Gas), 1787 E 40th, Cleveland, O.
Richmond Stove Co., 2506 E Main, Richmond, Va.
Sexton S. B. Stove & Mfg. Co., 500 Block W. Conway, Baltimore, Md.
Sheppard Isaac A. Co., Land Title bldg, Phila., Pa.
Southern Stove Works ("Tip Top"), Richmond, Va.
Sperry D. R. & Co. ("Centennial"), Batavia, Ill.
Superior Foundry Co, 71st & W. & L. E. Ry., Cleveland, O.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Treaty Co., Greenville, O.
Troy Laundry Machinery Co. (Ltd.), 23d & La Salle, Chicago, Ill.
Union Stove Works, 70 Beekman, New York
Walker & Pratt Mfg. Co., 31 Union, Boston, Mass.
Wehrle Co., Newark, O.
Weiskittel A. & Son Co. ("Fire King" Gas), 12th & E Lombard, Baltimore, Md.

## 14417— Stoves (Masons')

Drouve G. Co., 40 Tulip, Bridgeport, Conn.
Littleford Bros., 444 E Pearl, Cincinnati, O.

## 14418— Stoves (Mogul)

Bell C. S. Co., Hillsboro, Ohio

## Stoves (Oil)

See Stoves & Heaters, Oil

## Stoves (Plasterers')

See Salamanders

## Stoves (Sand Drying)

See Sand & Gravel Heaters & Dryers

## Stoves (Toaster, Electric)

See Toasters

## 14419— Stoves (Wood)

Bellaire Stove Co., Bellaire, Ohio
Bibb B. C. Stove Co. ("Puck," "Yule Box," "Hemlock," "Grand Oak," "Druid," "Wildfire," "Witch," "Trilby," "Wizard," Air-Tight), 109 Light, Balti-
Birmingham Stove & Range Co., Birmingham, Ala.
Fuller-Warren Co. ("Stewart"), 32nd & Wright, Milwaukee, Wis.
Globe Stove & Range Co., Kokomo, Ind.
Gray & Dudley Hardware Co. (Heating & Cooking, "Geo. Washington," "Grand," "Reba," "Washington," "Clipper," "Togo"), Nashville, Tenn.
Jewett & Co., Buffalo, N. Y.
Kalamazoo Stove Co., Kalamazoo, Mich.
Keeley Stove Co. ("Columbian") Columbia, Pa.
Knox Stove Works, Knoxville, Tenn.
Michigan Stove Co. ("Garland" Coal & Wood), Adair & Jefferson, Detroit, Mich.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Richmond Stove Co., 2506 E Main, Richmond, Va.
Southern Stove Works ("Tip Top"), Richmond, Va.
Spence-Baggs Stove Co., Martins Ferry, O.
Tenn. Stove Works, Chattanooga, Tenn.
Union Stove Works (Coal & Wood), 70 Beekman, New York
Vesta Gas Range & Mfg. Co., Chattanooga Tenn.

## 14420—Stoves & Heaters (Oil)

American Stove Co. ("Quick Meal," "Reliable," "New Process"), 827 Chouteau av, St. Louis, Mo.
Anthony Co., 9 Jackson av, Long Island City, N. Y.
Barler A. C. Mfg. Co. ("Barler Ideal"), 341 E Ohio, Chicago, Ill.
Block I. & Son, 393 Pearl, New York
Central Oil & Gas Stove Co. ("Florence," "Central," "Light House"), Gardner, Mass.
Cleveland Metal Products Co. ("New Perfection") (Cooking or Heating), 7609 Platt av & C. & P. R. R., Cleveland, Ohio
Coen Co., 112 Market, San Francisco, Cal.
Cranford Oilstove Works, Cranford, N. J.
Dangler Stove Co., 5017 Perkins av, Cleveland, O.
Detroit Foundry Co. ("Sun"), 1 E Grand blvd & Reopelle, Detroit, Mich.
Excelsior Stove & Mfg. Co. ("Monarch" Stoves), Quincy, Ill.
Florence Mfg. Co. (Stoves), Florence, Mass.
Grinberg Bros. ("Eagle"), 154 South, New York
Miller Edw. & Co. ("Miller" Kerosene Heaters), Meriden, Conn.
National Enameling & Stamping Co., 411 5th av, New York
National Stove Co. (American Stove Co.), Lorain, O.
Novelty Mfg. Co. ("Alumino & Electric"), Jackson, Mich.
Oliver Oil Gas Burner & Mach. Co., 1313 N 7th, St. Louis, Mich.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Otis Boiler Co., Inc., 335 W 1st, Oswego, N. Y.
Otto Wm. H. Metal Goods Corp. ("Khotal," Kerosene), Jersey City, N. J.
Rathbone, Sard & Co. (Acorn), Albany, N. Y.
Roberts & Mander Stove Co. ("Quality"), 11th & Wash'n av, Phila., Pa.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Taylor & Boggis Fdry Co ("Summer Girl," "Game," "Magic," "Game Junior" "Pacific" Stoves Only), 1913 W 3rd, Cleveland, O.
Turner Brass Works ("Nowik" Oil Heater), Sycamore, Ill.
Waterman Henry & Bro. (Stoves Only), 195 Lewis, New York
Wheeling Stove & Range Co., Wheeling, W. Va.

## 14421— Straight Edges

Athol Machine Co. (Steel Hardened & Ground), Athol, Mass.
Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
Brown & Sharpe Mfg. Co. (Cast Iron, Knife Edge, Steel Hardened & Ground), Providence, R. I.
Covel Mfg. Co. (Saw), Benton Harbor, Mich.
Disston Hy. & Sons, Tacony, Phila., Pa.
Goodell-Pratt Co. ("Mass. Tool Co."), Greenfield, Mass.
Hub Machine Welding & Contracting Co. (Cast Iron), 450 N 12th, Phila., Pa.
Keuffel & Esser Co. (Steel Flexible), Hoboken, N. J.

STRAIGHT EDGES—continued
Oldham New York Saw Works, 112 86th, Brooklyn, N. Y.
Pratt & Whitney Co. (Knife Edge), Hartford, Conn.
Sawyer Tool Mfg. Co. (Steel Hardened & Ground), Ashburnham, Mass.
**SIMONDS MFG. CO.,** Fitchburg, Mass.
*See adv index at end of book*
**STARRETT L. S. CO. (THE)** (Steel, Hardened & Ground), Athol, Mass.
*See adv index at end of book*
Vulcan Tool Mfg. Co., Quincy, Mass.

## 14422— Straighteners & Cutters (Core Wire)

Lewis Machine Co., 6303 Central, Cleveland, O.
**WORTHINGTON PUMP & MACHY. CORP.,** 115 B'way, New York
*See adv index at end of book*

## 14423— Strainers (Air)

Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*
**WESTINGHOUSE AIR BRAKE CO.,** Pittsburgh, Pa.
**WESTINGHOUSE TRACTION BRAKE CO.,** Pittsburgh, Pa.
Wright Austin Co. ("Wright"), 97 Woodbridge, Detroit, Mich.

## 14424— Strainers (Cesspool)

Acheson Mfg. Co., Rankin, Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Trenton Brass & Machine Co. (Brass), Trenton. N. J.

## Strainers (Coffee)

See Strainers, Tea & Coffee

## 14425—Strainers (Conductor & Eave Trough)

Alberne Stove Co., 223 E 23d, New York
Andrews Wire & Iron Works, Rockford, Ill.
Berger Mfg. Co., Canton, O.
Bromwell Brush & Wire Goods Co., 612 W 6th, Cincinnati, O.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Hamblin & Russell Mfg. Co. (Galv. Wire), Worcester, Mass.
Jelliff C. O. Mfg. Corp., Southport, Conn.
Lamb & Ritchie Co., Cambridge, Mass.
Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
Meyers F. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Milwaukee Corrugating Co., Milwaukee, Wis.
Parker Wire Goods Co., Worcester, Mass.
Racine Iron & Wire Wks., Racine, Wis.
Reeves Mfg. Co., Dover, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Souther E. E. Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Young Mfg. Co., Bellevue, Ia.

## 14426— Strainers (Cup)

Hauptman A., 23 Leonard, New York

## 14427— Strainers (Floor)

Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
National Brass Mfg. Co., Rochester, N. Y.

## 14428-9—Strainers (Fruit)

Tate Mfg. Co. ("Just-the-thing"), Strainer & Jelly Bag Combined), 48 Hanover, Boston, Mass.

## 14429a— Strainers (Gasoline)

Bousman Mfg. Co., Grand Rapids, Mich.
Breeze Carburetor Co. ("Breeze"), 250 South, Newark, N. J.
Buckeye Iron & Brass Works, Dayton, O.
Carter Carburetor Co. ("Carter"), 2840 N Spring, St. Louis, Mo.
Denver Auto Goods Co., Denver, Colo.
**Generator Valve Co., 47 Dinsmore pl., Brooklyn, N. Y.**
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Gleason-Peters Air Pump Co., 384 Classon av, Brooklyn, N. Y.
Halladay L. P. Co., Streator, Ill.
Hancock Mfg. Co. ("Hancock"), Charlotte, Mich.
Hatcher Auto Parts Co., Cleveland, O.
Imperial Brass Mfg. Co. ("Imperial"), 524 S Racine av, Chicago, Ill.
Jelliff C. O. Mfg. Corp. (20 Specifications), Southport, Conn.
Kraft A. C., 323 W Lake, Chicago, Ill.
Lindley W. H. Co. (Lindley"), Canastota, N. Y.
**LUNKENHEIMER CO.** ("Trusty"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Marvel Carburetor Co. ("Marvel"), Flint, Mich.
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
*See adv index at end of book*
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Sexton Can Co. ("Sexton"), 123 Broad, Boston, Mass.
U. S. Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*
Wheeler-Schebler Carburetor Co. ("Schebler"), Indianapolis, Ind.
Wilcox, Crittendent Co., Inc., Middletown, Conn. *See adv index at end of book*
Williams D. T. Valve Co. ("Williams"), Cincinnati, O.

## Strainers (Gutter)

See Strainers, Conductor & Eave Trough

## 14429b— Strainers (Horizontal Pump)

**WORTHINGTON PUMP & MACHINERY CORP.,** 111 B'way, New York
*See adv index at end of book*

## 14430— Strainers (Hose)

American Injector Co., 173 14th av, Detroit, Mich.
Edna Brass Mfg. Co., Cincinnati, O.
Elkhart Brass Mfg. Co. (Brass Suction for Fire Dept.), Elkhart, Ind.
**Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.**
*See adv index at end of book*
Hancock Inspirator Co., 119 W 40th, New York
Penberty Injector Co., 346 Holden av, Detroit, Mich.
Self-Cleaning Strainer Co. (For Steam, Water, Air & Gas Lines), 6329 Stewart av, Chicago, Ill.

## 14431— Strainers (Injector)

Elkhart Brass Mfg. Co. (Also Ejector), Elkhart, Ind.
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Ohio Injector Co., Wadsworth, O.

## 14432—Strainers (Irrigating)

Butler Co., Butler, Ind.

## 14433—Strainers (Locomotive Water)

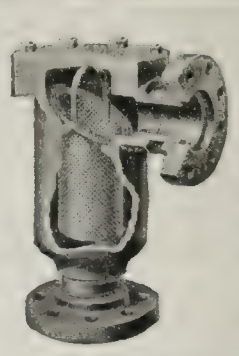
Handlan-Buck Mfg. Co. ("Hayes"), 210-14 N 3d, St. Louis, Mo.

## 14434— Strainers (Milk)

Central Stamping Co., 172 Fulton, New York
National Enameling & Stamping Co., 411 5th av, New York
Sanitary Strainer Co. ("Fribery"), Maiden Rock, Wis.

## 14434a—Strainers (Oil & Water)

**ANTHONY CO.,** 9 Jackson av, Long Island City, N. Y.
**GRISCOM-RUSSELL CO.** (G-R Single), 92 West, New York
*See adv index at end of book*

**G-R STRAINER**

for the removal of foreign material in suspension from fuel or lubricating oil or water. If operated in sets of two, permits cleaning without interruption of service.

**THE GRISCOM-RUSSELL CO.**
92 West Street New York


Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*

## 14435— Strainers (Oil Well)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Herron R. H. Co., 934 N Alemeda, Los Angeles, Cal.
Houston Iron Works, Houston, Tex.
Layne & Bowler Co., Houston, Tex.
McEvoy J. H. & Co., Houston, Tex.
Plant Engng. & Equipt. Co., 11 John, New York
Schutte & Koerting Co. (Oil Duplex), 1251 N 12th, Phila., Pa.
**Stancliff Well Screen & Mfg. Co., Houston, Tex.**

## 14436— Strainers (Paint)

Kraft A. C., 323 W Lake, Chicago, Ill.

## 14437— Strainers (Pipe)

Advance Mfg. Co., Erie, Pa.
Central Foundry Co., 90 West, New York
Morse A. J. & Son, Inc., 221 High, Boston, Mass.
Pancoast Henry B. Co. ("Extra Leaky"), 900 N Front, Phila., Pa.
Progressive Iron Foundry & Machine Co., ("Purity"), Haydenville, Mass.
Republic Metalware Co., Buffalo, N. Y.
Spray Engng. Co. ("Spraco" Self-Cleaning), 93 Federal, Boston, Mass.
*See adv index at end of book*

"SPRACO"
Pipe Strainers
SPRAY ENGINEERING CO.
93 Federal St.,
BOSTON, MASS.


## 14438— Strainers (Pressure)

Lagonda Mfg. Co., Springfield, O.
Progressive Iron Foundry & Machine Co. ("Purity"), Haydenville, Mass.
Spray Engng. Co. ("Spraco" Self-Cleaning), 93 Federal, Boston, Mass.
*See adv index at end of book*

"SPRACO"
Pressure Strainers
SPRAY ENGINEERING CO.
93 Federal St.,
BOSTON, MASS.

## 14439— Strainers (Sink)

American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco"), Waterbury, Conn.
Andrews Wire & Iron Works ("Vrooman's" "Aunt Dinah's"), Rockford, Ill.
Barber Mfg. Co. (Painted), Ashtabula, O.
Blairsville Sanitary Co., Blairsville, Pa.
Cassady Fairbank Mfg. Co. ("Duffys"), 6126 S La Salle, Chicago, Ill.
Central Stamping Co. ("Perfect"), 172 Fulton, New York
Columbian Enameling & Stamping Co. (Enameled), Terre Haute, Ind.
Frost Mfg. Co. (Basin & Sink), Kenosha, Wis.
Gray Iron Foundry Co. (Cast Iron), Reading, Pa.
Geuder, Paeschke & Frey Co. ("Cream City"). 1314-1700 St. Paul av, Milwaukee, Wis.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Minerva Mfg. Co., Minerva, O.
Modern Iron Works, Quincy, Ill.
National Enameling & Stamping Co. (Steel etc), 411 5th av, New York
Parker Wire Goods Co. (Wire), Worcester, Mass.
Presteel Co., Grafton, O.
Republic Metalware Co. (The) ("Protex" Dripless), Buffalo, N. Y.
Roseland Can & Specialty Co. ("Century," "New Diamond"), Rockford, Ill.
Silver & Co. ("Brooklyn"), 304 Hewes, Brooklyn, N. Y.
Trenton Brass & Machine Co. (Basin & Sink), Trenton, N. J.
Waterbury Mfg. Co., Waterbury, Conn.
Wickwire Spencer Steel Corp. ("Boston"), Worcester, Mass.
*See adv index at end of book*
Wire Goods Co., Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.

## 14440— Strainers (Suction)

Elliott B. K. Co. (Single, Twin, Triple, Multiple & Intake), 126 6th, Pittsburgh, Pa. *See adv index at end of book*
Dunham C. A. Co., 343 S Dearborn, Chicago, Ill.
Lagonda Mfg. Co. ("Lagonda" Multiple Water Strainer), Springfield, O.
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
Medina Stamping & Mach. Co., Medina, N. Y.
Monash-Younker Co., 1407 W Jackson blvd, Chicago, Ill.
Rosedale Foundry & Machine Co. ("Holt" Automatic for Water of Pressure), Columbus & Preble, Pittsburgh, Pa.
Schutte & Koerting Co. ("Schutte-Koerting"), 1251 N 12th, Phila., Pa.

## 14441—Strainers (Sugar Juice)

LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
O'Neill Iron Works, Inc., 268 Perry, Buffalo, N. Y.

## 14442—Strainers (Tea & Coffee)

Buckeye Aluminum Co., Wooster O.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Fargo E. A. Co. (Aluminum), Taunton, Mass.
Hamblin & Russell Mfg. Co. ("Never Tip" Wire, "No Wobble" Spout, "Hub" Never Drip, etc), Worcester, Mass.
Jewett Stamping & Enamelling Co. ("Jewett" White Enameled), Jewett, O.
Parker Wire Goods Co., Worcester, Mass.
Peoria Can Co., Peoria, Ill.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
Utility Mfg. Co., 819 Granby, Baltimore, Md.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Woods-Sherwood Co., Worcester, Mass.

## 14443—Strainers (Tubular Well)

Cook August D. ("Cook's" Brass), Lawrenceburg, Ind.
Mark Mfg. Co., Evanston, Ill.
Smith C. G. Artesian Well Co. (Brass & Galvanized Iron), 132 High, Boston, Mass.

## 1444— Strainers (Urinal)

ACHESON MFG. CO., Rankin, Pa.
*See adv index at end of book*
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Hach Richard G. ("Hach"), 159 E 26th, New York
Haines, Jones & Cadbury Co., 1136 Ridge, av, Phila., Pa.
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Milwaukee Brass Mfg. Co. ("Bee Hive"), 251 Laplan, Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Trenton Brass & Machine Co. (Bee Hive), Trenton, N. J.

## 14445—Strand (Galvanized)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

## 14446—Strand (Stone Sawing)

Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.

## 14447— Strapping (Mill)

Edmands Arthur B. Co., 180 Main, Pawtucket, R. I
Graton & Knight Mfg. Co., Worcester, Mass.
Graton & Knight Mfg. Co., 247 Mission, San Francisco, Cal.

## 14448— Straps (Anchor)

Clark W. J. Co., Salem, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Londelius C. A. & Sons Co. (Pin), 847 W 63d, Chicago, Ill.
O'Leary Arthur J. & Son Co., 65th & S 57th av, Chicago, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Streeter Clip & Specialty Co., 4125 E. Ravenwood av, Chicago, Ill.

## 14449— Straps (Automobile)

Backstay Machine & Leather Co., Union City, Ind.
Badger Handle Co., 415 3rd, Milwaukee, Wis.
Brace Leather Goods Co., Pontiac, Mich.
Curry J. W. Co. (Top & Wire), 2615 Cummins, Cincinnati, O.
Empire Weaving & Belting Corp., (Anti Rattling Hood), East Rochester, N. Y.
Graton & Knight Mfg. Co., Worcester, Mass.
New York Leather Belting Co., 465 Kent av, B'klyn, N. Y.

## 14450—Straps (Baggage Check)

American Railway Supply Co., 134 Charles, New York
Buchheimer Geo. H., 1004 Rutland av, Baltimore, Md.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Graton & Knight Mfg. Co., Worcester, Mass.

## 14451—Straps (Beam Electric)

Steel City Electric Co. ("Fullman"), 1207 Columbus av, Pittsburgh, Pa.

## 14452-3— Straps (Bill)

Detroit Coin Wrapper Co., 15 W Milwaukee, Detroit, Mich.
Eisler Anthony & Co., 227 Canal, New York
Youmans Coin Wrapper Co., 428 Main, Cinn., O.

## Straps (Crate)

See Box Straps

## 14454— Straps (Deckle)

Boston Belting Corp. ("Imperial," "Excelsior," for Fourdrinier Paper Machines), 84 Linden Park, Boston, Mass.
Goodrich B. F. Co., Akron, O.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.

## 14455— Straps (Flush & Supply Pipe)

American Brass & Copper Co., 138 Lafayette, New York

## 14456— Straps (Glazing)

Continental Fibre Co. (Vulcanized Fibre), Newark, Del.
*See adv index at end of book*

## 14457— Straps (Hame)

Williams I. B. & Sons, Dover, N. H.

## 14458— Straps (Hammer)

Harvey Spring & Forging Co., Racine, Wis.
Youngstown Pressed Steel Co. (Pressed Steel Wagon), Warren, O.
*See adv index at end of book*

## 14459— Straps (Hose)

American Brass & Copper Co., 138 Lafayette, New York
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Glauber M. & Co., 103 Varick, New York
Haydenville Co., Haydenville, Mass.
Park & McKay, 55 Bagley av, Detroit, Mich.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Walworth Mfg. Co., Boston, Mass.

## 14460— Straps (Pipe)

American Brass & Copper Co., 138 Lafayette, New York
American Pin Co. ("Ampinco" Brass), Waterbury, Conn.
Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Berger Bros. Co., 229 Arch, Philadelphia, Pa.
Blake Specialty Co. (Wrought Iron, Perforated), Rock Island, Ill.
Cann & Saul, 516 Commerce, Phila., Pa.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Devlin Thos. Mfg. Co. (Malleable Iron), 3d & Lehigh av, Phila., Pa.
Eagle Mfg. Co. (Tinned), Wellsburg, W. Va.
Fee & Mason, 81 Beekman, New York
General Fire Extinguishers Co. (Tinned), Providence, R. I.
Good Mfg. Co., 305 E 134th, New York
Grabler Mfg. Co., Cleveland, O.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Jersey City Galvanizing Co., 74 Morgan, New York
Lalance & Grosjean Mfg. Co. (Wrought Steel, "L. & G"), 299 B'way, New York
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.
Merwin Mfg. Co. (Galvanized Steel), Erie, Pa.
Northwestern Stamping Co., Burlington, Ia.
Peck C. A. Hardware Co. (Galvanized Gas Pipe), Berlin, Wis.
Perkes Chas. (Est. of), 627 Arch, Phila., Pa.
Robinson Mfg. Co., 8123 Bruner S E, Cleveland, O.
Smith & Egge Mfg. Co. (Single & Double), Bridgeport, Conn.
Steele & Johnson Mfg. Co., Waterbury, Conn.
Twisted Wire & Steel Co. ("Fitall"), 437 11th av, New York
Wall P. Mfg. Supply Co., 705 Preble av, Pittsburgh, Pa.
Walworth Mfg. Co., Boston, Mass.
Watrous Acme Mfg. Co., Des Moines, Ia.
Wise J. B., Inc., Watertown, N. Y.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Works (Tinned), Grand Rapids, Mich.

## 14461— Straps (Pitman)

Henry & Allen, Auburn, N. Y.

## 14462— Straps (Pole)

**Bethlehem Steel Co., So Bethlehem, Pa.**
**Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.**

## 14463— Straps (Rebound)

Badger Handle Co., 415 3rd, Milwaukee, Wis.
Empire Weaving & Belting Corp, East Rochester, N. Y.

## 14464— Straps (Roll-Up)

Monarch Carriage Goods Co. ("Monarch" for Carriage Curtains), Cincinnati, O.

## Straps (Singletree)

**See Straps, Pole**

## 14465— Straps (Skate, Trunk, Blanket, Etc.)

Atchison Saddlery Co., Atchison, Kan.
Backstay Machine & Leather Co., Union City, Ind.
Badger Handle Co., 415 3rd, Milwaukee, Wis.
Buchheimer Geo. H. (Leather), 1004 Rutland av, Baltimore, Md.
**Buffalo Weaving & Belting Co. (Cotton), Buffalo, N. Y.**
**Cathrein Mfg. Co. (Also Book, Shawl Webb, 1824 Linden, Brooklyn, N. Y.**
**Chicago Leather & Mercantile Co., 1848 W 14th, Chicago, Ill.**
**Curry J. W. Co. (Trunk), 2615 Cummins, Cincinnati, O.**
Empire Weaving & Belting Corp., East Rochester, N. Y.
**Excelsior Bag & Mfg. Co. ("Excelsior" Skate), Troy, N. Y.**
**Galewski A. & Son, 453 Broome, New York**
**Graton & Knight Mfg. Co., Worcester, Mass.**
**Hudson Belting Co. (Trunk, etc), 3 Eaton pl, Worcester, Mass.**
National Leather Mfg. Co., Niles, Mich.
Nott W. S. Co. (Skate & Trunk), 2d av N & 3d, Minneapolis, Minn.
**Page Belting Co., Concord, N. H.**
**Russell Mfg. Co., Middletown, Conn.**
**Sells J. H. & F. A. Co. (Leather), Chestnut & Pearl, Columbus, O.**
Warren Leather Goods Co., Worcester, Mass.
**Workman H. B. Co. (Cotton), Lititz, Pa.**

## 14466— Straps (Street Car)

Graton & Knight Mfg. Co., Worcester, Mass.
**Railway Improvement Co. ("Rico" Sanitary), 61 B'way, New York**
**Rhoades J. E. & Sons, 12 N 3d, Phila., Pa.**
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Wallace Supplies Mfg. Co. (Hand Straps), 412 Orleans, Chicago, Ill.**

## 14467— Straps (Timber)

**Bethlehem Steel Co., So Bethlehem, Pa.**
**Kansas City Bolt & Nut Co. (Also Bridge), Kansas City, Mo.**

## 14468— Straw Board Mfrs.

**Albany Paper Products Co., Albany, Ind.**
Alton Box Board & Paper Co., Alton, Ill.
American Straw Board Co., Akron, O.
Barrett Co. (Plain & Tarred), 17 Battery pl, New York
Beloit Box Board Co., Beloit, Wis.
Boyle John F. Co., 500 Montgomery, Jersey City, N. J.
**Central Box Board Co., 43d & Racine av, Chicago, Ill.**
Coshocton Straw Paper Co., Coshocton, O.
Creamery Package, 61 W Kinzie, Chicago, Ill.
Crescent Paper Co., Marseilles, Ill.
Hager Straw Board & Paper Co., Xenia, O.
Hartford Board Co., Hartford, Conn.
**HEWITT C. B. & BROS., INC.** (Dealers & Jobbers), 20 Ferry, New York
*See adv index at end of book*
**Indiana Board & Filler Co. (Egg Case Filler), Vincennes, Ind.**
**Lafayette Box Board & Paper Co., Lafayette, Ind.**
**Lydall & Foulds Paper Co., Manchester, Conn.**
**McEwan Bros. (Paper Box Boards), Whippany, N. J.**
**Mount Vernon Straw Board Co., Mount Vernon, Ind.**
**Niles Board & Paper Co., Niles, Mich.**
**Pairpoint Corporation New Bedford, Mass.**
**Paraffine Companies Inc., California Paper & Board Mills, Div, San Francisco, Cal.**
*See adv index at end of book*
**Pemble Wm. & Sons, Stillwater, N. Y.**
**Rockford Paper Box Board Co., Rockford, Ill.**
**Rockford Paper Mills, Rockford, Ill.**
**Terre Haute Paper Co., Terre Haute, Ind.**
**United Paperboard Co., 171 Madison av, New York**
**Wasauc Mills Co., South Glastonbury, Conn.**

## 14469— Straw Stackers

**Aultman & Taylor Machinery Co. (Pneumatic), Mansfield, O.**
**Avery Co. (Automatic, for Threshers), Peoria Ill.**
**Birdsell Mfg. Co., South Bend, Ind.**
**Buffalo Pitts Co. ("Russell" Pattern Wind), Buffalo, N. Y.**
**Emerson-Brantingham Co. "E B," "Geiser Peerless," "Reeves" Wind), Rockford, Ill.**
**Frick Co. (Landis Eclipse Wind), Waynesboro, Pa.**
**Garden City Feeder Co. ("Pella"), Pella, Ia.**
**Harrison Machine Works (Pneumatic), Belleville, Ill.**
**Huber Mfg. Co. (Wind Stackers), Marion, Ohio**
**Indiana Mfg. Co. ("Farmers' Friend"), Merchants Bank bldg, Indianapolis, Ind.**
**Nichols & Shepard Co. (Swinging & Wind), Battle Creek, Mich.**
**Port Huron Engine & Thresher Co. (Pneumatic), Port Huron, Mich.**
**Reeves Pulley Co. (Automatic & Pneumatic), Columbus, Ind.**
**Rumeley Leo, Tractor Co. ("Advance," "Gear Scott" Automatic & Pneumatic), Laporte, Ind.**
**Russell & Co. (Pneumatic, Swinging & Wind), Massillon, O.**
**Russell Wind Stacker Co. (Wind), 1001 Shelby, Indianapolis, Ind.**
**Smith & Sons Mfg. Co., Kansas City, Mo.**
**South Bend Spark Arrester Co. (Wind Hoods), South Bend, Ind.**
**Westinghouse Co., Schenectady N. Y.**

## 14470—Straws (Soda Water)

**Coe Mfg. Co. ("White's" Fluted), 35 Warren, New York**
**Hygeia Antiseptic Toothpick Co., 160 W 14th, N. Y.**
**Stone Straw Co., 30 O, N E, Washington, D. C.**

## 14471— Street Lighting

**See also Posts, Lamp Arc & Tungsten**

**American Gas Machine Co. (Gasoline Apparatus), Albert Lea. Minn.**
**Flour City Ornamental Iron Co. ("Corinthian" Standard Tungsten Lights for Cities), 27th st & 27th av, Minneapolis, Minn.**
**Welsbach Street Lighting Co. (of America), 1924 Market, Phila., Pa.**
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## Street Lighting Standards

**See Posts, Lamp, Arc & Tungsten**

## Street Lighting (Sun Vapor)

**See Lamps, Incandescent Vapor Gas**

## Street Railway Sprinkling Cars

**See Cars, Sprinkling, Street Railway**

## 14472— Street Sprinkler Wagon Tanks

**Acme Road Machinery Co., Frankfort, N. Y.**
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**Littleford Bros., 444 E Pearl, Cincinnati, Ohio**

## 14473—Street Sprinkling Carts & Wagons

Abbott Downing Truck & Body Co., Concord, N. H.
Acme Road Machinery Co., Frankfort, N. Y.
**Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.**
**Etnyre E. D. & Co., Oregon, Ill.**
**Hvass Chas. & Co., 511 E 18th, New York**
**Lansing Co. (Carts), Lansing, Mich.**
Milburn Wagon Co., Toledo, O.
**National Mill & Lumber Co., 5th & Bryant, San Francisco, Cal.**
Port Huron Engine & Thresher Co., Port Huron, Mich.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.
Universal Road Machinery Co. ("Reliance" Oil Sprayer), Kingston, N. Y.
Winkler Grimm Corp., South Bend, Ind.

## 14474—Stretchers (Box Strap)

**CARY MFG. CO.** ("Cary's"), Nassau & Jay, Brooklyn, N. Y.
*See adv index at end of book*
**WIRE & STEEL PRODUCTS CO., INC.,** 417 E 22nd, New York

## 14475— Stretchers (Carpet)

Bradley & Farnham ("Bullard," "Knapp") Middlefield, Conn.
Braunsddorf-Mueller Co. (Extension Handle), Elizabeth, N. J.
Judd H. L. Co., 87 Chambers, New York
Kraeuter & Co., 583 18th av, Newark, N. J.
Lowentraut P. Mfg. Co., 36 Brenner, Newark, N. J.
Mallory C. M., Albion, N. Y.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**
Stortz John & Son, 210 Vine, Phila., Pa.
Taylor Mfg. Co. ("Yankee," Stretcher & Tack Holder), Hartford, Conn.

## 14476— Stretchers (Chair)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
**Minton T. W. & Son, Barbourville, Ky.**
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## 14477— Stretchers (Curtain)

**Acme Mfg. Co. ("Acme"), 1806 East, Pittsburgh, Pa.**
Chicago Curtain Stretcher Co. ("No Piece"), 3725 Wall, Chicago, Ill.
Davis John B. ("Ideal"), Clinton, Me.
**Guth Mfg. Co., 116 E 24th, New York**
Holmquist & Co. ("Home-Kissed"), 2814 W 26th, Chicago, Ill.
Holmquist & Swanson ("National Champion"), Superior & California av, Chicago, Ill.
Steinfeld Bros., 116 W 32d, New York
Stra-Tedge Curtain Frame Co., 4537 Pope av, St. Louis, Mo.
Taylor Mfg. Co. ("Taylor," Polished Steel Tube), Princeton, Ind.
Wagner Curtain Stretcher Co. ("Dewey"), Greensburg, Pa.

## 14478—Stretchers (Electric Wire)

Eureka Co., North East, Pa.
Rittenhouse A. E. Co., Honeoye Falls, N.Y.

## 14479— Stretchers (Glove)

Arlington Works, The (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Celluloid Co., 36 Washington pl, New York
**ESTES E. B. & SONS,** 364 5th av, New York. *See adv index at end of book*
McBride C. L. Mfg. Co. ("McBride" Electric), Toledo, O.

## 14479a— *Stretchers (Hammock)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 14480— Stretchers (Hospital)

Arntzen Co., 808 N Clark, Chicago, Ill.
Bernstein Mfg. Co. (Wheel), 3d & Allegheny, Phila., Pa.
Channon Jas H. Mfg. Co. ("American," Folding), 227 W Erie, Chicago, Ill.
Dougherty H. D. & Co. ("Faultless"), 17th & Indiana av, Phila., Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hospital Supply Co., 153 E 23rd, New York
Kny-Scheerer Co. ("Stokes" Splint, Navy, etc), 404 W 27th, New York
Miller Supply Co., Huntington, W. Va.

## Stretchers (Saw)

See Saw Stretching Machines

## 14481— Stretchers (Shoe)

Anderson A. R. & Co. ("Fitall"), Arlington, N. J.
Horn Wm. H. & Bro. ("Ever Ready"), 451 N 3d, Phila., Pa.

## 14482— Stretchers (Wire)

See also Stretchers, Electric Wire

**AMERICAN STEEL & WIRE CO.** ("Lott," "American," "Double Jack," "A. S. & W."), 208 La Salle, Chicago, Ill. *See adv index at end of book*
American Wire Fence Co. (Wire Fence), 10 S La Salle, Chicago, Ill.
Arcade Mfg. Co., ("Warner," "Dean," "Elwood" & "Little Giant"), Freeport, Ill.
Bridgewater Plow Corp. ("Superior" Wire Fence), Bridgewater, Va.
Burgess & Norton Mfg. Co. ("Bur-Nor," "Zinnis," "Duplex"), Geneva, Ill.
Burr Mfg. Co. (Fence & Wire), Whitney Power bldg, Cleveland, O.
Church Bros. ("Church"), Adrian, Mich.
Cyclone Fence Co. ("Cyclone"), Waukegan, Ill.
Cyclone Woven Wire Fence Co. ("Cyclone"), Cleveland, O.
Decker Mfg. Co., Keokuk, Iowa
Dwiggins Wire Fence Co. ("Perfection," for Woven Wire Fence), Anderson, Ind.
Elliott & Reid Co. ("Royal," for Woven Wire Fence), Richmond, Ind.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Gulf States Steel Co. (Fence), Birmingham, Ala.
Hohulin Bros. ("Success"), Goodfield, Ill.
Hunt, Helm, Ferris & Co. ("Star," "Knoxall," "Elwood," "Endless," "Dean," "Little Giant," "Self Lock," "Sampson," "Big Giant"), Harvard, Ill.
Interlocking Fence Co. ("Interlocking"), Morton, Ill.
Jackson Fence Co. ("Jackson"), Jackson, Mich.
Keystone Steel & Wire Co. ("Samson" for Woven Wire Fence), Peoria, Ill.
Mason Fence Co. ("Bull Dog"), Leesburg, O.
Milwaukee Hay, Tool Co. ("Milwaukee," "Eclipse," "Dandy" Combined Tackle & Stretcher Block), Layton Park, Milwaukee, Wis.
Ney Mfg. Co. ("Ney"), Canton, O.
Northwestern Barb Wire Co. ("Dillon"), Sterling, Ill.
Page Steel & Wire Co. ("Page," New Page), Adrian, Mich.
Peerless Wire Fence Co. ("Lamb"), Adrian, Mich.
Richards-Wilcox Mfg. Co., ("Richards" Tackle Block Self-Locking, "Richards" Continuous & "Glantt"), Aurora, Ill.
Ridgely Trimmer Co., Springfield, O.
Rittenhouse A. E. Co. (For Electric Wire), Honeoye Falls, N. Y.
Smith Hardware & Mfg. Co. ("Franklin," for Woven Wire Fence), De Kalb, Ill.
Smith & Hemenway Co., Inc., 261 H B'way, New York, & 130 H Colt, Irvington, N. J.
*See adv index at end of book*
Strickler Hay Tool Co., Janesville, Wis.
Townsend F. J. (For Stretching Woven & Barbed Wire Fences), Painted Post, N. Y.
Warren Specialty Mfg. Co. ("Neverslip" Stretcher & Staple Puller), Warren, Ohio
Western Steel & Iron Works ("Western"), De Pere, Wis.
Wheaton C. M. & Co., Sunbury, Ohio
Wrightsville Hardware Co. ("Sure Grip" Fence), Wrightsville, Pa.

## 14483— Strike Tache

Blymyer Iron Works Co. (Open Steam, with Copper Coils), Cincinnati, O.

## 14484— Stringers (Fish)

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.

## 14485— Stringers (Ham)

**NICHOLS BROS.** ("Nichols Bros."), Greenfield, Mass.
Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.
U. S. Needle Concern, 912 W Madison, Chicago, Ill.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.

## 14486—Strings (Gut, Tennis Racket, Etc.)

American Gut String Mfg. Co. ("American"), 5415 S Ashland av, Chicago, Ill.
Baumgartner Eugene, 835 W 50th, Chicago, Ill.
Clark Harp Mfg. Co., 416 S Salnia, Syracuse, N. Y.
Cragin Calhoun (Imp. & Selling Agent), 149 B'way, New York
Slazenger Frank L. (Imp.), 12 E 43d New York
Stecher A., 47th & So. Racine av, Chicago, Ill.
Wilson Thos. E. & Co., 701 N. Sangamon, Chicago, Ill.

## 14487— Strings (Hame)

American Lace Leather Co., Richmond, Va.
California Tanning Co., St. Louis, Mo.
Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
Hodapp & Miller, Louisville, Ky.
Musgrave Leather Co., 414 N Front, Baltimore, Md.
New York Leather Belting Co. (Rawhide), 465 Kent av, B'klyn, N. Y.
Page Belting Co., Concord, N. H.
Schieren Chas. A. Co. (Rawhide), 30 Ferry, New York

## 14488— Strings (Musical Instrument)

Baumgartner Eugene, 835 W 50th, Chicago, Ill.
Cragin Calhoun (Imp. & Selling Agent), 149 B'way, New York
Cronk Horace L. (Violin), Battle Creek, Mich.
Gibson Musical String Co., Belleville, N. J.
Koch Ands (Imp), 296 B'way, New York
National Musical String Co., New Brunswick, N. J.
Schaff Piano String Co., 2011 Clybourn av, Chicago, Ill.
Standard Tool & Wire Co., 549 W Washington blvd, Chicago, Ill.
*See adv index at end of book*
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.

## 14489— Strippers (Ingot)

**MORGAN ENGINEERING CO.** (Electric & Hydraulic), Alliance, O.
*See adv index at end of book*
Taylor-Wilson Mfg. Co. (Hydraulic), McKees Rocks, Pa.
Wellman-Seaver-Morgan Co., Cleveland, Ohio *See adv index at end of book*

## 14490-1—Strippers (Sugar Cane)

American Mfg. Co. ("Jackson" & "Boss"), Chattanooga, Tenn.

## Strippers (Hand)

See Cards, Hand

## 14492— Strips (Batten)

Milwaukee Corrugating Co. ("Milcor"), Milwaukee, Wis.

## Strips (Carbon)

See Carbon Mfrs.

## 14492a—Strips (Monel Metal)

Electrical Alloy Co., Morristown, N. J.
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.

## 14492b— Strips (Resistance)

Electrical Alloy Co. (For all Requirements), Morristown, N. J.

## 14493— Strips (Roofing)

Bemis Bros. Bag Co., 601 S 4th, St. Louis, Mo.

## 14493a— Strontium (Bromide)

Dow Chemical Co. (U. S. P. Crystals & Gran), Midland, Mich.
Heyden Chemical Works, 135 William, New York
Mallinckrodt Chemical Wks., 2nd & Mallinckrodt, St. Louis, Mo.

## 14493b— Strontium Carbonate

du Pont (E. I.) de Nemours & Co. (Acid & Heavy Chemical Sales Dept.), Wilmington, Del.

## 14493c— Strontium Chloride

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 14493d— Strontium Nitrate

See also Nitrate of Strontium

Farmingdale Chemical Works, Inc., Farmingdale, L. I., N. Y.
Fuller, Ralph L. & Co., Inc., 81 Fulton, New York
Grasseli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

## 14493e— Strontium (Sulphate)

Foote Mineral Co., Inc., 167 19th, Phila, Pa.

## 14494— Stroppers (Razor)

Boker Cutlery & Hardware Co., Inc. ("Bokers'" Automatic) [illegible] Duane, New York
Buffum Tool Co. ("Swastika" Safety Razor), South Side, Louisiana, Mo.
Bumann Mfg. Co. (Safety Razor), Litchfield, Ill.
Burke Mfg. Co., Dayton, O.
Canton Razor Strop Co., Inc. (Automatic), Canton, Ohio
Carpenter L. A. Press Metal Co. ("Van"), Cambridge, Mass.
Clauss Shear Co. ("Never Fail"), Fremont, O.
Gibford Specialty Co., 217 W Grand av, Chicago, Ill
Heimerdinger W. C. (Safety Razor), Louisville, Ky.
Kampfe Bros., 3303 Atlantic av, B'klyn, N. Y.
Kanner Samuel ("Sterling"), 556 B'way, New York
Keenoh Co. ("Keenoh"), 82 First, Detroit, Mich.
Koch F. A. & Co., 524 B'way, New York
Never Fail Co. ("Never-Fail" Safety), Toledo, O.
Pullman Mfg. Co. ("Pullman") (Safety Razor), Rochester, N. Y.
Twinplex Sales Co. ("Twinplex," Safety Razor), 1602 Locust, St. Louis, Mo.
Weber-Knapp Co. (Automatic), Jamestown, N. Y.
Zig Zag Sales Co. (Any Safety Blade), 217 W Grand av, Chicago, Ill.
Zinn Edward ("Gillette Blade"), 11th av & 25th, New York
Zinn Simon, Inc., 25th & 11th av, New York

## 14495— Strops (Hame)

Badger Handle Co., 415 3rd, Milwaukee, Wis.

## 14496— Strops (Razor)

Allegretti Mfg. Co., Geneva, N. Y.
Bison Mfg. Co., Little Valley, N. Y.
Boker Cutlery & Hardware Co., 101 Duane, New York
Carborundum Co. (Carborundum), Niagara Falls, N. Y.
Case W. R. & Sons Cutlery Co., Bradford, Pa.
Cattaraugus Cutlery Co. ("Cattaraugus"), Little Valley, N. Y.
Droescher S. R. (Imp.), 79 Warren, New York
Eddy Co., Worcester, Mass.
Geneva Cutlery Co., Geneva, N. Y.
Hemmerdinger John H. & Son, Vandervoort av, Brooklyn, N. Y.
Hollinger Cutlery Co., Fremont, O.
Howard's S. E. Son & Co., 1150 B'way, New York
Illinois Razor Strop Co. ("Sharp-Well"), 2035 Charleston, Chicago, Ill.
Irwin Leather Goods Co., 520 W Monroe, Chicago, Ill.
Kaampfe Bros., 3303 Atlantic av, Brooklyn, N. Y.
Koken Barber's Supply Co., Sidney & Texas, St. Louis, Mo.
Korn Geo. W. Razor Mfg. Co., Little Valley, N. Y.
Loveless L. W. Mfg. Co. ('Magic"), Lafayette, Ind.
National Cutlery Co. ("Morton," "National"), Westmoreland & Boudinot, Phila., Pa.
Never Fail Co., Toledo, O.
Pike Mfg. Co., Pike, N. H.
Reppenhagen M. E. Highland Falls, N. Y.
Riordan T. G. Mfg. Co., 3943 Lincoln av, Chicago, Ill.
Robeson Cutlery Co., Rochester, N. Y.
Shull W. A., 142 N 4th, Phila., Pa.
Silberstein A. L., 600 W 157th, New York
Torrey J. R. Razor Co., Worcester, Mass.
Trieschman Luther H., 720 Main, Hartford, Conn.
Union Cutlery Co., Olean, N. Y.
Wanacek Strop & Cutlery Co., Fremont, O.
Wasserstrom L. B., 91 Gild, New York
Zig Zag Sales Co. ("Zig Zag" Safety), 217 W Grand av, Chicago, Ill.

## 14497— Structural Steel

See also Steel Structural Work, etc.

Camden Iron Wks., Camden, N. J.
Castle A. M. & Co. ("Castle"), 715 N Morgan, Chicago, Ill.
**FISHEL & MARKS CO.**, ft. of Krakow av, Cleveland, Ohio
*See adv index at end of book*
**FULLER STEEL & IRON CO.**, Park bldg, Pittsburgh, Pa.
*See adv index at end of book*
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
**LEAKE, A. G. ERECTING CO., INC.** (Erectors Only), Bridgeport, Conn.
*See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Owego Bridge Corporation, Bastable bldg, Syracuse, N. Y.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Rowson, Drew & Clydesdale, Inc., 80 Wall, New York
**RYERSON JOS. T. & SON** (Merchants), 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill., 2208 N 2d, St. Louis, Mo., 30 Church, New York, 726 Ford bldg, Detroit, Mich.
*See adv index at end of book*
Union Iron & Steel Co., 1610 Reading rd, Cincinnati, O.
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.
West Side Structural Co., Troy, N. Y.
Wilson Co., Greenville, S. C.

## 14497a— Strychnine

Abbott Laboratories, 4753 Ravenswood av, Chicago, Ill.
Mallinckrodt Chemical Works, 2nd & Mallinckridt, St. Louis, Mo.
New York Quinine & Chemical Works, 114 William, New York
Pfizer Chas. & Co. (All Forms), 81 Maiden lane, New York
Powers - Weightman - Rossengarten Co., Phila., Pa.

## 14498— Stucco Boards

Bishopric Mfg. Co. ("Bishopric" for Interior or Exterior), 1415 Este av, Cincinnati, O.

## 14499— Stucco Mfrs.

Acme Cement Plaster Co. ("Mission," "Apex"), Frisco bldg, St. Louis, Mo.
American Cement Plaster Co., Lawrence, Kans.
American Gypsum Co., Cleveland, O.
American Magnesia Products Co., 417 W 12th pl, Chicago, Ill.
American Materials Co. (Magnesite), 101 Park av, New York
Cardiff Gypsum Plaster Co., Fort Dodge, Ia.
De Smet Quartz Tile Co. (Colored), 133 W Washington, Chicago, Ill.
Empire Gypsum Co., Garbutt, N. Y.
Grand Rapids Plaster Co., Grand Rapids, Mich.
Hoff Magnesite Co. ("Hoffite Asbestos"), Monadnock bldg, San Francisco, Cal.
Lycoming Calcining Co., Williamsport, Pa.
Monument Plaster Co. ("Oriental," Ready for Use), Harrison, N. J.
National Kellastone Co. ("Kellastone"), 5 S Wabash av, Chicago, Ill.
Niagara Gypsum Co. ("Niagara"), Buffalo, N. Y.
Plymouth Gypsum Co., Fort Dodge, Ia.
Reeb M. A. Corp, 599 Michigan av, Buffalo, N. Y.
Roc Bond Co. ("Rocbond"), Wren, O.
Rock Plaster Mfg. Co., 381 4th av, New York
Southern Gypsum Co., North Holston, Va.
**SPECIAL SERVICE FLOORING CORP.**, 2039 Grand Central Terminal, New York. *See adv index at end of book*
United States Gypsum Co., 205 W Monroe, Chicago, Ill.
Vitrifyx Co., 133 W Washington, Chicago, Ill.
Wasem Paster Co., Fort Dodge, Ia.

## 14500— Stucco Retarder

National Retarder Co., Port Clinton, O.
United States Gypsum Co., 205 W Monroe, Chicago, Ill.

## 14501-2— Stucco Work

Architectural Decorating Co., 1600 S Jefferson, Chicago, Ill.
Berger H. Sons, 346 E. 34th, New York
Caproni P. P. & Bro., 1914 Washington, Boston, Mass.
Emmel Chas. & Rose Co., 383 Albany, Boston, Mass.
De Smet Quartz Tile Co. (Colored), 133 W Washington, Chicago, Ill.
Emmel Co. (Ornamental), 81 Bristol, Boston, Mass.
Fischer & Jirouch Co., 4821 Superior av, Cleveland, O.
Forman Geo. A., 654 Gates av, Brooklyn, N. Y.
Klee-Thomson Co., 327 E 40th, New York
Maltby W. H. & Sons, Corning, N. Y.
Root C. R., Hartford, Conn.
Schneider F. H., 631 W Belden av, Syracuse, N. Y.
Seifert Frank A. Plastic Relief Co., 2627 Dayton, St. Louis, Mo.
Tognarelli & Voigt Co., 1743 N 12th, Phila., Pa.
Van Malderen F., 5th & Jumonville, Pittsburgh, Pa.

## 14503—Studding ("Gypsteel")

Keystone Fire-Proofing Co., American bldg, Phila., Pa.

## 14503a—*Studios (Motion Picture Engineers)

E.-J. Electric Installation Co., 223 W 33d, New York *See adv index at end of book*

## 14504—Studs (Electric Fixture)

Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
Barlow Foundry Co., 551 N. J. R. R. av, Newark, N. J.
Bonnell W. A., 192 Chambers, New York
Colgan Wm. H. Co. ("Rex"), W Newton, Mass.
Curtis Screw Works, Buffalo, N. Y.
Grabler Mfg. Co., Cleveland, O.
Macallen Co., 16 Macallen, South Boston, Mass.
National Metal Molding Co. ("National" Stamp Steel), 1110 Fulton bldg, Pittsburgh, Pa.
Rattan Mfg. Co., New Haven, Conn.
Sprague Electric Works, 527 W 34th, New York
Steel City Electric Co. ("Star"), 1207 Columbus av, Pittsburgh, Pa.
Thomas & Betts Co., 63 Vesey, New York

## 14505— Studs (Harness)

Jencks E. Mfg. Co. Worcester, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

**PITTSBURGH-DES MOINES STEEL CO.**

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(See adv. Tanks and Towers for list of other offices)

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## 14506— Studs (Lacing)

General Mfg. Co., Waterbury, Conn.
Manufacturers' Belt Hook Co. ("L.-X.," "Blades," "Climax" Gunmetal, "20th Century" Steel Belt), 1321 W Congress, Chicago, Ill.
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.

## 14507— Studs (Metal)

**BELL CO. (THE), 1555 Fillmore av, Buffalo, N. Y.**
*See adv index at end of book*
Berger Mfg. Co. ("Prong Lock," "Metal Lumber"), Canton, Ohio
Detroit Screw Works (Metal & Steel Studs), 348 Franklin, Detroit, Mich.
Knapp Bros. Mfg. Co. (for Plaster Fireproof Partitions), 2419 W 14th, Chicago, Ill.
Sharon Steel Hoop Co. (For Furring, etc), Sharon, Pa.
Truscon Steel Co. (Truscon Building Products), Youngstown, O.
Waltham Screw Co., Waltham, Mass.
**YOUNGSTOWN PRESSED STEEL CO.** ("Youngstown"), Warren, O.
*See adv index at end of book*

## 14508— Studs (Milled Iron)

Babson, Dow Mfg. Co., 60 Fulda, Boston, Mass.
Bethlehem Steel Co., So Bethlehem, Pa.
Blake & Johnson Co., 1500 Thomaston av, Waterbury, Conn.
*See adv index at end of book*
Bonney Vise & Tool Wks., Inc., Allentown, Pa.
*See adv index at end of book*
Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
Cincinnati Screw Co., Twightwee, Cincinnati, O.
Cleveland Wrought Products Co., W. 58th & W. & L. E. Belt Line, Cleveland, O.
Corbin Screw Corporation New Britain, Conn.
Curtis Screw Works, Buffalo, N. Y.
Detroit Screw Works, 348 Franklin, Detroit, Mich.
*See adv index at end of book*
Ferry Cap & Set Screw Co., Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hartford Machine Screw Co., Hartford, Conn.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill Geo. Q. Co., Framingham, Mass.
Hope Wm. H. Co., Lowell, Mass.
Hopedale Mfg. Co., Milford, Mass.
National-Acme Co., 7500 Stanton av, S. E, Cleveland, O.
National Sewing Machine Co., Belvedere, Ill.
Niagara Screw Co., Buffalo, N. Y.
Pawtucket Mfg. Co., Pawtucket, R. I.
Philadelphia Machine Screw Works, 624 Race, Phila., Pa.
Phillips R. B. Mfg. Co., Worcester, Mass.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Rhode Island Tool Co., Providence, R. I.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Western Screw Mfg. Co., 4419 W Kinzie, Chicago, Ill.
Worcester Mach. Screw Co., Standard Screw Co., Successors, Worcester, Mass.

## 14509— Stuffers (Sausage)

**Enterprise Mfg. Co. of Pa., 3d & Dauphin, Phila., Pa.**
Landers, Frary & Clark, New Britain, Conn.
Murray Iron Works Co., Central av & Washington, Burlington, Ia.
National Specialty Mfg. Co., 3d av & Lehigh, Phila., Pa.
Peck, Stow & Wilcox Co. ("Perry" Pattern), Southington, Conn.
Rock Island Mfg. Co., Rock Island, Ill.
Sargent & Co. ("Perry" Pattern), New Haven, Conn.
Silver Mfg. Co. ("Wagner"), No. 256, Salem, O.
Smith's John E. Sons Co., Buffalo, N. Y.
Union Machine Works & Iron Foundry ("Union"), 1821 S Water, Phila., Pa.
Wolf, Sayer & Heller (Wolf Peerless), Fulton & Peoria, Chicago, Ill.

## Submarine Armor

See Diving Apparatus

## 14509a— Substitutes (Marble)

Vitrolite Co., Chamber of Commerce bldg, Chicago, Ill. *See adv index at end of book*

## 14510—Substitutes (Stained Glass)

Parrish S. H. & Co., 202 S Clark, Chicago, Ill.
Quaile Wm. B. ("Glacier Seccotine") 405 Lexington av, New York
Ross W. A. & Bro. ("Glacier Imp), 11 S William, New York
Windowphanie Co. ("Windowphanie" Translucent Glass Decorations), 19 E 14th, New York

## Suckers (Soot)

See Cleaners, Boiler Flue & Tube

## 14510a—Suction Draft System

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 14510b— Sugar Cloth

Atlantic Jute Mills ("Atlas" Bag), Norfolk, Va.
Cleveland Wire Cloth Mfg. Co., 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
*See adv index at end of book*

## Sugar of Lead

See Acetate of Lead

## Sugar Machinery

See Specific Article Required

## 14511—Sugar Plant Construction (Beet)

Buffalo Foundry & Machine Co., Buffalo, N. Y. *See adv index at end of book*
Dyer Co., 2031 Euclid av, Cleveland, O.
Honolulu Iron Works Co. (Beet & Cane), 233 Broadway, New York
Kelvin Engng. Co., 32 B'way, New York
Kilby Mfg. Co., 4623 Lakeside av, Cleveland, O.
Larrowe Construction Co., 1199 Woodward av, Detroit, Mich.
Murphy Iron Works (Cane), 643 Magazine, New Orleans, La.
Salich E. & Co., Monadnock Blk, Chicago, Ill.
Stearns-Roger Mfg. Co., Denver, Col.
Von Phul Gilbert D. (Cane & Beet), Hibernia Bank bldg, New Orleans, La.

## 14512— Sugar Refineries

Alameda Sugar Co. (Beet Sugar), Alaska Commercial bldg, San Francisco, Cal. Factory: Alvarado, Cal.
Amalgamated Sugar Co. (Beet), Ogden, Utah
Amer. Beet Sugar Co., Denver, Col.
American Sugar Refining Co., 117 Wall, New York. Refineries: Brooklyn, N. Y., & Jersey City, N. J.
Arbuckle Bros., 70 Water, New York
California & Hawaiian Sugar Refining Co. (Beet Sugar), 230 California, San Francisco, Cal. Factory at Crockett, Cal.
Chaparra Sugar Co. (Cane), 129 Front, New York
Clinton Sugar Refining Co., Clinton, Ia.
Colonial Sugars Co., 129 Front, New York
Columbia Sugar Co. (Beet Sugar), Bay City, Mich.
Continental Sugar Co. (Beet), Toledo, O. Factories at Findlay, O.; Fremont, O., & Blissfield, Mich.
Corn Products Refining Co., 17 Battery pl, New York. Refineries: Argo, Ill., Davenport, Ia., Edgewater, N. J.; Granite City, Ill.
Cuban-American Sugar Co., 129 Front, New York
Federal Sugar Refining Co., 91 Wall, New York. Refineries: Yonkers, N. Y.
Franklin Sugar Refining Co., 125 S Orianna, Phila., Pa.
Great Western Sugar Co. (Beet), Denver, Colo.
Guantanamo Sugar Co., 129 Front, New York
Hawaiian Commercial & Sugar Co., Alaska Commercial bldg, San Francisco, Cal., & Puunene, T. H.
Holland-St. Louis Sugar Co. (Beet), Holland, Mich.
Holly Sugar Corp. (Beet), Denver, Colo.
Honolulu Plantation Co., Hooker & Lent bldg, San Francisco, Cal., & Honolulu, T. H.
Imperial Sugar Co., Sugarland, Tex.
Iowa Sugar Co. (Beet), Waverly, Ia.
Lafayette Sugar Refining Co., Ltd., New Orleans, La.
Lockport Central Sugar Refining Co., Lockport, La.
Long Syrup Refining Co., 16th & Division, San Francisco, Cal.
McCahan W. J. Sugar Refining Co., Chestnut & Front, Phila., Pa.
Menominee River Sugar Co. (Beet), Menominee, Mich.
Mercedita Sugar Co., 129 Front, New York
Michigan Sugar Co. (Beet), Saginaw, Mich.
Miles Planting & Mfg. Co., Burnside, La.


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Mollenhauer Sugar Refining Co., Kent av, Brooklyn, N. Y.
Mount Clemens Sugar Co. (Beet), Mount Clemens, Mich.
Nachman S. J. Refinery (Dextrine Sugar), 314 Lafayette, New York
National Sugar Mfg. Co. (Beet), Sugar City, Colo.
National Sugar Refining Co., 129 Front, New York. Refineries: Yonkers, N. Y., Long Island, N. Y., & Brooklyn, N. Y.
North Kensington Refinery (Malto-Dextrine), 214 E 22d, New York
Owosso Sugar Co. (Beet), Owosso, Mich.
Pope Chas. (Beet), 332 S Michigan av, Chicago, Ill.
Revere Sugar Refinery 15 Broad, Boston, Mass.
Sacramento Valley Sugar Co., Los Angeles, Cal. Refineries: Hamilton, Cal.
Salesburg Refining Co., Ltd., Lauderdale, La.
Spreckels Sugar Co. (Beet), 60 California, San Francisco, Cal. Factory. Spreckels, Cal.
Standard Refining Co. (Brewing Syrups), 217 West, New York
Toledo Sugar Co., Toledo, O.
Union Sugar Co. (Beet), 310 Sansome, San Francisco, Cal. Factory: Betteravia, Cal.
United States Sugar Co. (Beet Sugar), Madison, Wis.
Utah-Idaho Sugar Co., Salt Lake City, Utah
Warner Sugar Refining Co., 79 Wall, New York
West Bay City Sugar Co. (Beet), West Bay City, Mich.
Western Sugar Refining Co., 60 California, San Francisco, Cal.

## Suit Cases
See Traveling Bags & Suit Cases

## Sulphate of Alumina
See Alumina

## 14513-4-5-6—Sulphate of Ammonia
American Agricultural Chemical Co., 2 Rector, New York
Am. Cyanamid Co., 511 5th av, New York
Armour Fertilizer Works, U. S. Yards, Chicago, Ill.
Ashcraft-Wilkinson Co., Atlanta, Ga.
Barrett Co., 17 Battery pl, New York
Buffalo Fertilizer Works, Marine Bk. bldg, Buffalo, N. Y.
Cambria Steel Co., Widener bldg, Phila., Pa.
Cooper Chas. & Co., 194 Worth, New York
Dominion Iron & Steel Co., Ltd., 15 John, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Heller Jos. S. (Importers & Brokers), 62 William, New York
Industrial Chem. Co., 200 5th av, New York
Katzenbach & Bullock Co., 100 William, New York
Lang J. M. & Co. (Brokers), Savannah, Ga.
Lewis F. J. Mfg. Co. (& Benzol), 2513 Robey, Chicago, Ill.
Listers Agr'l Chemical Works, 2 Rector, New York
Merrimac Chemical Co., 148 State, Boston, Mass.
Munro Robt. A. & Co. (Imp.), 25 Pine, New York
New England Gas & Coke Co., 111 Devonshire, Boston, Mass.
Peters White & Co. (Importers), 55 John, New York
Semet Solvay Co., Syracuse, N. Y.
Tennant C. Sons & Co. of N. Y. (Importers), 100 William, New York
Walter Edw. J. Co. (Brokers), American bldg, Baltimore, Md.
White Thos. H. & Co. (Brokers), 11 S Gay, Baltimore, Md.

## Sulphate of Copper
See Copper Sulphate; also Chemicals, Battery

## Sulphate of Iron
See Copperas

## Sulphate of Lead
See Lead Sulphate

## Sulphate of Lime
See Lime Sulphate

## 14517— Sulphate of Soda
See also Salts, Glaubers
Baugh & Sons Co., 20 S Delaware av, Phila., Pa.
Contact Process Co., Buffalo, N. Y.
General Chemical Co. (Also Calcined Sulphate & Concentrator), 25 Broad, New York
Grasselli Chemical Co. (Anhydrous), Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Jarecki Chemical Co., Sandusky, O.
Klipstein A. & Co., 644 Greenwich, New York
Merrimac Chemical Co., 148 State, Boston, Mass.
Pennsylvania Salt Mfg. Co. (Glass Makers' Salt Cake), Widener bldg, Phila., Pa.
Powers-Weightman-Rosengarten Co., 916 Parish, Phila., Pa.
Scheel Wm. H. (Imp.) (Refined, etc), 159 Maiden la, New York
*See adv index at end of book*
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
WARREN PRODUCTS CO., 265 Canal, New York *See adv index at end of book*
Western Chemical Mfg. Co., Denver, Colo.

## 14518-9-20— Sulphate of Zinc
American Metal Co., 61 B'way, New York
Avery Chemical Co., 88 Broad, Boston, Mass.
Beer Sondheimer & Co., Inc. (Selling Agents), 61 Broadway, New York
Domestic Chemical Corp., Maspeth & Gardner avs, B'klyn, N. Y.
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Munning A. P. & Co., Matawan, N. J.
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill. *See adv index at end of book*
Scheel Wm. H. (Foreign), 159 Maiden la, New York *See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

## Sulphide of Iron
See Iron Sulphide

## Sulphide Soda
See Sodium Sulphide

## 14521—Sulphite Plant Equipment
Stebbins Engineering & Mfg. Co., Watertown, N. Y.

## 14522 Sulphite Pulp
Brown Company (Bleached & Unbleached), Portland, Me.
Castle, Gotthell & Overton, 200 5th av, New York
Cherry River Paper Co., Pennsylvania bldg, Phila., Pa.
Detroit Sulphite Pulp & Paper Co., 2607 W Jefferson, Detroit, Mich.
Mount Tom Sulphite Pulp Co. (Bleached), 50 State, Boston, Mass.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Oxford Paper Co. (Bleached), 200 Fifth av, New York
Parsons Pulp & Lumber Co. (Spruce, Bleached & Unbleached), Finance bldg, Phila., Pa.
Sergeant E. M. Co., 15 E 26th, New York
Union Bag & Paper Corp., 233 B'way, New York
West Va. Pulp & Paper Co. (Bleached Spruce), 200 Fifth av, New York

## Sulphite Soda
See Sodium Sulphite

## 14523— Sulphocarbolates
Merck & Co., 45 Park pl, New York

## 14524— Sulphur Apparatus
Blymyer Iron Works Co., Cincinnati, O.
Knott L. E. Apparatus Co. ("Jenkins"), 79 Amherst, Cambridge, Mass.

## Sulphur Chloride
See Chloride of Sulphur

## Sulphur Colors
See Colors, Sulphur

## 14525— Sulphur Dioxide
Ansul Chemical Co. (Liquid), Marinette, Wis.
Cooper Chas. & Co. (Liquid), 194 Worth, New York
King Chemical Co., Bound Brook, N. J.
Virginia Smelting Co. (Liquid), West Norfolk, Va.

## 14526— Sulphur Flour
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mechling Bros. Mfg. Co., Camden, N. J.

## 14527— Sulphur (Refined)
Battelle & Renwick ("Brooklyn"), 80 Maiden la, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
White T. & S. C. Co., 100 William, New York

## 14528— Sulphur & Brimstone
Baker H. J. & Bro. (Imp.), 18 Fulton, New York
Battelle & Renwick (Flour, Sublimed & Roll), 80 Maiden la, New York
Doggett Stanley (Imp.), 11 Cliff, New York
Fuller Ralph & Co., Inc., 81 Fulton, New York
General Chemical Co. (Roll Brimstone Flour & Flowers of Sulphur), 25 Broad New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg., Cleveland, O.
Hollingworth & Peterson, Lafayette bldg, Phila., Pa.
Lang J. M. & Co. (Brokers), Savannah, Ga.
Mechling Bros. Mfg. Co. (Powdered), Camden, N. J.
Nassau Sulphur Wks., 92 William, New York
National Sulphur Co., 80 Maiden la, New York
Scheel Wm. H. (Sulphur Jobbers), 159 Maiden la, New York
*See adv index at end of book*
Southern Acid & Sulphur Co. (Ground Sulphur), Boatmen's Bank bldg, St. Louis, Mo.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.
Union Sulphur Co. (High Grade Brimstone), 17 Battery pl, New York: Mines: Calcasieu, La.
White T. & S. C. Co. (Sublimed Flowers & Flour), 100 William, New York

## 14528a—Sulphur & Brimstone (Crude)
Cuprite Sulphur Corp., 50 E. 42nd, New York
Parson & Petit (Selling Agents), 63 Beaver, New York
Union Sulphur Co. (Sulphur Only), 17 Battery pl, New York

## Sulphuric Acid
See Nitre Cake, also Acid, Sulphuric

## 14528b—*Sulphuric Acid Apparatus
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

## 14528c—*Sulphuric Acid Recovering Apparatus
Buffalo Foundry & Machine Co., 65 Winchester, Buffalo, N. Y.
*See adv index at end of book*

### 14529— Sumac

Androvette & Townsend (Sicily) (Imp.), 235 Water, New York
Baker W. W. Tanning Co., Hallsboro, Va.
Brackett Josiah & Son, 134 Summer, Boston, Mass.
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Klipstein A. & Co. (Ground, Imp.), 644 Greenwich, New York
Leyland Thos. & Co., Readville, Boston, Mass.
Marden, Orth & Hastings Co. (Imp. Sicily), 136 Liberty, New York
Moore, Warner & Co., 17th, Richmond, Va.
Neumann R. & Co. (Imported), 76 Worth, New York
Tennant C. Sons & Co. of N. Y. (Imported), 100 William, New York
Whittemore-Wright Co. (Sicily) & Virginia), Charlestown, Boston Mass.

### 14530—Summer Houses or Arbors

Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
Hartmann-Sanders Co., 2155 Elston av, Chicago, Ill.
Meyers Fred. J. Mfg. Co., Hamilton, O. *See adv index at end of book*
Ready Built Home Co., Mystic, Conn.
Smith F. P. Wire & Iron Co., 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*

### 14531— Sun Dials

Erkins Studios, 227 Lexington av, New York
Gardam Wm. & Son, 114 Park pl, New York
Gorham Co. Arch'l Bronze (Bronze), 5th av & 36th, New York. Works: Providence, R. I.
Janusch Mfg. Co., 496 E 134th, New York
Jones M. D. Co., 73 Portland, Boston, Mass.
Jordan Adolph M., 37 E 5th, Cincinnati, O.
Mitchell-Bissell Co., 251 4th av, New York
Rostand Mfg. Co. ("Rostand," Bronze), Milford, Conn.

### 14531a— Sun Frames

Pease C. F. Co., 820 N Franklin, Chicago, Ill.

### 14532—Sun & Heliographic Printing

Amsler Blue Print Co., 30 Church, New York
Keuffel & Esser Co., Hoboken, N. J.
Pease C. F. Co. (Supplies), 820 N Franklin, Chicago, Ill. *See adv index at end of book*

### 14533—Superheaters (Steam)

**BABCOCK & WILCOX CO.**, 85 Liberty, New York
Badenhauser Co. ("Simplex"), Rialto bldg, San Francisco, Cal.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Dravo Co., 1195 13th, Milwaukee, Wis.
**HEINE SAFETY BOILER CO.**, 5319 Marcus av, St. Louis, Mo.
Hussey, McCann & Co., 87 Warren, New York
Locomotive Superheater Co. ("Elesco") (For Locomotives & Steamships), 30 Church, New York
Parker Boiler Co., 9th & Sansom, Phila., Pa.
**POWER SPECIALTY CO.** ("Foster"), 111 B'way, New York *See adv index at end of book*
Superno Co., Inc., 52 B'way, New York
Thacher Propeller & Foundry Corp., Albany, N. Y.
United Gas Improvement Co. ("Standard Double"), Broad & Arch, Phila., Pa.
**WESTINGHOUSE ELECTRIC MFG. CO.**, Westinghouse bldg, Pittsburgh, Pa.

### 14534— Superphosphates

American Agricultural Chemical Co. (Concentrated), 2 Rector, New York
Ashcraft Wilkinson Co., Atlanta, Ga.
Union Superphosphate Co., 343 Sansome, San Francisco, Cal.
Virginia-Carolina Chemical Co. (Of all Grades), Richmond, Va.

### Supplies (Bowling Alley)

See Balls, Bowling, Wood

### 14535—Supports (Bus Bar & High Tension, Etc.)

Alherene Stone Co. (Soapstone), 223 E 23rd, New York
Delta-Star Electric Co., 2437 Fulton, Chicago, Ill.
Efficiency Electric Co. (Adjustable Bus), E. Palestine, Ohio

### 14536—Supports (Carriage Top)

Essex Brass Foundry Co. ("Essex"), Cambridge, Mass.

### 14537— Supports (Cask)

Girard Iron Works, 22d & Master, Phila., Pa.
Grimm Iron Works, Cincinnati, O.

### 14538—Supports (Cross Arm)

Hallett Iron Works ("Hallett Steel Gains"), Harvey, Ill.
Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.

### 14539—Supports (Desk & Table)

Weber-Knapp Co., Jamestown, N. Y.

### 14540— Supports (Partition)

Auer Joh., Jr. (Wrought), 197 Middleton, Brooklyn, N. Y.

### 14541— Supports (Porch)

Enterprise Hardware Mfg. Co., Frederick, Md.
Gray Iron Foundry Co. (Japanned), Cast Iron), Reading, Pa.
Indiana Hollow Ware Co. (Cast Iron Coppered), Jeffersonville, Ind.
Williams A. C. Co. (Japanned), Ravenna, Ohio

### 14542— Supports (Rein)

Frazer & Jones Co. (Hip Strap), Syracuse, N. Y.
Searls Mfg. Co., 29 Mulberry, Newark, N. J.

### 14543— Supports (Shelf)

Chicago Hardware Foundry Co. (Cast Iron), 546 W Washington, Chicago, Ill.
Coleman Hardware Co., 122 S Michigan av, Chicago, Ill.
Corbin P. & F., New Britain, Conn.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Grey Iron Casting Co. (For Adjusting Shelves), Mt. Joy, Pa.
Hardware Supply Co., Grand Rapids, Mich.
Johnston J. D. (Shelf Pins), Newport, R. I.
Keystone Friction Hinge Co., Williamsport, Pa.
National Lock Co. (Library Bookcase, etc), Rockford, Ill.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New Haven, Conn.
Stover Mfg. & Engine Co., Freeport, Ill.
Weber-Knapp Co. (Brass Plated), Jamestown, N. Y.

### 14544—Supports (Telegraph Poles)

Columbus Handle & Tool Co., Columbus, Ind.
Dicke Tool Co., Downers Grove, Ill.
Meckel Fred L., 11 E 13th, Chicago, Ill.

### 14545—Supports (Wagon Tongue)

Harvey Spring & Forging Co. ("Lindquist"), Racine, Wis.

### 14546— Surcingles

Buffalo Weaving & Belting Co., Buffalo, N. Y.
Langstroth T. W., 77 Warren, New York

### 14547-8—Surfacers (Metal)

Peckham Mfg. Co. (For Dry Barrel Polishing), 244 South, Newark, N. J.
St. Louis Surfacer & Paint Co. ("Metalsteel"), Arlington & Terminal Belt Line, St. Louis, Mo.

### Surveyors' Instruments

See Engineering & Surveying Instruments

### 14549— Swabs (Molders')

Dobson William, Canastota, N. Y.

### 14549a— Swabs (Piston)

Ashton Valve Co., 179 1st, Boston, Mass.

### 14550— Swage Blocks

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Fisher & Norris, Trenton, N. J.
Grace C. M. & Co., Huntsville, Ala.
Illinois Iron & Bolt Co., Carpentersville, Ill.


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International High Speed Steel Co., 99 Nassau, New York
Noyes B. B. Co. ("Little Gaint," also Combined Swage Blocks & Mandrels), Greenfield, Mass.
South Bend Foundry Co. (Cast Iron), South Bend, Ind.
Southern Skein & Foundry Co., Chattanooga, Tenn.
Swett A. L. Iron Works, Medina, N. Y.

## 14551— Swages (Saw)

Atkins E. C. & Co. ("Ideal"), Indianapolis, Ind.
Covel Mfg. Co., Benton Harbor, Mich.
Crowell D. J., 61 Terrace, Buffalo, N. Y.
Disston Henry & Sons (Inc.), Tacony, Phila., Pa.
Emerson Smith & Co. (Solid Steel), Beaver, Pa.
**Hanchett Swage Works (Adjustable Foot Circular Saws, etc), Big Rapids, Mich.**
Hinds Thos. Co., Malone, N. Y.
Hoe R. & Co., 504 Grand, New York
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*
Phoenix Mfg. Co. ("White" Phoenix"), Eau Claire, Wis.
Pribnow Swage & Tool Works ("Pribnow"), Mellen, Wis.
Rogers Samuel C. & Co., 10 Lock, Buffalo, N. Y.
**SIMONDS MFG. CO., Fitchburg, Mass.**
*See adv index at end of book*
White A. E. Machine Works ("Champion"), Eau Claire, Wis.

## 14552— Swages (Toe Calk)

**Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.**

## 14553—Swages (Top, Bottom, Etc.)

Beall Bros., Alton, Ill.
Champion Tool Co. ("Champion"), Meadville, Pa.
Evansville Tool Works, Evansville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Heller Bros. Co., 879 Mt. Prospect av. Newark. N. J.
**Iron City Tool Works (Ltd.) (Tin Plate, Cushion, Tire, Channel, Collar, etc), 3201 Smallman, Pittsburgh, Pa.**
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Vaughan & Bushnell Mfg. Co. ("V. & B."), 2114 Carroll av, Chicago, Ill.


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## 14554—Sweaters, Cardigans, Etc.

Albany Knitting Co., Albany, N. Y.
Alberta Knitting Mills, Lena & Armat, Gtn., Phila., Pa.
Albion Knit Goods Co., Utica, N. Y.
Allen J. & B., 4980 Sheldon av, Phila., Pa.
American Hosiery Co., New Britain, Conn.
American Knitting Co., Waltham, Mass.
American Knitting Co., Honesdale, Pa.
American Knitting Mills, Central Trust bldg, Phila., Pa.
Angora Knitting Mill, Detroit, Mich.
Angora Specialty Co., 87 34th, Brooklyn, N. Y.
Ascher Simon & Co., 2443 3rd av, New York
Ashboyton Knitting Co., Shelburne Falls, Mass.
Atlantic Knitting Mills, 1270 B'way, New York
Augstein S. & Co., 352 4th av, New York
Avalon Knitwear Co. (Underwear), Utica, N. Y.
Bailey Knitting Mills, Fort Plain, N. Y.
Ballard Knitting Co., Norristown, Pa.
Bannister Geo. M. & Co., 3562 N Marshall, Phila., Pa.
Bavaria Knitting Mills, 121 S Market, Chicago, Ill.
Bell Knitting Co., 352 4th av, New York
Bergman Knitting Mills, Osceola & Pastorius, Gtn., Phila., Pa.
Berlin Knitting Mills, 187 Broadway, Brooklyn, N. Y.
Berwin Knitting Mills, 424 Bainbridge, Brooklyn, N. Y.
Bitzer Chas. & Son, 2513 E Fletcher, Phila., Pa.
Blauvelt Knitting Co., 280 Pine, Newark, N. J.
Blepp Knitting Wks., 6824 Superior av, Cleveland, O.
Boerum Knitting Mills, 105 Meserole, Brooklyn, N. Y.
Bower Knitting Co., Hawley, Pa.
Bradley Knitting Co., Delavan, Wis.
Breathwaite Wm., 4931 Germantown av, Gtn., Phila., Pa.
Brown Knitting Co., Warsaw, N. Y.
Burns Knitting Co., Nashua, N. H.
Byrne Thos. F., Phoenixville, Pa.
Cache Knitting Works, Logan, Utah
Canadian Knitting Mills, 86 Meserole, Brooklyn, N. Y.
Capital Knit Works, 133 Fulton, Brooklyn, N. Y.
Central Knitting Co., 772 Madison, Brooklyn, N. Y.
Chapman Knitting Mills, 68 E 131st, New York
Chester Knitting Works, 2103 Pitkin av, Brooklyn, N. Y.
Claremont Knitting Co., 206 Stagg, Brooklyn, N. Y.
Clinton Knitting Co., Clinton, N. Y.
Coast Knitting Co., Woodbine, N. J.
Colonial Knitting Mills, 291 Essex, Brooklyn, N. Y.
**Columbia Knitting & Mfg. Co., 236 B'way, Milwaukee, Wis.**
Columbia Knitting Mills, 116 W 32d, New York
Continental Knitting Mills, 860 Flushing av, Brooklyn, N. Y.
Crescent Co., 49 E 21st, New York
Crossingham Knitting Mills, 243 Ashmead, Phila., Pa.
**Dornbaum Knitting Co., 3136 Lincoln av, Chicago, Ill.**
Draper Bros. Co., Canton, Mass.
Dunham Mills, Hartford, Conn.
Eagle Knitting Mills, 184 E Water, Milwaukee, Wis.
Eckert Knitting Mills, 923 20th av, N, Minneapolis, Minn.
Elboeuf Knitting Co., Utica, N. Y.
Ellery Knitting Mills, 251 Stockton, Brooklyn, N. Y.
Elmira Knitting Mills (Underwear), Elmira, N. Y.
Empire Knitting Mills, 1701 N Ashland, Chicago, Ill.
**Empire Knitting Mills, 236 Bank, Newark, N. J.**
Empire Knitting Works, 10 Varet, Brooklyn, N. Y.
European Knitting Mills, 80 Manhattan av, Brooklyn, N. Y.
Evans Chas. Jr., Needham Heights, Mass.
Fain Knitting Mills, 902 Park av, Brooklyn, N. Y.
Federal Knitting Mills Co., Detroit & W 29th, Cleveland, O.
Fergus Falls Knitting Works, Fergus Falls, Minn.
Fitwell Knitting Co. (Men's Worsted Underwear), Cohoes, N. Y.
Fleischer Ernst Knitting Co., 379 11th av, Milwaukee, Wis.
Florence Knitting Mills, 1849 E Venango, Phila., Pa.
Franklin Knitting Mills, 511 E 72d, New York
Friedman Blau Farber Co., Perkins & E 37th, Cleveland, O.
Fromm S., 93 Underhill av, Brooklyn, N. Y.
Fruchthendler L. & Co., 616 E 5th, New York
Gantner & Mattern Co., Grant av & Post, San Francisco, Cal.
Garon I., Duluth, Minn.
Germania Knitting Works, 440 Canal, New York
Gernshyn Hy. & Bro., 32 Stockton, Brooklyn, N. Y.
Gibralter Knitting Mills, 1010 W 12th, Chicago, Ill.
Gilbert Knitting Co., Little Falls, N. Y.
Golden Belt Mfg. Co. (Hosiery), Durham, N. C.
Goldsmith's P. Sons, John, Findlay & Charlotte, Cincinnati, O.
Goodenow-Brookfield Knitting Co., 420 B'way, Kansas City, Mo.
Gotham Knitting Mills, 30 W 21st, New York
Graef Christ, 2261 N 2d, Phila., Pa.
Grand Knitting Works, 291 Essex, Brooklyn, N. Y.
Great Western Knitting Co., 110 Buffalo, Milwaukee, Wis.
Greaves Thos., 5241 Wakefield, Gtn., Phila., Pa.
Green-Haas-Schwartz Co., Euclid av & E 57th, Cleveland, O.
Hamburg Knitting Mills, 685 Park av, Brooklyn, N. Y.
Hamilton Hosiery Mills, Hamilton, N. Y.
Hamilton Knitting Mills, 70 3d, Brooklyn, N. Y.
Hand Knit Hosiery Co., Two Rivers, Wis.
Harvard Knitting Mills, 19 E 24th New York
Hatheway & Reynolds, Oriskany Falls, N. Y.
Hayes Textile Co. (Underwear), Oswego, N. Y.
Hellmer M., 311 Poplar, Phila., Pa.
Hermanson Severin S., Marinette, Wis.
Highland Knitting Mill Highland, N. Y.
Highland Worsted Mills, Camden, N. J.
Hitchcock & Curtiss Knitting Co., Hartford, Conn.
Hoag C. F. Co., Poughkeepsie, N. Y.
Houlton Woolen Mill, Houlton, Me.
Hummel W. F., 936 3d, Milwaukee, Wis.
Hutton Mfg. Co., 315 Arch, Phila., Pa.
Hygienic Fleeced Underwear Co., 2415 N Howard, Phila., Pa.
Hygrade Knitting Mills, 777 S 18th, Newark, N. J.
Ideal Knitting Mills, 587 Hendrix, Brooklyn, N. Y.
Illinois Knitting Mills, 640 B'way, Brooklyn, N. Y.
Imperial Knitting Co., 1075 3d, Milwaukee, Wis.
Inland Knitting Works, Green Bay, Wis.
Jersild Knitting Co., Neenah, Wis.
K. F. Textile Mills, Inc. (Underwear), Utica, N. Y.
Kaiser Knitting Works, 260 Stone av, Brooklyn, N. Y.
Keefer & Maxwell, Camillus, N. Y.
Kellner Knitting Co., 5100 Euclid av, Cleveland, O.
Kenosha Knitting Co., Kenosha, Wis.
Key E. H., Fort Hunter, N. Y.
Keystone Underwear Co., Lititz, Pa.
Kinderhook Knitting Co., Kinderhook, N. Y.
Kingston Knitting Co., 37 Kingston, Boston, Mass.
Knit Goods Mfg. Co., 196 Palmeto, Brooklyn, N. Y.
L. & P. Knitting Co., Hawley, Pa.
Lake Superior Knitting Works, Appleton, Wis.
La Tosca Knitting Company, Utica, N. Y.
Lenox Knitting Works, 400 Nostrand av, Brooklyn, N. Y.
Levin Wm., 204 Canal, New York
Levine & Co., 291 Essex, Brooklyn, N. Y.
London Knitting Mills, 371 Quincy, Brooklyn, N. Y.
Longisland Knitting Mills Co., 335 Throop av, Brooklyn, N. Y.
Lorio Jacob, Dedham, Mass.
Lowenthal Max & Sons, Rochester, N. Y.
Maer Knitting Mills, 392 B'way, New York
Malden Knitting Mills, Malden, Mass.
Mansfield Jos. W., 1527 Ridge av, Phila., Pa.
Marinette Knitting Mills, Marinette, Wis.
Mendelson Hermon, 159 Court, Brooklyn, N. Y.
Michigan Knitting Co., Lansing, Mich.
Midland Knitting Mills, 1256 Clybourne av, Chicago, Ill.
Miehpaul Mfg. Co., Orchard & Trsdl. Phila., Pa.
Minnesota Knitting Mills, 514 St. Peter, St. Paul, Minn.

Model Knitting Works, Salt Lake City, Utah
Model Mfg. Co., 442 B'way, New York
Mohawk Valley Cap Factory, Utica, N. Y.
Monarch Knitting Co., Buffalo, N. Y.
Morgan Knitting Mills ("Veco"), 457 18th av, Newark, N. J.
Muller Julius, 13 Bleecker, Brooklyn, N. Y.
National Knitting Works, Randolph & Jefferson, Phila., Pa.
National Knitting Works Co., 1967 E 57th, Cleveland, O.
Nehrich R. B., 1260 B'way, Brooklyn, N. Y.
Newark Knitting Works, 587 S 10th, Newark, N. J.
New Way Knitting Co., Williamston, Mich.
N. Y. Knitting Mills, 141 Wooster, New York
North American Knitting Mills, 740 Flushing av, Brooklyn, N. Y.
Northern Knitting Mills, 57 W 19th, New York
Northfield Knitting Co., Northfield, Minn.
Northland Knitting Co., 1301 Central av, Minneapolis, Minn.
Norwich Knitting Co., Norwich, N. Y.
Novelty Knitting Mills, 1015 Diamond, Phila., Pa.
Nusbaum D. & Co., 341 5th av, New York
Okeh Hosiery Mills ("Okeh" Infants'), Lemoyne, Pa.
Olympia Knitting Mills, 540 B'way, New York
Olympian Knit Goods Co., New Hartford, N. Y.
Oneida Knitting Mills (Underwear), Utica, N. Y.
Osborne Wm., 1118 W Montgomery av, Phila., Pa.
Pacific Knitting Mills, Los Angeles, Cal.
Pacific Knitting Mills, Seattle, Wash.
Passaic Knitting Works, Garfield, N. J.
Pearl Waist Co., Inc. (Underwear), Cohoes, N. Y.
Penna. Knitting Mills, 16th & Callowhill.
Pfister J. J. Knitting Co., 114 Sansome, San Francisco, Cal.
Pioneer Knitting & Mfg. Co., 326 Market, Phila., Pa.
Posern Herman, 1808 South, Phila., Pa.
Progressive Knitting Works,, 435 B'way, Brooklyn, N. Y.
Puritan Knitting Mills, Juniper & Vine, Phila., Pa.
Quaker City Sweater Mills, 1421 Wallace, Phila., Pa.
Rensselaer & Valatie Mills, Valatie, N. Y.
Rex Knitting Co., Little Falls, N. Y.
Rich, Sampliner Co., Euclid & E 61st, Cleveland, O.
Richter Louis, 617 S 4th, Phila., Pa.
Riehm Knitting Mills, Adams & Unity, Frankfort, Phila., Pa.
Roff Underwear Co., Cohoes, N. Y.
Root Mfg. Co. (Tivoli Mills), Cohoes, N. Y.
Rosen Knitting Mills, 2698 Atlantic av, Brooklyn, N. Y.
Royal Knitting Mills, 846 W. Jackson blvd, Chicago, Ill.
Salt Lake Knitting Works, Salt Lake City, Utah
Sand Jno. A., 2408 W Chicago av, Chicago, Ill.
Saxony Knitting Co., Seattle, Wash.
Saxony Knitting Mills, Needham Heights, Mass.
Shoyer D. W. & Co., 30 Main, Brooklyn, N. Y.
Singer Knitting Mills, 251 Varet, Brooklyn, N. Y.
Society of Shakers, Enfield, N. H.
Spalding A. G. & Bros., 126 Nassau, New York
Specialty Knitting Works, 593 6th, Detroit, Mich.
Spicer John, 84 Woodbine, Brooklyn, N. Y.
Stall & Dean Mfg. Co., Brockton, Mass.
Standard Knitting Co., 2202 Superior av, N E, Cleveland, O.
Starrels Morris & Co., 2122 E Dakota, Phila., Pa.
Sterling Knit Goods Co., Stiles, Boston, Mass.
Sterling Mills, Ilion, N. Y.
Strauss Knitting Mills, 3220 N Clark, Chicago, Ill.
Suffolk Knitting Co., E. Boston, Mass.
Sunset Knitting Co., 334 Sutter, San Francisco, Cal.
Superior Mfg. Co., Hoosick Falls, N. Y.
Swansdown Knitting Co., Hudson, N. Y.
Tally-Ho Knitting Co., East Douglas, Mass.
Thurman Mfg. Co., 427 Ashmead, Phila., Pa.
Treinis Bros., 126 13th, Brooklyn, N. Y.
Union Knitting Mills, 44 N 3rd, Phila., Pa.
Union Knitting Mills Co., Logan, Utah
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United Knitting Co., 17th & Vine, Phila., Pa.
Utica Knitting Co., Utica, N. Y.
Visor Knitting Mills, Niagara Falls, N. Y.
Waymart Knitting Mill, Waymart, Pa.
Webber Geo. F., 414 Gratiot, Detroit, Mich.
Wertheimer Bros., 289 6th av, New York
West Bros. (Underwear), Emerson & Harbor av, Syracuse, N. Y.
Western Knitting Mills, 231 Maujer, Brooklyn, N. Y.
Western Knitting Mills, 1140 Blue Island av, Chicago, Ill.
Wexler Knitting Mills, 29 N 2d, Phila, Pa.
Whitman Bros., Little Falls, N. Y.
Williamsburg Knitting Mills, 20 Bogart, Brooklyn, N. Y.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.
Wisconsin Knitting Mills, Manitowoc, Wis.
Wright & Ditson-Victor Co., 408 B'way, New York
Wye Geo. E. Co., Needham, Mass.
Wye Wm. H. & Co., Needham, Mass.
Yale Knitting Co., Malden, Mass.
Yale Knitting Mills, 514 B'way, New York
York Knitting Mills Co. (Hosiery), York, Pa.
Yund, Kennedy & Yund, Amsterdam, N. Y.
Zimmerman C. Son Co., 70 Tuers av, Jersey City, N. J.

## 14555— Sweaters (Dog)

Brauer Bros. Mfg. Co., 204 N 14th, St. Louis, Mo.

## 14556— Sweepers (Carpet)

Bissell Carpet Sweeper Co. ("Bissell's"), Grand Rapids, Mich.
Curtis N. A. Mfg. Co., Columbus, O.
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Goshen Sweeper Co., Grand Rapids, Mich.
Metal Stampings Corp. ("Sterling," "Streator," "Eureka"), Streator, Ill.
National Sweeper Div. of the Torrington Co. ("Torrington," "Peerless"), Torrington, Conn.

## 14557—Sweepers (Carpet, Vacuum)

See also Vacuum Cleaners, Hand & Power
Bissell Carpet Sweeper Co. ("Bissell's"), Grand Rapids, Mich.
Clements Mfg. Co. ("Cadillac"), 609 Fulton, Chicago, Ill.
Domestic Vacuum Cleaner Co. ("Domestic" Hand Power Suction), Torrington, Conn.
Elite Vacuum Cleaner Mfg. Co. ("Elite"), Kesner bldg, Chicago, Ill.
Hoover Suction Sweeper Co. ("Hoover Electric"), North Canton, O.
Household Mfg. Co. ("Sunshine"), 1221 Filbert, Phila., Pa.
National Sweeper Division of the Torrington Co. (Torrington Hand Power Suction), Torrington, Conn.
Peoria Can Co. ("Hoosier" Hand), Peoria, Ill.
Pneuvac Co. ("Sweeper-Vac"); Electric, 164 Fremont, Worcester, Mass.
Santo Vacuum Cleaner Co. ("Home"), 820 6th av, New York
United Vacuum Sweeper Co., 2445 W 19th, Chicago, Ill.
Wise McClung Mfg. Co. ("America"), New Philadelphia, O.

## 14558— Sweepers (Lawn)

Everwear Mfg. Co., Springfield, O.
Philadelphia Lawn Mower Co., 3101 Chestnut, Phila., Pa.

## Sweepers (Street Railway)

See Street Railway Sweeping Machines

## 14559-60— Swings (Barrel)

Leavitt Machine Co., Orange, Mass.
Penn Hardware Co. ("Boston" Adjustable), Reading, Pa.
Reed Evan L. Mfg. Co., Sterling
Upton & Gilman Machine Co. ("Perfect"), Lowell, Mass.

## 14561— Swings (Lawn)

Austell Swing & Ladder Co., Austell, Ga.
Babcock Mfg. Co. ("Otsego"), Leonardsville, N. Y.
Barley Thos. K. ("Sedalia," "Boss"), Sedalia, Mo.
Border City Industrial Co., Border City, N. Y.
Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
Buch's A. Sons Co. ("Eagle," Steel Reclining & Adjustable Seat, etc), Elizabethtown, Pa.
Bushnell Tank Works ("Bushnell"), Bushnell, Ill.
Canfield H. C. ("Home Comfort" Lawn or Porch), Batesville, Ind.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
Challenge Co. ("Peerless," "Monarch," "Fairy" & "Royal" Wood), Batavia, Ill.
Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Consolidated Pump Co., Toledo, O.
Crescent Mfg. Co., Louisville, Ky.
Cupples Sam'l Woodenware Co., 7th & Spruce, St. Louis, Mo.
Dain Mfg. Co. ("Dain's Alaska"), Ottumwa, Ia.
Dowden Mfg. Co. (Ltd.), Prairie City, Ia.
Eureka Mower Co. ("Eureka"), 16 Hickory, Utica, N. Y.
Fleming & Sons Mfg. Co. ("Fleming"), Huntsville, Mo.
Florence Wagon Co., Florence, Ala.
Forbes Mfg. Co. ("Mogul"), Hopkinsville, Ky.
Fry Bros. Mfg. Co., Richmond, Ind.
Gem Mfg. Co., Nth., Girard, Pa.
Giant Mfg. Co., Council Bluffs, Ia.
Goshen Churn & Ladder Co. ("Winner," "Imperial," "No. 8," "Zephyr" & "Bonanza"), Goshen, Ind.
Goshen Mfg. Co., Goshen, Ind.
Grote F. Mfg. Co., Evansville, Ind.
Haggard & Marcusson Co. ("Comfort Swing Chair"), 1109 W 37th, Chicago, Ill.
Hay Tool Mfg. Co. ("Iowa"), Council Bluffs, Ia.
Hayes Pump & Planter Co., Galva, Ill.
Kalamazoo Sled Co., Kalamazoo, Mich.
Keller Mfg. Co. ("Keller"), 1325 N E, Quincy, Minneapolis, Minn.
Lattimer W. H. & Sons, Orwell, N. Y.
Moulton C. W. H. Co. ("New England"), Somerville, Mass.
**MYERS F. E. & BRO.** ("Ashland" Low Down Roller), 900 Fourth, Ashland, O.
*See adv index at end of book*
Noll Bros. ("Bausman"), Bausman, Pa.
North Vernon Lumber Co. (Telescopic Assembled Lawn & Autonote Porch), North Vernon, Ind.
Ohio Rake Co. ("Arctic"), Dayton, O.
Reed & Rogers Mfg. Co., Vernon, Ind.
St. Charles Net & Hammock Co. (Steel), St. Charles, Ill.
Sechler D. M. Implement & Carriage Co., Moline, Ill.
Smith Fence & Iron Co. (Steel), Waynesboro, Pa.
Southern Chair Co., High Point, N. Car.
Specialty Mfg. Co. ("Columbia"), Titusville, Pa.
Superior Hay Stacker Mfg. Co. (Superior Horizontal), Linneus, Mo.
Superior Ladder Co., Goshen, Ind.
Thornburgh Mfg. Co. ("Ideal" Folding), Bowling Green, O.
Western Wheelbarrow Mfg. Co. ("Monarch"), So. Fort Smith, Ark.
Weston Paper & Mfg. Co. ("Premier" Swing & Hammock Combined), Dayton, O.
Williams Mfg. Co. ("So-Ezy"), Macon, Ga.
Young Bros. Co., Worcester, Mass.

## 14562— Swings (Porch)

Argus Novelty Co. (Baby), La Porte, Ind.
Baker J. R. & Sons Co. (Adjustable) ("Metal"), Kendallville, Ind.
Bent Rung Ladder & Mfg. Co., Indiana, Pa.
Bowser R. M. & Son, Renfrew, Pa.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
Challenge Co., Batavia, Ill.
Consolidated Pump Co., Toledo, O.
Fleming John S., Plymouth, Ohio
Fold Easy House Mfg. Co., McClure, Pa.
Gem Mfg. Co., Nth., Girard, Pa.
Goshen Churn & Ladder Co., Goshen, Ind.

SWINGS (PORCH)—continued
**Grote F. Mfg. Co., Evansville, Ind.**
**Household Mfg. Co. (For Children),** Royersford, Pa.
Hunt Spring Bed Co., Chattanooga, Tenn.
**Martin & Heagy Mfg. Co., Elizabethtown, Pa.**
**Modern Mfg. Co. ("Little Giant," "Novelty"),** Hagerstown, Md.
**MYERS F. E. & CO.** ("Myers"), 900 Fourth, Ashland, O.
*See adv index at end of book*
**St. Charles Net & Hammock Co., St.** Charles, Ill.
Specialty Mfg. Co., Titusville, Pa.
Standard Novelty Works, Duncannon, Pa.
Superior Ladder Co., Goshen, Ind.
United States Wire Mat Co. ("U. S."), Decatur, Ill.
Webb Mfg. Co., Brookville, Pa.

## 14563—Switch Bars (Hard Fibre)

Continental Fibre Co. ("Bakelite-Dilecto"), Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.,** Wilmington Del. Works: Marshallton, Del. *See adv index at end of book*
Spaulding J. & Sons Co., Inc., P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*
**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del.
*See adv index at end of book*

## Switch Locks (Railway)

**See Locks, Car & Switch**

## Switch Stands

**See Switches, Switch Stands & Fixtures**

## 14564—*Switchboard Details

**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.

## 14565— Switchboards (Light & Power)

**A. G. Mfg. Co. (Metering Panel),** Seattle, Wash.
Adam Frank Electric Co. ("F.-A."), 904-14 Pine, St. Louis, Mo.
Adams-Bagnall Electric Co., Platt av, Cleveland, O.
**Advance Electric & Mfg. Co., Kansas City,** Mo.
**Alberene Stone Co. (Soapstone), 223 E** 23rd, New York
Alignum Fireproof Products Co., Inc. (Alignum), So. River, N. J. & 356 Lexington av, New York
*See adv index at end of book*
Allis-Chalmers Mfg. Co. (Electric), Milwaukee, Wis.
Andrae Julius & Sons Co., 362 B'way, Milwaukee, Wis.
**BANGOR STRUCTURAL SLATE CO.** (Electric Switchboard Slates), Bangor, Pa. *See adv index at end of book*
Barber Elec. Mfg. Co., N. Attleboro, Mass.
Barkelew Elec. Mfg. Co., Middletown, Ohio
Benjamin Elec. Mfg. Co., 120-128 S. Sangamon, Chicago, Ill.
*See adv index at end of book*


BENJAMIN-STARRETT

PANEL BOARDS and CABINETS

BENJAMIN PRODUCTS

*For Lighting Installations*

BENJAMIN ELECTRIC MFG. CO.
New York Chicago San Francisco


Benjamin W. A., 1157 E 20th, Los Angeles, Cal.
Betts & Betts Corp., 513 W 42d, New York
Bissell F. Co. ("Bissell"), Toledo, O.
Blake Electric Mfg. Co. ("Macfarlane"), 1 Rowes wharf, Boston, Mass.
Bousted Elec & Mfg Co., 16 E Hennepin av, Minneapolis, Minn.
Bryant Elec. Co., 1421 State, Bridgeport, Conn.
Butte Engineering & Elec. Co. (Dealers), 530 Folsom, San Francisco, Cal.
California Elec. Supply Co., 643 Mission, San Francisco, Cal.
Chicago Switchboard Mfg. Co., 426 S Clinton, Chicago, Ill.
Clark & Flanagan, Fair Haven, Vt.
Cleveland Switchboard Co., 2925 E 79th, Cleveland, O.
Commercial Switchboard Mfg. Co., Denver, Colo.
Condit Electrical Mfg. Co. ("Condit" Alternating Current & Direct Current), 1st & L, Boston, Mass.
Connecticut Elec. Mfg. Co., Conn. av, Bridgeport, Conn.
Consolidated Elec. Mfg. Co. (Panelboards), 223 N 13th Phila., Pa.
Consolidated Engineering Co., Jacksonville, Fla.
C. & P. Elec. Wks. (Metering Panels), Springfield, Mass.
Crocker-Wheeler Co., Ampere, N. J.
Crouse-Hinds Co., Syracuse, N. Y.
Cutter Geo. C. ("McWilliams" Metering, "Cutter's"), South Bend, Ind.
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Drendell Electric & Mfg. Co., 169 Erie, San Francisco, Cal.
**DUQUESNE ELECTRIC & MFG. CO.,** Bessemer bldg, Pittsburgh, Pa.
*See adv index at end of book*
Electric Apparatus Co., 127 S. Green, Chicago, Ill.
Electric Panelboard Co., 27 N Water, Rochester, N. Y.
Electric Storage Battery Co., 19th & Allegheny av, Phila., Pa.
Electrical Automatic Appliance Co., Denver, Colo.
Electrical Mfg. Co., 112 Hamilton av, Cleveland, O.
Electrical Testing Co. (Farm Ltg.), Peoria, Ill.
Engberg Electrical & Mechanical Works, St. Joseph, Mich.
**Euclid Stone & Brick Co. ("Euclid" & High Resistance Oxydized Stone),** Cleveland, O.
Eynons-Evans Mfg. Co. ("White"), N 15th & Clearfield, Phila., Pa.
Fisher Electric Works, 32 Lynn, Detroit, Mich.
**Flint Elec. & Mfg. Co. (Panelboards),** 1402 Delgany, Denver, Colo.
Ft. Wayne Electric Works of General Electric Co., Ft. Wayne, Ind.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
**Haas R. Electric & Mfg. Co. ("Ideal"),** Springfield, Ill.
Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Heinemann Geo., 728 Girard av, Phila., Pa.
Hewitt & Warden, Newburgh, N. Y.
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
Horne Mfg. Co., 4 College pl, Brooklyn, N. Y.
Iron Specialty & Elec. Co. (Panelboards), 166 E 144th, New York
Keystone Elec. Mfg. Co., Cleveland, Ohio
Knoeller Electric Co., De Pere, Wis.
Krantz Mfg. Co. ("Jones"), 160 7th, Brooklyn, N. Y.
Kuhlman Engrg. Co., Toledo, Ohio
Kurz & Root, Appleton, Wis.
Large-Dial Mfg. Co., 606 Cherry, Phila., Pa.
Lauson-Lawton Co., De Pere, Wis.
Leonard-Bundy Elec. Co., 433 Champlain av, Cleveland, O.
Lewis & Roth Co., Liberty bldg, Phila., Pa.
Louisiana Metal Cabinet Works, 1019 Bienville, New Orleans, La.
McCarthy Bros. & Ford, Buffalo, N. Y.
Massachusetts Elec. Co. (Panelboards), Worcester, Mass.
Mendell Mfg. Co., New Bedford, Mass.
Metropolitan Elec. Co., 524 1st, Seattle, Wash.
Metropolitan Electric Mfg. Co., 14th, Long Island City, N. Y.
Metropolitan Engrg. Co., 1250 Atlantic av, Brooklyn, N. Y.
**Minnesota Electric Co., 309 2d av, S, Minneapolis, Minn.**
Monson Maine Slate Co. (Slate), 112 Water, Boston, Mass.
**Mutual Electric & Machine Co. ("Bulldog" A. C. & D.),** 232 Fort, W, Detroit, Mich.
New Haven Switch Co., North Haven, Conn.
**Newgard Henry & Co., 947 Washington** blvd, Chicago, Ill.
Nyelec Switchboard Co., 422 E 53d, New York
O'Day Bros. (Slate), Hydeville, Vt.
Old English Slate Quarries, 10 Milk, Boston, Miss.
Penn. Electrical & Mfg. Co., Irwin, Pa.
**Pennefather J. S. (Theatre), 500 W 144th,** New York
Penrhyn Slate Co. (Slate), Hydeville, Vt.
Perfection Storage Battery Co. ("Jupiter," "Perfection"), 500 E 40th, Chicago, Ill.
Peterson Chas. J. & Co., 725 Fulton, Chicago, Ill.
Phila. Elec. Const. Co., Heed bl., Phila., Pa.
**Pittsburgh Elec'l & Mach. Wks., Barker** pl, Pittsburgh, Pa.
Portland El. Maintenance Co., Portland, Ore.
Portland-Monson Slate Co. ("Monson" Slate), Portland, Me.
*See adv index at end of book*
**Post-Glover Electric Co., 308 W 4th,** Cincinnati, O.
**Pringle Elec'l Mfg. Co., 1906 N 6th, Phila.,** Pa.
Robb & Blackmer, 129 Pearl, Boston, Mass.
Sackett H. I. Elec. Co., 256 Pearl, Buffalo, N. Y.
Sackett Mine Supply Co., 164 N 3d, Columbus, O.
Schaefer Bros. Co., 1059 W 11th, Chicago, Ill.
Schmidt A. R. Elec. Co., 262 E Water, Milwaukee, Wis.
Service Elec. & Mfg. Co., Minneapolis, Minn.
Shull Co., Conduit rd & Eliot N. W., Washington, D. C.
Sprague Elec. Wks. of G. E. Co. (Theatre), 527 W 34th, New York
Standard Mechanical Equipt. Co., Dallas, Texas
Stecker Elec. & Machine Co., Dewey, Detroit, Mich.
Steele W. M., Worcester, Mass.
Sterling Switchboard Co., Camden, N. J.
**STRUCTURAL SLATE VO.,** Penn Argyle, Pa.
Superior Electric Mfg. Co., 2416 University av S E, Minneapolis, Minn.
Tanner Wm. F. & Co., 511 S Sharp, Baltimore, Md.
Troy Electrical Co., Troy, N. Y.
Trumbull Electric Mfg. Co. ("Trumbull"), Plainville, Conn.
Trumbull Vanderpoel Elec. Mfg. Co., Bantam, Conn.
**Walker Electric Co. (Slate & Marble), 2337** Callowhill, Phila., Pa.
Walls, Owen & Sanbach Co. (Soapstone), 11th & Hamilton, Phila., Pa.
Wesco Supply Co. ("Davis"), 7th & Clark av, St. Louis, Mo.
Western Electric Co., 463 West, New York
Western Insulation Co., 557 W Monroe, Chicago, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*
White H. P., 1625 Ranstead, Phila., Pa.
Worcester Electric & Mfg. Co. ("Worcester"), Worcester, Mass.
Wurdack Wm. Elec. Mfg. Co., 21 11th, St. Louis, Mo.

## 14566—Switchboards (Telephone)

See also Telephones & Apparatus

American Electric Co. ("America," "1900," "Burn's Express"), 6401 State, Chicago, Ill.
Andrae Julius & Sons Co., 362 B'way, Milwaukee, Wis.
Automatic Appliance Co., 172 Columbus av, Boston, Mass.
Automatic Electric Co., 1001 W Van Buren, Chicago, Ill.
B. R. Electric Co., Kansas City, Mo.
Century Telephone Const. Co., Buffalo, N. Y.
Chicago Telephone Supply Co., Elkhart, Ind.

**Clark & Flanagan, Fair Haven, Vt.**
Connecticut Telephone & Electric Co. (Inc.), Meriden, Conn.
Couch S. H. Co., 170 Purchase, Boston, Mass.
Garl Electric Co., Akron, O.
Gem Stopper Co., 2120 Nicholas, Phila., Pa.
Kellogg Switchboard & Supply Co. ("Service"), 1066 W Adams, Chicago, Ill.
**Lafayette** Electric & Mfg. Co., Lafayette, Ind.
Leich Electric Co., Genoa, Ill.
Loeffler Louis J., 20 Fulton, New York
Menominee Elec. Mfg. Co., Menominee, Mich.
Minnesota Electric Co., 309 2d av, S, Minneapolis, Minn.
Monarch Telephone Mfg. Co., Ft. Dodge, Iowa
North Electric Mfg. Co. (Automanual), Galion, O.
Old English Slate Quarries, 10 Milk, Boston, Mass.
Portland-Monson Slate Co. ("Monson" Slate), Portland, Me.
*See adv index at end of book*
Russell Electric Co., Danbury, Conn.
Stanley & Patterson Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co. ("Duratex"), Rochester, N. Y.
*See adv index at end of book*
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 14567—Switchboards (Theatre)

**Adam Frank Electric Co. ("F. A."), 904-14 Pine, St. Louis, Mo.**
**Advance Electric & Mfg. Co., Kansas City, Mo.**
Bissell F. Co., Toledo, O.
**Clark & Flanagan, Fair Haven, Vt.**
Consolidated Engineering Co.
Crouse-Hinds Co., Syracuse, N. Y.
Holzmuller C. J., 1063 Mission, San Francisco, Cal.
**Mutual Electric & Machine Co., 232 Fort W., Detroit, Mich.**
Portland-Monson Slate Co. ("Monson" Slate), Portland, Me.
*See adv index at end of book*
**Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.**
Steele W. M., Worcester, Mass.
**Superior Electric Mfg. Co., 2416 University av, S E, Minneapolis, Minn.**
Universal Elec. Stage Lighting Co. ("Kliegl"), 240 W 50th, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
**Worcester Electric & Mfg. Co., Worcester, Mass.**

## 14567a— Switches

Ashland Electric Co., 1517 Haddon av, Chicago, Ill.
Knickerbocker Annunciator Co. (Emergency), 116 West, New York
Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*
Peterson Chas. J. Co. (Electric), 723 Fulton, Chicago, Ill.

## 14568— Switches (Air Brake)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialties Co., Inc., Albany, N. Y.
Schweitzer & Conrad, Inc. ("S & C" High Tension), 4431 Ravenswood av, Chicago, Ill.

## 14569—Switches (Automatic)

Allen-Bradley Co. ("Allen-Bradley" Electrically Operated), 286 Greenfield, Milwaukee, Wis.
Automatic Switch Co. ("Whittingham" Quick Break Tank Switch, etc), 4 White, New York
Campbell Electric Co. ("Campbell"), 17 Stewart, Lynn, Mass.
Chicago Automatic Switch Co. (Bilge & Condensation Pump Float), 900 W Lake, Chicago, Ill.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O.
*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialties Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.
Trumbull-Vanderpoel Electric Mfg. Co., Bantam, Conn.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Worcester Electric & Mfg. Co. (Storage Battery), Worcester, Mass.

## 14570—Switches (Automatic Door)

Arrow Electric Co. ("Arrow E."), Hartford, Conn.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Cutter Electrical & Mfg. Co., 19th & Hamilton, Phila., Pa.
**Edwards & Co. ("Lungen," "Eco."), Exterior av, & 140th, New York**
**HART MFG. CO.** ("Diamond H."), 230 Hamilton, Hartford, Conn.
*See adv index at end of book*
**Hart & Hegeman Mfg. Co. ("H. & H."), Hartford, Conn.**
**MORSE FRANK W.** ("Morse"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Sechrist A. Mfg. Co., Denver, Colo.

## 14571—Switches (Automatic Rail-Road)

American Mine Door Co. ("Canton" Switch Thrower), Canton, O.
**Bethlehem Steel Co., So. Bethlehem, Pa.**
Gold Car Heating & Lighting Co., 17 Battery pl, New York
N. Y. Switch & Crossing Co., Hoboken, N. J.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Ramapo Iron Works, Hilburn. N. Y.
Signal Accessories Corp., Utica, N. Y.
United States Electric Signal Co. ("American" Automatic Electric Track), West Newton, Mass.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

## 14572—Switches (Automatic & Remote Control)

**Anderson Albert & J. M. Mfg. Co., 289A, Boston, Mass.**
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
**Roller-Smith Co. ("Roller-Smith"), 233 B'way, New York**
Twinvolute Pump & Mfg. Co., 55 William, **New York**

## 14573—Switches (Automobile)

**American Coil Co. (Electric), Foxboro, Mass.**
Bryant Electric Co., Bridgeport, Conn.
Caskey-Dupree Mfg. Co., Marietta, Ohio
Chicago Electric Mfg. Co. ("Handy"), 2817 S Halsted, Chicago, Ill.
**Clum Mfg. Co., 23 Erie, Milwaukee, Wis.**
Connecticut Telephone & Electric Co. (Inc.) (Electric), Meriden, Conn.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**Dayton Electrical Mfg. Co., Dayton, O.**
**Edwards & Co. (Electric), Exterior & 140th, New York**
**Eldredge Electric Mfg. Co. (Electric), Springfield, Mass.**
**HART MFG. CO.** ("Diamond H." Lighting & Starting), 230 Hamilton, Hartford, Conn. *See adv index at end of book*
**Hart & Hegeman Mfg. Co ("H & H." Electric), Hartford, Conn.**
Hartman Electrical Mfg. Co., Mansfield, O.
Leece-Neville Co., 5363 Hamilton av, Cleveland, O.
McKibben G. N. (Electric), South Norwalk, Conn.
**MORSE FRANK W.**, 289 Congress, Boston, Mass.
*See adv index at end of book*
Mutual Electric & Machine Co. (Self Starting), 232 Fort W., Detroit, Mich.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
North East Electric Co., Rochester, N. Y.
O'Brien Jos. F. Mfg. Co., 391 B'way, New York
Perfection Supply Co. (Electric), 98 Park pl, New York
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Pittsfield Spark Coil Co. (Electric & Lock), Pittsfield, Mass.
Seidler-Miner Co. (Electric), 36 E Larned, Detroit, Mich.
Trumbull Electric Mfg. Co. (Electric), Plainville, Conn.
Utility Co. (Electric), 636 W 44th, New York
Weeber C. F. Mfg. Works (Electric), Albany, N. Y.


# "DIAMOND H" SWITCHES

SEND FOR CATALOGUE

TRADE MARK H

MANUFACTURED BY

HART MANUFACTURING CO., Hartford, Conn.

1613

## 14574—Switches (Automobile Lighting)

Beaver Machine & Tool Co., Inc., 625 N 3d, Newark, N. J.
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**MORSE FRANK W.** ("Morse," "Hardwood," "Pullrite," "Sta-Rite"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14575— Switches (Battery)

Benjamin Elec. Mfg. Co., 120-128 S Sangamon, Chicago, Ill.
*See adv index at end of book*
Chicago El. Mfg. Co., 2817 S Halsted, Chicago, Ill.
Clum Mfg. Co., Montgomery bldg, Milwaukee, Wis.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Couch S. H. Co., Norfolk Downs, Mass.
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Dow Mfg. Co., Braintree, Mass.
Edwards & Co., 140th & Exterior, New York
Fahnestock Elec. Co., Meadow, Long Island City, N. Y.
Hart & Hedgeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Jefferson Electric Mfg. Co., 430 S Green, Chicago, Ill.
Keil Francis & Son, 401 E 163rd, New York
Kurz & Root, Appleton, Wis.
Metal Specialty Mfg. Co. ("Presto" Push & Pull), 338 N Kedzie av, Chicago, Ill.
**MORSE FRANK W.** ("Morse," "Hardwood," "Pullrite," "Sta-Rite"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Oettinger F. W. Corp., 70 E 45th, New York
Ostrander W. R. & Co., 371 B'way, New York
Patrick & Wilkins Co., 51 N 7th, Phila., Pa.
Quick Action Ignition Co. ("Quick Action"), South Bend, Ind.
Quick Action Ignition Co., South Bend, Ind.
Reliable Electric Co. ("Acme"), 411 S Sangamon, Chicago, Ill.
Samson Elec. Co., 146 Summer, Canton, Mass.
Trumbull Electric Mfg. Co., Plainville, Conn.
Voltamp Elec. Mfg. Co., 407 N Paca, Baltimore, Md.
Wood C. D. Elec. Co. ("Bear Cat"), 441 B'way, New York

## 14576— Switches (Canopy)

Beaver Machine & Tool Co., Inc., 625 N 3rd, Newark, N. J.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 14577— Switches (Ceiling)

Bryant Electric Co., Bridgeport, Conn.
Krantz Mfg. Co., 160 7th, Brooklyn, N. Y.
Leveridge Chas. W. ("L. & L."), 133 Liberty, New York
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Sorensen P., 18 Dunham pl, Brooklyn, N. Y.
Waldman Jno. J. 64 Murray, New York

## 14578— Switches (Coil)

American Coil Co. ("American" for Dash Coils & Marine Works), Foxboro, Mass.
Connecticut Telephone & Electric Co., Meriden, Conn.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pittsfield Spark Coil Co., Pittsfield, Mass.

## 14579— Switches (Combination & Cut-out)

Barkelew Electric Mfg. Co., Middletown, Ohio
Bryant Electric Co., Bridgeport, Conn.
**CHICAGO FUSE MFG. CO.,** Laflin & 15th, Chicago, Ill. *See adv index at end of book*
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Detroit Fuse & Mfg. Co., 1400 Rivard, Detroit, Mich.
D. & W. Fuse Co., Hathaway, Providence, R. I.
Eismann Magneto Corp. (Cut-Out), 32 33d, Brooklyn, N. Y.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Heineman Geo., 728 W Girard av, Phila., Pa.
Mutual Electric & Machine Co. (Cut Out), 232 Fort W., Detroit, Mich.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Paiste H. T., 3201 Arch., Phila., Pa.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Signal Accessories Corp., Utica, N. Y.
Trumbull Elec. Mfg. Co., Plainville, Conn.
Worcester Electric & Mfg. Co., Worcester, Mass.

## 14579a— Switches (Control)

Condit Electrical Mfg. Co. ("Condit"), 1st & L, Boston, Mass.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.

## Switches (Derailing)

See Derailers

## 14580-1—Switches (Disconnecting)

Allis-Chalmers Mfg. Co. (Electric), Milwaukee, Wis.
Anderson Albert & J. M. Mfg. Co., 289A, Boston, Mass.
Bowle Switch Co., 14 Montgomery, San Francisco, Cal.
Condit Electrical Mfg. Co. ("Condit"), 1st & L., Boston, Mass.
**DELTA-STAR ELECTRIC CO.,** 2437 Fulton, Chicago, Ill.
Detroit Fuse & Mfg. Co. (Fuse Switch Boxes), 1400 Rivard, Detroit, Mich.
D. & W. Fuse Co., Hathaway, Providence, R. I.
Elec. Engrs. Equipt. Co., 711 Meridian, Chicago, Ill.
Elec. Service Supplies Co., 17th & Cambria, Phila., Pa.
Fisher Chase Mfg. Co., 118 Parsons av, Columbus, O.
General Devices & Fittings Co., 803 W Madison, Chicago, Ill.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Johns-Manville H. W. Co., Madison av & 41st, New York
K-P-F Elec. Co., San Francisco, Cal.
Kelman Electric & Mfg. Co., Los Angeles, Cal.
Lewis & Roth Co., 13th & Wood, Phila., Pa.
Lord Mfg. Co. ("Leco"), 105 W 40th, New York
Niagara Insula-Bake Specialty Co. (Electric), Inc., Albany, N. Y.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Phila. Elec. Co., 10th & Chestnut, Phila., Pa.
Pringle Elec. Mfg. Co., 1906 N 6th, Phila. Pa.
Railway & Industrial Engng. Co., Peoples Bank bldg, Pittsburgh, Pa.
Royal Elec. Mfg. Co., 55 E 40th, Chicago, Ill.
Schweitzer & Conrad Inc., 4431 Ravenswood av, Chicago, Ill.
Trumbull Elec. Mfg. Co., Plainville, Conn.
Worcester Electric & Mfg. Co., Worcester, Mass.

## 14582—Switches (Electric Oil)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Niagara Insula-Bake Specialty Co. (Electric), Inc., Albany, N. Y.

## 14583— Switches (Fixture)

Beaver Machine & Tool Co., Inc., 625 N 3rd, Newark, N. J.
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14584—Switches (Float, Electric)

Chicago Automatic Switch Co., 212 N Peoria, Chicago, Ill.
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.,** Cleveland, O. *See adv index at end of book*
**GENERAL ELECTRIC CO.** (Industrial Control), Schenectady, N. Y.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 14585—Switches (Flush, Push Button)

Arrow Electric Co. ("Arrow"), Hartford, Conn.
Chelton Electric Co. ("Chelton," Shallow Push), Stenton & Rockland, Phila., Pa.
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Cutter Electrical & Mfg. Co. ("I. S. F."), 501 N 19th, Phila., Pa.
**GENERAL ELECTRIC CO.** ("Geco" Rosettes & Switches, Tumbler, Surface Type Snap), Schenectady, N. Y.
*See adv index at end of book*
Hart & Hegeman Mfg. Co. ("H. & H.," "Nutmeg"), Hartford, Conn.
Metropolitan Electric Mfg. Co. ("Metropolitan" Detachable Flush), 14th Long Island City, N. Y.
**MORSE FRANK W.** ("Morse," "Workrite"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14586—Switches (Fused Service)

Detroit Fuse & Mfg. Co. ("Detroit," Iron Clad), 1400 Rivard, Detroit, Mich.
Eynons-Evans Mfg. Co., N 15th & Clearfield, Phila., Pa.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 14587—Switches (High Voltage)

Ajax Electric Co., 56 Baldwin av, Jersey City, N. J.
Clark Elec. & Mfg. Co., 149 B'way, New York
**CUTLER-HAMMER MFG. CO.,** 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Eureka Co., North East Pa.
**GENERAL ELECTRIC CO.,** Schenectady N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Schweitzer & Conrad Inc., 4431 Ravenswood av, Chicago, Ill.
Walker Electric Co, 2337 Callowhill Phila., Pa.
**WESTINGHOUSE ELECTRIC & MFG CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 14588— Switches (Horn)

**MORSE FRANK W.** ("Jost-Horn"), 289 Congress, Boston, Mass.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## Switches (Industrial Railway)

See Railways, Industrial & Portable

## 14588a—Switches (Industrial Track)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*
**CENTRAL FROG & SWITCH CO.**, Cincinnati, O. *See adv index at end of book*
Cincinnati Frog & Switch Co., Cincinnati, O. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.

## 14589—Switches (Interlocking)

**American Valve & Meter Co.**, Cincinnati, O.
Cleveland Frog & Crossing Co., Cleveland, Ohio
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.
**UNION SWITCH & SIGNAL CO., THE**, Swissvale, Pa.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

## 14590— Switches (Knife)

Adam Frank Electric Co. (Type A. B. F.), 904-14 Pine, St. Louis, Mo.
A. G. Mfg. Co. (Remote Control), Seattle, Wash.
Anderson Albert & J. Mfg. Co., 289 A, Boston, Mass.
Automatic Switch Co. (Pressure Regulating, Remote Control), 4 White, New York
Banner Electric Wks. of G. E. Co., Youngstown, O.
Barkelew Elec. Mfg. Co. ("Barkelew" 30 to 2,00 Amperes, "Star," 3 to 600 Amperes), Middletown, O.
Blake Electric Mfg. Co. ("Macfarlane"), 1 Rowes Wharf, Boston, Mass.
Brady Electric Mfg. Co., New Britain, Conn.
Bryant Electric Co., Bridgeport, Conn.
Carman & Tryer, Indianapolis, Ind.
Cleveland Switchboard Co., 2925 E 79th, Cleveland, O.
Columbia Metal Box Co., 226 E 144th, New York
Condit Elec'l Mfg. Co. (Non-Resistance Motor Starters, Remote Control, Oil Break), 1st & L, Boston, Mass.
Connecticut Electric Mfg. Co., Bridgeport, Conn.
Consolidated Car Heating Co. (For Car Heat, Light "Quick Brake"), Albany, N. Y.
Crocker-Wheeler Co. ("Remek"), Ampere, N. J.
Crouse-Hinds Co. (Alsa Radial), Syracuse, N. Y.
Cutter Geo. Co. ("Paragon," "F. F."), South Bend, Ind.
**DELTA STAR ELECTRIC CO.**, 2437 Fulton, Chicago, Ill.
Drendell Electrical & Mfg. Co., 169 Erie, San Francisco, Cal.
**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O. *See adv index at end of book*
Elec. Mfg. Co., 112 Hamilton av, Cleveland, O.
Erner Electric Co., St. Clair av & E 2nd, Cleveland, O.
Eynons-Evans Mfg. Co. ("White"), N 15th & Clearfield, Phila., Pa.
**GENERAL ELECTRIC CO.**, Schenectady N. Y. *See adv index at end of book*
Gold Car Heating & Lighting Co. (For Electric Heaters), 17 Battery pl, New York
Hart Mfg. Co. (Remote Control), 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Heinemann Geo., 728 W Girard av, Phila., Pa.
High Tension Elec. Specialty Co. (Oil Break), Newton, Mass.
Krantz Mfg. Co., 160 7th, Brooklyn, N. Y.
Leader Iron Wks. (Pressed Regulating), Decatur, Ill.
Lemke Electric Co., 509 Cedar, Milwaukee, Wis.
Leonard-Bundy Electric Co., 433 Champlain av, Cleveland, O.
Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.
Manhattan Electrical Supply Co., 17 Park pl, New York *See adv index at end of book*
Marron Mfg. Co., Rock Island, Ill
Menominee Electric Mfg. Co. ("Davis"), Menominee, Mich.
Metropolitan Electric Mfg. Co. ("Metropolitan"), 14th, Long Island City, N. Y.
Milwaukee Vault & Electric Cabinet Box Co., 521 Market, Milwaukee, Wis.
Motor Pratictor Mfg. Co. (Remote Control), San Francisco, Cal.
Mutual Electric & Machine Co. ("Bulldog" All Copper), 232 Fort, W. Detroit, Mich.
New Haven Electric Mfg. Co., New Haven, Conn.
New Haven Switch Co., North Haven, Conn.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Novelty Electric Co., 50 N 4th, Phila., Pa.
Old English Slate Quarries, 10 Milk, Boston, Mass.
Pacific El. & Mfg. Co. (Oil Break), 827 Folsom, San Francisco, Cal.
Paiste H. T. Co., 3201 Arch, Phila., Pa.
Palmer Elec. & Mfg. Co. (Controller Remote Control), 60 K, Boston, Mass.
Parke Jno. Y. & Co., 29 N 7th, Phila., Pa.
Penn Electrical & Mfg. Co., Irwin, Pa.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Pittsburgh Electrical & Machine Works, Barker pl, Pittsburgh, Pa.
Post-Glover Electric Co., 308 W 4th, Cincinnati, O.
Pringle Electrical Mfg. Co., 1906 N 6th, Phila., Pa.
P. R. Mfg. Co., Detroit, Mich.
Reliable Electric Co., 411 S Sangamon, Chicago, Ill.
Rohn Geo. F., 524 Jackson, Milwaukee, Wis.
Springfield Electric Co., Springfield, Mass.
Square D. Co. (Non-Resistance Motor Starting), 1411 Rivard, Detroit, Mich.
Steele W. M., Worcester, Mass.
Sundh El. Co. (Remote Control), 51 E 42d, New York
Tanner Wm. F. & Co. 511 S Sharp, Baltimore, Md.
Trio Mfg. Co., Rock Island, Ill.
Troy Electrical Co., Troy, N. Y.
Trumbull Electric Mfg. Co. ("Trumbull," Also Baby Knife), Plainville, Conn.
V. V. Fittings Co., 1906 N 6th, Phila., Pa.
Walker Electric Co., 2337 Callowhill, Phila., Pa.
Wesco Supply Co. ("Davis"), 7th & Clark av, St. Louis, Mo.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*
Woolley Douglas W., 1170 B'way, New York
Worcester Electric & Mfg. Co. ("Worcester"), Worcester, Mass.
Wurdack Wm. Electric Mfg. Co., 21 11th, St. Louis, Mo.

## 14591— Switches (Lever)

**GENERAL ELECTRIC CO.**, Schenectady N. Y. *See adv index at end of book*
**MORSE FRANK W. ("Keystone," "Harwood," "Handy," "Puritan")**, 289 Congress, Boston, Mass. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14592— Switches (Limit)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 14592a— Switches (Manganese)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*

## 14593— Switches (Magnetic)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O. *See adv index at end of book*
**HART MFG. CO.** ("Diamond H," Remote Control), 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Monitor Controller Co., 514 E Lomard, Baltimore, Md.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Palmer Electric & Mfg. Co., 60 K, Boston, Mass.
Ward Leonard Electric Co., Mount Vernon, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 14594— *Switches (Master)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14595—Switches (Motor Starting)

Crouse-Hinds Co., Syracuse, N. Y.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 14595a—Switches (Narrow Gauge Track)

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*
**CENTRAL FROG & SWITCH CO.**, Cincinnati, O. *See adv index at end of book*
Cincinnati Frog & Switch Co., Cincinnati, O. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, O. *See adv index at end of book*

Niagara Insula-Bake Speciality Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.

## 14596—Switches (Oil Break)

Alberene Stone Co. (Soapstone, Bases & Tops), 223 E 23rd, New York
Allis-Chalmers Mg., Co., Milwaukee, Wis.
Anderson Albert & J. M. Mfg. Co. (Time), 289 A, Boston, Mass.
Campbell Electric Co. (Automatic), 17 Stewart, Lynn, Mass.
Condit Electrical Mfg. Co. ("Condit"), 1st & L, Boston, Mass.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Kelman Electric & Mfg. Co., Los Angeles, Cal.
Mutual Electric & Machine Co. ("Bulldog"), 232 Fort, W. Detroit, Mich.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*
Worcester Electric & Mfg. Co., Worcester, Mass.

## 14597—*Switches (Overhead)

Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 14598— Switches (Pendant)

Arrow Electric Co. ("Arrow"), Hartford, Conn.
Benjamin Electric Mfg. Co., 188 S Sangamon, Chicago, Ill. *See adv index at end of book*
Bryant Electric Co. ("Bryant"), Bridgeport, Conn.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
**GENERAL ELECTRIC CO.** (& Through Cord), Schenectady, N. Y. *See adv index at end of book*

SWITCHES (PENDANT)—continued

Gleason James E. Co. (Gem Pendant & Flush), 560 W Monroe, Chicago, Ill.
Hart & Hegeman Mfg. Co. ("H. & H."), Hartford, Conn.
Hart Mfg. Co., 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Hubbell Harvey (Chain Pull), Bridgeport, Conn.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pass & Seymour ("P. & S."), Solvay, N. Y.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Sears Henry D. ("Weber"), 80 Boylston, Boston, Mass.
Union Electric Co. (Push Button Pendant), Trenton, N. J.

## 14599— Switches (Plug)

**MORSE FRANK W.** ("Morse"), 289 Congress, Boston, Mass. *See adv index at end of book*
Motsinger Device Mfg. Co. ("Motsinger Faultless"), Lafayette, Ind.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14600— Switches (Poletop)

Delta-Star Electric Co., 2437 Fulton, Chicago, Ill.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Schwietzer & Conrad, Inc. ("S & C"), 4431 Ravenswood av, Chicago, Ill.

## 14600a—Switches (Portable Track)

**AMERICAN FROG & SWITCH CO.**, Hamilton, O. *See adv index at end of book*
Lakewood Engineering Co., Cleveland, Ohio *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Veithardt Steel & Metal Corp. (Mill Representatives), 15 Park Row, New York

## 14600b— *Switches (Pull)

General Electric Co., Schenectady, N. Y. *See adv index at end of book*
Signal Accessories Corp., Utica, N. Y.

## 14600c—Switches (Pull & Push)

Connecticut Telephone Co., Meriden, Conn.
Cutler Hammer Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Morse Frank W. ("Morse," "Pullrite," "Sta-Rite"), 289 Congress, Boston, Mass. *See adv index at end of book*

## Switches (Push Button)

See Switches, Snap & Push

## 14601—Switches (Reversing Motor)

Automatic Switch Co. ("Whittingham," for Elevators, etc), 4 White, New York
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O. *See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**HART MFG. CO.** ("Diamond H."), 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 14602—Switches (Rotary Flush & Push Button)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**HART MFG. CO.** ("Diamond H."), 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14603—Switches (Signal or Target)

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Columbia Machine Works & Malleable Iron Co. ("Columbia" for Electric Ry. Service), Atlantic av & Chestnut, B'klyn, N. Y.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Signal Accessories Corp., Utica, N. Y.

## 14604—Switches (Snap, Ordinary)

Arrow Electric Co. ("Arrow"), Hartford, Conn.
Briggs & Stratton Co., 1047 Louis, Milwaukee, Wis.
Bryant Electric Co., Bridgeport, Conn.
Connecticut Tele. & Elec. Co., 70 Britnia, Meriden, Conn.
Edwards & Co., 140th & Exterior, New York
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**HART MFG. CO.** ("Diamond H."), 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Hart & Hegeman Mfg. Co. ("H. & H.," "Hart"), Hartford, Conn
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Paulding John I., New Bedford, Mass.
Perkins Electric Switch Mfg. Co., Bridgeport, Conn.
Standard Elec. Mfg. Co., 216 N Clinton, Chicago, Ill.
Western Elect. Co. (Toggle), 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 14605—Switches (Snap & Push)

Arrow Electric Co. ("Arrow E," Push), Hartford, Conn.
Austin M. B. & Co. (Push), 706 W. Jackson blvd, Chicago, Ill.
Bryant Electric Co. ("Bryant," Snap & Push), Bridgeport, Conn.
Chelton Electric Co. (Push Button), Stenton & Rockland, Phila., Pa.
Connecticut Elec. Mfg. Co. (Push Button), Conn. av, Bridgeport, Conn.
Cowles C. & Co. (Push Button), New Haven, Conn.
**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Cutter Electrical & Mfg. Co., 501 N 19th, Phila., Pa.
Flint Electric & Mfg. Co. (Snap & Push), Denver, Colo.
Fowler Lamp & Mfg. Co. ("Fowler" Push for Motor Cars & Boats), 59 E 24th, Chicago, Ill.
**GENERAL ELECTRIC CO.** (Flush Type Push, also Locking Type; Flush & Surface Type, 3 Circuit Snap), Schenectady, N. Y. *See adv index at end of book*
Hart & Hegeman Mfg. Co. ("H. & H.," "Nutmeg"), Hartford, Conn.
**HART MFG. CO.** ("Diamond H." Push Button), 230 Hamilton, Hartford, Conn. *See adv index at end of book*
Horne Mfg. Co., 4 College pl, Brooklyn, N. Y.
Keil Francis Son (Push Button), 401 E 163rd, New York
**MANHATTAN ELECTRICAL SUPPLY CO.** (Mesco Push Button Rotary), 17 Park pl, New York *See adv index at end of book*
Metropolitan Electric Mfg. Co., 14th, Long Island City, N. Y.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Perkins Electric Switch Mfg. Co. (Snap & Push Button), Bridgeport, Conn.
Sundh Electric Co. (Remote Contact), 209 Parkhurst, Newark, N. J.
Trumbull Electric Mfg. Co. ("T," Rotary Snap), Plainville, Conn.
Union Elect. Co. (Push Button Pendant), Trenton, N. J.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa. *See adv index at end of book*

## 14606— Switches (Solenoid)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis. *See adv index at end of book*
Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14607—Switches (Solenoid Operated)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Gold Car Heating & Lighting Co., 17 Battery pl, New York
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14608-9— Switches (Split)

Ajax Forge Co., 2503 Blue Island av, Chicago, Ill.
American Frog & Switch Co., Hamilton, O. *See adv index at end of book*
Buda Co., Railway Exch. bldg, Chicago, Ill.
**CENTRAL FROG & SWITCH CO.**, Cincinnati, O. *See adv index at end of book*


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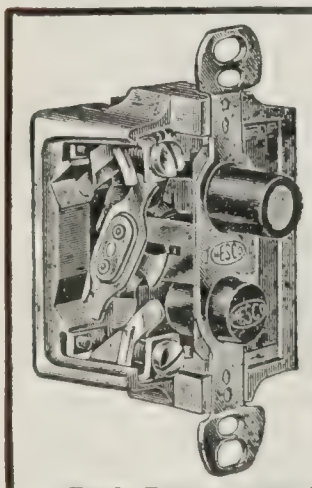
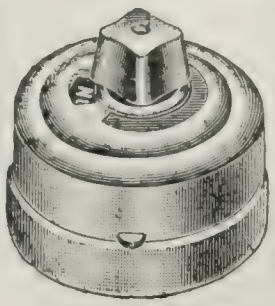
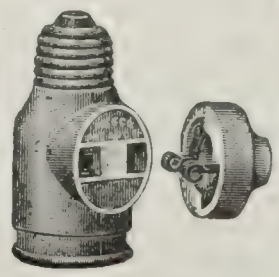

Push Button Switch


Snap Switches


Current Tap

Separable Connector

Flush Plug Receptacles

MANHATTAN ELECTRICAL SUPPLY CO., INC.

NEW YORK, 17 Park Place
CHICAGO, 114 So. Wells Street
ST. LOUIS 1106 Pine Street
SAN FRANCISCO, 604 Mission Street

Cincinnati Frog & Switch Co., Cincinnati, Ohio
*See adv index at end of book*

Established 1906
THE CINCINNATI FROG & SWITCH CO.
Cincinnati, Ohio

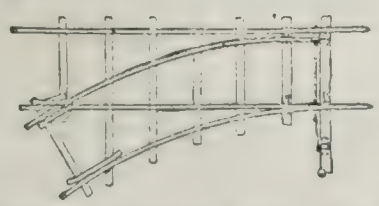
Cleveland Frog & Crosssing Co. ("The Lucas"), 6917 Bessemer av, Cleveland, O.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Elliott Frog & Switch Co., 301 S Main, East St. Louis, Ill.
Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Pettibone, Mulliken & Co. ("Transit" "Gauge" & "Channel"), 140 S Dearborn, Chicago, Ill.
Ramapo Iron Works, Hillburn, N. Y.
**WHARTON WM. JR. & CO. INC.** (Plain & "Tisco" Manganese Steel Tipped), Easton, Pa.

## 14610—Switches, Switch Stands & Fixtures

**See also Frogs, Switches & Crossings; also Crossings; also Signals**
Ajax Forge Co., 2503 Blue Island av, Chicago, Ill.
**AMERICAN FROG & SWITCH CO.**, Hamilton, O. *See adv index at end of book*

**Frogs, Switches, and Switch Stands**
and track work of every description
AMERICAN FROG AND SWITCH CO.
Hamilton, Ohio

American Valve & Meter Co. ("Anderson" Interlocking Switch Stands, & "Economy," "Anderson" Quick Repair, "Anderson" Safety Switch Lock Switch Stands), Cincinnati, O.
Atlas Railway Supply Co. ("Atlas"), 431 S Dearborn, Chicago, Ill.
Bethlehem Steel Co., So. Bethlehem, Pa.
Buda Co., Railway Exchange bldg, Chicago, Ill.
Central Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*


Frogs Switches Switch Stands
Industrial Track Etc.
The Central Frog & Switch Co.
CINCINNATI, OHIO

Cincinnati Frog & Switch Co., Cincinnati, Ohio *See adv index at end of book*

Established 1906
THE CINCINNATI FROG & SWITCH CO.
Cincinnati, Ohio

Cleveland Frog & Crosssing Co. ("The Lucas"), 6917 Bessemer av, Cleveland, O.
Cleveland Railway Supply Co. ("Odenkirk," "Miller" Switchstands), Swetland bldg, Cleveland, Ohio
Conley Frog & Switch Co., Memphis, Tenn.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Elliott Frog & Switch Co., 301 S Main, East St. Louis, Ill.
Federal Signal Co., Albany, N. Y.
**FISHEL & MARKS CO.**, ft. of Krakow av, Cleveland, O. *See adv index at end of book*
Fox Bros. & Co., 126 Lafayette, New York
Frog, Switch & Mfg. Co., Carlisle, Pa.
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Indianapolis Switch & Frog Co., Springfield, O.
Kilby Frog & Switch Co., Birmingham, Ala. *See adv index at end of book*
Levis Henry & Co., Commercial Trust bldg, Philadelphia, Pa.
*See adv index at end of book*
Light Railway Equipment Co., 526 Commercial Trust bldg, Phila., Pa.
Lorain Steel Co., Johnstown, Pa.
Lucey Foundry & Machine Co., Chattanooga, Tenn.
McMyer-Interstate Co. (Switch Stands & Fixtures Only), Bedford, O.
Morden Frog & Crossing Works, ("Union") 208 S La Salle, Chicago, Ill.
Nelson Iron Works, 45 Spokane av, Seattle, Wash.
**NEW YORK SWITCH & CROSSING CO.**, Hoboken, N. J.
Niagara Insula-Bake Speciality Co., Inc., Albany, N. Y.
Pettibone, Mulliken & Co. ("Banner," "Globe," "Crown," "Axel," "Hub" & "Box" Switch Stands), 140 S Dearborn, Chicago, Ill.
Railway & Industrial Engineering Co., People Bank bldg, Pittsburgh, Pa.
Ramapo Iron Works ("Ramapo"), Hillburn, N. Y.
St. Louis Frog & Switch Co., Chemical bldg, St. Louis, Mo.
Seattle Frog & Switch Co., Smith bldg, Seattle, Wash.
Signal Accessories Corp., Utica, N. Y.
Turl Iron & Car Co. (Inc.) The, 50 Broad, New York. Works: Newburgh, N. Y.
Weir Frog Co., Cincinnati, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
**WHARTON WM. JR. & CO. INC.** ("W-J" & Others), Easton, Pa.

## 14610a—Switches (Synchronizing)

Condit Electrical Mfg. Co. ("Condit"), 1st & L, Boston, Mass.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## 14611— Switches (Tank)

Automatic Switch Co., 4 White, New York
Chicago Pump Co., 2342 Wolfram, Chicago, Ill. *See adv index at end of book*
**CUTLER-HAMMER MFG. CO.** (automatic), 12th & St. Paul, Milwaukee, Wis.
*See adv index at end of book*
**ELECTRIC CONTROLLER & MFG. CO.**, Cleveland, O. *See adv index at end of book*
Electrical Repair Co., 548 W 25th, New York
Irish W. F. Electric Supplies ("Shamrock"), 130 W 132d, New York
Jarvis Engine & Machine Works, Lansing, Mich.
Kewanee Private Utilities Co., West Side, Kewanee, Ill.
Leahy John J., 48 Dey, New York
Monitor Controller Co., 514 E Lombard, Baltimore, Md.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Partrick & Wilkins Co., 51 N 7th, Philadelphia, Pa.
Pringle Electrical Co., 1906 N 6th, Philadelphia, Pa.
Sundh Electric Co., 209 Parkhurst, Newark, N. J.
Twinvolute Pump & Mfg. Co., 55 William, New York
Waldman Jno. J., 64 Murray, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 14612— Switches (Theatre)

Adam Frank Electric Co., 904-14 Pine, St. Louis, Mo.
Crouse-Hinds Co., Syracuse, N. Y.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Palmer Electric & Mfg. Co., 60 K, Boston, Mass.
Trumbull Electric Mfg. Co., Plainville, Conn.

## 14613—Switches (Time, Automatic)

Anderson Albert & J. M. Mfg. Co. ("Anderson"), 289 A, Boston, Mass.
A. & W. Electric Sign Co., W 3d & Prospect av, Cleveland, O.
Ballou Hutchins Electric Co., Providence, R. I.
Berry McKnight Clock Co., Marine City, Mich
Campbell Electric Co. ("Campbell"), 17 Stewart, Lynn, Mass.
Central Burglar Alarm Co., 501 Rush, Chicago, Ill.
Electric Flasher Co., 80 5th av, New York
Esler Samuel M., 59 E Adams, Chicago, Ill.
Fenning L. T., Jackson, O.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Hansen Mfg. Co., Princeton, Ind.
Hartford Time Switch Co. ("Hartford"), 71 Murray, New York
Jarvis Engine & Mach. Works, Lansing, Mich.
Kennedy-Webster Co. ("Commonsense"), 536 S Clark, Chicago, Ill.
McClintock O. B. Co., Minneapolis, Minn.
Macalaster-Wiggin Co., 66 Broadway, Boston, Mass.
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
*See adv index at end of book*
Minerallic Electric Co. (Motor Ground), 1045 Washington blvd, Chicago, Ill.
National Time Switch Co., South Bend, Ind.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Paragon Electric Co., 37 W Van Buren, Chicago, Ill.
Reliance Automatic Ltg. Co., Racine, Wis.
Sorensen P., 18 Dunham pl, B'klyn, N. Y.
U. S. Air Compressor Co., Carnegie av, Cleveland, O.
Waldman John J., 64 Murray, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 14614—Switches (Track, Street Railway)

American Frog & Switch Co., Hamilton, O.
*See adv index at end of book*
New York Switch & Crossing Co., Hoboken, N. J.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Squires C. W. Mfg. Co. (Electric Track Switching), Beverly, Mass.
Weir Frog Co., Cincinnati, Ohio
Williams J. H. & Co. ("Vulcan" Drop-Forged Weldless), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
**WHARTON WM. JR. & CO. INC.** (Solid "Tisco" & "Tisco" Manganese Steel Centre Tongue Switches of "H. C. R." & "G. H." Designs), Easton, Pa.

## 14615— Switches (Trolley)

Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Railway Materials Co. ("Ryhmco"), Railway Exch. bldg, Chicago, Ill.
Sackett Mine Supply Co., 164 N 3d, Columbus, O.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 14616— *Switches (Tumbler)

**GENERAL ELECTRIC CO.** (Flush & Surface Types), Schenectady, N. Y.
*See adv index at end of book*
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.

## Switches & Turn Tables (Mine)

See Railways, Industrial & Portable

## 14617—Switches & Frogs (Safety)

Allen-Bradley Co. (Non-Resistance Motor starting Switches), 286 Greenfield av, Milwaukee, Wis.
Consolidated Car Heating Co., Albany, N. Y.
Niagara Insula-Bake Specialty Co., Inc., Albany, N. Y.
Ramapo Iron Works ("Mac Pherson"), Hillburn, N. Y.

## 14618— Swivels

American Well Works (Drilling), Aurora, Ill.
Bethlehem Steel Co., So. Bethlehem, Pa.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Bridgeport Chain Co., Bridgeport, Conn.
Brooks M. S. & Sons (Solid Flat, Nickle or Brass or Steel, etc), Chester, Conn.
Dent Hardware Co., Fullerton, Pa.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Hoopes & Townsend Co. (Closed or Pipe, Open or Arm, etc.), Broad & Buttonwood, Phila., Pa
Lattimer-Stevens Co., 74 E Gay, Columbus, Ohio
Malleable Iron Fittings Co. (Galv. Mall. Iron) ("M. I. F. Co."), Branford, Conn.
Marine Hardware Equipment Co., South Portland, Me.
*See adv index at end of book*
Niagara Falls Metal Stamping Works ("Niagara," all Steel), Niagara Falls, N. Y.
Pratt Wm. E. Mfg. Co. (Chain, Lariat, etc), 35 W Lake, Chicago, Ill.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Stowell Co. (The), So. Milwaukee, Wis.
Union Tool Co., Lorrance, Cal.
Wilcox, Crittenden & Co., Inc. (Wrought Brass & Malleable), Middletown, Conn.
*See adv index at end of book*
Williams J. H. & Co. ("Vulcan" Drop-Forged & Hook), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*
Wire Woods Co. (Steel Wire), Worcester, Mass.

## 14619— Swivels (Chain)

Fischer & Hayes Rope Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Lederer S. & B. Co. (Small Fancy), 100 Stewart, Providence, R. I.
Marine Hardware Equipment Co., South Portland, Maine.
*See adv index at end of book*
Ransome Concrete Machinery Co., Dunellen, N. J.
Stowell Co. (The), So. Milwaukee, Wis.
Williams J. H. & Co. (Forgings), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 14620— Swivels (Halter)

Frazer & Jones Co., Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.

## 14621—Swivels (Punching Bag)

Cassady Fairbank Mfg. Co., 6106 S La Salle, Chicago, Ill.
Nicol & Co., 218 N Jefferson, Chicago, Ill.

## 14622—Swivels (Razor Strop)

Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
North & Judd Mfg. Co. ("Anchor Brand"), New Britain, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14623— Swivels (Snap)

Wire Goods Co. (Steel Wire), Worcester, Mass.

## 14624—Swivels (Sucker Rod Joint)

Cook August D., Lawrenceburg, Ind.

## 14625— Swords

Ames Sword Co., Chicopee, Mass.
Horstmann Wm. H. Co., 5th & Cherry, Phila., Pa.
Lilley M. C. & Co., 6th & Long, Columbus, O.
Schoenhut A. Co (Toy), Adams & Sepviva, Phila, Pa.

## 14626— Synchroscopes

Schweitzer & Conrad, Inc. (Recording), 4431 Ravenswood av, Chicago, Ill.
WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburgh, Pa.
*See adv index at end of book*
Weston Electrical Instrument Co., Waverly pk, Newark, N. J.

## 14627— Syphons (Acid)

Eynon-Evans Mfg. Co. (Lead Lined), N 15th & Clearfield, Phila., Pa.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 14627a— Syphons (Bilge)

Braender Bldg & Construction Co., 315 4th av, New York

## 14628—Syphons (Flush Tank)

Archer Geo. F., 10 E 43d, New York
Stary Frank & Sons, Cedar Rapids, Ia.

## 14629— Syphons (Glass)

Illinois Glass Co., Alton, Ill.
Owens Bottle Co., Toledo, O.

## 14630—Syphons (Steam Gauge)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
CRESSMAN N. C. CO., Drexel bldg, Philadelphia, Pa.
Douds Frank C. & Co., New Castle, Pa.
Kelly & Jones Co. (Common), 135 Water, Pittsburgh, Pa.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Iron), 55 John, New York
McRae & Roberts Co., 227 Campbell av, Detroit, Mich. *See adv index at end of book*
National Gauge Co. (Pressure), 300 Pacific, Brooklyn, N. Y.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.

## 14631—Syphons (Steam Jet)

Douds Frank C. & Co., New Castle, Pa.
Schutte & Koerting Co. ("Koerting" Universal Bilge), 1251 N 12th, Phila., Pa.

## 14632— Syringes (Glass)

Bobe P. Glass Wks., 2711 Lemp av, St. Louis, Mo.
Illinois Glass Co., Alton, Ill.

## 14633-4—Syringes (Hypodermic)

Banks F. S. & Co., 149 Church, New York
Beck & Dickinson, Rutherford, N. J.
Higgins Dental Mfg. Co. (Obtaining), Bellevue, O.
National Thermometer Co., 125 E 23d, New York
Randall-Faichney Co. ("Matchless," "Safety Triumph," "Imperial" Dental, etc), Boston, Mass.
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

## Syringes (Oil)

See Oil Guns & Syringes

## 14635— Syringes & Atomizers (Rubber)

Ajax Co., 220 W 57th, New York
American Hard Rubber Co., 9 Mercer, New York
Bailey C. J. & Co., 22 Boylston, Boston, Mass.
Canton Rubber Co. (Syringes only), Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Hodgman Rubber Co., 8 W 40th, New York
Holland Instrument Corp, 2314 N 11th, Frankford, Phila., Pa.
Marvel Co., 25 W 45th, New York
Miller Rubber Co., Akron, O.
Myers Mfg. Co., Fremont, O.
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co. ("Alpha," "Omega"), 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co. (Syringes Only), Barberton, O.
Seamless Rubber Co., New Haven, Conn.
Star Rubber Co., Akron, O.
Tyler Rubber Co. ("Tyrian," All Kinds for All Purposes), Andover, Mass.
Vant Woud Rubber Co., 163 39th, Brooklyn, N. Y.
Whitall Tatum Co., 410 Race, Phila., Pa.

## 14636— Syrup (Corn)

American Maize-Products Co., 135 William, New York
Benham & Noyes, 12 B'way (Agents & Brokers), New York
Clinton Sugar Refining Co. ("Blico"), Clinton, Iowa
Corn Products Refining Co., 17 Battery pl, New York
Hubinger J. C. Bros. Co., New Haven, Conn.
Stanley A. E. Mfg. Co., Decatur, Ill.
Union Starch & Refining Co., Edinburg, Ind.

## 14636a—*Systems (Cost & Financial)

HOLMES E. J. & CO., 110 S Dearborn, Chicago, Ill. *See adv index at end of book*

## 14636b—*Systems (Electric Haulage)

Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 14637—*Systems (Industrial Transportation)

Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 14638— Table Claw Feet

Berbecker & Rowland Mfg. Co. (Solid Brass & Brass Plated, etc), Waterville, Conn.

## 14638a—Table Tops (Enameled Steel)

Vitreous Enameling Co., Grant av, Cleveland, O. *See adv index at end of book*
Vitreous Steel Products Co., Nappanie, Ind.

## 14639—Tables (Adjustable, Reading)

Baker J. R. & Sons Co., Kendallville, Ind.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.

## 14640— Tables (Bed Side)

Baker J. R. & Sons Co. ("Multi-Use" Adjustable), Kendallville, Ind.
Bernstein Mfg. Co., 3d & Allegheny, Phila., Pa.
Sidway Mercantile Co. (Metal), Elkhart, Ind.
Walker Bros. Co. ("Ideal" Adjustable), Syracuse, N. Y.

## 14641— Tables (Bench)

Goodell-Pratt Co. (Adjustable), Greenfield, Mass.

## 14642—Tables (Billiard & Pool)

Alexander Warren, 607 Main, Worcester, Mass.
American Billiard Table & Saloon Fixture Co., 924 McLean av, Cincinnati, O.
Babcock Billiard Table Mfr., 401 S. Clinton, Syracuse, N. Y.
Briggs Oliver L. & Son, 61 Essex, Boston, Mass.
Brunner F. & Son, 671 Communipaw av, Jersey City, N. J.
Brunswick-Balke-Collender Co., 29 W 32nd, New York

Burrowes E. T. Co. (Portable), Portland, Me.
Came J. E. Co., 114 Sudbury, Boston, Mass.
Canfield Alfred, 199 Market, Newark, N. J.
Castle Chas. L., Syracuse, N. Y.
Clark Herd Mfg. Co., 2419 N Front, Phila., Pa.
Cleveland Billiard & Mfg. Co., 306 Prospect av, N E, Cleveland, O.
Dean C. P. Corp., Richmond, Va.
Decker Co., 62 Cooper sq, New York.
Delph's S. Sons, 4th & Liberty, Pittsburgh, Pa.
Dorr Wallie Co., 35 Murray, New York
Fowler J. L. Co., 1812 W Lake, Chicago, Ill.
Ginzburg M., 134 Bowery, New York
Hughes & Chipman, 1405 Maine, Kansas City, Mo.
Jungblut Aug. Co., 833 Fillmore, San Francisco, Cal.
Keafer L., 329 W Girard av, Phila., Pa.
Klenk August, 483 Alfred, Detroit, Mich.
Koehler & Hinrichs, St. Paul, Minn.
Minn Billiard Co., 1520 Buffum, Milwaukee, Wis.
National Billiard Mfg. Co., 20 W Canal, Cincinnati, O.
Pick Albert & Co., 212 W Randolph, Chicago, Ill.
Schwikert Frank & Son, Rochester, N. Y.
Stillwater Mfg. Co., Stillwater, Minn.

## 14643— Tables (Brazing)

Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## Tables (Brick Cutting)

See Brick Cutting Machinery

## 14644—Tables (Brick Dump)

American Clay Machinery Co. (Revolving), S Walnut, Bucyrus, O.
*See adv index at end of book*

## 14644a—Tables (Cafeteria, Lunchroom & Restaurant)

McLean W. B. Mfg. Co., 729 Herron av, Pittsburgh, Pa.
Vitrolite Co., Chamber of Commerce bldg, Chicago, Ill. *See adv index at end of book*

## 14645— Tables (Canners')

Huntley Mfg. Co. ("Monitor" Tomato Peeling Tables), Silver Creek, N. Y.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Link-Belt Co. (Link-Belt Sanitary Peeling Tables), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 14646—Tables (Card & Folding)

Acme Novelty Co., Jamestown, N. Y.
Bear G. H. Furniture Co. (Folding Card), Allentown, Pa.
Brown C. G. Furniture Co., Syracuse, N. Y.
Burrowes E. T. Co. ("Forum," "Regis," "Tuxedo," "Featherweight," "Midget," "Primus," "O. K.," also 42 inch Round & Vedette Round), Portland, Me.
Carrom Co. ("Acme," "Peerless" Folding), Ludington, Mich.
COLBURN TROLLEY TRACK MFG. CO., ("Nonotuck" Folding), P. O. Box 127, Holyoke, Mass.
Hunzinger Geo. & Son, 323 W 16th, New York
Mueller H. G. Mfg. Co. (Folding Card), Sheboygan, Wis.
Ohio Spring Bed Co., 128 E 38th, Cleveland, O.
Pa. Construction Co. (Folding), Marietta, Pa.
Pratt Mfg. Co. (Folding Card), Coldwater, Mich.
Puffer-Hubbard Mfg. Co., 32nd av S. & 26th, Minneapolis, Minn.
Readsboro Chair Co., Readsboro, Vt.
Sidway Mercantile Co., Elkhart, Ind.
Steinfeld Bros., 116 W 22d, New York
Stokes Wm. A. & Co., 50 Howard, New York
Strobel Philip & Sons, 53 Elizabeth, New York
Udell Works, Indianapolis, Ind.
Wausau Novelty Co., Wausau, Wis.

## 14647—*Tables (Coal Picking)

JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*

## Tables (Concentrating)

*See adv index at end of book*

## 14647a— Tables (Conveyor)

Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hnuting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
U. S. Bottlers' Machy. Co. (Revolving), 2511 Park, Chicago, Ill.

## 14648— Tables (Display)

Bryan Noveqlty Mfg. Co., Bryan, O.
Cox S. S. Show Case Co., North Manchester, Ind.

## 14649—Tables (Drill, Universal)

Carlton Machine Tool Co., Cincinnati, O.

## 14650— Tables (Feed)

Besly Chas. H. & Co. ("Besly" Geared Lever), 120 N Clinton, Chicago, Ill.
United Roll & Foundry Co., Ravenna, O.

## 14650a—Tables (Hydraulic Press)

BURROUGHS CHARLES COMPANY, Newark, N. J. *See adv index at end of book*

## 14651— Tables (Ironing)

Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Domestic Laundry Equipment Corp. ("Domestic"), 224 W 26th, New York
Modern Mfg. Co. ("Emerson"), Hagerstown, Md.
Stokes Wm. A. & Co., 50 Howard, New York

## 14652— Tables (Kitchen)

Bohn Refrigerator Co. ("Sanitor"), 1340 Universal av, St. Paul, Minn.
Cleveland Metal Products Co., Platt av & C. & P. R. R., Cleveland, O.
Demmler & Schenck Co. (White Porcelain Enameled), 434 Penn av, Pittsburgh, Pa.
Ingram-Richardson Mfg. Co. ("Porceliron" Tops), Beaver Falls, Pa.
*See adv index at end of book*

## 14653— Tables (Mailing)

Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
Shults H. H. Co., Gowanda, N. Y.

## 14653a— Tables (Manicuring)

Monument Pottery Co. (Porceltain & Vitreous), Trenton, N. J.

## Tables (Operating)

See Furniture, Hospital; also Furniture, Surgical

## 14654— *Tables (Peeling)

See also Tables, Canners'

Jeffrey Mfg. Co., 961 N Fourth, Columbus, Ohio *See adv index at end of book*

## 14655— Tables (Picking)

Fairmont Mining Machy. Co., Fairmont, W. Va.
Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.
JEFFREY MFG. CO., 961 N Fourth, Columbus, O. *See adv index at end of book*
LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & P. Ry., Phila., Pa.
*See adv index at end of book*
McLanahan-Stone Machine Co., Hollidaysburg, Pa.
Morrow Mfg. Co., Wellston, O.
Pittsburgh Conveying Machinery Co. (For Coal, etc., 4th & Duquesne wy, Pittsburgh, Pa.
Webster Mfg. Co., 4500-60 Courtland, Chicago, Ill.
*See adv index at end of book*

## 14656— Tables (Plane)

Keuffel & Esser Co., Hoboken, N. J.

## 14657—Tables (Rollong Mill Feed)

Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Macintosh, Hemphill Co., ft. of 12th, Pittsburgh, Pa.
Morgan Construction Co., Worcester, Mass.
MORGAN ENGINEERING CO. (Electric), Alliance, O. *See adv index at end of book*
National Roll & Fdry. Co., Avonmore, Pa.
Penna. Engng. Works, New Castle, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
United Engng. & Fdry Co., Keenan bldg, Pittsburgh, Pa.
United Roll & Foundry Co., Ravenna, O.
Wheeling Mold & Foundry Co. (Blooming Mill Tables & Manipulators, etc), Wheeling, W. Va.

## 14658—Tables (Saw Brazing)

Covel Mfg. Co., Benton Harbor, Mich.
Hanchett Swage Works, Big Rapids, Mich.
Huther Bros. Saw Mfg. Co., Rochester, N. Y. *See adv index at end of book*

## 14659— Tables (Separating)

Sutton Steel & Steel (for separating and purifying field seeds & cereals), Dallas, Texas

## 14660— Tables (Sewing)

Conrey-Davis Mfg. Co., Shelbyville, Ind.
Curtiss Brothers, Richland, N. Y.
Davis-Birely Table Co., Shelbyville, Ind.

## 14661— Tables (Slime)

See also Mining Machinery

Deister Concentrator Co. ("Deister" & "Deister-Overstrom"), Fort Wayne, Ind.
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
Mine & Smelter Supply Co. ("Wilfrey"), 42 B'way, New York

## 14662—Tables (Soap Cutting)

See also Soap Makers' Machinery

Houchin Aiken Co., 113 53d, Brooklyn, N. Y.

## 14663—Tables (Spacing, Hand & Automatic)

Cleveland Punch & Shear Works Co., 3921 St. Clair av N E, Cleveland, O.
Thomas Spacing Machine Co., Fulton bldg, Pittsburgh, Pa.

## 14664—Tables (Spring Assembling)

Ryerson Jos. T. & Son (Hydraulic, Ball Bearing), 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*

## 14665— Tables (Steel)

Art Metal Construction Co. (Adding Machines, Billing Machine, Dining, Directors, Dispensary, Mixing, Library, Serving, Typewriter), Jamestown, N. Y.
*See adv index at end of book*
Bayer-Rothgeb Co. (Wood Top), Santa Fe av, Los Angeles, Cal.
Bernstein Mfg. Co. 3d & Allegheny, Phila., Pa.
Buffalo Metal Furniture Mfg. Co. ("Neverwear" Steel Restaurant, Cafe, etc; also Iron Base) Buffalo N. Y.
Demmler & Schenck Co., 434 Penn av, Pittsburgh, Pa.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Durand Steel Locker Co. (For Offices, Engineering Plants, etc.), 76 W Monroe, Chicago, Ill.
General Fireproofing Co. (Office), Youngstown, O.
Heltzel Steel Form & Iron Co., Warren, O.
Lyon Metallic Mfg. Co. ("Lyon," For All Purposes), Aurora, Ill.
Metal Office Furniture Co., Grand Rapids, Mich.
Mothrup Steel Products Co. (Polished Table Tops), Beaver Falls, Pa.

TABLES (STEEL)—continued

**New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.**
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Wilson Andrew Co., 616 Essex, Lawrence, Mass.** *See adv index at end of book*

## 14666-7—*Tables (Steel, Factory)

**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Superior Tack & Nail Co., Derby, Conn.

## 14668—*Tables (Tomato Peeling)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

## 14669— Tables (Transfer)

**American Bridge Co., 30 Church, New York**
**City Boiler & Machine Co. (Electric Car),** 939 W 8th, Kansas City, Mo.
**Cleveland Punch & Shear Works Co., 3931 St. Clair av N E, Cleveland, Ohio**
Easton Car & Construction Co., 198 Fulton Square, Easton, Pa.
*See adv index at end of book*
Garrison A. Foundry Co.,, 901 Bingham, Pittsburgh, Pa.
Industrial Works, Bay City, Mich.
Nichols Geo. P. & Bro. (Electric, etc.), 2139 Fulton, Chicago, Ill.
*See adv index at end of book*
**Snyder Steel & Iron Works Co. (Electric Car), Kansas City, Mo.**
**Wharton Wm. Jr. & Co., Inc. (Electric Car, etc.), Easton, Pa.**
**White Mfg. Co. (Electric Car, etc), 556 W 34th, New York**
**Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.**

## 14670—Tables (Transfer, Electric)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**NICHOLS GEO. P. & BRO., 2139 Fulton,** Chicago, Ill. *See adv index at end of book*

**Nichols Transfer Tables**
85 Railroads Use Them
GEO. P. NICHOLS & BRO.
Chicago, Ill.

**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
**Wharton Wm. Jr. & Co. Inc., Easton, Pa.**
**Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.**

## 14671—Tables (Water Cooled Casting)

**National Roll & Foundry Co., Avonmore, Pa.**

## 14672—Tables (Wire Carrying)

**Ticonderoga Machine Works (Brass for Paper Makers), Ticonderoga, N. Y.**

## 14672a—Tables (Wood, Toy)

Basic Mfg. Co., Wilmington, Del.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## Tablets (Bronze, Etc.)

**See Bronze Tablets, etc**

## Tablets (Cast Brass, Bronze or Iron)

**See Bronze Tablets**

## 14672b—Tablets, Signs & Letters

**Brass Fdry. Co., Peoria, Ill.**
Gorham Co., Architectural Bronze, 5th av & 36th, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*

## 14672c—Tablets & Headstones (Slate)

Bangor Structural Slate Co., Bangor, Pa.
*See adv index at end of book*
Old English Slate Quarries, 10 Milk, Boston, Mass.

## 14673— Tabs (Index)

**Aigner G. J. & Co. (Patent-Cut), 554 W Adams, Chicago, Ill.**
Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.
**Graff Geo. B. Co. ("Graffco Vise"), 294 Washington Boston, Mass.**
Hub J. C. Mfg. Co., 204 E 3rd, Cleveland, O.
**Smith Chas. C. (Gummed), Exeter, Neb.**
Yawman & Erbe Mfg. Co., Rochester, N. Y.

## 14674— Tachometers

See also Indicators, Speed

**American Ever Ready Works, Thompson av, L. I. City, New York**
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
**Biddle James G. ("Frahm" Vibration, "Ja-Ga-Bi" Hand), 1211 Arch, Phila., Pa.**
**BRISTOL CO.** ("Bristol's" Long Distance Recording), Waterbury, Conn.
*See adv index at end of book*
**BROWN INVESTMENT CO.,** Wayne & Windrim, Phila., Pa.
Corbin Screw Corp. ("Corbin-Brown"), New Britain, Conn.
**Du Vivier Ernest H. (Imp), 30 Church, New York**
**Electric Tachometer Co. (Electrical), 435 N Broad, Phila., Pa.**
**Esterline Co., Indianapolis, Ind.**
**Holtzer-Cabot Elec. Co., 125 Armory, Boston, Mass.**
Jones Motrola Co., 29 W 35th, New York
**Lombard Governor Co. (Precision), Ashland, Mass.**
**National Gauge Co. ("National" Portable, Stationary, Indicating & Recording), 300 Pacific, Brooklyn, N. Y.**
Nelson Instrument Co. ("Reliance" Aeroplane & Marine), Elkins, Boston, Mass.
**Queen-Gray Co. (Recording), 618 Chestnut, Phila., Pa.**
Roller-Smith Co., 233 B'way, New York
**SCHAEFFER & BUDENBERG MFG. CO.** (Portable, Stationary, Indicating & Recording, Special for Power Boats, Paper Machines & Turbines), Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Stewart-Warner Speedometer Corp., 1826 Diversey Parkway, Chicago, Ill.
Thompson-Levering Co. ("Peerless" Jobbers), 325 Arch, Phila., Pa.
**Jehling Instrument Co., 71 B'way, New York City**
**Veeder Mfg. Co. ("Veeder"), Hartford, Conn.**
Weston Elec'l M. Strument Co., Weaverly pl., Newark, N. J.
Zernickow O., 15 Park row, New York

## 14675—*Tachometers (Recording)

**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.** Berry & So. 5th, Brooklyn, N. Y.
*See adv index at end of book*

## 14676— Tachoscopes

**Biddle Jas. G., 1211 Arch, Phila., Pa.**
**SCHAEFFER & BUDENBERG MFG. CO.** (Non-Magnetic, Combined Counter & Watch), Berry & So. 5th, Brooklyn, N. Y. *See adv index at end of book*
Zernickow O., 15 Park row, New York

## 14676a— Tackle (Marine)

American Hoist & Derrick Co., St. Paul Minn.

## 14677— Tacks

**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
**Anderson Tack Co., Rockland, Mass.**
**Atlas Tack Co. (Cut & Wire), Fairhaven, Mass.**
**Carter Geo. A. (Shoe), Brockton, Mass.**
**Churchill & Allen (Shoe), Lynn, Mass.**
**Clendenin Bros. (Iron & Brass Shoe, etc), cor Central av & Fawn, Baltimore, Md.**
**Cleveland Tack Works (Shoe, Upholsterers & Carpet), 1205 E 55th, Cleveland, O.**
**Cobb & Drew, Plymouth, Mass.**
**Cole H. C. & W. S., Kingston, Mass.**
Cross W. W. & Co. (Inc.) (Tacks & Shoe Nails), Brockton, Mass.
**Crossman Tack Co., Dighton, Mass.**
**Genesee Tack Co., Rochester, N. Y.**
**Gurney D. B. Co., Whitman, Mass.**
**H. C. Tack Co., Cleveland, O.**
**Haverhill Tack Co., Haverhill, Mass.**
**Hawkins Co., South Britain, Conn.**
**Holland Mfg. Co., Central av & Bank, Baltimore, Md.**
**Illinois Nail Co., 826 Dix, Chicago, Ill.**
**Independent Tack Co., Oil City, Pa.**
**Interstate Iron & Steel Co. (All Kinds),** 104 S Michigan av, Chicago, Ill.
**Lounsberry A. P., 11 W 5th, Cincinnati, O.**
**Maglathlin F. W. & Co., Kingston, Mass.**
**Miller's H. J. Sons (Shank & Machine Shoe), Bridgewater, Mass.**
**Milwaukee Tack Co. (Carpet, Broom, Canvas, Upholsterers', Bill Posters', Coopers', Shoe Cheese Box, Hungarian, etc), 27th & Wahl av, Milwaukee, Wis.**
**National Screw & Tack Co., Stanton av, S. E. & C. & P. Ry., Cleveland, O.**
**Osborne W. & Co., Lakeville, Mass.**
**Parker Wire Goods Co. (Wire), Worcester, Mass.**
**Penn Tuck Co., Norristown, Pa.**
**Phillips Ezra & Sons, South Hanover, Mass.**
**Plymouth Mills, Plymouth, Mass.**
**Ripley & Bartlett, Plymouth, Mass.**
**Roberts G. G. Corp., Whitman, Mass.**
**Salmond Sam'l & Son, Hanover, Mass.**
**Shelton Tack Co. (Cut, Basket, Carpet, Brush, Looking Glass, Lace, Gimp, Broom, Trunk, Hide, Bill Posters, Upholsterers, Trimmers, etc.), Shelton, Conn.** *See adv index at end of book*

**TACKS**
**Small Nails**
**Cobblers' Nails, Glazier Points**
**SHELTON TACK CO.**
**Shelton, Conn.**

Smith & McCracken, Inc. (Jobbers), 411 E 18th, New York
**Somers Patrick E., Worcester, Mass.**
**Stanley Geo. W. Co., Belleville, Ill.**
**Stevens & Willis Co., South Braintree, Mass.**
**Superior Tack & Nail Co., Derby, Conn.**
**Taunton-New Bedford Copper Co. (Copper), Taunton, Mass.**
**Tower Mfg. Co. (Steel, Iron, Copper, etc), Elm & Commerce, Cincinnati, O.**
**Waterman R. C. & Co. (Gimp, Lace, Carpet, Bill Posters', Basket, etc.), So. Hanover, Mass.**
Wickwire Spencer Steel Corp., Buffalo, N. Y. *See adv index at end of book*
**Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.**
**Wire Goods Co., Worcester, Mass.**
**York Tack & Nail Works (Also Nails), York, Pa.**

## 14678— Tacks (Bill Posters')

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Fisher & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Genesee Tack Co., Rochester, N. Y.**
**Independent Tack Co., Oil City, Pa.**
**Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.**
**Penn Tack Co., Norristown, Pa.**

Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Taunton Nail Co., Taunton, Mass.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 14679—Tacks (Brass & Copper)

Atlas Tack Co., Fairhaven, Mass.
Clendenin Bros. cor Central av & Fawn, Baltimore, Md.
Cole H. C. & W. S., Kingston, Mass.
Diamond Tack & Nail Works, 89 Beach, Boston, Mass.
GRAMMES L. F. & SONS, Allentown, Pa.
*See adv index at end of book*
Hungerford U. T. Brass & Copper Co. ("Star"), 80 Lafayette, New York
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104 So. Michigan av, Chicago, Ill.
Mattatuck Mfg. Co. (Brass), Waterbury, Conn.
Merchant & Evans Co. (Copper), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Phillips Ezra & Sons, South Hanover, Mass.
Plymouth Mills, Plymouth, Mass.
Ripley & Bartlett, Plymouth, Mass.
Rome Brass & Copper Co., Rome, N. Y.
Taunton-New Bedford Copper Co. (Copper Only), Taunton, Mass.

## 14680—Tacks (Broom, Basket & Brush)

Genesee Tack Co., Rochester, N. Y.
*See adv index at end of book*
Independent Tack Co., Oil City, Pa.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Superior Tack & Nail Co. (Basket), Derby, Conn.
Townsend Co., New Brighton, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 14681— Tacks (Carpet)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Crossman Tack Co., Dighton, Mass.
Fisher & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Genesee Tack Co., Rochester, N. Y.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104 So. Michigan av, Chicago, Ill.
*See adv index at end of book*
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Salmond Sam'l & Son, Hanover, Mass.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Buffalo, N. Y. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 14682—Tacks (Carriage Trimmers')

Independent Tack Co., Oil City, Pa.
Genesee Tack Co., Rochester, N. Y.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*

## 14683— Tacks (Cheese Box)

Genesee Tack Co., Rochester, N. Y.
Independent Tack Co., Oil City, Pa.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Superior Tack & Nail Co., Derby, Conn.

## 14684—Tacks (Crimping or Lasting)

Independent Tack Co., Oil City, Pa.
United Awl & Needle Co., West Medway, Mass.

## 14685—Tacks (Double-Pointed)

Atlas Tack Co., Fair Haven, Mass.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Cobb & Drew, Plymouth, Mass.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Holland Mfg. Co., Central av & Bank, Baltimore, Md.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104 So. Michigan av, Chicago, Ill.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Penn Tack Co., Norristown, Pa.
Pickering R. S., Sharon Hill, Pa.
Plymouth Mills, Plymouth, Mass.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Stanley Geo. W. Co., Belleville, Ill.
Titchener E. H. & Co., Binghamton, N. Y.
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Wickwire Spencer Steel Corp., Buffalo, N. Y. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.

## 14686— Tacks (Gimp)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Independent Tack Co., Oil City, Pa.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 14687— Tacks (Hide)

Independent Tack Co., Oil City, Pa.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 14688—*Tacks (Insulated Wiring)

WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del.
*See adv index at end of book*

## 14689— Tacks (Lead)

United Lead Co., 111 B'way, New York

## 14690— Tacks (Miners')

Independent Tack Co., Oil City, Pa.
Penn Tack Co., Norristown, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 14691—Tacks (Rubber-Headed)

Elastic Tip Co., 370 Atlantic av, Boston, Mass.
Goodrich B. F. Co., Akron, O.
New York Belting & Packing Co., 91 Chambers st, New York
Parker-Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Pennsylvania Rubber Co., Jeannette, Pa.
Tyer Rubber Co. ("Tyrian"), Andover, Mass.

## 14692— Tacks (Shoe)

Carter Geo. A., Brockton, Mass.
Churchill & Allen, Lynn, Mass.
Clendenin Bros. (Iron & Brass), cor Central av & Fawn, Baltimore, Md.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Cole H. C. & W. S. (Hand & Machine), Kingston, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Independent Tack Co., Oil City, Pa.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
National Tack Co., East Bridgewater, Mass.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Somers Patrick E. (Shoe Finders'), Worcester, Mass.

## 14693— Tacks (Thumb)

Albrecht Chas. R., 62 Fulton, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hampden Mfg. Co. ("Clover Leaf"), 108 Fulton, New York
Hawkes-Jackson Co. ("Solidhed"), 38 Murray, New York
Hoge Mfg. Co. ("German Style"), 45 John, New York
Johnston J. D., Newport, R. I.
Keuffel & Esser Co. ("Ideal"), Hoboken, N. J.
Moore Push-Pin Co. ("Moore," Steel Pointed), 133 Berkeley, Phila., Pa.
National Sheet Metal Co. (Stamped from Nickel Steel), Peru, Ill.
Noesting Pin Ticket Co., Inc. ("Solid Head"), Mt. Vernon, N. Y.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
Turner & Seymour Mfg. Co., Torrington, Conn.

## 14694— Tacks (Trimmers')

Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Somers Patrick E., Worcester, Mass.

## 14695— Tacks (Trunk)

Independent Tack Co., Oil City, Pa.
Penn Tack Co., Norristown, Pa.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 14696— Tacks (Upholsterers')

American Ring Co., Waterbury, Conn.
AMERICAN STEEL & WIRE CO. ("American" Wire), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Berbecker & Rowland Mfg. Co. (Brass Furniture Nails), Waterville, Conn.
Cleveland Tack Works, 1205 E 55th, Cleveland, O.
Crandal, Stone Division, The, Brewer-Titchener Corp., Binghamton, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Genesee Tack Co., Rochester, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Holland Mfg. Co. (Brass & Gilt), Central av & Bank, Baltimore, Md.
Independent Tack Co., Oil City, Pa.
Interstate Iron & Steel Co., 104 So. Michigan av, Chicago, Ill.
Lounsberry A. P., 11 W 5th, Cincinnati, O.
Mattatuck Mfg. Co. ("Leatherine"), Waterbury, Conn.
Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
Morley Button Mfg. Co. ("Milonite, Perfection" Button Head Nail), Portsmouth, N. H.
North & Judd Mfg. Co. ("Perfection"), New Britain, Conn.
Penn Tack Co., Norristown, Pa.
Plymouth Mills, Plymouth, Mass.
Ripley & Bartlett, Plymouth, Mass.
Roberts G. G. Corp. ("Crown"), Whitman, Mass.
Salmond Sam & Son, Hanover, Mass.
Shelton Tack Co., Shelton, Conn.
*See adv index at end of book*
Somers Patrick E., Worcester, Mass.
Tockwotton Co., Providence, R. I.
Tower Mfg. Co. Elm & Commerce, Cincinnati, O.
Traut & Hine Mfg. Co., New Britain, Conn.
Turner & Seymour Mfg. Co. ("Eagle," "Keystone"), Torrington, Conn.
U. S. Needle Concern, 912 W Madison, Chicago, Ill.
Waterman R. C. & Co., South Hanover, Mass.
Wickwire Spencer Steel Corp., Buffalo, N. Y. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 14696a— Tag Deadlocks

Campbell Paper Box Co., South Bend, Ind.

## 14697—Tags (Bag, Aluminum)

Aluminum Goods Mfg. Co., Manitowoc, Wis.
Decker Mfg. Co., Keokuk, Ia.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 14698— Tags (Dog)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Niagara Falls Metal Stamping Works, Niagara Falls, New York**

## 14699— Tags (Hard Fibre)

See also Fibre, Hard

Continental Fibre Co., Newark, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.,** Wilmington, Del.
*See adv index at end of book*
**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del.
*See adv index at end of book*

## 14700— Tags (Hook)

Salisbury Mfg. Co., 14 Leather av, Providence, R. I.
Thomas Stationery Mfg. Co., **Springfield,** Ohio

## 14701—Tags (Hotel Key, Etc.)

**American Railway Supply Co., 134 Charles,** New York
**Burg E. F.** Co. (& Hotel Supplies), 224 W. 1st, Duluth, Minn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.**

## 14702—Tags (Indelible Ink)

Clark R. S. & Son, Cohoes, N. Y.

## 14703— Tags (Index)

**Smith Chas. C., Exeter, Neb.**

## 14704— Tags (Jewelers')

**Bonnell J. D. & Son, 311 Atlantic av, Boston, Mass.**
**Eisler Anthony & Co. (Also Mdse, Hook, etc), 227 Canal, New York**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 14705— Tags (Laundry)

**Boston Clip & Tag Co., 40 Sudbury, Boston, Mass.**
**Higgin Mfg. Co., Newport, Ky.**
**Merchandise & Laundry Tag Co. ("Sta-On"), 19 Washington, Boston, Mass.**
White-Quekl Mfg. Co. (Marking), 429 E Pearl, Cincinnati, O.

## 14706—Tags (Metal Edge)

Salisbury Mfg. Co., 14 Leather av, Providence, R. I.

## 14706a— Tags (Oyster)

Equipoise Rivet Co., Waterbury, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 14706b—*Tags (Plant, Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 14707— Tags (Shipping)

See also Tags, Tin; also Tags, Zinc

**Acme Tag Co., 2840 Fremont av, Minneapolis, Minn.**
**Allen Robert T., Jackson, Mich.**
**Allen & Bailey Tag Co., Caledonia, N. Y.**
**American Mfg. Co., Battle Creek, Mich.**
**American Tag Co., 6133 S State, Chicago, Ill.**
**American Tag Co. of N. J., 123 Sussex av, Newark, N. J.**
**Anderson W. J. & Co., 341 B'way, New York**
Campbell Paper Box Co. (Every Variety), South Bend, Ind.
Dancyger Safety Pin Ticket Co., 4707 Detroit, Cleveland, O.
**Decker Mfg. Co., Keokuk, Ia.**
**Denney Tag Co., West Chester Pa.**
**Dennison Mfg. Co., 26 Franklin, Boston, Mass.**
**Eisler Anthony & Co. (Also Mdse, Hook, etc), 227 Canal, New York**
International Tag Co., 319 N Whipple, Chicago, Ill.
**Keystone Tag Co., West Chester, Pa.**
**Murray Mfg. Co. (Cotton), Newnan, Ga.**
**National Tag Co., Dayton, O.**
Porter Safety Seal Co. ("Porter"), 161 W. Harrison, Chicago, Ill.
**Reyburn Mfg. Co., 23rd & Allegheny av, Phila., Pa.**
Robinson Tag & Label So., 142 W 18th, New York
**Salisbury Mfg. Co., 14 Leather av, Providence, R. I.**
Scharf Tag & Label Co., Ypsilanti, Mich.
Shuman F. G. Co., 168 W Michigan av, Chicago, Ill.
**Sutcliffe Adam & Co., Pawtucket, R. I.**
**Thomas Stationery Mfg. Co., Springfield, Ohio**
**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland O., & 538 Brisbane bldg, Buffalo, N. Y.
*See adv index at end of book*

## 14708— Tags (Tin)

**AMERICAN CAN CO.,** 120 Broadway, New York. *See adv index at end of book*
**American Tag Co., 6133 S State, Chicago, Ill.**
Ammidon & Co., 31 S Frederick, Baltimore, Md.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
**Murdock W. Jas. Co., 116 Opera pl, Cincinnati, O.**
**Spencer S. M. Mfg. Co., 9 Cornhill, Boston, Mass.**
Bunting Stamp Co. (Metal), 713 Liberty av, Pittsburgh, Pa.

## 14709— Tags (Zinc)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Hill J. H. & Sons, Coventry, R. I.**

## Tailors' Irons

See Sad Irons

## 14710— Take-Ups

**Dodge Sales & Engineering Co., Mishawaka, Ind.**
**Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.**
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill. & Hunting Park av, & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Nordyke & Marmon Co. (Belt & Rope), Kentucky av & Morris, Indianapolis, Ind.
United Iron Works, Inc., Kansas City, Mo.
*See adv index at end of book*
Webster Mfg. Co., 4500-60 Courtland, Chicago, Ill. *See adv index at end of book*
**Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.**

## Take-Ups (Wire)

See Reels, Payout & Take-up

## 14711—Talc Blanks (Insulator & Gas Burner)

North Carolina Talc & Mining Co., Hewitts, N. C.

## 14712— Talc Importers

**Fuerst Bros. & Co., 2 Stone, New York**

## 14713—Talc Mfrs. & Miners

Adams D. C. Crayon Co. (Soapstone), 125 Market, St. Louis, Mo.
American Lava Corp., Chattanooga, Tenn.
*See adv index at end of book*
**American Mineral Co., Johnson, Vt.**
**Atlas Mineral Products Co., Lincoln, N. J.**
**Bull Run Talc. & Soapstone Co. ("Red-oxo" Red), Clifton Station, Va.**
**Chemical Mfg. Co., Covington, Ky.**
**Cohutta Talc Co., Dalton, Ga.**
**Doggett Stanley, 11 Cliff, New York**
**Dunn & Kruse (Imp.), 63 Park row, New York**
**Georgia Talc Co., Asheville, N. C.**
**Gregory Talc, Blackboard & Crayon Co., Nashville, Tenn.**
**Jackson E. F. & Co., 224 E 2nd, Cincinnati, Ohio**
**International Pulp Co. ("Asbestine"), 41 Park Row, New York**
**North Carolina Talc & Mining Co., Hewitts, N. C.**
**Ontario Talc Co., Gouverneur, N. Y.**
**Product Sales Co., 32 S Calvert, Baltimore, Md.**
**Robbins A. A., 99 John, New York**
**Smith J. Lee & Co. (Imp.), 19 Jacob, New York**
**Uniform Fibrous Talc. Co., 280 Madisoh, New York**
**Union Talc Co., 132 Nassau, New York**
**Vermont Talc Co., Holyoke, Mass.**

## 14714— Talc (Powdered)

**American Mineral Co., Johnson, Vt.**
**Binney & Smith Co. (Importers), 81 Fulton, New York**
**Carbolo Chemical Co., Inc. ("Talclay"), 5 E 42nd, New York**
**CHRYSTAL CHAS. B.** (Importer), 18 Cliff, New York
*See adv index at end of book*
**Doggett Stanley (Also Crayons), 11 Cliff, New York**
**Eastern Talc Co., 45 Milk, Boston, Mass.**
**Federal Foundry Supply Co. ("Bull Run"), 2639 E 79th, Cleveland, O.**
**Georgia Talc Co. (Also Foundry Facings), Asheville, N. C.**
**Hammill & Gillespie (Imp.), 240 Front, New York**
**Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, Oo.**
**International Pulp Co., 41 Park row, New York**
**Nevins Sam'l Co. (French & American), 109 S 2d, Phila., Pa.**
**New England Quartz Co. of N. Y., 150 Nassau, New York**
**North Carolina Talc & Mining Co., Hewitts, N. C.**
**Salomon L. A. & Bro. (Imp.), 216 Pearl, New York**
**Smith Facing & Supply Co., 1857 Carter rd, Cleveland, O.**
**Steward D. M. Mfg. Co., Chattanooga, Tenn,**
**Western Federal Supply Co., Cleveland, O.**
**Whittaker, Clark & Daniels, Inc. (Jobbers), 250 Front, New York**
**WILLIAMS C. K. & CO., Easton, Pa.**
*See adv index at end of book*

## 14714a— Talcum

**Cooper Chas. & Co., 194 Worth, New York**
**International Pulp Co., 41 Park row, New York**
**Union Talc. Co., 132 Nassau, New York**

## 14715—Talking Machine Specialties

**Barnhart Bros. & Spindler, 32 Throop, Chicago, Ill.**
**General Phonograph Corp., 25 W 45th, New York**
**Kent F. C. & Co., 359 Mulberry, Newark, N. J.**
**Presto-Phone Parts Corp., 124 Pearl, Brooklyn, N. Y.**
**Saal H. G. Co., 1800 Montrose av, Chicago, Ill.** *See adv index at end of book*
**Standard Gramaphone Appliance Co. (Automatic Stops, Fibre Needle Cutters, Record Cleaners), 237 Lafayette, New York**
**Thomas Mfg. Co., Dayton, O.**
**Weber-Knapp Co. (Hardware), Jamestown, N. Y.**

## 14716— Tallow

**Armour & Co., 208 S La Salle, Chicago, Ill.**
**Baugh & Sons Co., 20 S Delaware av, Phila., Pa.**
**Beach Soap Co., Lawrence, Mass.**
**Biggs E. W. & Co., Kansas City, Mo.**
**Birmingham Hide & Tallow Co., Birmingham, Ala.**
**Bissinger & Co., 454 Eureka av, San Francisco, Cal.**
**Bretney H. & Co., Springfield, O.**
**California Tallow Works, 214 Front, San Francisco, Cal.**
**Claverie A. J. & Co., New Orleans, La.**
**Connecticut Fat Rendering & Fertilizing Corp., New Haven, Conn.**

Consolidated Rendering Co. ("Perfection," "Peerless"), 40 N Market, Boston, Mass
Cudahy Packing Co., 111 W Monroe, Chicago, Il.
Darling & Co., 4201 S. Ashland av, Chicago, Ill.
Davis Oil Co., 95 Ninth, Brooklyn, N. Y.
Elkan H. & Co., 10 W Austin av, Chicago, Ill.
Faber F. H. & Co., Peoria, Ill.
**Flavell Co., Asbury Park, N. J.**
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Hartman Bros., Inc. (Imp.), 641 Atlantic av, Boston, Mass.
Hartmann Pacific Co., Inc. (Imp.), 80 Wall, New York
Herrmann Jos. F. & Co., Fisher bldg, Chicago, Ill.
James Henry & Son, 15 Exchange, Boston Mass.
Jardine, Matheson & Co. (Imp.), 25 Madison av, New York
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
**Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York.**
**Link David C. & Co. (Imp.), Produce Exchange, N. Y.**
Marx Hide & Tallow Co., Louisville, Ky.
Milwaukee Tallow & Grease Co., Vogel's Island, Milwaukee, Wis.
Mitsui & Co., Ltd. (Imp. Chinese), 65 B'way, New York
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Morse J. F. & Co., 66 Norfolk av, Rox., Boston, Mass.
New Orleans Butchers' Co-operative Abattoir Co. (Ltd.), New Orleans, La.
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Reardon Jno. & Sons Co. (Oleo), Cambridge, Mass.
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Rogers A. Co., Aurora, Ill.
St. Louis Hide & Tallow Co., 2d & Talcott, St. Louis, Mo.
Schwarz Bros. Co., Kearny, N. J.
Stern Jos. & Sons, 614 W 40th, New York
Stevenson Bro. & Co., 10 Race, Phila., Pa.
Swift & Co., Union Stock Yards, Chicago, Ill.
Union Hide Co. (Dealers), 3d & Harrison, Oakland, Cal.
United Dressed Beef Co., 1st av & 44th, New York
Van Iderstine Co., Long Island City, New York
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White Thos. H. & Co. (Brokers), 11 S Gay, Baltimore, Md.
Wilson & Co., Union Stock Yards, Chicago, Ill.
**Wise L. & Bros., 36 Main, Cincinnati, O.**

## 14717— Tallow (Vegetable)

Carleton & Moffat (Imp.), 80 Maiden la, New York
Elbert & Company (Imp.), 71 Wall, New York
Hartman Bros., Inc. (Imp.), 641 Atlantic av, Boston, Mass.
Jardine, Matheson & Co. (Imp.), 2 Madison av, New York
Klipstein A. & Co., 644 Greenwich, New York
Mitsui & Co., Ltd. (Imp. Chinese), 65 B'way, New York
Paper Makers' Chemical Co., Eaton, Pa.

## 14718— Tamers (Hog)

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## 14719— Tampers (Concrete)

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Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Arrowsmith Concrete Tool Co. (With Long Handle), Arrowsmith, Ill.
Barber Asphalt Paving Co. ("Iroquois"), Land Title bldg, Philadelphia, Pa.
Bragstad Concrete Machinery Co., Inc., Canton, S. Dak.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cement Tile Machy. Co. (Power), Waterloo, Ia.
Columbus Handle & Tool Co., Columbus, Ind.
Crescent Novelty Mfg. Co. (Iron & Steel), 703 S B'way, St. Louis, Mo.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Dunn Mfg. Co., Preble av, N S, Pittsburgh, Pa.
Fate-Root-Heath Co., Plymouth, O.
Ideal Concrete Machinery Co. (Power), 1346 Monmouth av, Cincinnati, O.
**INGERSOLL-RAND CO.** ("Crown" Pneumatic), 11 B'way, New York
*See adv index at end of book*
Kramer Automatic Tamper Co. ("Kramer"), Peoria, Ill.
Kramer Bros. Foundry Co. ("Gem" Hand), Dayton, O.
Raber & Lang Mfg. Co. ("Crescent," Power), Kendallville, Ind.
Ransome Concrete Machinery Co., Dunellen, N. J.
Rock Island Mfg. Co., Rock Island, Ill.
**SOUTH BEND FOUNDRY CO.,** South Bend, Ind.
Stortz John & Son, 210 Vine, Phila., Pa.
Wagner Mfg. Co., Sidney, O.
Wapak Hollow Ware Co., Wapakoneta, O.

## 14720—Tampers (Dirt & Sod)

Brunner & Lay, 570 W Polk, Chicago, Ill.
Burr Co., Champaign, Ill.
**Channon Jas. H. Mfg. Co., 227 W Erie,** Chicago, Ill.
Dunn Mfg. Co. (For Sewer & Trench Work, etc), Preble av, N S, Pittsburgh, Pa.
Fate-Root-Heath Co., Plymouth, O.
Indiana Foundry Co., Indiana, Pa.
Ingersoll-Rand Co. ("Crown" Pneumatic), 11 B'way, New York
*See adv index at end of book*
Lourie Mfg. Co. ("Staley" Power for Trenches & Pavements), Springfield, Ill.
Modern Iron Works (Iron or Wood Handle), Quincy, Ill.
Pawling & Harnischfeger Co. (Power for Trenches), Milwaukee, Wis.
*See adv index at end of book*
Stortz John & Son, 210 Vine, Phila., Pa.
Swett A. L. Iron Works, Medina, N. Y.
Wagner Mfg. Co., Sidney, O.
Wapak Hollowware Co., Wapakoneta, O.

## 14721-2—*Tampers (Railroad Ballast)

**INGERSOLL-RAND CO.** ("Imperial," Pneumatic), 11 B'way, New York
*See adv index at end of book*

## 14723— Tank Fixtures

American Valve & Meter Co. ("Page"), Cincinnati, O.
Baltimore Cooperage Co., The (Railroad), Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Caldwell W. E. Co. (Railroad, etc.), Louisville, Ky.
**Fairbanks, Morse & Co., 900 S Wabash av,** Chicago, Ill.
Kalamazoo R'y Supply Co., Kalamazoo, Mich.
Spray Engng. Co. ("Spraco" Combination Drain & Overflow), 93, Boston, Mass.
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Tank Saddles
See Boiler Saddles

Tank Pulls
See Pulls, Closet

## 14724—Tanks (Acid Storage)

See also Stoneware, Chemical

**ACME TANK CO.** (Wood), 43 Cortlandt, New York *See adv index at end of book*
American Welding Co. (For Mixed, Nitric, Sulphuric & Carbonic Acids, etc), Carbondale, Pa.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Buckeye Boiler Co., Dayton, O.
**BUFFALO FOUNDRY & MACHINE CO,** (Cast Iron), 65 Winchester av, Buffalo, N. Y. *See adv index at end of book*
Caldwell W. E. Co. (Yellow Pine or Cypress a Specialty), Louisville, Ky.
Chemical Construction Co., Charlotte, N. C.
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
***For branch offices see adv index at end of book***
**COATESVILLE BOILER WORKS,** Coatesville, Pa.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
Corcoran A. J., Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
**DOVER BOILER WORKS,** Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Euclid Mfg. Co. ("Euclid" Stone), Paden City, W. Va.
Fabricated Steel Products Corporation, Box 505 Leetonia, O.
*See adv index at end of book*
**Finch Mfg. Co., Scranton, Pa.**
General Ceramics Co., 50 Church, New York
Gerdes & Co., 42 Church, New York
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Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
**HAMMOND IRON WORKS,** Warren, Pa.
*See adv index at end of book*
Hauser-Stander Tank Co., Cincinati, O.
Heggie James G. & Sons, Joliet, Ill.
Kittoe Boiler & Tank Co., Inc., Canton, Ohio
Knight Maurice A. (Acid Proof Stoneware), Akron, Ohio
Koven L. O. & Bro. (Wire Mill), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.


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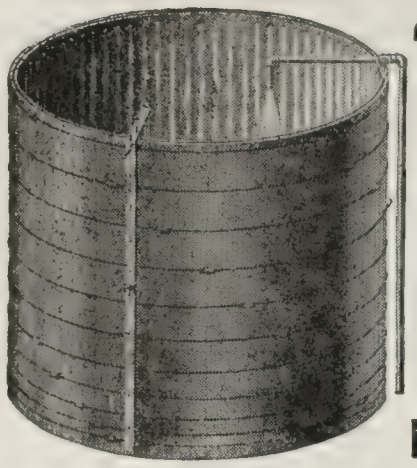

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Petroleum Iron Works Co., Sharon, Pa.
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Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
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Standard Tank Co., 15 Park row, New York
Struthers-Wells Co., Warren Pa.
Stuart & Peterson Co. (Cast Iron), Burlington, N. J.
Tippett & Wood, Phillipsburg, N. J.
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Vaughn Machinery Co., Cuyahoga, Falls, O. *See adv index at end of book*
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Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, Ohio
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wickes Boiler Co., Saginaw, Mich.

## Tanks (Agitating)

See Agitators

## 14725— Tanks (Air)

American Iron Works, Louisville, Ky.
American Welding Co. (Welded), Carbondale, Pa.
Baltimore Cooperage Co. (Air Pressure), Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
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Columbiana Boiler Co., Columbiana, O.
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Federal Pressed Steel Co., Keefe av & N Pierce, Milwaukee, Wis.
Finch Mfg. Co., Scranton, Pa.
Gerdes & Co., 42 Church, New York
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Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
Heltzel Steel Form & Iron Co., Warren, O.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
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Johnson & Thompson, Birmingham, Ala.
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Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
Murphy & Walsh, Pekin, Ill.
Muskegon Boiler Works, Muskegon, Mich.
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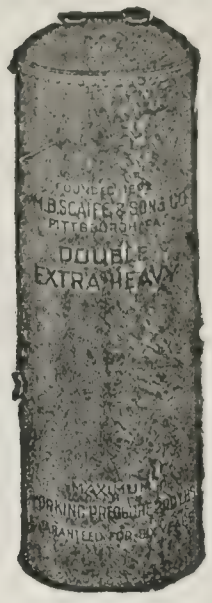


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## 14729— Tanks (Aluminum)

Aluminum Co. of America, Oliver bldg, Pittsburgh, Pa.,
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## Tanks (Asphalt Heating)

See Heaters, Asphalt

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Bushnell Tank Works, Bushnell, Ill.
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Gilbert & Barker Mfg. Co. ("Gilbert & Barker" for Gasoline Storage), Springfield, Mass.
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Harps J. A. Mfg. Co. ("Never-Fail"), Greenfield, O.
Hayes Mfg. Co., 480 Maybury, Detroit, Mich.
Heil Co., 26th & Montana av, Milwaukee, Wis.
Jackson Mfg. Co., Harrisburg, Pa.
Kells W. J. Mfg. Co., 521 W 45th, New York
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Koven L. O. & Bro. (Boat), 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**McDonald A. Y. Mfg. Co., Dubuque, Ia.**
McNamara Bros. Co., Westport, Baltimore, Md.
Martin Metal Mfg. Co., Wichita, Kansas
Meurer Steel Barrel Co., Inc. ("Anchor" Welded Seamless), 23 W 43rd, New York
Morrison Bros., Dubuque, Ia.
National Marine Lamp Co., Forestville, Conn.
Petty J. K. & Co., Stephen Girard bldg, Philadelphia, Pa.
Phoenix Iron Wks. Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Prest-O-Lite Co., Indianapolis, Ind.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Sexton Can Co. ("Sexton"), 123 Broad, Boston, Mass.
Standard Tank Co., 15 Park Row, New York
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.

## 14731—Tanks (Automobile Storage, Garage)

**BIGGS BOILER WORKS CO., Case av &** Williams, Akron, O.
*See adv index at end of book*
**HAMMOND IRON WORKS,** Warren, Pa.
*See adv index at end of book*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Western Drop Forge Co., P. O. Box 386, Marion, Ind.

## 14732—Tanks (Automobile, Water & Gasoline)

**BIGGS BOILER WORKS CO., Case av &** Williams, Akron, O
*See adv index at end of book*
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Manrow Sheet Metal Works, Goshen, Ind.
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, O.
*See adv index at end of book*
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14733—Tanks (Beet Sugar Syrup)

**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Dover Boiler Works. Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Struthers-Wells Co., Warren, Pa.
Treadwell Construction Co., Midland, Pa.

## 14734— Tanks (Bleaching)

**ACME TANK CO.** (Wood), 43 Cortlandt, New York *See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Canton Boiler & Engineering Co., Canton, O.
Corcoran A. J., Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Dover Boiler Works. Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Hunt Rodney Machine Co., Orange, Mass.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co. Inc., Canton, O.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
McNamara Brass Co., Westport, Baltimore, Md.
**Manitowoc Engineering Works, Manitowoc, Wis.**
National Tank & Pipe Co., 275 Oak st, Portland, Ore.
*See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Phoenix Iron Works Co., Meadville, Pa.
Struthers-Wells Co., Warren, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

## 14735— Tanks (Blow-Off)

Abendroth G. Irving Co., 10 E 43d, New York
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
**Codd E. J. Co., 700 S Carolina, Baltimore, Md.**
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
Cox & Sons Co., 5th & Chestnut., Phila., Pa.
**Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.**
Crook H. E. & Co. Inc., 28 Light, Baltimore, Md.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Estabrook's R. Sons ("Boston" with Clean-out Cover), 202 1st, Boston, Mass.
Fabricated Steel Products Corporation, Box 505, Leetonia, O.
*See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
Johnson & Thompson, Birmingham, Ala.
Kellogg M. W. Co. (Welded), 90 West, New York. *See adv index at end of book*
Kewanee Boiler Co., Kewanee, Ill.
Kittoe Boiler & Tank Co. (Inc.), Canton, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Kries Henry A. & Sons Co., 8 W Lombard, Baltimore, Md.
Lappen Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Phoenix Iron Wks. Co., Meadville, Pa.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Sotter Bros., Pottstown, Pa.
Southern Boiler & Tank Works, Memphis, Tenn.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, O.
Wendnagel & Co., 600 W 2nd, Chicago, Ill.
Western Pipe & Steel Co., 444 Market, San Francisco Cal.

## Tanks (Boat)

See Tanks, Car

## 14736— *Tanks (Brazed)

**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 14736a— Tanks (Brine)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
Fabricated Steel Products Corp., Box 505 Leetonia, O.
*See adv index at end of book*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
McNamara Bros. Co., Westport, Baltimore, Md.
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

## 14737— Tanks (Cachaza)

Blymyer Iron Works Co., Cincinnati, O.

## Tanks (Calcium Light)

See Cylinders, Calcium Light

## 14738—Tanks (Canners' Process)

Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Johnson & Thompson, Birmingham, Ala.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

## 14739— Tanks (Car)

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Caldwell W. E. Co., Louisville, Ky.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Columbiana Boiler Co., Columbiana, O.
**DOVER BOILER WORKS,** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Erie City Iron Works, Erie, Pa.
**FABRICATED STEEL PRODUCTS CORP.** (Steel), Box 505, Leetonia, O.
*See adv index at end of book*
General American Tank Car Corp., 111 W Monroe, Chicago, Ill.
Graver Corp. (Oil & Acid), East Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons, Joliet, Ill.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Kraft A. C., 323 W Lake, Chicago, Ill.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McNeil Boiler Co., 96 Crozier, Akron, O.
McNamara Bros. Co., Westport, Baltimore, Md.
Meehan Boiler & Construction Co., Lowellville, O
Penna. Tank Car Co., Sharon, Pa.
Petroleum Iron Works Co., Sharon, Pa.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Phoenix Iron Wks. Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pressed Steel Car Co. (Steel), 307 5th av, Pittsburgh, Pa.
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
Southern Boiler & Tank Works, Memphis, Tenn.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co. Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
Union Iron Works, Hoboken, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn
Warren City Tank & Boiler Co., Warren, Ohio
Wendnagel & Co., 600 W 22nd, Chicago, Ill.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Western Steel Car & Foundry Co. (Steel), 122 So. Michigan, Chicago, Ill.

## 14740—*Tanks (Car Lighting)

**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 14741—Tanks (Car Wheel Annealing)

**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. Y. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O.
*See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

## 14742—Tanks (Cast Iron Storage)

**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
United Iron Works, Inc., Kansas City, Mo.

## 14743— Tanks (Chemical)

**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Bethlehem Foundry & Machine Co. (Cast Iron, Evaporating, Mining, etc), South Bethlehem, Pa.
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
California Boiler Works, 526 Howard, San Francisco, Cal.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
**Codd E. J. Co., 700 S Carolina, Baltimore, Md.**
Cole R. D. Mfg. Co., Newnan, Ga.
**CORCORAN A. J., INC.,** 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.

TANKS (CHEMICAL)—continued
Dover Boiler Works, Sales Office, 40 Church, New York. Works, Dover, N. J. *See adv index at end of book*
Elyria Enameled Products Co., The, (Glass Enameled), Elyria, O.
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
**FURMAN-FISCHER CORP.**, 32 Church, New York *See adv index at end of book*
Hauser-Stander Tank Co., Cincinnati, O.
Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
Johnson & Thompson, Birmingham, Ala.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Littleford Bros., 444 E Pearl, Cincinnati, O.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Maddock John & Sons (White Vitreous or Porous Earthenware), Trenton, N. J.
Manitowoc Engineering Works, Manitowoc, Wis.
**NATIONAL TANK AND PIPE CO.**, 275 Oak st, Portland, Ore.
*See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Portland Monson Slate Co. ("Monson" Slate), Portland, Me.
*See adv index at end of book*
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Struthers-Wells Co., Warren, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
United States Stoneware Co. (Glazed Stoneware), Akron, O.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Weeks Arthur J. (Stoneware), Akron, O.

## 14744— Tanks (Coal Tar)

**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

## 14744a—Tanks (Cocoanut Oil Storage)

See also Tanks, Oil Storage
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14745—Tanks (Cold Storage)

**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*
California Boiler Works, 526 Howard, San San Francisco, Cal.
**DOVER BOILER WORKS.** Sales Office, 40 Church, New York. Works: Dover, N.J.
*See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hammond Iron Works (Steel), Warren, Pa. *See adv index at end of book*
**INGRAM-RICHARDSON MFG. CO.** (Enameled Iron), Beaver Falls, Pa.
*See adv index at end of book*
**TRAYLOR ENGNG. & MFG. CO.**, Allentown, Pa. *See adv index at end of book*
Treadwell Construction Co., Midland, Pa.

## Tanks (Compressed Air)

**See Tanks, Air Compressor**

## 14746— Tanks (Condenser)

Abendroth G. Irving Co., 10 E 43d, New York
**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y
Columbiana Boiler Co., Columbiana, O.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Frick Co., Waynesboro, Pa.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Heltzel Steel Form & Iron Co., Warren, O.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leslie Elliott & Co., Paterson, N. J.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
Petroleum Iron Works Co., Sharon, Pa.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Phoenix Iron Wks. Co., Meadville, Pa.
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Smith Samuel & Son Co., Paterson, N. J.
Standard Boiler & Plate Iron Co., Niles, Ohio
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kan.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
United Iron Works, Inc., Kansas City, Mo.
Warren City Tank & Boiler Co., Warren, O.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14747—Tanks (Congealing & Freezing)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
Brunswick Refrigerating Co., New Brunswick, N. J.
Southern Boiler & Tank Wks., Memphis, Tenn.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.

## 14748— Tanks (Copper)

American Copper & Brass Works, Cincinnati, O.
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Badger E. B. & Sons Co., 75 A Pitts, Boston, Mass. *See adv index at end of book*
Deuel Chas. C., Co., 75 Jones, Detroit, Mich.
Devine J. P. Co., Buffalo, N. Y.
**FURMAN-FISCHER CORP.**, 30 Church, New York *See adv index at end of book*
**GERDES & CO.**, 42 Church, New York
*See adv index at end of book*
Gerstein Bros. & Cooper, 3 W 3d, S Boston, Mass.
Huetteman & Cramer Co., Mack & Beaufait, Detroit, Mich.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
Krenz Oscar Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Standard Water Systems Co. ("Tripure"), Hampton, N. J.
Stokes F. J. Machine Co. (For Chemical & Metallurgical Purposes), 17th & Cambria, Phila., Pa.
Trageser John Steam Copper Works, 447 W 26th, New York
Vulcan Copper Works Co., 120 Sycamore, Cincinnati, Ohio
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Young Bros. Co., 666 Mack, Detroit, Mich.

## 14749— Tanks (Cottonseed Oil)

**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Johnson & Thompson, Birmingham, Ala.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Treadwell Construction Co., Midland, Pa.

## Tanks (Creosoting)

**See Cylinders, Creosoting**

## 14750— Tanks (Cyanide)

**See also Tanks, Wood**
Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
Caldwell W. E. Co., Louisville, Ky.
Colorado Iron Works Co. (Steel), Denver, Colo.
Columbiana Boiler Co., Columbiana, O.
Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
**FABRICATED STEEL PRODUCTS CORPORATION**, Box 505, Leetonia, O.
*See adv index at end of book*
Freeman Mfg. Co., Racine Wis.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Hassell Iron Works Co., Colorado Springs, Colo.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Moyle E. H. Engng. & Equipment Co. ("Moyle" Precipitating), 508 E 9th, Los Angeles, Cal.
**NATIONAL TANK & PIPE CO.**, 275 Oak st, Portland, Ore.
*See adv index at end of book*
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
Pacific Tank & Pipe Co. (Wooden), 318 Market, San Francisco, Cal.
Petroleum Iron Works Co., Sharon, Pa.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Redwood Mfrs. Co. (Cal. Redwood), Hobart bldg, San Francisco, Cal.
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
Rodgers Boiler & Burner Co., Muskegon, Mich.
Salt Lake Iron & Steel Co., Salt Lake City, Utah
Standard Boiler & Plate Iron Co., Niles, Ohio
Struthers-Wells Co., Warren, Pa.
**TREADWELL CONSTRUCTION CO.**, Midland, Pa. *See adv index at end of book*
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Warren City Tank & Boiler Co., Warren, Ohio
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14751— Tanks (Cylindrical)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
Atkinson W. H. Co., Hoboken, N. J.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*

**BEGGS, JAMES & CO.**, 30 Warren, New New York. *See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Blaw-Knox Co., Farmers' Bank bldg, Pittsburg, Pa.
**Bovaird & Seyfang Mfg. Co., Bradford, Pa.**
**Bowser S. F. & Co., Fort Wayne, Ind.**
Caldwell W. E. Co., Louisville, Ky.
**California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.**
**Case W. A. & Sons Mfg. Co., Buffalo, N. Y.**
Charleston Iron Works, Charleston, S. C.
**Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.**
*For branch offices see adv index at end of book*
**COAST CULVERT & FLUME CO.**, Portland (Kenton Sta.), Oregon
*See adv index at end of book*
Codd E. J. Co., 700 S Carolina, Baltimore Md.
**Cole R. D. Mfg. Co., Newman, Ga.**
Columbiana Boiler Co., Columbiana, O.
Corcoran A. J., Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
**DOVER BOILER WORKS, Sales Office: 40 Church, New York. Works: Dover. N. J.** *See adv index at end of book*
**Drake-Williams-Mount Co., Omaha, Neb.**
Fabricated Steel Products Corp., Box 505, Leetonia, O.
*See adv index at end of book*
**Gerdes & Co., 42 Church, New York**
*See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
**Hartley Boiler Works, Montgomery, Ala.**
**Hassell Iron Works Co., Colorado Springs, Colo.**
**Heggie James G. & Sons, Joliet, Ill.**
**HELTZEL STEEL FORM & IRON CO.**, Warren, O.
**Ironton Punch & Shear Co., Ironton, O.**
Johnson & Thompson, Birmingham, Ala.
**Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio**
Kraft A. C., 323 W Lake, Chicago, Ill.
**Kretchmer Mfg. Co., Council Bluffs, Ia.**
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**Lake Erie Boiler Works, Buffalo, N. Y.**
**Leetonia Boiler Co., Leetonia, O.**
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.
**Lookout Boiler Mfg. Co., Chattanooga, Tenn.**
McNamara Bros. Co., Westport, Baltimore, Md.
**McNaull Boiler Mfg. Co., Toledo, O.**
**Manitowoc Engineering Works, Manitowoc, Wis.**
Meurer Steel Barrel Co., Inc. ("Anchor" Welded Seamless), 23 W 43d, New York
**Muskegon Boiler Works, Muskegon, Mich.**
**Nashville Bridge Co., Nashville, Tenn.**
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
**Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.**
**Phoenix Iron Works Co., Meadville, Pa.**
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**Rodgers Boiler & Burner Co., Muskegon, Mich.**
**Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.**
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
**Southern Bridge Co., Birmingham, Ala.**
Springfield Boiler Co., Springfield, Ill.
**Standard Boiler & Plate Iron Co., Niles, Ohio**
**Star Tank Co., Goshen, Ind.**
**Struthers-Wells Co., Warren, Pa.**
**Tippett & Wood, Phillipsburg, N. J.**
Traylor Engng. & Mfg. Co., Allentown, Pa. *See adv index at end of book*
**Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill**
**Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.**
**United Iron Works, Inc., Kansas City, Mo.**
**Walsh & Weidner Boiler Co., Chattanooga, Tenn.**
**Warren City Tank & Boiler Co., Warren, Ohio**
**Wendnagel & Co., 600 W 22nd, Chicago, Ill.**
**Western Drop Forge Co., P. O. Box 386, Marion, Ind.**
**Western Pipe & Steel Co., 444 Market, San Francisco, Cal.**

## 14751a— Tanks (Cypress)

See also Tanks, Wood

Butler Co., Butler, Ind.
Davis G. M. & Son, Palatka, Fla.
Heller-Aller Co., Napoleon, Ohio
Stevens Tank & Tower Co., Auburn, Me.
Woods & Co., 59 Park pl, New York
Woolford G. Wood Tank Mfg. Co., 1429 nut, Phila., Pa.

## 14751b— Tanks (Developing)

**CORCORAN A. J. INC.**, (For Photographing purposes), 745 Jersey av, Jersey City, N. J. *See adv index at end of book*

## 14752— Tanks (Dipping)

Beckman Bros., Des Moines, Ia.
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
**Blanke W. F. Can & Mfg. Co., 116 Pine, St. Louis, Mo.**
**Bushnell Tank Works, Bushnell, Ill.**
Caldwell W. E. Co., Louisville, Ky.
**Columbian Steel Tank Co. (Hog, Sheep, Cattle, etc.), New England bldg, Kansas City, Mo.**
Columbiana Boiler Co., Columbiana, O.
**Connery & Co., 2d & Luzerne, Phila., Pa.**
**Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J.** *See adv index at end of book*
**EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.**
*See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
**Hubbard's Norman Sons (Safety for Furniture & Piano Makers' Metal Goods, Electric Fixtures, etc), 265 Water, Brooklyn, N. Y.**
**Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio**
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.** *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
**Kretchmer Mfg. Co., Council Bluffs, Ia.**
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
McNamara Bros. Co., Westport, Baltimore, Md.
**McNaull Boiler Mfg. Co., Toledo, O.**
**Manitowoc Engineering Works, Manitowoc, Wis.**
**Martin Metal Mfg. Co., Wichita, Kansas**
National Tank & Pipe Co., 275 Oak st, Portland, Ore.
*See adv index at end of book*
**Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.**
**New England Tank & Tower Co., 42 Main, Everett, Mass.**
*See adv index at end of book*
**Perfection Metal Products Co., Topeka, Kan.**
**Petroleum Iron Works Co., Sharon, Pa.**
**Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.**
**Phoenix Iron Works Co., Meadville, Pa.**
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
**Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.**
Scaife Wm. B. Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
**South Bend Spark Arrester Co., South Bend, Ind.**
Spokane Culvert & Tank Co., Spokane, Wash.
**Star Tank Co., Goshen, Ind.**
**Treadwell Construction Co., Midland, Pa.**
**Warren City Tank & Boiler Co., Warren, Ohio**
Warren Products Co., 265 Canal, New York *See adv index at end of book*
**Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.**
**Western Pipe & Steel Co., 444 Market, San Francisco, Cal.**

## 14753—Tanks (Electro Platers')

**ACME TANK COMPANY** (Wood), 48 Cortlandt, New York
*See adv index at end of book*
**CORCORAN A. J. INC.**, 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
Cutter & Wood Supply Co., 77 Pearl, Boston, Mass.
*See adv index at end of book*
General Ceramics Co. (Stoneware), 50 Church, New York
Sperry D. R. & Co., Batavia, Ill.
Welded Steel Barrel Corp. (Welded Steel), **Hart av & Charlevoix, Detroit, Mich.**

## 14753a—*Tanks (Enameled Storage)

Elyria Enameled Products Co., Elyria, O.
Vitreous Enameling Co., Grant av, Cleveland, O. *See adv index at end of book*

## 14754— Tanks (Evaporator)

Baeuerle & Morris, 932 N Front, Phila., Pa.
**Bethlehem Foundry & Machine Co., S Bethlehem, Pa.**
Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
**Hammond Iron Works, Warren, Pa.**
*See adv index at end of book*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Phoenix Iron Works, Meadville, Pa.
Traylor Engng. & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## 14755— Tanks (Expansion)

Andrews Heating Co. ("Andrews"), Minneapolis, Minn.
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**Case W. A. & Sons Mfg. Co., Buffalo, N. Y.**
**Cody Jos. & Sons, Peoria, Ill.**
**Columbiana Boiler Co., Columbiana, O.**
**Cox & Sons Co., 5th & Chestnut, Phila., Pa.**
**Cullen Co., Clinton, Ia.**
Devine J. P. Co., Buffalo, N. Y.
**Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J.** *See adv index at end of book*
**Drake-Williams-Mount Co., Omaha, Neb**
**Eastern Range Boiler & Welding Co. (Rivetless), Conshohocken, Pa.**
Fabricated Steel Products Corp., Box 505, Leetonia, O.
*See adv index at end of book*
**Farrar & Trefts, Inc., Buffalo, N. Y.**
*See adv index at end of book*
**Frost Mfg. Co., Galesburg, Ill.**
Hibbs E. A., Bread & Quarry, Phila., Pa.
**Hopson & Chapin Mfg. Co. (Cast Iron Automatic Feed), New London, Conn.**
**Horigan Supply Co., St. Joseph, Mo.**
**Koven L. O. & Bro. (And Anti-Expansion), 154 Ogden av, Jersey City, N. J.**
*See adv index at end of book*
**Lawler Regulator Co. ("Lawler's" Automatic), 55 W Houston, New York**
McNamara Bros. Co., Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
Manitowoc Engineering Works, Manitowoc, Wis.
**Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.**
**Mott J. L. Iron Works, Trenton, N. J.**
**Murray Iron Works Co., Burlington, Ia.**
New York Central Iron Wks. Co. Inc., Hagerstown, Md.
**Page Wm. H. Boiler Co., 141 W. 36th, New York**
**Penna. Range Boiler Co., 2024 N 10th, Phila., Pa.**
**Petty J. K. & Co., Stephen Girard bldg, Phila, Pa.**
**Pressed Steel Tank Co., 58th & Greenfield av, Milwaukee, Wis.**
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
**Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.**
**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

TANKS (EXPANSION)—continued
Springfield Boiler Co., Springfield, Ill.
Struthers-Wells Co., Warren, Pa.
Thompson Iron Works, 1825 Callowhill, Phila., Pa.
Trageser John Steam Copper Works, 477 W 26th, New York
Treadwell Construction Co., Midland, Pa.
Tudor Boiler Mfg. Co., 715 3d, Cincinnati, O. G
Walker & Pratt Mfg. Co. (Galvanized Steel), 31 Union, Boston, Mass.
Warren City Tank & Boiler Co., Warren, O.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wolff Mfg. Co., 255 N Hayne av, Chicago, Ill.
Wood John Mfg. Co. (Electric Welded Seamless), Conshohocken, Pa.

## 14756— Tanks (Faucet)

Chapin R. E. Mfg. Works (Galvanized), Batavia, N. Y.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg., Kansas City, Mo.
Meurer Steel Barrel Co., Inc. ("Anchor" Welded Seamless), 23 W 43rd, New York
Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.
Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*
St. Louis Metalware Co. (& Oil), 2507 N B'way, St. Louis, Mo.
Sexton Can Co., 123 Broad, Boston, Mass.

## 14757— Tanks (Filter)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
American Water Softener Co., 10th & Chestnut, Phila., Pa.
Baltimore Cooperage Co. (Wooden), Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
**Bowser S. F. & Co., Ft. Wayne, Ind.**
Caldwell W. E. Co., Louisville, Ky.
Columbiana Boiler Co., Columbiana, O.
Corcoran A. J., Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
**DOVER BOILER WORKS,** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Drake-Williams-Mount Co., Omaha, Neb.
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, O.
*See adv index at end of book*
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Frick Co., Waynesboro, Pa.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Kittoe Boiler & Tank Co., Inc, Canton, O.
Koven L. O. & Bro, 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNeil Boiler Co., 96 Crozier, Akron, O.
Manitowoc Engineering Works, Manitowoc, Wis.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
National Tank & Pipe Co., 275 Oak st, Portland, Ore.
*See adv index at end of book*
New York Central Iron Wks. Co., Inc., Hagerstown, Md.
Petroleum Iron Works Co., Sharon, Pa.
Phoenix Iron Works Co., Meadville, Pa.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
Richmond Water Softener Co., Richmond, Ind.
Ruemmeli-Dawley Mfg. Co., 3900 Chonteau av, St. Louis, Mo.
**SCAIFE WM. B. & SONS,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
***See adv index at end of book***
Sotter Bros., Pottstown, Pa.
Standard Boiler & Plate Iron Co., Niles, O.
Struther-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kans.
Treadwell Construction Co., Midland, Pa.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, O.
Wendnagel & Co., 600 W 22nd, Chicago, Ill.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14758—Tanks (Fire Extinguisher)

**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Childs O. J. Co., Utica, N. Y.
Columbiana Boiler Co., Columbiana, O.
Fabricated Steel Products Corp., Box 505, Leetonia, O.
*See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
McNamara Bros. Co., Westport, Baltimore, Md.
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pressed Steel Tank Co., 58th & Greenfield av, Milwaukee, Wis.
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
Rex-Harris Fire Appliance Co., 310 W 39th, New York
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
***See adv index at end of book***
Treadwell Construction Co., Midland, Pa.
Wendnagel & Co., 600 W 22nd, Chicago, Ill.

## 14759— Tanks (Fire Pail)

Hayward S. F. & Co., 250 W 54th, New York
Rochester Can Co. ("Iron Horse" Galvanized), Rochester, N. Y.
*See adv index at end of book*
Rowe A. C. & Son, 33 Reade, New York
**SAFETY FIRE EXTINGUISHER CO.** (Safety), 295 7th av, New York
*See adv index at end of book*
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), ("Corco"), Wheeling, W. Va.

## 14760— Tanks (Flush)

Excel Mfg. Co. (Syphons for Sewage & Water), Pottersville, N. J.
McNamara Bros. Co., Westport, Baltimore, Md.
Merritt Hydraulics Co. ("Merritt," Water Saving for Sewers), 110 N Broad, Phila., Pa.
Pacific Flush Tank Co. ("Miller" Automatic Siphon for Flushing Sewers), 4241 Ravenswood av, Chicago, Ill.
**Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.**
Stary Frank & Sons (Automatic Syphons), Cedar Rapids, Ia.
Union Metal Works, Chelsea, Mass.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Wise J. B., Inc., Watertown, N. Y.

## 14761— Tanks (Fuel Oil)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
Atkinson W. H. Co., Hoboken, N. J.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Buckeye Boiler Co., Dayton, O.
Butler Mfg. Co., Kansas City, Mo.
Caldwell W. E. Co., Louisville, Ky.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg., Chicago, Ill.
***For branch offices see adv index at end of book***
Coast Culvert & Flume Co., Portland (Kenton Sta.), Oregon
*See adv index at end of book*
Coatesville Boiler Works, Coatesville, Pa.
Codd E. J. Co., 700 S Carolina, Baltimore, Md.
Columbiana Boiler Co., Columbiana, O.


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Freeman Mfg. Co., Racine, Wis.
Gerdes & Co., 42 Church, New York *See adv index at end of book*
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Graver Corp., East Chicago, Ind. *See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Hammond Iron Works (Storage), Warren, Pa. *See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Johnson & Thompson, Birmingham, Ala.
Kittoe Boiler & Tank Co. (Inc.), Canton, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
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Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lappan Jas Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Lindsay W. W. & Co., Inc., Harrison bldg, Phila., Pa.
Littleford Bros., 444 E Pearl, Cincinnati, O.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
McNeil Boiler Co., 96 Crozier, Akron, O.
MacLeod Co., 2227 Bogen, Cincinnati, O. *See adv index at end of book*
Manitowoc Engineering Works, Monitowoc, Wis.
Martin Metal Mfg. Co., Wichita, Kans.
Mertz John Mfg. Co., Sandusky, O.
Mobile Steel Co., Mobile, Ala.
**NATIONAL TANK AND PIPE CO.,** 275 Oak st, Portland, Ore. *See adv index at end of book*
Perfection Metal Products Co., Topeka, Kan.
Petroleum Iron Works Co., Sharon, Pa.
Petty J. K. & Co., Stephen Girard bldg., Phila, Pa.
Phoenix Iron Wks. Co., Meadville, Pa.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Reeves Bros. Co. (The), Alliance, O. *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York *See adv index at end of book*
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
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Spokane Culvert & Tank Co., Spokane, Wash.
Star Tank Co. (Gal'd), Goshen, Ind.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Toledo Metal Manufacturers Co., Michigan, Toledo, O. *See adv index at end of book*
Topeka Steam Boiler Works, Topeka, Kans.
Traylor Engng. & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Union Iron Works, Hoboken, N. J.
United Iron Works, Inc., Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, O.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Pipe & Steel Co., 444 Market, San Francsico, Cal.

## 14762—Tanks (Galvanized Steel)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
Aermotor Co., 2500 W 12th, Chicago, Ill.
Alamo Iron Works, San Antonio, Tex.
**AMERICAN CAN CO.,** 120 Broadway, New York *See adv index at end of book*
Appleton Mfg. Co., Batavia, Ill.
Badger Steel Roofing Corrugating Co., La Crosse, Wis.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md. *See adv index at end of book*
Barnes & Nuss Co., Frand Forks, N. D.
Beckman Bros., Des Moines, Ia.
Bowser S. F. & Co., Fort Wayne, Ind.
Buch's A. Sons Co., Elizabethtown, Pa.
Bushnell Tank Works (Stock & Storage), Bushnell, Ill.
Butler Co., Butler, Ind.
Butler Mfg. Co., Kansas City, Mo.
Caldwell W. E. Co., Louisville, Ky.
California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Celina Mfg. Co., Celina, O.
Challenge Co., Batavia, Ill.
Chicago Steel Tank Co., Cicero, Ill.
Clark W. J. Co., Salem, O.
Clippinger A. B. & Son Mfg. Co., Kansas City, Kans.
Coast Culvert & Flume Co., Portland (Kenton Sta.), Oreg. *See adv index at end of book*
Columbian Steel Tank Co., New England bldg., Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Consolidated Sheet Metal Wks., 661 Hubbard, Milwaukee, Wis.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Dempster Mill Mfg. Co., Beatrice, Neb.
Detroit Range Boiler & Steel Barrel Co., 619 24th, Detroit, Mich.
Duluth Corrugating & Roofing Co., Duluth, Minn.
Duplex Mfg. Co., Superior, Wis.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, O. *See adv index at end of book*
**Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.**
Ferguson Mfg. Co., Dubuque, Ia.
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Franklin Galvanized Ware Mfg. Co., Franklin, Ind.
Freeland B. F. Sons Co., Sturgis, Mich.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Gehl Bros. Mfg. Co., West Bend, Wis.
Glor Bros. & Willis Mfg. Co., Attica, N. Y.
Graver Corp., East Chicago, Ind. *See adv index at end of book*
Greenville Mfg. Co., Greenville, O.
G. & D. Mfg. Co., Streator, Ill.
Harry Bros. Co. ("Harry's," Corrugated & "K-D" Galvanized Iron), Carr & I. C. R. R., New Orleans, La.
Harry Bros. Co. (Corrugated), Dallas, Tex.
Harry O. K. Steel Co., 2333-35 Papin, St. Louis, Mo.
Harry O. K. Steel Works (Corrugated Stock, Storage, Railroads, Grain. Wagon, etc), Dallas, Texas
Hawkeye Pump Co., Fairfield, Ia.
Heller-Aller Co., Napoleon, O.
Heltzel Steel Form & Iron Co., Warren, O.
Hunt & Dorman Mfg. Co. (Iron Storage), 1600 E 24th, Cleveland, O.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kelly Foundry & Machine Co., Goshen, Ind.
Kewanee Boiler Co., Kewanee, Ill.
**KOVEN L. O. & BRO.,** 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
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Kretchmer Mfg. Co., Council Bluffs, Ia.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lansing Silo Co., Lansing, Mich.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Martin Metal Mfg. Co., Wichita, Kans.
Messenger & Parks Mfg. Co. (Storage, Watering, etc), Aurora, Ill.
Meurer Steel Barrel Co., Inc. (Welded Seamless), 23 W 43rd, New York
Miller & Hoy Mfg. Co., Kendallville, Ind.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Mobile Steel Co., Mobile, Ala.
Morrison Bros., Dubuque, Ia.
Muenzenmayer J. J. & W. F. (Iron Stock), Junction City, Kan.
National Boiler & Sheet Iron Works, Indianapolis, Ind.
Nebraska & Iowa Steel Tank Co., Omaha, Neb.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
New York Central Iron Wks. Co., Inc., Hagerstown, Md.
Niles Steel Tank Co., Niles, Mich.
North Dakota Metal Culvert Co., Fargo, N. D.
Northfield Iron Co., Northfield, Minn.
Oakes & Burger Co., Cattaraugus, N. Y.
Ohio Galvanizing & Mfg. Co. (Steel), Niles, Ohio
Penna. Furnace & Stove Co., Warren, Pa.
Perfection Metal Products Co., Topeka, Kans.
Perkins Wind Mill Co., Mishawaka, Ind.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Phillips & Buttorff Mfg. Co. (Iron), Nashville, Tenn.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Pioneer Mfg. Co., Middlebury, Ind.
Red King Co., Wauseon, O.
Richmond Water Softener Co., Richmond, Ind.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.
St. Paul Roofing Cornice & Ornament Co., St. Paul, Minn.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Sexton Can Co., 123 Broad, Boston, Mass.
South Bend Spark Arrester Co., South Bend Ind.
Spokane Culvert & Tank Co., Spokane, Wash.
Star Tank Co., Goshen, Ind.
Tokheim John J., Cedar Rapids, Ia.
Trachte Bros. Co., Madison, Wis.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Vernier Mfg. Co., Cedar Rapids, Ia.
Warren City Tank & Boiler Co., Warren, Ohio
Waterloo Mfg. Co. (Stock, Storage, Creamery, etc), Waterloo, Ia.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Woodmanse Mfg. Co., Freeport, Ill.

## 14762a—Tanks (Galvanizing)

Coatsville Boiler Works, 30 Church, New York
Corcoran A. J., Inc. (Wood), 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
General Ceramics Co., 50 Church, New York
Knight Maurice A., Akron, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
**NEW ENGLAND TANK & TOWER CO.,** 42 Main, Everett, Mass. *See adv index at end of book*
Tippett & Wood, Phillipsburg, N. J.

## 14763—Tanks (Garbage Wagon, Steel)

McDermott Bros. Co., Allentown, Pa.
Spokane Culvert & Tank Co., Spokane, Wash.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14763a— Tanks (Gas)

Amer Steel Pipe & Tank Co. (Corrugated), 608 S Main, Los Angeles, Cal.
Biggs Boiler Works Co., Case av & Williams, Akron, O.
Consolidated Pipe Co., 2440 E 9th, Los Angeles, Cal. *See adv index at end of book*

TANKS (GAS)—continued

**FABRICATED STEEL PRODUCTS CORP.**, Box 505, Leetonia, Ohio
*See adv index at end of book*

Graver Corp., East Chicago, Ill.
*See adv index at end of book*

Improved Appliance Co., 413 Kent av, B'klyn, N. Y.

McNamara Bros. Co., Westport, Baltimore, Md.

**WESTERN GAS CONSTRUCTION CO.**, Fort Wayne, Ind.

## 14764—Tanks (Gas Engine Cooling)

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*

Bovaird & Seyfang Mfg. Co., Bradford, Pa.

Bushnell Tank Works, Bushnell, Ill.

Case W. A. & Sons Mfg. Co., Buffalo, N. Y.

Columbiana Boiler Co., Columbiana, O.

Kraft A. C., 323 W Lake, Chicago, Ill.

Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.

New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*

Rodgers Boiler & Burner Co., Muskegon, Mich.

Roseland Can & Specialty Co., Rockford, Ill.

Ruemmell-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.

**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

Sexton Can Co., 123 Broad, Boston, Mass.

Struthers-Wells Co., Warren, Pa.

Warren City Tank & Boiler Co., Warren, O.

Western Drop Forge Co., P. O. Box 386, Marion, Ind.

## 14765-6— Tanks (Gasoline)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*

Air Tight Steel Tank Co. (Storage for Motor Cars, etc,) Mansion & B. & O. R. R., Pittsburgh, Pa.

**AMERICAN CAN CO. (Underground Storage), 120 Broadway, New York**
*See adv index at end of book*

American Iron Works, Louisville, Ky.

American Oil Pump & Tank Co. (Underground Storage), Findlay & Dalton, Cincinnati, O.

Atkinson W. H. Co., Hoboken, N. J.

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill.
*See adv index at end of book*

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*

Beatrice Steel Tank Mfg. Co. ("Nu-way"), Beatrice, Neb.

Beman Automatic Oil Can Co., Ltd., Box 375, Meadville, Pa.

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*

Bovaird & Seyfang Mfg. Co., Bradford, Pa.

Bowser S. F. & Co. (Self-Measuring), Fort Wayne, Ind.

Buckeye Boiler Co. (Underground Storage), Dayton, O.

Burton W. J. Co. (Automobile), Junction & Federal, Detroit, Mich.

Bushnell Tank Works, Bushnell, Ill.

Butler Mfg. Co., Kansas City, Mo.

Caldwell W. E. Co., Louisville, Ky.

Case J. I. Threshing Machine Co. (Portable), Racine, Wis.

Clayton & Lambert Mfg. Co. (Automobile), 1370 Beaubien, Detroit, Mich.

Climax Machine & Burner Co. ("Imperial" Storage for Garage), 133 3rd av, Newark, N. J.

Coatesville Boiler Works, Coatesville, Pa.

Codd E. J. Co., 700 So. Caroline, Baltimore, Md.

Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City, Mo.

Columbiana Boiler Co., Columbiana, O.

Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.

Detroit Range Boiler & Steel Barrel Co. (Galvanized), 619 24th, Detroit, Mich.

**DOVER BOILER WORKS**, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*

**FABRICATED STEEL PRODUCTS CORPORATION**, Box 505 Leetonia, O.
*See adv index at end of book*

Franklin Galvanized Ware Mfg. Co. (Galvanized), Franklin, Ind.

Gilbert & Barker Mfg. Co. ("Gilbert & Barker" Underground Storage), Springfield, Mass.

Graver Corp., East Chicago, Ind.
*See adv index at end of book*

Gunning Boiler & Machine Co., New Bedford, Mass.

**Hamburg Boiler Works (Storage), Hamburg, Pa.**

Heil Co., 26th & Montana av, Milwaukee, Wis.

Inglis Mfg. Co., 283 5th av, Milwaukee, Wis.

International Boiler Works Co., East Stroudsburg, Pa.

Johnson & Thompson, Birmingham, Ala.

Kellogg W. M. Co. (Welded), 90 West, New York *See adv index at end of book*

Kelly Foundry & Machine Co., Goshen, Ind.

Kewanee Private Utilities Co. (Storage), Kewanee, Ill.

Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cinn., O.

Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

Kraft A. C. ("Number Ten"), 323 W Lake, Chicago, Ill.

Kretchmer Mfg. Co., Council Bluffs, Ia.

Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.

Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.

Leader Iron Works, Decatur, Ill.

McNamara Bros. Co., Westport, Baltimore, Md.

Martin Metal Mfg. Co., Wichita, Kan.

Mertz John Mfg. Co., Sandusky, O.

Meurer Steel Barrel Co., Inc. ("Anchor" Welded Seamless), 23 W 43rd, New York

Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.

Mobile Steel Co., Mobile, Ala.

Morrison Bros., Dubuque, Ia.

National Enameling & Stamping Co. (Underground Storage), 1901 Light, Baltimore, Md.

Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.

New York Central Iron Wks. Co., Inc., Hagerstown, Md.

Petroleum Iron Works Co., Sharon, Pa

Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.

Phoenix Iron Wks. Co., Meadville, Pa.

Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*

Pressed Steel Tank Co., 58th & Greenfield av, Milwaukee, Wis.

Produce Supply Co., Franklin, Pa.

Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*

Rochester Can Co. ("Iron Horse" Galvanized Ironwith Lock Faucet), Rochester, N. Y. *See adv index at end of book*

Rodgers Boiler & Burner Co., Muskegon, Mich.

Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av. St. Louis, Mo.

St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.

**SCAIFE WM. B. & SONS CO.** (Storage, Launch, Underground, etc), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*

South Bend Spark Arrester Co. (Galvanized), South Bend, Ind.

Spokane Culvert & Tank Co., Spokane, Wash.

Standard Tank Co., 15 Park Row, New York

Star Tank Co. (Galv.), Goshen, Ind.

Tippett & Wood, Phillipsburg, N. J.

Tirrill Gas Machine Lighting Co., 103 Park av, New York

Tokheim John J. Co., Cedar Rapids, Ia.

Treadwell Construction Co., Midland, Pa.

Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.

Walsh & Weidner Boiler Co., Chattanooga, Tenn.

Warren City Tank & Boiler Co., Warren, O.

Wayne Oil Tank & Pump Co., Fort Wayne, Ind.

Western Drop Forge Co., P. O. Box 386, Marion, Ind.

Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

Wilson F. Cortez Co., 159 W Lake, Chicago, Ill.

Wood John Mfg. Co. (Electric Welded), Conshohocken, Pa.

## Tanks (Glass Enameled Steel)

See Tanks, Steel, Glass Enameled

## Tanks (Grain Elevator)

See Tanks, Grain Storage

## 14767—Tanks (Grain Storage)

Baltimore Cooperage Co., Ostend & Leadenholl, Baltimore, Md.
*See adv index at end of book*

Bethlehem Fabricators, Inc., Bethlehem, Pa.

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*

Blaw-Knox Co., Freeport rd, Hoboken, Pa.

Bros. Wm. Boiler & Mfg. Co., Nic Island, Minneapolis, Minn.

Bushnell Tank Works, Bushnell, Ill.

Caldwell W. E. Co., Louisville, Ky.

California Corrugated Culvert Co. ("Calco"), Los Angeles & Berkeley, Cal.

**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg., Chicago, Ill.
*For branch offices see adv index at end of book*

Columbiana Boiler Co., Columbiana, O.

Craine Silo, Inc., Norwich, N. Y.

Dickey W. S. Clay Mfg. Co. (Glazed Hollow Tile), Kansas City, Mo., Mocomb, Ill., & Chattanooga, Tenn.

**DOVER-BOILER WORKS,** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*

Fabricated Steel Products Corp., Box 505 Leetonia, O.
*See adv index at end of book*

Fouts C. C. Co. ("Duro"), 650 Woodlawn av, Middletown, Ohio

Freeman Mfg. Co., Racine, Wis.

Graver Corp., (& Grain Elevator), East Chicago, Ind.
*See adv index at end of book*

**HAMMOND IRON WORKS, Warren, Pa.**
*See adv index at end of book*

Harry Bros. Co. ("Harry's," Corrugated Galvanized Iron), Carr av & I. C. R. R., New Orleans, La.

Heggie James G. & Sons, Joliet, Ill.

Johnson & Barry Steel Co., Birmingham, Ala.

Johnson & Thompson, Birmingham, Ala.

Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio

Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

Kretchmer Mfg. Co., Council Bluffs, Ia.

Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.

Lakeside Bridge & Steel Co., North Milwaukee, Wis. *See adv index at end of book*

Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.

Littleford Bros., 444 E Pearl, Cincinnati, Ohio

McDermott Bros. Co., Allentown, Pa.

McNamara Bros. Co., Westport, Baltimore, Md.

McNaull Boiler Mfg. Co., Toledo, O.

McNeil Boiler Co., 96 Crozier, Akron, O.

Manitowoc Engineering Works, Manitowoc, Wis.

Martin Metal Mfg. Co., Wichita, Kan.

Michelmann Steel Construction Co., Quincy, Ill.

Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.

Mobile Steel Co., Mobile, Ala.

National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*

Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.

Northfield Iron Co., Northfield, Minn.

Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.

Phoenix Iron Works Co., Meadville, Pa.

**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*

Pollock Wm. B. Co., Youngstown, O.

Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.

Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.

St. Paul Roofing, Cornice & Ornament Co. (Galvanized Steel), St. Paul, Minn.

Southern Boiler & Tank Works, Memphis, Tenn.

Spokane Culvert & Tank Co., Spokane, Wash.
Standard Boiler & Plate Iron Co., Niles, Ohio
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kans.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
**Tulsa Boiler & Machy. Co., Tulsa, Okla.**
United Iron Works, Inc., Kansas City, Mo.
Walsh & Widener Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, Ohio
**Western Drop Forge Co., P. O. Box 386, Marion, Ind.**
**Western Iron & Foundry Co., Wichita, Kansas**
Western Pipe & Steel Co., **444 Market, San Francisco, Cal.**
Wiederholdt Construction Co. ("Wiederholdt" System Reinforced Tile & Concrete), **Old Bank of Commerce, St. Louis, Mo.**

## 14767a—Tanks (Gravity & Pressure Automatic Sprinkler System)

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
**CORCORAN A. J. INC.,** 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
**FABRICATED STEEL PRODUCTS CORP.,** Box 505, Leetonia, Ohio
***See adv index at end of book***
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14768—Tanks (Hard Rubber)

**American Hard Rubber Co. (For Chemical Plants, etc), 9 Mercer, New York**

## Tanks (High Pressure)

**See Tanks, Pressure**

## 14769— *Tanks (Hot Air)

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
***See adv index at end of book***

## Tanks (Hot Water)

**See Tanks, Steel, Hot Water Storage**

## 14769a— *Tanks (Humidifier)

Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*

## Tanks (Hydrogen & Oxygen)

See Cylinders, Hydrogen & Oxygen

## 14770—Tanks (Hydro-Pneumatic)

American Welding Co., Carbonadle, Pa.
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Domestic Engine & Pump Co., Shippensburg, Pa.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons, Joliet, Ill.
International Boiler Works Co., East **Stroudsburg, Pa.**
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
**Nagle Engine & Boiler Works, Erie, Pa.**
Pennsylvania Boiler Works, Erie, Pa.
Petroleum Iron Works Co., Sharon, Pa.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
***See adv index at end of book***
Struthers-Wells Co., Warren, Pa.
Toledo Metal Manufacturers Co., **Michigan, Toledo, O.**
*See adv index at end of book*

## Tanks (Ice)

**See Ice Tanks & Pans**

## 14771—Tanks (Indurated Fibre)

**Fibre Corporation, Lockport, N. Y.**

## Tanks (Iron)

**See Tanks, Steel**

## 14772— Tanks (Jacketed)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Buffalo Foundry & Machine Co., **65 Winchester av, Buffalo, N. Y.**
***See adv index at end of book***
Dover Boiler Works, Sales Office, 40 Church, New York. Works: **Dover,** N. J. *See adv index at end of book*
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, O.
*See adv index at end of book*
Furman-Fisher Corp., 32 Church, New York
**GERDES & CO.,** 42 Church, New York
***See adv index at end of book***
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Koven L. O. & Bro., **154 Ogden av, Jersey City, N. J.** ***See adv index at end of book***
Krenz Oscar Copper & Brass Works, 612 Bryant, San Fransisco, Cal.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Petty J. K. & Co., **Stephen Girard bldg, Phila., Pa.**
Phoenix Iron Works Co., Meadville, Pa.
**Southern Boiler & Tank Works, Memphis, Tenn.**
Struthers-Wells Co., Warren, Pa.
Treadwell Construction Co., Midland, Pa.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Drop-Forge Co., P. O. Box 386, **Marion, Ind.**

## 14773—Tanks (Knock-Down)

**ACME TANK COMPANY** (Wood), 43 Cortland, New York
*See adv index at end of book*
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Butler Mfg. Co., Kansas City, Mo.
California Corrugated Culvert Co. ("Calco"), Berkeley, Los Angles, Cal.
Codd E. J. Co., **700 So. Caroline, Baltimore, Md.**
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
Ferguson Mfg. Co., Dubuque, Ia.
Fouts C. C. Co. ("Duro"), 650 Woodlawn **av, Middletown, O.**
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Harry Bros. Co. ("Harry's," Galvanized **Iron), Carr av & I. C. R. R., New Orleans, La.**
Johnson & Thompson, Birmingham, Ala.
Kelly Foundry & Machine Co., Goshen, Ind.
Klauer Mfg. Co. (Galvanized), Dubuque, Ia.
Kretchmer Mfg. Co. (Galvanized or Steel), Council Bluffs, Ia.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Littleford Bros., 444 E Pearl, Cincinnati, O.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Martin Metal Mfg. Co., Wichita, Kans.
National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*
Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Perfection Metal Products Co., Topeka, Kans.
Phoenix Iron Works Co., Meadville, Pa.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Southern Boiler & Tank Wks., **Memphis, Tenn.**
Star Tank Co. (Galv.), Goshen, Ind.
Trachte Bros. Co., Madison, Wis.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wendnagel & Co., 600 W 22nd, Chicago, Ill.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14774— Tanks (Lead)

**Badger E. B. & Sons Co. (Also Lead Lined),** 75A Pitts, Boston, Mass.
*See adv index at end of book*
**Chadwick-Boston Lead Co., Boston, Mass.**

## 14775— Tanks (Lead or Copper Lined)

Abernethy John F., 703 Myrtle av, Brooklyn, N. Y.
Badger E. B. & Sons Co., 75A Pitts, Boston, Mass.
*See adv index at end of book*
**Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.**
**FURMAN-FISHER CORP.** (Also Tin Lined), 32 Church, New York
*See adv index at end of book*
Gerdes & Co., 42 Church, New York
***See adv index at end of book***
Hauser-Stander Tank Co. (Lead Lined), Cincinnati, O.
**NEW ENGLAND TANK & TOWER CO.** (Lead Lined), 42 Main, Everett, Mass.
***See adv index at end of book***
Wendnagel & Co., 600 W 22nd, Chicago, Ill.

## 14776—Tanks (Lighting System)

Best Light Co., 477 Second N E, Canton, O.
Carbic Mfg. Co., 301 S 55th av, Duluth, Minn.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
**Federal Pressed Steel Co., Keefe av & North Pierce, Milwaukee, Wis.**
Pressed Steel Tank Co., 58th & Greenfield av, Milwaukee, Wis.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
***See adv index at end of book***

## 14776a—*Tanks (Locomotive Service)

Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
***For branch offices see adv index at end of book***

## 14777— Tanks (Lubricating Oil Storage)

**See also Cabinets, Oil**

**AMERICAN CAN CO.,** 120 Broadway, New York *See adv index at end of book*
American Oil Pump & Tank Co. (With Self-Measuring Pump, etc), Findlay & Dalton, Cincinnati, O.
Beman Automatic Oil Can Co. ("Beman"), Meadville, Pa.
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Blanke W. F. Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Bowser S. F. & Co., Fort Wayne, Ind.
Butler Mfg. Co., Kansas City, Mo.
California Boiler Works, 526 Howard, San Fransisco, Cal.
Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Delphos Mfg. Co. (Non-Overflowing), 1st & Pierce, Delphos, O.
Drake-Williams-Mount Co., Omaha, Neb.
Eastern Oil Tank Co. (Underground, etc., Fitted With Self-Measuring Pump), Lowell, Mass.

TANKS (LUBRICATING OIL STORAGE) —continued

Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Graver Corp., East Chicago, Ind. *See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Heggie James G. & Sons, Joliet, Ill.
**Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio**
**Kraft A. C. ("Number Nine," "W. & E.," "Aztec" & "Zetroc"), 323 W Lake, Chicago, Ill.**
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Meurer Steel Barrel Co. Inc. ("Anchor" Welded Seamless), 23 W 43d, New York
**Milwaukee Tank Works ("Milwaukee," "Kant Leek"), Fratney & Becker, Milwaukee, Wis.**
**Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.**
**Ocean Shore Iron Works, 550 8th, San Francisco, Cal.** *See adv index at end of book*
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
**Pittsburgh Gage & Supply Co. ("White Star"), 30th & Liberty av, Pittsburgh, Pa.**
**Reummeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.**
St. Louis Metalware Co., 2507 N. B'way, St. Louis, Mo.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
**Sexton Can Co. ("Sexton's" Adjustable), 123 Broad, Boston, Mass.**
**Southern Boiler & Tank Works, Memphis, Tenn.**
Spokane Culvert & Tank Co., Spokane, Wash.
Star Tank Co. (Galv.), Goshen, Ind.
**Struthers-Wells Co., Warren, Pa.**
Tokheim John J. Co. (Dry Cleaners & Paint Oils), Cedar Rapids, Ia.
**Toledo Metal Manufacturers Co., Michigan, Toledo, O.** *See adv index at end of book*
Trachte Bros. Co., Madison, Wis.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turner Oil Filter Co. ("Turner"), Niles, Mich.
Vac Liquid Equipment Co., Cedar Rapids, Ia.
Wall P. Mfg. & Supply Co., 705 Preble av, Pittsburgh, Pa.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14778— Tanks (Milk)

Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
Elyria Enameled Products Co., The (Glass Enameled), Elyria, O.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.

## 14778a— Tanks (Mixing)

**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York *See adv index at end of book*
Baker's Sons J. & Perkins Co. Inc., White Plains, N. Y.
**Baltimore Cooperage Co., The (Wooden Mixing),** Ostend & Leadenhall, Baltimore, Md. *See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.** *See adv index at end of book*
Bowser S. F. & Co., Ft. Wayne, Ind.
Caldwell W. E. Co., Louisville, Ky.
**Codd E. J. Co., 700 So. Caroline, Baltimore, Md.**
**Columbiana Boiler Co., Columbiana, O**
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
**Devine J. P. Co., Buffalo, N. Y.**
Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
**FABRICATED STEEL PRODUCTS CORP.,** Box 505, Leetonia, O. *See adv index at end of book*
**FURMAN-FISHER CORP.,** 32 Church, New York *See adv index at end of book*
Gerdes & Co., 42 Church, New York *See adv index at end of book*
Graver Corp., East Chicago, Ind. *See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
**JOHNSON JOHN CO.,** 203 37th, Brooklyn, N. Y.
**Kittoe Boiler & Tank Co. (Inc.), Canton, O.**
**Koven L. O. & Bro. (Square & Deep), 154** Ogden av, Jersey City, N. J. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
Leslie Elliott & Co., Paterson, N. J.
**McDermott Bros. Co., Allentown, Pa.**
McNamara Bros. Co., Westport, Baltimore, Md.
**McNaull Boiler Mfg. Co., Toledo, O.**
Manitowoc Engineering Works, Manitowoc, Wis.
New England Tank & Tower Co., 42 Main, Everett, Mass. *See adv index at end of book*
New York Central Iron Wks. Co., Inc., Hagerstown, Md.
Phoenix Iron Works Co., Meadville, Pa.
Smith Samuel & Son Co., Paterson, N. J.
Struthers-Wells Co., Warren, Pa.
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Warren City Tank & Boiler Co., Warren, O.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14779— Tanks (Molasses)

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md. *See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.** *See adv index at end of book*
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill. *For branch offices see adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
**DOVER BOILER WORKS.** Sales Office. 40 Church, New York. Works: Dover. N. J. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
**Gerdes & Co., 42 Church, New York.** *See adv index at end of book*
Graver Corp., East Chicago, Ind. *See adv index at end of book*
**HAMMOND IRON WORKS,** Warren, Pa. *See adv index at end of book*
Harry Bros. Co. ("Harry's," Corrugated Galvanized Iron), **Carr av & L. C. R. R., New Orleans, La.**
Johnson & Thompson, Birmingham, Ala.
**Kittoe Boiler & Tank Co. (Inc.), Canton, O.**
**Kraft A. C., 323 W Lake, Chicago, Ill.**
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.**
Leslie Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, O.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
**Missouri Boiler & Sheet Iron Works, 23rd & Papin, St. Louis, Mo.**
New England Tank & Tower Co., 42 Main, Everett, Mass. *See adv index at end of book*
**Petroleum Iron Works Co., Sharon, Pa**
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
**Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.** *See adv index at end of book*
Reeves Bros. Co. (The), Alliance, O. *See adv index at end of book*
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa & 26 Cortlandt, New York *See adv index at end of book*
Smith Samuel & Son Co., Paterson, N. J.
Southern Boiler & Tank Works, Memphis, Tenn.
Standard Boiler & Plate Iron Co., Niles, O.
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Trachte Bros. Co., Madison, Wis.
Traylor Engng. & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, O.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14780—*Tanks (Molasses Heating)

**BIGGS BOILER WORKS CO., Case & Williams, Akron, O.** *See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.

## 14781—Tanks (Motor Boat)

Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Mobile Steel Co., Mobile, Ala.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*

## 14781a— *Tanks (Mounted on Wheels)

Gerdes & Co., 42 Church, New York. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass. *See adv index at end of book*

## 14782— *Tanks (Muffle)

Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*

## 14783— Tanks (Naptha)

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O** *See adv index at end of book*
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colonly bldg, Chicago, Ill. *For branch offices see adv index at end of book*
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Struthers-Wells Co., Warren, Pa.

## 14784—Tanks (Oil Storage)

See also Tanks, Lubricating Oil Storage also Tanks, Cocoanut Oil Storage
Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
American Bridge Co., 30 Church, New York
**AMERICAN CAN CO.,** 120 Broadway, New York *See adv index at end of book*
American Welding Co., Carbondale, Pa.
Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Beatrice Steel Tank Mfg. Co. ("Nu-way"), Beatrice, Neb.
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.** *See adv index at end of book*
Black Sivalls & Bryson, Bartlesville, Okla.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bowser S. F. & Co. (Paint Lpbricants), Fort Wayne, Ind.
Buckeye Boiler Co., Dayton, O.
Bushnell Tank Works (Steel & Wood), Bushnell, Ill.
Butler Mfg. Co., Kansas City, Mo.

Caldwell W. E. Co. (500 to 100,000 Gallons), Louisville, Ky.
California Boiler Works, 526 Howard, San Fransisco, Cal.
California Corrugated Culvert Co. ("Calco"), Berkeley, & Los Angeles, Cal.
Casey-Hedges Co., Chattanooga, Tenn.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Chicago Steel Tank Co., Cicero, Ill.
Coast Culvert & Flume Co., Portland (Kenton Sta.), Ore.
*See adv index at end of book*
**Codd E. J. Co., 700 So. Caroline, Baltimore, Md.**
Columbian Steel Tank Co. (Galvanized Steel), New England bldg., Kansas City, Mo.
Columbiana Boiler Co., Columbiana, O.
Connelly D. Boiler Co. ("Connelly" Oil Transportation), Ivanhoe rd and N. Y. & St. L. R. R., Cleveland, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Cruse-Kemper Co., Ambler, Pa.
Davis Welding & Mfg. Co., 1543 Queen City av, Cincinnati, O.
Deily & Fowler Mfg. Co., 39 Laurel, Phila., Pa.
Delphos Mfg. Co. (Non-Overflowing), 1st & Pierce, Delphos, O.
Dickey W. S. Mfg. Co. (Glazed), Kansas City, Mo.
**DOVER BOILER WORKS,** Sales Office: 40 Church, New York: Works: Dover, N. J. *See adv index at end of book*
Downingtown Iron Wks., East Downingtown, Pa.
Drake-Williams-Mount Co., Omaha, Neb.
Eastern Oil Tank Co., Lowell, Mass.
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, O.
*See adv index at end of book*
Farrar & Trefts, Inc., Buffalo, N. Y.
*See adv index at end of book*
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
**FURMAN-FISHER CORP.,** 32 Church, New York *See adv index at end of book*
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Gilbert & Barker Mfg. Co. ("Gilbert & Barker"), Springfield, Mass.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
**HAMMOND IRON WORKS.** Warren, Pa.
*See adv index at end of book*
Harry Bros. Co. ("Harry's," Corrugated Galvanized Iron), Carr av & I. C. R. R., New Orleans, La.
Hartley Boiler Works, Montgomery, Ala.
Hauser-Standard Tank Co. (Hot Oil), Cincinnati, O.
Heggie James G. & Sons, Joliet, Ill.
Huffman Recording Pump Co., Dayton, O.
Inglis Mfg. Co., 283 5th av., Milwaukee, Wis.
International Boiler Works Co., East Stroudsburg, Pa.
Johnson & Thompson, Birmingham, Ala.
Kellogg M. W. Co. (Welded), 90 West, New York. *See adv index at end of book*
Kewanee Boiler Co., Kewanee, Ill.
Kittoe Boiler & Tank Co. (Inc.), Canton, Ohio
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book.*
Kraft A. C., 323 W Lake, Chicago, Ill.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Lacy Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Lindsay W. W. & Co. Inc., Harrison bldg, Phila., Pa.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
Lucius Mfg. Co., Massilon, Ohio
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
McNeil Boiler Co., 96 Crozier, Akron, O.
Main Iron Works, 16th & Daggeth, San Francisco, Cal.
Manitowoc Engineering Works, Manitowoc, Wis.
Meurer Steel Barrel Co. Inc., ("Anchor" Welded Seamless), 23 W 43d, New York
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Monarch Engineering & Mfg. Co., American bldg, Baltimore, Md.
Morrison Bros., Dubuque, Ia.
Montague Pipe & Steel Co., Hobart bldg., San Francisco, Cal.
Nashville Bridge Co., Nashville, Tenn.
National Supply Co. (Fuel Oil Storage), 416 W Grand av, Chicago, Ill.
National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
New York Central Iron Wks. Co., Inc., Hagerstown, Md.
New York Oil Cabinet Co. ("Wiley"), 103 Walker, New York
Nugent Wm. W & Co., 146 W Superior, Chicago, Ill. *See adv index at end of book*
Ocean Shore Iron Wks, 550 8th, San Francisco, Cal. *See adv index at end of book*
Pacific Tank & Pipe Co. (Wood), 308 Market, San Francisco, Cal.
Parkersburg Rig & Reel Co. (Steel & Wood 65 to 2000 bbl. capacity), Parkersburg, W. Va.
Petroleum Iron Works Co., Sharon, Pa.
**Petty J. K. & Co., Stephen Girard bldg,** Phila., Pa. Works: Lebanon, Pa.
Phoenix Iron Wks. Co., Meadville, Pa.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Pollock Wm. B. Co., Youngstown, O.
Producers' Supply Co., Franklin, Pa.
Puget Sound Boiler Works, Seattle, Wash.
Redwood Manufacturer's Co. (Cal. Redwood), Hobart bldg, San Francisco, Cal.
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
Riter-Conley Co. (Steel), Oliver bldg., Pittsburgh, Pa.
Rockwell W. S. Co. (Cylindrical Style), 50 Church, New York
*See adv index at end of book*
Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Runyan Mfg. Co., Grand Rapids, Mich.
St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa. & 26 Cortlandt, New York.
*See adv index at end of book*
Schmook Harry B., Springfield, Mo.
Sexton Can Co. ("Sexton"), 123 Broad, Boston, Mass.
Shotwell Pump & Tank Co., 21 N Alabama, Indianapolis, Ind.
Southern Bridge Co., Birmingham, Ala.
Spokane Culvert & Tank Co., Spokane, Wash.
Stacey Bros. Gas Construction Co., Sta. P, Cincinnati, O.
Standard Boiler & Plate Iron Co., Niles, O.
Standard Tank Co., 115 Park row, New York
Star Tank Co. (Galvanized), Goshen, Ind.
Struthers-Wells Co., Warren, Pa.
Teachout H. E. Boiler Works, E 37th & Erie R. R., Cleveland, O.
Tippett & Wood, Phillipsburg, N. J.
Toledo Metal Manufacturers Co., Michigan, Toledo, O. *See adv index at end of book.*
Tokheim John J. Co., Cedar Rapids, Ia.
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.
Topeka Steam Boiler Works, Topeka, Kans.
Trachte Bros. Co., Madison, Wis.
Traylor Engng. & Mfg. Co., Allentown, Pa.
*See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tudor Boiler Mfg. Co., 715 E 2d, Cincinnati, O.
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
United Iron Works, Inc., Kansas City, Mo.
**VULCAN IRON WORKS, INC.,** Hudson & Essex, Jersey City, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, Ohio
Wayne Oil Tank & Pump Co., Fort Wayne, Ind.
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
Western Drop Forge Co., P. O. Box 386, Marion, Ind.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
**Worthington Pump & Machy. Corp., 115 B'way, New York**
*See adv index at end of book*

## 14785— Tanks (Oil Wagon)

Aultman & Taylor Machy. Co., Mansfield, Ohio
California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Heil Company (Welded Delivery), 26th & Montana avs, Milwaukee, Wis.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**Littleford Bros., 444 E Pearl, Cincinnati, O.**
Spokane Culvert & Tank Co., Spokane, Wash.
**Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.**
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## Tanks (Oxygen)

See Cylinders, Hydrogen & Oxegen

## 14786— *Tanks (Pickling)

Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*

## 14787—Tanks (Pneumatic Water)

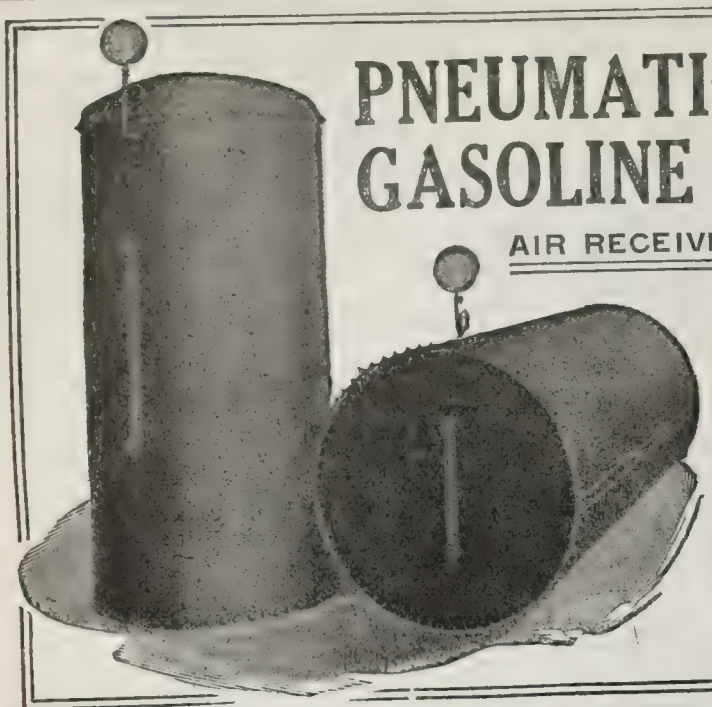
Andrews Heating Co., 2529 University av S E. Minneapolis, Minn.
**Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.**
*See adv index at end of book*
Beckman Bros., Des Moines, Ia.

**Hendricks' Commercial Register**

is a Complete Register of the manufacturers in lines of trade that come within the scope of the work.

*The concerns who advertise, or whose names are in bold face type, are those who are able and willing to do a National trade. Write to them and mention*

**Hendricks' Commercial Register**



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TANKS (PNEUMATIC WATER)—cont.

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*See adv index at end of book*

Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bremen Mfg. Co., Bremen, O.
Buckeye Boiler Co., Dayton, O.
California Boiler Works, 526 Howard, San Francisco, Cal.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.

**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*

**DOVER BOILER WORKS,** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*

**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, O.
*See adv index at end of book*

Ft. Wayne Engng. & Mfg. Co., Ft. Wayne, Ind.
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hamburg Boiler Works, Hamburg, Pa.
Hartley Boiler Works, Montgomery, Ala.
Heil Company, 26th & Montana aves, Milwaukee, Wis.
Heller-Aller Co., Napoleon, O.
Kelly Mfg. Co., Bucyrus, O.
Kewanee Private Utilities Co. ("Kewanee"), West Side, Kewanee, Ill.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, Decatur, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Michelmann Steel Construction Co., Quincy, Ill.
Milwaukee Reliance Boiler Works, 1102 32d, Milwaukee, Wis.
Missouri Boiler & Sheet Iron Works, 23d Papin, St. Louis, Mo.
Morrison Bros., Dubuque, Ia.
National Steel Tank & Mfg. Co., Bradford, Ill.
New York Central Iron Works Co., Inc., Hagerstown, Md.
Pacific Pump & Supply Co. (Jobber) 853 Folsom, San Francisco, Cal.

**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*

Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.

**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., and 26 Cortlandt, New York
*See adv index at end of book*

Tippett & Wood, Phillipsburg, N. J.
Toledo Metal Manufacturers Co., Michigan, Toledo, O. *See adv index at end of book.*
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

**WESTINGHOUSE AIR BRAKE CO., Pittsburgh, Pa.**
Whitaker-Glessner Co., Wheeling, W. Va.

## 14788—Tanks (Pressed Steel)

Federal Pressed Steel Co., Keefe av & Pierce, Milwaukee, Wis.
Heltzel Steel Form & Iron Co., Warren, O.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Nortmann-Duffke Foundry Co., 27th av, Milwaukee, Wis.
Ocean Shore Iron Works, 550 8th San Francisco, Cal.
*See adv index at end of book*
Pressed Steel Tank Co., 58th & Greenfield **av, Milwaukee, Wis.**

## 14789— Tanks (Pressure)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
A.n. Gas Mach. Co., Inc., Albert Lea, Minn.
American Welding Co. (Seamless Welded, For High Pressure), Carbondale, Pa.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Beckman Bros., Des Moines, Ia.

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*

Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Buckeye Boiler Co., Dayton, O.
Bushnell Tank Works, Bushnell, Ill.
Caldwell W. E. Co., Louisville, Ky.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.

**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*

Cole R. D. Mfg. Co., Newnan, Ga.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila, Pa.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Devine J. P. Co., Buffalo, N. Y.

**DOVER BOILER WORKS,** Sales Office, 40 Church, New York. Works: Dover **N. J.** *See adv index at end of book*

Downingtown Iron Works, East Downingtown, Pa.
Drake-Williams-Mount Co., Omaha, Neb.
East Jersey Pipe Corp., Paterson, N. J.

**ELECTROLABS CO.,** 2635 Penn. av, Phila., Pa. *See adv index at end of book*

**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, Ohio
*See adv index at end of book*

Federal Pressed Steel Co., Keefe av & North Pierce, Milwaukee, Wis.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Franklin Machine & Steam Boiler Works, 21 Franklin, Brooklyn, N. Y.
Freeman Mfg. Co., Dept. O, Racine, O.
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Greenspon's Jos. Sons Iron & Steel Co. (Second Hand), 67 Branch, St. Louis, Mo.
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Heil Company, 26th & Montana avs, Milwaukee, Wis.
International Boiler Works Co., East Stroudsburg, Pa.
Iowa Steel & Iron Works, Cedar Rapids, Iowa
Johnson & Thompson, Birmingham, Ala.
Kewanee Boiler Co., Kewanee, Ill.
Kittoe Boiler & Tank Co. (Inc.), Canton, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Kraft A. C., 323 W Lake, Chicago, Ill.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lake Erie Boiler Works, Buffalo, N. Y.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
Leader Iron Works, Decatur, Ill.
Leslie Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Lindsay W. W. & Co. Inc., Harrison bldg, Phila., Pa.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McAleenan Bros. Co., 25th & A. V. R. R., Pittsburgh, Pa.
McDermott Bros. Co., Allentown, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
Michelmann Steel Construction Co., Quincy, Ill.
Milwaukee Reliance Boiler Works, 1102 32d, Milwaukee, Wis.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Muskegon Boiler Works, Muskegon, Mich.
Nagle Engine & Boiler Works, Erie, Pa.
Nashville Bridge Co., Nashville, Tenn.
National Steel Tank & Mfg. Co., Bradford, Ill.
New York Central Iron Works Co., Inc., Hagerstown, Md.
Ocean Shore Iron Works, 550 8th, San San Francisco, Cal.
Ohio Machine & Boiler Co., 1501 University rd, Cleveland, O.
Petroleum Iron Works Co., Sharon, Pa.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Producers' Supply Co., Franklin, Pa.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Reeves Bros Co. (The), Alliance, O.
*See adv index at end of book*

Rodgers Boiler & Burner Co., Muskegon, Mich.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Rust Engineering Co., Keenan bldg, Pittsburgh, Pa.
**SCAIFE WM. B. & SONS CO., First Nat'l** Bk. bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Smith Samuel & Son Co., Paterson, N. J.
Smith Theo. & Sons Co., ft of Essex, Jersey City, N. J.
Sotter Bros., Pottstown, Pa.
Southern Boiler & Tank Works, Memphis, Tenn.
Southern Bridge Co., Birmingham, Ala.
Standard Boiler & Plate Iron Co., Niles, O.
Standard Tank Co., 15 Park Row, New York
Struthers-Wells Co., Warren, Pa.
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kans.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
**VULCAN IRON WORKS, INC.,** Hudson & Essex, Jersey City, N. J.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Warren City Tank & Boiler Co., Warren, O.
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Whitaker-Glessner Co., Wheeling, W. Va.
Wood John Mfg. Co. (Electric Welded, Conshohocken, Pa.

## 14789a— Tanks (Pulp)

**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa.
*See adv index at end of book*

## 14790—Tanks (Railroad Water)

**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Caldwell W. E. Co., Louisville, Ky.
Challenge Co., Batavia, Ill.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Cole R. D. Mfg. Co., Newnan, Ga.
Columbiana Boiler Co., Columbiana, O.
Connery & Co., 2d & Luzerne, Phila., Pa.
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
**DOVER BOILER WORKS,** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O.
*See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons, Joliet, Ill.
Heine Chimney Co., The, (Reinforced Concrete), 123 W Madison, Chicago, Ill.
Johnson & Thompson, Birmingham, Ala.
Kalamazoo Ry. Supply Co., Kalamazoo, Mich.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McNamara Bros. Co., Westport, Baltimore, Md.
**NATIONAL TANK & PIPE CO.,** 275 Oak, Portland, Ore.
*See adv index at end of book*
Petroleum Iron Works Co., Sharon, Pa.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Reeves Bros Co. (The), Alliance, O.
*See adv index at end of book*
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
**SCAIFE WM. B. & SONS CO., First National Bank bldg., Pittsburgh, Pa., & 26 Cortlandt, New York**
***See adv index at end of book***
Southern Boiler & Tank Works, Memphis, Tenn.
Tippett & Wood, Phillipsburg, N. J.
Treadwell Construction Co., Midland, Pa.
Warren City Tank & Boiler Co., Warren, Ohio
Wendnagel & Co., 600 W 22nd, Chicago, Ill.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14790a—Tanks (Rectangular)

**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
Charleston Iron Works, Charleston, S. C.
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, O.
*See adv index at end of book*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## 14790b—Tanks (Redwood)

See also Tanks (Wood)

**ACME TANK COMPANY,** 43 Cortlandt, New York *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Pacific Mfg. Co., Santa Clara, Cal.
Redwood Mfrs. Co., Hobart bldg, San Francisco, Cal.

## 14790c—Tanks (Reinforced Concrete)

Folwell-Ahlskog Co., McCormick bldg, Chicago, Ill.
Heine Chimney Co., The, 123 W Madison, Chicago, Ill.
Johnson & Thompson, Birmingham, Ala.

## 14791— Tanks (Rendering)

Allbright-Nell Co., 5315 Western av, Chicago, Ill.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Brecht Co. (For Lard, Tallow, etc), 1201 Cass av, St. Louis, Mo.
Caldwell W. E. Co., Louisville, Ky.
Cambridge Iron Works, Cambridge, Mass.
Columbiana Boiler Co., Columbiana, O.
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
**DAYTON BEATER & HOIST CO.,** Dayton, O. *See adv index at end of book*
Dover Boiler Works, Sales Offices: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Graver Wm. Tank Works, East Chicago, Ind. *See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons, Joliet, Ill.
Heller-Aller Co. (For Lard, Tallow, etc), Napoleon, O.
Kellogg M. W. Co. (Welded), 90 West, New York *See adv index at end of book*
Kittoe Boiler & Tank Co., Inc., Canton, O.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.**
Leslie Elliott & Co., Paterson, N. J.
Littleford Bros., 444 E Pearl, Cincinnati, Ohio
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McDermott Bros. Co., Allentown Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
Manitowoc Engineering Works, Manitowoc, Wis.
Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.
Ohio Body & Blower Co., 9300 Detroit av, Cleveland, O.
Petroleum Iron Works Co., Sharon, Pa.
Petty J. K. & Co., Stephen Girard bldg, Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Reeves Bros Co. (The), Alliance, O.
*See adv index at end of book*
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Smith Samuel & Son Co., Paterson, N. J.
Southern Boiler & Tank Works, Memphis, Tenn.
Standard Boiler & Plate Iron Co., Niles, Ohio
Tippett & Wood, Phillipsburg, N. J.
Topeka Steam Boiler Works, Topeka, Kans.
Treadwell Construction Co., Midland, Pa.
Treadwell M. H. Co. of Ill., 208 S La Salle, Chicago, Ill.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Union Iron Works, Hoboken, N. J.
**VULCAN IRON WORKS, INC.,** Hudson & Essex, Jersey City, N. J.
Warren City Tank & Boiler Co., Warren, O.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14791a— Tanks (Riveted)

Biggs Boiler Works Co., Case av & Williams, Akron, O.
*See adv index at end of book*
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.**
***See adv index at end of book***
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Mobile Steel Co., Mobile, Ala.
Scaife Wm. B. Sons Co., 1st Nat'l. Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14792—*Tanks (Rubber Cement)

**BIGGS BOILER WORKS CO., Case av. & Williams, Akron, O.**
***See adv index at end of book***

## 14793—Tanks (Sand Storage)

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
***For branch offices see adv index at end of book***
**DOVER BOILER WORKS,** Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14793a—*Tanks (Seamless One-Piece Glass Enameled)

Elyria Enameled Products Co., Elyria, O.

## 14794-5—Tanks (Seamless Steel)

Elyria Enameled Products Co. (Vitreous Enameled), Elyria, O.
Federal Pressed Steel Co., Keefe av & N Pierce, Milwaukee, Wis.
Janney, Steinmetz & Co., 1421 Chestnut, Phila., Pa.
Manitowoc Engineering Works, Manitowoc, Wis.
Meurer Steel Barrel Co. Inc. ("Anchor" Brand Seamless), 23 W 43d, New York
National Tube Co., Frick bldg, Pittsburgh, Pa.
Pressed Steel Tank Co. (Also Seamless Cylinders), 58th & Greenfield av, Milwaukee, Wis.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## 14796-7— Tanks (Sectional

Butler Mfg. Co., Kansas City, Mo.
California Boiler Works, 526 Howard, San Francisco, Cal.
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, Ohio
*See adv index at end of book*
Kretchmer Mfg. Co. (Iron or Steel), Council Bluffs, Ia.
Manitowoc Engineering Works, Manitowoc, Wis.
Stuart & Peterson Co. (Porcelain Lined or Plain Iron), Burlington, N. J.

## 14798—Tanks (Septic, for Sewage Disposal)

Andrews Heating Co. (Steel), Minneapolis, Minn.
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Blackmer & Post Pipe Co. (Salt Glazed Vitrified), Boatmen's Bank bldg, St. Louis, Mo.
Cameron Septic Tank Co., Monadnock blk, Chicago, Ill.
Cement Products Co., Wilmington, N. C.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.
*See adv index at end of book*
Macomb Sewer Pipe Co., Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Merritt Hydraulics Co., 110 N Broad, Phila., Pa.
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Ogden Sewer Pipe & Clay Co., Ogden, Utah
Roberts-Hamilton Co., 413 S 4th, Minneapolis, Minn.
San Antonio Sewer Pipe Works, San Antonio, Texas
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.
U. S. Sanitary Septic Tank Co., Memphis, Tenn.

## 14799—Tanks (Settling & Pulp Thickening)

**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Galigher Machinery Co. ("Callow" for Mines), Salt Lake City, Utah
Manitowoc Engineering Works, Manitowoc, Wis.
National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*

## 14800-1—Tanks (Sheep Dipping)

**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
Chicago Steel Tank Co., Cicero, Ill.
Edwards Mfg. Co., Cincinnati, O.
*See adv index at end of book*
Heltzel Steel Form & Iron Co., Warren, Ohio
Kelly Foundry & Machine Co., Goshen, Ind.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Nebraska & Iowa Steel Tank Co. (Galvanized Steel), Omaha, Neb.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Spokane Culvert & Tank Co., Spokane, Wash.
Star Tank Co. (Galvanized), Goshen, Ind.

## Tanks (Slate)

See Slate Tanks

## 14802— Tanks (Slurry)

**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Dover Boiler Works, Sales Office, 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Manitowoc Engineering Works, Manitowoc, Wis.
Reeves Bros Co. (The), Alliance, O.
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
United Iron Works Inc. (For Cement Plants for Mixing Shale, etc.), Kansas City, Mo.

## 14803-4— Tanks (Soap)

**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
Dover Boiler Works, Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
McNamara Bros. Co., Westport, Baltimore, Md.
National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Struthers-Wells Co., Warren, Pa.
Treadwell Construction Co., Midland, Pa.
Wendnagel & Co., 600 W 22nd, Chicago, Ill.

## 14805— Tanks (Sprinkler)

Acme Tank Company (Wood), 43 Cortlandt, New York
*See adv index at end of book*
American Welding Co., Carbondale, Pa.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
Challenge Co., Batavia, Ill.
Cole R. D. Mfg. Co., Newnan, Ga.
Connery & Co., 2d & Luzerne, Phila., Pa.
**CORCORAN A. J. INC.,** 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
Downingtown Iron Works, East Downingtown, Pa.
Flint & Walling Mfg. Co. ("Hoosier"), Kendallville, Ind.
Graver Corp., East Chicago, Ill.
*See adv index at end of book*
Gunning Boiler & Machine Co., New Bedford, Mass.
Hartley Boiler Works, Montgomery, Ala.
Heggie James G. & Sons, Joliet, Ill.
Kittoe Boiler & Tank Co., Inc., Canton, O.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.
McNamara Bros. Co., Westport, Baltimore, Md.
Missouri Boiler & Sheet Iron Works, 23rd & Paplin, St. Louis, Mo.
Muskegon Boiler Works, Muskegon, Mich.
Nashville Bridge Co., Nashville, Tenn.
National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Rodgers Boiler & Burner Co., Muskegon, Mich.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Courtlandt, New York
*See adv index at end of book*
Sims Co., 18th & Whitley av, Erie, Pa.
Southern Boiler & Tank Works, Memphis, Tenn.
Tudor Boiler Mfg. Co., 715 E 3d, Cincinnati, O.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wendnagel & Co., 600 W 22nd, Chicago, Ill.

## 14806— Tanks (Steel)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
Acme Boiler & Tank Co., 48th & Morgan, Chicago, Ill.
Aermotor Co. (Steel Only), 2500 W 12th, Chicago, Ill.
Air-Tight Steel Tank Co., Mansion & B. & O. R. R., Pittsburgh, Pa.
Allentown Boiler Works, Allentown, Pa.
American Bridge Co., 30 Church, New York
American Iron Works, Louisville, Ky.
American Welding Co. (Lap-Welded), Carbondale, Pa.
**ATLAS COPPER & BRASS MFG. CO.,** 2734 High, Chicago, Ill.
*See adv index at end of book*
Badger Steel Roofing & Corrugating Co., La Crosse, Wis.
Baker Iron Wks., Los Angeles, Cal.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Bartlett A. F. & Co., Saginaw, Mich.
Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Bass Foundry & Machine Co., Ft. Wayne, Ind.
Bay City Iron Co., Bay City, Mich.
Beatrice Steel Tank Mfg. Co. ("Nu-way"), Beatrice, Neb.
Beckley Perforating Co., Garwood, N. J.
**BEGGS, JAMES & CO.,** 30 Warren, New York. *See adv index at end of book*
**BIGGS BOILER WORKS CO.,** Case av & Williams, Akron, O.
*See adv index at end of book*
Birmingham Steel Corp., Birmingham, Ala.
Blaw-Knox Co., Freeport rd, Hoboken, Pa.
Blickman S., Manley & Mount, (Small), Long Island City, N. Y.
Borger Bros. Co., 257 W Spring, Columbus, O.
Bovaird & Seyfang Mfg. Co., Bradford, Pa.
Bowser S. F. & Co., Ft. Wayne, Ind.
Brennan John & Co., 24th & M. C. R. R., Detroit, Mich.
Bridgeport Boiler Works Co., Bridgeport, Conn.
Bros. Wm. Boiler & Mfg. Co., Nic Island, Minneapolis, Minn.
Brownell Co., Dayton, O.
Buckeye Boiler Co., Dayton, O.
Bushnell Tank Works, Bushnell, Ill.
Butler Mfg. Co., Kansas City, Mo.
Caldwell W. E. Co., Louisville, Ky.
California Boiler Works, 526 Howard, San Fransisco, Cal.
Cambridge Iron Works, Cambridge, Mass.
Carlls C. W. Sons, Warren & Front, Trenton, N. J.
Carroll-Porter Boiler & Tank Co., Empire bldg, Pittsburgh, Pa.
Case W. A. & Sons Mfg. Co., Buffalo, N. Y.
Casey-Hedges Co., Chattanooga, Tenn.
Cathell Bros. & Co., Lawrence & E Fort av, Baltimore, Md.
Cave Welding & Mfg. Co. (Welded to Specifications), 32 Liberty, Springfield, Mass.

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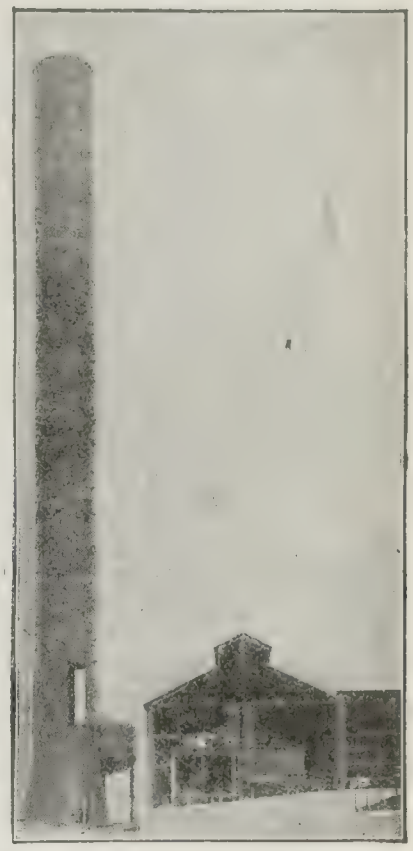

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Coast Culvert & Flume Co., Portland (Kenton Sta.), Ore.
*See adv index at end of book*
Coatesville Boiler Works, Coatesville, Pa.
Codd E. J. Co., 700 So. Caroline, Baltimore, Md.
Cole R. D Mfg. Co., Newnan, Ga.
**COLONIAL SUPPLY CO.** (also Wood), 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
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Columbiana Boiler Co., Columbiana, O.
Columbus Steam Boiler & Heater Co., Columbus, O.
Connellsville Iron Works, Connellsville, Pa.
Connery & Co., 2d & Luzerne, Phila., Pa.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Crook H. E. Co., Inc., 28 Light, Baltimore, Md.
Cruse-Kemper Co. (Oil & Water), Ambler, Pa.
Daly M. J. & Sons, Waterbury, Conn.
Davis Welding & Mfg. Co., 1543 Queen City av Cincinnati, O.
Decatur Novelty Wks., Decatur, Ill.
Deily & Fowler Mfg. Co., 39 Laurel, Phila., Pa.
Delany P. & Co., Newburgh, N. Y.
Dempster Mill Mfg. Co., Beatrice, Neb.
Devine J. P. Co., Buffalo, N. Y.
**DOVER BOILER WORKS,** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Downey T. F. Boiler Works, 323 W Austin av, Chicago, Ill.
*See adv index at end of book*
Drake-Williams-Mount Co., Omaha, Neb.
Duncan Co., 508 Water, Toledo, O.
East Jersey Pipe Corp., Paterson, N. J.
Elyria Enameled Products Co. (Plain Welded), Elyria, O.
Empire Metal Tank Wks., East Rochester, N. Y.
Engineering Co., Fort Wayne, Ind.
Erie City Iron Works, Erie, Pa.
Ervien Chas. W. & Co., Venango & G. Phila., Pa.
Etnyre E. D. & Co., Oregon, Ill.
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, Ohio
*See adv index at end of book*
Fair Haven Fdry & Mach. Co., Fair Haven, Vt.
Fargo Foundry Co., Fargo, N. D.
**FARRAR & TREFTS (INC.),** Buffalo, N. Y. *See adv index at end of book*
Felker Bros. Mfg. Co., Marshfield, Wis.
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Finnigan J. J. & Co., Atlanta, Ga.
Flint & Walling Mfg. Co., Kendallville, Ind.
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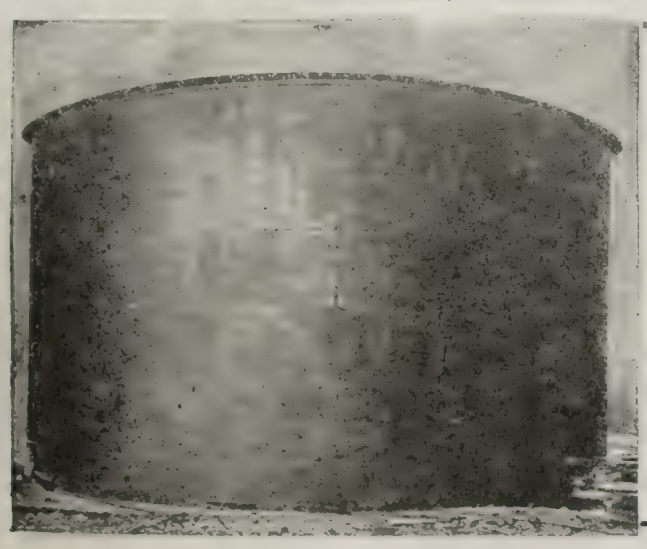

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National Tank and Pipe Co., 275 Oak, Portland, Ore.
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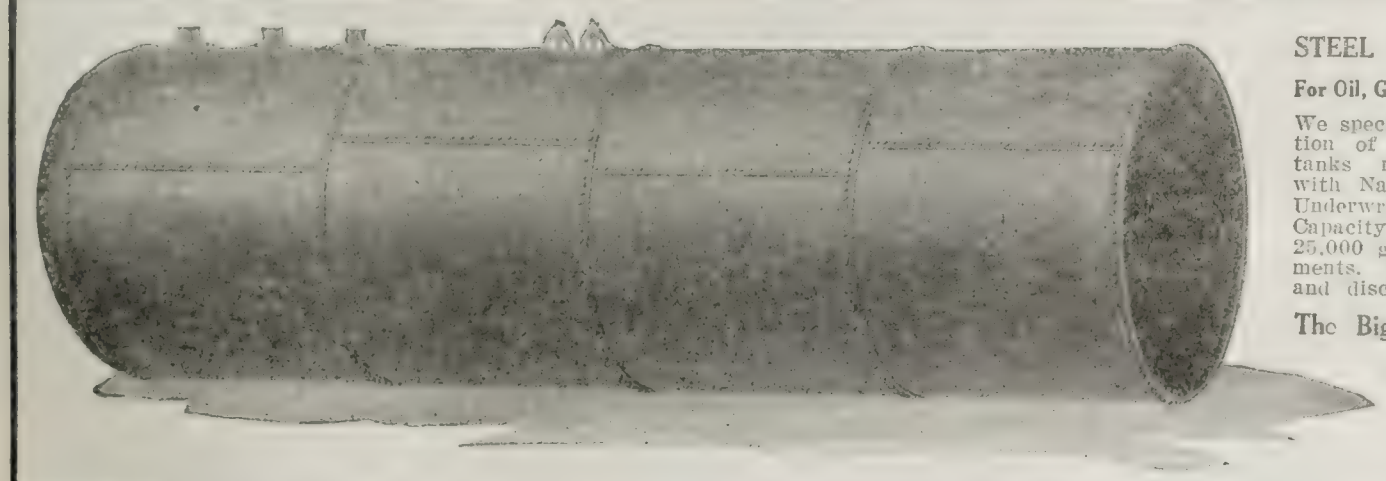

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We specialize in the construction of extra heavy storage tanks made in accordance with National Board of Fire Underwriters specifications. Capacity from 84 gallons to 25,000 gallons. Prompt shipments. Write for price lists and discount sheet.

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**New York Central Iron Works Co., Inc.,** Hagerstown, Md.
**O'Brien John Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.**
**Ohio Corrugating Co., Warren, Ohio**
Peerless Steel Co., Ardmore, Okla.
**Perfection Metal Products Co., Topeka, Kan.**
**Perkins Wind Mill Co., Mishawaka, Ind.**
Petty J. K. & Co., Stephen Girard bldg., Phila., Pa.
Phoenix Iron Works Co., Meadville, Pa.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
**Reummeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.**
Rodgers Boiler & Burner Co., Muskegon, Mich.
Rust Engineering Co., Keenan bldg, Pittsburgh, Pa.
**S. F. K. Steel Barrel Co., 7930 Jones rd,** Cleveland, O.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York
*See adv index at end of book*
Schofield's J. S. Sons Co., Macon, Ga.
Sims Co. (Steel), 18th & Whitley av, Erie, Pa.
Skinner & Arnold, Albany, N. Y.
Sotter Bros., Pottstown, Pa.
Southern Boiler & Tank Works, Memphis, Tenn.
**Southern Bridge Co., Birmingham, Ala.**
Spokane Culvert & Tank Co., Spokane, Wash.
**Star Tank Co. (Galvanized), Goshen, Ind.**
Struthers-Wells Co., Warren, Pa.
Tank Equipment Co., 501 5th av, New York
Tippett & Wood, Phillipsburg, N. J.
Tolhurst Machine Works, Troy, N. Y.
Topeka Steam Boiler Works, Topeka, Kans.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Treadwell Construction Co. (Steel), Midland, Pa.
**Treadwell M. H. Co. of Ill., 208 S La Salle,** Chicago, Ill.
Union Iron Works, Hoboken, N. J.
United Iron Works Inc., Kansas City, Mo.
Vernier Mfg. Co. (Steel) **Cedar Rapids, Ia.**
**VULCAN IRON WORKS INC.,** Hudson & Essex, Jersey City, N. J.
**Walsh & Weidner Boiler Co., Chattanooga,** Tenn.
Warren City Tank & Boiler Co., **Warren,** Ohio
Welded Steel Barrel Corp., Hart av & **Charlevoix, Detroit, Mich.**
Western Drop Forge Co., P. O. Box **386,** Marion, Ind.
Western Iron & Fdry. Co., Wichita, Kans.
**Western Pipe & Steel Co., 444 Market, San Francisco, Cal.**
Whitaker-Glessner Co., Wheeling, W. Va.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Wood John Mfg. Co. (Electric Welded), Conshohocken, Pa.

## 14811—Tanks (Sugar House)

Abendroth & Root Mfg. Co., Newburgh, N. Y. *See adv index at end of book*
**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
Atlas Engineering Co., Amherst, O.
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
California Boiler Works, 526 Howard, San Francisco, Cal.
Columbiana Boiler Co., Columbiana, O.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Graver Corp., East Chicago, Ill.
*See adv index at end of book*
Heggie James G. & Sons, Joliet, Ill.
Johnson & Thompson, Birmingham, Ala.
**Kittoe Boiler & Tank Co., Inc., Canton, O.**
McNamara Bros. Co., Westport, Baltimore, Md.
McNaull Boiler Mfg. Co., Toledo, O.
Manitowoc Engineering Works, Manitowoc, Wis.
Marinette Boiler Wks., Marinette, Wis.
Phoenix Iron Works Co., Meadville, Pa.
**Pittsburgh-Des Moines Steel Co., 4th & Ross, Pittsburgh, Pa.**
*See adv index at end of book*
**Rodgers Boiler & Burner Co., Muskegon, Mich.**
**Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.**
**SCAIFE WM. B. & SONS CO. First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York**
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.
Von Phul Gilbert D., Hibernia Bank bldg, New Orleans, La.
**Walsh & Weidner Boiler Co., Chattanooga,** Tenn.
**Warren City Tank & Boiler Co., Warren, Ohio**
**Western Pipe & Steel Co., 444 Market, San Francisco, Cal.**

## 14811a— Tanks (Surge)

Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.

## 14812— Tanks (Tanners')

**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
California Boiler Works, 526 Howard, San Francisco, Cal.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Farrar & Trefts, Inc., Buffalo, N. Y.
*See adv index at end of book*
Freeman Mfg. Co., Racine, Wis.
Kittoe Boiler & Tank Co., Canton, O.
**Kretchmer Mfg. Co. (Wood), Council Bluffs, Ia.**
McNamara Bros. Co., Westport, Baltimore, Md.
**McNaull Boiler Mfg. Co., Toledo, O.**
**Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.**
National Tank and Pipe Co., 275 Oak, Portland, Ore.
*See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
**Rodgers Boiler & Burner Co., Muskegon, Mich.**
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
**Walsh & Weidner Boiler Co., Chattanooga,** Tenn.

## 14813—Tanks (Tar, Ammonia Liquor)

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Chicago Bridge & Iron Works, 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
Dover Boiler Works. Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
Graver Corp., East Chicago, Ill.
*See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
**SCAIFE WM. B. & SONS CO.** (Tar Tanks), **First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York**
*See adv index at end of book*
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*

## Tanks (Tender)

See Tanks, Locomotive Tender

## 14814—Tanks (Thresher, Steel)

**South Bend Spark Arrester Co. (Galvanized), South Bend, Ind.**
**Star Tank Co., Goshen, Ind.**

## Tanks (Transportation)

See Tanks, Car

## 14815— Tanks (Turpentine)

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
Chicago Bridge & Iron Works, 2105 Old Colony bld, Chicago, Ill.
*For branch offices see adv index at end of book*
Graver Corp., East Chicago, Ind.
*See adv index at end of book*
Hartley Boiler Works, Montgomery, Ala.
Johnson & Thompson, Birmingham, Ala.
McNamara Bros. Co., Westport, Baltimore, Md.
Mobile Steel Co., Mobile, Ala.
Petroleum Iron Works Co., Sharon, Pa.

## 14816— Tanks (Varnish)

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
California Boiler Works, 526 Howard, San Francisco, Cal.
Corcoran A. J. Inc., 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Heil Co., 26th & Montana av, Milwaukee, Wis.
Johnson & Thompson, Birmingham, Ala.
Struthers-Wells Co., Warren, Pa.

## 14817—*Tanks (Vulcanizing)

**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
**GODFREY-KEELER CO.,** 70 Warren, New York *See adv index at end of book*

## 14818— Tanks (Wagon)

**Badger Steel Roofing & Corrugating Co., La Crosse, Wis.**
**California Corrugated Culvert Co. ("Calco" for Water), Berkeley & Los Angeles,** Cal.
Codd E. J. Co., 700 S Caroline, Baltimore, Md.
**Franklin Galvanized Ware Mfg. Co. (Galvanized Steel), Franklin, Ind.**
**Heltzel Steel Form & Iron Co., Warren,** Ohio
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lucius Mfg. Co., Massilon, O.
**Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.**
**Missouri Boiler & Sheet Iron Works, 23d & Papin, St. Louis, Mo.**
**Morrison Bros., Dubuque, Ia.**
National Tank and Pipe Co., 275 Oak, Portland, Ore.
*See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Spokane Culvert & Tank Co., Spokane, Wash.

## 14819—Tanks (Water Closet)

See also Plumbers' Woodwork

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.

American Sanitary Works ("B. O. T." B R E Mfg. Co. ("B R E" Wood), Hyde Park, Mass.
Bailey-Farrell Mfg. Co. (Steel), 3rd av & Ross, Pittsburgh, Pa.
Becker Mfg. Co., Marietta, O.
**Blairsville Sanitary Co. ("America" Enameled Iron), Blairsville, Pa.**
**Church C. F. Mfg. Co. ("White Pyralin"),** Holyoke, Mass.
**Columbus Brass Co. (All Metal), 538 Dublin av, Columbus, O.**
*See adv index at end of book*
Coyne & Delany Co. ("C. & D.," Safety, Locking Tank & Ball Cock), 832 Kent av, Brooklyn, N. Y.
**Eichman J. C. Mfg. ("Clover"), Bush &** Wicomico, Baltimore, Md.
Fleck Bros. Co. (Vitreous China), 44 N 5th, Phila., Pa.
**Galard Co. ("Omaha"), 335 6th av, Newark, N. J.**
Heap Wm & Sons, Grand Haven, Mich.
Humphryes Mfg. Co. (Porcelain Enameled Low & High Pattern), Mansfield, O.
Jensen's Factory Store, Evansville, Ind.
**Keeley Jas. J. (Sheet Iron), Jackson, Mich.**
**Koven I. O. & Bro. (Antomatic Flush), 154 Ogden av, Jersey City, N. J.**
*See adv index at end of book*
McVay-Walker Co. (Enameled Iron), Braddock, Pa.
**Miller Chas. A. Co. (Low-Down & High Tank, Wood & White Porcelain, All Steel) Sturgis, Mich.**
Mineral Products Co. ("Xyno" Stone), Rhinelander, Wis.
Monument Pottery Co. (Vitreous), Trenton, N. J.
Ramsey Andrew Co., Mt. Savage, Md.
**Sanisteel Co. ("Sanisteel"), 1200 Niagara,** Buffalo, N. Y.
**SCAIFE WM. B. & SONS CO.** (Steel), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Shwab Bros. Co., 811 E 9th, New York
Standard Sanitary Mfg. Co. (Enameled Iron), Bessemer bldg, Pittsburgh, Pa.
Teahen James M. ("Vitro"), 43 Fort W, Detroit, Mich.
**Trenton Potteries Co. ("Impervio," Vitreous China), Trenton, N. J.**
**Van Arnam Mfg. Co. ("Van-Or-Co."), Fort Wayne, Ind.**
Wallace C. D. & Co., Arrott bldg, Pittsburgh, Pa.
Wise J. B. Inc., Watertown, N. Y.
**Young Joseph H. Co. ("Boston Fore & After Wash," Automatic), 82 High, Boston, Mass.**

## 14820—Tanks (Water, Mounted on Wheels)

Acme Road Machinery Co. (For Steam Rollermen & Others), Frankfort, N. Y.
Appleton Mfg. Co., Batavia, Ill.
Aultman & Taylor Machinery Co., Mansfield, O.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
Case J. I. Threshing Machine Co., Racine, Wis.
**Gerdes & Co., 42 Church, New York.**
*See adv index at end of book*
Huber Mfg. Co., Marion, O.
Kelly Foundry & Machine Co., Goshen, Ind.
**Koven L. O. & Bro. 154 Ogden av, Jersey City, N. J.** *See adv index at end of book.*
Kretchmer Mfg. Co., Council Bluffs, Ia.
Nichols & Shepard Co. (Wood & Steel), Battle Creek, Mich.
Perkins Wind Mill Co., Mishawaka, Ind.
**Rumely Leo Tractor Co., La Porte, Ind.**
Sotter Bros., Pottstown, Pa.
Spokane Culvert & Tank Co., Spokane, Wash.
Swayne, Robinson & Co., Richmond, Ind.

## 14821—Tank (Water Storage)

**ACME TANK COMPANY** (Wood), 43 Cortlandt, New York
*See adv index at end of book*
**AMERICAN CREOSOTING CO.** (Creosoted), Bogalusa, La.
*For branch offices see adv index at end of book*
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**BIGGS BOILER WORKS CO., Case av & Williams, Akron, O.**
*See adv index at end of book*
California Boiler Works, 526 Howard, San Francisco, Cal.
Cal. Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, O.
*See adv index at end of book.*
Gunning Boiler & Machine Co., New Bedford, Mass.
Hammond Iron Works, Warren, Pa.
*See adv index at end of book*
Johnson & Thompson, Birmingham, Ala.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**Mertz John Mfg. Co., Sandusky, O.**
Mobile Steel Co., Mobile, Ala.
Montague Pipe & Steel Co., Hobart bldg, San Francisco, Cal.
**NATIONAL TANK AND PIPE CO.,** 275 Oak st, Portland, Ore.
*See adv index at end of book*
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York**
***See adv index at end of book***
Spokane Culvert & Tank Co., Spokane, Wash.
Stacey Bros. Gas Construction Co., Sta. P, Cincinnati, O.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## 14822— Tanks (Welded)

**AMERICAN SPIRAL PIPE WORKS, Chicago., Ill.** *See adv index at end of book*
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book*
**Buckeye Boiler Co., Dayton, O.**
California Boiler Works, 526 Howard, San Francisco, Cal.
California Corrugated Culvert Co. ("Calco"), Berkeley & Los Angeles, Cal.
Coast Culvert & Flume Co., Portland (Kenton Sta.), Oregon
*See adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
Crescent City Machine & Mfg. Works, 631 Tchoupitalas, New Orleans, La.
Davis Welding & Mfg. Co., 1543 Queen City av, Cincinnati, O.
**Elyria Enameled Products Co., Elyria, O.**
**FABRICATED STEEL PRODUCTS CORPORATION,** Box 505, Leetonia, O.
*See adv index at end of book.*
Ferro Products Co., N 13th & Wythe av, Brooklyn, N. Y.
**Fouts C. C. Co. ("Duro"), 650 Woodlawn av, Middletown, O.**
**FURMAN-FISHER CORP.,** 32 Church, New York *See adv index at end of book*
**Gerdes & Co., 42 Church, New York**
*See adv index at end of book*
Heil Company (Steel), 26th & Montana avs, Milwaukee, Wis.
Industrial Welding Co., 207 Guilford av, Baltimore, Md.
Johnson & Thompson, Birmingham, Ala.
Kellogg M. W. Co., 90 West, New York
*See adv index at end of book*
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.** *See adv index at end of book.*
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
**Lappan Jas. Mfg. Co., 20th & Pike, Pittsburgh, Pa.**
Lockport Chemical Works (Steel), Lockport, Ill.
McNamara Bros. Co., Westport, Baltimore, Md.
Manitowoc Engineering Works, Manitowoc, Wis.
Mobile Steel Co., Mobile, Ala.
Phoenix Iron Works Co., Meadville, Pa.
Reeves Bros. Co. (The), Alliance, O.
*See adv index at end of book*
**St. Louis Steel Barrel Corp'n, B'way, Benton & 9th, St. Louis, Mo.**
**SCAIFE WM. B. & SONS CO., First National Bank bldg, Pittsburgh, Pa., & 26 Cortland, New York**
*See adv index at end of book*
Standard Water Systems Co. ("Tripure"), **Hampton, N. J.**
Struthers-Wells Co., Warren, Pa.
Traylor Engineering & Mfg. Co., Allentown, Pa. *See adv index at end of book*
Treadwell Construction Co., Midland, Pa.
Welded Steel Barrel Corp., Hart av & Charlevoix, Detroit, Mich.
**Weldex Co., Richmond, Ind.**
Western Drop Forge Co., P. O. Box 386, Marion, Ind.

## 14823— Tanks (Wood)

**ACME TANK COMPANY** (& Vats), 43 Cortlandt, New York
*See adv index at end of book*
Aermotor Co., 2500 W 12th, Chicago, Ill.
**AMERICAN CREOSOTING CO.** (Creosoted), Bogalusa, La.
*See adv index at end of book*
American Mfg. Co., 2101 Louisiana av, New Orleans, La.
**American Stave & Cooperage Co., Chelsea, Mass.**
American Tower & Tank Co., Elgin, Ill.
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Badger Steel Roofing & Corrugating Co., **La Crosse, Wis.**
Baker Mfg. Co., Evansville, Wis.
Baltimore Cooperage Co., The, Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Beckman Bros., Des Moines, Ia.
Black, Sivalls & Bryson, Bartlesville, Okla.
Briggs & Allyn Mfg. Co. Co., Lawrence, Mass.
Burkhardts Geo. J. Sons, Drexel bldg, Phila., Pa.
Bushnell Tank Works (Red, Cypress, Tongued, Grooved or Plain), Bushnell, Ill.
Butler Co. (Red Louisiana Cypress), Butler, Ind.
Byrne-Turner Co. (Stove), Bellingham, Wash.
Caldwell W. E. Co., Louisville, Ky.
Challenge Co., Batavia, Ill.
Clippinger A. B. & Son Mfg. Co., Kansas City, Kan.
**CONTINENTAL PIPE MFG. CO.,** Seattle, Wash. *See adv index at end of book*
**CORCORAN A. J. (INC.),** 745 Jersey av, Jersey City, N. J.
*See adv index at end of book*
Craine Silo Co., Inc., Norwich, N. Y.
**Cullen & Vaughn Co., 450 Dayton, Hamilton, O.**
Dallas Cooperage & Woodenware Co., Dallas, Tex.
Davis G. M. & Son (Cypress Tanks, Tubs & Vats), Palatka, Fla.
Dunck Tank Works (Vats), 878 30th, Milwaukee, Wis.
Duplex Mfg. Co., Superior, Wis.
Eagle Tank Co., 2426 N Crawford av, Chicago, Ill.
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Flemming Tank Co., 3115 Liberty, Pittsburgh, Pa.
Flint & Walling Mfg. Co., Kendallville, Ind.
Freeman Mfg. Co., Racine, Wis.
Gouze Ferdinand, Jersey av & 15th, Jersey City, N. J.
Gray's Harbor Commercial Co. (Fir), ft. of 3rd, San Francisco, Cal.
Hagerty Bros. Co., Peoria, Ill.
Hall Amos H. & Sons ("Cedar," etc), 2915 N 2d, Phila., Pa.
**Hauser-Stander Tank Co., Cincinnati, O.**
Hayes Pump & Planter Co., Galva, Ill.
Heller-Aller Co. (Pine, Cedar & Cypress), Napoleon, O.
Hightower Box & Tank Co., Atlanta, Ga.
Hooper C. A. & Co., Balboa bldg, San Francisco, Cal.
**Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.**
Isseks David, 94 Mangin, New York
Jennings Cypress Tank Co. (Cypress), Shreveport, La.
Johnson & Carlson, 848 Eastman, Chicago, Ill.
Johnson & Hibbard, Westfield, Mass.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
**Kimball Tyler Co., 261 S 8th, Baltimore, Md.**

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Kretchmer Mfg. Co., Council Bluffs, Ia.
Leclaire Mfg. Co., Edwardsville, Ill.
Market Mfg. Co., Syracuse, N. Y.
**Mayer Tank Mfg. Co., 212 Russell, Brooklyn, N. Y.**
Minnesota Tank & Silo Co., 920 6th av, Minneapolis, Minn.
Munning A. P. & Co. (Cypress), Mattawan, N. J.
**NATIONAL TANK & PIPE CO.,** 275 Oak st, Portland, Ore.
*See adv index at end of book*
**NEW ENGLAND TANK & TOWER CO.,** 42 Main, Everett, Mass.
*See adv index at end of book*
**Northwestern Wind Engine Co., 110 3d av N, Minneapolis, Minn.**
Pacific Mfg. Co. (Redwood), Santa Clara, Cal.
**Pacific Tank & Pipe Co. (Cedar & Pipe for Water, Oil, Mining, Cyanide, etc),** 318 Market, San Francisco, Cal.
Peirce W. E. & Co., Milford, N. H.
**Puffer-Hubbard Mfg. Co., 32nd av S & 26th, Minneapolis, Minn.**
Quitman Cooperage Co., Quitman, Ga.
Redwood Mfrs. Co. (Cal. Redwood), Hobart bldg, San Francisco, Cal.
**Reed & Sherwood Mfg. Co., Anoka, Minn.**
**Riggs Cypress Co. (Ltd.) (Cypress), Patterson, La.**
**Roberts T. W., Bradford, Pa.**
Rosenwach J., 619 Grand, New York
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
**San Antonio Machine & Supply Co. (Cypress), San Antonio, Tex.**
**SCHLICHTER E. F. CO. (Cedar & Cypress), 10 S 18th, Phila., Pa.**
Severence Tank & Silo Co., Lansing, Mich.
Smith Benj. F. Co., Pawtucket, R. I.
Smith John M. & Sons, 1425 Spring Garden, Phila., Pa.
Standard Planing Mill Co., Lincoln, Neb.
**STEARNS A. T. LUMBER CO.,** 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Stecher Cooperage Works, 3rd & Barton, St. Louis, Mo.
Stehling Chas. H. Co., 401 4th, Milwaukee, Wis.
Stevens Tank & Tower Co. (Pine, Cypress or Cedar), Auburn, Me.
Stolpher Chas. Cooperage Co., 3206 Fond du Lac av, Milwaukee, Wis.
Twin City Tank, Silo & Specialty Co., 38th av & N E 5th, Minneapolis, Minn.
U. S. Wind Engine & Pump Co. ("Halladay" "Standard"), Batavia, Ill.
Vernier Mfg. Co., Cedar Rapids, Ia.
**WENDNAGEL & CO.,** 600 W 22d, Chicago, Ill.
Western Cooperage Co., Northwestern Bank bldg, Portland, Ore.
Woodmanse Mfg. Co., Freeport, Ill.
Woods Bros. Silo & Mfg. Co., Lincoln, Neb.
Woods & Co. (Cypress & Pine), 59 Park pl, New York.
Woolford G. Wood Tank Mfg. Co. (Cedar & Cypress), 1429 Chestnut, Phila., Pa.
Zelnickner Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

### Tanks & Cylinders (Cement)

See Cylinder & Tank Shells

### 14823a—Tanks & Receivers (Air)

Hoag A. W. & Co., Reading, Pa.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Scaife Wm. B. Sons Co., 1st Nat'l. Bank bldg, Pittsburgh, Pa. & 26 Cortlandt, New York. *See adv index at end of book*
**TRAYLOR ENGINEERING & MFG. CO.,** Allentown, Pa.
*See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
**WORTHINGTON PUMP & MACHINERY CORP.,** 115 B'way, New York.
*See adv index at end of book.*

### 14824—Tanks & Shells (Copper)

Johnson & Thompson, Birmingham, Ala.
Krenz Oscar Copper & Brass Co., San Francisco, Cal.
Randolph-Clowes Co. (Seamless Drawn), Waterbury, Conn.
Vulcan Copper Works Co., 120 Sycamore, Cincinnati, Ohio

### 14825—Tanks & Towers (Steel)

See also Water Columns or Stations, Railroad; also Stand Pipes

**ACME TANK COMPANY** (Wooden Tanks & Steel Towers), 43 Cortlandt, New York *See adv index at end of book*
Aermotor Co. (Windmills), 2500 W 12th, Chicago, Ill.
American Bridge Co., 30 Church, New York
American Tower & Tank Co., Elgin, Ill.
**Baker Mfg. Co., Evansville, Wis.**
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Belmont Iron Wks., 22d & Washington av, Phila., Pa.
Batavia Engineering Works (Towers), Batavia, Ill.
**Belmont Iron Wks., 22d & Washington av, Phila., Pa.**
Bennett Bros. Co. ("Ideal"), Lowell, Mass.
Birmingham Steel Corp., Birmingham, Ala.
Butler Co., Butler, Ind.
Baltimore Cooperage Co., The, c Han-
Caldwell W. E. Co., Louisville, Ky.
**Challenge Co., Batavia, Ill.**
Chattanooga Boiler & Tank Co., Chattanooga, Tenn.
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg, Chicago, Ill.
*For branch offices see adv index at end of book*
**Church Stephen B., Seymour, Conn.**
**Cole R. D. Mfg. Co., Newman, Ga.**
Columbiana Boiler Co., Columbiana, O.
Coombs R. D. & Co., 30 Church, N. Y.
Corcoran A. J. Inc., (Wood Tanks & Steel Towers), 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Dildine Bridge & Iron Co., Hannibal, Mo.
**Drake-Williams-Mount Co., Omaha, Neb.**
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
**Flint & Walling Mfg. Co. ("Star"), Kendallville, Ind.**
Freeman Mfg. Co., Racine, Wis.
Harry Bros. Co., Carr & I C RR, New Orleans, La.
Hartley Boiler Works, Montgomery, Ala.
Heller-Aller Co., Napoleon, O.
Ironton Punch & Shear Co., Ironton, O.


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FOR INTERIOR AND EXTERIOR CONSTRUCTION AND FINISH.

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# The A. T. STEARNS LUMBER CO.

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# ACME TANK COMPANY

**General Offices:** 43 CORTLANDT STREET NEW YORK

## Acme Wooden Tanks for All Purposes

We manufacture wooden tanks for all purposes and are in a position to ship promptly to all parts of the country. In order to facilitate distribution we have established factories in New York, Illinois and California.

### Materials

We build tanks of California Redwood, Gulf Cypress, Douglas Fir, White Cedar, Yellow Pine and other woods. We specialize in California Redwood which is recognized as the best obtainable material for holding acids and alkaline solutions. California Redwood is the lumber of trees that range in age from 500 to 1200 years. It contains a natural preservative that makes it immune to decay. It is free from pitch and all resinous matter. It is a soft, straight grained, easily worked wood, varying in color from a light cherry to a dark mahogany. It possesses lasting qualities scarcely equaled by any other wood. It possesses antiseptic properties which positively prevent the growth of decay producing fungi.

CALIFORNIA REDWOOD is immune to the attacks of wood boring worms, white ants and other insects, common enemies to other species of wood. This makes Redwood tanks particularly desirable for use in tropical climates.

Because of the fact that Redwood contains no pitch or resinous matter it is difficult to ignite. Even when dry it is very slow burning. When properly seasoned i. shrinks less than any other wood, does not warp, and is not affected by changes in temperature.

### We Build Steel Towers

We furnish and erect steel towers and wooden tanks for fire protection and water supply, for village and factory or any other purpose. We contract to deliver and erect any size tank and tower complete in any part of the United States. We make a specialty of tank and tower outfits to conform with the requirements of the National Board of Fire Underwriters or the Associated Factory Mutual Fire Insurance Companies.

*Send us your specifications.*

***Write for Our Redwood Circular***

We send on request a descriptive circular on California Redwood. It gives full information concerning this superior lumber, and quotes original letters from various industrial concerns giving unqualified endorsement to the value of California Redwood for tanks and containers.

### What Users of Redwood Tanks Say

"We are using Redwood entirely for acid solution containers, and have found Redwood practical as a container for solution up to 10 per cent. of nitric and hydrochloric acid mixed. Redwood is also most practical as a container for strong alkalies, even under boiling conditions."

"We have 16 Redwood tanks 44 feet in diameter by 9 feet deep, which have been in continuous service with alkaline solution for 15 years, and they are in first-class condition."

"We have had considerable experience with the use of Redwood both in tanks and in pipe, and in both cases same has proved far more successful than any other kind of wood. There seems to be absolutely no decay to the wood and they give evidence of lasting a lifetime."

"We are using Redwood tanks both for acid and saline solutions with the very best results."

"We can truly say that Redwood is far superior to any other wood for tank use. In fact, we believe the life of Redwood to be many times that of any other wood ordinarily used for this purpose. The wood is soft and pulls together, making a very tight and non-leakable tank. It is very resistant to dilute acid solutions and all kinds of acid salts. We have tanks in use under very trying conditions, where both nitric and sulphuric acids are used, and our tanks are apparently unaffected by these acids."

# STEEL STORAGE TANKS

**For Oil, Gasoline, Water, Acid, Molasses, Grain, etc.**
**To specify any other material than steel is extravagance.**

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**Let us help work out your difficulties.**
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## PITTSBURGH-DES MOINES STEEL COMPANY

(See Adv. Tanks (Steel) for list of offices)


TANKS & TOWERS (STEEL)—continued

Johnson & Thompson, Inc., Birmingham, Ala.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Lakeside Bridge & Steel Co., North Milwaukee, Wis. *See adv index at end of book*
Littleford Bros., 444 E Pearl, Cincinnati, O.
Logan Iron Works, 54 Commercial, Brooklyn, N. Y.
Lookout Boiler Mfg. Co., Chattanooga, Tenn.
McDaniel & Son, Litchfield, Ill.
McDermott Bros. Co., Allentown, Pa.
McNeil Boiler Co., 96 Crozier, Akron, O.
Maud S. Windmill & Pump Co., Lansing, Mich.
Memphis Bridge Co., Memphis, Tenn.
Memphis Steel Constr. Co., Magee bldg., Pittsburgh, Pa.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
Missouri Valley Bridge & Iron Co., Leavenworth, Kan.
Mitchell-Tappen Co., 15 John, New York
Mobile Steel Co., Mobile, Ala.
Nashville Bridge Co., Nashville, Tenn.
National Tank & Pipe Co., 275 Oak, Portland, Ore. *See adv index at end of book*
National Tank & Mfg. Co., 11th & Santa Fe av, Los Angeles, Cal.
New England Tank & Tower Co. (Towers only), 42 Main, Everett, Mass. *See adv index at end of book*
Pacific Tank & Pipe Co. (Also Wood), 318 Market, San Francisco, Cal.
Petty J. K. & Co., St. Girard bldg, Phila., Pa.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Red Cross Mfg. Co., Bluffton, Ind.
Republic Structural Iron Works Co., 1350 E 53d, Cleveland, O.
Riter-Conley Co., Oliver bldg, Pittsburgh, Pa.
Rock Island Bridge & Iron Works, Rock Island, Ill.
Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis, Mo.
Rusling Co., 39 Cortlandt, New York
**SCAIFE WM. B. SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 24 Cortlandt, New York *See adv index at end of book*
Schofield's J. S. Sons Co., Macon, Ga.
Sotter Bros., Pottstown, Pa.
Standard Boiler & Plate Iron Co., Niles, O.
Stevens Tank & Tower Co. (Steel Towers), Auburn, Me.
Stolz Jos. & Son Inc,, 841 E 136th, New York
Tippett & Wood, Phillipsburg, N. J.
Twin City Boiler Works, Bristol, Va.
United Iron Works Co., Kansas City, Mo.
U. S. Wind Engine & Pump Co., Batavia, Ill.
Variety Iron & Steel Works Co., Hamilton av & E 40th, Cleveland, O.
Virginia Bridge & Iron Co. (Water Only), Roanoke, Va.
Walsh-Weidner Boiler Co., Chattanooga, Tenn.
Walsh's Boiler & Iron Works, Springfield, Mass.
Warren City Tank & Boiler Co., Warren, Ohio
**WENDNAGEL & CO.**, 600 W 22d, Chicago, Ill.
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.
Williamette Iron & Steel Wks., Portland. Ore.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Woodmanse Mfg. Co., Freeport, Ill.

### 14825a—Tanks & Towers (Wood)

See also Tanks, Wood

**CORCORAN A. J., INC.** (also Wood Tanks & Steel Towers), 745 Jersey av, Jersey City, N. J. *See adv index at end of book*

### Tanners' Machinery

See Classification 9248

### 14825b— Tantalite

Foote Mineral Co., 107 N 19th, Phila., Pa.

### 14826— Tantalum (Metallic)

Foote Mineral Co., 109 19th, Phila., Pa.
Pfanstiehl Co., N. Chicago, Ill.

### 14826a— *Tap Extensions

**ALLEN MFG. CO.** ("Allen"), 133 Sheldon, Hartford, Conn. *See adv index at end of book*

### 14827— Tap & Drill Sets

Cleveland Twist Drill Co (Drills only), 1 E 49th, Cleveland, O.
**WHITMAN & BARNES MFG. CO.**, Akron, Ohio *See adv index at end of book*

### 14828— Tape (Advertising)

Accurate Measure Mfg. Co., 25 Madison av, New York
American Label & Advertising Tape Co., 60 Cooper sq, New York
Neuer & Hoffman, 75 Grand, New York
Reis G. & Bro. 900 B'way, New York

### 14829— Tape (Chain)

Hughes Bros., Scranton, Pa.
Ulmer J. C. Co. ("Lucas" Steel), E 38th & Kelly, Cleveland, O.

### 14830—Tape Cutting Machines (Insulating)

Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*

### 14830a— *Tape (Friction)

Chicago Mica Co., Valparaiso, Ind. *See adv index at end of book*

### 14831— Tape (Insulating)

See also Sleeving, Cotton

American Electrical Works ("Century"), Philipsdale, R. I.
Anchor Webbing Co. (Cotton), Pawtucket, R. I.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Boston Woven Hose & Rubber Co. ("Bull Dog," "B. W. H.," "Wizard," "Magic," "Brownie," "Tiger," "Evergrip," "Dauntless," "Service," "Leader," "Vigo," "Magnet" Splicing Compound, "Alexall," "Wizard," Sterling; also White Tape for Armatures, & "Evergrip' for Auto Bicycle Tires), Cambridge, Mass.
Burnley Battery & Mfg. Co., North East, Pa.
Canfield Rubber Co., Bridgeport, Conn.
Carey Philip Mfg. Co. (Asbestos), 330 Wayne av, Lockland, Cincinnati, O.
Carter, Rice & Corp. ("Crowell"), 246 Devonshire, Boston, Mass.
Chicago Mica Co. ("Champion" Oiled Cambric Brass & Straight Cut—also Linen & Cotton Tape), Valparaiso, Ind. *See adv index at end of book*
Cincinnati Rubber Mfg. Co. ("Cinrubco" Friction), Cincinnati, O.
Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
Combination Rubber Mfg. Co. (Friction), Bloomfield, N. J.
D. & W. Fuse Co., Providence, R. I.
Dielectric Mfg. Co. (Friction), 224 S Vandeventer av, St. Louis, Mo.
Dunton M. W. Co. ("Black Diamond," "23," "Verifax"), 150 Niagara, Providence, R. I.
Electric Appliance Co. (Eaco"), 701 W Jackson blvd, Chicago, Ill.
Electric Material Co. (Columbia"), 618 W. Jackson blvd., Chicago, Ill.
Elkhart Rubber Works, Elkhart, Ind.
Fleig L. L. & Co., 212 W Austin av, Chicago, Ill. *See adv index at end of book*


**L. L. Fleig & Company**
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CHICAGO, ILLINOIS

**Tapes Webbing Sleeving Mica Fibre Varnish Cloths and Tape Insulations of all kinds**


**FRICK & LINDSAY CO.** (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Good Mfg. Co., 160 N Wells, Chicago, Ill.
Goodrich B. F. Co., Akron, O.
Gorham-Revere Rubber Co., 50 Fremont, San Francisco, Cal.
Habirshaw Elec Cable Co., 10 E 43d, New York
Hope Webbing Co. (Cotton Tape), 1005 Main, Providence, R. I.
**Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.**
International Braid Co. (Cotton), 47 Charles, Providence, R. I.
Irvington Varnish & Insulator Co., Irvington, N. J.
Johns-Manville (H. W.) Co. (Asphalt, "Niagrite," "J-M Alpha," Cable), Madison av & 41st, New York
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Lehon Co., 4451 S Oakley, Chicago, Ill. *See adv index at end of book.*

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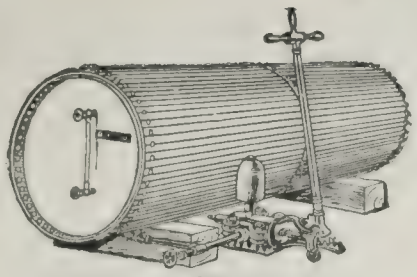
# WATER WORKS SYSTEMS
# SILOS

*Any Shape or Size* *Send Us Your Inquiries*



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Marion Insulated Wire & Rubber Co., Marion, Ind.
Meirowsky Bros. Jersey City, N. J.
Mica Insulator Co. ("Linotape" Oiled Tape, "Mico," "Kablak"), 68 Church, New York
Mica Mfg. Co. ("Micasmiths"), 135 Jackson, Brooklyn, N. Y.
Minerallac Electric Co., 1045 Washington blvd, Chicago, Ill.
National India Rubber Co., Bristol, R. I.
National Rubber & Specialties Co. ("Red Cross"), Winton pl, Cincinnati, Ohio
New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Insulated Wire Co. ("Grimshaw," Competition Brands, both Friction and Rubber), 84 State, Boston, Mass.
Okonite Co. ("Okonite" "Mason"), Passaic, N. J. *See adv index at end of book*
Pettingell-Andrews Co. ("O. K." "Exemplar"), 166 Pearl, Boston, Mass.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Revere Rubber Co. ("V," "Z"), Chelsea, Mass.
**St. Louis Rubber Cement Co. (Friction), 3046 Lambdin av, St. Louis, Mo.**
Schenectady Lionite Co., Schenectady, N.Y.
Schoonmaker A. O. (Oiled Muslin), 88 Park pl. New York
Standard Paint Co. ("P. & B."), 233 B'way, New York
Standard Underground Cable Co., Westinghouse bldg., Pittsburgh, Pa.
Standard Woven Fabric Co. ("Multico," "Multibestos," "Stanwal"), Walpole, Mass.
United States Asbestos Co., Lancaster, Pa.
United States Rubber Co., Mechanical Goods Div., 1790 B'way, New York
Van Cleef Bros., 7711 Woodlawn av, Chicago, Ill.
Vulcan Asbestos Mfg. Co. (Asbestos), 95 Broad, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, E Pittsburgh, Pa.
*See adv index at end of book*

## 14832— Tape (Lead)

**Chadwick-Boston Lead Co., Boston, Mass.**

## 14833— Tape (Metal)

Roovers Bros. (for Embossing Machines), 100 Schermerhorn, Brooklyn, N. Y.
*See adv index at end of book*

## Tape (Varnished)

**See Cloth, Insulating**

## 14834— Tape (Waterproof)

Okonite Co., Passaic, N. J.
*See adv index at end of book*
Standard Woven Fabric Co., Walpole, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, E Pittsburgh, Pa.
*See adv index at end of book*

## 14835—Tapering Roll & Swedger (Combined)

Ajax Elec. Specialty Co., 1011 Market, St. Louis, Mo.
Arrow Electric Co., 103 Hawthorne, Hartford, Conn.
Bryant Electric Co., 1421 State, Bridgeport, Conn.
Hart & Hegeman Mfg. Co., 342 Capitol av, Hartford, Conn.
Rock River Machine Co., Janesville, Wis.
**Ryerson Jos. T. & Son (For Spring Shop Work)**, 916 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Trumbull Elec. Mfg. Co., Woodford av, Plainville, Conn.

## 14836— Tapes (Gummed)

Am. Gum Tape Co., 115 Worth, New York
**Anderson W. J. & Co., 341 B'way, New York**
Brown Paper Co., 1220 Spruce, St. Louis, Mo.
**Chicago Gum Tape Co., 317 E Illinois, Chicago, Ill.**
Crowell Corp., 241 37th, Brooklyn, N. Y.
**Eisler Anthony & Co., 227 Canal, New York**
**Herrlinger & Co., 206 Walnut, Cincinnati, O.**
**Knowlton M. D. Co., 26 Elizabeth, Rochester, N. Y.**
Metal Specialties Mfg. C. (Plain & Printed, all widths in rolls), 338 N Kedzie av, Chicago, Ill.
**Mott Wallace A. (Plain & Printed), Norwalk, Conn.**
National Binding Machine Co. (Printed), 260 West, New York
Papco Paper Products Co., Atlanta, Ga.
Peters Co., 33 35th, Brooklyn, N. Y.
Powell Sealer & Tape Mfg. Co. (Printed), Westerville, O.
Rexford Gummed Tape Co., Milwaukee, Wis.
**Thomas Stationery Mfg. Co., Springfield, O.**

## 14837— Tapes (Measuring)

Browne W. G. Mfg. Co. ("Never-Stretch" Waterproof), Kingston, N. Y.
Chicago Steel Tape Co. (Steel), 6231 Cottage Grove av, Chicago, Ill.
Chicago Tape & Label Co. (Tailors' Linen), 521 N Spaulding av, Chicago, Ill.
Dietzgen Eugene Co. (Steel, etc), 166 W Monroe, Chicago, Ill.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Gurley W. & L. E. (Steel Ribbon, Metallic), Troy, N. Y.
Johnston Robt. (Steel Tape & Reel), Wilkes-Barre, Pa.
Keuffel & Esser Co. ("Keco," "Liliput" Steel, Metallic & Linen), Hoboken, N. J.
**LUFKIN RULE CO.** ("Reliable," "Challenge," "Rival," "Banner," Steel Tape), Saginaw, Mich.
Roe Justus & Sons (Steel), Patchogue, N. Y.
Seelig R. & Son, 231 N 5th av, Chicago, Ill.
**STARRETT L. S. CO. (THE)**, (Steel), Athol, Mass.
*See adv index at end of book*
Ulmer J. O. Co. ("Lucas" Steel Chain), 1791 E 38th, Cleveland, O.
Weber F & Co., 1220 Buttonwood, Phila., Pa.
Wiebusch & Hilger ("Chesterman" Imp. Steel, Metallic & Linen), 106 Lafayette, New York

## 14837a— Tapes (Name)

Sterling Name Tape Co. (for Identification), Winsted, Conn.

## 14838— Tapes (Pocket)

Lufkin Rule Co., Saginaw, Mich.

## 14839—Tapes & Webbing for Dynamos, Etc.

Barton F. C., 65 Worth, New York
Empire Mfg. Co., Lockport, N. Y.
Hope Webbing Co., 1005 Main, Providence, R. I.
Mica Insulator Co., 68 Church, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 14840—*Tapping Attachments

See also Tapping Attachments (Drilling Machines)

Cleveland Specialty & Mfg Co, Cleveland, O.
Modern Tool Co. ("Modern"), 300 State, Erie, Pa. *See adv index at end of book*

## 14841—Tapping Attachments (Drilling Machines)

**Beaman & Smith Co. (Safety Friction Type), Providence, R. I.**
Bicknell-Thomas Co. (Friction Driven), **Greenfield, Mass.**
Dorman John H., 1 Bethune, New York
**Errington F. A. (Automatic Reverse & Safety Friction Type), 39 Cortlandt, New York**
Herbert Alfred Ltd., 54 Dey, New York
*See adv index at end of book*
Hoefer Mfg. Co., Freeport, Ill.
Horton E. & Son Co. (Automatic Reverse Safety Friction Type), Windsor Locks, Conn.
Jarvis Charles L. Co. ("Jarvis" Ball Drive), Gildersleeve, Conn.
McCrosky Reamer Co. (Reversing & Variable Speed), Meadville, Pa.
Procumier William L., 547 W Wash bl, Chicago, Ill.
Whitney Mfg. Co. ("Holm," Safety Friction Type), Hartford, Conn.

## 14842— Taps (Adjustable)

**Carpenter J. M. Tap & Die Co.** ("French's," etc), Pawtucket, R. I.
Conant & Donelson Co. ("Reliable"), Conway, Mass.
Geometric Tool Co. ("Geometric" Collapsing), New Haven, Conn.
Pratt & Whitney Co., Hartford, Conn.

## 14843—*Taps (Automobile & Vehicle)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*

# American Tap & Die Co.

**GREENFIELD, MASS.**

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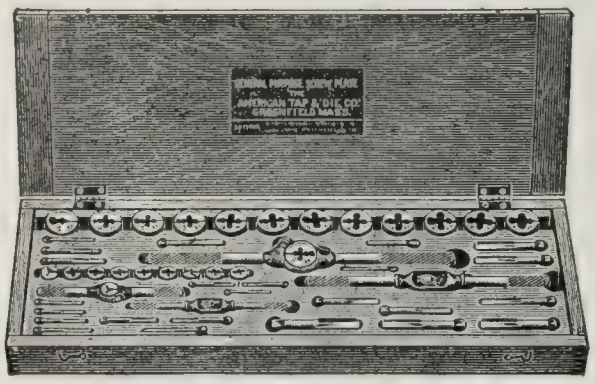

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Most complete and useful set ever offered. Contains all Machine Screw sizes from number two to eighteen. U. S. Standard $\frac{3}{16}$ to $\frac{1}{2}$ in. S. A. E. (A. L. A. M.) $\frac{1}{4}$ to $\frac{5}{8}$ in. Twenty three sizes in all. There are two Tap Wrenches and two Die stocks fitting all taps and dies.


TAPS (AUTOMOBILE & VEHICLE)—continued

**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## 14844—Taps (Beaman & Smith Holder)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.
Winter Brothers Co. ("Thistle"), Wrentham, Mass.

## 14845— Taps (Bit Brace)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Besly Chas. H. & Co. ("Helmet" Temper), 120 N Clinton, Chicago, Ill.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Russell Mfg. Co. ("Russell"), Greenfield, Mass.

## 14846— Taps (Blacksmiths')

Besly Chas. H. & Co. ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co. (Taper), Mansfield, Mass.
Carpenter J. M. Tap & Die Co. (Taper), Pawtucket, R. I.
Champion Blower & Forge Co., Lancaster, Pa.
Hart Mfg. Co., Cleveland, O.
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co. (Taper, etc), Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Williams Drop Forging Co., Scranton, Pa.

## Taps (Boiler)

See Taps, Patch Bolt

## 14847—*Taps (Boiler, Straight & Taper)

**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## 14848— *Taps (Bottoming)

**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## 14849— Taps (Champagne)

Erie Specialty Co. ("Quick & Easy"), 520 W 12th, Erie, Pa.
Haydenville Co., Haydenville, Mass.
Landers, Frary & Clark, New Britain, Conn.
Morgan Silver Plate Co., Winsted, Conn.
Ray Geo. A. Mfg. Co. (Nickel Plated), Buffalo, N. Y.
Williamson C. T. Wire Novelty Co. ("Williamson" Gas Tight), Badger av, Newark, N. J.

## 14850— Taps (Collapsible)

Eastern Mach. Screw Corp. ("H. & G."), New Haven, Conn.
Errington F. A., 39 Cortlandt, New York
Geometric Tool Co. ("Geometric," Adjustable), New Haven, Conn.
Manufacturers Equipment Co., Waller & Fillmore, Chicago, Ill.
Modern Tool Co. ("Modern," Adjustable), 300 State, Erie, Pa.
*See adv index at end of book*
Murchey Machine & Tool Co. ("Murchey" Automatic, also Collapsing Tap & Reamer Combined), 85 Porter, Detroit, Mich.
National Acme Co. ("Namo"), 7500 Stanton av, S E Cleveland, O.
Victor Tool Co. ("Victor"), Waynesboro, Pa.

## 14851—Taps (Combined Drill & Reamer)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Hollands Mfg. Co., 352 E 18th, Erie, Pa.
Mueller H. Mfg. Co., Decatur, Ill.
Polk A. J. & Son Co., Millersburg, Pa.
Standard Tool Co., 6700 Central av, Cleveland, O.

## Taps (Current)

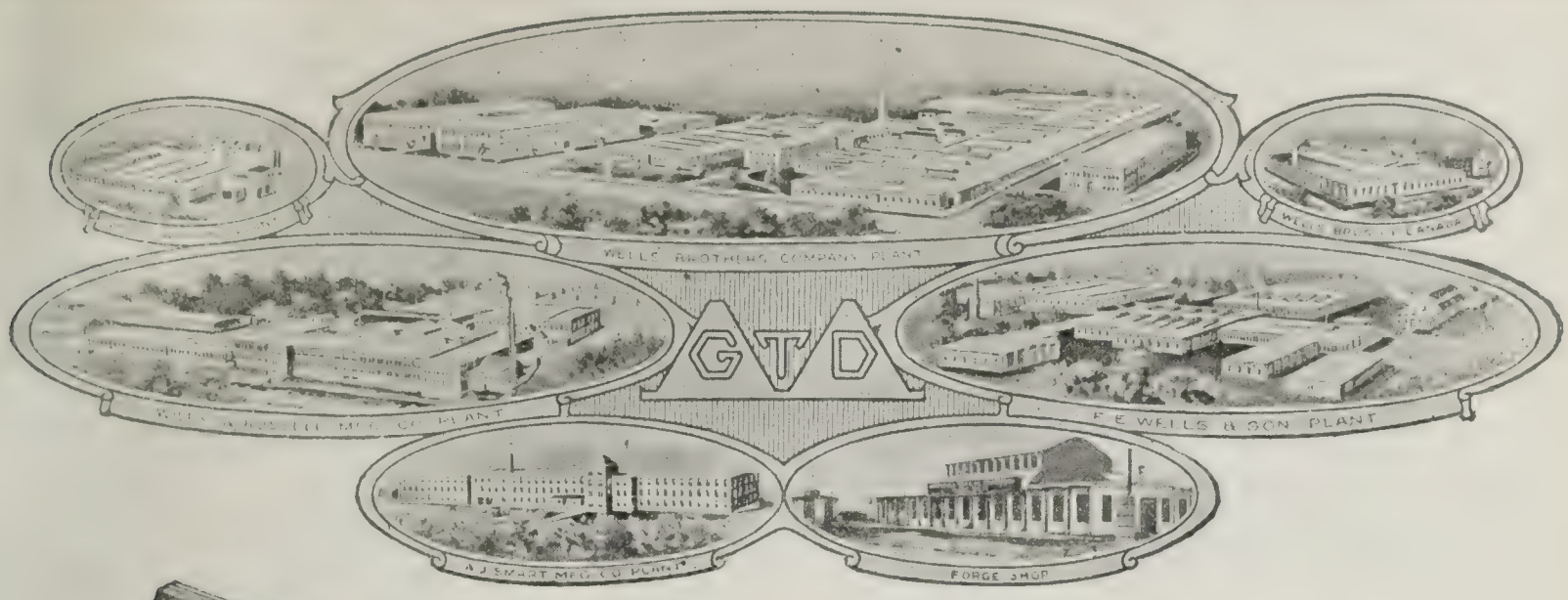
See Taps, Electric Current

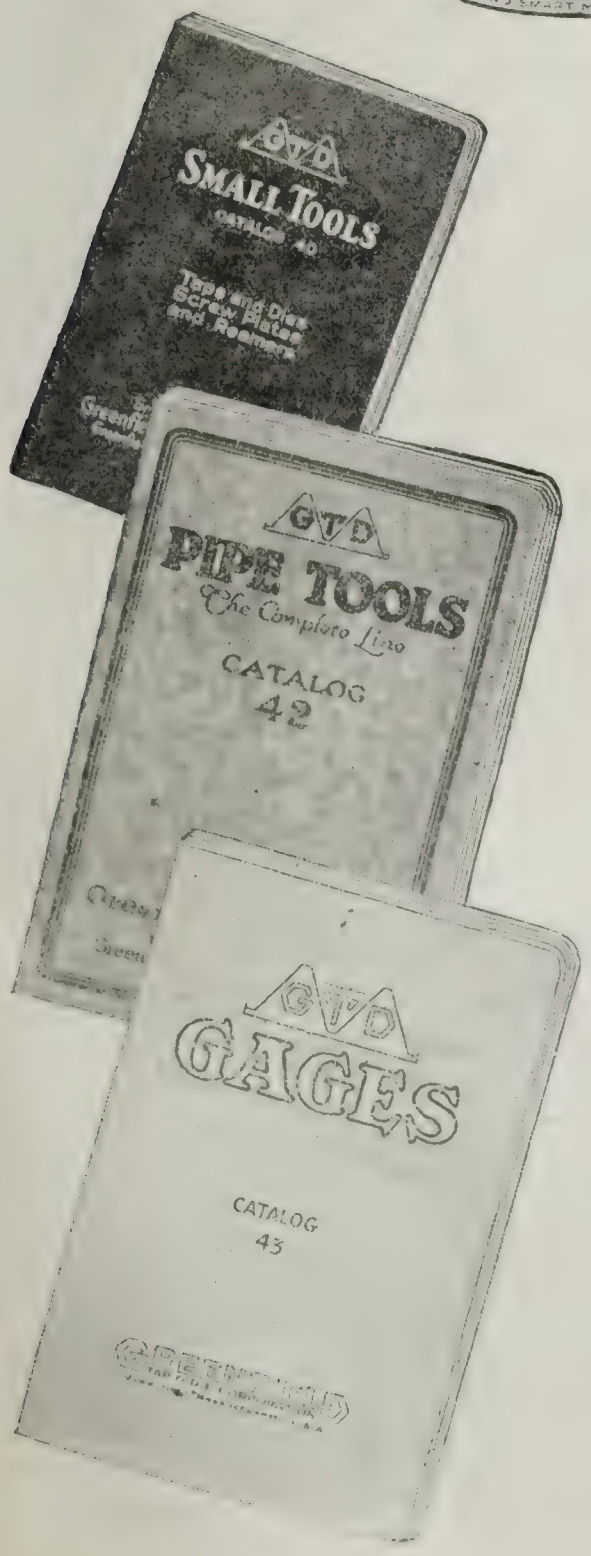
## 14852— Taps (Die)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Herbert Alfred Ltd., 54 Dey, New York
*See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.** 19 W 44th, New York
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Ryerson J. T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Sheffield Machine & Tool Co., Dayton, O.
Toledo Tap & Die Co., Clinton, Toledo, O.

## 14853—Taps (Electric Current)

Bryant Electric Co., Bridgeport, Conn.
Hubbell Harvey (Inc.), Bridgeport, Conn.

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**Canadian Factory, Greenfield Tap & Die Corp. of Canada, Ltd., Galt, Ontario.**

TAPS (ELECTRIC CURRENT)—contin'd
Jordan Bros., 74 Beekman, New York
Manhattan Electrical Supply Co. ("Mesco"), 17 Park pl, New York
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 14854—*Taps (Gas Fixture)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## 14855— Taps (Hand)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP.** ("G. T. D.," Taper, Plug & Bottoming, also "Gun" Taps, All Standards), Greenfield, Mass. *See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio

## 14856— Taps (Hob)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co. ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Card S. W. Mfg. Co. (Short or Long, also Master), Mansfield, Mass.
**GREENFIELD TAP & DIE CORP.** ("G. T. D.," Short Plug & Pipe), Greenfield, Mass. *See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse," Hob or Master; also Sellers; also Short Plug), New Bedford, Mass.
Polk A. J. & Son Co. (Sellers), Millersburg, Pa.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass.

## 14857—*Taps (Horse Shoe)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP.** ("G. T. D." Horse Shoe Calk), Greenfield, Mass. *See adv index at end of book*

## 14858—Taps (Interrupted Thread)

Pratt & Whitney Co. ("Echols" Patent), Hartford, Conn.

## 14859— Taps Locomotive

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio

## 14860— Taps (Machine)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Besly Chas. H. & Co. ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Bissel F. Co., Toledo, O.
**GREENFIELD TAP & DIE CORP.** ("G. T. D." & "Gun" Taps), Greenfield, Mass.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio

## 14861—Taps (Machine Nut)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas H. & Co. ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Brown H. B. Co. (Nut Threading), East Hampton, Conn.
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co. ("Derby"), Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D.," "Hercules"), Greenfield, Mass.
*See adv index at end of book*
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Reynolds James Mfg. Co., New Haven, Conn.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass.

## 14862—Taps (Machine Screw)

**AMERICAN TAP & DIE CO.** ("Adamantine," Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co. ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
Corbin Screw Corp., New Britain, Conn.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Reynolds James Mfg. Co., New Haven, Conn.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

## 14863—Taps (Machinists' Hand)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co. ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co. ("Paragon"), Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D.," Taper, Plug & Bottoming), Greenfield, Mass.
*See adv index at end of book*
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Reynolds James Mfg. Co., New Haven, Conn.
Winter Bros. Co. ("Thistle"), Wrentham, Mass.

## 14863a— *Taps (Metric)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## 14864—Taps (Mud Plug or Wash-Out)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Card S. W. Mfg. Co., Mansfield, Mass.
**GREENFIELD TAP & DIE CORP.** ("G. T. D.," Mud Plug or Wash-Out), Greenfield, Mass.
*See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.

## 14865— Taps (Patch Bolt)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co. ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Brubaker W. L. & Bros., Millersburg, Pa.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book.*
Winter Bros. Co., Wrentham, Mass.

## 14866— Taps (Plug)

Bachelder & Co., 234 Mt. Vernon, Lowell, Mass.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio

## 14867— Taps (Pulley)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co. ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Winter Bros. Co., Wrentham, Mass.

## 14868— Taps (Screw)

Reiff & Nestor, Lykens, Pa
Waltham Screw Co., Waltham, Mass.

## 14869-70— Taps (Serial)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP.** ("G. T. D.," Hand), Greenfield, Mass.
*See adv index at end of book*
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio

## 14871—*Taps (Spindle Staybolt)

**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*

## 14872— Taps (Stay Bolt)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co. ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Brubaker W. L. & Bros., Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co. (Also Spindle Staybolt), Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D.," "Maxi"), Greenfield, Mass.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.

Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
**Russell Mfg. Co. ("Russell"), Greenfield, Mass.**
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill. *See adv index at end of book.*
**Winter Bros. Co., Wrentham, Mass.**

## 14873— Taps (Stove Bolt)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Polk A. J. & Son Co., Millersburg, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Winter Bros. Co., Wrentham, Mass.

## 14874— Taps (Taper)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., 120 N Clinton, Chicago, Ill.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co. (Bicycle, etc), Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Polk A. J. & Son Co., Millersburg, Pa.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, O.
**Russell Mfg. Co. ("Russell"), Greenfield, Mass.**
Winter Bros. Co., Wrentham, Mass.

## 14875— Taps (Tapper)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Bay State Tap & Die Co., Mansfield, Mass.
Besly Chas. H. & Co., ("Helmet," Temper), 120 N Clinton, Chicago, Ill.
Butterfield & Co. (Bicycle), etc.), Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Morse Twist Drill & Mach. Co. ("Morse"), New Bedford, Mass.
Ohio Ceramic Engineering Co., Berea rd, Cleveland, O.
Polk A. J. & Son Co., Millersburg, Pa.
Pratt & Whitney Co., Hartford, Conn.
Winter Bros. Co., Wrentham, Mass.

## 14876—Taps & Drills Combined (Pipe)

**GREENFIELD TAP & DIE CORP. ("G. T. D.," Combined Pipe Tap & Drill),** Greenfield, Mass.
*See adv index at end of book*
Morse Twist Drill & Machine Co., New Bedford, Mass.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
Standard Tool Co., 6700 Central av, Cleveland, O.

## 14877—Taps & Drills (Pipe)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Besly Chas H. & Co. ("Helmet" Temper), 120 N Clinton, Chicago, Ill.
Brubaker W. L. & Bros., Millersburg, Pa.
Carpenter J. M. Tap & Die Co. (Pipe Taps Only), Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP. ("G. T. D.," Combined Pipe Tap & Drill),** Greenfield, Mass.
*See adv index at end of book*
Morse Twist Drill & Machine Co. ("Morse"), New Bedford, Mass.
Pratt & Whitney Co., Hartford, Conn.
Republic Tool & Mfg. Co., 1401 W Ninth, Cleveland, Ohio
**Russell Mfg. Co. ("Russell"), Greenfield, Mass.**
**Standard Tool Co., 6700 Central av, Cleveland, O.**

## 14878—Taps & Reamers (Pipe)

**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Ashcroft Mfg. Co., 119 W 40th, New York
Bay State Tap & Die Co., Mansfield, Mass.
Brubaker W. L. & Bros., Millersburg, Pa.
Buffum Tool Co. ("Swastika," "Plumbers"), South Side, Louisiana, Mo.
Butterfield & Co. ("Derby"), Derby Line, Vt.
Card S. W. Mfg. Co., Mansfield, Mass.
Carpenter J. M. Tap & Die Co., Pawtucket, R. I.
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Hollands Mfg. Co., 352 E 18th, Erie, Pa.
Keystone Die Stock Co. ("J. J. Delehant's Keystone"), 652 W 47th, Chicago, Ill.
Morse Twist Drill & Machine Co. (Also Straight & Whitworth Pipe, "Morse" Taps), New Bedford, Mass.
Mueller H. Mfg. Co. (Pipe End Reamers), Decatur, Ill.
Polk A. J. & Son Co., Millersburg, Pa.
Potter S. A. Tool & Machine Works, 79 E 130th, New York
Pratt & Whitney Co., Hartford, Conn.
Precision Tool Co., Canton, Mass.
Putnam Machine Co., Fitchburg, Mass.
Russell Mfg. Co. ("Russell"), Greenfield, Mass.
Saunders' D. Sons, Yonkers, N. Y.
Victor Tool Co. (Collapsing Pipe Taps), Waynesboro, Pa.
Walworth Mfg. Co., Boston, Mass.
Winter Bros. Co., Wrentham, Mass.

## 14879—Tar Burning Systems (Smokeless)

Connelly Iron Sponge & Governor Co., 227 Fulton, New York
MacLeod Co., 2227 Bogen, Cincinnati, Ohio
*See adv index at end of book*

## 14879a— Tar Distillates

American Wood Preserving Co. (Coal), 1351 N Branch, Chicago, Ill.
Du Pont Chemical Works, Wilmington, Del.

## 14880— Tar Mfrs.

See also Coal Tar Products

American Tar Products Co. (Waterproofing, etc.), 208 S La Salle, Chicago, Ill.
Atlanta Gas Light Co., Atlanta, Ga.
Barrett Co., 17 Battery pl, New York
Carolina Pine Products Co., Cleveland, O.
Hamilton-Otto Coke Co., Hamilton, O.
New Haven Gas Light Co., New Haven, Conn.
Semet-Solvay Co, Syracuse, N. Y.
Spokane Gas & Fuel Co., Spokane, Wash.
United Gas Improvement Co., Broad & Arch, Phila., Pa.

## 14881— Tar (Pine)

See also Oil, Pine

Adams Fred C. Co., 118 N La Salle, Chicago, Ill.
Chatham Mfg. Co., Savannah, Ga.
Corner Jas. & Sons, E Falls av & Fawn, Baltimore, Md.
**GENERAL NAVAL STORES COMPANY (INC.)** ("Sunny South"), 90 West, New York
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
Larendon M. W. & Co. (Jobbers), 82 Wall, New York
**Noble Electric Steel Co., 995 Market, San Francisco, Cal.**
North Carolina Naval Stores Co., Wilmington, N. C.
No. Western Pine Tar Co., 1905 Diversey, Chicago, Ill.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Reeder Oliver & Son, Key, Highway & Covington, Baltimore, Md.
Vanderbilt R. T. Co. (Rubber), 50 E 42d, New York

## 14882— Tar (Refined)

Carey Philip Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
Certain-teed Products Corp, St. Louis, Mo.

## 14882a— Tar (Water Gas)

Brockton Gas Light Co., Brockton, Mass.
Elizabethtown Gas Light Co., Elizabeth, N. J.
El Paso Gas Co., El Paso, Tex.
Fall River Gas Works Co., Fall River, Mass.
Jacksonville Gas Co., Jacksonville, Fla.
Lynn Gas & Electric Co., Lynn, Mass.
New Bedford Gas & Edison Light Co., New Bedford, Mass.
New York & Richmond Gas Co., Stapleton, N. Y.
Rochester Railway & Light Co., Rochester, N. Y.
Utica Gas & Electric Co., Utica, N. Y.
Westchester Lighting Co., Mt. Vernon, N. Y.
Wilmington Gas Co., Wilmington, Mass.

## 14883— Tar (Wood)

Kingsport Wood Reduction Co., Kingsport, Tenn.
**Newton Chemical Co., Olean, N. Y.**

## 14884—Targets (Shooting Gallery)

Arcade Mfg. Co., Freeport, Ill.
Dennison Mfg. Co. (Paper), 26 Franklin, Boston, Mass.
Quackenbush H. M., Herkimer, N. Y.

## Targets (Trap Shooting)

See Traps & Targets, Trap Shooting

## 14885—Tarpaulins, Wagon Covers, Etc.

See also Tents, Contractors'

Amer. Commercial Corp., 120 B'way, New York
American Tent & Awning Co., 307 Washington av, North Minneapolis, Minn.
Anchor Supply Co., Evansville, Ind.
Aronoff Joseph J., Trenton, N. J.
**ATLANTA TENT & AWNING CO., Atlanta, Ga.**
Baker & Lockwood Mfg. Co., Kansas City, Mo.
Brooks Tent & Awning Co., Denver, Colo.
Buckeye Tent & Awning Mfg. Co., 264 Spruce, Columbus, O.
Carnie-Goudie Mfg. Co., 22d & Grand av, Kansas City, Mo.
Carpenter Geo. B. & Co., 440 N Wells, Chicago, Ill.
Denver Tent & Awning Co., Denver, Colo.
Fulton Bag & Cotton Mills ("Shuredry" Waterproof), Atlanta, Ga.
Hettrick Mfg. Co., Toledo, O.
Hooper Wm. E. & Sons Co., 3502 Parkdale, Baltimore, Md.
Humphry's R. A. Sons, 1021 Collowhill, Phila., Pa.
Johnson John Co., 362 Gratiot, Detroit, Mich.
Lane J. H. & Co. (Jobbers), 334 4th av, New York
Lincoln Tent & Awning Co., Lincoln, Neb.
Little Rock Tent & Awning Co., Little Rock, Ark.
Meyer L. M. & Co., Springfield, Mass.
Mills Andrew & Sons, 53 South, New York
Moore Benj. & Co., 27 South, New York
Mowry David C. & Son, Geneva, Neb.
Pittsburgh Waterproof Co., 435 Liberty av, Pittsburgh, Pa.
**U. S. TENT & AWNING CO.,** 227 N Desplaines, Chicago, Ill.
*See adv index at end of book*
Reach A. L. Textile Co. (Pads etc), 29 W Houston, New York
Rider A. J., Syracuse, N. Y.
Rogers Tent & Awning Co., Fremont, Neb.
Rowe E. L. & Son, Gloucester, Mass.
Schaefer Tent & Awning Co., Denver, Colo.
Smith Arthur F. Co., 261 Canal, New York.
**STANLEY WM. W.** (Waterproof), 50 Church, New York
Sullivan Jno. & Son, 356 Hudson, New York
Textile Products Mfg. Co. ("Noxall" & "Sterling"), Park av & Dolman, St. Louis, Mo.
Thomas Wm. E. & Co., 42 South, New York
Upson Walton Co., 1294 W 11th, Cleveland, Ohio

TARPAULINS, WAGON COVERS, ETC.—continued

Wheeling Tent & Awning Co., Wheeling, W. Va.
Wolf Bros. Tent & Awning Co., Omaha, Neb.
Zittlosen Mfg. Co., Park & Dolman, St. Louis, Mo.

## 14885a— Tartar Emetic

Harshaw, Fuller & Goodwin Co., Elec bldg., Cleveland, O.

## 14886— Tassels (Brass)

**Judd H. L. Co., 87 Chambers, New York**
**Turner & Seymour Mfg. Co., Torrington, Conn.**

## 14887—Tassels (Harness & Saddlery)

**Advance Specialty & Mfg. Co. (Hair), St. Joseph, Mo.**
**Fielding A. & Bros. (Hair), Hoboken, N. J.**
**Rauschenberger John Co., 87 W Water, Milwaukee, Wis.**

## 14888—Tassels (Silk, Drapery, Etc.)

**Bridgeport Coach Lace Co. (Coach), Bridgeport, Conn.**
**Buschner A. C. & Co., 1253 Nostrand av, Brooklyn, N. Y.**
**Empire Braid Works, 413 W B'way, New York**
Empire Fringe Co., 909 Faile, New York
Fielding A. & Bro. (Hair), Hoboken, N. J.
Helmus Gabriel, 142 Greene, New York
Horstmann W. H. Co., 5th & Cherry, Phila., Pa.
Mason Silk Mills (Silk), Paterson, N. J.
**New York Tassel & Cord Co., 35 Howard, New York**
Rosenthal Bros., 463 Broome, New York.
Schlegel Mfg. Co., Rochester, N. Y.
Schultz Goodwin Co., 31 Lincoln, Boston, Mass.
**Unger Wm. & Bro., 496 B'way, New York**
United States Trimming Co., 1410 N 6th, Phila., Pa.
United Trimming Co., 16 W 39th, New York
**Vogt Mfg. & Coach Lace Co. (Coach), Rochester, N. Y.**
**Walliser August, 531 Hermitage Rox, Phila., Pa.**
Webendorfer H., 338 E 103d, New York
Weinz Trimming Co., 68 Chauncy, Boston, Mass.

## 14888a— *Tax Specialists

**HOLMES E. J. & CO.,** 110 S Dearborn, Chicago, Ill. *See adv index at end of book*

## 14888b—Taxidermists Supplies Mfrs.

Babbitt James P. (Glass Eyes), Taunton, Mass.

## 14889— Teasels

**Kellogg Bros., Skaneateles, N. Y.**

## Technical Institutions

**See Engineering Schools & Colleges**

## 14890— Tedders (Hay)

**Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.**
Emerson-Brantingham Co. ("EB" Combination Rake & Tedder), Rockford, Ill.
**Gehl Bros. Mfg. Co., West Bend, Wis.**
**Hocking Valley Mfg. Co., Lancaster, O.**
International Harvester Company of America (Inc.), Deering-McCormick-International), Harvester bldg., Chicago, Ill.
**Massey-Harris Harvester Co., Batavia, N. Y.**
Messinger Mfg. Co., Tatamy, Pa.
**Moline Plow Co. ("Flying Dutchman"), Moline, Ill.**
Ohio Rake Co. ("Monarch," "Quail"), Dayton, O.
**Richardson Mfg. Co., Worcester, Mass.**
**Sterling Mfg. Co., Sterling, Ill.**



**Thomas Mfg. Co. ("Thomas," "Royal," "Triumph"), Springfield, O.**
**Wood Walter A. Mowing & Reaping Machine Co., Hoosick Falls, N. Y.**

## 14890a—Tee-Squares (Stonemans')

Eagle Engineering Co. ("Star"), Springfield, O.

## 14891— Tees (Boiler)

**Slake Specialty Co. (Double Union & Bottom Boiler), Rock Island, Ill.**

## 14892— Tees (Pipe)

**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
**General Fire Extinguisher Co., Providence, R. I.**
**Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.**
**Kelly & Jones Co. (Cast & Malleable Iron), 135 Water, Pittsburgh, Pa.**
Larkin J. K. & Co. (Malleable Steel), 34 Reade, New York
*See adv index at end of book*
**LUNKENHEIMER CO. (Brass), Executive Offices. Factories: Beekman & Waverly, Cincinnati, O.**
*See adv index at end of book*
**Malleable Iron Fittings Co. ("M. I. F. Co.," Malleable), Branford, Conn.**
**Powell Wm. Co. (Brass), Cincinnati, O.**
*See adv index at end of book*

## 14893—Tees (Test, Soil Pipe)

Compound Injector & Specialty Co. ("Dehn"), 419 N Laramie av, Chicago, Ill.
Thermal Syndicate Ltd. (Fused Silica), 59 E 41st, New York

## 14894— Tees (Union)

**ACHESON MFG. CO.,** Rankin, Pa.
*See adv index at end of book*
Dart E. M. Mfg. Co. ("Dart"), 134 Thurbers av, Providence, R. I.
*See adv index at end of book*
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
**LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.** *See adv index at end of book*
**Malleable Iron Fittings Co. ("M. I. F. Co."), Branford, Conn.**

## 14895—Teeth (Eundle Carrier)

Cambria Steel Co., Widener bldg, Phila., Pa.
Harrow Spring Co. (Spring), Milwaukee Wis.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14896— Teeth (Cultivator)

Allen S. L. & Co. ("Planet, Jr."), 5th & Glenwood, Phila., Pa.
Bateman Mfg. Co., Grenloch, N. J.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Cambria Steel Co. (Steel), Widener bldg, Phila., Pa.
Harrow Spring Co. (Spring), Milwaukee, Wis.
Hench & Dromgold Co., York, Pa.
Parlin & Orendorff Co., Canton, Ill.

## 14897— Teeth (Dipper)

American Forge Works, Denver, Colo.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
National Iron Co., Duluth, Minn.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

## 14898—Teeth for Crusher Rolls

Alloy Steel Forging Co., Carnegie, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**Scranton Forging Co. (For Coal & Salt), Scranton, Pa.**
*See adv index at end of book*

## 14899-900—Teeth (Harrow)

Babcock Mfg. Co., Leonardsville, N. Y.
Cambria Steel Co. (Drag & Spring), Widener bldg, Phila., Pa.
Harrow Spring Co. (First National Bank bldg.), Milwaukee, Wis.
**Henry & Allen (Reversible), Auburn, N. Y.**
Herschel R. Mfg. Co., Peoria, Ill.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Madison Plow Co., Madison, Wis.
**Mason F. C. & Co. (Spring, Spike), St. Johns, Mich.**
**Noll Bros. (Spring & Spike), 849 Allis, Milwaukee, Wis.**
Ohio Cultivator Co., Bellevue, O.
Oliver Iron & Steel Co., S 10th & Muriel, **Pittsburgh, Pa.**
Pittsburgh Rivet Co. (Round & Square Steel), 38th & Junction R. R., Pittsburg, Pa.

## Teeth (Hay Rake)

**See Teeth, Rake & Tender**

## 14901—Teeth (Rake & Tedder)

**American Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsburgh, Pa.**
Bogert & Hopper Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Cambria Steel Co., Widener bldg, Phila., **Pa.**
Estes E. B. & Sons (Rake), 364 5th av, New York. *See adv index at end of book*
**Harrow Spring Co. (Rake Teeth), Milwaukee, Wis.**
Henry & Allen, Auburn, N. Y.
Herschel R. Mfg. Co., Peoria, Ill.
**Mason F. C. & Co., St. Johns, Mich.**
Whitaker Mfg. Co., 409 S Green, Chicago, **Ill.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 14902— Teeth (Scarifier)

Alloy Steel Forging Co., Carnegie, Pa.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.

## 14903—Teeth (Steam Shovel & Dredge)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Cupples Adjustable Tooth Co. ("Cupples" Adjustble), Tyrone, Pa.
**Taylor-Wharton Iron & Steel Co., High Bridge, N. J.**

## 14904— Teeth (Thresher)

**Christian Jno. Mfg. Co., San Jose, Cal.**
Henry & Allen, Auburn, N. Y.
**Rhode Island Tool Co. (Steel), Providence, R. I.**
Rumely Leo Tractor Co., La Porte, Ind.
**Transue & Williams Steel Forging Corp. (Drop Forged), Alliance, O.**

## 14905— Teeth (Two-Part)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.

## 14906-7— Teeth (Weeder)

Babcock Mfg. Co., Leonardsville, N. Y.
Cambria Steel Co., Widener bldg, Phila., Pa.
Harrow Spring Co., Milwaukee, Wis.

## 14908—Telegraph Apparatus

American Thermophone Co. (Two Station Commercial Telephone & Isometric Systems), 116 Bedford, Boston, Mass.
**Bunnell J. H. & Co. ("Duplex" & "Quadruplex"), 32 Park pl, New York**
Cardwell Allen D. (Automatic & Radio), 251 W 19th, New York
Jester-Cooper Co., Houston, Texas
Kleinschmidt Elec. Co., 36 Flatbush av ext, Brooklyn, N. Y.

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THE McNAB COMPANY, Bridgeport, Conn., U. S. A.

**McNAB CO.** ("McNab" Indicating), Bridgeport, Conn.
*See adv index at end of book*
**Pearce Fred'k Co., 20 Rose, New York**

### Telegraph Poles

See Poles, Various Kinds; also Ties, Poles & Posts

### 14908a— Telegraphic Instruments (Radio)

Cardwell Allen D., 251 W 19th, New York
Cutting & Washington Radio Corp., 6 & 8 W 48th, New York
*See adv index at end of book*
Radio Corporation of America, 33 Broadway, New York

### 14909— Telegraphs (Ship)

Henschel Chas J & Co Inc. (Mechanical), 111 Dobbin, Brooklyn, N. Y.
Horne Mfg. Co., 4 College pl, Brooklyn, N. Y.
Laughlin Thos. Co. (For Engine Room), Portland, Me.
McNab Co., Bridgeport, Conn.
*See adv index at end of book*
Marine Mfg. & Supply Co., 158 South, New York

### 14910— Telephone Arms

Holtzer-Cabot Electric Co. ("Equipoise"), 125 Amory, Boston, Mass.
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### 14911-2— Telephone Booths

See also Telephone Cabinet Work with the word "Booths" Following their Names
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*

### Telephone Boxes

See Telephone Cabinet Work with the word "Boxes" Following their Names

### 14913—*Telephone Brackets (Adjustable)

Eureka Blotter Bath Co. (Eureka Extension), 6221 Wentworth av, Chicago, Ill.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O.; 68 N Washington, Chicago, Ill. *See adv index at end of book*

### 14914—Telephone Cabinet Work

Acme Cabinet Co. ("Acme" Folding Door, Booth, etc.), 116 W 32d, New York
Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*
Bauerle & Stark Co. (Boxes, etc), 1147 W Ohio, Chicago, Ill.
Brownell C. H. ("Altick" Folding Booths, etc), Peru, Ind.
Cadwell-Vernon Co. (Booths), Jamestown, N. Y.
Churchill Cabinet Co. (Boxes, etc), 2119 Churchill, Chicago, Ill.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
**DAHLSTROM METALLIC DOOR CO.** (Hollow Metal Booths), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Evans W. L. (Vanishing Door Booths), Washington, Ind.
Findeisen & Kropf Mfg. Co., 2559 W 21st, Chicago, Ill.
French Cabinet Co. (Booths), Metropolitan av nr Flushing av, Brooklyn, N. Y.
Heyden F. (Boxes, etc.), 517 N Halsted, Chicago, Ill.
Jordan Cabinet Wks. (Boxes, etc), 129 Degraw, Brooklyn, N. Y.
Palen's H. W. Sons (Fine Cabinet Finish), Kingston, N. Y.
Seaman W. S. Co. (Booths & Supplies), 480 Virginia, Milwaukee, Wis.
Sewing Machine Cabinet Co. (On Order), Bridgeport, Conn.
Standard Cabinet Mfg. Co., Peru, Ind.
Telephone Service Seat Cabinet Co., Phelan bldg, San Francisco, Cal.
Western Electric Co. (Booths, etc), 463 West, New York
Wisconsin Chair Co. (Boxes, etc), Port Washington, Wis.
Yesbera Mfg. Co. (Booths, etc), Toledo, O.

### 14915—Telephone Cleats & Staples

**DELAWARE HARD FIBRE CO.** (Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Titchener E. H. & Co., Binghamton, N. Y.
**WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del.**
*See adv index at end of book*

### 14916—Telephone Cushions (Pneumatic)

Huron Rubber Co., Cleveland, O.

### 14917—Telephone Desk Stands

Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Western Electric Co., 463 West, New York

### Telephone Holders

See Brackets, Desk, Telephone

### 14918— Telephone Knobs

Scranton Button Co. (Lacavite), Scranton, Pa.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### 14919—Telephone Meters or Registers

Gray Telephone Pay Station Co., Hartford, Conn.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### 14920—Telephone Mouthpieces

Rubber, Composition & Hard Fibre; see also Porcelain Specialties, Electrical, etc
American Electric Co. (Glass, "Germproof" Porcelain "Burns"), 6401 S State, Chicago, Ill.
American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works, Auburn, N. Y.
Electrose Mfg. Co. (Composition), 70 Washington, Brooklyn, N. Y.
General Insulate Co. ("Insulate," "Seamless"), 1008 Atlantic av, Brooklyn, N. Y.
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp., 25 W 45th, New York
Schneider J. S. (Glass), Ridgefield, Conn.
Scranton Button Co. (Lacavite), Scranton, Pa.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Stromberg-Carlson Telephone Mfg. Co. (Rubber, Composition & Glass), Rochester, N. Y.
*See adv index at end of book*
Vulcanized Rubber Co., 251 4th av, New York

### 14921— Telephone Parts

Oakes Co. (Stamped), Indianapolis, Ind.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Western Electric Co., 463 West, New York
Worcester Pressed Steel Co., Worcester, Mass.

### 14922—Telephone Pole Changer

Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### Telephone Poles

See Poles, Various Kinds; also Ties, Poles & Posts

### 14923—Telephone Protectors

Central Telephone & Electric Co., 316 N 11th, St. Louis, Mo.
Cook Frank B. Co. ("Cook"), 326 W Madison, Chicago, Ill.
D. & W. Fuse Co., Hathaway, Providence, R. I.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Lafayette Electric & Mfg. Co., Lafayette, Ind.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### 14924—Telephone Receiver Shells

American Enamel Co., Providence, R. I.
American Hard Rubber Co., 9 Mercer, New York
Auburn Button Works, Auburn, N. Y.

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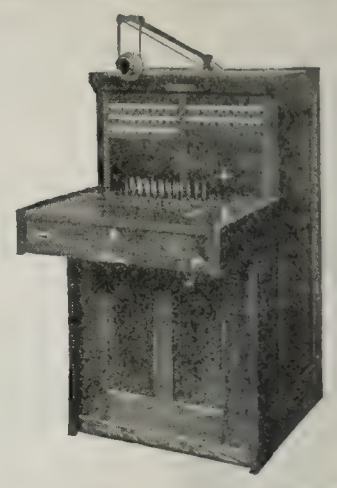


TELEPHONE RECEIVER SHELLS—continued.

Dickinson Mfg. Co., Springfield, Mass.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
General Insulate Co. ("Insulate"), 1008 Atlantic av, Brooklyn, N. Y.
Hemming Mfg. Co., Garfield, N. J.
International Insulating Corp., 25 W 45th, New York
Murdock W. J. Co., Chelsea, Mass.
Scranton Button Co. (Lacavite), Scran-Pa.
Siemon Hard Rubber Corp., Bridgeport, Conn.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Vulcanized Rubber Co., 251 4th av, New York

### 14925—Telephone Receivers

American Hard Rubber Co., 9 Mercer, New York
Automatic Electric Co. ("Pioneer"), 1001 W Vanburen, Chicago, Ill.
Central Telephone & Elec. Co., 310 N 11th, St. Louis, Mo.
Hemming Mfg. Co., Garfield, N. J.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
International Insulating Corp., 25 W 45th, New York
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Long Distance Telephoning Mfg. Co., South Bend, Ind.
Murdock W. J. Co., Chelsea, Mass.
Novelty Electric Co., 50 N 4th, Phila., Pa.
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Western Electric Co., 463 West, New York

### 14926—Telephone Relay Shells

Cassady Fairbank Mfg. Co., 6126 Lasalle, Chicago, Ill.

### 14927—Telephone Ringing Apparatus

Butler Edwards Electric Co., Easton, Pa.
Leich Electric Co., Genoa, Ill.
Roth Bros. & Co., 1400 W Adams, Chicago, Ill.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### 14928—Telephone Testing Sets

Holtzer-Cabot Electric Co. (Lineman's), 125 Amory, Boston, Mass.
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### 14929—Telephone Transmitter Arms

Columbia Wire & Iron Works (Extension Telephone Arms), 1933 W Lake, Chicago, Ill.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Rex Mfg. Co., Corry, Pa.
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Western Electric Co., 463 West, New York

### 14930—Telephone Transmitters

Andrae Julius & Sons Co., 362 Broadway, Milwaukee, Wis.
Boissonnaute G. Co. ("Micropho" Super Sensitive), 26 Cortlandt, New York
Connecticut Telephone & Electric Co. Meriden, Conn.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Leich Electric Co., Genoa, Ill.
Long Distance Telephone Mfg. Co., South Bend, Ind.
Moore's Telephone System, Caro, Mich.
Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Tel. Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### Telephone Woodwork

See Telephone Cabinet Work

### 14931—Telephones (Automatic)

Automatic Electric Co., 1001 W Vanburen, Chicago, Ill.
Boissonnault G. Co. ("Micropho"), 26 Cortlandt, New York
Couch S. H. Co. (Couch "Autophone"), Norfolk Downs, Mass.
North Electric Mfg. Co., Galion, O.
Stanley & Patterson, Inc., 23 Murray, New York
Stentor Elec. Mfg. Co., 68 Hunters Point av, New York

### 14932—Telephones (Automobile)

Boissonnault G. Co. ("Micropho"), 26 Cortlandt, New York
Conn. Telephone & Electric Co., Meriden, Conn.
Taylor H. D. Co., 103 Oak, Buffalo, N. Y.

### 14933—Telephones (Interior)

Automatic Electric Co. (Automatic Inter-Communication), 1001 W Van Buren, Chicago, Ill.
Boissonnault G. Co. ("Micropho"), ("Also Loud Talking), 26 Cortlandt, New York
Callophone Co. of New York (Loud Speaking), 151 Grand, New York
Century Telephone Construction Co., Buffalo, N. Y.
Connecticut Telephone & Electric Co., Meriden, Conn.
Couch S. H. Co., Quincy, Mass.
Direct Line Telephone Co. ("Direct Line" Secret Service), 450 Broome, New York
Garl Electric Co., Akron, O.
Hepburn Telephone Mfg. Co., 325 S Dearborn, Chicago, Ill.
Holtzer-Cabot Electric Co. (Also for Schools & Apartment Houses), 125 Amory, Boston, Mass.
Kelley Electric Co., 120 Opera pl, Cincinnati, O.
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
National Dictagraph Co. ("Turner" Intercommunicating), 220 W 42nd, New York
North Electric Mfg. Co., Galion, O.
Partrick & Wilkins Co., 51 N 7th, Phila., Pa.
PETTES & RANDALL CO., 150 Nassau, New York
Screw Machine Products Co. ("Slect-O-Phone"), 1012 Eddy, Providence, R. I.
Stanley & Patterson, Inc., 23 Murray, New York
STROMBERG-CARLSON TELEPHONE MFG. CO. (Intercommunicating), Rochester, N. Y.
*See adv index at end of book*
Winkler & Reichmann, 5 S Wabash av, Chicago, Ill.

### 14934— Telephones (Mine)

Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Stanley & Patterson, Inc., 23 Murray, New York
STROMBERG-CARLSON TELEPHONE MFG. CO. ("Mine-a-Phone" System), Rochester, N. Y.
*See adv index at end of book*
Western Electric Co., 463 West, New York

### 14935—Telephones (Pendant)

Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### 14936—Telephones (Portable)

Stanley & Patterson, Inc., 23 Murray, New York
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

### 14937—Telephones & Apparatus

See also Switchboards, Telephone

Ackerman Telephone Co., 631 W Jackson, Chicago, Ill.
American Electric Co. ("Samson," "American"), 6401 S State, Chicago, Ill.
Andrae Julius & Sons Co., 362 Broadway, Milwaukee, Wis.
Archer Geo. F. (Celebrated Automatic, Intercommunicating), 10 E 43d, New York
Augusta Elec. Corp., Augusta, Ill.
Augusta Mutual Telephone Co., Augusta, Ill.
Automatic Electric Co., 1001 W Vanburen, Chicago, Ill.
Bainbridge Electrical Co., 1613 Samson, Phila., Pa.
B. R. Electric Co., Kansas City, Mo.
Boissonnault G. Co. ("Micropho"), 26 Cortlandt, New York
Bridgeport Electric Products Co. (The), ("Crown" for Factories, Hotels, etc), Bridgeport, Conn.
Central Telephone & Elec. Co., 310 N 11th, St. Louis, Mo.
Century Telephone Const. Co., Buffalo, N. Y.

Chicago Telephone Supply Co., Elkhart, Ind.
Connecticut Telephone & Electric Co. (Inc.) (Interior & Long Distance), Meriden, Conn.
Cook Frank B. Co., 326 W Madison, Chicago, Ill.
Couch S. H. Co., Quincy, Mass.
Direct Line Telephone Co., 450 Broome, New York
Elston Tel. & Mfg. Co., Muscoda, Wis.
General Acoustic Co., 220 W 42nd, New York
Henschel Chas. J. & Co. Inc. (Marine), 111 Dobbin, Brooklyn, N. Y.
Hepburn Telephone Mfg. Co., 325 S Dearborn, Chicago, Ill.
Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
Inland Electric Co., 211 Chestnut, St. Louis, Mo.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
King Elec. Co., Canton, Ohio
Kusel Telephone & Electric Supply Co., Olive, St. Louis, Mo.
Lafayette Electric & Mfg. Co., Lafayette, Ind.
Leich Electric Co. ("Leich" Automaphone), Genoa, Ill.
Loeffler Louis J., 20 Fulton, New York
Manhattan Electrical Supply Co., 17 Park pl, New York
*See adv index at end of book*
Marvin W. B. Mfg. Co., Urbana, O.
Menominee Elec. Mfg. Co., Menominee, Mich.
Minnesota Electric Co., 309 2nd av S, Minneapolis, Minn.
Modern Electric Co., Burlington, Ia.
Monarch Telephone Mfg. Co., Ft. Dodge, Ia.
Musolaphone Corp., 46 W B'way, New York
National Cash Register Co., Dayton, O.
National Telegraphone & Supply Co., El Paso, Tex.
North Elect. Mfg. Co., Galion, O.
Rhode Island Telephone & Electric Co., 55 Pine, Providence, R. I.
Russell Electric Co., Danbury, Conn.
Samson Elec Co., 146 Samson, Canton, Mass.
Screw Machine Products Co. ("Select-O-Phone"), 1012 Eddy, Providence, R. I.
Signalphone Alarm Co., Milwaukee, Wis.
Simplex Interior Telephone Co., 217 E 3d, Cincinnati, O.
Spencer Electrical Co., 163 Greenwich, New York
Spielman Electric Co. ("Seco"), 1931 B'way, New York
Standard Telephone Repair Co., 521 N Crawford, Chicago, Ill.
Stanley & Patterson, Inc. (Automatic Switchless), 23 Murray, New York
Stoddard Tel. Const. Co., Monroe, Mich.
**STROMBERG - CARLSON TELEPHONE MFG. C.,** (& Construction Material), Rochester, N. Y.
*See adv index at end of book*
Swedish-American Telephone Mfg. Co., 5235 Ravenswood av, Chicago, Ill.
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Western Elec. Co., 463 West, New York.
Winkler & Reichmann, 5 S Wabash av, Chicago, Ill.

## 14938— Telescopes

Abel & Bach Co., Milwaukee, Wis.
Adams J. Q., 22 N May, Chicago, Ill.
Bausch & Lomb Optical Co. (Observation, etc), Rochester, N. Y.
Belber Trunk & Bag Co., 1641 N Hancock, Phila., Pa.
Clark, Alvan & Sons Corp. (Astronomical), Cambridge, Mass.
Diamond, Nicholas & Co., 616 W Adams, Chicago, Ill.
Fibre Case & Novelty Co., 274 Church, New York
Goerz C. P. American Optical Co., 317 E 34th, New York
Gundlach Manhattan Optical Co., Rochester, N. Y.
Hartmann Trunk Co, Racine, Wis.
Headley & Farmer Co., Newark, N. J.
Leeds & Northrup Co. (Reading), 490 Stenton av, Phila., Pa.
Mogey W. & D., Plainfield, N. J.
Scheidig John & Co. (Imp.), 32 Maiden la, New York
Seitz J. H. & Son, 414 Brown, Phila., Pa.
Spencer Lens Co., Buffalo, N. Y.
Spencer Optical Co. (Imp.), 7 Maiden la, New York ..
Stevens J. Arms Co. (Rifle), Chicopee Falls, Mass.
Sussfeld, Lorsch & Co. (Imp.), 90 Maiden la, New York
Warner & Swasey Co. (Astronomical, etc.), 5809 Carnegie av, Cleveland, O.
Warren Leather Goods Co., Worcester, Mass.

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Fisher & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
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Strong Carlisle & Hammond Co. ("Strong"), 336 Frankfort av, N W, Cleveland, O.

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Mackay A. D. (Oxide, Nitrate & Metal), 130 Pearl, New York

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**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
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**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

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Richmond Mfg. Co. ("Niagara"), Lockport, N. Y.

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Graver Wm. Tank Works, East Chicago, Ind. *See adv index at end of book*
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book.*
Kraft A. C., 323 W Lake, Chicago, Ill.
Manitowoc Engineering Works, Manitowoc, Wis.
Stolz Jos. & Son Inc., 841 E 136th, New York

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American Metal Treatment Co., Elizabeth, N. J.
**BARNES THE WALLACE CO.,** 18 Wallace, Bristol, Conn.
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Cary Spring Works ("Cary"), 240 W 29th, New York
**KNAPP ARTHUR, ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
Myall-Wallace Co., 17 E Austin av, Chicago, Ill.
Sterling Drop Forge Works, 112 N La Salle, Chicago, Ill.
Vincent Steel Process Co. ("Vincent." Process), 751 Bellevue av, Detroit, Mich.

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**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane blvd, Buffalo, N. Y.
*See adv index at end of book*

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## 14946— *Templet

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*See adv index at end of book*
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## 14947— *Templet Material

See also Boards, Templet
Also Lumber, Templet

**UNION PAPER & TWINE CO.,** 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane blvd, Buffalo, N. Y.
*See adv index at end of book*

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Baumgartner Eugene, 835 W 50th, Chicago, Ill.
Horsman E. I. Co., 11 Union Square, New York
Kinsella Walter A. Co. (Imp.), 304 Madison av, New York
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Fitzgerald Mfg. Co., Torrington, Conn.
Francis-Rand Co., Erie bldg, Cleveland, O.
Herz Co., 245 W 55th, New York
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Shain Chas. D., Station L, Brooklyn, N. Y.
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See Roofing Tile, Terra Cotta

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Italian Mosaic & Marble Co., Buffalo, N. Y.
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Northwestern Marble & Tile Co., 27th av & S 27th, Minneapolis, Minn.
Roman Mosaic & Tile Co., Inc., 435 Green, Phila., Pa.
Schenectady Tile Co., Schenectady, N. Y.
Shipway John H. & Bro., Locust av & 136th, New York
Standard Mosaic Tile Co., 525 S Peoria, Chicago, Ill.
Toscani Jno. L. Co., 930 E 178th, New York
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Whitestone Marble Co., Atlanta, Ga.

### 14968—Terrazzo (Wholesale)

Jackson C. D. & Co. (Imp.), 105th & E. R., New York
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*See adv index at end of book*

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*See adv index at end of book*
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*See adv index at end of book*
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### 14977-8— Testers (Egg)

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Rigling Wm. Egg Tester & Mfg. Co., Hamilton, O.

### Testers (Flash Point Oil)

See Testers, Oil

### 14979— Testers (Fuse)

Electric Specialty Co. ("Addie"), Cresco, Iowa

### 14980— *Testers (Gauge)

Schaeffer & Budenberg Mfg. Co., Berry & S 5th, Brooklyn, N. Y.
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### 14981— Testers (Grain)

See also Scales, Grain Testing

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Buffalo Scale Co. (Inc.) ("Buffalo"), 1205 Niagara, Buffalo, N. Y.
Caldwell H. W. & Son Co. ("Caldwell"), 17th & Western av, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Seed Trade Reporting Bureau, Postal Telegraph bldg, Chicago, Ill.
Standard Scale & Supply Co. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa. *See adv index at end of book*
Success Seed Grader Co., E 1027 Marietta av, Spokane, Wash.

### Testers (Ham)

See Tryers, Ham

### 14982— Testers (Hoof)

Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.

### Testers (Milk)

See Testers, Creamery

### 14983— Testers (Mine Gas)

Quimby Engng. Co., 450 N 10th, Phila., Pa.

### 14983a— Testers (Oil)

Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Central Scientific Co., 460 E Ohio, Chicago, Ill.
Daigger A. & Co., 54 W Kenzie, Chicago, Ill.
Eimer & Amend, 205 3d, New York
Tagliahue C. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.

### 14984— Testers (Paper)

See also Testing Machines, Paper

Ashcroft Mfg. Co., 119 W 40th, New York
Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
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Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Perkins B. F. & Son ("Mullen"), Holyoke, Mass.
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### 14987—Testers (Sulphur & Naphthalene)

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### 14989—Testing Apparatus (Water Meter)

**BUFFALO METER CO.** ("American"), 2921 Main, Buffalo, N. Y.
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### 14990—Testing Instruments & Meters (Electrical)

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*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Also Measuring), East Pittsburgh, Pa.
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### Testing Machine Mfrs.

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### 14991—Testing Sets (Electrical)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
National Electric Specialty Co. ("Vac-M" For Lightning Arresters), Toledo, Ohio
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
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### 14991a— Tetrachlorethylene

Dow Chemical Co., Midland, Mich.

### 14992— Tetrachloride of Tin

Bower Henry Chemical Mfg. Co., 29th & Gray's Ferry rd, Phila., Pa.
General Chemical Co., 25 Broad, New York
Metal & Thermit Corp., 120 Broadway, New York *See adv index at end of book*
Republic Chemical Co. Inc., Neville Island, Pittsburgh, Pa.

CONSULT THE
**Official American Textile Directory**
for Manufacturers of and Dealers in Textile Machinery and Supplies. Further information on request. Price, $3.00.
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### 14993—Textile Machinery, Supplies, Etc.

NOTE.—For various kinds of Textile Machinery, Textile Mill Supplies, etc., see also sub-classifications of this head, following in regular alphabetical order. If you fail to find any particular article you are looking for classified here, consult the index of Contents. If not then successful in locating it, drop us a line, describing article required, and we will, free of charge, use our best efforts to look it up for you.

Southern Textile Machinery Co., Greenville, S. C.
Wilson Co., Greenville, S. C.

### 14994— Agers (Aniline)

Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

### 14995—Apron Leather (Rawhide)

Coupe Wm. Co. (Ltd.), ("Excelsior"), S Attleboro, Mass.

### 14996—Apron Leather (Worsted)

Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Coupe Wm. Co. (Ltd.) ("Excelsior"), S Attleboro, Mass.
Foulds I. & Son, Hudson, Mass.
Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.

### 14997— Aprons (Endless)

Barlow Jno. W. Co., Lawrence, Mass.
Boston Belting Co., 84 Linden Park, Boston, Mass.
Harwood Geo. S. & Son, Exchange bldg, Boston, Mass.
LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.

### 14998— Aprons (Loom)

Pease L. F. Co., 7 Crawford, Providence, R. I.

### 14999—Aprons (Worsted Combing)

American Multiple Fabric Co., 183 Hartford av, Providence, R. I.
Barlow Jno. W. Co., Lawrence, Mass.

Barnes Henry K. Co., 234 Devonshire av, Boston, Mass.
Coupe Wm. Co. (Ltd.) ("Excelsior"), S Attleboro, Mass.
Harwood Geo. S. & Son, Exchange bldg, Boston, Mass.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Norwich Belt Mfg. Co., Norwich, Conn.
Parr Wm. & Son, Lowell, Mass.
Pechin Belting Co. (Chrome & Oak), Fairmount & Front, Phila., Pa.

### 15000— Bale Breakers

Firth Wm. ("Asa Lees & Co.," Ltd.), 200 Devonshire, Boston Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.

### 15001— Ball Winding Machines

FRANKLIN MACHINE CO., 1 Park, Providence, R. I.
*See adv index at end of book*
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.

### 15002— Balling Machines

Curtis & Marble Machine Co., Worcester, Mass.
Draper Corp., Hopedale, Mass.
Entwistle T. C. Co., Lowell, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, Boston, Mass.
Smith Jas. Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.
Torrance Mfg. Co., Harrison, N. J.

### 15003—Band Folding & Cutting Machines

Firshing John A.. Utica, N. Y.

### 15004—Bandage Splitting & Rolling Machines

Curtis & Marble Machine Co., Worcester, Mass.

### 15005— Banding Machines

Draper Corp., Hopedale, Mass.
Empire Weaving & Belting Corp., East Rochester, N. Y.
Smith Drum & Co. (Wrap), Allegheny av & 5th, Phila., Pa.

### Bands (Hosiery)

See Hosiery Bands

### 15006— Beamers

Altemus Jacob K., 2824 N 4th, Phila., Pa.
Atwood Machine Co., Stonington, Conn.
Cocker Machine & Fdry. Co., Gastonia, N. C.
Crompton & Knowles Loom Works Worcester, Mass.
Eastwood Benj. Co., Paterson, N. J.
Entwise T. C. Co., Lowell, Mass.
Globe Machine & Foundry Co., Church & Tackawanna, Phila, Pa.
Hughes & Russum, Oxford & Hodge, Phila., Pa.
Knapp, C. H., Paterson, N. J.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.
Smith Jas. Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.

### 15007— Beaming Rathes

Walker Mfg. Co., Kensington & Ontario, Phila., Pa.

### 15008-9— Belt Hole Guards

Draper Corp., Hopedale, Mass.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*

### 15010— Bleaching Machinery

Arlington Machine Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Empire Laundry Machinery Co., 352 Western av, Boston, Mass.
Holyoke Machine Co., Holyoke, Mass.
Hunt Rodney Machine Co., Orange, Mass.
Hussong Dyeing & Machine Co., Groveville, N. J.
Klauder-Welden Dyeing Machine Co., Yardley, Pa.
Phila. Drying Machinery Co., 3351 Stockley, Phila., Pa.
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Utica Novelty & Mill Specialty Co., Utica, N. Y.
Watson Machine Co., Paterson, N. J.
Winsor & Jerauld Mfg. Co., 223 Harrison, Providence, R. I.

### 15010a— Blocks (Ribbon)

Allentown Reed Harness & Mill Supply Co., Allentown, Pa.
Hoffman J. C. Inc., 2595 3rd av, New York

### 15011— Bluing Machines

Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

### 15012— Bobbin Boxes

Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
Standard Fibre Co. (Fibre), Miller st, Somerville, Mass.

### 15013— Bobbin Holders

Draper Corp. ("MacColl," "Lawrence," "Rhoades"), Hopedale, Mass.
Murdock & Geb Co. ("Murdock" for Mules, Winders & Twisters), Franklin, Mass.
Roney & Rae Co. ("Little Giant"), Woonsocket, R. I.

### 15013a— Bobbin Printing Machines

Blandin Co., Lawrence, Mass.

### 15014— Bobbin Rings

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 15015— Bobbin Winders

Altemus Jacob K., 2824 N 4th, Phila., Pa.
Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.
Johnson & Bassett, Worcester, Mass.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.
R. I. Braiding Machine Co., 228 Aborn, Providence, R. I.
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.
Textile Machine Works, Reading, Pa.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

### 15016— Bobbins

Allentown Bobbin Works (Fibre Head & All Wood), Allentown, Pa.
American Supply Co., 135 Washington, Providence, R. I.
Atwood, Crawford Co., Pawtucket, R. I.
Avoca Mfg. Co., Avoca, N. Y.
Baldwin Jas. Co., Manchester, N. H.
Billington Jos. H. Co., 113 Chestnut, Phila., Pa.
Bogert & Hopper, Inc. (Filler Stick), 57 Barclay, New York
*See adv index at end of book*
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Clover Leaf Mfg. Co., Carbondale, Pa.
Continental Fibre Co. (Coil), Newark, Del.
*See adv index at end of book*
Courtney D. S., Co., Chicopee, Mass.
Crandall G. H. Co. (Winder), Cohoes, N. Y.
Dudley S. A., Taunton, Mass.
Eaton Hy. A. & Son, Littleton, N. H.
Estes F. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Excelsior Bobbin & Spool Co., Newtown, Pa.
Fall River Bobbin & Shuttle Co., Fall River, Mass.
Fall River Foundry & Machine Co., Fall River, Mass.
Frost Geo. T. & Sons, Paterson, N. J.
Hall I. A. & Co., Paterson, N. J.
Hamilton Bros. Co., Goffstown, N. H.
Hartford Machine Screw Co. Sewing Machine), Hartford, Conn.
Hartson L. M. Co. (Iron, Fibre & Wood Heads), North Windham, Conn.
Jordan Mfg. Co., Monticello, Ga.
Keystone Bobbin Works Ltd. (Silk), Allentown, Pa.
Leigh & Butler ("Wilson Bros."), 232 Summer, Boston, Mass.
Macordi Fibre Co. (Fibre), Woonsocket, R. I.
Moore C. C., Lisbon, N. H.
Mossberg Frank Co. (Stamped Steel), Attleboro, Mass.
Nashua Spool & Bobbin Co. (All Kinds), Grove Hall Station, Boston, Mass.
Orleans Bobbin Works, Newport, Vt.
Parker Spool & Bobbin Co. (Warp, Filling, Twisters & Speeders), Lewiston, Me.
Payne Geo. W. & Co. (Hosiery Winder), Pawtucket, R. I.
Potter Bros., South Scituate, R. I.
Shelburne Mfg. Co. (In the Rough & Finished), Shelburne, N. H.
Speed & Stephenson (Wilson & Co., Barnsley (Ltd.), 170 Summer, Boston, Mass.
Sprague L. Co., Lawrence, Mass.
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Sweet & Doyle, Cohoes, N. Y.
Tebbetts E. L. Spool Co., Locke Mills, Me.
Tompkins Bros. Co. (Winder), Syracuse, N. Y.
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
Van Riper Mfg. Co., Paterson, N. J.
Vermont Spool & Bobbin Co., Burlington, Vt.
Weld Bobbin & Spool Co., 42 Island, Lawrence, Mass.
Whitefield Mfg. Co., Whitefield, N. H.
Williams J. H. Co., Millbury, Mass.
Wilmington Fibre Specialty Co. (Coil), Wilmington, Del.
*See adv index at end of book*
Woodstock Mfg. Co. (Heavy for Rope & Cordage, etc), Charleston, S. C.
Young Chas. A., Easton, N. H.

### 15017— Boxes (Comber)

National Fibre & Insulation Co., Yorklyn, Del.
Standard Fibre Co. (Fibre), Miller st, Somerville, Mass.

### 15018—Boxes (Drawing & Roving)

Riley C. E. Co., 161 Devonshire, Boston, Mass.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
Saco-Lowell Shops (Worsted), 77 Franklin, Boston, Mass.
Speed & Stephenson, 170 Summer, Boston, Mass.
Wilson Andrew Co. (Metallic), 616 Essex, Lawrence, Mass.
*See adv index at end of book*

### 15019— Boxes (Mill)

American Vulcanized Fibre Co. ("Laminar" Dept.), 504 Equitable bldg., Wilmington, Del.
Diamond State Fibre Co. (Fibre), Bridesport, Pa.
Keystone Fibre Co., Yorklyn, Del.
National Fibre & Insulation Co. (Fibre), Yorklyn, Del.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
Wilson Andrew Co. (Metallic), 616 Essex, Lawrence, Mass.
*See adv index at end of book*

### 15020-1— Boxes (Steam)

Leslie, Elliott & Co., Paterson, N. J.
McNamara Bros. Co., Westport, Baltimore, Md.
Scannell Boiler Works, Lowell, Mass.
Smith Samuel & Son Co., Paterson, N. J.
Watson Machine Co., Paterson, N. J.

### 15022—Braid Calendering Machines

Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.

**15022a—Braid Measuring Machines**
**Textile Machine Works, Reading, Pa.**

15023— Braid Rolling Machines
Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.

15024—Breaking Machines (Hard Waste)
Curtis & Marble Machine Co., Worcester, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.

15025— Breasts (Metallic)
**Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.**
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

15026— Brushes (Mill)
Bradley & Smith, 251 Pearl, New York
Cocker Weber Brush Co., 10th & Spring Garden, Phila., Pa.
Felton D. D. Brush Co., Atlanta, Ga.
Felton S. A. & Son Co., Manchester, N. H.
Gaump B. F. Co., 431 S Clinton, Chicago, Ill.
Jacobus A. G. Sons, Verona, N. J.
Lahue M. M. & Co., Lowell, Mass.
Mason Brush Works, Worcester, Mass.
Milwaukee Brush Mfg. Co., Milwaukee, Wis. *See adv index at end of book*
Nebes David, Lowell, Mass.
North Chelmsford Machine & Supply Co. (Comb & Machine), North Chelmsford, Mass.
Parks & Woolson Machine Co., Springfield, Vt.
Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.
Rhode Island Brush Co., 50 Daniel av, Providence, R. I.
Turner J. S. Mfg. Co. (Comp & Machine), Lowell, Mass.
Voelker Philip L., 2 Bucklin, Providence, R. I.
Woonsocket Brush Co., Woonsocket, R. I.

15027— Burling Irons
American Supply Co., 135 Washington, Providence, R. I.

15028— Burr Blades
Cooper Chas. (Est. of), Bennington, Vt.
Crane Mfg. Co., Lakeport, N. H.
Tompkins Bros. Co., Syracuse, N. Y.

15029— Burring Machines
Brown Cotton Gin Co., New London, Conn.
Curtis & Marble Mach. Co. (Wool), Worcester, Mass,
Hemingway Machine Co., Lynn, Mass.
Lombard Machine Co. (Steel Ring), Worcester, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
**Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.**
Smith & Furbush Machine Co. ("Proctor"), Hancock & Somerset, Phila., Pa.

Calendering Machines
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15030—Calico Printers' Machinery
Arlington Mach. Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Waldron Jno. Co., New Brunswick, N. J.

15031— Cans (Cotton)
National Fibre & Insulation Co., Yorklyn, Del.
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.

15032— Cans (Drying)
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.

15033— Cans (Dye House)
Hill James Mfg. Co. (Galvanized Iron), 52 Westfield, Providence, R. I.

15034— Cans (Mill)
Clark W. J. Co., Salem, O.
N. E. Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
Wilson Andrew Co. (Metallic), 616 Essex, Lawrence, Mass.
*See adv index at end of book*

15035— Carbonizers
Birch Bros., Somerville, Mass.
Buhlmann A. W., 200 5th av, New York
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., N Adams, Mass.
Hussong Dyeing & Machine Co., Groveville, N. J.
Lord, Bowler & Co., 33 Center, Cleveland, Ohio
Philadelphia Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
Proctor & Schwartz Inc. ("Proctor" Wool & Rag), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Sargent's C. G. Sons Corp., Graniteville, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

15036— Card Attachments
Rushton-Carroll Co. ("Rushton-Carroll." Under Grid), 34 Tudor, Cambridge, Mass.
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.

15037— Card Clothing
American Card Clothing Co., Worcester, Mass.
Ashworth Bros., Fall River, Mass.
Bagshaw W. H. Co., Lowell, Mass.
Bates E. V. Machine Co., Lowell, Mass.
Booth Benj. & Co. (Ltd.), 1717 N Bodine, Phila., Pa.
Buhlmann A. W., 200 5th av, New York
Charlotte Mfg. Co., Charlotte, N. C.
Crabb Wm. & Co., 3d av, Newark, N. J.
Davis & Furber Machine Co., N Andover, Mass.
Firth Wm. (Joseph Sykes Bros. & Watson Bros.), 200 Devonshire, Boston, Mass.
Howard Bros. Mfg. Co., Worcester, Mass.
Leigh & Butler ("Joseph Sykes Bros." & "Critchley's"), 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Speed & Stephenson ("S. Halley & Son," Ltd.), 170 Summer, Boston, Mass.

15038— Card Cutting Machines
Royle John & Sons (Jacquard), Paterson, N. J.

15039—Card Grinding Machines
Barker James, 6th & Cayuga, Phila., Pa.
Entwistle T. C. Co., Lowell, Mass.
Firth Wm. (Dronsfield), 200 Devonshire, Boston, Mass.
Leigh & Butler ('Dronsfield Bros."), 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Riley C. E. Co. (Mfrs.' Agts.), 161 Devonshire, Boston, Mass.
Roy B. S. & Son Co., Worcester, Mass.
**Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.**
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.

15040— Card Middles
Mac-Sim-Bar Paper Co., Otsego, Mich.
**Thames River Specialties Co., Uncasville, Conn.**

15041—Card Repeaters (Jacquard)
Halton's Thos. Sons, Allegheny av & C, **Phila., Pa.**

15042—Card Stitching Machines (Jacquard)
Singer Sewing Machine Co., 149 B'way, **New York**

15043— Card Stretchers
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, **Phila., Pa.**

15044— Carders' Tools
Roy B. S. & Son Co., Worcester, Mass.

15045— Cards (Cotton)
**Fall River Foundry & Machine Co., Fall River, Mass.**
Mason Machine Works, Taunton, Mass.
Pevey Foundry Co., Lowell, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, **Mass.**
**Smith & Furbush Machine Co. (Cotton Waste), Hancock & Somerset, Phila., Pa.**
**Watson L. S. Mfg. Co., Leicester, Mass.**
**Whitin Mach. Works, Whitinsville, Mass.**

15046— Cards (Foss & Pevey)
Fall River Foundry & Machine Co., Fall River, Mass.
Pevey Foundry Co., Lowell, Mass.
Saco-Lowell Shops (Repairs Only), 77 Franklin, Boston, Mass.

15047— Cards (Hand)
Charlotte Mfg. Co., Charlotte, N. C.
Howard Bros. Mfg. Co. ("Midgley's Stripping), Worcester, Mass.
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Watson L. S. Mfg., Leicester, Mass.

15048— Cards (Jacquard)
Case Bros., Highland Park, Conn.
Crehore Chas. F. & Sons, 87 Milk, Boston, Mass.
Lane Albert A., 73 Warren, New York
Rogers Paper Mfg. Co., South Manchester, Conn.

15049—Cards (Revolving Flat)
Firth Wm. ("Asa Lees & Co.", Ltd.), 200 Devonshire, Boston, Mass.
Mason Machine Works, Taunton, Mass.
Potter & Johnston Machine Co., Pawtucket, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, **Mass.**
**Whitin Machine Works, Whitinsville, Mass.**

15050—Cards (Steel Wire Stripper)
**Watson L. S. Mfg. Co., Leicester, Mass.**

15051—Cards (Woolen & Worsted)
**American Card Clothing Co., Worcester, Mass.**
Jefferson Edw. & Bro. (Imp.), 19 S 2d, ers), 6th & Tabor rd, Phila., Pa.
**Lombard Machine Co., Worcester, Mass.**
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.
Speed & Stephenson ("Henry Hirst & Sons" Ltd.), 170 Summer, Boston, **Mass.**
**Watson L. S. Mfg. Co., Leicester, Mass.**

15052— Carpet Machinery
Altemus Jacob K., 2824 N 4th, Phila., Pa.
**Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.**
Crompton & Knowles Loom Works (Weaving), Worcester, Mass.
**Curtis & Marble Machine Co., Worcester, Mass.**
**Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.**
Parks & Woolson Mach. Co., Springfield, Vt.
Proctor & Schwartz, Inc. ("Proctor," Dryers), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
**Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.**
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15053—Carpet Printing Machines
**Waldron Jno. Co., New Brunswick, N. J.**

15054— Carpet Rolling Machines
**Altemus Jacob K., 2824 N 4th, Phila., Pa.**
**Curtis & Marble Machine Co., Worcester, Mass.**

**15055— Chenille Machines**

Eppler's Jno. Mach. Wks., 629 Filbert, Phila., Pa.

**15056— Chinchilla Machines**

Curtis & Marble Machine Co., Worcester, Mass.
Hunter James Machine Co. (Napping or Riffing), North Adams, Mass.

**15057-8— Chroming Machines**

Haag A. W. & Co., Reading, Pa.
Phila. Drying Machy Co., 3351 Stockley, Phila., Pa.
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.

**15059—Cloth Brushing Machines**

Ardrey S. B. & Sons, Bristol, Pa.
Curtis & Marble Machine Co., Worcester, Mass.
McCreary Edw'd, Cohoes, N. Y.
Parks & Woolson Machine Co., Springfield, Vt.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Thayer P. E. & Co., Pawtucket, R. I.

**15060—Cloth Calendering Machines**

See also Calendering Machines
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass.
Dennis John Machine Co., Lowell, Mass.
Kilburn, Lincoln Machine Co., Fall River, Mass.
McCreary Edward, Cohoes, N. Y.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Terhune J. I. Machine Works, 164 Ward, Paterson, N. J.
Textile Finishing Machinery Co. (Pressure & Friction), 171 Westminster, Providence, R. I.
Utica Novelty & Mill Specialty Co., Utica, N. Y.

**15061—Cloth Cutting, Folding & Winding Machines**

Firsching John A., Utica, N. Y.
*See adv index at end of book*
Ireland Machine & Fdry. Co., Norwich, N. Y. *See adv index at end of book.*

**15062— Cloth Cutting Machines**

Artos Engineering Co. (Automatic), 348 Milwaukee, Milwaukee, Wis.
Birmingham Iron Foundry ("Schofield" Buyer's Shear), Derby, Conn.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*
Dennis John Machine Co., Lowell, Mass.
Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
Maimin H. Co. ("Maimin" Electric), 251 W 19th, New York
Osann Frederick Co., 245 7th av, New York
Smith & Winchester Mfg. Co. (Hand & Power), South Windham, Conn.
Spadone Machine Co., Inc. (for Cutting on the Bias), 126 Duane, New York
U. S. Cloth Cutting Machine Co., 414 W. B'way, New York
Universal Cutter Co. (Electric), 4567 Scott av, St. Louis, Mo.
Wildman Mfg. Co. (Electric), Norristown, Pa.

**15063—Cloth Expanders.(Mycock's)**

Leyland Thos. & Co., Readville, Boston, Mass.

**15063a—Clothing Hanging Machines**

Reliance Machine Works, Hedge & Plum, Philadelphia, Pa.

**15064—Cloth Inspecting Machines**

Curtis & Marble Machine Co., Worcester, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

**15065—Cloth Measuring Machines**

Curtis & Marble Machine Co., Worcester, Mass.
Eastwood Benjamin Co., Paterson, N. J.
Econometer Co., Pontiac bldg., St. Louis, Mo.
Elliott & Hall, Worcester, Mass.
Firsching Jos., Utica, N. Y.
Gerry Geo. W. & Son, Athol, Mass.
Goodspeed Machine Co., Winchendon, Mass.
Parks & Woolson Machine Co., Springfield, Vt.
Poole Engineering & Machine Co., Woodberry Station, Baltimore, Md.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Voelker Geo. W. & Co., Woonsocket, R. I.
Windle J. E., Worcester, Mass.

**15066— Cloth Rolling Machines**

Curtis & Marble Mach. Co., Worcester, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

**15067—Cloth Room Sewing Machines**

Singer Sewing Mach. Co., 149 B'way, New York

**15068—Cloth Stamping Machines**

American Finishing Machinery Co. (New Bristle), 141 Milk, Boston, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.

**15069— Cloth Stretchers**

Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Luther C. A. & Co., Pawtucket, R. I.
Tenney A. E. Mfg. Co., Pawtucket, R. I.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

**15069a— Cloth Tubes**

Southern Novelty Co., Hartsville, S. C.

**15070-1—Cloth Turning Machines**

Firsching John A., Utica, N. Y.
Fisher Knitting Machine Co., Utica, N. Y.
McCreary Edward, Cohoes, N. Y.
Utica Novelty & Mill Specialty Co., Utica, N. Y.

**15072—Collarette Cutting Machines**

Firsching John A. (Cutting & Windings), Utica, N. Y.
Utica Novelty & Mill Specialty Co., Utica, N. Y.

**15073— Comb Circles & Fallers**

Bagshaw W. H. Co., Lowell, Mass.
Bradford Wool Comb Co., 1908 E Westmoreland, Phila., Pa.
Bragg Jno. I., 24 Atwood, Providence, R. I.
Crabb Wm. & Co., 3d av, Newark, N. J.
Hood R. H. Co., 1842 Gtn av, Phila., Pa.
Leigh & Butler ("Harding's"), 232 Summer, Boston, Mass.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Speed & Stephenson ("F. H. Bentham's"), 170 Summer, Boston, Mass.
Townsend Thomas, 157 Orange, Providence, R. I.
Turner J. S. Mfg. Co., Lowell, Mass.

**15074— Combs (Cotton)**

Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.

**15075— Combs (Doffer)**

Barker James, 6th & Cayuga, Phila., Pa.
Firth Wm., 200 Devonshire, Boston, Mass.
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.
Speed & Stephenson, 170 Summer, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.

**15076— Combs (Slasher)**

American Supply Co., 135 Washington, Providence, R. I.
Andrews Loom Reed Harness Works, Spartanburg, S. C.
Charlotte Mfg. Co., Charlotte, N. C.
Emmons Loom Harness Co., Lawrence, Mass.
Gowdey J. A. Reed & Harness Mfg. Co., 1226 No Main, Providence, R. I.
McGregor & Sons, Fall River, Mass.
Scholes John & Co., Lowell, Mass.
Walker Mfg. Co., Kensington & Ontario, Phila., Pa.

**15077— Combs (Weavers')**

Sylvester C. F. & Co., Fall River, Mass.

**15078— Combs (Wool)**

Bagshaw W. H. Co., Lowell, Mass.
Bradford Wool Comb Co., 1908 E Westmoreland, Phila., Pa.
Bragg Jno. I., 24 Atwood, Providence, R. I.
Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Miller Wm. Co., 228 Aborn, Providence, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Smith Jas. & Son, Worcester, Mass.
Townsend Thomas, 157 Orange, Providence, R. I.

**15079— Compass Boards**

Hall I. A. & Co., Paterson, N. J.

**15080— Compellators**

Turner J. S. Mfg. Co., Lowell, Mass.

**15081— Conditioning Ovens**

Emerson Apparatus Co., 251 Causeway, Boston, Mass.

**Cone Tubes**

See Cop Tubes

**15082— Conveyors (Pneumatic)**

Buffalo Forge Co., Buffalo, N. Y.
Green Fuel Economizer Co., Beacon, N. Y.
Schnitzler Chas. H., 215 N 2d, Phila., Pa.

**15082a— Conveyors (Stock)**

Rushton-Carroll Co. ("Rushton-Carroll"), 34 Tudor, Cambridge, Mass.

**15083— Conveyors (Waste End)**

New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
Rushton. Carroll Co. ("Robinson & Conley's"), 34 Tudor, Cambridge, Mass.

**Cop Skewers**

See Skewers

**15084— Cop Tube Machinery**

Eppler's Jno. Mach. Works, 629 Filbert, Phila., Pa.

**15085— Cop Tubes (Paper)**

American Paper Tube Co., Woonsocket, R. I.
Brown Jas. Jr. & Sons, Ring & Main, Phila., Pa.
Calder Machine Works, 420 N 3d, Phila., Pa.
Chase F. A. & Co., 253 W Exchange, Providence, R. I.
Douglas Robt. D., Fall River, Mass.
Fraprie-Douglas Co., Fall River, Mass.
Lowell Paper Tube Corp., Lowell, Mass.
McCausland John, East Providence, R. I.
Pairpoint Corporation, New Bedford, Mass.
Taylor Chas. F. ("Burgess"), 57 Weybosset, Providence, R. I.

**15086—Corduroy Cutting Machines**

Firth Wm. (Cotton Cord & Velvet Cutting Machine Co.'s), 200 Devonshire, Boston, Mass.

**15087—Cotton Batting Machinery**

Hunter Jas. Machine Co., N Adams, Mass.
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.
Whitin Machine Works, Whitinsville, Mass.

**15088—Cotton Cord Cutting Machines**

Firth Wm. (Cotton Cord & Velvet Cutting Machine Co.'s), 200 Devonshire, Boston, Mass.

**15089— Cotton Machinery**

See also the Particular Article Required

Brigham Arthur A., Old South bldg., Boston, Mass.
Brockway & Meckensturm Mach. Co., Moodus, Conn.
Brownell G. L., Worcester, Mass.
Butterworth H. W. & Sons Co. (Finishing), **2415 E York, Phila., Pa.**
Cohoes Iron Foundry & Machine Co. (Slashing Machinery of Every Description), Cohoes, N. Y.
*See adv index at end of book*
Crompton & Knowles Loom Works (Weaving), Worcester, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Diamond Textile Machine Works, 1820 N **10th, Phila., Pa.**
Draper Corp., Hopedale, Mass.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Entwistle T. C. Co., Lowell, Mass.
Fales & Jenks Machine Co., Pawtucket, R. I.
Fall River Fdry. & Mach. Co., Fall River, Mass.
Firth Wm. (Asa Lees & Co.'s), 200 Devonshire, Boston, Mass.
H & B. Am. Machine Co., Pawtucket, R. I.
Hughes & Russum, Oxford & Hedge, **Phila., Pa.**
Kilburn, Lincoln Machine Co., Fall River, Mass.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Leigh & Butler ("Platt Bros. & Co."), 232 Summer, Boston, Mass.
Mason Machine Works, Taunton, Mass.
Nat'l Machy. Co. (Dealers), 11 Eddy, Providence, R. I.
Parks & Woolson Mach. Co., Springfield, Vt.
Payne Geo. W. & Co., Pawtucket, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Schofield Geo. L., 123 N Front, Phila., Pa.
Smith Geo. E. (Dealers), Cohoes, N. Y.
Speed & Stephenson, 170 Summer, Boston, Mass.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.
Withers Foundry & Machine Works, Atlanta, Ga.
Whitin Machine Works, Whitinsville, Mass.
Whitinsville Spinning Ring Co., Whitinsville, Mass.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

**15090—Counters (Spindle Speed)**

Draper Corp., Hopedale, Mass.

**15091— Counters (Twist)**

Scott Henry L. & Co., 101 Blackstone, Providence, R. I.

**15092— Crabbing Machines**

Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E **York, Phila., Pa.**
Hunter Jas. Machine Co., N. Adams, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

**15093— Creels**

Diamond Textile Machine Works, 1820 N **10th, Phia., Pa.**
Eastwood Benj. Co., Paterson, N. J.
Knapp Chas. H. (Wrapper), Paterson, N. J.
Lever Oswald Co., (Spool for Warping Mills for Lace Looms), 13th & Cumberland, Phila., Pa.
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.
Speed & Stephenson, 170 Summer, Boston, Mass.
Tillotson Humidifier Co. (Revolving Ball for Worsted Mills), 78 Fountain, Providence, R. I.

**15094—Crochet Machines (Red Blanket)**

Merrow Machine Co., Hartford, Conn.

**15095— Crocheting Machinery**

Berlin Machine Works, 261 B'way, New York
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.

**15096— Cuff Cutting Machines**

Firsching J. A., Utica, N. Y.

**15097—Cuff Machines (Flat Ribbed)**

Crane Mfg. Co., Lakeport, N. H.

**15098— Cut Markers**

Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

**15099—Cutters (Automatic Peg & Lace Hole)**

Royle John & Sons, Paterson, N. J.

**15100— Cutters (Carpet)**

Reed Mfg. Co. (Foot & Belt Power), Springfield, O.

**15101-2— Cutters (Chenille)**

Altemus Jacob K., 2824 N 4th, Phila., Pa.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*
Lever Oswald Co., 13th & Cumberland, Phila., Pa.

**Cutters (Cloth)**

See Cutting Machine, For Fabrics

**15103— Cutters (Electric)**

Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
U. S. Cloth Cutting Machine Co. (Cloth "U. S."), 414 W B'way, New York

**15104— Cutters (Flock)**

Curtis & Marble Mach. Co., Worcester, Mass.

**15105— Cutters (Gusset)**

Utica Novelty & Mill Specialty Co., Utica, N. Y.

**15106— Cutters (Knit Fabric)**

Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*
Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
Parsons Machinery Co., Marlboro, Mass.
Tolhurst Machine Works, Troy, N. Y.
Universal Cutter Co., 4567 Scott av, St. Louis, Mo.
Wildman Mfg. Co. (Cloth also), Norristown, Pa.

**15107— Cutters (Plush)**

Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*
Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
Dennis John Machine Co., Lowell, Mass.

**15108— Cutters (Rag)**

Curtis & Marble Machine Co., Worcester, Mass.
Daniels Machine Co., S. Royalton, Vt.

**15109— Cutters (Rib)**

Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*
Cooper Charles (Est. of), Bennington, Vt.
Eastman Machine Co. ("Eastman"), 779 Washington, Buffalo, N. Y.
McCreary Edward, Cohoes, N. Y.

**15110— Cutters (Velvet)**

Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*

**15111—Cylinders (Knitting Machine)**

Austin Machine Works (Hardened Forged Steel), 1821 N 5th, Phila., Pa.
Brinton H. Co., 213 Race, Phila., Pa.
Stafford & Holt, Little Falls, N. Y.

**15112— Cylinders (Slasher)**

Cohoes Iron Foundry & Machine Co. ("Cohoes" Slashers), Cohoes, N. Y.
*See adv index at end of book*
Mullin D. W. & Co., Lowell, Mass.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

**15113—Cylinders & Dials (Knitting Machine)**

Austin Machine Works (Up to 24 inches in Diameter), 1821 N 5th, Phila., Pa.
Fidelity Machine & Mfg. Co., 4015 Paul, Fkd., Phila., Pa.
McMichael A., 22 Armat, Phila., Pa.
Pearce Geo. B. & Co., 2316 N 8th, Phila., Pa.

**15114— Dampening Machines**

American Moistening Co., 120 Franklin, Boston, Mass.
Birch Bros., Somerville, Mass.
Curtis & Marble Mach. Co., Worcester, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

**15115— Decoting Machines**

Borchers Richard C. & Co., Fkd., Phila., Pa.

**15115a— Dobby Chains**

Rice-Dobby Chain Co., Millbury, Mass.

**15116-7— Dobbies**

Atwood Machine Co., Stonington, Conn.
Crompton & Knowles Loom Works, Worcester, Mass.
Eastwood Benj. Co. (Silk), Paterson, N. J.
Halton's Thos. Sons, Allegheny av & C, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.
Mason Machine Works, Taunton, Mass.
Stafford Co., Readville, Mass.
Voelker Geo. W. & Co., Woonsocket, R. I.
Whitin Machine Works, Whitinsville, Mass.

**15118— Doffing Boxes**

National Fibre & Insulation Co., Yorklyn, Del.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
Standard Fibre Co., Miller st., Somerville, Mass.

**15119— Doublers**

Atwood Machine Co. (Worsted & Cotton Yarn), Stonington, Conn.
Collins Bros. (Patent Trap Drum), Pawtucket, R. I.
Curtis & Marble Machine Co. (Cloth), Worcester, Mass.
Eastwood Benj. Co. (Silk), Paterson, N. J.
Hall F. A. & P., Lawrence, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Textile Machine Works, Reading, Pa.

**15120— Drawing (Frame Pins)**

Crabb Wm. & Co., Newark, N. J.

**15121— Dressers (Cotton)**

Whitin Machine Works, Whitinsville, Mass.

**15122— Dressers (Thread)**

Atwood Machine Co., Stonington, Conn.
Luther C. A. & Co., Pawtucket, R. I.

**15123— Dressers (Warp)**

Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

**15124— Dressers (Yarn)**

Franklin Machine Co., 1 Park, Providence, R. I. *See adv index at end of book*
Luther C. A. & Co., Pawtucket, R. I.

**15125— Drop Wires**

Blackstone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.
Brooks M. S. & Sons, Chester, Conn.
Hopedale Mfg. Co., Milford, Mass.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.
Mossberg Frank Co., Attleboro, Mass.

**15126—Drums (Tapestry Printing)**

Crompton & Knowles Loom Works, Worcester, Mass.

15127—Dry Poles (Enameled) for Silk Dyers

American Enamel Co., Providence, R. I.

15128— Dryers (Carpet)

Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass.
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15129— Dryers (Cloth)

Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co., Worcester, Mass.
Green Fuel Economizer Co., Beacon, N. Y.
Heathcote Jno. & Son, 212 Eddy, Providence, R. I.
Phila. Drying Machy. Co. ("Hurricane"), 3351 Stokley, Phila, Pa.
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Utica Novelty & Mill Specialty Co. ("Johnston" Vertical), Utica, N. Y.

15130— Dryers (Cotton)

Phila. Drying Machy. Co. ("Hurricane"), 3351 Stokley, Phila, Pa.
Proctor & Schwartz Inc. ("Proctor"), etc), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Salem Iron Works, Winston Salem, N. C.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Speed & Stephenson, 170 Summer, Boston, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15131— Dryers (Hair)

BUFFALO FOUNDRY & MACHINE CO., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Philadelphia Drying Machinery Co. ("Hurcane"), 3351 Stokley, Phila., Pa.
Proctor & Schwartz Inc. ("Proctor" Fireproofing, for Tanners, etc.), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Sargent's C. G. Sons Corp., Graniteville, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15132— Dryers (Hot Air Apron)

Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15132a— Dryers (Silk)

Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*

15133— Dryers (Underwear)

Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Firsching John A. (Adjustable, Vertical, also Horizontal), Utica, N. Y.
Green Fuel Economizer Co., Beacon, N. Y.
Phila. Drying Machy. Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Salem Iron Works, Winston Salem, N. C.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Utica Novelty & Mill Specialty Co. (Knit Goods in the Roll, Utica, N. Y.



15134— Dryers (Warp)

Butterworth H. W. & Sons Co., 2415 E York, Phila, Pa.
Phila. Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15135— Dryers (Wire Top)

Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.

15136— Dryers (Wool)

American Blower Co., 1400 Russell, Detroit, Mich.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Green Fuel Economizer Co., Beacon, N. Y.
Heathcote John & Son, 212 Eddy, Providence, R. I.
Hunter James Machine Co. ("Stone"), N Adams, Mass.
Philadelphia Drying Machinery Co., 3351 Stokeley, Phila., Pa.
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.
Speed & Stephenson, 170 Summer, Boston, Boston, Mass.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15137— Dryers (Yarn)

American Blower Co., 1400 Russell, Detroit, Mich.
Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Green Fuel Economizer Co., Beacon, N. Y.
Lorimer Machinery Co., Ontario & Lawrence, Phila., Pa.
Philadelphia Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.

15138 — Drying Machines (Copper Cylinder)

Butterworth, H. W. & Sons Co., 2415 E. York, Philadelphia, Pa.

15139-40—Drying Machines (Print Works)

Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

15141— Dusters (Rag)

Bagshaw W. H. Co., Lowell, Mass.
Gerry Geo. & Son, Athol, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.

15142—Dusters (Wool & Waste)

Curtis & Marble Machine Co., Worcester, Mass.
Gerry Geo. & Son, Athol, Mass.
Hunter Jas. Machine Co., North Adams, Mass.
Lahue M. M. & Co., Lowell, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

15143— Dye Becks

Woonsocket Mach. & Press Co., Woonsocket, R. I.

Dye Kettles

See Copper Work, Dryers

15144— Dye Tubs

American Stave & Cooperage Co., Chelsea, Mass.
Hunt Rodney Machine Co., Orange, Mass.
Johnson & Hibbard, Westfield, Mass.
New England Tank & Tower Co., 42 Main, Everett, Mass.
*See adv index at end of book*
Smith Benj. F. Co., Pawtucket, R. I.
STEARNS A. T. LUMBER CO., 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Terhune J. I. ("Fletcher's"), 164 Ward, Paterson, N. J.
Tolhurst Machine Works, Troy, N. Y.
Woolford G. Wood Tank Mfg. Co., 1429 Chestnut, Phila., Pa.

15145— Dyeing Machinery

Adams Laundry Machinery Co., Troy, N. Y.
American Laundry Machinery Co., Cincinnati, O.
Arlington Machine Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Columbus Truck & Supply Mfg. Co., Columbus, Ga.
Delahunty Dyeing Machine Co., Pittston, Pa.
Entwistle T. C. Co., Lowell, Mass.
Franklin Process Co. (For Cotton, Wool & Worsted Yarns), 291 Promenade, Providence, R. I.
Haag A. U. & Co., Reading, Pa.
Hart Chas., Plum & Hedge, Phila., Pa.
Holyoke Machine Co., Holyoke, Mass.
Hunt Rodney Machine Co., Orange, Mass.
Hussong Dyeing & Machine Co., Groveville, N. J.
Klauder-Weldon Dyeing Machine Co., Yardlery, Pa.
Leigh & Butler ("Mather & Platt"), 232 Summer, Boston, Mass.
Lorimer Machinery Co., Ontario, cor N Lawrence, Phila., Pa.
Northwestern Copper & Brass Works, 59 W 3rd, St. Paul, Minn.
Perfection Dyeing Machine Co., Columbus, Ga.
Philadelphia Drying Machinery Co. ("Hurricane" Hosiery), 3351 Stokley, Phila., Pa.
Rome Machine & Foundry Co., Rome, Ga.
Salem Iron Works, Winston Salem, N. C.
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.
Terhune J. I. Machine Works, Paterson, N. J.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Tolhurst Machine Works, Troy, N. Y.
Utica Novelty & Mill Specialty Co., Utica, N. Y.
Vacuum Dyeing Mach. Co., Chattanooga, Tenn.
Waters D. F., 55 Wister, Phila., Pa.
Watson Machine Co., Paterson, N. J.

15146—Dyeing Machines (Skein)

Cocker Machine & Foundry Co., Warp, Gastonia,, N. C.
Philadelphia Drying Machinery Co. ("Hurricane"), 3351 Stokley, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.

15147— Elevators (Cotton)

American Blower Co., Detroit, Mich.
Brown Portable Conveying Machy. Co., 10 S La Salle, Chicago, Ill.
Chain Belt Co., Milwaukee, Wis.
Clarage Fan Co., North & Potter, Kalamazoo, Mich.
Continental Gin Co. (Inc.), Birmingham, Ala.
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Hersey Mfg. Co., 314 W 2d, South Boston, Mass.
Jeffrey Mfg. Co., 961 N 4th, Columbus, O.
*See adv index at end of book*
LINK-BELT CO., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*

15148— Elevators (Spool)

Schnitzler Charles H., 215 N 2d, Phila., Pa.

**15149— Embroidery Machines**

Ahlstrom O. J., 711 B'way, New York
Dubrow & Hearne Mfg. Co. ("Lints & Eckhart"), 12 Wooster, New York

**15150—Engines (Carding, Woolen & Worsted)**

Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.

**15151—Engravers (Copper Roll)**

Dunn Textile Engraving & Mfg. Co., 2011 Church, Phila., Pa.
Highland Engraving Co., 256 Sherman, Passaic, N. J.
Hope Jno. & Sons Engraving & Mfg. Co., 1 Mashapaug, Providence, R. I.

**15152—Engraving Machines (Print Works)**

Dunn Textile Engraving & Mfg. Co., 2011 Church, Phila., Pa.
Hope John & Sons Engraving & Mfg. Co., 1 Mashapaug, Providence, R. I.

**15153— Expanders (Cloth)**

Birch Bros., Somerville, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

**15154— Extractors (Thread)**

Saco-Lowell Shops, 77 Franklin, Boston, Mass.

**15154a— Fabric Sizing (Glue)**

**HEWITT C. B. & BROS.**, 20 Ferry, New York. *See adv index at end of book*

**15154b—Feeder Clutch Attachments**

Harwood Geo. S. & Son, Exchange bldg., Boston, Mass.

**15155—Feeders (Automatic Self-Weighing Scale)**

Harwood Geo. S. & Son ("Bramwell"), Exchange bldg., Boston, Mass.
Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.

**15156— Feeds (Cloth)**

Tillotson Humidifier Co. ("Whittles" Automatic, for Dryers), 78 Fountain, Providence, R. I.

**15157— Feeds or Feeders**

Brown Cotton Gin Co., New London, Conn.
Clark Machine & Fdry. Co. ("Bramwell"), Franklin, Mass.
Curtis & Marble Machine Co. (Picker), Worcester, Mass.
Harwood Geo. S. & Son ("Bramwell" & "Apperly"), Exchange bldg., Boston, Mass.
Hunter James Machine Co., N Adams, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Nat'l Machy. Co., 11 Eddy, Providence, R. I
Phila. Drying Machinery Co., 3351 Stokley, Phila., Pa.
Proctor & Schwartz Inc. ("Proctor"), 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Sargent's C. G. Sons Corp. (Automatic, for Cotton & Wool), Graniteville, Mass.
Schofield Wm. Co., Krams ab. Wilde, Phila., Pa.
Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co. (Self-Feeds, for Wool, Worsted, Cotton or Jute, also Camel Backs, Blaniers & Apperlys for Cards), Hancock & Somerset, Phila., Pa.
Tait Geo., W Kearney, N. J.
Woonsocket Machine & Press Co., Woonsocket, R. I.

**15158— Felt Machinery**

Clark Machine & Foundry Co. (Trimmers, etc), Franklin, Mass.
Dennis John Machine Co., Lowell, Mass.
Farrel Foundry & Machine Co. (Hardeners), Ansonia, Conn.

**15159—Felting Machines (Cotton)**

Ivens Wm. H. Sons, P. O. Box 647, Trenton, N. J.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

**15160—Finishing Machines (Carpet)**

Curtis & Marble Machine Co., Worcester, Mass.
Parks & Woolson Mach. Co., Springfield, Vt.

**15161—Finishing Machines (Cloth)**

Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Cameron Machine Co. (Cloth Cutting, Folding & Measuring Machine), 61 Poplar, Brooklyn, N. Y.
*See adv index at end of book*
Cavagnaro Jno. J., Harrison, N. J.
Curtis & Marble Machine Co., Worcester, Mass.
Gessner David Co., Worcester, Mass.
Parks & Woolson Mach. Co., Springfield, Vt.
Terhune J. I. Machine Works, Paterson, N. J.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Windle J. E., Worcester, Mass.

**15162—Finishing Machines (Knit Goods)**

Grosser Knitting Machine Co., 260 W B'way, New York
Merrow Machine Co. (For all Kinds of Fabrics), Hartford, Conn.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.
Union Special Machine Co., 400 N Franklin, Chicago, Ill.
Willcox & Gibbs Sewing Machine Co., 658 B'way, New York

**15163—Finishing Machines (Tape)**

Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

**15164—Finishing Machines (Wool & Worsted)**

American Laundry Machinery Co., Cincinnati, O.
Arlington Machine Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Curtis & Marble Machine Co. (Also Cotton), Worcester, Mass.
Leigh & Butler ("Mather" & "Platt"), 232 Summer, Boston, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Schuchardt & Schutte (Dry Decatizing Machine), 90 West, New York
Schwartz L. H. A. & Co. ("Paul Klug" Decating Machine), 40 Central, Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

**15165— Flax Machinery**

Firth Wm. ("Mackie & Sons"), 200 Devonshire, Boston, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.

**Fleecing Machines**

See Napping Machines

**15166— Flyers**

See also Frames, Cotton, Fly

Calder Machine Works, 420 N 3d, Phila., Pa.
Hartson L. M. Co. (Spinners), North Windham, Conn.
Lawrence Pump & Engine Co., Lawrence, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Mayor Thos. & Son ("Bodden"), 26 Olney, Providence, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Southern Spindle & Flyer Co., Charlotte, N. C.
Speed & Stephenson ("Bairstow Bros."), 170 Summer, Boston, Mass.
Thurston A. G. & Son, Fall River, Mass.
Westcott A. A. & Sons, Hopedale, Mass.
Whitin Machine Works, Whitinsville, Mass.

**15167—Folding Machines (Cloth)**

Birch Bros., Somerville, Mass.
Cameron Machine Co., 61 Poplar, Brooklyn, N. Y. *See adv index at end of book*
Curtis & Marble Mach. Co., Worcester, Mass.
Elliott & Hall, Worcester, Mass.
Firsching Jos., Utica, N. Y.
Grand Rapids Textile Machinery Co., Grand Rapids, Mich.
Johnson C. A. & Co., 55 Pine, Providence, R. I.
McCreary Edw., Cohoes, N. Y.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Windle J. E., Worcester, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

**15168—Folding & Cutting Machines (Underwear)**

Goodwin J. C., 2d & Diamond, Phila., Pa.
Tolhurst Machine Works, Troy, N. Y.

**15169—Folding & Measuring Machines**

Cameron Machine Co. (Cloth), 61 Poplar, Brooklyn, N. Y.
*See adv index at end of book*
Curtis & Marble Machine Co., Worcester, Mass.
Eastwood Benj. Co., Paterson, N. J.
Elliott & Hall (Silk), Worcester, Mass.
Parks & Woolson Machine Co., Springfield, Vt.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

**15170—Frames (Cotton Drawing)**

Fall River Foundry & Machine Co., Fall River, Mass.
Firth Wm., 200 Devonshire, Boston, Mass.
Mason Machine Works, Taunton, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

**15171—Frames (Cotton Evener Drawing)**

Saco-Lowell Shops, 77 Franklin, Boston, Mass.

**15172— Frames (Cotton Fly)**

Fall River Fdy. & Mach. Co., Fall River, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Whitin Machine Wks., Whitinsville, Mass.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

**15173—Frames (Hand Lacing)**

Royle John & Sons, Paterson, N. J.

**15174— Frames (Harness)**

Benazet Heddle Co. (Ltd.), 214 W Dauphin, Phila., Pa.
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Crompton & Knowles Loom Works, Worcester, Mass.
Hakes H. W. Mfg. Co., Millbury, Mass.
Watson L. S. Mfg. Co., Leicester, Mass.
Williams J. H. Co., Millbury, Mass.

**15175— Frames (Heddle)**

Gibbs Heddle Co., Leicester, Mass.
Hakes H. W. Mfg. Co., Millbury, Mass.
Steel Heddle Mfg. Co., 2110 Allegheny av, Phila., Pa.
Walker Mfg. Co., Kensington & Ontario, Phila., Pa.
Watson L. S. Mfg. Co., Leicester, Mass.
Williams J. H. Co., Millbury, Mass.

**15176— Frames (Intermediate)**

Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

**15177— Frames (Jack)**

Riley C. E. Co., 161 Devonshire, Boston, Mass.
Woonsocket Machine & Press Co., Woonsocket, R. I.

**15177a— Frames (Quilting)**

**Buffalo Stretcher Mfg. Co. ("Buffalo"), 1422 Niagara, Buffalo, N. Y.**
*See adv index at end of book*

**15178— Frames (Redrawing)**

**Atwood Machine Co., Stonington, Conn.**
**Saco-Lowell Shops, 77 Franklin, Boston, Mass.**

**15179—Frames (Ring Spinning)**

**Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.**
**Fales & Jenks Machine Co., Pawtucket, R. I.**
**Fall River Foundry & Machine Co., Fall River, Mass.**
**Mason Machine Works, Taunton, Mass.**
**Saco-Lowell Shops, 77 Franklin, Boston, Mass.**
**Whitin Machine Works, Whitinsville, Mass.**
**Woonsocket Machine & Press Co., Woonsocket, R. I.**

**15180— Frames (Roving)**

**Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.**
**Fall River Fdry. & Mach. Co., Fall River, Mass.**
**Firth Wm., 200 Devonshire, Boston, Mass.**
**Riley C. E. Co., 161 Devonshire, Boston, Mass.**
**Saco-Lowell Shops, 77 Franklin, Boston,**
**Speed & Stephenson, 1701 Summer, Boston, Mass.**
**Whitin Machine Works, Whitinsville, Mass.**
**Woonsocket Machine & Press Co., Woonsocket, R. I.**

**15181— Frames (Slubbing)**

**Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.**
**Firth Wm., 200 Devonshire, Boston, Mass.**
**Saco-Lowell Shops, 77 Franklin, Boston, Mass.**
**Whitin Machine Works, Whitinsville, Mass.**
**Woonsocket Machine & Press Co., Woonsocket, R. I.**

**15182— Frames (Spinning)**

**See also Frames, Ring Spinning; also Frames, Wool Spinning; also Mules**
**Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.**
**Fall River Foundry & Machine Co., Fall River, Mass.**
**Flaccus C. L. Glass Co., 130 N 3d, Phila., Pa.**
**Jefferson Edw. & Bro. (Imp.), 19 S 2d, Phila., Pa.**
**Mason Machine Works, Taunton, Mass.**
**Riley C. E. Co., 161 Devonshire, Boston, Mass.**
**Saco-Lowell Shops, 77 Franklin, Boston, Mass.**
**Whitin Machine Works, Whitinsville, Mass.**

**Frames (Twisting)**
**See Twisters**

**15183—Frames (Wool Spinning)**
**See also Mules**

**Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.**
**Fall River Fdry & Mach. Co., Fall River, Mass.**
**Flaccus C. L. Glass Co., 130 N 3d, Phila., Pa.**
**Johnson & Bassett, Worcester, Mass.**
**Smith, Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa**

**15184— Fulling Mills**

**Clark Machine & Foundry Co., Franklin, Mass.**
**Hunt Rodney Machine Co., Orange, Mass.**
**Hunter James Machine Co., N Adams, Mass.**
**Kenyon D. R. & Son, Raritan, N. J.**
**Utica Novelty & Mill Specialty Co. (Rotary), Utica, N. Y.**

**15185— Garnett Machines**

**Hunter Jas. Machine Co., N Adams, Mass.**
**Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa**
**Smith & Furbush Machine Co. ("Proctor"), Hancock & Somerset, Phila., Pa.**

**15186—Garnett & Card Machines (Combined)**

**Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa**

**15187— Gassing Machines**

**Brigham Arthur A., Old South bldg, Boston, Mass.**

**15188— Gigs (Teasel)**

**Curtis & Marble Machine Co., Worcester, Mass.**
**Parks & Woodson Machine Co., Springfield, Vt.**

**15189— Gill Screws**

**Hood R. H. Co., 1842 Gtn. av, Phila., Pa.**

**15190—Gills (Preparing & Finishing)**

**Bragg Jno. I., 24 Atwood, Providence, R. I.**
**Riley C. E. Co., 161 Devonshire, Boston, Mass.**
**Saco-Lowell Shops, Boston, Mass.**
**Speed & Stephenson, 170 Summer, Boston, Mass.**

**15191— Glass Rods & Bars**

**Mitchell-Bissell Co. (Rods for Looms), 251 4th av, New York**
**Ruth Glass Co. (Bars), Conshohocken, Pa.**

**15192— Guide Wires**

**American Supply Co., 135 Washington, Providence. R. I.**
**Blackstone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.**
**Brooks M. S. & Sons, Chester, Conn.**
**Parker Wire Goods Co., Worcester, Mass.**
**Wickwire Spencer Steel Corp., Worcester, Mass.** *See adv index at end of book*
**Wire Goods Co., Worcester, Mass.**

**15193—Guides (Porcelain & Enameled)**

**Mitchell-Bissell Co., 251 4th av, New York**

**15194— Guides (Thread)**

**Palmer I. E. Co. (Adjustable), Middletown, Conn.**

**15195— Hackle Pins**

**Crabb Wm. & Co., 3d av, Newark, N. J.**

**Hackles**
**See Combs, Circles & Fallers**

**15196— Harness Straps**

**Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.**
**Coupe Wm. Co. (Ltd.), South Attleboro, Mass.**
**Jacobs E. H. Mfg. Co., Danielsville, Conn.**

**15197— Harnesses (Loom)**

**Allentown Reed, Harness & Mill Supply Co., Allentown, Pa.**
**American Loom, Harness & Reed Co., Greenville, S. C.**
**American Supply Co., 135 Washington, Providence, R. I.**
**Andrew Loom Reed Harness Works, Spartanburg, S. C.**
**Blackstone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.**
**Carruthers Robt. Co., Lowell, Mass.**
**Crabb Wm. & Co., 3d av, Newark, N. J.**
**Emmons Loom Harness Co., Lawrence, Mass.**
**Excelsior Loom Reed Works, Pawtucket, R. I.**
**Gibbs Loom, Harness & Reed Co., Clinton, Mass.**
**Greenville Loom, Reed & Harness Co., Greenville, S. C.**
**Hall J. A. & Co., Paterson, N. J.**
**Halton's Thos. Sons, Allegheny av & C, Phila., Pa.**
**Harris Geo. W. Co., Lowell Mass.**
**Hayes Loom, Reed & Harness Co., Woonsocket, R. I.**
**Mitchell-Bissell Co., 251 4th av, New York**
**Paterson Reed & Harness Co., Paterson, N. J.**
**Scholes John & Co., Lowell, Mass.**
**Street B. R. Co., 549 Washington blvd, Chicago, Ill.**
**Ulrich Co., Paterson, N. J.**
**Walder Jacob, Paterson, N. J.**
**Webster Loom Harness Co., Fall River, Mass.**
**Wickwire Spencer Steel Corp., Worcester, Mass.** *See adv index at end of book*

**15198— Heck Stands**

**Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.**

**15199— Heddles**

**American Supply Co., 135 Washington, Providence, R. I.**
**Butcher Edwin, Worcester, Mass.**
**Carruthers Robt. Co., Lowell, Mass.**
**Emmons Loom Harness Co., Lawrence, Mass.**
**Firth Wm. ("R. Center Fils"), 200 Devonshire, Boston, Mass.**
**Gibbs Heddle Co., Leicester, Mass.**
**Hall I. & Co., Paterson, N. J.**
**Howard Bros. Mfg. Co., Worcester, Mass.**
**Steel Heddle Mfg. Co., 2110 W Allegheny av, Phila., Pa.**
**Walder Jacob, Paterson, N. J.**
**Walker Mfg. Co., Kensington & Ontario, Phila., Pa.**
**Watson L. S. Mfg. Co., Leicester, Mass.**
**Williams J. H. Co, Millbury, Mass**

**15200— Heddles (Braided)**

**Emmons Loom Harness Co. ("Thibaud's"), Lawrence, Mass.**
**Hall I. A. & Co., Paterson, N. J.**

**15201— Heddles (Jacquard)**

**American Supply Co., 135 Washington, Providence. R. I.**

**15202— Heddles (Steel)**

**Steel Heddle Mfg. Co., 2110 W Allegheny av, Phila., Pa.**
**Williams J. H. Co., Millbury, Mass.**

**15203— Heddles (Wire)**

**Benazet Heddle Co. (Ltd.), 214 W Dauphin, Phila., Pa.**
**Chase F. A. & Co., 253 W Exchange, Providence, R. I.**
**Gibbs Heddle Co., Leicester, Mass.**
**Hakes H. W. Mfg. Co., Millbury, Mass.**
**Howard Bros. Mfg. Co. (Also Twin Wire German Heddles), Worcester, Mass.**
**Mossberg Frank Co. (Brass or Steel), Attleboro, Mass.**
**Watson L. S. Mfg. Co. (German Tinned & Domestic Bronze), Leicester. Mass.**
**Williams J. H. Co., Millbury, Mass.**

**15204— Hoods (Slasher)**

**New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.**
**Piper J. A. Roofing Co., Greenville, S. C.**

**15205— Hooks (Loom)**

**Edmands Arthur B. Co., 180 Main, Pawtucket, R. I.**

**15206— Hooks (Reed)**

**Ferrary Bros. Co., Paterson, N. J.**
**Parkinson Edw. Mfg. Co., 84 Sprague, Providence, R. I.**

**15207—Hosiery Bands & Labels**

**Acme Print Co., Reading, Pa.**
**Albright & Shenton, Reading, Pa.**
**Johnson Thos. (Est. of) Lawrence & Clearfield, Phila., Pa.**
**Novelty Printing Co. (Inc.), 7th & Watkins, Phila., Pa.**
**Reis G. & Bro., 900 B'way, New York**

**15208— Hosiery Boards**

**Bogert & Hopper Inc., 57 Barclay, New York** *See adv index at end of book*
**Clark Geo. H. & Co., Meredith, N. H.**
**Estes E. B. & Sons, 364 5th av, New York** ***See adv index at end of book***
**HEWITT C. B. & BROS., 20 Ferry, New York** *See adv index at end of book*
**Pearson Jos. T. & Sons Co., 1815 E Boston av. Phila., Pa.**
**Wisconsin Textile Mfg. Co., Two Rivers, Wis.**

**Hosiery Machines**
**See Knitting Machines, Hosiery**

**15209—Hosiery Striping Attachment**

**Stafford & Holt (Automatic), Little Falls, N. Y.**

**15210— Hydro-Extractor Guards**

Utica Novelty & Mill Specialty Co., Utica, N. Y.

**15211— Hydro-Extractors**

Adams Laundry Machinery Co. (For Clothes Wringing), Troy, N. Y.
American Laundry Machinery Co., Cincinnati, O.
American Tool & Machine Co., ("Weston," for Raw Stock, Finished Goods, Underwear & Hosiery), 10 High, Boston, Mass.
Columbia Mfg. Co. (Clothes Wringing), Columbia, Pa.
Curtis & Marble Machine Co. (Horizontal), Worcester, Mass.
Dienelt & Eisenhardt, 1304 N Howard, Phila., Pa.
Empire Laundry Machinery Co., 352 Western av, Boston, Mass.
Salem Iron Works, Winston Salem, N. C.
Schaum & Uhlinger, N American & Glenwood av, Phila., Pa.
Tolhurst Machine Works, Troy, N. Y.
Troy Laundry Machinery Co. (Ltd.), 23d & La Salle, Chicago, Ill.
Wayte W. J. (Imp.), 1 Liberty, New York

**15212— Indigo Mills**

Humphrey Machine Co., Keene, N. H.
Lord, Bowler & Co., Cleveland, O.
Saco-Lowell Shops (Grinders), Boston, Mass.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Townsend Foundry & Mach. Shop Co., Broadway & Rensselaer, Albany, N. Y.
*See adv index at end of book*

**15213— Jack Hooks**

Brooks M. S. & Sons, Chester, Conn.

**15214— Jacks (Needle)**

Cooper Chas. (Est. of), Bennington, Vt.

**15215— Jiggers**

Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Mackenzie Duncan Sons Co., Trenton, N. J.
Terhune J. I. Machine Works, 164 Ward, Paterson, N. J.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Watson Machine Co., Paterson, N. J.

**15216— Jute Cordage Machinery**

See also Spinning Machinery, Jute

Haskell-Dawes Machine Co., 176 Federal, Boston, Mass.

**12517— Kiers**

Arlington Machine Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
McCabe E. & Co., Lawrence, Mass.

**15218—Knit Fabric Slitters & Rewinders**

Langston Samuel M. Co., Camden, N. J.

**15219—Knitting Machine Attachments**

Cooper Chas. (Est. of), Bennington, Vt.
Sweet & Doyle, Cohoes, N. Y.

**15220— Knitting Machinery**

Acme Knitting Machine & Needle Co. ("Hemphill" "Acme"), Franklin, N. H.
Acme Pattern & Machine Co., Buffalo, N. Y.
Ainslie Knitting Machine Co. ("C. & F."), 281 Ainslie, Brooklyn, N. Y.
Ardrey S. B. & Sons, Bristol, Pa.
Boss Knitting Machine Works, Reading, Pa.
Brinton H. Co. (Seamless & Ribbed Machines), 213 Race, Phila., Pa.
Burson Knitting Co., Rockford, Ill.
Campbell & Clute Machine Co., Cohoes, N. Y.
Crane Mfg. Co., Lakeport, N. H.
Eppler's Jno. Mach. Wks. (For Upholstery, Dress & Millinery Trimmings), 629 Filbert, Phila., Pa.
Fisher Knitting Machine Co., Utica, N. Y.
Gearhart Knitting Machine Co., Clearfield, Pa.
General Machine Works, York, Pa.
Gormley Robt. W. & Co., Troy, N. Y.
Grosser Knitting Machine Co., 260 W B'way, New York
Hemphill Mfg. Co. ("Banner"), Central Falls, R. I. Works: Pawtucket, R. I.
Hepworth Jno. W. & Co., Lehigh av & Mascher, Phila., Pa.
Jenckes Knitting Machine Co. ("Invincible" Full Automatic Hosiery), Pawtucket, R. I.
Johnson Knitting Machine Co., St. Johnsville, N. Y.
Kilbourne Mfg. Corpn., New Brunswick, N. J.
Lamb Knitting Machine Co., Chicopee Falls, Mass.
Leighton Machine Co., Manchester, N. H.
Lindley Geo. W., 5122 Wakefield, Gtn., Phila., Pa.
McMichael A., 22 Armat, Phila., Pa.
Newton Edwin A., 310 N 4th, Phila., Pa.
Nye & Tredick Co., 720 Cherry, Phila., Pa.
Paxton & O'Neill, 541 N 3d, Phila., Pa.
Redin, Ekstrom & Co., Rockford, Ill.
Scott & Williams (Hosiery & Underwear), 366 B'way, New York
Spindler E. O. (Imp.), 350 B'way, New York
Stafford & Holt, Little Falls, N. Y.
Standard Machine Co., 330 N 12th, Phila., Pa.
Steber Machine Co., Utica, N. Y.
Textile Machine Works (Inc.) (Full-Fashioned), Reading, Pa.
Tompkins Bros. Co., Troy, N. Y.
Trump Bros. Machine Co. (Hosiery & Underwear), Beech & Anchorage, Wilmington, Del.
Walther Otto, Bourse bldg., Phila., Pa.
Wildman Mfg. Co., Norristown, Pa.

**15221—Knitting Machines (Circular)**

Fisher Knitting Machine Co., Utica, N. Y.
Leighton Machine Co., Manchester, N. H.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
Nye & Tredick Co., 720 Cherry, Phila., Pa.
Paxton & O'Neill (Full Automatic), 541 N 3d, Phila., Pa.
Stafford & Holt (Automatic), Little Falls, N. Y.

**15222—Knitting Machines (Hosiery)**

Acme Knitting Machine & Needle Co. ("Acme" Seamless), Franklin, N. H.
Brinton H. Co. (Ribbed & Seamless), 213 Race, Phila., Pa.
Excelsior Knitting Machine Mfg. Co., Allentown, Pa.
Hemphill Co., Pawtucket, R. I.
Hirsch Louis, 220 5th av, New York
Lamb Knitting Machine Co., Chicopee Falls, Mass.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
Nydegger Max ("Grosser" Full Fashioned Seamless), 260 W B'way, New York
Nye & Tredick Co., 720 Cherry, Phila., Pa.
Paxton, Price & O'Neill (Seamless), 541 N 3d, Phila., Pa.
Scott & Williams, 336 B'way, New York
Spindler E. O. (Imp), 350 B'way, New York
Standard Mach. Co., 330 N 12th, Phila., Pa.
Tompkins Bros. Co., Syracuse, N. Y.
Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.

**15223—Knitting Machines (Rib)**

Brinton H. Co. (For Hosiery & Underwear), 213 Race, Phila., Pa.
Cooper Chas. (Est. of) (Automatic Spring Needle), Bennington, Vt.
Fisher Knitting Machine Co., Utica, N. Y.
General Machine Works, York, Pa.
Hirsch Louis, 220 5th av, New York
Huse Warren D. & Sons, Laconia, N. H.
Leighton Machine Co., Manchester, N. H.
National Automatic Knitter Co., 2725 Mutter, Phila., Pa.
Nye & Tredick Co. ("Automatic" Circular), 720 Cherry, Phila., Pa.
Ruth Machine Co., York, Pa.
Snyder Homer P. Mfg. Co., Little Falls, N. Y.
Stafford & Holt (Automatic Circular), Little Falls, N. Y.
Wildman Mfg. Co. (Circular), Norristown, Pa.

**15224-5—Knitting Machines (Seamless)**

Acme Knitting Machine & Needle Co. ("Acme," "Hemphill"), Franklin, N. H.
Boss Knitting Machine Works (Hosiery), Reading, Pa.
Brinton H. Co. (For Hosiery & Underwear), 213 Race, Phila., Pa.
National Automatic Knitter Co. (Also Lace Effects), 2725 Mutter, Phila., Pa.
Paxton, Price & O'Neill (Automatic Machines), 541 N 3d, Phila., Pa.
Scott & Williams (Automatic Hosiery), 366 B'way, New York
Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.

**15226— Lace Machines**

Chauvet & Coulter Co., 245 7th av, New York
Lever, Oswald Co., 13th & Cumberland, Phila., Pa.
Lindley Geo. W., 5122 Wakefield, Gtn., Phila., Pa.
Lynwood Mfg. Co. (Ribbers), Hancock & Westmoreland, Phila., Pa.
Spindler E. O. (Imp), 350 B'way, New York
Textile Finishing Machinery Co. (Bleaching & Finishing), 171 Westminster, Providence, R. I.

**15227—Lacers (Automatic Lock & Loop Stitch)**

Royle John & Sons, Paterson, N. J.

**15228— Lease Rods**

American Enamel Co. (Enameled), Neville, Providence, R. I.

**15229— Lifting Rod Cleaners**

Draper Corp. ("Shaw & Flinn's"), Hopedale, Mass.

**15230—Liquid Bleach Apparatus**

Electro Chemical Co., Dayton, O.

**15231— Loom Attachments**

Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Crompton & Knowles Loom Works, Worcester, Mass.
Eastwood Benjamin Co., Paterson, N. J.
Lahue M. M. & Co., Lowell, Mass.
Stafford Co., Readville, Mass.

**15232— Loom Crank Shafts**

Babbitt Bros., Fairhaven, Mass.
Fall River Foundry & Machine Co., Fall River, Mass.

**15233— Loom Forks**

Brown Bros. Co., 62 Exchange pl, Providence, R. I.
English C. R. Co., 167 Oliver, Boston, Mass.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.
Parkinson Edw. Mfg. Co., 84 Sprague, Providence, R. I.

**15234—Loom Frictions (Cork Insert)**

Cork Insert Co., 164 Federal, Boston, Mass.

**15235— *Loom Knives**

COES LORING & CO. (INC.) ("Micro-Ground"), Coes sq, Worcester, Mass.
*See adv index at end of book*

**15236— Loom Lingoes**

Allentown Reed Harness & Mill Supply Co., Allentown, Pa.
Hall I. A. & Co., Paterson, N. J.
Walder Jacob, Paterson, N. J.

**15237— Loom Strapping**

American Supply Co., 135 Washington, Providence, R. I.
Barlow John W. Co., Lawrence, Mass.
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
Coupe Wm. Co. (Ltd.), So. Attleboro, Mass.
Graton & Knight Mfg. Co. (Rawhide), Worcester, Mass.
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Hall I. A. & Co. (Estate of), Paterson, N. J.
Jacobs E. H. Mfg. Co., Danielson, Conn.
Lahue M. M. & Co. (Steel Lug Straps & Friction Bands for Warp Beams), Lowell, Mass.

Milliken L. W. & Son, Franklin, Mass.
National Leather Mfg. Co., Niles, Mich.
Page Belting Co., Concord, N. H.
Van Riper Mfg. Co., Paterson, N. J.
Weatherhead, Thompson & Co., Pawtucket, R. I.
Whiting Henry F., Lowell, Mass.

### 15238— Loom Temples

Crompton & Knowles Loom Works, Worcester, Mass.
Draper Corp. ("Dutcher"), Hopedale,

### 15239— Looms

Alvord Clinton, 7 Summer, Worcester, Mass.
Crompton & Knowles Loom Works (Automatic), Worcester, Mass.
Draper Corp. ("Northrop"), Hopedale, Mass.
Eastwood Benj. Co., Paterson, N. J.
Greenville Loom, Reid & Harness Co., Greenville, S. C.
Hopedale Mfg. Co., Milford, Mass.
Hughes & Russum (All Kinds), Oxford & Hedge, Phila., Pa.
Insinger Co., Stenton av, Phila., Pa.
Jefferson Edw. & Bro. (Imp), 19 S 2d, Phila., Pa.
Kilburn, Lincoln Machine Co., Fall River, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Lyall J. & W., Passaic, N. J.
Mason Machine Works, Taunton, Mass.
Schaum & Uhlinger, N American & Glenwood av, Phila., Pa.
Stafford Co. (Automatic), Readville, Mass.
Whitin Machine Works, Whitinsville, Mass.
Widmer Bros., Paterson, N. J.

### 15240— Looms (Axminster)

Crompton & Knowles Loom Works, Worcester, Mass.
Whitin Machine Works, Whitinsville, Mass.
Worcester Loom Works (Wide), 7 Summer, Worcester, Mass.

### 15241— Looms (Bag)

Crompton & Knowles Loom Works, Worcester, Mass.
Stafford Co. ("Ideal" Automatic), Readville, Mass.

### 15242— Looms (Broad)

Eastwood Benj. Co., Paterson, N. J.

### 15243— Looms (Carpet)

Chief Mfg. Co., Indianapolis, Ind.
Crompton & Knowles Loom Works, Worcester, Mass.
Giant Mfg. Co., Council Bluffs, Ia.
Leigh & Butler, 232 Summer, Boston, Mass.
Lyall J. & W., Passaic, N. J.
Reed Mfg. Co., Springfield, O.
Worcester Loom Works (Wm. Smith & Bros.), Worcester, Mass.

### 15244— Looms (Cassimere)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15245— Looms (Circular)

Royle John & Sons (Inc.) ("De Laski" for Hose Jackets), Paterson, N. J.

### 15246— Looms (Cotton)

Crompton & Knowles Loom Works, Worcester, Mass.
Fall River Fdry. & Machine Co., Fall River, Mass.
Hughes & Russum, Oxford & Hedge, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.
Leigh & Butler, 232 Summer, Boston, Mass.
Mason Machine Works, Taunton, Mass.
Stafford Co., Readville, Mass.
Whitin Machine Works, Whitinsville, Mass.

### 15247—Looms (Cotton Blanket)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15248— Looms (Cotton Duck)

Poole Engng. & Mach. Co., Woodberry sta, Baltimore, Md.
Stafford Co. ("Ideal" Automatic), Readville, Mass.

### 15249— Looms (Curtain)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15250— Looms (Dress Goods)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15251— Looms (Embroidery)

Walther Otto (Mfrs.' Agent), Bourse, Phila., Pa.

### 15252— Looms (Fancy)

Crompton & Knowles Loom Works, Worcester, Mass.
Hughes & Russum, Oxford & Hodge, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.
Stafford Co., Readville, Mass.

### 15253— Looms (Felting)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15254— Looms (Fire Hose)

Kilburn Lincoln Machine Co., Fall River, Mass.
Royle John & Sons (Inc.) ("De Laske"), Paterson, N. J.

### 15255— Looms (Gingham)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15256— Looms (Goring)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15257— Looms (Jacquard)

Crompton & Knowles Loom Works, Worcester, Mass.
Eastwood Benj. Co., Paterson, N. J.
Halton's Thos. Sons, Allegheny av & C, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.
Schaum & Uhlinger, N American & Glenwood av, Phila., Pa.

### 15258— Looms (Jean)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15259— Looms (Jute Carpet)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15260— Looms (Plush)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15261—Looms (Rag Carpet & Rug)

Newcomb Loom Co., Davenport, Ia.

### 15262— Looms (Ribbon)

Crompton & Knowles Loom Works, Worcester, Mass.
Schaum & Uhlinger, N American & Glenwood av, Phila., Pa.
Widmer Bros., Paterson, N. J.

### 15263— Looms (Rug)

Chief Mfg. Co., Indianapolis, Ind.
Crompton & Knowles Loom Works, Worcester, Mass.
Giant Mfg. Co., Council Bluffs, Ia.
Reed Mfg. Co., Springfield, O.

### 15264— Looms (Silk)

Crompton & Knowles Loom Works, Worcester, Mass.
Eastwood Benj. Co., Paterson, N. J.
Hughes & Russum, Oxford & Hodge, Phila., Pa.
Kilburn Lincoln Machine Co., Fall River, Mass.
Mason Machine Works, Taunton, Mass.
Stafford Co., Readville, Mass.

### 15265— Looms (Suspender)

Crompton & Knowles Loom Works, Worcester, Mass.
Schaum & Uhlinger, N American & Glenwood av, Phila., Pa.

### 15265a— Looms (Tire Fabric)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15266— Looms (Upholstery)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15267— Looms (Velvet)

Crompton & Knowles Loom Works, Worcester, Mass.

### 15268— Looms (Webbing)

Crompton & Knowles Loom Works, Worcester, Mass.
Kilburn Lincoln Machine Co., Fall River, Mass.

### 15269— Looms (Woolen)

Crompton & Knowles Loom Works, Worcester, Mass.
Hughes & Russum, Oxford & Hedge, Phila., Pa.
Leigh & Butler, 232 Summer, Boston, Mass.
Smith James Woolen Mach'y Co., Hancock & Somerset, Phila., Pa.
Union Engineering Co., Cuyahoga & W 4th, Cleveland, Ohio

### 15270— Looms (Worsted)

Crompton & Knowles Loom Works, Worcester, Mass.
Hughes & Russum, Oxford & Hedge, Phila., Pa.
Leigh & Butler, 232 Summer, Boston, Mass.
Stafford Co., Readville, Mass.

### 15271— Loopers

ARGUTO OILLESS BEARING CO. ("Ravlwind-Arguto"), Wayne Junction, Phila., Pa. *See adv index at end of book*
Beattie Mfg. Co., Cohoes, N. Y.
Campbell & Clute Machine Co., Cohoes, N. Y.
Grosser Knitting Mach. Co., 260 W B'way, New York
Hepworth Jno. W. & Co., Lehigh & Mascher, Phila., Pa.
Leighton Machine Co., Manchester, N. H.
Southern Textile Machinery Co., Paducah, Ky.

### 15272— Lug Straps

Bond Chas. Co., 617 Arch, Phila., Pa.
Chicago Rawhide Mfg. Co. (Rawhide), 1301 Elston av, Chicago, Ill.
Houghton E. F. & Co. ("Houghton's Patent Rockers"), 240 W Somerset, Phila., Pa.
Jacob E. H. Mfg. Co. ("Very Best," "Crescent," "Star"), Danielson, Conn.
Milliken L. W. & Son (Duck, Ticking & Leather), Franklin, Mass.
Victor-Balata & Textile Belting Co. "V. B." ("Victor-Balata"), 38 Murray, New York

### 15273— Lumpers

Clark Machine & Foundry Co., Franklin, Mass.
Gerry Geo. & Son, Athol, Mass.
Smith Jas. Woolen Mach'y Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

### 15274— Mails (Brass & Steel)

Ulrich Co., Paterson, N. J.
Walder Jacob, Paterson, N. J.

### 15275— Mantle Knittings

Knit Goods Specialty Co. (All Styles), Chicopee Falls, Mass.

### 15276— Mercerizing Machines

Birch Bros., Somerville, Mass.
Butterworth H. W. & Son Co., 2415 E York, Phila., Pa.
Klauder-Weldon Dyeing Machine Co., Yardley, Pa.
Smith Drum & Co., Allegheny av & 5th, Phila., Pa.
Textile Finishing Machinery Co. (Cloth or Yarn), 171 Westminster, Providence, R. I.

15277— Mill Soaps

American Soap & Washoline Co., Cohoes, N. Y.
American Textile Soap Co., Springfield, Mass.
Dobbins Soap Mfg. Co., 119 S 4th, Phila., Pa.
Draper J. O. Co., Pawtucket, R. I.
Eastern Supply Co. (Palm & Olive Oil), 2 Canterbury, Worcester, Mass.
Eavenson J. & Sons, Camden, N. J.
Eavenson J. & Sons, Del. & Penn av, Phila., Pa.
Farrington William U. (Est. of), E Greenwich, R. I.
Fox Chas. J., 313 S Philip, Phila., Pa.
General Adhesive Mfg. Co., Inc. (For Textile), 469 Greenwich, New York
Harding H. C., Sedgley av & W 17th, Phila., Pa.
Hersom Thos. & Co. (Powder), New Bedford, Mass.
Holbrook Mfg. Co., 17th, Jersey City, N. J.
India Alkali Wks., 28 India Wharf, Boston, Mass.
Jaeck Louis Co., 257 Front, New York
Johnson B. J. Soap Co., 42 4th, Milwaukee, Wis.
Kenney F. Mfg. Co., 368 Dorchester av, Boston, Mass.
Kerkeslager M. W., 17th & Sedgley av, Phila., Pa.
O. K. Soap Co., 968 Franklin, Phila., Pa.
Phila. Textile Chem. Wks., Arrott & Reading RR., Frankford, Phila., Pa.
Portsmouth Cotton Oil Refining Corp. (Cotton Seed), Portsmouth, Va.
Rome Soap Mfg. Co., Rome, N. Y.
Royal Chemical Co., Phenix, R. I.
Specification Soap & Oil Co., 427 W 13th, New York
Standard Soap Co., Camden, N. J.
Warren Soap Mfg. Co., 77 Summer, Boston, Mass.
White & Bagley Co., Worcester, Mass.
Woodley Soap Mfg. Co., 33 Norfolk av, Rox, Boston, Mass.

**Mill Supplies (Textile)**

See Mill & Factory Supplies

**Mill Wire Goods**

See Drop Wires, also Guide Wires

15278-9—Moistening Apparatus (Air)

American Moistening Co., 120 Franklin, Boston, Mass.
Braun-Knecht-Heimann Co. (Brown-Duvel), 576-584 Mission, San Francisco, Cal.
Carrier Engg. Corp., 39 Cortlandt, New York
Garland Mfg. Co., Saco, Me.
Green Fuel Economizer Co., Beacon, N. Y.
Normalair Co., Winston-Salem, N. C.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Turner J. S. Mfg. Co., Lowell, Mass.

15280— Motions (Doffer Comb)

Barker Jas., 6th & Cayuga, Phila., Pa.

15281—Motions (Drawing Frame Stop)

Riley C. E. Co., 161 Devonshire, Boston, Mass.

15282— Motions (Evener)

Saco-Lowell Shops, 77 Franklin, Boston, Mass.

15283—Motions (Knitting Machine Stop)

Crawford Mfg. Co., New Brunswick, N. J.
General Machine Works, York, Pa.
Nye & Tredick Co., 720 Cherry, Phila., Pa.
Ruth Machine Co., York, Pa.
Wildman Mfg. Co., Norristown, Pa.

15284— Motions (Loom Stop)

Draper Corp. (Loom Warp Stop), Hopedale, Mass.
Mossberg Frank Co. (& parts), Attleboro, Mass.

15285-6—Motions (Selvage)

Crompton & Knowles Loom Works, Worcester, Mass.

15287— Motions (Spooler Stop)

Fall River Foundry & Machine Co., Fall River, Mass.
Schock Gustav & Son, 514 W 57th, New York

15288— Motions (Twister Stop)

Draper Corp. ("Smith's"), Hopedale, Mass.

15289— Motions (Warp Stop)

Coldwell Gildard Co. ("C. & G."), 95 Milk, Boston, Mass.
Crompton & Knowles Loom Works, Worcester, Mass.
Draper Corp., Hopedale, Mass.
Hopedale Mfg. Co., Milford, Mass.
Mossberg Wrench Co. ("Kip Armstrong" Electric), 25 Charles, Providence, R. I.
Stafford Co., Readville, Mass.

15290— Mule Attachments

ARGUTO OILLESS BEARING CO. ("Arguto"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Bagshaw W. H. Co., Lowell, Mass.
Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.

15291— Mules (Cotton)

ARGUTO OILLESS BEARING CO. ("Arguto"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Bagshaw W. H. Co., Lowell, Mass.
Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.
Firth Wm. (Asa Lees & Co. Ltd.), 200 Devonshire, Boston, Mass.
Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.
Riley C. E. Co. ("Threlfal" Self-Acting), 161 Devonshire, Boston, Mass.

15292— Mules (Self-Acting)

ARGUTO OILLESS BEARING CO. ("Arguto"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Firth Wm. (Asa Lees & Co. Ltd.), 200 Devonshire, Boston, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Smith & Furbush Mach. Co. ("Furbush"), Hancock & Somerset, Phila., Pa.
Smith Jas. Woolen Machinery Co. (English & Melton Styles), Hancock & Somerset, Phila., Pa.

15293— Mules (Woolen)

American Loom, Harness & Reed Co., Greenville, S. C.
ARGUTO OILLESS BEARING CO. ("Arguto"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Johnson & Bassett, Worcester, Mass.
Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.
Riley C. E. Co. (Self-Acting), 161 Devonshire, Boston, Mass.
Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.

15294— Mules (Worsted)

ARGUTO OILLESS BEARING CO. ("Arguto"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Birch Bros., Somerville, Mass.
Borchers Rich'd C. & Co., Womrath & Tackawanna Fkd., Phila., Pa.
Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.
Firth Wm. (Asa Lees Co. Ltd.), 200 Devonshire, Boston, Mass.
Leigh & Butler ("Platt's"), 232 Summer, Boston, Mass.
Riley C. E. Co. (Self-Acting), 161 Devonshire, Boston, Mass.

15295— Napping Machines

Ardrey S. B. & Sons, Bristol, Pa.
Birch Bros., Somerville, Mass.
Borchers Richard C. & Co., Womrath & Tackawanna, Fdk., Phila., Pa.
Buhlmann A. W., 200 5th av, New York
Curtis & Marble Mach. Co., Worcester, Mass.
Davis & Furber Machine Co. (Planetry), North Andover, Mass.
Gerry Geo. W. & Son, Athol, Mass.
Gessner David Co., Worcester, Mass.
Hunter James Machine Co. (Chinchilla Napping or Kiffling), North Adams, Mass.
McCreary Edw., Cohoes, N. Y.
Parks & Woolson Machine Co., Springfield, Vt.
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Stafford & Holt, Little Falls, N. Y.
Woonsocket Napping Machinery Co., Woonsocket, R. I.

15296— Neck Marking Machines

Firsching John A., Utica, N. Y.
Fisher-Knitting Machine Co., Utica, N. Y.
Utica Novelty & Mill Specialty Co. (Electric Headed), Utica, N. Y.

15297— Needles (Comber)

Bragg John I., 24 Atwood, Providence, R. I.
Crabb Wm. & Co., 3rd av, Newark, N. J.
Pennebaker-Turley, Chattanooga, Tenn.
Townsend Thos., 157 Orange, Providence, R. I.

15298—Needles (Knitting Machines)

Acme Knitting Machine & Needle Co., Franklin, N. H.
Adams G. H. Co., Hill, N. H.
Beckert Needle & Supply Co., 4929 Green, Phila., Pa.
Brinton H. Co., 213 Race, Phila., Pa.
Cooper Chas. (Est. of), Bennington, Vt.
Corey Wm. Co., Manchester, N. H.
Currier Needle Co., Manchester, N. H.
Ives Loyal T. Co., New Brunswick, N. J.
Laconia Needle Co., Laconia, N. H.
Lydall H. & Foulds, Manchester, Conn.
Manufacturers' Supplies Co., Juniper & Cherry, Phila., Pa.
Page Needle Co., Chicapee Falls, Mass.
Potter Fred J. (Spring Beard), New Brunswick, N. J.
TORRINGTON CO., THE EXCELSIOR PLANT, Successor to Excelsior Needle Co. ("Standard," "Excelsior" Latch), Torrington, Conn.
*See adv index at end of book*

15299— Needles (Latch)

Acme Knitting Machine & Needle Co., Franklin, N. H.
Adams Geo. H. Co., Hill, N. H.
Continental Latch Needle Co. ("Heaton"), 120 Liberty, New York
Cooper Chas. (Est. of), Bennington, Vt.
Corey Wm. Co., Manchester, N. H.
Crane Mfg. Co., Lakeport, N. H.
Franklin Needle Co., Franklin, N. H.
Keystone Latch Needle Co. (Spring Bottom), 543 W Lehigh av, Phila., Pa.
Laconia Needle Co., Laconia, N. H.
Lamb Knitting Machine Co., Chicopee Falls, Mass.
Page Needle Co., Chicopee Falls, Mass.
TORRINGTON CO., THE EXCELSIOR PLANT, Successor to Excelsior Needle Co. ("Standard" & "Excelsior"), Torrington, Conn.
*See adv index at end of book*

15300—Needles (Sewing Machine)

National Sewing Machine Co., Belvidere, Ill.
Singer Sewing Machine Co., 149 B'way, New York
Thornton John Jr. ("Jas. Smith & Son," "Cleopatra" Imp.), 108 Worth, New York
Tompkins Bros. Co., Troy, N. Y.
Torrington Co., The Excelsior Plant, successor to Excelsior Needle Co. ("Excelsior"), Torrington, Conn.
*See adv index at end of book*

15301—Needles (Spring Knitting)

American Spring Needle Works, New Britain, Conn.
Breedon's Wm. Son, Amsterdam, N. Y.
Cooper Chas. (Est. of), Bennington, Vt.
Crane Mfg. Co., Lakeport, N. H.
Ives Loyal T. Co., New Brunswick, N. J.
Lydall H. & Foulds, Manchester, Conn.
Tompkins Bros. Co., Troy, N. Y.

15301a— Oil Rings

Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

15302—Openers & Feeders (Wool Washer)

Harwood Geo. S. & Son, Exchange bldg., Boston, Mass.

15303-4—Openers & Lappers (Cotton)

Birch Bros. (Conical Openers), Somerville, Mass.
H. & B. Am. Machine Co., Pawtucket, R.I.

Leigh & Butler ("Platt"), 232 Summer, Boston, Mass.
Riley C. E. Co., 161 Devonshire, Boston,
tucket, R. I.
Potter & Johnston Machine Co., Paw-
Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.
Whitin Machine Works, Whitinsville, Mass.

### Overseaming Machines
See Sewing Machines

### 15305— Oxidizing Machines
Philadelphia Drying Machinery Co., 3351 Stokley, Phila., Pa.
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.

### 15306— Padding Machines
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Watson Machine Co., Paterson, N. J.

### 15307— Piano Machines
Royle John & Sons (Jacquard Card), Paterson, N. J.

### 15308— Picker Leather
American Supply Co., 135 Washington, Providence, R. I.
Billington Jas. H. Co. (Imp.), 113 Chestnut, Phila., Pa.
Bond Chas. Co. (Imp.), 617 Arch, Phila., Pa.
Chicago Rawhide Mfg. Co. (Rawhide), 1301 Elston av, Chicago, Ill.
Coupe Wm. Co. (Ltd.), ("Excelsior" Raw Hide), S Attleboro, Mass.
Foulds I. & Son, Hudson, Mass.
Groezinger's G. Sons ("Helvetia"), Lancaster, Pa.
Holbrook Raw Hide Co. ("Tenax"), 748 N Main, Providence, R. I.
Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
Norwich Belt Mfg. Co. ("Tan-Bo" Rawhide), Norwich, Conn.
Page Belting Co., Concord, N. H.
Pechin Belting Co., Fairmount & Front, Phila., Pa.
Shultz Belting Co., Fourth & Barton, St. Louis, Mo.
Van Riper Mfg. Co., Paterson, N. J.

### 15309— Picker Parts
Crabb Wm. & Co., 3d av, Newark, N. J.
Dodge Chas. S., Lowell, Mass.

### 15310— Picker Pins
Bagshaw W. H. Co., Lowell, Mass.
Dodge C. S. (Hot Forged), Lowell, Mass.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

### 15311— Picker Sticks
Brusher J. B., Norristown, Pa.
Keith J. M. & Co. (Hickory), Eastford, Conn.
Loveland, L. H. Co., Rumney, N. H.
Nashua Spool & Bobbin Co. (Hickory), Grove Hall Station, Boston, Mass.
STILES H. A. & CO. (Wood), 93-97 Oliver Boston, Mass. *See adv index at end of book*
Strock L. W. & Co., Bethlehem, Pa.
Tatem J. B. & Son, Putnam, Conn.
Torrey Bros. Co., Central Village, Conn.
Warlick & Sherrill Co., Granite Falls, N. C.

### 15312— Picker Teeth
Crabb Wm. & Co., 3d av, Newark, N. J.

### 15313— Pickers (Burr)
Brown Cotton Gin Co. ("Parkhurst"), New London, Conn.
Curtis & Marble Machine Co. ("Goddard," "Parkhurst"), Worcester, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

### 15314— Pickers (Cotton)
Clark Machine & Fdy. Co., Franklin, Mass.
Curtis & Marble Mach. Co., Worcester, Mass.
Garland Mfg. Co., Saco, Me.
H. & B. Am. Machine Co., Pawtucket, R. I.
Potter & Johnston Mach. Co., Pawtucket, R. I.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Schofield Wm. C., Krams ab. Wilde, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush"), Hancock & Somerset, Phila., Pa.
Whitin Mach. Works, Whitinsville, Mass.

### 15315— Pickers (Cotton Filled)
Wilkins Mfg. Co., Woonsocket, R. I.

### 15316— Pickers (Hair)
Curtis & Marble Machine Co. ("Atlas"), Worcester, Mass.
Ehrsam J. B. & Sons' Mfg. Co., Enterprise, Kans.
Harrington Geo. S. Co., 77 Washington, No. Boston, Mass.
Smith & Furbush Machine Co. (Improved Opener & Cleaner), Hancock & Somerset, Phila., Pa.
Willcomb Geo. Co. ("Prize"), 60 Chardon, Boston, Mass.

### 15317— Pickers (Loom)
Akron Belting Co. (Leather), Akron, O.
Allentown Reed Harness & Mill Supply Co., Allentown, Pa.
American Supply Co. (Leather), 135 Washington, Providence, R. I.
Barlow John W. Co., Lawrence, Mass.
Billington Jas. H. Co., 113 Chestnut, Phila., Pa.
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Coupe Wm. Co. (Ltd.), So. Attleboro, Mass.
Crane Bros., Westfield, Mass.
Crompton & Knowles Loom Works, Worcester, Mass.
Garland Mfg. Co., Saco, Me.
Holbrook Raw Hide Co. (Rawhide), 748 N Main, Providence, R. I.
Hudson Belting Co. (Leather), 3 Eaton pl, Worcester, Mass.
Jacobs E. H. Mfg. Co. ("Northrop," "XXCY," "Surpass WX," "B. G. D." "Daisy"), Danielson, Conn.
Kimball L. S. (Leather), Lowell, Mass.
Milliken L. W. & Son, Franklin, Mass.
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Union Belt Co., Fall River, Mass.
Whitin Machine Works ("Atherton"), Whitinsville, Mass.

### 15318— Pickers (Mixing)
Brown Cotton Gin Co., New London, Conn.
Clark Machine & Foundry Co., Franklin, Mass.
Curtis & Marble Machine Co. ("Atlas," "Fearnaught"), Worcester, Mass.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

### 15319—Pickers (Rag or Shoddy)
Brierly-Lombard Co., Worcester, Mass.
Clark Machine & Fdry. Co., Franklin, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Dodge C. S., Lowell, Mass.
Gerry Geo. & Son, Athol, Mass.
Lombard Machine Co., Worcester, Mass.
Schofield Wm. Co., Krams ab. Wilde, Phila., Pa.
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.
Smith & Furbush Machine Co. ("Proctor"), Hancock & Somerset, Phila., Pa.

### 15320—Pickers & Cleaners (Stock)
Smith James Woolen Machinery Co., Hancock & Somerset, Phila., Pa.

### 15321— Pins (Cast Steel)
Hood R. H. Co. ("English"), 1842 Germantown av, Phila., Pa.

### 15322—Plaiting & Fluting Machines
Ahlstrom O. J., 711 B'way, New York
Chandler Machine Co., Ayer, Mass.
Durbrow & Hearne Mfg. Co., 12 Wooster, New York
Lindner & Vradenburgh, 239 Centre, New York
Maxant Button Supply Co., 118 S Clinton, Chicago, Ill.

### 15323— Press Papers & Boards
Case Brothers, Highland Park, Conn.
HEWITT C. B. & BROS., 20 Ferry, New York *See adv index at end of book*
Merwin Paper Co., Hartford, Conn.
Rogers Paper Mfg. Co., South Manchester, Conn.
Wolf Bros., 330 N 12th, Philadelphia, Pa.

### 15324— Pressers & Flyers
Baker Mach. Co., New Bedford, Mass.

### 15324a— Presses (Baling Cloth)
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
DUNNING & BOSCHERT PRESS CO., 379 West Water, Syracuse, N. Y.
*See adv index at end of book*

### 15325— Presses (Cloth)
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Hydraulic Press Mfg. Co., Mt. Gilead, O.
*See adv index at end of book*
Nashua Steam Press & Boiler Wks, Nashua, N. H.

### 15326-7-8—Presses (Cloth, Rotary Steam)
Curtis & Marble Machine Co., Worcester, Mass.
Fisher Knitting Machine Co., Utica, N. Y.
Hart Chas., Plum & Hedge, Phila., Pa.
Voelker Geo. W. & Co., Woonsocket, R. I.
Woonsocket Mach. & Press Co., Woonsocket, R. I.

### Presses (Steam)
See Presses, Cloth, Rotary Steam

### 15329—Pumicing Machines (Worsted)
Curtis & Marble Machine Co., Worcester, Mass.

### 15330— Quillers
Altemus Jacob K., 2824 N 4th, Phila., Pa.
Atwood Machine Co., Stonington, Conn.
Crompton & Knowles Loom Works, Worcester, Mass.
Eastwood Benj. Co. ("Silk"), Paterson, N. J.
Foster Machine Co., Westfield, Mass.
Lever, Oswald Co. (Cross Traverse), 13th & Cumberland, Phila., Pa.
North Chelmsford Machine & Supply Co. (Yarn), North Chelmsford, Mass.
Payne Geo. W. & Co. (Upright), Pawtucket, R. I.
Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.
Whitin Machine Works ("Long Chain"), Whitinsville, Mass.

### 15331— Quills
Allentown Reed Harness & Mill Supply Co., Allentown, Pa.
Hall I. A. & Co., Paterson, N. J.
Ulrich Co., Paterson, N. J.
Walder Jacob, Paterson, N. J.

### 15332— Railway Heads
Fall River Foundry & Machine Co., Fall River, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass.

### 15333— Rashel Machines
Grosser Knitting Machine Co., 260 W B'way, New York
Spindler E. O. (Imp), 350 B'way, New York

### 15334-5— Ravelers
American Raveller Co., Philmont, N. Y.
Brown E. H. Mfg. Co., Troy, N. Y.

### 15336— Reeds
Allentown Reed, Harness & Mill Supply Co., Allentown, Pa.

REEDS—continued
American Loom, Harness & Reed Co., Greenville, S. C.
**American Supply Co. (Loom), 135 Washington, Providence, R. I.**
**Andrews' Loom Reed Harness Works,** Spartanburg, S. C.
Baldwin Jas. Co., Manchester, N. H.
Benazet Heddle Co. (Ltd.), 214 W Dauphin, Phila., Pa.
**Blackstone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.**
Carruthers Robt. Co., Lowell, Mass.
Charlotte Mfg. Co., Charlotte, N. C.
**Crabb William & Co., 3d av, Newark, N. J.**
**Emmons Loom Harness Co., Lawrence, Mass.**
**Excelsior Loom Reed Works, Pawtucket, R. I.**
Fearnley Arthur J., Fall River, Mass.
Gibbs Loom, Harness & Reed Co., Clinton, Mass.
Goss J. & E., Fall River, Mass.
Gowdey J. A. Reed & Harness Mfg. Co., 1226 N Main, Providence, R. I.
Greenville Loom Reed & Harness Co., Greenville, S. C.
Hall I. A. & Co., Estate of, Paterson, N. J.
Hayes Loom, Reed & Harness Co., Woonsocket, R. I.
Heywood Bros. & Wakefield Co., Gardner, Mass.
Larkin Reed Co., Danielson, Conn.
Luther Reed Mfg. Co., Fall River, Mass.
McGregor & Sons, Fall River, Mass.
Paterson Reed & Harness Co., Paterson, N. J.
**Schmidt H. E. & Co. (Loom), New Bedford, Mass.**
Ulrich Co., Paterson, N. J.
Walder Jacob, Paterson, N. J.
Walker Mfg. Co., Kensington & Ontario, **Philadelphia, Pa.**
Whitaker Reed Co., Worcester, Mass.
Wilkins Mfg. Co., Woonsocket, R. I.
Williams J. H. Co. (Loom), Millbury, Mass.

### 15337— Reel Cabling Machines
New England Butt Co., 304 Pearl, Providence, R. I.

### 15338— Reels
**Altemus Jacob K., 2824 N 4th, Phila., Pa.**
Draper Corp., Hopedale, Mass.
Firth Wm. ("Stubbs"), 200 Devonshire, Boston, Mass.
Hopedale Mfg. Co., Milford, Mass.
Lever Oswald Co., 13th & Cumberland, **Philadelphia, Pa.**
Lindsay, Hyde & Co., 2130 E York, Phila., Pa.
Luther C. A. & Co. (Thread & Yarn), Pawtucket, R. I.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
**Saco-Lowell Shops, 77 Franklin, Boston, Mass.**
Scott Henry L. & Co. (Roving), 101 Blackstone, Providence, R. I.
Sipp Machine Co. (Power), Paterson, N. J
Smith Jas. Woolen Machy. Co., Hancock **& Somerset, Philadelphia, Pa.**
Whitin Machine Works, Whitinsville, Mass.

### 15339—Reels (Skeining & Measuring)
Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.

### 15340— Reels (Testing)
Sipp Machine Co., Paterson, N. J.

### 15341— Reels (Yarn)
Brown & Sharpe Mfg. Co., Providence, R. I.
Diamond Textile Machine Works, 1820 N **10th, Philadelphia, Pa.**
Firth Wm. (Goodbrandt & Co.), 200 Devonshire, Boston, Mass.
Lever Oswald Co., 13th & Cumberland, **Philadelphia, Pa.**
Luther C. A. & Co., Pawtucket, R. I.
Saco-Lowell Shops, 77 Franklin, Boston, **Mass.**
Smith Jas. Woolen Machy. Co., Hancock **& Somerset, Philadelphia, Pa.**
**Whitin Machine Works, Whitinsville, Mass.**

### 15342— Regulators (Evener)
Saco-Lowell Shops ("Britton"), 77 Franklin, Boston, Mass.

### 15343—Rib Cutting & Folding Machines
Cooper Chas. (Est. of), (Automatic), Bennington, Vt.

### 15344— Roll Coverers
Aubertin Jos. F., New Bedford, Mass.
Barlow Jno. W. Co., Lawrence, Mass.
Bridge Jno., Chester, Pa.
Cummings Geo. & Son, Fall River, Mass.
Davis & McLane Mfg. Co., Fall River, Mass.
Dickey Belting Co., Lewiston, Me.
Godfrey E. J. Co., North Adams, Mass.
Godfrey & Bolger, Adams, Mass.
Hathaway O. H. Co., Central Falls, R. I.
Holyoke Machine Co., Holyoke, Mass.
Hood R. H. Co., 1842 Gtn. av, Phila., Pa.
Houghton E. F. & Co. ("Vim" Leather), 240 Somerset, Phila., Pa.
Lakey C. T., Georgiaville, R. I.
McLanathan F. W. & Son, Lawrence, Mass.
Marsland James, Lawrence, Mass.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.
Pechin Belting Co., Orchard & Torsdale, Phila., Pa.
Rowton H. A., Fitchburg, Mass.
Skinner C. E. & J. F., Valley Falls, R. I.
Tripp Jno. & Co., Lowell, Mass.
Turner J. S. Mfg. Co., Lowell, Mass.
Union Belt Co., Fall River, Mass.
Wainwright R., Westpoint, Ga.
Wetherell Orrin B. & Son Fall River, Mass.

### 15345— Roll Coverers' Tools
American Supply Co., 135 Washington, Providence, R. I.
Dennis John Machine Co., Lowell, Mass.

### 15346—Roller Covering Machines
Turner J. S. Mfg. Co. ("Turner's" Worsted), Lowell, Mass.

### 15347— Roller Leather
English C. R. Co., 167 Oliver, Boston, Mass.
Foulds I. & Son, Hudson, Mass.
Houghton E. F. & Co. ("Vim"), 240 W Somerset, Phila., Pa.
North Chelmsford Machine & Supply Co., North Chelmsford, Mass.

### 15348— Roller Skins
American Supply Co., 135 Washington, Providence, R. I.
Firth Wm. (Kershaw & Sons), 200 Devonshire, Boston, Mass.
Spencer Wilton H. (Imported English), 11 Exchange pl, Providence, R. I.
Stone C. Moulton Co., 456 Benefit, Providence, R. I.

### 15349—Rollers (Copper Printing)
Taunton-New Bedford Copper Co., Taunton, Mass.
Textile Finishing Machy Co., 171 Westminster, Providence, R. I.

### 15350— Rolls (Card Feed)
See also Feeds
Adams J. T., Lowell, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Fall River Fdry. & Mach. Co., Fall River, Mass.
Harwood Geo. S. & Son, Exchange bldg., Boston, Mass.
Hood R. H. Co. ("Harding's" Intersecting"), 1842 Gtn. av, Phila., Pa.
Smith & Furbush Machine Co. (Metallic), Hancock & Somerset, Phila., Pa.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.

### 15351— Rolls (Fluted)
Leigh & Butler, 232 Summer, Boston, Mass.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Thurston A. G. & Son, Fall River, Mass.
Whitin Machine Works, Whitinsville, Mass.

### 15352—Rolls (Metallic Drawing)
Metallic Drawing Roll Co., Indian Orchard, Mass.

### 15353— Rolls (Temple)
Draper Corp., Hopedale, Mass.
Hopedale Mfg. Co., Milford, Mass.

### 15354— Rotary Gills
Bagshaw W. H. Co., Lowell, Mass.

### 15355— Rovers & Reducers
Saco-Lowell Shops (Worsted), 77 Franklin, Boston, Mass.

### 15356— Saddles (Lubricating)
Dixon Lubricating Saddle Co., Bristol, R. I.

### 15357—Saddles & Fixtures (Tension)
**ARGUTO OILLESS BEARING CO.** ("Arguto" for Cotton & Woolen Spinning Frames), Wayne Junction, Phila., Pa. *See adv index at end of book*

### 15358— Sample Card Machines
American Numbering Machine Co. (Numbering), 224 Shepherd av, Brooklyn, **N. Y.**

### 15359— Sanding Machines
Curtis & Martin Machine Co. (Club), Worcester, Mass.
Kent Vacuum Cleaner Co. ("Utility") Rome, N. Y.
Parks & Woolson Mach. Co., Springfield, Vt.

### 15360— Scales (Band Tension)
Draper Corp., Hopedale, Mass.

### 15361— Scales (Dramming)
Sipp Machine Co., Paterson, N. J.

### 15362—Scales (Garment, Lever Balance)
Sweet & Doyle, Cohoes, N. Y.

### 15363— Scales (Yarn)
Brown & Sharpe Mfg. Co., Providence, R. I.
Fairbanks Co., 416 Broome, New York
**Sipp Machine Co., Paterson, N. J.**
Sweet & Doyle, Cohoes, N. Y.

### 15364— Scallop Machines
**Merrow Machine Co., Hartford, Conn.**
**National Automatic Knitter Co., 2725** Mutter, Philadelphia, Pa.

### 15365— Scarfing Machines
Luther C. A. & Co., Pawtucket, R. I.

### 15365a— Scouring Machines (Hair)
Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*

### 15366—Scouring Machines (Wool)
**Hunter James Machine Co., North Adams, Mass.**
Klauder-Weldon Dyeing Machine Co., Amsterdam, N. Y.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Smith Jas. Woolen Machy. Co., Hancock **& Somerset, Philadelphia, Pa.**

### 15367—Scouring Machines (Yarn)
**Lorimer Machinery Co., Ontario & Lawrence, Phila., Pa.**
**Phila. Drying Machinery Co.** ("Hurricane"), 3351 Stokley, Phila., Pa.
Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa.
*See adv index at end of book*

### 15368— Screens (Card)
**New England Ventilating & Heating Co.,** 926 Manton av, Providence, R. I.

### 15369— Scutchers
**Birch Bros., Somerville, Mass.**
Leyland Thomas & Co., Readville, Boston, **Mass.**
**Textile Fininshing Machinery Co., 171 Westminster, Providence, R. I.**

### 15370—Separators (Spinning Frame)
Draper Corp. ("Rhoades - Chandler"), Hopedale, Mass.

### 15371— Separators (Yarn)
Draper Corp., Hopedale, Mass.

### 15372—Shearing Machines (Textile)
Curtis & Marble Machine Co., Worcester, **Mass.**
Parks & Woolson Machine Co., Springfield, **Vt.**

**15373—Shearing & Brushing Machine (Combined)**

**Curtis & Marble Machine Co., Worcester, Mass.**

**15374— Shoddy Machinery**

Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, **Mass.**

**15375— Shuttle Blocks**

**Anchor Saw Mills Co., Memphis, Tenn.**
**Cox J. Elwood, Highpoint, N. C.**
Willingham E. G., Memphis, Tenn.
Wood A. C., Advance, N. C.

**15376— Shuttle Eyes**

**Mitchell-Bissell Co., 251 4th av, New York**

**15377— Shuttle Guards**

**Crompton & Knowles Loom Works, Worcester, Mass.**
Draper Corp. ("Sullivan"), Hopedale, Mass.

**15378— Shuttle Irons**

**Chase F. A. & Co., 253 W Exchange, Providence, R. I.**
Dudley D. T. & Son Co., Wilkinsonville, Mass.
Litchfield Shuttle Co., Southbridge, Mass.
Marble E. W. & Co., Wilkinsonville, Mass.
Richardson & Bottomley, West Mansfield, Mass.
Worcester Gear Works, Inc. (To Specification), 33 N Foster, Worcester, Mass.

**15378a— Shuttle Straps**

Victor-Balata & Textile Belting Co. "V. B." ("Victor-Balata"), 38 Murray, New York

**15379— Shuttle Threaders**

Lahue M. M. & Co., Lowell, Mass.

**15380— Shuttles**

Allentown Reed Harness & Mill Supply **Co., Allentown, Pa.**
**American Shuttle Co. (Sales Agents), Exchange bldg, Boston, Mass.**
American Supply Co., 135 Washington, Providence, R. I.
**Billington Jas. H. Co., 113 Chestnut, Philadelphia, Pa.**
**Dudley D. T. & Son Co., Wilkinsonville, Mass.**
**Dudley S. A., Taunton, Mass.**
**Hakes H. W. Mfg. Co., Millbury, Mass.**
Hall I. A. & Co., Paterson, N. J.
**Leigh & Butler ("Wilson Bros."), 232 Summer, Boston, Mass.**
**Litchfield Shuttle Co., Southbridge, Mass.**
**Lowell Shuttle Co., Lowell, Mass.**
**New Bedford Shuttle Co., New Bedford, Mass.**
**Norris Brothers, Greenville, S. C.**
Sergeson R. & Co., Palmer & Tulip, Philadelphia, Pa.
**Shambow Shuttle Co., Woonsocket, R. I.**
**Taunton Spindle Co., Taunton, Mass.**
Ulrich Co., Paterson, N. J.
**Union Shuttle Co., Lawrence, Mass.**
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
**Walder Jacob, Paterson, N. J.**
**Watson L. S. Mfg. Co., Leicester, Mass.**
**Williams J. H. Co., Millbury, Mass.**

**15381— Silk Machinery**

Atwood Machine Co., Stonington, Conn.
Brigham, Arthur A., Old South bldg., Boston, Mass.
Butterworth H. W. & Sons Co. (Finishing) **2415 E York, Philadelphia, Pa.**
**Cavagnaro Jno. J. (Silk Finishers), Harrison, N. J.**
**Crompton & Knowles Loom Works** (Weaving), Worcester, Mass.
**Eastwood Benj. Co., Paterson, N. J.**
Hakemeyer Machine Co., Paterson, N. J.
Kilburn Lincoln Machine Co., Fall River, Mass.
**Knapp C. H., Waite & Rye, Paterson, N. J.**
**National Mill Supply Co., Paterson, N. J.**
**New England Butt Co. (Silk Covering), 304 Pearl, Providence, R. I.**
Schaum & Uhing, N American & Glenwood av, Philadelphia, Pa.
**Sipp Machine Co., Paterson, N. J.**
**Stafford Co., Readville, Mass.**
**Textile Finishing Machinery Co. (Finishing), 171 Westminster, Providence, R. I.**
**Willimantic Machine Co., Willimantic, Conn.**

**15382— Singe Plates**

**Birch Bros., Somerville, Mass.**
Butterworth H. W. & Sons Co., 2415 E **York, Phila., Pa.**
Taunton-New Bedford Copper Co. (Copper), Taunton, Mass.
**Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.**

**15383— Singeing Machines**

**Birch Bros., Somerville, Mass.**
Butterworth H. W. & Sons Co., 2415 E York, Philadelphia, Pa.
**Curtis & Marble Machine Co. (Gas), Worcester, Mass.**
Eastwood Benj. Co. (Gas), Paterson, N. J.
Hussa Theo. F. (Electric), 50 Church, **New York**
Improved Appliance Co., 418 Kent av, Brooklyn, N. Y.
**Knapp C. H. c Waite & Rye, Paterson, N. J.**
**Leigh & Butler, 232 Summer, Boston, Mass.**
**New England Butt Co., 304 Pearl, Providence, R. I.**
**Philadelphia Drying Machinery Co. ("Hurricane," Automatic, Hagar Type), 3351 Stokley, Phila., Pa.**
**Rhode Island Braiding Machine Co., 228 Aborn, Providence, R. I.**
Skevington H. & Co. (Hosiery), 1610 N **Philip, Philadelphia, Pa.**
Smith Drum & Co., Allegheny av & 5th, **Philadelphia, Pa.**
**Textile Finishing Mach'y Co., 171 Westminster, Providence, R. I.**
**Watson Machine Co., Paterson, N. J.**

**15384— Sinkers (Silk)**

Cooper Chas. (Est. of), Bennington, Vt.

**15385— Sizing Machines**

**American Clay Working Mach. Co., S Walnut, Bucyrus, O.**
**Butterworth H. W. & Sons Co., 2415 E** York, Phila., Pa.
**Cocker Machine & Fdry. Co., Gastonia, N. C.**
Ives L. T. Co., New Brunswick, N. J.
**Textile Finishing Machinery Co. (Cloth & Yarn), 171 Westminster, Providence, R. I.**

**15386— Skewers**

**Fall River Bobbin & Shuttle Co., Fall River, Mass.**
**Fall River Fdry. & Mach. Co., Fall River, Mass.**
**Greenville Spool & Mfg. Co., Greenville, S. C.**
**Parker Spool & Bobbin Co. (Warper & Speeder), Lewiston, Me.**
**Payne Geo. W. & Co. (Cop), Pawtucket, R. I.**
**U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.**
**Weld Bobbin & Spool Co., Lawrence, Mass.**

**15387— Slashers**

**COHOES IRON FOUNDRY & MACHINE CO.** ("Cohoes" Cylinder & Hot Air), Cohoes, N. Y.
*See adv index at end of book*
**Entwistle T. C. Co., Lowell, Mass.**
**Fearnley Arthur J., Fall River, Mass.**
**Leigh & Butler, 232 Summer, Boston, Mass.**
**Riley C. E. Co., 161 Devonshire, Boston, Mass.**
**Saco-Lowell Shops, 77 Franklin, Boston, Mass.**
**Textile Finishing Machinery Co. (Cylinder), 171 Westminster, Providence, R. I.**
Union Iron Works, Spokane, Wash.

**15388—Slashers (Steam, Exhausting Apparatus for)**

Sturtevant B. F. Co. ("Sturtevant"), 15 Damon Hyde Park, Boston, Mass.

**15389— Slubbing Machines**

**See also Frames, Slubbing**

Klauder-Weldon Dyeing Machine Co., Yardley, Pa.
**Mass.**
Saco-Lowell Shops, 77 Franklin, Boston,
Union Iron Works, Spokane, Wash.
**Whitin Machine Works, Whitinsville, Mass.**
**Woonsocket Machine & Press Co., Woonsocket, R. I.**

**15390— Soaping Machines**

**Birch Bros. (Open), Somerville, Mass.**
Butterworth H. W. & Sons Co. (Open), **2415 E York, Phila., Pa.**
**Hunt Rodney Machine Co., Orange, Mass.**
**Textile Finishing Machinery Co. (Open), 171 Westminster, Providence, R. I.**
Watson Machine Co. (For Silk), Paterson, **N. J.**

**15391— Speeders (Cotton)**

Saco-Lowell Shops, 77 Franklin, Boston, Mass.

**Spindle Banding**

**See Braided Banding; also Spindle Hook Bands**

**15392— Spindle Bolsters**

Payne Geo. W. & Co., Pawtucket, R. I.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, Ohio.

**15393— Spindle Hook Bands**

American Textile Banding Co., Marshall & Hunting pk, Phila, Pa.
**Binns Patent Band Co., 1842 Germantown av, Phila., Pa.**
Frost Geo. T. & Sons,, Paterson, N. J.
Hodson John M., Boone & Markle, Phila**delphia, Pa.**
**Young John B., J. & Levick, Phila., Pa.**

**15394—Spindle Tubes (Worsted)**

Riley C. E. Co., 161 Devonshire, Boston, Mass.

**15395-6— Spindles**

**Bamford & Smith Co., 9 Culver, Providence, R. I.**
**Dann Bros. & Co., New Haven, Conn.**
**Draper Corp. ("Rabbeth" Centrifugal Clutch), Hopedale, Mass.**
**Easton & Burnham Machine Co. (High Speed), Pine, Pawtucket, R. I.**
**Ellsworth Hardwood Co. (Wood of All Varieties), Ellsworth, Me.**
**Firth Wm. ("Clapham, Smith & Co.'s"), 200 Devonshire, Boston, Mass.**
**Hall I. A. & Co. ("Cant Slip"), Paterson, N. J.**
**Hartson L. M. Co. (Winder), N Windham, Conn.**
**Lawrence Pump & Engine Co.**
**Lever Oswald Co. (Horizontal, Driven by Belts), 13th & Cumberland, Philadelphia, Pa.**
**National Acme Co. ("Gridley" Automatic), 7500 Stanton av, S E, Cleveland, O.**
**Payne Geo. W. & Co., Pawtucket, R. I.**
**Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.**
*See adv index at end of book*
**Prue Frank J. (For Cop Yarn Winding), Woonsocket, R. I.**
**Southern Spindle & Flyer Co., Charlotte, N. C.**
**Taunton Spindle Co., Taunton, Mass.**
**U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.**
**Wescott A. A. & Sons, Hopedale, Mass.**
**Whitin Machine Works, Whitinsville, Mass.**
**Wisconsin Textile Mfg. Co., Two Rivers, Wis.**

**15397— Spindles (Dresser)**

Payne Geo. W. & Co., Pawtucket, R. I.

**15398— Spindles (Reel)**

Payne Geo. W. & Co., Pawtucket, R. I.

**15399— Spindles (Shuttle)**

Chase F. A. & Co., 253 W Exchange, Providence, R. I.

**15400— Spindles (Spooler)**

Diamond Textile Machine Works, 1820 N **10th, Philadelphia, Pa.**
Payne Geo. W. & Co., Pawtucket, R. I.

**Spinning Machinery**

**See Frames, also Mules**

**15401—Spinning Machinery (Jute)**

Brownell G. L. (Heavy Cotton Yarn), Worcester, Mass.
Watson Machine Co., Paterson, N. J.

**15402— Spinning Rings**

Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Draper Corp. ("Mirror" & Twister), Hopedale, Mass.
Hall F. A. & P., Lawrence, Mass.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.
Whitinsville Spinning Ring Co., Whitinsville, Mass.

**15403— Spinning Tubes**

American Paper Tube Co. (Paper), Woonsocket, R. I.
Bamford & Smith Co., 9 Culver, Providence, R. I.
Lawrence Pump & Engine Co.

**15404— Splicing Machines**

Brigham Arthur A., Old South bldg, Boston, Mass.

**15405—Spool Stranding Machines**

New England Butt Co., 304 Pearl, Providence, R. I.

**15406— Spooler Guides**

Draper Corp. ("Northrop," "Lawrence," "MacColl"), Hopedale, Mass.
Payne Geo. W. & Co., Pawtucket, R. I.

**15407— Spoolers (Cotton)**

Altemus Jacob K., 2824 N 4th, Philadelphia, Pa.
Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.
Draper Corp., Hopedale, Mass.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
Lever, Oswald Co., 13th & Cumberland Philadelphia, Pa.
Lyall J. & W., Passaic, N. J.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Smith Jas. Woolen Machy., Hancock & Somerset, Philadelphia, Pa.
Warp Compressing Machine Co., Worcester, Mass.
Whitin Machine Works, Whitinsville, Mass.

**15408— Spoolers (Doubling)**

Payne Geo. W. & Co., Pawtucket, R. I.

**15409— Spoolers (Dresser)**

Altemus Jacob K., 2824 N 4th, Philadelphia, Pa.
Diamond Textile Machine Works, 1820 N 10th, Philadelphia, Pa.
Foster Machine Co., Westfield, Mass.
Lever Oswald Co., 13th & Cumberland, Philadelphia, Pa.
Lindsay, Hyde & Co., 2130 E York, Phila., Pa.
Smith & Furbush Machine Co. ("Furbush") Hancock & Somerset, Phila., Pa.

**15410—Spoolers (Woolen & Worsteds)**

Allen A. W., 2427 Mascher, Phila., Pa.
Altemus Jacob K., 2824 N 4th, Philadelphia, Pa.
Diamond Textile Machine Works, 1820 N 10th, Philadelphia, Pa.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
Hall F. A. & P., Lawrence, Mass.
Smith Jas. Woolen Machy. Co., Hancock & Somerset, Philadelphia, Pa.
Smith & Furbush Mach. Co., Hancock & Somerset, Phila., Pa.
Warp Compressing Machine Co., Worcester, Mass.

**15411— Spoolers (Yarn)**

Diamond Textile Machine Works, 1820 N 10th, Philadelphia, Pa.
Foster Machine Co., Westfield, Mass.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.
Payne Geo. W. & Co., Pawtucket, R. I.

**Spooling Machines**
See Spoolers

**15412— Spools**
See also Bobbins

Allen Spool & Printing Co., Mystic, Conn.
American Supply Co., 135 Washington, Providence, R. I.
Atwood Crawford Co., Pawtucket, R. I.
Avoca Mfg. Co., Avoca, N. Y.
Baldwin Jas. Co., Manchester, N. H.
Benazet Heddie Co. (Ltd.), 214 W. Dauphin, Philadelphia, Pa.
Bogert & Hopper Inc. (Cotton, Ribbon, Wire, Filler Sticks, etc.), 57 Barclay, New York *See adv index at end of book*
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Brown Jas. Jr. & Sons, Ring & Main, Philadelphia, Pa.
Conway Lumber Co. (Pine & Hemlock), Conway, N. H.
Estes E. B. & Sons (Cotton Thread), 364 5th av, New York
*See adv index at end of book*
Excelsior Bobbin & Spool Co., Newtown, Pa.
Fall River Bobbin & Shuttle Co., 821 Cambridge, Fall River, Mass.
Fall River Foundry & Machine Co., Fall River, Mass.
Frary Mfg. Co. (Printed), Charlemont, Mass.
Frary Spool Co., Berlin, N. Y.
Frost Geo. T. & Sons, Paterson, N. J.
Greenville Spool & Mfg. Co., Greenville, S. C.
Hamilton Bros. Co., Goffstown, N. H.
Hoffman J. C. Inc., 2595 3d av, New York
Kline Lewis T. (Thread), Alpena, Mich.
Lestershire Spool & Mfg. Co. (Metal Protected), Lestershire, N. Y.
Macrodi Fibre Co. (Fibre), Woonsocket, R. I.
Nashua Spool & Bobbin Co. (All Kinds & Sizes), Grove Hall Station, Boston, Mass.
Novelty Turning Co., Norway, Me.
Parker Spool & Bobbin Co. (Warper Twister, Drawing & Jack), Lewiston, Me.
Payne Geo. W. & Co., Pawtucket, R. I.
Schutz Bros., 152 Chambers, New York
Skilling Julius P., Bethel, Me.
Tebbets E. L. Spool Co., Locke Mills, Me.
Union Shuttle Co., Lawrence, Mass.
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
Van Riper Mfg. Co., Paterson, N. J.
Vermont Spool & Bobbin Co., Burlington, Vt.
Weatherhead, Thompson & Co., Pawtucket, R. I.
Weld Bobbin & Spool Co., Lawrence, Mass.
Williams J. H. Co., Millbury, Mass.
Wisconsin Textile Mfg. Co., Two Rivers, Wis.
Wonder Spool Co. (Fibre), 13 Wormwood, Boston, Mass.

**15413—Spools (Dresser, Steel Head)**

Mossberg Frank Co., Attleboro, Mass.
Sweet & Doyle, Cohoes, N. Y.

**15414—Spools (Jack, Steel Head)**

Crandall G. H. Co., Cohoes, N. Y.
Mossberg Frank Co., Attleboro, Mass.
Sweet & Doyle ("S. & D."), Cohoes, N. Y.
U. S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.

**15415— Spools (Silk Thread)**

Atwood Crawford Co., Pawtucket, R. I.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Nashua Spool & Bobbin Co., Grove Hall Station, Boston, Mass.
Stowell N. S. & Co., Dixfield, Me.
Tebbets E. L. Spool Co., Locke Mills, Me.

**15416— Spools (Warp)**

Parker Spool & Bobbin Co., Lewiston, Me.
Payne Geo W. & Co., Pawtucket, R. I.
U. S. Bobbin & Shuttle Co. ("Boynton" Patent), 57 Eddy, Providence, R. I.

**15417— Sprinkling Machines**

Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

**15417a— Spun Silk Machinery**

FRANKLIN MACHINE CO., 1 Park, Providence, R. I.
*See adv index at end of book*

**15418— Squeezers**

Birch Bros., Somerville, Mass.
Textile Finishing Machinery Co. (Chemic., Sour & Water), 171 Westminster, Providence, R. I.
Watson Machine Co., Paterson, N. J.

**15419— Stamping Machines**

Ready Mfg. Co. (Indelible Ink), Troy, N. Y.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.

**15420— Steaming Machines**

Birch Bros., Somerville, Mass.
Curtis & Marble Machine Co. (Cloth), Worcester, Mass.
Hunter James Machine Co., N Adams, Mass.
Textile Finishing Machinery Co. ("Rusden" Continuous Chainless), 171 Westminster, Providence, R. I.
Tillotson Humidifier Co. (Yarn), 78 Fountain, Providence, R. I.

**15421—Stirrups & Levers (Cotton Machinery)**

Dixon Lubricating Saddle Co., Bristol, R. I.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.


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**15422—Stock Cleaners (Four Cylinder)**
Smith Jas. Woolen Machy. Co., Hancock & Somerset, Philadelphia, Pa.

**15423—Stock Oilers ("Spencer")**
Harwood Geo. S. & Son, Exchange bldg., Boston, Mass.

**15424— Strapping Machines**
See also Sewing Machines
Union Button Sewing Co., 394 Atlantic av, Boston, Mass.

**15425— Stripping Machines**
Hussong Dyeing & Machine Co., Groveville, N. J.
Leighton Machine Co. (Sweaters, Cardigans & Collarettes & Anklets), Manchester, N. H.
Smith, Drum & Co., Allegheny av & 5th, Philadelphia, Pa.

**15425a— Surfacing (Steel)**
ERDLE PERFORATING CO. (For Cotton & Duck Mills), 181 York, Rochester, N. Y. *See adv index at end of book*

**15426— Sweep Sticks**
Brusher J. B., Norristown, Pa.

**15427— Tapes, Braids & Cords**
American Textile Banding Co. (Spinning Tape), Marshall & Hunting pk, Phila., Pa.
Ansonia O. & C. Co., Ansonia, Conn.
Atkins & Pearce Mfg. Co., 5th & Eggleston av, Cincinnati, O.
Barber Mfg. Co. (Spinning Tapes), Lowell, Mass.
Barlow John W. Co. (Spinning), Lawrence, Mass.
Barton F. C., 65 Worth, New York
Bibb Mfg. Co. (Braids & Cords Only), Macon, Ga.
Christ Bros. Mfg. Co. (Elastic Braids & Cords), 1303 Buttonwood, Phila., Pa.
Friedberger-Aaron Mfg. Co., 18th & Courtland, Phila., Pa.
Goff D. & Sons, Pawtucket, R. I.
Glendale Elastic Fabrics Co. (Cords & Braids), Easthampton, Mass.
Hamilton J. H. & Co., 25 White, New York
Hoffman-Corr Mfg. Co., 312 Market, Philadelphia, Pa.
Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.
Hope Webbing Co. (Spinning Tapes), 1005 Main, Providence, R. I.
Industrial Tape Mills Co., Jasper & Huntington, Phila., Pa.
International Braid Co., 47 Charles, Providence, R. I.
Kavanaugh Geo. W., Cohoes, N. Y.
Kenyon J. J. Mfg. Co., Pawtucket, R. I.
Krout & Fite Mfg. Co, Allegheny av & Emerald, Phila., Pa
Lambeth Rope Corporation (Flat Braided Tapes), New Bedford, Mass.
Mount Pleasant Banding Co., New Bedford, Mass.
Narrow Fabric Co. ("Nufashon" Elastic), Reading, Pa.
Small Bros., Fall River, Mass.
Wick Narrow Fabric Co., 931 Market, Phila., Pa.
Wilkins Mfg. Co. (Plain & Fancy Tapes), Woonsocket, R. I.
Young John B., J. & Levick, Phila., Pa.

**Temples**
See Loom Temples

**15427a— Tensions (Shuttle)**
Parsons Specialty & Machine Works (Silk), 2427 No 4th, Phila., Pa.

**15428— Tenter Clips**
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Winsor & Jerauld Mfg. Co., 223 Harrison, Providence, R. I.

**15429— Tentering Machines**
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Heathcote John & Son (For Woolens & Worsteds), 212 Eddy, Providence, R. I.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Winsor & Jerauld Mfg. Co., 223 Harrison, Providence, R. I.

**15430— Testers (Yarn)**
Draper Corp. (Moscrop Single Thread), Hopedale, Mass.

**15431—Testing Machines (Cloth)**
Riehle Bros. Testing Machine Co., 1424 N 9th, Phila., Pa.
Scott Henry L. & Co., 101 Blackstone, Providence, R. I.
Shuttle Machine Co. ("Tensyl"), 18 E 17th, New York
Sipp Machine Co., Paterson, N. J.

**15432— Testing Machines (Silk)**
Sipp Machine Co., Paterson, N. J.

**15433—Testing Machines (Yarn)**
American Supply Co., 135 Washington, Providence, R. I.
Firth Wm. (Goodbrandt Co.), 200 Devonshire, Boston, Mass.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Scott Henry L. & Co., 101 Blackstone, Providence, R. I.
Sweet & Doyle, Cohoes, N. Y.

**15434-5— Textile Parts**
Worcester Pressed Steel Co., Worcester, Mass.

**15436— Thread Machinery**
Atwood Machine Co., Stonington, Conn.
Willimantic Machine Co., Willimantic, Conn.

**15437— Tom-Toms (For Hosiery)**
Phila. Drying Machy. Co., 3351 Stokley, Phila., Pa.
Utica Novelty & Mill Specialty Co., Utica, N. Y.
Smith, Drum & Co., Allegheny av & 5th, Phila., Pa.

**15438— Trade-Mark Stamps**
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Kaumagraph Co., 209 W 38th, New York

**15439— Traveler Cleaners**
Whitinsville Spinning Ring Co., Whitinsville, Mass.

**15440— Traveler Cups**
Whitinsville Spinning Ring Co., Whitinsville, Mass.

**15441-2— Travelers (Ring)**
American Supply Co., 135 Washington, Providence, R. I.
Brown Bros. Co., 62 Exchange pl, Providence, R. I.
Chase F. A. & Co., 253 W Exchange, Providence, R. I.
Dary Ring Traveller Co., Taunton, Mass.
De Haven Mfg Co., 50 Columbia Heights, Brooklyn, N. Y.
Hartson L. M. Co. (& Bar), N Windham, Conn.
National Ring Traveler Co., 257 W Exchange, Providence, R. I.
Standard Ring Traveler Co., New Bedford, Mass.
Sterling Ring Traveler Co., Fall River, Mass.
U. S. Ring Traveler Co., 159 Aborn, Providence, R. I.
Victor Shaw Ring Traveler Co. ("Victor"), 23 Sabin, Providence, R. I.

**Travelers (Spinning & Twisting)**
See Travelers, Ring

**15443— Twine Balling Machines**
Loyd Jno. Co., 124 Baxter, New York

**15444— Twisters (Carpet)**
Reed Mfg. Co. (Foot Power), Springfield, Ohio

**15445— Twisters (Cordage)**
Brownell G. L. Worcester, Mass.
Lyall J. E. W., Passaic, N. J.

**15446— Twisters (Cotton)**
Brownell G. L., Worcester, Mass.
Collins Bros., Pawtucket, R. I.
Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.
Draper Corp., Hopedale, Mass.
H. & B. Am. Machine Co., Pawtucket, R. I.
Haskell-Dawes Machine Co. (Also Jute), 176 Federal, Boston, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Whitin Machine Works, Whitinsville, Mass

**15447— Twisters (Silk)**
Atwood Machine Co., Stonington, Conn.
Brownell G. L., Worcester, Mass.

**15448— Twisters (Wool)**
Collins Bros., Pawtucket, R. I.
Fales & Jenks Machine Co., Pawtucket, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Smith James Woolen Machy. Co., Hancock & Somerset, Philadelphia, Pa.

**15449— Twisters (Yarn)**
Chaney Mfg. Co., Springfield, Ohio
Collins Bros., Pawtucket, R. I.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

**15450— Warpers**
Altemus Jacob K., 2824 N 4th, Phila., Pa.
American Warp Drawing Machine Co., 95 Milk, Boston, Mass.
Atherton Fred L. Machine Co., Paterson, N. J.
Atwood Machine Co., Stonington, Conn.
Cocker Machine & Fdry. Co., Gastonia, N. C.
Crompton & Knowles Loom Works, Worcester, Mass.
Draper Corp. ("Hopedale"), Hopedale, Mass.
Eastwood Benj. Co. (Silk & Lace, Horizontal & Swiss), Paterson, N. J.
Entwistle T. C Co., Lowell, Mass.
Fisher Knitting Machine Co. (For Silk Gloves & Lining), Utica, N. Y.
Knapp C. H., Paterson, N. J.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Royle John & Sons, Paterson, N. J.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Sipp Machine Co. (Silk, Horizontal & Swiss), Paterson, N. J.
Smith & Furbush Mach. Co., Hancock & Somerset, Phila., Pa.
Whitin Machine Works, Whitinsville, Mass.

**15451— Warpers (Leese)**
Saco-Lowell Shops, 77 Franklin, Boston, Mass.

**15452— Warpers (Slasher)**
Saco-Lowell Shops, 77 Franklin, Boston, Mass.

**15453—Warpers (Swiss Attachment)**
Sipp Machine Co., Paterson, N. J.

**15454—Warpers & Linkers (Chain)**
Draper Corp. ("Walcott" Warpers), Hopedale, Mass.

**15455— Warping Mills**
Lever, Oswald Co, 13th & Cumberland, Phila., Pa.

**15456—Warping Mills (Sectional)**
Lever, Oswald & Co, 13th & Cumberland, Phila., Pa.
Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

**15457— Warps**
Bibb Mfg. Co. (Spool, Carpet, etc), Macon, Ga.
Dana Warp Mills, Westbrook, Me.
Grant Yarn Co., Fitchburg, Mass.
Greene & Daniels Co., Pawtucket, R. I.
Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
Indian Orchard Co., Indian Orchard, Mass.
Montgomery J. R. Co., Windsor Locks, Conn.
Monument Mills, Housatonic, Mass.

WARPS—continued
Plunkett W. C. & Sons (Cotton), Adams, Mass.
Westport Mfg. Co. (Carpet), Fall River, Mass.

**15458—Washer & Fuller Combined**
Hunt Rodney Machine Co., Orange, Mass.
Hunter James Machine Co., North Adams, Mass.

**15459— Washers (Cloth)**
Arlington Machine Works, Arlington Heights, Mass.
Birch Bros., Somerville, Mass.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Hunt Rodney Machine Co., Orange, Mass.
Hunter James Machine Co., North Adams, Mass.
Philadelphia Drying Machinery Co., 3351 Stokley, Phila., Pa.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Watson Machine Co., Paterson. N. J.

**15459a— Washers (Hair)**
Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa. *See adv index at end of book*

**15460— Washers (Warp)**
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

**15461— Washers (Wool)**
Hunter James Machine Co., North Adams, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Smith James Woolen Machy. Co., Hancock & Somerset, Philadelphia, Pa.
Speed & Stephenson, 170 Summer, Boston, Mass.

**15462— Washers (Yarn)**
Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa. *See adv index at end of book*
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

**15463—Waste Machines (Cotton)**
American Machine & Mfg. Co., Atlanta, Ga.
Firth Wm. (Fatham & Co.'s), 200 Devonshire, Boston, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Smith & Furbush Machine Co. ("Shaughnessy"), Hancock & Somerset, Phila., Pa.

**15464—Waste Machines (Engine Cleaning)**
Riley C. E. Co., 161 Devonshire, Boston, Mass.

**15465— Waste Savers**
Torrance Mffg. Co. ("Choquette"), Harrison, N. J.

**15466— Waste Silk Machinery**
Saco-Lowell Shops, 77 Franklin, Boston, Mass.

**15467— Weaversknot Tyer**
Edmands Arthur B. Co., 180 Main, Pawtucket, R. I.

**Weaving Machinery**
See Looms

**15468— Web Folding Machines**
Grand Rapids Textile Machinery Co., Grand Rapids, Mich.

**15469— Wheels (Burr)**
Cooper Chas. (Est. of), Bennington, Vt.

**15470—Willowing Machines (Wool)**
Lombard Machine Co., Worcester, Mass.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass
Smith & Furbush Machine Co. ("Proctor"), Hancock & Somerset, Phila., Pa.

Smith James Woolen Machy Co., Hancock & Somerset, Phila., Pa.

**15471— Winders**
See also Sub-divisions of this Head
Allen A. W. (Yarn), 2427 Mascher, Phila., Pa.
Altemus Jacob K., 2824 N 4th, Phila., Pa.
Atwood Machine Co., Stonington, Conn.
Campbell & Clute Machine Co., Cohoes, N. Y.
Diamond Textile Machine Works (Bobbin), 1820 N 10th, Phila., Pa.
Eastwood Benj. Co. (Silk), Paterson, N. J.
Firth Wm. (Stubbs), 200 Devonshire, Boston, Mass.
Foster Mach. Co., Westfield, Mass.
Hall F. A. & P. ("Horrock's" Drum), Lawrence, Mass.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Leighton Machine Co., Manchester, N. H.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.
Lyall J. & W. (Spool), Passaic, N. J.
Payne Geo. W. & Co. (Cop, Skein or Bobbin), Pawtucket, R. I.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Sipp Machine Co., Paterson, N. J.
Smith Drum & Co., Allegheny av & 5th, Phila., Pa.
Spindler E. O. (Imp), 350 B'way, New York
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
Textile Machine Works, Reading, Pa.
Universal Winding Co. ("Leesona"), 95 South Boston, Mass.
Watson Machine Co., Paterson, N. J.
Watts Regulator Co. ("Watts" Measuring), Lawrence, Mass.
Whitin Machine Works, Whitinsville, Mass.

**15472— Winders (Ball)**
Franklin Machine Co., 189 Charles, Providence, R. I.
*See adv index at end of book*
North Chelmsford Machine & Supply Co. (Automatic), North Chelmsford, Mass.

**15473— Winders (Cone)**
Brigham Arthur A. ("Broadbent & Brighams"), Old South bldg, Boston, Mass.
Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.
Foster Machine Co., Westfield, Mass.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.
Universal Winding Co. ("Leesona"), 95 South Boston, Mass.

**15474— Winders (Cop)**
Althemus Jacob K., 2824 N 4th, Phila., Pa.
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.
Lindsay Hyde & Co., 2130 E York, Phila., Pa.
Lyall J. & W., Passaic, N. J.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Sipp Machine Co., Paterson, N. J.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

**15475— Winders (Fillet)**
Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.

**15476— Winders (Hosiery)**
Allen A. W., 2427 Mascher, Phila., Pa.
Altemus Jacob K., 2824 N 4th, Phila., Pa.
Brigham Arthur A. ("Broadbent & Brighams"), Old South bldg, Boston, Mass.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
Huse Warren D. & Sons, Laconia, N. H.
Leighton Machine Co., Manchester, N. H.
Lever Oswald Co., 13th & Cumberland, Phila., Pa.
Lindley Geo. W., 5122 Wakefield, Germantown, Phila., Pa.
Lindsay Hyde & Co., 2130 E York, Phila., Pa.
Payne Geo. W. & Co., Pawtucket, R. I.
Saco-Lowell Shops, 77 Franklin, Boston, Mass.
Spindler E. O., 350 B'way, New York
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

**15477— Winders (Lap)**
Saco-Lowell Shops, 77 Franklin, Boston, Mass.

**15478— Winders (Magnet)**
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

**15479— Winders (Quill)**
Lazenby F. A. & Co., 414 Key Highway, Baltimore, Md.
Lever, Oswald Co., 13th & Cumberland, Phila., Pa.
Sipp Machine Co., Paterson, N. J.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

**15480— Winders (Skein)**
Altemus Jacob K., 2824 N 4th, Phila., Pa.
Brigham Arthur A., Old South bldg, Boston, Mass.
Collins Bros. (Drum), Pawtucket, R. I.
Easton & Burnham Machine Co., Pine, Pawtucket, R. I.
Foster Machine Co., Westfield, Mass.
Lever, Oswald Co., 13th & Cumberland, Phila., Pa.
Sipp Machine Co., Paterson, N. J.

**15481— Winders (Yarn)**
Altemus Jacob K., 2824 N 4th, Phila., Pa.
Lever, Oswald Co., 13th & Cumberland, Phila., Pa.
Universal Winding Co. ("Leesona"), 95 South, Boston, Mass.

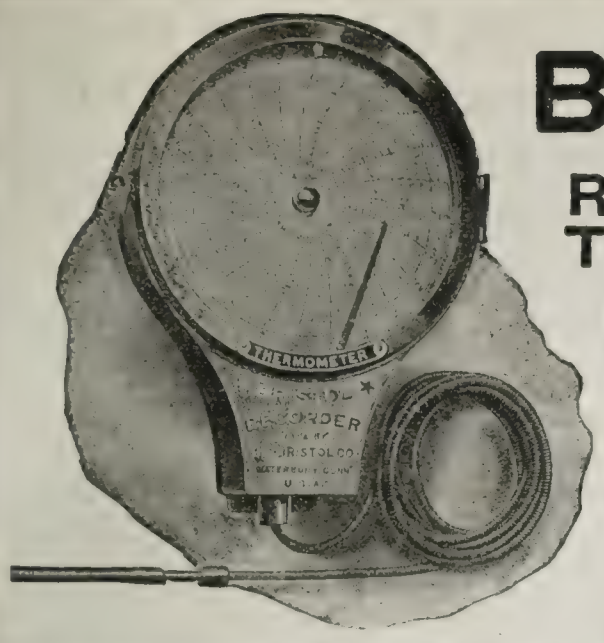
**15482—Winding Machines (Cloth)**
Curtis & Marble Mach. Co., Worcester, Mass.
Parks & Woolson Machine Co., Springfield, Vt.
Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

**15483—Winding Machines (Hank)**
Smith Jas. Woolen Machy. Co., Hancock & Somerset, Phila., Pa.

**15484—Winding Machines (Paper Tube)**
Altemus Jacob K., 2824 N 4th, Phila., Pa.

**Wool Burring Machines**
See Burring Machines

**15485—Woolen & Worsted Machinery**
See also the Specific Article Required
Altemus Jacob K., 2824 N 4th, Phila., Pa.
Brown Cotton Gin Co., New London, Conn.
Butterworth H. W. & Sons Co., 2415 E York, Phila., Pa.
Clark Machine & Foundry Co., Franklin, Mass.
Crompton & Knowles Loom Works (Weaving), Worcester, Mass.
Curtis & Marble Machine Co., Worcester, Mass.
Davis & Furber Machine Co. (Wool), N Andover, Mass.
Diamond Textile Machine Works, 1820 N 10th, Phila., Pa.
Firth Wm. 200 Devonshire, Boston, Mass.
Harwood Geo. S. & Son, Exchange bldg, Boston, Mass.
Hood R. H. Co., 1842 Germantown av, Phila., Pa.
Hunt Rodney Machine Co., Orange, Mass.
Hunter Jas. Machine Co., N Adams, Mass.
Jefferson Edw. & Bro. (Imp.), 19 S 2d, Phila., Pa.
Leigh & Butler ("Platt Bros. & Co."), 232 Summer, Boston, Mass.
Lombard Machine Co., Worcester, Mass.
Parks & Woolson Machine Co., Springfield, Vt.
Payne Geo. W. & Co., Pawtucket, R. I.
Phila. Drying Machinery Co., 3351 Stokley, Phila., Pa.
Riley C. E. Co., 161 Devonshire, Boston, Mass.
Saco-Lowell Shops (Worsted), 77 Franklin, Boston, Mass.
Sargent's C. G. Sons Corp., Graniteville, Mass.
Smith Geo. E. (Dealer), Cohoes, N. Y.
Smith James Woolen Machy. Co, Hancock & Somerset, Phila., Pa.



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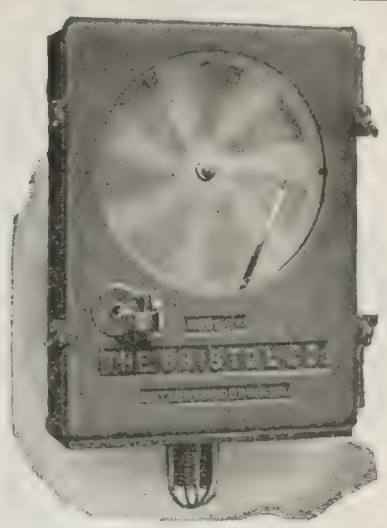

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**Manufacturers of Bristol's Recording Instruments for Pressure, Temperature, Electricity, Time, etc.**

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Boston New York Chicago Pittsburgh San Francisco


Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.
**Speed & Stephenson**, 170 Summer, Boston, Mass.
**Woonsocket Machine & Press Co.**, Woonsocket, R. I.

### 15485a—Worsted Drawing Frames. (French)

**FRANKLIN MACHINE CO.** ("Frotteurs"), 1 Park, Providence, R. I.
*See adv index at end of book*

### 15486— Wringing Machines

**American Wringer Co. (Silk Dyers' Wringers)**, 99 Chambers, New York
Clark Geo. P. Co., Windsor Locks, Conn.
Hunt Rodney Machine Co., Orange, Mass.

### 15487— Yarn Cleaning Machines

Jennings R. G. Yarn Cleaning Machine Co., Elmira, N. Y.

### 15488—Yarn Conditioning Machines

**Sargent's C. G. Sons Corp.**, Graniteville, Mass.
**Suter Alfred ("Standard")**, 200 5th av, New York

### 15489—Yarn Printing Machines

**Brigham Arthur A.**, Old South bldg, Boston, Mass.
Luther C. A. & Co., Pawtucket, R. I.
Ready Mfg. Co. (Indelible Ink), Troy, N. Y.

### 15489a—Yarn Sizing Machines

Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.

**(End of Textile Machinery)**

### 15489b— Thalium

American Smelting & Refining Co., 120 B'way, New York
Mackay A. D. (Metal), 130 Pearl, New York

### 15490— Thalpotasimeters

**SCHAEFFER & BUDENBERG MFG. CO.**, Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

### 15491— Thawers (Dynamite)

See also Kettles, Thawing

**HERCULES POWDER CO.**, Wilmington, Del. *See adv index at end of book*

### 15492— Thawing Outfits

Burbank Thawing Machine Co., 355 Warren Bay, Boston, Mass.
**MacLEOD CO.**, 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Premier Machinery Co., Oakland, Cal.

### Theatre Brass Work

**See Bronze, Architectural, Etc.; also Grilles, Brass & Bronze**

### 15492a—Theatre Curtains (Asbestos)

Mikesell Bros., 156 N La Salle, Chicago, Ill. *See adv index at end of book*

### 15493—Theatre Curtains (Steel)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Elevator Supplies Co., Hoboken, N. J.
Harris S. H. Co., 2424 W 22nd, Chicago, Ill.
**KINNEAR MFG. CO.** (Lift), 716-766 Field av, Columbus, O.
*See adv index at end of book*
Perkins Mfg. Co. (Iron), University & Fairview avs, St. Paul, Minn.
*See adv index at end of book*

### Theatre Seating

**See Opera Chairs & Assembly Seating**

### 15494— Theobromine

**Hoffmann-La Roche Chemical Works**, 440 Washington, New York

### 15495— Theodolites

**Bausch & Lomb Optical Co.**, Rochester, N. Y.
**Buff & Buff Mfg. Co.**, 98 Green, Jamaica Plains, Boston, Mass.
**Gurley W. & L. E., Troy, N. Y.**
Queen-Gray Co., 618 Chestnut, Phila., Pa.

### 15496— Thephorin

**Hoffman-La Roche Chemical Works**, 440 Washington, New York

### 15497— Thermofans

Schutte & Koerting Co. (For Heating & Ventilating), 1251 N 12th, Phila., Pa.

### 15497a—*Thermometer-Thermostat

**BRISTOL CO.** ("Bristol's") Waterbury, Conn. *See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.

### 15498— Thermometers

**American Steam Gauge & Valve Mfg. Co.**, 208 Camden, Boston, Mass.
American Thermometer Co., 3146 Lucas, St. Louis, Mo.
American Thermo-Ware Co., 16 Warren, New York
Ataglance Thermometer Co., St. Louis, Mo.
Atlas Laboratory Equipment Bureau, 731 N Wells, Chicago, Ill.
*See adv index at end of book*
Azadian Gauge Mfg. Co., Eastwood, N. Y.
Beck Oscar & Co., 280 Maujer, Brooklyn, N. Y.
Berg James Mfg. Co., 3707 12th av, Brooklyn, N. Y.
Braun-Knecht-Heimann Co. (Refrigerating, Household, Chemical, Mechanical, Recording, Steam & Hot Water), 576-584 Mission, San Francisco, Cal.
**BRISTOL CO.** ("Bristol," Recording, etc), Waterbury, Conn.
**BROWN INSTRUMENT CO.**, Wayne & Windrim, Phila., Pa.
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Du Vivier Ernest H. (Imp.) (Recording), 30 Church, New York.
Eimer & Amend (Chemical), 205 3d av,
Electrical Appliance Mfg. Co. ("Best Ever" for Fireless Cooker), Waterbury, Conn.
Fleischhuer F. & Son, Hollis, Long Island, N. Y.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Freas Francis L., Coshohocken, Pa.
Fritsch Thermometer Mfg. Co., 210 Canal, New York
Fruehauf Mfg. Co., Bedford av, Brooklyn, N. Y.
General Scientific Equip. Co., Inc., North Phila., Pa.
Getz M. & Co., 162 First, San Francisco, Cal.
Green Henry J. (Meterological, Soil, Chimney, Orchard, House, Steam, etc), 1191 Bedford av, Brooklyn, N. Y.
Greiner Emil Co., 55 Fulton, New York
Griebel Instrument Co., Carbondale, Pa.
**HANOVIA CHEMICAL & MFG. CO.** (Electric Resistance Type), 100 Chestnut, Newark, N. J.
Heil Henry Chemical Co., St. Louis, Mo.
Hohman & Maurer Mfg. Co., Ames nr West av, Rochester, N. Y.
Huddleston J. S. F., 132 Hanover, Boston, Mass.
Katz Wm. & Co., 1368 Dekalb av, Brooklyn, N. Y.
Keys Bros. & Co., Catasqua, Pa.
Leeds & Northrup Co., (Resistance Thermometer Only), 4901 Stenton av, Phila., Pa.
Lehigh Thermometer Co., Catasaqua, Pa.
Lenz Apparatus Co., 9 E 16th, New York
Marshall Mfg. Co., Coshocton, O.
Moeller A. E., 263 Sumpter, Brooklyn, N. Y.
Moreneus E. Co., Cleveland, N. Y.
National Gauge Co. ("National" for all Mechanical Purposes), 300 Pacific, Brooklyn, N. Y.
**NATIONAL GAUGE & EQUIPMENT CO.**, ("National," "Radimeter"), La Crosse, Wis. *See adv index at end of book*
National Thermometer Co. (Clinical), 125 E 23d, New York
Palmer Co., 114 W 6th, Cincinnati, O.
Phila. Thermometer Co., 9th & Arch, Phila., Pa.
**PRECISION THERMOMETER & INSTRUMENT CO.** (Technical), 1434 Brandywine, Phila., Pa.
Queen & Co., 618 Chestnut, Phila., Pa.
Queen-Gray Co., 618 Chestnut, Phila., Pa.

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**SCHAEFFER & BUDENBERG MFG. CO.** (Bath, Mechanical & Steam Pipe), Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*

Schrope H. H., Allentown, Pa.

Scientific Instrument Co. (High & Low Pressure, Gas Filled), Marquette, Detroit, Mich.

Scott C. P. & Sons, 221 Franklin, Buffalo, N. Y.

Simplex Instrument Co., 320 Market, Newark, N. J.

**Standard Thermometer Co., 65 Shirley, Boston, Mass.**

Tagliabue Chas. J. Mfg. Co. ("Duplimerge," "Tel-A-Fever," "Tagometer," "Durotag," "Tag Elite," "Tag Everight," Veterinary, "Yorklynn," "E. Z. C.," "Faultless," Dial, "Gotham," "Knickerbocker," "Manhattan," "New Brooke," "Tag," All Kinds for All Purposes"), 18 33d, Brooklyn, N. Y.

Tagliabue G. (Est. of), 302 Pearl, New York

Taylor Instrument Companies ("Tycos"), Rochester, N. Y.

**Thompson-Levering Co. ("Peerless"), Jobbers, 325 Arch, Phila., Pa.**

Wagner Bros. & Co. (Imp.), 71 W 23d, New York

**Wagner Carl H., 1944 N Albany av, Chicago, Ill.**

**Wagner Glass Works, 697 E 132d, New York**

Weinhagen & Hespe (For Laboratory, Factory, etc), 159 Leonard, New York

**Weiskopf Abraham, 16 S Clinton, Chicago, Ill.**

**Weiss Albert A. & Co. (For All Purposes), 572 Gates av, Brooklyn, N. Y.**

**Wilder-Pike Thermometer Co. ("Daisy," "Wilder"), Troy, N. Y.**

**Zaubitz August (For Stills, Boilers, Vacuum, Pans, Heating, etc), 95 Cliff, New York**

## 15499—Thermometers (Advertising)

**Aluminum Specialty Co., Manitowoc, Wis.**

**American Mfg. Concern, Falconer, N. Y.**

Chaney Mfg. Co., Springfield, O.

**Freas Francis L., Conshohocken, Pa.**

Marshall Mfg. Co., Coshocton, O.

**National Sheet Metal Co. (Stamped Nickelene, etc), Peru, Ill.**

Taylor Instrument Companies (Taylor Bros. Co. Division), Rochester, N. Y.

Up-to-Date Advertising Co., Canisteo, N. Y.

Weinhagen & Hespe, 159 Leonard, New York

Wilder-Pike Thermometer Co., Troy, N. Y.

Winslow Cabot Co., 79 Milk, Boston, Mass.

## 15500—Thermometers (Candy)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.

**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*

Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.

National Gauge & Equipment Co. ("Radimeter"), La Crosse, Wis.
*See adv index at end of book*

**PRECISION THERMOMETER & INSTRUMENT CO., 1434 Brandywine, Phila., Pa.**

Taylor Instrument Companies, Rochester, N. Y.

Weinhagen & Hespe, 159 Leonard, New York

**Wilder-Pike Thermometer Co. ("Chas. Wilder Co."), Troy, N. Y.**

## 15501—Thermometers (Cardboard)

American Thermo-Ware Co., 16 Warren, New York

## 15502—Thermometers (Chemical)

**American Thermo-Ware Co., 16 Warren, New York**

Berg James Mfg. Co., 3707 12th av, Brooklyn, N. Y.

**Elmer & Amend, 205 3d av, New York**

Brown Instrument Co., Wayne & Win-

Engelhard Chas. (Electrical), 30 Church, New York

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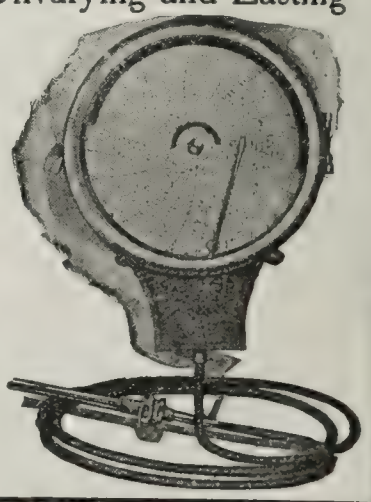

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Tagliabue Chas. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.
Taylor Instrument Companies ("Tycos") Rochester, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

## 15503—Thermometers (Chimney)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Green Henry J., 1191 Bedford av, Brooklyn, N. Y.

## 15504—Thermometers (Clinical)

American Thermo-Ware Co., 16 Warren, New York
Becton, Dickinson & Co., Rutherford, N. J.
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Farrar Thermometer Co., 1301 Boston rd. New York
**Freas Francis L., Conshohocken, Pa.**
Kessling Edw., 96 Suydam, B'klyn, N. Y.
Lenz Apparatus Co., 9 E 16th, New York
**National Thermometer Co., 125 E 23d, New** York
New York Therometer Co., 36 E 23rd, New York *See adv index at end of book*
Nurnberg Thermometer Co. Inc., 260 E 138th, New York
**Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.**
**Taylor Instrument Companies, Rochester,** N. Y.
Weinhagen & Hespe, 159 Leonard, New York

## 15505—Thermometers (Dial)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
National Gauge & Equipment Co. ("Radimeter"), La Crosse, Wis.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.** ("Reform"), Berry & S 5th, B'klyn, N. Y. *See adv index at end of book*

## 15506—Thermometers (Electric Contact)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
Standard Thermometer Co. 65 Shirley, Boston, Mass.
Tagliabue, C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Taylor Instrument Companies, Rochester, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

## 15507—Thermometers (Feed Water)

**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**NATIONAL GAUGE & EQUIPMENT CO.** ("Radi-Meter"), La Crosse, Wis.
*See adv index at end of book*
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.** ("Columbia" Recording), Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Taylor Instrument Companies, Rochester, N. Y.

## 15507a—Thermometers (Fever)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Taylor Instrument Companies, Rochester, N. Y.

## 15507b—*Thermometers (For Oil Circulation for Aeroplanes)

**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**NATIONAL GAUGE & EQUIPMENT CO.** ("Radi-Meter"), La Crosse, Wis.
*See adv index at end of book*

## 15507c—*Thermometers (For Water Circulation for Aeroplanes)

**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**NATIONAL GAUGE & EQUIPMENT CO.** ("Radi-Meter"), La Crosse, Wis.

## 15508—Thermometers (Heating)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Beaton & Caldwell Mfg. Co. ("Perfection"), New Britain, Conn.
**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Crosby Steam Gauge & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
Magee Steam Specialty Corp. ("Jumbo"), 136 Beekman, New York
National Gauge Co., 300 Pacific, B'klyn, N. Y.
National Gauge & Equipment Co. ("Radimeter"), La Crosse, Wis.
*See adv index at end of book.*
**PRECISION THERMOMETER & INSTRUMENT CO.,** 1434 Brandywine, Phila., Pa.
Queen-Gray Co. (Hot Water), 618 Chestnut, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.** ("Crescent"), Berry & S 5th, B'klyn, N. Y. *See adv index at end of book*
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Taylor Instrument Companies, Rochester, N. Y.
U. S. Gauge Co. (Hot Water), 67 Wall, New York
Weinhagen & Hespe, 159 Leonard, New York

## 15509—Thermometers (Hot Bed)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
Taylor Instrument Companies, Rochester, N. Y.
Wilder-Pike Thermometer Co. ("Chas. Wilder Co."), Troy, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

## Thermometers (Hot Water)

See Thermometers, Steam & Hot Water

## 15510—Thermometers (Hot Well)

**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
Brown Instrument Co., Waynet & Windrim, Phila., Pa.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**SCHAEFFER & BUDENBERG MFG. CO.** ("Columbia" Recording & "Crescent" Indicating), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*

## 15511—Thermometers (Incubator)

American Thermo-Ware Co., 16 Warren, New York
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Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
Phila. Thermometer Co., 9th & Arch, Philadelphia, Pa.
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Weinhagen & Hespe, 159 Leonard, New York
Wilder-Pike Thermometer Co. ("Chas. Wilder Co."), Troy, N. Y.

## Thermometers (Optical)

See Pyrometers

## 15512—Thermometers (Oven)

**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
Cooper Oven Thermometer Co. ("Cooper," "Whittier"), Pequabuck, Conn.
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
*See adv index at end of book*
**PRECISION THERMOMETER & INSTRUMENT CO.,** 1434 Brandywine, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.** ("Crescent"), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Taylor Instrument Companies, Rochester, N. Y.
Wilder-Pike Thermometer Co., Albany, N. Y.
Zaubitz August ("Zaubitz"), 95 Cliff, N. Y.

## 15513—Thermometers (Recording)

**BRISTOL CO.** ("Bristol's" Class 1, 2 & 3), Waterbury, Conn
*See adv index at end of book*
**BROWN INSTRUMENT CO.,** Wayne & Windrim, Phila., Pa.
Draper Mfg. Co., 152 Front, New York
**FOXBORO COMPANY, THE** ("Foxboro"), Foxboro, Mass.
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Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
**SCHAEFFER & BUDENBERG MFG. CO.** ("Columbia" for All Purposes & Temperatures up to 1,000 Deg. F., and Electric up to 2,900 Deg. F.), Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Tagliabue C. J. Mfg. Co. ("Tag"), 18 33d. Brooklyn, N. Y.
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.

## 15514—Thermometers (Resistance)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Engelhard Chas. ("Englehard"), 30 Church, New York
**HANOVIA CHEMICAL & MFG. CO.,** 100 Chestnut, Newark, N. J.
Leeds & Northup Co., 4901 Stenton av, Phila., Pa.
Pyrolectric Instrument Co., Trenton, N. J.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Taylor Instrument Companies ("Tycos" Taylor Cambridge Division), Rochester, N. Y.
Thwing Instrument Co., 3339 Lancaster av, Phila., Pa.
Weinhagen & Hespe, 159 Leonard, New York

## 15515—Thermometers (Shower Bath)

National Gauge Co., 300 Pacific, Brooklyn, N. Y.
National Gauge & Equipment Co. ("Radimeter"), La Crosse, Wis.
*See adv index at end of book.*

THERMOMETERS (SHOWER BATH)—continued

Phila. Thermometer Co., 9th & Arch, Phila., Pa.
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.** ("Crescent"), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*
Taylor Instrument Companies ("Tycos"), Rochester, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

## 15516—Thermometers (Steam & Hot Water)

See also Thermometers, Heating

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
**BRISTOL CO** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO CO. (THE)**, ("Foxboro"), Foxboro, Mass. *See adv index at end of book*
Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
National Gauge Co., 800 Pacific, Brooklyn, N. Y.
National Gauge & Equipment Co. ("Radimeter"), La Crosse, Wis.
*See adv index at end of book.*
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
**SCHAEFFER & BUDENBERG MFG. CO.** ("Columbia" Recording), Berry & S 5th, Brooklyn, N. Y.
*See adv index at end of book*
Standard Thermometer Co., 65 Shirley, Boston, Mass.
Taylor Instrument Companies, Rochester, N. Y.
Wilder-Pike Thermometer Co., Troy, N. Y.
Weinhagen & Hespe, 159 Leonard, New York

## 15517—Thermometers (Steel Tube, Mercury Filled)

**SCHAEFFER & BUDENBERG MFG. CO.** ("Reform"), Berry & S 5th, Brooklyn, N. Y. *See adv index at end of book*

## 15518—Thermometers (Sugar)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO CO. (THE)**, ("Foxboro"), Foxboro, Mass. *See adv index at end of book*
Heil Henry Chemical Co., St. Louis, Mo.
National Gauge & Equipment Co. ("Radimeter"), La Crosse, Wis.
*See adv index at end of book.*
**PRECISION THERMOMETER & INSTRUMENT CO.**, 1434 Brandywine Phila., Pa.
Wilder-Pike Thermometer Co. ("Chas. Wilder Co."), Troy, N. Y.

## 15519— Thermometers (Transformer)

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Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Weinhagen & Hespe, 159 Leonard, New York

## 15520—*Thermometers (Wet & Dry Bulb, Recording)

Brown Instrument Co., Wayne & Windrim, Phila., Pa.
**FOXBORO CO. (THE)**, ("Foxboro"), Foxboro, Mass. *See adv index at end of book*

## Thermos Bottles

See Bottles, Vacuum

## 15521— Thermostats

See also Regulators, Heat

Acton John, 118 John, Brooklyn, N. Y.
American Thermostat Co. ("Marvel"), 226 Jelliff av, Newark, N. J.
Andrews Heating Co. ("Andrews" Self-Governing), Minneapolis, Minn.
Baker Ice Machine Co. (For Regulating Cold Storage Room Temperatures), Omaha, Neb.
Beers Bros., Rochester, N. Y.
Brown Instrument Co., Wayne & Windrim, Phila., Pa.
Bunnell J. H. & Co., 32 Park pl, New York
Consolidated Car Heating Co. (For Cars, Hotels, Offices, etc), Albany, N. Y.
Crandon Mfg. Co. (Tank Type), Portland, Me.
d'Estes Julian Co. ("Curtis"), 36 Canal, Boston, Mass. *See adv index at end of book*
Dewey R. E., Grand Rapids, Mich.
Elec. Automatic Appliance Co., 1449 Arapahoe, Denver, Col.
Equithern Control Corp., 203 Greenwich & 30 Church, New York
Fire Detecting Wire Co., 2 W 45th, New York
Freas Francis L., Conshohocken, Pa.
Gold Car Heating & Lighting Co. (For Cars & Buildings), 17 Battery pl, New York
Hoffman Heater Co. (Gas, Water Heaters), Lorain, O.
Jewell Mfg. Co., Auburn, N. Y.
Johnson Service Co. (Electric & Pneumatic), 149 Michigan, Milwaukee, Wis.
Kieley & Mueller (For Hot Water Tanks, etc), 34 W 13th, New York
McDonough Automatic Regulator Co., 716-718 Grand River av, Detroit, Mich.
Manhattan Electrical Supply Co., 17 Park pl, N. Y. *See adv index at end of book*
Moeller A. E., 263 Sumpter, Brooklyn, New York
National Regulator Co. (For Control of Dampers & Valves in a Heating Apparatus), 208 S Jefferson, Chicago, Ill.
New York Brass Foundry Co., 403 Broome, New York
Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.
Queen-Gray Co., 618 Chestnut, Phila., Pa.
Railway Utility Co. ("Utility" Electric), 721 Fulton, Chicago, Ill.
Robertshaw Mfg. Co. (Gas, Water Heater Thermostats), Youngwood, Pa.
Rolf Heater Mfg. Co., Columbus, O.
**SARCO CO., INC.**, 8 Park pl, New York
*See adv index at end of book*
Standard Regulator Co., 282 South, Newark, N. J.
Standard Thermometer Co., 65 Shirley, Boston, Mass.
Tagliabue Chas. J. Mfg. Co., 18 33d, Brooklyn, N. Y.
Virkant H. C., Tarrytown, N. Y.
Wilgus Mfg. Co. (For Crude Oil Burners), 229 Boyd, Los Angeles, Cal.
**WINCHELL H. C.**, 20 E Jackson blvd, Chicago, Ill.
Wolvertine Temperature Regulator Co., Marshall, Mich.
Yoder-Thomas Mfg. Co. ("Wentz"), Engineers bldg, Cleveland, O.

## 15522—Thickeners (Carbon)

Oliver Continuous Filter Co. (For Gas Works), 503 Market, San Francisco, Cal. & 33 W 42nd, New York
Wolvertine Temperature Regulator Co. 125 Exchange, Marshall, Mich.

## 15523—Thickeners (Continuous)

Colorado Iron Works Co. ("Rothwell"), Denver, Colo.
Dorr Co. ("Dorr"), Denver, Colo.
Oliver Continuous Filter Co. (Automatic Shine), 503 Market, San Francisco, Cal. & 33 W 42nd, New York

## 15523a—Thickeners (Slime)

Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
Conklin H. R., Joplin, Mo.
Dorr Co., Denver, Colo.
Industrial Filtration Corp., 115 B'way, New York
National Tank & Pipe Co., Portland, Ore.
Oliver Continuous Filter Co., 503 Market, San Francisco, Cal., & 33 W 42nd, New York
Traylor Engineering & Mfg. Co., Allentown, Pa.

## 15523b— Thickeners (Tray)

Dorr Co., Denver, Colo.

## 15524— Thiefs (Measuring)

Kraft, A. C. (Liquor), 323 W Lake, Chicago, Ill.
U. S. Bottlers' Machinery Co ("Taylor"), 2511 Park, Chicago, Ill.

## 15525—Thimbles (Chimney)

Adams Co. (Cast Iron), Dubuque, Ia.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W. S. Clay Mffg. Co., Kansas City, Mo.
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Seiner Chas. F., Indianapolis, Ind.
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Sterling Fdry. Co. ("The Best"), Sterling, Ill.
Texarkana Pipe Works, Texarkana, Ark.
Weber & Kirch Mffg. Co., Keokuk, Ia.

## 15525a—Thimbles (Extraction)

See also Shells, Extraction

Norton Co., Worcester, Mass.

## 15526— Thimbles (Floor)

American Foundry & Mfg. Co. ("American," "Sanders" Adjustable), 11th & Hebert, St. Louis, Mo.
Grabler Mfg. Co., Cleveland, O.

## 15527— Thimbles (Last)

Boston Pressed Metal Co., 170 Union, Worcester, Mass.

## 15527a—Thimbles (Locomotive Boiler)

Warren J. M. & Co., Troy, N. Y.

## 15528— Thimbles (Sewing)

Ansonia Novelty Co. (Aluminum, Steel & Brass, Gold & Silver), Ansonia, Conn.
Celluloid Co., 36 Washington, New York
Goldsmith Stern & Co., (Gold, Silver), 31 Gold, New York
Illinois Pure Aluminum Co. (Aluminum), Lemont, Ill.
Ketcham & McDougall (Gold & Silver), 15 Maiden la, New York
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*
Simons Bros Co. (Gold & Silver), 618 Chestnut, Philadelphia, Pa.
U. S. Needle Concern (Steel & Silver), 912 W Madison, Chicago, Ill.
Waite-Thresher Co., Abbott Park pl, Providence, R. I.
Webster Co., North Attleboro, Mass.
Whiting F. M. & Co. (Gold & Silver), N Attleboro, Mass.

## 15529-30—Thimbles (Stove Pipe)

Bretch A., 20 Stone, Dayton, O.
Deshler Mail Box Co., Deshler, O.
Eclipse Metal Mfg. Co. ("Eclipse"), Eden, N. Y.
Frantz Mfg. Co., Sterling, Ill.
Geuder Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Hemp & Co., Vandeventer nr Shaw, St. Louis, Mo.
Hessler H. E. Co., Syracuse, N. Y.
Lalance & Grosjean Mfg. Co. ("Royal"), 299 B'way, New York
Landers W. H. Co., Syracuse, N. Y.
Lawrence Bostwick Mfg. Co. (Ltd.), Phelps, N. Y.
Majestic Co. (Stove Pipe & Flue Thimbles) Huntington, Ind.
Peoria Can Co., Peoria, Ill.
Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Reeves Mfg. Co., Dover, O.
Stearns E. C. & Co. ("McGuire," "Star"), 450 Oneida, Syracuse, N. Y.

## 15531—Thimbles (Wire Rope)

American Hoist & Derrick Co., St. Paul, Minn.
**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Broderick & Bascom Rope Co. (Jobbers), 805 N Maine, St. Louis, Mo.

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Durable Wire Rope Co., 93 Pearl, Boston, Mass.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hallett Iron Works, Harvey, Ill.
Harrison Electric Co., 411 Van Brunt, Brooklyn, N. Y.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Laughlin Thos. Co. (Steel, also for Manila), Portland, Me.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Macomber & Whythe Rope Co. ("MacWhyte"), Kenosha, Wis.
Marine Hardware-Equip. Co. (Guy-Steel also for Manila), So. Portland, Me.
*See adv index at end of book*
MOON GEO. C. CO. ("Crescent"), Garwood, N. J.
*See adv index at end of book*
Neptune Hardware Mfg. Co., 29 Murray, New York
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Upson Walton Co., 1294 W 11th, Cleveland, Ohio
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilcox, Crittenden & Co. Inc. (Also for Manila Rope), Middletown, Conn.
*See adv index at end of book*
Williamsport Wire Rope Co., Williamsport, Pa.

## 15531a— Thiocarbanilide

National Aniline & Chemical Co., 21 Burling Slip, New York
Naugatuck Chemical Co., Naugatuck, Conn.
Semet-Solvay Co., Syracuse, N. Y.

## 15532—Third Rail Block System

WESTINGHOUSE ELECTRIC & MFG. CO., Westinghouse bldg, Pittsburgh, Pa. *See adv index at end of book*

## 15533—*Third Rail System (Electric)

See also Insulators, Third Rail
GENERAL ELECTRIC CO., Schenectady, N. Y. *See adv index at end of book*

## 15533a— Thorium

Roessler & Hasslacher Chemical Co., 709 6th av, New York

## 15534— Thorium Nitrate

Block Gas Mantle Co., Youngstown, Ohio
Foote Mineral Co. (Imp.), 107 No. 19th, Philadelphia, Pa.
Hummel & Robinson, 26 Cortlandt, New York
Pfaltz & Bauer ("Swan," Imp.), 300 Pearl, New York

## 15535-6— Thread (Cotton)

American Thread Co., 260 W B'way, New York
Amherst Mfg. Co. (Mercerized), Amherst, Mass.
Ballou Thread Co. (Shoe), 189 Charles, Providence, R. I.
Barrows Mfg. Co. (Glazed Spool Cotton), Lansdale, Pa.
Bay State Thread Works, Springfield, Mass.
Bemis Bro. Bag Co. (Union Special Machine), 601 S 4th, St. Louis, Mo.
Bibb Mfg. Co. (2, 3 & 4 Cord Spool Cotton), Macon, Ga.
Blodgett & Orswell Co. ("John J. Clark's" Spool Cotton, "B. & O." Threads), Pawtucket, R. I.
Boas Thread Co. (Spool), Stamford, Conn.
Boston Thread Co., Lena & Armat, Philadelphia, Pa.
Bullard W. H. Thread Co. (For the Trade), Holyoke, Mass.
Cairo Thread Works 105 Wooster New York
Central Mills Co. Southbridge, Mass.
Chadwick J. & Bros., ft Lembeck av, Jersey City, N. J.
Clark Thread Co. (Spool), East Newark, N. J.
Clark Robt. E. Thread Co., Chester, Pa.
Clark Thread Co. ("O. N. T." Spool), Clark, Newark, N. J.
Coats J. & P., Pawtucket, R. I.
Cranska Thread Co., Worcester, Mass.
Ederer R. J. Thread Co., Elizabeth & Unity, Phila., Pa.
Elizabeth Mills, Hills Grove, R. I.
Florence Thread Co., Florence, N. J.
Gray S. & Co., Walpole, Mass.
Greene & Daniels Co., Pawtucket, R. I.
Hall, Gardiner Jr. & Co. (Spool), S Willington, Conn.
Lawton Spinning Co., Woonsocket, R. I.
Linen Thread Co. (Selling Agents), 96 Franklin, New York
LOCKE A. E. & CO., INC., 225 Fourth av, New York
Meyer J. C. & Co. (For Mfg. Trades), Lowell, Mass.
Moore C. & Co., 5th & Market, Philadelphia, Pa.
Niagara Thread Co. (Glazed & Mercerized Sewing & Seaming), Ontario & Janney, Philadelphia, Pa.
Pelham Mills (In Balls), Pelham, S. C.
Pollack Max & Co. (Mercerized & Spool), 12 E 22nd, New York
Roxbury Shoe Thread Co. (Shoe), 35 Wormwood, Boston, Mass.
Slater W. A. Mills, Jewett City, Conn.
Spool Cotton Co. (Selling Agents) (Sewing for Household Use & Mfrs.), 315 4th av, New York
Standard Thread Co., 532 W 22d, New York
Summit Thread Co. (Spool), 103 Bedford, Boston, Mass.
Thread Agency (Selling Agents), 260 W B'way, New York
Union Thread Co., 69 & Big 4 R. R.-Carthage, Cincinnati, O.
Wachusett Thread Co., Worcester, Mass.
Warren W. Thread Works, Westfield, Mass.

## 15537— Thread (Linen)

Barbour Flax Spinning Co., Paterson, N. J.
Barbour J. E. Paterson, N. J.
Boston Thread & Twine Co., 575 Atlantic av, Boston, Mass.
Ederer R. J. Thread Co. ("Keystone"), Elizabeth & Unity, Phila., Pa.
Linen Thread Co. (Selling Agents), 96 Franklin, New York
Moore C. & Co., 5th & Market, Philadelphia, Pa.
Smith & Dove Mfg. Co., Andover, Mass.
Thread Agency (Selling Agents), 260 W B'way, New York
West End Thread Co. (Shoe, Bookbinders' Carpet, etc), Millbury, Mass.

## 15538— Thread (Rubber)

Easthampton Rubber Thread Co. (Para Rubber), Easthampton, Mass.
Goodrich B. F. Co., Akron, O.
Mechanical Fabric Co., 40 Sprague, Providence, R. I.
Revere Rubber Co., Chelsea, Mass.

## 15539— Thread (Shoe)

Ballou Thread Co. (Cotton), 189 Charles, Providence, R. I.
Cable Flax Mills, Schaghticoke, N. Y.
Laub's Geo. Sons (Linen), Buffalo, N. Y.
Linen Thread Co. (Selling Agents), 96 Franklin, New York
Meyer J. C. & Co. (Silk Finish), Lowell, Mass.
Roxbury Shoe Thread Co. (Cotton), 35 Wormwood, Boston, Mass.
Smith & Dove Mfg. Co. (Flax), Andover, Mass.
West End Thread Co. (Linen), Millbury, Mass.

## 15540— Thread (Silk)

Adams D. E. Co., 225 5th av, New York
Belding Bros. & Co., 902 B'way, New York
Berkshire & Becket Silk Co., Becket, Mass.
Boas Thread Co. (Spool), Stamford, Conn.
Brainerd & Armstrong Co., New London, Conn.
Champion Silk Co., Pottstown, Pa.
Crane Bros., Kingston, Pa.
De Witt Boag Co., Hornell, N. Y.
Eureka Silk Mfg. Co., Putnam, Conn.
Globe Silk Works, New Haven, Conn.
Hackenburg W. B. & Co., 1211 Arch, Philadelphia, Pa.
Hammond, Knowlton & Co., Putnam, Conn.
Hanks O. G. & Co., Mansfield Center, Conn.
Heineman O. Co. (Silk Floss, Insulating Silk, etc), 2701 Armitage av, Chicago, Ill.
Heminway & Bartlett Silk Co. (Sewing, Embroidery, etc; also Special Silks for Mfrs), Watertown, Conn.
H. K. H. Silk Co. (Sewing, Embroidery, Knitting, etc, also Special Silk for Mfrs), Watertown, Conn.
Holland Mfg. Co., Willimantic, Conn.
Khalizog Silk Co., Paterson, N. J.
Meyer J. C. & Co., Lowell, Mass.
Nonotuck Silk Co., Florence, Mass.
Ontario Thread Co., 17 Waverly pl, New York
Ramsey J. & Sons, Phillipsburg, N. J.
Rice A. H. Co., Pittsfield, Mass.
Richardson Silk Co., 309 W Adams, Chicago, Ill.
Thairwall Wm. C. & Co., 504 Albany, Boston, Mass.
Warehouse Point Silk Co., Warehouse Point, Conn.
Warren W. Thread Works (Sewing, etc), Westfield, Mass.
Winsted Silk Co., Winsted, Conn.

## 15541— Threaders (Needle)

Roeti-Hunt Corp. ("Ezi"), Putnam, Conn.

## 15542—Threaders (Wire Rod)

Goodell-Pratt Co. (Can Be Held in Any Vise), Greenfield, Mass.

## 15543— Threads (Screw)

Card S. W. Mfg. Co., Mansfield, Mass.
Jencks E. Mfg. Co. (Machine & Wood, Chased Cut or Rolled, Gimlet Pointed) Worcester, Mass.
KNAPP ARTHUR ENGINEERING CORP., 19 W 44th, New York
*See adv index at end of book*

## 15544—Thresher Feeders & Blowers

Maytag Co. (Feeders Only), Newton, Ia.
Reeves Pulley Co., Columbus, Ind.

## 15545— Threshers

Aultman & Taylor Machinery Co., Mansfield, O.
Avery Co. ("Yellow-Fellow"), Peoria, Ill.
Baker A. D. Co. ("Baker"), Swanton, O.
Baldwin Mfg. Co., Sparta, Mich.
Batavia Machine Co. (Grain), Batavia, N. Y.
Belle City Mfg. Co. ("Belle City," "New Racine"), Racine, Wis.
Buffalo Pitts Co., Buffalo, N. Y.
Campbell S. K. Co., Central Bridge, N. Y.
Cardwell Machine Co. (Rice, etc), 1900 E Cary, Richmond, Va.
Clark Machine Co. (Grain), St. Johnsville, N. Y.
Colonial Fireplace Co. (Iron, Brass or Marble), 4631 W 12th, Chicago, Ill.
Conner J. W. & Son ("Favorite," Thresher), Orangeville, Pa.
Doylestown Agricultural Co., Doylestown, Pa.
Ellis Keystone Agricultural Works ("Ellis Champion" Thresher & Cleaner), Pottstown, Pa.
Emerson-Brantingham Co. ("Reeves," "Geiser Peerless"), Rockford, Ill.
Farquhar A. B. Co. (Ltd.) (Also Rice), York, Pa.
Frick Co., Waynesboro, Pa.
Garden City Feeder Co., Pella, Ia.
Gill W. E. (Corn & Oats Separators), Lake Geneva, Wis.
Harder Mfg. Co., Cobleskill, N. Y.
Harrison Machine Works ("New Great Western"), Belleville, Ill.
Heebner & Sons ("Little Giant," "Pennsylvania"), Lansdale, Pa.
Heilman Machine Works, Evansville, Ind.
Huber Mfg. Co. ("Western Special"), Marion, O.
Illinois Thresher Co., Sycamore, Ill.
International Harvester Company of America (Inc.) ("International," "Sterling," "Belle City"), Harvester bldg, Chicago, Ill.
Keck-Gonnermann Co., Mount Vernon, Ind.

THRESHERS—continued

**Messinger Mfg. Co. (Thresher, Separator & Cleaner), Tatamy, Pa.**
Minneapolis Steel & Machy Co. (All Steel), **29th & Minnehaha, Minneapalis, Minn.**
Minneapolis Threshing Machine Co., Hopkins, Minneapolis, Minn.
Nichols & Shepard Co., Battle Creek, Mich.
Parlin & Orendorff Co., Canton, Ill.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Prairie Queen Mfg. Co., Newton, Kan.
Quick & Thomas, Auburn, N. Y.
Rumley Leo Tractor Co. ("Advance," "Gear-Scott"), Laporte, Ind.
Russell & Co., Massillon, O.
Star Mfg. Co. (Corn), Carpentersville, Ill.
Sproul Matt Co., Sprata, Ill.
Swayne, Robinson & Co., Richmond, Ind.
Westinghouse Co. ("Westinghouse" Grain & Straight Straw), Schenectady, N. Y.
Wood Bros. Thresher Co., Des Moines, Ia.

## 15546—Threshers (Bean & Pea)

Batavia Machine Co. ("Bidwell"), Batavia, N. Y.
Buffalo-Pitts Co. (Threshers & Cleaners), Buffalo, N. Y.
Koger Pea & Bean Thresher Co., Morristown, Tenn.
Owens J. L. Co., Fulton & S E Huron, Minneapolis, Minn.
Stopple W. H., Dallas, Tex.
Success Seed Grader Co., Spokane, Wash.
**Woodruff Machinery Mfg. Co., Winder, Ga.**

## 15547— Threshers (Corn)

**Port Huron Engine & Thresher Co., Port Huron, Mich.**

## 15548— Threshers (Rice)

**Aultman & Taylor Machinery Co., Mansfield, O.**
Cardwell Machine Co., 1900 E Cary, Richmond, Va.
Emerson-Brantingham Co. ("Reeves," "Geiser"), Rockford, Ill.
Harrison Mach. Wks. ("Belleville"), Belleville, Ill.
Swayne, Robinson & Co. ("Money-Maker") Richmond, Ind.

## 15549—Threshers (Straw Preserving & Rye)

Eddy W. Plow Co., Greenwich, N. Y.
Harder Mfg. Co. (Rye Thresher, Cleaner & Binder Combined), Cobleskill, N. Y.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Westinghouse Co., Schenectady, N. Y.

## 15550—Threshers & Cleaners (Peanut)

Cardwell Mach. Co. ("Creasey"), 1900 E Cary, Richmond, Va.
Ellis Keystone Agrl. Works, Pottstown, Pa.

## 15551— Thresholds

**COLUMBUS BRASS CO.** (Cast Brass) **538 Dublin av, Columbus, O.**
*See adv index at end of book*
**Columbus Wire & Iron Works Co., Columbus, O.**
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
**Hester Mfg. Co. (Brass), 1455 S Michigan av, Chicago, Ill.**
Kawner Mfg. Co., Niles, Mich.
Lasar Ornamental Iron Co. (Bronze & Iron), 16th & O'Fallon, St. Louis, Mo.
**Newman Mfg. Co. (Brass & Bronze), 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill.**
*See adv index at end of book*
**St. Louis Brass Mfg. Co. (Cast Brass or Bronze), Jefferson & Washington, St. Louis, Mo.**
Stolz Jos. & Son, Inc. (Brass, Bronze & Cast Iron, Elevator & Steel), 841 E 136th, New York
Stover Mfg. & Engine Co., Freeport, Ill.
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Wisconsin Iron & Wire Wks. (Metal, Elevator), Milwaukee, Wis.

## 15552— *Throttles for Generator Valve

**LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.**
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 15552a— Thymol

Chiris Antonine Co., 20 Platt, New York
Greeff R. W. & Co., 78 Front, New York
National Aniline & Chemical Co., 21 Burling Slip, New York
Verona Chemical Co., No. Newark, N. J.

## 15553— Ticket Choppers & Destroyers

**See also Boxes, Ticket Cancelling**

Globe Ticket Co., 112 N 12th, Phila., Pa.
Newman Mfg. Co. (Brass & Wood), 717 **Sycamore, Cincinnati, O.; 68 W Washington, Chicago, Ill.**
*See adv index at end of book*
Patten Paul B. Co. (Destroyers), Salem, Mass.

## 15554— Tickets (Pin)

Dancyger Safety Pin Ticket Co., 4707 Detroit, Cleveland, O.
Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Eisler Anthony & Co. (Also Folding), 227 Canal, New York
Kimball A. Co., 307 W B'way, New York
Noesting Pin Ticket Co. ("Harmless"), Mt. Vernon, N. Y.
Salisbury Mfg. Co. (Self-Fastening, Folding, etc), 14 Leather av, Providence, R. I.

## 15555—Tickets & Transfers (Street Railway)

Globe Ticket Co., 112 N 12th, Phila., Pa.
Hamilton Bank Note Engraving & Printing Co., 142 Adams, Brooklyn, N Y
Keller Printing Co. (Tickets Only), 295 Lafayette, New York
Macdonald Ticket & Ticket Box Co., 5015 Wellesley av, Cleveland, O.
National Ticket Co., 205 St. Clair av, N E, Cleveland, O.
Ohmer Fare Register Co., Dayton, O.
Reyburn Mfg. Co. (Tickets Only), 23rd & Allegheny av, Phila., Pa.
Scott J. B. Co. (Roll Tickets), Kansas City, Mo.
Security Bank Note Co., 223 Chestnut, Philadelphia, Pa.
Stromberg, Allen & Co., 430 S Clark, Chicago, Ill.

## 15556— Tickings

Amoskeag Mfg. Co., Manchester, N. H.
Columbian Mfg. Co., Greenville, N. H.
Conestoga Steam Cotton Mills, Lancaster, Pa.
Cordis Mills, Millbury, Mass.
Crown Cotton Mills, Dalton, Ga.
Delgado Mills, Wilmington, N. C.
Eagle & Phenix Mills, Columbus, Ga.
Enterprise Cotton Mills, Enterprise, Ala.
Erwin Cotton Mills Co., West Durham, N. C.
Falls Co., Norwich, Conn.
Gary J. S. & Son, Equitable bldg, Baltimore, Md.
Globe Cotton Mills, Augusta, Ga.
Griffin Mfg. Co., Griffin, Ga.
Hamilton Mfg. Co. 77 Franklin, Boston, Mass.
Hettrick Mfg. Co., Toledo, O.
High Shoals Mfg. Co., High Shoals, Ga.
Holt-Williamson Mfg. Co., Fayetteville, N. C.
Kincaid Mfg. Co., Griffin, Ga.
Kneedler & Co., Eadon & Kennedy, Fkd., Phila., Pa.
Lexington Mfg. Co., Lexington, S. C.
Locke Cotton Mills Co., Concord, N. C.
Lynchburg Cotton Mills, Lynchburg, Va.
Manchester Cotton Mills, Rock Hill, S. C.
Massachusetts Cotton Mills, Exchange bldg, Boston, Mass.
Middleburg Mills, Columbia, S. C.
Montgomery Cotton Mills, Montgomery, Ala.
Muscogee Mfg. Co., Columbus, Ga.
Oakland Mills, Taunton, Mass.
Pelham Mfg. Co., Pelham, Ga.
Putnam Mills & Power Co., Eatonton, Ga.
Shetucket Co., Greenville, Conn.
Stark Mills, Manchester, N. H.
Stonewall Cotton Mills, Stonewall, Miss.
Sylvan Cotton Mills, Shelbyville, Tenn.
Tallassee Falls Mfg. Co., Tallassee, Ala.
Thorndike Co., 72 Franklin, Boston, Mass.
Tombigbee Cotton Mills, Columbus, Miss.
Whitaker Wm. & Sons, Cedar Grove, Philadelphia, Pa.
White Bros., Winchendon Springs, Mass.
Wiggins H. B. Sons Co., Bloomfield, N. J.
Willingham Cotton Mills, Macon, Ga.

## 15557—Tie-Bars (Stub-Switch)

Cincinnati Frog & Switch Co., Cincinnati, Ohio *See adv index at end of book*

Established 1906
THE CINCINNATI FROG & SWITCH CO.
Cincinnati, Ohio

Morden Frog & Crossing Works, 208 S La Salle, Chicago, Ill.
Nelson Iron Works, Spokane, Wash.
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 15557a— Tiers (Meat)

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

## 15558— Ties (Bale)

Acme Steel Goods Co., 2834 Archer av, Chicago, Ill.
**AMERICAN STEEL & WIRE CO.** ("American" & "Griswold"), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
**Belmer H. Co., 628 W 3d, Cincinnati, O.**
Blakeslee G. S. & Co. (Jobbers), W 19th & S 52d av, Chicago, Ill.
**Cambria Steel Co. (Wire), Widener bldg, Philadelphia, Pa.**
Colorado Fuel & Iron Co., Denver, Colo.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
**Des Moines Bale Tie Co. (Hay, Straw & Excelsior), Des Moines, Ia.**
Downey W. C. & Co. (Steel Wire), Springfield, O.
Ertel Geo. Co., Quincy, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Gulf States Steel Co., Birmingham, Ala.
**IGOE BROTHERS** (Wire), Canal & Lafayette, New York
*See adv index at end of book*
**Kilmer M. D. & Co., 6001 Quinby, Cleveland, O.**
Kokomo Bale Tie Co. (Wire, for Hay, Straw & Excelsior), Kokomo, Ind.
**Kokomo Steel & Wire Co. (Jobbers, Hay, Straw or Excelsior), Kokomo, Ind.**
**Nichols Wire Co., 21st & Baltimore, Kansas City, Mo.**
Shelby Wire Co., Shelby, O.
Signode System, Inc., 108 W Lake, Chicago, Ill., & 33 Union sp, W, New York
**STANLEY WORKS, New Britain, Conn.**
*See adv index at end of book*
**Tudor & Jones, Weedsport, N. Y.**
Twisted Wire & Steel Co. (Flat Band), 437 11th av, New York
Union Steel & Wire Co., Indianapolis, Ind.
Wilson H. P. & H. F. (Steel Wire), 542 W 22d, New York

## 15558a—*Ties (Brass, Cast & Mall Iron)

Larkin J. K. & Co. (Union Pipe), 34 Reade, New York
*See adv index at end of book*

## 15559—Ties (Cattle & Horse)

Alexander Halter Factory ("Billet"), Alexandria, O.
Cooper Otway (Rope), Urbana, O.
Covert Mfg. Co., Troy, N. Y.
Covert Saddlery Works, Interlaken, N. Y.
Fricke J. E. Co. ("Emory Brand"), 247 Market, Philadelphia, Pa.
Gem Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.

Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Rugg E. T. & Co., Newark, O.
Sargent & Co. (Rope), New Haven, Conn.
Workmen H. B. Co. (Rope), Lititz, Pa.

## 15560—Ties (Concrete Steel, Railroad)

Whitehead Co., Farmington, Ill.

## 15561-2— Ties (Cotton)

**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
**Atlantic Steel Co. (Steel), Atlanta, Ga.**
Beckley Perforating Co., Garwood, N. J.
Carnegie Steel Co. (Steel), Carnegie bldg, Pittsburgh, Pa.
Colorado Fuel & Iron Co., Denver, Colo.
Conners-Weyman Steel Co., Birmingham, Ala.
Friedlander Julius & Co., Columbus, Ga.
**Pittsburgh Steel Co., 5th av & Grant, Pittsburgh, Pa.**
Riverside Mills, Augusta, Ga.
Sharon Steel Hoop Co., Sharon, Pa.

## Ties (Creosoted)

**See Creosoting Works**

## 15563— Ties (Horse Tail)

**Fernald Mfg. Co., North East, Pa.**
Wallace & Smith Co., 86 W Water, Milwaukee, Wis.

## 15564— Ties (Mine)

Cambria Steel Co., Widener bldg., Philadelphia, Pa.
**Cincinnati Frog & Switch Co., Cincinnati, O.** *See adv index at end of book*

Established 1906
THE CINCINNATI FROG & SWITCH CO.
Cincinnati, Ohio

**Fairmont Mining Machinery Co. ("Ross" Steel), Fairmont, W. Va.**
Serfas Lumber Co., Drake bldg, Easton, Pa.

## 15565—Ties, Poles & Posts

**See also Poles, Iron & Steel Trolley; also Lumber Manufacturers**

### ALABAMA.

**FLORENCE—Richardson Lumber Co. (Cedar Poles)**
**RUSSELLVILLE—Richardson Lumber Co. (Cedar Poles)**

### ARKANSAS.

CROSSETT—Crossett Lumber Co.
DERMOTT—Remley Esley P (Ties, etc)
LITTLE ROCK—Byrd P. A. (Piling, Ties)
PARAGOULD—Bertig Bros. (Ties)
SCHAAL—Odell & Ennis (Ties)
**TEXARKANA—National Lumber & Creosoting Co.**
**WILTON—Cooper E. C. (Ties)**

### CALIFORNIA.

CASPAR—Caspar Lumber Co. (Redwood Ties)
**SAN FRANCISCO—Albion Lumber Co. (Redwood Ties), 582 Market**
Byxbee & Clark, Balboa bldg
**Caspar Lumber Co. (Ties), Hobart bldg**
Grays Harbor Commercial Co.
Hanify J. R. Co. (Ties), 24 Market
**Hooper C. A. & Co. (Ties), Balboa bldg**
McFaul-Perkins Co. (Ties), Chronicle bldg
**Nelson Chas. Co., 230 California**
Pacific Lumber Co. (Ties, etc).
**Pope & Talbot (Piles, Spars, etc), ft of 3d**
Port Blakeley Mill Co.
**Puget Mill Co. (Piles & Telegraph Poles)**
**Richardson Co., 320 Market**
Tacoma Mill Co. (Piles & Telephone Poles), 310 Sansome
Union Lumber Co. (Poles & Ties), Crocker bldg
White L. E. Lumber Co. (Ties, etc), Balboa bldg
Wood E. K. Lumber Co., 112 Market

### COLORADO.

DENVER—Continental Tie & Lumber Co.

### CONNECTICUT.

NEW LONDON—Raymond & Alexander Lumber Co. (Ties & Posts)

### DELAWARE.

MILTON—Conwell & Co. (Pine & Oak Piling, Mine Timbers, R.R. Ties, etc)
WILMINGTON—Bush J. D. & Co. (Ties & Piling)

### FLORIDA.

CALLAHAN—Jones R. H. (Cross Ties)
JACKSONVILLE—Cook Wm. P. & Co.
**Hunter Co. (Ties)**
KOLOKEE—Holzendorf Geo. W. (Rough Pine Lumber)
TRILBY—Croft T. E. (Cross Ties)

### GEORGIA.

ATLANTA—Southern Wood Preserving Co.
**BROADHURST—Rogers W. C. (Cross Ties)**
BRUNSWICK—American Tie & Timber Co.
Bladen Tie & Lumber Co. (Cross Ties)
Joyce Watkins & Co. (Cross Ties)
**BURNT FORT—Bull J. C. (Cross Ties)**
SAVANNAH—Brook-Bolshaw Co. (Cross Ties)
Emanuel N. & Co. (Cross Ties)
Heard Lumber Co.
Hirsch Lumber Co. (R.R. Ties, etc)
THOMASVILLE—Jemison J. B. & Co. (Bridge Timbers, etc)
**Watt James & Bro. (Ties)**

### IDAHO.

COEUR D'ALENE—Atlas Tie Co. (Cross Ties)
SAND POINT—Hitchner & Hitchner (Cedar)
Humbird Lumber Co. (Ltd.) Red Cedar Poles)
**Sand Point Lumber & Pole Co. (Ltd.) (Red Cedar Posts, Poles, Piling, etc)**

### ILLINOIS.

CHICAGO—Acme Lumber & Shingle Co., 20 Jackson blvd
Ayer & Lord Tie Co. (R. R. Ties), 80 E Jackson blvd
Bates Expanded Steel Truss Co., 208 S La Salle
**Beidler Francis (Idaho Cedar & Michigan White Cedar Poles 40 ft & up) 20 W Jackson.**
Continental Piling & Lumber Co. (Piling), 112 W Adams
Crane W. B. & Co. (Cedar Posts & Trees), 913 W 22d
Deeves G. H. Lumber Co. (Ties), Ry. Exchange
Gillis & Co. (Timber, Ties, etc), Heyworth bldg
Goodman K. S. Co. (Cedar Poles & Posts), 80 E Jackson blvd
Kellogg Switchboard & Supply Co. **(White Cedar Poles, etc), 1066 W Adams**
**Lake Superior Piling Co. (Piling), 961 22d**
Leach L. D. & Co., 343 S Dearborn
Lowe Perley & Co. (Cedar Poles), 332 S Michigan av
Marsh & Bingham Co. (Ties), 80 E Jackson blvd
Marsh & Truman Lumber Co., (Oak, Fir, Yellow Pine Ties), 332 S Michigan av
Naugle Pole & Tie Co. (Ties, Poles & Posts), 2307 S Morgan
Schultz W. W. & A. J., Old Colony bldg
Smith A. B. Lumber Co., Old Colony bldg
Stone Frank B. (Ties, Poles & Posts), 80 E Jackson blvd
Worcester C. H. Co., 19 S Lasalle
**McLEANSBORO—Wilson J. H. & Son** (R. R. Ties)
MADISON—Kettle River Co. (Ties, Bridge, Timbers, etc)
WAUKEGAN—Chicago Creosoting Co. (Ties, Timber, etc)

### INDIANA.

**EVANSVILLE—Indiana Tie Co. (R R Ties)**
MEDORA—Turney (Cross Ties)
RICHMOND—Johnson B. & Son (R. R. Ties, Piles, etc.)
**TROY—Eberhard & Splater ("Ties")**

### IOWA.

DES MOINES—Church W. C., Lumber Co. (White Cedar, Ties, Poles & Posts)
**Deal L. K. Lumber Co. (White Cedar** Telephone Poles)
GRINNELL—Carney B. J. & Co.

### KENTUCKY.

BUCKHORN—Eversole A. B. (Ties & Logs)
Huff & Findley Ties & Logs)
**BURNSIDE—Greeno C. C.**
CANEYVILLE—Bond W. T. (Cross Ties)
CLOVERPORT — Weatherholt Marion (Ties)
DANVILLE—Taylor & Moss
ELIZABETHTOWN—Bond Bros. (R. R. Cross Ties)
FROZEN CREEK—Day J. T. (Ties)
**GREENUP—Wilson & Diggs (Telephone** Poles & Cross Ties)
HAZEL GREEN—Day J. T.
**HEIDELBERG—Hall Louis (Cross Ties)**
JOB—Tripp W. E. & Co, (R. R. Ties)
**KEAVEY—Storm S. L. (Ties)**
LOUISA—Northrup Jay H. (Ties)
LOUISVILLE—Hughes W. J. & Sons Co.
Ohio Valley Tie Co. (R. R. Ties)
MOREHEAD—Bradley S. M. (R. R. Ties)
PADUCAH—Paducah Pole & Timber Co. (Chestnut Telephone & Telegraph Poles)
Smith A. B. Lumber Co. (Southern Red Cedar Posts)
PAINTSVILLE—Cooper C. M. (R. R. Ties)
Maggard L. D. & Co. (Cross Ties)
PANOLA—Madison-Jackson-Estill Lumber & Development Co. (Cross Ties, Fence Posts, Telephone Poles)

### LOUISIANA.

ALEXANDRIA—Alexandria Lumber Co. (Ltd.)
BOGALUSA — American Creosoting Co. (Creosoted)
*See adv index at end of book*
DONNER—Dibert, Stark & Brown Cypress Co. (Ltd.)
**LONGSTREET—Perry W. D. (Cross Ties)**
MORGAN CITY—Bass & Pettigrew Timber Co.
Gulf Coast Timber Co.
NEW ORLEANS — American Creosote **Works (Creosoted Ties & Poles) Southport**
Creosoted Material Co., Inc., Queen & Crescent bldg
**General Cooperage & Timber Co. (Ties), Whitney Central bldg.**
St. James Timber Co., Ltd., 1110 Hibernia (Cross Ties), Whitney bldg
Salmen Brick & Lumber Co., Ltd. (Yellow Pine Poles, Cross Ties & Foundation Piling)
PATTERSON—Williams F. B. Cypress Co. (Ltd.), (Cpress Poles & Cross Arms)
PLAIN DEALING—Caldwell S. J. (R. R. Ties)
SLIDELL—Salmen Brick & Lumber Co. **(Ltd.), Yellow Pine Poles, Cross** Ties & Foundation Piling)
Southern Creosoting Co. (Ltd.) (Creosoted Ties, Telegraph Poles, Piles, Timbers, etc)

### MAINE.

AUGUSTA—Viles & Gannet (Long & Short Lumber, Cedar Ties, Poles, Posts, Shingle)
**PORTLAND—Allen Wm. A. Co., (Posts)**
Brown Co. (Kyanized Spruce)
STACYVILLE—Tracy M. M. (Ties)

### MARYLAND.

**BALTIMORE—Culpepper & Co. (Pine & White Oak Piles, Ties, Poles, etc), 22 E Lexington**
Grube Herman L. (Ties, Poles, Posts, Piling, Mine Props, Heavy Timber, etc), American bldg
**HOSKINS J. S. LUMBER MFG. CO.** (Ties, Poles, Posts & Pine & Oak Piling)
BRANDYWINE—Robinson A. T. (Ties)
HAGERSTOWN—Funkhouser R. J. & Co.

### MICHIGAN.

BAY CITY—Michigan Pipe Co. (Ties, Poles & Posts, Creosoted, also plain)
BOYNE CITY—White W. H. Co. (Cedar Ties & Posts)
CHEBOYGAN — Rittenhouse John C. (Cedar)
DAGGETT—Perrizo & Sons (Poles & Posts)
DETROIT—Brownlee Co. (Telegraph Poles), River Rouge
Detroit Cedar & Lumber Co., Dunni Bark bldg
Detroit Lumber Co., Jefferson & Junction avs
Grace Harbor Lumber Co. (Ties, Poles & Posts), ft Western blvd
ESCANABA—Erickson & Bissell (Cedar Ties, Poles, Posts — Tiling)
National Pole Co. (Red & White Cedar Poles)
GRAND RAPIDS—Dregge, Groover Lumber Co.
Northland Lumber Co.
Union City Lumber Co.
Warner-Newton Lumber Co. (Cedar Ties, Poles & Posts)
HARDWOOD—Anderson P. J.
HERMANSVILLE — Wisconsin Land & Lumber Co. (Cedar Ties, Poles & Posts)
INGALLS—Carley Ira
LUDINGTON—*Stearns Salt & Lumber Co. (Poles, etc)
MANISTIQUE—White Marble Lime Co. (Hemlock, Cedar & Tamarack Ties & Cedar Poles & Posts)
MENOMINEE — Crawford Cedar Co. (Cedar Telephone Poles)
Girard Lumber Co. (Ties, Poles & Posts)
Huebel C. J. Co. (Idaho Cedar & Michigan White Cedar Poles, 40 ft & up)
MONROE—Sterling W. C. & Son (Ties, Electric Light Poles, etc)
ONAWAY—Chandler Geo. M. (Michigan White Cedar)
Lobdell Emery Mfg. Co. (Ties, Poles Posts)
OSCODA—Loud H. M. Sons Co. (Poles & Posts)
PORT HURON—Haynes Lumber Co. (Posts)
RAPID RIVER—Madden Jerry Shingle Co.

### MINNESOTA.

CLOQUET—Cloquet Tie & Post Co.
DULUTH—Duluth Log Co. (White Cedar Poles, Ties & Posts)
Martin Bros. (Cedar Ties, Poles & Posts)
National Pole Co. (Ties, Poles & Posts)
LITTLE FALLS—Pine Tree Mfg. Co. (White Pine & White Cedar Posts)
MINNEAPOLIS—Bell Lumber Co. (White Cedar Telephone Poles) Security bldg.
Coolidge & Schussler (Ties, Telegraph & Telephone Poles), Metropolitan Life bldg
Itasca Lumber Co. (Cedar Ties, Poles & Posts) 827 Lumber Exchange
Kettle River Co. (Ties, Bridge Timbers, etc) Plymouth bldg
Krueger A. L. Lumber Co. (Cedar Poles), 130 1st av N
Lewis F. H. (Idaho Cedar Poles) 631 Lumber Exchange
Lindsley Bros. Co., 31st & Univ. av, N. E.
McCulloch & Moss Lumber Co. (White Cedar Poles, Ties & Piling) 310 Lumber Exch
Morrison J. W. Lumber Co. (White Cedar Poles) 927 Lumber Exchange
Page & Hill Co. (Cedar Poles & Posts) Plymouth bldg
Partridge T. M. Lumber Co. (Ties, Poles & Posts) 730 Lumber Exchange
Standard Cedar & Lumber Co. (White Cedar Poles & Posts) 511 Lumber Exchange
Three States Cedar Co. (Cedar Poles) Plymouth bldg
Valentine-Clark Co. (Cedar Poles, Telegraph Poles, Railroad Ties, etc) Security bldg

### MISSISSIPPI.

GULFPORT—Gulfport Creosoting Co. (Ties, Poles, Piling, etc)
MOORHEAD—Rich W. T. Lumber Co.

### MISSOURI.

CABOOL—Grant-Davis Lumber Co. (Oak Piling, Fence Posts, Ties, etc)
DES ARC—Graves & Stamp (Red & White Oak Cross Ties)
KANSAS CITY—Sedgwick Tie Co. (Ties, Poles, etc.), 10th & Brodway
MONTGOMERY CITY—Ferguson James (R R Ties)
MOREHOUSE—Himmelberger - Harrison Lumber Co. (Ties Only)
POPLAR BLUFF—Leach Lbr. & Tie Co. (Ties, etc)
ST. LOUIS—Abeles & Taussig (White Oak Ties & Cypress Poles), Commercial bldg
Bagnell Timber Co. (Ties), Title Guarantee bldg
Berthold & Jennings Lumber Co. (Piling Telegraph Poles, Ties, etc), Arcade bldg
Chicago Lumber & Coal Co. (Poles & Posts) East
Griffen Geo. M. Lumber Co. (Oak & Cypress Piling, Telephone Poles, etc), 5722 Bartmer
Hearne Timber Co. (White & Red Oak Ties, Cypress Poles & Piling), Times bldg
Moss T. J. Tie Co. (Oak, Cypress & Chestnut Ties & Cypress Trolley Poles), Security bldg
Walsh Tie & Lumber Co. (Ties, etc.), Title Guaranty bldg
Western Tie & Timber Co. (Ties), Syndicate Trust bldg
SPRINGFIELD—Hobart-Lee Tie Co. (R R Ties & Lumber)

### NEBRASKA.

OMAHA—Dodds Lumber Co. (Tenn. Red Cedar & Cypress Poles)
Nebraska Bridge Supply & Lumber Co. (Cedar)

### NEW HAMPSHIRE.

MILFORD—Peirce W. E. & Co. (Ties, Poles & Posts)

### NEW JERSEY.

CAMDEN—Baird David Co. (Poles & Posts, Trolley, etc)
ERMA—Hand Robt. E. (Ties, Posts & Piling)

### NEW YORK.

ALBANY—Hunter Dexter (Ties)
BUFFALO—Curtiss W. L. (Ties), Birge bldg
Elias G. & Bro., 965 Elk
Jackson & Tindle (Cedar Ties, Poles & Posts)
NEW YORK—American Bridge Co., 30 Church
American Creosoting Co. (Creosoted Ties & Timbers), 17 Battery pl
American Tie & Timber Co., 11 B'way
Baker-Bond Lumber Co., 405 Lexington av
Chesebro, Whitman Co. (Flag & Clothes Poles), 1167 1st av
Cooney, Eckstein & Co. (R R Ties), 66 Broad
Corbett & Co., 429 E 109th
Dooley-Killian Co., Inc. (R. R. Ties), 26 Cortlandt, New York
Eppinger & Russell Co., 165 B'way
Miner Stanley H. (Timbers, Poles, Dock Logs, etc), 17 Battery pl
Southern Exchange Co. (Southern White Cedar Poles), 97 Warren
Vanderbilt Edw. W. (Ties), 126 Liberty
Western Electric Co., 463 West
Wyckoff Pipe & Creosoting Co. (Creosoted Ties & Poles), 30 E 42nd
OSWEGO—Farwell J. B. & Co. (Cedar Poles)
WAVERLY—Baldwin H. J. & Son (Ties)

### NORTH CAROLINA.

IVANHOE—Juniper Lumber Co., Inc. (White Cedar Poles)

### OHIO.

CINCINNATI—Compressed Wood Preserving Co. (Creosoted Ties, Timbers, etc) Spring Grove & Station avs, Winton pl.
Doran & Co., Bell blk
Farrin M. B. Lumber Co. (R R Ties, Poles, Fence Posts & Dock Piling), Station av & Winton pl
Mowbray & Robinson Co. (Ties, etc), 8th & Horn
Shawnee Lumber Co. (Ties, etc), 1775 Weber Cumminsville
CLEVELAND — Advance Lumber Co., Rockefeller bldg
FISHEL & MARKS CO., foot of Krakow av
*See adv index at end of book*
COLUMBUS—Dodson E. Saw Mill & Lumber Co. (Ties & Piling), 557 Cleveland av
IRONTON—Ironton Cross Tie Co. (Ties)
JACKSON—Stevenson Bros. (Cross Ties)
LUCASVILLE—Brant & Appel Co. (Cross Ties)
PEEBLES—Bashford E. A. (Cross Ties)
TOLEDO—Bissell F. Co. (Cedar, Chestnut & Cypress Poles & Wood Posts)
Jennison-Wright Co. (Creosoted Ties, Bridge Timbers, etc)
National Pole Co. (Cedar Poles)
Superior Post Co., 2907 Summit
Toledo Fence & Post Co., 2907 Summit
WASHINGTON C. H.—Baker G. D. (Ties)

### OREGON.

PORTLAND—Broughton & Wiggins Co., Yeon bldg
Douglas Fir Lumber Co., Yeon bldg

### PENNSYLVANIA.

EASTON—Serfas Lumber Co. (Ties, Poles & Piling), Drake bldg, Easton, Pa.
FRANKLIN—James W. J. (Chestnut)
NEWPORT—Sharon Samuel A.
OIL CITY—Berry Co. (Cross Ties)
PHILADELPHIA—Bernard Bros. (R R Ties, Switch Timbers, Pine & Oak Piling, Tel. Poles & Mine Props). Land Title bldg
Hallowell & Souder (Ties, Poles & Posts), Harrison bldg
Risley C. V. (R. R. Ties), Bourse bldg
Roper Jno. L. Lumber Co. (Ties), Franklin Bank bldg
Thompson Lewis & Co. (R R Ties & Posts), N America bldg
Union Railway Supply Co. (Electric Railway Ties & Poles), Real Estate Trust Co. bldg
PITTSBURGH—American Bridge Co., Frick bldg
Gillespie D. L. & Co. (Ties), Oliver bldg
Henderson Lumber Co. (Chestnut Poles, Oak & Chestnut Ties), 316 4th av
Ohio Wood Preserving Co., Century bldg
Pittsburgh Wood Preserving Co., Century bldg,
Thompson Dwight (Cross Ties), House bldg
ROCKWOOD—Wolf Penrose
THOMPSONTOWN—Thomson Theo. S. (Estate of) (Ties)
TIONESTA—Forman H. M. (Ties)

### RHODE ISLAND.

PROVIDENCE—Walling H. E. (Poles & Ties), Union Trust bldg.

### SOUTH CAROLINA.

ALCOLU—Alderman D. W. & Sons Co. (Octagonal or Square Poles)
CHARLESTON—Anderson Lumber Co. (Ties)

### TENNESSEE.

MEMPHIS—Meredith J. P. Cedar Co. (Red Cedar Piling, Poles & Posts)
NASHVILLE—Nashville Tie Co. (Cross Ties & Cedar Pilings)
Ransom J. B. & Co. (Red Cedar Posts & Poles)

### TEXAS.

BEAUMONT—Keith Lumber Co. (Ties)
Nona Mills Co. Ltd. (Ties)
GALVESTON—Heiskell Jas. M. (R R Ties)
International Creosoting & Const. Co. (Creosoted Ties, Bridge Timbers, Piling, Poles, etc)
HOUSTON—Bender C & Sons (Ties & Bridge Timbers)
Carter W. T. Lumber & Bldg. Co. (Ties, etc)
Continental Lumber Co.
Kirby Lumber Co. (Ties etc)
Texas & Louisiana Lumber Co. (Posts, Timbers, Ties, etc)

### VIRGINIA.

NORFOLK—Norfolk Creosoting Co. (Poles, Posts, Piling, etc)
Roper John L. Lumber Co. (Ties & Posts Only)
PORTSMOUTH—Wyckoff Pipe & Creosoting Co. (Creosoted Ties & Poles)
RICHMOND—Conquest P. L. & Son (Cross Ties), Amer. Natl. Bank bldg
Johnson & Briggs (Ties), Mutual bldg
ROANOKE—Valley Tie & Lumber Co. (Cross Ties Only)
STAUNTON—Valley Tie & Lumber Co.

### WASHINGTON.

COSMOPOLIS—Grays Harbor Commercial Co. (Cross Ties & Poles)
EVERETT—National Pole Co. (Red & White Cedar Poles)
HALL—Dayton Saw Mill & Lbr. Co. (Railway Cross Ties)
OSTRANDER—Ostrander Railway & Timber Co. (Long Fir Timbers & R. R. Ties)
PORT BLAKELEY—Port Blakeley Mill Co. (Ties)
PORT LUDLOW—Puget Mill Co., See San Francisco, Cal.
SEATTLE—Miller A. W. Saw Mill Co.
Northwest Lumber Co. (Spars, Piles & Telegraph Poles)
Pacific Fir Co. (Ties)
Puget Mill Co. (Fir Spars)
Seattle Construction & Dry Dock Co. (Piles)
SPOKANE—Carney B. & J. Co.
Chapin E. T. Co.
Lindsley Bros. Co. (Cedar Poles)
Pacific Coast Pole Co. (Ties, Poles & Piling)
TACOMA—St. Paul & Tacoma Lumber Co. ("Douglass" Fir Piles, Ties. Bridge Material, etc)
Tacoma Mill Co. (Piles & Telephone Poles)
WINLOCK—O'Connell Lumber Co. (Poles & Piling up to 100 ft.)

### WEST VIRGINIA.

CHARLESTON—Courtney Co. (R. R. Ties)
HUNTINGTON — Mercereau-Hawkins Tie Co.
RICHWOOD—Cherry River Boom & Lumber Co. (Telephone Poles, etc),

### WISCONSIN.

CLINTONVILLE—Torrey Cedar Co. (Poles & Posts)
DUNBAR—Girard Lumber Co. (Ties, Poles & Posts)
GAGEN—Gagen Lbr. & Cedar Co.
GOODMAN—Goodman Lumber Co. (Cedar Poles & Posts)
GREEN BAY—Northland Lumber Co. (Posts)
Valentine-Clark Co. (Cedar Ties, Poles, etc)
MADISON—Collins Esslen Lumber Co. (Posts & Ties)
MARSHFIELD—Connor R. Co. (Cedar Poles & Posts)
MILWAUKEE—MacGillis & Gibbs Co., Wells bldg
OSHKOSH—Morgan Co. (Cedar Poles & Posts)
RHINELANDER — Robbins Lumber Co. (Cedar Posts)
TOMAHAWK—Brooks Hall L. (Cedar Posts, etc)
WITTENBERG—Glaubitz R. B. (Posts & Poles)
Wheeler-Arnold Co.

## 15566—Ties (Reinforcing Material)

Bragstad Concrete Machy. Co., Inc., Canton, S. Dak.
Neevell Mfg. Co., Kansas City, Mo.

## 15567— Ties (Steel)

Bossert Corp., Cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
Cambria Steel Co. ("Slick" Mine), Widener bldg, Philadelphia, Pa.
**CENTRAL FROG & SWITCH CO.** (For Mines & Industrial Plants), Cincinnati, O. *See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
**Fairmont Mining Machinery Co. (For Mines), Fairmont, W. Va.**
Fishel & Marks Co., ft. of Krakow av, Cleveland, O. *See adv index at end of book*
**Sweets Steel Co., Williamsport, Pa.**
Valley Forging Co., Verona, Pa.

## 15568—Ties (Steel Railroad)

American Bridge Co. (Pressed for Street & Steam Railways), 30 Church, New York
Bossert Corp., Cor. Linden & West av, Utica, N. Y. *See adv index at end of book*
Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
International Steel Tie Co. (Twin Ties), 16702 Waterloo av, Cleveland, O.

## Ties (Veneer)

See Ties, Wall

## 15569— Ties (Wall)

Allegheny Steel Band Co., 886 Progress, Pittsburgh, Pa.
American Rolling Mill Co. ("Miami," "Bull Dog" & "Veneer"), Middletown, O.
Beatrice Steel Tank Mfg. Co. ("New-Way"), Beatrice, Neb.
Berger Mfg. Co., Canton, O.
Bostwick Steel Lath Co. ("Bostwick" Galvanized), Niles, O.
**Burton W. J. Co. (Brock & Cement), Junction & Federal av, Detroit, Mich.**
Bushnell Tank Works, Bushnell, Ill.
Bragstad Concrete Mchy. Co., Canton, S. Dak.
Church Appliance Mfg. Co. ("Excelsior," Wire "Umpire" Sheet Steel), La Salle, Ill.
Clark W. J. Co., Salem, O.
**Dowman-Dozier Mfg. Co. (Metal), Atlanta, Ga.**
Duplex Hanger Co. ("Cleveland" Galvanized & Corrugated), E 53rd & Lakeside av, Cleveland, O.
**EDWARDS MFG. CO., The, 545-565 Eggleston av, Cincinnati, O.**
*See adv index at end of book*
**Hamblin & Russell Mfg. Co. ("Standard" Perforated Steel), Worcester, Mass.**
Harry O. K. Steel Works, Dallas, Texas
Hastings Foundry & Iron Works, Hastings, Neb.
Holzer R. G. (Est. of) (Galvanized), New Orleans, La.
Johnston J. D., Newport, R. I.
Klauer Mfg. Co., Dubuque, Ia.
**Londelius C. A. & Sons Co., 847 W 63d, Chicago, Ill.**
McDowell Mfg. Co. ("Pittsburgh" Steel), Stanton av, Pittsburgh, Pa.
**Mercer Mfg. Co. ("Myers"), Mercer, Pa.**
Merwin Mfg. Co. ("Herringbone" Galvanized), Erie, Pa.
**MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich.**
*See adv index at end of book*
Minnesota Tank & Silo Co., 920 6th av., Minneapolis, Minn.
New Orleans Roofing & Metal Co. ("Nola"), Cortez & Orleans, New Orleans, La.
Niagara Falls Metal Stamping Works ("Niagara" Veneer Galvanized for Concrete Block or Brick Walls), Niagara Falls, N. Y.
Norman W. F. Sheet Metal Mfg. Co. (Galvanized Sheet Metal), Nevada, Mo.
Page Steel & Wire Co. ("Page"), Adrian, Mich.
Peters Jas. & Son (Steel), 1934 N Front, Phila., Pa.
Prescott J. B. & Son ("Morse" Ties & Bonds), Webster, Mass.
**Reeves Mfg. Co., Dover, O.**
Robertson W. F. Steel & Iron Co. (Galvanized Steel), Elm & Commerce, Cincinnati, O.
Rutledge Co., 618 Michigan av, Detroit, Mich.
Smith F. P. Wire & Iron Works, 2540-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Souther E. E. Iron Co. (Galvanized), Klenlin & Hamburger, St. Louis, Mo.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Sykes Metal Lath & Roofing Co., Niles, O.
**Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.**
Wicks M. O. Mfg. Co., Glen Cove, N. Y.
Willis Mfg. Co., Galesburg, Ill.

## 15570— Ties (Wall for Concrete Forms)

Clark W. J. Co., Salem, O.
Decker Mfg. Co., Keokuk, Ia.

## 15570a—Ties & Tyers (Bag)

Atlantic Jute Mills ("Atlantic"), Norfolk, Va.
Bates Valve Bab Co., 7310 So Chicago av, Chicago, Ill.
Charlotte Waste Co., Charlotte, N. C.
Curry J. P. Mfg. Co. ("Curry"), 280 Madison av, New York
Friedlander Julius & Co., Columbus, Ga.

## 15571— Tighteners (Chain)

**Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.**
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P R Ry, Phila., Pa. *See adv index at end of book*

## 15571a—Tile (Acid Proof for Chemical Works)

Catlin R. H. Co., Wilmington, Del.
General Ceramics Co., 50 Church, New York
Hood B. Mifflin, Atlanta, Ga.
Knight Maurice A., Akron, O.
Thermal Syndicate, Ltd., 50 E 41st, New York
Wiederholdt Constr. Co., Old Bank of Commerce bldg, St. Louis, Mo.

## 15572—Tile (Art & Decorative)

See also Tile, Encaustic Floor
Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 40th, New York
Associated Tile Mfrs., Masanic bldg, Beaver Falls, Pa.
Beaver Falls Art Tile Co., Beaver Falls, Pa.
Brunt Tile & Porcelain Co., Columbus, O.
California Brick Co., Niles, Cal.
**Cambridge Tile Mfg. Co., Covington, Ky.**
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Columbus Sewer Pipe Co., Columbus, Ga.
Corry Art Stone Co., Corry, Pa.
**De Smet Quartz Tile Co., 135 W Washington, Chicago, Ill.**
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Fiske & Co. ("Tapestry"), 25 Arch, Boston, Mass.
Grueby Faience & Tile Co., Perth Amboy, N. J.
**JACKSON EDWIN A. & BRO. (INC.)** (Dealers in All Kinds), 50 Beekman, New York *See adv index at end of book*
**Jackson Wm. H. Company (Dealers in All Kinds of Art & Decorative Tiles), 2 W 47th, New York**
Lage B. H., 484 Greenwich, New York
**Macomb Sewer Pipe Works, Macomb, Ill.**
Mosaic Tile Co. (Ceramic, Enameled & Glazed), Zanesville, O.
Martin Brick Co., Empire bldg., Pittsburgh, Pa.
Matawan Tile Co., Matawan, N. J.
Mueller Mosaic Co., Trenton, N. J.
National Tile Co., Anderson, Ind.

TILE (ART & DECORATIVE)—continued

**Ogden Sewer Pipe & Clay Co., Ogden, Utah**
**Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.**
**Owens J. B. Floor & Wall Tile Co., Zanesville, O.**
Pardee C. Works, Perth Amboy, N. J.
Richardson Eri H., 742 Market, San Francisco, Cal.
Robertson Art Tile Co., Morrisville, Pa.
Rookwood Pottery Co., Rookwood Pt. Mt. Ad, Cincinnati, O.
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.
Trent Tile Co., Trenton, N. J.
**U. S. Encaustic Tile Wks., Indianapolis, Ind.**
**UPSON CO** ("Upson-Fibre Tile"), Lockport, N. Y. *See adv index at end of book*
**Yingling Martin Brick Co., Pittsburgh, Pa.**

## 15573— Tile (Bake Oven)

**Albrecht Francis J., 1146 Penn av, Pittsburgh, Pa.**
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Fiske & Co., 25 Arch, Boston, Mass.
Laclede-Christy Clay Products Co., Manchester & Sulphur avs. St. Louis, Mo.
Livermore Fire Brick Wks., Niles, Cal.
Maurer Henry & Son, 420 E 23d, New York
**Presbrey Stove Lining Co., Taunton, Mass.**
**St. Louis Vitrified & Fire Brick Co., Wainwright bldg, St. Louis, Mo.**

## 15573a— Tile (Boiler)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Livermore Fire Brick Wks., Niles, Cal.

## 15574— Tile (Book)

**United States Gypsum Co. ("Pyrobar"), 205 W Monroe, Chicago, Ill.**

## Tiles (Building)

See Specific Heading

## 15575—Tile (Cement Floor)

Corry Art Stone Co., Corry, Pa.
**De Smet Quartz Tile Co., 133 W Washington, Chicago, Ill.**
National Mosaic Tile Co., Mobile, Ala.
**SPECIAL SERVICE FLOORING CORP.),** 2039 Grand Central Terminal, New York *See adv index at end of book*
U. S. Gypsum Co. ("Pyrobar"), 205 W Monroe, Chicago, Ill.

## 15576—Tile (Ceramic) Mosaic Floor

Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 40th, New York
Art Mosaic & Tile Co. Toledo, O.
Associated Tile Mfrs. Mosanic bldg, Beaver Falls, Pa.
Atlantic Tile Mfg. Co., Matawan, N. J.
Brooklyn Vitrified Tile Wks., 75 4th, Brooklyn, N. Y.
Brunt Tile & Porcelain Co., Columbus, O.
Cambridge Tile Mfg. Co., Covington, Ky.
**Cassini Mosaic & Tile Co., 1027 B'way, Cincinnati, O.**
Grueby Faience & Tile Co., Perth Amboy, N. J.
Illinois Mosaic Tile Co., 3601 S Ashland av, Chicago, Ill.
Kenilworth Tile Co., Newell, W. Va.
Lage B. H., 484 Greenwich, New York. Factory: Menlopark, N. J.
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co., Zanesville, O.
Mueller Mosaic Co., Trenton, N. J.
National Mosaic Co., 338 Pennsylvania av, Washington, D. C.
National Mosaic Tile Co. ("Adamantile"), Mobile, Ala.
National Mosaic Tile Co., 2101 S Kedzie av, Chicago, Ill.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, Ohio
Pardee C. Works, Perth Amboy, N. J.
**Perth Amboy Tile Wks., Perth Amboy, N. J.**
Robertson Art Tile Co., Morrisville, Pa.
Roman Mosaic & Tile Co., Inc., 435 Green, Phila., Pa.
**Traitel Marble Co., Webster av & E R, Long Island City, N. Y.**
**Trent Tile Co. (Vitrified & Glazed), Trenton, N. J.**
**U. S. Encaustic Tile Wks., Indianapolis, Ind.**
**Wheeling Tile Co., Wheeling, W. Va.**

## 15577-8— Tile (Cork)

**Dreadnought Flooring Co. ("Dreadnought" Interlocking), 154 W 18th, New York**
Kennedy David E. Inc. ("Nonpariel"), 63 W 14th, New York
Marbleoid Co. ("Marbleoid"), 47 W 34th, New York
United Cork Cos. ("Crescent"), 50 Church, New York

## 15579— Tile (Drain)

See also Firms in Brick, Common, with the word Tile following their name
Ada Clay Co., Ada, O.
Akron Vitrified Clay Mfg. Co., Akron, O.
American Clay Products Co., 175 5th av, New York
American Fire Brick Co., Spokane, Wash.
American Sewer Pipe Co., Akron, O.
Arbuckle & Son, Rays Crossing, Ind.
**Argillo Works, Carbon Cliff, Ill.**
Armstrong Mfg. Co., Hicksville, Ohio
Athens Brick & Tile Co., Athens, Texas
Ayer, McCarel & Reagon Clay Co., Brazil, Ind.
Bannon F. Pipe Co. (Farm), Louisville, Ky.
Bell C., Craigville, Ind.
Biglow E. Co., New London, O.
**Blackmer & Post Pipe Co. (Salt Glazed Vitrified), Boatmen's Bank bldg, St. Louis, Mo.**
Boone Brick, Tile & Paving Co., Boone, Ia.
Bradshaw & Co., Fort Dodge, Ia.
Brandt Clay Products Co., Binghamton, N. Y. Works: Brandt, Pa.
Butte Sewer Pipe & Tile Co., Butte, Mont.
California Brick Co., Niles, Cal.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Chattanooga Sewer Pipe & Fire Brick Co., Chattanooga, Tenn.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
**Clay Product Co., 175 W Jackson blvd, Chicago, Ill.**
Columbus Sewer Pipe Co., Columbus, Ga.
Cooper Jno., 111 Clay, Brooklyn, N. Y.
Daubenmire C. E., Union City, Ind.
Dawson Brick & Tile Co., Springfield, Ill.
Dee Wm. E. Co., 30 N La Salle, Chicago, Ill. Works: Mecca, Ind.
Delaware Clay Mfg. Co., Delaware, O.
Delta Cement Tile Co., Greenville, Miss.
Denman W. M., West Unity, O.
Denny-Renton Clay & Coal Co., Seattle, Wash.
Dickey W. S. Clay Mfg. Co., N. Y. Life bldg, Kansas City, Mo.
Dickson Bros., Whiteland, Ind.
Diefethaler Co., Mullbury, O.
Duffy J. P. Co., 207 E 138th, New York
Eastern Clay Goods Co., 141 Milk, Boston, Mass.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
**Everal F. H. & Co., Westerville, O.**
Far West Clay Co., Tacoma, Wash.
First Av Brick & Tile Co., Evansville, Ind.
Franklin Brick & Tile Co., 8 E Long, Columbus, O.
Fraser Brick Co., Dallas, Tex.
Gerhard F. J., 110 Belmont av, Newark, N. J.
Gladding, McBean & Co., Crocker bldg, San Francisco, Cal.
Greer-Beatty Clay Co., Magnolia, O.
Grinnell Clay Products Co., Grinnell, Ia.
Hillsboro Brick & Tile Co., Hillsboro, Ill.
Hobbs Drain Tile Co., Hobbs, Ind.
Humbolt Gravel & Tile Co. (Concrete), Humbolt, Iowa
Indiana Drain Tile Co. (Made from Shale), Brooklyn, Ind.
Iowa Pipe & Tile Co., Des Moines, Ia.
Jackson John H. Tile Co., Albany, N. Y.
Kankakee Tile & Brick Co., Kankakee, Ill.
Lancaster Brick & Tile Co. Builders' Exch., Buffalo, N. Y.
**Lee M. J. Drain Tile Co. (4 to 30 inches), Colfax, Ind.**
**Lehigh Sewer Pipe & Tile Co. (Salt Glazed Vitrified Only), Fort Dodge, Ia.**
Lindley Thomas F., Kempton, Ind.
Longmont Brick & Tile Co. ("Lo-Tex"), Longmont, Colo.
Lyth Tile Co., 202 Pearl, Buffalo, N. Y.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Manchester Shale Brick Co., Harrisburg, Pa.
Manteno Brick & Tile Co., Manteno, Ill.
**Mason City Brick & Tile Co., Mason City, Iowa**
Mason City Clay Works, Mason City, Ia.
Mason City Sewer Pipe Co., Mason City, Ia.
Mason H. R., Monroeville, O.
**Merrick C. H. (Farm), Syracuse, N. Y.**
Morey Clay Products Co. (Brick & Tile), Ottumwa, Ia.
Morral Clay Co., Morral, O.
National Clay Works, Mason City, Iowa
National Drain Tile Co., Terre Haute, Ind.
National Fire Proofing Co., Fulton bldg, Pittsburgh, Pa.
**Northwestern Clay Mfg. Co. (Vitrified),** Aledo, Ill.
Oconee Brick & Tile Co., Milledgeville, Ga.
**Ogden Sewer Pipe & Clay Co., Ogden, Utah**
Orestes Drain Tile Co., Orestes, Ind.
Platt Pressed & Fire Brick Co. (Agricultural), Van Meter, Ia.
Plymouth Clay Products Co. (Vitrified), Fort Dodge, Ia.
Pomona Terra Cotta Co., Pomona, N. C.
Portland Drain Tile Co., Portland, Ind.
Prame F. J., Shiloh, Ohio
Red Wing Sewer Pipe Co., Red Wing, Minn
Richeson, Nelson & Moore, Greenville, O.
Roanoke Drain Tile Co., Roanoke, Ind.
Robinson Clay Product Co., Akron, O.
**Rochester Brick & Tile Mfg. Co., Rochester, N. Y.**
Rockport Drain & Tile Co., Rockport, Ind.
San Antonio Sewer Pipe Works, San Antonio, Texas
Shaffer G. W., Spencerville, O.
Sieg John A., Marshallton, Ia.
**Sioux City Brick & Tile Co., Sioux City, Ia.**
**Somerville Thos. Co., 312 13th. N W, Washington, D. C.**
**Southern Brick & Tile Co., Louisville, Ky.**
**Southern Sewer Pipe Co. (Farm), Birmingham, Ala.**
Standard Sewer Pipe Works, Rome, Ga.
**Stevens' H. Sons Co., Macon, Ga.**
Stoneware Pipe Co., East Alton, Ill.
Stookey D. W., Cedar Rapids, Ia.
**Streator Clay Mfg. Co., Streator, Ill.**
Streator Drain Tile Co., Streator, Ill.
**Summitville Drain Tile Co., Summitville, Ind.**
**Sweetsers Drain Tile Co., Sweetsers, Ind.**
Texarkana Pipe Works, Texarkana, Ark.
Twin City Fuel Co., Neenah, Wis.
**Union Sewer Pipe Co., McKeesport, Pa.**
**Vigo-Amer. Clay Co., Terre Haute, Ind.**
**Vigo Tile & Brick Co., Vigo, O.**
Washington Brick, Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.
**Waynesfield Drain Tile Co., Waynesfield, O.**
Whitacre-Greer Fireproofing Co., Waynesburg, O.
**Williams N. A. Co., 133 W Wash., Chicago, Ill.**
Winslow & Co., Portland, Me.
**Zuber Drain Tile Co., Columbia City, Ind.**

## 15580— Tile (Enameled)

**Alhambra Tile Co., Newport, Ky.**
**American Encaustic Tiling Co., 16 E 40th, New York**
**Associated Tile Mfrs., Mosanic bldg, Beaver Falls, Pa.**
**Beaver Falls Art Tile Co., Beaver Falls, Pa.**
**Cambridge Tile Mfg. Co., Covington, Ky.**
Grueby Faience & Tile Co., Perth Amboy, N. J.
Livermore Fire Brick Works (Floor), Niles, Cal.
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co., Zanesville, O.
Mosaic Tile Co., Zanesville, O.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
**Pardee C. Works, Perth Amboy, N. J.**

Robertson Art Tile Co., Morrisville, Pa.
Tiffany Enamel Brick Co., Momence, Ill.
Trent Tile Co., Trenton, N. J.
U. S. Encaustic Tile Works, Indianapolis, Ind.

### 15581—Tile (Enameled Metal)

New York Metal Ceiling Co. ("Enametile"), 537 W 24th, New York
Northrop Coburn & Dodge Co. ("No-Co-Do"), 120 Liberty, New York
Phoenix Metal Tile Co., 193 Pearl, Brooklyn, N. Y.
Stengel Bros. Co. ("Metile" & "Exceltile"), Thompson & Chrtrs., Pittsburgh, Pa.

### 15582—Tile (Encaustic Floor)

Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 40th, New York
Associated Tile Mfrs., Mosanic bldg, Beaver Falls, Pa.
Cambridge Tile Mfg. Co., Covington, Ky.
Grueby Faience & Tile Co., Perth Amboy, N. J.
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co., Zanesville, Ohio
Mueller Mosaic Co., Trenton, N. J.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pardee C. Works, Perth Amboy, N. J.
Robertson Art Tile Co., Morrisville, Pa.
U. S. Encaustic Tile Works, Indianapolis, Ind.

### 15583— Tile (Fibre)

**UPSON CO.** ("Upson-Fibre Tile"), Lockport, N. Y. *See adv index at end of book*

### 15583a— Tile (Fire Clay)

Hoffman Chas. V. Co., Inc., 95 Liberty, New York
Crescent Refractories Co., Curwensville, Pa. *See adv index at end of book*
Denver Fire Clay Co., Denver, Colo.

### 15584—Tile (Fire Proofing or Partition)

California Brick Co., Niles, Cal.
Cameron Clay Products Co., Emporium, Pa.
Camp Conduit Co., 306 Marshall bldg, Cleveland, O.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Fraser Brick Co., Dallas, Tex.
Indiana Drain Tile Co. (3 to 12 inches, Made from Shale), Brooklyn, Ind.
Metropolitan Paving Brick Co., Canton, Ohio
Oconee Brick & Tile Co., Milledgeville, Ga.

### 15585—Tile (Floor or Porch)

Associated Tile Mfrs., Mosanic bldg, Beaver Falls, Pa.
California Brick Co., Niles, Cal.
Camp Conduit Co., 306 Marshall bldg, Cleveland, O.
Corry Brick & Tile Co. (Vitrified Red), Corry, Pa.
De Smet Quartz Tile Co., 133 W Washington, Chicago, Ill.
Goldsmith Metal Lath Co. (Metal Fireproof Floor), 53 Central av, Cincinnati, O.
Keystone Solether Corp. (Floor), 320 B'way, New York
Martin Brick Co., Empire bldg, Pittsburgh, Pa.
Oconee Brick & Tile Co., Milledgeville, Ga.
Pa. Structural Slate Co., Drake bldg, Easton, Pa.
Ridgeway Brick Co., Ridgeway, Pa.
Rockwood Pottery Co., Cincinnati, O.
Schellenberger C. F. Bldrs' Exchange, Phila., Pa.
Washington Brick Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.
Yingling Martin Brick Co. ("Promenade"), Pittsburgh, Pa.

### 15585a— Tile (Furnace)

Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Livermore Fire Brick Works, Niles, Cal.
Washington Brick Lime & Sewer Pipe Co. ("Waco"), Spokane, Wash.

### 15586— Tile (Glass)

**Opalite Tile Co. ("Cosmos," "Opalite"), Monaca, Pa.**

### 15587— Tile (Gypsum)

**Keystone Fireproofing Co., Chester, Pa.**
United States Gypsum Co. ("Pyrobar"), 205 W Monroe, Chicago, Ill.

### 15587a—Tile (Hollow) Building

California Brick Co., Niles, Cal.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Clark N. & Sons, 116 Natoma, San Francisco, Cal.
Coral Ridge Clay Products Co., Louisville, Ky.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.
Garden City Sand Co., Chamber of Commerce bldg, Chicago, Ill.
Longmont Brick & Tile Co. ("Lo-Tex"), Longmont, Colo.
Macomb Sewer Pipe Works, Macomb, Ill.
Salmen Brick & Lumber Co., Ltd., Whitney bldg, New Orleans, La.

### 15588—*Tile (Illuminating Wholesale Mfrs.)

**RODEFER GLASS CO., THE, Bellaire, O.**
*See adv index at end of book*

### 15589— Tile Importers

Mart & Lawton (Milton Holling & Co.'s English Glazed Tile), 1123 B'way, New York
Revis Wm. H., Inc. ("Welsh"), 140 W 42nd, New York

### 15590-1—Tile ("Moravian")

**Moravian Pottery & Tile Works (Glazed & Unglazed in Various Colors), Doylestown, Pa.**

### Tile (Mosaic)

**See Tile, Ceramic Mosaic Floor; also Mosaics, Floor**

### 15592—Tile (Non-absorbent Floor)

Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 40th, New York
Cambridge Tile Mfg. Co., Covington, Ky.
Grueby Faience & Tile Co., Perth Amboy, N. J.
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co., Zanesville, O.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Pardee C. Works, Perth Amboy, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Trent Tile Co., Trenton, N. J.

### 15593— Tile (Quarry)

Associated Tile Mfrs., Mosanic bldg, Beaver Falls, Pa.
California Brick Co., Niles, Cal.
Revis Wm. H., Inc. ("Welsh" Imp.), 140 W 42nd, New York
United States Roofing Tile Co., Parkersburg, W. Va.

### 15594—Tile (Recuperator Flue)

Harbison-Walker Refractories Co., Farmers' Bank bldg, Pittsburgh, Pa.

### Tile (Roofing)

**See Roofing Tile, Various Kinds**

### 15595— Tile (Rubber)

**See also Mats & Matting, Rubber**

Combination Rubber Mfg. Co., Bloomfield, N. J.
Goodrich B. F. Co. (Interlocking), Akron, Ohio
Goodyear Tire & Rubber Co. (Interlocking), Akron, O.
Hewitt Rubber Co. (Inlaid), Buffalo, N. Y.
International Rubber Co., 120 B'way, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co. (Interlocking), 91 Chambers, New York
Pennsylvania Rubber Co. ("Pennsylvania" Interlocking), Jeannette, Pa.
Salisbury W. H. & Co. ("Velvet"), 308 N Madison, Chicago, Ill.
United & Globe Ruber & Mfg. Co., Trenton, N. J.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Western Rubber Co. (Interlocking), Goshen, Ind.

### 15595a— Tile (Sewer)

Columbus Sewer Pipe Co., Columbus, Ga.
Dickey W S Clay Mfg. Co., Kansas City, Mo.
Macomb Sewer Pipe Works, Macomb, Ill.
Macon Sewer Pipe Works, Macon, Ga.
Ogden Sewer Pipe & Clay Co., Ogden, Utah
San Antonio Sewer Pipe Works, San Antonio, Texas
Southern Sewer Pipe Works, Birmingham, Ala.
Standard Sewer Pipe Works, Rome, Ga.
Texarkana Pipe Works, Texarkana, Ark.

### 15596— Tile (Sidewalks)

See also Brick Manufacturers, Vitrified Paving
Nelsonville Brick Co., Nelsonville, O.
Soisson Jos. Fire Brick Co., Connellsville, Pa.

### Tile (Slate)

**See Slate Floor Tile**

### 15596a—Tile (Terra Cotta Partition)

California Brick Co., Niles, Cal.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Dickey W. S. Clay Mfg. Co., Kansas City, Mo.

### 15597— Tile (Terra Vitrea)

Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 40th, New York
Beaver Falls Art Tile Co., Beaver Falls, Pa.
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Matawan Tile Co., Matawan, N. J.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pardee C. Works, Perth Amboy, N. J.
Robertson Art Tile Co., Morrisville, Pa.
Trent Tile Co., Trenton, N. J.
U. S. Encaustic Tile Works, Indianapolis, Ind.

### 15598—Tile (Vitreous Floor)

Akron Roofing Tile Co. (Quarries), Brook st, Akron, O.
Alexander & Reid Co., 355 W 36th, New York
Alhambra Tile Co., Newport, Ky.
American Encaustic Tiling Co., 16 E 40th, New York
Associated Tile Mfrs., Mosanic bldg, Beaver Falls, Pa.
Brooklyn Vitrified Tile Works, 75 4th, Brooklyn, N. Y.
California Brick Co., Niles, Cal.
Cambridge Tile Mfg. Co., Covington, Ky.
Fisk & Co., 25 Arch, Boston, Mass.
Fleming & Co. (Red, Buff & Black Quarries), 253 B'way, New York
Lage B. H., 484 Greenwich, New York
Matawan Tile Co., Matawan, N. J.
Mosaic Tile Co. (Also Semi-Vitreous or Encaustic), Zanesville, O.
National Tile Co., Anderson, Ind.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Owens J. B. Floor & Wall Tile Co., Zanesville, O.
Pardee C. Works, Perth Amboy, N. J.
Perth Amboy Tile Works, Perth Amboy, N. J.

TILE (VITREOUS FLOOR)—continued
Robertson Art Tile Co., Morrisville, Pa.
Rossman Robert Co., 154 W 49th, New York
Trent Tile Co. (White & Colored), Trenton, N. J.
U. S. Encaustic Tile Wks., Indianapolis, Ind.
U. S. Roofing Tile Co., Parkersburg, W. Va.
Wheeling Tile Co., Wheeling, W. Va.

## Tile (Wall)

See Tile, Art & Decorative

## Tiling (Acid Proof)

See Brick, Acid Proof

## Tiling (Interlocking Rubber)

See Firms in Tile, Rubber, with the word "Interlocking" following their Name

## 15599-600— Tillers (Boat)

Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## Tills (Alarm)

See Drawers, Cash or Money

## Time Detectors

See Clocks, Watchman's

## 15601-2— Time Recorders

See also Recorders, Time

American Watchman's Clock Co., 150 Nassau, New York
Cleveland Magneto Watchman's Clock Co., 150 Nassau, New York
**HOWARD E. CLOCK CO.,** Broomfield & Washington, Boston, Mass.
*See adv index at end of book*
Pettes & Randall Co., 150 Nassau, New York
**SIMPLEX TIME RECORDER CO.,** Gardner, Mass.; 135 5th av, New York; 30 N Dearborn, Chicago, Ill, & 261 Franklin, Boston, Mass.

## 15603— Timers (Egg)

Cassady Fairbank Mfg. Co., 6126 S Lasalle, Chicago, Ill.
Silver & Co., 304 Hewes, B'klyn, N. Y.

## 15604— Timers (Spark)

Akar Ignition Co. ("Akar") 149 W Berkley, Phila., Pa.
American Coil Co., Foxboro, Mass.
Byrne, Kingston & Co., Kokomo, Ind.
Connecticut Telephone & Electric Co., Meriden, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Dow Mfg. Co., Braintree, Mass.
Fulmer C. F. ("Invincible"), Plainfield, N. J.
Heinze Electric Co., Lowell, Mass.
Herz & Co., 245 W 55th, New York
Hill-Smith Metal Goods Co. ("H. S." for Automobiles), 82 Brookline av, Boston, Mass.
Kokomo Electric Co., Kokomo, Ind.
McCulloch A. P. Machine Co. ("McCulloch" for Ford Cars), 216 High, Boston, Mass.
Milwaukee Auto Eng. & Supply Co., 841 29th, Milwaukee, Wis.
Mosler A. R. & Co. ("Eccentric"), Mount Vernon, N. Y.
New York Coil Co., 338 Pearl, New York
Pittsfield Spark Coil Co., Pittsfield, Mass.
Post & Lester Co. ("E. I. C."), Hartford, Conn.
Powell Muffler & Timer Co. ("Twentieth Century"), Utica, N. Y.
Schug Elec. Mfg. Co., 252 E Larned, Detroit, Mich.
Spitdorf Electrical Co., 98 Warren, Newark, N. J.

## 15605— Tin (Bar & Pig)

American Smelting & Refining Co., 120 B'way, New York
Balfour, Guthrie & Co. (Imp.), 350 California, San Francisco, Cal.
Chadwick-Boston Lead Co., Boston, Mass.
Coates, Bennett & Reidenbach, Rochester, N. Y.
Eagle Smelting & Refining Works, 233 B'way, New York
Furukava & Co., Ltd. (Imp.), 120 Broadway, New York
Gilbert A. & Sons Brass Foundry Co., 4019 Forrest Park bldg, St. Louis, Mo.
Hayman Mich'l & Co., Buffalo, N. Y.
Hendricks Bros., 49 Cliff, New York
Iaborga Rafael (Miners & Imp.), 233 Broadway, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Jacobson I. M. & Sons & Co. (Bar), 70 Catherine, Detroit, Mich.
Lazarus Lewis & Sons (Imp.), 61 Broadway, New York
Lewis John T. & Bros. Co. (Bar), Lafayette bldg, Phila., Pa.
Lissberger Marks & Son, 281 Borden av, Long Island City, N. Y.
McInnes Charles E. & Co. (Pig), Mariner & Merchants bldg, Phila., Pa.
Metal Products Co., Inc., 100 S. Jefferson, Chicago, Ill. *See adv index at end of book*
Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*
**MORE-JONES BRASS & METAL Co.** (Bars), B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Nassau Smelting & Refining Works, 609 W 29th, New York
National Copper Refining Co. (Pig), 7003 Quincy, Cleveland, O.
Norden A. & Co. (Imp.), Cotton Exch. bldg, New York
O'Connor J. J. & Co. (Dealer), 1st Natl. Bank bldg, Pittsburgh, Pa.
Peerless Alloy Co., Denver, Colo.
Pope Trading Co. (Dealers & Importers), 90 West, New York
Pressprich & Son Co. (Imp.), 96 Wall, New York
Selby Smelting Works, 201 1st, San Francisco, Cal.
Seligman Arthur (Pig Imp.), 165 B'way, New York
Sofransoy H. Co., Allentown, Pa.
Taylor N. & G Co. (Imp. Pig Tin), 300 Chestnut, Phila., Pa.
Trench C. S. & Co., 81 Fulton, New York
Trotter, Nathan & Co. (Imp. Pig Tin), 36 N Front, Phila., Pa.
Union Smelting & Refining Co., St. Charles, Newark, N. J.
United Lead Co. (Bar Tin), 111 B'way, New York
United Smelting & Aluminum Co. (Jobbers), 183-189 Commerce, New Haven, Conn.
United States Reduction Co., E Chicago, Ind.
Vernon Metal & Produce Co., 25 Beaver, New York
Vulcan Detinning Co. (Pig Tin), Sewaren, N. J.
Wensley Metal Products Co., Denver, Colo.
Winter Son & Co. (Pig Imp.), 64 Wall, New York
Woodfall Bros., 1105 Fairmount av, Phila., Pa.

## 15605a— Tin (Bi-Chloride)

Grasselli Chemical Co., Guardian bldg., Cleveland, Ohio
Metal & Thermit Corp, 120 B'way, New York *See adv index at end of book*
Republic Chemical Co., Inc., Neville Island, Pittsburgh, Pa.

## 15606— Tin (Block)

Chadwick-Boston Lead Co. (Sheet), Boston, Mass.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
United Lead Co. (Sheet), 111 B'way, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

## 15607— *Tin (Bright)

**MERCHANT & EVANS CO.,** Washington av & 21st, Phila., Pa.
***See adv index at end of book***

## 15607a— Tin (Chloride)

Drakenfeld B. F. & Co. (Imp.), 50 Murray, New York
Fuller Ralph L. & Co., Inc., New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 15608— Tin Crystals

General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg., Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Innis, Speiden & Co. Inc., 46 Cliff, New York *See adv index at end of book*
Klipstein A. & Co. (Imp.), 644 Greenwich, New York
Merrimac Chemical Co., 148 State, Boston, Mass.
Republic Chemical Co., Inc., Neville Island, Pittsburgh, Pa.
Warren Products Co., 265 Canal, New York
*See adv index at end of book*
Wiarda John C. & Co. (Jobbers), 273 Greene, Brooklyn, N. Y.

## 15608a— Tin (Feathered)

Wiarda John C. & Co., 273 Greene, B'klyn, New York

## 15608b— *Tin (Flashing)

**MERCHANTS & EVANS CO.,** Washington av & 21st, Phila., Pa.
*See adv index at end of book*

## 15609— Tin Foil

Budde & Westermann, 7th av & 29th, New York
Conley Foil Co. (Wrapping Machine Foil), 541 W 25th, New York
Crooke Jno. J. Co., 68 William, New York
Hutchinson, W. H. & Son, 2101 Walnut, Chicago, Ill.
Johnston Tin Foil & Metal Co., 6020 S. B'way, St. Louis, Mo.
Lehmaier, Schwartz & Co., 207 E 22nd, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Wittemann Bros., 41 Ferris, Brooklyn, N.Y.

## 15609a— *Tin (Gutter)

**MERCHANT & EVANS CO.,** Washington av & 21st st, Phila., Pa.
*See adv index at end of book*

## 15609a1—*Tin Mill Equipment

Christman Foundry Co. (Castings), Morgantown, W. Va.
*See adv index at end of book*
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

TIN MILL EQUIPMENT
Sheet and Tin Plate Mills, Shears, Rope Drives, Pickling Machines
MESTA MACHINE COMPANY
Pittsburgh, Pa., U. S. A.

## 15609b— Tin Oxide

See also Oxide of Tin

Drakenfeld B. F. & Co. (Imp.), 50 Murray, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Republic Chemical Co., Inc., Neville Island, Pittsburgh, Pa.

## 15609c—Tin Oxide Substitute

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Leavitt, C. W. Co. ("Enamelox"), 30 Church, New York
*See adv index at end of book*
**WARREN PRODUCTS CO.,** 265 Canal, New York *See adv index at end of book*

## 15610— Tin Plate Bars

See also Black Plates for Tinning

Andrews Steel Co. (Acid & Basic Open Hearth Steel), Newport, Ky.
Cambria Steel Co., Widener bldg, Phila., Pa.
Carnegie Steel Co. (Bessemer Steel), Carnegie bldg, Pittsburgh, Pa.

Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg., Pittsburgh, Pa.
Republic Iron & Steel Co., Youngstown, O.
*See Branch Offices Alphabetical Section.*

## Tin Plate Dipperies

See Tin Plate Manufacturers

## 15611—*Tin Plate Importers

**LEAVITT C. W. & CO.** (Imp. Pig), 34 Church, New York
*See adv index at end of book*
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*

## 15612— Tin Plate Mfrs.

See also Black Plates for Tinning; Also Tin Plate Bars

American Sheet & Tin Plate Co. (Tin & Terne Plate), Frick bldg, Pittsburgh, Pa.
American Steel Co., Park bldg, Pittsburgh, Pa.
American Tin & Terne Plate Co., 24th & Vine, Philadelphia, Pa.
Berger Mfg. Co., Canton, O.
Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Buhl Stamping Co. (Tin Plate for Their Own Consumption Only), Scotten, Detroit, Mich.
Canonsburg Steel & Iron Works (Tin & Terne Plate), Canonsburg, Pa.
Carnahan Tin Plate & Sheet Co., Canton, Ohio
Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.
Follansbee Bros. Co. (Bright Charcoal, Tin & Terne Plate, "Banfield Best Bright," "Gilbert" & "Rosedale"), 3rd & Liberty, Pittsburgh, Pa.
Fuller Steel & Iron Co., Park bldg, Pittsburgh, Pa. *See adv index at end of book*
Griffiths Charcoal Iron Mills (Tin Plate Only), Washington, Pa.
Heim L. J. & Co. ("Hamilton"), Park bldg, Pittsburgh, Pa.
Hudson Sheet & Tin Plate Co., Hickox bldg, Cleveland, O.
Iron Trade Products Co. (Terne Plate), Soule Edw. L. Co. (Iron & Steel Prod-
Jones & Laughlin Steel Co. (Bright Coke Plates; also Black Plate), Ross, Pittsburgh, Pa.
Lalance & Grosjean Mfg. Co. (Tin Plate for Their Own Consumption Only), 299 B'way, New York
Larkin J. K. & Co. (& Terne), 34 Reade, New York. *See adv index at end of book*
McKeesport Tin Plate Co. (Tin Plate Only), McKeesport, Pa.
Mansfield Sheet & Tin Plate Co., Mansfield, O.
**MERCHANT & EVANS CO.** (Bright & Roofing), Washington av & 21st, Phila., Pa. *See adv index at end of book*
Meurer Geo C. Co. (Tin & Terne Plate, Buy Black Plates), 22 Clay, Brooklyn, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
Ohio Corrugating Co., Warren, Ohio
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Piper J. A. Roofing Co., Greenville, S. C.
Reeves Mfg. Co., Dover, O.
Republic Metalware Co., Buffalo, N. Y.
Saul Eugene C. (Pacific coast representative of Central Tube Co.), Monadnock bldg, San Francisco, Cal.
Scott, Sugden & Lamont, Monadnock bldg, San Francisco, Cal.
Standard Tin Plate Co. (Tin & Terne Plate), Cannonsburg, Pa.
Taylor N. & G. Co. (Tin & Terne Plate & Roofing), Mariner & Merchant bldg, Phila., Pa.
Trumbull Steel Co., Warren, O.
Washington Tin Plate Co. (Tin & Terne Plate), Washington, Pa.
Weirton Steel Co. (Tin & Terne Plate, Cokes & Charcoal), Weirton, W. Va.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.) (Tin & Terne Plate, Coke & Charcoal Bright Plates), Wheeling, W. Va.
Wheeling Steel & Iron Co. (Tin Plate Only), Wheeling, W. Va.

## 15613—Tin Plate, Metals, Etc.

See also Roofing & Siding, Iron & Steel; also Tin Plate Manufacturers

### ALABAMA.

MOBILE—Mobile Steel Co.
NEW DECATUR—Decatur Cornice & Roofing Co.

### ARKANSAS.

LITTLE ROCK—Fones Bros. Hdw. Co.

### CALIFORNIA.

LOS ANGELES—Harper & Reynolds Co., 152 N Main
Holbrook, Merrill & Stetson, 750 S Central av
SAN DIEGO—Western Metal Supply Co.
SAN FRANCISCO—Baker, Hamilton & Pacific Co., 7th & Townsend
Balfour, Guthrie & Co., 350 California
Dalziel-Moller Co., 556 Mission
Dunham, Carrigan & Hayden Co. (also Iron & Steel), Kansas & Division
Garrett W. T. & Co., 299 Fremont
Holbrook, Merrill & Stetson, 6th & Bluxome
Marshall, Newell Supply Co. (Steel Bars, etc.), Spear & Mission
Pacific Metal Works, 153 1st
Scovel Iron Store Co., 754 Howard
Simon Bros. (Iron & Steel), 981 Mission
Soulé Edw. & Co. (Iron & Steel Products of All Kinds), Rialto bldg.
*See adv index at end of book*
Speddy T. H. & Co., 85 2d

### COLORADO.

DENVER—Crosta C. A. Bros.
Rowntree Jno. T.
Wensley Metal Products Co.

### CONNECTICUT.

BRIDGEPORT—Chapman & Bangs Co.
Hunter & Havens
HARTFORD—Blodgett & Clapp Co., 1417 Main
Ensworth L. L. & Son, 344 Front
NEW HAVEN—Mersick C. S. & Co.

### DISTRICT OF COLUMBIA.

WASHINGTON—Adler M. J., C. P. Ash Co., 3148 M, N W
Fries, Beall & Sharp Co., 734 10th, N W
Kendall J. B. Co., 485 Mo. av

### FLORIDA.

JACKSONVILLE—Hebb H. W. Supply Co.
Hubbard S. B. Co.

### GEORGIA.

ATLANTA—Conklin Tin Plate & Metal Co.
SAVANNAH—Weed J. D. & Co.

### ILLINOIS.

AURORA—Messenger & Parks Mfg. Co.
CHICAGO—Allerton Clarke Co., 74 W Lake
Johnston Jno. & Co., 311 W Lake
McVoy Sheet & Tin Plate Co., 1042 W 36th
Merchant & Evans Co., 347 Sheldon
*See adv index at end of book*
Scully Steel & Iron Co., 2364 S Ashland av
Trench Dan'l G. & Co., 222 N Wabash av
OTTAWA—Reflor David
PEORIA—Hunter & Strehlow Co.
Johnson Chas. Hardware Co.
Meyer F. & Bro. Co., Peoria, Ill.
Walker Isaac Hdw. Co.
QUINCY—Tenk Hdw. Co. (Bar Steel)
SPRINGFIELD—Illinois Art Metal Co.

### INDIANA.

ANDERSON—Gedge Bros. Iron Roofing Co.
EVANSVILLE—Thiele I. A. Co.
FORT WAYNE—Seavey Hrw. Co.
INDIANAPOLIS—Indianapolis Stove Co., Standard Metal Co., 135 S Pennsylvania
Tanner & Co., 409 S Penn
Van Camp Hdw. & Iron Co., 401 W Maryland
RICHMOND—Jones Hardware Co.
TERRE HAUTE—Smith's C. C. Sons Co.

### IOWA.

BURLINGTON—Donahue Robt. Iron & Hardware Co.
DES MOINES—Luthe Hdw. Co.
DUBUQUE—Klauer Mfg. Co.
Tredway A. & Sons Hdw. Co.
WATERLOO—Cutler Hardware Co.

### KANSAS.

ATCHISON—Blish, Mize & Silliman Hdw. Co.
Harwi A. J. Hardware Co.
LEAVENWORTH—Crancer Hardware Co.

### KENTUCKY.

LOUISVILLE—Belknap Hardware & Mfg. Co.
Bridgeford Co.
Conner Chas. H. & Co., 17th & Arbegust
Stratton & Terstegge Co., 15th & Main
MANCHESTER—Pike & Heald Co.

### LOUISIANA.

NEW ORLEANS—New Orleans Roofing & Metal Co., Cortez & Orleans

### MAINE.

EASTPORT—Milliken B. F. & Son (Canners' Supplies)
LEWISTON—Stetson J. H. Co.

### MARYLAND.

BALTIMORE—Ammidon & Co., 31 S Frederick
Central Metal & Supply Co. (Brass & Copper), 611 E Lombard
De Ved & Sons Sash Weight Co., 807 So Howard
Kahl-Holt Co., 111 S Charles
Lyon Conklin & Co., 19 Balderston
Merchant & Evans Co. (Inc.), 232 St. Paul
Nelson C. H. Metal Co., 104 So Charles
Parker E. L. & Nimmo Co., 203 S Charles

### MASSACHUSETTS.

BOSTON—Austin & Doten, 102 North
Avery & Saul, 299 Dorchester av
Brown-Wales, 489 C
Fitz, Dana & Co., 110 North
Gallagher D. F. & Co., 37 Commercial wf
Harvey Arthur C. Co., Harvey Steel rd, Alliston dist
*See adv index at end of book*
Herrick Co., 49 Broad
Livermore Homer F., Inc. (Metals), 85 Pearl
Lloyd Geo. H., 131 State
Richards & Company, 192 Beverly
Waite, Ranlet & Co., 80 Broad
SPRINGFIELD—Lewis Chas. C. Co.
New England Plumbing Supply Co.
WORCESTER—McGuinness J. F.

### MICHIGAN.

BATTLE CREEK—Bock-Walker Co.
Brockett L. B. & Son
DETROIT—Buhl Sons Co., 103 Woodbridge W
Burton W. J. Co., Junction & Federal
Standart Bros. Hdwe. Corp., 8 Jefferson av
Walker Mfg. & Supply Co., Shelby & Woodbridge
GRAND RAPIDS—Foster, Stevens & Co.
Hopson W. C. Co.

## Tin Plate, Metals, Etc.

MICHIGAN—continued
KALAMAZOO—Edwards & Chamberlain Hdw. Co.
SAGINAW—Valley Cornice & Slate Co., (Ltd.)

### MINNESOTA.

DULUTH—Duluth Corrugating & Roofing Co.
MINNEAPOLIS—Janney, Semple, Hill & Co., 1st av, S & 2d
ST. PAUL—Decker, Adam Hardware Co. (Est. of), 347 Jackson
Farwell, Ozmun, Kirk & Co.
Hackett-Gates-Hurty Co., Fourth & Rosabel
WINONA—Cone R. D. Co.

### MISSOURI.

KANSAS CITY—Gille Mfg. Co., 1423 W 9th
Merchant & Evans Co., 2008 Baltimore av. *See adv index at end of book*
Richards & Conover Hardware Co.
Townley Metal & Hardware Co., 2d S W. cor Walnut
ST. JOSEPH—Wyeth Hdw. & Mfg. Co.
ST. LOUIS—Hammond Sheet Metal Mfg. Co., 2d & Cass av
Simmons Hdw. Co., 9th & Spruce
Souther E. E Iron Co., Kienlin & Hamburger
Stockhoff Supply Co., 107 N Main
Witte Hardware Co., 706 N 3d

### NEBRASKA.

OMAHA—Lee-Coit Andreesen Hdw. Co.

### NEW HAMPSHIRE.

MANCHESTER—Pike & Heald Co.

### NEW JERSEY.

BAYONNE—Bayonne Supply Co.
ELIZABETH—Elizabeth Hdw. Co.
JERSEY CITY—Letcher R. J. & Son, 191 Morgan
Norton John S. Co., 72 Hudson
NEWARK—Coe Jas. A. & Co., 106 Mulberry
Egbert W. V. & Co., 37 Mechanic
Faitoute Iron & Steel Co., 180 Frelinghuysen av
Macknet & Doremus, 798 Broad

### NEW YORK.

ALBANY—Hoy & Co.
AUBURN—Smith & Pearson
BINGHAMTON—Babcock, Hinds & Underwood
BUFFALO—Beals, McCarthy & Rogers, 44 Terrace
Buffalo Wholesale Hdw. Co., 317 Washington
Hofeller Theo. & Co., Marine Bk bldg
Newman W. H. H. & Co., 70 Main
Republic Metalware Co., The
Walbridge & Co., 392 Main
Weed & Co., 95 Swan
ELMIRA—Booth Irving D.

### NEW YORK CITY.

#### Borough of Brooklyn.

BROOKLYN—Meurer Geo C. Co., 22 Clay

#### Boroughs of Manhattan and Bronx.

NEW YORK—**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th
*See adv index at end of book*
Bischoff C. & Co., 451 Washington
Brooklyn Galvanizing & Mfg. Co., 120 Liberty
Bruce & Cook, 190 Water
Conklin T. E. & Co. (Brass & Copper), 61 Duane
De Milt H. R. Co., 238 Water
Dickerson, Van Dusen & Co., 32 Cliff
Feld Geo. A. Co., 162 E 129th
Fitz-Dana & Brown, 441 Pearl
Glokner & Blue Co. (Tinsmiths), 2474 3d av
Hirsch L. C. & Co., 220 W 19th
Hoffman & Scofield (Sheet Metals), 100 Beekman
Larkin J. K. & Co., 34 Reade
*See adv index at end of book*
LEAVITT C. W. & CO., 34 Church
*See adv index at end of book*
Merchant & Evans Co., 242 Water
*See adv index at end of book*
Metal Export Co. of America (Brass, Copper & Zinc), 59 Pearl
Rownson, Drew & Clydesdale, Inc., 80 Wall
Sanborn John & Son (Bars, Pigs & Ingots), 134 Beekman
Sel Benj. & Co., 59 Orchard
Simons & Mills, Inc., 25 Leonard
SMITH & McCRORKEN, INC., 411 E 18th
VEITHARDT STEEL & METAL CORP., 15 Park row

**(End of New York City)**

SCHENECTADY—Case, Levi & Co.
SYRACUSE—Burhans & Black (Inc.)
TROY—Warren J. M. & Co.
UTICA—Millar Chas. & Son Co.
WATERTOWN—Hunting Co.

### OHIO.

AKRON—Kasch Roofing Co.
CINCINNATI—Cincinnati Stamping Co., 24 W McMicken av
EDWARDS MFG. CO., 545-565 Eggleston av *See adv index at end of book*
Huenefeld Co.
Lawson F. H. Co.
McDonald Jas. & Sons Co.
Porter Iron Roofing & Corrugating Co., 522 Culvert
Robertson W. F. Steel & Iron Co. (Sheet Iron & Steel, Tin & Terne Plates, etc), Elm & Commerce
Scott Roofing & Mfg. Co., 408 Culvert
CLEVELAND—Bingham W. Co., 1272 W 9th
Luetkemeyer Co., 725 Superior av, N W
Osborn J. M. & L. A. Co.
Worthington Geo. Co., 802-832 St. Clair av N W
COLUMBUS—Mithoff H. & Co., 284 S High
Schoedinger F. O., 142 N 3d
DAYTON—Ach, Abraham & Son
Hartman-Franz Co.
FOREST—Dickelman Mfg. Co.
IRONTON—Ironton Roofing & Corrugating Co.
LISBON—Armstrong P. M. & Co.
MANSFIELD—Blymer Bros. Co.
TIFFIN—Tiffin Art Metal Co., 20 Broad
TOLEDO—Bostwick-Braun Co.
Stollberg Hardware & Paint Co.
YOUNGSTOWN—Wilkoff Co.

### OREGON.

PORTLAND—Pacific Metal Works

### PENNSYLVANIA.

ALLENTOWN—Young M. S. & Co.
LANCASTER—Raub Supply Co.
Steinman Hardware Co.
PHILADELPHIA—Baily R. M. & Co., Commercial Trust bldg
Berger Bros. Co. (Also Tinners' Tools & Supplies), 229 Arch
Berger L. D. Co., 59 N 2d
Carter, Donlevy & Co., 1012 Cherry
Gummey, McFarland & Co., 147 N 10th
Hall & Carpenter, 518 Race
Jolley J. H. & Co., 42 N 5th
Knoedler Fred J., 68 N 2d
Lukens Thos. F., Metal Co., 238 N 4th
McCalla Harold Co., 446 Fairmount av
McInnes Charles E. & Co., Mar. & Mer. bldg
Marshall Bros. & Co., Front & Girard av
Merchant & Evans Co., Washington av & 21st *See adv index at end of book*
Porter C. B. Co., 128 N 2d, Phila., Pa.
Potts W. F. Son & Co., 1224 Cherry
Riter Bros. & Co., 1022 Race
Stelwagon Mfg. Co., 19th & Washington
PITTSBURGH—Bindley Hardware & Mfg. Co.
Demmler Bros. Co., 100 Ross
Follansbee Bros. Co., 3rd & Liberty
McClure Johnston & Co., 1143 Liberty av
O'Conner J. J. & Co. (Dealers), 1st Nat Bank bldg
READING—Bard Hardware Co.
Stichter Hardware Co.
WILKES-BARRE—Bertels W. B. & Son Co., Inc.
Eastern Penna. Supply Co.
WILLIAMSPORT—Kline & Co.
YORK—Small P. A. & S. Co.
York Corrugating Co.

### RHODE ISLAND.

PROVIDENCE—Congdon & Carpenter Co., 155 Canal

### SOUTH CAROLINA.

CHARLESTON—Shepherd Supply Co.

### TENNESSEE.

MEMPHIS—Pidgeon-Thomas Iron Co.

### TEXAS.

AUSTIN—Tips Walter Co.
FORT WORTH—Nash Hardware Co.
GALVESTON—Parr Wm. & Co.
HOUSTON—Heitmann F. W. Co.
Peden Iron & Steel Co.
LAREDO—Deutz A. & Bro.

### UTAH.

SALT LAKE CITY — Strevel Paterson Hardware Co.

### VERMONT.

BARRE—Phelps N. D. Co.

### VIRGINIA.

LYNCHBURG—Barker-Jennings Hdw. Co.
Handy N. B. Co.
NORFOLK—Howard John T. Co.
RICHMOND—Baldwin & Brown, 1557 E Main
Gordon Metal Co., 14th & Dock
Lindsay J. L. Inc., 1321 E Main
Southern Railway Supply Co., 1323 E Main

### WEST VIRGINIA.

WHEELING — Whitaker-Glessner Co. (Wheeling Corrugating Dept.)

### WISCONSIN.

MILWAUKEE—Frankfurth Wm. Hdw. Co., 119 W Water
Milwaukee Corrugating Co.
Pritzlaff Jno. Hardware Co., 51 W Water
SHEBOYGAN—Geele F. Hardware Co.

## 15614— Tin Salts

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Thomsen Chemical Co., Munsey bldg, Baltimore, Md.

## 15614a— *Tin (Taggers)

Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*

## Tinners' Furnaces

See Furnaces, Gasoline Blast

## 15614b—Tinners' Supplies, Etc.

See also Index of Contents for Specific Article Wanted. If Not Found, Write Us.

Glokner & Blue Co., 2474 3d av, New York

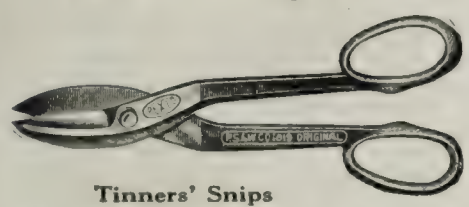
When writing to firms whose names appear in this book please mention HENDRICKS' COMMERCIAL REGISTER.

### 15614b1— *Tinners' Snips

Peck, Stow & Wilcox Co., Southington, Conn. *See adv index at end of book*


**PEXTO**

**"1819 Original"**



Tinners' Snips

**THE PECK STOW & WILCOX COMPANY**

SOUTHINGTON, CONN.


### 15614c—Tinners' Tools & Machinery

Dreis & Kump Mfg. Co., 2901 S Halsted, Chicago, Ill. *See adv index at end of book*
Mobile Steel Co., Mobile, Ala.
**Schoedinger F. O., 142 N 3d, Columbus, O.**

### 15615— Tinners' Trimmings

Central Stamping Co., 174 Fulton, New York
Geuder, Paeschke & Frey Co., 1314-1700 St. Paul av, Milwaukee, Wis.
**Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.**
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
**Vogel Wm. & Bros., 37 S 9th, Brooklyn, N. Y.**
**Wire Novelty Mfg. Co., West Haven, Conn.**

### 15616—Tinning Sheets (Copper)

**Taunton-New Bedford Copper Co., Taunton, Mass.**

### 15617— Tinning Sheets (Yellow Metal)

**Taunton-New Bedford Copper Co., Taunton, Mass.**

### 15618—Tinning & Japanning

**American Foundry & Mfg. Co. (Japanning), Frederick, Md.**
American Tube & Stamping Co., Bridgeport, Conn.
Bird Japanning Co., Boston, Mass.
Bonney Vise & Tool Wks., Inc. (Japanning), Allentown, Pa.
*See adv index at end of book*
Buffalo Galvanizing & Tinning Works, (Tinning Only), 49 Jackson, Buffalo, N. Y.
Buhl Stamping Co., Scotten & M. C. R. R., Detroit, Mich.
**Cassady, Fairbank Mfg. Co. (Tinning Only), 6126 S Lasalle, Chicago, Ill.**
Cattie Bros. Co. (Tinning), Gaul & Adams, Phila., Pa.
**Cheney S. & Son (Japanning), Manlius, N. Y.**
**Chicago Hardware Foundry Co. (Japanning), N Chicago, Ill.**
**Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.**
**Colebrookdale Iron Co., Pottstown, Pa.**
**Detroit Valve & Fittings & Detroit Brass Works (Japanning Only), Wyandotte, Mich.**
Devlin Thos. Mfg. Co., 3d & Lehigh av, Phila., Pa.
**Doering C. & Son (Tinplating Only), 1375 W Lake, Chicago, Ill.**
**Dover Stamping & Mfg. Co., Cambridge, Mass.**
**Elbel Co., Canton, O.**
**Frazer & Jones Co., Syracuse, N. Y.**
Geuder, Paeschke & Frey Co. (Japanning, All Colors), 1314-1700 St. Paul av, Milwaukee, Wis.
**Globe Machine & Stamping Co. (Japanning Only,) 1250 W 76th, Cleveland, Ohio**
Grabler Mfg. Co., Cleveland, O.
**Hassall John (Inc.) (Tinning), Clay & Oakland, Brooklyn, N. Y.**
*See adv index at end of book*
Highton Wm. & Sons Co. (Japanning Only), Nashua, N. H.
**Hopson & Chapin Mfg. Co. (Japanning Only), New London, Conn.**
Igoe Bros. (Tinning Only), Canal & Lafayette, New York
**Illinois Malleable Iron Co. (Tinning Only), 1801 Diversey blvd, Chicago, Ill.**
**Lefferts Galvanizing Works (Tinning Only), 508 E 20th, New York**
Malleable Iron Fittings Co., Branford, Conn.
Morgan Construction Co. (Tinning), Worcester, Mass.
**North Buffalo Hardware Foundry Co. (Japanning Only), 743 Hertel av, Buffalo, N. Y.**
Ohio Foundry Co. (Japanning Only), E 71st & Stanton, Cleveland, O.
Parkesburg Stamping & Mfg. Co. (Tin Plating on Iron), Parkesburg, Pa.
Phila. Hardware & Malleable Iron Works (Inc.), 9th & Jeff'n, Phila., Pa.
Racine Malleable & Wrought Iron Co., Racine, Wis.
**Rattan Mfg. Co., New Haven, Conn.**
**Rockford Metal Specialty Co., Rockford, Ill.**
Rudman & Scofield, 277 Pearl, New York
**Sanitary Tinning Mfg. Co., 3781 E 93d, Cleveland, O.**
**Schatz Mfg. Co. (Japanning Only), Poughkeepsie, N. Y.**
**Sessions J. H. & Son, Bristol, Conn.**
Stirrup Mfg. Co., Inc. (Japanning), Market Newark, N. J.
**Two Rivers Plating Works, Two Rivers, Wis.**
**Vail Galvanizing Plant (Tinning), 211 Commercial, Boston, Mass.**
**Vogel Wm. & Bros. (Japanning Only), 37 S 9th, Brooklyn, N. Y.**
**White Mountain Freezer Co. (Tinning & Galvanizing), Nashua, N. H.**
**Wilcox, Crittenden & Co., Inc. (Tinning of Castings of All Kinds), Middletown, Conn.** *See adv index at end of book*
**Wrightsville Hardware Co., Wrightsville, Pa.**

### 15619— Tintometers

**Eimer & Amend, 205 3d av, New York**

### 15620— Tinware Mfrs.

See also Enameled Ware Mfrs.; also Aluminum Hollow Ware; also Stamping, Various Kinds

Aldrich Mfg. Co. ("Aldrich," "Buffalo"), Buffalo, N. Y.
**AMERICAN CAN CO., 120 B'way, New York** *See adv index at end of book*
**Ammidon & Co. ("Amico"), 31 S Frederick, Baltimore, Md.**
Baltimore Stamping & Enameling Co., 909 E Pratt, Baltimore, Md.
Bingham J. F. Mfg. Co., Lawrence, Mass.
Central Stamping Co. ("Puritan"), 174 Fulton, New York
**Chicago Tin Co., 2005 S State, Chicago, Ill.**
**Cincinnati Stamping Co., 24 W McMicken av, Cincinnati, O.**
Cooper Mfg. Co. ("Roco Brand," "Clyde Brand"), Cicero, Ill.
**Elliott Mfg. Co., Warren, Ill.**
**Empire Tin Ware Co., 29 So 5th, Bklyn, N. Y.**
**Federal Enameling & Stamping Co., Thompson & Chartiers Pittsburgh, Pa.**
Gem Stamped Steel Co., Chelsea, Mass.
Geuder, Paeschke & Frey Co. (Complete Line), 1314-1700 St. Paul av, Milwaukee, Wis.
**Gille Mfg. Co., 1423 W 9th, Kansas City, Mo.**
**Haslet, Flanagan & Co. (Bright), 116 N 2d, Phila., Pa.**
Home Light of America ("Holico, Inc."), 1955 Park av, New York
Kieckhefer Box Co., 133 W Water, Milwaukee, Wis.
**Kraft A. C. (Druggists & Painters), 323 W Lake, Chicago, Ill.**
Kreamer A. Inc. (Heavy), 307 Kent av, Brooklyn, N. Y.
**Lalance & Grosjean Mfg. Co., 299 B'way, New York**
Lawrence-Bostwick Mfg. Co. (Ltd.), Phelps, N. Y.
**Lisk Mfg. Co. (Ltd.) ("Lisk" Anti Rust), Canandaigua, N. Y.**
McAleer E. J. & Co., 1422 N 8th, Phila., Pa.
**McLAUGHLIN CO., INC**, Brockport, N. Y.
National Enameling & Stamping Co., 411 5th av, New York
National Metalware Co., Inc., 95 S 5th, Brooklyn, N. Y.
**Nichthauser & Levy, 252 Java, Brooklyn, N. Y.**
**Ohio Enamel Co., 1016 B'way, Cleveland, O.**
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
**Peoria Can Co., Peoria, Ill.**
Porter C. B. Co., 128 N 2d, Phila., Pa.
**Republic Metalware Co., The, Buffalo, N. Y.**
**Richardson Mfg. Co. ("Perfection"), Bath, N. Y.**
Rochester Can Co. ("Iron Horse" Dairy Pails, etc), Rochester, N. Y.
*See adv index at end of book*
**Rudman & Scofield (Ship), 277 Pearl, New York**
**St. Louis Metalware Co., 2507 N B'way, St. Louis, Mo.**
**Schaffer Tinware Mfg. Co., 76 Sedgwick, Brooklyn, N. Y.**
**Schlesinger Leo & Co., 66 Wooster, New York**
**Schlueter Mfg. Co. ("Imperial"), Bway & John av, St. Louis, Mo.**
**Standard Stamping Co., B'way & Chambers, St. Louis, Mo.**
**Stratton & Terstegge Co., 15th & Main, Louisville, Ky.**
**Sullivan-Geiger Co. (Round Miners'), Indianapolis, Ind.**
**Thretaway Bros., Parsons, Pa.**
**Townley Metal & Hardware Co., 2d S W cor Walnut, Kansas City, Mo.**
**Troy Stamping Works, Troy, N. Y.**
Western Tinware Co., St. Louis, Mo.
**Western Tin & Japan Mfg. Co. (Japanned & Stamped), 1013 Walnut, Cincinnati, Ohio**

### Tipples (Coal)

See Tipples, Mine

### 15621— Tipples (Mine)

**Allis-Chalmers Mfg. Co. (Steel), Milwaukee, Wis.**
**American Bridge Co. (Coal), 30 Church, New York**
**BARTLETT C. O. & SNOW CO., (Coal), Fall st, Cleveland, O.**
***See adv index at end of book***
**Decatur Bridge Co., Decatur, Ill.**
Fairbanks, Morse & Co. (Designers & Builders of Coal Tipples & Pockets), 900 S Wabash av, Chicago, Ill.
Fairmont Mining Machinery Co. (Steel & Wood), Fairmont, W. Va.
**Farris Bridge Co. (Steel, Coal), Charleston, W. Va.**
**Helmick Fdry. & Mach. Co., Fairmont, W. Va.**
**Heyl & Patterson (Coal, Steel), 51 Water, Pittsburgh, Pa.**
**Jeffrey Mfg. Co., 961 N 4th, Columbus, O.**
*See adv index at end of book*
**Kanawha Mfg. Co., Charleston, W. Va.**
**LINK-BELT CO.** (Steel or Wood for Coal, etc), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
McClintic-Marshall Company (Steel), Oliver bldg, Pittsburgh, Pa.
Marion Mach. Tool Fdry & Supply, Marion, Ind.
**Mineral Ridge Mfg. Co., Mineral Ridge, O.**
Minneapolis Steel & Machinery Co. (Steel), 2854 Minnehaha av, Minneapolis, Minn.
**Morrow Mfg. Co. (Steel), Wellston, O.**
Nashville Bridge Co., Nashville, Tenn.
Niles Mine & Mill Supply Co. (Steel, Coal), Cleveland, O.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Ottumwa Box Car Loader Co. (Steel Tipples & Shaker Screens), Ottumwa, Ia.
Penn. Bridge Co. (Steel, Coal), Beaver Falls, Pa.
**Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.**
Pittsburgh Coal Washer Co. (Coal), Fulton bldg, Pittsburgh, Pa.
**PITTSBURGH-DES MOINES STEEL CO., 4th & Ross, Pittsburgh, Pa.**
*See adv index at end of book*

TIPPLES (MINE)—continued
**Roberts & Schaefer Co. (Engineers & Contractors), 332 S Michigan av, Chicago, Ill.**
**Sanford-Day Iron Works, Knoxville, Tenn.**
**SCAIFE WM. B. & SONS CO.** (Steel), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
South Side Foundry & Machine Works, Charleston, W. Va.
Stolz Jos. & Son, Inc., 841 E 136th, New York
**Union Engineering Co., Cuyahoga & W 4th, Cleveland, O.**
United Iron Works, Inc., Kansas City, Mo.
**Virginia Bridge & Iron Co. (Steel, Coal), Roanoke, Va.**
**WEBSTER MFG. CO.,** 4500-60 Courtland, Chicago, Ill.
*See adv index at end of book*
**Wellman-Seaver-Morgan Co. (Steel), Cleveland, O.**
*See adv index at end of book*
**What Cheer Tool Co. ("Walker" Revolving), What Cheer, Ia.**
**Wisconsin Bridge & Iron Co. (Steel), North Milwaukee, Wis.**

## 15621a—Tips (Conical & Straight)

**NORDEN S. & COMPANY** (For Shoe & Corset Laces), 150 South Water, Providenve, R. I.

## 15622—Tips (Chair & Crutch, Rubber)

**Bailey C. J. & Co. ("Wont Slip"), 22 Boylston, Boston, Mass.**
**Combination Rubber Mfg. Co., Bloomfield, N. J.**
**Continental Rubber Works, Erie, Pa.**
**Elastic Tip Co. ("Stetson"), 370 Atlantic av, Boston, Mass.**
**Faultless Rubber Co. (Crutch Only), Ashland, O.**
**Foster Rubber Co., 105 Federal, Boston, Mass.**
**Goodrich B. F. Co., Akron, O.**
**Laurel Co. (Rubber Gas Tubing Tips), Garfield, N. J.**
National India Rubber Co., Bristol, R. I.
New York Belting & Packing Co., 91 Chambers, New York
Quaker City Rubber Co., 629 Market, Phila., Pa.
Schacht Rubber Mfg. Co., Huntington, Ind.
U. S. Rubber Co., 1790 Broadway, New York

## 15623—Tips (Chair & Crutch, Wool)

Heron Mfg. Co. ("Heron"), Utica, N. Y.
Schatz Mfg. Co. (Felt), Poughkeepsie, N. Y.

## 15623a—Tips (Cutting & Welding)

Air Reduction Sales Co., 120 B'way, New York
Carbo-Hydrogen Co. of America, Benednon Trees bldg, Pittsburgh, Pa.

## 15624—Tips (Electric Cord)

**Belden Mfg. Co., 2316 S Western av, Chicago, Ill.**
**Central Machine & Supplies Co., 148 Chambers, New York**
**Harward Electric Co., 525 W Van Buren, Chicago, Ill.**
McEvoy, Chas. H., Lowell, Mass.
National Acme Co., 7500 Stanton av, S E, Cleveland, O.
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*
Runzel-Lenz Electric Mfg. Co., 1751 N Western av, Chicago, Ill.

## 15624a— *Tips (Flagstick)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 15625— Tips (Gas Burner)

American Lava Corp. (Lava), Chattanooga, Tenn. *See adv index at end of book*
Colonial Mfg. Co. (Lava), Chattanooga, Tenn.
Crescent Burner Mfg. Co., 116 E 27th, New York
General Ceramics Co. (Incandescent), 50 Church, New York
Kirchberger M. & Co. (Importers, Lava), 116 E 27th, New York
Tennessee Burner Mfg. Co., Chattanooga, Tenn.
Thurnauer G. M. Co. (Importers, Lava), 6 E 20th, New York

## 15626—Tips (Gas Tubing, Rubber)

Boston Woven Hose & Rubber Co., Cambridge, Mass.
Empire Tire & Rubber Corp., Trenton, N. J.
Laurel Co., Garfield, N. J.
Schacht Rubber Mfg. Co., Huntington, Ind.

## 15627— Tips (Hame)

Frazer & Jones Co. ("Globe," "Eastern"), Syracuse, N. Y.

## 15628— Tips (Mine Car)

Grant Iron Works ("Wren's"), Mahony City, Pa.
Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa. *See adv index at end of book*
Sanford-Day Iron Works, Knoxville, Tenn.

## 15629— Tips (Neck Yoke)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

## 15630—Tips or Caps (Railway)

**Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.**

## 15631— Tips (Screw)

Elastic Tip Co. (Slotted Rubber Head), 370 Atlantic av, Boston, Mass.
National India Rubber Co., Bristol, R. I.
Tyer Rubber Co. (Rubber), Andover, Mass.

## 15632— Tips (Shaft)

**Covert Saddlery Works (Pole), Interlaken, N. Y.**
Cowles C. & Co., New Haven, Conn.
Crandal, Stone, Division The Brewer-Titchener Corp., Binghamton, N. Y.
Searls Mfg. Co. ("Passaic," etc), 29 Mulberry, Newark, N. J.
**Woodruff W. W. & Sons Co., Mt. Carmel, Conn.**

## 15633— Tips (Whiffletree)

Searls Mfg. Co., 29 Mulberry, Newark, N. J.

## 15634—Tire (Channel & Cushion)

Carnegie Steel Co. (Open Hearth Steel), **Carnegie bldg, Pittsburgh, Pa.**

## 15635— Tire Coolers

Gogel Mfg. Co., Toledo, O.
Kane & Roach, Syracuse, N. Y.
**Palm Louis F. Co., Defiance, O.**
Wolfe Matt, W. Carrollton, O.

## 15636— Tire Fabrics

American Tire Fabric Co., 120 B'way, New York
Bay State Cotton Corp., 60 Federal, Boston, Mass.
Beaver Mills, Inc. (Cord), 299 B'way, New York
Bibb Mfg. Co., Macon, Ga.
Briggs Mfg. Co., Voluntown, Conn.
Brighton Mills, Passaic, N. J.
Caldwell R. J. Co., Inc., 13 Park row, New York
Goodyear Cotton Mills, Killingly, Conn.
International Cotton Mills, 60 Federal, Boston, Mass.
Jenckes Spinning Co., Pawtucket, R. I.
Manhasset Mfg. Co., Putnam, Conn.
Marlboro Cotton Mills, McColl, S. C.
Meyer Chas. A., 350 B'way, New York
Meyer John H. & Co. Inc., 50 Union Sq, New York
Passaic Cotton Mills, 120 B'way, New York
West Boylston Mfg. Co., Easthampton, Mass.
Worcester Tire Fabric Co., Worcester, Mass.

## 15636a— Tire Fillers

**Esenkay Products Co., Superior & Franklin, Chicago, Ill.**
Peerless Tire Fill Co., 539 Orleans, Chicago, Ill.

## 15637— Tire Fluid

Buffalo Specialty Co. ("Neverleak" & "Holdfast" Liquid Shellac Cement for Bicycles), 375 Ellicott, Buffalo, N. Y.

## 15638—Tire Preserver (Automobile)

Alcemo Mfg. Co. ("Kor-Ker"), 12 Bridge, Newark, N. J.
Rubberset Co. ("Rubberset" & Liquid Rubber Compound), 56 Ferry, Newark, N. J.

## 15638a— *Tire Press Hydraulic

**WELLMAN - SEAVER - MORGAN CO.,** Cleveland, O.
*See adv index at end of book*

## 15639— Tire Removers

**Common Sense Tire Removers Co., Dowagiac, Mich.**

## 15640—*Tire Repair Kits or Equipments

**BIGGS BOILER WORKS CO., Case av & Williams st, Akron, O.**
*See adv index at end of book*

## 15640a—*Tire & Rubber Factory Equipment

**WILLIAMS FOUNDRY & MACHINE CO.** ("Akron-Williams"), Akron, O.
*See adv index at end of book*

AKRON-WILLIAMS
Hydraulic presses, Vulcanizers, Molds, Cores, Tire Building Stands, Tube Wrapping Lathes, Rag Winders, Stripping Tables, Etc. Write for complete catalog.
**THE WILLIAMS FOUNDRY & MACHINE CO.,**
**Akron, Ohio, U. S. A.**

## Tires (Automobile)

**See Tires, Various Kinds**

## 15641—Tires (Baby Carriage)

**Acme Rubber Mfg. Co., Trenton, N. J.**
Anderson Rubber Works, Anderson, Ind.
**Boston Woven Hose & Rubber Co. ("Bull Dog"), Cambridge, Mass.**
**Combination Rubber Mfg. Co., Bloomfield, N. J.**
**Continental Rubber Works, Erie, Pa.**
Eclat Rubber Co. ("Ekla"), Cuyakoga Falls, Ohio
Empire Tire & Rubber Corp., Trenton, N. J.
**Federal Rubber Co. The, Cudahy, Wis.**
Fisk Rubber Co., Chicopee Falls, Mass.
Goodrich B. F. Co., Akron, O.
**Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.**
National India Rubber Co., Bristol, R. I.
Pennsylvania Rubber Co., Jeannette, Pa.
Quabaug Rubber Co., N Brookfield, Mass.

## 15642—Tires (Cushioned, Cellular, Etc.)

Bailey C. J. & Co. ("Bailey Won't Slip"), **22 Boylston, Boston, Mass.**
Cleveland Puncture Proof Tire Co. ("Cleveland"), Columbus, O.
Dayton Rubber Mfg. Co. ("Dayton" Airless), Dayton, O.
Firestone Tire & Rubber Co., Akron, O.
Overman Cushion Tire Co., 250 W 54th, New York
Smith Tire Co., Utica, N. Y.
Swinehart Tire & Rubber Co., Akron, O.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## 15643—Tires for Crushing Machinery

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Standard Steel Works Co. ("Standard" Solid Weldless), Morris bldg, Phila., Pa.

## 15644— Tires (Motor Cycle)

Empire Tire & Rubber Corp., Trenton, N. J.

Firestone Tire & Rubber Co. ("Firestone"), Akron, Ohio
Goodrich B. F. Co. ("Diamond," "Goodrich"), Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
G. & J. Tire Co., Indianapolis, Ind.
Kokomo Rubber Co. ("Dazzler"), Kokomo, Ind.
Mansfield Tire & Rubber Co. ("Mansfield"), Mansfield, O.
Pennsylvania Rubber Co., Jeannette, Pa.
U. S. Tire Co., B'way & 58th, New York

## 15645—Tires (Motor Truck, Solid Rubber)

Firestone Tire & Rubber Co. ("Firestone"), Akron, Ohio
Gibney Tire & Rubber Co., Conshohocken, Pa.
Goodrich B. F. Co., Akron, O.
Kelly Springfield Tire Co., 200 W 57th, New York
Mason Tire & Rubber Co., Kent, Ohio
Pennsylvania Rubber Co., Jeannette, Pa.
Polack Tyre & Rubber Co., 1876 B'way, New York
United States Tire Co., B'way & 58th, New York

## 15646—Tires (Pneumatic, Double Tube)

Anderson Rubber Works, Anderson, Ind.
Bergougnan Rubber Corp., Trenton, N. J.
BeSaw Tire & Rubber Co. ("Quality"), Hartville, O.
Braender Rubber & Tire Co., Rutherford, N. J.
Columb Tyres, Import Co. (Imp.), 1 Madison av, New York
Continental Rubber Works ("Vitalic"), Erie, Pa.
Dreadnought Tire & Rubber Co. ("Dreadnought"), Eager & 5th, Baltimore, Md.
Empire Tire & Rubber Corp., Trenton, N. J.
Federal Rubber Co., The (Automobile Rugged Tread, Traffic Tread, Cord, etc), Cudahy, Wis.
Fellsen Tire Co. ("Fellsen"), 1995 B'way, New York
Firestone Tire & Rubber Co., Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
G. & J. Tire Co. ("G. & J.," "Dunlop"), Indianapolis, Ind.
Globe Rubber Tire Mfg. Co. ("Globe"), Trenton, N. J.
Goodrich B. F. Co. ("Goodrich"), Akron, O.
Goodyear Tire & Rubber Co. ("No-Rim-Cut"), Akron, O.
Great Eastern Rubber Co. ("Crown" "Premier"), Allentown, Pa.
H. H. H. Tire & Mfg. Co. ("H. H. H."), 263 Halsey, Newark, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Johnstown Rubber Co. ("J. R. C."), Johnstown, Pa.
Kelly Springfield Tire Co., 200 W 57th, New York
Kokomo Rubber Co., Kokomo, Ind.
Koochook Rubbebr Co. ("Koochook"), 1120 Pine, St. Louis, Mo.
League Tire Co. ("Leagues"), South Bend, Ind.
L. & M. Rubber Co. ("Buckskin"), Carrollton, Ohio
Mansfield Tire & Rubber Co. ("Mansfield" & "Ohio"), Mansfield, O.
Mesinger H. & F. Mfg. Co. (Leather), Austin pl & 144th, New York
Michelin Tire Co. (Quick Detachable Clincher, Ordinary Clincher, & Anti Skid Types), Milltown, N. J.
Miller Rubber Co. ("Miller"), Akron, Ohio
Mohawk Rubber Co., Akron, O.
Pennsylvania Rubber Co. ("Pennsylvania," "Vacuum Cup"), Jeannette, Pa.
Pharis Tire & Rubber Co., Newark, O.
Quaker City Rubber Co. ("Quaker"), 629 Market, Phila., Pa.
Standard Tire & Rubber Co. ("Standard"), 104 Portland, Boston, Mass.
Sterling Tire Corp. ("Sterling"), Rutherford, N. J.
Stoddard Rubber Co., 120 Commercial Worcester, Mass.
Trent Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York

## 15647—Tires (Pneumatic, Single Tube)

Anderson Rubber Works, Anderson, Ind.
Braender Rubber & Tire Co., Rutherford, N. J.
Continental Rubber Works ("Vitalic"), Erie, Pa.
Federal Rubber Co. The (Bicycle), Cudahy, Wis.
Fisk Rubber Co., Chicopee Falls, Mass.
Goodrich B. F. Co. ("Goodrich," "Silvertown"), Akron, Ohio
Goodyear Tire & Rubber Co., Akron, O.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Lee Tire & Rubber Co., Conshohocken, Pa.
Michelin Tire Co. (Clincher, Quick Detachable & Anti-Skid Types), Milltown, N. J.
Pennsylvania Rubber Co., Jeannette, Pa.
Trent Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York

## 15647a— Tires (Re-built)

Palmer Rubber Co., Poughkeepsie, N. Y.

## 15647b— Tires (Re-Thread)

Palmer Rubber Co., Poughkeepsie, N. Y.

## 15648— Tires (Rubber)

Acme Rubber Mfg. Co. (Automobile), Trenton, N. J.
Ajax Rubber Co. ("Ajax"), 220 W 57th, New York
American Tire & Rubber Co., Akron, Ohio
Anderson Rubber Works, Anderson, Ind.
Batavia Rubber Co., Batavia, N. Y.
Bergougnan Rubber Corp. ("Bergougnan"), Trenton, N. J.
BeSaw Tire & Rubber Co., Hartville, O.
Bourn Rubber Co., 58 Warren, Providence, R. I.
Brunswick-Balke-Collender Co., 29 W 32nd, New York
Century Plainfield Tire Co. ("Century"), North av, Plainfield, N. J.
Columbia Tire & Rubber Co., Mansfield, Ohio
Consolidated Rubber Tire Co. ("Kelly-Springfield," Solid Vehicle), 200 W 57th, New York
Continental Rubber Works ("Vitalic"), Erie, Pa.
Converse Rubber Shoe Co., Malden, Mass.
Cord Tire Corp., Chester, W. Va.
Curtis Tire & Rubber Co., Muskegon, Mich.
Dayton Rubber Mfg. Co., Dayton, O.
D & M Cord Tire Co., Warren, Ohio
Ehman Tire & Rubber Co., 176 N Michigan av, Chicago, Ill.
Empire Tire & Rubber Corp. (Pneumatic Double Tube), Trenton, N. J.
Erie Tire & Rubber Co., Sandusky, Ohio
Falls Rubber Co. ("Falls Neverslip"), Cuyahoga Falls, O.
Federal Rubber Co. The (Auto, Baby Carriage, Bicycle, Motorcycle, etc.), Cudahy, Wis.
Firestone Tire & Rubber Co. ("Firestone"), Akron, O.
Fisk Rubber Co. ("Fisk," Mechanically eral, Boston, Mass.
Gates Rubber Co. ("Half Sole"), Denver, Colo.
General Tire & Rubber Co. ("General"), Akron, O.
G. & J. Tire Co. ("G. & J."), Indianapolis, Ind.
Gillette Rubber Co. 1834 B'way, New York
Goodrich B. F. Co. (Automobile, Regular Clincher & Quick Detachable, Straight Bead), Akron, O.
Goodyear Rubber Co. ("Revere" Automobile & Bicycle), 539 Mission, San Francisco, Cal. *See adv index at end of book*
Goodyear Tire & Rubber Co. ("Red Seal," Carriage, Automobile, Truck, Motorcycle & Bicycle), Akron, O.
Gordon Tire & Rubber Co., Canton, Ohio
Hamilton Rubber Co., Trenton, N. J.
Hardman Tire & Rubber Co., 207 W 76th, New York
Hendrie W. C. Rubber Co., Torrance, Cal.
Hewitt Rubber Co., Inc., Buffalo, N. Y.
Hood Tire Co. Inc., Watertown, Mass.
Ideal Tire & Rubber Co. ("Greyhound"), Warner rd, Cleveland, O.
India Rubber Co., Mogadore, Akron, O.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
International India Rubber Corp. ("Odell Cord" & "South Bend" Fabric Automobile), South Bend, Ind.
Kelly Springfield Tire Co., 200 W 57th, New York
Knight Tire & Rubber Co., Canton, O.
Kokomo Rubber Co. (Bicycle & Vehicle), Kokomo, Ind.
Lee Tire & Rubber Co. ("Lee" Motor Trucks & Pleasure Cars; also Puncture Proof Pneumatic), Conshohocken, Pa.
McGraw Tire & Rubber Co. ("Imperial"), East Palestine, O.
McLean Tire & Rubber Co., East Liverpool, Ohio
McNaull Tire Co. ("McNaull"), Ohio bldg, Toledo, Ohio
Mansfield Tire & Rubber Co. ("Mansfield" & "Ohio"), Mansfield, O.
Marathon Tire & Rubber Co. ("Marathon"), Cuyahoga Falls, Ohio
Marion Tire & Rubber Co., Marion, O.
Mason Tire & Rubber Co. ("Mason"), Kent, Ohio
Mattson Rubber Co., Lodi, N. J.
Master Tire & Rubber Co., Dayton, Ohio
Michelin Tire Co. ("Michelin" Quick Detachable Clincher, Ordinary Clincher & Anti-Skid Types), Milltown, N. J.
Miller Chas. E. ("Miller's"), Anderson, Ind.
Miller Rubber Co. ("Miller"), Akron, Ohio
Monarch Tire Co. ("Monarch"), Hartville, Ohio
National Rubber Co. ("Speedway Redwall," "National" Silk Lined), Pottstown, Pa.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co. (Truck Wheel), 91 Chambers, New York
Norwalk Tire & Rubber Co. ("Norwalk"), Norwalk, Conn.
O'Neill Tire & Rubber Co., Akron, O.
Owen Tire & Rubber Co., Bedford, O.
Pennsylvania Rubber Co. (Automobile, Bicycle, Vehicle, Baby Carriage, etc), Jeannette, Pa.
Perfection Tire & Rubber Co., Fort Madison, Iowa
Pharis Tire & Rubber Co., Newark, O.
Polack Tyre & Rubber Co. ("Polack" Truck Tyres), 1876 B'way, New York
Portage Rubber Co. ("Portage"), Akron, O.
Porter Rubber Co., Salem, O.
Quaker City Rubber Co. ("Quaker"), 629 Market, Phila., Pa.
Racine Auto Tire Co. ("Racine," Horseshoe), Racine, Wis.
Racine Rubber Co., Racine, Wis.
Remiler Tire Mfg. Co. (Inner Tires), Ashland, O.
Republic Rubber Co. ("Republic" Motor Truck), Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Rotary Tire & Rubber Co. (Automobile), Zanesville, O.
Rubber Products Co. ("Stronghold"), Barberton, Ohio
Savage Tire Co. ("Savage"), San Diego, Cal.
Standard Tire & Rubber Mfg. Co., Willoughby, O.
Star Rubber Co., Akron, O.
Sterling Tire Corp. (Pneumatic, Air Bag Cured Vacuum Bar Tires), E Rutherford, N. J.
Strohecker A. J., Reading, Pa.
Swinehart Tire & Rubber Co., Akron, O.
Ten Broeck Tyre Co. ("Ten Broeck"), 26th & Courtney, Louisville, Ky.
Thermoid Rubber Co. ("Thermoid"), Trenton, N. J.
*See adv index at end of book*
Toledo-Findlay Tire & Rubber Co., Findlay, O.
Trent Rubber Co., Trenton, N. J.
Tyer Rubber Co., Andover, Mass.
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York
United States Tire Co., B'way & 58th, New York
Victor Rubber Co., Springfield, O.
Vulcan Rubber Co., Erie, Pa.
Wilson Tire & Rubber Co. ("Wilson"), Springfield, Ill.
Zee-Zee Tire & Rubber Co. ("Zee-Zee"), 33rd & Walnut, Phila., Pa.

## 15649— Tires (Solid)

Ajax Rubber Co., 220 W 57th, New York
American Tire & Rubber Co., Akron, O.

TIRES (SOLID)—continued

Batavia Rubber Co., Batavia, N. Y.
Braender Rubber & Tire Co., Rutherford, N. J.
Columb Tyres Import Co. ("Prowodnik"), 1 Madison av, New York
Consolidated Rubber Tire Co. ("Kelly-Springfield"), 200 W 57th, New York
Curtis Tire & Rubber Co. (Truck), Muskegon, Mich.
Federal Rubber Co., Cudahy, Wis.
Firestone Tire & Rubber Co., Akron, O.
Fisk Rubber Co., Chicopee Falls, Mass.
Gibney Tire & Rubber Co., 215 N Broad, Phila., Pa.
Goodrich B. F. Co. ("Wireless" Solid Rubber Vehicle), Akron, O.
Goodyear Tire & Rubber Co., Akron, O.
India Rubber Tire Co., 1512 S Michigan av, Chicago, Ill.
Kelly-Springfield Tire Co. (Sectional), B'way & 57th, New York
Longdin Brugger Co., Fond du Lac, Wis.
McGraw Tire & Rubber Co., East Palestine, O.
Mason Tire & Rubber Co., Kent, Ohio
Meeker Mfg. Co., Dayton, O.
Morgan & Wright, ft Bellevue, Detroit, Mich.
Pennsylvania Rubber Co. of N. Y. (Metal-Base Truck), 1889 B'way, New York
Polack Tyre & Rubber Co. ("Polack" Truck), 1876 B'way, New York
Portage Rubber Co. ("Portage" Rubber Block Truck), Akron, O.
Republic Rubber Co., Youngstown, O.
Swinehart Tire & Rubber Co. ("Swinehart"), Akron, O.
U. S. Rubber Co., 1790 Broadway, New York
Victor Rubber Co. ("Victor"), Springfield, Ohio
Vulcan Rubber Co. ("Vulco"), Erie, Pa.
Wilson Tire & Rubber Co. ("Wilson"), Springfield, Ill.
Xenia Rubber Mfg. Co., Xenia, Ohio

## 15650— Tires (Steel)

Chester Steel Castings Co., Chester, Pa.
Edgewater Steel Co. (Car & Locomotive Wheel), Edgewater Station & A. V. R. R., Pittsburgh, Pa.
Ft. Wayne Iron Steel Rolling Mills (Baby Carriages & Wagon), West Taylor, Fort Wayne, Ind.
*See adv index at end of book*

**Crescent Tires and Sharp Ovals**
FOR CHILDREN'S VEHICLES
All Sizes from ⅜" up
**Fort Wayne Iron Steel Rolling Mills**
West Taylor St., Fort Wayne, Ind.

Illinois Steel Co., 208 S La Salle, Chicago, Ill.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Jones & Laughlin Steel Co. (Round, Square, Channel, Carriage & Wagon), Ross, Pittsburgh, Pa.
Midvale Steel & Ordnance Co. (Car & Locomotive Wheel), Widener bldg, Phila., Pa
Prosser Thos. & Son ("The Krupp"), 15 Gold, New York
Railway Steel Spring Co., 30 Church, New York
Republic Iron & Steel Co. (Half Oval, etc), Youngstown, O.
*See Branch Offices Alphabetical Section.*
Standard Steel Works Co. (Car & Locomotive), Morris bldg, Phila., Pa.

## 15651— Titanium

Drakenfeld B. F. & Co. (Oxide) (Dealers), 50 Murray, New York
Foote Mineral Co. (Imp. Ores), 107 No 19th, Phila., Pa.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
METAL & THERMIT CORP., 120 B'way, New York *See adv index at end of book*
Titanium Alloy Mfg. Co., Niagara Falls, N. Y.

## 15651a— Titanium (Oxalate)

Foote Mineral Co., Inc., 107 N 19th, Phila., Pa.

## 15651b—Titanium (Oxide Concentrates)

American Rutile Co., 622 F. N. W., Washington, D. C.

## 15652—Titanium Potassium Oxalate

Hummel & Robinson, 26 Cortland, New York
Katzenbach & Bullock Co., 100 William, New York

## 15653— Toasters

American Electrical Heater Co. (Electric), Burroughs & Woodward, Detroit, Mich.
Andrews Wire & Iron Works ("Androck" Bread), Rockford, Ill.
Crane Wm. M. Co. ("Crane's" Collapsible), 16 W 32d, New York
Detroit Foundry Co., E Grand blvd & Riopille, Detroit, Mich.
Diamond Electric Co. ("Delco," Electric), Binghamton, N. Y.
Edison Electric Appliance Co., Inc. (Hotpoint Div.), ("El Toasto" Electric), 5600 W Taylor, Chicago, Ill.
Electric Specialties Co., Benton Harbor, Mich.
Fox Electrical Corpn., 119 W 42nd, New York
Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.
Hoskins Mfg. Co. (Electric), 453 Lawton, Detroit, Mich.
Kinne Mfg. Co. ("Perfection"), 1401 Central av, Minneapolis, Minn.
Knowlson A. T. Co. ("Apex" Bread, for Gas Stoves), 99 Congress, Detroit, Mich.
Lakeside Metal & Wool Stock Co. (New & Old Metals), Lakeside av & E 35th, Cleveland, O.
*See adv index at end of book*
Landers, Frary & Clark ("Thermax" Electric), New Britain, Conn.
Lindstrom, Smith Co. ("White Cross" Electric), 3212 W Lake, Chicago, Ill.
Manhattan Electrical Supply Co. (Electric), 17 Park pl, New York
*See adv index at end of book*
New Standard Hardware Works (Asbestos), Mt. Joy Pa.
Phelps Mfg. Co. ("Cozy" Electric), 49 W Larned, Detroit, Mich.
Redtop Electric Co., 8 W 19th, New York
Reliable Stove Co. (Gas Stove, etc., "Reliable"), 1787 E 40th, Cleveland, O.
Rochester Stamping Co. (Electric), Rochester, N. Y.
Roseland Can & Specialty Co. ("Whitehouse" Bread), Rockford, Ill.
Rutenber Electric Co. (Electric), Marine, Ind.
Satisfaction Guaranteed Corp. ("Ever-Hot" & Marvel Stove & "Teddy Grill"), 659 Fulton, Chicago, Ill.
Silver & Co., 304 Hewes, Brooklyn, N. Y.
Simplex Electric Heating Co. ("Simplex" Electric), Cambridge, Mass.
Sloan Novelty Mfg. Co. ("Sloan" Electric or Fuel), s w cor 20th & Wyandotte, Kansas City, Mo.
Streeter N. R. & Co. ("Sensible," Opens & Closes), Rochester, N. Y.
WESTINGHOUSE ELECTRIC & MFG. CO. (Electric), East Pittsburgh, Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Willis Charlotte J. (Bread), Ann Arbor, Mich.
Wilson Mfg. Co., Niles, O.
Woods, Sherwood Co. (Wire), Worcester, Mass.

## 15654—Tobacco Dust & Stems

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Kentucky Tobacco Product Co., Louisville, Ky.

## 15655—Tobacco Pouches (Rubber)

Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Tyer Rubber Co. ("Tyrian"), Andover, Mass.

## 15655a— Tobin Bronze Parts

BELL CO. (THE), 1555 Fillmore av, Buffalo, N. Y. *See adv index at end of book*

## 15656— Toboggan Slides

Giant Mfg. Co. (Playground), Council Bluffs, Ia.
Ingersoll Construction Co., 324 4th av, Pittsburgh, Pa.
Morris E. Joy, 902 Walnut, Phila., Pa.
Phila. Toboggan Co., 130 E Duval, Gtn., Phila., Pa.

## 15657— Toe-Calks (Steel)

Aetna Nut Co. ("Black Horse"), Southington, Conn.
American Horse Shoe Co. (Toe & Heel Calks), Phillipsburg, N. J.
AMERICAN STEEL & WIRE CO. ("Junita"), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Burke P. F. (And "Dooley" Toe Calk), Damrell S, Boston, Mass.
Cambria Steel Co., Widener bldg., Phila., Pa.
Franklin Steel Works ("Standard," "Climax," "Sweets"), Joliet, Ill. & Cambridge, Mass.
Giant Grip Horse Shoe Co. ("Giant Grip"), Oshkosh, Wis.
Ludvigsen Bros. (Welded Center), Jackson, Minn.
Phoenix Horse Shoe Co. ("Phoenix Bull Dog" & "Bull Dog"), 209 S La Salle, Chicago, Ill., & Poughkeepsie, N. Y.
Rowe Calk & Chain Co. ("Rowe"), Plantsville, Conn.
U. S. Horse Shoe Co., Erie, Pa.
Western Automatic Machine Screw Co., Elyria, O.

## 15658— Toggles

ANKYRA MFG. CO., Wayne Junction, Phila., Pa. *See adv index at end of book*
Columbus McKinnon Chain Co., Columbus, O. *See adv index at end of book*
Eberhard Mfg. Co. (Harness), C. & P. Ry & Tennyson rd, Cleveland, O.
Economy Toggle Co. ("Economy" for Tanners), 21 Storer, Boston, Mass.
Elbel Co. (Harness), Canton, O.
Hamblet & Hayes Co. ("Improved H. H. Patent") (Improved H. & H. for Tanners), 284 Devonshire, Boston, Mass.
North & Judd Mfg. Co. ("Anchor Brand" Harness), New Britain, Conn.
Star Expansion Bolt Co. ("Sebco"), 145 Cedar, New York
*See adv index at end of book*

## 15659— *Toggles (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 15659a—Toilet Articles Mfrs.

Arlington Works, The (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Loveland Wm. H. Co., Binghamton, N. Y.

## 15660—Toilet Articles (Celluloid)

Celluloid Co. (Brushes, Combs, Mirrors, Boxes, Rings, Trays, Files, Shoe Hooks & Horns, Thimbles, etc), 36 Washington pl, New York
Leominster Shell Goods Mfg.Co., Leominster, Mass.

## 15660a— Toilet Sets

See also Manicure Sets

The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.
SCHIMPER WILLIAM & CO., 322-338 Ferry, Hoboken, N. J. & 33 Union Sq. W, New York *See adv index at end of book*
Saart Bros. Co. (Sterling Silver), Attleboro, Mass.

## 15660b—Toilet Sets (Cased)

Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.

## 15661— Tolanite

**Philadelphia Clay Co. (Pulverized or Lump), 1316 Commonwealth, Phila., Pa.**

## 15661a— Tolidin

Aniline Dyes & Chemicals, Inc., New York
Newport Chemical Woks, Inc., Milwaukee, Wis.
Transatlantic Chemical Corp., 80 Wall, New York

## 15661b— Toluidine

**Chemical Co. of America, 28 Platt, New York**
Montcalm Chemical Works (Meta Nitro Para), 220 No Illinois, Indianapolis, Ind.
**National Aniline & Chemical Co. Inc., 21 Burling slip, New York**
Transatlantic Chemical Corp., 192 B'way, New York

## 15662— Toluol

Barrett Co., 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
Bethlehem Steel Co., So. Bethlehem, Pa.
Cambria Steel Co., Widener bldg, Phila., Pa.
Camden Coke Co., Camden, N. J.
Coopers Creek Chemical Co., West Conshohocken, Pa.
**Corrigan, McKinney & Co., Cleveland, O.**
du Pont Chemical Works, Equitable bldg, New York
**Inland Steel Co., 38 S Dearborn, Chicago, Ill.**
Jordan William E., Inc., 13 Cliff, New York
**La Belle Iron Works, Steubenville, Ohio**
Lackawanna Steel Co., Buffalo, N. Y.
**Laclede Gas Light Co., 11th & Olive, St.** Louis, Mo.
**Lewis F. J. Mfg. Co., Moline, Ill.**
McKinney Steel Co., Perry Payne bldg, Cleveland, O.
Marden, Orth & Hastings Co., 136 Liberty, New York
**New Haven Gas Light Co., New Haven, Conn.**
**Newport Chemical Works, Inc., Milwaukee, Wis.**
Seaboard By-Products Coke Co., Jersey City, N. J.
Semet-Solvay Co., Syracuse, N. Y.
Standard Chemical Co., Tacoma, Wash.
United Gas Improvement Co., Broad & Arch, Phila., Pa.
Youngstown Sheet & Tube Co., Youngstown, O.
Western Aniline Products Co., Hammond, Ind.
**Zenith Furnace Co., Duluth, Minn.**

## 15662a—Toluol (Recovery Plant Constructors)

**Wilputte Coke Oven Corp., 469 5th av, New York**

## 15663—Tongs (Auto Chain)

**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**

## 15664— Tongs (Blacksmiths')

**Auer John, Jr., 197 Middleton, Brooklyn, N. Y.**
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
**Buffum Tool Co. ("Swastika"), South Side,** Louisiana, Mo.
**Champion Tool Co. ("Champion" Straight Lip, Bolt, Gad Pick Up), Meadville, Pa.**
**Evansville Tool Works, Evansville, Ind.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Hay-Budden Mfg. Co., 254 N Henry,** Brooklyn, N. Y.
Heller Bros. Co., 870 Mt. Prospect av, Newark, N. J.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Ketler-Elliott Co. ("Ketoco"), 31st & Cal., Chicago, Ill.
Leibfried C. W., 97 Guernsey, B'klyn, N. Y.
Moore Drop Forging Co., Springfield, Mass.
**Plumb Fayette R. (Inc.), Tucker & James, Philadelphia, Pa.**
Sargent & Co., New Haven, Conn.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stearns E. C. & Co. ("Stearns," Swivel Jaw), 450 Oneida, Syracuse, N. Y.
**Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.**
**Warren Tool & Forge Co., Warren, O.**
*See adv index at end of book*

## 15665-6—Tongs (Bridge Builders)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.

## 15667— Tongs (Candy)

Getz M. & Co., 162 1st, San Francisco, Cal.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Hamblin & Russell Mfg. Co. (Wire), Worcester, Mass.**

## 15668— Tongs (Chain)

See also Wrenches, Chain

Kroeschell Bros. Co. ("Ideal"), 440 W Erie, Chicago, Ill.
**Robbins, Gamwell & Co. ("Robbins"), Pittsfield, Mass.**
**Stortz John & Son (Hoisting), 210 Vine, Phila., Pa.**
**Union Tool Co. ("Hardison," "Kellerman," "Maddress" for Oil & Gas, Well Pipe** or Casing), Lorrance, Cal.

## 15669— Tongs (Charging)

**Brass Founders Supply Co. (For Brass Fdrs.), Wilson av, Newark, N. J.**

## 15670— Tongs (Cinder)

**Reading Saddle & Mfg. Co., Reading, Pa.**

## 15670a— Tongs (Clinker)

Pilley Flue Brush Co. (For Steam, Hot water Heating, etc), 604 S 3rd, St. Louis, Mo.

## 15671— Tongs (Coal)

**Fanner Mfg. Co. ("Arctic"), Cleveland, O.**

## 15672-3— Tongs (Crucible)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
**Auer John, Jr., 197 Middleton, Brooklyn, N. Y.**
**Barnett Oscar Foundry Co., Irvington, N.J.**
Byram & Co., Detroit, Mich.
Dicke Tool Co., Downers Grove, Ill.
Klemm E. R., 1453 Austin av, Chicago, Ill.
New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## Tongs (Farriers')

See Tongs, Blacksmiths'

## 15674— Tongs (Fish)

**Estes E. B. & Sons (Wood), 364 5th av, New York.** *See adv index at end of book*
Nicol & Co. ("Nicol's"), 218 No. Jefferson, Chicago, Ill.
Pa. *See adv index at end of book*

## 15675— Tongs (Hog)

**Pratt Wm. E. Mfg. Co. ("The Hill"), 35** W Lake, Chicago, Ill.

## 15676— Tongs (Ice)

**American Ice Co., 6th & Arch, Phila., Pa.**
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Columbus Handle & Tool Co., Columbus, Ind.
Dernell H. F. Co., Athens, N. Y.
Fanner Mfg. Co. ("Arctic," Family), Cleveland, O.
Gifford-Wood Co., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.
Hopkins W. F., Groton, New York
Louden Machinery Co. (Self Opening), Fairfield, Ia.
Parks & Parks ("Little Giant" for Domestic Use), Troy, N. Y.
Ray Geo. A. Mfg. Co., Buffalo, N. Y.
Reading Saddle & Mfg. Co. (Family), Reading, Pa.
**SMITH F. P., WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Streeter N. R. & Co. ("Sensible"), Rochester, N. Y.
Vaughan & Bushnell Mfg. Co. ("Jack Frost," "V. & B."), 2114 Carroll av, Chicago, Ill.

## 15677-8—Tongs (Joist or Timber)

Ransome Concrete Machinery Co. (For Hoisting Timber, etc., into High Buildings), Dunellen, N. J.
**Sasgen Derrick Co., 3101 W Grand av,** Chicago, Ill.

## 15679— Tongs (Machinists')

**Buffum Tool Co. ("Swastika"), South Side,** Louisiana, Mo.
Delaware Tool Co. (Automobile & Plumbers), Wilmington, Del.

## 15680— Tongs (Piano Hammer Shank)

**Kraeuter & Co., 583 18th av, Newark, N. J.**

## 15681—Tongs (Pick-up Fire)

Bronx Derrick & Tool Co., 143d & Southern blvd, New York
*See adv index at end of book*
**Buffum Tool Co. ("Swastika"), South Side,** Louisiana, Mo.
**Stanley Rule & Level Co (Atha Division),** New Britain, Conn.

## 15682— Tongs (Pipe)

**Ashcroft Mfg. Co. ("Brown's"), Adjustable, etc), 119 W 40th, New York**
**Crane Co. (Est. 1855) ("Brown"), 836 S** Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co. (Ltd.), ("Darling"), Williamsport, Pa.
**Jarecki Mfg. Co. ("Jarecki" Adjustable),** Erie, Pa.
**Kroeschell Bros. Co. ("Ideal"), 440 W** Erie, Chicago, Ill.
**Mueller H. Mfg. Co. ("Mueller" Improved Derrick & Pipe Tongs for** Water & Gas Mains), Decatur, Ill.
Oil Well Supply Co. ("Klein" "Lay," "Crumbie," "Robbins"), 215 Water, Pittsburgh, Pa.
Saunders' D. Sons, Yonkers, N. Y.
Union Drop Forge Co. (Parts Only), 358 W Grand av, Chicago, Ill.
Walworth Mfg. Co., Boston, Mass.

## 15682a— Tongs (Platinum)

Baker & Co., 54 Austin, Newark, N. J.
Bishop J. & Co. Platinum Wks., Malvern, Pa.

## 15683— Tongs (Rail)

See also Tools, R. R. Track

**Auer John Jr. (Heavy), 197 Middleton,** Brooklyn, N. Y.
Beall Bros. (Inc.), Alton, Ill.
Evansville Tool Works, Evansville, Ind.
**Hubbard & Co., 63rd & Butler, Pittsburgh,** Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Stanley Rule & Level Co (Atha Division), New Britain, Conn.
Union Drop Forge Co., 358 W Grand av, Chicago, Ill.
Verona Tool Works, Oliver bldg, Pittsburgh, Pa.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*
Warwood Tool Co., Warwood, Wheeling, W. Va.

## 15684— Tongs (Rod)

Love M. A. Mfg. Co. ("Never Slip"), Rockford, Ill.

## 15685— Tongs (Roofing)

Burritt O. W. & Bro., Weedsport, N. Y.
Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.
Foote J. B. Foundry Co., Fredericktown, O.
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y. *See adv index at end of book*
Peck, Stow & Wilcox Co., Southington, Conn.
Pratt Wm. E. Mfg. Co. ("Perfect"), 35 W Lake, Chicago, Ill.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

## 15686—Tongs (Saw Brazing)

Baldwin, Tuthill & Bolton, Grand Rapids, Mich.

## Tongs (Skidding)

See Tools, Logging & Lumbermen's

## 15687—Tongs (Stone Handling)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Lincoln Iron Works (For Handling Finished Work), Rutland, Vt.
Sasgen Derrick Co. ("Sasgen"), 3101 W Grand av, Chicago, Ill.

## 15688— Tongs (Stump)

Ransome-Leach Co., 115 B'way, New York

## 15689— Tongs (Tanners')

Emrich Phil., 824 Main, Cincinnati, O.
Horn Wm. H. & Bro. ("Diamond," "Crown"), 451 N 3d, Phila., Pa.

## 15690-1—Tongs (Vegetable, Etc.)

Hamblin & Russell Mfg. Co. ("Helping Hand" Wire), Worcester, Mass.

## 15692— *Tongs (Wooden)

Redlich Mfg. Co. (For Pickles & Olives), 637-647 W Oak, Chicago, Ill.
*See adv index at end of book*

## Tongue Supports

See Supports, Wagon Tongue

## 15693— Tongues (Wagon)

Campbell & Dann Mfg. Co., Tullahoma, Tenn.

## 15694— Tool Kits

Arstrong Mfg. Co. ("Armstrong" Combination, Bridgeport, Conn.
Billings & Spencer Co. ("B. & S." Auto), Hartford, Conn.
Boker Cutlery & Hardware Co. ("Allsteel"), 101 Duane, New York
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Bridgeport Hardware Mfg. Co. ("So Handy" Pocket Knife), Bridgeport, Conn.
Chicago Tool & Kit Mfg. Co. (Automobile & Tractor), 12 N Market, Chicago, Ill.
Cushion Auto Tool Co. (Automobile), Champaign, Ill.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Feeser Frank S. Co., 1033 Shelby, Indianapolis, Ind.
Jennings C. E. & Co. ("Little Wonder"), 71 Murray, NewYork
Kennedy Mfg. Co. (Steel), 14 E Jackson blvd, Chicago, Ill.
Leonard Machy & Tool Co., Inc., 609 S Paulina, Chicago, Ill.
Marcy Tool Works ("Plumbers"), Putnam, Conn.
Napanoch Knife Co. ("Kompak"), Napanoch, N. Y.
Ulery U. J. Co. ("Ulery"), 259 Broadway, New York
Vichek Tool Co. ("Vichek," Complete Assortments), 8701 Mt. Auburn av, Cleveland, O.
Williams J. H. & Co. (Drop-Forged Wrenches), 31 Richards, Brooklyn, New York *See adv index at end of book*
Zinn Edward (Pocket), 11th av & 25th, New York

## 15694a— Tool Makers

Advance Tool Wks., 2304 Warren av, Chicago, Ill.
Central Machine Works, 12th & Tyler, St. Louis, Mo.
Hart Fredk & Co., 837 Main, Poughkeepsie, N. Y.
**JAXON CO.,** 1010-12-14 Jackson, Toledo, O. *See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
Lincoln Tool Co., Marquette bldg, Detroit, Mich.
Milwaukee Tool & Forge Co., Milwaukee, Wis.
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Security Tool Works, 115 S Clinton, Chicago, Ill.
Walstad Machine Co., Tacoma, Wash.
York Elec. & Machine Co., York, Pa.

## 15695-6— Tool Posts

Armstrong Bros. Tool Co. ("Armstrong" Improved), 339 N Francisco av, Chicago, Ill.
Brown & Sharpe Mfg. Co. (Cutting-Off, etc), Providence, R. I.
Magna Machine Co., 626 Driggs av, Brooklyn, N. Y.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Phoenix Mfg. Co. ("Conradson" Turret), Eau Claire, Wis.
Rex Mfg. Co. ("Rex"), Cambridge, Mass.
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 15697— Tool Sets

Armstrong Bros. Tool Co. ("Armstrong," Lathe, Comprises Ten Tools), 339 N Francisco av, Chicago, Ill.
Bonner Drop Forge Co. ("Victor," "Farmers," etc.), 111 W Washington, Chicago, Ill.
Bridgeport Hardware Mfg. Corp. ("B. H. M.," "Utility" Hollow Handle), Bridgeport, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Dikeman Mfg. Co. (Metal Handle), Norwalk, Conn.
Forged Products Co. ("Gibraltar"), Conway bldg, Chicago, Ill.
Fray Jno. S Co. (Inc.) (Hollow Handles), Bridgeport, Conn.
Goodell-Pratt Co. (Hollow Handle), Greenfield, Mass.
Improved Gauge Mfg. Co. (Wrench Sets), 105 Canal, Syracuse, N. Y.
National Mechanical Corp., 125 S Racine, av, Chicago, Ill.
Robinson M. W. Co. ("Rollis," "Buell's" Hollow Handle), 296 B'way, N. Y.
Sargent & Co. ("Sargent" & "Aiken" Hollow Handle, etc), New Haven, Conn.
Slocomb J. T. Co. (Micrometer), 35 Oxford, Providence, R. I.
Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.
Williams J. H. & Co. ("Agrippa" Lathe Tool Holders, Tools & Drop-Forged Wrenches), 31 Richards, Brooklyn, New York. *See adv index at end of book*
Williamsburg Mfg. Co. (Hollow Handle), Williamsburg, Mass.

## 15698—Tool Stands (Portable)

Allsteelequip Co. (Metal), Aurora, Ill.
KOENIG EDWARD L., 23 W Kinzie, Chicago, Ill. *See adv index at end of book*
Western Tool & Mfg. Co. ("Champion" Movable Bench), Springfield, O.

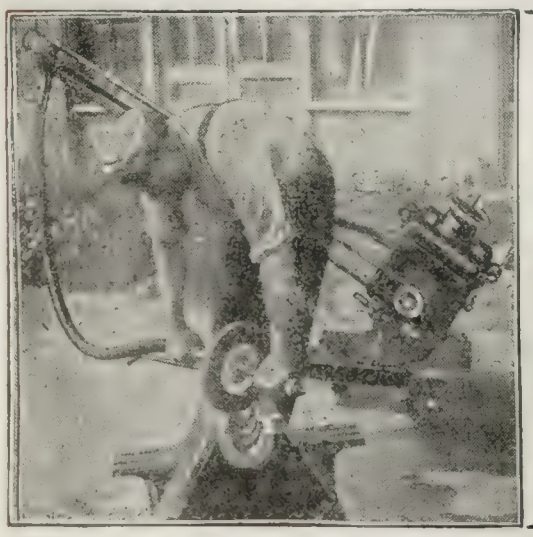
## Tool Steel

See Steel, Crucible; also Steel Bar Mills

## 15698a— Tools

See also Specific Article Required

A. M. Machine Works (Grinding), 72 W Washington, Chicago, Ill.
Beaver Machine & Tool Co., Inc., 625 No 3rd, Newark, N. J.
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Capital Die Tool & Mach. Co., 619 N 4th, Columbus, O.
Central Machine Works, 12th & Tyler, St. Louis, Mo.
Corbin Supply Co. (Dealers), Macon, Ga.
Levi Benjamin, 355 W B'way, New York
LIDSEEN GUSTAVE, 832-840 So. Central av, Chicago, Ill.
*See adv index at end of book*
McMorran Edw. E. & Co., 126 N Union, Chicago, Ill.
Malm & Stahl Tool Works, 561 Washington, Chicago, Ill.

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**Binghamton, New York, U.S.A.**

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Drills—Grinders—Buffers

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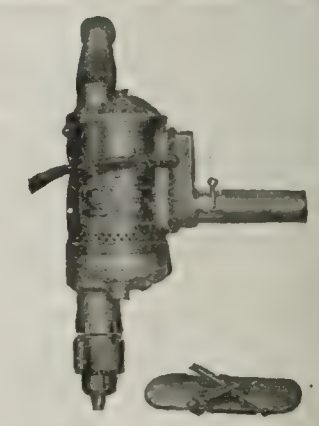

Drills All Sizes

Scalbom Mfg. Co., 11 S Desplaines, Chicago, Ill. *See adv index at end of book*

**Experimental and Model Work**
**SCALBOM MANUFACTURING CO.**
*Machinists and Tool Makers*
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**Stamping and Manufacturing**
**11-17 S. Desplaines St. Chicago**

Service Tool Die & Mfg. Co., 206 S Jefferson, Chicago, Ill.
Skelton Tool Co., Inc., 406 E Ash, Syracuse, N. Y.
Stafford Tool Works, Hartford, Conn.
Stow Mfg. Co., Inc. (Motor Driven), Binghamton, N. Y. *See adv index at end of book*

## Tools (Adjustable Milling)

See Mills, Adjustable Hollow

## Tools (Artesian Well Drilling)

See Machinery, Well Drilling

## 15699—Tools (Asphalt Paving)

See also Tools, Paving

Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
**Pioneer Iron Works, 149 Pioneer, Brooklyn, N. Y.**

## 15700— Tools (Assayers')

Sperry D. R. & Co. (Moulds, Pots Cupel Plates), Batavia, Ill.

## 15701— Tools (Automobile)

Barcalo Mfg. Co., Buffalo, N. Y.
Beckley-Ralston Co., 1801 S Mich. av, Chicago, Ill.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
**Buffum Tool Co. ("Swastika" Cylinder Ring Remover), South Side, Louisiana, Mo.**
**Cincinnati Tool Co., Norwood, Cincinnati, O.** ***See adv index at end of book***
Crane Co., Allston, Mass.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Chicago, Ill.
Gay E. L. Machine Co. (Gear, Cam & Flywheel Remover), Southbridge, Mass.
**Gemco Mfg. Co. ("Gemco," Tire Tools), Milwaukee, Wis.**
**GREENFIELD TAP & DIE CORP. ("G. T. D." Taps, Dies, Reamers, Gauges, etc), Greenfield, Mass.**
*See adv index at end of book*
Hammacher, Schlemmer & Co., 133 4th av, New York
**Helwig Mfg. Co. ("Helwig" Pneumatic Riveting Hammers, "Helwig" Pneumatic Chipping Hammers, "Helwig" Pneumatic Reversible Drills & Bolt & Rivet Clippers "Helwig"), St. Paul, Minn.**
**Long Adam A. ("L. & M." Shoe Loosener), Rochester, N. Y.**
**Michelin Tire Co. (Tire Tools), Milltown, N. J.**
Mound Tool Co. ("Mound"), 1203 S 7th, St Louis, Mo.
**Noon A. S. Tool & Machine Wks., Rome, N. Y.**
Plomb Tool Mfg. Co. (Open End Wrenches), 2209 Santa Fe av, Los Angeles, Cal.
**Rhodes Mfg. Co. (Tire Removers), Grand Rapids, Mich.**
**Shawver Co. (Tire Removers, "Springfield"), Springfield, O.**
**Van Doren Mfg. Co. ("Vander"), Chicago Heights, Ill.**
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 15702— Tools (Balancing)

Anderson Bros. Mfg. Co. (Balancing Ways), Rockford, Ill
Bowsher N. P. Co. (Balancing Way), South Bend, Ind.
**Rockford Tool Co. ("20th Century," for Pulleys, Cones, Armatures, Fly Wheels, Airplane Propellers, etc), Rockford, Ill.**

## 15703— Tools (Beading)

Anderson W. H. Tool & Supply Co. 184 Brush, Detroit, Mich.
**Buffum Tool Co. ("Swastika," Boilermakers'), South Side, Louisiana, Mo.**
**Cleveland Punch & Shear Works Co. (Flue Beaders), 3921 St. Clair av, N E, Cleveland, O.**
Delaware Tool Co., Wilmington, Del.
**Eagle Tool Works, Bayonne, N. J.**
**Goldblatt H. Tool Co, 213 E 15th, Kansas City, Mo.**
**Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.**
Leetonia Tool Co., Leetonia, O.
**Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.** *See adv index at end of book*
**Marshalltown Trowel Co., Marshalltown, Ia.**
**Pratt & Whitney Co. (Flue Beading), Hartford, Conn.**
Stanley Rule & Level Co., New Britain, Conn.
**Wiedeke Gustav & Co. (Boilermakers'), Dayton, O.**

## 15704—Tools (Bell Centering)

Braunsdorf-Mueller Co., Elizabeth, N. J.

## 15704a—Tools (Blacksmiths')

See also Index of Contents for Specific Articles Wanted

Carlson Forgings Co., 733 Fulton, Chicago, Ill.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.

## 15705—Tools (Boilermakers')

American Die & Tool Co., Reading, Pa.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
California Tool Works, 181 Beale, San Francisco, Cal.
**Cleveland Punch & Shear Works Co., 3921 St. Clair av, N E, Cleveland, O.**
Delaware Tool Co., Wilmington, Del.
**Faessler J. Mfg. Co. (Hand & Pneumatic), Moberly, Mo.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**GREENFIELD TAP & DIE CORP. ("G. T. D." Taps & Reamers), Greenfield, Mass.**
*See adv index at end of book*
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Ketler & Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill. *See adv index at end of book*

**LOVEJOY TOOL WORKS**
*Manufacturers*
**Ball-Bearing Jacks**
**Boilermakers' and Railroad Tools**
**319 West Ohio Street, Chicago, Ill.**

Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Thomson Alex, Fitchburg, Mass.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
**Wiedeke Gustav & Co. (Tube Expanders, Beading Tools, Tube Cutters), Dayton, O.**

## 15706— Tools (Bookbinders')

**Hickok W. O. Mfg. Co., Harrisburg, Pa.**

## 15707— Tools (Boring)

**See also Tools, Lathe; also Braces; also Drills, Automatic**

Allen & Curtiss Co. ("Simple"), Benton Harbor, Mich.
**Armstrong Bros. Tool Co. ("Armstrong," also Three Bar), 339 N Francisco av, Chicago, Ill.**
Blakely W. W. ("Common Sense" Adjustable), 369 Edison, Detroit, Mich.
Clark Machy. Co., 1302 Ontario, Cleveland, Ohio
Connecticut Valley Mfg. Co. ("Jennings" Wood), Centerbrook, Conn.
**Deschanel Engng. Corp., 90 West, New York**
Forest City Bit & Tool Co. (Wood Boring & Hollow Mortising), Rockford, Ill.
Fray Jno. S. Co. (Inc.), Bridgeport, Conn.
Goodell Mfg. Co., Greenfield, Mass.
Kelly Reamer Co. ("Kelly"), 1553 Columbus rd, Cleveland, O.
Mayhew H. H. Co., Shelburne Falls, Mass.
Millers Falls Co. (Automatic), Millers Falls, Mass.
New Process Specialty Co., 230 Hanover, Milwaukee, Wis.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
**Ready Tool Co. ("Red-E"), Bridgeport, Conn**
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Star Bit & Tool Co. (Wood Boring & Hollow Mortising), Rockford, Ill.
Toledo Pipe Threading Machine Co. ("Toledo" Ratchet, Wood), 1440 Summit, Toledo, O.
Union Tool Co. ("Hill"), Orange, Mass.
Unity Mfg. Co. ("E. Z. Sit"), 4227 Lorain av, Cleveland, O
Wellman Co. ("Twentieth Century"), Medford, Mass.
Western Tool & Mfg. Co. ("Champion"), Springfield, O.
Williams J. H. & Co. ("Agrippa" Boring Tool Holders & "Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y
*See adv index at end of book*
Wrightville Hardware Co. ("Quad" & "Quint," for Augur Mortisers), Wrightsville, Pa.

## Tools (Bricklayers')

See Tools, Masons'

## 15708— Tools (Burring)

**GREENFIELD TAP & DIE CORP. ("G. T. D." Spiral, Fluted, Burring Reamers), Greenfield, Mass.**
*See adv index at end of book*

## Tools (Butchers')

See Index of Contents for Specific Article Required. If Not Found, Write Us

## Tools (Cabinetmakers')

See Specific Article Required

## 15709— Tools (Calking)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Billings Union Trowel Works (D. W. Gray Co.), Irvington, N. J.
**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**
Carver Tool Works, Spring Valley, N. Y.
Delaware Tool Co., Wilmington, Del.
Drew C. & Co., Kingston, Mass.
cago, Ill. *See adv index at end of book*
**Fairmount Tool & Forging Co. (Fairmount"), 10611 Quncy av, Cleveland, Ohio**
Leetonia Tool Co., Leetonia, Pa.
**Lovejoy Tool Works (Straight or Bent), 319 W Ohio, Chicago, Ill.**
*See adv index at end of book*
**Mack & Co. ("D. R. Barton"), Rochester, N. Y.**
Marcy Tool Works, Putnam, Conn.
**Mound Tool Co., 1203 S 7th, St. Louis, Mo.**
**Mueller H. Mfg. Co. (Combination Soil Pipe), Decatur, Ill.**
**Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.**
Plomb Tool Mfg. Co., 2209 Santa Fe, Los Angeles, Cal.
Pollard J. G., 141 Raymond, Brooklyn, N. Y.
S. & I. Co. ("Never Break," Plumbers'), Springfield, Mass.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.
Union Iron Works, Hoboken, N. J.
Van Doren Mfg. Co. ("Vandor"), 227 W Erie, Chicago Heights, Ill
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

TOOLS (CALKING)—continued
Wilcox, Crittenden & Co. Inc. (Calking Irons), Middletown, Conn.
*See adv index at end of book*

## 15710—Tools (Carpenters')

**See also Index of Contents for Specific Article Required. If Not Found, Write Us**

**Cincinnati Tool Co., Norwood, Cincinnati, O.** *See adv index at end of book*
Heller Brothers Co., 870 Mt. Prospect av, Newark, N. J.
Plomb Tool Mfg. Co. (Jobbers), 2209 Santa Fe av, Los Angeles, Cal.
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

## Tools (Cement Sidewalk)

**See Tools, Concrete Finishing**

## 15711—Tools (Cement Workers')

Anderson, W. H., Tool & Supply Co., 184 Brush, Detroit, Mich.
**BONNEY VISE & TOOL WKS., INC.,** Allentown, Pa. *See adv index at end of book*
Delaware Tool Co., Wilmington, Del.
Martin Iron Works, 1222 E 28th, Los Angeles, Cal.

## 15712— Tools (Comb)

Grimes & Harris, Leominster, Mass.

## 15713— Tools (Combination)

Benefiel C. E. Co. ("Handi-Tool"), Indianapolis, Ind.
Chicago Flexible Shaft Co. ("Stewart" Handy Worker), 5600 W 12th, Chicago, Ill.
Foote Mfg. Co. ("Ever-Ready" Tool Kit, Hammer, Punches, Pullers, Screwdriver, Wire Splicer, Wrench, All Combined in One), Dayton, O.
Harrah Mfg. Co. ("12-In-1"), Bloomfield, Ind.
Reed Evan L. Mfg. Co., Sterling, Ill.
Williams J. H. & Co. (Demountable Rim), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 15714—Tools (Commutator, Truing)

**GENERAL ELECTRIC CO.** ("B & B," also Slotting), Schenectady, N. Y.
*See adv index at end of book*
Jordan Bros., 74 Beekman, New York

## 15715—Tools (Concrete Finishing)

Abram Cement Tool Co., Marquette bldg, Detroit, Mich.
Anderson W. H. Tool & Supply Co. (Edgers, Groovers, Markers, Rollers, Framers, etc), 184 Brush, Detroit, Mich.
Arrowsmith Concrete Tool Co., Arrowsmith, Ill.
**BONNEY VISE & TOOL WORKS,** Allentown, Pa. *See adv index at end of book*
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buckeye Iron & Brass Works (Brass Edgers, Step Tool, Jointer & Cast Iron Tramp, etc), Dayton, O.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cheney S. & Son ("Mogul"), Manlius, N. Y.
Crescent Novelty Mfg. Co. (Steel or Bronze), 703 S B'way, St. Louis, Mo.
Duffy Mfg. Co., 214 W Grand av, Chicago, Ill.
Goldblatt H. Tool Co., 213 East 15th, Kansas City, Mo.
Heltzel Steel Form & Iron Co., Warren, O.
Holtum Mfg. Co. ("S. & H." Aluminum & Name Stamps), Freeport, Ill.
Kramer Bros. Foundry Co. ("Gem"), Dayton, O.
Noble Henry A. Co., 203 Dock, Phila., Pa.
Rock Island Mfg. Co., Rock Island, Ill.
Standard Tool & Mfg. Co. ("Standard" Long Handled), Indianapolis, Ind.
Stortz John & Son, 210 Vine, Phila., Pa.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.

## 15716— Tools (Coopers')

American Axe & Tool Co., Glassport, Pa.
Atkins E. C. & Co. (Saws), Indianapolis, Ind.
Black John B. Co. ("Wm. Beatty & Sons"), Chester, Pa.
Chapin, Stephens Co., Pine Meadow, Conn.
Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*
Collins Co., Collinsville, Conn.
Crescent Novelty Mfg. Co. ("Crescent" Punch), 703 S B'way, St. Louis, Mo.
Drew C. & Co., Kingston, Mass.
Emerson Smith & Co., Beaver Falls, Pa.
Evansville Tool Works, Evansville, Ind.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Mack & Co. ("D. R. Barton" Axes, Adzes, Anvils, Drawing Knives, Beck Horns, etc), Rochester, N. Y.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Redlich Mfg. Co., 637-647 W Oak, Chicago, Ill. *See adv index at end of book*
Sandusky Tool Co. (Wood Tools, etc), Sandusky, O.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Stortz John & Son, 210 Vine, Phila., Pa.
Swan Jas. Co., Seymour, Conn.
White L. & I. J. Co., 120 Columbia, Buffalo, N. Y.

## 15717— Tools (Cotter Pin)

Billings & Spencer Co. ("B. & S."), Hartford, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Chicago Tool & Kit Mfg. Co., 12 N Marks, Chicago, Ill.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Marcy Tool Works, Putnam, Conn.
Vichek Tool Co. ("Vichek"), 8701 Mt Auburn av, Cleveland, O.

## 15718— Tools (Cutting-Off)

Armstrong Bros. Tool Co. ("Armstrong" Straight & Right & Left Hand), 389 N Francisco av, Chicago, Ill.
Goodell-Pratt Co., Greenfield, Mass.
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Pratt & Whitney Co. ("Johnson" Cutting-Off Blades), Hartford, Conn.
Ready Tool Co. ("Red-E"), Bridgeport, Conn.
Union Tool Co. ("Hill High Speed"), Orange, Mass.
Van Doren Mfg. Co. ("Vandor"), 227 W Erie, Chicago Heights, Ill.
Walworth Mfg. Co., Boston, Mass.
Western Tool & Mfg. Co. ("Champion"), Springfield, O.
Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop-Forged), 31 Ricchards, Brooklyn, N. Y.
*See adv index at end of book*

## 15719—Tools (Diamond, Turning, Etc.)

**See also Emery Wheel Dressers; also Cutters, Glass**

**ACME DIAMOND TOOL CO.,** 12-16 John, New York *See adv index at end of book*


**ACME DIAMOND TOOL CO.**

*Manufacturers of*

**DIAMOND POINTED TOOLS**

**for Trueing Grinding Wheels. Special Shaped Tools made to take place of Steel.**

12-16 John Street New York


Crafts Arthur A. & Co., 125 Summer, Boston, Mass.
Dessau D. (S. Dessau's Son), 180 Broadway, New York
*See adv index at end of book*
Dessau Maurice S., 6 Maiden la, New York
*See adv index at end of book*
Dessau's S. Sons, 6 Maiden la, New York
Diamond Drill Carbon Co., 59 Park row, New York


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**CARBON (Black Diamonds) & BORTZ DIAMOND POINTED TOOLS**

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Dickinson Thos. L., 36 Gold, New York
Francis & Co., 50 State, Hartford, Conn.
Gutman Chas., 35 Nassau, New York
Levine, Abr., 14 John, New York
*See adv index at end of book*
**Mendes Cutting Factories ("Mendes" for all Mechanical Purposes), 12 John, New York**
Meyers Willard F. Co., Bedford, Ind.
Osgood J. L. Tool Co. ("Black Diamond"), Buffalo, N. Y.
Safety Emery Wheel Co. (Hand Lathe), Springfield, O.
Skinner Bros., 430 Kent av, Brooklyn, N. Y.
Tanite Co., Stroudsburg, Pa.
Union Tool Co., Orange, Mass.
Wennstrom's John Sons Co., Suffern, N. Y.
Wheel Truing Tool Co., Penobscot bldg, Detroit, Mich.

## 15720-1—Tools (Draftsman's)

**ACME BLUE PRINT PAPER CO.,** 115 So. Dearborn st, Chicago, Ill.
*See adv index at end of book*
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

## Tools (Drill Sharpening)

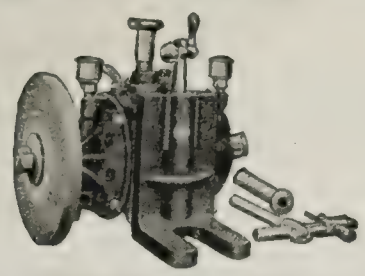
**See Drill, Sharpening Machines**

## 15722—Tools (Drilling & Fishing, Oil Well)

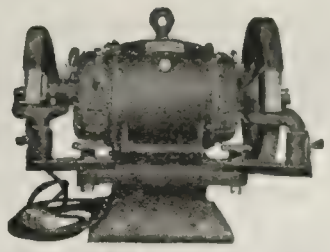
**Acme Fishing Tool Co., Parkersburg, W. Va.**
American Well Works, Aurora, Ill.
**American Well & Prospecting Co., Corsicana, Tex.**
Benner Tool Co., Swissdale, Pa.
**Boardman Robt. Co., Oil City, Pa.**
**Bovaird Supply Co., Independence, Kan.**
**Bovaird & Seyfang Mfg. Co., Bradford, Pa.**
**Bradford Supply Co., Bradford, Pa.**
**COLUMBUS FORGE & IRON CO.,** Columbus, O. *See adv index at end of book*
Crotty J. J. & Co., Parkersburg, W. Va.
Davin J. J., Washington, Pa.
Dobbins Core Drill & Co., Inc., 147 W 42nd, New York
Herron R. H. Co., 934 N Alemeda, Los Anges, Cal.
**Kesselman & Co., Butler, Pa.**
**KEYSTONE DRILLER CO.,** Beaver Falls, Pa. *See adv index at end of book*
**Larkin J. J., Bartelsville, Okla.**
Larkin & Co., Butler, Pa.
Leidecker Tool Co., Marietta, O.
Lucey Manufacturing Corp., 233 Broadway, New York
*For branch offices see Alphabetical Section*
**Lucey Mfg. Corp. of Tenn., Chattanooga, Tenn.**
**McDermott P. J., Martins Ferry, O.**
Masseth Packer & Machine Co. ("M & B"), Butler, Pa.
**Muirhead John & Son, Pittston, Pa.**
National Supply Co., Union Bank bldg, Pitsburgh, Pa.
**Norwalk Drilling Tool Co., Norwalk, O.**
**Off-Set Tool Co., Bridgeport, Conn.**
**Oil Well Supply Co., 215 Water, Pittsburgh, Pa.**
**Phillips David Co., Bradford, Pa.**
**Producers' Supply Co., Franklin, Pa.**
Saunderson-Cyclone Drill Co. ("Cyclone"), Orrville, Ohio
**Sheridan John J. & Co., Mars, Pa.**
**Spang & Co., Butler, Pa.**
**Star Drilling Machine Co., Akron, O.**
**Tuna Iron & Steel Works,, Bradford, Pa.**
Union Tool Co., Torrance, Cal.
Western Rope & Mfg. Co. ("Westco"), Tulsa, Okla.
**Wilson & Willard Mfg. Co., Los Angeles, Cal.**
Zahniser Bros. & Sten, Washington, Pa.

# U. S. PORTABLE ELECTRIC TOOLS

ELECTRIC DRILLS
MADE IN SIZES FROM 1/4
UP TO 2"



CENTER GRINDERS
1/4 H. P. UP TO 2 H. P.



BENCH GRINDERS
1/4 H. P. UP TO 2 H. P.

## THE U. S. ELECTRICAL TOOL CO., Cincinnati, Ohio, U.S.A.


### 15722a— *Tools (Drop-Head)

Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### 15723— Tools (Electric)

Dopp J. W. & Co. (Dealers), 18 W Columbus, Detroit, Mich.
Neil & Smith Electric Tool Co., 8th & B'way, Cincinnati, O.
Simplex Mfg. Co., Newtonville, Mass.
**STOW MFG. CO., INC.** (Motor Driven), Binghamton, N. Y.
*See adv index at end of book*
U. S. Electrical Tool Co., Cincinnati, Ohio
*See adv index at end of book*

### Tools (Electricians')

See Tools, Lineman's

### Tools (Engine Room)

See Tools, Packing

### Tools (Engineers')

See Index of Contents for Specific Article Required

### 15724— Tools (Engravers)

Automatic Engraving & Mfg. Co., Inc., 79 E 130th, New York
Dixon Wm. Inc., 39 John, New York

### 15725—Tools (Expansion Boring)

Davis Boring Tool Co. ("Davis"), 3722 Forest Park bl, St. Louis, Mo.

### 15726— Tools (Farriers')

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Champion Tool Co., Meadville, Pa.
Evansville Tool Works, Evansville, Ind.
Hammond C. & Son, Ogontz, Pa.
Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.

### 15727— Tools (Fillet)

Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
Timmis & Clissold, Bound Brook, N. J.

### 15728—Tools (Finishing Gutter & Step)

Anderson W. H. Tool & Supply So., 184 Brush, Detroit, Mich.
Crescent Novelty & Mfg. Co. (Sheet Metal, All Sizes and Designs), 703 S B'way, St. Louis, Mo.
Rock Island Mfg. Co., Rock Island, Ill.

### 15729— Tools (Firing)

Anderson W. H. Tool & Supply So., 184 Brush, Detroit, Mich.
Auer John, Jr., 197 Middleton, Brooklyn, N. Y.
Focht, Geo. Sons, 117-119 Adams, Hoboken, N. J.
Grabler Mfg. Co., Cleveland, O.
Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.

### 15730— Tools (Framing)

Topp G. A. & Co. ("Topps"), Indianapolis, Ind.

### Tools (Gardeners')

See Index of Contents for Specific Article Required

### 15731-2—Tools (Glassmakers')

Blaisdell Machine Works (Medical, Laboratory & Scientific), Vineland, N. J.
Dixon H. L. Co., Rosslyn rd, Carnegie, Pa.

### 15733— Tools (Graining)

Burton A. & E. & Co. (Painters'), 73 Pearl, Boston, Mass.

### 15734— Tools (Granite & Stone Cutters')

See also Pneumatic Stone Cutting Tools
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Dallett Thos. H. Co. (Pneumatic, etc), 130 Federal, Phila., Pa.
Davey John H., New London, Conn.
Delaware Tool Co., Wilmington, Del.
Goldblatt H. Tool Co., 213 E 15th, Kansas City, Mo.
Hauck Wm. J., 306 Southwest bvld, Kansas City, Mo.
Harrison Supply Co., 209 Washington, Boston, Mass.
Hauck Wm. J., 306 Southwest blvd, Kansas City, Mo.
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
International High Speed Steel Co., 99 Nassau, New York
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Isele A. W. & Son, 51 Pitt, Boston, Mass.
Kemp J. F. & Co., Quincy, Mass.
Livingston Mfg. Co., Rockland, Me.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Racky Albert C., 531 S 5th av, Chicago, Ill.
Stubbs Steel Co., 17 N 5th, Phila., Pa.
Trimbach Geo. Dayton, O.
Trow & Holden Co., Barre, Vt.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.
Vulcan Tool Mfg. Co., Quincy, Mass.
Willbas Gustaf, Quincy, Mass.

### 15735—Tools (Gun Cleaning & Reloading)

Cullum & Boren Explosive Co. ("Texas Ranger," Rifle Cleaning Rod), Dallas, Tex.
Marble Arms & Mfg. Co. ("Marble" Gun Rods & Cleaners), Gladstone, Mich.
Parker Bros. (Cleaning & Reloading), Meriden, Conn.
Rupert G. G. ("G. & R." Cleaning Rod), Decatur, Ill.
Savage Arms Corp. (Reloading), Utica, N. Y.
Stevens J. Arms Co. (Gun Cleaning), Chicopee Falls, Mass.
Union Hardware Co. (Cleaning & Reloading), Torrington, Conn.
U. S. Cartridge Co. ("Belcher's" Automatic Magazine Cartridge Loader), Lowell, Mass.
Winchester Repeating Arms Co. ("Winchester") (Reloading), New Haven, Conn.
Worcester Brush & Scraper Co. ("Criss-Cross," Gun Cleaner & Gun Rod), Worcester, Mass.

### 15736—Tools (Harness & Saddlery)

Horn Wm. H. & Bro. ("Diamond," "Crown"), 451 N 3d, Phila., Pa.

### 15737— Tools (Hatters')

Cuming M. A. & Co., 43 Bleeker, New York

### 15738— Tools (Haying)

American Fork & Hoe Co. (Hand Tools), Swetland bldg, Cleveland, O.
Appleton Hay Tool Co. ("Miller Eagle"), Appleton, Wis.
Barley Thos. K. Sedalia, Mo.
Emerson-Brantingham Co. ("E.-B." & "E.-B. Osborn"), Rockford, Ill.
Fleming & Sons Mfg. Co., Huntsville, Mo.
Herschel B. Mfg. Co., Peoria, Ill.
Hunt, Helm, Ferris & Co., Harvard, Ill.
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Louden Machinery Co., Fairfield, Ia.
Milwaukee Hay Tool Co., Layton Park, Milwaukee, Wis.
**MYERS F. E. & BRO.**, 900 Fourth, Ashland, O. *See adv index at end of book*
Ney V. L. Hay Tool Co., Canton, O.
O'Neil T. L., Marseilles, Ill.
Porter J. E. Co., Ottawa, Ill.
Strickler Hay Tool Co., Janesville, Wis.
Swineford G. A. Co., Canton, O.
Syracuse Chilled Plow Co., Syracuse, N. Y.

### 15739—Tools (Hollow Handle Sets)

See also Tools, In Sets
Bergman Tool Mfg. Co. (Metal), Buffalo, N. Y.
International High Speed Steel Co., 99 Nassau, New York
Millers Falls Co., Millers Falls, Mass.
Morgan Mfg. Co., Inc. ("Morgans Handy") Keene, N. H.

### Tools (Hollow Mortising)

See Chisels, Hollow Mortising

### 15740—Tools (Ice Harvesting)

Anderson W. H. Tool & Supply So., 184 Brush, Detroit, Mich.
Bodenstein J. G. & Co., Staatsburgh, N. Y.
Dernell H. F. Co., Athens, N. Y.
Gifford-Wood Co., Hudson, N. Y.
Gruman Ice Tool Works, Branchville, Conn.

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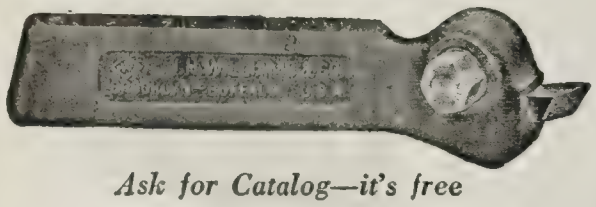

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TOOLS (ICE HARVESTING)—continued

**Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.**
Stevens Benj. A. Co., Toledo, O.

### 15741—Tools (Interchangeable)

Currier-Koeth Mfg. Co. ("Koeth's"), Coudersport, Pa.
**KNAPP ARTHUR ENGINEERING CORP.** 19 W 44th, New York
*See adv index at end of book*

### Tools (Jewelers')

See Tools, Watchmakers' & Jewelers'

### 15742—Tools (Key Seating)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Davis C. F. Machine Co., 133 Andrews, Rochester, N. Y.
National Machine Tool Co. ("National"), Cincinnati, O.
Seeger Machine Tool Co., 34 S Forsyth, Atlanta, Ga. *See adv index at end of book*
**Union Tool Co. ("Hill"), Orange, Mass.**
Vlchek Tool Co. ("Vlchek"), 8701 Mt. Auburn av, Cleveland, O.

### 15743— Tools (Knurling)

**Alert Tool Co. (Up to ½ inch in Diameter),** 237 N 6th, Phila., Pa.
Armstrong Bros. Tool Co. ("Armstrong," Plain & Revolving Head), 339 N Francisco av, Chicago, Ill.
Billings & Spencer Co. ("Billings"), Hartford, Conn.
Goodell-Pratt Co. (Hand), Greenfield, Mass.
Pratt & Whitney Co., Hartford, Conn.
Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### 15744—Tools (Lathe & Planer)

Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Atlas Engineering Co. (Lathe), Lincoln, N. J.
Bagshaw & Field, 445 N 5th, Phila., Pa.
Braunsdorf-Mueller Co., Elizabeth, N. J.
Cincinnati Planer Co. ("Whalen" Planer), Cincinnati, O.
Diamond Tool & Die Co., 438 Asylum, Hartford, Conn.
Gleason Works (Automatic Bevel Gear Planers; Generating & Forming), 2000 University av, Rochester, N. Y.
*See adv index at end of book*
Goodell-Pratt Co. (Lathe, Small Size Only), Greenfield, Mass.
Herbert Alfred, Ltd., 54 Dey st, New York
*See adv index at end of book*
Marcy Tool Works, Putnam, Conn.
Meriden Machine Tool Co., Meriden, Conn.
Myers Lathe Tool Co. ("Universal"), 416 E 9th, Los Angeles, Cal.
New Process Specialty Co., 230 Hanover, Milwaukee, Wis.
Niles-Bement-Pond Co., 111 B'way, New York
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Pratt & Whitney Co., Hartford, Conn.



Ready Tool Co. ("Red-E" Side Lathe), Bridgeport, Conn.
Ryerson Jos T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
Stortz Jno. & Son, 210 Vine Phila., Pa.
Union Lathe Wks., York, Pa.
Union Tool Co. ("Hill," "Eberhardt"), Orange, Mass.
Van Doren Mfg. Co. ("Vandor"), 227 W Erie, Chicago Heights, Ill.
Western Tool & Mfg. Co. ("Champion" Side Tool), Springfield, O.
Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop-Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*
Young Machine & Tool Co., Worcester, Mass.

### 15745— Tools (Lead Burners)

Geforer C. & Son, 1017 Ridge, Phila, Pa.

### 15745a—Tools (Leather Workers)

Osborne C. S. & Co., Box 183, Newark, N. J.
***See adv index at end of book***

### 15746— Tools (Linemen's)

Atha Tool Co., ft Chapel, Newark, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cincinnati Tool Co., Norwood, Cincinnati, O. *See adv index at end of book*
**Columbus Handle & Tool Co., Columbus, Ind.**
Dicke Tool Co., Downers Grove, Ill.
Irvington Mfg. Co. ("Irvington" & "Red Devil"), Irvington, N. J.
Klein Mathias & Sons, 3200 Belmont av, Chicago, Ill.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

### 15747—Tools (Logging & Lumberman's)

American Logging Tool Co. ("Sanford," "Champion," "Blue Line," "Oshkosh," "Columbia," "Evart," "American"), Evart, Mich.
**Avery & Co., 48 3rd, Portland, Ore.**
**Channon Jas. H., Mfg. Co., 227 W Erie, Chicago, Ill.**
**Dixie Logging Tool Co., Chattanooga, Tenn.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Franklin Tool Works, 1049 Railroad av, S Seattle, Wash.
Gerlach Peter Co., 1712 Winter, Cleveland, O.
Grays Harbor Iron & Steel Co., Hoquiam, Wash.
International High Speed Steel Co., 99 Nassau, New York
Northwestern Mfg. Co., Duluth, Minn.
Oshkosh Mfg. Co., Oshkosh, Wis.
Prouty C. & Co., Eldred, Pa.
Ransome Concrete Machinery Co., Dunellen, N. J.
Romick A. R., Kelso, Wash.
Simonds Mfg. Co., Ltd. (Jobbers), 420 Canal, New Orleans, La.
Stacy Eugene C. (Load Binders), Tiffin, O.
*See adv index at end of book*
Warren Axe & Tool Co. ("Bull Dog"), Warren, Pa.
Woodward Wight & Co., Ltd. ("Strength & Wear"), Howard av & Constance, New Orleans, La.

### 15748— Tools (Machinists')

Anderson L., 544 W Lake, Chicago, Ill.
**BETTES & EBSEN,** 152 Chambers, New York *See adv index at end of book*
Deschauel Engng. Corp., 90 West, New York
Hood Bros., Palethrop & Oxford, Phila., Pa.
Indicating Calipers Co., 506 E 19th, New York *See adv index at end of book*


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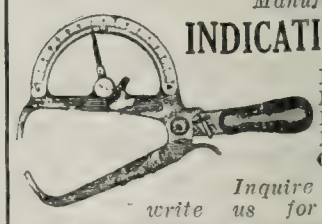

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Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Newman Manufacturing Co., 542 W. Jackson, Chicago, Ill.
*See adv index at end of book*
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Purinton & Smith, Hartford, Conn.
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*
Williams J. H. & Co., (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### Tools (Marble Workers')

See Tools, Granite & Stone Cutters

### 15749— Tools (Mason's)

Billings Union Trowel Works (D. W. Gray Co.), Irvington, N. J.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Fairmont Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Goldblatt H. Tool Co., 213 E 15th, Kansas City, Mo.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Racky Albert C., 531 S 5th av, Chicago, Ill.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Vogl Tool Co., 912 E 19th, Kansas City, Mo.

### 15750— *Tools (Measuring)

**NORMA CO. OF AMERICA,** Anable av, Long Island City, N. Y.
*See adv index at end of book*

## Tools (Metal Workers')

See Specific Article Required

## 15751—Tools (Milling Machine)

Atha Tool Co., ft Chapel, Newark, N. J.
Brown G. F. Machine Co., Inc., 109 Fichenor, Newark, N. J.
Brown & Sharpe Mfg. Co., Providence, R. I.
Herbert Alfred, Ltd., 54 Dey st, New York
*See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.

## 15752—*Tools (Millwrights')

**STARRETT L. S. CO. (THE)**, Athol, Mass.
*See adv index at end of book*

## 15753— Tools (Mining)

American Mining Tool Co., Ottumwa, Ia.
Beall Bros. ("Old Alton"), Alton, Ill.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Cyclone Machine Co., Pittston, Pa.
Fulton Tool Works ("Fulton"), Canal, Fulton, O.
Funk Bros. Mfg. Co. (Coal), 53 W Jackson, Chicago & Chicago Heights, Ill.
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Iron City Tool Works, Ltd. (Coal Miners'), 3201 Smallman, Pittsburgh, Pa.
Iwan Bros., South Bend, Ind.
Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Warren Tool & Forge Co., Warren, O.
*See adv index at end of book*
What Cheer Tool Co., What Cheer, Ia.

## 15754— Tools (Mitreing)

Carver Tool Works, Spring Valley, N. Y.
Goldblatt H. Tool Co., 213 E 15th, Kansas City, Mo.

## 15755— Tools (Molders')

Barnett Oscar Foundry Co. ("Monk's"), Irvington, N. J.
Diston Hy. & Sons, Tacony, Phila., Pa.
Dobson Wm., Canastota, N. Y.
Monk Chas., 83 18th, Brooklyn, N. Y.

## 15756—Tools (Motor Cycle Chain)

Bean Tool & Sales Co., Berea, O.

## 15757— Tools (Nailing)

Pearson E. Martin ("Pearson" Hand Nailer), Robbinsdale, Minn.

## 15758— Tools (Packing)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Auer John Jr., 197 Middleton, Bklyn, N. Y.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Mound Tool (& Scrapping), 1203 S 7th, St. Louis, Mo.
Strong Machinery & Supply Co. (Lightning & Improved Old Style), 21 Walker, New York *See adv index at end of book*

## 15759—Tools (Paper Hangers')

Bullock Mfg. Associates, Springfield, Mass.
Ridgely Trimmer Co., Springfield, O.

## 15760— Tools (Parting)

Swan James Co. (For Wood Turners), Seymour, Conn.
Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop-Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## 15761-2— Tools (Paving)

See also Tools, Concrete Finishing; also Tools, Asphalt Paving

Ames Plow Co., Quincy Hall, Boston, Mass.
Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Crescent Novelty Mfg. Co. ("Crescent" & Granitoid Sidewalk), 703 S B'way, St. Louis, Mo.
Kramer Bros Foundry Co., Dayton, O.
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Pollard Jos. G., 141 Raymond, Brooklyn, N. Y.
Reading Saddle & Mfg. Co. (Cement Finishing), Reading, Pa.
Trow & Holden Co., Barre, Vt.
Union Iron Works, Hoboken, N. J.
Vlchek Tool Co. ("Vlchek"), 8701 Mt. Auburn av, Cleveland, O.
Vogl Tool Co., 12 E 19th, Kansas City, Mo.

## 15763—Tools (Pipe Threading)

Armstrong Mfg. Co., 278 Knowlton, Bridgeport, Conn.
Borden Co., The ("Beaver"), Warren, O.
McMann & Taylor Co., 104 John, New York *See adv index at end of book*
Toledo Pipe Threading Machine Co. (Ratchet, etc), 1440 Summit, Toledo, O.

## 15764— Tools (Pitching)

Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.
Crescent Novelty Mfg. Co., 703 S B'way, St. Louis, Mo.
Evansville Tool Works, Evansville, Ind.
Goldblatt H. Tool Co., 213 E 15th, Kansas City, Mo.
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Phillips F. & Son, 1336 Greenwood av, Baltimore, Md.
Stortz Jno. & Son, 210 Vine, Phila., Pa.

## Tools (Planer)

See Tools, Lathe & Planer

## 15765— Tools (Plasterers')

Bransdorf-Mueller Co., Elizabeth, N. J.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Goldbaltt H. Tool Co. (Aluminum & Wood Hawks, Aluminum & Wood Darbies, Cork & Wood Floats, Mitre Tools & Rods), 213 E 15th, Kansas City, Mo.
Plomb Tool Mfg. Co., 2209 Santa Fe, Los Angeles, Cal.

## 15766—Tools (Plumbers' & Tinners')

Anderson W. H. Tool Supply Co. (Plumbers), 184 Brush, Detroit, Mich.
B. B. Specialty Co., 433 Liberty av, Pittsburgh, Pa.
Bernz Otto, 17-37 Ashland av, Newark, N. J.
Bicknell Mfg. & Supply Co. (Plumbers Only), Janesville, Wis.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Burritt O. W. & Bro. (Tinners' Only), Weedsport, N. Y.
Carver Tool Works, Spring Valley, N. Y.
Delaware Tool Co., Wilmington, Del.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Fleck Bros. Co. ("K. Korkers"), 44 N 5th, Phila., Pa.
Garrison Brass & Machine Works, 107 W 13th, New York
Johnson Wm. (Hedenberg Works), Newark, N. J.
Merchant & Evans Co. (Tinners' Tools & Machines), Washington av & 21st, Phila., Pa. *See adv index at end of book*
Mueller H. Mfg. Co. (Plumbers'), Decatur, Ill.
Nason Mfg. Co., 71 Fulton, New York
**NIAGARA MACHINE & TOOL WORKS** (Tinners' Only), Buffalo, N. Y.
*See adv index at end of book*
Osborne C. S. & Co. (Dressers), Box 183, Newark, N. J.
*See adv index at end of book*
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Sayer L. A. Co., 332 Mulberry, Newark, N. J.
S. & I. Co. ("Never Break," Plumbers Calking Tools, etc.), Springfield, Mass.
Stortz J. & O. & Son, 210 Vine, Phila., Pa.
Williams J. H. & Co. ("Vulcan" & "Agrip-
Taiz Jacob & Son, Phila., Pa.
Van Doren Mfg. Co. ("Vandor"), Chicago Helghts, Ill.
Williams J. H. & Co. ("Vulcan" & "Agrippa" Wrenches, "Vulcan" Vise, Vise Clamps & Vise Mounts & "Falcon" Waste Plug Spanner), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## Tools (Pneumatic)

See Pneumatic Tools

## 15767— Tools (Pump)

Brown Harold P., 120 Liberty, New York
Mack & Co. ("D. R. Barton"), Rochester, N. Y.
Myers F. E. & Bro., 900 Fourth, Ashland, O. *See adv index at end of book*

## 15768—Tools (Pyrites Furnace Charging)

Pratt Engineering & Machine Co., Atlanta, Ga.

## 15769—Tools (Rail Bonding)

**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Lord Mfg. Co. ("Lord" Tools, Soldering Torches, etc.), 105 W 40th, New York
*See adv index at end of book*
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Ohio Brass Co., Mansfield, O.

## 15770—Tools (Railroad Track)

**Beall Bros., Alton, Ill.**
**Buda Co., Railway Exch. bldg, Chicago, Ill.**
**Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fox Bros. & Co., 126 Lafayette, New York
**Handlan-Buck Mfg. Co., 210-14 N 3d, St. Louis, Mo.**
**Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.**
**Ingersoll-Rand Co. ("Imperial" Pneumatic Tie Tampers), 11 B'way, New York**
*See adv index at end of book*
**Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.**
**Isele A. W. & Son, 51 Pitt, Boston, Mass.**
**Klein-Logan Co., 13th & Breed, Pittsburgh, Pa.**
Manning Maxwell & Moore, 10 High, Boston, Mass.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
**Plumb Fayette R. (Inc), Tucker & James, Phila., Pa.**
**Railroad Supply Co., 203 S Dearborn, Chicago, Ill.**
**Stanley Rule & Level Co. (Atha Division), New Britain, Conn.**
**Union Drop Forge Co., 358 W Grand av, Chicago, Ill.**
**Verona Tool Works, Oliver bldg, Pittsburgh, Pa.**
**Warren Tool & Forge Co. (Adzes, Chisels, Wrenches, Tongs, Forks, Spike Pullers), Warren, O.**
*See adv index at end of book*
Western Tool & Forge Co., Brackenridge, Pa.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 15771— Tools (Rivet)

California Tool Works, 181 Beale, San Francisco, Cal.
Cleveland Steel Tool Co. (Center-Cut, Side-Cut & Backing Out), 660 E 82nd, Cleveland, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*

## 15772—Tools (Rock Drill Sharpening)

**Evansville Tool Works, Evansville, Ind.**
Ingersoll-Rand Co. (For Drill Steels), 11 B'way, New York
*See adv index at end of book*
International High Speed Steel Co., 99 Nassau, New York

TOOLS (ROCK DRILL SHARPENING)—cont.
**Iron City Tool Works Ltd., 3201 Smallman, Pittsburgh, Pa.**
**Stanley Rule & Level Co. (Atha Division), New Britain, Conn.**

## 15773— Tools (Roofing)

**Belden Machine Co., New Haven, Conn.**
**Cardington Cabinet Co., Cardington, O.**
**Danzer Metal Works (Tinner's, etc), Hagerstown, Md.**
**Delphos Mfg. Co., 1st & Pierce, Delphos, O.**
**Emrich Phil. ("Emrich"), 824 Main, Cincinnati, O.**
International High Speed Steel Co., 99 Nassau, New York
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
**Ohio Roofing Tool Co., Tiffin, O.**

## 15573a— Tools (Saddlers)

Osborne C. S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

## 15774— Tools (Sailmakers')

Stortz John & Son (Peggers & Bodkins, etc), 210 Vine, Phila., Pa.
U. S. Needle Concern, 912 W Madison, Chicago, Ill.

## Tools (Saw)

See Specific Article Required

## 15775— Tools (Scraping)

**Buffum Tool Co. (Bearing), South Side, Louisiana, Mo.**
California Tool Works, 181 Beale, San Francisco, Cal.
**Osborne C. S. & Co. (Scrapers, Carbon & Bearing), Box 183, Newark, N. J.**
*See adv index at end of book*
**STRONG MACHINERY & SUPPLY CO.** Hollow & Flat Ground for Scraping Valves, Journals, Bearings, etc), 21 Walker, New York
*See adv index at end of book*
**Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.**
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.

## 15776—Tools (Screw Machine)

Bowen G. F. Machine Co., Inc., 24 Scott, Newark, N. J.
Brown & Sharpe Mfg. Co., Providence, R. I.
Geometric Tool Co. ("Geometric," Screw Cutting), New Haven, Conn.
Pratt & Whitney Co., Hartford, Conn.
Scott Spencer Automatic Tool Co. (Automatic), 2682 Madison rd, Cincinnati, Ohio
Watson Mfg. Co. (Box Tools), Toledo, O.

## 15776a— *Tools (Shaper)

**Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop-Forged), 31 Richards, Brooklyn, N. Y.** *See adv index at end of book*

## 15776b— Tools (Shell)

**Jersey City Machine Co., 113 Plymouth, Jersey City, N. J.**

## Tools (Ship Carpenters')

See Adze Manufacturers; also Mallets; also Tools, Calking

## 15777—Tools (Shoemakers')

Harrington Cutlery Co., Southbridge, Mass.
Harrington T. J., Southbridge, Mass.
Horn Wm. H. & Bro. ("Diamond," "Crown"), 451 N 2nd, Phila., Pa.
Hyde Mfg. Co., Southbridge, Mass.
Richard Stephen Co., Southbridge, Mass.
Snell & Atherton, Brockton, Mass.
Standard Shoe Machinery Co., Lawrence, Mass.

## 15777a— *Tools (Side)

**Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop-Forged), 31 Richards, Brooklyn, N. Y.**
*See adv index at end of book*

## 15778—Tools (Slaters' & Shingle)

**Ackerman & Johnson, Bangor, Pa.**
**Anderson W. H. Tool & Supply Co., 184 Brush, Detroit, Mich.**
**Belden Machine Co., New Haven, Conn.**
**Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.**
International High Speed Steel Co., 99 Nassau, New York
**Isele A. W. & Son, 51 Pitt, Boston, Mass.**
Logan Machine & Mfg. Co., 222 S Clinton, Chicago, Ill. *See adv index at end of book*
**NIAGARA MACHINE & TOOL WORKS,** Buffalo, N. Y.
*See adv index at end of book*
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans
**Schellenberger C. F., Bldrs.' Exchange Phila., Pa.**
Stortz Jno. & Son (Hammers, Rippers, Stakes, etc), 210 Vine, Phila., Pa.

## 15778a— Tools (Special)

See also Dies, also Gauges, also Jigs & Fixtures
Advance Tool Co., Canal & Jackson, Cincinnati, O.
**American Tool & Mach. Co., 10 High, Boston, Mass.**
Arrow Forging & Tool Works, 31 N Jefferson, Chicago, Ill.
Atcheson Tool & Die Co., Columbus, O.
Boston Scale & Die Co., 100 Ruggles, Boston, Mass.
Bowen G. F. Machine Co., Inc., 24 Scott, Newark, N. J.
**Braunschweiger Bros., Toledo, O.**
**Brehmer F. W. Machine & Tool Co., 815 B'way, Cincinnati, O.**
**Cannon T. J. & Sons Machine Co., Lynn, Mass.**
**Carlson-Wenstrom Co., Inc., 2557 N Sydenham, Phila., Pa.**
**Central Machine Wks., 12th & Tyler, St. Louis, Mo.**
Cincinnati Engineering Tool Co., Winton pl., Cincinnati, O.
**Clark Equipment Co., Buchanan, Mich.**
**Columbus Die Tool & Mach. Co., Cleveland av, Columbus, O.**
**Crescent Tool Co., Jamestown, N. Y.**
Detroit Reamer & Tool Co., 302 E Congress, Detroit, Mich.
Eagle Engineering Co., Springfield, O.
Eagle Mfg. Co., Blue Rock & Turrill, Cincinnati, O.
**Elliott-Cornwall Mfg. Co., 542 Ironston av, Bridgeport, Conn.**
Enterprise Tool Co., E 72nd, Cleveland, O.
**Excelsior Tool & Gauge Co., 429-31 Bagg, Detroit, Mich.**
**Geometric Tool Co., New Haven, Conn.**
Gleason Works, 2000 University av, Rochester, N. Y.
*See qdv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Hinsman Machine & Tool Co., Westfield, Mass.**
**Hoggson & Pettis Mfg. Co., 161 Brewery, New Haven, Conn.**
**Indianapolis Tool & Mfg. Co., Indianapolis, Ind.**
Jackson & Biddle Tool Co., Elkhart, Ind.
Krebs Mfg. Co., 341 E Ohio, Chicago, Ill.
**Lindstrom Die, Tool & Gauge Wks., Bridgeport, Conn.**
Long Adam A. Machine Works, Rochester, N. Y.
**Lucas Machine Tool Co., 524 E 99th, Cleveland, O.**
**McCulloch A. P. Machine Co., 216 High, Boston, Mass.**
**Manhattan Machine & Tool Wks., Grand Rapids, Mich.**
**Mehl Mach. Tool & Die Co., Roselle, N. J.**
**Milford Tool & Engineering Co. (For Munition Makers), Milford, Conn.**
**Modern Tool Co., 300 State, Erie, Pa.**
*See adv index at end of book*
**Mueller Mach. Tool Co., 2427 Colerain, Cincinnati, O.**
National Steel Products Co., Dayton, O.
**Nat'l Tool Co., Cleveland, O.**
*See adv index at end of book*
**Nelson Tool Co., Inc., 781 E 142nd, New York**
New Britain Tool & Mfg. Co., New Britain, Conn.
Newman Manufacturing Co., 542 W Jackson, Chicago, Ill.
*See adv index at end of book*
**Newton Mach. Tool Wks., Inc., 23rd & Vine, Phila., Pa.**
Nielsen & Wilson Tool Co. (For Metal Stamping), Hartford, Conn.
**NORTH SIDE TOOL CO.,** 17-19 Maryland av, Dayton, O.
*See adv index at end of book*
**Otis Machine Wks., Rochester, N. Y.**
**Parker Machine Co., 221 High, Boston, Mass.**
Peerless Machinery Co., 166 N Clinton, Chicago, Ill. *See adv index at end of book*
**Reade Tool & Machine Co., 8 Reade, New York**
**Reliance Steel Tool Co., 24 Murray, New York**
Saal H. G. Co., 1800 Montrose av, Chicago, Ill. *See adv index at end of book*
Spafford Tool Works, Hartford, Conn.
**Springfield Tool Co., 125 Dwight, Springfield, Mass.**
Stierin Machine & Die Works, 625 W Jackson blvd., Chicago, Ill.
**Trumbull F. S., Bridgeport, Conn.**


# The North Side Tool Company

Designers and Builders of

## Tools, Dies, Jigs and Fixtures

17-19 MARYLAND AVENUE

Dayton, Ohio

Willeman Mfg. Co., Inc., 18 Eddy, Providence, R. I.
Windan Tool Co., 1565 E 17th, Cleveland, Ohio
Wirth John D., New Haven, Conn.
Wright Traffic Signal Co., 844 W 6th, Cincinnati, O.

## 15779—Tools (Tanners' & Curriers')

Baker G. W. Machine Co., Wilmington, Del.
Emrich Phil ("Emrich"), 824 Main, Cincinnati, O.
Horn Wm. H. & Bros. ("Diamond," "Crown"), 451 N 3d, Phila., Pa.

## 15780—Tools (Thread Cutting)

See also Tools, Lathe & Planer

Armstrong Bros. Tool Co. ("Armstrong"), 339 N Francisco av, Chicago, Ill.
Conant & Donelson Co. ("Reliable" Screw Cutting), Conway, Mass.
GREENFIELD TAP & DIE CORP. ("G. T. D." Taps, Dies, etc), Greenfield, Mass.
*See adv index at end of book*
Hart Mfg. Co. ("Duplex"), Cleveland, O.
Landis Machine Co., Waynesboro, Pa.
Modern Tool Co. (Self-Opening & Solid Adjustable Die Heads), 300 State, Erie, Pa. *See adv index at end of book*
National Tool Co., Cleveland, O.
*See adv index at end of book*
O. K. Tool Holder Co. ("O. K."), Shelton, Conn.
Pratt & Whitney Co., Hartford, Conn.
Ready Tool Co. ("Red-E"), Bridgeport, Conn
Rivett Lathe & Grinder Co., 2 Brooks, Brighton, Boston, Mass.
Rogers John M. Works ("McCanna's" Patent), Gloucester City, N. J.
Union Tool Co. ("Hill"), Orange, Mass.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Walworth Mfg. Co., Boston, Mass.
Western Tool & Mfg. Co. (Spring & Solid Holder), Springfield, O.
Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop-Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## Tools (Tinners')

See Tools, Plumbers' & Tinners'

## 15780a— *Tools—Tire (Demountable Rim)

See also Tools (Automobile)

Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 15781— Tools (Toy)

Kingsbury Mfg. Co. (Small Garden Tools), Keene, N. H.
Mason & Parker Mfg. Co. (Small Garden Tools), Winchendon, Mass.
Wrightsville Hardware Co. (Penny Toys, Tools, etc), Wrightsville, Pa.

## Tools (Track)

See Tools, Railroad Track

## 15781a— *Tools (Turning)

Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop-Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## 15782— Tools (Turpentine)

Bradley G. W., Axe & Tool Mfg. Co., 119 Leonard, New York
California Tool Works, 181 Beale, San Francisco, Cal.
Evansville Tool Works, Evansville, Ind.
Warren Axe & Tool Co., Warren, Pa.

## 15783—Tools (Turret Lathe)

Cleveland Twist Drill Co., 1 E 49th, Cleveland, O.

## 15784—Tools (Underground Conduit Construction)

Barnard B. S. & Co., 50 Church, New York
Bissell F. Co., Toledo, O.
Cope T. J. ("Cope's"), 1620 Chancellor, Phila., Pa.
Diamond Expansion Bolt Co., 89 West, New York *See adv index at end of book*
Hallett Iron Works, Harvey, Chicago, Ill.
Meckel Fred T., 11 E 13th, Chicago, Ill.
Swett A. L. Iron Works, Medina, N. Y.

## 15784a— Tools (Upholsterers)

Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*

## 15785—Tools (Valve Removing)

Buffum Tool Co. ("Swastika," "Peterson's"), South Side, Louisiana, Mo.
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Goodell-Pratt C., Greenfield, Mass.
New Favorite Mfg. Co., 183 W Maple, Columbus, O.
Republic Auto Parts Co. (For Ford Cars), 81 10th, Long Island City, N. Y.
Syracuse Wrench Co., 352 W Fayette, Syracuse, N. Y.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.
Weeber C. F. Mfg. Co. ("Weeber," for Removing Valves from Gasoline Motors, also for Removing & Placing Tires on Side Ring on Autos), Albany, N. Y.

## 15786—Tools (Valve Reseating)

Abbott Hardware Co. ("Abbott"), 636 Columbus av, New York
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
G. B. Garage & Mfg. Co. ("G. B."), Hempstead, N. Y.
Noonan A. S. Tool & Machine Works, Rome, N. Y.
Powell Wm. Co. ("Powell"), Cincinnati, O.
*See adv index at end of book*
Rub-On Mfg. Co. ("Crone"), 216 Niagara, Buffalo, N. Y.
Skinner M. B. Co. ("Skinner"), 562 W Washington, Chicago, Ill.

## 15787— Tools (Watchmakers' & Jewelers')

Bullock Mfg. Associates, Springfield, Mass.
Chicago Watch Tool Co., 1956 Grand av, Chicago, Ill.
Coats Fred R., Springfield, Ill.
Danzis G., 47 Ann, New York
Derbyshire F. W. (Lathes, Chucks & Attachments), Waltham, Mass.
Dixon Wm., 39 John, New York
Gesswein F. W. Co., 16 John, New York
Gesswein Paul H. & Co. (Jobbers), 35 Maiden la, New York
Hardinge Bros., 4203 Ravenswood av, Chicago, Ill.
Job Frederick, Wilkes-Barre, Pa.
Kendrick-Davis Co., Lebanon, N. H.
Koch Alfred S. & Sons, Lancaster, Pa.
Langelier Mfg. Co., Arlington, Providence, R. I.
McWilliams Thos., 237 Eddy, Providence, R. I.
Mann Chas. A., 166 Doyle av, Providence, R. I.
Morgan Edward Machine Co., 35 Vesey Newark, N. J.
Moseley Lathe Co., Elgin, Ill.
Sloan & Chase Mfg. Co., 351 6th av, Newark, N. J.
Standard Machinery Co., Providence, R. I.
STARRETT L. S. CO. (THE), Athol, Mass.
*See adv index at end of book*
Thurston Mfg. Co. ("Thurco"), 140 Benedict, Providence, R. I.
Van Doren Mfg. Co. ("Vandor"), Chicago Heights, Ill.
Worthington & Raymond (Imp.) ("Optimus," "W & R"), 71 Murray, New York

## Tools (Well Drilling)

See Well Drilling Machinery

## 15788—Tools (Wire Splicing)

Smith Otis A. (For Splicing Wire Fence, Telephone Wire, etc), Rockfall, Conn.

## 15789—Tools (Wood Carving)

Braunsdorf-Mueller Co., Elizabeth, N. J.
Buck Bros., Millbury, Mass.
Cassell Fred, Grand Rapids, Mich.
Mack & Co. ("D. R. Barton," "Addis" Style), Rochester,, N. Y.
Millers Falls Co., 28 Warren, New York
Porter C. O. Mach'y Co., Grand Rapids, Mich. *See adv index at end of book*

## 15790—Tools (Wood Turning)

Buck Bros., Millbury, Mass.
Carroll Jamieson Mach. Tool Co., Batavia, Ohio
Oliver Machinery Co. (For Pattern Work), Grand Rapids, Mich.
Oliver W. W. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Swan Jas. Co. (Parting), Seymour, Conn.

## Tools (Woodworkers')

See Specific Article Required

## 15791— Tools (Yarning)

See also Tools, Calking

Buffum Tool Co. ("Swastika"), South Side Louisiana, Mo.
Mueller H. Mfg. Co., Decatur, Ill.
Plomb Tool Mfg. Co. (Irons), 2209 Santa Fe av, Los Angeles, Cal.
S. & I. Company ("Never-Break"), Springfield, Mass.
Van Doren Mfg. Co. ("Vandor"), Chicago, Heights, Ill.

## 15791a— Tooth Paste

Boroseptic Chemical Co., 1415 11th av, So. Minneapolis, Minn.
Colgate & Co,, 105 Hudson, Jersey City, N. J.
Lehn & Fink ("Pebeco"), 120 William, New York
White S. S. Dental Mfg. Co., 12th & Chestnut, Phila., Pa

## 15792— Tooth Pick Mfrs.

Berst Mfg. Co., Saginaw, Mich.
BOGERT & HOPPER, INC., 57 Barclay, New York. *See adv index at end of book*
Crunden-Martin Mfg. Co. ("Maple Leaf"), 2d & Gratiot, St. Louis, Mo.
Cutter-Tower Co., 326 B'way, New York
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*

Established 1847
E. B. ESTES & SONS
Manufacturers and Importers of
TOOTHPICKS
Clothespins, Meat & Candy Skewers
364 5th Ave. New York City

Forster Mfg. Co., Dixfield, Me.
Gem Toothpick Co., Adrian, Mich.
Hale-Boardman John M., Inc., 120 Liberty, New York
Peirce W. E. & Co., Milford, N. H.
Perfection Mfg. Co., River Rouge, Mich.

## 15792a—*Top Material (Motor Car)

Chase L C. & Co. ("Drednant," "Wexford"), 89 Franklin, Boston, Mass.
*See adv index at end of book*

CHASE DREDNAUT Motor Topping

## 15793—Tops (Automobile & Vehicle)

American Auto Top Mfg. Co., 1451 Washington blvd, Chicago, Ill.
American Top Co., Jackson, Mich.
Amesbury Top Co., Amesbury, Mass.
Anchor Top & Buggy Co., C., H. & D. Ry nr Gest, Cincinnati, O.
Anderson F. W. & Co., 1419 Montrose, Phila., Pa.
Armstrong-Johnston Mfg. Co. (Auto Truck Tops), Columbus, O.

TOPS (AUTOMOBILE & VEHICLE)—cont.

Aronoff Jos J., Trenton, N. J.
Auto Top Mfg. Co., 425 Golden Gate av, San Francisco, Cal.
Automobile Equipment Co., Detroit, Mich.
Baltimore Buggy Top Co., 113 W Mount Royal av, Baltimore, Md.
Bauer Bros. Mfg. Co., Richmond & Carr, Cincinnati, O.
Bayless Vehicle Top & Trimming Co., Kansas City, Mo.
Bohnet Jno. & Co., Lansing, Mich.
Boston Auto Top Co., 100 Massachusetts av, Boston, Mass.
Brunn & Co., 988 Ellicott, Buffalo, N. Y.
Buob & Scheu 216 Webster, Cincinnati, O.
California Auto Top Co., 1019 Van Ness, San Francisco, Cal.
Chanslor & Lyon Co., Los Angeles, Cal.
Christie Alex. & Co., Seattle, Wash.
Cincinnati Auto Specialty Co., 420 Elm, Cleveland, Ohio
Cleveland Auto Top & Trimming Co., 2084 E 22d, Cleveland, O.
Copp Geo. W., Inc., 355 W 52nd, New York
Cretors J. B., St. Paris, O.
Detroit Carriage Goods Co., 288 E Jefferson, Detroit, Mich.
Detroit Weatherproof Body Co., Pontiac, Mich.
Dunham D. B. & Son, Newark, N. J.
Everitt Bros., 669 Mack av, Detroit, Mich.
Faeth Iron Co. (Vehicle Only), 1125 N 8th, Kansas City, Mo.
Fisher Auto Top Co., Norwalk, O.
Gates Mfg. Co., Indianapolis, Ind.
Goshen Buggy Top Co., Goshen, Ind.
Haskelite Mfg. Corp., 129 B'way, New York
Hill Mfg. Co., 23 Fuller, Buffalo, N. Y.
Holcker-Elberg Mfg. Co., Kansas City, Mo.
Hughes & Curran Co., Inc., Rochester, N. Y.
Indianapolis Dash Co., 2116 S Meridian, Indianapolis, Ind.
Johnson & Johnson, 422 E Saratoga, Baltimore, Md.
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
Kreidler Auto Top Co., Trenton, N. J.
Kroh C. Z. Mfg. Co., Toledo, O.
Lincoln Auto Top Co., Lincoln, Neb.
London Auto Supply Co., 2540 S Wabash av, Chicago, Ill.
Luth Carriage Co., 1275 Budd, Cincinnati O.
McClellan Chas. P., Fall River, Mass.
McKinney Jas. & Son (Steel), Albany, N.Y.
Martin Auto Specialty Co. ("Martin"), Lancaster, Ohio
Meyer C. G. & Son, Tiffin, O.
Michigan Steel Boat Co., Kercheval & Connors, Detroit, Mich.
Mobile Top Co., 16 Seldon, Detroit, Mich.
One Hand Auto Top Co., 74 E Jewett av, Buffalo, N. Y.
Racine Auto Top Co., Racine, Wis.
Racine Generals Mfg. Co. (Jobbers), Racine, Wis.
Reardon J. J., Amesbury, Mass.
Rebecka & Smith, Cleveland, O.
Richards Albert J., 632 W Jefferson, Louisville, Ky.
Roth Cadillac Co., Erie, Pa.
Shugers Mfg. Co., Los Angeles, Cal.
Sieg Co., Davenport, Ia.
Sioux City Auto Top Co., Sioux City, Ia.
Smith H. Lund, Paterson, N. J.
Springfield Auto Top & Upholstering Co., Springfield, Mass.
Springfield Body Co., Springfield, Mass.
Standard Top & Equipment Co., 1849 E 65th, Cleveland, O.
Sterling Top & Equipment Co., 518 W 57th, New York
Teel Eldridge & Co., Medford, Mass.
Troy Carriage Sun Shade Co., Troy, O.
Vehicle Top & Supply Co., 3414 Lindell av, St. Louis, Mo.
Wadsworth Mfg. Co., Kercheval & Connors Creek
Wadman C. G., Bakersfield, Cal.
Warner Pole Top Co., 1648-50 Central av, Cincinnati, O.
Weiss Charles & Son, 4715 Cottage Grove av, Chicago, Ill.
West's L. M. Sons, Rockford, Ill.
Wisconsin Auto Top Co., Racine, Wis.

## 15793a— *Tops (Bird Cage)

Bogert & Hopper Inc. (Wood), 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 15794—Tops (Blast Furnace)

Brighton Fire Brick Co., New Brighton, Pa.
Weimer Machine Works Co., Lebanon, Pa.

## 15795— Tops (Cistern)

Treaty Co., Greenville, O.
Wagner Mfg. Co., Cedar Falls, Ia.

## 15795a— Tops (Cork)

BOGERT & HOPPER INC. (Ink, Shoe Dressing, etc), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Redlick Mfg. Co. (Also Wooden), 637-647 W Oak, Chicago, Ill.
*See adv index at end of book*

## 15796— Tops (Furniture)

Alberene Stone Co. (Tops for Laboratory Tables), 223 E 23d, New York
Bartlestone Bros. (Glass), 1170 Broadway, New York
Chicago Mirror & Art Glass Co., 216 N Clinton, Chicago, Ill.
Donnelly-Kelley Glass Co., Holland, Mich.
Enamel Products Co. (Enameled Table Tops), Eddy rd & Taft av, Cleveland, Ohio
Epstein Samuel (Inc), (Glass), 109 8th av, New York
Fair Haven Marble & Marbleized Slate Co. (Marble), Fair Haven, Vt.
Feinberg & Feinberg (Glass), 433 W 42d, New York
Ingram-Richardson Mfg. Co. (Porcelain Enameled For Kitchen Cabinets & Table, "Porcelion"), Beaver Falls, Pa.
*See adv index at end of book*
Klaber A. & Sons (Glass), Long Island City, N. Y.
Lafayette Mirror Co. (Glass), 173 Grand, New York
Naughton Marble Co. (Laboratory Table Tops), 64 W Grand, Chicago, Ill.
Nelson N. O. Marble Co., Edwardsville, Ill.
Pa. Structural Slate Co. (Table), Drake bldg, Easton, Pa.
Plastone Co. (Table), Los Angeles, Cal.
Porcelain Enamel & Mfg. Co. (Porcelain Enamel Table), 8th & O'Donnell, Baltimore, Md.
Rawle M. Co., Inc. (Glass), 796 7th av, New York
Townsend Wm. C. & Co. (Marble), Zanesville, O.
Viterous Enameling Co. (Enameled Table Tops), Grant av, Cleveland, O.
*See adv index at end of book*

## 15797—Tops (Hot Air Furnace)

Steele Wilbur S. Co. ("Peerless"), Hartford, Conn.

## 15798—Tops (Molasses Jug)

Ohio Lantern Co. (Tin & Nickel Plated), Tiffin, O.

## 15799— Tops (Pilot House)

Porter Co., 241 Water, New York

## 15800— Tops (Pole)

(For Arc Lamps & Electric Railway Poles)
Cutter Geo. Co. (Arc Lamp), South Bend, Ind.
Electric Railway Equipment Co., Cincinnati, Ohio
Fletcher Mfg. Co., Dayton, O.,
Line Material Co. (Arc Lamp), S Milwaukee, Wis.

## 15801— Tops (Spinning)

BOGERT & HOPPER INC. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Stevenson Mfg. Co. (Boys, etc), South Bend, Ind. *See adv index at end of book*
Townsend Co. (Points), New Brighton, Pa.

## 15801a— Tops (Table)

Alberne Stone, 223 E 23d, New York
INGRAM-RICHARDSON MFG. CO. (And Kitchen Cabinet Porcelion), Beaver Falls, Pa.
*See adv index at end of book*
Pennsylvania Structural Slate Co., Easton, Pa.
Vitrolite Co., Chamber of Commerce bldg, Chicago, Ill. *See adv index at end of book*

## 15802— Tops (Tin, Screw)

Deverall Perfection Mfg. Co., Caton av, Brooklyn, N. Y.
Ohio Lantern Co. (Sugar Shaker, Salt & Pepper, etc, Nickel Plated), Tiffin, O.
Wheeling Stamping Co. (Also Aluminum Brass, etc), Wheeling, W. Va.

## 15803— Torches (Alcohol)

See also Furnaces, Gasoline Blast
Ashton Mfg. Co. ("Red Hot"), 184 Emmet, Newark, O.
Bernz Otto ("Always Reliable"), 17-27 Ashland, Newark, N. J.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Diener G. W. Mfg. Co., 400 Monticello av, Chicago, Ill.
Glogau & Co., 466 Dickey bldg, Chicago, Ill.
Hess & Son, Watkins bldg, Phila., Pa.
Knapp Mfg. & Supply Co. (Self-Acting), 241 Water, New York
Roberts H. C. Electric Supply Co., 11th & Race, Phila., Pa.
Turner Brass Works, Sycamore, Ill.

## 15804— Torches (Brazing)

See also Blow Pipes & Brazing Apparatus
Anthony Co., 9 Jackson av, Long Island City, N. Y.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 15805—Torches (Campaign)

Smith of N. Y. Co., 1 Franklin sq., New York

## 15806—Torches (Car Inspectors')

GEM MFG. CO. ("Gem"), Goebel nr Fulton, N S, Pittsburgh, Pa.
*See adv index at end of book*
Rochester Can Co. ("Iron Horse"), Rochester, N. Y.
*See adv index at end of book*

## 15807— Torches (Cast Iron)

Forest City Foundry & Mfg. Co., 2202 Elm av, Cleveland, O.

## 15807a—Torches (Cupola Lighting)

Anthony Co., 9 Jackson av, Cincinnati, O.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
MACLEOD CO., 2227 Bogen, Cincinnati, O. *See adv index at end of book*

## 15808— Torches (Electric)

Bogart A. L. Co., 55 Barclay, New York

## 15809—*Torches (Engineers')

See also Torches, Hand
Garrett W. D. & Co., 126 Liberty, New York
GEM MFG. CO. ("Gem" Brazed Steel), Goebel nr Fulton N S, Pittsburgh, Pa.
*See adv index at end of book*

## 15810—Torches (Factory & Mine)

American Stamping & Mfg. Co., Park bldg, Pittsburgh, Pa.
American Stove Co. ("Reliable" Oil & Vapor), 827 Chouteau, St. Louis, Mo. Cleveland, O.

**GEM MFG. CO.** ("Gem," "Pyramid" Heavy Brazed Steel), Goebel nr Fulton N S, Pittsburgh, Pa.
*See adv index at end of book*

**Hauck Mfg. Co., 101 11th, Brooklyn, N. Y.**
**Turner Brass Works, Sycamore, Ill.**
**Wall P. Mfg. Supply Co. (Brazed Steel),** 705 Preble av N S, Pittsburgh, Pa.

## 15810a—Torches (Gas Blow)

Improved Appliance Co., 413 Kent av, B'klyn, N. Y.
MacLeod Co., 2227 Bogen Cincinnati, O.
*See adv index at end of book*
Naab Manufacturing Co., 5904 Carnegie av, Cleveland, O.
North American Mfg. Co., 5904 Carnegie av, Cleveland, O.

## 15810b—Torches (Gas, Electric, Blow)

**Anthony Co., 9 Jackson av, Long Island** City N. Y.
Naab Manufacturing Co., 5904 Carnegie av, Cleveland, O.
North American Mfg Co. ("Flameblast"), 5904 Carnegie av, Cleveland, O.

## 15811—Torches (Gas Lighting)

**Houchin Thos W. Co., 36 E 12th, New York**

## 15812—Torches (Gasoline Blow)

**See also Furnaces, Gasoline Blast**

Advance Tool Mfg. Co., Grand Central Terminal, New York
Allen L. B., Inc., 4519 N Lincoln, Chicago, Ill.
American Stove Co. ("Reliable," "Dangler," "Quick Meal," "Jewell"), 827 Chouteau av, St. Louis, Mo
**Ashton Mfg. Co. ("Red Hot"), 184 Emmet, Newark, N. J.**
Baker J. R. & Sons Co., Kendallville, Ind.
Bernz Otto ("Always Reliable," "Vulcan" & "Galloway"), 17-37 Ashland, Newark, N. J.
**Best Light Co., 477 2d N E, Canton, O.**
Boekel Wm. & Co., 518 Vine, Phila., Pa.
Bridgeport Brass Co. ("Vulcan," "Queen"), Bridgeport, Conn.
**Carleton Co. (Imp. Gasoline Torch), 170** Summer, Boston, Mass.
Clayton & Lambert Mfg. Co, 1370-80 Beaubien, Detroit, Mich.
Decker Mfg. Co ("Phoenix"), 251 Elm, Newark, N. J.
**Diener Geo. W. Mfg. Co. ("Torrid", Kerosene and Gasolene), 400 Monticello** av, Chicago, Ill.
Emmelman Bros. Mfg. Co. (Gasoline Soldering Iron & Blow Torch), Indianapolis, Ind.
**Garrison Brass & Mach. Works (Kerosene** & Gasoline Torches & Furnaces), 107 W 13th, New York
**Geforer C. & Son, 1017 Ridge, Phila., Pa.**
**Globe Gas Light Co. ("Barthel"), 25** Union, Boston, Mass.
Hine-Watt Mfg. Co. ("Marion"), 180 N Market, Chicago, Ill
Knapp Mfg. & Supply Co., 241 Water, New York
McGill Mfg. Co. ("McGill's Baby" Pumpless), 77 Oak, Valparaiso, Ind.
*See adv index at end of book*
**MacLeod Co. ("Buckeye"), 2227 Bogen,** Cincinnati, O. *See adv index at end of book*
Peabody Henry W. & Co. ("American"), 17 State, New York
**Quadriga Mfg. & Specialty Co. ("Walters"), 213 W Grand av, Chicago, Ill.**
*See adv index at end of book*
Ridgely Trimmer Co., Springfield, O.
Smith of N. Y. Co. (Plumbers'), 1 Franklin, New York
**Sun Vapor & Gas Street Light Co., Canton, O.**
**Turner Brass Works ("Hot Blast," "Bull Dog," "Franklin," "Kinzie," "Jewell," "Mogul," "Old Reliable," "Champion," "Double Jet"), Sycamore, Ill.**
**Volcano Torch & Mfg. Co., Erie, Pa.**
**Wall P. Mfg. Supply Co. (Dreadnaught** Gasoline Torch), 705 Preble av, Pittsburgh, Pa.
Wolff Mfg. Co. L., 601 W Lake, Chicago, Ill.

## 15813— Torches (Hand)

Anthony Co., 9 Jackson av, Long Island City, N. Y.
Ashton Mfg. Co., 184 Emmett, Newark, N. J.
Dayton Malleable Iron Co. (Made Entirely of Malleable Iron), Dayton, O.
**Deverall Perfection Mfg. Co., Caton av,** Brooklyn, N. Y.
Dressel Railway Lamp Works (Engineers' Track, Wipers', Boilermakers', Car Inspectors, etc), 3860 Park av, New York
Eagle Mfg. Co. (Locomotive, etc), Wellsburg, W. Va.
**GEM MFG. CO.** ("Gem," Heavy Brazed Steel), Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*
Gray Peter & Sons, 286 Third East, Cambridge, Mass.
Hammer & Co. (Malleable Iron), Branford, Conn.
**Hauck Mfg. Co., 101 11th, Brooklyn, New** York
Johnson Mfg. Co. (Locomotive, etc), Urbana, O.
Knapp Mfg. & Supply Co. (Locomotive, etc), 241 Water, New York
Mahr Mfg. Co., 1300 N E Quincy, Minneapolis, Minn.
Noera Mfg. Co. (Inspectors' & Locomotive), Waterbury, Conn.
Rochester Can Co. ("Iron Horse"), Rochester, N. Y
*See adv index at end of book*
Wall P. Mfg. Supply Co. (Brazed Steel, Pyramid Chain, Top Burner & Factory), 705 Preble av, Pittsburgh, Pa.
Walters Mfg. Co. ("M. & I." Sheet & Brazed Steel), Fulton bldg, Pittsburgh, Pa.

## 15814—Torches (Kerosene Blow)

Advance Tool Mfg. Co., Grand Central Terminal, New York
Anthony Co., 9 Jackson av, Long Island City, N. Y.
**Ashton Mfg. Co., 184 Emmet, Newark, N. J.**
Bernz Otto ("Always Reliable"), 17-37 Ashland, Newark, N J.
Clayton & Lambert Mfg. Co., 1370-80 Beaubien, Detroit, Mich.
Globe Gas Light Co. ("Barthel"), 25 Union, Boston, Mass.
Hauck Mfg. Co., 101 11th, Brooklyn, New York
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Naab Manufacturing Co., 5904 Carnegie av, Cleveland, O.
**North American Mfg. Co., 5904 Carnegie** av, Cleveland, O.
Otto William G. Metal Goods Corp. ("Rhotal"), 401 St. Paul av, Jersey City, N. J.
St. Paul Welding Mfg. Co., 173 W 3rd, St. Paul, Minn.
**Turner Brass Works ("Hot Blast"), Sycamore, Ill.**
**Walters Mfg. Co., Fulton bldg, Pittsburgh, Pa.**

## 15814a—*Torches (Lead Burner)

**MacLeod Co., 2227 Bogen, Cincinnati, O.**
*See adv index at end of book*

## 15815— *Torches (Locomotive)

**See also Torches, Hand**

When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER

**GEM MFG. CO.** ("Gem" Heavy Brazed Steel), Goebel, nr Fulton, N S, Pittsburgh, Pa. *See adv index at end of book*

## 15816—Torches (Malleable Iron)

Dayton Malleable Iron Co., Dayton, O.
Hammer & Co., Branford, Conn.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.

## 15816a—Torches (Oil)

**ANTHONY CO.,** 9 Jackson av, Long Island City, N. Y.

## 15816b—Torches (Oil, Electric, Blow)

Naab Manufacturing Co., 5904 Carnegie av, Cleveland, O.
North American Mfg. Co., 5904 Carnegie av, Cleveland, O.

## Torches (Plumbers')

**See Torches, Various Kinds**

## Torches (Shop)

**See Torches, Hand**

## 15817— Torches (Wall)

Ashton Mfg. Co. ("Red Hot" Gasoline), 184 Emmet, Newark, N. J.
Clayton & Lambert Mfg. Co. (Or Banjo, Gasoline, Illuminating), 1370-80 Beaubeen av, E. Detroit, Mich.
Detroit Foundry Co. ("Sun"), 1 E. Gd Bvd. & Propelli.

## 15818— Torpedoes

Backes M. Sons, Wallingford, Conn.
Clarendon Torpedo Co., Titusville, Pa.
Hall's Ellis Sons Co., Oil City, Pa.
Hunt Edmund S. & Sons Co., Weymouth, Mass.
Kohler Die & Specialty Co., De Kalb, Ill.
Marietta Torpedo Co. (Nitro-Glycerine, for Shooting Oil, Gas & Water Wells), Marietta, O.
Ohio Torpedo Co. (Nitro-Glycerine, For Shooting Oil Wells, etc), Steubensville, O.
Producers Torpedo Co., Marietta, O.
Southern Torpedo Co., Parkersburg, W. Va.

## 15819— Torpedoes (Aerial)

Maxim Munitions Corp., Equitable bldg, **New York**

## Torpedoes (Oil & Gas Well)

**See Torpedoes**

## 15820— Torpedoes (Toy)

Backes M. Sons, Wallingford, Conn.
Hunt Edmund S. & Sons Co., Weymouth, Mass.
Kohler Die & Specialty Co., De Kalb, Ill.

## 15821—Torpedoes & Fuses (Railway Signal)

Central Railway Signal Co. ("Danger," Torpedoes & Fuses), First National Bank bldg, Pittsburgh, Pa.
Jackson's Sam'l Sons, 1129 S 15th, Phila., Pa.
Sherburne & Co., 53 Oliver, Boston, Mass.
Townsend Co. (Points), New Brighton, Pa.

## 15821a— Tourills (Acid Proof)

General Ceramics Co., 50 Church, New York.
Knight Maurice A., Akron, O.

## 15821b— Tourmalines

**DIAMOND DRILL CARBON CO.**, 59 Park Row, New York

## 15822— Tow

Amerlin Co. (Flax) Yale, Mich.
Blehdon V. R. (Upholstery, Cordage & Twine), Brisbane bldg, Buffalo, N. Y.
Boston Excelsior Co., 562 W. 29th, New York
Fairwater Hemp Co., Fairwater, Wis.
Gay David S. (Rough & Dressed), Winchester, Ky.
Keogh John W. & Co., 133 W. Washington, Chicago, Ill.
Minnesota Fibre Co. (Flax), Heron Lake, Minn.
Northern Insulating Co. ("Quality Tow for Upholstery), St. Paul, Minn.
Philadelphia Excelsior Co., 716 N 3d, Phila., Pa.
Robinson & Jans (Flax), Winthrop, Minn.
**Spears E. F. & Sons (Rough, Dressed & Carded), Paris, Ky.**
Whitney H. W. 305 La Salle, Chicago, Ill.

## 15822a—Tow Lines (Automobile)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Macomber & Whyte Rope Co. ("Mac Whyte") Kenosha, Wis.
Reliance Co. (Steel), 415 S Sangamon, Chicago, Ill.
Wickwire Spencer Steel Corp. ("Excelsior"), Worcester, Mass.
*See adv index at end of book*

## 15823— Towel Bars & Shelves (Plate Glass)

Anderson Geo. H. & Co., 1467 W Austin av, Chicago, Ill.
Eustes J. P. Mfg. Co. ("Brasscrafters"), Cambridge, Mass.
Graham & Berwin, 107 Lafayette, New York

## 15824— Towels (Cotton)

Avon Mills Co., Lewiston, Me.
California Cotton Mills Co., Oakland, Cal.
Cannon Mfg. Co., Concord, N. C.
Cash J. & J. (Ltd.) (Bath), So. Norwalk, Conn.
Cedar Grove Mfg. Co. (Sponge Cloth), 65th av & 21st, Phila., Pa.
Chautauqua Towel Mills, Jamestown, N. Y.
Cochran Cotton Mills Co. (Also Toweling), Cochran, Ga.
Franklin Mills Corp. (Plain & Hemstitched), Unionville, Mass.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Globe Mfg. Co. (Toweling), Gaffney, S. C.
Gordon Supply Co., 537 Albany, Boston, Mass.
Greenalgh Brothers (Roller Toweling), 2218 Martha, Phila., Pa.
Irene Mills (Jacquard), Gaffney, S. C.
Kincaid Mfg. Co., Griffin, Ga.
Lockport Textile Co., Lockport, N. Y.
Lowell Textile Co., No. Chelmsford, Mass.
McArthur Geo. & Son (Crash), Baraboo, Wis.
Muscogee Mfg. Co., Columbus, Ga.
Pepperton Cotton Mills (Also Toweling), Jackson, Ga.
Piedmont Cotton Mills Co., Egan, Ga.
Roanoke Mills Co., Roanoke Rapids, N. C.
Spencer Mountain Mills (Bleached Damask), Lowell, N. C.
Stark Mills (Toweling), Manchester, N. H.
Ufford Frank M. (Bath Towels & Toweling), Norwich, Conn.
Union Cotton Mills, Lafayette, Ga.
Woodstock Cotton Mills, Anniston, Ala.

## 15825— Towels (Crash)

Dundee Mills (Linen), Hookset, N. H.
Franklin Mills Corp., Unionville, Mass.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Globe Mfg. Co. (Toweling), Gaffney, S. C.
Kincaid Mfg. Co., Griffin, Ga.
Lockport Textile Co. (Linen & Cotton), Lockport, N. Y.
Lowell Textile Co., No. Chelmsford, Mass.
McArthur Geo. & Son (Cotton & Linen), Baraboo, Wis.
Meredith Linen Mills (Linen Crash Toweling), 79 N Milk, Boston, Mass.
Millbrook Linen Works, Inc. (Linen Crash Toweling), Millbury, Mass.

## 15826— Towels (Huck)

Chautauqua Towel Mills (Cotton), Jamestown, N. Y.
Lowell Textile Co. (Union), No. Chelmsford, Mass.
Niagara Textile Co. (Also Toweling), Lockport, N. Y.

## 15827— Towels (Knitted)

**San-Knit-ary Textile Mills, 10th & Diamond, Philadelphia, Pa.**

## 15828— Towels (Linen)

Avon Mills Co., Lewiston, Me.
Cannon Mfg. Co., Concord, N. C.
Dundee Mills, Hookset, N. H.
Franklin Mills Corp. (Plain Hem & Hemstitched), Unionville, Mass.
Granite Linen Co., Wortendyke, N. J.
Lockport Textile Co., Lockport, N. Y.
Lowell Textile Co., No. Chelmsford, Mass.
McArthur Geo. & Son (Crash), Baraboo, Wis.
Meredith Linen Mills (Linen Crash Toweling), 79 Milk, Boston, Mass.
Millbrook Linen Works, Inc. (Crash Toweling), Millbury, Mass.
Stevens Linen Works (Linen Crash Toweling), Webster, Mass.

## 15828a— *Towels (Machinery)

**OIL & WASTE SAVING MACHINE CO.** Real Estate Trust Bldg, Philadelphia, Pa. *See adv index at end of book*

Oil & Waste Saving Machine Co.
PHILADELPHIA, PA.
Oil Reclaiming Machines
Waste Reclaiming Machines
Chip Separators, Oil Filters

## 15829— Towels (Paper)

A. P. W. Paper Co., Albany, N. Y.
Baum Bros. Co., Denver, Col.
Burnitol Mfg. Co., Orient av, Boston, Mass.
Clifton Chemical Co., 317 Greenwich, New York
Continental Paper Bag Co., 17 Battery pl, New York
Erving Paper Mills, Erving, Mass.
Ewing H. Norwood Co, Woolworth bldg., New York.
Hollingsworth & Vose Co. ("Norfolk"), 141 Milk, Boston, Mass.
Hults Elsworth H. Inc, 218 Walnut, Phil., Pa.
National Paper Products Co., San Francisco, Cal.
Northern Paper Mills, Green Bay, Wis.
Paper Goods Mfg. Co., 925 Penn. av, Pittsburgh, Pa.
Paper Service Co., Hinsdale, N. H.
**Peerless Mfg. Co., Norristown, Pa.**
Premier Paper Co., 260 B'way, New York
Progressive Paper Products Co., 238 4th **av, Pittsburgh, Pa.**
**Pick Albert & Co., 212 W Randolph, Chicago, Ill.**
Sanquoit Tailet Paper Co., Hartford, Conn.
Scott Paper Co., Chester, Pa.
Stone & Forsyth Co., 67 Kingston, Baston, Mass.
Tuttle Press Co. ("Dr. Whedon's" Sanitary), Appleton, Wis.
**UNION PAPER & TWINE CO., ("Driquick"), 125 St. Clair av, N W, Cleveland, O., & 538 Brisbane bld, Buffalo, N. Y.** *See adv index at end of book*
United States Paper Mills, Chambersburg, Pa.
**Vestal Liquid Soap & Disinfectant Co. (Public Service) 1121 Pine, St. Louis, Mo.**
Wayne Paper Goods Co. ("Sani-Paper"), Ft. Wayne, Ind.
West Disinfecting Co. (Westowl), 411 5th av, New York
Wortendyke Mfg. Co., ft 13th, Richmond, Va. *See adv index at end of book*

## 15830— Towels (Turkish)

Blair Mills, Belton, S. C.
Chatauqua Towel Mills, Jamestown, N. Y.
**Colonial Towel Mfg. Co., Clifton Heights, Pa.**
Falconer Towel Mills, Falconer, N. Y.
Foster Louis H., D & Tioga, Philadelphia, **Pa.**
Great Barrington Mfg. Co., Great Barrington, Mass.
Greenhalgh Brothers, 2218 Martha, Phila., Pa.
Holt Mfg. Co., Paterson, N. J.
Jamieson's D. Sons, Trenton & Sargent, Phila., Pa.
Kershaw John W. Co., 1734 N. 5th, Phila., Pa.
Kershaw Nelson, Clifton Heights, Pa.
Lafayette Mills Co., Howard & Lehigh av, Phila., Pa.
McArthur Geo. & Son, Baraboo, Wis.
Margerison W. H. & A. E. & Co., Jasper **& Huntington, Philadelphia, Pa.**
Neuberger Fred'k & Co., Paterson, N. J.
Rajah Mfg. Co., Jasper & Huntington, Phila., Pa.
Standard Towel Co., Newton, N. J.
Star & Crescent Co., Lehigh av & Hancock, Phila., Pa.
Ward-Meehan Co., Lehigh av & Howard, Phila., Pa.
Welch A. P. Co., Glen Riddle, Pa.
Woodstock Cotton Mills (Bath), Anniston, Ala.

## 15831— Towels (Union)

Chautauqua Towel Mills, Jamestown, N. Y.
**Franklin Mills Corp., Unionville, Mass.**
**Lowell Textile Co., N Chelmsford, Mass.**

## 15831a— *Tower Sheaves

Lakewood Engineering Co., Cleveland, O. *See adv index at end of book*

## 15831b— Towers (Acid)

**ACME TANK CO.**, 43 Cortlandt, New York *See adv index at end of book*
Acid Proof Iron Products Co. Inc, 49 Herman, Newark, N. J.
Chemical Constr. Co, Charlotte, N. C.
Duriron Castings Co, Dayton, O.
**General Ceramics Co., 50 Church, New York**
Kalbperry Corp, 31 Union sq, New York
Knight Maurice A., Akron, O.
Stearns A. T., Lumber Co, 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Thermal Syndicate Ltd, 50 E. 41st, New York
Walsh & Weidner Boiler Co, Chattanooga, Tenn.
Weber Chimney Co, 1454 McCormick bldg, Chicago, Ill.

Paper Towels and Drinking Cups
We specialize on the requirements of manufacturers for Sanitary Paper Specialties, Paper Drinking Cups, Paper Towels and Toilet Paper.
GET OUR SAMPLES AND QUOTATIONS
The Union Paper & Twine Co., 125 St. Clair Ave., N. W., Cleveland

## Towers (Bell & Observation)

See Tanks & Towers, Steel

## 15832—Towers (Cement Cooling)

Hart B Franklin, Jr. & Co, 50 Church, New York
United Iron Works Inc., Kansas City, Mo.

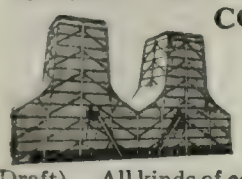
## 15832a— Towers (Chemical)

See also Towers (Acid)

Thermal Syndicate Ltd (Fused Silica) 59 E 41st, New York

## 15833—*Towers (Combined Forced & Natural Draft Cooling)

Cooling Tower Co. Inc. (Atmospheric), 15 John, New York
Wheeler Condenser & Engineering Co., Carteret, N. J.
*See adv index at end of book*

COOLING TOWERS

We build the well-known Wheeler-Balcke Cooling Towers (Natural Draft), also Wheeler-Barnard Cooling Towers (Forced Draft). All kinds of condensing equipment.

WHEELER CONDENSER & ENGINEERING CO.
Carteret, New Jersey


**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York
*See adv index at end of book*

## 15833a—Towers (Denitrating)

Chemical Constr Co, Charlotte, N. C.
Kalbperry Corp, 31 Union sq, New York
Thermal Syndicate Ltd (Fused Silica) 59 E. 41st, New York

## 15833b—*Towers (Forced Draft Cooling)

Cooling Tower Co., Inc., 15 John, New York
**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York
*See adv index at end of book*

## 15834—Towers (Hoisting, for Coal & Ore)

See also Coal & Ore Handling Machinery

**CALUMET IRON WORKS**, 3 Hyatt av, Newark, N J.
*See adv index at end of book*
**Hunt C. W. Co., West New Brighton, N. Y.**
*See adv index at end of book*
**LINK-BELT CO.**, 329 W. 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
**Mead-Morrison Mfg. Co., c Prescott & Orleans, East Boston, Mass.**
**Milholland J. & J. B. Co., 714 5th av, Pittsburgh, Pa.**
**ROBINS CONVEYING BELT CO.**, 13 Ann, New York
*See adv index at end of book*

## 15835—Towers (Hoisting, for Concrete)

**Archer Iron Works, 2436 W 24th pl, Chicago, Ill.**
Memphis Steel Constr. Co., Magee bldg, Pittsburgh, Pa.
Ransome Concrete Machinery (Steel), Dunellen, N. J.

## 15836— Towers (Steel)

See also Tanks & Towers, Steel

**ACME TANK CO.**, 43 Cortlandt, New York
*See adv index at end of book*
**CALUMET IRON WORKS**, 3 Hyatt av, Newark, N. J.
*See adv index at end of book*
**Schlichter E. F. Co., 10 S 18th, Phila., Pa.**
Stolz Jos. & Son Inc., 841 E 136th, New York
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.
Walsh & Weidner Boiler Co., Chattanooga, Tenn

## 15836a— Towers (Sulphur)

**ACME TANK CO.**, 43 Cortlandt, New York
*See adv index at end of book*
Stearns A. T. Lumber Co, 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
U. S. Wind Engine & Pump Co., Batavia, Ill.
Weber Chimney Co., 1458 McCormick bldg., Chicago, Ill.
Wiederholdt, Constr. Co., Old Bank of Commerce bldg, St. Louis, Mo.

## Towers (Transmission)

See Transmission Towers & Structures, Electric

## 15837—Towers (Water Cooling)

**ALBERGER PUMP & CONDENSER CO.**, 140 Cedar, New York
**Bouchard Jno. & Sons Co., Nashville, Tenn.**
**Burhorn Edwin Co. ("Burhorn"), 71 Wall, New York**
Cooling Tower Co., 15 John, New York
Hart B. F. Jr. & Co., 50 Church, New York
Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Mitchell-Tappen Co., 15 John, New York
Munroe R. & Sons Mfg. Corp., 23rd & Smallman, Pittsburgh, Pa.
Parker Machine & Fan Works, Kansas City, Kansas
Ruemmeli-Dawley Mfg. Co. ("Gradirs"), 3900 Chouteau av, St. Louis, Mo.
Treadwell Construction Co., Midland, Pa.
United Iron Works Inc. (For Ice Plants), Kansas City, Mo.
Walsh & Weidner Boiler Co., Chattanooga, Tenn.
Wheeler C. H. Mfg. Co. ("Wheeler-Pratt"), Lehigh & N 18th, Phila., Pa.
**WHEELER CONDENSER & ENGINEERING CO.** ("Wheeler - Barnard," "Wheeler-Balcke"), Carteret, N. J.
*See adv index at end of book*
Worthington Pump & Machy. Corp. (Ground Type), 115 B'way, New York
*See adv index at end of book*

## Towers (Windmill)

See Tank & Towers, Steel

## Towers (Wireless)

See Transmission Towers & Structures, Electric

## Toy Banks

See Banks, Saving

## 15838—Toy Metal Building Materials

Gilbert A. C. Co. ("Erector"), New Haven, Conn.
Meccano Co., 46 W 24th, New York
Structo Mfg. Co. ("Structo" for Toys, Models, etc), Freeport, Ill.
**Watrous Mfg. Co., ("Modelit") East Hampton, Conn.**

## 15839— Toys (Electric)

See also Motors, Battery

Am. Made Stuffed Toy Co., 123 Bleecker, New York
**Bunnell J. H. & Co., 32 Park pl, New York**
**Carlisle & Finch Co., 229 E Clifton av, Cincinnati, O.**
Dongan Electric Mfg. Co., 741 Franklin, Detroit, Mich.
**Elektra Toy & Novelty Co., 400 Lafayette, New York**
Gilbert A. C. Co. ("Gilbert"), New Haven, Conn.
Harvey W. A., Scranton, Pa.
**H-K. Toy & Novelty Co., Indianapolis, Ind.**
**Hughes D. C. & Co., 4642 Ravenswood av, Chicago, Ill.**
**Interstate El. Novelty Co., 104 S 4th, Brooklyn, N. Y.**
**Ives Mfg. Corp., Bridgeport, Conn.**
**Jefferson Elec. Mfg. Co., 430 S. Green, Chicago, Ill.**
Kendrick-Davis Co., Lebanon, N. H.
**Knapp Electric & Novelty Co. ("Electric Questioner"), 511 W 51st, New York**
**Lionel Mfg. Co., 48 E 21st, New York**
McCandless H. W. & Co., 406 W 31st, New York
Meccano Co., 46 W 24th, New York
**Mirroscope Co., 168 & Waterloo rd, Cleveland, Ohio**
**National French Fancy Novelty Co., 276 Hindsdale, Brooklyn, N. Y.**
**New Toy Co., 143 Bleecker, Newark, N. J.**
Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, O.
**Rhode Island Telephone & Electric Co. ("Baby Dynamo"), 55 Pine, Providence, R. I.**
Rittenhouse A. E. Co., Honeoye Falls, N. Y.
Rosen A. W. & Co., 610 B'way, New York
Russell Electric Co. ("Memiphone"), Danbury, Conn.
Smith Novotoy Electric Inc. ("Novotoy"), Charlotte, N. C.
Structo Mfg. Co., Freeport, Ill.
Swedish Am. Telephone Co., 5235 Ravenswood av, Chicago, Ill.
Thompson A. T. & Co., 15 Tremont pl, Boston, Mass.
Thordarson Elec. Mfg. Co., 518 S Jefferson, Chicago, Ill.
Triangle Electro Trading Co., 79 Chambers, New York
Universal Novelty Wks. (Magic Lanterns), 164 5th av, New York
Viking Elec. Co., 154 Chambers, New York
Voltamp Electric Mfg. Co., 407 N Paca, Baltimore, Md.
Weeden Mfg. Co., New Bedford, Mass.
White H. C Co., No. Bennington, Vt.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.
Wood C. D. Elec. Co. ("Monocoil Motor"), 441 B'way, New York
**Yankee Mfg. Co., Cleveland, Ohio**

## 15840—Toys, Games & Novelties

Alexander-Kramer Co. (Educational Toys), Dayton, O.
Allaire Woodworkers Corp., Farmingdale, N. J.
Ames-Van Aken Mfg. Co. Inc., Syracuse, N. Y.
American Character Doll Co. Inc., 67 Spring, New York
Amer Doll Mfg. Co., 61 Wooster, New York
**American Flyer Mfg. Co. ("Motorcycle Mike" & "Slippery Slim"), 2219 S Halsted, Chicago, Ill.**
American Made Stuffed Toy Co., 123 Bleecker, New York
American Mfg. Concern (Blocks, Tool Chests & Benches), Falconer, N. Y.
American Mechanical Toy Co., Dayton, O.
American Ocarina & Toy Co. Inc. (Dolls), 69 Bruen, New York
American Pedometer Co., New Haven, Conn.
American Soldier Co., Myrtle & De Boo pl, Glendale, N Y.
American Stamping Co. (Decorated Sheet Metal, Toys, Tin Sand Pails, Tea & Coffee Sets), Elizabeth, N. J.
**American Toy Works (Paper), 7 Chatham sq, New York**
American Thermophone Co. ("Kidphone" Telephone), 116 Bedford, Boston, Mass.
Animalite Co. Inc. (Toy Animals), 228 Jelliff av, Newark, N. J.
Appleton Toy & Furniture Co. ("Appleton" Children's Chairs, Shoofly & Guard Sleighs), Appleton, Wis.
**Arcade Mfg. Co., Freeport, Ill.**
**Archery Co., Glens Falls, N. Y.**
Arden Mfg. Co., Guttenberg, N. J.
Atkins & Co., 435 Market, Phila., Pa.
Ayron Toy & Novelty Corp. (Dolls) (Jobbers), 494 B'way, New York
**Baumgarten & Co., (Printing Sets), 218 E. Fayette, Baltimore, Md.**
Benner Mfg. Co., Lancaster, Pa.
Bennett Mfg. Co., Plymouth, Mich.
**Bennett Mfg. Co. (Wooden), Portland, Me.**
Bens S. J. Mfg. Corp., Herkimer, N. Y.
Berk Bros., 543 B'way, New York
Besser Edwin E. Co. Inc. (Mfrs. Agents, etc), 41 Union sq W, New York
**Bevin Bros. Mfg. Co., Easthampton, Conn.**
Bing Bros., 381 4th av, New York
**Bleazby Bros., 337 Woodward av, Detroit, Mich.**
Bloch Go-Cart Co., 1136 North American bldg, Phila., Pa.
Bogert & Hopper Inc. (Checkers, Pencil Cases, Wooden), 57 Barclay, New York
*See adv index at end of book*
**Borgfeldt Geo. & Co., 16th & Irving pl, New York**
**Bowman Geo. H. Co. ("Jumbo Wheel"),** 224 Euclid av, Cleveland, O.

TOYS, GAMES & NOVELTIES—continued

Bradley Milton Co., Springfield, Mass.
Bradway Novelty Co. (Soap Bubblers), 1 W B'way, New York
Bregwoodkro Stamping & Mfg. Co. ("Echo," Telephone), Lorain, O.
Buffalo Toy Co., 10 Elk, Buffalo, N. Y.
Burr-Vack Co. (Base Ball Games), 511 S Wabash av, Chicago, Ill.
Butler Doll Stand Co. (Doll Stands), Oak Park, Ill.
C. L. C. Toy, Novelty & Furniture Corp. (Doll Beds, Cribs & Cradles), Augusta, Kan.
California Notion & Toy Co., 555 Market, San Francisco, Cal.
Card Board Toy Co. ("Ezy Made"), 1st Wis. Nat'l. Bank bldg, Milwaukee, Wis.
Carlin D. N. Co., 127 Denniston, Pittsburgh, Pa.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
Carrom Co., Ludington, Mich.
Carter C. E. Co., Erie, Pa.
Cass N. D. Co., Athol, Mass.
Chicago Ferrule & Nut Co., 880 Lill av, Chicago, Ill.
Cincinnati Time Recorder Co. (Toy Printing Presses), 1733 Central av, Cincinnati, O.
Clement L. D. North Weare, N. H.
Climax Mfg. Co., East Hampton, Conn.
Cole Toy & Trading Co. (Jobbers), 324 S Hill, Los Angeles, Cal.
Converse M. E. & Son, Winchendon, Mass.
Craw Wm N. Mfg. Co., South Norwalk, Conn.
Cress H. G. Co., Troy, Ohio
Cruver Mfg. Co., 2460 W Jackson blvd, Chicago, Ill.
Dorr Wallie Co., 35 Murray, New York
Dowst Bros Co., 124 Ann, Chicago, Ill.
Drewry Bros., North Weare, N. H.
Eastman Mfg. Co. (Furniture), Union City, Pa.
Economy Drawing Table & Mfg. Co., Adrian, Mich.
Elektra Toy & Novelty Co. (Dolls), 400 Lafayette, New York.
Elitsac Mfg. Co., Castile, N. Y.
Ellsworth Hardwood Co. (Wood), Ellsworth, Me.
Embossing Co., Albany, N. Y.
**ESTES E. B. & SONS** (Wooden), 364 5th av, New York
*See adv index at end of book*
Evans H. C. & Co. (Race Tracks), 1522 W Adams, Chicago, Ill.
Fearon Brown Co. (Imp.), 96 Wall, New York
Federal-Buster Corp. (Wooden), 304 Lexington av, Pittsgurgh, Pa.
Fox J. H. & Son, Berea, Ohio
Frary Mfg. Co. (Wooden), Charlemont, Mass.
Fuld Wm., 1228 N Central av, Baltimore, Md.
Garton Toy Co., Sheboygan, Wis.
Gerling Toy Co. (Dolls), 64 Grand, New York
Gibbs Mfg. Co., Canton, Ohio
Gilbert A. C. Co. ("Gilbert"), New Haven, Conn.
Gong Bell Mfg. Co., Easthampton, Conn.
Granite State Mfg. Co., Concord, N. H.
Halsam Products Co., 4114 Ravenswood av, Chicago, Ill.
Hammond J. T. & Son, 4534 Hedge, Philadelphia, Pa.
Hampden Toy Co., Westfield, Mass.
Hawes J. Mfg. Co., Towanda, Pa.
H. K. Toy & Nov. Co., Indianapolis, Ind.
Hill N. N. Brass Co., Easthampton, Conn.
Horsman E. I. Co., 11 Union sq., New York
Humpton-Scott Co., Columbus, O.
Hurst L. J. Mfg. Co., 716 E 24th, Indianapolis, Ind.
Ingersoll, Robt. H. & Bro., 315 4th av, New York
Interstate Electric Novelty Co. (Electric Novelties, Flashlights), 104 S 4th, Brooklyn N. Y.
Ivoryloid Co., Inc. ("Ivoryloid" "Ace Brand" Dominoes), 200 5th av, New York
Jack & Jill Co. (Seesaws), 211 Calumet, St. Louis, Mo.
Janesville Products Co. (Coaster Wagons & Vehicles), Janesville, Wis.
Kazoo Go-Bang Co., Kalamazoo, Mich.
Kingsbury Mfg. Co (Garden Tools), Keene, N. H.
Kirby Mfg. Co. ("Kirby" Reins), Middletown, Conn.
Kirk-Latty Mfg. Co. (Wheelbarrows, etc), W 85th, bet Detroit & Madison avs, 1971 W 85th, Cleveland, O.
Knapp Electric & Novelty Co., 511 W 51st, New York
Laurence Airplane Model & Supply Co (Airplane Toys, Model Aeroplanes & Model Building Supplies), 567 W Van Buren, Chicago, Ill.
Lebanon Nov. Co., Lebanon, Pa.
Lionel Mfg. Co., 48 E 21st, New York.
Madmar Quality Co (Wooden & Mechanical) Utica, N. Y.
Maiden America Toy Mfg. Co. (Doll Heads, Dolls, Metal & Composite Toys) 101 Varick, New York
Majestic Doll Co., 41 Greene, New York
Manhattan Electrical Supply Co. (Toys, Electrical Transformers, 110 Volts), 17 Park pl, New York
*See adv index at end of book*
Mansfield Novelty Co., Mansfield, Pa.
Marks Mfg. Co., 101 Albany, Boston, Mass.
Mason & Parker Mfg. Co. (Garden Tools), Winchendon, Mass.
McLoughlin Bros., 890 B'way, New York
Meinecke Mfg. Co. (Wooden Hobby Horses), Richards, Milwaukee, Wis.
Metal Toy Soldier Co. (Tin Soldiers), 156 Chestnut av, Jersey City, N. J.
Modern Toy Co. (Dolls), 181 Belmont av, Brooklyn, N. Y.
National Advertising Co. (Wooden), Seneca Falls, N. Y.
National Co. (Talking Machine), 277 Congress, Boston, Mass.
National French Fancy Novelty Co. (Stuffed Toys), 276 Hinsdale, Brooklyn, N. Y.
New Chicago Specialty Co. (Decorated Burnt Wood Doll Furniture, etc), New Chicago, Ind.
New England Lock & Hinge Co. (Toy Hardware), Winchendon, Mass.
New Toy Co. (Dolls) 143 Bleecker, Newark, N. J.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Noble & Cooley Co. (Drums, etc), Granville, Mass.
Olympia Games Co., 126 S Clinton, Chicago, Ill.
Original Mfg. Co. (Bob Skates, etc.), Greenville, Mich.
Papier Mache Works of America (Paper Mache), 115 Spring, New York.
Parker Bros. (Toys & Games, etc.), Salem, Mass.
Parlor Golf Co., Hoboken, N. J.
Pearl Art Wks. (Checker Boards), 673 W Madison, Chicago, Ill.
Philadelphia Game Co., 337 N 3d, Phila., Pa.
Phillips Co. (Blocks & Kindergarten Goods), 354 4th av, New York
Phillips & Buttorff Mfg. Co. (Stoves), Nashville, Tenn.
Porter Chemical Co. ("Chemcraft"), Hagerstown, Md.
Potter Mfg. Co. (Garden Tools), Geneva, Ohio
Price W. R. Inc. ("Umakem" Toy Outfits), 127 5th av, New York
Quaddy Playthings Mfg. Co. (Toys, Dolls & Games), Kansas City, Mo.
Reed, Evan L. Mfg. Co., Sterling, Ill.
Richmond Bros. Co. ("Newello" Magic Slates) 177 Chestnut, Newark, N. J.
Richmond Cedar Works, Fulton, Richmond, Va.
Rockwell Jno. L., Monroeton, Pa.
Rollman Mfg. Co. (Ltd.), Mount Joy, Pa.
Runnels, E. A. & Co., 111 Summer, Boston, Mass.
Schindler Chas. ("Buffler"), Toledo, O.
Schlesinger Leo & Co., 66 Wooster, New York
Schoenhut A. Co. (Pianos, Guns, Sail Boats, Shooting Galleries, Soldier Equipments, Circus Toys, etc.), Adams & Sepviva, Phila., Pa.
Secor Mfg. Co., 112 E 23rd, New York
Selchow & Righter Co., 620 B'way, New York
Shanafelt Mfg. Co. (Mechanical), Canton, Ohio
Simmons J. M. & Co. (Quiza & Checker Boards, Woolen Dice, Wooden Checkermen, Combination Game Table), 531 S Peoria, Chicago, Ill.
Slauf Mfg. Co. (Wooden), 703 S Clinton, Chicago, Ill.
South Bend Toy Mfg. Co. (Game Boards, Croquet, Doll Cabs, Go-Carts, Wagons & Furniture), South Bend, Ind.
Smith Novotoy Elec. Inc. ("Novotoy"), Charlotte, N. C.
Stearns E. C. & Co. (Rollomobile & Ridamobile), 450 Oneida, Syracuse, N. Y.
Steele Table Co. (Wooden Toys), Port Norfolk, Va.
Steinfeld Bros. (Wagons, Swinging Horses, Carriages, Furniture, Hand Cars, etc), 116 W 32d, New York
Stevens J. & E. Co., Cromwell, Conn.
Stratton Mfg. Co. (Wooden), Stratton, Me.
Strauss Ferdinand Inc. (Rangers, Tea Sets, Tin Horns, etc.), 7 W 22d, New York
Strobel & Wilken Co. (Imp.), 61 W 23d, New York
Structo Mfg. Co. (Educational Toys), Freeport, Ill.
Toledo Metal Wheel Co. (Automobiles, Carriages & Tricycles), Toledo, O.
Topliffe Ely Co., Washington, Pa.
Towie F. S. Co. (Mechanical Tin Toys), 332 B'way, New York
Toy Tinkers, Evanston, Ill.
Travers G. W. & Co., 146 Chambers, New York
Trion Toy Co. (Dolls), 144 B'way & Bedford av, Brooklyn, N. Y.
Transogram Co. Inc. ("Gold Medal" Needlework & Knitting Sets, Painting Boxes & Drawing Outfits), 487 Sterling pl, Brooklyn, N. Y.
Upton Machine Co., St. Joseph, Mich.
Wagner Mfg. Co. ("Wagner Ware" Cast Iron Cooking Utensils), Sidney, O.
Waterbury Button Corporation, 831 S Main, Waterbury, Conn.
*See adv index at end of book*
Wayne Paper Products Co., Ft. Wayne, Ind.
Whitney Reed Corp., Leominster, Mass.
Wilder Mfg. Co. (Toy Furniture), 17th & Clinton, St. Louis, Mo.
Wilson Pliny D. Co., 433 California, San Fransisco, Cal.
Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.

## 15841—Toys (Iron & Steel)

Arcade Mfg. Co., Freeport, Ill.
Central Stamping Co. (Tin, etc), 174 Fulton, New York
Champion Hardware Co. (Iron) Geneva, Ohio
Dent Hardware Co., Fullerton, Pa.
Elastic Tip Co. (Vacuum Tipped Guns & Pistols), 370 Atlantic av, Boston, Mass.
Grey Iron Casting Co. (Iron Trains, Banks, Ranges, Tools, Sad Irons, etc), Mt. Joy, Pa.
Hubley Mfg. Co. ("Lancaster"), Lancaster, Pa.
Ingersoll Robt. H. & Bro., 315 4th av, New York
Ives Mfg. Corp. (Cars, Locomotives, Houses, Fire Engines, etc), Bridgeport, Conn.
Kenton Hardware Co. (Banks, Ranges, Fire Depts. & Wheel Toys, Cap Pistols & Blank Cartridges, Pistols, etc), Kenton, O.
Kilgore Mfg. Co. (Machine Guns), Homestead, Pa.
Lodge Mfg. Co., S Pittsburgh, Tenn.
Moyer-Shaw Mfg. Co., 234 E. Hancock, Detroit, Mich.
Nonpareil Toy & Novelty Co. Inc., 64 Union, Newark, N. J.
Nicol & Co., 218 N Jefferson, Chicago, Ill.
Rollman Mfg. Co. (Ltd.), Mount Joy, Pa.
Stevens J. & E. Co. (Iron), Cromwell, Conn
Weeden Mfg. Corp. (Steam & Electric), New Bedford, Mass.
Williams A. C. Co. (Iron Only), Ravenna, Ohio
Wrightsville Hdw. Co. (Hammers, Hatchets, Shovels, etc), Wrightsville, Pa.

## 15842— Toys (Mechanical)

See also Toys, Electric; Toys, Games & Novelties; Locomotives & Railways, Minature
Animate Toy Co. (Bug Sets, Games, etc), 31 E 17th, New York
Bing Bros., 381 4th av, New York
Carrollton Novelty Co., Carrollton, O.
Converse M. E. & Son, Winchendon, Mass.
Dayton Friction Toy Works, Dayton, O.
Federal-Buster Corp., 364 Lexington av, Pitsburgh, Pa.
Gibbs Mfg. Co., Canton, O.
Gilbert A. C. Co. ("Gilbert"), New Haven, Conn.
Gund Mfg. Co., 440 W 42d, New York
Ives Mfg. Corp., Bridgeport, Conn.

Kingsbury Mfg. Co. (Garden Tools), Keene, N. H.
**Mechanical Novelty & Mfg. Co., St. Louis, Mo.**
National Mechanical Corp., 125 S Racine av, Chicago, Ill.
**Schieble Toy & Novelty Co., Dayton, O.**
**Shanafelt Mfg. Co., Canton, O.**
Strauss Ferdinand Inc., 7 W 22d, New York
**Superior Toy Works (Toy Boats), 1247 Marquette rd, Cleveland, O.**
**Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.**

## 15843— Toys (Rubber)

**Behrend & Rothschild, 353 B'way, New York**
Faultless Rubber Co. (Balloons, Balls, etc), **Ashland, O.**
**Goodrich B. F. Co., Akron, O.**
**Gregory Rubber Co., Akron, O.**
Miller Rubber Co., **Akron, O.**
**NEW YORK RUBBER CO., 323 W Randolph, Chicago, Ill., Reade & Church, New York**
Western Reserve Rubber Co., South Akron, **Ohio**

## 15844—Tracing Cloth Pounce

**Keuffel & Esser Co., Hoboken, N. J.**

## 15845—Tracing Cloth & Paper

Angel H. Reeve & Co. Inc., 7 Spruce, New York
**Defiance Mfg. Co., 22 E 41st, New York**
Dietzgen Eugene Co., 166 W Monroe, Chicago, Ill.
Electro Sun Co. Inc., 161 Washington, New York
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
*See adv. index at end of book*
**Indianapolis Blue Print & Supply Co. (Importers), Century bldg, Indianapolis,** Ind.
**Keuffel & Esser Co. (Paper), Hoboken, N. J.**
**National Tracing Cloth Co. (Cloth), Saylesville, R. I.**
**Palmer Co., 157 Westminster, Providence, R. I.**
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*
**St. George Henry V., 8 Grand, New York**
Sartorius & Co. (Sartorius Vegetables), 57 Murray, New York
Vincent Geo. (Mfr. Victory Vellum Tracing Paper), 422 E. 53rd, New York

## 15845a—*Track (Cross-Overs)

**American Frog & Switch Co., Hamilton,** Ohio *See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O. *See adv index at end of book*

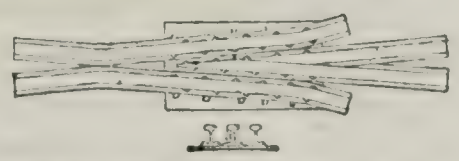
## 15845b— *Track (Curved)

**American Frog & Switch Co., Hamilton,** Ohio *See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O. *See adv index at end of book*

## 15845c— *Track (Industrial)

**See also Track (Railway, Industrial & Portable)**

**AMERICAN FROG & SWITCH CO.,** Hamilton, Ohio
*See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O. *See adv. index at end of book*



Frogs Switches Switch Stands
Industrial Track Etc.
**The Central Frog & Switch Co.**
CINCINNATI, OHIO

Cincinnati Frog & Switch Co., Cincinnati, O. *See adv. index at end of book*

Established 1906
**THE CINCINNATI FROG & SWITCH CO.**
Cincinnati, Ohio

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 15845d—Track (Narrow Gauge)

**American Frog & Switch Co., Hamilton,** Ohio
*See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O.
Lakewood Engng. Co., Cleveland, Ohio
*See adv index at end of book*

## 15845e—*Track (Portable)

**See also Track (Railway, Industrial & Portable)**

**American Frog & Switch Co., Hamilton,** Ohio
*See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv. index at end of book*

LAKEWOOD BUILT TO LAST **The LAKEWOOD ENGINEERING Co.**
CLEVELAND. OHIO U.S.A.

## 15845f— Track (Riveted)

**American Frog & Switch Co., Hamilton,** Ohio
*See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*
**Lakewood Engineering Co., Cleveland, O.**
*See adv index at end of book*

## 15846—Track Movers (Railway)

**Mann-McCann Co. ("Greese"), 305 S La** Salle, Chicago, Ill.

## 15847—Track (Railway, Industrial & Portable)

American Frog & Switch Co., Hamilton, Ohio *See adv. index at end of book*

**Frogs, Switches, and Switch Stands**
and track work of every description
**AMERICAN FROG AND SWITCH CO.**
Hamilton, Ohio

**BROWN & SITES CO.,** 30 Church, New York
Central Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
**LAKEWOOD ENGINEERING CO.,** Cleveland, O. *See adv index at end of book*

## Track Sanders

**See Locomotive Sanders**

## Track Sprinklers

**See Cars, Sprinkling, Street Railway**

## 15847a— Track (Switches)

**See also Switches (Track, Street Railway)**
**American Frog & Switch Co., Hamilton,** Ohio
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*
Signal Accessories Corp., Utica, N. Y.

## 15847b—Track (Track, Switches Turntables)

**AMERICAN FROG & SWITCH CO.,** Hamilton, Ohio
*See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Light Railway Equipment Co., Commercial Trust bldg, Phila., Pa.

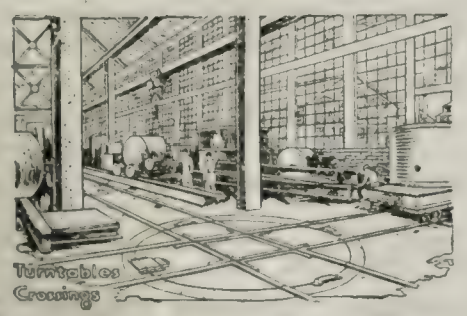
## 15847c—Track & Switches (Permanent)

**American Frog & Switch Co. (also Portable), Hamilton, Ohio**
*See adv index at end of book*
Central Frog & Switch Co., Cincinnati, O.
*See adv index at end of book*
Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 15848— *Trackage (Monorail "I" Beam)

**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*

# EASTON INDUSTRIAL RAILWAY CARS




**TURNTABLES**

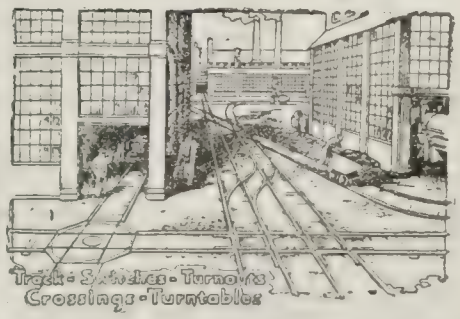
Turntables of standard or special design, correctly balanced, easily operated and of rugged construction throughout are the result of thirty years experience in the design, manufacture and use of this type of equipment.

*Catalogs or Service*

**TRACK**

Track, switches, turnouts, crossings, crossovers, turntables, wheels and axles, axle boxes and roller bearings for inside or outside journals and everything necessary for Industrial Railways.

*Catalogs or Service*




**EASTON CAR & CONSTRUCTION CO., 198 Fulton St., NEW YORK**

## 15849—Tracking (Slaughter House)

**Allbright-Nell Co., 5315 Western blvd, Chicago, Ill.**
**Brecht Co. (Overhead), 1201 Cass av, St. Louis, Mo.**

## 15849a—*Trackless Haulage System

Lakewood Engng. Co., Cleveland, Ohio
*See adv index at end of book*

## 15850—Tracks (Cast Iron Plate)

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**Hunt C. W. Co., West New Brighton, N. Y.**
***See adv index at end of book***

## 15851—Tracks (Door Hanger)

Alco Foundry & Machine Co., Hillsdale, Mich
Ford Pulley & Hardware Co., Inc., 404 4th av, New York
McKinney Mfg. Co. (For Barn Doors), Liverpool & Metropolitan, Pittsburgh, Pa.
**MYERS F. E. & BRO. ("Myers O. K.",** "Myers Giant" Tubular Girder, "New Way" Tubular Girder Hercules Storm Proof "Faultless"), 900 Fourth, Ashland, O. *See adv index at end of book*
**Porter J. E. Co. (For Barn Doors), Ottawa, Ill.**
Sharon Hardware Mfg. Co., Sharon, Pa.
Stolz Jos. & Son Inc., 841 E 136th, New York

## 15852—Tracks (Hay Carrier)

Hunt, Helm, Ferris & Co. ("Star" Steel & Wood), Harvard, Ill.
**MYERS F. E. & BRO. (Double Rail &** Single Rail), 900 Fourth, Ashland, O.
***See adv index at end of book***
Ney V. L. Hay Tool Co. (Steel), Canton, Ohio
**Strickler Hay Tool Co. ("Strickler" Steel), Janesville, Wis.**

## Tracks (Portable)

**See Railways, Industrial & Portable**

## Tractors

See following headings, also Engines, Tractors

## 15852a—*Tractors (Electric, Storage Battery)

Industrial Truck Co., Holyoke, Mass.
**KILBOURNE & JACOBS MFG. CO.,** Columbus, Ohio
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv. index at end of book*

## 15852b— Tractors (Farm)

See also Engines (Traction)

**Acme Harvesting Machine Co., Peoria, Ill.**
Acme Road Machinery Co. (Gasoline), Frankfort, N. Y.
**Advance-Rumely Co., La Porte, Ind.**
Albert Lea Tractor & Mfg. Co., Albert Lea, Minn.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Am. Tractor Corp., Peoria, Ill.
Am. Tractor & Fdry. Co., Charles City, Ia.
**Andrews Tractor Co., 26th & University av,** Minneapolis, Minn.
Appleton Mfg. Co., Batavia, Ill.
Astoria Marine Iron Works, Astoria, Ore.
Aultman & Taylor Machy. Co., Mansfield, O.
**AUSTIN MACHINERY CORPORATION** (Multipedal & Wheel), Railway Exchange bldg, Chicago, Ill.
*See adv index at end of book*
Avery Co. ("Avery"), Peoria, Ill.
**Beam Spray Pump Co., San Jose, Cal.**
**Beeman Garden Tractor Co., 711 5th av** N E, Minneapolis, Minn.
**Beltrail Tractor Co., St. Paul, Minn.**
**Brillion Iron Works, Brillion, Wis.**
Buckeye Mfg. Co., Anderson, Ind.
Bull Tractors Madison Motors Corp., 620 S 3rd, Minneapolis, Minn.
**Case J I Threshing Machine Co., Racine,** Wis.
Cleveland Tractor Co. ("Cleveland"), Euclid & Lamb av, Cleveland, O.
**C. O. D. Tractor Co., 309 Washington av,** Minneapolis, Minn.
Columbus Tractor Co., Columbus, O.
**Common Sense Gas Tractor Co., 622 S E** 9th, Minneapolis, Minn.
Corn Belt Tractor Co., 2701 Univ. av, S E Minneapolis, Minn.
Craig Tractor Co., Bliss rd, Cleveland, O.
Dauch Mfg. Co., Sandusky, O.
Dayton-Dowd Co. ("Dayton-Dowd"), Quincy, Ill.
Depue Bros. Mfg. Co., Clinton, Ia.
Eagle Mfg. Co., Appleton, Wis.
Ebert Tractor Co., Chicago, Ill.
Electric Wheel Co., Sta D, Quincy, Ill.
*See adv index at end of book*
Elgin Tractor Corp., Piqua, O.
Emerson-Brantingham Co., Rockford, Ill.
Fageol Motors Co., Oakland, Cal.
Fairmont Gas Engine & Ry. Motor Car Co., Fairmont, Minn.
Farquhar A. B. Co., Ltd., York, Pa.
Ford Motor Co., Hamilton, Ohio
**Ford Tractor Co., Dearborn, Mich.**
**Four Drive Tractor Co., Big Rapids, Mich.**
**Frick Co., Waynesboro, Pa.**
General Motors Truck Co., Pontiac, Mich.
Geneva Tractor Co., ("Geneva Adapto") Geneva, Ohio
**Gile Tractor & Engine Co., Ludington,** Mich.
Graham Bros. Inc., Evansville, Ind.
Grain Belt Tractor Co., Fargo, N. Dak.
Gray Tractor Co., ("Gray") 30th & N. P. Tracks, Minneapolis, Minn.
Hackney Mfg. Co., cor Pior & Univ, St. Paul, Minn.
Hart Parr Co., Charles City, Ia.
Hoke Tractor Co., South Bend, Ind.
Huber Mfg. Co., Marion, Ohio
Illinois Silo Co., Bloomington, Ill.
International Harvester Co. of America, Inc. ("Titan" International), Harvester bldg, Chicago, Ill.
Interstate Tractor Co., Waterloo, Iowa
Joliet Oil Tractor Co. ("Bates" Steel Mule), Joliet, Ill.
Kansas City Hay Press Co., Kansas City, Mo.
Kardell Tractor & Truck Co., St. Louis, Mo.
Keck-Gonnerman Co., Mt. Vernon, Ind.
Killen-Strait Mfg. Co., Appleton, Wis.
**Kinnard & Sons Mfg. Co. ("Flour City"),** 44th av & N & Bryant, Minneapolis, Minn.
Koehler H. J. Motors Corp., Bloomfield, N. J.
La Crosse Motor Truck Co., La Crosse, Wis.
La Crosse Tractor Co., ("La Crosse"), La Crosse, Wis.
Lauson John Mfg. Co., New Holstein, Wis.
Leader Tractor Mfg. Co., Des Moines, Ia.
Lenox Motor Car Co., 889 Boyleston, Boston, Mass.
Leonard Tractor Co., Detroit, Mich.
Liberty Tractor Co., Minneapolis, Minn.
Little Giant Co. ("Little Giant"), Mankato, Minn.
Lion Tractor Co., 2d Bank bldg., Minneapolis, Minn.
Lyons Atlas Co., Indianapolis, Ind.
McIntyre Mfg. Co., 172 W Locust, Columbus, O.
Manfer Truck Co., 5038 Wabash av, Chicago, Ill.
Master Tractor Co., Minneapolis, Minn.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Minneapolis Steel & Mchy. Co., 2854 Minnehaha av, Minneapolis, Minn.
Minneapolis Threshing Machine Co., Hopkins, Minneapolis, Minn.
Minnesota Tractor Co., Minneapolis, Minn.
Moline Plow Co., Moline, Ill.
Monarch Tractor Co. ("Neverslip" & "Lightfoot" Watertown, Wis.
National Tractor Co., Chicago, Ill.
Nelson Corp., 11 Elkins, Boston, Mass.
New Age Tractor Co., 3046 Snelling av, Minneapolis, Minn.
New Britain Machine Co. ("New Britain" Garden Type), New Britain, Conn.
Nichols Shepard Co., Battle Creek, Mich.
Nilson Tractor Co. ("Nilson"), 1902 Riverside, Minneapolis, Minn.
Ohio Mfg. Co., Upper Sandusky, O.
Oldsmar Tractor Co. ("Oldsmar"), Oldsmar, Fla.
Oliver Chilled Plow Works, South Bend, Ind.
Oliver Tractor Co., Knoxville, Tenn.
Ortman Motor Co., Washington Court House, Ohio
**Parrett Tractor Co., 343 S Dearborn, Chicago, Ill.**
Peoria Tractor Co., Peoria, Ill.
Pioneer Tractor Mfg. Co., Winona, Minn.
Plano Tractor Co., Plano, Ill.
Pontiac Tractor Co., Pontiac, Mich.
Remy Bros. Co., Kokomo, Ind.
Rock Island Plow Co., Rock Island, Ill.
Russell & Co., Massillon, Ohio
Samson Tractor Co., Jonesville, Wis.
**Samsonlieve Grip Tractor Co., Stockton,** Cal.
Sexton Tractor Corp., Asbury Park, N. J.
Shelby Tractor & Truck Co. ("Shelby"), Shelby, Ohio
**Short Turn Tractor Co., Globe bldg, Minneapolis, Minn.**
S. K. & S. Co., El Paso, Ill.
Square Turn Tractor Co. ("Square Turn"), Norfolk, Va.
Standard Steel Box Co., Bridgeville, Pa.
**Standard Tractor Co., 2324 University av,** St. Paul, Minn.
Star Tractor Co., ("Indiana" "Star"), Findlay, Ohio
Stearns Motor Mfg. Co., Ludington, Mich.
Stinson Tractor Co., Minneapolis, Minn.
Tioga Steel & Iron Co., 52d & Gray's, Phila., Pa.
**Topp-Stewart Tractor Co., Clintonville,** Wis.
Townsend Mfg. Co., Janesville, Wis.
Tractor J. T. Co., Fairfield av & W 14th, Cleveland, O.
Trenham Tractor Co., Stevens Point, Wis.
Trojan Unit Tractor Co., Waterloo, Ia.
Turner Mfg. Co., Port Washington, Wis.
U. S. Tractor Co., Minneapolis, Minn.
Velie Motors Corp. Moline, Ill.
Wallis Tractor Co., Racine, Wis.
Waterloo Gasoline Engine Co., 625 Miles, Waterloo, Ia.
Weber & Damme Wagon Co., 1621 Broadway, St. Louis, Mo.
Wichita Tractor Co., Wichita, Kan.
Wisconsin Farm Tractor Co., Sauk City, Wis.
Worthington Pump & Machy. Corp., 115 Broadway, New York
*See adv index at end of book*
Yuba Mfg. Co., Exch. bldg, San Francisco, Cal.
Zelle Tractor Co., St. Louis, Mo.

## 15852c— *Tractors (Four Wheel Drive & Steer)

Lakewood Engineering Co. (Storage Battery), Cleveland, Ohio
Lakewood Engineer Co., Cleveland, O.
*See adv index at end of book*

## 15852d— Tractors (Gasoline)

Farm Engng. Co., Sand Spring, Okla.
Nelson Corp., 11 Elkins, Boston, Mass.
Tioga Steel & Iron Co., 52d & Gray's, Phila., Pa.

## 15852e—Tractors (Gas & Steam)

See also Engines (Tractor)

Steam Tractor Auto & Mfg. Co., (Steam), Sioux City, Ia.
Tioga Steel & Iron Co., 51nd & Gray's, Phila., Pa.

## 15853—Tractors (Kerosene)

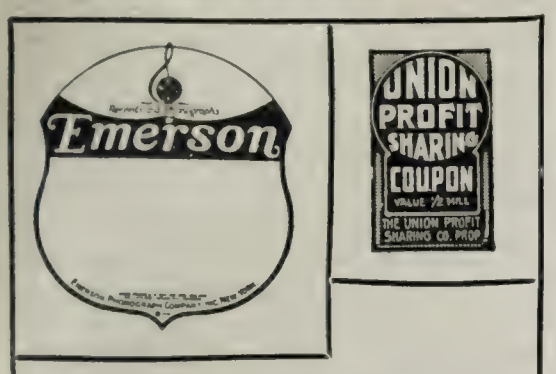
Frick Co. ("Frick 12-25"), Waynesboro, Pa.
**Hession Tiller & Tractor Corp. (Farm Tillers), (Hessian), Buffalo, N. Y.**
Kinnard & Sons Mfg. Co. ("Flour City"), 44th av, & N. Bryant, Minneapolis, Minn.
Minneapolis Steel & Machy. Co. (12-20, 16-30, 25-45, 40-65, 60-90), 2854 Minnehaha av, Minneapolis, Minn.
Tioga Steel & Iron Co., 52nd & Gray's, Phila., Pa.

## 15853a— *Tractors (Rubber Tired Storage Battery)

**Lakewood Engineering Co., Cleveland, O.**
***See adv index at end of book***

## 15853b— *Trading Stamps

Eureka Spec. Printing Co. Scranton, Pa.
Keystone Printed Specialties Co., 325 Pear, Scranton, Pa.
*See adv index at end of book*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## 15854—Tragacanth Importers

**Anderson P. E. & Co., 99 John, New York**
Bird J. A. & W. & Co. (Imp.), 88 Pearl, Boston, Mass.
Bredt F. & Co., 240 Water, New York
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jacob Chas. W. & Allison, 18 Cedar, New York
Klipstein A. & Co., 644 Greenwich, New York
Lyon Julian W., 101 Beekman, New York
Scheel Wm. H., 159 Maiden la, New York
*See adv index at end of book*
Strahl & Pitsch, 141 Front, New York
Thurston & Braidich, 27 Cliff, New York
Wolf Jacques & Co., Passaic, N. J.
Worden Chemical Works, 4 Cedar, New York

## 15854a— Trailer Parts (Rear End Construction)

Coast Engine & Machine Works, East Water & Taylor, Portland, Ore.
Martin Rocking Fifth Wheel Co., Springfield, Mass.

## 15854b—*Trailers (Castor Type)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 15854c— *Trailers (Fifth Wheel)

Coast Engine & Machine Works, E Water & Taylor, Portland, Ore.
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 15854d— *Trailers (Four Wheel Steer)

Coast Engine & Machine Works, E Water & Taylor, Portland, Ore.
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 15854e— *Trailers (Heavy Duty)

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## 15854f—Trailers (Industrial)

See also Truck Trailers Automobile
Biehl Iron Works Inc., Reading, Pa.
*See adv index at end of book*

**ELECTRIC WHEEL CO.,** (Electric) Station D, Quincy, Ill.
*See adv index at end of book*
Koenig Edward L., La Salle nr Lake, Chicago, Ill. *See adv index at end of book*
**KILBOURNE & JACOBS MFG. CO.,** Columbus, O.
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv. index at end of book*


LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO U.S.A.


## 15855—Train Despatching Equipment (Telephone)

General Railway Signal Co., Rochester, N. Y.
Railway Electric Mfg. Co., 250 W. Water, Milwaukee, Wis.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*

## 15856— Trains (Roll)

Danville Iron & Steel Co., Danville, Pa.
Garrison A. Foundry Co., 901 Bingham, Pittsburgh, Pa.
Lewis Foundry & Machine Co., Groveton, Pa.
Morgan Construction Co., Worcester, Mass.
National Rool & Foundry Co., Avonmore, Pa.
United Engng. & Fdry. Co., Keenan bldg, Pittsburgh, Pa.

## 15857— Trammels

Browne & Sharpe Mfg. Co., Providence, R. I.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Goodell-Pratt Co., Greenfield, Mass.
Huebel Mfg. Co., 103 Monroe, Newark, N. J.
Sawyer Tool Mfg. Co., Ashburnham, Mass.
**STARRETT L. S. CO. (THE)** (Extension Beam, etc), Athol, Mass.
*See adv index at end of book*

## Tramrails

See Trolleys & Trolley Tracks, Overhead

## 15858—*Tramways (Bridge)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill. & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Macomber & Whyte Rope Co., ("Mac-Whyte") Kenosha, Wis.

## 15859— Tramways (Gravity)

Hallidie Co. (For Ore, etc.), Spokane, Wash. *See adv index at end of book*

Macomber & Whyte Rope Co., ("Mac-Whyte") Kenosha, Wis.

## 15860—*Tramways (Wire Rope)

American Steel & Wire Co. (Aerial), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W van Buren, Chicago, Ill.
*See adv index at end of book*

## Tramways & Trolleys

See Trolleys & Trolley Tracks, Overhead; also Wire Rope Tramways

## 15860a— *Transfer Cars

See also Cars (Transfer)
Lakewood Engineering Co., Cleveland, O.
*See adv. index at end of book*


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## Transfer Scrolls

See Ornaments, Transfer

## 15861— *Transfer Tables (Hand Power)

Wharton Wm. Jr. & Co., Inc., Easton, Pa.

## 15862—*Transfers (Endless)

**LINK-BELT COMPANY** ("Link-Belt"), 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*

## 15863—Transformer, Oil Dryer & Purifier

Hunt Edw. J. ("Hunt"), 707 Ordway bldg, Newark, N. J.

## 15864— Transformers

Adams-Bagnall Electric Co., Platt av, Cleveland, O.
Allis-Chalmers Mfg. Co., (Light & Power Electric), Milwaukee, Wis.
American Transformer Co. ("American," High & Low Frequency Type & Oil), 178-182 Emmett, Newark, N. J.
Arrow Mfg. Co. ("Arrow" Low Voltage, Bell Ringing), 618 B'way, Toledo, O.
**Ashbrook Electric Co., 411 Ravenswood av, Chicago, Ill.**
Beacon Rectifier Inc. (For Operating Signalling System from Alternating or Direct Current), Hyde Park, Mass.


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TRANSFORMERS—continued

Bell & Howell Co. (Theatre), 1803 Larchmont av, Chicago, Ill.
**Butler-Edwards Electric Co., Easton, Pa.**
Campbell Electric Co. ("Lowvolt" for Tungsten Lamps, etc), 17 Stewart, Lynn, Mass.
**Clapp-Eastham Co. ("Blitzer", High Frequency Type), Cambridge, Mass.**
**Condit Electrical Mfg. Co., ("Condit" Current & Potential), 1st & L, Boston, Mass.**
Connecticut Telephone & Electric Co., Meriden, Conn.
Crocker-Wheeler Co. ("Remik"), Ampere, N. J.
**Cumberland Elec. Mfg. Co., Memphis, Tenn.**
**Cushman Electric Co. ("Cushman" Rotary), Concord, N. H.**
Dongan Electric Mfg. Co. (Toy), 741 Franklin, Detroit, Mich.
**Duncan Electric Mfg. Co. ("Duncan"), Lafayette, Ind.**
**Edison Thos. A., Inc., Orange, N. J.**
**Edwards & Co. ("Dixie," Cadet), Exterior av & 140th, New York**
**Empire Transformer Co. (Ozone Retifier Syb Lighting Toy, etc.), 2723 N Clark, Chicago, Ill.**
Electric Appliance Co., 701 W Jackson blvd, Chicago, Ill.
Electro Surgical Instrument Co. (For Surgical **Miniature Lamps), Rochester, N. Y.**
**Enterprise Elec. Co. ("Peerless"), Warren, O.**
**Gardner-Stedman Co., 160 N 5th, Chicago, Ill.**
**GENERAL ELECTRIC CO.** ("Wood" & Lead Burning, Light & Power, Arc Furnace, X Ray, All-Nite-Lite), Schenectady, N. Y.
*See adv index at end of book*
General Railway Signal Co. **(Automatic Block Signaling), Rochester, N. Y.**
Goettmann, O. J., 525 Ohio, Pittsburgh, Pa.
**Haas R. Elec. & Mfg. Co., Springfield, Ill.**
Hallberg, J. H., 1604 B'way, New York
Jefferson Electric Mfg. Co. (Toys, Sign Lighting, Wireless), 426 S Green, Chicago, Ill.
**Kanaky H. P. Elec. & Mfg. Co., 1117 W 76th, Los Angeles, Cal.**
Killark Elec Mfg. Co., 3940 Easton, St. Louis, Mo.
King Elec. & Mfg. Co., Cleveland, Ohio
Knott L. E. Apparatus Co. **(Dissectible, Demonstration), 79 Amherst, Cambridge, Mass.**
**Kuhlman Electric Co. (For Light & Power), Bay City, Mich.**
Liebel-Flarsheim Co., 460 Home, Cincinnati, Ohio
**Lionel Mfg. Co., 48 E 21st, New York**
McIntosh Battery & Optical Co. ("Hogan Silent Roentgen"), 217 N Desplaines, Chicago, Ill.
**Marathon Theatre Stres Co. (H. & H. for Mov. Picture), Wausau, Wis.**
**Miller B. F., Trenton, N. J.**
**Monawk Electric Mfg. Co. ("Rollinson,"** Type "R" Ringing), 15 Kirk pl, Newark, N. J.
**Moloney Electric Co. ("Moloney"), 7th & Hickory, St. Louis, Mo.**
**Packard Electric Co., Warren, O.**
Paragon Electric Co. (Electric) (Jobbers), 329 E 5th, New York
**Pittsburgh Transformer Co., Columbus & Preble av, Pittsburgh, Pa.**
**Ritchie E. S. & Sons (Wireless Telegraph), Brookline, Mass.**
**Rittenhouse Co. A. E., Honeoye Falls, N. Y.**
Sangamon Electric Co. ("Nowatt"), **Springfield, Ill.**
Scientific Instrument & Electric Mch. Co. (Small High Voltage), Machanicsburgh, Pa.
**Sieffert Elec. Co., Evansville, Ind.**
States Co., **19 New Park av, Hartford,** Conn.
Sterling Devices Co. (Direct Current), 9 Lispenard, New York
**Terminal Elec. Co., 551 W 42nd, New York**
**Thordarson Elec. Mfg. Co., 501 S Jefferson, Chicago, Ill.**
**Tiebel-Flarsheim Co., 2805 Vine, Cincinnati, Ohio**
Triumph Electric Co., Oakley, Cincinnati, O.
**U. S. E. M. Co. ("Potentiostat" D. C.),** 505 W 42d, New York
United States Apparatus Co. ("Beacon"), 1529 Columbus av, Roy, Boston, Mass.
Victor Electric Co. (Bell Ringing), 236 S Robey, Chicago, Ill.
**Viking Electric Co. ("Viking," Low Voltage, Sign & Toy), 152 Chambers,** New York
Vindex Electric Mfg. Co., Aurora, Ill.
Voltamp Electric Mfg. Co. (Miniature), 407 N Paca, Baltimore, Md.
**Wagner Elec. Mfg. Co. (Lighting & Motor, Pole Line Instrument, Static Power & Subway), 6400 Plymouth av, St. Louis, Mo.**
**Wahl Mfg. Co., Sterling, Ill.**
**Ward Leonard Elec. Co. (Adaptor Resistance), Bronxville, N. Y.**
Wente Electric Co., Hamilton, O.
Wesco Supply Co. ("McDonnell"), 7th & Clark, St. Louis, Mo.
**Western Electric Co. ("Lighting," "Potential"), 463 West, New York**
**Western Transformer Co., Oakland, Cal.**
**WESTINGHOUSE ELECTRIC & MFG. CO.** (Core & Shell Type, for Power & Light), East Pittsburgh, Pa.
*See adv index at end of book*
Weston Electrical Instrument Co. (Instruments), Waverly Park, Newark, N. J.

## 15864a—Transformers (Auto-Regulating)

American Transformer Co., 178 Emmett, Newark, N. J.
Kuhlman Electric Co., Bay City, Mich.
Triumph Electric Co., Oakley, Cincinnati, O.

## 15865—Transformers (Bell Ringing)

Arrow Mfg. Co. ("Arrow"), 618 Broadway, New York
Campbell Electric Co. ("Campbell"), 17 Stewart, Lynn, Mass.
Cumberland Elec. Mfg. Co., Memphis, Tenn.
Empire Transformer Co., 2723 N Clark, Chicago, Ill.
Ft. Wayne Electric Works, of General Electric Co., Ft. Wayne, Ind.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Jefferson Electric Mfg. Co., 426 S Green, Chicago, Ill.
Mohawk Electric Mfg. Co. ("Rollinson"), 15 Kirk pl, Newark, N. J.
**Packard Elec. Co., Dana av, Warren, O.**
Reppell-Murphy Electric Co., 3307 Summit, Kansas City, Mo.
Sterling Devices Co. (Direct Current), 9 Lispenard, New York
Viking Electric Co. ("Viking"), 152 Chambers, New York
Wente Electric Co., Hamilton, O.

## 15866—Transformers For Moving Picture Lamps

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
**Hallberg J. H. ("K. V. A."), 1604 B'way,** New York
**Nicholas Power Co., 90 Gold, New York**

## 15867—Transformers (Heat)

Central Station Steam Co. ("Detroit"), **710 Woodbridge, Detroit, Mich.**

## 15867a—Transformers (Laboratory)

American Transformer Co., 178 Emmett, Newark, N. J.
Thordarson Electric Mfg. Co., 501 S Jefferson, Chicago, Ill.

## 15868—Transformers (Pipe Thawing)

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*

## 15869—Transformers (Static)

**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 15870-1— Transits

Ainsworth Wm. & Sons ("Brunton" Pocket), Denver, Colo.
Bausch & Lomb Optical Co., Rochester, N. Y.
Beckman L. Co., Toledo Ohio
**BERGER, C. L. & SONS** ("Monitor"), 37 William Boston, Mass.
Buff & Buff Mfg. Co., rear 98 Green, **Jamaica Plain, Boston, Mass.**
Heller & Brightly, Dept. H., 1122 Spring Garden, Phila., Pa.
Keuffel & Esser Co. (Builders', Engineers', Hand Locating), Hoboken, N. J.
Kolesch & Co., 138 Fulton, New York
Ledder & Probst (& Repairing), 21 Pearl, Boston, Mass.
Lietz A. Co. ("Lietz" Transits & Levers), **61 Post, San Francisco, Cal.**
Prince L. M. Co., 108 W 4th, Cincinnati, O.
**STARRETT L. S. CO.** (Leveling), Athol, Mass. *See adv index at end of book*
**Taylor Instrument Companies, ("Verschoyle" Pocket "Tycos", Rochester,** N. Y.
Ulmer J. C. Co. ("J. B. Davis," Solar, "Ulmer," etc), 1791 E 38th, Cleveland, Ohio
Warren-Knight Co. ("Sterling"), 136 N 12th, Phila., Pa.
**White David Co. (Architects' Leveling,** etc), 419 E Water, Milwaukee, Wis.

## 15872— Translucent Fabrics

Angier Mills ("Rubberglass"), Ashland, Mass.

## 15873-4—Transmission (Automobile)

**AMERICAN DIE & TOOL CO.,** Reading, Pa.
Cotta Transmission Co. ("Cotta" Motor Truck & Tractor Only), Rockford Ill.
**Hill-Smith Metal Goods Co. ("H. S."), 82** Brookline av, Boston, Mass.
Fuller & Sons Mfg. Co., Kalamazoo, Mich.

## Transmission (Chain)

**See Chain Power Transmission**

## Transmission Machinery Power

**See Power Transmitting Machinery**

## 15875—Transmission (Right Angle)

Almond T. R. Mfg. Co. ("Almond"), Ashburnham, Mass.

## 15875a—*Transmission (Silent Chain)

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
**MORSE CHAIN CO.,** Ithaca, N. Y.
*See adv index at end of book*

## 15876—Transmission Towers & Structures (Electric)

Aermator Co., 2500 W 12th, Chicago, Ill.
American Bridge Co., 30 Church, New York
Archbold-Brady Co. (Steel), Syracuse, N. Y.
Bates Expanded Steel Truss Co., 208 S La Salle.
**Blaw-Knox Co., Freeport rd, Hoboken, Pa.**
**CALUMET IRON WORKS,** 3 Hyatt av, Newark, N. J.
*See adv index at end of book*
**CHICAGO BRIDGE & IRON WORKS,** 2105 Old Colony bldg., Chicago, Ill.
*For branch offices see adv index at end of book*
Delta Star Elec. Co., 2437 Fulton, Chicago, Ill.
Electric Railway Equipment Co., Cincinnati, O.
**Franklin Steel Works, Franklin, Pa.**
Pacific Electric Mfg. Co., 827 Folsom, San Francisco, Cal.
Pittsburgh-Des Moines Steel Co. (Radio Towers), 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Railway & Industrial Co., Engrg. Co., Peoples Bank bldg, Pittsburgh, Pa.
*See adv index at end of book*
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Riter-Conley Mfg. Co., Oliver bldg, Pittsburgh, Pa.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York.
*See adv index at end of book*

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**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

### 15877—Transmitters (Sewing Machine)

**Singer Sewing Machine Co., 149 B'way, New York**
Union Special Machine Co., 400 N Franklin, Chicago, Ill.

### 15878—Transmitters (Telegraph)

Piersen Mfg. Co. ("Piersen"), Topeka, Kan.
**Vibroplex Co., Inc., 253 B'way, New York**

### 15879— *Transoms (Steel)

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*

### 15880—Transplanters (Tobacco)

Case J. I. Plow Works (& Cabbage) Racine, Wis.
**Fetzer & Co. (Tobacco, Cabbage, Tomato, etc.), Springfield, Ill.**
Garrison Bros. Co. (And Other Plants), Bridgeton, N. J.
Madison Plow Co. ("F. & J. Bemis"), Madison, Wis.
**Masters Planter Co. (Hand) 229 N State, Chicago, Ill.**
Nagley Mfg. Co. ("Onondaga" Automatic for All Kinds of Plants), Lyons, N. Y.
New Idea Spreader Co. ("Rollman"), Coldwater, O.
Ohio Rake Co. ("Tiger"), Dayton, O.
Owens J. L. Co. (Also Potato, Cabbage, Tomato, etc), **Fulton & S E Huron, Minneapolis, Minn.**

### 15881— Trap Rock

**See also Stone, Crushed**

Birdsboro Stone Co., Land Title bldg., Phila., Pa.
**Blue Trap Rock Co., Little Rock, Ark.**
Bouker Contracting Co., 24 State, New York
Bound Brook Crushed Stone Co., Bound Brook, N. J.
Clinton Point Stone Co., 17 Battery pl, New York
**Conewago Trap Rock Co., Williamsport, Pa.**
Connecticut Quarries Co., New Haven, Conn.
**Davis Trap Rock Works, Parkway bldg, Phila., Pa.**
**Delaware River Quarry & Construction Co.,** 390 George, Jersey City, N. J.
**Dyer John T. Quarry Co., Norristown, Pa.**
General Crushed Stone Co., Easton, Pa.
**Keystone Lime & Stone Co., Lancaster, Pa.**
Lane Construction Corp., Meriden, Conn.
**McKiernan & Bergin Co., Paterson, N. J.**
Middle Valley Trap Rock & Mining Co., Middle Valley, N. J.
Morris County Crushed Stone Co., Morristown, N. J.
New York Trap Rock Co. (Crushed), 1 Park av, New York
Schmidt F. W., Morristown, N. J.
Spence Bros. ("Bruce"), Cleveland, O.
**Standard Lime & Stone Co., Equitable bldg, Baltimore, Md.**
**Waltham Trap Rock Co., Waltham, Mass.**
York Hill Trap Rock Quarry Co., Meriden, Conn.

### 15882— Traps (Air)

**ANDERSON V. D. Co. ("Anderson"), W 96th, Cleveland, O.**
***See adv index at end of book***
McAlear Mfg. Co., 1901 So. Western av, Chicago, Ill.
Wright-Austin Co. ("Wright"), 97 Woodbridge, Detroit, Mich.

### 15883— Traps (Animal)

Abingdon Trap Co. ("O. K."), Abingdon, Ill.
**E-Z Mfg. Co., Galesburg, Ill.**
**Hawkins Co., South Britain, Conn.**
Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, O.
**Nelson Mfg. Co., Deerfield, Wis.**
**Niagara Falls Metal Stamping Works ("Lightning," "Clincher"), Niagara Falls, N. Y.**
**Oneida Community (Ltd.), Dept. G. ("Victor," "Newhouse," for All Kinds of Game), Oneida, N. Y.**
Sabo Mfg. Co., 3115 W 25th, Cleveland, O.
Triumph Trap Co., Inc., ("Triumph," "Kangaroo," "High Grip" & "Triple Clutch"), Oneida, N. Y.

### 15884—Traps (Anti-Siphon)

Cudell F. E. (Lead), 10013 Detroit av, Cleveland, Ohio
Ireland & Matthews Mfg. Co., Beard Chatfield, Detroit, Mich.
McAuliffe Non-Siphoning Trap Co. ("McAuliffe"), 127 Purchase, Boston, Mass.
Miller Foundry & Specialty Co. ("Millers"), North Tonawanda, N. Y.
Monarch Brass Co. (Lead & Brass), Cleveland, O.
Sanitas Mfg. Co. ("Sanitos" "Securitas"), 105 Washington, Boston, Mass.
**Young Joseph H. Co. ("Bay State," "Cambridge," "YCo" "Salem," "Springfield"), 82 High, Boston, Mass.**

### 15885— Traps (Back Water)

Advance Mfg. Co. ("Palmer"), Erie, Pa.
**Barrett Jas. Mfg. Co., ("Barrett") 117 Pearl, Boston, Mass.**
Blake Specialty Co., Rock Island, Ill.
**Boston Brass Co., ("Acme") 135 Bacon, Waltham, Mass.**
*See adv index at end of book*
Butler Thos. F., Lorain, O.
Cudell F. E. (Lead), Cleveland, O.
**Edwardsville Brass Co., Edwardsville, Ill.**
**Illinois Malleable Iron Co. (Palmer), 1801** Diversey blvd, Chicago, Ill.
Modern Iron Wks., Quincy, Ill.
**Murphy Specialty Co. ("Murphy," Combined Catch Basin & Back Water Trap), 90 2d, Milwaukee, Wis.**
**Prier Brass Mfg. Co. ("Standard" & Sieben"), Kansas City, Mo.**
Sanitas Mfg. Co. ("Acme"), 105 Washington, Boston, Mass.
**Stary Frank & Sons, Cedar Rapids, Ia.**
Swett A. L. Iron Works, Medina, N. Y.
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*
**Union Metal Works, Chelsea, Mass.**
**Wolverine Brass Works, Grand Rapids, Mich.**

### 15886—Traps (Bath & Basin)

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
A. D. Mfg. Co. (Nickel Plated), 201 Piquette, Detroit, Mich.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**American Pin Co. ("Ampinco"), Waterbury, Conn.**
American Sanitary Mfg. Co. ("American"), Abingdon, Ill.
Blake Specialty Co. (Iron, Lead & Brass), Rock Island, Ill.
**Boston Brass Co. ("B. B."), 135 Bacon, Waltham, Mass.**
*See adv index at end of book*
Bridgman Bros. Co. (Brass Bennor Bath Traps), 131 S 31st, Phila., Pa.
Clarke Robt. (Non-Syphon), 98 Schermerhorn, Brooklyn, N. Y.
Dearborn Brass Co., Cedar Rapids, Ia.
Detroit Marvel Brass Mfg. Co., 326-332 Rivard, Detroit, Mich.
**Detroit Sanitary Supply Co. ("Clean Sweep" Catch Basin), 1191 2nd, Detroit, Mich.**
Eagle Pitcher Lead Co. (The) (Lead), 208 S La Salle, Chicago, Ill.
**Edwardsville Brass Co., Edwardsville, Ill.**
Empire Brass Mfg. Co. (Brass), 10301 Berea Rd, Cleveland, Ohio
Fee & Mason, 81 Beekman, New York
Frost Mfg. Co. ("Femco"), Kenosha, Wis.
Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.
*See adv index at end of book*
Haines, Jones & Cadbury Co. ("Hajoca" Bath), 1136 Ridge av, Phila., Pa.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Ireland & Matthews Mfg. Co. ("Boss" & "S"), Beard & Chatfield, Detroit, Mich.
Klenke F. J. Co. ("Diamond K"), Sharon bldg, San Francsico, Cal.
Kokomo Brass Works (Self-Scouring Brass Drum & Sanitary Basin), Kokomo, Ind.
Kretschmer Mfg. Co., Dubuque, Ia.
McAuliffe Non Siphoning Trap Co. ("McAuliffe"), 127 Purchase, Boston, Mass.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Maco Products Corp. (Nickel Plate), 154 Nassau, New York
Miller Foundry & Specialty Co. ("Miller's"), N Tonawanda, N. Y.
Modern Iron Wks., Quincy, Ill.
Monarch Brass Co. ("Monarch" Brass & Lead, Anti-Syphon), Cleveland, O.
Murphy Specialty Co. ("Murphy"), 90 2nd, Milwaukee, Wis.
Sanitas Mfg. Co., 105 Washington, Boston, Mass.
Standard Sanitary Mfg. Co., Bessemer Mass.
Union Metal Works ("A. R. R. C."), Chelsea, Mass.

TRAPS (BATH & BASIN)—continued
Weiskittel A. & Son Co. (Bath), 12th & E Lombard, Baltimore, Md.
Wise J. B., Inc., Watertown, N. Y.
Wolverine Brass Works, Grand Rapids, Mich.
Young Jos. H. Co. ("Bay State," "Cambridge," "YCo," "Salem," "Springfield," "Combination"), 82 High, Boston, Mass.

## 15887— Traps (Bear)

Independent Bridge Co., May bldg, Pittsburgh, Pa.

## 15888— Traps (Bell)

**American Foundry & Mfg. Co., 11th &** Hebert, St. Louis, Mo.
**Barber Mfg. Co., Ashtabula, O.**
**Blake Specialty Co., Rock Island, Ill.**
Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Edwardsville Brass Co. (Brass), Edwardsville, Ill.
Fee & Mason, 81 Beekman, New York
**Glenn Fred. E., St. Charles, Ill.**
Haydenville Co., Haydenville, Mass.
**Modern Iron Works, Quincy, Ill.**
**Quinn Wire & Iron Works, Boone, Ia.**

## 15889—Traps (Bi-Metallic Plated)

A. D. Mfg. Co., 201 Piquette, Detroit, Mich.

## 15890—Traps (Catch Basin)

American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**Standard Brass & Iron Works ("Dale"), 1820 St. Paul av, Milwaukee, Wis.**
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*

## 15891— Traps (Centrifugal)

Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
**Wolverine Brass Works ("Wolverine" Aluminized Cast Iron), Grand Rapids, Mich.**

## 15892— Traps (Drainage)

Acheson Mfg. Co. (Cesspool Only), Rankin, Pa. *See adv index at end of book*
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**Blake Specialty Co., Rock Island, Ill.**
Crampton-Farley Brass Co., 221 Main, Kansas City, Mo.
**Crane Co. (Est. 1855), 836 S Michigan av,** Chicago, Ill.
*For branch offices see Alphabetical Section*
Detroit Marvel Brass Mfg. Co. ("Marvel" Adjustable Shower Traps), **332 Rivard,** Detroit, Mich.
Eureka Mfg. Co., Indianapolis, Ind.
Gillie Mach. Co., Tonawanda, N. Y.
Harrison Safety Boiler Works, 3147 N 17th, Philadelphia, Pa.
**Kokomo Brass Works (Brass Floor, Drain & Trap), Kokomo, Ind.**
Modern Iron Wks., Quincy, Ill.
Prier Brass Mfg. Co. ("Standard" & **"Sieben," Kansas City, Mo.**

## 15893-4— Traps (Drum)

Acheson Mfg. Co. (Brass Only), Rankin, Pa. *See adv index at end of book*
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**Blake Specialty Co. (Iron Lead & Brass), Rock Island, Ill.**
**Boston Brass Co. (Lead) 135 Bacon, Waltham, Mass.** ***See adv index at end of book***
**Casey-Hedges Co., Chattanooga, Tenn.**
**Compound Injector & Specialty Co. ("Dehn's," Iron), 419 N Laramie av, Chicago, Ill.**
Dearborn Brass Co., Cedar Rapids, Ia.
**Glenn Fred E (Cast Iron), St. Charles, Ill.**
Modern Iron Wks., Quincy, Ill.
**Prier Brass Mfg. Co. (Iron & Brass), Kansas City, Mo.**
**Riverside Foundry & Galvanizing Co., Kalamazoo, Mich.**
United Lead Co. (Lead), 111 B'way, New York
Universal Drum Trap Cover, **753 E 39th,** Chicago, Ill.

## 15895— Traps (Fly)

**AMERICAN CAN CO.** ("Canco"), 120 B'way, New York.
*See adv index at end of book*
Avis Hardware Co. ("Avis"), Pomona, Cal.
Bromwell Brush & Wire Goods Co., 612 W. 6th, Cincinnati, O.
Burgess & Norton Mfg. Co. ("Crusader"), Geneva, Ill.
Curry Champion Fly Trap Co., Paducah, Ky.
Hamlin & Russell Mfg. Co., Worcester, Mass.
**Heine John F. & Son (Large), Hooper,** Neb.
**Ludlow-Saylor Wire Co. ("Perfect"), Newstead av, cor Wabash R. R., St. Louis,** Mo.
Meyers Fred J. Mfg. Co. ("Champion," **"Globe"), Hamilton, O.**
***See adv index at end of book***
**National Enameling & Stamping Co.** ("Shur-Katch"), 411 5th av, New York
**Northwestern Stamping Co., Burlington,** Ia.
Parker Wire Goods Co., Worcester, Mass.
Peoria Can Co. ("Superior" Globe Shape), Peoria, Ill.
Reed Evan L. Mfg. Co., Sterling, Ill.
**Reynolds Wire Co. ("Harjer," "Champion," "Paragon," "Dixon," "Leader" & "Eagle" Cone Shaped, "Globe," "Acme," "Royal" Balloon Shape).** Dixon, Ill.
Safety Wire Gas Globe Co., Columbus, O.
Stuber & Kuck Co. ("Baby Superior"), Peoria, Ill.
**Thompson Co. ("Ezycatch"), Red Oak,** Ia.
Wagner Mfg. Co. ("Wagner All-Metal," "Wagner Daisy"), Cedar Falls, Ia.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Traps (Game)

**See Traps, Animal**

## 15896— Traps (Gopher)

Abingdon Trap Co. ("O. K."), Abingdon, Ill.

## 15897— Traps (Grease)

**American Foundry & Mfg. Co., 11th &** Hebert, St. Louis, Mo.
Earrett Jas. Mfg. Co. ("Barrett"), 117 Pearl, Boston, Mass.
**Compound Injector & Specialty Co. ("Dehn" "Acme"), 419 N Laramie av, Chicago, Ill.**
Estabrook's R. Sons ("Estabrook," "Boston" "Franklin"), 202 1st, Boston, Mass.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Glauber M. & Co., 103 Varick, New York
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Philadelphia, Pa.
**Hoffmann & Billings Mfg. Co., 100-2nd,** Milwaukee, Wis.
Kieley & Muller, 34 West 13th, New York
Klenke F. J. Co. ("Diamond K"), Sharon bldg, San Francisco, Cal.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Meyer-Sniffen Co. ("Em Ess Tucker"), 11 W 36th, New York
**Mott J. L. Iron Works ("Tucker" & "Tobey"), Trenton, N. J.**
**Nelson N. O. Mfg. Co., 10th & Chestnut,** St. Louis, Mo.
**Peck Bros. & Co., New Haven, Conn.**
**Prier Brass Mfg. Co. ("Sieben"), Kansas City, Mo.**
**Robertson James Lead Co., 827 S Howard,** Baltimore, Md.
**Rundle Mfg. Co. (Porcelain Enameled Kitchen), 27th & Wahl, Milwaukee,** Wis.
**Rundle-Spence Mfg. Co., 63 2nd, Milwaukee,** Wis.
Sanitas Mfg. Co., ("Sanitas"), 105 Washington. Boston, Mass.
**Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.**
Steam Appliance Co. ("Peters"), Milwaukee, Wis.
Success Mfg. Co. ("Bolger"), Gloucester, Mass.
Wade Iron Sanitary Mfg. Co., 551 Fulton, Chicago, Ill.
Webster, Warren & Co., Camden, N. J.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 15898-9—Taps (Ground Mole)

Heartley Machine, Variety Iron & Tool Works ("Heartley Hold Fast"), 900 Summit, Toedo, O.
**Michigan Wire Goods Co. (Steel), Niles,** Mich.
**Rittenhouse J. F., Liberty Mills, Ind.**

## 15900— Traps (Lavatory)

Acheson Mfg. Co., Rankin, Pa.
*See adv index at end of book*
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**Empire Brass Mfg. Co., 10301 Berea rd.,** Cleveland, O.
Klenke F. J. Co. ("Diamond K"), Sharon, bldg, San Francisco, Cal.
McAuliffe Non-Siphoning Trap Co. ("McAuliffe"), 127 Purchase, Boston, Mass.
**Modern Iron Wks., Quincy, Ill.**
Rundle Mfg. Co., 27th & Wall, Milwaukee, Wis.
**Sanitas Mfg. Co., ("Sanitas" Non-Siphoning), 105 Washington, Boston, Mass.**
Standard Brass Mfg. Co., Utica, N. Y.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Weiskittle A. & Sons Co., 12th & E Lombard, Balto., Md.
**Wise J. B., Inc., Watertown, N. Y.**

## 15901— Traps (Mercury)

**KENNEDY VAN SAUN MFG. & ENG. CORP., 120 Broadway, New York.**
***See adv index at end of book***

## 15902— Traps (Minnow)

Cuba Specialty Mfg. Co. Houghton, N. Y.
**Orvis Chas. F. Co., Manchester, Vt.**
St. Charles Net & Hammock Co., St. Charles, Ill.

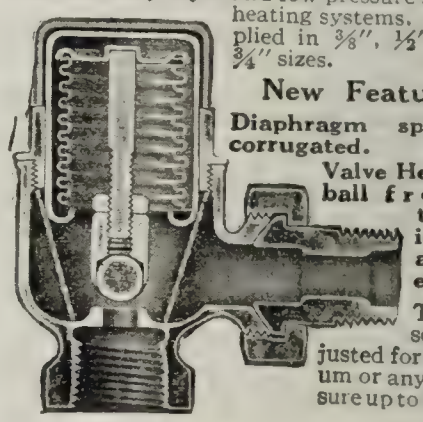
## 15902a— Traps (Radiator)

Dunham C. A. Co., 343 S. Dearborn, Chicago, Ill.
Plant Engng. & Equipt. Co., 11 John, New York.
**SARCO CO., INC.** ("Sarco"), 8 Park pl, New York *See adv index at end of book*


NEW Radiator Trap

SARCO

For vacuum, vapor and low pressure steam heating systems. Supplied in ⅜", ½" and ¾" sizes.



New Feature

**Diaphragm spirally corrugated.**

**Valve Head a ball freely turning in a socket.**

Trap is self-adjusted for vacuum or any pressure up to 20 lbs.

*Large strainer fitted into each trap*

SARCO COMPANY, Inc.

8 PARK PLACE NEW YORK


## 15903—Traps (Rat & Mouse)

Abingdon Trap Co. ("It," "O. K.," "Ell," "Nox"), Abingdon, Ill.
**Bumann Mfg. Co. ("Open Door"), Litchfield, Ill.**
Darby Edw. & Sons Co. ("French American"), 412 N. 18th, Phila., Pa.

Delphos Mfg. Co. ("Lightning Re-set"), 1st & Pierce, Delphos, O.
Detroit Wire & Iron Works ("Smith's Never Escape" & Improved "Morty" Pattern), 1160 Jefferson av, E., Detroit, Mich.
**E-Z Mfg. Co. ("E-Z-Ketch"), Galesburg, Ill.**
Fort Dearborn Mfg. Co. ("Shur Shut" Mouse), Sterling, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
**Lovell Mfg. Co. ("Erie," "Star," "Rex," "Dead Easy," "Easy-Setting, Wood Choker"), Erie, Pa.**
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Niagara Falls Metal Stamping Works ("Enticer" Rat Traps), Niagara Falls, N. Y.
Oneida Community (Ltd.), ("Official"), Oneida, N. Y.
Osborn J. K. Mfg. Co., Harrison, N. J.
Reed Evan L. Mfg. Co., (Shelf-Setting), Sterling, Ill.
Shann Mfg. Co. ("Chasse" & "Acme" Patent), Middletown, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Stansbury H. O. Co., 415 Commerce, Phila., Pa.
Streeter N. R. & Co. ("Knock-out"), Rochester, N. Y.
Swartz H. D. (Rat), Scranton, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co. (Wire & Wood Bottom), Worcester, Mass.
Wolverton Mfg. Co. ("Surprise" Self Setting), Holton, Kansas
Worcester Wire Novelty Co. ("Hold-Em"), Emerson Tower bldg, Baltimore, Md.

## 15904-5—Traps (Refrigerator)

Central Brass Mfg. Co., 6206 Cedar, Cleveland, O.
Modern Iron Wks., Quincy, Ill.
National Refrigerators & Fixture Co., 827 Koeln av, St. Louis, Mo.
Prier Brass Mfg. Co. ("Standard"), Kansas City, Mo.
**Worns & Kemp, 287 W 127th, New York**

## Traps (Return)

**See Traps, Steam**

## 15906— Traps (Sewer Gas)

Barrett Jas. Mfg. Co. ("Barrett"), 117 Pearl, Boston, Mass.
**Blake Specialty Co., Rock Island, Ill.**
Boston Brass Co. ("B.B."), 135 Bacon, Waltham, Mass.
*See adv index at end of book*
Central Foundry Co. ("Sure-Seal," "Lynn" Drain, etc), 90 West , New York
Dececo Co., 157 High, Boston, Mass.
Detroit Sanitary Supply Co. ("Clean Sweep" Non-Syphoning), 1191 2nd, Detroit, Mich.
**Dubois F. N. & Co. (Anti-Syphon Trap Vent), 247 9th av, New York**
Edwardsville Brass Co., Edwardsville, Ill.
Federal-Huber Co. ("Protector," Non-Syphoning), 234 N Halsted, Chicago, Ill.
Hydraulic Specialty Co., 427 Walnut, Phila., Pa.
Jenkins Mfg. Co. ("Sanos"), Bloomfield, N. J.
Modern Iron Wks., Quincy, Ill.
**Monarch Brass Co. ("Bower"), Cleveland, Ohio**
Mott J. L. Iron Works, Trenton, N. J.
Park & McKay, 55 Bagley av, Detroit, Mich.
Providence Steam Trap Co. (Lead & Brass), 16 Diamond, Providence, R. I.
Sproul & McGurrin Co. ("Excelsior" Grease Traps), Grand Rapids, Mich.
**Stary Frank & Sons, Cedar Rapids, Ia.**
Townsend Foundry & Machine Shop Co. For Street Receiving Basins), B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*
Wolf Mfg. Co., 255 N Hoyne av, Chicago, Ill.

## 15907—Traps (Sewer, Tide & Back Water)

Advance Mfg. Co. ("Palmer"), Erie, Pa.
Barrett Jas. Mfg. Co. ("Barrett"), 117 Pearl, Boston, Mass.
**Blake Specialty Co., Rock Island, Ill.**
**Boston Brass Co. ("Acme") 135 Bacon, Waltham, Mass.**
*See adv index at end of book*
McAuliffe Non-Siphoning Trap Co. ("McAuliffe"), 127 Purchase, Boston, Mass.
Modern Iron Wks., Quincy, Ill.
Pier Brass Mfg. Co. ("Standard" & "Sieben"), Kansas City, Mo.
Townsend Fdry. & Machine Shop Co., B'way & Rensselaer, Albany, N. Y.
*See adv index at end of book*

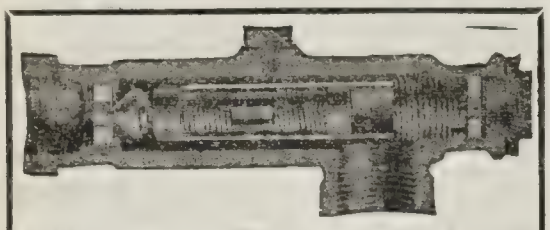
## 15908— Traps (Steam)

Acton John ("Old Reliable" Expansion Traps), 118 John, Brooklyn, N. Y.
**Albany Steam Trap Co. ("Blessing"), Albany, N. Y.**
**Alert Pipe & Supply Co., Bay City, Mich.**
Allentown Experimental Works, Allentown, Pa.
American Blower Co. ("Detroit"), 1400 Russell, Detroit, Mich.
**American District Steam Co. "Holly," "Empire," "American"), North Tonawanda, N. Y.**
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**American Steam Gauge & Valve Mfg. Co. ("American Ideal"), 208 Camden, Boston, Mass.**
**ANDERSON V. D. CO. ("Anderson"), W 96th, Cleveland, O.**
*See adv index at end of book*
**Armstrong Machine Works, Three Rivers, Mich.**
Atwood & Morrill ("XXth Century"), 48 Loring av, Salem, Mass.
**Automatic Steam Trap & Specialty Co., 2707 Vestry av, Cleveland, O.**
**Automatic Steam Trap & Specialty Co. ("Barton" Expansion), 316 Harper av, Detroit, Mich.**
**Barton John W. ("Barton"), 2707 Vestry av, Cleveland, O.**
Berry Engineering Co., Chester, Pa.
**Boston Machine Works Co., Lynn, Mass.**
**Burrows Mfg. Co., York, Pa.**
Central Station Steam Co., 710 Woodbridge, Detroit, Mich.
**Consolidated Engineering Co. ("Van Auken"), 507 W Jackson blvd, Chicago, Ill.**
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Davis G. M. Regulator Co., 434 Milwaukee av, Chicago, Ill.
**D'ESTE JULIAN CO.** ("Curtis" Expansion, Return, Balanced, etc), 26 Canal, Boston, Mass.
*See adv index at end of book*
**Dunham C. A. Co. ("Dunham" Drain Valve & Steam Trap for Radiators), 343 S. Dearborn, Chicago, Ill.**
Elliott B. K. Co. ("Elliott"), 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
**Engineers Appliance Co. ("Hydromatic"), Cleveland, O.**
Fanke F. Steam Trap Co., Milwaukee, Wis.
Flinn, Richard J., West Roxbury Station, Boston, Mass.
**Fogarty James H., 126 Liberty, New York**
**Ford Thos. P. Co. (Compound), 407 Broome, New York**
Foskett & Bishop Co. ("Fosket & Bishop"), New Haven, Conn.
Garratt W. T. & Co. ("McKellar"), 299 Fremont, San Francisco, Cal.
**General Fire Extinguisher Co. ("Providence," Improved Float), Providence, R. I.**
Glenn Fred E., St. Charles, Ill.
**Glover Bros. ("John Glover," "Jones"), Paul & Vandyke, Phila., Pa.**
**Gold Car Heating & Lighting Co. (Steam Traps for Heating Systems), 17 Battery pl, New York**
**Golden-Anderson Valve Specialty Co. ("Golden" Tilting), Fulton bldg, Pittsburgh, Pa.**
**Haines William S. & Co. ("Heintz"), 12th & Buttonwood, Phila, Pa.**
Halsey Mfg. Co., 1211-1215 Tolbert, Phila., Pa.
Hennebohle, Frank, 81st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*
**Hoffmann B. Mfg. Co. ("Hoffmann"), 257 6th, Milwaukee, Wis.**
Hornung J. C., 343 S Dearborn, Chicago, Ill.
Hughson Steam Spec. Co. ("Eclipse"), W 21st & S Racine av, Chicago, Ill.
**Hussey, McCann & Co. ("Peerless"), 87 Warren, New York**
Illinois Engineering Co. ("Eclipse"), W 21st & S Racine avs, Chicago, Ill.
**Jenkins Bros. ("Diamond"), 80 White, New York**
**Johnston Robt. C. & Co. ("Smith"), 620 Lodge, Cincinnati, O.**
Keeble Alex K., Lawrence, Mass.
**Kelly-Derby Co., Peoples Gas bldg, Chicago, Ill.**
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
**Kieley & Mueller ("Standard" & "Champion"), 34 W 13th, New York**
**Kitts Mfg. Co., Oswego, N. Y.**
**Kitts Steam Specialty Co., Oswego, N. Y.**
**Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.**
Konold M. J. Co., Bessemer bldg, Pittsburgh, Pa.
**Lawler Regulator Co. ("Lawler's," "Empire" & "Monitor," "Lawler's" Duplex & Return Trap), 55 W Houston, New York**
Lawler Water Feed & Damper Regulator Co., 55 W Houston, New York
**Linton Machine Co. ("Komo"), 26 Cortlandt, New York**
**Lytton Mfg. Corp. ("Lytton" Separating; also Return & Vacuum), Franklin, Va.**
McAlear Mfg. Co., 1901 So. Western av, Chicago, Ill.
**McAuley Automatic Trap Co. ("McAuley" Automatic), Imperial Power bldg, Pittsburgh, Pa.**
**McNab & Harlin Mfg. Co., 55 John, New York**
**Marsh Jas. P. & Co. ("Original Reflux," "Reflux Junior," "Reflux Forty," "Marsh Blast" Vacuum), 118 S Clinton, Chicago, Ill.**
**Mitchell W. K. & Co. ("Denny" High & Low Pressure), 2940 Ellsworth, Philadelphia, Pa.**
**Monash-Younker Co. ("Mo-Yo-Co," "Fidelity" & "Monash"), 1407 W Jackson blvd, Chicago, Ill.**
**Morehead Mfg. Co. ("Morehead" Non-Return, Return, Vacuum & Condenser), Detroit, Mich.**
**Mott J. L. Iron Works ("Tobey"), Trenton, N. J.**
**Nashua Machine Co. ("Bundy"), Nashua, N. H.**
**Nason Mfg. Co., ("Nason," "Nason-Vesuvius," "Nason-Sidelug," "Nason Class B" & "Nason Class C"), 71 Fulton, New York**
Mushet W. E. Co. (Jobbers), 502 Mission, San Francsico, Cal.
National Supply Co., Toledo, O.
Newhall Geo. M. Engng. Co. ("Vance"), Commercial Trust bldg, Philadelphia, Pa.
Nichols E. M. ("Handy"), 212 W Washington sq, Phila., Pa.
**NICHOLSON W. H. & CO.** ("Wyoming" & "Nicholson"), Wilkes-Barre, Pa.
Oliver & Howland Co. ("Howland"), Springfield, Mass.
Open Coil Heater & Purifier Co. ("Stickle") Indianapolis, Ind.
Pancoast Henry B. Co., ("Barr's"), 950 N. Front, Phila., Pa.
Paul Andrew G. Co. ("Paul"), 131 State, Boston, Mass.
Pearce W. H. & Co. ("Crescent"), 333 S Dearborn, Chicago, Ill.
Pittsburgh Valve & Fittings Co. ("Pittsburgh"),Frick bldg, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Plant Engineering & Equipment Co., Inc., 9 John, New York
**Pratt & Cady Co. ("Pratt" Return), Hartford, Conn.**
**Providence Steam Trap Co. ("Newton"), 16 Diamond, Providence, R. I.**
**Reliance Gauge Column Co. ("Reliance"), Cleveland, O.**
**Robertson Jno. F. Co. ("Little Giant" "R-P"), Park bldg, Pittsburgh, Pa.**
Rutzler Enoch Co. (Automatic), 404 E 49th, New York

**When writing to firms listed in this book please mention HENDRICKS' COMMERCIAL RECISTER**

TRAPS (STEAM)—continued

**SARCO CO., INC.** ("Sarco"), 8 Park pl, New York *See adv index at end of book*

**Steam Trap Sarco**

**FOR**

Low Pressures of 0-50 lbs., High Pressures of 50-200 lbs., and Vacuum Heating Systems. Operated by hydraulic motive power obtained by the expansion and contraction of an oil hermetically sealed in cartridge.

**Nearly a million steam traps of this type sold within ten years.**

SARCO COMPANY, Inc.

**8 PARK PLACE NEW YORK**


Shaw Benj. F. Co., Wilmington, Del.
Sorge A. Jr. & Co. ("Sorge" Registering Drainer), Monadnock blk, Chicago, Ill.
Squires C. E. Co. ("Genuine Squires"), 3934 Kelly av, Cleveland, O.
Standard Steam Specialty Co. ("Anderson"), 542 W B'way, New York
**Steam Appliance Co. ("Peters" Corliss Valve), Milwaukee, Wis.**
**Strong, Carlisle & Hammond Co. ("Strong"), 336 Frankfort av, N W, Cleveland, O.**
Sturtevant B. F. Co. ("Flynn," "Sturvant"), 15 Damon, Hyde Park, Boston, Mass.
**Tagliabue C. J. Mfg. Co., 18 33d, Brooklyn, N. Y.**
**Taylor Steam Specialty Co., Battle Creek, Mich.**
**Templeton Mfg. Co. ("Sterling"), Boston, Mass.**
**Thurtell B. W., 22 Quincy, Chicago, Ill.**
**Tillotson Humidifier Co. ("Ideal"), 78 Fountain, Providence, R. I.**
**Tyler Underground Heating System ("Tyler"), 855 Progress, Pittsburgh, Pa.**
**Vance-Vetter Co. ("Vance"), Phippo Power bldg, Pittsburgh, Pa.**
**Walworth Mfg. Co., Boston, Mass.**
**Watson & McDaniel Co. ("McDaniel," "Chapman," "Columbia"), 146 N 7th, Phila., Pa.**
**Western Kieley Steam Specialty Co. ("Boylston" Improved), 116 W Illinois, Chicago, Ill.**
**Williams D. T. Valve Co. ("Cookson"), Cincinnati, O.**
**Williams Gauge Co. ("Williams" Steam Operated), 543 4th av, Pittsburgh, Pa.**
Winner Co. ("Winner"), 30 Church, New York
**Wright-Austin Co. ("Wright Emergency" High Pressure & "Victor" Low Pressure), 97 Woodbridge av, W, Detroit, Mich.**

## 15909—Traps (Steam, Railway)

McAlear Mfg. Co., 1901 So. Western av, Chicago, Ill.
**SARCO CO., INC.** ("Sarco"), 8 Park pl, New York *See adv index at end of book*
**Vapor Car Heating Co., 1450 Railway Exchange, Chicago, Ill.**
**Williams D. T. Valve Co., Cincinnati, O.**

## 15910-11— Traps (Stench)

Acheson Mfg. Co. (Brass Only), Rankin, Pa. *See adv index at end of book*
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**Glenn Fred E. ("Dunstan"), St. Charles, Ill.**
Union Metal Works ("A. R. R. C."), Chelsea, Mass.

## Traps (Vacuum)

See Traps, Steam

## 15912— Traps (Waste)

Acheson Mfg. Co. (Brass Only), Rankin, Pa. *See adv index at end of book*
Dearborn Brass Co., Cedar Rapids, Ia.
Elgin Brass Co., 21 Park Row, New York
**McAuliffe Non-Siphoning Trap Co. ("McAuliffe"), 127 Purchase, Boston, Mass.**
Union Metal Works, Chelsea, Mass.
Young Joseph H. Co. ("Bay State," "Cambridge," "YCo." "Salem," "Springfield"), 82 High, Boston, Mass

## 15913— Traps & Targets (Trap Shooting)

Chamberlin Cartridge & Target Co. ("Blue Rock," "Legett"), 514 Prospect av, Cleveland, O.
**Morrill Target Co. (Clay Targets, Automatic & Hand Traps), Omaha, Nebr.**

## 15914— Travelers (Ferry)

**Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.**
**Dobbie Foundry & Machine Co., Niagara Falls, N. Y.**
*See adv index at end of book*

## 15915—Traveling Bags & Suit Cases

See also Trunk Manufacturers

Abel & Bach Co., Milwaukee, Wis.
**Ahlswede Mfg. Co., 126 N Los Angeles, Los Angeles, Cal.**
**Am. Suit Case Mfg. Co., 17 Walker, New York City**
**Barnum Trunk Co., 804 Nicollet, Minneapolis, Minn.**
**Belber Trunk & Bag Co., 1641 N Hancock, Philadelphia, Pa.**
Bleaman & Berg, 246 Spring, Paterson, N. J.
Boyle John & Co., 112 Duane, New York
**Brier, Fisher & Miller, 218 Arch, Philadelphia, Pa.**
Brooklyn Suit Case Mfg. Co., 76 Morgan pl., Brooklyn, N. Y.
Cleveland Leather Goods Co., 28 Noble, ct, Cleveland, O.
Columbus Fibre Box Co., N. W. cor. Hickory & Wall, Columbus, O.
Cramer & Sherr, 429 E. Moyer, Philadelphia, Pa.
**Crane Bros., Westfield, Mass.**
**Crouch & Fitzgerald, 177 B'way, New York**
**Deitsch Bros., 14 E 17th, New York**
Dresner S. & Sons, 500 Peoria, Chicago, Ill.
Dresner & Wein, 147 W Austin av, Chicago, Ill.
**Eau Claire Trunk Co., Eau Claire, Wis.**
Effbee Co., 306 S Franklin, Chicago, Ill.
Eichenbusch J. W. Co., 120 Ann, Chicago, Ill.
Elgensom Bros., 771 Mather, Chicago, Ill.
**Excelsior Traveling Goods Co., 612 S Canal, Chicago, Ill.**
Excelsior Trunk Co., 606 Delaware, Kansas City, Mo.
**Fibre Specialty Mfg. Co., Kennett Square, Pa.**
**Galewski David, 181 Mercer, New York**
Galewski S., 321 B'way, New York
Gerding Geo. W., 405 Commerce, Phila., Pa.
Hahn A. & Co., 69 5th av, New York
**Harris R., 4824 S Main, Los Angeles, Cal.**
Hartmann Trunk Co., 626 S Michigan av, Chicago, Ill.
Haskell Bros., 165 W Green, Chicago, Ill.
Horton & Hubbard Mfg. Co., Somerville, Mass.
**Imperial Leather Mfg. Co., 847 W Harrison, Chicago, Ill.**
Kamlee Co., 448 E Water, Milwaukee, Wis.
Katz Bros, Leather Goods Co., 135 W 20th, New York
**Kaufmann K. & Co., 169 Murray, Newark, N. J.**
Kennebunk Mfg. Co. (Traveling, Extension, School, Laundry, Sample, etc), Milton, N. H.
Keystone Solether Corp. (Synthetic Bags), 320 Broadway, New York
**KNICKERBOCKER CASE CO.**, Fulton & Clinton, Chicago, Ill.
*See adv index at end of book*
**L. & Z. Suit Case Co., 644 5th av, Pittsburgh, Pa.**
**Lazard S. A., 221½ S Los Angeles, Los Angeles, Cal.**
Likly Henry & Co., Rochester, N. Y.
Lowy A., 18 Greene, New York
Lowy & Co., 79 Grand, New York
**Lust Wm., 927 Van Ness av, San Francisco, Cal.**
Mack Henry, 104 Prospect, Jersey City, N. J.
Maier Martin & Co., 102 Woodward, Detroit, Mich.
**Malm C. A., & Co., 2199 Folsom, San Francisco, Cal.**
**Mass. Dress Suit Case Co., 294 Harrison av, Boston, Mass.**
Mayer Max, 10th & Cherry, Phila., Pa.
Mead Traveling Bag Co., 147 W Austin av, Chicago, Ill.
**Meyer Bros., 234 N Front Philadelphia, Pa.**
Murell Leather Goods Co., 27 Sudbury, Boston, Mass.
National Veneer Products Co., Mishawaka, Ind.
**Newark Leather Goods Works, 28 Division pl, Newark, N. J.**
New England Trunk Co., 26 Chauncy, Boston, Mass.
Nobbe Kaphan Co., 301 Market, Newark, N. J.
Paulus John, 655 N May, Chicago, Ill.
**Pfisterer C. G., 800 E Jefferson, Los Angeles, Cal.**
**Phil. Leather Goods Co., 2nd & Race, Philadelphia, Pa.**
Racine Traveling Bag Co., Racine, Wis.
Rappeport R. E., 1700 W Monroe, Chicago, Ill.
**Raquet Bros., 117 N. J. R. R. av, Newark, N. J.**
Reed Edward E., Somerville, Mass.
**Reynolds Leather Goods Co., Putnam, Conn.**
**Ries & Hoelzel, 1020 Race, Philadelphia, Pa.**
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
**Rosenson D. & Sons Co., 1600 Baronne, New Orleans, La.**
St. Louis Leather Goods Co., 2509 S B'way, St. Louis, Mo.
Schmicki F., 873 B'way, New York
**Schmit Trunk & Bag Co., Oshkosh, Wis.**
Seattle Suit Case Mfg. Co., Seattle, Wash.
**Secor M. M. Trunk Co., Racine, Wis.**
**Seward Trunk & Bag Co., Petersburg, Va.**
Travelight Mfg. Co. ("Travelight"), 237 Lawrence, Phila., Pa.
**United Suit Case Co., 1345 5th av, Pittsburgh, Pa.**
**University Bag Co., 185 Franklin, Boston, Mass.**
**Waberski Bros., 6 Barbara, Newark, N. J.**
**Warren Leather Goods Co., Worcester, Mass.**
**Weingarten & Geberer, 90 Grand, New York**
**White F. H. Co., 1001 Hamilton, Philadelphia, Pa.**
**Wilt Chas. T., 221 W Madison, Chicago, Ill.**
**Zick Joseph, Rochester, N. Y.**

## 15916— Trays (Aluminum)

**Aluminum Goods Mfg. Co., Manitowoc, Wis.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Standard Aluminum Co., Two Rivers, Wis.**

## 15917— Trays (Ash)

**Dent Hardware Co., Fullerton, Pa.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Silver & Co., 304 Hewes, B'klyn, N. Y.**
Spielman Elec. Co. ("Seco"), 1931 B'way, New York

## 15917a— Trays (Barrow, Steel)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**JACKSON MFG. CO.**, Fourth & Boyd, Harrisburg, Pa. *See adv index at end of book*

## 15918— Trays (Brass)

Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
**Knapp Mfg. & Supply Co. (Bar, Candy, etc), 241 Water, New York.**

New York Stamping Co. ("Empress" Table), N 11th & Berry, Brooklyn, N. Y.
Ray Geo. A. Mfg. Co. (Also Nickel Plated), Buffalo, N. Y.
Sweeney W. H. Mfg. Co. (All Styles), 30 Main, Brooklyn, N. Y.

### 15918a— Trays (Cast Iron)

Clow James B. & Sons, Franklin & Harrison, Chicago, Ill.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
Wagner Mfg. Co. ("Wagner Ware"), Sidney, Ohio
Warren Foundry & Machine Co., Phillipsburg, N. J.

### Trays (Chopping, Wood)

See Bowls, Wood

### 15919— *Trays (Coin)

Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*
**Lamson Co., The (Metal), 100 Boylston, Boston, Mass.**

### 15919a— Trays (Counter)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*

### 15919b— *Trays-Developing (Vitreous Enameled)

Vitreous Enameling Co., Grant av, Cleveland, Ohio
*See adv index at end of book*

### 15919c—*Trays-Drying (Vitreous Enameled)

Vitreous Enameling Co., Grant av, Cleveland, Ohio
*See adv index at end of book*

### 15919d—*Trays (Enameled)

Vitreous Enameling Co., Grant av, Cleveland, O. *See adv index at end of book*

### 15919e—*Trays—Evaporating (Vitreous Enameled)

Vitreous Enameling Co., Grant av, Cleveland, O. *See adv index at end of book*

### 15919f— Trays (Fibre)

**Cordley & Hayes ("Fibrotta" Paper Fibre), Leonard, New York**
National Fibre & Insulation Co., Yorklyn, Del.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

### 15919g— Traps (Glass)

Corning Glass Works, Corning, New York

### 15920—Trays (Gold & Silver Plated)

**Weidlich Bros. Mfg. Co., Bridgeport, Conn.**

### 15921—Trays (Hard Rubber)

Tyer Rubber Co., Andover, Mass.

### 15921a— Trays (Jewelry)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*

### 15922—Trays (Knife & Fork)

**Bennett Mfg. Co. (Wood), Portland, Me.**
**Chapman-Sargent Co. (Wood), Piqua, Ohio**

### 15923— Trays (Letter)

**Andrews Wire & Iron Works, Rockford, Ill.**
**Barbee Wire & Iron Works ("Acme" Wire), 111 Washington, Chicago, Ill.**
**Erie Art Metal Co., Erie, Pa.**
Globe-Wernicke Co., 25 Carthage av, Cincinnati, O.
Meyers Fred J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Penn Art Steel Works, Erie, Pa.
Progressive Wire Goods Co. (Wire), 13th & Hamilton, Phila., Pa.
**Standard Wire Co. ("Standard" Wire), New Castle, Pa.**
Wickwire Spencer Steel Corp. ("Natwire" Wire), Worcester, Mass.
*See adv index at end of book*
Worcester Wire Novelty Co., Emerson Tower bldg, Baltimore, Md.

### 15924—Trays (Litho. Metal)

Shonk Chas. W. Co., Maywood, Ill.

### 15924a— Trays (Pen)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

### 15924b—*Trays (Perforated Vitreous Enameled)

Vitreous Enameling Co., Grant av, Cleveland, Ohio *See adv index at end of book*

### 15924c— Trays (Pin)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 15925— Trays (Serving)

Farber S. W., 147 S 5th, Brooklyn, N. Y.
Schiebe E. F., Somerville, Mass.
**Silver & Co. (Brass, Glass & Wood), 304 Hewes, B'klyn, N. Y.**

### 15925a—*Tray (Shoe & Slipper)

**Estes E. B. & Sons, 364 5th av, New York.** *See adv index at end of book*

### 15926— Trays (Steaming)

**Clark W. J. Co., Salem, O.**
**Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J.**
*See adv index at end of book*
**Milwaukee Brewers' Specialty Co., 1919 Milwaukee, Wis.**

### 15927— Trays (Wooden)

Berks Engng. Co. (Confectioners), Reading, Pa.
Bogert & Hopper, Inc. (Starch), 57 Barclay, New York
**ESTES E. B. & SONS (Counter, Pen, Pin, Jewelry, Starch, etc.), 364 5th av, New York** *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 15927a— *Trays & Vases

Schimper William & Co., 322-338 Ferry, Hoboken, N. J., & 33 Union sq, W. New York *See adv index at end of book*

### 15928—Treadles (Foot Power)

**Goodell-Pratt Co., Greenfield, Mass.**
**Hardinge Bros. (Automatic Locking), 4203 Ravenswood av, Chicago, Ill.**
**Shawmut Machinery Co., 82 Lincoln, Boston, Mass.**

### Treads (Car Step)

See Car Steps & Treads

### 15929—Treads (Dog Power)

See also Horse Powers

Dobson Mfg. Co., Rockford, Ill.
Gowanda Agricultural Works, Gowanda, N. Y.
McDermaid J., Rockford, Ill.

### 15930-1—Treads (Push Button Floor

**Ansonia Electrical Co. ("Daisy"), Ansonia, Conn.**
**Renim Specialty Co. ("Ideal"), Brighton, Boston, Mass.**

### Treads (Rubber)

See Mats & Matting, Rubber

### Treads (Safety)

See Stair Treads, Various Kinds; also Car Steps & Treads; also Steps, Safety Tread

### 15932—Treaters (Smut & Seed)

Fosston-Carpenter Co. ("Advance," "Cyclone," "Hart"), St. Paul, Minn.

### Tree Guards

See Wire Fence & Gates; also Iron Railings & Fences

### 15932a—Tree Guards (Wire & Wrought Iron)

Brown H. L. Fence & Mfg. Co., Oakley, Cincinnati, Ohio
**Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.** *See adv index at end of book*
**Galbraith C. C. & Son, 49 West, New York**

### 15933-4— Treenails

Galbraith C. C. & Son, 90 West, New York.
**Hoskins J. S. Lumber Mfg. Co. ("Locust" for Ship Purposes), Baltimore, Md.**
**Nashua Spool & Bobbin Co. (Locust & Oak), Grove Hall Station, Boston Mass.**

### 15935—Trestles (Painters' & Masons')

Berg John Mfg. Co., 5001 S Wells, Chicago, Ill.
Davenport Ladder Co., Davenport, Ia.
Fox Geo. S., 137 N. 6th, Phila., Pa.
Frizell Ladder Co., 135 Granite av, Boston, Mass.
Goshen Mfg. Co., Goshen, Ind.
Krewson T. C., 801 Master, Phila., Pa.
Moulton C. W. H. Co., Somerville, Mass.
Reilley Bros. Ladder Co., 324 W 41st, New York
Rich Pump Co., South & Depot, Cincinnati, Ohio
Safety Ladder Mfg. Co., Seattle, Wash.
Steel Scaffolding Co., Evansville, Ind.
Young Bros. Co., Worcester, Mass.

### 15936-7—Trestles (Shaft Hanging)

Portland Extension Ladder & Pole Co. ("Excelsior" Folding Extension Trestle or Scaffold Horse), 130 Orange, Newark, N. J.

### 15938—Trestles (Steel Frame)

**SCAIFE WM. B. & SONS CO.**, First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
Stolz Jos. & Son, Inc., 841 E 136th, New York

### 15939— Triangles

**Brown & Sharpe Mfg. Co. (Steel), Providence, R. I.**
**Defiance Mfg. Co., 23 E 41st, New York**
**Disston Henry & Sons (Steel), Tacony, Phila., Pa.**
Elliott B. K. Co. 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
Hallett Iron Works, Harvey, Ill.
Keuffel & Esser Co., Hoboken, N. J.
**Mound Tool Co. ("Mound"), 1203 S 7th, St. Louis, Mo.**

### 15940—Triangles (Line Wire)

Hallett Iron Works, Harvey, Ill.

### Triers

See Tryers

### 15941— Tribromphenol

Dow Chemical Co., Midland, Mich.

### 15941a— Trichlornapthalene

Condensite Co. of America, Bloomfield, N. J.

### 15942—Trimmers (Bolt Head)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, New York *See adv index at end of book*
Manville E. J. Machine Co., Waterbury, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

### 15943— Trimmers (Hedge)

American Axe & Tool Co., Glassport, Pa.
Disston Hy. & Sons, Tacony, Phila., Pa.
Stearns E. C. & Co. (Or Lawn), 450 Oneida, Syracuse, N. Y.

### Trimmers (Hoof)

See Parers, Hoof

### 15944—Trimmers (Lamp Wick)

Bridgeport Brass Co., Bridgeport, Conn.
Graef & Schmidt ("Twin-Brand" Imp.), 107 Chambers, New York
Ives H. B. Co. ("Barnard"), New Haven, Conn.

### 15945— Trimmers (Lawn)

Chadborn & Coldwell Mfg. Co. ("C. & C."), Newburgh, N. Y.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Granite State Mowing Machine Co. ("Capitol" Lawn Mower Pattern), Hinsdale, N. H.
Imperial Bit & Snap Co. ("Imperial"), Racine, Wis.
Northwestern Stamping Co. ("N. W."), Burlington, Ia.
Osmundson Spade Mfg. Co. ("Hawkeye" "Edgar"), Perry, Ia.
Phila. Lawn Mower Co. ("Philadelphia"), 3101 Chestnut, Phila., Pa.
Supplee-Biddle Hardware Co. ("Pennsylvania" Ball Bearing), 510 Commerce, Phila., Pa.
Townsend S. P. & Co., Orange, N. J.

### 15946—Trimmers (Linseed & Cottonseed Cake)

French Oil Mill Machinery Co., Piqua, O.

### 15947— Trimmers (Lumber)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Sawmill Machinery Co. ("American"), Hackettstown, N. J.
Clark Bros. Co., Olean, N. Y.
DeLoach Mill Mfg. Co., Bridgeport, Ala.
Diamond Iron Works ("Diamond" & "Harmon"), 2nd & 18th av, Minneapolis, Minn.
Enterprise Co., Columbiana, O.
Filer & Stowell Co., Milwaukee, Wis.
Fox Machine Co. ("Universal" Pattern Makers), Jackson, Mich.
Garland M. Co., Bay City, Mich.
Gordon Hollow Blast Grate Co. ("Tower"), Greenville, Mich.
Henderson W. K. Iron Works & Supply Co., Shreveport, La.
Howell R. R. & Co., 31st av, Minneapolis Minn.
Lane Mfg. Co., Montpelier, Vt.
Murray D. J. Mfg. Co., Wausau, Wis.
Phoenix Mfg. Co., Eau Claire, Wis.
Southern Engine & Boiler Mfg. Co., Jackson, Tenn.
Standard Saw Mill Machinery Co., Erie, Pa.
Stearns Co., Erie, Pa.
Stellman L. H. & Son, Brattleboro, Vt.
Union Iron Works, Bangor, Me.
United States Machine Co., Williamsport, Pa.
Wheland Co., Chattanooga, Tenn.

### 15948—Trimmers (Paper Hangers')

See also Tools, Paper Hangers

Allen A. & Co. ("Climax," "Eclipse," "Triumph," "Keystone" Hand & Power), 2001 Carpenter, Phila., Pa.
Bullock Mfg. Association, Springfield, Mass.
Ridgely Trimmer Co., Springfield, O.

### 15949—Trimmers (Photograph)

Fletcher, Terry Co., Forrestville, Conn.
Jacques John & Son, Worcester, Mass.
Monce S. G. Unionville, Conn.

### 15950—*Trimmers (Sheet Metal)

**BLISS E. W. CO.,** 19 Adams, Brooklyn, N. Y. *See adv index at end of book*

### 15951— Trimmers (Slate)

Ruggles Machine Co., Poultney, Vt.

### 15952-3—Trimmers (Spoke)

See also Pointers

Artistic Bronze Co., Bridgeport, Conn.
Beereis & Bossick Co., Div. of The Bossick Co., Bridgeport, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Frost C. L. & Son, Grand Rapids, Mich.
**GRAND RAPIDS BRASS CO.** (Metal Escutcheons, Knobs, Pulls, Hinges, etc), Grand Rapids, Mich.
*See adv index at end of book*
Ives W. A. Mfg. Co. ("Ives"), Wallingford, Conn.
Keeler Brass Co., Grand Rapids, Mich.
**KNAPE & VOGT MFG. CO.,** Grand Rapids, Mich.
*See adv index at end of book*
National Lock Co. (Brass & Plate), Rockford, Ill.
Novelty Mfg. Co., (Metal), Waterbury, Conn.
Schlegel Mfg. Co., Rochester, N. Y.

### 15954— Trimmers (Tree)

See also Shears, Pruning

Atkins E. C. & Co., Indianapolis, Ind.
Klein Mathias & Sons ("Klein's"), 3200 Belmont av, Chicago, Ill.
Ransome Mixer Co. (With or Without Saw), 165 E. B'way, New York
Smith Seymour & Son, Oakville, Conn.

### Trimmers (Wall Paper)

See Trimmers, Paper Hangers

### 15955—Trimmings (Bedstead)

American Ring Co., Waterbury, Conn.
Pritchard Stamping Co. (Brass), Rochester,, N. Y.
Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Schultze Mfg. Co., 46 Lawrence, Newark, N. J.
**WATERBURY MFG. CO.,** Waterbury, Conn

### 15955a— *Trimmings (Blind)

**STANLEY WORKS,** New Britain, Conn. *See adv index at end of book*

### 15956—Trimmings (Boat & Launch)

Detroit Arch'l Iron Works Co., Book bldg, Detroit, Mich.
Laughlin Thos. Co., Portland, Me.
Liberty Brass Works, 305 W Lombard, Baltimore, Md.
Minneapolis Brass & Iron Mfg. Co., 115 N 9th, Mnnneapolis, Minn.
Twentieth Century Brass Works Co., 514 5th av S, Minneapolis, Minn.

### Trimmings (Car)

See Car Trimmings

### 15957— Trimmings (Casket)

Elgin Silver Plate Co., Elgin, Ill.
Imperial Carving Co., Allegan, Mich.
International Silver Co., Meriden, Conn.
Rogers Silver Co., Westfield, Mass.
Schlegel Mfg. Co., Rochester, N. Y.
Syracuse Ornamental Co., Syracuse, N. Y
Westfield Plate Co., Thompsonville, Conn.

### 15958—Trimmings (Fancy Box)

Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
Stimpson Edw. B. Co. (Also for Cigar Boxes), 68 Franklin av, Brooklyn, N.Y.

### 15959—Trimmings (Furniture)

American Ring Co. (Brass), Waterbury, Conn.
Artistic Bronze Co., Bridgeport, Conn.
Beereis & Bossick Co. Div. of The Bossick Co., Bridgeport, Conn.
Brainerd Mfg. Co., East Rochester, N. Y.
Ellison Brass Mfg. Co., Jamestown, N. Y.
Frost C. L. & Son, Grand Rapids, Mich.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**GRAND RAPIDS BRASS CO.** (Metal Escutcheons, Knobs, Pulls, Hinges, etc), Grand Rapids, Mich.
*See adv index at end of book*
Keeler Brass Co., Grand Rapids, Mich.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
National Lock Co. (Brass & Plate), Rockford, Ill.
Novelty Mfg. Co. (Metal), Waterbury, Conn.
Schlegel Mfg. Co., Rochester, N. Y.

### 15960— Trimmings (Halter)

Frazer & Jones Co. ("Eames," "Excelsior," etc), Syracuse, N. Y.
North & Judd Mfg. Co. ("Anchor Brand" etc), New Britain, Conn.

### 15961— Trimmings (Harness)

Enterprise Mfg. Co. (Saddlery Trimmings), Akron, O.
Rubber & Celluloid Products Co. (Rubber & Celluloid), 56 Ferry, Newark, N. J.

### 15962—Trimmings (Lavatory Door)

Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill. *See adv index at end of book*

### 15963—Trimmings (Refrigerator)

Arcade Mfg. Co., Freeport, Ill.
Brainerd Mfg. Co., East Rochester, N. Y.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
**DENT HARDWARE CO.,** Fullerton, Pa.
**GRAND RAPIDS BRASS CO.,** Grand Rapids, Mich. *See adv index at end of book*
Tiebout W. & J., 118 Chambers, New York

### Trimmings (Saddlery)

See Trimmings, Harness

### 15964—Trimmings (Smoking Pipe)

Novelty Mfg. Co. (Brass), Waterbury, Conn.
Weber-Knapp Co. (Smoker Sets), Jamestown, N. Y.

### Trimmings (Stove)

See Stove Trimmings

### 15965—Trimmings (Table Cuttlery)

Novelty Mfg. Co., Waterbury, Conn.

### 15966— Trimmings (Umbrella & Parasol)

Schlegel Mfg. Co., Rochester, N. Y.
Woolson James B., Watertown, Conn.

### 15966a—*Tri-Nitro-Toluol Apparatus

Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*

### 15966b— Tripods

Gorham Co., Architectural Bronze, 5th av & 36th, New York
Reed Evan L. Mfg. Co. (For Baskets) Sterling, Ill.

### 15967— Tripods (Drill)

Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*

### 15968—Tripods (Engineers')

Gurley W. & L. E. (For Transits, Levels, Compasses & Plane Tables), Troy, N. Y.
Ulmer J. C. Co., E. 38th & Kelly, Cleveland, O.

## 15969—*Tripods (Portable Folding)

**SPIEDEL JOHN G.** (For Hoists), Reading, Pa. *See adv index at end of book*

## 15970— . Tripoli

See also Composition, Buffing

American Tripoli Co. (Pure Tripoli Flour), Seneca, Mo.
Callery W. W. & Co., Pittsburgh, Pa.
Cohutta Talc Co. (Miners' & Refiners'), Dalton, Ga.
Chrystal Chas. B., 13 Cliff, New York
*See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Fuller Ralph L. & Co. Inc., 1 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Mepham Geo. S. & Co., 20th & Lynch, East St. Louis, Ill.
Munning A. P. & Co., Mattawan, N. J.
**OXFORD TRIPOLI SALES CO. INC.** (Infusorial), 11 B'way, New York
Waddell R. J. & Co. (Imp.), 52 Beekman, New York
Wiarda John C. & Co. (Composition), 278 Greene, Brooklyn, N. Y.

## 15971— Trippers (Belt)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa. *See adv index at end of book*
Webster Mfg. Co., 4500-60 Courtlandt, Chicago, Ill.
*See adv index at end of book*

## 15972— Triturators

Coldwell-Wilcox Co., Newburgh, N. Y.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.

## 15973— Trocars (Bull Nose)

Baird Company, Plainfield, N. J.

## 15974— Trolley Ears

Allen Fire Dept Supply Co., 159 Aborn, Providence, R. I.
Anderson Albert & J. M. Mfg. Co., 289 A, Boston, Mass.
Chester Ry. Supply Co. ("Dyer"), Chester, Pa.
Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Drew Electric & Mfg. Co., Indianapolis, Ind.
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Eureka Co., North East, Pa.
**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*
**MORE-JONES BRASS & METAL CO.,** B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*

## Trolley Harps or Forks

See Forks, Trolley; also Trolley Line Materials

## 15975—Trolley Line Materials

See also Railway Supplies, Electric

American Mine Door Co., Canton, Ohio
American Safety Lamp & Mine Supply Co., Scranton, Pa.
Anderson Albert & J. M. Mfg. Co. (Overhead), 289 A, Boston, Mass.
Archbold-Brady Co. (Catenary Bridges Only), Syracuse, N. Y.
B. & K. Mfg. Co., New Britain, Conn.
Bayonet-Trolley-Harp Co. (Detachable Trolley Harp & Butterfly Sleet Cutter), Springfield, O.
Clark Elec. & Mfg. Co. ("Clark"), 149 B'way, New York
Columbia Machine Works & Malleable Iron Co. (Strain Line Anchor, etc), Atlantic av & Chestnut, Brooklyn, N. Y.
Creaghead Engineering Co. ("Creaghead"), 340 Main, Cincinnati, O.
Drew Electric & Mfg. Co., Indianapolis, Ind.
Eccles & Smith Co., 71 1st, San Francisco, Cal.
Electric Railway Equipment Co., Cincinnati, O.
Electric Materials Co., North East, Pa.
Electric Railway Equipment Co., Cincinnati, Ohio
Electric Service Supplies Co. ("Keystone"), 17th & Cambria, Phila., Pa.
Electrical Material Co. (Flexo & Semi-Flexo Trolley Cars; Mabir & Hivol Pins, etc.), 618 W. Jackson Blvd, Chicago, Ill.
Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
Eureka Co. (Trolley Ears, Splicers, etc), North East, Pa.
Flood City Mfg. Co. (Wheels, Harps, etc, for Mines, etc), Johnstown, Pa.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Gilbert & Sons Brass Fdy. Co., 4019 Forest Pk Blvd, St. Louis, Mo.
Hallett Iron Works ("Hallett"), Harvey, Ill.
Harrison Electric Co., 411 Van Brunt, Brooklyn, N. Y.
Hickey & Schneider (Specialties), Elizabeth, N. J.
International Insulating Corp., 25 W. 45th, New York.
Johns-Manville H. W. Co. ("J.-M." Overhead & Subway), Madison av & 41st, New York
Line Material Co., High Tension, S. Milwaukee, Wis.
Lord Mfg. Co., 105 W 40th, New York
Macallen Co., 16 Macallen, South Boston, Mass.
Miller Trolley Shoe Co. (Trolley Shoes), West Newton, Mass.
**MORE-JONES BRASS & METAL CO.,** B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
National Brass Mfg. Co. (Trolley Wheels & Harps), Rochester, N. Y.
Naugatuck Malleable Iron Co., Naugatuck, Conn.
**NUTTALL R. D. CO.** ("Union" "Standard" Trolley, Harps), McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
**OHIO BRASS CO.** (Overhead), Mansfield, O. *See adv index at end of book*
Phila. Electrical & Mfg. Co. ("Pemco" Feeder Arms, etc), 1236 N 31st, Phila., Pa.
Stuart-Howland Co., 234 Congress, Boston, Mass.
Traction Materials Co., 501 5th av, New York
**Union Electric Co., 31 Terminal wy, Pittsburgh, Pa.**
Virginian Electric & Machine Works, Charleston, W. Va.
Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.
**WESTINGHOUSE ELEC. & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 15975a—*Trolley Locomotives

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## Trolley Poles

See Poles, Various Kinds; also Ties, Poles & Posts

## 15975b—*Trolleys (Bucket)

Browning, Sommer, Adams Co., Cleveland, O., Mansfield, O. & College Point, New York *See adv index at end of book*

## 15976—Trolleys (Butchers' Beef)

Allbright-Nell Co., 5315 Western av., Chicago, Ill.
**Duncan J. Co., 7 Fulton plc., Boston, Mass.**
Gloekler Bernard Co., 1127 Penn av, Pittsburgh, Pa.

## 15977— Trolleys (Cable)

Bissell F Co., Toledo, Ohio
Hallett Iron Works ("Hallett"), Harvey, Ill.
Hanna Engineering Works ("Q. M. S."), 1764 Elston av, Chicago, Ill.
Sybilla Elevator & Machine Co., 214 W Ontario, Chicago, Ill.

## 15978—Trolleys (Electric Conveying)

Brown Hoisting Machinery Co., 4403 St. Clair, N. E., Cleveland, O.
Euclid Crane & Hoist Co., Euclid, Ohio
*See adv index at end of book*
**Farnham Mfg. Co., 39 Indiana, Buffalo N. Y.**
**GILBERT-GRANT CO.,** Grand Central Terminal, New York
*See adv index at end of book*
**LINK-BELT CO.,** 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 15979— Trolleys (Trunnion)

Erie Forge Co., Erie, Pa.

## 15980— Trolleys & Chairs (Cable Stringing)

Bissell F. Co. ("Security"), Toledo, O.
Central Telephone & Elec. Co. ("Arrow"), 310 N 11th, St. Louis, Mo.
Ransome Concrete Machinery Co., Dunellen, N. J.

## 15981—Trolleys & Trolley Tracks (Overhead)

**ARMINGTON ENGNG. CO.,** Euclid, Ohio
*See adv index at end of book*
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Aurora Door Hanger & Specialty Co., Aurora, Ill.
**Blethen Heigh R., 21 Park Row, New York**
Box Alfred & Co., 813 N Front, Phila., Pa.
Brown Hoisting Machinery Co., 4403 St. Clair, N E, Cleveland, O.
**Case Crane & Engineering Co. (I Beam) Columbus, O.**
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Chisholm-Moore Mfg. Co. (Geared & Plain Yoke Trolleys), 5046 Lakeside, Cleveland, O.
**COBURN TROLLEY TRACK MFG. CO.,** ("Coburn"), P. O. Box 127, Holyoke, Mass.
Curtis & Co. Mfg. Co. (Single I Beam Trolleys & Trolley System Parts), 1571 Kienlen av, St. Louis, Mo.
**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
*See adv index at end of book*
**Duncan J. Co. (For Rubber Mills), 7 Fulton pl, Boston, Mass.**
**Euclid Crane & Hoist Co., Euclid, O.**
*See adv index at end of book*
Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
Ford Chain Block Mfg. Co., 2nd & Diamond, Phila., Pa.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
**GILBERT GRANT CO.** ("I" Beam Hangers, "I" Beam Switches & Plain & Electric Trolleys), Grand Central Terminal, New York
*See adv index at end of book*
Harrington Edw. Son & Co., 17th & Callowhill, Phila., Pa.
Lane Bros. Co. (Trolley Carriers), Poughkeepsie, N. Y.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R. Ry., Phila., Pa.
*See adv index at end of book*
Lovejoy Tool Works (I Beam Trolleys), 319 W Ohio, Chicago, Ill.
*See adv index at end of book*
McCabe Hanger Mfg. Co. (Eye Beam), 425-426-428 W 25th, New York
*See adv index at end of book*
Maris Bros., 56th & Grays av, Phila., Pa.
Moore Franklin Co., Winsted, Conn.
**MYERS F. E. & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*
New Jersey Foundry & Machine Co. ("Delta" Hand & Electric Power), 89 West, New York
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
**Parlette H. Leslie, Media, Pa.**

TROLLEYS & TROLLEY TRACKS (OVERHEAD)—continued

**Pawling & Harnischfeger Co. (I Beam Electric), Milwaukee, Wis.**
*See adv index at end of book*
**Philadelphia Tram-Rail Co., Front & Tusculum, Phila., Pa.**
**Randall Tramrail Co., 335 N 2d, Phila., Pa.**
**READING CHAIN & BLOCK CORP.,** Reading, Pa. *See adv index at end of book*
**Richards-Wilcox Mfg. Co. ("Richards-Wilcox" Trolley Overhead Carriers), Aurora, Ill.**
**Ricker Mfg. Co., Rochester, N. Y.**
**Roeper Crane & Hoist Works, Reading, Pa.**
**Round D. & Son, Penn. R. R. & Henry, Cleveland, O.**
**SHEPARD ELECTRIC CRANE & HOIST CO.** (Electric, Plain & Geared, I-Beam), Montour Falls, N. Y.
*See adv index at end of book*
**SPEIDEL JOHN G., Reading, Pa.**
*See adv index at end of book*
**Stolz Jos. & Son Inc., 841 E 136th, New York**
**Stuebner G. L. Iron Wks., Queensboro Terminal, Long Island City, N. Y.**
*See adv index at end of book*
**Whitehead & Kales Iron Works, Beecher & M. C. R. R., Detroit, Mich.**
**Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.**
**Wright Mfg. Co. (High Speed), Lisbon, Ohio**
**Yale & Towne Mfg. Co. ("Yale" Crane-I-Beam & Plain Rail), Stamford, Conn.**

## 15982— Trommels (Rice)

**Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.**

## 15983— Troughs (Hog)

See also Troughs, Watering

**American Scale Co., Kansas City, Mo.**
**Clarke J. Q. Tank Co., Crawfordsville, Ind.**
**Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City, Mo.**
**Conner J. W. & Son (Cast Iron), Orangeville, Pa.**
**Dayton-Dowd Co. (Cast Iron), Quincy, Ill.**
**Dutton E. Q. & Co., Cato, N. Y.**
**East Bangor Mfg. Co. (Cast Iron), Bangor, Pa.**
**Foltz Mfg. & Supply Co., Hagerstown, Md.**
**Franklin Galvanized Ware Mfg. Co. (Galvanized Steel), Franklin, Ind.**
**Glor Bros. & Willis Mfg. Co., Attica, N. Y.**
**Kretchmer Mfg. Co. (Galvanized), Council Bluffs, Ia.**
**Loetscher-Ryan Mfg. Co. ("Star" Cast), Dubuque, Ia.**
**Martin Steel Products Co., Mansfield, Ohio**
**Maytag Co., Newton, Ia.**
**Milwaukee Corrugating Co. ("Milcor" All Metal), Milwaukee, Wis.**
**Munnsville Plow Co. (Cast Iron), Munnsville, N. Y.**
**Nebraska & Iowa Steel Tank Co., Omaha, Neb.**
**Northwestern Stamping Co. ("Northwestern Seamless"), Burlington, Ia.**
**Quinn Wire & Iron Works ("Daisy"), Boone, Ia.**
**Western Mfg. Co., Oskaloosa, Ia.**
**Whitacre J. E. Mfg. Co. (Galv., also Sheep), Rockford, Ill.**

## 15984— Troughs (Meat)

**Brecht Co., 1201 Cass av, St. Louis, Mo**
**Sterling Wheelbarrow Co. ("Sterling" Sanitary), Milwaukee, Wis.**

## 15985—Troughs (Watering)

**Barnes & Nuss Co. (Galvanized Steel), Grand Forks, N. D.**
**Buch's A. Sons Co. (Cast Iron & Steel), Elizabethtown, Pa.**
**Bushnell Tank Works, Bushnell, Ill.**
**Casey-Hedges Co. (Cast Iron Horse), Chattanooga, Tenn.**
**Central Foundry Co. (Cast Iron), 90 West, New York**
**Chicago Hardware Foundry Co., 546 W Washington, No. Chicago**
**Chicago Steel Tank Co., Cicero, Ill.**
**Columbian Steel Tank Co. (Galvanized Steel), New England bldg, Kansas City Mo.**
**East Bangor Mfg. Co. (Cast Iron Hog), Bangor, Pa.**
**Ephrata Foundry & Machine Works (Cast Iron, Portable Line), Ephrata, Pa.**
**Flint & Walling Mfg. Co. (Galvanized Steel), Kendallville, Ind.**
**Foltz Mfg. & Supply Co., Hagerstown, Md.**
**Franklin Galvanized Ware Mfg. Co. (Galvanized Steel), Franklin, Ind.**
**Harry Bros. Co. ("Harry's," Corrugated Galvanized Iron), Carr & I. C. R. R., New Orleans, La.**
**Harry O. K. Steel Co. (Galvanized Steel), 2333-35 Papin, St. Louis, Mo.**
**Harry O. K. Steel Works (Feed), Dallas, Tex.**
**Heesen Bros. Co. (Cast Iron), Tecumseh, Mich.**
**Heller-Aller Co., Napoleon, O.**
**Honhorst Joseph Co., 1016 W 6th, Cincinnati, O.**
**Kelly Foundry & Machine Co. (Poultry), Goshen, Ind.**
**Kretchmer Mfg. Co. (Galvanized), Council Bluffs, Ia.**
**Littleford Bros., 444 E Pearl, Cincinnati, O.**
**Loetscher-Ryan Mfg. Co. ("Star" Cast for Hogs), Dubuque, Ia.**
**Martin Steel Products Co., Mansfield, Ohio**
**Milwaukee Corrugating Co. ("Milcoe" All Metal Feeding), Milwaukee, Wis.**
**Munnsville Plow Co. (Cast Iron), Munnsville, N. Y.**
**Nebraska & Iowa Steel Tank Co., Omaha, Neb.**
**Niles Steel Tank Co. (Galvanized Steel), Niles, Mich.**
**North Dakota Metal Culvert Co. (Galvanized Steel), Fargo, N. D.**
**Perkins Wind Mill Co., Mishawaka, Ind.**
**Standard-Elsmere Granite Co. (Concrete), 1752 N Spauding av, Chicago, Ill.**
**Wagner Mfg. Co., Sidney, Ohio**
**Walls Owen & Stambach Co. (Soaptone) 11th & Hamilton, Phila., Pa.**
**Weather-Proof Watering Trough & Tank Mfg. Co. (Concrete), Canton, Mo.**
**Weaver & Co. (Steel), New Oxford, Pa.**

## 15986— Trowels

**Arcade Mfg. Co. (Steel Garden, etc), Freeport, Ill.**
**Billings Union Trowel Works (D. W. Gray Co.), Irvington, N. J.**
**Bishop Geo. H. & Co. (Plasterers'), Lawrenceburg, Ind.**
**Browne & Dowd Mfg. Co. (Plastering). Meriden, Conn.**
**Buffum Tool Co. ("Swastika", Plastering Brick, Bent Blade Garden Transplanting, Handy Pointing, etc), South Side, Louisiana, Mo.**
**Crescent Novelty Mfg. Co. (Handle, Edge, Outside Corner of Angle), 703 S B'way, St. Louis, Mo.**
**Disston Henry & Sons (Garden, Brick, Plastering, Edging, Cementing, etc), Tacony, Phila., Pa.**
**Goldblatt H. Tool Co. ("Goldblatt"), 213 E 15th, Kansas City, Mo.**
**Hills Edwin (Garden), Plainville, Conn.**
**Kensington Hdwe. & Tool Mfg. Co. (Brick, etc.), 410 Mechanic, Germantown, Phila., Pa.**
**Kohler F. E. Co. (Garden, etc), Canton, O.**
**Landers, Frary & Clark (Garden), New Britain, Conn.**
**Lothrop H. A. & Co., Sharon, Mass.**
**Marshalltown Trowel Co. (Plasterers', Brick, etc), Marshalltown, Ia.**
**Maynard C. A. (Garden Brick, etc.), Northampton, Mass.**
**Potter Mfg. Co. (Brick, Pointing, Garden, Florists, etc), Geneva, O.**
**Reading Saddle & Mfg. Co. (Plastering, Florists, Brick, Garden, etc), Reading, Pa.**
**Rose Wm. & Bros., Sharon Hill, Pa.**
**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**
**Stortz Jno. & Son (Cement Workers, Putty, Paint, etc), 210 Vine, Phila., Pa.**
**Union Furnace Mfg. Co., Union Furnace, Pa.**
**Western Steel & Iron Works (Garden), De Pere, Wis.**

## 15987— Trowels (Butter)

**Landers, Frary & Clark (Also Butter Spades, etc), New Britain, Conn.**
**NICHOLS BROS. ("Nichols Bros."), Greenfield, Mass.**

## 15988—Trowels (Concrete Finishing)

**Arrowsmith Concrete Tool Co., Arrowsmith, Ill.**
**Bishop George H. & Co., Lawrenceburg, Ind.**

## 15989— Trowels (Garden)

**Arcade Mfg. Co. (Steel, etc), Freeport, Ill.**
**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**
**Disston Henry & Sons, Tacony, Phila., Pa.**
**Hills Edwin, Plainville, Conn.**
**Johnson Wm. (Hedenberg Works), Newark, N. J.**
**Kingsbury Mfg. Co., Keene, N. H.**
**Kohler F. E. Co., Canton, O.**
**Landers, Frary & Clark, New Britain, Conn.**
**Mason & Parker Mfg. Co., Winchendon, Mass.**
**Maynard C. A., Northampton, Mass.**
**N. Y. Stamping Co. ("Primrose"), N 11th & Berry, Brooklyn, N. Y.**
**Potter Mfg. Co., Geneva, O.**
**Western Steel & Iron Works, De Pere, Wis.**

## Trowels (Molders')

See Tools, Molders'

## 15990—Trowels (Plastering)

**Atkins E. C. & Co., Indianapolis, Ind.**
**Bishop George H. & Co., Lawrenceburg, Ind.**
**Browne & Dowd Mfg. Co., Meriden, Conn.**
**Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.**
**Clark W. J. Co., Salem, O.**
**Crescent Mfg. Co., 129 Reade, New York**
**Disston Henry & Sons, Tacony, Phila., Pa.**
**Goldblatt H. Tool Co., 213 E 15th, Kansas City, Mo.**
**Johnson Wm. (Hedenberg Works), Newark, N. J.**
**Kensington Hdwe. & Tool Mfg. Co., Germantown, Phila., Pa.**
**Marshalltown Trowel Co., Marshalltown, Ia.**
**Potter Mfg. Co., Geneva, O.**
**Reading Saddle & Mfg. Co. (Steel Blade), Reading, Pa.**
**Rose Wm. & Bros., Sharon Hill, Pa.**
**Sayre L. A. Co., 332 Mulberry, Newark, N. J.**
**S. & L. Co., Springfield, Mass.**

## Trowels (Putty)

See Knives, Putty

## 15991—Truck Bands (Rubber)

**Boston Belting Corp., 84 Linden Park, Boston, Mass.**
**Empire Tire & Rubber Corp., Trenton, N. J.**
**Goodrich B. F. Co., Akron, O.**
**Hamilton Rubber Mfg. Co., Trenton, N. J.**
**Home Rubber Co., Trenton, N. J.**
**Manhattan Rubber Mfg. Co., Passaic, N. J.**
**N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.**
**N. Y. Belting & Packing Co., 91 Chambers, New York**
**United & Globe Rubber Co., Trenton, N. J.**
**U. S. Rubber Co., 1790 B'way, New York**
**Whitehead Bros. Rubber Co., Trenton, N. J.**

## 15992—Truck Trailers (Automobile)

**Acme Wagon Co. ("Acme"), Emigsville, Pa.**
**Anchor Top & Body Co. ("Anchor"), C. H. & D. Ry, nr. Gest, Cincinnati, O.**
**Arcadia Trailer Corp., Newark, N. J.**
**Birdsall Engine Co., Newark, N. J.**
**Butler Co. ("Butler"), Butler, Ind.**
**Davenport Wagon Co., Davenport, Ia.**
**Defiance Carriage Co. ("Defiance"), Defiance, O.**
**Detroit Trailer Co., 35 Jos. Campau, Detroit, Mich.**
**Eagle Wagon Works, Auburn, N. Y.**
**Erie Trailer Mfg. Co. ("Erie"), Erie, Pa.**
**Eureka Co. ("Eureka"), Rock Falls, Ill.**
**Fruehauf Trailer Co., 1371 Gratiot av, Detroit, Mich.**
**Glen Wagon & Car Corp., Cortland, N. Y.**

Hessner Henry & Son, 33 Bartlett, Brooklyn, N. Y.
Kentucky Wagon Mfg. Co., Louisville, Ky.
King Trailer Co., Ann Arbor, Mich.
Lantz W. R. Mfg. & Supply Co., Muskogee, Okla.
Lee Loader & Body Co. (Reversible & Semi-Trailers), 2343 S La Salle, Chicago, Ill.
Lion Buggy Co. ("Lion"), C. H. & D. R. R., nr. Gest, Cincinnati, O.
Mansfield Steel Corp., 288 E Milwaukee av, Detroit, Mich.
Martin Carriage Works ("Martin"), York, Pa.
Martin Rocking Fifth Wheel Co., 21 Besse pl, Springfield, Mass.
Mercury Mfg. Co., 4118 S Halsted, Chicago, Ill.
Miami Trailer Co. ("Miami"), Troy, Ohio
Michigan Trailer Co., Kalamazoo, Mich.
Miles Co. ("Jackson"), Jackson, Mich.
Nagle John C., 431 Baker, Detroit, Mich.
Nonpareil Mfg. Co. ("Nonpareil"), Cochranton, Pa.
Northway Trailer Car Co. (High Speed), East Rochester, N. Y.
Ohio Motor Vehicle Co. ("Ohio"), Oakview & Nottingham, Cleveland, Ohio
Ohio Trailer Co., Nottingham & Oakview, Cleveland, O.
Parry Mfg. Co. ("Parry"), Indianapolis, Ind.
Powell Trailer Co., Corry, Pa.
PRESS JACOB SONS, 300 N Halsted, Chicago, Ill.
Randolph H. C. ("Randolph"), Jonesville, Mich.
Rogers Bros. Co. ("Rogers"), Albion, Pa.
Samson Trailer Works ("Samson"), Grand Rapids, Mich.
Shadbolt Mfg. Co., 68 Flushing av, Brooklyn, N. Y.
Sherwood Bros. Mfg. Co., Canastota, N. Y.
Simplex Short Turn Trailer Co., Auburn, Ind.
Sior Heinrich, 245 Floyd, Brooklyn, N. Y.
Standard Trailer Co. (Two Wheel), Cambridge Springs, Pa.
Trailmobile Co. ("Trailmobile"), 5th & Culvert, Cincinnati, O.
Watson Wagon Co., Canastota, N. Y.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 15993-4— Trucks (Aerial)

American-La France Fire Engine Co., Elmira, N. Y.
Seagrave Co. (Motor Only), Columbus, O.

## 15995— Trucks (Ash Can)

Browne W. G. Mfg. Co. ("Handy"), Kingston, N. Y.
Clark Geo. P. Co., Windsor Locks, Conn.
Eureka Mower Co., 16 Hickory, Utica, N. Y.
Fairbanks Co., 416 Broome, New York
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 15996—Trucks (Assembling)

Clark Geo. P. Co., Windsor Locks, Conn.
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
Towsley John T. Mfg. Co., Cincinnati, O.

## 15997—Trucks (Automatic Loading)

Clark Geo. P. Co., Windsor Locks, Conn.
Cowan Truck Co., Holyoke, Mass.
LEWIS-SHEPARD CO. ("Jacklift" Master Truck), 577 E 1st, Boston 27, Mass.
*See adv index at end of book*
National Scale Co. ("National Chapman"), 11 Hendricks, Chicopee Falls, Mass.
Plimpton Elevating Truck Co., 70 5th av, New York

## 15998—Trucks (Automobile Wrecking)

Weaver Mfg. Co. ("Weaver" Auto Ambulance), Springfield, Ill.

## 15999—Trucks (Bag Holder)

Stevens Mfg. & Foundry Co., Decatur, Ill.

## 16000—Trucks (Bag & Barrel)

Adams Co. (Iron), Dubuque, Ia.
Armstrong Truck Co. (2 & 4 Wheel), North Wales, Pa.
Barnard & Leas Mfg. Co., Moline, Ill.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bowser N. P. Co. (Bag Holding Only), South Bend, Ind.
Buch's A. Sons Co., Elizabethtown, Pa.
Cardington Cabinet Co. ("Handy"), Cardington, O.
Chicago Scale Co., 7740 S Chicago av, Chicago, Ill.
Clark Geo. P. Co., Windsor Locks, Conn.
Comstock Geo. S. & Son (Bag), Mechanicsburg, Pa.
Conner J. W. & Son (Bag), Orangeville, Pa.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Eureka Mower Co., 16 Hickory, Utica, N. Y.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Getz M. & Co., 162 First, San Francisco, Cal
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Howe Chain Co., Muskegon, Ohio
Howe Scale Co., Rutland, Vt.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
*See adv index at end of book*
Knowles Scale Works (Ash Barrel Cans), Lowell, Mass.
Lansing Co., Lansing, Mich.
Lehr Agricultural Co., Fremont, O.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Messinger Mfg. Co., Tatamy, Pa.
Moore Truck & Mfg. Co., Trenton, Mich.
Nutting Truck Co. (2, 4 & 6 Wheeled), Faribault, Minn.
Peck C. A. Hardware Co. (Automatic Barrel), Berlin, Wis.
Phillips Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.
Sprout, Waldron & Co. (Bag), Muncy, Pa.
STANDARD SCALE & SUPPLY CO., LTD., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Universal Machine Co. (2 Wheel Hand), Bowling Green, O.
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Wolf Co., Chambersburg, Pa.
Wrightsville Hardware Co. (Bag), Wrightsville, Pa.
ZERING H. MFG. CO., Oakley, Cincinnati, Ohio *See adv index at end of book*

## 16001— Trucks (Baggage)

Ames Plow Co., Quincy Hall, Boston, Mass.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Automatic Transportation Co., 2933 Main, Buffalo, N. Y.
Bryan Mfg. Co., P. O. Box D, Bryan, O.
Buda Co., 80 E Jackson, Chicago, Ill.
Clark Geo. P. Co., Windsor Locks, Conn.
Covel Mfg. Co., Benton Harbor, Mich.
Cowan Truck Co. (Electric), Holyoke, Mass.
Elwell-Parker Electric Co. (Electric), Cleveland, O.
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fox Z. F. & Son, Freeport, Mich.
Hoagland Thayer, Inc., 300 Washington, Newark, N. J.
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Howe Scale Co., Rutland, Vt.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Kalamazoo Railway Supply Co. (Also Railroad Warehouse), Kalamazoo, Mich.
Karry Lode Industrial Truck Co., 100 Mott av, Long Island City, N. Y.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio *See adv index at end of book*
Lakewood Engrg. Co., Cleveland, Ohio
*See adv index at end of book*
Lansing Co., Lansing, Mich.
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
*See adv index at end of book*
Mercury Mfg. Co., 4118 S Halsted, Chicago, Ill.
Nutting Truck Co., Faribault, Minn.
Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.
Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Syracuse Chilled Plow Co., Syracuse, N. Y.
Walker Vehicle Co., 533 W 39th, Chicago, Ill.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
White Co., 79th & St. Clair, Cleveland, O.
Wright-Hibbard Industrial Elec. Trucks Co., Buffalo, N. Y.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16002—*Trucks (Barrel, Steel)

OHIO MFG. CO., P. O. Box 136, Painesville, O. *See adv index at end of book*

## 16003— Trucks (Basket)

Fairbanks Co., 416 Broome, New York
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
La Plante Choate Mfg. Co. (House), Cedar Rapids, Ia.
Nutting Truck Co., Faribault, Minn.
Peerless Wire Goods Co. (Wire), Lafayette, Ind.
Peru Basket Co. (Bamboo Truck, Rubber Tired Wheels), Peru, Ind.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16004—Trucks (Binder & Header)

Emerson Brantingham Co. ("E. B. Osborne" Binder), Rockford, Ill.
Harvester Co. (Binder), Batavia, N. Y.
Massey-Harris Harvester Co. (Binder), Batavia, N. Y.
Moline Plow Co. (Binder), Moline, Ill.
Winona Wagon Co. (Header), Winona, Minn.

## 16005— Trucks (Bottlers')

Clark Geo. P. Co., Windsor Locks, Conn.
*For branch houses see Alphabetical Section*
Fairbanks Co., 416 Broome, New York
Holyoke Truck Co., 110 Race, Holyoke, Mass.
LEWIS-SHEPARD CO. ("Jacklift" Master Truck), 577 E 1st, Boston 27, Mass.
*See adv index at end of book*
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16006— Trucks (Box)

Allsteelequip Co., Aurora, Ill.
Armstrong Truck Co., North Wales, Pa.
Clark Geo. P. Co., Windsor Locks, Conn.
Cleveland Wire Spring Co. (Steel), 1281 E 38th, Cleveland, O.
Dail Steel Products Co. (Steel), Lansing, Mich.
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
ELECTRIC WHEEL CO., Station D, Quincy, Ill. *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.
Globe Vise & Truck Co., Grand Rapids, Mich.
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Howe Chain Co., Muskegon, Mich.
Howe Scale Co., Rutland, Vt.
Kantslip Co. (Steel & Wood), Freeport, Mich.
Kilbourne & Jacobs Mfg. Co., Columbus, Ohio *See adv index at end of book*

TRUCKS (BOX)—continued

Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston 27, Mass.
*See adv index at end of book*
**Lyon Metallic Mfg. Co. ("Lyon" Steel),** Aurora, Ill.
McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
Nutting Truck Co., Faribault, Minn.
Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
**Plocher Andrew Sons Co. ("Gem" & Steel** Timber or Contractors' Dolly), Dayton, Ohio
Standard Scale & Supply Co., Ltd. ("The Standard"), 1631 Liberty av, Pittsburgh, Pa. *See adv index at end of book*
**Western Wheelbarrow Mfg. Co., South Ft.** Smith, Ark.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16007-8— Trucks (Brick)

American Clay Machinery Co., S Walnut, Bucyrus, O. *See adv index at end of book*
**Anderson Foundry & Mach. Works, An**derson, Ind.
**Arnold-Creager Co., New London, O.**
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**Fairbanks Co. (also Tile), 416 Broome,** New York
Fernholtz Brick Machinery Co., Boyle & Vandeventer av, St. Louis, Mo.
**International Clay Machy. Co., Dayton, O.**
**Kilbourne & Jacobs Mfg. Co., Columbus,** Ohio
*See adv index at end of book*
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
*See adv index at end of book*
Nutting Truck Co., Faribault, Minn.
Potts C. & A. & Co., Indianapolis, Ind.
Steele J. C. & Sons, Statesville, N. C.
Wellington Machine Co., Wellington, O.
**Western Wheelbarrow Mfg. Co., South Ft.** Smith, Ark.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16009— Trucks (Canvas)

Lane W. T. & Bro. (Canvas with Steel Frame), Poughkeepsie, N. Y.

## 16010—Trucks (Car, Steam & Electric)

American Steel Foundries (Steam), Commercial McCormick bldg, Chicago, Ill.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Baldwin Locomotive Works (Steam & Electric), Broad & Spring Garden, Phila., Pa.
Barney & Smith Car Co., Dayton, O.
Bemis Car Truck Co., Springfield, Mass.
Bettendorf Co. (All Steel for Steam Roads Only), Bettendorf, Ia.
Bloomsburg Car Mfg. Co., Bloomsburg, Pa.
Brill J. G. Co. ("Perfect," "Universal," "Ideal," "Eureka"), 62d & Woodland av, Phila., Pa.
Cincinnati Car Co., Spring Grove & Mitchell av, Cincinnati, O.
Commonwealth Steel Co. (Cast Steel, Four or Six-Wheel Truck Frame In One Piece), Pierce bldg, St. Louis, Mo.
Doble Motor Co. (Steam), Call bldg, San Francisco, Cal.
Egyptian Iron Works (Mine), Murphysboro, Ill.
Elect. Auto Sales Corp., Central Park W & 62nd, New York
Kuhlman G. C. Car Co., Adams av & L. S. & M. S. Ry., Cleveland, O.
Laconia Car Co. (Electric), 60 Congress, Boston, Mass. Works: Laconia, N. H.
Lincoln Steel & Forge Co. (Mine Cars Only) 5701 Natural Bridge av, St. Louis, Mo.
McGuire-Cummings Mfg. Co. ("Columbia," Electric, etc), Harris Trust & Savings bldg, Chicago, Ill.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Standard Car Truck Co. ("Barber" Roller-Bearing Passenger, Electric & Freight Car, Locomotive Tender, etc), 332 S Mich. av, Chicago, Ill.

Standard Motor Truck Co., Frick bldg, Pittsburgh, Pa.
Standard Steel Car Co. (Steel Frames & Underframes for Wooden Cars), A. V. R. R., Pittsburgh, Pa.
Taylor Electric Truck Co. ("Taylor Made"), Troy, N. Y.
Turl Iron & Car Co. (Inc.) The, 50 Broad, New York. Works: Newburgh, N. Y.
Valley Forging Co., Verona, Pa.
Wason Mfg. Co., Springfield, Mass.
Western Steel Car & Foundry Co., 122 S Michigan av, Chicago, Ill.
Zelnicker Walter A. Supply Co. (Dealer), 325 Locust, St. Louis, Mo.
*See adv index at end of book*

## 16011—*Trucks (Concrete Mixer)

**ELECTRIC WHEEL CO.,** Station D, Quincy, Ill. *See adv index at end of book*

## 16012—Trucks (Core Oven)

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
Republic Structural Iron Wks. Co., 1350 E 53rd, Cleveland, O.
Stolz Jos. & Son Inc., 841 E 136th, New York

## 16013-4— Trucks (Dolly)

Holyoke Truck Co., 110 Race, Holyoke, Mass.
Sterling Wheelbarrow Co. ("Sterling"), Milwaukee, Wis.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## Trucks (Dry Goods)

See Trucks, Store, Warehouse & Factory

## 16015— Trucks (Dry Kiln)

American Blower Co., 1400 Russell, Detroit, Mich.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Chase Foundry & Mfg. Co., 2700 Parsons av, Chicago, Ill.
*See adv index at end of book*
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Glascock Stove & Mfg. Co. (Steel Frame, Roller Bearing), Greensboro, N. C.
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Lansing Co., Lansing, Mich.
Michigan Truck & Lumber Co. ("Michigan"), Holly, Mich.
North Coast Dry Kiln Co., Seattle, Wash.
Nutting Truck Co., Fairbault, Minn.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Union Iron Works Co., Selma, Ala.
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
Youngstown Steel Car Co., Niles, Ohio
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16015a—*Trucks (Drying)

Clark Geo. P. Co., Windsor Locks, Conn.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16016—Trucks (Dye House)

Clark Geo. P. Co., Windsor Locks, Conn.
Fairbanks Co., 416 Broome, New York
Holyoke Truck Co., 110 Race, Holyoke, Holyoke, Mass.
**ZERING H. MFG. CO.,** Oakley, Cincinnati, O. *See adv index at end of book*

## 16016a— *Trucks (Electric, Storage Battery)

Lakewood Engineering Co., Cleveland, O.
***See adv index at end of book***

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND, OHIO, U.S.A.

## 16017— Trucks (Elevating)

Barrett-Cravens Co., 169 N Ann, Chicago, Ill. *See adv index at end of book*

BARRETT-CRAVENS CO.
BARRETT LIFT TRUCKS
169-173 N. Ann Street
CHICAGO, ILL.
*Phone Haymarket 7309*

**CHASE FOUNDRY & MFG. CO., ("Chase")** 2700 Parsons av, Columbus, O.
*See adv index at end of book*
Clark Geo. P. Co. ("Clark"), Windsor Locks, Conn.
Columbus Lift Truck Co., Columbus, O.
Cowan Truck Co. ("Transveyor") Holyoke, Mass.
Fairbanks Co., 416 Broome, New York
**HOLYOKE TRUCK CO.,** 110 Race, Holyoke, Mass.
Howe Chain Co., Muskegon, Mich.
Industrial Truck Co. (Electric), Holyoke, Mich.
**KOENIG EDWARD L.,** 23 W. Kinzie, Chicago, Ill. *See adv index at end of book*
**LEWIS-SHEPARD CO.** ("Jacklift" Master Truck), 577 E 1st, Boston 27, Mass.
*See adv. index at end of book*

JACKLIFT MASTER TRUCK
The 100% Elevating Truck
Lifts higher, easier, and in less space.
Capacities 2000-8000 lbs.
LEWIS-SHEPARD CO.,
577 E. First St., Boston 27, Mass.

National Scale Co. ("National Chapman"), 11 Hendricks, Chicopee Falls, Mass.
New Jersey Foundry & Machine Co. ("Delta"), 89 West, New York
Peabody & Sloan, Union Arcade bldg, Pittsburgh, Pa.
**Pilmpton Elevating Truck, 70 5th av, New York**
Stuebing Truck Co., W Court, Cincinnati, O.
Transmission Ball Bearing Co., 1056 Military rd, Buffalo, N. Y.

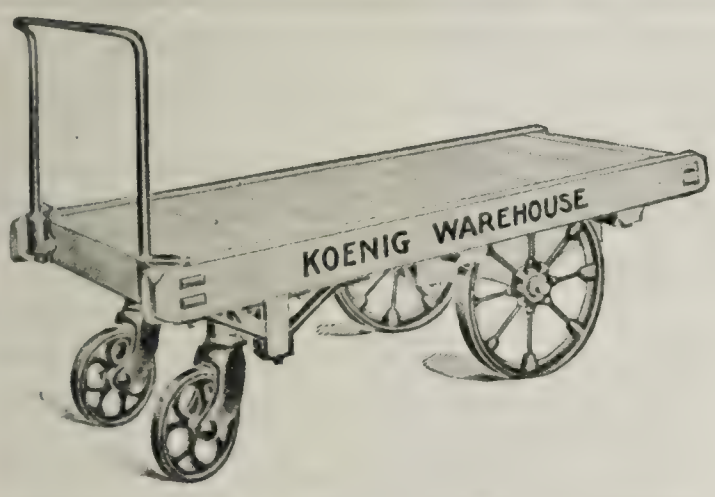
## 16017a— Trucks (Factory)

See also Trucks (Store, Warehouse & Factory)

**A. O. K. EQUIPMENT CO.,** 549 W Washington blvd, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**KOENIG EDWARD L.,** La Salle, nr Lake, Chicago, Ill.
*See adv index at end of book*
Lakewood Engng. Co., Cleveland, O.
*See adv index at end of book*

## 16018— Trucks (Farm)

Abingdon Wagon Co. ("Abingdon," "Superior," "Model," "Commonwealth," "Sturdy"), Abingdon, Ill.
Appleton Mfg. Co. ("Appleton" Metal Wheel, Batavia, Ill.
Chicago House Wrecking Co. of Minn., Inc. (Portable, Hand & Horse Drawn), 803 Fillmore av, St. Paul, Minn.
Deere John Wagon Works, Moline, Ill.
**ELECTRIC WHEEL CO.,** Station D, Quincy, Ill. *See adv index at end of book*
Elwell-Parker Electric Co., Cleveland, O.
Emerson-Brantingham Co. ("Overland"), Rockford, Ill.
**Empire Mfg. Co., Quincy, Ill.**
Equipment Mfg. Co., Leader News bldg, Cleveland, O.
**Fort Smith Wagon Co., Fort Smith, Ark.**
Francis Chas. E. Co., Rushville, Ind.
Gannett Electrical Co., 55 Pine, Providence, R. I.

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129 Bostwick Ave., Grand Rapids, Mich.
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Electric Industrial Trucks

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Steel Shop Boxes and Barrels

*No Truck Too Special for Us to Make*


Gillette Roller Bearing Co., Grand Rapids, Mich.
Graham Bros., Inc., Evansvile, Ind.
**Havana Metal Wheel Co., Havana, Ill.**
Howe Chain Co., Muskegon, Mich.
International Harvester Company of America (Inc.), ("Columbus," "Buckeye," "Monarch," "Keystone"), Harvester bldg, Chicago, Ill.
Kaysee Co., 519 W Monroe, Chicago, Ill.
Keller Mfg. Co., 1325 N E Quincy, Minneapolis, Minn.
**King & Hamilton Co., Ottawa, Ill.**
**Little J. R. Metal Wheel Co., Quincy, Ill.**
Michigan Mfg. & Lumber Co., Holly, Mich.
**Milburn Wagon Co., Toledo, O.**
Northwestern Motor Co., 759 Spring, Eau Claire, Wis.
**Pekin Wagon Co., Pekin, Ill.**
**Peru Plow & Wheel Co., Peru, Ill.**
Samson Tractor Co., Janesville, Wis.
Steel Truck Co., Howell, Mich.
Tapley Specialty Co., 47 W 34th, New York
Tiffin Wagon Co., Tiffin, O.
Turnbull Motor Truck & Wagon Co. ("Dandy," "Best Yet"), Defiance, O.
**Winona Wagon Co., Winona, Minn.**

## 16019-20— Trucks (Feed)

**James Mfg. Co. ("James"), Ft. Atkinson, Wis.**
Libby C. A. Co., Oshkosh, Wis.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## Trucks (Fibre)

**See Trucks, Mill**

## 16021— Trucks (Foundry)

American Foundry Equipment Co., 52 Vanderbilt av, New York
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
**Atlas Engineering Co., Amherst, O.**
**Buda Co., Railway Exch. bldg, Chicago, Ill.**
**Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
Clark Geo. P. Co. ("Clark"), Windsor Locks, Conn.
Cowan Truck Co., Holyoke, Mass.
Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**ELECTRIC WHEEL CO.,** Station D, Quincy, Ill. *See adv index at end of book*
**Fairbanks Co., 416 Broome, New York**
Fairbanks, Morse & Co., Sheffield, plant Three Rivers, Mich.
Fischer & Hays Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Howe Chain Co., Muskegon, Mich.
**HUNT C. W. CO.,** West New Brighton, N. Y. *See adv index at end of book*
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
*See adv index at end of book*
Lyon Metallic Mfg Co. ("Lyon" Steel), Aurora, Ill.
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich.
*See adv index at end of book*
Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
**STANDARD SCALE & SUPPLY CO., LTD.,** 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
**Sterling Wheelbarrow Co. ("Sterling" Foundry & Pig Iron), Milwaukee, Wis.**
**Western Wheelbarrow Mfg Co., South Fort Smith, Ark.**
**Whitehurst R. W. Mfg. Corp., Norfolk, Va.**
**Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.**
Youngstown Steel Car Co., Niles, Ohio
**ZERING H. MFG. CO.,** Cincinnati, Ohio
*See adv index at end of book*

## 16021a— *Trucks (Foundry Box)

Fischer & Hays Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

## Trucks (Freight)

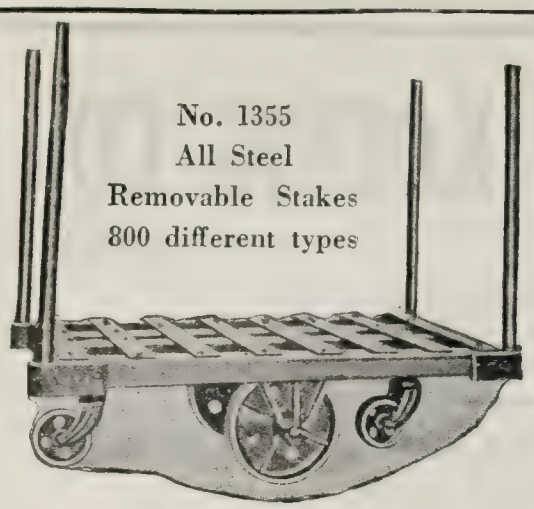
**See Wagons, Freight, Teaming, etc.**

## 16022— Trucks (Galvanized Iron Tank)

Armstrong Truck Co., North Wales, Pa.
Vulcan Mfg. Co., 1200 4th S, Seattle, Wash.


**Hendricks' Commercial Register**

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

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### 16022a—Trucks (Gasoline Engine)

**ELECTRIC WHEEL CO.** ("Electric" Steel), Station D, Quincy, Ill.
*See adv index at end of book*
Empire Mfg. Co., Quincy, Ill.
Little J. R. Metal Wheel Co. (Steel Trucks), Quincy, Ill.
Milwaukee Locomotive Mfg. Co. (Industrial), ft. Belleview pl, Milwaukee, Wis.
Peru Plow & Wheel Co., Peru, Ill.
Wagner Mfg. Co. ("Wagner," 1 to 2½ H. P.), Cedar Falls, Ia.
Wisconsin Farm Implement Co. ("Wisconsin"), Beloit, Wis.

### Trucks (Gasoline Motor)

For Complete List of Gasoline Motor Trucks see Automobile Builders and Consult References Under That Head

### 16023— Trucks (Hand)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Howe Chain Co., Muskegon, Mich.
**Lakewood Engineering Co.**
*See adv index at end of book*
Interstate Bridge Forge & Mfg. Co., 207 Market, Newark, N. J.

### 16024—Trucks (Hook & Ladder)

**American-La France Fire Engine Co.** (Extension, etc), Elmira, N. Y.
**Anderson Coupling & Fire Supply Co.**, Kansas City, Kans.
Howe Engine Co., Indianapolis, Ind.
Perkins C. N. Co., Lawrence, Mass.
Pirsch, Peter & Co., Kenosha, Wis.
Portland Extension Ladder Co., 130 Orange, Newark, N. J.
Prospect Mfg. Co., Prospect, O.
Seagrave Co., Columbus, O.
**South Bend Motor Car Works, South Bend, Ind.**
Stewart A. F., Rochester, N. Y.

### 16025— Trucks (Ice)

**Clark Geo. P. Co., ("Clark") Windsor Locks, Conn.**
Columbus Iron Works (Combined Portable Hand Hoist & Truck), Columbus, Ga.
**Triumph Ice Machine Co. (Combined Portable Hand Hoist & Truck), Oakley, Cincinnati, O.**

### 16025a—Trucks (Industrial)

Holyoke Truck Co., 110 Race, Holyoke, Mass.
Industrial Truck Co., Holyoke, Mass.
**KOENIG EDWARD L.** (Electric), 23 W Kinzie, Chicago, Ill.
*See adv index at end of book*
**Lakewood Engineering Co., Cleveland, O.**
*See adv index at end of book*
Zering Mfg. Co., Oakley, Cinn., O.
*See adv index at end of book*

### 16026— Trucks (Ingot)

**See also Trucks, Rolling Mill**

Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
**NORTHERN ENGINEERING WORKS**, 9 Chene, Detroit, Mich.
*See adv index at end of book*
Weimer Machine Works Co., Lebanon, Pa.
Youngstown Steel Car Co., Niles, Ohio

### 16027— Trucks (Laundry)

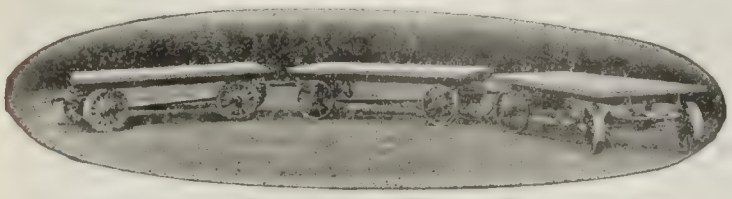
**Armstrong Truck Co. (Canvas or Wood)** North Wales, Pa.
Butler Basket Co. (Slab Bamboo), Butler, Ind.
**Clark Geo. P. Co. ("Clark") Windsor Locks, Conn.**
Fairbanks Co., 416 Broome, New York
National Fibre & Insulation Co., Yorklyn, Del.

### 16027a— Trucks (Library)

Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*
**Fairbanks Co., 416 Broome, New York**

### 16028—Trucks (Logging & Lumber)

**American Sawmill Machinery Co. (Lumber), Hackettstown, N. J.**
Archer Iron Works, 2436 W 34th pl, Chicago, Ill.
**Atlas Car & Mfg. Co. Cleveland, O.**
*See adv index at end of book*
**Bain Wagon Co., Kenosha, Wis., Cleveland, O.**
**Chickasaw Mach. & Fdry. Co., Memphis, Tenn.**
**Clark Geo. P. Co., Windsor Locks, Conn.**
Cowan Truck Co., Holyoke, Mass.
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
**ELECTRIC WHEEL CO.** ("Electric"), Station D, Quincy, Ill.
*See adv index at end of book*
**Empire Mfg. Co., Quincy, Ill.**
**Fairbanks Co., 416 Broome, New York**
**Ft. Smith Wagon Co. (Also Teaming), Ft. Smith, Ark.**
**Glascock Stove & Mfg. Co. (Lumber), Greensboro, N. C.**
Grace C. M. & Co., Huntsville, Ala.
**HUNT C. W. CO., West New Brighton, N. Y.** *See adv index at end of book*
**International Harvester Company of America (Inc.)**, ("Weber"), Harvester bldg, Chicago, Ill.
**JANNEY & COMPANY**, Montgomery, Ala.
*See adv index at end of book*
Kanawha Mfg. Co., Charleston, W. Va.
**Kilbourne & Jacobs Mfg. Co., Columbus, O.**
*See adv index at end of book*
Kramer Wagon Co., Oil City, Pa.
Lane Mfg. Co., Montpelier, Vt.
**Luedinghaus-Espenschier Wagon Co., 1717 N. B'way, St. Louis, Mo.**
Luther Frederick P. Co., 14 E Jackson blvd., Chicago, Ill.
**Lyon Iron Works, Greene, N. Y.**

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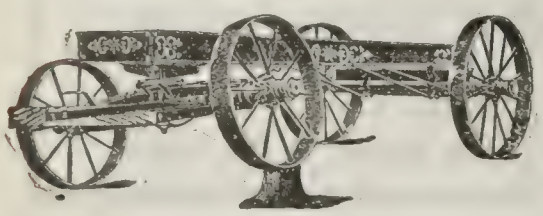
Trucks for mounting all kinds of special machinery, Engines, Mixers, Boilers, Crushers, Compressors, etc., designed and built to suit individual requirements. Trailers for use with Industrial Motor Trucks in factories, warehouses, railway terminals, etc. Also complete line of Farm and Handy Wagons, Contractors' Dump Carts, Log Carts, Log Wagons, Heavy Freighting Cars for team or traction power, Warehouse and Factory Trucks and Wood and Steel Axles. GASOLINE TRACTION ENGINE for plowing, hauling and threshing.



ELECTRIC WHEEL COMPANY

Station D QUINCY, ILL., U. S. A.

**Michigan Truck & Lumber Co. (Roller Bearing Yard Truck), Holly, Mich.**
Milburn Wagon Co., Toledo, O.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
North Coast Dry Kiln Co., Seattle, Wash.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Pekin Wagon Co., Pekin, Ill.
Ransome Concrete Machinery Co., Dunellen, N. J.
Russel Wheel & Foundry Co. (Logging), Chene Bl. & R. R., Detroit, Mich.
**Sanford-Day Iron Works, Knoxville, Tenn.**
**Southern Engine & Boiler Mfg. Co., Jackson, Tenn.**
**Standard Saw Mill Machinery Co., Erie, Pa.**
**Standard Scale & Supply Co., Ltd., 1631 Liberty av, Pittsburg, Pa.**
*See adv index at end of book*
Strait H. N. Mfg. Co., Kansas City, Mo.
Streich A. & Bro. Co., Oshkosh, Wis.
**Taylor Iron Works & Supply Co., Macon, Ga.**
Towsley John T. Mfg. Co. (Lumber), Cincinnati, O.
**Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.**
**ZERING H. MFG. CO.**, Oakley, Cincinnati, Ohio. *See adv index at end of book*

## 16029— Trucks (Mill)

**American Vulcanized Fibre Co. ("Laminar" Dept.), 504 Equitable bldg, Wilmington, Del.**
**Burlington Basket Co. (Rattan & Splint), Burlington, Ia.**
**Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
**Clark Geo. P. Co. ("Clark") Windsor Locks, Conn.**
Columbus Truck & Supply Mfg. Co. (Doffing & Roving), Columbus, Ga.
Cowan Truck Co., Holyoke, Mass.
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
**Diamond State Fibre Co. (Hard Fibre),** Bridgeport, Pa.
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**HOLYOKE TRUCK CO.**, 110 Race, Holyoke, Mass.
Morris & Co., Groveville, N. J.
**National Fibre & Insulation Co., Yorklyn, Del.**
**ROGERS FIBRE CO.** ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
**Spaulding J. & Sons Co. (Fibre), North Rochester, N. H.**
*See adv index at end of book*
**Standard Fibre Co. (Fibre), Miller, Somerville, Mass.**
**Wilson Andrew Co. (Metallic) 1616 Essex, Lawrence, Mass.**
*See adv index at end of book*
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16030— Trucks (Motor)

**See also Automobile Builders**

**Acme Motor Truck Co., Cadillac, Mich.**
**American Commercial Car Co. ("Wolverine"), Detroit, Mich.**
American Machine Co., Newark, Del.
Avery Co. ("Avery"), Peoria, Ill.
**Babcock H. H. Co. (Undertaker's & Ambulance Bodies), Watertown, N. Y.**
**Bowling Green Motor Truck Co., Bowling Green, O.**
Day-Elder Motors Corp. ("Day-Elder" Worm Driver), 161 Ogden, Newark, N. J.
**Doble Motor Co., Call bldg., San Francisco, Cal.**
Dunkle Arthur J. Co. ("Hurlburt"), 50 Church, New York
**Duryea Motors, Inc. (½ Ton), Wilmington, Del.**
**Fulton Motor Truck Co., Webster av, Long Island, N. Y.**
**Grant Motor Car Corp. ("Grant"), Cort Rd & Kirby av, Cleveland, Ohio**
**Hubbell-Oakes Motor Co., Atlanta, Ga.**
**Hulburt Motor Trucks Co., 2421 3d av, New York**
**International Harvester Company of America (Inc.), (International Motor Trucks), Harvester bldg, Chicago, Ill.**
International Motor Co. ("Mack," "Saurer" & "Hewitt," from 1500 lbs. to 10 tons' capacity), 262 W 64th New York
**Karry Lode Industrial Trucks Co., Long Island City, N. Y.**
Kelly-Springfield Motor Truck Co., Springfield, Ohio
Koehler H. J. Motors Corp., Bloomfield, N. J.
Meier J. J. Machinery Co., 3412-14 Woolworth bldg, New York
*See adv index at end of book*
Minneapolis Steel & Machy. Co., 2854 Minnehaha av, Minneapolis, Minn.
**Muskegon Engine Co., Muskegon, Mich.**
**Redden Motor Truck Co., Inc., 2337 S Michigan av, Chicago, Ill.**
**Saurer Motor Co., 252 W 64th, New York**
Selden Truck Corp. ("Selden"), Rochester, N. Y.
**Smith Motor Trucks Corp., 2015 Michigan, Chicago, Ill.**
**Standard Steel Box Co., Bridgeville, Pa.**
U. S. Motor Truck Co., Cincinnati, Ohio

## 16031— Trucks (Moving)

**Electric Wheel Co. (House), Station D, Quincy, Ill.** *See adv index at end of book*
Grover File Co. (A Combination of Independent Rolls & Crowbars for Moving Heavy & Bulky Bodies), Nashua, N. H.
**La Plant-Choate Mfg. Co., Cedar Rapids, Iowa**

## 16032— Trucks (Packers')

Armstrong Truck Co., North Wales, Pa.
Baltimore Cooperage Co., The (For Butchers' & Packers'), Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
Brecht Co., 1201 Cass av, St. Louis, Mo.
**Clark Geo. P. Co. ("Clark") Windsor Locks, Conn.**
Fairbanks Co. (For Packing Houses), 416 Broome, New York
**Fairbanks, Morse & Co., 900 S Wabash av, Chicago, Ill.**
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Holyoke Truck Co., 110 Race, Holyoke, Mass.
**Kilbourne & Jacobs Mfg. Co., Columbus, O.**
*See adv index at end of book*
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
*See adv index at end of book*
**STANDARD SCALE & SUPPLY CO.** ("The Standard"), 1631 Liberty av, Pittsburgh, Pa.
*See adv index at end of book*
Sterling Wheelbarrow Co. ("Sterling" Sanitary), Milwaukee, Wis.
**Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.**
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16033—Trucks (Paper Mill)

Armstrong Truck Co., North Wales, Pa.
**Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
**Clark Geo. P. Co. ("Clark") Windsor Locks, Conn.**
Cowan Truck Co., Holyoke, Mass.
Fairbanks Co., 416 Broome, New York
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Kantslip Co. (Steel & Wood), Freeport, Mich.
**LEWIS-SHEPARD CO.** ("Jacklift" Master Truck), 577 E 1st, Boston 27, Mass.
*See adv index at end of book*
Stuebing Truck Co., W Court, Cincinnati, O.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16033a—Trucks (Patent Leather)

Hamblet & Hayes Co. ("H. & H."), 284 Devonshire, Boston, Mass.

## 16034— Trucks (Pipe)

Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
**HUNT C. W. CO.**, West New Brighton, N. Y. *See adv index at end of book*
Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Youngstown Steel Car Co., Niles, Ohio
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16035—Trucks (Plate Glass)

Fairbanks Co., 416 Broome, New York
Holyoke Truck Co., 110 Race, Holyoke, Mass.
National Roll & Foundry Co. (Transfer), Avonmore, Pa.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16036— Trucks (Platform)

**Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
Clark G. P. Co., Windsor Locks, Conn.
Cowan Truck Co., Holyoke, Mass.
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
**EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.**
*See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Howe Chain Co., Muskegon, Mich.
**KOENIG EDWARD L.** (Elevating & lifting), La Salle nr Lake, Chicago, Ill.
*See adv index at end of book*
**Lakewood Engng. Co. (Storage Battery), Cleveland, O.**
*See adv index at end of book*
Pressed Steel Truck Co. ("Atlas"), 844 Penna. av, Pittsburgh, Pa.
**Standard Improved Truck Co., 20 W Jackson blvd, Chicago, Ill.**
Victor Truck Co. ("Victor" Hand), Johnsonburg, Pa.
Yale & Towne Mfg. Co. ("Yale" with Electric Power), Stamford, Conn.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16036a1—*Trucks (Platform & Tiering)

Holyoke Truck Co., 110 Race, Holyoke, Mass.

Leatheroid
FIBRE TRUCKS, BOXES BARRELS, BASKETS, ETC.
*We specialize on Mill Carriers and Containers*
ROGERS FIBRE COMPANY (Leatheroid Division)
121 Beach St., BOSTON, MASS. 43 W. 16th St., NEW YORK
1024 Filbert St., PHILADELPHIA, PA,

Patented

# EDWARDS FORGED STEEL TRUCKS

These are the trucks that the United States Government ordered—150 of them—for use in Panama. And if ever any job called for hard, grueling work, day in and day out, it surely was here.

Edwards Forged Steel Trucks are the culmination of thirty years' practical experience in working Iron and Steel. They defy destruction. They are strongest where old style wood frame trucks are weakest. Their principle of construction and leverage is quite different from that of the old style trucks.

A big advantage is found in their greater load capacity—their wonderful ease of operation—their surprising endurance and low upkeep cost.

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They seem to have first call where heavy freight is handled by railroads, steamship lines, warehouses, machine shops, packing houses—and wherever else heavy duty is the order of the day.

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TRUCKS (PLATFORM & TIERING)—cont.

Lakewood Engineering Co., Cleveland, O.
*See adv index at end of book*

LAKEWOOD BUILT TO LAST The LAKEWOOD ENGINEERING Co. CLEVELAND. OHIO U.S.A

## 16036a— *Trucks (Portable)

**JEFFREY MFG. CO., 961 N Fourth, Columbus, O.** *See adv index at end of book*

## 16037——Trucks (Printers' Form)

Armstrong Truck Co., North Wales, Pa.
**Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.**
Fairbanks Co., 416 Broome, New York
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.

## 16038—Trucks (Publishers' Packing)

Armstrong Truck Co., North Wales, Pa.
Holyoke Truck Co., 110 Race, Holyoke, Mass.

## 16039— Trucks (Radiator)

Buell Bros., Fulton, N. Y.
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Lansing Co. ("Reynolds"), Lansing, Mich.
Jamestown Car Parts Mfg. Co. ("Jamestown"), Jamestown, N. Y.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16040—Trucks (Roll Paper)

**CHASE FOUNDRY & MFG. CO., 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
Clark Geo. P. Co., Windsor Locks, Conn.
Illinois Iron & Bolt Co. ("Hercules" All Steel), Carpentersville, Ill.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16041—Trucks (Rolling Mill)

See also Trucks, Foundry

Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
**CHASE FOUNDRY & MFG. CO., 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
Cowan Truck Co., Holyoke, Mass.
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Hockensmith Wheel & Mine Car Co. (Angle Bar), Penns Station, Pa.
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Hunt C. W. Co., West New Brighton, N. Y.
*See adv index at end of book*
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
Ladel Mfg. Co. ("Ladel"), New Philadelphia, O.
Lansing Co., Lansing, Mich.
Morgan Construction Co., Worcester, Mass.

**NORTHERN ENGINEERING WORKS, 9** Chene, Detroit, Mich.
*See adv index at end of book*
Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
Weimer Machine Works Co. ("Weimer"), Lebanon, Pa.
Western Wheelbarrow Mfg. Co., South Ft. Smith, Ark.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16042— Trucks (Scoop)

Detroit Scoop Truck Co. (For Handling Sand, Coal & Broken Stone), 2225 Jefferson av, W Detroit, Mich.
Lansing Co. ("Climax"), Lansing, Mich.

## Trucks (Sheet Iron)

See Trucks, Rolling Mill

## 16043-4— Trucks (Slag)

Holyoke Truck Co., 110 Race, Holyoke, Mass.
Traylor Engineering & Mfg. Co. (Elliptical Bowl), Allentown, Pa.
*See adv index at end of book*
Youngstown Steel Car Co., Niles, Ohio

## 16045-6—Trucks (Steel, Factory, Etc.)

Angle Steel Stool Co., Otsego, Mich.
Art Metal Construction Co. (Coin), Jamestown, N. Y. *See adv index at end of book*
Bernstein Mfg. Co., 3d & Allegheny av, Phila., Pa.
**Clark Geo. P. Co., ("Clark") Windsor Locks, Conn.**
Cleveland Wire Spring Co. (Barrel), 1281 E. 38th, Cleveland, O.
**Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.**
Easton Car & Construction Co., 198 Fulton, New York *See adv index at end of book*
**EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.**
*See adv index at end of book*
**ELECTRIC WHEEL CO., Station D, Quincy, Ill.** *See adv index at end of book*
Globe Vise & Truck Co., Grand Rapids, Mich.
Grammes L. F. & Sons, Allentown, Pa.
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Howe Chain Co., Muskegon, Mich.
Illinois Iron & Bolt Co. ("Hercules" All Steel for Railroad, Mill, etc), Carpentersville, Ill.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*
Library Bureau (Office), 43 Federal, Boston, Mass.
New Britain Machine Co. ("New Britain," 2 & 3 Tray), 190 Chestnut, New Britain, Conn.
Ohio Galvanizing & Mfg. Co., Niles, O.
**OVEN EQUIP. & ENGNG. CO.** ("Crawford" for Enamelling Ovens), New Haven, Conn. *See adv index at end of book*
Van Dorn Iron Works Co. (Steel Drying & Bread Trucks), 2700 E 79th, Cleveland, O.
Western Wheelbarrow Mfg. Co., South Ft Smith, Ark.
Zering H. Mfg. Co., Oakley, Cincinnati, O
*See adv index at end of book*

## Trucks (Steel, Gasoline Engine)

See Trucks, Gasoline Engine

## 16047-8— Trucks (Storage Battery)

Anderson Electric Car Co., Aberle, Detroit, Mich.
Atlantic Elec. Vehicle Co., 893 Frelinghuysen av, Newark, N. J.
Atlas Car & Mfg. Co. (Warehouse, Baggage & Factory), Cleveland, O.
*See adv index at end of book*
Automatic Transportation Co., 2933 Main, Buffalo, N. Y.
Bailey & Co., Amesbury, Mass.
Baker R. & L. Co., 2180 W 25th, Cleveland, O.
Beaver Motor Truck Co., Portland, Ore.
Buda Co., Railway Exch. bldg, Chicago, Ill.
Century Mfg. Co., 133 E Canfield, Detroit, Mich.
Champion Wagon Co., Oswego, N. Y.
Commercial Truck Co. of Am., 27th & Brown, Phila., Pa.
Cowan Truck Co., Holyoke, Mass.
Dayton Elec. Car Co., Dayton, O.
Elwell-Parker Electric Co., Cleveland, O.
Fritchie Electric Co., Denver, Colo.
Galion Dynamic Motor Truck Co., Galion, Ohio
Gen. Motors Truck Co., Pontiac, Mich.
General Vehicle Co., Long Island City, N. Y.
Grinnell Elec. Car Co., 473 Woodward av, Detroit, Mich.
Healey & Co., 1658 B'way, New York
Hoagland-Thayer Inc., 300 Washington, Newark, N. J.
**HUNT C. W. CO., West New Brighton, N. Y.** *See adv index at end of book*
Industrial Truck Co., Holyoke, Mass.
Ky. Wagon Mfg. Co., 3d & K, Louisville, Ky.
**KOENIG EDWARD L.,** 23 W Kinzie, Chicago, Ill. *See adv index at end of book*
Lakewood Engineering Co. (Platform & Elevating), Cleveland, O.
*See adv index at end of book*
Lansden Co., 2211 Nostrand av, Brooklyn, N. Y.
Lansing Co., Lansing, Mich.
Mercury Mfg. Co. 4118 S Halstead, Chicago, Ill.
Milburn Wagon Co., Toledo, O.
Moore Sam'l L. & Sons Corp., Elizabeth, N. J.
R. H. Corp., 33 Woodbridge, S., Detroit, Mich.
Sprague Elec. Works, 527 W 34th, New York
Stetson-Ross Mach. Wks., Seattle, Wash.
Walker Vehicle Co., 533 W 39th, Chicago, Ill.
Yard Motor Vehicle Co., Mt. Vernon, N. Y.
Waverly Co., 139 S East, Indianapolis, Ind.
Woods Motor Vehicle Co., 2500 Cottage Grove av, Chicago, Ill.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.

## 16049—Trucks (Store, Warehouse & Factory)

Aermotor Co., 2500 W 12th, Chicago, Ill.
Armstrong Truck Co., North Wales, Pa.

Ashboro Wheelbarrow Co., Ashboro, N. C.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
**Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md.**
*See adv index at end of book*
**Belcher & Taylor Agl. Tool Co., Chicopee Falls, Mass.**
Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
**Brown Truck Mfg. Co., Ralston, Neb.**
**Bryan Mfg. Co., P. O. Box D, Bryan, O.**
Buda Co., Ry. Exch. bldg, Chicago, Ill.
**Chaffee Bros. Co., Oxford, Mass.**
Chase Foundry & Mfg. Co., 2700 Parsons **av, Columbus, O.**
*See adv index at end of book*
**Chattanooga Wheelbarrow Co. (Grocery & Wheel), Chattanooga, Tenn.**
**Clark Geo. P. Co., Windsor Locks, Conn.**
Columbian Mail Crane Co. ("Columbian" Steel), Columbus, O.
Cowan Truck Co., Holyoke, Mass.
**Cummings Josiah & Son, ("Hub" Fibre),** 657 Atlantic av, Boston, Mass.
**Dexter Metal Mfg. Co., (Steel) 93 Arch,** Camden, N. J.
**EDWARDS MFG. CO., 545-565 Eggleston** av, Cincinnati, O.
*See adv index at end of book*
**Fairbanks, Morse & Co., 900 S Wabash av,** Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Fox Z. F. & Son ("Fox"), Freeport, Mich.
Glascock Stove & Mfg. Co., Greensboro, N. C.
Globe Vise & Truck Co., Grand Rapids, Mich.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Grand Rapids Hand Screw Co., Grand Rapids,, Mich.
Grote F. Mfg. Co. (Tobacco Factories), Evansville, Ind.
**HOLYOKE TRUCK CO.,** 110 Race, Holyoke, Mass.
Howe Chain Co., Muskegon, Mich.
Howe Scale Co., Rutland, Vt.
Home Scale Co. of N. Y., 341 B'way, New York
Hubbard Pressed Steel Co., Niles, O.
Illinois Iron & Bolt Co. ("Hercules" All Steel), Carpentersville, Ill.
Interstate Bridge Forge & Mfg. Co., 207 Market, Newark, N. J.
Johnson & Hibbard, Westfield, Mass.
Kantslip Co., Freeport, Mich.
Kelly-Derby Co., Peoples' Gas bldg, Chicago, Ill.
**KILBOURNE & JACOBS MFG. CO.,** Columbus, Ohio
*See adv index at end of book*
**KOENIG EDWARD L.,** 23 W Kinzie, Chicago, Ill. *See adv index at end of book*
Ladel Mfg. Co. ("Ladel"), New Phila., O.
**LAKEWOOD ENGINEERING CO.,** Cleveland, O. *See adv index at end of book*

BUILT TO LAST The LAKEWOOD ENGINEERING Co CLEVELAND. OHIO U.S.A.

Lansing Co. ("Reynold's Improved"), Lansing, Mich.
**LEWIS-SHEPARD CO.** ("Jacklift" Master Truck), 577 E 1st, Boston, Mass.
*See adv index at end of book*
Lucey Foundry & Machine Co., Chattanooga, Tenn.
Lyon Metallic Mfg. Co. ("Lyon" Steel), Aurora, Ill.
Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.
Messinger Mfg. Co., Tatamy, Pa.
Michigan Truck & Lumber Co., Holly, Mich.
National Fibre & Insulation Co., Yorklyn, Del.
Norwich Wire Works, Norwich, N. Y.
Nutting Truck Co., Fairbault, Minn.
Omaha Folding Machine Co., Omaha, Nebr.
Packer Thos. ("Bristol's"), Union City, Conn.
Peck C. A. Hardware Co. (Automatic), **Berlin, Wis.**
Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.
Puffer-Hubbard Mfg. Co., 32nd av, S & **26th, Minneapolis, Minn.**
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
Rowe Henry Mfg. Co., Newaygo, Mich.
St. Louis Truck & Mfg. Co., 3200 N. Hall. St. Louis, Mo.
Schriver O. P. & Co. ("I. X. L."), 621 E Pearl, Cincinnati, O.
**Standard Improved Truck Co., 20 W Jackson blvd, Chicago, Ill.**
**Standard Scale & Supply Co. ("The Standard" Pressed Steel), 1631 Liberty av,** Pittsburgh, Pa.
*See adv index at end of book*
Sterling Wheelbarrow Co., Milwaukee, Wis.
Streich A. & Bro. Co., Oshkosh, Wis.
Swift Mfg. Co., Waterloo, Ia.
Syracuse Chilled Plow Co., Syracuse, N. Y.
Tanner D. F., Holland, N. Y.
Towsley John T. Mfg. Co., Cincinnati, O.
Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
Westbrook Elevator Mfg. Co., Danville, Va.
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
Whitehurst R. W. Mfg. Corp., Norfolk, Va.
Yale & Towne Mfg. Co. ("Yale"), Stamford, Conn.
**ZERING H. MFG. CO.,** Oakley, Cincinnati, Ohio *See adv index at end of book*

## 16050— Trucks (Stove)

Arcade Mfg. Co. ("Baltzy" Steel, "Standard" Adjustable & "Perfect" Steel), Freeport, Ill.
Chicago Hardware Foundry Co. ("Harper Handy"), 546 W Washington, N Chicago, Ill.
Clark George P. Co., Windsor Locks, Conn.
Cowan Truck Co., Holyoke, Mass.
Hill C. V. & Co., Trenton, N. J.
Howes S. M. Co., 42 Union, Boston, Mass.
Kilbourne & Jacobs Mfg. Co., Columbus, O
*See adv index at end of book*
Lewis-Shepard Co. ("Jacklift" Master Truck), 577 E 1st, Boston 27, Mass.
*See adv index at end of book*
Mersick C. S. & Co., New Haven, Conn.
Tucker & Dorsey Mfg. Co. ("Daisy"), Indianapolis, Ind.
Universal Caster & Foundry Co. ("Universal" Ball Bearing), 574 Ferry, Newark, N. J. See The Bassick Co., Bridgeport, Conn.
Western Wheelborraw Mfg. Co., South Fort Smith, Ark.
Whitehurst R. W. Mfg. Corp., Norfolk, Va
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16051— *Trucks (Tote Box)

Holyoke Truck Co., 110 Race, Holyoke, Mass.
Ohio Mfg. Co., P. O. Box 136, Painesville, Ohio *See adv index at end of book*

## 16051a—*Trucks (Tractor, Gasoline)

Knox Motors Co. ("Knox"), Springfield, Mass.

## 16051b— Trucks (Trailers, Automobiles)

Auto-Kamp Equipment Co., Saginaw, Mich.
Fairbanks Co., 416 Broome, New York
Kilbourne & Jacobs Mfg. Co., Columbus, O.
*See adv index at end of book*

## 16051c— Trucks (Trailer, Storage Battery)

Fairbanks Co., 416 Broome, New York

## 16051d— *Trucks (Transfer)

**Chase Foundry & Mfg. Co., 2700 Parsons** av Columbus, O.
*See adv index at end of book*

## Trucks (Transfer, Handle-Elevated)

**See Trucks, Automatic Loading**

## 16052— Trucks (Triangular)

**Fairbanks Company, 416 Broome, New York**

## 16052a—*Trucks (Two Wheel, etc.)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**KILBOURNE & JACOBS MFG. CO.** (Also Four Wheeled), Columbus, O.
*See adv index at end of book*

## 16053-4—Trucks (Varnish Kettle)

**Frelinger J. G. Iron Works, (Roller Bearing), 115 W 2nd, Cincinnati, O.**
Littleford Bros., 444 E Pearl Cincinnati, O.
Quaker City Iron Works, Tioga & Richmond, Phila., Pa.

## Trucks (Warehouse)

**See Trucks, Store, Factory & Warehouse**

## 16055—Trucks (Wire Mill)

Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Bates Machine Co., Joliet, Ill.
Chase Foundry & Mfg. Co., 2700 Parsons **av, Columbus, O.**
*See adv index at end of book*
Cowan Truck Co., Holyoke, Mass.
**Fairbanks Co., 416 Broome, New York**
Holyoke Truck Co., 110 Race, Holyoke, Mass.
Morgan Construction Co., Worcester, Mass.
Vaughn Machinery Co., Cuyahoga Falls, O.
*See adv index at end of book*
Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
Youngstown Steel Car Co., Niles, Ohio

## Truers (Grindstone)

**See Grindstone Truing Devices**

## 16056— Trumpets (Fire)

Braxmar C. G. Co. (Dealers), 10 Maiden la, New York
Cairns & Bro., 186 Lafayette, New York
International Silver Co., Meriden, Conn.
Porter Co. (Also Ship & Deck), 241 Water, New York

## 16057— Trunk Mfrs.

**See also Traveling Bags & Suit Cases**

### ALABAMA.

BIRMINGHAM—Birmingham Trunk Factory
Gilbert Trunk Factory

### ARKANSAS.

LITTLE ROCK—Waldenberger Harness & Trunk Co.

### ARIZONA.

PHOENIX—Doster S. J.

### CALIFORNIA.

LOS ANGELES—Burroughs-White Trunk Co.
Los Angeles Telescope Co.
Mission Trunk Factory.
SACRAMENTO—Longshore James
SAN DIEGO—San Diego Trunk & Bag Co.
SAN FRANCISCO—Hirschfelder & Meaney, 519 Market
Malm C. A. & Co., 2199 Folsom
Pacific Trunk & Bag Co., 533 Market

### COLORADO.

DENVER—Dewar Bros.
Meek A. E. Trunk & Bag Co.
Shwayder Trunk Mfg. Co.

### DELAWARE.

WILMINGTON—Delaware Hard Fibre Co.
*See adv index at end of book*

### GEORGIA.

ATLANTA—Ashford Trunk & Bag Co.
Footes Trunk & Bag Factory
AUGUSTA—Augusta Trunk Factory
SAVANNAH—Chatham Trunk Factory

### ILLINOIS.

BLOOMINGTON—Ruh Geo. W.
CHICAGO—Abrams Trunk Co., 1234 W Chicago av
American Trunk & Case Co., 29 S Wells
Becker P. & Co., 333 W Monroe
Dick J. H., 645 W. Madison
Fiberoid Trunk Works, 4621 B'way
Fitzgerald Trunk Co. (Sample, Sole Leather), 1214 Wells

ILLINOIS-CHICAGO—continued
Fleig L. L. & Co., 212 W Austin av
**Hartmann Trunk Co., 626 S Michigan av**
Haskell Bros. (Sample), 165 N Green
**Kuntzendorf C. & Co., 160 W Van Buren**
Lazar & Lazarus, 1230 S Jefferson
McNamara J. H. Trunk Co., 109 W Monroe
**Schuessler Wm., 12 N Market**
Stone Bros. & Co., 1501 Polk
Taylor C. A. Trunk Works, **28 E** Randolph
**Welck Martin Co., 1623 S Ashland av**
Wilt Chas. T., 221 W Madison
DECATUR—**Decatur Trunk Factory**
PEORIA—**Peoria Trunk Factory**
QUINCY—**Gem City Trunk Mfg. Co.**

## INDIANA.

EVANSVILLE—**Evansville Trunk Co.**
KOKOMO—**Kokomo Trunk Co.**
MISHAWAKA—**National Veneer Products Co.**

## IOWA.

BURLINGTON—**Jacoby J. H. & Co.**
DUBUQUE—**Enzler Jos. A.**
SIOUX CITY—**Anthony D. S.**

## KANSAS.

WICHITA—**Wichita Trunk Co.**

## KENTUCKY.

LOUISVILLE—**Dufficy Thos. & Co.**
Laub Bros.

## LOUISIANA.

NEW ORLEANS—**Crescent Trunk Co., (Ltd.), 311 Girod**
Duffy Trunk Co. (Ltd.), 141 Baronne
Mack Trunk Co. (Ltd.), 157 Baronne
New Orleans Trunk & Bag Co., 414 Carondelit
SHREVEPORT—**Kidd Russ Trunk & Bag Co.**

## MAINE.

BANGOR—**Parkhurst J. F. & Son Co.**
PORTLAND—**Brackett J. L. & Co.**

## MARYLAND.

BALTIMORE—Gorman Chas. B., 329 N Howard
**Gorman Chas. B., 329 N Howard**
Prager Geo., 115 W Pratt
Richards Trunk Mfg. Co., 200 W Mulberry
Tuerke Baggage Builder, 212 W Lexington

## MASSACHUSETTS.

BOSTON—Bowker Bros. **(Fibre Trunks & Cases)**, 11 Columbia
Cummings Josiah & Son **(Rawhide Vulcanized Fibre), 657 Atlantic av**
Cutter & Cutter, 95 Bedford
New England Trunk Co., 26 Chauncy
Rogers Fibre Co. ("Leatheroid"), 121 Beach *See adv index at end of book*
Winship W. W., 71 Summer
LOWELL—Devine P. F.
WEST SOMERVILLE—**Horton & Hubbard Mfg. Co.**
Reed Edward E. Co.
WESTBORO—**Westboro Trunk & Bag Co.**
WESTFIELD—**Crane Brothers (Limenoid)**

## MICHIGAN.

DETROIT—**Kittle H. M. & Co., 197 Jefferson av**
Maier Martin & Co., 102 Woodward
Tuttle & Clark, 187 E Jefferson
Wedell & Boers, 157 **Jefferson av**
GRAND RAPIDS—**Grand Rapids Trunk Co.**
**Groskopf Brothers**
SAGINAW—**Lieberman Trunk Co.**
WYANDOTTE—**Beals & Selkirk Trunk Co. (Leather)**

## MINNESOTA.

DULUTH—**Duluth Trunk Co.**

**MINNEAPOLIS—Barnum Trunk Co., 804 Nicollet av**
**Deppe A. H. Co., 213 S 7th**
**Flour City Trunk Co., 115 2d av, S E**
**Lorenz Wm. Trunk Wks Inc., 212 Marquette av**
Northwestern Trunk Co., 248 Nicollet av
**ST. PAUL—Bisenius G. L. Trunk Co., 360 Jackson**
**Garland F. V. Co., 42 E 6th**

## MISSOURI.

KANSAS CITY—Books Trunk Co., 19 E 8th
**Excelsior Trunk Co., 606 Delaware**
Jensen Trunk Factory, 102 W 9th
**Luce Trunk Factory, 1026 Maine**
National Trunk Co., 110 W 9th
**Nuss & Moore Trunk Co., 1408 Walnut**
**ST. JOSEPH—Heumader Chris, 1802 Water**
ST. LOUIS—Horn T. L. Trunk Co., 1101 Washington
Murphy P. C. Trunk Co., 13th & Papin
Quirk James A. Trunk Co., 1228 Olive
St. Louis Basket & Box Co., Wharf & Penrose

## NEBRASKA.

OMAHA—Eggerss-O'Flyng Co.
Freling & Steinle
Omaha Trunk Factory

## NEW JERSEY.

NEWARK—Bal Wm. Co., 14 Johnson
Goldsmith L. & Son **(Wardrobe)** Canal & Cherry
**Khin Trunk & Bag Co., 215 Bergen**
National Trunk & Bag Co., 86 S Orange av.
**Rauchbach-Goldsmith Co., St. Francis & Komar**
Steiger P. Trunk & Bag Co., 637 Broad
PATERSON—**Wetzel John F., 52 Washington**

## NEW YORK.

BUFFALO — **Bingham Trunk Co.,** 3 Mechanic
Buffalo Trunk Mfg. Co.
CORTLAND—Newton W. H. & Son
NEW YORK—Abramovitz & Schwartz 195 Wooster
**Ajax Trunk & Sample Case Co. (Suit Case Trunks, Sample Cases, etc) 150 W 18th**
Bears B., 1048 3d av
**Berg Auto Trunk & Spec. Co., 400 Lafayette**
Berner & Freedman, 452 B'way
**Casey Trunk Co., 224 W 35th**
Crouch & Fitzgerald, 177 B'way (Sample, Sole Leather)
**Fiberide Sample Trunk Co., 252 Lafayette**
Fibre Sample Case & Trunk Co., 535 B'way
**Fishbein Bros., 85 Mercer**
**Heaton & Vierling, 21 W 3d**
Innovation Trunk Co., 3 Canal pl
**Laks & Zucker, 386 W B'way**
Leatheroid Mfg. Co., 45 W 16th
**Lercher A., 435 Broome**
**Lissa Hy. & Co., 595 B'way**
**Manhattan Trunk Box Factory, 505 E 18th**
**Newark Trunk Co., 11 W 42d**
Oichman S. Trunk Co., 29 Howard
**Pinkosowitz Abraham, 113 Second**
Standard Trunk Mfg. Co., 535 B'way
**Taylor C. A. Trunk Works, 210 W 44th**
United Automobile Trunk Co., 343 W 26th
Wellen M. & Son, 83 Wooster
PATCHOGUE—**Patchogue Trunk Works**
ROCHESTER—Likly Henry & Co. (Wardrobe, Sample, etc)
Zelter Harry L.
SYRACUSE—**Syracuse Trunk Co.**
UTICA—Faber H. C. & Son Co. **(Fibre Sample Trunks).**
**Winship W. W. & Sons Co.**

## OHIO.

CANTON—**Canton Trunk Co.**
CINCINNATI—American Trunk Co., **1039** Central av
**Drucker & Co. (Sample), 6 W 4th**
Mendel, Drucker Co., 708 Walnut
Menzel Trunk Co., 902 Main
CLEVELAND—Cleveland Trunk Co., **1317** Euclid av
Engelhart Trunk Co.
Faber Jacob, 1955 E 9th
**Feigenbaum Trunk & Bag Co., 1272** W 6th
Likly & Rockett Trunk Co., **1365** Euclid av
COLUMBUS—**Hughes Jno. R. & Co., 40 N High**
Stallman F. A. (Dresser), 57 E Spring **Spring**
NORWOOD—**Mendel-Drucker Co.**
TOLEDO—**Duguid Jno. B., Prospect av & M C R R**
Wilmington & Co.

## OREGON.

PORTLAND—**Harris Trunk Mfg. Co., 130** 6th
**Multnomah Trunk & Bag Co. (Leather), 84 E Water**
Portland Trunk Mfg. Co., 60 3d

## PENNSYLVANIA.

KENNETT SQUARE—Fibre Specialty Mfg. Co. (Fibre Sample Trunks)
PHILADELPHIA—**Arata & Co., 118 S** 13th
Bains G. B. & Son, 1028 Chestnut
Belber Trunk & Bag Co., 1641 N Hancock
Cramer & Sherr 429 E. Moyer
**Deveney J. B. & J., 126 N 16th**
Heller Samuel, 345 N 2d
McQuinn Robert & Co., 23 S. 8th
Rangnow & Hall (Inc.), 67 Laurel
Regenbogen Philip, 736 South
Rhode Brothers, 1212 Passyunk av
Seafried Bros., 2811 Girard av
Seitz J. H. & Son, 414 Brown
Simons & Co. (Carpet), 700 Arch
Weintraub Jos., 1037 S 4th
PITTSBURGH—American Trunk & Bag Co., 109 Federal
B. B. & B. Trunk Co., Ohio & Sandusky
Haines Geo. S. Co., 610 Wood
Kleber Trunk Co., 2308 Josephine
Penn Trunk Co., 82 Washington
**Pittsburgh Trunk Co., 1041 Gibbon**
Sharon Trunk Co., 1625 5th av

## RHODE ISLAND.

PROVIDENCE—Providence Trunk Co., 457 Westminster

## TENNESSEE.

KNOXVILLE—**Beaman Trunk Co.**
Whittle Trunk & Bag Co.
MEMPHIS—Ferguson G. B., McCall bldg
Mack Trunk Co.
NASHVILLE—Ewing & Hooper
Fibre Trunk & Case Co.
**Nashville Trunk & Mfg. Co.**
White Trunk & Bag Co.

## TEXAS.

DALLAS—Pollack Henry Trunk Co.
Wilkins Trunk Mfg. Co.
GALVESTON—John R. H. Jr.

## VIRGINIA.

PETERSBURG—**Petersburg Trunk & Bag Co.**
Rogers & Madison
Seward Trunk & Bag Co.
**Totty Trunk & Bag Co.**
Virginia Trunk & Bag Co.
RICHMOND—Rountree H. W. & Bro.
**Union Trunk & Bag Co.**

## WASHINGTON.

SEATTLE—Butterfield Trunk Co.

## WISCONSIN.

EAU CLAIRE—**Eau Claire Trunk Co.**
GREEN BAY—**Green Bay Trunk & Bag Co.**
MILWAUKEE—Abel & Bach Co. (Sole Leather)
Barth James H., 449 E Water
Burroughs Geo. & Sons, 424 E Water
Carpeles Co., 1000 St. Paul av
Kamlee Co. (Auto), 448 E. Water
Schoen & Walter Co., 762 11th
**Western Grip & Trunk Co., 791 30th**
OSHKOSH—Bauer Trunk & Bag Co.
Oshkosh Trunk Co.
**Schmit Trunk & Bag Co.**

RACINE—Hartmann Trunk Co.
**Racine Trunk Co.**
Secor M. M. Trunk Co. (Sample, Toy, Sole Leather)

## 16057a—*Trunk (Wardrobe, Fixtures)

Parsons Specialty & Machine Works (Also Trolley), 2427 N 4th, Phila., Pa.

## 16058—Trunk & Bag Trimmings

See also Hardware Manufacturers, Trunk & Bag

Graton & Knight Mfg. Co. (Leather Handles, Straps, Corners, Loops, etc), Worcester, Mass.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Krischer's Mfg. Co. (Catches, Loops & Hinges), 186 Lewis, New York
Schlegel Mfg. Co. (Automobile), Rochester, N. Y.

## 16059—Trunks (Automobile)

Abel & Bach Co., Milwaukee, Wis.
Ajax Trunk & Sample Case Co. ("Ajax"), 150 W 18th, New York
Bal William Co. ("Bal Built"), Newark, N. J.
Berg Auto Trunk & Specialty Co. ("Bergrade"), 400 Lafayette, New York
Bosler E. H., 1935 Wabash av, Chicago, Ill.
Boyle Jno. & Co., 112 Duane, New York
Cutter & Cutter, 95 Bedford, Boston, Mass.
Eau Claire Trunk Co., Eau Claire, Wis.
Eifert Paul, Grand Rapids, Mich.
Fitzgerald Trunk Co., 1214 Wells, Chicago, Ill.
Fuller G. W. Co. ("Fuller"), Hartford, Conn.
Goldsmith L. & Son, Canal & Cherry, Newark, N. J.
Hartmann Trunk Co., Racine, Wis.
Headley & Farmer Co., Newark, N. J.
Kamlee Co. ("Kamlee"), 448 E. Water, Milwaukee, Wis.
Kronauer Chas. & Co. ("Kronauer's"), 844 Fulton, Chicago, Ill.
Likly Henry & Co., Rochester, N. Y.
McDonald Alexander, 15 Beacon, Boston, Mass.
McKane-Lins Co., 81 Wisconsin, Milwakkee, Wis.
Mendel-Drucker Co., Floral & Park, Cincinnati, Ohio
Milwaukee Auto Specialty Co. ("Masco"), 711 Chestnut, Milwaukee, Wis.
Nathan Novelty Mfg. Co. ("Nathan"), 55-5th, New York
New England Trunk Co., 26 Chauncey, Boston, Mass.
Newton W. H. & Son, Cortland, N. Y.
Niagara Auto Radiator Co., 151 W 68th, New York
Planet Co. ("Duplex" Folding), Westfield, Mass.
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
Ruch Autombile Top Co., Mt. Vernon, N. Y.
Sage Trunk Co., 134 Summer, Boston, Mass.
Seitz J. H. & Son, 414 Brown, Philadelphia, Pa.
Simon S. C. & Co. ("S. C. S. Luggage"), 404 Brown, Phila., Pa.
Stallman F. A., 57 E Spring, Columbus, O.
Taylor C. A. Trunk Works ("Taylor Made"), 28 E Randolph, Chicago, Ill.
Tuttle & Clark ("Blue Ribbon Quality Brand"), 187 E. Jefferson, Detroit, Mich.
Warren Leather Goods Co., Worcester, Mass.
Wilt Chas. T., 221 W Madison, Chicago, Ill.
Winship W. W., 71 Summer, Boston, Mass.
Winship W. W. & Sons Co., Utica, N. Y.
Wohlfeld S. & Bro., 538 N 3d, Phila., Pa.

## 16060— Trunks (Automobile Tire)

Ajax Trunk & Sample Case Co., 150 W 18th, New York
Berg Auto Trunk & Specialty Co. ("Bergrade"), 400 Lafayette, New York
Fitzgerald Trunk Co., 1214 Wells, Chicago, Ill.
Fuller G. W. Co. ("Fuller"), Hartford, Conn.
Goldsmith L. & Son ("G. & S. Neverbreak"), Cherry, Newark, N. J.
Kamlee Co. ("Kamlee"), 448 E Water, Milwaukee, Wis.
McDonald Alexander, 15 Beacon, Boston, Mass.
McDonald Brothers, Seattle, Wash.
Milwaukee Auto Specialty Co. ("Mason"), 711 Chestnut, Milwaukee, Wis.
Nathan Novelty Mfg. Co., ("Nathan"), 55-5th, av, New York
Sage Trunk Co., 134 Summer, Boston, Mass.
Simon S. C. & Company ("S. C. S. Luggage"), 404 Brown, Phila., Pa.
Stallman F. A., 57 E Spring, Columbus, O.
Taylor C. A. Trunk Works ("Taylor Made"), 28 E Randolph, Chicago, Ill.
Warren Leather Goods Co., Worcester, Mass.
Welch & Suthergreen Co. ("Amphi"), Fitchburg, Mass.
Winship W. W., 71 Summer, Boston, Mass.
Wohlfeld S. & Bro., 538 N 3d, Phila., Pa.

## 16061— Trunks (Wardrobe)

Kleber Trunk Co., 2308 Josephine, Pittsburgh, Pa.
Rogers Fibre Co. (Leatheroid Mfg. Co.) ("Leatheroid"), 121 Beach, Boston, Mass. *See adv index at end of book*

## 16061a— *Trunks & Suit Cases (Sample Fibre)

**ROGERS FIBRE CO.** ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

## 16062—Tryers (Butter & Cheese)

Burrell D. H. & Co., Little Falls, N. Y.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Landers, Frary & Clark (Cast Iron), New Britain, Conn.

## 16063— Tryers (Ham)

American Cutlery Co., 764 Mather, Chicago, Ill.
Osborne C. S. & Co., Box 183, Newark, N. J.
*See adv index at end of book*
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Stroh Steel Hardening Process Co., Pittsburgh, Pa.
Vaughan & Bushnell Co., 2114 Carroll av, Chicago, Ill.

## 16064— Tryers (Tallow)

Emrich Phil. (For Tanners), 824 Main, Cincinnati, O.

## 16065— Tube Mill Linings

**ABBE ENGINEERING CO.**, 216-224 Broadway, New York
*See adv index at end of book*
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Stroh Steel Hardening Process Co., 1st National Bank bldg, Pittsburgh, Pa.

## 16066—Tubes (Arch & Stay)

National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.

## Tubes (Asbestos)

**See Tubing, Asbestos Braided**

## 16066a— Tumes (Barometer)

Corning Glass Works, Corning, N. Y.

## 16067— Tubes (Boiler)

**See also Pipe & Tube Mills**

**ALBERT & DAVIDSON**, 256-264 Oakand, Brooklyn, N. Y.
*See adv index at end of book*
Allegheny Steel Co. ("Reliance," Charcoal Iron & Steel), Oliver bldg, Pittsburgh, Pa.
**AMERICAN TUBE & PIPE BENDING CO. (THE)** (Dealers), Cuyahoga & Mahoning avs, Cleveland, Ohio
*See adv index at end of book*
Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Castle A. M. & Co. (Lap-Weld & Seamless) ("Castle"), 715 N Morgan, Chicago, Ill.
Chicago Boiler Tube Co., 190 North State, Chicago, Ill.
**COLONIAL SUPPLY CO.**, 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
Delaware Seamless Tube Co. (Seamless Steel), Auburn, Pa.
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless Steel), Warren & Wyoming, Detroit, Mich.
**FOSTER MFG. & SUPPLY** (Lap Weld, Seamless & Charcoal Iron), 20th & Venango, Phila., Pa.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Globe Seamless Steel Tubes Co. (Seamless Cold Drawn Steel), Peoples Gas bldg, Chicago, Ill.
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
Hungerford U. T. Brass & Copper Co., (Cold Drawn) 80 Lafayette, New York
Ivins Elwod Tube Wks., Oak Lane Sta., Phila, Pa.


# BOILER TUBES FROM WAREHOUSE STOCK

**Straight or Bent** **For All Types of Boilers**

**Pipe Bends** **Conduit Elbows**

## THE AMERICAN TUBE & PIPE BENDING CO.

CLEVELAND, OHIO

TUBES (BOILER)—continued

Keating E. F. Co. (Iron & Steel), 446 Water, New York
**Larkin J. K. & Co., 34 Reade, New York**
*See adv index at end of book*
**McMann & Taylor Co., 104 John, New York**
*See adv index at end of book*
Mark Mfg. Co. (Lap Welded), Evanston, Ill.; Works: Zanesville, O.
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y.
*See adv index at end of book*
Monongahela Tube Co. (Iron & Steel), Ferguson bldg, Pittsburgh, Pa.
Nason Mfg. Co. (Jobbers), 71 Fulton, New York
**National Tube Co. ("National," Spellerized Lap-Welded Steel, "Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.**
**Parkesburg Iron Company (Charcoal Iron), Parkesburg, Pa.**
**PEERLESS IRON PIPE EXCHANGE, INC.** (New & Second Hand), 302 B'way, New York
*See adv index at end of book*
**Pittsburgh Steel Products Co. (Seamless Steel), Frick bldg, Pittsburgh, Pa.**
Reading Iron Co. (Wrought Iron, Charcoal Iron), Reading, Pa.
Rome Metal Products Co., Inc., 150 Nassau, New York
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
**Saul Eugene C., Monadnock bldg, San Francisco, Cal.**
**Scott, Suyden & Lamont, Monadnock bldg, San Francisco, Cal.**
Soule Edw. L. Co. (Iron & Steel, Products of all kinds), Rialto bldg, San Francisco, Cal.
*See adv index at end of book*
**Spang, Chalfant & Co. (Butt & Lap Welded Wrought Iron & Steel), Union Bank bldg, Pittsburgh, Pa.**
**Tyler Tube & Pipe Co. (Lap Welded, Knobled Charcoal Iron & Algerite Iron Special), Washington, Pa.**
**Walsh & Weidner Boiler Co., Chattanooga, Tenn.** *See adv index at end of book*
**WILLIAMS & CO. (INC.)**, 901-937 Pennsylvania av, N. S., Pittsburgh, Pa.
*See adv index at end of book*
Withers Foundry & Machine Works, Atlanta, Ga.

## 16067a—*Tubes (Boiler Bent)

**AMERICAN TUBE & PIPE BENDING CO. (THE)**, Cuyahoga & Mahoning avs, Cleveland, Ohio
*See adv index at end of book*

## 16068— Tubes (Bottle)

**Aldrich Mfg. Co., Buffalo, N. Y.**
**Ray Geo. A. Mfg. Co. (Silvered), Buffalo, N. Y.**
St. Louis Paper Can & Tube Corp. (Fibre), St. Louis, Mo.

## Tubes (Brass)

See Tubing, Brass & Copper

## Tubes (Carbon)

See Carbon Mfrs.

## 16069— Tubes (Collapsible)

Am. Collapsible Tube Corp. (Tin), 1012 Clinton, Hoboken, N. J.
Consolidated Fruit Jar Co. (Plain & Decorated), New Brunswick, N. J.
**NATIONAL CAN CO.**, Detroit, Mich.
New England Collapsible Tube Co. (Tin), New London, Conn.
Peerless Tube Co. (Tin), Bloomfield, N. J.
**Standard Specialty & Tube Co., New Brighton, Pa.**
**Western Aluminum Co., 180 N Dearborn, Chicago, Ill.**
**Wheeling Stamping Co. (Pure Tin & Pure Lead, Plain or Decorated), Wheeling, W. Va.**
White Metal Works, New Brunswick, N. J.
Wirz A. H. Inc., Chester, Pa.

## 16069a— Tubes (Combustion)

Baker & Co., Inc., 54 Austin, Newark, N. J.
Eimer & Amend, 205-3rd av, New York
Thermal Syndicate, Ltd., 50 E. 41st, New York

## 16069b— Tubes (Condenser)

**AMERICAN BRASS CO.**, (Brass & Admiralty) Waterbury, Conn.
*For branch offices see adv index at end of book*
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y.
*See adv index at end of book*

## 16069c— Tubes (Cooling)

Stevens Bros. 85 Liberty, New York.
Therma Syndicate, Ltd., 50 E. 41st, New York

## Tubes (Copper)

See Tubing, Brass & Copper

## 16069d— Tubes (Draft)

Stevens Bros, 85 Liberty, New York

## 16070— Tubes (Fibre)

**BRANDYWINE FIBRE PRODUCTS CO.**, E. Wilmington, Del.
*See adv index at end of book*
**CONTINENTAL FIBRE CO.** ("Bakelite-Delecto"), Newark, Del.
*See adv index at end of book*
Mikesell Bros., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
**National Fibre & Insulation Co., Yorklyn, Del.**

## Tubes (Flexible)

**See Tubing Flexible, Fabric; also Tubing, Flexible Metallic**

## 16071—Tubes (Flexible Threaded Seamless Refill)

**S. & L. Co. (For Plumbers), Springfield, Mass.**

## 16072— Tubes (Fuse)

**BRANDYWINE FIBRE PRODUCTS CO.**, East Wilmington, Del.
*See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Hard Fibre for Enclosed Fuses), Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*
Mikesell Bros., 156 N La Salle, Chicago, Ill.
*See adv index at end of book*
National Fibre & Insulation Co., Yorklyn, Del.
**Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.**

## 16073—Tubes (Grain Drill)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
**Cincinnati Rubber Mfg. Co., Cincinnati, O.**
**Goodrich B. F. Co. (Rubber), Akron, O.**
**Manhattan Rubber Mfg. Co., Passaic, N. J.**
**Sharon Steel Hoop Co. (Pressed Steel), Sharon, Pa.**
**YOUNGSTOWN PRESSED STEEL CO.**, Warren, O. *See adv. index at end of book*

## 16074— Tubes (Graphite)

Acheson Graphite Co., Niagara Falls, N. Y

## 16075—Tubes (Gravity Carrier)

Mohegan Tube Co., 306 Scott av & Meserole, Brooklyn, N. Y.
*See adv index at end of book*
National Tube Co., Frick bldg, Pittsburgh, Pa.

## 16076— Tubes (Gun)

Mohegan Tube Co., 306 Scott av & Meserole, Brooklyn, N. Y.
*See adv index at end of book*
**Schoverling, Daly & Gales (Dealer), 302 B'way, N. Y.**
**Tryon Edw. K. Co., 611 Market, Phila., Pa.**

## 16077— Tubes (Igniting)

**Hough Chas. N. Mfg. Co. (Nickel Alloy for Gas Engines), Franklin, Pa.**

**WILLIAMS & CO.**, 901-937 Pennsylvania av, N. S., Pittsburgh, Pa.
*See adv index at end of book*

WILLIAMS & CO. INC.
PITTSBURGH, PA.

## 16078—Tubes (Inner Automobile)

**American Tire & Rubber Co., Akron, O.**
Archer Tire & Rubber Co. ("Archer" Grey), 711 15th av N E, Minneapolis, Minn.
Century Plainfield Tire Co. ("Century"), North av, Plainfield, N. J.
Columbia Tire & Rubber Co., Mansfield, O.
**Continental Rubber Works ("Vitalic"), Erie, Pa.**
**Dreadnaught Tire & Rubber Co. ("Super-Dreadnaught"),Eager & 5th, Baltimore, Md.**
**Falls Rubber Co. ("Evergreen"), Cuyahoga Falls, O.**
**Goodrich B. F. Co., Akron, O.**
**Goodyear Tire & Rubber Co., Akron, O.**
**Gordon Tire & Rubber Co., Canton, O.**
**Hamilton Rubber Mfg. Co., Trenton, N. J.**
Hardman Rubber Cork, New Brunswick, N. J.
Howe Rubber Co., New Brunswick, N. J.
Ideal Tire & Rubber Co., Warner rd, Cleveland, Ohio
**Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.**
Keystone Rubber Mfg. Co. ("Keystone," "Mooray"), Erie, Pa.
Kokomo Rubber Co., Kokomo, Ind.
**Lee Tire & Rubber Co. ("Lee"), Conshocken, Pa.**
McGraw Tire & Rubber Co. ("Imperial"), East Palestine, O.
**McLean Tire & Rubber Co., East Liverpool, Ohio**
**Mansfield Tire & Rubbebr Co. ("Mansfield" & "Ohio"), Mansfield, O.**
Mason Tire & Rubber Co., Kent, Ohio
**Mattson Rubber Co., Lodi, N. J.**
McLean Tire & Rubber Co., East Liverpool, Ohio
Michelin Tire Co. (Red), Milltown, N. J.
Mississippi Valley Rubber Co. ("Mississippi"), Iowa City, Iowa
Mohawk Rubber Co., Akron, O.
Monarch Tire Co., Hartville, Ohio
National Rubber Co. ("Special Red," "Pure Gum Gray"), Pottstown, Pa.
**New Jersey Car Spring & Rubber Co. ("Wemaka"), 91 Brunswick, Jersey City, N. J.**
Parker-Stearns & Co. ("Alpha" Pure Red Rubber), 286 Sheffield, Brooklyn, N. Y.
Pennsylvania Rubber Co., Jeannette, Pa.
**Perfection Tube Co., Painesville, O.**
Rubber Products Co. ("Stronghold"), Barberton, O.
Semple Rubber Co. ("Semco"), Trenton, N. J.
Standard Tire & Rubber Mfg. Co., Willoughby, Ohio
Thermoid Rubber Co. ("Thermoid," "Textoid" & "De Luxe"), Trenton, N. J.
*See adv index at end of book*
Trent Rubber Co., Trenton, N. J.
Tyer Rubber Co. ("Tyrian"), Andover, Mass.
Victor Rubber Co., Springfield, Ohio
Vulcan Rubber Co., Erie, Pa.
Western Rubber Co., Goshen, Ind.

## 16079—Tubes (Inner Bicycle)

**Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.**
**Pennsylvania Rubber Co., Jeannette, Pa.**

## Tubes (Insulating)

See Insulators; also Conduits

## Tubes (Iron Lined)

See Tubing, Iron Lined

## 16080-1—Tubes (Mailing, Etc.)

**AMERICAN CAN CO.**, 120 B'way, New York *See adv index at end of book*
Bennett Paper, Can & Tube Co., 291 10th, San Francisco, Cal.

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
Brown Co. (Laminated One Inch To Four Inch Inside Diameter), Portland, Me.
Brown Jas. Jr. (Paper & Worsted Tubes & Cones), Ring & Main, Phila., Pa.
Chicago Mailing Tube Co., 425 S Hoyne av, Chicago, Ill.
Chicago Paper Tube & Can Co. (Paper for Mailing, Electrical Purposes, etc), 168 W May, Chicago, Ill.
Cumberland Valley Paper Box Co., Hagerstown, Md.
Detroit Paper Tube & Can Co., Ltd. (Mailing, Tin End Cans, etc), 26 Griswold, Detroit, Mich.
Eagle Envelope Co. (For Parcel Post), 5 So Wabash av, Chicago, Ill.
Elastoid Fibre Co. ("Elastoid" Paper), Waltham, Mass.
Empire Paper Tube & Box Co., 155 Bank, New York
Estes E. B. & Sons (Wooden), 364 5th av, New York *See adv index at end of book*
Hoffman J. C., Inc., 2595-3rd av, New York
International Mailing Tube & Wrapper Co., 212 Concord, Brooklyn, N. Y.
Kern & Son, 409 Pearl, New York
Lindley Box & Paper Co., Marion, Ind.
Lincoln Paper Co., Lincoln, Nebr.
Lowell Paper Tube Corp., Lowell, Mass.
McCreary Mfg. Co., Erie, Pa.
Mail Wrapper-Tube Co., 162 E 118th, New York
Michigan Paper Tube & Can Co., 9 Center, Detroit, Mich.
Pull The String Mailing Wrapper Co., 18 E Kinzie, Chicago, Ill.
Ritchie W. C. & Co., 400 S Green, Chicago, Ill.
Rochester Paper Products Co., Rochester, N. Y.
St. Louis Paper Can & Tube Corpn., St. Louis, Mo.
St. Louis Tissue & Mfg. Co., 2417 Chauteau av, St. Louis, Mo.
Seeley Tube & Box Co., 344 Central av, Newark, N. J.
Thames River Specialties Co., Uncasville, Conn.
Thompson & Norris Co., The, 212 Concord, Brooklyn, N. Y.
Union Paper Co. (Also Cans, Boxes, etc), 844 Washington, New York
Ware Co., 50 Watts, New York
Wilson Wyle T., 1151 N 3d, Phila., Pa.

## Tubes (Metal Collapsible)

See Tubes Collapsible

## 16082— Tubes (Mica)

American Mica Products Co.,32 N Dearborn, Chicago, Ill.
CHICAGO MICA CO. (All Grades in Round, Square & Hexagonal Shapes), Valparaiso, Ind. *See adv index at end of book*
Macallen Co., 16 Macallen, So. Boston, Mass.
Mikesell Bros. Co., 176-178 N La Salle Chicago, Ill. *See adv index at end of book*
Mica Mfg. Co., 135 Johnson, Brooklyn, N. Y.
New England Mica Co., Waltham, Mass.
Products Mica Co., 32 N Dearborn, Chicago, Ill.

## 16083— Tubes (Milking)

Pilling Geo. P. & Son Co., 23d & Arch, Phila., Pa.

## 16084—Tubes (Motor Cycle)

Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## 16084a— Tubes (Nickel)

Electrical Alloy Co. (Small Tubes), Morristown, N. J.

## Tubes (Paper)

See Tubes, Mailing, etc

## 16084b— Tubes (Pitot)

Precision Instrument Co., 21 Halsey, Newark, N. J. *See adv index at end of book*

## 16085— Tubes (Porcelain)

Akron Smoking Pipe Co. (Also Clay), Mogadare, O.
Freeman E. H. Electric Co., Trenton, N. J.
Guernsey Earthenware Co., Cambridge, O.
Illinois Electric Porcelain Co., Macomb, Ill.

## 16086— Tubes (Pyrometer)

Carborundum Co., Niagara Falls, N. Y.
Driver-Harris Co., Harrison, N. J. *See adv index at end of book*
Hardite Metals, Inc., 3 Park Row, New York
Thermal Syndicate (Ltd.), ("Viteosil," Pure Fused Silica), 50 E 41st, New York

## 16086a1—* Tubes (Pyrometer "Pyrolloy" Heat Resisting Nickel Alloy)

Supplee-Biddle Hardware Co., 510 Commerce, Phila, Pa.

## 16087a— Tubes (Silica)

Lenz Apparatus Co., 9 E 16th, New York

## 16088— *Tubes (Steel)

See also Tubing-Steel

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
WARD'S EDGAR T. SONS CO., (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

## Tubes (Thermometer)

See Tubing Glass

## 16089— Tubes (Wire)

AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill. *See adv index at end of book*

## Tubes (Wiring)

See Insulators; also Conduits

## Tubing

See Specific Articles and Index and in Following Headings

## 16089a— Tubing (Aeroplane)

Aluminum Co. of America, 2400 Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
American Tube Co., 37th & Rockwell, Chicago, Ill.
Dewes A. Co. (The), 199 Lafayette, New York
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Empire Tube & Steel Corp., College Point, N. Y.
Ivins Elwood Tube Wks., Oak Lane Sta., Phila, Pa.
National Tube Co., Frick bldg, Pittsburgh, Pa.
Peerless Iron Pipe Exchange, Inc., 302 B'way, New York. *See adv index at end of book*
Penn Flexible Metallic Tubing Co., 201 N Broad, Phila., Pa. *See adv index at end of book*
Standard Parts Co. The, Cleveland, O.
Stimpson Edwin B. Co., B'klyn, N. Y.
WARD'S EDGAR T. SONS CO., (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*

## 16090— Tubing (Aluminum)

Aluminum Co. of America (Seamless), Oliver bldg, Pittsburgh, Pa. *See adv index at end of book*
Bradford Co. (Imp.), 200 5th av, New York
Hough W. S. Jr. Co., 61 Peck, Providence, R. I.
Ivins Elwood Tube Works (Seamless), Oak Lane, Phila., Pa.
Metal Products Co., Inc., 100 So. Jefferson, Chicago, Ill. *See adv index at end of book*
Rome Hollow Wire & Tube Co., Rome, N. Y. *See adv index at end of book*
Seligman Arthur (Imp.), 165 B'way, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

## 16090a—*Tubing (Annealed)

Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*

## 16091—Tubing (Asbestos Braided)

American Asbestos Co., Norristown, Pa.
Asbestos Fibre Spinning Co., North Wales, Pa.
Elastoid Fibre Co., ("Elastoid"), Walthan, Mass.
Johns-Manville H. W. Co., Madison av & 41st, New York
Keasbey & Mattison Co., Ambler, Pa.
Mikesell Bros. Co., 156 N La Salle, Chicago, Ill. *See adv index at end of book*
Sall Mountain Co., 305 S La Salle, Chicago, Ill.
Watson H. F. Co., Erie, Pa.

## 16091a— Tubing (Automobile)

AMERICAN TUBE CO., 3703 S Rockwell, Chicago, Ill. *See adv index at end of book*
Empire Tube & Steel Corp., College Point, N. Y.
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
Rotary Tire & Rubber Co., Zanesville, O.
Standard Steel Tube Co., Toledo, O.
WARD'S EDGAR T. SONS CO., (Stock for immediate delivery), 304 Hudson, New York *See adv index at end of book*
WILLIAMS & CO., INC., 901-937 Pennsylvania av., N. S., Pitsburgh, Pa. *See adv index at end of book*

WILLIAMS & CO. INC.
PITTSBURGH, PA.

## 16091b—*Tubing (Automobile Pump)

Thermoid Rubber Co., Trenton, N. J. *See adv index at end of book*

## 16092-3—Tubing (Bedstead)

Am. Steel Tube Co., Toledo, Ohio
AMERICAN TUBE CO., 3703 S Rockwell, Chicago, Ill. *See adv index at end of book*
Elyria Iron & Steel Co. (High Carbon Steel Welded Butted & Brazed), 232 E. 131st, Cleveland, O.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Empire Tube & Steel Corp., College Point, N. Y.
Jackson S. Tube Co., Inc., (Iron Lined Brass), 39 Rodney, Brooklyn, N. Y.
Keystone Tube Works (Round & Square, Welded, etc), Connellsville, Pa.
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
MOHEGAN TUBE CO., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
National Tube Co. ("National" Welded "Shelby" Seamless Round, Square, Rectangular, etc), Frick bldg, Pittsburgh, Pa.
Newark Tube & Metal Works, 560 Ferry, Newark, N. J.
New Jersey Tube Co. (Brass), Harrison, N. J.
Ohio Seamless Tube Co. (Seamless Steel) Shelby, O.
Phenix Tube Co. (Brass, Bronze & Aluminum, Iron Lined), 182 N 11th, Brooklyn, N. Y.
Waterbury Mfg. Co., Waterbury, Conn.

## 16094— Tubing (Bicycle)

See also Tubing, Steel

Am. Steel Tube Co., Toledo, Ohio
AMERICAN TUBE CO., 3703 S Rockwell, Chicago, Ill. *See adv index at end of book*
Empire Tube & Steel Corp., College Point, N. Y.
Frasse Peter A. & Co. (Inc.), 417 Canal, New York
Ivins Elwood Tube Wks., Oak Lane sta., Phila., Pa.
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.

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TUBING (BICYCLE)—continued
Standard Steel Tube Co., Toledo, O.
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York
**WILLIAMS & CO. (INC.)**, 901-937 Pennsylvania av, N. S., Pittsburgh, Pa.
*See adv index at end of book*

## 16095— Tubing (Brass, Bronze & Copper)

See also Tubes (Brass & Tubes) Copper

**ALLOY STEEL PRODUCTS CORP.**, 19 W 44th, New York
*See adv index at end of book*
**AMERICAN BRASS CO.** (Seamless & Brazed), Waterbury, Conn.
*For branch offices see adv index at end of book*
American Tube Works ("Green's," "Alston's," "Adams'," Seamless Drawn), 10 Oliver, Boston, Mass.
**BALTIMORE TUBE CO.** ("Oriole," Seamless), Wicomico & Ostend, Baltimore, Md.
Bamford & Smith Co., 9 Culver, Providence, R. I.
**Benedict & Burnham Mfg. Co., Waterbury, Conn.**
Besly Chas. H. & Co. (Jobbers, Seamless, etc.), 129 N. Clinton, Chicago, Ill.
Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Metal Goods Mfg. Co. (Pressed Drawn Brass), Bridgeport, Conn.
Bristol Brass Co. (Brass Brazed Only), Bristol, Conn.
British American Metals Co., Inc. (Seamless), 52 Vanderbilt av, New York
Cleveland Brass & Copper Mills, Inc., Euclid, O.
Coe Brass Mfg. Co., Torrington, Conn.
**CHASE METAL WORKS** ("Chase") Waterbury, Conn.
Chase Rolling Mill Co. ("Chase"), Waterbury, Conn.
Continuous Rolling Mills, Inc. (Seamless), Garwood, N. J.
Croton Mfg. Co. (Lock Joint Steel Lined Brass Tubing), Croton on Hudson, N. Y.
Dallas A. C. & Son (Brass & Copper), 225 N Jefferson, Chicago, Ill.
Dallas Brass & Copper Co., 820 Orleans, Chicago, Ill.
Detroit Copper & Brass Mills, Clark av nr Wabash R. R., Detroit, Mich.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
**Erie-Buffalo Tube Co. (Small), Erie, Pa.**
**French Mfg. Co. (Seamless Brass, Small Sizes Only), Waterbury, Conn.**
**Gardner B. M. Co., Guardian bldg, Cleveland, O.**
**Graff A. & Sons (Brass), 39 Shipley, San Francisco, Cal.**
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**Hough W. S. Jr. Co. (Brass & Copper), 61 Peck, Providence, R. I.**
**Hungerford U. T. Brass & Copper Co.** ("Star") (Seamless), 80 Lafayette, New York
Industrial Steel & Brass Corp., 602 W Lake, Chicago, Ill.
**Ivins Elwood Tube Works (Seamless), Oak Lane Station, Phila., Pa.**
Klenke F. J. Co. ("Diamond K"), Sharon bldg, San Francisco, Cal.
Larkin J. K. & Co. (Brass & Copper Tubes), 34 Reade, New York
*See adv index at end of book*
Latshaw Steel & Metal Products Corp., 220 B'way, New York
*See adv index at end of book*
Livermore Homer F., Inc., 85 Pearl, Boston, Mass.
McKenna Brass Mfg. Co. (Jobbers), 1st av & Ross, Pittsburgh, Pa.
Manhattan Brass Co. (Brass & Bronze), 332 E 28th, New York
Marwedel C. W. (Brass & Copper Jobbers), 76 1st, San Francisco, Cal.
**MERCHANT & EVANS CO.** (Jobbers), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Metal Products Co., Inc., 100 So. Jefferson, Chicago, Ill. *See adv index at end of book*

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METAL PRODUCTS CO.
100 South Jefferson Street, Chicago, Ill.

Michigan Copper & Brass Co. (Brazed & Seamless), 1611 W Jefferson av, Detroit, Mich.
**MIDWEST BRASS & COPPER CO., INC.**, 480 Broome, New York
*See adv index at end of book*
National Brass & Copper Tube Co., 639 Mission, San Francisco, Cal.
National Brass & Copper Tube Co., 41 Park Row, New York
National Co. (Seamless), Waterbury, Conn.
New Jersey Tube Co. (Bent Brass, etc), Harrison, N. J.
North American Copper Co., 52 Vanderbilt av, New York
Philadelphia Brass Co., East Downingtown, Pa.
Randolph-Clowes Co. (Seamless), Waterbury, Conn.
Roberts Tube Works (Seamless), 868 Military av, Detroit, Mich.
Rome Brass & Copper Co. (Seamless or Brazed, also Bronze), Rome, N. Y.
Rome Hollow Wire & Tube Co., Rome, N. Y.
Sandusky Foundry & Machine Co., Sandusky, Ohio
Scott, Sugden & Lamont, Monacknock bldg., San Francisco, Cal.
Standard Brass & Copper Tube Co. (Cold Drawn Seamless, Brass & Copper), New London, Conn.
Summerill Tubing Co. (Seamless Cold Drawn), Bridgeport, Pa.
**TRUMPBOUR-WHITEHEAD BRASS & COPPER CO.**, 309-311 Canal, New York, & 43 N 7th, Phila., Pa.
*See adv index at end of book*
Twentieth Century Brass Works (Brass), 514 5th av, S Minneapolis, Minn.
United Wire & Supply Co. (Seamless Swaged & Bent; also Brazed Brass Tubing), Elmwood Station, Providence, R. I.
Waterbury Mfg. Co. (Brass Brazed Only), Waterbury, Conn.
Wells A. H. & Co. (Seamless), 563 Watertown rd, Waterbury, Conn.
Wheeler Condenser & Engrg. Co. (Seamless drawn), Carteret, N. J.
*See adv index at end of book*

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**WHITEHEAD METAL PRODUCTS CO.**, 67-73 Washington, North, Boston, Mass. *See adv index at end of book*
Williams & Co., Inc., 901-927 Pennsylvania av, N. S., Pittsburgh, Pa.
*See adv index at end of book*

**WILLIAMS & CO. INC.**
**PITTSBURGH, PA.**

Wolverine Tube Co. (Bent & Formed Seamless Brass & Copper) 33rd & McGraw, Detroit, Mich.

## 16096— *Tubing (Brass Covered)

Ivins Elwood Tube Wks., Oak Lane sta., Phila., Pa.
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*

## 16096a—*Tubing (Brazed, Brass & Copper)

**CHASE METAL WORKS**, Waterbury, Conn.

## 16097—Tubing (Brazed Steel)

Consolidated Mfg. Co., Toledo, O.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
Newark Tube & Metal Works, 560 Ferry, Newark, N. J.
**Phenix Tube Co., 182 N 11th, Brooklyn, N. Y.**
Standard Steel Tube Co. ("Toledo"), Toledo, O.

## 16097a—*Tubing (Butted)

**AMERICAN TUBE CO.**, 3703 S Rockwell, Chicago, Ill. *See adv index at end of book*
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*

## 16097b—*Tubing (Carburetor)

**DEWES A. CO., THE**, 199 Lafayette, New York

## Tubing (Celluloid)

**See Celluloid, Fibreloid & Pyrolin Manufacturers**

## 16098—*Tubing (Cold Drawn Seamless Steel)

See also Tubing, Steel

Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Ivins-Elwood Tube Works, Oak Lane sta., Phila., Pa.
**MOHEGAN TUBE CO.,** Scott av, Brooklyn, N. Y. *See adv. index at end of book*
**PEERLESS IRON PIPE EXCHANGE, INC.,** 302 B'way, New York. *See adv index at end of book*
Standard Parts Co., Cleveland, O.
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York.
Williams & Co. (Inc.), 901-937 Pennsylvania av, N. S., Pittsburgh, Pa. *See adv index at end of book*

**WILLIAMS & CO. INC.**
**PITTSBURGH, PA.**

## 16099—Tubing (Condenser)

American Brass Co. ("Admiralty," & Brass), Waterbury, Conn. *For branch offices see adv index at end of book*
**BALTIMORE TUBE CO.** ("Oriole"), Wicomico & Ostend, Baltimore, Md.
Bridgeport Brass Co., Bridgeport, Conn.
British American Metals Co., Inc., 52 Vanderbilt av, New York
**CHASE METAL WORKS** ("Chase" Brass & Copper), Waterbury, Conn.
Chase Rolling Mill Co. ("Chase" Brass & Copper), Waterbury, Conn.
**Hungerford U. T. Brass & Copper Co.** (Brass, Plain & Tinned), 80 Lafayette, New York
Midwest Brass & Copper Co., Inc. (Brass), 480 Broome, New York *See adv index at end of book*
National Brass & Copper Tube Co., Inc., 639 Mission, San Francisco, Cal.
North Amer. Copper Co., 52 Vanderbilt av, New York
Rome Brass & Copper Co. (Brass), Rome, N. Y.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Phila., Pa. *See adv index at end of book*
Wheeler Condenser & Engineering Co., Carteret, N. J. *See adv index at end of book*
**WHITEHEAD METAL PRODUCTS CO.,** 67-73 Washington, North Boston, Mass. *See adv index at end of book*

## Tubing (Conduit)

**See Sleeving, Cotton**

## 16099a— Tubing (Evaporator)

Wheeler Condenser & Engineering Co., Carteret, N. J. *See adv index at end of book*

## 16099b— *Tubing (Exhaust)

**DEWES A. CO., THE,** 199 Lafayette, New York

## 16100—Tubing (Flexible Fabric)

Atlantic Tubing Co. (Gas Pipe Tubing), 1756 Cranston, Providence, R. I.
James Mfg. Co. ("Klingtite" Gas), Cleveland, Ohio
New York Gas Tubing Co., 95 Bank, New York
Norwalk Mfg. Co. (Safety Gas), E Norwalk, Conn.
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.

## 16101—Tubing (Flexible Metallic)

Almond T. R. Mfg. Co. ("Almond," for Electric Light Brackets, Portables, Oil & Gasoline, etc), Ashburton, Mass.
Am. Metal Moulding Co., 145 N. J. R. R. av, Newark, N. J.
American Metal Hose Co. ("American"), Waterbury, Conn.
Atlantic Metal Hose Co., 311 W 59th, New York
Automobile Supply Mfg. Co. (Brass & Iron, Light Pressure for Auto Horns, etc), 80 B'way, Brooklyn, N. Y.
Breeze Carburetor Co., 250 South, Newark, N. J.
Chicago Tubing & Braiding Co. ("Rex"), 216 N Clinton, Chicago, Ill.
Col.-Mac. Co., 250 South, Newark, N. J.
**DEWES A. CO., THE,** 199 Lafayette, New York
Fischer Chas. Spring Co., 473 Kent av, Brooklyn, N. Y.
Johns-Manville H. W. Co. ("J-M"), Madison av & 41st, New York
Kaufman A. G. Mfg. Co., 210 5th av., New York
**METAL HOSE & TUBING CO.** (Rubber & Fabric Covered Flexible Metallic), ("Triplexd"), 252 Tillary, Brooklyn, N. Y. *See adv index at end of book*
Meyer Herbert J. Co., 225-27 Cedar, Buffalo, N. Y.
Mulconroy Co. ("Mulconroy" Interwoven), 54th & Jefferson, Phila., Pa.
Norwalk Mfg. Co., E Norwalk, Conn.
N. Y. Flexible Metallic Hose & Tubing Co., 112 W 42nd, New York
Penna. Flexible Metallic Tubing Co. (Copper or Steel High Pressure, etc), Broad & Race, Phila., Pa.
Schoen-Jackson Co., Media, Pa.
Schwartz S. Robert & Bro., 729 B'way, New York
Sprague Electric Works, 527 W 34th, New York
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
U. S. Flexible Metallic Tubing Co. (Jobbers), 65 Main, San Francisco, Cal.
Wheelock Mfg. Co. (Steel), Wheelock, Vt.
Whitman Metal Goods Co. (Brass & Steel), Whitman, Mass.

## 16101-2— Tubing (Gas)

Chicago Tubing & Braiding Co. ("Kantleke"), 216 N Clinton, Chicago, Ill.
**DEWES A. CO., THE,** 199 Lafayette, New York

## 16103— Tubing (Glass)

Bobe P. Glass Works (Test), 2711 Lemp av, St. Louis, Mo.
Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
Corning Glass Works (Electrical, Clinical, Thermometer, etc), Corning, N. Y.
Demuth Glass Mfg. Co., Gardner av, Brooklyn, N. Y.
Durand-Koering Glass Co. (Also Rods), Vineland, N. J.
Glogau & Co., Dickey bldg, Chicago, Ill.
Gove Hartley (Thermo), Vineland, N. J.
International Glass Co., Millville, N. J.
Kimble Glass Co. (Also Rods, Finished & Unfinished), 402 W Randolph, Chicago, Ill.
Libbey Glass Co., Toledo, O.
Pairpoint Corp'n (For Electrical Use), New Bedford, Mass.
Ruth Glass Co., Conshohocken, Pa.
Staniford J. W. & Co., 40 Hanover, Boston, Mass.
Vineland Flint Glass Works (Also Rods, Unfinished), Vineland, N. J.
Wagner Glass Works, 697 E 132d, New York
Whitall Tatum Co., 410 Race, Phila., Pa.

## 16104— Tubing (Hard Fibre)

See also Fibre, Hard

**BRANDYWINE FIBRE PRODUCTS CO.,** East Wilmington, Del. *See adv index at end of book*
Chicago Mica Co., Valparaiso, Ind. *See adv index at end of book*
**CONTINENTAL FIBRE CO.,** Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.,** Wilmington, Del. Works, Marshallton, Del. *See adv index at end of book*
**WILMINGTON FIBRE SPECIALTY CO.** (Vulcanized), Wilmington, Del. *See adv index at end of book*

## 16105—Tubing (Hard Rubber)

American Hard Rubber Co., 9 Mercer, New York
Goodrich B. F. Co., Akron, O.
Home Rubber Co., Trenton, N. J.
Indian Rubber Co., New Brunswick, N. J.
Stokes Jos. Rubber Co., Trenton, N. J.
Vulcanized Rubber Co., 251 4th av, New York

## 16106—Tubing (Hot Rolled Seamless Steel)

Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**MOHEGAN TUBE CO.,** 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
**WARD'S EDGAR T. SONS CO.** (Stock for immediate delivery), 304 Hudson, New York. *See adv index at end of book*

## 16106a— *Tubing (Interlocked)

**DEWES A. CO., THE,** 199 Lafayette, New York

## 16106b— Tubing (Iron)

See also Pipe & Tube Mills

**LARKIN J. K. & CO.** (Also Tubes), 34 Reade, New York *See adv index at end of book*
**PEERLESS IRON PIPE EXCHANGE INC.,** 302 B'way, New York *See adv index at end of book*

## 16107—Tubing (Iron Lined)

American Brass Co., Waterbury, Conn. *For branch offices see adv index at end of book*
Bridgeport Brass Co., Bridgeport, Conn.
Jackson S. Tube Co. Inc. (Brass), 29 Rodney, Brooklyn, N. Y.
Manhattan Brass Co., 332 E 28th, New York
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
New Jersey Tube Co., Harrison, N. J.
Phenix Tube Co. (Brazed, Lock Joint, Close Joint & Bent, Brass, Bronzes & Aluminum), 182 N 11th, Brooklyn, N. Y.
Rome Brass & Copper Co. (Brass), Rome, N. Y.
Western Brass Mfg. Works, Marshall blvd & W 21st, Chicago, Ill.

## 16108—Tubing (Lead & Block Tin)

American Lead Co., 3116 Penn av, Pittsburgh, Pa.
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
Crown Metal Co. (Lead Only), 259 Washington, Milwaukee, Wis.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
National Lead Co., 111 B'way, New York
United Lead Co., 111 B'way, New York

## 16108a—Tubing (Metallic)

Warnola Mfg. Co., Inc., 73-75 Wooster, New York

## 16108b—Tubing (Monel Metal)

Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa. *See adv index at end of book*

## 16109—Tubing (Nickel Silver)

See also Tubing, Brass, Bronze & Copper

**AMERICAN BRASS CO.,** Waterbury, Conn. *See adv index at end of book*
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co., Bristol, Conn.
Chase Metal Works ("Chase"), Waterbury, Conn.
Chase Rolling Mill Co. ("Chase"), Waterbury, Conn.
French Mfg. Co. (Seamless, Small Sizes Only), Waterbury, Conn.
Hough W. S. Jr. Co. (Seamless), 61 Peck, Providence, R. I.
Midwest Brass & Copper Co., Inc., 480 Broome, New York *See adv index at end of book*
National Co. (Seamless), Waterbury, Conn.
Summerhill Tubing Co. (Seamless Cold Drawn), Bridgeport, Conn.
United Wire & Supply Co. (Seamless), 109 Summer, Providence, R. I.
Wells A. H. & Co. (Seamless), Waterbury, Conn.

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## 16110— Tubing (Organ)

Chadwick-Boston Lead Co. (Composition), Boston, Mass.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
National Lead Co., 111 B'way, New York
United Lead Co., 111 B'way, New York

## 16110a—*Tubing (Plated)

Mohegan Tube Co. (Nickel, Brass & Copper), 306 Scott av, Brooklyn, N. Y.
*See adv index at end of book*
Wall A. T. Co. (Rolled Gold & Silver), 162 Clifford, Providence, R. I.

## 16111— Tubing (Platinum)

American Platinum Works, 231 N. J. R. R. av, Newark, N. J.
Baker & Co., 54 Austin, Newark, N. J.

## 16112— Tubing (Porcelain)

Locke Insulator Mfg. Co., Victor, N. Y.
Pittsburgh High Voltage Insulator Co., Derry Pa.

## 16113— Tubing (Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.
American Hard Rubber Co., 9 Mercer, New York
Armstrong Rubber Co., Garfield, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Braun-Knecht-Heimann Co. (Labruco Thermofix), 576-584 Mission, San Francisco, Cal.
Canfield H. O. Co., Bridgeport, Conn.
Cincinnati Rubber Mfg. Co., Cincinnati, O.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Curtis Tire & Rubber Co., Muskegon, Mich.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Eclat Rubber Co. ("Ekla" Mechanical), Cuyahoga Falls, Ohio
Ehman Tire & Rubber Co., 176 N. Michigan av, Chicago, Ill.
Empire Tire & Rubber Corp., Trenton, N. J.
Essex Rubber Co., Trenton, N. J.
Faultless Rubber Co., Ashland, O.
Federal Rubber Co., The, Cudahy, Wis.
Gillette Rubber Co., 1834 B'way, New York
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
International India Rubber Corp. ("South Bend"), South Bend, Ind.
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mattson Rubber Co., Lodi, N. J.
Mercer Rubber Co., Hamilton Square, N. J.
Miller Rubber Co., Akron, O.
Mutty L. J. Co., 175 Congress, Boston, Mass.
National India Rubber Co., Bristol, R. I.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
New York Belting & Packing Co. (Pure & C. I.), 91 Chambers, New York
Norwalk Mfg. Co., E Norwalk, Conn.
Parker-Stearns & Co. ("Alhpa," Black or Red), 286 Sheffield av, Brooklyn, N. Y.
Pennsylvania Rubber Co. (Acid, High Pressure, Cloth Insertion, Steam, Gas, Oil, Fire Extinguisher, etc), Jeannette, Pa.
Plymouth Rubber Co., Canton, Mass.
Quabaug Rubber Co., North Brookfield, Mass.
Quaker City Rubber Co. ("Niotus"), 629 Market, Phila., Pa.
Republic Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., New Haven, Conn.
Sterling Tire Corp. ("Sterling"), Rutherford, N. J.
Tyer Rubber Co. (All Grades, Colors & Sizes), Andover, Mass.
United & Globe Rubber Mfg. Co., Trenton, N. J.
U. S. Rubber Co., 1790 B'way, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 16114—Tubing (Rubber, Cloth Insertion)

Boston Woven Hose & Rubber Co., Cambridge, Mass.

## 16114a—*Tubing (Seamless Brass & Copper)

**MIDWEST BRASS & COPPER CO., INC.,** 480 Broome, New York
*See adv index at end of book*

## 16115—Tubing (Seamless Steel)

**See also Tubing, Steel**

Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Bordentown Steel & Tube Corp., Bordentown, N. J.
Frasse Peter A. & Co. (Inc.), 417 Canal, New York
Globe Seamless Steel Tubes Co., People's Gas bldg, Chicago, Ill.
**HAWKRIDGE BROS. CO.,** 303 Congress Boston, Mass.
*See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Ivins Elwood Tube Works, Oak Lane Sta., Phila., Pa.
Larkin J. K. & Co. (Also Tubes), 34 Reade, New York. *See adv index at end of book*
**MOHEGAN TUBE CO.,** 306 Scott av, Brooklyn, N. Y.
*See adv index at end of book*
**MORRIS E. K. & CO.,** 317 W 2d, Cincinnati, O.
**PEERLESS IRON PIPE EXCHANGE, INC.,** 302 Broadway, New York
*See adv index at end of book*
Roberts C. A. Co., 20-24 Aberdeen, Chicago, Ill.
Scott, Siegden & Lamont, Monadnock bldg, San Francisco, Cal.
Standard Seamless Tube Co., Ambridge, Pa.
Steel Sales Corp., Adams & Jefferson, Chicago, Ill
Toledo Steel Tube Co., Toledo, O.
**WARD'S EDGAR T. SONS CO.,** 44-54 Farnsworth, Boston, Mass.
*See adv index at end of book*
**WARD'S EDGAR T. SONS CO.** (Stock for Immediate Delivery), 304 Hudson, New York. *See adv index at end of book*
**WILLIAMS & CO., INC.,** 901-937 Pennsylvania av, N S, Pittsburgh, Pa.
*See adv index at end of book*

## 16115a—*Tubing (Sherardized)

**MOHEGAN TUBE CO.,** 306 Scott av, Brooklyn, N. Y.
*See adv index at end of book*

## 16116— Tubing (Silver)

Hough W. S. Jr. Co. (Seamless), 61 Peck, Providence, R. I.
United Wire & Supply Co. (Seamless), Elmwood Station, Providence, R. I.

## 16117— Tubing (Soft Steel)

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Ivins Ellwood Tube Works (Seamless), Oak Lane Station, Phila., Pa.
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
**WARD'S EDGAR T. SONS CO.** (Stock for Immediate Delivery), 304 Hudson, New York. *See adv index at end of book*
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av, N S, Pittsburgh, Pa.
*See adv index at end of book*

## 16118— Tubing (Square)

Braun J. G., 609 S Paulina, Chicago, Ill.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Empire Tube & Steel Corp., College Point, N. Y.
Ivins Elwood Tube Works, Oak Lane Sta., Phila., Pa.
Keystone Tube Works (Welded Agricultural, Bedstead, etc), Connellsville, Pa.
Mohegan Tube Co., Scott av & Meserole, Brooklyn, N. Y.
*See adv index at end of book*
National Tube Co. ("Shelby" Seamless Steel), Frick bldg, Pittsburgh, Pa.
Roberts C. A. Co., 20-24 Aberdeen, Chicago, Ill.
**WARD'S EDGAR T. SONS CO.** (Stock for Immediate Delivery), 304 Hudson, New York. *See adv index at end of book*
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av N S, Pittsburgh, Pa.
*See adv index at end of book*

## 16119— Tubing (Steel)

**See also Tubing, Seamless Steel; also Pipe & Tube Mills**

American Steel Tube Co. (Gages 14-22), 3703 S Erie, Toledo, Ohio
**AMERICAN TUBE CO.,** Rockwell, Chicago, Ill. *See adv index at end of book*
Blum Julius & Co. (Seamless), 540 W 22nd, New York
Calumet Steel Co. (Butted & Brazed Structural), 208 S La Salle, Chicago, Ill.
Carpenter Steel Co., The (Hot Rolled Seamless Steel), Reading, Pa.
Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.
Consolidated Mfg. Co. (Brazed for Automobiles, Bicycles, Baby Carriages, etc), Toledo, O.
Delaware Seamless Tube Co. (Seamless), Auburn, Pa.
Detroit Seamless Steel Tubes Co. (Cold Drawn Seamless), Warren & Wyoming, Detroit, Mich.
Elyria Iron & Steel Co. ("Elisco" Cold Rolled), 232 E 131st, Cleveland, O.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Empire Tube & Steel Corp., College Point, N. Y.
Flat Metal Mfg. Co. (Welded Seamless), 223 W Huron, Chicago, Ill.
Frasse Peter A. & Co. (Inc.), 417 Canal, New York
Globe Seamless Steel Tubes Co. (Cold Drawn High Carbon Seamless Steel), People's Gas bldg, Chicago, Ill.
Hungerford U. T. Brass & Copper Co. (Seamless), 80 Lafayette, New York
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Ivins Ellwood Tube Works (Cold Drawn Seamless), Oak Lane, Phila., Pa.
Kawner Mfg. Co. (Seamless for V. P.), Niles, Mich.
Keystone Tube Works (Round & Square Welded, Agricultural, Bedstead, etc), Connellsville, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

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We manufacture (in quantity) sizes 5/16" to 3¾" O. D. Gauges No. 22 to 5/32" wall, and bend to form, drill, machine and thread to blue print specifications for motors, automobiles, auto trucks, tractors, aeroplanes, bedsteads, etc.

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Muffler Outlet Pipes
Gas Intake Manifolds
Oil Head Assemblies
Breather Tubes
Ignition Cable Conduits
Hot Air Carburetor Tubes
Oil Filler Pipes
Throttle Control Tubes
Steering Gear Tubes
Brake Pedal Tubes
Horn Wire Tubes
Starting Crank (Handle Sleeves)
Grease Cup Extensions
Spacers
Bushings
Robe & Foot Rails
Bumpers
Wrenches
Stampings
Water Manifolds

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**AMERICAN TUBE COMPANY, 3703 S. Rockwell Street, Chicago, Illinois**


**MOHEGAN TUBE CO.** ("Smooth-Oh"), 306 Scott av, Brooklyn, N. Y.
*See adv index at end of book*
National Tube Co. ("Shelby" Cold Drawn Seamless), Frick bldg, Pittsburgh, Pa.
Newark Tube & Metal Works (Butt Joint), 560 Ferry, Newark, N. J.
Ohio Seamless Tube Co. (Cold Drawn Seamless), Shelby, O.
Ohio Steel Products Co., Mineral Ridge, Ohio
Phenix Tube Co. (Brazed, Butted, Square & Twisted), 182 N. 11th, Brooklyn, New York
Pittsburgh Seamless Tube Co., Beaver Falls, Pa.
Pittsburgh Shafting Co. (Seamless), 346 W Fort, Detroit, Mich.
Pittsburgh Steel Products Co. (Hot Rolled & Cold Drawn Seamless), Frick bldg, Pittsburgh, Pa.
Pressed Metal Radiator Co. ("Paramount"), Pittsburgh, Pa.
**ROBERTS C. A. CO.,** 20-24 Aberdeen, Chicago, Ill.
Rome Hollow Wire & Tube Co. (Seamless Hollow Wire), Rome, N. Y.
Rome Metal Products Corp. (Seamless), 150 Nassau, New York
**STANDARD PARTS CO.** ("Stanweld" Electrically Welded), W 73d, Cleveland, O.
Standard Steel Tube Co. ("Toledo" Brazed for Mechanical Purposes), Toledo, O.
Summerill Tubing Co. (Cold Drawn Seamless), Bridgeport, Pa.
Timken Roller Bearing Co. (Cold Drawn Seamless), Canton, O.
Toledo Steel Tube Co., Toledo, Ohio
Tyler Tube & Pipe Co. (Lap Welded), Washington, Pa.
Veithardt Steel & Metal Corp., 15 Park Row, New York
**WARD'S EDGAR T. SONS CO.** (Stock for Immediate Delivery), 304 Hudson, New York. *See adv index at end of book*
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av N S, Pittsburgh, Pa.
*See adv index at end of book*

## 16119a—Tubing (Steel, Acetylen Welded)

**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
**AMERICAN TUBE CO.,** 3703 S Rockwell, Cleveland, O. *See adv index at end of book*
**HAWKRIDGE BROS. CO.,** 303 Congress, Boston, Mass.
*See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
**MOHEGAN TUBE CO.,** 306 Scott av, Brooklyn, N. Y.
*See adv index at end of book*
**PEERLESS IRON PIPE EXCHANGE, INC.,** 302 B'way, New York
*See adv index at end of book*
Standard Parts Co. ("Stanweld" Electrically & Gas), Cleveland, O.

## 16119b—*Tubing (Steel, Lock-Seam)

Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
Standard Parts Co., Cleveland, O.

## 16119c—*Tubing (Steel, Open Seam)

Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
Standard Parts Co., Cleveland, O.

## 16120— Tubing (Structural)

**Calumet Steel Co. (Butted & Brazed), 208 S La Salle, Chicago, Ill.**
Central Tube Co., 1st National Bank bldg, Pittsburgh, Pa.
**Danville Structural Tubing Co., Danville, Pa.**
**Elyria Iron & Steel Co. (High Carbon Steel, Butted & Brazed),** 232 E 131st, Cleveland, O.
**Keystone Tube Works, Connellsville, Pa.**
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
National Tube Co., Frick bldg, Pittsburgh, Pa.
Peerless Iron Pipe Exchange Inc., 302 B'way, New York
*See adv index at end of book*
**ROBERTS C. A. CO.,** 20-24 Aberdeen, Chicago, Ill.
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av N S, Pittsburgh, Pa.
*See adv index at end of book*

## 16121—Tubing (Swaged & Bent)

**AMERICAN TUBE CO.,** 3703 S Rockwell, Cleveland, O. *See adv index at end of book*
American Tube Bending Co., New Haven, Conn.
**AMERICAN TUBE & PIPE BENDING CO. (THE),** Cuyahoga & Mahoning avs, Cleveland, O.
*See adv index at end of book*
**Consolidated Mfg. Co., Toledo, O.**
Detroit Seamless Steel Tube Co. (Unset), Warren & Wyoming, Detroit, Mich.
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
New Jersey Tube Co., Harrison, N. J.
Standard Steel Tube So., Toledo, O.
**Tyler Tube & Pipe Co. (Lap-Welded), Washington, Pa.**
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av N S, Pittsburgh, Pa.
*See adv index at end of book*

## 16122— Tubing (Tapered)

**AMERICAN TUBE CO.,** 3703 S Rockwell, Cleveland, O. *See adv index at end of book*
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*
**Standard Metal Work Co. (For Automobiles, Motor Boat Engines, etc), Thompsonville, Conn.**
Standard Steel Tube Co., Toledo, Ohio

## 16123— Tubing (Tool Steel)

Ivins Elwood Tube Works, Oak Lane, Phila., Pa.
Standard Steel & Wire Co., 549 W Washington blvd, Chicago, Ill.
*See adv index at end of book*

STEEL TUBING

**WELDED**
**SEAMLESS**
**BUTTED SEAM**
**OPEN SEAM**
**LOCK-JOINT**

*Furnished in special shapes or bent*

Our welded steel tubing, made by a special process, is equal to seamless tube of the same dimensions, and cheaper. ⅜" to 3" round, ½" to 2" square, 14 to 20 B W G.

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MOHEGAN TUBE CO.
306 SCOTT AVE. BROOKLYN, N.Y.

1735

TUBING (TOOL STEEL)—continued

**WARD'S EDGAR T. SONS CO.** (Stock for Immediate Delivery), 304 Hudson, New York. *See adv index at end of book*

**WILLIAMS & CO. (INC.)**, 901-937 Pennsylvania av N S, Pittsburgh, Pa. *See adv index at end of book*

## 16124—Tubing (Wind Shield)

**DAHLSTROM METALLIC DOOR CO.** (Welded), 413 Buffalo st, Jamestown, N. Y. *See adv index at end of book*

Empire Tube & Steel Corp., College Point, N. Y.

Fiat Metal Mfg. Co., 223 W Huron, Chicago, Ill.

Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y. *See adv index at end of book*

## 16125— Tubing (Wood)

Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

Hydraulic Press Mfg. Co., Mt. Gilead, O. *See adv index at end of book*

Redlich Mfg. Co., 637 W Oak, Chicago, Ill. *See adv index at end of book*

Rich Pump Co., South & Depot, Cincinnati, O.

Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 16126— Tubing (Zinc)

American Brass Co., Waterbury, Conn. *For branch offices see adv index at end of book*

Hough W. S. Jr. Co. (Seamless), 61 Peck, Providence, R. I.

**MERCHANT & EVANS CO. (Brazed)**, Washington av & 21st, Phila., Pa. *See adv index at end of book*

North American Copper Co., 52 Vanderbilt av, New York

## 16127— Tubing & Nipples (Gas Lamp)

Norwalk Mfg. Co. (Rubber Tubing), E. Norwalk, Conn.

Pennsylvania Rubber Co., Jeannette, Pa.

## 16128— Tubs (Bleaching)

Dillon D. M. Steam Boiler Works (For Paper Mills), Fitchburg, Mass.

Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*

Hunt, Rodney, Machine Co., Orange, Mass.

New England Tank & Tower Co., 42 Main, Everett, Mass. *See adv index at end of book*

Union Machine Co., Fitchburg, Mass.

## 16129— Tubs (Butter)

Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.

Denio C. E. (Boxes), Hyde Park, Vt.

Elgin Butter Tub Co., Elgin, Ill.

Hohnsbehn Creamery Supply Co., Waverly, Ia.

Houston J. E., Stowe, Vt.

Lentz's C. F. Sons, Marysville, O.

Little J. H. Arlington, Ia.

Mason D. E., Fulton, N. Y.

Nelson & Hall Co., Montgomery Center, Vt.

Orcutt B. L. & Sons, Dickinson Center, N. Y.

Parfrey Chas. A., Richard Center, Wis.

Spurbeck-Lambert Co., Algona, Ia.

Twin City Separator Co., 29th & Colfax av, South Minneapolis, Minn.

## 16130—Tubs (Flower & Plant)

Cordley & Hayes, 7 Leonard, New York

## 16131—Tubs (Galvanized Iron)

See also Pails, Galvanized Iron

Boyle Mfg. Co., 5100 Santa Fe av, Los Angeles, Cal.

Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.

Furman-Fisher Corp., 32 Church, New York *See adv index at end of book*

Republic Metalware Co. The, Buffalo, N. Y.

Rochester Can Co. ("Iron Horse" Foot), Rochester, N. Y. *See adv index at end of book*

Rochester Stamping Co., Rochester, N. Y.

Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.

## 16132— Tubs (Hoisting & Dumping)

See also Buckets, Various Kinds

Allis-Chalmers Mfg. Co., Milwaukee, Wis.

American Hoist & Derrick Co., St. Paul, Minn.

Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*

Biehl Iron Works, Inc., Reading, Pa.

Brown Hoisting Machinery Co., 4403 St. Clair N E, Cleveland, O.

Coatesville Boiler Works, Coatesville, Pa.

Focht George Sons, 117-119 Adams, Hoboken, N. J.

Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*

Insley Mfg. Co. (Automatic Concrete), 3500 E St. Clair, Indianapolis, Ind.

Littleford Bros., 444 E Pearl, Cincinnati, O.

National Iron Co., Duluth, Minn.

Phillips, Doup & Co. ("National"), 60 Pearl, Brooklyn, N. Y.

**STEUBNER G. L. IRON WORKS**, Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book*

Turl Iron & Car Co. (Inc.), The, 50 Broad, New York. Works: Newburgh, N. Y.

Twin City Separator Co., 29th & Colfax av, So. Minneapolis, Minn.

Union Iron Works, Hoboken, N. J.

Williams G. H. Co., Erie, Pa.

## 16133— Tubs (Lard)

Bousfield Wooden Ware Co., Minneapolis, Minn.

California Barrel Co., 433 California, San Francisco, Cal.

Carolina Woodenware Co, Fayetteville, N. C.

Florida Woodenware Co., Palatka, Fla.

Menasha Wooden Ware Co., Menasha, Wis.

Pierpont Mfg. Co., Savannah, Ga.

## 16133a— Tubs (Laundry)

Alberne Stone Co., 223 23rd, New York

Standard Granitine Works, 1752-1756 N Spaulding av, Chicago, Ill.

Wesely Chas. Co., 3126 S Canal, Chicago, Ill.

## 16134— Tubs (Mash)

Kast Copper & Sheet Iron Co., 91 Main, Buffalo, N. Y.

Leslie Elliott & Co., Paterson, N. J.

Littleford Bros., 444 E Pearl, Cincinnati, O.

Meyer Otto C. & Co., 30 Franklin, Brooklyn, N. Y.

Novelty Steam Boiler Works (Triplet & Jennings), 917 S Howard, Baltimore, Md.

Smith Samuel & Son Co., Paterson, N. J.

## 16135—Tubs (Mortar, Steel)

**JACKSON MFG. CO., Harrisburg, Pa.** *See adv index at end of book*

Lansing Co., Lansing, Mich.

Littleford Bros., 444 E Pearl, Cincinnati, O.

## 16136-7— Tubs (Plant)

Baltimore Cooperage Co. Ostend & Leadenhall, Baltimore, Md.

## 16138—Tubs (Self-Dumping)

See also Tubs, Hoisting & Dumping

Focht Geo. Sons, 117-119 Adams, Hoboken, N. J.

McMyler-Interstate Co., Bedford, O.

Stuebner G. L. Iron Works, Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book*

## 16139— Tubs (Wash)

Alberene Stone Co. (Soapstone), 223 E 23rd, New York

Atlas Wash Tray Co. (Cement), New Haven, Conn.

Atlas Wash Tray Co. (Cement), New Haven, Conn.

Central Stamping Co., 172 Fulton, New York

McLaughlin Co., Inc., Brockport, N. Y.

Monument Pottery Co. (Porcelain), Trenton, N. J.

National Enameling & Stamping Co. (Galvanized Steel), 411 5th av, New York

**ROCHESTER CAN CO.** ("Iron Horse" Galvanized Iron), Rochester, N. Y. *See adv index at end of book*

Whitaker-Glessner Co. (Wheeling Corrugating Dept., Galvanized Iron), Wheeling, W. Va.

## 16140—Tubs (Wire Cleaning)

Morgan Construction Co., Worcester, Mass.

Vaughn Machinery Co., Cuyahoga Falls, O. *See adv index at end of book*

## 16141— Tubs (Wood)

See also Tubs, Butter

Cullen & Vaughn Co., 450 Dayton, Hamilton, O.

Menasha Wooden Ware Co. (Shipping, etc), Menasha, Wis.

Richmond Cedar Works ("Anchor Brand" White Cedar Wash, Tree, Butter, Ice Cream, Packing, etc), Richmond, Va.

## 16142— Tufts (Mattress)

Hubley Gordon A. (Leather), Worcester, Mass. *See adv index at end of book*

## 16143— Tumblers (Glass)

Athens Glass Co., Morgantown, W. Va.

Beaver Valley Glass Co., Rochester, Pa.

Belgrade Glass Co., Buckhannon, W. Va.

Bryce Bros. Co., Mt. Pleasant, Pa.

Cambridge Glass Co., Cambridge, O.

Canton Glass Co., Marion, Ind.

Capstan Glass Co., Connellsville, Pa.

Central Glass Works, Wheeling, W. Va.

Consolidated Lamp & Glass Co., Coraopolis, Pa.

Co-operative Flint Glass Co., Beaver Falls, Pa.

Crescent Glass Co., Wellsburg, W. Va

Dorflinger C. & Sons, White Mills, Pa., & 36 Murray, New York

Duncan & Miller Glass Co., Washington, Pa.

Economy Tumbler Co., Morgantown, W. Va.

Federal Glass Co., Columbus, O.

Fostoria Glass Co., Moundsville, W. Va.

Fry H. C. Glass Co., Rochester, Pa.

Hawkes T. G. & Co., Corning, N. Y.

Hazel Atlas Glass Co. (Pressed), Wheeling, W. Va.

Helsey A. H. & Co., Newark, O.

Huntington Tumbler Co., Huntington, W. Va.

Indiana Glass Co., Dunkirk, Ind.

Jenkins D. C. Glass Co., Kokomo, Ind.

Lancaster Glass Co., Lancaster, O.

McKee Glass Co., Jeannette, Pa.

Macbeth-Evans Glass Co., Pittsburgh, Pa.

Monongah Glass Co., Fairmont, W. Va.

Mound City Glass Co. (Blown), Lumberport, W. Va.

Ripley & Co., 123 7th, Pittsburgh, Pa.

Rochester Tumbler Co., Rochester, Pa.

Seneca Glass Co., Morgantown, W. Va.

U. S. Glass Co., S 9th & Bingham, Pittsburgh, Pa.

Wellington Glass Co., Cumberland, Md.

## 16144—Tumblers (Hard Rubber)

American Hard Rubber Co., 9 Mercer, New York

Tyer Rubber Co., Andover, Mass.

## 16144a— *Tumeric

Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*

## 16145—Tungstate of Ammonia

Mineral Product Mfg. Co., Wilmington, Del.

**YORK METAL & ALLOY CO., York Pa.**

## 16145a— Tungstate of Soda

Mineral Product Mfg. Co., Wilmington, Del.

Vanadium Corp. of Am., Equitable bldg, New York

**YORK METAL & ALLOY CO., York Pa.**

## Tungsten

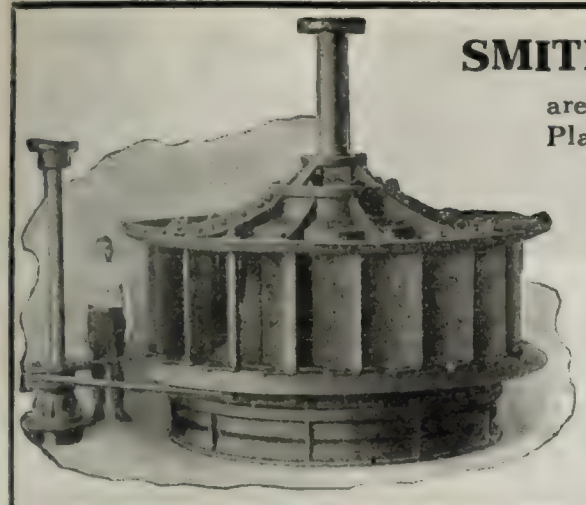
See Ferro-Tungsten

## 16146—Tungsten (Aluminum)

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.

Mineral Product Mfg. Co., Wilmington, Del.

Seligman Arthur (Imp.), 165 B'way, New York



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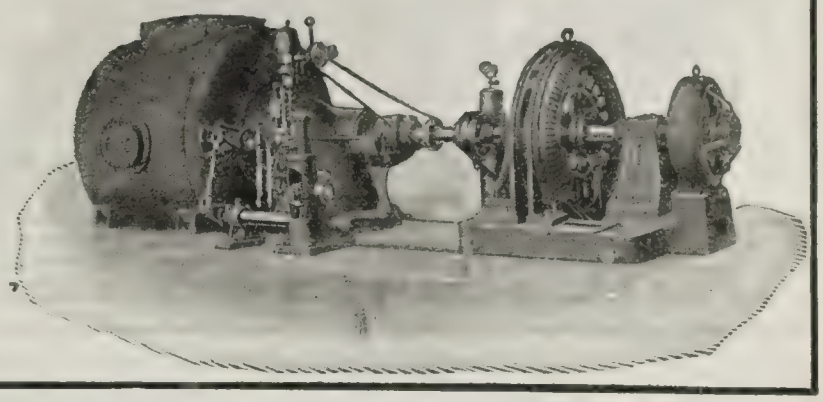


**S. MORGAN SMITH CO., York, Pa., U. S. A.**


### 16146a—Tungsten (Metallic)

**Foote Mineral Co.**, 109 N 19th, Phila., Pa.
**Lavino E. J. & Co.**, Bullitt bldg, Phila., Pa.
**Manhattan Reduction Co.**, 165 B'way, New York
**Pfanstiehl Co.**, No. Chicago, Ill.

### 16147— Tungsten (Nickel)

Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**Mineral Product Mfg. Co.**, Wilmington, Del.

### 16147a—Tunnel Shields (Iron & Steel)

**Harlan & Hollingsworth Corp. (For Tunnel & Subway Const.)**, Ft. West, Wilmington, Del.

### 16148—*Turbine Blading & Calking Materials

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
**WILLIAMS & CO. (INC.)**, (Blading Monel Metal) 901-937 Pennsylvania av N S, Pittsburgh, Pa.
*See adv index at end of book*

### 16149-50—Turbine Water Wheels

See also Water Wheels

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**Barnard & Leas Mfg. Co. ("Moline-McCormick")**, Moline, Ill.
**Bartley Wm. & Sons ("The Watertight")**, Bartley, N. J.
**Blake H. & Son**, East Pepperell, Mass.
Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
*See adv index at end of book*
**Chase Turbine Mfg. Co.**, Orange, Mass.
**Christiana Machine Co.**, Christiana, Pa.
**Davis Foundry & Machine Works**, Rome, Ga.
**Dayton Globe Iron Works Co.**, Dayton, O.
**DeLoach Mill Mfg. Co.**, Bridgeport, Ala.
Dow L. B., 79 Milk, Boston, Mass.
**Ephrata Foundry & Machine Works**, Ephrata, Pa.
**Eyster, Weiser & Co.**, York, Pa.
**Fitz Water Wheel Co.**, Hanover, Pa.
**Gerdes & Co.**, 42 Church, New York.
*See adv index at end of book*
**Hendy Joshua Iron Works, 75 Fremont**, San Francisco, Cal.
**Holyoke Machine Co. ("Hercules")**, Worcester, Mass.
**Humphrey Machine Co. ("I. X. L." & "X-L-C-R")**, Keene, N. H.
**Hunt Rodney Machine Co. ("Hunt-McCormick")**, Orange, Mass.
**Jolly J. & W.**, Holyoke, Mass.
**Lane Mfg. Co. ("Monitor")**, Montpelier, Vt.
**Leffel Jas. & Co. ("Samson")**, East st, Springfield, O.
**Mine & Smelter Supply Co. ("De Remer")**, 42 B'way, New York
**Morris I. P. Co. ("Francis" & "Girard" Type)**, Richmond & Norris, Phila., Pa.
**Munson Mill Machinery Co. ("Little Giant")**, Utica, N. Y.
**Pelton Water Wheel Co.**, 19th & Harrison, San Francisco, Cal., & 90 West, New York
**Platt Iron Wks. Co. ("Victor," "Frances")**, Dayton, O.
**Poole Engng. & Mach. Co.**, Woodberry Sta., Baltimore, Md.
**Salem Foundry & Machine Works ("Ajax")** Salem, Va.
**Sergeant Mfg. Co.**, Greensboro, N. C.
**SMITH S. MORGAN CO.** ("Smith," "McCormick" & "New Success"), York, Pa.
*See adv index at end of book*
**Trump Mfg. Co.**, Springfield, O.
**United Iron Works ("Tutthell")**, San Francisco, Cal.
**WELLMAN - SEAVER - MORGAN CO.**, Cleveland, O. *See adv index at end of book*

### 16151—Turbines (Automatic High & Low Pressure Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

### 16151a—*Turbines (Back Pressure Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

### 16151b—*Turbines (Belted Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

### 16151c—*Turbines ("Bleeder" Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

### 16151d—*Turbines (Extraction, Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

### 16151e—*Turbines (Geared Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

### 16152—Turbines (Hydraulic)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**Holyoke Machine Co.**, Worcester, Mass.
**Morris I. P. Co.**, Richmond & Norris, Phila., Pa.
**Pelton Water Wheel Co.**, 19th & Harrison, San Francisco, Cal.
**SMITH S. MORGAN CO.** ("Smith," "McCormick" & "Success"), York, Pa.
*See adv index at end of book*
**WELLMAN - SEAVER - MORGAN CO.**, Cleveland, O. *See adv index at end of book*

### 16152a—*Turbines (Low Pressure Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

### 16153—*Turbines (Marine)

**WESTINGHOUSE ELECTRIC & MFG. CO.** ("Westinghouse" Type), East Pittsburgh, Pa.
*See adv index at end of book*

### 16153a—*Turbines (Mixed Flow Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

### 16153b—*Turbines (Multistage Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

### 16153c—*Turbines (Pressure Staged Steam)

**DE LAVAL STEAM TURBINE CO.**, East Trenton, N. J.
*See adv index at end of book*

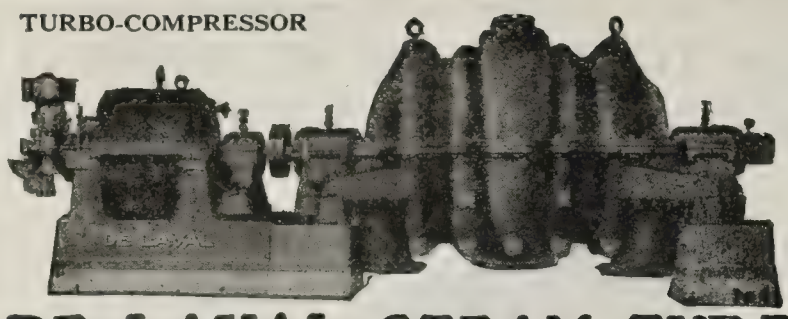
### 16153d—*Turbines (Ship Propulsion)

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*


**Hendricks' Commercial Register**

is not a Catalog of Advertisers alone, but a Complete Register of the manufacturers and jobbers in every line of trade that comes within the scope of the work.

TURBO-COMPRESSOR



TURBO-ALTERNATOR

**DE LAVAL STEAM TURBINES** are built in single-stage, pressure-stage and velocity-stage types for direct connection to electric generators, centrifugal pumps, compressors and for rope or belt drive. For slow and moderate speeds, the DeLaval Helical Speed Reducing Gear is employed, permitting the turbine to run at the best speed for efficiency and simplicity of construction, while the driven machine also operates at the most favorable speed. DeLaval Steam Turbines are suited for operation with high-pressure steam exhausting to condenser or atmosphere or against back pressure, for utilizing low-pressure steam, and for mixed-flow or extraction service **Write for Catalog "D55"**

**DE LAVAL STEAM TURBINE COMPANY** **East Trenton, New Jersey**

## 16153e—*Turbines (Slow Speed Steam)

**DE LAVAL STEAM TURBINE CO.,** East Trenton, N. J.
*See adv index at end of book*

## 16154— Turbines (Steam)

**ALBERGER PUMP & CONDENSER CO.** ("Alberger-Curtis"), 140 Cedar, New York
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
American Well Works (Direct Connected to Pumps, Blowers & Generators, Single Stage & Multi-Stage, Condensing High Pressure, Exhaust, Back Pressure, Bleeder Types), Aurora, Ill.
American & British Mfg. Co. ("Wilkinson"), Charles, Providence, R. I.
Bath Iron Works, Ltd. ("Parson's Marine), Bath, Me.
Connecticut Turbine Mfg. Co. (Auxiliary Type, 25 to 500 H. P.), New London, Conn.
Coppus Engineering & Equipment Co. ("Coppus," 1 to 50 H. P.), Worcester, Mass.
**DE LAVAL STEAM TURBINE CO.,** (Single Stage & Multi-Stage for Direct Connection & Geared Belt & Rope Drives), East Trenton, N. J.
*See adv index at end of book*
Fore River Shipbuilding Corp. ("Curtis," Marine), Quincy, Mass.
**GENERAL ELECTRIC CO.** ("Curtis"), Schenectady, N. Y.
*See adv index at end of book*
Hackenburg Turbine Co., 66 Myrtle av, Flushing, N. Y.
Hallidie Co. (Marine), Spokane, Wash.
*See adv index at end of book*

**HALLIDIE CO.**

SPOKANE, WASH., U. S. A.

*Manufacturers of*

**Parsons Marine Steam Turbines, 1,000 to 12,000 H.P., and Marine Reciprocating Engines, Compound, Triple and Quadruple, 150 to 4,000 H.P.**

**INGERSOLL-RAND CO.,** 11 B'way, New York *See adv index at end of book*
Kerr Turbine Co. ("Economy" Non-Condensing, Belted & Direct Connected), Wellsville, N. Y.
Moore Steam Turbine Corp., Wellsville, N. Y.
Morris I. P. Co., Richmond & Norris, Phila., Pa.
Ohmen Engine Works, 17th & Capp, San Francisco, Cal.
Parsons Marine Steam Turbine Co., 2 Rector, New York
Rateau Battu Smoot Co., 90 West, New York
Ridgeway Dynamo & Engine Co., Ridgeway, Pa.
**Southwark Foundry & Machine Co. ("Southwark-Rateau"), 430 Washington av, Philedalphia, Pa.**
Sturtevant B. F. Co. ("Sturtevant") 15 Damon, Hyde Park, Boston, Mass.
Terry Steam Turbine Co. (Direct Connected to Dynamos, Pump, Blowers, etc), Hartford, Conn.
**Turbine Equipment Co., 50 Church, New York**
**WESTINGHOUSE ELECTRIC & MFG. CO.** ("Westinghouse" Type), East Pittsburgh, Pa. *See adv index at end of book*
**WHITON D. E. MFG. CO.** ("Lee"), New London, Conn.
*See adv index at end of book*

## 16154a—*Turbines (Velocity Staged Steam)

**DE LAVAL STEAM TURBINE CO.,** East Trenton, N. J.
*See adv index at end of book*

## 16155— Tureens (Soup)

International Silver Co., Meriden, Conn.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Manning, Bowman & Co., Meriden, Conn.
Wallace R. & Sons Mfg. Co., Wallingford, Conn.

## 16156— Turmeric

Darragh & Small & Co., Ltd. (Imp), 177 Water, New York.
Fuller & Fuller Co., 540 W Randolph, Chicago, Ill.
Ransom L. E. Co., 271 Pearl, New York

## 16157—Turnbuckles (Blind)

**Reading Hdw. Co. (Also Rim), Reading, Pa.**

## 16158—Turnbuckles (Brass)

Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*
Wilkins, Geo. H. Co., 180 N Market, Chicago, Ill.

## 16158a—Turnbuckles (For Aircraft)

Baker Gun & Forging Co., Batavia, N. Y.
Dillner-Meyer Mfg. Co., W. Hoboken, N. J.
Erie Specialty Co., 510 W 12th, Erie, Pa.
Maryland Pressed Steel Co., Hagerstown, Md.
National Aeroplane Co., 55 Washington blvd, Chicago, Ill.
Standard Screw Co. of Penn., Corry, Pa. 70 Washington, Brooklyn, N. Y.
Stolz Jos. & Son, Inc., 841 E 136th, New York

## 16159—Turnbuckles (Insulated)

Electrose Mfg. Co. (Single & Multi-Part), 70 Washington, Brooklyn, N. Y.
**Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.**
Line Material Co., So. Milwaukee, Wis.

## 16160— Turnbuckles (Piles)

**Vulcan Iron Works, 327 N Irving av, Chicago, Ill.**

## 16161— Turnbuckles (Pipe)

Laughlin Thos. Co., Portland, Mass.
Marine Hardware-Equipment Co. ("Acme" & "Mheco"), So. Portland, Me.
*See adv index at end of book*
Merrill Bros., 3 Arnold, Maspeth (Boro. of Queens), N. Y.
*See adv index at end of book*
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 16162—Turnbuckles (Screen Door)

Marine Hardware Equipment Co., South Portland, Maine
*See adv index at end of book*
National Mfg. Co., Sterling, Ill.

## Turnbuckles (Tubular)

See Nuts, Sleeve

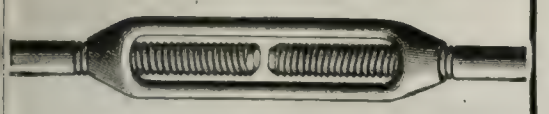
## 16162a—*Turnbuckles (Wire Rope)

American Steel & Wire Co., 208 5 La Salle, Chicago, Ill.
*See adv index at end of book*

## 16163—Turnbuckles (Wrought Iron)

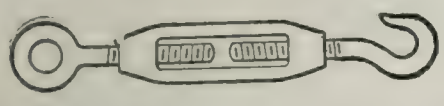
American Bridge Co., 30 Church, New York
**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Auer John Jr. (For Wood or Brick Buildings), 197 Middleton, Brooklyn, N. Y.
Bethlehem Steel Co., So. Bethlehem, Pa.
**BONNEY VISE & TOOL WKS., INC.,** (Drop Forged), Allentown, Pa.
*See adv index at end of book*
Channon Jas. H. Mfg. Co., 227 W. Erie, Chicago, Ill.
Cleveland City Forge & Iron Co., Cleveland, O.
Duval Iron Works, Jacksonville, Fla.
Fischer & Hayes Rope &. Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Harbor Machine Co. ("Non-Rust"), 183 High, Boston, Mass.
Harrison Bolt & Nut Co., Harrison, N. J.
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hubbard & Co. (With Welded Eye Bolts), **63rd & Butler, Pittsburgh, Pa.**
Kansas City-Bolt & Nut Co., Kansas City, Mo.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Larkin J. K. & Co. (For Various Purposes), 34 Reade, New York
*See adv index at end of book*
Laughlin Thos. Co., Portland, Me.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Marine Hardware Equipment Co., South Portland, Me.
*See adv index at end of book*
**MERRILL BROS.** (Drop Forged), 3 Arnold, Maspeth (Borough of Queens), New York. *See adv index at end of book*
Michigan Bolt & Nut Works (Drop Forged), ft. Meldrum, Detroit, Mich.
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*
Newhall Chain, Forge & Iron Co., 89 West New York
**O'Leary Arthur J. & Son Co., 65th & 57th** av. Chicago, Ill.
**PRESTON MOTORS CORP,,** 2702 N 24th, Birmingham, Ala.
*See adv index at end of book*

# TURNBUCKLES



# MERRILL BROS.

3 ARNOLD STREET,
MASPETH,
NEW YORK CITY



VARIOUS SIZES & LENGTHS
PLAIN OR GALVANIZED


**REPUBLIC IRON & STEEL CO.** ("Brazil" Hexagonal), Youngstown, O.
*See Branch Offices Alphabetical Section.*
Rhode Island Tool Co. (Drop Forged Plain & Eye & Hook & Eye), Providence, R. I.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Steel Car Forge Co., Frick bldg, Pittsburgh, Pa.
Strieby & Foote Co. (Drop Forged Steel), 301 Ogden, Newark, N. J.
Upson-Walton Co., 1294 W 11th, Cleveland, Ohio
Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*
Wilkins Geeo. H. Co., 180 N Market, Chicago, Ill.

## 16164—*Turnbuckles (Wrought Iron Truss)

Marine Headware Equipment Co. (Drop Forged), South Portland, Maine.
*See adv index at end of book*
**MERRILL BROS.** (Drop Forged), 3 Arnold, Maspeth (Borough of Queens), New York. *See adv index at end of book*

## 16165— Turn Buttons

Diehl Novelty Co. ("Diehl" Inside for Storm Sash & Screen), Glenbeulah, Wis.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*

## 16166— Turners (Cake)

Arcade Mfg. Co. (Steel Blade, wood handle), Freeport, Ill.
Browne & Dowd Mfg. Co., Meriden, Conn.
Browne W. G. Mfg. Co., Kingston, N. Y.
Buffum Tool Co. ("Swastika" for Griddle Cakes), South Side, Louisiana, Mo.
Cassady Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Catawissa Specialty Mfg. Co. (Turner & Greaser), Catawissa, Pa.
Central Stamping Co., 174 Fulton, New York
Geuder, Paeschke & Frey Co., 1314-1700 St. St. Paul av, Milwaukee, Wis.
Hamblin & Russell Mfg. Co. ("Crown"), Worcester, Mass.
Hills Edwin, Plainville, Conn.
Kohler Die & Specialty Co., De Kalb, Ill.
Lalance & Grosjean Mfg. Co., 299 B'way, New York
Landers, Frary & Clark, New Britain, Conn.
Meriden Cutlery Co., Meriden, Conn.
National Enameling & Stamping Co., 411
Parks & Parks, Troy, N. Y.
Potter Mfg. Co. ("Potter"), Geneva, O.
Republic Metalware Co. (The), Buffalo, N. Y.
Standard Aluminum Co. (Aluminum), Two Rivers, Wis.
White Ira F. & Son Co., Bloomfield, N. J.

## 16167—Turners (Wood, Automatic & Variety)

Bonnett Nicholas & Co., 619 W Adams, Chicago, Ill.
**BOGERT & HOPPER, INC.,** 57 Barclay, New York *See adv index at end of book*
**ESTES E. B. & SONS,** 364 5th av, New York *See adv index at end of book*
Home Light Co. of America ("Holico Inc."), 1955 Park av, New York
Slauf Mfg. Co., 703 S Clinton, Chicago, Ill.

## 16167a— Turnings (Wood)

**BOGERT & HOPPER, INC.** (Artists, Novelty Enameled, Back Knife, Fancy Fireworks, Electrical Pianos, etc.), 57 Barclay, New York
*See adv index at end of book*
Cady Mfg. Co., Auburn, N. Y.
Carrom Co., Ludington, Mich.
Detroit Wood Products Co., 100 Horatin, Detroit, Mich.
**Estes E. B. & Sons (Architectural, Novelty, Electrical, Enameled, Furniture),** 364 5th av, New York
*See adv index at end of book*
Newton & Thompson Mfg. Co., 200 5th av, New York
Redlich Mfg. Co., 637 W Oak, Chicago, Ill.
*See adv index at end of book*
Schultz Bros., 152 Chambers, New York
Slauf Mfg. Co., 703 S Clinton, Chicago, Ill.
Stevenson Mfg. Co. (Electric), South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 16167b— *Turnpins (Plumbers)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 16168— Turns (Cupboard)

Allith-Prouty Co. ("Prouty"), Danville, Ill.
Barrows Lock Co., Lockport, Ill.
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Corbin P. & F., New Britain, Conn.
Dent Hardware Co., Fullerton, Pa.
Frantz Mfg. Co., Sterling, Ill.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hardware Supply Co., Grand Rapids, Mich.
Lawrence Bros. (All Steel), Sterling, Ill.
National Mfg. Co. (Pressed Steel or Brass), Sterling, Ill.
Peck, Stow & Wilcox Co., Southington, Conn.
Penn Hardware Co., Reading, Pa.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., North Chicago, Ill.
Sargent & Co., New Haven, Conn.
Sharon Hardware Mfg. Co. (Pressed Steel), Sharon, Pa.
Shelby Spring Hinge Co., Shelby, O.
Taylor & Boggis Foundry Co., Cleveland, O.
Thayer Mfg. Co., Williamsburg, Mass.

## 16169— Turnstiles

Bright H. V. (Registering), 1104 Prospect, Cleveland, O.
Fiske J. W. Iron Works, 111 Park pl, New York
Lutz-Webster Engineering Co., 3105 Gray's Ferry av, Phila., Pa.
Moore Edgar M. & Co. (Exit), Farmers' Bank bldg, Pittsburgh, Pa.
**PEREY MANUFACTURING COMPANY, INC.** ("Perey"), 30 Church, New York
*See adv index at end of book*


# TURNSTILES

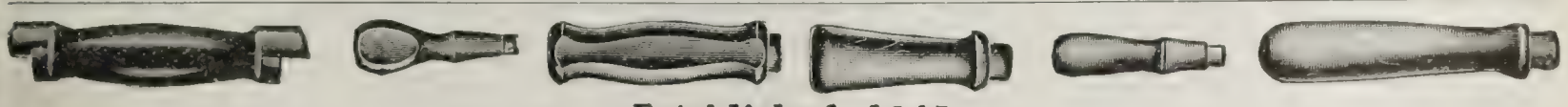
FOR ALL PURPOSES

PEREY MFG. CO., Inc.
30 Church St., New York


Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Snow Wire Works Co. (Registering), Rochester, N. Y.

## 16170—Turntable Equipments

Nichols Geo. P. & Bro. (Electric, Gasoline & Air), 2139 Fulton, Chicago, Ill.
*See adv index at end of book*
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

Established 1847

# E. B. ESTES & SONS

MANUFACTURERS OF

## Automatic Wood Turnings, Plain, Polished or Enameled

Handle Work a Specialty. Tool Handles, Utility Handles, Knobs, Spindles,
Variety Lathe Work, Native and Foreign Woods

364 5th AVENUE NEW YORK CITY

## 16171—Turntable Tractors (Electric & Air)

**DETROIT HOIST & MACHINE CO.,** Detroit, Mich. *See adv index at end of book*

TURNTABLE TRACTORS
Electric & Air
DETROIT HOIST & MACHINE CO
DETROIT, MICH.

**NICHOLS GEO. P. & BRO.,** 2139 Fulton. Chicago, Ill. *See adv index at end of book*

Nichols Turntable Tractors
More Than 100 Railroads Use Them
GEO. P. NICHOLS & BRO.
Chicago, Ill.

**Weir & Craig Mfg. Co.** ("J. L. Pilling" Patents), 6316 Wentworth av, Chicago, Ill.

## 16171a— *Turntables

See also following headings

**Lakewood Engineering Co., Cleveland, O.** *See adv index at end of book*

## 16172—Turntables (Automobile)

American Bridge Co., 30 Church, New York
Atlas Car & Mfg. Co., Cleveland, O. *See adv index at end of book*
Beach L. C. Auto Turntable Co., St. Johns, Mich.; 50 Church, New York
Bicycle Step Ladder Co., 6 W Randolph, Chicago, Ill.
Cambridge Iron Works, Cambridge, Mass.
Canton Foundry & Machine Co. ("Universal"), Canton, O.
Ernst C. K. ("Ernst"), Buffalo, N. Y.
Ernst's Chas. F. Sons, Buffalo, N. Y.
Gibbs-Brower Co. (Sterling-Elliott), 261 B'way, New York
Lansing Co., Lansing, Mich.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Chicago, Ill. *See adv index at end of book*
Pitless Auto Turntable Co. (Pitless), Kansas City, Mo.
Portland Garage Co. ("Portland" Washstand Combined), Portland, Me.
Roanoke Iron Works, Roanoke, Va.
Smith G. W. & F. Iron Co., Gerard, Rox, Boston, Mass.
Smith H. Lund, Paterson, N. J.
Withers Foundry & Machine Works, Atlanta, Ga.
Zering H. Mfg. Co., Oakley, Cincinnati, O. *See adv index at end of book*

## 16173—*Turntables (Automobile Washstand)

**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*

## 16173a— *Turntables (Ball Bearing)

Lakewood Engineering Co., Cleveland, O. *See adv index at end of book*

## 16174—Turntables (Industrial Railway)

See also Turn Tables, Standard Gauge; also Tables, Transfer

American Frog & Switch Co., Hamilton, O. *See adv index at end of book*
Atlas Car & Mfg. Co. (Locomotive, etc), Cleveland, O. *See adv index at end of book*
Canton Foundry & Machine Co. ("Universal"), Canton, O.
Chambers Bros. Co. (For Brick Yards, etc), 52d bel Lancaster av, Phila., Pa.
Chase Foundry & Mfg. Co., The, 2700 Parsons av, Columbus, O. *See adv index at end of book*
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York *See adv index at end of book*
Howe Scale Co. of Illinois, 1315 S Wabash av, Chicago, Ill.
Hunt C. W. Co., West New Brighton, N. Y. *See adv index at end of book*
Lake Shore Engine Works, Marquette, Mich.
Light Railway Equipment Co., Commercial Trust bldg., Phila., Pa.
**LINK-BELT CO.** (Ball Bearing), 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Lobdell Car Wheel Co., Wilmington, Del.
Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
**NAZARETH FOUNDRY & MACHINE CO.,** Nazareth, Pa., & 106 Front, New York
**NORTHERN ENGINEERING WORKS,** 9 Chene, Detroit, Mich. *See adv index at end of book*
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Penn Seaboard Steel Corp., Franklin Bank bldg., Phila., Pa. *See adv index at end of book*
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa. *See adv index at end of book*
Turl Iron & Car Co. (Inc.) The, 50 Broad, New York. Works: Newburgh, N. Y.
United Iron Works Inc., Kansas City, Mo.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.
Youngstown Steel Car Co., Niles, O.

## 16175—*Turntables (Locomotive, Air, Electric & Hand Power)

Lakewood Engng. Co., Cleveland, O. *See adv index at end of book*

## 16176—Turntables (Overhead)

Harrington Edw. Son & Co., 17th & Callowhill, Phila., Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Roeker Crane & Hoist Works, Reading, Pa.
Whiting Foundry Equipment Co., 157th & Halstead, Chicago, Ill.

## 16177—Turntables (Pressed Steel)

Steacey-Schmidt Mfg. Co., York, Pa.

## 16178—Turntables (Show Case)

Pearce Fred'k Co., 20 Rose, New York

## 16179—Turntables (Standard Gauge)

See also Turntables, Industrial Railway; also Tables, Transfer; also Tables, Transfer, Electric

American Bridge Co., 30 Church, New York
Boston Bridge Works (Railroad Turntables, etc), 47 Winter, Boston, Mass.
Clinton Bridge Works, Clinton, Ia.
Fulton Foundry Co. (Turn Tables Only), 1209 Marquette av, Cleveland, O.
King Bridge Co., Cleveland, O.
McClintic-Marshall Company, Oliver bldg., Pittsburgh, Pa.
Missouri Valley Bridge & Iron Co. (A. J. Thullock, Prop.), Leavenworth, Kan.
Penn. Bridge Co., Beaver Falls, Pa.
Philadelphia Turntable Co., New Castle, Del.
Republic Iron & Steel Co., Oliver bldg, Pittsburgh, Pa.
Sellers Wm. & Co. (Locomotive), 1600 Hamilton, Phila., Pa.
Strobel Steel Construction Co., Monadnock Blk, Chicago, Ill.
Virginia Bridge & Iron Co., Roanoke, Va.

## 16180— Turpentine

### ALABAMA.

ANDALUSIA—Ashe-Carson Co.
Sightler, L. H.
MOBILE—Taylor, Lowenstein & Co.

### FLORIDA.

APALACHICOLA—Buck J. F.
Lagoon Co.
BAKERS MILLS—Vickers & Sandlin
BALDWIN—Saucer-Boyd & Co.
BARBERVILLE—Tatum Bro.
**BELLE ISLE—Covington W. H. Co.**
BLACKMAN—Monroe W. H.
BONIFAY—Britt Bros.
BOWLING GREEN—
BRISTOL—Bristol Naval Stores Co.
BULOW—Bulow Turpentine Co.
CHAMPAIGN—Palmer J. J.
DE FUNIAK SPRINGS—Walton Land & Timber Co.
DE LAND—Tomoka Land Co.
DUPONT—Dupont Land Co.
EDGE—McCormick D. G. Co.
ENVILLE—Weeks P. L. & Co.
FARMDALE—M. B. Davis
FENHOLLOWAY—Malloy Bros. & Turner
FREEPORT—McGaskill J. J. Co.
GREEN COVE SPRINGS—National Pulp & Turpentine Co.
Shands T. W. & Co.
Smith Turpentine Co.
GRIFFIN—Kelly J. K. & Co.
GULL POINT—Pensacola Tar & Turpentine Co. (Wood)
HAMPTON SPRINGS—Malloy, Smith & Co.
HAVANA—Boynton, W. J.
HOLDER—Robinson T. W.
HOLLEY—Bell O. C. & Co.
HOSFORD—Graves Bros. Co.
HURDS—Williams & Williams
JACKSONVILLE—Baldwin & Lewis
Consolidated Naval Stores Co.
Herty Turpentine Cup Co.
Peninsular Naval Stores Co.
JASPER—Sandlin J. R.
KISSIMMEE—Drew Miller & Co.
LAKE BUTLER—Townsend J. W.
LAWTEY—Bostwick, Harley & Co.
LEBANON—King R. M. Lumber Co.
LEE—Baldwin & Lewis
LOUGHMAN—Deen Turpentine Co.
McINTYRE—Cochran & Phillips
MILLCREEK—Omstead O. J.
MILTON—Barber Turpentine Co.
MONTICELLO—Bryan N. C.
McClellan James A.
MOSELEY HALL—Jordan, Millinor & Co.
NEW SMYRNA—Glencoe Turpentine Co.
OCALA—Hall R. S. & Co.
PERRY—Holmes Jas. & Son
ROCKBLUFF—Rockbluff Co.
RODMAN—Rodman Turpentine Co.
SUMATRA—Fryer R. D.
Petteway H. H.
WEBSTER—Getzen J. C.
WILDWOOD—McRainey & Bridges
WILLISTON—Hinson C. & Co.
WOODVILLE—Rhodes G. W.

### GEORGIA.

ALBANY—Tyler C. B.
ARLINGTON—Newberry Isaac
BAINBRIDGE—Ansley C. K. C.
BAXLEY—Graham Mrs. S. C. & Son
**BLAKELY—McLendon R. R.**
Sheffield R. H.
**BLITCHTON—Blitch T. N.**
BLUFFTON—Hattaway & Co.
CAMILLA—McRee & McNeil
CLIMAX—Peacock & Co.
CLITO—McDougald Outland & Co.
COLQUITT—Fudge F. E.
Shingler J. S. & Bro.
CYRENE—Hodges C. S.
DAISY—Tippins A. L.
DAMASCUS—Haddock, Taliferro & Co.
DONALDSONVILLE—Shingler T. J. & Bros.
EDEN—Fetzer G. W.
FENDIG—McKinnon L. T. & Co.
GRAHAM—Ursery L. C.
HAHIRA—Malloy D. C. & Co.
HALCYON DALE—Evans L. H.
HAZELHURST—Hall J. F.
HELENA—McMillan & Johnson
HOMERVILLE—Barnhill J. F.
Ferndon J. H.
Peagler H. M.
IRON CITY—Hagan G. W.
LEXSY—Youmans Bros.
McGREGOR—McArthur W. T.
MEIGS—Carter J. N.
MILLTOWN—Brigman, Shingler & Co.
Byrd J. L. & Co.
MINEOLA—Mineola Naval Stores Co.
MONIAC—Knabb L.
MOULTRIE—Moore & Horkan
NIELLY (P. O. at Lumber City)—Smith, T. J.
NORMAN PARK—Norman Bros.
Norman M. D. & J. T.
Norman R. L.

ODUM—O'Quinn W. J. & Sons
PELHAM—Moore, Prince & Co.
QUITMAN—De Soto Co.
SAVANNAH—Antwerp Naval Stores Co.
Chatham Mfg. Co, (Wood)
Columbia Naval Stores Co., Savannah, Ga.
London-Savannah Naval Stores Co.
STATESBORO—McDougald J. A.
STOCKTON—Fry E. Y.
SURRENCY—Ross J. A.
SYLVANIA—Mallory W. A. & Bro.
Pfeiffer C. B. (Est. of)
VIDALIA—Peacock, Kelly & Co.
WHITE OAK—McKinnon & McCarthy

ILLINOIS.

CHICAGO—Adams Fred C. (Mfrs', Agt, Gum Turpentine & Wood Turpentine), 118 N La Salle
Central Commercial Co. (Jobbers), 111 N Market
Harshaw, Fuller & Goodwin Co., 186 N La Salle

IOWA.

DES MOINES—Ankeney Linseed Mfg. Co., (Jobbers)

LOUISIANA.

COVINGTON—Jones & Pickett
Picayune Turpentine Co.
ELIZABETH—Producers' Turpentine Co.
NEW ORLEANS—Forest Products Co., 1212 Whitney
Naval Stores Equipment (Jobbers), Canal Bank bldg

MAINE.

PORTLAND—Brown Corp. ("La Tuque")

MICHIGAN.

CADILLAC—Cadillac Turpentine Co.

MINNESOTA.

ST. PAUL—American Linseed Co., 794 Hampden av

MISSOURI.

ST. LOUIS—Pierce Oil Corp., Bank of Com. bldg

NEW YORK.

NEW YORK—Barclay Naval Stores Co. (Wood & Gum Spirits), 44 Whitehall
Casey John A. Co. (Jobbers), 144 Maiden la
Fuller Ralph L. & Co., Inc., 81 Fulton
GENERAL NAVAL STORES CO., INC. ("Newport"), 90 West
Georgia Pine Turpentine Co. (of New York) ("Turpyne" Wood), 160 Perry
Harshaw, Fuller & Goodwin Co., 100 William
Larendon M. W. & Co. (Jobbers), 82 Wall
National Aniline & Chemical Co., Inc. (Imp. Russian & Venico), 21 Burling Slip
Rosin & Turpentine Export Co. (Dlrs.), 26 Cortlandt
Sealy Thomas (Jobbers "Pine Tree," "Standard," "Paragon," Spirits, 138 Front
Turton C. B. Co. (Jobbers), 16 Exchange pl

NORTH CAROLINA.

CANTON—Champion Fibre Co.
MANLEY—Buchan P. F.
WILMINGTON — North Carolina Naval Stores Co.
Grimes J. A.

OHIO.

CINCINNATI—Winkler Isaac & Bro. Co. (Jobbers), 1st Nat'l Bank bldg
CLEVELAND—Harshaw, Fuller & Goodwin Co., Elec. bldg.
HAMILTON—Champion Fibre Co.

PENNSYLVANIA.

GLENSHAW — Brazilian Turpentine Co. (Ltd.)
PHILADELPHIA—Boley C. H. Co. 8722 N. Randolph
Harshaw, Fuller & Goodwin Co., Jackson & Swanson
PITTSBURGH—Ball Chemical Co. ("B. C. Spirits") Fulton bldg

TEXAS.

DOUCETTE—Long Bell Naval Stores Co.

WISCONSIN.

MILWAUKEE—Newport Turpentine & Rosin Co.

## 16181—Turpentine (Mineral)

Waverly Oil Works Co. ("Tur-Min-Tine"), Pittsburgh, Pa.
*See adv index at end of book*

## 16182—Turpentine Substitute

Alcatraz Co., Inc. (Turpentine), 8200 Williamsburg av, Richmond, Va.
Atlantic Turpentine & Pine Tar Co., Savannah, Ga.
Baker Wm. T. ("Pinatine"), 224 Suydam av, Jersey City, N. J.
Boley C. H. Co. ("Quaker" Gum Spirits), 8722 N Randolph, Philadelphia, Pa.
Burbank & Ryder (Varnish Crown Spirits), Boston, Mass.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Climax-Western Oil Co. ("Turpolene" Spirits), 2824 10th av S, Minneapolis, Minn.
Garnet Co., The ("Turpsoid"), Allentown, Pa.
Patton Paint Co. ("Leptyne"), Milwaukee, Wis.
Peerless Thinner Co., Mt. Washington, Md.
Sero Specialty Co., 2860 E 84th, Cleveland, O.
Sun Co., Finance bldg, Philadelphia, Pa.
Terabentine Co. ("Diamond T. Turpalin"), Commercial Trust bldg, Philadelphia, Pa.
TEXAS COMPANY, 17 Battery pl, New York *See adv index at end of book*
Turpsene Mfg. Co. ("Turpsene"), 1901 Callowhill, Phila., Pa.
Verona Chemical Co. (Oil oxidized), Verona av, Newark, N. J.
WAVERLY OIL WORKS CO. ("Tur-Min-Tine"), Pittsburgh, Pa.
*See adv index at end of book*

## 16183—Turret Attachments

Bradford Machine Tool Co., Cincinnati, O.
Goodell-Pratt Co., Greenfield, Mass.
Hendey Machine Co. ("Hendey" for Engine Lathes), Torrington, Conn.

## 16184-5—Turrets (Tool-Post)

Carson & Hertwig (Cross-Slide), 25 Hackett, Newark, N. J.
Newman Mfg. Co., 717 Sycamore, Cincinnati, O. *See adv index at end of book*
Porter Cable Machine Co., Syracuse, N. Y.

## 16186— Tuyeres & Coolers

Bronze Age Metal Co., 5323 Butler, Pittsburgh, Pa.
Dixie Brass & Foundry Co. (Bronze), Birmingham, Ala.
Getz M. & Co. 162 First, San Francisco, Cal.
Glib V. & Son (Copper), Birmingham, Ala.
Hartman Co., 1231 N Front, Phila., Pa.
KEYSTONE BRONZE CO., Pittsburgh, Pa.
*See adv index at end of book*
Lawrenceville Bronze Co., 39th & A. V. RR, (Also Notches), Bessemer bldg, Pittsburgh, Pa.
Mackenzie's Duncan Sons Co., Trenton, N. J.
MORE-JONES BRASS & METAL CO. (Copper), B'way & Dock, St. Louis, Mo. *See adv index at end of book*
Smeeth-Harwood Co., 2401 W 22nd, Chicago, Ill.

## 16187— Tweezers

Adell Mfg. Co. ("Tolman"), Orange, Mass.
Arlington Works, The (E. I. du Pont de Nemours & Co.), Wilmington, Del.
Boettiger Louis A. Co. (Hair), 48 Leonard, New York
Bullock Mfg. Associates ("Bullock," Jewelers', Opticians', Dental Surgeons', Printers'), Springfield, Mass.
Celluloid Co., 36 Washington pl., New York
Clark A. N. & Son, Plainville, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Ross Jos. & Co., Irvington, N. J.
Schnefel Bros., 684 S 17th, Newark, N. J.

## 16188-9—Tweezers (Piano Makers')

Kraeuter & Co., 583 18th av, Newark, N. J.

## 16190—*Twin Bolts (For Hollow Walls, Metal, Etc.)

DIAMOND EXPANSION BOLT CO. ("Diamond"), 89 West, New York
*See adv index at end of book*

## 16191— Twine (Binder)

See also Binder, Twine

(We do not list State Penitentiaries)

American Mfg Co. (Sisal & Manila & Jute) Noble & West, Brooklyn, N. Y.
Chelsea Fibre Mills, 212 5th av, New York
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Emerson Brantingham Co. ("E. B. Osborne"), Rockford, Ill.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Groendyke J. C. (Manila & Sisal), 8 S Dearborn, Chicago, Ill.
Hooven & Allison Co. ("Star-A. H."), Xenia, O.
Indianapolis Cordage Co. (Manila & Sisal), Indianapolis, Ind.
International Harvester Co. of America (Inc.), ("Deering," "McCormick," "International," Six Grades — Standard, Sisal, Extra Manila, Manila Superior, Manila, Pure Manila), 702 Harvester bldg, Chicago, Ill.
Jackson Thos & Son Co. (Manila & Sisal), Reading, Pa.
Kelly R. A. Co., Xenia, O.
Kentucky River Mills (Hemp), Frankfort, Ky.
MacGowen & Finigan, Pierce bldg, St. Louis, Mo.
New Bedford Cordage Co. (Jute), New Bedford, Mass.
Peoria Cordage Co. (Sisal & Manila), Peoria, Ill.
Portland Cordage Co. (Flat) 14th & Northrup, Portland, Ore.
Unity Cotton Mills (Cotton), La Grange, Ga.
Whitlock Cordage Co., 46 South, New York

## 16192— Twine (Box & Shook)

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.

## 16193— Twine (Broom)

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

## 16194— Twine (Cotton)

Ackerly Paul, Vernon, Conn.
American Bag Co. (also Twine & Burlap), 3d & Harrison, Oakland, Cal.
Atkins & Pearce Mfg. Co., 5th & Eggleston av, Cincinnati, O.
Barrows Mfg. Co., Lansdale, Pa.
Beaumont Mfg. Co., Spartanburg, S. C.
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Bibb Mfg. Co., Macon, Ga.
California Cotton Mills Co. ("B. C." & "B. B.," also Jute), Oakland, Cal.
Cayuga Linen & Cotton Mills, Auburn, N. Y.
Central Mills Co., Southbridge, Mass.
Cleveland Mill & Power Co., Lawndale, N. C.
Demopolis Cotton Mills, Montgomery, Ala.
Dexter Yarn Co., Pawtucket, R. I.
Double Shoal Cotton Mill (Wrapping & Sewing), Double Shoal, N. C.
Eagle Cotton Mills Co., Madison, Ind.
Ederer R. J. Co., 341 W Ohio, Chicago, Ill.
Ensign Cotton Mills, Forsyth, Ga.
Enterprise Cotton Mills (In Balls), Enterprise, Ala.
Estes Mills ("D," "W," "B," "A,") Fall River, Mass.

TWINE (COTTON)—continued

**Eureka Cotton Mills, Englewood, Tenn.**
**Franklin Cotton Mill Co., Plum & Charles, Cincinnati, O.**
**Fricke J. E. Co., 247 Market, Phila., Pa.**
Fulton Bag & Cotton Mills ("Eagle Sail"), Atlanta, Ga.
Glencoe Cotton Mills, Columbia, S. C.
**Grahamton Mfg. Co., Grahamton, Ky.**
Gray S. & Co. (Colored), Walpole, Mass.
Greene & Daniels Co. (Druggists), Pawtucket, R. I.
Gulf Bag Co. ("Bemis" Sail), 330 Notre Dame, New Orleans, La.
Hall Lincoln & Co., 154 Milk, Boston, Mass.
**Hodson J. M., Boone & Markle, Philadelphia, Pa.**
Holden James, Fall River, Mass.
**Hooper Sons Mfg. Co., Juniper & Cherry, Phila., Pa.**
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
**Humboldt Cotton Mills, Humboldt, Tenn.**
**January & Wood Co., Maysville, Ky.**
**Jonesboro Yarn Mills Co., Jonesboro, Tenn.**
Knox W. & J. Net & Twine Co., Johnson & Barney, Baltimore, Md.
**Lawrence Duck Co., Lawrence, Mass.**
Lees Mfg. Co., Westport, Conn.
**Linen Thread Co., 96 Franklin, New York**
**Louisville Cotton Mills Co., Louisville, Ky.**
**Mallison Braided Cord Co., Athens, Ga.**
**Manchester Mfg. Co., Macon, Ga.**
**Missouri Cotton Yarn Mfg. Co. (Wrapping & Sewing), 300 Lynch, St. Louis, Mo.**
**Montgomery Cordage Co., Montgomery, Ala**
Moore C. & Co., 5th & Market, Philadelphia, Pa.
Mt. Vernon-Woodberry Mills, Inc., Continental bldg, Baltimore, Md.
Oakdale Cotton Mills, Jamestown, N. C.
**Orange Cotton Mills (Wrapping), Orangeburg, S. C.**
Oxford Cotton Mills, Oxford, N. C.
**Pelham Mills (In Balls), Pelham, S. C.**
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
**Pioneer Cotton Mills, Guthrie, Okla.**
**Rock River Cotton Co., Jonesville, Wis.**
Royal River Mfg. & Power Co., Yarmouth, Me.
Southern Mills Corp., Oxford, Ala.
**Tallassee Falls Mfg. Co., Tallassee, Ala.**
Tennessee Line & Twine Co. (Fancy Colored, on ½ to 60 lb. Tubes), **Elizabethton, Tenn.**
Thompson Jas. & Co., 112 Prince, New York
Townsend H. C. Cotton Mills (In Balls, also on Cones & Tubes), **Anderson, S. C.**
Travers Twine & Cordage Co., 81 Warren, New York
Trio Mfg. Co., Forsyth, Ga.
Twine Mills Corp. (White & Colored), Roanoke, Va.
**UNION PAPER & TWINE CO., 125 St.** Clair av N W, Cleveland, O., & 538 Brisbane bld, Buffalo, N. Y.
*See adv index at end of book*
Union Twine Co., Canonchet, R. I.
Unity Cotton Mills, La Grange, Ga.
West Huntsville Cotton Mills Co., Huntsville, Ala.
**Yocona Mills, Water Valley, Miss.**
**Young J. B., J. & Levick, Phila., Pa.**

## 16195— Twine (Flax)

American Mfg. Co., West & Noble, Brooklyn, N. Y.
**Barbour Flax Spinning Co., Paterson, N. J.**
**Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.**
**Cable Flax Mills, Schaghticoke, N. Y.**
California Cotton Mills Co. ("B.C." & "B. B."), Oakland, Cal.
Cating Rope Works, **Maspeth, N. Y.**
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Linen Thread Co., **96 Franklin, New York**
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Smith & Dove Mfg. Co., Andover, Mass.
Thompson Jas. & Co., 112 Prince, New York
Travers Twine & Cordage Co., 81 Warren, New York
**UNION PAPER & TWINE CO., 125 St.** Clair av N W, Cleveland, O., & 538 Brisbane bld, Buffalo, N. Y.
*See adv index at end of book*

## 16196— Twine (Ham)

Columbian Rope Co., 3050 Genesee Auburn, N. Y.

## 16197— Twine (Harness)

**Allen J. & S. (Linen), Walpole, Mass.**
**American Thread Co. (Cotton), 260 W B'way, New York**
**Ballou Thread Co., 189 Charles, Providence, R. I.**
**Barrows Mfg. Co. (Cotton & Linen), Lansdale, Pa.**
**Cranston Worsted Mills, Bristol, R. I.**
**Fawcett Hughes, 115 Franklin, New York**
**Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.**
**Kreitler Chas. (Linen), Newark, N. J.**
**McComeskey T., 3731 Frankford, Phila., Pa.**
Moore C. & Co. ("Jacquard"), 5th & Market, Philadelphia, Pa.
**Smith & Dove Mfg. Co., Andover, Mass.**
Winne F. W. & Son, 237 Market, Philadelphia, Pa.

## 16198— Twine (Hemp)

American Bag Co., 3d & Harrison, Oakland, Cal.
**American Mfg. Co. (Indian, Italian & American), West & Noble, Brooklyn, N. Y.**
Bailey J. T. & Co., 19th & Washington, Phila., Pa.
**Barbour Flax Spinning Co., Paterson, N. J.**
**Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.**
**Cable Flax Mills, Schaghticoke, N. Y.**
California Cotton Mills Co. ("BC" & "BB"), Oakland, Cal.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
**Fulton Bag & Cotton Mills, Atlanta, Ga.**
**Hanover Cordage Co., Hanover, Pa.**
**Hooven & Allison Co., Xenia, O.**
**Kentucky River Mills, Frankfort, Ky.**
Linen Thread Co., 96 Franklin, New York
New York Cordage Co., 113 Spring, New York
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Thompson Jas. & Co., 112 Prince, New York
**UNION PAPER & TWINE CO., 125 St.** Clair av N W, Cleveland, O., & 538 Brisbane bld, Buffalo, N. Y.
*See adv index at end of book*

## 16199— Twine (Jute)

Allentown Spinning Co., **Allentown, Pa.**
American Bag Co., 3d & Harrison, Oakland, Cal.
American Mfg. Co., Noble & West, B'rklyn, N. Y.
Bailey J. T. Co., 19th & Washington, Phila., Pa.
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Cable Flax Mills, Schaghticoke, N. Y.
Chelsea Fibre Mills, 212 5th av, New York
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Crichton Alex F., Wilmington, Del.
**Dolphin Jute Mills, Paterson, N. J.**
Fulton Bag & Cotton Mills, Atlanta, Ga.
Hanover Cordage Co., Hanover, Pa.
**Hodson J. M., Boone & Markle, Philadelphia, Pa.**
Hooven & Allison Co., **Xenia, O.**
Jackson Thos. & Son Co., Reading, Pa.
**Linen Thread Co., 96 Franklin, New York**
**Ludlow Mfg. Associates, 111 Devonshire, Boston, Mass.**
Peter & Guckenberger, 1205 Budd, Cincinnati, O.
**Radcliffe & Shaw Co., Glen Rock, Pa.**
Rauschenberger John Co., 87 W Water, Milwaukee, Wis.
Schlichter Jute Cordage Co., 20 N Front, Phila., Pa.
Sutherland & Edwards Co., Paterson, N. J.
Travers Twine & Cordage Co., 81 Warren, New York
**UNION PAPER & TWINE CO., 125 St.** Clair av N W, Cleveland, O., & 538 Brisbane bld, Buffalo, N. Y.
*See adv index at end of book*

## 16200— Twine (Linen)

Barbour Flax Spinning Co., Paterson, N. J.
Barrows Mfg. Co., Lansdale, Pa.
Boston Thread & Twine Co., 575 Atlantic av, Boston, Mass.
Cable Flax Mills, Schaghticoke, N. Y.
Cayuga Linen & Cotton Mils, Auburn, N. Y.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Moore C. & Co., 5th & Market, Philadelphia, Pa.
Thompson Jas. & Co., 112 Prince, New York

## 16201— Twine (Mattress)

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

## 16202— Twine (Paper)

**Hayner Geo. M., 541 W 56th, New York**
Wortendyke Mfg. Co., ft. 13th, Richmond, Va. *See adv index at end of book*

## 16203— Twine (Paperhangers')

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

## 16204— Twine (Sail)

American Mfg. Co., Noble & West, B'rklyn, N. Y.
Bemis Bro. Bag Co., 601 S 4th, St. Louis, Mo.
Bibb Mfg. Co., Macon, Ga.
Brownell Co., Moodus, Conn.
California Cotton Mills Co. ("BC" & "BB" Cotton), Oakland, Cal.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Dexter Yarn Co., Pawtucket, R. I.
**Gulf Bag Co. (Imp.), 330 Notre Dame, New Orleans, La.**
Hall, Lincoln & Co. (Cotton), 154 Milk, Boston, Mass.
Hanover Cordage Co., Hanover, Pa.
**Mallison Braided Cord Co., Athens, Ga.**
Mt. Vernon-Woodberry Mills, Inc., Cont. bldg, Baltimore, Md.
**Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.**
**Trio Mfg. Co. (Cotton), Forsyth, Ga.**
**Whittier Mills Co., Chattahoochee, Ga.**

## 16205— Twine (Seine)

American Net & Twine Co., 575 Atlantic av, Boston, Mass.
American Thread Co. (Cotton), 260 W B'way, New York
Ashaway Line & Twine Mfg. Co. (Cotton), Ashaway, R. I.
Bibb Mfg. Co., Macon, Ga.
Brownell Co. (Hard, Medium & Soft Cotton), Moodus, Conn.
California Cotton Mills Co. ("BC" & "BB" Cotton), Oakland, Cal.
Cleveland Mill & Power Co. (Cotton), Lawndale, N. C.
Dexter Yarn Co., Pawtucket, R. I.
Electric Hose & Rubber Co. (For Mfrs. of Braided Hose), 12th & Dure, Wilmington, Del.
Gloucester Net & Twine Co. (Cotton), Gloucester, Mass.
Greene & Daniels Co., Pawtucket, R. I.
Jonesboro Yarn Mills Co. (Cotton), Jonesboro, Tenn.
Knox W. & J. Net & Twine Co. (Cotton), Johnson & Barney, Baltimore, Md.
Lees Mfg. Co., Westport, Conn.
Linen Thread Co. (Cotton), 96 Franklin, New York
Mt. Vernon-Woodberry Mills, Inc., Cont. bldg, Baltimore, Md.
Neptune Twine & Cord Mills, Moodus, Conn.
N. Y. Net & Twine Co. (Cotton), Moodus, Conn.
Oxford Cotton Mills (Cotton), Oxford, N. C.
Pioneer Cotton Mills (Cotton), Guthrie, Okla.
Purple A. E. (Cotton), Moodus, Conn.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Tennessee Line & Twine Co., Elizabethton, Tenn.
Trio Mfg. Co. (Cotton), Forsyth, Ga.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
Unity Cotton Mills, La Grange, Ga.

## 16206—Twine (Tarred Hemp)

American Mfg. Co., Noble & West, B'rklyn, N. Y.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

## 16207— Twine (Wool)

Columbian Rope Co., 3050 Genesee, Auburn, N. Y.

## 16208-9—Twine (Wrapping)

American Bag Co., 3d & Harrison, Oakland, Cal.
American Mfg. Co., Noble & West, B'rklyn, N. Y.
Bibb Mfg. Co., Macon, Ga.
California Cotton Mills Co. ("BC" & "BB" Cotton), Oakland, Cal.
Columbian Rope Co., 3050 Genessee, Auburn, N. Y.
Double Shoal Cotton Mill (Cotton), Double Shoals, N. C.
Enterprise Cotton Mills (Cotton), Enterprise, Ala.
Hanover Cordage Co., Hanover, Pa.
Kentucky River Mills (Hemp), Frankfort, Ky.
Lees Mfg. Co., Westport, Conn.
Linn Mills Co. (Cotton), Landis, N. C.
Mallison Braided Cord Co., Athens, Ga.
Manchester Mfg. Co. (Cotton), Macon, Ga.
Missouri Cotton Yarn Mfg. Co. (Cotton), 300 Lynch, St. Louis, Mo.
Montgomery Cordage Co. (Cotton), Montgomery, Ala.
Mount Pleasant Banding Co. (Cotton), New Bedford, Mass.
Orange Cotton Mills (Cotton), Orangeburg, S. C.
Schlichter Jute Cordage Co. (Jute), 20 N Front, Phila., Pa.
Townsend H. C. Cotton Mills (Cotton & Balls), Anderson, S. C.
Trio Mfg. Co. (Cotton), Forsyth, Ga.
**UNION PAPER & TWINE CO., 125 St.** Clair av N W, Cleveland, O., **& 533** Brisbane bld, Buffalo, N. Y.
*See adv index at end of book*
Wortendyke Mfg. Co., ft. 13th, Richmond, Va. *See adv index at end of book*
**Yocona Mills, Water Valley, Miss.**

## 16210—Type Founders (Lead)

American Type Founders Co., Communipaw av, Jersey City, N. J.
Atlantic Type Foundry Co., 190 Congress, Phila., Pa.
Barnhart Bros. & Spindler (Metal), 32 Throop, Chicago, Ill.
Damon Geo. & Sons, 44 Beekman, New York
Hansen H. C. Type Foundry, 190 Congress, Boston, Mass.
Keystone Type Fdry, 300 Chestnut, Phila., Pa.
Western Type Foundry, 343 S. Dearborn, Chicago, Ill.

## 16211— Type (Rubber)

Consolidated Stamp Mfg. Co. (Solid), 87 Maiden la, New York
Dorman J. F. W Co. ("Perfection"), 526 N Calvert, Baltimore, Md.
Fulton Specialty Co., Elizabeth, N. J.
Gibson A. C. Co., Buffalo, N. Y.
Smith R. H. Mfg. Co. (Metal Body), Springfield, Mass.
Superior Type Co., 3940 Ravenswood av, Chicago, Ill.
**SWISHER R. D. MFG. CO.** (Solid, etc., also Type for All Can Stamping Machines), 415 S Clinton, Chicago, Ill.
*See adv index at end of book*

## 16212— Type (Steel)

Burns Typewriter Co., Buffalo, N. Y.
Hulse Mfg. Co., 165 William, New York
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill.
Milwaukee Steel Type & Die Co., Milwaukee, Wis.
New York Stencil Works, 100 Nassau, New York
Schoder & Lombard Stamp & Die Co., 202 Centre, New York

## 16213— Type (Wood)

American Wood Type Co., 302 McDougal, Brooklyn, N. Y.
Eastern Brass & Wood Type Co., 71 4th av, New York
Empire Wood Type Co., 31 Ferry, New York
Hamilton Mfg. Co., Two Rivers, Wis.

## Typewriter Carbon Papers

**See Paper, Carbon**

## 16214— Typewriter Parts

Ames & Filstead Co., The, 607 S Dearborn, Chicago, Ill.
Nichols W. H. Waltham, Mass.
Peerless Key Co., 176 Fulton, New York
Stevenson Mfg. Co. (Wooden), South Bend, Ind. *See adv index at end of book*
Waltham Screw Co., Waltham, Mass.

## 16215— Typewriter Ribbons

American Multigraph Sales Co., 1832 E 40th, Cleveland, O.
American Ribbon & Carbon Co. ("Eagle"), Rochester, N. Y.
Apter Bros. Mfg. Co., 552 W Harrison, Chicago, Ill.
Ault & Wiborg Co., Cincinnati, O.
Bayer Frank Co. ("Markwell"), 119 Lafayette, New York
Black Diamond Ribbon & Carbon Co. ("Black Diamond"), Rochester, N. Y.
Brecher E. A. & Co. ("Unxld," "Sterling," "Merit"), 119 Lafayette, New York
Buckeye Ribbon & Carbon Co., 1468 E 55th, Cleveland, O.
Carter's Ink Co. ("Ideal"), E Cambridge, Boston, Mass.
Columbia Ribbon & Carbon Mfg. Co. ("Columbia"), 69 Wooster, New York
Corona Supply Co. ("Corona"), Rochester, N. Y.
Crown Ribbon & Carbon Mfg. Co. ("Crown," "Globe"), Rochester, N. Y.
De-Fi Mfg. Co. ("De-Fi Polychrome"), 150 Nassau, New York
Downes & Co. ("So Klean"), 63 Wall, New York
Foyer Chas. A. & Co. ("Foyer"), 1104 Prospect av, Cleveland, O.
Heale J. A. & Co. ("H.-B.," "Crystal," "Rival," "Export"), 96 John, New York
Hunt Jasper Mfg. Co., 536 S Clark, Chicago, Ill.
Imperial Mfg. Co., 297 Washington, Newark, N. J.
**INK RIBBON MANUFACTURING CO.** ("Peacock" Silk Typewriter Ribbons & Carbon Paper, "Flo-Eze" Inks, "Quicksticker" Mucilage & Paste, "Irco" Stamp Pads & Stamp Pad Inks), 635 Howard, San Francisco, Cal.
International Carbon Paper Co. ("I. C. P. Co"), 100 Grand, New York
Kee Lox Mfg. Co. ("Kee Lox"), Rochester, N. Y.
Kruse Printing Ink Co., 437 Pearl, New York
Little A. P., Rochester, N. Y.
Manifold Supplies Co., 188 3d av, Brooklyn, N. Y.
Mercury Mfg. Co. ("Mercury"), 17 Elm, Rochester, N. Y.
Miller-Bryant-Pierce Co. ("Carnation," "Diamond," "Elk," "Aurora," "M. B. P."), Aurora, Ill.
Minford Ribbon & Carbon Co., 9 Walker, New York
Mittag & Volger ("Eureka"), Park Ridge, N. J.
Monarch Supply Co. Inc., 390 E Main, Rochester, N. Y.
National Ribbon & Carbon Co., 1466 E 55th, Cleveland, O.
Neidich Process Co., Burlington, N. J.
Non-Smut Carbon Mfg. Co., Rochester, N. Y.
Old Town Ribbon & Carbon Co., 245 Centre, New York
Pelton George E. & Co. ("Peau-de-Soie"), Georgetown, Ky.
Pen-Carbon Manifold Co. ("Cotton King" Mercerized Silk), New Brunswick, N. J.
Phillips Ribbon & Carbon Co. ("Philco" & "Wear-Write"), 88 Manhattan, Rochester, N. Y.
Republic-Dodge Mfg. Co. ("Du-Ra-Bul"), 188 3d av, Brooklyn, N. Y.
Smith Premier Works, Remington Typewriter Co., Syracuse, N. Y.
Smith S. T. Co., 116 Duane, New York
Snelling & Son, 225 34th, Brooklyn, N. Y.
Stafford S. S., 609 Washington, New York
Storms H. M. Co. ("American," "Cameo," "Reliance," "Whitedge"), 11 Vandewater, New York
Typeribbon Mfg. Co. ("Van Sen"), 711 S Dearborn, Chicago, Ill.
Underwood J. & Co., 63 Park pl, New York
Union Ribbon & Carbon Co. ("Apex," "Summit"), 67 Laurel, Phila., Pa.
United States Typewriter Ribbon Mfg. Co. ("U. S."), 124 S. 8th, Philadelphia, Pa.
Utica Carbon & Wax Paper Co., Utica, N. Y.
Vacuo-Static Carbon Co. ("Wearebest"), Rochester, N. Y.
Wayne Specialty Co. (Re-Inking), Ft. Wayne, Ind.
Webster F. S. Co. ("Star"), 340 Congregational, Boston, Mass.
Yost Works, Remington Typewriter Co., Bridgeport, Conn.

## 16216— Typewriters

Allen Typewriter Co., Allentown, Pa.
American Writing Machine Co., 339 B'way, New York
Blickensderfer Mfg. Co., Stamford, Conn.
Columbia Typewriter Mfg. Co., 37 W 116th, New York
Corona Typewriter Co. ("Corona"), Groton, N. Y.
Elliott-Fisher Co., Harrisburg, Pa.
Fox Typewriter Co., Grand Rapids, Mich.
Galesburg Writing Machine Co. ("Chicago"), Galesburg, Ill.
Hammond Typewriter Co. ("Hammond") Visible, 537 E 69th, New York
Noiseless Typewriter Co., Middletown, Conn.
Oliver Typewriter Co. ("Oliver"), 159 N Dearborn, Chicago, Ill.
Remington Typewriter Co., 374 B'way, New York. Works: Ilion, N. Y.
Royal Typewriter Co. ("Royal"), 364 B'way, New York. Works: New Park av, Hartford, Conn.
Secor Typewriter Rep. Co. ("Secor" Visible), Derby, Conn.
Simplex Typewriter Co., 644 1st av, New York
Smith L. C. & Bros. Typewriter Co., Syracuse, N. Y.
Smith Premier Works, Remington Typewriter Co., Syracuse, N. Y.
Sun Typewriter Co., 317 B'way, New York
Underwood Typewriter Co., 30 Vesey, New York
Union Typewriter Co. ("Yost"), Bridgeport, Conn.
Victor Typewriter Co., 47 W 42d, New York
Visigraph Typewriter Co., 37 W 116th, New York
Williams Mfg. Co., Ltd., Plattsburg, N. Y.
Woodstock Typewriter Co., 35 N Dearborn, Chicago, Ill.
Yost Writing Mach. Co., 345 B'way, New York

## 16217—Typewriters (Adding & Billing)

Elliott-Fisher Co., Harrisburg, Pa.
Ellis Adding Typewriter Co., 338 Elizabeth av, Newark, N. J.
Moon-Hopkins Billing Machine Co. ("Hopkins" Writing, Adding & Indexing Machines), 2235 O'Fallon, St. Louis, Mo.
Underwood Typewriter Co., 30 Vesey, New York

## 16218—Typewriters (Shorthand)

Stenotype Co. ("Stenotype"), Indianapolis, Ind.

## 16219—Typewriters (Telegraphic)

American Telegraph Typewriter Co., 251 W 19th, New York
Universal Machine Co., 501 E Preston, Baltimore, Md.

## 16220—Ultra Violet Rays Producing Apparatus

Hanovia Chemical & Manufacturing Co., 100 Chestnut, Newark, N. J.
*See adv index at end of book*
R. U. V. Co., 165 B'way, New York

## 16221— Ultramarine Blues

Behrend F., Inc., 170 Front, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
**Heller & Merz Co., 503 Hudson, New York**
**International Ultramarine Works, 115 Leonard, New York**
**Jacob Chas. W. & Allison (Imp), 18 Cedar, New York**
**Standard Ultramarine Co., Huntington, W. Va.**
**Ultramarine Co. (Domestic), 38 Park row, New York**
**Waldo E. M. & F. (Also Laundry), 11 B'way, New York (Selling Agents)**

## 16221a— Umber (Burnt & Raw)

Chrystal Chas. B., 13 Cliff, New York
*See adv index at end of book*

## 16222— Umber (Earth)

Chrystal Chas. B. (Imp.), 13 Cliff, New York. *See adv index at end of book*
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Commercial Co., Ltd., of U. S. (Imp.), 295 B'way, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O. *See adv index at end of book*
Smith J. Lee & Co. (Imp., Raw & Burnt), 19 Jacob, New York

**WILLIAMS C. K. & CO. (Raw or Burnt), Easton, Pa.**
*See adv index at end of book*

## 16223— Umbrella Mfrs.

Altshuler Bros., 345 4th av, New York
Bamberger Herman Co., 877 B'way, New York
Bauer Bros. Mfg. Co. (Wagon Sunshades), Richmond & Carr, Cincinnati, O.
Becker & Thomas Co., Cleveland, O.
Cappel A. & Son, Dayton, O.
Dougherty Bros. Tent & Awning Co. (Wagon), 116 S 4th, St. Louis, Mo.
Eckam Arthur G., Rochester, N. Y.
**Elkus Co., 729 Mission, San Francisco, Cal.**
Excelsior Umbrella Mfg. Co., 73 Summer, Boston, Mass.
Finver Bros. & Co., 126 5th av, New York
Follmer, Clogg & Co., 114 5th av, New York, & Lancaster, Pa.
Gans Bros., 100 S Hanover, Baltimore, Md.
Harding Jno. W. R., 1528 Gillingham, Phila., Pa.
Henryson I. P. & Co., 20 W 20th, New York
Huff John P., Troy, N. Y.
Hull Bros. Umbrella Co., Toledo, O.
**Hulse Bros. & Daniel Co., 16 W 22nd, New York**
**Kreis & Hubbard, 320 S Franklin, Chicago, Ill.**
**Kronmiller Geo. & Son, 139 N Gay, Baltimore, Md.**
**Kuhn E. C., 8 W 4th, Cincinnati, O.**
**Lazarus J. & Co., 74 Franklin, New York**
**Lemmers Umbrella Co., The Arcade, Cleveland, O.**
**Miller Bros. & Co., 894 B'way, New York**
**Moneton Wireless Umbrella Co., Wilmington, Del.**
**National Umbrella Co., 1372 W 6th, Cleveland, O.**
**Newland Hat Co., 162 Jefferson av, Detroit, Mich.**
**Patton R. J. & Co. (Wagon), 222 E 4th, Cincinnati, O.**
Polan, Katz & Co., 2 Market pl, Baltimore, Md.
**Quier C. D. Top Co. (Wagon Sunshades), Kansas City, Mo.**
**Rainshine Umbrella Co., 715 Main, Kansas City, Mo.**
**Rich Wm. H., Jr., 164 5th av, New York**
Rose Bros. & Co., Lancaster, Pa.
**Shaler Umbrella Co., Waupun, Wis.**
Siegel, Rothschild & Co., Howard & Baltimore, Baltimore, Md.
Stevenson Low & Co. (Cotton, Silk & Parasols), 85 5th av, New York
Stokley Jas. & Co., 728 Cherry, Phila., Pa.
Stoopack & Garbat, 37 E 18th, New York
**Tim Jno. W. & Son, 633 Penn av, Pittsburgh, Pa.**
**Ware Arthur W. & Co., 12 E 18th, New York**
Western Umbrella Co., Omaha, Nebr.
Wolfson Bros. Umbrella Co. ("Weather-king," "Weather-Queen"), 392 B'way, New York
**Zittlosen Mfg. Co. (Wagon), Park & Dolman, St. Louis, Mo.**

## 16224—Umbrella Parts (Steel)

**Fretz, Gross & Co. ("Foldwell"), 22nd & Sedgley av, Phila., Pa.**
Newark Rivet Works, 262 Lafayette, Newark, N. J.
Townsend Co. (Tips), New Brighton, Pa.

## 16224a— Umbrellas (Folding)

**Follmer, Clogg & Co., 114 5th av, New York**
Gans Bros, 100 S Hanover, Baltimore, Md.

## 16225—Umbrellas (Wagon, Truck & Advertising)

Perfection Mfg. Co., 2701 Montclair, St. Louis, Mo.
Troy Carriage Sun Shade Co., Troy, O.
Zittlosen Mfg. Co., Park & Dolman, St. Louis, Mo.

## 16226—Underframes (Steel Car)

American Bridge Co., 30 Church, New York
Bettendorf Co. (For Freight Cars, Bettendorf, Ia.
**Cambria Steel Co, Widener bldg, Phila., Pa.**
Chicago Steel Car Co., Harvey, Ill.
Commonwealth Steel Co., Pierce bldg, St. Louis, Mo.
Erie Car Works, 1150 W 17th, Erie, Pa.
**Greenville Steel Car Co., Greenville, Pa.**
Illinois Car & Mfg. Co. (Freight Car), 20 W Jackson blvd, Chicago, Ill.
Lincoln Steel & Forge Co., 5701 Natural Bridge av, St. Louis, Mo.
**Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.**
Ralston Steel Car Co. (For All Kinds of Freight & Passenger Cars), Columbus, O.
Virginia Bridge & Iron Co., Roanoke, Va.
Western Steel Car & Foundry Co., Peoples Gas bldg, Chicago, Ill.

## 16227—Uniforms (Baseball & Athletic)

Chicago Sporting Goods Mfg. Co., 211 N Carpenter, Chicago, Ill.
Dudley Chas. H., Hanover, N. H.
Onondaga Indian Wigwam Co., Syracuse, N. Y.
**Rawlings Mfg. Co., 23d & Lucas av, St. Louis, Mo.**
**Spalding A. G. & Bros., 126 Nassau, New York**
Stall & Dean Mfg. Co., Brockton, Mass.
Wilson Thos. E. & Co., 727 N Sangamon, Chicago, Ill.

## 16228—Uniforms (Employees')

Greenwood-Atkinson-Armstrong Co., 25 Woodword, Detroit, Mich.
**Lilley M. C. & Co., Sixth & Long, Columbus, O.**
**Newcomb F. H., 136 Flatbush av, Brooklyn, N. Y.**
**Orr C. F. & Co., 209 S State, Chicago, Ill.**
**Pettibone Bros. Mfg. Co., 626 Main, Cincinnati, O.**
**Singer A. L. & Co., 367 W Adams, Chicago, Ill.**
Wendell, Fay & Co., 229 4th av, New York

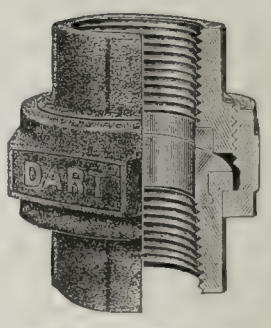
## 16228a— *Unionalls

**COUCH MILLS CO.**, Atlanta, Ga.

## 16229— Unions

**ACHESON MFG. CO.** (Barge), Rankin, Pa.
American Block & Mfg. Co. ("Welco"), Warren, Ohio
**Athol Pump Co. (1¼ & 1½ in. for Wrought Iron & Lead Pipe), Athol, Mass.**
**Atkinson Co. (Brass, also Ground Joint Soldering), Rochester, N. Y.**
Bard Union Co. (Inc.), ("Bard"), Norwich, Conn.
**Belfield H. Co. (Brass), 435 N Broad, Phila., Pa.**
**Berry Union Co. (Boltless Flange), 400 Godchaux bldg, New Orleans, La.**
Brigman Bros. Co. ("Bridgman" Brass & Brass Screwed), 131 S 31st, Phila., Pa.
Buckeye Iron & Brass Works (Brass Joint, Radiator Elbow), Dayton, O.
**Crane Co. (Brass), Bridgeport, Conn.**
Crawford & Tyler, North Dana, Mass.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Dart E. M. Mfg. Co., 134 Thurbers, Providence, R. I. *See adv index at end of book*


# DART UNIONS



HAVE
2 Bronze Seats 2
Malleable Iron Pipe Ends and Nut.
*A free sample will demonstrate its merits.*
E.M. Dart Mfg. Co.
PROV., R. I.


Devlin Thos. Mfg. Co. ("National"), 3rd & Lehigh av, Phila., Pa.
Eastwood Wire Mfg. Co. (Bronze, End Flanged, etc.), Belleville, N. J.
Edward Valve & Mfg. Co. (Cast Iron & Forged Steel), Edison bldg., Chicago, Ill.
Eureka Brass Works ("Eureka" Brass), 1040 Hulbert av, Cincinnati, O.
Exeter Brass Works (Brass), Exeter, N. H.
Fairbanks Co., 416 Broome, New York
Flagg, Stanley G. & Co. ("Keystone," Soft Metal Seat), Morris bldg, Phila., Pa.
General Fire Extinguisher Co. ("Flanged Cast Iron, etc), Providence, R. I.
Haines, Jones & Cadbury Co. ("Hajoca"), **1136 Ridge av, Phila., Pa.**
Hamlin & Emery Brass Co. (Brass), 49 Island, Boston, Mass.
Hancock Mfg. Co., Charlotte, Mich.
Hays Mfg. Co. (Brass), Erie, Pa.
Illinois Malleable Iron Co. (Brass & Iron), 1801 Diversey blvd, Chicago, Ill.
**Jefferson Union Co. ("Jefferson," for High & Low Pressure), Lexington, Mass.**
Kelly & Jones Co. ("Norustocta," "Penn," "Pitt," "Octa Penn," "Octa Pitt" & Standard Malleable, Brass & Cast **Iron), 135 Water, Pittsburgh, Pa.**
Larkin J. K. & Co. (Ball Joint), 34 Reade, New York *See adv index at end of book*
**LUNKENHEIMER CO.** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McCambridge Co., 315 N 20th, Phila., Pa.
McMann & Taylor Co. ("Mantaco"), 104 John, New York
*See adv index at end of book*
McNabb & Harlin Mfg. Co. (Brass & Iron), 55 John, New York
Malleable Iron Fitings Co. ("M. I. F. Co.") (Malleable), Branford, Conn.
Mark Mfg. Co. ("Mark" Cold Drawn Steel), Evanston, Ill.
National Brass Mfg. Co. (Brass), Rochester, N. Y.
Newbury Mfg. Co. (Grey Iron), Monroe, N. Y.
New York Brass Foundry Co. ("Stillbech" Extra Heavy), 403 Broome, New York
Pancoast Henry B. Co. ("American"), 950 N Front, Phila., Pa.
Pittsburgh Brass Mfg. Co. (Brass, Extra Heavy), Penn & 32d, Pittsburgh, Pa.
Pittsburgh Piping & Equipment Co. (Brass, Straight & Universal), 35th & Charlotte, Pittsburgh, Pa.
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**
Powell Wm. Co. (Brass), Cincinnati, O.
*See adv index at end of book*
Rex-Harris Fire Appliance Co. (Brass), 310 W 39th, New York
**Richardson, Edro Brass Co. (Brass), 818** N Holliday, Baltimore, Md.

Rockwood Sprinkler Co. ("Rockwood" Pressed Steel), Worcester, Mass.
Standard Union Co., 7 Water, Boston, Mass.
Stoddard Union Co., Warren, O.
Tight Joint Co. ("Tight-Joint" Flanged, for High Pressure), 310 E 47th, New York
Williams D. T. Valve Co., Cincinnati, O.
Williams Franklin, Inc. ("Tuxedo," Bronze), 37 Cortlandt, New York

## 16229a—Unions (All Brass)

**ACHESON MFG. CO.**, Rankin, Pa.
*See adv index at end of book*
**LUNKENHEIMER CO.** (Executive Offices & Factories), Beekman & Waverly, Cincinnati, O.
***See adv index at end of book***

## 16230—*Unions (Brass, Brazing & Flared Tubing)

**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
***See adv index at end of book***

## 16231— Unions (Flange)

**ACHESON MFG. CO.** (Brass), Rankin, Pa.
*See adv index at end of book*
American Block & Mfg. Co. ("Welco"), Warren, Ohio
American Fdry. & Mfg. Co., 11th & Herbert, St. Louis, Mo.
Bard Union Co. ("Bard"), Norwich, Conn.
Berry Union Co., 400 Godchaux bldg, New Orleans, La.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Williamsport, Pa.
Dart E. M. Mfg. Co. ("Dart"), 134 Thurbers av, Providence, R. I.
*See adv index at end of book*
Edward Valve & Mfg. Co. ("Edward" Heavy Cast Iron & Forged Steel), Edison bldg, Chicago, Ill.
General Fire Extinguisher Co. (Cast Iron), Providence, R. I.
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Hoffmann B. Mfg. Co. (Cast Iron), 257 6th, Milwaukee, Wis.
Jefferson Union Co. ("Jefferson" Malleable Iron, Bronze or Brass Seat), Lexington, Mass.
Kane Supply Co. (Extra Heavy), Kane, Pa.
Kelly & Jones Co. (Cast Iron, Malleable & Brass), 135 Water, Pittsburgh, Pa.
Kokomo Brass Works (Steam Metal), Kokomo, Ind.
McNab & Harlin Mfg. Co., 55 John, New York
Newbury J. H., Goshen, N. Y.
Pittsburgh Valve, Foundry & Construction Co., 26th & A V R. R., Pittsburgh, Pa.
Powell Wm. Co. (Brass), Cincinnati, O.
*See adv index at end of book*

## 16231a—Unions (Long Screw)

**KEMP C. M. MFG. CO.**, 405 E. Oliver, Baltimore, Md.

## 16232—Unions & Nipples (Soldering)

American Brass & Copper Co., 138 Lafayette, New York
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Atkinson Co., Rochester, N. Y.
Berry Union Co., 400 Godchaux bldg, New Orleans, La.
Buckeye Iron & Brass Works, Dayton, O.
Burlington Brass Works, Burlington, Wis.
Campbell J. B. Brass Works, Erie, Pa.
Cleveland Brass Mfg. Co. (Brass), 4606 Hamilton, Cleveland, O.
Flannery P. J. Co., New Britain, Conn.
Glauber Brass Mfg. Co, 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Haines, Jones & Cadbury Co. ("Hajoca"), 1136 Ridge av, Phila., Pa.
Hays Mfg. Co., Erie, Pa.
Jefferson Union Co. ("Jefferson"), Lexington, Mass.
Kelly & Jones Co. (Brass), 135 Water, Pittsburgh, Pa.
Kokomo Brass Works, Kokomo, Ind.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
McShane Bell Foundry Co., Harford av & B & O R R, Baltimore, Md.
Maco Products Corp., 154 Nassau, New York
Mueller H. Mfg. Co., Decatur, Ill.
Prier Brass Mfg. Co., Kansas City, Mo.
Savill's Thos Sons, 1310 Wallace, Philadelphia, Pa.
Springfield Brass Co., Springfield, O.
Union Brass & Metal Mfg Co, Lawson & Mackubin, St. Paul, Minn.
Union Water Meter Co. (Combination Soldering Nipple), Worcester, Mass.
United Lead Co. (Lead & Iron), 111 Broadway, New York
Williams D. T. Valve Co., Cincinnati, O.
Wolverine Brass Works, Grand Rapids, Mich.

## 16232a— Units (Truck)

Ames Motor Car Co. ("Ames"), Owensboro, Ky.
Bessemer Motor Truck Co., Grove City, Pa.
Cole & Discon ("C. & D." Attachment Truck Units), 236 W. 54th, New York
Cole Truckmobile Co. ("Truckmobile"), 408 Lafiin, 1720 S Michigan av, Chicago, Ill.
Commercial Car Unit Co. ("Hudford"), 16th & Glenwood, Phila., Pa.
Dearborn Truck Co. ("Dearborn"), 2015 S Michigan av, Chicago, Ill.
Detroit Truck Co. ("Tonford"), 816 2nd, Detroit, Mich.
Hayes-Diefenderfer Co. ("Xtend-a-Ford"), 1876 B'way, New York
Horizontal Hydraulic Hoist Co. (Dumping), 608 Gratiot, Detroit. Mich.
Iowa Motor Co. ("Iowa"), Ottumwa, Ia.
Jewett Car Co. ("Jewett"), Newark, O.
Knox Motors Co. ("Knox"), Springfield, Mass.
Longford Co. of America, Cambridge, Mass.
Make A Motor Truck Co. ("Make A Motor Truck"), 1508 Michigan av, Chicago, Ill.
Maxfer Truck & Tractor Co. ("Maxfer"), Harvey, Ill.
Rayford Co. ("Rayford"), 2d & Indiana, Phila., Pa.
Redden Motor Truck Co. ("Redden"), 676 Woodward av, Detroit, Mich.
Robinson Machine Co. ("Truckford"), 584 Franklin, Detroit, Mich.
Rothweiler Truck Co. ("Rothweiler"), Seattle, Wash.
Smith-Form-A-Truck Co. ("Smith-Form-A-Truck"), 2015 S Michigan, Chicago, Ill.
Stewart Mfg. Co. ("Uni-Truck"), Waterloo, Ia.
Swedish Crucible Steel Co. ("Olson"), Butler & Grand Trunk RR, Detroit, Mich.
Ton-A-Ford Truck Co. ("Ton-A-Ford"), Racine, Wis.
Union Truck Mfg. Co. ("Union"), 250 W 54th, New York
Woodward Truck Attachment Co. ("Woodward"), Los Angeles, Cal.
Wright Truck Attachment Co. ("Wright"), Seattle, Wash.

## 16233-4— Unloaders (Coal Car)

Acme Road Machinery Co., Frankfort, N. Y.
Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, O.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Stephens-Adamson Mfg. Co. ("S-A"), Aurora, Ill.

## Unloaders (Portable)

**See Conveyors, Portable**

## 16235— Unloaders (Sling)

**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila, Pa. *See adv index at end of book*
**MYERS F. E. & BRO.** ("Myers Sure Grip," Cross Draft "Clover Leaf," "Faultless" Triple Hoist, Right Angle Elevator & "Sure Grip" 2-Fork Unloader, Unloaders), 900 4th, Ashland, O. *See adv index at end of book*

## 16236— Unloaders (Stone)

Acme Road Machinery Co., Frankport, N. Y.
**BYERS, JNO. F. MACHINE CO.**, 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Galion Iron Works & Mfg. Co. ("Eclipse" Portable), Galion, O.

## 16237—Unloaders (Sugar Cane Car)

Chain Belt Co., Milwaukee, Wis.
**FULTON IRON WORKS CO.**, St. Louis, Mo. *See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*

## 16238— Unloaders (Timber)

Byers Jno. F. Machine Co., 242 S Sycamore, Ravenna, O.
*See adv index at end of book*
Soule Steam Feed Works, Meridian, Miss.

## 16239— Unloaders (Vessel)

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P & R Ry, Phila., Pa. *See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*

## 16239a— *Upholstery

CHASE Leatherwove "To take the lead in some respects its better"

Chase L. C. & Co. ("Chase Leatherwove" & "Chase Velmo"), 89 Franklin, Boston, Mass.
***See adv index at end of book***

CHASE VELMO FOR UPHOLSTERY

Zapon Leather Cloth Co. (Formerly Boston Artificial Leather Co.), 200 5th av, New York
***See adv index at end of book***

**Pre-eminent for thirty years.**

Zapon qualities — Broncho, Muleskin, Moroccoline, Randco, 170 Drill and Sheetings—all carry the advantages of fine appearance, long wear, workability and economy. All grains and colors. Ask for samples.

**ZAPON LEATHER CLOTH CO.**
**200 FIFTH AVE., NEW YORK, N. Y.**

ZAPON Leather Cloth

## 16239b—*Upholstery Materials

Whitney H. W., 305 S La Salle, Chicago, Ill.

## 16240— Upsetters (Tire)

**See also Shrinkers, Tire & Axle**

Buffalo Forge Co. ("Buffalo"), Buffalo, N. Y.
Butts & Ordway Co. ("B. & O." "Shur Grip"), 33 Purchase, Boston, Mass.
Champion Blower & Forge Co. ("Star"), Lancaster, Pa.
Fulton Iron Works, 39 Franklin, Detroit, Mich.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Kane & Roach ("K. & R."), Syracuse, N.Y.

UPSETTERS (TIRE)—continued

**Luther Mfg. Co. ("Black Giant," Upset Punch & Shear Combined), Olean, N. Y.**
**Munnsville Plow Co. ("Punch"), Munnsville, N. Y.**
**Rockford Mfg. Co. ("Rockford"), Rockford, Ill.**

## 16241— Uranium

Carolina Mineral Co., Penland, N. C.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
**Radium Luminous Matl. Corp., 55 Liberty, New York**
**Standard Chemical Co., Vanadium bldg, Pittsburgh, Pa.**

## 16241a— Uranium Chloride

Cooper Chas & Co., 194 Worth, New York
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 16241b— Uranium Nitrate

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Warren Products Co., 265 Canal, New York
*See adv index at end of book*

## 16242— Uranium Oxide

**Drakenfeld B. F. & Co. (Selling Agents), 50 Murray, New York**
Feuchtwanger L. & Co., 74 Cortlandt, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
**YORK METAL & ALLOY CO.,** York, Pa.

## 16242a— Uranium (Salts of)

Standard Chemical Co., Vanadium bldg., Pittsburgh, Pa.

## 16242b— Uranium (Sulphate)

Cooper, Chas. & Co., 194 Worth, New York

## 16242c— Urea

American Cyanamid Co., 511 5th, New York

## 16243— Urinal Stalls

Ebinger D. A. Sanitary Mfg. Co. ("Ebinger"), 181 Lucas, Columbus, O.
Edwardsville Brass Co. (Trimmings), Edwardsville, Ill.
Fords Porcelain Works, Perth Amboy, N. J.
General Ceramics Co. ("Phoenix" Porcelain), 50 Church, New York
Monument Pottery Co. (Porcelain), Trenton, N. J.
**Mott J. L. Iron Works ("Imperial," Porcelain), Trenton, N. J.**
Nason Mfg. Co., 71 Fulton, New York
**Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.**
Trenton Potteries Co., Trenton, N. J.
**Walls, Owen & Stambach Co. (Soapstone), 11th & Hamilton, Phila., Pa.**
Wheeling Sanitary Mfg. Co., Wheeling, W. Va.

## 16244— Urinals (Public)

Alberene Stone Co., 223 23rd, New York
**American Foundry & Furnace Co., Bloomington, Ill.**
**Central Foundry Co. (Cast Iron), 90 West, New York**
**Imperial Brass Mfg. Co. ("Watrous," "Duojet"), 524 S Racine av, Chicago, Ill.** *See adv index at end of book*
Sanitas Mfg. Co. ("Terminal," "Revere"), 105 Washington, Boston, Mass.
**Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.**

## 16245— Urinometers

**Tagliabue Chas. J. Mfg. Co., 18 33rd, Brooklyn, N. Y.**

## 16246—Urns (Tea & Coffee)

**Aldrich Mfg. Co., Buffalo, N. Y.**
American Metal Ware Co., 368 W. Huron, Chicago, Ill.



**Arine Carl H. Mfg. Co., 1348-52 DeKalb av, Brooklyn, N. Y.**
Blickman Isidor (Coffee), 479 First av, New York
Blickman S. (Copper), Manley & Mount, Long Island City, N. Y.
Manley & Mount, Long Island City, N. Y.
**Boesch Lamp Co., 962 Mission, San Francisco, Cal.**
**Bramhall-Deane Co. ("Superior"), 261 W 36th, New York**
**Buffalo Mfg. Co., Buffalo, N. Y.**
**Buzzini Walter J., 505 W 21st, New York Pa.**
**Consolidated Mfg. Co., Dayton, O.**
**Duparquet, Huot & Moneuse Co., 119 W 22d, New York**
**Hutchinson Bros., 5 S Howard, Baltimore, Md.**
**International Silver Co., Meriden, Conn.**
Janous Kramer Range Co. (Coffee), 640 W Randolph, Chicago, Ill.
**Joesting & Schilling Co., 379 Sibley, St. Paul, Minn.**
**Koehler & Hinrichs, St. Paul, Minn.**
Kreamer A., Inc., 307 Kent av, Brooklyn, N. Y.
Kronman E., 248 Lafayette, New York
**Lalance & Grosjean Mfg. Co., 299 B'way, New York**
**Landers, Frary & Clark ("Universal"), New Britain, Conn.**
**Manning, Bowman & Co., Meriden, Conn.**
**Meek Oven Mfg. Co. ("Meek Gas"), Newburyport, Mass.**
Miller A. G., 108 Centre, New York
**Pick Albert & Co. (Also Hot Water Urns), 212 W Randolph, Chicago, Ill.**
**Ray Geo. A. Mfg. Co. (Also Hot Water Urns, All Copper, Nickel Plated, etc), Buffalo, N. Y.**
**Ricketts & Bartlett Range Co., 319 W Randolph, Chicago, Ill.**
**Sexton S. B. Stove & Mfg. Co, 500 Block W Conway, Baltimore, Md.**
**Silver & Co., 304 Hewes, Brooklyn, N. Y.**
Stearnes Co., 133 W Lake, Chicago, Ill.
**Strater Herman & Sons, 74 Sudbury, Boston, Mass.**
Watkins Jas. Y. & Son, 20 Catherine, New York
**Williams & Poore, 22 Medford, Boston, Mass.**

## 16247—Urns & Vases (Terra Cotta)

**Clark N. & Sons, 116 Natoma, San Francisco, Cal.**

## 16248—Vacuum Cleaners (Hand & Power)

**Advance Mfg. Co., Kalamazoo, Mich.**
Air-Way Co. ("Air Way Pnumode"), 1501 W Bencraft, Toledo, Ohio
**Allen Alex., 426 Pearl, Buffalo, N. Y.**
American Radiator Co. ("Arco Wand" Stationary), 820 So. Michigan av, Chicago, Ill.
**American Vacuum Cleaning Co., 17 Wadsworth, Buffalo, N. Y.**
**Apex Electrical Mfg. Co. (Electric), 1111 Power av, Cleveland, O.**
**Atwood Vacuum Cleaner Co. ("Atwood," Hand & Power, Stationary & Portable), Rockford, Ill.**
**Banner Machine Co. ("Banner" Hand), Columbiana, O.**
Beach-Russ Co., 216-224 B'way, New York
*See adv index at end of book*
Birtman Electric Co. ("Bee," Electric Suction), Lake & Desplaines, Chicago, Ill.
Bissel F. Co. ("Bissell" Electric), Toledo, O.
**Blaisdell Machinery Co. (Power), Bradford, Pa.**
**Braun Electric Mfg. Co. (Portable), Dover, O.**
**Bright Circle Mfg. Co., Toledo, O.**
Buckeye Brass & Mfg. Co., 6410 Hawthorne, Cleveland, O.
**Clayton-Marlborough Mfg. Co. ("M. D. S." Power), Rochester, N. Y.**
**Clements Mfg. Co. ("Cadillac," "Reliable," "Little Ben," "Big Ben"), 609 Fulton, Chicago, Ill.**
Cleveland Specialty & Mfg. Co., Cleveland, O.
Clifton-Pratt Co. (Power), 1224 W 8th, **Cincinnati, O.**
Cyclone Brush Co. ("Cyclone," Hand, Electric), Bradford, Pa.
**Domestic Appliance Co., Rochester, N. Y.**
**Domestic Vacuum Cleaner Co. ("Domestic" Hand & Electric), Torrington, Conn.**
**Doty Mfg. Co., Dayton, O.**
**Drake Hdwe. Co., Friendship, N. Y.**
**Duntley Pneumatic Sweeper Co., 412-414 S. Market, Chicago, Ill.**
**Duntley Products Co., Erie, Pa.**
Eclipse Machine Co. (Power Only), Sidney, Ohio
**Edison Electric Appliance Co., Inc. (Hotpoint Div.), 5600 W. Taylor, Chicago, Ill.**
Electric Vacuum Cleaner Co. ("Frantz Premier" Electric), Ivanhoe rd, Cleveland, O.
Elite Vacuum Cleaner Mfg. Co. ("Elite"), **Kesner bldg, Chicago, Ill.**
Elliott Electric Co., 813 Superior av, **Cleveland, O.**
Emery Chas. W. ("Superb," "Superb, Jr.," "Cadillac Special," "King," "Princess"), 2036 N 13th, Phila., Pa.
Eureka Vacuum Cleaner Co., 101 B'way, Detroit, Mich.
**Everson Mfg. Co. (Portable Electric), 271 Franklin, Boston, Mass.**
Everybody's Vacuum Cleaner Co., 80 5th av, New York
Federal Sign System (Electric), 6700 S State, Chicago, Ill.
**Feeney Mfg. Co., Muncie, Ind.**
**Geier P. A. Co. ("Royal" Electric), Cleveland, O.**
Gen'l. Compressed Air & Vacuum Machinery Co. (Portable & Stationary, Electric & Belt Driven Railroad Car Cleaners, etc.), St. Louis, Mo.
**Gits Elec'l Co., 1121 Washington bldg, Chicago, Ill.**
**Glidden, Wilmot & Son (Power), Oak Park, Ill.**
**Gray Iron Foundry Co. ("Crown," "Queen A," "Queen B," Hand), Reading, Pa.**
Hamilton Beach Mfg. Co. ("Hamilton Beach"), Racine, Wis.
**Hanlon & Wilson ("Vak-Klean"), Wilkinsburg, Pa.**
Hoover Suction Sweeper Co., North Canton, O.
**Houston Mfg. Co. (Stationary Power), Rockford, Ill.**
**Hugro Mfg. Co. ("Victor," "Golden Rod," Hand House), 327 S La Salle, Chicago, Ill.**
**Hurley Machine Co. ("5" & "12" Electric),** 29 S Clinton, Cicero, Ill.
**Innovation Electric Co. ("Magic" Electric), 585 Hudson, New York**
**Invincible Mfg. Co., Point Power bldg, Pittsburgh, Pa.**
Invincible Vacuum Cleaner Mfg. Co., Canal, Dover, Ohio
**Jakway-Motor-Cone Vacuum Cleaning Mfg. Co., 135 Wood av, Syracuse, N. Y.**
**Jeffrey Hydro Mfg. Co., 824 Columbus bldg, Cleveland, O.**
**Jewel Vac. Cleaner Co., 226 N Jefferson, Chicago, Ill.**
**Kent Vacuum Cleaner Co. ("Kent" Stationary & "Vacuna" portable), Rome, N. Y.**
Kieswetter Jos. F., Toledo, O.
**Knox Geo. S. Co., Wilkinsburg, Pa.**
**Lazarus Mfg. Co., 750 Prospect av, Cleveland, O.**
**Leasure Vacuum Cleaner Co. (Hand), Bradford, Pa.**
**Lima Cleaning Machine Co. (Power), Lima, O.**
Milwaukee Vacuum Machinery Co., 195 B'way, Milwaukee, Wis.
Morrow Co., Waukegan, Ill.
**National Sweeper Division of the Torrington Co. ("Torrington," "Electric" & Hand Power), Torrington, Conn.**
Ohio Co., 145 W 45th, New York
Palm Vacuum Cleaner Co. (Stationary), **2671 E Gd. blvd, Detroit, Mich.**
Pease F. B. Co. (Water Power), Rochester, N. Y.
**Peoria Can Co. ("Hoosier" Hand Power), Peoria, Ill.**
**Perfection Vacuum Cleaner Co. (Power, Stationary & Portable), 25 N Jefferson, Chicago, Ill.**
**Pittsburgh Electric Specialties Co., Ross & 1st, Pittsburgh, Pa.**
Pneuvac Co., 51 Jackson, Worcester, Mass.
**Quam Pneumatic Cleaner Co. (Hand & Power)), 243 Lake, Milwaukee, Wis.**
**Racine Electric Co., Racine, Wis.**
**Ramey Co. ("Duplex," "Simplex"), Chillicothe, O.**
**Regina Co. ("Regina," Pneumatic), 47 W 34th, New York**
**Rex Cleaner Co. ("Rex"), 431 Kent av, Brooklyn, N. Y.**

Richmond Radiator Co. ("Richmond" Stationary & Portable), 1480 B'way, New York
**SANTO VACUUM CLEANER CO.** ("Santo"), 1304 Diamond, Phila., Pa.
Scott-Fetzer Machine Co. ("Vacuette"), W 114th & Locust av, Cleveland, O.
Semco Mfg. Co. ("Semco"), Nashville, Tenn.
Shannon Lafe Co., Waterloo, Ia.
Spencer Turbine Co. ("Spencer"), Hartford, Conn.
Standard Mfg. Co. ("Wands"), Syracuse, N. Y.
Sterling Machine & Stamping Co. ("Thunderbolt"), Wellington, Ohio
Sterling Vacuum Cleaner Co. ("Sterling Hand), Worcester, Mass.
Sturtevant B. F. Co. ("Sturtevant," Electric Power), 15 Damon, Hyde Park, Boston, Mass.
Suction System Cleaning Co. ("Princess" Electric), Sidney, O.
Thurman Vacuum Cleaner Co. (Electric & Gasoline for Home & Railroad), Pontiac bldg. St. Louis, Mo.
Thurman Vacuum Cleaner Co., 705 Market, St. Louis, Mo.
United Electric Co. ("Tuec" Stationary, "Ohio Tuec" Portable), Canton, O.
United Vacuum Appliance Co. ("Connersville" & "Capitol" Stationary), Connersville, Ind.
Universal Electric Co. (Hand), 63 Elizabeth, Detroit, Mich.
Vital Mfg. Co. ("Vital"), 7500 Quincy av, Cleveland, O.
Warner Co. ("E-Z"), Muncie, Ind.
Western Electric Co. ("Sturtevant"), 463 West, New York
Winans Machine Co., Binghamton, N. Y.
Wise Co. "America" (Electric), New Philadelphia, O.

## 16249—Vacuum Drying & Impregnating Apparatus

See also Dryers, Vacuum

Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BUFFALO FOUNDRY & MACHINE CO.**, 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Devine J. P. Co. ("Emil Passburg"), Buffalo, N. Y.
Hubbard's Norman Sons, 265 Water, Brooklyn, N. Y.
Scott Ernest & Co. ("Scott"), Fall River, Mass.
Stokes F. J. Machine Co., 17th & Cambria, Phila., Pa.

## 16250— Valleys (Roll Tin)

**EDWARDS MFG. CO.**, 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.
**MERCHANT & EVANS CO.**, Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Messenger & Parks Mfg. Co. (Galvanized), Aurora, Ill.
Niles Iron & Steel Roofing Co. (Galvanized & Tin), Niles, O.
Ohio Corrugating Co., Warren, Ohio.
Whitaker-Glessner Co. ("Galvanized Steel & Ohio Metal" & "Portsmouth Iron"), Wheeling, W. Va.

## 16251— Valonea Importers

Haley-Hammond Co., 139 Pearl, New York
Klipstein A. & Co. (Imported), 644 Greenwich, New York
Marden, Orth & Hastings Co., 136 Liberty, New York

## 16252-3—Valve Balls (Rubber)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Continental Rubber Works, Erie, Pa.
Goodrich B. F. Co., Akron, O.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Jenkins Bros., 80 White, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
Mattson Rubber Co., Lodi, N. J.
New York Belting & Packing Co., 91 Chambers, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Republic Rubber Co., Youngstown, O.
Revere Rubber Co., Chelsea, Mass.
U. S. Rubber Co., 1790 B'way, New York

## 16254—Valve Cups (Leather)

Detroit Leather Specialty Co., (Inc.), ("Wear Well"), 275 Beecher av, Detroit, Mich.
Dragon Mfg. Co. (& Pumps for Oil Field Use), Marietta, Ohio
Hough Chas. N. Mfg. Co., Franklin, Pa.
Parker Cup & Specialty Wks., Parker Landing, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Whittlesey's M. E. Sons, Corry, Pa.

## Valve Grinding Materials

See Steel, Emery

## 16255—Valve Mfrs. for Steam, Gas & Water

For Jobbers of these Goods see Plumbers' Supplies, Jobbers; also Steam Fitters' Supplies, Jobbers
For Various Kinds of Valves see Subclassifications following this list
Acton John, 118 John, Brooklyn, N. Y.
Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
American Balance Valve Co., Jersey Shore, Pa.
American District Steam Co., North Tonawanda, N. Y.
American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
American Valve Co., Coxsackie, N. Y.
Ashton Valve Co. ("Ashton" Steam & Water), 161 First, Cambridge, Mass.
Atwood & Morrill, 48 Loring av, Salem, Mass.
Baker Ice Machine Co., Omaha, Neb.
Bashlin Co., Warren, Pa.
Bay State Brass Co., Haydenville, Mass.
Beaton & Cadwell Mfg. Co., New Britain, Conn.
Beaumont Valve & Hydrant Works, Kankakee, Ill.
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Bordo L. J. Co., 12th & Thompson, Phila., Pa.
Boyer Valve Co., 2828 La Salle, St. Louis, Mo.
Bourbon Copper & Brass Works, Cincinnati, O.
Buckeye Iron & Brass Works, Dayton, O.
Burrows Mfg. Co., York, Pa.
Cadman A. W. Mfg. Co., 2816 Smallman, Pittsburgh, Pa.
Capitol Brass Works, 596 Franklin, Detroit, Mich.
Cash A. W. Co., 250 E. Wood, Decatur, Ill. *See adv index at end of book*
Cayuta Mfg. Co., Sayre, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Chicago Mfg. Co. ("Lippy"), Chicago Jct., Ohio
Coal Muffler & Safety Valve Co., 325 E Oliver, Baltimore, Md.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbus Brass Co., 538 Dublin av, Columbus, O.
*See adv index at end of book*
Commonwealth Brass Works (Packers), 625 Commonwealth, Detroit, Mich.
Consolidated Safety Valve Co., 119 W 40th, New York
Crane Co., Bridgeport, Conn.
**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Davidson M. T. Co., 154 Nassau, New York
Davis G. M. Regulator Co., 434 Milwaukee av, Chicago, Ill.
Davis Louis N., West Chester, Pa.
**d'ESTE JULIAN CO.**, 26 Canal, Boston, Mass. *See adv index at end of book*
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.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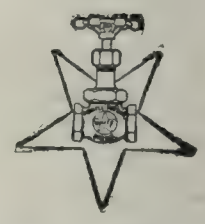
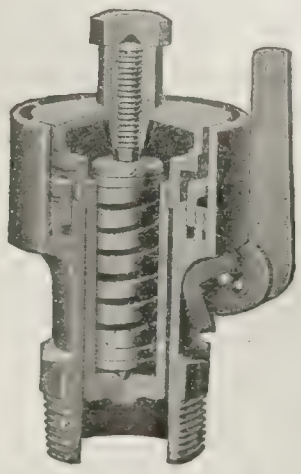



Dorn & Marcellus Co., Mascher & York, Phila., Pa.
Eddy Valve Co., Waterford, N. Y.
Elliott B. K. Co., 126 6th, Pittsburgh, Pa.
Engberg Electric & Mechanical Works (Electro Hydraulic Valve), St. Joseph, Mich.
Engineers' Appliance Co. ("Hydromatic" Automatic Water Valves), Cleveland, Ohio
Evans Mfg. Co. (Ltd.), Butler, Pa.
Everlasting Valve Co., 2 Rector, New York
Eynon-Evans Mfg. Co., N 15th & Clearfield, Philadelphia, Pa.
Fairbanks Co., 416 Broome, New York
Farrell Valve & Specialty Co., Austin bldg, Buffalo, N. Y.
Fewlass-Leen Brass & Iron Co., 610 E. Front, Cincinnati, O.
Fire & Gas Appliance Co., 1906 Wyandotte, Kansas City, Mo.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fisher Governor Co., Marshalltown, Ia.
Ford Thos. P. Co., 407 Broome, New York
Foster Engineering Co. (Automatic), 109 Monroe, Newark, N. J.
French Oil Mill Machy Co., Piqua, O.
Frick & Lindsay (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Gold Car Heating & Lighting Co., 17 Battery pl, New York
Gould Balance Valve Co., Kellogg, Ia.
Hancock Inspirator Co., 119 W 40th, New York
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Harvey's A. Sons Mfg. Co., 28 1st, Detroit, Mich.
Haydenville Co., Haydenville, Mass.
Hills Robt. E., 153 W Kinzie, Chicago, Ill.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Homer Brass Works (Inc.), 231 Race, Phila., Pa.
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Hughson Steam Spec. Co. ("Eclipse"), W 21st & Racine av, Chicago, Ill.
Jarecki Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York
JERGUSON GAGE & VALVE CO. (To Specifications), Mystic av & Fellsway, Somersville, Mass.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Kieley & Mueller, 34 W 13th, New York
Kinsey & Mahler Co. ("K. & M."), Peoria, Ill.
Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.
Knickerbocker Valve, Oneida, N. Y.
KUNKLE VALVE CO., 825 Barr, Fort Wayne, Ind. *See adv index at end of book*
Lead Lined Iron Pipe Co., Wakefield, Mass.
Lippold Valve Co., Erie, Pa.
LOCKE REGULATOR CO., Salem, Mass.
*See adv index at end of book*
Lonergan J. E. Co., 211 Race, Phila., Pa.
Los Angeles Valve & Fittings Co., 2741 Compton, Los Angeles, Cal.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO. (Also for Oil), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McCambridge Co. (Steam), 315 N 20th, Phila., Pa.
McMann Supply Co., 319 Pearl, New York
McNab & Harlin Mfg. Co., 55 John, New York
McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Marsh Valve Co., Erie, Pa.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass
*See adv index at end of book*
Max Machine Co., Clinton, Mass.
Michigan Lubricating Co., 3643 Beaubien, Detroit, Mich.

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**Milwaukee Valve Co., 139 Burrell, Milwaukee, Wis.**
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**National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.**
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Northern Tool Co., Utica, N. Y.
**OHIO BRASS CO.**, Mansfield, O.
*See adv index at end of book*
Ohio Injector Co., Wadsworth, O.
Oil Well Supply Co. (Iron & Brass), 215 Water, Pittsburgh, Pa.
O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.
Paul Andrew G. Co. (Steam Only), 131 State, Boston, Mass.
Perkes Chas. (Est. of ), 623 Arch, Phila., Pa.
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Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
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Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Powell Wm. Co. (& Air), Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P. & C"), Hartford, Conn.
Renessiaer Valve Co., Troy, N. Y.
**Ross Valve Mfg. Co. ("Trojan"), Oakwood av, Troy, N. Y.**
**Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.**
**Simmons John Co., 110 Centre, New York**
*See adv index at end of book*
Smith A. P. Mfg. Co., East Orange, N. J.
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, Ohio
**South Park Foundry & Machine Co., St. Paul, Minn**
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
Stephens, Roe Mfg. Co., 1097 McKinley Detroit, Mich.
Swift Lubricator Co., Elmira, N. Y.
Syracuse Faucet & Valve Co. (No Packing), Eastwood, N. Y.
**Thompson J. & Co., Van Horn & Sophia, Phila., Pa.**
Triumph Valve Mfg. Co., Mansfield, O.
**Utica Valve & Fixture Co., Utica, N. Y.**
Wallraven Co., The (Dealers), 36-38 W Alabama, Atlanta, Ga.
*See adv index at end of book*
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**Watson & McDaniel Co., 146 N 7th, Phila. Pa.**
Watts Regulator Co. ("Watts"), Lawrence, Mass.
**WESTERN GAS CONSTRUCTION CO.**, Fort Wayne, Ind.
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Williams D. T. Valve Co., Cincinnati, O.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Yarnell-Waring Co., ("Caskey-Simplex"), Harrison bldg, Phila., Pa.

## 16255a—Valve Operating Device

For Steam Engines

**FRANKLIN MACHINE CO.** (Brown Valve Gear), Park, Providence, R. I.
*See adv index at end of book*

## 16256— Valve Seats (Ball)

**Cassady Fairbank Mfg. Co., 6126 La Salle**, Chicago, Ill.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
**Hough Chas. N. Mfg. Co. ("Steelex," "Bronzex," for Artesian & Oil Wells), Franklin, Pa.**
Locke Regulator Co. ("Locke"), Salem, Mass. *See adv index at end of book*
**Morency-Van Buren Mfg. Co., Sturgis, Mich.**

## 16257— Valve Stems

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American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Bliss Supply Co., 815 Long av, Cleveland, O.
Boston Forge Co., E. Boston, Mass.
Erie Forge Co., Erie, Pa.
Locke Regulator Co. ("Locke"), Salem, Mass. *See adv index at end of book*
**Steel Products Co., 2206 Clarkwood av, S. E, Cleveland, Ohio**
Union Drop Forge Co. (Drop Forged), 358 W Grand av, Chicago, Ill.
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 16258—Valve Testing Device

**WESTINGHOUSE AIR BRAKE CO.** ("Westinghouse," Portable, Triple), Pittsburgh, Pa.

## 16259— Valves (Accumulator)

Aldrich Pump Co., Allentown, Pa.
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 16260— Valves (Acid)

Aterite M. H. Co., Inc. (Sulphuric), 55 John, New York, & Paterson, N. J.
Cadman A. W. Mfg. Co., 2816 Smallman, Pittsburgh, Pa.
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
**Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.**
Chemical Equipment Co. ("Ceco"), 910 Monadnock blk, Chicago, Ill.
*See adv index at end of book*
**CHEMICAL PUMP & VALVE CO., THE** (Also Valves for Acid), 327 Gifford, Perth Amboy, N. J.


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Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Durion Castings Co. ("Duriorn" Straightway), Dayton, O.
Eastwood Wire Mfg. Co., Belleville, N. J.
Everlasting Valve Co., 2 Rector, New York
Graham Chas. Chemical Pottery Works (Stoneware), 986 Metropolitan av, Brooklyn, N. Y.
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Jenkins Bros., 80 White, New York
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
Konold M. J. Co., Bessemer bldg, Pittsburgh, Pa.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Moore Bros. Co., Elizabeth, N. J.
Pioneer Alloy Products Co., Inc. ("Pioneer"), 16601 Euclid av, Cleveland, O.
Pratt Engineering & Machine Co. (Straight way or Angle), Atlanta, Ga.
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Rensselaer Valve Co., Troy, N. Y.
Robertson Jas. Lead Co., 827 S Howard, Baltimore, Md.
Shaw Benj. F. Co., Wilmington, Del.
Simmons John Co., 110 Centre, New York *See adv index at end of book*
United Lead Co., 111 B'way, New York
United States Stoneware Co. (Glazed Stoneware), Akron, O.
York Mfg. Co., York, Pa.

## 16261— Valves (Acid Egg)

Moore Bros. Co., Elizabeth, N. J.
Robertson Jas. Lead Co., 827 S Howard, Baltimore, Md.

## Valves (Adams)

See Valves, Y

## 16262—Valves (Aiken Operating)

**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**

## 16263— Valves (Air)

Aaball Mfg. Co., 815 Larrabee, Chicago, Ill.
Allen W. D. Mfg. Co. (Automatic for Radiators), 566 W Lake, Chicago, Ill. *See adv index at end of book*
**American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.**
American Pin Co. ("Ampinco"), Waterbury, Conn.
American Radiator Co. ("Norwall"), 802 S Michigan av, Chicago, Ill.
**Bashlin Co., Warren, Pa.**
**Beaton & Cadwell Mfg. Co. ("Gem No. 4," "Wellby Special," "Jumbo," "Water Seal," "Gem," Automatic,** Lockseal, "Perfection," Automatic Vacuum Steam Heating Valves, etc.), New Britain, Conn.
**Belfield H. Co., 435 N Broad, Phila., Pa.**
**Belknap Mfg. Co. (Automatic), Bridgeport, Conn.**
Bishop & Babcock Co. ("Vacustat"), 1204 E 55th, Cleveland, O.
**Buckeye Iron & Brass Works (Radiator),** Dayton, O.
Burlington Brass Works ("Kno-Pack"), Burlington, Wis.
**Cadman A. W. Mfg. Co., 2816 Smallman, Pittsburgh, Pa.**
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Cleveland Pneumatic Tool Co. ("Cleco" Pneumatic, Air Seated), 3734 E 78th, Cleveland, O.
**Coffin Valve Co., Neponset, Boston, Mass.**
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Consolidated Engineering Co. ("Van Auken" Water Seal, Automatic), 507 W Jackson blvd, Chicago, Ill.**
**Crane Co. (Est 1855), 836 S Michigan av,** Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Dunham C. A. Co. (Line), 343 S Dearborn, Chicago, Ill.
**Eddy Valve Co., Waterford, N. Y.**
**Edelmann E. & Co. ("Perfecto," Automatic), 341 E Ohio, Chicago, Ill.**
**Fire & Gas Appliance Co., 1906 Wyandotte, Kansas City, Mo.**
**Foster Engineering Co. (Air Reducing & Relief), 109 Monroe, Newark, N. J.**
**Fulton Co. ("Sylphon" Automatic), Knoxville, Tenn.**
**Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.**
*See adv index at end of book*
**Gold Car Heating & Lighting Co., 17 Battery pl, New York**
**Harlem Mfg. Co. ("Omega," Automatic, etc), 518 W 55th, New York**
**Hoffmann B. Mfg. Co., Milwaukee, Wis.**
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Jenkins Bros. (Jenkins Automatic), 80 White, New York
**Kelly Brass Works (Automatic Steam), 226 W Ontario, Chicago, Ill.**
**Kelly & Jones Co. (Radiator), 135 Water, Pittsburgh, Pa.**
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**Lawler Regulator Co. ("Lawler" Automatic Floatless for Hot Water Radiators), 55 W Houston, New York**
**Leyner J. Geo. Engineering Works Co., Littleton, Colo.**
**Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.**
**LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.**
*See adv index at end of book*
**McRAE & ROBERTS CO., 227 Campbell av, Detroit, Mich.**
*See adv index at end of book*
**MAGEE STEAM SPECIALTY CORPN. CO.**
*See adv index at end of book*
**Marsh James P. & Co. ("Acme," "Paul," "Illinois," "Original," "No. 4 Lock & Shield," "No. 6 Duplex," "Thermodisk"), 118 S Clinton, Chicago, Ill.**
Marshall Foundry Co., 28th & RR, Pittsburgh, Pa.
Mesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv. index at end of book*


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Mueller M. Mfg. Co. (Ammonia Expansion), Decatur, Ill.
Nason Mfg. Co., 71 Fulton, New York
**National Brass Mfg. Co., Rochester, N. Y.**
National Steam Specialty Co. ("National"), 16 S Clinton, Chicago, Ill.
**Norman C. Erwin & Co., 18 W Kinzie,** Chicago, Ill.
Ohio Brass Co. (For Electric Car Sanders), Mansfield, O.
*See adv index at end of book*
**Paul Andrew G. Co. ("Paul"), 131 State,** Boston, Mass.
**Phelps Bros. Co. ("Elmo" & "Crescent"** Automatic Float), 101 Beekman, New York
**POWELL WM. CO.** (Compression, Noiseless Air Tight Dash Pot & Check), Cincinnati, O. *See adv index at end of book*
Rensselaer Valve Co., Troy, N. Y.
Roberts Brass Mfg. Co., 1395 W Fort, Detroit, Mich.
**Russell W. A. & Co. ("Imperial," "Eureka," "Perfect," Automatic), 63 W 37th, New York**
Schrader's A. Sons Inc. ("Schrader's Universal"), Brooklyn, N. Y.
**Simmons John Co. (For Radiators), 110** Centre, New York
*See adv index at end of book*
**Simplex Valve & Meter Co. (Automatic), 110 N Broad, Phila., Pa.**
**Smith H. B. Co. ("Breckenridge" Automatic), Westfield, Mass.**
Smolensky M. Mfg. Co., Jasper av & Ridge rd, N. W., Cleveland, O.
**Sterling & Skinner Mfg. Co. (Radiator Air) 2672 E Grand blvd, Detroit, Mich.**
**Tagliabue C. J. Mfg. Co. (Air Reducing), 18 33d, B'klyn, N. Y.**
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**
**Thompson J. & Co. (Poppet), Van Horn & Sophia, Phila., Pa.**
**Triumph Ice Machine Co. (Automatic), Oakley, Cincinnati, O.**
**Universal Valve Co. ("Kno-Pal), Burlington, Wis.**
**Walworth Mfg. Co., Boston, Mass.**
Watson & McDaniel Co., 146 N 7th, Philadelphia, Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
**Wood R. D. & Co., 400 Chestnut, Philadelphia, Pa.**
**Whitcomb Geo. D. Co., Rochelle, Ill.**
Yarnall-Waring Co. (High Pressure, "Caskey Simplex"), Harrison bldg, Philadelphia, Pa.

## 16264— Valves (Air Discharge Pressed Steel)

**Pressed Steel Tank Co. (For Blowing Engines & Compressors), 58th & Greenfield av, Milwaukee, Wis.**

## 16265—Valves (Air, for Coal Mines)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Frick & Lindsay Co., Sandusky, & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
**LUNKENHEIMER CO., Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.**
*See adv index at end of book*

## 16266—Valves (Air Regulating)

Colonial Supply Co., 217 Water, Pittsburgh, *See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Johnson Service Co. ("Johnson"), 149 Michigan, Milwaukee, Wis.
**MASON REGULATOR CO.** ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
**Production Engng. Co. (For Blast Pipes for Cupolas), 1716 Spring Garden, Phila., Pa.**
**Strong, Carlisle & Hammond Co., 336** Frankfort av N W, Cleveland, O.
**WINCHELL H. C.**, 20 East Jackson blvd, Chicago, Ill.

## 16267—Valves (Altitude Controlling)

**Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.**
McAlear Mfg. Co., 190 So. Western av, Chicago, Ill.
**Simplex Valve & Meter Co. (For Controlling the Level of Water in Reservoirs, Stand Pipes & Railroad Tanks), 110 N Broad, Phila., Pa.**

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**American Valve Co., Coxsackie, N. Y.**
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
**Baker Ice Machine Co., Omaha, Neb.**
Brunswick Refrigerating Co., New Brunswick, N. J.
**Cash A. W. Co. (Expansion), Decatur, Ill.**
*See adv index at end of book*
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Columbus Iron Works (Globe & Angle), Columbus, Ga.**
**Crane Co. (Est. 1855), 836 S Michigan av,** Chicago
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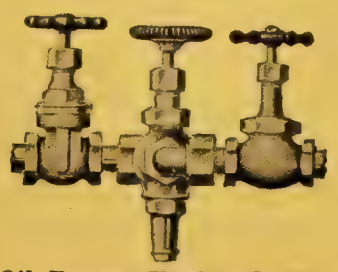

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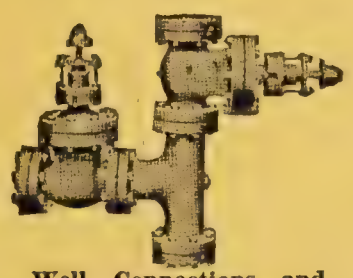

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Ice & Cold Machine Co., 3002 N B'way, St. Louis, Mo.
Jenkins Bros., 80 White, New York
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
Kennedy Valve Mfg. Co., Elmira, N. Y. *See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
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Star Brass Mfg. Co. ("Quincy Market"), 53 Oliver, Boston, Mass.
**Triumph Ice Machine Co., Oakley, Cincinnati, O.**
York Mfg. Co., York, Pa.

## Valves (Angle)

**See Valves, Globe & Angle**

## 16269—Valves (Anti-Freezing)

**Zero Valve & Brass Mfg. Co., Buffalo, N. Y.**

## 16270—Valves (Asbestos Packed)

**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
Fairbanks Co., 416 Broome, New York
**Pratt & Cady Co. ("P. & C."), Hartford, Conn.**

## Valves (Automatic Air)

**See Valves, Air**

## 16271—Valves (Automatic Drip)

Locke Regulator Co. ("Locke"), Salem, Mass. *See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.

## 16272—Valves (Back Pressure)

**Acton John, 118 John, Brooklyn, N. Y.**
**American District Steam Co., North Tonawanda, N. Y.**
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**Atwood & Morrill ("XX" Century), 48 Loring av, Salem, Mass.**
**Buckeye Iron & Brass Works, Dayton, O.**
**Burrows Mfg. Co., York, Pa.**
**Coldwell-Wilcox Co., Newburgh, N. Y.**
**Consolidated Engineering Co. ("Van Auken"), 507 W Jackson blvd, Chicago, Ill.**
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
***For branch offices see Alphabetical Section***
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Davis G. M. Regulator Co., 434 Milwaukee av, Chicago, Ill.
Everlasting Valve Co., 2 Rector, New York
**Fairbanks Co., 416 Broome, New York**
Fisher Governor Co., Marshalltown, Ia.
**Foster Engineering Co. (For Heating Systems), 109 Monroe, Newark, N. J.**
Garrett W. D. & Co., 126 Liberty, New York
**GRISCOM-RUSSELL CO.,** 92 West, New York *See adv index at end of book*
Harrison Safety Boiler Works ("Cochrane" Multiport), 3147 N 17th, Phila., Pa.
Hennebohle Frank, 81st & S Chicago av, South Chicago, Ill.
***See adv index at end of book***
Hoffman B. Mfg. Co. ("Hoffman"), 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
**Hussey, McCann & Co., 87 Warren, New York**
Illinois Engineering Co. ("Eclipse") W 21st & S Racine avs, Chicago, Ill.
**Jenkins Bros. ("Excelsior"), 80 White, New York**
Keeble Alex. K., Lawrence, Mass.
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
**Kieley & Mueller, 34 W 13th, New York**
Klipfel Mfg. Co. ("K. & T."), 2651 W. Harrison, Chicago, Ill.
Konold M. J. Co., Bessemer bldg, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
**Locke Regulator Co., Salem, Mass.** *See adv index at end of book*
**LUNKENHEIMER CO.** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
McAlear Mfg. Co., 1901 So Western av, Chicago, Ill.
Nason Mfg. Co., 71 Fulton, New York
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
**Pratt & Cady Co., Hartford, Conn.**
Ruggles-Klingeman Mfg. Co. ("R.-K."), Salem, Mass.
**Schutte & Koerting Co., 1251 N 12th, Phila., Pa.**
**Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.**
Stephens Roe Mfg. Co. ("Scott"), 1097 McKinley, Detroit, Mich.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Worthington Pump & Machy. Corp., 115 Broadway, New York
***See adv index at end of book***

## 16273— Valves (Back Water & Sewer Gas)

Advance Mfg. Co. ("Palmer"), Erie, Pa.
Barrett Jas. Mfg. Co., ("Barrett," "O. D."), 117 Pearl, Boston, Mass.
**Edwardsville Brass Co., Edwardsville, Ill.**
**Fairbanks Co., 416 Broome, New York**
**Glenn Fred. E. ("Glenn" Combination Floor Drain & Back Water Valve), St. Charles, Ill.**
**Kennedy Valve Mfg. Co. ("Pennie"), Elmira, N. Y.** *See adv index at end of book*
Wade Iron Sanitary Mfg. Co., 551 Fulton, Chicago, Ill.
Wolverine Brass Works, Grand Rapids, Mich.

## 16274— Valves (Balance)

**Acton John, 118 John, Brooklyn, N. Y.**
**American Balance Valve Co. ("American" Balanced Regulating), 131 S 31st, Phila,. Pa.**
**American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.**
Atwood & Morrill (Lever), 48 Loring av, Salem, Mass.
**Baker Valve Co. ("Baker" Balanced Piston), 1855 E 28th, Minneapolis, Minn.**
**Belfield H. Co., 435 N Broad, Phila., Pa.**
**Bridgman Bros. Co. ("Quick Opening" Balanced Regulating), 131 S 31st, Phila., Pa.**
**Buckeye Iron & Brass Works, Dayton, O.**
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago Ill.**
***For branch offices see Alphabetical Section***
Davis G. M. Regulator Co. (Steam, Air & Water), 434 Milwaukee av, Chicago, Ill.
**Engineers' Appliance Co. ("Hydromatic"), Cleveland, O.**
Foster Engineering Co. (Lever), 109 Monroe, Newark, N. J.
**Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.**
Gould Balance Valve Co., Kellogg, Ia.
Hammett H. G. ("Richardson" & "Allen-Richardson" Slide Locomotive), Troy, N. Y.
Harris Arthur & Co., 212 N Curtis, Chicago, Ill. *See adv index at end of book*
Hennebohle Frank, 81st & So Chicago av, South Chicago, Ill.
*See adv index at end of book*
**Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O.**
*See adv index at end of book*
**Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.**
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Locke Regulator Co., Salem, Mass.
*See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**McNab & Harlin Mfg. Co., 55 John, New York**
**MASON REGULATOR CO.** ("Mason"), 1192 Adams, Boston, Mass.
***See adv index at end of book***
Nason Mfg. Co. (Balance & Quick Opening), 71 Fulton, New York
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
**Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.**
Ruggles-Klingemann Mfg. Co. ("R-K") (For Steam or Float Tank Service), Salem, Mass.
**Schutte & Koerting Co., 1251 N 12th, Phila., Pa.**
**Spencer Regulator Co. ("Spencer"), Salem, Mass.**
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
**Waters Governor Co., 141 Milk, Boston, Mass.**
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 16274a—Valves (Balanced Float)

"S-C" Regulator Mfg. Co., Fostoria, O.

## 16275—Valves (Balanced Lever)

d'Este Julian Co., 24 Canal, Boston, Mass.
*See adv index at end of book*
**LUNKENHEIMER CO.** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.**
*See adv index at end of book*
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**

## 16276— Valves (Ball)

**American Ball Valve & Mfg. Co., 578-80 Franklin, Detroit, Mich.**
**Chicago Well Supply Co. (Bronze), 232 W Ontario, Chicago, Ill.**
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
**Draper Mfg. Co., Port Huron, Mich.**
Fairbanks Co. ("Sphero"), 416 Broome, New York
**LUNKENHEIMER CO.** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**Williams D. T. Valve Co., Cincinnati, O.**

## 16277—Valves (Ball Stock)

**Ticonderoga Machine Works, Ticonderoga, N. Y.**

## 16278— Valves (Bell End)

Fairbanks Co., 416 Broome, New York
Jenkins Bros., 80 White, New York
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**

## 16279—Valves (Bicycle Tire)

See also Valves, Motor Tire

Schrader's A. Son, Inc. ("Schrader Universal" Pneumatic), Brooklyn, N. Y.

## 16280—Valves (Blast Furnace)

Amsler Morton Co., Farmers Bank bldg., Pittsburgh, Pa.
**Amsler Walter O., Wabash bldg, Pittsburgh, Pa.**
**Hartman Co., 1231 N Front, Phila., Pa.**
Kennedy Valve Mfg. Co., Elmira, N. Y.
***See adv index at end of book***
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**

## 16281— Valves (Blast & Gas)

**American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.**
**Chapman Valve Mfg. Co., ("Chapman") Indian Orchard, Mass.**
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Connersville Blower Co., Connersville, Ind.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
***For branch offices see Alphabetical Section***
Fairbanks Co., 416 Broome, New York
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Kennedy Valve Mfg. Co., Elmira, N. Y.
***See adv index at end of book***
Marshall Foundry Co. (Gas), 28th & R R, Pittsburgh, Pa.
Miller W. R. Co. (Gas), House bldg, Pittsburgh, Pa.

VALVES (BLAST & GAS)—continued

Morgan Construction Co. (Dyblie, Reversing Valves for Gas & Air), Worcester, Mass.
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**
Pratt & Cady Co. ("P. & C." Gas), Hartford, Conn.
**Roots P. H. & F. M. Co., Connersville, Ind.**
Smith Gas Engng. Co. ("Smith"), Dayton, Ohio
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**
**Weimer Machine Works Co., Lebanon, Pa.**
**WESTERN GAS CONSTRUCTION CO.** (Gas), Ft. Wayne, Ind.
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 16282— Valves (Bleeder)

**Harrison Safety Boiler Works, 3147 N** 17th, Phila., Pa.

## 16282a—Valves (Block Tinned, Brass & Iron)

**Marsh Valve Co., Erie, Pa.**
Nason Mfg. Co., 71 Fulton, New York

## 16283— Valves (Blow-off)

Acton John, 118 John, Brooklyn, N. Y.
American Foundry & Const. Co., 2nd av & **Longworth, Pittsburgh, Pa.**
**Baker** Mfg. Corp. ("Baker & Shevlin"), Saratoga Springs, **N.** Y.
**Bashlin** Co., Warren, **Pa.**
**Bordo** L. J. Co. (For Locomotives, also Blower), 12th & Thompson, Phila., Pa.
**Buckeye** Iron & Brass Works (Brass & Iron Wuy, etc), Dayton, O.
**Cadman** A. W. Mfg. Co. ("Indestructible" High Pressure, etc.), 2816 Smallman, Pittsburgh, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
**Coale** Muffler & Safety Valve Co., 325 E. Oliver, Baltimore, Md.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Crane** Co. (Est. 1855), 836 S Michigan av. Chicago, Ill.
***For branch offices see Alphabetical Section***
**Crosby** Steam Gage & Valve Co. ("Johnstone"), 40 Central, Boston, Mass.
*See adv index at end of book*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
**De** Zouche, Hanson & Co. ("R. C."), 14 N 5th, Phila., Pa.
**Douds** Frank C. & Co. ("Douds"), New Castle, Pa.
Eastwood Wire Mfg. Co. (For Digesters, etc), Belleville, N. J.
**EDWARD VALVE & MFG. CO.** ("Edward"), 72 W Adams, Chicago, Ill.
Elliott B. K. Co. ("Faber"), 126 6th, Pittsburgh, Pa. *See adv index at end of book*
**Everlasting** Valve Co., 2 Rector, New York
**Eynon**-Evans Mfg. Co., N 15th & Clearfield, Phila., Pa.
Fairbanks Co. ("Sphero"), 416 Broome, New York
Fire & Gas Appliance Co., 1906 Wyandotte, Kansas City, Mo.
**Fowden** Wm. T. ("Security"), Chester, Pa.
**FRICK & LINDSAY CO.** (Schiller Seatless, Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Hancock Inspirator Co., 119 W 40th, New York
Haydenville Co. (Brass & Iron), Haydenville, Mass.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Homestead Valve Mfg. Co., ("Homestead"), Pa.
Illinois Engineering Co., W 21st & Racine avs, Chicago, Ill.
**Jenkins** Bros. (Y or Blow-Off), 80 White, New York
Kelly & Jones Co. ("Y," & "Myers" Pattern), 135 Water, Pittsburgh, Pa.
**Konold** M. J. Co. (Locomotive), Bessemer bldg, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**Ludlow** Valve Mfg. Co., ft. of Adams, Troy, N. Y.
**LUNKENHEIMER CO.** ("Duro," "Renewo" Locomotive, Angle & Straightway), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Lytton Mfg. Corp. ("Lytton"), Franklin, Va.
McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Nason Mfg. Co., 71 Fulton, New York
National Supply Co. ("Shaw"), Toledo, O.
**Neenah** Brass Works, Neenah, Wis.
Newhall Geo. M. Engineering Co. ("Vance" Compound), Commercial Trust bldg, Philadelphia, Pa.
O'Malley-Beare Valve Co. ("Multiplate" for Locomotive & Stationary Plants), **Railway Exchange bldg, Chicago, Ill.**
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Powell Wm. Co. ("Cyclone," "White Star," "Powell" & Y), Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Richardson-Phenix Co. ("R. P. Nokut"), Milwaukee, Wis.
**Robertson** Jno. F. Co. ("Robertson"), Park bldg, Pittsburgh, Pa.
Sargent Co. ("E. S. E." for Locomotives), 625 N Jackson blvd, Chicago, Ill.
Schiller Jos. F. ("Nolan"), 316 S Lawrence, Philadelphia, Pa.
Schiller, Nolan & Co. ("Nolan"), Darien & Wood, Phila., Pa.
Scully Steel & Iron Co. ("Everlasting"), **2364 S Ashland av, Chicago, Ill.**
Shevlin Geo. F. Mfg. Co. ("Baker & Shevlin"), Saratoga Springs, N. Y.
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
Talmage Mfg. Co., 279 W 3d, Cleveland, O.
Vance-Vetter Co., Phipps Power bldg., Pittsburgh, Pa.
Watson & McDaniel Co. ("W. & McD.," Straightway), 146 N 7th, Phila., Pa.
Wickes Boiler Co., Saginaw, Mich.
Williams D. T. Valve Co., Cincinnati, O.
Wiltbonco Mfg. Co. ("Freeport"), 24 Porter, Boston, Mass.
Yarnall-Waring Co. (& "Simplex" Seatless), Harrison bldg, Phila., Pa.

## 16284—Valves (Boiler Feed)

**American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.**
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Edward Valve & Mfg. Co. ("Edward" Boiler Feed Pump), Edison bldg, Chicago, Ill.
Engineers Appliance Co. ("Hydromatic"), Cleveland, O.
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Jenkins Bros., 80 White, New York
Locke Regulator Co., Salem, Mass.
*See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. ***See adv index at end of book***
New Bedford Valve Mfg. Co., New Bedford, Mass.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Williams D. T. Valve Co., Cincinnati, O.

## 16285— Valves (Boiler Stop)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
**Golden-Anderson Valve Specialty Co.** ("Anderson"), Fulton bldg, **Pittsburgh, Pa.**
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Jenkins Bros. (Jenkins Automatic Equalizing Stop & Check), 80 White, New York
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
New Bedford Valve Mfg. Co. (& Reverse Current), New Bedford, Mass.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
**Powell** Wm. Co. ("Powell White Star" Automatic Non-Return Regulator), Cincinnati, O.
*See adv index at end of book*
Williams D. T. Valve Co., Cincinnati, O.

## 16286— Valves (Butterfly)

**American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.**
Buckeye Iron & Brass Works, Dayton, O.
Coldwell-Wilcox Co., Newburgh, N. Y.
**Crane** Co. (Est. 1855) (Brass & Iron), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Improved Appliance Co., 413 Kent av, Brooklyn, N. Y.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
Marshall Foundry Co., 28th & R R, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. Ry., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Powell Wm. Co. ("Powell" Brass & Iron), Cincinnati, O.
*See adv index at end of book*
Schutte & Koerting Co. ("Schutte" Engine, Stops, etc), 1251 N 12th, Philadelphia, Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

## 16287— Valves (By-Pass)

Darling Valve & Mfg. Co., Williamsport, Pa.
Fairbanks Co., 416 Broome, New York
Ford Thos. P. Co., 407 Broome, New York
**GRISCOM-RUSSELL CO.** (High Pressure), 92 West, New York
*See adv index at end of book*
Jenkins Bros., 80 White, New York
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Lloyd Construction Co. ("Lloyd"), Detroit, Mich.
**LUNKENHEIMER CO.** ("Victor"). Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C"), Hartford, Conn.

## 16288—Valves (Carbonic Acid Gas)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York

## 16289— Valves (Cask)

Deckebach F. C. Sons Co., 123 W Court, Cincinnati, O.

## 16290— Valves (Check)

Acton Jno. (Boiler Antomatic Stop & Triple Duty), 118 John, Brooklyn, N. Y.
Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
American Steam Gauge & Valve Mfg. Co., (Hydraulic), 208 Camden, Boston, Mass.
American Valve Co. (Swing), Coxsackie, N. Y.

**Aterite M. H. Co., Inc. (For Sulphuric Acid), 55 John, New York**
Bashlin Co., Warren, Pa.
**Belfield H. Co., 435 N Broad, Phila., Pa.**
*For branch offices see Alphabetical Section*
Breeze Carbureter Co, 250 South, Newark, N. J.
Buckeye Iron & Brass Works (Iron & Brass Body), Dayton, O.
**BURROUGHS CHARLES COMPANY** (Hydraulic), Newark, N. J.
*See adv index at end of book*
**Chambersburg Engng Co., (Hydraulic)** Chambersburg, Pa.
**Chapman Valve Mfg. Co., ("Chapman") Indian Orchard, Mass.**
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crane Co., Bridgeport, Conn.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Davis G. M. Regulator Co. (Auto), 434 Milwaukee, av, Chicago, Ill.
Decatur Pump & Mfg. Co., Decatur, Ill.
Detroit Brass Works, 331 Holden, Detroit, Mich.
**Draper Mfg. Co. (Ball Check), Port Huron, Mich.**
**Eastwood Wire Mfg. Co. (Regrinding), Belleville, N. J.**
Eddy Valve Co., Waterford, N. Y.
**Edward Valve & Mfg. Co. ("Edward" Vertical & Horizontal), Edison bldg, Chicago, Ill.**
Evans Mfg. Co. (Ltd.), Butler, Pa.
**Eynon-Evans Mfg. Co. (Extra Heavy), N 15th & Clearfield, Phila., Pa.**
Fairbanks Co., 416 Broome, New York
**Fewlass-Leen Brass & Iron Co, 610 E** Front, Cincinnati, O.
Flower Stephen Mfg. Co., 201 Clayton, Detroit, Mich.
**Foster Engineering Co. (Automatic Non-Return Stop), 109 Monroe, Newark, N. J.**
**French Oil Mill Machinery Co., Piqua, O.**
**General Ceramics Co. (Stoneware), 50** Church, New York
**General Fire Extinguisher Co. (Iron Body), Providence, R. I.**
Golden-Anderson Valve Specialty Co., Fulton, bldg, Pittsburgh, Pa.
Hall Mfg. Co., Harrison, N. J.
**Hancock Inspirator Co. (Swing), 119 W 40th, New York**
**Haydenville Co. (Brasss & Iron Body), Haydenville, Mass.**
Hays Mfg. Co., Erie, Pa.
Hennebohle Frank (Automatic), 81st & S Chicago av, So. Chicago, Ill.
*See adv index at end of book*
Hinman D. A. & Co. ("Enterprise," "Horizontal"), Sandwich, Ill.
**Hoffman B. Mfg. Co. (Brass & Iron), 257 6th, Milwaukee, Wis.**
Hoffmann & Billings Mfg. Co., 100 2d, **Milwaukee, Wis.**
Homer Brass Works (Inc.), 231 Race Phila., Pa.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, Ohio
*See adv index at end of book*
Jenkins Bros., 80 White, New York
Kelly & Jones Co. (Brass, Iron Body, **etc), 135 Water, Pittsburgh, Pa.**
Kennedy Valve Mfg. Co. ("Swinging"), Elmira, N. Y. *See adv index at end of book*
Kinsey & Mahler Co. ("K. & M."), Peoria, Ill
Lagonda Mfg. Co. (Automatic Cutoff), Springfield, O.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Locke Regulator Co., Salem, Mass.
*See adv index at end of book*
Lonergan J. E. Co., 211 Race, Phila., Pa.
Long Grate Bar Co ("Geiser," Automatic Water Gauge), Buffalo, N. Y.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
**LUNKENHEIMER CO.** ("Renewo" Ball & Swing). Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McAlear Mfg. Co., 1901 So. Western av, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
**McNab & Harlin Mfg. Co., 55 John, New York**
Mark Mfg Co., Evanston, Ill.
Max Machine Co. ("K-V"), Clinton, Mass.
Milwaukee Valve Co. ("M"), 139 Burrell, Milwaukee. Wis.
Monarch Valve Co. ("Monarch"), 112 Front, Brooklyn, N. Y.
Mueller H. Mfg. Co. (Non-Foulding Turbine), Decatur, Ill.
Nason Mfg. Co., 71 Fulton, New York
National Brass Mfg. Co. (Swing Check), Rochester, N. Y.
Neenah Brass Works, Neenah, Wis.
Nelson Valve Co. (Horizontal Cup, Vertical, Swing & Cushioned Stop & Check & Horintal Check), Harrison bldg., Philadelphia, Pa.
Ohio Brass Co. ("O-B" Bronze), Mansfield, O. *See adv index at end of book*
Ohio Injector Co. ("O. I. Co."), Wadsworth, O.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
O'Malley-Beare Valve Co. (Multiplate), Railway Exchange bldg, Chicago, Ill.
Peck Bros. & Co., New Haven, Conn.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. & V. R. R., Pittsburgh, Pa.
**POWELL WM. CO.** ("Powell White Star," "Crescent" & "Star" Horizontal Angle, Swing Ball, Vertical, etc), Cincinnati, O. *See adv index at end of book*
Pratt & Cady Co. ("P. & C"), Hartford, Conn.
Rensselaer Valve Co. (Horizontal), Troy, N. Y.
Richardson-Phenix Co. ("R. P. Nokut"), 131 2d, Milwaukee, Wis.
Robertson Jno. F. Co. ("Robertson" Noiseless), Park bldg, Pittsburgh, Pa.
Ruggles-Klingemann Mfg. Co. (Reverse Floor Bleeder), ("R-K"), Salem, Mass.
Schutte & Koerting Co. ("Schutte" Automatic Emergency Stop Check), 1251 N 12th, Phila., Pa.
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
Stephens Roe Mfg. Co. ("Flower," "Scott," "Rouse"), 1097 McKinley, Detroit, Mich.
Thompson J. & Co., Van Horn & Sophia, Phila., Pa.
**Walworth Mfg. Co., Boston, Mass.**
Watts Regulator Co. ("Watts"), Lawrence, Mass.
**Williams D. T. Valve Co., Cincinnati, O.**
Williams Wm. E. ("Wew"), 62 Front, New York
**Wood R. D. & Co., 400 Chestnut, Phila., Pa.**
**Worthington Pump & Machy. Corp., 115** B'way, New York
*See adv index at end of book*

## 16291— Valves (Chimney)

Amsler Morton Co., Farmers Bank bldg, Pittsburgh, Pa.
**Hartman Co. (For Blast Furnace), 1231 N Front, Phila., Pa.**

## 16292—Valves (Chronometer)

Garrett W. D. & Co., 126 Liberty, New York
**Kelly & Jones Co. ("Empire" Automatic), 135 Water, Pittsburgh, Pa.**
McAlear Mfg. Co., 1901 So Western av, Chicago, Ill.
Ruggles-Klingemann Mfg. Co. (Variable Opening) ("R-K"), Salem, Mass.
**Union Water Meter Co. (For Water, Steam, Gas & Pump Regulation), Worcester, Mass.**

## Valves (Closet Flushing)

See Valves, Flushing

## Valves (Coke Oven)

See Valves, Gas & Coke Oven

## 16292a—Valves (Combined Trip & Throttle)

Coldwell Wilcox Co., Newburgh, N. Y.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 16293—Valves (Conductors')

Driscoll Wire Co., Shelton, Conn.
**WESTINGHOUSE AIR BRAKE CO., Pittsburgh, Pa.**

## 16294— Valves (Corner)

**Buckeye Iron & Brass Wks. (With or Without Jenkins Disc), Dayton, O.**
Fairbanks Co., 416 Broome, New York
Jenkins Bros., 80 White, New York
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Marsh Valve Co., Erie, Pa.

## 16295— Valves (Critchlow)

**American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.**
**MORGAN ENGINEERING CO.,** Alliance, O. *See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co. (Operating), 26th & A. V. R. R., Pittsburgh, Pa.

## 16296— Valves (Cross)

**Buckeye Iron & Brass Works (Regrinding Cross, Crosshead, Pump, etc), Dayton, Ohio**
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Fairbanks Co., 416 Broome, New York
**Hancock Inspirator Co., 119 W 40th, New York**
Hoffmann B. Mfg. Co. (Iron Body), 257 6th, Milwaukee, Wis.
Jenkins Bros., 80 White, New York
**Kelly & Jones Co. ("Excelsior," Regrinding) 135 Water, Pittsburgh, Pa.**
**LUNKENHEIMER CO.** ("Renewo," "Ferrenewo"). Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**McNab & Harlin Mfg. Co. (Brass & Iron), 55 John, New York**
**Milwaukee Valve Co. ("M," Brass), 139 Burrell, Milwaukee, Wis.**
O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg., Chicago, Ill.
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**
**Powell Wm. Co. ("Powell White Star," "Model Star" & "Crescent"), Cincinnati, O.** *See adv index at end of book*
**Pratt & Cady Co. ("P & C"), Hartford, Conn.**
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
Williams Wm. E. ("Wew"), 62 Front, New York

## 16297— Valves (Cut-off)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Lagonda Mfg. Co. ("Weinland" Automatic), Springfield, O.
**LUNKENHEIMER CO.** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**OVEN EQUIPMENT & MFG. CO.** (Automatic for Gas Burners), New Haven, Conn. *See adv index at end of book*
**Powell Wm. Co., Cincinnati, O.**
*See adv. index at end of book*

## 16298—Valves (Cylinder Operated)

Coldwell-Wilcox Co., Newburgh, N. Y.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.** ("Victor"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co. ("Stuart" Two Pressure), 26th & A. V. R. R., Pittsburgh, Pa.

## 16299—Valves (Diaphragm Reducing)

**Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.**
*See adv index at end of book*
**Ross Valve Mfg. Co., 9 Oakwood av, Troy, N. Y.** *See adv index at end of book*
Watson & McDaniel Co. ("Watson"), 148 N 7th, Phila., Pa.

## 16299a— Valves (Electric Trip Throttle)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 16300—Valves (Electrically Operated)

**Chapman Valve Mfg. Co., ("Chapman") Indian Orchard, Mass.**
Coldwell-Wilcox Co., Newburgh, N. Y.
Engineers' Appliance Co. ("Hydromatic"), Cleveland, O.
Gold Car Heating & Lighting Co., 17 Battery pl, New York
Jenkins Bros., 80 White, New York
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Locke Regulator Co. ("Locke" Engine), Salem, Mass. *See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
Lunkenheimer Co., Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Nelson Valve Co., Harrison bldg., Philadelphia, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
**Rensselaer Valve Co., Troy, N. Y.**

## 16301—Valves (Emergency)

**Engineers' Appliance Co. ("Hydromatic"), Cleveland, O.**
**Fire & Gas Appliance Co., 1906 Wyandotte, Kansas City, Mo.**
Foster Engineering Co. (Boiler Safety Stop Combination or 4 Duty), 109 Monroe, Newark, N. J.
Garrett W. D. & Co. (Boiler Shut-Off), 126 Liberty, New York
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**National Brake & Electric Co. (And Variable Release, "National" for Electric Cars), ft. Belleview pl, Milwaukee, Wis.**
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**

## 16302-3—Valves (Engine & Tank)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Handlan-Buck Mfg. Co. ("Cotter's"), 210-14 N. 3d, St. Louis, Mo.**
**Hoffmann B. Mfg. Co. (Three-Way Engine), 257 6th, Milwaukee, Wis.**
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 16304— Valves (Exhaust)

**Baker Ice Machine Co. (Automatic), Omaha, Neb.**
**Barco Brass & Joint Co. (Automobile), 212 W Illinois, Chicago, Ill.**
**Chapman Valve Mfg. Co., ("Chapman") Indian Orchard, Mass.**
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
Davis G. M. Regulator Co., 434 Milwaukee av, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
**Ford-Clark Co., 3125 Perkins av, Cleveland, O.**
**Foster Engineering Co. (Free Exhaust), 109 Monroe, Newark, N. J.**
Harrison Safety Boiler Works, 3147 N 17th, Phila., Pa.
Mead-Morrison Mfg. Co. ("Three-Way"), cor Prescott & Orleans, East Boston, Mass.
Nelson Valve Co., Harrison bldg., Philadelphia, Pa.
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**
**Pratt & Cady Co. ("P & C"), Hartford, Conn.**
**Schutte & Koerting Co. ("Schutte" Marine Free Exhaust), 1251 N 12th, Phila., Pa.**

## 16305-6— Valves (Fibre)

See also Fibre Manufacturers, Hard

American Vulcanized Fibre Co. (Vulcanized), 504 Equitable bldg, Wilmington, Del.
**Brandywine Fibre Products Co. ("Davis"), East Wilmington, Del.**
Continental Fibre Co. (Vulcanized Fibre), Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO., Wilmington, Del. Works: Marshalltown, Del.** *See adv index at end of book*
Diamond State Fibre Co., Bridgeport, Pa.
Spaulding J. & Sons Co. Inc. (Hard Fibre), P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*
**Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.**
**WILMINGTON FIBRE SPECIALTY CO. (Vulcanized), Wilmington, Del.**
*See adv index at end of book*

## 16307— Valves (Flap)

Coldwell-Wilcox Co., Newburgh, N. Y.
Columbian Iron Works ("Columbian), Chattanooga, Tenn.
Ludlow Valve Mfg. Co. (For Sewers), ft. of Adams, Troy, N. Y.

## 16308— Valves (Float)

**American Steam Gauge & Valve Mfg. Co. ("American Ideal" Automatic), 208 Camden, Boston, Mass.**
Beaton & Cadwell Mfg. Co. ("Gem No. 4," "Welby Special," "Jumbo," "Perfection"), New Britain, Conn.
**Bushnell Tank Works, Bushnell, Ill.**
Butler Co., Butler, Ind.
Caldwell W. E. Co., Louisville, Ky.
Commonwealth Brass Works (Gasoline), 625 Commonwealth, Detroit, Mich.
Davis G. M. Regulator Co. ("Davis"), 434 Milwaukee av, Chicago, Ill.
**Detroit Metal Spinning Co., 197 Monroe av, Detroit, Mich.**
**Eddy Valve Co. (Automatic Balance), Waterford, N. Y.**
**Engineers' Appliance Co. ("Hydromatic"), Cleveland, O.**
Fairbanks Co., 416 Broome, New York
**Flint & Walling Mfg. Co. "Hoosier" (For Tanks), Kendallville, Ind.**
**Foster Engineering Co. (Auxiliary & Direct Acting Type), 109 Monroe, Newark, N. J.**
**Freshour Henry C. ("F. F. V."), Bridgeport, Conn.**
**Golden-Anderson Valve Specialty Co. ("Anderson" Automatic), Fulton bldg, Pittsburgh, Pa.**
**Hayes Pump & Planter Co. ("The Enterprise"), Galva, Ill.**
Hinman D. A. & Co. ("Enterprise" Railroad & Tank), Sandwich, Ill.
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Illinois Engineering Co. ("Eclipse"), W 21st & Racine aves, Chicago, Ill.
**Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.**
Larkin J. K. & Co., 34 Reade New York
*See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
McAlear Mfg. Co. (For Cold or Hot Water), 1901 So. Western av, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
McMann James R. Co., 56 Gold, New York
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Modern Iron Wks., Quincy, Ill.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**
Ruggles-Klingemann Mfg. Co. (For Tank Service) ("R-K"), Salem, Mass.
Scheve Mfg. Co., 2528 N American, Phila., Pa.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Western Mfg. Co. ("Iowa"), Oskaloosa, Ia.

## 16309— Valves (Flushing)

**ACHESON MFG. CO.** (Syphon), Rankin, Pa. *See adv index at end of book*
American Pin Co. (Syphon), Waterbury, Conn.
**Boston Brass Co., ("B. B.") 135 Bacon Waltham, Mass.**
*See adv index at end of book*
**Cleveland Flush Meter Co. ("Cleveland" Push Button & Lever Action Flush Meter), 118 Noble ct., Cleveland, O.**
**Columbus Brass Co., 538 Dublin av, Columbus, O.** *See adv index at end of book*
Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
**Dececo Co. ("Carson," "N-B," "D-C"), 157 High, Boston, Mass.**
Detroit Plumbing Supply Co., 617 Mack av, Detroit, Mich.
**Edwardsville Brass Co., Edwardsville, Ill.**
Eichman J. C. Mfg. Co., Bush & Wicomico, Baltimore, Md.
**Engineers' Appliance Co. ("Hydromatic"), Cleveland, O.**
**Excelovalve Co. ("Excel-O-Valve"), 1777 Broadway, New York**
**Exeter Brass Works ("N. H."), Exeter, N. H.**
**Federal-Huber Co., 234 N Halsted, Chicago, Ill.**
**Flushovalve Co. ("Flush-O-Valve"), 245 Centre, New York**
Frost Mfg. Co. ("Frost" Low-Down Closet, etc), Kenosha, Wis.
Gaylord Sanitary Mfg. Co., El Dorado, Kans.
Haas Philip Co. ("Haas"), Dayton, O.
**Haines, Jones & Cadbury Co., 1136 Ridge av, Philadelphia, Pa.**
**Haydenville Co., Haydenville, Mass.**
**Heap Wm. & Sons (Syphon), Grand Haven, Mich.**
Hinman D. A. & Co. ("Enterprise"), Sandwich, Ill.
**Homer Brass Works, 231 Race, Phila., Pa.**
**Humphryes Mfg. Co., Mansfield, O.**
Imperial Brass Mfg. Co. ("Watrous"), 524 S. Racine av, Chicago, Ill.
*See adv index at end of book*
Jenkins Mfg. Co. ("Novio"), Bloomfield, N. J.
**Lutz Ferdinand, 555 W Broadway, New York**
McCambridge Co., 315 N. 20th, Philadelphia, Pa.
**McDonald A. Y. Mfg. Co., Dubuque, Ia.**
McShane Bell Foundry Co., ("Rob") Harford av & B. & O. R. R., Baltimore, Md.
**Miller Chas. A. Co. (Low-Down Closet), Sturgis, Mich.**
**Milwaukee Flush Valve Co., 1017 Clybourn, Milwaukee, Wis.**
**Monarch Brass Co. ("Monarch" Gravity), Cleveland, O.**
**Morency-Van Buren Mfg. Co. ("M. V. B."), Sturgis, Mich.**
**Mott J. L. Iron Works, Trenton, N. J.**
**Murphy Specialty Co. ("Murphy"), 90-2nd, Milwaukee, Wis.**
**Murray & Sorensen ("Unit"), 227 W. 17th, New York**
**Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.**
Park & McKay, 55 Bagley av, Detroit, Mich
**Pasman Valve Co. ("Crest"), Jersey City, N. J.**
**Pfau Mfg. Co., Mentor & Huston, Norwood, Cincinnati, O.**
**Phillips Flushing Tank Co., 66 Batterymarch, Boston, Mass.**
Robertshaw Mfg. Co., Youngstown, Pa.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
**Sampstone Mfg. Co. ("Sampstone"), 1607 Prairie av, Chicago, Ill.**
**Sanitas Mfg. Co. ("Sanitas"), 105 Washington, Boston, Mass.**
**Siegrist B. F., 263 Laurel, Buffalo, N. Y.**
**Single Faucet & Flush Valve Co. ("Kelmor"), 617 W Jackson blvd, Chicago, Ill.**
Sloan Valve Co. ("Sloan"), 628 W Jackson blvd, Chicago, Ill.
**Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.**
**Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.**
Union Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
Wolverine Brass Works ("Wolverine"), Grand Rapids, Mich.

## 16310— Valves (Foot)

Abendroth & Root Mfg. Co. (Galvanized Flanged), Newburgh, N. Y.
*See adv index at end of book*
**American Foundry & Const. Co., 2d av & Longworth, Pittsburgh, Pa.**
**AMERICAN SPIRAL PIPE WORKS** (Also Valve & Strainer Combined), Chicago, Ill. *See adv index at end of book*

Belfield H. Co., 435 N Broad, Phila., Pa.
Brown A. & F. Co. ("Newman" Patent Continuous Service), 79 Barclay, New York
Buckeye Iron & Brass Works, Dayton, O.
Butler Co., Butler, Ind.
Coffin Valve Co., Neponset, Boston, Mass.
Crane Co., Bridgeport, Conn.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Ltd., Williamsport, Pa.
Decatur Pump & Mfg. Co., Decatur, Ill.
Eddy Valve Co., Waterford, N. Y.
Emerson Pump & Valve Co. ("Emerson" Quick Cleaning), Alexandria, Va.
Engineers Appliance Co. ("Hydromatic" for Water Works, etc), Cleveland, O.
Flower-Stephens Mfg. Co., 201 Clayton, Detroit, Mich.
General Ceramics Co. (Stoneware), 50 Church, New York
Hoffmann B. Mfg. Co. (Volves & Strainers), 257 6th, Milwaukee, Wis.
Hoffmann-Billings Mfg. Co., 100 2d, Milwaukee, Wis.
Kelly & Jones Co. (Brass, Iron & Iron Body), 135 Water, Pittsburgh, Pa.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
McNab & Harlin Mfg. Co. (Foot Valve & Strainer), 55 John, New York
Mark Mfg. Co., Evanston, Ill.
Nason Mfg. Co., 71 Fulton, New York
Newbury J. H., Goshen, N. Y.
Newman Mfg. Co. ("Newman" Continuous Service), 79 Barclay, New York
Pancoast H. B. Co. (Combined Foot Valve & Strainer), 950 N Front, Phila., Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. RR., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Stein John J. (Steel Riveted Flanged), 30 Clay, Brooklyn, N. Y.
Stephens Roe Mfg. Co. ("Flower"), 1097 McKinley, Detroit, Mich.
Thompson J. & Co., Van Horn & Sophia, Philadelphia, Pa.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Worthington Pump & Machy. Corp., 115 Broadway, New York
*See adv index at end of book*

## 16311-2—Valves (Foot Action, for Drinking Fountains)

Speakman Supply & Pipe Co., Wilmington, Del.

## Valves (Gas)

**See Valves, Blast & Gas**

## 16313— Valves (Gas Log)

Crane Co. (Brass), Bridgeport, Conn.
Hays Mfg. Co., Erie, Pa.
Kelly & Jones Co. (Brass), 135 Water, Pittsburgh, Pa.
McNab & Harlin Mfg. Co., 55 John, New York
Simmons John Co., 110 Centre, New York
*See adv index at end of book*

## 16314— Valves (Gas Main)

American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
Bate Wm. T. & Son, Conshohocken, Pa.
Beaumont Valve & Hydrant Works, Kankakee, Ill.
Bowler Foundry Co., 1688 Columbus, Cleveland, O.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard), Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co. (Est. 1855), (Iron & Brass), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Eddy Valve Co., Waterford, N. Y.
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Gas Machinery Co., 1900 Euclid av, Cleveland, O.
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMann James R. Co., 56 Gold, New York
Nelson Valve Co., Harrison bldg, Phila., Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Rensselaer Valve Co., Troy, N. Y.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Thompson J. & Co., Van Horn & Sophia, Phila., Pa.
WESTERN GAS CONSTRUCTION CO., Fort Wayne, Ind.
Wood R. D. & Co., 400 Chestnut, Phila, Pa.

## 16315—Valves (Gas or Coke Oven)

Blaw-Knox Co. (Water Cooled), Freeport rd, Hoboken, Pa.
Crane Co., Bridgeport, Conn.
Crane Co. (Est. 1855), (Brass), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Hays Mfg. Co., Erie, Pa.
Kelly & Jones Co. (Brass), 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co. (Light All Iron Gate with Steel Stem), Elmira, N. Y.
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
Miller W. R. Co. (Coke Oven), House bldg., Pittsburgh, Pa.
Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
Smith Gas Engng. Co. ("Smith"), Dayton, Ohio
Swindell Wm. & Bros., Jenkins Arcade bldg., Pittsburgh, Pa.
Wellman-Seaver-Morgan Co., Cleveland, O.
*See adv index at end of book*
WESTERN GAS CONSTRUCTION CO., Fort Wayne, Ind.
Williams D. T. Valve Co., Cincinnati, O.

## 16315a—Valves (Gas Producer Plant)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.

## 16316—Valves (Gas, Safety)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
LUNKENHEIMER CO. Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Smith Gas Engng. Co. ("Smith"), Dayton, Ohio
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.

## 16317—Valves (Gas Shut-off)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Fire & Gas Appliance Co. ("Sieben" Manual & Automatic), 1906 Wyandotte, Kansas City, Mo.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Hennebohle Frank, 81st & So Chicago av, South Chicago, Ill.
*See adv index at end of book*
Schroeder Edward Lamp Works (Automatic), 716 Jersey av, Jersey City, N. J.

## 16318—Valves (Gas, Siemen)

Amsler Morton Co., Farmers Bank bldg, Pittsburgh, Pa.
Cox & Sons Co., 5th & Chestnut, Phila., Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.

## 16319— Valves (Gate)

Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
American District Steam Co. (Packless Iron & Brass Body), North Tonawanda, N. Y.
American Foundry & Const. Co., 2nd av & Longworth, Pittsburgh, Pa.
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Valve Co., Coxsackie, N. Y.
Aterite M. H. Co., Inc. (For Sulphuric Acid), 55 John, New York
Buckeye Iron & Brass Works, Dayton, O.
Capitol Brass Works ("Standard"), 596 Franklin, Detroit, Mich.
Cayuta Mfg. Co. (For Steam, Gas & Oil), Sayre, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co. ("Wilcox"), Newburgh, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbia Iron Works ("Columbian"), Chattanooga, Tenn.
Continental Pipe Mfg. Co., Tacoma, Wash.
Crane Co., Bridgeport, Conn.
Crane Co. (Est. 1855), (Iron & Brass), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co. (Ltd.), (Brass, Iron Body and all Iron), Williamsport, Pa.
Detroit Brass Works, 331 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
Donovan R. J. Co., 217 Pearl, New York
Eddy Valve Co. ("Eddy" Parallel & Taper Seat), Waterford, N. Y.
Engineers' Appliance Co. ("Hydromatic"), Cleveland, O.
Eureka Brass Works ("Eureka" Brass Straightway), 1040 Hulbert av, Cincinnati, O.
FAIRBANKS CO. (Brass & Iron), 416 Broome, New York
Flower-Stephen Mfg. Co., 201 Clayton, Detroit, Mich.
FRICK & LINDSAY CO. (Williams Brass, Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Glamorgan Pipe & Foundry Co., Lynchburg, Va.
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Harvey's A. Sons Mfg. Co., Detroit, Mich.
Haydenville Co., Haydenville, Mass.
Hoffmann B. Mfg. Co. (Brass & Iron Body), 257 6th, Milwaukee, Wis.
Iowa Valve Co., Oskaloosa, Ia.
Jenkins Bros., 80 White, New York
Jones Jas. So., 201 Leroy, Los Angeles, Cal.
Kelly & Jones Co. (Brass & Iron), 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co. (Iron, Brass & Bronze), Elmira, N. Y.
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUNKENHEIMER CO. ("Clip," "Victor," "Handy"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMann James R. Co., 56 Gold, New York
McMANN & TAYLOR CO., 104 John, New York. *See adv index at end of book*
McNab & Harlin Mfg. Co. (Brass & Iron Body), 55 John, New York
Marsh Valve Co., Erie, Pa.
Marsh Valve Co. (Steam System), Dunkirk, N. Y.
Milwaukee Valve Co. ("M." Brass), 139 Burrell, Milwaukee, Wis.
Moyle E. H. Engineering & Equipment Co. ("Moyle" for Cyanide Gates), 508 E 9th, Los Angeles, Cal.
Nason Mfg. Co., 71 Fulton, New York
National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.
Nelson Valve Co. (Brass, Iron & Steel), Harrison bldg., Phila., Pa.
Newman Mfg. Co. (Continuous Service), 79 Barclay, New York
Ohio Brass Co. ("O-B" Bronze), Mansfield, O. *See adv index at end of book*
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.

VALVES (GATE)—continued

Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 890 West, New York
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.**
**Pittsburgh Valve & Fittings Co. ("Pittsburgh"),** Frick bldg, Pittsburgh, Pa.
Pomona Mfg. Co., Pomona, Cal.
**Powell Wm. Co. ("U. S.," "Pilot," "Star,"** "White Star" Brass & Iron Body), Cincinnati, O. *See adv index at end of book*
**Pratt & Cady Co. ("P. & C."), Hartford,** Conn.
Rensselaer Valve Co., Troy, N. Y.
Rickersberg Brass Co., Perkins & E 37th, Cleveland, O.
Schutte & Koerting Co., 1251 N 12th Phila., Pa.
**Simmons John Co., 110 Centre, New York**
*See adv index at end of book*
**Smith A. P. Mfg. Co., E Orange, N. J.**
Star Brass Mfg. Co. ("Monogram"), 53 Oliver, Boston, Mass.
**Stephens, Roe Mfg. Co. (Scott's High Pressure,** etc), 1097 McKinley, Detroit, Mich.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av, N W, Cleveland, O.
**Thompson J. & Co., Van Horn & Sophia,** Phila., Pa.
Walworth Mfg. Co., Boston, Mass.
Wheeler C. H. Mfg. Co. **("Wheeler Exhaust"), Lehigh av & 18th, Phila., Pa.**
Williams D. T. Valve Co. ("Cino"), Cincinnati, O.
Williams Wm. E. ("Wew"), 62 Front, New York
Wood R. D. & Co. (For Water, Gas, Oil & Steam), 400 Chestnut, Phila., Pa.

## 16320— Valves (Gate, for Water Mains)

**American Foundry & Construction Co., 2nd av & Longworth, Pittsbprgh, Pa.**
**Beaumont Valve & Hydrant Works, Kankakee, Ill.**
**Bourbon Copper & Brass Works, Cincinnati, O.**
**Cayuta Mfg. Co., Sayre, Pa.**
Chapman Valve Mfg. Co. **("Chapman"),** Indian Orchard, Mass.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Columbian Iron Works ("Columbian"), Chattanooga, Tenn.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
**Drummond M. J. & Co., 51 Chambers,** N. Y.
**Eddy Valve Co., Waterford, N. Y.**
**Fairbanks Co., 416 Broome, New York**
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
**Iowa Valve Co., Oskaloosa, Ia.**
**Kennedy Valve Mfg. Co. ("Newtype"),** Elmira, N. Y. *See adv index at end of book*
Keystone Driller Co., Beaver Falls, Pa.
*See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
**LUNKENHEIMER CO.** ("Victor"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**Marsh Valve Co., Erie, Pa.**
**Nelson Valve Co., Harrison bldg., Phila-Pa.**
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh,** Pa.
**Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.**
**Pratt & Cady Co. ("P. & C."), Hartford,** Conn.
**Rensselaer Valve Co., Troy, N. Y.**
**Simmons John Co., 110 Centre, New York**
*See adv index at end of book*
**Smith A. P. Mfg. Co., E Orange, N. J.**
**South Park Foundry & Machine Co., St. Paul, Minn.**
Stephens Roe Mfg. Co. ("Scott's" High Pressure, etc), 1097 McKinley, Detroit, Mich.
Walworth Mfg. Co., Boston, Mass.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 16321— Valves (Geared)

Darling Valve & Mfg. Co., Williamsport, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.** ("Victor"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Pilliod Co. ("Baker"), 30 Church, New York
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh,** Pa.
**Southern Locomotive Valve Gear Co., Knoxville, Tenn.**

## 16322— Valves (Generator)

Burdett Mfg. Co., 309 St. John's Court, Chicago, Ill.
Commonwealth Brass Works (For Gasoline Engines), 625 Commonwealth, Detroit, Mich.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**LUNKENHEIMER CO.** ("Nonpareil"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** E Pittsburgh, Pa.
*See adv index at end of book*
**Williams D. T. Valve Co., Cincinnati, O.**

## 16323—Valves (Globe & Angle)

**American Foundry & Construction Co.,** 2nd av & Longworth, Pittsburgh, Pa.
**American Foundry & Mfg. Co., 11th &** Hebert, St. Louis, Mo.
American Steam Gauge & Valve Mfg. Co. **("American"), 208 Camden, Boston,** Mass.
**American Valve Co., Coxsackie, N. Y.**
**Bashlin Co., Warren, Pa.**
Beaton & Cadwell Mfg. Co., **("Jumbo,"** "Perfection"), New Britain Conn.
**Belfield H. Co., 435 N Broad, Phila., Pa.**
**Belknap Mfg. Co., Bridgeport, Conn.**
**Buckeye Iron & Brass Works (With or Without Jenkins Disc), Dayton, O.**
**Central Brass Mfg. Co. of Cleveland (Sizes** ⅜" to 2"), Cleveland, O.
**Coldwell-Wilcox Co., Newburgh, N. Y.**
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co., Bridgeport, Conn.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Darling Valve & Mfg. Co., (Ltd.), (Angle Only), Williamsport, Pa.
Detroit Brass Works, 331 Holden, Detroit, Mich.
**Detroit Lubricator Co., Detroit, Mich.**
Donovan R. J. Co., 217 Pearl, New York
**Duriron Castings Co. ("Duriron," Angle** Acid Proof), Dayton, O.
**Eastwood Wire Mfg. Co., Belleville, N. J.**
**Edna Brass Mfg. Co. (Angle Only), Cincinnati, O.**
**Engineers Appliance Co. ("Hydromatic"),** Cleveland, O.
**Everhart Brass Works, Scranton, Pa.**
Eynon-Evans Mfg. Co. (Extra Heavy), N 15th & Clearfield, Phila., Pa.
**Fairbanks Co., 416 Broome, New York**
**Fairbanks E. & T. & Co. (Brass Globe),** St. Johnsburg, Vt.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
**Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.**
*See adv index at end of book*
**Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.**
**Gorton & Lidgerwood Co. (Straightway & Angle), 96 Liberty, New York**
**Hancock Inspirator Co., 119 W 40th, New**
**Haydenville Co., Haydenville, Mass.**
**Hays Mfg. Co., Erie, Pa.**
**Hoffman B. Mfg. Co. (Brass & Iron), 257 6th, Milwaukee, Wis.**
**Homer Brass Works, 231 Race, Phila., Pa.**
**Jenkins Bros., 80 White, New York**
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
**Kelly & Jones Co. (Brass & Iron), 135** Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**Kinsey & Mahler Co. ("K. & M."), Peoria,** Ill.
**Konold M. J. Co., 601 Bessemer bldg,** Pittsburgh, Pa.
**Locke Regulator Co., Salem, Mass.**
*See adv index at end of book*
**LUNKENHEIMER CO.** ("Renewo," "Ferrenewo"), Executive Offices & Fac- & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McCambridge Co. (Brass Only), 315 N 20th, Phila., Pa.
**McDonald A. Y. Mfg. Co., Dubuque, Ia.**
**McMANN & TAYLOR CO.,** 104 John, New York. *See adv index at end of book*
**McNab & Harlin Mfg. Co. (Brass & Iron Body), 55 John, New York & Paterson, N. J.**
**McRae & Roberts Co. (Brass), 227 Campbell av, Detroit, Mich.**
*See adv index at end of book*
**Marsh Valve Co., Erie, Pa.**
**Marsh Valve Co. (Steam System), Dunkirk, N. Y.**
**Max Machine Co. ("K-V"), Clinton, Mass.**
**Milwaukee Valve Co. ("M"), 139 Burrell,** Milwaukee, Wis.
**Nason Mfg. Co., 71 Fulton, New York**
**Nathan Mfg. Co. (For Locomotives, etc),** 416 E. 106th, New York
**Nelson Valve Co. (Brass, Iron & Steel),** Harrison bldg., Phila., Pa.
**New Bedford Valve Mfg. Co., New Bedford, Mass.**
**Ohio Brass Co. ("O-B"), Mansfield, O.**
*See adv index at end of book*
Ohio Injector Co. ("O.I. Co."), Wadsworth, O.
**Ohio Pump & Brass Co. (Gas), Columbus,** Ohio
**Oil Well Supply Co. (Brass & Iron), 215** Water, Pittsburgh, Pa.
**O'Malley-Beare Valve Co. ("Multiplate"),** Railway Exchange bldg, Chicago, Ill.
**Pacific Foundry Co., 18th & Harrison, San** Francisco, Cal.
**Perkes Chas. (Est. of), 627 Arch, Phila.,** Pa.
Pioneer Brass Works, Indianapolis, Ind.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co. ("Standard" Brass), Frick bldg., Pittsburgh, Pa.
**POWELL WM. CO.** ("Powell White Star"), Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P. & C"), Hartford, Conn.
Richardson-Phenix Co. ("P. P. Nokut"), 131 2d, Milwaukee, Wis.
Rickersberg Brass Co., Perkins & E 37th, Cleveland, O.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Scully Iron & Steel Co. ("Storie" Brass), 2364 S Ashland av, Chicago, Ill.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Star Brass Mfg. Co. ("Renewable"), 53 Oliver, Boston, Mass.
Stephens Roe Mfg. Co. ("Scott," "J. D."), 1097 McKinley, Detroit, Mich.
Strong, Carlisle & Hammond Co., 336-344 Frankfort av N W, Cleveland, O
United Brass Mfg. Co. ("United" Brass), 3844 Hamilton av, Cleveland, O.
Walworth Mfg. Co., Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.

## 16324—Valves (Greenhouse)

Coldwell-Wilcox Co., Newburgh, N. Y.
Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.
*For branch houses see Alphabetical Section.*
Glenn Fred. E. ("Globe"), St. Charles, Ill.

## 16325— Valves (Grinder)

Baker Mfg. Corp. ("Ramsey"), Saratoga Springs, N. Y.

## 16326—Valves (Gulland Automatic Water)

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

## 16327— Valves (Hatters')

Jenkins Bros., 80 White, New York
McNab & Harlin Mfg. Co. ("Smith" Pattern & Quick Opening), 55 John, New York

## 16328—Valves (High Pressure)

American Balance Valve Co. ("Jack Wilson Balanced"), Jersey Shore, Pa.
American Brass Proructs Co., Pottstown, Pa.
American Foundry & Const. Co. (Steam), 2nd av & Longworth, Pittsburgh, Pa.
Buckeye Iron & Brass Works, Dayton, O.
Burlington Brass Works, Burlington, Wis.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Eddy Valve Co., Waterford, N. Y.
Engineers' Appliance Co. ("Hydromatic"), Cleveland, O.
Everlasting Valve Co., 2 Rector, New York
Fairbanks Co., 416 Broome, New York
Ford Thos. P. Co. (Balance Ball Cock), 407 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Hennebohle Frank (Ammonia Chick), 81st & So Chicago av, South Chicago, Ill. *See adv index at end of book*
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, O. *See adv index at end of book*
Jenkins Bros., 80 White, New York
Kennedy Valve Mfg. Co. (For Steam Service), Elmira, N. Y. *See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Marsh Valve Co., Erie, Pa.
National Valve & Mfg. Co., 31st & Liberty, Pittsburgh, Pa.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Richardson-Phenix Co. ("R. P. Nokut"), 131 2d, Milwaukee, Wis.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Yarnall-Waring Co. ("Caskey-Simplex"), Harrison bldg, Phila., Pa.

## 6329—Valves (High Pressure Natural Gas)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.

## 6329a—Valves (Hold Open Stop Check)

Schutte & Koerting Co., 1251 N 12th, Phila., Pa.

## 6330— Valves (Hopper)

Cheson Mfg. Co. (Brass), Rankin, Pa. *See adv index at end of book*
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Cooper Sanitary Mfg. Co. (Self-Closing), 34th & Chestnut, Phila, Pa.
Crampton-Farley Brass Co. ("Star"), 221 Main, Kansas City, Mo.
Edwardsville Brass Co., Edwardsville, Ill.
Hall Mfg. Co., Harrison, N. J.
Prier Brass Mfg. Co. ("Standard"), Kansas City, Mo.
Savill's Thos. Sons, 1310 Wallace, Phila., Pa.
Sawyer W. H. & Sons Co., Americus, Ga.

## 16331— Valves (Hose)

Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*
American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Aterite M. H. Co., Inc. (For Sulphuric Acid), 55 John, New York
Buckeye Iron & Brass Works (Brass Garden Hose, etc), Dayton, O.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Williamsport, Pa.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Fairbanks Co., 416 Broome, New York
General Fire Extinguisher Co. ("G. F. E."), Providence, R. I.
Haydenville Co., Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hoffman B. Mfg. Co. (Brass), 257 6th, Milwaukee, Wis.
Jenkins Bros., 80 White, New York
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y. *See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
**LUNKENHEIMER CO.** ("Clip"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Milwaukee Brass Mfg. Co. (For Fire Escape Stand Pipe), 251 Lapham, Milwaukee, Wis.
Nelson Valve Co., Harrison bldg., Phila., Pa.
O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.
Powell Wm. Co. ("Crescent"), Cincinnati, O. *See adv index at end of book*
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Rensselaer Valve Co., Troy, N. Y.
Sherman H. B. Mfg. Co., Battle Creek, Mich.
Simmons John Co., 110 Centre, New York *See adv index at end of book*
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 16332—Valves (Hot & Cold Blast)

Hartman Co., 1231 N Front, Phila., Pa.

## 16333—Valves (Hydraulic)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashton Valve Co. ("Ashton" Relief), 161 First, Cambridge, Mass.
Belfield H. Co., 435 N Broad, Phila., Pa.
Bordo L. J. Co. (Inc), (Stop, Three Way & Four Way), 12th & Thompson, Phila., Pa.
Buckeye Iron & Brass Works (Brass Check, Safety, Globe & Angle & Angle Relief), Dayton, O.
**BURROUGHS CHAS. COMPANY**, Newark, N. J. *See adv index at end of book*
Chambersburg Engng. Co., Chambersburg, Pa.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch houses see Alphabetical Section*
Darling Valve & Mfg. Co., (Ltd.), Williamsport, Pa.
Davidson M. T. Co. ("Davidson," Three-Way Balanced), 154 Nassau, New York
Eddy Valve Co., Waterford, N. Y.
Edward Valve & Mfg. Co. ("Edward" Stop & Check, etc), Edison bldg, Chicago, Ill.
**ELMES CHAS. F. ENGINEERING WORKS (Inc.)**, cor Fulton & Sangamon, Chicago, Ill. *See adv index at end of book*
Engberg Electric & Mechanical Works (Electro-Hydraulic, for Stand Pipes, etc), St. Joseph, Mich.
Foster Engineering Co. (Regulating, Reducing & Relief), 109 Monroe, Newark, N. J.
French Oil Mill Machinery Co., Piqua, O.
Hennebohle Frank (Balanced, Straight, Three & Four Way), 81st & S Chicago av, South Chicago, Ill. *See adv index at end of book*

FRANK HENNEBOHLE
Inventor and Manufacturer of
STEAM AND HYDRAULIC SPECIALTIES
81st. St. & South Chicago Ave.
CHICAGO, ILL.

Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
**HYDRAULIC PRESS MFG. CO.** ("H-P-M"), Mt. Gilead, Ohio *See adv index at end of book*
Kelly & Jones Co. (Straightway, etc), 135 Water, Pittsburgh, Pa.
Konold M. J. Co., Bessemer bldg, Pittsburgh, Pa.
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
**MORGAN ENGINEERING CO.**, Alliance, O. *See adv index at end of book*
Nason Mfg. Co., 71 Fulton, New York
National Gauge Co. (Relief), 300 Pacific, Brooklyn, N. Y.
Nelson Valve Co., Harrison bldg., Phila., Pa.
New York Brass Foundry Co. ("Stillbech"), 403 Broome, New York
Oil Well Supply Co., 215 Water Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
**POWELL WM. CO.** ("Powell," Globe, Angle, Check), Cincinnati, O. *See adv index at end of book*
Pratt & Cady Co. ("P. & C."), Hartford, Conn.
Rensselaer Valve Co., Troy, N. Y.
Robertson Jno. & Co., 133 Water, B'klyn, N. Y.
Schutte & Koerting Co., 12th & Thompson, Phila., Pa.
Simplex Valve & Meter Co. ("Simplex" Regulating for Controlling the Elevation of Water in Reservoirs & Stand Pipes), 110 N. Broad, Phila., Pa.
Taylor-Wilson Mfg. Co., McKees Rocks, Pa.
Union Iron Works, Hoboken, N. J.
**WATSON-STILLMAN CO.**, 38 Church, New York *See adv index at end of book*
Watson & McDaniel Co. ("Riggins," Hydraulic Stop & Balance Rotating & Operating), 146 N 7th, Phila., Pa.
Williams Franklin, Inc. ("Toledo" Bronze), 39 Cortlandt, New York
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Yarnall-Waring Co. (High Pressure, "Caskey Simplex"), Harrison bldg., Phila., Pa.

## 16334—Valves (Hydraulic Operating)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
Chapman Valve Mfg Co ("Chapman"), Indian Orchard, Mass
Coldwell-Wilcox Co., Newburgh, N. Y.
Darling Valve & Mfg. Co., Williamsport, Pa.
Engineers Appliance Co. ("Hydromatic"), Cleveland, O.
Hennebohle Frank (& Cocks, Straightway, Three & Four Way), 81st & S Chicago av, South Chicago, Ill. *See adv index at end of book*
Jenkins Bros., 80 White, New York
Kennedy Valve Mfg. Co., Elmira, N. Y. *See adv index at end of book*
Konold M. J. Co., Bessemer bldg, Pittsburgh, Pa.

VALVES (HYDRAULIC OPERATING)—continued

Logemann Bros. Co., 3130 Burleigh, Milwaukee, Wis.
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
**LUNKENHEIMER CO.** ("Victor"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Morgan Construction Co., Worcester, Mass.
Nelson Valve Co., Harrison bldg., Phila., Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
**Ross Valve Mfg. Co, 9 Oakwood av, Troy,** N. Y.
Southwark Fdry & Mach. Co., 430 Wash. av, Philadelphia, Pa.
Vance-Vetter Co., Phipps Power bldg., Pittsburgh, Pa.

## 16335—Valves (Hydraulic Pressure Controlling)

French Oil Mill Machinery Co., Piqua, O.
**LUNKENHEIMER CO.** ("Victor"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*

## 16336—Valves (Hydraulic Pulpit)

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.

## 16337— Valves (Indicator)

Bourbon Copper & Brass Works (Open & Shut Indicator Post Valves), Cincinnati, O.
**Chapman Valve Mfg. Co. ("Chapman"** Indicator Post Valves), Indian Orchard, Mass.
Columbian Iron Works ("Columbian"), (Underwriters), Chattanooga, Tenn.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Williamsport, Pa.
**Kelly & Jones Co. (Straightway), 135** Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McRae & Roberts Co., 227 Campbell av, Detroit, Mich. *See adv index at end of book*
Milwaukee Valve Co. ("M," Brass), 139 Burrell, Milwaukee, Wis.
National Brass Mfg. Co. (Relief & Cylinder), Rochester, N. Y.
Nelson Valve Co., Harrison bldg., Phila., Pa.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Pratt & Cady Co., ("P & C"), Hartford, Conn.
Rensselaer Valve Co., Troy, N. Y.
**Wood R. D. & Co., 400 Chestnut, Phila., Pa.**

## 16338— Valves (J. D.)

Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Ohio Brass Co. ("O-B"), Mansfield, O.
*See adv index at end of book*

## 16338a— *Valves (Jenkins)

**JENKINS BROS.,** New York, Boston, Phila., Chicago, Montreal, London.

## 16339— Valves (Lavatory)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
**Edwardsville Brass Co. (Pedal), Edwardsville, Ill.**
Engineers Appliance Co. ("Hydromatic"), Cleveland, O.
Gaylord Sanitary Mfg. Co. (Foot), El Dorado, Kans.
Hays Mfg. Co., Erie, Pa.
Haydenville Co., Haydenville, Mass.
Hoffmann & Billings Mfg. Co., 100 2d, Milwaukee, Wis.
**Kelly & Jones Co. (Brass), 135 Water,** Pittsburgh, Pa.
Sanitas Mfg. Co. ("Sanitas"), 105 Washington, Boston, Mass.

## 16340— Valves (Lead Lined)

**Chadwick-Boston Lead Co. (For Acids),** 162 Congress, Boston, Mass.
**Lead Lined Iron Pipe Co., Wakefield, Mass.**
Schutte & Koerting Co. (All Lead), 1251 N 12th, Phila., Pa.
United Lead Co., 111 Broadway, New York

## 16341— Valves (Leather)

**Detroit Leather Specialty Co. (Inc.)** ("Wear Well"), 275 Beecher av, Detroit, Mich.
**Graton & Knight Mfg. Co., Worcester,** Mass.
**Houghton E. F. & Co. ("Vim" Pump, etc.),** 240 W Somerset, Phila., Pa.
**Kendrick Valve & Washer Co., Syracuse,** N. Y.
Myers F. E. & Bro., 900 4th, Ashland, O. *See adv index at end of book*
Nott W. S. Co., 2d av N & 3d, Minneapolis, Minn.
**Page Belting Co., Concord, N. H.**

## 16342— Valves (Lever)

**Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.**
Everlasting Valve Co., 2 Rector, New York
Fairbanks Co., 416 Broome, New York
Foster Engineering Co. (Balance), 109 Monroe, Newark, N. J.
Jenkins Bros., 80 White, New York
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.** ("Handy, "Victor," "Clip"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Nelson Valve Co., Harrison bldg., Phila., Pa.
Powell Wm. Co. ("Titan," "Ready," "Giant" Brass & Iron Body), Cincinnati, O. *See adv index at end of book*
Pratt & Cady Co. ("P & C" Quick Opening), Hartford, Conn.
Schutte & Koerting Co., 12th & Thompson, Phila., Pa.
**Star Brass Mfg. Co. ("Star," Safety Lever),** 53 Oliver, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 16343— Valves (Lock)

**Emory P. P. Mfg. Co. (For Rag Engines),** Springfield, Mass.
Pratt & Cady Co. (Check "P & C"), Hartford, Conn.
Whitcomb Geo. D. Co. ("Whitcomb," for Air Compressors, etc), Rochelle, Ill.

## 16344—Valves (Lock Shield)

American District Steam Co., North Tonawanda, N. Y.
**Beaton & Cadwell Mfg. Co. ("Gem No. 4,"** "Wellby Special," "Jumbo," "Perfection"), New Britain, Conn.
Detroit Brass Works, 331 Holden, Detroit, Mich.
Dole Valve Co., 1933 Carroll, Chicago, Ill.
**Glauber Brass Mfg. Co., 49th & Superior** av N E, Cleveland, O.
*See adv index at end of book*
Hays Mfg. Co., Erie, Pa.
Jenkins Bros., 80 White, New York
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co. ("Radiator"), 55 John, New York
Marsh Jas. P. & Co., 118 S Clinton, Chicago, Ill.
Marsh Valve Co., Erie, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Walworth Mfg. Co., Boston, Mass.

## 16345—Valves (Locomotive)

American Balance Valve Co. ("American" Balanced & "Jack Wilson" High Pressure Balanced), Jersey Shore, Pa.
**AMERICAN SAFETY LAMP & MINE SUPPLY CO.,** Scranton, Pa.
American Steam Gauge & Valve Mfg. Co. (Pop, Plain & Muffled), 208 Camden, Boston, Mass.
Belfield H. Co. (Cylinder), 435 N Broad, Phila., Pa.
Bordo L. J. Co. ("B. O." Plug Blow-Off, also Blower), 12th & Thompson, Phila., Pa.
Cadman A. W. Mfg. Co. (Blow-Off), 2816 Smallman, Pittsburgh, Pa.
Coale Muffler & Safety Valve Co., 325 E. Oliver, Baltimore, Md.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Consolidated Safety Valve Co. ("Consolidated" Pop Safety; also with Muffler Attached), 119 W 40th, New York
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
**CROSBY STEAM GAGE & VALVE CO.,** 40 Central, Boston, Mass.
*See adv index at end of book*
Everlasting Valve Co., 2 Rector, New York
Fairbanks Co., 416 Broome, New York
**Gold Car Heating & Lighting Co. (Pressure Regulating), 17 Battery pl, New York**
Homestead Valve Mfg. Co. ("Homestead", Blow-Off), Homestead, Pa.
**KUNKLE VALVE CO.,** 825 Barr, Fort Wayne, Ind. *See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lonegran J. E. Co. ("XXX" & "YYY" Safety Valves), 211 Race, Phila., Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Lytton Mfg. Co. ("Lytton" Blow-Off), Franklin, Va.
McNab & Harlin Mfg. Co. (Cylinder), 55 John, New York
Nathan Mfg. Co. (Blower, 3 Air Pump Steam Relief & Steam Chest Relief), 416 E. 106th, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
O'Malley-Beare Valve Co. ("Multiplate" Duplex Blow-Out), Railway Exchange bldg, Chicago, Ill.
**POWELL WM. CO.** (Locomotive Boiler check), Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Sargent Co. ("E. S. E." Blow-Off), 625 W Jackson blvd, Chicago, Ill.
Star Brass Mfg. Co. (Reducing), 53 Oliver, Boston, Mass.
Watts Regulator Co. ("Watts"), Lawrence, Mass.
Williams D. T. Valve Co., Cincinnati, O.

## 16346—Valves (Low Pressure)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Jenkins Bros., 80 White, New York
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Simmons John Co., 110 Centre, New York
*See adv index at end of book*

## 16346a— *Valves (Magnetic)

Horning J. C., 343 S Dearborn, Chicago, Ill.

## 16347— Valves (Marine)

Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Capitol Brass Works, 596 Franklin, Detroit, Mich.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Eagle Brass Foundry Co. (Screwed & Bolted Bonnets), Seattle, Wash.
*See adv index at end of book*
Everlasting Valve Co., 2 Rector, New York
Garratt W. T. & Co. ("Garratt" Extra Heavy), 299 Fremont, San Francisco, Cal.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Mason Regulator Co. ("Mason" Reducing), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Schutte & Koerting Co. ("Schutte" Quick Closing, Reducing, Throttle, etc.), 1251 N 12th, Phila., Pa.
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Star Brass Mfg. Co. ("Star," Safety), 53 Oliver, Boston, Mass.

## 16348—Valves (Motor Operated)

Kennedy Valve Mfg. Co., Elmira N. Y.
*See adv index at end of book*
Ludlow Valve Mfg. Co., ft of Adams, Troy, N. Y.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

## 16349—Valves (Motor Tire)

Schrader's A. Son, Inc., Brooklyn, N. Y.

## 16350—Valves (Motorman's)

National Brake & Electric Co. ("National," for Electric Cars), ft. Belleview pl, Milwaukee, Wis.

## 16351— Valves (Mud)

Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.

## 16352— Valves (Muffler)

Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Barco Brass & Joint Co. (Automobile), 212 W Illinois, Chicago, Ill.
Coale Muffler & Safety Valve Co., 325 E. Oliver, Baltimore, Md.
Consolidated Safety Valve Co. ("Consolidated," Portable, Muffler Pop Safety), 119 W 40th, New York
Gemco Mfg. Co. (& Cutout), Milwaukee, Wis.
**KUNKLE VALVE CO.**, 825 Barr, Fort Wayne, Ind. *See adv index at end of book*
Lonergan J. E. Co. ("P"), 211 Race, Phila., Pa.
Nathan Mfg. Co. (Safety & Plain Pop), 416 E 106th, New York

## 16353—Valves (Natural Gas)

Buckeye Iron & Brass Works (Globe & Angle), Dayton, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Williamsport, Pa.
Fire & Gas Appliance Co., 1906 Wyandotte, Kansas City, Mo.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Glauber Brass Mfg. Co., 49th & Superior av N E, Cleveland, O.
*See adv index at end of book*
Hale Gas Co., Neodesha, Kans.
Hays Mfg. Co., Erie, Pa.
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co., Elmira N. Y.
*See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.

## 16354— Valves (Needle)

Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Williamsport, Pa.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
**McRAE & ROBERTS CO.**, 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Powell Wm. Co. ("Crescent" & "Model Star"), Cincinnati, O.
*See adv index at end of book*

## 16355—Valves (Needle Point, Gasoline)

Clayton & Lambert Mfg. Co., 170-70 Beaubien, Detroit, Mich.
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 16356-7—Valves (Non-Return)

Belfield H. Co., 435 N Broad, Phila., Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Garrett W. D. & Co., 126 Liberty, New York
Golden-Anderson Valve Specialty Co., Fulton bldg, Pittsburgh, Pa.
Jenkins Bros., 80 White, New York
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Nelson Valve Co., Harrison bldg., Phila., Pa.
Pittsburgh Valve, Foundry & Construction
Plant Engng. & Equip. Co. Inc., 11 John, New York
Powell Wm. Co. ("Powell White Star" Single & Double Acting), Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Robertson Jno. F. Co., Park bldg, Pittsburgh, Pa.
Schutte & Koerting Co., 1251 N 12th, Phila., Pa.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.

## 16358— Valves (Oil)

Cadman A. W. Mfg. Co., 2816 Smallman, Pittsburgh, Pa.
**Chapman Valve Mfg. Co., ("Chapman"), Indian Orchard, Mass.**
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Everlasting Valve Co., 2 Rector, New York
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Jenkins Bros., 80 White, New York
Kennedy Valve Mfg. Co., Elmira N. Y.
*See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Witt G. E. Co. (Oil Regulating Valves for Oil Burners), 862 Howard, San Francisco, Cal.

## 16359—Valves (Oil Burner, Needle)

**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Rockwell W. S. Co., 50 Church, New York
*See adv index at end of book*

## 16360— Valves (Oiler)

Knox Mfg. Co. (For Drills), 821 Cherry, Phila., Pa.
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 16361—Valves (Open-Hearth Furnace)

Blair Engineering Co., 343 S Dearborn, Chicago, Ill.
Wellman-Seaver-Morgan Co., Cleveland, Ohio *See adv index at end of book*

## 16362— Valves (Organ)

Homer Brass Works, 231 Race, Phila., Pa.

## 16363— Valves (Piston)

American Balance Valve Co. ("American" Semi-Plug), Jersey Shore, Pa.
Baker Valve Co., 1855 E 28th, Minneapolis, Minn.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Mason Regulator Co. ("Mason"), 1191 Adams, Boston, Mass.
*See adv index at end of book*
National Brake & Electric Co., ft. Belleview pl, Milwaukee, Wis.
Tinker F. & Sons Co., 5687 Butler, Pittsburgh, Pa.

## 16364—*Valves (Plate Type, Iversen Patent)

**MESTA MACHINE CO.** (For Blowing Engines, Vacuum Pumps & Compressors), Box 1124, Pittsburgh, Pa.
*See adv index at end of book*

## 16365— Valves (Plug)

American Foundry & Construction Co., 2nd av & Longworth, Pittsburgh, Pa.
Cadman A. W. Mfg. Co. ("Gato"), 2816 Smallman, Pittsburgh, Pa.
Caldwell-Wilcox Co., Newburgh, N. Y
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Konold M. J. Co. (For Air), Bessemer bldg., Pittsburgh, Pa.
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Robertson Jas. Lead Co. (Plug & Seat), 827 S Howard, Baltimore, Md.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*

## 16366—Valves (Pop Safety)

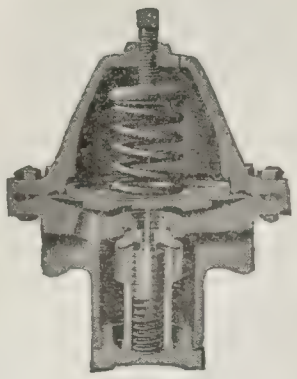
Acton Jno., 118 John, Brooklyn, N. Y.
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Bridgman Bros. Co., 131 S 31st, Phila., Pa.
Coale Muffler & Safety Valve Co., 325 E. Oliver, Baltimore, Md.
Consolidated Safety Valve Co. ("Consolidated," for Saturated & Super-Heated Steam, Duplex & Triplex for Marine Service; for House Heating Boilers; also Portable, etc), 119 W 40th, New York
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
Detroit Lubricator Co. ("Detroit," Low Pressure), Detroit, Mich.
Edna Brass Mfg. Co., Cincinnati, O.
Gold Car Heating & Lighting Co., 17 Battery pl, New York
**KUNKLE VALVE CO.** ("Kunkle" Lock-Up), 825 Barr, Fort Wayne, Pa.
*See adv index at end of book*
Lonergan J. E. Co ("Linde's" & "U. S." Government, Marine & Stationary Boilers), 211 Race, Phila., Pa.
**LUNKENHEIMER CO.** ("Duplex," "Twin," "Midget," "Air Gas Pop"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**McRAE & ROBERTS CO.**, 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Nason Mfg. Co., 71 Fulton, New York
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
**Powell Wm. Co. ("Kunkle" Direct & Angle Outlet), Cincinnati, O.**
*See adv index at end of book*
Scott Valve Co., 310 W. Randolph, Chicago, Ill.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
**Swift Lubricator Co., Elmira, N. Y.**
**Walworth Mfg. Co., Boston, Mass.**

## 16367— Valves (Poppet, for Gas Engines)

Fansteel Products Co., 215 N Michigan, Chicago, Ill.
**Michigan Engine Valve Co., 115 Columbia, W, Detroit, Mich.**
Pfanstiehl Co., No. Chicago, Ill.
Steel Products Co., 2206 Clarkwood av, S. E., Cleveland, O.
Toledo Steel Products Co., Summit, Toledo, Ohio

## 16368—Valves (Power House)

**Darling Valve & Mfg. Co., Williamsport, Pa.**
Everlasting Valve Co., 2 Rector, New York
**Fairbanks Co., 416 Broome, New York**
**Golden-Anderson Valve Specialty Co., Fulton bldg, Pittsburgh, Pa.**
Jenkins Bros., 80 White, New York



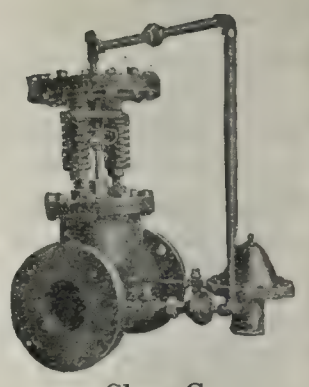
Class D

PRESSURE REDUCING AND REGULATING VALVES

For Hot Water, Cold Water, Steam, Air, Oil, and Various Gases, Any Pressures—High or Low. All Temperatures —Normal or Superheat. Write for complete Catalog

PUMP GOVERNORS FAN ENGINE REGULATORS
STRAINERS EXPANSION VALVES
RELIEF VALVES

**A. W. CASH CO., Decatur, Ill.**



Class G


VALVES (POWER HOUSE)—continued

Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.,** Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Marsh Valve Co., Erie, Pa.
Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Ricardson-Phenix Co. ("R. P. Nokut"), Milwaukee, Wis.

## 16369—Valves (Pressure Reducing)

Acton John (Waterworks), Heavy Duty & Household Service, etc), 118 John Brooklyn, N. Y.
Atwood & Morrill ("XXth Century"), 48 Loring av, Salem, Mass.
**Auld Co. ("Quartette"), Thompson & 12th, Phila., Pa.**
**CASH A. W. CO.** ("Cash Standard" also Regulating), Decatur, Ill.
*See adv index at end of book*
**Clow James B. & Sons ("Clow Temperature Booster"), S Franklin & Harrison, Chicago, Ill.**
**Consolidated Engineering Co. ("Van Auken"), 507 W Jackson blvd, Chicago, Ill.**
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Davis G. M. Regulator Co. (Reducing, Steam, Air & Water), 434 Milwaukee av, Chicago, Ill.
d'Este Julian Co., 26 Canal, Boston, Mass.
*See adv index at end of book*
Dunham C. A. Co., 343 S Dearborn Chicago, Ill.
Elliott B. K. Co. ("Elliott"), 126 6th, Pittsburgh, Pa. *See adv index at end of book*
Fairbanks Co., 416 Broome, New York
Fisher Governor Co., Marshalltown, Ia.
Ford Thos. P. Co. (Steam & Water), 407 Broome, New York
Foster Engineering Co. (For High & Low Pressure), 109 Monroe, Newark, N. J.
Fulton Co. ("Ideal Sylphon"), Knoxville, Tenn.
Garrett W. D. & Co.,, 126 Liberty, New York
Gold Car Heating & Lighting Co., 17 Battery pl, New York
Golden-Anderson Valve Specialty Co. ("Anderson," For Steam, Water, etc), Fulton bldg, Pittsburgh, Pa.
Graebert & Sons, 12 Sherman, Detroit, Mich.
Hall Mfg. Co. ("Atlas"), Harrison, N. J.
Harlem Mfg. Co., 518 W 55th, New York
Ideal Automatic Governor Co., 164 Emmet, Newark, N. J.
Illinois Engineering Co. ("Climax"), W 21st & S Racine av, Chicago, Ill.
**Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.** *See adv index at end of book*
Johnson Service Co ("Johnson"), 149 Michigan, Milwaukee, Wis.
**Keeble Alex. K. (High & Low Pressure), Lawrence, Mass.**
**Kelly & Jones Co. (Vacuum, etc), 135 Water, Pittsburgh, Pa.**
Kieley & Mueller, 34 W 13th, New York
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Leslie Co. ("Leslie"), Lyndhurst, N. J.
**LOCKE REGULATOR CO.** ("New Era," "Beats All"), Salem, Mass.
*See adv index at end of book*
Lytton Mfg. Corp. ("Lytton" for High & Low Pressure), Franklin, Va.
McAlear Mfg. Co. (For Steam, Water, Air or Gas), 1901 S Western av, Chicago, Ill.
Monash-Younker Co. (Steam), 1407 W Jackson blvd, Chicago, Ill.
**Nason Mfg. Co., 71 Fulton, New York**
National Steam Spec. Co., 16 S Clinton, Chicago, Ill.
Ohio Brass Co. ("O. B." Regulating for Steam or Air), Mansfield, O.
*See adv index at end of book*
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pittsburgh Valve & Fittings Co., Frick bldg., Pittsburgh, Pa.
Plant Engng. & Equip. Co., Inc., 11 John, New York
Ross Valve Mfg. Co., 9 Oakwood av, Troy, N. Y.
**Schade Valve Mfg. Co., 2528 N American, Phila., Pa.**
**Schutte & Koerting Co. ("Auld Co.," "Quitetite"), 1251 N 12th, Phila., Pa.**
Squires C. E. Co. ("Squires"), 3934 Kelly av, Cleveland, O.
**Standard Steam Specialty Co. ("Utility"),** 542 W B'way, New York
Stephens Roe Mfg. Co., 1097 McKinley, Detroit Mich.
**Strong, Carlisle & Hammond Co. ("Strong"), 336-344 Frankfort av,** N W, Cleveland, O.
**Waters Governor Co., 141 Milk, Boston, Mass.**
**Watson & McDaniel Co. ("Watson," also "Watson" Spring Reducing, Low Pressure & Atmospheric Reducing), 146 N 7th, Phila., Pa.**
**Watts Regulator Co. ("Watts"), Lawrence, Mass.**
**Williams Gauge Co., 543 4th av, Pittsburgh, Pa.**
**WINCHELL H. C.,** 20 E Jackson blvd, Chicago, Ill.
Witt G. E. Co. (For Steam or Liquid), 862 Howard, San Francisco, Cal.
**Worthington Pump & Machinery Corp., 115 B'way, New York**
*See adv index at end of book*

## 16369a—*Valves (Pressure & Temperature Control)

Horning J. C., 343 S Dearborn, Chicago, Ill.

## 16369b— *Valves (Pressure & Vacuum Relief)

**CASH A. W. CO.,** Decatur, Ill.
*See adv index at end of book*

## 16370— Valves (Pump)

See also Valves, Rubber

Acme Rubber Mfg. Co., Trenton, N. J.
American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.
Anchor Packing Co. ("Ankorite" Rubber), Lafayette bldg, Phila., Pa.
**Athol Pump Co., Athol, Mass.**
**Berger Bros. Co., 229 Arch, Phila., Pa.**
**Boston Belting Corp. (Rubber), 84 Linden Park, Boston, Mass.**
Brandt Randolph, 70 Cortlandt, New York
Buckeye Iron & Brass Works, Dayton, O.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Combination Rubber Mfg. Co. (Rubber), Bloomfield, N. J.**
Continental Fibre Co. (Vulcanized Fibre), Newark, Del. *See adv index at end of book*
Continental Rubber Works, Erie, Pa.
Cooley Mfg. Co. ("Cooley's"), 98 Park pl, New York
**Coronum Equipment Co. ("Rothenbucher"** Reversible), 89 Fulton, New York
**CROSBY STEAM GAGE & VALVE CO.,** ("Branden," Rubber), 40 Central, Boston, Mass. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Hard Fibre), Wilmington, Del. Works: Marshallton, Del.
*See adv index at end of book*
Diamond State Fibre Co. (Fibre), Bridgeport, Pa.
Edgecumbe J. C. & Co. ("Tri-Bisc"), 149 B'way, New York
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
Evans John E., Nutley, N. J.
Excelsior Valve Co., 108 Fulton, New York
Federal Metallic Packing Co. (Fibre), 48 Hanover, Boston, Mass.
Fort Worth Well Machy. & Supply Co., Fort Worth, Tex.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Garlock Packing Co., Palmyra, N. Y.
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hewitt Rubber Co., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Jenkins Bros., 80 White, New York
Johns-Manville H. W. Co. ("Vulcabeston"), Madison av & 41st, New York
Johns-Pratt Co., The ("Vulcabeston"), Hartford, Conn.
**Lake Erie Mfg. Co. ("Ideal"), Buffalo, N. Y.**
**Manhattan Rubber Mfg. Co., Passaic, N. J.**
Mulconroy Co. (Rubber), 54th & Jefferson, Phila., Pa.
**MYERS F. E. & BRO.,** 900 Fourth, Ashland, O. *See adv index at end of book*
National Fibre & Insulation Co. (Fibre), Yorklyn, Del.
National India Rubber Co. (Rubber), Bristol, R. I.
National Marine Lamp Co., Forestville, Conn.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Peck Geo. F. Mfg. Co., Chelsea, Mass.
Pennsylvania Rubber Co. ("Pennsylvania," Hard & Soft Rubber), Jeannette, Pa.
Robertson Jno. F. Co. (Metallic Multiplex), Park bldg, Pittsburgh, Pa.
Schacht Rubber Mfg. Co. (Rubber), Huntington, Ind.
Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.
**STRONG MACHINERY & SUPPLY CO.** ("Strong's I. O. P." Oil Proof Pump Valves), 21 Walker, New York
*See adv index at end of book*
**U. S. INDUSTRUCTIBLE GASKET CO.** ("Kinghorn"), Church & Fulton, New York. *See adv index at end of book*
Victor-Balata & Textile Belting Co. ("V. B"), ("Victor-Balata" Cold Water), 38 Murray, New York

Western Packing & Supply Co., 231 N Wells, Chicago, Ill.
*See adv index at end of book*
Western Rubber Co. (Rubber), Goshen, Ind.
**WILMINGTON FIBRE SPECIALTY CO.** (Hard Fibre), Wilmington, Del.
*See adv index at end of book*

## 16371—Valves (Pump Regulating)

**Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.**
*See adv index at end of book*
**Schade Valve Mfg. Co. ("Schade" It is a Pump Discharge Pressure Controlling Valve. A Pump Speed Governor & Positive Shut Off or Stop Valve), 2528 N American, Phila., Pa.**
**Standard Steam Specialty Co., 542 W B'way, New York**

## 16372—Valves (Quick-Closing)

Everlasting Valve Co., 2 Rector, New York
Jenkins Bros., 80 White, New York
Locke Regulator Co. ("Locke"), Salem, Mass. *See adv index at end of book*
**LUNKENHEIMER CO.** ("Victor," "Handy," "Clip"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.**
*See adv index at end of book*
**Schutte & Koerting Co. ("Schutte" Marine Type Emergency), 1251 N 12th, Phila., Pa.**
Strong, Carlisle & Hammond Co. ("Strong"), 336-344 Frankfort av, N W, Cleveland, Ohio

## 16373—Valves (Quick-Opening)

Buckeye Iron & Brass Works, Dayton, O.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co. (Sliding Stem & Lever), Williamsport, Pa.
Everlasting Valve Co., 2 Rector, New York
Fairbanks Co., 416 Broome, New York
Gorton & Lingerwood Co. (Packless), 96 Liberty, New York
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
**Kelly & Jones Co. ("Jewel" Radiator & Straightway), 135 Water, Pittsburgh, Pa.**
**LUNKENHEIMER CO.** ("Victor," "Handy," "Clip"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Marsh Valve Co., Erie, Pa.
Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
Pioneer Alloy Products Co., Inc., 16601 Euclid av, Cleveland, Ohio
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.

## 16374— Valves (Radiator)

Aaball Mfg. Co., 815 Larabee, Chicago, Ill.
Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
American District Steam Co. ("Adsco" Graduated), N Tonawanda, N. Y.
American Valve Co., Coxsackie, N. Y.
Beaton & Cadwell Mfg. Co. ("Jumbo," "Perfection"), New Britain, Conn.
Belfield H. Co. (Iron & Brass), 435 N Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Buckeye Iron & Brass Works (With or Without "Jenkins Disc"), Dayton, O.
Capital Brass Works ("Jenkins Disc," Male & Female), 596 Franklin, Detroit, Mich.
**Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.**
Commonwealth Brass Works, Commonwealth av & Ry, Detroit, Mich.
Crane Co., Bridgeport, Conn.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Davis Louis N. ("Davis" Graduated), West Chester, Pa.
Detroit Brass Works, 331 Holden, Detroit, Mich.
**Detroit Lubricator Co. (Quick Opening & Interlocking Steam "Detroit"), Detroit, Mich.**
Dole Valve Co. (Packless), 1923 Carroll av, Chicago, Ill.
**Dukerschien L. W. Heating & Ventilating Co., Oshkosh, Wis.**
Dunham C. A. Co. (Packless), 343 S Dearborn, Chicago, Ill.
Eureka Brass Works ("Eureka"), 1040 Hulbert av, Cincinnati, O.
Fairbanks Co. (Vulcabeston Ring Disc), 416 Broome, New York
Fairbanks E. & T. & Co. (Brass), St. Johnsbury, Vt.
Fulton Co. ("Sylphon," Packless), Knoxville, Tenn.
Gold Car Heating & Lighting Co., 17 Battery pl, New York
Gorton & Lidgerwood Co., 96 Liberty, New York
**Guaranteed Appliance Co. (Graduated), 14 E Jackson bl, Chicago, Ill.**
Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
Haydenville Co., Haydenville, Mass.
Haynes-Thompson Co. ("Precise," Graduating), 2107 Vine, Phila., Pa.
**Hoffmann Specialty Co., 130 N Wells, Chicago, Ill.**
Jarecki Mfg. Co., Phila., Pa.
Jenkins Bros., 80 White, New York
**Kelly Brass Works (Automatic Air), 226 W Ontario, Chicago, Ill.**
**Kelly & Jones Co. ("Universal"), 135 Water, Pittsburgh, Pa.**
Kennedy Valve Mfg. Co. (With Wood Wheels, etc), Elmira, N. Y.
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
McMann & Taylor Co., 104 John, New York. *See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
**Magee Steam Specialty Corp. ("Jumbo"), 136 Beekman, New York**
Marsh Valve Co., Erie, Pa.
Marsh Valve Co. (Steam System), Dunkirk, N. Y.
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
**Milwaukee Valve Co. ("M"), 139 Burrell, Milwaukee, Wis.**
Mouat-Squires Co., 1246 W 4th, Cleveland, O.
Nason Mfg. Co., 71 Fulton, New York
Ohio Brass Co. ("O. B." Wood Wheel), Mansfield, O.
*See adv index at end of book*
**O'Malley-Beare Valve Co. ("Multiplate"), Railway Exchange bldg, Chicago, Ill.**
Page W. H. Boiler Co., 141 W 36th, New York
Penn Engineering Co., 1119 N Howard, Phila., Pa.
**Phelps Heating Specialty Co., 101 Beekman, New York**
Pierce Butler & Pierce Mfg. Corp. (Packless), 437 E 162nd, New York
**POWELL WM. CO.** ("White Star," "Crescent," "Union," "Composite" Disc) Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Rado Co., Milwaukee, Wis.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Stephens Roe Mfg. Co. ("Scott" "Chicago"), 1097 McKinley, Detroit, Mich.
Syracuse Faucet & Valve Co. ("Syracuse Packless"), Eastwood, N. Y.
United States Radiator Corp., 133 E Grand River, Detroit,, Mich.
Walworth Mfg. Co., Boston, Mass.
Williams D. T. Valve Co., Cincinnati, O.

## Valves (Radiator, Automatic Air)

See Valves, Air

## 16375—Valves (Radiator, Back-Offset)

**Marsh Valve Co., Erie, Pa.**
**Ohio Brass Co. ("O. B." Wood Wheel), Mansfield, O.**
*See adv index at end of book*

## 16376—Valves (Radiator, Corner)

Beaton & Cadwell Mfg. Co. ("Jumbo," "Perfection"), New Britain, Conn.
Buckeye Iron & Brass Works (With or Without "Jenkins Disc"), Dayton, O.
**Capital Brass Works ("Jenkins Disc," Male & Female), 596 Franklin, Detroit, Mich.**
**Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.**
Crane Co., Bridgeport, Conn.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Eureka Brass Works, ("Eureka"), 1040 Hulbert av, Cincinnati, O.
Fairbanks Co., 416 Broome, New York
Gorton & Lidgerwood Co., 96 Liberty, New York
Hammond Brass Works, Hammond, Ind.
Jenkins Bros., 80 White, New York
**Kelly & Jones Co. (Offset, Brass), 135 Water, Pittsburgh, Pa.**
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Marsh Valve Co., Erie, Pa.
Milwaukee Valve Co. ("M"), 139 Burrell, Milwaukee, Wis.
Ohio Brass Co. ("O. B." Wood Wheel), Mansfield, O.
*See adv index at end of book*
O'Malley-Beare Valve Co. ("Multiplate"), Railway & Exchange bldg, Chicago, Ill.
Powell Wm. Co. ("White Star" Corner Offset & Union Disc), Cincinnati, O.
*See adv index at end of book*
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Stephens Roe Mfg. Co. ("Scott"), 1097 McKinley, Detroit, Mich.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 16377— Valves (Radiator, Hot Water)

Belknap Mfg. Co. (Quick Opening), Bridgeport, Conn.
Beaton & Cadwell Mfg. Co. ("Jumbo," "Perfection"), New Britain, Conn.
Buckeye Iron & Brass Works (With or Without "Jenkins Disc"), Dayton, O.
**Capital Brass Works (Male & Female), 596 Franklin, Detroit, Mich.**
**Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.**
Commonwealth Brass Works, Detroit, Mich.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Detroit Brass Works, 331 Holden, Detroit, Mich.
Detroit Lubricator Co. ("Detroit"), Detroit, Mich.
**Eureka Brass Works ("Eureka"), 1040 Hulbert av, Cincinnati, O.**
Fairbanks Co., 416 Broome, New York
**Fulton Co. ("Ideal Sylphon"), Knoxville, Tenn.**
Gorton & Lidgerwood Co., 96 Liberty, New York
Hammond Brass Works, Hammond, Ind.
Honeywell Heating Specialty Co. ("Honeywell," "Unique"), Wabash, Ind.
Kelly & Jones Co. ("Jewel," Quick Opening with Union), 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co., Elmira N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Magee Steam Specialty Corp. ("Jambo"), 136 Beekman, New York
Marsh Valve Co., Erie, Pa.
Milwaukee Valve Co. ("M"), 139 Burrell, Milwaukee, Wis.
Ohio Brass Co. ("O. B." Wood Wheel), Mansfield, O.
*See adv index at end of book*
Penn Engineering Co., 1119 N Howard, Phila., Pa.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Stephens Roe Mfg. Co. ("Chicago" Quick Opening), 10997 McKinley, Detroit, Mich.
Syracuse Faucet & Valve Co., Eastwood, N. Y.
United States Radiator Corp., 133 E Grand River, Detroit, Mich.

## 16378—Valves (Radiator, Steam & Hot Water)

Dole Valve Co., 1923 Carroll av, Chicago, Ill.

VALVES (RADIATOR, STEAM & HOT WATER)—continued
Fairbanks Co., 416 Broome, New York
Gorton & Lidgerwood Co., 96 Liberty, New York
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**Marsh Valve Co., Erie, Pa.**

## Valves (Reducing)

**See Valves, Pressure Reducing**

## 16379-80—Valves (Regrinding)

**Buckeye Iron & Brass Works, Dayton, O.**
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Crane Co. (Est. 1855), 836 S. Michigan av,** Chicago, Ill.
*For branch offices see Alphabetical Section*
Everlasting Valve Co., 2 Rector, New York
**Eynon-Evans Mfg. Co. ("Eynon," Gate** Valves), N 15th & Clearfield, Phila., Pa.
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
**Kelly & Jones Co. ("Excelsior," Brass), 135 Water, Pittsburgh, Pa.**
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.** ("Renewo," "Ferrenewo"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**Nelson Valve Co., Harrison bldg., Phila., Pa.**
**Penberthy Injector Co. ("Penberthy"), 346** Holden av, Detroit, Mich.
**Pittsburgh Valve & Fittings Co., Barberton, O.**
**Powell Wm. Co. ("White Star" & "Model** Star" Globe, Angle, Cross & Check), Cincinnati, O.
*See adv index at end of book*
**Pratt & Cady Co. ("P. & C" Check), Hartford, Conn.**
**Williams D. T. Valve Co., Cincinnati, O.**
**Williams Wm. E. ("Wew"), 62 Front, New York**

## Valves (Regulating)

**See Regulators, Pressure; also Governors, Pump**

## 16381— Valves (Relief)

**Acton John (Atmospheric Exhaust; also** Sensitive), 118 John, Brooklyn, N. Y.
**AMERICAN STANDARD SHIPFITTINGS CORP. ("Dew," Automatically releases** the Condensation from Steam Cylinders), 115 B'way, New York
*See adv index at end of book*
**American Valve & Meter Co., Cincinnati,** Ohio
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
**Atwood & Morrill ("XXth Century" Horizontal, Vertical, Angle & Down Discharge), Salem, Mass.**
Best W. N., Inc. ("Calorex"), 11 B'way, New York
**CASH A. W. C.**, Decatur, Ill.
*See adv index at end of book*
**Chambersburg Engng. Co. (Hydraulic), Chambersburg, Pa.**
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
**Crane Co. (Automatic), Bridgeport, Conn.**
**Davidson M. T. Co. ("Davidson" Automatic Exhaust for Condensing Engines),** 154 Nassau, New York
Davis G. M. Regulator Co. (Open Air), 434 Milwaukee av, Chicago, Ill.
Decatur Pump & Mfg. Co., Decatur, Ill.
**Dielmore Valve Co. (Automatic), Tacoma,** Wash.
Elliott B. K. Co. (Atmospheric), 126 6th, Pittsburgh, Pa.
*See adv index at end of book*
**Fairbanks Co., 416 Broome, New York**
Fisher Governor Co., Marshalltown, Ia.
Foster Engineering Co. (Air, Water, Steam & Atmosphere), 109 Monroe, Newark, N. J.
**Garret W. D. & Co. (Atmospheric), 126** Liberty, New York
**Golden-Anderson Valve Specialty Co. ("Anderson," Water Pressure, etc), Fulton bldg, Pittsburgh, Pa.**
**Hammett H. G. ("Richardson," Also Combined Pressure & Vacuum Relief),** Troy, New York
Hennebohle Frank (Ammonia), 31st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*
**Kellogg M. W. Co. (Automatic, Atmospheric Exhaust), 90 West, New York**
*See adv index at end of book*
**Klipfel Mfg. Co. ("K. & T."), 2651 W. Harrison, Chicago, Ill.**
Konold M. J. Co. (Automatic), Bessemer bldg, Pittsburgh, Pa.
**KUNKLE VALVE CO.**, 825 Barr, Fort Wayne, Ind. *See adv index at end of book*
**L. B. Brass Co. ("Donnelly"), Peabody,** Mass.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Larkin Mfg. Co., Dayton, O.
**LOCKE REGULATOR CO.** ("Locke" or Vacuum Breaker), Salem, Mass.
*See adv index at end of book*
**Lombard Governor Co. (From 5 to 23 inches in Diameter, for Water Wheel Power), Ashland, Mass.**
**Ludlow Valve Mfg. Co. ("Ludlow"), ft. of** Adams, Troy, N. Y.
**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**MASON REGULATOR CO.** ("Mason"), 1192 Adams, Boston, Mass.
*See adv index at end of book*
McAlear Mfg. Co. (Atmospheric & Automatic for Steam), 1901 S Western av, Chicago, Ill.
**McRae & Roberts Co., 227 Campbell av,** Detroit, Mich.
*See adv index at end of book*
**Mowell Augustus & Co. ("Mowell" Automatic), Paterson, N. J.**
**Mueller H. Mfg. Co. (also Globe Valves),** Decatur, Ill.
Nason Mfg. Co., 71 Fulton, New York
**Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh,** Pa.
**Ross Valve Mfg. Co. ("Trojan" for Water** Mains), 9 Oakwood av, Troy, N. Y.
Ruggles-Klingmann Mfg. Co. ("R.-K."), (Atmospheric, for Steam, Water or Air), Salem, Mass.
**SCHUTTE & KOERTING CO.**, 1251 N. 12th, Phila., Pa.
**Simmons John Co., 110 Centre, New York**
*See adv index at end of book*
Smolensky M. Mfg. Co., Jasper av, & Ridge rd, Cleveland, O.
**Specialty Mfg. Co. ("S. M. C." Automatic** Cylinder), 14 E Jackson blvd., Chicago, Ill.
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Thompson J. & Co., Van Horn & Sophia, Phila., Pa.
**Triumph Valve Mfg. Co., Mansfield, O.**
Vaile-Kimes Co. ("V. & K."), Dayton, O.
**Watertown Specialty Co. ("Watertown"** Automatic Oil), Watertown, N. Y.
**Wheeler C. H. Mfg. Co. ("Multifex" Atmospheric), Lehigh av & 18th, Phila., Pa.**
Wheeler Condenser & Engng. Co. (Air), Carteret, N. Y.
*See adv index at end of book*
**Williams Wm. E. ("Wew"), 62 Front,** New York
**Witt G. E. Co., 862 Howard, San Francisco, Cal.**
**Wood R. D. & Co., 400 Chestnut, Phila.,** Pa.
**Worthington Pump & Machy. Corp. (Exhaustand, Automatic Exhaust), 115** B'way, New York
*See adv index at end of book*

## 16381a—Valves (Renewable Disc)

Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Jenkins Bros., 80 White, New York

## 16382—Valves (Renewable Seat)

Albany Steam Trap Co. ("Blessing"), Albany, N. Y.
**Bashlin Co., Warren, Pa.**
**Chapman Valve Mfg. Co. ("Chapman"),** Indian Orchard, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Crane Co. (Est. 1855), 836 S. Michigan av,** Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Williamsport, Pa.
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of boo*
**LUNKENHEIMER CO.** ("Renewo" "Ferrenewo," "Victor"), Executive Offices & Factories, Beekman & Waverly Cincinnati, O.
*See adv index at end of book*
**Powell Wm. Co. ("White Star"), Cincinnati, O.** *See adv index at end of book*
**Pratt & Cady Co. ("P & C" Gate), Hartford, Conn.**
**Richardson-Phenix Co. ("R. P. Nokut")** 131 2nd, Milwaukee, Wis.

## 16383— Valves (Reversing)

Amsler Morton Co. ("Amsler"), Farmers Bank bldg, Pittsburgh, Pa.
Blaw-Knox Co., Freeport rd, Hoboken Pa.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
**Gas Machinery Co. (Gas), 1900 Euclid av** Cleveland, O.
**Morgan Construction Co. ("Dybie," Air or Gas), Worcester, Mass.**
**Miller W. R. Co. (Air & Gas), House bldg** Pittsburgh, Pa.
**Sterritt-Thomas Foundry Co. ("Sieman")** 32d & Smallman, Pittsburgh, Pa.
**Swindell Wm. & Bro., Pittsburgh, Pa.**
**Taylor-Wilson Mfg. Co., McKees Rocks** Pa.
**WELLMAN-SEAVER-MORGAN CO.** ("W S. M. Foster Water Sealed"), Cleveland, O. *See adv index at end of book*

## 16384— Valves (Rubber)

**Acme Rubber Mfg. Co., Trenton, N. J.**
**Anchor Packing Co. ("Ankorite"), Lafayette bldg, Phila., Pa.**
**Boston Belting Corp., 84 Linden Park** Boston, Mass.
**Buffalo Weaving & Belting Co., Buffalo** N. Y.
**Canfield H. O. Co., Bridgeport, Conn.**
**Cincinnati Rubber Mfg. Co. (Pump), Cincinnati, O.**
**Continental Rubber Works, Erie, Pa.**
**CROSBY STEAM GAGE & VALVE CO.** ("Branden"), 40 Central, Boston Mass. *See adv index at end of book*
**Elkhart Rubber Works, Elkhart, Ind.**
**Empire Tire & Rubber Corp., Trenton** N. J.
**Essex Rubber Co., Trenton, N. J.**
**Excelsior Valve Co. ("Excelsior"), 10** Fulton, New York
**Federal Rubber Co., The, Cudahy, Wis.**
**Goodrich B. F. Co., Akron, O.**
**Gutta Percha & Rubber Mfg. Co., 12** Duane, New York
**Home Rubber Co., Trenton, N. J.**
**Jenkins Bros., 80 White, New York**
**Johns-Manville H. W. Co. ("Vulcabeston")** Madison av & 41st, New York
**Manhattan Rubber Mfg. Co., Passaic, N. J**
**Mercer Rubber Co., Hamilton Square** N. J.
**Myers F. E. & Bro., 900 Fourth, Ashland, O.** *See adv index at end of book*
**National India Rubber Co., Bristol, R. I**
**N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.**
**New York Belting & Packing Co. (Pump & Ball), 91 Chambers, New York**
**NEW YORK RUBBER CO.**, 323 W Randolph, Chicago, Ill. & New York
**Pennsylvania Rubber Co. ("Pennsylvania"), Jeannette, Pa.**
**Pratt & Cady Co. ("P. & C" Hydrant)** Hartford, Conn.
**Quaker City Rubber Co., 629 Market** Phila., Pa.
**Revere Rubber Co., Chelsea, Mass.**
**Strong Machinery & Supply Co. ("Strong's** I. O. P. Oil Proof Pump Valves), 2 Walker, New York
*See adv index at end of book*
**United & Globe Rubber Co., Trenton, N. J**
**United States Rubber Co. (Marine Pump** etc), 1790 B'way, New York

Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Western Rubber Co. (Pump), Goshen, Ind.
Whitehead Bros. Rubber Co., Trenton, N. J.
Woven Steel Hose & Rubber Co., Trenton, N. J.

## 16385— Valves (Sacking)

Sackett A. J., cor 4th av & 1st, Baltimore, Md.

## 16386— Valves (Safety)

American Steam Gauge & Valve Mfg. Co., 208 Camden st, Boston, Mass.
Andrews Heating Co., ("Andrews" Regulating), Minneapolis, Minn.
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Belfield H. Co. (Brass or Iron), 435 N Broad, Phila., Pa.
Buckeye Iron & Brass Works (Iron & Brass Body), Dayton, O.
**BURROUGHS CHARLES COMPANY** (Hydraulic), Newark, N. J.
*See adv index at end of book*
Coale Muffler & Safety Valve Co., 325 E. Oliver, Baltimore, Md.
Consolidated Safety Valve Co., 119 W 40th, New York
Crane Co., Bridgeport, Conn.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
**CROSBY STEAM GAGE & VALVE CO.**, ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Ex Cel Safety Gas Valve Co., 5726 Euclid av, Cleveland, O.
Fairbanks Co., 416 Broome, New York
Fire & Gas Appliance Co., 1906 Wyandotte, Kansas City, Mo.
Haydenville Co. (Boiler), Haydenville, Mass.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Hydraulic Press Mfg. Co. (Hydraulic), Mt. Gilead, Ohio
*See adv index at end of book*
Jenkins Bros., 80 White, New York
Kelly & Jones Co., 135 Water, Pittsburgh Pa.
**KUNKLE VALVE CO.**, 825 Barr, Fort Wayne, Ind. *See adv index at end of book*
Locke Regulator Co., Salem, Mass.
*See adv index at end of book*
Lonergan J. E. Co. (Spring Loaded), 211 Race, Philadelphia, Pa.
**LUNKENHEIMER CO.** ("Duplex," "Twin," "Midget," "Air Gas Pop"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McNab & Harlin Mfg. Co. (Brass & Iron Body), 55 John, New York
McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
*See adv index at end of book*
Milwaukee Valve Co. ("M." Brass), 139 Burrell, Milwaukee, Wis.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
O'Malley-Beare Valve Co. ("Multiple"), Railway Exchange bldg, Chicago, Ill.
Powell Wm. Co. (Brass & Iron Angle & Cross), Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Star Brass Mfg. Co. ("Star"), 52 Oliver, Boston, Mass.
Stephens, Roe Mfg. Co. ("Orme," "Scott"), 1097 McKinley, Detroit, Mich.
Springfield Brass Co., Springfield, O.
Walworth Mfg. Co., Boston, Mass.

## 16387— *Valves (Screw Down Check)

**LUNKENHEIMER CO.**, Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 16388—Valves (Sewer Flushing)

Merritt Hydraulics Co. ("Merritt"), 110 N Broad, Phila., Pa.

## 16389— Valves (Sheer)

Coldwell-Wilcox Co., Newburgh, N. Y.

## 16390—Valves (Shower Bath)

Clow Jas. B. & Sons ("Clow"), Franklin & Harrison, Chicago, Ill.
Dececo Co., 157 High, Boston, Mass.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
Haydenville Co. ("Haydenville" Self-Closing), Haydenville, Mass.
Hoffmann & Billings Mfg. Co. (Niedecken Mixer), 100 2nd, Milwaukee, Wis.
Imperial Brass Mfg. Co. ("Ingham"), 524 S Racine, Chicago, Ill.
*See adv index at end of book*
Jenkins Bros., 80 White, New York
Lehnert & Co., 334 E 23d, New York
Leonard Rooks Co., 486 Broad, Providence, R. I.
Mott J. L. Iron Works, Trenton, N. J.
Norman C. Erwin & Co., 18 W Kinzie, Chicago, Ill.
Sanitas Mfg. Co., 105 Washington, Boston, Mass.
Smith & Abbott Co., Portland, Me.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
Vulcan Brass Mfg. Co., 24 Noble ct, Cleveland, Ohio
Watrous Co., 524 S Racine, Chicago, Ill. Ill.
Webb F. W. Mfg. Co., 56 Elm, Boston, Mass
**WINCHELL H. C.**, 20 E Jackson blvd, Chicago, Ill.
Wolff Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Wolverine Brass Wks., Grand Rapids, Mich.

## 16391—*Valves (Sight Feed)

**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*

## 16392— Valves (Slide)

American Balance Valve Co. ("Jack Wilson" High Pressure Balanced), Jersey Shore, Pa.
Hammett H. G. ("Richardson," "Allen-Richardson," Balanced), Troy, N. Y.

## 16393— Valves (Snifting)

Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**KUNKLE VALVE CO.**, 825 Barr, Fort Wayne, Ind. *See adv index at end of book*
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
Williams Wm. E. ("Wew"), 62 Front, New York

## 16394—Valves (Solenoid Operated)

**CUTLER-HAMMER MFG. CO.**, 12th & St. Paul av, Milwaukee, Wis.
*See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*

## 16395—*Valves (Special Designs)

**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 16396— Valves (Stand Pipe)

Engineers' Appliance Co. ("Hydromatic"), Cleveland, O.
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.
Simplex Valve & Meter Co. (Controlling Valves for Stand Pipes or Reservoirs), 110 N. Broad, Phila., Pa.

## 16397—Valves (Steam, Air)

Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Marsh Jas. P. & Co., 118 S. Clinton, Chicago, Ill.
**McMANN & TAYLOR CO.**, 104 John, New York. *See adv index at end of book*
Nathan Mfg. Co. (Air Pump for Locomotives), 416 E. 106th, New York
Nelson Valve Co., Harrison bldg., Phila., Pa.
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 16398—Valves (Steam Feed)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Lufkin Foundry & Machine Co. ("Trout's"), Lufkin, Tex.
**LUNKENHEIMER CO.** ("Renewo," "Ferrenewo," "Clip," "Victor," "Handy"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P & C"), Hartford, Conn.

## 16398a—Valves (Steam, Gas, Water)

See also Valve Mfrs. for Steam, Gas & Water

Colonial Supply Co., 217 Water, Pittsburgh Pa. *See adv index at end of book*
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
Schutte & Koerting Co., 1251 N 12th, Phila. Pa.
**WESTERN GAS CONSTRUCTION CO.**, Fort Wayne, Ind.

## 16399— Valves (Steel)

**Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.**
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Williamsport, **Pa.**
Jenkins Bros., 80 White, New York
**Larkin J. K. & Co. (also Iron), 34 Reade,** New York *See adv index at end of book*
Lewis Products Co., Toledo, O.
Locke Regulator Co. ("Locke"), Salem, Mass. *See adv index at end of book*
**LUNKENHEIMER CO.** ("Victor"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**Nelson Valve Co., Harrison bldg., Phila., Pa.**
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Pratt & Cady Co. ("P & C"), Hartford, Conn.
**Strong Steel Foundry Co.** (Valve Castings), Buffalo, N. Y.

## 16400— Valves (Stoker Engine Regulator)

Locke Regulator Co. ("Locke"), Salem, Mass. *See adv index at end of book*
McDonough Automatic Regulator Co., **716 Gd River, Detroit, Mich.**
Mason Regulator Co. ("Mason"), 1192 **Adams, Boston, Mass.**
*See adv index at end of book*
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 16401— Valves (Stop)

Acton John (Safety), 118 John, Brooklyn, N. Y.
Albany Steam Trap Co. ("Blessing"), Albany, N. Y.

VALVES (STOP)—continued

Belfield H. Co., 435 N Broad, Phila., Pa.
Bordo L. J. Co. ("Bordo," Locomotive), 12th & Thompson, Phila., Pa.
**BURROUGHS CHARLES COMPANY** (Hydraulic), Newark, N. J.
*See adv index at end of book*
Central Brass Mfg. Co. (Quick Pression Stop & Waste), 6206 Cedar, Cleveland, O.
Chambersburg Engng. Co. (Hydraulic), Chambersburg, Pa.
Coffin Valve Co., Neponset, Boston, Mass.
Coldwell-Wilcox Co., Newburgh, N. Y.
Crane Co. (Est. 1855), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Darling Valve & Mfg. Co., Williamsport, Pa.
Davis G. M. Regulator Co. (Auto), 434 Milwaukee av. Chicago. Ill.
Eddy Valve Co., Waterford, N. Y.
Edward Valve & Mfg. Co. ("Edward," for Superheated Steam, Hydraulic & Boiler Drum Head Stop, etc), Edison bldg, Chicago, Ill.
Fairbanks Co., 416 Broome, New York
Foster Engineering Co. (Automatic Non-Return, etc.), 109 Monroe, Newark, N. J.
French Oil Mill Machinery Co., Piqua, O.
Golden-Anderson Valve Specialty Co. (Automatic), Fulton bldg, Pittsburgh, Pa.
Hancock Inspirator Co., 119 W 40th, New York
Hoffman B. Mfg. Co., 257 6th, Milwaukee, Wis.
Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
**LUNKENHEIMER CO.** ("Renewo," "Ferrenewo," "Clip," "Victor," "Handy"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McAlear Mfg. Co., 1901 S Western av, Chicago, Ill.
McMann & Taylor Co., 104 John, New York. *See adv index at end of book*
McShane Bell Foundry Co., Harford av & B & O R R, Baltimore, Md.
New Bedford Valve Mfg. Co. (Also Automobile Stop), New Bedford, Mass.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P. & C." Check), Hartford, Conn.
Rensselaer Valve Co., Troy, N. Y.
Ruggles-Klingemann Mfg. Co. ("R.-K."), Salem, Mass.
Schutte & Koerting Co. ("Schutte" Locomotive & All Steel Body), 1251 N 12th, Phila., Pa.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
Strong Carlisle & Hammond Co. ("Strong" Automatic Non-Return), 336 Frankfort av, N W, Cleveland, O.
Thompson J. & Co., Van Horn & Sophia, Philadelphia, Pa.
Utica Valve & Fixture Co., Utica, N. Y.
Vulcan Brass Mfg. Co. ("Paragon"), 24 Noble Court, Cleveland, O.
Walworth Mfg. Co. (Automatic), Boston, Mass.
Whitcomb Geo. D. Co. ("Whitcomb," For Copper & Other Mines), Rochelle, Ill.
Wood R. D. & Co., 400 Chestnut, Phila., Pa.
Yarnall-Waring Co. ("Caskey-Simplex," Hydraulic), Harrison bldg., Phila., Pa.

## 16401a— Valves (Stop Check)

Hennebohle Frank (Automatic), 81st & S Chicago av, South Chicago, Ill.
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive offices and factories Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Schutte & Koerting Co., 1251 N. 12th, Phila, Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 16402—Valves (Street Sprinkling)

Everlasting Valve Co., 2 Rector, New York
Hoffmann B. Mfg. Co. ("Heim"), 257 6th, Milwaukee, Wis.
Jones Jas. Co., 201 Leroy, Los Angeles, Cal.
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 16403—Valves (Sugar Wagon)

McNab & Harlin Mfg. Co., 55 John, New York

## 16404— Valves (Super-heat)

Ashton Valve Co. ("Ashton," Safety), 161 First, Cambridge, Mass.
Chapman Valve Mfg. Co. ("Chapman"), Indian Orchard, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Darling Valve & Mfg. Co., Williamsport, Pa.
Jenkins Bros., 80 White, New York
**LUNKENHEIMER CO.** ("Victory"), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Nelson Valve Co., Harrison bldg., Phila., Pa.
Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
Pratt & Cady Co. ("P & C"), Hartford, Conn.

## 16405—Valves (Surgical Laboratory & Sink)

Speakman Supply & Pipe Co. ("Speakman" Foot Action, Pedal, etc.), Wilmington, Del.

## 16406— Valves (Syphon)

American Pin Co. ("Ampinco"), Waterbury, Conn.
Exeter Brass Works ("N. H."), Exeter, N. H.
Frost Mfg. Co. (Brass), Kenosha, Wis.
Hall Mfg. Co., Harrison, N. J.
McShane Bell Foundry Co., Harford av & B. & O. R. R., Baltimore, Md.
Miller Chas. A. Co. (Cone for High Tanks), Sturgis, Mich.

## 16407— Valves (Tank)

American Valve & Meter Co., Cincinnati, Ohio
Atwood & Morrill ("XXth Century"), 48 Loring av, Salem, Mass.
Boston Brass Co. ("B. B."), 135 Bacon, Waltham, Mass.
*See adv index at end of book*
Caldwell W. E. Co., Louisville, Ky.
Crane Co. (Est. 1855), (Float), 836 S. Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
Dececo Co., 157 High, Boston, Mass.
Engineers Appliance Co. ("Hydromatic"), Cleveland, O.
Everlasting Valve Co., 2 Rector, New York
Exeter Brass Works, Exeter, N. H.
Fisher Governor Co., Marshalltown, Ia.
Ford Thomas P. Co. ("Ford" High Pressure), 407 Broome, New York
Foster Engineering Co. (Steam & Water), 109 Monroe, Newark, N. J.
Golden-Anderson Valve Specialty Co. ("Anderson"), Fulton bldg, Pittsburgh, Pa.
Hinman D. A. & Co. ("Enterprise"), Sandwich, Ill.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv index at end of book*
McAlear Mfg. Co. (For Cold or Hot Water), 1901 S Water, Chicago, Ill.
McDonald A. Y. Mfg. Co., Dubuque, Ia.
Nelson Valve Co., Harrison bldg., Phila., Pa.
Phillips Flushing Tank Co., 66 Batterymarch, Boston, Mass.
**PITTSBURGH-DES MOINES STEEL CO.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
Rundle-Spence Mfg. Co. ("Georgia"), 63 2nd, Milwaukee, Wis.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Standard Brass & Iron Works (For Brewers, etc), 1820 St. Paul av, Milwaukee, Wis.
Trenton Brass & Machine Co., Trenton, N. J.
Waters Governor Co., 141 Milk, Boston, Mass.
Watertown Specialty Co. ("Watertown" Automatic Oil), Watertown, N. Y.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 16408—Valves (Tanner Operating

Pittsburgh Valve, Foundry & Constructio Co., 26th & A. V. R. R. Pittsburgh Pa.

## 16409— Valves (Thermostat)

American Thermostat Co. ("Marvel"), 2 Jelliff av, Newark, N. J.
Hoffman Heater Co. ("Hoffman"), Lora Ohio
Illinois Engineering Co. ("Illinois"), 21st & Racine av, Chicago, Ill.
National Steam Specialty Co. ("National" 16 S Clinton, Chicago, Ill.
Yoder-Thomas Mfg. Co. ("Wentz"), Eng neers' Bldg, Cleveland, O.

## 16410— Valves (Throttle)

Buckeye Iron & Brass Works (High Pre sure, Quick Opening Balance), Da ton, Ohio
Crane Co., Bridgeport, Conn.
Crane Co. (Est. 1855), 836 S. Michigan a Chicago, Ill.
*For branch offices see Alphabetical Section*
Detroit Lubricator Co. ("Detroit Pendry" Detroit, Mich.
Everlasting Valve Co., 2 Rector, New Yo
Fairbanks Co., 416 Broome, New York
Fire & Gas Appliance Co., 1906 Wya dotte, Kansas City, Mo.
Haydenville Co. ("Peerless"), Haydenvil Mass.
Hennebohle Frank (Balanced for Ste Reversing Engines), So. Chicago, Il
*See adv index at end of book*
Hoffman B. Mfg. Co., 257 6th, Milwauk Wis.
Kelly & Jones Co., 135 Water, Pittsbur Pa.
Knox Mfg. Co. (For Drills), 821 Cher Phila., Pa.
Larkin J. K. & Co., 34 Reade, New Yor
*See adv index at end of book*
**LUNKENHEIMER CO.** Executive Office Factories: Beekman & Waverly, C cinnati, O. *See adv index at end of boo*
McNab & Harlin Mfg. Co. (Brass & I Body), 55 John, New York
Mead-Morrison Mfg. Co. (Straightway Balanced), Prescott & Orleans, B ton, Mass.
Nelson Valve Co., Harrison bldg, Phi Pa.
Oil Well Supply Co., 215 Water, Pittsbur Pa.
Pekor Chas. F. ("Sawyers"), Columb Ga.
Pittsburgh Valve, Foundry & Construct Co., 26th & A. V. R. R., Pittsbur Pa.
Powell Wm. Co. ("Ready," "Tita "Giant"), Cincinnati, O.
*See adv index at end of book*
Pratt & Cady Co. ("P. & C."), Hartfo Conn.
Schutte & Koerting Co., 1251 N 1 Phila., Pa.
Simmons John Co., 110 Centre, New Y
*See adv index at end of book*
Stephens Roe Mfg. Co. ("Goldsmith 1097 McKinley, Detroit, Mich.
Strong, Carlisle & Hammond ("Strong"), 336 Frankfort av, N Cleveland, O.
Williams Wm. E. ("wew"), 62 Fr New York

## 16411— Valves (Tire)

Schrader's A. Son, Inc. ("Schrader" U versal for Bicycles, Motorcycles, A mobiles, etc), Brooklyn, N. Y.

## 16412—Valves (Track Sander)

Ohio Brass Co. ("O. B." Diaphragm, Ma field, O. *See adv index at end of book*

## 16413— Valves (Transfer)

Pittsburgh Valve, Foundry & Construc Co., 26th & A. V. R. R., Pittsbur Pa.

## 16414-5—Valves (Tubular Well)

American Well Works, Aurora, Ill.
Crestline Mfg. Co., Crestline, O.
Mark Mfg. Co., Evanston, Ill.
Oil Well Supply Co., 215 Water, Pi burgh, Pa.

## Valves (Tuyere)

See Cocks, Tuyere

## 16416-7-8—Valves (Underwriters' Water Relief)

**American Steam Gauge & Valve Mfg. Co.,** 208 Camden st, Boston, Mass.
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
Columbian Iron Works ("Columbian"), Chattanooga, Tenn.
**CROSBY STEAM GAGE & VALVE CO.,** ("Crosby"), 40 Central, Boston, Mass. *See adv index at end of book*
Everlasting Valve Co., 2 Rector, New York
**LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.** ***See adv index at end of book***

## 16419— Valves (Vacuum)

**Bottum Valve Co., 211 W Schiller, Chicago, Ill.**
Dexter Engineering Co., Inc., Providence, R. I.
Economy Vapor Heating Co., Merchants' National Bank bldg, Omaha, Nebr.
Fairbanks Co., 416 Broome, New York
Marsh Valve Co., Erie, Pa.

## 16420—Valves (Vacuum, Automatic Air)

Beaton & Cadwell Mfg. Co. ("Vaco"), New Britain, Conn.
Belfield H. Co., 435 N Broad, Phila., Pa.
Bridgman Bros. Co. ("Bridgman" D for Vacuum Heating), 131 S 31st, Phila., Pa.
**Consolidated Engineering Co. ("Van Auken"), 507 W Jackson blvd, Chicago, Ill.**
Fulton Co. ("Sylphon"), Knoxville, Tenn.
Illinois Engineering Co., W 21st & Racine av, Chicago, Ill.
**Klipfel Mfg. Co. ("K. & T."), 2651 W Harrison, Chicago, Ill.**
L. B. Brass Co. ("Donnelly"), Peabody,
National Steam Specialty Co. ("National"), 16 S. Clinton, Chicago, Ill.
Open Coil Heater & Purifier Co. ("Stickle" Thermic), Indianapolis, Ind.
Simonds Heating & Specialty Co. ("Simonds"), Grand Rapids, Mich.
Simplex Valve & Meter Co., 110 N Broad, Phila., Pa.
Watts Regulator Co. ("Watts"), Lawrence, Mass.

## 16421—Valves (Vacuum Heating)

**D. G. C. Valve Co., 18 E 41st, New York**
Detroit Lubricator Co., Detroit, Mich.
Dole Valve Co., 1923 Carroll, Chicago, Ill.
Jenkins Bros., 80 White, New York
Marsh Valve Co., Erie, Pa.
Marsh Jas. P. & Co. ("Paul," "Marsh, Thermostatic Paul," "Thermodisk," "Reflux"), 118 S Clinton, Chicago, Ill
**SARCO CO., INC.** ("Sarco"), 8 Park pl, New York *See adv index at end of book*
Smolensky M. Mfg. Co., Jasper av & Ridge rd, Cleveland, O.

## 16422— Valves (Vault)

**Meerhoff H. H. (For Outdoor Closets with Sewer Connections), Richmond, Ind.**

## 16423— Valves (Vento)

National Steam Specialty Co. ("National," Fan Blast Work, Indirect & **Vento Radiation), 16 S Clinton, Chicago, Ill.**

## 16424—Valves (Washing Machine)

McMaster-Carr Supply Co. ("Ideal" Automatic), 174 N Market, Chicago, Ill.

## 16425—Valves (Water Cooled)

Blaw-Knox Co., Freeport rd, Hoboken, Pa.

## 16426—Valves (Water Relief)

**American Steam Gauge & Valve Mfg. Co.,** 208 Camden st, Boston, Mass.
Ashton Valve Co. ("Ashton"), 161 First, Cambridge, Mass.
**Consolidated Safety Valve Co. ("Consolidated" for Fire Pumps, Pumping Stations & Hydraulic Elevators, etc), 119 W 40th, New York**
**Crane Co. (Est 1855), 836 S Michigan av, Chicago, Ill.**
***For branch offices see Alphabetical Section***
**CROSBY STEAM GAGE & VALVE CO.,** ("Crosby"), 40 Central, Boston, Mass. *See adv index at end of book*
Davis G. M. Regulator Co. (Also Semi-Balanced Seated), 434 Milwaukee av, Chicago, Ill.
d'Este Julian Co., 26 Canal, Boston, Mass. *See adv index at end of book*
Everlasting Valve Co., 2 Rector, New York
**KUNKLE VALVE CO.,** 825 Barr, Fort Wayne, Ind. *See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
Lonergan J. E. Co., 211 Race, Phila., Pa.
**LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.** ***See adv index at end of book***
McDonald A. Y. Mfg. Co. ("Diamond"), Dubuque, Ia.
**Mason Regulator Co. ("Mason"), 1192 Adams, Boston, Mass.**
***See adv index at end of book***
Nason Mfg. Co., 71 Fulton, New York
Powell Wm. Co., Cincinnati, O. *See adv index at end of book*
Ross Valve Mfg. Co. ("Trojan"), 9 Oakwood av, Troy, N. Y.
Simmons John Co., 110 Centre, New York *See adv index at end of book*
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
**Stephens Roe Mfg. Co. ("Scot"), 1097** McKinley, Detroit, Mich.
Valle-Kimes Co. ("V. & K."), Dayton, O.
Walworth Mfg. Co., Boston, Mass.
**Watson & McDaniel Co., 146 N 7th, Phila., Pa.**

## 16427—Valves (Water Sealed)

**Beaton & Cadwell Mfg. Co. ("Gem No. 4," "Welby Special," "Jumbo" Perfection), New Britain, Conn.**

## 16428— Valves (Whistle)

Buckeye Iron & Brass Works, Dayton, O
**Crane Co., Bridgeport, Conn.**
**Crane Co. (Est 1855), 836 S Michigan av, Chicago, Ill.**
***For branch offices see Alphabetical Section***
Crosby Steam Gage & Valve Co. ("Crosby"), 40 Central, Boston, Mass *See adv index at end of book*
Homestead Valve Mfg. Co. ("Homestead"), Homestead, Pa.
Jenkins Bros., 80 White, New York
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
**LUNKENHEIMER CO., Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.** ***See adv index at end of book***
**McNab & Harlin Mfg. Co., 55 John, New York**
Nason Mfg. Co., 71 Fulton, New York
**Ohio Brass Co. (Air), Mansfield, O.**
*See adv index at end of book*
O'Malley-Beare Valve Co. ("Multiplate"), **Railway Exchange bldg, Chicago, Ill.**
**Powell Wm. Co. (Plain or Balanced), Cincinnati, O.** *See adv index at end of book*
**Simmons John Co., 110 Centre, New York**
*See adv index at end of book*
Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
**Williams D. T. Valve Co., Cincinnati, O**

## 16429— Valves (Y)

Cleveland Pneumatic Tool Co. (Pneumatic), 3734 E 78th, Cleveland, O.
**Crane Co., Bridgeport, Conn.**
Jenkins Bros., 80 White, New York
**LUNKENHEIMER CO.** ("Renewo"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**Portland Co. (Bronze), Portland, Me.**
**Powell Wm. Co., Cincinnati, O.**
*See adv index at end of book*
**Pratt & Cady Co. ("P. & C."), Hartford, Conn.**
Williams D. T. Valve Co., Cincinnati, O.

## 16430—Valves & Bands (Water Pipe Tapping)

**Union Water Meter Co., Worcester, Mass.**

## Vanadium

**See Ferro, Vanadium**

## 16431— Vanadium-Copper

Metal & Thermit Corp., 120 B'way, New York *See adv index at end of book*

## 16432— Vanillin

**Monsanto Chemical Works, St. Louis, Mo.**

## 16433— Vanners (Frue)

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Galigher Machinery Co. ("Isbell"), Salt Lake City, Utah
Hallidie Company (Iron Frame), Spokane, Wash. *See adv index at end of book*

## 16434— Vans (Moving)

**Milburn Wagon Co., Toledo, O.**
Schurmeier Wagon Co., 9th & B'way, St. Paul, Minn.
Winkler-Grimm Corp., South Bend, Ind.

## 16435—Variable Speed Transmission

See also Gears, Reduction for Motors
**American Rotary Pump, 67 Hampden,** Boston, Mass.
Colonial Supply Co., 217 Water, Pittsburgh, Pa. *See adv index at end of book*
Evans Friction Cone Co. ("Evans"), **Newton Center, Mass.**
Goodman Machine & Tool Co., 50 Church, New York
**Horton Mfg. Co., 3008 University av, Minneapolis, Minn.**
**Lentz-Schebler Co. (Pulleys), Indianapolis, Ind.**
Meese & Gottfried Co., 660 Mission, San Francisco, Cal.
Moore & White Co., N 15th & Lehigh av, Phila., Pa.
O'Kelly Gregory, 567 W. Jackson blvd, Chicago, Ill.
Phenix Iron Works, Winona, Minn.
Reeves Pulley Co. ("Reeves" System), **Columbus, Ind.**

## 16436— Variators

American District Steam Co. (Single & Double Expansion), North Tonawanda, N. Y.

## Varnish (Armature & Field Coil)

**See Varnishes, Insulating**

## 16437— Varnish Cloth

**American Mica Co. ("Puritan"), Newton Lower Falls, Mass.**
Essex Varnish Co. (Aeroplane Cloth), 218 **McWhorter, Newark, N. J.**
Fleig L. L. & Co., 212 W Austin av, Chicago, Ill. *See adv index at end of book*

## 16438— Varnish Gums

Apelt Herman (Imp), 76 Wall, New York
Bauer Phillip Co. (Damar), 25 W B'way, New York
**Cameron R. W. & Co. (Imp Kauri), 23 S** William, New York
Carleton E. Everett & Co. (Imp.), **copal,** damar, pontiawak, **133 Front, New** York
Dunn J. T. Co., Inc. (Imp.), 216 Pine, San Francisco, Cal.
*See adv index at end of book*
Fuerst Bros. & Co., 2 Stone, New York
Gillespie L. C. & Sons (Kauri, Damar & Copal), 8 Fletcher, New York
Gravenhorst & Co. (Copal) (Imp), **96** Wall, New York
Gross Otto (Imp), 66 Beaver, New York
Hartman Bros., Inc. (Imp. Damar), 641 Atlantic av, Boston, Mass.
Isenstein Otto & Co. (Copal & Damar Imp), 132 Front, New York
Klipstein A. & Co. (Kauri, Damar & Copal), 644 Greenwich, New York
Mauer E. Co. (Imp.) (Copal), 80 Maiden la, New York
Meyer J. & Sons (Kauri, Copal, Damar), 537 Phila. Bourse, Phila., Pa.

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Patterson G. W. S. & Co. (Kauri, Damar & Copal), 135 Front, New York
Pauli Hermann (Copal), 80 Pine, New York
Scheel Wm H. (Kauri, Damar & Copal), 159 Maiden la, New York
*See adv index at end of book*
Tappenbeck W. (Imp.), 106 Wall, New York
Windmuller L. & Roelker (Copal), 20 Reade, New York
Winterbourne S. &. Co. (Kauri, Damar & Copal), 94 Pine, New York

## 16439— Varnish Mfrs.

### CALIFORNIA.

ALAMEDA—Worden Meeker Varnish Co. of San Francisco
OAKLAND—California Paint Co.
SAN FRANCISCO—Bass-Hueter Paint Co. 816 Mission
Fuller W. P. & Co., 301 Mission
Remolite Paint Co.
San Franscisco Pioneer Varnish Wks., 816 Mission
Tamm & Nolan Co., 151 Potrero av
Worden Meeker Varnish Co.
Yates & Co., 762 Folsom

### COLORADO.

DENVER—Baum Bros. Co.
McMurtry Mfg. Co.

### CONNECTICUT.

BRIDGEPORT—American Lacquer Co.
Crockett D. B. Co. ("Opal Gloss" Spar)
Parrott Varnish Co. ("Parrott" Auto)
MIDDLETOWN—Smith J. O. Mfg. Co.
NEW HAVEN—Booth & Law Co.

### DELAWARE.

WILMINGTON—Bradford James Co.
du Pont (E. I.) de Nemours & Co. (Paint & Varnish Sales Div)

### GEORGIA.

ATLANTA—Cooledge F. J. & Sons
Southern Paint & Varnish Wks. ("S. P. V. W.")
AUGUSTA—O'Connor & Schweers Paint Co.

### ILLINOIS.

CHICAGO—Adams & Elting Co. ("Ad-El-Ite," Floor 103, "Spar-Ite"), 726 Wash blvd
American Varnish Co. (Railway Carriage & Cabinet), 1140 N Branch
Armstrong Paint & Varnish Works ("Varnolin"), 2502 S Paulina
Atlantic Drier & Varnish Co., 3909 Sheridan rd
Barrett Varnish Co., 233 W Lake
Bennett Varnish Co. ("Carbeno"), 2215 Elston av
Chicago Varnish Co., 2100 Elston av
Cooper-Belt Varnish Co., 2606 Federal
Crown Varnish & Enamel Co., 2322 N Seeley av
Day James B. & Co., 214 W Ohio
Devoe & Raynolds Co., 14 W Lake
Elliott Varnish Co. ("Roof Leak"), 1013 S Kolmar av
Elmendorf Varnish Co., 841 Larrabee
Ernecke & Salmstein Co., 944 W North av
Franche C. E. & Co., 440 Orleans
Grace Varnish Co., 1014 Larrabee
Martin-Senour Co., 2520 Quarry
Nikolas G. J. & Co., 1227 W Van Buren
Nubian Paint & Varnish Co. ("Victory," "Everlastine," "Re - Vi-Var"), 1856 Leclair av
Stewart, Mowry Co., 3218 Shields av
Sullivan Varnish Co., 410 Hart
Tousey Varnish Co., 520 W 25th
Twin City Varnish Co., 340 River
Unkefer Geo. R. Co., 1827 Le Clair av,
Vilas Bros, 717 S 5th av
Washburn Thos. F. Co., 2213 Lister av
Watson Geo. E. Co., 62 W Lake
Wheeler Varnish Works, 2260 Elston av
PEORIA—Globe Mfg. Co.
ROCKFORD—Rockford Varnish Co.
SPRINGFIELD—Kinsella Varnish Co.
ZION CITY—Bereda Mfg. Co.

### INDIANA.

INDIANAPOLIS—Indianapolis Varnish Co.
Lilly Varnish Co.
SHELBYVILLE—Lindeman Wood Finish Co.
SOUTH BEND—O'Brien Varnish Co. ("O'Brien")
VALPARAISO—Parker Chas. H. Co.

### IOWA.

WATERLOO—Waterloo Varnish Mfg. Co.

### KENTUCKY.

LOUISVILLE—Long C. R. Jr. & Co.
Louisville Varnish Co.
Sun Varnish Co.

### LOUISIANA.

NEW ORLEANS—Union Varnish Co. (A. Riggs & Bro., Props.), 3d & Claibourne

### MAINE.

PORTLAND—Fuller August P. Co.

### MARYLAND.

BALTIMORE—Baltimore Varnish Works, Severn & Bayard
Chesapeake Oil Co., Ostend & Leadenhall
Davis H. B. Co., Bayard & Severn
Macheal Jas. B. & Co., Warner & Wooster
Popplein G. & N., 220 Guilford

### MASSACHUSETTS.

BOSTON—Babcock J. & Co., Allston
Babcock Varnish Co., 144 High
Boston Varnish Co., Everett Station
Burbank & Ryder
Carpenter-Morton Co. ("Campbell"), 77 Sudbury
King E. & F. & Co., 367 Atlantic av
New England Oil, Paint & Varnish Co., Waters av
Wadsworth, Howland & Co. ("Bay State"), 141 Federal
CHELSEA—Miller Lyman M. (Est. of)
Nico Varnish Co.
EVERETT—Boston Varnish Co.
Nolst Varnish Co.
MIDDLEBORO—Shaw Geo. H. Co.
NORFOLK DOWNS—Norfolk Varnish Co.
SPRINGFIELD—Hampden Paint & Chemical Co.
Wadsworth Howland & Co.

### MICHIGAN.

BATTLE CREEK—Battle Creek Roofing & Mfg. Co.
DETROIT—Acme White Lead & Color Works, St Aubin & M. C. R. R.
Berry Bros.
Boydell Bros. White Lead & Color Co., 40 E Lafayette
Cadillac Varnish Works, 31 Eastern p
Detroit Varnish Co., 560 E Milwaukee
Detroit White Lead Works, 560 E Milwaukee
McNamara Michael Varnish Works, Clark & M C R R
Peninsular Paint & Varnish Co., St. Aubin & M. C. R. R.
Trus-con Laboratories
GRAND RAPIDS—Grand Rapids Varnish Co.
Grand Rapids Wood Finishing Co.
PONTIAC—Pontiac Varnish Co.
FLINT—Flint Varnish & Color Works

### MINNESOTA.

ST. PAUL—St. Paul White Lead & Oil Co.
Water & Starkey
Twin City Varnish Co. ("Best-Yette," "Wearette"), 521 Cleveland av

### MISSOURI.

KANSAS CITY—Seidlitz Varnish Co., 18th & Garfield
Southwestern Paint & Varnish Co.
ST. LOUIS—Campbell Glass & Paint Co., 816 N 7th
Certain-teed Products Corp., Boatman's Bank bldg
Gregg Varnish Co., Grand & McKissock av
Missouri Paint & Varnish Co., 514 De Soto
Mound City Paint & Color Co., 11th & Mullanphy
Price Varnish Co., 2115 Singleton
Robbins A. Varnish Co., 1537 N 8th
Sealwood Co., 5072 Delmar
Vane-Calvert Paint Co., 1601 N B'way

### NEW JERSEY.

CAMDEN—Clement Coverall Co.
Certain-teed Products Corp.
FANWOOD—Bond Varnish Co.
GIBBSBORO—Lucas John & Co.
HOBOKEN—Hotopp Varnish Co.
Shaffer Color & Varnish Corp
JERSEY CITY—Aspinwall Geo. H., Corneilson av
Gillespie Chas. H. & Sons, Dey
New Jersey Paint Works (Loudenbough Hy, Prop), Wayne
Woolsey C. A. Paint & Color Co., 490 Grand
NEWARK—Anglo-American Varnish Co., 55 Johnson

Armitage Jno. L. & Co., 54 Dawson
Beckwith-Chandler Co., 203 Emmett
Bigelow Varnish Co., 81 Oliver
Brooks Clarence & Co., 249 Chestnut
Continental Varnish Co.
Devoe F. W. & C. T. Reynolds Co. 223 N. J. R. R. av
(See New York City)
Essex Varnish Co., 218 McWhorter
Flood & Conklin Co., 132 Chestnut
Murphy Varnish Co., 224 McWhorter
Newark Varnish Works, Delancy e Adams
Palmer Price Co., 270 Chestnut
Patton Paint Co., ft Chester av
Pitcairn Varnish Co., ft Chester av
Reliance Varnish Works, 104 Johnson
PLAINFIELD—Price-Bond Varnish Wks

## NEW YORK.

BINGHAMTON—Collier H. C & Sons
BROOKLYN—(See New York City, Borough of Brooklyn)
BUFFALO—Beaver Varnish Co.
Buffalo Oil, Paint & Varnish Co.
Century Mfg. Co., 272 W Genesee
Century Varnish Co., 272 W Genesee
Harland Wm & Son
McDougall Varnish Co., 24 Evans
Pratt & Lambert (Inc.)
ELLENVILLE—Ulster Paint Works
JAMESTOWN—Jamestown Wood Finishing Co.
LONG ISLAND CITY—(See New York City, Borough of Queens)

## NEW YORK CITY.

### Borough of Brooklyn.

BROOKLYN—Ambroid Co. (For Hat Blocks & Aeroplanes), 227 Miller av
American Varnish Works, 425 Greenpoint av
Booden & Son ("K-A-U-R-I"), 243 N 9th
Brooklyn Varnish Mfg. Co., 85 Nostrand av
Brown Chas. H. Paint Co., 262 Fulton, New York
Carter C. W. H. (Firm of), Columbia Hildreth Varnish Co., 77 N 12th
Hilo Varnish Corp., Marcy & Flushing avs
Howe Varnish Co., 253 Norman av
Keystone Varnish Co. ("Keystone"), 71 Otsego
King Paint Mfg. Co., 449 Kent av
Masury John W. & Son, 50 Jay
Moore Benj. & Co., 231 Front
Pierce F. O. Co., 30 Tiffany pl
Valentine & Co., 364 Manhattan av
Wood & Van Derwerken Varnish Co., 33 Wythe av

### Boroughs of Manhattan and Bronx.

NEW YORK—Amalgamated Paint Co. ("Amalco" Amalgamated), Pier 11, North River
Anderson T. P., 304 Madison av
Androvette & Townsend (Shellac), 335 Water
Barclay Naval Stores Co. (Rosin Varnish), 44 Whitehall
Beckwith, Chandler Co., 5th av & 32d
Behlen H. & Bro., 371 Pearl
Berry Bros., 262 Pearl
Calman Emil & Co., 100 William
Carter C. W. H. (Lithographers'), 3 Ferry
Congress Varnish Works, 114 Maiden Lane
De Bar Co., 1 State
DEVOE & RAYNOLDS CO., INC., 101 Fulton *See adv index at end of book*
Dunham Thos. C., 68 Murray
Excelsior Varnish Works, 261 B'way
Feigel M. & Bro., 185 Wooster
Gerstendorfer Bros. ("Sapolin"), 221 E 42d
Gimbel Geo. & Co., Inc., 24 Stone
Hildreth Varnish Co., 90 West
Longman & Martinez ("Bull Dog"), 54 Maiden la
Louderback A. E. (Imp), 75 Murray
Mayer & Loewenstein ("Adamant"), 164 Water
Mayns & Co. (Brewers' Varnish), 13 Water
Mogul Co., 45 W 34th
Mott Haven Color Works, 395 Mott av
Payson Varnish Co., 141 1st & Walnut av
Pierce F. O. Co., 10 E 43d
Pomeroy & Fischer (Imp), 95 Madison av
Pratt & Lambert ("Sixty-One"), 185 Madison av
Rogers-Pyatt Shellac Co. (Shellac), 81 Water
Schlegel Oscar Mfg. Co., 124 E 13th
Sonneborn L. Sons, 262 Pearl
Standard Varnish Works ("Elastica" Railroad, Marine, House, etc), 90 West
Toch Bros., 320 5th av
Valentine Co., 456 4th av
Victorson Varnish Co., 100 William
Winterbourne S. & Co., 94 Pine
Zinsser Wm. & Co., 195 William

### Borough of Queens.

COLLEGE POINT—Chilton Paint Co.
GLENDALE STATION—Lion Varnish Wks
LONG ISLAND CITY—Calman Emil & Co., Vernon av
Chase Roberts & Co. ("Kismet," "Ozonite"), West av
Fenner Geo. L., West av
Horn-Holland Co., Hancock
Mayer & Lowenstein, 348 Vernon av
National Varnish Co., 153 West av
Smith Edw. & Co., 127 West av
Thibaut & Walker Co., 9th & West av
United Varnish Co. (Varnish for all Purposes), 248 Green
Willey C. A. Co., Hancock

### Borough of Richmond.

ELM PARK—Standard Varnish Works ("Elastica," Railroad, Marine, House, etc), 2589 Richmond ter (End of New York City)
SCHENECTADY—Schenectady Varnish Co.
TROY—DeGolyer Varnish Works

## OHIO.

AKRON—Akron Varnish Co.
CANTON—Arlington Mfg. Co.
CINCINNATI—Ault & Wiborg Co. (Finishing Varnishes & Japans)
Becker R. A. Varnish Co., Harrison av & Garrard
Blackburn Varnish Co., Dana & Floral Evanston
Bord Varnish Co., 202 Main
Cincinnati Varnish Co., 2111 South
Foy Paint Co., 230 E 5th
Johnston R. F. Paint Co., Pearl & Main
Queen City Varnish Co., Montgomery rd & Dana av
Richmond Bros., 616 Main
United States Varnish Co., 2616 Colerain
Wolf Herman & Co., 214 W Liberty
CLEVELAND—Arco Co., Euclid av & E 65th
Billings-Chapin Co., 1163 E 40th
Bond Paint & Varnish Co., E 81st
Bulger Wm. Varnish Co., 3053 E 87th
Canfield Oil Co., 3210 E 55th
Cleveland Varnish Co., 3111 E 87th
Continental Products Co., Quebec av
Cuyahoga Varnish Co., 8820 Bessemer av
Day B. T. & S. P. Co., 2394 Canal rd
Diamond Paint & Varnish Co., Champlain av
Empire Varnish Co., 2638 E 76th
Excelsior Varnish Works, 1242 W 74th, N W
Federal Process Co. ("Federal Gasoila")
Forest City Paint & Varnish Co., 3334 Lakeside av
Fuller Ralph L. & Co., Guardian bldg
Glidden Co. ("Jap-a-lac"), Madison av & Berea rd
Klein Mfg. Co., Amer. Trust bldg
Moore Benj. & Co., E 71st & Belt Line Ry.
National Paint & Varnish Co., 8709 Kinsman rd
Ohio Varnish Co. ("Chi-Namel"), 8604 Kinsman
Patterson-Sargent Co. ("B. V. S.," "Nobrac"), 1325 E 38th
Peerless Paint & Varnish Co., Hippodrome Annex
Robertson Paint & Varnish Co., 9808 Meech av
Sherwin-Williams Co.
Standard Paint & Lead Wks
Ullman-Philpott Co., 4805 Lexington
Van Camp Varnish Co., E 71st & Belt Line
Vaughan Paint Co., Columbus & Big 4
Western Reserve Varnish Co., 1251 Marquette
Wright Varnish Co., Schoefield bldg
COLUMBUS—Columbus Varnish Co.
DAYTON—Kay & Ess Co.
Lowe Bros. Co.
Thresher Varnish Co.
Tower Varnish & Dryer Co.
MARIETTA—Marietta Paint & Color Co.
Northwestern Chemical Co. ("Automobile," "Norwesco")
TOLEDO—Blayz Paint & Varnish Co. ("Blayz"), Spencer
Buckeye Paint & Varnish Co.
Hardy Paint & Varnish Co.
Royal Varnish Co.
WEST PARK—Forbes Varnish Co.

## PENNSYLVANIA.

HANOVER—Acme Extract & Chemical Works (E. G. Eckert, Prop.)
JAMESTOWN—Jamestown Paint & Varnish Co.
JOHNSTOWN—Cambria Paint & Color Co.
NORRISTOWN—Norristown Varnish Co. (Ltd.)
PHILADELPHIA—Adams Thos. J. & Co., 3605 N 4th
Atlantic Drier & Varnish Co., Meadow & Wolf
Bean Lewis U. Co., 932 Cherry
Bridgeport Wood Finishing Works (Du Pont)
Coyne Bros. Varnish Co., N 2d & Pike
Denny Hilborn & Rosenbach, 230 N 12th
Felton Sibley & Co., 136 N 4th
Flexible Compound Co., 3607 Haverford
French Samuel H. & Co., 4th & Callowhill
Graves N. Z. Corp., 22 S 3d
Grogan H. F. & Co., 2113 E Sergeant
Howell C. H. & Co., 212 Race
Lawrence-McFadden Co., 1400 Fkd. av
Lucas John & Co., 322 Race
McCloskey Varnish Co., S 30th, e Locust
Metropolitan Paint & Varnish Co., 322 Race
Nice Eugene E. ("Nice"), 272 S 2d
Pecora Paint Co., 4th & P. & R. R. R.
Phoenix Paint & Varnish Co., 124 Market
Schrack C. & Co., 152 N 4th
Shoemaker Robt. & Co., 4th & Race
Spruance-Gilbert Co., 312 N 3rd
THOMSON WOOD FINISHING CO., 329 N 3d *See adv index at end of book*
Trainer Walter L. Co., 3328 Germantown
Watrous Varnish Co., 20th & Tasker
Wetherill Geo. D. & Co., 114 N Front
Wocher H. M. & Son, 1222 W College av
Woodhouse Samuel F. ("Dull Eine"), Unity & Franklin
PITTSBURGH—Eagle Paint & Varnish Co., 225 Galveston
Globe Varnish Co., 6125 Butler
Iron City Oil & Varnish Co., Inwood & Frankstown
Lawrence W. W. & Co. ("Tiger-Brand")
Pittsburgh Varnish Co., 2640 Liberty av
Pruett-Schaffer Chemical Co., Tabor
Sipe Jas. B. & Co., Bessemer bldg
Sterling Varnish Co., Fulton bldg
Suydam M. B. Co., 61st & Butler
Thompson & Co., 857 North av, N. S.
Walters Mfg. Co., Fulton bldg
READING—Wilhelm A. Co.
SHARPSBURG—Atlas Paint Co.
TULLYTOWN—Tully Paint & Varnish Co.
WASHINGTON—Capitol Paint & Varnish Co.

## TENNESSEE.

MEMPHIS—Truc-Tagg Paint Co.

## TEXAS.

HOUSTON—Kuhn's Paint & Varnish Works
Rogers W. H. Paint Mill

VARNISH MFRS.—continued

VIRGINIA.

NORFOLK—American Chemical & Mfg. Co., 617 Monticello av
RICHMOND—Atlantic Varnish Works, Inc.

WASHINGTON.

SEATTLE—Crest Chemical Co. ("Pyroxylin")
Seattle Paint Co.

WEST VIRGINIA.

WHEELING—Blue Ribbon Paint Co.

WISCONSIN.

MILWAUKEE—O'Neil Oil & Paint Co., 297 E Water
Patton Paint Co., Milwaukee Wis.
RACINE—Johnson S. C. & Son

## Varnish Removers

See Paint & Varnish Removers

### 16440— Varnish Renovator

Aquart Mfg. Co. (Cleaning & Polishing), Chemical bldg, St. Louis, Mo.
Columbia Refining Co. ("Columbia" Preservative & Cleaner), 90 West, New York
Imperial Car Cleaner Co., 115 Chestnut, Newark, N. J.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.

### 16441— Varnish Substitutes

Boley C. H. Co. ("Lino-O-Lac"), 3722 N Randolph, Phila., Pa.
Standard Varnish Works, 90 West, New York

### 16442—Varnishes (Architectural)

Arco Co., Euclid av & E 65th, Cleveland, O.
Atlantic Varnish Works, Inc. ("Duralite"), Richmond, Va.
Boston Varnish Co., Everett Station, Boston, Mass.
Chicago Varnish Co. ("Shipoleum"), 2100 Elston av, Chicago, Ill.
Columbus Varnish Co., Columbus, O.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Keystone Varnish Co. ("Trimalite"), 71 Otsego, Brooklyn, N. Y.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2d. Phila., Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
Standard Varnish Works, 90 West. .New York
Valentine & Co., 456 Fourth av, New York

### 16443—Varnishes (Asphaltum)

Akron Varnish Co., Akron, O.
Allentown Mfg. Co., Allentown, Pa.
Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
Arco Co., Euclid av & E 65th, Cleveland, O.
Atlantic Drier & Varnish Co., Meadow & Wolf, Phila., Pa.
Atlantic Varnish Works, Inc., Richmond, Va.
Boston Varnish Co., Everett Station, Boston, Mass.
California Paint Co., Oakland, Cal.
De Bar Co., The, 1 State, New York
*See adv index at end of book*

THE DE BAR CO.
1 State St. New York City
Asphaltum Varnish
Japan Dryers

Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Doggett Stanley, 11 Cliff, New York
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co., 3206 Penn, Pittsburgh, Pa.



French Samuel H. & Co., 4th & Callowhill, Phila., Pa.
Glidden Co., Madison av & Berea rd, Cleveland, O.
Harland Wm. & Son ("Harland"), Buffalo, N. Y.
Hommel O. Co., Hope & Maple, Pittsburgh, Pa.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Kay & Ess Co., Dayton, O.
Lilly Varnish Co., Indianapolis, Ind.
Lucas Jno. & Co., 322 Race, Phila., Pa.
McCloskey Varnish Co., 30th & Locust, Phila., Pa.
Macneal Jas. B. & Co., Warner & Wooster, Baltimore, Md.
Masury Jno. W. & Son, 50 Jay, Brooklyn, N. Y.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
National Varnish Co., 153 West av, Long Island City, N. Y.
O'Brien Varnish Co., South Bend, Ind.
Parker Chas. H. Co. (Baking & Air Drying), Valparaiso, Ind.
*See adv. index at end of book*

VARNISHES (Asphaltums)
We are the largest manufacturer of Baking and Air Drying Asphaltum Varnish in the United States. Quality and price right.
C. H. PARKER CO.
Valparaiso, Indiana
*Varnish Makers since* 1871

Pratt & Lambert, Buffalo, N. Y.
Riesenman Mfg. Co., Franklin, Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sherwin-Williams Co., Cleveland, O.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
Smith Edw. & Co. (Black), 127 West av, Long Island City, N. Y.
Standard Varnish Works, 90 West, New York
Stall Varnish Co., Louisville, Ky.
Texas Company, 17 Battery pl, New York
*See adv index at end of book*
THOMSON WOOD FINISHING CO., 329 N 3d, Phila., Pa.
*See adv index at end of book*
United Varnish Co., 248 Green, Long Island City, N. Y.
Walters Mfg. Co., Fulton bldg., Pittsburgh, Pa.
Wilhelm A. Co., Reading, Pa.

### 16444—Varnishes (Automobile)

Arco Co., Euclid av & E 65th, Cleveland, O.
Atlantic Varnish Works, Inc. ("Ultra Blac"), Richmond, Va.
Boston Varnish Co., Everett Station, Boston, Mass.
Chicago Varnish Co. ("Chivar-Co."), 2100 Elston av, Chicago, Ill.
Columbus Varnish Co., Columbus, O.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Varnish Works, 90 West, New York
Valentine & Co. (Vanadium), 456 Fourth av, New York
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

### 16445— Varnishes (Baking)

Boston Varnish Co., Everett Station, Boston, Mass.
California Paint Co., Oakland, Cal.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Nice Eugene E., 272 S 2d, Phila., Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Valentine & Co., 456 Fourth av, New York
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

### 16446— Varnishes (Black)

Arco Co., Euclid av & E. 65th, Cleveland, O.
Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
Essex Varnish Co., 218 McWhorter, Newark, N. Y.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Moore Benjamin & Co., 231 Front, Brooklyn, N. Y.
Nice Eugene E., 272 S 2d, Phila., Pa.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Varnish Works, 90 West, New York
Valentine & Co. (In Oil or Japan), 456 Fourth av, New York
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

### 16447— Varnishes (Bronzing)

De Bar Co., The (Liquids), 1 State, New York. *See adv index at end of book*
Murphy Varnish Co., McWhorter, Newark, N. J.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Varnish Works, 90 West, New York

### 16448—Varnishes (Cotton Tie)

Walters Mfg. Co., Fulton bldg., Pittsburgh, Pa.

### 16449—*Varnishes (Embossing)

BINSWANGER B. & CO., 329 N 3d, Phila., Pa.

### 16450— Varnishes (Enameled Leather)

Chase, Roberts & Co., West av, Long Island City, N. Y.
Flood & Conklin Co. (For Renovating Old Carriage Tops), 132 Chestnut, Newark, N. J.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Standard Varnish Works, 90 West, New York

## Varnishes (Floor)

See Floor Finish

### 16451—Varnishes (Insulating)

See also Compounds, Insulating; also Paints, Insulating
Arco Co., Euclid av & E 65th, Cleveland, O.
Benolite Co. (Black), 331 4th av, Pittsburgh, Pa.
Berry Bros., Detroit, Mich.
Calman Emil & Co. ("Ohmlac"), 100 William, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Central Paint & Supply Co. ("Gilsolgloss"), Railway Exch. bldg, St. Louis, Mo.
Chase, Roberts & Co., West av, Long Island City, N. Y.
Chicago Mica Co. ("Crystal"), Valparaiso, Ind.
Columbus Varnish Co., Columbus, O.
Condensite Co. of America, Bloomfield, N. J.
Devoe & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
Dielectric Mfg. Co., 224 S Vandeventer av, St. Louis, Mo.
Dolph John C. Co., 168 Emmett av, Newark, N. J.
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
General Electric Co., Schenectady, N. Y.
*See adv index at end of book*
Handy Supply Co., 11737 Detroit av, Cleveland, O.
Harland Wm. & Son, Buffalo, N. Y.
Hilo Varnish Corp., Marcy & Flushing avs. B'klyn, N. Y.
IMPERVIOUS VARNISH CO., 421 Wood, Pittsburgh, Pa.
Insulatine Co., 1 B'way, New York
Insulating Materials Co., 805 Western av, Detroit, Mich.

**Irvington Varnish & Insulator Co.**, Irvington, N. J.
Lehon Co., 4451 S Oakley av, Chicago, Ill.
*See adv index at end of book*
**Mica** Insulator Co. ("M. I. C.," "Linolac"), 68 Church, New York
**Minerallac** Electric Co., 1045 Washington blvd, Chicago, Ill.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
**New England Oil, Paint & Varnish Co.**, Waters av, Boston, Mass.
Nice Eugene E., 272 S 2d, Phila., Pa.
**Packard Electric Co.**, Warren, O.
Patton Paint Co., Milwaukee, Wis.
**Pyramid Paint Co.**, 133 N 22d, Phila., Pa.
**Redmanol Chemical Products Co.**, 648 W 22nd, Chicago, Ill.
Robertson Chemical Co., 9808 Meech av, Cleveland, O.
**Schenectady** Varnish Co., Schenectady, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
**Sherwin-Williams Co.**, Cleveland, O.
**Smith Edw. & Co.**, 127 West av, Long Island City, N. Y.
**Standard** Paint Co. ("P. & B."), 233 Broadway, New York
**Standard** Varnish Works ("Kwickwork") "Voltalac"), 90 West, New York
**Standard** Varnish Works ("Impregnite"), 90 West, New York
**Sterling Varnish Co.**, Fulton bldg, Pittsburgh, Pa.
Wadsworth, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 16452—Varnishes (Linoleum & Oil Cloth)

**Boston** Varnish Co. ("Kyanize"), Everett Station, Boston, Mass.
**Chase**, Roberts & Co. (Floor & Table), West av, Long Island City, N. Y.
**Chicago** Varnish Co., 2100 Elston av, Chicago, Ill.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
**Shaffer** Color & Varnish Corp., Hoboken, N. J.
**Wadsworth**, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

## 16453— Varnishes (Marine)

**Anglo-American** Varnish Co., 53 Johnson, Newark, N. J.
**Arco** Co., Euclid av & E 65th, Cleveland, O.
**Babcock** John & Co., Allston, Boston, Mass.
**Berry** Bros., Detroit, Mich.
**Boston** Varnish Co., Everett Station, Boston, Mass.
**Brooklyn** Varnish Mfg. Co. ("K-A-U-R-I" Spar), 35 Nostrand av, Brooklyn, N. Y.
**Burbank** & Ryder, Boston, Mass.
**California** Paint Co., Oakland, Cal.
**Chesapeake** Oil Co., Ostend & Leadenhall, Baltimore, Md.
**Chicago** Varnish Co. ("Navalite"), 2100 Elston av, Chicago, Ill.
**Devoe** & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
**French** Samuel H. & Co., 4th & Callowhill, Phila., Pa.
**Harland** Wm. & Son ("Harland"), Buffalo, N. Y.
**Impervious** Varnish Co., 421 Wood, Pittsburgh, Pa.
**Kuhls** H. B. Fred ("Elastic" Deck Varnish), 6413 3d av, Brooklyn, N. Y.
**Lucas** John & Co., 322 Race, Phila., Pa.
**Lilly** Varnish Co., Indianapolis, Ind.
**Louisville** Varnish Co., Louisville, Ky.
**McCloskey** Varnish Co., 30th & Locust, Philadelphia, Pa.
**Masury** John W. & Son, 50 Jay, Brooklyn, N. Y.
**Mott** Haven Color Works, 395 Mott av, New York
**Mound City** Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
**Murphy** Varnish Co., 224 McWhorter, Newark, N. J.
**National** Varnish Co., 153 West av, Long Island City, N. Y.
**Newark** Varnish Works ("Best" Boatspar), 116 Delancy, Newark, N. J.
**Nice** Eugene E., 272 S 2d, Phila., Pa.
**O'Brien** Varnish Co., South Bend, Ind.
**Parker** Charles H. Co., Valparaiso, Ind.
**Parrott** Varnish Co., Bridgeport, Conn.
**Patton** Paint Co., Milwaukee, Wis.
**Pratt** & Lambert, Buffalo, N. Y.
**Shaffer** Color & Varnish Corp., Hoboken, N. J.
**Sherwin-Williams Co.**, Cleveland, O.
**Smith** Edw. & Co., 127 West av, Long Island City, N. Y.
**Standard** Varnish Works ("Oceana"), 90 West, New York
**Toch** Bros. (Spar, etc), 320 5th av, New York
**Valentine** & Co. ("Valspar"), 456 Fourth av, Newe York
**Wadsworth**, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
**Winn** Wm. R. (Jobbers, Spar, etc), 488 Cherry, New York
**Woolsey** C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 16454— Varnishes (Piano)

**Boston** Varnish Co., Everett Station, Boston, Mass.
**Chase**, Roberts & Co., West av, Long Island City, N. Y.
**Chicago** Varnish Co., 2100 Elston av, Chicago, Ill.
**Glidden** Co. ("Skin Cote"), Madison av & Berea rd, Cleveland, O.
**Impervious** Varnish Co., 421 Wood, Pittsburgh, Pa.
**Murphy** Varnish Co., 224 McWhorter, Newark, N. J.
**Standard** Varnish Works, 90 West, New York
**Valentine** & Co., 456 Fourth av, New York

## 16455—Varnishes (Printing & Lithographic)

**Columbus** Varnish Co. (Lithographic), Columbus, O.
**Impervious** Varnish Co., 421 Wood, Pittsburgh, Pa.
**Morrill** Geo. H. Co., Norwood, Mass.
**Standard** Varnish Works, 90 West, New York

## 16456—Varnishes (Railway & Carriage)

**Adams** & Elting Co., 726 Washington blvd, Chicago, Ill.
**American** Varnish Co., 1140 N Branch, Chicago, Ill.
**Anglo-American** Varnish Co., 53 Johnston, Newark, N. J.
**Arco** Co., Euclid av & E 65th, Cleveland, O.
**Babcock** John & Co., Allston, Boston, Mass.
**Beckwith-Chandler** Co., 203 Emmett, Newark, N. J.
**Berry** Bros., Detroit, Mich.
**Bigelow** Varnish Co., 87 Oliver, Newark, N. J.
**Boston** Varnish Co., Everett Station, Boston, Mass.
**Burbank** & Ryder, Boston, Mass.
**Chase**, Roberts & Co., West av, Long Island City, N. Y.
**Chicago** Varnish Co. (Railway, "Ce-Ve" Process), 2100 Elston av, Chicago, Ill.
**Devoe** & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
**Flint** Varnish & Color Wks., Flint, Mich.
**Flood** & Conklin Co., 132 Chestnut, Newark, N. J.
**French** Samuel H. & Co., 4th & Callowhill, Phila., Pa.
**Glidden** Co., Madison av & Berea rd, Cleveland, O.
**Harland** Wm. & Son ("Harland"), Buffalo, N. Y.
**Hildreth** Varnish Co., 90 West, New Work
**Hilo** Varnish Corp., Marcy & Flushing avs, Brooklyn, N. Y.
**Impervious** Varnish Co., 421 Wood, Pittsburgh, Pa.
**Lawrence** W. W. & Co., Pittsburgh, Pa.
**Louisville** Varnish Co., Louisville, Ky.
**Lowe** Bros. Co., Dayton, O.
**Lucas** John & Co., 322 Race, Phila., Pa.
**Martin-Senour** Co, 2520 Quarry, Chicago, Ill.
**Masury** John W. & Son, 50 Jay, Brooklyn, N. Y.
**Mayer** & Loewenstein, 164 Water, New York
**Moore** Benjamin & Co., 231 Front, Brooklyn, N. Y.
**Mott** Haven Color Works, 395 Mott av, New York
**Mound City** Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
**Murphy** Varnish Co., 224 McWhorter, Newark, N. J.
**National** Varnish Co., 153 West av, Long Island City, N. Y.
**Nice** Eugene E., 272 S 2d, Phila., Pa.
**O'Brien** Varnish Co., South Bend, Ind.
**Parrott** Varnish Co., Bridgeport, Conn.
**Patton** Paint Co., Milwaukee, Wis.
**Pratt** & Lambert, Buffalo, N. Y.
**Schenectady** Varnish Co., Schenectady, N. Y.
**Shaffer** Color & Varnish Corp., Hoboken, N. J.
**Sherwin-Williams Co.**, Cleveland, O.
**Smith** Edw. & Co., 127 West av, Long Island City, N. Y.
**Standard** Varnish Works ("Standard"), 90 West, New York
**Valentine** & Co. ("Lawson"), 456 Fourth av, New York
**Wadsworth**, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.
**Woolsey** C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.

## 16457— Varnishes (Rosin)

**Standard** Varnish Works, 90 West, New York
**Wadsworth**, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

## 16458— Varnishes (Rubbing)

**Boston** Varnish Co., Everett Station, Boston, Mass.
**Murphy** Varnish Co., McWhorter, Newark, N. J.
**Nice** Eugene E., 272 S 2d, Phila., Pa.
**Shaffer** Color & Varnish Corp., Hoboken, N. J.
**Sipe** Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
**Standard** Varnish Works, 90 West, New York
**Valentine** & Co. ("Lawson"), 456 Fourth av, New York
**Wadsworth**, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

## Varnishes (Shellac)

See Shellac

## 16459— Varnishes (Spar)

**Arco** Co., Euclid av & E 65th, Cleveland, O.
**California** Paint Co., Oakland, Cal.
**Devoe** & Raynolds Co., Inc. ("Vermosite"), 101 Fulton, New York
*See adv index at end of book*
**Essex** Varnish Co., 218 McWhorter, Newark, N. J.
**Flood** & Conklin Co., 132 Chestnut, Newark, N. J.
**Nice** Eugene E., 272 S 2d, Phila., Pa.
**PARKER C. H. CO.**, Valparaiso, Ind.
*See adv index at end of book*
**Shaffer** Color & Varnish Corp., Hoboken, N. J.
**Sipe** Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
**Standard** Varnish Works, 90 West, New York
**Wadsworth**, Howland & Co. ("Bay State"), 141 Federal, Boston, Mass.

## 16460— Varnishes & Japans (Asphalt)

**Akron** Varnish Co., Akron, O.
**Arco** Co., Euclid av & E 65th, Cleveland, O.
**Atlantic** Varnish Works, Inc., Richmond, Va.
**Barrett** Co., 17 Battery pl, New York
**Boston** Varnish Co., Everett, Mass.
**Burbank** & Ryder, Boston, Mass.
**California** Paint Co., Oakford, Cal.
**Canfield** Oil Co., 3210 E 55th, Cleveland, O.
**Chesapeake** Oil Co., Ostend & Leadenhall, Baltimore, Md.
**Day** Jas. B. & Co., 214 W Ohio, Chicago, Ill.
**Devoe** & Raynolds Co., Inc., 101 Fulton, New York *See adv index at end of book*
**Doggett** Stanley, 11 Cliff, New York
**Essex** Varnish Co., 218 Whorter, Newark, N. J.
**Ford** Mfg. Co., 2339 La Salle, Chicago, Ill.
**French** Samuel H. & Co., 4th & Callowhill, Phila., Pa.

VARNISHES & JAPANS (ASPHALT)—continued
Harland Wm. & Son ("Harland"), Buffalo, N. Y.
Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
Lilly Varnish Co., Indianapolis, Ind.
Lowe Bros. Co., Dayton, O.
Mound City Paint & Color Co., 11th & Mullanphy, St. Louis, Mo.
Nice Eugene E., 272 S 2nd, Phila., Pa.
Patton Paint Co., Milwaukee, Wis.
Perry-Derrick Varnish Co., 1660 Central av, Cincinnati, O.
Pratt & Lambert, Buffalo, N. Y.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Sipe Jas. B. & Co., Bessemer bldg, Pittsburgh, Pa.
Smith Edw. & Co., 127 West av, Long Island City, N. Y.
Standard Varnish Works, 90 West, New York
**THOMPSON WOOD FINISHING CO.**, 329 N 3d, Phila., Pa.
*See adv index at end of book*
Trinidad Asphalt Mfg. Co. ("The Epure"), Title Guaranty Trust bldg, St. Louis, Mo.
Ulster Paint Works, Ellenville, N. Y.

## Vaseline

See Petrolatum

## Vases (Cast Iron, for Garden)

See Fountains, Vases, etc,.

## 16461— Vases (Coal)

Central Stamping Co., 172 Fulton, New York
Hirschman W. F. Inc., 90-92 Main, Buffalo, N. Y. *See adv index at end of book*

## 16461a—Vases (Hat Pin Holders)

Arlington Works, The (E. I. du Pont de Nemours & Co.), Wilmington, Del.

## 16462— Vases, Urns & Tripods

National Plastic Relief Co., 30 Main, Cincinnati, O.

## 16462a—Vats (Cheese Factory)

Koven L. O. & Bro., 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Oakes & Burger Co., Cattaragus, N. Y.

## 16463— Vats (Cypress)

See also Tanks, Wood

**ACME TANK COMPANY**, 59 Cortlandt, New York. *See adv index at end of book*
American Stave & Cooperage Co., Chelsea, Mass.
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Bushnell Tank Works, Bushnell, Ill.
Cypress Lumber Co., 88 Broad, Boston, Mass.
New England Tank & Tower Co., 42 Main Everett, Mass.
*See adv index at end of book*
Schlichter E. F. Co., 10 S 18th, Phila., Pa.
**STEARNS A. T. LUMBER CO.**, 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Stevens Tank & Tower Co., Auburn, Me.

## 16464— Vats (Dye)

**ACME TANK COMPANY** (Wood), 59 Cortlandt, New York
*See adv index at end of book*
American Stave & Cooperage Co., Chelsea, Mass.
Atlantic Tank & Barrel Corp., Hoboken, N. J.
Casey-Hedges Co., Chattanooga, Tenn.
New England Tank & Tower Co., Everett Station, Boston, Mass.
*See adv index at end of book*
Schlichter E. F. Co., 10 S 18th, Phila., Pa.
Schwarzwaldery & Sons, Inc., Hoboken, N. J.
Woolford G. Wood Tank Mfg. Co., (Cedar & Cypress), 1429 Chestnut, Phila, Pa.

## 16465-6—Vats (Milk & Cream)

Burrell D. H. & Co., Little Falls, N. Y.
Davis-Watkins Dairymen's Mfg. Co, North Chicago, Ill.
Johnson & Carlson (Milk), 848 Eastman, Chicago, Ill.
Kretchmer Mfg. Co., Council Bluffs, Ia.
Reid A. H. Creamery & Dairy Supply Co., 69th & Haverford, Phila., Pa.

## Vault & Office Furniture (Metallic)

See Bank & Office Fixtures, Metallic

## 16467—Vault & Sidewalk Lights (Plain & Prismatic)

American Bar Lock Co. ("Bar Lock" & "Nu Plan" Systems), Long Island City, N. Y.
American Luxfer Prism Co., General Office & Factory: 1305 S 55th, Chicago, Ill.
American 3 Way Prism Co. (3 Way Prisms), La Porte, Ind.
American Three Way Luxfer Prism Co., 139 Spring, New York
Barnum E. T. Wire & Iron Works, 864 Woodward av, Detroit, Mich.
Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
Biggin Chas. P. Co., 1829 Harlan, Phila., Pa
Brooklyn Vault Light Co. (Plain & Prismatic), 254 Monitor, Brooklyn, N. Y.
Brooks T. H. & Co., Cleveland, O.
Bruner P. M. Granitoid Co., Frisco bldg, St. Louis, Mo.
Canton Foundry & Machine Co., Canton, O.
Carpenter Davis & Co., 216 E. 41st, New York
Chesapeake Iron Works, Westport, Baltimore, Md.
Columbia Iron & Wire Works Co., Canton, O.
Creswell Samuel J. Iron Works, 23d & Cherry, Phila., Pa.
Crown Iron Works Co. (Sidewalk Lights Only), 1229 Tyler, Minneapolis, Minn.
Dauphin Wm. Bronze & Iron Works, 141 W 33d, New York
East Iron & Machine Co., 351 E Market, Lima, O.
Ernst's Chas. F. Sons, Buffalo, N. Y.
Grossman Bros. & Rosenbaum, Willow av & 133d, New York
Ham L. M. Co., 158 Portland, Boston, Mass.
Hamill Alex Iron Works, 426 Montgomery, Jersey City, N. J.
Hetherington & Berner, Indianapolis, Ind.
Heughes F. L. & Co., Rochester, N. Y.
International Steel & Iron Co., Evansville, Ind.
Jackson P. H. & Co., 237 First, San Francisco, Cal.
Keppler Glass Construction, 101 Park av, New York
McGuigan Jno. & Co., 142 Stillman, San Francisco, Cal.
Madison Foundry Co., Cleveland, O.
Mansfield Steel Corp., 288 Milwaukee av, E Detroit, Mich.
Megquier & Jones Co., Portland, Me.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Mills W. J., 25 Bainbridge, Brooklyn, N. Y.
Minneapolis Steel & Machinery Co., 2354 Minnehaha av, Minneapolis, Minn.
Moss J. E. Iron Works, Wheeling, W. Va.
Mullen Replaceable Vault Light Co., Hartje bldg., Pittsburgh, Pa.
New York Prism Co., 141 Spring, New York
Pacific Iron Works, Portland, Ore.
Phoenix Sidewalk Light Co. (Simpton Bros.), Monadnock bldg, San Francisco, Cal.
Queen City Iron & Wire Works Co., Denver, Colo.
Republic Structural Iron Works Co., (Doors), 1350 E 53d, Cleveland, O.
Richards & Kelly Mfg. Co., 309 W 23d, Chicago, Ill.
Roanoke Iron & Bridge Work, Roanoke, Va.
**ST. PAUL FOUNDRY CO.**, Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
Schrieber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Smith G. W. & F. Iron Co., Gerard, Rox, Boston, Mass.
Smith & Lovett Co., 135 Tyler, Boston, Mass.
Snead Arch'l Iron Works, Louisville, Ky.
Sommerville Iron & Bronze Co. ("Baker" Patent), 5641 Butler, Pittsburgh, Pa.
Southern Foundry Co., Owensboro, Ky.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Sun-Burst Prism Co. ("Sun-Burst Prismatic"), Phila., Pa.
Taylor E. R. Co. ("Bar-Lock" System), 786 E. Broadway, Boston, Mass.
Toledo Wire & Iron Works, Toledo, O.
Union Building & Cons. Co., Passaic, N. J.
Verdeckberg Iron & Wire Works Co., Denver, Colo.
West Side Structural Co., Troy, N. Y.
Withers Foundry & Machine Works, Atlanta, Ga.

## 16467a— Vaults (Bank)

Bethlehem Steel Co. (Armor Plate), So. Bethlehem, Pa.

## 16468—Vehicles (Children's)

Amberg Louis & Son ("Koaster Kid"), 101 E. 16th, New York
American Metal Wheel Co. (Express Wagons), Toledo, O.
American National Co., Toledo, O.
Ames Van Aken Mfg. Co., Inc. ("Rocky Roller," "Roller Express" Wagons), Syracuse, N. Y.
Arden Bennett Corp. (Velocipedes & Automobiles, etc), 450 E 148th, New York
B. & B. Mfg. Co. ("Skoots"), Racine, Wis.
Baker W. J. Co. ("Bi-Cars" & Speedmobiles), Newport, Ky.
Burgess & Norton Mfg. Co. ("Burnor," "Bucking Broncho"), Geneva, Ill.
Burnham Mfg. Co., Charles City, Ia.
Carriage & Toy Co., 741 W Lombard, Baltimore, Md.
Columbia Mfg Co. (Auto Cars), 116 E 3rd Cincinnati, O.
Cyclomobile Mfg. Co., Toledo, O.
Dan Patch Co., Connersville, Ind.
Dean & Williams Co. ("Ju Ju"), 4317 Elston av, Chicago, Ill.
Durham Mfg. Co., Muncie, Ind.
Garton Toy Co. (Steel & Wood), Sheboygan, Wis.
Gendron Wheel Co. ("Pioneer" & "Gendron" Doll), Toledo, O.
Gibbs Mfg. Co. ("Daisy"), Canton, O.
Janesville Products Co., Janesville, Wis.
Kangaroo Mfg. Co. ("Kangaroo" Hand Cars), 10 S La Salle, Chicago, Ill.
Kirk-Latty Mfg. Co. ("20th Century," "Hercules" Express Wagons, All Steel etc.), 1971 W 85th, Cleveland, O.
Kunst John ("Rollomobile"), 70 Murray New York
La Porte Mat & Mfg. Co. ("Hercules" Coaster Wagons), La Porte, Ind.
Lewis-Geer Mfg. Co. (Coaster Wagons) Ypsilanti, Mich.
Manumotors Co. ("Eu-Re-Kar" & "Re Rach"), Manitowac, Wis.
Martin & Heagy Mfg. Co. ("Hickory") Elizabethtown, Pa.
Mecky A. Co. ("Ledig Keystone," Velocipedes, Hand Cars, Automobiles, Barrows, etc), 1705 W Allegheny, Phila Pa.
Patch Dan Novelty Co., Connersville, Ind.
Rundle Novelty Co. ("Grahoun"), 142 N 3d, Columbus, O.
Scoville E. U. Co. ("Yankee Flyer," Hand Cars), Manlius, N. Y.
Sherwood Bros. Mfg. Co. (Hand Carts) Canastota, N. Y.
South Bend Toy Mfg. Co. ("Peerless," "Bill" Coaster Wagons, etc), South Bend, Ind.
Standard Novelty Works, Duncannon, Pa.
Stearns E. C. & Co., 450 Oneida, Syracuse N. Y.
Sturdevant-Murray Mfg. Co. (Cars Trucks, Etc.), Mullett & Rivard, Detroit, Mich.
Thayer H. N. Co., Erie, Pa.
Toledo Metal Wheel Co. (Wagons, Carts Velocipedes, Automobiles, etc), Toledo, O.
White H. C. Co. ("Kidie-Kar"), North Bennington, Vt.
Wilson Pliny D. Co. 433 California, San Francisco, Cal.

## 15468a—*Vellum and Fabrics (for Printing)

Williams, Brown & Earle ("Linaura"), 918 Chestnut, Phila., Pa.

## 16469— Velocipedes

American National Co., Toledo, O.
Arden Bennett Corp., 450 E 148th, New York

Colson Co. ("Fairy"), Elyria, O.
Crandall Carriage Co., 593 3d av, New York
Gendron Wheel Co., Toledo, O.
**Hill-Standard Mfg. Co., Anderson, Ind.**
Kirk-Latty Mfg. Co., 1971 W 85th, Cleveland, O.
**Mecky A. Co., 1707 W. Allegheny, Phila., Pa.**
Thayer H. N. Co., Erie, Pa
Toledo Metal Wheel Co., Toledo, O.
**Wilkinson Mfg. Co., Binghamton, N. Y.**

## 16470— Velour ("Tiffany")

**Tiffany Studios, 36 Madison av, New York**

## 16471— Velvets

**American Velvet Co. (Silk), Stonington, Conn.**
**Blumenthal Sidney & Co. (Silk, Cotton Back), Shelton, Conn.**
**Boyd J. S. Co. (Corduroy & Velveteen), Williamstown, Mass.**
Chase L. C. & Co. ("Chase Velmo" for Upholstery), 89 Franklin, Boston, Mass. *See adv index at end of book*
**Cheney Brothers (Silk), South Manchester, Conn.**
**Helvetia Silk Mill (Silk), Paterson, N. J.**
**Martin J. B. Co. (Silk), Norwich, Conn.**
**Rossie Velvet Co. (Silk), Mystic, Conn.**
**Simon R. & H. Co. (Silk), Town of Union, N. J.**

## 16472—Veneer Built-Up Woods

**Ahnapee Veneer & Seating Co., Algoma, Wis.**
American Veneer Co., Hoboken, N. J.
Flora American Plywood Co., Ltd., 165 B'way, New York
Frost's Veneer Seating Co. (Ltd.), Sheboygan, Wis.
Haskelite Mfg. Corp., 120 Broadway, New York. Chicago: Chamber of Commerce bldg. Plants: Grand Rapids & Ludington, Mich.
**Louisville Veneer Mills, Louisville, Ky.**
**New Albany Veneering Co., New Albany, Ind.**
**Portsmouth Veneer & Panel Co., Portsmouth, O.**
**St. Louis Basket & Box Co., Wharf & Penrose, St. Louis, Mo.**

## 16473— Veneer Mfrs.

Ahnapee Veneer & Seating Co., Algoma, Wis.
American Veneer Co., Hoboken, N. J.
**Anderson-Tully Co., Memphis, Tenn.**
Astoria Mahogany Co., Inc., 347 Madison av, New York
**Astoria Veneer Mills & Dock Co., ft Blackwell, Long Island City, N. Y.**
**Augusta Veneer Co., Augusta, Ga.**
**Batesville Lumber & Veneer Co., Lawrenceburg, Ind.**
**Beach & Fuller Co., Evansville, Ind.**
**Beaven-Jackson Lumber & Veneer Co., Evergreen, Ala.**
**Beeson Fred C. (Importer), 1032 Fulton, Chicago, Ill.**
**Blair Veneer Co., North Troy, Vt.**
**Boyd C. C. & Co., Glenn bldg, Cincinnati, Ohio**
**Cadillac Veneer Co., Cadillac, Mich.**
Carrom Co., Ludington, Mich.
**Central Veneer Co. (Sliced), Indianapolis, Ind.**
**Chicago Veneer Co., Burnside, Ky.**
**Cincinnati Veneer Co., 1285 W 6th, Cincinnati, O.**
**Colby-Hinkley Co., Benton Harbor, Mich.**
**Dann Bros. & Co. (Veneers & Panels), New Haven, Conn.**
Davis Henry D. Lumber Co., Northwest Bank bldg., Portland, Ore.
**Diamond Veneer Co., Edinburg, Ind.**
Dwight Lumber Co., River Range, Detroit, Mich.
**Eggers Fred Veneer Seating Co., Two Rivers, Wis.**
**Elkin Veneer & Mfg. Co., Elkin, N. C.**
**Elmore Veneer Co., Conneaut, O.**
**Estes E. B. & Sons (Rotary Cut), 364 5th av, New York**
***See adv index at end of book***
**Evansville Veneer Co., Evansville, Ind.**
**Farmers Mfg. Co. (Package & Crate), Norfolk, Va.**
**Foreman-Derrickson Veneer Co., Elizabeth City, N. C.**
**Frost's Veneer Seating Co. (Ltd.), Sheboygan, Wis.**
**Georgia Veneer & Package Co., Brunswick, Ga.**
**Gorham Bros. Co., Mount Pleasant, Mich.**
**Goshen Veneer Co. (Panels & Tops), Goshen, Ind.**
**Gowing D. H. Veneer Co. (Furniture), Portsmouth, Va.**
**Grand Rapids Veneer Works (& Panels), Grand Rapids, Mich.**
**Hall Fessenden (Mahogany Lumber & Veneers), 218 S 2d, Phila., Pa.**
**Hanson-Ward Veneer Co., Bay City, Mich.**
**Hardwood Products Co., Neenah, Wis.**
**Harper G. H. Co., Orange, N. J.**
Haskelite Mfg. Corp., 120 Broadway, New York. Chicago: Chamber of Commerce bldg. Plants: Grand Rapids & Ludington, Mich.
**High Point Veneer & Panel Co., High Point, N. C.**
**Hoffman Bros. Co., Fort Wayne, Ind.**
**Hood & Wright, Big Rapids, Mich.**
**Hoosier Specialty Co., Ladoga, Ind.**
**Independence Veneer & Box Mfg. Co., Independence, La.**
**Indiana Veneer & Lumber Co. (Quartered Oak Sawed & Sliced), Indianapolis, Ind.**
**Indiana Veneer & Panel Co., New Albany, Ind.**
**Indianapolis Sawed Veneer Co., Indianapolis, Ind.**
**Jamestown Panel Co., Jamestown, N. Y.**
**Jarrell B. C. & Co. (Rotary Cut Gum), Humboldt, Tenn.**
**Jasper Veneer Mills, Jasper, Ind.**
**Johnson L. S. Co., 414 Albany, Boston, Mass.**
**Kentucky Veneer Works (Quartered, Sawed Oak Veneer), 13th & Magnolia, Louisville, Ky.**
**Knoxville Veneer Co., Knoxville, Tenn.**
**Louisville Veneer Mills, 948 Fulton, Louisville, Ky.**
**Memphis Veneer & Lumber Co., Memphis, Tenn.**
**Mengel C. C. & Bro. Co. (Circassian Walnut, Mahogany, etc), Louisville, Ky.**
**Merrill Veneer Co., Merrill, Wis.**
**Michigan Veneer Co., Alpena, Mich.**
**Morgan Co. (Jobbers), Oshkosh, Wis.**
**Morgan Veneer Co. (Rotary Cut Dried Gum), Pine Bluff, Ark.**
**Mummert W. C. & Co., Wawaka, Ind.**
**New Albany Veneering Co. (Build-Up or Veneered Tops, Panels, etc), New Albany, Ind.**
**Norfolk Veneer Co., (Package & Crate), Norfolk, Va.**
**Paducah Box & Basket Co., Paducah, Ky.**
**Palmer & Parker Co., Charlestown, Mass.**
**Pearl City Veneer Co., Jamestown, N. Y.**
**Perfection Mfg. Co., Penobscot bldg, Detroit, Mich.**
**Portsmouth Veneer & Panel Co., Portsmouth, O.**
**Putnam Veneer & Lumber Co., Roachdale, Ind.**
**Rayner J. Co., 142 Goerck, New York**
**Rice Veneer & Lumber Co., Grand Rapids, Mich.**
**Roberts Veneer Co., New Albany, Ind.**
**Roddis Lumber & Veneer Co., Marshfield, Wis.**
**St. Louis Basket & Box Co., Wharf & Penrose, St. Louis, Mo.**
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**
Schoenlau-Steiner Trunk Top & Veneer Co. (Three & Five Ply for Trunk Boxes, Show Case Bottoms, Furniture, Fixtures, Show Cases, Phonograph Cabinets, etc), 129 E Fillmore, St. Louis, Mo.
**Setter Bros. Co., Cattaraugus, N. Y.**
**Shiels Chas. F. & Co., Gest & McLean avs, Cincinnati, O.**
**STILES H. A. & CO.**, 93-97 Oliver, Boston, Mass. *See adv index at end of book*
**Strong Veneer Co., Gerry, N. Y.**
**Sturm Adolph Co. (Importer & Dealer), 542 Wash blvd, Chicago, Ill.**
**Thompson T. H., Milan, Ind.**
**Thomasville Veneer & Panel Co., Thomasville, N. C.**
**Truitt & Lingo, Dagsboro, Del.**
**Underwood Veneer Co., Wausau, Wis.**
**Walker Veneer Works, Alpena, Mich.**
**Warren Veneer & Panel Co., Warren, Pa.**
**Webb David R. Co., Edinburg, Ind.**
**Whisler Chas. F., Hillsboro, O.**
**Willey C. L., 2558 S Robey, Chicago, Ill.**
**Williams Ichabod T. & Sons, 73 E 9th, Chicago, Ill.**
**Williamson-Kuny Mill & Lbr. Co. (White Oak), Mound City, Ill.**
**Williamson Veneer Co. (Furniture, Piano, etc), Baltimore & 8th, Baltimore, Md.**
**Wilts Veneer Co., Richmond, Va.**
**Wisconsin Veneer Co., Rhinelander, Wis.**

## 16474—Ventilating Apparatus (Electric)

Advance Co. (For Sash in Power Plants, Factories, Buildings, Greenhouses, etc), 542 N 14th, Richmond, Ind.
Century Ventilating Co., 257 3d av., New York
Dean O. J. & Co., Distributors (For Sash in Power Plants, Factories, Buildings, Greenhouses, etc), Association bldg., Chicago,, Ill.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 16475—Ventilating Apparatus for Power Plants, Factories, Buildings, Greenhouses, Etc.

See also Blower Manufacturers; also Fans Various Kinds

Advance Co. (Revolving Shaft Tube), 542 N 14th, Richmond, Ind.
Bicalky Fan Co., Buffalo, N. Y.
Clarage Fan Co., North & Porter, Kalamazoo, Mich.
Connecticut Blower Co., Inc., 133 Sheldon, Hartford, Conn.
Dean O. J. & Co. (Distributer Revolving Shaft Tube), Association bldg, Chicago, Ill.
Devlin Thos. Mfg. Co. (Self-Locking for Factories, Buildings, etc), 3d & Lehigh av, Phila., Pa.
Drouve G. Co. ("Straight Push", "Lovelle"), 40 Tulip, Bridgeport, Conn.
Evans John A. Co. ("Evans Challenge" for Greenhouses, Roller Bearing), Richmond, Ind.
**Fenn Ventilator Co. ("Fenn" Rotary), 94 Blackstone, Boston, Mass.**
**HIRSCHMAN F. W., INC.**, 90-92 Main, Buffalo, N .Y.
*See adv index at end of book*
Hitchings & Co., 1170 B'way, New York
Howard & Morse, 45 Fulton, New York
Lord & Burnham Co., 30 E 42d, New York
Neel-Armstrong Co. ("Ozone"), Akron, O.
Ormsby E. A. & Sons, Melrose Sta., Boston, Mass.
Payson Mfg. Co. ("Harris"), 2918 W Jackson blvd, Chicago, Ill.
Philipp-Kell Co., Inc., Holliday & Centre, Baltimore, Md.
**PULLMAN VENTILATOR & MFG CO.** (Also for Offices, Garages, etc), York Pa. *See adv index at end of book*
Richmond Safety Gate Co., Richmond, Ind.
Smith Systems Heating Co. (School Ventilating & Heating), 821 Washington av, S. E., Minneapolis, Minn.
Sturtevant B. F. Co. ("Sturtevant"), 15 Damon, Hyde Park, Boston, Mass.
Tabor Sash Fixture Co. (Transom Operators), 63 Polk, Newark, N. J.
Thorn J. S. Co. ("Brand"), 20th & Allegheny av, Phila., Pa.
Uno Ventilator Co. ("Uno" Revolving), Cliftondale, Mass.
Waterloo Mfg. Co., Waterloo, Ia.
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*
Wheeling Metal & Mfg. Co., Wheeling, W. Va.

## Ventilating Apparatus (Mechanical)

**Seal Fans, Exhaust or Ventilating; also Blower Manufacturers**

## 16477—Ventiliating Apparatus (Ship)

Barney Ventilating Fan Works (A. B. Franklin, Prop.), 25 Haverhill, Boston, Mass.
Howard & Morse ("Blackman" & "Duplex Cone"), 45 Fulton, New York

## 16477 — *Ventilating Systems

**PULLMAN VENTILATOR & MFG CO.** (Buildings of All Kinds), York, Pa.
*See adv index at end of book*

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**W. F. HIRSCHMAN, Inc., 90 & 92 Main St., Buffalo, N. Y.**

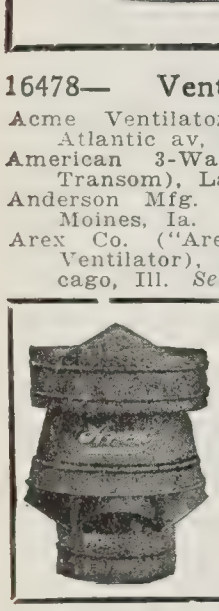

## 16478— Ventilator Mfrs.

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.

American 3-Way Prism Co. (Pivoted Transom), La Porte, Ind.

Anderson Mfg. Co. ("Tip Top"), Des Moines, Ia.

Arex Co. ("Arex" Original Siphonage) Ventilator), 1591 Conway bldg, Chicago, Ill. *See adv index at end of book*

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Aspromet Co. (Protected Metal & Siphonage), 1st National Bank bldg., Pittsburgh, Pa.

Astle H. J. & Co. ("Boland" Revolving), 118 Orange, Providence, R. I.

Autoforce Ventilating System ("Autoforce"), 53 Devonshire, Boston, Mass.

Automatic Ventilator Co. **("Automatic")**, 2 Rector, New York

Backman Sheet Metal Works, Des Moines, Iowa

Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*

Badger Steel Roofing & Corrugating Co. (Glass Top), La Crosse, Wis.

Bailey Reflector Co. (Window), 617 2d av, Pittsburgh, Pa.

Basman A. M. & Co., 468 Fort W, Detroit, Mich.

Berger Bros. Co. ("Perfection," "Earle's" Revolving), 229 Arch, Phila., Pa.

Bicalky Fan Co. ("Bicalky"), Buffalo, N. Y.

Bostwick C. G., Hartford, Conn.

Buffalo Forge Co. ("Buffalo"), Buffalo, N. Y.

**BURT MANUFACTURING CO. (THE)** ("Burt"), 40 Main, Akron, O. *See adv index at end of book*


**BURT**

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The Burt Mfg. Co.

40 Main St.

AKRON, OHIO


Burton W. J. Co., Junction & Federal, Detroit, Mich.

Butler Mfg. Co., 906 6th av, S E, Minneapolis, Minn.

Cambridge Roofing Co. (Eureka), Cambridge, O.

Canton Art Metal Co., Canton, O.

**Cedar Rapids Cornice Co., Cedar Rapids, Ia.**

Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.

Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.

Covert H. W. Co. (Kitchen), 137 E 46th, New York

Crook H. E. Co., Inc. (Copper & Galv Iron), 28 Light, Baltimore, Md.

Crown Ventilator Co. ("Crown"), Milwaukee, Wis.

Cushing D. & Co, Lowell, Mass.

Danzer Metal Works ("Danzer's" Rose Top), Hagerstown, Md.

Decatur Cornice & Roofing Co. ("Alabama" Corrugated Rim), New Decatur, Ala.

Dickinson Paul ("Dickinson" Cast Iron, for Round-Houses, Depots, Shops, etc), 3346 S. Artesian av, Chicago, Ill.

Dowman-Dozier Mfg. Co. ("Dixie"), Atlanta, Ga.

Drouve G. Co. ("Drouve"), 40 Tulip, Bridgeport, Conn., & 180 N Dearborn, Chicago, Ill.

**EDWARDS MFG. CO.** (Building & Skylight), 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*

Eller Mfg. Co. ("Konical"), Canton, O.

Ellis & Ford Mfg. Co. (Water Closet Ventilator), Detroit, Mich.

Fenn Ventilator Co. ("Fenn's" Rotary), 94 Blackstone, Boston, Mass.

Fisher Martin & Sons ("Fisher," Automatic), 438 Pearl, Buffalo, N. Y.

Follansbee Bros. Co. ("Keystone"), 3rd & Liberty, Pittsburgh.

Fouts C. C. Co. (Glass Top), 650 Woodlawn av, Middletown, O.

Friedley-Voshardt Co. (Inc.) ("Crescent"), 733 S Halsted, Chicago, Ill.

Galesburg Sheet Metal Works ("Gale" Barn & Granary), Galesburg, Ill.

Gara-McGinley Co., 23 S 17th, Phila., Pa.

Geddes Joseph ("Geddes" Ventilator & Chimney Cap), Rochester, N. Y.

Gerdes T. N. (Electric), 105 Bank, New York. *See adv index at end of book*


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105 Bank St., N. Y. C.


Gerken J. D. & Co. ("Perfect" Positive Automatic), Toledo, Ohio

Globe Ventilator Co. ("Globe," for Cars Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.

Goethel Alfred C., The (Not Inc.) (Ventilating Systems), 301-303 Fourth, Milwaukee, Wis.

Grissel J. P. Cornice Co., Cedar Rapids, Ia.

Hersh Bros. Co., 645 Mill, Allentown, Pa. *See adv index at end of book*

Hewitt Thos. J. (Rotary Screw), 57 Ann, New York

Highton Wm. & Sons Co., Nashua, N. H.

**HIRSCHMAN W. F., Inc.,** 90-92 Main, Buffalo, N. Y. *See adv index at end of book*

Hoffmann & Baur ("Columbia"), 279 Lake, Milwaukee, Wis.

Holzer R. G. (Est. of), 317 Burgundy, New Orleans, La.

Illinois Art Metal Co. ("Sifon"), Springfield, Ill.

Independent Register & Mfg. Co., 713 Frankfort, Cleveland, O.

Iona Ventilator Co. ("Iona"), 2319 N. Laura, Phila., Pa.

Janney & Company, Montgomery, Ala. *See adv index at end of book*

Jersey City Galvanizing Co., 74 Morgan, New York

Jordon Paul R. & Co. ("Aeroplane" Rotary, "Aeroboost" Siphon, "Aeropull" Storm Band), 28 S Meridian, Indianapolis, Ind.

Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.

Kernchen Company ("Kernchen Siphonage"), 332 S Michigan av, Chicago, Ill.

King Ventilating Co., Owatonna, Minn.

Klauer Mfg. Co., Dubuque, Ia.

Knowles Mushroom Ventilator Co. ("Notch Mushroom"), 9 Church, New York

Kokomo Hardware Co., Kokomo, Ind.

Kries Henry A. & Sons Co., 8 W. Lombard, Baltimore, Md.

**Larson Bros.** ("Larson" Suction), Johnsonburg, Pa.

Lee Thomas ("Lee's Improved Revolving") 129 W 2d, Cincinnati, O.

Mack W. A. & Co., Lowell, Mass.

Mack Ventilator Co., Swetland bldg, Cleveland, O.

Martin Metal Mfg. Co., Wichita, Kans.

Meek Oven Mfg. Co., Newburyport, Mass

**MERCHANT & EVANS CO.** ("Star") Washington av & 21st, Phila., Pa. *See adv index at end of book*

Mertz John Mfg. Co., Sandusky, O.

Messenger & Parks Mfg. Co. ("Acorn") Aurora, Ill.

Metallic Mfg. Co. (Metallic), Camden N. J.

Meurer Geo. C. Co. ("Anchor"), 22 Clay Brooklyn, N. Y.

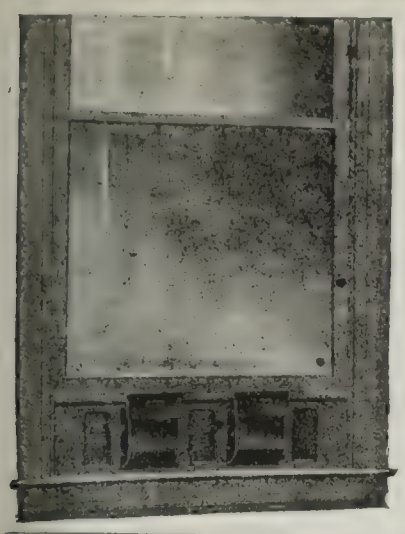
Milwaukee Corrugating Co. ("Milwaukee" "Nu-Air," "Alpina" & "Milcor"), Milwaukee, Wis.

Mobile Steel Co. ("M. S. Co."), Mobile Ala.

Mudge & Co. ("Mudge-Peerless" for Passenger Cars, Buildings, Factories Boats, etc.), 80 E Jackson bldg, Chicago, Ill.

National Metalic Sash Co., 355 Union Park Chicago, Ill.

**National Skylight & Ventilator Co.** ("National" Revolving), Rochester, N. Y



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New England Steel Roofing Co., Worcester, Mass.
New England Ventilating & Heating Co. ("Richardson" Revolving), 926 Manton av, Providence, R. I.
New Orleans Roofing & Metal Co. ("Nola") Cortez & Orleans, New Orleans, La.
Ohio Body & Blower Co. ("Swartwout" Gravity Closing, Rotary Ball Bearing), 9300 Detroit av, Cleveland, O.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Peerless Machinery Co., 166 N Clinton, Chicago, Ill. *See adv index at end of book*

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162-166 No. Clinton Chicago, Ill.

Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Pittsburgh Gage & Supply Co. ("Gaco" Roof), 30th & Liberty av, Pittsburgh, Pa.
Porter Iron Roofing & Corrugating Co. (Building & Skylight), 522 Culvert, Cincinnati, O.
Powers & Boyd Cornice & Roofing Co., 3614 Laclede, St. Louis, Mo.
Protective Ventilator & Screen Corp., 332 E. 23d, New York
**PULLMAN VENTILATOR & MFG. CO.** ("Pullman"), York, Pa.
*See adv index at end of book*
Reeves Mfg. Co., Dover, O.
Riter Bros. & Co. ("Earle's"), 1022 Race, Phila., Pa.
Royal Ventilator Co. ("Royal"), 415 Locust, Phila., Pa.
St. John & Barquist Co., Des Moines, Ia.
St. Paul Roofing, Cornice & Ornament Co. "St. Paul"), St. Paul, Minn.
Sanitary Appliance Co. (Water Closet), Neenah, Wis.
Schoedinger F. O. (Galvanized Iron. "Columbus," "Schoedinger R. S. V." Ventilators), 142 N 3d, Columbus, O.
Schuessler Jno., Covington, Ky.
Scott Roofing & Mfg. Co. (Building & Skylight), 408 Culvert, Cincinnati, O.
Sheet Metal Mfg. Co., 949 Myrtle av, Brooklyn, N. Y.
Souther E. E. Iron Co. ("Columbia"), Klenlin & Hamburger, St. Louis, Mo.
Standard Ventilator Co. ("Standard" Portable Ventilator & Chimney Cap), Lewisburg, Pa.
Sterling Blower Co. ("Sterling"), Hartford, Conn.
Tuttle & Bailey Mfg. Co., 2 W 45th, New York
Uno Ventilator Co. ("Uno" Revolving made in Brass, Copper or Galvanized Iron Painted), Cliftondale, Mass.
Van Noorden E. & Co., 100 Magazine, Boston, Mass.
Walton Mfg. Co., 2610 Walton av, Cleveland, O.
Washburne Edw. G. & Co. (Rotary Screw), 207 Fulton, New York
Waterloo Mfg. Co., Waterloo, Ia.
Watson James H. Co., Bradley, Ill.
Weimer C. A. ("Imperial"), Lorain, O.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
Willis Mfg. Co. ("Willis"), Galesburg, Ill.
Wilson Andrew Co., 616 Essex, Laurence, Mass. *See adv index at end of book*
Wooden Ventilator Co. (Wooden Ventilator Faces), East Palestine, O.

### 16479-80—Ventilator & Skylight Combined

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
**BURT MANUFACTURING CO. (THE)** 40 Main. Akron, O.
*See adv index at end of book*
**Cedar Rapids Cornice Co., Cedar Rapids, Ia.**
Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
**EDWARDS MFG. CO., 545-565 Eggleston av. Cincinnati, O.**
*See adv index at end of book*
Eller Mfg. Co., Canton, O.
Globe Ventilator Co. ("Globe," for Cars, Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.
Goethel Alfred C. Co., The (Not Inc.), 301-303 4th, Milwaukee, Wis.
Hirschman W. F., Inc. ("Effice"), 90-92 Main, Buffalo, N. Y.
*See adv index at end of book*
Kanneberg Roofing & Ceiling Co., Canton, Ohio
Martin Metal Mfg. Co., Wichita, Kan.
**MERCHANT & EVANS CO.,** Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Mertz John Mfg. Co., Sandusky, O.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Royal Ventilator Co. ("Royal"), 415 Locust, Phila., Pa.
Superior Cornice & Skylight Co. ("Superior" Automatic & Skylight), 643 1st av, New York
Thompson J. D. Co., 2609 Penna av, N. W. Washington, D. C.
Waterloo Mfg. Co., Waterloo, Ia.
Weis Henry Cornice Co., Kansas City, Mo.
Wheeling Metal & Mfg. Co., Wheeling, W. Va.
Willis Mfg. Co., Galesburg, Ill
Wilson Andrew Co., 616 Essex, Lawrence, Mass. *See adv index at end of book*

### 16481— Ventilators (Barn)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
Arex Co., 1591 Conway bldg, Chicago, Ill.
*See adv index at end of book*
Badger Steel Roofing & Corrugating Co., 214 S 2d, La Crosse Wis.
Duluth Corrugating & Roofing Co. (Glass or Plain Top), Duluth, Minn.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Fenn Ventilator Co. ("Fenn" Rotary), 94 Blackstone, Boston, Mass.
Grissel J. P. Cornice Co., Cedar Rapids, Iowa
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
Milwaukee Corrugating Co., Milwaukee, Wis.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Royal Ventilator Co. ("Royal"), 415 Locust, Phila., Pa.
Uno Ventilator Co. ("Uno" Revolving), Cliftondale, Mass.
Waterloo Mfg. Co., Waterloo, Ia.
Willis Mfg. Co. ("Willis"), Galesburg, Ill.

### 16482—Ventilators (Brick Wall)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
American Scale Co., Kansas City, Mo.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Highton Wm. & Sons Co., Nashua, N. H.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*

### 16483— Ventilators (Car)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
Arex Co. 1591 Conway bldg, Chicago, Ill.
*See adv index at end of book*
Automatic Ventilator Co. ("Automatic"), 2 Rector, New York
Dowman-Dozier Mfg. Co. ("Dixie"), Atlanta, Ga.
Fischer Wm. G. Stove & Range Co., 326 McFarland, Cincinnati, O.
Globe Ventilator Co. ("Globe," for Cars, Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.
Gold Car Heating & Lighting Co. ("Gold's Cyclone" for Passenger & Refrigerator Cars), 17 Battery pl, New York
Holden & White, Fisher bldg., Chicago, Ill.
Perry Ventilator Corp., (For Passenger Cars & Bus Bodies), 200 Devonshire, Boston, Mass.
**PULLMAN VENTILATOR & MFG. CO.** Electric & Steam Railway & Refrigerator & Fruit Cars), York, Pa.
*See adv index at end of book*
Railway Utility Co. ("Utility"), 721 Fulton, Chicago, Ill.
Ross Wortham Co. ("Garland"), McCormick bldg, Chicago, Ill.
Vacuum Car Ventilating Co. ("Cooks" System), 111 S. Jefferson, Chicago, Ill
Wine Railway Appliance Co. (Fruit Car), Toledo, Ohio

### 16484— Ventilators (Closet)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
American Blower Co., 1400 Russell, Detroit, Mich.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Shadall Mfg. Co., Wauwatosa, Wis.

### 16485—Ventilators (Cupola)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
Arex Co., 1591 Conway bldg, Chicago, Ill.
*See adv index at end of book*
Grissel J. P. Cornice Co., Cedar Rapids, Iowa.
Hersh Bros. Co., 645 Mill, Allentown, Pa.
*See adv index at end of book*

VENTILATORS (CUPOLA)—continued

Libby C. A. Co., Oshkosh, Wis.
**Messenger & Parks Mfg. Co. ("Aurora" for Theatres & Public Structures, etc), Aurora, Ill.**
Milwaukee Corrugating Co., Milwaukee, Wis.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*

### 16485a—*Ventilators (Electric Exhaust & Intake)

**PULLMAN VENTILATOR & MFG. CO.** York, Pa. *See adv index at end of book*

### 16486— Ventilators (Mine)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
**American Blower Co. ("Sirocco"), 1400 Russell, Detroit, Mich.**
Arex Co., 1591 Conway bldg, Chicago, Ill.
*See adv index at end of book*
Hersh Bros. Co., 645 Mill, Allentown, Pa.
*See adv index at end of book*
**Jeffrey Mfg. Co. (Apparatus For) 961 N. Fourth, Columbus, O.**
*See adv index at end of book*
**Schutte & Koerting Co. ("Koerting"), 1251 N 12th, Phila., Pa.**

### 16486a— Ventilators (Roof)

Arex Co., 1591 Conway bldg, Chicago, Ill.
*See adv index at end of book*
Hersh Bros. Co., 645 Mill, Allentown, Pa.
*See adv index at end of book*
**HIRSCHMAN W. F., INC.,** 90-92 Main, Buffalo, N. Y.
*See adv index at end of book*
**PULLMAN VENTILATOR & MFG. CO.** York, Pa. *See adv index at end of book*

### 16487—Ventilators (Sash Lift)

Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*

### 16488— Ventilators (Ship)

**American Blower Co. ("Sirocco"), 1400 Russell, Detroit, Mich.**
American Standard Shipfittings Corp., 115 B'way, New York
***See adv index at end of book***
Arex Co., 1591 Conway bldg, Chicago, Ill.
*See adv index at end of book*
**Autoforce Ventilating System ("Autoforce"), 53 Devonshire, Boston, Mass.**
Bishop's Wm. Sons, 18 James, New York
Fenn Ventilator Co. ("Fenn" Rotary), 94 Blackstone, Boston, Mass.
**Globe Ventilator Co. ("Globe," for Cars, Buildings, Factories, Power Houses, Boats, etc), Troy, N. Y.**
Mobile Steel Co. ("M. S. Co."), Mobile, Ala.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
Quinn Bros., Paterson, N. J.
Sands Alfred B. & Son Co., 20 Vesey, New York
Thacher Propeller & Foundry Corp., Albany, N. Y.
Young Bros. Co., 666 Mack, Detroit, Mich.

### 16489—Ventilators (Sidewalk)

American 3-Way Prism Co., La Porte, Ind.
**Columbia Iron & Wire Works Co., Canton, Ohio**

### 16490—Ventilators (Stained Glass Window)

**Deissler P. & Bro. ("Deissler" Pivoted), 249 S 6th, Phila., Pa.**

### 16491—Ventilators (Stove Pipe)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
**Badger Steel Roofing & Corrugating Co., La Crosse, Wis.**
Brodin Pattern & Supply Works, 2420 W 16th, Chicago, Ill.
**Chattanooga Roofing & Fdry. Co., Chattanooga, Tenn.**

### 16492—Ventilators (Water Closet)

Acme Ventilator Corp. ("Acme"), 399 Atlantic av, Boston, Mass.
**American Blower Co. ("Sirocco"), 1400 Russell, Detroit, Mich.**
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Hersh Bros. Co., 645 Mill, Allentown, Pa.
*See adv index at end of book*
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv index at end of book*
**Sanitary Appliance Co. ("Cyclone"), Neenah, Wis.**
**Uno Ventilator Co. ("Uno" Revolving), Cliftondale, Mass.**

### 16493—Ventilators (Window)

**Aeroshade Co. (Splint Fabric), Waukesha, Wis.**
**Alexander Window Ventilator Mfg. Co. Spartanburg, S. C.**
**American Blower Co. ("Sirocco"), 1400 Russell, Detroit, Mich.**
Arex Co. ("Arin"), 1591 Conway bldg, Chicago, Ill. *See adv index at end of book*
**Autoforce Ventilating System ("Autoforce"), 55 Devonshire, Boston, Mass.**
**Automatic Ventilator Co. ("Automatic"), 2 Rector, New York**
**Bailey Reflector Co., 617 2d av, Pittsburgh, Pa.**
**Bohem Mfg. Co. (Adjustable Pressed Steel), Phila., Pa., & T. A. Burton, rep., 15th & Federal, New York**
Continental Co., Book bldg, Detroit, Mich.
**Field's Chas. J. Sons, 633 Market, Phila., Pa.**
**Garner Ventilating Co. (Mechanical), 72 Trinity, New York**
**GERDES T. N.** (Electric & Pullman), 105 Bank, New York
*See adv index at end of book*


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**Ideal Ventilator Co. ("Ideal"), 99 Stewart, Providence, R. I.**
**Lawrence Bros. (Steel), Sterling, Ill.**
**Lawson F. H. Co.("Lawco"), Cincinnati, O.**
**Manhattan Perfected Ventilators Co., 11 Baxter, New York**
**Morse L. & Sons ("Morse" Adjustable), Athol, Mass.**
**Protective Ventilator & Screen Corp. (Revolving, etc), 332 E. 23d, New York**
**Pullman Ventilator & Mfg. Co. (For Either Top or Bottom), York, Pa.**
*See adv index at end of book*
**Roebuck Weather Strip & Wire Screen Co., 3518 Av H, Brooklyn, N. Y.**
Standard Natural Ventilator Co., Merchants & Mfrs. Bank bldg, Milwaukee, Wis.
Tuttle & Bailey Mfg. Co., 2 W 45th, New York
Universal Ventilating Co. ("Universal," "Shurnuf"), 14th & Oak, Kansas City, Mo.

### 16494— Vents (Core)

United Compound Co. ("Buffalo" Vent Wax), 228 Elk, Buffalo, N. Y.

### 16495— Vents (Trap)

**Dubois F. N. & Co. ("McClellan"), 247 9th av, New York**
**Haydenville Co., Haydenville, Mass.**
**Renton G. W. ("Renton" Safety Anti-Syphon), 28 Johnson av, Brooklyn, N. Y.**

### 16496— Veratrine

**Hoffmann-La Roche Chemical Works, 440 Washington, New York**

### 16497— Verdigris

**Bird J. A. & W. & Co. (Imp. Pure Powdered French), 88 Pearl, Boston, Mass.**
**Bischoff C. & Co. (Imp), 451 Washington,** New York
Drakenfeld B. F. & Co. (Dealers), 50 Murray, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

### 16498— Vermillion

Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg Cleveland, O.
**Moser Chas. Co., Cincinnati, O.**

### 16498a—Vessels (Decomposing)

Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Devine J. P. Co., Buffalo, N. Y.
Lehigh Foundry Co., Fullerton, Pa

### 16499— Vestibules (Car)

**Brill J. G. Co., 62d & Woodland av, Phila., Pa.**
Gould Coupler Co., 30 E 42d, New York
McConway & Torley Co., 48th & A. V. R. R., Pittsburgh, Pa.
**St. Louis Car Co., 8000 N B'way, St. Louis, Mo.**

### 16500— Vials (Glass)

**Doerr Glass Co. (Finished), Vineland, N. J.**
Freas Francis L., Conshohocken, Pa.
Kimble Glass Co., 402 W. Randolph, Chicago, Ill.
Ruth Glass Co., Conshohocken, Pa.
Vineland Scientific Glass Co. (Finished), Vineland, N. J.

### 16501— Vials (Homeopathic)

Calta Glass Works, 460 E Ohio, Chicago, Ill.
Doer Glass Co. (Finished), Vineland, N. J.
Freas Francis L., Conshohocken, Pa.
Illinois Glass Co., Alton, Ill.
Kimble Glass Co., 402 W. Randolph, Chicago, Ill.
Paca Glass Co., 225 N Frederick, Baltimore, Md.
Vineland Scientific Glass Co. (Finished), Vineland, N. J.

### 16501a— Vials (Wooden)

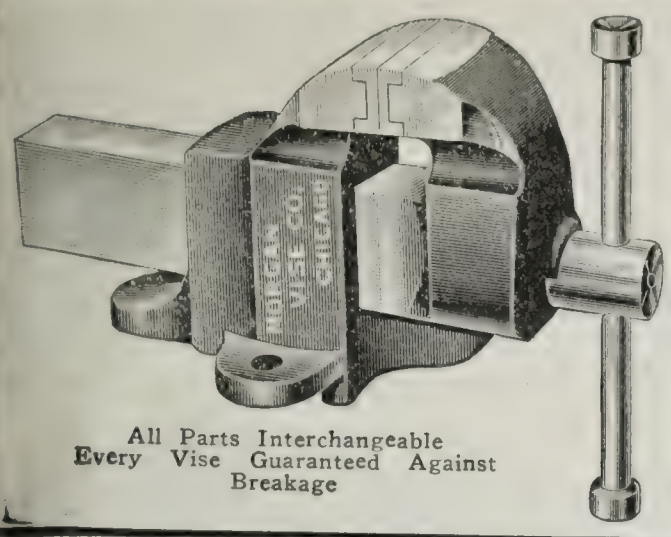
**BOGERT & HOPPER, INC.,** 57 Barclay, New York. *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

### 16502—Vibrators (Foundry)

Arcade Mfg. Co., Freeport, Ill.
**Berkshire Mfg. Co. ("Berkshire"), Whitney Power blk, Cleveland, O.**
**Buckeye Products Co., 919-929 W 5th,** Cincinnati, O. *See adv index at end of book*
**Great Western Mfg. Co., Leavenworth, Kan.**
**Hausfeld, Harrison, O.**
**Malleable Iron Fittings Co., Branford, Conn.**
**Manitowoc Electric Implement Co., Manitowoc, Wis.**
**Paxson J. W. Co., 1021 N Delaware av, Phila., Pa.**
**Pressed Steel Co. ("L. & A."), Muskegon, Mich.**
**Tessmer Machine & Tool Co., 285 Rivard, Detroit, Mich.**
**Whitehead Bros. Co., 537 W 27th, New York**
**Woodison E. J. Co., 1621 St. Aubin, Detroit, Mich.**

### 16503—Vibrators (Massage)

**Adbro Mfg. Co. ("La Vida" Electric), Phipps Power bldg, Pittsburgh, Pa.**
**Allison W. D. Co. ("Bihlmair"), Indianapolis, Ind.**
**Arnold Electric Co. ("Arnold" Electric), Racine, Wis.**
**Baker Electric Co., Hartford, Conn.**




All Parts Interchangeable
Every Vise Guaranteed Against Breakage

# MORGAN VISES

## For Machinists and Woodworkers

Made from a special analysis gray iron and scientifically designed to withstand the abuse of extreme hard service.

The jaws of our machinists' vises are equipped with interchangeable steel faces. This feature alone adds 100% to the life of each vise.

## MORGAN VISE CO.

GEO. W. MORGAN, President

37 S. Desplaines Street CHICAGO, U. S. A.

**Barker James ("Barker"), 6th & Cayuga, Phila., Pa.**
**Betz Frank S. Co., Hammond, Ind.**
**Chicago Motor & Vibrator Co., 163 N Wabash, Chicago, Ill.**
Crown Surgical Instrument Co., 798 8th av, New York
**Drake Elec. Wks., 19 S Wells, Chicago, Ill.**
**Electric Mfg. Co., 59 New Montgomery, San Francisco, Cal.**
**Eureka Vibrator Co. ("Vibro-Life" Hand Power), 131 W 42d, New York**
**Fisher Adam Mfg. Co. ("Magic" Vacuum), 3624 Enright, St. Louis, Mo.**
**Geier P. A. Co. ("Rex," Electric), Cleveland, O.**
**Globe Manufacturing Co. (Compressed Air, etc), Battle Creek, Mich.**
**Haas R. Electric & Mfg. Co. ("Ideal"), Springfield, Ill.**
**Hamilton-Beach Mfg. Co. ("Hamilton-Beach"), Racine, Wis.**
**Horn Electric Co., 110 S Desplaines, Chicago, Ill.**
**Hughes J. W. Co., 110 E 23d, New York**
**Kny-Scheerer Co. (Physicians), 404 W 27th, New York**
**Lindstrom Smith Co. ("White Cross" Electric), 3212 W Lake, Chicago, Ill.**
**McIntosh Battery & Optical Co., 217 N. Desplaines, Chicago, Ill.**
**MANHATTAN ELECTRICAL SUPPLY CO. "Premier," Battery Type), 17 Park pl, New York.**
*See adv index at end of book*
**Marshall Vibrator Co., 141 W 36th, New York**
**Meyer Wm. Co., 1644 Girard, Chicago, Ill.**
**National Electrical Mfg. Co., 1161 B'way, New York**
**New Britain Tool & Mfg. Co. ("Red Devil"), New Britain, Conn.**
**Nu-System Elec. Vibrator Co., Lightner bldg, Detroit, Mich.**
**O'Connor Elec. Co., Inc., 817 E 144th, New York**
**Racine Universal Motor Co. ("Universal"), Monadnock block, 53 W Jackson blvd, Chicago, Ill.**
**Schunck & Ogg ("Fraley," "Ajex" Electric Hand), 235 Canal, New York**
**Shelton Electric Co. ("Gentry" Electric), 30 E 42d, New York**
**Southern Electric Co. ("American"), 1100 Pine, St. Louis, Mo.**
**Stolz Electrophone Co., 5 N Wabash av, Chicago, Ill.**
**Strand N. A. & Co., 631 W. Jackson blvd. Chicago, Ill.**
**Universal Novelty Wks. ("Vibrosimplex"), 164 5th av, New York**
**Vibrassage Co., 659 Wells, Chicago, Ill.**
**Victor Electric Co., 236 S Robey, Chicago, Ill.**
**Wahl Mfg. Co., Sterling, Ill.**
**Waite & Bartlett Mfg. Co. (Electric Pneumatic), 53 Jackson av, Long Island City, N. Y.**
**Wappler Electric Co., 187 Harris av, Long Island City, N. Y.**
**Wisconsin Elec. Co., Dumore bldg, Racine, Wis.**

### 5503a— Vigorite

**ATLAS POWDER CO.,** 140 N Broad, Phila., Pa.
*See adv index at end of book*

Giant Powder Co. Cons., San Francisco, Cal. *See adv index at end of book*

### 16503b— Vine Trainers (Wire)

**Buffalo Wire Works Co., 453 Terrace,** Buffalo, N. Y. *See adv index at end of book*

### 16504— Viscosimeters

Bausch & Lomb Optical Co., Rochester, N. Y.
Braun-Knecht-Heimann Co. (Redwood), 576-584 Mission, San Francisco, Cal.
Elmer & Amend ("Engler's," "Doolittle's," "McMichael's" Improved, etc), 205 3d av, New York
Feidt Geo. D. & Co. ("Doolittle's" Torsion), 244 N 5th, Phila., Pa.
Olsen Tinius Testing Machine Co., 500 N 12th, Phila., Pa.
Tagliabue Chas. J. Mfg. Co., ("Saybolt" Samplers, "Tag" Flash Testers), 18 33d, Brooklyn, N. Y.

### 16505—Vise Drilling Attachments

Goodell-Pratt Co., Greenfield, Mass.
Prentiss Vise Co., 110 Lafayette, New York

### 16506— Vise Pipe Grip

Athol Machine Co. ("Standard" to be Attached or Inserted to Jaws of a Vise for Making Pipe Vise), Athol, Mass.

### 16507—Vise Stands (Portable)

Martin H. P. & Sons, Owensboro, Ky.
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
**WESTERN TOOL & MFG. CO.** ("Champion"), Springfield, O.
William J. H. & Co. ("Vulcan Drop Forged), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

### 16508— Vises (Amateur)

**Athol Machine Co., Athol, Mass.**
Columbian Hardware Co., Cleveland, O.
Grey Iron Casting Co., Mt. Joy, Pa.
Rock Island Mfg. Co., Rock Island, Ill.
Stanley Rule & Level Co. ("Jersey") New Britain, Conn.
Yost Mfg. Co., Meadville, Pa.

### 16509—Vises (Anvil, Etc., Combination)

See also Anvil & Vise, Combined

**Adams Co. ("The Diamond"), Dubuque, Iowa**
**Bonney Vise & Tool Works, Allentown, Pa.**
*See adv index at end of book*
Columbian Hardware Co., Cleveland, O.
Fulton Iron Works, 39 Franklin, Detroit, Mich.
Germanow-Simon Machine Works ("G.-S") 58 Mill, Rochester, N. Y.
**Millers Falls Co., 28 Warren, New York**
**Newhall Chain, Forge & Iron Co. ("Trident"), 89 West, New York**
**Phoenix Hardware Co., Buffalo, N. Y.**
Prentiss Vise Co., 110 Lafayette, New York
Reading Saddle & Mfg. Co. (Household), **Reading, Pa.**
**Rock Island Mfg. Co., Rock Island, Ill.**
Sargent & Co., New Haven, Conn.
**Yost Mfg. Co., Meadville, Pa.**

### 16510— Vises (Automobile)

Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
Columbian Hardware Co., Cleveland, O.
**Rock Island Mfg. Co., Rock Island, Ill.**
**Yost Mfg. Co., Meadville, Pa.**

### 16511— Vises (Ball)

Muehlmatt Adolph ("Rex" Universal), 17 Lion bldg, Cincinnati, O.

### 16512— Vises (Band Saw)

Atkins E. C. & Co., Indianapolis, Ind.
Edge Frank & Co., Grand Rapids, Mich.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
Oliver Machinery Co. (Band Saw Filing), Grand Rapids, Mich.

### 16513— Vises (Bench)

See also Vises, Machinists; Vises, Woodworking

Abernathy Vise & Tool Co.Co. (Rapid Acting, Woodworkers' Vises), 227 Englewood av, Chicago, Ill.
**Athol Machine Co. ("Simpson" Standard, "Starrett Improved" and "Athol"), Athol, Mass.**
Aurora Door Hanger & Specialty Co. (Quick Acting Machinists' & Woodworkers'), Aurora, Ill.
Barbour Stockwell Co. (Screw, the "Chandler" & "Washburn"), Cambridge, Mass.
Blissfield Motor Works ("Davenport" Tilting), Blissfield, Mich.
**BONNEY VISE & TOOL WORKS** ("Bonney" & "Champion", "Lehigh"), Allentown, Pa. *See adv index at end of book*
Columbian Hardware Co. (Machinists, "Columbian," etc), Cleveland, O.
Emmert Mfg. Co. ("Tiger"), Waynesboro, Pa.
Erie Tool Works, Erie, Pa.
Fisher & Norris ("Fisher"), Trenton, N. J.
Fulton Machine & Vise Co. ("Peerless," "Fulton" Swivel), Lowville, N. Y.
Globe Vise & Truck Co., Grand Rapids, Mich.
Goodell-Pratt Co., Greenfield, Mass.
Hollands Mfg. Co. ("Keystone"), 352 E 18th, Erie, Pa.
Illinois Iron & Bolt Co. (Machinists, etc), Carpentersville, Ill.
Ingersoll-Rand Co., 11 B'way, New York
*See adv index at end of book*
Irving Mfg. & Tool Co., 157 Chambers, New York
Massey Vise Co., 35 S Desplaines, Chicago, Ill.
**MERRILL BROS.** (Steel Bar, Parallel Jaws, Swivel Base), 3 Arnold, Maspeth (Borough of Queens), New York
*See adv index at end of book*

VISES (BENCH)—continued
Millers Falls Co., 28 Warren, New York
**MORGAN VISE CO.**, 37 S Desplaines, Chicago, Ill. *See adv index at end of book*
North Bros. Mfg. Co. ("Yankee"), Lehigh & American, Phila., Pa.
Oliver Machy. Co., Grand Rapids, Mich.
Parker Chas. Co., Meriden, Conn.
Phoenix Hardware Co., Buffalo, N. Y.
Prentiss Vise Co. ("Prentiss," "Gipsy"), 110 Lafayette, New York
Reed Mfg. Co., Erie, Pa.
Richards-Wilcox Mfg. Co. ("Wilcox" Woodworking Rapid Acting), Aurora, Ill.
Rock Island Mfg. Co. ("Rock Island," Automatic Swivel, Lock Jaw), Rock Island, Ill.
Sargent & Co., New Haven, Conn.
Stanley Rule & Level Co., New Britain, Conn.
Stearns E. C. & Co. ("Stearns" Gypsy Pattern & Oval Slide), 450 Oneida, Syracuse, N. Y.
Superior Tool Co. ("Du Charme" Quick Adjusting), Cambridge, O.
Toles W. C. Co., 4034 N Tripp av, Chicago, Ill.
Walworth Mfg. Co. ("Walworth"), Boston, Mass.
Yost Mfg. Co. ("Yost" Solid & Adjustable Jaw, also Pattern Makers' Vises), Meadville, Pa.

## 16514— Vises (Bicycle)

Massey Vise Co., 35 S Desplaines, Chicago, Ill.
Phoenix Hardware Co., Buffalo, N. Y.
Prentiss Vise Co., 110 Lafayette, New York
Yost Mfg. Co., Meadville, Pa.

## 16515— Vises (Blacksmiths')

Boker Cutlery & Hardware Co. ("Indian Chief"), 101 Duane, New York
Columbian Hardware Co., Cleveland, O.
**COLUMBUS FORGE & IRON CO.**, Columbus, O. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
Fisher & Norris ("Fisher"), Trenton, N. J.
New London Vise Works, New London, Conn.
Rock Island Mfg. Co. ("Rock Island" Automatic Swivel), Rock Island, Ill.
**WARREN TOOL & FORGE CO.**, Warren, O. *See adv index at end of book*

BLACKSMITHS' LEG
VISES
THE WARREN TOOL & FORGE CO.,
WARREN, OHIO, U. S. A.

## Vises (Cabinet Makers')

See Vises, Coachmakers' or Woodworkers'

## 16516—Vises (Carpet & Oil Cloth)

Kraeuter & Co., 583 18th av, Newark, N. J.
Osborne C. S. & Co. ("Kelly"), Box 183, Newark, N. J.
*See adv index at end of book*

## 16517—Vises (Chain Pipe)

Ellis & Ford Mfg. Co. ("Ellis"), Detroit, Mich.
Erie Tool Works, Erie, Pa.
Gerolo Mfg. Co. (Chain Grip), Old Colony bldg, Chicago, Ill.
Williams J. H. & Co. ("Vulcan" Drop Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 16518— Vises (Chipping)

Columbian Hardware Co., Cleveland, O.
Hollands Mfg. Co. ("Keystone"), 352 E 18th, Erie, Pa.
*See adv index at end of book*
Prentiss Vise Co. (Heavy Chipping), 110 Lafayette, New York
Yost Mfg. Co. (Heavy Chipping), Meadville, Pa.

## 16519— Vises (Clamp)

Athol Machine Co., ("Standard", "Superior" & "Starrett"), Athol, Mass.
Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
Columbian Hardware Co., Cleveland, O.
Millers Falls Co. (Oval Slide), 28 Warren, New York
Phoenix Hardware Co., Buffalo, N. Y.
Prentiss Vise Co., 110 Lafayette, New York
Rock Island Mfg. Co., Rock Island, Ill.
Stanley Rule & Level Co., New Britain, Conn.
Williams J. H. & Co., 31 Richards, Brooklyn, N. Y. *See adv index at end of book*
Yost Mfg Co., Meadville, Pa.

## 16520—Vises (Coach Makers' or Wood-Workers')

Athol Machine Co. ("Simpson"), Athol, Mass.
Barrett Machine Tool Co., Meadville, Pa.
Champion Hdwe. Co., Geneva, O.
Columbian Hardware Co., Cleveland, O.
Fisher & Norris ("Fisher" Quick Acting Wood Worker), Trenton, N. J.
General Machine Works, York, Pa.
Globe Vise & Truck Co., Grand Rapids, Mich.
Hollands Mfg. Co. ("Hollands" & "Penn"), 352 E 18th, Erie, Pa.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Mann Corp. (Wood Workers, "Manco"), 72 W Adams, Chicago, Ill.
Massey Vise Co., 35 S Desplaines, Chicago, Ill.
Morgan Vise Co., 37 S Desplaines, Chicago, Ill. *See adv index at end of book*
New London Vise Works ("Hyde's"), New London, Conn.
Oliver Machinery Co., Grand Rapids, Mich.
O'Neil J. H., Jr. (Carpenters), Pawtucket, R. I.
Parker Chas. Co., Meriden, Conn.
Prentiss Vise Co. ("Monarch," "Bingham," "Shephard"), 110 Lafayette, New York
Rock Island Mfg. Co., Rock Island, Ill.
Toles W. C. Co. (Rapid Acting), 4034 N Tripp av, Chicago, Ill.
Wyman-Gordon Co. (Quick Action Wood Worker), Worcester, Mass.
Yost Mfg. Co ("Yost" Pattern Makers), Meadville, Pa.

## Vises (Combination, Anvil, Etc.)

See Anvil, Vise & Drill Combined

## Vises (Combination, Drill, Etc.)

See Vises, Anvil, etc, Combination

## 16521— Vises (Cutters')

New London Vise Works, New London, Conn.

## 16521a— Vises (Drill Press)

Germanow-Simon Machine Works ("G. S."), 58 Mill, Rochester, N. Y.
Ketchum Tool Equipment Co. ("Ketchum"), Bridgeport, Conn.
Massey Vise Co., 35 S Desplaines, Chicago, Ill.
Morgan Vise Co., 37 S Desplaines, Chicago, Ill. *See adv index at end of book*
Plunket Jas. E., 1345 W Lake, Chicago, Ill.
*See adv index at end of book*

## 16522—Vises (Drilling Machine)

Ainslie Machine & Tool Works ("Handy"), 35 Jefferson av, Hartford, Conn.
Armstrong Bros. Tool Co. ("Armstrong" Quick Action) 339 N Francisco av, Chicago, Ill.
Blissfield Motor Works ("Davenport" Tilting for Drill Presses), Blissfield, Mich.
Carter & Hakes Machine Co. (Screw), Winsted, Conn.
Cincinnati-Bickford Tool Co. ("Cincinnati"), Cincinnati, O.
Frederick Machine Works, Norwalk, O.
Graham Mfg. Co., 96 Point, Providence, R. I.
Hoggson & Pettis Mfg. Co. (Drill Press), New Haven, Conn.
Hoosier Drilling Machine Co. ("Hoosier"), Goshen, Ind.
Massey Vise Co., 35 S Desplaines, Chicago, Ill.
Mather W. H. H., 105th & Quebec av, Cleveland, O.
Millers Falls Co. ("Alford"), 28 Warren, New York
Mohn W. D. & Co. ("Mohn"), Reading, Pa.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
North Wales Machine Co., North Wales, Pa.
Plunket Jas. E. ("Plunket" Drill Press"), 1345 W Lake, Chicago, Ill.
*See adv index at end of book*
Rock Island Mfg. Co., Rock Island, Ill.
St. Louis Sales Co. ("Quick Action"), Chemical bldg, St. Louis, Mo.
Sellew Machine Tool Co. ("Universal"), Pawtucket, R. I.
Skinner Chuck Co. ("Skinner"), New Britain, Conn.
Sunderland Machinery & Supply Co., Omaha, Neb.
Union Tool Co. ("Hill for Drill Press"), Orange, Mass.
Wilcox Mfg. Co., 4824 W Lake, Chicago, Ill.
Yost Mfg Co., Meadville, Pa.

## 16523— Vises (Farmers')

Athol Machine Co., Athol, Mass.
Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
Columbian Hardware Co. ("Columbian"), Cleveland, O.
Parker Chas. Co., Meriden, Conn.
Phoenix Hardware Co., Buffalo, N. Y.
Rock Island Mfg. Co., Rock Island, Ill.
Yost Mfg Co., Meadville, Pa.

## Vises (Filers)

See Vises, Saw

## 16524—Vises (Foot, Blacksmiths')

Columbian Hardware Co., Cleveland, O.
Illinois Iron & Bolt Co. ("Rice"), Carpentersville, Ill.
New London Vise Works, ("Hyde's" Horse Shoers'), New London, Conn.
Noyes B. B. Co. ("Little Giant," Vise & Bolt Header Combined), Greenfield, Mass.

## 16525— Vises (Hand)

See also Vises, Pin

Athol Machine Co. ("Boss," "Standard"), Athol, Mass.
Bonney Vise & Tool Works (Swivel Bench & Hand Vise Combined), Allentown, Pa. *See adv index at end of book*
Braunsdorf-Mueller Co., Elizabeth, N. J.
Bullock Mfg. Associates, Springfield, Mass.
Columbian Hardware Co., Cleveland, O.
Dikeman Mfg. Co. (Hard Wood Handle), Norwalk, Conn.
Goodell-Pratt Co., Greenfield, Mass.
Grey Iron Casting Co., Mt. Joy, Pa.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Irving Mfg. & Tool Co., 157 Chambers, New York
Kilborn & Bishop Co. ("K. & B."), 194 Chapel, New Haven, Conn.
*See adv index at end of book*
**LOWELL WRENCH CO. ("Lowell"), 54 Commercial, Worcester, Mass.**
*See adv index at end of book*
Malleable Iron Fittings Co. ("M. I. F. Co." Hand & Bench), Branford, Conn.
Millers Falls Co. ("Alford"), 28 Warren, New York
Phoenix Hardware Co., Buffalo, N. Y.
Reading Saddle & Mfg. Co. (Household) Reading, Pa.
Robinson M. W. Co. ("Rollis"), 296 B'way, New York
Rock Island Mfg. Co., Rock Island, Ill.
Smith Otis A. (Hand, with Parallel Jaw), Rockfall, Conn.

## 16526—Vises (Horseshoers')

Butts & Ordway Co. ("Sure Grip"), 33 Purchase, Boston, Mass.
Champion Tool Co. ("Champion" Foot) Meadville, Pa.
Columbian Hardware Co., Cleveland, O.
Iron City Tool Works, Ltd. (Solid Box), 2201 Smallman, Pittsburgh, Pa.

## 16527— Vises (Jewelers')

Athol Machine Co. ("Standard," "Simpson," "Starrett" and "Athol"), Athol, Mass.
Bullock Mfg. Associates (Combination Pipe & Nut), Springfield, Mass.
Kendrick-Davis Co. ("K.-D."), Lebanon, N. H.

**LOWELL WRENCH CO. ("Lowell" Pin), 54 Commercial, Worcester, Mass.**
*See adv index at end of book*
Parker Chas. Co., Meriden, Conn.
Phoenix Hardware Co., Buffalo, N. Y.
Prentiss Vise Co., 110 Lafayette, New York
Rock Island Mfg. Co., Rock Island, Ill.
Stanley Rule & Level Co., New Britain, Conn.
Worthington & Raymond (Imp.), ("Optimus," "W. & R."), 71 Murray, New York
Yost Mfg Co., Meadville, Pa.

## 16528— Vises (Linemen's)

Dicke Tool Co., Downers Grove, Ill.

## 16528a— *Vises (Machine Tool)

Plunket Jas. E., 1345 W Lake, Chicago, Ill.
*See adv index at end of book*

## 16529— Vises (Machinists')

**Athol Machine Co. ("Starrett's Improved," "Simpson" & "Standard" Parallel Jaw, also Stationary Swivel Jaw &** Swivel Base), Athol, Mass.
**Aurora Door Hanger & Specialty Co., Aurora, Ill.**
Barrett Machine Tool Co. (Adjustable Jaw, Swivel Bottom & Parallel), Meadville, Pa.
Boker Cutlery & Hardware Co. ("Star," "F. & R."), 101 Duane, New York
**BONNEY VISE & TOOL WORKS, INC.** (Parallel "Ajax," "Hercules"), Allentown, Pa. *See adv index at end of book*
**Columbian Hardware Co. (Parallel Jaw),** Cleveland, O.
Emmert Mfg. Co. ("Emmert" Universal Parallel Jaw), Waynesboro, Pa.
Erie Tool Works, Erie, Pa.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Fisher & Norris ("Fisher" Quick Acting), Trenton, N. J.
Fulton Machine & Vise Co., Lowville, N. Y.
Hartford Special Machinery Co. (5-in. Quick Acting), Hartford, Conn.
**Hollands Mfg. Co. ("Hollands" & "Penn" Parallel & Swivelling Jaw), 352 E 18th, Erie, Pa.**
Holmes Mfg. Co., Shelton, Conn.
**Illinois Iron & Bolt Co. (Swivel Self-Adjusting & Parallel), Carpentersville, Ill.**
Massey Vise Co., 35 S Desplaines, Chicago, Ill.
**MERRILL BROS.** (Parallel Jaw), 3 Arnold, Maspeth (Borough of Queens), New York *See adv index at end of book*
Millers Falls Co., 28 Warren, New York
Morgan Vise Co., 37 S Desplaines, Chicago, Ill. *See adv index at end of book*
New Britain Machine Co. ("New Britain"), 190 Chestnut, New Britain, Conn.
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
Parker Chas. Co. ("Victor" Parallel & Swivelling Jaw). Meriden, Conn.
Phoenix Hardware Co., Buffalo, N. Y.
Plunket James E., 1345 W Lake, Chicago, Ill. *See adv index at end of book*
Prentiss Vise Co. ("Monarch," "Bingham," Parallel & Swiveling Jaw), 110 Lafayette, New York
Reed Mfg. Co. (Parallel & Swivelling Jaw), Erie, Pa.
**Rock Island Mfg. Co. ("Rock Island" Automatic Swivel), Rock Island, Ill.**
Sanford F. C. Mfg. Co. ("Sanford" Quick Action & High Duty), Bridgeport, Conn.
Sargent & Co., New Haven, Conn.
Spafford Tool Works ("Supreme" Quick Action), Hartford, Conn.
Stanley Rule & Level Co. (For Milling & Grinding), New Britain, Conn.
**Union Tool Co. ("Hill" Parallel Jaw), Orange, Mass.**
**Western Tool & Mfg. Co., Springfield, O.**
Yost Mfg. Co. ("Yost," "Gem," & Stephen's"), **Meadville, Pa.**
Zernickow O. (Divided), 15 Park Row, New York

## 16530—Vises (Manual Training)

Columbian Hardware Co., Cleveland, O.
Emmert Mfg. Co. ("Eureka"), Waynesboro, Pa.
Morgan Vise Co., 37 S Desplaines, Chicago, Ill. *See adv index at end of book*
**Rock Island Mfg. Co., Rock Island, Ill.**
Yost Mfg Co. ("Yost"), Meadville, Pa.

## 16530a— *Vises (Milling)

Plunket Jas. E., 1345 W Lake, Chicago, Ill.
*See adv index at end of book*

## 16531—Vises (Milling Machine)

American Pneumatic Chuck Co. ("American"), 9 S Clinton, Chicago, Ill.
**BECKER MILLING MACHINE CO.,** Hyde Park, Mass.
Bilton Machine Tool Co. (The), ("Bilton"), Bridgeport, Conn.
Blissfield Motor Works ("Davenport" Tilting), **Blissfield, Mich.**
Brown Engineering Co. ("Utility"), Reading, Pa. *See adv index at end of book*
**Brown & Sharpe Mfg. Co., Providence, R. I.**
Carter & Hakes Machine Co. (Quick Operating Lever & Screw), Winsted, Conn.
**Cincinnati Milling Machine Co., Cincinnati, O.**
Clark-Mesker Co., 18511 Euclid av, Cleveland, Ohio
Edlund Mfg. Co., Cortlandt, N. Y.
**Fox Machine Co., Jackson, Mich.**
**Frederick Machine Wks., 460 Foster av,** Norwalk, Conn.
**Garvin Machine Co., 147 Varick, New York**
Germanow-Simon Machine Works ("G. S."), 58 Mill, Rochester, N. Y.
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*
**Hendey Machine Co., ("Hendey"), Torrington, Conn.**
**Kempsmith Mfg. Co., West Allis, Wis.**
Ketchum Tool Equipment Co ("Ketchum"), Bridgeport, Conn.
**Le Blond R. K. Mach. Tool Co., Cincinnati, O.**
Massey Vise Co., 35 S Desplaines, Chicago, Ill.
Moback Tool & Machine Mfg. Co. ("Moback" Plain & Swivel), 330 Atlantic av, Boston, Mass.
Morgan Vise Co., 37 S Desplaines, Chicago, Ill. *See adv index at end of book*
**North Wales Machine Co., North Wales, Pa.**
Oesterlein Machine Co., Cincinnati, O.
Plunkett Jas. E. ("Plunkett"), 1345 W Lake, Chicago, Ill.
*See adv index at end of book*
**Pratt & Whitney Co., Hartford, Conn.**
**Rock Island Mfg. Co., Rock Island, Ill.**
Union Tool Co. ("Hill"), Orange, Mass.
**Whitney Mfg. Co., Hartford, Conn.**

## 16531a— *Vises (Mount)

Williams J. H. & Co. ("Vulcan" Drop Forged), 31 Richards, Brooklyn, N. Y
*See adv index at end of book*

## 16532— Vises (Oval Slide)

Adams Co. ("Adams"), Dubuque, Ia.
**Athol Machine Co., Athol, Mass.**
Parker Chas. Co., Meriden, Conn.
Rock Island Mfg. Co., Rock Island, Ill.
Yost Mfg Co., Meadville, Pa.

## 16533— Vises (Parallel)

See also Vises, Bench

**Barrett Machine Tool Co., Meadville, Pa.**
Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
Columbia Hardware Co., Cleveland, O.
**Fisher & Norris ("Fisher" Double Screw), Trenton, N. J.**
**Hollands Mfg. Co. ("Hollands" & "Penn"), 352 E 18th, Erie, Pa.**
Massey Vise Co., 35 S Desplaines, Chicago, Ill.
**MERRILL BROS.** (Steel Bar), 3 Arnold, **Maspeth (Borough of Queens), New York.** *See adv index at end of book*
**Parker Chas. Co., Meriden, Conn.**
Prentiss Vise Co. ("Bull-Dog"), 110 Lafayette, New York
Rock Island Mfg. Co., Rock Island, Ill.
Yost Mfg Co., Meadville, Pa.
Zernickow O. (Divided), 15 Park Row, New York

## Vises (Pattern Makers')

**See Vises, Coach Makers' or Wood Workers; also Vises, Bench**

## 16534—Vises (Picture Frame)

**Rockford Mitre Box Co. ("Star"), Rockford, Ill.**

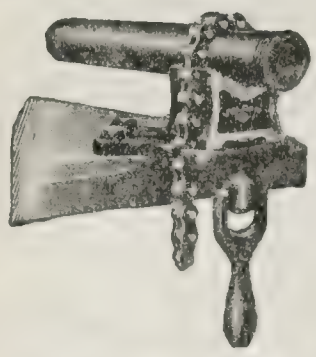
## 16535— Vises (Pin)

See also Vises, Hand

Braunsdorf-Mueller Co., Elizabeth, N. J.
Fray John S. Co., Bridgeport, Conn.
Goodell-Pratt Co., Greenfield, Mass.
**Kendrick-Davis Co. ("K.-D."), Lebanon,** N. H.
**LOWELL WRENCH CO. ("Lowell" Jewelers, etc.), 54 Commercial, Worcester, Mass.** *See adv index at end of book*
Robinson M. W. Co. ("Robinson"), 296 B'way, New York
**STARRETT L. S. CO. (THE),** Athol, Mass.
*See adv index at end of book*

## 16536— Vises (Pipe)

Armstrong Mfg. Co. ("Armstrong" Hinged Pipe Vises), 278 Knowlton, Bridgeport, Conn.
Barrett Machine Tool Co. ("The Barrett" Combination), Meadville, Pa.
Butler Co., Butler, Ind.
Butterfield & Co., Derby Line, Vt.
Channon Jas. H. Mfg. Co., 227 W. Erie, Chicago, Ill.
Columbian Hardware Co., Cleveland, O.
Columbus Machine Works, Columbus, Ind.
**Crane Co. (Malleable Iron), Bridgeport, Conn.**
Crown Die & Tool Co. ("Crown"), 553 W Monroe, Chicago, Ill.
Dikeman Mfg. Co. ("Handy," Small for Electricians, Pipe Fitters, etc), Norwalk, Conn.
Emmert Mfg. Co. ("Tiger"), Waynesboro, Pa.
Erie Tool Works (Chain, etc), Erie, Pa.
Fulton Machine & Vise Co. ("F. & R.," "Star" Solid Jaw & Combination Pipe), Lowville, N. Y.
**GREENFIELD TAP & DIE CORP.** ("Wells"), Greenfield, Mass.
*See adv index at end of book*
**Handy Mfg. Co. ("Handy"), Bridgeport, Conn.**
Hilts Wrench & Mfg. Co. ("Vulcan" Chain), Richford, N. Y.
Hinman D. A. & Co. ("Enterprise"), **Sandwich, Ill.**
Hollands Mfg. Co. (Malleable Hinged, "Hollands" Roller, Jaw & Open Side), 352 E 18th, Erie, Pa.
Illinois Iron & Bolt Co. ("I. I. & B. Co."), Carpentersville, Ill.
Jarecki Mfg. Co. ("Jarecki"), Erie, Pa.
Mark Mfg. Co. ("Roller"), Evanston, Ill.
Massey Vise Co., 35 S Desplaines, Chicago, Ill.
Nason Mfg. Co., 71 Fulton, New York
Nye Tool & Machine Works ("Nye"), 108 N Jefferson, Chicago, Ill.
Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
Oswego Tool Co. ("Walworth," "Armstrong," "Smith," "Parker," Combination "Jarecki"), Oswego, N. Y.
Parker Chas. Co. (Combination), Meriden, Conn.
Parmelee Tool Co. ("Stillson"), 2515 W. Monroe, Chicago, Ill.
Phoenix Hardware Co., Buffalo, N. Y.
Prentiss Vise Co. ("Prentiss," Open Side & "20th Century," "Shepard," "Rex," "Blake"), 110 Lafayette, New York
Reed Mfg. Co., Erie, Pa.
**Rock Island Mfg. Co. ("Rock Island" Automatic Swivel & Hinged), Rock Island, Ill.**
Saunders D. Sons Co., Yonkers, N. Y.
Spencer Regulator Co. ("Spencer," "Searls"), Salem, Mass.



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VISES (PIPE)—continued

**Superior Tool Co.** ("Du Charme," Quick Adjusting Open Top), Cambridge, O.
**Toledo Pipe Threading Machine Co., 1440 Summit, Toledo, O.**
Vanderman Mfg. Co. (Combination Bench), Willimantic, Conn.
Walworth Mfg. Co. ("Klingfast"), Boston, Mass.
Warnock Mfg. Co. ("Warnock" Smooth cester, Mass.
**Whittington-Vaughn Co. ("Whittington"), Easton, Pa.**
Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*
Young Joseph H. Co. (Brass Combination), 82 High, Boston, Mass.

## 16537—Vises (Pipe, Combination)

**Athol Machine Co., Athol, Mass.**
Bonney Vise & Tool Works, Allentown, Pa. *See adv index at end of book*
Columbian Hardware Co., Cleveland, O.
**Fisher & Norris ("Fisher" Quick Acting), Trenton, N. J.**
**Fulton Machine & Vise Co., Lowville, N. Y.**
**Hollands Mfg. Co.** ("Hollands" Standard & Extra Heavy), 352 E 18th, Erie, Pa.
Morgan Vise Co., 37 S Desplaines, Chicago, Ill. *See adv index at end of book*
Prentiss Vise Co. ("Prentiss"), 110 Lafayette, New York
**Rock Island Mfg. Co., Rock Island, Ill.**
**Smith H. B. Co., ("Smith"), Westfield, Mass.**
Stowell Co. The ("Hanson" 5 Tools in One), South Milwaukee, Wis.
Yost Mfg Co., Meadville, Pa.
**Young Joseph H. Co. ("Crawford"), 82 High, Boston, Mass.**

## 16537a— *Vises (Pipe Mount)

Williams J. H. & Co. ("Vulcan" Drop-Forged), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

## 16538—Vises (Planer & Shaper)

**Blissfield Motor Works** ("Davenport" Tilting), Blissfield, Mich.
Carter & Hakes Machine Co. (Screw), Winsted, Conn.
Frederick Machine Works, Norwalk, O.
**Fulton Machine Co., Canal Fulton, O.**
Hendey Machine Co. ("Hendey") Torrington, Conn.
Massey Vise Co., 35 S Desplaines, Chicago, Ill.
Plunket Jas. E., 1345 W Lake, Chicago, Ill. *See adv index at end of book*
Pratt & Whitney Co., Hartford, Conn.
Rock Island Mfg. Co., Rock Island, Ill.
**Sellew Machine Tool Co., Pawtucket, R. I.**
Union Tool Co. ("Hill"), Orange, Mass.

## 16539—Vises (Rule Bending)

Griswold George M. Machine Co. (Folding Box Makers), New Haven, Conn.
Rock Island Mfg. Co., Rock Island, Ill.

## 16540— Vises (Saw)

See also Clamps; also Vises, Band Saw

Atkins E. C. & Co., Indianapolis, Ind.
Baldwin Tuthill & Bolton (For Band Saws), Grand Rapids, Mich.
Buckeye Mfg. & Foundry Co. (Folding), 2046 W 55th, Cleveland, O.
**Cincinnati Tool Co. ("Hargrave"), Norwood, Cincinnati, O.** *See adv index at end of book*
Clipper Tool Co. ("Neverbreak" All-Steel), 284 Mills, Buffalo, N. Y.
Disston Hy. & Sons, Tacony, Phila., Pa.
Filer & Stowell Co. ("Cunningham," for Band & Gang Saws), Milwaukee, Wis.
**GRAMMES L. F. & SONS,** Allentown, Pa. *See adv index at end of book*
Huther Bros. Saw Mfg. Co. (Adjustable Circular), Rochester, N. Y. *See adv index at end of book*
Loetscher-Ryan Mfg. Co., Dubuque, Ia.
New Britain Machine Co. ("New Britain" (Band & Circular Saw Vises), 190 Chestnut, New Britain, Conn.
Oliver Machinery Co. (Adjustable Circular, etc), Grand Rapids, Mich.
Parker Chas. Co. (Adjustable Saw Filers), Meriden, Conn.
Phoenix Hardware Co. ("Phoenix"), Buffalo, N. Y.
Sargent & Co. ("Wentworth" Improved Pattern "Sargent"), New Haven, Conn.
**Stearns E. C. & Co. ("Stearns," "Wentworth"), 450 Oneida, Syracuse, N. Y.**
Stover Mfg. & Engine Co., Freeport, Ill.
Weber Mfg. Co. (Folding Saw Filing Vises), West Allis, Wis.

## 16541—Vises (Shoe & Harness)

Stover Mfg. & Engine Co. ("Ideal"), Freeport, Ill.

## 16542— Vises (Solid Box)

Columbian Hardware Company, Cleveland, Ohio
**COLUMBUS FORGE & IRON CO.,** Columbus, O. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Fisher & Norris ("Fisher"), Trenton, N. J.
**Iron City Tool Works (Ltd.), 3201 Smallman, Pittsburgh, Pa.**
**MERRILL BROS.** (Steel Bar, Parallel Jaws, Swivel Base), 3 Arnold, Maspeth (Borough of Queens), New York *See adv index at end of book*
New London Vise Works, New London, Conn.
**Rock Island Mfg. Co., Rock Island, Ill.**

## 16543—Vises (Tool Makers')

Athol Machine Co., ("Standard", "Starrett", "Simpson", "Athol"), Athol, Mass.
Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
**Brown & Sharpe Mfg. Co., Providence, R. I.**
Champion Hardware Co., Geneva, O.
Columbian Hardware Co., Cleveland, O.
Deschanel Engineering Corp. (Vertical), 90 West, New York
**Emmert Mfg. Co. ("University"), Waynesboro, Pa.**
**MERRILL BROS.** (Steel Bar), 3 Arnold Maspeth (Boro. of Queens), New York *See adv index at end of book*
North Bros. Mfg. Co. ("Yankee"), Lehigh av & American, Phila., Pa.
Parker Chas. Co., Meriden, Conn.
**Rock Island Mfg. Co., Rock Island, Ill.**
Stanley Rule & Level Co., New Britain, Conn.
Yost Mfg Co., Meadville, Pa.

## 16543a— Vitrines

Biele Chas. T. & Sons Co., 381 W. 12th, New York

## Vitriol (Blue)

See Chemicals, Battery; also Copper Sulphate

## Vitriol (Green)

See Copperas

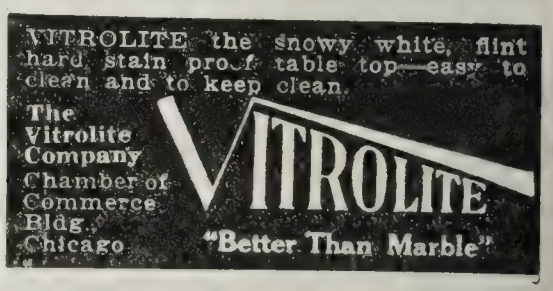
## Vitriol (White)

See Sulphate of Zinc

## 16544— Vitrolite

(Is a Structural Material, a Substitute for Marble)

Vitrolite Co., Chamber of Commerce bldg, Chicago, Ill. *See adv index at end of book*



## 16544a— Voltmeters (Battery)

Manhattan Electrical Supply Co., 17 Park pl, New York *See adv index at end of book*

## 16545— Voltmeters (Milli)

**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn. *See adv index at end of book*
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.

## 16546—Voltmeters & Frequency Indicator Combined

See also Ammeters & Voltmeters

**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*

## 16547— Vulcabeston

Johns-Pratt Co., The (For Electric Insulation & Steam Packing, etc), Hartford, Conn.

## 16548—Vulcanizers (Electric)

Electric Vulcanizer Co., 618 3rd av S, Minneapolis, Minn.
Gwynn-Bacon Vulcanizer Co., 2502 Cass, St. Louis, Mo.
Hughes D. C. & Co., 4642 Ravenswood av, Chicago, Ill.
Meiser G. H. & Co., 327 E Marquette rd, Chicago, Ill.
Premier Elec. Co., 1123 S Wabash av, Chicago, Ill.
Shaler C. A. Co., Waupun, Wis.

## 16549—Vulcanizers (Hose)

**BIGGS BOILER WORKS CO.**, Case av & Williams, Akron, O.
*See adv index at end of book*

## 16550—Vulcanizers (Rubber)

Adamson Machine Co., Akron, O.
*See adv index at end of book*
**BIGGS BOILER WORKS CO.**, (Biggs Patented Boltless Vulcanizers), Case av & Williams, Akron, O.
*See adv index at end of book*
Birmingham Iron Foundry (Tire), Derby, Conn.
Crossley Machine Co., State & Chestnut av, Trenton, N. J.
*See adv index at end of book*
Dorman J. F. W. Co. ("Peerless"), 526 N Calvert, Baltimore, Md.
Farrel Fdry. & Machine Co., Ansonia, Conn.
Hawgood Tire Equipment Co., Indianapolis, Ind.
Koven L. O. & Bro. (And All Other Kinds), 154 Ogden av, Jersey City, N. J. *See adv index at end of book*
Leslie Elliott & Co., Paterson, N. J.
McNeil Boiler Co., 96 Crozier, Akron, O.
Manitowoc Engineering Works, Manitowoc, Wis.
Smith R. H. Mfg. Co. ("Bay State" for Steam, "Handy" for Dry Heat), Springfield, Mass.
Smith Samuel & Son Co., Paterson, N. J.
Super-Vulcanizer Mfg. Co., Salt Lake City, Utah
Thropp Wm. R. & Sons Co., Trenton, N. J.
**THROPP'S JNO. E. SONS CO.**, ft of Lewis, Trenton, N. J.
*See adv index at end of book*
**WILLIAMS FOUNDRY & MACHINE CO.**, Akron, O. *See adv index at end of book*

## 16551-2—Vulcanizers (Tire & Tube)

Adamson Machine Co., Akron, O.
*See adv index at end of book*
Adamson Mfg. Co., East Palestine, O.
Anderson Rubber Works ("Miller's" Steam for Repairing Auto Inner Tubes), Anderson, Ind.
Auto Tire Exchange, Burlington, N. C.
Auto Tire Vulcanizing Co., Lowell, Mass.
Beach-Russ Co. (Rubber), 216-224 B'way, New York *See adv index at end of book*
**BIGGS BOILER WORKS CO.**, (Biggs Patented Boltless Vulcanizers), Case av & Williams, Akron, O.
*See adv index at end of book*
Burge Machine Works, 230 N Jefferson, Chicago, Ill.
Faultless Engine Co. (Gas), 1511 Cypress av, Kansas City, Mo.
Fisher Adam Mfg. Co. ("Three-in-One"), 3624 Enright, St. Louis, Mo.
Goodrich B. F. Co., Akron, O.
Keystone Rubber Mfg. Co. (Fluid for Inner Tube), Erie, Pa.
McGraw Tire & Rubber Co. ("Imperial"), East Palestine, O.
Midland Supply Co. ("Positive," Portable, Steam), Davenport, Ia.
National Motor Supply Co. 5606 Euclid, Cleveland, O.
Shaler C. A. Co. ("Shaler" Electric, Alcohol Steam), Waupun, Wis.
Thropp Wm. R. & Sons Co., Trenton, N. J.
**THROPP'S JNO. E. SONS CO.**, ft of Lewis, Trenton, N. J.
*See adv index at end of book*
Vanderpool Wm., Springfield, O.
Western Vulcanizer Mfg. Co., 150 N Desplaines, Chicago, Ill.
Williams Foundry & Machine Co., Akron, Ohio *See adv index at end of book*

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## 16553—Wagon Dump Boxes

Acme Road Machinery Co., Frankfort, N. Y.
American Cement Machine Co. ("Mandt"), Keokuk, Ia.
Columbia Wagon Co., Columbia, Pa.
Eagle Wagon Works, Auburn, N. Y.
Everett Mfg. Co. ("Everett," Portable), Newark, N. Y.
Galion Iron & Mfg. Wks. Co., Galion, O.
Knapheide Henry Wagon Co., Quincy, Ill.
Maytag Co. ("Parsons"), Newton, Ia.
Ohio Road Machinery Co. ("Ohio"), Oberlin, O.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.
Troy Wagon Works Co. ("Troy"), 100 E Race, Troy, O.
Turnbull Motor Truck & Wagon Co. ("Turnbull"), Defiance, O.

## 16553a—*Wagon Loaders

See also Loaders, Wagon

**AUSTIN MACHINERY CORP.**, Railway Exchange bldg, Chicago, Ill.
*See adv. index at end of book*

## 16554— Wagon Sunshades

Troy Carriage Sun Shade Co. (For Wagons, Trucks, etc), Troy, O.

## 16555—Wagons (Asphalt, Dump)

Blake J. M. & Son, Buffalo, N. Y.
Columbia Wagon Co., Columbia, Pa.
Eagle Wagon Works, Auburn, N. Y.
Milburn Wagon Co., Toledo, O.
Shadbolt Mfg. Co., 68 Flushing av, Brooklyn, N. Y.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co. (Steel Lined, etc), Tiffin, Ohio
Troy Wagon Works Co. ("Troy"), 100 East Race, Troy, O.
Watson Wagon Co., Canastota, N. Y.

## Wagons (Baggage & Express)

See Barrows, Baggage & Express

## 16556— Wagons (Bakers')

American Wagon Co., 8th & Sycamore,, Cincinnati, O.
Armleder O. Co., 12th & Plum, Cincinnati, Ohio
Koening & Luhrs Wagon Co., Quincy, Ill.
Martin Carriage Works, York, Pa.
Parsons Wagon Co., Earlville, N. Y.
Winkler Grimm Corp., South Bend, Ind.
Woeber Car & Mfg. Co., Denver, Colo.

## 16557— Wagons (Brewery)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Woeber Car & Mfg. Co., Denver, Colo.

## 16558-9—Wagons (Builders')

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Martin Carriage Works, York, Pa.
Milburn Wagon Co., Toledo, O.
Studebaker Corp., South Bend, Ind.
Watson Wagon Co., Canastota, N. Y.

## Wagons (Childrens')

See Vehicles, Children's

## 16560—Wagons (Coal Charging)

Jackson Mfg. Co., Harrisburg, Pa.
Kilbourne & Jacobs Mfg. Co. (Steel), Columbus, O.
*See adv index at end of book*

## 16561—Wagons (Coal & Coke)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Akron-Selle Co. (Spring), Akron, O.
Auburn Wagon Co., Martinsburg, W. Va.
Blake J. M. & Son, Buffalo, N. Y.
Jackson Mfg. Co., 4th & Boyd, Harrisburg, Pa. *See adv index at end of book*
Karges Wagon Co., Evansville, Ind.
Kilbourne & Jacobs Mfg. Co. (Coal), Columbus, O. *See adv index at end of book*
Kramer J. & Sons Mfg. Co. (Chute Coal), 675 Water, New York
Leonhardt Wagon Mfg. Co. (Coal Chute), 417 E Saratoga, Baltimore, Md.
Milburn Wagon Co., Toledo, O.
Mogul Wagon Co., Hopkinsville, Ky.
Owensboro Wagon Co., Owensboro, Ky.
Springfield Wagon Co., Springfield, Mo.
Streich A. & Bro. Co. (Spring & Dead Axle), Oshkosh, Wis.
Stroud & Co. (Coal Only), Omaha, Neb.
Studebaker Corp., South Bend, Ind.
Winkler Grimm Corp., South Bend, Ind.
Wright Thos. Co. (Elevating Rear & Side Delivery), 71 Colden, Jersey City, N. J.

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## 16562— Wagons (Coaster)

American National Co., Toledo, O.
Auto-Wheel Coaster Company, Inc., formerly Buffalo Sled Co. ("Auto-Wheel" & Coaster & Roadster), N Tonawanda, N. Y.
Durham Mfg. Co. (Auto), Muncie, Ind.
Henley Skate Co., Richmond, Ind.
Hunt, Helm, Ferris & Co. ("Star"), Harvard, Ill.
Janesville Products Co., Janesville, Wis.
John's Stamping & Machine Works Co., ("Three-in-One"), 1715 Leonard, Cleveland, O.
Martin & Heagy Mfg. Co. ("Hickory"), Elizabethtown, Pa.
Rockaway Mfg. Co. ("Rockaway"), 421-441 Culvert, Cincinnati, O.
Sheboygan Coaster & Wagon Works ("Unique," "Sheboygan," "Carry All" & Roller Steel Gear), Sheboygan, Wis.
South Bend Toy Mfg. Co. (Standard," "South Bend" Ball Bearing), South Bend, Ind.
Toledo Metal Wheel Co., Toledo, O.
Wabash Mfg. Co. ("Wabash Express" & Sleds), Terre Haute, Ind.
Wagner Mfg. Co., Cedar Falls, Ia.

## Wagons (Contractors')

See Wagons, Dumping

## 16563— Wagons (Dairy)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Columbia Wagon Co., Columbia, Pa.
Martin Carriage Works, York, Pa.
Milburn Wagon Co., Toledo, O.
Moline Plow Co. ("Freeport"), Moline, Ill.
Northwestern Mfg. Co., Fort Atkinson, Wis.
Stoughton Wagon Co., Stoughton, Wis.
Studebaker Corp'n, South Bend, Ind.
Vaughn Mfg. Co., Jefferson, Wis.

## 16564— Wagons (Delivery)

Acme Wagon Co., Emigsville, Pa.
Akron-Selle Co., Akron, O.
American Carriage Co. (Light), 1275 Budd, Cincinnati, O.
Auburn Wagon Co., Martinsburg, W. Va.
Banner Buggy Co., 11th & Howard, St. Louis, Mo.
Champion Wagon Co., Owego, N. Y.
Columbia Wagon Co., Columbia, Pa.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Deere John Plow Co., 2204 N B'way, St. Louis, Mo.
Emerson-Brantingham Co., Rockford, Ill.
Florence Wagon Co., Florence, Ala.
Fuller Buggy Co., Jackson, Mich.
Hannibal Wagon Co., Hannibal, Mo.
Hess Carriage Co. Hagerstown, Md.
Hoover Wagon Co., York, Pa.
Houghton-Merkel Co., Marion, O.
Kentucky Wagon Mfg. Co. ("Tennessee," "Old Hickory"), Louisville, Ky.
Koenig & Luhrs Wagon Co., Quincy, Ill.
Kratzer Carriage Co., Des Moines, Ia.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Lion Buggy Co., C H & D R R nr Gest, Cincinnati, O.
Lull Carriage Co., Kalamazoo, Mich.
Martin Carriage Works, York, Pa.
Milburn Wagon Co., Toledo, O.
Moline Plow Co. ("Freeport"), Moline, Ill.
Noyes Carriage Co., Elkhart, Ind.
Parry Mfg. Co., Indianapolis, Ind.
Parsons Wagon Co., Earlville, N. Y.
Paterson W. A. Co., Flint, Mich.
Prouty & Glass Carriage Co., Wayne, Mich.
Rex Buggy Co., Connersville, Ind.
Schurmeier Wagon Co., 9th & Broadway, St. Paul, Minn.
Springfield Wagon Co., Springfield, Mo.
Studebaker Bros. Co. of Cal., 413 Mission, San Francisco, Cal.
Studebaker Corp., South Bend, Ind.
Sweet B. F. & H. L. Co., Fond du Lac, Wis.
Vaughn Mfg. Co., Jefferson, Wis.
Winkler Grimm Corp., South Bend, Ind.
Winona Carriage Co., Winona, Minn.
Woeber Car & Mfg. Co., Denver, Colo.

## 16565— Wagons (Dumping)

See also Carts, Dumping

Acme Road Machinery Co., Frankport, N. Y.
Acme Wagon Co., Emigsville, Pa.
Auburn Wagon Co., Martinsburg, W. Va.
Austin Mfg. Co., 910 S Michigan av, Chicago, Ill.
Bain Wagon Co. ("Bain"), Kenosha, Wis.
Beckert Wm. & Son, 1003 E Ohio, North Side, Pittsburgh, Pa.
Blake J. M. & Son, Buffalo, N. Y.
Columbia Wagon Co. ("Susquehanna" Dump Bottom), Columbia, Pa.
Connellsville Iron Works (Steel Body), Connellsville, Pa.
Eagle Wagon Works, Auburn, N. Y.
Galion Iron Works & Mfg. Co., Galion, O.
Good Roads Machinery Co. ("National"), Kennett Square, Pa.
Hamilton Smithing & Mfg. Co., Hamilton, O.
Henderson Wagon Works, Henderson, Ky.
Hill E. W. (Steel), 24 Pollock av, Jersey City, N. J.
Kentucky Wagon Mfg. Co. ("Old Hickory," "Tennessee"), Louisville, Ky.
Kramer Wagon Co. ("Oil City"), Oil City, Pa.
MacKinnon F. Mfg. Co. ("Steel King" Bottom Dump), Grand Rapids, Wis.
Milburn Wagon Co. ("Greater Pittsburgh"), Toledo, O.
Pekin Wagon Co., Pekin, Ill.
Pioneer Tractor Mfg. Co. (Traction), Winona, Minn.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Russell Grader Mfg. Co., 2005 Univ. av, S. E., Minneapolis, Minn.
Schuttler Peter Co., 2509 W 22d, Chicago, Ill.
Shadbolt Mfg. Co., 68 Flushing av, Brooklyn, N. Y.
Smith & Sons Mfg. Co. ("Royal"), Kansas City, Mo.
Streich A. & Bro. Co., Oshkosh, Wis.
Studebaker Bros. Co. of Cal., 413 Mission, San Francisco, Cal.
Studebaker Corp., South Bend, Ind.
Sweet B. F. & H. L. Co. ("Sweet's" Lumber Dumping), Fond du Lac, Wis.
Tiffin Wagon Co. (Steel Bucket & Bottom Dump), Tiffin, O.
Troy Wagon Works Co. ("Troy" Bottom Dump), 100 E Race, Troy, O.
Watson Wagon Co., Canastota N. Y.
Western Wheeled Scraper Co. ("Aurora"), Aurora, Ill.

## 16566— Wagons (Farm)

### ALABAMA.

FLORENCE—Florence Wagon Co. ("Florence")

### ARKANSAS.

FORT SMITH—Fort Smith Wagon Co. ("Fort Smith")

### CALIFORNIA.

SAN FRANCISCO—Studebaker Bros. Co. of Cal., 413 Mission

### GEORGIA.

AUGUSTA—Lowrey Wagon Works
EAST POINT—White Hickory Wagon Mfg. Co.
MACON—Williams Mfg. Co. (White Hickory)

### ILLINOIS.

ABINGDON—Abingdon Wagon Co. ("Abingdon," "Clinton," "Sterling")
ALBION—Painter & Franklin ("Painter & Frank")
CHICAGO — International Harvester Company of America (Inc.) ("Weber," "Columbus," "Sterling"), Harvester bldg
**PRESS JACOB SONS**, 300 N Halsted
Schuttler Peter Co. ("Schuttler"), 2509 W 22d
MOLINE—Deere John Wagon Works
Moline Plow Co. ("Mandt")
OTTAW—King & Hamilton Co.
PEKIN—Pekin Wagon Co. ("Pekin," "New Ebbert," "New Smith")
QUINCY — **ELECTRIC WHEEL CO.** ("Electric"), Station D.
*See adv index at end of book*
ROCKFORD—Emerson-Brantingham Co. ("Newton," "Overland")
SPRINGFIELD—Fetzer & Co.
Racine-Sattley Co.
STERLING—Bassett E. C.

### INDIANA.

ANDERSON—Rhoads Samuel
CORYDON—Keller Mfg. Co. ("Corydon")
EVANSVILLE — Karges Wagon Co. ("Karges")
HUNTINGBURG — Huntingburg Wagon Works ("Huntingburg")
JEFFERSONVILLE — Holzbog G. H. & Bro.
LAFAYETTE—Indiana Wagon Co. ("Indiana," "O'Brien")
SOUTH BEND—Birdsell Mfg. Co. ("Birdsell")
Studebaker Corp. ("Studebaker")

### IOWA.

DAVENPORT—Davenport Wagon Co.
DUBUQUE—Cooper A. A. Wagon & Buggy Co. ("Columbus," "Cooper")
FAIRFIELD—Turney Joel & Co. ("Charter Oak")
KENOSHA—Bain Wagon Co. ("Bain")
PELLA—Buerkens Mfg. Co. ("Buerkens")

### KENTUCKY.

HENDERSON—Henderson Wagon Works
HICKMAN—Hickman Wagon Co.
HOPKINSVILLE—Mogul Wagon Co.
LOUISVILLE—Brinly Hardy Co.
Kentucky Wagon Mfg. Co. ("Old Hickory," "Tennessee," "Kentucky")
OWENSBORO—Owensboro Wagon Co.

### MARYLAND.

HAGERSTOWN—Hess Carriage Co.

### MICHIGAN.

GRAND RAPIDS—Belknap Wagon Co.
HOLLY—Patterson Mfg. Co. ("Holly," "P B")
MOUNT CLEMENS—Donaldson Bros.

### MINNESOTA.

LAKE CITY—Neal, Johns & Co. ("Lake City")
MINNEAPOLIS—Keller Mfg. Co. ("Keller"), 1325 N E Quincy
Lenhart Wagon Co. ("Lenhart"), 2600 University av S E
ST. PAUL—Anderson Co., 2324 University av
WINONA—Winona Wagon Co. ("Rushford," "Winona," "Minnesota")

### MISSISSIPPI.

DURANT—Love Wagon Co.
LAUREL—Lindsey Wagon Co. ("Lindsey")

### MISSOURI.

EDINA—Miller Wagon Co. ("Miller")
FARMINGTON—Lang & Bro. Mfg. & Merc. Co. ("Lang")
HANNIBAL—Hannibal Wagon Co.
KANSAS CITY — Beggs Wagon Co. ("Beggs")
ST. LOUIS—Gestring Wagon Co., 1718 N B'way
Linstroth Wagon Co. ("Linstroth," "Pride of St. Louis"), 2616 Chouteau av
Luedingnaus-Espenschied Wagon Co. ("Luedinghaus"), 1717 N B'way
Weber & Damme Wagon Co., 1619 N B'way
SPRINGFIELD—Springfield Wagon Co.

### NEBRASKA.

OMAHA—Stroud & Co. ("Stroud")

### NEW YORK.

HOLLAND—Tanner D. F.
HOOSICK FALLS—Wood Walter A. Mowing & Reaping Machine Co.
MORAVIA—Cady Geo. S. & Son ("Walker")
OLEAN—New Conklin Wagon Co.
OWEGO—Champion Wagon Co. ("Owego")

### NORTH CAROLINA.

HICKORY—Piedmont Wagon & Mfg. Co.
WILSON—Hackney Wagon Co. ("Hickory")
WINSTON-SALEM—Nissen Geo. E. & Co.

OHIO.

CINCINNATI—Bode Wagon Co. ("Bode") 1655 Central av
DEFIANCE—Turnbull Wagon Co. ("Turnbull")
MARIETTA—Ohio Valley Wagon Co. ("Marietta")
TIFFIN—Tiffin Wagon Co. ("Tiffin")
TOLEDO—Milburn Wagon Co. ("Milburn")
TROY—Troy Wagon Works Co. ("Troy"), 100 East Race
ZANESVILLE—Brown Mfg. Co. ("Brown")

PENNSYLVANIA.

BROOKVILLE — Brookville Mfg. Co. ("Brookville")
COLUMBIA—Columbia Wagon Co. ("Columbian," "Ell")
ELIZABETHVILLE—Swab Wagon Co.
EMIGSVILLE—Acme Wagon Co. ("Little Gem," "Acme")
OIL CITY—Kramer Wagon Co. ("Kramer," "Oil City")

TENNESSEE.

CHATTANOOGA—Chattanooga Wagon Co. ("Chattanooga")
MEMPHIS—James & Graham Wagon Co. ("James & Graham")

TEXAS.

BRENHAM—Schuerenberg F. W. ("Schuerenberg")

VIRGINIA.

LYNCHBURG — Thornhill Wagon Co. ("Thornhill")
MARION—Look & Lincoln ("Look & Lincoln")
SOUTH BOSTON—Virginia Wagon Co.

WEST VIRGINIA.

MARTINSBURG—Auburn Wagon Co. ("Auburn," "New South")

WISCONSIN.

FOND DU LAC—Sweet B. F. & H. L. Co.
FORT ATKINSON—Northwestern Mfg. Co. ("Northwestern")
GRAND RAPIDS—MacKinnon F. Mfg. Co.
JEFFERSON—Vaughn Mfg. Co. ("Jefferson")
KENOSHA—Bain Wagon Co. ("Bain")
LA CROSSE—Smith Mfg. Co. ("La Crosse," "Smith," "Pioneer")
OSHKOSH—Streich A. & Bro. Co. ("Streich")
RANDOLPH—Randolph Wagon Works
STOUGHTON—Mandt Wagon Co. ("Mandt," "Crescent")
Stoughton Wagon Co. ("New Stoughton")

## 16567—*Wagons (Farm, Electric)

**ELECTRIC WHEEL CO.,** Station D, Quincy, Ill. *See adv index at end of book*

## 16568—Wagons (Freight, Teaming, Etc.)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Akron-Selle Co., Akron, O.
Auburn Wagon Co., Martinsburg, W. Va.
Bain Wagon Co. (Heavy), Kenosha, Wis.
International Harvester Company of America (Inc.) (Weber), Harvester bldg, Chicago, Ill.
Knapheide Henry Wagon Co., Quincy, Ill.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
MacKinnon F. Mfg. Co., Grand Rapids, Wis.
Menasha Wood Split Pulley Co. ("Lawson"), Menasha, Wis.
Milburn Wagon Co., Toledo, O.
Owensboro Wagon Co., Owensboro, Ky.
Pekin Wagon Co., Pekin, Ill.
Racine-Sattley Co., Springfield, Ill.
Schuttler Peter Co., 2509 W 22d, Chicago, Ill.
Streich A. & Bro. Co., Oshkosh, Wis.
Stroud & Co., Omaha, Neb.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.
Troy Wagon Works Co. ("Troy"), 100 East Race, Troy, O.
White Hickory Wagon Mfg. Co., East Point, Ga.
Winona Wagon Co., Winona, Minn.
Woeber Car & Mfg. Co., Denver, Colo.

## 16569— Wagons (Fruit)

Acme Wagon Co., Emigsville, Pa.
MacKinnon F. Mfg. Co., Grand Rapids, Wis.
Milburn Wagon Co., Toledo, O.

## 16570— Wagons (Garbage)

Blake J. M. & Son, Buffalo, N. Y.
Columbia Wagon Co., Columbia, Pa.
Eagle Wagon Works ("Glen"), Auburn, N. Y.
Holzbog G. H. & Bro. (Odorless, all Steel), Jeffersonville, Ind.
Lee Loader & Body Co., 2343 So La Salle, Chicago, Ill.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Shadbolt Mfg. Co. (Dumping), 68 Flushing av, Brooklyn, N. Y.
Streich A. & Bro. Co., Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co. (Steel Bucket Dumping Cart), Tiffin, O.
Troy Wagon Works Co. ("Troy"), 100 East Race, Troy, O.
Watson Wagon Co., Canastota, N. Y.

## 16571— Wagons (Goat)

Sheboygan Coaster & Wagon Works (Buckboard), Sheboygan, Wis.
White Hickory Wagon Mfg. Co., East Point, Ga.

## 16572— Wagons (Grading)

Eagle Wagon Works ("Glen"), Auburn, N. Y.
Watson Wagon Co., Canastota, N. Y.

## 16573— Wagons (Hardware)

Milburn Wagon Co., Toledo, O.
Studebaker Corp., South Bend, Ind.

## 16573a—*Wagons (Heavy Freighting)

**ELECTRIC WHEEL CO.,** Station D, Quincy, Ill. *See adv index at end of book*

## 16574— Wagons (Hose)

See also Fire Engines, Motor

Pirsch Peter & Co. (Combination), Kenosha, Wis.
Seagrave Co., Columbus, O.
Stewart A. F., Rochester, N. Y.

## 16575— Wagons (Ice)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Akron-Selle Co., Akron, O.
Hess Carriage Co., Hagerstown, Md.
Koening & Luhrs Wagon Co., Quincy, Ill.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Martin Carriage Works, York, Pa.
Milburn Wagon Co., Toledo, O.
Owensboro Wagon Co., Owensboro, Ky.
Streich A. & Bro. Co., Oshkosh, Wis.
Studebaker Corp., South Bend, Ind.
Winkler Grimm Corp., South Bend, Ind.

## 16576—Wagons (Larry Coke)

Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Niles Mine & Mill Supply Co., Cleveland, O.
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.

## 16577— Wagons (Laundry)

Akron-Selle Co., Akron, O.
Armleder O. Co., 12th & Plum, Cincinnati, Ohio
Koening & Luhrs Wagon Co., Quincy, Ill.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Milburn Wagon Co., Toledo, O.
Woeber Car & Mfg. Co., Denver, Colo.

## 16578— Wagons (Logging)

Chattanooga Wagon Co., Chattanooga, Tenn.
**ELECTRIC WHEEL CO.,** Station D, Quincy, Ill. *See adv index at end of book*
Florence Wagon Co., Florence, Ala.
Fort Smith Wagon Co., Ft. Smith, Ark.
**HEMMING WAGON CO.,** Meridian, Miss
*See adv index at end of book*
International Harvester Company of America (Inc.), ("Weber"), Harvester bldg, Chicago, Ill.
Knapheide Henry Wagon Co., Quincy, Ill.
Laurel, Miss.
Lindsey Wagon Co. (Eight Wheels, etc),
Luedinghous-Espenschied Wagon Co., 1717 N B'way, St. Louis, Mo.
Milburn Wagon Co., Toledo, O.
Mississippi Valley Mfg. Co., Quincy, Ill.
Nissen Geo. E. & Co., Wiston-Salem, N. C.
Owensboro Wagon Co., Owensboro, Ky.
Phoenix Mfg. Co., Eau Claire, Wis.
Schuttler Peter Co. 2509 W 22d, Chicago, Ill.
Schwartz Jos. Co., Ltd., 548 Baronne, New Orleans, La.
Springfield Wagon Co. ("Springfield"), Springfield, Mo.
Stroud & Co. ("Stroud"), Omaha, Neb.


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WAGONS (LOGGING)—continued
Studebaker Corp., South Bend, Ind.
Tiffin Wagon Co., Tiffin, O.
Troy Wagon Works Co. ("Troy"), 100 E Race, Troy, O.
White Hickory Wagon Mfg. Co., East Point, Ga.

## 16579— Wagons (Lumber)

Blake J. M. & Son, Buffalo, N. Y.
Florence Wagon Co., Florence, Ala.
Fort Smith Wagon Co., Fort Smith, Ark.
**HEMMING WAGON CO.**, Meridian, Miss.
*See adv index at end of book*
**Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.**
Lindsey Wagon Co., Laurel, Miss.
Michigan Truck & Lumber Co., Holly, Mich.
Milburn Wagon Co., Toledo, O.
Pekin Wagon Co., Pekin, Ill.
Streich A. & Bro. Co. (Also Roll-Off Lumber Wagons), Oshkosh, Wis.
Stroud & Co. ("Stroud"), Omaha, Neb.
Sweet B. F. & H. L. Co. ("Sweet's" Patent Dumping), Fond du Lac, Wis.
White Hickory Wagon Mfg. Co., East Point, Ga.

## 16580— Wagons (Lunch)

**Alliance Mfg. Co., Streator, Ill.**
Hennigan J. G. E., Worcester, Mass.
Tierney P. J. Sons, New Rochelle, N. Y.
O'Mahony Jerry, Inc., 70 Boulevard, Bayonne, N. J.
Winkler-Grimm Corp., South Bend, Ind.

## 16581— Wagons (Meter, Motor Driven)

General Vehicle Co. ("G-V" Electric), Long Island City, N. Y.

## 16582— Wagons (Milk)

**Abresch Chas. Co., 398 4th, Milwaukee, Wis.**
Burg L. Carriage Co., Dallas City, Ill.
Cooper A. A. Wagon & Buggy Co. (Low Down), Dubuque, Ia.
**Hess Carriage Co., Hagerstown, Md.**
Hoover Wagon Co., York, Pa.
Martin Carriage Works (Also Low Down), York, Pa.
Milburn Wagon Co., Toledo, O.
Moline Plow Co., Moline, Ill.
Northwestern Mfg. Co., Fort Atkinson, Wis.
Parsons Wagon Co. (Low Down), Earlville, N. Y.
Stoughton Wagon Co., Stoughton, Wis.
Studebaker Corp'n (Also Low Down), South Bend, Ind.
Vaughn Mfg. Co., Jefferson, Wis.
Winkler Grimm Corp., South Bend, Ind.

## 16583— Wagons (Mountain)

Bain Wagon Co., Kenosha, Wis.
Cooper A. A. Wagon & Buggy Co., Dubuque, Iowa
Deere John Plow Co., 2204 N B'way, St. Louis, Mo.
Deere John Wagon Works (Also One Horse), Moline, Ill.
Emerson-Brantingham Co. ("Newton"), Rockford, Ill.
Moline Plow Co., ("Mandt"), Moline, Ill.
Moon Jos. W. Buggy Co., Main & Douglass, St. Louis, Mo.
Staver Carriage Co., 76th & Wallace, Chicago, Ill.
Studebaker Corp., South Bend, Ind.
Velie Carriage Co., Moline, Ill.
Winona Carriage Co., Winona, Minn.

## 16584—Wagons (Oil & Pipe)

Abresch Chas. Co., 398 4th av, Milwaukee, Wis.
International Harvester Company of America (Inc.), ("Weber"), Harvester bldg, Chicago, Ill.
Kramer Wagon Co. (Oil), Oil City, Pa.

## 16585—Wagons (Ore, Coal & Mining)

Akron Cultivator Co. (Steel), Akron, O.
Connelsville Machine & Car Supply Co. (Pit), Connelsville, Pa.
Honhorst Joseph Co. (Coal), 1016 W 6th, Cincinnati, O.
Milburn Wagon Co., Toledo, O.
**Schuttler Peter Co. 2509 W 22d, Chicago, Ill.**



Studebaker Corp., South Bend, Ind.
Turl Iron & Car Co., Inc., The, 50 Broad, New York. Works: Newburgh, N. Y.

## 16586— Wagons (Police & Fire Patrol)

Abresch Chas. Co., 398 4th, Milwaukee, Wis.
Fulton & Walker Co., 20th & Filbert, Phila., Pa.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
Stewart A. F., Rochester, N. Y.

## 16587— Wagons (Pump, Motor Driven)

General Vehicle Co. ("G. V." Electric), Long Island City, N. Y.

## Wagons (Road Oiling)

See Road Oilers or Distributers

## 16588—Wagons (Rural Mail)

Burg L. Carriage Co., Dallas City, Ill.
Butler Co., Butler, Ind.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Deere Jno. Plow Co., 2204 N B'way, St. Louis, Mo.
Lewis & Neville Mfg. Co., Goshen, Ind.
Martin Carriage Works, York, Pa.
Milburn Wagon Co., Toledo, O.
Studebaker Corp., South Bend, Ind.

## Wagons (Scavenger)

See Wagons, Garbage

## 16589— Wagons (School)

Lewis & Neville Mfg. Co., Goshen, Ind.
Parry Mfg. Co., Indianapolis, Ind.

## 16590—Wagons (Self-Dumping)

Blake J. M. & Son, Buffalo, N. Y.
Watson Wagon Co., Canastota, N. Y.

## 16591—Wagons (Spreading & Haulage, Reversible)

Blake J. M. & Son, Buffalo, N. Y.
Buffalo-Pitts Co., Buffalo, N. Y.
Troy Wagon Works Co. (For Road Building), 100 E Race, Troy, Ohio
Universal Road Machinery Co., Kingston, N. Y.

## 16592— Wagons (Spring)

Acme Wagon Co., Emigsville, Pa.
Ames-Dean Carriage Co., Jackson, Mich.
Auburn Wagon Co., Martinsburg, W. Va.
Banner Buggy Co., 11th & Howard, St. Louis, Mo.
Brown Carriage Co., 1630 Gest, Cincinnati, Ohio
Burg L. Carriage Co., Dallas City, Ill.
Burlington Buggy Co., Burlington, Ia.
Columbia Wagon Co., Columbia, Pa.
Cooper A. A. Wagon & Buggy Co., Dubuque, Ia.
Defiance Carriage Co., Defiance, O.
Delker Bros. Buggy Co., Henderson, Ky.
Eckhart Carriage Co., Auburn, Ind.
Emerson-Brantingham Co. ("E. B."), Rockford, Ill.
Enger Frank J. Marion & Dalton av, Avon, Cincinnati, O.
Eureka Co., Rock Falls, Ill.
Fuller Buggy Co., Jackson, Mich.
Gay S. C. Co., Ottawa, Ill.
Kratzer Carriage Co., Des Moines, Ia.
Lull Carriage Co., Kalamazoo, Mich.
Luth Carriage Co., 1275 Budd, Cincinnati, Ohio
McFarlan Motor Co., Connersville, Ind.
Manley John D. Carriage Co., 1319 N 9th, St. Louis, Mo.
Martin Carriage Works, York, Pa.
Milburn Wagon Co., Toledo, O.
Miller Wagon Co., Edina, Mo.
Moline Plow Co. ("Henney"), Moline, Ill.
Moon Bros. Carriage Co., Gano & McKissock, St. Louis, Mo.
Moon Jos. W. Buggy Co., Main & Douglass, St. Louis, Mo.
Northwestern Mfg. Co., Fort Atkinson, Wis.
Noyes Carriage Co., Elkhart, Ind.
Parry Mfg. Co., Indianapolis, Ind.
Paterson W. A. Co., Flint, Mich.
Phoenix Carriage Co., 901 Evans, Cincinnati, O.
Prouty & Glass Carriage Co., Wayne, Mich.
Reliance Buggy Co., St. Louis, Mo.
Rex Buggy Co., Connersville, Ind.
Sechler D. M. Implement & Carriage Co., Moline, Ill.
Staver Carriage Co., 76th & Wallace, Chicago, Ill.
Stoughton Wagon Co., Stoughton, Wis.
Studebaker Corp'n, South Bend, Ind.
Swab Wagon Co., Elizabethville, Pa.
Tanner D. F., Holland, N. Y.
Trailmobile Co., 5th & Culvert, Cincinnati, Ohio
Velie Carriage Co., Moline, Ill.
Wayne Works, Richmond, Ind.
Winona Carriage Co., Winona, Minn.

## 16593— Wagons (Stave)

**Strait H. N. Mfg. Co., Kansas City, Mo.**

## 16594— Wagons (Steel)

Blake J. M. & Son, Buffalo, N. Y.
**ELECTRIC WHEEL CO.**, Station D, Quincy, Ill. *See adv index at end of book*
International Harvester Co. of America (Inc.), ("Weber"), Harvester bldg, Chicago, Ill.
Litchfield Mfg. Co., Waterloo, Ia.
MacKinnon F. Mfg. Co. ("Steel King" Bottom Dump), Grand Rapids, Wis.
Shunk Plow Co. (Farm Wagons), Bucyrus, Ohio

## 16595— Wagons (Stone)

**Blake J. M. & Son, Buffalo, N. Y.**

## Wagons (Stone Spreading)

See Wagons, Spreading & Reversible

## 16596— Wagons (Sugar)

Blymyer Iron Works Co., Cincinnati, O.
**ELECTRIC WHEEL CO.** (Also Sugar Cane Carts), Station D, Quincy, Ill.
*See adv index at end of book*

## 16597— Wagons (Tank)

Bollwerk H. & Bro. (Round & Square Tank), St. Louis, Mo.
Columbian Steel Tank Co. (Oil Delivery), New England bldg, Kansas City, Mo.
Littleford Bros., 444 E Pearl, Cincinnati, O.

## 16598— Wagons (Tea)

Bailie Basket Co., 82 Sudbury, Boston, Mass.
Haberkorn C. H. & Co., 393 W Elizabeth, Detroit, Mich.
Hand Made Furniture Shop, 426 Armour, Chicago, Ill.
**Martin Carriage Works, York, Pa.**
Mutual Mfg. Co., Dayton, O.
Orinoco Furniture Co., Columbus, Ind.
Rattan Mfg. Co., Reed, New Haven, Conn.
Schloss E. & Co., Grand & E River, New York
Western Fibre Reed Co., Chicago, Ill.

## 16599— Wagons (Tower)

Chase Motor Truck Co. ("Chase," Gasoline), Syracuse, N. Y.
General Motors Truck Co., Pontiac, Mich.
General Vehicle Co. ("G-V" Electric), Long Island City, N. Y.
Leonhardt Wagon Mfg. Co. (Revolving), 417 E Saratoga, Baltimore, Md.
McCardell & Co., Trenton, N. J.
Milburn Wagon Co., Toledo, O.

## 16600— Wagons (Trolley)

Briggs Carriage Co., Amesbury, Mass.
Leonhardt Wagon Mfg. Co., 417 E Saratoga, Baltimore, Md.
McCardell J. R. & Co. ("Trenton"), Trenton, N. J.
Milburn Wagon Co., Toledo, O.

## Wagons (Trolley Line Repair, Etc.)

See Wagons, Tower

## 16601-2—Wagons (Turpentine)

White Hickory Wagon Mfg. Co., East Point, Ga.

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## 16603—Wagons (Wire Nail)

Howe Scale Co., Rutland, Vt.

## 16603a— Wainscoting

Art Metal Construction Co. (Steel), Jamestown, N. Y. *See adv index at end of book*
Vitrolite Co., Chamber of Commerce bldg, Chicago, Ill. *See adv index at end of book*

## 16604— Walkers (Baby)

Baker J. R. & Sons Co., Kendallville, Ind.
Glascock Bros. Mfg. Co, Muncie, Ind.
Steinfeld Bros., 116 W 22d, New York
Tothill W. S., 1315 Webster av, Chicago, Ill.
Uhlen Carriage Co., Rochester, N. Y.

## 16605— Wall Boards

See also Plaster Boards, Slabs, etc.

Beaver Co., 956 Beaver rd, Buffalo, N. Y.
Bird & Son ("Neponset"), East Walpole, Mass.
Bishopric Mfg. Co. ("Bishopric," Stucco or Plaster Boards), 1453 Este av, Cincinnati, O.
Black Rock Wallboard Co., Black Rock, N. Y.
Carey Philip Mfg. Co. ("Ceil-Board"), 330 Wayne av, Lockland, Cincinnati, O.
Compo-Board Co. ("Compo-Board"), 44th & Lyndale avs, Minneapolis, Minn.
Cornell Wood Products Co. ("Cornell" Wood), 190 N State, Chicago, Ill.
**EDWARDS MFG. CO. 545-565 Eggleston av, Cincinnati, O.**
*See adv index at end of book*
Garden City Sand Co., Chamber of Comm. bldg, Chicago, Ill.
Heppes-Nelson Roofing Co. ("Utility" Fibrous, Waterproof), 4500 Fillmore, Chicago Ill.
Hoff Magnesite Co. ("Hoffite Asbestos"), Monadnock bldg, San Francisco, Cal.
Kramig R. E. & Co., 8th & Eggleston av, Cincinnati, O.
Lampson Lumber Co., New Haven, Conn.
MacAndrews & Forbes Co. ("Fibertic"), 200 5th av, New York
Mueller Lumber Co., Davenport, Ia.
Pantasote Co. ("Homasote"), 11 Broadway, New York
Paraffine Companies Inc., San Francisco, Cal. *See adv index at end of book*
Plastergon Wall Board Co. (Treated Wood Fibre), 196 Philadelphia av, Buffalo, N. Y.
Roberds Mfg. Co., Marion, Ind.
Rockford Paper Box Board Co., Rockford, Ill.
Rubens Paint & Glass Co., Inc., Richmond, Va.
Sackett Plaster Board Co. ("Sackett's"), 1170 B'way, New York
United States Gypsum Co. ("Sheetrock," "Adamant"), 205 W. Monroe, Chicago, Ill.
**UPSON CO.** ("Upson Processed"), Lockport, N. Y. *See adv index at end of book*
Western Builders' Supply Co., 135 2d, San Francisco, Cal.
Wright-Barrett & Stilwell Co. ("Wright's" Indestructible), N E cor University & Hampden avs, St. Paul, Minn.

## Wall Burlaps & Canvas

See Wall Coverings

## Wall Coping Mfrs.

See Pipe, Sewer; also Terra Cotta, Architectural

## 16606— Wall Coverings

**Beck Fr. & Co. ("Lincrusta Walton"), 281 5th av, New York**
Chase L. C. & Co. ("Chase Leatherwove" Leather Substitute), 89 Franklin, Boston, Mass. *See adv index at end of book*
Cott-a-lap Co., Somerville, N. J.
Embossed Wall Covering Co. ("Unitas" Tiling), 880 N 48th, Phila., Pa.
Fiberlic Co., Camden, N. J.
Grimond J. & A. D., Ltd. (H. N. Gildea, Agent) (Burlaps), 320 B'way, New York
Lloyd W. H. S. Co. (Mostly Foreign), 105 W 40th, New York
Patton Paint Co. ("Alba Lux" White Light), Milwaukee, Wis.
Richter Mfg. Co. ("Tapestrolea" Burlaps & Canvas), Tenafly, N. J.
Standard Oil Cloth Co. ("Sanitas" Washable), 320 B'way, New York
Wiggins H. B. Sons Co. ("Fab-Ri-Ko-Na"), Bloomfield, N. J.

## 16607— Wall Finish

**Adams & Elting Co. ("Naples Velvet Finish" Washable), 726 Washington blvd, Chicago, Ill.**
Alabastine Co. ("Alabastine"), Grand Rapids, Mich.
American Soapstone Finish Co. (Soapstone), Chester Depot, Vt.
Anti-Kalsomine Co. ("Gypsine"), Grand Rapids, Mich.
Arlington Mfg. Co. ("Richtone," "More-Lyte"), Canton, Ohio
Boydell Bros. White Lead & Color Co. ("Washable," for Walls, Radiators, Ceilings, Wood, Metal, etc), 40 E Lafayette, Detroit Mich.
Cardiff Gypsum Plaster Co. ("Kalloite"), Fort Dodge, Iowa
**FOX M. EWING CO.** ("Muralite" & "Calcitine"), 241 E 136th New York
*See advt. under Paint Mfrs. & index at end of book*
Hockaday Co., 1831 Carroll, Chicago, Ill.
Keystone Plaster Co. (Hard White & Sand Finish), Chester, Pa.
Lawrence W. W. & Co. ("Law-Re-Mo" Cold Water & Dresden Flat Finish), W Carson, Pittsburgh, Pa.
Manhattan Color Works ("Fres-Ko-Kote"), 1035 Kelly, New York
Moore Benjamin & Co. ("Muresco"), 231 Front, Brooklyn, N Y.
Muralo Company ("Calcino"), Richmond Terrace, New Brighton, Boro. of Richmond, N. Y.
National Mortar & Supply Co., 2d Nat'l Bank bldg, Pittsburgh, Pa.
O'Brien Varnish Co. ("Liquid Velvet"), South Bend, Ind.
Ohio & Western Lime Co. ("Lion" Brand Rock Wall Finish), Huntington, Ind.
Patton Paint Co., Milwaukee, Wis.
Pierce F. O. Co. ("Sancota," "Pieresco"), 10 E. 43d, New York
St. Paul White Lead & Oil Co. ("Lion"), Water & Starkey, St. Paul, Minn.
Standard Varnish Works ("Flattine"), 90 West, New York
Tropical Paint & Oil Co. ("Tocotone," "Toconamel"), W 70th, Cleveland, O.
Troy Cold Water Kalsomine Co., Troy, N. Y.
United States Gypsum Co. ("Adamant," "Imperial," "Ivory," "Granite," "Rock," "Alabaster," "Universal," "Silico"), 205 W Monroe, Chicago, Ill.
Wasem Plaster Co. ("Monarch"), Ft. Dodge, Ia.
Woodville Lime Products Co. (White Enamel, White Lily Finish and Gold Medal Finish), 622 Madison av, Toledo, Ohio
Yarnall Paint Co. ("Marbloid," Washable), 1026 Race, Phila., Pa.

## 16608— Wall Finish (Imitation Stone)

**United States Gypsum Co. (Caen Stone), 205 W Monroe, Chicago, Ill.**

## 16609—Wall Paper (Fire-Proof)

Ehret Magnesia Mfg. Co., Land Title bldg, Phila., Pa. Works: Valley Forge, Pa.

## 16610— Wall Paper Mfrs.

Allen Higgins Wall Paper Co. ("Vogue"), Worcester, Mass.
Art Wall Paper Mills, 2414 W 21st, Chicago, Ill.
Audebert Wall Paper Mill, 1807 Foster av, Chicago, Ill.
Baeck Wall Paper Co., 233 37th, Brooklyn, N. Y.
**Bailey Wall Paper Co., 1915 W 96th, Cleveland, O.**
Barnes Rudolph & Co., York, Pa.
Becker, Smith & Page, (Inc.), Snyder av & Water, Phila., Pa.
Birge M. H. & Sons Co., Buffalo, N. Y.
Bosch Henry Co., 485 5th av, New York
Campbell Wm. Wall Paper Co., Hackensack, N. J.
Carey Bros. Wall Paper Mfg. Co., 1023 Filbert, Phila., Pa.
Chicago Wall Paper Mill, Steubenville, O.
Cott-a-lap Co., Somerville, N. J.
Gilbert Wall Paper Co., York, Pa.
Gledhill Wall Paper Co., 541 W 34th, New York
Graves Robert Co., 169 Madison av, New York
Hamilton Wall Paper Co., Wayside av, Jersey City, N. J.
Hobbs Robt. Wall Paper Co., Hackensack, N. J.
Imperial Wall Paper Co., Glens Falls, N. Y.
Janeway & Carpenter, New Brunswick, N. J.
Joliet Wall Paper Mills, Joliet, Ill.
Kayser & Allman, 1522 Chestnut, Phila., Pa.
Lloyd W. H. S. Co. (Imp. & Jobbers), 105 W 40th, New York
Mairs W. H. & Co., 68 Sackett, B'klyn, N. Y.
Peats Alfred Co., 2132 B'way, New York

WALL PAPER MFRS.—continued
**Pittsburgh Wall Paper Co., New Brighton, Pa.**
Plattsburg Wall Paper Co, Plattsburg, N. Y.
Quaker City Wall Paper Co., E Thompson & E Westmoreland, Phila., Pa.
Rose Richard, Beverly, N. J.
**Sears, Roebuck & Co. (Wall Paper Mill), 1020 S Spaulding av, Chicago, Ill.**
Standard Wall Paper Co., Hudson Falls, N. Y.
**Star-Peerless Wall Paper Mills, Joliet, Ill.**
Strahan Thos. Co., Chelsea, Mass.
Sun Wall Paper Mfg. Co., Reading, Pa.
Thibaut Richard E. (Job), 153 Madison av, New York
Thomas Jacob Co., Newark, Del.
Vornhold Wall Paper Co., Kennedy & Garden, Phila., Pa.
Wallace Wall Paper Co., Cortland, N. Y.
York Card & Paper Co., York, Pa.
York Wall Paper Co., York, Pa.

## 16611—Wallets (Bank Messengers')

Bates Bros. Co., Athol, Mass.
Boston Pocket Book Co., 169 Massachusetts av, Boston, Mass.

## 16612— *Wands (Calisthenic)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***

## 16612a—Wardrobes (Clothing)

Evans W. L. (Vanishing Doors), Washington, Ind.
Grand Rapids Show Case Co. ("New Way Crystal" Wood), Grand Rapids, Mich.
Hart & Hutchinson Co. ("H. & H." Steel), New Britain, Conn.
Himmel M. L. & Son ("Brilliant Ideal"), 113 Gay, Baltimore, Md.

## 16613— Wardrobes (Office)

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
**DAHLSTROM METALLIC DOOR CO.,** (Artistically finished, Rodent, & Fireproof), 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Dexter Metal Mfg. Co. (Steel), 93 Arch, **Camden, N. J.**
Fox Electrical Corpn., 119 W. 42d, New York
Hart & Hutchinson Co. ("H. & H." Steel), New Britain, Conn.
Sargent Mfg. Co., **Muskegon, Mich.**

## 16614— Wardrobes (Steel, Fireproof)

Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
**DAHLSTROM METALLIC DOOR CO.,** 413 Buffalo, Jamestown, N. Y.
*See adv index at end of book*
Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.

## 16615— Wardrobes (Ventilated, School & Hotel)

See also Lockers, Metallic

Dexter Metal Mfg. Co. (Steel), 93 Arch, Camden, N. J.
**Grant Pulley & Hardware Co., 101 Park av,** New York
Hart & Hutchinson Co. ("H. & H."), New Britain, Conn.
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Terrell's Equipment Co., Grand Rapids, Mich.
Wilson J. G. Corp'n, **The Chief Office: 8 W 40th, New York. Mills and Factory, Norfolk, Va.**
*See adv index at end of book*

## 16615a— Warehouse Trucks

See also Trucks (Warehouse)

**Lakewood Engineering Co., Cleveland, O.**
*See adv index at end of book*
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*

Sterling Wheelbarrow Co. ("Sterling" Special), Milwaukee, Wis.

## 16616—Warmers (Milk, Electric)

**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
***See adv index at end of book***

## 16617—Warmers (Plate, for Hotels, Etc.)

Hutchinson Bros., 5 So Howard, Baltimore, Md.
Prometheus Electric Co. (Electric), 511 W 42d, New York
Sexton S. B. Stove & Mfg. Co. (Gas), 500 Block W Conway, Baltimore, Md.

## 16617a— *Wash Trays

Stanley Works, New Britain, Conn.
***See adv index at end of book***

## Wash Trays (Porcelain)

See Bath Tubs, Porcelain

## 16618— Washboard Mfrs.

Ashboro Wheelbarrow Co., Ashboro, N. C.
Ault Wooden Ware Co., Cincinnati, O.
Austell Swing & Ladder Co., Austell, Ga.
Burdett Mfg. Co., Kansas City, Mo.
Carolina Washboard Co., Raleigh, N. C.
Cupples Sam'l Woodenware Co., 7th & Spruce, St. Louis, Mo.
Goldstein Jos. (Est. of), 323 Pearl, New York
Haysler Mfg. Co. (Solid Metal Galvanized Iron), Clinton, Mo.
**Highland Glass Co. (Glass), Washington, Pa.**
Ideal Sad-Iron Mfg. Co., 211 High, Cleveland, O.
Lawn John A. ("Easy-Lask"), Lewistown, Pa.
Manhattan Washboard Co. (Glass, Zinc, Coated Steel & Galvanized), 323 Pearl, New York
Marietta Mfg. Co. (Glass), Indianapolis, Ind.
Mississippi Glass Co. (Glass), 220 5th av, New York
National Washboard Co. ("Northern Queen," "Brass King," "Town Talk," "Red Cross," "Peerless," "Dawn Protector," "Red Star," "Reliable Metal," "Glass King," "White Hen" Glass), 72 W Adams, Chicago, Ill.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
Wabash Screen Door Co., 72 W Adams, Chicago, Ill.
Wayne Mfg. Co. ("Wayne"), 124 Sidney, St. Louis, Mo.

## 16619—Washbowls (Sanitary)

Gaylord Sanitary Mfg. Co. (For Factory), El Dorado, Kans.
General Ceramics Co. ("Phoenix" Porcelain), 50 Church, New York
Maddock's Thos. Sons Co., Trenton, N. J.
Manufacturing Equipment & Engineering Co. ("Meeco" Enameled, Galvanized or Plain Iron for Factories), Framingham, Mass.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.

## 16619a—Washer-Scalders (Tomato & Fruit)

**JEFFREY MFG. CO., 961 N 4th, Columbus, O.** ***See adv index at end of book***

## 16619b— Washers (Acid)

Devine J. P. Co., Buffalo, N. Y
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Lummus Walter E. Co, 171 Milk, Boston, Mass.
Stevens Bros., 85 Liberty, New York

## 16620— Washers (Air)

Am. Spray Co., 26 Cortland, New York
Badger E. B. & Sons Co., 75a Pitts, Boston, Mass. *See adv index at end of book*
Bentz Harry Engineering Co., Inc., 90 West, New York
Bicalky Fan Co. ("Bicalky"), Buffalo, N. Y.
Braemer Air Conditioning Corp., Lafayette bldg., Phila, Pa.
Brawley T. R. (Pump), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Carrier Engg. Corpn., 39 Cortlandt, New York
**HERSH & BROS.,** Allentown, Pa.
*See adv index at end of book*
Iroquois Engineering Co. ("Acme"), 342 S Dearborn, Chicago, Ill.
MacLeod Co., 2227 Bogen, Cincinnati, O.
*See adv index at end of book*
Mass Blower Co. (For Purifying & Humidifying the Air), Watertown, Mass.
Narowetz Heating & Ventg. Co. ("Little Niagara"), 225 W Lake, Chicago, Ill.
New York Blower Co. ("Peerless"), Archer av & Canal, Chicago, Ill.
**SPRAY ENGINEERING CO.** (& Coolers), 93 Federal, Boston, Mass.
*See adv index at end of book*

"SPRACO"
Air Washers and Coolers Equipped with Spraco Center Jet Nozzles.
SPRAY ENGINEERING CO.
93 Federal St., BOSTON, MASS.


Sturtevant B. F. Co. ("Sturtevant"), 18 Damon, Hyde Park, Boston, Mass.
Webster Warren & Co., Camden, N. J.
Zellweger J. & Sons, St. Louis, Mo.

## 16621—Washers (Air Brake)

Boston Belting Corp., 84 Linden Park, Boston, Mass.
Brawley T. R., 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
Bound Brook Oil-Less Bearing Co. ("Bound Brook," "Nigrum" Oilless), Bound Brook, N. J.
Combination Rubber Mfg. Co., Bloomfield, N. J.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
Pennsylvania Rubber Co., Jeannette, Pa.
Schacht Rubber Mfg. Co., Huntington, Ind.
**WESTINGHOUSE AIR BRAKE CO.,** Pittsburgh, Pa.

## 16622— Washers (Aluminum)

Cleveland Wrought Products Co., W 58th St. & W. & L. E. Belt Line, Cleveland, Ohio
**ERDLE PERFORATING CO.,** 181 York, Rochester, N. Y.
*See adv index at end of book*
Grammes L. F. & Sons, 344 Union, Allentown, Pa. *See adv index at end of book*
**QUADRIGA MFG. & SPECIALTY CO., 218 W Grand av, Chicago, Ill.**
***See adv index at end of book***

## 16623— Washers (Axle)

**ARGUTO OILLESS BEARING CO.** ("Arguto"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Bardall J. C. Co. (Coiled Leather), Moundsville, W. Va.
Bound Brook Oil-Less Bearing Co. ("Bound Brook"-Less Bearing, "Nigrum" Oilless), Bound Brook, N. J.
Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. L. E. Belt Line, Cleveland, O.
Diamond Whip Co. (Coiled Leather), 406 N Curtis, Chicago, Ill.
Fernald Mfg. Co. (Coil & Solid), North East, Pa.
Harsh-Miller Mfg. Co. (Coil, for Carriages, etc), Wabash, Ind.
McCarthy T. F., 255 A, So Boston, Mass.
Wrought Washer Mfg. Co., Milwaukee, Wis.

## 16624-5—Washers (Basket)

Grammes L. F. & Sons, Allentown, Pa.
***See adv index at end of book***
Tower Mfg. Co., Elm & Commerce, Cincinnati, O.
Wrought Washer Mfg. Co., Milwaukee, Wis.

## 16626—Washers (Bone & Fat)

Brecht Co. (Wire Mesh Cylinder), 1201 Cass av. St. Louis, Mo.

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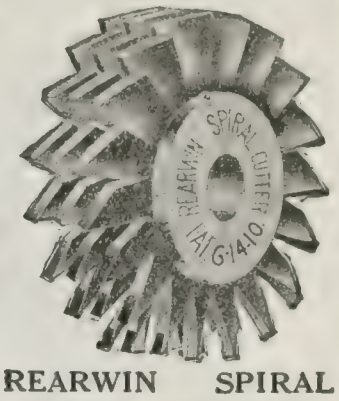


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## 16627—Washers (Brass & Copper)

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*
**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
**BARNES THE WALLACE CO. ("Barnes-Made" Spring), 18 Wallace, Bristol, Conn.** *See adv index at end of book*
Bettcher Stamping & Mfg. Co., 6120 Clark av, S W, Cleveland, O.
*See adv index at end of book*
Brass Goods Mfg. Co., 345 Eldert, Brooklyn, N. Y.
Bridgeport Brass Co., Bridgeport, Conn.
Chicago Nut Co., 2513 W 20th, Chicago, Ill.
Continental Electric Co., 1883 Park av, New York
Erdle Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
Falls Rivet Co., Kent, Ohio
**GASKET SUPPLY CO.** ("Right" Brass, Copper, Steel, Tin, Zinc, Rubber, etc. Also Bronze), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
Gaynor Mfg. Co. (Brass for Steam Gas & Water Fittings), Bridgeport, Conn.
Goetze Gasket & Packing Co., New Brunswick, N. J.
**GRAMMES L. F. & SONS,** Allentown, Pa.
*See adv index at end of book*
Guillot Metal Gasket & Supply Co., 24 S Clinton, Chicago, Ill.
*See adv index at end of book*
**Harry Bros. Mfg. Co., 282 Woodbridge, E Detroit, Mich.**
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
Hill Geo. Q. Co. (Brass), Framingham, Mass.
Hill-Smith Metal Goods Co. ("H. S." Copper), 82 Brookline av, Boston, Mass.
Hobbs Mfg. Co. ("American Wire"), Worcester, Mass.
Humphrey H. W., Unionville, Conn
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Kales Stamping Co., 443 Lafayette, W Detroit, Mich.
Mass. Machine Shop, Inc., 817 Albany, Boston, Mass.
*See adv. index at end of book*


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Metallo Gasket Co. ("Somerset," "Oxford" Copper), New Brunswick, N. J.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Nelson Tool Co., Inc., 782 E. 142d, New York
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio
North Penn Washer Co., Drexel bldg, Phila., Pa.
Pheoll Mfg. Co., 3700 W 12th, Chicago, Ill.
Plume & Atwood Mfg. Co., Waterbury, Conn.
**QUADRIGA MFG. & SPECIALTY CO., 213 W Grand av, Chicago, Ill.**
*See adv index at end of book*
**Read A. P. Co., 568 W Washington, Chicago, Ill.**
Rome Brass & Copper Co., Rome, N. Y.
Steele & Johnson Mfg. Co., Waterbury, Conn.
**Stimpson Edw. B. Co. (Also Bronze & Aluminum), 68 Franklin av, Brooklyn, N. Y.**
U. S. Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*
Waterbury Brass Goods Corp., Waterbury, Conn.
Waterbury Mfg. Co. (Brass), Waterbury, Conn.
Whitman Metal Goods Co. (Brass), Whitman, Mass.
**Worcester Stamped Metal Co., 9 Hunt, Worcester, Mass.**
Wrought Washer Mfg. Co. (Brass), Milwaukee, Wis.
**W. & S. Mfg. Co., Worcester, Mass.**

## Washers (Car Box)

See Washers, Fibre, etc

## 16628—Washers (Cast Iron)

Bayonne Bolt & Nut Co., Bayonne, N. J.
*See adv. index at end of book*
**Bethlehem Steel Co., So Bethlehem, Pa.**
**BOSWORTH-ARD MACHINE & FOUNDRY CO.,** Anniston, Ala.
Buchanan Foundry Co., Lebanon, Pa.
**BUFFALO FOUNDRY & MACHINE CO.,** 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
**Cheney S. & Son, Manlius, N. Y.**
Davies & Thomas Co., Catasauqua, Pa.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Devine J. P. Co., Buffalo, N. Y.
Drummond Mfg. Co., Louisville, Ky.
Empire Galvanizing Co., 2507 E Cumberland, Phila., Pa.
Etna Foundry Co., Etna, Pa.
Falls Rivet Co., Kent, O.
Foster Mfg. & Supply Co., 20th & Venango, Phila., Pa.
Harkins T. B. Foundry Co., Bristol, Pa.
Harry L. C. Co., 114 Liberty, New York
Haskell Wm. H. Mfg. Co., Pawtucket, R. I.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Indiana Foundry Co., Indiana, Pa.
Iron City Foundry Co., Lebanon, Pa.
Janney & Company, Montgomery, Ala.
*See adv index at end of book*
Keagy & Lear Machine Co., Cosbocton, O.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
**LARKIN J. K. & CO.,** 34 Reade, New York
*See adv index at end of book*
**Los Angeles Foundry Co., Los Angeles, Cal.**
Lummus Walter E. Co. (Chemical), 171 Milk, Boston, Mass.
**McDowell Foundry Co., Chicago Heights, Ill.**
Milton Mfg. Co., Milton, Pa.
**Moran Bolt & Nut Mfg. Co. 1st & Florida,** St. Louis, Mo.
Payne's Bolt Works, 133 Howard, San Francisco, Cal.
Phoenix Specialty Mfg. Co., 48 Duane, New York
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Price-Evans Foundry Co., Chattanooga, Tenn.
Read A. P. Co., 568 W Washington, Chicago, Ill.
Roanoke Iron & Bridge Works, Roanoke, Va.
**ST. PAUL FOUNDRY CO.,** Como av & Mackubin, St. Paul, Minn.
*See adv index at end of book*
**SOUTH BEND FOUNDRY CO.,** South Bend, Ind.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Western Foundry & Sash Weight Co., 2d & Miller, St. Louis, Mo.
Western Iron & Foundry Co., Wichita, Kan.
Wrought Washer Mfg. Co., Milwaukee, Wis.

## 16629— Washers (Caster)

National Fibre & Insulation Co., Yorklyn, Del.
Spaulding J. & Sons Co., Inc. (Hard Fibre), P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*

## 16629a— Washers (Chemical)

Bethlehem Steel Co., South Bethlehem, Pa.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
*See adv index at end of book*
Devine J. P. Co., Buffalo, N. Y.
Lummus Walter E. Co. (Cast Iron, Lead, Lined or Steel Plate), 171 Milk, Boston, Mass.

## 16630— Washers (Cork)

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
**Armstrong** Cork Co. (Natural Cork, "Acco," "Suberit," "Acme," "Rubber Cork," "Linoleum"), **24th & A. V. R. R., Pittsburgh, Pa.**
**Bond Bottle Sealing Co., 501 Monroe, Wilmington, Del.**
Brawley T. R., 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
**GASKET SUPPLY CO.** ("Right" All Shapes & Sizes; Automobile Shapes a Specialty), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
**Silver Crown Cork Co., 1457 Broadway, New York**
U. S. Indestructible Gasket Co., Church & Fulton, New York
*See adv index at end of book*

## 16630a— Washers (Countersink)

Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Massachusetts Machine Shop (Inc.), 817 Albany, Boston, Mass.
*See adv index at end of book*
**Quadriga Mfg. & Spec. Co. (For Flat Head Screw), 213 W Grand av, Chicago, Ill.**
*See adv index at end of book*

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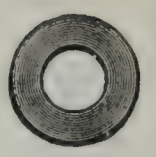


**STAMPINGS OF ALL KINDS IN ABOVE MATERIALS**


## 16631— *Washers (Elastic)

**Standard Fibre Co. (Flexible Fibre), Miller, Somerville, Mass.**

## 16632— Washers (Felt)

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
**AMERICAN WASHER WORKS**, 178 Centre, New York
*See adv index at end of book*
**Bacon Felt Co. ("Bacon"), Winchester, Mass.**
**BARWOOD L. J. MFG. CO.** ("Barwood"), Stoneham 80, Boston, Mass.
*See adv index at end of book*
**Booth Felt Co. Inc., 440 19th, B'klyn, N. Y.**
**Braunsdorf George W., 430 E 53d, New York**
**BRAWLEY T. R.**, 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
Field R. B. & Co. ("Fieldco"), Worcester, Mass.
**GASKET SUPPLY CO.** ("Right" for Automobile Use), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
Goepel C. F. & Co., 137 E 13th, New York
House Chas. W. & Sons, Unionville, Conn.
**McCarthy T. F., 255 A, So Boston, Mass.**
**Marston I. G. & Co., 226 Ruggles, Boston, Mass.**
**Star Felt Cutting Co., 260 69th, Brooklyn, N. Y.**

## 16633— Washers (Fibre)

**See also Fibre, Hard**

**American Vulcanized Fibre Co. (Vulcanized for Cock, Spigot, Tap, etc), 504 Equitable bldg, Wilmington, Del.**
**AMERICAN WASHER WORKS**, 178 Centre, New York
*See adv index at end of book*
**ARGUTO OILLESS BEARING CO.** ("Arguto"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
**BARWOOD L. J. MFG. CO.** ("Barwood"), Stoneham 80, Boston, Mass.
*See adv index at end of book*
Bettcher Stamping & Mfg. Co., 6120 Clark av, S W, Cleveland, O.
*See adv index at end of book*
Bound Brook Oil-Less Bearing Co. ("Nigrum" Oilless), Bound Brook, N. J.
Brandywine Fibre Products Co., East Wilmington, Del.
**Braunsdorf Geo. W., 40 E 53d, New York**
**CHICAGO MICA CO.** (Mica, also Fibre, All Sizes), Valparaiso, Ind.
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. L. E. Belt Line, Cleveland, O.
Continental Fibre Co. ("Bakelite-Dilecto," & Vulcanized Fibre & "Continental-Bakelite" for All Purposes), Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO. (Cock, Spigot, Tap, etc), Wilmington, Del. Works: Marshallton, Del.**
*See adv index at end of book*
**Diamond State Fibre Co. (For All Purposes), Bridgeport, Pa.**
**Fibre Finishing Co., 117 Lincoln, Boston, Mass.**
Field R. B. & Co. ("Fieldco"), Worcester, Mass.
**GASKET SUPPLY CO.** ("Right" Hard & Soft Fibre for Every Purpose), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
Goepel C. F. & Co., 137 E 13th, New York
Keystone Specialty Co. (Bibb), Scranton, Pa.
Lindsley Henry A., 1610 W 116th, Cleveland, O.
**National Fibre & Insulation Co., Yorklyn, Del.**
**QUADRIGA MFG. & SPECIALTY CO., 213 W Grand av, Chicago, Ill.**
*See adv index at end of book*
Rogers Fibre Co. ("Leatheroid"), 121 Beach, Boston, Mass.
*See adv index at end of book*
Russell Specialty Mfg. Co., 2944 W Lake, Chicago, Ill. *See adv index at end of book*
**SPAULDING J. & SONS CO., INC.** (Hard Fibre), P. O. Box 52, Tonawanda, N. Y. *See adv index at end of book*
**Standard Fibre Co., Miller, Somerville, Mass.**
**WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del.**
*See adv index at end of book*
**Worcester Stamped Metal Co., Worcester, Mass.**

## 16634— Washers (Friction)

**ARGUTO OILLESS BEARING CO.** ("Arguto"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilmington Fibre Specialty Co., Wilmington, Del. *See adv index at end of book*

## 16635—Washers (Galvanized)

Bettcher Stamping & Mfg. Co., 6120 Clark av, S W, Cleveland, O.
*See adv index at end of book*
Empire Galvanizing Co., 2507 E Cumberland, Phila., Pa.
Galvanized Products Co., Phillipsburg, N. J.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Hubbard & Co., 63d & Butler, Pittsburgh, Pa.**
Nicetown Plate Washer Co., 1824 Juniata, Phila., Pa.
**QUADRIGA MFG. & SPECIALTY CO., 213 W Grand av, Chicago, Ill.**
*See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Stanley Works, New Britain, Conn.
*See adv index at end of book*
Wrought Washer Mfg. Co., Milwaukee, Wis.

## Washers (Gas)

**See Purifiers & Scrubbers, Gas**

## 16635a— *Washers (Gravel)

**SMITH ENGNG. WKS.**, 3191 Locust, Milwaukee, Wis.

## 16636— Washers (Insulating)

**American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.**
**ARGUTO OILLESS BEARING CO.** ("Arguto"), Wayne Junction, Phila., Pa.
*See adv index at end of book*
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham 80, Boston, Mass.
***See adv index at end of book***
Brawley T. R., 275 20th, Brooklyn, N. Y.
*See adv index at end of book*
Chicago Mica Co., Valparaiso, Ind.
*See adv index at end of book*
**Continental Fibre Co. (Vulcanized Fibre & "Continental-Bakelite" & "Bakelite-Dilecto"), Newark, Del.**
*See adv index at end of book*
**DELAWARE HARD FIBRE CO., Wilmington, Del. Works. Marshallton, Del.** *See adv index at end of book*
Diamond State Fibre Co., Bridgeport, Pa.
Formica Insulating Co. ("Formica"), 40 Spring Grove av, Cincinnati, O.
**Fox Jno. M. & Co. ("Fibrine"), Portland, Me.**
Gasket Supply Co., 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Johns-Manville H. W. Co. ("Vulcabeston"), Madison av & 41st, New York
Meirowsky Bros., Jersey City, N. J.
**Mica Insulator Co. ("Micanite"), 68 Church, New York**
**Morley Mfg. Co. ("Milonite," "Perfection," Nails), 120 Boylston, Boston, Mass.**
**National Fibre & Insulation Co., Yorklyn, Del.**
**Parker & Hafner, Williamsport, Pa.**
**QUADRIGA MFG. & SPECIALTY CO. (Fibre), 213 W Grand av, Chicago, Ill.**
***See adv index at end of book***
**Rhode Island Washer Co., Valley Falls, R. I.**
**Salem Leather Co., Salem, Mass.**
**Schoonmaker Adrian O., 88 Park pl, New York**
Spaulding J. & Sons Co., Inc. (Fibre), P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*
**Standard Fibre Co., Miller st, Somerville, Mass.**
**WILMINGTON FIBRE SPECIALTY CO., Wilmington, Del.**
***See adv index at end of book***

## 16637—Washers (Iron & Steel)

**Allegheny Steel Co. (Round & Square Steel Plate Washers for Axle, Draft Pin, etc), Oliver bldg, Pittsburgh, Pa. Works: Brackenridge, Pa.**
**American Bridge Co., 30 Church, New York**
**American Equipment Co., Norristown, Pa.**
**American Nut & Bolt Fastener Co. (Wrought Iron & Steel), Ontario & Doerr, Pittsburgh, Pa.**
Armstrong & Parker, Guilford av, Baltimore, Md.
**Bayonne Bolt & Nut Co., Bayonne, N. J.**
*See adv index at end of book*
Beall Bros., Alton, Ill.
**Bethlehem Steel Co., So Bethlehem, Pa.**
Bettcher Stamping & Mfg. Co., 6120 Clark av, S W, Cleveland, O.
*See adv index at end of book*
Blancke A. C. Co. (Wrought Iron & Steel), 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Bonney Vise & Tool Wks. Inc., Allentown, Pa. *See adv index at end of book*
**Clark Bros. Bolt Co., Milldale, Conn.**
*See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.

Cobb & Drew (Small), Plymouth, Mass.
**Columbus Bolt Works Co., Columbus, O.**
Corbin Screw Corporation, New Britain, Conn.
**Eastern Bolt & Nut Co., E Providence,** Providence, R. I.
**Erdle** Perforating Co., 181 York, Rochester, N. Y. *See adv index at end of book*
**Erie Forge Co., Erie, Pa.**
Foster Mfrs. & Supply Co. (Wrought), 20th & Venango, Phila., Pa.
**GASKET SUPPLY CO.** (Round & Square), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
**Graham Nut Co., 1317 W Carson, Pittsburgh, Pa.**
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Greenlie, Wyatt & Co., 499 Water, New** York
**Griffin Mfg. Co. (Wrought), Erie, Pa.**
**Hager C. & Sons Hinge Mfg. Co., (Wrought** Steel), St. Louis, Mo.
**Harry Bros. Mfg. Co. (Steel Only), 282 Woodbridge, E Detroit, Mich.**
**Haskell Wm. H. Mfg. Co., Pawtucket,** R. I.
**Hill Geo. Q. Co., Framingham, Mass.**
Hitner's Henry A. Sons Co., Graul & Hazzard, Phila., Pa.
**Hoopes & Townsend Co., Broad & Buttonwood, Phila., Pa.**
Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
Hubbard Pressed Steel Co., Niles, O.
**Humphrey H. W., Unionville, Conn.**
**Joliet Wrought Washer Co., Joliet, Ill.**
**Judson Mfg. Co., 819 Folsom, San Francisco, Cal.**
Kales Stamping Co., 443 Lafayette, W Detroit, Mich.
**Kansas City Bolt & Nut Co., Kansas City,** Mo.
**Lanman E. B. Co., 80 E Jackson blvd, Chicago, Ill.**
**Lanz M. & Sons (Square & Round), 2907** Carson, Pittsburgh, Pa.
**Larkin J. K. & Co. (Cast Iron), 34 Reade,** New York *See adv index at end of book*
**Lebanon Valley Iron & Steel Co. (Plate** Washers), Lebanon, Pa.
McKinney Mfg. Co. (Steel), Liverpool & Metropolitan, Pittsburgh, Pa.
**Mansfield Lock Washer Co., Mansfield, O.**
**Maryland Bolt Co., Continental bldg,** Baltimore, Md.
**Massachusetts Machine Shop (Inc.)** (Steel), 817 Albany, Boston, Mass.
*See adv index at end of book*
**Merwin Mfg. Co., Erie, Pa.**
**Meyer & Co., Throopsville, N. Y.**
**Milton Mfg. Co., Milton, Pa.**
**Moran Bolt & Nut Mfg. Co., 1st & Florida,** St. Louis, Mo.
**National Mfg. Co. (Wrought Steel), Sterling, Ill.**
**New Castle Steel & Iron Co. (Wrought),** Pittsburgh, Pa.
**New England Bolt Co., Everett, Mass.**
**Nicetown Plate Washer Co. (Round or** Square), 1824 Juniata, Phila., Pa.
Nolte Screw Machine Products Co., 1536 Freeman av, Cincinnati, Ohio
**North Penn Washer Co., Drexel bldg,** Phila., Pa.
**Ohio Shovel & Stamping Co. (Wrought),** Dover, O.
**Oliver Iron & Steel Co. (Wrought), S 10th & Muriel, Pittsburgh, Pa.**
**Pawtucket Mfg. Co., Pawtucket, R. I.**
**Payne's Bolt Works (Wrought), 133 Howard, San Francisco, Cal.**
**Philadelphia Machine Screw Works (Special Size, Any Material), 624 Race,** Phila., Pa.
**Pittsburgh Rivet Co., 38th & Junction** R R, Pittsburgh, Pa.
**Pittsburgh Screw & Bolt Co. (Wrought),** Preble av, Pittsburgh, Pa.
**Plymouth Mills (Small), Plymouth, Mass.**
**QUADRIGA MFG. & SPECIALTY CO., 213** W Grand av, Chicago, Ill.
*See adv index at end of book*
**Read A. P. Co., 568 W Washington, Chicago, Ill.**
**Reed & Prince Mfg. Co., Worcester, Mass.**
**Reliance Mfg. Co. (Steel Plate), Massillon, O.**
**Republic Iron & Steel Co. (Steel), Youngstown, O.**
*See Branch Offices Alphabetical Section.*
**Republic Structural Iron Works Co. (Steel-Heavy), 1350 E 53d, Cleveland, O.**
**Rhode Island Tool Co., Providence, R. I.**
**Richards-Wilcox Mfg. Co. (Steel), Aurora,** Ill.
Ryerson Jos. T. & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
St. Louis Screw Co. (Wrought), Clarence & Bulwer avs, St. Louis, Mo.
**Schaper Construction Material Co. (Steel),** 90 West, New York
**Sessions J. H. & Son (Steel), Bristol, Conn.**
**Sharon Steel Hoop Co. (Steel Only),** Sharon, Pa.
Simons & Mills, Inc., 25 Leonard, New York
Smith Thos. Co., Worcester, Mass.
**Sparks-Withington Co. (Steel), Jackson,** Mich.
**STANLEY WORKS (Wrought Steel), New Britain, Conn.**
*See adv index at end of book*
**Stimpson Edw. B. Co., 68 Franklin av,** Brooklyn, N. Y.
**Taunton Rivet Works (Steel), Taunton,** Mass.
Torsion Nut Lock & Washer Co. Inc. ("Torsion" Hexagon Steel), 11 Central, Boston, Mass.
**Unity Mfg. Co. (Steel Spacing), 4227 Lo**rain av, Cleveland, O.
**Universal Safety Tread Co., Waltham,** Mass.
**Upson Nut Co., Cleveland, O.**
**Western Washer Co., 2279 E 15th, Los An**geles, Cal.
**Whitman Metal Goods Co. (Iron), Whit**man, Mass.
**Wilcox, Crittenden & Co. Inc., Middletown,** Conn. *See adv index at end of book*
**Wilmington Malleable Iron Works of Eastern Malleable Iron Co. (Malleable Iron), Wilmington, Del.**
**Worcester Stamped Metal Co., 9 Hunt,** Worcester, Mass.
**Wrought Washer Mfg. Co. (Wrought & Steel Plate of all Kinds), Milwaukee,** Wis.

## 16638— Washers (Lead)

**AKRON METALLIC GASKET CO.,** 142 N Union, Akron, O.
*See adv index at end of book*
American Casting & Mfg. Corp., 30 Main, Brooklyn, N. Y.
**AMERICAN WASHER WORKS,** 178 Centre, New York
*See adv index at end of book*
Barwood L. J. Mfg Co ("Barwood"), Stoneham, 80, Boston, Mass.
*See adv index at end of book*
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
Delphos Mfg. Co., 1st & Pierce, Delphos, O.
Detroit Leather Specialty Co., 275 Beecher av, Detroit, Mich.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
**Emrich Phil (For Roofers), 824 Main, Cin**cinnati, O.
**Field R. B. & Co. ("Fieldco"), Worcester,** Mass.
**GASKET SUPPLY CO.** (Both Flat & Shaped), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
**Guillott Metal Gasket & Supply Co., 24 S** Clinton, Chicago, Ill.
*See adv index at end of book*
**Harry Bros. Mfg. Co., 282 Woodbridge, E** Detroit, Mich.
Kales Stamping Co., 443 Lafayette, W Detroit, Mich.
**Lawrence Shot & Lead Co., Omaha, Neb.**
**Littleford Bros. (For Roofers), 444 E Pearl,** Cincinnati, O.
Orleans Steel Products Co., Inc., 1021 Bienville, New Orleans, La.
**QUADRIGA MFG. & SPECIALTY CO., 213** W Grand av, Chicago, Ill.
*See adv index at end of book*
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Selby Smelting Works, 201 1st, San Francisco, Cal.
Souther E. E. Iron Co. (For Roofers), Klenlin & Hamburger, St. Louis, Mo.
Stimpson Edw. B. Co, 68 Franklin av, Brooklyn, N. Y.
**United Lead Co., 111 B'way, New York**
**Wensley Metal Products Co., Denver, Colo.**
**Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.**

## 16639— Washers (Leather)

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
**AMERICAN WASHER WORKS,** 178 Centre, New York
*See adv index at end of book*
Auburn Leather Goods Co., Auburn, N. Y.
Bardall J. C. Co. (Coiled, etc), Moundsville, W. Va.
**BARWOOD L. J. MFG. CO.,** Stoneham, 80, Boston, Mass.
*See adv index at end of book*

WASHERS BARWOOD GASKETS
ESTABLISHED 1900
**"BARWOOD" WASHERS, GASKETS AND PACKINGS**
**Leather, Felt, Fibre, Paper, Asbestos, Cork, Cardboard, Lead**
**ANY SIZE OR SHAPE**
Moulded Leather Packings our specialty. Send B/P or specifications, naming quantities, and receive our attractive prices by return mail. Prompt service.
**L. J. BARWOOD MFG. CO.**
**Stoneham 80, BOSTON, MASS.**

Bunnell W. H., 131 Worth, New York
**Chicago Leather & Mercantile Co., 1848** W 14th, Chicago, Ill.
**Chicago Rawhide Mfg. Co. (Rawhide), 1301** Elston av, Chicago, Ill.
Darling Valve & Mfg. Co. (Ltd), Williamsport, Pa.
Detroit Leather Specialty Co. (Inc.), ("Wear Well"), 275 Beecher av, Detroit, Mich.
Diamond Whip Co. (Coiled, etc), 406 N Curtis, Chicago, Ill.
**Eureka Supply Co., Swell, N. J.**
**Excelsior Leather Washer Mfg. Co., 323-**329 Cedar, Rockford, Ill.
Feeser F. S. & Co., 1033 Shelby, Indianapolis, Ind.
Field R. B. & Co. ("Fieldco"), Worcester, Mass.
**GASKET SUPPLY CO.** ("Right"), 1927 Ludlow, Phila., Pa.
*See adv index at end of book*
Glauber M. & Co., 103 Varick, New York
Glauber Samuel S., 242 E 79th, New York
Graton & Knight Mfg. Co., Worcester, Mass.
Hoffeld R. & Co. (For Axles), 61 Carroll, Buffalo, N. Y.
Houghton E. F. & Co., ("Vim"), 240 Wor-Somerset, Phila., Pa.
**Hudson Belting Co., 3 Eaton pl, Wor**cester, Mass.
**Indiana Leather Stamping Co., Williams**port, Pa.
Judd & Leland Mfg. Co., Clifton Springs N. Y.
Kendrick Valve & Washer Co., Syracuse N. Y.
Keystone Specialty Co. (Bibb), Scranton, Pa.
Marston I. G. & Co., 226 Ruggles, Boston Mass.
National Leather Mfg. Co., Niles, Mich.
New York Washer Works Co., 89 Morton, New York
Nott W. S. Co., 2d av, N. & 3d, Minneapolis, Minn.
Page Belting Co., Concord, N. H.
Planet Co., Westfield, Mass.
**QUADRIGA MFG. & SPECIALTY CO., 213** W Grand av, Chicago, Ill.
*See adv index at end of book*
Raniville F. Co., Grand Rapids, Mich.
Simplex Mfg. Co., 10-12 Garden, Auburn, N. Y.
United States Whip Co., Westfield, Mass.

## 16640—Washers (Leather Coil for Whips, Etc.)

Bardall J. C. Co., Moundsville, W. Va.

## 16641— Washers (Lock)

American Nut & Belt Fastener Co. ("Bartley" for Splice Joints, Car Trucks, etc), Ontario & Doerr, North Side, Pittsburgh, Pa.
Blancke A. C. Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*

WASHERS (LOCK)—continued

Flannery J. Rogers & Co. (Nut Locks), Vanadium bldg, Pittsburgh, Pa.
Harper F. C. Screw Wks., 19 E 8th, Chicago, Ill.
Hobbs Mfg. Co. ("American Wire"), Worcester, Mass.
Kales Stamping Co., 443 Lafayette, W. Detroit, Mich.
Jones Positive Nut Lock Co., 2812 S. Wabash av, Chicago, Ill.
Mansfield Lock Washer Co. ("Mansfield"), Mansfield, O.
National Lock Washer Co., 65 Johnson, Newark, N. J.
National Umbrella Frame Co. ("Neverslip"), 30th & Thompson, Phila., Pa.
Positive Lock Washer Co. of America, Av-A, Newark, N. J.
**QUADRIGA MFG. & SPECIALTY CO.** (Plain & Pattern), 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Reliance Mfg. Co. ("Reliance"), Massillon, O.
St. Louis Screw Co., Clarence & Bulwer ave, St. Louis, Mo.
Sailer & Melvin Mfg. Co., Massillon, O.
**SMITH & HEMENWAY CO. INC.** (Corrugated "Lox-Washer"), 261H B'way, New York & 130H Colt, Irvington, N.J. *See adv index at end of book*
Steel Specialties Co. ("Worth" Wedge Washer), Waltham, Mass.
Verona Tool Works, Oliver bldg, Pittsburgh, Pa.

## 16642—Washers (Malleable Iron)

National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, O.
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.
Wrought Washer Mfg. Co., Milwaukee, Wis.

## Washers (Mica)

See Mica, Manufactured

## Washers (Milk Can)

See Machines, Milk Can Washing

## 16643—Washers (Name Plate)

Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Wolverine Brass Works, Grand Rapids, Mich.

## 16644—Washers (Nickel Plated)

Bettcher Stamping & Mfg. Co., 6120 Clark av, S W, Cleveland, O. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Springfield Mach. Co., Springfield, Mass.
U. S. Indestructible Gasket Co., Church & Fulton, New York *See adv index at end of book*

## 16645— Washers (Paper)

Advance Felt & Cutting Co., 380 S Jefferson, Chicago, Ill.
**AMERICAN WASHER WORKS,** 178 Centre, New York *See adv index at end of book*
Braunsdorf Geo. W., 430 E 53d, New York
Field R. B. & Co. ("Fieldco"), Worcester, Mass.

## 16646—Washers (Phosphor Bronze)

Akron Metallic Gasket Co., 142 N Union, Akron, O. *See adv index at end of book*
Bound Brook Oil-Less Co. ("Bound Brook"), Bound Brook, N. J.
**GASKET SUPPLY CO.** ("Right"), 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Goetze Gasket & Packing Co., New Brunswick, N. J.
Phosphor Bronze Smelting Co., 2200 Washington av, Phila., Pa.
**QUADRIGA MFG. & SPECIALTY CO.,** 213 W Grand av, Chicago, Ill. *See adv index at end of book*

## 16647—Washers (Plate, Steel)

Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.
Cambria Steel Co. (Finished), Widener bldg, Phila., Pa.
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Fabricated Steel Products Corp., Box 505, Leetonia, O. *See adv index at end of book*
Harry L. C. Co., 114 Liberty, New York
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Massachusetts Machine Shop, Inc., 817 Albany, Boston, Mass. *See adv index at end of book*
Nelson Tool Co., Inc., 782 E 142d, New York
Nicetown Plate Washer Co., 1824 Juniata, Phila., Pa.
Pottsville Bolt Co., Pottsville, Pa.
Smith Thos. Co., Worcester, Mass.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Worcester Pressed Steel Co., Worcester, Mass.
**YOUNGSTOWN PRESSED STEEL CO.** (Standard Special), Warren, O.

## 16648—Washers (Plumbers')

American Vulcanized Fibre Co. (Vulcanized Fibre), 504 Equitable bldg, Wilmington, Del.
Barwood L. J. Mfg. Co. ("Barwood"), Stoneham, 80, Boston, Mass. *See adv index at end of book*
Continental Fibre Co. ("Continental-Bakelite" & "Bakelite-Dilecto" Fibre). Newark Centre, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.,** Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Diamond State Fibre Co., Bridgeport, Pa.
Empire Tire & Rubber Corp. (Rubber), Trenton, N. J.
Field R. B. & Co. ("Fieldco"), Worcester, Mass.
Frost Mfg. Co. (Brass), Kenosha, Wis.
**GASKET SUPPLY CO.** ("Right" Fibre Lead, etc.), 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Gaynor Mfg. Co., Bridgeport, Conn.
Good Mfg. Co., ("Good"), 305 E 134th,
Grabler Mfg. Co., Cleveland, O.
Home Rubber Co., Trenton, N. J.
Kales Stamping Co., 443 Lafayette, W. Detroit, Mich
Marston I. G. & Co., 226 Ruggles, Boston, Mass.
Mitchell A. L. & Son, 1866 Atlantic av, Brooklyn, N. Y.
National Fibre & Insulation Co., Yorklyn, Del.
Pennsylvania Rubber Co. (Rubber Bibb, Waste, etc), Jeannette, Pa.
Plume & Atwood Mfg. Co. (Brass, etc), Waterbury, Conn.
Rhode Island Washer Co., Valley Falls, R. I.
Standard Fibre Co. (Fibre), Miller st, Somerville, Mass.
U. S. Indestructible Gasket Co., Church & Fulton, New York *See adv index at end of book*
Wolverine Brass Works (Nickel Plated), Grand Rapids, Mich.
Woodward-Wanger Co. ("Flexo" Bibb), 1106 Spring Garden, Phila., Pa.

## 16649—Washers (Prop Block)

Kilo Electric Meter Co., 10th & Canal, Indianapolis, Ind.
Searls Mfg. Co. (Leather), 29 Mulberry, Newark, N. J.

## 16650— Washers (Roof)

Horan Stay Hanger Co. (Galvanized), 1932 W Jefferson, Louisville, Ky.

## 16651— Washers (Rubber)

Acme Rubber Mfg. Co., Trenton, N. J.
**AMERICAN WASHER WORKS,** 178 Centre, New York *See adv index at end of book*
Bell Andrew (Est. of), 6 Commercial, Newark, N. J.
Boston Belting Corp., 84 Linden Park, Boston, Mass.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Bunnell W. H., 178 Center, New York
Canfield H. O. Co., Bridgeport, Conn.
Combination Rubber Mfg. Co. ("Boss"), Bloomfield, N. J.
Empire Tire & Rubber Corp., Trenton, N. J.
**GASKET SUPPLY CO.** ("Right" Cloth Inserted, Red & Pure Rubber), 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Gilbert & Co., Hyattsville, Md.
Goodrich B. F. Co., Akron, O.
Goodyear Rubber Co. & Rubber Clothing Co., 787 B'way, New York
Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
Hamilton Rubber Mfg. Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Jenkins Bros., 80 White, New York
Manhattan Rubber Mfg. Co., Passaic, N. J.
Marston I. G. & Co. (Machine Cut), 226 Ruggles, Boston, Mass.
Mechanical Rubber Co., 73 Reade, New York
Mulconroy Co., 54th & Jefferson, Phila., Pa.
N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
N. Y. Belting & Packing Co., 91 Chambers, New York
New York Rubber Disc Co., 215 E 98th, New York
Norwalk Mfg. Co., E Norwalk, Conn.
Ogden C. S. Co., 420 E 159th, New York
Pennsylvania Rubber Co., Jeannette, Pa.
Quabaug Rubber Co. (Hose), N Brookfield, Mass.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Revere Rubber Co., 60 High, Chelsea, Mass.
Schacht Rubber Mfg. Co., Huntington, Ind.
United & Globe Rubber Co., Trenton, N. J.
U. S. Rubber Co., 1790 Broadway, New York
Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
Whitehead Bros. Rubber Co., Trenton, N. J.

## Washers (Screw)

See Washers, Countersunk

## 16652—Washers (Sherardized)

Wrought Washer Mfg. Co., Milwaukee, Wis.

## 16653—Washers (Special Sizes, Any Material)

**AKRON METALLIC GASKET CO.,** 142 N Union, Akron, O. *See adv index at end of book*
**BRAWLEY T. R.** (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
**ERDLE PERFORATING CO.,** 181 York, Rochester, N. Y. *See adv index at end of book*
Oakes Co., Indianapolis, Ind.
**QUADRIGA MFG. & SPECIALTY CO.,** 213 W Grand av, Chicago, Ill. *See adv index at end of book*
**YOUNGSTOWN PRESSED STEEL CO.** (Special & Standard, Steel), Warren, O. *See adv index at end of book*

## 16654— Washers (Spring)

**BARNES, THE WALLACE CO.** ("Barnes-Made" Tempered Steel), 18 Wallace, Bristol, Conn. *See adv index at end of book*
Gainer F. H., Plainville, Conn.
Harper F. C. Screw Works, 19 E 8th, Chicago, Ill.
Hunt Pen C. Howard Co., Camden, N. J.
Kales Stamping Co., 443-459 Lafayette blvd, W Detroit, Mich.
Mansfield Lock Washer Co., Mansfield, O.
Stimpson Edwin B. Co., Franklin av, Brooklyn, N. Y.

## 16654a— Washers (Square)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill. *See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
**QUADRIGA MFG. & SPECIALTY CO.,** 213 W Grand av, Chicago, Ill. *See adv index at end of book*
St. Louis Screw Co., Clarence & Bulwer avs, St. Louis, Mo.

## 16655—Washers (Street & Hydrant)

American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
Field R. B. & Co., Worcester, Mass.

Haydenville Co. ("Lewis"), Haydenville, Mass.
Hays Mfg. Co., Erie, Pa.
Hvass Chas. & Co., 511 E 18th, New York
Jarecki Mfg. Co. ("Jarecki," "Keystone"), Erie, Pa.
Kupferle John C. Foundry Co., 1st & Wright, St. Louis, Mo.
Rumsey Pump Co. (Ltd.), Box J, Seneca Falls, N. Y.

## 16656— Washers (Tin)

**GASKET SUPPLY CO.**, 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Humphrey H. W. (Carpet, etc), Unionville, Conn.
National Sheet Metal Co. (Also Brass & Nickel Tin & Zinc), Peru, Ill.
**QUADRIGA MFG. & SPECIALTY CO.**, 213 W Grand av, Chicago, Ill. *See adv. index at end of book*
Robertson W. F. Steel & Iron Co. (Tufting), Elm & Commerce, Cincinnati, O.
Stimpson Edw. B. Co., 68 Franklin av, Brooklyn, N. Y.

## 16656a—Washers (Tomato & Fruit)

**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
McKenna Brass & Mfg. Co. ("Haller" & Berry), 1st av & Ross, Pittsburgh, Pa.

## 16657— Washers (Tumbler)

Rowe L. L. ("No-thump"), 74 Portland, Boston, Mass.
Whiteman Mfg. Co. ("Lightning"), Canton, O.

## 16658— Washers (Vehicle)

Acklin Stamping Co. 1659 Dorr, Toledo, O. *See adv index at end of book*
**BOSSERT CORP. THE**, cor. Linden & West av, Utica, N. Y. *See adv index at end of book*
Cleveland Wrought Products Co., W 58th & W. & L. E. Belt Line, Cleveland, O.
Field R. B. & Co. ("Fieldco"), Worcester, Mass.
Gaylord Sanitary Mfg. Co. ("Ideal & Always Ready," Overhead), El Dorado, Kans.
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
Hanley S. V., 235 Cambridge av, Milwaukee, Wis.
Mueller Edward (Overhead), New Durham, N. J.
Nolan & Blen, 59 Cambridge av, Boston, Mass.
Nunn Brass Works ("Ford"), Rochester, N. Y.
Perfect Mfg. Co., Box 350, Albany, N. Y.
Raban W. A., Broad, Port Chester, N. Y.
Read A. P. Co., 568 W Washington, Chicago, Ill.
Ryan & Long ("Perfection," Overhead), Appleton, Wis.
Smith I. J. Mfg. Co., 100 7th av; 2 Kings Highway, Brooklyn, N. Y.
Star Brass Works ("Binks"), 3129 Carroll av, Chicago, Ill. *See adv index at end of book*
Vehicle Specialty Co. ("Excelsior," Revolving Overhead, "No. 2 Superior," Illuminating Overhead), Hartford, Conn.
Walworth Mfg. Co. ("Walworth"), 793 First, Boston, Mass.
Wieben John Co. (Overhead), 2051 Lex. av, New York

## 16659— Washers (Wooden)

Bogert & Hopper, Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. Mfg. Co., 364 5th av, New York *See adv index at end of book*
**GASKET SUPPLY CO.**, 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*

## Washers (Wrought Iron & Steel)

See Washers, Iron & Steel

## 16660— Washers (Zinc)

**GASKET SUPPLY CO.** ("Right"), 1927 Ludlow, Phila., Pa. *See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa. *See adv index at end of book*
**QUADRIGA MFG. & SPECIALTY CO.**, 213 W Grand av, Chicago, Ill. *See adv index at end of book*
Stimpson Edw. B. Co., 68 Franklin av, Brooklyn, N. Y.

## Washers & Burrs (Brass & Copper)

See Washers, Brass & Copper

## 16661-2—Washing Machine Parts (Wood)

**ALBAUGH DOVER CO.** (Electric), 2100 Marshall blvd, Chicago, Ill. *See adv index at end of book*
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Yost Gearless Motor Co., Springfield, O.

## 16663—Waste (Cotton & Wool)

Adams Bros., 134 Tudor, S, Boston, Mass.
Allen W. D. Mfg. Co., 566 W Lake, Chicago, Ill. *See adv index at end of book*
American Supply Co. (Wholesale), 1407 Dayton, Chicago, Ill.
Andres Eugene C. Co., 141 Milk, Boston, Mass.
Ayres, Bridges & Co., 200 Summer, Boston, Mass.
Becker Chas. W., Amsterdam, N. Y.
Bishop Robt. Mfg. Co. (Cotton), 157 W Sixth, S Boston, Mass.
Blaisdell S. Jr. Co. (Dealers), Chicopee, Mass.
Blakeley Jno. & Son (Cotton & Wool), 1089 Gtn. av, Phila., Pa.
Bowman D. F. Co. (Wool Waste for Packing Car Boxes), New Albany, Ind.
Broderick & Babscom Rope Co. (Jobbers of All Grades), 805 N Main, St. Louis, Mo.
Brooks Geo. B. (Wiping), 303 Canal, Providence, R. I.
Burstein Meyer, Neenah, Wis.
Cantasano Vito G. & Bros., 185 South, New York
Charles Wm. B., Amsterdam, N. Y.
Charlotte Waste Co., Inc., Charlotte, N. C. *See adv index at end of book*
Chicago Waste Co., 319-331 W. O., Chicago, Ill.
Coburn Walter Co., Lowell, Mass.
Collins E. F. & Sons, Springfield, Mass.
Colonial Supply Co. (Jobbers), 441 1st av, Pittsburgh, Pa. *See adv index at end of book*
Cordingley W. S. & Son (Wool), 229 A S, Boston, Mass.
Corr Peter H., Taunton, Mass.
Crefeld Waste & Batting Co., Saylesville, R. I.
Crerar Adams & Co., 259 E Erie, Chicago, Ill.
Dallas Waste Mills, Dallas, Texas
Detroit Waste Works, 112 Larned W, Detroit, Mich.
Devlin Chas. & Sons, Inc. (Cotton & Wool), 3219 Kensington, Phila., Pa.
Dixon Wm. F. & Sons Co. (Cotton & Wool), 102 Leverington, Phila., Pa.
Economy Wiping Materials Co., 100 10th av, New York
Egan K. Francis X. Corp., 20-22 Bergen, Brooklyn, N. Y.
Egan Waste Co., 19 Burling, New York
Emsley John W., Adams & Emerald, Phila., Pa.
Estes Mills (Cotton "Yacht-Auto," Bleached, "Extra Special," "Prime," Natural Color, Machy. Wiping), Fall River, Mass.
Federal Paper Stock Co., 1814 N Main, St. Louis, Mo.
Felber Sales Co., Superior & 38th, Cleveland, Ohio
Flower Waste & Packing Co., 30 Church, New York
Frankford Waste Co., Van Dyke & Orchard, Phila., Pa.
Franklin Mfg. Co. ("Perfection" Journal Box), Franklin, Pa.
Friedlander Julius & Co. (Cotton Waste & Linters), Columbus, Ga.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Gallagher Daniel J. Mfg. Co., 513 S Clinton, Chicago, Ill.
Glick Harris (Wool, etc), Worcester, Mass.
Gordon Bros., Hazardville, Conn.
Graves Frank B. Co. (Wool), Albany, N. Y.
Gumbinsky Bros. Co., 2261 S Union av, Chicago, Ill.
Hagy Clayton L. & Son, 16th & Carpenter, Phila., Pa.
Hagy J. Milton Waste Works ("Fidelity" Cotton & Wool), 836 S Swanson, Phila., Pa.
Harris Alfred & Co., 146 Summer, Boston, Mass.
Hill & Cutler, 176 Federal, Boston, Mass.
Hill & Dixon Co., Hearst bldg, Chicago, Ill.
Hoffman-Corr Mfg. Co. (Cotton), 312 Market, Phila., Pa.
Hubley Gordon A. (Felt), Worcester, Mass. *See adv index at end of book*
Kenan, McKay & Speir, Inc., Atlanta, Ga.
Kinsey E. A. Co., 331 W 4th, Cincinnati, Ohio
Leigh John Co., 241 A, Boston, Mass.
Lenhart J. I., 236 N Delaware av, Phila., Pa.
Leschen A. & Sons Rope Co. (Cotton Only), 920 N 1st, St. Louis, Mo.
Lillie Dexter P. Co. (Cotton Wiping & Packing Wastes), Indian Orchard, Mass.
Lowell Waste Co., Lowell, Mass.
McGrath Jno. J. (Also Packing, Wiping, etc), 1338 N Front, Phila., Pa.
Maier Marx, Inc., 200 5th av, New York
Main Paper Stock Co., Inc., 31 Peck slip, New York
Massasoit Mfg. Co., Fall River, Mass.
Mendelson Bros. Paper Stock Co., 910 S Michigan av, Chicago, Ill.
Miller Waste Mfg. Co., Snyder & Swanson, Phila., Pa.
Moore Geo. C. (Wool), N Chelmsford, Mass.
National Waste Co. ("Quaker"), Nixon & Leverington, Phila., Pa.
New England Cotton Yarn Co., Taunton, Mass.
Norton Daniel R., Albany, N. Y
O'Meara Maurice Co., 450 Pearl, New York
O'Neill Bros. (For R R Purposes, etc), Oxford & Howard, Phila., Pa.
Peck Asa & Co. (Cotton & Wool), 556 Atwells av, Providence, R. I.
Ray Edgar K. (Est. of), Franklin, Mass.
Railway Supply & Mfg. Co. (Dealers, White & Colored), Cincinnati, O.
Remick, Timothy & Co., 176 Federal, Boston, Moss.
Richards Fred. J., Springfield, Mass.
Riverside Mills (White & Colored Machined Cotton), Augusta, Ga.
Rosen Henry, Toledo, O.
Royal Mfg. Co. (Cotton, Wool & Packing), Rahway, N. J.
Royal Textile Co., 200 Congress, Boston, Mass.
Salomon A., Inc., 15 Park Row, New York
South Atlantic Waste Co., Charlotte, N. C.
Springfield Waste Co. (Cotton Packing & Wiping Waste), Springfield, Mass.
Standard Waste Mfg. Co., 3067 E 61st, Cleveland, O.
**STRONG COTTON WASTE & MFG. CO.** ("Strong's Specialty," White & Colored), 21 Walker, New York
Sweetland Waste Co., 134 Tudor S, Boston, Mass.
Toohey M. J. & Co., Fall River, Mass.
Troy Waste Mfg. Co., Troy, N. Y.
Union Wadding (Wiping), Pawtucket, R. I.
United Waste Mfg. Co., Troy, N. Y.
Valley Waste Mills, La Grange, Ga.
Wallace Rodney Co., Fitchburg, Mass.
Whitaker Fred Co. (Dealers), 2122 E Hazzard, Phila., Pa.
Wolf W. & Sons (Cotton), 549 Atlantic av, Boston, Mass.

## Waste Heat Utilizers

See Fuel Economizers

## 16663a—*Waste Paper (Special)

**MENDELSON BROS. PAPER STOCK CO.**, 910 S Michigan av, Chicago, Ill.

## 16664—Waste Saturating Systems

Milwaukee Tank Works ("Milwaukee" System for Saturating Journal Box Packing), Fratney & Becker, Milwaukee, Wis.

## 16665—Waste & Overflows (Bath)

A. D. Mfg. Co. ("Romeyn" Connected), 201 Piquette, Detroit, Mich.
American Fdry. & Mfg. Co., 11th & Hebert, St. Louis, Mo.
American Pin Co. ("Ampinco" Connected), Waterbury, Conn.
American Sanitary Mfg. Co., Abingdon, Ill.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
D. C. Mfg. Co. ("D. C." Supply & Waste), Canton, O.
Dearborn Brass Co. (Connected With Traps), Cedar Rapids, Ia.
Edwardsville Brass Co., Edwardsville, Ill.
Elgin Brass Co., 21 Park row, New York
Empire Brass Mfg. Co. (With Trap), 10301 Berea rd, Cleveland, O.
Frost Mfg. Co. ("Femco"), Kenosha, Wis.
Glauber Brass Mfg. Co., 49th & Superior av, N E, Cleveland, O.
*See adv index at end of book*
Hoffmann & Billings Mfg. Co. ("H. & B." with Trap), 100 2nd, Milwaukee, Wis.
Ireland & Matthews Mfg. Co., Beach & Chatfield, Detroit, Mich.
Kretschmer Mfg. Co., Dubuque, Ia.
McDonald A. Y. Mfg. Co. (With Trap), Dubuque, Ia.
Morency-Van Buren Mfg. Co., Sturgis, Mich.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Rundle Mfg. Co., 27th & Wahl, Milwaukee, Wis.
Speakman Supply & Pipe Co. ("Speakman" Bath Waste), Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Tindersen & Kropf Mfg. Co. ("F. & K."), (By-Pass), 2559 W 21st, Chicago, Ill.
Trenton Brass & Machine Co., Trenton, N. J.
Weiskittke A. & Sons, 12th & Lombard, Baltimore, Md.
Wise J. B. Inc. (For Bath Tubs), Watertown, N. Y.
Wolverine Brass Works (With Trap), Grand Rapids, Mich.

## 16666-7— Watch Case Mfrs.

American Watch Case Co., 15 Maiden la, New York
Dubois Watch Case Co., 316 Herkimer, Brooklyn, N. Y.
Dueber Watch Case Mfg. Co., Canton, O.
Fahys Joseph & Co., 17 Maiden la, New York
Gruen D. Sons & Co., McMillan & Iowa, Cincinnati, O.
Illinois Watch Case Co., Elgin, Ill.
Keystone Watch Case Co., 1411 Walnut, Phila., Pa.
North American Watch Co. (Gold, Silver & Gold Filled), Mansfield, O.
Queen City Watch Case Mfg. Co., Cincinnati, O.
Roy Watch Case Co., 81 Prospect, Brooklyn, N. Y.
Solidarity Watch Case Co., 242 Chestnut, Brooklyn, N. Y.
Star Watch Case Co., Ludington, Mich.
Wadsworth Watch Case Co., Dayton, Ky.
Western Watch Case Mfg. Co., 29 E Madison, Chicago, Ill.

## Watch Crystals

See Crystals, Watch

## 16668-9— Watches

See also Watch Case Mfrs.

Burlington Watch Co., 19th & Marshall blvd, Chicago, Ill.
Elgin National Watch Co., 10 S. Wabash av, Chicago, Ill.
Green Watchmakers Guild, Lime Hill, Cincinnati, O.
Hamilton Watch Co., Lancaster, Pa.
Hampden Watch Co., Canton, O.
Howard E. Watch Works, Waltham, Mass.
Ingersoll R. H. & Bro., 315 4th av, New York
Knickerbocker Watch Co., Woolworth bldg, New York
New Haven Clock Co., New Haven, Conn.
New York Standard Watch Wks., 403 Communipaw av, Jersey City, N. J.
North American Watch Co., Mansfield, O.
Rockford Watch Co., Elgin, Ill.
Waltham Watch Co., Waltham, Mass.

## Watchman's Time Detectors

See Clocks, Watchman's; also Recorders, Time

## 16670—Water Bottles (Rubber)

Ajax Rubber Co., 220 W 57th, New York
Bailey C. J. & Co., 22 Boylston, Boston, Mass.
Canton Rubber Co., Canton, O.
Davidson Rubber Co., Boston, Mass.
Davol Rubber Co., 69 Point, Providence, R. I.
Faultless Rubber Co., Ashland, O.
Goodrich B. F. Co., Akron, O.
Hodgman Rubber Co. (Lightweight Rubber Insertion), 8 W. 40th, New York
Miller Rubber Co., Akron, O.
Myers Mfg. Co., Fremont, O.
National India Rubber Co., Bristol, R. I.
Parker, Stearns & Co. ("Alpha"), 286 Sheffield av, Brooklyn, N. Y.
Rubber Products Co., Barberton, O.
Seamless Rubber Co., New Haven, Conn.
Star Rubber Co. ("Marco"), Akron, O.
Tyer Rubber Co., Andover, Mass.
Whithall, Tatum Co., 410 Race, Phila., Pa.

## 16671— Water Closet Mfrs.

Aird-Don Co., Troy, N. Y.
Alberne Stone Co., 223 23d, New York
American Sanitary Works ("B. O. T."), Washington, N. J.
Automatic Chemical Closet Co. ("Auto-Kem-Clo," Vitreous China, Chemical), 1417 Wash. av, Minneapolis, Minn.
Barrett Jas. Mfg. Co. ("Empress," "Congress," "Duke," "Emperor," "Duchess," "Korka," "Lion," "Tudor," "Princely" & "Clio"), 117 Pearl, Boston, Mass.
Blessing C. A., 516 Montgomery av, Phila., Pa.
Bowser Sanitary Mfg. Co., Lafayette Ind.
Cahill Iron Works, Chattanooga, Tenn.
Camden Pottery Co. ("Inandia" Silent Action), Camden, N. J.
Central Metal & Supply Co. ("Cemco," "Clio," "Flora," "Iris" & "Pluvius"), 611 E Lombard, Baltimore, Md.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Columbus Brass Co. ("Met-All"), 538 Dublin av, Columbus, O.
*See adv index at end of book*
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.
Dayton Mfg. Co. (R. R. Car), Dayton, O.
Dececo Co., 157 High, Boston, Mass.
Detroit Plumbing Supply Co., 617 Mack av, Detroit, Mich.
Douglas John Co., Carthage, Cincinnati, O.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Fisher E. W. Co., 811 Superior av, N E Cleveland, O.
Fleck Bros. Co., 44 N 5th, Phila., Pa
Fords Porcelain Works, Perth Amboy, N. J.
Fort Pitt Supply Co., 332 2d av, Pittsburgh, Pa.
Gaylord Sanitary Mfg. Co. ("Auto-Silent"), El Dorado, Texas
Haas Philip Co. ("Haas" Frost Proof), Dayton, O.
Haines Jones & Cadbury Co. ("Frosto," Frost Proof), 1136 Ridge av, Phila., Pa.
Hercules Iron & Supply Co., 473 Atlantic av, Boston, Mass.
Hess Chas. Co. ("Hess" for Export), 96 Wall, New York
Hussey W. H. & Son, 148 W 35th, New York
Imperial Brass Mfg. Co. ("Watrous" Duojet), 524 S Racine av, Chicago, Ill.
*See adv index at end of book*

WATROUS DUOJET CLOSETS
THE IMPERIAL BRASS MFG. CO.
CHICAGO

Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
Jackson Potteries Co. ("Ultimate"), Fulton bldg, Pittsburgh, Pa.
Kelly Thos. & Bros. (Self-Acting & "Kelly" Seat Action), 404 S Kolmar av, Chicago, Ill.
Kline M. L. Co. ("Epulso"), 84 Front, Portland, Ore.
Kohler Co. (Enameled Iron), Sheboygan, Wis.
Kretschmer Mfg. Co., Dubuque, Ia.
McCambridge Co., 315 N 20th, Phila., Pa.
Maddock's Thos. Sons Co., Trenton, N. J.
Meyer-Sniffen Co, 11 W 36th, New York
Mott J. L. Iron Works, Trenton, N. J.
Nason Mfg. Co., 71 Fulton, New York
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo
Nunn Brass Works ("Genesee" Automatic), Rochester, N. Y.
Pacific Sanitary Mfg. Co., 67 New Montgomery, San Francisco, Cal.
Park & McKay, 55 Bagley av, Detroit, Mich.
Peck Bros. & Co. (Combination), New Haven, Conn.
Peerless Selling Co., Evansville, Ind.
Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
Prier Brass Mfg. Co. ("Standard"), Kansas City, Mo.
Rumsey L. M. Mfg. Co., 4372 Westminster, St. Louis, Mo.
Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
Sanitas Mfg. Co. ("Regal," "Crown," "Easton," "Hub," "Rex," "Rex-Crescent," "Kineo"), 105 Washington, Boston, Mass
Sherwood Brass Wks. ("Maxco" Seat Operated), Detroit, Mich.
Simmons John Co., 110 Centre, New York
*See adv index at end of book*
Speakman Supply & Pipe Co., Wilmington, Del.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
Teachen Jas. M., 43 Fort W Detroit, Mich. Penn & 32nd, Pittsburgh, Pa.
Trenton Potteries Co., Trenton, N. J
Van Arnam Mfg. Co., ("Van-Ar-Co" Low-Down & High Tank Combination), Fort Wayne, Ind.
Vannevar Edmund B. & Co. (Yacht), 85 Atlantic av, Boston, Mass.
Walker Mfg. & Supply Co., Shelby & Woodbridge, Detroit, Mich.
Walls Owen & Stambach Co., ("Naturo"), 11th & Hamilton, Phila., Pa.
Weiskittel A. & Son Co., 12th & E Lombard, Baltimore, Md.
Wheeling Sanitary Mfg. Co., ("Clean-Out"), Wheeling, W. Va.
Wolf Mfg. Co., 255 N Hoyne av, Chicago, Ill.
Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

## 16672—Water Closet Range

See also Water Closets, School, Institution, etc.

Clow James B. & Sons (Syphon Jet), Franklin & Harrison, Chicago, Ill.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Haines, Jones & Cadbury Co. ("Syphon," "Education," "Brighton"), Open Range and Washout), 1136 Ridge av, Phila. Pa.
Hyde, Clinton, 592 Clinton av, Albany, N. Y.
Illinois Malleable Iron Co., 1801 Diversey boul, Chicago, Ill.
Lewis & Davis, 412 E 31st, Kansas City, Mo.
Millar Chas. & Son Co. (Washout & Syphon), Utica, N. Y.
Mott J. L. Iron Works, Trenton, N. J.
Nelson N. O. Mfg. Co. (Pneumatic Syphon Hopper Latunes), 10th & Chestnut, St. Louis, Mo.
Standard Sanitary Mfg. Co. (Automatic Syphon Jet), Bessemer bldg., Pittsburgh, Pa.

## 16673—Water Closets (Anti-Freezing)

Dayton Mfg. Co., Dayton, O.
Haas Philip Co. ("Haas"), Dayton, O.
Haines Jones & Cadbury Co. ("Frosto"), 1136 Ridge av, Phila., Pa.
I. X. L. Pump & Mfg. Co. ("I. X. L."), Automatic Low Down), 957 N 9th, Phila., Pa.
Kelly Thos. & Bros. ("Kelly" Seat Action after Flush), 404 S Kolmar av, Chicago, Ill.

Nelson N. O. Mfg. Co., 10th & Chestnut St. Louis, Mo.
Pittsburgh Brass Mfg. Co. ("Pittsburgh"), Penn & 32d, Pittsburgh, Pa.
Prier Brass Mfg. Co. ("Standard"), Kansas City, Mo.
Raub Supply Co., Lancaster, Pa.
Vogel Joseph & Co., 1203 Lombard, Wilmington, Del.
Walls, Owen & Stambach Co., 11th & Hamilton, Phila., Pa.
**WEISKITTEL A. & SON CO.** ("Jack Frost"), 12th & E Lombard, Baltimore, Md.
Zero Valve & Brass Mfg. Co., Buffalo, N. Y.

## 16674—Water Closets (Car)

**Duner Co. ("Duner" Enameled Iron), 101** S Clinton, Chicago, Ill.

## 16675—Water Closets (Low-Down Combination)

American Sanitary Wks., Washington, N. J.
Becker Mfg. Co., Marietta, O.
Climax Sanitary Co. ("Maxco" Seat Operated), Detroit, Mich.
**Bowlus Mfg. Co. ("Jewel"), Springfield, O.**
Cooper Sanitary Mfg. Co., 34th & Chestnut, Phila., Pa.
Coyne & Delany Co., 832 Kent av, Brooklyn, N. Y.
**Dalton-Ingersoll Mfg. Co., 52 Chauncy, Boston, Mass.**
Detroit Plumbing Supply Co., 617 Mack, Detroit, Mich.
Douglas John Co., Carthage, Cincinnati, O.
Eblinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Fleck Bros. Co., 44 N 5th, Phila., Pa.
Fort Pitt Supply Co. ("Morus"), 332 2d av, Pittsburgh, Pa.
Haines Jones & Cadbury Co. ("Hojoca"), 1136 Ridge av, Phila., Pa.
Hogan Mfg. Co., 74 Grove, Hartford, Conn.
I. X. L. Pump & Mfg. Co. ("I. X. L." Anti-Freezing), 957 N 9th, Phila., Pa.
Kelly Thos. & Bros, 404 S Kolmar av, Chicago, Ill.
Kretschmer Mfg Co. ("Faultless" Double Flush), Dubuque, Ia.
McCambridge Co., 315 N 20th, Phila., Pa.
Mann Mfg. Co., 17 West Park Way, N S, Pittsburgh, Pa.
**Muchenhirm C. H. Closet Co., Detroit, Mich.**
**Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.**
**Peerless Selling Co., Evansville, Ind.**
**Pittsburgh Brass Mfg. Co. ("Bak-Push"),** Penn & 32nd, Pittsburgh, Pa.
**Quinn Mfg. Co., Detroit, Mich.**
**Raub Supply Co., Lancaster, Pa.**
Sherwood Brass Wks. ("Maxco" Seat Operated), Detroit, Mich.
Teahen Jas. M. ("Vitro"), 43 Fort, W. Detroit, Mich.
**Van Arnam Mfg. Co. ("Van-Ar-Co"), Fort Wayne, Ind.**
Weiskittel A. & Son Co., 12th & E Lombard, Baltimore, Md.

## 16676—Water Closets (School, Institution, Etc.)

See also Water Closet Range

Adee Fred Co., 3 Cliff, New York
Aird-Don Co., Troy, N. Y.
American Foundry & Furnace Co. (Iron Closet), Bloomington, Ill.
American Sanitary Works ("B. O. T."), Washington, N. J.
Automatic Chemical Closet Co. ("Auto-Kem-Clo." Vitreous China, Chemical), 1417 Wash. av, N Minneapolis, Minn.
Clow Jas. B. & Sons, Franklin & Harrison, Chicago, Ill.
Douglas Jno. Co., Carthage, Cincinnati, O.
Ebinger D. A. Sanitary Mfg. Co., 181 Lucas, Columbus, O.
Federal-Huber Co., 234 N Halsted, Chicago, Ill.
Kelly Thos. & Bros. ("Kelly" Seat Action), 404 S Kelmar av, Chicago, Ill.
Meyer-Sniffen Co., 11 W 36th, New York
Mott J. L. Iron Works, Trenton, N. J.
Nelson N. O. Mfg. Co., 10th & Chestnut, St. Louis, Mo.
Raub Supply Co., Lancaster, Pa.
Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
**Van Arnam Mfg. Co. ("Van-Ar-Co"), Fort Wayne, Ind.**
**Vogel Joseph & Co., Wilmington, Del.**

## 16677—Water Closets (Ship)

**Bishop's Wm. Sons, 18 James, New York**
**Curtiss J. H. Co., 2 South, New York**
Jenkins Mfg. Co., Bloomfield, N. J.
**Kelly Thos. & Bros., 404 S Kolmar av,** Chicago, Ill.
Mott J. L. Iron Works, Trenton, N. J.
National Gauge Co., 300 Pacific, Brooklyn, N. Y.
**Sands Alfred B. & Son Co., 20 Vesey, New York**
**Webb F. W. Mfg. Co., 56 Elm, Boston, Mass.**

## 16678—Water Columns or Stations (Railroad)

See also Tanks & Towers, Steel; also Cranes Locomotive Water

American Valve & Meter Co. ("Poage's"), Cincinnati, O.
**CHICAGO BRIDGE & IRON WORKS,** 1319 W 105th, Chicago, Ill.
*For branch offices see adv index at end of book*
Columbiana Boiler Co., Columbiana, O.
**Fairbanks, Morse & Co. ("Sheffield," Automatic), 900 S Wabash av, Chicago, Ill.**
**Kalamazoo Railway Supply Co., Kalamazoo, Mich.**
Nelson Joseph E. & Sons, 3240 S Michigan av, Chicago, Ill.
**PITTSBURGH-DES MOINES STEEL CO.,** 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**Snow T. W. Construction Co. (Engineers & Bldrs.), 117 N Dearborn, Chicago, Ill.**
**U. S. Wind Engine & Pump Co., Batavia, Ill.**

## 16679—Water Columns (Plain)

**American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.**
**Bordo L. J. Vo. (Inc.), ("Bordo"), 12th & Thompson, Phila., Pa.**
**Buckeye Iron & Brass Works, Dayton, O.**
**Crane Co. (Est. 1855), 836 So Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
**Haydenville Co., Haydenville, Mass.**
**Kelly & Jones Co., 135 Water, Pittsburgh, Pa.**
Lonergan J. E. Co., 211 Race, Phila., Pa.
**LUNKENHEIMER CO.,** Executive Offices & Factories: Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**McNab & Harlin Mfg. Co. (Steam & Water Gauge), 55 John, New York**
**National Tube Co., Frick bldg, Pittsburgh, Pa.**
**Pittsburgh Valve & Fittings Co., Frick bldg, Pittsburgh, Pa.**
**Powell Wm. Co., Cincinnati, O.**
*See adv index at end of book*
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
**Steigert L. Co., Logan & Elder, Cincinnati, O.**
**Walworth Mfg. Co., Boston, Mass.**

## 16680—Water Columns (Safety)

**American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.**
**Berry Engng. Co. ("Berry"), Chester, Pa.**
**Binghamton Machine Works ("Turner"), Binghamton, N. Y.**
**Buckeye Iron & Brass Works, Dayton, O.**
**Collins Mfg. Co. (Ltd.), 612 Chestnut, Phila., Pa.**
**Crane Co. (Est. 1855), 836 S Michigan av, Chicago, Ill.**
*For branch offices see Alphabetical Section*
**Jarvis Engine & Machine Works ("Jarvis," "Our Pet"), Lansing, Mich.**
**Kelly & Jones Co. (Combination), 135 Water, Pittsburgh, Pa.**
**Kitts Mfg. Co., Oswego, N. Y.**
**Lawler Regulator Co., 55 W Houston, New York**
**Lonergan J. E. Co., 211 Race, Phila., Pa.**
**LUNKENHEIMER CO.** ("Vigilant" Combination), Executive Offices & Factories Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
**Nason Mfg. Co., 71 Fulton, New York**
**Pittsburgh Gage & Supply Co. ("Pittsburgh"), 30th & Liberty av, Pittsburgh, Pa.**
**Powell Wm. Co., Cincinnati, O.**
*See adv index at end of book*
**Reliance Gauge Column Co. ("Reliance"), Cleveland, O.**
**"S. C." REGULATOR MFG. CO.,** Fostoria, O.
**Steigert L. Co. ("Sims," "U. S." Water Indicator), Logan & Elder, Cincinnati, O.**
**Williams Gauge Co. ("Williams" High & Low Alarm), 543 4th av, Pittsburgh, Pa.**
**Wright-Austin Co ("Wright"), 97 Woodbridge W, Detroit, Mich.**

## 16681—Water Cooling Apparatus

Baker Ice Machine Co., Omaha, Neb.
Blaw-Knox Co, Freeport rd, Hoboken, Pa.
Cooling Tower Co., Inc., 15 John, New York
**Wheeler C. H. Mfg. Co., Lehigh & 18th, Phila., Pa.**

## 16681a—Water Cooling Towers

Cooling Tower Co., Inc., 15 John, New York

## 16682—Water Distilling Apparatus

Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
**GRISCOM-RUSSELL CO.,** 92 West, New York *See adv index at end of book*
**Jewell Polar Co., 24 S Clinton, Chicago, Ill.**
**Standard Water Systems Co. ("Tripure"), Hampton, N. J.**
United Iron Works, Inc., Kansas City, Mo.

## 16683— Water Gas Apparatus

**GAS ENGINEERING CO.** (Blue), Trenton, N. J. *See adv index at end of book*
Improved Equipment Co. (Blue Water Gas Plants for Industrial Plants), 60 Wall, New York
Koppers Co., Union Arcade, Pittsburgh, Pa.
**WESTERN GAS CONSTRUCTION CO.** (Plants for Industrial Plants), Fort Wayne, Ind.

## Water Gates

**See Valves, Gate, for Water Mains**

## 16683a—*Waterproof Cloth

Stanley Wm. W. (Also Fireproof), 50 Church, New York

## 16684—Waterproof Wrapping (Cloth Lined)

**Angier Mills ("Keepdry"), Ashland, Mass.**

## 16685—Waterproofing (Boot, Shoe or Leather)

Commercial Chemical Co. ("X. L. N. C."), 212 Essex, Boston, Mass.
Viscol Co., Cambridge, Mass.

## 16686—Waterproofing (Cloth)

Bendus J. V. & Co., 17 South, New York
Fulton Bag & Cotton Mills, Atlanta, Ga.
Lehon Co., 4451 S Oakley av, Chicago, Ill.
*See adv index at end of book*
**PRICE FIRE & WATERPROOFING CO.** ("Price" Fabrics of all Kinds), Poughkeepsie, N. Y.
Stowe & Woodward Co., Brockton, Mass.

## Waterproofing Compounds

See Waterproofing Materials

## 16687—Waterproofing Materials

See also Paints, Damp Resisting

Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
**American Chemical & Mfg. Co. ("Hippo"),** 617 Monticello, av, Norfolk, Va.
American Cold Japan Co. (Paint), Pittsburgh, Pa.
American Mfg. Co. ("Conrad's" Concrete & Cement), 114 Plymouth av N, Minneapolis, Minn.
American Roofing Co. (Paint), Kansas City, Mo.
American Wood Preserving Co. ("Antiseptine," "Darnk Dam" Brick & Stone), 1351 N Branch, Chicago, Ill.
Antakwa Co. ("Antakwa," Colorless), 133 W Washington, Chicago, Ill.
Anti-Hydro Waterproofing Co. ("Anti-Hydro"), 9 Orchard, Newark, N. J.
Anti-Stick Co. ("Anti-Damp"), Westerville, O.

WATERPROOFING MATERIALS—cont.

Antox Paint Co. (Paint), Indianapolis, Ind.
Aquabar Co. ("Aquabar"), 844 Widener bldg, Phila., Pa.
Arco Co., Euclid av & E 65th, Cleveland, O.
Arlington Mfg. Co., Canton, O.
Atlas Co. (Damp Proofing Compounds), Lincoln, N. J.
**Barber Asphalt Paving Co. ("Positive Seal"), Land Title bldg, Phila., Pa.**
**Barrett Co. ("Hydronon" Paint), 17 Battery pl, New York**
Becker-Moore Paint Co. (Paint), 2d & Soulard, St. Louis, Mo.
Billings Chapin Co. ("Driwal"), 1163 E 40th, Cleveland, O.
**BINSWANGER B. & CO. (Paint), 329 N 3d, Phila., Pa.**
**Bird & Son ("Neponset," "Parine" Paint),** East Walpole, Mass.
Bitu-Mortar Waterproofing Co. (Cement Products), 332 E 27th, New York
Blood T. L. & Co. ("Blood's" Cement-Concrete Coating), **413 Waeouta, St.** Paul Minn.
Boydell Bros. White Lead & Color Co. (Paint), 40 E Lafayette, Detroit, Mich.
Byerly & Sons ("Byerlyte"), **2489 W 4th,** Cleveland, O.
Cabot Sam'l (Inc.) (Brick, Stone & Cement), 141 Milk, Boston, Mass.
Canfield Oil Co., 3210 E 55th, Cleveland, O.
**Carey Philip Mfg. Co. ("Feltex," Asphalt** Saturated Felt; "Manco," **Asphalt Cement;** "Combo," **Asphalt Cement;** "Percoproof"), **330 Wayne av, Lockland, Cincinnati, O.**
Century Mfg. Co. ("Century"), 272 W Genesee, Buffalo, N. Y.
Ceresit Waterproofing Co. ("Ceresit"), Westminster bldg, 110 S Dearborn, Chicago, Ill. *See adv index at end of book*


PROTECTIVE PRODUCTS

Waterproofing, waterproof cemented brick paint, industrial enamel, concrete floor hardener, and damp-proofing.

These materials described fully in our specification folio covering the use of Ceresit Protective Products for building construction.

**Ceresit Waterproofing Company**
**921 Westminster Bldg. Chicago**


Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
Chemical Products Co., 30 Charles River rd, Boston, Mass.
Chatfield Mfg. Co. ("Carbo" Black Enamel, Paint), Carthage, Cincinnati, O.
Chesapeake Oil Co. (Paint), Ostend & Leadenhall, Baltimore, Md.
Commercial Chemical Co. ("X. L. N. C."), 212 Essex, **Boston, Mass.**
**CONCRETE WATERPROOF PAINT CO.** (Colorless Liquid Compound, "Kling Koat" Coating, "Hydroseal" Dampproofing), 329 N 3d, Phila., Pa. *See adv index at end of book*
Continental Products Co., Quebec av, Cleveland, O.
Detroit Graphite Co. ("Anti-Aqua"), 10 12th, Detroit, Mich.
**Devoe & Raynolds Co. Inc., ("Devoe"), 101 Fulton, New York** *See adv index at end of book*
Dexter Bros. Co. ("Petrifax" Damp Resisting Coating), 105 Broad, Boston, Mass.
Doggett Stanley (For Cement Work), 11 Cliff, New York
Elaterite Paint & Mfg. Co. ("Des Moines Elaterite" Cement), Des Moines, Ia.
Flexible Compound Co., 3607 Haverford av, Phila., Pa.
**Flexner-Taylor Co., Ltd. ("Taylor Hydre-Litic"), 786 East B'way, South Boston, Mass.**
Flexol Co. ("Flexol"), 55 Liberty, New York
Flintkote Co. ("Plastic"), **88 Pearl, Boston, Mass.**
Forest City Paint & Varnish Co. (Paint), 3334 Lakeside av, Cleveland, O.
Fort Pitt Oil & Paint Co. (Paint), 3206 Penn av, Pittsburgh, Pa.
French Sam'l H. & Co. (Paint), 4th & Callowhill, Phila., Pa.
Fulton Bag & Cotton Mills, Atlanta, Ga.
Garden City Sand Co. (Paint Dealers), Chamber of Commerce bldg, Chicago, Ill.
General Fireproofing Co., Youngstown, O.
Glidden Co. ("Glidden's" Waterproof Concrete & Cement Floor Dressing), Madison av & Berea rd, Cleveland, O.
**Grote Geo. W. & Co., 430 E 102nd, New** York
Heath & Milligan Mfg. Co. (Cement Coating), 1833 Seward, Chicago, Ill.
Hercules Waterproof Cement Co. ("Hercules," Compound for Tunnels, Roofs, etc.), Buffalo, N. Y.
Hettrick Mfg. Co., Toledo, O.
**Horn A. C. Co. (Symentrex & Dehydrating),** Horn bldg, Long Island City, N. Y.
**Hydrated Lime Bureau, Arrott bldg, Pittsburgh, Pa.**
Hydrex Felt & Engineering Co. ("Hydrex" Felt, Cloth & Burlap), 120 Liberty, New York
Hydro Damp-Proofing & Eng. Co., Pittsburgh, Pa.
Imperial Paint Co. ("Impaco"), 80 10th, Long Island City, N. Y.
Imperial Water Proof Co. ("I. W. P." Compounds), 105 W. Monroe. Chicago, Ill.
Insulation Co. Inc. (A compound for any purpose), 190 Culver av, Jersey City, N. J.
**Insulite Chemical Co. ("Insulite"), Aurora, Ill.**
Integral Waterproofing Co. ("Integral" for Cement), 80 Front, New York
Ironite Co. ("Ironite" for Concrete, Brick & Stone), **111 W Wash. Chicago, Ill.**
Jamestown Paint & Varnish Co. ("Aqua-Nit"), Jamestown, Pa.
Johns-Manville H. W. Co. ("Aquadam" Felts, Fabrics, Cement Coatings, etc), Madison av & 41st, New York
**Lamson John S. & Bro., 347 Madison av,** New York
Lehon Co. (Paint), 4451 S Oakley, Chicago, Ill. *See adv index at end of book*
**Lowe Bros. Co. (Paint), Dayton, O.**
McHenry-Millhouse Mfg. Co. (Paint), South Bend, Ind. & Fulton, N. Y.
**Masonry Waterproofing Co. (Larutan System), 307 Herkimer, Brooklyn, N. Y.**
Minwax Co. ("Minwax"), 18 E 41st, New York
Mitchell-Rand Mfg. Co., 18 Vesey, New York
**Monarch Paint Co. (Paint), W 70th, Cleveland, O.**
Monitor Oil Co. ("Ferro Tex"), Cleveland, O.
**Mound City Paint & Color Co. (Paint), 11th & Mullanphy, St. Louis, Mo.**
**Munns E. A. Kalsomine Co. (Paint), 217 Fulton, Brooklyn, N. Y.**
**National Roofing Co. ("Retaw," "Stuckote"), Tonawanda, N. Y.**
**Neuchatel Asphalte Co., 79 Tompkins,** New York
**Nevin T. H. Co. (Paint), Island & Preble, Pittsburgh, Pa.**
New Jersey Paint Works (Paint) (Louderbough, Hy, Prop), **Wayne, Jersey City, N. J.**
North Jersey Paint Co. ("Edison" Paint), Stewartville, N. J.
**Ohmiac Mfg. Co. (Paint), 140 S Dearborn,** Chicago, Ill.
**PARKER C. H. CO.,** Valparaiso, Ind. *See adv index at end of book*
**Parker, Preston & Co. (Brick & Stone),** Norwich, Conn.
Patton Paint Co. ("Cementhide"), Milwaukee, Wis.
Pioneer Asphalt Co., Lawrenceville, Ill.
Preservative Products Co. ("Esco," 1133 B'way, New York
**Price Fire & Water-Proofing Co. ("Price" for Fabrics, also for Cement, Concrete & Brick), Poughkeepsie, N. Y.**
Protexol Corp, 41 Barclay, New York
Richmond Bros. ("Cemeline"), 616 Main, Cincinnati, O.
Rinald Bros. (Paint), 1142 N Hancock, Phila., Pa.
Robeson Preservo Products Co. ("Preservo"), Port Huron, Mich.
Sandusky Cement Co. ("Medusa" Cement), Engineers' bldg, Cleveland, O.
Sandusky Cement Co. ("Medusa"), Engineers' bldg, Cleveland, O.
Schwenker W. M. (Compounds), **342 E 92d,** New York
**Semet-Solvay Co. ("Solvay," Concrete** Coating), Syracuse, N. Y.
Sherwin-Williams Co. (Paint), Cleveland, O.
Sicilian Asphalt Paving Co. ("Siastex," An Asphalted Textile), 41 Park row, New York
**Sonneborn L. Sons ("Cemcoat," "Hydrocide," Damp Proofing), 262 Pearl, New** York
Southwestern Paint & Varnish Co. (Paint), Kansas City, Mo.
Standard Paint Co. ("Impervite"), **233** Broadway, New York
Storm Waterproofing Corp. (Watertite Paste"), 417 5th av, New York
Street J. D. & Co. (Paint), 41st & Park St. Louis, Mo.
Suydam M. B. Co. (Paint), 61st & Butler, Pittsburgh, Pa.
Texas Company ("Texaco"), 17 Battery pl, New York *See adv index at end of book*
Thompson & Co. (Bondkote"), 857 W North av, N S, Pittsburgh, Pa.
**THOMSON WOOD FINISHING CO.,** (Concrete Waterproof Paints), 329 N 3d, Phila, Pa. *See adv index at end of book*
Thurston F. W. Co., 1832 S Clark, Chicago, Ill.
Toch Bros. ("Toxemont," Powder, and Self-Healing Bridge Cement, **320 5th** av, New York
Tropical Paint & Oil Co. ("Tropical" Paint), W 70th, Cleveland, O.
Trus-Con Laboratories (For Brick, Cement, etc.), Caniff & Grant R. R., Detroit, Mich.
U. S. Gutta Percha Paint Co. (Paint), 12-30 Dudley, Providence, R. I.
Universal Coatings Corp. ("Maritimo"), 114 Broad, New York
Vitrifix Co. ("Dehydratine" & **Symentrex" Liquid Concrete), 133 W Washington, Chicago, Ill.**
Wadsworth, Howland & Co. ("Bay State" Brick & Cement Coating), **141 Federal,** Boston, Mass.
Waterproof Paint Co. (Paint), Watertown, Mass.
Waterproofing Co. (For Cellar, Subways, Reservoirs, Tunnels, etc), **345 E 33d,** New York
Western Elaerite Roofing Co., Denver, Colo.
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa. *See adv index at end of book*
**Wolf-Jacques & Co., Passaic, N. J.**
Zibell Damp Resisting Paint Co. ("Alkacene" Waterproof Portland Cement, Liquid Concrete, Lime, Mortar & Plaster), 191 Culver av, Jersey City, N. J.

## 16687a—Waterproofing Materials (For Concrete)

American Mfg. Co., Plymouth av, N, Minneapolis, Minn.
Arabol Mfg. Co., 100 William, New York
Horn A. C. Co., Horn bldg, Long Island City, N. Y.
Ironite Co., 111 W Wash, Chicago, Ill.
Price Fire & Water Proofing Co., Poughkeepsie, N. Y.
Standard Paint Co., 233 B'way, New York
Thompson Wood Finishing Co., 329 N 3rd, Phila., Pa. *See adv index at end of book*
Toch Bros., 320 5th av, New York
Warren Chemical & Mfg. Co., 17 Battery pl, New York

## 16688—Water Purifying & Filtering Apparatus

**Devine J. P. Co., Buffalo, N. Y.**
Goulds Mfg. Co., Seneca Falls, New York *See adv index at end of book*
Graver Corp., East Chicago, Ind. *See adv index at end of book*
**GRISCOM-RUSSELL CO.,** 92 West, New York *See adv index at end of book*
Hill Pump Valve Co., 4001-21 Belmont av, Chicago, Ill.
**International Filter Co., 38 S Dearborn** Chicago, Ill.
Jewell Polar Co., 24 S Clinton, Chicago, Il
New York Continental Jewell Filtration Co., Nutley, N. J.
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York *See adv index at end of book*
**Standard Water Systems Co. ("Tripure")** Hampton, N. J.

# Water Softening and Purifying Equipment

# GRAVER Corporation

(WM. GRAVER TANK WORKS FOUNDED 1857)

*Steel Tanks and General Steel Plate Construction*
*Water Softening and Purifying Equipment*

East Chicago, Indiana

Every type and size of water filter, softener and heater—seven in all—is manufactured complete in our own plant at East Chicago, Ind. These types include: Hot Process Water Softeners, Intermittent Water Softeners, Cold Continuous Water Softeners, Zeolite Water Softeners, Pressure Filters, Gravity Filters and Hot Water Service Heaters.


## 16689—Water Softening & Purifying Apparatus

**American Water Softener Co.** ("American"), 10th & Chestnut, Phila., Pa.
**Compound Injector & Specialty Co.** ("Rehn's" for Water Backs, Coils, Heaters, etc), 419 N Laramie av, Chicago, Ill.
**Des Moines Refining Assay Co.**, Des Moines, Ia.
**Dodge Sales & Engineering Co.** ("Eureka"), Mishawaka, Ind.
**Dover Boiler Works (To Order).** Sales Office: 40 Church, New York. Works: Dover, N. J. *See adv index at end of book*
**GRAVER CORP.** ("Bartlett Graver"), East Chicago, Ind. *See adv index at end of book*
**Hammond Engineering Co., Warren, Pa.**
**Harrison Safety Boiler Works** ("Cochrane"), 3147 N 17th, Phila., Pa.
**Hungerford & Terry** ("Hungerford"), Penna. bldg, Phila., Pa.
**International Filter Co.** (Feed Water), 38 S Dearborn, Chicago, Ill.
**Jewell Polar Co.**, 24 S Clinton, Chicago, Ill.
**Leigh & Butler** ("Archbutt-Deeley" System), 232 Summer, Boston, Mass.
**New York Continental Jewell Filtration Co.**, Nutley, N. J.
**Northern Water Softener Co.**, Madison, Wis.
**Patterson D. W.** ('Bachman"), Harrison blk, Phila., Pa.
**Permutit Co.**, 440 4th av, New York
**Pittsburgh Filter Mfg. Co., Farmer's Bk bldg, Pittsburgh, Pa.**
**Power Plant Specialty Co.** ("Vater" Hot Process), Monadnock blk, Chicago, Ill.
**Refinite Co.**, Omaha, Nebr.
**Reisert Automatic Water Purifying Co.**, 23 E 26th, New York
**Richmond Water Softener Co.** ("Fetta"), Hot or Cold Process, also for Domestic Use), Richmond, Ind.
**Roberts Filter Mfg. Co., Darby, Pa.**
**Russell-Kinkaid Co.**, 140-146 W Austin av, Chicago, Ill.
**SCAIFE WM. B. & SONS CO.** ("Scaife" & "We-Fu-Go" Systems), First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
**Snow T. W. Const. Co.** (Engineers & Bldrs), 117 N Dearborn, Chicago, Ill.
**Standard Water Systems Co.** "Tripure"), Hampton, N. J.
**Wallace & Tiernan Co., Inc.**, 349 B'way, New York

## Water Stations (Railroad)

See Water Columns or Stations, Railroad

## Water Supply (Air Pressure)

See Lifts, Air; also Pneumatic Water Supply Systems

## 16690—Water Supply Systems

**Baltimore Cooperage Co.**, Ostend & Leadenhall, Baltimore, Md.
*See adv index at end of book*
**Burnett-Larsh Mfg. Co.** ("Duro"), Dayton, Ohio
**Chicago Pump Co.** (Automatic Electric Pneumatic For Domestic Water Supply), 2342 Wolfrom, Chicago, Ill.
*See adv index at end of book*
**Dayton Pump & Mfg. Co., Dayton, O.**
**DEMING CO.** ("Atlas," "Marvel," "Climax"), Salem, O.
*See adv index at end of book*
**Domestic Engine & Pump Co., Shippensburg, Pa.**
**Economy Pumping Machinery Co.** (Automatic Electric), 112 Curtis, Chicago, Ill.
**Foos Gas Engine Co., 800 Monroe, Springfield, O.**
**Ft. Wayne Engng. & Mfg. Co.** ("Paul"), Ft. Wayne, Ind.
**Goulds Mfg. Co.**, Seneca Falls, New York
*See adv index at end of book*
**Harris Pump & Supply Co., 320 2d av. Pittsburgh, Pa.**
**Kalamazoo Pump Co.**, Kalamazoo, Mich.
**Kewanee Private Utilities Co.** "Kewanee," Pneumatic), West Side, Kewanee, Ill.
**Leader Iron Works**, Decatur, Ill.
**Milwaukee Air Power Pump Co.**, 886 3rd, Milwaukee, Wis.
**Murphy & Walsh**, Pekin, Ill.
**MYERS F. E. & BRO.** ("Myers," "Myers Hydro-Pneumatic," "Myers Electric" Electric House & "Myers" Self Oiling Power Water Systems), 900 Fourth, Ashland, O. *See adv index at end of book*
**Pittsburgh-Des Moines Steel Co.**, 4th & Ross, Pittsburgh, Pa.
*See adv index at end of book*
**Sloan Sam'l & Co.** ("Sloan's Superior"), Rochester, N. Y.
**Southern Auto & Machinery Co.**, 116 Roberts av, St. Louis, Mo.
**Standard Pump & Engine Co.** ("Standard" Pumping Engines), Akron, O.
**Swanstrom Mfg. Co.**, Hammond, Ind.
**Termaat & Monahan Mfg. Co., Oshkosh, Wis.**
**Vaile-Kimes Co.**, Dayton, O.
**Weber Subterranean Pump Co.** ("Weber" Compressed Air System Operated), 50 E 42d, New York

## 16691—Water Towers (Fire Boat)

**Woodhouse Mfg. Co.** ("Woodhouse"), 64 W B'way, New York

## 16692— Water Wheels

See also Turbine Water Wheels

**Blymyer Iron Works Co.** (Over Shot), Cincinnati, O.
**Fitz Water Wheel Co., Hanover, Pa.**
**Hallidie Company**, Spokane, Wash.
*See adv index at end of book*
**Knight & Co.** (100 to 2,500 H. P.), Sutter Creek, Cal.
**Leffel Jas. & Co.**, East St. Springfield, Ohio
**Pelton Water Wheel Co.**, 19th & Harrison, San Francisco, Cal., & 90 West, New York
**Salem Fdry & Machine Works, Salem, Va.**
**Savage W. J. Co.**, Knoxville, Tenn.
**SMITH S., MORGAN CO.** ("Smith," "McCormick" & "Success"), York, Pa.
*See adv index at end of book*
**Trump Mfg. Co.**, Springfield, O.
**Tuerk Water Motor Co.**, 172 W Washington, Chicago, Ill.
**United Iron Works** ("Tuthill"), Oakland, Cal.
**Walker Mfg. Co.** ("Pelton" Type), Denver, Col.
**Wellman-Seaver-Morgan Co.**, Cleveland, O.
*See adv index at end of book*
**Wolf Co.** ("Wolf," "Kelser"), Chambersburg, Pa.
**Worthington Pump & Machinery Corp.**, 115 Broadway, New York
*See adv index at end of book*

## 16692a—*Water Works Supplies

See also Gas & Water Work Supplies

**S. E. T. Valve & Hydrant Co.**, 56 Church, New York *See adv index at end of book*

## 16692b—Watertight Bells, Buzzers & Push Buttons

**MANHATTAN ELECTRICAL SUPPLY CO.**, 17 Park pl, New York
*See adv index at end of book*

## 16693—*Watthour Meters (Prepayment, Recording)

**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 16694— Wattmeters

**BRISTOL CO.** ("Bristol's" Recording), Waterbury, Conn.
*See adv index at end of book*
**Duncan Electric Mfg. Co.** ("Duncan" Direct & Alternating Current), Lafayette, Ind.
**Du Vivier Ernest H.** (Imp) (Dial & Recording), 30 Church, New York
**Esterline Co.** ("Esterline," Recording), Indianapolis, Ind.
**Federal Electric Co.** ("Willis"), 625 W Lake, Chicago, Ill.
**Fort Wayne Electric Works of General Electric Co.** (Induction), Fort Wayne, Ind.
**GENERAL ELECTRIC CO.** ("Thomson," "Wright"), Schenectady, N. Y.
*See adv index at end of book*
**Helio Mfg. Co.** ("Bastian," Electrolytic Meter), 2530 N Broad, Phila., Pa.
**Hoskins Mfg. Co.**, 453 Lawton, Detroit, Mich.
**Kilo Electric Meter Co.** ("Kilo"), Indianapolis, Ind.
**Roller Smith Co.** ("Roller-Smith" Portable & Switchboard), 233 B'way, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.** ("Watthour" Portable Lamp Testing Volt-Wattmeter, etc), East Pittsburgh, Pa. *See adv index at end of book*
**Weston Electrical Instrument Co.**, Waverly Park, Newark, N. J.
**Western Electro Mechanical Co.**, Oakland, Cal.

## 16695— *Wattmeters (Prepayment, Recording)

**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*

## 16696— Wax (Bayberry)

**Bromund E. A. Co.**, 258 B'way, New York
**Clark F. C.**, 316 Kinzie, Chicago, Ill.

WAX (BAYBERRY)—continued
Fuller, Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Jacob Chas. W. & Allison (Imp.), 18 Cedar, New York
National Aniline & Chemical Co., Inc., 21 Burling slip, New York

## Wax (Bees)

See Beeswax

## 16697— Wax (Cabinet)

Bowdlear W. H. Co. (Waxes from all countries), 69 Broad, Boston, Mass.
Brown D. P. & Co. (Jobbers), 264 N 4th, Phila., Pa.
Clark F. C., 316 Kinzie, Chicago, Ill.
Stevenson Bro. & Co., 110 Race, Phila, Pa.
Walton F. S. Co., Orthodox & Delaware, Phila., Pa.

## 16698— Wax (Carnauba)

American Trading Co., 25 Broad, New York
Ayres, Bridge & Co. (Japanese), 200 Summer, Boston, Mass.
Behrend F., 170 Front, New York
Clark F. C., 316 Kinzie, Chicago, Ill.
Columbia Wax Works, 749 E 17th, New York *See adv index at end of book*
Francesconi J. C. & Co. (Imp), 23 Beaver, New York
General Commercial Co., Ltd. of U. S. (Imp.), 295 B'way, New York
Hirsch Adolph & Co. (Imp), 63 Park Row, New York
Jacob Chas. W. & Allison (Imp.), 18 Cedar, New York
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Scheel Wm. H. (Imported), 159 Maiden la, New York *See adv index at end of book*
Schliemann's Oil & Ceresine Co., 25 Beaver, New York
Smith & Nichols (Imp.), 121 Maiden la, New York
Standard Wax & Import Co. (Imp.), 95 William, New York
Strahl & Pitsch (Imp.), 141 Front, New York
Whittemore-Wright Co. (Imported), Charlestown, Boston, Mass.

## 16698a— *Wax (Ceresin)

Bauer Philip Co., 25 W Broadway, New York
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*

## 16699—Wax (Dry Battery)

American Trading Co., 25 Broad, New York
Canfield Oil Co., 3210 E 55th, Cleveland, O.
Clark F. C., 316 Kinzie, Chicago, Ill.
Cochrane Chemical Co., 221 Randolph av, Jersey City, N. J.
Dicks-Pontius Co., Dayton, O.
Dielectric Mfg. Co., 224 Vanderventer av, St. Louis, Mo.
Insulating Co., 1 B'way, New York
Insulating Materials Co., 805 Wesson av, Detroit, Mich.
Lamson John S. & Bro., 347 Madison av, New York
McGill Mfg. Co., 26 Oak, Valparaiso, Ind. *See adv index at end of book*
Minerallac Elec. Co., 1045 Washington blvd, Chicago, Ill.
Mitchell-Rand Mfg. Co., 18 Vesey, New York
National Aniline & Chemical Co., Inc., 21 Burling slip, New York
Standard Asphalt & Rubber Co., 208 S La Salle, Chicago, Ill.
Standard Paint Co., 233 B'way, New York
Trotter E. T. & Co., 602 Johnson av, Brooklyn, N. Y.
Zinsser Wm. & Co., 195 William, New York

## Wax Heads & Fixtures

See Names in Window Display Fixtures with the Words Wax-Figures Following their Name

## 16700—Wax (Insulated Wire)

American Wax Co., 10 High, Boston, Mass.
Clark F. C., 316 Kinzie, Chicago, Ill.
Empire Oil Works, Oil City, Pa.
Mitchell-Rand Mfg. Co., 18 Vesey, New York
Schliemann's Oil & Ceresine Co., 25 Beaver, New York
Smith & Nichols, 121 Maiden la, New York
Standard Wax & Import Co. (Imp.), 95 William, New York
Strahl & Pitsch (Imp.), 141 Front, New York

## 16701— Wax (Japan)

Bird J. A. & W. & Co. (Imp.), 88 Pearl, Boston, Mass.
Clark F. C., 316 Kinzie, Chicago, Ill.
Francesconi J. C. & Co. (Imp), 23 Beaver, New York
Frost & Cundill, Inc. (Imp.), 60 Wall, New York
Lathrop H. B. & Co., 116 Beekman, New York
Mitsui & Co. Ltd. (Imp. Vegetable), 65 Broadway, New York
Morningstar Chas. & Co., Inc. (Imp.), 349 B'way, New York
National Aniline & Chemical Co., Inc. (Imp.), 21 Burling Slip, New York

## 16702— Wax Melter & Dropper (Electric)

Vulcan Electric Heating Co. ("Vulcan" for Sealing Packages, etc), 107 W 13th, New York

## 16702a— Wax (Montan)

Bauer Philip Co., 25 W B'way, New York
Innis, Speiden & Co., Inc. (Crude & Refined), 46 Cliff, New York *See adv index at end of book*
Schiemans Oil & Ceresine Co. (Imp.), 25 Beaver, New York

## 16703—Wax (Ozokerite, Importers)

Bromund E. A. Co. 258 Broadway, New York
Chrystal Charles B., 13 Cliff, New York *See adv index at end of book*
Innis, Speiden & Co., Inc. (Crude & Refined), 46 Cliff, New York *See adv index at end of book*
National Aniline & Chemicals Co., Inc., 21 Burling slip, New York
Salomon L. A. & Bro., 216 Pearl, New York
Schliemann's Oil & Ceresine Co., 25 Beaver, New York
Smith & Nichols, 121 Maiden la, New York
Strahl & Pitsch, 141 Front, New York

## 16704— Wax (Paraffine)

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa. *See adv index at end of book*
Advance Oil Co., Oil City, Pa.
American Trading Co., 25 Broad, New York
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
BELL OIL CORP., 109 Broad, New York
Borne, Scrymser Co., 80 South, New York
Canfield Oil Co., 3210 E 55th, Cleevland, O.
Clark F. C., 316 Kinzie, Chicago, Ill.
Clark Fred G. Co., 1081 W 11th, Cleveland, O.
Crystal Oil Works (Crude Scale), Oil City, Pa.
Eberhardt J. P. & Co., 15 William, New York
Emery Mfg. Co., Bradford, Pa.
Empire Oil Works, Oil City, Pa. Works: Reno, Pa.
Francesconi J. C. & Co., 23 Beaver, New York
Freedom Oil Works, Freedom, Pa.
Fuerst Bros. & Co., 2 Stone, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Great Western Oil Co., 2846 E 37th, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Indian Refining Co., 244 Madison av, New York
Jacob Chas. W. & Allison (Imp. Crude & Refined), 18 Cedar, New York
Kendall Refining Co., Bradford, Pa.
Kuh E. S. & Valk Co. (Imp), Produce Exchange, New York
Loos & Dilworth, 134 S Front, Phila., Pa.
Manufacturers' Parafine Co., Chester, Pa.
Monitor Oil Co., Cleveland, O.
National Refining Co., Rose bldg, Cleveland, O.
Ohio Cities Gas Co., Columbus, Ohio
Penn American Refining Co., Oil City, Pa.
Pennsylvania Parafine Works, Titusville, Pa.
Petrolia Refining Co., Petrolia, Pa.
Pure Oil Co., Lafayette bldg., Phila., Pa.
SCHEEL WM. H. (Jobbers), 121 Maiden la, New York *See adv index at end of book*
Smith & Nichols (Imp.), 121 Maiden la, New York
Sonneborn L. Sons ("Amalie"), 262 Pearl, New York
Standard Oil Co. of N. J., 26 B'way, New York
Standard Oil Co. of N. Y. ("Parowax" Refined), 555 W 25th, New York
Standard Oil Co. of Ohio, 1400 State av, Cincinnati, O.
Standard Wax & Import Co. (Imp.), 95 William, New York
Strahl & Pitsch (Imp.), 141 Front, New York
Sun Co., Finance bldg, Phila., Pa.
TEAS COMPANY, 17 Battery pl, New York *See adv index at end of book*
Tidewater Oil Co. (Refined & Scale), 11 B'way, New York
Union Petroleum Co. (White & Yellow), Widener bldg, Phila., Pa.
United Refining Co., Warren, Pa.
Warren Products Co., 265 Canal, New York *See adv. index at end of book*
WAVERLY OIL WORKS CO. (Refined), Pittsburgh, Pa. *See adv index at end of book*

## Wax Polish (Floor Finish)

See Floor Polish, Hard Wax

## 16705— Wax (Sealing)

American Pitch Co., 414 Water, Cincinnati, O.
American Trading Co., 25 Broad, New York
Bowdlear W. H. Co., 69 Broad, Boston, Mass.
Browne M. C., Holyoke, Mass.
Chamberlain & Johnson, 1238 Voskamp, Pittsburgh, Pa.
Clark F. C., 316 W Kinzie, Chicago, Ill.
Davids Bros., Inc., 79 Cortlandt, New York
Dennison Mfg. Co., 26 Franklin, Boston, Mass.
Dicks-Pontius Co. ("Zubian," "Pontius Pure" for Fruit Jars, etc), Dayton.
Edwards Bros., Milton, Mass.
Insulatine Co. ("Gyite," Insulating & Sealing), 1 B'way, New York
Mitchell-Rand Mfg. Co. (Insulating Sealing), 18 Vesey, New York
Princeton Sealing Wax Co., Princeton, Ill.
Sanford Mfg. Co., Congress & Peoria, Chicago, Ill.
Strohmeyer & Arpe Co. (Insulating Sealing), 139 Franklin, New York
Trotter E. T. & Co. (Insulating), 602 Johnson av, Brooklyn, N. Y.
Zinsser Wm. & Co., 195 William, New York

## 16706— Wax (Shoemakers')

Clark F. C., 316 Kinzie, Chicago, Ill.
Dennehy Bros., Brockton, Mass.
Dicks-Pontius Co., Dayton, O.
Hauthaway C. L. & Sons, 346 Congress, Boston, Mass.
Holt, Jared Co., Albany, N. Y.
Martin-Dennis Co. ("Kromoid"), 159 Sumner av, Newark, N. J.
Whittemore Woodbury Co., Charlestown, Boston, Mass.
Will & Baumer Co., Syracuse, N. Y.

## 16707— Wax (Soft Metal)

Gardner Machine Co., Beloit, Wis.

## 16708—Wax Tailings & Scale Wax

Admiral Petroleum Co., 215-16 Bessemer bldg, Pittsburgh, Pa. *See adv index at end of book*
American Trading Co., 25 Broad, New York
Atlantic Refining Co., 3144 Passyunk av, Phila., Pa.
Canfield Oil Co., 3210 E 55th, Cleveland.
Clark F. C., 316 Kinzie, Chicago, Ill.
Craig Oil Co. (Scale Wax), Toledo, O.
Emery Mfg. Co. (Scale Wax), Bradford, Pa.
Empire Oil Works (Scale Wax), Oil City, Pa.
Independent Refining Co., Ltd. (Scale Wax), Oil City, Pa.
National Refining Co., Rose bldg., Cleveland, O.
Penn American Refining Co. (Scale Wax), Oil City, Pa.

Pennsylvania Paraffine Wks., Titusville, Pa.
Prudential Oil Corp., 17 Battery pl, New York
Standard Oil Co. of N. J. (Refined & Crude), 26 B'way, New York
Standard Oil Co. of N. Y., 555 W 25th, New York
Sun Co., Finance bldg, Phila., Pa.
Tidewater Oil Co., 11 B'way, New York
Union Petroleum Co. (Scale Wax), Widener bldg, Phila., Pa.
Warren Refining Co., Warren, Pa.

## 16709-10— Wax Tapers

**Cathedral Candle Co., Syracuse, N. Y.**
Columbia Way Works ("Never Drip," "Eagle"), 751 E 137th, New York
Houchin Thos. W. Co. ("Houchin's" Gas Lighters), 36 E 12th, New York
Marty F. & Co., Syracuse, N. Y.
St. Louis Candle & Wax Co., 233 Market, St. Louis, Mo.
Smith & Nichols, 121 Maiden Lane, New York
Will & Baumer Co., Syracuse, N. Y.

## 16711-2— Weaners (Calf)

Barbee Wire & Iron Works ("Hoozier," "Shaw Improved" Wire), 111 Washington, Chicago, Ill.
Cooley Mfg. Co., 551 W Monroe, Chicago, Ill.
Decatur Novelty Works ("Hill") Decatur, Ill.
Hamblin & Russell Mfg. Co., Worcester, Mass.
Holthaus Saddlery Co. ("Perfection"), 1440 N 6th, St. Louis, Mo.
Imperial Bit & Snap Co. ("Kant-Suck"), Racine, Wis.
Pratt Wm. E. Mfg. Co. ("Tylers"), 35 W Lake, Chicago, Ill.
Quinn Wire & Iron Works ("Shaw's" & "Diamond"), Boone, Ia.
Wagner Specialty Co. ("Kant Suk"), Burlington, Wis.

## Weather Boarding (Iron & Steel)

See Roofing & Siding Iron & Steel

## 16713— Weather Strips

All-Metal Weatherstrip Co., 126 W Kinzie, Chicago, Ill.
American Metal Weather Strip Co., Grand Rapids, Mich.
Angell Co. (Metal), Penobscot bldg., Detroit, Mich.
Athey Co. ("Athey" Cloth Lined Metal), 124 W 24th, Chicago, Ill.
Bosley D. W. Co. ("Atlas," "Bosley's" Felt, Rubber, Metallic Rubber, Metallic Railway, etc), 122 S Michigan av, Chicago, Ill.
Brawley T. R. (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
Bronze Weather Strip Co., 134 Milk, Boston, Mass.
Brown A. B. Co., 405 Lexington av, New York
Chamberlin Metal Weather Strip Co. (Metallic), 109 3rd av, Detroit, Mich.
Champion Metal Weather Strip & Parting Bead Co. ("Champion" Metallic), 12 Columbia, Boston, Mass.
Chicago Metal Weather Strip Co. (Metal), 1617 N Troy, Chicago, Ill.
Church E. I. & Co. ("Axtell," All Steel), W Hanover, Mass.
Dennis W. J. & Co. ("Dennis" Clincher Felt, Rubber, etc), 2120 W Lake, Chicago, Ill.
Diamond Metal Weather Strip Co. ("Diamond" Flexible Metal), Columbus, O
Dunfee J. & Co., 40 N Franklin, Chicago, Ill.
Durametal Weather Strip Co., 226 W Madison, Chicago, Ill
Edwards O. M. Co., Inc. (For Car Windows), Syracuse, N. Y.
Federal Metal Weather Strip Co., 716 W Madison, Chicago, Ill.
Ford Mfg. Co. ("Ford's" Air Tight), Holyoke, Mass.
Freeman Chas. A. Mfg. Co. ("Invisible"), 294 Washington, Boston, Mass.
Frost Railway Supply Co. ("Detroit," Metal for Cars, etc), Penobscot bldg, Detroit, Mich.
Harsha L. R. Mfg. Co., 2010 Carroll av, Chicago, Ill.
Heaton & Wood, 1802 Chestnut, Phila., Pa.
Henry Airtight Weather Strip Co. (Rubber Lined Wood), Crawfordsville, Ind.
Higgin Mfg. Co. (Metallic), Newport, Ky.
Inlaid Floor Co., 600 Alabama, San Francisco, Cal., & 4067 Watts, Emeryville, Cal.
Introstile Mfg. Co. (Metal O. K.), Marietta, O.
Kohler Die & Specialty Co. (Wool Stuff), DeKalb, Ill.
McCord Mfg. Co. (For Car Windows), 2587 E Gd blvd, Detroit, Mich.
Metropolitan Weather Strip Co., 117 Chambers, New York
Michigan Engine Valve Co. ("Golden"), 115 Columbia W, Detroit, Mich.
Monarch Metal Weather Strip Co. (Metal), 5020 Penrose, St. Louis, Mo.
National Supply & Mfg. Co. (Metallic), 2362 Palm, St. Louis, Mo.
Newark Weather Strip & Screen Co., 7 Nevada, Newark, N. J.
Niagara Metal Weather Strip Co. ("Peace" Metallic), 33 W Tupper, Buffalo, N. Y.
Osgood H. H. & Co., 4 Wash'n, N, Boston, Mass.
Pittsburgh Air Tight Metal Door Sill Co (Metal Air Tight), Liberty & Short Pittsburgh, Pa.
Prince W. O., 26 Edinboro, Boston, Mass.
Protective Ventilator & Screen Corp., 332 E 23rd, New York
Pullman Metal Weather Strip Co., Kane, Pa.
Robbins Mfg. Co. ("Acme" All Metal) 1815 N Central Park av, Chicago, Ill
Roebuck Weather Strip & Wire Screen Co. 3518 Av H, Brooklyn, N. Y.
Schouler Cement Construction Co. (Weather Strip & Sliding Door Guide), 154 Frelinghuysen av, Newark, N. J.
Spencer R., Hearst Bldg, San Francisco, Cal.
Stanfield M. B., 535 Tusculum av, Cincinnati, O.
Tabor Sash Fixture Co. ("Tabor," Metallic) 69 Polk [illegible]
Tyler Mfg. Co. (Wind Shield), 64 Pearl, Boston, Mass.
Willer Mfg. Co. (Metal), Milwaukee, Wis

## 16714— Weather Vanes

Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
Barnum E. T. Wire & Iron Works, 864 Woodward, Detroit, Mich.
**Broad Gauge Iron Works, 77 Broad, Boston, Mass.**
Canton Art Metal Co., Canton, O.
Cushing L. W. & Son ("Waltham"), Waltham, Mass.
**EDWARDS MFG. CO.,** 545-565 Eggleston av, Cincinnati, O.
*See adv index at end of book*
Eller Mfg. Co., Canton, O.
Fiske J. W. Iron Works, 111 Park pl, New York
Gara-McGinley Co., 23 S 17th, Phila., Pa.
Gerock Bros. Mfg. Co., 1252 S Vandeventer av, St. Louis, Mo.
Green Henry J., 1191 Bedford av, Brooklyn, N. Y.
Henis Wm. G. Sons & Co., 1347 Ridge av, Phila., Pa.
Hum & Leatherman, 103 Market, Pittsburgh, Pa.
Jones Thomas W. (Also Dial), 163 Maiden la, New York
Milwaukee Corrugating Co., Milwaukee, Wis.
Mott J. L. Iron Works, Trenton, N. J.
**NATIONAL SHEET METAL ROOFING CO.,** 339 Grand, Jersey City, N. J.
*See adv index at end of book*
National-Standard Co. ("National," "Diamond"), Box 211, Niles, Mich.
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Raub Supply Co., Lancaster, Pa.
Reyburn-Hunter-Foy Co., 815 B'way, Cincinnati, O.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, O.
Security Lightning Rod Co., Burlington, Wis.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Snow W. A. Iron Works, Inc., 19 Portland, Boston, Mass.
Stolz Jos. & Son, Inc., 841 E 136th, New York
Washburne Edw. G. & Co. 207 Fulton, New York

## 16715—*Webbing (Back-band)

**COUCH BROS. MFG. CO.,** Atlanta, Ga.
Empire Weaving & Betting Corp., East Rochester, N. Y.

## 16716— Webbing (Cotton)

Acorn Web Mills, North Wales, Pa.
Adamson Joseph & Co., Columbia & Gtn. av, Phila., Pa.
American Mills Co. (Narrow), Waterbury, Conn.
American Multiple Fabric Co. (Multiple Woven), 183 Hartford av, Providence, R. I.
Ansonia O. & C. Co., Ansonia, Conn.
Barber Mfg. Co., Lowell, Mass.
Barlow John W. Co. (Also Linen, Jute & Worsted), Lawrence, Mass.
Bilger Nicholas Webbing Co. (Also Worsted, Linen & Jute), 2636 N Hutchinson, Phila., Pa.
Brockton Webbing Co. (For Shoe Straps), Brockton, Mass.
Buffalo Weaving & Belting Co. (Belting, Halters, Girths, Bridles, Back Bands, Trunk Straps, etc), Buffalo, N. Y.
Chadbourne & Moore (Shoe & Gaiter), Chelsea, Mass.
Columbia Narrow Fabric Co. (Also Silk & Mercerized), Shannock, R. I.
Columbus Mfg. Co., Columbus, Miss.
**COUCH BROS. MFG. CO.** (Narrow), Atlanta, Ga.
Dyer Chas. N. (Narrow), Haverhill, Mass.
Empire Mfg. Co. (Also Deckle for Paper Mills), Lockport, N. Y.
**Everlastik Inc., 395 B'way, New York**
Fleig L. L. & Co., 212 W Austin av, Chicago, Ill. *See adv index at end of book*
Franklin Cotton Mill Co. (Narrow), Plum & Charles, Cincinnati, O.
Hamilton Web Co. (Boot, Shoe, Gaiter, Name, etc), Hamilton, R. I.
Harley J. S., Quakertown, Pa.
Hesse Mfg. Co. (Narrow), Valley Falls, [illegible]
Higrade Belting & Weaving Co., Paris, Newark, N. J.
Hoffman, De Witt & McDonough Co., Cheltenham, Pa.
Hope Webbing Co. (Narrow Woven Fabrics), 1005 Main, Providence, R. I.
International Braid Co. (Narrow), 47 Charles, Providence, R. I.
Landers Bros. Co., Toledo, O.
Mallison Braided Cord Co., Athens, Ga.
**Mason J. S. & Sons (Narrow), Westboro, Mass.**
Moore & Burgess Webbing Co. (Narrow), Concord Junction, Mass.
Narrow Fabric Corp., New Haven, Conn.
New Hampshire Artistic Web Co., Barnstead, N. H.
Rockland Webbing Co. (Narrow), Rockland, Mass.
Russell Mfg. Co., Middletown, Conn.
**Sidmar, Inc. (Overall Suspenders, etc.), Chelsea, Mass.**
Springfield Webbing Co., Springfield, Mass.
Star Webbing Works (Shoe Strapping & Narrow), Brockton, Mass.
Sullivan J. & Sons Mfg. Co. (Narrow), 2224 N 9th, Phila., Pa.
Susquehanna Webbing Co., Bloomsburg, Pa.
Waban Webbing Co. (Heavy), 683 Atlantic av, Boston, Mass.
Westboro Weaving Co. (Narrow), Westboro, Mass.
Windsor Webbing Co. (Super Tapes, Braids, Vienna Elastic), Pawtucket, R. I.
Workman H. B. Co., Lititz, Pa.
Young J. B., J. & Levick, Phila., Pa.

## 16717— Webbing (Elastic)

Acorn Web Mills, North Wales, Pa.
Adamson Joseph & Co., Columbus & Gtn. av, Phila., Pa.
American Mills Co. (Narrow), Waterbury, Conn.
Ansonia O. & C. Co. (Suspender), Ansonia, Conn.
Boston Gore & Webb Co. (Suspender, Corset, Truss & Bandage), Chelsea, Mass.
Chadbourne & Moore, Chelsea, Mass.
Christ Bros. Mfg. Co., 1303 Buttonwood, Phila., Pa.
Colton Geo. S. Elastic Web Co. (Garter, Surgical, etc), Easthampton, Mass.
Columbia Narrow Fabric Co., Shannock, R. I.

WEBBING (ELASTIC)—continued

Conant & Co. (Suspender, etc), Littleton, Mass.
Connecticut Web & Buckle Co. (Suspender, Belt, Garter, etc), Bridgeport, Conn.
Everlastik, Inc. (For Artificial Limbs, Bandages, Boots & Shoes, Corsets, Garters, Suspenders, & Truss Mnfrs.), 395 B'way, New York
Glendale Elastic Fabrics Co. (Goring, Garter, etc), Easthampton, Mass.
Greenway A. M. Co. (Bandage, etc), Chelsea, Mass.
Holmes O. H. (Knit, for Women's Corsets), Conshohocken, Pa.
Howard Mfg. Co., 97 Monument, Boston, Mass.
Lapworth Webbing Co. (Garter, Suspender, etc), Brockton, Mass.
Lapworth Wm. & Sons (Narrow), Milford, Mass.
Narrow Fabric Corp. (Narrow), New Haven, Conn.
National Web Co. (Suspender, etc), 263 Linden av, Jersey City, N. J.
Nealon Jno. J. & Co., Bayonne, N. J.
Pentucket Narrow Fabric Mills (Garter, Shoe, Suspender, etc), Lowell, Mass.
Rockland Webbing Co. (Narrow), Rockland, Mass.
Russell Mfg. Co., Middletown, Conn.
Springfield Webbing Co. (Surgical, etc), Springfield, Mass.
Taylor Thos. & Sons, Hudson, Mass.
Woodside Mfg. Co., 210 Sylvin, Newark, N. J.
Ziegler A. & Sons Co. (Suspender), 1257 Columbus av, Boston, Mass.

## 16718-9—Webbing (Upholsterers')

Fibro Mfg. Co. (Cane), 9th & Chestnut, Phila., Pa.
Landers Bros. Co., Toledo, O.
Ludlow Mfg. Associates (Jute), 111 Devonshire, Boston, Mass.
Magee Carpet Co., 230 5th av, New York
Susquehanna Webbing Co. (Jute), Bloomsburg, Pa.

## 16720-1— Wedges (Axe)

Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Ransome Concrete Machinery Co., Dunellen, N. J.
Sawyer Belt Hook Co., Pawtucket, R. I
Warren Tool & Forge Co., Warren, Ohio
*See adv index at end of book*

## 16722— Wedges (Foundry)

STERLING WHEELBARROW CO., West Allis, Wis. *See adv index at end of book*
Stevens Frederic B., 3d & Larned, Detroit, Mich. *See adv index at end of book*

## 16723— Wedges (Handle)

Syracuse Twist Drill Co. ("Syracuse"), Borden av, Syracuse, N. Y.

## 16724—Wedges (Journal Bearing)

Hill Clutch Co., W 65th, Cleveland, O.
Transue & Williams Steel Forging Corp. (Drop Forged), Alliance, O.

## 16725—Wedges (Journal Box)

Cleveland City Forge & Iron Co. (Drop Forged), Cleveland, O.
Hill Clutch Co., W 65th, Cleveland, O.
McCord & Co., 122 S Michigan av, Chicago, Ill.
New Castle Steel & Iron Co., Pittsburgh, Pa
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 8000 N. B'way, St. Louis, Mo.
Steel Car Forge Co. (Drop Forged), Frick bldg., Pittsburgh, Pa.
Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
*See adv index at end of book*
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Western Tool & Forge Co., Brackenridge, Pa.

## 16726— Wedges (Lead)

Lawrence Shot & Lead Co., Omaha, Neb.
United Lead Co., 111 B'way, New York

## 16727— Wedges (Saw)

American Logging Tool Co. (Steel), Evart, Mich.

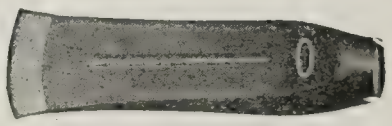
## 16728— Wedges (Socket)

Black Jno. B. Co. ("Brady's," with Ring), Chester, Pa.

## 16729— Wedges (Steel)

Beall Bros, Alton, Ill.
Brunner & Lay, 570 W Polk, Chicago, Ill.
Collins Co., Collinsville, Conn.
Evansville Tool Works (Coal, Wood Choppers, Falling Stone, etc), Evansville, Ind.
Fulton Tool Works (Miners, Wood Choppers, etc), Canal Fulton, O.
Hardsocg Mfg. Co., Ottumwa, Ia.
Hardsocg Martin Co., 922 South av, Pittsburgh, Pa.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Iron City Tool Works, Ltd., 3201 Smallman, Pittsburgh, Pa.
Klein-Logan Co. (Woodchoppers, Falling, Stave Tie, Saw, Stone, Coal, etc), 13th & Breed, Pittsburgh, Pa.
Lanz M. & Sons, 2907 Carson, Pittsburgh, Pa.
Leetonia Tool Co., Leetonia, O.
McInnes Steel Co. (Ltd.) (Woodman's), Corry, Pa.
Oliver Iron & Steel Co. (All Kinds), S 10th & Muriel, Pittsburgh, Pa.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Phillips F. & Son, 1336 Greenmount av, Baltimore, Md.
Plumb Fayette R. (Inc), Tucker & James, Phila., Pa.
Pratt Wm. E. Mfg. Co. (Axe), 35 W Lake, Chicago, Ill.
Prouty C. & Co. (Cross Cut Saw), Eldred, Pa.
Ransome Concrete Machinery Co. (Woodchoppers, etc.), Dunellen, N. J.
Stanley Rule & Level Co. (Atha Division), New Britain, Conn.
Trow & Holden Co. (For Quarry Work), Barre, Vt.
Vulcan Tool Mfg. Co. (For Quarry Work), Quincy, Mass.
Warren Tool & Forge Co. (Woodchoppers), Warren, O. *See adv index at end of book*


**W E D G E S**



**The Warren Tool & Forge Co.**
**Warren, Ohio, U. S. A.**


Warwood Tool Co. (Wood Choppers, Coal Miners, Saw, etc), Warwood, Wheeling, W. Va.
What Cheer Tool Co., What Cheer, Ia.
Woodruff Walter W. & Sons Co. (Axe), Mount Carmel, Conn.

## 16730—Wedges (Tool Post)

Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Page Storms Drop Forge Co. (Drop Forged), Chicopee, Mass.
Williams J. H. & Co. (Also Rings, Drop Forged), 31 Richards, B'klyn, N. Y.
*See adv index at end of book*

## 16731— Wedges (Treenail)

Bachelder & Co., 234 Mt. Vernon, Lowell, Mass.
Hoskins J. S. Lumber Mfg. Co. (Pine & Oak), Baltimore, Md.
Nashua Spool & Bobbin Co. (Oak), Grove Hall Station, Boston, Mass.
United States Bung Mfg. Co., 50 S 2d, Brooklyn, N. Y. Factory: Cincinnati, O.

## 16731a— Wedges (Wooden, for Various Purposes)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Decker Moulding & Mfg. Co. (Slot Wedges for Electrical Purposes), 9th & Monroe, St. Louis, Mo.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
South Bend Dowel Wks., South Bend, Ind.

## 16732— Weeders

Aspinwall Mfg. Co., Jackson, Mich.
Babcock Mfg. Co., Leonardsville, N. Y.
Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Bridgewater Plow Corp. ("Superior," Corn Thinner & Weeder), Bridgewater, Va.
Brinly Hardy Co. (Riding & Walking), Louisville, Ky.
Brown-Manly Plow Co., Malta, O.
Burch Plow Works Co., Crestline, O.
Cleveland Lawn Weeder Co., 1426 W 3rd, Cleveland, O.
Cutaway Harrow Co., Higganum, Conn.
Dunham Co., Berea, Ohio
Eureka Mower Co. (Walking & Riding), 16 Hickory, Utica, N. Y.
Genung C. W., Madison, O.
Greenville Implement Co., Greenville, Mich.
Janesville Machine Co., Janesville, Wis.
Keystone Machine Co. (Straight Bar or Adjustable, Walking or Sulky), York, Pa.
Lean Roderick Mfg. Co. ("Roderick Lean" Riding and Walking), Mansfield, O.
Lovejoy C. H. Chaplet Co., Cambridge, N. Y.
Munnsville Plow Co. (With Tubular Steel Frame), Munnsville, N. Y.
National Drill Co., Cambridge City, Ind.
North Wayne Tool Co., Hallowell, Me.
Rockford Mfg. Co., Rockford, Ill.
Taylor Mfg. Co. ("Jimmey"), Canton, O.
Thornburgh Mfg. Co. ("Toledo"), Bowling Green, O.
Washington Weeder Works, Walla Walla, Wash.
Wiard Plow Co. (Adjustable), Batavia, N. Y.

## 16733— Weeders (Garden)

See also Hooks, Weeding

Allen S. L. & Co. ("Firefly" & "Planet Jr."), 15th & Glenwood, Phila., Pa.
Barker Mfg. Co., David City, Neb.
Bateman Mfg. Co. ("Iron Age"), Grenloch, N. J.
Buffum Tool Co. ("Swastika"), Weeders & Transplanters), South Side, Louisiana, Mo.
Clark W. J. Co. ("Rapid-Easy"), Salem, O.
Donaldson Bros. (Beet), Mount Clemens, Mich.
Fletcher Terry Co. (Hand), Forestville, Conn.
Genung C. W., Madison, O.
Keystone Machine Co. (Adjustable), York Pa.
Kohler F. E. Co. (Dandelion Spud), Canton, O.
Mason F. C. & Co., St. Johns, Mich.
Norcross C. S. & Sons ("Norcross," "Midget" 3 Prong), Bushnell, Ill.
North Wayne Tool Co. ("Lefavour's Favorite"), Hallowell, Me.
Union Fork & Hoe Co. (Hand), Columbus, O.
Western Steel & Iron Works (Beet Weeders), De Pere, Wis.
Withers Foundry & Machine Works, Atlanta, Ga.
Wrightsville Hardware Co., Wrightsville Pa.

## 16734—Weighers (Feed Water)

Dover Boiler Works, Sales Office: 4( Church, New York. Works: Dover N. J. *See adv index at end of book*
Tyler Underground Heating System ("Tyler"), 855 Progress, Pittsburgh, Pa.
Willcox Engineering Co. ("Willcox" Automatic), 1525 Holland av, Saginaw Mich.

## 16735-6-7 — Weighers, Loaders & Baggers (Grain)

Advance-Rumely Thresher Co., La Porte, Ind.
Advance Thresher Co., Battle Creek, Mich.
Buffalo Pitts Co., Buffalo, N. Y.
Hart Grain Weigher Co. ("Glendale" Bagger "Hart" "Hart Junior" "Perfection" Dakota "Peoria" & "Simplex" Weighers & Loaders), Peoria, Ill.
Huber Mfg. Co., Marion, O.
Minneapolis Threshing Machine Co. (Baggers), Hopkins, Minneapolis, Minn.
Nichols & Shepard Co. (Weighers, Baggers & Loaders), Battle Creek, Mich.
Ohio Road Machinery Co. (Baggers), Oberlin, O.
Port Huron Engine & Thresher Co., Port Huron, Mich.
Rumley Leo Tractor Co. ("Advance," "Gear-Scott," "Rumely"), La Porte, Ind.
Westinghouse Co. (Weighers), Schenectady, N. Y.

## 16737a—*Weighing Apparatus (Ehrhardt's)

**MacLEOD CO.,** 2227 Bogen, Cincinnati, O.
*See adv index at end of book*

## 16738—Weights (Elevator)

Bosworth-Ard Machine & Foundry Co., Anniston, Ala.
Central Foundry Co., Fort Wayne, Ind.
De Ved & Sons Sash Weight Co. (Lead, also Dumb Waiter) 807 S Howard, Baltimore, Md.
Kings County Iron Foundry Inc., Gardner av & Meserole, Brooklyn, N. Y.
Levering Mfg. Co. (Also Bridge), 1210 Ky. Highway, Baltimore, Md.
Los Angeles Fdry Co., Los Angeles, Cal.
Standard Foundry Co., Buffalo, N. Y.

## 16739— Weights (Hitching)

Barber Mfg. Co., Ashtabula, O.
Burr Co., Champaign, Ill.
Cheney S. & Son, Manlius, N. Y.
Decatur Cornice & Roofing Co., New Decatur, Ala.
Donaldson Bros., Mount Clemens, Mich.
Gowanda Agricultural Wks., Gowanda, N. Y.
Pratt Wm, E. Mfg. Co., 35 W Lake, Chicago, Ill.
South Bend Foundry Co., South Bend, Ind.
Sperry D. R. & Co., Batavia, Ill.
Weller Hardware & Foundry Co., Horseheads, N. Y.
Western Foundry & Sash Weight Co., 2d & Miller, St. Louis, Mo.
Withers Foundry & Machine Works, Atlanta, Ga.

## 16740— Weights (Lead)

Los Angeles Fdry. Co., Los Angeles, Cal.
United Lead Co. (Clock, Dress, Fish Net, etc.), 111 B'way, New York
**U. S. INDUSTRUCTIBLE GASKET CO.,** Church & Fulton, New York.
*See adv index at end of book*

## Weights (Sash)

See Sash Weight

## 16741—Weights (Telephone Cord)

K. & B. Co., 497 N 3d, Phila., Pa.

## 16742—*Weirs (Recording & Totalling Registers For)

**SIMPLEX VALVE & METER CO.,** 110 N Broad, Phila.,, Pa.

## 16743—Welding (Autogenous)

Air Reduction Sales Co. (Oxyacetylene Equipments), 120 B'way, New York
American Metal Fusing & Cutting Co. ("Oxy-Acetylene Apparatus"), 104 Hunter av, Long Island City, N. Y.
American Oxygen Co. ("Oxy-Acetylene"), Perry bldg, Phila., Pa. Works: Camden, N. J.
Callwood Co., The, 30 Church, New York
*See adv index at end of book*
Claw-Knox Co. (Oxy-Acetylene), Freeport rd, Hoboken, Pa.
Bossert Corporation, The, cor. Linden & West av, Utica, N. Y.
*See adv index at end of book*
**Braun J. G. (Oxygen Acetylene), 609 S Paulina, Chicago, Ill.**
**Brunswick Refrigerating Co. (Oxy-Acetylene, for the Trade), New Brunswick, N. J.**
**Carbic Mfg. Co., Duluth, Minn.**
Cave Welding & Mfg. Co., 32 Liberty, Springfield, Mass.
**Clausen N. C. Architectural Iron Co., Albany, N. Y.**
**Cox Brass Mfg. Co., Albany, N. Y.**
**Davis-Bournonville Co. (Plant Builders), Van Wagnen av, Jersey City, N. J.**
**Delcampe Welding Co. (Portable & Stationary Welding & Cutting Machines), Bridgeport, Conn.**
**Dyer G. H. Co., Cambridge, Mass.**
**Economy Welding Machine Co. (Oxy-Acetylene Plant Builders), Kansas City, Mo.**
**Fore River Shipbuilding Corp., Quincy, Mass.**
**Galigher Machinery Co., Salt Lake City, Utah.**
Gem Stamped Steel Co., Chelsea, Mass.
**General Welding Co. ("Beltzer," Oxy-Acetylene, Oxy-Benzine), Hoboken N.J.**
Giff Instrument Co. ("Zens"), Highland bldg, Pittsburgh, Pa.
**Great Lakes Welding Co. (Oxy-Acetylene), 937 West, N. W., Cleveland, O.**
**Henderson-Willis Welding & Cutting Co. (Oxy-Acetylene Plant Builders), 2305 N 11th, St. Louis, Mo.**
**Imperial Brass Mfg. Co., 524 S Racine av, Chicago, Ill.** *See adv index at end of book*
**K. C. Generator Co. (Complete house lighting plants), Kansas City, Mo.**
K.-G. Welding & Cutting Co., 556 W 34th, New York
Laclede Iron Works (Oxy-Acetlyene), 1547 N 9th, St. Louis, Mo.
**Linde Air Products Co., 42nd St. bldg, New York.** *See adv index at end of book*
**MacLeod Co. (Plant Mfrs.), 2227 Bogen, Cincinnati, O.**
*See adv index at end of book*
**Manitowoc Engineering Works, Manitowoc, Wis.**
**Metals Welding plant (Steel Products Co.), (Oxy-Acetylene Plant Builders), 4400 Perkins av, Cleveland, Ohio**
Milburn Alexander Co., 1420 W Baltimore, Baltimore, Md.
**National Welding & Mfg. Co. (All Metals), Buffalo, N. Y.**
**National Welding & Mfg. Co., 527 W Jackson boul, Chicago, Ill.**
**Olson-Klopf Welding & Cutting Co. (Contractors), Seattle, Wash.**
**Oxweld Acetylene Co. (Oxy-Acetylene), 640 Frelinghuysen av, Newark, N. J.**
**Pipe Coiling, Bending & Welding Co., Arrott bldg., Pittsburgh, Pa.**
**Portland Co. (Oxy-Acetylene), Portland, Me.**
**Richmond Water Softener Co. (Contract Welding), Richmond, Ind.**
**SCAIFE WM. B. & SONS CO.,** First National Bank bldg, Pittsburgh, Pa., & 26 Cortlandt, New York
*See adv index at end of book*
U. S. Welding Co. Inc., 155 Lafayette, New York
**VULCAN IRON WORKS, INC.** (Marine & Stationary), Hudson & Essex, Jersey City, N. J.
**Waterhouse Welding Co. (Welding & Welding Equipment, 15 Pelham, Boston, Mass.**
**Welded Steel Barrell Corp. (Oxy-Acetylene), Hart av & Charlevoix, Detroit, Mich.**
**Western Drop Forge Co. (Oxy-Acetylene), P. O. Box 386, Marion, Ind.**
**Worcester Pressed Steel Co., Worcester, Mass.**

## 16744— Welding (Electric)

**American Electric Welding Co., 200 5th av, New York**
**American Fork & Hoe Co. (For Oven use), Swetland bldg, Cleveland, O.**
**American Standard Shipfittings Corp., 115 B'way, New York**
*See adv index at end of book*
**American Tube & Stamping Co., Bridgeport, Conn.**
**American Welding & Mfg. Co., Warren, O.**
**Anniston Steel Co. (Also Oxy Acetylene), Anniston, Ala.**
**Automatic Electric Welder Co. (Butt & Spot), 618 W Jackson blvd, Chicago, Ill.**
Best Co., Arrott bldg, Pittsburgh, Pa.
**Blaw Knox Co. ("Knox" Electric & Acetylene Welding Steel Construction), Freeport rd, Hoboken, Pa.**
**Boom Boiler & Welding Co., 1615 Merwin av, Cleveland, O.**
**Bossert Corporation, The (Spot & Electric Arc), cor Linden st, & West av, Utica, N. Y.**
*See adv index at end of book*
**Brunswick Refrigerating Co. (For the Trade), New Brunswick, N. J.**
**Columbiana Boiler Co., Columbiana, O.**
**Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.**
**Electric Welding Co., 2114 Superior Viaduct, Cleveland, O.**
**FABRICATED STEEL PRODUCTS CORP.,** Box 505, Leetonia, Ohio
*See adv index at end of book*
**Federal Electric Welder Co. (Spot, Butt, Jump & Seam), Warren, Ohio**
**Flowers Welding & Cutting Co., Canton, O.**
Geuder Paeschke & Frey Co., (Spot, Seam & Butt), 1314-1700 St. Paul av, Milwaukee, Wis.
Gem Stamped Steel Co., Chelsea, Mass.
**Indianapolis Switch & Frog Co., Springfield, O.**
**Kellogg M. W. Co., 90 West, New York**
*See adv index at end of book*
**Lewis Electric Welding & Mfg. Co., Toledo, O.**
**Lincoln Electric Co., Cleveland, O.**
**Lincoln Rail Welding Co., Wilkinson bldg, Cleveland, O.**
**Manitowoc Ship Building Co., Manitowoc, Wis.**
**Maryland Pressed Steel Co., Hagerstown, Md.**
**Michigan Electric Welding Co., 514 Hart, Detroit, Mich.**
**Michigan Salt Works, Marine City, Mich.**
**Oakes Co. (Spot), Indianapolis, Ind.**
**Pipe Coiling, Bending & Welding Co., Arrott bldg, Pittsburgh, Pa.**
**Pittsburgh Metal Brazing Co., 2939 Smallman, Pittsburgh, Pa.**
Pollak Steel Co. (Motor), Cincinnati, O.
**Quasi Arc Weldtrobe Co., Inc., 107 Lafayette, New York**
**Rail Welding & Bonding Co. of Am., 2400 Woodland av, Cleveland, O.**
**Rubin Iron Works (Acetylene), Jacksonville, Fla.**
**Searles Electric Welding Wks., 817 W Washington Blvd, Chicago, Ill.**
*See adv index at end of book*

**ELECTRIC WELDING**
**SPOT WELDING, BUTT WELDING**
**STEEL PRODUCTS**
**for Manufacturers of Sheet Steel and Wire Products**
**Wire Hoops formed and welded**
**Searles Electric Welding Works**
**817 W. Washington Blvd.**
**Tel. Monroe 1806 CHICAGO, ILL.**

**Smith A. L., Iron Works ( Spot to ½ Inch Thickness), Chelsea, Mass.**
**Standard Boiler Works, Seattle, Wash.**
**Standard Parts Co. (Job Welding), W 73rd, Cleveland, O.**
**Thomson Electric Welding Co., 161 Pleasant, Lynn, Mass.**
**Thomson Spot Welder Co., Lynn, Mass.**
**Union Switch & Signal Co., Swissvale, Pa.**
**U. S. Welding Co., Inc., 155 Lafayette, New York**
**Universal Electric Welding Co., 30 E 42d, New York**
**VULCAN IRON WORKS, INC.** (Marine & Stationary), Hudson & Essex, Jersey City, N. J.
**WELD-WIRE,** 395 Christopher av, Brooklyn, N. Y. *See adv index at end of book*
**Welding Material Co. (Materials), 114 Liberty, New York**
**Winfield Electric Welding Machine Co. ("Winfield" for Butt, Jump & Spot Welding), Warren, O.**
**Wood Jno. Mfg. Co., Conshohocken, Pa.**
**Worcester Pressed Steel Co. (Electric Spot), Worcester, Mass.**

## 16745—Welding (Oxy-Acetylene)

Advance Welding Machine Co., 111 N Dearborn, Chicago, Ill.

WELDING (OXY-ACETYLENE)—cont.

American Boiler Welding Co., 301 N Halsted, Chicago, Ill.
Austin Welding Works, 555 W Quincy, Chicago, Ill.
**Carbo Hydrogen Co. of Am., Benedum Trees bldg, Pittsburgh, Pa.**
**Clausen N. C. Architectural Iron Co., Albany, N. Y.**
Comet Welder, 521 W Jackson, Chicago, Ill.
**Cortland Welding Compound Co., Cortland, N. Y.**
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
**Guyan Machine Shops, Logan, W. Va.**
**LINDE AIR PRODUCTS CO., 42nd St. bldg, New York**
*See adv index at end of book*
**Macleod Co., 2227 Bogen, Cincinnati, O.**
*See adv index at end of book*
Milburn A. Alexander Co., 1420 W Baltimore, Baltimore, Md.
Standard Gas Products Co., Inc. (Supplies), Atlanta, Ga.
U. S. Welding Co., Inc., 155 Lafayette, New York
Valley City Welding & Mfg. Co., Valley City, N. D.
**Western Drop Forge Co., P. O. Box 386, Marion, Ind.**

## 16746—*Welding (Oxy-Hydrogen)

Electrolabs Co., 2635 Penn av, Pittsburgh, *See adv index at end of book*

## 16747—Welding (Steam Flue)

**Fix's S. Sons, Leonard & Winter, Cleveland, O.**

## 16748—Welding (Thermit Process)

Hamilton Welding Mfg. Co., Hamilton, Ohio
**METAL & THERMIT CORP.,** 120 B'way, New York *See adv index at end of book*
**THOMASVILLE IRON WORKS, INC.,** (For Locomotive Frames), Thomasville, Ga. *See adv index at end of book*

## 16748a—Welding & Cutting Apparatus (Electric)

Electric Arc Cutting & Welding Co., 222 Halsey, Newark, N. J.
St. Paul Welding & Mfg. Co. ("Torit," Torches), 173 W 3rd, St. Paul, Minn.

## 16749—Welding & Cutting Apparatus (Cxy-Acetylene)

**Admiral Welding Machine Co., Kansas City, Mo.**
**Air Reduction Sales Co., 120 B'way, New York**
**American Oxygen Co. ("Vulcan"), 2d & Elm, Cincinnati, O.**
**Ashton, Laird & Co., 509 W 45th, New York**
**Atlas Welding Works, Rahway, N. J.**
Betts & Betts Corp. ("Betts" Arc & Spot), 513 W 42d, New York
**Bishop & Babcock Co., 1204 E 55th, Cleveland, O.**
**Boom Boiler & Welding Co., 1615 Merwin av, Cleveland, O.**
**Burdett Mfg. Co., 309 St. Johns ct, Chicago, Ill.**
California Burdett Oxygen Co. ("Purox"), 52nd & Santa Fe av, Los Angeles, Cal.
**Campbell Iron Co., Cass av bet 8th & 9th, St. Louis, Mo.**
**Carbic Mfg. Co., Duluth, Minn.**
Carbo Hydrogen Co. of America (Torches, Tips, Regulators, etc), Benedum Trees **bldg., Pittsburgh, Pa.**
Cave Welding & Mfg. Co. ("Weldco"), 32 Liberty, Springfield, Mass.
**COLONIAL SUPPLY CO.,** 217 Water, Pittsburgh, Pa.
*See adv index at end of book*
**Cox Brass Mfg. Co. ("Cox"), Albany, N. Y.**
Crowell Wm. Co., Van Horn **& Central** R R, Jersey City, N. J.
**Davis-Bournonville Co., Van Wagenen av, Jersey City, N. J.**
Delcampe Welding Co., Bridgeport, Conn.
**Economy Welding Machine Co., Southwest blvd & Centre av, Kansas City, Mo.**
Electrolabs Co., 2635 Penn av, Pittsburgh, Pa. *See adv index at end of book*
**End-Oxy Appliance Co. ("Leaktite"), 29 N Willow, Trenton, N. J.**
**General Welding & Equipment Co., 107 Mass av, Boston, Mass.**
**General Welding Co. ("Ideal"), Hoboken, N. J.**
**Granite City Iron Wks. Co., St. Cloud, Minn.**
**Great Western Cutting & Welding Co., 884 Folsom, San Francisco, Cal.**
**Harris Calorific Co., 2828 Washington av, Cleveland, O.**
Henderson-Willis Welding & Cutting Co., 2305 N 11th, St. Louis, Mo.
Imperial Brass Mfg. Co., 524 S. Racine av, Chicago, Ill. *See adv index at end of book*

OXY-ACETYLENE APPARATUS
THE IMPERIAL BRASS MFG. CO.
CHICAGO

International Oxygen Co. (Dlrs.), 796 Frelinghuysen av, Newark, N. J.
Jahnke **Welding & Mfg. Co., 111 Main,** San Francisco, Cal.
K.-G. Welding & Cutting Co., 556 W 34th, New York
**Kentucky Oxygen-Hydrogen, Louisville, Ky.**
**MACLEOD CO.,** 2227 Bogen, Cincinnati, Ohio. *See adv index at end of book*
**Messer & Co. ("Automat"), 121 N 7th, Phila. Pa.**
Metal Welding & Supply Co., Denver, Col.
Metals Welding (Steel Products Co.), 4400 Perkins av, Cleveland, O.
Milburn Alexander Co. ("Milburn"), 1420 W Baltimore, Baltimore, Md.
**Modern Engineering Co., 23rd & Walnut, St. Louis, Mo.**
**Oxweld Acteylene Co. (Oxweld), 640 Frelinghuysen av, Newark, N. J.**
Oxy-Acetylene Appliance Co., Jersey City, N. J.
Oxy-Acetylene Equipment Co., 31 W 125th, New York
**Prest-O-Lite Co. ("Prest-O-Lite"), Crawfordsville rd, Indianapolis, Ind.**
Rail Welding & Bonding Co. of Am., 2400 Woodland av, Cleveland, O.
**Schemmel Geo. C., Wapakoneta, O.**
Searchlight Co., 2236 Lumber, Chicago, Ill
Standard Gas Products Co., Inc., Atlanta, Ga.
**Superior Oxy-Acetylene Machine Co., Hamilton, O.**
Tolman Mfg. Co. ("Tolman"), 19 West Third, Boston, Mass.
Torchweld Equipment Co., 224 N. Carpenter, Chicago, Ill.
Turner Brass Works, Sycamore, Ill.
Twin City Welding Co., 313 7th av S, Minneapolis, Minn.
Varwig Mfg. Co., 120 Opera pl, Cincinnati, Ohio
Vulcan Brazing & Machine Co., 1630 Vine Phila., Pa.
**Waterhouse Welding Co., 15 Pelham, Boston, Mass.**

## 16750—Well Casings & Supplies

American Steel Pipe & Tank Co. (Riveted), 608 S Main, Los Angeles, Cal.
**Chicago Well Supply Co., 228-232 W Ontario, Chicago, Ill.**
Consolidated Pipe Co. (Riveted Steel), 2440 E 9th, Los Angeles, Cal.
Lacey Mfg. Co., 300 S Spring, Los Angeles, Cal.
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
Montague Pipe & Steel Co., **bldg, San** Francisco, Cal.
National Tube Co., **Frick bldg, Pittsburgh, Pa.**
**WELD-WIRE,** 395 Christopher av, Brooklyn, N. Y. *See adv index at end of book*
Western Pipe & Steel Co., 444 Market, San Francisco, Cal.

## Well Supplies (Artesian & Tubular)

See Machinery, Well Drilling

## 16750a—*Wells (Drilled & Driven)

**Rosco Moss, 959 E 4th, Los Angeles, Cal.**
**Sweeney & Gray Co., 83-85 6th, Long Island City, N. Y.**
*See adv index at end of book*

## 16751—Welting (Shoe)

Brockton Welting Co., Brockton, Mass.
Fallon W. J., 34 Norfolk av, Boston, Mass.
Rockland Welting Co., Rockland, Mass.
Worcester Counter Co., Worcester, Mass.

## 16752—Whalebone

American Whalebone Co., 920 B'way, New York
**National Whalebone Co., 25 W 45th, New York**
Walohn Mfg. Co., 31 Union sq W., New York

## Wharf Builders

See Dock Builders

## 16753—Wheel Truing Device

Ross Mfg. Co. ("Ross" For Precision Grinding), 3160 W 106th, Cleveland, O.
**Taylor & Fenn Co., Hartford, Conn.**

## Wheelbarrows

See Barrows, Various Kinds

## Wheels (Abrasive & Grinding)

See Emery & Corundum Wheel Mfrs.

## 16754—Wheels (Aeroplane)

Ackerman Wheel Co., Rockefeller bldg, Cleveland, O.
Aero Wheel Co., 1777 B'way, New York
Dayton Wire Wheel Co., Dayton, O.
Hayes Wheel Co., Jackson, Mich.
Mott Wheel Works (Rims & Wheels), Jackson, Mich.
National Wheel Works, Inc., Geneva, N. Y.
Spranger Rim & Wheel Co. (Wire Wheels), 139 Beaubin, Detroit, Mich.
Stewart Wire Wheel Corp., Frankfort, Ind.

## 16754a—*Wheels (Agricultural Implement)

See also Wheels, Metal

**ELECTRIC WHEEL CO.,** Station D, Quincy, Ill. *See adv index at end of book*
Little J. R. Metal Wheel Co., Quincy, Ill
**YOUNGSTOWN PRESSED STEEL CO** (Gong), Warren, O.
*See adv. index at end of book*

## 16755—Wheels (Automobile)

Ackerman Wheel Co., Rockefeller bldg Cleveland, O.
Bowman Carriage Co., Sacramento, Cal.
Budd Wheel Corp. (Wire & Steel), Lehig av & 22d, Phila., Pa.
**Central City Wheel Wks., Syracuse, N. Y**
Dayton Automotive Wheel Co. (Wood) Dayton, Ohio
Dayton Steel Fdry. Co. (Truck), Dayton, C
Eberly & Orris Co., Mechanicsburg, Pa.
**French & Hecht, Davenport, Ia.**
Harris Chas. E., The, Easthampton, Mas
**Hayes Wheel Co., Jackson, Mich.**
Hill-Smith Metal Goods Co. ("Minute" De mountable Wheels), 82 Brookline av Boston, Mass.
**Hoopes Bro. & Darlington (Inc.),** Wes Chester, Pa.
Hydraulic Pressed Steel Co. (Presse Steel), 3152 E 61st, Cleveland, O.
Imperial Wheel Co., Flint, Mich.
Kelsey Wheel Co., 1208 Military av, De troit, Mich.
**LAPIERRE H. M. CO.,** 1314 W 21st, Ch cago, Ill. *See adv index at end of book*
Parker Wheel Co., 3778 E 78th, Clevelan O.
**Phelps Mfg. Co. ("Freyer" Wire Demount** able), Columbus, O.
Prudden Wheel Co., Lansing, Mich.
Salisbury Wheel & Axle Co., Inc., Jame town, N. Y.
Sewell Cushion Wheel Co., 1296 Gratio Detroit, Mich.
Stewart Wire Wheel Corp., Frankfort, In
**Williams Steel Wheel & Rim Co., Utic** N. Y.

## 16756-7—Wheels (Automobile Steering)

See also Gears, Automobile Steering

American Hard Rubber Co. (Hard Rubber), 9 Mercer, New York

American Wood Rim Co. (Wood), Onaway, Mich.
Auto Wheel Co., Lansing, Mich.
Badger Mfg. Co., 313-317 Milwaukee, Milwaukee, Wis.
Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
Cox Aero Works, Bayonne, N. J.
Halladay, L. P. Co., Streator, Ill.
La Pierre H. M., 1314 W 21st, Chicago, Ill.
Neville Steering Wheel & Mfg. Co., 139 Beaubien, Detroit, Mich.
Pouvailsmith Corp., Poughkeepsie, N. Y.
Rastetter Louis & Sons, Fort Wayne, Ind.
Smith Wheel, Inc., Syracuse, N. Y.
Wadsworth Mfg. Co., Kercheval & Connors ck, Detroit, Mich.
Warner Gear Co., Muncie, Ind.

## Wheels (Automobile Truck)

See Wheels, Metal

## 16758—Wheels (Baby Carriage)

Bay State Metal Wheel Co., East Templeton, Mass.
**Burgess & Norton Mfg. Co. (Go-Cart Wheels)**, Geneva, Ill.
Chase L. C. & Co. ("Chase" Pressed Steel), 89 Franklin, Boston, Mass.
*See adv index at end of book*

## 16759—Wheels (Ball Bearing)

Burgess & Norton Mfg. Co. (For Invalid Chairs, Hospital Beds, etc), Geneva, Ill.
Gardner Sash Pulley Co. (For All Purposes), 15 N Jefferson, Chicago, Ill.
McCabe Hanger Mfg. Co., 426-428 W 25th, New York *See adv index at end of book*
Pressed Steel Mfg. Co. ("Knipe" Small), Land Title bldg, Phila., Pa.

## 16760— Wheels (Barrow)

See also Wheels, Metal

**ELECTRIC WHEEL CO.** (Steel), Station D, Quincy, Ill.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**JACKSON MFG. CO.,** Fourth & Boyd, Harrisburg, Pa.
*See adv index at end of book*
Sterling Wheelbarrow Co. ("Sterling" Steel), Milwaukee, Wis.

## 16761— *Wheels (Belt)

Mesta Machine Co. (Steel), Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 16762— Wheels (Brake)

Dayton Malleable Iron Co. ("Perfect"), Dayton, O.
National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, O.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

## 16763— Wheels (Brass)

Buckeye Iron & Brass Works (Finished), Dayton, O.

## 16764—Wheels (Buffing & Polishing)

See also Buffing & Polishing Machines

Advance Platersi Supply Co., 125 W Illinois, Chicago, Ill.
Armstrong Cork Co. (Cork, for Polishing Glass), 24th & A. V. R. R., Pittsburgh, Pa.
Bacon Felt Co. ("Bacon" Felt), Winchester, Mass.
Bennett-O'Connell Co. (Canvass-Felt, Bull-Neck, etc), 3600 S Morgan, Chicago, Ill.
Besly Chas. H. & Co. (Hand Polishing), 120 N Clinton, Chicago, Ill.
Buchanan Thos. Co., 29 W 3rd, Cincinnati, O.
Burns E. Reed ("Acme" Pierced, "Victor" Sheepskin, "Champion" Canvas, "Eureka" Solid Leather, also Wool Felt Leatherine, Canvas, Bullneck, etc), 27 Jackson, Brooklyn, N. Y.
Chicago Wheel & Mfg. Co. ("Chicago," Leather, Sheepskin, Canvas, Muslin, etc), 1101 W Monroe, Chicago, Ill.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Codman F. L. & J. C. Co. (Cotton), 15 Elkins S, Boston, Mass.
**COMMONWEALTH FELT CO.** (Jobbers), 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Coxsackie Wheel & Mfg. Co., Coxsackie, N. Y.
**CUTLER & WOOD SUPPLY CO.,** 77 Pearl, Boston, Mass.
*See adv index at end of book*
Day S. A. Mfg. Co., 1483 Niagara, Buffalo, N. Y.
Divine Bros. Co. ("The Compress"), Utica, N. Y.
Eastern Felt Co. ("Independence," "U. S. A.," "X-L," "Victory," "Pearl," "Jewel"), Canal, Winchester, Mass.
Gardner Machine Co. ("Gardner" Band Polishing), Beloit, Wis.
General Platers' Supply Co. (Canvas & Bullneck), 489-493 Broome, New York
Hamilton Emery & Corundum Co., Chester, Mass.
Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Jackson Mills Emery Co. (Wood, Leather Covered, Sheepskin, Walrus, Canvas, Felt, Paper Wheels, Buffs, etc.), Pennsylvania bldg, Phila., Pa.
Kingston Emery Mills, Frankfort, Phila., Pa.
L'Hammedieu Chas. F. & Sons Co. ("Reliance," Canvas, Sheepskin, etc), 24 S Clinton, Chicago, Ill.
Miller & Co. ("Walrine" Leather), 12 William, Newark, N. J.
Munning A. P. & Co., Matawan, N. J.
New England Buff Co., 101 Albany, Boston, Mass.
Nickel Adolph Mfg. Co., 715 Sycamore, Cincinnati, O.
Oriental Emery Co., New Haven, Conn.
Page Belting Co. (Leather Polishing), Concord, N. H.
Pfleghar Hardware Specialty Co. ("Peerless" Leather), New Haven, Conn.
Rickless A. & Co., Chelsea, Mass.
Rockwood Mfg. Co. (Paper), Indianapolis, Ind.
Springfield Mfg. Co., Bridgeport, Conn.
Sterling Grinding Wheel Co., Tiffin, O.
Stevens Frederic B. (Cotton Buffs), 3rd & Larned, Detroit, Mich.
Stow Mfg. Co., Binghamton, N. Y.
*See adv index at end of book*
Thayer P. E. & Co., Pawtucket, R. I.
Tingue, Brown & Co., 118 E 25th, New York
**WARREN PRODUCTS CO.,** 265 Canal, New York *See adv index at end of book*
Washington Mills Emery Mfg. Co., North Grafton, Mass.
Webb Mfg. Co. (Muslin), 245-247 N. J. RR av, Newark, N. J.
*See adv index at end of book*
Williamsville Buff Mfg. Co., Danielson, Conn.
Yorkville Mfg. Co. (Sheepskin), 273 Lorimer, Brooklyn, N. Y.

## 16765— Wheels (Cable Reel)

Hallett Iron Works ("Hallett"), Harvey, Ill.

## 16766— Wheels (Car)

See aso Wheels, Mine Car

Albany Car Wheel Co., Albany, N. Y.
American Car & Foundry Co. (Chilled, etc), Syndicate Trust bldg, St. Louis, Mo.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
American Steel Foundries ("Davis" Cast Steel), McCormick bldg, Chicago, Ill.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Barney & Smith Car Co., Dayton, O.
Barnum-Richardson Co., Lime Rock, Conn.
Bass Foundry & Machine Co., Fort Wayne, Ind.
Bloomsburg Car Mfg. Co., Bloomsburg, Pa.
Bradley, Osgood Car Co., Worcester, Mass.
Bonney-Floyd Co. (Special Alloy Steel, Mine & Industrial), Columbus, O.
Brill J. G. Co., 62d & Woodland av, Phila., Pa.
Brown Car Wheel Works, 466 Howard, Buffalo, N. Y.
Buda Co., Railway Exch. bldg, Chicago, Ill.
Buffalo Car Wheel Foundry Co., Dunn bldg, Buffalo, N. Y.
Butler Car Wheel Co., Pittsburgh, Pa.
Carnegie Steel Co. (Steel), Carnegia bldg, Pittsburgh, Pa.
Cayuta Mfg. Co., Sayre, Pa.
Chester Steel Castings Co., Chester, Pa.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Cumberland Foundry & Mfg. Co. (Chilled), Nashville, Tenn.
Dickson Car Wheel Co. (Chilled Car & Engine), Houston, Tex.
Duncan Foundry & Machine Works (Chilled), Alton, Ill.
Eagle Iron Works Co., Terre Haute, Ind.
**EASTON CAR & CONSTRUCTION CO.,** 198 Fulton, New York
*See adv index at end of book*
Edgewater Steel Co. (Rolled Steel), Edgewater Station & A V. RR, Pittsburgh, Pa
Enterprise Foundry & Machine Wks. ("Whitney"), Bristol, Tenn.
Fairbanks, Morse & Co., Sheffield Plant (Wrought Steel), Three Rivers, Mich.
Farrell-Check Steel Foundry Co. (Industrial), Sandusky, Ohio
Ferguson & Lange Foundry Co. (Chilled), Clybourne av & Willow, Chicago, Ill.
Fisher Mine Equipment Co., ("Fisher's," Heavy Duty), W Newton, Pa.
Ford & Kimball, Concord, N. H.
Forged Steel Wheel Co. (Forged Steel), Pittsburgh, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Galena Iron Works Corp., Galena, Ill.
Griffin Wheel Co. (Chilled Iron Wheels of All Kinds), Main Office, 332 S Michigan av, Chicago, Ill.
Gustafson Mfg. Co., Chattanooga, Tenn.
Harris-Stevens Co., Pittsburgh, Pa.
Haskell & Barker Car Co., Michigan City, Ind.
Houston Car Wheel & Machine Co., Houston, Tex., & Hobart bldg, San Francisco, Cal.
Kilbourne & Jacobs Mfg. Co. (For Wood, Steel, Cast Iron Cars), Columbus, O.
*See adv index at end of book*
Kilby Car & Foundry Co., Anniston, Ala.
Laconia Car Co., 60 Congress, Boston, Mass. Works: Laconia, N. H.
Lobdell Car Wheel Co., Wilmington, Del.
Louisville Car Wheel & Railway Supply Co., Louisville, Ky.
Lucey Foundry & Machine Co., Chattanooga, Tenn.
Manistee Iron Works Co., Manistee, Mich.
Marshall Car Wheel & Foundry Co., Marshall, Tex.
Maryland Car Wheel Works, Curtis Bay, Baltimore, Md.
Midvale Steel & Ordnance Co. (Rolled Steel and Steel Tired), Widener bldg, Phila., Pa.
Mount Vernon Car Mfg. Co., Mt. Vernon, Ill.
National Car Wheel Co. (Chilled Iron), Keystone bldg, Pittsburgh, Pa.
New York Car Wheel Co. (All Kinds), Buffalo, N. Y.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Pennsylvania Casting & Machine Co., M. C. B. (For Mine Locomotives, Street Cars, etc), 501 Preble, Pittsburgh, Pa.
Pittsburgh Iron & Steel Foundries Co. (Industrial), Midland, Pa.
Portage Lake Foundry & Machine Co. (Chilled), Hancock, Mich.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Prosser Thos. & Son ("The Krupp"), 15 Gold, New York
Ramapo Foundry & Wheel Works, Ramapo, N. Y.
Reading Car Wheel Co. (Chilled), Buffalo, N. Y.
Russel Wheel & Foundry Co., Chene & Bl. RR, Detroit, Mich.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Sanford-Day Iron Works ("Whitney"), 612 Dale, Knoxville, Tenn.
Southern Wheel Co. (Chilled), Railway Exch. bldg, St. Louis, Mo.
Standard Car Wheel Co. (Chilled), 6704 Bessemer, Cleveland, O.
Steiger & Kerr Stove & Foundry Co., 2201 Folsom, San Francisco, Cal.

WHEELS (CAR)—continued

Tredegar Co., ft of 5th, Richmond, Va.
Tuscaloosa Iron Works, Tuscaloosa, Ala.
Union Iron Works, Hoboken, N. J.
Watt Mining Car Wheel Co., Barnesville, Ohio
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
**Youngstown Steel Car Co. (8 to 24 inches),** Niles, O.

## 16767—Wheels (Car, Ball or Roller Bearing)

**Bonney-Floyd Co. (Special Alloy Steel, Ball & Roller Bearing & All Types, Self-Lubricating), Columbus, O.**
**Buda Co., Railway Exch. bldg, Chicago, Ill.**
**Chase Foundry & Mfg. Co. (Roller Bearing), 2700 Parsons av, Columbus, O.**
*See adv index at end of book*
Fisher Mine Equipment Co. ("Fisher's Heavy Duty Roller Bearing Mine), W Newton, Pa.
Ottumwa Iron Wks (For Mine & Lumber Trucks), Ottumwa, Ia.
**Sanford-Day Iron Works ("Whitney"), Knoxville, Tenn.**

## 16768—Wheels (Carborundum & Aloxite Grinding)

**Carborundum Co., Niagara Falls, N. Y.**
Herbert Alfred, Ltd., 54 Dey, New York
*See adv index at end of book*

## 16769—Wheels (Carriage & Wagon)

**Archibald Guilford Wheel Co., Guilford, Conn.**
Archibald Wheel Co., Lawrence, Mass.
Armstrong Wm. H., South Coventry, Conn.
Avoca Wheel Co., Avoca, N. Y.
Baltimore Hub-Wheel & Mfg. Co., Fallsway & Gy, Baltimore, Md.
Bimel Spoke & Auto Wheel Co., Portland, Ind.
Bookwalter Wheel Co., Miamisburg, O.
Buckley John Hub, Spoke & Wheel Co., 969 N 2d, Phila., Pa.
Buffington Wheel Co., Burlington, Ia.
Concord Wheel Co., Concord, N. H.
Crane & MacMahon ("Hickory Nut," "Acorn"), 10 Bridge, New York
Daniels Geo. E. (Heavy), Rowley, Mass.
Dickinson Ball Bearing Wheel & Vehicle Co. (With Ball Bearing Boxes), Little Rock, Ark.
Eames Alfred M. & Co., Farmingham, Mass.
Eberly & Orris Mfg. Co., Mechanicsburg, Pa.
**ELECTRIC WHEEL CO.,** Station D, Quincy, Ill. *See adv index at end of book*
Ford & Co., Tippecanoe City, O.
Hinkel J. K. Mfg. Co., Mechanicsburg, Pa.
Holt Bros. Mfg. Co., Concord, N. H.
**Hoopes Bros. & Darlington (Inc.), West Chester, Pa.**
Jerome Henry, Worcester, Mass.
**Jones Phineas & Co., 305 Market, Newark, N. J.**
Kerr L. S. D., Frenchtown, N. J.
Kilbourne & Jacobs Mfg. Co. (Wagon), Columbus, O.
*See adv index at end of book*
**Lebzelter Phillip & Son Co. ("Star," "Warner"), Lancaster, Pa.**
**Luedinghaus - Espenschied Wagon Co. (Heavy), 1717 N B'way, St. Louis, Mo.**
McGlone Bros., Morehead, Ky.
Madison Wheel Co., Madison, O.
Merrill Francis S., Amesbury, Mass.
Mitchell Wheel Co., Miamisburg, O.
Muncie Wheel Co. ("Bannister"), Muncie, Ind.
Mutual Wheel Co., Moline, Ill.
Ness Bros. & Co., York, Pa.
New Haven Carriage Co., New Haven, Conn.
New Wapakoneta Wheel Co., Wapakoneta, Ohio.
Niles & Scott Co. (Heavy), La Porte, Ind.
North Carolina Wheel Co., High Point, N. C.
Oddy, Hodgson & Son, Wallingford, Conn.
Owensboro Wheel Co. (Wood), Owensboro, Ky.
Parry Mfg. Co., Indianapolis, Ind.
Pinneo & Daniels Co., Dayton, O.
Rex Buggy Co., Cennersville, Ind.
Rowe's Robt. Sons, Brentwood, N. H.
Shortsville Wheel Co. ("Sweet's"), Shortsville, N. Y.
Standard Wheel Co., Terre Haute, Ind.
Stevens A. E. & Co., Portland, Me.
Stinson Edward Mfg. Co., Guilford, Baltimore, Md.
Trammel Co., Gallatin, Tenn.
Union City Wheel Co., Union City, Ind.
Union Wheel Works, 53 Stanton, Newark, N. J.
West Falmouth Mfg. Co., West Falmouth, Me.
Wheel & Wood Bending Co., Bridgeport, Conn.
Whiteside Wheel Co., Indianapolis, Ind.

## 16770— Wheels (Caster)

Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Bond Foundry & Machine Co. Manheim, Lancaster Co., Pa.
*See adv index at end of book*
Clark W. J. Co. ("Clarco" Pressed Steel), Salem, O.
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Koenig Edward L., La Salle nr Lake, Chicago, Ill. *See adv index at end of book*
National Fibre & Insulation Co., Yorklyn, Del.
Peters' Jno. M. Sons (Wood Caster Rolls), Bleecker, N. Y.
Sommer John Faucet Co. (Wooden), 30 Morris, Newark, N. J.
Spaulding J. & Sons Co. (Hard Fibre), N. Rochester, N. H.
*See adv index at end of book*
Standard Fibre Co. (Hard Fibre), Miller st, Somerville, Mass.
Union Porcelain Works (Porcelain), 300 Eckford, Brooklyn, N. Y.
Victor Truck Co. ("Victor" Truck Casters), Johnsonburg, Pa.

## 16770a— *Wheels (Chain)

**BABBITT STEAM SPECIALTY CO.** ("Babbitt" Adjustable Sprocket Rim), New Bedford, Mass.

## 16771—Wheels (Chilled Bridge)

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Lobdell Car Wheel Co., G nr Christiana, Wilmington, Del.

## Wheels (Concrete Mixer)

See Wheels, Metal

## 16772— Wheels (Crane)

**American Manganese Steel Co. ("Amsco"** Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Bonney-Floyd Co. (Manganese & Various Carbon & Alloy Steels), Columbus, O.
Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*

## 16773—Wheels (Derrick Bull)

**Channon Jas. H. Mfg. Co. (For Swinging Booms on Derricks), 227 W Erie, Chicago, Ill.**
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
National Equipment Co., 122 S Michigan, Chicago, Ill.
**WILSON MACHINERY CO.,** 331 W 35th st, Chicago, Ill.
*See adv index at end of book*

## 16773a—Wheels (Derrick—Double Flange)

Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
National Equipment Co., 122 S Michigan, Chicago, Ill.
Wilson Machinery Co., 301-303 W 35th st, Chicago, Ill. *See adv index at end of book*

## 16774— Wheels (Disc)

Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Dayton Automotive Wheels, Dayton, O.

## 16775-6— Wheels (Driving)

**American & British Mfg. Co., Charles, Providence, R. I.**
**Brown A. & F. C., 79 Barclay, New York,**
**Chester Steel Casting Co., Chester, Pa.**
Commonwealth Steel Co. ("Davis" Steel), Pierce bldg, St. Louis, Mo.
**JEFFREY MFG. CO., 961 N 4th, Columbus, O.** *See adv index at end of book*
La Pierre H. M., 1314 W 21st, Chicago, Ill.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
New York Car Wheel Co., Buffalo, N. Y.
Ramapo Iron Works, Hillburn, N. Y.
Wason Mfg. Co., Springfield, Mass.

## Wheels (Driving, Steel Tired)

See Wheels, Steel Tired Car

## Wheels (Dry Kiln)

See Wheels, Metal

## 16777— Wheels (Felt)

**Bacon Felt Co. ("Bacon"), Winchester, Mass.**
**Day S. A. Mfg. Co., 1483 Niagara, Buffalo, N. Y.**
Eastern Felt Co. (For Polishing, etc., "Independence," "U S A," "X-L," "Victory," "Pearl," "Jewel"), Canal, Winchester, Mass.
Kerner W. R. & Co., 139 N Clark, Chicago, Ill.

## 16778—Wheels (Fibre Truck)

Continental Fibre Co., Newark, Del.
*See adv index at end of book*
**Lansing Co., Lansing, Mich.**
National Fibre & Insulation Co., Yorklyn, Del.
**Standard Fibre Co., Miller st, Somerville, Mass.**

## 16779-80— Wheels (Fifth)

**Donigan & Nielson ("Nielson"), 743 3d av, Brooklyn, N. Y.**
Eccles Richard Co., Auburn, N. Y.
Empire Roller Fifth Wheel Works (Roller), Quincy, Ill.
Gogel Mfg. Co. (Center & Rear King Bolt), Toledo, O.
Herbrand Co., Fremont, O.
Keystone Forging Co. ("Derby"), Northumberland, Pa.
King Fifth Wheel Co., 5027 Beaumont av, Phila., Pa.
Martin Rocking Fifth Wheel Co. (Truck Convertible), 21 Besse pl, Springfield, Mass.
Millersburg Fifth Wheel Co., Millersburg, Pa.
National Safety Fifth Wheel Co., Lancaster, Pa.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Superior Fifth Wheel Co., Superior, Wis.
Wilcox D. Mfg. Co. (Full Line), Mechanicsburg, Pa.

## 16781— Wheels (Fly)

**Brown A. & F. Co., 79 Barclay, New York**
Caldwell E. R. & Co., Bradford, Pa.
Carey W. W. Co. (Wood Rim, Iron Center), Lowell, Mass.
Cooper C. & G. Co., Mount Vernon, O.
Cresson-Morris Co. (Up to 30 ft), Allegheny & 18th, Phila., Pa.
Danville Iron & Steel Co., Danville, Pa.
**DODGE SALES & ENGINEERING CO** Mishawaka, Ind.
**Erie Forge Co. (Links), Erie, Pa.**
Eyster, Weiser & Co., York, Pa.
Filer & Stowell Co., Milwaukee, Wis.
Fitchburg Foundry Co., Fitchburg, Mass.
Fuller-Lehigh Co. (To Any Size), Fullerton, Pa. *See adv index at end of book*
Golden's Foundry & Machine Co., Columbus, Ga.
Goodnow L. H. F'dy Co. (Finished Read for Engine), Fitchburg, Mass.
Great Lakes Engineering Works, Real Es Exch. bldg, Detroit, Mich
Hanson Clutch & Machinery Co., Tiffin, O.
*See adv index at end of book*
Hardie-Tynes Mfg. Co., Birmingham, Ala.
Hill Clutch Co., W 65th, Cleveland, O.
**Interstate Foundry Co., E 61st & Erie R. R., Cleveland, O.**
Jones W. A. Foundry & Machine Co., 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.,** 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry, Phila., Pa.
*See adv index at end of book*

Mackintosh, Hemphill Co. (Large for Rolling Mills, etc.), ft of 12th, Pittsburgh, Pa.
**Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.**
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
**Nordberg Mfg. Co., Chicago & Oklahoma,** Milwaukee, Wis.
**Philadelphia Roll & Machine Co., 25th & Wash'n av, Phila., Pa.**
**Platt Iron Works Co., Dayton, O.**
**Poole Engineering & Machine Co. (Up to 50 ft Diameter & 12 ft Face), Woodberry Station, Baltimore, Md.**
**Pyott Co., 1401 W North av, Chicago, Ill.**
**Pyott Foundry Co., 328 N Sagamon, Chicago, Ill.**
**Taylor-Wilson Mfg. Co., McKees Rocks, Pa.**
United Iron Works, Inc., Kansas City, Mo.
**Vulcan Iron Works, Wilkes-Barre, Pa.**
Wearne Bros., Omaha, Neb.
Webster Mfg. Co., 4500-60 Courtland, Chicago, Ill.
*See adv index at end of book*
**WHITON D. E. MFG. CO. (Finished Ready for Gas Engines), New London, Conn.** *See adv index at end of book*
**Wood's T. B. Sons Co., Chambersburg, Pa.**

## 16782—Wheels (Fly Rope Pulley)

Finch Mfg. Co. (Sheave), Scranton, Pa.
Mackintosh, Hemphill Co. (Large), ft of 12th, Pittsburgh, Pa.

## 16783— Wheels (Gear)

**Bonney-Floyd Co. (Various Carbon Steels, Manganese & Alloy Steels), Columbus, Ohio**
Dundore Mfg. Co., Reading, Pa.
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Mesta Machine Co., Box 1124, Pittsburgh, Pa.
*See adv index at end of book*

## 16784—Wheels (Gear, Hard Fibre)

**DELAWARE HARD FIBRE CO.,** Wilmington Del. Works: Marshallton, Del. *See adv index at end of book*
Dundore Mfg. Co., Reading, Pa.
**National Fibre & Insulation Co., Yorklyn, Del.**
**WILMINGTON FIBRE SPECIALTY CO.,** Wilmington, Del.
*See adv index at end of book*

## 16785— Wheels (Gilding)

**Coe W. H. Mfg. Co.** ("Coe's" & "Coe's" Ribbon Gold Leaf), 74 Weybosset, **Providence, R. I.**

## 16786—Wheels (Hand & Push Car)

**Bonney-Floyd Co. (Special Alloy Steel, Manganese & Various Carbon Steels), Columbus, O.**
**Brown A. & F. Co., 79 Barclay, New York.**
**Eberly & Orvis Mfg. Co., Mechanicsburg, Pa.**
**ELECTRIC WHEEL CO., Station D, Quincy, Ill.** *See adv index at end of book*
**Eyster, Weiser & Co., York, Pa.**
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
**Kalamazoo Railway Supply Co. (Pressed Steel "Kalamazoo"), Kalamazoo, Mich.**
**Lansing Co., Lansing, Mich.**
**Little J. R. Metal Wheel Co., Quincy, Ill.**
Lobdell Car Wheel Co., Wilmington, Del.
**New York Car Wheel Co., Buffalo, N. Y.**
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.

## 16787—Wheels (Industrial Car)

**Bonney-Floyd Co. (Special Alloy Steel, Self-Lubricating, All Types), Columbus, O.**
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.

## 16788-9—Wheels (Logging)

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Grace C. M. & Co., Huntsville, Ala.
**Holt Mfg. Co., Stockton, Cal.**
**Little J. R. Metal Wheel Co., Quincy, Ill.**
Overpack S. C., Manistee, Mich.
Sanford-Day Iron Wks., 612 Dale, Knoxville, Tenn.
**Streich A. & Bro. Co. (10 to 12 Feet), Oshkosh, Wis.**

## 16790—Wheels (Marble & Granite Polishing)

**Bacon Felt Co. ("Bacon"), Winchester, Mass.**
Eastern Felt Co. ("Pearl" White, "Jewel" Gray), Canal, Winchester, Mass.
Harrison Supply Co., 209 Washington, Boston, Mass.

## 16791—Wheels (Marine Steering)

See also Gears, Marine Steering

Byrne, Kingston & Co. ("Kingston"), Kokomo, Ind.
**Edson Mfg. Co.** ("Edson"), 257 Atlantic av, **Boston, Mass.**
Gillie Machine Co., Tonawanda, N. Y.
Hall W. S. Co., Rochester, N. Y.
**LAPIERRE H. M. CO.,** 1314 W 21st, Chicago, Ill.
Laughlin, Thomas Co. ("Puritan" & "Challenge," etc.), Portland, Me.
**Marine Mfg. & Supply Co., 158 South, New York**
**Stoddart A. P. & Co., Gloucester, Mass.**
Wilcox, Crittenden & Co., Inc. (Bronze, Iron & Wood), Middletown, Conn.
*See adv index at end of book*

## 16792— Wheels (Metal)

**Aluminum Casting Co. (Aluminum Truck),** 2210 Harvard, Cleveland, O.
Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
**Baker A. D. Co., Swanton, O.**
**Bay State Metal Wheel Co., East Templeton, Mass.**
**Buchanan Electric Steel Co. (Truck), 806** Jackson blvd, **Chicago, Ill.**
Budd Wheel Corp. (Wire & Steel Automobile), Lehigh av & 22d, Phila., Pa.
**Bush Foundry & Metal Wheel Co., Quincy, Ill.**
**Clark W. J. Co. ("Clarco" for Gasoline Trucks), Salem, O.**
Dayton Steel Foundry Co. (Steel Truck) Dayton, O.
**ELECTRIC WHEEL CO.** ("Electric," Steel Wagon, Carts, etc.), Station D, Quincy, Ill. *See adv index at end of book*
**Empire Mfg. Co., Quincy, Ill.**
Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
**French & Hecht (Truck), Davenport, Ia.**
Geneva Metal Wheel Co. ("Geneva Security" All Steel), Geneva, O.
**Havana Metal Wheel Co., Havana, Ill.**
**Heartley Machine, Variety Iron & Tool Works (Children's Carriages, Wagons, Wheelbarrow, Implements, etc), 900 Summit, Toledo, O.**
**JACKSON MFG. CO.,** Fourth & Boyd, Harrisburg, Pa. *See adv index at end of book*
Kilbourne & Jacobs Mfg. Co. (Steel & Cast Iron), Columbus, O.
*See adv index at end of book*
**Knox Metal Wheel Co., Knox, Ind.**
**Lansing Wheelbarrow Co., Lansing, Mich.**
**Little J. R. Metal Wheel Co. (Truck & For All Purposes), Quincy, Ill.**
**Massillon Steel Casting Co., Massillon, O.**
**Michigan Steel Casting Co., 248 Guoin, Detroit, Mich.**
**Mott Wheel Works (Wire), Jackson, Mich.**
**Niles & Scott Co., Laporte, Ind.**
Parker Wheel Co., 3778 E 78th, Cleveland, Ohio
**Peru Plow & Wheel Co., Peru, Ill.**
Pettis W. W. Co., 416-417 First National Bank bldg, Cincinnati, O.
*See adv index at end of book*
**Prudden Wheel Co. (Motor Truck), Lansing, Mich.**
**Shunk Plow Co. (Steel for Farm Wagons), Bucyrus, O.**
**Smith Wheel (Inc.), (Metal Wheels for Trucks), Syracuse, N. Y.**
**Standard Steel Castings Co. (For Motor Trucks), 3311 W 73d, Cleveland, O.**
**STERLING WHEELBARROW CO.,** West Allis, Wis. *See adv index at end of book*
**Toledo Metal Wheel Co. (Small Wheels for Toy Automobiles, Baby Carriages, etc), Toledo, O.**
Victor Truck Co. ("Victor" Casters), Johnsonburg, Pa.
West Steel Casting Co. (Truck), 805 E 70th, Cleveland, O.
**Western Wheelbarrow Mfg. Co. ("Copper" Patent), South Ft. Smith, Ark.**
Wharton Wm. J,. & Co., Inc. (Cast, Steel, Hollow, Spoke, Truck), Easton, Pa.
**Williams Steel Wheel & Rim Co., Utica, N. Y.**
Youngstown Pressed Steel Co. (Furrow & Gong), Warren, O.
*See adv. index at end of book*
Zering H. Mfg. Co., Oakley, Cincinnati, O.
*See adv index at end of book*

## 16793—Wheels (Mine Car)

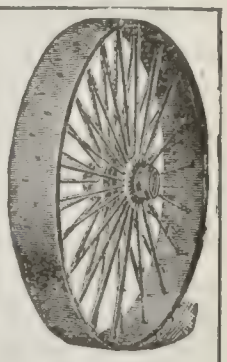
**American Car & Foundry Co. (Self-Oiling), Syndicate Trust bldg, St. Louis, Mo.**
**American Manganese Steel Co. ("Amsco"** Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
**American Steel Foundries, McCormick bldg, Chicago, Ill.**
**Atlas Car & Mfg. Co., Cleveland, O.**
*See adv index at end of book*
Bartlett A. F. & Co., Saginaw, Mich

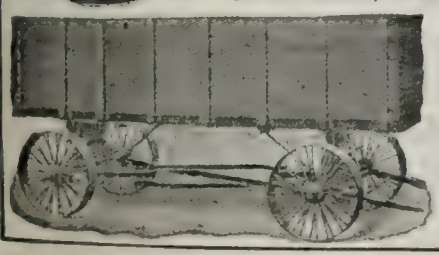
"ELECTRIC STEEL WHEELS"

*The Built-to-last Kind*

**For any purpose, any size or width of Tire to fit any kind or size of axle**

Wheels for Truck Wagons, Contractors' Wagons and Carts; Farm Implements, CONCRETE MIXERS, Road Machinery, Log Wagons, Portable Mounts, TRACTION ENGINES, Heavy Trucks of all kinds; also complete Farm Trucks, Log and Freighting Wagons, wood and steel axles.





HEAVY FREIGHTING WAGONS

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ELECTRIC WHEEL COMPANY

Station "D," QUINCY, ILL., U. S. A.

WHEELS (MINE CAR)—continued

Bonney-Floyd Co. (Special Alloy Steel, All Types, Self-Lubricating), Columbus, O.
Bowler Fdy. Co. (Chilled), 1688 Columbus, Cleveland, O.
Buda Co., Railway Exch bldg, Chicago, Ill.
Cherry Tree Machine Co. (Ring Oiler), Cherry Tree, Pa.
Connellsville Machine & Car Supply Co., Connellsville, Pa.
Duncan Foundry & Machine Works ("Hercules" Chilled), Alton, Ill.
Eagle Iron Works ("Eagle"), Des Moines, Ia.
Eagle Iron Works Co. ("Parker"), Terre Haute, Ind.
Easton Car & Construction Co., 198 Fulton, New York
*See adv index at end of book*
Edgewater Steel Co., Edgewater Station & A. V. RR, Pittsburgh, Pa.
Egyptian Iron Works, Murhysboro, Ill.
Enterprise Foundry & Machine Works (A. W. Whitney's" Self-Oiling), Bristol, Tenn.
Eyster, Weiser & Co., York, Pa.
Fairmount Mining Machinery Co. (Self-Oiling), Fairmount, W. Va.
Fisher Mine Equipment Co. ("Fisher's" Heavy Duty), W Newton, Pa.
Fleming J. R. & Son Co., Scranton, Pa.
*See adv index at end of book*
**FULLER-LEHIGH CO.**, Fullerton, Pa.
*See adv index at end of book*
Fulton Pit Car Co. (Semi-Steel), Canal Fulton, Ohio
Galena Iron Works Corp., Galena, Ill.
Griffin Wheel Co., 332 S Michigan av, Chicago, Ill.
Gustafson Mfg. Co. ("Gustafson" Self-Oiling Roller Bearing), Chattanooga, Tenn.
Harman & Hassert, Bloomsburg, Pa.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hempfield Foundry, Greensburg, Pa.
Herzler & Henninger Machine Works, Belleville, Ill.
Hockensmith Wheel & Mine Car Co. ("Eureka" Roller Bearing, etc.), Penns Station, Pa.
Industrial Iron Works, Clinton, Mo.
Irwin Foundry & Mine Car Co. ("Eureka" Waste Packed), Irwin, Pa.
Kanawha Mfg. Co. (Wheels & Axles), Charleston, W. Va.
Kilby Car & Foundry Co., Anniston, Ala.
Lake Shore Engine Works ("Florida Improved"), Marquette, Mich.
Lansing Co., Lansing, Mich.
Litchfield Fdry. & Mach. Co., Litchfield, Ill.
Lobdell Car Wheel Co. ("Faught's"), Closed Hub, Self-Oiling Chilled Wheels), Wilmington, Del.
Love Mfg. Co. (Self-Oiling), Corry, Pa.
Lucey Foundry & Machine Co., Chattanooga, Tenn.
Mineral Ridge Mfg. Co., Mineral Ridge, O.
National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, O.
New York Car Wheel Co., Buffalo, N. Y.
Niles Mine & Supply Co., Niles, O., & Williamson bldg, Cleveland, O.
Oliver Wm. J. Mfg. Co., Knoxville, Tenn.
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.
Pittsburgh Iron & Steel Foundries Co. (Roller Bearing), Midland, Pa.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
Railway & Mine Supply Co., McCormick bldg, Chicago, Ill.
Ramapo Fdry. & Wheel Works, Ramapo, N. Y.
Reliance Steel Casting Co., 28th & Smallman, Pittsburgh, Pa.
Sanford-Day Iron Works ("Whitney" Roller Bearing), 612 Dale, Knoxville, Tenn.
South Fork Foundry & Machine Works, South Fork, Pa.
Southern Wheel Co. Railway Exch. bldg, St. Louis, Mo.
Star Mfg. Co., New Lexington, O.
Stine S. B., Osceola Mills, Pa.
Union Iron Works (Inc.), Spokane, Wash.
United Iron Works, Inc., Kansas City, Mo.
Watt Mining Car Wheel Co. (Self-Oiling & Roller Bearing), Barnesville, O.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.
Wilkes-Barre Iron Mfg. Co., Wilkes-Barre, Pa.

## Wheels (Motor Truck)

See Wheels, Metal

## 16794—Wheels (Pipe Cutter)

Barnes Tool Co. ("Saunders'" "Barnes" Genuine), New Haven, Conn.
Collmer Bros., South Bend, Ind.
Crown Die & Tool Co. ("Crown") Patented Serrated), 553 W Monroe, Chicago, Ill
Ellis & Ford Mfg. Co., Detroit, Mich.
Keystone Specialty Co., Scranton, Pa.
Mark Mfg. Co., Evanston, Ill.
National Acme Co., 7500 Stanton av, S E Cleveland, O.
Walworth Mfg. Co., Boston, Mass.

## Wheels (Polishing)

See Wheels, Buffing & Polishing

## 16795—Wheels (Pressed Steel)

Buda Co., Railway Exch. bldg, Chicago Ill.
Chase L. C. & Co. ("Chase" for Children's & Baby Carriages), 89 Franklin, Boston, Mass. *See adv index at end of book*
Clark W. J. Co. ("Clarco"), Salem, O.
Galesburg Coulter-Disc Co., Galesburg, Ill
Indestructible Wheel Co., Lebanon, Ind.
Strobl Mfg. Co., 410 N Western av, Chicago, Ill.

Tel. Seeley 7416
**STROBL MFG. CO.**
Pressed Steel Rubber Tired Wheels for Children's Vehicles and Toys
We are the exclusive makers of Wheels under the Strobl Patents
410 N. Western Ave.


## 16796— Wheels (Propeller)

See also Ship Builders

American Manganese Bronze Co. (Bronze) 3501 Rhawn, Phila., Pa.
Am. Screw Propeller Co., Penfield bldg Phila., Pa.
American Standard Shipfittings Corp., 11 B'way, New York
*See adv index at end of book*
Auto Engine Works (For Boats), University & Griggs av, St. Paul, Minn.
Barber Bros. (Reversing), Syracuse, N. Y
Bay City Iron Co., Bay City, Mich.
Bryant & Berry Co. ("B. & B."), 32 W Atwater, Detroit, Mich.
Cahill W. S. Co., Key Highway & Webster, Baltimore, Md.
Camden Anchor-Rockland Machine Co. ("Knox"), Camden, Me.
Chester Steel Casting Co., Chester, Pa.
**Columbian Bronze Corp. ("Columbian")**, 522 5th av, New York
Cramp Wm. & Sons Ship & Engine Building Co., Beach & Ball, Phila., Pa.
Detroit River Iron Works, 661 E. Atwater, Detroit, Mich.
Duluth Gas Engine Works ("Crescent"), Duluth, Minn.
Erie Specialty Co. (Brass & Bronze), 520 W 12th, Erie, Pa.
Ferguson F. & Son, Hoboken, N. J.
Frontier Engineering Co., Detroit, Mich.
Gibson & Kirk Co. (Brass for Launches etc), 217 Key Highway, Baltimore Md.
Great Lakes Engineering Works, Real Est. Exch. bldg, Detroit, Mich.
Hopedale Mfg. Co., Roper Dept., Milford, Mass.
Hyde Windlass Co. ("Gale"), Bath, Me.
Lacy Jas. J. Co., Block & Wills, Baltomore, Md.
Lake Shore Engine Works ("New Superior" Reversible), Marquette, Mich.
Laughlin Thos. Co. (Bronze), Portland, Me.
List E. J. Mfg. Co., Havana, Ill.
Lockwood Mfg. Co., 44 N Market, Boston, Mass.
McFarland Foundry & Machine ("Harthan"), Trenton, N. J.
Marine Hardware Co. ("Geyer" Reversible), Peabody, Mass.
Marine Hardware - Equipment Co. ("Acme" Manganese Bronze), South Portland, Me.
Michigan Wheel Co., Grand Rapids, Mich.
Montague Iron Wks. (From 3 to 10 ft. in Diameter), 189 W Madison, Chicago, Ill.
Moore Sam'l L. & Sons, Elizabeth, N. J
Morris Machine Works, Baldwinsville, N. Y.
New London Marine & Iron Works, New London, Conn.
Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
*See adv index at end of book*
Portland Co., Portland, Me.
Pusey & Jones Co. (Also Gearing Wheels), Wilmington, Del.
Reeves Paul S. & Co. ("Reeves" Tubal Manganese Bronze, also Brass, Bronze & Phosphor Bronze), 1415 Cathrine, Phila., Pa.
Shaw Propeller Co. ("Shaw" Marine), 15 Elkins), Boston, Mass.
Sheriffs Mfg. Co., Milwaukee, Wis.
Sterling Engine Co. ("Sterling" Reversible Blade for Motor Boats), Buffalo, N. Y.
Sullivan Jno. W. Co., 827 E 9th, New York
Thacher Propeller & Foundry Corp., Albany, N. Y.
Trout H. G. Co., Buffalo, N. Y.
Vanadium Metal Co., Vanadium bldg, Pittsburgh, Pa.

## 16796a— Wheels (Pulley)

Bogert & Hopper, Inc. (Wood), 57 Barclay, New York
*See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*

## 16797—Wheels (Racking Chain)

Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.

## 16798—Wheels (Radiator Valve Wood)

See also Wheels, Valve, Wood

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
ESTES E. B. & SONS, 364 5th av, New York *See adv index at end of book*
Standard Turning Works, Cambridge, Mass.
Thayer Geo. A., Watson, Mass.

## 16799—Wheels (Ratchet Brake)

American Vulcanized Fibre Co. (Fibre) 504 Equitable bldg, Wilmington, Del.
Baker John S. ("Beverly" Ratchet Clutch Vertical, for Vestibuled Street Cars), Beverley, Mass.
Pressed Steel Car Co., 307 5th av, Pittsburgh, Pa.
St. Louis Car Co., 8000 N B'way, St. Louis, Mo.
Western Steel Car & Foundry Co., 122 S Michigan, Chicago, Ill.

## 16800— Wheels (Reducing)

See also Indicators; also Planimeters

American Steam Gauge & Valve Mfg. Co., 203 Camden, Boston, Mass.
Ashcroft Mfg. Co. (For Steam & Gas Engine Indicators), 119 W 40th, New York
Bushnell John S. & Co. ("Ideal"), 146 Liberty, New York
CROSBY STEAM GAGE & VALVE CO. ("Crosby"), 40 Central, Boston, Mass
*See adv index at end of book*
Mallery S. W. (Indicator), 123 Liberty, New York
Robertson Jas. L. & Son ("The Victor"), 78 Murray, New York
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.
Thompson Richard & Co. ("Ideal"), 126 Liberty, New York
Trill Indicator Co. ("Faultless"), Corry, Pa.

## 16801—Wheels (Roller Bearing)

Bonney-Floyd Co. (Special Alloy Steel for Mine & Industrial Cars, Self-Lubricating), Columbus, O.
EASTON CAR & CONSTRUCTION CO., 198 Fulton, New York
*See adv index at end of book*
Gustafson Mfg. Co., Chattanooga, Tenn.
Lucey Foundry & Machine Co., Chattanooga, Tenn.

Railway & Mine Supply Co., McCormick bldg, Chicago, Ill.
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.

## 16802—Wheels (Roller Skate)

American Vulcanized Fibre Co. (Fibre), 504 Equitable bldg, Wilmington, Del.
Bogert & Hopper, Inc. (Wooden), 57 Barclay, New York
*See adv index at end of book*
Boston Pressed Metal Co. (To Order Only), 170 Union, Worcester, Mass.
Continental Fibre Co. (Vulcanized Fibre), Newark, Del. *See adv index at end of book*
**DELAWARE HARD FIBRE CO.** (Fibre), Wilmington, Del. Works: Marshallton, Del. *See adv index at end of book*
Diamond State Fibre Co. (Fibre), Bridgeport, Pa.
**ESTES E. B. & SONS** (Wooden), 364 5th av, New York *See adv index at end of book*
Flagg Stanley G. & Co. (Mall, Iron), Morris bldg, Phila., Pa.
Matthews Mfg. Co. (Steel), 104 Gold, Worcester, Mass.
National Fibre & Insulation Co. (Fibre), Yorklyn, Del.
Paulding J. & Sons Co., Inc. (Hard Fibre), P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book*
Union Hardware Co., Torrington, Conn.
Worcester Pressed Steel Co., Worcester, Mass.

## 16803— Wheels (Rope)

Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*
Vesta Machine Co., Box 1124, Pittsburgh, Pa. *See adv index at end of book*

## 16804—Wheels (Rubber Tired)

Clark Geo. P. Co. (Trucks & Furniture), Windsor Locks, Conn.
Clark W. J. Co. (Clarco"), Salem, O.
Lansing Co. (Truck), Lansing, Mich.
Keeker Mfg. Co., Dayton, O.
Lowell Cushion Wheel Co., 1296 Gratiot, Detroit, Mich.

## 16805— Wheels (Self-Oiling)

(For Mine & Other Light Cars)

American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
American Scale Co., Kansas City, Mo.
Atlas Car & Mfg. Co., Cleveland, O.
*See adv index at end of book*
Binney-Floyd Co. (Special Alloy Steel for Mine & Industrial Cars, All Types), Columbus, O.
Chrome Steel Works (Mine Car, Canada Patent), Chrome, N. J.
Denver Engineering Works Co., Denver, Col.
Duncan Foundry & Machine Works (Chilled), Alton, Ill.
**EASTON CAR & CONSTRUCTION CO.**, 198 Fulton, New York
*See adv index at end of book*
Fairmont Mining Machinery Co. (Mine Car), Fairmont, W. Va.
Fuller Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Gatafson Mfg. Co. (For Mine Cars), Chattanooga, Tenn.
Hanson Clutch & Machy. Co., Tiffin, Ohio.
*See adv index at end of book*
Helmick Foundry & Machine Co. (Chilled), Fairmont, W. Va.
Holbourne & Jacobs Mfg. Co., Columbus, Ohio *See adv index at end of book*
Huron Shore Engine Works ("Flodin"), Marquette, Mich.
Lansing Co., Lansing, Mich.
Lobdell Car Wheel Co. ("Faught's" Closed Hub), Wilmington, Del.
Lucey Foundry & Machine Co. ("Mocasin"), Chattanooga, Tenn.
Ottumwa Box Car Loader Co. (Mine Car), Ottumwa, Ia.
Phillip's Mine Supply Co., 2227 Jane, Pittsburgh, Pa.
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.
Southern Wheel Co., Railway Exch. bldg, St. Louis, Mo.
Stone S. B., Osceola Mills, Pa.
Truax Mfg. Co., Denver, Col.
Union Iron Works, Spokane, Wash.
**United Iron Works, Inc., Kansas City, Mo.**
Watt Mining Car Wheel Co. (Mine Car), Barnesville, O.

## 16806—Wheels (Solid Forged & Rolled Steel)

**Standard Steel Works Co.**, Morris bldg, Phila., Pa.

## 16807—Wheels (Solid Rubber)

Home Rubber Co. (Brewers', etc), Trenton, N. J.

## 16808— Wheels (Spinning)

Pierce F. B. Co., Keene, N. H.

## 16809— Wheels (Sprocket)

**American Manganese Steel Co. ("Amsco"** Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Bailey-Burruss Mfg. Co., Atlanta, Ga.
Baldwin Chain & Mfg. Co., Worcester Mass.
Barnard & Leas Mfg. Co., Moline, Ill.
**BARTLETT C. O. & SNOW CO.**, Fall st, Cleveland, O.
*See adv index at end of book*
Blount Engineering Co., 100 High, Boston, Mass.
Brown A. & F. Co., 79 Barclay, New York
Bullock Chas. K., 1357 Ridge av, Phila., Pa.
Caldwell W. E. Co., Louisville, Ky.
Chain Belt Co., Milwaukee, Wis.
Channon Jas. H. Mfg. Co., 227 W Erie, Chicago, Ill.
Chisholme-Moore Mfg. Co. (Chain), 5046 Lakeside, Cleveland, O.
Cresson-Morris Co., Allegheny & 18th, Phila., Pa.
Crofoot Gear Works, Cambridge, Mass.
Cullman Wheel Co., 1346 Altgeld, Chicago, Ill.
Davis Rodney, 624 Race, Phila., Pa.
**DIAMOND CHAIN & MFG. CO.**, Indianapolis, Ind.
Diamond Iron Works (For Saw Mills, etc), 2nd & 18th av N, Minneapolis, Minn.
Farnum Mfg. Co., 39 Indiana, Buffalo, N. Y.
Filer & Stowell Co., Milwaukee, Wis.
**FOOTE BROS. GEAR & MACHINE CO.** (Plain or Hub), 213 N Curtis, Chicago, Ill. *See adv index at end of book*
Fuller Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**GANSCHOW WM. CO.** (Plain or Hub), 1001 Washington blvd, Chicago, Ill.
*See adv index at end of book*
Garland M. Co., Bay City, Mich.
Great Western Mfg. Co., Leavenworth, Kan.
Hill Clutch Co., W 65th, Cleveland, O.
James D. O. Mfg. Co. (Plain or Hub), 1120 W Monroe, Chicago, Ill.
**JEFFREY MFG. CO.**, 961 N Fourth, Columbus, O. *See adv index at end of book*
Jones W. A. Foundry & Machine Co. (For Chain Drives, Gearing), 4401 W 12th, Chicago, Ill.
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill. & Hunting Park av, & P. & R. Ry, Phila., Pa.
*See adv index at end of book*
Mead-Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
Medart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
Meese & Gottfried Co., 660 Mission, San Francisco, Cal.
Meisel Press Mfg. Co., 942 Dorchester av, Boston, Mass.
Michigan Sprockett Chain Co., Delray, Detroit, Mich.
Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.
Moline Malleable Iron Co., St. Charles, Ill.
Muncie Gear Works, Muncie, Ind.
New England Pressed Steel Co., Natick, Mass.
Nordyke & Marmon Co., Kentucky av & Morris, Indianapolis, Ind.
**NUTTALL, R. D. CO.**, McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
Parish & Bingham Co. (Motorcycle), Madison av & W 106th, Cleveland, O.
Philadelphia Gear Works, East Vine, Phila., Pa.
Portland Iron Works, 14th & Northrup, Portland, Ore.
Pyott Co., 1401 W North av, Chicago, Ill.
Sier-Bath Co., 143 W 54th, New York
**Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, O.**
Stephens-Adamson Mfg. Co., Aurora, Ill.
Union Malleable Iron Co., East Moline, Ill.
United Iron Works, Inc., Kansas City, Mo.
**WEBSTER MFG. CO.**, 4500-60 Courtland, Chicago, Ill
*See adv index at end of book*
Weller Mfg. Co., 1856 N Kostner av, Chicago, Ill.
Woburn Gear Works, Woburn, Mass.

## 16810-1—Wheels (Steel Tired Car)

Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
Lobdell Car Wheel Co., Wilmington, Del.
Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
Prosser Thos. & Son (the Krupp), 15 Gold, New York
Railway Steel Spring Co., 30 Church, New York
Sanford-Day Iron Works, 612 Dale, Knoxville, Tenn.
Standard Steel Works Co. (Car & Locomotive), Morris bldg, Phila., Pa.
Taylor Electric Truck Co. ("Taylor"), Troy, N. Y.
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.

## Wheels (Steel Truck)

See Wheels, Metal

## 16812—*Wheels (Steel Vehicle)

See also Wheels, Metal

**ELECTRIC WHEEL CO.**, Station D, Quincy, Ill. *See adv index at end of book*

## Wheels (Steering)

See Wheels, Automobile Steering; also Wheels, Marine Steering

## Wheels (Street Car)

See Wheels, Car

## 16813— Wheels (Toy Cart)

**BOGERT & HOPPER, INC.**, 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons (Wood), 364 5th av, New York. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## 16814— Wheels (Tracing)

Cassady, Fairbank Mfg. Co., 6126 S La Salle, Chicago, Ill.
Lowentrant P. Mfg. Co., 36 Brenner, Newark, N. J.
Osborne C S. & Co., Box 183, Newark, N. J. *See adv index at end of book*

## 16815— Wheels (Traction)

Andrews Heating Co., Minneapolis, Minn.
Electric Wheel Co. (Engine), Station D, Quincy, Ill. *See adv index at end of book*
Fuller-Lehigh Co., Fullerton, Pa.
*See adv index at end of book*
**LINK-BELT CO.**, 329 W 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Phila., Pa.
*See adv index at end of book*

## 16815a— Wheels (Tractor)

Mansfield Steel Corp., 288 E Milwaukee av, Detroit, Mich.
Wharton Wm. Jr. & Co., Inc. ("P. T."; Tractor, Track Laying), Easton, Pa.

## 16816—Wheels (Traveling Crane)

American Manganese Steel Co. ("Amsco" Brand Manganese Steel), 332 S Michigan av, Chicago, Ill.
Lobdell Car Wheel Co. (Chilled Double Flange), Wilmington, Del.
New York Car Wheel Co., Buffalo, N. Y.

## 16817— Wheels (Trolley)

**Advance Mfg. & Tool Co.** 1244 St. Clair av, Cleveland, O.
**American Safety Lamp & Mine Supply Co.**, Scranton, Pa.
**Anderson Albert & J. M. Mfg. Co.** ("West End," Made of Special Metal), 289 A, Boston, Mass.
**Bayonet-Trolley-Harp Co.** ("Bayonet," Pure Copper, Self - Lubricating), Springfield, O.
**Benedict & Burnham Branch** ("Franklin"), Waterbury, Conn.
**Brady Brass Co.** ("Cyprus"), 170 14th, Jersey City, N. J.
**Buckeye Iron & Brass Works** (Bronze), Dayton, O.
**Columbia Machine Works & Malleable Iron Co.**, Atlantic av & Chestnut, Brooklyn, N. Y.
**Edna Brass Mfg. Co.**, Cincinnati, O.
**Electrical Material Co.** ("Urban," "Interurban"), 618 W Jackson blvd, Chicago, Ill.
**Electric Ry. Equipment Co.**, Cincinnati, O.
**Eureka Co.** (Bronze), North East, Pa.
**Flood City Mfg. Co.**, Johnstown, Pa.
**Fuller-Lehigh Co.**, Fullerton, Pa.
*See adv index at end of book*
**GENERAL ELECTRIC CO.** (Composed of a Copper Alloy, Self-Lubricating), Schenectady, N. Y.
*See adv index at end of book*
**Graham Jas. & Co.**, New Haven, Conn.
**Hensley Trolley & Mfg. Co.**, 370 Holden av, Detroit, Mich.
**Hercules Metal Works** (Bronze), Catasauqua, Pa.
**Hodgkins J. F. Co.**, Gardner, Me.
**Holden & White**, Fisher bldg, Chicago, Ill.
**Holland Trolley Supply Co.**, 1623 E 43d, Cleveland, O.
**International Register Co.** ("Excelsior"), 15 Throop, Chicago, Ill.
**Ives H. B. Co.** ("New Haven"), New Haven, Conn.
**Janney & Company** (Straight & Flanged), Montgomery, Ala.
*See adv index at end of book*
**Lovell F. H. & Co.**, Arlington, N. J.
**Magnus Co.**, 111 B'way, New York
**MORE-JONES BRASS & METAL CO.** (Lubricated Oilless), B'way & Dock, St. Louis, Mo.
*See adv index at end of book*
**National Brass Mfg. Co.** (Also "Standard" Sleet Wheels), Rochester, N. Y.
**NUTTALL R. D. CO.**, McCandless & Harrison av, Pittsburgh, Pa.
*See adv index at end of book*
**Sackett Mine Supply Co.**, 164 N 3d, Columbus, O.
**Star Brass Works** ("Kalamazoo," Pure Copper), Kalamazoo, Mich.
**Stuart-Howland Co.** ("Amesbury"), 234 Congress, Boston, Mass.
**Universal Trolley Wheel Co.**, Northampton, Mass.
**Wesco Supply Co.** ("Wesco," Pure Copper), 7th & Clark av, St. Louis, Mo.

## 16817a— Wheels (Truck)

**Dayton Steel Foundry Co.**, Dayton, Ohio.
**Divine Bros. Co.** (Steel), Utica, N. Y
**Standard Scale & Supply Co. Ltd.** (Wagon, etc.), 1631 Liberty av, Pittsburgh, Pa. *See adv index at end of book*
**Sterling Wheelbarrow Co.** ("Sterling" Steel), Milwaukee, Wis.
**Stevens A. E. & Co.**, Portland, Me.
**Victor Truck Co.** ("Victor"), Johnsonburg, Pa.
**Wharton Wm. Jr. & Co., Inc.** (Hollow Spoke Cast Steel), Easton, Pa.
**Wilmington Fibre Specialty Co.**, Wilmington, Del. *See adv index at end of book*

## 16818—Wheels (Valve, Metal)

**American Foundry & Mfg. Co.**, 11th & Hebert, St. Louis, Mo.
**Forg Peter Mfg. Co.** (Pressed Steel), 50 Park, Somerville, Mass.
**Hodge & Stone**, Middletown, Conn.
**Kelly & Jones Co.**, 135 Water, Pittsburgh, Pa.
**Marble W. P. Co.**, 15 Chardon, Boston, Mass.
**Pittsburgh Valve & Fittings Co.**, Frick bldg, Pittsburgh, Pa.
**Powell Wm. Co.**, Cincinnati, O.
*See adv index at end of book*
**Walworth Mfg. Co.**, Boston, Mass.
**Yonts C. H. & Co.** ("Noburn"), Meadville, Pa.

## 16819—Wheels (Valve Wire)

**Lynd L. E. Mfg. Co.** ("Zero"), Mechanicsville, N. Y.
**Sawyer Tool Mfg. Co.** ("Prouty"), Ashburnham, Mass.

## 16820—Wheels (Valve, Wood)

See also Wheels, Radiator Valve

**Bogert & Hopper, Inc.**, 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons**, 364 5th av, New York *See adv index at end of book*
**Holton-Abbott Mfg. Co.** ("Kantsplit," Wood Metal Unitized), 59 Goram, West Somerville, Mass.
**Piqua Handle & Mfg. Co.**, P. O. Box 307, Piqua, O.
**South Bend Dowell Wks.** (Wood, Log), South Bend, Ind.
**Standard Turning Works**, Cambridge, Mass.
**STILES H. A. & CO.** (Wood), 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Wheels (Vehicle)

See Wheels, Metal: also Wheels, Steel Vehicle

## Wheels (Wagon)

See Wheels, Carriage & Wagon

## 16821— Wheels (Well)

**American Foundry & Mfg. Co.**, 11th & Hebert, St. Louis, Mo.
**Channon Jas. H. Mfg. Co.** (Cast Iron), 227 W Erie, Chicago, Ill.
**Colebrookdale Iron Co.** (Or Gin Wheels), Pottstown, Pa.
**Laughlin Thos. Co.** (Anti-Friction), Portland, Me.
**New London Vise Works** (Roller Bushed), New London, Conn.
**Reading Hardware Co.**, Reading, Pa.
**Sargent & Co.**, New Haven, Conn.
**Susquehanna Casting Co.**, Wrightsville, Pa.
**Weller Hdw. & Fdry. Co.**, Horseheads, N. Y.
**Wilcox, Crittenden & Co., Inc.**, Middletown, Conn. *See adv index at end of book*
**Wrightsville Hardware Co.**, Wrightsville, Pa.

## Wheels (Wheelbarrow)

See Wheels, Barrow: also Wheels, Metal

## 16822— Wheels (Wire)

**Bridgeport Engineering Co.** ("Dunlap" Automobile), Stratford, Conn.
**Budd Wheel Corp.** (Automobile), Lehigh av & 22nd, Phila., Pa.
**Cameron Wire Wheel Co.**, 47 Adelaide, Detroit, Mich.
**Dayton Wire Wheel Co.** (Ford & Chevrolette), Dayton, O.
**Detroit Wire Wheel Corp.**, 237 Clayton, Detroit, Mich.
**Kelly Automobile Co.**, 4560 W Congress, Chicago, Ill.
**Lee & Porter** (With Channel Irons for Cushion Rubber Tires), Buchanan, Mich.
**Mott Wheel Works**, Jackson, Mich.
**National Wire Wheel Works** (For Automobiles & Aeroplanes), Geneva, N. Y.
**Phelps Mfg. Co.**, Columbus, O.
**Rastetter Louis Sons**, Fort Wayne, Ind.
**Reed & Curtis Machine Screw Co.**, Worcester, Mass.
**STANDARD ROLLER BEARING CO.** ("Rudge Whitworth"), 50th & Lancaster av, Phila., Pa.
**Stewart Wire Wheel Corp.**, Frankfort, Ind.
**Universal Welding Co.**, St. Anne, Ill.
**Weston-Mott Co.** (Steel Rims), Flint, Mich.

## 16823—Wheels (Wire Spoke)

**Gendron Wheel Co.**, Toledo, O.
**Toledo Metal Wheel Co.**, Toledo, O.

## Wheels (Wood)

See Wheels, Carriage & Wagon

## Wheels (Worm)

See Gears, Worm

## 16824—Wheels & Axles (Ball or Roller Bearing)

**Archibald Wheel Co.**, Lawrence, Mass.
**Atlas Car & Mfg. Co.**, Cleveland, O.
*See adv index at end of book*
**Bonney-Floyd Co.** (Special Alloy Steel, Roller Bearing, Self - Lubricating), Columbus, O.
**Buda Co.**, Railway Exch. bldg, Chicago, Ill.
**Burgess & Norton Mfg. Co.** ("Gazelle" Ball Bearing Vehicle Axles), Geneva, Ill.
**Concord Axle Co.** ("Brown's" Roller Bearing), Penacook, N. H.
**Dobbie Foundry & Machine Co.**, Niagara Falls, N. Y. *See adv index at end of book*
**Duncan Foundry & Machine Works** (Roller Oiled), Alton, Ill.
**EASTON CAR & CONSTRUCTION CO.**, (Plain Roller Bearing), 198 Fulton, New York *See adv index at end of book*
**Evans & Coppins Co.** (Ball), Princeton, Ill.
**Fuller-Lehigh Co.**, Fullerton, Pa.
*See adv index at end of book*
**Gustafson Mfg. Co.**, Chattanooga, Tenn.
**Hutchinson Jno. Mfg. Co.** (Roller Bearings), Jackson, Mich.
**Lee & Porter Mfg. Co.** ("Porter" Vehicle), Buchanan, Mich.
**Pittsburgh Iron & Steel Foundries Co.** (Roller Bearing Wheels), Midland, Pa.
**Sheldon Axle & Spring Co.** (Ball Bearing & Roller Bearing Motor Trucks Axles), Wilkes-Barre, Pa.
**Southern Wheel Co.**, Railway Exchange bldg, St. Louis, Mo.
**Timken Roller Bearing Co.** (Roller Bearing Only), Canton, O.
**United Iron Works, Inc.**, Kansas City, Mo.
**Weston-Mott Co.** (Automobile, etc), Flint, Mich.
**Youngstown Steel Car Co.**, Niles, O.

## 16825-6— Whetstones

**Bracher Co.**, Belleville, N. J.
**Pike Mfg. Co.**, Pike, N. H.
**Scranton Whetstone & Abrasive Wheel Co.** ("Ideal"), Scranton, Pa.

## 16827— Whip Mfrs.

**American Whip Co.**, Westfield, Mass.
**Austin-Warren Co.**, Westfield, Mass.
**Bardall J. C. Co.** (Leather, Carriage, Drove, Shot Loaded, etc), Moundsville, W. Va.
**Binghamton Whip Co.**, Binghamton, N. Y.
**Buchheimer Geo. H.** (Dog), 1004 Rutland av, Baltimore, Md.
**Cargill-Cleveland & Co.**, Westfield, Mass.
**Cook & Parker**, Westfield, Mass.
**Cowles-Horan Whip Co.**, Westfield, Mass.
**Diamond Whip Co.** ("Tip-Top"), Leather, Cattle & Rawhide), 406 N Curtis, Chicago, Ill.
**Featherbone Whip Co.** ("Anti-Whalebone," "Featherbone" & Rubber - Bone") Westfield, Mass.
**Horse Whip Co.**, Westfield, Mass.
**Independent Whip Co.**, Westfield, Mass.
**Kentucky Whip & Collar Co.**, Eddyville, Ky.
**Standard Whip Co.**, Westfield, Mass.
**Steimer & Moore Whip Co.**, Westfield, Mass.
**Tipp Whip Co.**, Tippecanoe City, O.
**Underwood Whip Co.**, Westfield, Mass.
**U. S. Whip Co.**, Westfield, Mass.
**Van Deusen H. M. Whip Co.**, Westfield, Mass.
**Ware Arthur W. & Co.**, 12 E 18th, New York

## 16828— Whip Stocks

**Bardall J. C. Co.** (Hickory), Moundsville, W. Va.
**Binghamton Whip Co.**, Binghamton, N. Y.
**Bogert & Hopper, Inc.**, 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons**, 364 5th av, New York *See adv index at end of book*

## 16828a—Whistle Control (S. S.)

**McNAB CO.** ("Willett-Bruce" Automatic) Bridgeport, Conn.
*See adv index at end of book*

## 16828b— Whistle Operator

**Pneumercator Co., Inc.**, 15 Park Row, New York

## 16828c— Whistle Pulls

**McNAB CO.** ("McNab"), Bridgeport, Conn.
*See adv index at end of book*

## 16829— Whistles (Air)

**American Steam Gauge & Valve Mfg. Co.** 208 Camden, Boston, Mass.
Belknap Mfg. Co., Bridgeport, Conn.
Buckeye Iron & Brass Works, Dayton, O.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Loper Fire Alarm Co. (Compressed Air Fire), Stonington, Conn.
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O. *See adv index at end of book*
Ohio Brass Co., Mansfield, O.
*See adv index at end of book*
Powell Wm. Co., Cincinnati, O.
*See adv index at end of book*
**WESTINGHOUSE TRACTION BRAKE CO.**, Pittsburgh, Pa.

## 16830—Whistles (Automobile & Motor Boat)

See also Horns, Automobile; also Horns, Fog
Chase Machine Co., 2213 Elm, Cleveland, O.
Duplex Machine Co., 93 Lafayette, Newark, N. J.
Durkee Chas. D. & Co. (Motor Boat), 2 South, New York
Edmonds & Jones Corp. (Motor Boat), 436 Lawton, Detroit, Mich.
Folsom H. & D. Arms Co., 314 B'way, New York
**LUNKENHEIMER CO.** (Motor Boat), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Sibley Pitman Electrical Corp. ("Tritone"), 190 6th av, New York
Wilcox, Crittenden & Co., Inc. ("Ereful" Motor Boat), Middletown, Conn.
*See adv index at end of book*

## 16831— Whistles (Chime)

American Steam Gauge & Valve Co., 208 Camden, Boston, Mass.
Belknap Mfg. Co., Bridgeport, Conn.
Buckeye Iron & Brass Works (All Brass, Single Bell, etc), Dayton, O.
Crane Co. (Est 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Kelly & Jones Co. ("K. & J."), 135 Water, Pittsburgh, Pa.
Lonergan J. E. Co. (Single & Three Bell, etc), 211 Race, Phila., Pa.
**LUNKENHEIMER CO.** ("Tritone," Single Bell, Three Whistles, etc.), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
McNab & Harlin Mfg. Co., 55 John, New York
Nathan Mfg. Co. (For Passenger Engines, etc), 416 E 106th, New York
Powell Wm. Co. (Single Bell, Three Whistles, etc), Cincinnati, O.
*See adv index at end of book*
Star Brass Mfg. Co. ("Star"), 53 Oliver, Boston, Mass.

## 16832—Whistles (Conductors' & Starters')

Riley-Klotz Mfg. Co. ("Alpha" Police, Starters, etc.), 17 Mulberry, Newark, N. J.
Woodman R. Mfg. & Supply Co., 82 Sudbury, Boston, Mass.

## 16833—*Whistles (Electrically Operated)

**LOVSTED C. M. & CO.**, 316 1st av, So. Seattle, Wash.
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## 16834—Whistles for Fog, Factory & Fire Signals

**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
**LOVSTED C. M. & CO.**, 316 1st av, So. Seattle, Wash.
*See adv index at end of book*
**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Safety Fire Extinguisher Co., 295 7th av, New York *See adv index at end of book*

## 16835-6—*Whistles (Low Pressure)

**LUNKENHEIMER CO.**, Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*

## Whistles (Motor Boat)

See Whistles, Automobile & Motor Boat

## 16837—Whistles (Speaking Tube)

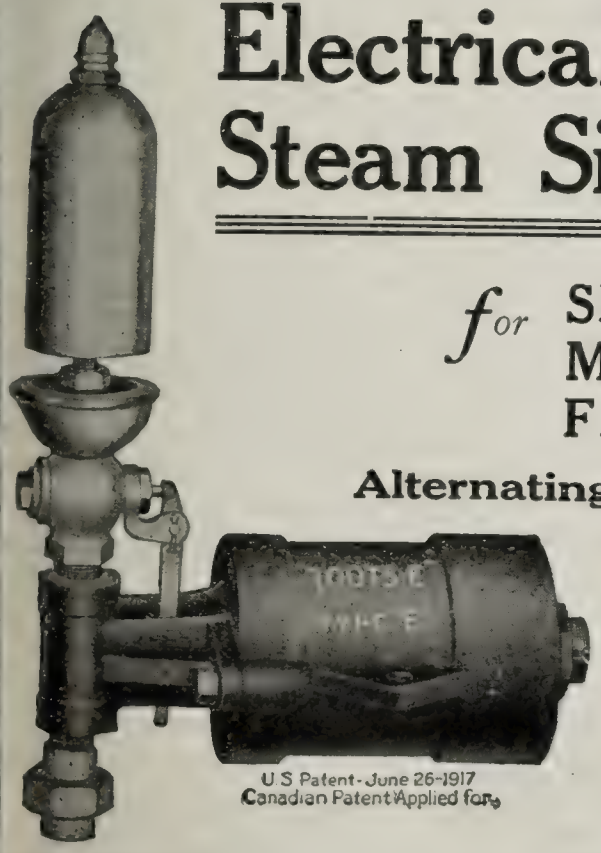
American Safety Lamp & Mine Supply Co. (Slide, for Mines, etc), Scranton, Pa.
Everhart Brass Works (Heavy for Miners, etc), Scranton, Pa.

## 16838— Whistles (Steam)

American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
Ashton Valve Co., 161 1st, Cambridge, Mass.
Belfield H. Co., 435 N Broad, Phila., Pa.
Belknap Mfg. Co., Bridgeport, Conn.
Benson Elect. Co., Superior, Wis.
Buckeye Iron & Brass Works, Dayton, O.
Crane Co., Bridgeport, Conn.
Crane Co. (Est 1855), 836 S Michigan av, Chicago, Ill.
*For branch offices see Alphabetical Section*
**CROSBY STEAM GAGE & VALVE CO.** ("Crosby"), 40 Central, Boston, Mass.
*See adv index at end of book*
Detroit Shipbuilding Co. (Brass Dept.), Ft. Orleans, Detroit, Mich.
Edna Brass Mfg. Co., Cincinnati, O.
Gamewell Fire Alarm Telegraph Co., New York
Garratt W. T. & Co., 299 Fremont, San Francisco, Cal.
Haydenville Co., Haydenville, Mass.


*The Dependable*

# Electrically-Controlled Steam Signal Whistle



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WHISTLES (STEAM)—continued

**Hydrox Storage Battery & Mfg. Co.**, 802 Plum, Cincinnati, O.
**Kelly & Jones Co.**, 135 Water, Pittsburgh, Pa.
**Kinsley Mfg. Co.**, 42 South av, Bridgeport, Conn.
**Lonegran J. E. Co.**, 211 Race, Phila., Pa.
**LOVSTED C. M. & CO.** ("Toots-E" Electric), 316 1st av, So. Seattle, Wash.
*See adv index at end of book*
**LUNKENHEIMER CO.** ("Mockingbird"), Executive Offices & Factories, Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
**McNab & Harlin Mfg. Co.**, 55 John, New York
**Nason Mfg. Co.**, 71 Fulton, New York
**Nathan Mfg. Co.** (Single & Plain Bell & Chime, for Passenger Locomotives, etc), 416 E 106th, New York
**Pittsburgh Brass Mfg. Co.**, Penn & 32nd, Pittsburgh, Pa.
**Powell Wm. Co.**, Cincinnati, O.
*See adv index at end of book*
**Signal & Control Co.**, 161 Washington, New York
**Star Brass Mfg. Co.** ("Star"), 53 Oliver, Boston, Mass.
**Swift Lubricator Co.**, Elmira, N. Y.
**Union Water Meter Co.** ("Worcester Steam Gong"), Worcester, Mass.
**Walworth Mfg. Co.**, Boston, Mass.

## 16838a— *Whistles (Toy)

**Bogert & Hopper, Inc.** (Wood), 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons** (Wood), 364 5th av, New York. *See adv index at end of book*

## White China

See Porcelain (Hard)

## 16838b— White Enameling

**Metal Crafters**, E. Stroudsburg, Pa.

## White Metal

See Castings, White Metal

## 16839—White Metal (Rolled Sheet)

**American Brass Co.** (Benedict Nickel), Waterbury, Conn.
*See adv. index at end of book*
**Riverside Metal Co.**, Riverside, N. J.
**Seymour Mfg. Co.** (A Nickel Alloy Similar to German Silver), Seymour, Conn.

## 16840—White & Red Lead Mfrs.

**Acme White Lead & Color Works**, St. Aubin & M. C. R. R., Detroit, Mich.
**Burgess Fobes & Co. (White Seal)**, Portland, Me.
**Cambria Paint & Color Co.** (Ltd.), (White Seal), Johnstown, Pa.
**Carter White Lead Co.**, 12042 Peoria, Chicago, Ill.
**Chadwick-Boston Lead Co.** ("Forest River," "Boston Star," Dry & in Oil), Boston, Mass.
**Chicago White Lead & Oil Co.** (White Lead), 1454 S Western av, Chicago, Ill.
**Continental Products Co.** (Liquid & Semi-Paste Red), Quebec av, Cleveland, O.
**Davis, H. B. Co.**, Bayard & Severn, Baltimore, Md.
**Detroit White Lead Works**, 560 E Milwaukee, Detroit, Mich.
**du Pont (E. I.) de Nemours & Co.** (Paint & Varnish Sales Div.), Wilmington, Del.
**Eagle Paint & Varnish Mfg. Co.**, 225 Galveston, Pittsburgh, Pa.
**Eagle-Picher Lead Co.** (The), ("Sublime," "Eagle"), 208 S La Salle, Chicago, Ill.
**Enterprise Paint Mfg. Co.** ("Iron Clad" White Lead), 848 W Vanburen, Chicago, Ill.
**Eustin White Lead Co.** (White Lead), Wabash Tracks, St. Louis, Mo.
**Euston Process Co. (Pure White)**, Scranton, Pa.
**French Samuel H. & Co.** (Dealers & Grinders), 4th & Callowhill, Phila., Pa.
**Fuller W. P. & Co.** ("Pioneer"), 301 Mission, San Francisco, Cal.
**Hammar Bros. White Lead Co.** (White Lead Only), East St. Louis, Ill.
**Harshaw, Fuller & Goodwin Co.**, Elec. bldg, Cleveland, O.
**Hazard Lead Works**, Hazardville, Conn.
**Inland White Lead Co.**, 741 Boston av, Chicago, Ill.
**Lawrence W. W. & Co.** ("Lawrence" Strictly Pure "Yellow Seal" Lead & Zinc, Combination Radium & Combination "White Star"), W Carson, Pittsburgh, Pa.
**Lead Products Co.** (Red Only), 3215 Papin, St. Louis, Mo.
**Lehigh Chemical Co.**, Allentown, Pa.
**Lewis John T. & Bros. Co.**, Lafayette bldg, Phila., Pa.
**Matheson Lead Co.**, 569 Vernon av, Long Island City, N. Y.
**National Lead Co.** ("Dutch Boy"), 111 B'way, New York
**National Lead & Oil Co.** (Of Pennsylvania), Commonwealth bldg, Pittsburgh, Pa.
**Nevin T. H. Co.**, Island & Preble, Pittsburgh, Pa.
**Pacific Oil & Lead Works**, 155 Townsend, San Francisco, Cal.
**Patton Paint Co.**, Milwaukee, Wis.
**Pflugh A. & Co.**, Hoboken, N. J.
**Shoemaker Robert & Co.** ("Imperial" White Lead), 4th & Race, Phila., Pa.
**Smith J. Lee & Co.** (Imp), 19 Jacob, New York
**Tatham & Bros. Works**, 226 S 5th, Phila., Pa., & 261 Water, New York
**United Lead Co.**, 111 B'way, New York
**Waterall Wm. & Co.** ("Missouri" & "Blue Seal," White & "Luteco," "Watco" Red), Camden, N. J.
**Wetherill & Bro.**, 126 S 30th, Phila., Pa.

## 16841— Whiting (Gilders')

**Harshaw, Fuller & Goodwin Co.**, Elec. bldg, Cleveland, Ohio
**Taintor H. F. Mfg. Co.** ("Taintor's" Air Dry), 2 Rector, New York
**Vanderbilt, R. T. Co.**, 50 E 42nd, New York
**Waterbury Button Corp.**, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*

## 16842—Whiting & Paris White Mfrs.

**Acme White Lead & Color Wks.**, St. Aubin M. C. R. R., Detroit, Mich.
**Bradford Jas. Co.**, Wilmington, Del.
**Chrystal Chas. B.** (Jobbers), 13 Cliff, New York. *See adv index at end of book*
**Columbia Chemical Co.**, Frick bldg., Pittsburgh, Pa.
**Columbia Products Co.** (Whiting), Garfield bldg., Cleveland, O.
**Coulston J. W. & Co.** (Imp. English Cliffstone, Paris White), 80 Maiden la, N. Y.
**Drakenfield B. F. & Co.** (Selling Agents), 50 Murray, New York
**Dunham Thos. C.**, 68 Murray, New York
**Excelsior Whiting Works** (E. T. Grafly, Prop.), York & Almond, Phila., Pa.
**Fergusson Alex C. Jr.**, 474 Chestnut, Phila., Pa. *See adv index at end of book*
**FOX M. EWING CO.** (In Bulk or Package), 241 E 136th, New York
**Grote Geo. W. & Co.**, 430 E 102d, New York, & East St. Louis, Ill.
**Hammill & Gillespie**, 240 Front, New York
**Harshaw, Fuller & Goodwin Co.**, Elec. bldg, Cleveland, Ohio
**Higginson Mfg. Co.**, Newburgh, N. Y.
**Import & By Products Co., Inc.** ("I P. M."), Trenton, N. J.
**Industrial Chemical Co.** ("Alba" Whiting), 200 5th av, New York
**Katzenbach & Bullock Co.**, 440 Washington, New York
**Kelley Bros. & Spielman** (Inc.), Swanson & Moore, Phila., Pa.
**Knappmann Wm. & Co.**, Grand, Brooklyn, N. Y.
**Nevins Sam'l Co.**, 109 S 2nd, Phila., Pa.
**Nulsen, Klein & Krausse Mfg. Co.**, Main & Sidney, St. Louis, Mo.
**Oxidite Mfg. Co.**, Arlington Mass.
**Philadelphia Whiting Works**, 2609 E York, Phila., Pa.
**Product Sales Co.**, 32 S Calvert, Baltimore, Md.
**Southwark Mfg. Co.**, Camden, N. J.
**Stickney, Tirrell & Co.**, 31 Milk, Boston, Mass.
**Taintor H. F. Mfg. Co.** (Commercial & Gilders' Whiting, "Westminster" & "Victoria" Paris White), 2 Rector, New York
**Vanderbilt, R. T. Co.** ("Quaker" Whiting), 50 E 42nd, New York
**Wetherill Geo. D. & Co.**, 114 N Front, Phila., Pa.

## 16842a—Wick (Asbestos & Cotton)

**California Cotton Mills Co.**, Oakland, Cal.
**Dominion Asbestos & Rubber Corp.**, 154 Nassau, New York
*See adv index at end of book*
**Empire Weaving & Belting Corp.**, East Rochester, N. Y.
**Sall Mountain Co.**, 305 So. La Salle, Chicago, Ill.
**Standard Woven Fabric Co.**, Walpole, Mass.

## 16843— Wickets

**HANKE IRON & WIRE WORKS**, 800 N Albany av, Chicago, Ill.
*See adv index at end of book*
**Meyers Fred J. Mfg. Co.**, Hamilton, O.
*See adv index at end of book*
**Smith F. P. Wire & Iron Works**, 2340-4 Clybourn av, Chicago, Ill.
*See adv index at end of book*
**Stolz Jos. & Son, Inc.**, 841 E 136th, New York
**TYLER W. S. CO.** (Ornamental), Cleveland, O. *See adv index at end of book*
**Wickwire Spencer Steel Corp.** (All Metals & Finishes), Worcester, Mass.
*See adv index at end of book*

## 16843a— Wickets (Ornamental)

**Buffalo Wire Works Co.**, 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
**Steelite Co.**, 1902 W 77th, Cleveland, O.

## 16844— Wicks (Felt, for Electric Motors, Etc.)

**Art Metal Construction Co.**, Jamestown, N. Y. *See adv index at end of book*
**BRAWLEY T. R.**, 275 20th, Brooklyn, N. Y. *See adv index at end of book*
**Star Felt Cutting Co.**, 260 69th, Brooklyn, N. Y.
**Tingue, Brown & Co.**, 118 E 25th, New York

## 16845—Wicks (Lamp, Candle, Etc.)

**Atkins & Pearce Mfg. Co.**, 5th & Eggleston av, Cincinnati, O.
**Bishop R. Mfg. Co.** ("Keystone," "Arrow," "Paragon," Ball Wicking), 18 W Sixth, South Boston, Mass.
**Brawley T. R.** (Felt), 275 20th, Brooklyn, N. Y. *See adv index at end of book*
**California Cotton Mills Co.**, Oakland, Ca
**Cleveland Mill & Power Co.**, Lawndale, N. C.
**Eagle Cotton Mills Co.** (Candle Wick Only), Madison, Ind.
**Empire Weaving & Belting Corp.**, Ea. Rochester, N. Y.
**Estes Mills ("Sterling" Miners & Candle)**, Fall River, Mass.
**Hooper Sons Mfg. Co.**, Juniper & Cherr Phila., Pa.
**Hooper Wm. E. & Sons Co.** (Lamp, Co ton Ball, Candle, etc), 350 Parkda av, Baltimore, Md.
**International Braid Co.** (Stove), Charles, Providence, R. I.
**Jackson, Thos. & Son Co.**, Reading, Pa.
**Lees Mfg. Co.** (Candle, Miners', Cott Ball, etc), Westport, Conn.
**Louisville Cotton Mills Co.**, Louisville, K
**Malden Knitting Mills**, Malden, Mass.
**Massasoit Mfg. Co.**, Fall River, Mass.
**Pettit & Co.**, Lockport, N. Y.
**Pioneer Cotton Mills** (For Searchlights Guthrie, Okla.
**Richards Fred J** (Torch, Miners, etc Springfield, Mass.
**Southern Mills Corp.**, Oxford, Ala.
**Toohey M. J. & Co.**, Fall River, Mass.
**Walters Mfg. Co.**, Fulton bldg, Pittsburg Pa.
**Westport Mfg. Co.** (Candle, Miners, etc Fall River, Mass.

## 16846—Wicks (Searchlight)

**Pioneer Cotton Mills**, Guthrie, Okla.

## 16847— Wigwams

**Onondaga Indian Wigwam Co.**, Syracus N. Y.

## 16848— Willow Ware Mfrs.

See also Furniture (willow)

**Acomb C. W.**, Cincinnati, O.
**Aiken Edwin V.**, Liverpool, N. Y.

Appenzeller W. H., Greenville, O.
Bahn Henry W., Liverpool, N. Y.
Bahn John & Sons, Liverpool, N. Y.
Bailie Basket Co., 82 Sudbury, Boston, Mass.
Bellaire L. & Sons, 17 Stephenson, Buffalo, N. Y.
Bethman August, Dublin, Pa.
Bielecky Bros., Inc., 705 3rd av, New York
Bombayreed Willow Furniture Co., Atlanta, Ga.
Boston Willow & Willow Craft Shops, 42 Everett, Boston, Mass.
Burlington Basket Co., Burlington, Iowa
Cook John & Son, 219 N 10th, Reading, Pa.
Crawford Basket Co., Liverpool, N. Y.
Deltour John, 901 Jefferson, Hoboken, N. J.
Duerr, Peter & Bros., 110 Willow, Liverpool, N. Y.
Fess Bros., 412 Ames, Rochester, N. Y.
Fichtner Wm., 723 N 2nd, Phila., Pa.
Ficks Carriage & Reed Co., Cincinnati, O.
Giordana P. & Co., 600 Paterson av, West Hoboken, N. J.
Goebert John, 127 Church, Phila., Pa.
Grace J. Watson, 139 N Front, Phila., Pa.
Gumser A. W. & Co., Holland, Mich.
Haywood Bros. & Wakefield Co., Wakefield, Mass.
Hovasse A., 100 Clinton, Chelsea, Mass.
Huke William, 1007 So. 7th, St. Louis, Mo.
Jacobson S. A., Co., Inc., 217 Mercer St., New York
Jelbmann Harry, Orenco, Ore.
Kahley Joseph, 733 E. Edison, York, Pa.
Kelly Bros., Gardener, Mass.
Kisselstein Will., R. F. D. No. 3, Central Square, N. Y.
Knapp Jacob, 133 Brow St., Liverpool, N. Y.
Krausher Geo., Liverpool, N. Y.
Lehne Miller Co., Liverpool, N. Y.
Lehne Rudolph, 109 Second St., Liverpool, N. Y.
Lenherd C. M., 21 Weicher, Rochester, N. Y.
Lincoln State School & Colony, Lincoln, Ill.
Loesch Joseph, 742 Philadelphia av, Baltimore, Md.
McHugh Joseph P. & Son, 9 W. 42nd New York
Madison Basket Co., Madison, O.
Mahony P., 819 E. 5th St., New York
Marnhout D. Basket Co., 816 Progress, Pittsburgh, Pa.
Marnhout Geo., 321 So. 2nd, Philadelphia, Pa.
Meinecke Mfg. Co., Milwaukee, Wis.
Miller Wm., Liverpool, N. Y.
Minnet & Co., 365 Lexington Ave., New York
Mudge F. D., 226 E. 6th, Rochester, Minn.
Muller, Joseph C., 334 Hague St., Rochester, N. Y.
Neutzell Chas., Liverpool, N. Y.
Nowack Frank, Liverpool, N. Y.
Parker Frank A. Co., 31 Troup, Rochester, N. Y.
Porter & Co., 27 Creek Sq., Boston, Mass.
Rattan Furniture Mfg. Co., 2648 15th Ave. West, Seattle, Wash.
Russin & Hanfling, 114 W. 28th, New York
Schafer Jos., Liverpool, N. Y.
Schmidt John, Cincinnati, O.
Sperling A., 354 3rd Ave., New York
Stappen Wm., 237 So. 10th, Phila., Pa.
Traister Basket Co. Wm., Liverpool, N. Y.
United States Willow Furniture Co., 13th & Grand, Hoboken, N. J.
Voigt Edward, 269 145th St. West, Philadelphia, Pa.
Westgate Fred H., Liverpool, N. Y.
Wisconsin Workshop for the Blind, 1312 Fond du Lac Ave., Milwaukee, Wis.
Wunder W. L., 529 Penn St., Reading, Pa.
Wyker Co., Fred, Liverpool, N. Y.
Zinn Charles & Co., 893 Broadway, N. Y.

## 16849—Winches (Deck, Steam & Electric)

**LIDGERWOOD MFG. CO.**, 96 Liberty, New York *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
Vulcan Mfg. Co., 1200 4th av, So. Seattle, Wash.

## 16850—Winches (Electric & Steam)

Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Dake Engine Co., Grand Haven, Mich.
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Elmes Chas. F. Engineering Wks., Inc. ("and Hand"), cor Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book*
**GILBERT-GRANT CO.**, Grand Central Terminal, New York
*See adv index at end of book*
**LIDGERWOOD MFG. CO.** (Steam & Electric), 96 Liberty, New York
*See adv index at end of book*
Morris Elmer P. Iron Wks. Inc. (Electric), 136 Liberty, New York
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
National Hoisting Engine Co. (Winches Only), Harrison, N. J.
Puget Sound Machinery Depot, 318 1st av, Seattle, Wash.
**SHEPARD ELECTRIC CRANE & HOIST CO.** (Electric Only), Montour Falls, N. Y. *See adv index at end of book*
Sprague Electric Works (For Haulage Purposes), 527 W 34th, New York
Vulcan Mfg. Co., 1200 4th av, Seattle, Wash.

## 16851—Winches (Motor Power)

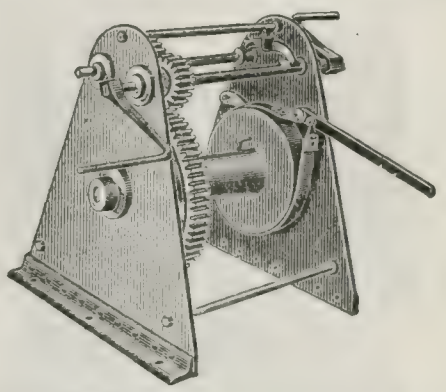
Erie Clutch & Power Co., Erie, Pa.
International Motor Co., 262 W 64th, New York

## 16852—Winches—Hand Power (Derrick, Portable & Truck)

Acme Road Machinery Co., Frankfort, N. Y.
American Hoist & Derrick Co., St. Paul, Minn.
Baltimore Car & Foundry Co. (Derrick), Pittsburgh, Pa.
Brown Hoisting Machinery Co. (Winches Only), 4403 St. Clair, N. E., Cleveland, Ohio
Charleston Iron Works, Charleston, S. C.
Chase Machine Co. (Double Drum Hoisting Winches), Cleveland, Ohio
**CLYDE IRON WORKS**, Duluth, Minn.
*See adv index at end of book*
Dobbie Foundry & Machine Co., Niagara Falls, N. Y. *See adv index at end of book*
Hesse-Martin Iron Works (Winches for Contractors, etc.), 434 Belmont, Portland, Ore.
Kelly L. J. Mfg. Co. (Winches & Truck Windlasses), Albany, N. Y.
Klemm E. R., 1453 Austin av, Chicago, Ill.
Oliver Wm. J. Mfg. Co. (Winches), Knoxville, Tenn.
Round D. & Son, Cleveland, O.
Sasgen Derrick Co. ("Sasgen" Winches, also Steel Frame Portable Winches), 3101 W. Grand av, Chicago, Ill.
Seattle Machine Works (Contractors' Winches), Seattle, Wash.
Sybilla Elevator & Machine Co., 214 W Ontario, Chicago, Ill.
Terry & Tench Co. (Inc.), (Wood & Steel Frame Winches), 70 E. 45th, New York
Vulcan Mfg. Co., 1200 4th av, So. Chicago, Ill.
Wilson Machinery Co., 301-331 W 35th st, Chicago, Ill. *See adv index at end of book*

## 16853—Winches & Windlasses

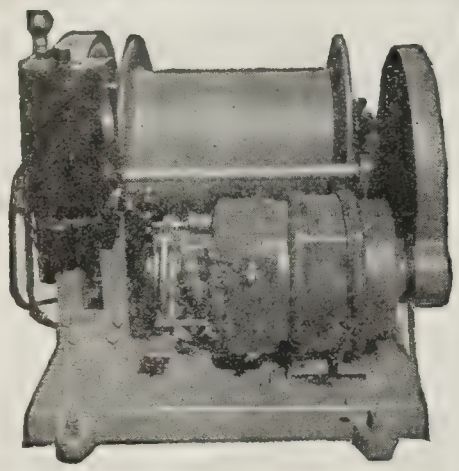
Acme Road Machinery Co., Frankfort, N. Y.
American Clay Machinery Co. (Ship Deck Equipment), S Walnut, Bucyrus, O.
*See adv index at end of book*
American Engineering Co. ("Providence," Hand, Steam & Electric, Gypsy & Yacht Windlasses), Aramingo av & Cumberland, Phila., Pa.
American Hoist & Derrick Co., St. Paul, Minn.
American Standard Shipfitting Corp., 115 B'way, New York
*See adv index at end of book*
Baker Iron Wks. (Steam Winches), Los Angeles, Cal.
Baltimore Car & Foundry Co. (Derrick), Pittsburgh, Pa.
Brown Hoisting Machinery Co. (Winches Only), 4403 St. Clair, N. E. Cleveland, Ohio
Channon Jas. H. Mfg. Co. (Hand Power), 227 W Erie, Chicago, Ill.
Chase Machine Co., 2313 Elm (Double Drum Hoisting Winches), Cleveland, Ohio
Clyde Iron Works Sales Co., Duluth, Minn.
*See adv index at end of book*
Dake Engine Co., Grand Haven, Mich.
Dobbie Foundry & Machine Co., Niagara
*See adv index at end of book*



Dobbie Foundry and Machine Co.
*Hand Power Winches* Niagara Falls, N.Y.


Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
**GILBERT-GRANT CO.**, Grand Central Terminal, New York
*See adv index at end of book*
Gillie Machine Co. ("Gypsy" Windlasses & Tow Posts), Tonawanda, N. Y.
*See adv index at end of book*
Hallidie Co., Spokane, Wash.
Helmick Foundry & Machine Co., Fairmont, W. Va.
Hesse-Martin Iron Works (Winches for Contractors, etc), 434 Belmont, Portland, Ore.
Horton John T. (Winches), 157th & 8th av, New York
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Hyde Windlass Co. (Steam Coaling & Electric), Bath, Me.
Irving Mfg. & Tool Co. (Cargo Winches), 157 Chambers, New York
**Jackson & Church Co. (Steam Winches), Saginaw, Mich.**
Kelly L. J. Mfg. Co. (Winches & Truck Windlasses), Albany, N. Y.
Klemm E. R., 1453 Austin av, Chicago, Ill.
Lake Shore Engine Works (Hand Windlasses), Marquette, Mich.
Laughlin Thos. Co. (Windlasses Only), Portland, Me.
**Lucey Foundry & Machine Co., Chattanooga, Tenn.**
Main Iron Works (Windlasses Only), 16th & Daggett, San Francsico, Cal.
Marine Hardware Co. (Hand), Peabody, Mass.
Marine Hardware-Equipment Co. ("Acme" & "Mehco"), So. Portland, Me.
*See adv index at end of book*
Marine Mfg. & Supply Co., 158 Smith, New York
Morris Elmer P. Iron Works (Inc.) (Electric), 136 Liberty, New York
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J.
*See adv index at end of book*
National Hoisting Engine Co. (Winches Only), Harrison, N. J.
**Neptune Hardware Mfg. Co., 29 Murray, New York**
Northwestern Iron Works, Seattle, Wash.
Oliver Wm. J. Mfg. Co. (Winches), Knoxville, Tenn.
Puget Sound Machinery Depot, 318 1st av, So. Seattle, Wash.
Reed Geo. A. & Son (Vessel Windlasses), Gloucester, Mass.
**ROUND D. & SON**, Penn R. R. & Henry, Cleveland, O.
Sasgen Derrick Co. ("Sasgen" Winches, also Steel Frame Portable Winches), 3101 W Grand av., Chicago, Ill.

*Cable Address:* *"GILGRANT, NEW YORK."*

# WINCHES
## ALL TYPES OF ELECTRIC



**also**
**Electric Cranes**
**Hand Cranes**
**And Hoists**

## THE GILBERT-GRANT CO.
**Grand Central Terminal** **NEW YORK CITY**

WINCHES & WINDLASSES—continued

Seattle Machine Works (Contractors' Winches), 51 W. Lander, Seattle, Wash.
Speidel J. G., Reading, Pa.
*See adv index at end of book*
Street Bros. Machine Works (Ship), Chattanooga, Tenn.
Superior Iron Works Co. (Mooring Winches), Superior, Wis.
Terry & Tench Co. (Inc.) (Wood & Steel Frame Winches), 70 E 45th, New York
Torry Roller Bushing Works, Bath, Me.
Vulcan Iron Works, 327 N Irving av, Chicago, Ill.
Wilcox, Crittenden & Co., Inc. ("Gypsy" & "Navy," Hand Windlasses), Middletown, Conn. *See adv index at end of book*
Willamette Iron & Steel Wks., Portland, Ore.

### 16854—Wind Shields (Automobile)

Adapt Machinery Co. The, 1624 Wabash av, Chicago, Ill.
Amesbury Brass & Foundry Co., Amesbury, Mass.
Anderson F. W. & Co. ("Quality"), Brown & Uber, Phila., Pa.
Auto Brass Mfg. Co., 56 Friendship, Providence, R I.
Automobile Equipment Co., Detroit, Mich.
Automobile Specialties Co. ("McGiffin"), E E, Jenkins Arcade, Pittsburgh, Pa.
Banker Wind Shield Co. ("Banker"), 5722 Ellsworth av, Pittsburgh, Pa.
Blasier-Sanborn Mfg. Co., Utica, N. Y.
Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Broc Carriage & Wagon Co., N E, Cleveland, O.
Buob & Scheu, 216 Webster, Cincinnati, O.
B. & B. Mfg. Co. ("Superior"), 6528 Caraegil av, Cleveland, O.
Chicago Coach & Carriage Co., 1223 S Michigan av, Chicago, Ill.
Clark A. N. & Son ("Clark Tonneon"), Plainville, Conn.
Coleman J. C., 137 E Gd. blvd, Detroit, Mich.
Collins G. A. & Son ("Collins"), Akron, O.
Earl Automobile Works, Los Angeles, Cal.
English & Mersick Co. ("E. M. Talor"), New Haven, Conn.
Fellweck Automobile & Mfg. Co. ("Perfect"), Evansville, Ind.
Findeisen & Kropf Mfg. Co., 2559 W 21st, Chicago, Ill.
Fowler Lamp & Mfg. Co. ("Fowler," Automatic), 59 E 24th, Chicago, Ill.
Gemco Mfg. Co. ("Gemco"), Milwaukee, Wis.
Guarantee Tire & Rubber Co. ("Long Distance"), Indianapolis, Ind.
Hill Mfg. Co. ("Hill"), 23 Fuller, Buffalo, N. Y.
Hillman Auto Supply Mfg. Co. ("Hillman"), 98 Massachusetts av, Boston, Mass.
Holcker-Elberg Mfg. Co. ("Holcker-Elberg"), 16th & McGee, Kansas City, Mo.
Irvin R. J.. Manufacturing Co., Indianapolis, Ind.
Jacobson Bros. ("Jacobson"), 254 Central, Newark, N. J.
Jonah & George, Merrimac, Mass.
Kimball C. P. & Co., 3900 S Michigan av, Chicago, Ill.
Limousine-Carriage Mfg. Co. ("Voltz," "Schildback" & "Beecher"), 3515 S Michigan av, Chicago, Ill.
London Auto Supply Co. ("Lasco," "London"), 2540 S Wabash av, Chicago, Ill.
Longdin Brugger Co., Fond du Lac, Wis.
Lyons Hugh & Co. ("Lyons"), Lansing, Mich.
Martin Auto Specialty Co. ("Martin"), Lancaster, Mass.
Motor Products Co., Mack & Outer Belt Line, Detroit, Mich.
Motor Products Corp. ("Vanguard"), Mack av & Outer Belt Line, Detroit, Mich.
Mutual Auto Accessories Co. ("J. H."), 1777 Broadway, New York
National Auto Top Co. ("National"), 244 W 49th, New York.
New England Auto Top & Body Co., 317 W 47th, New York
Page Steel Wire Co., Adrian, Mich.
Paterson Vehicle Co., Paterson, N. J.
Pence Automobile Co. ("Pence"), 800 Hennepin av, Minneapolis, Minn.
Pierce Governor Co., Anderson, Ind.
Polson Mfg. Co., Buffalo, N. Y.
Quinby J. M. & Co., 27 Division, Newark, N. J.
Racine Auto Top Co. ("The Racine"), Racine, Wis.
Riley Bros. ("Riley"), Bridgeton, N. J.
Rostand Mfg. Co. ("Rostand"), Milford, Conn.
Russell H. J. ("Angle"), Worcester, Mass.
Schurmeier Wagon Co., 9th & B'way, St. Paul, Minn.
Slane O. W. Glass Co., York, Pa.
Smith H. Lund, Paterson, N. J.
Smith Jos. N. & Co. ("Ackerman"), 2461 E Grand blvd, Detroit, Mich.
Standard Cabinet Mfg. Co. (Tiller Boards, Also Auto Dashes), Peru, Ind.
Stewart-Carey Glass Co. ("Gibralter," "Kamah"), Indianapolis, Ind.
Superior Mfg. Co., Ann Arbor, Mich.
Troy Carriage Sun Shade Co. ("Troy"), Troy, O.
Twentieth Century Garage ("Williams"), 121 S Ludonette, South Bend, Ind.
Wadsworth Mfg. Co., Kercheval & Connors ck, Detroit, Mich.
Western Mechanical Works ("Western Universal," "Kingley"), Los Angeles, Cal.

### 16855— Winders (Dump Scow, Steam)

Superior Iron Works Co., Superior, Wis.

### 16856— Winders (Invoice)

Forest City Machine Co. ("Invo" Winder Measuring Laces, Ribbons, Embroideries, etc), Rockford, Ill.

### 16857— Winders (Magnet)

Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Cleveland Specialty & Mfg. Co., Cleveland, O.
Harvard Electric Co., 525 W Van Buren, Chicago, Ill.
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Universal Winding Co. ("Leesona"), 95 S. Boston, Mass.

## 16858—Winders (Oyster Dredge)

Hettinger Engine Co., Bridgeton, N. J.
Page Engineering Co. ("Oriole"), Clagett & Hull, Baltimore, Md.

## 16858a— Winders (Rag)

**WILLIAMS FOUNDRY & MACHINE CO.,** Akron, O. *See adv index at end of book*

## 16859— Winders (Spring)

See also Spring Coiling Machines

Hjorth Lathe & Tool Co. ("Perfection" for Wire Springs), 27 School, Boston, Mass.

## 16860—Winding (High Tension)

Acme Wire Co., New Haven, Conn.
Dudlo Mfg. Co. ("Dudlo"), Ft. Wayne, Ind.

## Windlasses

See Winches & Windlasses

## 16861—Windlasses (Arc Lamp)

Ayer F. H. Mfg. Co., Chicago Heights, Ill.
Brady Electric Mfg. Co., New Britain, Conn.
Commercial Electrical Supply Co. ("Eddy"), B'way & Spruce, St. Louis, Mo.
Creaghead Engineering Co., 340 Main, Cincinnati, O.
Cutter Geo. Co., South Bend, Ind.
Fletcher Mfg. Co., Dayton, O.
Line Material Co. (Self-Locking), S Milwaukee, Wis.

## 16862—Windlasses (Barrel & Keg)

Oram John S. Co., 1316 E 53rd, Cleveland, O.

## 16862a—Windlasses (Ship, Yacht & Vessel)

American Engineering Co. ("Providence" Hand, Steam & Electric, Gypsy & Yacht Windlasses), Aramingo av & Cumberland, Phila., Pa.
Edson Mfg. Co. ("Edson"), 257 Atlantic av, Boston, Mass.
Gillie Machine Co. ("Gypsy" Windlasses & Tow Posts), Tonawanda, N. Y.
Hyde Windlass Co. (Steam Coaling & Electric), Bath, Me.
Irving Mfg. & Tool Co. (Cargo Winches), 157 Chambers, New York
Lake Shore Engine Works (Hand Windlasses), Marquette, Mich.
Laughlin Thos. Co. (Windlasses Only), Portland, Me.
Marine Hardware-Equipment Co. ("Acme" & "Mehco"), So. Portland, Me. *See adv index at end of book*
Mundy J. S. Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J. *See adv index at end of book*
Reed Geo. A. & Sons (Vessel Windlasses), Gloucester, Mass.
Superior Iron Works Co. (Mooring Winches), Superior, Wis.
Torry Roller Bushing Works, Bath, Me.
Wilcox, Crittenden & Co., Inc. ("Gypsy" & "Navy") Hand Windlasses), Middletown, Conn. *See adv index at end of book*

## 16863— Windmills

Aermotor Co. ("Aermotor"), 2500 W 12th, Chicago, Ill.
Althouse-Wheeler Co. (Wood or Steel Wheel Pumping; also Geared Wood Wheel), Waupun, Wis.
Appleton Mfg. Co. ("Goodhue"), Batavia, Ill.
Baltimore Cooperage Co., Ostend & Leadenhall, Baltimore, Md. *See adv index at end of book*
Baker Mfg. Co. ("Monitor"), Evansville, Wis.
Beckman Bros. ("B-B"), Des Moines, Ia.
Breyer Bros., Whiting Co., Waupun, Wis.
Butler Co. (Steel & Wood, Oilless), Butler, Ind.
Caldwell W. E. Co., Louisville, Ky.
Celina Mfg. Co. ("Monarch"), Celina, O.
Challenge Co. ("Challenge," "Dandy"), Batavia, Ill.
Church Stephen B., Seymour, Conn.
CORCORAN A. J. (INC.), 745 Jersey av, Jersey City, N. J. *See adv index at end of book*
Currie Wind Mill Co., Topeka, Kans.
Dempster Mfg. & Supply Co., Des Moines, Ia.
Duplex Mfg. Co. ("Duplex," "Superior"), Superior, Wis.
Elgin Wind Power & Pump Co. Elgin, Ill.
Fairbanks, Morse & Co. ("Eclipse," "Fairbanks-Morse"), 900 S Wabash av, Chicago, Ill.
Flint & Walling Mfg. Co. (Star), Kendallville, Ind.
Freeman Mfg. Co., Racine, Wis.
Hellen-Aller Co., Napoleon, O.
Horicon Wind Mill Co. (Steel), Horicon, Wis.
Ideal Engine Co., Lansing, Mich.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Jackson Byron Iron Works, Berkeley, Cal.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kregel Windmill Co., Nebraska City, Neb.
Leach Windmill & Tank Co., Joliet, Ill.
McDaniel & Son, Litchfield, Ill.
Mast, Foos & Co. ("Imperial" Iron Turbine, etc), Springfield, O.
Mt. Pulaski Wind Mill Co., Mount Pulaski, Ill.
Northwestern Wind Engine Co., 110 3d av, Minneapolis, Minn.
Pacific Pump & Supply Co. (Jobber), 853 Folsom, San Francisco, Cal.
Perkins Wind Mill Co., Mishawaka, Ind.
Phelps & Bigelow Windmill Co. ("I. X. L.") (Steel & Wood), Kalamazoo, Mich.
Portable Elevator Mfg. Co. ("Samson"), Bloomington, Ill.
Rawleigh W. T., Freeport, Ill.
Reader Jno. B., Delavan, Wis.
Red Cross Mfg. Co., Bluffton, Ind.
Red King Co., Wauseon, O.
Rork M. D. Mfg. Co., Lansing, Mich.
Sandwich Mfg. Co., Sandwich, Ill.
Schmidt Geo., East Williston, N. Y.
Smith & Pomeroy Windmill Co. ("Eureka")) Kalamazoo, Mich.
Southern Rock Island Plow Co., Dallas, Tex.
Stover Mfg. & Engine Co. ("Samson" Steel, etc.), Freeport, Ill.
Tanner D. F., Holland, N. Y.
U. S. Supply Co., Omaha, Neb.
U. S. Wind Engine & Pump Co. ("Model B," "Halladay," Wood & Steel) Batavia, Ill.
Walker Mfg. Co. ("Baldwin"), Council Bluffs, Ia.
Winter F. W. & Co., Faribault, Minn.
Wistrand Mfg. Co. ("Blue Star"), Galva, Ill.
Woodmanse Mfg. Co. (Steel, Wooden & Power, etc), Freeport, Ill.

## 16864—Window Blind Adjusters

Ives H. B. Co. ("Upson's"), New Haven, Conn.
Russell & Erwin Mfg. Co., New Britain, Conn.
Wire Goods Co., Worcester, Mass.

## 16865—Window Cleaning Appliances & Guards

Perfect Safety Window Guard, 15 E 40th, New York
Russell & Erwin Mfg. Co. ("Russwin"), New Britain, Conn.
Whitner Two Rope Safety Co., 155 S Clark, Chicago, Ill.
Window Cleaners' Improved Belt & Device Co. ("Royal" Improved Safety), 62 W Washington, Chicago, Ill.

## 16866—Window Display Fixtures

American Brass Fixture Works (Brass & Nickel Plated), 66 Greenpoint av, Brooklyn, N. Y.
Barlow Co. (Wax Figures, Show Cases, Papier Mache Forms), Holyoke, Mass.
Burgess Machine Co., New Haven, Conn.
Culver Irwin G. Co. (Wax Figures), 60 E 8th, New York
Curtis-Leger Fixture Co., 235 W Jackson blvd, Chicago, Ill.
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Feldman L. A. Fixture Co., 24 W 30th, New York
Finkelstein & Co. (Papier Mache Figures, Metal Stands, etc), 48 Mangin, New York
Frankel Display Fixture Co., 177 Hudson, New York
Great Western Fixture Works (Papier Mache Forms & Wax Figures), 211 W Schiller, Chicago, Ill.
Greenwald Display Fixture Co. (Wax Figures & Forms), 234 5th av, New York
Hall-Borchert Dress Form Co., 101 Park av, New York
Heimann Morris A. Mfg. Co., 1402 Washington av, St. Louis, Mo.
Hoggson S. H. & Co. (Mechanical Moving Attractions), 27 Thames, New York
Kayline Co., 312 High av, Cleveland, O.
Kehoe Display Fixture Co. (Wax Figures & Papier Mache Forms), 541 Market, San Francisco, Cal.
Kolar Bros. (Wood Stands, etc.), 9 Baxter, New York
Lyons Hugh & Co., Lansing, Mich.
Morewood Standard Safety Devices Co., 253 B'way, New York
Multiplex Display Fixture Co. (also Office & Store), 918 N 10th, St. Louis, Mo.
Newman Mfg. Co. (Wax Figures & Forms & Mechanical Display Fixtures), 717 Sycamore, Cincinnati, O., 68 W Washington, Chicago, Ill. *See adv index at end of book*
Novelty Wire Works, 840 B'way, New York
O. K. Display Fixture Co. (Papier Mache Figures), 37 Broome, New York
Onken Oscar & Co. (Wood), 4th & Cutter, Cincinnati, O.
Palmenberg's J. R. Sons, 63 W 36th, New York
Polay Fixture Service Co. (Window Shelves, Wood Fixtures, etc), 515 W Halstead, Chicago, Ill.
Royal Display Fixture Co. (Metal & Wooden), 812 B'way, New York
Smith Winfield H. (Mechanical Revolving), Buffalo, N. Y.
Standard Mfg. Co., Xenia, O.
Superior Brass & Fixture Co., 312 W Jackson blvd, Chicago, Ill.
Turner Fixture Co. (Wood), Hannibal, Mo.
Weston Paper & Mfg. Co. (Also Store), Dayton, O.

## 16867—Window Frame & Sash (Metallic)

See also Windows, Fire-Proof, Wire Glass

American Sheet Metal Works (Hollow Metal), 3427 S Carrollton, New Orleans, La.
Art Metal Fireproof Door & Trim Co., 2724 Wentworth av, Chicago, Ill.
Badger E B. & Sons Co. (Fireproof), 75A Pitts, Boston, Mass.
Barnes & Nuss Co., Grand Forks, N. D.
Basman A. M. & Co., 468 Fort W, Detroit, Mich.
Biegler Louis Co., 167 N Curtis, Chicago, Ill.
Biersach & Niedermeyer Co., 220 5th, Milwaukee, Wis.
Bostwick C. G., Hartford, Conn.
Braun J. G., 609 S Paulina, Chicago, Ill.
Burton W. J. Co. (Automatic Fireproof), Junction & Federal, Detroit, Mich.
Byrd John, 1427 Catharine, Phila., Pa.
Cal. Fire Proof Door Co. (Metal Covered), ("Wilcox"), 1931 S Los Angeles, Cal.
Campbell Architectural Iron Co., Albany, N. Y.
Chesley A. C. Co., 275 Rider av, New York
Chicago Fire Window & Cornice Co., 1035 W Van Buren, Chicago, Ill.
Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
Cushing Daniel & Co., Lowell, Mass.
DAHLSTROM METALLIC DOOR CO., 413 Buffalo st, Jamestown, N. Y., & 130 E 15th st, New York *See adv index at end of book*
Decatur Cornice & Roofing Co., New Decatur, Ala.
Dowman-Dozier Mfg. Co., Atlanta, Ga.
Duluth Corrugating & Roofing Co., Duluth, Minn.
EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O. *See adv index at end of book*
Eller Mfg. Co., Canton, O.
Empire Art Metal Co. Inc., College Point, L. I., N. Y.
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
FOUGNER CONCRETE STEEL CO., 29 Broadway, New York
Hastings Foundry & Iron Works, Hastings, Neb.
Hayes Geo. Co., 311 E 23d, New York

WINDOW FRAME & SASH (METALLIC) —continued

Herrmann & Grace Co., 671 Bergen, Brooklyn, N. Y.
Hicks S. D. & Son, 9 Bowker, Boston, Mass.
Howell, Field & Goddard (Metal Covered), Review av, Long Island City, N. Y.
Howie Roofing Co., Detroit, Mich.
Illinois Art Metal Co., Springfield, Ill.
International Casement Co., Jamestown, N. Y.
International Steel & Iron Co., Evansville, Ind.
Kawneer Mfg. Co. ("Kawneer" & Solid Steel), Niles, Mich.
Kirk W. P. Co., Bridgeport, Conn.
Klauer Mfg. Co., Dubuque, Ia.
Knisely Bros., 2799 5th av, Chicago, Ill.
Knisely H. C. Co., 1908 S Western av. Chicago, Ill.
Knoburn Co., Hoboken, N. J.
Lawton Stephens Co. (Bronze, Copper or Steel), 427 Marcy av, Brooklyn, N. Y.
Lee Thomas (Automatic Closing & Sliding Sash), 129 W 2nd, Cincinnati, O.
Leonard Sheet Metal Works ("Leonard" Combined Sliding & Revolving Sashes & Ideal Windows), Hoboken, N. J.
Louisville Cornice & Roofing Co., Louisville, Ky.
Lupton's David Sons Co. ("Pond" Continuous Steel Sash), Allegheny av & Tulip, Phila., Pa.
Lyster Sheet Metal Co., 1220 Filbert, Phila., Pa.
McFarland-Hyde Co., 2701 S 5th av, Chicago, Ill.
McFarland, Meade Co., Woodland av & 46th, Phila., Pa.
MACHWIRTH BROS. CO., 201-9 Oak, Buffalo, N. Y.
Manhattan Iron & Steel Sales Co. ("Atlas" Lock-Bar), 122 E 132d, New York
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Mesker Geo. L. & Co. (Solid Section Steel Sash), Evansville, Ind.
Metallic Mfg. Co., Camden, N. J.
Miller J A. & Bro., 427 N Ashland, Chicago, Ill.
Moeschl-Edwards Corrugating Co., Covington, Ky.
National Metallic Sash Co., 355 Union Park ct, Chicago, Ill.
National Skylight & Ventilator Co., Rochester, N. Y.
Newark Cornice & Skylight Works (Automatic), 9-17th av, Newark, N. J.
Northwestern Roofing, Cornice & Stamping, Works, 1111 S 5th, Minneapolis, Minn.
Ohio Roofing & Asbestos Co., 525 Columbus, Cleveland, O.
Perkinson & Brown, 412 N Lincoln, Chicago, Ill.
Pomeroy S. H. Co., 282 E 134th, New York
Porter Iron Roofing & Corrugating Co., 522 Culvert, Cincinnati, O.
Powers & Boyd Cornice & Roofing Co., 3614 Laclede, St. Louis, Mo.
Pruden C. D. Co. (Metal), Dock & Warner & Dock, Baltimore, Md.
Rasner & Dinger Co., 2d av & Ferry, Pittsburgh, Pa.
Ray, Daisley & Co., 61 Fulton, Brooklyn, N. Y.
Reliance Fireproof Door Co., West & Milton sts & Greenpoint av, Brooklyn, N. Y. *See adv index at end of book*
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Riester & Thesmacher, 1512 W 25th, Cleveland, O.
Rudolph & Son Co., 416 Prospect av, N W, Cleveland, O.
Ruth J. F., 4249 Easton, St. Louis, Mo.
Schoedinger F. O., 142 N 3d, Columbus, O.
Simplex Window Co., 525 Market, San Francisco, Cal.
Solar Metal Products Co., 54 W Lake, Chicago, Ill.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Sykes Co., 930 W 19th pl, Chicago, Ill.
Thorn J. S. Co., 20th & Allegheny av, Phila., Pa.
TYLER W. S. CO., Cleveland, O.
*See adv index at end of book*
Valley Cornice & Slate Co. (Ltd.), Saginaw, Mich.
Van Noorden E. & Co., 100 Magazine, Boston, Mass.
Voigtmann & Co., 445 W Erie, Chicago, Ill.
Wagner J. F. Sons, 1145 7th, Louisville, Ky.
Watson Jas. H. Co. (Hollow Metal), Bradley, Ill.
Weis Henry Cornice Co. (Weis Steel), Kansas City, Mo.
Westergren M. F. (Inc.), 213 E 144th, New York
Weyand Hy. Co., Waterbury, Conn.
Willis Mfg. Co., Galesburg, Ill.
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.
World Fire-Proof Door Corp., 145th & Southern blvd, New York
Zahner Metal Sash & Door Co., Canton, O.

## 16868—Window Frame & Sash (Wrought Steel)

Bayley Wm. Co. ("Bayley-Springfield"), Springfield, O.
Braun J. G., 609 S Paulina, Chicago, Ill
Detroit Steel Products Co. ("Fenestra"), 2250 E Grand blvd, Detroit, Mich.
Empire Art Metal Co., Inc, College Point, L. I., N. Y.
Kawner Mfg. Co. (Fireproof), Niles, Mich.
Lightwell Steel Sash Co., Wilmington, Del.
Lupton's David Sons Co. ("Pond"), Allegheny av & Tulip, Phila., Pa.
Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.
Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
Schreiber L. & Sons Co. (Also Cast Iron), 3869 Ivanhoe, Cincinnati, O.
Steelite Co., 1902 W 77th, Cleveland, O.
Streeter Clip & Specialty Co. ("Streeter's"), 4101 Ravenswood av, Chicago, Ill.
Truscon Steel Co. ("Truscon"), Youngstown, O.
TYLER W. S. CO. ("Tyler," Steel Sash), Cleveland, O. *See adv index at end of book*
Van Dorn Iron Works Co., 2700 E 79th, Cleveland, O.
Winslow Bros. Co., 4600 Harrison, Chicago, Ill.

## 16869—Window Frames (Reversible)

Phenix Mfg. Co. ("Phenix"), Milwaukee, Wis.
Williams Pivot Sash Co., 1105 Bolivar, Cleveland, O.

## 16870-1-2—Window Guards

See also Fire Fences & Gates; Grilles, Wrought Iron; Iron, Architectural & Ornamental; also Bank & Office Railings; also Bronze, Architectural, Etc.
Art Metal Construction Co., Jamestown, N. Y. *See adv index at end of book*
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati, Ohio
Fiske J. W. Iron Works, 111 Park pl., New York
Heath J. S. Co., Franklin & Ontario, Chicago, Ill. *See adv index at end of book*
Mack Iron & Wire Works, Sandusky, O.
New Jersey Wire Cloth Co., Trenton, N. J. *See adv index at end of book*
Page Steel & Wire Co., Adrian, Mich.
Republic Structural Iron Works Co., 1350 E. 53d, Cleveland, Ohio.
Smith F. P. Wire & Iron Works ("Suransafe" Removable "Triangular" Steel), 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*

## Window Opening Devices

See Skylight Ventilating Apparatus

## 16873—Window Sash Holder (Automatic)

Automatic Sash Holder Mfg. Co., 30 Church, New York

## 16874—Window Sash Pivots

International Window Mfg. Co. ("George"), 2007 W Allegheny av, Phila., Pa.
Richards-Wilcox Mfg. Co. ("Richards"), Aurora, Ill.
Steiner & Voegtly Hardware Co. ("Giesey's"), 230 Diamond, Pittsburgh, Pa.
Tabor Sash Fixture Co., 63 Polk, Newark, N. J.
Williams Pivot Sash Co., 1105 Bolivar, Cleveland, O.
Yates J. W. (With Gravity Stops), 168 8th av, New York

## 16875—Window Sash (Reversible)

Badger E. B. & Sons Co. (Automatic Metllic Sash & Frame), 75A Pitts, Boston, Mass.
*See adv index at end of book*
Bolles Aerial E. ("Bolles" Revolving), 52 Duane, New York
Dean Reversible Window Co., 551 Brannon, San Francisco, Cal.
Deissler P. & Bro., 249 S 6th, Phila., Pa.
Forderer Cornice Works, 269 Potrero av, San Francsico, Cal.
Hipolito Screen & Sash Co., Los Angeles, Cal.
International Window Mfg. Co. ("George" Pivot Window), 2007 W Allegheny av, Phila., Pa.
Leonard Sheet Metal Works ("Ideal" Ventilating), Hoboken, N. J.
Metal Reversible Window Device Co., Fremont, O.
Pruden C. D. Co. (Metal), Dock & Warner, Baltimore, Md.
Tabor Sash Fixture Co., Main Office & Factory, 69 Polk, Newark, N. J.

## Window Screen Cloth

See Wire Cloth, Window Screen

## 16876—Window Screen & Awning (Combined)

Phenix Mfg. Co. ("Phenix"), Milwaukee, Wis.

## 16877—Window Shade Fixtures

Steelton Mfg. Co. (Adjustable Metal Strip), Steelton, Pa.

## 16878—Window Shade Mfrs.

Bailey & Weston, 81 Washington, Boston, Mass.
Bosch Henry Co., 526 S Wabash av, Chicago, Ill.
Breneman Chas. W. & Co., 2045 Reading rd., Cincinnati, O.
Caxton School Supply Co. ("Caxton" "Chicago" Adjustable), 560 W Monroe, Chicago, Ill.
Hamilton Mfg. Co., Anderson, Ind.
Hees-MacFarlane Co., 957 Hubbard, Detroit, Mich
Kloes F. J., 243 Canal, New York
Ordinator Co., 101 Park av, New York
Pinney, Casse & Lackey Co., Fremont, Jersey City, N. J.
Standard Stamping & Die Co., 153 33rd, Brooklyyn, N. Y.
*See adv index at end of book*
Talbert-Whitmore Co. ("Damask"), Los Angeles, Cal
Volker Wm. & Co., N W cor 3d & Main, Kansas City, Mo.
Weiss & Klau Co., 462 B'way, New York

## 16879—Window Springs (Burglar Alarm)

Bernz Otto, 27 Ashland, Newark, N. J.
Edwards & Co., 140 & Exterior, New York
Farrington & Co., Mt. Vernon, N. Y.
Manhattan Electrical Supply Co. ("Ezytest"), 17 Park pl, New York
*See adv index at end of book*
Ostrander & Co., W. R., 371 B'way, New York

## 16880—Window Stop Screws & Washers

Read A. P. Co. ("Read's" Flush Face & Oval Heads), 568 W Washington, Chicago, Ill.

## 16880a—Windows (Basement, All Metal)

Majestic Co., Huntington, Ind.

## 16881—Windows (Casement, Wrought Steel)

See also Window Frames

Crittall Casement Window Co., 685 E Atwater, Detroit, Mich.

## 16882-83—Windows (Cellar)

Detroit Steel Products Co. ("Fenestra" Rolled Steel), 2250 E Grand blvd, Detroit, Mich.
Hope Henry & Sons, 103 Park av, New York
International Casement Co., Jamestown, N. Y.
**Majestic Co. (Cast Iron Frame), Huntington, Ind.**
**Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.**
**Wheeling Metal & Mfg. Co. (Steel), Wheeling, W. Va.**

## 16884—Windows (Fire-Proof, Wire Glass)

**See also Window Frame & Sash, Metallic**
Badger E. B. & Sons Co. (Automatic), 75A Pitts, Boston, Mass.
*See adv index at end of book*
Braun J. G., 609 S Paulina, Chicago, Ill.
**Byrd John, 1427 Catherine, Phila., Pa.**
Clason Architectural Metal Works, 428 Kinsley av, Providence, R. I.
Consolidated Sheet Metal Works, 661 Hubbard, Milwaukee, Wis.
**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo st, Jamestown, N. Y.
*See adv index at end of book*
Dowman-Dozier Mfg. Co., Atlanta, Ga.
**EDWARDS MFG. CO., 545-565 Eggleston av, Cincinnati, O.**
*See adv index at end of book*
International Steel & Iron Co., Evansville, Ind.
**Knisley Bros., 2799 S 5th av, Chicago, Ill.**
**Knisley H. C. Co. (Revolving), 1908 S Western av, Chicago, Ill.**
McFarland-Hyde Co., 2701 S 5th av, Chicago, Ill.
**Machwirth Bros. Co., 201-9 Oak, Buffalo, N. Y.**
**Mesker Bros. Iron Co., 421 S 6th, St. Louis, Mo.**
**Miller J. A. & Bro. 427 N. Ashland, Chicago, Ill.**
Pomeroy S. H. Co., 282 E 134th, New York
Pruden C. D. Co., Dock & Warner, Baltimore, Md.
**Richey, Browne & Donald, Flushing av, Maspeth, N. Y.**
**Scholes Bros., 1241 Rosedale, Pittsburgh, Pa**
**Sykes Steel Roofing Co., 930 W 19th pl, Chicago, Ill.**
**Thorn J. S. Co., 20th & Allegheny av, Phila., Pa.**
**Voigtmann & Co., 445 W Erie, Chicago, Ill.**
**Weis Henry Cornice Co., Kansas City, Mo.**
**Weyand Henry Co., Waterbury, Conn.**
**Witt & Brown, 215 W 3rd, Cincinnati, O.**

## 16884a—*Windows (Glass Stained)

See also Windows, Memorial; also Glass, Stained; also Windows, Cathedral
Chicago Millwork Supply Co. (Glazed), 1404 W 37th, Chicago, Ill.
Daprato Statuary Co., 766 W Adams, Chicago, Ill. *See adv index at end of book*

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## 16885—*Windows (Hollow Steel)

**DAHLSTROM METALLIC DOOR CO.**, 413 Buffalo st, Jamestown, N. Y.
*See adv index at end of book*

## Windows (Kalameined)

See Doors & Windows, Kalameined

## 16886—Windows (Puttyless)

Federal Window Co., 445 E Water, Milwaukee, Wis.
Milwaukee Corrugating Co. ("Daylight" Hog House), Milwaukee, Wis.
**Racine Puttyless Window Co. ("Racine"), Racine, Wis.**

## Windows (Reversible)

See Window Sash, Reversible

## 16887-8—Windows (Rolled Steel)

**American Steel Window Co., 334 S Michigan av, Chicago, Ill.**
**Bayley Wm. Co. (Rolled Steel), Springfield, Ohio**
**Braun J. G. (Rolled Steel), 609 S Paulina, Chicago, Ill.**
Detroit Steel Products Co. ("Detroit Fenestra"), 2250 E Grand blvd, Detroit, Mich.
International Casement Co. (& Drawn, Bronze), Jamestown, N. Y.
**Kawneer Mfg. Co. ("Kawneer" Solid Steel), Niles, Mich.**
**Lightwell Steel Sash Co., Wilmington, Del.**
**Lupton's, David Sons Co., Allegheny av & Tulip, Phila., Pa.**
**Mesker Bros. Iron Co., 421 S 6th, St Louis, Mo.**
**Richey, Browne & Donald ("Browne"), Flushing av, Maspeth, N. Y.**
**Truscon Steel Co. ("United"), Youngstown, O.**
**Voigtmann & Co., 445 W Erie, Chicago, Ill.**
**Winslow Bros. Co., 4600 Harrison, Chicago, Ill.**

## Windows (Storm)

See Storm Doors & Windows

## 16889—Windrowers (Hay)

Blocki F. Co., Sheboygan, Wis.
Gaterman Mfg. Co., Manitowoc, Wis.
Thornburgh Mfg. Co. (Side Delivery), Bowling Green, O.
Walker Mfg. Co. ("Western"), Council Bluffs, Iowa

## 16889a— Wiper Towels

Strong Machinery & Supply Co., 21 Walker, New York

## 16890— Wipers (Machine)

See also Waste, Cotton & Wool
American Cotton Mills Co., 353 Broadway, New York
**America Silk Mfg. Co. (Raw Silk), 4341 Orchard, Phila., Pa.**
**Bishop Robt. Mfg. Co. (Railroad & Machinery Wipers), 157 W 6th, South Boston, Mass.**
**Columbus Washed & Sterilized Wiper Co., 522 Parsons av, Columbus, Ohio**
Crowther Harry (Silk), Rorer & Ontario, Philadelphia, Pa.
Detroit Sanitary Bag Co., 27 Woodward, Detroit, Mich.
Elkhart Junk Co., Elkhart, Ind.
**Erie Iron & Steel Co., Erie, Pa.**
Felber Sales Co., Superior & 38th, Cleveland, Ohio
Fulton Bag & Cotton Mills, Atlanta, Ga.
Gumbinsky Bros. Co., 2261 S Union av, Chicago, Ill.
Hagy Clayton L. & Son (Inc.), 16th & Carpenter, Phila, Pa.
Hagy J. Milton Waste Works, 836 Swanson, Phila., Pa.
Hall W. & Co., Lansdowne, Pa.
Houghton E. F. & Co ("Houghton's U. S."), 240 W Somerset, Phila., Pa.
Hubley Gordon A., 134 Exchange, Worcester, Mass. *See adv index at end of book*
Kaufman M., 347 N Sheldon, Chicago, Ill.
Merchants & Manufacturer's Supply Co., Chelsea, Mass.
Ohio Sanitary Wipers Co., 2273 Smead av, Toledo, Ohio
**OIL & WASTE SAVING MACHINE CO.**, Real Estate Trust bldg, Phila., Pa.
*See adv index at end of book*

**Oil & Waste Saving Machine Co.**
**PHILADELPHIA, PA.**
Oil Reclaiming Machines
Waste Reclaiming Machines
Chip Separators, Oil Filters

O'Neill Bros., Oxford & Howard, Phila., Pa.
Sanitary-Washed Wiper Co., 813-15 So. Delaware, Indianapolis, Ind.
Scheinman I. L. & Co. ("I. L. S. & C."), 38 Sherman, Detroit, Mich.
**STRONG MACHINERY & SUPPLY CO. ("Strong's Tisafine"), 21 Walker, New York** *See adv index at end of book*
Wilkinson Seth (Silk), Central Falls, R. I.
Wolf W. & Sons (Silk), 549 Atlantic av, Boston, Mass.

## Wiping Cloths

See Cloths, Wiping, Plumbers'; also Wipers, Machinery

## 16890a— Wire

Alloy Metal Wire Co. (All Kinds), 154 Nassau, New York
*See adv index at end of book*

**Alloy Metal Wire Co.**
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**Resistance Wires**
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154 Nassau Street New York
**Branches: Boston, Pittsburg, Chicago**

**FISHEL & MARKS CO.**, ft. of Krakow av, Cleveland, Ohio
*See adv index at end of book*
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*

## 16891—Wire (Aerial & Cable)

Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Boker H. & Co., Inc. ("Meteor" Spark Plug), 101 Duane, New York
**Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.**
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
Habirshaw Elec. Cable Co., 10 E. 43d, New York
**Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.**
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Okonite Co. ("Candee"), Passaic, N. J.
**Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.**
**ROEBLING'S JOHN A. SONS CO.**, Main Office, Trenton, N. J. Works: Trenton, & Roebling, N. J.
*See adv index at end of book*
**Safety Insulated Wire & Cable Co., 114 Liberty, New York**
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*
**Simplex Wire & Cable Co., 201 Devonshire, Boston, Mass.**
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Upson-Walton Co., 1294 W. 11th, Cleveland, O.
**WICKWIRE SPENCER STEEL CORP.**, Worcester, Mass.
*See adv index at end of book*

## 16892— Wire (Aeroplane)

Acklin Stamping Co., 1659 Dorr, Toledo, O
*See adv index at end of book*
**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Century Telephone Construction Co., Buffalo, N. Y.
Electrical Alloy Co., Morristown, N. J.
Rathbone A. B. & J., Palmer, Mass.
Roebling's, John A. Sons, Trenton, N. J.
*See adv index at end of book*
Simplex Wire & Cable Co., 201 Devonshire, Boston, Mass.
Upson Walton Co., 291 B'way, New York

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## 16893—Wire (Aluminum)

Aluminum Co. of America (Bare & Insulated Wire & Cables), Oliver bldg, Pittsburgh, Pa.
*See adv index at end of book*
Bradford Co. (Imp.), 200 5th av, New York
Cleveland Metal Products Co., 7609 Platt av & C. & P. tracks, Cleveland, O.
Harris Frederick T., 69 Sprague, Providence, R. I.
Hough, W. S. Jr. Co., 61 Peck, Providence, R. I.
Metal Products Co., Inc., 100 So. Jefferson, Chicago, Ill.
*See adv index at end of book*
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich.
*See adv index at end of book*
Seligman Arthur (Imp.), 165 B'way, New York
Stipson Edwin B. Co., 68 Franklin av, Brooklyn, N. Y.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
**WELD-WIRE,** 295 Christopher av, Brooklyn, N. Y. *See adv index at end of book*

## 16894—Wire (Aluminum Bronze)

Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.

## 16895—Wire (Aluminum Coated)

Wilder Metal Coating & Mfg. Co., Connellsville, Pa.

## Wire (Annealed)

See Wire, Market

## 16896—Wire (Annunciator or Office)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
American Electrical Works, Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Ansonia Electrical Co., Ansonia, Conn.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Boston Insulated Wire & Cable Co., Boston, Mass.
Bridgeport Brass Co., Bridgeport, Conn.
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.
Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
Goldmark James Co., 81 Warren, New York
Goodrich B. F. Co., Akron, O.
Great Lakes Steel Products Co., Inc., 43 S Dearborn, Chicago, Ill.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Monarch Electric & Wire Co., 622 W Adams, Chicago, Ill.
Moore Alfred F., 200 N 3d, Phila., Pa.
National Conduit & Cable Co., 41 Park Row, New York
New England Electrical Works, Lisbon, N. H.
Phillips Wire Co., Pawtucket, R. I.
Purdy A. R. Co., Inc., 130 Christopher st, New York *See adv index at end of book*
**ROEBLING JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Rome Wire Co. ("Rome-Wire"), Rome, N. Y. *See adv index at end of book*
Runzel-Lenz Electric Mfg. Co., 1751 N Western av, Chicago, Ill.
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
*See adv index at end of book*
Western Electric Co., 463 West, New York

## 16897—Wire (Antenna — Aerial & Antenna Cord)

**DRIVER-HARRIS CO.,** Harrison, N. J.
*See adv index at end of book*
Riverside Metal Co., Riverside, N. J.
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*
Standard Underground Cable Co., Pittsburgh, Pa.

## 16898—Wire (Armature Banding)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
**BLANCKE A. C. & CO.,** 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Prentiss G. W. & Co., Holyoke, Mass.
Riverside Metal Co., Riverside, N. J.
**ROEBLING'S JOHN A. SONS CO.,** Trenton, N. J. *See adv index at end of book*
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Washburn Wire Co., Phillipsdale, R. I.

## 16899—Wire (Asbestos Covered)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Boston Insulated Wire & Cable Co., Boston, Mass.
D. & W. Fuse Co. ("Deltabeston"), Hathaway, Providence, R. I.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Independent Lamp & Wire Co., 1733 B'way, New York
Johns-Manville H. W. Co., Madison av & 41st, New York
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & MFG. CO.,** East Pittsburgh, Pa.
*See adv index at end of book*

## 16900—Wire (Automobile & Motor Boat)

American Steel & Wire Co. (& Cables), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
**BETTES & EBSEN,** 152 Chambers, New York *See adv index at end of book*
Bishop Gutta Percha Co., 420 W 25th, New York
Boston Ins. Wire & Cable Co., Boston, Mass.
Goodrich B. F. Co., Akron, O.
Hazard Mfg. Co., Wilkesbarre, Pa.
Indiana Rubber Ins. Wire Co., Jonesboro, Ind.
Lowell Insulated Wire Co., Lowell, Mass.
Moore Alfred F., 200 N 3rd, Phila., Pa.
New England Cable Co., Concord, N. H.
N. Y. Insulated Wire Co., 114 Liberty, New York
O'Konite Co., 501 5th av, New York
O'Konite Co. (& Motor Boat), Passaic, N. J.
Packard Electric Co., Dana av, Warren O.
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*
Safety Ins. Wire & Cable Co., 114 Liberty, New York
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.

## 16901— Wire (Barbed)

**AMERICAN STEEL & WIRE CO.** ("American Glidden," "Lyman," "Ellwood Junior," "Ellwood Glidden," "American Special," "Baker Perfect," "Waukegaw"), 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Atlantic Steel Co. (Steel), Atlanta, Ga.
Belfont Iron Works Co., Ironton, O.
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Cambria Steel Co., Widener bldg, Phila., Pa.
Colorado Fuel & Iron Co. (Plain & Galvanized), Denver, Colo.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Cyclone Fence Co., Waukegan, Ill.
Frost Superior Fence Co., E. 131st, Cleveland, O.
Great Lakes Steeel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
IGOE BROTHERS, Canal & Lafayette, New York *See adv index at end of book*
Indiana Steel & Wire Co. (Galvanized), Muncie, Ind.
Interstate Iron & Steel Co., 104 S Michigan, Chicago, Ill.
Janesville Barb Wire Co., Janesville, Wis.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kelly Neil & Iron Co., Ironton, O.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Northwestern Barb Wire Co., Sterling, Ill.
Norton Iron Works, Ashland, Ky.
Page Steel & Wire Co., Adrian, Mich.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Steel Galvanized & Painted), 5th av & Grant, Pittsburgh, Pa.

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Veithardt Steel & Metal Corp., 15 Park row, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

### 16901a— Wire (Bonnet)

**ROEBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

### 16902—Wire (Bookbinders')

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Chicago Steel & Wire Co.(Stitching), 10257 Torrence av, Chicago, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Morrison J. L. Co., Niagara Falls, N. Y.
Prentiss G. W. & Co., Holyoke, Mass.
**ROEBLING'S JOHN A. SONS CO.,** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*
Wickwire Spencer Steel Corp. ("Eclipse"), Worcester, Mass.
*See adv index at end of book*

### 16903— Wire (Braided)

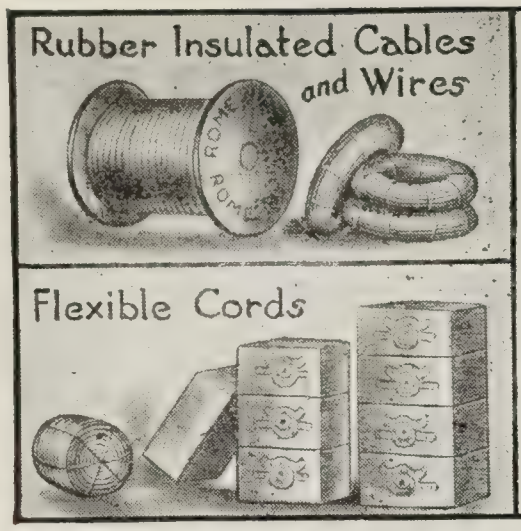
Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
**Kokomo Steel & Wire Co. (Made From Four Wires Braided), Kokomo, Ind.**

### 16904—Wire (Brass & Bronze Screw)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
Hough W. S. Jr. Co., 61 Peck, Providence, R. I.
Riverside Metal Co., Riverside, N. J.

### 16905—Wire (Brass & Copper)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
American Electrical Works (Copper Wire & Cables for Electrical Use), Phillipsdale, R. I.
American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
Babbitt L. L. (Fire Wires), Clayville, N. Y.
Besly Chas. H. & Co. ("Helmet"), 120 H N Clinton, Chicago, Ill.
Bridgeport Brass Co., Bridgeport, Conn.
Bristol Brass Co. (Brass Only), Bristol, Conn.
Cary Spring Works (Brass for Springs), 240 W 29th, New York
**CHASE METAL WORKS** ("Chase," also Bronze), Waterbury, Conn.
**CHASE ROLLING MILL CO.** ("Chase," also Bronze), Waterbury, Conn.
Chicago Insulated Wire Co., 53 W Jackson blvd, Chicago, Ill.
Detroit Copper & Brass Rolling Mills, Clark av nr Wabash RR, Detroit, Mich.
**Driver-Harris Co., Harrison, N. J.**
*See adv index at end of book*
**Eastwood Wire Mfg. Co., Belleville, N. J.**
**Foley F. W. (Copper), Dollar Bay, Mich.**
Harris Frederick T. (Brass Only), 69 Sprague, Providence, R. I.
Hartley Geo. (Fine Brass), Waterbury, Conn.
Haven R. H. & Son, Bridge & Front, Grand Rapids, Mich.
Hazard Mfg. Co. (Copper Only), Wilkes-Barre, Pa.
Hough W. S. Jr. Co., 61 Peck, Providence, R. I.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Keystone Ornamental Iron & Bronze Wks., (Brass), 830 Howard, San Francisco, Cal.
Manhattan Brass Co. (Brass & Bronze), 332 E. 28th, New York
**MERCHANT & EVANS CO.,** Washington av & 21st, Phila., Pa.
*See adv index at end of book*
Metal Products Co., Inc., 100 So. Jefferson, Chicago, Ill. *See adv index at end of book*
Michigan Copper & Brass Co., 1611 W Jefferson av, Detroit, Mich.
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich.
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
National Conduit & Cable Co. (Copper Wire & Cable), 41 Park Row, New York
North American Copper Co., 52 Vanderbilt av, New York
Phillips Wire Co., (Copper), Pawtucket, R. I.
Plume & Atwood Mfg. Co., Waterbury, Conn.
Randolph-Clowes Co. (High & Low Brass, Only), Waterbury, Conn.
Riverside Metal Co. (Brass), Riverside, N. J.
**ROEBLING'S JOHN A. SONS CO.,** Main Office: Trenton, N. J. Works Trenton & Roebling, N. J.
*See adv index at end of book*
Rome Brass & Copper Co., Rome, N. Y.
**ROME WIRE CO.** ("Rome Wire") (Copper Only), Rome, N. Y.
*See adv index at end of book*
**SCOVILL MFG. CO.** (Brass), Waterbury, Conn. *See adv index at end of book*
**Seymour Mfg. Co.** (Brass), Seymour, Conn.
**Spargo Wire Co.** (Copper Only), **Fine Sizes a Specialty**), Rome, N. Y.
**Standard Underground Cable Co.** (Copper for Electrical Use), Westinghouse bldg, Pittsburgh, Pa.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Phila., Pa. *See adv index at end of book*
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Waclark Wire Co. (Copper Only), 20 Exchange pl, New York
Washburn Wire Co. (Electric Copper), Phillipsdale, R. I.
Waterbury Rolling Mills, Waterbury, Conn.

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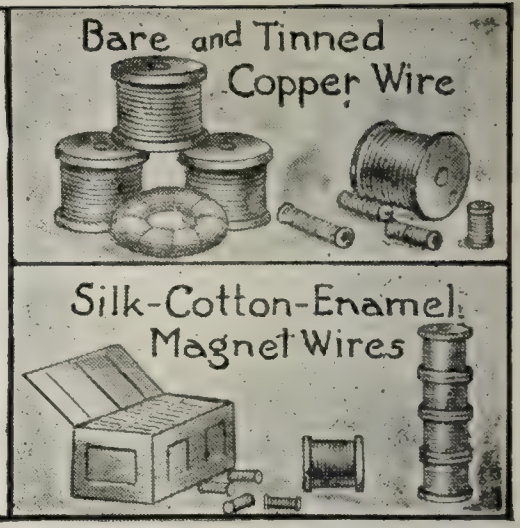
Rome, N. Y.




WIRE (BRASS & COPPER)—continued

**WELD-WIRE,** 395 Christopher av, Brooklyn, N. Y. *See adv index at end of book*
Whitehead Metal Products Co., 67-73 Washington, N Boston, Mass. *See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16905a— Wire (Brazing)

**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York *See adv index at end of book*

### Wire (Bright Market)

See Wire, Market

### 16906— Wire (Bronze)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
**AMERICAN BRASS CO.,** Waterbury, Conn. *For branch offices see adv index at end of book*
Bristol Brass Co., Bristol, Conn.
Cary Spring Works (For Springs), 240 W 29th, New York
Detroit Copper & Brass Rolling Mills, Clark av nr Wabash RR, Detroit, Mich.
Hough W. S. Jr. Co. (Phosphor Bronze), 61 Peck, Providence, R. I.
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Michigan Copper & Brass Co., 1611 W Jefferson av, Detroit, Mich.
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich. *See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York *See adv index at end of book*
Riverside Metal Co., Riverside, N. J.
Rome Brass & Copper Co., Rome, N. Y.
Rome Wire Co. ("Rome Wire"), Rome, N. Y. *See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn. *See adv index at end of book*
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
Vanadium Metals Co., Vanadium bldg, Pittsburgh, Pa.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16907—Wire (Broom & Brush)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Babbitt L. L. (Brush Makers' Drawing Wire, Brass, Copper, German Silver, Steel, Scratch Brush Wire, etc), Clayville, N. Y.
Chicago Steel Wire Co. (Broom), 1025 Torrence av, Chicago, Ill.
Great Lakes Steeel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Hartley Geo. (Brass & Steel Scratch), Waterbury, Conn.
Igoe Brothers (Broom), Canal & Lafayette, New York *See adv index at end of book*
**LARKIN J. K. & CO.** (Broom), 34 Reade, New York. *See adv index at end of book*
Newman C. Wire Co., 25 Church, New York
Paxson J. W. Co., 1021 N Delaware av, Phila, Pa.
Prentiss G. W. & Co., Holyoke, Mass.
Seneca Wire & Mfg. Co. (Tinned), Fostoria, O. *See adv index at end of book*
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co. (Broom), 49th & S Western av, Chicago, Ill.

### 16908—Wire (Brush Drawing)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Murray Wire Co., 487 N. J. R. R. av, Newark, N. J.
**Seneca Wire & Mfg. Co., Fostoria, O.** *See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16909— Wire (Cable)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Ashland Electric Co., 1517 Haddon av, Chicago, Ill.
**FRICK & LINDSAY CO.** (Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
**Indiana Rubber & Insulated Wire Co. (Insulated), P. O. Box 192, Jonesboro, Ind.**
Larkin J. K. & Co., 34 Reade, New York *See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works. Trenton & Roebling, N. J. *See adv index at end of book*
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Seneca Wire & Mfg. Co., Fostoria, O. *See adv index at end of book*

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### 16910—Wire Cables (Copper)

American Electrical Works, Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Phillips Wire Co., Pawtucket, R. I.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J. *See adv index at end of book*
Simplex Wire & Cable Co. ("Sincore"), 201 Devonshire, Boston, Mass.
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
Upson-Walton Co., 1294 W 11th, Cleveland, O.
**Waclark Wire Co., 20 Exchange pl, New York**

### 16911— Wire (Canvasite)

Safety Insulated Wire & Cable Co., 114 Liberty, N. Y.
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.

### 16912— Wire (Car Seal)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**ROEBLING'S JOHN A. SONS CO.,** Trenton, N. J. *See adv index at end of book*
**Seneca Wire & Mfg. Co., Fostoria, O.** *See adv index at end of book*
**Upson-Walton Co., 1294 W 11th, Cleveland, O.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16912a— Wire (Carburetor)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
Electrical Alloy Corp., Morristown, N. J.

### 16913— Wire (Card)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Prentiss Geo. W. & Co., Holyoke, Mass.
**ROEBLING'S JOHN A. SONS CO.** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J. *See adv index at end of book*
**Seneca Wire & Mfg. Co., Fostoria, O.** *See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16914— Wire (Chain)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Driscoll Wire Co|, Shelton, Conn.
Gem Stopper Co., 2120 Nicholas, Phila., Pa
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16915—Wire (Check Rower)

Chambers, Bering Quinlan Co., Decatur, Ill
Faries Mfg. Co., Decatur, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

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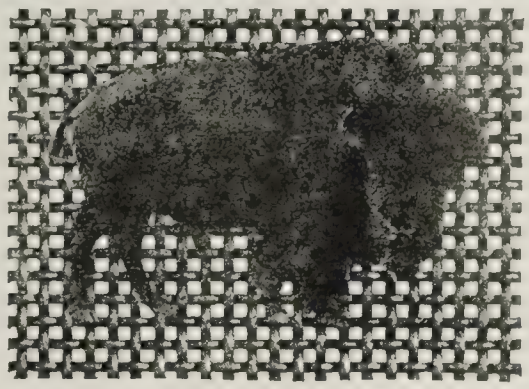

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## .6916— Wire Cloth

Abbe Paul O. (Sifting), 30 Broad, New York
Allen L. H., Amherst, Mass.
Alloy Steel Forging Co., Carnegie, Pa.
American Wire Fabrics Co. (Screen Cloth, etc), 208 S La Salle, Chicago, Ill.
Audubon Wire Cloth Co., Audubon, N. J.
Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
Belmer H. Co., 628 W 3d, Cincinnati, O.
Bennett Wire Co., Inc., 405 Lexington av, New York. *See adv index at end of book*
Bigelow-Cheney Wire Works, Springfield, Mass.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*
Cabble Wm. Excelsior Wire Mfg Co., (Brass), 88 Ainslie, Brooklyn, N. Y.
California Wire Cloth Co., 587 Mission, San Francisco, Cal.
Cincinnati Mfg. Co., Cincinnati, O.
CLEVELAND WIRE CLOTH & MFG. CO., 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Cole-Roscoe Mfg. Co., So. Norwalk, Conn.
Columbus Wire & Iron Works Co., Columbus, O.
Darby Edw. & Sons Co., 412 N 18th, Phila., Pa.
Driver-Harris Co. ("Nichrome"), Harrison, N. J. *See adv index at end of book*
Dufur & Co., 311 N Howard, Baltimore, Md.
Eastwood Wire Mfg. Co. (Brass & Copper), Belleville, N. J.
Electrical Alloy Company (Filter Cloth), Morristown, N. J.
ESTEY BROS. CO., 270 Union av, Brooklyn, N Y. *See adv index at end of book*
Estey Wire Works Co., 34 Cliff, New York
Gilbert & Bennett Mfg. Co. ("Pearl"), Georgetown, Conn.
Gump B. F. Co., 431 S Clinton, Chicago, Ill.
Hanover Wire Cloth Co., Hanover, Pa.
Howard & Morse, 45 Fulton, New York
Jelliff C. O. Mfg. Corp., Southport, Conn.
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Lindsay Wire Weaving Co., 14025 Aspinwall, Cleveland, O.
Ludlow-Saylor Wire Co., Newstead av, c Wabash av, St. Louis, Mo.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
MICHIGAN WIRE CLOTH CO. (All Kinds), 500 Howard, Detroit, Mich.
*See adv index at end of book*
Miller Wire Cloth Co. (Sieve & Strainer), 70 Commercial, Worcester, Mass.
Morss & Whyte Co., Sidney & Pilgrim, Cambridge, Mass.
Multi-Metal Co. (Of Precision, Up to 350 Meshes per inch), 251 W 19th, New York
NEWARK WIRE CLOTH CO. (Fine Mesh, up to No. 350), 223 Verona av, Newark, N. J. *See adv index at end of book*
New Jersey Wire Cloth Co. (Mining), (Steel Iron, Galvanized, etc), Trenton, N. J. *See adv index at end of book*
PHOENIX WIRE WORKS (Kirby & Delquindre), Detroit, Mich.
*See adv index at end of book*
Plocher, Andrew Sons Co., Dayton, O.
Reynolds Wire Co., Dixon, Ill.


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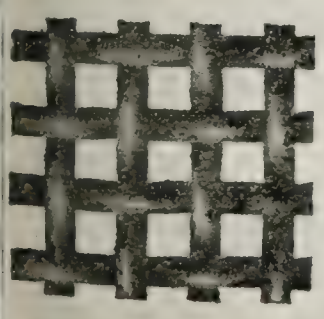

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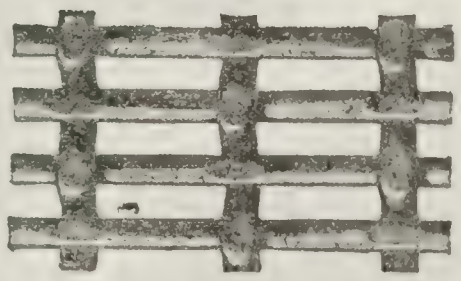

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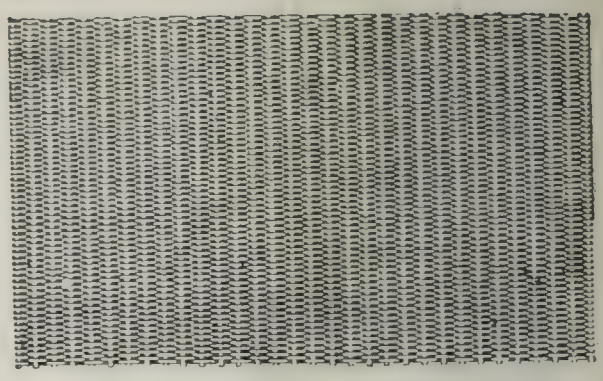

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Rhode Island Wire Works, 45 Willard av, Providence, R. I.

Rogers Wire Works, Inc. ("De Witt"), Belleville, N. J.

**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*

Smith John P. & Co. (All Metals), New Haven, Conn.

Smith T. S., 269 Pearl, New York

Spargo Wire Co. (Copper & Bronze), Rome, N. Y.

Success Mfg. Co. ("Perfection," "Triumph"), Gloucester, Mass.

Syracuse Wire Works, 101 University av, Syracuse, N. Y.

Taylor & Dean, Penn av & 25th, Pittsburg, Pa.

Trumpbour-Whitehead Brass & Copper Co. (Brass, Bronze & Copper), 309-311 Canal, New York & 43 N 7th, Phila., Pa. *See adv index at end of book*

**TYLER W. S. CO.,** Cleveland, O.
*See adv index at end of book*

Voss Frederick, 552 W Monroe, Chicago, Ill.

West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.

Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*


## Wire Cloth
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**Chicago, Ill.**


What Cheer Wire Works, 157 Dorrance, Providence, R. I.

White Wire Works Co., Rochester, N. Y.

Whitehead Metal Products Co. (Brass, Bronze & Copper), 67-73 Washington N Boston, Mass.
*See adv index at end of book*

Whyte Oliver & Co., 21 Cornhill, Boston Mass.

Wickwire Bros. ("Cortland" Window Screen), Cortland, N. Y.

**WICKWIRE SPENCER STEEL CORP** (Clinton), Worcester, Mass.
*See adv index at end of book*

Williams Geo. A. & Son, 85 Fulton, New York

Wisconsin Wire Works (Brass & Bronze Appleton, Wis.

### 16917—Wire Cloth (Brass, Bronze & Copper)

American Wire Fabrics Co. (Screen), 20 S La Salle, Chicago, Ill.

Appleton Wire Works, Appleton, Wis.

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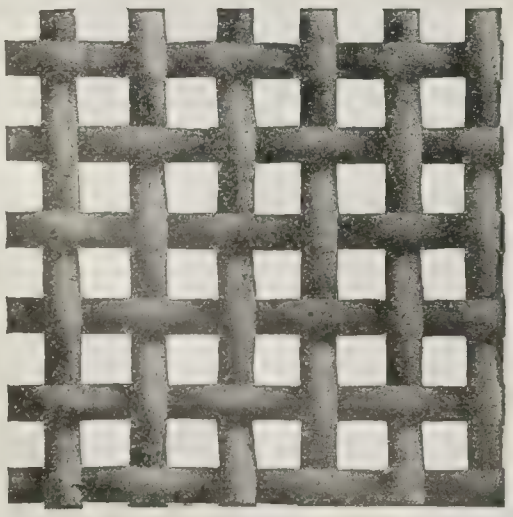

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*See adv index at end of book*

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**Bigelow, Cheney Wire Works, Springfield, Mass.**
**Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.** *See adv index at end of book*
Cleveland Wire Cloth & Mfg. Co., 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Darby Edw. & Sons Co., 412 N 18th, Phila., Pa.
Eastwood Wire Mfg. Co., ("Perfection"), Belleville, N. J.
**ESTEY BROS. CO.,** 270 Union av, Brooklyn, N. Y. *See adv index at end of book*
**Estey Wire Works Co., 34 Cliff, New York**
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton, New York
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
**Jelliff C. O. Mfg. Corp., Southport, Conn.**
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
**Meyers Fred. J. Mfg. Co., Hamilton, O.**
*See adv index at end of book*
**MICHIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich.**
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
**Miller Wire Cloth Co., 70 Commercial, Worcester, Mass.**
Multi-Metal Co. (Of Precision, Up to 350 Meshes per inch), 251 W 19th, New York
**NEWARK WIRE CLOTH CO., 223 Verona av, Newark, N. J.**
*See adv index at end of book*
**New Jersey Wire Cloth Co., Trenton, N. J.**
*See adv index at end of book*
Rogers Wire Works, Inc., Belleville, N. J.
**SMITH F. P. WIRE & IRON WORKS,**
*See adv index at end of book*
Spargo Wire Co., Rome, N. Y.
**TYLER W. S. CO.,** Cleveland, O.
*See adv index at end of book*
**Wickwire Bros., Cortland, N. Y.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Wisconsin Wire Works, Appleton, Wis.**

### 16918-19—Wire Cloth (Centrifical & Filter Cloth)

Cleveland Wire Cloth & Mfg. Co., 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Estey Bros. Co., 270 Union av, Brooklyn, N. Y. *See adv index at end of book*
Estey Wire Works Co., 34 Cliff, New York
Newark Wire Cloth Co., 223 Verona av, Newark, N. J. *See adv index at end of book*

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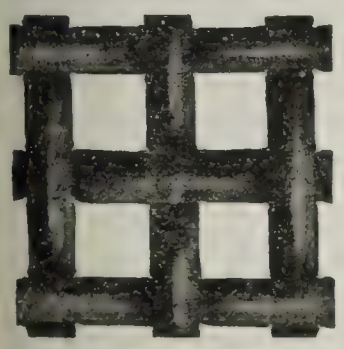
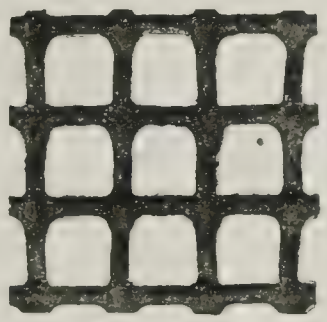
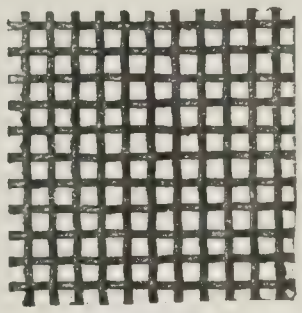
DOUBLE CRIMPED
WIRE CLOTH


2 Mesh; .192 Wire


3 Mesh; .080 Galvanized

5 Mesh; .092 Wire


10 Mesh; .035 Wire

IN ALL MESHES
IN ALL METALS
FOR ALL USES

Mining Screens
Fourdrinier Wires
Filter Cloth
Sugar Cloth
Rolled Wire Cloth
Ventilator Wire Cloth
Draftac Spark Arrester
Plated Mill Screen Cloth
Twilled Wire Cloth
Locomotive Stack Netting
Galvanized Wire Cloth
Tinned Wire Cloth
Ton-Cap Screen
"Tyler Standard" Screen
Scale Testing Sieves

14x40 Mesh; Tinned Twilled Copper

THE W. S. TYLER COMPANY
*Manufacturers of Woven Wire Screens*
CLEVELAND, O.

# WIRE CLOTH

In all Metals to the Finest Meshes Made

BRASS, COPPER. PHOSPHOR BRONZE, NICKEL, MONEL METAL, ETC.

For Sizing, Sifting, Screening, Bolting, Filtering

Monel Metal Filter Cloth Testing Sieves Centrifugal Cloths

## NEWARK WIRE CLOTH COMPANY

222-228 Verona Ave., Newark, N. J., U. S. A.

QUALITY

NEWARK

SERVICE


Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
*See adv index at end of book*
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

### 16920—Wire Cloth (Monel Metal)

Bennett Wire Co., Inc., 405 Lexington av, New York *See adv index at end of book*
Cleveland Wire Cloth & Mfg. Co., 3574 E 78th, Cleveland, O.
*See adv index at end of book*
**ESTEY BROS. CO.,** 270 Union av, Brooklyn, N. Y. *See adv index at end of book*
Estey Wire Works Co., 34 Cliff, New York
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich.
*See adv index at end of book*
**NEWARK WIRE CLOTH CO.** (Filter), 223 Verona av, Newark, N. J.
***See adv index at end of book***
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
*See adv index at end of book*
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

### 16920a— Wire Cloth (Nickel)

Newark Wire Cloth Co., 223 Verona Newark, N. J. *See adv index at end of book*
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*
Estey Bros. Co., 270 Union av, Brooklyn, N. Y. *See adv index at end of book*

### 16920a-1—Wire Cloth (Nickel Silver)

Estey Bros. Co., 270 Union av, Brooklyn, N. Y. *See adv index at end of book*
**Multi-Metal Co. (Up to 350 Mesh per inch),** 251 W 19th, New York
Newark Wire Cloth Co., 223 Verona av, Newark, N. J. *See adv index at end of book*
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv. index at end of book*

### 16920b— Wire Cloth (Platinum)

**Estey** Bros. Co., 270 Union av, Brooklyn, N. Y. *See adv index at end of book*
**NEWARK WIRE CLOTH CO.,** 222 Verona av, Newark, N. J.
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

### 16920c— Wire Cloth (Rolled)

**CLEVELAND WIRE CLOTH & MFG. CO. (THE),** (Rolled Slot & Square Mesh), 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Estey Bros. Co., 270 Union av, Brooklyn, N. Y. *See adv index at end of book*
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

### Wire Cloth (Steel & Iron)

See Wire Cloth

### 16920d— Wire Cloth (Twilled)

Cleveland Wire Cloth & Mfg. Co., 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Estey Bros. Co., 270 Union av, Brooklyn, N. Y. *See adv index at end of book*
**NEWARK WIRE CLOTH CO.,** 223 Verona av, Newark, N. J.
*See adv index at end of book*
Western Metal Products Co., 731 N Wells, Chicago, Ill. *See adv index at end of book*

### 16921—Wire Cloth (Window Screen)

American Wire Fabrics Co. (Painted, Galvanized, Black Enamel & Bright & Antique Bronze), 208 S La Salle, Chicago, Ill.
Bennett Wire Co., 405 Lexington av, New York. *See adv index at end of book*
Darby Edw. & Sons Co., 412 N 18th, Phila., Pa.
Hanover Wire Cloth Co., Hanover, Pa.
Howard & Morse, 45 Fulton, New York
Igoe Brothers, Canal & Lafayette, New York *See adv index at end of book*
Igoe Brothers, 254 Canal, New York
*See adv index at end of book*
Ludlow-Saylor Wire Co. ("Perfect" Bronze), Newstead av cor Wabash R. R., St. Louis, Mo.
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich.
*See adv index at end of book*
New Jersey Wire Cloth Co., Trenton, N. J
*See adv index at end of book*
New York Wire Cloth Co. ("Opal"), Woolworth bldg, New York. Factory York, Pa.
Palmer I. E. Co., Middletown, Conn.
Reynolds Wire Co., Dixon, Ill.
Rogers Wire Works, Inc., Belleville, N. J
**Spargo Wire Co. (Copper & Bronze),** Rome N. Y.
Western Metal Products Co., 731 N Wells Chicago, Ill. *See adv index at end of boo*
Wickwire Bros. (Painted, Bronze, Galvanized, Galvo Black), Cortland, N. Y.
**WICKWIRE SPENCER STEEL CORP** (Clinton), Worcester, Mass.
*See adv index at end of book*

### 16921a—*Wire Coating & Lubrican

**TEXAS COMPANY** ("Crater"), 17 Batter pl, New York
*See adv index at end of book*

### 16922—Wire (Coiled Spring)

**AMERICAN STEEL & WIRE CO.,** 208 La Salle, Chicago, Ill.
*See adv index at end of book*
**BLANCKE A. C. & CO.,** 116 S Michigan av Chicago, Ill. *See adv index at end of boo*
Cambria Steel Co. (Galvanized, for Fences etc), Widener bldg, Phila., Pa.
Carpenter Steel Co., Reading, Pa.
Cary Spring Works, 240 W 29th, New York
Frost Superior Fence Co., E 131st, Cleveland, O.
Indiana Steel & Wire Co., (Galvanized) Muncie, Ind.
Kokomo Steel & Wire Co., Kokomo, Ind.
Newman C. Wire Co., 25 Church, New York
Pittsburgh Steel Co. ("Pittsburgh Perfect"), Pittsburgh, Pa.
Riverside Metal Co. (Phosphor Bronze) Riverside, N. J.
**Washburn Wire Co., Phillipsdale, R. I.**
Wickwire Spencer Steel Corp., Worcester Mass. *See adv index at end of book*
**Wilson Steel Products Co., 49th & Western av, Chicago, Ill.**
Youngstown Sheet & Tube Co. "Youngstown"), Youngstown, O


*ALL GRADES OF WIRE CLOTH MADE OF ALL KINDS OF WIRE*

# THE NEW JERSEY WIRE CLOTH COMPANY

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Wire Lath
Wire Fencing

TRADE JERSEY MARK

Wire Cloth
Wire Netting

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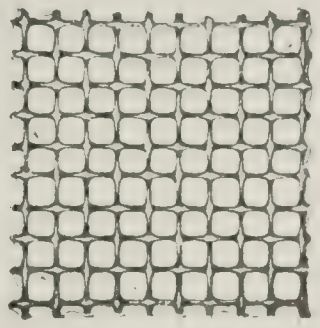
OF ALL KINDS FOR ALL PURPOSES

Plain Galvanized Brass Bronze Copper

Excelsior Wire Lathing—plain, painted, or galvanized; stiffened or unstiffened

## Wickwire Spencer Steel Corporation

Worcester, Mass. Buffalo, N. Y.



Successor to

Clinton-Wright Wire Co. Clinton Wire Cloth Co. Spencer Wire Co.
Wickwire Steel Co. Morgan Spring Co. National Mfg. Co. Wright Wire Co.


### 16923—Wire (Cold Drawn Steel)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Atlas Crucible Steel Co., Dunkirk, N. Y
Cary Spring Works, 240 W 29th, New York
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Igoe Bros., Poinier, Newark, N. J.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Kidd Drawn Steel Co., Allquippa, Pa.
Kokomo Steel & Wire Co., Kokomo, Ind
Ludlum Steel Co. (Cold Drawn Chrome Wire), Watervliet, N. Y.
Newman C. Wire Co., 25 Church, New York
Page Steel & Wire Co., Grand Central Terminal, New York
*See adv index at end of book*
Peerless Drawn Steel Co. (High Carbon & Alloy Steels), Massillon, O.
Prentiss G. W. & Co., Holyoke, Mass.
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Washburn Wire Co., Phillipsdale, R. I.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

### 16924—Wire (Cold Rolled)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Newman C. Wire Co., 25 Church, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16925—Wire (Connecting & Leading)

See also Blasting Supplies

Atlas Powder Co., 140 N Broad, Phila., Pa.
*See adv index at end of book*
Giant Powder Co., Cons., San Francisco, Cal. *See adv index at end of book*
**HERCULES POWDER CO.,** Wilmington, Del. *See adv index at end of book*

### Wire (Copper)

See Wire, Brass & Copper

### 16926—Wire (Copper (Clad)

**STANDARD UNDERGROUND CABLE CO.** ("Colonial"), Westinghouse bldg, Pittsburgh, Pa.
Steel Sales Corpn., Adams & Jefferson, Chicago, Ill.

### 16927—Wire (Copper Telephone)

American Electrical Works, Phillipsdale, R. I
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
Detroit Copper & Brass Rolling Mills, Clark av, nr Wabash RR, Detroit, Mich.
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Indiana Rubber & Insulated Wire Co. (Insulated), P. O. Box 192, Jonesboro, Ind.
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Michigan Copper & Brass Co., 1611 W Jefferson av, Detroit, Mich.
North American Copper Co., 52 Vanderbilt av, New York
Phillips Wire Co., Pawtucket, R. I.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Rome Wire Co. ("Rome Wire"), Rome, N. Y. *See adv index at end of book*
Safety Insulated Wire & Cable Co. (Rubber Insulated), 114 Liberty, New York
Simplex Wire & Cable Co. ("Simcore"), 201 Devonshire, Boston, Mass.
Standard Underground Cable Co., Westinghouse, bldg, Pittsburgh, Pa.
Waclark Wire Co., 20 Exchange pl, New York

### 16928— Wire (Coppered)

American Electrical Works, Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**IGOE BROTHERS,** Canal & Lafayette, New York
*See adv index at end of book*
Indiana Steel & Wire Co., (Bright), Muncie, Ind.
Prentiss G. W. & Co., Holyoke, Mass.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Washburn Wire Co., Phillipsdale, R. I
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

### 16929— *Wire Cord

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Upson-Walton Co. of N. Y., The ("Perfection", "Drednaut" Iron, Bright and Galvanized, also Special Cords), 291 B'way, New York

### 16929a— Wire Core

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill. *See adv index at end of book*
Atlantic Wire Co., Branford, Conn.
Blancke A. C. Co., 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Driscoll Wire Co., Shelton, Conn.
Roebling John A. Sons Co. Main Office Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16929b— Wire (Dental)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
Electrical Alloy Co., Morristown, N. J.

### 16929c—*Wire (Electric Resistance)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*


**Alloy Metal Wire Co.**

Manufacturers of

**Electric Resistance Wire**

154 Nassau Street New York

Branches: Boston, Pittsburg, Chicago


### Wire, Electrical

See Insulated, Copper, Magnet, Enameled Rubber Covered & other kinds of Wire

### 16930— Wire (Enameled)

Acme Wire Co. ("Enamelite"), New Haven, Conn.
Automatic Electric Co. ("Raven"), 1001 W Van Buren, Chicago, Ill.
Belden Mfg. Co. ("Cotenamel" "Beldenamel"), 2316 S. Western av, Chicago, Ill.
Bradford Kyle & Co., Plymouth, Mass.
Chicago Insulated Wire Co., 53 W Jackson, Chicago, Ill.
Dudlo Mfg. Co. (Sizes 25 to 40 B. S. Gauge), Fort Wayne, Ind.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Massachusetts Electric Mfg. Co., Lynn, Mass.
Moore Alfred F., 200 N 3d, Phila., Pa.
Reliable Electric Co., 411 S Sangamon, Chicago, Ill.
Riege, Archer C., 44 E Allen, Phila., Pa.
**ROEBLING'S JNO. A. SONS CO.,** Trenton, N. J. *See adv index at end of book*
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*

### 16931—*Wire Fabric Reinforcement

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

### 16932— Wire (Feeder)

American Electrical Works, Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Ansonia Electrical Co. (Electric Railway Wires & Cables), Ansonia, Conn.
Collyer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Hazard Mfg. Co., Wilkes-Barre, Pa.
Indiana Rubber & Insulated Wire Co. (Insulated), P. O. Box 192, Jonesboro, Ind.

WIRE (FEEDER)—continued

Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
National Conduit & Cable Co. (Weatherproof Wire & Cable), 41 Park Row, New York
Okonite Co. (Railway Feed, etc), Passaic, N. J.
Phillips Wire Co., Pawtucket, R. I.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Simplex Wire & Cable Co. ("Simcore"), 201 Devonshire, Boston, Mass.
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.

## 16933— Wire (Fence)

See also Fences, Woven Wire

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Builders Iron Works Co., St. Paul, Minn.
Cyclone Fence Co., Waukegon, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Frost Superior Fence Co., E 131st, Cleveland, O.
Gulf States Steel Co., Birmingham, Ala.
Herzog Iron Works, St. Paul, Minn.
Interstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Keystone Steel & Wire Co., Peoria, Ill.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J.
*See adv index at end of book*
**WICKWIRE SPENCER STEEL CORP.,** Worcester, Mass.
*See adv index at end of book*

## 16934—Wire Fences & Gates

See also Fences, Railroad & Farm; also Fences, Woven Wire

Adrian Wire Fence Co. (Wholesale Mfrs), Adrian, Mich.
American Fence Construction Co., 96 Church, New York
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Anchor Post Iron Works, 167 B'way, New York *See adv index at end of book*
Barnes Wire Fence Co., 552 Ferry Pk, Detroit, Mich.
Bond Steel Post Co. ("Empire"), Adrian, Mich.
Brown H. L. Fence & Mfg. Co. ("Norwood"), Oakley, Cincinnati, O.
Builders Iron Works Co., St. Paul, Minn.
Champion Iron & Wire Wks., Omaha, Neb.
Colvin Chase Fence Co., South Charleston, Ohio
Cyclone Fence Co. (Ornamental), Waukegan, Ill.
Decatur Mfg. Co., Decatur, Ill.
Dwiggins Wire Fence Co. (Wholesale Mfrs. for Fields, Lawns, Cemeteries & Parks), Anderson, Ind.
Elliott & Reid Co. (Slat Fence, etc), Richmond, Ind.
Enterprise Iron Works (Cemetery, Farms, etc), Indianapolis, Ind.
Eureka Fence Mfg. Co. (Lawn Fences & Gates, etc), Richmond, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**FISKE J. W. IRON WORKS,** 111 Park pl, New York
Frost Superior Fence Co. (Farm & Railroad Fence & Steel Gates), E 131st, Cleveland, O.
Gate City Fence Works,, Atlanta, Ga.
Gem Wire Fence Co., Pontiac, Mich.
Gilbert & Bennett Mfg. Co. (Wholesale Mfrs.), Georgetown, Conn.
Gulf States Steel Co. (Field Fencing Only), Birmingham, Ala.
Hoosier Fence Co. (Wholesale Mfrs. of Ornamental Steel Wire), Frankton, Ind.
Howard & Morse, 45 Fulton, New York
Indiana Steel & Wire Co. (Mfrs.), Muncie, Ind.
Janesville Barb Wire Co. (Wholesale Mfrs.), Janes, Wis.
Keystone Steel & Wire Co. ("Square Deal"), Peoria, Ill.
Kitselman Bros. (Mfrs., Ornamental), Muncie, Ind.
Kokomo Fence Machine Co. (Ornamental), Kokomo, Ind.
Kokomo Steel & Wire Co. ("Kokomo Pioneer" Ornamental), Kokomo, Ind.
Lansing Co., Lansing, Mich.
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Ludlow-Saylor Wire Co., Newstead av, c Wabash R. R., St. Louis, Mo.
Mason Fence Co. ("Mason Champion" Wholesale Mfrs.), Leesburg, O.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Michigan Wire Fence Co., Adrian, Mich.
New Jersey Wire Cloth Co., Trenton, N. J.
*See adv index at end of book*
Nichols Wire Co., 21st & Baltimore, Kansas City Mo.
Ohio Anchor Fence Co., Cleveland, O.
Pacific Fence Construction Co., 423 Market, San Francisco, Cal.
Peerless Wire Fence Co., Adrian, Mich.
Pittsburgh Steel Co. ("Pittsburgh Perfect"), 5th av & Grant, Pittsburgh, Pa.
Plocher Andrew Sons Co. (Gates Only), Dayton, O.
St. Louis Wire & Iron Co., St. Louis, Mo.
Schreiber L. & Sons Co., 3869 Ivanhoe, Cincinnati, O.
Shaw Wire Fence Co., Warsaw, O.
Smith A. L. Iron Works, Chelsea, Mass.
**SMITH F. P. WIRE & IRON WORKS,** 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
Spring Steel Fence & Wire Co. (Wholesale Mfrs.), Anderson, Ind.
Steelite Co., 1902 W 77th, Cleveland, O.
Taylor & Dean, Penn av & 25th, Pittsburgh, Pa.
Texas Anchor Fence Co., Ft. Worth, Tex.
Ward Mfg. Co., Decatur, Ind.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wickwire Spencer Steel Corp. (Wholesale Mfrs., Ornamental, Railway & Farm, "Excelsior," "Chain Link," "Poultry" & "Rabbit"), Worcester, Mass.
*See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown," Wholesale Mfrs. Fences Only), Youngstown, O.

## 16935— Wire (Fish)

Rattan Mfg. Co., New Haven, Conn.
Steel City Electric Co. ("Superior"), 1207 Columbus av, Pittsburgh, Pa.

## Wire (Fixture)

See Wire, Insulated

## 16936—Wire (Flat & Round Tempered)

American Steel Co. (Flat), Park bldg., Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Cary Spring Works, 240 W 29th, New York
Crucible Steel Co. of America (Crucible Steel Tempered & Untempered), Oliver bldg, Pittsburg, Pa.
De Haven Mfg. Co., 50 Columbia Heights, Brooklyn, N. Y.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson), Pittsburgh, Pa.
*See adv index at end of book*
Harris Frederick T., 69 Sprague, Providence, R. I.
Newman C. Wire Co., 25 Church, New York
Prentiss G. W. & Co., Holyoke, Mass.
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Schwartz Herrmann, 121 Nassau, New York
Standard Steel & Wire Co., 549 W Washington blvd, Chicago, Ill.
*See adv index at end of book*
Wetherell Bros. Co., 251 Albany, Cambridge, Mass. *See adv index at end of book*

## 16937— Wire (Florists')

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Prentiss G. W. & Co., Holyoke, Mass.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton, & Roebling, N. J.
*See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 16938—*Wire Flower Bed Guards

Cyclone Fence Co., Waukegon, Ill.
Wickwire Spencer Steel Corp. ("Excelsior Rust Proof"), Worcester, Mass.
*See adv index at end of book*

## 16938a—*Wire (For Glass Wire Mfrs.)

Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*

## 16938b— Wire Forming

**AUTOMATIC WIRE GOODS MFG. CO.** 13-15 Canal, New York
*See adv index at end of book*
Blake & Johnson Co., 1500 Thomaston av Waterbury, Conn.
*See adv index at end of book*
Gem Stamped Steel Co., Chelsea, Mass
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hathway Mfg. Co., Bridgeport, Conn.

## 16938c— Wire (Fourdrinier)

Appleton Wire Works, Appleton, Wis.
Babbitt L. L., Clayville, N. Y.
Bigelow, Cheney Wire Works, Springfield Mass.
Buchanan & Bolt Wire Co., Holyoke, Mass
Cabble Wm. Excelsior Wire Mfg. Co., 8 Ainslee, Brooklyn, N. Y.
Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
Eastwood Wire Mfg. Co., Belleville, N. J.
Gleason Thos., East Newark, N. J.
Harris Frederick T. (For Cloth), 9 Sprague, Providence, R. I.
Lindsay Wire Weaving Co., 14025 Aspinwall, Cleveland, O.
McCluskey H. & T. & Sons (Brass & Bronze, all meshes, sizes), New Haven Conn.
Multi-Metal Co., 251 W 19th, New York
Riverside Metal Co. (Phosphor Bronze) Riverside, N. J.
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*
**TYLER W. S. CO.,** Cleveland, O.
*See adv index at end of book*
Wisconsin Wire Works, Appleton, Wis.

## Wire (Galvanized)

See Wire, Market

## 16939— Wire (Gas Mantle)

Electrical Alloy Co., Morristown, N. J.

## 16940— *Wire (Gilding)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*

## Wire Glass for All Purposes

See Glass, Wire, Manufacturers

## 16940a— *Wire (Gong Bell)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

## 16941—Wire Goods (Bright)

See also the Specific Article Required

American Stamping Mfg. Co. (Specialties), Park bldg, Pittsburgh, Pa.
American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
**AUTOMATIC WIRE GOODS MFG. CO.,** 13-15 Canal, New York
*See adv index at end of book*
Autoyre Co., Oakville, Conn.
Belmer H. Co., 628 W 3rd, Cincinnati, O.

Boesch Lamp Co., 962 Mission, San Francisco, Cal.
Bromwell Co., 420 Main, Cincinnati, O.
Brooks M. S. & Sons (All Kinds of Wire Specialties, etc), Chester, Conn.
Campbell Wire Specialty Works (Automatic Work), South Bend, Ind.
Collis Co., Clinton, Ia.
Diamond Wire & Iron Wks (Woven Wire), 201 N West, Indianapolis, Ind.
Easton Tool & Mfg. Co., Bloomfield 'av, Bloomfield, N. J.
Goepel C. F. & Co., 137 E 13th, New York
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hamblin & Russell Mfg. Co., Worcester, Mass.
Howard & Morse, 45 Fulton, New York
Jencks E. Mfg. Co. (Special Bright Iron & Brass, etc), Worcester, Mass.
Jenkinson R. S. & Co., (By Automatic Machines), 293 Washington, Newark, N. J.
Landers, Frary & Clark, New Britain, Conn. *See adv index at end of book*
**MICHIGAN WIRE CLOTH CO.**, 500 Howard, Detroit, Mich.
*See adv index at end of book*
Oakville Co., Waterbury, Conn.
Ohio Wire Goods Mfg. Co., Akron, O.
Parker Wire Goods Co. (Bright & Mill Wire), Worcester, Mass.
Paul & Fulton, Inc. (Specialties), 31 Kinzie, Chicago, Ill.
*See adv index at end of book*
Peerless Wire Goods Co., Lafayette, Ind.
Smith F. P. & Co. (Specials), Sharon Hill, Pa.
Special Machinery Co., Bridgeport, Conn.
Traut & Hine Mfg. Co., New Britain, Conn.
Troy Wire Goods Co., Troy, N. Y.
Turner & Stanton Co., Norwich, Conn.
Wedmore D. A. & Co., Camden, N. J.
**WICKWIRE SPENCER STEEL CORP.**, Worcester, Mass.
*See adv index at end of book*
Wire Goods Co. (Everything in Wire), Worcester, Mass.
Wire Hardware Co., 6126 S La Salle, Chicago, Ill.
Woods-Sherwood Co., Worcester, Mass.

## 16942—Wire (Gun Wrapping)

**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*

## 16943— Wire (Hairpin)

**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
Driscoll Wire Co., Shelton, Conn.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Igoe Brothers, Canal & Lafayette, New York *See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Vickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 16944—Wire (Hook & Eye)

American Brass Co., Waterbury, Conn.
*See adv index & branch offices at end of book*
Driscoll Wire Co., Shelton, Conn.
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*

## 16944a— Wire Infant Cribs

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y. *See adv index at end of book*

## 16945— Wire (Insulated)

A-A Wire Co. (Rubber Covered "A-A"), 48 Nesbitt, Newark, N. J.
Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
**AMERICAN BRASS CO.** ("K. K." Weatherproof & Slow Burning), Waterbury, Conn.
*For branch offices see adv index at end of book*
American Electrical Works, Phillipsdale, R. I.
American Insulated Wire & Cable Co., 954 W 21st, Chicago, Ill.
**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Ansonia Electrical Co., Ansonia, Conn.
Atlantic Insulated Wire & Cable Co. ("Neptune," "Dolphin," "Triton"), Stamford, Conn.
Bay State Insulated Wire & Cable Co. ("Maconite"), Hyde Park, Mass.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Bishop Gutta-Percha Co. (Rubber & Gutta Percha), 420 E 25th, New York
Boston Insulated Wire & Cable Co. (Asbestos & Rubber Covered), Boston, Mass.
Bourn Rubber Co., 58 Warren, Providence, R. I.
Bradford, Kyle & Co., Plymouth, Mass.
Bridgeport Brass Co., Bridgeport, Conn.
Chicago Insulated Wire Co., 53 W Jackson, Chicago, Ill.
Collyer Insulated Wire Co. ("I X L"), Pawtucket, R. I.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Doyle-Dacosta Mfg. Co., Easton, Pa.
**DRIVER-HARRIS CO.**, Harrison, N. J.
*See adv index at end of book*
Edison Elec. Illuminating Co. of Brooklyn, 360 Pearl, Brooklyn, N. Y.
Electrical Alloy Co., Morristown, N. J.
Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
**GENERAL ELECTRIC CO.** (All Kinds), Schenectady, N. Y.
*See adv index at end of book*
Goodrich B. F. Co., Akron, O.
Habirshaw Electric Cable Co., 10 E. 43d, New York
Hazard Mfg. Co. (Rubber), Wilkes-Barre, Pa.
Independent Lamp & Wire Co. (Asbestos) 1733 B'way, New York
Indiana Rubber & Insulated Wire Co. ("Paranite"), P. O. Box 192, Jonesboro, Ind.
Kerite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
Lowell Insulated Wire Co., Lowell, Mass.
Malin & Co. (Spooled), Cleveland, O.
Marlin-Rockwell Corp. ("Rockbestos"), New Haven, Conn.
Marion Insulated Wire & Rubber Mfrs., Marion, Ind.
Midwest Brass & Copper Co., Inc. (Electric), 480 Broome, New York
*See adv index at end of book*
Monarch Electric & Wire Co. ("Monarch," Copper & Iron), 622 W Adams, Chicago, Ill.
Moore Alf. F. (All Kinds), 200 N 3d, Phila., Pa.
National Conduit & Cable Co., 41 Park Row, New York
National India Rubber Co. ("C. M."), Bristol, R. I.
New England Electrical Works, Lisbon, N. H.
New York Insulated Wire Co., 84 State, Boston, Mass.
Okonite Co., Passaic, N. J.
**PEERLESS INSULATED WIRE & CABLE CO.** ("Peerless Perfect Protection" Fibreclad), 90 West, New York
Phillips Wire Co., Pawtucket, R. I.
**ROEBLING'S JOHN A. SONS CO.**, Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
**ROME WIRE CO.** ("Rome Wire"), Rome, N. Y. *See adv index at end of book*
Safety Insulated Wire & Cable Co. (Rubber, Varnished, Cambris & Paper), 114 Liberty, New York
Simplex Wire & Cable Co. ("Simcore"), Boston, Mass.
**STANDARD UNDERGROUND CABLE CO.**, Westinghouse bldg, Pittsburgh, Pa.
Washburn Wire Co., Phillipsdale, R. I.
Western Electric Co., 463 West, New York
**WESTINGHOUSE ELECTRIC & MFG. CO.**, East Pittsburgh, Pa.
*See adv index at end of book*

## 16946— Wire (Iron)

American Electrical Wks, Phillipsdale, R. I.
American Steel & Wire Co. (Rope), 208 So. La Salle, Chicago, Ill.
*See adv index at end of book*
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Central Wire & Iron Works, Des Moines, Ia.
Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
Harris Frederick T., 69 Sprague, Providence, R. I.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Igoe Brothers (Iron & Steel), Canal & Lafayette, New York
*See adv index at end of book*
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**LARKIN J. K. & CO.**, 34 Reade, New York
*See adv index at end of book*
**MICHIGAN WIRE CLOTH CO.**, 500 Howard, Detroit, Mich.
*See adv index at end of book*
Teschen & Sons Rope Co., 920 N 1st, St. Louis, Mo.
**WELD-WIRE CO.**, 395 Christopher av, Brooklyn, N. Y.
*See adv index at end of book*
Williamsport Wire Rope Co., Williamsport, Pa.

## 16947— Wire (Lead)

Chadwick-Boston Lead Co., Boston, Mass.
Conduit Electrical Mfg. Co. ("Shawmut"), 1st & L, Boston, Mass.
Crown Metal Co., 259 Washington, Milwaukee, Wis.
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
North American Copper Co., 52 Vanderbilt av, New York
United Lead Co., 111 B'way, New York

## 16947a—Wire (Line, Copper Clad Steel)

Page Steel & Wire Co. ("Copperweld"), Grand Central Terminal, New York

## 16948— Wire (Liquor Finish)

Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Townsend Co., New Brighton, Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. ("Youngstown"), O.

## 16949-50— Wire (Magnet)

Acme Wire Co. ("Cottonite," "Silkenite"), New Haven, Conn.
Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
American Electrical Works, Phillipsdale, R. I.
American Enameled Magnet Wire Co., Muskegon, Mich.
**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Ansonia Electrical Co. (Cotton & Silk Covered), Ansonia, Conn.
Automatic Electric Co., 1001 W. Van Buren, Chicago, Ill.
Belden Mfg. Co. ("Beldenamel," "Cotenamel," "Silkenamel"), 2316 S Western av, Chicago, Ill.
Bradford, Kyle & Co., Plymouth, Mass.
Chicago Insulated Wire & Mfg. Co., 53 W Jackson, Chicago, Ill.
Dudlo Mfg. Co., Fort Wayne, Ind.
D. & W. Fuse Co. ("Deltabeston"), Hathaway, Providence, R. I.
**GENERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
Goldmark James Co., 81 Warren, New York
Gottschalk John W. Mfg. Co., 2726 Mascher, Phil'a., Pa.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Independent Lamp & Wire Co. ("Salamander," Asbestos Insulated), 1733 B'way, New York
Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.
McEvoy C. H., Lowell, Mass.
Mass. Electric Mfg. Co., West Lynn, Mass.

WIRE (MAGNET)—continued

**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich.
*See adv index at end of book*
Moore Alfred F., 200 N 3d, Phila., Pa.
Moxomite Insulating Co., Watervliet, N. Y.
New England Electrical Works, Lisbon, N. H.
Reliable Machine Co., Bridgeport, Conn.
Riege Archer C. (Enameled), 44 E Allen, Phila., Pa.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Rome Elec'l Co., Rome, N. Y.
**ROME WIRE CO.** ("Rome Wire") **(Silk & Cotton Enamel Covered), Rome, N. Y.**
*See adv index at end of book*
Standard Underground Cable Co., Westinghouse bldg., Pittsburgh, Pa.
**STROMBERG - CARLSON TELEPHONE MFG. CO.** ("S-C"), Rochester, N. Y.
*See adv index at end of book*
Stuart-Howland Co., 234 Congress, Boston, Mass.
Western Electric Co., 463 West, New York

## 16951— Wire (Market)

**American Electrical Wks., Phillipsdale,** R. I.
American Steel Co., Park bldg., Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
Atlantic Steel Co. (Open-Hearth Steel), Atlanta, Ga.
Baker W. W. & Co. (Black & Galvanized), 940 N Front, Phila., Pa.
*See adv index at end of book*
Belfont Iron Works Co. (Annealed, Galvanized, etc), Ironton, O.
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
**Cambria Steel Co. (Annealed, Bright & Galvanized), Widener bldg, Phila., Pa**
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Frost-Superior Fence Co. (Galvanized), 1 131st, Cleveland, O.
Girard Model Works, Girard, Pa.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**Gulf States Steel Co. (Plain & Galvanized),** Birmingham, Ala.
Harris Frederick, 69 Sprague, Providence, R. I.
Hazard Mfg. Co., Wilkes-Barre, Pa.
Igoe Bros., Poinier, Newark, N. J.
**IGOE BROTHERS** (Galvanized), Canal & Lafayette, New York
*See adv index at end of book*
Indiana Steel & Wire Co. (Coppered & Bright), Muncie, Ind.
Iron Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**Keystone Steel & Wire Co. (Plain & Galvanized),** Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**Norton Iron Works (Annealed, Galvanized, etc),** Ashland, Ky.
Page Steel & Wire Co., Adrian, Mich.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Annealed, Bright & Galvanized), 5th av & Grant, Pittsburgh, Pa.
**Prentiss G. W. & Co. (Annealed),** Holyoke, Mass.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*
Teschen & Sons Rope Co., 920 N 1st, St Louis, Mo
Veithardt Steel & Metal Corp. (Galvanized & Annealed), 15 Park Row, New York
Van Brunt J. A. & Co., Inc., 114 John, New York
**Washburn Wire Co., Phillipsdale, R. I.**
Wickwire Bros. (Annealed, Bright & Galvanized), Cortland, N. Y.
Wickwire Spencer Steel Corp. (Finished, Bright, Annealed, Galvanized, etc), Worcester, Mass.
*See adv index at end of book*
Williamsport Wire Rope Co., Williamsport Pa.
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co. (Annealed & Bright Smooth Wire ("Youngstown"), Youngstown, O.

## 16952— Wire (Mattress)

**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
Chicago Steel & Wire Co., 10257 Torrence av., Chicago, Ill.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Igoe Brothers, Canal & Lafayette, New York *See adv index at end of book*
**LARKIN J. K. & CO.,** 34 Reade, New York
*See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Veithardt Steel & Metal Corp., 15 Park Row, New York
Wickwire Spencer Steel Corp. (Tinned), Worcester, Mass.
*See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.

## 16952a—Wire Mechanism (Bowden)

**GWILLIAM CO. THE,** 23 Flatbush av, Brooklyn, New York
*See adv index at end of book*

## 16952b— Wire (Molybdenum)

Commercial Research Co., 18 E 41st, New York
Fansteel Products Co., 215 N Michigan av, Chicago, Ill.
Pfanstiehl Co., No. Chicago, Ill.

## 16953— Wire (Monel Metal)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*


Alloy Metal Wire Co.
Manufacturers of
**Monel Metal Wire**
154 Nassau Street New York
**Branches: Boston, Pittsburg, Chicago**


Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
**Electrical Alloy Co. (Non-Corrosive),** Morristown, N. J.
Igoe Brothers, Canal & Lafayette, New York *See adv index at end of book*
**MICHIGAN WIRE CLOTH CO., 500** Howard, Detroit, Mich.
Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
*See adv index at end of book*
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Philadelphia, Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-73 Washington, N. Boston, Mass.
*See adv index at end of book*
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av, N S., Pittsburgh, Pa.
*See adv index at end of book*


**WILLIAMS & CO. INC.**
**PITTSBURGH, PA.**


## 16953a— *Wire (Music)

Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Purdy A. R. Co., Inc., 130 Christopher st, New York. *See adv index at end of book*

## 16954— Wire (Nail)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Belfont Iron Works Co., Ironton, O.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
Gulf States Steel Co., Birmingham, Ala.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
Larkin J. K. & Co. (Jobbers), 34 Reade, New York. *See adv index at end of book*
Pittsburgh Steel Co. ("Pittsburgh Perfect"), 5th av & Grant, Pittsburgh, Pa.
Veithardt Steel & Metal Corp., 15 Park Row, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.**
**Youngstown Sheet & Tube Co.** ("Youngstown"), Youngstown, O.

## Wire (Needle)

See Wire, Steel Needle

## 16955— Wire (Nickel)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*


Alloy Metal Wire Co.
Manufacturers of
**Pure Nickel Wire**
154 Nassau Street New York
**Branches: Boston, Pittsburg, Chicago**


Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill.
*See adv index at end of book*
**DRIVER-HARRIS CO.,** Harrison, N. J.
*See adv index at end of book*
**Electrical Alloy Co.** (Bare & Insulated) Morristown, N. J.
**MICHIGAN WIRE CLOTH CO.** 500 Howard, Detroit, Mich.
*See adv index at end of book*
**WILLIAMS & CO. (INC.),** 901-937 Pennsylvania av N S, Pittsburgh, Pa.
*See adv index at end of book*

## 16955a1—Wire (Nickel Chrominum

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*


Alloy Metal Wire Co.
Manufacturers of
**Nickel Chromium Wire**
154 Nassau Street New York
**Branches: Boston, Pittsburg, Chicago**


## 16955a—Wire (Nickel Silver)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*


Alloy Metal Wire Co.
Manufacturers of
**Nickel Silver Wire**
154 Nassau Street New York
**Branches: Boston, Pittsburg, Chicago**


**AMERICAN BRASS CO**, Waterbury, Conn
*For branch offices see Alphabetical Section*
Babbitt L. L., Clayville, N Y
Besly Chas. H. & Co. ("Helmet"), 12 H N Clinton, Chicago, Ill.

Bridgeport Brass Co., Bridgeport, Conn.
Chase Metal Works ("Chase"), Waterbury, Conn.
Chase Rolling Mill Co. ("Chase"), Waterbury, Conn.
Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
Harris Frederick T. (For Cloth), 96 Sprague, Providence, R. I.
**Hough W. S. Jr. Co., 61 Peck, Providence, R. I.**
Hungerford U. T. Brass & Copper Co., 80 Lafayette, New York
Merchant & Evans Co., Washington av & 21st, Phila., Pa.
*See adv index at end of book*
**Metal Products Co. Inc., 100 So. Jefferson, Chicago, Ill.**
*See adv index at end of book*
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich.
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
**Plume & Atwood Mfg. Co., Waterbury, Conn.**
Reeves Paul S. & Co., 1415 Catherine, Phila., Pa.
**Riverside Metal Co., Riverside, N. J.**
**SCOVILL MFG. CO.,** Waterbury, Conn.
*See adv index at end of book*
Seymour Mfg. Co., Seymour, Conn.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York, & 43 N 7th, Philadelphia, Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-73 Washington, North, Boston, Mass.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 16955b—Wire (Non-Corrosive)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
Electrical Alloy Co. ("Ideal"), Morristown, N. J.

## 16955c— Wire Parts

See also Wire Shapes (Special)

**AUTOMATIC WIRE GOODS MFG. CO.,** 13-15 Canal pl, New York
*See adv index at end of book*
**CUYAHOGA SPRING CO.,** 10253 Berea rd, Cleveland, O.

## 16956—Wire (Phosphor Bronze)

Babbitt L. L. (Fine Wires), Clayville, N. Y.
Bradford, Kyle & Co., Plymouth, Mass.
Bridgeport Brass Co. (Not for Springs but With High Tensile Strength), Bridgeport, Conn.
**DRIVER-HARRIS CO.** (Common Golden & Antique), Harrison, N. J.
*See adv index at end of book*
Harris Frederick T., 69 Sprague, Providence, R. I.
Hough, W. S. Jr. Co., 61 Peck, Providence, R. I.
**MERCHANT & EVANS CO.** (In Coils, etc), Washington av & 21st, Phila., Pa.
*See adv index at end of book*
**MICHIGAN WIRE CLOTH CO.,** 500 Howard, Detroit, Mich.
*See adv index at end of book*
Phosphor Bronze Smelting Co., 2200 Washington av, Phila., Pa.
Reeves Paul S. & Co., 1415 Catharine, Phila., Pa.
Riverside Metal Co., Riverside, N. J.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Seymour Mfg. Co., Seymour, Conn.
Standard Underground Cable Co., Westinghouse bldg., Pittsburgh, Pa.
Trumpbour-Whitehead Brass & Copper Co., 309-311 Canal, New York & 43 No. 7th, Phila, Pa.
*See adv index at end of book*
Whitehead Metal Products Co., 67-73 Washington, North Boston, Mass.
*See adv index at end of book*
Wickwire Spencer Steel Corp. ("Excelsior"), Worcester, Mass.
*See adv index at end of book*

## 16957—Wire (Piano or Music)

**AMERICAN STEEL & WIRE CO.** ("Perfected," "Crown" & "Star"), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Boker H. & Co. ("Gibraltar"), 101 Duane, New York
Goepel C. F. & Co., 137 E 13th, New York
Harris Frederick T., 69 Sprague, Providence, R. I.
**Larkin J. K. & Co., 34 Reade, New York**
*See adv index at end of book*
Malin & Co. (Cast Steel), 2514 Vestry av, Cleveland, O.
Montgomery & Co. ("Wm. Smith & Sons" Imported), 105 Fulton, New York
Newman C. Wire Co., 25 Church, New York
Prentiss G. W. & Co., Holyoke, Mass.
Purdy A. R. Co., Inc., 130 Christopher, New York *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*
Schaff Piano String Co., 2011 Clybourne av, Chicago, Ill.
Standard Steel & Wire Co., 549 West Washington blvd, Chicago, Ill.
*See adv index at end of book*
Standard Underground Cable Co., Westinghouse bldg., Pittsburgh, Pa.
Swedish Steel & Importing Co., Ltd., 130 Pearl, New York
*See adv index at end of book*
**Washburn Wire Co., Phillipsdale, R. I.**
Waterbury Company, 63 Park Row, New York
Webb Wire Works ("Purple Label"), New Brunswick, N. J.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 16958— Wire (Picture)

Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**ROEBLING'S JOHN A. SONS CO.,** Trenton, N. J. *See adv index at end of book*
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*
Tate E. H. Mop & Cordage Co., ("Best Quality"), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hamover, Boston, Mass
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 16959— Wire (Pin)

**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
Chicago Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 16960— Wire (Pinion)

American Brass Co., Waterbury, Conn.
*For branch offices see adv index at end of book*
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Rathbone A. B. & J., Palmer, Mass.
**ROEBLING'S JOHN A. SONS CO.,** Trenton, N. J. *See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Woburn Gear Works, Woburn, Mass.

## 16961—Wire (Plain & Galvanized)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Atlantic Steel Co. (Open Hearth Steel), Atlanta, Ga.
Belfont Iron Works Co., Ironton, O.
Colorado Fuel & Iron Co., Denver, Colo.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Cyclone Fence Co., Waukegan, Ill.
Frost Superior Fence Co., E 131st, Cleveland, O.
Great Lakes Steel Products Co., Inc., 431 S Dearborn, Chicago, Ill.
**Gulf States Steel Co., Birmingham, Ala.**
**Indiana Steel & Wire Co., Muncie, Ind.**
**Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.**
Kelly Nail & Iron Co., Ironton, O.
Keystone Steel & Wire Co., Peoria, Ill.
Kokomo Steel & Wire Co., Kokomo, Ind.
Pittsburgh Steel Co. ("Pittsburgh Perfect"), 5th av & Grant, Pittsburgh, Pa.
**ROEBLING'S JOHN A. SONS CO.,** Trenton, N. J. *See adv index at end of book*
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*
Veithardt Steel & Metal Corp., 15 Park Row, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## Wire (Platinum)

See Platinum Sheet & Wire

## 16962—Wire Poultry Netting

**AMERICAN STEEL & WIRE CO.** (Galvanized Before Weaving, All Meshes & Sizes), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**Anchor Post Iron Works, 167 B'way, N. Y.**
*See adv index at end of book*
**California Wire Cloth Co., 587 Mission, San Francisco, Cal.**
**Cambria Steel Co., Widener bldg., Phila., Pa.**
Darby Edw. & Sons Co., 412 N 18th, Phila., Pa.
Dwiggins Wire Fence Co., Anderson, Ind.
Estey Wire Works Co., 34 Cliff, New York
Eureka Fence Mfg. Co. ("Acme"), Richmond, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Howard & Morse, 45 Fulton, New York
Igoe Brothers, Canal & Lafayette, New York *See adv index at end of book*
Indiana Steel & Wire Co. ("U. S."), Muncie, Ind.
Keystone Steel & Wire Co. ("Blue Ribbon," "Square Deal"), Peoria, Ill.
Ludlow-Saylor Wire Co., Newstead av cor Wabash R. R., St. Louis, Mo.
New Jersey Wire Cloth Co., Trenton, N. J.
*See adv index at end of book*
Nimmo Fence & Wire Works Co., Dana av & C. L. & N. R. R. Evan, Cincinnati, O.
Smith F. P. Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
Wickwire Bros. ("W. W."), Cortland, N. Y.
Wickwire Spencer Steel Corp. ("Excelsior Brand," & "Clinton", Galvanized Before or After Weaving, "Excelsior Brand," "Poultry," "Rabbit"), Worcester, Mass.
*See adv index at end of book*

## 16963— Wire (Resistance)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*


**Alloy Metal Wire Co.**
**Manufacturers of**
**Resistance Wires**
154 Nassau Street New York
**Branches: Boston, Pittsburg, Chicago**


**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*
American Electrical Works, Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Belden Mfg. Co. (German Silver, Nickel Steel A. A.), 2316 S Western av, Chicago
**BLANCKE A. C. & CO.,** 116 S Michigan av, Chicago, Ill.
Bradford, Kyle & Co., Plymouth, Mass.
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.
**DRIVER-HARRIS CO.** ("Nichrome," "Nichrome II," "Climax," "Advance," "Kromore," "No. 193," Alloy, Nickel, "Therlo," "Kromore," "No. 193," Alloy, Nickel Silver), Harrison, N. J.
*See adv index at end of book*

ROEBLING WIRE ROPE

WELDING WIRE
FLAT WIRE
WIRE ROPE SLINGS
TELEPHONE WIRE
ELECTRICAL WIRES AND CABLES
WIRE ROPE FITTINGS
WIRE STRAND

JOHN A. ROEBLING'S SONS COMPANY, TRENTON, N. J.

WIRE (RESISTANCE)—continued

Electrical Alloy Co. ("Calido," "Rayo," "Comet" Bare & Insulated Nickel & Nickel-Chromium), Morristown, N. J.
Harris Frederick T., 69 Sprague, Providence, R. I.
Haskins Mfg. Co., 453 Lawton, Detroit, Mich.
Igoe Brothers (Resistance & Alloy), Canal & Lafayette, New York
*See adv index at end of book*
Midwest Brass & Copper Co., Inc., 480 Broome, New York
*See adv index at end of book*
Moore Alfred F., 200 N 3d, Phila., Pa.
Murray Wire Co., 487 & N J RR av, Newark, N. J.
New England Electrical Works, Lisbon, N. H.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
Satisfaction Guaranteed Corp. ("My-Crown"), 659 Fulton, Chicago, Ill.
Seymour Mfg. Co., Seymour, Conn.
Washburn Wire Co., Phillipsdale, Providence, R. I.

## 16964— Wire (Resistance, Nickel Silver)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
Electrical Alloy Co. (Bare & Insulated), Morristown, N. J.

## 16964a— Wire (Rheostat)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
DRIVER-HARRIS CO., Harrison, N. J.
*See adv index at end of book*
Electrical Alloy Co., Morristown, N. J.

## 16965— Wire (Ribbon)

Alloy Metal Wire Co., 154 Nassau, New York
AMERICAN STEEL & WIRE CO. (Flat, Twisted), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
ROEBLING'S JOHN A. SONS CO., Trenton, N. J. *See adv index at end of book*
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*

## 16966—Wire (Rivet, Staple, Screw, Etc.)

AMERICAN BRASS CO. (Brass), Waterbury, Conn.
*For branch offices see adv index at end of book*
AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Driscoll Wire Co., Shelton, Conn.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Kokomo Steel & Wire Co. (Rivet & Staple Only), Kokomo, Ind.
Prentiss G. W. & Co., Holyoke, Mass.

ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Scovill Mfg. Co. (Brass & Bronze), Waterbury, Conn.
*See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Youngstown Sheet & Tube Co., ("Youngstown"), Youngstown, O.

## 16966a—*Wire Rope (Cast Steel)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

## 16966b—*Wire Rope (Coarse Laid Standard)

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
ROEBLING'S JOHN A. SONS CO. ("Blue Center Steel"), (Reg. U. S. Pat. off), Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

## 16967—Wire Rope Coating & Lubricant

Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Climax Refining Co., Williamson bldg Cleveland, O.
Dixon Joseph Crucible Co., Jersey City N. J.
Fischer & Hayes Rope & Steel Co., 742-74 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Ironsides Co. ("Ironsides" Wire & Fibr Rope Shield), Columbus, O.
Jobbers' Mfg. Co. ("Blue Ribbon"), 327 S La Salle, Chicago, Ill.
Leschen A. & Sons Rope Co., 920 N 1st St. Louis, Mo.
Macomber & Whyte Rope Co. ("Ma Whyte"), Kenosha, Wis.
Nason R. N. & Co., 151 Potrero av, San Francisco, Cal.
National Refining Co., Rose bldg., Cleveland, O.
Ohio Filler & Shield Co. (Filler & Shield) 522 City av, Columbus, O.
Plomo Specialty Mfg. Co., Beltmont bldg Cleveland, O.
Reliance Oil & Grease Co. (Grease), Cleveland, O.
ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*

WIRE ROPE
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for every purpose

ATLAS IMPROVED
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for severe service

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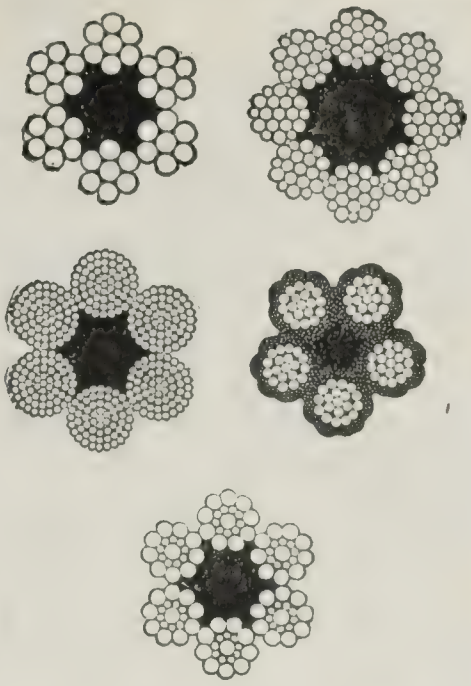

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ndard Oil Co. of New York ("Standard"), 555 W 25th, New York
r Lubricating Oil Co., 8714 Broadway, S. E., Cleveland, O.
ong Machinery & Supply Co. ("Cableine"), 21 Walker, New York
*See adv index at end of book*
an & Finch Co. ("Vesuvese"), 165 Broadway, New York
ited States Graphite Co. (Graphite), Saginaw, Mich.
re Rope Lubricating Co., 40 Clinton, Newark, N. J.

### ire Rope (Derrick & Dredging)

See Wire Rope & Cables

### 968—*Wire Rope (Extra Pliable)

cher & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**EBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

### 16968a—*Wire Rope (Extra Strong Cast Steel)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*

**ROEBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

Wilson Machinery Co., 301-331 W 35th, Chicago, Ill. *See adv index at end of book*

### 16968b—*Wire Rope (Flat)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*

**ROEBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

### 16969—Wire Rope (Galvanized)

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Hazard Mfg. Co., Wilkes-Barre, Pa.
Larkin J. K. & Co. (Jobbers), 34 Reade, New York. *See adv index at end of book*
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Macomber & Whyte Rope Co. ("Mac-Whyte"), Kenosha, Wis.
Monarch Electric & Wire Co. (Steel Strand Up to One-Half Inch), 622 W Adams, Chicago, Ill.
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
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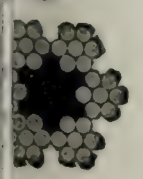

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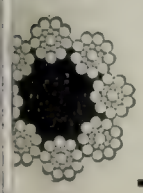

WIRE ROPE (GALVANIZED)—cont.

**Upson-Walton Co., 1294 W. 11th, Cleveland, O.**
Upson-Walton Co. of N. Y., The, 291 B'way, New York
Waterbury Co., 63 Park Row, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 16969a— Wire Rope (Guy)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*

## 16969b—Wire Rope (Haulage of Transmission)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*
Upson-Walton Co. of N. Y., The, 291 B'way, New York

## 16969c—Wire Rope (Hawsers, Galvanized Steel)

American Steel & Wire Co., 208 S La Salle, Chicago, Ill. *See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*
Upson-Walton Co. of N. Y., The, 291 B'way, New York

## 16969d—*Wire Rope (Hemp Clad)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*

## 16969e— Wire Rope (Hemp Core)

Driver Harris Co., Harrison, N. J.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*

## 16969f— *Wire Rope (Hoisting Standard)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*

## 16970—*Wire Rope (Lang Lay)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*

## 16970a— Wire Rope (Logging)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*
Upson-Walton Co. of N. Y., The ("Perfection"), 291 B'way, New York

## 16971—*Wire Rope (Mast Arm, Galvanized)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*

## 16972—Wire Rope (Mooring Lines)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*
Upson-Walton Co. of N. Y., The, 291 B'way, New York

## 16972a—Wire Rope (Oil Well Drilling Lines)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*
Upson-Walton Co. of N. Y., The ("Drednaut"), 291 B'way, New York

## 16973— Wire Rope (Phosphor Bronze)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Phosphor Bronze Smelting Co., 2200 Washington av, Philadelphia, Pa.
Reeves Paul S. & Co., 1415 Catharine Phila., Pa.
Riverside Metal Co., Riverside, N. J.
**ROEBLING'S JOHN A. SONS CO.**, Trenton, N. J. *See adv index at end of book*
**Upson-Walton Co., 1294 W 11th, Cleveland, Ohio**

## 16973a—Wire Rope (Rigging, Galvanized, Ships)

**American Steel & Wire Co. (& Slings), 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*

## 16973b*Wire Rope (Rigging, Galvanized Steel)

**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*

## 16973c—Wire Rope (Seale Lay)

Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*

## 16973d— Wire Rope Slings

Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
International Ship Fittings & Supply Corp., 212-214 Fulton st, Brooklyn, N. Y.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*

## 16973e— Wire Rope (Tiller)

Driver-Harris Co., Harrison, N. J.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
*See adv index at end of book*
**MOON GEO. C. CO.** ("Crescent"), Garwood, N. J. *See adv index at end of book*

**ROEBLING'S JOHN A. SONS CO. M Office: Trenton, N. J. Works: Tr ton & Roebling, N. J.**
*See adv index at end of book*
Upson-Walton Co. of N. Y., The ("Per tion," "Drednaut," Iron, Bright Galvanized), 291 B'way, New York

## 16974—Wire Rope Tramways

American Steel & Wire Co. (Trent Bleichert System), 208 S La Sa Chicago, Ill. *See adv index at end of bo*
Broderick & Bascom Rope Co., 805 Main, St. Louis, Mo.
Consolidated Tramway Co. ("Lawson Looped Section Cableway for Ore, C & Lumber, etc), Roanoke, Va.
Denver Engng. Works Co., Denver, C
Fischer & Hayes Rope & Steel Co., 742- W. Van Buren, Chicago, Ill.
*See adv index at end of book*
Horton John T., 157th & 8th av, New Y
Leschen A. & Sons Rope Co. (Overhea 920 N 1st, St. Louis, Mo.
Interstate Equipment Corp. ("Lawson 7 Pine, New York
**LIDGERWOOD MFG. CO.** (Hoisting Conveying Cableways), 96 Liber New York *See adv index at end of boo*
**LINK-BELT CO.**, 329 W 39th, cago, Ill., & Hunting Park av & P R. Ry, Phila., Pa.
*See adv index at end of book*
McFarlane Mfg. Co. ("Finlayson"), D ver, Col.
Macomber & Whyte Rope Co. ("M Whyte"), Kenosha, Wis.
Mead-Morrison Mfg. Co. (Suspension Railway), c Prescott & Orleans, E Boston, Mass.
Riblet Tramway Co., Sopkane, Wash.
**ROEBLING'S JOHN A. SONS CO., M Office: Trenton, N. J. Works: Tr ton & Roebling, N. J.**
*See adv index at end of book*
Ruggles Machine Co. ("Ruggles" Ae Carriers), Poultney, Vt.
United Telepherage Co., 101 Park av, N York
Upson-Walton Co. of N. Y., The ("Per tion"), 291 B'way, New York
Vulcan Iron Works, Francisco & Kea San Francisco, Cal.

## 16975—Wire Rope & Cables

**AMERICAN STEEL & WIRE CO., 20 La Salle, Chicago, Ill.**
*See adv index at end of book*
Black Steel & Wire Co., Kansas City,
Broderick & Bascom Rope Co., 825 Main, St. Louis, Mo.
Durable Wire Rope Co. (Durable), Pearl, Boston, Mass.
Chicago Steel & Wire Co., 10257 Torre av, Chicago, Ill.
Ferrin F. M., 3 Park, Boston, Mass.
Fischer & Hayes Rope & Steel Co., 74 W. Van Buren, Chicago, Ill.
*See adv. index at end of book*
Frick & Lindsay Co. (Dealers), Sandu & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Hazard Mfg. Co., Wilkes-Barre, Pa.
Kieckhefer A. Elevator Co. (Jobbers), waukee, Wis.
Larkin J. K. & Co., 34 Reade, New Y
*See adv index at end of book*
Leschen A. & Sons Rope Co. ("Hercule 920 N 1st, St. Louis, Mo.
Macomber & Whyte Rope Co. ("M Whyte"), Kenosha, Wis.
**MOON GEO. C. CO.** ("Crescent" I Steel, Hemp Core, Hemp Clad & vanized), Garwood, N. J.
*See adv index at end of book*
Oil Well Supply Co. (Jobbers), 215 We Pittsburgh, Pa.
Roe & Conover, 206 Frelinghuysen Newark, N. J. *See adv index at end of*
**ROEBLING'S JOHN A. SONS CO., M Office: Trenton, N. J. Works: T ton & Roebling, N. J.**
*See adv index at end of book*
Upson-Walton Co., 1294 W 11th, Cl land, O.
Upson-Walton Co. of N. Y., The ("Per tion," "Drednaut"), 291 B'way, York
Washburn Wire Co., Phillipsdale, R. I
Waterbury Co., 63 Park Row, New Yor
Wickwire Spencer Steel Corp., Worces Mass. *See adv index at end of book*

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H. Worden Co., 126 Pine, San Francisco, Cal.

### 976—Wire (Rubber Covered)

A. Wire Co. (Insulated "A. A."), 48 Nesbitt, Newark, N. J.
orn Insulated Wire Co., 77 Richards, Brooklyn, N. Y.
erican Electrical Works, Phillipsdale, R. I.
**ERICAN STEEL & WIRE CO.** ("Amerite" & "Americore"), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
oria Wire Co., Court, Long Island City, N. Y.
antic Insulated Wire & Cable Co. ("Beacon Atlantic," "Neptune Atlantic," "Triton Atlantic," "Dolphin Atlantic"), Stamford, Conn.
State Insulated Wire & Cable Co., Hyde Park, Mass.
den Mfg. Co. ("Beldenite"), 2316 S Western av, Chicago, Ill.
hop Gutta-Percha Co. (Solid & Flexible), 420 E 25th, New York
ton Insulated Wire & Cable Co., Boston, Mass.
rn Rubber Co., 58 Warren, Providence, R. I.
yer Insulated Wire Co. ("I. & L."), Pawtucket, R. I.
scent Insulated Wire & Cable Co., Trenton, N. J.
& W. Fuse Co., Providence, R. I.
oit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
er-Harris Co., Harrison, N. J.
*See adv index at end of book*
**ERAL ELECTRIC CO.**, Schenectady, N. Y. *See adv index at end of book*
drich B. F. Co., Akron, O.
rshaw Elec. Cable Co., 10 E 43d, New York
pendent Lamp & Rubber Co., 1733 B'way, New York
ana Rubber & Insulated Wire Co., ("Paranite" & "Peerless" Wires & Cables), P. O. Box 192, Jonesboro, Ind.
ana Steel & Wire Co., Muncie, Ind.
ite Insulated Wire & Cable Co. (Kerite), 30 Church, New York
ell Insulated Wire Co. (Solid, Stranded, Double Braid & Duplex), Lowell, Mass.
voy C. H., Lowell, Mass.
lon Insulated Wire & Rubber Mfrs. ("Eagle"), Marion, Ind.
re Alfred F. (Solid & Flexible), 200 N 3d, Phila., Pa.
onal India Rubber Co., Bristol, R. I.
England Cable Co., Concord, N. H.
New York Insulated Wire Co. ("Grimshaw" Black & "Raven" Core), 84 State, Boston, Mass.
Okonite Co., Passaic, N. J.
Phillips Wire Co. ("Parac"), Pawtucket, R. I.
Railroad Supply Co., 208 S Dearborn, Chicago, Ill.
**ROEBLING'S JOHN A. SONS CO.**, Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
**ROME WIRE CO.** ("Rome Wire"), Rome, N. Y. *See adv index at end of book*
Safety Insulated Wire & Cable Co., 114 Liberty, New York
Simplex Wire & Cable Co. ("Simcore" "B-C"), 201 Devonshire, Boston, Mass.
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.

### 16977— Wire (Rule)

**AMERICAN STEEL & WIRE CO.** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Newman C. Wire Co., 25 Church, New York
**Washburn Wire Co., Phillipsdale, R. I.**

### 16978—Wire (Scratch Brush)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
**AMERICAN STEEL & WIRE CO.** 208 S La Salle, Chicago, Ill.
Harris Frederick T., 69 Sprague, Providence, R. I.
Prentiss G. W. & Co., Holyoke, Mass.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16979— Wire (Screen)

**AMERICAN STEEL & WIRE CO.** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**CLEVELAND WIRE CLOTH & MFG. CO.**, 3574 E 78th, Cleveland, O.
*See adv index at end of book*
Electrical Alloy Co. (Non-Corrosive), Morristown, N. J.
Estey Wire Works Co., 34 Cliff, New York
Great Lakes Steel Products Co., Inc., 431 S. Dearborn, Chicago, Ill.
McCluskey H. & T. & Sons (Brass, Copper & Bronze), New Haven, Conn.
Meyers Fred. J. Mfg. Co., Hamilton, O.
*See adv index at end of book*
Newark Wire Cloth Co., 223 Verona av, Newark, N. J.
*See adv index at end of book*
**PHOENIX WIRE WORKS**, Kuby & Dequindre, Detroit, Mich.
*See adv index at end of book*
Riverside Metal Co. (Phospher Bronze), Riverside, N. J.
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16980—Wire Screening for Coal & Gravel Screens

Estey Wire Works Co., 34 Cliff, New York.
**PHOENIX WIRE WORKS**, Kirby & Dequindre, Detroit, Mich.
*See adv index at end of book*
**SMITH F. P. WIRE & IRON WORKS**, 2340-48 Clybourn av, Chicago, Ill.
*See adv index at end of book*

### 16981—Wire Shapes (Special)

American Steel Co., Park bldg, Pittsburgh, Pa.
**AMERICAN STEEL & WIRE CO.** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*

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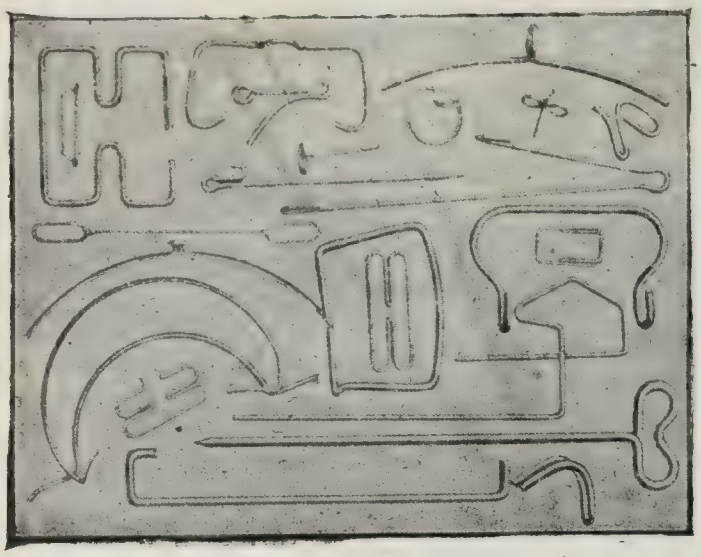

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WIRE SHAPES (SPECIAL)—continued

**AUTOMATIC WIRE GOODS MFG. CO.,** 13-15 Canal pl, New York
*See adv index at end of book*
Autoyre Co., Oakville, Conn.
Bridgeport Chain Co., Bridgeport, Conn.
Brooks M. S. & Sons, Chester, Conn.
Campbell Wire Specialty Works (Wire Shapes of All Kinds made to Sample or Blue Print), South Bend, Ind.
Cleveland Wire Spring Co., 1281 E 38th, Cleveland, O.
**CUYAHOGA SPRING CO.,** 10253 Berea rd, Cleveland, Ohio
*See adv index at end of book*
Eastern Tool & Mfg. Co., Bloomfield, N. J.
Gem Stamped Steel Co., Chelsea, Mass.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Jencks E. Mfg. Co., Worcester, Mass.
Jenkinson R. C. & Co., 293 Washington, Newark, N. J.
Paul & Fulton, Inc., 31 W. Kinzie, Chicago, Ill. *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
***See adv index at end of book***
Standard Steel & Wire Co., 549 West, Washington blvd, Chicago, Ill.
*See adv index at end of book*
Titchener Deihl Co., 1844 48th st, Austin av, Chicago, Ill.
*See adv index at end of book*

SPECIAL WIRE SHAPES
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TITCHENER-DIEHL CO.
1844-48 W. Austin Ave, Chicago, Ill.
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Titchener E. H. & Co., Binghamton, N. Y.
**Townsend Co., New Brighton, Pa.**
Warner Bros. Co., Bridgeport, Conn.
Waterbury Button Corporation, 831 So. Main, Waterbury, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16981a— Wire (Signal)

**Kerite Insulated Wire & Cable Co., Inc.,** 30 Church, New York
**PAGE STEEL & WIRE CO.,** Grand Central Terminal, New York

### 16981b—*Wire (Silicon Bronze)

**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J.; Works: Trenton & Robling, N. J.**
***See adv index at end of book***

### 16982—Wire (Spark Point)

Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
**DRIVER-HARRIS CO.,** Harrison, N. J.
*See adv index at end of book*
Electrical Alloy Co. (Nickel), Morristown, N. J.

Alloy Metal Wire Co.
Manufacturers of
Spark Plug Wire
154 Nassau Street New York
Branches: Boston, Pittsburg, Chicago

### Wire Specialties

See Wire Goods, Bright

### 16983— Wire (Spindle)

**ROEBLING'S JOHN A. SONS CO. Main Office: Trenton, N. J.; Works: Trenton & Roebling, N. J.**
***See adv index at end of book***

### 16984— Wire (Spoke)

**AMERICAN STEEL & WIRE CO.** (Automobile, Airplane & Bicycle Wheels), 208 S La Salle, Chicago, Ill.
***See adv index at end of book***
Prentiss G. W. & Co., Holyoke, Mass.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
***See adv index at end of book***
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16985— Wire (Spooled)

American Brass Co. (Brass, Copper & German Silver), Waterbury, Conn.
*For branch offices see adv index at end of book*
**AMERICAN STEEL & WIRE CO.** 208 S La Salle, Chicago, Ill.
***See adv index at end of book***
Eastwood Wire Mfg. Co. (Brasss & Copper), Belleville, N. J.
**GENERAL ELECTRIC CO.,** Schenectady, N. Y. *See adv index at end of book*
Great Lakes Steel Products Co., Inc., 431 Dearborn, Chicago, Ill.
Harris Frederick T., 69 Sprague, Providence, R. I.
**Hough W. S. Jr. Co., 61 Peck, Providence, R. I.**
Malin & Co., 2514 Vestry av, Cleveland, O.
Prentiss G. W. & Co., Holyoke, Mass.
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
**ROEBLING'S JOHN A. SONS CO.,** Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
***See adv index at end of book***
Rome Brass & Copper Co. (Brass & Copper), Rome, N. Y.
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*
Tate E. H. Mop & Cordage Co. ("Best Quality," Black Annealed Brass, Copper Tinned), 67 Sudbury, Boston, Mass.
Tate Mfg. Co., 48 Hanover, Boston, Mass.
Turner & Stanton Co., Norwich, Conn.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wire Goods Co., Worcester, Mass.

### 16986— Wire (Spring, Brass)

**AMERICAN BRASS CO.,** Waterbury, C
*For branch offices see adv index at end o*
Midwest Brass & Copper Co. Inc., Broome, New York
*See adv index at end of book*
Scovill Mfg. Co., Waterbury, Conn.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worc Mass. *See adv index at end of book*

### 16987— Wire (Square)

**AMERICAN STEEL & WIRE** 208 S La Salle, Chicago, Ill.
***See adv index at end of book***
Riverside Metal Co. (Phospher Bro Riverside, N. J.
**ROEBLING'S JOHN A. SONS CO.,** ton. N. J. *See adv index at end of*
Wickwire Spencer Steel Corp., Worc Mass. *See adv index at end of book*

### 16988—Wire (Stapling & Stitch

Acme Steel Goods Co. ("Acme"), Archer av, Chicago, Ill.
Seneca Wire & Mfg. Co., Fostoria, O
*See adv index at end of book*

### 16989— Wire (Steel)

**AMERICAN STEEL & WIRE** 208 S La Salle, Chicago, Ill.
***See adv index at end of book***
Athenia Steel Co., 135 William, New
**Atlantic Steel Co. (Open Hearth)** lanta, Ga.
Atlas Crucible Steel Co., Dunkirk, N.
**Cambria Steel Co., Widener bldg, Ph** phia, Pa.
**Carpenter Steel Co. (High Grade),** ing, Pa.
**Cary Spring Works, 240 W 29th, New**
**Cedarburg Wire & Wire Nail Co.,** burg, Wis.
**Colorado Fuel & Iron Co., Denver,**
**Crawfordsville Wire & Nail Co.,** fordsville, Ind.
**Crucible Steel Co. of America, Olive** Pittsburgh, Pa.
**Cyclone Fence Co., Waukegan, Ill.**
Driscoll Wire Co. (Bessemer or Shelton, Conn.
**Feldman J. Co., Jersey City, N. J.**
Fischer & Hayes Rope & Steel Co., W Van Buren, Chicago, Ill.
*See adv index at end of book*
**Globe Wire Co. (Ltd.) (Drawn** Sharpsburg, Pa.
Great Lakes Steel Products Co., In S Dearborn, Chicago, Ill.
Greaves Robt. K. & Co. (Tool), 1 Washington blvd, Chicago, Ill.
*See adv index at end of book*
**Gulf States Steel Co., Birmingham**
**HALCOMB STEEL CO.** (Fine Cruc High Grade), Syracuse, N. Y.
*See adv index at end of book*
**Hamilton's T. Sons, 1340 E Berks,** delphia, Pa.
Harris Frederick T., 69 Sprague, dence, R. I.
**IGOE BROS.** (Also Iron), Canal fayette, New York
*See adv index at end of book*
Indiana Steel & Wire Co., Muncie,

erstate Iron & Steel Co., 104 S Michigan av, Chicago, Ill.
Trade Products Co., Farmers Bank bldg, Pittsburgh, Pa.
**es & Laughlin Steel Co., Ross, Pittsburgh, Pa.**
'stone Steel & Wire Co. (Smooth), Peoria, Ill.
d Drawn Steel Co. (Coiled Crucible Polished), Aliquippa, Pa.
omo Steel & Wire Co., Kokomo, Ind.
kin J. K. & Co. (Jobbers), 34 Reade, New York. *See adv index at end of book*
lum Steel Co. (Chrome), Watervliet, N. Y.
chant & Evans Co., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book*
**HIGAN WIRE CLOTH CO., 500 Howard, Detroit, Mich.**
*See adv index at end of book*
'man C. Wire Co., 25 Church, New York
**on Iron Works, Ashland, Ky.**
Steel & Wire Co. (Cold Drawn), Grand Central Terminal, New York
burgh Steel Co. ("Pittsburgh Perfect" & Open Hearth), Pittsburgh, Pa.
**burgh Tool Steel Wire Co., Monaca, Pa.**
**ntiss G. W. & Co., Holyoke, Mass.**
ly A. R. Co. Inc., 130 Christopher, New York. *See adv index at end of book*
**EBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works, Trenton & Roebling, N. J.**
*See adv index at end of book*
son Jos. T. & Son, 910 Corn Exchange bldg, & 16th & Rockwell, Chicago, Ill.
*See adv index at end of book*
ca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*

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**Seneca Wire & Mfg. Co., Fostoria, Ohio**


**send Co., New Brighton, Pa.**
**burn Wire Co., Phillipsdale, R. I.**
**wire Bros., Cortland, N. Y.**
wire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**n Steel Products Co., 49th & S Western av, Chicago, Ill.**
gstown Sheet & Tube Co. ("Youngstown" Smooth Steel), Youngstown, O.

### )— Wire (Steel Ball)
**RICAN STEEL & WIRE CO., 08 S La Salle, Chicago, Ill.**
*ee adv index at end of book*
Crucible Steel Co., Dunkirk, N. Y.
oll Wire Co., Shelton, Conn.
**burn Wire Co., Phillipsdale, R. I.**

### —Wire (Steel, Band & Hack Saw)
**RICAN STEEL & WIRE CO., 08 S La Salle, Chicago, Ill.**
*ee adv index at end of book*
**nan C. Wire Co., 25 Church, New ork**
**burn Wire Co., Phillipsdale, R. I.**

### Wire (Steel Brush)
See Wire, Broom & Brush

### ?—Wire (Steel Needle)
**RICAN STEEL & WIRE CO.,** Commercial Nat'l Bank bldg, Chicago, Ill.
*ee adv index at end of book*
Crucible Steel Co., Dunkirk, N. Y.
**ole Steel Company of America (Cold rawn),** Oliver bldg, Pittsburgh, Pa.
es Robt. K. & Co., 1336 W Washingn blvd, Chicago, Ill.
Washington blvd, Chicago, Ill.
*e adv index at end of book*

**Halcomb Steel Co., Syracuse, N. Y.**
*See adv index at end of book*
**Pittsburgh Tool Steel Wire Co., Monaco, Pa.**
Webb Wire Works, New Brunswick, N. J.
**WETHERELL BROS. CO.,** 251 Albany, Cambridge, Mass.
*See adv index at end of book*
Wheelock, Lovejoy & Co. ("Globe" Crucible Cast Coil Steel, Sales Agents), 23 Cliff, New York
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

### 16993—Wire (Steel Spring)
**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
Athenia Steel Co., 135 William, New York
Cary Spring Works, 240 W 29th, New York
Cleveland Wire Spring Co. (Oil Tempered), 1281 E 38th, Cleveland, O.
**Crawfordsville Wire & Nail Co., Crawfordsville, Ind.**
**Gulf States Steel Co., Birmingham, Ala.**
Hammacher, Schlemmer & Co., 133 4th av, New York
Hartley Geo. (Cast Steel Watch & Clock Hair Spring Wire), Waterbury, Conn.
Iron Trade Products, Farmers Bank bldg, Pittsburgh, Pa.
Newman C. Wire Co., 25 Church, New York
Page Steel & Wire Co., Grand Central Terminal, New York
**Prentiss G. W. & Co., Holyoke, Mass.**
Purdy A. R. Co., The, 130 Christopher, New York. *See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO., Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*
**Washburn Wire Co.** (Clock & Motor, etc), Phillipsdale, R. I.
Waterbury Co., 63 Park row, New York
Webl Wire Works ("Blue Label"), New Brunswick, N. J.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Youngstown Sheet & Tube Co. ("Youngstown"), Youngstown, O.

### 16994—Wire (Steel, Telephone & Telegraph)
Alloy Metal Wire Co., 154 Nassau, New York *See adv index at end of book*
**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO., Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*

### 16994a— *Wire (Stitching)
American Steel & Wire Co., 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.

### 16995— Wire (Stone)
**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
**ROEBLING'S JOHN A. SONS CO.,** Trenton, N. J. *See adv index at end of book*
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv. index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.**

### 16996— Wire (Stove Pipe)
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*
Tate E. H. Mop & Cordage Co. ("Best Quality"), 67 Sudbury, Boston, Mass.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.**

### 16996a Wire (Straightened & Cut)
Indiana Steel & Wire Co., Muncie, Ind.

### 16997— Wire (Strand)
American Electrical Works (Copper & Galvanized Steel), Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO.** (Track Stand for Aerial Tramways), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Harris Frederick T., 69 Sprague, Providence, R. I.
Hazard Mfg. Co. (Galvanized Steel), Wilkes-Barre, Pa.
Indiana Steel & Wire Co. (Single & Double Galvanized Standard or Commercial Grade—Siemens & Martin, High Strength & Extra High Strength), Muncie, Ind.
Joslyn Mfg. & Supply Co., Chamber of Comm. bldg, Chicago, Ill.
Keystone Steel & Wire Co., Peoria, Ill.
Larkin J. K. & Co., 34 Reade, New York
*See adv index at end of book*
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Macomber & White Rope Co. ("Mac Whyte"), Kenosha, Wis.
Monarch Electric & Wire Co. (Galvanized Up to One-Half Inch), 622 W Adams, Chicago, Ill.
**MOON GEO. C. CO.** (Galvanized & Stone Sawing "Crescent"), Garwood, N. J.
*See adv index at end of book*
Riverside Metal Co. (Phosphor Bronze), Riverside, N. J.
**ROEBLING'S JOHN A. SONS CO. Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.**
*See adv index at end of book*
Upson-Walton Co., 1294 W 11th, Cleveland, O. *See adv index at end of book*
Wickwire Spencer Steel Corp. ("Excelsior" Brand), Worcester, Mass.
*See adv index at end of book*

### Wire (Submarine)
See Cables, Submarine

### 16998— Wire (Tack)
**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
Seneca Wire & Mfg. Co., Fostoria, Ohio
*See adv index at end of book*
Wickwire Spencer Steel Corporation, Buffalo, N. Y.
Youngstown Sheet & Tube Co., Youngstown, O.

### 16999— Wire (Tag)
**AMERICAN STEEL & WIRE CO., 208 S** La Salle, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
**ROEBLING'S JOHN A. SONS CO.,** Trenton, N. J. *See adv index at end of book*
Seneca Wire & Mfg. Co., Fostoria, O.
*See adv index at end of book*
Wickwire Spencer Steel Corp. (Cut or Bunched), Worcester Mass.
*See adv index at end of book*
Wilson Steel Products Co. (Deadlock), 49th & S Western av, Chicago, Ill.

### 17000—Wire (Telephone & Telegraph)
A. A. Wire Co., Newark, N. J.
Acorn Ins. Wire Co., 77 Richards, Brooklyn, N. Y.
**AMERICAN BRASS CO.,** Waterbury, Conn.
*For branch offices see adv index at end of book*

WIRE (TELEPHONE & TELEGRAPH)—continued
American Electrical Works, Phillipsdale, R. I.
Am. Ins. Wire & Cable Co., 954 W 21st, Chicago, Ill.
**AMERICAN STEEL & WIRE CO.** ("W. & M." Steel, Iron or Copper), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Atlantic Insulated Wire & Cable Co., Stamford, Conn.
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Belden Mfg. Co., 2316 S Western av, Chicago, Ill.
Collyer Insulated Wire Co. ("IXL"), Pawtucket, R. I.
Crawfordsville Wire & Nail Co., Crawfordsville, Ind.
Detroit Copper & Brass Rolling Mills (Copper), Clark av, nr Wabash R. R., Detroit, Mich.
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Gottschalk John W. Mfg. Co., 2726 Mascher, Phila., Pa.
**Gulf States Steel Co.** (Galvanized Iron & Steel), Birmingham, Ala.
**Indiana Rubber & Insulated Wire Co.** ("Paranite"), P. O. Box 192, Jonesboro, Ind.
**Indiana Steel & Wire Co.** (E. B. B.; B. B. & Steel Grades Double Galvanized Telephone), Muncie, Ind.
**Kellogg Switchboard & Supply Co., 1066 W Adams, Chicago, Ill.**
**Kerite Insulated Wire & Cable Co.** (Kerite), 30 Church, New York
**Keystone Steel & Wire Co.** ("Keystone"), Peoria, Ill.
Koelle, Frederick C., 44 E Allen, Phila., Pa.
Larkin J. K. & Co. (Steel), 34 Reade, New York *See adv index at end of book*
**Lowell Insulated Wire Co.** (Telephone), Lowell, Mass.
McEvoy C. H., Lowell, Mass.
Monarch Electric & Wire Co., 622 W Adams, Chicago, Ill.
Moore Alfred E., 200 N 3d, Phila., Pa.
National Conduit & Cable Co., 41 Park Row, New York
**New York Insulated Wire Co.** (Telephone), 84 State, Boston, Mass.
North American Copper Co. (Copper), 52 Vanderbilt av, New York
Page Steel & Wire Co. ("Armco," "Copperweld" Copper Clad Steel), Grand Central Terminal, New York
Phillips Wire Co., Pawtucket, R. I.
**ROEBLING'S JOHN A. SONS CO.**, Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
**ROME WIRE CO.** ("Rome Wire" Copper), Rome, N. Y.
*See adv index at end of book*
Runzel-Lenz Mfg. Co., 1751 N Western av, Chicago, Ill.
Simplex Wire & Cable Co. ("Simcore"), 201 Devonshire, Boston, Mass.
Standard Underground Cable Co., Westinghouse bldg., Pittsburgh, Pa.
Waclark Wire Co. (Copper Only), 20 Exchange pl, New York
Washburn Wire Co (Galvanized Iron & Steel), Phillipsdale, R. I.
Western Electric Co., 463 West, New York

## 17001— Wire (Tinned)

American Electrical Works (Copper), Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO.**, 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Great Lakes Steel Products Co. Inc., 431 S Dearborn, Chicago, Ill.
Harris Frederick T., 69 Sprague, Providence, R. I.
**IGOE BROTHERS**, Canal & Lafayette, New York *See adv index at end of book*
**LARKIN J. K. & CO.**, 34 Reade, New York
*See adv index at end of book*
Newman C. Wire Co., 25 Church, New York
Phillips Wire Co., Pawtucket, R. I.
Prentiss G. W. & Co., Holyoke, Mass.
**ROEBLING'S JOHN A. SONS CO.**, Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
Rome Wire Co. ("Rome Wire" Tinned Copper), Rome, N. Y.
*See adv index at end of book*
Seneca Wire & Mfg. Co. (Mattress & Broom), Fostoria, O.
*See adv index at end of book*
**Spargo Wire Co.** (Tinned Brass & Copper), Rome, N. Y.
Waclark Wire Co. (Copper Wire & Cable), 20 Exchange pl, New York
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Bros., Cortland, N. Y.
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
**Wilson Steel Products Co.**, 49th & S Western av, Chicago, Ill.

## 17001a— Wire (Tire)

American Steel Co., Park bldg, Pittsburgh, Pa.
American Steel & Wire Co. (Automobile), 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**ROEBLING'S JOHN A. SONS CO.** Main Office: Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*

## 17001b—Wire Tool Room Enclosures

Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
Koenig Edward L., 23 W Kinzie, Chicago, Ill. *See adv index at end of book*
Steelite Co., 1902 W 77th, Cleveland, O.

## 17001c— *Wire Tree Guards

Wickwire Spencer Steel Corp. ("Excelsior Rust Proof"), Worcester, Mass.
*See adv index at end of book*

## 17002— Wire Trellises

Brown H. S. Fence & Mfg. Co., Oakley, Cincinnati, Ohio
**Buffalo Wire Works Co.**, 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
**Estey Wire Works Co.**, 34 Cliff, New York
Howard & Morse, 45 Fulton, New York
**Page Steel & Wire Co., Adrian, Mich.**
Smith John P. & Co., New Haven, Conn.
Steelite Co., 1902 W 77th, Cleveland, O.
**TYLER W. S. CO.**, Cleveland, O.
*See adv index at end of book*
Wickwire Spencer Steel Corp. ("Excelsior Rust Proof"), Worcester, Mass.
*See adv index at end of book*

## 17003— Wire (Trolley)

**AMERICAN BRASS CO.**, Waterbury, Conn.
*For branch offices see adv index at end of book*
American Electrical Works, Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Bridgeport Brass Co. ("Phono-Electric"), Bridgeport, Conn.
Detroit Copper & Brass Rolling Mills Clark nr Wabash R. R., Detroit, Mich.
Midwest Brass & Copper Co. Inc., 480 Broome, New York
*See adv index at end of book*
National Conduit & Cable Co., 41 Park row, New York
Phillips Wire Co., Pawtucket, R. I.
**ROEBLING'S JOHN A. SONS CO.**, Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J.
*See adv index at end of book*
**ROME WIRE CO.** ("Rome Wire"), Rome, N. Y.
*See adv index at end of book*
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
Waclark Wire Co., 20 Exchange pl, New York

## 17004— Wire (Tungsten)

Fansteel Products Co., 215 N Michigan av, Chicago, Ill.
**Pfanstiehl Co.** N Chicago, Ill.

## 17005— Wire (Twisted)

**AMERICAN STEEL & WIRE CO., 208 S La Salle, Chicago, Ill.**
*See adv index at end of book*
Kokomo Steel & Wire Co., Kokomo, Ind.
Pittsburgh Steel Co. ("Pittsburgh Perfect" Galvanized Twisted Cable Fence Wire), 5th av & Grant, Pittsburgh, Pa.

**ROEBLING'S JOHN A. SONS CO.**, Tre
ton, N. J. *See adv index at end of boo*
Standard Underground Cable Co. (Copp
Only), Westinghouse bldg, Pittsbur
Pa.
Upson-Walton Co., 1294 W 11th, Cleveland
Ohio
Wickwire Spencer Steel Corp., Worcest
Mass. *See adv index at end of book*

## 17006— Wire (Umbrella)

**AMERICAN STEEL & WIRE CO.**, 20
La Salle, Chicago, Ill.
*See adv index at end of book*
Newman C. Wire Co., 25 Church, N
York
**ROEBLING'S JOHN A. SONS CO.**, Tr
ton, N. J.
*See adv index at end of book*
Washburn Wire Co., Phillipsdale, R. I.
Wickwire Spencer Steel Corp., Worces
Mass. *See adv index at end of book*

## 17007— Wire (Vanadium)

Halcomb Steel Co., Syracuse, N. Y.
*See adv index at end of book*
**Washburn Wire Co., Phillipsdale, R.**
Wickwire Spencer Steel Corp., Worces
Mass. *See adv index at end of book*

## 17008— Wire (Waterproof)

Midwest Brass & Copper Co. Inc., Broome, New York
*See adv index at end of book*
**WESTINGHOUSE ELECTRIC & M CO.**, East Pittsburgh,, Pa.
*See adv index at end of book*

## 17009— Wire (Weatherproof)

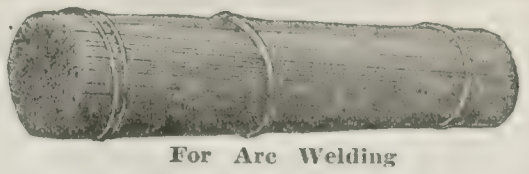
**AMERICAN BRASS CO.** ("K. K."), W
erbury, Conn.
*For branch offices see adv index at end of*
American Electrical Works ("Sta
Phillipsdale, R. I.
**AMERICAN STEEL & WIRE CO.** (Ir
208 S La Salle, Chicago, Ill.
*See adv index at end of book*
Ansonia Electrical Co. (Line Wire
Cables), Ansonia, Conn.
Bay State Insulated Wire & Cable
Hyde Park, Mass.
Belden Mfg. Co., 2316 S Western av,
cago, Ill.
Bridgeport Brass Co., Bridgeport, Co
Chicago Insulated Wire & Mfg. Co., S
more, Ill.
Collyer Insulated Wire Co. ("IXL";
Slow Burning), Pawtucket, R. I.
**GENERAL ELECTRIC CO.**, Schenec
N. Y. *See adv index at end of book*
Hazard Mfg. Co. (Insulated), Wi
Barre, Pa. & 50 Dey, New York
Kerite Insulated Wire & Cable Co.,
rite Special), 30 Church, New Yor
Midwest Brass & Copper Co. Inc.,
Broome, New York
*See adv index at end of book*
Monarch Electric & Wire Co. ("Mona
Copper & Iron), 622 W Adams,
cago, Ill.
Moore Alfred F. (Also Slow Burn
200 N 3d, Phila., Pa.
National Conduit & Cable Co. (Wi
Cables), 41 Park Row, New York
National India Rubber Co., Bristol, I
Okonite Co., Passaic, N. J.
**PEERLESS INSULATED WIRE CABLE CO.** ("Peerless Perfect tection" Fibreclad), 90 West, York
Phillips Wire Co. ("O K" & Slow I
ing), Pawtucket, R. I.
**ROEBLING'S JOHN A. SONS CO.**,
Office: Trenton, N. J. Works:
ton & Roebling, N. J.
*See adv index at end of book*
Rome Wire Co., Rome, N. Y.
*See adv index at end of book*
Simplex Wire & Cable Co. ("Simc
Boston, Mass.
Standard Underground Cable Co.,
inghouse bldg, Pittsburgh, Pa.
Waclark Wire Co. (Copper Wire &
les), 20 Exchange pl, New York

## 17010— Wire (Weaving)

(Firms who Mfr. Wire for Weavi
**AMERICAN BRASS CO.** (Brass &
drinier), Waterbury, Conn.
*For branch offices see adv index at end o*

TELEPHONE GLENMORE 7919

For Gas Welding



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**THE WELD-WIRE COMPANY, 395 Christopher Avenue, Brooklyn, N. Y.**

**AMERICAN STEEL & WIRE CO.,** 208 S La Salle, Chicago, Ill.
*See adv index at end of book*
**Gulf States Steel Co., Birmingham, Ala.**
**Kokomo Steel & Wire Co., Kokomo, Ind.**
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*
Standard Steel & Wire Co., 549 W Washington blvd, Chicago, Ill.
*See adv index at end of book*
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*
Wilson Steel Products Co., 49th & S Western av, Chicago, Ill.
Youngstown Sheet & Tube Co., Youngstown, O.

## 17011— Wire (Welding)

**ALLOY STEEL PRODUCTS CORP.,** 19 W 44th, New York
*See adv index at end of book*
**Bierman-Everett Foundry Co., Irvington, N. J.**
Blancke A. C. & Co., 116 S Michigan av, Chicago, Ill. *See adv index at end of book*
Boston Casting Co., 110 Broad, Boston, Mass.
Carbic Mfg. Co., Duluth, Minn.
Driscoll Wire Co., Shelton, Conn.
Electric Arc Cutting & Welding Co., 222 Halsey, Newark, N. J.
General Trading & Export Co., Inc., Whitney Central bldg., New Orleans, La. *See adv index at end of book*
Great Lakes Steel Products, Inc., 431 S Dearborn, Chicago, Ill.
**HOE BROTHERS,** Canal & Lafayette, New York *See adv index at end of book*
**KNAPP ARTHUR ENGINEERING CORP.,** 19 W 44th, New York
*See adv index at end of book*
Page Steel & Wire Co. ("Armco"), Grand Central Terminal, New York
Perkins Steel Co. ("Perco"), 143 Liberty, New York
Potts Horace T. & Co. (Swedish Charcoal), 316 N 3d, Phila., Pa.
**ROEBLING'S, JOHN A., SONS CO.** Main office: Trenton, N. J.; works: Trenton & Roebling, N. J.
*See adv index at end of book*
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*
Townsend Co., New Brighton, Pa.
**WELD WIRE CO.,** (Steel, Swedish & Coated), 395 Christopher av, Brooklyn, N. Y.
*See adv index at end of book*

## 17012-13 — Wire (White Metal)

Riverside Metal Co., Riverside, N. J.
**Seymour Mfg. Co. (Special White), Seymour, Conn.**

## Wire Winding Machinery

See Machinery, Wire Winding

## 17014—Wire Work for Banks, Offices, Etc.

American Safety Lamp & Mine Supply Co., Scranton, Pa.
Anchor Post Iron Works, 167 Broadway, New York
*See adv index at end of book*
Baldwin Brass Works, 407 S Clinton, Chicago, Ill.
Buffalo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv index at end of book*
**Cincinnati Mfg. Co., Cincinnati, O.**
Darby Edw. & Sons Co., 412 W 18th, Phila., Pa.
**ESTEY BROS. CO.,** 270 Union av, Bklyn, N. Y. *See adv index at end of book*
**Estey Wire Works Co., 34 Cliff, New York**
Fiske J. W. Iron Works, 111 Park pl, New York
New Jersey Wire Cloth Co., Trenton, N. J.
*See adv index at end of book*
**Perkins Mfg. Co. (Store, etc), University & Fairview avs, St. Paul, Minn.**
*See adv index at end of book*
Pitt Wm. R. Composite Iron Wks., 221 W 26th, New York
**Smith F. P. Wire & Iron Works, 2340-48** Clybourn av, Chicago, Ill.
*See adv index at end of book*
**Standard-Tyler Co., 2436-62 W 15th, Chicago, Ill.**
Steelite Co., 1902 W 77th, Cleveland, O.
**TYLER W. S. CO.,** Cleveland, O.
*See adv index at end of book*
**Wisconsin Iron & Wire Works (Woven), Milwaukee, Wis.**

## 17015— *Wire & Cable (Lead Covered)

**GENERAL ELECTRIC CO.** ("Red Core"), Schenectady, N. Y.
*See adv index at end of book*

## 17015a— *Wireless Amplifiers

Boissonnault G. Co., 26 Cortlandt, New York
Cutting & Washington Radio Corp., 6 & 8 W 48th, New York
*See adv index at end of book*

## 17016—Wires (Brick Cutting)

Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Webb Wire Works ("Red Label"), New Brunswick, N. J.
Willison J. M., East Liverpool, O.

## 17017— Wires (Corset)

American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
*See adv index at end of book*
**Bassett Robert N. Co., 220 5th av, New York**

## 17018— Wires (Drop)

Paragon Electric Co. ("Ironite" Insulated), 37 W Van Buren, Chicago, Ill.
Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.

## 17019— Wires (Millinery)

**Boston Bonnet Wire Co., 38 India, Boston, Mass.**
**Seneca Wire & Mfg. Co., Fostoria, O.**
*See adv index at end of book*

## 17020— Wires (Pointed)

**Reed & Prince Mfg. Co., Worcester, Mass.**

## 17021— Wires (Threaded)

Automatic Wire Goods Mfg. Co., 13-15 Canal New York
*See adv index at end of book*
**Blake & Johnston Co., 1500 Thomaston av, Waterbury, Conn.**
*See adv index at end of book*
Hartley Screw Products Co., Poinier, Newark, N. J.
**Ohio Nut & Bolt Co., Berea, O.**
**Progressive Mfg. Co., Torrington, Conn.**
**Reed & Prince Mfg. Co., Worcester, Mass.**
Wickwire Spencer Steel Corp., Worcester, Mass. *See adv index at end of book*

## 17021a— *Wiring Supplies

General Electric Co., Schenectady, N. Y.
*See adv index at end of book*

## 17022— Witherite Importers

**Foote Mineral Co., 107 N 19th, Phila., Pa.**

## 17023-4— Withes (Mast)

Wilcox, Crittenden & Co., Inc., Middletown, Conn. *See adv index at end of book*

## 17025— Wood (Bent)

**Ames Bending Co., Celina, O.**
**Carrier Lumber & Mfg. Co., Sardis, Miss.**
**Buckeye Handle, Gear & Bending Co., Alliance, O.**
**Dann Bros. & Co. (Vehicle Bent Work, etc), New Haven, Conn.**
Delphos Bending Co., Delphos, Ohio
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Gerdes & Co., 42 Church, New York
*See adv index at end of book*
Gillette C. H. (Wagon Bows, Shafts, Poles, etc), Indianapolis, Ind.
Kohler F. F., South Zanesville, O.
**Shepard H. G. & Sons, New Haven, Conn.**
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Von Behren Mfg. Co., Evansville, Ind.
Wayne Spoke & Bending Co., Ft. Wayne, Ind.

## 17026— Wood (Briar)

Vassas Freres (French, Imp), 28 Front, New York

## Wood Carpets

See Floors, Parquet

## Wood Columns

See Columns, Porch & Interior, Wood

## 17027—Wood Distillation Plants

**LUMMUS WALTER E. CO.,** 171 Milk, Boston, Mass.
Vulcan Copper Works, 120 Sycamore, Cincinnati, O.

## Wood Finishes

See Hard Oil Finish

## Wood Flooring-Interlocking

See Flooring, Wood Block

## Wood Floors (Mosaic)

See Floors, Parquet

## 17028— Wood Flour

Becker & Moore, No. Tonawanda, N. Y.
Campbell P. D. & Co., 401 E 36th, New York
Fuerst Bros. & Co., 2 Stone, New York
Hoornbeek's John C. Sons (For Explosives), Napanoch, N. Y.
Industrial Chemical Co., 200 5th av, New York
Innis, Speiden & Co. Inc., 46 Cliff, New York *See adv index at end of book*
Special Service Flooring Corp., 2030 Grand Central Terminal, New York
*See adv index at end of book*

## 17028a—Wood Impregnating Plants

**WORTHINGTON PUMP & MACHINERY CORP.**, 115 B'way, New York
*See adv index at end of book*

## 17028b— *Wood (Kindling)

Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
**Estes E. B. & Sons, 364 5th av, New York**
***See adv index at end of book***

## 17029—Wood (Lignumvitae)

**Boston & Lockport Block Co., 100 Condor, East Boston, Mass.**
**McMillan's W. H. Sons (Rough, Turned & Sawed), 153 South, New York**

## Wood Modelers (Architectural)

**See Carvers, Wood, Classic; also Modelers & Sculptors, Architectural**

## 17030—Wood Novelties (Turned, Etc.)

**See also Woodware & Novelties**

Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
**American Enamel Co., Providence, R. I.**
**American Stamping & Mfg. Co., Park bldg, Pittsburgh, Pa.**
**American Wood Working Co., 19 Warren New York.**
**Atwood Crawford Co., Pawtucket, R. I.**
Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
**Braman Mfg. Co., Carthage, N. Y.**
**Canfield Mfg. & Novelty Co., Canfield, O.**
Carrom Co., Ludington, Mich.
**Cullen & Vaughn Co., 450 Dayton, Hamilton, O.**
Elite Mfg. Co., Aldenville, Pa.
Elmwood Button Co., Bridgeport, Conn.
**ESTES E. B. & SONS, 364 5th av, New York** *See adv index at end of book*
**Frary Mfg. Co., Charlemont, Mass.**
**Gilbert A. & Sons (Newspaper Files, etc.), Derby, Conn.**
**Hellenberg J. B. Co. (Ten Pins, Mauls & Mallets, Indian Clubs, Dumb Bells, Exercising Horizontal Bars & Trapeze Bars, etc), Coldwater, Mich.**
**Hill Bros. & Co., Williamsburg, Mass.**
**Martin Leason, Richmond, N. H.**
**Mossman Jerome Estate, Fitchburg, Mass.**
**Novelty Turning Co. (& Enamels, Potato Mashers, Rolling Pins, Chopping Bowls, Toys,, Furniture, Druggists' Boxes, etc), Norway, Me.**
**Peirce W. E. & Co., Milford, N. H.**
Peterson F. W. Co., 18 Greene, New York *See adv index at end of book*
**Peters', Jno. M. Sons (Handles, Towel Racks, Rings, Curtain Fixtures, etc.), Bleecker, N. Y.**
**Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, O.**
**Richardi & Bechtold (Kitchen, Dairy, Bakery & Confectioners' Utensils), Bellaire, Mich.**
**Russell Bros. & Estes Co., Farmington, Me.**
**Schultz Bros. Inc., 152 Chambers, New York**
Slauf Mfg. Co., 703 S Clinton, Chicago, Ill.
**Sommer John Faucet Co. (Faucets, Mallets, Rolling Pins, Reels, Mashers, Air Vents, etc), 30 Morris av, Newark, N. J.**
**South Bend Dowel Works, South Bend, Ind.**
**Standard Turning Works, Cambridge, Mass.**
**Stiles H. A. & Co., 93-97 Oliver, Boston, Mass.** *See adv index at end of book*
**Stowell N. S. & Co. (Spools, Tool & Small Handles, Boxes, etc), Dixfield, Me.**
**Stratton Mfg. Co., Stratton, Me.**
**Strock L. W. & Co., Bethlehem, Pa.**
**Wausau Novelty Co., Wausau, Wis.**
**Western Box Co. (Druggists' Boxes, Lock Corner Boxes, etc), 326 River, Chicago, Ill.**
**Weston Paper & Mfg. Co. (Wood Pie Plates & Dishes), Dayton, O.**

## 17031—Wood Preservatives

See also Creosoting Works

American Creosoting Co., Bogalusa, La.
*See adv index at end of book*
**American Mfg. Co. ("Creoseptine"), 114 Plymouth av, N, Minneapolis, Minn.**
**American Wood Preserving Co. ("Antiseptine" for Structural Timber, etc), 1351 N Branch, Chicago, Ill.**
Antakwa Co. ("Liberty"), 133 W Washington, Chicago, Ill.
**Anthrol Wood Preserving Co. ("Barol" Coppered Carbolineum), 12 E 15th, New York**
**Barrett Co. (Creosote), 17 Battery pl, New York**
Bayway Chemical Co. (Creosote), Elizabeth, N. J.
Brown Co. (Kyanizing), Portland, Me.
**C-A-Wood Preserver Co. ("C-A-W"),** Fullerton bldg, St. Louis, Mo.
**Cabot Sam'l (Inc.) ("Conservo"), 141 Milk,** Boston, Mass.
Certain-teed Products Corp., St. Louis, Mo.
**Chipman Chemical Engineering Co., Inc. ("Atlas U. P. & D."), 95 Liberty, New York**
Conrad Wood Preserving Co., 118 Plymouth av, Minneapolis, Minn.
Dielectric Mfg. Co. ("Phenoleum"), 224 S Vandeventer av, St. Louis, Mo.
**Duryea Mfg. Co. ("Dureo"), Bayonne, N. J.**
**Eppinger & Russell Co., 165 B'way, New York**
General Bakelite Co., 2 Rector, New York
**Georgia Pine Turpentine Co. of N. Y., 153 Perry, New York**
Goheen Corp., 25 W 43d, New York
Hoyt C. H. & Son, Citizens bldg, Cleveland, Ohio
**Indian Refining Co. ("Indian" Timber Asphalt), 244 Madison av, New York**
**Indianapolis Chemical Co., 1444 Madison av, Indianapolis, Ind.**
**International Creosoting & Construction Co., Galveston, Tex.**
**Lincoln Gas & Electric Light Co. (Petrosote), Lincoln, Neb.**
**Menzel Wm. & Son "(Ligni Salvor" Imp.), 64 Broad, New York**
**Milwaukee Wood Preserving Co., Milwaukee, Wis.**
**Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.**
**NORTHEASTERN CO.** ("Letteney"), 80 Beverly, Boston, Mass.
**Protectus Paint Co., North American bldg, Phila., Pa.**
**PROTEXOL CORPORATION,** formerly Carbolineum Wood Preserving Co., "Carbolineum," "Neosote," "Protexol," "Avolineum"), 41 Barclay, New York
Reilly Co., Indianapolis, Ind.
**Reeves Co. ("Lone Star"), 805 Howard av, New Orleans, La.**
**REPUBLIC CREOSOTING CO.** (Creosote), Merchants Bank bldg, Indianapolis, Ind. *See adv index at end of book*
**St. Paul White Lead & Oil Co. ("Kre-O.-Sep-Tic"), Water & Starkey, St. Paul, Minn.**
**Sonneborn L. Sons ("Amalie," "Karbol"),** 262 Pearl, New York
S. P. F. Wood Preserving Co., Inc. ("S. P. F. Carbolineum"), 76 Wall, New York & 78 Beverly, Boston, Mass.
Spiritine Chemical Co., Wilmington, N. C.
**Suydam M. B. Co., 61st & Butler, Pittsburgh, Pa.**
**U. S. Wood Preserving Co., 165 B'way, New York**
Western Lumber & Pole Co., Spokane, Wash.
Woodtite Laboratories, Modesto, Cal.

## Wood Preserving

**See Creosoting Works**

## 17032— Wood Pulp Mfrs.

Atterbury & McKelvey, 145 Nassau, New York
**Bulkley, Dunton & Co. (Imp.), 75 Duane New York**
Coos Bay Lumber Co., Oakland, Cal.
**Union Bag & Paper Corp. (Ground), 2 Broadway, New York**

## 17032a—Wood Sawing Outfits

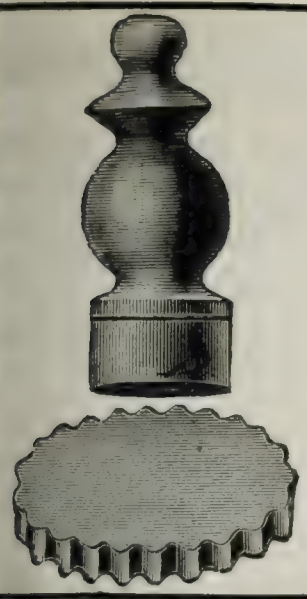
**IRELAND MACHINE & FOUNDRY CO** Norwich, N. Y.
*See adv index at end of book*
**WORTHINGTON PUMP & MACHINERY CORP.** (With Oil Engines), 115 Broadway, New York.
***See adv index at end of book***

## 17033—Wood (Spool, Bobbin, Etc

**Danforth Eugene, Bangor, Me.**
**Newton & Thomas Mfg. Co. (Spools), 5th av, New York**
**Stevenson Mfg. Co., South Bend, Ind.**
*See adv index at end of book*

## 17034-5— Wood Stains

Acme White Lead & Color Works, Aubin & M. C. R. R., Detroit, Mich.
**Adams & Elting Co. ("Ad-el-ite"), Washington blvd, Chicago, Ill.**
**Allentown Mfg. Co., Allentown, Pa.**
**American Wood Preserving Co. ("Antiseptine" for Interior or Exterior 1351 N Branch, Chicago, Ill.**
**Armstrong Paint & Varnish Works ("Vesene Finish"), 2502 S Paulina, Chicago, Ill.**
**Ashley T. C. & Co., Atlantic av, Boston Mass.**
**Behlen H. & Bro., 371 Pearl, New York**
Berry Bros.,, Detroit, Mich.
Billings-Chapin Co., 1163 E 40th, Cleveland, O.
**Boydell Bros. White Lead & Color C** 40 E. Lafayette, Detroit, Mich.
**Bridgeport Wood Finishing Works (** Pont) (Oil, Acid, Water & Penetring), Philadelphia, Pa.
**Burdsal A. Co., Indianapolis, Ind.**
**Cabot Samuel (Inc.), 141 Milk, Boston Mass.**
**Carpenter-Morton Co. ("Campbell"), Sudbury, Boston, Mass.**
**Chicago Varnish Co., 2100 Elston av, C** cago, Ill.
**Chicago White Lead & Oil Co. ("King's 1454 S Western av, Chicago, Ill.**
**Connors Wm. Paint Mfg. Co., Troy, N.**
**Crest Chemical Co., Seattle, Wash.**
**Day James B. & Co., 214 W Ohio, C** cago, Ill.
**Devoe & Raynolds Co. Inc. ("Devo** Powder Stains), 101 Fulton, New Yo
*See adv index at end of book*
**Dexter Bros. Co., 105 Broad, Boston, Ma**
du Pont (E. I.) de Nemours & Co., (Pa & Varnish Sales Div.), Wilmingt Del.
**Eagle Paint & Varnish Co. (Also Oil** Varnish Stains), 225 Galveston, Pit burgh, Pa.
**Felton, Sibley & Co., 136 N 4th, Phila.,**
**Ford Mfg. Co. (Creosote), 2339 La Sa Chicago, Ill.**
**Forest City Paint & Varnish Co., 3 Lakeside av, Cleveland, O.**
**Franche C. E. & Co., 440 Orleans, Chica** Ill.
**French Samuel H. & Co., 4th & Callowh Phila., Pa.**
Fuller W. P. & Co. ("Afro-Lac"), Mission, San Fransisco, Cal.
**Gerstendorfer Bros. ("Sapolin"), 221 42d, New York**
**Glidden Co. ("Glidden Endurance"),** Madison av & Berea rd, Cleveland,
Heath & Milligan Mfg. Co., 1833 Sewa Chicago, Ill.
Johnson S. C. & Son ("Johnson's" Wo Dye), Racine, Wis.
**King Paint Mfg. Co., 449 Kent av, Broc** lyn, N. Y.
**Kroeger Bros., 880 McKim, Baltimore,**
**Lawrence McFadden Co., 1400 Frankfo Phila., Pa.**
Lucas John & Co., 322 Race, Phila., Pa
McQuade John & Co., 134 Classon Brooklyn, N. Y.
Marietta Paint & Color Co. ("Spartan Marietta, O.
Masury John W. & Son ("Nomar"), Jay, Brooklyn, N. Y.



# WOOD TURNINGS

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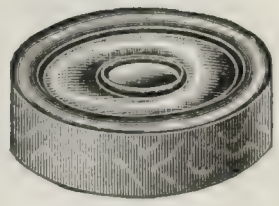

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ser Chas. Co. ("Lig-Lac"), Cincinnati, O
urphy Varnish Co. (Penetrating Oil), 224 McWhorter, Newark, N. J.
vin T. H. Co., Island & Preble, Pittsburgh, Pa.
e Eugene E., 272 S 2d, Phila., Pa.
Brien Varnish Co., South Bend, Ind.
tterson - Sargent Co. ("Monastery" Stains), 1325 E 38th, Cleveland, O.
tton Paint Co., Milwaukee, Wis.
att & Lambert, 185 Madison av, New York
otexol Corp., 41 Barclay, New York
e S. E. M. Filler Co. ("Red Letter" "Superior" Varnish), Irvington, N. J.
hmond Bros., 616 Main, Cincinnati, O.
Paul White Lead & Oil Co., Water & Starkey, St. Paul, Minn.
midt Walter K. Co., Grand Rapids, Mich.
erwin-Williams Co., Cleveland, O.
ndard Varnish Works ("Kleartone"), 90 West, New York
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terall Wm. & Co., Camden, N. J.
lheim A. Co., Reading, Pa.
olsey C. A. Paint & Color Co., 490 Grand, Jersey City, N. J.
rnall Paint Co. ("Y. B.," "Standard"), 1026 Race, Philadelphia, Pa.

## Wood Turned Goods, Etc.

See Wood Novelties, Turned, Etc.

## ood Turned House Trimmings

Columns, Porch, etc., Manufacturers; also Corner, Base & Head Block Manufacturers; also Grille, Fret & Lattice Work; also Mouldings, Various Kinds; also Ornaments, Wood; also Stair Builders' Supplies

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erican Wood Working Co., 4345 Wabansia av, Chicago, Ill.
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ne Co., Cincinnati, O.
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ir H. Crawford, 40 Clifford, Providence, R. I.
Boynton & Co., 1725 Dickson, Chicago, Ill.
Buffalo Grille Co., 270 Court, Buffalo, N. Y.
Central Wood Turning Co., 610 N E Main, Minneapolis, Minn.
Chicago Millwork Supply Co. (For the Trade Only), 1404 W 37th, Chicago, Ill.
Clark G. A. Co. (House Turnings, etc), Sidney, N. Y.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Dickey A. & Co., 37 Bristol, Boston, Mass.
Estes E. B. & Sons, 364 5th av, New York
*See adv index at end of book*
Gass John H., 601 Sackett, Brooklyn, N. Y.
Hillerich & Bradsley Co., Louisville, Ky.
Lovejoy Planing Mill Co., 823 E 17th, Kansas City, Mo.
Mitchell Robt. Furniture Co., 616 Race, Cincinnati, O.
New York Wood Working Corp., 502 E 19th, New York
Ohio Scroll & Lumber Co. (Inc.), Covington, Ky.
Peirce W. E. & Co., Milford, N. H.
Pinches Jno. & Sons, New Britain, Conn.
Root C. R., Hartford, Conn.
Sanders Bros. Mfg. Co., Ottawa, Ill.
Schaefer Louis, 1444 W 21st, Chicago, Ill.
**STEARNS A. T. LUMBER CO.,** 100 Taylor, Neponset, Boston, Mass.
*See adv index at end of book*
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*

## 17037—Wood Turning & Enameling

Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
American Enamel Co., Providence, R. I.
Baker McMillen Co., Akron, O.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Detroit Wood Products Co., 100 Horatio, Detroit, Mich.
Ellsworth Hardwood Co., Ellsworth, Me.
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Providence Enamel Co., 456 Fountain, Providence, R. I.
Schutz Bros., 152 Chambers, New York
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Sun Enamel Works (Also Japanning), Leominster, Mass.

## 17038—Wood Turnings (Automatic)

American Enamel Co. (Artistic & Novelty, Small Turned Woodwork), Providence, R. I.
Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Boynton & Co., 1725 Dickson, Chicago, Ill.
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*See adv index at end of book*
Frary Spool Co. (Small), Berlin, N. Y.
Frost Geo. T. & Sons, Paterson, N. J.
Fuller J. J., Westfield, Mass.
Kohant John C., 17 Green, Newark, N. J.
Nashua Spool & Bobbin Co. (Lignum Vitae, etc), Grove Hall Station, Boston, Mass.
Peirce W. E. & Co., Milford, N. H.
Peterson F. W. Co., 18 Greene, New York
*See adv index at end of book*
Prouty C. & Co., Eldred, Pa.
Rowe Henry Mfg. Co. (Handles, Draw Pulls, Balls, Spindles, etc), Newago, Mich.
Schutz Bros., 152 Chambers, New York
South Bend Dowel Works, South Bend, Ind.
Stevenson Mfg. Co., South Bend, Ind.
*See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton D. A. Co., Atlantic Mine, Mich.
Stratton Mfg. Co., Stratton, Me.
Tebbets E. L. Spool Co. (Variety Turnings), Locke Mills, Me.
Thayer Geo. A., Watson, Mass.
Weber Chas., 234 Ionic, Phila., Pa.

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See also Woodwork, Electrical

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Bogert & Hopper Inc., 57 Barclay, New York *See adv index at end of book*
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
**ESTES E. B. & SONS**, 364 5th av, New York *See adv index at end of book*
Fuller J. J., Westfield, Mass.
Gallup Ruffing Handle Co., Norwalk, O.
New York Carved Moulding Co., 3d av & 139th, New York
Novelty Turning Co. (Handles, Knobs, Button & Cord Adjusters, etc), Norway, Me.
Slauf Mfg. Co., 703 S Clinton, Chicago, Ill.
Stevenson Mfg. Co., South Bend, Ind. *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Thayer Geo. A., Watson, Mass.

## Wood Turnings (Rope & Spiral)

See Mouldings, Various Kinds

## 17040— Wood Wool

Berry O. P. Co., Wolfeboro Falls, N. H.
Boston Excelsior Co., 562 W 29th, New York
Detroit Excelsior Works, 2116 Russell, Detroit, Mich.
Du Pree Mfg. Co., Atlanta, Ga.
Laird & Wilson Mfg. Co., Grandon, Wis.
Morris-Jones-Brown Mfg.Co., Dubuque, Ia.
Oshkosh Excelsior Mfg. Co., Oshkosh, Wis.
Philadelphia Excelsior Co., 716 N 3d, Phila., Pa.
Selle H. W. & Co. (Wood Wool), 1000 Halsey, Chicago, Ill.

## 17041—Woodenware & Novelties Mfrs.

See also Wood Novelties, Turned, etc.

Adams S. S. Co. (Jokers, Novelties, Puzzles, etc.), Plainfield, N. J.
Albion Wood & Metal Products Co. Inc., Albion, N. Y.
Allen Mfg. Co. (Wood Turning & Enameling Div.), New Durham, N. H.
Anderson Box & Basket Co. (Boxes & Baskets), Henderson, Ky.
Ault Wooden Ware Co., Cincinnati, O.
Basic Mfg. Co., Wilmington, Del.
Belding-Hall Co. (Stove Boards, etc), Belding, Mich.
Bennett Mfg. Co. ("Kitchen" Ware, Sugar Boxes, etc), Portland, Me.
Bliss Mfg. Co. (Woodenware, Mop Sticks, etc), Bliss, N. Y.
Bogert & Hopper Inc. (Kitchen), 57 Barclay, New York *See adv index at end of book*
Cassady Fairbank Mfg. Co., 6126 So La Salle, Chicago, Ill.
Chapman-Sargent Co. (For Kitchen, Bakery, etc), Piqua, O.
Cullen & Vaughn Co., 450 Dayton, Hamilton, O.
Cummer Mfg. Co. (Woodenware, etc), Cadillac, Mich.
Cupples Samuel Woodenware Co., 7th & & Spruce, St. Louis, Mo.
Eagle Woodenware Mfg. Co., Hamilton, O.
**ESTES E. B. & SONS (Kitchen)**, 364 5th av, New York *See adv index at end of book*
Fuller J. J., Westfield, Mass.
Geneva Mfg. Co. (Specialties), Geneva, Ill.
Handy Things Mfg. Co., Ludington, Mich.
Jenkins & Bogert Mfg. Co. (Boxes, Handles, Spools, etc.), Kingfield, Me
King Mfg. Co., Piqua, O.
Law Ernest & Co (Wooden Tent Poles & Pins), Harrison bldg, Phila., Pa.
Martin Leason (Chair Stock, Pails, etc), Richmond, N. H.
Menasha Woodenware Co., Menasha, Wis.
Merrill Woodenware Co., Merrill, Wis.
Oval Wood Dish Co. (Dishes, etc.), Delta, O.
Richardi & Bechtold, Bellaire, Mich.
Richmond Cedar Works, Fulton, Richmond, Va.
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*
Stratton Mfg. Co., Stratton, Me.
Udell Works (House Furnishing & Kitchen Woodenware), Indianapolis, Ind.
Washington Broom & Woodenware Co., Seattle, Wash.

## 17041a— *Woods (Fancy)

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons (Harmonica, Parcel Carrier), 364 5th av, New York *See adv index at end of book*

## 17041b Woods (Pailbail)

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
Stiles H. A. & Co., 93-97 Oliver, Boston, Mass. *See adv index at end of book*

## Woodwork (Architectural & Interior)

See Interior Hardwood Work; also Sash, Door & Blind Mfrs.

## 17042—*Woodwork (Electrical)

See also Telephone Cabinet Work; also Wood Turnings Electrical; also Mouldings, Electric Wiring

Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*

## 17043— Wool Carbonizers

Merrimac Chemical Co., 148 State, Boston, Mass.
PROCTOR & SCHWARTZ INC., 7th & Tabor Road, Phila., Pa. *See adv index at end of book*

## 17044— Wool Wadding

Bacon Felt Co. ("Bacon"), Winchester, Mass.
Evans & Co. ("Hygiene"), Lockport, N. Y.

## 17045—Wools (Scoured & Pulled Grease)

Davis-Klaber Co., 605 N 3d, Newark, N. J.
Wilson & Co., 41st & Ashland av Chicago, Ill.

## 17046—Wrappers (Book, Corrugated Paper)

Thompson & Norris Co., 212 Concord & Prince, Brooklyn, N. Y.

## 17047— Wrappers (Coin)

Detroit Coin Wrapper Co. ("Detroit," Made of Heavy Pressed Paper), 15 W Milwaukee, Detroit, Mich.
Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Eisler Anthony & Co., 227 Canal, New York
Lindley Box & Paper Co., Marion, Ind.
Spies John, Watertown, N. Y.
Spurgin Mfg. Co., 7011 Vincennes av, Chicago, Ill.
Standard Printing Co., Pittsburgh, Pa.
Universal Printing Co., Erie, Pa.
Youmans Coin Wrapper Co., 428 M Cincinnati, Ohio

## 17048-9—Wrappers (Conduit Joi

Phila. Electrical & Mfg. Co. ("Phila. 1236 N 31st, Phila., Pa.

## 17050—Wrappers (Excelsior)

BOSTON EXCELSIOR CO., 26 Canal, B ton, Mass. & 11th av & 29th, New Y
Excelsior Wrapper Co., Sheboygan, Wis.

## Wrecking (Building)

See Building Materials, Second-Hand

## 17050a— *Wrench Sets

Packer Auto Specialty Co. (Socket), S Michigan av, Chicago, Ill.
Williams J. H. & Co. (Drop-Forged), Richards, Brooklyn, N. Y. *See adv index at end of book*

## 17051—Wrenches (Adjustable)

Anderson Wrench Co. ("Turnmor Portland, Conn.
Barcalo Mfg. Co., Buffalo, N. Y.
Bayer Steam Soot Blower Co., St. Lo Mo.
Bemis & Call Hardware & Tool Co. Nut & S. Pipe) Springfield, Mass.
Bergman Tool Mfg. Co. ("Queen Cit Buffalo, N. Y.
Billings & Spencer Co. ("Billings"), H ford, Conn.
Boston Auto Wrench Co. ("Boston Au Automatic Self-Adjusting), 31 St Boston, Mass.
Bullock Mfg. Associates ("Bullock Springfield, Mass.
Chicago Tool & Kit Mfg. Co. (& Solid) N Market, Chicago, Ill.
Corry Wrench Co., Corry, Pa.
Craftsman Tool Co. ("Craft" Self Adj ing), Conneaut, O.
Crescent Tool Co. ("Crescent" D Forged), 200 Harrison, Jamesto N. Y.
Cushman Auto Tool Co., Champaign,
Erie Tool Works, Erie, Pa.
Fairmount Tool & Forging Co. ("F mount"), 10611 Quincy av, Cleve O.
Goodell-Pratt Co. (Aluminum Handl Greenfield, Mass.
Grammes L. F. Inc., Allentown, Pa. *See adv index at end of book*
Greene, Tweed Co. ("Baxter"), 109 Du New York
Herbrand Co., Fremont, O.
Hjorth Wm. & Co., Jamestown, N. Y.
Imperial Tool Co., Bloomington, Ill.
Keystone Mfg. Co. ("Westcott S." "Keystone" Straight Handle), B falo, N. Y.
KILBORN & BISHOP CO. (" K. & Drop-Forged), 194 Chapel, Haven,Conn. *See adv index at end of b*
Lakeside Forge Co. (Straight End, D Forged & Automobile "Lakesid Erie, Pa. *See adv index at end of book*
Monte Wrench Co., Shelbyville, Ind.
Moore Drop Forging Co., Springfield, M
Mossberg Frank Co. ("Sterling," "I mond," "Alderman," "Nation "A," "F," "K," "X," "Mossberg & "Mossberg 76," "Junior"), At boro, Mass.
Oliver Mfg. Co., 326 S Desplaines, Chic Ill.
Rex Wrench Co., Hathaway bldg, Bos Mass.
Richards-Wilcox Mfg. Co. ("Richar "Shark" & Elgin"), Aurora, Ill.
Robinson M. W. Co. ("Carll"), 296 Bw New York
Scholler Mfg. Co., 147 Leslie, Buff N. Y.

lth H. D. & Co. ("S" Drop Forged) Plantsville, Conn.
r Mfg. Co. ("Elgin"), Carpentersville, Ill.
erior Tool Co. ("Du Charme"), Cambridge, O.
nont Mfg. Co. ("Trimo"), 55 Amory, Roxbury, Boston, Mass.
hek Tool Co. ("Vlchek"), 8701 Mt. Auburn av, Cleveland, O.
kefield Clarence E. ("Wakefield") ("Wizard"), Worcester, Mass.
lworth Mfg. Co. ("Hex"), 798 1st, Boston, Mass.
ch T. F. Co. (Adjustable Tap), 55 Sudbury, Boston, Mass.

## Wrenches (Adjustable "S")

See Wrenches, "S"

## 52—Wrenches (Agricultural)

er Steam Soot Blower Co., St. Louis, Mo.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Corry Wrench Co., Corry, Pa.
Girard Wrench Mfg. Co. ("Girard" Forged), Girard, Pa.
Lakeside Forge Co. ("Lakeside"), Erie, Pa. *See adv index at end of book*
Lamson & Sessions Co. ("Buckeye"), 2088 Scranton rd, Cleveland, O.
Muncie Malleable Castings Co., Muncie, Ind.
**PECK, STOW & WILCOX CO.**, 2172-2232 W 3d, Cleveland, O. *See adv index at end of book*
Union Hardware Co., Torrington, Conn.
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 17053—Wrenches (Alligator)

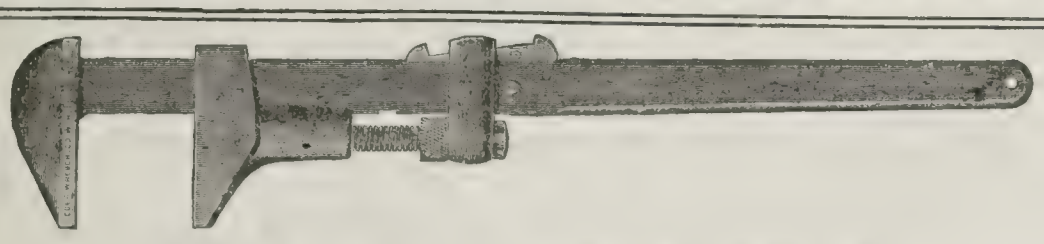
See Also Wrenches, Always Ready

Atwater Mfg. Co. (Drop Forged), Southington, Conn.
**BONNEY VISE & TOOL WORKS**, Allentown, Pa. *See adv index at end of book*
Forsyth Metal Goods Co., E. Aurora, N. Y.
Frick & Lindsay Co. (Genuine, Dealers), Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
Harris & Reed ("Sawvian"), 1500 W 15th, Chicago, Ill.
Hawkeye Wrench Co. (Combination), Marshalltown, Ia.
Kraeuter & Co. ("Victor"), 571 18th av, Newark, N. J.
**ROEBLING'S JOHN A. SONS CO.**, Main Office, Trenton, N. J. Works: Trenton & Roebling, N. J. *See adv index at end of book*
S. & I. Co. (Universal), Springfield, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B." Handy Pattern), 2114 Carroll av, Chicago, Ill.

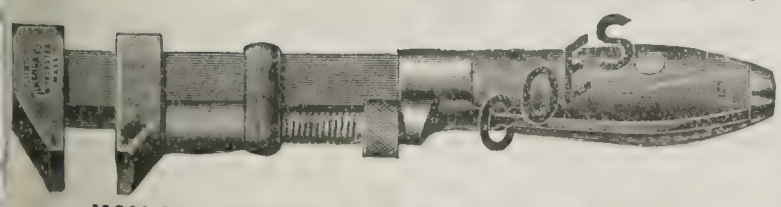
## 17053a— Wrenches (All Kinds)

Lakeside Forge Co., Erie, Pa. *See adv index at end of book*
Mechanics Tool Co., Rockford, Ill.
**ROE & CONOVER**, 206 Frelinghuysen av, Newark, N. J. *See adv index at end of book*


COES WRENCHES



KEY MODEL, 28, 36, 48 and 72 inches long

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Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

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**Bayer Steam Soot Blower Co., St. Louis, Mo.**
**Bonney Vise & Tool Works, Allentown, Pa.**
*See adv index at end of book*
**Forsyth Metal Goods Co., E. Aurora, N. Y.**
Grammes L. F. & Sons, 344 Union, Allentown, Pa.
*See adv index at end of book*
**Harris & Reed ("Sawvian"), 1500 W 15th, Chicago, Ill.**
**Hawkeye Wrench Co. ("Superior"), Marshalltown, Ia.**
**Lakeside Forge Co., Erie, Pa.**
*See adv index at end of book*
**Vaughan & Bushnell Mfg. Co., 2114 Carroll av,, Chicago, Ill.**
Vlchek Tool Co. ("Vlchek"), 8701 Mt. Auburn av, Cleveland, O.

## 17055—Wrenches (Automobile)

Allen Mfg. Co., ("Allen" Rim or Tire), 133 Sheldon, Hartford, Conn.
*See adv index at end of book*
**Allen** Wrench & Tool Co., 189 Public, Providence, R. I.
**Armstrong Bros. Tool Co. ("A." Drop Forged), 339 N Francisco av, Chicago, Ill.**
**Barcalo Mfg. Co., Buffalo, N. Y.**
**Bayer Steam Soot Blower Co., St. Louis, Mo.**
Beckley-Ralston Co., 1801 S Michigan av, Chicago, Ill.
**Bemis & Call Hardware & Tool Co. ("Auto"), Springfield, Mass.**
**Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.**
**Bonney Vise & Tool Wks., Inc., Allentown, Pa.** *See adv index at end of book*
**BOSSERT CORP., THE** (To Order), cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
**Boston Auto Wrench Co. ("Boston-Auto"), 31 State, Boston, Mass.**
**Cincinnati Tool Co. (Combination), Norwood, Cincinnati, O.**
*See adv index at end of book*
**COES WRENCH CO. ("Star 91"), Coes sq, Worcester, Mass.**
*See adv index at end of book*
**Crescent Tool Co., 200 Harrison, Jamestown, N. Y.**
Cushman Auto Tool Co., Champaign, Ill.
**Erie Tool Works, Erie, Pa.**
**Essex Supply Co., 54 Polk, Newark, N. J.**
**Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.**
**Globe Machine & Stamping Co., 1250 W 76th, Cleveland, O.**
Goodell-Pratt Co. (Rim "Special Tempered" & Socket, etc.), Greenfield, Mass.
**Harris & Reed (Stamped Steel), 1500 W 15th, Chicago, Ill.**
**Hill Pump Valve Co. ("Utility" Rim), 4001-21 Belmont av, Chicago, Ill.**
**Hill-Smith Metal Goods Co ("H S,'), 82 Brookline av, Boston, Mass.**
**Improved Gauge Mfg. Co. ("Ford"), 105 Canal av, Syracuse, N. Y.**
Lakeside Forge Co. ("Lakeside"), Erie, Pa. *See adv index at end of book*
Moore Drop Forging Co., Springfield, Mass.
Mossberg Frank Co. ("Auto Cle" Adjustable Socket Heavy Type & End Opening Engineers, Ratchet Socket), Attleboro, Mass.
Muncie Malleable Castings Co., Muncie, Ind.
New England Pressed Steel Co., Natick, Mass.
**Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.**
**Oakes Co., The, Indianapolis, Ind.**
Oswego Tool Co., Oswego, N. Y.
wego, N. Y.
Pedersen Mfg. Co. ("Ferret"), 636 1st av, New York
Plomb Tool Mfg. Co. (Oken End), 1119 Santa Fe, Los Angeles, Cal.
Retler-Elliott Erection Co., 155 N Clark, Chicago, Ill.
**Ronson Specialty Co. ("Ronson," Nine in One), 7 Mulberry, Newark, N. J.**
**STARRETT L. S. CO. (THE),** Athol, Mass. *See adv index at end of book*
**Thomson Drop Forge Co., Plantsville,** Conn.
Trimont Mfg. Co. ("Trimo"), 55 Amory, Roxbury, Boston, Mass.
**Vlchek Tool Co. ("Vlchek" Also in Sets),** 8701 Mt. Auburn av, Cleveland, O.
Wakefield Clarence E. ("Wakefield"), Worcester, Mass.
**WALDEN-WORCESTER, INC.** ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass.
*See adv index at end of book*
Williams J. H. & Co. (In Sets, Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 17056— Wrenches (Basin)

B. & B. Mfg. Co., 6528 Carnegie av, Cleveland, O.
**Glauber M. & Co., 103 Varick, New York**
**Sayre L. A. Co., 332 Mulberry, Newark,** N. J.
Starbuck R. M. & Sons, Hartford, Conn.
Trimont Mfg. Co. ("Trimo"), 55 Amory, Roxbury, Boston, Mass.
Williams J. H. & Co. ("Falcon" Waste Plug Spanner), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
**Woodward-Wanger Co., 1106 Spring Garden, Phila., Pa.**

## 17057 — Wrenches (Bicycle & Pocket)

Barcalo Mfg. Co., Buffalo, N. Y.
Beckley-Ralston Co., 1801 S Michigan, Chicago, Ill.
**Billings & Spencer Co. ("Billings"), Hartford, Conn.**
Bonney Vise & Tool Works, Inc. ("Monkey"), Allentown, Pa.
*See adv index at end of book*
Girard Wrench Mfg. Co. ("Girard" Forged), Girard, Pa.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Herbrand Co., Fremont, O.**
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
**Lowentraut P. Mfg. Co., 36 Brenner Newark, N. J.**
**Mossberg Frank Co. ("Sterling No. "Mossberg 74" & Junior 1"), At** boro, Mass.
Niagara Falls Metal Stamping W ("Niagara Vestpokitrenchiz"), N ara Falls, N. Y.
Star Mfg. Co., Carpentersville, Ill.
Vlchek Tool Co. ("Vlchek"), 8701 Auburn av, Cleveland, O.
Wakefield Clarence E. ("Wakefield" justable), Worcester, Mass.
Winchester Repeating Arms Co. ("W chester"), New Haven, Conn.

## Wrenches (Bit Brace)

**See Wrenches, Brace Socket**

## 17058— Wrenches (Box)

Allen Wrench & Tool Co. ("Allen Type"), 189 Public, Providence, R.
Armstrong Bros. Tool Co. ("A" Forged), 339 N Fransisco av, Chi Ill.
Bonney Vise & Tool Wks., Inc., Allent Pa. *See adv index at end of book*
**Williams J. H. & Co. (Hexagon & Sq** Drop-Forged), 31 Richards, Broo N. Y. *See adv index at end of book*
Winchester Repeating Arms Co. ("W chester"), New Haven, Conn.

## 17059—Wrenches (Brace Socket

**Braunsdorf-Mueller Co., Elizabeth, N**
**Cincinnati Tool Co., Norwood, Cincin Ohio.** *See adv index at end of book*
**WALDEN-WORCESTER, INC.** ("Wa Worcester"), 475 Shrewsbury, Wo ter, Mass.
*See adv index at end of book*

## 17060—Wrenches (Brass & Ni Pipe)

**See also Wrenches, Pipe**

Belden Machine Co. ("Hayden"), **Haven, Conn.**
Bernz Otto, 17-37 Ashland, Newark,
**Haydenville Co. ("Hayden"), Hayden Mass.**
Parmelee Wrench Co., 2515 W Mo **Chicago, Ill.**
**Reed Mfg. Co., Erie, Pa.**
Starbuck R. M. & Sons, Hartford, Con
Walworth Mfg. Co. ("Walworth-Pa ler"), Boston, Mass.
**Warnock Mfg. Co. ("Warnock," "W nock Simplex"), 54 Commercial, cester, Mass.**
Wolverine Brass Works, Grand Ra **Mich.**

## 17061—Wrenches (Bridge Build

**Cleveland Punch & Shear Works Co., St. Clair av, N E, Cleveland, Oh**
Fischer & Hayes Rope & Steel Co., 74 W Van Buren, Chicago, Ill.
*See adv index at end of book*
**LOWELL WRENCH CO.** ("Bridge B ers" & "Steel Socket" "Reve Ratchet"), 54 Commercial, Worc Mass. *See adv index at end of book*
**Mossberg Frank Co. ("Heavy Duty" 19 & 20), Attleboro, Mass.**
Stanley Rule & Level Co. (Atha Divis New Britain, Conn.

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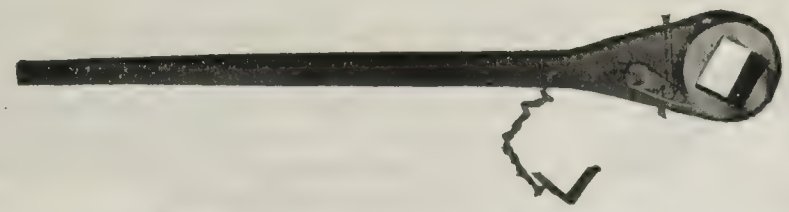

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### 061a—Wrenches (Cap Screw)

keside Forge Co., Erie, Pa.
*See adv index at end of book*
illiams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### 062—Wrenches (Car Builders')

ivance Car Mover Co., Appleton, Wis.
mstrong Bros. Tool Co. ("A." Drop Forged), 339 N Francisco av, Chicago, Ill.
nney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
yton Car Wrench Co., 15 S Brown, Dayton, O.
ICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
keside Forge Co. ("Lakeside"), Erie, Pa. *See adv index at end of book*
illiams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
nchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

### 063—Wrenches (Car Hopper)

ICK & LINDSAY CO. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
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ammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
aly G. M. ("I X L"), Grove City, Pa.
ety Hopper Car Wrench Co. ("Safety"), Harrison bldg., Phila., Pa.

### 064—Wrenches (Carriage & Tire Bolt)

ney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
ffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
ter W. F. & Son ("Handy" Tire Bolter), Summitville, Ind.
nley Rule & Level Co. ("O. K." Tire Bolt), New Britain, Conn.
LDEN-WORCESTER, INC. ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass.
*See adv index at end of book*
liams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### 065— Wrenches (Carriage & Wagon)

ver Steam Soot Blower Co., St. Louis, Mo.
ney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
ton Car Wrench Co., 15 S Brown, Dayton, O.

Harvey Spring & Forging Co., Racine, Wis.
Joy Samuel S., Rockingham, N. H.
Mason F. C. & Co., St. Johns, Mich.
Millers Falls Co. (Malleable Iron, Adjustable), 28 Warren, New York
Oliver Mfg. Co., 326 S Desplaines, Chicago, Ill.
Stowell Co., The, South Milwaukee, Wis.
Union Malleable Iron Co., East Moline, Ill.

### 17066— Wrenches (Chain)

Drop Forging Co. of New York ("Spartan"), 301 West Side av, Jersey City, N. J.
Forged Products Co. ("Gibraltar"), Conway bldg, Chicago, Ill.
Greene, Tweed & Co. ("Champion"), 109 Duane, New York
Hilts Wrench & Mfg. Co. (Adjustable Pipe), Richford, N. Y.
Kroeschell Bros. Co. ("Ideal"), 440 W Erie, Chicago, Ill.
Nason Mfg. Co., 71 Fulton, New York
Oswego Tool Co., Oswego, N. Y.
Robbins, Gamwell & Co. ("Robbins"), Pittsfield, Mass.
Trimont Mfg. Co. ("Trimo"), 55 Amory, Roxbury, Boston, Mass.
Walworth Mfg. Co. ("Gealy," Chain Tong Pipe), Boston, Mass.
Williams J. H. & Co. ("Vulcan," "Agrippa," Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### 17066a— *Wrenches (Check Nut)

Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### 17067— Wrenches (Chuck)

Billings & Spencer Co. ("B & S" Drop Forged), Hartford, Conn.
Lakeside Forge Co. ("Lakeside" Drop Forged), Erie, Pa.
Morse Twist Drill & Machine Co. ("Morse" For Chucks), New Bedford, Mass.
Page Storms Drop Forge Co., Chicopee, Mass.

### 17068—Wrenches (Combination)

Bemis & Call Hardware & Tool Co. (Pipe & Nut), Springfield, Mass.
Bonney Vise & Tool Works, Inc ("Bonney Combination," "Vixen" Nut & Pipe), Allentown, Pa.
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Dudley Tool Co., Menominee, Mich.
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Hawkeye Wrench Co. (Crocodile), Marshalltown, Ia.
Monte Wrench Co., Shelbyville, Ind.
Morse A. J. & Son Inc. (Hydrant), 221 High, Boston, Mass.
Niagara Falls Metal Stamping Works (Ten Tool in One), Niagara Falls, N. Y.
Stortz Jno. & Son, 210 Vine, Phila., Pa.
Union Hardware Co. ("Tower's" Pipe & Nut), Torrington, Conn.

### 17068a— Wrenches (Construction)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### Wrenches (Crocodile)

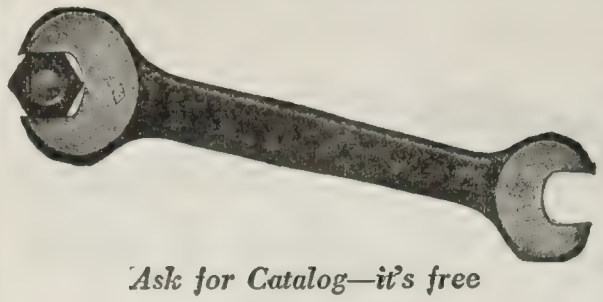
See Wrenches, Alligator

### 17069— Wrenches (Dog)

Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Le Count Wm. G. (Steel), South Norwalk,
Williams J. H. & Co. (Drop-Forgings), 31 Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

### 17070—Wrenches (Drop Forged)

Allen Wrench & Tool Co. (Pipe, Ratchet & Socket), 189 Public, Providence, R. I.
Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.
Barcalo Mfg. Co., Buffalo, N. Y.
Bayer Steam Soot Blower Co., St. Louis, Mo.
Bemis & Call Hardware & Tool Co., (Adjustable "S," Pipe, Nut & Screw), Springfield, Mass.
Billings & Spencer Co., Hartford, Conn.
BONNEY VISE & TOOL WORKS (Engineers), Allentown, Pa.
*See adv index at end of book*
Brown R. H. & Co., New Haven, Conn.
Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
Eccles Richard Co., Auburn, N. Y.
Fairmount Tool & Forging Co. ("Fairmount)" 10611 Quincy av, Cleveland, O.
Girard Wrench Mfg. Co. ("Girard"), Girard.
Harbison Mfg. Co., Kansas City, Mo.
Hawkeye Wrench Co., Marshalltown, Ia.
Herbrand Co., Fremont, Ohio
Hjorth Wm. & Co., Jamestown, N. Y.
Indianapolis Drop Forging Co., Indianapolis, Ind.
Kilborn & Bishop Co. (Pipe), 194 Chapel, New Haven, Conn.
*See adv index at end of book*
Lakeside Forge Co. ("Lakeside"), Erie, Pa. *See adv index at end of book*
Moore Drop Forging Co., Springfield, Mass.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.



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**ROEBLING'S JOHN A. SONS CO.**, Main Office, Trenton, N. J Works: Trenton & Roebling, N J
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**Thomson Drop Forge Co., Plantsville, Conn.**
**Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.**
Vichek Tool Co. ("Vichek"), Mt. Auburn, Cleveland, O.
Wakefield Clarence E. ("Wakefield"), 89 Exchange, Worcester, Mass.
Western Tool & Forge Co, Brackenridge, Pa.
**Whitaker Mfg. Co. (Steel), 409 S Green,** Chicago, Ill.
Williams J. H. & Co. (Light & Heavy Service), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

### 17071—Wrenches (Engineers' & Machinists')

SCREW & MONKEY PATTERN

Athol Machine Co. ("Rapid Transit"), Athol, Mass.
Barcalo Mfg. Co., Buffalo, N. Y.
Bayer Steam Soot Blower Co, St. Louis, Mo.
Beckley-Ralston Co., 1801 S Mich av, Chicago, Ill.
Bemis & Call Hardware & Tool Co. ("Briggs," "Merrick," Pattern), Springfield, Mass.
**BONNEY VISE & TOOL WORKS, INC.** (Thin Wrenches, Drop Forged), Allentown, Pa. *See adv index at end of book*
Bridgeport Hdwe. Mfg. Corp. ("Ready "Grip"), Bridgeport, Conn.
Chester Steel Castings Co., Chester, Pa.
**COES WRENCH CO.** ("Coes"), Coes sq, Worcester, Mass.
*See adv index at end of book*
Collins Co., Collinsville, Conn.
Corry Wrench Co., Corry, Pa.
Crescent Tool Co. ("Crescent" Drop Forged Adjustable Engines), 200 Harrison, Jamestown, N. Y.
Cushman Auto Tool Co., Champaign, Ill.
Detroit Model Machine W'ks, Tremont, O.
Drake & Wires Co., Blackstone bldg, Cleveland, Ohio
Dudley Tool Co., Menominee, Mich.
Erie Tool Works, Erie, Pa.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, O.
Forged Products Co. ("Gibraltar"), Conway bldg, Chicago, Ill.
Girard Wrench Mfg. Co. ("Girard" Forged Monkey), Girard, Pa.
Hawkeye Wrench Co. ("Hawkeye"), Marshalltown, Ia.
Helwig Mfg. Co. ("Helwig"), St. Paul, Minn.
Herbrand Co., Fremont, O.
Hilt's Wrench & Mfg. Co. ("Hilts'" Adjustable Drop Forged), Richford, N. Y.
Hjorth Wm & Co., Jamestown, N. Y.
Joy A. P., Rockingham, N. H.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
**KILBORN & BISHOP CO.** ("Saxon," "Terrier"), 194 Chapel, New Haven, Conn. *See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Lamson & Sessions Co. ("Lamson Rapid," Engineers', Case Hardened), 2188 Scranton rd S. N. Cleveland, O.
**LOWELL WRENCH CO.** ("Lowell" Reversible Ratchet), 54 Commercial, Worcester, Mass.
*See adv index at end of book*
Lutz Co. ("Lutz"), 31st & Grays Ferry av, Philadelphia, Pa.
Mason F. C & Co. ("Mason"), St. Johns, Mich.
Meadville Wrench Co. (Steel Handled Railroad Wrenches), Meadville, Pa.
Monte Wrench Co. ("Monte" Wood Handle), Shelbyville, Ind.
Mossberg Frank Co. ("Thin Model" Pressed Steel Engineers, Single & Double End Type). Attleboro, Mass.
Muncie Malleable Castings Co., Muncie, Ind.
Oliver Mfg. Co., 326 S Desplaines, Chicago, Ill.
**PECK, STOW & WILCOX CO.** ("P. S. & W," Solid Handle), Southington, Conn.
*See adv index at end of book*
Pratt Wm. E. Mfg. Co. ("Superior"), 35 W Lake, Chicago, Ill.
**Ronson Specialty Co., 7 Mulberry, Newark,** N. J.
Joy A. P., Rockingham, N. H.
S. & I. Co. (Pressed Steel, Double End), Springfield, Mass.
Smith H. D. & Co. ("Perfect Handle," Drop Forged), Plantsville, Conn.
Syracuse Wrench Co., 325 N Fayette, Syracuse, N. Y.
Trimont Mfg. Co. ("Trimo"), 55 Amory, Roxbury, Boston, Mass.
Union Hardware Co., Torrington, Conn.
Vichek Tool Co. ("Vichek," Single & Double Head), 8701 Mt. Auburn, Cleveland, O.
Wakefield Clarence E. ("Wakefield" Adjustable), Worcester, Mass.
Williams J. H. & Co. (Cap Screw, Drop-Forged), 31 Richard, Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms ("Winchester"), New Haven, Conn.

### 17072— Wrenches (Fixture)

Superior Tool Co. ("Du Charme"), Cambridge, O.
Yost Electric Mfg. Co. ("Falcon"), Toledo, Ohio

### 17073— Wrenches (Flange)

Nye Tool & Machine Works (Ratchet), 108 N Jefferson, Chicago, Ill.
Strong, Carlisle & Hammond Co. ("Strong Utility"), 336 Frankfort av N W, Cleveland, O.

### 17074—Wrenches for Underground Valves

Darling Valve & Mfg. Co., Williamsport, Pa.
Kennedy Valve Mfg. Co., Elmira, N. Y.
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### 17075—Wrenches (Fruit Jar)

Arcade Mfg. Co. ("Little Giant"), Freeport, Ill.
Forbes Benj. P. Co. ("Triumph"), Superior av, Cleveland, O.
Glenny Wm. Glass Co. ("Glenny"), 10 Commerce, Cincinnati, O.
Kobler Die & Specialty Co., De Kalb, Il
Parker Wire Goods Co., Worcester, Mas
S. & I. Co. ("Lightning," "Mason," Ope & Sealer), Springfield, Mass.
Wickwire Spencer Steel Corp., Worces Mass. *See adv index at end of book*
Wolverine Supply & Mfg. Co. ("Li Giant" Holder & Opener), Page Fontella, Pittsburgh, Pa.

### 17076—Wrenches (Gas Cock)

Malleable Iron Fittings Co. ("M. I. F. Co Branford, Conn.

### 17077-8— *Wrenches (Hammer Handle)

**COES WRENCH CO.** ("Hammer Handle Coes sq, Worcester, Mass.
*See adv index at end of book*

### 17079—Wrenches (Hydrant)

Berry Chas. E. ("Hopkins" Plain & A justable), Somerville, Mass.
Morse A. J. & Son, Inc., 221 High, Bost Mass.
Williams J. H. & Co. (Drop-Forgings), Richards, Brooklyn, N. Y.
*See adv index at end of book*

### 17080—*Wrenches (Key Adjustin

**COES WRENCH CO.**, Coes sq, Worcest ter, Mass.
*See adv index at end of book*

### 17081—Wrenches (Knife Handle

**COES WRENCH CO.** ("Knife-Handle Coes sq, Worcester, Mass.
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Cushman Auto Tool Co., Champaign, I

### 17082— Wrenches (Lag Screw)

Dicke Tool Co., Downers Grove, Ill.
Klein Mathias & Sons, 3200 Belmont Chicago, Ill.
**LOWELL WRENCH CO.** ("Lag Scre Reversible Ratchet), 54 Commerc Worcester, Mass.
*See adv index at end of book*
**SMITH & HEMENWAY CO., INC.** ("F Devil," Drop Forged Lag Screw Bolt), 261 H Broadway, New Yo and 130 H Coit, Irvington, N. J.
*See adv index at end of book*

### 17083—*Wrenches (Linemen's)

Williams J. H. & Co. (Drop-Forged), Richards, Brooklyn, N. Y.
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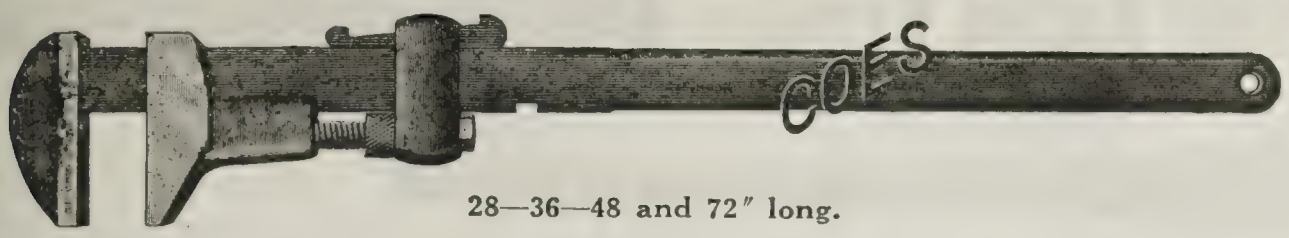


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17085—Wrenches (Locomotive)

nney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
keside Forge Co., Erie, Pa.
*See adv index at end of book*
lliams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

17085a— *Wrenches (Loom)

lliams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
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Wrenches (Machinists')

e Wrenches, Engineers' & Machinists'

17086-7—*Wrenches (Metal Handle)

**ES WRENCH CO.** ("Star 91"), Coes sq, Worcester, Mass.
*See adv index at end of book*

Wrenches (Nut)

e Wrenches, Engineers' & Machinists; also Wrenches, Adjustable

17088— Wrenches (Pin)

lings & Spencer Co. ("B. & S." Drop Forged Steel), Hartford, Conn.
lliams J. H. & Co., 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

17089— Wrenches (Pipe)

mstrong Mfg. Co., ("Armstrong"), 278 Knowlton, Bridgeport, Conn.
yer Steam Soot Blower Co., St. Louis, Mo.
lden Machine Co. ("Hayden," Brass & Nickel), New Haven, Conn.
mis & Call Hardware & Tool Co. (Combination Pipe & Nut), Springfield, Mass.
Billings & Spencer Co. ("B. & S." Chain), Hartford, Conn.
**BONNEY VISE & TOOL WORKS, INC.** ("Always Ready," "Stillson," "Crocodile" Adjustable "S"), Allentown, Pa.
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Buschle Sons Mfg. Co., 1637 Central av, Cincinnati, O.
Cochran Pipe Wrench Mfg. Co., 7800 Woodlawn av, Chicago, Ill.
Craftsman Tool Co. (Self-Adjusting) Conneaut, O.
Crane Co., Bridgeport, Conn.
Darling Valve Mfg. Co. (Ltd.), Williamsport, Pa.
Drop Forging Co. of New York ("Spartan" Chain), 301 West Side av, Jersey City, N. J.
Dudley Tool Co., Menominee, Mich.
Efficiency Device Corpn., 199 8th, Long Island City, N. Y.
Ellis & Ford Mfg. Co. (Combination Pipe & Monkey Wrench), Detroit, Mich.
Erie Stamping & Mfg. Co., Erie, Pa.
Erie Tool Works, Erie, Pa.
Forged Products Co. ("Gibraltar"), Conway bldg, Chicago, Ill.
Fuller Bros. Co., 139 Greenwich, New York
Greene, Tweed & Co. ("Champion"), 109 Duane, New York
**GREENFIELD TAP & DIE CORP.** ("G. T. D."), Greenfield, Mass.
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Hawkeye Wrench Co. ("Hawkeye" & "Superior"), Marshalltown, Ia.
Hayward Wrench Co., St. Louis, Mo.
Hilts Wrench & Mfg. Co. ("Hilts," "Eclipse," "Comet" & Adjustable Chain), Richford, N. Y.
Keystone Mfg. Co. ("Westcott" Adjustable), Buffalo, N. Y.
Kraeuter & Co. ("Victor" Alligator), 583 18th av, Newark, N. J.
Kroeschell Bros. Co. ("Ideal"), 440 W Erie, Chicago, Ill.
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
*See adv index at end of book*
Lutz Co., Inc. ("Lutz" With Friction Ratchet), 31st & Grays Ferry av, Phila., Pa.
Monte Wrench Co., Shelbyville, Ind.
Moore Drop Forging Co., Springfield, Mass.
Mossberg Frank Co. ("Gripsall"), Attleboro, Mass.
Nason Mfg. Co., 71 Fulton, New York
Oil Well Supply Co. ("O."), 215 Water, Pittsburgh, Pa.
Oswego Tool Co. ("Stillson" & "Standard" Patterns), Oswego, N. Y.
Parmelee Wrench Co. ("Parmelee's" Girdle), 2515 W Monroe, Chicago, Ill.
Peck, Stow & Wilcox Co. ("Pexto"), Southington, Conn.
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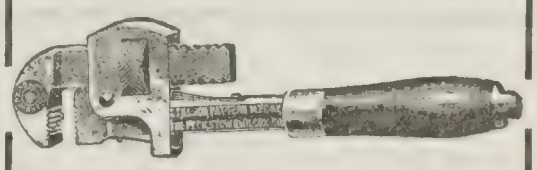

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Stearns Mfg. Co., Toledo, O.


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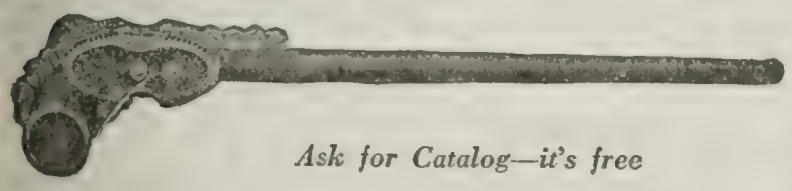

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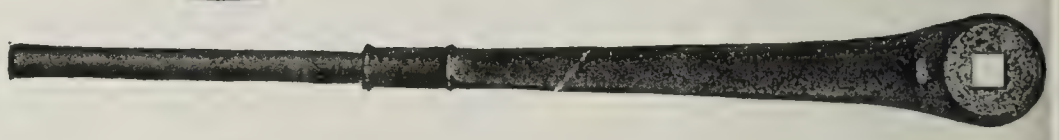

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**WORCESTER, MASS.**


WRENCHES (PIPE)—continued

Trimont Mfg. Co. ("Trimo"), 55 Armory, Roxbury, Boston, Mass.
Vaughan & Bushnell Mfg. Co. ("V. & B. Grip," Drop Forged Steel), 2114 Carroll av, Chicago, Ill.
Wakefield Clarence E. ("Wakefield," Quick "Adjustable"), Worcester, Mass.
Walworth Mfg. Co. ("Stillson" "Walworth Genuine Stillson"), Boston, Mass.
Warnock Mfg. Co. ("Warnock," "Warnock Simplex," "Smooth Pipe"), 54 Commercial, Worcester, Mass.
Williams J. H. & Co. ("Vulcan" & "Agrippa" Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms Co. ("Ireland" Drop Forged), New Haven, Conn.
Wolverine Brass Co., Grand Rapids, Mich.

## 17090— Wrenches (Pipe & Pipe Cutter Combined)

**BONNEY VISE & TOOL WORKS, INC.** ("Masterpiece"), Allentown, Pa.
***See adv index at end of book***

## Wrenches Pocket

**See Wrenches, Bicycle & Pocket**

## 17091—Wrenches (Ratchet)

**See also Drills, Ratchet**

Allen Wrench & Tool Co., 189 Public, Providence, R. I.
Burgess & Norton Mfg. Co. ("Stephens"), Geneva, Ill.
C. M. B. Wrench Co. ("Silver King," Adjustable Handle Socket Ratchet, "Auto Queen," Factory, Machinists), Garwood, N. J.
Convertible Ratchet Wrench Co., Allentown, Pa.
Custer Coupling Co. ("Custer"), Bradford, Pa.
Frick & Lindsay Co. (Car, Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Greene, Tweed & Co. ("Favorite," Reversible), 109 Duane, New York
Irving Mfg. & Tool Co., 157 Chambers, New York
Keystone Mfg. Co. ("Keystone" Reversible), Buffalo, N. Y.
Lovejoy Tool Works, 319 W Ohio, Chicago, Ill. *See adv index at end of book*
**LOWELL WRENCH CO.**, ("Multiplex" Reversible), 54 Commercial, Worcester, Mass. ***See adv index at end of book***
Lutz Co., 31st & Gray's Ferry av, Phila., Pa.
Maytag Co. ("Hawkeye" for Thrasher Cylinders), Newton, Ia.
Miller Chas. ("Comet"), Syracuse, N. Y.
Mossberg Frank Co. ("Mossberg" "Auto-Cle" Flat, Handle, Ratchet, Reversible & Non-Reversible Socket), Attleboro, Mass.
Parmalee Wrench Co. ("Parmalee"), 2515 W Monroe, Chicago, Ill.
Pratt & Whitney Co., Hartford, Conn.
Richards-Wilcox Mfg. Co. ("Wizard" Adjustable), Aurora, Ill.
**STARRETT L. S. CO. (THE), Athol, Mass.**
*See adv index at end of book*
Syracuse Wrench Co. ("Champion" & "Yala"), 325 N Fayette, Syracuse, N. Y.
**WALDEN-WORCESTER, INC.** ("Walden-Worcester" Socket), 475 Shrewsbury, Worcester, Mass.
*See adv. index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Yonts C. H. & Co. (With Handle), Meadville, Pa.

## 17091a—*Wrenches (Reversible Ratchet)

Frick & Lindsay Co. (Dealers), Sandusky & Robinson, Pittsburgh, Pa.
*See adv index at end of book*
Lowell Wrench Co. ("Multiplex" Reversible), 54 Commercial, Worcester, Mass. ***See adv index at end of book***

## 17092— Wrenches ("S")

**Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.**
Barcalo Mfg. Co., Buffalo, N. Y.
Bemis & Call Hardware & Tool Co. ("B. & C.," Single & Double End Adjustable Nut & Pipe), 983 Main, Springfield, Mass.
Billings & Spencer Co. ("B. & S" Drop Forged Adjustable, Hexagon, et Hartford, Conn.
**BONNEY VISE & TOOL WORKS, I**
(Adjustable), Allentown, Pa.
*See adv index at end of book*
Buffum Tool Co. ("Swastika"), So Side, Louisiana, Mo.
Bullock Mfg. Associates (Adjustabl Springfield, Mass.
Cushman Auto Tool Co., Champaign, I
Erie Tool Works, Erie, Pa.
Forged Products Co. ("Gibraltar"), C way bldg, Chicago, Ill.
Greene Tweed & Co. ("Baxter" Adjustable), 109 Duane, New York
Keystone Mfg. Co. ("Westcott" Adjustable), Buffalo, N. Y.
Lakeside Forge Co. ("Lakeside"), E Pa. *See adv index at end of book*
Moore Drop Forgings Co. (Custom W Only), Springfield, Mass.
Muncie Malleable Castings Co., Mun Ind.
National Malleable Castings Co., 7 **Platt av, S E, Cleveland, O.**
Oswego Tool Co. (Adjustable Nut), wego, N. Y.
Robinson M. W. Co. ("Carll" Adjustal Drop Forged), 296 B'way, New Y
S. & I. Co. ("Never Break," Harde Pressed Steel), Springfield, Mass.
Whitman & Barnes Mfg. Co., Akron, O
*See adv index at end of book*
Williams J. H. & Co. (Nut Cap & Screw Drop-Forged), 31 Richar Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms Co. ("W chester"), New Haven, Conn.

## Wrenches (Screw)

**See Wrenches, Engineers & Machinist**

## 17093— Wrenches (Sleeve)

Kendrick-Davis Co. ("K. & D." Jeweler Lebanon, N. H.

WALDEN WORCESTER WRENCHES

SOCKET WRENCHES
FOR
TRUCKS - PASSENGER CARS - TRACTORS
GENERAL MECHANICAL SERVICE
WRITE FOR CATALOG NO. 850
WALDEN - WORCESTER
INCORPORATED
WORCESTER, MASS.
SALES OFFICES
CHICAGO 452 MONADNOCK BUILDING
NEW YORK 295 BROADWAY
SAN FRANCISCO 487 MONADNOCK BUILDING

## 17094— Wrenches (Socket)

Allen Wrench & Tool Co. ("Eureka" Ratchet) "Allen-Friction" "Allen-Universal"), 189 Public, Provdence, R. I.
American Grinder Mfg. o. ("Blackhawk"), 718 Poplar, Milwaukee, Wis.
Armstrong Bros. Tool Co. ("A." Drop Forged), 339 N Francisco av, Chicago, Ill.
Billings & Spencer Co. ("B. & S.") Hartford, Conn.
Bonney Vise & Tool Works, Inc. (Specal), Allentown, Pa.
*See adv index at end of book*
C. M. B. Wrench Co. ("Silver Ring" & "Auto Queen," Adjustable Handle, Socket Hatchet), Garwood, N. J.
Channon Jas. H. Mfg. Co. (Socket Handle), 227 W Erie, Chicago, Ill.
Fairmount Tool & Forgng Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Faw J. H. Inc. (Steel), 27 Warren, New York
Graham Roller Bearing Co., Coudersport, Pa.
Harris Samuel & Co., 114 N Clinton, Chicago, Ill.
Improved Guage Mg. Co., 105 Canal, Syracuse, N. Y.
Indianapolis Drop Forging Co., Indianapolis, Ind.
Ketler-Elliott Co. ("Ketoco"), 31st & California, Chicago, Ill.
Keystone Mfg. Co. ("Keystone," "Giant," with Reversible Rachet), Buffalo, N. Y.
**LOWELL WRENCH CO.** (Reversible Ratchet), 54 Commercial, Worcester, Mass. *See adv index at end of book*
Miller Chas. ("Autos' Friend"), Syracuse, N. Y.
Moore Drop Forging Co. (Custom Work Only), Springfield, Mass.
Mossberg Frank Co. ("Diamond M.," Socket Sets & "Auto Cle," also Ratchet Socket & Tubular Type) Attleboro, Mass.
National Mechanical Corp. ("Benjamin"), 125 S Racine av, Chicago, Ill.
New England Pressed Steel Co., Natick, Mass.
Packer Auto Specialty Co. ("Ray"), 1420 S Michigan, Chicago, Ill.
Parmalee Wrench Co. ("Parmalee"), 2515 W Monroe, Chicago, Ill.
Vichek Tool Co. (Tubing), 8701 Mt. Auburn av, Cleveland, O.
**WALDEN-WORCESTER, INC.** ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass. *See adv index at end of book*
*See adv index at end of book*
**WILLIAMS & CO. INC.**, 901-937 Pennsylvania av, N. S., Pittsburgh, Pa.
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.
Winter Bros. Co., Wrentham, Mass.
Worcester Pressed Steel Co. (Pressed Steel), Worcester, Mass.

## 17095—Wrenches (Spanner)

Billings & Spencer Co. ("B. & S." Drop Forged Adjustable), Hartford, Conn.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Edna Brass Mfg. Co., Cincinnati, O.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Forsyth Metal Goods Co. (Bicycle), E. Aurora, N. Y.
Franklin Park Foundry Co., Franklin Park, Ill.
**LUNKENHEIMER CO.** (Adjustable), Executive Offices & Factories: Beekman & Waverly, Cincinnati, O.
*See adv index at end of book*
Morse A. J. & Son Inc., 221 High, Boston, Mass.
Oakes Co., The, Indianapolis, Ind.
Powell Wm. Co. ("Powell"), Cincinnati, O.
*See adv index at end of book*
Rhode Island Tool Co. (Drop Forged), Providence, R. I.
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms Co. ("P. S."), New Haven, Conn.

## 17096—Wrenches (Spark Plug)

Buffum Tool Co. ("Swastika"), South Side, Louisiana, Mo.
C. M. H. Wrench Co. ("C. M. B." Adjustable), Garwood, N. J.
Chicago Tool & Kit Mfg. Co., 12 N Market, Chicago, Ill.
Fairmount Tool & Forging Co. ("Fairmount"), 10611 Quincy av, Cleveland, Ohio
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Miller Chas. ("2-in-1," "XX," "4-in-1"), Syracuse, N. Y.
Moore Drop Forgings Co. (Custom Work Only), Springfield, Mass.
Mossberg Frank Co. (Pressed Steel, Tubular Socket Type & Flat, End Opening Type), Attleboro, Mass.
Pratt Wm. E. Mfg. Co., 35 W Lake, Chicago, Ill.
Republic Auto Parts Co. (For Ford Cars), 81 10th, Long Island City, N. Y.
Vichek Tool Co. ("Vichek"), 8701 Mt. Auburn av, Cleveland, O.
**WALDEN-WORCESTER, INC.** ("Walden-Worcester"), 475 Shrewsbury, Worcester, Mass.
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 17097—Wrenches (Splicing)

Dicke Tool Co., Downers, Grove, Ill.
**SMITH & HEMENWAY CO., INC.** ("Red Devil," Drop Forged Tie & Splicing), 261 H. B'way, New York, & 130 H. Colt, Irvington, N. J.
*See adv index at end of book*

## 17098—Wrenches (Sprocket)

Ayes & Co. ("Champion" Hub), 1812 Ellen, Chicago, Ill.

## 17099— Wrenches (Steel)

Bossert Corp., The, cor Linden & West av, Utica, N. Y.
*See adv index at end of book*
**COES WRENCH CO.**, Coes sq, Worcester, Mass. *See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 17100—Wrenches (Structural)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Lakeside Forge Co., Erie, Pa.
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 17101— Wrenches ("T")

Winchester Repeating Arms Co. ("P. S."), New Haven, Conn.

## 17102—Wrenches (Tap & Reamer)

Alert Tool Co. (Ratchet), 237 N 6th, Philadelphia, Pa.
**AMERICAN TAP & DIE CO.** ("Adamantine"), Greenfield, Mass.
*See adv index at end of book*
Armstrong Mfg. Co. ("Armstrong"), 278 Knowlton, Bridgeport, Conn.
Bay State Tap & Die Co., Mansfield, Mass.
Billings & Spencer Co. ("B. & S."), Hartford, Conn.
Braunsdorf-Mueller Co. (Tap), Elizabeth, N. J.
Brubaker W. L. & Bros. (Adjustable), Millersburg, Pa.
Butterfield & Co., Derby Line, Vt.
Card S. W. Mfg. Co. ("Horsfield"), Mansfield, Mass.
Carpenter J. M. Tap & Die Co. ("Nichols"), Pawtucket, R. I.
Champion Blower & Forge Co. ("Champion"), Lancaster, Pa.
Conant & Donelson Co. ("Reliable"), Conway, Mass.
Dikeman Mfg. Co. (Tap Wrench for Hand Taps, also with Hollow Handle), Norwalk, Conn.
**GREENFIELD TAP & DIE CORP'N** ("G. T. D."), Greenfield, Mass.
*See adv index at end of book*
Hart Mfg. Co. ("Duplex" Adjustable Tap), Cleveland, O.
Keystone Mfg. Co. ("Keystone" or Ratchet Stud Driver), Buffalo, N. Y.
Morse Twist Drill & Machine Co. ("Morse" For Adjustable Reamers & Taps), New Bedford, Mass.
North Bros. Mfg. Co. ("Yankee" Tap), Lehigh & American, Phila., Pa.
Pawtucket Mfg. Co., Pawtucket, R. I.
Polk A. J. & Son Co. (Adjustable), Millersburg, Pa.
Poorman J. E. (High Speed), 1825 Bristol, Phila., Pa.
Pratt & Whitney Co. (Adjustable), Hartford, Conn.
Robinson M. W. Co. ("Rollis"), 296 B'way, New York
Russell Mfg. Co. (Adjustable), Greenfield, Mass.
Sawyer Tool Mfg. Co. (Tap), Ashburnham, Mass.

WRENCHES (TAP & REAMER)—cont.

Standard Tool Co., 6700 Central av, Cleveland, O.
**STARRETT L. S. CO. (THE),** (Tap Wrenches), Athol, Mass.
*See adv index at end of book*
Walworth Mfg. Co., Boston, Mass.
West Haven Mfg. Co. ("Hold Fast" & T. Handle Tap Wrench), West Haven, Conn.
**Williamsburg Mfg. Co., Williamsburg, Mass.**
Winchester Repeating Arms Co. ("P. S."), New Haven, Conn.
**Winter Bros. Co., Wrentham, Mass.**

## 17103— Wrenches (Textile)

**Bonney** Vise & Tool Works, Inc. **(Machine),** Allentown, Pa.
*See adv index at end of book*
**Lakeside** Forge Co., Erie, Pa.
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 17104— Wrenches (Thin)

**Bonney Vise & Tool Works (Drop Forged),** Allentown, Pa.
*See adv index at end of book*
Grammes L. F. & Sons, Allentown, Pa.
*See adv index at end of book*
**Lakeside Forge Co. ("Lakeside"), Erie, Pa.**
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## 17105—Wrenches (Thresher Cylinder)

**Fosston-Carpenter Co. ("Fosston,"** Ratchet), St. Paul, Minn.
**Russell & Co. ("Russell"),** Massillon, O.

## 17106—Wrenches (Tool Post)

**Armstrong Bros. Tool Co. ("A." Drop Forged), 339 N Francisco av,** Chicago, Ill.
Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.
Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Indianapolis Drop Forging Co., Indianapolis, Ind.
Lakeside Forge Co. ("Lakeside" Drop Forged), Erie, Pa.
*See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 17107— Wrenches (Track)

**Beall Bros. (Single & Double End),** Alton, Ill.
Billings & Spencer Co. ("B. & S." Drop Forged), Hartford, Conn.
**BONNEY VISE & TOOL WORKS, INC.,** Allentown, Pa.
*See adv index at end of book*
Chester Steel Castings Co., Chester, Pa.
Evansville Tool Works, Evansville, Ind.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
Indianapolis Drop Forging Co., Indianapolis, Ind.
**Iron City Tool Works (Ltd.), 3201 Smallman,** Pittsburgh, Pa.
**JEFFREY MFG. CO., 961 N 4th,** Columbus, O.
*See adv index at end of book*
Kalamazoo Railway Supply Co., Kalamazoo, Mich.
**Klein-Logan Co., 13th & Breed,** Pittsburgh, Pa.
Lakeside Forge Co. ("Lakeside"), Erie, Pa.
*See adv index at end of book*
Stanley Rule & Level Co. (Atha Div.), New Britain, Conn.
Union Drop Forge Co., 358 W. Grand av, Chicago, Ill.
Verona Tool Works (Straight & T), Oliver bldg, Pittsburgh, Pa. & Verona, Pa.
Warwood Tool Co., Warwood, Wheeling, W. Va.

Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*
Winchester Repeating Arms Co. ("Winchester"), New Haven, Conn.

## 17107a— *Wrenches (Triplehead)

Bonney Vise & Tool Wks., Inc., Allentown, Pa. *See adv index at end of book*
Williams J. H. & Co. (Drop-Forged), 31 Richards, Brooklyn, N. Y.
*See adv index at end of book*

## Wrenches (Wagon)

**See Wrenches, Carriage**

## 17108—Wringers (Blue Print)

**Lovell Mfg. Co. (& for Mechanical Work),** Erie, Pa.
Pease C. F. Co., 820 N Franklin, Chicago, Ill. *See adv index at end of book*

## 17109— Wringers (Clothes)

**American Ironing Machine Co. ("Triumph"), 166 N Michigan, Chicago, Ill.**
American Laundry Machinery Co., Norwood, Cincinnati, Ohio
**American Wringer Co., 99 Chambers, New York**
Blackstone Mfg. Co. ("Blackstone" Swinging Wringer, Electric Washing Machine, "Blackstone" Gasolene Power Swinging Wringer, Washing Machine), Jamestown, N. Y.
Crystal Washing Mach. Co. (Elect.), 1118 Gratiot, Detroit, Mich.
**Lovell Mfg. Co. ("Anchor Brand" Ball Bearing), Erie, Pa.**
Petroleum Engine & Mfg. Co., 120 B'way, New York
**Troy Laundry Machinery Co. (Ltd.),** 23d & La Salle, Chicago, Ill.

## 17110— Wringers (Mop)

**American Wringer Co., 99 Chambers, New York**
**Ayes & Co. ("Champion"), 1812 Ellen,** Chicago, Ill.
Bennington Scale Co. ("Molly Stark"), Bennington, Vt.
Brockton Mop Wringer Co. ("Brockton"), Brockton, Mass.
Bushnell Novelty Co. ("Bull Dog"), Mansfield, O.
Cardington Cabinet Co. ("Oscillator," "Ohio Crank"), Cardington, O.
Dobbins Mfg. Co. ("D. & B." Wringer & Pail), 127 1st, Minneapolis, Minn.
**Eagle Woodenware Mfg. Co. ("Eagle" Wringer & Bucket Combined),** Hamilton, O.
Ely Theo. J. Mfg. Co., Girard, Pa.
**Erie Mop & Wringer Co. ("Erie"), Erie,** Pa.
Gilchrist Co., 236 Bank, Newark, N. J.
Lee Chair Co. ("Reliance"), Oneida, N. Y.
MacLeod Mfg. Co., 227 W Austin av, Chicago, Ill.
Schubert August Wagon Co. ("Reliance"), Oneida, N. Y.
Smith System Heating Co. (Ellis Economy), 821 Washington av, S E, Minneapolis, Minn.
Success Mfg. Co. (Square Galvanized), Gloucester, Mass.
Tucker & Dorsey Mfg. Co. ("Columbia" Mop & Bucket Combined), Indianapolis, Ind.
U. S. Mop Co. ("E-Z"), Toledo, Ohio
White Mop Wringer Co. ("White"), Fultonville, N. Y.

## 17111—Wrist Bands (Husking)

Bemzo Chemical Co., 39 Coritandt, New York
Boss Mfg. Co., Kewanee, Ill.
Buchheimer Geo. H., 1004 Rutland av, Baltimore, Md.
Clark R. F. Mfg. Co., 169 N Jefferson, Chicago, Ill.
Florin Philip, 465 Broome, New York

## 17112— X-Ray Apparatus

Betz Frank S. Co., Hammond, Ind.
Bush Geo. Electric Corp., 334 Sutter, San Francisco, Cal.
Campbell Electric Co., 17 Stewart, Lynn, Mass.
Columbia X-Ray & Electric Corp., 131 E 23d, New York
Contra Pole Electric Co, Inc., 1231 Prospect pl, Brooklyn, N. Y.
**Dodd & Struthers, Des Moines, Ia.**
**Dudlo Mfg. Co., Ft. Wayne, Ind.**
Edwards X-Ray Mfg. Co., 111 New Jersey, Indianapolis, Ind.
**Foote Pierson & Co., 160 Duane, New York**
General Electric Co. (Coolidge Tubes), Shenectady, N. Y.
*See adv index at end of book*
**Green & Bauer ("Clover Leaf" & "Mascot" X-Ray Tubes), Hartford, Conn.**
**Kelley-Koett Mfg. Co., ("K.-K.") Covington, Ky.**
Kny-Scheerer Co., 404 W 27th, New York
McIntosh Battery & Optical Co., 217 Desplaines, Chicago, Ill.
Meyer Wm. Co., 1644 Girard, Chicago, Ill.
Rieber Laboratories, 667 Howard, San Francisco, Cal.
**Ritchie E. S. & Sons, Brookline, Mass.**
**Snook-Roentgen Mfg. Co., 1210 Race, Philadelphia, Pa.**
Ten Broeck & Huber, 214 E 23d, New York
Thordarson Electric Mfg. Co., 501 S Jefferson, Chicago, Ill.
Victor Electric Co., 236 S Robey, Chicago, Ill.
Waite & Bartlett Mfg. Co., 53 Long Island City, N. Y.
**Williams E. 2, Syracuse, N. Y.**
Wappler Electric Co., 187 Harris av, Long Island City, N. Y.
**Ziola-Jackson X-Ray Coil Co., Madison, Wis.**

## 17113—X-Ray Fluoroscopes

**See also X-Ray Apparatus**

Jackson Francis E., Orange, N. J.

## 17113a— Xylenols

Barrett Co., 17 Battery pl, New York

## 17113b— Xylidine

Calco Chemical Co. (For making Dyes), Bound Brook, N. J.
Chemical Co. of America (Mfrs), 28 Platt, New York
Montcalm Chemical Works, Indianapolis, Ind.

## 17113c— Xylol

See also Coal Tar Products

Barrett Co., 17 Battery pl, New York
Bayway Chemical Co., Elizabeth, N. J.
Citizens Gas Co., 47 S Penn, Indianapolis, Ind.
Coopers Creek Chemical Co., West Conshohocken, Pa.
Corrigan McKinney & Co., Cleveland, O.
DuPont Chemical Works, Wilmington, Del.
York
Edison International Corp., 165 B'way, New York
Jordan William E. Inc., 13 Cliff, New
Lewis F. J. Mfg. Co., Moline, Ill.
Williamson & Co., 28 Burling Slip, New York

## 17114— Yard Sticks

**American Mfg. Concern, Falconer, N. Y.**
Bliss Mfg. Co., Bliss, N. Y.
Bogert & Hopper Inc., 57 Barclay, New York. *See adv index at end of book*
**Bradley Milton Co., Springfield, Mass.**
**Chapin-Stephens Co. (Also School & Desk Rulers, etc), Pine Meadow, Conn.**
**ESTES E. B. & SONS, 364 5th av, New York** *See adv index at end of book*
**Geneva Mfg. Co., Geneva, Ill.**
Lucas-Tuttle Mfg. Co., Silver Springs, **N. Y.**
National Advertising Co., Seneca Falls, N. Y.
**Novelty Advertising Co., Coshocton, O.**
Stanley Rule & Level Co., New Britain, Conn.
Up-to-Date Advertising Co. ("Kanisteo"), Canisteo, N. Y.
Westcott-Jewell Co. (Meter Sticks, Extension Rods, etc.), **Seneca Falls, N. Y.**

## 17114a— Yarn (Asbestos)

Atlantic Asbestos Co., 132 W 2d, Phila., Pa.
**DOMINION ASBESTOS & RUBBER CORP, 154 Nassau, New York**
*See adv index at end of book*
Standard Woven Fabric Co., Walpole, Mass.

### 17115— Yarn (Fodder)

American Mfg. Co., West & Noble, Brooklyn, N. Y.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Rinek Cordage Co., Easton, Pa.

### 17116— Yarn (Jute)

Allentown Spinning Co., Allentown, Pa.
Crichton Spinning Co., Allentown, Pa.
Dolphin Jute Mills, Paterson, N. J.

### 17117— Yarn (Lath)

American Mfg. Co., West & Noble, Brooklyn, N. Y.
Columbian Rope Co. (Tarred Sisal), 3050 Genesee, Auburn, N. Y.
Fitler Edwin H. Co., 517 Arch, Phila., Pa.
Hooven & Allison Co. (Tarred), Xenia, O.
Kelly R. A. Co., Xenia, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Peoria Cordage Co. (Tarred & Untarred), Peoria, Ill.
Plymouth Cordage Co., North Plymouth, Mass.
Rinek Cordage Co., Easton, Pa.
Rugg E. T. & Co., Newark, O.
St. Louis Cordage Mills ("Royal"), 1716 S 11th, St. Louis, Mo.
Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.

### 17118— Yarn (Mop)

Dearborn Duster Co. ("Dearborn"), 550 W Harrison, Chicago, Ill.
Eagle Cotton Mills Co., Madison, Ind.
Estes Mills, Fall River, Mass.
Grahamton Mfg. Co., Grahamton, Ky.
Hooper Wm. E. & Sons Co., 3502 Parkdale av, Baltimore, Md.
Massasoit Mfg. Co., Fall River, Mass.
Mt. Vernon-Woodberry Mills, Inc., Cont. bldg., Baltimore, Md.
Richards Fred J., Springfield, Mass.
Southern Mills Corpn., Oxford, Ala.
Toohey M. J. & Co., Fall River, Mass.
Westport Mfg. Co., Fall River, Mass.
Yocona Mills, Water Valley, Miss.

### 17119— Yarn (Tarred)

American Mfg. Co., West & Noble, Brooklyn, N. Y.
Broderick & Bascom Rope Co., 805 N Main, St. Louis, Mo.
Columbian Rope Co. (Sisal), 3050 Genesee, Auburn, N. Y.
Fischer & Hayes Rope & Steel Co., 742-744 W Van Buren, Chicago, Ill.
*See adv index at end of book*
Hooven & Alison Co. (Fodder, Lath, etc), Xenia, O.
Kelly R. A. Co., Xenia, O.
Leschen A. & Sons Rope Co., 920 N 1st, St. Louis, Mo.
Schlichter Jute Cordage Co., 20 N Front, Phila, Pa.
Tubbs Cordage Co., Kohl bldg, San Fransisco, Cal.
WALL ROPE WORKS, INC., 48 South, New York
Waterbury Co., 63 Park Row, New York

THE Yarn Trade INDEX
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Official American Textile Directory
which gives complete information on all Textile Mills and classified lists of Yarn Manufacturers, Yarn Dealers, etc. Price, $3.00.
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334 Fourth Ave. New York

### 17119a— Yeast Mfrs.

Baird-Daniels Co., 143 W B'way, New York
Barber Horace Distilling Co., Warehouse Point, Conn.
Fleischmann Co., 427 Plum, Cincinnati, O.
National Distilling Co., ft 27th, Milwaukee, Wis.

### 17120—Yellow Metal (Cold Rolled)

American Brass Co., Waterbury, Conn.
*See adv. index at end of book*
Taunton-New Bedford Copper Co., Taunton, Mass.

### 17121—Yellow Metal (Polished)

American Brass Co., Waterbury, Conn.
*See adv. index at end of book*
Taunton-New Bedford Copper Co., Taunton, Mass.

### 17122—Yellow Metal (Sheet & Rod)

AMERICAN BRASS CO., Waterbury, Conn. *See adv index at end of book*

### 17123— Yoke Ends

Williams J. & H. Co. (Drop-Forged, Unfinished), 31 Richards, Brooklyn, N. Y. *See adv index at end of book*

### 17124— Yokes (Clip)

Upson Nut Co. (Wrought Iron & Plate), Cleveland, O.

### 17125— Yokes (Coupler)

Cambria Steel Co., Widener bldg, Philadelphia, Pa.
Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.
Keyoke Railway Equipment Co. ("Murray Keyoke"), Monadnock blk, Chicago, Ill

### 17126—Yokes (Draw Bar)

Buckeye Steel Castings Co., Columbus, O.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.

### 17127—Yokes (Pocket Coupler, Etc.)

Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.
Valley Forging Co., Verona, Pa.

### 17128—Yokes (Street Railway)

Davies & Thomas Co. (Cast Iron), Catsauqua, Pa.
Kansas City Bolt & Nut Co. (Wrought Iron), Kansas City, Mo.
Wharton Wm. Jr. & Co. Inc., Easton, Pa.

### 17128a— Yttrium

Foote Mineral Co., Inc., 107 N 19th, Phila., Pa.

### 17129— Zaffer

Drakenfeld B. F. & Co (Imp.), 50 Murray, New York
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Highfield John W., 248 N 10th, Brooklyn, N. Y.
Roessler-Hasslacher Chemical Co., 709 6th av, New York

### 17129a— Zinc (Acetate)

Cooper Chas. & Co., 194 Worth, New York

### 17130— Zinc (Aluminized)

New Era Mfg. Co., Kalamazoo, Mich.

### 17130a— Zinc Arsenate

Thomsen Chemical Co., Munsey bldg, Baltimore, Md.

### 17130b— Zinc Blend

Northern Ore Co., Edwards, N. Y.

### 17130c— Zinc (Bromide)

Cooper Chas. & Co., 194 Worth, New York

### 17131— Zinc Carbonate

Fuller, Ralph L. & Co., Inc., 81 Fulton, New York
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York *See adv index at end of book*
Wiarda John C. & Co., 273 Greene, Brooklyn, N. Y.

### 17132— Zinc Chloride

American Alloys Co., American bldg, Baltimore, Md.
Bauer Philipp Co. (Im.), 25 Broadway, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
General Chemical Co., 25 Broad, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Innis, Speiden & Co., Inc., 46 Cliff, New York *See adv index at end of book*
Klipstein A. & Co. (Ammonium, Imp.), 644 Greenwich, New York
Mallinckrodt Chemical Works, 2d & Mallinckrodt, St. Louis, Mo.
Merrimac Chemical Co., 148 State, Boston, Mass.
New Jersey Zinc Co., 160 Front, New York
Newport Chemical Wks. Inc., Milwaukee, Wis.
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Sandoval Zinc Co. (In Liquid Form), 410 N Peoria, Chicago, Ill.
*See adv index at end of book*
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### 17132a— Zinc Chromate

Harshaw Fuller & Goodwin Co., Elec. bldg, Cleveland, O.

### 17132b— Zinc (Cyanide)

Cooper Chas. & Co., 194 Worth, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York

### 17133— Zinc Dust

American Metal Co., 61 B'way, New York
American Smelting & Refining Co., 120 B'way, New York
Arnold, Hoffman & Co., 55 Canal, Providence, R. I.
Ball Brothers Glass Company, Muncie, Ind.
Beer, Sondheimer & Co., Inc. (Selling Agents, 61 B'way, New York
Bischoff C. & Co. (Imp.), 451 Washington, New York
Braun Cork, 363 New High, Los Angeles, Cal.
Denver Fire Clay Co., Denver, Colo.
Fuerst Bros. & Co., 2 Stone, New York
Fuller Ralph L. & Co., Inc., 81 Fulton, New York
Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
Illinois Zinc Co., Peru, Ill.
Innis, Speiden & Co., Inc., 46 Cliff, New York. *See adv index at end of book*
Klipstein A. & Co., 644 Greenwich, New York
Metals Disintegrating Co. Inc., 62 B'way, New York
Mitsui & Co., (Japanese), 65 Broadway, New York
National Zinc Co., 61 B'way, New York
New Jersey Zinc Co., 160 Front, New York
Rau Henry M., 130 Pearl, New York
Roessler & Hasslacher Chemical Co., 709 6th av, New York
United States Smelting Co., 61 B'way, New York
United Zinc Smelting Corp., 99 John, New York
Warren Products Co., 265 Canal, New York *See adv index at end of book*

### 17133a— Zinc (Electrolytic)

Electrolytic Zinc Co., Inc., 3 S William, New York

## 17133b— Zinc (Granulated)

Grasselli Chemical Co., Guardian bldg, Cleveland, O.
Warren Products Co., 265 Canal, New York *See adv index at end of book*

## 17133c— Zinc (Iodide)

Cooper Chas. & Co., 194 Worth, New York

## 17134— Zinc Mfrs.

American Boran Products Co., Inc. (Boranic in Shot Form), Reading, Pa.
American Zinc Products Co., Greencastle, Ind.
American Zinc, Lead & Smelting Co., 120 Broadway, New York
Anaconda Copper Mining Co., Butte, Mont.
Ball Brothers Glass Mfg. Co. (Strip & Slab), Muncie, Ind.
Bartlesville Zinc Co., 61 B'way, New York
Beer, Sondheimer & Co., Inc. (Selling Agents), 61 B'way, New York
**Bertha Mineral Co., Pulaski, Va.**
**Collinsville Zinc Co., Collinsville, Ill.**
Eagle-Picher Lead Co., 208 S La Salle, Chicago, Ill.
Edgar Zinc Co., Boatman's Bank bldg., St. Louis, Mo.
**Empire Zinc Co., Denver, Colo.**
**Granby Mining & Smelting Co., St. Louis, Mo.**
**Grasselli Chemical Co., Guardian bldg, Cleveland, O.**
Hegeler Bros., Danville, Ill.
**Henryetta Spelter Co., Henryetta, Okla.**
Illinois Zinc Co. (Electrolytic Sheet, etc), Peru, Ill.
**Lanyon Robt. Zinc & Acid Co., Hillsboro, Ill.**
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
**Mineral Point Zinc Co., 140 S Dearborn, Chicago, Ill.**
**Missouri Zinc Co., Beckemeyer, Ill.**
National Zinc Co., 61 B'way, New York
New Jersey Zinc Co., 160 Front, New York
**Pittsburg Zinc Co., Pittsburg, Kan.**
**Platt Bros. & Co. (Cold Rolled), Waterbury, Conn.**
Sandoval Zinc Co., 410 N Peoria, Chicago, Ill. *See adv index at end of book*
**Tulsa Fuel & Mfg. Co., Collinsville, Okla.**
**United States Zinc Co., Pueblo, Colo.**
United Zinc Smelting Corp., 99 John, New York

## 17135—Zinc (Nickeled, Brassed & Coppered)

Rothschild M., 207 Norman av, Brooklyn, N. Y.

## 17136—Zinc-Nickelized Sheet

National Sheet Metal Co., Peru, Ill.

## 17136a— Zinc Oxide

**See also Oxide of Zinc**

**American Zinc, Lead & Smelting Co., 120 B'way, New York, & 55 Congress, Boston, Mass.**
**Chrystal Charles B., 13 Cliff, New York** *See adv index at end of book*
Harshaw, Fuller & Godwin Co., Elec. bldg, Cleveland, O.
Seamless Rubber Co., New Haven, Conn.
The National Sales & Trading Co., Cleveland, O.

## 17137—Zinc Plates for Boilers

**American Zinc Products Co., Greencastle, Ind.**
Ball Brothers Glass Mfg. Company, Muncie, Ind.
Hazel Atlas Glass Co., Wheeling, W. Va.
Matthiessen & Hegeler Zinc Co., La Salle, Ill.
Phillips E. & Sons, South Hanover, Mass.
Sandoval Zinc Co., 410 Peoria, Chicago, Ill. *See adv index at end of book*
Smith & McCrorken, Inc., 411 E 18th, New York

## 17137a— Zinc Resinate

Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, Ohio
Scheel Wm. H., 159 Maiden la, New York *See adv index at end of book*

## 17138— Zinc Salts

American Luminous Products Co., Huntington Park, Cal.
Buchanan C. G. Chemical Co. ("Triangle B" Sulphuret, Liver of Sulphur & Potassium Sulphuret), 4650 Baker av, Cincinnati, Ohio
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Thomsen Chemical Co., Munsey bldg, Baltimore, Md.**

## Zinc Shavings

**See Shavings, Zinc**

## 17139— Zinc (Sheet)

American Zinc Products Co., Greencastle, Ind.
Ball Brothers Glass Mfg. Company, Muncie, Ind.
Beer, Sondheimer & Co., Inc. (Selling Agents), 61 Broadway, New York
Hazel Atlas Glass Co., Wheeling, W. Va.
Illinois Zinc Co., Peru, Ill.
**Matthiessen & Hegeler Zinc Co., La Salle, Ill.**
**MERCHANT & EVANS CO.,** Washington av & 21st, Philadelphia, Pa. *See adv index at end of book*
Metal Products Co., Inc., 100 S Jefferson, Chicago, Ill. *See adv index at end of book*


**ZINC**
*SHEETS, SPELTER, ANODES, APPOLO, NICKEL, ZINC*
**Chicago Stock or Mill Shipment**
METAL PRODUCTS CO.
100 South Jefferson Street, Chicago, Ill.


Midwest Brass & Copper Co., Inc., 480 Broome, New York *See adv index at end of book*
National Sheet Metal Co. (Tombac Special Plated & Polished), Peru, Ill.
North American Copper Co., 52 Vanderbilt av, New York
Republic Metalware Co., Buffalo, N. Y.
**SMITH & McCROCKEN, INC.,** 411 E 18th, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

## 17139a— Zinc (Sherardizing)

Grasselli Chemical Co., Guardian bldg, Cleveland, O.
New Jersey Zinc Co., 160 Front, New York
Orr Chemical Co., Newark, N. J.

## 17140— Zinc Specialties

**Bryant Mfg. Co. (Of All Kinds), 456 W Ontario, Chicago, Ill.**
**Bryant Zinc Co. (Of All Kinds), 600 Orleans, Chicago, Ill.**

## 17140a— Zinc Stearate

Garrigues Chas. F. Co., 80 Maiden Lane, New York
Lathrop H. R. & Co., 116 Beekman, New York
Mallinckrodt Chemical Wks., Mallinckrodt & W 2d, St. Louis, Mo.
Merck & Co., 45 Park pl, New York
Meyer J. & Son (Imp.), Phila., Pa.
National Aniline & Chemical Co., 21 Burling Slip, New York
National Oil Products Co., Harrison, N. J.
Sheperd Chemical Co., Beech & Highland, Cincinnati, O.
Stearyte Co. Inc., 312 E 22d, New York
Stresen-Reuter & Hancock, Inc., 122 S Michigan, Chicago, Ill.

## 17140b— Zinc Strips

American Zinc Products Co., Greencastle, Ind.
Hazel Atlas Glass Co., Wheeling, W. Va.
Illinois Zinc Co., Peru, Ill.
New Jersey Zinc Co. (Rolled), 160 Front, New York
United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.

## Zinc Sulphate

**See Sulphate of Zinc**

## 17141— Zinc Sulphide

**American Luminous Products Co. (Phosphorescent), Huntington Park, Cal.**
Fezandie Felix (Imported), 205 Fulton, New York
Katzenbach & Bullock Co., 100 William, New York

## 17142— Zinc (White)

**See also Oxide of Zinc**

French Sam'l H. & Co. (Dealers & Grinders), 4th & Callowhill, Phila., Pa.
Harshaw, Fuller & Goodwin Co., Elec. bldg, Cleveland, O.
**Mineral Point Zinc Co., 140 S Dearborn, Chicago, Ill. Works: Mineral Point, Wis.**
**Nevin T. H. Co., Island & Preble, Pittsburgh, Pa.**
New Jersey Zinc Co. (French Process), 160 Front, New York

## 17143— Zincs (Battery)

Ball Brothers Glass Mfg. Company, Muncie, Ind.
**Beattie Zinc Works Co., Reading, Mass.**
**Brady Brass Co., 170 14th, Jersey City, N. J.**
**Bryant Mfg. Co. (All Patterns), 456 W Ontario, Chicago, Ill.**
Bunnell J. H. & Co., 32 Park pl, New York
**Bryant Zinc Co., 600 Orleans, Chicago, Ill.**
**Edes Mfg. Co., Plymouth, Mass.**
Fox John M. & Co., Portland, Me.
Grasselli Chemical Co. ("Franklin"), Guardian bldg, Cleveland, O.
Illinois Zinc Co., Peru, Ill.
Manhattan Electrical Supply Co., 17 Park pl, New York *See adv index at end of book*
Matthiessen & Hegeler Zinc Co. ("Leclanche" Battery Bars), La Salle, Ill.
Merchant & Evans Co., Washington & 21st av, Philadelphia, Pa. *See adv index at end of book*
National Carbon Co., Madison av, N W & W 17th, Cleveland, O.
Pacific Metal Works, 153 1st, San Francisco, Cal.
Phillips E. & Sons, South Hanover, Mass.
Platt Bros. & Co., Waterbury, Conn.
Railroad Supply Co., 203 S Dearborn, Chicago, Ill.
Samson Elec. Co., 146 Samson, Canton, Mass.
Strong, Carlisle & Hammond Co., 336 Frankfort av N W, Cleveland, O.
Waterbury Battery Co., Waterbury, Conn.
Western Electric Co., 500 S Clinton, Chicago, Ill., & 463 West, New York

## 17144— Zirconia

**FOOTE MINERAL CO.,** 107 N 19th, Phila., Pa.

## 17144a—Zirconium (Metallic)

Foote Mineral Co., 109 19th, Phila., Pa.
Pfanstiehl Co., N. Chicago, Ill.

## 17145— Zobos (Wood)

Bogert & Hopper, Inc., 57 Barclay, New York *See adv index at end of book*
Estes E. B. & Sons, 364 5th av, New York *See adv index at end of book*
**Shalita Bros., 268 South, New York**


**When writing to firms whose names appear in this book please mention**
**HENDRICKS' COMMERCIAL REGISTER.**

# TRADE NAMES

The following is a list of the important Trade Names, Brands, etc., which are shown under the various classifications in Hendricks' Commercial Register with the exception of Automobile Trade Names which will be found on page 61.

This list is included for the purpose of furnishing a Ready Reference for Purchasing Agents and Prospective Buyers to the useful matter contained in the parentheses following many of the names, and which has always been a distinctive feature of the work.

Although no responsibility can be assumed for the information contained herein, every effort has been made to insure its correctness and the publishers would be pleased to receive any information or suggestions which would add to its value.

For kindred classifications, see "Index to Classifications."


TRADE MARKS REGISTERED
Mason, Fenwick & Lawrence
*Patent Lawyers*
Washington, D. C.
**New York, Chicago and Denver**
*Established over half a Century*


**A. adjustable wrenches—Frank Mossberg Co., Attleboro, Mass.**
**A. automobile & car builders' wrenches—Armstrong Bros. Tool Co., 339 N Francisco av, Chicago, Ill.**
**A. cotton twine—Estes Mills, Fall River, Mass.**
A. lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
A. A. insulated wire—A. A. Wire Co., 48 Nesbitt, Newark, N. J.
A. A. paint oils—Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
**A. A. saw clamps—E. C. Atkins & Co., Indianapolis, Ind.**
A. A. 1 tinsel cord—Hy-Sil Mfg. Co., Revere, Mass.
A. B. arc lamps—Adams-Bagnall Electric Co., Platt av, Cleveland, Ohio
**A. B. furniture, metal & stove polish—A. B. Polish Co., 1515 Haddon av, Chicago, Ill.**
**A. B. motor fire engines—American British Mfg. Co., Providence, R. I.**
A. B. BRILLIANT KING—metal & silver polish—A. B. Polish Co., 1515 Haddon av, Chicago, Ill.
**A. B. C. beam clamps—Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.**
**A. B. C. bearing balls—Abbott Ball Co., Elmwood Sta., Hartford, Conn.**
**A. B. C. belt fasteners—Kerr & Co., 114 Liberty, New York**
**A. B. C. boiler compounds—J. H. Parsons, 122 S Michigan av, Chicago, Ill.**
**A. B. C. brushes, bath room mirrors, etc.—Ames, Bonner Co., Toledo, Ohio**
A. B. C. cement coatings—Universal Coatings Corp., 140 Broad, New York
**A. B. C. chain—American Ball Chain Works, 12 Wooster, New York.**
A. B. C. clothes washing machines—Cahn Forster Electric Co., 209 15th, Denver, Colo.
A. B. C. combination & protractor squares—Crookston Tool Co., Crookston, Minn.
**A. B. C. electric washing machines—Luthy & Co., Peoria, Ill.**
**A. B. C. fans—American Blower Co., 1400 Russell, Detroit, Mich.**
**A. B. C. fire hose reels—Cliff & Guibert Co., 460 W. Broadway, New York**
A. B. C. high speed steel—Darwin & Miner, 156 B'way, New York
A. B. C. life rafts—American Balsa Co., Inc., 50 E 42d, New York
A. B. C. pattern boards—C. B. Hewitt & Bros., Inc., 20 Ferry, New York
A. B. C. pipe hangers—Fee & Mason, 81 Beekman, New York City.
**A. B. C. second hand bags—Atlantic Bag Co., 243 Water, New York**
**A. B. C. shoveling & end gate boards—A. B. Clippinger & Son Mfg. Co., Kansas City, Kan.**
A. B. C. waterproofing materials—Universal Coatings Corp., 104 Broad, New York
**A. B. Co. ball bearings—Ahlberg Bearing Co., 2636 Michigan av, Chicago, Ill.**
A. B. RADIANT shoe dressing—A. B. Polish Co., 1515 Haddon av, Chicago, Ill.
A. B. Trumpet automobile horns—Adams-Bagnall Electric Co., Platt av, Cleveland, O.
A. B. WITE EST. shoe cleaner—A. B. Polish Co., 1515 Haddon av, Chicago, Ill. a
**A. C. cut-off couplings, clutch pulleys, variable speed motors—Allis-Chalmers Mfg. Co., Milwaukee, Wis.**
A-C hinges—Arcade Mfg. Co., Freeport, Ill.
**A. C. spark plugs—Champion Ignition Co., Flint, Mich.**
**A. C. Co. cattle stanchions, ensilage cutters—Automatic Carrier Co., Juneau, Wis.**
**A-F coal conveyors—Allis-Chalmers Mfg. Co., Milwaukee, Wis.**
A-F telescopic hoists—Alvey-Ferguson Co., 70 North av, Oakley, Cincinnati, Ohio
A. H. FOX guns—A. H. Fox Gun Co., 4700 N 18th, Phila., Pa.
**A. H. R. bowling balls—American Hard Rubber Co., 9 Mercer, New York**
**A. I. E. foundry riddles—Waterbury Welding Co., Waterbury, Conn.**
**A. J. W. & Co. breast drills—A. J. Wilkinson & Co., 184 Washington, Boston, Mass.**
A. L. Golusha gas producers—Nelson Blower & Furnace Co., L. & Elkins, Boston, Mass.
A. L. S. I. W. O. post caps & bases—A. L. Smith Iron Works, Chelsea, Mass.
**A. M. babbitt metal—Allen-Murphy Co., 125 W. 46th pl, Chicago, Ill.**
A. M. shade holders—Art Metal Mfg. Co., E. 61st & Curtis av, Cleveland, O.
**A. M. B. manganese bronze ingots, etc.—American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.**
**A-M-C insulating compounds—American Mica Co., Newton Lower Falls, Mass.**
**A. M. C. spring calipers & dividers—Athol Machine Co., Athol, Mass.**
A. No. 1 wheat flour—Mennel Milling Co., Toledo, Ohio.
**A. O. C. belt dressing—American Oil Co., 180 So. Water, Providence, R. I.**
A-O-K furniture polish—Ulrich & Co., 363 E. North, Buffalo, N. Y.
**A-1 automobile trunk racks—Sargent & Ham Co., 26 Bowker, Boston, Mass.**
**A-1 cotton plntg. drills—Moline Plow Co., Moline, Ill.**
A-1 fire hose—Empire Tire & Rubber Corp., Trenton, N. J.
A-1 fire hose—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
**A-1 leather kraft paper—Union Paper & Twine Co., 125 St. Clair av, N. W., Cleveland, O.**
A-1 metal polish—Chas. Rath Co., Hedley E. of Richmond, Phila., Pa.
**A. P. enamels—Atlas Paint Co., Nashville, Tenn.**
**A. P. C. centrifugal fans—American Blower Co., 1412 Russell, Detroit, Mich.**
**A. P. M. asbestos protected roofing—Asbestos Protected Metal Co., Beaver Falls, Pa.**

A. P. W. toilet paper holders—A. P. W. Paper Co., Albany, N. Y.
A. R. A. car couplers—McConway & Tonley Co., 48th & A. V. R. R., Pittsburgh, Pa.
A. R. R. C. ball cocks & bath & basin & stench traps—Union Metal Works, Chelsea, Mass.
A. S. & W. electrical testing instruments—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
A. to Z. furniture polish—Alcatraz Co., 3200 Williamsburg av, Richmond, Va.
A-W cements—Asabel Wheeler Co., 58 High, Boston, Mass.
A. W. steel sheets, range boiler steel, floor plates, etc.—Alan Wood Iron & Steel Co., Widener bldg, Phila., Pa.
A. Y. A. sheet packing—Adkins, Young & Allen Co., 561 Wash. blvd., Chicago, Ill.
A.-Z. metal automobile seats—A. Z. Co., 527 W. 56th, New York
A. & B. blasting powder—du Pont deNemours & Co., E. I., Wilmington, Del.
A. & B. gasoline engines—American & British Mfg. Co., Bridgeport, Conn.
A. & E. ore concentrators—Colorado Iron Works Co., Denver, Colo.
A. & J. egg & cream beaters, fruit & vegetable slicers, potato mashers—A. & J. Mfg. Co., Binghamton, N. Y.
A. & W. electric illuminated signs—A. & W. Electric Sign Co., W. 3d & Prospect av, Cleveland, Ohio
AAMCOLOSE dextrine, size starch—C. M. Boley Co., 3722 N. Randolph, Phila., Pa.
ABACOT static discharges—Lord Mfg. Co., 105 W. 40th, New York
ABACUS steel rolling doors & shutters—Kinnear Mfg. Co., 766 Field av, Columbus, Ohio
ABBE grinding & crushing mills—Beach-Russ Co., 216-224 Broadway, New York
ABBE pulverizing, ball & pebble mead, sellman & cage mills—Paul O. Abbe, 30 Broad, New York
ABBE refractometers—Bausch & Lomb Optical Co., Rochester, N. Y.
ABBOTT pipe couplings—Columbus Brass Co., Columbus, Ohio
ABBOTT railjoint plates—Lackawanna Steel Co., Buffalo, N. Y.
ABBOTT steel balls, burnishing machines, tumbling barrels—Abbott Ball Co., Elmwood Station, Hartford, Conn.
ABBOTT valve reseating tools—Abbott Hardware Co., 636 Columbus av, New York
ABBOTT valve & service boxes—N. P. Bowsher Co., South Bend, Ind.
ABCO automobile tire holders—Auto Brass Mfg Co., 56 Friendship, Providence, R. I.
ABELL distance recording meters—Sibley-Pitman Electrical Corp., 190 6th av, New York
ABENAQUE gas compressors, traction engines—Abenaque Machine Works, Westminster Station, Vt.
A-BEST-O electric sad irons, Dover Mfg. Co., Dover, O.
ABINGDON farm wagons & trucks—Abingdon Wagon Co., Abingdon, Ill.
AB-LU-ENT paint & varnish remover—Detroit White Lead Works, 560 E. Milwaukee, Detroit, Mich.
ABNER acetylene gas machines—Krein Mfg. Co., Wapakoneta, Ohio
ABNEY levels—Taylor Instrument Companies, Rochester, N. Y.
ABNEY'S levels—Keuffel & Esser Co., Hoboken, N. J.
ABOLITE enameled steel reflectors—Adams-Bagnall Elec. Co., Platt av, Cleveland, O.
ABORALL canned goods—Otoe Food Products Co., Nebraska City, Nebr.
ABRAM tube brushes—A. W. Chesterton Co., 64 India, Boston, Mass.
ABRAMS boiler flue & tube cleaners—Pilley Flue Brush Co., 604 S 3rd, St. Louis, Mo.
ABRAMS steel wire brushes—F. W. Browne, Farmington, N. H.
ABRAMS tube brush cleaners—Newark Brush & Scraper Co., 266 Fabyan pl, Newark, N. J.
ABRASIVE surface grinders—Abrasive Machine Tool Co., East Providence, R. I.
ABSOLUTE lock-nuts—American Lock Nut Co., People's Gas bldg, Chicago, Ill.
ABSORBIT dustless dust cloths—F. C. Hanson, Southbridge, Mass.
ABSORBO dustless dust cloths—Weil-Ransom Co., 816 Fulton, Chicago, Ill.
ABYSSINIUM carriage top dressing—Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
ACCRUS boiler flue cleaners, compounds, greases, cups, oil engines & tempering oils—International Lubricants Co., 350 N. Clark, Chicago, Ill.
ACCURATE chemical fire engines & fire extinguishers—National Metal Stamping Mfg. Co., 494 Mulberry, Newark, N. J.



ACE BRAND dice, dominoes & poker chips—Ivoryloid Co., 200 5th av, New York
ACETIC suction hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
ACHESON brass fittings—Acheson Mfg. Co., Rankin, Pa.
ACHESON dry battery fillers, lubricating oils & greases Acheson Graphite Co., Niagara Falls, N. Y.
ACIMET acid valves—Cleveland Brass Mfg. Co., 4606 Hamilton, Cleveland, Ohio
ACIPRUF acid proof cements—Chemical Construction Co., Charlotte, N. C.
ACKERMAN automobile wind shields—Jos. N. Smith & Co., 2461 E. Grand blvd., Detroit, Mich.
ACKLEY electric car brakes—National Brake Co., Buffalo, N. Y.
ACME adjustable expanding dies—American Tap & Die Co., Greenfield, Mass.
ACME air valves—James P. Marsh Co., 118 S. Clinton, Chicago, Ill.
ACME air washers—Iroquois Engineering Co., 343 S. Dearborn, Chicago, Ill.
ACME aluminum solder—Universal Fluxine Co., Urbana, Ohio
ACME asbestos pipe coverings & cold water paints—Acme Asbestos Covering & Supply Co., 404 N. Ada, Chicago, Ill.
ACME asparagus bunchers—Johnson Mfg. Co., 103 N. Front, Phila., Pa.
ACME automobile jacks—Spencer's I. S. Sons (Inc.), Guilford, Conn.
ACME back water traps—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
ACME battery switches—Reliable Electric Co., 411 S. Sangamon, Chicago, Ill.
ACME bed & furniture casters, can openers, etc.—Schatz Mfg. Co., Poughkeepsie, N. Y.
ACME binder covers, cattle stanchions, corn binders, grass mowers, sickle grinders, etc.—Acme Harvestering Machine Co., Peoria, Ill.
ACME bleaching powder—B. T. Babbitt, Inc., 15 W. 34th, New York
ACME boiler compounds—Indianapolis Chemical Co., 1444 Madison ave, Indianapolis, Ind.
ACME boiler compounds—Star Oil Co., 348 N. Irving av, Chicago, Ill.
ACME boiler compounds—Warren & Bailey Co., 214 E. 3rd, Los Angeles, Cal.
ACME bolts, scrapers, anchor, clevises, drop forgings, yacht hooks, wheels, winches, calking chisels, boat cleats, shackles, links, etc.—Marine Hardware-Equipment Co., South Portland, Me.
ACME box straps, tin & lead seals, pail clasps, steel mats & stapling wire—Acme Steel Goods Co., 2834 Archer ave., Chicago, Ill.
ACME brake slack adjusters & pipe clamps—Western Railway Equipment Co., Central National Bank bldg., St. Louis, Mo.
ACME buffing compositions—Hanson & Van Winkle Co., 269 Oliver, Newark, N. J.
ACME buffing motors, plate & cutlery polish—Dilg Mfg. & Trading Co., 27 E. 125th, New York
ACME bulb gaskets—Gilbert & Co., Hyattsville, Md.
ACME calendar pads—Southgate Press, 87 Broad, Boston, Mass.
ACME can openers—Goodell Co., Antrim, N. H.
ACME catch basins, cesspools, coal hole covers & sewer inlets—Madison Foundry Co., Cleveland, O.
ACME cement wood fibre plaster—Acme Cement Plaster Co., Frisco bldg., St. Louis, Mo.
ACME chain hoists—Franklin Moore Co., Winsted, Conn.
ACME clod crushers—Duane H. Nash, Millington, N. J.
ACME closet elbows, floor drains, grease traps—Compound Injector & Specialty Co., 419 N. Laramie ave, Chicago, Ill.
ACME closet seats—Wm. S. Emery, 118 E. 28th, New York
ACME coal drills—Pettigrew Foundry Co., Harvey, Ill.
ACME coal tar products—Warren Bros. Co., 142 Berkeley, Boston, Mass.
ACME cobblers' outfits & shoe lasts & stands—Fate-Root-Heath Co., Plymouth, Ohio
ACME coffee roasters—Atsatt Bros., Mattapoisett, Mass.
ACME cold-saw cutting-off machines, hand tapping machines—Hub Machine Welding & Contracting Co., 450 N 12th, Phila., Pa.
ACME cold water paints, asbestos pipe & boiler coverings—Acme Asbestos Covering & Supply Co., 404 N. Ada, Chicago, Ill.
ACME corkboard insulation, cork washers, life preservers—Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
ACME corn hooks—American Fork & Hoe Co., Swetland bldg., Cleveland, O.

**ACME** cotton mops—Estes Mills, Fall River, Mass.
**ACME** cotton rope—Anniston Cordage Co., Anniston, Ala.
**ACME** cultivators—Fairbanks Co., Springfield, Ohio
**ACME** cutting lubricants—Swan & Finch, 165 Broadway, New York
**ACME** diaphragm pumps—W. & B. Douglas, Middletown, Conn.
**ACME** dinner pails—National Enameling & Stamping Co., 411 5th av, New York
**ACME** door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
**ACME** dry batteries—Nungesser Carbon & Battery Works of Natl. Carbon Co., 1170 E. 38th, Cleveland, Ohio
**ACME** duck decoys—Canvass Decoy Co., Union City, Tenn.
**ACME** engine & machine oilers—Wm. Vogel & Bros., 37 S. 9th, Brooklyn, N. Y.
**ACME** expansion reamers—Schellenbach Hunt Tool Co., Murdock bldg, Cincinnati, O.
**ACME** farm wagons & auto truck trailers—Acme Wagon Co., Emigsville, Pa.
**ACME** faucet filters—Seed Filter & Mfg. Co., 73 Franklin, New York
**ACME** fire box locomotive boilers—Titusville Iron Co., Titusville, Pa.
**ACME** fire extinguishers—Missouri Lamp & Mfg. Co., 114 Elm, St. Louis, Mo.
**ACME** floor scraping machines, floor surfacing machines & mitre gauges—Jos. Miotke, 144 Clinton, Milwaukee, Wis.
**ACME** fly traps—Reynolds Wire Co., Dixon, Ill.
**ACME** folding door telephone cabinets—Acme Cabinet Co., 116 W. 32d, New York
**ACME** folding tables—Carron Co., Ludington, Mich.
**ACME** foot grinders—Tri-Angle Mfg. Co., Freeport, Ill.
**ACME** fry pans & clothes line pulleys—New York Stamping Co., N. 11th, Brooklyn, N. Y.
**ACME** gasolene water heaters—Acme Specialty Mfg. Co., Toledo, Ohio
**ACME** gas radiators & gas & oil stove ovens—H. Adler Co., Carnegie, Pa.
**ACME** grapple forks—J. E. Porter Co., Ottawa, Ill.
**ACME** grates—Acme Furnace Equipment Co., 39 Cortlandt, New York
**ACME** hack saw machines—West Haven Mfg. Co., West Haven, Conn.
**ACME** hammock—D. W. Shoyer & Co., 394 Broadway, New York.
**ACME** hand corn planters—Potato Imple. Co., Traverse City, Mich.
**ACME** hand riveting machines—A. C. Williams Co., Ravenna, Ohio.
**ACME** harness snaps—Frazer & Jones Co., Syracuse, N. Y.
**ACME** hose sprinklers—Elkhart Brass Mfg. Co., Elkhart, Ind.
**ACME** hosiery knitting machines—Acme Knitting Machine & Needle Co., Franklin, N. H.
**ACME** hot water & steam heaters—American Radiator Co., 830 S. Michigan ave, Chicago, Ill.
**ACME** ice cream freezers—Acme Freezer Co., 1626 Arch, Phila., Pa.
**ACME** improved plow coulters—Hartman Mfg. Co., Vincennes, Ind.
**ACME** instantaneous water heaters — Instantaneous Water Heating Co., Kalamazoo, Mich.
**ACME** jacks—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
**ACME** kitchen knives—W. G. Browne Mfg. Co., Kingston, N. Y.
**ACME** lamp glass chimneys—Gill Bros. Co., Steubenville, Ohio
**ACME** liquid & paste polish—Acme Polish Co. (Ltd.), 71 12th, Pittsburgh, Pa.
**ACME** low water alarms—Chicago Engineer Supply Co., 68 W. Lake, Chicago, Ill.
**ACME** lubricating oils & greases—A. W. Harris & Co., 17 Battery Place, New York
**ACME** lumber crayons—American Crayon Co., Sandusky, Ohio
**ACME** metal store fronts—Western Builders Supply Co., 135 2nd, San Francisco, Cal.
**ACME** metallic shingles—Messenger & Parks Mfg. Co., Aurora, Ill.
**ACME** neck yoke centers—Pioneer Pole & Shaft Co., Piqua, Ohio
**ACME** nestable culverts—Dominion Metal Product Co., Roanoke, Va.
**ACME** nestable culverts—Florida Metal Products Co., Jacksonville, Fla.
**ACME** oil cans—Dover Stamping & Mfg. Co., Cambridge, Mass.
**ACME** oil cup lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
**ACME** oil filters—Walter L. Flower Co., 307 S. 8th St., St. Louis, Mo.
**ACME** paint & varnish remover—Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
**ACME** paper cutting machines—Child Acme Cutter & Press Co., 184 Summer, Boston, Mass.
**ACME** patent rat & mouse traps—Shann Mfg. Co., Middletown, N. Y.
**ACME** pierced wheels—E. Reed Burns, 27 Jackson, Brooklyn, N. Y.
**ACME** pipe turnbuckles—Marine Hardware Equipment Co., S. Portland, Me.
**ACME** plating barrels—Klauder-Weldon Dyeing Machine Co., Yardley, Pa.
**ACME** pliers & nippers—Higganum Hdw. Co., Higganum, Conn.
**ACME** polished steel shafting—Republic Iron & Steel Co, Youngstown, Ohio
**ACME** portable grain elevators—Fleming & Sons Mfg. Co., Huntville, Mo.
**ACME** potato diggers & planters—Potato Implement Co., Traverse City, Mich.
**ACME** pulverizers—Duane H. Nash, Millington, N. J.
**ACME** radiator shields—W. H. Johnson & Son Co., 330 E. St. Joseph, Indianapolis, Ind.
**ACME** rail braces—Bethlehem Steel Co., South Bethlehem, Pa.
**ACME** rapping plates—H. W. Knight & Son, Seneca Falls, N. Y.
**ACME** reinforcing bar benders—Chicago Builders Specialties Co., Old Colony bldg., Chicago, Ill.
**ACME** removable screw calks—James Reynolds Mfg. Co., New Haven, Conn.
**ACME** resistance wire—Alloy Metal Wire Co., 154 Nassau, New York
**ACME** roof flanges & flashings, pipe clamps & hangers —Acme Mfg. Co., Bangor, Me.
**ACME** row-locks—Wilcox, Crittenden & Co., Inc., Middleton, Conn.
**ACME** rubber sheet packing—Acme Rubber Mfg. Co., Trenton, N. J.
**ACME** safety fuse—du Pont de Nemours & Co., E. I. Wilmington, Del.
**ACME** sash ribbon—Caldwell Mfg. Co., Rochester, N. Y.
**ACME** screw plates & stocks & dies—American Tap & Die Corp., Greenfield, Mass.
**ACME** sewer, tide & back water traps—Boston Brass Co., 135 Bacon, Waltham, Mass.
**ACME** shears & scissors—Acme Shear Co., Bridgeport, Conn.
**ACME** shoveling & end gate boards—Beggs Wagon Co., 1900 Guinotte ave., Kansas City, Mo.
**ACME** shutter hinges, self oiling pulleys—Wrightsville Hardware Co., Wrightsville, Pa.
**ACME** soft center plow steel — Moline Plow Co., Moline, Ill.
**ACME** soil pipe testing plugs—Clark Bros., 1228 Locust, Phila., Pa.
**ACME** spray nozzle—Deming Co., Salem, Ohio
**ACME** steam & hot water heaters—Wm. Bartley & Sons, Bartley, N. J.
**ACME** step ladders—Rich Pump Co., South & Depot, Cincinnati, O.
**ACME** tank heaters—Cedar Rapids Pump Co., Cedar Rapids, Ia.
**ACME** thread gauges—Brown & Sharpe Mfg. Co., Providence, R. I.
**ACME** vacuum heating valves—Acme Engineering Co. 1132 Washington blvd., Chicago, Ill.
**ACME** ventilators—Acme Ventilator Corp., 399 Atlantic av, Boston, Mass.
**ACME** wall mills—Wrightsville Hardware Co., Wrightsville, Pa.
**ACME** weather strips—Robbins Mfg. Co., 1815 N. Central Park ave., Chicago, Ill.
**ACME** windmill regulators—Walker Mfg. Co., Council Bluffs, Ia.
**ACME** wire poultry netting—Eureka Fence Mfg. Co., Richmond, Ind.
**ACME** wood garden hose reels—Cardington Cabinet Co., Cardington, Ohio.
**ACME** woven wire brushes—Thompson-Bonney Co., 18 Henry, Brooklyn, N. Y.
**ACME** HANDY mitre gauges—Jos. Miotke, 259 Lake, Milwaukee, Wis.
**ACME** KING binder attachments—Acme Harvestering Machine Co., Peoria, Ill.
**ACME** QUALITY floor wax polish—Acme White Lead & Color Works, St. Aubin & M. C. R. R., Detroit, Mich.
**ACMETYLE** sanitary flooring—Acme Asbestos Covering & Supply Co., 404 N. Ada, Chicago, Ill.
**ACORN** babbitt metal—A. W. Cadman Mfg. Co., 2816 Smallman, Pittsburgh, Pa.

ACORN belting—Graton & Knight Mfg. Co., Worcester, Mass.
ACORN calcined plaster—Grand Rapids Plaster Co., Grand Rapids, Mich.
ACORN carbureters—Generator Valve Co., 47 Dinsmore pl, Brooklyn, N. Y.
ACORN carriage wheels—Crane & MacMahon, 10 Bridge, New York.
ACORN die heads, spring dies—Greenfield Tap & Die Corp., Greenfield, Mass.
ACORN drill and tool steel—Federal Tool & Alloy Steel Corp., 233 Broadway, New York
ACORN oak flooring—Nashville Hardwood Flooring Co., Nashville, Tenn.
ACORN oil cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, O.
ACORN screen door hinges — Columbian Hardware Co., Cleveland, O.
ACORN stoves—Rathbone, Sard & Co., Albany, N. Y.
ACORN ventilators—Messenger & Parks Mfg. Co., Aurora, Ill.
ACORN water filters—T. Linke, 235 W. 46th, New York.
ACSO magnet steel—Atlas Crucible Steel Co., Dunkirk, N. Y.
ACTINOLITE roof compound—M. W. Powell Co., 140 S. Dearborn, Chicago, Ill.
ACTIVE boiler graphite feeder — Lunkenheimer Co., Beekman & Waverley, Cincinnati, O.
ACTIVE hot air furnaces—Thomas Roberts Stevenson & Co., American & Dauphin, Philadelphia, Pa.
ACTIVE oil & grease cups—H. B. Sherman Mfg. Co., Battle Creek, Mich.
ADAMANT board & wall plaster, wall finish—U S. Gypsum Co., 205 W. Monroe, Chicago, Ill.
ADAMANT brass & bronze castings—Cincinnati Aluminum Casting Co., Norwood, Cincinnati, Ohio
ADAMANT varnish—Mayer & Loewenstein, 164 Water, New York.
ADAMANT window screen cloth—New Jersey Wire Cloth Co., Trenton, N. J.
ADAMANT NO. IXXX white trowel finish—U. S. Gypsum Co., 205 W. Monroe, Chicago, Ill.
ADAMANTEAN wood fillers—O'Brien Varnish Co., South Bend, Ind.
ADAMANTILE mosaic ceramic floor tile—National Mosaic Tile Co., Mobile, Ala.
ADAMANTINE dies & taps—American Tap & Die Co., Greenfield, Mass.
ADAMANTOSE drinking fountains—Jas. B. Clow & Sons, Franklin & Harrison, Chicago, Ill.
ADAMITE packing—Consolidated Packing & Supply, 21 Barclay, New York
ADAMITE steel rolls—Pittsburgh Iron & Steel Foundries Co., Midland, Pa.
ADAMMITE dies—Pittsburgh Iron & Steel Foundries Co., Midland, Pa.
ADAMS paper bags—Adams Bag Co., 1900 Euclid av, Cleveland, O.
ADAMS bone mills—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
ADAMS corn huskers—Leo Rumley Tractor Co., La Porte, Ind.
ADAMS crayon & pencils—D. C. Adams Crayon Co., 121 Market, St. Louis, Mo.
ADAMS equalizers & neck yokes—E. B. Adams & Son, Racine, Wis.
ADAMS gas engines—Advance-Rumely Co., La Porte, Ind.
ADAMS grate bar—Daugherty Foundry Co., Allentown, Pa.
ADAMS grate bar—Edw. Sellers, Lewisburg, Pa.
ADAMS sad iron heaters, stove casters, oval slide vises, damper clips & revolving chimney tops—Adams Co., Dubuque, Ia.
ADAMS seamless drawing tubing—American Tube Works, 10 Oliver, Boston, Mass.
ADAMS snow shovels—B. W. Aldrich & Co., Wallingford, Vt.
ADAMSON rubber mill machinery—Adamson Machine Co., Akron, O.
ADAPTABLE incandescent lamp replacers—McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
ADAPTER power sprayer—Deming Co., Salem, O.
ADAPTI junction boxes—Adapti Mfg. Co., 919 West, Cleveland, Ohio
ADDIE fuse testers—Electric Specialty Co., Cresco, Ia.
ADDIS style wood carving tools—Mack & Co., Rochester, N. Y.
AD-EL-ITE enamels, shingle stains—Adams & Elting Co., 726 W. Washington, Chicago, Ill.
ADEN grab buckets—Advance Engineering Co., Metta av, Cleveland, O.
ADELL automobile jacks—Adell Mfg. Co., Orange, Mass.
AD-EL-LAC wood stains—Adams & Eleting Co., 726 W. Washington, Chicago, Ill.

ADIRONDACK row locks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
ADJUSTAPHONE desk telephone brackets—Galesburg Writing Machine Co., Galesburg, Ill.
ADJUSTO pipe sleeves—Beaton & Corbin Mfg. Co., Southington, Conn.
ADJUSTOGLAS goggles—Strong, Kennard & Nutt Co., 2044 E. 9th, Cleveland, Ohio
ADMIRAL boat anchors—Columbia Steel Co., San Francisco, Cal.
ADMIRAL cotton hose—Acme Rubber Mfg. Co., Trenton, N. J.
ADMIRAL cultivators—J. I. Case Plow Wks, Racine, Wis.
ADMIRAL lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
ADMIRAL oil cup lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
ADMIRAL packing—Mulconroy Co., 54th & Jefferson, Philadelphia, Pa.
ADMIRAL petroleum products—Admiral Petroleum Co., Bessemer bldg, Pittsburgh, Pa.
ADMIRAL rowboat motors—Affiliated Mfrs. Co., 114 Grand, Milwaukee, Wis.
ADMIRAL stockless anchors—Penn Seaboard Steel Corp., Franklin Bank bldg, Phila., Pa.
ADMIRALTY condenser tubing—American Brass Co., Waterbury, Conn.
ADPASCO metallic packing—Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
ADPASCO PERFECTION packing—Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
ADRIAN woven wire fences—Adrian Wire Fence Co., Adrian, Mich.
ADRIANCE binders, harvesters, mowers, sulky hay rakes, reapers—Moline Plow Co., Moline, Ill.
ADRO metal polish—Adro Co., 247 Pearl, New York
ADSCO gauges, pipe receivers, valves and water heaters—American District Steam Co., No. Tonawanda, N. Y.
ADVANCE ensilage cutters, clod crushers, grain weighers, threshers, stockers, separators, corn huskers & compound & traction engines—Leo Rumley Tractor Co., La Porte, Ind.
ADVANCE automatic roller bearing sash operating device—Advance Co., Richmond, Va.
ADVANCE automobile & cushion springs—Jackson Cushion Spring Co., Jackson, Mich.
ADVANCE axle grease, belt dressing, etc.—American Oil Corp., Jackson, Mich.
ADVANCE babbitt metal—U. S. Reduction Co., E. Chicago, Ind.
ADVANCE bean & pea cleaners—J. E. Owens Co., Minneapolis, Minn.
ADVANCE bean & pea cleaners—C. O. Tinkhan, Akron, N. Y.
ADVANCE brushes—Manufacturers Brush Co., 1950 W. 114th, Cleveland, O.
ADVANCE concrete mixers — Lansing Co., Lansing, Mich.
ADVANCE corn & cob mills—Marseilles Works of Deere & Co., East Moline, Ill.
ADVANCE cotton rope—Anniston Cordage Co., Anniston, Ala.
ADVANCE cupel machines, hydro-carbon burners, sample ore grinder—Calkins Co., Los Angeles, Cal.
ADVANCE currycombs—Wisconsin Metal Products Co., Racine, Wis.
ADVANCE door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
ADVANCE ensilage & fodder cutters—Doylestown Agricultural Co., Doylestown, Pa.
ADVANCE feed & hay carriers—Olson Mfg. Co., Albert Lea, Minn.
ADVANCE fertilizer distributors—Bateman Mfg. Co., Grenloch, N. J.
ADVANCE gas engines—Henry, Millard & Henry Co., York, Pa.
ADVANCE gasoline engines—Geo. D. Pohl Mfg. Co., Vernon, N. Y.
ADVANCE ground connection clamps—Geo. Heinemann & Co., 728 Girard av, Philadelphia, Pa.
ADVANCE hame tug plates—Frazer & Jones Co., Syracuse, N. Y.
ADVANCE hose—Empire Tire & Rubber Corp., Trenton, N. J.
ADVANCE lawn mowers—American Lawn Mower Co., Muncie, Ind.
ADVANCE loose leaf devices—Asa L. Shipman's Sons, 100 Chambers, New York
ADVANCE metal polish & Scotch glass tube glasses—Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
ADVANCE paper cutting machines—Challenge Machy. Co., Grand Haven, Mich.

ADVANCE pumps & pumping outfits—Advance Pump & Compressor Co., Flint & Division, Battle Creek, Mich.
ADVANCE pyrometers—Wilson-Maculen Co., 511 E. 145th, New York
ADVANCE resistance wire—Driver Harris Co., Harrison, N. J.
ADVANCE rubber stamps—Consolidated Stamp Mfg. Co., 87 Maiden La., New York
ADVANCE sash operating device—O. J. Dean & Co., Association bldg., Chicago, Ill.
ADVANCE smut treaters—Fosston-Carpenter Co., St. Paul, Minn.
ADVANCE stapling machines—Saranac Machine Co., Benton Harbor, Mich.
ADVANCE traction engines—Advance-Rumely Co., La Porte, Ind.
ADVANCE water filters—T. Linke, 235 W. 46th, New York
ADVANCE woven wire fences—Advance Fence Co., Elgin, Ill.
AEOLUS air pumps—Bridgeport Brass Co., Bridgeport, Conn.
AERIAL hot water radiators—H. B. Smith Co., Westfield, Mass.
AERMORE automobile horns—Fulton Co., 742 75th av, Milwaukee, Wis.
AERMOTOR gas engines, windmills—Aermotor Co., 2500 W. 12th, Chicago, Ill.
AERO air drill hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
AERO cable cars—Fairmont Electric & Mfg. Co., 59th & Woodland, Phila., Pa.
AERO chucks—Hannifin Mfg. Co., 621 S Kolmar av, Chicago, Ill.
AERO lawn mowers—Dille & McGuire Mfg. Co., Richmond, Ind.
AERO lubricating oils & greases—Puritan Oil Co., 1244 W. 70th, Cleveland, Ohio
AERO padlock locks—Sargent & Co., New Haven, Conn.
AEROBOOST siplion ventilators—Paul R. Jordan & Co., 28 S. Meridian, Indianapolis, Ind.
AEROLUX porch shades—Aeroshade Co., Waukesha, Wis.
AERO METAL—aluminum alloys & foundries—Garford Co., Elyria, Ohio.
AERON system air atomizer & brushes & paint spraying equipment—DeVilbiss Mfg. Co., Toledo, Ohio
AEROPLANE rotary ventilators—Paul R. Jordan & Co., 28 S. Meridian, Indianapolis, Ind.
AEROPLANE shock absorbers—Goodyear Tire & Rubber Co., Akron, Ohio
AEROPULL storm band ventilators—Paul R. Jordan & Co., 28 S. Meridian, Indianapolis, Ind.
AEROSPRA compressed air sprayer—Deming Co., Salem, Ohio
AETNA ball seat cocks—Nason Mfg. Co., 71 Fulton, New York
AETNA blasting powder, dynamite, fuse, caps, etc.—Aetna Explosives Co., 165 B'way, New York.
AETNA cement mfrs.—Aetna Portland Cement Co., Union Trust bldg., Detroit, Mich.
AETNA curling iron heaters—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
AETNA grate bars—Richard Thompson & Co., 126 Liberty, New York
AETNA grate bars & shaking grates—Bruce-Macbeth Engine Co., Cleveland, Ohio
AETNA grate bars & shaking grates—Salamander Grate Bar Co., 126 Liberty, New York
AETNA lawn sprinklers, 566 W. Lake, Chicago, Ill.
AETNA third rail insulators—Albert & J. M. Anderson Mfg. Co., 289 A, Boston, Mass.
AFRO-LAC floor finish & wood stains—W. P. Fuller & Co., 301 Mission, San Francisco, Cal.
AGASCO paving pitch—Atlanta Gas Light Co., Atlanta, Ga.
AGASOTE fibre boards—Pantasote Co., 11 Broadway, New York
AGATE KOTE enamels—Armstrong Paint & Varnish Works, 2502 S. Paulina, Chicago, Ill.
AGATHON steel billets—Central Steel Co., Massillon, Ohio
AGATITE wood fibre plaster—American Cement Plaster Co., Lawrence, Kans.
AGOS creamery testers—Vermont Farm Machine Co., Bellows Falls, Vt.
AGRIPPA chain pipe, wrenches, "C" clamps & tool holders—J. H. Williams & Co., 31 Richards, Brooklyn, N. Y.
AGTON suction hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
AHRENS-FOX motor fire engines—Ahrens-Fox Fire Engine Co., Cincinnati, O.
AIKEN hollow handle tool & saw sets—Sargent & Co., New Haven, Cinn.
AIKEN saw sets—P. Lowentraut Mfg. Co., 36 Brenner, Newark, N. J.
AIKEN PATTERN saw sets—Bullock Mfg. Associates, Springfield, Mass.
AIKEN PATTERN saw sets—L. A. Sayre & Co., 332 Mulberry, Newark, N. J.
AIR-ALARM fire alarms—Goldstein Engn'g Co., 45 Maiden la, New York
AIRDRY hand & face electric dryers & towels—Groton Electrical Devices, Inc., Groton, N. Y.
AIR KING padlock locks—Slaymaker Lock Co., Lancaster, Pa.
AIR-O-LITE portable table lamps — Coleman Lamp Co., 120 S, Los Angeles, Cal.
AIR-O-LITE table lamp—Coleman Lamp Co., Wichita, Kans.
AIRTITE refrigerator & cooling rooms—National Refrigerators Co., 827 Koeln av, St. Louis, Mo.
AIR WAY PNUMODE vacuum cleaners—Air Way Co., 1501 W. Bancroft, Toledo, O.
AJAX asbestos brake lining—Asbestos & Rubber Works of America, 58th & Broadway, New York
AJAX automobile trunks—Ajax Trunk & Sample Case Co., 150 W. 18th, New York
AJAX babbitt metal, bearings, ingots, bushings, etc.—Ajax Metal Co., 46 Richmond, Philadelphia, Pa.
AJAX battery motors & motor fans—Kendrick-Davis Co., Lebanon, N. H.
AJAX belt dressing—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
AJAX bow sockets, carriage joints & top irons—Brewer-Titchener Corp., Cortland, N. Y.
AJAX concrete barrows—Sterling Wheelbarrow Co., Milwaukee, Wis.
AJAX diaphragm pumps—W. & B. Douglas, Middletown, Conn.
AJAX door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
AJAX draughting tables—Williams, Brown & Earle, 918 Chestnut, Philadelphia, Pa.
AJAX dredge chains—American Chain Co., Bridgeport, Conn.
AJAX expansion & toggle bolts—Chicago Nut Co., 2513 W. 20th, Chicago, Ill.
AJAX fire brick—Chicago Retort & Fire Brick Co., Ottawa, Ill.
AJAX fire doors—The Kinnear Mfg. Co., Columbus, Ohio
AJAX fire hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
AJAX floor & ceiling plates—W. A. Russell & Co., 63 W. 37th, New York
AJAX fly swatter—Lubbers & Bell Mfg. Co., Clinton, Ia.
AJAX foundry blacking—J. S. McCormick Co., 25th & A. V. R. R., Pittsburgh, Pa.
AJAX galvanized iron range boilers—Walls, Owen & Stambach Co., Phila., Pa.
AJAX hickory handles—Hartwell Handle Co., Harvey, Ill.
AJAX hinged door hangers—Stowell Co., S. Milwaukee, Wis.
AJAX hot air furnaces—Co-Operative Foundry Co., Rochester, N. Y.
AJAX insulator pins & brackets—Diamond Expansion bolt Co., 89 West, New York
AJAX lamp adapters—Central Telephone & Electric Co., 311 N. 11th, St. Louis, Mo.
AJAX leather belting, leather belt oil & leather belt cement—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
AJAX letter drop plates & rust proof mail boxes—Ajax Hardware Mfg. Co., 1100 Military rd, Buffalo, N. Y.
AJAX liquid paste metal polish—Crowell Chemical Co., Beverly, Mass.
AJAX machinists' vises—Bonney Vise & Tool Works, Allentown, Pa.
AJAX packing — Squires & Byrne Rubber Co., San Francisco, Cal.
AJAX paints & impregnating compounds—Sherwin-Williams Co., Cleveland, Ohio
AJAX pole clamps & tree & wall insulators—Line Material Co., South Milwaukee, Wis.
AJAX portable reinforcing bar benders—Steel & Iron Products Co., 1911 Emerson av, Chicago, Ill.
AJAX rocking grate bars & shaking grates—Valley Iron Works, Williamsport, Pa.
AJAX rubber bands—Parker, Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
AJAX rubber bottles—Tyer Rubber Co., Andover, Mass.
AJAX rubber horse shoe pads—Revere Rubber Co., Chelsea, Mass.
AJAX rubber tires—Ajax-Grieb Rubber Co., Trenton, N. J.

AJAX shaking grates—Chas. Robson & Co., 8th & Washington av, Phila., Pa.
AJAX spring hinges—Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
AJAX tinners' snips—Acme Shear Co., Bridgeport, Conn.
AJAX turbine water wheels—Salem Foundry & Machine Works, Salem, Va.
AJAX wood boring machines—Ajax Mfg. Co., Pittsburgh, Pa.
AJAX wood saw rods—Sargent & Co., New Haven, Conn.
AJAX RUST PROOF mail boxes—Ajax Hardware Mfg. Co., 1100 Military rd., Buffalo, N. Y.
AJAX ARMATURE babbitt metal—Ajax Metal Co., 46 Richmond, Philadelphia, Pa.
AJAX BULL babbitt metal—Ajax Metal Co., 46 Richmond, Philadelphia, Pa.
AJAX COPPER HARDENED babbitt metal—Ajax Metal Co., 46 Richmnd, Phila., Pa.
AJAX GENUINE babbitt metal—Ajax Metal Co., 46 Richmond, Phila., Pa.
AJAX MITIFINE babbitt metal—Ajax Metal Co., 46 Richmond, Phila., Pa.
AJAX PLUMBITE babbitt metal—Ajax Metal Co., 46 Richmond, Phila., Pa.
AJAX TINITE babbitt metal—Ajax Metal Co., 46 Richmond, Phila., Pa.
AJEX electric hand massage vibrators—Schunck & Ogg, 235 Canal, New York
AKAR ignition apparatus, spark timers—Akar Ignition Co., 149 W. Berkley, Phila., Pa.
AKBAR steel rolling doors & shutters—Kinnear Mfg. Co., 766 Field av, Columbus, O.
AKINS rail braces—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
AKINS-ROTHWELL mining agitators—Colorado Iron Works Co., Denver, Colo.
AKRO-METAL gaskets—Akron Metallic Gasket Co., 142 N. Union, Akron, Ohio
AKRON chilian mills—Wellman-Seaver-Morgan Co., Cleveland, Ohio
AKRON fertilizer distributors & garden cultivators—Akron Cultivator Co., Akron, Ohio
AKRON lead & copper gaskets, plain & corrugated—Akron Metallic Gasket Co., 142 N. Union, Akron, Ohio
AKRON leather belting—Akron Belting Co., Akron, Ohio
AKRON-WILLIAMS hydraulic press, vulcanizer, tire factory equipment—Williams Foundry & Machine Co., Akron, O.
AKRONITE compressed asbestos gaskets—Akron Metallic Gasket Co., 142 N. Union, Akron, Ohio
ALABAMA belting hose packing—Empire Tire & Rubber Corp., Trenton, N. J
ALABAMA cement mfrs.—Southern Cement Co., Birmingham, Ala.
ALABAMA corrugated rim ventilators—Decatur Cornice & Roofing Co., New Decatur, Ala.
ALABAMA cotton rope—Anniston Cordage Co., Anniston, Ala.
ALABASTER cement & wood fibre plaster, wall finish—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
ALABASTINE wall finish—Alabastine Co., Grand Rapids, Mich.
ALADDIN aluminum & enamel hollow ware—Cleveland Metal Products Co., 7609 Platt av. & C. & P. tracks, Cleveland, Ohio
ALADDIN metal polish—Hearsey, Willis Co., 408 N. Capitol av, Indianapolis, Ind.
ALADDIN stoves—Burdett Smith & Co., Troy, N. Y.
ALADIN electric gas lighters—Universal Novelty Works, 164 5th av., New York
ALASKA ice chippers & ice cream freezers—Alaska Freezer Co., Winchendon, Mass.
ALASKAN ice & refrigerating machines—Armstrong Machinery Co., Spokane, Wash.
ALASKAN water coolers—A. C. Kraft, 323 W. Lake, Chicago, Ill.
ALBA globes & shades—Macbeth-Evans Glass Co., Chamber of Commerce bldg, Pittsburgh, Pa.
ALBA cotton softeners—E. F. Houghton & Co., 240 W. Somerset, Phila., Pa.
ALBA sash cords—Estes Mills, Fall River, Mass.
ALBA whiting—Industrial Chemical Co., 200 5th av, New York
ALBA-LUX white light wall covering—Patton Paint Co., Milwaukee, Wis.
ALBANY concrete mixers—Albany Hardware Specialty Mfg. Co., Albany, Wis.
ALBANY grate bars, anchors & smokeless furnaces—Thacher Propeller & Foundry Corp., Albany, N. Y.
ALBANY paint & varnish remover—Albany Chemical Co., Albany, N. Y.



ALBANY tool steel—Ludlum Steel Co., Watervliet, N. Y.
ALBANY track jacks—L. J. Kelly Mfg. Co., Albany, N. Y.
ALBERMARLE bath tubs—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
ALBEMARLE cotton rope—Anniston Cordage Co., Anniston, Ala.
ALBERGER feed water heaters—Alberger Heater Co., Buffalo, N. Y.
ALBERGER-CURTIS steam turbines—Alberger Pump & Condenser Co., 140 Cedar, New York
ALBERT battery motors—Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, Ohio
ALBION disc harrows—Gap Mfg. Co., Albion, Mich.
ALBION high speed steel—Hobson-Houghton & Co., 82 Beekman, New York
ALBION spring tooth harrows—Gales Mfg. Co., Albion, Mich.
ALBO shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
ALBREE pneumatic riveters—Chester B. Albree Iron Works, N. S. Pittsburgh, Pa.
ALBRIGHT closet seats & plumbers wood work—Albright Mfg. Co., Rural Hall, N. C.
ALBRIGHT harness hooks, mane combs—Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
ALBRO worm gears—Albro-Clem Elevator Co., D. & Erie, Phila., Pa.
ALCA lime—Woodville Lime Products Co., 622 Madison av, Toledo, O.
ALCAID oil—Texas Company, 17 Battery pl., New York.
ALCO acetylene gas burners, lava, lava insulators & gas burner tips—American Lava Corp., Chattanooga, Tenn.
ALCOVIE carriage top dressing—F. Matt & Co., 491 Washington, Newark, N. J.
ALDEN ring packing—H. Johnson Co., ft Gates av, Jersey City, N. J.
ALDERMAN adjustable wrenches — Frank Mossberg Co., Attleboro, Mass.
ALDERNEY butter colors—Heller & Merz Co., 506 Hudson, New York
ALDINE lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
ALDON car replacers, portable rail saws—Aldon Co., 3338 W. Ravenswood av, Chicago, Ill.
ALDRICH electric pumps—Aldrich Pump Co., Allentown, Pa.
ALDRICH tinware—Aldrich Mfg. Co., Buffalo, N. Y.
ALENCO rubber cement, wire belt lace, leather belting, water hose, spiral packing, fire extinguisher—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
ALEPH oil—Texas Company, 17 Battery pl., New York
ALERT safety valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
ALEXALL insulating tape—Boston Woven Hose & Rubber Co., Cambridge, Mass.
ALEXANDER gauge cocks & water gauges—Marion Machine, Foundry & Supply Co., Marion, Ind.
ALFORD vises—Millers Falls Co., 28 Warren, New York
ALGOL oil—Texas Company, 17 Battery pl, New York
ALGONKIN cover paper—Hampden Glazed Paper & Card Co., Holyoke, Mass.
ALHPA rubber tubing—Parker-Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
ALICE pig iron—Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
ALIGATOR mechanics aprons—Alligator Oil Clothing Co., Gravois & Bingham, St. Louis, Mo.
ALITE stair nosing—Zenite Metal Co., Indianapolis, Ind.
ALKACENE waterproof portland cement—Zibell Damp Resisting Paint Co., 191 Culver av, Jersey City, N. J.
ALKALI PROOF WALL SIZE brick paints—Glidden Co., Madison av & Berea rd, Cleveland, O.
ALLAN babbitt metal, bearings, engine pistons—A. Allan & Son, 6th & Bergen, Harrison, N. J.
ALL ANGLE scrubbing brushes—Milford Mfg. Co., Mansfield, Ohio
ALL DAY lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
ALLEGHENY corrugated iron—Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.
ALLEGHENY packing—Anchor Packing Co., Lafayette bldg, Phila., Pa.
ALLEN air hardening & high speed steel—Edgar Allen & Co., 718 W. Lake, Chicago, Ill.
ALLEN base balls—national Base Ball Mfg. Co.,
ALLEN commutator compounds, soldering flux, paste, salts & stick—L. B. Allen Co., 4519 N. Lincoln, Chicago, Ill.

**ALLEN** drill machines—Chas. G. Allen Co., Barre, Mass.
**ALLEN** hose clamps—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
**ALLEN** ice & refrigerating machines—H. B. Roelker, 41 Maiden Lane, New York
**ALLEN** lock nuts & washers—National Steel Products Co., Marquette bldg, Cleveland, Ohio
**ALLEN** machinists' rules—Lufkin Rule Co., Saginaw, Mich.
ALLEN safety set screws—Allen Mfg. Co., 133 Sheldon, Hartford, Conn.
**ALLEN** sheep shearing machines—Oscar Goes & Co., 1823 W. Lake, Chicago, Ill.
ALLEN spray nozzle—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
**ALLEN** steam & hot water heaters—Wm. Allen & Sons Co., Worcester, Mass.
**ALLEN** tire covers & tire pressure gauges—Allen Auto Specialty Co., 16 W. 61st, New York
**ALLEN** wrenches—Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.
**ALLEN** BOX TYPE box wrenches—Allen Wrench & Tool Co., 189 Public, Providence, R. I.
**ALLEN-BRADLEY** crane controllers, motor starters, switches—Allen-Bradley Co., 286 Greenfield av, Milwaukee, Wis.
**ALLEN-RANDALL** bolt clippers — H. K. Porter, Everett, Mass.
**ALLEN RICHARDSON** valves—H. G. Hammett, Troy, N. Y.
**ALLEN UNIVERSAL** socket wrenches—Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.
ALLEN'S galvanized steel hose clamp—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
ALLEN'S metal polish—Western Robe Mills, 162 N. Desplaines, Chicago, Ill.
ALLEN'S IMPERIAL high speed steel—Edgar Allen & Co., 718 W. Lake, Chicago, Ill.
**ALLENTOWN** cement—Allentown Portland Cement Co., Allentown, Pa.
**ALLIANCE** trench braces—Dunn Mfg. Co., Preble av, N. S. Pittsburgh, Pa.
**ALLIGATOR** belt lacing—Flexible Steel Lacing Co., 522 S. Clinton, Chicago, Ill.
**ALLIGATOR** check protectors—S. I. Atwater, 101 Lafayette, New York
**ALLIGATOR** heavy shears — A. Garrison Foundry Co., 901 Bingham, Pittsburgh, Pa.
**ALLIGATOR** packing—H. Johnson Co., ft Gates av, Jersey City, N. J.
ALLIGATOR waterproof belting — Missouri Belting Co., Grand & La Salle, St. Louis, Mo.
**ALLIGATOR** wire connectors—Fairmount Electric & Mfg. Co., 59th & Woodland av, Phila., Pa.
**ALL-IN-ONE** door check & spring—Bayer Gardner-Himes Co., 101 Park av, New York
**ALL-IN-ONE** ground connection clamps—Fairmount Electric & Mfg. Co., 59th & Woodland, Phila., Pa.
**ALLIS** engines—Allis-Chalmers Mfg. Co., Milwaukee, Wis.
**ALLITH** door hangers, fire door fittings, latches, carriers & auto fire locks—Allith-Prouty Co., Danville, Ill.
ALL-NITE-LITE transformers—General Electric Co., Schenectady, N. Y.
**ALL PURPOSE** traction engines—Advance-Rumely Co., La Porte, Ind.
ALLRIGHT fishing reels—General Phonograph Corp., 25 W. 45th, New York
ALLSTEEL metallic bank fixtures—General Fireproofing Co., Youngstown, Ohio.
**ALL-STEEL** mitre boxes—Goodell-Pratt Co., Greenfield, Mass.
**ALL WHITE** bath room fixtures—Bay Ridge Specialty Co., 5613 First av, Brooklyn, N. Y.
**ALLWON** buffer sets—U. S. Specialty Co., Middletown, Conn.
**ALL WORK** tractors—Electric Wheel Co., Station D, Quincy, Ill.
**ALMETAL** clothes washing machines—Almetal Mfg. Co., 7227 Manchester av, St. Louis, Mo.
ALMETL fire, tin clad, sheet metal covered doors & shutters—Merchant & Evans Co., Washington av & 21st, Phila., Pa.
**ALMOND** drill chucks, flexible metallic tubing, countershafts—T. R. Almond Mfg. Co., Ashburnham, Mass.
**ALMOND FLEXO** household lamps, desk lights—T. R. Almond Mfg. Co., Ashburnham, Mass.
**ALOL** carriage top dressing—Viscol Co., Cambridge, Mass.
**ALOMO** cotton planing drills—Racine-Sattley Co., Springfield, Ill.
**ALPHA** automobile specialties, rubber specialties—Parker-Stearns & Co., 286 Sheffield, Brooklyn, N. Y.
ALPHA belting—American Belting Co.'s, Texas, Md.
**ALPHA** cement—Alpha Portland Cement Co., Easton, Pa.
**ALPHA** cement—Alpha Portland Cement Co., Alpha, N. J.
**ALPHA** conductors' whistles—Riley-Klotz Mfg. Co., 17 Mulberry, Newark, N. J.
**ALPHA** cotton mops—Estes Mills, Fall River, Mass.
ALPHA cutting lubricants—Swan & Finch Co., 165 B'way, New York
**ALPHA** force feed lubricators, hand pumps, oil pump lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
**ALPHA** photographic paper—G. Cramer Dry Plate Co., Shenandoah & Lemp avs., St. Louis, Mo.
ALPINA ventilators—Milwaukee Corrugating Co., Milwaukee, Wis.
**ALPINE** electric sad irons—H. J. Alperin Co., 720 Euclid av, Cleveland, Ohio.
**ALPINE** feed cutters—Jos. Dick Mfg. Co., Canton, Ohio
ALPINE tooth picks—E. B. Estes & Sons, 364 5th av, New York
**ALPINE** wax oil furniture polish & dust absorbing floor oils, etc.—Samuel Lewis, 73 Barclay, New York
**ALSEN** cement—Alsen's American Portland Cement Works, 45 B'way, New York, & Alsen, N. Y.
AL SIO fire brick & cement—Chas. V. Hoffman Co., Inc., 95 Liberty, New York
**ALSOP** boll extractors—Alsop Process Co., St. Louis, Mo.
ALSTEEL nail hammers, bottom pin extractors, picks & tool kits—Boker Cutlery & Hardware Co., 101 Duane, New York
**ALSTEEL** tire saving automobile jacks & waste baling presses—Alsteel Mfg. Co., Battle Creek, Mich.
**ALSTON'S** seamless drawing tubing—American Tube Works, 10 Oliver, Boston, Mass.
**ALSTON'S** spring handle currycombs—Weber & Kirch Mfg. Co., Keokuk, Ia.
ALTAIR oil—Texas Company, 17 Battery pl., New York
**ALTICK** telephone cabinet work—C. H. Brownell, Peru, Ind.
**ALUMINA-Soapalite** soap powders—Electric Smelting & Aluminum Co., Lockport, N. Y.
ALUMINITE fire brick—Stowe-Fuller Co., Rockfeller bldg., Cleveland, O.
ALUMINO & ELECTRIC oil stoves & heaters—Novelty Mfg. Co., Jackson, Mich.
**ALUMINUM** clock mfrs.—Aluminum Container Corp., Fulton, N. Y.
ALUMINUM paint—Berry Bros., Detroit, Mich.
**ALUSTRIUM** enamel gold paints—Devoe & Raynolds Co., 101 Fulton, New York
ALUVIA fertilizer—Fertile Chemical Co., E. 4th & Prospect, Cleveland, O.
**ALVORD** shears & scissors—Atlas Shear Co., Bridgeport, Conn.
**ALWAYS** cold valve handles—H. A. Matthews Mfg. Co., Seymour, Conn.
ALWAYS-READY overhead washers & fire extinguishers—Gaylord Sanitary Mfg. Co., El Dorado, Kan.
**ALWAYS READY** pipe wrenches—Bonney Vise & Tool Works, Allentown, Pa.
ALWAYS RELIABLE alcohol torches, gasoline & kerosene, gasoline blast furnaces—Otto Bernz, 17-37 Ashland, Newark, N. J.
ALWITE white metal alloy—Silvel Metal Mfg. Co., 21 E. 40th, New York
AMALCO paints—Amalgamated Paint Co., Pier 11, North River, New York
AMALGAMATED paints—Amalgamated Paint Co., Pier 11, North River, New York
**AMALIE** belt dressing, greases, oils, paints—L. Sonneborn Sons, 262 Pearl, New York
**AMANCO** concrete mixers, clothes washing machines, corn & cob mills, gasoline engines, pumping jacks —Associated Mfrs. Co., Waterloo, Ia.
AMATEUR fishing reels—General Phonograph Corp., 25 W. 45th, New York
**AMATITE** ready roofing—Barrett Co., 17 Battery pl, New York
AMAX mineral rubber—American Wax Co., 10 High, Boston, Mass.
**AMAZON** belting, hose & packing—Empire Tire & Rubber Corp., Trenton, N. J.
**AMAZON** cotton hose—Mechanical Rubber Co., 73 Reade, New York.
AMAZON packing—New York Belting & Packing Co., 91 Chambers, New York
**AMAZON** rubber roofing—Barrett Co., 17 Battery pl, New York
AMBCO bronze metal bearings—American Manganese Bronze Co., Rhawn & Hegerman, Phila., Pa.

AMBER incandescent gas mantles—Welsbach Co., Gloucester City, N. J.
AMBERZO vegetable oil soap—Columbia Refining Co., 90 West, New York
AMBESCO brake lining & packing—American Asbestos Co., Norristown, Pa.
AMBEST metallic packing—Eureka Packing Co., 76 Murray, New York
AMBROSE piston packing—Ambrose Mach. Co., 254 Eagle, Brooklyn, N. Y.
AMERICA alarm clocks—Western Clock Co., La Salle, Ill.
AMERICA ensilage cutters—Wilder-Strong Implement Co., Monroe, Mich.
AMERICA incandescent gas mantles—American Gas Machine Co., Albert Lea, Minn.
AMERICA sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
AMERICA telephone switchboards—American Electric Co., 6401 State, Chicago, Ill.
AMERICA water closet tanks—Blairville Enameled Ware Co., Blairsville, Pa.
AMERICAN acid hose—American Metal Hose Co., Waterbury, Conn.
AMERICAN adding machines — American Can Co., 120 Broadway, New York
AMERICAN air operated chucks, milling mach. vises —Am. Pneumatic Chuck Co., 9 S. Clinton, Chicago, Ill.
AMERICAN air valves, steam & hot water heaters—Pierce, Butler & Pierce Mfg. Corp., 437 E 162nd, New York
AMERICAN apron bead—Sharon Steel Hoop Co., Sharon, Pa.
AMERICAN asphalt crushers—American Pulverizer Co., 32nd & Ridge, East St. Louis, Ill.
AMERICAN balanced valves—American Balance Valve Co., Jersey Shore, Pa.
AMERICAN bath cocks & traps—American Sanitary Mfg. Co., Abingdon, Ill.
AMERICAN belt cements—Hudson Belting Co., 3 Eaton pl, Worcester, Mass.
AMERICAN belt dressing—American Steam Packing Co., 165 High, Boston, Mass.
AMERICAN belting—American Belting Co.'s, Texas. Md.
AMERICAN belting—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
AMERICAN bilge pumps—American Cement Machine Co., Keokuk, Ia.
AMERICAN bow separators—Chas. Weiss & Son, 4715 Cottage Grove av, Chicago, Ill.
AMERICAN brass balls & ball & thrust bearings—American Ball Co., 115 Clifford, Providence, R. I.
AMERICAN bread mixers—Roseland Can & Specialty Co., Rockford, Ill.
AMERICAN bread & pastry boards—Imperial Mfg. Co., Cambridge, Ohio
AMERICAN burial cases—Mead-Suydam Co., Park av & N 13th, Newark, N. J.
AMERICAN butter printing & cutting machines—D. H. Burrell & Co., Little Falls, N. Y.
AMERICAN can openers—N. R. Streeter & Co., Rochester, N. Y.
AMERICAN carbon paper—H. M. Storms Co., 11 Vandewater, New York
AMERICAN carpet nails—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
AMERICAN carriage top dressing—Weiss Polish Works, 216 S. Winchester av, Chicago, Ill.
AMERICAN cement roofing tile—Am. Cement Tile Mfg. Co., Oliver bldg., Pittsburgh, Pa.
AMERICAN centrifugal pumps—American Well Works, 112 N. B'way, Aurora, Ill.
AMERICAN clay machinery—American Clay Machinery Co., Bucyrus, O.
AMERICAN closet elbows & legs—American Sanitary Mfg. Co., Abingdon, Ill.
AMERICAN clover bunchers—American Buncher Mfg. Co., Oliver & Harding, Indianapolis, Ind.
AMERICAN coil switches & induction coils—American Coil Co., Foxboro, Mass.
AMERICAN concrete forms—American Metal Form Co., 343 S. Dearborn, Chicago, Ill.
AMERICAN concrete reinforcing materials—Am. System of Reinforcing, 10 S La Salle, Chicago, Ill.
AMERICAN contractors' plow & road scrapers—American Steel Scraper Co., Sidney, O.
AMERICAN cordage & manila rope—St. Louis Cordage Mills, 1715 S 11th, St. Louis, Mo.
AMERICAN cordage & twine—Am. Mills Co., Atlanta, Ga
AMERICAN corn planters—Sheffield Mfg. Co., Burr Oak, Mich.
AMERICAN corn cob & feed grinding mills—Appleton Mfg. Co., Batavia, Ill.



AMERICAN corner beads—Youngstown Pressed Steel Co., Warren, O.
AMERICAN crayons—American Crayon Co., Sandusky, O.
AMERICAN cushion packing—National Mfg. & Engineering Co., 1539 Rase, Phila., Pa.
AMERICAN disc meters — Buffalo Meter Co., 2921 Main, Buffalo, N. Y.
AMERICAN dormant scales—American Scale Co., Kansas City, Mo.
AMERICAN drafting tables, blue print filing cabinets, parallel rulers or automatic T squares, drafting room equipment—American Drafting Furniture Co., 129 Mill, Rochester, N. Y.
AMERICAN drill grinders—La Salle Machine Tool Co., La Salle, Ill.
AMERICAN dry batteries—American Carbon & Battery Works of National Carbon Co., Inc., East St. Louis, Ill.
AMERICAN dry earth closets—American Warming & Ventilating Co., Elmira, N. Y.
AMERICAN electric heaters—American Electrical Heater Co., Burroughs & Woodward, Detroit, Mich.
AMERICAN electric vacuum cleaners, sweepers & clothes washing machines—Wise McClung Mfg. Co,. New Phila., Ohio
AMERICAN electric washing machines—Horton Mfg. Co., Fort Wayne, Ind.
AMERICAN electrolytic rectifiers—American Battery Co., 1132 Fulton, Chicago, Ill.
AMERICAN elevators—American Elevator & Machine Co., Louisville, Ky.
AMERICAN emery wheel dressers—William Williams, Jr., New Britain, Conn.
AMERICAN emery wheel dressers—Browne & Dowd Mfg. Co., Meriden, Conn.
AMERICAN enameled steel conduits—American Conduit Mfg. Co., Keystone bldg, Pittsburgh, Pa.
AMERICAN farm gates—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
AMERICAN feed cookers—Kelly Foundry & Machine Co., Goshen, Ind.
AMERICAN feed water filters & purifiers—American-Water Softener Co., 10th & Chestnut, Phila., Pa.
AMERICAN files—Nicholson File Co., Providence, R. I.
AMERICAN fire pots—American Brass & Copper Co., 138 Lafayette, New York
AMERICAN flexible metallic hose & tubing—American Metal Hose Co., Waterbury, Conn.
AMERICAN floor thimbles—American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
AMERICAN flue cutters—F. D. Redington Co., 112 S. Sangamon, Chicago, Ill.
AMERICAN fluting machines & tobacco counter cutters—North Bros. Mfg. Co., Lehigh av & American, Phila., Pa.
AMERICAN fodder cutters—Wilder-Strong Implement Co., Monroe, Mich.
AMERICAN food choppers—American Cutlery Co., 764 Mather, Chicago, Ill.
AMERICAN fruit evaporators—Edw. B. Fahrney, Waynesboro, Pa.
AMERICAN gang saw edgers, saw mill dogs—American Sawmill Machinery Co., Hackettstown, N. J.
AMERICAN garden barrows—Puffer-Hubbard Mfg. Co.. 32nd av & S. 26th, Minneapolis, Minn.
AMERICAN gas & gasoline lamps, gas machines—American Gas Machine Co., Albert Lea, Minn.
AMERICAN gasoline blow torches—Henry W. Peabody & Co., 17 State, New York
AMERICAN gauge cocks, globe valves & feed water filters—American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
AMERICAN grass hooks—Knickerbocker Mfg. Co., Belleville, N. J.
AMERICAN grease—O. F. Zurn Co., Broadway & Lehigh av, Phila., Pa.
AMERICAN green granite—Chas. Clements, Boston, Mass.
AMERICAN ground connection clamps—American Metal Works, Stenton & Rockland, Phila., Pa.
AMERICAN gut strings—American Gut String Mfg. Co., 5415 S. Ashland av, Chicago, Ill.
AMERICAN horse nails—Ausable Horse Nail Co., Keeseville, N. Y.
AMERICAN hospital stretchers—James H. Channon Mfg. Co., 227 W. Erie, Chicago, Ill.
AMERICAN hot air clothes dryers—Domestic Laundry Equipment Corp., 224 W 26th, New York
AMERICAN hydrants—H. F. Neumeyer & Son, Macungie, Pa.
AMERICAN incandescent electric lamps—American Lamp Works of G. E. Co., Central Falls, R. I.

**AMERICAN** lath mills & bolters, log hauls, log turners, lumber trimmers — American Sawmill Machinery Co., Hackettstown, N. J.
**AMERICAN** lawn dryers—A. E. Olmstead, Orwell, N. Y.
**AMERICAN** leather link belting mfrs.—Chas. A. Schieren & Co., 30 Ferry, New York.
**AMERICAN** levels—Edward Helb, Railroad, Pa.
**AMERICAN** limestone—Tompkins Kiel Marble Co., 505 5th av, New York
**AMERICAN** liquid polish—Harvey Chemical Co., Lafayette, Ind.
**AMERICAN** locomotive valves—American Balance Valve Co., Jersey Shore, Pa.
**AMERICAN** log loaders, railroad ditching machines —American Hoists & Derrick Co., St. Paul, Minn.
**AMERICAN** logging tools—American Logging Tool Co., Evart, Mich.
**AMERICAN** loose pulley oilers—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
**AMERICAN** lubricating oils & greases—Wm. P. Miller Co., 2316 S. Wabash av, Chicago, Ill.
**AMERICAN** lunch boxes—Reading Saddle & Mfg. Co., Reading, Pa.
**AMERICAN** marine paints—Gardiner Paint Co., 258 Broadway, New York
**AMERICAN** massage vibrators—Southern Electric Co., 1100 Pine, St. Louis, Mo.
**AMERICAN** meat slicers—Am. Slicing Machine Co., 209 S. State, Chicago, Ill.
**AMERICAN** metal lath—Penn Metal Ceiling & Roofing Co., 23d & Hamilton, Phila., Pa.
**AMERICAN** milling machines—American Milling Machine Co., Cincinnati, O.
**AMERICAN** oak flooring—American Column & Lumber Co., St. Albans, W. Va.
**AMERICAN** oil cabinets & gasoline filters—American Oil Pump & Tank Co., Findlay & Dalton, Cincinnati, Ohio
**AMERICAN** oil filters—Burt Mfg. Co., 40 Main, Akron, Ohio
**AMERICAN** oil transformers—American Transformer Co., 178-182 Emmet, Newark, N. J.
**AMERICAN** packing—La Favorite Rubber Mfg. Co., Hawthorne, N. J.
**AMERICAN** paper folding machines—American Folding Machine Co., Warren, O.
**AMERICAN** pedometers—American Pedometer Co., New Haven, Conn.
**AMERICAN** pioneer pressed steel shaft hangers—Standard Pressed Steel Co., 20th & Indiana, Phila., Pa.
**AMERICAN** piston rings—American Piston Ring Co., 704 S. 11th, Newark, N. J.
**AMERICAN** plaster boards—American Cement Plaster Co., Lawrence, Kans.
**AMERICAN** pneumatic signal—American Safety Lamp & Mine Supply Co., Scranton, Pa.
**AMERICAN** pneumatic yoke riveters—Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
**AMERICAN** pole steps—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
**AMERICAN** portable grain elevators—King & Hamilton Co., Ottawa, Ill.
**AMERICAN** radiators—American Radiator Co., 820 S Michigan av, Chicago, Ill.
**AMERICAN** rail loaders—United Supply & Mfg. Co., 332 S. Michigan, Chicago, Ill.
**AMERICAN** railroad paper—Wm. Mann Co., 529 Market, Phila., Pa.
**AMERICAN** revolving screens, rock crushers—American Pulverizer Co., 32d & Ridge, East St. Louis, Ill.
**AMERICAN** rope—American Mfg. Co., West & Noble, Brooklyn, N. Y.
**AMERICAN** sash pulleys—Grant Pulley & Hardware Co., 101 Park av, New York
**AMERICAN** scales—Beckman Bros. Des Moines, Ia.
**AMERICAN** screen door catches—Burgess & Norton Mfg. Co., Geneva, Ill.
**AMERICAN** self-oiling hangers—American Tool & Machine Co., 10 High, Boston, Mass.
**AMERICAN** sickle edge knives—Ney Mfg. Co., Canton, Ohio
**AMERICAN** speedometers—American Ever Ready Works, Thompson av, Long Island City, N. Y.
**AMERICAN** spelter—American Zinc, Lead & Smelting Co., 120 Broadway, New York
**AMERICAN** stay bolts—American Flexible Bolt Co., Union Bank bldg, Pittsburgh, Pa.
**AMERICAN** steam traps—American District Steam Co., North Tonawanda, N. Y.
**AMERICAN** steel bins—American Culvert Co., Albert Lea, Minn.
**AMERICAN** steel pulleys—American Pulley Co., 114 S. Clinton, Chicago, Ill.
**AMERICAN** steel split pulleys—American Machy. Co., 103 W. Water, Milwaukee, Wis.
**AMERICAN** steel wool & shavings & abrasives—Am. Steel Wool Mfg. Co., 451 Greenwich, New York
**AMERICAN** stove pipe dampers—Griswold Mfg. Co., Erie, Pa.
**AMERICAN** telephones & apparatus—American Electric Co., 6401 S. State, Chicago, Ill.
**AMERICAN** testing meters—Buffalo Meter Co., 290 Terrace, Buffalo, N. Y.
**AMERICAN** tire & axle shrinkers—Champion Blower & Forge Co., Lancaster, Pa.
**AMERICAN** titelock metal shingles—Milwaukee Corrugating Co., Milwaukee, Wis.
**AMERICAN** track switches—United States Electric Signal Co., West Newton, Mass.
**AMERICAN** typewriter ribbons—H. M. Storms Co., 11 Vandewater, New York
**AMERICAN** UNDERWRITERS hose—Boston Belting Corp., 84 Linden Park, Boston, Mass.
**AMERICAN** unions—Henry B. Pancoast Co., 950 N Front, Phila., Pa.
**AMERICAN** valve discs—National Mfg. & Engineering Co., 1537 Race, Phila, Pa.
**AMERICAN** vegetable cutters—Athol Machine Co., Athol, Mass.
**AMERICAN** water meters—Buffalo Meter Co., 290 Terrace, Buffalo, N. Y.
**AMERICAN** weldless sash chains—American Chain Co., Inc., Bridgeport, Conn.
**AMERICAN** water motors—American Water Motor Co., Columbus, Ohio
**AMERICAN** wire lock washers—Hobbs Mfg. Co., Worcester, Mass.
**AMERICAN** wrought steel pulleys—Strong, Carlisle & Hammond Co., 336 Frankfort av N. W., Cleveland, Ohio
**AMERICAN** ACE pocket knives—N. J. Cutlery Co., 19th av & 16th, Newark, N. J.
**AMERICAN** AMSTER planimeters—American Steam Gauge & Valve Mg. Co., 208 Camden, Boston, Mass.
**AMERICAN** AUTOMATIC dormant scales—American Automatic Co., 448 Huffman av, Dayton, O.
**AMERICAN** BALL automatic marine steam engine—Bound Brook Engine & Mfg. Co., 1425 Chestnut, Philadelphia, Pa.
**AMERICAN** BEAUTY electric sad irons & grilles—American Electric Heater Co., Burroughs & Woodward, Detroit, Mich.
**AMERICAN** BEAUTY gas stoves & radiators—American Beauty Stove Co., Erie, Pa.
**AMERICAN** BEAUTY wall mills—Wrightsville Hardware Co., Wrightsville, Pa.
**AMERICAN** BOND automatic scales—American Machinery Co., 330 N. 12th, Phila., Pa.
**AMERICAN** CROSSLEY gas engines—Worthington Pump & Machy. Corp., 115 B'way, New York
**AMERICAN** FLUX brazing—American Alloys Co., American bldg, Baltimore, Md.
**AMERICAN** GRIP comealongs—Mathias Klein & Sons, 3200 Belmore av, Chicago, Ill.
**AMERICAN** IDEAL float valves & steam traps—American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
**AMERICAN** INGOT IRON billets, conductor pipe, iron roofing & road culverts—Am. Rolling Mill Co., Middletown, Ohio
**AMERICAN** KING hammer handles—American Handle Co., Jonesboro, Ark.
**AMERICAN** KITCHEN FRIEND kitchen sets—American Cutlery Co., 764 Mather, Chicago, Ill.
**AMERICAN** QUEEN electric sadirons—Satisfaction Guaranteed Corp., 659 Fulton, Chicago, Ill.
**AMERICAN** SEAL paints, cements, polishes & putty —Wm. Connors Paint Mfg. Co., Troy, N. Y.
**AMERICAN** STANDARD feed water heaters—Whitlock Coil Pipe Co., Hartford, Conn.
**AMERICAN** SWEDO low phosphorus melting bars—Samuel Frank, Harrison bldg, Phila., Pa.
**AMERICAN** THOMPSON IMPROVED gas indicators—American Steam, Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
**AMERICAN** UNIVERSAL governors, pump & pressure regulators—American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
**AMERICAN** WADSWORTH sand blast machines—Am. Foundry Equipt. Co., 52 Vanderbilt av, New York
**AMERICANAX** axes—American Axe & Tool Co., Glassport, Pa.
**AMERICORE** rubber covered wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
**AMERITE** rubber covered wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
**AMES** bench lathes, milling machines, drilling machines, chucks, dial gauges—B. C. Ames Co., North Station, Waltham, Mass.

AMES hollow augers—Jas. Swan Co., Seymour, Conn.
AMES locomotive sanders—American Safety Lamp & Mine Supply Co., Scranton, Pa.
AMES truck units—Ames Motor Car Co., Owensboro, Ky.
AMES ALLOY metallic sheet packing—U. S. Indestructible Gasket Co., Church & Fulton, New York
AMES UNA-FLOW steam engines, Ames Iron Wks., Oswego, N. Y.
AMESBURY trolley wheels—Stuart, Howland Co., 234 Congress, Boston, Mass.
AMHERST gas stoves, ranges & hot air furnaces—Buffalo Co-Operative Stove Co., Buffalo, N. Y.
AMICABLE marble—Georgia Marble Co., Tate, Ga.
AMICO kitchen utensils—Ammidon & Co., 31 S. Frederick, Baltimore, Md.
AMICSITE asphaltic concrete road compounds—Amies Road Co., Easton, Pa.
AMILSCO cordage & twine—American Mills Co., Atlanta, Ga.
AM McINNES marine paints—Gardiner Paint Co., 258 Broadway, New York
AMMONIA packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
AMOILCO belt dressing & lubricating oils & greases—American Oil Corp., Jackson, Mich.
AMPERE canvas belting—Victor Balata & Textile Belting Co., 38 Murray, New York
AMPHI automobile tire trunks—Welch & Suthergreen Co., Fitchburg, Mass.
AMPINCO lock-nuts & washers, plumbers' specialties, safety pins—American Pin Co., Waterbury, Conn.
AMPRO electric bells—Keil, Francis & Son, 401 E. 163d, New York
AMS can making & sheet metal working machinery & presses—Max Ams Machine Co., 101 Park av, New York.
AMSABOCA autographic registers—American Sales Book Co., Ltd., Elmira, N. Y.
AMSCO dredging & excavating buckets, chains, castings, grinding rolls, mining screens, car wheels, two-part teeth—American Manganese Steel Co., 332 S. Michigan av, Chicago, Ill.
AMSLER gas producers, pulverized coal burning equipment & reversing valves—Amsler-Morton Co., Farmers Bank bldg, Pittsburgh, Pa.
ANACONDA lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
ANAGLYPTA-IE—substitute for plaster ornamental ceilings—W. H. S. Lloyd Co., 105 W. 40th, New York.
ANCHOR asphalt roofing—Warren Chemical & Mfg. Co,. 17 Battery pl, New York
ANCHOR auto truck trailers—Anchor Top & Body Co., C. H. & D. Ry., nr Gest, Cincinnati, O.
ANCHOR belt lacing—Kayser Tanning Co., 3914 N. Broadway, St. Louis, Mo.
ANCHOR bolting cloth—R. L. Latimer & Co., 24 N. Front, Phila., Pa.
ANCHOR carbon black—L. Martin Co., 81 Fulton, New York
ANCHOR carriage axles, spring—Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
ANCHOR curtain rods—Jamestown Curtain Rod Co., Jamestown, N. Y.
ANCHOR cutting & drilling componds, lubricating oils & greases, metal polish—Anchor Oil & Chemical Co., Cleveland, Ohio
ANCHOR door bells—Bradley & Farnham, Middlefield, Conn.
ANCHOR dry colors & fillers—C. K. Williams & Co., Easton, Pa.
ANCHOR fences, gates & posts—Anchor Post Iron Wks., 167 B'way, New York
ANCHOR gas ranges & heaters—Anchor Stove & Range Co., New Albany, Ind.
ANCHOR glass bottles & jars—Norfolk Glass Mfg. Co., Norfolk, Va.
ANCHOR guard rail clamps—American Guard Rail Fastener Co., Real Estate Trust bldg, Phila., Pa.
ANCHOR gummed tape—Metal Specialties Mfg. Co., 338 N. Kenzie av, Chicago, Ill.
ANCHOR hatchets, adze, & boys' broad & hunters axes—Fayette R. Plumb, Inc., Tucker & James, Frankford, Phila., Pa.
ANCHOR hoisting engines—Superior Iron Works Co., Superior, Wis.
ANCHOR insecticides—Leggett & Bro., 301 Pearl, New York
ANCHOR linoleum—Germania Importing Co., 41 Union sq., New York
ANCHOR linseed oil & cake—Ankeney Linseed Oil Mfg. Co., Des Moines, Ia.
ANCHOR metal polish—Hoffman Paint & Varnish Co., Waters av, Boston, Mass.
ANCHOR oxide of zinc—Paul Uhlich & Co., 11 Cliff, New York
ANCHOR paint—Irvin Jewell & Vinson Co., Dayton, Ohio
ANCHOR picture hooks—Buffalo-Dehn Co., 70 W. Chippewa, Buffalo, N. Y.
ANCHOR printing inks—Jaenecke-Ault Co., Newark, N. J.
ANCHOR rubber cements—National Rubber & Specialties Co., Cincinnati, Ohio
ANCHOR rubber hose—National India Rubber Co., Bristol, R. I.
ANCHOR rubber tile—Mercer Rubber Co., Trenton, N. J.
ANCHOR hardware, saddlery & wire buckles—North & Judd Mfg. Co., New Britain, Conn.
ANCHOR safety fuse—du Pont (E. I.) de Nemours & Co., Wilmington, Del.
ANCHOR sap sprouts—Franklinville Canning Co., Franklinville, N. Y.
ANCHOR sealing machines—Metal Specialties Mfg. Co., 338 N. Kenzie av, Chicago, Ill.
ANCHOR seals—Keystone Seal & Press Co., 30 Main, Brooklyn, N. Y.
ANCHOR sink brushes—Philip Fogerty & Co., 49 Wyona, Brooklyn, N. Y.
ANCHOR skylights—E. Van Noorden & Co., 100 Magazine, Boston, Mass.
ANCHOR soldering flux—Garden City Laboratory, 2455 Archer av, Chicago, Ill.
ANCHOR spark plugs—Szel Import & Export Co., 359 Broadway, New York
ANCHOR steel barrels, tanks, ventilators—Meurer Steel Barrel Co., Inc., 23 W. 43d, New York, N. Y.
ANCHOR ventilator—Geo. C. Meurer Co., 22 Clay, Brooklyn, N. Y.
ANCHOR welding compounds—Cortland Specialty Co., Cortland, N. Y.
ANCHOR BRAND bridle bits, buckles, breast chains, breeching & hame clips, cockeyes, carriage fasteners, hooks, loops, pad screws, rests, rings, rosettes, scrapers, screws, slides, snaps, spurs, swivels, terrets, toggles & trimmings—hardware—North & Judd Mfg. Co., New Britain, Conn.
ANCHOR BRAND clothes wringers—Lovell Mfg. Co., Erie, Pa.
ANCHOR BRAND colors, ochres, oxide of iron, powdered asbestos, terra alba & Venetian reds—C. K. Williams & Co., Easton, Pa.
ANCHOR BRAND pails, dry measures, wood tubs—Richmond Cedar Works, Fulton, Richmond, Va.
ANDERSON adjustable electric fixtures, lamp & light holder—Franklin Specialty Mfg. Co., 710 Eddy, Providence, R. I.
ANDERSON air and steam traps, fertilizer expellers, fitters, dryers, oil presses, separators—V. D. Anderson Co., W. 96th, Cleveland, Ohio
ANDERSON boiler stop valves, pressure reducing valves, plug cocks—Golden-Anderson Valve Specialty Co., Fulton bldg, Pittsburgh, Pa.
ANDERSON draft gear—Waugh Draft Gear Co., People's Gas bldg, Chicago, Ill.
ANDERSON drop forgings—Anderson Forge & Machine Co., Detroit, Mich.
ANDERSON emery, wet & wood working tool grinders—Worcester Pattern & Model Co., Worcester, Mass.
ANDERSON floor scraping machines—Triple "A" Machine Co., 4125 Ravenswood av, Chicago, Ill.
ANDERSON gasoline engines—Dice Machine Co., Anderson, Ind.
ANDERSON hose couplings, hose nozzles—G. A. Anderson Mfg. Co., Bush & Russell, Baltimore, Md.
ANDERSON lighting rods—Anderson Mfg. Co., Des Moines, Ia.
ANDERSON milling cutters, die forming, muzzling & tapping machines—Anderson Die Machine Co., 544 Iraniston av, Bridgeport, Conn.
ANDERSON pipe couplings—Chapman Valve Mfg. Co., Indian Orchard, Mass.
ANDERSON steam traps—Standard Steam Specialty Co., 542 W. Broadway, New York
ANDERSON switch stands—American Valve & Meter Co., Cincinnati, Ohio
ANDERSON time switches & battery charging plugs—Albert & J. M. Anderson Mfg. Co., 289 A, Boston, Mass.
ANDERSON traveling cranes—Lane Mfg. Co., Montpelier, Vt.
ANDERSON water heaters—Anderson-McCutcheon Co., Peekskill, N. Y.
ANDERSON worm gear rings—Anderson Rolled Gear Co., Berea rd & L. S. & M. S. Ry., Cleveland, Ohio
ANDERSON-BEVAN car derailers—General Railway Signal Co., Rochester, N. Y.
ANDERSON LEADER wagon skeins—American Skein & Foundry Co., Racine, Wis.

ANDES stoves—Phillips & Clark Stove Co., Geneva, N. Y.
ANDREWS hot air furnaces, steam & hot water heaters, safety valves, thermostats, sewage disposal plants, etc.—Andrews Heating Co., 2529 University av S. E., Minneapolis, Minn.
ANDREWS meter boxes—Modern Iron Works, Quincy, Ill.
ANDROCK can openers, flue stops, garment hangers, toasters—Andrews Wire & Iron Works, Rockford, Ill.
ANDRUS dry brick press machines—Industrial Supply Co., Keokuk, Ia.
ANGELL elevator safety devices—Angell Elevator Lock Co., 370 Atlantic av, Boston, Mass.
ANGER'S PERFECT cake fillers—Sargent & Co., New Haven, Conn.
ANGLE fire hose reels—Wirt & Knox Mfg. Co., 23rd & York, Phila., Pa.
ANGLE ice cream freezers—Angle Mfg. Co., 110 W. 40th, New York
ANGLE wind shields—H. J. Russell, Worcester, Mass.
ANGLEROD brake beams—Damascus Brake Beam Co., London rd & Nickel Plate, Cleveland, Ohio
ANGLE STEM foundry chaplets—Combined Supply & Equipment Co., 766 Grant, Buffalo, N. Y.
ANHYDROUS waterproof belting—Chas. L. Ireson, 221 High, Boston, Mass.
ANIMALOIL belt dressing—Animal Oil Co., Ontario, nr Delaware river, Phila., Pa.
ANKORITE gaskets, packing, pump valves & valve disc—Anchor Packing Co., Lafayette bldg., Philadelphia, Pa.
ANKYRA anchor expansion & toggle bolts—Ankyra Mfg. Co., Wayne Jct., Phila., Pa.
ANN ARBOR baling presses & fodder cutters—Ann Arbor Machine Co., Ann Arbor, Mich.
ANNEX lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
ANNISTON cotton rope—Anniston Cordage Co., Anniston, Ala.
ANNISTON HYATT mine & ore cars—Anniston Steel Co., Anniston, Ala.
ANNUNCIPHONE telephone switchboards—Electric Goods Mfg. Co., Canton, Mass.
ANOSKY adze—Am. Axe & Tool Co., Glassport, Pa.
ANSONIA finger nail clippers—H. C. Cook Co., 100-120 Jewett, Ansonia, Conn.
ANTAKWA colorless waterproofing & floor oil dipping paints—Antakwa Co., 133 W. Washington, Chicago, Ill.
ANTEX round boxes and fancy baskets—Aunett Box Co., East Jeffrey, N. Y.
ANTHONY woven wire fences—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
ANTI-AQUA damp resisting paints & waterproofing materials—Detroit Graphite Co., 10-12th, Detroit, Mich.
ANTI-CARBON lubricating oils & greases—American Oil Corp., Jackson, Mich.
ANTICLOG brass cleanouts & cesspools—Watertite Drain & Scupper Co., 351 Lexington av, New York
ANTI-CORROSIVE lubricating oils & greases—E. H. Kellogg & Co., 243 South, New York
ANTI-DAMP waterproofing materials—Anti-Stick Co., Westerville, Ohio
ANTI-DUST sweeping compounds—Anti-Dust Chemical Co., Denver, Colo.
ANTI-DUST sweeping compounds—Day, Bergwell Co., 289 E. Water, Milwaukee, Wis.
ANTI-DUST sweeping compounds—Peabody Anti-Dust Co., Peabody, Mass.
ANTI-EXPLO automobile mufflers—Gemco Mfg. Co., Milwaukee, Wis.
ANTIFORMIN disinfectants—American Antiformin Co., 322 9th, Brooklyn, N. Y.
ANTI-FREEZING fire hydrants—Macungie Brass & Mfg. Co., Macungie, Pa.
ANTI-FRICTION engine, dynamo & turbine oils—E. H. Kellogg & Co., 243 South, New York
ANTI-HYDRO waterproofing company—F. M. Hausling, 9 Orchard, Newark, N. J.
ANTI-KLOG spray pumps—Illinois Metals Co., 2426 W. 22nd, Chicago, Ill.
ANTI-LEAK pipe joint cements—J. R. & H. J. Bostwick, Clifton Springs, N. Y.
ANTI-PANIC chain door fasteners—Racine Iron & Wire Wks, Racine, Wis.
ANTI-PANIC (BOLLES) entrance-door locks & exit-door fastenings—Wm. P. Bolles, P. O. Box 600 M, Milwaukee, Wis.
ANTI-PLUVIUS cornices & skylights—G. Drouve Co., 40 Tulip, Bridgeport, Conn.
ANTIQUE CLUB writing paper—W. B. Oglesby Paper Co., Middletown, Ohio
ANTI-SAG screen door braces—F. Edw. Snyder, Massillon, Ohio
ANTI-SCREW MIDGET push buttons—Francis Keil & Son, 401 E. 163rd, New York
ANTISEPTINE wood preservatives, wood & shingle stains—American Wood Preserving Co., 1351 N. Branch, Chicago, Ill.
ANTISEPTOL liquid soap & liquid soap dispensers Antiseptol Liquid Soap Co., 564 W. Randolph, Chicago, Ill.
ANTI-SLIP belt dressing—Geo. Callahan & Co., 218 Front, New York
ANTI-SLIP ice creepers—Reading Saddle & Mfg. Co., Reading, Pa.
ANTI-SLIP pulley dressing—Fansher Bros., Dayton, Ohio
ANTI-THERMO dental grinding wheels—Wm. Brady & Co., 1911 Park av, New York.
ANTI-WHALEBONE whips—Featherbone Whip Co., Westfield, Mass.
ANTI-WOOD push buttons—Francis Keil & Son, 401 E. 163rd, New York
ANTLER surgical elastic hosiery—W. H. Horn & Bro., 451 N. 3rd, Phila., Pa.
ANTLERS enameled blotting paper—Wrenn Paper Co., Middletown, Ohio
ANVIL bread, butchers', carving & kitchen knives, cork screws, nut crackers & picks—Meriden Cutlery Co., Meriden, Conn.
ANVIL tackle blocks—Western Block Co., Lockport, N. Y.
ANYANGLE industrial lighting fixtures—Miller Saw Trimmer Co., Point bldg., Pittsburgh, Pa.
APCO oil gauges—Auto Parts Co., 702 Eddy, Providence, R. I.
APEX bath fittings—F. M. Dubois & Co., 247 9th av, New York
APEX belt dressing & belt lacing—W. H. Salisbury & Co., 308 N. Madison, Chicago, Ill.
APEX bread toasters—A. T. Knowlson Co., 99 Congress, Detroit, Mich.
APEX carbon paper & typewriter ribbons—Union Ribbon & Carbon Co., 67 Laurel, Phila., Pa.
APEX cement plaster—Acme Cement Plaster Co., Frisco bldg, St. Louis, Mo.
APEX chrome leather belting—Industrial Requirements Co., 136 Chestnut, Phila., Pa.
APEX flour sieves—Roseland Can & Specialty Co., Rockford, Ill.
APEX hack saw blades—American Saw & Mfg. Co., 69 Boylston, Springfield, Mass.
APEX hot air furnaces—Youngstown Furnace Co., Youngstown, Ohio
APEX liquid soap dispensers, band punches, bench stops, nail pullers, saw sets, box openers, seal presses—Chas. Morrill, 100 Lafayette, New York
APEX paint & varnish removers—Berry Bros., Detroit, Mich.
APEX pipe cutting & threading machines—Merrell Mfg. Co., 278 Curtis, Toledo, Ohio
APEX roofing paints—Richmond Bros., 616 Main, Cincinnati, Ohio
APEX rubber belting—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
APEX steel fence posts—Janesville Barb Wire Co., Janesville, Wis.
APEX POLISHINE metal polish—A. D. Millers' Sons Co., Columbus & Preble, Pittsburgh, Pa.
APOLLO automobile horns—Automobile Supply Mfg. Co., 80 B'way, Brooklyn, N. Y.
APOLLO galvanized steel sheet—American Sheet & Tin Plate Co., Frick bldg., Pittsburgh, Pa.
APOLLO gas igniters—Apollo Magneto Corp., Kingston, N. Y.
APOLLO grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
APOLLO kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
APOLLO KEYSTONE galvanized steel—American Sheet & Tin Plate Co., Frick bldg, Pittsburgh, Pa.
APOLLO medical batteries—Manhattan Electrical Supply Co., 17 Park pl, New York
APOLLO rubber roofing—Rubber Roofing Mfg. Co., 5 Cortlandt, New York
APPERLY feeds—Geo. S. Harwood & Son, Exchange bldg, Boston, Mass.
APPLE parers—Reading Hardware Co., Reading, Pa.
APPLETON agricultural implements—Appleton Mfg. Co., Batavia, Ill.
APPLETON butcher blocks—Appleton Wood Products Co., Appleton, Wis.
APPLETON hay carriers—Appleton Hay Tool Co., Appleton, Wis.
APPLETON outlet & switch boxes, conduit fittings, lock nuts—Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
APPLETON porch furniture & toys—Appleton Toy & Furniture Co., Appleton, Wis.

APPLETON-GOODHUE corn huskers—Appleton Mfg. Co., Batavia, Ill.
**APPLETON'S washer cutters—Sargent & Company, New Haven, Conn.**
**APPOLLO stoves—Buckwalter Stove Co., Royersford, Pa.**
AQUA belting—Shultz Belting Co., Fourth & Barton, St. Louis, Mo.
AQUA electric water heaters—Aqua Electric Heater Co., Bridgeport, Conn.
AQUABAR concrete hardeners & waterproofing materials—Aquabar Co., 844 Widener bl, Phila., Pa.
**AQUADAG graphite lubricants—Acheson Graphite Co., Niagara Falls, N. Y.**
AQUADAM waterproofing materials—H. W. Johns-Manville Co., Madison av & 41st, New York
**AQUA JACK spray pumps—W. & B. Douglas, Middletown, Conn.**
**AQUALENE cutting oils—Crescent Oil Co., 50 Church, New York**
**AQUALITE fire & weatherproof paints—Columbia Refining Co., 90 West, New York**
**AQUAMARINE belting—American Belting & Tanning Co., 135 Oliver, Boston, Mass.**
**AQUA-NIT waterproofing materials—Jamestown Paint & Varnish Co., Jamestown, Pa.**
**AQUAPULT bucket spray pumps—W. & B. Douglas, Middletown, Conn.**
**AQUEDUCT wire glass—Pennsylvania Wire Glass Co., Pennsylvania bldg., Phila., Pa.**
**ARABIAN BRAND asbestos brake linings—Rosendale-Reddaway Belting & Hose Co., Newark, N. J.**
**ARC LAMP hanger boards—Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.**
**ARC SPRING currycombs—Decker Mfg. Co., Keokuk, Ia.**
**ARCADE cuspidors, foot scrapers, nut crackers & picks, hinges, screw drivers—Arcade Mfg. Co., Freeport, Ill.**
**ARCADE files—Nicholson File Co., Providence, R. I.**
ARCADIA cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
ARCADIA rubber belting—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
**ARCADIAN ceiling hooks—Arcade Mfg. Co., Freeport, Ill.**
**ARCHBUTT-DEELEY water softening & purifying apparatus—Leigh & Butler, 232 Summer, Boston, Mass.**
**ARCH COLONEL golf balls—St. Mungo Mfg. Co., 121 Sylvan av, Newark, N. J.**
ARCHER grey inner automobile tubes & fabric tire covers—Archer Tire & Rubber Co., 711 15th av, N. E., Minneapolis, Minn.
**ARCO boilers & temperature regulators—American Radiator Co., 820 S. Michigan av, Chicago, Ill.**
ARCO padlocks—Slaymaker Lock Co., Lancaster, Pa.
**"ARCO RAYS" paint—Arco Co., Euclid av & E. 65th, Cleveland, Ohio**
**ARCO refrigerators—Arlington Refrigerator Co., Arlington, Vt.**
ARCO WAND vacuum cleaners—American Radiator Co., 820 S. Michigan av, Chicago, Ill.
**ARCTIC chloride of calcium—Pomeroy Salt Assn. Co., Pomeroy, Ohio**
ARCTIC coal tongs, ice tongs, fruit presses, sad iron heaters, handles & stands, stove trimmings, toilet paper holders, quilt frame damps & fireplace furnishings—Fanner Mfg. Co., Brookside Pk., Cleveland, Ohio
**ARCTIC explosives—(E. I.) du Pont de Nemours & Co., Wilmington, Del.**
**ARCTIC ice cream freezers—White Mountain Freezer Co., Nashua, N. H.**
**ARCTIC lawn swings—Ohio Rake Co., Dayton, Ohio**
ARCTIC locomotive crown bearings—More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
**ARCTIC lubricating oils & greases—Standard Oil Co. of N. Y., 555 W. 25th, New York**
ARCTIC sight feed lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, O.
**ARDEE sash locks—Dayton Mfg. Co., Dayton, Ohio**
**AREOLES stoves—Birmingham Stove & Range Co., Birmingham, Ala.**
**AREX ventilators — Arex Original Siphonage Ventilators, Conway bldg, Chicago, Ill.**
**ARGAM quebracho extracts—A. Klipstein & Co., 644 Greenwich, New York**
ARGENTINE polished plate glass—Bache Semon & Co., 636 Greenwich, New York
ARGO high speed steel—John Illingworth Steel Co., Franklin, Pa.
**ARGO photographic paper—Defender Photo Supply Co., Rochester, N. Y.**
**ARGO CULINARY vegetable oils & laundry starch—Corn Products Refining Co., 17 Battery pl, New York**
**ARGOS padlocks—Sargent & Co., New Haven, Conn.**
**ARGUS lightning arresters—Foote, Pierson & Co., 160 Duane, New York**
**ARGUTO oilless bearings—Arguto Oilless Bearing Co., Wayne Junction, Phila., Pa.**
**ARIEL hot air furnaces—Enterprise Foundry Co., Rochester, N. Y.**
ARIES oil—Texas Company, 17 Battery pl, New York
ARIN window ventilators—Arex Co., Conway bldg, Chicago, Ill.
**ARISTO photo-engraving arc lamps—Western Electric Co., 463 West, New York**
**ARISTO photo engraving arc lamps—Eastman Kodak Co., Rochester, N. Y.**
**ARISTOS COPPERWELD copper clad steel wire welding rods—Steel & Wire Co., 30 Church, New York**
**ARK high speed steel—Wm. Jessop & Sons, Inc., 91 John, New York**
**ARK padlocks—Slaymaker Lock Co., Lancaster, Pa.**
ARKANSAS harrows—Southern Plow Co., Columbus, Ga.
**ARKLESS miscellaneous electric fuses—Economy Fuse & Mfg. Co., Greenview av at Diversy Parkway, Chicago, Ill.**
**ARLINGTON barrel spray pumps—W. & B. Douglas, Middletown, Conn.**
**ARLINGTON blotting paper—Eaton Dikeman Co., Lee, Mass.**
ARLINGTON lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
**ARLINGTON MILLS degras—W. L. Montgomery & Co., 10 High, Boston, Mass.**
**ARLINGTON stoves—Chilson Furnace Co., Mansfield, Mass.**
ARM & HAMMER leather belting—W. D. Allen Co., 566 W. Lake, Chicago, Ill.
**ARMADA packing—Schultz Patent Rubber Co., Phila., Pa.**
ARMCO electrical & armature steel sheets rolling mills, alloy steel, etc.—Am. Rolling Mill Co., Middletown, Ohio
ARMCO iron flumes—Hardesty Mfg. Co., Denver, Colo.
ARMCO sheet metal culverts—Maryland Culvert & Metal Co., Munsey bldg, Baltimore, Md.
ARMCO welding & copper clad steel wire—Page Steel & Wire Co., 30 Church, New York
ARMCO welding rods—Ohio Electrolytic Oxygen Co., 942 Kenyon av, Cincinnati, Ohio
**ARMINIUS sulphur ores—Grasselli Chemical Co., Arminius Mines, Mineral, Va.**
**ARMOR CLAD filing cabinets—Armorclad Mfg. Co., Canton, Ohio**
ARMORDUCT interior conduits—Garland Mfg. Co., 1st National Bank bldg, Pittsburgh, Pa.
**ARMOUR kitchen saws—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.**
ARMSTRONG electric table stoves—Standard Stamping Co., Huntington, W. Va.
**ARMSTRONG elevator signals—Elevator Supplies Co., Hoboken, N. J.**
ARMSTRONG linoleum—Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
**ARMSTRONG pattern adjustable stocks—U. S. Brubaker & Bros., Millersburg, Pa.**
**ARMSTRONG pipe cutters, vises, wrenches, nipple holders, threading machines—Armstrong Mfg. Co., 278 Knowlton, Bridgeport, Conn.**
**ARMSTRONG tool holders, boring, cutting-off, pipe threading tools, lathe dogs, ratchet drills & drilling machine vises—Armstrong Bros. Tool Co., 339 N. Francisco av, Chicago, Ill.**
**ARMSTRONG well drilling machinery—Armstrong Mfg. Co., Waterloo, Ia.**
**ARMSTRONG PATTERN pipe threading dies—Reed Mfg. Co., Erie, Pa.**
**ARMSTRONG pipe vises—Oswego Tool Co., Oswego, N. Y.**
**ARMY glue—Standard Glue Co., 350 N. Holliday, Baltimore, Md.**
ARMY padlock locks—W. S. Lock & Hdwe. Co., Columbia, Pa.
ARMY & NAVY metal polish—Grady Mfg. Co., 250 Ely av, Astoria, N. Y.
**ARNO belting, rubber hose & brake lining—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio.**
**ARNOLD carbide candles—Wm. Ainsworth & Sons, Denver, Colo.**
**ARNOLD clam shell buckets—Quintard Iron Works Co., 742 E. 12th, New York**
ARNOLD electric massage vibrators—Arnold Elec. Co., Racine, Wis.
**ARNOLD ice creepers—Ray Hubbell & Co., Northville, N. Y.**
**ARNOLD stove pipe dampers—Arnold Damper (Inc.) Goshen, Ind.**

ARNOLD valve grinders, hand power drills, air & tire pumps, portable drilling machines—J. N. Lapointe Co., New London, Conn.
ARNOLD'S draughting inks—Tower Mfg. & Novelty Co., 326 Broadway, New York
ARNOTT pile drivers' hammers—Union Iron Works, Hoboken, N. J.
AROLINEUM—Wood preservative—Protexol Corp., 41 Barclay, New York
ARR-AN-SEE boiler compound—Rodgers & Collins Co., Pontiac bldg, St. Louis, Mo.
AROOSTOOKAXE axes—Dunn Edge Tool Co., Oakland, Me.
ARRAS cream separators—Arras Cream Separator Co., Bluffton, Ohio
ARROLOCK sockets—Arrow Electric Co., Hartford, Conn.
ARROW aluminum solder—Lester Co., Fayetteville, N. Y.
ARROW ball wicking—R. Bishop Mfg. Co., 157 W. Sixth, South Boston, Mass.
ARROW boat oars—Bayless Mfg. Co., Memphis, Tenn.
ARROW boiler compounds—Arrow Boiler Compound Co., Commonwealth Trust bldg, St. Louis, Mo.
ARROW cable stringing trolleys—Central Telephone & Elec. Co., 310 N. 11th, St. Louis, Mo.
ARROW chain link belting—Link Chain Co., Williamsport, Pa.
ARROW electric motors, generators & transformers—Arrow Mfg. Co., 618 Broadway, Toledo, Ohio
ARROW electric plug cut outs, lamp holders, rosettes & switches—Arrow Electric Co., Hartford, Conn.
ARROW files—Troy File Works, Troy, N. Y.
ARROW fire extinguishers—M. L. Snyder & Son, 223 Church, Philadelphia, Pa.
ARROW fire hose—Empire Tire & Rubber Corp., Trenton, N. J.
ARROW hay knives, mops, wood handles—Erie City Mfg. Co., Erie, Pa.
ARROW leather belting, flax packing—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
ARROW packing—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
ARROW shade cloth—Columbia Mills, Inc., 225 5th av, New York
ARROW spark plugs—Reflex Ignition Co., 1708 Payne av, Cleveland, O.
ARROW steel tool—John A. Crowley Co., 120 Liberty, New York
ARROW switches, lamp sockets, etc—Arrow Electric Co., Hartford, Conn.
ARROW BRAND rulers—Westcott Jewell Co., Seneca Falls, N. Y.
ARROWHEAD reclaimed rubber—U. S. Rubber Reclaiming Works, 42d st bldg, New York
ARROWLOCK electric sanitary flooring—David E. Kennedy, Inc., 62 W 14th, New York
ARROW TWENTY electric lamp sockets—Arrow Electric Co., Hartford, Conn.
ART grease cup lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
ARTCRETE flower pots—Hall Concrete Products Co., Grassland, Pa.
ARTEMPO perforated music rolls—Bennett & White, 67 Goble, Newark, N. J.
ARTGUM rubber erasers—Viscol Co., Cambridge, Mass.
ARTHUR hump rail blocks—W. H. Arthur, Washington bldg, Stamford, Conn.
ARTHUR rail blocks—Mack Mfg. Co., Land Title bldg, Phila., Pa.
ARTHUR JAMES fish hooks—L. D. Lothrop & Son, Gloucester, Mass.
ARTIC automatic grease cups—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
ARTIC tank heaters—U. S. Wind Engine & Pump Co., Batavia, Ill.
ART KRAFT metallic shingles, steel ceilings—Canton Metal Ceiling Co., Canton, Ohio
ART METAL office furniture filing cabinets & safes—Art Metal Construction Co., Jamestown, N. Y.
ARUNDEL fireplace heaters—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
ASA LEES & CO. bale breakers & revolving cords—Wm. Firth, 200 Devonshire, Boston, Mass.
ASBESTEEL metallic gaskets—Faul & Timmins, Buffalo, N. Y.
ASBESTINE pulp—International Pulp Co., 41 Park Row, New York
ASBESTINE sheet packing—Anchor Packing Co., Lafayette bldg, Phila, Pa.
ASBESTOLITH gaskets & packing—Asbestos & Rubber Works of America, 58th & Broadway, New York
ASBESTONE sanitary flooring—Franklyn R. Muller & Co., Waukegan, Ill.
ASBESTOS locomotive lagging—H. W. Johns-Manville Co., Madison av & 41st, New York



ASBESTOS METALLIC gaskets—Asbestos & Rubber Works of America, 58th & B'way, New York
ASBESTOS METALLIC gaskets—H. W. Johns-Manville Co., Madison av & 41st, New York
ASBESTOS roofing paints—Elliott Varnish Co., 1013 S. Kolmar av, Chicago, Ill.
ASBORBON absorbent Cotton—Maplewood Mills, Fall River, Mass.
ASCO automobile horn bulb protectors—New York Wire & Spring Co., 588 Washington, New York
ASEPTICO antiseptic & germicide—Anseptico Laboratories, Inc., 107 State, Rochester, N. Y.
ASH GROVE cement—Ash Grove Lime & Portland Cement Co., 7th fl Grand av Temple, Kansas City, Mo.
ASHLAND deep well—F. E. Myers & Bro., Ashland, Ohio
ASHLAND pig iron—Ashland Iron & Mining Co., Ashland, Ky.
ASHLAND roller lawn swings, ratchet handle & hand pumps—F. E. Myers & Bro., 900 Fourth, Ashland, Ohio
ASHLAR anchor bolts—Scovil Iron & Steel Co., 243 17th, Jersey City, N. J.
ASHLEY steel boiler settings—Tomahawk Steel & Iron Works, Tomahawk, Wis.
ASHTON bubbling fountains, valves—Ashton Valve Co., 161 First, Cambridge, Mass.
ASHTON sight feed lubricators—Walter L. Flower Co., St. Louis, Mo.
ASHWELL railroad copying paper—Wm. Mann Co., 529 Market, Phila., Pa.
ASPHATOIL road binders & preservatives—Gulf Refining Co., Frick bldg Annex, Pittsburgh, Pa.
ASPINWALL potato diggers & potato planters—Aspinwall Mfg. Co., Jackson, Mich.
"ASSAYERS" drug grinding mills—Wilson Bros., Easton, Pa.
ASSOCIATED automatic fire sprinklers—Associated Automatic Sprinkler Co., 2216 Vine, Phila., Pa.
ASTEROID asphalt roofing—Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, Ohio
ASTOR gas heaters, radiators, hot air furnaces & stoves—Union Stove Works, 70 Beekman, New York
ASTOR FRANKLIN fireplace heaters—Union Stove Works, 70 Beekman, New York
AS-YOU-LIKE-IT desk telephone brackets—K. & B. Co., 497 N. 3d, Phila., Pa.
ATERITE non-corrosive alloy & products—M. H. Aterite Co., Inc., 55 John, New York
ATHERMOS refrigerators—Gurney Refrigerator Co., Fond du Lac, Wis.
ATHERTON coaster brakes—Buffalo Metal Goods Co., 196 Winchester av, Buffalo, N. Y.
ATHERTON loom pickers—Whitin Machine Works, Whitinsville, Mass.
ATHEY weather strips—Athey Co., 124 W 24th, Chicago, Ill.
ATHOL cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
ATHOL jewelers' vises—Athol Machine Co., Athol, Mass.
ATKINS slime classifiers—Colorado Iron Works Co., Denver, Colo.
ATKINS A. A. A. car movers—E. C. Atkins & Co., Indianapolis, Ind.
ATLANTA bench grinders—A. A. Wood & Sons Co., Atlanta, Ga.
ATLANTIC bagties—Atlantic Jute Mills, Norfolk, Va.
ATLANTIC belt dressing—Atlantic Mfg. Co., Wilmington, Del.
ATLANTIC belting, rubber hose & packing—Quaker City Rubber Co., 629 Market, Phila., Pa.
ATLANTIC belting—Schwartz Belting Co., 76 Murray, New York
ATLANTIC cans, tin dairy pails, refrigerator, pans & watering pots—Atlantic Stamping Co., 156-180 Ames, Rochester, N. Y.
ATLANTIC packing—A. W. Chesterton Co., 64 India, Boston, Mass.
ATLANTIC pumps—Waldo Bros. & Bond Co., 181 Congress, Boston, Mass.
ATLANTIC shingle stains—Atlantic Paint Co., Cleveland, Ohio
ATLANTIC steam shovels—Bucyrus Co., South Milwaukee, Wis.
ATLANTIC stoves—Grinberg Bros., 154 South, New York
ATLAS house raising jacks—McKiernan-Terry Drill Co., 15 Park Row, New York
ATLAS belting—Acme Belting Co., Niles, Mich.
ATLAS breaking plows—S. R. White's Sons, Norfolk Va.
ATLAS car movers—Appleton Car Mover Co., Appleton, Wis.
ATLAS cement—Atlas Portland Cement Co., 30 Broad, New York

ATLAS A. chemical weed killer—Chipman Chemical Engng Co., Inc., 95 Liberty, New York
ATLAS E. boiler compound—Chipman Chemical Engng Co., Inc., 95 Liberty, New York
ATLAS S. hide & skin preservative—Chipman Chemical Engng Co., Inc., 95 Liberty, New York
ATLAS W. P. & D. wood preservative—Chipman Chemical Engng. Co., Inc., 95 Liberty, New York
ATLAS hot die & special alloy steel—Atlas Crucible Steel Co., Dunkirk, N. Y.
ATLAS electric blowers & exhausters—Horning Electric & Mfg. Co., Cleveland, Ohio
ATLAS elevator boots—Link-Belt Co., 329 W. 39th Chicago, Ill.
ATLAS fire extinguishers—Northern Fire Apparatus Co., Minneapolis, Minn.
ATLAS fly killers—Atlas Mfg. Co., New Haven, Conn.
ATLAS grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
ATLAS hair pickers—Curtis & Marble Machine Co., Worcester, Mass.
ATLAS insulating paper—Keystone Roofing Mfg. Co., York, Pa.
ATLAS jacks—McKiernan-Terry Drill Co., 17 Park Row, New York
ATLAS life saving nets—S. F. Hayward & Co., 250 W. 54th, New York
ATLAS lubricating oils & greases —Swan & Finch Co., 165 B'way, New York
ATLAS metallic window frame—Manhattan Iron & Steel Sales Co., 122 E. 132d, New York
ATLAS platform trucks—Pressed Steel Truck Co., 844 Penna av, Pittsburgh, Pa.
ATLAS post caps—A. M. Castle & Co., 715 N. Morgan, Chicago, Ill.
ATLAS post caps & bases—Emil W. Ritter Co., 223 W. Austin av, Chicago, Ill.
ATLAS post hole diggers—Eureka Diggers Co., 227 W. Huron, Chicago, Ill.
ATLAS post hole diggers—Seymour Mfg. Co., Seymour, Ind.
ATLAS pressure regulators—Hall Mfg. Co., Harrison, N. J.
ATLAS primary batteries—Eastern Signal & Supply Co., 30 Church, New York
ATLAS shears—Atlas Shear Co., Bridgeport, Conn.
ATLAS staybolt iron—Pittsburgh Forge & Iron Co., Chamber of Commerce bldg, Pittsburgh, Pa.
ATLAS steel balls—Atlas Ball Co., 4th & Glenwood av, Phila., Pa.
ATLAS sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
ATLAS sugar cloth bags—Atlantic Jute Mills, Norfolk, Va.
ATLAS switches, car movers, rail joints & track rail grinders—Atlas Railway Supply Co., 431 S. Dearborn, Chicago, Ill.
ATLAS tire air pumps—Bridgeport Brass Co., Bridgeport, Conn.
ATLAS water heaters—Mustee Water Heater Co., 3409 Superior av, Cleveland, Ohio
ATLAS water supply system—Deming Co., Salem, O.
ATLAS weather strips—D. W. Bosley Co., 122 S. Michigan av, Chicago, Ill.
ATLAS IMPROVED plow steel rope — Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill.
AT LAST clothes washing machines—At Last Washer Co., Perry, Ia.
ATLASTIC enamels, paints & stains—Atlastic Paint Mfg. Co., 1007 Marquette av, Minneapolis, Minn.
ATOMIST hand potato sprayers—Harry Bros. Mfg. Co., 282 E. Woodbridge, Detroit, Mich.
ATTORNEY carbon paper—Non-Smut Carbon Mfg. Co., Rochester, N. Y.
ATTOS step ladders—Superior Ladder Co., Goshen, Ind.
ATWOOD box hinges—Stanley Works, New Britain, Conn.
ATWOOD pipe joints & tuyere cocks—Pitssburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
ATWOOD vacuum cleaners—Atwood Vacuum Cleaner Co., Rockford, Ill.
AUBURN brass balls & ball bearings—Auburn Ball Bearing Co., 26 Elizabeth, Rochester, N. Y.
AUBURN mica plugs—New York Mica & Mfg. Co., Auburn, N. Y.
AUBURN porcelain plugs—Auburn Ignition Mfg. Co., Auburn, N. Y.
AUBURN steam heaters—Utica Heater Co., Utica, N. Y.
AUBURN wagons—Auburn Wagon Co., Martinsburg, W. Va.
AUDEMAIER binoculars—Spencer Optical Mfg. Co., 5 Maiden Lane, New York



AUDIFFREN-SINGRUN ice & refrigerating machines—H. W. Johns-Manville Co., Madison av & 41st, New York
AUGMORE stacks & dies—Augmore Mfg. Co., 5407 Sweeney av, Cleveland, Ohio.
AUGUSTINE rotary engines—Augustine Automatic Rotary Engine Co., Buffalo, N. Y.
AULD CO. pressure reducing valves—Schutte & Koerting Co., 1251 N. 12th, Phila., Pa.
AULTMAN-TAYLOR traction engines—Aultman & Taylor Machinery Co., Mansfield, Ohio
AUNT DINAH'S sink strainers—Andrews Wire & Iron Works, Rockford, Ill.
AURORA cupola ventilators—Messenger & Parks Mfg. Co., Aurora, Ill.
AURORA dinner pails—National Enameling & Stamping Co., 411 5th av, New York
AURORA drill presses—Aurora Tool Works, Aurora, Ind.
AURORA dumping wagons—Western Wheeled Scraper Co., Aurora, Ill.
AURORA glass shades—Consolidated Lamp & Glass Co., Coraopolis, Pa.
AURORA lubricating oils & greases—Pigot, Sayre Co., 73 Front, New York
AURORA red sheet packing—General Asbestos & Rubber Co., Charleston, S. C.
AURORA rubber hose—National India Rubber Co., Bristol, R. I.
AURORA rural mail boxes—Geo. E. Roesch, Aurora, Ill.
AURORA typewriter ribbons & carbon paper—Miller-Bryant-Pierce Co., Aurora, Ill.
AUSABLE horse nails—Ausable Essex Horse Nail Co., Keeseville, N. Y.
AUSCO concrete mixers—W. E. Austin Machinery Co., Atlanta, Ga.
AUSTIN air pumps—Homer F. Livermore, 85 Pearl, Boston, Mass.
AUSTIN contractors' machinery—Austin Machinery Corp., 80 E. Jackson blvd, Chicago, Ill.
AUSTIN locomotive sanders—United States Metallic Packing Co., 221 N. 13th, Phila., Pa.
AUSTIN oil separators—Wright-Austin Co., 97 Woodbridge, W. Detroit, Mich.
AUSTIN pipe organs—Austin Organ Co., Hartford, Conn.
AUSTRALIAN lawn mower—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
AUSTRIAN-AMERICAN sanitary flooring—Frantz Djorup, 133 W. Washington, Chicago, Ill.
AUTO CLEANER garden rakes—G. A. Swineford Co., Canton, Ohio.
AUTO CLE wrenches—Frank Mossberg Co., Attleboro, Mass.
AUTOCLAVE sterilizers—Castle, Wilmot Co., Rochester, N. Y.
AUTO CRANE portable clam shell tractors & car unloaders—John F. Byers Machine Co., 242 S. Sycamore, Ravenna, Ohio
AUTOCRAT binoculars—American Thermo Ware Co., 16 Warren, New York
AUTOCRAT dry batteries—Stackpole Carbon Co., St. Marys, Pa.
AUTOCRAT motor oil & greases—Bayerson Oil Works, Erie, Pa.
AUTOFORCE ventilators—Autoforce Ventilating System, 53 Devonshire, Boston, Mass.
AUTOS FRIEND socket wrenches—Chas. Miller, Syracuse, N. Y.
AUTO-KEMCLO chemical closets—Automatic Chemical Closet Co., Minneapolis, Minn.
AUTO KING automobile oil soap—National Soap Co., 440 Franklin, Detroit, Mich.
AUTO KURE medical batteries—J. H. Bunnell & Co., 32 Park pl, New York.
AUTOLEUM lubricating oil & greases—Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
AUTOLINE lubricating oils—Wm. C. Robinson & Son Co., 32 South, Baltimore, Md.
AUTO LITE auto electric lighting systems—Electric Auto-Lite Co., Toledo, Ohio
AUTOMAT oxy-acetylene welding—Messer & Co., 121 N. 7th, Phila., Pa.
AUTOMATIC can makers' machinery—Chas. Stecher Co., 1580 Crossing, Chicago, Ill.
AUTOMATIC ice cream freezers—Treman King & Co., Ithaca, N. Y.
AUTOMATIC heaters—Pittsburgh Water Heater Co., Jenkins bldg., Pittsburgh, Pa.
AUTOMATIC time stamps & recorders—Automatic Time Stamp Co., 159 Congress, Boston, Mass.
AUTOMATIC NEEDLE VALVE oil and grease cups—D. T. Williams Valve Co., Cincinnati, Ohio

AUTOMOBILE aluminum & manganese bronze castings; bearing metal—Sight Mfg. & Foundry Co., Pottstown, Pa.
AUTOMOBILE carriage top dressing—L. M. West's Sons, Rockford, Ill.
AUTOPHONE automatic telephones—S. W. Couch Co., Norfolk Downs, Mass.
AUTO-PILER belt conveyors—Brown Portable Conveying Machy. Co., 10 S. LaSalle, Chicago, Ill.
AUTO QUEEN wrenches—C. M. B. Wrench Co., Garwood, N. J.
AUTO-SILENT water closets—Gaylord Sanitary Mfg. Co., El Dorado, Kans.
AUTO-SPRAY pumps & paint spraying machines—E. C. Brown Co., Rochester, N. Y.
AUTO-TITE flexible pipe joints & joint couplings—International Couplers Co., 239 4th av, Pittsburgh, Pa.
AUTO TRUCK counter scales—Jones of Binghamton, Inc., Binghamton, N. Y.
AUTOWATER water systems—Goulds Mfg. Co., 71 W. Falls, Seneca Falls, N. Y.
AUTOVENT propeller fans—Batterman Fruit Co., 736 W. Monroe, Chicago, Ill.
AVALON cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
AVERY agricultural implements, pea hullers, self-feeders & ban cutters for threshers, traction engine gang plows, motor trucks & tractors—Avery Co., Peoria, Ill.
AVERY cultivators, harrows, potato diggers—B. F. Avery & Sons, Louisville, Ky.
AVERY'S IMPROVED fertilizer distributors—B. F. Avery & Sons, Louisville, Ky.
AVEY drilling machines—Avery Drilling Machine Co., Covington, Ky.
AVEY sensitive, ball bearing, single & multiple spindle drilling machines—Avey Drilling Machine Co., Cincinnati, Ohio
AVIATOR sewing machines—Free Sewing Machine Co., Rockford, Ill.
AVIS sanitary fly traps—Avis Hardware Co., Pomona, Cal.
AVON ironing boards—S. J. Eisenmann, 369 Broadway, New York
AVON stoves—Union Stove Works, 70 Beekman, New York
AWAY FROM THE WALL pipe hangers—Ira G. Lane Co., 1077 3d av, New York
AWL-IN-ONE plows—Gantt Mfg. Co., Macon, Ga.
AXEL switch staples—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
AXELSON sucker rods—Axelson Machine Co., Boyle av & Huntington Park, Los Angeles, Cal.
AXIOM rules—Irving Mfg. & Tool Co., 157 Chambers, New York
AXIOM DYNAMO belting—Schwartz Belting Co., 76 Murray, New York.
AXIOM EXTRA HEAVY belting—Schwartz Belting Co., 76 Murray, New York
AXIOM HEAVY belting—Schwartz Belting Co., 76 Murray, New York
AXONETAT car lighting belts—Victor Balata & Textile Belting Co., 38 Murray, New York
AXTELL weather strips—E. I. Church & Co., W. Hanover, Mass.
AXWELL spark plugs—Axwell Equipment Co., 421 Wood, Pittsburgh, Pa.
AYERS peanut planters—J. R. Ayers, Petersburg, Va.
AZAK solid cotton belting—Carton Belting Co., 52 Everett, Allston, Mass.
AZTEC graphite paints—Lincoln Paint & Color Co., Lincoln, Neb.
AZTEC oil tanks & pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
AZTEC road binders—U. S. Asphalt Refining Co., 90 West, New York
AZURE kitchen enameled ware—Belmont Stamping & Enameling, New Phila., Ohio
B. adjustable wrenches—Frank Mossberg Co., Attleboro, Mass.
B. cotton twine—Estes Mills, Fall River, Mass.
B. feed grinding mills—Duplex Mfg. Co., Superior, Wis.
B. fire resisting cements—Howard Co., New Haven, Conn.
B. photometers—American Meter Co., 3112 N. 17th, Phila., Pa.
B. B. clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
B. B. coil chains—Columbus McKinnon Chain Co., Columbus, Ohio
B. B. coil chains—United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
B. B. copper ingots—Balbach Smelting & Refining Co., 580 Market, Newark, N. J.
B-B crushers—Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
B. B. damper clips—Berger Bros. Co., 229 Arch, Phila., Pa.
B. B. dusters, dustless dust cloths, cotton & dustless mops, floor sweeping brushes, etc.—Milton Chemical Co., 156 Sixth, Cambridge, Mass.
B. B. expanded metal lath—Berger Mfg. Co., Canton, Ohio
B. B. portable hot air furnaces—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
B-B pumps & windmills—Beckman Bros., Des Moines, Ia.
B. B. sewer gas traps, bath traps, soderless copper, floats, pipe nipple holders, flushing valves & tank valves—Boston Brass Co., Waltham, Mass.
B. B. shoveling & end gate boards—Hayes Pump & Planter Co., Galva, Ill.
B. B. trolley track door hangers—Sharon Hardware Mfg. Co., Sharon, Pa.
B. B. B. coil chains—Columbus Chain Co., Columbus, Ohio
B. B. B. coil chains—United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
B-BRITE carriage top dressing—Polish Products Co., Kansas City, Mo.
B. C. rubber covered wire—Simplex Wire & Cable Co., 201 Devonshire, Boston, Mass.
B. C. & B. B. twine—California Cotton Mills Co., Oakland, Cal.
B. C. SPIRITS turpentine—Ball Chemical Co., Fulton Bldg., Pittsburgh, Pa.
B. C. & D. belting—Bickford & Francis Belting Co., 35 Pearl, Buffalo, N. Y.
B-C-CO FAN pumps—Black-Clawson Co., Hamilton, Ohio
B-D carbureters—Detroit Motor Castings Co., 229 Beaufait, Detroit, Mich.
B. G. D. loom pickers—E. H. Jacobs Mfg. Co., Danielson, Conn.
B. H. M. tool sets—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
B. H. MFG. CO. universal joints—B. Hoffman Mfg. Co., Milwaukee, Wis.
B-K disinfectants—General Laboratories, Madison, Wis.
B-L-K cow milking machine vacuum pumps—D. H. Burrell & Co., Little Falls, N. Y.
B. M. C. steam condensers, tank heaters, steel bins, corn cribs, etc—Butler Mfg. Co., Kansas City, Mo.
B. O. blow-off valves—L. J. Bordo Co., 12th & Thompson, Phila, Pa.
B. O. E. sad irons—Loetcher-Ryan Mfg. Co., Dubuque, Ia.
B. O. E. spark plugs—Delta Mfg. Co., 9 Delancy, Newark, N. J.
B. O. T. plumbers' sanitary earthenware, water closets, closet seats & tanks—American Sanitary Works, Washington, N. J.
B. P. S. paint—Patterson-Sargent Co., 1325 E 38th, Cleveland, Ohio
B. R. E. hygiene closets & tanks—B. R. E. Mfg. Co., Hyde Park, Mass.
B. R. E. HYGIENE closet seats—B. R. E. Mfg. Co., Hyde Park, Mass.
B. S. breast strap slides—Frazer & Jones Co., Syracuse, N. Y.
B-S insulating compounds—Mitchell-Rand Mfg. Co., 18 Vesey, New York
B. S. Co. iron screws—Bridgeport Screw Co., Bridgeport, Conn.
B. T. & B. molders' flasks—Baldwin, Tuthill & Bolton, Grand Rapids, Mich.
B. V. S. varnish mfrs.—Patterson-Sargent Co., 1325 E. 38th, Cleveland, Ohio
B-VER expansion reamers—Hjorth Lathe & Tool Co., 27 School, Boston, Mass.
B. W. DEFIANCE bond paper—Weston Byron Co., Dalton, Mass.
B. W. H. splicing compound tape—Boston Woven Hose & Rubber Co., Cambridge, Mass.
B. & B. foundry moulding machines—B. & B. Mfg. Co., Indianapolis, Ind.
B. & B. gas engines—Buckeye Engine & Foundry Co., Joliet, Ill.
B. & B. propeller wheels—Bryant & Berry Co., 32 W. Atwater, Detroit, Mich.
B. & C. floor & ceiling plates—Beaton & Corbin Mfg. Co., Southington, Conn.
B. & C. S. wrenches—Bemis & Call Hardware & Tool Co., 983 Main, Springfield, Mass.
B. & D. electric drills—Black & Decker Mfg. Co., 111 S. Calvert, Baltimore, Md.
B. & D. CO., knives & ice chisels—Browne & Dowd Mfg. Co., Meriden, Conn.

B. & E. gas engines—Bates & Edmonds Motor Co., Lansing, Mich.
B. & F. belting—Bickford & Francis Belting Co., 35 Pearl, Buffalo, N. Y.
B. & F. belting—J. F. & W. H. Warren Co., Worcester, Mass.
B. & G. fanning mills—Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
B. & H. cement—Cumberland Hydraulic Cement & Mfg. Co., Cumberland, Md.
B. & K. coal jigs—Mt. Carmel Iron Works, Mt. Carmel, Pa.
B. & K. guy anchors & clamps—B. & K. Mfg. Co., New Britain, Conn.
B. & K. pipe cutters & die grinding machines—Bignall & Keeler Mfg. Co., Edwardsville, Ill.
B. & L. microscopes, spectroscopes & polariscopes—Eimer & Amend, 205 3rd av, New York
B. & M. babbitt metal—H. K. & F. S. Benson, Glen Ridge, N. J.
B. & O. cotton threads—Blodgett & Orswell Co., Pawtucket, R. I.
B. & O. punches & tire upsetters—Butts & Ordway Co., 33 Purchase, Boston, Mass.
B. & P. loose leaf devices—Boorum & Pease Co., 109 Leonard, New York
B. & S. cutter heads—Buettner Shelburne Machine Co., Terre Haute, Ind.
B. & S. ring oiling hangers—T. B. Woods' Sons Co., Chambersburg, Pa.
B. & S. stocking cutters—Brown & Sharpe Mfg. Co., Providence, R. I.
B. & S. wrenches, clamps, pliers, drop hammers & presses tool kits—Billings & Spencer Co., Hartford, Conn.
B. & W. creamery churns, milk heaters—D. H. Burrell & Co., Little Falls, N. Y.
B. & W. sliding furniture shoes—Brainard & Wilson Corp., Danbury, Conn.
B. & W. water tube boilers—Babcock & Wilcox Co., 85 Liberty, New York
B. & W. water tube expanders—Gustav Wiedeke & Co., Dayton, Ohio
B. & Z. corn & cob mills—Barry & Zecher Co., Lancaster, Pa.
BABBITT 1776 soap powder—B. T. Babbitt, 15 W. 34th, New York
BABBITTS' CLEANSER compounds—B. T. Babbitt, Inc., 15 W. 34th, New York
BABCOCK fire extinguishers—S. F. Hayward & Co., 250 W. 54th, New York
BABCOCK milk testers—Dairy Specialty Co., West Chester, Pa.
BABCOCK shears—Clark Bros. Cutlery Co., Kansas City, Mo.
BABCOCK & KELLEY oil & grease cup lubricators—Crescent Oil & Supply Co., 303 N. Levee, St. Louis, Mo.
BABY belt lacing machines—Clipper Belt Lacer Co., 1042 Front av, Grand Rapids, Mich.
BABY revolvers—R. F. Sedgley, 2311 N. 16th, Phila., Pa.
BABY spark plugs—Reflex Ignition Co., 1708 Payne av, Cleveland, Ohio
BABY ventilating fans—Buffalo Forge Co., Buffalo, N. Y.
BABY DYNAMO electric toys—Rhode Island Telephone & Electric Co., 55 Pine, Providence, R. I.
BABY GRAND egg boilers—Berger & Hamden Mfg. Co., Homestead, Pa.
BABY GRAND lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
BABY SUPERIOR fly traps—Stuber & Kuck Co., Peoria, Ill.
BABY TOY phonographs—General Phonographer Mfg. Co., Elmira, Ohio
BACHELDER steam engine indicators—Richard Thompson & Co., 126 Liberty, New York
BACHMAN water softening & purifying apparatus—D. W. Patterson, 15 `2 Market, Phila., Pa.
BACK HAWK packing—Revere Rubber Co., Chelsea, Mass.
BACKUS fireplace heaters, gas heaters & logs—Backus Heater & Fdry. Co., 63 Canal, Boston, Mass.
BACO aniline colors, dyes & dyestuffs—Bachmeier & Co., 438 W. 37th, New York
BACON cultivators—Bacon Mfg. Co., Pontiac, Mich.
BACON felts, felt washers, wheels, polishing wheels, wadding wool—Bacon Felt Co., Winchester, Mass.
BACON gas ranges—Thos. White Stove Co., Quincy, Ill.
BADENHAUSEN water tube boilers—Badenhausen Co., 1429 Chestnut, Phila., Pa.
BADGER anvils—American Skein & Foundry Co., Racine, Wis.



BADGER car movers—Ransome Concrete Machinery Co., Dunellen, N. J.
BADGER cattle stanchions—Gehl Bros. Mfg. Co., West Bend, Wis.
BADGER closet seats—Plumbers Woodwork Co., Algoma, Wis.
BADGER concrete mixers—Badger Concrete Mixer Co., First Nat. Bk. bldg, Milwaukee, Wis.
BADGER corn shellers—Appleton Mfg. Co., Batavia, Ill.
BADGER cultivators—Kingman Plow Co., Peoria, Ill.
BADGER cylinder oil—Wadham's Oil Co., 359 Clinton, Milwaukee, Wis.
BADGER disc ring wheel, double vertical spindle grinders, abrasive discs, disc wheel & pattern makers' cement—Badger Tool Co., Beloit, Wis.
BADGER files—Racine File Co., Racine, Wis.
BADGER fly pillers—Hoaglin Mfg. Co., Waupaca, Wis.
BADGER gas & gasoline engines—Christensen Engineering Co., Milwaukee, Wis.
BADGER oil filters—Wisconsin Foundry & Machine Co., Madison, Wis.
BADGER potato diggers—McKenzie Mfg. Co., La Crosse, Wis.
BADGER punching & shearing machines—Rock River Machine Co., Janesville, Wis.
BADGER refrigerator drains—Modern Iron Wks., Quincy, Ill.
BADGER rubber belting—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
BADGER spring tooth harrows—Eureka Mower Co., 16 Hickory, Utica, N. Y.
BADGER tank heaters—Duplex Mfg. Co., Superior, Wis.
BADGER STATE fanning mills—Foster & Williams Mfg. Co., Racine, Wis.
BAER barrel washing machines—A. S. Baer & Son, 106 Wall, New York
BAERTL pulley covering—Baertl Anti-Slip Cement Co., 97 Water, New York
BAGLEY railroad graders—Bagley Grader Co., Tacoma, Wash.
BAILEY adjustable iron planes & spoke shaves—Stanley Rule & Level Co., New Britain, Conn.
BAILEY chain hoists—Jas. P. Dunn, Cleveland, Ohio
BAILEY WONT SLIP cushioned tires—C. J. Bailey & Co., 22 Boylston, Boston, Mass.
BAILEY meters, air, boiler feed water, gas, hot water, steam, water & water flow & weir recorders—Bailey Meter Co., 2017 E. 46th, Cleveland O., & 139 Milk, Boston, Mass.
BAILEY post drills—Illinois Iron & Bolt Co., Carpentersville, Ill.
BAILEY'S CROWN metal polish—Crown Chemical Co., Indianapolis, Ind.
BAILY metal melting & heat treating electric furnaces—Electric Furnace Co., Alliance, O.
BAIN wagons—Bain Wagon Co., Kenosha, Wis.
BAIR bow separators & carriage fasteners—Auto Specialties Mfg. Co., Joliet, Ill.
BAIRD fresh water distilling evaporators—M. T. Davidson Co., 154 Nassau, New York
BAIRD pottery molders—Baird Machine & Mfg. Co., 265 E. Jefferson, Detroit, Mich.
BAIRD tumbling barrels—Baird Machine Co., Bridgeport, Conn.
BAIRSTOW BROS. flyers—Speed & Stephenson, 170 Summer, Boston, Mass.
BAKELITE gears—Wm. Ganschow Co., 1001 Washington blvd, Chicago, Ill.
BAKELITE insulating compounds, baking enamels & lacquer—General Bakelite Co., 2 Rector, New York
BAKELITE moulded heat-proof insulation—Remy Electric Co., Anderson, Ind.
BAKELITE-DILECTO fibre specialties—Continental Fibre Co., Newark, Del.
BAKER barbed wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
BAKER fire hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
BAKER gasoline engines—Baker Mfg. Co., Evansville, Wis.
BAKER leather staking machines—G. W. Baker Machine Co., Wilmington, Del.
BAKER oil separators—Wheeler Condenser & Engineering Co., Carteret, N. J.
BAKER ore coolers—Stearns-Roger Mfg. Co., Denver, Colo.
BAKER piston valves—Baker Valve Co., 1855 E. 28th, Minneapolis, Minn.
BAKER plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
BAKER saw benches—Baker Bros., Toledo, Ohio
BAKER splitting machinery—Wm. H. Baker, Trenton, N. J.

BAKER steel bins—Arthur G. McKee & Co., Cleveland, Ohio
BAKER threshers—A. D. Baker Co., Swanton, Ohio
BAKER valve gear—Pilliod Co., 30 Church, New York
BAKER vault & sidewalk lights—Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
BAKER windmill regulators—Baker Mfg. Co., Evansville, Wis.
BAKER MANEY 4 wheel scraper—Baker Mfg. Co., 1000 Stanford av, Springfield, Ill.
BAKER & SHEVLIN blow-off valves—Baker Mfg. Corp., Saratoga Springs, N. Y.
BAKER'S filter paper—J. T. Baker Chemical Co., Phillipsburg, N. J.
BAKOROST fireless cookers—Grand Rapids Screen Co., Grand Rapids, Mich.
BAK-PUSH water closets—Pittsburgh Brass Mfg. Co., Penn & 32d, Pittsburgh, Pa.
BAL BUILT automobile trunks—William Bal Co., 14 Johnson, Newark, N. J.
BALDT boat anchors—Columbia Steel Co., 503 Market, San Francisco, Cal.
BALDWIN cash carriers—Jas. L. Baldwin & Co., 350 W. Madison, Chicago, Ill.
BALDWIN feed cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
BALDWIN packing—Anchor Packing Co., Lafayette bldg., Philadelphia, Pa.
BALDWIN power transmission chains—Baldwin Chain & Mfg. Co., Worcester, Mass.
BALDWIN windmills—Walker Mfg. Co., Council Bluffs, Ia.
BALDWIN'S AMERICAN cultivators—Donaldson Bros., Mt. Clemens, Mich.
BALL gears—N. Y. Gear Works, 56 Greenpoint av, Brooklyn, N. Y.
BALL jelly glasses & tumblers—Ball Bros. Glass Mfg. Co., Muncie, Ind.
BALL lubricating oils — Colgan Mfg. & Supply Co., 118 Maiden la, New York
BALL track drills—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
BALL BEARING lawn mowers—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
BALL IDEAL fruit jars—Ball Bros. Glass Mfg. Co., Muncie, Ind.
BALL IMPROVED fruit jars—Ball Bros. Glass Mfg. Co., Muncie, Ind.
BALL PERFECT MASON fruit jars—Ball Bros. Glass Mfg. Co., Muncie, Ind.
BALL PERFECT SEAL fruit jar rubbers—Ball Bros. Glass Mfg. Co., Muncie, Ind.
BALL TYPE gauge cocks—Williams Gauge Co., 543 4th av, Pittsburgh, Pa.
BALL & FITTS oil meters—Union Water Meter Co., Worcester, Mass.
BALLARD track bolts—Ballard Drop Forge Co., Seattle, Wash.
BALLISTITE smokeless shotgun powders—(E. I.) du Pont de Nemours & Co., Wilmington, Del.
BALLOON fly traps—Wickwire-Spencer Steel Corp., Worcester, Mass.
BALL'S paint & varnish remover—Ball Chemical Co., Fulton Bldg., Pittsburgh, Pa.
BALLWOOD welded flanges—Ballwood Co., 30 Church, New York.
BALSALATION heat insulation, American Balsa Co., Inc., 50 E. 42d, New York
BALTIMORE ball bearings & center plates—T. H Symington Co., Md. Trust bldg., Baltimore, Md.
BALTIMORE bay presses—Sinclair-Scott Co., B. & O. R. R., Wells & Patapsco, Baltimore, Md.
BALTIMORE wagon jacks—Lansing Co., Lansing, Mich.
BALTIMORE water filters—Loomis-Manning Filter Mfg. Co., 37th & Reed, Phila., Pa.
BALTIMOREAN printing presses & machinery—J. F. W. Dorman Co., 526 N. Calvert, Baltimore, Md.
BALTO-BELT belting—Baltimore Belting Co., 115 W. Lombard, Baltimore, Md.
BALTZY steel stove trucks—Arcade Mfg. Co., Freeport, Ill.
BALZAN steel stove trimmings—Arcade Mfg. Co., Freeport, Ill.
BANFIELD BEST BRIGHT tin plates—Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
BANGOR RIBBON roofing slate—Auld & Conger Co., 942 Prospect, Cleveland, Ohio.
BANKER wind shields—Banker Wind Shield Co., 5722 Ellsworth av, Pittsburgh, Pa.
BANKER'S blotting paper—Standard Paper Mfg. Co. Hull & Canal, Richmond, Va.
BANKERS' SAFETY paper—Geo. Le Monte & Son, 61 B'way, New York
BANNER aqua & anhydrous ammonia, chloride of lime & powdered lye—Penn Chemical Works, 1332 Washington av, Phila., Pa.
BANNER clothes washing machines—Boss Washing Machine Co., Cincinnati, Ohio.
BANNER cream separators—Seither & Cherry Co., Keokuk, Ia.
BANNER cultivators—F. C. Mason & Co., St. Johns, Mich.
BANNER cultivators—Racine-Sattley Co., Springfield, Ill.
BANNER hickory handles—Hartwell Handle Co., Harvey, Ill.
BANNER hydrate lime—National Mortar & Supply Co., 2nd Nat'l Bank bldg, Pittsburgh, Pa.
BANNER incandescent electric lamps—Banner Electric Works of G. E. Co., Youngstown, Ohio.
BANNER knitting machinery—Hemphill Mfg. Co., Central Falls, R. I.
BANNER loose leaf devices—Nelson Corp., 326 W. Madison, Chicago, Ill.
BANNER lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio.
BANNER oil cup lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
BANNER potato diggers—Greenville Implement Co., Greenville, Mich.
BANNER road scrapers—Amer. Steel Scraper Co., Sidney, O.
BANNER root cutters—O. E. Thompson & Sons, Ypsilanti, Mich.
BANNER steel tape—Lufkin Rule Co., Saginaw, Mich.
BANNER switch stands—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
BANNER vacuum cleaners—Banner Machine Co., Columbiana, Ohio.
BANNER welding compounds, boiler compounds, belt dressing—Cortland Specialty Co., 174 Railroad, Cortland, N. Y.
BANNISTER carriage wheels—Muncie Wheel Co., Muncie, Ind.
BANNISTER grate bars—Mechanics' Iron Foundry Co., 38 Kemble, Boston, Mass.
BANNISTER'S concrete spades—Conneaut Shovel Co., Conneaut, Ohio.
BANNON'S lidded pipe—P. Bannon Pipe Co., Louisville, Ky.
BANTAM incubators & brooders—Buckeye Incubator Co., Springfield, Ohio.
BANZAI white enamel—Patton Paint Co., Milwaukee, Wis.
BARBER bit braces & drill chucks—Millers Falls Co., 28 Warren, New York.
BARBER car trucks, side bearings & center plates—Standard Car Truck Co., 332 S. Michigan av, Chicago, Ill.
BARBER'S bit braces—Turner & Deegan, Bristol, Conn.
BARBET distilling apparatus—E. B. Badger & Sons Co., 75A Pitts, Boston, Mass.
BARBRACO belting—Barnum Bros. Co., Troy, N. Y.
BARCO flexible joints—Barco Brass & Joint Co., 212 W. Illinois, Chicago, Ill.
BARCROFT lever punching machines—Fred Barcroft, Madera, Cal.
BARCROFT punching machines—Fred Barcroft, Madera, Cal.
BARCUS air drill hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
BARD adjustable bushings—Armstrong Mfg Co., 278 Knowlton, Bridgeport, Conn.
BARD unions—Bard Union Co., Norwich, Conn.
BARDEN'S grass hooks & 20th Century corn hooks—Wallingford Mfg. Co., Wallingford, Vt
BARDSLEY wooden knobs—Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, Ohio
BARGAIN clothes lines—Estes Mills, Fall River, Mass.
BARHART log loaders—Goodyear Lumber Co., Marine Nat. Bank bldg., Buffalo, N. Y.
BARIO elec. furnaces & heat resisting metals—Bario Metal Corp., 167 W 18th, New York
BAR KEEPERS' FRIEND metal polish—Geo. W. Hoffman Co., 557 E. Washington, Indianapolis, Ind.
BARKELEW knife switches—Barkelew Elec Mfg Co., Middletown, Ohio
BARKER bit braces—Millers Falls Co., 28 Warren, New York
BARKER grate bars & massage vibrators—James Barker, 6th & Cayuga, Phila., Pa.
BARLER IDEAL oil stoves & heaters—A. C. Barler Mfg. Co., 341 E Ohio, Chicago, Ill.
BAR LOCK prismatic glass—American Bar Lock Co., 1724 N. 9th, Phila., Pa.
BAR-LOCK vault & sidewalk lights—E. R. Taylor Co., 786 E. Bradbury, Boston, Mass.
BARNARD MOLINE bean dusters—Barnard & Leas Mfg. Co., Moline, Ill.
BARNARD kitchen enameled ware — New England Enameling Co., Middletown, Conn.

BARNARD lamp wick trimmers—H. B. Ives Co., New Haven, Conn.
BARNARD'S feed grinding drills & grain separators—Barnard & Leas Mfg. Co., Moline, Ill.
BARNES fish nets—Carlos G. Young, 320 Market, San Francisco, Cal.
BARNES friction disc drills & screw presses—W. F. & Jno. Barnes Co., Rockford, Ill.
BARNES hay carriers—J. E. Porter Co., Ottawa, Ill.
BARNES night latches—Huber Mfg. Co., 417 E. 93d. New York
BARNES pipe cutters—Oswego Tool Co., Oswego, N. Y.
BARNES-MADE wire springs—Wallace Barnes Co., 18 Wallace, Bristol, Conn.
BARNETT tumbling barrels, molders' flasks, door checks & springs & gas pliers—Oscar Barnett Foundry Co., Irvington, N. J.
BARNEY & BERRY ice & roller skates—Winchester Repeating Arms Co., New Haven, Conn.
BAR-NIC battery connectors, metal polish — Barcy-Nicholson Co., 837 W. Fort, Detroit, Mich.
BAR NONE packing—Schultz Patent Rubber Co., Philadelphia, Pa.
BARNSTEAD stills—Barnstead Water Still Co., 2 Forest Hills, Boston 30, Mass.
BAROL wood preservatives—Anthrol Wood Preserving Co., 12 E 15th, New York
BARRE pneumatic stone cutters' tools—Trow & Holden Co., Barre, Vt.
BARRETT curtain rods—W. C. Barrett & Bro., 603 N. La Salle, Chicago, Ill.
BARRETT cylinder boring machines & pipe vises—Barrett Machine Tool Co., Meadville, Pa.
BARRETT grease & back water & sewer gas traps & valves—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
BARRETT jacks—Duff Mfg. Co., N. S., Pittsburgh, Pa.
BARRETT marking gauges — Leavitt Machine Co., Orange, Mass.
BARRETT NONPAREIL cast iron cleanouts—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
BARRETT'S creosote oils—Barrett Co., 17 Battery pl., New York
BARRINGTON bond paper—B. D. Rising Paper Co., Housatonic, Mass.
BARRON water coolers—Fearless Dish Washer Co., Rochester, N. Y.
BARR'S steam traps—Henry B. Pancoast Co., 950 N. Front, Phila., Pa.
BARRY parlor door hangers—Central City Bolt Co., Syracuse, N. Y.
BARRY STEEL SPLIT PULLEY wrought steel pulleys—R. & J. Dick (Ltd.), Passaic, N. J.
BARSTOW stoves & heaters—Barstow Stove Co., 116 Point, Providence, R. I.
BARTH wagon & track lifting jacks—Barth Mfg. Co., 350 Milwaukee, Milwaukee, Wis.
BARTHEL blow torches, furnaces & fire pots—Globe Gas Light Co., 25 Union, Boston, Mass.
BARTHOLDI electric gas lighters—A. L. Bogart, 55 Barclay, New York
BARTHOLOMEW self-feeders & band cutters—Avery Co., Peoria, Ill.
BARTLETT auger bit boxes—Bennett Mfg. Co., Portland, Me.
BARTLEY nut & bolt fasteners—American Nut & Bolt Fastener Co., Ontario & Doerr, Pittsburgh, Pa.
BARTON steam traps—Automatic Steam Trap & Specialty Co., 315 Harper av, Detroit, Mich.
BARTON steam traps—John W. Barton, 2707 Vestry av, Cleveland, Ohio
BARTON'S car bells & gongs—Starr Bros. Bell Co., East Hampton, Conn.
BARTOW oil filters & libricators—Hall Mfg. Co., Harrison, N. J.
BARWOOD packings, cups & washers, leather frictions; gaskets, moulded leather, leather nuts & buttons; felt & fibre washers—L. J. Barwood Mfg. Co., Stoneham 80, Boston, Mass.
BASLINE automobile towing ropes—Broderick & Bascom Rope Co., 805 N. Main St. Louis, Mo.
BASOL paint—Jenkins Paint & Oil Co., Norfolk, Va.
BASTIAN electrolytic meter—Helio Mfg. Co., 2530 N. Broad, Phila., Pa.
BATDORF coin wrapping machines—Automatic Coin Wrapping Machine Co., 80 Greenwich, New York
BATDORFF'S eave-trough hangers—Canton Cornice & Skylight Co., Canton, Ohio
BATES auger bits—Snell Mfg. Co., Fiskdale, Mass.
BATES dating & numbering machines—Bates Mfg. Co., 50 Church, New York
BATES numbering machines—Roberts Numbering Machine Co., 706 Jamaica av, Brooklyn, N. Y.
BATES spectroscopes & polariscopes—E. H. Sargent & Co., 155 Superior, Chicago, Ill.
BATES steam & hot water heaters—Edw. P. Bates Co., Syracuse, N. Y.
BATES steel mule tractors—Joliet Oil Tractor Co., Joliet, Ill.
BATES tractors—Bates Tractor Co., Lansing, Mich.
BATES well curbing—E. E. & J. H. Bates, Arlington, Providence, R. I.
BATH cements—Bath Portland Cement Co., Bath, Pa.
BATH grinders—Universal Grinding Machine Co., Fitchburg, Mass.
BATTERSEA crucibles—Henry Heil Chemical Co., St. Louis, Mo.
BATTLE packing—Keasbey & Mattison Co., Ambler, Pa.
BATTLE AX stove pipe & elbow—Hemp & Co., Vandeventer nr. Shaw, St. Louis, Mo.
BATTLESHIP linoleums—Joseph Wild & Co., 366 5th av, New York
BAUER circular saw setting machines — Zeiller & Nagel, 233 Java, Brooklyn, N. Y.
BAUER gas engines—Bauer Machine Works Co., Kansas City, Mo.
BAUER'S button hole cutters—J. Wiss & Sons Co., 31 Littleton av, Newark, N. J.
BAUM steam separators—Geo. M. Newhall Engineering Co., Commercial Trust bldg., Phila., Pa.
BAUM'S carriage top dressing—Baum's Castorine Co., Rome, N. Y.
BAUROTH gas & gasoline engines & grain elevators—Bauroth Bros., Springfield, Ohio
BAUSMAN lawn swings—Noll Bros., Bausman, Pa.
BAXTER rubber aprons—Davol Rubber Co., 69 Point, Providence, R. I.
BAXTER wrenches—Greene, Tweed & Co., 109 Duane, New York.
BAY CITY packing & suction hose—Pioneer Rubber Mills, San Francisco, Cal.
BAYER feed water purifiers—Bayer Steam Soot Blower Co., St. Louis, Mo.
BAYLEY corn & cob mills—Gray Iron Casting Co., Springfield, Ohio
BAYLEY hand bone mills & steel corn cribs—Wm. Bayley Co. Springfield, Ohio
BAYLEY hot blast heating apparatus—Bayley Mfg. Co., Milwaukee, Wis.
BAYLEY-SPRINGFIELD wrought steel window frames—Wm. Bayley Co., Springfield, Ohio
BAYONET trolley wheels—Bayonet-Trolley-Harp Co., Springfield, Ohio
BAYONNE canvas roofing—John Boyle & Co., 112 Duane, New York
BAY STATE belting & hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
BAY STATE clippers—Coates Clipper Mfg. Co., Worcester, Mass.
BAY STATE die tool holders, machine bolt & screw dies—Bay State Tap & Die Co., Mansfield, Mass.
BAY STATE enamels, paints, varnishes, wood & shingle stains, carriage dressings, shellac, wood fillers, metal polish, varnish dryers, waterproofing materials, & hard wax floor polish—Wadsworth, Howland & Co., 141 Federal, Boston, Mass.
BAY STATE fruit & vegetable parers—Goodell Co., Antrim, N. H.
BAY STATE grinders—Robbins Machine Co., Worcester, Mass.
BAY STATE printing stamp racks, rubber vulcanizers & seal presses—R. H. Smith Mfg. Co., Springfield, Mass.
BAY STATE steam & hot water heaters—Barstow Stove Co., 116 Point, Providence, R. I.
BAY STATE traps—Joseph H. Young Co., 82 High, Boston, Mass.
BAY STATE JACKET cotton hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
BAY VIEW pig iron—Illinois Steel Co., 208 S. La Salle, Chicago, Ill.
BAYWAY lubricating oils & greases—Swan & Finch Co., 165 Broadway, New York
BEACH carriages—C. A. Pinkham Carriage Co., Farmington, Me.
BEACON lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
BEACON leather crayons—American Crayon Co., Sandusky, Ohio
BEACON lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
BEACON oil pump lubricators — Wm. Powell Co., Cincinnati, Ohio
BEACON packing—Revere Rubber Co., Chelsea, Mass.
BEACON transformers—United Electric Apparatus Co., 1529 Columbus av, Roxbury, Boston, Mass.
BEACON ATLANTIC rubber covered wire—Atlantic Insulated Wire & Cable Co., Stamford, Conn.
BEAMAN stadia surveying arc—W. & L. E. Gurley, Troy, N. Y

BEAMER steam sand dryers—Roberts & Schaefer Co., 332 S. Michigan av, Chicago, Ill.
BEAR grease cups—Wm. Powell Co., Cincinnati, Ohio
BEAR lamp black—Wilckes, Martin, Wilckes Co., 135 William, New York
BEAR safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
BEAR traction engines—Wallis Tractor Co., Racine, Wis.
BEAR BRAND sheet metal products, canteens, etc.—Woolwine Metal Products Co., 8th & Santa Fe av, Los Angeles, Cal.
BEAR CAT battery switches—C. D. Wood Electric Co., 441 Broadway, New York.
BEARD-MACKIE gas indicators—American Safety Lamp & Mine Supply Co., Scranton, Pa.
BEARDSLEY malleable iron cross arms—Eastern Malleable Iron Co., Naugatuck, Conn.
BEAT-M. ALL spark plugs—A. R. Mosler & Co., Mt. Vernon, N. Y.
BEATRICE tank heaters—Dempster Mill Mfg. Co., Beatrice, Neb.
BEATS ALL carpet beaters—Beats All Mfg. Co., Fairmont, Minn.
BEATS ALL pressure reducing valves—Locke Regulator Co., Salem, Mass.
BEATTY & SONS bush hooks, butchers' cleavers and hatchets—John H. Black Co., Chester, Pa.
BEAU BRUMMEL liquid soap—West Disinfecting Co., 411 5th av, New York
BEAUMONT liquid soap—Samuel Lewis, 73 Barclay, New York
BEAUTY picture hooks—Forsyth Metal Goods Co., E. Aurora, N. Y.
BEAVER automobile engines—Beaver Mfg. Co., 1st and Oklahoma av, Milwaukee, Wis.
BEAVER easy working pipe threaders; square end pipe cutters—Borden Co., Warren, Ohio
BEAVER horse nails—Standard Horse Nail Co., New Brighton, Pa.
BEAVER hot air furnaces—Danville Stove & Mfg. Co., Danville, Pa.
BEAVER packing—H. Johnson Co., ft of Gates av, Jersey City, N. J.
BEAVER plaster boards—Beaver Co., 956 Beaver rd, Buffalo, N. Y.
BEAVER ready roofing—Chapman & Soden, 150 Oliver, Boston, Mass.
BEAVER safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
BECCO priming cups, spark plugs and wire terminals—Michigan Motor Specialties Co., 26 Dubois, Detroit, Mich.
BECKER oil pumps; die sinking; milling & profiling machines—Becker Milling Machine Co., Hyde Park, Mass.
BECKER pipe threaders—Handy Mfg. Co., Bridgeport, Conn.
BECKER telephone cable terminals—Central Tel. & Electric Co., 311 N. 11th, St. Louis, Mo.
BECKLEY'S composition blackboards—Beckley-Cardy Co., 312 W. Randolph, Chicago, Ill.
BECKTON WHITE lithopone—E. I. du Pont de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
BEDFORD hot water radiators—National Radiator Co., Johnstown, Pa.
BEDFORD screw drivers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
BED ROCK adjustable iron planes—Stanley Rule & Level Co., New Britain, Conn.
BEE babbitt metal and melting furnaces—Leddell Metals Co., 281 Borden av, Long Island City, N. Y.
BEE cotton mops—Estes Mills, Fall River, Mass.
BEE electric hair dryers & suction vacuum cleaners—Birtman Electric Co., Lake & Desplaines, Chicago, Ill.
BEECHER automobile wind shields—Limousine-Carriage Mfg. Co., 3515 S. Michigan av, Chicago, Ill.
BEECHER draft springs—Beecher Draught Spring Co., New Haven, Conn.
BEE HIVE urinal strainers—Milwaukee Brass Mfg. Co., 251 Laplan, Milwaukee, Wis.
BEE HIVE window reflectors—Curtis-Leger Fixture Co., 235 W. Jackson blvd, Chicago, Ill.
BEEKMAN mercury testing columns—Geo. W. Heiland, 107 W. 13th, New York
BEEKMAN plumbing specialties—Garrison Brass & Machine Wks, 107 W. 13th, New York
BEEKO electric bells—J. H. Bunnell & Co., 32 Park pl, New York
BEEMAN garden tractors—Beeman Garden Tractors Co., 311 6th av, S., Minneapolis, Minn.
BEERY bridle bits—Imperial Bit & Snap Co., Racine, Wis.
BEETLE insecticide dusters—Leggett & Bro., 301 Pearl, New York
BEGGS farm wagons—Beggs Wagon Co., Kansas City, Mo.
BEHRINGER gas main stoppers—Edw. A. Behringer, Inc., 98 Park pl, New York
BEILMAN-SEAMANS automatic water heaters—W. E. Beilman, Buffalo, N. Y.
BELAIR double heating stove—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
BELAND self feeding drills—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
BELCHER'S magazine cartridge loader tools—U. S. Cartridge Co., Lowell, Mass.
BELDEN rosin core solder—Belden Mfg. Co., 2316 S. Western av, Chicago, Ill.
BELDENAMEL enameled & magnet—Belden Mfg. Co., 2316 Western av, Chicago, Ill.
BELDENITE flexible cords & rubber covered wire—Belden Mfg. Co., 2316 Western av, Chicago, Ill.
BELDING patternmakers' fillet—Shanafelt Mfg. Co., Canton, Ohio
BELFIELD clay press cocks—Trenton Brass & Machine Co., Trenton, N. J.
BELGIAN table lamps—Dressel Railway Lamp Works, 3860 Park av, New York
BELIEVE ME toilet paper holders—Mumford Paper Mills, Inc., Mumford, N. Y.
BELL arc lamps—Bell Arc Light Co., 20 W. Houston, New York
BELL barrel creamery churns—Oakes & Burger Co., Cattaraugus, N. Y.
BELL drop hammers and steam hammers—Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
BELL dusters—S. Levy, 618 New Market, Phila., Pa.
BELL engine lathes—Bell Electric Motor Co., Garwood, N. J.
BELL fireproof & waterproof exterior paints—Acme Asbestos Covering & Supply Co., 404 N. Ada, Chicago, Ill.
BELL packing—Restin Clement Co., 133 N. 2nd, Phila., Pa.
BELL padlock locks—Slaymaker Lock Co., Lancaster, Pa.
BELLAMY mirrorscopes—Novelty Mfg. Co., Waterbury, Conn.
BELLE churns—J. McDermaid, Rockford, Ill.
BELLE CITY ensilage cutters, threshers & hand carts—Belle City Mfg. Co., Racine, Wis.
BELLE CITY fanning mills—Racine Implement Co., Racine, Wis.
BELLE CITY incubators & brooders—Belle City Incubator Co., Racine, Wis.
BELLE CITY threshers—International Harvester Co. of Am., Inc., Harvester bldg, Chicago, Ill.
BELLEFONTE lime—Palmer Lime & Cement Co., 103 Park av, New York
BELLEVILLE rice threshers—Harrison Mach. Works, Belleville, Ill.
BELLEVUE disc harrows & seeder attachments—Ohio Cultivator Co., Bellevue, Ohio
BELLEVUE lawn mowers—Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
BELL-FAST fish line sinkers—General Phonograph Corp., 25 W. 45th, New York
BELL'S maple sugar evaporators—C. S. Bell Co., Hillsboro, Ohio
BELMONT hose—Restin Clement Co., 133 N. 2nd, Phila., Pa.
BELMONT hose & packing—Restin Clement Co., 133 N. 2nd, Phila., Pa.
BELMONT packing & steam hose—Belmont Packing & Rubber Co., 133 N. 2nd, Phila., Pa.
BELMONT pig iron—Wheeling Steel & Iron Co., Wheeling, W. Va.
BELMONT rubber horseshoe pads—Firestone Tire & Rubber Co., Akron, Ohio
BELOIT bending rolls, forming machy, shears & punches—Hendley & Whitmore Co., Beloit, Wis.
BELTEX belt preservative—Chicago Belting Co., 125 N. Greene, Chicago, Ill.
BELTFILLER belt dressing—Chas. A. Schieren & Co., 30 Ferry, New York
BELT GRIP pulley covering—Belt Grip Pulley Co., 182 Breckenridge, Buffalo, N. Y.
BELTINE belt dressing—G. W. Gallaway, 322 Pearl, New York
BELTNOSLIP belt dressing—Druid Oak Belting Co., 111 E. Lombard, Baltimore, Md.
BELTZER autogenous welding—General Welding Co., Hoboken, N. J.
BEMAN oil cabinets, pumps, tanks & oil cans—Beman Automatic Oil Can Co., Meadville, Pa.

BEMCO automobile radiator covers, tennis racquet tire holders & mechanics' aprons—B. F. Mfg. Co., 18 W. 18th, New York
BEMIS sail cotton twine—Gulf Bag Co., 330 Notre Dame, New Orleans, La.
BEN-BOW desk telephone brackets—K. & B. Co., 497 N. 3rd, Phila., Pa.
BEN FRANKLIN GYPSUM LAND PLASTER fertilizer—U. S. Gypsum Co., 205 W. Monroe, Chicago, Ill.
BENCO sockets—Benjamin Electric Mfg. Co., 128 S. Sangamon, Chicago, Ill.
BENDHICKS conduit fittings—Fairmount Electric & Mfg. Co., 59th & Woodland, Phila., Pa.
BENE-MEREIER rifles—Colt's Patent Fire Arms Mfg. Co., Hartford, Conn.
BENGAL hot air furnaces—Floyd-Wells Co., Royersford, Pa.
BEN-HUR metal polish—Ben-Hur Metal Polish Co., Crawfordsville, Ind.
BENJAMIN blind hinges—Parker Wire Goods Co., Worcester, Mass.
BENJAMIN lumber load binders—American Logging Tool Co., Evart, Mich.
BENJAMIN screw drivers, socket wrenches, stove pipe braces & ventilating sash locks—National Mechanical Corp., 125 S. Racine, Chicago, Ill.
BENNET cable pullers & tile ditching machines—H. L. Bennet & Co., Westville, Ohio
BENNETT carbureters—Wilcox-Bennett Carbureter Co., 1030 Marshall, Minneapolis, Minn.
BENNETT curtain pole bracket & emery wheel dressers—Bay State Stamping Co., 380 Chandler, Worcester, Mass.
BENNETT typewriters—Bennett Typewriter Co., Harrisburg, Pa.
BENNETT HANDY oil hole covers & cups, oil & grease cups—Bay State Stamping Co., 380 Chandler, Worcester, Mass.
BENNINGTON scales—Bennington Scale Co., Bennington, Vt.
BENSEE compounds, core & parting—Bennett & Seeley, Inc., 833 Railroad av, Bridgeport, Conn.
BENSING brick cutting machinery—Fate-Root-Heath Co., Plymouth, Ohio
BENT FOOT plow stocks—S. R. White's Sons, Norfolk, Va.
BENTON radiator union nipple clutch—Jno. Simmons Co., 110 Centre, New York
BERG dry press—Anderson Foundry & Machine Works, Anderson, Ind.
BERGIE NATIONAL spark plug—Bergie National Spark Plug Co., 7th & 19th av, Rockford, Ill.
BERGOUGNAN rubber tires—Bergougnan Rubber Corp., Trenton, N. J.
BERGRADE automobile trunks—Berg Auto Trunk & Specialty Co., 400 Lafayette, New York
BERKELEY hydrated lime—Security Cement & Lime Co., Hagerstown, Md.
BERKSHIRE blast furnaces—Berkshire Iron Works, Chelsea, Mass.
BERKSHIRE foundry riddles, foundry vibrators & air squeezers—Berkshire Mfg. Co., Whitney Power blk, Cleveland, Ohio
BERKSHIRE refrigerators—Arlington Refrigerator Co., Arlington, Vt.
BERKSHIRE typewriter paper—Eaton, Crane & Pike Co., Pittsfield, Mass.
BERLIN universal wood working machines—Schaefer Mfg. Co., Berlin, Wis.
BERLING telephone magneto—Ericsson Mfg. Co., Buffalo, N. Y.
BERMICO fibre pipe—Colonial Supply Co., Pittsburgh, Pa.
BERMICO roofing paper—Brown Co., Portland, Me.
BERMUDEZ asphalt cements & road asphalt—Barber Asphalt Paving Co., Land Title bldg., Phila., Pa.
BERNARD bolt clippers, end cutting nippers, belt punches, ticket punches, & pliers & nippers—Wm. Schollhorn Co., New Haven, Conn.
BERNHARD hot water heaters & water tube boilers—Kanawha Mfg. Co., Charleston, W. Va.
BERRIGAN filter presses—J. J. Berrigan, Orange, N. J.
BERRIGAN filter presses—Worthington Pump & Machy. Corp., 115 Broadway, New York
BERRY box openers—Arcade Mfg. Co., Freeport, Ill.
BERRY damper regulators, feed water purifiers, feed water regulators, pump governors, safety water columns, tubular boilers & boiler feed pumps—Berry Engineering Co., Chester, Pa.
BERRY saddlery hardware & engine house hinges—Chas. E. Berry, Somerville, Mass.
BERRY water tube boilers—R. Wetherill & Co., Chester, Pa.
BERRYMAN feed water heaters—Patterson-Kelley Co., 26 Cortlandt, New York
BERRYMAN feed water heaters—Whitlock Coil Pipe Co., Hartford, Conn.
BERRYMAN feed water heaters & purifiers—Pratt & Cady Co., Inc., Hartford, Conn.
BERTHA spelter—New Jersey Zinc Co., 160 Front, New York
BERTHOUD fruit jar wrenches—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
BERTRAM metal polish—N. J. Paint Works, Jersey City, N. J.
BERTSCH blue & black prints—Louis Frey & Co., 50 John, New York
BERWICK electric rivet heaters—Am. Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
BERWICK detail paper—H. Reeve Angel & Co., Inc., 7 Spruce, New York
BESAW QUALITY pneumatic tires—Besaw Tire & Rubber Co., Hartville, Ohio
BESCO baking enamels—P. A. Mets Paint Co., 769 Clinton, Buffalo, N. Y.
BESLY disc, ring wheel & surface grinders, humidifying apparatus, magnetic chucks, polishing bands & feed tables—Chas. H. Besly & Co., 120 N. Clinton, Chicago, Ill.
BESSEMER gas engines & oil engines—Bessemer Gas Engine Co., Grove City, Pa.
BESSEMER oil cups—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
BESSEMER iron paints—Rinald Bros., 1142 N. Hancock, Phila., Pa.
BEST alarm clocks—W. L. Gilbert Clock Co., Winsted, Conn.
BEST boatspar varnishes—Newark Varnish Works, 116 Delancey, Newark, N. J.
BEST can openers—W. G. Browne Mfg. Co., Kingston, N. Y.
BEST coal chutes—National Mfg. Co., Sterling, Ill.
BEST coal chutes, cesspools, cistern covers, chimney caps & stock fountains—Sterling Foundry Co., Sterling, Ill.
BEST elevator & conveyor buckets—H. W. Caldwell & Son Co., 17th & Western av, Chicago, Ill.
BEST file handles—Troy File Works, Troy, N. Y.
BEST flint paper—H. H. Barton & Son Co., 109 S. 3rd, Phila., Pa.
BEST floor finish—Newark Varnish Works, 111 Delancey, Newark, N. J.
BEST fountain pen clips—Ansonia Novelty Co., Ansonia, Conn.
BEST gasoline & kerosene oil lamps & hand lanterns—Best Light Co., 477 Second, N. E., Canton, Ohio
BEST potato diggers—Wabers Mfg. Co., Racine, Wis.
BEST sad iron handles—Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
BEST shoe blackings—S. M. Bixby & Co., 46th & 2nd av, Brooklyn, N. Y.
BEST tractors—C. L. Best Gas Traction Co., Oakland, Cal.
BEST whip racks—John H. Best, Galva, Ill.
BEST BASS fish line—Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
BESTALLIC sheet packing—Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
BEST EVER metal polish—Endurance Autoil Co., Muncie, Ind.
BEST EVER oven thermometers—Electrical Appliance Mfg. Co., Waterbury, Conn.
BEST EVER plows—Moline Plow Co., Moline, Ill.
BEST EVER tank heaters—Kretchmer Mfg. Co., Council Bluffs, Ia.
BEST IN THE WORLD butchers blocks—Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.
BEST MAIDE bench grinders—Luther Grinder Mfg. Co., 285 S. Water, Milwaukee, Wis.
BESTMETAL babbitt metal—Lissberger, Marks & Son, 281 Borden av, Long Island City, N. Y.
BESTO optical goods—Bay State Optical Co., Attleboro, Mass.
BESTOVALL apartment & residence garbage receiver—Colonial Fireplace Co., 4631 W. 12th, Chicago, Ill.
BEST-OV-ALL shovels, spades & scoops, files & tool handles, packing—Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
BEST QUALITY brushes, clothes lines, dust cloths, dusters, cotton & polish mops, cotton rope, picture, spooled & stove pipe wire—E. H. Tate Mop & Cordage Co., 67 Sudbury, Boston, Mass.
BEST YET bath room fixtures & furnishings—Metal Crafters, E. Stroudsburg, Pa.
BEST YET pressed steel manheads—Lukens Steel Co., Coatesville, Pa.
BEST YET riveting machines—F. H. Smith Mfg. Co., 3047 Carroll av, Chicago, Ill.
BEST YET rubber cements—St. Louis Rubber Cement Co., 3046 Lambdin av, St. Louis, Mo.

BEST YET trucks—Turnbull Motor Truck & Wagon Co., Defiance, Ohio
BEST-YETTE varnish—Twin City Varnish Co., St. Paul, Minn.
BETARBEST babbitt metal—Ohio Metal Co., 1137 N. 4th, Columbus, Ohio
BETHAMY metallic gaskets—Metallo Gasket Co., New Brunswick, N. J.
BETHEL WHITE granite—Woodbury Granite Co., Hardwick, Vt.
BETHELL process of creosoted wood underground conduits—Michigan Pipe Co., Bay City, Mich.
BETHLEHEM gas engines, pumping engines & staybolt iron—Bethlehem Steel Co., South Bethlehem, Pa.
BETTS welding & cutting apparatus, sign flashers—Betts & Betts Corp., 513 W. 42d, New York
BETTY BRIGHT aluminum hollow ware—Massillon Aluminum Co., Massillon, Ohio
BE VE BE scythe—North Wayne Tool Co., Hallowell, Me.
BEVERLY pantry sinks—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
BEVERLY ratchet clutch handles & wheels—John S. Baker, Beverly, Mass.
BEYER counter-current barometric condensers—Ingersoll-Rand Co., 11 B'way, New York
BEYER steam condensers—Cresson-Morris Co., Allegheny av & 18th, Phila., Pa.
BIBB laundry stove & sanitary hot air furnaces—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
BICALKY air washers, roof ventilating fans & ventilators—Bicalky Fan Co., Buffalo, N. Y.
BI-CARS vehicles—W. J. Baker Co., Newport, Ky.
BICKFORD boring & turning & chucking machines—Bickford, H. & Co., Lakeport, N. H.
BICKNELL-THOMAS tapping chucks & machines—Bicknell-Thomas Co., Greenfield, Mass.
BICKNELL'S sanding & polishing machinery—Bicknell Mfg. & Supply Co., Janesville, Wis.
BICYCLE playing card—U. S. Playing Card Co., Park av, Norwood, Cincinnati, Ohio
BIDWELL bean threshers—Batavia Machine Co., Batavia, N. Y.
BIEDER grass catchers—Carl Hasseries, Central & Woodlawn av, Cleveland, Ohio
BIERCE cable rollers & guy anchors—Specialty Device Co., 106 W. 3rd, Cincinnati, Ohio
BIG-AN-LITTLE concrete mixers—Jaeger Machine Co., 490 Dublin av, Columbus, Ohio
BIG BEN alarm clocks—Western Clock Co., La Salle, Ill.
BIG BEN door hangers—Sharon Hardware Mfg. Co., Sharon, Pa.
BIG BEN vacuum cleaners—Clements Mfg. Co., 609 Fulton, Chicago, Ill.
BIG BILL padlocks—Sargent & Co., New Haven, Conn.
BIG BULL tractors—Bull Tractors Madison Motors Corp., 620 S. 3rd, Minneapolis, Minn.
BIG CHIEF furniture polish & metal polish—American Chemical & Mining Co., Atlanta, Ga.
BIG FOUR plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
BIG FOUR shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
BIG FOUR shoveling & end gate boards—Peoria Drill & Seeder Co., Peoria, Ill.
BIG 4 barn door hangers—National Mfg. Co., Sterling, Ill.
BIG-4 corner brace—Diehl Novelty Co., Glen Beulah, Wis.
BIG GIANT cotton seed hullers—Diamond Huller Co., Winona, Minn.
BIG GIANT picture hooks—Forsyth Metal Goods Co., E. Aurora, N. Y.
BIG GIANT tackle blocks—Pittsburgh Block & Mfg. Co., 818 South av, Pittsburgh, Pa.
BIG GIANT wire stretchers—Hunt, Helm, Ferris & Co., Harvard, Ill.
BIG IOWA corn & cob mills—New Winona Mfg. Co., Winona, Minn.
BIG JOE rail benders—What Cheer Tool Co., What Cheer, Ia.
BIGELOW concrete inserts—Dayton Malleable Iron Co., Dayton, Ohio
BIGELOW-HORNSBY water tube boilers—Bigelow Co., New Haven, Conn.
BIGETON concrete sockets—Fred. Liebrich, Monadnock blk., Chicago, Ill.
BIGGS noiseless chain pumps—B. F. Biggs Pump Co., Lafayette, Ind.
BIHLMAIR massage vibrators—W. D. Allison Co., Indianapolis, Ind.
BILAND railway track drills—Aldon Co., 3338 W. Ravenswood av, Chicago, Ill.
BI-LATERAL fire hose—Bi-Lateral Fire Hose Co., 326 W. Madison, Chicago, Ill.
BILCHACO enamels & cement floor coatings—Billings-Chapin Co., 1163 E. 40th, Cleveland, Ohio
BILL coaster wagons—South Bend Toy Mfg. Co., South Bend, Ind.
BILLET cattle ties—Alexander Halter Factory, Alexandria, Ohio
BILLINGS wrenches—Billings & Spencer Co., Hartford, Conn.
BILLOW fuel oil forges & appliances—National Supply Co., 416 W. Grand av, Chicago, Ill.
BI-LOOP hot water & steam radiators—Monitor Bi-Loop Radiator Co., Lancaster, Pa
BILTON gear hobbing, riveting & slotting machines, vises—Bilton Machine Tool Co., Bridgeport, Conn.
BINGHAM machinists' & coach makers' vises—Prentiss Vise Co., 110 Lafayette, New York
BINGHAM self-grinding rotating gauge cocks—Wm. Povell Co., Cincinnati, Ohio
BINGHAM'S gauge cocks—Chaplin-Fulton Mfg. Co., 34 Penn av, Pittsburgh, Pa.
BINGO alarm clocks—Western Clock Co., La Salle, Ill.
BINGO automobile snap fasteners—Crandal-Stone Division Brewer Titchener Corp., Binghamton, N. Y.
BINGO fly swatter—Lubbers & Bell Mfg. Co., Clinton, Ia.
BINKS vehicle washers, pneumatic spray brushes, white wash spraying machines & tire air pumps—Star Brass Works, 3114 Carroll av, Chicago, Ill.
BINKS CLEANALL blow guns—Star Brass Works, 3114 Carrol av, Chicago, Ill.
BINNE hard wax floor polish—Chas. H. Brown Paint Co., 262 Fulton, Brooklyn, N. Y.
BIR match safes—Barnes-Ross Co., Indianapolis, Ind.
BIRAM'S anemometers—B. K. Elliott Co., 126 6th, Pittsburgh, Pa
BIRD-ARCHER boiler compounds—Bird-Archer Co., 90 West, New York
BIRD barn door hangers—S. B. Martin, Dalton, Ohio
BIRD cold water paints—J. A. & W. Bird & Co., 88 Pearl, Boston, Mass.
BIRD rotary paper mill screens—Bird Machine Co., E. Walpole, Mass.
BIRDSELL farm wagons—Birdsell Mfg. Co., South Bend, Ind.
BIRMINGHAM pig iron—Sloss Sheffield Steel & Iron Co., Birmingham, Ala.
BIRMINGHAM rubber mill machinery—Birmingham Iron Foundry, Derby, Conn.
BISHOP car coupling handles—Handlan-Buck Mfg. Co., 210-14 W. 3rd, St. Louis, Mo.
BISHOP floor & ceiling plates—Beaton & Corbin Mfg. Co., Southington, Conn.
BISHOP time recorders—Bishop Calculating Recorder Co., 233 Broadway, New York
BISHOPRIC stucco & plaster boards—Bishopric Mfg. Co., 1453 Este av, Cincinnati, Ohio
BISHOPRIC'S SANTA MASTIC pitch—Bishopric Products Co., Spring Grove & Este av, Cincinnati, Ohio
BISHOP'S gauge glasses—F. H. Lovell & Co., Arlington, N. J.
BISMARCK German Portland cement—Hammill & Gillespie, 240 Front, New York
BISON belting—Boston Woven Hose & Rubber Co., Cambridge, Mass.
BISON corn & cob mills—Wolf & Co., Chambersburg, Pa.
BISON valve grinding compounds—Swan-Finch Co., 165 Broadway, New York
BISSELL commutators, light & power generators, switchboards & vacuum cleaners—F. Bissell Co., Toledo, Ohio
BISSELL plow coulters—Ohio Cultivator Co., Bellevue, Ohio
BISSELL'S carpet sweepers & vacuum sweepers—Bissell Carpet Sweeper Co., Grand Rapids, Mich.
BITOUS packing—Allen Packing Co. (Est. of), Collingswood, N. J.
BITUFLEX asphalt—Canfield Oil Co., 3210 E 55th, Cleveland, O.
BITU-MORTAR waterproofing materials—Bitu-Mortar Waterproofing Co., 332 E. 27th, New York
BI-UNE interior telephones—Electric Goods Mfg. Co., Canton, Mass.
BIVOLT flaming arc lamps—Felix Hamburger Co., 404 4th av, New York
BIX cotton mops—Bix Janitor Supply Co., 116 N 9th, St. Louis, Mo.
BLACKAT roofing cements & paints—Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
BLACK buggy steel sheets—Whitaker, Glessner Co., Wheeling, W. Va.

BLACK BEAUTY currycombs—C. J. Bailey & Co., 22 Boylston, Boston, Mass.
BLACK BIRD conveyor belting—Rossendale-Reddaway Belting & Hose Co., Newark, N. J.
BLACKBIRD kitchen sets—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
BLACKBORD cotton belting—Rossendale-Reddaway Belting & Hose Co., Newark, N. J.
BLACK BOY stove pipe enamels—Cambria Paint & Color Co., Ltd., Johnstown, Pa.
BLACKBURN ground connection clamps—Blackburn Specialty Co., 3409 Perkins av, Cleveland, Ohio
BLACKBURN guy clamps — Everstick Anchor Co., 1624 N. 8th, St. Louis, Mo.
BLACKBURN row-locks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
BLACK CHAMPION axes—Dunn Edge Tool Co., Oakland, Me.
BLACK CHAMPION scythes—Dunn Edge Tool Co., Oakland, Me.
BLACK CROSS packing—Revere Rubber Co., Chelsea, Mass.
BLACK DAZZLE baking enamels—Boston Varnish Co., Everett Station, Boston, Mass.
BLACK DEVIL canvas stitched belting—National Belting Co., Elyria, Ohio
BLACK DIAMOND axle grease—World Refining Co., Easton, Pa.
BLACK DIAMOND belt dressing & belt fasteners—Black Diamond Mfg. Co., 1219 Bank, Cincinnati, Ohio
BLACK DIAMOND belting—Acme Belting Co., Niles, Mich.
BLACK DIAMOND carbon paper & typewriter ribbons — Black Diamond Ribbon & Carbon Co., Rochester, N Y
BLACK DIAMOND case hardening compounds—Rogers & Hubbard Co., Middletown, Conn.
BLACK DIAMOND combination garment hanger—Dean & Williams Co., 4317 Elston av, Chicago, Ill.
BLACK DIAMOND core compounds—Black Products Co., 135th & Calumet, Chicago, Ill.
BLACK DIAMOND emery wheel dressers—J. L. Osgood Tool Co., Buffalo, N. Y.
BLACK DIAMOND files—G. & H. Barnett Co., 1076 Frederick av., Phila., Pa.
BLACK DIAMOND lunch boxes—Reading Saddle & Mfg. Co., Reading, Pa.
BLACK DIAMOND mine hangers—Electric Railway Equipment Co., Cincinnati, Ohio
BLACK DIAMOND miners' safety lamps — T. R Jones Co., Wilkes-Barre, Pa.
BLACK DIAMOND miners' safety lamps & mining picks—Hardsocg Mfg. Co., Ottumwa, Ia.
BLACK DIAMOND ovens—Roberts Portable Oven Co., 853 W. North av, Chicago, Ill.
BLACK DIAMOND packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
BLACK DIAMOND ready roofing—Barrett Co., 17 Battery pl, New York.
BLACK DIAMOND removable screw calks—Williams Drop Forging Co., Scranton, Pa.
BLACK DIAMOND shoe knives—Luck Mfg. Co., Brockton, Mass.
BLACK FLAG stove polish—John M. Wolf Co., 742 Flushing av, Brooklyn, N. Y.
BLACK GIANT paints—Swift Paint Co., 10550 Euclid av, Cleveland, O.
BLACK GIANT punch, shear & tire upsetter combined —Luther Mfg. Co., Olean, N. Y.
BLACK HAWK corn planters, drills, listers, clod crushers, manure spreaders & pulverizers—D. M. Sechler Implement & Carriage Co., Moline, Ill.
BLACK HAWK corn planters & manure spreaders—Oliver Chilled Plow Works, South Bend, Ind.
BLACK HAWK floor scrapers—Rock Island Mfg. Co., Rock Island, Ill.
BLACK HAWK hand shellers—A. H. Patch, Clarksville, Tenn.
BLACK HAWK packing—Revere Rubber Co., Chelsea, Mass.
BLACKHAWK socket wrenches—American Grinder Mfg. Co., 718 Poplar, Milwaukee, Wis.
BLACK HORSE toe-calks—Aetna Nut Co., Southington, Conn.
BLACK IMP ranges & stoves—Gray & Dudley Hdwe. Co., Nashville, Tenn.
BLACK JACK packing—H. Johnson Co., ft. Gates av, Jersey City, N. J.
BLACK JACK packing—Mulconroy Co., 54th & Jefferson, Philadelphia, Pa.
BLACK JACK packing—Walsh Packing Co., 304 New, Philadelphia, Pa.
BLACK JACK stove polish—Nickel Plate Stove Polish Co., 362 E. Illinois, Chicago, Ill.



BLACK JACK tank heaters—Hunt, Helm, Ferris & Co., Harvard, Ill.
BLACK KID stove polish—Nickel Plate Stove Polish Co., 362 E. Illinois, Chicago, Ill.
BLACK KNIGHT paints—National Roofing Co., Tonawanda, N. Y
BLACK LINE linen hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
BLACKMAN blowers, fans & ship ventilating apparatus—Howard & Morse, 45 Fulton, New York
BLACKOLA shoe blacking & polishes—World Polish Mfg. Co., York, Pa.
BLACKROCK plumbers' rubber goods—Canfield Rubber Co., Bridgeport, Conn.
BLACK SEAL rubber hose—Home Rubber Co., Trenton, N. J.
BLACK SILK stove polish—Black Silk Stove Polish Works, Sterling, Ill.
BLACKSMOKE braided hose, garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington Del.
BLACK SQUADRON packing—Cancos Mfg. Co., Garden & Bridge, Philadelphia, Pa.
BLACKSTONE clothes washing machines & wringers —Blackstone Mfg. Co., Jamestown, N. Y.
BLACKTHORN packing—Crandall Packing Co., Palmyra, N. Y.
BLACK TWIST auger bits—Job T. Pugh, 31st & Ludlow, Phila., Pa.
BLACK VELVET cushion springs—National Spring & Wire Co., Albion, Mich.
BLACK WING packing—Goodyear Rubber Co. & Rubber Clothing Co., 787 Broadway, New York
BLADES gunmetal lacing studs manufacturers'—Belt Hook Co., 1321 W. Congress, Chicago, Ill.
BLAIR firemen's axes—American Axe & Tool Co., Glassport, Pa.
BLAIR hog rings—Heesen Bros. Co., Tecumseh, Mich.
BLAIR hog rings—Wm. E. Pratt Mfg. Co., 55 W. Lake, Chicago, Ill.
BLAIR hog rings—F. P. Smith & Co., Sharon Hill, Pa.
BLAISDELL filter washing machines—Blaisdell Co., Pacific Electric bldg, Los Angeles, Cal.
BLAISDELL sewage ejectors—Blaisdell Machinery Co., Bradford, Pa.
BLAKE floor drains & cleanouts—Blake Specialty Co., Rock Island, Ill.
BLAKE insulated staples—Blake Signal & Mfg. Co., 251 Causeway, Boston, Mass.
BLAKE jaw crushers—Kennedy-Van Saun Mfg. & Eng. Corp., 120 B'way, New York
BLAKE lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
BLAKE rock crushers—Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
BLAKE rock crushers—Traylor Engineering & Mfg. Co., Allentown, Pa.
BLAKE rock crushers—Phillips & McLaren, Stephen Girard bldg, Pittsburgh, Pa.
BLAKE rock crushers—Walker Mfg. Co., Denver, Colo.
BLAKE screw driver & gimlet bits—C. E. Jennings & Co., 71 Murray, New York
BLAKE vises—Prentiss Vise Co., 110 Lafayette, New York
BLAKER concrete cars—J. L. Blaker, Blaker Mills, W. Va.
BLAKE'S belt fastener—Greene, Tweed & Co., 109 Duane, New York
BLAKESLEE smoked beef shavers—G. S. Blakeslee & Co., W. 19th & S. 52d av, Chicago, Ill.
BLAKESLEE veneer cutting machy.—American Blakeslee Mfg. Co., Birmingham, Ala.
BLANCHARD churns—Hall Bros. Co., West Acton, Mass.
BLANCHARD oil engines & surface grinders—Blanchard Machine Co., Cambridge, Mass.
BLANCHARD tire detacher tools—A. W. Blanchard, 101 Liberty, Brooklyn, N. Y.
BLAWFORMS concrete forms—Blaw-Knox Co., Freeport rd, Hoboken, Pa.
BLAW-RANSOME concrete mixers—Blaw-Knox Co., Freeport rd, Hoboken, Pa.
BLAW self-dumping buckets—Blaw-Knox Co., Freeport rd, Hoboken, Pa.
BLAZER salamanders—Jas. H. Channon Mfg. Co., 227 W. Erie, Chicago, Ill.
BLAZY paint & varnish—Blazy Paint & Varnish Co., Spencer, Toledo, Ohio
BLENIO PROCESS paints & varnish remover—Blenio Products Corp., 220 5th av, New York
BLESSING steam traps, valves & pump governors—Albany Steam Trap Co., Albany, N. Y.
BLEVNEY friction clutches, grinding & polishing machy.—Production Machine Co., Greenfield, Mass

BLIE LINE screw drivers—Harding Mfg. Co., Mansfield, Mass.
BLIGHTY decorative lights—C. D. Wood Electric Co., 441 Broadway, New York
BLISS presses, dies & special machinery—E. W. Bliss Co., 19 Adams, Brooklyn, N. Y.
BLITZ kitchen knives—Washington Cutlery Co., Watertown, Wis.
BLITZ paint & varnish remover—Eugene Arnstein, 45 W. 26th, Chicago, Ill.
BLITZGER transformers—Clapp-Eastham Co., Cambridge, Mass.
BLIZZARD air pumps—Bridgeport Brass Co., Bridgeport, Conn.
BLIZZARD ensilage cutters, fodder cutters, feed carriers, etc.—Jos. Dick Mfg. Co., Canton, Ohio
BLIZZARD hay knives—Dunn Edge Tool Co., Oakland, Me.
BLIZZARD ice cream freezers—North Bros. Mfg. Co., Lehigh av & American, Phila., Pa.
BLIZZARD insect guns—Thos. W. Houchin Co., 36 E. 12th, New York
BLIZZARD water coolers—Standard Stamping Co., Broadway & Chambers, St. Louis, Mo.
BLOCK gas & oil stoves—I. Block & Son, 393 Pearl, New York
BLOCKI garden cultivators & clover bunchers—F. Blocki Co., Sheboygan, Wis.
BLOCK LINE garden hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
BLOOD turret lathes—S. A. Woods Machine Co., 27 Damrell, Boston 27, Mass.
BLOOD'S axes—American Axe & Tool Co., Glassport, Pa.
BLOOD'S waterproofing materials—T. L. Blood & Co., 413 Wacouta, St. Paul, Minn.
BLOOMFIELD belting & packing—Combination Rubber Mfg. Co., Bloomfield, N. J.
BLOUNT gasoline engines—Blount Engineering Co., 100 High, Boston, Mass.
BLOUNT potato diggers—Blount Plow Works, Evansville, Ind.
BLOUNT IMPROVED door checks—Worcester Mfg. Co., Worcester, Mass.
BLOWER ensilage cutters—Silver Mfg. Co., No. 256, Salem, Ohio
BLUE BELL dry batteries—Western Electric Co., 463 West, New York.
BLUE BELL suction hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
BLUE BIRD clothes line reels—Hugro Mfg. Co., 327 S. La Salle, Chicago, Ill.
BLUE BIRD rubber belting—New York Rubber Co., Reade & Church, New York
BLUE BLOOD packing—Chas. L. Ireson, 221 High, Boston, Mass.
BLUE CENTER steel rope—John A. Roebling's Sons Co., Trenton, N. J.
BLUE CLIP crucible tool steels—Firth-Sterling Steel Co., McKeesport, Pa.
BLUE DIAMOND sheet packing—Combination Rubber Mfg. Co., Bloomfield, N. J.
BLUE EDGE brake linings—Woven Steel Hose & Rubber Co., Trenton, N. J.
BLUE END open hearth steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
BLUE GRASS axle grease—Indian Refining Co., 244 Madison av, New York
BLUE JACKET hatchets—Germantown Tool Works, 521 Market, Phila., Pa.
BLUE JAY brush breaker plows—Parlin & Orendorff Co., Canton, Ill.
BLUE LABEL safety fuse & miners' squibs—du Pont de Nemours & Co., E. I., Wilmington, Del
BLUE LABEL spring wire—Webb Wire Works, New Brunswick, N. J.
BLUE LINE logging tools—American Logging Tool Co., Evart, Mich.
BLUE LINE screw drivers—Harding Mfg. Co., Mansfield, Mass.
BLUE RIBBON belt dressing—Allen-Murphy Co., 125 W. 46th pl, Chicago, Ill.
BLUE RIBBON belt dressing, rope dressing, wire rope coating & lubricant—Jobbers' Mfg. Co., 327 S. La Salle, Chicago, Ill.
BLUE RIBBON cleanable collars & cuffs—Arlington Wks. (E. I. du Pont de Nemours & Co.), Wilmington, Del.
BLUE RIBBON corn brooms—Chas. Plunkett, 205 Duane, New York
BLUE RIBBON grass hooks—Dunn Edge Tool Co., Oakland, Me.
BLUE RIBBON kitchen enameled ware—National Enameling & Stamping Co., 411 5th av, New York
BLUE RIBBON metal polish, stove polish & automobile soap—International Metal Polish Co., Quill & Belt Ry av, Indianapolis, Ind.
BLUE RIBBON trunks—Tuttle & Clark, 187 E. Jefferson, Detroit, Mich.
BLUE RIBBON woven wire fences & wire poultry netting—Keystone Steel & Wire Co., Peoria, Ill.
BLUE RIVER lump lime—Louisville Cement Co., Louisville, Ky.
BLUE ROCK laundry tubs—New Haven Granite Works, New Haven, Conn.
BLUE ROCK shooting traps—Chamberlain Cartridge & Target Co., 514 Prospect av, Cleveland, Ohio
BLUE SEAL dry batteries—Manhattan Electric Supply Co., 17 Park pl, New York
BLUE SEAL padlocks—Slaymaker Lock Co., Lancaster, Pa.
BLUE SEAL rock wall plaster—Rock Plaster Mfg. Co., 381 4th av, New York
BLUE SEAL white lead—Wm. Waterall & Co., Camden, N. J.
BLUESKIN belt lacing—Henry K. Barnes Co., 284 Devonshire av, Boston, Mass.
BLUE STAR corn planters, pumps & windmills—Wistrand Mfg. Co., Galva, Ill.
BLUESTONE kitchen enameled ware—John Dunlap Co., Carnegie, Pa.
BLYSTONE concrete mixers—Blystone Mfg. Co., Cambridge Springs, Pa.
BOARDMAN pump governors—Locke Regulator Co., Salem, Mass.
BO-ARROW galvanized cross arms—Hubbard & Co., Pittsburgh, Pa.
BOB laundry stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
BOB WHITE hay revolving rakes—Ohio Rake Co., Dayton, Ohio
BOB WHITE toilet paper holders—A. P. W. Paper Co., Albany, N. Y.
BOCK automobile & bearings—Standard Parts Co., Hickox bldg, Cleveland, Ohio
BOCORSELSKI universal joints—Bausch Machine Tool Co., Springfield, Mass.
BODDEN flyers—Thos. Mayor & Son, 26 Olney, Providence, R. I.
BODE farm wagons—Bode Wagon Co., 1655 Central av, Cincinnati, Ohio
BOGART pianos & player pianos—Bogart & Co., 9 Canal pl, New York
BOHN dining car refrigerators & ice breakers—Bohn Refrigerator Co., 1340 Universal av, St. Paul, Minn.
BOHNITE case hardening compound—Springfield Facing Co., Springfield, Mass.
BOILERINE boiler compounds—Straus Boilerine Co., 50 Church, New York
BOIS D' ARC insulator pins & brackets—Central Telephone & Elec. Co., 310 N. 11th, St. Louis, Mo.
BOKERS' automatic razor stroppers—Boker Cutlery & Hardware Co., Inc., 101 Duane, New York
BOKO pails & buckets, collapsible—Defiance Welding Co., Defiance, Ohio
BOKOP tire heating furnaces & tire setters—Bokop, Webb & Palm, Defiance, Ohio
BOLAND all steel bushed roller chains & sugar cane carrier feeders—Boland Mach. & Mfg. Co., 1006 Tchoupitoulas, New Orleans, La.
BOLAND positive pressure blowers, centrifugal dryers, ventilating fans, polishing machines, vacuum pumps—H. J. Astle & Co., 118 Orange, Providence, R. I.
BOLAND sand blast machines—H. J. Astle & Co., 118 Orange, Providence, R. I.
BOLGER grease traps—Success Mfg. Co., Gloucester, Mass.
BOLINDERS meat & food choppers, saw mill & wood working machinery—Bolinders Co., 30 Church, New York
BOLIVIAN rubber hose—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
BOLLES reversible window sash—Aerial E. Bolles, 52 Duane, New York
BOLTE concrete mixers—Bolte Mfg. Co., Kearney, Neb.
BOLTON band saw patch & saw filing machinery—Baldwin, Luth & Bolton, Grand Rapids, Mich.
BOLTON cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
BOLTON hot water heaters—Detroit Heating & Lighting Co., Lieb & Wight, Detroit, Mich.
BONANZA crayons—Standard Crayon Mfg. Co., Danvers, Mass.
BONANZA fanning mills—Twin City Separator Co., 29th & Colfax av, Minneapolis, Minn.
BONANZA fruit & vegetable parers—Goodell Co., Antrim, N. H.
BONANZA gasoline blast furnaces—Turner Brass Works, Sycamore, Ill.
BONANZA harrows—Madison Plow Co., Madison, Wis.

BONANZA harrows—Rock Island Plow Co., Rock Island, Ill.
BONANZA lawn swings—Goshen Churn & Ladder Co., Goshen, Ind.
BONANZA BADGER lubricators—Chas. H. Besly & Co., 120 N. Clinton, Chicago, Ill.
BONAR gauge cocks—American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
BOND—journal bearings—Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
BOND CROWN corks—Bond Bottle Sealing Co., 501 Monroe, Wilmington, Del.
BONDKOTE waterproofing materials—Thompson & Co., 857 W. North av, N. S., Pittsburgh, Pa.
BONE BLACK water filter—Everson Filter Co., 70 W. Lake, Chicago, Ill.
BONHAM tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
BONITA carpet nails—Milwaukee Tack Co., 27th & Wahlav, Milwaukee, Wis.
BONNELL'S stove pipe enamels—Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
BONNER cement—Bonner Portland Cement Co., Kansas City, Mo.
BONNER life saving nets—S. F. Hayward & Co., 250 W. 54th, New York
BONNEY hollow augers—Buckeye Mfg. Foundry Co., 2046 W. 55th, Cleveland, Ohio
BONNEY hollow augers—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
BONNEY vises & wrenches—Bonney Vise & Tool Works, Allentown, Pa.
BONNIE hammer handles—American Handle Co., Jonesboro, Ark.
BONNOZ embroidery machines—Durbrow & Hearne Mfg. Co., 12 Wooster, New York
BON TON hot water radiators—South Park Foundry & Machine Co., St. Paul, Minn.
BONZANO rail step joints—Q. & C. Co., 90 West, New York
BOOLS oil & gasoline pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
BOOMER grass catchers—R. F. Krause, Zion City, Ill.
BOOMER hay carriers—Milwaukee Hay Tool Co., Milwaukee, Wis.
BOOMER hot air furnaces & steel ranges—Hess, Snyder Co., Massillon, Ohio
BOONE cement & wood fibre wall plaster—Southern Gypsum Co., North Holston, Va.
BOOSEY'S catch basin covers & water closet bends—Greenwood Mfg. Co., 540 Greenwood, Detroit, Mich.
BOOTH stock fountains—Maytag Co., Newton, Ia.
BORAX-ETTEE welding compounds—Cortland Welding Compound Co., Cortland, N. Y.
BORCHERDT fishing tackle boxes—Wilson F. Cortez Co., 159 W. Lake, Chicago, Ill.
BORCHERDT fishing tackle boxes—A. C. Kraft, 323 W. Lake, Chicago, Ill.
BORDEAU bucket spray pumps—Goulds Mfg. Co., 71 W. Fall, Seneca Falls, N. Y.
BORDEAUX spray nozzle—Deming Co., Salem, Ohio
BORDEAUX spray nozzles—F. E. Meyers & Bro., 900 4th, Ashland, Ohio
BORDEAUX water tube boilers—Toledo Shipbuilding Co., Toledo, Ohio
BORDEN'S grab hooks—Wallingford Mfg. Co., Wallingford, Vt.
BORDO swing joints, feed water regulators, water columns & valves—L. J. Bordo Co., 12th & Thompson, Phila., Pa.
BORGESON universal joints—Borgeson Mfg. Co., Inc., Monroe, Torrington, Conn.
BORON foundry flux—American Boron Products Co., Reading, Pa.
BOREAS air drill hose—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
BORO-SILICA glass insulators—Lock Insulator Mfg. Co., Victor, N. Y.
BORTHWICK saw sharpening machines—Henry Disston & Sons, Tacony, Phila., Pa.
BOSALT boiler compounds—Thomsen Chemical Co., Munsey bldg., Baltimore, Md.
BOSCH gas igniters—Bosch Magneto Co., 223 W. 46th, New York
BOSCO automobile lubricators—Beereis & Bossich Co., Div. of the Bossich Co., Bridgeport, Conn.
BOSLEY'S weather strips—D. W. Bosley Co., 122 S. Michigan av, Chicago, Ill.
BOSON engine lubricators—Wm. Powell Co., Cincinnati, Ohio
BOSS bath & basin traps—Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
BOSS bed & furniture casters—Tucker & Dorsey Mfg Co., Indianapolis, Ind.
BOSS boring machines—Hardware Specialty Mfg. Co., Anderson, Ind.



BOSS brick dryers—John C. Boss Co., Elkhart, Ind.
BOSS bucket pumps—B. F. Biggs Pump Co., Lafayette, Ind.
BOSS clothes washing machines—Boss Washing Machine Co., Cincinnati, Ohio
BOSS dinner pails—Sullivan-Geiger Co., Indianapolis, Ind.
BOSS feed cutters—Hocking Valley Mfg. Co., Lancaster, Ohio
BOSS floor scrapers—Geo. J. Kepplinger, Dwight, Ill.
BOSS gas engines, self-feeders & steam traction engines—Russell & Co., Massillon, Ohio
BOSS gas ranges & ovens—Huenefeld Co., Cincinnati, Ohio
BOSS gasoline engines—Walker Mfg. Co., Council Bluffs, Iowa
BOSS grain car loaders—Maroa Mfg. Co., Maroa, Ill.
BOSS hame fasteners—American Mfg. Co., Chattanooga, Tenn.
BOSS harrows—Anderson Company, 2324 University av, St. Paul, Minn.
BOSS harrows—Madison Plow Co., Madison, Wis.
BOSS hay carriers—Strickler Hay Tool Co., Janesville, Wis.
BOSS heel building machines—United Shoe Machinery Co., 205 Lincoln, Boston, Mass.
BOSS horse back bands — Couch Bros. Mfg. Co., Atlanta, Ga.
BOSS horse collar pads—Curtis-Dexter Co., Madison, Wis.
BOSS horse shoes—Mfrs. Iron & Steel Co., New Brunswick, N. J.
BOSS hose coupling—Dixon Valve & Coupling Co., 11th & Race, Phila., Pa.
BOSS joist anchor & timber caps—Church Appliance Mfg. Co., La Salle, Ill.
BOSS lawn swings—Thos. K. Barley, Sedalia, Mo.
BOSS lawn & garden rollers & wagon jacks—R. W. Whitehurst Mfg. Corp., Norfolk, Va.
BOSS leather aprons—California Tanning Co., 1905 Shenandoah av, St. Louis, Mo.
BOSS lemon squeezers—A. C. Williams Co., Ravenna, Ohio
BOSS metal key faucets—John Sommer Faucet Co., 355 Central av, Newark, N. J.
BOSS ore sacks—Colorado Tent & Awning Co., Denver, Colo.
BOSS outlet, locknut bushings & pipe caps—Belcher & Loomis Hdw. Co., 89 Weybosset, Providence, R. I.
BOSS outlet & locknut bushings—Electrical Specialty Mfg. Co., 49 Beaufort, Providence, R. I.
BOSS peanut roasters—Bartholomew Co., Peoria, Ill.
BOSS photographic lenses—Geo. Murphy (Inc.), 57 E. 9th, New York
BOSS plows—Collins Plow Co., Quincy, Ill.
BOSS riding listers—Peru Plow & Wheel Co., Peru, Ill.
BOSS road scrapers—Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
BOSS rubber washers—Combination Rubber Mfg. Co., Bloomfield, N. J.
BOSS shingle mill machinery—Davis Fdry. & Machine Works, Rome, Ga.
BOSS shoveling & end gate boards—Hayes Pump & Planter Co., Galva, Ill.
BOSS spring tooth attachments—G. A. Kelly Plow Co., Longview, Tex.
BOSS step ladders & flag pole fixtures—John Driver, San Leandro, Cal.
BOSS sugar cane strippers—American Mfg. Co., Chattanooga, Tenn.
BOSS tire air pumps—Cox Brass Mfg. Co., Albany, N. Y.
BOSS tube expanders—J. Faessler Mfg. Co., Moberly, Mo.
BOSS vises—Athol Machine Co., Athol, Mass.
BOSS HICKEY conduit benders—M. B. Skimer Co., 562 W. Washington, Chicago, Ill.
BOSTON ash sieves—Parker Wire Woods Co., Worcester, Mass.
BOSTON AUTO & adjustable automobile wrenches—Boston Auto Wrench Co., 31 State, Boston, Mass.
BOSTON barrel swings—Penn Hardware Co., Reading, Pa.
BOSTON bean & pea planters—Moline Plow Co., Moline, Ill.
BOSTON blind & shutter fasteners—Stanley Works, New Britain, Conn.
BOSTON blow-off tanks—R. Estabrook's Sons, 202 W. 1st, Boston, Mass.
BOSTON cleanouts—R. Estabrook's Sons, 202 W. 1st, Boston, Mass.
BOSTON cocks & bibbs—Peck Bros. & Co., New Haven, Conn

BOSTON cut racks; grooved pulleys, gears—Boston Gear Works, Quincy, Mass.
**BOSTON electric cable hangers—Condit Electrical** Mfg. Co., 1st & L, Boston, Mass.
**BOSTON electric wire cutters—H. K. Porter, Everett,** Mass.
**BOSTON hose nozzles—Boston Woven Hose & Rubber** Co., Cambridge, Mass.
**BOSTON glass door ovens—S. M. Howes Co., 40** Union, Boston, Mass.
**BOSTON goggles & eye protectors—Chicago Eye** Shield Co., 2300 Warren av, Chicago, Ill.
**BOSTON grease traps—R. Estabrook's Sons, 202 W.** 1st, Boston, Mass.
BOSTON heel plates—Louis Sacks, Inc., Wilson av, Newark, N. J.
**BOSTON incandescent renewed lamps—Boston Econ**omy Lamp Division, 43 Hospital, Providence, R. I.
**BOSTON organ motors—F. E. Whitney, 65 Sudbury,** Boston, Mass.
**BOSTON packing & gauge glass cutters—A. W. Ches**terton Co., 64 India, Boston, Mass.
**BOSTON paint & varnish remover—Boston Varnish** Co., Everett Station, Boston, Mass.
**BOSTON pencil sharpeners—Boston Specialty Corp.,** 261 Broadway, New York
BOSTON plasters, compounds—Standard Chemical & Supply Co., 172 2nd, East Cambridge, Mass.
**BOSTON pressure regulators—Geo. E. Gilchrist Co.,** 106 High, Boston, Mass.
**BOSTON range boilers—Dahlquist Mfg. Co., 40 W.** 3rd, S. Boston, Mass.
**BOSTON rubber hose & belting—Boston Belting Co.,** 84 Linden Park, Boston, Mass.
**BOSTON sand mixing machines—Barbour Stockwell** Co., Cambridge, Mass.
**BOSTON self-oiling hangers—American Tool & Ma**chine Co., 10 High, Boston, Mass.
**BOSTON sink brackets—Joseph H. Young Co., 82** High, Boston, Mass.
BOSTON sink strainers—Wickwire-Spencer Steel Corp., Worcester, Mass.
**BOSTON stoves—Chilson Furnace Co., Mansfield,** Mass.
**BOSTON tire benders—Butts & Ordway Co., 33 Pur**chase, Boston, Mass.
**BOSTON trace trimming machines—Campbell-Bos**worth Machine Co., 205 Lincoln, Boston, Mass.
**BOSTON water filter & water coolers—Boston Filter** Co., Chelsea, Mass.
**BOSTON whisk brooms—Halsted Brush Co., 71 Park** pl, New York
**BOSTON FIRE JACKET cotton & fire hose—Boston** Woven Hose & Rubber Co., Cambridge, Mass.
**BOSTON FORE & AFTER WASH automatic water** closet tanks—Jos. H. Young Co., 82 High, Boston, Mass.
**BOSTON GIANT park sprinklers—Spray Engn'g Co.,** 93 Federal, Boston, Mass.
BOSTON PATTERN row-locks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
**BOSTON TERRIER rubber hose—Boston Woven Hose** & Rubber Co., Cambridge, Mass.
**BOSTON STAR white & red lead—Chadwick-Boston** Lead Co., Boston, Mass.
BOSTON UNIVERSAL filing machines—Boston Tool & Mfg. Co., 262 Dover, Boston, Mass.
**BOSTROM levels—Bostrom-Brady Mfg. Co., Atlanta,** Ga.
**BOSTWICK belting & rubber hose—Voorhees Rubber** Mfg. Co., 18 Bostwick av, Jersey City, N. J.
**BOSTWICK metal lath, steel corner beads, wall plugs,** & wall ties—Bostwick Steel Lath Co., Niles, Ohio
**BOUGLE MERCEDES spark plugs—Herz & Co., 245** W. 55th, New York
BOULET'S test indicators—Jos. H. Boulet, Sebago Lake, Me.
**BOULTON'S improved pitless hopper scales—Dayton** Pitless Scale Co., Dayton, Ohio
**BOULT'S dovetail machines—American Steam Pump** Co., Battle Creek, Mich
**BOUND BROOK graphite bearings & washers—Bound** Brook Oil-Less Bearing Co., Bound Brook, N. J.
**BOURBON strain insulators—Creaghead Engng. Co.,** 340 Main, Cincinnati, Ohio
**BOURDON steam gauge springs—A. H. Wells & Co.,** Waterbury, Conn.
**BOURGEOIS feed water heaters—Kroeschell Bros.** Co., 440 W. Erie, Chicago, Ill.
BOVEE compound radiator & hot air furnaces—Bovee Furnace Works, Waterloo, Ia.
**BOW HOLD FAST rests—Thomson Mfg. Co., Water**town, Mass.
**BOW IDEAL garden rakes—Cronk & Carrier Mfg.** Co., 150 Lake, Elmira, N. Y.

**BOWDEN wire mechanism—Gwilliam Co., The, 23** Flatbush av, Brooklyn, N. Y.
**BOWER sewer gas traps—Monarch Brass Co., Cleve**land, Ohio
**BOWER BARFF builders' rustless hardware—Yale &** Towne Mfg. Co., Stamford, Conn.
**BOWES fire hose racks—W. D. Allen Mfg. Co., 566 W.** Lake, Chicago, Ill.
BOWES hose racks—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
**BOWES pneumatic hose couplings & air drill hose—** Cleveland Pneumatic Tool Co., 3734 E. 78th, Cleveland, Ohio
**BOWLIN'S FEATHERWEIGHT ice creepers—J. M.** Warren & Co., Troy, N. Y.
**BOWLUS joist drills—Bowlus Mfg. Co., Springfield, O.**
**BOWMAN coffee percolators—Geo. H. Bowman Co.,** 224 Euclid av, Cleveland, Ohio
**BOWMAN ditcher & grader—T. W. Snow Construc**tion Co., 117 N. Dearborn, Chicago, Ill.
**BOWMAN railroad ditching machines—United Iron** Works, Inc., Kansas City, Mo.
**BOWSER wire cloth racks—R. M. Bowser & Son, Ren**frew, Pa.
**BOWSHER corn mills & speed indicators—N. P.** Bowsher Co., South Bend, Ind.
**BOX padlocks—Slaymaker Lock Co., Lancaster, Pa.**
**BOX switch stands—Pettibone, Mulliken & Co., 140** S. Dearborn, Chicago, Ill.
BOX, WM. A. (The), Iron Works Co., mining & sugar machy., 309 Blake, Denver, Colo.
**BOXITE abrasive discs—Chas. H. Besly & Co., 120 N.** Clinton, Chicago, Ill.
BOXWOODENE desk rules—Up-to-Date Advertising, Canisteo, N. Y.
**BOYD brick presses—Chisholm, Boyd & White Co.,** 57th & Wallace, Chicago, Ill.
**BOYD chemical fire engines—James Boyd & Bro., 25th** & Wharton, Phila., Pa
**BOYD pig iron—Ashland Iron & Mining Co., Ash**land, Ky.
**BOYDEN sight feed lubricators—McNab & Harlin** Mfg. Co., 55 John, New York
**BOYD GENUINE** fruit jar caps—Ball Bros. Glass Mfg. Co., Muncie, Ind.
**BOYD'S pole snaps—Chas. E. Berry, Somerville, Mass.**
BOYER pneumatic heading, chipping & calking & riveting hammers, drills, pneumatic pile drivers, sand reamers, scaling hammers, stone carving & cutters' tools, stone surfacing & wood boring machines—Chicago Pneumatic Tool Co., 6 E. 44th, New York, N. Y.
BOYER speed indicating meters; pneumatic riveting, beading, chipping & calking hammers, drills; pneumatic pile drivers & piston drills, riveters & scaling hammers, & stone carving & cutters' tools —Chicago Pneumatic Tool Co., 6 E. 44th, New York, N. Y.
**BOYERS hay carriers & gliding settees—Goshen Mfg.** Co., Goshen, Ind.
**BOYLSTON packing & pump governors—Chicago En**gineer Supply Co., 68 W. Lake, Chicago, Ill.
**BOYLSTON steam traps—Western Kieley Steam Spe**cialty Co., 116 W. Illinois, Chicago, Ill.
**BOYLSTON valves—Boylston Steam Specialty Co.,** 116 W. Illinois, Chicago, Ill.
**BOYNTON barn door latches—Hammer & Co., Bran**ford, Conn.
**BOYNTON steam & hot water heaters—Boynton Fur**nace Co., 106 W. 37th, New York
**BOYNTON warp spools—U. S. Bobbin & Shuttle Co.,** 57 Eddy, Providence, R. I.
BOY SCOUT garden cultivators—Empire Plow Co., 3140 E. 65th, Cleveland, Ohio
**BRACE roof snowguards—Hamblin & Russell Mfg.** Co., Worcester, Mass.
**BRADDOCK rail joints—Carnegie Steel Co., Car**negie bldg, Pittsburgh, Pa.
**BRADFORD coal breaker machinery, coal & coke** crushers—Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.
**BRADFORD cotton softeners—Arabol Mfg. Co., 100** William, New York
**BRADFORD draft gear—Bradford Draft Gear Co.,** Atlanta, Ga.
**BRADFORD fire extinguishers—National Inspection** Co., 1617 Sansom, Phila., Pa.
BRADLEY BALL marking pots—A. J. Bradley Mfg. Co., 101 Beekman, New York
**BRADLEY carriage shaft couplers—C. C. Bradley &** Son, Syracuse, N. Y.
**BRADLEY gas producers—Duff Patents Co., Frick** bldg., Pittsburgh, Pa.
BRADLEY HERCULES grinding mill—Bradley Pulverizer Co., 92 State, Boston, Mass.
**BRADLEY hinges, hooks & shelf brackets—Atlas Mfg.** Co., New Haven, Conn.

BRADLEY pattern knives—Jas. Swan Co., Seymour, Conn.
BRADLEY THREE ROLL grinding mill—Bradley Pulverizer Co., 92 State, Boston, Mass.
BRADY drinking fountains—Prier Brass Mfg. Co., Kansas City, Mo.
BRADY junction boxes—Brady Electric Mfg. Co., New Britain, Conn.
BRADY'S brass irons—Brady Electric Mfg. Co., New Britain, Conn.
BRADY'S tobacco shears & socket wedges—Jno. B. Black Co., Chester, Pa
BRAINARD pulverizing machines—Midland Crusher-Pulverizer Co., 37 W. Vanburen, Chicago, Ill.
BRAMCO asbestos materials—Baltimore Roofing & Asbestos Mfg. Co., Asbestos, Md.
BRAMMER clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
BRAMWELL feeds—Clark Machine & Foundry Co., Franklin, Mass.
BRAMWELL feeds—Geo. S. Harwood & Son, Exchange bldg., Boston, Mass.
BRAND sash operating device—J. S. Thorn Co., 20th & Allegheny av, Phila., Pa.
BRANDEN rubber pump valves—Crosby Steam Gage & Valve Co., 40 Central, Boston, Mass.
BRANDES tool grinders—Springfield Mfg. Co., Bridgeport, Conn.
BRAND NEW emery grinders—Edwin A. Newton, 310 N. 4th, Philadelphia, Pa.
BRANDON sheet packing—H. Johnson Co., ft. Gates av, Jersey City, N. J.
BRANDT automatic cashier coin machines for paying change—Brandt Cashier Co., 1132 Wabash av, Chicago, Ill.
BRANDT potato & pump spray sprayers—Brandt Mfg. Co., 310 3d av, Minneapolis, Minn.
BRANDY fibre cleaning machines—Samuel Smith Machine Co., Lawrence, Mass.
BRANNAN paper folding machines—Dillon Mach. Co., Lawrence, Mass.
BRASCOLITE lighting fixtures—Luminous Unit Co., St. Louis, Mo.
BRASCOTT freight car ladders — Damascus Brake Beam Co., London rd & Nickel Plate, Cleveland, Ohio
BRASS BRIGHT metal polish—Manufacturers' Oil & Grease Co., Century bldg, Cleveland, O.
BRASSBRITE metal polish—Sherwin-Williams Co., Cleveland, Ohio
BRASSCRAFTERS bath room fixtures, tumbler holders, bathtub seats, metal frame mirrors, towel bars, medicine cabinets & needle & shower baths—J. P. Eustis Mfg. Co., Cambridge, Mass.
BRASSITE sheet packing—Geo. W. Knowlton Rubber Co., 60 Pearl, Boston, Mass.
BRASS KING metal washboards — National Washboard Co., 72 W. Adams, Chicago, Ill.
BRASS KOTE enamels—Northwestern Chemical Co., Marietta, Ohio
BRASS-NU metal polish—Nu Back Mfg. Co., 114 N. Commercial, St. Louis, Mo.
BRAUER acetylene gas machines—Brauer Acetylene Lighting Co., Marshalltown, Ia.
BRAUN centrifugals—Braun Electric Mfg. Co., Canal Dover, Ohio
BRAUN crucible muffle & bullion furnaces, ore samplers, hydro-carbon burners, laboratory crushers, pulverizers—Braun-Knecht-Heimann Co., 576-584 Mission, San Francisco, Cal.
BRAY gas burners—Wm. M. Crane Co., 16 W. 32d, New York.
BRAYMAN drain boxes & floor drains—Jiffy Fire Hose Rack Co., 725 7th av, New York
BRAZIL underground conduits—Brazil Hollow Brick & Tile Co., Brazil, Ind.
BRAZIL wrought iron turnbuckles—Republic Iron & Steel Co., Youngstown, Ohio
BRAZILIAN glue—Wood & Hare, 66 Leonard, New York.
BRAZIRON brazing compounds—A. & J. Mfg Co., 559 W. Lake, Chicago, Ill.
BREAKLESS stay bolts—Flexible Bolt Co., Thompson av, Pittsburgh, Pa.
BREAK NOT hydrometer—E. Edelmann & Co., 341 E. Ohio, Chicago, Ill.
BRECHT fertilizer dryers, evaporators & spice mills—Brecht Co., 1201 Cass av, St. Louis, Mo.
BRECKENRIDGE automatic air valves—H. B. Smith Co., Westfield, Mass.
"BREEK-BLOCK" spark plugs—A. R. Mosler & Co., Mt. Vernon, N. Y.
BREEZE gasoline strainers—Breeze Carbureter Co., 250 South, Newark, N. J.
BREMEN pumping engines—Bremen Mfg. Co., Bremen, Ohio



BRENLIN shade cloth—Chas. W. Breneman & Co., 2045 Reading rd, Cincinnati, Ohio
BRETAND Bessemer converters—J. V. Bretand, W. Gd. blvd, Detroit, Mich.
BREWICE paints for coating—Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
BREWSTER carriage fasteners—C. Cowles & Co., New Haven, Conn.
BRICKENSTEIN rural mail boxes—Brickenstein, I. B., Winston-Salem, N. C.
BRIDGEPORT air pumps—Bridgeport Brass Co., Bridgeport, Conn.
BRIDGEPORT foundry molding machines & molders' flasfls—Bridgeport Die & Machine Co., Bridgeport, Conn.
BRIDGEPORT paint & varnish remover—Bridgeport Wood Finishing Works (Du Pont)), Phila., Pa.
BRIDGEPORT putty knives—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
BRIDGMAN expansion joints, unions, vacuum valves, etc.—Bridgman Bros. Co., 131 S. 31st, Phila., Pa.
BRIEN hot air furnaces—Brien Heater Co., Westfield, Mass.
BRIER HILL malleable pig iron—Brier Hill Steel Co., Youngstown, Ohio
BRIGGS wrenches—Bemis & Call Hardware & Tool Co., Springfield, Mass.
BRIGGS-MILLER milling machines—Gooley & Edlund, Cortland, N. Y.
BRIGHT EYE lanterns—Burchwell Mfg. Co., Pontiac bldg., St. Louis, Mo.
BRIGHT IDEA steam heaters—Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
BRIGHTON fruit presses, cherry stoners, nut crackers, lemon squeezers, spice mills, tack hammers, tobacco counter cutters, ice shredders & clothes lines pulleys—Wrightsville Hardware Co., Wrightsville, Pa.
BRIGHTON horse nails—Standard Horse Nail Co., New Brighton, Pa.
BRIGHTON shoe lasts & stands—Wrightsville Hardware Co., Wrightsville, Pa.
BRIGHTWOOD journal bearings—Brightwood Brass Foundry, Springfield, Mass.
BRILL cars, snow plows & snow sweepers—J. G. Brill Co., 62nd & Woodland av, Phila., Pa.
BRILLIANT car signs—J. G. Brill Co., 62nd & Woodland av, Phila., Pa.
BRILLIANT IDEAL clothing wardrobes & show cases —M. L. Himmel & Son, 113 Gay, Baltimore, Md.
BRILLIANT metal polish—F. M. Trafton Co., 176 Federal, Boston, Mass.
BRILLIANTSHINE metal polish—E. W. Bennett & Co., 2000 16th W., San Francisco, Cal.
BRILLIANTINE enamel gold paints—Devoe & Raynolds Co., 101 Fulton, New York
BRILLION gasoline engines & clod crushers—Moline Plow Co., Moline, Ill.
BRIMO adjustable drawing table—Fred'k Post Co., 202 S. Clark, Chicago, Ill.
BRINELL hardness testing machines—Pittsburgh Instrument & Machine Co., 236 3d av, Pittsburgh, Pa.
BRINELL hardness testing machines, meters—Holz & Co., Inc., 18 Madison av, New York
BRINELL hardness testing instruments & machines—Sauveur & Boyleston, Cambridge, Mass.
BRISAM boiler compounds—British-American Chemical Co., Paterson, N. J.
BRISBEN emery wheel dressers — Cleveland Flue Cleaner Mfg. Co., 321 Frankfort av, N. W., Cleveland, Ohio
BRISBEN emery wheel dressers—Osborn-Crew Mfg. Co., 1628 E. 39th, Cleveland, Ohio
BRISTO safety set screws—Bristol Co., Waterbury, Conn.
BRISTOL clothes lines—Estes Mills, Fall River, Mass.
BRISTOL counting machines & revolution counters—Chas. J. Root, Bristol, Conn.
BRISTOL lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
BRISTOL pig iron—Virginia Iron, Coal & Coke Co., Roanoke, Va.
BRISTOL ring & surface grinders & hand & vertical milling machines—Bristol Machine Tool Co., Bristol, Conn.
BRISTOL rubber hose & packing—National India Rubber Co., Bristol, R. I.
BRISTOL steel fishing rods—Horton Mfg. Co., Bristol, Conn.
BRISTOL CARPENTER screw drivers—Turner & Deegan, Bristol, Conn.
BRISTOL'S belt fasteners, thermometers, pressure gauges, time recorders, planimeters & heat regulators—Bristol Co., Waterbury, Conn.
BRISTOL'S store trucks—Thos. Packer, Union City, Conn.

BRITE LITE miners' safety lamps—Harker Mfg. Co., 121-123 W. Third, Cincinnati, Ohio
BRITELITE trouble finding automobile lamps—American Enamel Co., Providence, R. I.
BRITTON evener regulators—Saco-Lowell Shops, Boston, Mass.
BROADBENT & BRIGHAMS hosiery winders—Arthur A. Brigham, Old South bldg, Boston, Mass.
BROADCAST fertilizer distributors—Richardson Mfg. Co., Worcester, Mass.
BROCKTON mop wringers—Brockton Mop Wringer Co., Brockton, Mass.
BROCKTON shower bath—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
BRO-GAR spark plugs—Brockett-Gorham Co., Marion, Ohio
BROHARD door stops & ventilating sash locks—Brohard Co., 3rd & Lehigh, Phila., Pa.
BRONCHO concrete mixers—Lansing Co., Lansing, Mich
BRONCHO BRAND lariates—Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.
BRONCHO GRIPPER exercisers—Parker Mach. Co., 221 High, Boston, Mass.
BRONCHO leather cloth—Zapon Leather Cloth Co., 200 5th av, New York
BRONCHO rubber hose & belting—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
BRONX ball cocks—Boston Brass Co., 135 Bacon, Waltham, Mass.
BRONX stoves—Union Stove Works, 70 Beekman, New York
BRONZE BALL rock crushers—Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
BRONZEX ball valve seats—Chas. N. Hough Mfg. Co., Franklin, Pa.
BRONZOLIN bronze powder & bronzing liquid—U. S. Bronze Powder Wks., Inc., 220 W. 42d, New York
BROOKE pig iron—E. & G. Brooke Iron Co., Birdsboro, Pa.
BROOKLYN Bridge cement—Consolidated Rosendale Cement Co., 50 Church, New York
BROOKLYN flint, sand & emery paper—Herman Behr & Co., 61 Broadway, New York
BROOKLYN fry pans—New York Stamping Co., N. 11th, Brooklyn, N. Y.
BROOKLYN metal lath—Brooklyn Metal Ceiling Co., 287 Greene av, Brooklyn, N. Y.
BROOKLYN refined sulphur—Battelle & Renwick, 80 Maiden lane, New York
BROOKLYN sink strainers—Silver & Co., 304 Hewes, Brooklyn, N. Y.
BROOKS cold tire setters—Brooks Machine Co., Wichita, Kans.
BROOK'S potentiometers—Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
BROOKS gauge glass gaskets & packing — Anchor Packing Co., Lafayette bldg., Phila., Pa.
BROOKVILLE farm wagons — Brookville Mfg. Co., Brookville, Pa.
BROOME surface heating concentrators—Bethlehem Foundry & Machine Co., South Bethlehem, Pa.
BROOMELL vapor heating system—Vapor Heating Co., North American bldg., Phila., Pa.
BROUGHTON cocks & bibbs—E. Stebbins Mfg. Co., Springfield, Mass.
BROUGHTON plaster mixers—W. D. Dunning, Syracuse, N. Y.
BROWDER life saving nets—Cory-Patterson Mfg. Co., Greenfield, Ohio
BROWN air tire pumps, shackle bolts & spark plugs —Brown Co., Syracuse, N. Y.
BROWN boiler compounds—American Oil & Lubricant Works, Rochester, N. Y.
BROWN enameled iron bath tubs—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
BROWN churns—M. Brown Co., Wapakoneta, Ohio
BROWN coil chain—Bridgeport Chain Co., Bridgeport, Conn.
BROWN cut-off couplings & gas engine clutches—Brown Clutch Co., Sandusky, Ohio
BROWN glass insulators—Brookfield Glass Co., 2 Rector, New York
BROWN hog rings—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
BROWN leaf spring oilers—Brown Spring Oiler Co., 6911 Carnegie av, S. E., Cleveland, Ohio
BROWN marine gears—Hyde Windlass Co., Bath, Me.
BROWN pipe tongs—Crane Co., 836 S. Michigan av, Chicago, Ill.
BROWN portable belt conveyors—Brown Portable Conveying Machy. Co., 10 S. La Salle, Chicago, Ill.
BROWN potato diggers—Peter Brown, Greeley, Colo.
BROWN-pulleys, pulley bushings & pulley oilers—Brown Engng. Co., Reading, Pa.
BROWN pyrometers, thermometers, pressure gauges, draft gauges, tachometers, time & operation recorders—Brown Instrument Co., Wayne & Windrim, Phila., Pa.
BROWN stalk cutters—Galesburg Coulter & Disc Co., Galesburg, Ill.
BROWN water closet shields—Brown Hoisting Machinery Co., 4403 St. Clair, N. E., Cleveland, Ohio
BROWN & BROTHERS seamless copper range boilers —Randolph-Clowes Co., Waterbury, Conn.
BROWN CHAMPION post hole diggers, farm wagons, fertilizer distributors—Brown Mfg. Co., Zanesville, Ohio
BROWNE hot air furnaces—Phillips Heating, Vent. & Mfg. Co., Los Angeles, Cal.
BROWNE ice picks—W. G. Browne Mfg. Co., Kingston, N. Y.
BROWNE rolled steel windows—Richey, Brown & Donald, Flushing av, Maspeth, N. Y.
BROWNHOIST locomotive cranes, grab & shoveling buckets—Brown Hoisting Machinery Co., 4403 St. Clair av, N. E., Cleveland, Ohio
BROWNIE cameras—Eastman Kodak Co., Rochester, N. Y.
BROWNIE megaphones—Kennebunk Mfg. Co., Milton, N. H.
BROWNIE splicing compound taps—Boston Woven Hose & Rubber Co., Cambridge, Mass.
BROWNS hog ringers—Chambers Bering, Quinlan Co., Decatur, Ill.
BROWN'S PERFECT seed corn testers—Burgess-Norton Mfg. Co., Geneva, Ill.
BROWN'S PERFECTION bolts, nuts & rivets—A. R. Brown, Erwin, Tenn.
BROWN'S pipe tongs—Ashcroft Mfg. Co., 119 W. 40th, New York
BROWN'S roller bearing wheels—Concord Axle Co., Penacook, N. H.
BROWN'S wagon skeins—American Skein & Foundry Co., Racine, Wis.
BRUBAKER'S cement sewer pipe machy.—Concrete Machy. & Supply Co., 2014 Santa Fe av, Los Angeles, Cal.
BRUCKNER smelting furnaces—Kennedy-Van Saun Mfg. & Eng. Corp., 120 B'way, New York
BRUNELLE steam & hot water heaters—F. X. Brunelle, Worcester, Mass.
BRUNNER air compressors—Brunner Mfg. Co., Utica, N. Y.
BRUNO compression grease cups—Wm. Powell Co., Cincinnati, Ohio
BRUNSVIGA adding machines—Carl H. Reuter, Land Title bldg., Phila., Pa.
BRUNSWICK asphalt mastic—Paul Uhlich & Co., 11 Cliff, New York
BRUNSWICK packing—Goetze Gasket & Packing Co., New Brunswick, N. J.
BRUNTON ore samplers—William A. Box Iron Works Co., 3309 Blake, Denver, Colo.
BRUNTON transits—Wm. Ainsworth & Sons, Denver, Colo.
BRUSH cloth mops—Brush Mop Co., 1133 B'way, New York
BRUYN round house smoke jacks—Mann-McCann Co., Fisher bldg, Chicago, Ill.
BRYAN folding counter seats—Bryan Novelty Mfg. Co., Bryan, Ohio
BRYAN-MARSH incandescent electric lamps—Bryan-Marsh Division, 623 S. Wabash, Chicago, Ill.
BRYAN store stools—Bryan Novelty Mfg. Co., Bryan, Ohio
BRYANT oil filters—Day Co., 1004 Lyndale, Minneapolis, Minn.
BRYANT snap & bush switches—Bryant Electric Co., Bridgeport, Conn.
BRYANT surface grinders—Bryant Chucking Grinder Co., Springfield, Vt.
BRYANT switches—Bryant Electric Co., Bridgeport, Conn.
BRYANT heaters & gas pressure regulators—Bryant Heater & Mfg. Co., 952 E. 72nd, Cleveland, Ohio
BRYANT-CLEVELAND arc light cut-outs—Bryant Electric Co., Bridgeport, Conn.
BRYDEN horse & mule shoes—Bryden Works, The, Catassauqua, Pa.
BRYT-O carriage top dressing—Glo-Co., East Orange, N. J.
BUBBLER toys, games & novelties—Chas. Schindler, Toledo, Ohio
BUCHANAN magnetic separators—Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
BUCHANAN plain crushing rolls & magnetic separators—C. G. Buchanan Co., 90 West, New York
BUCH'S feed cutters, root cutters & corn shellers—A Buch's Sons Co., Elizabethtown, Pa.
BUCK shovels, spades & scoops—Hubbard & Co., 63d & Butler, Pittsburgh, Pa.

BUCKET TYPE PROOFER bakers'—Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
**BUCKEYE agricultural wrenches, carriage, machine & tire bolts—Lamson & Sessions Co., 2188 Scranton rd, S. W., Cleveland, Ohio**
BUCKEYE automobile bumpers—Central Brass & Fixture Co., Springfield, O.
BUCKEYE cider mills, grain & rice planting drills—American Seeding Machine Co., Springfield, Ohio
**BUCKEYE engine & blue printing machines—Buckeye Engine Co., Salem, Ohio**
**BUCKEYE boiler cleaners—Buckeye Boiler Skimmer Co., Toledo, Ohio**
BUCKEYE can openers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
**BUCKEYE cleanser oil soap—Davies Young Soap Co., Dayton, Ohio**
**BUCKEYE common screw sticks—Chandler & Price Co., 6000 Carnegie av, Cleveland, O.**
**BUCKEYE concrete mixers—Buckeye Engine & Foundry Co., Joliet, Ill.**
BUCKEYE conduits & fences—Youngstown Sheet Tube Co., Youngstown, Ohio
**BUCKEYE drilling machines—Buckeye Tool & Machine Co., New Philadelphia, Pa.**
BUCKEYE farm trucks—International Harvester Co. of America, Inc., Harvester bldg, Chicago, Ill.
**BUCKEYE grindstones—Ohio Quarries Co., Citizens' bldg, Cleveland, Ohio**
**BUCKEYE hand carts—Kilbourne & Jacobs Mfg. Co., Columbus, Ohio.**
**BUCKEYE hose reels—Cardington Cabinet Co., Cardington, Ohio**
**BUCKEYE incubators & brooders—Buckeye Incubator Co., Springfield, Ohio**
**BUCKEYE jacks—Buckeye Jack Mfg. Co., Alliance, Ohio**
**BUCKEYE joists hangers—Columbian Hardware Co., Cleveland, Ohio**
BUCKEYE lamps—Buckeye Electric Works of G. E. Co., 1806 E. 45th, Cleveland, Ohio
BUCKEYE lawn mowers, pumps & pumping jacks—Mast, Foos & Co., Springfield, Ohio
BUCKEYE machinists' hand taps, receding pipe threaders, stock & dies—Hart Mfg. Co., Cleveland, Ohio
**BUCKEYE metal polish—Buckeye Chemical Co., Akron, Ohio**
**BUCKEYE metallic shingles—Thomas & Armstrong Co., London, Ohio**
BUCKEYE mowers—Moline Plow Co., Moline, Ill.
BUCKEYE packing—Crandall Packing Co., Palmyra, N. Y.
BUCKEYE pruning shears—Clyde Cutlery Co., Clyde, Ohio
BUCKEYE road scrapers & steel tubular barrows—Toledo Wheelbarrow Co., 2400 Bway., Toledo, O.
BUCKEYE saw sets & planes—Buckeye Mfg. & Foundry Co., 2046 W. 55th, Cleveland, Ohio
**BUCKEYE screen door hinges—Shelby Spring Hinge Co., Shelby, Ohio**
BUCKEYE shoe lasts & stands—Fate-Root-Heath Co., Plymouth, Ohio
BUCKEYE tack claws & pullers, pot scrapers, wire spring potato mashers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
BUCKEYE traction ditcher—Buckeye Traction Ditcher Co., Findlay, Ohio
**BUCKEYE twist drills—Buckeye Twist Drill Co., Alliance, Ohio**
BUCKEYE vitrified paving brick—Jno. Kline Brick Co., Wickliffe, Ohio
BUCKEYE warm air furnaces—Barber Mfg. Co., Ashtabula, Ohio
BUCKEYE water lifts—Buckeye Pump & Mfg. Co., Columbus, Ohio
BUCKEYE FORD shock absorbers—Central Brass & Fixture Co., Springfield, Ohio
BUCKING BRONCHO children's vehicles—Burgess-Norton Mfg. Co., Geneva, Ill.
**BUCKLEY hose expanders & coupling expanding machines—Larkin Mfg. Co., Dayton, Ohio**
**BUCKLEY NON-TANGLE flag pole fixtures—Forest E. Howes, 263 Northampton, Boston, Mass.**
BUCKLEY pyrometers—American Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, Mass.
BUCKLIN pea filler—Sinclair-Scott Co., Wells & Patapsco, Baltimore, Md.
BUCYRUS steam shovels—Bucyrus Co., South Milwaukee, Wis.
BUDA car replacers & rail benders—Buda Co., Railway Exchange bldg, Chicago, Ill.
BUDA-WILSON automatic feed drills—Buda Co., Railway Exchange bldg, Chicago, Ill.
BUDLONG harrows—Janesville Mach. Co., Janesville, Wis.
BUELL screw drivers—Buell Bros., Clinton, Conn.



**BUELL'S hollow handle tool sets—M. W. Robinson Co., 296 B'way, New York**
**BUERKENS farm wagons—Buerkens Mfg. Co., Pella, Ia.**
**BUFFALO aqua & anhydrous ammonia—Robinson Bros., Montrose av, Brooklyn, N. Y.**
**BUFFALO belt fasteners—Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.**
**BUFFALO brand blast furnaces—Buffalo Union Furnace Co., Buffalo, N. Y.**
BUFFALO brick carriers' clamps & salamanders—Mostberger Iron Co., 878 S. Division, Buffalo, N. Y.
BUFFALO cabinet makers clamps—E. E. Josef Mfg. Co., 14 Perry, Buffalo, N. Y.
BUFFALO centrifugals & rice mills—Geo. L. Squier Mfg. Co., 490 Broadway, Buffalo, N. Y.
BUFFALO clover bunchers & grain lifter guards—Eckhardt Mfg. Co., St. Paul, Minn.
BUFFALO curtain stretchers & quilting frames—Buffalo Stretcher Mfg. Co., 1422 Niagara, Buffalo, N. Y.
BUFFALO egg poachers—Republic Metalware Co., Buffalo, N. Y.
**BUFFALO electric hoists—Buffalo Hoist & Derrick Co., 131 Erie, Buffalo, N. Y.**
BUFFALO apple choppers & kraut cutters—John E. Smith's Sons Co., 50 B'way, Buffalo, N. Y.
BUFFALO forge blowers, tire upsetters & spray nozzles & ventilators—Buffalo Forge Co., Buffalo, N. Y.
**BUFFALO grain testers—Buffalo Scale Co., 120 Niagara, Buffalo, N. Y.**
**BUFFALO gravity-locking blind hinges—Wrightsville Hardware Co., Wrightsville, Pa.**
BUFFALO grips—Smith & Hemenway, Inc., 261H Broadway, New York; 130H Colt, Irvington, N. J.
**BUFFALO harness snaps—Frazer & Jones Co., Syracuse, N. Y.**
BUFFALO hay presses—Maytag Co., Newton, Ia.
**BUFFALO knife & scissor grinders & saw sharpening machines—Sam'l C. Rogers & Co., 10 Lock, Buffalo, N. Y.**
**BUFFALO lubricators, boiler injectors, gauge cocks & oil & grease cups, sight feed lubricators—Sherwood Mfg. Co., 1710 Elmwood av, Buffalo, N. Y.**
BUFFALO reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg, New York.
BUFFALO refrig'rs—Heinz & Munschauer, Buffalo, N.Y.
BUFFALO rubber packing—Acme Rubber Mfg. Co., Trenton, N. J.
BUFFALO staple pullers—Osmundson Spade Mfg. Co., Perry, Ia.
BUFFALO steam & hot water heaters—W. A. Case & Sons Mfg. Co., Buffalo, N. Y.
BUFFALO tinware—Aldrich Mfg. Co., Buffalo, N. Y.
BUFFALO valve & service boxes—Central Foundry Co., 90 West, New York
**BUFFALO valve & service boxes—Modern Iron Works, Quincy, Ill.**
BUFFALO vent wax cane compounds—United Compound Co., 228 Elk, Buffalo, N. Y.
BUFFALO water meters—Buffalo Meter Co., 2921 Main, Buffalo, N. Y.
BUFFALO GRIP comealongs—Western Electric Co., 463 West, New York
BUFFALO-PITTS steam road rollers—Buffalo Springfield Roller Co., Springfield, Ohio
BUFFALO-PITTS straw burning traction engines—Buffalo Pitts Co., Buffalo, N. Y.
BUFFALO PRESTO pneumatic spray brushes—Lederer, F. J. Co., 66 Forest av, Buffalo, N. Y.
BUFFALO-SILENT meat choppers & sausage making machinery—John E. Smith & Sons Co., Buffalo, N. Y.
BUFFINGTON automobile seats—C. A. Buffington & Co., Berkshire, N. Y.
BUFFINGTON folding seats—Fernald Mfg. Co., North East, Pa.
BUFFUM card printing presses—Buffum Tool Co., South Side, Louisiana, Mo.
BUFLOKAST gun iron castings, aniline apparatus, chemical plants & apparatus—organic nitrators, reducers, nitric & sulphuric recovery plants; phenol, beta naphthol, coal tar colors apparatus Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N. Y.
BUFLOVAK vacuum apparatus, vacuum dryers, drum, rotary, shelf, drying & impregnating apparatus & pumps, condensers, evaporators, horizontal tube, vertical tube, all cast iron, & crystallizing. Chemical castings, pre-heaters & salt filters—Buffalo Foundry & Machine Co., Winchester av, Buffalo, N. Y.

BUG-DEATH insecticides—Danforth Chemical Co., Leominster, Mass.
BUG-NO insecticides—Plunkett Chemical Co., 2540 Cottage Grove av, Chicago, Ill.
BUHL patented steam dryer—G. A. Buhl Co., 116 S. Green, Chicago, Ill.
BUILDERS gun carriages, manhole covers, polishing heads, lathes & machines, lapping machines & pneumatic tubes—Builders Iron Fdry., 9 Codding, Providence, R. I.
BULKLEY barometric condensers, steam condensers —M. W. Kellogg Co., 90 West, New York.
BULLARD carpet stretchers—Bradley & Farnham, Middlefield, Conn.
BULL-DOG acid phosphate—Union Seed & Fertilizer Co., Gretna, La.
BULL DOG auto grip anti-skidding chains—Ulfers-Mfg. Co., Freeport, Ill.
BULL DOG bale ties—Baling Tie Buckle Co., Waterloo rd, Cleveland, Ohio
BULL DOG battery connectors—American Ever Ready Works, Thompson av, Long Island City, N. Y.
BULL DOG battery connectors—National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, Ohio
BULL DOG bed & furniture casters—Faultless Caster Co., Evansville, Ind.
BULL DOG belt fasteners & lacing—Columbia Novelty Co., St. Louis, Mo.
BULL DOG belt lacers—Detroit Belt Lacer Co., Detroit, Mich.
BULL DOG baby carriage tires, belting, hose, packing, rubber heels, mats & insulating tape—Boston Woven Hose & Rubber Co., Cambridge, Mass.
BULL DOG boiler flue & tube cleaners—Elliott Co., Frick bldg, Pittsburgh, Pa.
BULL DOG bootjacks—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
BULL DOG bounce absorbers—Channon-Hughson Co., 227 W. Erie, Chicago, Ill.
BULL DOG can openers—Ira F. White & Son, Bloomfield, N. J.
BULL DOG clinch nails—G. G. Roberts Corp., Whitman, Mass.
BULL DOG closet seats—Grand Rapids Hand Screw Co., Grand Rapids, Mich.
BULL DOG coil chains & hammock chains—Chain Products Co., 3924 Cooper av, Cleveland, O.
BULL DOG concrete mixers—Raber & Lang Mfg. Co., Kendallville, Ind.
BULL DOG corn & cob mills—Letz Mfg. Co., Crown Point, Ind.
BULL DOG cutting nippers—Utica Drop Forge & Tool Co., Utica, N. Y.
BULL DOG cutting & drilling compounds & linseed oil soap—Climax Refining Co., Williamson bldg, Cleveland, Ohio
BULL DOG clinch nails—G. G. Roberts Corp., Whiting Mach. Co., 30 Church, New York
BULL DOG drill steel—International High Speed Steel Co., 99 Nassau, New York
BULL DOG fair gyratory rock & ore crushers—Traylor Engng. & Mfg. Co., Allentown, Pa
BULL DOG friction clutches—Beloit Iron Works, Beloit, Wis.
BULL DOG gas engines—Bates & Edmonds Motor Co., Lansing, Mich.
BULL DOG gasoline blow torches—Turner Brass Works, Sycamore, Ill.
BULL DOG guy clamps—Bronson-Walton Co., Cleveland, Ohio
BULL DOG guy clips & wire rope clips—Lamson & Sessions Co., 2188 Scranton rd, S. W., Cleveland, Ohio
BULL DOG hookaroon picks & logging tools—Warren Axe & Tool Co., Warren, Pa.
BULL DOG hose clamps—W. D. Allen Mfg. Co., 556 W. Lake, Chicago, Ill.
BULLDOG knife switches & switchboards, oil break switches—Mutual Electric Machine Co., 232 Fort, W. Detroit, Mich.
BULL DOG portable lamp guards—McGill Mfg. Co., Valparaiso, Ind.
BULL DOG lubricating oils & greases & linseed oil soap—Climax Western Oil Co., Minneapolis, Minn.
BULL DOG mop wringers—Bushnell Novelty Co., Mansfield, Ohio
BULL DOG padlocks—Sargent & Co., New Haven, Conn.
BULL-DOG paper mill grinders—Noble & Wood Machine Co., Hoosick Falls, N. Y.
BULL DOG parallel vises—Prentiss Vise Co., 110 Lafayette, New York
BULL DOG sash cord & sash chain fasteners—Allen & Son Co., Hartford, Conn.
BULL DOG shafting coupling & pulley bushings—Campbell Machinery Co., 35 W. 39th, New York
BULLDOG Special steel—International High Speed Steel Co., 99 Nassau, New York
BULL DOG steam pumps—Lucy Manf'g Corp., 233 Broadway, New York
BULLDOG steel—International High-Speed Steel Co., 99 Nassau, New York
BULL DOG steel shipping barrels—Toledo Steel Barrel Co., Toledo, Ohio
BULL DOG stock & dies—Oster Mfg. Co., 2057 E 61st pl, Cleveland, Ohio
BULL DOG steel toe calks—Phoenix Horse Shoe Co., Poughkeepsie, N. Y.
BULL DOG tinners' snips—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
BULL DOG varnish—Longman & Martinez, 54 Maiden la, New York
BULL DOG vises—Prentiss Vise Co., 103 Lafayette, New York
BULL DOG wall paper size—Cott-a-Lap Co., Somerville, N. J.
BULL DOG wall ties—American Rolling Mill Co., Middletown, Ohio
BULL-DOG window casement adjusters—Casement Hardware Co., 9 S. Clinton, Chicago, Ill.
BULL DOG wire stretchers—Mason Fence Co., Leesburg, Ohio
BULL DOG GRIP spring clothes pins—U. S. Clothespin Co., Montpelier, Vt.
BULLET gas automobile lamps—Gray & Davis, Boston, Mass.
BULL FROG barrows, concrete carts & drag road scrapers—Toledo Wheelbarrow Co., 2400 Broadway, Toledo, Ohio
BULL FROG shoe blackings—S. M. Bixby & Co., 46th & 2nd av, Brooklyn, N. Y.
BULL FROG shovels, spades and scoops—Ohio Shovel & Stamping Co., Canal Dover, Ohio
BULL FROG RIVALITE metallic packing—Strong Machinery & Supply Co., 21 Walker, New York
BULL MOOSE pneumatic tools—Ingersoll-Rand Co., 11 Broadway, New York
BULLOCK electric motors—Allis-Chalmers Co., Milwaukee, Wis.
BULLOCK tackle blocks—Jas. H. Channon Mfg. Co., 227 W. Erie, Chicago, Ill.
BULLOCK tweezers & wrenches—Bullock Mfg. Associates, Springfield, Mass.
BULL RUN powdered talc—Federal Foundry Supply Co., 2639 E. 79th, Cleveland, Ohio
BULL TONGUE guy anchors—I. A. Bennett Co., 112 W. Adams, Chicago, Ill.
BULL'S EYE lanterns—Knapp Mfg. & Supply Co., 241 Water, New York
BULL'S EYE lubricators—Nathan Mfg. Co., 416 E. 106th, New York
BULLSEYE smokeless pistol powder—Hercules Powder Co., Wilmington, Del.
BULL'S HEAD belting—Chas. A. Schieren & Co., 30 Ferry, New York
BULL'S HEAD carbonate of potash—J. A. & W. Bird & Co., 88 Pearl, Boston, Mass.
BULL'S HEAD flint paper—Armour Sandpaper Works, 1355 W. 31st, Chicago, Ill.
BULL'S HIDE GRAY carpet linings—Brown Co., Portland, Me.
BULLY BOY saw sets—Hy. Disston & Sons, Tacony, Phila., Pa.
BULLY SHINE shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
BUMPA automatic dumps—Sanford-Day Iron Works, Knoxville, Tenn.
BUMPER ore concentrators—McFarlane, Eggers Machinery Co., Denver, Colo.
BUNDY card time recorders—Simplex Time Recorder Co., Gardner, Mass.
BUNDY card time recorders—W. H. Bundy Recording Co., 135 5th av, New York
BUNDY steam traps—Nashua Machine Co., Nashua, N. H.
BUNDY steam & oil separators—Griscom-Russell Co., 92 West, New York
BUNDY time recorders—International Time Recording Co. of N. Y.—Endicott, N. Y.
BUNGALOW steam & hot water heaters & instantaneous water heaters—Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
BUNKER HILL lead—Bunker Hill & M. & C. Sullivan Co., Crocker bldg, San Francisco, Cal.
BUNKER HILL mining screens—Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo.
BUNKER HILL paint & varnish remover—Burbank & Ryder, Boston, Mass.
BUNTING bearings & bushings—Bunting Brass & Bronze Co., 738 Spencer, Toledo, Ohio
BUOY submarine hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
BUPRESCO paint spraying machines—Bradsto Appliances, Inc., 65 Main, Buffalo, N. Y.

BURBYOTTE glue—Burnet Mfg. Co., 64 Gold, New York, N. Y.
BURCH potato diggers & cast iron culverts—Burch Plow Works Co., Crestline, Ohio
BURCHARTZ fire proof doors—Burchartz Fireproofing Co., 26 Cortland, New York
BURD piston rings—Burd High-Compression Ring Co. Rockford, Ill.
BURDICT bolt heading machines—Howard Iron Works, Buffalo, N. Y.
BURGESS paper cop tubes—Chas. F. Taylor, 57 Weybosset, Providence, R. I.
BURGESS tires—Burgess Patent Tire Mfg. Co., Brookfield, Mo.
BURGESS warm air registers—Rock Island Register Co., Rock Island, Ill.
BURG-LA-PROOF automatic sash locks—B. L. P. Sales Co., Charlestown, Pa.
BURGMAN'S JANOS plate asbestos sheet packing—Feodor Burgman, 26 Cortland, New York
BURHORN water cooling towers—Edwin Burhorn Co., 71 Wall, New York
BURKE electrical motors—Burke Electric Co., Erie, Pa.
BURKE oil filters—Burke Furnace Co., 320 E. No. Water, Chicago, Ill.
BURKHARD adding machines—Carl H. Reuter, Land Title bldg., Phila., Pa.
BURLEIGH horse blankets—Thos. Kelly & Co., 89 Chauncy, Boston, Mass.
BURLEY steam & hot water heaters—Burley Heater Co., Tyrone, Pa.
BURLINGTON rubber tire applying machinery—Pettigrew Foundry, Harvey, Ill.
BURNON UNIVERSAL seed corn testers—Burgess-Norton Mfg. Co., Geneva, Ill.
BURNHAM air compressors & steam pumps—Union Steam Pump Co., Battle Creek, Mich.
BURNHAM steam & hot water heaters—Lord & Burnham Co., 30 E. 42nd, New York
BURNLEY dry batteries—Burnley Battery & Mfg. Co., North East, Pa.
BUR-NOR children's vehicles, counting machines, latches, sash locks, ice picks & shaves, cupboard catches, screw drivers, wire stretchers & tool handles—Burgess-Norton Mfg. Co., Geneva, Ill.
BURNS brackets & porcelain telephone mouthpieces—American Electric Co., 6401 S. State, Chicago, Ill.
BURNS crucibles—American Oil & Supply Co., 238 Wilson av, Newark, N. J.
BURNS ECONOMIC foundry molding machines—Syracuse Malleable Iron Works, Syracuse, N. Y.
BURNS EXPRESS telephone switchboards—Am. Electric Co., 6401 State, Chicago, Ill.
BURNSHINE metal polish—J. C. Paul & Co., 930 Roscoe, Chicago, Ill.
BURR belting—Burr Oak Belting Co., 521 Livingston, Cincinnati, Ohio
BURRITTS roofing seamers—O. W. Burritt & Bro., Weedsport, N. Y.
BURRO steel tubular harrows—Sidney Steel Scraper—Burroughs Tool Co., 87 Warren, New York
BURRO hack saw machines & screw slotting cutters Co., Sidney, Ohio
BURROWES FEATHER WEIGHT folding chairs—E. T. Burrowes Co., 70 Free, Portland, Me.
BURROWS ball bearing track jacks—Walter R. Burrows, 80 Maiden la, New York
BURROWS feed water regulators—Burrows Mfg. Co., York, Pa.
BURROWS talking machines—Burrows E. T. Co., Portland, O.
BURT billiard balls—Albany Billiard Ball Co., Albany, N. Y.
BURT cement—Burt Portland Cement Co., Bellevue, Mich.
BURT exhaust heads, oil filters & ventilators—Burt Mfg. Co., 40 Main, Akron, Ohio
BURT slime filters—Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
BURTON anti-rattlers—Bauer Bros. Mfg. Co., Richmond & Carr, Cincinnati, Ohio
BURTON gasoline & kerosene—Burton Engineering & Machinery Co., Spring Grove & Alabama avs, Cincinnati, Ohio
BUSHNELL damper regulators—Bushnell, John S. & Co., 146 Liberty, New York
BUSHNELL lawn swings—Bushnell Tank Works, Bushnell, Ill.
BUSINESS clothes lines—Estes Mills, Fall River, Mass.
BUSY lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
BUSY BOY gasoline engines—Associated Mfrs. Co., Waterloo, Iowa
BUTCHERS' BOSTON POLISH floor finish—Butcher Polish Co., 356 Atlantic av, Boston, Mass.



BUTLER auto truck trailers—Butler Co., Butler, Ind.
BUTLER boat cushions—Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.
BUTLER COMBINATION steel corn cribs—Butler Mfg. Co., Kansas City, Mo.
BUTLER FURNACE—Hot air furnaces—Zieg, F. B. Mfg. Co., Fredericktown, Ohio
BUTMAN'S flue scrapers, rod cleaners—James McCrea & Co., 562 W. Washington, Chicago, Ill.
BUTTERFLY rock drills & plug drills—Ingersoll-Rand Co., 11 Broadway, New York
BUTTER-KIST pop corn machines—Holcomb & Hoke Mfg. Co., Indianapolis, Ind.
BUTTERNUT faucets—Chas. I. Allen, Pequabuck, Conn.
BUTTERS centrifugal pumps—Meese & Gottfried Co., 660 Mission, San Francisco, Cal.
BUTTON'S combination pliers—Irving Mfg. & Tool Co., 157 Chambers, New York
BUXTON garment hangers—L. A. W. Novelty Co., Springfield, Mass.
BWAXO dust & floor brushes, dusters, dust cloths, cloth comb mops—Wax Brush Co., 56 Sanford, Boston, Mass.
BYERLYTE asphalt cements & waterproofing materials—Byerly & Sons, 2489 W. 4th, Cleveland, Ohio
BYER'S hoisting engines—Jno. F. Byers Machine Co., 242 S. Sycamore, Ravenna, O.
BYLLESBY wishbone cross arms—R. Thomas & Sons Co., East Liverpool, O.
BYRAM foundry plant equipments & tumbling mills—Central Foundry Supply Co., P. O. Box 945, Columbus, Ohio
C fire resisting cements—Howard Co., New Haven, Conn.
C nickel babbitt metal—A. Gilbert & Sons Brass Fdry. Co., 4019 Forest Park blk, St. Louis, Mo.
C. sad irons—Colebrookdale Iron Co., Pottstown, Pa.
C-A-W wood preservatives—C-A-Wood Preserver Co., Fullerton bldg, St. Louis, Mo.
C. BACHE-WIIG barking drums—Baker Mfg. Corp., Saratoga Springs, N. Y.
C. B. B. hame fasteners—Covert Saddlery Works, Interlaken, N. Y.
C. B. Co. compression couplings—Chain Belt Co., Milwaukee, Wis.
C. B. & Q. tedder hay racks—Rock Island Plow Co., Rock Island, Ill.
C. B. S. packing—Western Rubber Co., Goshen, Ind.
C. B. S. packing—Whitehead Bros. Rubber Co., Trenton, N. J.
C. C. chain—Columbus McKinnon Chain Co., Columbus, Ohio
C. C. CO. cutlery—Canton Cutlery Co., Canton, O.
C. C. crane & dredge chains—Columbus McKinnon Chain Co., Columbus, Ohio
C. C. disinfectants—H. C. Dusenberry (Inc), 95 Gold, New York.
C. C. packing—Crane Co., 836 S. Michigan av, Chicago, Ill.
C-C springs—Standard Pts. Co., Cleveland, Ohio
C. C. BROOKS hooks, knives & scythes—North Wayne Tool Co., Hallowell, Me.
C. C. PARSONS aqua & anhydrous ammonia—Columbia Chemical Works, Bush Terminal, Brooklyn, N. Y.
C. C. WAIS punching & shearing machinery—Covington Machine Co., Covington, Va.
C. C. C. anti-freezing compounds—Corliss Mfg. & Supply Co. 1906 Olive, St. Louis, Mo.
C. C. C. belt cements, belt dressing, boiler compounds, shoe stains—Corliss Mfg. & Supply Co., 1906 Olive, St. Louis, Mo.
C. C. C. boiler compounds—Continental Chemical Co., 119 S. 4th, Philadelphia, Pa.
C. C. C. closet cleaners & chemical compound & pipe opener. Allan J. Coleman, 208 N. Wabash av, Chicago, Ill.
C. E. J. & CO.'S saws, knives, nail sets, bits, chisels, borers, wall strapers, screw drivers, levels & slicks—C. E. Jennings & Co., 71 Murray, New York
C. F. C. & CO. manganese steel track work—Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, Ohio
C. F. M. core wash—Smith Facing & Supply Co., 1857 Carter rd, Cleveland, Ohio
C. G. cotton softeners—E. F. Houghton & Co., 240 W. Somerset, Phila., Pa.
C-H switches, speed regulators, machine tool controllers, rheostats—Cutler Hammer Mfg. Co., Milwaukee, Wis.
C. H. WHEELER-THYSSEN pumps—C. H. Wheeler Mfg. Co., Lehigh av & N. 18th, Phila., Pa.
C. H. & E. hoists, pumps, saw rigs—C. H. & E. Mfg. Co., 384 Clinton, Milwaukee, Wis.

C. I. rubber packing—Whitehead Bros. Rubber Co., Trenton, N. J.
C. L. tanners' oils—E. F. Houghton & Co., 240 W. Somerset, Phila., Pa.
C. L. E. hose nozzles—John Simmons Co., 110 Centre, New York.
C. M. shipping pails—Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
C M insulated wire—National India Rubber Co., Bristol, R. I.
C. M. B. adjustable wrenches—C. M. H. Wrench Co., Garwood, N. J.
C. M. DAY mining picks—Salem Tool Co., Salem, Ohio
C. N. W. register cord splicers—Chas. N. Wood Co., 14 Federal, Boston, Mass.
C-O type oil engines—Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
C. O. S. packing—Western Rubber Co., Goshen, Ind.
C. O. T. carriage top dressing—Chas. O. Tingley & Co., Rahway, N. J.
C. P. aqua & anhydrous ammonia—Baker & Adamson Chemical Co., Easton, Pa.
C. P. churns—Creamery Package Mfg. Co., 61 W Kinzie, Chicago, Ill.
C. P. 90 per cent & straw colored benzol refiners—National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
C. P. special industrial starch—Corn Products Refining Co., 17 Battery pl, New York
C. P. P. paint—Carbon Preservative Paint Co., Salt Lake City, Utah
C. S. C. dustless mops—Cedar-Sweep Co., Los Angeles, Cal.
C. S. G. deadening felts—C. S. Garrett & Son Co., 21 Decatur, Phila., Pa.
C. S. O. & CO. scalloping machines—C. S. Osborne & Co., Box 183, Newark, N. J.
C. & C. edgers—Chicago Laundry Machinery Co., 119 N. Canal, Chicago, Ill.
"C & C" edger—Chicago Laundry Machy Co., 213 W. Grand av, Chicago, Ill.
C. & C. ironers—American Laundry Machinery Co., Norwood, Cincinnati, Ohio
C. & C. lawn trimmers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
C. & C. starchers—Geo. H. Bishop, 550 W. Washington, Chcago, Ill.
C. & D. closet seats & tanks—Coyne Delany Co., 832 Kent av, Brooklyn, N. Y.
C. & F. knitting machinery—Ainslie Knitting Machine Co., 281 Ainslie, Brooklyn, N. Y.
C. & F. screw drivers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
C. & G. warp stop motions—Coldwell Gilard Co., 95 Milk, Boston, Mass.
C. & H. Babbitt Metal—Lake Superior Brass Foundry Co., Laurium, Mich.
C. & H. milk cooler—Cordley & Hayes, 7 Leonard, New York
C. & S. tire air pumps—Codman & Shurtleff, 120 Boylston, Boston, Mass.
C. & W. telegraph & wireless telegraph instruments—Cutting & Washington, Inc., 26 Portland, Cambridge, Mass.
CABINET hose racks—Chas. Zuhring & Bro., 1212 Walnut, Cincinnati, Ohio
CABLE COMPOUND cable grease—Climax Refining Co., Williamson bldg, Cleveland, Ohio
CABLE hot air furnaces—E. B. Colby & Co., Hoboken av, Jersey City, N. J.
CABLEINE wire rope coating—Strong Machinery & Supply Co., 21 Walker, New York
CABLE PRINCE pumps, engines, etc.—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
CABOT'S insulating & sheathing paper—Samuel Cabot (Inc.), 141 Milk, Boston, Mass.
CACTUS lawn sprinklers—American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
CADET BLUE kitchen enameled ware—Belmont Stamping & Enameling Co., New Phila., Ohio
CADET heating stove—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
CADET oil pump lubricators—Wm. Powell Co., Cincinnati, Ohio
CADILLAC hand vacuum cleaners & carpet sweepers—Clements Mfg. Co., 609 Fulton, Chicago, Ill
CADILLAC SPECIAL vacuum cleaners—Chas. W. Emery, 2036 N. 13th, Phila., Pa.
CADO ink brush erasers—Cushman & Denison Mfg. Co. 240 W. 23rd, New York
CAFFREY whip socket fasteners—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
CAFREY-HUNTINGTON track engines—Buda Co., Railway Exchange bldg., Chicago, Ill.
CAHILL ferrules—M. F. Cahill, 710 E. 2d, Boston, Mass.
CAHILL fire-place furnishings—Chattanooga Roofing & Fdry Co., Chattanooga, Tenn.
CALARIA stearine pitch—Moore & Munger, 29 Broadway, New York
CALCINO wall finish—Muralo Company, Richmond Terrace, New Brighton, Boro. of Richmond, N. Y.
CALCITINE cold water calcimine or wall finish—M. Ewing Fox Co., 241 E. 136th, New York
CALCO iron flumes, road culverts, signs, tanks & sluice gates—California Corrugated Culvert Co., Berkeley & Los Angeles, Cal.
CALCUTTS wire automobile belts—Gardner Wire Co., 520 N. Parkside av, Chicago, Ill.
CALDWELL door checks—Caldwell Mfg. Co., Rochester, N. Y.
CALDWELL grantesters & pulleys, pan conveyors, elevator boots, car pullers & power transmitting machinery—H. W. Caldwell & Son Co., 17th & Western av, Chicago, Ill.
CALDWELL hose clamps—W. D. Allen Mfg. Co., 566 W Lake, Chicago, Ill.
CALDWELL lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
CALDWELL tank alarms & tank lugs—W. E. Caldwell Co., Louisville, Ky.
CALDWELL-WALKER gears—H. W. Caldwell & Son Co., 17th & Western av, Chicago, Ill
CALEDONIAN front brick—Fiske & Co., 25 Arch, Boston Mass
CALF cattle dehorners—L. A. Sayre & Son, 332 Mulberry, Newark, N. J.
CALHOUN cotton rope—Anniston Cordage Co., Anniston, Ala.
CALIDO nickel-chromium wire—Electrical Alloy Co., Morristown, N. J
CALIFORNIA hay forks—F. E. Myers & Bro., Ashland, Ohio
CALIFORNIA knives & spoons—Ontario Knife Co., Franklinville, N. Y.
CALIFORNIA pruning shears—Smith, Seymour & Son, Oakville, Conn.
CALIFORNIA safety cargo hooks—Thos. Laughlin Co., Portland, Me.
CALIFORNIA trace carriers—North & Judd Mfg. Co., New Britain, Conn.
CALIFORNIA vegetable parers—Ira F. White & Son Co., Bloomfield, N. J.
CALIPERS WHICH INDICATE calipers—Indicating Caliper Co., 506 E 19th, New York
CALISBESTOS gaskets & packing—General Asbestos & Rubber Co., Charleston, S. C.
CALK horse shoe pads—Revere Rubber Co., Chelsea, Mass.
CALLAHAN hose nozzles—Cornelius Callahan Co., 127 Purchase, Boston, Mass.
CALLANS glue—Wood & Hare, 66 Leonard, New York
CALLIAN foundry cupolas—Central Foundry Supply Co., P. O. Box 945, Columbus, Ohio
CALLOW belt screens & settling tanks—Galingher Machinery Co., Salt Lake City, Utah
CALMAN'S wood fillers—Emil Calman & Co., 100 William, New York
CALOVA enamels—Standard Varnish Wks., 90 West, New York
CALOREX—burners, cocks & furnaces—W. N. Best, Inc., 11 B'way, New York
CALORIC fireless cookers—Caloric Co., Janesville, Wis.
CALORIC pipeless hot air furnaces—Monitor Stove Co., C. H. & D. R. R. N Gest, Cincinnati, Ohio
CALUMET cotton hose—Mechanical Rubber Co., 73 Reade, New York
CALUMET oil pump lubricators—J. E. Lonergan Co., 211 Race, Phila., Pa.
CALUMET railway track drills—Crerar Adams & Co., 239 E Erie, Chicago, Ill.
CALUMET traveling cranes—Calumet Foundry Equipment Co., Harvey, Ill.
CALUMET track drills—Crerar Adams & Co., 259 E. Erie, Chicago, Ill.
CALVET desk telephone brackets—Lee Electric Co., 219 N. Calvert, Baltimore, Md.
CALVERT cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
CALYPSAL lubricating oils & greases—Swan & Finch Co., 165 Broadway, N. Y.
CALYX core drills—Ingersoll-Rand Co., 11 Broadway, New York
CAMARET roofing tin—Merchant & Evans Co., Washington av & 21st, Phila., Pa.
CAMARGO shade cloth—Chas. W. Breneman & Co., 2045 Reading rd, Cincinnati, Ohio
CAMBRIDGE corn and metal bound mill brooms—Mass. Commission for the Blind, Cambridge, Mass.
CAMBRIDGE dental engines—Sterling Dental Mfg. Co., 120 Boylston, Boston, Mass.

CAMBRIDGE RIGID REVERSIBLE metal lath—American Sheet & Tin Plate Plate Co., Frick bldg., Pittsburgh, Pa.
**CAMBRIDGE traps—Joseph H. Young Co., 82 High, Boston, Mass.**
**CAMBRO shade cloth—Western Shade Cloth Co., 21st & Jefferson, Chicago, Ill.**
**CAMDEN grease cups—Lindholm Metal Stamping Co., Camden, N. J.**
**CAMEL belting & belt dressing—Rossendale-Reddaway Belting & Hose Co., Newark, N. J.**
CAMEL journal bearings—Climax Bearing Co., Vinton bldg, Detroit, Mich.
**CAMEL HAIR belting—Rossendale-Reddaway Belting & Hose Co., Newark, N. J.**
**CAMEO rubber belting & hose—New York Rubber Co., Reade & Church, New York**
**CAMEO typewriter ribbons—H. M. Storms Co., 11 Vandewater, New York**
**CAMERAGRAPH copying machines — Cameragraph Co., 906 Baltimore av, Kansas City, Mo.**
CAMERON dynamite—Grasselli Powder Co., Guardian bldg, Cleveland, O.
CAMERON can makers' machinery—Cameron Can Machinery Co., 240 N. Ashland av, Chicago, Ill.
**CAMERON commutators—Cameron Electric Mfg. Co., Ansonia, Conn.**
CAMERON hand-made lamp chimneys, inverted gas globes, lantern globes & small electric shades—Cameron Glass Co., Cameron, W. Va.
**CAMERON pumps—Ingersoll-Rand Co., 11 Broadway, New York.**
**CAMERON steam pumps—A. S. Cameron Steam Pump Works, 11 Broadway, New York**
**CAMILLUS cutlery—A. Kastor & Bros., 109 Duane, New York**
**CAMP portable grain elevators—Camp Bros. & Co., Washington, Ill.**
**CAMPBELL crank handles — Perkins-Campbell Co., 622 Broadway, Cincinnati, Ohio**
**CAMPBELL feed water purifiers—Ross Valve Mfg. Co., Troy, N. Y.**
**CAMPBELL fertilizer dryers—Cambridge Iron Works, Cambridge, Mass.**
CAMPBELL hammer lock cotters—American Chain Co., Inc., Bridgeport, Conn.
**CAMPBELL junction boxes & receptacle plugs—Steel City Electric Co., 1207 Columbus av, Pittsburgh, Pa.**
CAMPBELL linseed oil & cake—American Linseed Co., Woolworth bldg, New York
CAMPBELL street railway sweeping machines—Consolidated Car Fender Co., Vale, Providence, R. I.
CAMPBELL switches, bell ringing transformers—Campbell Electric Co., 17 Stewart, Lynn, Mass.
CAMPBELL wood stains, floor finish & varnishes—Carpenters-Morton Co., 77 Sudbury, Boston, Mass.
CAMP-DUCT clay conduits—H. B. Camp Co., Fulton bldg., Pittsburgh, Pa.
**CANADY fuel economizers—Canady Blaisdell Corp., 90 West, New York**
**CANAL wooden barrows—Frank R. Prescott, Meredith, N. H.**
**CANCO ash & garbage cans & fly traps—American Can Co., 120 Broadway, New York**
**CANDEE aerial wire, potheads & sleeves—Okonite Co., Passaic, N. J.**
**CANDEE hot air & hot water brooders—Candee Incubator & Brooder Co., Eastwood, N. Y.**
**CANDELABRA lamp adapters—Frank W. Morse, 289 Congress, Boston, Mass.**
**CANFIELD rubber tank balls & basin stoppers—H. O. Canfield Co., Bridgeport, Conn.**
**CANIA cams—Kennedy-Van Saun Mfg. & Eng. Corp., 120 B'way, New York**
CANIFF grout mixers—Ransome Concrete Machy. Co., Dunellen, N. J.
**CANNON caboose & cast iron heating stoves—Green's Car Wheel Mfg. Co., 3000 N. B'way, St. Louis, Mo.**
**CANNON corn shellers—Ellis Keystone Agricultural Works, Pottstown, Pa.**
**CANNON stove—Fox Furnace Co., Elyria, O.**
**CANNON BALL door hangers—Hunt, Helm, Ferris & Co., Harvard, Ill.**
**CANNON CRACKER dry batteries—North Electric Co., American Trust bldg., Cleveland, Ohio**
CANNON PUMP OILERS—Cannon Oiler Co., successor to R. E. Bloomer, Keithsburg, Ill.
CANOPUS oil—Texas Company, 17 Battery pl, New York
**CANOPY stoves—Buckwalter Stove Co., Royersford, Pa.**
**CAN'TGETOFF barn door hangers—J. E. Porter Co., Ottawa, Ill.**



**CANT-ROLL plumb bobs—Dikeman Mfg. Co., Norwalk, Conn.**
**CAN'T SAG farm gates—Rowe Mfg. Co., Galesburg, Ill.**
**CANTSLIP rubber mats—Cantslip Manufacturing Co., 16 Cedar, New York.**
**CANT SLIP spindles—I. A. Hall & Co., Paterson, N. J.**
**CAN'T SLIP stove pipe & elbow—Hemp & Co., Vandeventer nr. Shaw, St. Louis, Mo.**
**CANTON account registers—Thomas Peter Co., Canton, O.**
**CANTON coal chutes, portable cranes & shears—Canton Foundry & Machine Co., Canton, Ohio**
**CANTON fanning mills—Johnson & Field Mfg. Co., Racine, Wis.**
**CANTON gasoline lamps—Canton Incandescent Light Co., Canton, Ohio**
**CANTON SICKLE EDGE hay knives—G. A. Swineford Co., Canton, Ohio.**
CANTON mine doors & automatic mine switch throwers—American Mine Door Co., Canton, Ohio
**CANTON plows & disc harrows—Parlin & Orendorff Co., Canton, Ill.**
CANTON oil filters—Canton Grate Co., Canton, Ohio
**CANTON stop & waste cocks—D. C. Mfg. Co., Canton, Ohio**
**CANWOOD canisters—Canister Co., Phillipsburg, N. J.**
**CAPE ANN isinglass—American Glue Co., 121 Beverly, Boston, Mass.**
**CAPE COD folding boat anchors—Wilcox, Crittenden & Co., Inc., Middletown, Conn.**
**CAPE MAY hair pinching irons—Nicol & Co., 218 N. Jefferson, Chicago, Ill.**
CAPELLA oil—Texas Company, 17 Battery pl, New York
CAPITAL aluminum castings—Capital Brass Fdry., Salt Lake City, Utah
CAPITAL brooms & brushes—Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
**CAPITOL clippers—Coates Clipper Mfg. Co., Worcester, Mass.**
**CAPITAL gasoline engines—Capital Gas Engine Co., Indianapolis, Ind.**
CAPITAL internal grinders—Lansing Stamping & Tool Co., Lansing, Mich.
**CAPITAL settees—Kramer Brothers Foundry Co., Dayton, Ohio**
**CAPITAL shears—D. J. Whelan (Est. of), Troy, N. Y.**
**CAPITAL CITY paint & wood fillers—Indianapolis Paint & Color Co., Indianapolis, Ind.**
**CAPITOL automobile engines—Aurora Automatic Machine Co., Aurora, Ill.**
**CAPITOL blotting paper—Jos. Parker & Son Co., New Haven, Conn.**
**CAPITOL brushes & brooms—Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.**
**CAPITOL ink stands—Cushman & Denison Mfg. Co., 240 W. 23rd, New York**
**CAPITOL lawn trimmers—Granite State Mowing Machine Co., Hinsdale, N. H.**
**CAPITOL lubricating oils—Standard Oil Co. of N. Y., 555 W. 25th, New York**
CAPITOL marine engines—Fifield Bros. Co., Augusta, Me.
**CAPITOL packing—Acme Rubber Mfg. Co., Trenton, N. J.**
**CAPITOL shears—D. J. Whelan (Est. of), Troy, N. Y.**
**CAPITOL spark coils—National Coil Co., Lansing, Mich.**
CAPITOL steam & hot water boilers—U. S. Radiator Corp., 133 E. Grand River, Detroit, Mich.
**CAPITOL vacuum cleaners—United Vacuum Appliance Co., Connersville, Ind.**
CAPITOL-WINCHESTER steam & hot water boilers—U. S. Radiator Corp., 133 E. Grand River, Detroit, Mich.
**CAPSTAN packing—Anchor Packing Co., Lafayette bldg., Phila., Pa.**
**CAPTAIN barrel spray pumps—Deming Co., Salem, Ohio**
**CAPTAIN bill plows—Kingman Plow Co., Peoria, Ill.**
**CAPTAIN brass pins—National Pin Co., Derby, Conn.**
**CAPTAIN LAFITTE stubble diggers—Moline Plow Co., Moline, Ill.**
**CAPTOR plows—South Bend Chilled Plow Co., South Bend, Ind.**
CAPUAL car lining & weather proofing nails—Weatherproofing Nail Co., Baltimore, Md.
**CAPUT padlocks—Slaymaker Lock Co., Lancaster, Pa.**
**CAR inspection car jacks—Lovejoy Tool Works, 319 W. Ohio, Chicago, Ill.**
**CARARA cement & wood fibre plaster—Southern Gypsum Co., North Holston, Va.**

CARBENO varnishes, japans & enamels—Bennett Varnish Co., 2215 Elston av, Chicago, Ill.
**CAR-BEST-US car roofing—H. W. Johns-Manville Co., Madison av & 41st, New York**
CARBIC calcium carbide briquettes & carbic apparatus—Carbic Mfg. Co., Duluth, Minn.
CARBICON carborundum paper—Herman Behr & Co., 61 B'way, New York
**CAR BRITE metal polish—F. T. Lord Polish Co., Cambridge, Mass.**
**CARBO paints & waterproofing materials—Chatfield** Mfg. Co., Carthage, Cincinnati, Ohio
**CARBO razors—A. L. Silberstein, 600 W 157th, New York**
**CARBO steel posts, poles & post hole augers—Carbo** Steel Products Co., 2600 W 111th, Morgan Park station, Chicago, Ill.
CARBOLICIDE insecticides—Hockwald Chemical Co., 531 Howard, San Fransisco, Cal.
CARBOLINEUM wood preservative—Protexol Corp., 41 Barclay, New York
CARBOLITE calcium carbide—American Carbolite Co., Duluth, Minn.
CARBON foundry iron—Carbon Furnace Co., Ltd., Mauch Chunk, Pa.
**CARBON packing & rubber hose—New York Belting & Packing Co., 91 Chambers, New York**
CARBON CYLINDER open & closed circuit batteries —J. H. Bunnell & Co., 32 Park pl, New York
**CARBONALL composition blackboards & rust proof paints—Good Products Co., 1856 Leclaire av, Chicago, Ill.**
CARBONE flaming arc lamps—Felix Hamburger, 44 E 23rd, New York
**CARBONELASTIC coating paints—Arlington Mfg.** Co., Canton, Ohio
**CAR-BON-GO carbon removers—Van Tilburg Oil Co., Minneapolis, Minn.**
**CARBONITE explosives—du Pont de Nemours & Co.,** E. I., Wilmington, Del.
CARBONKOTE paints—Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
CARBONOX carbon removers—Northwestern Chemical Co., Marietta, Ohio
CARBORUNDUM knife sharpeners—Carborundum Co., Niagara Falls, N. Y.
CARBOSOLVENT carbon removers—Beckley-Rawlston Co., 1801 S. Michigan av, Chicago, Ill.
CARBOXIDE metal paints—Blocki-Brennan Refining Co., 11 N. La Salle, Chicago, Ill.
CARBULINE asbestos packing—United States Asbestos Co., Manheim, Pa.
CARBURET OF IRON stove polish—Jos. Dixon Crucible Co., Jersey City, N. J.
CARD-BOARD signs—"Up-to-Date Adv. Co., Canisteo, N. Y.
CARDINAL lawn mowers—Clarinda Lawn Mower Co., Clarinda, Ia.
CARDINAL oil cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
CARDINAL springs—Barber Mfg. Co., Anderson, Ind.
CARDINGTON garden hose reels—Cardington Cabinet Co., Cardington, Ohio
CARDWELL corn planters—Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
CARDWELL draft gear—Cardwell Mfg. Co., 332 S. Michigan av, Chicago, Ill.
CARDWELL draft gear—Union Draft Gear Co., McCormick bldg., Chicago, Ill.
CARDWELL ROCKER side bearings—Cardwell Mfg. Co., 332 S. Michigan av, Chicago, Ill.
CAREW'S nippers—M. W. Robinson Co., 296 B'way, New York
CAREY roofing, cements, roofing caps—Philip Carey Mfg. Co., 330 Wayne av, Lockland, Cincinnati, Ohio
CAREY-FOSTER bridges—Leeds & Northrup Co., 4901 Stanton av, Phila., Pa.
CAREY PERFECT corn huskers—Sproul Matt Co., Sparta, Ill.
CARLETON maple sugar molds—G. H. Grimm, Rutland, Vt.
CARLEY'S feed grinding mills—Carley Bros., Colfax, Wash.
CARLISSI rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
CARLL wrenches—M. W. Robinson Co., 296 B'way, New York
CARLON wall plugs—Carlon Sales Co., Oskaloosa, Ia.
CARLSON chemical evaporators—International Process Co., 5 Beekman, New York
CARLSRUHE metal cleaners—James H. Rhodes & Co., 115 Fulton, New York
CARNATION carbon paper & typewriter ribbons—Miller-Bryant-Pierce Co., Aurora, Ill.
CARNATION-CREAM metal polish—Beckley-Ralston Co., 1801 S. Michigan av, Chicago, Ill.

CAROLINA cotton plows, cultivators—S. R. White's Sons, Norfolk, Va.
CAROLINA harrows—Southern Plow Co., Columbus, Ga.
**CAROLINA laundry stoves—Glascock Stove & Mfg.** Co., Greensboro, N. C.
**CAROLINA steel ranges—Glascock Stove & Mfg. Co., Greensboro, N. C.**
CAROLINE cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
**CAROLUS bolt clippers, nut splitters & iron bar cutters, Twin City Specialty Co., Sterling, Ill.**
CARPENTER calorimeters—Schaeffer & Budenberg Mfg. Co., Berry & S. 5th, Brooklyn, N. Y.
**CARPENTER self-feeder carriers—Carpenter Wing** Carrier Mfg. Co., St. Paul, Minn.
**CARPENTER'S screw plates—J. M. Carpenter Tap &** Die Co., Pawtucket, R. I.
CARPO tar paint—Du Pont Chemical Works, Wilmington, Del.
CARPOLENE wood & metal preservative stain—Du Pont Chemical Wks., Wilmington, Del.
CARR tilting type flag staffs & ventilated furnace arches—Elmer E. Carr, 3826 N Hermitage av, Chicago, Ill.
**CARR tool holders—H. G. Thompson & Son Co., New Haven, Conn.**
CARRIER power ensilage cutters—Silver Mfg. Co., No. 256, Salem, O.
**CARRIERS' FRIEND mail boxes—Northwestern Mail Box Co., 5029 McKissock, St. Louis, Mo.**
CARROM game boards—Carrom Co., Ludington, Mich.
**CARRY ALL coaster wagons—Sheboygan Coaster &** Wagon Works, Sheboygan, Wis.
**CARRY ALL hand carts—M. H. Daley, Charles City,** Ia.
CARROLLTON heating stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
**CARRY-US-ALL riding galleries—C. W. Parker,** Leavenworth, Kans.
**CARSON flushing valves—Dececo Co., 157 High, Boston, Mass.**
**CARSON packing—A. W. Chesterton Co., 64 India,** Boston, Mass.
CARSPRING rubber belting, hose & packing—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
**CARTARET cotton hose—Voorhees Rubber Mfg. Co.,** 18 Bostwick av, Jersey City, N. J.
**CARTER cable chains—Monongahela Iron & Steel Co.,** Farmers' Bank bldg., Pittsburgh, Pa.
**CARTER gasoline strainers—Carter Carbureter Co.,** 2840 N. Spring, St. Louis, Mo.
**CARTER post hole diggers—National Mfg. & Steel** Supply Co., 781 Summit, Newark, N. J.
**CARTER staybolt iron—Carter Iron Co., Pittsburgh,** Pa.
**CARTER'S hot air furnaces—Waterloo Register Co.,** Waterloo, Ia.
CARTER'S pressure filters—Field Force Pump Co., Elmira, N. Y.
**CARTON canvas stitching belting & belt dressing—** Carton Belting Co., 52 Everett, Allston, Mass.
**CARVER electric drills, reamers & grinders—Ameri**can Electric Tool Co., West Newton, Mass.
**CARVER tire air pumps—Osborne & Stephenson Mfg.** Co., Plainville, Conn.
**CARVER'S corn hooks—Wallingford Mfg. Co., Wal**lingford, Vt.
**CARVER'S pruning shears—Carver Tool Works,** Spring Valley, N. Y.
**CARWEN dynamic balancing machinery & measuring gauges—Carlson-Wenstrom Co., Erie av &** Richmond, Phila., Pa.
**CARWICK detail paper—H. Reeve Angel & Co.,** Inc., 7 Spruce, New York
**CARY hydro-carbon burners—Braun-Knecht-Heimann** Co., 576-584 Mission, San Francisco, Cal.
**CARY tempering—Cary Spring Wks., 240 W 29th,** New York
**CARY'S box straps, box fasteners, metal joint fasteners, soft annealed bands & flexible steel mats—** Cary Mfg. Co., Nassau & Jay, Brooklyn, N. Y.
**CARZACK canvas stitching belting—Carton Belting** Co., 52 Everett, Allston, Mass.
**CASADAY plows—South Bend Chilled Plow Co.,** South Bend, Ind.
CASCADE automobile oil soap—Cataract Refining & Mfg. Co., Buffalo, N. Y.
**CASCADE bidets—J. L. Mott Iron Works, Trenton,** N. J.
**CASCADE boiler circulators—McNab Co., Bridgeport,** Conn.
CASCADE lubricating oils & greases—Swan & Finch Co., 165 Broadway, New York
**CASCADE trench pumps—Van Nouhuys Machine** Wks., Albany, N. Y.

CASCADE waterproof belting—Laurence Belting Co., 111 Chambers, New York
CASCADE STICK belt dressing—Cataract Refining & Mfg. Co., Buffalo, N. Y.
CASCO packing—Chicago Engineer Supply Co., 68 W. Lake, Chicago, Ill.
CASE boiler compounds—Globe Boiler Compound Co., Binghampton, N. Y.
CASE furnaces, hydro-carbon burners & portable oil forges—Denver Fire Clay Co., Denver, Colo.
CASE plows, harrows, cultivators, planters, listers, etc.—J. I. Case Plow Works, Racine Wis.
CASE threshers, cultivators, graders, traction engines, baling presses & silo fillers—J. I. Case Threshing Machine Co., Racine, Wis.
CASE EASY NORTHERN cultivators—J. I. Case Plow Wks., Racine, Wis.
CASE EASY SOUTHERN cultivators—J. I. Case Plow Wks., Racine, Wis.
CASE-HARDO compounds—Bell & Gossett, 609 W 30th, Chicago, Ill.
CASE-HARDO compounds—C. G. Buchanan Chemical Co., Norwood, Cincinnati, Ohio
CASEITE case hardening materials—Ele-Kem Co., 1508 Clybourn av, Chicago, Ill.
CASEY railway & tubular lanterns—Keystone Lantern Co., Tacony & Cottman, Philadelphia, Pa.
CASGRAIN pile caps—Vulcan Iron Works, 327 No. Irving av, Chicago, Ill.
CASH STANDARD reducing & regulating valves—A. W. Cash Co., Decatur, Ill.
CASITE cupels—Denver Fire Clay Co., Denver, Colo.
CASKEY pnuematic riveters, presses, punches—F. F. Slocomb & Co., 14th & Poplar, Wilmington, Del.
CASLER boring heads—Marvin & Casler Co., Canastota, N. Y.
CASSADY screw drivers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
CASSAPOLIS grain drills—Dowagiac Drill Co., Dowagiac, Mich.
CASTELL lead pencils—A. W. Faber, 41 Dickerson, Newark, N. J.
CASTLE post caps & bases—A. M. Castle & Co., 715 N Morgan, Chicago, Ill.
CASTORINE axle oil—Baum's Castorine Co., Rome, N. Y.
CASTOROL belt dressing—A. W. Chesterton Co., 64 India, Boston, Mass.
CATARACT lubricating oils & grease—Swan & Finch Co., 165 Broadway, New York
CATCHPOLE heaters—Catchpole Boiler, Foundry & Machine Co., Geneva, N. Y.
CATLIN key-seating machines—Wheland Co., Chattanooga, Tenn.
CAT'S PAW rubber heels—Foster Rubber Co., 105 Federal, Boston, Mass.
CATTARAUGUS creamery churns—Oakes & Burger Co., Cattaraugus, N. Y.
CATTARAUGUS knives, shears & scissors, razor strops & painters' scrapers—Cattaraugus Cutlery Co., Little Valley, N. Y.
CAXTON adjustable window shades & blackboard erasers—Caxton School Supply Co., 560 W Monroe, Chicago, Ill.
CAYAUGA cement—Cayauga Cement Corp., Ithaca, N. Y.
CAYUGA mica plugs—Auburn Ignition Mfg. Co., Auburn, N. Y.
CEACO clothes pin mchy, controllers, regulators & relay for electrical contact—Cable Electric Appliance Co., Boston, 30, Mass.
CECIL cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
CECO valves, pumps & spray systems—Chemical Equipment Co., 53 W. Jackson blvd, Chicago, Ill.
CEDAR hollow lime—Chas. Warner Co., I. O. O. T. bldg, Wilmington, Del.
CEDAR-FLUFF sweeping compounds—Standard Chemical Co., Houston, Tex.
CEDARINE furniture polish—Channell Chemical Co., 4501 Western blvd, Chicago, Ill.
CEDAR-SWEEP compounds—Cedar-Sweep Co., Los Angeles, Cal.
CEDAR-WAXINE sweeping compounds—Standard Chemical Co., Houston, Tex.
CEDO-CIDE insecticides—Standard Chemical Co., Houston, Texas.
CEDRO oil furniture polish—Standard Chemical Co., Houston, Tex.
CEE TEE CO. gas pliers—Crescent Tool Co., 200 Harrison, Jamestown, N. Y.
CEFCO incandescent lamp coloring—C. E. Francke & Co., 440 Orleans, Chicago, Ill.
CEIL BOARD wall boards—Philip Carey Mfg. Co., 338 Wayne av, Lockland, Cincinnati, Ohio
CELERITAS filter paper—A. Daigger & Co., 54 W. Kinzie, Chicago, Ill.



CELFOR drills, drill chucks, drill sockets & countersinks—Clark Equipment Co., Buchanan, Mich.
CELLO marine hardware, army canteens, hot water bottles—A. S. Campbell Co., 276 Commercial, Boston, Mass.
CELLO vanadium steel—McInnes Steel Co. (Ltd.), Corry, Pa.
CELLO white closet seats—Findeisen & Kropf Mfg. Co., 2559 W 21st, Chicago, Ill.
CELTIC rubber hose—Voohees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
CELLUVARNO bath room fixtures & furnishings—Sillocks-Miller Co., South Orange, N. J.
CELOX wood & metal primers—Valentine & Co., 456 4th av, New York
CEMCO water closets—Central Metal & Supply Co., 611 E. Lombard, Baltimore, Md.
CEMCOAT waterproofing materials—L. Sonneborn Sons, 262 Pearl, New York
CEMELINE waterproofing materials & brick paints—Richmond Bros., 616 Main, Chincinnati, Ohio
CEMENTCO brick paints—Wm Waterall & Co., Camden, N. J.
CEMENTHIDE cement coating & waterproofing materials—Patton Paint Co., Milwaukee, Wis.
CEMENTKOTE brick paints—Tropical Paint & Oil Co., W 70th, Cleveland, Ohio
CEMO bessemer ferro silicon—Chattanooga Electro Metals Co., Chattanooga, Tenn.
CENCO beam clamps, pipe clamps & pipe hangers—C. Erwin Norman & Co., 18 W. Kinzie, Chicago, Ill.
CENTAUR cutlery, razors, shears & scissors & can openers—Sperry & Alexander Co., 79 Chambers, New York
CENTENNIAL bit braces—W. A. Ives Mfg. Co., Wallingford, Conn.
CENTENNIAL fanning mill—Freeman Mfg. Co., Racine, Wis.
CENTENNIAL laundry stoves—D. R. Sperry & Co., Batavia, Ill.
CENTENNIAL rain water cut-offs—Sullivan-Geiger Co., Indianapolis, Ind.
CENTENNIAL rat insecticides—Geo. H. Schafer & Co., Fort Madison, Iowa
CENTER DRIVE CELL DROP cotton planters—J. I. Case Plow Wks., Racine, Wis
CENTERFILLED mattresses—Empire Mattress Co., 2231 W. Madison, Chicago, Ill.
CENTERFIRE spark plugs—Milwaukee Auto Specialty Co., 711 Chestnut, Milwaukee, Wis.
CENTEX lenses—Bausch & Lomb Optical Co., Rochester, N. Y.
CENTRAL ash & garbage cans, ash sieves, coal hods, watering pots—Central Stamping Co., 172 Fulton, New York
CENTRAL bath fittings & boiler couplings—Central Brass Mfg. Co., 6206 Cedar, Cleveland, Ohio
CENTRAL hose nozzles—L. R. Nelson, Peoria, Ill.
CENTRAL interior conduits—Central Tube Co., 1st National Bank bldg., Pittsburgh, Pa.
CENTRAL oil stoves & heaters—Central Oil & Gas Stove Co., Gardner, Mass.
CENTURY asbestos lumber smoke jacks—Asbestos, Shingle, Slate & Sheathing Co., Ambler, Pa.
CENTURY barn door hangers—Lawrence Bros., Sterling, Ill.
CENTURY bean snippers—Gowanda Agricultural Works, Gowanda, N. Y.
CENTURY bit braces—W. A. Ives Mfg. Co., Wallingford, Conn.
CENTURY carriage top dressing—Eugene Arnstein, 45 W. 26th, Chicago, Ill.
CENTURY cattle guards—Century Materials Co., Monadnock blk, Chicago, Ill.
CENTURY core oils—Swan & Finch Co., 165 Broadway, New York
CENTURY creosoting works—Michigan Wood Preserving Co., Century bldg, Pittsburgh, Pa.
CENTURY cushion springs—D'Arcy Spring Co., Kalamazoo, Mich.
CENTURY deadening felts—United Roofing & Mfg. Co., Morris bldg., Phila., Pa.
CENTURY elec. testing instruments—Century Electrical Co., Syracuse, N. Y.
CENTURY fans & motors—Century Electric Co., 19th & Pine, St. Louis, Mo.
CENTURY gas stoves, hot air furnaces & water heaters—Century Stove & Mfg. Co., Johnstown, Pa.
CENTURY insulating tape—American Electrical Works, Philipsdale, R. I.
CENTURY oak flooring—M. B. Farrin Lumber Co., Station av & Winton pl, Cincinnati, Ohio
CENTURY packing & gaskets—Pennsylvania Rubber Co., Jeannette, Pa.
CENTURY rubber belting & rubber belt conveyors—Jeffrey Mfg. Co., Columbus, Ohio

CENTURY side mills—Wrightsville Hardware Co., Wrightsville, Pa.
CENTURY sink strainers—Roseland Can & Specialty Co., Rockford, Ill.
CENTURY spray pumps—Deming Co., Salem, O.
CENTURY barrel spray & whiteweship outfit—Deming Co., Salem, O.
CENTURY steam & hot water heaters—Kewanee Boiler Co., Kewanee, Ill.
CENTURY tires—Century Plainfield Tire Co., North av, Plainfield, N. J.
CENTURY waterproofing materials—Century Mfg. Co., 272 W. Genesee, Buffalo, N. Y.
CENTURY wood paving blocks—Pittsburgh Wood Preserving Co., Century bldg, Pittsburgh, Pa.
CERESIT waterproofing materials—Ceresit Waterproofing Co., 110 S. Dearborn, Chicago, Ill.
CERTAIN-TEED asphalt shingles—Certain-teed Products Corp., Boatman's Bank bldg, St. Louis, Mo.
CERTAIN-TEED roofing products & paints—Certain-teed Products Corp., York, Pa.
CESTA kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
CETUS oil—Texas Company, 17 Batery pl, New York
CE-VE railway varnishes—Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
CEYLON foundry facings, plumbago—T. P. Kelly & Co., 355 W. 26th, New York
CHACE oil cans—Consolidated Fruit Jar Co., New Brunswick, N. J.
CHACE oilers—Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.
CHADBOURNE valve & service boxes—Builders Iron Foundry, 9 Codding, Providence, R. I.
CHADWICK engines—Chadwick Engineering Works, Pottstown, Pa.
CHAFFEE fish lines—Chaffee Mfg. Co., Willimantic, Conn.
CHAIN BELT concrete mixers—Chain Belt Co., Milwaukee, Wis.
CHALLENGE boiler compounds—A. W. Chesterton Co., 64 India, Boston, Mass.
CHALLENGE carving lathes—Valley City Machine Works, Grand Rapids, Mich.
CHALLENGE churns—Mason Mfg. Co., Canton, Ohio
CHALLENGE cultivators—Ohio Cultivator Co., Bellevue, Ohio
CHALLENGE gas engines, grinding mills, silos, pumping jacks, sweep horse powers, tank heater & windmills—Challenge Co., Batavia, Ill.
CHALLENGE hot air furnaces—Barber Mfg. Co., Ashtabula, Ohio
CHALLENGE hydro-carbon burners—Calkins Co., Los Angeles, Cal.
CHALLENGE lubricators—American Lubricator Co., Summit & Wabash Rv., Detroit, Mich.
CHALLENGE marine steering wheels—Thos. Laughlin Co., Portland, Me.
CHALLENGE milling cutters, etc—W. S. High Speed Steel & Tool Corp., 489 5th av, New York
CHALLENGE ore feeders—Kennery Van Saun Mfg. & Eng. Corp., 120 B'way, New York
CHALLENGE proof presses—Challenge Machy. Co., Grand Haven, Mich.
CHALLENGE screw drivers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
CHALLENGE shoe blacking & polishes—Jas. S. Mason Co., 136 N. Front, Phila., Pa.
CHALLENGE shovels—Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
CHALLENGE steam cookers—Western Tin & Japan Mfg. Co., 1013 Walnut, Cincinnati, Ohio
CHALLENGE steel tape—Lufkin Rule Co., Saginaw, Mich.
CHALLENGE window screens—Union Screen Co., 306 Carpenter, Providence, R. I.
CHALLENGE PORCELAIN refrigerators—Challenge Refrigerator Co., Grand Haven, Mich.
CHAMBERLAIN pumping jacks—Chamberlain Machine Works, Waterloo, Ia.
CHAMBERLIN whip socket fasteners—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
CHAMBERS bolt cutting machines—Chambers Bros. Co., 52nd below Lancaster av, Philadelphia, Pa
CHAMET bronze rods—Chase Metal Wks. & Case Rolling Mill Co., Waterbury, Conn.
CHAMOIS cheese cloth wipers—Sanitary Rag Co., Kalamazoo, Mich.
CHAMPION adze—Am. Axe & Tool Co., Glassport, Pa.
CHAMPION barrel covers—M. H. Parks & Co., Winchendon, Mass.
CHAMPION barrel heaters—Hynson Tool & Supply Co., 4758 Easton av, St. Louis, Mo.
CHAMPION barrel heaters—John S. Oram Co., 1316 E. 53rd, Cleveland, Ohio
CHAMPION barrel leveling machines—T. Johnson Co., 108 S. La Salle, Chicago, Ill.
CHAMPION bee smokers—Kretchmer Mfg. Co., Council Bluffs, Ia.
CHAMPION belt dressing—Alonzo K. Lynch, 310 Flushing av, Brooklyn, N. Y.
CHAMPION bench sanders—Valley City Machine Works, Grand Rapids, Mich.
CHAMPION blacksmiths' tools—Champion Blower & Forge Co., Lancaster, Pa.
CHAMPION blind hinges—Wrightsville Hardware Co., Wrightsville, Pa.
CHAMPION boiler injectors—Jas. A. Griffiths, 1317 Buttonwood, Phila., Pa.
CHAMPION brick mould sanding machines—Chas. Waldron, Haverstraw, N. Y.
CHAMPION broad axes—American Axe & Tool Co., Glassport, Pa.
CHAMPION bush hooks—Dunn Edge Tool Co., Oakland, Me.
CHAMPION canvas belting—Empire Tire & Rubber Corp., Trenton, N. J.
CHAMPION canvas wheels—E. Reed Burns, 27 Jackson, Brooklyn, N. Y.
CHAMPION car loaders—H. W. Caldwell & Son Co., 17th & Western av, Chicago, Ill.
CHAMPION carbonators & water lifts—Bishop & Babcock Co., 1204 E 55th, Cleveland, O.
CHAMPION cattle stanchions—Bryan Mfg. Co., P. O. Box D., Bryan, Ohio
CHAMPION chemical fire engines—James Boyd & Bro., 25th & Wharton, Phila., Pa.
CHAMPION corn planting drills—Moline Plow Co., Moline, Ill.
CHAMPION cranes—Champion Engng. Co., Kenton, Ohio
CHAMPION cranes—S. G. Milton & Son, Franklin, Pa.
CHAMPION cream separators—Blanke Mfg. & Supply Co., 3rd & Wash. av, St. Louis, Mo.
CHAMPION cultivators—Towers & Sullivan Mfg. Co., Rome, Ga.
CHAMPION dishwashing machines—Hamilton-Low Co., 62 Van Winkle av, Jersey City, N. J.
CHAMPION door bumpers, holders, hinges, sash locks, filters, steel wrenches—Champion Hardware Co., Geneva, Ohio
CHAMPION door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
CHAMPION door openers—Standard Lock Co., 113 Himrod, Brooklyn, N. Y.
CHAMPION dough dividing machines & saw guards—Champion Machinery Co., Joliet, Ill.
CHAMPION drain cleaners—Iwan Bros., South Bend, Ind.
CHAMPION drilling machines—Smurr & Kamen Machine Co., 328 N. Albany, Chicago, Ill.
CHAMPION dry floor mops—Universal Brush Co., 181 Quincy, Chicago, Ill.
CHAMPION egg openers—Taplin Mfg. Co., New Britain, Conn.
CHAMPION electric air pumps & water lifts—Cleveland Faucet Co., 1205 E. 55th, Cleveland, Ohio
CHAMPION electric foundry riddles—Champion Foundry & Machine Co., 2419 W. 14th, Chicago, Ill.
CHAMPION electric lamps—Consolidated Electric Lamp Co., Danvers, Mass.
CHAMPION exhaust heads—Chicago Engineer Supply Co., 68 W. Lake, Chicago, Ill.
CHAMPION fanning mills—J. L. Owens Co., Fulton & S. E. Huron, Minneapolis, Minn.
CHAMPION farm gates—Mason Fence Co., Lessburg, Ohio
CHAMPION fence pliers—L. A. Sayre & Son, 332 Mulberry, Newark, N. J.
CHAMPION fire extinguishers—S. F. Hayward & Co., 250 W. 54th, New York
CHAMPION fishing rods—Van Doren Mfg. Co., Chicago Heights, Ill.
CHAMPION floor grinders—Safety Emery Wheel Co., Springfield, Ohio
CHAMPION fly traps—Fred. J. Meyers Mfg. Co., Hamilton, Ohio
CHAMPION fly traps—Reynolds Wire Co., Dixon, Ill.
CHAMPION garden rakes—Cronk & Carrier Mfg. Co. 150 Lake, Elmira, N. Y.
CHAMPION gasoline blow torches—Turner Brass Wks., Sycamore, Ill.
CHAMPION glass cutters—Fletcher, Terry Co., Forestville, Conn.
CHAMPION grain drills—Champion Drill Co., Avon, N. Y.
CHAMPION hand hoists, cranes—S. G. Milton & Son, Franklin, Pa.
CHAMPION handle switches—Frank W. Morse, 289 Congress, Boston, Mass.

CHAMPIONS hay carriers—J. E. Porter Co., Ottawa, Ill.
CHAMPION hedge knives—Henry Disston & Sons, Tacony, Phila., Pa.
CHAMPION high speed steel—Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
CHAMPION ice breakers—Allman Gas Engine & Machine Co., 461 Canal, New York
CHAMPION ice breakers—Dilg Mfg. & Trading Co., 27 E. 125th, New York
CHAMPION ice cream machines—Allman Gas Engine & Machine Co., 461 Canal, New York
CHAMPION incubators & brooders—J. A. Bennett & Son, Gouverneur, N. Y.
CHAMPION insecticide dusters—Leggett & Bro., 301 Pearl, New York
CHAMPION insulating cloth, insulating tape & paints—Chicago Mica Co., Valparaiso, Ind.
CHAMPION kerosene lamp burners—Wheeling Stamping Co., Wheeling, W. Va.
CHAMPION land & field rollers—Thornbaugh Mfg. Co., Bowling Green, Ohio
CHAMPION lathe & saw—Millers Falls Co., 28 Warren, New York
CHAMPION lawn spray sprinklers—Thos. Cadwallader, Salem, Ohio
CHAMPION leather washers—Providence Belting Co., 7 Beverly, Providence, R. I.
CHAMPION leg bands—Thos. Cadwallader, Salem, Ohio
CHAMPION lock mortising machines—J. Leukart Co., 44 E. Columbus, Columbus, Ohio
CHAMPION logging tools—American Logging Tool Co., Evart, Mich.
CHAMPION lubricating oils & greases—A. W. Harris & Co., 17 Battery pl, New York
CHAMPION lubricating oils & greases—Indian Refining Co., 244 Madison av, New York
CHAMPION maple sugar evaporators—Champion Evaporator Co., Hudson, Ohio
CHAMPION maple sugar evaporators—G. H. Grimm, Rutland, Vt.
CHAMPION metallic weather strips—Champion Metal Weather Strips & Parting Bead Co., 12 Columbia, Boston, Mass.
CHAMPION mop wringers & sprocket wrenches—Ayes & Co., 1812 Ellen, Chicago, Ill.
CHAMPION mops—Hamblin & Russell, Worcester, Mass.
CHAMPION night latches—Miller Lock Co., 4523 Tacony, Phila., Pa.
CHAMPION oil cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio.
CHAMPION paints & roofing cements—John Briggs & Co., 45 Purchase, Boston, Mass.
CHAMPION pipe wrenches—Greene, Tweed & Co., 109 Duane, New York
CHAMPION plow mfrs.—Billups, C., Son & Co., Norfolk, Va.
CHAMPION post drills—Wantling Favorite Coal Drill Co., Peoria, Ill.
CHAMPION post hole diggers—F. E. Kohler Co., Canton, Ohio.
CHAMPION post hole diggers—Ohio Cultivator Co., Bellevue, Ohio
CHAMPION post hole diggers—Seymour Mfg. Co., Seymour, Ind.
CHAMPION potato diggers—Messinger Mfg. Co., Tetamy, Pa.
CHAMPION potato sprayers—Leggett & Bro., 301 Pearl, New York
CHAMPION power hammers & forging machines—Beaudry & Co. Inc., 45 Bromfield, Boston, Mass.
CHAMPION ratchet wrenches—Syracuse Wrench Co., 325 W. Fayette, Syracuse, N. Y.
CHAMPION rock crushers, belt conveyors, revolving screens—American Road Machinery Co., Kennett Square, Pa.
CHAMPION root cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
CHAMPION rubber bottles—Tyer Rubber Co., Andover, Mass.
CHAMPION sand & gravel heaters & dryers—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
CHAMPION saw gauges—Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
CHAMPION saw sets—Hy. Disston & Sons, Tacony, Phila., Pa.
CHAMPION saw swages—A. E. White Machine Wks., Eau Claire, Wis.
CHAMPION scales & nail pullers—Pelouze Mfg. Co., 232 E. Ohio, Chicago, Ill.
CHAMPION screw drivers—Union Hardware Co., Torrington, Conn.
CHAMPION self feeding drills—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.



CHAMPION sheet packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
CHAMPION spark plugs—Champion Spark Plug Co., Toledo, Ohio
CHAMPION spring hinges—Coleman Hardware Co., 220 S. Michigan av, Chicago, Ill.
CHAMPION stalk cutters—Kingman Plow Co., Peoria, Ill.
CHAMPION steam traps—Kieley & Mueller, 34 W. 13th, New York
CHAMPION steam & hot water heaters—Thatcher Furnace Co., 135 W. 35th, New York
CHAMPION stone crushing plants—Good Roads Machinery Co., Kennett Square, Pa.
CHAMPION storage batteries—Hector C. MacRae, 316 St. Paul, Baltimore, Md.
CHAMPION stove linings—Rutland Fire Clay Co., Rutland, Vt.
CHAMPION stoves—Champion Stove Co., 4001 W. 25th, Cleveland, Ohio
CHAMPION swatters—Merrifield Co., Springvale, Me.
CHAMPION tailors' pressing machines—Edw. J. Geyer, Rochester, N. Y.
CHAMPION tools, tool holders, tool & vise stands, molders' benches, expanding mandrels, hack saw machines—Western Tool & Mfg. Co., Springfield, Ohio
CHAMPION traction engines, hay presses—Famous Mfg. Co., East Chicago, Ind.
CHAMPION truss hoops—Wabash Truss Hoop Co., Mt. Carmel, Ill.
CHAMPION vises—Bonney Vise & Tool Works, Allentown, Pa.
CHAMPION wagon jacks—Torrey Bros. Co., Central Village, Conn.
CHAMPION windmill regulators—Hunt, Helm, Ferris & Co., Harvard, Ill.
CHAMPION wood mortising machines—Colgan Machinery & Supply Co., Columbus, Ohio
CHAMPION wood sawing machines—Weaver & Co. New Oxford, Pa.
CHAMPION woven wire fences—Mason Fence Co Leesburg, Ohio
CHAMPION LOCK stove pipe & elbows—Jackes-Evans Mfg. Co., Main & Tyler, St. Louis, Mo.
CHANARCH car flooring—Dunbar Mfg. Co., 325 N Leamington av, Chicago, Ill.
CHANDLER bench vises — Barbour Stockwell Co Cambridge, Mass.
CHANDLER'S ice cutting machines—C. E. Jennings & Co., 71 Murray, New York
CHANELATH expanded metal lath—Northwestern Expanded Metal Co., Old Colony bldg., Chicago, Ill.
CHANNEL barn door hangers—S. B. Martin, Dalton, Ohio
CHANNEL split switches—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
CHANNELENE grease—Monarch Mfg. Co., Ironville, Toledo, Ohio
CHANNON centrifugal pumps—H. Channon Co., 150 N. Market, Chicago, Ill.
CHANTRELL locks & latches—Chantrell Hardware & Tool Co., Reading, Pa.
CHAPIN cream dippers — Louis A. Boettiger Co. Leonard, New York
CHAPIN electric lamp hoods—National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
CHAPMAN cake molds, egg beaters, cream dippers & measuring cups—Chapman Co., Geneva, N. Y.
CHAPMAN type bearing for power transmission purpose, ball shaft hanger bearings—Transmission Ball Bearing Co., 1056 Military rd, Buffalo, N. Y.
CHAPMAN electric neutralizers—Chapman Electric Neutralizer Co., Portland, Me.
CHAPMAN electric railway signals—Chas. N. Wood Co., 14 Federal, Boston, Mass.
CHAPMAN flush plugs—Bryant Electric Co., Bridgeport, Conn.
CHAPMAN gas engines & sickle grinders—H. L. Chapman Marcellus, Mich.
CHAPMAN gas producers—Chapman Engineering Co., Mt. Vernon, Ohio
CHAPMAN jacks—Chapman Jack Co., 45th & Lake-Co., 309 2nd av S., Minneapolis, Minn.
CHAPMAN lightning arresters—Minnesota Electric side av, Cleveland, Ohio
CHAPMAN process electric neutralizer—Portland Co., Portland, Me.
CHAPMAN sleigh runner attachments—A. E. Cartier Sons Co., Ludington, Mich.
CHAPMAN steam traps—Watson & McDaniel Co., 146 N. 7th, Phila., Pa.
CHAPMAN valves & indicator posts—Chapman Valve Mfg. Co., Indian Orchard, Mass.
CHARIOT steam hose—Republic Rubber Co., Youngstown, Ohio

CHARLTON velvet lamp black—Bihn & Wolff Co., Asr & Almond, Phila., Pa.
CHARMER lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
CHARMER steam heaters—Freed Heater Co., Collegeville, Pa.
CHARPY impact testing machines—Sauveur & Boylston, Cambridge, Mass.
CHARTER gasoline hoists & portable engines on whels—Charter Gas Engine Co., Sterling, Ill.
CHARTER OAK belt dressing & belting—N. Palmer & Co., Bridgeport, Conn.
CHARTER OAK farm wagons—Joel Turney & Co., Fairfield, Ia.
CHARTER OAK horse brushes—Standard Brush Co., New Hartford, Conn.
CHARTER OAK saftey fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
CHASE belt fasteners—Strong Machy. & Supply Co., 21 Walker, New York
CHASE brass, bronze, copper & nickel-silver rod wire, sheets & tubing—Chase Metal Wks. & Chase Rolling Mill Co., Waterbury, Conn.
CHASE elevating trucks—Chase Foundry & Mfg. Co., Columbus, Ohio
CHASE leather wall coverings & velvets—L. C. Chase & Co., 89 Franklin, Boston, Mass.
CHASE nipple couplings—Condit Electrical Mfg. Co., 1st & L, Boston, Mass.
CHASE tower wagons—Chase Motor Truck Co., Syracuse, N. Y.
CHASE'S grooving machines, thumbhole cutting machines—Chase Turbine Mfg. Co., Orange, Mass.
CHASECO electric illuminated signs—Chase Electric Co., 105 S. Dearborn, Chicago, Ill.
CHASE ECONOMY road graders—Chase Foundry & Mfg. Co., 2700 Parsons av, Columbus, Ohio
CHASSE mouse traps— Shann Mfg. Co., Middletown, N. Y.
CHATHAM incubators & brooders & grain graders—Manson-Campbell & Sons Co., 45 Federal, Detroit, Mich.
CHATILLON butcher's saws—Jno. Chatillon & Sons, 85 Cliff, New York
CHATTANOOGA concrete & wooden barrows—Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
CHATTANOOGA disc harrows—Ohio Rake Co., Dayton, Ohio
CHATTANOOGA plows, evaporators & potato diggers —Chattanooga Plow Co., Chattanooga, Tenn.
CHATTANOOGA wagons—Chattanooga Wagon Co., Chattanooga, Tenn.
CHATTERTON insulating compounds—McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
CHAUMONT white lime—Adams & Duford Co., Chaumont, N. Y.
CHAUTAUQUA bread mixers—Wm. Vogel & Bros., 37 S. 9th, Brooklyn, N. Y.
CHAUTAUQUA eaves trough hangers—F. E. Albro, Mayville, N. Y.
CHECKLOCK grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
CHEERFUL HOME hot air furnaces—Hood Furnace & Supply Co., Corning, N. Y.
CHEERFUL SUNSHINE steel ranges—Reading Stove Works, Reading, Pa.
CHEF potato mashers—Quadriga Mfg. & Specialty Co., 213 W. Grand av, Chicago, Ill.
CHELSEA fire place heaters—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
CHELSEA inkstands & wells—Cushman & Denison Mfg. Co., 240 W. 23rd, New York
CHELTON shallow push switches—Chelton Electric Co., Stenton & Rockland, Phila., Pa.
CHEMCO acid concentrators—Chemical Construction Co., Charlotte, N. C.
CHEMCRAFT chemical outfit toys—Porter Chemical Co., Hagerstown, Md.
CHEMETAL acid metal pumps—Nassau Valve & Pump Co., Rockville Centre, Long Island, N. Y.
CHENEY anvil & vise—Fulton Iron Works, 39 Franklin, Detroit, Mich.
CHENEY nail hammers—Henry Cheney Hammer Co., Little Falls, N. Y.
CHEROKEE cement & wood fibre plaster—Southern Gypsum Co., North Holston, Va.
CHEROKEE marble—Georgia Marble Co., Tate, Ga.
CHERRY VALLEY pig iron—United Iron & Steel Co., Cleveland, Ohio
CHESHIRE lime—Palmer Lime & Cement Co., 103 Park av, New York
CHESTERMAN measuring tapes—Wiebusch & Hilger, 106 Lafayette, New York
CHESTERTON packing & gauge glass cutters—A. W. Chesterton Co., 64 India, Boston, Mass.
CHEYENNE goggles and eye protectors—Chicago Eye Shield Co., 2300 Warren av, Chicago, Ill.
CHIC condensation pumps—Chicago Pump Co., 2342 Wolfrom, Chicago, Ill.
CHIC shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
CHICA paste—Ermecke & Salmsten Co., 944 W. North av, Chicago, Ill.
CHICAGO adjustable window shade—Caxton School Supply Co., 560 W. Monroe, Chicago, Ill.
CHICAGO auto polishing machines—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
CHICAGO belt fasteners & automobile jacks—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
CHICAGO boiler flue & tube cleaners—Liberty Mfg. Co., Pittsburgh, Pa.
CHICAGO boiler flue & tube cleaners—Seehausen, Wehrs & Co., 173 N. Franklin, Chicago, Ill.
CHICAGO car couplers—National Malleable Castings Co., 7706 Platt av S. E., Cleveland, Ohio
CHICAGO car derailers, crossing & block signals—Railroad Supply Co., 203 S. Dearborn, Chicago, Ill.
CHICAGO carbon removers—Chicago Automobile Supply House, 1351 S. Michigan av, Chicago, Ill.
CHICAGO coffee roasters—Dunbar & Co., 2652 W. Lake, Chicago, Ill.
CHICAGO concrete mixers— Chicago Concrete Machinery Co., Majestic bldg, Milwaukee, Wis.
CHICAGO cork lined faucets—John Sommer Faucet Co., 355 Central av, Newark, N. J.
CHICAGO cornice brakes—Dreis & Krump Mfg. Co., 2911 S. Halsted, Chicago, Ill.
CHICAGO cotton rope—Anniston Cordage Co., Anniston, Ala.
CHICAGO door springs & spring hinges—Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
CHICAGO dusters—Weil Ransom Co., 816 Fulton, Chicago, Ill.
CHICAGO emery, corundum & leather buffing wheels —Chicago Wheel & Mfg. Co., 1101 W. Monroe, Chicago, Ill.
CHICAGO engine centering jacks—McMaster Carr Supply Co., 174 N. Market, Chicago, Ill.
CHICAGO gate latches—Duffy Mfg. Co., 214 W. Grand av, Chicago, Ill.
CHICAGO general purpose machine—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
CHICAGO glass desk pad—Chicago Mirror & Art Glass Co., 216 N. Clinton, Chicago, Ill.
CHICAGO goggles, eye protectors, respirators—Chicago Eye Shield Co., 2300 Warren av, Chicago, Ill.
CHICAGO heat regulators—Chicago Heat Regulator Co., 1801 Diversey Parkway, Chicago, Ill.
CHICAGO horse clipping machines—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
CHICAGO hot air clothes dryers—Domestic Laundry Equipment Corp., 224 W. 26th, New York
CHICAGO injectors, lubricators & oil & grease cups—Ohio Injector Co., Wadsworth, Ohio
CHICAGO clothes dryers, washing machinery, ironing boards & machines & laundry stoves—Chicago Dryer Co., 630 S. Wabash, Chicago, Ill.
CHICAGO note book holders—Galesburg Writing Machine Co., Galesburg, Ill.
CHICAGO perforating machines—Cummins Perforator Co., 4740 W. Ravenswood Park av, Chicago, Ill.
CHICAGO roll paper cutters—N. R. Streeter & Co., Rochester, N. Y.
CHICAGO rubber hose— Empire Tire & Rubber Corp., Trenton, N. J.
CHICAGO scales—Mason, Davis & Co., 7740 S. Chicago av, Chicago, Ill.
CHICAGO seeders & sowers—Cyclone Seeder Co., Urbana, Ind.
CHICAGO time recorders—International Time Recording Co. of N. Y., Endicott, N. Y.
CHICAGO traveling link grates—Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
CHICAGO truck & tractor radiator fender, hooks & gas tanks—Chicago Mfg. Co., 1464 S. Michigan av, Chicago, Ill.
CHICAGO typewriters—Galesburg Writing Machine Co., Galesburg, Ill.
**CHICAGO universal pneumatic hose couplings—Chicago Pneumatic Tool Co., 6 E. 44th, New York**
CHICAGO valves—Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
CHICAGO wire rope clips—Chicago Wire Rope Preserver Co., 315 S. La Salle, Chicago, Ill.
CHICAGO wire rope sockets—Chicago Steel Foundry Co., 3701 S. Kedzie av, Chicago, Ill.
CHICAGO AA cement—Chicago Portland Cement Co., 30 N. La Salle, Chicago, Ill.
CHICAGO Francis clothes dryers—Chicago Dryer Co., 630 S. Wabash av, Chicago, Ill
CHICAGO GRIP Comealongs—Mathis Klein & Sons, 3200 Belmont, Chicago, Ill.

CHICAGO LAUNDRY clothes dryers—Chicago Dryers Co., 630 S. Wabash av, Chicago, Ill.
CHICAGO PNEUMATIC compressors — Chicago Pneumatic Tool Co., 6 E. 44th, New York
CHICAGO RAPIDO clothes dryers—Chicago Dryers Co., 630 S. Wabash av, Chicago, Ill.
CHICKASAW hollow blast grate bars—Chickasaw Mach. & Fdry. Co., Memphis, Tenn.
CHICKASAW oak flooring—Memphis Hardwood Flooring Co., Memphis, Tenn.
**CHICKEN clover cutters & feed cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.**
CHICORA flax packing—General Asbestos & Rubber Co., Charleston, S. C.
**CHICOT hammer handles—American Handle Co., Jonesboro, Ark.**
**CHIEF barn cupolas & metal bldg corners—Shrauger & Johnson, Atlantic, Ia.**
**CHIEF grass catchers—F. & N. Lawn Mower Co., Richmond, Ind.**
**CHIEF maple flooring—Kerry & Hanson Flooring Co., Grayling, Mich.**
**CHIEF stump pullers—C. D. Edwards, Albert Lea, Minn.**
**CHIEF wall plaster—Romen Nose Gyp. Co., Bickford, Okla.**
CHIEF SENTRY gasoline pump—S. F. Bowser & Co., Fort Wayne, Ind.
**CHIEFTAIN belting—Smyth-Despard Co., Utica, N. Y.**
**CHIEFTAIN metallic shingles—Berger Mfg. Co., Canton, Ohio**
**CHI-FAU-CO. cocks & bibbs, faucets & drinking fountains—Chicago Faucet Co., 315 S. Clinton, Chicago, Ill.**
**CHILD'S fire extinguisher & hose clamps—O. J. Childs Co., Utica, N. Y.**
**CHILDS COMFORT closet seats—Schwab Bros. Co., 811 E. 9th, New York**
CHILLINGWORTH gear cases—Thayer & Co., 111 Broadway, New York
**CHILLY KING milk coolers—Chas. Skidd Mfg. Co., Kenosha, Wis.**
CHILSON stoves—Chilson Furnace Co., Mansfield, Mass.
CHINA INDEX HANDLE basin cocks—McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
CHINA LAC floor finish—Patterson-Sargent Co., 1325 E. 38th, Cleveland, Ohio
**CHINALINE enamels—U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.**
**CHINA MAKER crayons—Standard Crayon Mfg. Co., Danvers, Mass.**
**CHI-NAMEL cement floor coatings & varnish—Ohio** Varnish Co., 8604 Kinsman, Cleveland, Ohio
CHINESE paint brushes—Rennous, Kleinle & Co., 3221 Frederick av, Baltimore, Md.
CHIPPENDALE QUALITY table glassware—Jefferson Glass Co., Follansbee, W. Va.
CHIRRY miners' safety lamps—Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.
CHI-VAR-CO auto varnishes—Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
CHLORIDE storage batteries—Electric Storage Battery Co., 19th & Allegheny av, Phila., Pa.
CHOLLAR'S feed water purifiers—Stacey Mfg. Co., Big Four RR & Township av, Elmwood, Cincinnati, Ohio
CHOQUETTE waste savers—Torrance Mfg. Co., Harrison, N. J.
**CHORE BOY gasoline engines—Associated Mfrs. Co.,** Waterloo, Iowa
CHOUAGUEN shade cloth—Oswego Shade Cloth Co., Oswego, N. Y.
CHRIST coal jigs—Tamaqua Mfg. Co., Tamaqua, Pa.
CHRISTEN blacksmiths' bellows—Christen Bellows & Mfg. Co., Main & Dock, St. Louis, Mo
CHRISTENSEN electric car brakes—Allis-Chalmers Mfg. Co., W. Allis, Milwaukee, Wis.
CHRISTIANA suction hose, garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
CHRISTY kitchen knives & egg & cream beaters—Christ Knife Co., Fremont, Ohio
CHURBUCK cross arms, insulator pins & brackets—Electrical Construction Supply Co., Springfield, Ohio
CHUM heating stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
CHURCH belt fasteners—Sawyer Belt Hook Co., Pawtucket, R. I.
CHURCH wire stretchers & woven wire fences—Church Bros., Adrian, Mich.
CHUSE engines—Chuse Engine & Mfg. Co., Mattoon, Ill.
CINCH expansion bolts—National Lead Co., 111 Broadway, New York



**CINCH fence stays—Worth Wire Works, Kokomo, Ind.**
CINCH fruit jar wrenches—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
**CINCH metal polish—American Motor Equipment** Co., 181 Massachusetts av, Boston, Mass.
CINCINNATI box straps—W. F. Robertson, Steel & Iron Co., Elm & Commerce, Cincinnati, Ohio
CINCINNATI drilling machine vises—Cincinnati-Bickford Tool Co., Cincinnati, Ohio
CINCINNATI frogs, switches & crossings—Cincinnati Frog & Switch Co., Oakley, Cincinnati, O.
CINCINNATI oven illuminators—Dutchess Tool Co., Fishkill-on-Hudson, N. Y.
CINCINNATI planers—Cincinnati Planer Co., Cincinnati, O.
CINCINNATI portable drilling machines—Cincinnati Electrical Tool Co., Cincinnati, Ohio
CINCINNATI truss step ladders—Rich Pump Co., South & Depot, Cincinati, Ohio
CINCINNATI wire rope clips—C. M. Mockbee, 816 E. Pearl, Cincinnati, Ohio
CINCINNATUS concrete mixers—Ideal Concrete Machinery Co., 1346 Monmouth av, Cincinnati, Ohio
CINCINNATUS rubber hose, rubber packing—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
CIN-MAN-CO. metal frame window screens—Cincinnati Mfg. Co., 1243 W. 6th, Cincinnati, Ohio
CINO gate valves—D. T. Williams Valve Co., Cincinnati, Ohio
CINRUBCO insulating tape—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
CIRE-PERDUE bronze monuments—Roman Bronze Works, 275 Greene, Brooklyn, N. Y.
CISCO punching & shearing machinery, bending & straightening rolls, lathes, cranes—Cincinnati Iron & Steel Co., Cincinnati, Ohio
CITICO pig iron—Citico Furnace Co., Chattanooga, Tenn.
CITRUS washing powders—Citrus Soap Co., San Diego, Cal.
CITY parlor door hangers—Lawrence Bros., Sterling, Ill.
CITY GEM mail boxes—Metal Forming Corp., Elkhart, Ind.
CLAFLIN automatic tube blowers—C. A. Claflin Co., 161 High, Boston, Mass.
CLAFLIN baseball & athletic shoes—Waldo M. Claflin, 1107 Chestnut, Phila., Pa.
CLAIRMONT belting—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
CLA-LOID soap—Cla Loid Mfg. Co., Clermont, Ia.
CLANNY miners' safety lamps—American Safety Lamp & Mine Supply Co., Scranton, Pa.
CLARCO steel truck & rubber tired wheels—W. J. Clark Co., Salem, Ohio
CLARK automobile ammeters—Clark Elec. Meter Co., 1330 12th, Detroit, Mich.
CLARK automobile & carriage heaters—Chicago Flexible Shaft Co., 5600 W. 12th, Chicago, Ill.
CLARK automobile heaters—Clark Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
CLARK corn huskers—R. F. Clark, 169 N Jefferson, Chicago, Ill.
CLARK damper regulators—Foskett & Bishop Co., New Haven, Conn.
CLARK expansive bits—Conn. Valley Mfg. Co., Centerbrook, Conn.
CLARK expansive bits—Superior Mfg. Co., Gloucester, Mass.
CLARK gas radiators—American Stove Co., 827 Chouteau av, St. Louis, Mo.
CLARK grain power shovels—Wolf Co., Chambersburg, Pa
CLARK harrows & pulverizers, clod crushers & root cutters—Cutaway Harrow Co., Higganum, Conn.
CLARK—meter boxes—H. W. Clark Co., Mattoon, Ill.
CLARK pattern expansive bits—W. A. Ives Mfg. Co., Wallingford, Conn.
CLARK pipe joint cements—Clark Cast Steel Cement Co., Shelton, Conn.
CLARK portable grain elevators—Clark Machine Co., St. Johnsville, N. Y.
CLARK safety razors—Clark Blade & Razor Co., 119 Sussex av, Newark, N. J.
CLARK steel factory trucks, barrows, casters, exhaust fans, wringing machines—Geo. P. Clark Co., Windsor Locks, Conn.
CLARK tablet machines—F. J. Stokes Machine Co., 17th & Cambria, Phila., Pa.
CLARK trolley line materials—Clark Elec. & Mfg. Co., 149 Broadway, New York
CLARK trolley wire splicers—Electric Railway Equipment Co., Cincinnati, Ohio
CLARK tuyere irons—Illinois Iron & Bolt Co., Carpentersville, Ill.
CLARKE damper regulators—E. Rutzler Co., 404 E. 49th, New York

CLARK'S argricultural implements—Cutaway Harrow Co., Higganum, Conn.
CLARK'S bits & wall strapers—C. E. Jennings & Co., 71 Murray, New York
CLARK'S blind hinges—Wrightsville Hardware Co., Wrightsville, Pa.
CLARK'S damper regulators—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
CLARK'S damper regulators—Enoch Rutzler Co., 404 E. 49th, New York
CLARK'S emergency exit door locks—Hugh Elmer Clark & Bros., Rochester, N. Y.
CLARK'S expansive bits—James Swan Co., Seymour, Conn.
CLARK'S expansive bits & screw drivers—R. H. Brown & Co., New Haven, Conn.
CLARK'S metallic life boats & rafts—Detroit Shipbuilding Co., Brass Dept., ft. Orleans, Detroit, Mich.
CLARK'S reversible hinges—Grey Iron Casting Co., Mt. Joy, Pa.
CLARK TONNEON wind shields—A. N. Clark & Son, Plainville, Conn.
CLAROL belt dressing—Viscol Co., Cambridge, Mass.
CLARY railroad tie plates—Cleveland Railway Supply Co., Swetland bldg, Cleveland, Ohio
CLASON roof snow guards—Clason Architectural Metal Wks., 428 Kinsley av, Providence, R. I.
CLAUSS manicure sets, shears, scissors & razors—U. J. Ulery Co., 258 B'way, New York
CLAUSS mincing knives—Udell Works, Indianapolis, Ind.
CLAUSS shears, safety razors, knives—Clauss Shear Co., Fremont, Ohio
CLAY hydraulic packing—H. Johnson Co., ft Gates av, Jersey City, N. J.
CLAY-JONES hose couplings—Jno. H. Clay, 1320 Ridge av, Phila., Pa.
CLEAN CLAW farriers' hammers—Champion Tool Co., Meadville, Pa.
CLEAN-CUT weed cutters—H. C. Shaw Co., Stockton, Cal.
CLEAN EASY hand soap—Wm. R. Winn, 488 Cherry, New York
CLEANER carpet beaters—Holt-Lyon Co., Tarrytown, N. Y.
CLEANOFF paint & varnish remover—Campbell Glass & Paint Co., 816 N. 7th, St. Louis, Mo.
CLEANOLA furniture polish—Cleanola Co., Fulton bldg. Pittsburgh, Pa.
CLEAN-OUT water closets—Wheeling Sanitary Mfg. Co., Wheeling, W. Va.
CLEAN SWEEP brass bushings, brass elbows & catch basin traps—Detroit Sanitary Supply Co., 1191 2d, Detroit, Mich.
CLEAN SWEEP hay loaders—Sandwich Mfg. Co., Sandwich, Ill.
CLEAN U WELL door mats—Modern Mtg. Co., Hagerstown, Md.
CLEANWELL flexible steel mats—Pettler Wire Products Co., Beaver Falls, Pa.
CLEAR CUT grates—Marion Foundry Corp., Marion, Ind.
CLEBRA gas service cocks—Cleveland Brass Mfg. Co., 4606 Hamilton, Cleveland, Ohio
CLECO pneumatic air valves—Cleveland Pneumatic Tool Co., 3734 E. 78th, Cleveland, Ohio
CLELAND SPECIAL fanning mills—Cleland Mfg. Co., Minneapolis, Minn.
CLEMCO desks—Clemetsen Co., 2607 Flournoy, Chicago, Ill.
CLEMENT band saw filing & setting machines—American Wood Working Machinery Co., Rochester, N. Y.
CLEOPATRA sewing machines, needles—John Thornton, Jr., 108 Worth, New York
CLERMONT hot air furnaces—Gem City Stove Co., Dayton, Ohio
CLERO automobile horns & push buttons—Fitzgerald Mfg. Co., Torrington, Conn.
CLEVELAND ale & beer pumps—Russ Co., 5700 Walworth av, Cleveland, Ohio
CLEVELAND barn door hangers—Lawrence Bros., Sterling, Ill.
CLEVELAND boiler compounds—Cleveland Mfg. & Supply Co., Wade bldg, Cleveland, Ohio
CLEVELAND blast furnaces—Cleveland Furnace Co., Clark av., S. W., & Cuyahoga River, Cleveland, O.
CLEVELAND car fenders & wheel guards, fare boxes & sand boxes—Cleveland Fare Box Co., 4900 Lexington av, Cleveland, Ohio
CLEVELAND cultivators—Empire Plow Co., 3140 E 65th, Cleveland, Ohio
CLEVELAND flushing valves—Cleveland Flush Meter Co., 118 Noble ct, Cleveland, Ohio
CLEVELAND hot air furnaces—Bennett Furnace Co., 6531 Euclid av, Cleveland, Ohio
CLEVELAND joist hangers—Columbian Hardware Co., Cleveland, Ohio
CLEVELAND milling machines—Clark-Mesker Co., 18511 Euclid av, Cleveland, O.
CLEVELAND motor cycles—Cleveland Motor Cycle Mfg. Co., 7209 Platt av, Cleveland, Ohio
CLEVELAND planing machines—open side—Cleveland Planer Works, 3150 Superior, Cleveland, Ohio
CLEVELAND pneumatic tools & valve grinders—Cleveland Pneumatic Tool Co., 3734 E. 78th, Cleveland, Ohio
CLEVELAND rock drills—Cleveland Rock Drill Co., 3734 E 78th, Cleveland, Ohio
CLEVELAND roof snow guards & wall ties—Duplex Hanger Co., E. 53rd & Lakeside av, Cleveland, O.
CLEVELAND tires—Cleveland Puncture Proof Tire Co., Columbus, Ohio
CLEVELAND traction engines—Cleveland Tractor Co., Euclid & Lamb avs, Cleveland, Ohio
CLEVELAND watchman's clocks—American Watchman's Time Detector Co., 3403 Perkins av, Cleveland, Ohio
CLEVELAND wet tool grinders—Cleveland Automatic Machine Co., 2269 E 65th, Cleveland, Ohio
CLEVELAND-KNOWLES magnetic separators—United Iron Works, Inc., Kansas City, Mo.
CLICO corn syrup—Clinton Sugar Refining Co., Clinton, Ia.
CLIFFORD CAPELL mine ventilating fans—Elliott Co., Frick bldg, Pittsburgh, Pa.
CLIFFS bolster seat springs—Meyer & Co., Throopsville, N. Y.
CLIFTON gas engines—Clifton Motor Works, 229 E. Clifton av, Cincinnati, Ohio
CLIFTON steel conduits—Clifton Mfg. Co., 65 Brookside av, Jamaica Plain, Boston, Mass.
CLIMAX ammunition—U. S. Cartridge Co., Lowell, Mass.
CLIMAX asphalt roofing & roofing paints—McHenry-Millhouse Mfg. Co., South Bend, Ind. & Fulton, N. Y.
CLIMAX automatic steam engines—Peer Mfg. Co., Comstock, Mich.
CLIMAX belt fasteners—Hudson Belt Fastener Co., 149 Church, New York
CLIMAX belting—Palmer N. & Co., Bridgeport, Conn.
CLIMAX blotting paper—Richmond Paper Co., Richmond, Va.
CLIMAX boiler compounds—H. Lewis Co., 723 W. Lake, Chicago, Ill.
CLIMAX car couplers—National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, Ohio
CLIMAX cellar drainers, hydrants, pipe vises, gas machines, burners, mixers, pots, soldering furnaces—C. M. Kemp Mfg. Co., 401 E. Oliver, Baltimore, Md.
CLIMAX cement plaster—Acme Cement Plaster Co., Frisco bldg, St. Louis, Mo.
CLIMAX closet seat hinges & plbrs. wood work—Sherwood Brass Works, 1167 E. Jefferson, Detroit, Mich.
CLIMAX closet seats—C. F. Church Mfg. Co., Holyoke, Mass.
CLIMAX closet seats—Meyer-Sniffen Co., 11 W. 36th, New York
CLIMAX corrugated bottle wrappers—Hinde & Dauch Paper Co., Sandusky, Ohio
CLIMAX cultivators—Ohio Cultivator Co., Bellevue, Ohio
CLIMAX cupola blocks—Climax Fire Brick Co., Climax, Clarion Co., Pa.
CLIMAX damper regulators—Kieley & Mueller, 34 W. 13th, New York
CLIMAX display racks—Weston Paper & Mfg. Co., Dayton, Ohio
CLIMAX dry batteries, automobile lamps, wire connectors & wire scrapers—Sibley & Pitman Electrical Corp., 190 6th av, New York
CLIMAX expansion bolts—Brohard Co., 3rd & Lehigh, Phila., Pa.
CLIMAX fasteners—Buffalo Automatic Mfg. Co., 165 Pearl, Buffalo, N. Y.
CLIMAX feed cutters & carriers—Warsaw-Wilkinson Co., Warsaw, N. Y.
CLIMAX flexible steel belt lacing—Mfrs. Belt Hook Co., 1321 W. Congress, Chicago, Ill.
CLIMAX foot grinders—Tri-Angle Mfg. Co., Freeport, Ill.
CLIMAX grain drills—Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
CLIMAX grindstones—Richards-Wilcox Mfg. Co., Aurora, Ill.
CLIMAX hand power grinders—Empire Implement Mfg. Co., Albany, N. Y.
CLIMAX harrows—W. A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

CLIMAX harrows & pulverizers—Parlin & Orendorff Co., Canton, Ill.
CLIMAX hose nozzles & food choppers—Landers, Frary & Clark, New Britain, Conn.
CLIMAX hot air furnaces & steel ranges—Taplin-Rice-Clerkin Co., Akron, Ohio
CLIMAX incandescent gas & gasoline burners—Climax Mach. & Burner Co., 133 3rd av, Newark, N. J.
CLIMAX ladders—Frizell Ladder Co., 135 Granite av, Boston, Mass.
CLIMAX locomotives—Climax Mfg. Co., Corry, Pa.
CLIMAX lubricating oils & greases—C. F. Sweet, Hartford, Conn.
CLIMAX mail boxes, sash locks & window anti-rattlers—Climax Lock & Ventilator Co., 656 Michigan av, Buffalo, N. Y.
CLIMAX needles—Randall-Falchney Co., Boston, Mass.
CLIMAX numbering & dating machines—Traut & Hine Mfg. Co., New Britain, Conn.
CLIMAX packing—Crandall Packing Co., Palmyra, N. Y.
CLIMAX padlocks—Slaymaker Lock Co., Lancaster, Pa.
CLIMAX paper clips—Buffalo Automatic Mfg. Co., 165 Pearl, Buffalo, N. Y.
CLIMAX paper hanger trimmers—A. Allen & Co., 2001 Carpenter, Phila., Pa.
CLIMAX plows—C. Billups Son & Co., Norfolk, Va.
CLIMAX plows—Thornburgh Mfg. Co., Bowling Green, Ohio
CLIMAX railway track drills—National-Standard Co., Box 211, Niles, Mich.
CLIMAX resistance wire—Driver-Harris Co., Harrison, N. J.
CLIMAX road scrapers—American Steel Scraper Co., Sidney, Ohio
CLIMAX rock & ore crushers, road machine & graders & stone crushing plants—Good Roads Machinery Co., Kennett Square, Pa.
CLIMAX saw clamps—Gustafson & Scott Mfg. Co., 4325 Wabansia av, Chicago, Ill.
CLIMAX shingle mill machinery—American Sawmill & Machinery Co., Hackettstown, N. J.
CLIMAX solid cotton belting—Fenwick Reddaway Mfg. Co., Newark, N. J.
CLIMAX step ladders—Goshen Mfg. Co., Goshen, Ind.
CLIMAX stump pullers—C. D. Edwards, Albert Lea, Minn.
CLIMAX sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
CLIMAX sweep horse powers—Gehl Bros. Mfg. Co., West Bend, Wis.
CLIMAX sweep horse powers—I. B. Rowell Co., Waukesha, Wis.
CLIMAX toe-calks—Franklin Steel Works, Joliet, Ill.
CLIMAX trucks—Lansing Co., Lansing, Mich.
CLIMAX valves—Illinois Engineering Co., W. 21st & Racine av, Chicago, Ill.
CLIMAX valves & sash weights—Kennedy-Stroh Corp., Pittsburgh, Pa.
CLIMAX ventilating caps—Miller Foundry & Specialty Co., N. Tonawanda, N. Y.
CLIMAX wash tub benches—Household Mfg. Co., Royersford, Pa.
CLIMAX water motors—Gaylord & Eitapenc Co., Binghamton, N. Y.
CLIMAX welding compounds—Cortland Welding Compound Co., Cortland, N. Y.
CLIMAX water supply system—Deming Co., Salem, O.
CLIMAX WHEEL garden hoes—Ohio Cultivator Co., Bellevue, Ohio
CLINCHER animal traps—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
CLINCHER conductor pipe hooks—Delphos Mfg. Co., Delphos, Ohio
CLINCHER riveting machines—Star Heel Plate Co., Wilson av, Newark, N. J.
CLINCHES lightning grip vises—Massey Vise Co., 35 S. Desplaines, Chicago, Ill.
CLINCHFIELD china & pottery—Southern Potteries, Inc., Erwin, Tenn.
CLING paper clips—H. C. Cook Co., 100-120 Jewett, Ansonia, Conn.
CLING-SURFACE belt & rope dressing—Cling-Surface Co., Buffalo, N. Y.
CLINTON horse nails—Ausable Essex Horse Nail Co., Keeseville, N. Y.
CLINTON mortar color—Clinton Metallic Paint Co., Clinton, N. Y.
CLINTON poultry netting—Wickwire Spencer Stee. Corp., Worcester, Mass.
CLINTON rubber hose—New York Rubber Co., Reade & Church, New York
CLINTON safety pins—Oakville Co., Waterbury, Conn.



CLINTON wagons—Abingdon Wagon Co., Abingdon, Ill.
CLIO water closets—Central Metal & Supply Co., 611 E. Lombard, Baltimore, Md.
CLIO water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
CLIP valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
CLIPLESS paper fasteners—Clipless Paper Fastener Co., Newton, Ia.
CLIPOX paper clips—Max Yessler, Inc., Milwaukee, Wis.
CLIPPER axes, rag cutter knives, scythes—Dunn Edge Tool Co., Oakland, Me.
CLIPPER bean & pea cleaners, bean & pea sorters, grain graders, fanning mills, alfalfa seed cleaners—A. T. Ferrell & Co., Saginaw, Mich.
CLIPPER belt fasteners, belt lacing & belt lacing machines—Clipper Belt Lacer Co., 1042 Front av, Grand Rapids, Mich.
CLIPPER breaking plows—S. R. White's Sons, Norfolk, Va.
CLIPPER carpet sweeper—Samuel Lewis, 73 Barclay, New York
CLIPPER cultivators—Peru Plow & Wheel Co., Peru, Ill
CLIPPER door hangers—Lawrence Bros., Sterling, Ill.
CLIPPER egg & cream beaters, lemon squeezers—Giles & Nielsen Nickel Works, Troy, N. Y.
CLIPPER fanning mills—Johnson & Field Mfg. Co., Racine, Wis.
CLIPPER feed cutters—A. B. Farquhar Co., Ltd., York, Pa.
CLIPPER green pea cleaning & grading machines—Sprague Canning Machinery Co., 222 N. Wabash av, Chicago, Ill.
CLIPPER lawn mowers & gasoline engines—Clipper Lawn Mower Co., Dixon, Ill.
CLIPPER well drilling machinery—Loomis Machine Co., Tiffin, Ohio.
CLIPPER wood stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
CLIPPINGER steel corn cribs—A. B. Clippinger & Son Mfg. Co., Kansas City, Kan.
CLOUGH gasoline burners—Theo. Clough, Dobbs Ferry, N. Y.
CLOVER carbon paper—Miller-Bryant-Pierce Co., Aurora, Ill.
CLOVER closet tanks—J. C. Eichman Mfg. Co., Bush & Wicomico, Baltimore, Md.
CLOVER rubber hose—Pioneer Rubber Mills, San Fransisco, Cal.
CLOVER rubber hose—Whitehead Bros. Rubber Co., Trenton, N. J.
CLOVER safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
CLOVER water heaters—Mustee Water Heater Co., 3409 Superior av, Cleveland, Ohio.
CLOVER LEAF lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
CLOVER LEAF thumb tacks—Hampden Mfg. Co., 108 Fulton, New York
CLOVERLEAF unloaders—F. E. Myers & Bro., Ashland, Ohio
CLOVER LEAF X-ray tubes—Green & Bauer, Hartford, Conn.
CLOVER TRIUMPH gas heaters—Phila. Stove & Iron Foundry Co., 1631 N. 5th, Phila., Pa.
CLOW valves, water lifts—Jas. B. Clow & Sons, Franklin & Harrison, Chicago, Ill.
CLOW TEMPERATURE BOOSTER pressure reducing valves—Jas. B. Clow & Sons, Franklin & Harrison, Chicago, Ill.
CLYDE kitchen enameled ware—Coonley Mfg. Co., Cicero, Ill.
CLYDE lime hydrating machinery—H. Miscampbell, Duluth, Minn.
CLYDE log loaders, log skidding & loading machines, stump pullers—Clyde Iron Works Sales Co., Duluth, Minn.
CLYOD flooring clamps—Hardware Specialty Mfg. Co., Anderson, Ind.
COAL King stoves—Price-Evans Foundry Co., Chattanooga, Tenn.
COAL SAVER hot air furnaces—Detroit Stove Wks., 1320 Jefferson av, Detroit, Mich.
COATES flexible shaft hair clippers, portable drilling & bracket boring machines—Coates Clipper Mfg. Co., Worcester, Mass.
COBB'S round packing—New York Belting & Packing Co., 91 Chambers, New York
COBURN barn door hangers, cranes, doors, hdwe. mfrs., fittings, ladders, overhead trolleys & trolley tracks—Coburn Trolley Track Mfg. Co., P. O. Box 721, Holyoke, Mass.

COBURN-TAYLOR rag cuting machines—B. F. Perkins & Son, Holyoke, Mass.
COBWEB carbon paper—A. P. Little, Rochester, N. Y.
COBWEB wire glass—Pennsylvania Wire Glass Co., Pennsylvania bldg, Phila., Pa.
COCHECO belting & belt cements, belt lacing— J. B. Williams & Sons, Dover, N. H.
COCHECO metallic packing—Strong Machinery & Supply Co., 21 Walker, New York
COCHRAN speednut wrenches—Henes Sales Corp., 179 W. Washington, Chicago, Ill.
COCHRANE feed water heaters & purifiers—Harrison Safety Boiler Works, 17th & Allegheny, Phila., Pa.
COCO oil & gasoline pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
CODORUS roofing paper—Schmidt & Ault Paper Co., York, Pa.
CODRU plumbers' sanitary earthenware—N. J. China Pottery Co., Trenton, N. J.
COEN mechanical fuel oil burners—Coen Co., 112 Market, San Francisco, Cal.
COE'S gilding wheels—W. H. Coe Mfg. Co., 74 Weybosset, Providence, R. I.
COES wrenches—Coes Wrench Co., Worcester, Mass.
COFFIELD electric clothes washing machines—Coffield Motor Washer Co., Dayton, Ohio
COFFIN planimeters—Ashcroft Mfg. Co., 119 W. 40th, New York
COGSWELL clay grinding machines & mills—A. & F. Brown Co., 79 Barclay, New York
COHOES freight elevators, cylinder & hot air slashers —Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.
COIN compression grease cups—Wm. Powell Co., Cincinnati, Ohio
COIT drill chucks—Narragansett Machine Co., Providence, R. I.
COIT drill chucks—Standard Machinery Co., Mystic, Conn.
COLBE combination range—E. B. Colby & Co., Hoboken av, Jersey City, N. J.
COLBERT can filling machines—Sprague Canning Machinery Co., 222 N. Wabash av, Chicago, Ill
COLBURN tool holders—Colburn Machine Tool Co., Franklin, Pa.
COLD HANDLE family sad irons—Gray Iron Foundry Co., Reading, Pa.
COLD HANDLE stove lid lifters—Grey Iron Casting Co., Mt. Joy, Pa
COLDWATER garden cultivators & manure spreaders —New Idea Spreader Co., Coldwater, Ohio
COLDWELL lawn mowers & lawn mower sharpeners —Coldwell Lawn Mower Co., Newburgh, N. Y.
COLEBROOK CROWN store makers' putty—W. H. Colebrook's Sons, Syracuse, N. Y.
COLEBROOKDALE electric sad irons—Colebrookdale Iron Co., Pottstown, Pa.
COLEBROOK'S plumbers' soil—Colebrook's' Sons, Syracuse, N. Y.
COLECTO annunciators—S. H. Couch Co., Norfolk Downs, Mass.
COLEMAN arc lamps—Coleman Lamp Co., 120 S. Los Angeles, Los Angeles, Cal.
COLEMAN lamps—Coleman Lamp Co., Wichita, Kan.
COLEMAN EAGLE carriage bolts—Upson Nut Co., Cleveland, Ohio.
COLE'S hot blast stoves—Cole Mfg. Co., 3218 S. Western av, Chicago, Ill.
COLGAN lubricating oils—Colgan Mfg. & Supply Co., 118 Maiden la, New York
COLLEGE lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
COLLERLEAK pipe clamps—Dayton Pipe Coupling Co., Dayton, Ohio
COLLES feed water purifiers—Sharkey & Peck, 2433 W. 18th, Chicago, Ill.
COLLICOTT'S improved—Ingall's tube scrapers—Newark Brush & Scraper Co., 266 Fabyan pl, Newark, N J.
COLLINGE carriage axles—Lee & Porter, Buchanan, Mich.
COLLINS automobile wind shields—G. A. Collins & Son, Akron, Ohio
COLLINS metallic packing—Collins Metallic Packing Co., 56 N. 2d, Phila., Pa.
COLLINS pressure regulators—Collins Mfg. Co. (Ltd.), 612 Chestnut, Phila., Pa.
COLLINS tube expanders—Ajax Mfg. Co., N. S., Pittsburgh, Pa.
COLLS boiler ejectors—Tranter Mfg. Co., 105 Water, Pittsburgh, Pa.
COL-MAC carburetors—Col-Mac Co., 250 South, Newark N J.
COLOMBO plumbago—J. S. McCormick & Co., 25th & A. V. R. R., Pittsburgh, Pa.
COLONEL gas arc lamps—Risinger Bros. Co., E. Liverpool, Ohio
COLONEL sight feed lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
COLONIAL babbitt metal—Colonial Supply Co., 217 Water, Pittsburgh, Pa.
COLONIAL coffee & spice mills—Wrightsville Hardware Co., Wrightsville, Pa.
COLONIAL compression grease cups—Wm. Powell Co., Cincinnati, Ohio
COLONIAL copper clad wire—Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
COLONIAL cultivators—Brand Detour Plow Co., Dixon, Ill.
COLONIAL dampers, andirons & gates—Colonial Fireplace Co., 4631 W. 12th, Chicago, Ill.
COLONIAL gas pressure regulators—Baylis Co., Bloomfield, N. J.
COLONIAL high speed crucible steel—Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
COLONIAL hot air registers—Phila. Hdw. & Mail. Iron Works, 9th & Jefferson, Phila., Pa.
COLONIAL incandescent electric lamps—Colonial Electric Works of G. E. Co., Warren, Ohio
COLONIAL lubricating oils—Borne-Scrymser Co., 80 South, New York.
COLONIAL packing—Colonial Supply Co., Pittsburgh, Pa.
COLONIAL pig iron—Colonial Iron Co., 149 B'way, New York
COLONIAL porch columns—Saco Mfg. Co., Saco, Me.
COLONIAL potheads—Colonial Sign & Insulator Co., Akron Ohio
COLONIAL sanitary flooring—Warren Bros. Co., 142 Berkeley, Boston, Mass.
COLORADO concrete mixers—Colorado Concrete Mixer Co., Denver, Colo.
COLORADO lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
COLORADO potato planters—Hassell Iron Works Co., Colorado Springs, Colo.
COLORIFIC mortar colors—Jas. M. Wells Co., Ogdensburg, N. Y.
COLORLESS WATERPROOFING brick paints—Glidden Co., Madison av & Berea rd, Cleveland, Ohio
COLORTONE IVORY PY-RA-LIN toilet articles—Arlington Wks., The (E. I. du Pont de Nemours & Co.), Wilmington, Del.
COLOSSUS air drill hose, suction hose, steam hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
COLTAY miners' spades—Smith-Courtney Co., Richmond, Va.
COLTON cement—California Portland Cement Co., Los Angeles, Cal
COLTON lathe tool holders—Keystone Equipment Co., 1825 Walnut, Phila., Pa.
COLTRIN concrete mixers—Knickerbocker Co., Jackson, Mich.
COLT'S automobile jacks, screw clamps, wagon jacks —Batavia Clamp Co., Batavia, N. Y.
COLUMBIA armature banding machines, coil taping machines, electric car brakes, gear cases, pinion pullers, signal switches, snow sweepers, pneumatic lifts—Columbia Machine Works & Iron Co., 269 Chestnut, Brooklyn, N. Y.
COLUMBIA auto. headlights, lamps, track jacks—Hine-Watt Mfg. Co., 180 N. Market, Chicago, Ill.
COLUMBIA bed & furniture casters—Columbia Ball Caster Co., 160 N. 5th av, Chicago, Ill.
COLUMBIA can openers—General Phonograph Corp., 25 W. 25th, New York
COLUMBIA car cleaning oils, varnish renovators—Columbia Refining Co., 90 West, New York
COLUMBIA car trucks—McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
COLUMBIA carbon paper & typewriter ribbons—Columbia Ribbon & Carbon Mfg. Co., 69 Wooster, New York
COLUMBIA coal chutes & sidewalk doors—Columbia Iron & Wire Works Co., Canton, Ohio
COLUMBIA coal mining picks—Warwood Tool Co., Warwood, Wheeling, W. Va.
COLUMBIA cotters & keys—Hindley Mfg. Co., Valley Falls, R. I
COLUMBIA cotton rope—Anniston Cordage Co., Anniston, Ala.
COLUMBIA cultivators & harrows—Brinly-Hardy Co., Louisville, Ky.
COLUMBIA dumb waiters— J. G. Speidel, Reading, Pa.
COLUMBIA storage & open batteries, arc light carbons, testing instrument battery connectors—National Carbon Co., Madison av, N. W. & W. 117th, Cleveland, Ohio.
COLUMBIA embossing presses—A. Dewes Co., The, 199 Lafayette, New York
COLUMBIA engine stops—Consolidated Engine Stop Co., 133 W. 19th, New York

COLUMBIA extension clothing carriers—Knape & Vogt Mfg. Co., Grand Rapids, Mich.
COLUMBIA family scales—Landers, Frary & Clark, New Britain, Conn.
COLUMBIA flour sieves—Parker Wire Goods Co., Worcester, Mass.
COLUMBIA flour sifters—National Enameling & Stamping Co., 411 5th av, New York
COLUMBIA glass insulators—Brookfield Glass Co., 2 Rector, New York
COLUMBIA grain drills, rice planting drills & seeder attachments—Wm. Fetzer Co., Springfield, Ill.
COLUMBIA high pressure rod packing, grease cups, lawn sprinkler—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
COLUMBIA high speed steel—Columbia Tool Steel Co., 552 W. Lake, Chicago Heights, Ill.
COLUMBIA hot air furnaces—Columbus Heating & Ventilating Co., Columbus, Ohio
COLUMBIA incandescent electric lamps—Columbia Lamp Division of G. E. Co., the Nat'l bldg, St. Louis, Mo.
COLUMBIA insulating tape—Electrical Material Co., 618 W. Jackson blvd, Chicago, Ill.
COLUMBIA lawn mowers—American Lawn Mower Co., Muncie, Ind.
COLUMBIA lawn swings—Specialty Mfg. Co., Titusville, Pa.
COLUMBIA lock-nuts & washers—Columbia Nut & Bolt Co., Bridgeport, Conn.
COLUMBIA logging tools—American Logging Tool Co., Evart, Mich.
COLUMBIA marine gears—Marine Mfg. & Supply Co., 158 South, New York
COLUMBIA meat choppers—Peden Iron & Steel Co., Houston, Texas
COLUMBIA meter calibrators & watthour meters—Roller-Smith Co., 233 Broadway, New York
COLUMBIA mop wringers—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
COLUMBIA post marking mchy.—Columbia Postal Sup. Co., Silver Creek, N. Y.
COLUMBIA recording thermometers—Schaeffer & Budenberg Mfg. Co., Berry & S. 5th, Brooklyn, N. Y.
COLUMBIA screen door hinges—Columbian Hardware Co., Cleveland, Ohio
COLUMBIA seeders & sowers—Peoria Drill & Seeder Co., Peoria, Ill.
COLUMBIA shears—Columbian Cutlery Co., Reading, Pa.
COLUMBIA shingle mill machinery—Perkins & Co., Grand Rapids, Mich.
COLUMBIA shoe lasts & stands—Wrightsville Hardware Co., Wrightsville, Pa.
COLUMBIA steam heaters—Jas. R. Vance, Geneva, N. Y.
COLUMBIA steam traps—Watson & McDaniel Co., 146 N. 7th, Phila., Pa.
COLUMBIA steam & hot water heaters—Columbia Heater Co., Paterson, N. J.
COLUMBIA step ladders—Bent Rung Ladder & Mfg. Co., Indiana, Pa.
COLUMBIA tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
COLUMBIA ventilators—Hoffmann & Baur, 279 Lake, Milwaukee, Wis.
COLUMBIA ventilators—E. E. Souther Iron Co., Kienlen & Hamburger, St. Louis, Mo.
COLUMBIA water meters—Union Water Meter Co., Worcester, Mass.
COLUMBIA wire link fabric—Mattatuck Mfg. Co., Waterbury, Conn.
COLUMBIA HOT SHOT ignition batteries—National Carbon Co., Madison av, N. W., & W. & W. 117th, Cleveland, Ohio
COLUMBIA IGNITOR blasting, dry & ignition batteries—National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, Ohio
COLUMBIA MULTIPLE ignition batteries—National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, Ohio
COLUMBIA RED LABEL dry batteries — National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, Ohio
COLUMBIAN anvils, hinges, door pulls, hot air registers, vises—Columbian Hardware Co., Cleveland, Ohio
COLUMBIAN blotting paper—Eaton-Dikeman Co., Lee, Mass.
COLUMBIAN brick paints—Adams & Elting Co., 726 Washington, Chicago, Ill.
COLUMBIAN catch basins, fire hydrants, manhole covers, meter & valve boxes, sewer inlets, sluice gates & valves—Columbian Iron Wks., Chattanooga, Tenn.
COLUMBIAN cotton hose—Mechanical Rubber Co., 73 Reade, New York



COLUMBIAN electric lamp hoods—National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N J.
COLUMBIAN flag pole brackets—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
COLUMBIAN gasoline stoves—M. Schrayer's Sons & Co., 917 W. 18th, Chicago, Ill.
COLUMBIAN lubricators—Nathan Mfg. Co., 416 E. 106th, New York
COLUMBIAN lubricators—Wm. Powell Co., Cincinnati, Ohio
COLUMBIAN mail cranes, catchers, cattle guard & store trucks—Columbian Mail Crane Co., Columbus, Ohio
COLUMBIAN one pipe warm air furnaces—Keeley Stove Co., Columbia, Pa.
COLUMBIAN propeller wheels—Columbian Bronze Corp., 522 5th av, New York
COLUMBIAN road scrapers—Western Wheeled Scraper Co., Aurora, Ill.
COLUMBIAN row-locks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
COLUMBIAN water heaters—Chas. Haberling, Columbus, Ohio
COLUMBIAN wood alcohol—A. L. Webb & Sons, Maryland Trust bldg, Baltimore, Md.
COLUMBIAN METHANOL wood alcohol—Wm. S. Gray & Co., 80 Maiden la, New York
COLUMBUS brass elbows & towel bars—Columbus Brass Co., Columbus, Ohio
COLUMBUS canthooks, pavement cleaners & post hole diggers—Columbus Handle & Tool Co., Columbus, Ind.
COLUMBUS concrete carts, concrete barrows & drag road scrapers—Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
COLUMBUS farm trucks & wagons—International Harvester Co. of Am. Inc., Harvester bldg, Chicago, Ill.
COLUMBUS galvanized iron ventilators—F. O. Schoedinger, 142 N. 3d, Columbus, O.
COLUMBUS gas furnaces—Columbus Heating & Ventilating Co., Columbus, Ohio
COLUMBUS lamp posts—O'Brien Bros., 276 W. Main, Columbus, O.
COLUMBUS oil filters—F. A. Nusbaum, 219 Ruffner, Lockland, Ohio
COLUMBUS steel wagon skeins—American Skein & Foundry Co., Racine, Wis.
COLUMBUS steel wagon skeins—Illinois Iron & Bolt Co., Carpentersville, Ill.
COLUMBUS sugar cane mills—Southern Plow Co., Columbus, Ga.
COLUMBUS wagons—A. A. Cooper Wagon & Buggy Co., Dubuque, Ia.
COLVIN interchangeable hammers—Greene, Tweed & Co., 109 Duane, New York
COMBAT storage batteries—Commercial Battery Co., 759 Boston av, Chicago, Ill.
COMBER waterproof belting—Geo. Rahmann & Co., 31 Spruce, New York
COMBINATION bath traps—Jos. H. Young Co., 82 High, Boston, Mass.
COMBINATION cobbler's outfit—Fate-Root-Heath Co., Plymouth, Ohio
COMBO cement asbestos roofing—Philip Carey Mfg. Co., 330 Wayne av, Lockland, Cincinnati, O.
COMBS foundry riddles—Great Western Mfg. Co., Leavenworth, Kans.
COMBUSTO fuel economizers—Combusto Devices Corp., 250 W. 54th, New York.
COMET bare and insulated resistance wire—Electrical Alloy Co., Morristown, N. J.
COMET boiler gasket packing—Squires & Byrne Rubber Co., San Francisco, Cal.
COMET chain wrenches—Hilts Wrench & Mfg. Co., Richford, N. Y.
COMET feed cutters—Wilder Strong Implement Co., Monroe, Mich.
COMET gas igniters—Henricks Magneto & Electric Co., Indianapolis, Ind.
COMET ratchet wrenches—Chas. Miller, Syracuse, N. Y.
COMET safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
COMET spark plugs—Oakes & Dow Co., 311 Atlantic av, Boston, Mass.
COMET water heaters—Mustee Water Heater Co., 3409 Superior av, Cleveland, Ohio
COMET SPECIAL safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
COMFORT buggy aprons—Vehicle Top & Supply Co., 3414 Lindell av, St. Louis, Mo.
COMFORT deadening felts—H. F. Watson Co., Erie, Pa.
COMFORT electric portable fans—Shedd Electric Co., Roselle, N. J.

COMFORT hot air furnaces—W. G. McPherson Co., 19th & Wilson, Portland, Ore.
COMFORT razors—S. R. Droescher, 79 Warren, New York
COMFORT rubber heels—Boston Woven Hose & Rubber Co., Cambridge, Mass.
COMFORT shoulder protecting automobile robes—Comfort Auto Robe Co., Inc., Waterloo, N. Y.
COMFORT swing chair lawn swings—Haggard & Marcusson Co., 1109 W 37th, Chicago, Ill.
COMFORT water closets—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162d, New York.
COMINS humidifying apparatus—American Moistening Co., 120 Franklin, Boston, Mass.
COMMANDER canvas belting—Goodyear Tire & Rubber Co., Akron, O.
COMMANDER rubber belting—B. F. Goodrich Co., Akron, Ohio
COMMERCIAL annular ball bearings—Schatz Mfg. Co., Poughkeepsie, N. Y.
COMMERCIAL blotting paper—Jos. Parker & Son Co., New Haven, Conn.
COMMERCIAL flax packing—General Asbestos & Rubber Co., Charleston, S. C.
COMMERCIAL fountain pen—Sanford & Bennett Co., 51 Maiden Lane, New York
COMMODORE cotton hose—Acme Rubber Mfg. Co., Trenton, N. J.
COMMON PROOF coil chains—Columbus McKinnon Chain Co., Columbus, O.
COMMON SENSE automobile bumpers—Hoover Spring Co., 617 Turk, San Francisco, Cal.
COMMON SENSE bench stops—Bonney Vise & Tool Works, Allentown, Pa.
COMMON SENSE bob sleds—B. F. & H. L. Sweet Co., Fond du Lac, Wis.
COMMON SENSE boring tools—W. W. Blakely, Detroit, Mich.
COMMON SENSE carriage fasteners—Carr Fastener Co., Boston, Mass.
COMMON SENSE cattle stanchions—Olson Mfg. Co., Albert Lea, Minn.
COMMON SENSE dumping grates—Gibson Iron Works Co., 168 1st, Jersey City, N. J.
COMMON SENSE exhaust heads—Strandwitz & Scott, Camden, N. J.
COMMON SENSE floor scrapers—J. A. Kuster, Plymouth, Wis.
COMMON SENSE nail pullers—Warner Hammer Co., Cromwell, Conn.
COMMON SENSE oil & grease cups—Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
COMMON SENSE screw plates—A. J. Polk & Son Co., Millersburg, Pa.
COMMON SENSE time switches—Kennedy-Webster Co., 536 S. Clark, Chicago, Ill.
COMMON SENSE tube scraper—Winfield H. Smith, Buffalo, N. Y.
COMMON SENSE window cleaners—F. H. Smith Mfg. Co., 3047 Carroll av, Chicago, Ill.
COMMONWEALTH farm trucks—Abingdon Wagon Co., Abingdon, Ill.
COMMONWEALTH lawn mowers—Worcester Lawn Mower Co., Worcester, Mass.
COMMUNITY silverware—Oneida Community (Ltd.), Oneida, N. Y.
COMO pipe wrenches—Mechanical Specialties Mfg. Co., 1464 Webster av, Chicago, Ill.
COMOS brick & rust proof paints—Durabla Mfg. Co., 114 Liberty, New York
COMPACT folding cots—Hard Mfg. Co., 117 Tonawanda, Buffalo, N. Y.
COMPETITION adjustable drag scrapers—Galion Iron Works & Mfg. Co., Galion, Ohio
COMPETITION enameled blotting paper—Wrenn Paper Co., Middletown, Ohio
COMPETITION rubber hose—Whitehead Bros. Rubber Co., Trenton N. J.
COMPETITOR babbitt metal—Lissberger Marks & Son, 281 Borden av, Long Island City, N. Y.
COMPLETE laundry starch—Corn Products Refining Co., 17 Battery pl, New York
COMPO classic wood carvings—Western Builders' Supply Co., 135 2d, San Francisco, Cal.
COMPO crayons and slate pencils—D. M. Stewart Mfg. Co., Chattanooga, Tenn.
COMPO BOARD wall board—Compo Board Co., 44th & Lyndale avs, Minneapolis, Minn.
COMPOUND metal polish—Grady Mfg. Co., 250 Ely av, Astoria, N. Y.
COMPROMISE rail step joints—Q. & C. Co., 90 West, New York
COMPTON button hole cutters—W. H. Compton Shear Co., 314 Camden, Newark, N. J.
COMSTOCK air compressors—Geo. S. Comstock & Son, Mechanicsburg, Pa.
CONCORD carriage axles—Lee & Porter, Buchanan, Mich.
CONCORD carriages—C. A. Pinkham Carriage Co., Farmington, Me.
CONCORD kitchen enameled ware—Strong Mfg. Co., Sebring, Ohio
CONCORD pruning shears—Smith, Seymour & Son, Oakville, Conn.
CONCORD radiators—Union Radiator Co., Johnstown, Pa.
CONCRETE FLOOR DRESSING brick paints—Glidden Co., Madison av. & Berea rd, Cleveland, O.
CONDAC shock absorbers—Duke Oak Lumber Co., Wellsville, N. Y.
CONDENSITE impregnating compound—Condensite Co. of America, Bloomfield, N. J.
CONDICT revolving screens—Steele & Condict, 74 Pearl, Jersey City, N. J.
CONDIT switches, circuit breakers, relays, testing clips & transformers—Condit Electrical Mfg. Co., 1st & L, Boston, Mass.
CONDOR belting—Manhattan Rubber Mfg. Co., Passaic, N. J.
CONDULETS electric service fuse & junction boxes—Crouse-Hinds Co., Syracuse, N. Y.
CONDULETTO porcelain receptacles—Crouse-Hinds Co., Syracuse, N. Y.
CONESCO tool steel—Conn. Elec. Steel Co. Inc., Hartford, Conn.
CONEWAGO insulating paper—Keystone Roofing Mfg. Co., York, Pa.
CONGO bagging—Atlantic Jute Mills, Norfolk, Va.
CONGO roofing, roofing cements & roofing paints—United Roofing & Mfg. Co., Morris bldg, Phila., Pa.
CONGO rubber hose, rubber packing—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio.
CONGO sheet packing—W. H. Salisbury & Co., 308 N. Madison, Chicago, Ill.
CONGO sheet packing—W. H. Salisbury & Co., 105 S. Wabash av, Chicago, Ill.
CONGOITE roofing paints—United Roofing & Mfg. Co., Morris bldg, Phila., Pa.
CONGOLEUM floor covering—United Roofing & Mfg. Co., Morris bldg., Phila., Pa.
CONGOXIDE roofing cements—United Roofing & Mfg. Co., Morris bldg, Phila., Pa.
CONGRESS belting—Boston Woven Hose & Rubber Co., Cambridge, Mass.
CONGRESS playing cards—U. S. Playing Card Co., Park av, Norwood, Cincinnati, Ohio
CONGRESS water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
CONGS plaster boards—United Roofing & Mfg. Co., Morris bldg, Phila., Pa.
CONKLIN'S fountain pens—Conklin Pen Mfg. Co., Toledo, Ohio
CONLEY frogs—Conley Frog & Switch Co., Memphis, Tenn.
CONNEAUT shovels—Conneaut Shovel Co., Conneaut, Ohio
CONNEAUT wire bound boxes—Conneaut Can Co., Conneaut, Ohio
CONNECTICUT spark coils—Connecticut Telephone & Electric Co., Meriden, Conn.
CONNECTICUT white lime—Palmer Lime & Cement Co., 103 Park av, New York
CONNELLSVILLE coke—W. J. Rainey, 52 Vanderbilt av, New York
CONNELLSVILLE coke barrows—Connellsville Iron Works, Connellsville, Pa.
CONNELLY water tube boilers, open hearth, ladles, oil storage tanks—D. Connolly Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, O.
CONNERSVILLE vacuum cleaners—United Vacuum Appliance Co., Connersville, Ind.
CONOLLY loose leaf devices—Henry Conolly Co., Rochester, N. Y.
CONOVER automobile bumpers—Lovell-McConnell Mfg. Co., 194 Wright, Newark, N. J.
CONOY padlocks — Slaymaker Lock Co., Lancaster Pa.
CONQUEROR fire hose—Henry K. Barnes Co., 234 Devonshire, Boston, Mass.
CONQUEROR paint & varnish remover—W. P. Fuller & Co., 301 Mission, San Francisco, Cal.
CONQUEROR rubber hose—Voorhees Rubber Mfg. Co., 18 Bostwick, Jersey City, N. J.
CONRAD'S shingle stains & waterproofing materials—American Mfg. Co., Minneapolis, Minn.
CONRADSON chucking machines—Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
CONRADSON tool posts—Phoenix Mfg. Co., Eau Claire, Wis.
CONSAPICO safety pins—Consolidated Safety Pin Co., Bloomfield, N. J

CON-SER-TEX canvas roofing—Wm. L. Barrell Co., 8 Thomas, New York
CON-SER-VIT car roofing—Wm. L. Barrell Co., 8 Thomas, New York.
CONSERVO wood preservatives—Sam'l. Cabot (Inc.), 141 Milk, Boston, Mass.
CONSOL asbestos shingles—Consolidated Sheet Metal Wks., 661 Hubbard, Milwaukee, Wis.
CONSOL incandescent gas burners—Welsbach Co., 1009 Filbert, Phila., Pa.
CONSOLCO sheet packing—Consolidated Packing & Supply Co., 21 Barclay, New York
CONSOLIDATED safety valves—Consolidated Safety Valve Co., 119 W. 40th, New York
CONSORT brass oil cups—Wm. Powell Co., Cincinnati, Ohio
CONSUL belting—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
CONSULAR seal presses—Sigwalt Mfg. Co., 3658 Armitage, Chicago, Ill.
**CONTEST rubber hose—Voorhees Rubber Mfg. Co.,** 18 Bostwick av, Jersey City, N. J.
CONTINENTAL arc lamps—Helio Mfg. Co., 2530 N. Broad, Phila., Pa.
CONTINENTAL cement—Continental Portland Cement Co., Arcade bldg, St. Louis, Mo.
CONTINENTAL feed water purifiers—Frost Mfg. Co., Galesburg, Ill.
CONTINENTAL grain headers & seeder attachments—Massey-Harris Harvester Co., Batavia, N. Y.
CONTINENTAL lawn mowers—Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
CONTINENTAL packing—Colonial Supply Co., Pittsburgh, Pa.
CONTINENTAL packing—Continental Rubber Works, Erie, Pa.
CONTINENTAL paste, glue, writing inks & labeling machines—Continental Mfg. Co., 4611 Girard, Phila., Pa.
CONTINENTAL steam fire engines—Ahrens-Fox Fire Engine Co., Cincinnati, Ohio
CONTINENTAL window screens—Continental Co., Book bldg., Detroit, Mich.
CONTINENTAL BAKLITE specialties—Continental Fibre Co., Newark, Del.
CONTINENTAL-ERIE motorcycle grips—Continental Rubber Works, Erie, Pa.
CON-TRO-LA-TOR electric railway controller regulators—Lord Mfg. Co., 105 W 40th, New York
CONUS spring cover oil cups—American Galco Inc., Grand Central Palace, New York
CONVERSE rotary screens—Lansing Co., Lansing, Mich.
CONVERSO air drill hose—Hewitt Rubber Co., Buffalo, N. Y.
CONVERTIBLE roadster wagon—Auto-Wheel Coaster Co., N. Tonawanda, N. Y.
CONVOLT Tungsten lamps—Vacuum Glass Co., Lynn, Mass.
COOK electric protectors—Frank B. Cook Co., 326 W. Madison, Chicago, Ill.
COOK levels—S. R. Jackson, Watertown, N. Y.
COOK tube cleaners—James A. Griffiths, 1317 Buttonwood, Phila., Pa.
COOKEASY steel ranges—Hale & Kilburn Co., 18th & Lehigh av, Phila., Pa.
COOK-RITE aluminum hollow ware—Aluminum Ware Mfg. Co. Inc., Elmira, N. Y.
COOK'S auger bits—C. E. Jennings & Co., 71 Murray, New York
COOK'S auger bits—Jas. Swan Co., Seymour, Conn.
COOK'S car ventilators—Vacuum Air Car Ventilating Co., 111 S. Jefferson, Chicago, Ill.
COOK'S evaporating pans & syrup evaporators—Southern Plow Co., Columbus, Ga.
COOK'S linoleum & cork carpets—Cook's Linoleum Co., Trenton, N. J.
COOK'S maple sugar evaporators—C. S. Bell Co., Hillsboro, Ohio
COOK'S metallic packing—C. Lee Cook Mfg. Co., Louisville, Ky.
COOK'S steel cattle guards—Cook Standard Tool Co., Kalamazoo, Mich.
COOK'S tube well strainers—August D. Cook, Lawrenceburg, Ind.
COOK'S wing dividers—I. W. Tolman, Worcester, Mass.
COOK'S wing dividers—Wm. Johnson, Newark, N. J.
COOKSON feed water heaters & purifiers—Bates Machine Co., Joliet, Ill.
COOKSON steam separators & traps—D. T. Williams Valve Co., Cincinnati, O.
COOLEY cabinet creamers—Vermont Farm Machine Co., Bellows Falls, Vt.
COOLEY'S pump valves—Cooley Mfg. Co., 98 Park pl, New York



COON pipe joint cements—Hinds & Coon, 126 Pearl, Boston, Mass.
COOPER farm wagons—A. A. Cooper Wagon & Buggy Co., Dubuque, Ia.
COOPER hose menders—Cooper Hose Mender Co., Providence, R. I.
COOPER oven thermometers—Cooper Oven Thermometer Co., Pequabuck, Conn.
COOPER refrigeration system—Cooper-Madison Co., Calcium, New York
COOPER trace carriers—Frazer & Jones Co., Syracuse, N. Y.
COOPER trace carriers—North & Judd Mfg. Co., New Britain, Conn.
COOPER HEWITT mercury vapor lamps—Cooper Hewitt Electric Co., 8th & Grand, Hoboken, N. J.
COOPER-HEWITT rectifiers—Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
COOSA cement—Coosa Portland Cement Co., Phila., Pa.
COPELAND'S dividers—I. W. Tolman, Worcester, Mass.
COPEMAN electric stoves—Copeman Electric Stove Co., Flint, Mich.
COPES boiler feed water regulators—Northern Equipment Co., Erie, Pa.
COPE'S conduit threading machines, wiring rods, & cable racks—T. J. Cope, 1620 Chancellor, Phila., Pa.
COPES feed water regulators & pump governors—Northern Equipment Co., Erie, Pa.
COPPER patent metal wheels—Western Wheelbarrow Mfg. Co., South Fort Smith, Ark.
COPPER ALLOY babbitt metal—Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
COPPER BEST copper paint—C. A. Woolsey Paint & Color Co., 490 Grand, Jersey City, N. J.
COPPER QUEEN belting—Pioneer Rubber Mills, San Francisco, Cal.
COPPERWELD, copperclaid steel wire—Page Steel & Wire Co., 30 Church, New York
COPPUS damper regulators, steam turbines & turbo blowers—Coppus Engineering & Equip. Co., Worcester, Mass.
CORA glass shades—Consolidated Lamp & Glass Co., Coraopolis, Pa.
CORAL heating stoves—B. C. Bibb Stove Co., Baltimore, Md.
CORBIN-BROWN speedometers & tachometers—Corbin Screw Corp., New Britain, Conn.
CORBIN DUPLEX coaster brakes—Corbin Screw Corporation, New Britain, Conn.
CORCO fire pail tanks—Whitaker-Glessner Co. Corrugating Dept., Wheeling, W. Va.
CORDUROY bond paper—W. B. Oglesby Paper Co., Middletown, Ohio
CORE ore samplers—Denver Fire Clay Co., Denver, Colo.
COREOLEUM core compounds—James S. Bent, 117 First, South Boston, Mass.
COREY fire hydrants—Rensselaer Valve Co., Troy, N. Y.
CORINTHIAN standard tungsten lights for cities—Flour City Ornamental Iron Co., 27th & 27th av, Minneapolis, Minn.
CORK INSERT measuring lines & pulleys—Cork Insert Co., 164 Federal, Boston, Mass.
CORKER cultivators—Racine-Sattley Co., Springfield, Ill.
CORKOLINE cork carpet—Scott & West Co., 9 E. 40th, New York
CORLISS belting—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
CORLISS cutting & drilling compounds, & wire rope coating—Corliss Mfg. & Supply Co., 1906 Olive, St. Louis, Mo.
CORLISS engine stops—Consolidated Engine Stop Co., 133 W. 19th, New York
CORLISS steam engines—Lane & Bodley Co., Tenn. av & Paddock rd, Cincinnati, Ohio
CORMLEY & FILS embroidering machines—O. J. Ahlstrom, 711 Broadway, New York
CORN BELT corn & cob mills & feed grinding mills—Spartan Mfg. Co., Pontiac, Ill.
CORN BELT tractors—Corn Belt Tractor Co., 2701 University av S. E., Minneapolis, Minn.
CORN KING corn husker—R. F. Clark Mfg. Co., 169 N. Jefferson, Chicago, Ill.
CORN KING grain graders—Martin Co., Sac City, Ia.
CORN QUEEN corn huskers—R. F. Clark Mfg. Co., 169 N. Jefferson, Chicago, Ill.
CORN SAVER steel corn cribs—Martin Steel Products Co., Mansfield, Ohio
CORNELL asphalt roofing—Driscoll Bros. & Co., Ithaca, N. Y.
CORNELL cocks & bibbs—Federal-Huber Co., 234 N. Halsted, Chicago, Ill.

CORNELL cotton hose—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
CORNELL wood boards—Cornell Wood Products Co., 190 N. State, Chicago, Ill.
CORONA carbon paper & typewriter ribbons—Corona Supply Co., Rochester, N. Y.
CORONA enameled roasters—American Stamping & Enameling Co., Bellaire, Ohio
CORONA packing—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
CORONA plumbago—Smith Facing & Supply Co., 1857 Carter rd, Cleveland, Ohio
CORONA typewriters—Corona Typewriter Co., Groton, N. Y.
CORONA DRY arsenate of lead—Corona Chemical Co., 213 Lake, Milwaukee, Wis.
CORONET aluminum hollow ware—Geo. Borgfeldt & Co., 16th & Irving pl, New York
CORO NOLEUM disinfectant—West Disinfecting Co., 411 5th av, New York
CORPORAL garden house—Quaker City Rubber Co., 629 Market, Phila., Pa.
CORPORATION paints—National Roofing Co., Tonawanda, N. Y.
CORR-MESH fireproof partitions—Corrugated Bar Co., Mutual Life bldg, Buffalo, N. Y.
CORR-PLATE sanitary flooring—Corrugated Bar Co., Mutual Life bldg, Buffalo, N. Y.
CORSAIR engine lubricators—Wm. Powell Co., Cincinnati, Ohio
CORSAIR garden hose—Quaker City Rubber Co., 629 Market, Phila, Pa.
CORTLAND bow sockets & carriage joints—Brewer-Titchener Corp., Cortland, N. Y.
CORTLAND window screen wire cloth—Wickwire Bros., Cortland, N. Y.
CORTO hot water radiators—Am. Radiator Co., 816 Michigan av, Chicago, Ill.
CORVUS oil—Texas Company, 17 Battery pl, New York
CORYDON farm wagons—Keller Mfg. Co., Corydon, Ind.
COSMO time stamps—A. D. Joslin Mfg. Co., 223 W. Erie, Chicago, Ill.
COSMOLUBRIC lubricating oils & greases—E. F. Houghton & Co., 240 W. Somerset, Phila., Pa.
COSMOS egg & cream beaters—Novelty Mfg. Co., Waterbury, Conn.
COSMOS glass tile—Opalite Tile Co., Monaca, Pa.
COSPER brake handles—Lord Electric Co., 105 W. 40th, New York
COSTA druggists' rubber goods—Myers Mfg. Co., Fremont, Ohio
COSTMETER cards, index & guide—Costmeter Co., 1000 Washington, Boston, Mass.
COSTON line throwing guns—Coston Signal Co., 24 Water, New York
COTENAMEL enameled & magnet wire—Belden Mfg. Co., 2316 S. Western av, Chicago, Ill.
COTTA transmissions & gears for motor trucks & tractors—Cotta Transmission Co., Rockford, Ill.
COTTA-A-LAP burlap—Cotta-a-Lap Co., Somerville, N. J.
COTTAGE cinder shovels—Lalance & Grosjean Mfg. Co., 299 Broadway, New York
COTTAGE steam heaters—H. B. Smith Co., Westfield, Mass.
COTTAGE HOME hot air furnaces—Hood Furnace & Supply Co., Corning, N. Y.
COTTER'S engine valves—Handlan-Buck Mfg. Co., 14 W. 3rd, St. Louis, Mo.
COTTON fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
COTTONDUCT flexible conduits—Short Elec. Mfg. Co., Penn Yan, N. Y.
COTTONITE magnet wire—Acme Wire Co., New Haven, Conn.
COTTON KING cultivators—S. R. White's Sons, Norfolk, Va.
COTTON KING typewriter ribbons—Pen-Carbon Manifold Co., New Brunswick, N. J.
COTTON WOOD stoves—Pittston Stove Co., Pittston, Pa.
COULTER nut tapping machines—Automatic Machine Co., Bridgeport, Conn.
COUNTY seal presses—Sigwalt Mfg. Co., 3658 Armitage, Chicago, Ill.
COVERS goggles & eye protectors—H. S. Cover, South Bend, Ind.
COVERT fireplace dampers—H. W. Covert Co., 137 E. 46th, New York
COVERT'S jacks & harness snaps—Covert Mfg. Co., Troy, N. Y.
COVEY riding attachments—Walker Mfg. Co., Council Bluffs, Ia.
COVINGTON pig iron—Low Moor Iron Co., Low Moor, Va.



COWAN hose couplings—Elkhart Brass Mfg. Co., Elkhart, Ind.
COWBOY cement—Western States Portland Cement Co,
COW BOY tank heaters—Wills Mfg. Co., Mendota, Ill.
COW COMFORT cattle stanchions—Louden Machinery Co., Fairfield, Ia.
COWELL'S spring hinges—Barlow Foundry Co., 551 N. J. R. R. av, Newark, N. J.
COWEN air drill suction & rubber hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
COX oxy-acetylene welding apparatus—Cox Brass Mfg. Co., Albany, N. Y.
COXE anthracite mechanical stokers—Combustion Engineering Corp., 11 Broadway, New York
CO-Z barrel cleats—Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
COZY electric toasters—Phelps Mfg. Co., 49 W. Larned, Detroit, Mich.
CRACKER JACK belt dressing—Manufacturers' Belt Hook Co., 1321 W. Congress, Chicago, Ill.
CRACKER JACK nail hammers—Franklin Brass Foundry Co., Reading, Pa.
CRACKER JACK tank heaters—Hunt, Helm, Ferris & Co., Harvard, Ill.
CRACKER JACK wire straightening & cutting machines—Franklin Mfg. Co., New Haven, Conn.
CRACKERJACKS stoves—Birmingham Stove & Range Co., Birmingham, Ala.
CRACKPROOF rubber hose—Pioneer Rubber Mills, San Francisco, Cal.
CRADLE automobile trunk racks—Motor Car Supply Co., 1453 Michigan av, Chicago, Ill.
CRAFT adjustable wrenches—Craftsman Tool Co., Conneaut, Ohio
CRAFT black diamond carbons—Arthur A. Crafts & Co., 125 Summer, Boston, Mass.
CRAIG automatic swing basin faucets—David Craig, 70 Broad, Boston, Mass.
CRAIG gas engines—White Mfg. Co., 556 W. 34th, New York
CRAIG steam heaters—Burley Heater Co., Tyrone, Pa.
CRAIG steam heaters—Williamsport Radiator Co., Williamsport, Pa.
CRAIN universal wood working machines—Buffalo Forge Co., Buffalo, N. Y.
CRAM pile drivers, hammers—A. F. Bartlett & Co., Saginaw, Mich.
CRAMP bronze metal bearings—Wm. Cramp & Sons, Ship & Engine Bldg. Co., Beach & Ball, Phila, Pa.
CRANBERRY pig iron — Cranberry Furnace Co., Johnson City, Tenn.
CRANDALL foundry cupolas—Detroit Foundry Co., E. Grand blvd & Riopelle, Detroit, Mich.
CRANE automobile wheel pullers—Crane Puller Co., Arlington, Mass.
CRANE engine driven tire pumps—Bay State Pump Co., 100 Purchase, Boston, Mass.
CRANE manicure sets—Max Klaas, 108 Fulton, New York
CRANE pig iron—Empire Steel & Iron Co., Catasauqua, Pa.
CRANE pipe joint cements—Crane Co., 836 S. Michigan av., Chicago, Ill.
CRANE razors, shears & scissors—Max Klaas, 108 Fulton, New York
CRANE typewriter paper—Eaton, Crane & Pike Co., Pittsfield, Mass.
CRANE BASIC pig iron—Empire Steel & Iron Co., Catasauqua, Pa.
CRANE L. P. pige iron—Empire Steel & Iron Co., Catasauqua, Pa.
CRANE'S toasters—Wm. M. Crane Co., 16 W. 32nd, New York
CRANITE packing—Crane Co., 836 S. Michigan av, Chicago, Ill.
CRANK padlocks—Slaymaker Lock Co., Lancaster, Pa.
CRANSON grain cleaners—Huntley Mfg. Co., Silver Creek, N. Y
CRARY'S rain water cut-offs—Conductor Fitting Co., Marietta, Ohio
CRATER compounds—Texas Company, 17 Battery pl, New York
CRATER hot air furnaces—Sprague Foundry & Mfg. Co., Council Bluffs, Ia.
CRAVENETTE front brick—Standard Brick Co., Macon, Ga.
CRAVENETTE mackintoshes, rain coats—Stoughton Rubber Co., 130 Essex, Boston, Mass.
CRAWFORD combination pipe vises—Joseph H. Young Co., 82 High, Boston, Mass.
CRAWFORD curd extractors—Empire Laundry Machinery Co., 352 Western av, Boston, Mass.

CRAWFORD enameling ovens, fuel gas burners & steel trucks—Oven Equipment & Mfg. Co., 205 Orange, New Haven, Conn.
CRAWFORD gas governors & pressure regulators—Equitable Meter Co., 424 1st ave, Pittsburgh, Pa.
CRAWFORD gas ranges, hot air furnaces, steam & hot water heaters—Walker & Pratt Mfg. Co., 33 Union, Boston, Mass.
CRAWFORD lathe—Jos. Crawford, Jr., Co., Erie, Pa.
CRAY horse shoes—Cray Bros., 1111 W. 11th, Cleveland, Ohio
CRAYOGRAPH crayons—American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.
CRAYONAST crayons—American Crayon Co., 1300 Hayes av, Sandusky, O., & Waltham, Mass.
CREAGHEAD insulator pins, trolley line materials & trolley wire hangers—Creaghead Engineering Co., 340 Main, Cincinnati, Ohio
CREAM CITY ash & garbage cans, electric welding machines, oil cans, sink strainers—Geuder, Paeschke & Frey Co., 1700 St. Paul av, Milwaukee, Wis.
CREAMERY PACKAGE ammonia compressors & refrigerating machines—Creamery Package Mfg. Co., 61 W. Kinzie, Chicago, Ill.
CREASEY ice breaker—Harrison Safety Boiler Wks., 17th & Allegheny, Phila., Pa.
CREASY peanut threshers—Cardwell Mach. Co., 1900 E. Cary, Richmond, Va.
CRECO brake beams, brake jaws, brake slack adjusters, journal boxes, side bearings—Chicago Railway Equipment Co., 1928 W. 46th, Chicago, Ill
CREEPING GRIP gasoline traction engines—Bullock Tractor Co., Chicago, Ill.
CREMONE window spring bolts—Stanley Works, New Britain, Conn.
CREO-DIPT stained shingles—Creo Dipt Co., Inc., North Tonawanda, N. Y.
CREO-DIPT stained cedar shingles—Standard Stained Shingle Co., North Tonawanda, N. Y.
CREOFECTANT disinfectants—Standard Chemical Co., Houston, Tex.
CREOLA sheep dips—Van Tilberg Oil Co., 2424 University av S. E., Minneapolis, Minn.
CREOLE marble—Georgia Marble Co., Tate, Ga.
CREOLE packing—Pennsylvania Rubber Co., Jeannette, Pa.
CREOLEUM disinfectants—H. C. Dusenberry (Inc.), 95 Gold, New York
CREOLOL disinfectant—White Tar Co. of N. J., 56 Vesey, New York
CREO-RESINATE wood paving blocks—United States Wood Preserving Co., 165 Broadway, New York
CREOSANTHOL disinfectants—Brewer & Co., Worcester, Mass.
CREOSEPTINE wood preservatives—American Mfg. Co., Minneapolis, Minn.
CREPACO creamery testers—Creamery Package Co., 61 W. Kinzie, Chicago, Ill.
CRESCENDO electric bells—Manhattan Electrical Supply Co., 17 Park pl, New York
CRESCENT acetylene gas burners—Crescent Burner Mfg. Co., 116 E. 27th, New York
CRESCENT automatic float valves—Phelps Bros. Co., 101 Beekman, New York
CRESCENT babbitt metal—More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
CRESCENT ball cocks & galvanized iron range boilers—Cahill, Swift Mfg. Co., 1112 Market, St. Louis, Mo.
CRESCENT basin clamps—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
CRESCENT basin clamps—Trenton Brass & Machine Co., Trenton, N. J.
CRESCENT belt fasteners—Crescent Belt Fastener Co., 381 4th av, New York
CRESCENT belt knives—American Tool & Machine Co., 10 High, Boston, Mass.
CRESCENT belt lacing—Graton & Knight Mfg. Co., Worcester, Mass.
CRESCENT boat anchors & bilge pumps—Chas. D. Durkee & Co., 2 South, New York
CRESCENT brand bronze powder—A. Sartorius & Co., 57 Murray, New York
CRESCENT brazing solder—North American Smelting Co., 9th & Thompson, Phila., Pa.
CRESCENT can openers—Browne & Dowd Mfg. Co., Meriden, Conn.
CRESCENT cement—Crescent Portland Cement Co., Wampum, Pa.
CRESCENT chemical thermometers & oven thermometers—Schaeffer & Budenberg Mfg. Co., Berry & S. 5th, Brooklyn, N. Y.
CRESCENT closet seats—C. F. Church Mfg. Co., Holyoke, Mass.
CRESCENT coat & hat hooks—E. Jencks Mfg. Co., Worcester, Mass.



CRESCENT coffee mills—Crescent Mfg. Co., Louisville, Ky.
CRESCENT concrete mixers—Raber & Lang Mfg. Co., Kendallville, Ind.
CRESCENT concrete rollers & paving tools—Crescent Novelty Mfg. Co., 703 S. Broadway, St. Louis, Mo.
CRESCENT cork board & cork tile insulation—United Cork Cos., 50 Church, New York
CRESCENT corn planting drills—Racine-Sattley Co., Springfield, Ill.
CRESCENT dish washing machines—Bromley Merseles Mfg. Co., 1328 B'way, New York
CRESCENT door hangers—Richey, Browne & Donald, Flushing av, Maspeth, N. Y.
CRESCENT electric bells—Manhattan Electrical Supply Co., 17 Park pl, New York
CRESCENT emery wheel dressers—Curtin-Hebert Co., Gloversville, N. Y.
CRESCENT expansion bolts—Es.. of F. H. Evens, 31 Hewes, Brooklyn, N. Y.
CRESCENT farm wagons—Mandt Wagon Co., Stoughton, Wis.
CRESCENT feed carriers—Jos. Dick Mfg. Co., Canton, Ohio
CRESCENT fountain sprinkler—L. R. Nelson, Peoria, Ill.
CRESCENT ground cross-cut saws—Simonds Mfg. Co., Fitchburg, Mass.
CRESCENT hoes—American Fork & Hoe Co., Swetland bldg, Cleveland, Ohio
CRESCENT hose reels—Cardington Cabinet Co., Cardington, Ohio
CRESCENT incandescent lamp coloring—McGill Mfg. Co., Valparaiso, Ind.
CRESCENT incubators & brooders—Des Moines Incubator Co., Des Moines, Ia.
CRESCENT lamp glass chimneys—Macbeth-Evans Glass Co., Pittsburgh, Pa.
CRESCENT portable lamp guards—McGill Mfg. Co., Valparaiso, Ind.
CRESCENT lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
CRESCENT lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
CRESCENT lubricators & valves—Wm. Powell Co., Cincinnati, Ohio.
CRESCENT lug straps—E. H. Jacob Mfg. Co., Danielson, Conn.
CRESCENT metal lath, open hearth steel sheets & oil cans—Whitaker-Glessner Co., Wheeling, W. Va.
CRESCENT metal polish—Colgan Mfg. & Supply Co., 118 Maiden la, New York
CRESCENT metals—North American Smelting Co., 9th & Thompson, Phila., Pa.
CRESCENT molds for drain tile—Raber & Lang Mfg. Co., Kendallville, Ind.
CRESCENT packing—Greene, Tweed & Co., 109 Duane, New York
CRESCENT patternmakers' fillet—Wellman Products Co., 1444 E. 49th, Cleveland, Ohio
CRESCENT phosphor bronze, phosphor copper & phosphor tin—Crescent Phosphorized Metal Co., 2314 Wood, Phila., Pa.
CRESCENT polishing machines & tool grinders—J. C. Born & Bro., Belleville, Ill.
CRESCENT propeller wheels—Duluth Gas Engine Works, Duluth, Minn.
CRESCENT sad irons—Loetscher-Ryan Mfg. Co., Dubuque, Ia.
CRESCENT safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
CRESCENT saw sharpeners—Riverside Machine Works, Kokomo, Ind.
CRESCENT shade cloth—Columbia Mills, Inc., 225 5th av, New York
CRESCENT sheet packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
CRESCENT soldering paste—McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
CRESCENT steam meters, steam traps & expansion joints—W. H. Pearce & Co., 333 S. Dearborn, Chicago, Ill.
CRESCENT stove pipe & elbows—Jackes-Evans Mfg. Co., Main & Tyler, St. Louis, Mo.
CRESCENT ventilators — Friedley-Voshardt Co. (Inc.), 733 S. Halsted, Chicago, Ill.
CRESCENT wall guards—McGill Mfg. Co., 26 Oak, Valparaiso, Ind.
CRESCENT welding compounds—Anti-Borax Compound Co., Fort Wayne, Ind.
CRESCENT wire rope cables & accessories—Geo. C. Moon Co., Garwood, N. J.
CRESCENT wrenches, pliers & nippers — Crescent Tool Co., 200 Harrison, Jamestown, N. Y.

CRESCENT BANGOR roofing slate—Superior Slate Co., Inc., Allentown, Pa.
CRESCENT COLONEL golf balls—St. Mungo Mfg. Co., 121 Sylvan, Newark, N. J.
CRESCENT RING lawn sprinklers—L. R. Nelson, Peoria, Ill.
CRESCENT X X buffing compositions—S. A. Day Mfg. Co., 1485 Niagara, Buffalo, N. Y.
CRESONOL disinfectants—Brewer & Co., Worcester, Mass.
CREST disinfectants — Crest Chemical Co., Seattle, Wash.
CREST Light crayons—Standard Crayon Mfg. Co., Danvers, Mass.
CRESTLAWN lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
CRESTLINE pumps, flanges, barrel spray pumps, hydraulic rams—Crestline Mfg. Co., Crestline, Ohio
CRESY-POLE sheep dips—Peerless Stock Powder Co., Falls City, Nebr.
CREX grass matting—Crex Carpet Co., 1134 Broadway, New York
CRICKET scroll saws—Millers Falls Co., 28 Warren, New York
CRIMSON sulphuret of antimony—Harshaw, Fuller & Goodwin Co., Electric bldg, Cleveland, Ohio
CRIPPS steam heaters—W. A. Birdsall & Co., 44 Mechanic, Newark, N. J.
CRISS-CROSS tube cleaners & gun cleaner tools—Worcester Brush & Scraper Co., Worcester, Mass.
CRITCHLEY IMPROVED SUPER-SIX expansion reamers—Cutter & Wood Supply Co., 68 Pearl, Boston, Mass.
CRITCHLEY'S card clothing—Leigh & Butler, 232 Summer, Boston, Mass.
CRITCHLEY'S expansion reamers—Chadwick & Trefethen, Portsmouth, N. H.
CRITERION belting—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
CRITERION rubber bottles—Tyer Rubber Co., Andover, Mass.
CRITICS farriers' hammers—Champion Tool Co., Meadville, Pa.
CRIT POINT point testers—Gibb Instrument Co., Highland bldg, Pittsburgh, Pa.
CROCODILE pipe wrenches—Bonney Vise & Tool Works, Allentown, Pa.
CROFTSTEIN metal polish—H. W. Mills & Co., Paterson, N. J.
CROKINOLE game boards—Carrum Co., Ludington, Mich.
CRONE fuel gas burners—Crone F. G., 281 W. Ferry, Buffalo, N. Y.
CRONE valve resisting tools—Rub-On-Mfg. Co., 216 Niagara, Buffalo, N. Y.
CRONK'S shears, pliers, cultivator hoes, garden rakes—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
CROOKER-WHEELER electric motors—Calin-Forster Elec. Co., 209 15th, Denver, Colo.
CROPP concrete mixers—Cropp & Co., 233 W Kinzie, Chicago, Ill.
CROSBY calorimeters, clocks, cocks, gauges, engine indicators, test pumps, valves, whistles, etc.—Crosby Steam Gage & Valve Co., 40 Central, Boston, Mass.
CROSBY guy clamps & wire rope clips—American Hoist & Derrick Co., St. Paul, Minn.
CROSBY wire rope clips—Crittenden Co., Inc., Middletown, Conn.
CROSBY wire rope clips—Wickwire Spencer Steel Corp., Worcester, Mass.
CROSS elevator doors—Variety Mfg. Co., 2958 Carroll av, Chicago, Ill.
CROSS insulated staples—Jas. Goldmark Co., 81 Warren, New York
CROSS oil filters—Burt Mfg. Co., 40 Main, Akron Ohio
CROSS CUT toilet paper holders—A. P. W. Paper Co., Albany, N. Y.
CROTHER'S plow coulters—Sparta Plow Works Sparta, Ill.
CROTON water filters—Jones Mfg. Co., 243 Franklin, Boston, Mass.
CROWE shoe nailing machines—Specialty Shoe Mach'y Co., St. Joseph, Mo.
CROWELL blowers, air compressors, vacuum pumps—Crowell Mfg. Co., 296-298 Taaffe pl, Brooklyn, N. Y.
CROWELL insulating tape—Carter, Rice & Co., 246 Devonshire, Boston, Mass
CROWN asbestos cements & roofing paints—W. H. Colebrook's Sons, Syracuse, N. Y.
CROWN belt lacing—Henry K. Barnes Co., 234 Devonshire av, Boston, Mass.
CROWN belting & belt dressing—Page Belting Co., Concord, N. H.
CROWN boat oars—Aymer De Grauw & Co., 34 South, New York
CROWN brass rivets & tire air pumps—Bridgeport Brass Co., Bridgeport, Conn.
CROWN cake turners, stove lid lifters, potato mashers—Hamblin & Russell Mfg. Co., Worcester, Mass.
CROWN carbon paper & typewriter ribbons—Crown Ribbon & Carbon Mfg. Co., Rochester, N. Y.
CROWN chair seats—Blair Veneer Co., North Troy, Vt.
CROWN Christmas tree holders, ice chippers, ice cream freezers, fluting machines—North Bros. Mfg. Co., Lehigh av & American, Phila, Pa.
CROWN coffee mills, faucet filters, lawn sprinklers, lemon squeezers, raisin seeders—Landers, Frary & Clark, New Britain, Conn.
CROWN concrete barrows—American Steel Scraper Co., Sidney, Ohio
CROWN emery wheel dressers, tool grinders, saw gummers, & saw sharpeners—Clizbe Bros. Mfg. Co., Plymouth, Ind.
CROWN English glue—American Glue Co., 121 Beverly, Boston, Mass.
CROWN force pumps—Blymyer Iron Works Co., Cincinnati, Ohio
CROWN hammock—Weston & Wells Mfg. Co., 10th & Diamond, Phila., Pa.
CROWN hand vacuum cleaners—Gray Iron Foundry Co., Reading, Pa.
CROWN harness snaps—Covert Saddlery Works, Interlaken, N. Y.
CROWN harness tools, shoemakers' tools, tanners' tongs, tanners' tools—Wm. H. Horn & Bros., 451 N. 3rd, Phila., Pa.
CROWN horse nails—Fowler Nail Co., Seymour, Conn.
CROWN hot air furnaces — March-Brownback Stove Co., Pottstown, Pa.
CROWN log loading hooks—Clyde Iron Works Sales Co., Duluth, Minn.
CROWN metals—North American Smelting Co., 9th & Thompson, Phila., Pa.
CROWN motor cycles—Great Western Mfg. Co., La Porte, Ind.
CROWN nail pullers—Snow & Petrelli Mfg. Co., New Haven, Conn.
CROWN oil cups, lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
CROWN packing—Strong Machinery & Supply Co., 21 Walker, New York
CROWN belting, packing & hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
CROWN paint & varnish remover—Bradley & Vrooman Co., 2632 S. Dearborn, Chicago, Ill.
CROWN paper fillers—Solvay Process Co., Syracuse, N. Y.
CROWN pipe cutter wheels, pipe cutters, pipe vises, solid dies & stocks & dies—Crown Die & Tool Co., 5553 W. Monroe, Chicago, Ill.
CROWN pneumatic hammers & sand rammers—Ingersoll-Rand Co., 11 Broadway, New York
CROWN pneumatic tires—Great Eastern Rubber Co., Allentown, Pa.
CROWN pump rods—Bridgeport Brass Co., Bridgeport, Conn.
CROWN push buttons, telephones & apparatus—Bridgeport Elect. Products Co., Bridgeport, Conn.
CROWN rail bonds—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
CROWN recording pressure gauges—Jones Gauge Co., 5 Broad, Boston, Mass.
CROWN sanitary flooring—Robt. A. Keasbey Co., 100 N. Moore, New York
CROWN shoe blacking & polishes—Frank Miller Co., 349 W. 26th, New York
CROWN soap powder—Hunnewell Soap Co., 312 Genesee, Cincinnati, Ohio
CROWN stoves—King Stove & Range Co., Sheffield, Ala.
CROWN switch stands—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
CROWN TOP corn poppers—Gier Pressed Steel Co., Lansing, Mich.
CROWN upholsterers' tacks—G. G. Roberts, Whitman, Mass.
CROWN ventilators—Crown Ventilator Co., Milwaukee, Wis.
CROWN water closets—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
CROWN well buckets—Richmond Cedar Works, Fulton, Richmond, Va.
CROWN woven wire fences—Interlocking Fence Co., Morton, Ill.
CROWN JEWEL cotton batting—Rock River Cotton Co., Janesville, Wis.

CROZER pig iron—Va. Iron, Coal & Coke Co., Roanoke, Va.
CRUMBIE pipe tongs—Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
CRUMBLE tong bits—Chas. N. Hough Mfg. Co., Franklin, Pa.
CRUM'S poultry fountains—Franklin Galvanized Ware Mfg. Co., Franklin, Ind.
CRUOLEUM disinfectants—Hockwald Chemical Co., 531 Howard, San Francsico, Cal.
CRUSADER fly traps—Burgess-Norton Mfg. Co., Geneva, Ill.
CRUSO hdwe. galvanized ware, enameled ware, etc.—Hibbard, Spencer, Bartlett & Co., 303 N. State, Chicago, Ill.
CRUSOE chemical engine hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
CRYER vacuum heating—Cryer Return Line System Co., 18 E. 41st, New York
CRYSOLITE paints for coating—Semet-Solvay Co., Syracuse, N. Y.
CRYSTAL carbon paper & typewriter ribbons—J. A. Heale & Co., 96 John, New York
CRYSTAL coffee mills—Arcade Mfg. Co., Freeport, Ill.
CRYSTAL ice cream freezers—Cardington Cabinet Co., Cardington, Ohio
CRYSTAL insulating varnishes—Chicago Mica Co., Valparaiso, Ind.
CRYSTAL METAL farm bells—Bell C. S. Co., Hillsboro, Ohio
CRYSTAL ROCK wood fibre plaster—American Cement Plaster Co., Lawrence, Kan.
CRYSTAL STREAM sanitary drinking fountains—J. L. Mott Iron Works, Trenton, N. J.
CRYSTALITE illuminating oil—Texas Company, 17 Battery pl, New York
CRYSTALLIZED oil—Arthur B. Edmands Co., Pawtucket, R. I.
CRYSTOX abrasive discs—Chas. H. Besly & Co., 120 N. Clinton, Chicago, Ill.
CUB gasoline traction engines—Wallis Tractor Co., Racine, Wis.
CUB road scrapers—drag—Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
CUBANEL asphalt & asphalt fillers—International Asphalt Co., 133 W. Washington, Chicago, Ill.
CUCKOO church bells—Mossberg, Frank Co., Attleboro, Mass.
CULTI-PACKER clod crushers & soil pulverizers—Dunham Co., Berea, O.
CULVER hot air furnaces—M. A. Green & Co., Bridgeport, Conn.
CUMMING hay presses—Southern Plow Co., Columbus, Ga.
CUMMINGS concrete reinforcing materials—Electric Welding Co., Benedum Trees bldg, Pittsburgh, Pa.
CUMMINGS engine logs—Cummings Ship Instrument Works, 110 High, Boston, Mass.
CUMMING'S feed cutters—Ann Arbor Machine Co., Ann Arbor, Mich.
CUMMINGS handcuffs and twisters—Geo. D. Barnard & Co., 311 Olive, St. Louis, Mo.
CUNNINGHAM coating paints—Maryland Steel Co., Morris bldg, Phila., Pa.
CUNNINGHAM saw vises & rift flooring machines—Filer & Stowell Co., Milwaukee, Wis.
CUPID sight feed lubricators—Lukenheimer Co., Beekman & Waverly, Cincinnati, Ohio
CUPPLES steam shovel teeth—Cupples Adjustable Tooth Co., Tyrone, Pa.
CURBO safety razors—Unsinger Razor Blade Co., Fremont, Ohio
CURFEW padlocks—Slaymaker Lock Co., Lancaster, Pa.
CURI-CURL embossed blotting paper—Standard Paper Mfg. Co., Hull & Canal, Richmond, Va.
CURRY automobile belts, polishing belts, fabric harness—J. W. Curry Co., 2615 Cummins, Cincinnati, Ohio
CURRY bay tyers—J. P. Curry Mfg. Co., 280 Madison av, New York
CURTAIN ball cocks—Appleton Brass Co., 3 Appleton, Boston, Mass.
CURTIS damper regulators, steam & water pressure regulators, steam separators, steam traps, thermostats—Julian l'Este Co., 26 Canal, Boston, Mass.
CURTIS horse collar pads—Curtis-Dexter Co., Madison, Wis.
CURTIS invalid chairs—Ford Johnson Chair Co., 801 S. Wabash av, Chicago, Ill.
CURTIS locomotive sanders—United States Metallic Packing Co., 221 N. 13th, Phila., Pa.
CURTIS pneumatic cranes, air compressors, hoists & trolley—Curtis & Co. Mfg. Co., 1571 Kienlen av, St. Louis, Mo.
CURTIS rotary pumps & presses—Pittsburgh Machine Tool Co., Corey, Pittsburgh, Pa.
CURTIS steam turbines—Fore River Shipbuilding Corp., Quincy, Mass.
CURTIS steam turbines—General Electric Co., Schenectady, N. Y.
CURTIS EGGSACTLY automatic egg boiler—Curtis Espy & Co., 158 N. Ashland blvd, Chicago, Ill.
CUSHING stage & receptacle plugs—Condit Electrical Mfg. Co., 1st & L, Boston, Mass.
CUSHMAN electric motors, countershafts, transformers, variable speed motors—Cushman Electric Co., Concord, N. H.
CUSTER hand power punch & shear combined—W. F. Custer & Sons, Summitville, Ind.
CUSTER ratchet wrenches—Custer Coupling Co., Bradford, Pa.
CUT EASY corn hooks—American Fork & Hoe Co., Swetland bldg, Cleveland, Ohio
CUTE stoves—Pittston Stove Co., Pittston, Pa.
CUTLER lavatories & fittings—James Barrett Mfg. Co., 117 Pearl, Boston, Mass.
CUTLER'S steel stamps—Gowanda Agricultural Works, Gowanda, N. Y.
CUT-ME-OFF plumbrs' rubber elbows—Glauber Brass Mfg. Co., 49th & Superior av, Cleveland, Ohio
CUTTER'S insulated suspension bolts, lamp supporting pulleys, insulators, mast arms, reflectors, steel boxes, panelboards, switchboards—Geo. Cutter Co., Notre Dame & Division, South Bend, Ind.
CUTTYHUNK fish line—Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
CYAMEEZE adhesive cement—Williams Mfg. Co., Camden, N. J.
CYCLE belting—B. F. Goodrich Co., Akron, O.
CYCLE flour sieves—Wickwire Spencer Steel Corp., Worcester, Mass.
CYCLE grindstones—Richards-Wilcox Mfg. Co., Aurora, Ill
CYCLO paint & whitewash spraying machines—Muralo Company, Rich. Ter. New Brighton, Borough of Richmond, N. Y.
CYCLONE blow-off valves—Wm. Powell Co., Cincinnati, Ohio
CYCLONE boiler flue & tube cleaners—Elliott Co., Frick bldg, Pittsburgh, Pa.
CYCLONE boiler flue & tube cleaners—Liberty Mfg. Co., Pittsburgh, Pa.
CYCLONE bottle stoppers—Bernardin Bottle Cap Co., Evansville, Ind.
CYCLONE chain hoists — Chisholm-Moore Mfg. Co., 5046 Lakeside, Cleeland, Ohio
CYCLONE clod crushers—Ohio Cultivator Co., Bellevue, Ohio
CYCLONE cloth dryers & yarn dryers—Phila. Textile Mach. Co., Hancock & Somerset, Phila., Pa.
CYCLONE corn hooks—Wallingford Mfg. Co., Wallingford, Vt.
CYCLONE corn & cob mills—Appleton Mfg. Co., Batavia, Ill.
CYCLONE door hangers—Lawrence Bros., Sterling, Ill.
CYCLONE egg & cream beaters—W. G. Browne Mfg. Co., Kingston, N. Y.
CYCLONE electric disc fans—American Blower Co., 1412 Russell, Detroit, Mich.
CYCLONE exhaust heads—Wright-Austin Co., 97 Woodbridge, W. Detroit, Mich.
CYCLONE insect guns—Thos. W. Houchin Co., 36 E. 12th, New York
CYCLONE lubricating oils & greases—Tropical Paint & Oil Co., W. 70th, Cleveland, Ohio
CYCLONE lubricators—Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
CYCLONE mechanical dust collectors—Cyclone Blow Pipe Co., 2552 W. 21st, Chicago, Ill.
CYCLONE mechanical dust collectors—Dixie Mfg. Co., Russel & B. & O. R. R., Baltimore, Md.
CYCLONE mechanical dust collectors—Knickerbocker Co., Jackson, Mich.
CYCLONE seeders & sowers—Cyclone Seeder Co., Urbana, Ind.
CYCLONE seeders & sowers—Peoria Drill & Seeder Co., Peoria, Ill.
CYCLONE shaking grates—Cyclone Grate Bar Co., 9 Grimes, Buffalo, N. Y.
CYCLONE silo fillers—Ironwood Mfg. Co., Bellefontaine, Ohio
CYCLONE silos—Nat'l Tank & Pipe Co., 275 Oak, Portland, Ore.
CYCLONE smut traders—Fosston-Carpenter Co., St. Paul, Minn.
CYCLONE spray pumps & tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
CYCLONE spring shellers—Marseilles Wks. of Deere & Co., E. Moline, Ill.

CYCLONE stalk cutters—B. F. Avery & Sons, Louisville, Ky.
CYCLONE steam flue cleaners—Crescent Brass Mfg. Co., 8410 Lake av, Cleveland, Ohio
CYCLONE steam flue cleaners—Liberty Mfg. Co., Pittsburgh, Pa.
CYCLONE tile ditching machines—Jeschke Edw. Co., Bellevue, Ohio
CYCLONE tool emery grinders—Duisdieker Foundry & Mfg. Co., Pekin, Ill.
CYCLONE tool emery grinders—Richards-Wilcox Mfg. Co., Aurora, Ill.
CYCLONE vacuum cleaners—Cyclone Brush Co., Bradford, Pa.
CYCLONE water closet ventilators—Sanitary Appliance Co., Neenah, Wis.
CYCLONE water well drills, oil & gas well drills, mineral prospecting machinery, big blast hole drills, well drilling & fishing tools, well drilling machinery—Cyclone Drill Co., Orrville, Ohio
CYCLONE woven wire fences, wire stretchers, fence ratchets & farm gates—Cyclone Fence Co., Waukegan, Ill.
CYCLONE JR. contractors' plows—Jeschke Edw. Co., Bellevue, Ohio
CYGNET automobile horns & phonograph horns—Standard Metal Mfg. Co., 237 Chestnut, Newark, N. J.
CYGNUS cylinder oil—Texas Company, 17 Battery pl, New York
CYKO photographic paper—Ansco Co., Binghamton, N. Y.
CYNIO gas & gasoline hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
CYPRUS babbitt metal—Brady Brass Co., 170 14th, Jersey City, N. J.
CZAR drill chucks—Union Mfg. Co., New Britain, Conn.
CZAR spark plugs—Czar Ignition Co., 531 Ellicott, Buffalo, N Y
D. cotton twine—Estes Mills, Fall River, Mass.
D. B. ash dumps, brick carriers, clamps, chimney cowls, coal chutes, fireplace dampers, etc., joist anchor & timber caps, kitchen sinks, & sewer pipe strainers—Donley Bros. Co., 3625 E. 74th, Cleveland, O.
D. B. G. crane chains—Bradlee & Co., 726 Richmond, Phila., Pa.
D. B. M. pipe locators—Modern Iron Works, Quincy, Ill.
D. C. bath fittings—D. C. Mfg. Co., Canton, Ohio
D-C flushing valves—Dececo Co., 157 High, Boston, Mass.
D. C. & A. C. electric motors—H. C. Dodge, Inc., 48 Alger, Boston, Mass.
D. H. GRAY EGYPTIAN fibre—Delaware Hard Fibre Co., Wilmington, Del., Works, Marshallton, Del.
D. H. R. brick paints—Denny Hilborn & Rosenbach, 230 N. 12th, Phila., Pa.
D. R. BARTON picks, mattocks, grub hoe tools, etc.—Mack & Co., Rochester, N. Y.
D. R. P. brick paints—M. Feigel & Bro., 185 Wooster, New York
D. S. lock-nuts & washers—Dieter Nut Co., 374 Madison av, New York
D. V. seamless candy & paper pails—Dunning-Varney Corp, 99 Warren, New York
D. V. wagon skeins—American Skein & Foundry Co., Racine, Wis.
D. V. & Co. wagon skeins—Illinois Iron & Bolt Co., Carpentersville, Ill.
D-X bridle rings & insulated hooks—Diamond Expansion Bolt Co., 89 West, New York
D. & A. concrete molds—D. & A. Pott Mould Co., Three Rivers, Mich.
D. & B. miners' squibs—Hercules Powder Co., Wilmington, Del.
D. & B. wringers—Dobbins Mfg. Co., 127 1st, Minneapolis, Minn.
D. & L. stuffing boxes—Union Machine Co., 183 University av, St. Paul, Minn.
D. & T. hot water heating systems—D. & T. Mfg. Co., 1911 Pine, St. Louis, Mo.
D. & W. enclosed fuses—D. & W. Fuse Co., Hathaway, Providence, R. I.
DACK hot water heaters, pipe hangers—Hayes Pump & Planter Co., Galva, Ill.
DACRO milk bottle caps—Crown Cork & Seal Co., 1511 Guilford av, Baltimore, Md.
DAD pipe hangers—D. A. Donovan, Auburn, N. Y.
DADDOW & BEADLES miners' squibs—Miners' Supply Co., St. Clair, Schuylkill Co., Pa.
DAGGETT'S cast iron culverts—Jos. F. Rothe Foundry Co., Green Bay, Wis.
DAHL-MO-STAT heat regulators—Dahl Mfg. Co., Minneapolis, Minn.
DAHLSTROM fire proof doors, steel trim, steel partitions—Dahlstrom Metallic Door Co., 43 Buffalo, Jamestown, N. Y.
DAIDY feed cutters—J. W. Conner & Son, Orangeville, Pa.
DAILY sickel grinders—Clizbe Bros. Mfg. Co., Plymouth, Ind.
DAINS hay loaders & lawn swings—Dain Mfg. Co., Ottumwa, Ia.
DAINTY cap remover handle—Stephens, Windsor & Co., Waltham, Mass.
DAINTY shirtwaist irons—Gray Iron Foundry Co., Reading, Pa.
DAIRY QUEEN cream separators—Dairy Cream Separator Co., Lebanon, Ind.
DAIRY QUEEN milk can brushes—Standard Brush Co. New Hartford, Conn.
DAISY air rifles—Daisy Mfg. Co., Plymouth, Mich.
DAISY bag holders, barn door latches, steak pounders—Wagner Mfg. Co., Cedar Falls, Ia.
DAISY bath heaters—Jno. Wood Mfg. Co., Conshohocken, Pa.
DAISY bottle corking machines—U. S. Bottlers' Machy. Co., 2511 Park, Chicago, Ill.
DAISY bottle stoppers, force cups, rubber plugs—Schacht Rubber Mfg. Co., Huntington, Ind.
DAISY children's vehicles—Gibbs Mfg. Co., Canton, Ohio
DAISY clipper hay & corn cutter knives—Wallingford Mfg. Co., Wallingford, Vt.
DAISY cork pullers—Arcade Mfg. Co., Freeport, Ill.
DAISY corn planters & harrows—Hench & Dromgold Co., York, Pa.
DAISY cultivators—S. R. White's Sons, Norfolk, Va.
DAISY disc sharpeners—Schofield & Co., Freeport, Ill.
DAISY flour blending machinery—Barnard & Leas Mfg. Co., Moline, Ill.
DAISY fruit & vegetable parers—Hudson Parer Co., Leominster, Mass.
DAISY hand & power green bone cutters—Wilson Bros., Easton, Pa.
DAISY hoes—Jno. C. Smith Hoe & Tool Co., Evansville, Ind.
DAISY hose nozzles—Boston Woven Hose & Rubber Co., Cambridge, Mass.
DAISY lawn mowers—Clarinda Lawn Mower Co., Clarinda, Ia.
DAISY lawn mowers—Supplee-Biddle Hardware Co., 510 Commerce bldg, Phila., Pa.
DAISY loom pickers—E. H. Jacobs Mfg. Co., Danielson, Conn.
DAISY mop sticks—A. Boyle Broom Co., Galesburg, Ill.
DAISY paper dishes & wood dishes—Star Paper Dish Co., Richmond, Va.
DAISY push button floor treads—Ansonia Electrical Co., Ansonia, Conn.
DAISY scythe snaths—Seymour Mfg. Co., Seymour, Ind.
DAISY stalk cutters—Gale Mfg. Co., Albion, Mich.
DAISY stock fountains—Quinn Wire & Iron Works, Boone, Ia.
DAISY storm sash hangers—G. A. Butter, 603 Mitchell, Milwaukee, Wis.
DAISY thermometers—Wilder-Pike Thermometers Co., Troy, N. Y.
DAISY trucks—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
DAISY wagon jacks—Covert Saddlery Works, Interlaken, N. Y.
DAISY waste paper baskets—Massillon Wire Basket Co., Massillon, O.
DAISY wood sawing machines—Heebner & Sons, Lansdale, Pa.
DAISY JR. potato diggers—Brown Manly Plow Co., Malta, Ohio.
DAKE air motors—Dake Engine Co., Grand Haven, Mich.
DAKE force feed lubricators—Richmond Pressed Metal Works, Inc., Stockton & 6th, Richmond, Va.
DAKOTA fanning mills—J. L. Owens Co., Fulton & S. E. Huron, Minneapolis, Minn.
DAKOTA oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio.
DAKOTA portable grain elevators—Warner Elevator Mfg. Co., Warner, Ill.
DAKOTA roofing brushes—New Jersey Brush Co., Bloomfield, N. J.
DAKOTA traction engines—G. W. Elliott & Co., De Smet, S. Dak.
DALE ball cocks—Wolverine Brass Works, Grand Rapids, Mich.
DALE catch basin traps—Standard Brass & Iron Works, 1820 St. Paul av, Milwaukee, Wis.
DALE paper fasteners—Edw. B. Stimpson Co., 68 Franklin av, Brooklyn, N. Y.

DALITE circuit breakers—Cutter Electrical & Mfg. Co., 19th & Hamilton, Phila., Pa.
DALLETT pneumatic tools—Thos. H. Dallett Co., 1301 Federal, Phila., Pa.
DALTON adding machines—Dalton Adding Machine Co., Norwood, Cincinnati, Ohio.
DALTON engine lathes—Dalton Mfg. Corp., 1915 Park av, New York
DALTON SIX thread cutting machine—Dalton Mfg. Corp., 1915 Park av, New York
DAMASCENE razors—C. Klauberg & Bros., Woolworth bldg, New York
DAMASCUS axes—C. A. C. Axe Co., Holbrook, Mass.
DAMASCUS babbitt metal bronze bearings, phosphor copper & ingot metals—Damascus Bronze Co., Pittsburgh, Pa.
DAMASCUS brake beams—Damascus Brake Beam Co., London rd & Nickel Plate, Cleveland, Ohio
DAMASCUS hack saw blades—Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
DAMASCUS rubber hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
DAMASCUS safety pins—Oakville Co., Waterbury, Conn.
DAMASCUS scythes—Dunn Edge Tool Co., Oakland, Me.
DAMASCUS soluble oils—Damascus Mfg. Co., Cassius av, Cleveland, O.
DAMASK window shades—Talbert-Whitmore Co., Los Angeles, Cal.
DAMASKO shade cloth—Columbia Mills, Inc., 225 5th av, New York
DAMBABBIT asbestos cements—Armstrong Co., South & Post av, Detroit, Mich.
D'AMOUR drill presses—E. D'Amour, 78 Cortlandt, New York
DAMP-DAM waterproofing materials—Am. Wood Preserving Co., 1351 N. Branch, Chicago, Ill.
DANCK filter screens—Standard Wire Co., New Castle, Pa.
DAN-DEE fireproof waste paper backets—Erie Art Metal Co., Erie, Pa.
DANDY annunciators—Electric Goods Mfg. Co., Canton, Mass.
DANDY belting—Boston Woven Hose & Rubber Co., Cambridge, Mass.
DANDY bone mills—Stratton Mfg. Co., Erie, Pa.
DANDY can openers—Bradley & Farnham, Middlefield, Conn.
DANDY can openers—Ellis Mfg. Co., Milldale, Conn.
DANDY chimney tops—Quinn Wire & Iron Works, Boone, Ia.
DANDY cleanouts—Advance Mfg. Co., Erie, Pa.
DANDY cleanouts—Bignall Co., Medina, N. Y.
DANDY cultivators—Moline Plow Co., Moline, Ill.
DANDY electric bells—Electric Goods Mfg. Co., Canton, Mass.
DANDY feed cutters—W. Eddy Plow Co., Greenwich, N. Y.
DANDY fruit & vegetable parers—Goodell Co., Antrim, N. H.
DANDY gas engines, pumping jacks & windmills—Challenge Co., Batavia, Ill.
DANDY hame fasteners—Covert Saddlery Works, Interlaken, N. Y.
DANDY horse brushes—Hendee C. C. Co., 501 B'way, Milwaukee, Wis.
DANDY leather aprons—California Tanning Co., 1905 Shanandoah av, St. Louis, Mo.
DANDY oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
DANDY shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
DANDY trucks—Turnbull Motor Trucks & Wagon Co., Defiance, Ohio
DANDY wire stretchers—Milwaukee Hay, Tool Co., Milwaukee, Wis.
DANFORTH belting—J. H. Billington, 113 Chestnut, Philadelphia, Pa.
DANGLER alcohol stoves—Dangler Stove Co., 501 Perkins av, Cleveland, Ohio
DANGLER gas radiators, gasoline stoves & blow torches—American Stove Co., 827 Chouteau av, St. Louis, Mo.
DANHOUR'S tool racks—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
DANIC sand blast machines—D. M. Nichols Iron Works, 4 Gouverneur pl., New York
DANIEL'S P. P. P. rod packing—Quaker City Rubber Co., 629 Market, Phila., Pa.
DANIELSON disc harrow boxes & neck yokes—Sharon Steel Hoop Co., Sharon, Pa.
DANISH bond paper—B. D. Rising Paper Co., Housatonic, Mass.
DANISH flint pebbles—Atkins, Kroll & Co., 260 California, San Francisco, Cal.



DANNS NOISELESS blackboard erasers—E. W. A. Rowles Co., 2345 S. La Salle, Chicago, Ill.
DANZER-HANDY portable punches—Danzer Metal Works, Hagerstown, Md.
DANZER'S rose top ventilators—Danzer Metal Works, Hagerstown, Md.
DANZER'S LIGHTNING roofing edgers—Danzer Metal Works, Hagerstown, Md.
DARCHE electric alarm clocks—Darche Mfg. Co., 643 Washington blvd, Chicago, Ill.
DARCOID asbestos brake lining, friction surfaces, clutch facings, flexible fibre & gum gaskets, gaskets for flanges, valves & fittings, gauge glasses, packing flange joints, sheet & flexible fibre & packing mfrs.—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
DARK CHASER lanterns—Am. Gas Mach. Co., 78 Reade, New York
DARLEY pneumatic conveyors—Guarantee Const. Co., 92 West, New York
DARLEY—suction conveyors—Pneumatic Conveyor Co., 37 W. Van Buren, Chicago, Ill.
DARNELL'S furrower & coverer—H. W. Doughten, Moorestown, N. J.
D-ARROW cultivators—S. R. White's Sons, Norfolk, Va.
D'ARSONVALL galvanometers—Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
DART pipe couplings, pipe flanges, glue heaters, unions—E. M. Dart Mfg. Co., 134 Thurber av, Providence, R. I.
DART pipe couplings & flanges—Fairbanks Co., 416 Broome, New York
DARTMOUTH lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
DATONIA paint, oils—Kay & Ess Co., Dayton, Ohio
DAUBER door & sash clamps—Dauber Bell Machine Co., Oshkosh, Wis.
DAUM refillable cartridge fuses—A. F. Daum Co., 1157 Hodgkiss, Pittsburgh, Pa.
DAUNTLESS rubber hose & insulating tape—Boston Woven Hose & Rubber Co., Cambridge, Mass.
DAUNTLESS water power clothes washer—Blackstone Mfg. Co., Jamestown, N. Y.
DAVENPORT drilling machines & vises—Blissfield Motor Works, Blissfield, Mich.
DAVENPORT multiple spindle automatic screw machines—Davenport Machine Tool Co., New Bedford, Mass.
DAVIDSON ash ejectors & valves—M. T. Davidson Co., 154 Nassau, New York
DAVIDSON stalk cutters—Davidson-Dietrich Plow Co., Evansville, Ind.
DAVIS brake beams—Cambria Steel Co., Widener bldg, Phila., Pa.
DAVIS cable terminals—Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
DAVIS carriage robes—Geo. W. Davis (Inc.), Worcester, Mass.
DAVIS cast steel wheels—American Steel Foundries, McCormick bldg., Chicago, Ill.
DAVIS churns—Vermont Farm Machine Co., Bellows Falls, Vt.
DAVIS cream separators—Davis-Watkins Dairymen's Mfg. Co., North, Chicago, Ill.
DAVIS desk telephone brackets—Lee Electric Co., 219 N. Calvert, Baltimore, Md.
DAVIS distilling condensers—Pratt & Cady Co., Inc., Hartford, Conn.
DAVIS driving wheels—Commonwealth Steel Co., Pierce bldg., St. Louis, Mo.
DAVIS expansion boring tools—Davis Boring Tool Co., 3722 Forrest Park bl., St. Louis, Mo.
DAVIS friction clutches—Wooster Machine Co., Wooster, Ohio
DAVIS harness sewing machine—Davis Sewing Machine Co., Dayton, Ohio
DAVIS hygrometers, miners' safety lamps & water gauges—Joseph F. McCoy Co., 157 Chambers, New York
DAVIS inkstands & wells—Emry Davis, 298 Broadway, New York
DAVIS lathes—Davis Machine Tool Co., Rochester, N. Y.
DAVIS levels—M. W. Robinson Co., 296 B'way, New York
DAVIS row-locks—Malleable Iron Fittings Co., Branford, Conn.
DAVIS row-locks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
DAVIS shot guns—Davis Warner Arms Co., 96 Chambers, New York
DAVIS steam & hot water heaters—O. C. Davis, Racine, Wis.
DAVIS switches—Menominee Electric Mfg. Co., Menominee, Mich.

DAVIS switches—Wesco Supply Co., 7th & Clark av, St. Louis, Mo.
DAVIS valves—G. M. Davis Regulator Co., 434 Millmington, Del.
**DAVIS valves—Geo. M. Davis Regulator Co., 422 Milwaukee av, Chicago, Ill.**
DAVIS valves—Louis N. Davis, West Chester, Pa.
DAVIS-BIRAM anemometers—Joseph F. McCoy Co., 157 Chambers, New York.
DAVIS BROWN gas meter cleaning compounds—Standard Chemical & Supply Co., 172 2d, East Cambridge, Mass.
DAVIS & COOK levels—S. R. Jackson, Watertown, N. Y.
DAVIS DUPLEX power pumps—Pratt & Cady Co., Inc., Hartford, Conn.
DAVOREN-DENVER church bells, hose nozzles & couplings, locomotive injectors & lubricators—U. T. Davoren Brass Finishing Works, 1241 12th, Denver, Colo.
DAVY miners' safety lamps—American Safety Lamp & Mine Supply Co., Scranton, Pa.
DAVY BROS. hydraulic forging presses—United Engineering & Foundry Co., Keenan bldg, Pittsburgh, Pa.
DAWN PROTECTOR metal washboards—National Washboard Co., 72 W. Adams, Chicago, Ill.
**DAWSON corset & shoe lace tipping—C. A. Luther, Inc., Pawtucket, R. I.**
**DAY mechanical dust collectors—Day Co., 1004 Lyndale, Minneapolis, Minn.**
**DAY spark plugs—Geo. F. Day, 21 Haverhill, Boston, Mass.**
DAY-ELDER motor trucks—Day Elder Motors Corp., 20 Coit, Newark, N. J.
**DAYLIGHT glass door ovens—S. M. Howes Co., 40 Union, Boston, Mass.**
DAYLIGHT hog house puttyless windows—Milwaukee Corrugating Co., Milwaukee, Wis.
**DAYLITE greaseless skylight cleaners—Anderson Specialty Co., 6 E. Lake, Chicago, Ill.**
DAYLOS TUNGSTEN batteries—American Ever Ready Works of National Carbon Co., Thompson av, Long Island City, N. Y.
**DAY'S battery motors—Menominee Electric Mfg. Co., Menominee, Mich.**
DAY'S LITTLE GIANT grinding & crushing mills—J. H. Day Co., Cincinnati, Ohio
DAYTON bicycles—Davis Sewing Machine Co., Dayton, Ohio
DAYTON car bells & gongs—Dayton Mfg. Co., Dayton, Ohio
DAYTON car door fasteners, screw clamps, concrete inserts—Dayton Malleable Iron Co., Dayton, Ohio
**DAYTON computing scales—Computing Scale Co., Dayton, Ohio**
DAYTON cushioned tires—Dayton Rubber Mfg. Co., Dayton, Ohio
DAYTON-DOWD mills, pumps & tractors—Dayton-Dowd Co., Quincy, Ill.
DAYTON dynamos & motors & spark coils, auto charging sets & igniters—Dayton Electrical Mfg. Co., Dayton, Ohio
**DAYTON harrows, cultivators, planters & hay loaders—Ohio Rake Co., Dayton, Ohio**
**DAYTON pipe couplings—Dayton Pipe Coupling Co., Dayton, Ohio**
**DAYTON pneumatic tools—Dayton Pneumatic Tool Co., Dayton, Ohio**
**DAYTON rod & tube pointing, tube tapering & wire pointing machines—The Excelsior Plant, successors to Excelsior Needle Co., Torrington, Conn.**
DAYTON tube expanders & flue cutters—Gustav Wiedeke & Co., Dayton, Ohio
DAYTON water motors—Valle-Kilmes Co., Dayton, Ohio
DAYTON C. & C. bean & pea planters—Ohio Rake Co., Dayton, Ohio
DAYTON OHIO water heaters—Dayton Supply Co., Dayton, Ohio
**DAYTONIA acetylene gas machines—St. Clair Mfg. Co., Dayton, Ohio**
**DAZEY churns & ice cream freezers—Dazey Churn Mfg. Co., 4301 Warne, St. Louis, Mo.**
**DAZZLEINE metal polish—American Motor Equipment Co., 181 Massachusetts av, Boston, Mass.**
DAZZLER metal polish—Layton, Park Oil & Soap Co., Forest H. & Hofmeister, Milwaukee, Wis.
**DAZZLER motor cycle tires—Kokomo Rubber Co. Kokomo, Ind.**
DAZZLER putty liquid polish—Miller Bros. & Co., 894 Broadway, New York
DEAD BEAT draft recording gauges—Precision Instrument Co., 21 Halsey, Newark, N. J.
**DEAD EASY air compressors, tire pumps—Globe Mfg. Co., Battle Creek, Mich**
**DEAD EASY insecticides—Rath Mfg. Co., Hedley & Richmond, Phila., Pa.**
DEAD EASY rat traps—Lovell Mfg. Co., Erie, Pa.
**DEADLOCK hay carriers—Strickler Hay Tool Co., Janesville, Wis.**
**DEAD SHOT powder—American Powder Mills, Board of Trade bldg., Boston, Mass.**
**DEAD STROKE power hammers—Dienelt & Eisenhardt, 1304 N. Howard, Phila., Pa.**
**DEAF counter scales—Pelouze Mfg. Co., 232 E. Ohio, Chicago, Ill.**
DEAN boiler tube cleaners—Wm. B. Pierce Co., 40 N. Division, Buffalo, N. Y.
**DEAN ear corn cutters—Sandwich Mfg. Co., Sandwich, Ill.**
**DEAN linseed oil & cake—American Linseed Co., 100 Woolworth bldg, New York**
**DEAN locomotive sanders—United States Metallic Packing Co., 221 N. 13th, Phila., Pa.**
**DEAN shaking grates—Washburn & Granger, 50 Church, New York**
DEAN tubular boilers—Portland, Maine.
**DEAN wire stretchers—Arcade Mfg. Co., Freeport, Ill.**
**DEAN wire stretchers—Hunt, Helm, Ferris & Co., Harvard, Ill.**
**DEANE'S T squares—E. L. Deane Machine Co., Holyoke, Mass.**
DEARBORN truck units—Dearborn Truck Co., 2015 S. Michigan av, Chicago, Ill.
DEARBORN yarn, floor & twisted-in-wire brushes & dusters—Dearborn Duster Co., 550 W. Harrison, Chicago, Ill.
**DEARBORN'S blind stitch sewing machines—American Blind Stitch Machine Co., 325 Lafayette, New York**
**DEARSLEY foundry molding machines—Freeman Mfg. Co., Racine, Wis.**
**DEATH GRIP hay carriers—Goshen Mfg. Co., Goshen, Ind.**
**DEATON household reminders—Kohler Die & Specialty Co., De Kalb, Ill.**
DE BARDELEBEN pig iron—Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
**DE BEER'S mining skips—Lake Shore Engine Works, Marquette, Mich.**
**DECARBONIZER carbon removers—Milwaukee Auto Specialty Co., 711 Chestnut, Milwaukee, Wis.**
DECKER log loaders—Clyde Iron Works & Sales Co., Duluth, Minn.
DECKER'S saws, inserted teeth — E. F. Decker Saw Works, Albany, N. Y.
DECOLENE oil & polish mops—Dearborn Duster Co., 550 W. Harrison, Chicago, Ill.
DECORA lighting glass—Macbeth-Evans Glass Co., C. of C. bldg, Pittsburgh, Pa.
**DECUPLE flaming arc lamps—Scott Electrical Co. 357 Ogden, Newark, N. J.**
**DEDENDA car bells & gongs—J. G. Brill Co., 62nd & Woodland av, Phila., Pa.**
**DEEDS packing—Pioneer Brass Works, Indianapolis, Ind.**
**DEEMER steel converters—Deemer Steel Casting Co., New Castle, Del.**
**DEERE cultivators, harrows, potato diggers—Deere & Co., Moline, Ill.**
DEERING binder twine, binders, harrows, harvesters, mowers, reapers, hay stackers, corn huskers, corn pickers, binder twine—International Harvester Co. of America (Inc.), Harvester bldg, Chicago, Ill.
**DEFENDER blotting paper—Standard Paper Mfg. Co., Hull & Canal, Richmond, Va.**
DEFENDER cotton hose—Pioneer Rubber Mills, San Francisco, Cal.
DEFENDER insect guns—Thos W. Houchin Co., 36 E. 12th, New Yoork
**DEFENDER rubber packing—Woven Steel & Rubber Co., Trenton, N. J.**
**DEFENDER safety pins—Oakville Co., Waterbury, Conn.**
DEFENDER ORTHOCHROMATIC dry plates—Defender Photo Supply Co., Rochester, N. Y.
DE-FI carbon paper & polychrome typewriter ribbons —De-Fi Mfg. Co., 150 Nassau, New York
**DEFIANCE auto truck trailers—Defiance Carriage Co., Defiance, Ohio**
**DEFIANCE belt lacing—Norwich Belt Mfg. Co., Norwich, Conn.**
**DEFIANCE cultivators—Ohio Cultivator Co., Bellevue, Ohio**
DEFIANCE cutlery polish, renovators & polishers—Dilg Mfg. & Trading Co., 27 E. 125th, New York
**DEFIANCE disc harrows—Rock Island Plow Co., Rock Island, Ill.**

DEFIANCE jet pumps—Tranter Mfg. Co., 105 Water Pittsburgh, Pa.
DEFIANCE pumps—F. E. Myers & Bro., Ashland, Ohio
DEFIANCE rubber belting, water & steam hose & sheet packing—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
DEFIANCE screw drivers—Stanley Rule & Level Co., New Britain, Conn
DEFY SEALE boiler compound—Northern Insulating Co., St. Paul, Minn.
DE FRANCE locomotive sanders—Newark Air Sand Box Co., Newark, Ohio
DEGRACO-TONE flat wall paints—Detroit Graphite Co., 10-12th, Detroit, Mich.
DEHN'S floor drains, closet bends, & elbows, grease traps—Compound Injector & Specialty Co., 419 N. Laramie av, Chicago, Ill.
DEHYDRATINE waterproofing materials—Vitrifex Co., 133 W. Washington, Chicago, Ill.
DEISSLER stained glass window ventilators—P. Deissler & Bro., 249 S. 6th, Phila., Pa.
DEISTER ore concentrators & slime tables—Deister Concentrator Co., Fort Wayne, Ind.
DEISTER-OVERSTROM ore concentrators & slime tables—Deister Concentrator Co., Fort Wayne, Ind.
DELAMATER sink & float testing machines—Penna. Crusher Co., Stephen Girard bldg., Phila., Pa.
DE LASKE fire hose looms—John Royle & Sons (Inc.), Paterson, N. J.
DE LA VERGNE ammonia compressors—De La Vergne Machine Co., ft. E. 138th, New York
DELAWARE garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
DELAWARE reclaimed rubber—Nearpara Rubber Co., Trenton, N. J.
DELCO electric stoves, sad irons, toasters—Diamond Electric Co., Binghamton, N. Y.
DELCO engine starters—Dayton Engng. Laboratories Co., Dayton, Ohio
DELCO-LIGHT electric lighting plants—Delco Light Co., Dayton, Ohio
DELESPO garment hangers—Rocky Hill Hardware Co., Rocky Hill, Conn.
DELHI carbon paints—Jenkins Paint & Oil Co., Norfolk, Va.
DELHI sheet rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
DELIGHTO stoves—Birmingham Stove & Range Co., Birmingham, Ala.
DELL BARS washing powder—Delbare Mfg. Co., 714 S. Dearborn, Chicago, Ill.
DEL LU ZON liquid soap—Bonyata Chemical Co., Grinnell, Iowa
DELMARVIA garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
DELMAS welding plates & welding compounds—Century Tool & Metal Co., 180 N. Market, Chicago, Ill.
DELMONICO can openers—John H. Graham & Co., 113 Chambers, New York
DELMONICO'S ice cream dishers—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
DELPHOS dust pans, corn poppers, oil cans—Delphos Mfg. Co., Delphos, Ohio
DELTA anchors, cranes, derricks, hoists, elevators, trucks, trolleys, locomotives, etc.—N. J. Foundry & Machine Co., 89 West, New York
DELTA files—Carver File Co., 3235 Frankford av, Phila., Pa.
DELTA files—Delta File Works, 3227 Frankford av, Phila., Pa.
DELTA packing—Quaker City Rubber Co., 629 Market, Phila., Pa.
DELTA spark plugs—Delta Mfg. Co., 9 Delancy, Newark, N. J.
DELTA steam & hot water heaters—Concord Mfg. Co., Dayton, Ohio
DELTA sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
DELTA testing instruments—Foote, Pierson & Co., 160 Duane, New York
DELTABESTON wire—D. & W. Fuse Co., Hathaway, Providence, R. I.
DELTAR lenses—Bausch & Lomb Optical Co., Rochester, N. Y.
DELTON grass rugs—Deltox Grass Rug Co., Oshkosh, Wis.
DELUGE chemical fire engines—Prospect Mfg. Co., Prospect, Ohio
DELUGE hose nozzles—Boston Woven Hose & Rubber Co., Cambridge, Mass.
DE LUX yarn hand dusters—Universal Brush Co., 181 Quincy, Chicago, Ill.
DE LUXE acetylene gas burners—American Lava Corp., Chattanooga, Tenn.



DE LUXE japanned ware—Schlueter Mfg. Co., St. Louis, Mo.
DE LUXE loose leaf devices—Wilson, Jones Loose Leaf Co., 3300 Franklin bldg, Chicago, Ill.
DELUXLITES electric light fixtures—Harter Mfg. Co., 524 S. Clinton, Chicago, Ill.
DE-MAND-A rotary harrow attachments—National Harrow Co., Le Roy, Ill.
DEMING pumps—Deming Co., Salem, O.
DEMO air pumps—Bridgeport Brass Co., Bridgeport, Conn.
DEMON match safes—Grey Iron Casting Co., Mt. Joy, Pa.
DEMON sheet packing—Hart Packing Co., 144 High, Boston, Mass.
DEMON water tube cleaner—General Specialty Co., Buffalo, N. Y.
DEMOREL spray nozzle—Deming Co., Salem, Ohio
DEMPSTER pumping jacks & grain drill—Dempster Mill Mfg. Co., Beatrice, Neb.
DENNEY tag machinery—American Machine Co., Newark, Del.
DENNEY IMPROVED RIDER ERICSSON pumping engines—American Machine Co., Newark, Del.
DENNING tractors — Denning Tractor Co., Cedar Rapids, Ia.
DENNIS derricks—Bronx Derrick & Tool Co., 143d & Southern Boulevard, New York
DENNIS weather strips—W. J. Dennis & Co., 2120 W. Lake, Chicago, Ill.
DENNISON fire-proof hollow tile—Ohio Clay Co., Guardian bldg, Cleveland, Ohio
DENNY steam traps—W. K. Mitchell & Co., 2940 Ellsworth, Phila., Pa.
DENSMORE saw gunners—Tanite Co., Stroudsburg, Pa.
DENZER electric & gas light fixtures—Beardslee Chandelier Mfg. Co., 216 S Jefferson, Chicago, Ill.
DEO dust absorbing floor oils—Alcatraz Co., Inc., 3200 Williamsbury av, Richmond, Va.
DEOXIDINE rust preventative—Am. Chemical Paint Co., 1118 S. 11th, Phila., Pa.
DEOXYLYTE rustless pickle for iron & steel—American Chemical Paint Co., 1118 S. 11th, Phila., Pa.
DEPENDABLE oak belting butts—Kistler, Lesh & Co., 332 Sumner, Boston, Mass.
DEPENDABLE rubber belting—New York Rubber Co., Reade & Church, New York
DEPENDABLE seamless steel sheels—Parish Supply & Mfg. Co., 2868 Quinn, Chicago, Ill.
DEPUTY MARSAUT miners' safety lamp—Am. Safety Lamp & Mine Supply Co., Scranton, Pa.
DERAYCO brick paints—Devoe & Raynolds Co., Inc., 101 Fulton, New York.
DERBY cook stove—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
DERBY corn planters—Brinly-Hardy Co., Louisville, Ky.
DERBY fifth wheels—Keystone Forging Co., Northumberland, Pa.
DERBY oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
DERBY pipe taps & reamers—Butterfield & Co., Derby Line, Vt.
DE REMER turbine water wheels—Mine & Smelter Supply Co., 42 Broadway, New York
DE RONDE paint & varnish remover—Frank S. De Ronde Co., 24 Stone, New York
DERINGER pistols—Remington Arms-Union Metallic Cartridge Co., 233 Broadway, New York
DERR hot air furnaces—Pottsville Foundry & Stove Co., Pottsville, Pa.
DE RYCKE steam separators—Ambrose Machine Co., 254 Eagle, Brooklyn, N. Y.
DESCO metal store fronts—Detroit Show Case Co., 480 Fort, W. Detroit, Mich.
DESERT belting—Quaker City Rubber Co., 629 Market, Phila, Pa.
DESHLER rural mail boxes, standardized—Deshler Mail Box Co., Deshler, Ohio
DES MOINES ELATERITE paints & waterproofing materials—Elaterite Paint & Mfg. Co., Des Moines, Ia.
DESMOND boiler injectors—Desmond-Stephan Mfg. Co., Urbana, Ohio
DESOCO bow separators—Detroit Socket Co., 834 W. Jefferson, Detroit, Mich.
DESOLVO compound drain pipe cleaners—Chamberlain Co., 305 Penn av, Pittsburgh, Pa.
DETACHABLE grass catchers—Specialty Mfg. Co., 2362 University av, St. Paul, Minn.
DETERGINE benzine substitute—Duryea Mfg. Co., Bayonne, N. J.
DETRA boiler injectors—Stephen Roe Mfg. Co., 1097 McKinley, Detroit, Mich.

DETROIT car couplers—Monarch Steel Casting Co., Solvay & Wabash R. R., Detroit, Mich.
DETROIT coin wrappers—Detroit Coin Wrapper Co., 15 W. Milwaukee, Detroit, Mich.
DETROIT folding scaffold brackets—Folding Scaffold Bracket Co., 60 W. Lafayette av, Detroit, Mich.
DETROIT grease—O. F. Zurn Co., Broad & Lehigh av, Philadelphia, Pa.
DETROIT heat transformers & steam meters—Central Station Steam Co., 710 E. Woodbridge, Detroit, Mich.
DETROIT journal boxes—Michigan Malleable Iron Co., Delray, Detroit, Mich.
DETROIT locomotive firebox boilers—John Brennan & Co., 24th & M. C. R. R., Detroit, Mich.
DETROIT mortar mixers—Oelman Mach. Co., 224 St. Antoine, Detroit, Mich.
DETROIT package sealing & labeling machines—Robt. Mitchell Co., Detroit, Mich.
DETROIT rocking elect. furnaces—Detroit Elect. Furnace Co., Book bldg, Detroit, Mich.
DETROIT row-locks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
DETROIT steam traps—American Blower Co., 1400 Russell, Detroit, Mich.
DETROIT steel scaffold brackets—Buxton Machine Works, 935 Scotten, Detroit, Mich.
DETROIT switches & motor starters—Detroit Fuse & Mfg. Co., Detroit, Mich.
DETROIT trolley wire clamps—Ohio Brass Co., Mansfield, Ohio
DETROIT valves, gauges, lubricators—Detroit Lubricator Co., Detroit, Mich.
DETROIT weather strips—Frost Railway Supply Co., Penobscot bldg, Detroit, Mich.
DETROIT drills—Detroit Twist Drill Co., Detroit, Mich.
DETROIT FENESTRA rolled steel windows—Detroit Steel Products Co., 2250 E. Grand blvd, Detroit, Mich.
DETROIT JEWEL gas & coal ranges & furnaces, water heaters—Detroit Stove Works, 1320 Jefferson av, Detroit, Mich.
DEVEAU annunciators, push buttons—Stanley & Patterson, 23 Murray, New York
DEVERALL oil cans & oilers—Deverall Perfection Mfg. Co., Coney Island av & Johnson pl, Brooklyn, N. Y.
DEVIL SKIN superheated steam packing—Dealers Steam Packing Co., Palmyra, N. Y.
DEVO packing—Goetze Gasket & Packing Co., New Brunswick, N J.
DEVOE marble floor finish, paints, colors, stains, waterproofing materials—Devoe & Raynolds Co., 101 Fulton, New York
DEWARD oil hardening non-shrinking tool steel—Atlas Crucible Steel Co., Dunkirk, N. Y.
DEWCO mine timber framing machines—Denver Engineering Works Co., Denver, Colo.
DEWEY cement—Dewey Portland Cement Co., Scarritt bldg, Kansas City, Mo.
DEWEY cultivators—Rockford Mfg. Co., Rockford, Ill.
DEWEY curtain stretchers—Wagner Curtain Stretcher Co., Greensburg, Pa.
DEWEY fire hose racks—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
DEWEY gas heaters—Edward S. Stevenson, New Castle, Pa.
DEWEY hose armour, hose racks—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
DEWEY lawn mowers—B. F. Avery & Son, Louisville, Ky.
DEWEY lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
DEWEY paper cap exploders—Wrightsville Hardware Co., Wrightsville, Pa.
DEWEY potato planters—Potato Implement Co., Traverse City, Mich.
DE WITT BRAND wire cloth—Rogers Wire Works, Inc., Belleville, N. J.
DEXTER cement — Dexter Portland Cement Co., Nazareth, Pa.
DEXTER clothes washing machines & plow clevises —Dexter Co., Fairfield, Ia.
DEXTER garden cultivators & wheel garden hoes—Ohio Cultivator Co., Bellevue, Ohio
DEXTER knives—T. J. Harrington, Southbridge, Mass.
DEXTER knives—Harrington Cutlery Co., Southbridge, Mass.
DEXTER lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
DEXTER valve re-seating machines—Leavitt Mach. Co., Orange, Mass.

DEY time-recording system clocks—International Time Recording Co. of New York, Endicott, N. Y.
DIABOLO cream separators & washing machines—United Engine Co., Lansing, Mich.
DIABRASIVE diamond saw teeth—W. F. Meyers Co., Bedford, Ind.
DIAGON packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
DIAGONAL EXPANSION packing—General Asbestos & Rubber Co., Charleston, S. C.
DIAGRAPH stencil inks—Diagraph Co., 2121 N. 9th, St. Louis, Mo.
DIAGRAPH stencil machines—Diagraph Stencil Cutting Mach. Corp., 9th & Clinton, St. Louis, Mo.
DIAL cash registers—Dial Cash Register Co., 409 3rd, Milwaukee, Wis.
DIAMOND belting & belt cements—W. S. Nott Co., 2nd av, N. & 3rd, Minneapolis, Minn.
DIAMOND billiard chalk—American Crayon Co., Sandusky, Ohio
DIAMOND boys' axes—Mann Edge Tool Co., Lewistown, Pa.
DIAMOND brake beams—Chicago Railway Equipment Co., 1928 W. 46th, Chicago, Ill.
DIAMOND butchers' cleavers—John B. Black Co., Chester, Pa.
DIAMOND calcined plaster—J. B. King & Co., 17 State, New York.
DIAMOND can openers—Browne & Dowd Mfg. Co., Meriden, Conn.
DIAMOND carbon paper, typewriter ribbons & typewriter oils—Miller-Bryant-Pierce Co., Aurora, Ill.
DIAMOND carbon removers—Diamond Specialty Co., Indianapolis, Ind.
DIAMOND cement—Diamond Portland Cement Co., Cleveland, Ohio
DIAMOND cement mixers & concrete building block machinery—Cardington Cabinet Co., Cardington, Ohio
DIAMOND coffee & spice mills—Wrightsville Hardware Co., Wrightsville, Pa.
DIAMOND conduit wiring rods—Diamond Expansion Bolt Co., 89 West, New York
DIAMOND core drills—Standard Diamond Drill Co., 38 S. Dearborn, Chicago, Ill.
DIAMOND core & prospecting drills—Sullivan Machineery Co., Peoples Gas bldg, Chicago, Ill.
DIAMOND corn & cob mills, sweep horse powers & tow mill machinery—New Winona Mfg. Co., Winona, Minn.
DIAMOND cotton mops—C. H. Ellert, Evansville, Ind.
DIAMOND cutting oils—Damascus Mfg. Co., Cassius av, Cleveland, Ohio
DIAMOND damper regulators & tube cleaners—Diamond Power Specialty Co., Oakland & Caniff, Detroit, Mich.
DIAMOND disc cotton hullers—Diamond Huller Co., Winsono, Minn.
DIAMOND door hangers—Diamond Door Hanger Co., 28 Rodney, Brooklyn, N. Y.
DIAMOND egg & cream beaters—Wickwire Spencer Steel Corp., Worcester, Mass.
DIAMOND elevator door hangers—Grant Pulley & Hardware Co., 101 Park av, New York
DIAMOND emery wheel dressers—Geo. Hartley, Waterbury, Conn.
DIAMOND expansion bolts, expansion screw anchors, toggle bolts & diamond N. brick drills—Diamond Expansion Bolt Co., 89 West, New York
DIAMOND expanded metal lath—Milwaukee Corrugating Co., Milwaukee, Wis.
DIAMOND farm gates—Kokomo Steel & Wire Co., Kokomo, Ind.
DIAMOND gauge glasses—Diamond Specialty Supply Co., 1225 Arch, Phila., Pa.
DIAMOND hand & automatic surface grinders & saw sharpening machy.—Diamond Machine Co., Providence, R. I.
DIAMOND harness tools, shoemakers' tools, tanners' tools—Wm. H. Horn & Bros., 451 N 3rd, Phila, Pa.
DIAMOND harrows & pulverizers & wheel gang plows —Parlin & Orendorff Co., Canton, Ill.
DIAMOND hose nozzles—H. B. Sherman Mfg. Co., Battle Creek, Mich.
DIAMOND hose & packing—Empire Tire & Rubber Co., Trenton, N. J.
DIAMOND hydrated lime—Ohio & Western Lime Co., Huntington, Ind.
DIAMOND ice cream freezers—Cardington Cabinet Co., Cardington, Ohio
DIAMOND ice creepers—Norlund Mfg. Co., Williamsport, Pa.
DIAMOND industrial starch & vegetable oils—Corn Products Refining Co., 17 Battery pl, New York

DIAMOND lawn mowers—Dille & McGuire Mfg. Co., Richmond, Ind.
DIAMOND lock lever faucets—John Sommer Faucet Co., 355 Central av, Newark, N. J.
DIAMOND log loaders, log hauls, lumber trimmers, gang saw mills, traction engines—Diamond Iron Works, Minneapolis, Minn.
DIAMOND lubricating oils & greases—Cornplanter Lubricating & Oil Co., ft. Drake, St. Paul, Minn.
DIAMOND molders' flasks—Diamond Clamp & Flask Co., Richmond, Ind.
DIAMOND motor cycle tires—B. F. Goodrich Co., Akron, Ohio
DIAMOND nickel anodes—Burns E. Reed, 27 Jackson, Brooklyn, N. Y.
DIAMOND oak flooring—Louisiana Long Leaf Lumber Co., Fisher, La.
DIAMOND oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
DIAMOND packing—American Steam Packing Co., 165 High, Boston, Mass.
DIAMOND paints—Thompson & Co., 857 W. North av, Pittsburgh, Pa.
DIAMOND playground equipment—Safety First Supply Co., 107 3rd av, Pittsburgh, Pa.
DIAMOND plow steel—Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
DIAMOND plows—Parlin & Orendorff Co., Canton, Ill.
DIAMOND plumbers' brackets, stock fountains & valves—A. Y. McDonald Mfg. Co., Dubuque, Ia.
DIAMOND prepared plaster—United States Gypsum Co., 205 W Monroe, Chicago, Ill.
DIAMOND printing presses & paper cutting machines—Challenge Machy. Co., Grand Haven, Mich.
DIAMOND prospecting drills—Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
DIAMOND rope lariats—Diamond Whip Co., 406 N. Curtis, Chicago, Ill.
DIAMOND seals—Keystone Seal & Press Co., 30 Main, Brooklyn, N. Y.
DIAMOND self-opening dies — Chas. G. Allen Co., Barre, Mass.
DIAMOND shades & reflectors—Klemm & Co., 132 N. 5th, Phila., Pa.
DIAMOND soil pipe & fittings—A. Weiskittel & Son Co., 12th & E. Lombard, Baltimore, Md.
DIAMOND soldering stick & paste—Burnley Battery & Mfg. Co., North East, Pa.
DIAMOND steam traps—Jenkins Bros., 80 White, New York
DIAMOND stove pipe dampers—Adams Co., Dubuque, Ia.
DIAMOND weather strips—Diamond Metal Weather Strip Co., Columbus, Ohio
DIAMOND weather vanes — National-Standard Co., Box 211, Niles, Mich.
DIAMOND window screen cloth—New Jersey Wire Cloth Co., Trenton, N. J.
DIAMOND woven wire fences—Hohulin Bros., Goodfield, Ill.
DIAMOND wrenches—Frank Mossberg Co., Attleboro, Mass.
DIAMOND A. broad axes—American Axe & Tool Co., Glassport, Pa.
DIAMOND-B nail pullers—Belden Machine Co., New Haven, Conn.
DIAMOND B nail puller—Smith & Hemenway Co., 261 Broadway, New York, 130 Coit, Irvington, N. J.
DIAMOND BLACK harness oils—Climax-Western Oil Co., Minneapolis, Minn.
DIAMOND E. motor cycle spokes—Torrington Co. Standard plant, Torrington, Conn.
DIAMOND EAGLE tobacco knives—Jno. B. Russell, Napanoch, N. Y.
DIAMOND EDGE pruning shears—Nagley Mfg. Co., Lyons, N. Y.
DIAMOND FIBRE roving cans—Diamond State Fibre Co., Bridgeport, Pa.
DIAMOND GRID storage batteries—Phila. Storage Battery Co., E. Ontario & C., Philadelphia, Pa.
DIAMOND GRIT sand blast abrasives—Harrison Supply Co., 209 Washington, Boston, Mass.
DIAMOND H. switches, flush plugs—Hart Mfg. Co., 230 Hamilton, Hartford, Conn.
DIAMOND (J. D.) cocoa mats—Rancocas Mills, Trenton, N. J.
DIAMOND K. plumbers' traps & brass tubing—F. J. Klenke Co., Sharon bldg, San Francsico, Cal.
DIAMOND L. fire alarm signal boxes—Chas. W. Leveridge, 133 Liberty, New York
DIAMOND N. expansion bolts & drills—Diamond Expansion Bolt Co., 89 West, New York
DIAMOND N. magnesia pipe & boiler coverings—Norristown Magnesia & Asbestos Co., Norristown, Pa



DIAMOND OIL BLACK asphalt paints—Armstrong Paint & Varnish Works, 2502 S. Paulina, Chicago, Ill.
DIAMOND QUALITY welded chains—Rowe Calk & Chain Co., Plantsville, Conn.
DIAMOND S. brake shoes—Parker & Topping Co., Brainerd, Minn.
DIAMOND T. TURPALIN turpentine substitute—Terabentine Co., Commercial Trust bldg, Phila., Pa.
DIAMOND W. lubricating oils—Borne-Scrymser Co., 80 South, New York
DIAMOND & ARMSTRONG gang saw edgers—Diamond Iron Works, Minneapolis, Minn.
DIAMOND & DITTENBENNER saw mill dogs—Diamond Iron Works, Minneapolis, Minn.
DIAMONDLESS core drills—Ingersoll-Rand Co., 11 Broadway, New York
DIANA oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
DIAX de-sizing agent for bleaching, etc., dyeing, etc. —Malt Diastase Co., 79 Wall, New York
DIBBLE sight feed lubricators—Handlan-Buck Mfg Co., 210-14 N. 3rd, St. Louis, Mo.
DIBERT gold extractors—L. C. Dibert Co., 138 1st, San Francisco, Cal.
DICE gasoline engines—Dice Machine Co., Anderson, Ind.
DICHTUNGSGUMMI metallic packing — Strong Machinery & Supply Co., 21 Walker, New York
DICKBELT belting—R. & J. Dick, Ltd., Passaic, N. J.
DICKEY door & window bolts—Stanley Works, New Britain, Conn.
DICKEY fanning mills, grain & seed graders—A. P. Dickey Mfg. Co., Racine, Wis.
DICKEY woven wire brushes—Chas. E. Chapin, 201 Fulton, New York
DICKINSON carriage eyelets — Goshen Eyelet Co., Goshen, Ind.
DICKINSON ventilators—Paul Dickinson, 3346 S. Artesian av, Chicago, Ill.
DICKMAN rub irons—Defiance Machine Works, Defiance, Ohio
DICKOWS' 10" UNIVERSAL index cutters—Fred C. Dickow, 3504 W Lake, Chicago, Ill.
DICK'S feed cutters—Jos. Dick Mfg. Co., Canton, Ohio
DICTAPHONE dictating machines—Columbia Graphophone Co., 233 Broadway, New York
DICKSTEPH CAST IRON BRAND brazing flux—Economy Welding Machine Co., Kansas City, Mo.
DIDIER brick—Didier-March Co., Perth Amboy, N. J.
D-I-E cast iron piston rings—S. W. Merritt Co., 699 W. 133rd, New York
DIEHL cupboard catches, screen door hinges, storm sash hangers, barn door latches & transom lifts —Diehl Novelty Co., Glenbeulah, Wis.
DIELECTRIC electric cable compounds & metal polish —Dielectric Mfg. Co., 224 S. Vandeventer av, St. Louis, Mo.
DIELECTRIC underground conduits—Dielectric Co. of America, Belleville, N. J.
DI-EL-ITE resistance units—Wirt Co. Armat & Lena, Phila., Pa.
DI-EN-KEY brass & iron expansion bolts—Diamond Expansion Bolt Co., 89 West, New York
DIESEL oil engines—McIntosh & Seymour Corp., Auburn, N. Y.
DIESEL oil engines—Midwest Engine Co., Indianapolis, Ind.
DIESEL TYPE oil engines—New London Ship & Engine Co., Groton, Conn.
DIETZ hub bands—Eastern Malleable Iron Co., Naugatuck, Conn.
DIGGER shovels—Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
DIGHTON stoves—Dighton Foundry Co., Taunton, Mass.
DIGWELL PATTERN post hole augers—Eureka Digger Co., 227 W. Huron, Chicago, Ill.
DIKEMAN chain attachment drills—M. W. Robinson Co., 296 B'way, New York
DIKEMAN floor scrapers & saw clamps—Dikeman Mfg. Co., Norwalk, Conn.
DILG cutlery polish—Dilg Mfg. & Trading Co., 27 E 125th, New York
DILL slotting machines—T. C. Dill Machine Co. (Inc.), Somerset & Mascher, Phila., Pa.
DILLON railroad fences & wire stretchers—Northwestern Barb Wire Co., Sterling, Ill.
DIM-A-LITE regulating sockets—Wirt Co., Germantown, Phila., Pa.
DIME door checks—Caldwell Mfg. Co., Rochester, N. Y.
DIMO GRIT oil stones, emery tool grinders—Luther Grinder Mfg. Co., 285 S. Water, Milwaukee, Wis.

DIMO-SPECIAL food grinders—Luther Grinder Mfg. Co., 285 S Water, Milwaukee, Wis.
DINGEE-WOODBURY sweep horse powers—M. Rumley Tractor Co., La Porte, Ind.
DINGO red sheet packing—John M. Watts Sons, 54 N. 2nd, Phila., Pa.
DINGS magnetic separators—Dings Magnetic Separator Co., 672 Smith, Milwaukee, Wis.
DINKEL steam traps—Schutte & Koerting Co., 1251 N. 12th, Phila., Pa.
DINKLAGE CREEPCHECK anti-rail creepers—Creepcheck Co., 81 Fulton, New York
DIRECT DRIVE conductor pipe hooks—Milwaukee Corrugating Co., Milwaukee, Wis.
DIRECTOIRE blotting paper — Albermarle Paper Mfg. Co., Richmond, Va.
DIRECTOR lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
DIRIGO boat anchors, hoists & swivel hooks & wire rope clips—Thos. Laughlin Co., Portland, Me.
DIRIGO copper floats—William Briggs, 100 Lexington av, Brooklyn, N. Y.
DIRIGO packing—Jno. M. Watt's Sons, 54 N. 2nd, Philadelphia, Pa.
DIRIGO silos—Stevens Tank & Tower Co., Auburn, Me.
DIRIGO solderless copper floats—Boston Brass Co., 135 Bacon, Waltham, Mass.
DISBROW creamery churns—Oakes & Burger Co., Cattaragus, N. Y.
DISC felt neptune water filters—Union Filter & Novelty Co., 73 Franklin, New York.
DISFICO horn insulation—Diamond State Fibre Co., Bridgeport, Pa.
DISSTON hack saws—Hy. Disston & Sons, Tacony, Phila., Pa.
DISTRICT plows—Collins Plow Co., Quincy, Ill.
DITTO duck & crow calls—Charles H. Ditto, Keithsburg, Ill.
DITTO duplicators—Duplicator Mfg. Co., 530 S. Dearborn, Chicago, Ill.
DIVINE tires & water motors—Divine Bros. Co., Utica, N. Y.
DIX door hangers—Dix Mfg. Co., Fallsway & E. Eager, Baltimore, Md.
DIXIE automatic grease cups—W. D. Allen Mfg. Co., 566 W Lake, Chicago, Ill.
DIXIE belt fasteners & lacing—Columbia Novelty Co., St. Louis, Mo.
DIXIE cultivators—Wm. H. Clore Mfg. Co., Washington, Ind.
DIXIE cultivators—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
DIXIE exhaust heads—Dixie Mfg. Co., Russel, Baltimore, Md.
DIXIE harrows—Southern Plow Co., Columbus, Ga.
DIXIE magnetos—Sumter Electrical Co., 1466 Michigan av, Chicago, Ill.
DIXIE oak flooring—Bliss Cook Oak Co., Blissville, Ark.
DIXIE oil filters—Collins Mfg. Co., Ltd., 612 Chestnut, Phila., Pa.
DIXIE oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
DIXIE packing—General Asbestos & Rubber Co., Charleston, S. C.
DIXIE spring tooth harrows—Wirtz & Hernlen, Augusta, Ga.
DIXIE transformers & push buttons—Edwards & Co., Exterior av & 140th, New York
DIXIE ventilators—Dowman-Dozier Mfg. Co., Atlanta, Ga.
DIXIE well buckets—Richmond Cedar Works, Fulton, Richmond, Va.
DIXIE ANTI-FRICTION babbit metal—Smith-Courtney Co., Richmond, Va.
DIXIE QUEEN garden barrows—Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
DIXON fly traps—Reynolds Wire Co., Dixon, Ill.
DIXON radiator shields—Monash-Younker Co., 1407 W. Jackson blvd., Chicago, Ill.
DIXON'S crayons, crucibles, axle grease, plumbago, belt dressing, stove polish & paints for coating—Jos. Dixon Crucible Co., Jersey City, N. J.
D'LIGHT lighting fixture—Wizard Electric Lamp Co., 147 New Montgomery, San Francisco, Cal.
DOBBIE derricks & hoists—Dobbie Fdry. & Mach. Co., Niagara Falls, N. Y.
DOBBINS hot air furnaces—Simons-Leedle Co., Marshall, Mich.
DOBCO belting—Druid Oak Belting Co., 111 E. Lombard, Baltimore, Md.
DOCK hot water heaters—Hayes Pump & Planter Co., Galva, Ill.
DOCKASH gas ranges & stoves—Scranton Stove Works, Scranton, Pa.
DOCTOR file handles—Doane Mfg. Co., Allston, Mass.
DR. BAILEY'S ensilage cutters—Ames Plow Co., Quincy Hall, Boston, Mass.
DR. BRAUN'S packing—Combination Rubber Mfg. Co., Bloomfield, N. J.
DR. GEORGE W. GRILE PATENT pneumatic pressure rubber suits—B. F. Goodrich Co., Akron, Ohio
DR. HORN tachometers—Foxboro Company, The, Foxboro, Mass.
DR. LEAVITT pig forceps—Leavitt Mfg. Co., Urbana, Ill.
DR. MENDENHALL'S pig forceps—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
DR. SCHMITZ'S monopole oils—Wolf, Jacques & Co., Lexington av, Passaic, N. J.
DR. SCOTT safety razors—Pall Mall Electric Co., 128 W. 34th, New York
DR. WHEDON'S paper towels—Tuttle Press Co., Appleton, Wis.
DODDS packing—Bowers Rubber Works, San Francisco, Cal.
DODGE automatic tripping hooks, cable chain & system of coal storage—Link-Belt Co., 329 W. 39th Chicago, Ill.
DODGE blackboard surfacing material—American Soapstone Finish Co., Chester Depot, Vt.
DODGE rock crushers—Chalmers-Williams Mfg. Co., 1461 Arnold, Chicago Heights, Ill.
DODGE roll jaw crusher—Kennedy Van Saun Mfg. & Eng. Corp., 120 Broadway, New York
DODGE turret lathes—S. A. Woods Machine Co., 27 Damrell, Boston 27, Mass.
DODGE rock crushers—Walker Mfg. Co., Denver, Colo.
DODGE-COLLINS compression couplings — Dodge Sales & Engineering Co., Mishawaka, Ind.
DODSON hame chain—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
DOGGETT'S PERFECTION parting compounds—Stanley Doggett, 11 Cliff, New York
DOGWOOD belting—Hewitt Rubber Co., Buffalo, N. Y.
DOHERTY-ELDRED lime burning kilns—Improved Equipment Co., 60 Wall, New York
DOLBERS storm sash hangers—W. W. Woodruff & Sons Co., Mt. Carmel, Conn.
DOLE double compression couplings—Dole Valve Co., 1923 Carroll av, Chicago, Ill.
DOLLY MADISON ivory Py-ra-lin toilet articles—Arlington Wks., The (E. I. Du Pont de Nemours & Co.), Wilmington, Del.
DOLPHIN insulated wire—Atlantic Insulated Wire & Cable Co., Stamford, Conn.
DOLPHIN oil—Texas Company, 17 Battery pl, New York
DOLPHIN waterproof belting—Providence Belting Co., 7 Beverly, Providence, R. I.
DOLPHIN ATLANTIC rubber covered wire—Atlantic Insulated Wire & Cable Co., Stamford, Conn.
DOLPH'S insulating varnishes—John C. Dolph Co., 168 Emmett, Newark, N. J.
DOMES OF SILENCE sliding furniture casters—Henry W. Peabody & Co., 17 State, New York
DOMESTIC carpet sweepers—Domestic Vacuum Cleaner Co., Torrington, Conn.
DOMESTIC clothes washing & household ironing machines—Domestic Laundry Equipment Corp., 224 W. 26th, New York
DOMESTIC gas engines—Domestic Engine & Pump Co., Shippinsburg, Pa.
DOMESTIC hot water generators—Fred. A. Tyler, Albany, N. Y.
DOMESTIC meat juice presses—Athol Machine Co., Athol, Mass.
DOMESTIC spice mills—Wrightsville Hardware Co., Wrightsville, Pa.
DOMESTIC sunshine steel ranges—Reading Stove Works, Reading, Pa.
DOMINION acid proof belting mfrs., gauge glasses, gum & fibrous gaskets, piston & valve rod plunger, pumps, engines, etc., sheet packing—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
DOMINO sheet packing—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
DONALDSON crucible furnaces—Denver Fire Clay Co., Denver, Colo.
DONALDSON harvesters, beet pullers, farm boilers—Donaldson Bros., Mt. Clemens, Mich.
DONAVAN floor drains—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
DONEGAL gate latches & gate hinges—Grey Iron Casting Co., Mt. Joy, Pa.
DONKEY rod packing—Quaker City Rubber Co., 629 Market, Phila., Pa.
DONNELLY Christmas tree holders—C. H. Miller Hardware Co., Huntington, Pa.

DONNELLY linemen's climbers—Blakeslee Forging Co., Plantsville, Conn.
DONNELLY valves—L. B. Brass Co., Peabody, Mass.
DONOVAN floor flanges—Trenton Potteries Co., Trenton, N. J.
DON'T WORRY closet seats—Peerless Selling Co., Evansville, Ind.
DOOLEY lightning rods & fixtures—Dooley Lightning Rod Co., Topeka, Kans.
DOOLEY steel toe-calks—P. F. Burke, Dorr & Dorchester av, S. B., Boston, Mass.
DOOLITTLE'S viscosimeters—Eimer & Amend, 205 3rd av, New York
DOOLITTLE'S viscosimeters—Geo. D. Feidt & Co., 244 N. 5th, Phila., Pa.
DOPP soap makers' machinery—Sowers Mfg. Co., Buffalo, N. Y.
DORA blast furnaces—Va. Iron, Coal & Coke Co., Roanoke, Va.
DORCHESTER extension ladders—Frizell Ladder Co., 135 Granite av, Boston, Mass.
DORIC-ALL-ONE illuminating glassware, etc.—Jefferson Glass Co., 5 S. Wabash av, Chicago, Ill.
DORICLITE illuminating glassware, etc.—Jefferson Glass Co., 5 S. Wabash av, Chicago, Ill.
DO RO belt dressing & boiler compounds—Doermann Roehrer Co., 318 E 3rd, Cincinnati, Ohio
DORR cyanide plants, diaphragm pumps, continuous thickeners, & slime classifiers—Dorr Co., Denver, Colo.
DORRANCE rocking grate bars & smokeless furnaces—Chas. J. Dorrance, 5247 Ravenswood av, Chicago, Ill.
DORRITE electrical insulating compounds—Insulation Co., 190 Culver av, Jersey City, N. J.
DORSEY milk bottle caps—Roberts Lightning Mixer Co., 39 Pearl, Boston, Mass.
DOTY washing machines—Doty Mfg. Co., Dayton, O.
DOUBLE blade chopping knives—Cassday Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
DOUBLE service filters—Everson Filter Co., 70 W. Lake, Chicago, Ill.
DOUBLE-DUTY sockets—General Electric Co., Schenectady, N. Y.
DOUBLE DIAMOND rubber hose & packing—New York Belting & Packing Co., 91 Chambers, New York
DOUBLE EAGLE push buttons—F. H. Lovell & Co., Arlington, N. J.
DOUBLE EDGE box strapping—Stanley Works, New Britain, Conn.
DOUBLE END feed carriers—Louden Machinery Co., Fairfield, Ia.
DOUBLE EXTRA SPECIAL deep drawing tool steel—Hammond Steel Co., Inc., Syracuse, N. Y.
DOUBLE GRIP guy clips—Lamson & Sessions Co., 2188 Scranton rd, S. W., Cleveland, Ohio
DOUBLE GRIP tapping chucks—Wm. L. Procunier, 5947 W. Erie, Chicago, Ill.
DOUBLE JACK wire stretchers—American Steel & Wire Co., 208 La Salle, Chicago, Ill.
DOUBLE JET gasoline blow torches—Turner Brass Works, Sycamore, Ill.
DOUBLE POINT electric sad irons—Satisfaction Guaranteed Corp., 659 Fulton, Chicago, Ill.
DOUBLE QUICK—egg & cream beaters—Roseland Can & Specialty Co., Rockford, Ill.
DOUBLE QUICK ice cream freezers—Richmond Cedar Works, Fulton, Richmond, Va.
DOUBLE SPECIAL tool steel for cutting tempered steel, chilled iron, etc.—Halcomb Steel Co., Syracuse, N. Y.
DOUBLE TAPE safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
DOUDS blow-off valves, boiler injectors, cellar drainers, flexible joints—Frank C. Douds & Co., New Castle, Pa.
DOUGHBOY jacks—McKiernan-Terry Drill Co., 17 Park row, New York
DOUGHBOY wheat flour—Mennel Milling Co., Toledo, Ohio
DOUGHERTY cocks & bibbs—Peck Bros. & Co., New Haven, Conn.
DOUGHERTY feed water purifiers—Economy Iron Works, Chester, Pa.
DOUGLAS chair seats—Blair Veneer Co., North Troy, Vt.
DOUGLAS wood pipe—Canal Lumber Co., Seattle, Wash.
DOUGLASS fir piles—St. Paul & Tacoma Lumber Co., Tacoma, Wash.
DOUGLASS ADJUSTABLE steel pipe hangers—J. E. Douglass, 180 N. Dearborn, Chicago, Ill.
DOVER egg & cream beaters—Landers, Frary & Clark, New Britain, Conn.
DOVER egg & cream beaters—Wickwire Spencer Steel Corp., Worcester, Mass.



DOVER egg & cream beaters—National Mfg. Co., Worcester, Mass.
DOVER egg & cream beaters—Parker Wire Goods Co., Worcester, Mass.
DOVER egg & cream beaters—Taplin Mfg. Co., New Britain, Conn.
DOVER egg & cream beaters—Wire Goods Co., Worcester, Mass.
DOVER oil & ash cans, fog horns, water coolers—Dover Stamping & Mfg. Co., Cambridge, Mass.
DOVER pig iron—Dover Iron Co. Bear Springs, Tenn.
DOW cold rolling disc sharpeners—Gould Balance Valve Co., Kellogg, Ia.
DOW conveyors & package chutes—Dow Wire & Iron Works, Louisville, Ky.
DOWAGIAC fishing rods—Jas. Heddon & Son, Dowagiac, Mich.
DOWAGIAC grain drills—Dowagiac Drill Co., Dowagiac, Mich.
DOWDEN potato diggers—Dowden Mfg. Co., Ltd., Prairie City, Ia.
DOW LAW cotton planters—Towers & Sullivan Mfg. Co., Rome, Ga.
DOWNIE deep well & geared pumps—Keystone Driller Co., Beaver Falls, Pa.
DOWNING card holders—Western Railway Equipment Co., Central Natl. Bank bldg., St. Louis, Mo.
DOYLESTOWN fodder cutters—Doylestown Agricultural Works, Doylestown, Pa.
DRACO cylinder oil—Texas Company, 17 Battery pl, New York
DRAGON carriage axles & automobile springs—Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
DRAGON cement—Lawrence Portland Cement Co., Siegfried, Pa.
DRAGON dextrine, paste, soluble oils, textile finishing gum & size—General Adhesive Mfg. Co., Inc., 469 Greenwich, New York
DRAGON enamel gold paints—Devoe & Raynolds Co., 101 Fulton, New York
DRAGON oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
DRAKE lock nuts & washers—Drake Lock Nut Co., 10th & Folsom, San Francisco Cal.
DRAKE-CASTLE boiler lugs—A. M. Castle & Co., 715 N. Morgan, Chicago, Ill.
DRAPER pneumatic flue welders, expansion joints & flexible joints—Draper Mfg. Co., Port Huron, Mich.
DRAPER & HALL grinders—Draper & Hall Co., Middletown, Mass.
DRAVER scroll mills—Wolf Co., Chambersburg, Pa.
DREADNAUGHT road scrapers—Sidney Steel Scraper Co., Sidney, Ohio
DREADNAUGHT tread and cork mats—La Porte Mat & Mfg. Co., La Porte, Ind.
DREADNOUGHT high speed steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
DREADNOUGHT high speed tool steel—Halcomb Steel Co., Syracuse, N. Y.
DREADNOUGHT interlocking cork tile—Dreadnought Flooring Co., 154 W. 18th, New York
DREADNOUGHT motor top material & rubber coated cloth—L. C. Chase & Co., 89 Franklin, Boston, Mass.
DREADNOUGHT pneumatic tires—Dreadnought Tire & Rubber Co., Eager & 5th, Baltimore, Md.
DREADNOUGHT soap makers' presses—Machinery Designing & Mfg. Co., 656 Hudson, New York
DREADNOUGHT tennis racquets—Harry C. Lee & Co., 91 Chambers, New York
DREDNAUT wire rope—Upson-Walton Co. of N. Y., 291 B'way, New York
DREER'S PEERLESS glazier's points—Henry A. Dreer, 714 Chestnut, Phila., Pa.
DRESSER pipe clamps—S. R. Dresser Mfg. Co., Bradford, Pa.
DREYFUS oil & grease cups—Nathan Mfg. Co., 416 E. 106th, New York
DREXEL brake beams—Chicago Railway Equipment Co., 1928 W. 46th, Chicago, Ill.
DREXEL lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
DRIQUICK paper towels—Union Paper & Twine Co., 125 St. Clair av, N W, Cleveland, O.
DRITHINOL paint oils—Columbia Refining Co., 90 West, New York
DRIWAL waterproofing materials—Billings, Chapin Co., 1163 E 40th, Cleveland, Ohio
DRONSFIELD BROS. card grinding machines—Leigh & Butler, 232 Summer, Boston, Mass.
DROUVE ventilators—G. Drouve Co., 40 Tulip, Bridgeport, Conn.
DRUCKLIEB sand blast barrels & sand blasting helmets—J. M. Betton, 59 Pearl, New York
DRUID PRIMO belting—Druid Oak Belting Co., 111 E. Lombard, Baltimore, Md.

DRUID WATERPROOF belting—Druid Oak Belting Co., 111 E. Lombard, Baltimore, Md.
DRUM Pattern lemon squeezers—Arcade Mfg. Co., Freeport, Ill.
DRYCEIL pipe sleeves—Dryceil Pipe Sleeve Co., 351 Lexington av, New York
DRUID airtight stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
DRYPACK duplex & cloth lined waterproof paper & container boards—W. Ralston & Co., Inc., Niagara Falls, N. Y.
DUAL churns—Owatonna Mfg. Co., Owatonna, Minn.
DUAL kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
DUBL DUTY pile driving hammers—McKiernan & Terry Drill Co., 17 Park row, New York
DU BARRY ivory pyralin toilet articles—The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.
DU BOIS gas engines—Dubois Iron Works, Dubois, Pa.
DU BRUL cigar bunching machines & tobacco scrap cutting machines—Miller, Du Brul & Peters Mfg. Co., 507 E. Pearl, Cincinnati, Ohio
DUBUQUE hot air registers—Loetscher-Ryan Mfg. Co., Dubuque, Ia.
DU CHARME adjustable wrenches, pipe cutters, pipe vises—Superior Tool Co., Cambridge, Ohio
DUCHESS oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
DUCHESS water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
DUCK NEST tuyere irons—Illinois Iron & Bolt Co., Carpentersville, Ill.
DUDE scrubbing brushes—Standard Brush Co., New Hartford, Conn.
DUDLO induction coils—Dudlo Mfg. Co., Ft. Wayne, Ind.
DUFF chain attachment drills—Upton & Gilman Machine Co., Lowell, Mass.
DOUBLE blade chopping knives—Cassaday Fairbank
DUFF gas producers—Duff Patents Co., Frick bldg., Pittsburgh, Pa.
DUFF jacks—Duff Mfg. Co., N. S., Pittsburg, Pa.
DUFF trench braces—Duff Mfg. Co., N. S., Pittsburgh, Pa.
DUFFY wall board—J. P. Duffy Co., 207 E. 138th, New York
DUFFY'S sink strainers—Cassday Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
DUFOUR bolting cloth—Tobler & Co., Inc., 35 S. William, New York
DUGGAN porcelain cleats—Imperial Porcelain Works, Trenton, N. J.
DUKE lubricators—Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
DUKE oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
DUKE water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
DULL fine varnish—Samuel F. Woodhouse, Unity & Franklin, Philadelphia, Pa.
DULL gravel washing & screening plants—Raymond W. Dull Co., 111 W. Washington, Chicago, Ill.
DULL'S electric sign flashers—Reynolds-Dull Flasher Co., 18 S. Wells, Chicago, Ill.
DUM-DUM pipe covering—Arco Co., Euclid av & E. 65th, Cleveland, O.
DUMORE high speed grinders, drills, motors & labor saving devices—Wisconsin Electric Co., 1600 Junction av, Racine, Wis.
DUMPIT sand boxes—J. G. Brill Co., 62nd & Woodland av, Philadelphia, Pa.
DUMPS rubber diaphragms—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
DUMPY levels—Wm. Ainsworth & Sons, Denver, Colo.
DUMPY levels—Bausch & Lomb Optical Co., Rochester, N. Y.
DUMPY levels—Keuffel & Esser Co., Hoboken, N. J.
DUNBAR bidets—J. L. Mott Iron Works, Trenton, N. J.
DUNBAR SPRINGS springs—Dunbar Bros. Co., Bristol, Conn.
DUNCAN transformers & wattmeters—Duncan Electric Mfg. Co., Lafayette, Ind.
DUNDEE cast iron wagon skeins—Illinois Iron & Bolt Co., Carpentersville, Ill.
DUNDON'S cannery retorts—Universal Engineering Co., 462 Fillmore, San Francisco, Cal.
DUNDON'S water tube boilers—Dundon Iron Works, 225 Folsom, San Francisco, Cal.
DUNER car water closets—Duner Co., 101 S. Clinton, Chicago, Ill.
DUNHAM clod crushers & rollers—Dunham Co., Berea, Ohio
DUNHAM heating service—C. A. Dunham Co., 343 S. Dearborn, Chicago, Ill.
DUNLAP wire wheels—Bridgeport Engineering Co., Stratford, Conn.
DUNLAP'S miners' safety lamps—John Dunlap Co., Carnegie, Pa.
DUNLOP pneumatic tires—G. & J. Tire Co., Indianapolis, Ind.
DUNN re-boring tools for engine cylinders—J. Edward Dunn, 9 Bethune, New York
DUNN trench braces—Duff Mfg. Co., Pittsburg, Pa.
DUNN trench braces—Dunn Mfg. Co., Preble av, N. S., Pittsburgh, Pa.
DUNNING steam & hot water heaters—New York Central Iron Works Co., Hagerstown, Md.
DUNN'S mitre clamps — Burgess-Norton Mfg. Co., Geneva, Ill.
DUNSTAN stench traps—Fred. E. Glenn, St. Charles, Ill.
DUO NOZZLE lawn sprinklers—H. B. Sherman Mfg. Co., Battle Creek, Mich.
DUO POINT gas irons—Central Flatiron Mfg. Co., Johnson City, N. Y.
DUPLEX asbestos packing—Empire Tire & Rubber Corp., Trenton, N. J.
DUPLEX automobile brakes—Bridgeport, Conn.
DUPLEX arc lamp mast arms—Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
DUPLEX automobile trunks & collapsible buckets—Planet Co., Westfield, Mass.
DUPLEX boiler feed pumps—Blake Pump & Condenser Co., Fitchburg, Mass.
DUPLEX boiler feeders—Kiely & Mueller, 34 W. 13th, New York
DUPLEX brake bands—Raybestos Co., Bridgeport, Conn.
DUPLEX brick carriers' clamps—Duplex Mfg. & Foundry Co., Elyria, Ohio
DUPLEX car doors & fittings—Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.
DUPLEX catch basins—Hartford Foundry Corporation, Hartford, Conn.
DUPLEX chains—Hatheway Mfg. Co., Bridgeport, Conn.
DUPLEX china painters' palettes—Stirrup Mfg. Co., Market, Newark, N. J.
DUPLEX concrete joist hangers, wall boxes, post caps & bases—Duplex Hanger Co., E. 53rd & Lakeside av, Cleveland, Ohio
DUPLEX corn & cob mills, feed grinding mills—Duplex Mill & Mfg. Co., Springfield, Ohio
DUPLEX door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
DUPLEX eyelet machines—United Shoe Machinery Co., Boston, Mass.
DUPLEX expansion bolts—Isaac Church, East Norwalk, Conn.
DUPLEX fireless cookers—Durham Mfg. Co., Muncie, Ind.
DUPLEX fruit evaporators & hop furnaces—Munnsville Plow Co., Munnsville, N. Y.
DUPLEX garment hangers—Rocky Hill Hardware Co., Rocky Hill, Conn.
DUPLEX gin saw-filing machines—A. A. Wood & Sons Co., Atlanta, Ga.
DUPLEX log turners—Edwards Mfg. Co., Laceyville, Pa.
DUPLEX metal key faucets—John Sommer Faucet Co., 355 Central av, Newark, N. J.
DUPLEX milling machines—W. B. Knight Machinery Co., 3920 W. Pine blvd, St. Louis, Mo.
DUPLEX mitre & clamping machines, molding sander machines, veneer drying machines — Duplex Moulding Sander Co., Hornell, N. Y.
DUPLEX paint & white wash spraying machines & ratchet handle pumps—F. E. Myers & Bro., Ashland, Ohio
DUPLEX pipe cutting & threading machines—Bignall & Keeler Machine Works, Edwardsville, Ill.
DUPLEX post caps—Jos. Stolz & Son, 1841 E. 136th, New York
DUPLEX postage stamp vending machines—Midland Supply Co., Davenport, Ia.
DUPLEX pumping jacks & tank heaters & windmills—Duplex Mfg. Co., Superior, Wis.
DUPLEX rod boring machines — Newton Machine Tool Works, 23rd & Vine, Phila., Pa.
DUPLEX safety pins—Consolidated Safety Pin Co., Bloomfield, N. J.
DUPLEX safety valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
DUPLEX sand sifters—Rich Fdry. Equipment Co., 2528 W 48th Place, Chicago, Ill.
DUPLEX sash operating device—Payson Mfg. Co., 2918 W. Jackson blvd, Chicago, Ill.
DUPLEX seals—Keystone Seal & Press Co., 30 Main, Brooklyn, N. Y.
DUPLEX sewage ejectors—Chicago Pump Co., 2342 Wolfram, Chicago, Ill.

DUPLEX stock, dies, thread cutting tools, tap wrenches, taps, die & screw plates—Hart Mfg. Co., Cleveland, Ohio
DUPLEX stove pipes & elbows—Hemp & Co., Vandeventer nr. Shaw, St. Louis, Mo.
DUPLEX telegraph apparatus—J. H. Bunnell & Co., 32 Park pl, New York
DUPLEX tube scrapers—Sherwood Mfg. Co., 1710 Elmwood av, Buffalo, N. Y.
DUPLEX vacuum cleaners—Ramey Co., Chillicothe, Ohio
DUPLEX water heaters—A. D. Gordon, 231 Franklin, Buffalo, N. Y.
DUPLEX weighing machines—E. Edtbauer, 817 Washington blvd, Chicago, Ill.
DUPLEX wire stretchers—Burgess-Norton Mfg. Co., Geneva, Ill.
DUPLEX stuff pumps—Dillon Machine Co., Lawrence, Mass.
DUPLEX CONE blowers, fans, ventilating apparatus—Howard & Morse, 45 Fulton, New York
DUPLEX CROWN steam & hot water heaters—U. S. Heating & Plbg. Co., 744 W. Court, Cincinnati, O.
DUPLIMERGE thermometers—C. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
DU PONT blasting powder, explosives, blasting caps, cap crimpers, connecting wire, electric squibs, thawing kettles, blasting supplies, leading wire, rheostats, galvanometers, blasting machines, tamping bags, fireworks powder, hand trap (for throwing clay targets), electric, waterproof electric & delay electric blasting caps & Du Pont delay electric igniters—du Pont de Nemours & Co., (E. I.), Wilmington, Del.
DU PONT chemicals—Du Pont Chemical Works, Wilmington, Del.
DU PONT BULK shot gun powders (for export only)—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
DU PONT DENSE shot gun powder (for export only)—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
DU PONT No. 1 smokeless rifle powder—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
DU PONT PISTOL POWDER No. 3—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
DU PONT RIFLE powder—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
DUPREE tank lugs—T. W. Snow Construction Co., 117 N. Dearborn, Chicago, Ill.
DUQUESNE graphite paints—W. W. Lawrence Co., Pittsburgh, Pa.
DUQUESNE hunters' axes—American Axe & Tool Co., Glassport, Pa.
DUQUESNE metal polish—Duquesne Polish Co., 53 S. 15th, Pittsburgh, Pa.
DUQUESNE rail points—Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
DURABELLE signal flag bunting—Textile Products Mfg. Co., Park av & Dolman, St. Louis, Mo.
DURABESTOS asbestos packing, water gauge glasses, ets.—United Asbestos & Packing Co., 629 Washington blvd, Chicago, Ill.
DURABLA packing, gaskets, valve discs—Durabla Mfg. Co., 114 Liberty, New York
DURABLE asphalt roofing—McHenry-Millhouse Mfg. Co., South Bend, Ind., & Fulton, N. Y.
DURABLE pot cleaners—John Ritzenthaler, 73 Franklin, New York
DURABLE rubber sheet packing—Acme Rubber Mfg. Co., Trenton, N. J.
DU-RA-BUL carbon paper & typewriter ribbons—Republic-Dodge Mfg. Co., 188 3rd av, Brooklyn, N. Y.
DURACO asbestos packing & water gauge glasses—United Asbestos & Packing Co., 629 Washington blvd., Chicago, Ill.
DURADUCT flexible metallic conduits—Tubular Woven Fabric Co., Pawtucket, R. I.
DURAFLEX shoe covers—Endura Mfg. Co, 63rd & Eastwick av, Phila., Pa
DURAGRAPH time recorders & cost keeping system clocks—Automatic Time Stamp Co., 159 Congress, Boston, Mass.
DURALITE varnishes—Atlantic Varnish Works, Inc., Richmond, Va.
DURAM vacuum air valves—Imperial Brass Mfg. Co., 524 S. Racine av, Chicago, Ill.
DURAND steel lockers —Durand-Steel Locker Co., 76 W. Monroe, Chicago, Ill.
DURANT revolution counters—Durant Mfg. Co., 655 Buffum, Milwaukee, Wis.
DURATEX artificial leather—Duratex Co., 768 Frelinghuysen av, Newark, N. J.
DURATEX cords for switchboards & telephones—Stromberg Carlson Tel. Co., Rochester, N. Y.



DURATOP artificial leather—Duratex Co., 768 Frelinghuysen av, Newark, N. J.
DURBON carbon paints—Chas. Moser Co., Cincinnati, Ohio
DURCO wood preservatives—Duryea Mfg. Co., Bayonne, N. J.
DURECO forge blowers—National-Standard Co., P. O. Box 211, Niles, Mich.
DURHAM drainage systems—E. Baggot Co., 21 E. Lake, Chicago, Ill.
DURHAM floor flanges—Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
DURIRON acid castings, acid proof pipe & jets & stirrers, valves, chemical pans, steam ejectors, pumps, acid eggs & cocks—Duriron Castings Co., Dayton, Ohio
DURISTO paints—Duristo Paint Co., Newport News, Va.
DURKEE electric rock drills—Mine & Smelter Supply Co., 42 Broadway, New York
DURKEE eye magnets—Holz & Co., Inc., 18 Madison av, New York
DURKIN AUTOMOTONEER handles—Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
DURO belting—Duckwall Belting & Hose Co., 201 N. West, Indianapolis, Ind.
DURO blow-off valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
DURO electric house pumps & water supply systems—Burnett Larsh Mfg. Co., Dayton, Ohio
DURO flexible cords—Chas. H. McElvoy, Lowell, Mass.
DURO range boilers—Wolff Mfg. Co., 255 N. Hoyne av, Chicago, Ill.
DURO rubber roofing—Union Paper & Twine Co., 125 St. Clair av, N. W., Cleveland, Ohio
DURO storage batteries—Vivax Storage Battery Co., 219 E. 24th, Chicago, Ill.
DURO welded tanks, knock down tanks, grain bins, & silos—C. C. Fouts Co., Middletown, Ohio
DUROIL asbestos packing & water gauge glasses, etc.—United Asbestos & Packing Co., 629 Washington blvd., Chicago, Ill.
DUROLOID cement mill & ore balls & liners—Los Angeles Foundry Co., Los Angeles, Cal.
DUROTAG thermometers—Chas. J. Tagliabue Mfg. Co., 18 33rd, Brooklyn, N. Y.
DURTOUT priming cups—C. E. Duryea Co., Saginaw, Mich.
DUST DOOM sweeping compounds—J. F. Herne Co., Sanford, Boston, Mass.
DUSTDOWN sweeping compounds—Fitch Dust Down Co., 1028-36 W. Front, Cincinnati, Ohio
DUSTINE sweeping compounds—Velvetta Mfg. Co., 142 N. 4th, Philadelphia, Pa.
DUSTITE respirators—Walter Soderling, Inc., 347 W. B'way, New York
DUSTOLINE road preservatives—Dustoline for Roads Co., Summit, N. J.
DUSTOLINE sweeping compounds—Continental Mfg. Co., Indianapolis, Ind.
DUTCH BOY white & red lead & linseed oil—National Lead Co., 111 Broadway, New York
DUTCH BOY PHOENIX babbit metal—National Lead Co., 111 B'way, New York
DUTCHER loom temples—Draper Corp., Hopedale, Mass.
DUTCHESS cotton planting drills—Moline Plow Co., Moline, Ill.
DUTCHESS garden barrows—Thos. McWhinnie, Poughkeepsie, N. Y.
DUTCHESS rubber hose—New York Rubber Co., Reade & Church, New York
DUTTON sickel grinders—Cutaway Harrow Co., Higganum, Conn.
DUVAL bidets—J. L. Mott Iron Works, Trenton, N. J.
DUVAL metallic packing—Power Specialty Co., 111 Broadway, New York
DUX-BAC metallic shingles—Eller Mfg. Co., Canton, O.
DUXBAK belting & belt lacing—Chas. A. Schieren & Co., 30 Ferry, New York
DUX DE LUX water proof paper—Hollingsworth & Whitney Co., 185 Devonshire, Boston, Mass.
DUX-FUT baseball gloves—Chicago Sporting Goods Mfg. Co., 211 N. Carpenter, Chicago, Ill.
DWARF oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
DWIGHT slate marking machines—Noble & Westbrook Mfg. Co., Hartford, Conn.
DWIGHT SLATE drilling machines—Bilton Machine Tool Co., Bridgeport, Conn.
D-X bridle rings—Diamond Expansion Bolt Co., 89 West, New York
DYAR portable air compressors, sand & gravel heaters & dryers—Dyar Supply Co., 66 B'way, Cambridge, Mass.

DYBIE reversing valves—Morgan Construction Co., Worcester, Mass.
DYER multiple effects evaporators—Dyer Co., 2031 Euclid av, Cleveland, Ohio
DYER trolley ears—Chester Ry. Supply Co., Chester. Pa.
DYNALITE dynamite—American Dynalite Co., Amherst, Ohio
DYNAMO leather belting—U. S. Nott Co., 2nd av & 3rd, Minneapolis, Minn.
DYNAMO mill & factory supplies—Moloney Belting Co., 130 N. Franklin, Chicago, Ill.
DYNAMO sheet metal brushes—Perfection Supply Co., 98 Park pl, New York
E. B. alloy & carbon steel—Atlas Crucible Steel Co., Dunkirk, N. Y.
E-B agricultural implements—Emerson-Brantingham Co., Rockford, Ill.
E. B. OSBORNE knife grinders, reapers, reaping attachments, hay rakes & tools, mowers, corn, grain, truck & twine binder—Emerson-Brantingham Co., Rockford, Ill.
E. C. smokeless shotgun powders—Hercules Powder Co., Wilmington, Del.
E. D. wagon gears—E. D. Gear Mfg. Co., Westfield, N. Y.
E. E. B. canopy insulators—E. E. Bechtold, 1928 Wabash av, Chicago, Ill.
E. G. B. commutator compounds—Troy Electrical Co., Troy, N. Y.
E. H. gas burners—D. M. Steward Mfg. Co., Chattanooga, Tenn.
E. I. C. spark plugs—Post & Lester Co., Hartford, Conn.
E.-I.-E. staybolt iron—Ewald Iron Co., Louisville, Ky.
E. J. E. foundry cupolas—E. J. Etting, Land Title bldg., Phila., Pa.
E. K. & M. can body making & soldering machines—Seattle-Astoria Iron Works, Seattle, Wash.
E. M. TALOR automobile wind shields—English & Mersick Co., New Haven, Conn.
E. S. elevator guide lubricators—Elevator Supplies Co., Hoboken, N. J.
E. S. E. blow-off valves—Sargent Co., 625 W. Jackson blvd, Chicago, Ill.
E. Z. bed springs—Lewis-Weller Mfg. Co., Utica, N. Y.
E-Z brazing & welding compounds—Anti-Borax Compound Co., Fort Wayne, Ind.
E. Z. desk telephone brackets—American Electric Co., 6401 S. State, Chicago, Ill.
E-Z furnace cleaners—Federal Stamping Co., Holland, Mich.
E-Z hand vacuum cleaners—Warner Co., Muncie, Ind.
E. Z. jacks—Oliver Mfg. Co., 326 S. Desplaines, Chicago, Ill.
E. Z. nail pullers—Bradley & Farnham, Middlefield, Conn.
E. Z. paint & varnish remover—D. B. Crockett, Bridgeport, Conn.
E. Z. polishes—Martin & Martin, 3005 Carroll, Chicago, Ill.
E Z rug exhibitors—Consolidated Carpet Sewing Machine Co., Bridgeport, Conn.
E-Z swinging hose racks—Chas. Nuhring & Bros., 1212 Walnut, Cincinnati, Ohio
E-Z switch boxes—Economy Switchbox & Mfg. Co., Cleveland, Ohio
E-Z tire air pumps—A. Wissler Instrument Mfg. Co., Broadway & Wash. av, St. Louis, Mo.
E-Z wringer mops—U. S. Mop Co., Toledo, Ohio
E. Z. C. thermometers—C. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
E-Z-KETCH rat traps—E-Z Mfg. Co., Galesburg, Ill.
E. Z. Q. metal polish—Bobrick Chemical Co., Los Angeles, Cal.
E-Z SEAL fruit jars—Hazel Atlas Glass Co., Wheeling, W. Va.
E. Z. SET boring tools—Unity Mfg. Co., 4227 Lorain av, Cleveland, Ohio
E. Z. WAY storm sash hangers—W. J. Dennis & Co., 2120 W. Lake, Chicago, Ill.
E Z Y egg & cream beaters—Holt-Lyon Co., Tarrytown, N. Y.
E. & A. electric furnaces & filter paper—Eimer & Amend, 205 3rd av, New York
E. & J. oil marine lamps—Edmunds & Jones Corp., 436 Lawton, Detroit, Mich.
E. & K. lubricating oils & greases—R. J. Kanter Co., 647 Water, New York
EACO insulating tape—Electric Appliance Co., 701 W. Jackson blvd., Chicago, Ill.
EAGLE alkali, bi-carbonate of soda, caustic soda, sap stain preventive—Mathieson Alkali Works, 53 Canal, Providence, R. I.
EAGLE anvils—Fisher & Norris, Trenton, N. J.
EAGLE asphalt roofing—Schillinger Bros. Co., Detroit, Mich.
EAGLE belt fasteners—Manufacturers' Belt Hook Co., 1321 W. Congress, Chicago, Ill.
EAGLE belt rivets—Plume & Atwood Mfg. Co., Waterbury, Conn.
EAGLE boiler injectors — Sherwood Mfg. Co., 1710 Elmwood av, Buffalo, N. Y.
EAGLE carbon paper & typewriter ribbon—American Ribbon & Carbon Co., Rochester, N. Y.
EAGLE carriage bolts—Clinton E. Hobbs, 12 Pearl, Boston, Mass.
EAGLE cement—Cape Girardeau Portland Cement Co., Cape Girardeau, Mo.
EAGLE chain repair links—Thos. Laughlin Co., Portland, Ore.
EAGLE cotton ginning machinery—Continental Gin Co., Birmingham, Ala.
EAGLE dry pans—Eagle Iron Works, Des Moines, Ia.
EAGLE dry pans—Fernholtz Brick Machinery Co., Boyle & Vandevant av, St. Louis, Mo.
EAGLE faucets & washer cutters—Chas. I. Allen, Pequabuck, Conn.
EAGLE files—Nicholson File Co., Providence, R. I.
EAGLE fire hose—Eureka Fire Hose Mfg. Co., 27 Barclay, New York
EAGLE fluting machines—North Bros. Mfg. Co., Lehigh av & American, Phila., Pa.
EAGLE fly traps—Reynolds Wire Co., Dixon, Ill.
EAGLE fly traps—Wickwire Spencer Steel Corp., Worcester, Mass.
EAGLE gasoline engines & fodder cutters & tractors—Eagle Mfg. Co., Appleton, Wis.
EAGLE glue—International Glue Co., 201 Devonshire, Boston, Mass.
EAGLE grease buckets & sewer buckets—Eagle Mfg. Co., Wellsburg, W. Va.
EAGLE hay carriers—Appleton Hay Tool Co., Appleton, Wis.
EAGLE lamp black—L. Martin Co., 81 Fulton, New York
EAGLE lawn mowers—Philadelphia Lawn Mower Co., 3101 Chestnut, Phila., Pa.
EAGLE lawn swings—A. Buch's Sons Co., Elizabethtown, Pa.
EAGLE lubricating oils & Greases—Swan & Finch Co., 165 B'way, New York
EAGLE lunch boxes—Reading Saddle & Mfg. Co., Reading, Pa.
EAGLE marine engines—Torrington Co., The Standard Plant, Torrington, Conn.
EAGLE miners' safety lamps—Geo. T. Anton & Bro., Monongahela, Pa.
EAGLE oil & grease cups—Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
EAGLE oil stoves & heaters—Grinberg Bros., 154 South, New York
EAGLE packing—Revere Rubber Co., Chelsea, Mass.
EAGLE packing, hose—Empire Tire & Rubber Corp., Trenton, N. J.
EAGLE plumbers' solder—Eagle Picher Lead Co., 208 S. La Salle, Chicago, Ill.
EAGLE roof snow guards—J. H. Fulmer, Nazareth, Pa.
EAGLE rubber covered wire—Marion Insulated Wire & Rubber Mfrs.—Marion, Ind.
EAGLE rubber horse shoe pads—Firestone Tire & Rubber Co., Akron, Ohio
EAGLE shoe blacking & polishes—American Shoe Polish Co., 20th & Troy, Chicago, Ill.
EAGLE springs—Miller & Van Winkle, 18 Bridge, Brooklyn, N. Y.
EAGLE stocks and dies—American Tap & Die Co., Greenfield, Mass.
EAGLE stove clay—Williams Stove Lining Co., Taunton, Mass.
EAGLE stove polish—Nickel Plate Stove Polish Co., 362 E. Illinois, Chicago, Ill.
EAGLE tungsten lamps—Boston-Economy Lamp Div. National Lamp Works of G. E. Co., 43 Hospital, Providence, R. I.
EAGLE upholsterers' tacks—Turner & Seymour Mfg. Co., Torrington, Conn.
EAGLE varnish—Emil Calman & Co., 100 William, New York
EAGLE wax tapers—Columbia Wax Works, 751 E. 137th, New York
EAGLE white lead in oil; red lead—The Eagle Picher Lead Co., 208 S. La Salle, Chicago, Ill.
EAGLE wood fibre plaster—American Cement Plaster Co., Lawrence, Kan.
EAGLE wringers—Eagle Woodenware Mfg. Co., Hamilton, Ohio
EAGLEINE disinfectants, lubricating oils & greases, & packing—Eagle Oil & Supply Co., 45 India, Boston, Mass.
EAGLEINE HOLDFAST belt dressing—Eagle Oil & Supply Co., 45 India, Boston, Mass.
EAGLE PASTE stove polish—Williams Stove Lining Co., Taunton, Mass.

EAGLE SAIL cotton twine—Fulton Bag & Cotton Mills, Atlanta, Ga.
EAMES halter trimmings—Frazer & Jones Co., Syracuse, N. Y.
EAMES rubber diaphragms—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
EARLE lace leather cutters—Greene, Tweed & Co., 109 Duane, New York
EARLES'S ventilators—Berger Bros. Co., 229 Arch, Phila., Pa.
EARLE'S ventilators—Pullman Automatic Ventilator Mfg. Co., York, Pa.
EARLEY steam & hot water heaters—Wm. Earley, 1216 Ridge av, Philadelphia, Pa.
EARLY BIRD contractors' plows—Slusser-McLean Scraper Co., Sidney, Ohio
EARLY BIRD riding listers—St. Joseph Plow Co., St. Joseph, Mo.
EARLY'S commutator compounds—Edw. E. Early Co., Canton, Ohio
EASE rubber heels—Boston Woven Hose & Rubber Co., Cambridge, Mass.
EASE-ON belt dressing—Mt. Vernon Belting Co., 333 Warren av, Baltimore, Md.
EASIEST WAY clothes washing machines—Easiest Way Mfg. Co., Sandusky, Ohio
EASTERN hame tips—Frazer & Jones Co., Syracuse, N. Y.
EAST INDIA cochin oils—Welch, Holme & Clark Co., 383 West, New York
EAST LAKE hip ornamental shingles—W. J. Burton Co., Junction & Federal, Detroit, Mich.
EASTMAN cloth cutting machines—Eastman Machine Co., 779 Washington, Buffalo, N. Y.
EASTMAN'S marble—Tompkins Kiel Marble Co., 505 5th av, New York
EASTON water closet—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
EASTON'S furniture polish—Bridgeport Wood Finishing Works (Du Pont), Phila., Pa.
EASY bench punches—Butts & Ordway Co., 33 Purchase, Boston, Mass.
EASY bolt clippers—H. K. Porter, 6 Ashland, Everett, Mass.
EASY car movers—E. H. Stafford Mfg. Co., 218 S. Wabash av, Chicago, Ill.
EASY cultivators—Ohio Cultivator Co., Bellevue, Ohio
EASY door hangers—Lawrence Bros., Sterling, Ill.
EASY hay presses—W. H. Stopple, Dallas, Tex.
EASY lawn mowers—Blair Mfg. Co., Springfield, Mass.
EASY lemon squeezers—H. C. Hart Mfg. Co., Unionville, Conn.
EASY swatters—Parker Wire Goods Co., Worcester, Mass.
EASYBRIGHT metal polish, stove polish—B. F. Stinson Co., Buffalo, N. Y.
EASY CUTTING hoof parers—Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.
EASY EMPTYING grass catchers—Specialty Mfg. Co., 2362 University av, St. Paul, Minn.
EASY FLOW oil cans—Bumann Mfg. Co., Litchfield, Ill.
EASY GRIP EXTENSION hack saw frames—West Haven Mfg. Co., West Haven, Conn.
EASY HOLD punches and nail sets—West Haven Mfg. Co., West Haven, Conn.
EASY LIFT sad iron handles—Reading Saddle & Mfg. Co., Reading, Pa.
EASY LIFT walking & riding cultivators—Kingman Plow Co., Peoria, Ill.
EASYLOCK stove pipe & elbow—Jackes-Evans Mfg. Co., Main & Tyler, St. Louis, Mo.
EASY MONEY riding listers, easy rider stalk cutters—Moline Plow Co., Moline, Ill.
EASY RIDER stalk cutters—Moline Plow Co., Moline, Ill.
EASY-SETTING WOOD CHOKER rat traps—Lovell Mfg. Co., Erie, Pa.
EASY TASK washboards—John A. Lawn, Lewistown, Pa.
EASY WAY cultivators—Racine-Sattley Co., Springfield, Ill.
EASY WAY hay loaders—Sandwich Mfg. Co., Sandwich, Ill.
EATON axes—Dunn Edge Tool Co., Oakland, Me.
EBERHARDT lathe tools & tool holders—Union Tool Co., Orange, Mass.
EBINGER urinal stalls—D. A. Ebinger Sanitary Mfg. Co., 181 Lucas, Columbus, O.
EBONBLAK QUALITY finishes—Chicago Varnish Co., 2100 Eleston av, Chicago, Ill.
EBONITE gaskets, air drills hose, packing, tubing, pump valves—Quaker City Rubber Co., 629 Market, Phila., Pa.
EBONITE lacquer—Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
EBONY round belting—Missouri Belting Co., Grand & La Salle, St. Louis, Mo.
EBONY window screen cloth—New Jersey Wire Cloth Co., Trenton, N. J.
EBSEN oil extractors—Griscom-Russell Co., 92 West, New York
ECCENTRIC mills for enamel—Chas. Ross & Son Co., 148 Classon av, Brooklyn, N. Y.
ECCENTRIC spark timers—A. R. Mosler & Co., Mt. Vernon, N. Y.
ECHO spark plugs—Electrolamp Co., Detroit, Mich.
ECHO toys, games & novelties—Bregwoodkro Stamping & Mfg. Co., Lorain, Ohio
ECHOLS thread taps—Pratt & Whitney Co., Hartford, Conn.
ECK HURRICANE fans & motors—Eck Dynamo & Motor Co., Belleville, N. J.
ECKLIFF automatic boiler circulators—Eckliff Automatic Boiler Circulator Co., 48 Shelby, Detroit, Mich.
ECKO confectioners' gas furnaces—Edw. Katzinger Co., 122 N. Peoria, Chicago, Ill.
ECKSTROMER storage batteries—American Storage Battery Co., Albro, Boston, Mass.
ECLIPSE adjustable chain wrenches—Hilts Wrench & Mfg. Co., Richford, N. Y.
ECLIPSE air brushes—Eclipse Air Brush & Compressor Co., 79 Orange, Newark, N. J.
ECLIPSE annealing furnaces, melting furnaces & glue heaters—Eclipse Fuel Engineering Co., 100 Forbes, Rockford, Ill.
ECLIPSE bakers' bread mixers—Sumner Mfg. Co., Boston, Mass.
ECLIPSE boiler & locomotive injectors—Jas. A. Griffiths, 1317 Buttonwood, Phila., Pa.
ECLIPSE bottom dumping buckets—Lakewood Engineering Co., Cleveland, Ohio
ECLIPSE box straps—Dehaven Mfg. Co., 50 Columbia Hgts, Brooklyn, N. Y.
ECLIPSE bread mixers—Manning, Bowman & Co., Meriden, Conn.
ECLIPSE brushes—A. L. Sonn Brush Co., Troy, N. Y.
ECLIPSE car fenders & wheel guards—Eclipse Railway Supply Co., 4824 Payne av, Cleveland, Ohio
ECLIPSE carbureters—Generator Valve Co., 47 Dinsmore pl, Brooklyn, N. Y.
ECLIPSE ceiling hooks—E. Jencks Mfg. Co., Worcester, Mass.
ECLIPSE centrifugal pumps—United Iron Works, Oakland, Cal.
ECLIPSE china painters' palettes—Stirrup Mfg. Co., Inc., Market, Newark, N. J.
ECLIPSE closet seats—C. F. Church Mfg. Co., Holyoke, Mass.
ECLIPSE cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
ECLIPSE Corliss engines—Frick Co., Waynesboro, Pa.
ECLIPSE cotton mops—C. H. Ellert, Evansville, Ind.
ECLIPSE cotton planters—S. R. White's Sons, Norfolk, Va.
ECLIPSE cotton rope—Anniston Cordage Co., Anniston, Ala.
ECLIPSE cultivators—J. I. Case Plow Works, Racine, Wis.
ECLIPSE currycombs—New York Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
ECLIPSE disc harrows—Thompson Plow & Engine Works, Beloit, Wis.
ECLIPSE door checks—Sargent & Co., New Haven, Conn.
ECLIPSE electric bells—P. R. Mfg. Co., Detroit, Mich.
ECLIPSE electric illuminated signs—Kanneberg Roofing & Ceiling Co., Canton, Ohio
ECLIPSE electric lamp flashlights—Universal Novelty Works, 164 5th av, New York
ECLIPSE emery grinders—Myers Mach. Tool Co., Columbia, Ohio
ECLIPSE fanning mills—Johnson & Field Mfg. Co., Racine, Wis.
ECLIPSE faucets—Chas. I. Allen, Pequabuck, Conn.
ECLIPSE finger nail clippers—Chas. Geider, Jr., Ansonia, Conn.
ECLIPSE fire hose reels—Wirt & Knox Mfg. Co., 23rd & York, Phila., Pa.
ECLIPSE fire hydrants, shoe blacking foot rests, shoe lasts & stands, shoemaker's hammers—John C. Kupferle Foundry Co., 1st & Wright, St. Louis, Mo.
ECLIPSE folding wall clothes dryers, ironing boards & towel bars—Eclipse Co., North Girard, Pa.
ECLIPSE gas heaters, ranges, laundry stoves, match safes—Eclipse Gas Stove Co., Rockford, Ill.
ECLIPSE gas stoves & steel ranges—Eclipse Stove Co., Mansfield, Ohio

ECLIPSE gas & gasoline pumping engines, pumps, windmills, clutches, asphalt roofing, friction clutch couplings & pulleys—Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
ECLIPSE gasoline engines—Harms Bros., 1730 Thames, Baltimore, Md.
ECLIPSE hand corn planters—F. E. Kohler Co., Canton, Ohio
ECLIPSE hickory handles—Hartwell Handle Co., Harvey, Ill.
ECLIPSE hose nozzles & rubber heels—Boston Woven Hose & Rubber Co., Cambridge, Mass.
ECLIPSE hot air furnaces—Buckwalter Stove Co., Royersford, Pa.
ECLIPSE incandescent gas mantles—Eclipse Light Co., 583 B'way, New York
ECLIPSE incubators & brooders—Des Moines Incubator Co., Des Moines, Ia.
ECLIPSE kitchen knives—Christy Knife Co., Fremont, Ohio
ECLIPSE lawn mowers—Eclipse Lawn Mower Co., Prophetstown, Ill.
ECLIPSE marine engines—Harms Bros., 1730 Thames, Baltimore, Md.
ECLIPSE marking inks—Binney & Smith Co., 81 Fulton, New York
ECLIPSE mortar color—Chattanooga Paint Co., Chattanooga, Tenn.
ECLIPSE oil cabinets & tin oil pumps—R. E. Chapin Mfg. Works, Batavia, N. Y.
ECLIPSE packing—General Asbestos Rubber Co., Charleston, S. C.
ECLIPSE paint & varnish remover—Gould & Cutler, 45 Sudbury, Boston, Mass.
ECLIPSE paints—Reisenmann Mfg. Co., Franklin, Pa.
ECLIPSE paper hanger trimmers—A. Allen & Co., 2001 Carpenter, Phila., Pa.
ECLIPSE pipe hooks—Thos. Devlin Mfg. Co., 3rd & Lehigh av, Phila., Pa.
ECLIPSE pneumatic ink wells—General Eclipse Co., Danielson, Conn.
ECLIPSE pneumatic rock drills—C. H. Shaw Pneumatic Tool Co., Denver, Colo.
ECLIPSE portable grain elevators—O'Neil, T. L., Implement Co., Marseilles, Ill.
ECLIPSE pump governors, pipe hangers, steam traps & valves—Hughson Steam Specialty Co., W. 21st & S. Racine av, Chicago, Ill.
ECLIPSE roll paper cutters—Hilts Wrench & Mfg. Co., Richford, N. Y.
ECLIPSE safety fuse, special taped safety fuse—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
ECLIPSE smoke indicators—Boiler Room Equipment Co., 8 S. Dearborn, Chicago, Ill.
ECLIPSE smoke indicators—G. L. Simond & Co., 230 S. La Salle, Chicago, Ill.
ECLIPSE spray pumps—Morrill & Morley Mfg. Co., Benton Harbor, Mich.
ECLIPSE springs, hooks, brush holders, kitchen wire goods, stove lid lifters, pokers, towel rods, wire products, locks—Wickwire Spencer Steel Corp., Worcester, Mass.
ECLIPSE steel wire mats—La Porte Mat & Mfg. Co., La Porte, Ind.
ECLIPSE stove pipe thimbles—Eclipse Metal Mfg. Co., Eden, N. Y.
ECLIPSE stone unloaders—Galion Iron Works & Mfg. Co., Galion, Ohio
ECLIPSE time stamps—A. D. Joslin Mfg. Co., 223 W. Erie, Chicago, Ill.
ECLIPSE valves—Illinois Engineering Co., W. 21st & S. Racine av, Chicago, Ill.
ECLIPSE wagon jacks—Torrey Bros. Co., Central Village, Conn.
ECLIPSE waste oil presses—Strong Machinery & Supply Co., 21 Walker, New York
ECLIPSE wire stretchers—Milwaukee Hay Tool Co., Milwaukee, Wis.
ECLIPSE, 4 LEVER padocks—Slaymaker Lock Co., Lancaster, Pa
ECLIPSE, 6 LEVER padlocks—Slaymaker Lock Co., Lancaster, Pa.
ECLO motor boats, launches & yachts—Elco Co., Bayonne, N. J.
ECLYPSE drill chucks—Nielson-Barton Chuck Co., 106 S. Jefferson, Chicago, Ill.
ECO electric door switches—Edwards & Co., Exterior av & 140th, New York
ECO piston rings—Eco Mfg. Co., Exchange bldg., Boston, Mass.
ECONO expanded metal—North Western Expanded Metal Co., Old Colony bldg, Chicago, Ill.
ECONOMIC boilers—Erie City Iron Works, Erie, Pa.
ECONOMIC bottle washing machinery—Loew Mfg. Co., 9100 Madison av, N. W., Cleveland, Ohio
ECONOMIC electric pumps—Bleyle Electric Co., 84 Cortlandt, New York
ECONOMIC house heating boilers—Frank Prox Co., Terre Haute, Ind.
ECONOMIC lead melting furnaces—A. P. Smith Mfg. Co., East Orange, N. J.
ECONOMIC lime spreaders—Hench & Dromgold Co., York, Pa.
ECONOMIC wool oil—Swan & Finch Co., 165 B'way, New York
ECONOMICAL cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
ECONOMIZER gas engines—H. L. Chapman, Marcellus, Mich.
ECONOMY belt shifters—L. T. Hagan, Winchester, Ky.
ECONOMY bread & cake mixers—L. A. Carpenter Press Metal Co., Cambridge, Mass.
ECONOMY clothes washing machines—Ohio Pump & Brass Co., Columbus, Ohio
ECONOMY cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
ECONOMY cold saw cutting off & electric driver & structural steel shaped saws, hack saws, saw blades & frames, circular for metal cutting off—W. Roberson Machine & Foundry Co., 56 Rano, Buffalo, N. Y.
ECONOMY corkboard insulation—United Cork Co., 50 Church, New York
ECONOMY cotton mops—C. H. Ellert, Evansville, Ind.
ECONOMY cutting & drilling compounds & valve grinding compounds—White & Bagley Co., Worcester, Mass.
ECONOMY desk telephone brackets—American Electric Co., 6401 S. State, Chicago, Ill.
ECONOMY disc harrows, seeders & sowers & seeder attachments—Moline Plow Co., Moline, Ill.
ECONOMY drag line excavators, dredging buckets, sewer & trench & excavating machines—Gage Excavating Co., Iowa Falls, Ia.
ECONOMY electric bells—Edwards & Co., Exterior av & 140th, New York
ECONOMY extension clothing carriers—Knape & Vogt Mfg. Co., Grand Rapids, Mich.
ECONOMY foot guards, headrods & switch points—Economy Separable Switch Point Co., Louisville, Ky.
ECONOMY fuel gas burners—Chatfield & Sharp, Jamestown, N. Y.
ECONOMY garbage disposal plants—Guardian Gas Appliance Co., 3409 Superior, Cleveland, Ohio
ECONOMY gas ranges—Economy Stove Co., 2108 Superior, Cleveland, Ohio
ECONOMY gasoline gas machines—Economy Gas Machine Co., Rochester, N. Y.
ECONOMY gasoline lighting systems—Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.
ECONOMY grinding hoods—Kirk & Blum Mfg. Co., 2850 Spring Grove av, Cincinnati, Ohio
ECONOMY mailing bags—Bemis Bro. Bag Co., 601 S. 4th, St. Louis, Mo.
ECONOMY manganese bronze rods—Economy Welding Machine Co., Kansas City, Mo.
ECONOMY manual training benches—Economy Mfg. Co., 508 Commerce, Phila., Pa.
ECONOMY oil filters—G. W. Galloway, 322 Pearl, New York
ECONOMY pipe joint cements—Modern Iron Works, Quincy, Ill.
ECONOMY poultry fountains—Oakes Mfg. Co., Tipton, Ind.
ECONOMY railroad tie plates—Spencer, Otis Co., 80 E. Jackson blvd, Chicago, Ill.
ECONOMY railroad tie plates—Whitaker-Glessner Co., Wheeling, W. Va.
ECONOMY refillable cartridge fuses, fuse links, miscellaneous electric fuses—Economy Fuse & Mfg. Co., Greenview av at Diversey, Parkway, Chicago, Ill.
ECONOMY rigid steel conduits—National Metal Molding Co., 1110 Fulton bldg., Pittsburgh, Pa.
ECONOMY steam turbines & turbo blowers—Kerr Turbine Co., Wellsville, N. Y.
ECONOMY steam & hot water heaters—Pittsburgh Water Heater Co., Jenkins bldg., Pittsburgh, Pa.
ECONOMY steel corn cribs—Walker Mfg. Co., Council Bluffs, Ia.
ECONOMY stove pipes & elbows—A. Geisel Mfg. Co., 219 S. 2nd, St. Louis, Mo.
ECONOMY stoves—Comstock-Castle Stove Co., Quincy, Ill.
ECONOMY street flushing machines—O'Neil, T. L. Co., Marseilles, Ill.
ECONOMY surveyors' compasses—Eugene Dietzgen Co., 166 W. Monroe, Chicago, Ill.

ECONOMY switch stands—Am. Valve & Meter Co., Cincinnati, Ohio
ECONOMY tank heaters—Dayton-Dowd Co., Quincy, Ill.
ECONOMY toggles—Economy Toggle Co., 21 Storer, Boston, Mass.
ECONOMY waste baling presses—Economy Baler Co., Ann Arbor, Mich.
ECONOMY waste oil presses—Strong Machinery & Supply Co., 21 Walker, New York
ECONOMY water tube boilers—O'Dougherty, Henry, 307 Washington, Brooklyn, N. Y.
ECONOMY woven wire fences—Keystone Steel & Wire Co., Peoria, Ill.
ECONOMY BRAND brazing flux—Economy Welding Machine Co., Kansas City, Mo.
EDDY arc lamp windlasses—Commercial Electrical Supply Co., B'way & Spruce, St. Louis, Mo.
EDDY farm boilers & feed cutters—W. Eddy Plow Co., Greenwich, N. Y.
EDDY gate valves—Eddy Valve Co., Waterford, N. Y.
EDDY smoke recorders—Hamler-Eddy Smoke Recorder Co., 3906 S. Halsted, Chicago, Ill.
EDDY vacuum heating—Eddy Engineering Co., Alpena, Mich.
EDDYSTONE sash cords—Silver Lake Co., Newtonville, Mass.
EDEN clothes washing machines—Gillespie Eden Corp., 50 Church, New York
EDEXO map paper—Education Exhibition Co., 26 Custom House, Providence, R. I.
EDGAR lawn trimmer—Osmundson Spade Mfg. Co., Perry, Ia.
EDGAR'S bath tube enamels—Globe Varnish Co., 6125 Butler, Pittsburgh, Pa.
EDGECUMBE elastic metal packing—J. C. Edgecumbe & Co., 149 Broadway, New York
EDGEMONT friction clutches—Edgemont Machine Co., Dayton, Ohio
EDGE-ON belting mfrs.—Capen Belting & Rubber Co., Main & Chestnut, St. Louis, Mo.
EDGER'S fire shovels—New York Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
EDGERTON continuous roller presses—Kutztown Foundry & Machine Co., 1421 Chestnut, Phila., Pa.
EDGEWOOD cast iron ranges—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
EDGEWOOD screw drivers—Turner & Deegan, Bristol, Conn.
EDINBURGH mortar color—Toch Bros., 320 5th av, New York
EDIS pickling compounds—Research Mfg. Co., Oak Lane Station, Pa.
EDISON babbit metal—Nassau Smelting & Refining Works, 603 W. 29th, New York
EDISON cement—Edison Portland Cement Co., Stewartville, N. J.
EDISON glass insulators—Brookfield Glass Co., 2 Rector, New York
EDISON MIMEOGRAPH duplicators—A. B. Dick Co., 736 W. Jackson blvd., Chicago, Ill.
EDISON phonographs—Thomas A. Edison, Orange, N. J.
EDISON storage batteries—Edison Storage Battery Co., Orange, N. J.
EDISON waterproofing materials—North Jersey Paint Co., Stewartville, N. J.
EDISON-BROWN plastic rail bond—Harold P. Brown, 120 Liberty, New York
EDISON CARBON incandescent electric lamps—Edison Lamp Works of General Electric Co., Harrison, N. J.
EDISON GEM incandescent electric lamps—Edison Lamp Works of General Electric Co., Harrison, N. J.
EDISON MAZDA incandescent electric lamps—Edison Lamp Works of General Electric Co., Harrison, N. J.
EDISON MAZDA incandescent electric lamps—General Electric Co., Schenectady, N. Y.
EDISWAN lamp adapters—Frank W. Morse, 289 Congress, Boston, Mass.
EDMONDS electric polish—J. Edmonds Wesley & Son, 212 West, New York
EDNA locomotive injectors—Edna Brass Mfg. Co., Cincinnati, Ohio
EDSON bottle filling machines, capstans, marine steering gears & wheels, hose couplings, suction hose, rubber diaphragms, odorless sewage disposal outfits, pumps, winches & windlasses—Edson Mfg. Co., 257 Atlantic av, Boston, Mass.
EDSON recording pressure alarm & automobile gauges—Ashcroft Mfg. Co., 119 W. 40th, New York
EDSON rubber diaphragms—Empire Tire & Rubber Corp., Trenton, N. J.
EDSONIA metal polish— M. K. Bowman Edson Co., 64 Dey, New York
EDUCATION open range & washout—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
EDWARD valves & steam separators—Edward Valve & Mfg. Co., Edison bldg, Chicago, Ill.
EDWARD unions—Edward Valve & Mfg. Co., Edison bldg, Chicago, Ill.
EDWARDS flue stops—Andrews Wire & Iron Works, Rockford, Ill.
EDWARDS flying shears—Morgan Construction Co., Worcester, Mass.
EDWARDS metal ceilings, metal shingles, metal tile, steel lockers & shelving, rolling steel doors, iron & steel roofing, portable steel buildings—Edwards Mfg. Co., 545-565 Eggleston av, Cincinnati, Ohio
EDWARDS trap doors, filing cabinets & metallic furniture—O. M. Edwards Co., Inc., Syracuse, N. Y.
EETNA step ladders—S. A. Smith Mfg. Co., Brattleboro, Vt.
EFFECTIVE ash receiver—Gunster Bros., Scranton, Pa.
EFFICIENCY drawing compounds—Swan & Finch Co., 165 B'way, New York
EFFICIENCY gas oils & metal polish—Efficiency Oil Corp., 2100 Kienlen av, St. Louis, Mo.
EFFICIENCY spring cotters—Ohio Wire Goods Co., Akron, Ohio
EFFICIENCY tool holders—Whitman Metal Goods Co., Whitman, Mass.
EFFICIENT glass door ovens—Ohio State Stove Co., Columbus, Ohio
EGAN potato sprayers—McKenzie Mfg. Co., La Crosse, Wis.
EGGSHELL-WHITE flat enamels—Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
EGLENTINE bridle bits—Bartley Bros. & Hall, 50 Warren, New York
EGYPTIAN flax packing—Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
EGYPTIAN paints—National Roofing Co., Tonawanda, N. Y.
EHRHARDT'S weighing apparatus—MacLeod Co., 2227 Bogen, Cincinnati, Ohio
EHRO composition roofing—Ehret Roofing & Mfg. Co Drexel bldg, Phila, Pa.
EICK washing & rinsing machines—S. S.Wenzell Machine Co., 50th & Parkside av Phila., Pa.
EIGHTEEN NINETEEN ORIGINAL tinners' snips—Peck, Stow & Wilcox Co., Cleveland, Ohio
EKCO automatic dough dividing machines—Edw. Katzinger Co., 122 N. Peoria, Chicago Ill.
EKLA electric bells—P. R. Mfg. Co., Detroit, Mich.
EKLA mechanical rubber tubing, baby carriage tires & radiator hose—Eclat Rubber Co., Cuyahoga Falls, Ohio
ELAINE red oils—Emery Candle Co., Cincinnati, O.
ELASKO pipe joint cements—Stearns, F. M. & Co., Jamestown, N. Y.
ELASTIC copper paints—H. B. Fred Kuhls, 6413 3rd av, Brooklyn, N. Y.
ELASTIC electric car brakes—McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
ELASTIC roofing cements—John Briggs & Co., 45 Purchase, Boston, Mass.
ELASTIC steel door mats—Wire Goods Co., Worcester, Mass.
ELASTIC COMPOUND armature black enamel, paint oil, carbon black, red lead & red oxide paint—Elastic Compound Co., 5131 Kershaw, Phila., Pa.
ELASTICA floor finish & varnish—Standard Varnish Works, Richmond ter, Elm Park, N. Y.
ELASTICA magnesite stucco—Am. Materials Co., 101 Park av, New York
ELASTIC ENAMEL coating & preserving paints—Jones Paint Co., Rome, N. Y.
ELASTIKOTE paints—Tropical Paint Oil Co., W. 70th, Cleveland, Ohio
ELASTITE expansion joints—Philip Carey Mfg. Co., 330 Wayne av, Lockland, Cincinnati, Ohio
ELASTO sheet packing, shoe covers—Rubber Fibre Co., 560 First, Boston, Mass.
ELASTOID paper sleeves, tubes & insulated socket linings—Elastoid Fibre Co., Waltham, Mass.
ELATERITE asbestos roofing & paints—Western Elaterite Roofing Co., Denver, Colo.
ELATERON mineral rubber—Canfield Co., 3210 E. 55th, Cleveland, Ohio
ELBA high carbon steel—Ludlum Steel Co., Watervliet, N. Y.
ELBA lavatories & fittings—James Barrett Mfg. Co., 117 Pearl, Boston, Mass.
EL CHAFO chafing dishes—Edison Electric Appliance Co., Inc. (Hotpoint Division), 5600 W. Taylor, Chicago, Ill.

**ELCO garment hangers—West Electric Hair Curler** Co., Hancock & Columbia, Phila., Pa.
**EL COMFO electric heating pads—Edison Electric Appliance Co., Inc. (Hotpoint Division), 5600 W. Taylor, Chicago, Ill.**
ELDERADO master drawing lead pencil—Joseph Dixon Crucible Co., Jersey City, N. J.
**ELDNAC candle lanterns—A. C. Kraft, 323 W. Lake, Chicago, Ill.**
ELDORADO cement plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
ELDORADO engine oils—Standard Oil Co. of Ohio, E. Ohio Gas bldg, Cleveland, Ohio
ELDUS road oilers—Union Iron Works, Hoboken, N. J.
ELECTRA arc light carbons—Reisinger Hugo, 11 Broadway, New York
ELECTRA automobile horns—Automobile Supply Mfg. Co., 80 B'way, Brooklyn, N. Y.
ELECTRIC air drill hose, braided hose, chemical engine hose, garden hose, steam hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
ELECTRIC barrel head planers—United States Bottlers' Machy. Co., 2511 Park, Chicago, Ill.
ELECTRIC belt dressing—Akron Belting Co., Akron Ohio
ELECTRIC belt dressing—Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
ELECTRIC belting—Chas. A. Schieren & Co., 30 Ferry, New York
ELECTRIC clothes washing machines—Richmond Cedar Wks., Fulton, Va.
ELECTRIC door hangers—Lawrence Bros., Sterling, Ill.
**ELECTRIC fire extinguishers—M. L. Snyder & Son,** 223 Church, Phila., Pa.
**ELECTRIC gas & gasoline, oxyacetylene, sprinkler & submarine hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.**
ELECTRIC hot water heaters—Electric Boiler Co., Rochester, N. Y.
ELECTRIC interlocking mats—W. H. Salisbury & Co., 308 N. Madison, Chicago, Ill.
ELECTRIC maple flooring—Cobbs & Mitchell, Cadillac, Mich.
ELECTRIC metal wheels & industrial trailers—Electric Wheel Co., Station D, Quincy, Ind.
ELECTRIC tubular boilers—Bovaird & Seyfang Mfg. Co., Bradford, Pa.
**ELECTRIC-AIR rock drills, stone channelers & coal** cutters—Ingersoll-Rand Co., 11 Broadway, New York
ELECTRIC resistance wire—Alloy Metal Wire Co., 154 Nassau, New York
**ELECTRIC CITY gutter forming machinery—Double Truss Cornice Brake Co., Buffalo, N. Y.**
**ELECTRITE high speed steel—Latrobe Electric Steel Co., Latrobe, Pa.**
ELECTRO nickel steel—Electro Steel Co., Inc., Curry bldg, Pittsburgh, Pa.
**ELECTROBESTOS insulating compounds & socket** bushings, moulded insulations—H. W. Johns-Manville Co., Madison av & 41st, New York
**ELECTRODUCT flexible interior conduits—American** Circular Loom Co., 16 Medford, Boston, Mass.
ELECTROGRAPH steel markers & engravers—Gibb Instrument Co., Highland bldg, Pittsburgh, Pa.
**ELECTROGRIP lamp cord adjusters—Yost Electric** Mfg. Co., Toledo, Ohio
ELECTROMATIC garage door openers—Allith-Prouty Co., Danville, Ill.
**ELECTROPHITS medical batteries—Knapp Elec. &** Novelty Co., 511 W. 51st., New York
**ELECTROSE strain insulators, insulator pins, in**sulated suspension bolts—Electrose Mfg. Co., 70 Washington, Brooklyn, N. Y.
ELECTRO-SHINE cutlery polish—R. M. Hollingshead Co., Camden, N. J.
ELEKTRA asbestos brake lining—F. L. Horton Corp., 36 Whittier, Roxbury, Boston, Mass.
ELEPHANT carbon black—L. Martin Co., 81 Fulton, New York
ELEPHANT hay carriers—Hunt, Helm, Ferris & Co., Harvard, Ill.
**ELEPHANT manila duplex wrapping paper—Newton** Paper Co., Holyoke, Mass.
ELEPHANT BRAND phosphor bronze bushings, sheet wire & alloys—Phosphor Bronze Smelting Co., 2202 Washington av, Phila., Pa.
ELEPHANT BRAND red rosin-sized sheathing paper —Newton Paper Co., Holyoke, Mass.
ELESCO pipe coils & steam superheaters—Locomotive Superheater Co., 30 Church, New York
**ELGIN adjustable wrenches—Richards-Wilcox Mfg.** Co., Aurora, Ill.
**ELGIN adjustable wrenches—Star Mfg. Co., Carpen**tersville, Ill.
ELGIN butter cutters—Cleveland Faucet Co., 1205 E. 55th, Cleveland, Ohio
ELGIN cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
**ELGIN countershafts—Elgin Tool Works, Elgin, Ill.**
**ELGIN gas ovens—Kimball-Dietrich Hardware Co.,** Elgin, Ill.
ELGIN NATIONAL coffee mills—Woodruff & Edwards Co., Elgin, Ill.
ELHANCO steam jacketed kettles—Edw. L. Hand & Co., 722 Arch, Philadelphia, Pa.
ELHAR high speed steel, steel merc. agents, etc.—Ellsworth Haring, 114 Liberty, New York
**ELI ball bearing grindstones—Richards-Wilcox Mfg.** Co., Aurora, Ill.
**ELI farm wagons—Columbia Wagon Co., Columbia,** Pa.
**ELI hay presses—Collins Plow Co., Quincy, Ill.**
**ELI rat traps—Abingdon Trap Co., Abingdon, Ill.**
ELIE dusters—Ohio Duster Co., Cleveland, Ohio
ELISCO cold rolled steel tubing—Elyria Iron & Steel Co., 232 E. 131st, Cleveland, Ohio
ELITE ammeters & voltmeters—Manhattan Electrical Supply Co., 17 Park pl, New York
ELITE chemical mops & dustless dust cloths—Ohio Duster Co., Cleveland, Ohio
ELITE corn forks—Specialty Mfg. Co., Westboro, Mass.
ELITE electric signs—K. & H. Sign Mfg. Co., Aiken & P. R. R., Pittsburgh, Pa.
ELITE insulating paints—Patent Vulcanite Roofing Co., 2500 Ogden av, Chicago, Ill.
ELITE kitchen knives—W. G. Browne Mfg. Co., Kingston, N. Y.
ELITE shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
ELITE tool chests—American Mfg. Concern, Falconer, N. Y.
ELITE vacuum cleaners & vacuum carpet sweepers—Elite Mfg. Co., Kesner bldg., Chicago, Ill.
ELK hose racks, hose sprinklers, spray nozzles, swinging hose reels—Elkhart Brass Mfg. Co., Elkhart, Ind.
ELK incandescent electric lamps—Novelty Incandescent Lamp Co., Emporium, Pa.
ELK typewriter ribbons—Miller-Bryant-Pierce Co., Aurora, Ill.
ELKHART catch basins & shaking grates—Elkhart Iron Works, Elkhart, Ind.
ELKHART gas igniters—Elkhart Mfg. Co., Monroe, Mich.
ELKINS saw filers—A. J. Wilkinson & Co., 184 Washington, Boston, Mass.
ELKHART spray nozzles & hose reels—Elkhart Brass Mfg. Co., Elkhart, Ind.
ELLA FOUNDRY pig iron—Edmund W. Mudge & Co., Frick bldg, Pittsburgh, Pa.
ELLA MALLEABLE pig iron—Edmund W. Mudge & Co., Frick bldg, Pittsburgh, Pa.
ELLICOTT cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
**ELLIOTT dairy pails—Elliott Mfg. Co., Warren, Ill.**
**ELLIOTT gas engines, portable sawing rigs, pumping** engines, pumping jacks—Kansas City Engine Works, Kansas City, Mo.
**ELLIOTT lace leather cutters—Manufacturers Belt** Hook Co., 1321 W. Congress, Chicago, Ill.
**ELLIOTT low water alarms, pressure reducing** valves, steam traps—Elliott Co., Frick bldg, Pittsburgh, Pa.
**ELLIOTT mechanical stokers—Ridgway Mfg. Co.,** Ridgway, Pa.
**ELLIOTT photometer lamps—American Meter Co.,** 3112 N. 17th, Phila., Pa.
**ELLIOTT railway crossing gates—Pneumatic Gate** Co., 1921 S. Fairfield av, Chicago, Ill.
**ELLIOTT screw drivers—Cassady Fairbank Mfg. Co.,** 6126 S. La Salle, Chicago, Ill.
ELLIPTIC grate bars—Thomas Grate Bar Co., Birmingham, Ala.
**ELLIS car bumping posts—Mechanical Mfg. Co.,** Union Stock Yards, Chicago, Ill.
**ELLIS chain pipe vises—Ellis & Ford Mfg. Co., De**troit, Mich.
ELLIS grate bars—McClave Grate Bar Co., 36 Warren, New York
**ELLIS oil engines—Ellis Engine Co., Detroit, Mich.**
ELLIS tack claws & pullers & ventilating sash locks —Bradley & Farnham, Middlefield, Conn.
ELLIS ECONOMY mop wringers—Smith System Heating Co., 821 Washington av, S. E., Minneapolis, Minn.
**ELLISON calorimeters—American Steam Gauge &** Valve Mfg. Co., 208 Camden, Boston, Mass.
ELLISON calorimeters & draft gauges—Lewis M. Ellison, 214 W. Kinzie, Chicago, Ill.
ELLWOOD barbed wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.

ELLWOOD woven wire fences—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
**ELM CITY bolt clippers—Wm. Schollhorn Co., New Haven, Conn.**
ELM CITY counting machines & revolution counters—Chas. J. Root, Bristol, Conn.
**ELM CITY padlocks—Sargent & Co., New Haven, Conn.**
**ELM CITY stump joints—C. Cowles & Co., New Haven, Conn.**
ELMIRA garden rakes, screw drivers, pruning saw & hooks—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
ELMO automatic float valves—Phelps Bros. Co., 101 Beekman, New York
**ELM PARK lawn mowers—Worcester Lawn Mower Co., Worcester, Mass.**
**ELMWOOD belting, rubber hose, sheet packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.**
ELMWOOD hose, matting & packing—Hewitt Rubber Co., Buffalo, N. Y.
**EL PERCO coffee percolators—Edison Electric Appliance Co., Inc. (Hotpoint Division), 5600 W. Taylor, Chicago, Ill.**
ELSANE glass desk pads, board clips, index cabinets, work distributors—L. Sainberg, 6500 Houston, New York
ELSMERE granitine laundry tubs—Standard Elsmere Granite Co., 1752 N. Spalding av, Chicago, Ill.
ELSON lumber crayons—Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.
ELSTON stove pipe enamels—Day Jas. B. & Co., 214 W. Ohio, Chicago, Ill.
**ELSTON stove pipe enamels—Chicago Wood Finishing Co., 1309 Sloan, Chicago, Ill.**
ELSWICK detail paper—H. Reeve Angel & Co., Inc., 7 Spruce, New York
EL TOASTO toasters—Edison Electric Appliance Co., Inc. (Hotpoint Div.), 5600 W. Taylor, Chicago, Ill.
EL TORO cement—Southwestern Portland Cement Co., El Paso, Texas.
ELUX incandescent lamps—Elux Miniature Lamp Division of G. E. Co., 6 E 39th, New York
EL WARMO electric foot warmers—Hotpoint Electric Heating Co., Los Angeles, Cal.
**ELWELL glue—B. F. Elwell Glue Co., Rockport, Mass.**
ELWELTRA electric welded trace chains—American Chain Co., Bridgeport, Conn.
EL-WEL-TRA trace chains—American Chain Co., Inc., Bridgeport, Conn.
**ELWOOD wire stretchers—Arcade Mfg. Co., Freeport, Ill.**
ELWOOD wire stretchers—Hunt, Helm, Ferris & Co., Harvard, Ill.
**EMANCIPATOR feed carriers—Louden Machinery Co., Fairfield, Ia.**
**EMBLEM lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio**
EMCO dry batteries—Electric Mfg. Co., 166 W 6th, St. Paul, Minn.
EMELANSIC white bronze—Lissberger, Marks & Son, 281 Borden av, Long Island City, New York
EMERALITE electric desk lights—H. G. McFaddin & Co., 38 Warren, New York
EMERERSON automatic lubricators—Buffalo Metal goods Co., 196 Winchester av, Buffalo, N. Y.
**EMERGENCY fire hose couplings—Nunn Brass Works, Rochester, N. Y.**
EMERGENCY flax packing—W. Dallas Mfg. Co., 566 W. Lake, Chicago, Ill.
EMERGENCY high pressure steam traps—Wright-Austin Co., 97 Woodbridge, W. Detroit, Mich.
**EMERGENCY mud hooks—Gemco Mfg. Co., Milwaukee, Wis.**
EMERGENCY pipe clamps & saddles—M. B Skinner & Co., 562 W. Washington, Chicago, Ill.
EMERGENCY pocket telescope handle screw driver—Dikeman Mfg. Co., Norwalk, Conn.
EMERICK cement grinding & crushing mills—United Iron Works Co., Kansas City, Mo.
**EMERSON beating engines & ironing tables—Modern Mfg. Co., Hagerstown, Md.**
EMERSON hay loaders—Hocking Valley Mfg. Co., Lancaster, Ohio.
EMERSON jordan & beating engines—Emerson Mfg. Co., Lawrence, Mass.
EMERSON steam vacuum pumps & quick cleaning foot valve—Emerson Pump & Valve Co., Alexandria, Va.
EMERSON'S draughting tables—Henry M. Taws, 920 Arch, Phila., Pa.
EMERY pneumatic lubricators—Emery Pneumatic Lubricator Co., 1932 N. B'way, St. Louis, Mo.



**EMERY THOMPSON brine freezers—Thompson Emery Machine & Supply Co., 235 E. 41st, New York**
EM ESS Tucker grease traps—Meyer-Sniffen Co., 11 W. 36th, New York
EMIL PASSBURG vacuum dryers & pumps—J. P. Devine Co., Buffalo, N. Y.
**EMMELMANN gasoline soldering iron—Emmelmann Bros. Mfg. Co., Indianapolis, Ind.**
**EMMERT T squares, machinists' vises—Emmert Mfg. Co., Waynesboro, Pa.**
**EMNESO cutting oil—Bayerson Oil Works, Erie, Pa.**
EMORY BRAND cattle ties—J. E. Fricke Co., 247 Market, Phila., Pa.
**EMPEROR water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.**
EMPIRE alarm clocks—W. L. Gilbert Clock Co., Winsted, Conn.
EMPIRE automatic counters—American Pedometer Co., New Haven, Conn.
EMPIRE automobile oil, etc.—Empire Oil Works, Oil City, Pa.
**EMPIRE axes—Rubinow Edge Tool Works, 35 Vesey, Newark, N. J.**
EMPIRE bath tubs—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
**EMPIRE belting, hose, packing, acid cements—Empire Tire & Rubber Corp., Trenton, N. J.**
**EMPIRE bottle labeling machines—Boston Bottle Wiring & Labeling Co., 23 Wormwood, Boston, Mass.**
EMPIRE bran dusters—Richmond Mfg. Co., Lockport, N. Y.
EMPIRE carriage axles—Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
EMPIRE cast iron griddles & fry pans—New York Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
EMPIRE celery hillers, harrows & pulverizers—Empire Plow Co., 3140 E. 65th, Cleveland, Ohio
EMPIRE cement wall plaster—Empire Gypsum Co., Rochester, N. Y.
EMPIRE chronometer valves—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
EMPIRE conduit wiring rods—Diamond Expansion Bolt Co., 89 West, New York
EMPIRE cotton belting—Empire Mfg. Co., Lockport, N. Y.
EMPIRE couplings & clutches—Thomas Coupling Co., Erie, Pa.
EMPIRE cream separators & gas engines—Empire Cream Separator Co., Bloomfield, N. J.
EMPIRE cut-off couplings & friction clutches—Thomas Flexible Coupling Co., Erie, Pa.
**EMPIRE double drum sanders—W. A. Heath Machine Co., Lestershire, N. Y.**
**EMPIRE drill chucks—Pratt Chuck Co., Frankfort, N. Y.**
EMPIRE dropper attachments—Seiberling & Miller Co., Doylestown, Ohio
EMPIRE duct rods—Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
**EMPIRE flint, sand & emery paper—Herman Behr & Co., 61 B'way, New York**
EMPIRE gang press wheel attachments—American Seeding Machine Co., Springfield, Ohio
**EMPIRE gold dredges, hand prospecting drills, hydraulic gravel elevators—New York Engng. Co., 165 B'way, New York**
**EMPIRE gravity-locking blind hinges—Wrightsville Hardware Co., Wrightsville, Pa.**
EMPIRE hard wall plaster—Pacific Portland Cement Co., Consd., Pacific bldg, San Francsico, Cal.
**EMPIRE harness snaps—Frazer & Jones Co., Syracuse, N. Y.**
**EMPIRE harrows—Gales Mfg. Co., Albion, Mich.**
EMPIRE incandescent miniature lamps—H. W. McCandless & Co., 67 Park pl, New York
EMPIRE insulating cloth & paper—Mica Insulator Co., 68 Church, New York
**EMPIRE lamp glass chimneys—Macbeth-Evans Glass Co., Pittsburgh, Pa.**
EMPIRE life saving nets—S. F. Hayward & Co., 250 W. 54th, New York
EMPIRE loose leaf devices—Well Bros., 641 W. Lake, Chicago, Ill.
EMPIRE lubricating oils & greases—A. W. Harris & Co., 17 Battery pl, New York
EMPIRE pipe wrenches—Wm. Hjorth & Co., Jamestown, N. Y.
EMPIRE (r. t. p. portable boiler), Ames Iron Works. Oswego, N. Y.
EMPIRE reapers—Seiberling & Miller Co., Doylestown, Ohio
EMPIRE reapers, ensilage cutters—Messenger Mfg. Co., Tatamy, Pa.
EMPIRE sand papering machines—W. A. Heath Machine Co., Lestershire, N. Y.

EMPIRE sash locks & door stops—Caldwell Mfg. Co., Rochester, N. Y.
EMPIRE self-oiling pulleys—Wrightsville Hardware Co., Wrightsville, Pa.
EMPIRE shaft couplers—Fernald Mfg. Co., North End, Pa.
EMPIRE shoe blacking & polishes—Frank Miller Co., 349 W. 26th, New York
EMPIRE slate laundry tubs & tanks & vats—New York Slate Works, 255 E. 138th, New York
EMPIRE smokeless shotgun upowder—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
EMPIRE speed indicators—Greene, Tweed & Co., 109 Duane, New York
EMPIRE steam traps—American District Steam Co., North Tonawanda, N. Y.
EMPIRE steam traps—Lawler Regulator Co., 55 W. Houston, New York
EMPIRE tire bolts—Russell, Birdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
EMPIRE wheel garden hoes—Moline Plow Co., Moline, Ill.
EMPIRE window casement fasteners—Corbin Cabinet Lock Co., New Britain, Conn.
EMPIRE wire fence & gates—Bond Steel Post Co., Adrian, Mich.
EMPIRE CROWN water meters—National Meter Co., 299 B'way, New York
EMPIRE FRICTION belting—Empire Tire & Rubber Corp., Trenton, N. J.
EMPIRE KING spray pumps—Field Force Pump Co., Elmira, N. Y.
EMPIRE LEADER spray pumps—Field Force Pump Co., Elmira, N. Y.
EMPIRE STATE car trucks—Taylor Electric Truck Co., Troy, N. Y.
EMPIRE STATE ensilage cutters—Warsaw-Wilkinson Co., Warsaw, N. Y.
EMPIRE STATE milk cans—Oakes & Burger Co., Cattaraugus, N. Y.
EMPIRE'S BEST belting, hose & packing—Empire Tire & Rubber Corp., Trenton, N. J.
EMPRESS alcohol lamps, bottle holders, brass trays, vapor stoves, chafing dishes & coffee percolators—New York Stamping Co., N. 11th, Brooklyn, N. Y.
EMPRESS oil & grease cups—Bowen Products Corp., Auburn Div., 357 Canal, Auburn, N. Y.
EMPRESS walking listers—Rock Island Plow Co., Rock Island, Ill.
EMPRESS water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
EMRICH cloth cutting knives, shears & scissors, tanners' & tinners' tools—Phil Emrich, 824 Main, Cincinnati, Ohio
EMU padlocks—Slaymaker Lock Co., Lancaster, Pa.
EMULSO soluble cutting oil—Bayerson Oil Works, Erie, Pa.
ENAMELED WHITE INSIDE tin bath tubs—Dover Stamping & Mfg. Co., Cambridge, Mass.
ENAMELETTE enamels—Goheen Corp., 25 W. 43d New York
ENAMELINE stove polish—J. L. Prescott Co., 92 W. Broadway, New York
ENAMELITE wire—Acme Wire Co., New Haven, Conn.
ENAMELOX tin oxide substitute—C. W. Leavitt & Co., 30 Church, New York
ENAMETILE metal tile—New York Metal Ceiling Co., 537 W. 24th, New York
ENAMO metal bath room accessories—Hughes Evans Co., 502 W 32nd, New York
ENAMOLIN bath tub enamels—Emil Calman & Co., 100 William, New York
ENBURO dry batteries—Lincoln Electric Co., 149 Broadway, New York
ENDERS safety razors—Enders Sales Co., 17 Battery pl, New York
ENDURA flexible fibre packing—Endura Mfg. Co., 63rd & Eastwick, Phila., Pa.
ENDURANCE gas main bags—Edw. A. Behringer, 98 Park pl., New York
ENDURANCE metal bound mill brooms—Mass. Commission for the Blind, Cambridge, Mass.
ENDURIA spring steel—Cambria Steel Co., Widener bldg, Phila., Pa.
ENDURO non-corrosive metal—United Alloy Steel Corp., Canton, Ohio
ENERGINE lubricating oils & greases—Energine Refining & Mfg. Co., Arc bldg, Cleveland, Ohio
ENERGY dumb waiters—Energy Elevator Co., 214 New, Philadelphia, Pa.
ENGEL cocks & bibbs—Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
ENGELHARD crucible & electric furnaces, pyrometers & resistance thermometers—Chas. Engelhard, 30 Church, New York
ENGINEERS' FAVORITE flue scraper—Sherwood Mfg. Co., 1710 Elmwood av, Buffalo, N. Y.
ENGINEERS' FAVORITE tube cleaners—A. W. Chesterton Co., 64 India, Boston, Mass.
ENGLEHARDT life boats & rafts—C. M. Lane Life Boat Co., 250 Huron, Brooklyn, N. Y.
ENGLER'S viscosimeters—Eimer & Amend, 205 3rd av, New York
ENGLISH pig iron—C. Tennant Sons & Co., 100 William, New York
ENGLISH shingle stains—Dexter Bros. Co., 105 Broad, Boston, Mass.
ENGLISH stove pipe enamels—Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
ENJABECO fibre vegetable brushes—New Jersey Brush Co., Bloomfield, N. J.
ENSIGN cotton hose—Acme Rubber Mfg. Co., Trenton, N. J.
ENSIGN sight feed lubricators—Wm. Powell Co., Cincinnati, Ohio
ENSLEY pig iron—Tennesee Coal, Iron & Railroad Co., Birmingham, Ala.
ENTERPRISE bottle labeling machines—Boston Bottle Wiring & Labeling Co., 23 Wormwood, Boston, Mass.
ENTERPRISE chain vises, die stocks & valves—D. A. Hinman & Co., Sandwich, Ill.
ENTERPRISE cherry stoners, lawn mowers, lawn sprinklers, food choppers, slicing machines—Enterprise Mfg. Co., 3rd & Dauphin, Phila., Pa.
ENTERPRISE enameling ovens—Evans & Eichner, 29 W. Lake, Chicago, Ill.
ENTERPRISE hand carts—Sandwich Mfg. Co., Sandwich, Ill.
ENTERPRISE packing—Randolph Brandt, 70 Cortlandt, New York
ENTERPRISE pattern tap borers—W. A. Ives Mfg. Co., Wallingford, Conn.
ENTERPRISE plaster mixers—J. B. Ehrsam & Sons Mfg. Co., Enterprise, Kan.
ENTERPRISE pulley mortising machines—Austin & Eddy, 117 Broad, Boston, Mass.
ENTERPRISE pulley mortising machines—Millbury Machine Co., Millbury, Mass.
ENTERPRISE rural mail boxes—John H. Forney, Burlington, Ia.
ENTICER rat traps—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
EPICASSIT rust preventives—Hess & Son, Watkins bldg, Phila., Pa.
EPULSO water closets—M. L. Kline Co., 84 Front, Portland, Ore.
EPURE roofing cements—Trinidad Asphalt Mfg. Co., Title Guaranty Trust Bldg., St. Louis, Mo.
EQUAL BLOW band saw filling & setting machines—New Britain Machine Co., 190 Chestnut, New Britain, Conn.
EQUALITY rubber sheet packing—Acme Rubber Mfg. Co., Trenton, N. J.
EQUIPOISE desk telephone brackets—Hunt C. Howard Pen Co., Camden, N. J.
EQUIPOSE telephone arms—Holzer-Cabot Elec. Co., 125 Amory, Boston, Mass.
EQUITABLE asphalt mixers—Equitable Asphalt Maintenance Co., 1901 Campbell, Kansas City, Mo.
EQUITABLE gas meters—Equitable Meter Co., 424 1st av, Pittsburgh, Pa.
EQUITY toilet paper holders—A. P. W. Paper Co., Albany, N. Y.
ERCKENBRECHERS laundry starch—Corn Products Refining Co., 17 Battery pl, New York
ERECTOR toy metal building materials—A. C. Gilbert Co., New Haven, Conn.
EREFUL automatic whistles—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
ERIC cooking stoves—Odin Stove Mfg. Co., Erie, Pa.
ERIC fireless cookers—Cleveland Natural Gas Supply Co., 22 High, Cleveland, Ohio
ERICHSEN testing machines—Holz & Co., Inc., 18 Madison av, New York
ERICKSON conduit couplings—Thomas & Betts Co., 63 Vesey, New York
ERICSSON'S venetian blinds—Swedish Venetian Blind Co., 47 W. 34th, New York
ERIE auto truck trailers—Erie Trailer Mfg. Co., Erie, Pa.
ERIE belting—Mau-Sherwood Supply Co., 1616 W. 3rd, Cleveland, Ohio
ERIE door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
ERIE drop hammers, mechanical stokers, squaring shears—Erie Foundry Co., Erie, Pa.
ERIE foundry chaplets—S. Cheney & Son, Manlius N. Y.
ERIE gas radiators—Erie Stove & Mfg. Co., Erie, Pa.
ERIE heel cam cutting machines—Erie Toe Calk Machine Co., Erie, Pa.

ERIE lubricators, pipe hangers, valve & service boxes —Jarecki Mfg. Co., Erie, Pa.
ERIE mop wringers—Erie Mop & Wringer Co., Erie, Pa.
ERIE oil & grease cups—Detroit Shipbuilding Co., ft Orleans, Detroit, Mich.
ERIE pumps & engines—separate & connected types—Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y.
ERIE rat traps—Lovell Mfg. Co., Erie, Pa.
ERIE refrigerators—Niagara Refrigerator Works, 20 Superior, Buffalo, N. Y.
ERIE tobacco cutters—Griswold Mfg. Co., Erie, Pa.
ERIEZ gas ranges—Eriez Stove & Mfg. Co., Erie, Pa.
ERIOLENE illuminating oils—Bayerson Oil Works, Erie, Pa.
ERMOLD bottle corking machines—Edw. Ermold Co., 652 Hudson, New York
ERMOLD bottle labeling machines—United States Bottlers' Machine Co., 2511 Park, Chicago, Ill.
ERNSALINE enamels—Ernecke & Salmstein Co., 944 W North av, Chicago, Ill.
ERNST automobile turntables & ash can conveyors—C. K. Ernst, Buffalo, N. Y.
ERNST PERFECTION sidewalk elevators—C. K. Ernst, Buffalo, N. Y.
ERUSA liquid belt dressing—Cling-Surface Co., Buffalo, N. Y.
ERWIN fire extinguishers—M. H. Treadwell Co. of Ill., 208 S. La Salle, Chicago, Ill.
ESCHWEILER rug exhibitors—Consolidated Carpet Sewing Machine Co., Bridgeport, Conn.
ESCHWEILERS PATENT casement window hinges —Stanley Works, New Britain, Conn.
ESCO circuit batteries—Thomas A. Edison, Orange, N. J.
ESCO compression cocks—E. Stebbins Mfg. Co., Springfield, Mass.
ESCO enamels—Edw. Smith & Co., 127 West av, Long Island City, N. Y.
ESCO grooving machines—Walco Mfg. Corp., Providence, R. I.
ESCO paste—Ernecke & Salmstein Co., 944 W. North av, Chicago, Ill.
ESCO waterproofing materials—Preservative Products Co., 1133 Broadway, New York
ESMOND bicycle stands—New York Neckel Plating & Mfg. Co., 327 E. 63rd, New York
ESOPUS BUHR stones—J. J. Hasbrouck & Co., New Paltz, N. Y.
ESQUE prepared paint—Chicago Varnish Co., 2100 Eleston av, Chicago, Ill.
ESROBERT electric portables—Robt. S. Schwartz & Bro., 729 B'way, New York
ESS-ESS revolving chucks—Scott & Sons Co., Medford, Mass.
ESSEX belting—Combination Rubber Mfg. Co., Bloomfield, N. J.
ESSEX belting—Lawrence Belting Co., 111 Chambers, New York
ESSEX belting—Mercer Rubber Co., Hamilton, N. J.
ESSEX blast furnaces—Northern Iron Co., Port Henry, N. Y.
ESSEX carriage top supports—Essex Brass Foundry Co., Cambridge, Mass.
ESSEX dial cocks—G. B. Essex Brass Co., 480 Franklin, Detroit, Mich.
ESSEX hot air pumping engines—Winfield H. Smith, Buffalo, N. Y.
ESSEX kitchen sinks—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
ESSEX lawn mowers—S. P. Townsend & Co., Orange, N. J.
ESSEX marine engines—Essex Engine Co., Lynn, Mass.
ESSEX steam & hot water heaters—Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
ESSEX whip socket fasteners—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
ESTABROOK catch basins, cesspools & grease traps —R. Estabrook's Sons, 202 W 1st, Boston, Mass.
ESTATE bath water heaters & stoves—Estate Stove Co., Hamilton, Ohio
ESTERLINE, ammeters & voltmeters, pyrometers, speed recorders—Esterline Co. (Inc.), Indianapolis, Ind.
ESTES shafting couplings—Strong Homer, Rochester, N. Y.
ESTY automatic fire sprinklers—H. G. Vogel Co., 487 B'way, New York
ETCHOGRAPH marking machines—Wm. Brewster Co., Inc., 30 Church, New York
ETERNITY belt cements—Burr Oak Belting Co., 521 Livingston, Cincinnati, Ohio
ETHERIDGE wiring pendants—Fletcher Mfg. Co., Dayton, Ohio
ETHIOPIA packing—Crandall Packing Co., Palmyra, N. Y.
ETNA roofing paint—McHenry-Millhouse Mfg. Co., South Bend, Ind. & Fulton, N. Y.
ETNYRE road oilers—E. D. Etnyre & Co., Oregon, Ill.
ETOWAH marble—Georgia Marble Co., Tate, Ga.
EUCHRELYPTUM oil & fat deodorizers—West Disinfecting Co., 411 5th av, New York
EUCLID fireless cookers—Cleveland Natural Gas Supply Co., 22 High, Cleveland, Ohio
EUCLID hot air furnaces—Bennett Furnace Co., 6531 Euclid av, Cleveland, Ohio
EUCLID rubber battery jars, switchboard mats—Consumers Rubber Co., 829 Superior av, Cleveland, Ohio
EUCLID stone switchboards, steps & sinks—Euclid Stone & Brick Co., Cleveland, Ohio
EUREKA adjustable stools—Toledo Metal Furniture Co., Toledo, Ohio
EUREKA auto truck trailers—Eureka Co., Rock Falls, Ill.
EUREKA automatic air valves—W. A. Russell & Co., 63 W. 37th, New York
EUREKA babbitt metal—A. G. Schultz & Co., 114 E. Lombard, Baltimore, Md.
EUREKA babbitt metal & sleet cutters—Eureka Co., North East, Pa.
EUREKA bark mills—Barry & Zechter Co., Lancaster, Pa.
EUREKA belt dressing & harness oils—Standard Oil Co. of N Y., 555 W. 25th, New York
EUREKA belt lacing—Manufacturers' Belt Hook Co., 1321 W Congress, Chicago, Ill.
EUREKA billiard chalk—American Crayon Co., Sandusky, Ohio
EUREKA blotter baths, sanitary copying cloths, moisteners, agar humidifiers & telephone brackets —Eureka Blotter Bath Co., 6221 Wentworth av, Chicago, Ill.
EUREKA boiler compounds—Wadhams Oil Co., 359 Clinton, Milwaukee, Wis.
EUREKA boiler injectors—Kincaid Bros., Pittsburgh, Pa.
EUREKA bottle labeling machines—Boston Bottle Wiring & Labeling Co., 23 Wormwood, Boston, Mass.
EUREKA broom holders—Coleman Hardware Co., 220 Michigan av, Chicago, Ill.
EUREKA broom holders, door springs, lawn sprinklers, sash chains, fly swatters—Parker Wire Goods Co., Worcester, Mass.
EUREKA buffing lathes & tool grinders—Chicago Wheel & Mfg. Co., 1101 W Monroe, Chicago, Ill.
EUREKA burlap—Cotta-a-Lap Co., Somerville, N. J.
EUREKA car trucks—J. G. Brill Co., 62nd & Woodland av, Phila., Pa.
EUREKA carbon paper & typewriter ribbons—Mittag & Volger, Park Ridge, N. J.
EUREKA carbonators, carbon removers, beer bottling machines, water filters, water lifts—Bishop & Babcock Co., 1204 E. 55th, Cleveland, Ohio.
EUREKA carpet sweepers—Metal Stampings Corp., Streator, Ill.
EU-RE-KA children's vehicles—Manumotors Co., Manitowoc, Wis.
EUREKA churns—Aquatic Cream Separator Co., Rochester, N. Y.
EUREKA closet spuds—Trenton Brass & Machine Co., Trenton, N. J.
EUREKA clothes dryers & ironing boards—Eclipse Co., North Girard, Pa.
EUREKA clothes lines—Estes Mills, Falls River, Mass.
EUREKA coal crushers—Universal Crusher Co., Cedar Rapids, Ia.
EUREKA compressed air pumps—Brandt Mfg. Co., 310 3rd av, Minneapolis, Minn.
EUREKA concrete barrows—Sterling Wheelbarrow Co., Milwaukee, Wis.
EUREKA concrete building block machinery—Besser Mfg. Co., Alpena, Mich.
EUREKA concrete mixers—Eureka Machine Co., Lansing, Mich.
EUREKA corkboard insulation—Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
EUREKA corn planters—Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
EUREKA corn & cob mills—Barry & Zecher Co., Lancaster, Pa.
EUREKA cultivators—Towers & Sullivan Mfg. Co., Rome, Ga.
EUREKA dairy apparatus—Vermont Farm Machine Co., Bellows Falls, Vt.
EUREKA electric bells—Ansonia Electrical Co, Ansonia, Conn.

EUREKA electric car headlights—Dayton Mfg. Co., Dayton, Ohio
EUREKA equalizers—E. B. Adams & Son, Racine, Wis.
EUREKA equalizers—Harvey Spring & Forging Co., Racine, Wis.
EUREKA feed grinding mills, windmills, wood sawing machines—Smith & Pomeroy Windmill Co., Kalamazoo, Mich.
EUREKA fire hose—Eureka Fire Hose Mfg. Co., 27 Barclay, New York
EUREKA fruit & vegetable parers—Goodell Co., Antrim, N. H.
EUREKA fumigators—Jas. R. Wotherspoon, 238 N. Front, Phila., Pa.
EUREKA gas oven illuminators—Dutchess Tool Co., Fishkill-on-Hudson, N. Y.
EUREKA gas water heaters—Eureka Water Heater Co., 37 W. Lake, Chicago, Ill.
EUREKA gauge glasses—Bache, Semon & Co., 636 Greenwich, New York
EUREKA grain cleaning machinery—S. Howes Co., Silver Creek, N. Y.
EUREKA grain dryers—Wolf Co., Chambersburg, Pa.
EUREKA green pea cleaning & grading machines—Sprague Canning Machinery Co., 222 N. Wabash av, Chicago, Ill.
EUREKA hack saw machines—H. G. Thompson & Son Co., New Haven, Conn.
EUREKA hame clips—Imperial Bit & Snap Co., Racine, Wis.
EUREKA hand power shears—Smith & Egge Mfg. Co., Bridgeport, Conn.
EUREKA hay & corn cutter knives—Bateman Mfg. Co., Grenloch, N. J.
EUREKA hickory handles—Hartwell Handle Co., Harvey, Ill.
EUREKA hose couplings—Rauch Mfg. Co., Galena, Kan.
EUREKA lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
EUREKA leather wheels—E. Reed Burns, 27 Jackson, Brooklyn, N. Y.
EUREKA liquid & paste polish—No. American Chemical & Engineering Co., 23 Old Slip, New York
EUREKA lubricating oils & greases—A. W. Harris & Co., 17 Battery pl, New York
EUREKA lubricators—McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
EUREKA mine car wheels—Hockensmith Wheel & Mine Car Co., Penns Station, Pa.
EUREKA mine car wheels—Irwin Foundry & Mine Car Co., Irwin, Pa.
EUREKA oak flooring—Salt Lick Lumber Co., Salt Lick, Ky.
EUREKA paint & varnish remover—Palmer-Price Co., 270 Chestnut, Newark, N. J.
EUREKA paints & cements—Otley Paint Mfg. Co., 1742 N. Winchester av, Chicago, Ill.
EUREKA paper clips—Consolidated Safety Pin Co., Bloomfield, N. J.
EUREKA pig iron—Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
EUREKA portable grain elevators—Chas. E. Davidson, Eureka, Ill.
EUREKA post hole diggers—Eureka Digger Co., 227 W. Huron, Chicago, Ill.
EUREKA post hole diggers—Seymour Mfg. Co., Seymour, Ind.
EUREKA potato diggers, spring tooth harrows, lawn swings—Eureka Mower Co., 16 Hickory, Utica, N. Y.
EUREKA potato planters—Potato Implement Co., Traverse City, Mich.
EUREKA railway track drills—Crerar Adams & Co., 293 E. Erie, Chicago, Ill.
EUREKA ratchet wrenches—Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.
EUREKA resistance wire—Alloy Metal Wire Co., 154 Nassau, New York
EUREKA rock & ore conveyors—Universal Crusher Co., Cedar Rapids, Ia.
EUREKA rod packing—Eureka Packing Co., 78 Murray, New York
EUREKA roof snow guards—J. H. Fulmer, Nazareth, Pa.
EUREKA rule bender—J. F. Helmold & Bro., 1462 Hamburg, Chicago, Ill.
EUREKA scouring cork—Haddock Cork Co., 1209 De Kalb av, Brooklyn, N. Y.
EUREKA shingle stains—Lancaster Paint & Glass Co., Lancaster, Pa.
EUREKA soldering flux—Grasselli Chemical Co., Guardian bldg., Cleveland, Ohio
EUREKA spiral screw drivers—Decatur Coffin Co., Decatur, Ill.
EUREKA spray pumps—Morrill-Morley Mfg. Co., Benton Harbor, Mich.
EUREKA stencils—S. W. Reese & Co., 44 Vesey, New York
EUREKA take-down squares—Nicholls Mfg. Co., Ottumwa, Ia.
EUREKA tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
EUREKA toasters—Wickwire Spencer Steel Co., Worcester, Mass.
EUREKA valves & unions—Eureka Brass Works, 1040 Hulbert av, Cincinnati, Ohio
EUREKA vises—Emmert Mfg. Co., Waynesboro, Pa.
EUREKA water gauges—Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
EUREKA water meters—Pittsburgh Meter Co., E. Pittsburgh, Pa.
EUREKA water softening and purifying apparatus—Dodge Sales & Engineering Co., Mishawaka, Ind.
EUREKA wire fence machines & woven wire fences—Eureka Fence Mfg. Co., Richmond, Ind.
EUREKA wire test connectors—Frank W. Morse, 289 Congress, Boston, Mass.
EUREKA wood fibre plaster—American Cement Plaster Co., Lawrence, Kan.
EUREKA wooden barrows—Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
EUREKA wooden barrows—Frank R. Prescott, Meredith, N. H.
EUREKA wrenches—Allen Wrench & Tool Co., 754 Eddy, Providence, R. I.
EUREKO goggles & eye protectors—Chicago Eye Shield Co., 2300 Warren av, Chicago, Ill.
EVANS automatic fire sprinklers—Globe Automatic Sprinkler Co., 2035 Washington av, Phila., Pa.
EVANS fire, tin clad, sheet metal, fireproof, metal & metal covered doors & shutters, universal joints—Merchant & Evans Co., Wash. av & 21st, Phila., Pa.
EVANS harrows, harrow attachments, potato planters—American Seeding Machine Co., Springfield, Ohio
EVANS marine steering gears—C. H. Evans & Co., 189 Fremont, San Francisco, Cal.
EVANS safety lock nuts—E. J. Arghis & Co., 74 Wall, New York
EVANS skylight ventilating apparatus—John A. Evans Co., Richmond, Ind.
EVANS variable speed transmission—Evans Friction Cone Co., Newton Center, Mass.
EVANS veneered doors—Carnahan Mfg. Co., Loogootee, Ind.
EVANSTON lawn mowers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
EVANS CHALLENGE ventilating apparatus for greenhouses—John A. Evans Co., Richmond, Ind.
EVART logging tools—American Logging Tool Co., Evart, Mich.
EVEN UP equalizers—Nevada Mfg. Co., Nevada, Ia.
EVEREADY automatic clips & fasteners machines—Eveready Mfg. Co. of Boston, 5 Knapp, Boston, Mass.
EVERED churn drill engines—National Iron Co., Duluth, Minn.
EVERETT dump boxes—Everett Mfg. Co., Newark, N. Y.
EVERETT-McADAM blue printing machines—Revolute Machine Co., 417 E. 93rd, New York
EVERGLADE kitchen enameled ware—Strong Mfg. Co., Sebring, Ohio
EVERGREEN inner automobile tubes—Falls Rubber Co., Cuyahoga Falls, Ohio
EVERGRIP sliding furniture shoes—Evergrip Gliding Caster Co., 261 Canal, New York
EVERGRIP splicing compound tape—Boston Woven Hose & Rubber Co., Cambridge, Mass.
EVERHART pneumatic signals—Everhart Brass Works, Scranton, Pa.
EVER-HOT stove toasters—Satisfaction Guaranteed Corp., 659 Fulton, Chicago, Ill.
EVERJET ELASTIC paints—Barrett Co., 17 Battery pl, New York
EVERLASBESTOS magnesite composition flooring—Everlasbestos Flooring Co., 95 Worth, New York
EVERLAST asbestos brake linings—National Leather Belting Co., 342 E. 38th, New York
EVERLAST asbestos packing—Goodyear Tire & Rubber Co., Akron, Ohio
EVERLAST concrete hardener—Concrete Hardening Co., Inc., 220 5th av, New York
EVERLAST exhaust heads—Franklin Williams, 39 Cortlandt, New York
EVERLASTINE varnish—Nubian Paint & Varnish Co., 1856 Leclair av, Chicago, Ill.

EVERLASTING asbestos packing—Goodyear Rubber Co. & Rubber Clothing Co., 787 Broadway, New York
EVERLASTING babbitt metal—Lissberger, Marks & Son, 281 Borden av, Long Island City, N. Y.
EVERLASTING celluloid covered closet seats—Standard Tank & Seat Co., Camden, N. J.
EVERLASTING equalizers—Diamond Forging & Mfg. Co., 2601 California, Pittsburgh, Pa.
EVERLASTING flexible steel mats—Cary Mfg. Co., Nassau & Jay, Brooklyn, N. Y.
EVERLASTING paints—Means & Thatcher, Norfolk Down, Quincy, Mass.
EVERLASTING tank heaters—Heesen Bros. Co., Tecumseh, Mich.
EVERLASTING tank heaters—Kelly Foundry & Machine Co., Goshen, Ind.
EVERLASTING BLACK paints—U. S. Refining Co., 1291 W. 11th, Cleveland, Ohio
EVERNEW carriage top dressing—Felton-Silbey & Co., 140 N. 4th, Phila., Pa.
EVER READY can openers—Bradley & Farnham, Middlefield, Conn.
EVER READY can openers—Ellis Mfg. Co., Milldale, Conn.
EVER-READY combination tools—Foote Mfg. Co., Dayton, Ohio
EVER-READY corn shellers—Star Heel Plate Co., Wilson av, Newark, N. J.
EVEREADY helmets—Servus Rescue Equipment Co., 50 Columbia, Newark, N. J.
EVER-READY iron tub hoops—Weed & Co., 95 Swain, Buffalo, N. Y.
EVER READY miners' lamps—Chas. Hoppe Co., 111 Opera pl, Cincinnati, Ohio
EVER READY safety razors—American Safety Razor Co., 303 Jay, Brooklyn, N. Y.
EVERY READY shoe stretchers—Wm. H. Horn & Bro., 451 3rd, Phila., Pa.
EVER-READY spoke auger machines—House Cold Tire Setter Co., 4143 Laclede, St. Louis, Mo.
EVER READY telephone pads—S. I. Atwater, 101 Lafayette, New York
EVER-READY tool emery grinders—Crestline Mfg. Co., Crestline, Ohio
EVEREADY DAYLO electric lamp flashlights—American Ever Ready Works of National Carbon Co., Thompson av, L. I. City, N. Y.
EVERSON door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
EVERSON water coolers & filters—Everson Filter Co., 70 W. Lake, Chicago, Ill.
EVERS & HILDEBRANDT patent smoke houses—Evers Iron Works, Cleveland, Ohio
EVER-TIGHT piston rings & packings—Ever Tight Piston Ring Co., 3124 Locust, St. Louis, Mo.
EVER-WILLING doors—Hurst Sash & Door Co., Grand Island, Neb.
EVERYBODY'S soap—International Supply Co., 2nd & Bent, Cambridge, Mass.
EWALD berry boxes—Cumberland Fruit Package Co., Cumberland, Wis.
EWART friction clutches & link-belt—Link-Belt Co., 329 W. 39th av, Chicago, Ill.
EWING extensometers—Taylor Instrument Companies, Rochester, N. Y.
EWLCO babbitt metal—Eagle Picher Lead Co., 208 S La Salle, Chicago, Ill.
EXCEL incandescent lamps—Novelty Incandescent Lamp Co., Emporium, Pa.
EXCELLO arc light carbons—Reisinger, Hugo, 11 Broadway, New York
EXCELLO circuit batteries—Clark & Mills Elec. Co., Cambridge, Mass.
EXCELLO harrows—Wm. Fetzer Co., Springfield, Ill.
EXCELLO resistance wire—H. Boker & Co., 101 Duane, New York
EXCELLO surgical gauze—American Gauze & Cotton Co., Inc., 407 N. 8th, St. Louis, Mo.
EXCELLO washing machines—Howe Co., Wheeling, W. Va.
EXCEL-O-VALVE flushing valves & slow closing basin cocks—Excelovalve Co., 322 W. 58th, New York
EXCELSIOR absorbent cotton—Maplewood Mills, Fall River, Mass.
EXCELSIOR auger bits—C. E. Jennings & Co., 71 Murray, New York
EXCELSIOR back pressure valves—Jenkins Bros., 80 White, New York
EXCELSIOR belt dressing—A. W. Chesterton Co., 64 India, Boston, Mass.
EXCELSIOR belting, belt lacing & apron leather—Wm. Coupe Co. (Ltd.), S. Attleboro, Mass.
EXCELSIOR biscuit machinery—L. A. Rockwell Co., 430 Smith, Brooklyn, N. Y.



EXCELSIOR boiler compounds—Star Lubricating Oil Co., 8714 Broadway, Cleveland, Ohio
EXCELSIOR boiler injectors & boiler feeders—N. A. Watson, Erie, Pa
EXCELSIOR can openers—Bradley & Farnham, Middlefield, Conn.
EXCELSIOR can openers—Ellis Mfg. Co., Milldale, Conn.
EXCELSIOR carriage fasteners—C. Cowles & Co., New Haven, Conn.
EXCELSIOR chemicals—Wm. F. Jobbins, Aurora, Ill.
EXCELSIOR chimney tops—Excelsior Fire Clay Co., Lisbon, Ohio
EXCELSIOR clothes pin bags, coal bags, hammocks, skate straps—Excelsior Bag & Mfg. Co., Troy, N. Y.
EXCELSIOR coffee & spice mills—Wrightsville Hardware Co., Wrightsville, Pa.
EXCELSIOR concrete mixers—Excelsior Mixer & Machinery Co., Milwaukee, Wis.
EXCELSIOR corkboard insulation—Cork Insulation Co., Jersey City, N. J.
EXCELSIOR corn huskers—Wallingford Mfg. Co., Wallingford, Vt.
EXCELSIOR cultivators—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
EXCELSIOR cushion springs—Trenton Spring Mattress Co., Trenton, N. J.
EXCELSIOR cylinder & engine oil—E. H. Kellogg & Co., 243 South, New York
EXCELSIOR fanning mills—Johnson & Field Mfg. Co., Racine, Wis.
EXCELSIOR feed water heaters—Wm. Allen Sons Co., Worcester, Mass.
EXCELSIOR felt cleansers—Paper Makers' Chemical Co., Easton, Pa.
EXCELSIOR flour sieves—Leo. Schlesinger & Co., 66 Wooster, New York
EXCELSIOR gas engine power spray pumps—Wm. Stahl Sprayer Co., Quincy, Ill.
EXCELSIOR gauge cocks—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
EXCELSIOR grease traps—Sproul & McGurrin Co., Grand Rapids, Mich.
EXCELSIOR halter trimmings—Frazer & Jones Co., Syracuse, N. Y.
EXCELSIOR harrow attachments—Dexter Co., Fairfield, Ia.
EXCELSIOR hay presses—Collins Plow Co., Quincy, Ill.
EXCELSIOR hose reels—Cardington Cabinet Co., Cardington, Ohio
EXCELSIOR insulating paper—Meirowsky Bros., Jersey City, N. J.
EXCELSIOR kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
EXCELSIOR knitting machine needles—Torrington Co., Lakeport, N. H.
EXCELSIOR knitting & sewing mach. needles—Torrington Co., The Excelsior Plant, successor to Excelsior Needle Co., Torrington, Conn.
EXCELSIOR lawn mowers—Chadborn & Coldwell Co., Newburgh, N. Y.
EXCELSIOR lubricating oils & greases—A. W. Harris & Co., 17 Battery pl, New York
EXCELSIOR lubricating oils & greases—Swan & Finch Co., 165 Broadway, New York
EXCELSIOR lubricating oils & greases—Wm. P. Miller's Sons, Hancock, Long Island City, N. Y.
EXCELSIOR motor cycles—Excelsior Motor Mfg. & Supply Co., 3701 Cortlandt, Chicago, Ill.
EXCELSIOR oiled clothing—H. M. Sawyer & Sons, Cambridge, Mass.
EXCELSIOR overhead washers—Vehicle Specialty Co., Hartford, Conn.
EXCELSIOR packing, deckle straps & hose—Boston Belting Corp., 84 Linden Park, Boston, Mass.
EXCELSIOR papermakers' felts—Bulkley, Dunton & Co., 75 Duane, New York
EXCELSIOR peanut planters—R. W. Whitehurst Mfg. Corp., Norfolk, Va.
EXCELSIOR pumping machinery—Foster Pump Wks., Inc., 36 Bridge, Brooklyn, N. Y.
EXCELSIOR resistance wire—Alloy Metal Wire Co., 154 Nassau, New York
EXCELSIOR rubber valves—Excelsior Valve Co., 108 Fulton, New York
EXCELSIOR sanded wall plaster—Empire Gypsum Co., Rochester, N. Y.
EXCELSIOR shears—Excelsior Tool & Machine Co., 32nd & Ridge, E. St. Louis, Ill.
EXCELSIOR slides—Excelsior Illustrating Co., Inc., 219 6th av, New York
EXCELSIOR soldering flux—Manhattan Electric Supply Co., 17 Park pl, New York
EXCELSIOR soldering flux—National Lead Co., 111 Broadway, New York

EXCELSIOR spray pumps & incubators & brooders—Wm. Stahl Sprayer Co., Quincy, Ill.
EXCELSIOR stamp pads—B. G. Volger Mfg. Co., Passaic, N. J.
EXCELSIOR steam & hot water heaters—Isaac A. Sheppard & Co., Land Title bldg, Phila., Pa.
EXCELSIOR steel—Milnor & Goedman, 17 Bridge, New York
EXCELSIOR stoves—Sharp Mfg. Supply Co., New Phila., Ohio
EXCELSIOR tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
EXCELSIOR trestles—Portland Extn. Ladder & Pole Co., 130 Orange, Newark, N. J.
EXCELSIOR trolley wheels—International Register Co., 15 Throop, Chicago, Ill.
EXCELSIOR valves—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
EXCELSIOR vegetable cutters—Enterprise Mfg. Co. of Pa., 3rd & Dauphin, Phila., Pa.
EXCELSIOR vertical drilling machines—Royersford Foundry & Machine Co., Royersford, Pa.
EXCELSIOR washing machines—Wayne Mfg. Co., 124 Sidney, St. Louis, Mo.
EXCELSIOR weeding hooks—Potter Mfg. Co., Geneva, N. Y.
EXCELSIOR welding compounds—Cortland Specialty Co., Cortland, N. Y.
EXCELSIOR well curbing—E. E. & J. H. Bates, Arlington, Providence, R. I.
EXCELSIOR wing dividers—Wm. Schollhorn Co., New Haven, Conn.
EXCELSIOR wire fences and grates, wire poultry netting, wire picture cords, rust proof wire tree guards, fences, clothes line wire, lath wire, stove pipe wire, fence ratchets, riddle & sieves, screens, wire cloth, wire rope, tow lines, wire gauze splints—Wickwire Spencer Steel Corp., Worcester, Mass.
EXCELSIOR wire wall ties—Church Appliance Mfg. Co., La Salle, Ill.
EXCELSIOR wood split pulleys—Excelsior Pulley Co., Cuba, N. Y.
EXCELSIOR ANCHOR bolting cloth—Hammond-Homberger Co., Silver Creek, N. Y.
EXCELSIOR RED FRICTION belting—Boston Belting Corp., 84 Linden Park, Boston, Mass.
EXCELTILE enameled metal tile—Stengel Bros. Co., Thompson & Chrtrs., Pittsburgh, Pa.
EXECUPLOR electric fixtures—Pettingell-Andrews Co., 166 Pearl, Boston, Mass.
EXEMPLAR insulatting tape, wood cross arms & insulator pins—Pettingell Andrews Co., 166 Pearl, Boston, Mass.
EXETER dry batteries—Stanley & Patterson, 23 Murray, New York
EXETER hot water radiators—Gibson Iron Works, Gibson City, Ill.
EXETER lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
EXIDE storage batteries—Electric Storage Battery Co., 19th & Allegheny av, Philadelphia, Pa.
EXO automobile horns—Troy Auto Specialty Co., Troy, N. Y.
EXPANSION door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
EXPANSION key chains—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
EXPANSION packing—A. W. Chesterton Co., 64 India, Boston, Mass.
EXPANSION RING pipe hangers—Fred. E. Glenn, St. Charles, Ill.
EXPEDITE paint & varnish remover—Pratt & Lambert, Buffalo, N. Y.
EXPERT corn cleaners, fanning mills, grain graders—Cleveland Mfg. Co., Minneapolis, Minn.
EXPERT crucible carbon hack saw blades—Napier Sak Wks., Inc., Springfield, Mass.
EXPERT fishing reels—General Phonograph Corp., 25 W 45th, New York
EXPERT hunting knives—Marble Arms & Mfg. Co., Gladstone, Mich.
EXPORT carbon paper—J. A. Heale & Co., 96 John, New York
EXPORT clothes lines—Estes Mills, Falls River, Mass.
EXPORT typewriter ribbons—J. A. Heale & Co., 96 John, New York
EXPRESS neck yokes—Reno Mfg. Co., Erie, Pa.
EXPRESS vapor lamps—New York Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
EXTRA iron electric engine bolt, stay bolt iron—Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
EXTRA tool steel, the best carbon steel for general use—Halcomb Steel Co., Syracuse, N. Y.
EXTRA CEYLON plumbago—J. S. McCormick & Co., 25th & A. V. R. R. Pittsburgh, Pa.
EXTRA LEAKY pipe strainers—Henry B. Pancoast Co., 950 N. Front, Phila., Pa.
EXTRA PARA rubber belting—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
EXTRA SPECIAL natural color waste—Estes Mills, Fall River, Mass.
EXTRA SPECIAL tool steel for cutting tools—Hammond Steel Co., Inc., Syracuse, N. Y.
EYNON engineers' specialties—Eynon-Evans Mfg. Co., N. 15th & Clearfield, Phila., Pa.
EYNON-KORTING boiler injectors—Eynon-Evans Mfg. Co., N. 15th & Clearfield, Phila, Pa.
EYNON'S milling cutters—Surerus & Greenhill, 502 W. Division, Chicago, Ill.
EZEKIEL PAGE boat oars—New York Boat Oar Co., 69 West, New York
EZI needle threaders—Roeti-Hunt Corp., Putnam, Conn.
EZYCATCH fly traps—Thompson Co., Red Oak, Ia.
EZY-MADE toys—Card Board Toy Co., 1st Wisconsin National Bank bldg, Milwaukee, Wis.
EZY-OUT screw extractors—Cleveland Twist Drill Co., 1 E. 49th, Cleveland, Ohio
EZYTEST burglar alarm window springs—Manhattan Electrical Supply Co., 17 Park pl, New York
F adjustable wrenches—Frank Mossberg Co., Attleboro, Mass.
F. A. switchboards—Frank Adam Electric Co., 904-14 Pine, St. Louis, Mo.
F-A-S burning brands—F. A. Sackmann, 810 Prospect av, Cleveland, Ohio
F. B. C. lock-nuts & washers—Flannery Bolt Co., Vanadium, Pittsburgh, Pa.
F. F. corn planting drills—J. I. Case Plow Works, Racine, Wis.
F. F. knife switches—Geo. Cutter Co., South Bend, Ind.
F.-F shock absorbers—France Mfg. Co., 10360 Berea rd, Cleveland, Ohio
F-F-F-F brattice cloth—Fulton Bag & Cotton Mills, Atlanta, Ga.
F. F. G. semi smokeless powder—King Powder Co., First Nat. Bank bldg., Cincinnati, Ohio
F. F. V. clothes washing machines—Richmond Cedar Works, Fulton, Richmond, Va.
F. F. V. float valves—Henry C. Freshour, Bridgeport, Conn.
F. P. SARGENT gloves—Spencer Glove Co., Waverly, N. Y.
F. P. SARGENT leather gloves—Detroit Leather Specialty Co., 275 Beecher, Detroit, Mich.
F. S. C. benzaldehyde—Chemical Co. of America, 28 Platt, New York
F. & C. & C. ironers—Willey Co., Inc., 1222 Race, Phila., Pa.
F. & E. check protectors—Hedman Mfg. Co., 227 W Erie, Chicago, Ill.
F. & F. Composition red sanitary flooring—Flexner-Taylor Co., Ltd., 786 E B'way, So. Boston, Mass.
F. & J. disc harrows—Madison Plow Co., Madison, Wis.
F. & J. OPEN JACKET gasoline engines—Fuller & Johnson Mfg. Co., Madison, Wis.
F. & J. BEMIS tobacco transplanters—Madison Plow Co., Madison, Wis.
F. & K. bath waste & overflow—Findeisen & Kropf Mfg. Co., 2559 W 21st, Chicago, Ill.
F. & P. gasoline lighting systems—Incandescent Light & Stove Co., Madisonville, Cincinnati, O.
F. & R. machinists' vises—Boker Cutlery & Hardware Co., 101 Duane, New York
F. & R. pipe vises—Fulton Machine & Vise Co., Lowville, N. Y.
F. & S. ball bearings—Bearings Co. of America, Lancaster, Pa.
F. S. S. Ideal pumps—Field & Shorb Co., Decatur, Ill.
F. & W. gasoline engines—Flint & Walling Mfg. Co., Kendallville, Ind.
FABER blow-off valves—Elliott Co., Frick bldg, Pittsburgh, Pa.
FABRADY reamers, twist drills & machine tools, etc. F. A. Brady, 30 Church, New York
FABRIKOID imitation leather—Du Pont Fabrikoid Co., Wilmington, Del.
FAB-RI-KO-NA wall coverings—H. B. Wiggins Sons Co., Bloomfield, N. J.
FABROIL gears & pinions—General Electric Co., Schenectady, N. Y.
FACILE pivoted window hardware—Facile Window Co., 103 Park av, New York
FACILE BABCOCK testers, milk & cream—D. H. Burrell & Co., Little Falls, N. Y.
FAFNIR ball bearings—Fafnir Bearing Co., New Britain, Conn.
FAHERTY cylinder huller knives—French Oil Mill Machinery Co., Piqua, Ohio

FAHNESTOCK battery connectors—National Carbon Co., Madison av, N. W. & W. 117, Cleveland, Ohio
FAHNESTOCK wire connectors—Fahnestock Electric Co., Meadow, Long Island City, N. Y.
FAHRIG babbitt metal—Fahrig Metal Co., 34 Commerce, New York
FAHY permeaters—Holz & Co., Inc., 18 Madison av, New York
FAIR garden cultivators—Brown-Manly Plow Co., Malta, Ohio
FAIRBANK screw drivers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
FAIRBANKS hammers & forging machines—United Hammer Co., 45 Bromfield, Boston, Mass.
FAIRBANKS platform & stock scales—Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
FAIRBANKS scales, scoops, shovels, spades, trucks & valves—Fairbanks Co., 416 Broome, New York
FAIRBANKS-MORSE power & wind mill pumps, oil engines, pumping jacks—Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
FAIRDAY clothes washing machines — Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
FAIRFACTS escutcheons & bathroom accessories, Fairfacts Co., 234 W 14th, New York
FAIRFIELD rubber coated cloth—Du Pont Fabrikoid Co., Wilmington, Del.
FAIRFIELD shower bath—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
FAIRHURST air compressors—American Air Compressor Works, 26 Cortlandt, New York
FAIRMONT gasoline engines—Fairmont Gas Engine & Ry Motor Car Co., Fairmont, Minn.
FAIRMOUNT miners' coal augers & box car loaders—Fairmont Mining Machinery Co., Fairmont, W. Va.
FAIRMONT miners' coal augers—Fairmont Mining Machinery Co., Fairmont, W. Va.
FAIRMOUNT tools—Fairmount Tool & Forging Co., 10611 Quincy av, Cleveland, Ohio
FAIRY hame fasteners—Covert Saddlery Works, Interlaken, N. Y.
FAIRY hose nozzles—Boston Woven Hose & Rubber Co., Cambridge, Mass.
FAIRY hose nozzles—Landers, Frary & Clark, New Britain, Conn.
FAIRY ladders—Frizell Ladder Co., 135 Granite av, Boston, Mass.
FAIRY lawn swings—Challenge Co., Batavia, Ill.
FAIRY radical gas heaters—Lawson Mfg. Co., Homestead, Pa.
FAIRY spray nozzle—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
FAIRY velocipedes—Colson Co., Elyria, O.
FAIRY QUEEN gas irons—Central Flatiron Mfg. Co., Johnson City, N. Y.
FALCON crayons—Standard Crayon Mfg. Co., Danvers, Mass.
FALCON fire alarm signal boxes—J. H. Bunnell Co., 32 Park pl, New York
FALCON fixture wrenches—Yost Electric Mfg. Co., Toledo, Ohio
FALCON waste plug spanners—J. H. Williams & Co., 31 Richards, Brooklyn, N. Y.
FALES PATENT bench planes—Otis A. Smith, Rockfall, Conn
FALK gasoline engines—Advance-Rumely Co., La Porte, Ind.
FALK herringbone cut gears—Falk Co., ft. 30th, Milwaukee, Wis.
FALLS friction clutches—Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio
FALLS NEVERSLIP rubber tires—Falls Rubber Co., Cuyahoga Falls, Ohio
FAMA fire-proof floors—Minnesota Fama Stonewood Co., St. Paul, Minn.
FAMILY butchers' cleavers — Forsyth Metal Goods Co., E. Aurora, N. Y.
FAMILYLITE illuminating oil—Texas Co., 17 Battery pl, New York
FAMOUS baling presses—Famous Mfg. Co., East Chicago, Ind.
FAMOUS boiler compounds — Northrop Lubricating Oil Co., 308 N. Commercial av, St. Louis, Mo.
FAMOUS closet seats—C. F. Church Mfg. Co., Holyoke, Mass.
FAMOUS ensilage feed & fodder cutters—Jos. Dick Mfg. Co., Canton, Ohio
FAMOUS kitchen knives, kitchen sets—American Cutlery Co., 764 Mather, Chicago, Ill.
FAMOUS ladders — Goshen Churn & Ladder Co., Goshen, Ind.
FAMOUS lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
FAMOUS oil filters—Northrop Lubricator Co., 308 N. Commercial av, St. Louis, Mo.



FAMOUS universal wood working machines, saw filing & setting machines—Sidney machine Tool Co., Sidney, O.
FAMOUS BURTON bob sleds—Thornburgh Mfg. Co., Bowling Green, Ohio
FAMOUS OHIO cultivators & beet pullers—Ohio Cultivator Co., Bellevue, Ohio
FAMOUS ST. JOE riding & walking listers—St. Joseph Plow Co., St. Joseph, Mo.
FAN automobile belts—J. H. Haney & Sons, Omaha, Neb.
FANEUIL lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
FANNIE pig iron—United Iron & Steel Co., Cleveland, Ohio
FANNING lemon squeezers—J. P. Fanning, 678 Jefferson av, Brooklyn, N. Y.
FARADAY electric bells—Stanley & Patterson, 23 Murray New York
FARGO spring tooth harrows—Genesee Valley Mfg. Co., Mt. Morris, N. Y.
FARLEY cocks & bibbs—Crampton-Farley Brass Co., Kansas City, Mo.
FARLOW draft gear—T. H. Symington Co., Md. Trust bldg, Baltimore, Md.
FARMER BOY tractors—McIntyre Mfg. Co., Columbus, Ohio
FARM KING hand forks—Union Fork & Hoe Co., Columbus, Ohio
FARM KING sulky plows—Rockford Mfg. Co., Rockford, Ill.
FARM QUEEN gang plows—Rockford Mfg. Co., Rockford, Ill
FARM SPECIAL tool & sickle grinders—Luther Grinder Mfg. Co., 285 S. Water, Milwaukee Wis.
FARMERS' gang press wheel attachments—American Seeding Machine Co., Springfield, Ohio
FARMERS' root cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
FARMERS' FAVORITE fanning mills—Johnson & Field Mfg. Co., Racine, Wis.
FARMERS' FAVORITE grain drills & rice planting drills—American Seeding Machine Co., Springfield, Ohio
FARMERS FRIEND cart sprayer—Deming Co., Salem, O.
FARMERS' FRIEND farm boilers—A. Buch's Sons Co., Elizabethtown, Pa.
FARMERS' FRIEND fertilizer distributors—Wirtz & Hernlen, Augusta, Ga.
FARMERS' FRIEND portable grain elevators—Cizek Bros. Mfg. Co., Clutier, Ia.
FARMERS' FRIEND portable grain elevators—G. & D. Mfg. Co., Streator, Ill.
FARMERS' FRIEND straw stackers—Indiana Mfg. Co., Merchants Bank bldg, Indianapolis, Ind.
FARMERS HANDY feed cookers—Empire Mfg. Co., Quincy, Ill.
FARNHAM vacuum rolls—Farnham Mfg. Co., 39 Indiana, Buffalo, N. Y.
FARNLEY iron—Houghton & Richards, 145 Oliver, Boston, Mass.
FARQUHAR hot air furnaces & furnace regulators—Farquhar Furnace Co., Wilmington, Ohio
FARQUHAR steam & gas traction engines—A. B. Farquhar Co., Ltd., York, Pa.
FARRELL grapple forks—Jno. Farrell & Son, Newton, N. J.
FARRIS sand bands—Concord Axle Co., Penacook, N. H.
FARWELL gear hobbing, gear testing, fdry molding, milling machines, reamer grinders—Adams Co., Dubuque, Ia.
FASSETT signal lamps—Dressel Railway Lamp Works, 3868 Park av, New York
FASSMACHT wire bound boxes—Plymouth Novelty Mfg. Co., Plymouth, Ind.
FAST mail double-acting pumps—Flint & Walling Mfg. Co., Kendallville, Ind.
FASTFEED drills, reamers—Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York
FAST RUNNER ice creepers—Norlund Mfg. Co., Williamsport, Pa.
FAUGHT'S closed hub wheels—Lobdell Car Wheel Co., Wilmington, Del.
FAULITES deflecting automobile lenses—Madden Glass Co., Aberdeen, S. Dak.
FAULKNER-ELLIS course indicators—John Hand & Sons Co., 208 Chestnut, Phila., Pa.
FAULTLESS axes—Romer Axe Co., Dunkirk, N. Y.
FAULTLESS bed & furniture casters—Faultless Caster Co., Evansville, Ind.
FAULTLESS conductor pipe hooks—Klauer Mfg. Co., Dubuque, Ia.
FAULTLESS cocks & bibbs—J. J. Ryan & Co., 100 S. Jefferson, Chicago, Ill.

FAULTLESS dial thermometers—C. J. Tagliabue Mfg. Co., 18 33rd, Brooklyn, N. Y.
FAULTLESS door rollers—Lawrence Bros., Sterling, Ill.
FAULTLESS fly swatters—Wickwire Spencer Steel Corp., Worcester, Mass.
FAULTLESS garment hangers—National Hanger & Fixture Mfg. Co., 496 E. 134th, New York
FAULTLESS hay fork pulleys, door hangers, barn door rails, pump stands—F. E. Myers & Bro., 900 Fourth, Ashland, Ohio
FAULTLESS hoes—Union Fork & Hoe Co., Columbus, Ohio
FAULTLESS hospital stretchers—H. D. Dougherty & Co., 17th & Indiana av, Phila., Pa.
FAULTLESS hot air furnaces & stoves—Graff Furnace Co., 61 Wooster, New York
FAULTLESS insulating compounds—Candy & Co., 403 N. Paulina, Chicago, Ill.
FAULTLESS metal polish—Hawkeye Oil Co., Waterloo, Iowa.
FAULTLESS packing—Hoyt Metal Co., Boatmen's Bank bldg, St. Louis, Mo.
FAULTLESS paint & varnish remover—Geo. E. Watson Co., 62 W. Lake, Chicago, Ill.
FAULTLESS parting compounds—Hill-Griffith Co., 1262 State av, Cincinnati, Ohio
FAULTLESS pen & pencil clips—L. D. Van Valkenburg, Holyoke, Mass.
FAULTLESS pumps—F. E. Myers & Bro., Ashland, Ohio
FAULTLESS ranges—Faultless Iron Works, St. Charles, Ill.
FAULTLESS reducing wheels—Trill Indicator Co., Corry, Pa.
FAULTLESS stay rolls—Lawrence Bros., Sterling, Ill.
FAULTLESS step ladders—Goshen Mfg. Co., Goshen, Ind.
FAULTLESS stump pullers—R. S. Caward, Cresco, Ia.
FAULTLESS unloaders—F. E. Myers & Bro., Ashland, Ohio
FAULTLESS v. v. fountain pen clips—L. D. Van Valkenburg, Holyoke, Mass.
FAULTLESS water closets—Kretschmer Mfg. Co., Dubuque, Ia.
FAULTLESS yarn hand dusters—Universal Brush Co., 181 Quincy, Chicago, Ill.
FAVARIT—steel tray barrows—J. W. Conner & Son, Orangeville, Pa.
FAVORITE alligator hay presses—J. A. Spencer, Dwight, Ill.
FAVORITE bath brushes—Standard Brush Co., New Hartford, Conn.
FAVORITE bob sleds—Sheboygan Coaster & Wagon Works, Sheboygan, Wis.
FAVORITE ceiling hooks—E. Jencks Mfg. Co., Worcester, Mass.
FAVORITE chalk & masons' lines—Lees Mfg. Co., Westport, Conn.
FAVORITE churns—Dobson Mfg. Co., Rockford, Ill.
FAVORITE clam shell buckets—G. H. Williams Co., Erie, Pa.
FAVORITE clothes dryers—Williamson Heater Co., 339 W 5th, Cincinnati, Ohio
FAVORITE confectioner's furnace—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
FAVORITE cork pullers—Arcade Mfg. Co., Freeport, Ill.
FAVORITE flour sieves—Fred J. Meyers Mfg. Co., Hamilton, Ohio
FAVORITE flue blowers—Sherwood Mfg. Co., 1710 Elmwood av, Buffalo, N. Y.
FAVORITE gang press wheel attachments—American Seeding Machine Co., Springfield, Ohio
FAVORITE gas ranges—Favorite Stove & Range Co., Piqua, Ohio
FAVORITE gauge glass cutters—H. A. Rogers Co., 87 Walker, New York
FAVORITE glass cutters—Browne & Dowd Mfg. Co., Meriden, Conn.
FAVORITE glass cutters—Fletcher, Terry Co., Forestville, Conn.
FAVORITE glass cutters—J. E. Miller & Co., 330 W. Kinzie, Chicago, Ill.
FAVORITE harrows & pulverizers—Parlin & Orendorff Co., Canton, Ill.
FAVORITE incubators & brooders—Leahy Mfg. Co., Higginsville, Mo.
FAVORITE kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
FAVORITE knife & scissors grinders & lawn mower sharpeners—Fate-Root-Heath Co., Plymouth, O.
FAVORITE lawn mowers—American Lawn Mower Co., Muncie, Ind.
FAVORITE overhead cut-off saws—J. W. Conner & Son, Orangeville, Pa.
FAVORITE packing—Acme Rubber Mfg. Co., Trenton, N. J.
FAVORITE packing—American Steam Packing Co., 165 High, Boston, Mass.
FAVORITE pincers—Champion Tool Co., Meadville, Pa.
FAVORITE spray pumps & valve grinders—New Favorite Mfg. Co., 183 W. Maple, Columbus, Ohio
FAVORITE stove lid lifters—Grey Iron Casting Co., Mt. Joy, Pa.
FAVORITE stoves—Pittston Stove Co., Pittston, Pa.
FAVORITE tank heaters—Challenge Co., Batavia, Ill.
FAVORITE threshers—J. W. Connor & Son, Orangeville, Pa.
FAVORITE tube scrapers—Stewart Heater Co., N. Tonawanda, N. Y.
FAVORITE water coolers—Hale & Kilburn Co., 18th & Lehigh av, Phila., Pa.
FAWCUS cut glass & special mach.—Fawcus Machine Co., 2818-2828 Smallman, Pittsburgh, Pa.
FAWSCO spark plugs, auto fuses & steel socket wrenches—J. H. Faw, Inc., 27 Warren, New York
FAY calipers & dividers—L. S. Starrett Co. (The), Athol, Mass.
FAY cam cutting machines & engine lathes—Fay Machine Tool Co., 2nd & Glenwood av, Phila., Pa.
FAY'S scroll saws—Henry Disston & Sons, Tacony, Phila., Pa.
FEARLESS manure spreaders—Harder Mfg. Co., Cobleskill, N. Y.
FEARLESS manure spreaders—Walter A. Wood, Hoosick Falls, N. Y.
FEARLESS ranges—Faultless Iron Works, St. Charles, Ill.
FEATHER mercury testing columns—N. B. Feather, Hackett, Newark, N. J.
FEATHERBONE whips—Featherbone Whip Co., Westfield, Mass.
FEATHEREDGE sponge rubber—Featheredge Rubber Co., 458 W. Grand av, Chicago, Ill.
FEATHERLIGHT fishing reels—General Phonograph Corp., 25 W 45th, New York
FEATHERLITE metallic packing—Strong Machinery & Supply Co., 21 Walker, New York
FEATHERWEIGHT card tables—E. T. Burrowes Co., Portland, Me.
FEATHERWEIGHT eye shades—Featherweight Eyeshade Co., Merchantville, N. J.
FEATHERWEIGHT ice creepers—J. M. Warren & Co., Troy, N. Y.
FEATHERWEIGHT FLEXIBLE rulers—Westcott-Jewell Co., Seneca Falls, N. Y.
FEDERAL adding machine—Federal Adding Machine Corp., York & Grove, New Haven, Conn.
FEDERAL belting—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
FEDERAL boiler compounds—Federal Graphite Mills, 2639 E. 79th, Cleveland, Ohio
FEDERAL concrete hardeners—Federal Steel Cement Mills, 2639 E. 79th, Cleveland, Ohio
FEDERAL drill & tool steel—Federal Tool & Alloy Steel Corp., 233 B'way, New York
FEDERAL dry core compounds & steel foundry facings—Federal Foundry Supply Co., 2639 E 79th, Cleveland, O.
FEDERAL dustless ash sifter cans, damper clips & furnace cleaners—Federal Stamping Co., Holland, Mich.
FEDERAL elastic cements—Federal Process Co., Cleveland, Ohio
FEDERAL emery wheel dresses & cutters—Federal Machine Products Co., Farnsworth & Beaufait, Detroit, Mich.
FEDERAL folding clothes racks—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
FEDERAL incandescent lamps—Federal Miniature Lamp Division Nat'l Lamp Works of G. E. Co., 920 S Michigan av, Chicago, Ill.
FEDERAL metallic lockers—Federal Steel Fixture Co., 8700 S. Halsted, Chicago, Ill.
FEDERAL packing & steam hose—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
FEDERAL planing machines—E. E. Bartlett, 326 A, Boston, Mass.
FEDERAL plow clevises—Federal Malleable Co., West Allis, Wis.
FEDERAL punches, bench shears, wire straightening machines, rod & wire cutters—Chandler & Farquhar Co., 36 Federal, Boston, Mass.
FEDERAL water filters—Loomis Manning Filter Distributing Co., 37th & Reed, Phila., Pa.
FEDERAL GASOILA pipe cements & varnishes—Federal Process Co., Cleveland, Ohio

FEDERALITE packing mfrs.—Federal Metallic Packing Co., 48 Hanover, Boston, Mass.
FEHY hose couplings—Elkhart Brass Mfg. Co., Elkhart, Ind.
FEIST trolley harps—Electrical Material Co., 618 W Jackson blvd, Chicago, Ill.
FELDING flush plugs—H. T. Paiste Co., 3201 Arch, Phila., Pa.
FELLSEN pneumatic tires—Fellsen Tire Co., 1995 Broadway, New York
FELTEX saturated felts—Philip Carey Mfg. Co., 330 Wayne av, Lockland, Cincinnati, Ohio
FELTHOUSEN gauge cocks—Sherwood Mfg. Co., 1710 Elmwood av, Buffalo, N. Y.
FELTOID bed & furniture casters—Burns & Bassick Co. Div. of the Bassick Co., Bridgeport, Conn.
FELTOID window anti-rattlers—Peabody, Henry W., & Co., 17 State, New York
FELTOLIN floor coverings—Cook's Linoleum Co., Trenton, N. J.
FELTON conduit wiring & sewer rods—Waldo Bros. & Bond Co., 181 Congress, Boston, Mass.
FEMA closet seats—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
FEMBRO spray nozzles—F. E. Myers & Bro., 900 4th, Ashland, Ohio
FEMCO bath & basin traps & waste—Frost Mfg. Co., Kenosha, Wis.
FENDEN lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
FENESTRA rolled steel window frame—Detroit Steel Products Co., 2250 E. Grand blvd, Detroit, Mich.
FENIX copper heat resistance wire for railway induction motor winding—General Electric Co., Schenectady, N. Y.
FENN gear cutter grinders, bench drilling machines—Fenn Mfg. Co., 385 Broad, Hartford, Conn.
FENN'S post hole augers—Fenn Mfg. Co., Charlotte, Mich.
FENN rotary ventilators—Fenn Ventilator Co., 94 Blackstone, Boston, Mass.
FEPS carbureters—Schoen-Jackson Co., Media, Pa.
FERALUN brake shoes, stair treads—American Abrasive Metals Co., 50 Church, New York
FERGUSON electric desk lights—J. Alexander Mfg. Co., 1991 Broadway, New York
FERGUSON flue welding machines—Jos. T. Ryerson & Son, 2558 W. 16th, Chicago, Ill.
FERGUSON gasoline engines—Ferguson Mfg. Co., Waterloo, Iowa
FERGUSON locomotive fire kindler & flue welding, forging & roll tempering furnaces—Railway Materials Co., Railway Exch. bldg, Chicago, Ill.
FERGUSON rain gauges—International Instrument Co., 23 Church, Cambridge, Mass.
FERGUSON tackle blocks—Pittsburgh Block & Mfg. Co., 818 South av, Pittsburgh, Pa.
FERGUSON tube expanders—A. L. Henderer's Sons, Wilmington, Del.
FERNALD trace holders—Fernald Mfg. Co., North East, Pa.
FERNOLEUM shingle stains—A. Wilhelm Co., Reading, Pa.
FEROFILM scale preventive—Ferofilm Co., Utica, N. Y.
FEROX iron oxide paints—Hammond Process Co., Norwich, Conn
FERREN can openers—Goodell Co., Antrim, N. H.
FERRENEWO valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
FERRET automobile wrenches—Pedersen Mfg. Co., 636 1st av, New York
FERRO case hardening compounds—C. G. Buchanan Chemical Co., 4650 Baker av, Cincinnati, Ohio
FERRO grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
FERRO iron cements—H. W. Johns-Manville Co., Madison av & 41st, New York
FERRO CASE compounds—C. G. Buchanan Chemical Co., 118 E Pearl, Cincinnati, Ohio
FERROCAL heat treating wire baskets—C. O. Jelliff Mfg. Corp., Southport, Conn.
FERROINCLAVE fire-proof floors, concrete reinforcing materials & construction—Brown, Hoisting Machinery Co., 4403 St. Clair, N. E., Cleveland, Ohio
FERROLITHIC concrete reinforcing materials—Berger Mfg. Co., Canton, Ohio
FERROSTAT vacuum bottles—Stanley Insulating Co., Great Barrington, Mass.
FERRO TEX waterproofing materials—Monitor Oil Co., Cleveland, Ohio
FERY radiation pyrometers—Taylor Instrument Companies, Rochester, N. Y.
FETTA filtering & purifying plants & water softening apparatus—Richmond Water Softener Co., Box 128, Richmond, Ind.



FETTER'S sardine scissors—C. S. Osborne & Co., Box 183, Newark, N. J.
FETZER harrows, drills, grass seeders, potato planters, plows, seeders & sowers—Fetzer & Co., Springfield, Ill.
FIBERITE packing—A. W. Chesterton Co., 64 India, Boston, Mass.
FIBERITE packing mfrs.—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
FIBERLIC wall boards—MacAndrews & Forbes Co., 200 5th av, New York
FIBERTAN packing—Penna. Petroleum & Supply Co., 115 N. 2nd, Philadelphia, Pa.
FIBO asbestos brake lining & sheet packing—Asbestos Fibre Spinning Co., North Wales, Pa.
FIBRASOTE binder board—W. O. Davey & Sons, 169 Laidlaw av, Jersey City, N. J.
FIBREBESTOS packing—Akron Metallic Gasket Co. Akron, Ohio
FIBRECOATING asphalt & asbestos roofing—Phillip Carey Mfg. Co., 330 Wayne av, Cincinnati, Ohio
FIBRE-CLAD weatherproof wire—Peerless Insulated Wire & Cable Co., 90 West, New York
FIBREFLAX cordage & twine—American Mills Co., Atlanta, Ga.
FIBRE HYDE romid belt lacing—Geo. W. Southwick Co., Stamford, Conn.
FIBREROCK asbestos roofing—Phillip Carey Mfg. Co., 330 Wayne av, Lockland, Cincinnati, Ohio
FIBREX tree wire—Simplex Wire & Cable Co., 201 Devonshire, Boston, Mass.
FIBRINE insulating washers—Jno. M. Fox & Co., Portland, Me.
FIBRO closet seats—Columbus Brass Co., Columbus, Ohio
FIBRO-METALLIC asbestos packing—General Asbestos & Rubber Co., Charleston, S. C.
FIBROTTA fibre pails & cuspidors—Fibre Corporation, Lockport, N. Y.
FIBROTTA paper fibre products—Cordley & Hayes, 7 Leonard, New York
FIDELITY cotton & wool waste—J. Hilton Hagy Waste Works, 836 S. Swanson, Phila, Pa.
FIDELITY rubber hose & packing—National India Rubber Co., Bristol, R. I.
FIDELITY rubber packing—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
FIDELITY steam traps—Monash-Younker Co., 1407 W. Jackson blvd, Chicago, Ill.
FIEBING'S hoof dressing, harness soap, lusterine polish Fiebing Chemical Co., 240 Reed, Milwaukee, Wis.
FIELD drag line excavators—Clyde Iron Works Sales Co., Duluth, Minn.
FIELD gasoline engines—Field-Brundage Engine Works, Jackson, Mich.
FIELD tower excavators—Clyde Iron Works Sales Co., Duluth, Minn.
FIELDCO leather gaskets, flexible & fibre packing, felt, fibre, lead & leather, paper, plumbers, vehicle, etc., washers—R. B. Field & Co., Worcester, Mass.
FIELDING junction boxes, stage & receptacle plugs—Stanley & Patterson, 23 Murray, New York
FIELDING receptacles—H. T. Paiste Co., 3201 Arch, Phila., Pa.
FIELDS tomato pulp cookers—U. S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.
FILE 'EM QUICK skate sharpeners—Osborn Mfg. Co., 5404 E. Hamilton, Cleveland, Ohio
FILEINE cutting oils—E. F. Houghton & Co., 240 W. Somerset, Phila., Pa.
FILL-IT iron & steel filler & pipe joint cements—Doggett Stanley, 11 Cliff, New York
FILSMITH engine lathes—Philip Smith Mfg. Co., Sidney, Ohio
FILTCHAR carbon—Industrial Chemical Co., 200 5th av, New York
FILTER-CEL filtering materials—Celite Products Co., 11 B'way, New York
FIL-TITE putty powder—F. W. Thurston Co., 1832 S. Clark, Chicago, Ill.
FILTROLA coffee percolators—Crystal Percolator Co., 44 E. 23rd, New York
FINCH turf edgers—Standard Earth Auger Co., 1128 Newport av, Chicago, Ill.
FINERY snap fasteners—Federal Snap Fastener Corp., 27 W. 31st, New York
FINGARBRITE hand soap—Rath Mfg. Co., Hedley & Richmond, Phila., Pa.
FINLAYSON wire rope tramways—McFarlane Mfg. Co., Denver, Colo.
FINNELL floor scrubbing machines—Finola Mfg. Co., Hannibal, Mo.
FINNEY safety razors—H. C. Hart Mfg. Co., Unionville, Conn.

FIREARMS PET hose nozzles—Elkhart Brass Mfg. Co., Elkhart, Ind.
FIRE FELT locomotive lagging—H. W. Johns-Manville Co., Madison av & 41st, New York
FIRE FLY fire extinguishers—Northwestern Chemical Co., Marietta, Ohio
FIREFLY garden weeders & steering sleds—S. L. Allen & Co., 5th & Glenwood, Phila., Pa.
FIRE FLY spark plugs—Sharp Spark Plug Co., C. A. C. bldg, Cleveland, Ohio
FIRE-FLY storage batteries—Hoosier Storage Battery Co., Evansville, Ind.
FIREFOAM fire extinguishers—Erwin Mfg. Co., Montgomeery bldg, Milwaukee, Wis.
FIRE FOE fireproof paints—Price Fire & Waterproofing Co., Poughkeepsie, N. Y.
FIRE GUN fire extinguishers—Fire Gun Mfg. Co., 115 4th av, New York
FIRE KING fire extinguishers & hose—Henry K. Barnes Co., 234 Devonshire, Boston, Mass.
FIRE KING gas heaters, laundry stoves, ranges—A. Weiskittel & Son Co., 12th & E. Lombard, Baltimore, Md.
FIRE KING hose nozzles—Sieben Chemical Spraying Nozzle Co., Kansas City, Mo.
FIRESIDE cobblers' outfit—Fate-Root-Heath Co., Plymouth, Ohio
FIRESTONE rubber tires, tire cements, horse shoe pads, tire repair plugs, auto rims & tire sleeves—Firestone Tire & Rubber Co., Akron, Ohio
FIRE WARDEN fire extinguishers—Knight & Thomas, 212 Summer, Boston, Mass.
FIRMA gauge glasses—Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
FIRMUS hot die steel—Hammond Steel Co., Inc., Syracuse, N. Y.
FIRO high pressure square packing—New York Belting & Packing Co., 91 Chambers, New York
FIRST kitchen cabinets—Faultless Iron Works, St. Charles, Ill
FISCHER pianos—J. & C. Fischer, 417 W. 28th, New York
FISCHER'S double box blocker machines—Fischer Machine Works, 1845 Carroll av, Chicago, Ill.
FISH oven builders—Fish Rotary Oven Co., Walworth, Wis.
FISHER anvils & vises—Fisher & Norris, Trenton, N. J.
FISHER automatic ventilators—Fisher Martin & Sons, 438 Pearl, Buffalo, N. Y.
FISHER pump governors—Fisher Governor Co., Marshalltown, Ia.
FISHER ventilators—Martin Fisher & Sons, 438 Pearl, Buffalo, N. Y.
FISHER'S heavy duty roller bearing mine car wheels—Fisher Mine Equipment Co., W. Newton, Pa.
FISK electric heaters—W. G. Nagel Elec. Co., Toledo, Ohio
FISK rubber tires—Fisk Rubber Co., Chicopee Falls, Mass.
FISKE'S lubricating oils & greases—Fiske's Bros. Refining Co., 24 State, New York
FISKLOCK brick front—Fiske & Co., Inc., 40 W. 32d, New York
FITALL pipe straps—Twisted Wire & Steel Co., 437 11th av, New York
FITALL shoe trees & stretchers—A. R. Anderson & Co., Arlington, N. J.
FITCH china kilns—Stearns, Fitch & Co., Springfield, Ohio
FITCHBURG files—Simonds Mfg. Co., Fitchburg, Mass.
FITCHBURG steam engines—Fitchburg Steam Engine Co., Fitchburg, Mass.
FITCHBURG stop & waste cocks—Hamlin & Emery Brass Co., 49 Island, Boston, Mass.
FITCHBURG universal grinders—Fitchburg Grinder Co., Fitchburg, Mass.
FITZGERALD prepared plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
FIVE electric vacuum cleaners—Hurley Machine Co., Cicero, Ill.
FIVE IN ONE air gauges—Precision Instrument Co., 21 Halsey, Newark, N. J.
FIVE IN ONE spring exerciser—Peerless Exerciser Co., 383 Pearl, Brooklyn, N. Y.
FIVE-MINUTE-CURE tire cements—American Tire & Rubber Co., Akron, Ohio
FIX-ALL cement—Harrison Supply Co., 209 Washington, Boston 9, Mass.
FIXED nozzle boiler injectors—Rue Mfg. Co., 228 Cherry, Phila., Pa.
FIXIT office & library paste—Clark Paper & Mfg. Co., Rochester, N. Y.
FLAG padlocks—Slaymaker Lock Co., Lancaster, Pa.
FLAHERTY carboy rockers—Elmer & Amend, 205 3rd av, New York
FLAMEBLAST gas electric blow torches—North American Mfg. Co., 5904 Carnegie av, Cleveland, Ohio
FLAMOR flaming arc lamps—Chas. Hagstedt, 139 E. 54th, New York
FLANDERS electric automobile horns—Flanders Co., Owen bldg, Detroit, Mich.
FLANGETITE packing mfrs., flexible fibre & sheet packing—Dominion Asbestos & Rubber Corp, 154 Nassau, New York
FLASH roof flanges—Prier Brass Mfg. Co., Kansas City, Mo.
FLASH silver polish & antiseptic hand & liquid cleaner soap & aluminum cleanser—Flash Chemical Co., 160 2nd, Cambridge, Mass.
FLASH CAFO CEAR insecticides—Flash Chemical Co., 160 2nd, Cambridge, Mass.
FLASH CREOTHOL disinfectants—Flash Chemical Co., 160 2nd, Cambridge, Mass.
FLASH HARD WATER HAND PUMICE soap—Flash Chem. Co., 160 2nd, Boston, Mass.
FLASH VEGETOL automobile oil soap—Flash Chemical Co., 160 2nd, Cambridge, Mass.
FLAT O'ROLL toilet paper holders—S. J. Bens Mfg. Corp., Herkimer, N. Y.
FLATTINE wall finish—Standard Varnish Works, 90 West, New York
FLAXLINUM insulation deadening felts & sound proofing material—Northern Insulating Co., St. Paul, Minn.
FLAXLINUM KEYBOARDS deadening felts—Northern Insulating Co., St. Paul, Minn.
FLAXOAP linseed oil soap—Sherwin-Williams Co., Cleveland, Ohio
FLAXO-SAIL cordage & twine—American Mills Co., Atlanta, Ga.
FLEETWING steering sleds—Auto-Wheel Coaster Co., North Tonawanda, N. Y.
FLEETWOOD horse brushes—Standard Brush Co., New Hartford, Conn.
FLEMING lawn swings—Fleming & Sons Mfg. Co., Huntsville, Mo.
FLEMING shoe soling sewing machines—Landis Machine Co., 25th & Mullanphy, St. Louis, Mo.
FLEMING steam engines—Harrisburg Fdry. & Machine Works, Harrisburg, Pa.
FLENTJE shock absorbers—Flentje, Ernst, 1643 Cambridge, Cambridge, Mass.
FLETCHER friction clutches—Fletcher Works, Linwood av & 2nd, Phila., Pa.
FLETCHER insulated racks—Fletcher Mfg. Co., Dayton, Ohio
FLETCHER'S dye tubs—J. I. Terhune, 164 Ward, Paterson, N. J.
FLEUR-DE-LIS dry batteries—French Battery & Carbon Co., Madison, Wis.
FLEX clamp ground connection clamps—Novelty Electric Co., 50 N. 4th, Phila., Pa.
FLEX-A-TILE asphalt shingles—Heppes-Nelson Roofing Co., 4500 Fillmore, Chicago, Ill.
FLEX-A-TILE-ROOFING ready asphalt—Heppes-Nelson Roofing Co., 4500 Filmore, Chicago, Ill.
FLEXIBLE belt dressing—Burr Oak Belting Co., 521 Livingston, Cincinnati, Ohio
FLEXIBLE belt fasteners & belt lacing—Columbia Novelty Mfg. Co., 1431 N. 8th, St. Louis, Mo.
FLEXIBLE laundry starch—Corn Products Refining Co., 17 Battery pl, New York
FLEXIBLE rawhide belting—Wm. Coupe Co., Ltd., South Attleboro, Mass.
FLEXIBLE trolley brackets—Creaghead Engineering Co., 340 Main, Cincinnati, Ohio
FLEXIBLE FLYER children's steering sleds—S. L. Allen & Co., 5th & Glenwood, Phila., Pa.
FLEXIBLE SUPPORT shaking screens—Link-Belt Co., 329 W. 39th, Chicago, Ill.
FLEXITE flat belting—F. Raniville Co., Grand Rapids, Mich.
FLEXITE paints—Standard Paint Co., 233 Broadway, New York
FLEXITE sheet packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
FLEXITE BALATA belting—Boston Belting Corp., 84 Linden Park, Boston, Mass.
FLEXNER nail sound-proof cushions & fireproof nailing courses—Flexner-Taylor Co., Ltd., 786 E. Broadway, S. Boston, Mass.
FLEXO aero radiators—Flexo Mfg. Co., 1312 E 12th, Los Angeles, Cal.
FLEXO automobile belts—Detroit Leather Works, 141 E Lafayette, Detroit, Mich.
FLEXO HAMMERED piston rims—Nilson Miller Co., Hoboken, N. J.
FLEXO incandescent gas mantles—Peerless Light Co., 663 W. Washington blvd, Chicago, Ill.
FLEXO plumbers' washers—Woodward-Wanger Co., 1106 Vine, Phila., Pa.

FLEXOL carriage top dressing & waterproofing materials—Flexol Co., 31 W. 31st, New York
FLEXOLE belt dressing—E. N. Pike & Son, 93 Broad, Boston, Mass.
FLEXOTILE sanitary flooring—Flexotile Floor Co., Rockford, Ill.
FLEXOTYPE duplicators — American Multigraph Sales Co., 1832 E. 40th, Cleveland, Ohio
FLEXSTEEL conduits—National Metal Molding Co., 1110 Fulton bldg., Pittsburgh, Pa.
FLEXTUBE non-metallic flexible conduit—National Metal Molding Co., 1110 Fulton bldg, Pittsburgh, Pa.
FLINT cement & wood fibre plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
FLINT EDGE axe & scythe—Kelly Axe Mfg. Co., Charleston, W. Va.
FLINT-O-LITE concrete hardeners & sanitary flooring—Frank D'Josup, 133 W. Washington, Chicago, Ill.
FLINT-RIM wheels—Link-Belt Co., 329 W 39th, Chicago, Ill.
FLINTSTONE belting—Edward R. Ladew Co., 54 Franklin, New York
FLISCREEN window screens—H. C. Parlee & Co., 25 Haverhill, Boston, Mass.
FLODIN self-oiling wheels—Lake Shoe Engine Works, Marquette, Mich.
FLO-EZE ink—Ink Ribbon Mfg. Co., 635 Howard, San Francisco, Cal.
FLOORCOTE floor finish—Wm. Waterall & Co., Camden, N. J.
FLOORENITE floor finish—Atlantic Varnish Works, Inc., Richmond, Va.
FLOOR FLAT LAC floor finish—Emil Calman & Co., 100 William, New York
FLOORSTONA floor finish— Keystone Varnish Co., 71 Otsego, Brooklyn, N. Y.
FLORA radical gas heaters—Lawson Mfg. Co., Homestead, Pa.
FLORA water closets—Central Metal & Supply Co., 611 E. Lombard, Baltimore, Md.
FLORADORA insect guns—Thos. W. Houchin Co., 36 E. 12th, New York.
FLORAL steam & hot water heaters—Monroe Foundry & Furnace Co., Monroe, Mich.
FLORAL CITY hot air furnaces, steam & hot water heaters—Monroe Foundry & Furnace Co., Monroe, Mich.
FLORAN collar shaping machines & seam dampening machines—Chicago Laundry Machinery Co., 213 W. Grand, Chicago, Ill.
FLOREDOME tile floor steel—Truscon Steel Co., Youngstown, O.
FLORENCE oil stoves & heaters—Central Oil & Gas Stove Co., Gardner, Mass.
FLORENCE pig iron—Sloss Sheffield Steel & Iron Co., Birmingham, Ala.
FLORENCE sewing machine—A. G. Mason Mfg. Co., St. Clair & E. 79th, Cleveland, Ohio
FLORENCE wagons—Florence Wagon Co., Florence, Ala.
FLORENTINE fresco colors—Devoe & Raynolds Co., 101 Fulton, New York
FLORENTINE hot water radiators—U. S. Radiator Corp., 133 E. Grand River, Detroit, Mich.
FLORENTINE SHELL PYRALINE toilet articles—The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.
FLORETYLE tile floor steel—Truscon Steel Co., Youngstown, O.
FLORIAN deadening felts—Bird & Son, East Walpole, Mass.
FLORIDA mine car wheels—Lake Shore Engine Works, Marquette, Mich.
FLORIDIN Fuller's earth—Floridin Co., Warren, Pa.
FLOUR CITY kerosene tractors—Kinnard & Sons Mfg. Co., 44th av, N & Bryant, Minneapolis, Minn.
FLOWER electrical brush holders—D. B. Flower, 1217 Spring Garden, Philadelphia, Pa.
FLOWER valves—Stephens-Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
FLO-WHITE architectural enamel—Chicago Varnish Co., 2100 Elston av., Chicago, Ill.
FLOWKOTE white enamels—E. I. du Pont de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
FLUSH-O-VALVE flushing valves—Flush-O-Valve Co., 245 Centre, New York
FLUSH TOP cellar doors—A. Lucas & Sons, 1329 S. Washington, Peoria, Ill.
FLUTED-CATCH sockets & receptacles—General Electric Co., Schenectady, N. Y.
FLUXINE brazing compounds—Krembs & Co., 173 N. Green, Chicago, Ill.
FLUXTITE soldering flux, paste, sales & stick—Swan & Finch Co., 165 B'way, New York



FLYER clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
FLYFOOT belt dressing—Chas. A. Schieren & Co., 30 Ferry, New York
FLYING DUTCHMAN carving lathes—Valley City Machine Works, Grand Rapids, Mich.
FLYING DUTCHMAN cultivators, gang plows, planters, disc harrows, hay rakes, hay loaders, seeders & sowers—Moline Plow Co., Moline, Ill.
FLYING DUTCHMAN trolley track door hangers—Sharon Hardware Mfg. Co., Sharon, Pa.
FLYING MERKEL bicycles & motor cycles—Miami Cycle & Mfg. Co., Middletown, Ohio
FLYING SWEDE portable grain elevators—O'Neil, T. L., Co., Marseilles, Ill.
FLYING YANKEE extension ladders—Portland Extn. Ladder & Pole Co., 130 Orange, Newark, N. J.
FLY KING insecticides—G. E. Conkey Co., 3039 Woodland av, Cleveland, Ohio
FLYNN steam traps—B. F. Sturtevant Co., 15 Damon, Hyde Park, Boston, Mass.
FLY PIE poison fly killers—Craun Bros., Butler, Ind.
FOEN electric hair dryers—Sanax Co., 143 E 23rd, New York
FOGARTY-THOENS feed water regulators—James H. Fogarty, 126 Liberty, New York
FOIL cigarette packing machines—American Machine & Foundry Co., 5520 2nd av, Brooklyn, N. Y.
FOLDRIER cabinet folding wall cabinet clothes driers—Albion Wood & Metal Products Co., Albion, N. Y.
FOLEY band saw filing & setting machines—Wellman Products Co., 1444 E. 49th, Cleveland, Ohio.
FOLEY brass & cast iron cleanouts—Hays Mfg. Co., Erie, Pa.
FOLEY spray nozzles—Loeffelholz Co., Milwaukee, Wis.
FOLSOM steel ranges—C. G. Folsom Mfg. Co., South Bend, Ind.
FOOT cork mats—La Porte Mat & Mfg. Co., La Porte, Ind.
FOOTE cherry stoners & stemming machines—Foote Bros. Gear & Machine Co., 210-220 N. Carpenter, Chicago, Ill.
FOOTE concrete mixers & friction drum hoists—Foote Co., Nunda, N. Y.
FORBES ground connection clamps—Cleverly Electrical Works, 17 N. 7th, Phila., Pa.
FORBES hot air furnaces—Thomas Roberts Stevenson & Co., American & Dauphin, Philadelphia, Pa.
FORBES hot air furnaces—Tubular heating & Ventilating Co., 228 Quarry, Philadelphia, Pa.
FORBES pipe cutting & threading machines—Curtis & Curtis Co., Bridgeport, Conn.
FORBES & MYERS electric motors & grinders—Forbes & Myers, 169 Union, Worcester, Mass.
FORCE power hammers—Central Machine Works Co., Minneapolis, Minn.
FORCITE explosives—du Pont de Nemours & Co., E. I., Wilmington, Del.
FORD automobile wrenches—Improved Gauge Mfg. Co., 105 Canal, Syracuse, N. Y.
FORD ore concentrators—Union Iron Works Co., Kansas City, Mo.
FORD refrigerators—Alaska Refrigerator Co., Muskegon, Mich.
FORD screw driver bits, electricians' drills & treenail augers—Ford Auger Bit Co., Holyoke, Mass.
FORD tank valves—Thomas P. Ford Co., 407 Broome, New York
FORD vehicle washers—Nunn Brass Works, Rochester, N. Y.
FORD'S weather strips—Ford Mfg. Co., Holyoke, Mass.
FORD'S PYRAMID rubber roofing—Ford Mfg. Co., 2339 La Salle, Chicago, Ill.
FOREST log loaders—National Iron Co., Duluth, Minn.
FOREST CITY paint & varnish remover—Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, Ohio
FOREST CITY stoves—Fox Furnace Co., Elyria, O.
FOREST CITY wood bits—Forest City Bit & Tool Co., Rockford, Ill.
FOREST KING logging carts—Williams Mfg. Co., Macon, Ga.
FOREST RIVER white & red lead—Chadwick-Boston Lead Co., Boston, Mass.
FORKNER cultivators & harrows—Light Draft Harrow Co., Marshalltown, Ia.
FORMA-GERMKILL fumigators—Central City Chemical Co., 4250 N. Crawford av, Chicago, Ill.
FORMAN'S FAMOUS oak flooring—Thos. Forman Co., 121 Forman av, Detroit, Mich.
FORMICA commutator rings—Electric Service Co., 12th & Madison, Cincinnati, Ohio

FORMICA insulation shapes, washers & noiseless gears—Formica Insulation Co., 3240 Spring Grove av, Cincinnati, Ohio
FORSTER rock crushers—Phillips & McLaren, 24th & Smallman, Pittsburgh, Pa.
FORSTNER auger bits—Progressive Mfg. Co., Torrington, Conn.
FORSTNER PAT'N auger special bits—A. L. Adams, Bridgeport, Conn.
FORSYTH braided hose & metallic packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
FORSYTH HOLLOW SQUARE packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
FORT ATKINSON ice cream freezers—Creamery Package Mfg. Co., 61 W. Kinzie, Chicago, Ill.
FORT CLYDE lubricating oils & greases—Dearborn Chemical Co., 332 S. Michigan av, Chicago, Ill.
FORT DEARBORN lubricating oils & greases—Dearborn Chemical Co., 332 S. Michigan av, Chicago, Ill.
FORT DOUGLASS lubricating oils & greases—Dearborn Chemical Co., 332 S. Michigan av., Chicago, Ill.
FORT DUQUESNE belt dressing—Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
FORTIN five spindle drilling & turret heads—Spafford Tool Works, Hartford, Conn.
FORT PITT liquid soap—Fort Pitt Chemical Co., 200 3134 Penn av, Pittsburgh, Pa.
FORT PITT packing—Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
FORT PITT paints—W. W. Lawrence & Co., Pittsburgh, Pa.
FORT SHERIDAN lubricating oils & greases—Dearborn Chemical Co., 332 S. Michigan av, Chicago, Ill.
FORT SMITH farm wagons—Fort Smith Wagon Co., Fort Smith, Ark.
FORT SNELLING lubricating oils & greases—Dearborn Chemical Co., 332 S. Michigan av, Chicago, Ill.
FORTUNA leather skiving machines—Fortuna Machine Co., 127 Duane, New York
FORTUNE hot air furnaces & gas ranges—Thomas, Roberts, Stevenson & Co., American & Dauphin, Philadelphia, Pa.
FORT WAYNE rock & ore crushers—American Road Machinery Co., Kennett sq, Pa.
FORUM card tables—E. T. Burrows Co., Portland, Me.
FOSCO puttyless skylights—F. O. Schoedinger, 142 N. 3rd, Columbus, O.
FOSDICK vertical drilling machines—Fosdick Machine Tool Co., Cincinnati, Ohio
FOSKET & BISHOP steam traps—Foskett & Bishop Co., New Haven, Conn.
FOSKETT plate scrapers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
FOSSTON grain cleaners separators & ratchet wrenches—Fosston-Carpenter Co., St. Paul, Minn.
FOSTER cotton planters—S. R. White's Sons, Norfolk, Va.
FOSTER grate bars—Woburn Iron Foundry, Woburn, Mass.
FOSTER hollow set screws—New Haven Screw Co., 191 Foster, New Haven, Conn.
FOSTER pumping machinery—Foster Pump Works, Inc., 36 Bridge, Brooklyn, N. Y.
FOSTER rubber heels—Foster Rubber Co., 105 Federal, Boston, Mass.
FOSTER shock absorbers—Gabriel Mfg. Co., 1407 E. 40th, Cleveland, Ohio
FOSTER steam superheaters—Power Specialty Co., 111 Broadway, New York
FOSTERLINK woven wire mattresses—Foster Bros. Mfg. Co., Utica, N. Y.
FOSTORIA incandescent electric, Mazda & tungsten lamps—Fostoria Incandescent Lamp division of G. E. Co., Fostoria, Ohio
FOTO-KEM photographic chemicals—Ele-Kem Co., 1516 Clybourn av, Chicago, Ill.
FOULIS gas governors—Helme & McIlhenny, 1339 Cherry, Phila., Pa.
FOUNTAIN CITY grain drills—American Seeding Machine Co., Springfield, Ohio
FOUR ACE packing—Revere Rubber Co., Chelsea, Mass.
FOUR BROS. axle grease, oils, harness soap & roofing paints—Sinclair Refining Co., Albany, N. Y.
FOUR BURR corn & cob mills—Bovee Furnace Works, Waterloo, Ia.
400 SERIES steam & hot water heaters—Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
FOUR IN ONE air gauges—Precision Instrument Co. 21 Halsey, Newark, N. J.
4-IN-1 screw drivers—E. Edelmann & Co., 341 E Ohio, Chicago, Ill.
4-IN-1 spark plug wrenches—Chas. Miller, Syracuse, N. Y.
FOUR STAR cement—Fort Scott Hydraulic Cement Co., Fort Scott, Kan.
FOWLER curtain rods—Wickwire Spencer Steel Corp., Worcester, Mass.
FOWLER furnace regulators—Frank E. Woodward & Co., 19 Friend, Boston, Mass.
FOWLER headlights, automobile burners, horns, lamps, storage batteries, wind shields—Fowler Lamp & Mfg. Co., 59 E. 24th, Chicago, Ill.
FOWLER sickle grinders—S. Cheney & Son, Manlius, N. Y.
FOX corrugated furnaces—Continental Iron Works, West & Colyer, Brooklyn, N. Y.
FOX floor scraping maehines—Fox Supply Co., Brooklyn, Wis.
FOX fuel oil burners—American Equipment Co., Norristown, Pa.
FOX square—Wiebusch & Hilger, 106 Lafayette, New York
FOX store trucks—Z. F. Fox & Son, Freeport, Mich.
FOX turret lathes—American Tool & Machine Co., 10 High, Boston, Mass.
FOX turret lathes—Springfield Mach. Tool Co., Springfield, Ohio
FOXBORO clocks, flow meters, gauges, speed indicators, time recorders & thermometers—Foxboro Company, Foxboro, Mass.
FOXPASTE dry powder—M. Ewing Fox Co., 241 E. 136th, New York
FOX'S steel squares—Fred. G. Breul, Bridgeport, Conn.
FOX'S T squares—Challenge Cutlery Corporation, Bridgeport, Conn.
FOYER carbon paper, typewriter ribbons—Chas. A. Foyer & Co., 1104 Prospect av, Cleveland, Ohio
FRAHM frequency meters—James G. Biddle, 1211 Arch, Phila., Pa.
FRAIM night latches—E. T. Fraim Lock Co., Lancaster, Pa.
FRALEY electric hand massage vibrators—Schunck & Ogg, 235 Canal, New York
FRANCE fibrous packing—France Packing Co., Tacony, Phila., Pa.
FRANCES turbine water wheels—Platt Iron Works Co., Dayton, O.
FRANCIS blind fasteners—Stanley G. Flagg & Co., Morris bldg., Phila., Pa.
FRANCIS engraving machines—Warner Mfg. Co., 810 Citizens bldg., Cleveland, Ohio.
FRANCIS hydraulic turbines—S. Morgan Smith Co., York, Pa.
FRANCIS turbine water wheels—Camden Water Wheel Works, Camden, N. J.
FRANCIS turbine water wheels—I. P. Morris Co., Richmond & Norris, Phila., Pa.
FRANCO dry batteries—Interstate Electric Novelty Co., 104 S. 4th, New York
FRANCO incandescent lamp coloring—C. E. Franche & Co., 440 Orleans, Chicago, Ill.
FRANKFORT soldering iron heaters—Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, Ohio
FRANKLIN asbestos packing, pipe & boiler coverings, insulating paper, cements—Franklin Mfg. Co., Franklin, Pa.
FRANKLIN ball joints, locomotive fire doors, steam chest oil plugs & locomotive grate shakers—Franklin Railway Supply Co., 30 Church, New York
FRANKLIN batteries—Enterprise Electric Supply Co., Latrobe, Pa.
FRANKLIN battery zincs—Grasselli Chemical Co., Guardian bldg., Cleveland, Ohio
FRANKLIN belting & rubber hose—Combination Rubber Mfg. Co., Bloomfield, N. J.
FRANKLIN carbureters—Franklin Oil & Gas Co., Bedford, Ohio
FRANKLIN cotton hose—Mechanical Rubber Co., 73 Reade, New York
FRANKLIN cranes—Franklin Portable Crane & Hoist Co., Franklin, Pa.
FRANKLIN filter paper—Holz & Co., Inc., 18 Madison av, New York
FRANKLIN gaggers—Franklin Core Rod & Gagger Co., Franklin, Pa.
FRANKLIN gasoline blow torches—Turner Brass Works, Sycamore, Ill.
FRANKLIN grease traps—R. Estabrook's Sons, 202 1st, Boston, Mass.
FRANKLIN picture hooks—Parker Wire Goods Co., Worcester, Mass.
FRANKLIN spelter—New Jersey Zinc Co., 160 Front, New York
FRANKLIN tipping machines—Franklin Machine Co., 1 Park, Providence, R. I.

FRANKLIN trolley wheels—Benedict & Burnham Branch, Waterbury, Conn.
FRANKLIN woven wire fence stretchers—Smith Hardware & Mfg. Co., De Kalb, Ill.
FRANKLIN-ADAPTI natural gas burners—Franklin Co., Canton, O.
FRANKLIN MAZDA incandescent elect. lamps—Franklin Incandescent Lamp Wks. of Westinghouse Lamp Co., Hartford, Conn.
FRANTZ PREMIER vacuum cleaners—Electric Vacuum Cleaner Co., Ivanhoe rd, Cleveland, Ohio
FRASER cheese presses—D. H. Burrell & Co., Little Fall, N. Y.
FRASER molder's clamps, rapping plates, pattern lifting screws, dowel pins & dowels—Federal Malleable Co., West Allis, Wis.
FRAY'S screw driver bits—John S. Fray Co., Bridgeport, Conn.
FRAZER lubricating oils & greases & harness soap—Frazer Lubricator Co., 3921 Normal, Chicago, Ill.
FRAZER-ADAMS marine engines—Frazer Bros. Co., Adams, N. Y.
FRAZERIED soldering paste—Frazer Lubricator Co., 3921 Normal av, Chicago, Ill.
FRAZER'S pipe joint cements—Frazer Paint Co., Hubbard & M. C. R. R., Detroit, Mich.
FRAZIER package handles—Tie Co., Unadilla, N. Y.
FREAS electric incubators & ovens—Eimer & Amend, 205 3rd av, New York
FRECO electric bells—Russell Electric Co., Danbury, Conn.
FREDONIA cement—Fredonia Portland Cement Co., Fredonia, Kan.
FREE sewing machines—Free Sewing Mach. Co., Rockford, Ill.
FREE SPOOL metal fishing reels—General Phonograph Corp., 25 W. 45th, New York
FREE-WESTINGHOUSE family sewing machines—Free Sewing Machine Co., Rockford, Ill.
FREED steam & hot water heaters—Freed Heater Co., Collegeville, Pa.
FREELAND farm boilers—Freeland Steel Tank Co., Portage, Wis.
FREELAND steel corn cribs—Iron Crib & Bin Co., Wooster, Ohio
FREEMAN bone mills—Freeman Mfg. Co., Racine, Wis.
FREEMAN steam hoists—United Iron Works Inc., Kansas City, Mo.
FREEPORT blow-off valves—Wiltbonco Mfg. Co., 24 Porter, Boston, Mass.
FREEPORT mop sticks & holders—Arcade Mfg. Co., Freeport, Ill.
FREEPORT wagons—Moline Plow Co., Moline, Ill.
FREEZE-NO-MORE anti-freezing compounds—Corliss Mfg. & Supply Co., 1906 Olive, St. Louis, Mo.
FREMONT hot air furnaces—Niagara Falls Furnace Co., Niagara Falls, N. Y.
FRENCH egg & cream beaters—Wickwire Spencer Steel Corp., Worcester, Mass.
FRENCH fruit & vegetable slicers—Landers, Frary & Clark, New Britain, Conn.
FRENCH metal polish—Marshall Oil Co. of Iowa, Marshalltown, Ia.
FRENCH pipe cutting machines & lead joint removers—A. P. Smith Mfg. Co., East Orange, N. J.
FRENCH AMERICAN rat traps—Edw. Darby & Sons Co., 412 N 18th, Phila., Pa.
FRENCH CAEN STONE FINISH brick & concrete paints—Glidden Co., Madison av & Berea rd, Cleveland, Ohio
FRENCH GLOSS shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
FRENCH'S adjustable taps—J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
FRENCH'S cements, paints, enamels—Samuel H. French & Co., 4th & Callowhill, Phila., Pa.
FRESH WORK cigar machinery—American Machine & Foundry Co., 5520 2nd av, Brooklyn, N. Y.
FRES-KO-KOTE kalsomine—Manhattan Color Works, 1035 Kelly, New York
FRESNO drag road scrapers—Sidney Steel Scraper Co., Sidney, Ohio
FRESNO pruning shears—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
FREYER automobile wheels—Phelps Mfg. Co., Columbus, Ohio
FRIBERY milk strainers—Sanitary Strainer Co., Maiden Rock, Wis.
FRICK self winding clocks—Landis Engng. & Mfg. Co., Waynesboro, Pa.
FRICK 12-25 kerosene tractors—Frick Co., Waynesboro, Pa.
FRICK ECONOMY babbitt metal—Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
FRICTION CLAD belting—Quaker City Rubber Co., 629 Market, Phila., Pa.



FRIDAY butter printing & cutting machines—D. H. Burrell & Co., Little Falls, N. Y.
FRIEDMANN boiler injectors—Nathan Mfg. Co., 416 E. 106th, New York
FRIEDSTEDT interlocking channel bar piling—Carnegie Steel Co., Carnegie bldg., Pittsburgh, Pa.
FRIGIDOMETERS marine ice detectors—McNab Co., Bridgeport, Conn.
FRINK pyrometers—Frink Pyrometer Co., Lancaster, Ohio
FRISBIE friction clutches—Eastern Machinery Co., New Haven, Conn.
FRISCO STANDARD gas, gasoline & kerosene engines—Standard Gas Engine Co., Oakland, Cal.
FROG scrubbing brushes—Standard Brush Co., New Hartford, Conn.
FROHM vibrating tachometers—James G. Biddle, 1211 Arch, Phila., Pa.
FRONT ranks hot air furnaces—Haynes-Langenberg Mfg. Co., 4045 Forest Park blvd., St. Louis, Mo.
FROST ball cocks & flushing valves—Frost Mfg. Co., Kenosha, Wis.
FROST friction clutches & feed water heaters—Frost Mfg. Co., Galesburg, Ill.
FROSTBURG miners' safety lamps—Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.
FROST KING gas & gasoline engines—John Lauson Mfg. Co., New Holstein, Wis.
FROST KING ice cream freezers—Richmond Cedar Works, Fulton, Richmond, Va.
FROSTO anti-freezing water closets—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
FROST'S cupboard catches—Hardware Supply Co., Grand Rapids, Mich.
FROTTEURS worsted drawing frames—Franklin Mach. Co., 1 Park, Providence, R. I.
FRUGAL gas sad irons—American Pressing Iron Co., 48 E. 8th, New York
FRUIN-TOBIN horseshoes—Fruin Drop Forge Co., 347 Root, Chicago, Ill.
FRUITALL spray pumps—Goulds Mfg. Co., 71 W. Fall, Seneca Falls, N. Y.
FRUIT OF THE LOOM cotton sheeting—Hebron Mfg. Co., 21 S. Main, Providence, R. I.
FRUIT PICKER extension ladders—Rich Pump Co., South & Depot, Cincinnati, Ohio
FRY'S adjustable draughting tables—Fritz Mfg. Co., Grand Rapids, Mich.
FUEL-ITE dynamite—Grasselli Powder Co., Guardan bldg, Cleveland, Ohio
FUELSAVER furnace regulators—F. D. Kees Mfg. Co., Beatrice, Neb.
FULCA sheet rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
FULCO coal miners' tools, picks, hatchets, spike bars, etc.—Fulton Tool Works, Huntington, W. Va.
FULFLO oil pump lubricators—Cincinnati Lubricant Pump Co., Blanchester, Ohio
FULLER automobile trunks—G. W. Fuller Co., Hartford, Conn.
FULLER harrow carts—Madison Plow Co., Milwaukee, Wis.
FULLER-LEHIGH ball mills & pulverizers—Fuller-Lehigh Co., Fullerton, Pa.
FULLER & JOHNSON harrow carts—Madison Plow Co., Madison, Wis.
FULLER'S wall paper cleaners, cold water paste & scaffold builders—H. B. Fuller Co., 188 W 3rd, St. Paul, Minn.
FULLER'S BARNACLE paper hangers' & painters' size—H. B. Fuller Co., 188 W 3rd, St. Paul, Minn.
FULLMAN beam electric straps, lock-nuts & washers, brass bushings, conduit benders, outlet boxes—Steel City Electric Co., 1207 Columbus av, Pittsburgh, Pa.
FULLNER water filters—Moore & White Co., N. 15th & Lehigh av, Phila., Pa.
FULMER roof snow guards—J. H. Fulmer, Nazareth, Pa.
FULTON hack saw blades—Montgomery & Co., 105 Fulton, New York
FULTON mining tools—Fulton Tool Works, Canal Fulton, Ohio
FULTON pump governors & pressure regulators—Chaplin-Fulton Mfg. Co., 34 Penn av, Pittsburgh, Pa.
FULTON pumps & vises—Fulton Machine & Vise Co., Lowville, N. Y.
FULTON shotguns—Hunter Arms Co., Fulton, N. Y.
FUMOTH flour moth destroyers—F. A. Thompson & Co., 532 Trombley av, Detroit, Mich.
FURBUSH cotton pickers, balling machines, beamers, bobbin winders, cotton batting machinery, mules, doffer combs, spoolers—Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.

**FURNITURE CITY refrigerators**—Northern Refrigerator Co., Grand Rapids, Mich.
**FURNOIL floor polish**—American Chemical & Mining Co., Atlanta, Ga.
**FURSTADE folding cots**—Peoria Auto-Kot Co., Peoria, Ill.
**FYBEROID insulating paper**—Wilmington Fibre Specialty Co., Ford bldg., Wilmington, Del.
G hack saw blades—Goodell Pratt Co., Greenfield, Mass.
G.-A. ball bearings—G. A. Ball Bearing Mfg. Co., 3051 W Lake, Chicago, Ill.
G. B. soldering iron heaters—G. Bickelhaupt Skylight Works, 722 11th av, New York
G. B. valve reseating tools—G. B. Garage & Mfg. Co., Hempstead, N. Y.
G. E. Mazda lamps—General Incandescent Lamp Works of G. E. Co., Electric bldg, Cleveland, Ohio
G-E-M steel shipping barrels—Pressed Steel Products Co., Sharon, Pa.
G. F. ALL STEEL desks, filing cabinets, bank fixtures, library shelves, plasterer's corner beads & safes—General Fireproofing Co., Youngstown, Ohio.
G. F. E. hose valves—General Fire Extinguisher Co., Providence, R. I.
G. G. G. hame fasteners—G. G. G. Metal Stamping Co., Warren, Pa.
G. H.—manganese steel tongue switches, tracks & street railway switches—Wm. J. Wharton & Co., Inc., Easton, Penna.
G-K sewer joint compounds—Merritt Hydraulics Co., 110 N. Broad, Phila., Pa.
G. N. S. Flotation oils—General Naval Stores Co., Inc., 90 West, New York
G.-P. tire air pumps—Gleason-Peters Air Pump Co., 384 Classon av, Brooklyn, N. Y.
G. P. universal joints—Gem Mfg. Co., Goebel, nr. Fulton, N. S., Pittsburgh, Pa.
G. P. 777 hack saw blades—Goodell-Pratt Co., Greenfield, Mass.
G. P. 888 hack saw blades—Goodell-Pratt Co., Greenfield, Mass.
G. P. & F. automatic accident preventers for machy., presses—Geuder, Paeschke & Frey Co., 1314 St. Paul av, Milwaukee, Wis.
G. R. instantaneous heaters—Griscom-Russell Co., 92 West, New York
G. R. oil strainers—Griscom-Russell Co., 92 West, New York
G. R. S. block system signals, clothes washing machy. & electric motors—General Railway Signal Co., Rochester, N. Y.
G.-S. combination drill & milling mach. vises—Gersnonow Simon Machine Wks., 58 Mill, Rochester, N. Y.
G. S. plasterers' steel beads—Union Metal Corner Co., 18 Heath, Boston, Mass.
G. T. D. countershafts, countersinks, dies, gauges, die heads, hobs, holders, machinery, machines, screw plates, reamers, stocks, tap wrenches, taper, taps & dies, tools, wrenches—Greenfield Tap & Die Corp., Greenfield, Mass.
G. V. conduit fittings—Fairmount Electric & Mfg. Co., 59th & Woodland, Phila., Pa.
G-V tower wagons—General Vehicle Co., Long Island City, N. Y.
G. V. universal conduit couplings, ground connection clamps & junction boxes — Gillette-Vibber Co., New London, Conn.
G. W. cement—Great Western Portland Cement Co., Kansas City, Mo.
G. W. metal polish—Great Western Oil Co., 2846 E. 37th, Cleveland, Ohio
G. W. K. ring & spiral packing—Geo. W. Knowlton Rubber Co., 60 Pearl, Boston, Mass.
G. & G. ash can hoists—Gillis & Geoghean, 537 W. B'way, New York
G. & J. rubber tires—G. & J. Tire Co., Indianapolis, Ind.
G. & K. belting, leather shafting rings—Grafton & Knight Mfg. Co., Worcester, Mass.
G. & L. wood trimming machines—Giddings & Lewis Mfg. Co., Fond du Lac, Wis.
G. & R. gun cleaning rods—G. G. Rupert, Decatur, Ill.
G. & S. neverbreak automobile tire trunks—L. Goldsmith & Son, Cherry, Newark, N. J.
G. & W. potheads & sleeves—G. & W. Electric Specialty Co., 6308 W. Washington, Chicago, Ill.
GABLE water heaters—McDowell Mfg. Co., Stanton av, Pittsburgh, Pa.
GABRIEL concrete reinforcing materials — Gabriel Reinforcement Co., Penobscot bldg., Detroit, Mich.
GACO gauges, gauge cocks, exhaust heads, roof ventilators—Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.



GADE farm gates—Gade Bros. Mfg. Co., Iowa Falls, Ia.
GAGE carpenters' gauges—Gage Tool Co., Vineland, N. J.
GAILOR rail joints—Rail Welding & Bonding Co. of Amer., 2400 Woodland av, Cleveland, Ohio
GAINADAY electric washer & wringer—Pittsburgh Gauge & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
GAINES locomotive furnaces—American Arch Co., 30 Church, New York
GALE agricultural tools—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
GALE barn ventilators—Galesburg Sheet Metal Works, Galesburg, Ill.
GALE beet cultivators, beet pullers, gang plows, bean harvester attachments—Gale Mfg. Co., Albion, Mich.
GALE propeller wheels—Hyde Windlass Co., Bath, Me.
GALE-BALDWIN ensilage cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
GALENA animal pokes—Hughes & Smythe, Galena, Ohio
**GALENA signal oils**—Galena-Signal Oil Co., Franklin, Pa.
GALESBURG broom corn cleaners, scrapers & baking broom corn presses—Shaw, Walsh & Co., Galesburg, Ill.
GALESBURG stalk cutters—Galesburg Coulter Disc Co., Galesburg, Ill.
GAL-FAR medical batteries—Leon W. Pullen Co., 618 Chestnut, Philadelphia, Pa.
GALION road machines & graders — Galion Iron Works & Mfg. Co., Galion, Ohio
GALL-CURE horse collar pads—Gall Cure Collar Pad Co., Richmond, Ind.
GALLERY RIFLE POWDER NO. 75—du Pont de Nemours & Co., E. I., Wilmington, Del.
GALLOWAY gasoline blow torches—Otto Bernz, 17-37 Ashland, Newark, N. J.
GALLOWAY gasoline engines—Wm. Galloway, Waterloo, Iowa
GALLY printing machinery—National Machine Co., Hartford, Conn.
GALUSHA ab. gas producers—Nelson Blower & Furnace Co., L & Elkins, Boston, Mass.
**GALVA steam & hot water heaters**—Galva Heater Co., Galva, Ill.
GALVADUCT interior conduits—Garland Mfg. Co., 1st National Bank bldg., Pittsburgh, Pa.
**GALVANITE electro galvanized conduits**—American Conduit Mfg. Co., Keystone bldg., Pittsburgh, Pa.
**GAL-VA-NITE roofing & sanitary flooring**—Ford Mfg. Co., 2339 La Salle, Chicago, Ill.
GALVANIZED garbage pails — Dover Stamping & Mfg. Co., Cambridge, Mass.
GALVANIZED STEEL & OHIO METAL roll tin valleys—Whitaker-Glessner Co., Wheeling, W. Va.
GALVANO stove pipe & elbow—Hemp & Co., Vandeventer nr. Shaw, St. Louis, Mo.
GAMBIER boiler compounds—A. G. Belden, 29 Burling slip, New York
GAME oil stoves—Taylor & Boggis Foundry Co., Cleveland, Ohio
GAME JUNIOR oil stoves—Taylor & Boggis Foundry Co., Cleveland, Ohio
GAMO TRIPLEX orchard pumps—Orchard Machinery Mfg. Co., Gasport, N. Y.
GANDY belting & belt dressing—Gandy Belting Co., 740 W. Pratt, Baltimore, Md.
GANT rope meter—E. M. Gant Mfg. Co., Inc., Ethridge, Tenn.
GAPHO foundry facings—Pure Carbon Co., Wellsville, N. Y.
**GAPP locomotive sanders**—American Safety Lamp & Supply Co., Scranton, Pa.
GARCO packing, gaskets, brake lining—General Asbestos & Rubber Co., Charleston, S. C.
GARCO WATERPROOF packing—General Asbestos & Rubber Co., Charleston, S. C.
GARDENER bucket spraying pumps—W. & B. Douglas, Middletown, Conn.
GARDENER'S CHOICE cart springs—Deming Co., Salem, Ohio
GARDEN KING garden cultivators—Thornburg Mfg. Co., Bowling Green, Ohio
GARDNER bung hole bushings—Heartley Machine Variety Iron & Tool Works, 900 Summit, Toledo, Ohio
GARDNER disc grinders, abrasive discs, magnetic chucks & band polishing wheels—Gardner Machine Co., Beloit, Wis.
GARDNER egg crates—New England Box Co., Greenfield, Mass.

GARDNER sand papering machines—Gardner Machine Works, Gardner, Mass.
GARDNER sash ribbon—Gardner Sash Pulley Co., 15 N. Jefferson, Chicago, Ill.
GARDNER steam separators—Gardner Governor Co., 14 Williamson, Quincy, Ill.
GARDNER VISIBLE carbureters—Gardner Carbureter & Brass Works, Shreveport, La.
GARFIELD injectors—Ohio Injector Co., Wadsworth, Ohio
GARFIELD KNAPSACK sprayer pumps—Field Force Pump Co.
GARFORD MODEL E. phonographs—General Phonograph Mfg. Co., Elyria, Ohio
GARGOYLE lubricating oils & greases—Vacuum Oil Co., Rochester, N. Y.
GARILLES carbureters—Bowen Corp., Detroit, Mich.
GARIS-COCHRANE dish washing machines—Bromley-Merseles Mfg. Co., 1328 B'way, New York.
GARLAND car ventilators—Ross Wortham Co., McCormick bldg., Chicago, Ill.
GARLAND stoves, hot air furnaces, water heaters—Michigan Stove Co., Adair & Jefferson, Detroit, Mich.
GARLOCK packing—Garlock Packing Co., Palmyra, N. Y.
GARRATT pumps & marine valves—W. T. Garratt & Co., 299 Fremont, San Francisco, Cal.
GARRETT feed water heaters & oil separators—W. D. Garrett & Co., 126 Liberty, New York
GARRETT'S auger bit gauges—Bouney Vise & Tool Works, Allentown, Pa.
GARRISON plumping specialties—Garrison Brass & Machine Works, 107 W. 13th, New York
GARTON trolley wheels—Electrical Material Co., 618 W. Jackson blvd, Chicago, Ill.
GARTON & DANIELS automotoneers, choke coils, lightning arresters — Electric Service Supplies Co., 17th & Cambria, Philadelphia, Pa.
GARVIE cleanout ferrules—Peck Bros. & Co., New Haven, Conn.
GARWOOD bench legs—C. M. B. Wrench Co., Garwood, N. J.
GARWOOD gas arc lamps—Garwood Gas Lamp & Heater Co., Canton, Ohio
GASCO improved aluminum Protector Co., 1103 North av, Waukegan, Ill.
GASCO packing—Gasket Supply Co., 1729 Ludlow, Phila., Pa.
GASO-KERO gas engines—Bessemer Gas Engine Co., Grove City, Pa.
GAS SAVER gas blast forges—J. L. Lucas & Sons, Bridgeport, Conn.
GASAVER incandescent gas mantles—F. A. Smith Mfg. Co., Rochester, N. Y.
GASMACO gas plant apparatus—Gas Machinery Co., 1900 Euclid av, Cleveland, Ohio
GASOLINE-AIR rock drills—Ingersoll-Rand Co., 11 Broadway, New York
GATE CITY faucet filters—Seed Filter & Mfg. Co., 73 Franklin, New York
GATES rock crushers—Allis-Chalmers Mfg. Co., Milwaukee, Wis.
GATLING tire air pumps—Lake Erie Mfg. Co., Buffalo, N. Y.
GATO plug valves—A. W. Cadman Mfg. Co., 2816 Smallman, Pittsburgh, Pa.
GAUGE split switches—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
GAY screw drivers—Geo. E. Gay, Augusta, Me.
GAYLORD plow coulters—Galesburg Coulter Disc Co., Galesburg, Ill.
GAZELLE vehicle axles—Burgess-Norton Mfg. Co., Geneva, Ill.
GEALY pipe wrenches—Walworth Mfg. Co., Boston, Mass.
GEAR-SCOTT grain weighers, clod crushers, clover hullers, separators, portable saw mills, threshers, traction engines & straw stackers—Leo Rumeley Tractor Co., La Porte, Ind.
GEAR-SCOTT traction engines—Advance-Rumely Co., La Porte, Ind.
GEARY water tube boilers—Oil City Boiler Works, Oil City, Pa.
GECO pneumatic ash handling systems—Green Engineering Co., East Chicago, Ind.
GEDDES ventilators—Joseph Geddes, Rochester, N. Y.
GEE saw benches—Chas. E. Gee, Lowell, Mass.
GEE HAW horse collars—Couch Bros. Mfg. Co., Atlanta, Ga.
GEE WHIZ alarm clocks—W. L. Gilbert Clock Co., Winsted, Conn.
GEHL farm boilers—Gehl Bros. Mfg. Co., West Bend, Wis.
GEIER straightening presses—P. A. Geier Co., Cleveland, Ohio
GEISER check valves—Long Grate Bar Co., Buffalo, N. Y.
GEISER PEERLESS hay presses, threshers, portable sawing mills & rigs, self feeders, straw stackers—Emerson-Brantingham Co., Rockford, Ill.
GEISEY'S casement window hinges—Steiner & Voegtly Hardware Co., 230 Diamond, Pittsburgh, Pa.
GELSER reinforced concrete pipe—L. S. Gelser & Son, Fillmore, N. Y.
GEM adding machines—Automatic Adding Machine Co., 148 Duane, New York
GEM air valves, lawn sprinklers, stamping works & hose & spray nozzles—Beaton & Caldwell Mfg. Co., New Britain, Conn.
GEM apple corers—National Enameling & Stamping Co., 411 5th av, New York
GEM asbestos protected metal roofing—Moeschl-Edwards Corrugating Co., Covington, Ky.
GEM barrels covers—M. H. Parks & Co., Winchendon, Mass.
GEM boiler flue & tube cleaners, flexible shaft drills, grinders, oilers, oil cans, torches—Gem Mfg. Co., Goebel nr. Fulton, N. S., Pittsburgh, Pa.
GEM box trucks—Andrew Plocher Sons Co., Dayton, Ohio
GEM cable grips—Norris Electric Specialties Co., 126 Liberty, New York
GEM carpet beaters—Standard Wire Co., New Castle, Pa.
GEM chimney caps, concrete finishing tools—Kramer Bros. Foundry Co., Dayton, O.
GEM clamp spindles—Gem Mfg. Co., Goebel nr. Fulton, N. S., Pittsburgh, Pa.
GEM clothes line fasteners—Geo. H. Noll, 27 Crescent, Brooklyn, N. Y.
GEM clover cutters—Wilson Bros., Easton, Pa.
GEM clutch linings—Jewell Belting Co., Hartford, Conn.
GEM cooking stoves—Odin Stove Mfg. Co., Erie, Pa.
GEM ash sifters, aluminum coffee pots, automobile mufflers, gauges & milk bottle caps—Gem Stamped Steel Co., Chelsea, Mass.
GEM door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
GEM door & window bolts—Sargent & Greenleaf, Inc., Rochester, N. Y.
GEM feed cutters—Wilson Bros., Easton, Pa.
GEM finger nail clippers—H. C. Cook Co., 100-120 Jewett, Ansonia, Conn.
GEM flour sifters—J. L. Clark Mfg. Co., Rockford, Ill.
GEM fly swatters—J. B. Timberlake & Sons, Jackson, Mich.
GEM food choppers—Sargent & Co., New Haven, Conn.
GEM fountain pens—Standard & Vulcanite Pen Co., 752 Lexington av, Brooklyn, N. Y.
GEM garden cultivators—Moore Plow & Implement Co., Greenville, Mich.
GEM garden cultivators—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
GEM gas ranges—Dangler Stove Co., 5017 Perkins av, Cleveland, Ohio
GEM gas soldering furnaces—Burgess Soldering Furnace Co., Columbus, Ohio
GEM gasoline engines—Capital Gas Engine Co., Indianapolis, Ind.
GEM grass hooks—Wallingford Mfg. Co., Wallingford, Vt.
GEM grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
GEM hay presses—Geo. Ertel Co., Quincy, Ill.
GEM hinges, springs, door pulls—Columbian Hardware Co., Cleveland, Ohio
GEM hose nozzles—Crane Co., Bridgeport, Conn.
GEM hot air furnaces—Robinson Furnace Co., 205 W. Lake, Chicago, Ill.
GEM hot air furnaces & fire place heaters—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
GEM ice cream freezers & ice shavers—North Bros. Mfg. Co., Lehigh av & American, Phila., Pa.
GEM ice cube cutting machines—Reinhold Mfg. Co., 139 Beaubien, Detroit, Mich.
GEM kettle bottoms—Hamblin & Russell Mfg. Co., Worcester, Mass.
GEM lamp chimney heaters, self-oiling pulleys—Wrightsville Hardware Co., Wrightsville, Pa.
GEM lamp cord adjusters—M. B. Austin & Co., 706 W. Jackson blvd, Chicago, Ill.
GEM mitre boxes—Geo. E. Gay, Augusta, Me.
GEM mop sticks & holders—Arcade Mfg. Co., Freeport, Ill.
GEM nail pullers—Page Storms Drop Forge Co., Chicopee, Mass.
GEM nutmeg graters—Caldwell Mfg. Co., Rochester, N. Y.

GEM paper clips—Cushman & Denison Mfg. Co., 240 W. 23rd, New York
GEM paper clips—Noesting Pin Ticket Co., Inc., Mt. Vernon, N. Y.
GEM pencil sharpeners—F. H. Cook & Co., Leominster, Mass.
GEM postal scales—Triner Scale & Mfg. Co., 2714 W. 21st, Chicago, Ill.
GEM pot scrapers—Browne & Dowd Mfg. Co., Meriden, Conn.
GEM pumps—Geo. J. Roberts Co., Dayton, O.
GEM safety razors—Gem Cutlery Co., 11th av & 25th, New York
GEM shoe blacking & polishes—Frank Miller Co., 349 W. 26th, New York
GEM shoe holder shiners—Piqua Bracket Co., Piqua, Ohio
GEM sink brushes—Universal Brush Co., 181 Quincy, Chicago, Ill.
GEM soldering sets—Millers Falls Co., 28 Warren, New York
GEM stair carpet fasteners—Pressed Steel Mfg. Co., Land Title bldg., Phila., Pa.
GEM steel ranges—Toledo Stove & Range Co., Toledo, Ohio
GEM stove & truck casters—M. B. Schenck Co., Meriden, Coon. see the Bossick Co., Bridgeport, Conn.
GEM vises—Yost Mfg. Co., Meadville, Pa.
GEM washing machines—Grinnell Washing Machine Co., Grinnell, Ia.
GEM water filters—Jones Mfg. Co., 243 Franklin, Boston, Mass.
GEM water heaters—Abendroth Bros., Port Chester, N. Y.
GEM water heaters—Fredolin Schifferle, 1206 S. B'way, St. Louis, Mo.
GEM water heaters, latches, rural mail boxes—Peck, C. A. Hdw. Co., Berlin, Wis.
GEM wheel garden hoes—Bateman Mfg. Co., Grenloch, N. J.
GEM wire holders—Fletcher Mfg. Co., Dayton, Ohio
GEMCO automobile jacks, bumpers, tire holders, wind shields, tire tools, robe & foot rails—Gemco Mfg. Co., Milwaukee, Wis.
GEM NO. 4 valves—Beaton & Caldwell Mfg. Co., New Britain, Conn.
GEM TORRID steam & hot water heaters—W. H. Drake Co., 36 Clinton, Newark, N. J.
GENASCO asphalt roofing, asphalt fillers & insulite paper—Barber Asphalt Paving Co., Land Title bldg., Phila., Pa.
GENDRON children's carriages, doll vehicles, invalid chairs & bicycles—Gendron Wheel Co., Toledo, Ohio.
GENERAL bolster springs—Racine General Mfg. Co., Racine, Wis.
GENERAL rubber tires—General Tire & Rubber Co., Akron, Ohio
GENESSEE lawn mowers—Mathews & Boucher, 26 Exchange, Rochester, N. Y.
GENESEE reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg., New York
GENESEE water closets—Nunn Brass Works, Rochester, N. Y.
GENESEE VALLEY bluestone producers—American Blue Stone Co., Warshaw, N. Y.
GENEVA feed cutters—Hocking Valley Mfg. Co., Lancaster, Ohio
GENEVA 600 screen door hinges—Champion Hardware Co., Geneva, Ohio
GENEVA ADAPTO farm tractors—Geneva Tractor Co., Geneva, O.
GENEVA SECURITY metal wheels—Geneva Metal Wheel Co., Geneva, Ohio
GENSCO oil stop—General Screw Co., Cincinnati, O.
GENTRY electric massage vibrators—Shelton Electric Co., 30 E. 42nd, New York
GENUINE babbitt metal—Atkinson Co., Rochester, N. Y.
GENUINE oxide of iron—Prince's Metallic Paint Co., Allentown, Pa.
GENUINE ARMSTRONG stocks & dies—Armstrong Mfg. Co., 278 Knowlton, Bridgeport, Conn.
GENUINE HUNTINGTON emery wheel dressers—Chicago Screw Co., Homan av & Fillmore, Chicago, Ill.
GENUINE HUNTINGTON emery wheel dressers—Detroit Screw Works, 348 Franklin, Detroit, Mich.
GENUINE KANAWHA salt—J. Q. Dickinson & Co., Malden, W. Va.
GENUINE NEY hay carriers—Ney Mfg. Co., Canton, Ohio
GENUINE PHILA. lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
GENUINE SQUIRES steam traps—C. E. Squires Co., 3934 Kelly av, Cleveland, O.
GEOMETRIC adjustable taps, screw cutting tools & dies—Geometric Tool Co., New Haven, Conn.
GEORGE window sash & window sash pivots—International Window Mfg. Co., 2007 W. Allegheny av, Phila., Pa.
GEO. WASHINGTON wood stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
GEORGIA fertilizer distributors—Southern Plow Co., Columbus, Ga.
GEORGIA tank valves—Rundle-Spence Mfg. Co., 63 2d, Milwaukee, Wis.
GEORGIA RATCHET plow stocks—S. R. White's Sons, Norfolk, Va.
GERAORDTS fire-proof floors—Sanitary Fire Proofing & Contracting Co., 509 W. 174th, New York
GERLACH saw gummers—Peter Gerlach Co., 1712 Winter, Cleveland, Ohio
GERMAN hot air furnaces—Gem City Stove Mfg. Co., Quincy, Ill.
GERMAN-COMPOUND boiler compounds—German-Compound Co., 20 N. Market, Boston, Mass.
GERMANIA cement—H. Marquardt & Co., 35 S. William, New York
GERMAN STYLE thumb tacks—Hoge Mfg. Co., 45 John, New York
GERMANTOWN lamp black—L. Martin Co., 81 Fulton, New York
GERMPROOF telephone mouthpieces—American Electric Co., 6401 S. State, Chicago, Ill.
GERSTNER tool cases—H. Gerstner & Sons, Dayton, Ohio
GERTRUDE pig iron—Illinois Steel Co., 208 S. La Salle, Chicago, Ill.
GESCO asbestos gaskets, bottle caps, paper clips, glass jars, skewers, stoppers & spring cotters—Gem Stopper Co., 2120 Nicholas, Phila., Pa.
GETSUM fly swatter—Wilson-Hurd Co., Wausau, Wis.
GEYER propeller wheels—Marine Hardware Co., Peabody, Mass.
GEYSER bidets—J. L. Mott Iron Works, Trenton, N. J.
GEYSER electric water heaters—Aqua Electric Heater Co., Bridgeport, Conn.
GEYSER steam & hot water heaters—Thatcher Furnace Co., 135 W. 35th, New York
GIANT ash & garbage cans—Central Stamping Co., 174 Fulton, New York
GIANT belt lacing—Chas. A. Schieren & Co., 30 Ferry, New York
GIANT breast & chain drills—Goodell-Pratt Co., Greenfield, Mass.
GIANT bull dog presses & seals—Keystone Seal & Press Co., 30 Main, Brooklyn, N. Y.
GIANT car stoves—Buda Co., Railway Exchange bldg., Chicago, Ill.
GIANT cement—Giant Portland Cement Co., Penna. bldg., Philadelphia, Pa.
GIANT confectioners' gas furnaces—Edw. Katzinger Co., 122 N. Peoria, Chicago, Ill.
GIANT dies—Pratt & Whitney Co., Hartford, Conn.
GIANT door hangers—Hunt, Helm, Ferris & Co., Harvard, Ill.
GIANT door hangers, barn door rails—F. E. Myers & Bro., 900 4th, Ashland, O.
GIANT electric car brakes—Lord Mfg. Co., 105 W. 40th, New York
GIANT feed grinding mills & sweep horse powers—Frank Hamachek, Kewaunee, Wis.
GIANT fuel oil engines—Chicago Pneumatic Tool Co., 6 E. 44th, New York
GIANT hoes—American Fork & Hoe Co., Swetland bldg., Cleveland, O.
GIANT insulating paper—Standard Paint Co., 233 Broadway, New York
GIANT key-seating machines—Mitts & Merrill, Saginaw, Mich.
GIANT ladders—Frizell Ladder Co., 135 Granite av, Boston, Mass.
GIANT lever & throttle valves—Wm. Powell Co., Cincinnati, Ohio
GIANT lubricators—Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
GIANT nail pullers, drill chucks & handle tack claws—Smith & Hemenway Co., Inc., 261 B'way, New York; Coit, Irvington, N. J.
GIANT machine belt fasteners—Mfrs. Belt Hook Co., 1321 W. Congress, Chicago, Ill.
GIANT packing & rubber hose—Revere Rubber Co., Chelsea, Mass.
GIANT padlock locks—U. S. Lock & Hardware Co., Columbia, Pa.
GIANT padlocks & sash chains—Smith & Egge Mfg. Co., Bridgeport, Conn.
GIANT plastering fibre—Fernald Co., 248 Tehama, San Francisco, Cal.

**GIANT** plows—Collins Plow Co., Quincy, Ill.
**GIANT** rail benders—Handlan-Buck Mfg. Co., 210 N. 3rd, St. Louis, Mo.
**GIANT** ratchet drills, reversible ratchet wrenches—Keystone Mfg. Co., Buffalo, N. Y.
**GIANT** rawhide belting—Missouri Belting Co., Grand & La Salle, St. Louis, Mo.
GIANT roller bearings, caners viner feeding machinery—A. T. Ferrell & Co., Saginaw, Mich.
**GIANT** self-oiling hangers—American Tool & Machine Co., 10 High, Boston, Mass.
**GIANT** steam & hot water heaters—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162d, New York
GIANT under reamers—Vulcan Iron & Steel Works, 1590 N. Main, Los Angeles, Cal.
**GIANT** wire stretchers—Richards-Wilcox Mfg. Co., Aurora, Ill.
GIANT GRIP horse shoes, drive calks—Giant Grip Horse Shoe Co., Oshkosh, Wis.
GIANT water coolers—Everson Filter Co., 70 W. Lake, Chicago, Ill.
GIANT, JR., two-step folding step ladders—Albion Wood & Metal Products Co., Inc., Albion, N. Y.
**GIANT** RED CRESCENT packing—Revere Rubber Co., Chelsea, Mass.
GIANT SIMPLEX spray nozzle—Deming Co., Salem, Ohio
**GIANT** TORRID steam heaters, steam & hot water heaters—W. H. Drake Co., 36 Clinton, Newark, N. J.
**GIANT** WONDER disc sharpeners—A. E. Durner, Evansville, Wis.
**GIBBS** post hole diggers—Gibbs Mfg. Co., Canton, Ohio
GIBBS lawn rakes—G. A. Swineford Co., Canton, Ohio
**GIBBS** trailer connectors & flush plugs—Loeffelholz Co., Milwaukee, Wis.
**GIBERT'S** lumber—W. H. Norris Lumber Co., Houston, Tex.
**GIBRALTAR** cement—Newaygo Portland Cement Co., Grand Rapids, Mich.
GIBRALTAR drop forgings, chisels, nail pullers, pliers & nippers, tool sets & wrenches—Forged Products Co., Conway bldg., Chicago, Ill.
GIBRALTAR high speed steel & music—H. Boker & Co., Inc., 101 Duane, New York
**GIBRALTAR** insulating cloth & tape—M. W. Dunton Co., 150 Niagara, Providence, R. I.
**GIBRALTAR** night latches—Huber Mfg. Co., 417 E. 93d, New York
GIBRALTAR putty powder—H. B. Fuller Co., 188 W. 3rd, St. Paul, Minn.
GIBRALTAR rubber belting—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
**GIBRALTER** automobile wind shields—Stewart-Carey Glass Co., Indianapolis, Ind.
GIBRALTER scales—Mason, Davis & Co., 7740 S. Chicago av, Chicago, Ill.
**GIBSON** coal entry drivers—Ingersoll-Rand Co., 11 Broadway, New York
**GIBSON'S** guy grippers—Jas. H. Channon Mfg Co., 227 W. Erie, Chicago, Ill.
**GIBSON'S** soap polish—Cudahy Packing Co., 111 W. Monroe, Chicago, Ill.
GICO tungsten lamps—General Illuminating Co., 47 Green, New York
**GIDDING'S** dynamometers—Schaeffer & Budenberg Mfg. Co., Berry & S. 5th, Brooklyn, N. Y.
**GIES** gears—Gies Gear Co., Boydell bldg, Detroit, Mich.
**GIESEY'S** window sash pivots—Steiner & Voegtly Hardware Co., 230 Diamond, Pittsburgh, Pa.
**GIFORD'S** paring knives—Boker Cutlery & Hardware Co., 101 Duane, New York
**GIFFORD** air compressors—Gifford Engine Co., Lansing, Mich.
**GILBERT** alarm clocks—W. L. Gilbert Clock Co., Winsted, Conn.
**GILBERT** automobile tire holders & crank handle handles & tire covers—Gilbert Mfg. Co., New Haven, Conn.
GILBERT educational toys—A. C. Gilbert Co., New Haven, Conn.
GILBERT stylographic fountain pens—Wayne Specialty Co., Ft. Wayne, Ind.
GILBERT tin plate—Follansbee Bros. Co., 3d & Liberty, Pittsburgh, Pa.
**GILBERT** wood split pulleys—Saginaw Mfg. Co., Saginaw, Mich.
GILBERT & BARKER gas furnaces, fuel oil burners, fuel oil pumps & tanks, self-measuring oil pumps, storage tanks—Gilbert & Barker Mfg. Co., Springfield, Mass.
**GILBERT'S** gauge glass preservers—R. F. Morse, 86 Weybosset, Providence, R. I.



**GILDE** trolley track door hangers—Frantz Mfg. Co., Sterling, Ill.
**GILE** tractors—Gile Tractor & Engine Co., Ludington, Mich.
**GILES** heel plates—Laing, Harrar & Chamberlin, 43 N. 3rd, Phila., Pa.
**GILGEN** electric fuses—Central Telephone & Elec. Co., 310 N. 11th, St. Louis, Mo.
GILL piston rings—Gill Mfg. Co., 8300 S. Chicago av, Chicago, Ill.
**GILL** tungsten lamp reflectors—Gill & Co., Phila., Pa.
**GILLETTE** blade razor stroppers—Edward Zinn, 11th av & 25th, New York
**GILLETTE** safety razors—Gillette Safety Razor Co., 41 W. First, Boston, Mass.
GILMER automobile belts—L. H. Gilmer Co., Cottman & Keystone, Tacony, Pa.
**GILMORE** shoe buffing machines—Donnelly Machine Co., Brockton, Mass.
**GILMORE** tube scraper cleaners—Gilmore Tube Scraper Works, Buffalo, N. Y.
**GILMOUR** stone planing machines—Lincoln Iron Works, Rutland, Vt.
**GILSELGLOSS** insulating varnishes—Central Paint & Supply Co., Railway Exch. bldg, St. Louis, Mo.
**GILSON** gasoline engines—Gilson Mfg. Co., Port Washington, Wis.
**GILSON** power regulators for looms—Tillotson Humidifier Co., 78 Fountain, Providence, R. I.
**GILSONITE** asphalt cements & insulating asphalt—Certain-teed Products Corp., Boatman's Bank bldg., St. Louis, Mo.
**GILT EDGE** cotton rope—Anniston Cordage Co., Anniston, Ala.
**GILT EDGE** flooring—Rittenhouse & Embree Co., 3500 S. Racine av, Chicago, Ill.
GILT EDGE packing—General Asbestos & Rubber Co., Charleston, S. C.
**GILT EDGE** potato diggers—A. B. Farquhar Co., Ltd., York, Pa.
**GILT EDGE** round belting—I. B. Williams & Sons, Dover, N. H.
**GILT EDGE** shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
**GILT EDGE** steam & hot water heaters & hot air furnaces—R. J. Schwab Sons Co., 283 Clinton, Milwaukee, Wis.
GIPSY bench vises—Prentiss Vise Co., 110 Lafayette, New York
GIPSY combined anvils & vises—Bonney Vise & Tool Works, Allentown, Pa.
GIRARD air drill hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
**GIRARD** lawn mowers—Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
**GIRARD** turbine water wheels—I. P. Morris Co., Richmond & Norris, Phila., Pa.
**GIRARD** wrenches—Girard Wrench Mfg. Co., Girard, Pa.
**GIROD** electric furnaces—C. W. Leavitt & Co., 34 Church, New York
GIT hand soap—Git Mfg. Co., Westfield, Mass.
GITS oil hole covers & cups—Gits Bros. Mfg. Co., 1901 S. Kilbourn av, Chicago, Ill.
**GLACIER** refrigerators—Northern Refrigerator Co., Grand Rapids, Mich.
**GLACIER** stained glass substitutes—W. A. Ross & Bro., 11 S. William, New York
**GLACIER** SECCOTINE stained glass substitutes—Wm. B Qualle, 405 Lexington av, New York
**GLADER'S** package heading-up machines & hoop punching machines—Wm. Glader, 210 N. Ann, Chicago, Ill.
GLADIATOR belting—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
GLADIATOR stalk cutters—Moline Plow Co., Moline, Ill.
**GLADIUM** twist drills—Ebstein Bros., 127 Duane, New York
**GLARDON** Swiss files—Wm. Dixon, 39 John, New York
GLASBRITE glass polish—B. P. Forbes Co., 409 Superior av, Cleveland, O.
**GLASCOCK** wood splitting machines—Glascock Stove & Mfg. Co., Greensboro, N. C.
**GLASSFORD** dust arresters—Cleveland Nickel Works, 1167 W. 67th, Cleveland, Ohio
**GLASS KING** washboards—National Washboard Co., 72 W. Adams, Chicago, Ill.
GLEANER feed water heaters & purifiers—Pratt & Cady Co., Inc., Hartford, Conn.
**GLEANER** suction hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
**GLEDALE** agitator end gate seeders—Peoria Drill & Seeder Co., Peoria, Ill.
GLEDON flange plates—Dilworth, Porter & Co., Pittsburgh, Pa.

GLEMCO electric motors & small rotary converters—Great Lakes Elec. Mfg. Co., 11-17 S. Desplaines, Chicago, Ill.
GLENDALE grain, bagger & loader—Hart Grain Weigher Co., Peoria, Ill.
GLENDONE machinery steel—Ward's, Edgar T. Sons Co., 304 Hudson, New York
GLEN flue stops—J. L. Clark Mfg. Co., Rockford, Ill.
GLENDALE stalk rakes—Peoria Drill & Seeder Co., Peoria, Ill.
GLENN back water valves—Fred. E. Glenn, St. Charles, Ill.
GLENNY fruit jar wrenches—Wm. Glenny Glass Co., 10 W. Commerce, Cincinnati, Ohio
GLENSIDE core oil—Glenside Core Oil Co., 138 So. 4th, Phila., Pa.
GLENWOOD belting—Combination Rubber Mfg. Co., Bloomfield, N. J.
GLENWOOD gas ranges—Weir Stove Co., Taunton, Mass.
GLENWOOD packing & hose—Hewitt Rubber Co., Buffalo, N. Y.
GLENWOOD stoves—Weir Stove Co., Taunton, Mass.
GLIDDEN barbed wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
GLIDDEN ENDURANCE wood stains—Glidden Co., Madison av & Berea rd, Cleveland, O.
GLIDDEN'S dust absorbing floor oils, waterproofing materials & paint & varnish remover—Glidden Co., Madison av & Berea rd, Cleveland, O.
GLIDE door hangers & door rollers—Frantz Mfg. Co., Sterling, Ill.
GLIDE lawn mowers—Dille & McGuire Co., Richmond, Ind.
GLISTEN metal polish—Puritan Oil Co., 1244 W. 70th, Cleveland, Ohio
GLITTERBRITE body polish—R. M. Hollingshead Co., Camden, N. J.
GLITTERSHINE metal polish—Grady Mfg. Co., 250 Ely av, Astoria, N. Y.
GLOBE asbestos brake lining—United & Globe Rubber Co., Trenton, N. J.
GLOBE babbitt metal—Damascus Bronze Co., N. S., Pittsburgh, Pa.
GLOBE audiphones—Globe Ear Phone Co., 88 Tremont Co., Boston, Mass.
GLOBE babbitt metals & wire belt lacing—Hayden Supply Co., Grand Rapids, Mich.
GLOBE belt lacing—J. M. Hayden Co., Grand Rapids, Mich.
GLOBE belting—Schwartz Belting Co., 76 Murray, New York
GLOBE bronze powders—B. F. Drakenfeld & Co., 50 Murray, New York
GLOBE carbon paper & typewriter ribbons—Crown Ribbon & Carbon Mfg. Co., Rochester, N. Y.
GLOBE closet seats—Grand Rapids Hand Screw Co., Grand Rapids, Mich.
GLOBE dry batteries—National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, Ohio
GLOBE dust absorbing floor oils & hard wax floor polish—J. A. & W. Bird & Co., 88 Pearl, Boston, Mass.
GLOBE fly traps—Fred. J. Meyers Mfg. Co., Hamilton, Ohio
GLOBE fly traps—Reynolds Wire Co., Dixon, Ill.
GLOBE greenhouse valves—Fred. E. Glenn, St. Charles, Ill.
GLOBE hame tips—Frazer & Jones Co., Syracuse, N. Y.
GLOBE hot air furnaces—Globe Stove & Range Co., Kokomo, Ind.
GLOBE incubators & brooders—Shoemaker Incubator Co., Freeport, Ill.
GLOBE industrial starch & vegetable oils—Corn Products Refining Co., 17 Battery pl, New York
GLOBE lamp black—L. Martin Co., 81 Fulton, New York
GLOBE lubricating oils & greases—Globe Refining Co., 934 Rose bldg, Cleveland, Ohio
GLOBE lubricating oils & greases—A. W. Harris & Co., 17 Battery pl, New York
GLOBE mail boxes—W. A. Wheeler, Indianapolis, Ind.
GLOBE marine engines—Pennsylvania Iron Works Co., Eddystone, Pa.
GLOBE miners' lamps—Geo. T. Anton & Bro., Monongahela, Pa.
GLOBE packing—Cancos Mfg. Co., Garden & Bridge, Phila., Pa.
GLOBE padlock locks—U. S. Lock & Hardware Co., Columbia, Pa.
GLOBE paper punches—Globe Wernicke Co., 25 Carthage av, Cincinnati, Ohio
GLOBE pneumatic tires—Globe Rubber Tire Mfg. Co., Trenton, N. J.
GLOBE ranges—March-Brownback Stove Co., Pottstown, Pa.
GLOBE steel chilled shot—Globe Steel Co., Mansfield, Ohio
GLOBE steel needle wire—Wheelock, Lovejoy & Co., 23 Cliff, New York
GLOBE sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
GLOBE switch stands—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
GLOBE tool emery grinders—Globe Co., Sheboygan, Wis.
GLOBE tool sharpeners—S. Walker Co., Worcester, Mass.
GLOBE tumbling barrels—Globe Machine & Stamping Co., 1250 W. 76th, Cleveland, Ohio
GLOBE ventilators—Globe Ventilator Co., Troy, N. Y.
GLOBE washing machines—Horton Mfg. Co., Fort Wayne, Ind.
GLOBE-LION hammocks—Hoffman-Corr Mfg. Co., 312 Market, Phila., Pa.
GLOBE SPECIALS gas & water cast iron pipes, grey iron castings & pipe fittings—Builders' Iron Foundry, 9 Codding, Providence, R. I.
GLOBE SPECIAL sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
GLO-LITE lighting fixtures—Cassidy & Co., Inc., 101 Park av, New York
GLOR feed carriers—Glor Bros. & Willis Mfg. Co., Attica, N. Y.
GLOUCESTER hammocks—E. L. Rowe & Son, Gloucester, Mass.
GLOUCESTER kitchen sinks—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
GLOVER'S belt fasteners—Water-Garland Co., Louisville, Ky.
GLOWER incandescent electric lamps—Nernst Lamp Co., Fayette & Garrison pl. Pittsburgh, Pa.
GLUTRIN core compounds—Robeson Process Co., 18 E. 41st, New York
GLYCO—babbitt metal—Jos. T. Ryerson & Son, 910 Corn Exchange bldg. & 16th & Rockwell, Chicago, Ill.
GLYMONT cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
GLYPHO glycerine—Chas. W. Jacob & Allison, 18 Cedar, New York
GOAT BRAND plushes—L. C. Chase & Co., 89 Franklin, Boston, Mass.
GODDARD burr pickers'—Curtis & Marble Machine Co., Worcester, Mass.
GODDARD'S rawhide mallets—Brockton Mallet Co., Brockton, Mass.
GO-BASKET children's carriages—Withrow Mfg. Co., 2727 Spring Grove av, Cincinnati, Ohio
GO-EASY conduit wiring rods—Diamond Expansion Bolt Co., 89 West, New York
GO-EASY garden cultivators—Moore Plow & Implement Co., Greenville, Mich.
GOES LIKE SIXTY gasoline engines—Gilson Mfg. Co., Port Washington, Wis.
GOETZ packing, lead gaskets, valve discs, pipe joint cements—Goetze Gasket & Packing Co., New Brunswick, N. J.
GOETZERIT gaskets & packing—Goetze Gasket & Packing Co., New Brunswick, N. J.
GOLD china painters' palettes—Stirrup Mfg. Co., Inc., Market, Newark, N. J.
GOLD hot water radiators—Buckingham Routh Co., New Haven, Conn.
GOLDBLATT trowels—H. Goldblatt Tool Co., Kansas City, Mo.
GOLDCREST lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
GOLDEN bronzed wire cloth—Wickwire Spencer Steel Corp, Worcester, Mass.
GOLDEN clutch—Marden, Orth & Hastings, 136 Liberty, New York
GOLDEN steam traps—Golden-Anderson Valve Specialty Co., Fulton bldg., Pittsburgh, Pa.
GOLDEN weather strips—Michigan Engine Valve Co., 115 W. Columbia, Detroit, Mich.
GOLDEN FLEECE degras—Pfaltz & Bauer, 300 Pearl, New York
GOLDEN FLEECE rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
GOLDEN GATE beer valves & racking apparatus—Golden Gate Mfg. Co., 9 Desbrosses, New York
GOLDEN GATE cement—Pacific Portland Cement Co., Cons., Pacific bldg, San Francisco, Cal.
GOLDEN GATE packing, belting, & rubber hose—Pioneer Rubber Mills, San Francisco, Cal.
GOLDEN GLOW lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
GOLDEN GRAIN babbitt metal—Cleveland Alloys Co., Elm & Superior, Cleveland, Ohio

GOLDEN HOUSE vacuum cleaners—Hugro Mfg. Co., 327 S. La Salle, Chicago, Ill.
GOLDEN PHEASANT powder (for export only)—du Pont de Nemours & Co., E. I., Wilmington, Del.
GOLDEN ROD brazing solder—Shimer, McGlynn & Co., 19th & Washington, Philadelphia, Pa.
GOLDEN ROD garden barrows—Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
GOLDEN ROD packing—La Favorite Rubber Mfg. Co., Hawthorne, N. J.
GOLDEN ROD rubber hose—Whitehead Bros. Rubber Co., Trenton, N. J.
GOLDEN RULE grease cups—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
GOLDEN RULE stoves—A. Weiskittel & Son, 12th & E. Lombard, Baltimore, Md.
GOLDEN SCEPTRE metal polish—Rath Mfg. Co., Headley & Richmond, Phila., Pa.
GOLDEN STAR metal & furniture polish—R. W. Morris Mfg. Co., Kansas City, Mo.
GOLDEN STATE belting—H. N. Cook, Belting Co., 401 Howard, San Francisco, Cal.
GOLDIE railroad track spikes & rail brace plates—Dilworth, Porter & Co., Pittsburgh, Pa.
GOLD MEDAL carpet linings—Newton Paper Co., Holyoke, Mass.
GOLD MEDAL cordage & twine—American Mills Co., Atlanta, Ga.
GOLD MEDAL furniture polish—Gold Medal Polish Co., Racine, Wis.
GOLD MEDAL house paint—E. I. du Pont de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
GOLD MEDAL linen ledger paper—Crane Bros., Westfield, Mass.
GOLD PIN hot water radiators—H. B. Smith Co., Westfield, Mass.
GOLD'S CYCLONE car ventilators—Gold Car Heating & Lighting Co., 17 Battery pl, New York
GOLD SEAL blue print paper—New York Blue Print Paper Co., 102 Reade, New York
GOLD SEAL packing & rubber hose—Goodyear Rubber Co. & Rubber Clothing Co., 787 Broadway, New York
GOLD SEAL rubber belting, oiled clothing & fire extinguishers—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
GOLD X-L SECTIONAL steam & hot water heaters—H. B. Smith Co., Westfield, Mass.
GOLDSHINE polish—Van Tilburg Oil Co., Minneapolis, Minn.
GOLDSMITH throttle valves—Stephens, Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
GOMACO damp resisting paint—Goheen Corp., 25 W. 43rd, New York
GOOD plumbers' washers—Good Mfg. Co., 305 E 134th, New York
GOOD rubber goods—Good Mfg. Co., 305 E. 134th, New York
GOOD store fixtures—W. B. McLean Mfg. Co., 729 Herron av, Pittsburgh, Pa.
GOODELL mitre boxes—Goodell-Pratt Co., Greenfield, Mass.
GOODELL saw & lathe—Millers Falls Co., 28 Warren, New York
GOODELL-PRATT drill chucks—Goodell-Pratt Co., Greenfield, Mass.
GOODELL TOOL CO. bit braces & stocks—Goodell-Pratt Co., Greenfield, Mass.
GOOD ENOUGH carpet beaters—Carpet Beater Co., Windsor, N. Y.
GOOD ENOUGH plows—Moline Plow Co., Moline, Ill
GOODFELLOW'S can salting machine—J. P. Goodfellow, Blaine, Wash.
GOODHUE windmills—Appleton Mfg. Co., Batavia, Ill.
GOOD LUCK fishing reels, fish scalers & gaff hooks—General Phonograph Corp., 25 W. 45th, New York
GOOD LUCK hose & fruit jar rubbers—Boston Woven Hose & Rubber Co., Cambridge, Mass.
GOOD LUCK key chains—S. I. Atwater, 101 Lafayette, New York
GOOD LUCK red sheet packing—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
GOODMAN gas main stoppers — Safety Gas Main Stopper Co., 263 E. 133d, New York
GOODMAN wrecking hooks—National Malleable Castings Co., 7706 Platt, S. E., Cleveland, Ohio
GOODRICH tires, belting, tennis balls, tire cements—B. F. Goodrich Co., Akron, Ohio
GOOD WILL gas ranges—F. A. Klaine Co., Front & Central, Cincinnati, Ohio
GOODWIN brake beam clamps—Pearson Jack Co., 185 Franklin, Boston, Mass.
GOODWIN dump cars—Goodwin Car & Mfg. Co., Inc., 17 Battery pl, New York



GOODYEAR balata belting—Goodyear Tire & Rubber Co., Akron, Ohio
GOODYEAR lumber load binders—A. B. Goodyear, Bloomdale, Ohio
GOODYEAR SPECIAL rubber lined cotton hose—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
GOODYEARITE sheet packing—Goodyear Tire & Rubber Co., Akron, Ohio
GOPHER portable grain elevators—Warner Elevator Mfg. Co., Warner, Ill.
GORDON fire extinguishers—Orville E. Gordon, Rays Crossings, Ind.
GORDON PRIMARY open batteries—Waterbury Battery Co., Waterbury, Conn.
GORD'S rubber roofing — Ford Mfg. Co., 2339 La Salle, Chicago, Ill.
GORHAM special patent brass & bronze castings—Gorham Co. Arch'l Bronze, 5th av & 36th, New York
GORHAM STANDARD window & store front construction—Gorham Co., Arch'l Bronze, 5th av & 36th, New York
GOSHEN feed cookers, hog scalders, tank heaters—Kelly Foundry & Machine Co., Goshen, Ind.
GOSHEN HILL step ladders—Goshen Churn & Ladder Co., Goshen, Ind.
GOTHAM thermometers—C. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
GOTHIC steam & hot water heaters—Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
GOUBERT feed water heaters, steam & hot water heaters, steam condensers & hot water generators—Griscom-Russell Co., 92 West, New York
GOULAC core compound—American Gum Products Co., 200 5th av, New York
GOULD car couplers, draft gear, journal boxes—Gould Coupler Co., 30 E. 42nd, New York
GOULD'S sheet packing—Gould Packing Co., Cambridge, Mass.
GOVERNOR disc harrows—Racine-Sattley Co., Springfield, Ill.
GOVERNOR handle drags—General Phonograph Corp., 25 W. 45th, New York
GOW foundry molding machines—Elmira Foundry Co., Elmira, N. Y.
GOWANDA feed cutters & maple sugar evaporators & castings—Gowanda Agricultural Works, Gowanda, N. Y.
GOWANUS belt lacing—Chas. A. Schieren & Co., 30 Ferry, New York
GRABER water gauges—B. Hoffman Mfg. Co., Milwaukee, Wis.
GRABLER pipe hangers, chain attachment drills—Grabler Mfg. Co., Cleveland, Ohio
GRACE DARLING curling irons—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
GRADE A tungstic acid—York Metal & Alloy Co., York, Pa.
GRADERS water cooling towers—Ruemmeli-Dawley Mfg. Co., 3900 Chouteau av, St. Louis Mo.
GRADOMETERS grade indicating meters—Adams Co., Dubuque, Ia.
GRAFFCO CLING paper clips—Geo. B. Graff Co., 294 Washington, Boston, Mass.
GRAFFCO SILVER STEEL pens—Geo. B. Graff Co., 294 Washington, Baston, Mass.
GRAFFCO VISE paper clips, index tabs & signals—Geo. B. Graff Co., 294 Washington, Boston, Mass.
GRAFITE packing mfrs. flexible fibre & sheet packing—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
GRAFLEX cameras—Eastman Kodak Co., Rochester, N. Y
GRAFTON lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
GRAHAM blast furnaces—Va. Iron, Coal & Coke Co., Roanoke, Va.
GRAHAM drill speeders—Graham Mfg. Co., 96 Point, Providence, R. I.
GRAHAM twist drills & drill chucks—Detroit Twist Drill Co., 634 Fort, W. Detroit, Mich.
GRAHAM A all steel lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
GRAIN KING shoveling and end gate boards—Litchfield Mfg. Co., Waterloo, Ia.
GRAIN KING thresher belting—Boston Woven Hose & Rubber Co., Cambridge, Mass.
GRAIN wood scoops—John Sommer Faucet Co., 355 Central av, Newark, N. J.
GRAIN SAVER steel grain bins—Martin Steel Products Co., Mansfield, Ohio
GRAKNIGHT belting—Grafton & Knight Mfg. Co., Worcester, Mass.
GRAKNIGHT DYNAMO belting—Graton & Knight Mfg. Co., Worcester, Mass.

GRA-HOUN children's vehicles—Rundle Novelty Co., 142 W. 3d, Columbus, Ohio
GRANBY spelter—American Zinc, Lead & Smelting Co., 120 B'way, New York
GRAND concrete mixers, foundry riddles—Hall-Holmes Mfg. Co., Jackson, Mich.
GRAND gas radiators—Union Stove Works, 70 Beekman, New York
GRAND hot blast & wood stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
GRAND refrigerators—Challenge Refrigerator Co., Grand Haven, Mich.
GRAND DETOUR clod crushers, sled cultivators & walking & riding listers—Grand Detour Plow Co., Dixon, Ill.
GRAND DIAMOND NO. 2 fireplace heaters—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
GRAND DOMESTIC fire place heaters—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
GRAND EAGLE stoves—Grinberg Bros., 154 South, New York
GRAND EMERALD cook stove—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
GRAND OAK heating stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
GRAND PRIZE tooth picks—E. B. Estes & Sons, 364 5th av, New York
GRAND RAPIDS ice cream cabinets—Chocolate Cooler Co., Grand Rapids, Mich.
GRAND RAPIDS sash pulleys—Grand Rapids Hardware Co., Grand Rapids, Mich.
GRAND SOLAR fire place heaters—Sanitary Heating Co., 233 37th, Brooklyn, N. Y.
GRAND STORES—Cleveland Co-Operative Store Co., 232 E. 67th, Cleveland, Ohio
GRANGER fruit evaporators—Babcock Mfg. Co., Leonardsville, N. Y.
GRANGER pruning shears—Smith, Seymour & Son, Oakville, Conn.
GRANGER rubber & suction hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
GRANITE cement & wood fibre plaster & wall finish—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
GRANITE clothes lines—Estes Mills, Fall River, Mass.
GRANITE plumbers & mining candles—Standard Oil Co. of N. Y., 555 W. 25th, New York
GRANITE rubber hose—Revere Rubber Co., Chelsea, Mass.
GRANITE STATE lawn mowers—Granite State Mowing Machine Co., Hinsdale, N. H.
GRANITINE artificial stone laundry tubs—Chicago Granitine Mfg. Co., 3619 Wall, Chicago, Ill.
GRANOLITIC cement hardeners—Granolitic Co., 471 N. Snelling av, St. Paul, Minn.
GRANT arc lamps—General Illuminating Co., 47 Greene, New York
GRANT bolt cutter dies—Pratt & Whitney Co., Hartford, Conn.
GRANT circular saws—Frank Hamachek, Kewaunee, Wis.
GRANT motor trucks—Grant Motor Car Corp., Coit rd & Kirby av, Cleveland, O.
GRANT pneumatic riveters & riveting machines—Grant Mfg. & Machine Co., Bridgeport, Conn.
GRANT sash pulleys—Grant Pulley & Hardware Co., 101 Park av, New York
GRANT spark plugs—General Illuminating Co., 47 Greene, New York
GRANT'S milk bottle protectors—Burgess-Norton Mfg. Co., Geneva, Ill.
GRAPHALENE graphite lubricants—Monarch Mfg. Co., Council Bluffs, Ia.
GRAPHILATUM roofing cements—Klein Mfg. Co., American Trust bldg., Cleveland, O.
GRAPHINOIL graphite lubricants—Winslow Lubricating Co., 608 Swan, Buffalo, N. Y.
GRAPHITE engine lubricators—Lunkenheimer Co., Beckman & Waverly, Cincinnati, Ohio
GRAPHITE PERFECTO lubricating oils & greases—Theron T. Southwick Oil Co., Rochester, N. Y.
GRAPHO axle grease—A. G. Harbaugh Co., Hipp Annex bldg., Cleveland, O.
GRAPHO core compounds—Pure Carbon Co., Wellsville, N. Y.
GRAPHO-ASBESTOS metallic packing—Strong Machinery & Supply Co., 21 Walker, New York
GRAPHO-BESTOS packing—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
GRAPHOBESTO packing—Chicago Engineer Supply Co., 68 W. Lake, Chicago, Ill.
GRAPHOIL graphite lubricants & lubricating oils & greases—Graphoil Lubricating Co., 71 Clymer, Brooklyn, N. Y.
GRAPHO RIVALITE metallic packing—Strong Machinery & Supply Co., 21 Walker, New York
GRAPHOSCOPE moving picture mach.—Graphoscope Development Co., 49 Mechanic, Newark, N. J.
GRAPHOSE journal bearings—Chicago Bearing Metal Co., 2220 W. 43rd, Chicago, Ill.
GRASSHOPPER canners' fruit washing & scalding machines—Vance & Baker Mfg. Co., Muscatine, Ia.
GRAVER water softening & purifying apparatus—Graver Corp., East Chicago, Ind.
GRAVES galvanized copper boilers—John Trageser Steam Copper Works, 447 W. 26th, New York
GRAVITY sash locks—Merital Devices Selling Co., Cleveland, Ohio
GRAVITY PLANE mine hoists—Robt. Holmes & Bros., Danville, Ill.
GRAWIN pot cover repair knobs—Graham & Berwin, 107 Lafayette, New York
GRAY automobile mufflers—Gray-Hawley Mfg. Co., Detroit, Mich.
GRAY farm tractors—Gray Tractor Co., 30th av S. E. & N. P. tracks, Minneapolis, Minn.
GRAY hot blast stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
GRAY sheet metal cutting machines—W. J. Savage Co., Knoxville, Tenn.
GRAY thread milling machines—Gray Mach. Tool Co., 2661 Main, Buffalo, N. Y.
GRAY EAGLE marble—Asbury Marble Co., Knoxville, Tenn.
GRAY EAGLE marble—Gray Eagle Marble Co., Knoxville, Tenn.
GRAY KING fire hose—B. F. Goodrich Co., Akron, Ohio
GRAY LINE screw drivers—Harding Mfg. Co., Mansfield, Mass.
GRAYS HARBOR fir & spruce lumber—National Lumber & Mfg. Co., Hoquiam, Wash.
GRAY'S valve grinding compounds & velvet belt dressing—Gray Specialty Co., 148 Avon av, Newark, N. J.
GREAT AMERICAN ball bearing lawn mowers—Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
GREAT ARROW lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
GREAT BEAR high speed steel—Ontario Electric Steel Co., Inc., Fulton, N. Y.
GREAT LAKES marine paints—Hardy Paint & Varnish Co., Toledo, Ohio
GREAT NORTHERN harrow carts & shoveling & end gate board—Peoria Drill & Seeder Co., Peoria, Ill.
GREAT NORTHERN hot water & steam heaters—Kewanee Boiler Co., Kewanee, Ill.
GREAT STICKEST mucilage—Carter's Ink Co., E. Cambridge, Boston, Mass.
GREAT WEST riding & walking listers—Gale Mfg. Co., Albion, Mich.
GREAT WESTERN axle oils—Great Western Oil Co., 2846 E. 37th, Cleveland, Ohio
GREAT WESTERN clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
GREAT WESTERN cream separators & feed carriers & manure spreaders—Rock Island Plow Co., Rock Island, Ill.
GREAT WESTERN disc harrows—Cutaway Harrow Co., Higganum, Conn.
GREAT WESTERN drag road scrapers—Sidney Steel Scraper Co., Sidney, O.
GREAT WESTERN files—Nicholson File Co., Providence, R. I.
GREAT WESTERN incubators & brooders—Jones, Post & Co., Racine, Wis.
GREAT WESTERN wood fibre plaster—American Cement Plaster Co., Lawrence, Kans.
GREATER DAYTON pneumatic hammers—Dayton Pneumatic Tool Co., Dayton, O.
GREATER PITTSBURGH dumping wagons—Milburn Wagon Co., Toledo, Ohio
GREAVES—ETCHELLS system electric furnaces—Electric Furnace Constructions Co., Finance bldg, Phila., Pa.
GREDAG graphite lubricants—Acheson Graphite Co., Niagara Falls, N. Y.
GREEDYGRINDER root cutters—Gray Iron Casting Co., Springfield, Ohio
GREEK padlocks—Slaymaker Lock Co., Lancaster, Pa.
GREEN blowers—Wilbraham-Green Blower Co., Pottstown, Pa.
GREEN grate bars & mechanical stokers—Green Engineering Co., East Chicago, Ind.
GREEN pneumatic tools—Dayton Pneumatic Tool Co., Dayton, Ohio
GREEN A calcined plaster—Grand Rapids Plaster Co., Grand Rapids, Mich.
GREEN END open hearth steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.

GREEN LABEL lithophone—New Jersey Zinc Co., 160 Front, New York
GREEN MOUNTAIN lawn mowers—Worcester Lawn Mower Co., Worcester, Mass.
GREEN RIVER dies & screw plates—Greenfield Tap & Die Corp., Greenfield, Mass.
GREEN SEAL belt dressing—Phoenix Oil Co., 2554 W. 5th, Cleveland, Ohio
GREEN SEAL house paint—Hanna Paint Mfg. Co., Columbus, Ohio
GREEN SEAL oxide of zinc—New Jersey Zinc Co., 160 Front, New York
GREEN WHEELOCK steam engines—American & British Mfg. Co., Bridgeport, Conn.
GREENDALE RUG front brick—Hocking Valley Products Co., Columbus, Ohio
GREENE car hauls—C. O. Bartlett & Snow Co., French, Cleveland, Ohio
GREENERD arbor presses—E. E. Bartlett, 326 A., Boston, Mass.
GREENFIELD drill chucks—Goodell-Pratt Co., Greenfield, Mass.
GREENFIELD drill chucks & mitre boxes—Goodell Mfg. Co., Greenfield, Mass.
GREENFIELD flexible metallic & interior conduits—Sprague Electric Works, 527 W. 34th, New York
GREENFIELD reamer grinders—Greenfield Machine Co., Greenfield, Mass.
GREENFIELD storm sash hangers—W. J. Dennis & Co., 2120 W. Lake, Chicago, Ill.
GREENHOUSE rubber hose—Empire Tire & Rubber Corp, Trenton, N. J.
GREENLAW flexible joints—Greenlaw Mfg. Co., 141 Milk, Boston, Mass.
GREENLEE auger bits—Greenlee Bros. & Co., Rockford, Ill.
GREEN'S metallic library shelving—Snead & Co. Jersey City, N. J.
GREEN'S seamless drawing tubing—American Tube Works, 10 Oliver, Boston, Mass.
GREENWICH linoleum—Henry Beutell & Son, 114 5th av, New York
GREENWOOD garden hose—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
GREENWOOD lawn mowers—Dille & McGuire Co., Richmond, Ind.
GREENWOOD metallic dabbers—Tillotson Humidifier Co., 78 Fountain, Providence, R. I.
GREENWOOD stave jointing machines—Rochester Barrel Machine Works, Rochester, N. Y.
GREER electric fuses—Harvard Electric Co., 525 W. Van Buren, Chicago, Ill.
GREESE railway track movers—Mann-McCann Co., Fisher bldg., Chicago, Ill.
GREOIL lubricating greases—Wm. C. Robinson & Son Co., 32 So. Baltimore, Md.
GRESHAM boiler injectors—Nathan Mfg. Co., 416 E. 106th, New York
GRESOLVENT hand soap—Utility Co., 636 W. 44th, New York
GRETCHEN bean & pea planters—Moline Plow Co., Moline, Ill.
GREYHOUND auto cement, polish, oil soap lubricating grease—Camden Chem. Mfg. Co., 1800 Mickle, Camden, N. J.
GREYHOUND forge blowers—Gardner, R., Electrical Works, 1712 Columbus rd, Cleveland, Ohio
GREYHOUND rubber tires—Ideal Tire & Rubber Co., Warner rd, Cleveland, Ohio
GREYSTONE MILLS absorbent cotton—Frank B. Graves, Albany, N. Y.
GRIDLEY turret lathes, automatic turret machines & spindles—National Acme Co., 7500 Stanton av, S. E., Cleveland, O.
GRIEVE dumping grates—Combustion Engineering Corp., 11 Broadway, New York
GRIFFIN grinding mills—Bradley Pulverizer Co., 92 State, Boston, Mass.
GRIFFIN safety razors—A. L. Silberstein, 600 W. 157th, New Yoork
GRIFFIN suction conveyors—Griffin Engineering & Construction Co., Elkhart, Ind.
GRIFFIN MILL pulverizing machinery—Bradley Pulverizer Co., 92 State, Boston, Mass.
GRIFFITH'S pump governors—Collins Mfg. Co. (Ltd.), 612 Chestnut, Phila., Pa.
GRIFFON cutlery—A. L. Silberstein, 600 W. 157th, New York
GRIMES foundry molding machines and jolt ramming—Midland Machine Co., 1218 Hastings, Detroit, Mich.
GRIMM maple sap buckets, maple syrup cans & maple sugar evaporators—G. H. Grimm, Rutland, Vt.
GRIMSHAW insulating tape & black rubber covered wire—New York Insulated Wire Co., 84 State, Boston, Mass.



GRINDAN grinding paste—Grindan Mfg. Co., Albany, N. Y.
GRINNELL automatic fire sprinklers—General Fire Extinguisher Co., Providence, R. I.
GRINNELL instantaneous electric water heaters—Grinnell Electric Heater Co., Grinnell, Ia.
GRINNELL WRIST FIT leather gloves—Morrison-Ricker Mfg. Co., Grinnell, Ia.
GRIP carriage fasteners—English & Mersick Co., New Haven, Conn.
GRIP fruit jar wrenches—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
GRIP pipe couplings—Grabler Mfg. Co., Ware, Mass.
GRIP stove lid lifters—Hamblin & Russell Mfg. Co., Worcester, Mass.
GRIP GREASE cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
GRIPLOCK chain link belting—Chain Belt Co., Milwaukee, Wis.
GRIP NECK bed & furniture casters—Universal Caster & Foundry Works, Newark, N. J.
GRIPSALL pipe wrenches—Frank Mossberg Co., Attleboro, Mass.
GRIPTITE asbestos brake lining, clutch facings, friction surfaces—Dominion Asbestos Rubber Corp., 154 Nassau, New York
GRIPTITE ground connection clamps—Novelty Electric Co., 50 N. 4th, Phila., Pa.
GRISWOLD-AMERICAN waffle irons—Griswold Mrg. Co., Erie, Pa.
GRISWOLD fry pans, aluminum hollow ware & meat & food choppers—Griswold Mfg. Co., Erie, Pa.
GROBET Swiss files & rifflers—Montgomery & Co., 105 Fulton, New York.
GRONKVIST drill chucks—Swedish Gage Co., Inc., 245 W. 55th, New York
GRONVOLD boiler flue cleaners—Burgess Machine Co., New Haven, Conn.
GRONWALL electric furnaces—John A. Crowley Co., 120 Liberty, New York
GROSS oil & gasoline pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
GROSSER hosiery knitting machines—Max Nydegger, 260 W. Broadway, New York
GROTE sectional heaters—F. Grote Works Co., Evansville, Ind.
GROUND HOG road scrapers—Sidney Steel Scraper Co., Sidney, Ohio
GRUB tank heaters—Drew Carrier Co., Waterloo, Wis.
GRUBITE chemically pure granite—Grueby Faience & Tile Co., Perth Amboy, N. J.
GRUNDY flexible couplings—Chas. Bond Co., 617 Arch, Phila., Pa.
GRUWA-HUNTINGTON emery wheel dressers—Challenge Machine Co., 5116 Springfield av, Phila., Pa.
GUARANTEE clothes washing machines—Michigan Washing Machine Co., Muskegon, Mich.
GUARANTEE rubber packing—Acme Rubber Mfg. Co., Trenton, N. J.
GUARANTEE soda water fountains—Fountain Specialty Co., Grand Haven, Mich.
GUARANTEED PERFECTION cobblers' outfits—Fate Root-Heath Co., Plymouth, Ohio
GUARD grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
GUARD padlocks—Slaymaker Lock Co., Lancaster, Pa.
GUARDIAN cotton hose & sheet packing—Pioneer Rubber Mills, San Francisco, Cal.
GUARDIAN roofing felts & composition—Flintkote Co., 88 Pearl, Boston, Mass.
GUGENSTROM bath water heaters—Federal-Huber Co., 234 N. Halsted, Chicago, Ill.
GUIBERT fire hose reels—Cliff & Guibert Co., 460 W. Broadway, New York
GUILFORD fireplace heaters—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
GUILLOTT metalic gaskets—Gasket Mfg. Co., Galeton, Pa.
GULLAND stand pipes—Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
GUN hand & machine taps—Greenfield Tap & Die Corp., Greenfield, Mass.
GUNNELL pneumatic tools—Manitowoc Ship Bldg. & Dry Dock Co., Manitowoc, Wis.
GUNNER cotton hose—Acme Rubber Mfg. Co., Trenton, N. J.
GUNTHER'S hot water heaters—Peter's Pump Co., Kewanee, Ill.
GURLEY hook gage meter recorders—W & L. E. Gurley, Troy, N. Y.
GURLY horse back bands—Couch Bros. Mfg. Co., Atlanta, Ga.

GURNEY ball bearings—Gurney Ball Bearing Co., Jamestown, N. Y.
GURNEY down draft boilers, radiators, steam & hot water heaters & radiators—Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
GUSHER cog gear pumps—F. E. Myers & Bro., Ashland, Ohio
GUSTAFSON mine car wheels—Gustafson Mfg. Co., Chattanooga, Tenn.
GUTH farm gates—Guth Gate Co., Waverly, Ohio
GUTHRIE self-measuring oil pumps—R. E. Chapin Mfg. Works, Batavia, N. Y.
GUTTA BALATA belting—Boston Belting Corp., 84 Linden Park, Boston, Mass.
GYITE sealing wax—Insulatine Co., 1 Broadway, New York
GYPSINE wall finish—Anti-Kalsomine Co., Grand Rapids, Mich.
GYSINGE alloy steel—Electro Steel Co., Inc., Curry bldg, Pittsburgh, Pa.
GYPSITE column coverings, fire-proof floors, tile ceilings—Gypsite Fireproofing Co., Penobscot bldg, Detroit, Mich.
GYPSY grass hooks—Dunn Edge Tool Co., Oakland, Me.
GYPSY hand windlasses—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
GYPSY windlasses—Gillie Machine Co., Tonawanda, N. Y.
GYRATORY rock crushers—Traylor Engineering & Mfg. Co., Allentown, Pa.
GYRO rubber heels—James Mfg. Co., Cleveland, Ohio
GYROFAN electric ceiling fans—Adams-Bagnall Electric Co., Platt av., Cleveland, O.
H. removable screw calks—Rowe Calk & Chain Co., Plantsville, Conn.
H. B. carbon paper & typewriter ribbons—J. A. Heale & Co., 96 John, New York
H. B. dredge chains—American Chain Co., Bridgeport, Conn.
H.-B roof snow guards—Clason Architectural Metal Works, 428 Kinsley av, Providence, R. I.
H.-B.—D. W. F. ball bearings, car journals & shaft hangers—Hess-Bright Mfg. Co., Front & Erie av, Phila., Pa.
H. C. automobile & motor truck jacks—Lane Bros. Co., Poughkeepsie, N. Y.
H. C. polishing shot—Globe Steel Co., Mansfield, Ohio
H C. virgin clay scrapers—Chambers Bros. Co., 52nd, bel. Lancaster av, Phila., Pa.
H. C. B. manganese steel centre tongue switches: track & street railway switches—Wm. Wharton, Jr., & Co., Inc., Easton, Pa.
H. D. ejectors & noiseless water heaters—Hayden & Derby Mfg. Co., 119 W. 40th, New York
H. D. S. & CO. pincers—H. D. Smith & Co., Plantsville, Conn.
H. G. barr drilling machines—Francis Reed Co., Worcester, Mass.
H. H. antimony—C. W. Leavitt & Co., 34 Church, New York
H. H. BROWN cattle dehorners—Leavitt Mfg. Co., Urbana, Ill.
H. H. steam traps—Jas. McCrea & Co., 562 W. Washington, Chicago, Ill.
H. E. H. tapping machines—Harris Engineering Co., Bridgeport, Conn.
H. H. H. pneumatic tires—H. H. H. Tire & Mfg. Co., 263 Halsey, Newark, N. J.
H I. & C. compression stops—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
H. K. brass castings—Brass Fdry. Co., Peoria, Ill.
H. M. & H. gas engines—Henry, Millard & Henry Co., York, Pa.
H. M. S. bull dog spark plugs—Hartford Machine Screw Co., Hartford, Conn.
H.-O. pipe joint cement & compounds—H. W. Johns-Manville Co., Madison av & 41st, New York
H. O. H. steel sheet—Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
H. P. M. forcing presses—Hydraulic Press Mfg. Co., Mt. Gilead, Ohio
H. R. M. calcined plaster—Grand Rapids Plaster Co., Grand Rapids, Mich.
H. S. automobile brake shoes, gears, hubs, commutators, rods, springs, wrenches, etc.—Hill Smith Metal Goods Co., 82 Brookline av, Boston, Mass.
H. S. EARLE'S corn harvester knives—North Wayne Tool Co., Hallowell, Me.
H. 20 waterproof belting—Schwartz Belting Co., 76 Murray, New York
H. T. manganese steel centre tongue switches: track & street railway switches—Wm. Wharton, Jr., & Co., Inc., Easton, Pa.
H. T. MILLER'S axes—American Axe & Tool Co., Glassport, Pa.
H. W. barn door latches—Hardware Specialty Mfg. Co., Anderson, Ind.
H.-W. cross head pin oilers—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
H. W. RICON gas retorts—Harbison-Walker Refractories Co., Farmers' Bank bldg., Pittsburgh, Pa.
H. W. W. wire connectors—Fairmount Electric & Mfg. Co., 59th & Woodland av, Phila., Pa.
H. & A. binder covers—Henry & Allen, Auburn, N. Y.
H. & A. revolvers—Hopkins & Allen Arms Co. (Br. of Marlin-Rockwell Corp.), Norwich, Conn.
H. & A. shoveling & end gate boards—Peoria Drill & Seeder Co., Peoria, Ill.
H. & B. bath waste—Hoffmann & Billings Mfg. Co., 100 2nd, Milwaukee, Wis.
H. & B. box openers, screw driver bits—Landers, Frary & Clark, New Britain, Conn.
H. & B. floor & ceiling plates—Parker Wire Goods Co., Worcester, Mass.
H. & B. flush plugs—Hatzell & Buehler, 373 4th av, New York
H. & B. golf clubs—Hillerich & Bradley Co., 725 So. Preston, Louiville, Ky.
H. & B. typewriter oils—J. A. Heale & Co., 96 John, New York
H. & D. fertilizer distributors & spring tooth harrows—Hench & Dronigold Co., York, Pa.
H. & G. collapsible taps & self opening die heads—Eastern Machine Screw Corp., New Haven, Conn.
H. & H. hair belting & patent leather trucks—Hamblet & Hayes Co., 284 Devonshire, Boston, Mass.
H. & H. horse back bands—Couch Bros. Mfg. Co., Atlanta, Ga.
H. & H. metallic & steel lockers, blue print, filing & shelving, tool cabinets, wardrobes—Hart & Hutchinson Co., Dept. C., New Britain, Conn.
H. & H. switches, switch boxes, flush plugs—Hart & Hegeman Mfg. Co., Hartford, Conn.
H. & L. electric fuses—H. T. Paiste Co., 3201 Arch, Philadelphia, Pa.
H. & N. carbureters—H. & N. Carbureter Co., 1675 B'way, New York.
H. & P. staybolt iron—Hughes & Patterson, 800 Richmond, Phila., Pa.
H. & R. base ball masks, sink brushes—Hamblin & Russell Mfg. Co., Worcester, Mass.
H. & R. revolvers—Harrington & Richardson Arms Co., Worcester, Mass.
H. & S. trolley wire splicing sleeves—Hickney & Schneider, Elizabeth, N. J.
HAAS anti-freezing water closets & flushing valves, Philip Haas Co., Dayton, Ohio
HAASE milling machine attachments—Enderes, Inc., Albert Lea, Minn.
HACH urinal strainers—Richard G. Hach, 159 E. 26th, New York
HACKER hand press & plate gauge rectifier—Hacker Mfg. Co., 312 N. May, Chicago, Ill.
HAGER automobile locks—Bradsto Appliances, Inc., 65 Main, Buffalo, N. Y.
"HAHL" pneumatic clocks—Time System Co., 870 Woodward av, Detroit, Mich.
HAHN watchman's clocks—Nanz Clock Co., 178 Fulton, New York
HAINER autographic registers & book-keeping machine—Hainer Book-Keeping Machine Co., 45 Williard av, Providence, R. I.
HAINES vacuum controllers & heating systems—Wm. S. Haines & Co., 12th & Buttonwood, Phila., Pa.
HAJOCA bath room fixtures—Haines, Jones & Cadbury Co., 1136 Ridge av, Philadelphia, Pa.
HALBY shoveling machines—Lake Shore Engine Works, Marquette, Mich.
HALCO sportsman's leggings—Hagerstown Shoe & Legging Co., Hagerstown, Md.
HALE automatic blind hinges—Parker Wire Goods Co., Worcester, Mass.
HALE gas mixers—Hale Gas Mixture Mfg. Co., Kansas City, Mo.
HALECTRALLOY Halcomb electric alloy steels, for motor cars, special engng. & mach. purposes—Halcomb Steel Co., Syracuse, N. Y.
HALEY hose nozzles—Boston Coupling Co., 156 Pearl, Boston, Mass.
HALF SOLE rubber tires—Gates Rubber Co., Denver, Colo.
HALL cast iron pipe cutters & pipe threading stocks—Walworth Mfg. Co., Boston, Mass.
HALL incandescent electric lamps—Capitol Electric Co., Denver, Colo.
HALL oil filters—Hall Mfg. Co., Harrison, N. J.
HALL potato hooks—Wallingford Mfg. Co., Wallingford, Vt.
HALL pumps—Hall Steam Pump Co., 213 Galveston, Pttsburgh, Pa.
HALLADAY windmills & wood tanks—U. S. Wind Engine & Pump Co., Batavia, Ill.

HALLETT trolley line materials, arc lamp brackets, anchor rods, cable reel jacks, cable trolleys, pole clamps—Hallett Iron Works, Harvey, Ill.
HALLIWELL gas electric hair dryers—Halliwell & Co., 64 E. 12th, New York
HALLO concrete hanger supports—Albert C. Racky, 531 S. 5th av, Chicago, Ill.
HALLOWAY chemical fire engines—James Boyd & Bro., 25th & Wharton, Philadelphia, Pa.
HALLOWELL shafting collars—Standard Pressed Steel Co., 20th & Indiana, Phila., Pa.
HALL-SCOTT passenger cars—Hall-Scott Motor Car Co., San Francisco, Cal.
HALL'S grate bars—Stowell Co., S. Milwaukee, Wis.
HALL'S oil & grease cups—Hall Mfg. Co., Harrison, N. J.
HALL'S patent safes—Hall's Safe Co., Cinn., O.
HALO metal polish—Standard Carbon Co., Los Angeles, Cal.
HALSEY ice chippers—Bernardin Bottle Cap Co., Evansville, Ind.
HALSTEAD attrition mills—Engelberg Huller Co., Syracuse, N. Y.
HAM sand boxes—Trojan Button Fastener Co., Troy, N. Y
HAMBURG potato diggers — Gowanda Agricultural Works, Gowanda, N. Y.
HAMBURG potato diggers—Hamburg Plow Works, Hamburg, Pa.
HAMILTON Corliss engines—Hooven, Owens, Rentschler Co., Hamilton, Ohio
HAMILTON disc harrows — Long & Allstater Co., Hamilton, Ohio
HAMILTON gas engines—Wogaman Bros. Co., Greenville, Ohio
HAMILTON shears & scissors—Wiebush & Hilger, 106 Lafayette, New York
HAMILTON steam engines, air & gas compressors, pumps, sugar cane mills—Hooven, Owens & Rentschler Co., Hamilton, Ohio
HAMILTON wooden barrows—Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
HAMILTON ADVANCE gasoline & traction engines—Advance Mfg. Co., Hamilton, Ohio
HAMILTON BEACH electric fans, motors, hair dryers, drink mixers, massage vibrators & vacuum cleaners, Hamilton-Beach Mfg. Co., Racine, Wis.
HAMILTON-PRATT cane sugar machinery—Hooven, Owens, Rentschler Co., Hamilton, Ohio
HAMMER core making machines—Rich Foundry Equipment Co., 2528 W. 48th pl, Chicago, Ill.
HAMMER screw pumps, hanging lamps—Hammer & Co., Branford, Conn.
HAMMER self-locking row locks — Malleable Iron Fittings Co., Branford, Conn.
HAMMER BRAND horse & mule shoes—Old Dominion Iron & Steel Corp., Belle Isle, Richmond, Va.
HAMMER HANDLE wrenches—Coes Wrench Co., Worcester, Mass.
HAMMERLOCK closet seats & plumbers' wood work —J. C. Eichman Mfg. Co., Bush & Wicomico, Baltimore, Md.
HAMMER THE HAMMER revolver—Johnson's Iver, Arms & Cycle Works, Fitchburg, Mass.
HAMMERMILL bond paper—Hammermill Paper Co., Erie, Pa.
HAMMON pipe couplings — Hammon Coupler Co., Farmers' Bank bldg., Pittsburgh, Pa.
HAMMOND can labeling machines—A. K. Robins & Co., 116 Market pl, Baltimore, Md.
HAMMOND die blocks—Hammond Steel Co., Inc., Syracuse, N. Y.
HAMMOND typewriters—Hammond Typewriter Co., 537 E. 59th, New York
HAMMOND water meters—Alberger Pump & Condenser Co., 140 Cedar, New York
HAMONDTANK steel tanks—Hammond Iron Works, Warren, Pa.
HAMPDEN paint—Hampden Paint & Chemical Co., Springfield, Mass.
HAMPDEN rug fasteners & picture hooks—Hampden Mfg. Co., 108 Fulton, New York
HAMPSHIRE artistic pottery—Hampshire Pottery, Inc., Keene, N. H.
HAMPSHIRE lawn mowers—Granite State Mowing Machine Co., Hinsdale, N. H.
HAMPTON metal lath—Penn Metal Co., 65 Franklin, Boston, Mass.
HAMPTON sedimentation tanks—Sterilization Co., 9 Clinton, Newark, N. J.
HAMR-HANDL screw drivers — Crescent Tool Co., 200 Harrison, Jamestown, N. Y.
HAM'S coping machines—L. M. Ham & Co., 158 Portland, Boston, Mass.
HANCHETT saw filing machines—Hanchett Swage Works, Big Rapids, Mich.



HANCOCK gasoline strainers — Hancock Mfg. Co., Charlotte, Mich.
HANCOCK inspirators & ejectors—Hancock Inspirator Co., 119 W. 40th, New York
HANCOCK jig for concentrating mills—Allis-Chalmers Mfg. Co., Milwaukee, Wis.
HANCOCK JR. disc plows—Racine-Sattley Co., Springfield, Ill
HANDI HANGER extension bars—M. B. Skinner Co., 562 W. Washington, Chicago, Ill.
HANDIHOOK picture hooks—August Goertz & Co., 276 Morris av, Newark, N. J.
HANDI-HOOK pot covers—Republic Metalware Co., Buffalo, N. Y.
HANDI-TOOL combination tools—C. E. Benefiel Co., Indianapolis, Ind.
HANDLAN drill chucks, car seal presses, engine & tail markers—Handlan-Buck Mfg. Co., 210-214 N. 3rd, St. Louis, Mo.
HANDLEFT belt conveyors—Brown Portable Conveying Machinery Co., 10 S. La Salle, Chicago, Ill.
HANDY anti rattlers—Monarch Carriage Goods Co., Cincinnati, Ohio
HANDY ash can trucks—W. G. Browne Mfg. Co., Kingston, N. Y.
HANDY automobile switches & receptacle plugs—Chicago Electric Mfg. Co., 2817 S. Halsted, Chicago, Ill.
HANDY bag trucks—Cardington Cabinet Co., Cardington, Ohio
HANDY baling presses—Grand Rapids Savage Co., Grand Rapids, Mich.
HANDY boiler flue plugs—Elisha Webb & Son, 136 S. Front, Phila., Pa.
HANDY broom holders—Reading Saddle & Mfg. Co., Reading, Pa.
HANDY brushes—Standard Brush Co., New Hartford, Conn.
HANDY can openers, kraut cutters, tack claws & pullers—Handy Things Mfg. Co., Ludington, Mich.
HANDY carboy carriers—Lansing Co., Lansing, Mich.
HANDY clothes line reels—Feeney Mfg. Co., Muncie, Ind.
HANDY clothes pin bags—Excelsior Bag & Mfg. Co., Troy, N. Y.
HANDY clothes washing machines—Glascock Bros. Mfg. Co., Muncie, Ind.
HANDY coal hods & poultry fountains—Franklin Galvanized Ware Mfg. Co., Franklin, Ind.
HANDY concrete mixers—Bolte Mfg. Co., Kearney, Neb.
HANDY corn hooks—Wallingford Mfg. Co., Wallingford, Vt.
HANDY drilling machine vises—Ainslie Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
HANDY dry heat rubber vulcanizers—R. H. Smith Mfg. Co., Springfield, Mass.
HANDY feed cutters—Hamburg Plow Works, Hamburg, Pa.
HANDY fishing rod holders—General Phonograph Corp., 25 W. 45th, New York
HANDY gauges—Caldwell Mfg. Co., 8 Jones, Rochester, N. Y.
HANDY glass cutters—Fletcher, Terry Co., Forrestville, Conn.
HANDY hand card cutting machines—L. F. Grammes & Sons, Allentown, Pa.
HANDY hand punches—Danzer Metal Works, Hagerstown, Md.
HANDY hose racks—Specialty Mfg. Co., 2362 University av, St. Paul, Minn.
HANDY incandescent lamp cleaners & lamp replacers—Frank W. Morse, 289 Congress, Boston, Mass.
HANDY lawn mower oilers—Bridgeport Brass Co., Bridgeport, Conn.
HANDY lawn sprinklers—L. R. Nelson, Peoria, Ill.
HANDY paint & white wash spraying machines—F. E. Myers & Bro., Ashland, Ohio
HANDY paper dishes—Star Paper Dish Co., Richmond, Va.
HANDY pipe vises—Dikeman Mfg. Co., Norwalk, Conn.
HANDY post drills—Illinois Iron & Bolt Co., Carpentersville, Ill.
HANDY pumping jacks—Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
HANDY quick-opening & quick-closing valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
HANDY riveting machines—A. C. Williams Co., Ravenna, Ohio
HANDY rope cleats—Parker Wire Goods Co., Worcester, Mass.
HANDY saw sets—Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.

HANDY screen door pulls—Hunt, Helm, Ferris & Co., Harvard, Ill.
HANDY screw driver bits—West Haven Mfg. Co., West Haven, Conn.
HANDY screw drivers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
HANDY screw drivers—Turner & Deegan, Bristol, Conn.
HANDY shaft couplers—Fernald Mfg. Co., North End, Pa.
HANDY slitting shears—W. A. Wheeler, Indianapolis, Ind.
HANDY soldering sets—W. L. Barrett, Bristol, Conn.
HANDY steam traps—E. M. Nichols, 212 W. Washington sq, Phila., Pa.
HANDY steel derricks—Boss Pulling Machine Co., Vanburen, Ind.
HANDY step ladders—Handy Ladder Works, Cleveland, Ohio
HANDY step ladders—R. W. Whitehurst Mfg. Corp., Norfolk, Va.
HANDY stock fountains—Novelty Iron Works, Sterling, Ill.
HANDY stock & dies & pipe vises—Handy Mfg. Co., Bridgeport, Conn.
HANDY stove lid lifters—I. C. Imboden Mfg. Co., Cleona, Pa.
HANDY telescope cot bed—Telescope Cot Bed Co., 535 E. 79th, New York
HANDY tin oil pumps—R. E. Chapin Mfg. Works, Batavia, N. Y.
HANDY tire air pumps—Cox Brass Mfg. Co., Albany, N. Y.
HANDY tire bolter wrenches—W. F. Custer & Son, Summitville, Ind.
HANDY wooden kegs—Union Cooperage Co., 2nd & Penrose, St. Louis, Mo.
HANDY ANDY shovels, spades & scoops—Owensboro Shovel & Tool Co., Owensboro, Ky.
HANDY BAR belt dressing—Crescent Belt Fastener Co., 381 4th av, New York
HANDY BILLY marine, ship & deck pumps—F. E. Myers & Bros., 900 Fourth, Ashland, O.
HANDY ROLL toilet paper holders—S. J. Bens Mfg. Corp., Herkimer, N. Y.
HANDY SACK BALER bag baling machines—T. G. White, Cedar Rapids, Iowa
HANG-UP wall hooks—Hampden Mfg. Co., 108 Fulton, New Lork
HANIEL & LUEG hydraulic presses—Mesta Machine Co., Pittsburgh, Pa.
HANKE stairway fire escapes—Hanke Iron & Wire Works, 800 N. Albany av, Chicago, Ill.
HANNA pipe hangers—Penna. Engineering Co., 1119 N. Howard, Phila., Pa.
HANNA pneumatic yoke riveters—Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
HANNA sand mixing machines, foundry riddles, pneumatic tools & radial reamers—Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
HANNA tire air pumps—Troy Auto Specialty Co., Troy, N. Y.
HANNIBAL gasoline lighting systems—Hannibal Gas Machine & Mfg. Co., Hannibal, Mo.
HANNIFIN countershafts, expanding mandrels, self opening dies—Hannifin Mfg. Co., 621 S. Kolmar av, Chicago, Ill.
HANNON plasterers' steel beads—Union Metal Corner Co., 18 Heath, Boston, Mass.
HANSA linoleum—C. H. Weber, 45 E. 17th, New York
HANSEN & HAYNES rotary dumps—Link-Belt Co., 329 W. 39th, Chicago, Ill.
HANSEN'S danish butter colors—D. H. Burrell & Co., Little Falls, N. Y.
HANSOM inverted gasoline lamps—American Gas Machine Co., Albert Lea, Minn.
HANSON combination pipe vises—Stowell Co., S. Milwaukee, Wis.
HANSON gas machines & street lamps—American Gas Machine Co., Albert Lea, Minn.
HANSON lock deck plates—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
HANSON reinforcing bar benders—A. P. Hanson & Son, 1911 Emerson av, Chicago, Ill.
HANSON'S steel wool & shavings—F. C. Hanson, Southbridge, Mass.
HAPPIDOG muzzlers—Walter B. Stevens & Son, 114 Chambers, New York
HAPPY electric sad irons—Detroit Electric Heater Co., Detroit, Mich.
HAPPY DAY washing machines—National Sewing Machine Co., Belvidere, Ill.
HAPPY THOUGHT stoves—Pittston Stove Co., Pittston, Pa.
HARDERNELL wall plaster—Plymouth Gypsum Co., Fort Dodge, Ia.
HARDIE gasoline engines—Hardie Mfg. Co., Hudson, Mich.
HARDINGE stone pulverizers—Hardinge Conical Mill Co., 120 Broadway, New York
HARDING'S card feed rolls—R. H. Hood Co., 1842 Gtn. av, Phila., Pa.
HARDING'S comb circles & fallers—Leigh & Butler, 232 Summer, Boston, Mass.
HARDISON chain tongs—Union Tool Co., Torrance, Cal.
HARDSOCG pneumatic rock drills—Hardsocg Wonder Drill Co., Ottumwa, Ia.
HARDTEM forged die blocks—Heppenstall Forge & Knife Co., 47th & Hatfield, Pittsburgh, Pa.
HARDWEAR rubber hose—Belting Corp,, 84 Linden Park, Boston, Mass.
HARDWOOD automobile lighting & battery switches—Frank W. Morse, 289 Congress, Boston, Mass.
HARDY & PINDER screen plates—Wm. A. Hardy & Sons Co., Fitchburg, Mass.
HARGRAVE clamps, saw vises, screw drivers, drills, rod cutters, bench stops—Cincinnati Tool Co., Norwood, Cincinnati, Ohio
HARJER fly traps—Reynolds Wire Co., Dixon, Ill.
HARLAND varnishes—Wm. Harland & Sons, Buffalo, N. Y.
HARLEM packing—Revere Rubber Co., Chelsea, Mass.
HAR MAC rural mail boxes—Harper & McIntire Co., Ottumwa, Ia.
HARMER BOY sulky plows—J. I. Case Plow Wks., Racine, Wis.
HARMLESS pin tickets—Noesting Pin Ticket Co., Mt. Vernon, N. Y.
HARMON diaphragm screens—C. A. Harmon & Son, Watertown, N. Y.
HARMON lumber trimmers—Diamond Iron Works, Minneapolis, Minn.
HARMONY snap fastener—Federal Snap Fastener Corp., 27 W. 37th, New York
HARPER fly traps—Wickwire Spencer Steel Corp., Worcester, Mass.
HARPER metallic packing—Harper Mfg. Co., Chester, Pa
HARPER sad irons—Chicago Hardware Foundry Co., 546 W. Washington, N. Chicago, Ill.
HARPER savings banks—Sager Lock Co., North Chicago, Ill.
HARPER HANDY stove trucks & casters—Chicago Hardware Foundry Co., 546 W. Washington, N. Chicago, Ill.
HARPOON guy anchors—Crouse-Hinds Co., Syracuse, N. Y.
HARRIMAC fish landing nets & gaff hooks—General Phonograph Corp., 25 W. 45th, New York
HARRINGTON coffee percolators—O. W. Burritt & Bro., Weedsport, N. Y.
HARRINGTON mechanical stokers—Green Engineering Co., East Chicago, Ind.
HARRIS coil heaters—Arthur Harris & Co., 212 N. Curtis, Chicago, Ill.
HARRIS garbage & toilet incinerators & steam generators—Harris Municipal Garbage Incinerator & Steam Generator, Nashville, Tenn.
HARRIS gasoline engines—Harris Engine Co., Front & Orange, Wilmington, Del.
HARRIS grapple forks—Milwaukee Hay Tool Co., Milwaukee, Wis.
HARRIS grapple forks—J. E. Porter Co. Ottawa, Ill.
HARRIS harpoon forks—F. E. Myers & Bro., Ashland, Ohio
HARRIS hay forks—G. A. Swineford Co., Canton, Ohio
HARRIS incandescent gas mantles—Harris Wood Fibre Mantle Co., 1569 Columbus rd. N. W., Cleveland, Ohio
HARRIS lubricating oils & greases—A. W Harris Oil Co., 326 S. Water, Providence, R. I
HARRIS mine car hitchings—Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa
HARRIS railroad track laying machines Geo. F. H. Hicks, 455 Lafayette, Chicago, Ill.
HARRIS sash operating devices, skylight ventilating & ventilating apparatus—Payson Mfg. Co., 2918 W Jackson blvd., Chicago, Ill.
HARRIS self-wringing mops—Imperial Mfg. Co., Cambridge, Ohio
HARRIS smokeless furnaces—Harris Smokeless Furnace Co., Nashville, Tenn.
HARRIS thumb nuts & thumb screws & lathe dogs—Samuel Harris & Co., 114 N. Clinton, Chicago, Ill.
HARRISON corn & cob mills—Nordyke & Marmon Co., Kentucky av and Morris, Indianapolis, Ind.
HARRISON draughting tables—H. Cole Co., 68 E. Gay, Columbus, Ohio

HARRISON M. I. P. key cutting machines—Harrison & Co., 81 New, New York
HARRISON paint & varnish remover—E. I. Du Pont de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
HARRIS-SCOUREE metal polish—A. W. Harris Oil Co., 326 S. Water, Providence, R. I.
HARROUN automobile bumpers—Turner Brass Works, Sycamore, Ill.
HARRY'S cyclone cellars, oil storage tanks & portable houses—Harry Bros. Co., Carr & I. C. R. R., New Orleans, La.
HART convertible ballast freight & gondola cars—Rodger Ballast Car Co., Railway Exchange bldg., Chicago, Ill.
HART emery & corundum wheels—Detroit Grinding Wheel Co., Jefferson & Field, Detroit, Mich.
HART hollow cap screws—H. C. Hart Mfg. Co., Unionville, Conn.
HART lubricators—Sherwood Mfg. Co., 1710 Elmwood av, Buffalo, N. Y.
HART packing—Hart Packing Co., 144 High, Boston, Mass.
HART padlock locks—U. S. Lock & Hardware Co., Columbia, Pa.
HART portable grain elevators, loaders & weighers—Hart Grain Weigher Co., Peoria, Ill.
HART sash holders—Hart Sash Holder Co., Lexington, Mo.
HART smut treaters—Fosston-Carpenter Co., St. Paul, Minn.
HART snap switches—Hart & Hegeman Mfg. Co., Hartford, Conn.
HART JUNIOR grain weighers & loaders—Hart Grain Weigher Co., Peoria, Ill.
HART NEW MODEL self-feeder—Hart Grain Weigher Co., Peoria, Ill.
HARTFORD ball cocks—Burlington Brass Works, Burlington, Wis.
HARTFORD cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
HARTFORD die & bench filing machines—Robinson Tool Works, Inc., Waterbury, Conn.
HARTFORD feed water heaters—Pratt & Cady Co., Inc., Hartford, Conn.
HARTFORD fire hose racks—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
HARTFORD lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
HARTFORD marine engines—Gray & Prior Machine Co., Hartford, Conn.
HARTFORD printing presses, embossing presses, surface grinders—National Machine Co., Hartford, Conn.
HARTFORD side weight horseshoes—Side Weight Horse Shoe Co., Mechanic, Hartford, Conn.
HARTFORD time switches—Hartford Time Switch Co., 71 Murray, New York
HARTHAN propeller wheels—McFarland Foundry & Machine Co., Trenton, N. J.
HARTLEY & KENYON surgical instruments—Pederson Lubricator Co., 644 First av, New York
HARTMAN center plates—Joliet Railway Supply Co., 4052 Princeton av, Chicago, Ill.
HARTMAN iron fences—Pettler Steel Mat & Mfg. Co., Beaver Falls, Pa.
HARTNESS automatic dies—Jones & Lamson Machine Co., Springfield, Vt.
HART-PARR tractors—Hart-Parr Co., Charles City, Ia.
HART'S trunk hinges—Stanley Works, New Britain, Conn.
HART SHAPE waffle irons—Andresen Hardware Co., Minneapolis, Minn.
HARTWICK concrete mixers—Hall-Holmes Mfg. Co., Jackson, Mich.
HARTWIG metallic shades—P.-R. Mfg. Co., Detroit, Mich.
HARVARD barn door latches & rails & hay carriers & tank heaters—Hunt, Helm, Ferris & Co., Harvard, Ill.
HARVARD blackboard surfacing material—Devoe & Raynolds Co., 101 Fulton, New York
HARVARD coal meters—O. D. Harvard Co., Scranton, Pa.
HARVARD spray pumps—Rumsey Pump Co., Box J, Seneca Falls, N. Y.
HARVESTER suction hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
HARVEY carbon removers—Harvey Chemical Co., Lafayette, Ind.
HARVEY equalizers—Harvey Spring & Forging Co., Racine, Wis.
HARVEY friction draft springs—Detroit Steel Products Co., 2250 E. Grand blvd., Detroit, Mich.
HARVEY friction draft springs—Frost Railway Supply Co., Penobscot bldg., Detroit, Mich.
HARVEY GRIP track bolts—Kansas City Bolt & Nut Co., Kansas City, Mo.
HARVEST KING grindstones—Cleveland Stone Co., 1836 Euclid av, Cleveland, Ohio
HASCO BRAND blocks, die, door stops, hickory handles, file & chisel handles—H. A. Stiles & Co., 93-97 Oliver, Boston, Mass.
HASKINS flexible shafts—R. G. Haskins, 27 S. Desplaines, Chicago, Ill.
HASKINS foundry chaplets—Hill & Griffith Co., 1262 State av, Cincinnati, Ohio
HASKINS mill gears—A. Garrison Foundry Co., 901 Bingham, Pittsburgh, Pa.
HASLUP barrows—Sidney Steel Scraper Co., Sidney, Ohio
HASTINGS step ladders—Bent Rung Ladder & Mfg. Co., Indiana, Pa.
HATCH metallic packing—E. W. Hatch, 14 L, Boston, Mass.
HATCHING WONDER incubators & brooders—Geo. Ertel Co., Quincy, Ill.
HATFIELD rail joints—Hatfield Rail Joint Mfg. Co., Macon, Ga.
HAUCK sulky hay rakes—Geo. S. Comstock & Son, Mechanicsburg, Pa.
HAVANA gas engines—Havana Mfg. Co., Havana, Ill.
HAVEMEYER concrete reinforcing bars & inserts—Concrete Steel Co., 42 B'way, New York
HAVEN floor scrapers—Haven Mfg. Co., Racine, Wis.
HAVEN'S comealongs—Mathias Klein & Sons., 3200 Belmont av, Chicago, Ill.
HAVEN'S linemen's splicing clamps—Smith & Hemenway Co., 261H Broadway, New York; 130H Coit, Irvington, N. J.
HAVEN'S linemen's splicing clamps—Columbus Handle & Tool Co., Columbus, Ind.
HAVOLINE automobile oils—Indian Refining Co., 244 Madison av, New York
HAWK hickory handles—Hartwell Handle Co., Harvey, Ill.
HAWK oil cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
HAWK tool steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
HAWK ALLOY striking die steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
HAWK H. tool steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
HAWK HEADER DIE tool steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
HAWK SILVERWARE, striking die steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
HAWK SPECIAL tool steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
HAWK VANADIUM tool steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
HAWKEYE cement—Hawkeye Portland Cement Co., Des Moines, Ia.
HAWKEYE grain cleaning & grading machinery, ratchet wrenches & self-feeders & band cutters for threshers, stock fountains—Maytag Co., Newton, Ia.
HAWKEYE incandescent lamp sockets—Electric Supply Co., Sioux City, Ia.
HAWKEYE lawn trimmers—Osmundson Spade Mfg. Co., Perry, Ia.
HAWKEYE pipe & engineers' wrenches—Hawkeye Wrench Co., Marshalltown, Ia.
HAWKEYE refrigerator baskets—Burlington Basket Co., Burlington, Ia.
HAWKEYE stump pullers—Milne Mfg. Co., Monmouth, Ill.
HAWKS range boiler stands—Hugo Mfg. Co., Duluth, Minn.
HAWLEY carpenters' clamps—J. W. Paxson Co., 1021 N. Delaware av, Phila., Pa.
HAWLEY-SCHWARTZ brass & metal melting furnaces—Hawley Down Draft Furnace Co., Easton, Pa.
HAWTHORNE electric bells—Western Electric Co., 463 West, New York
HAXTUN steam & hot water heaters—Kewanee Boiler Co., Kewanee, Ill.
HAYDEN brass wrenches—Belden Machine Co., New Haven, Conn.
HAYDEN concrete building block machinery—Hayden Automatic Block Machine Co., Columbus, Ohio
HAYDEN pipe wrenches—Belden Machine Co., New Haven, Conn.
HAYDEN pipe wrenches—Haydenville Co., Haydenville, Mass.
HAYDENVILLE shower bath valves—Haydenville Co., Haydenville, Mass.
HAYES auger handles—Bonney Vise & Tool Works, Allentown, Pa.
HAYES car derailers—Hayes Track Appliance Co., Richmond, Ind.

HAYES cultivators, riding & walking listers, sanitary drinking fountains—Hayes Pump & Planter Co., Galva, Ill.
HAYES locomotive water strainers—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
HAY KING horse presses—New Winona Mfg. Co., Winona, Minn.
HAYMAKER unloaders—F. E. Myers & Bro., Ashland, Ohio
HAYS DAYTON hay rakes—Ohio Rake Co., Dayton, Ohio
HAYS gas analysis apparatus—Jos. W. Hays Corp., Michigan City, Ind.
HAYS IMPROVED gas analysis apparatus—G. L. Simonds & Co., 230 S. La Salle, Chicago, Ill.
HAYWARD life saving nets—S. F. Hayward & Co., 250 W. 54th, New York
HAYWARD tank heaters—Butler Co., Butler, Ind.
HAZARD KENTUCKY RIFLE powder—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
HAZEN harrows & pulverizers—W. S. Hazen, Ripon, Wis.
HEADLIGHT arc light carbons—National Carbon Co., Madison av N. W. & N. 117th, Cleveland, Ohio
HEADLIGHT rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
HEALD magnetic chucks—Heald Machine Co., Worcester, Mass.
HEALD'S gear link drive chains—Union Malleable Iron Co., East Moline, Ill.
HEART belting—Graton & Knight Mfg. Co., Worcester, Mass.
HEART BEAT rock drill lubricators—Ingersoll-Rand Co., 11 Broadway, New York
HEARTLEY HOLD FAST ground mole traps—Heartley Machine, Variety Iron & Tool Works, 900 Summit, Toledo, Ohio
HEATH carriage hubs—Shortsville Wheel Co., Shortsville, N. Y.
HEATHER oil & grease cups—Wm. Powell Co., Cincinnati, Ohio
HEATON button fasteners—Heaton Peninsular Button Fastener Co., 65 Shirley, Boston, Mass.
HEATON latch needles—Continental Latch Needle Co., 120 Liberty, New York
HEAVY A. wedge top shoe lasts & stands—Fate-Root-Heath Co., Plymouth, Ohio
HEAVY DUTY bench drilling machines—Chas. Stecher Co., 1580 Crossing, Chicago, Ill.
HEBERT piston rings—Hebert Mfg. Co., Franklin, N. H.
HECLA lavatories & fittings—James Barrett Mfg. Co., 117 Pearl, Boston, Mass.
HECLA oil pump lubricators—J. E. Lonergan Co., 211 Race, Phila., Pa.
HECLA packing—General Asbestos & Rubber Co., Charleston, S. C.
HECLABRONZE packing mfrs.—General Asbestos & Rubber Co., Charleston, S. C.
HECO spark plugs—Heinze Electric Co., Lowell, Mass.
HECTOR long fulcrum pumps—W. & B. Douglas, Middletown, Conn.
HECTOR rubber hose—Republic Rubber Co., Youngstown, Ohio
HEEBNER'S union fodder cutters—Heebner & Sons, Lansdale, Pa.
HEER gasoline traction engines—Heer Engine Co., Portsmouth, Ohio
HEEREN badges—International Register Co., 15 Throop, Chicago, Ill.
HEESEN farm boilers—Heesen Bros. Co., Tecumseh, Mich.
HEFT oil & gasoline pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
HEICHSTADTER'S boiler compounds—Gallaway, G. W., 322 Pearl, New York
HEIDER tractors—Rock Island Plow Co., Rock Island, Ill.
HEILAND plumbing specialties—Garrison Brass & Machine Works, 107 W. 13th, New York
HEIM street sprinkling valves—B. Hoffman Mfg. Co., Milwaukee, Wis.
HEINE water tube expanders—Gustav Wiedeke & Co., Dayton, Ohio
HEINTZ steam traps—Wm. S. Haines & Co., 12th & Buttonwood, Phila., Pa.
HEINZE spark plugs—Heinze Electric Co., Lowell, Mass.
HEINZ-SKINNER acid fans—Stearns-Roger Mfg. Co., Denver, Colo.
HEIZMANN night latches—Penn Hardware Co., Reading, Pa.
HELDERBERG cement—Helderberg Cement Co., Albany, N. Y.
HELEN blast furnaces—Red River Iron Works, Clarksville, Tenn.
HELE-SHAW automobile clutches—Merchant & Evans Co., Washington av & 21st, Phila., Pa.
HELICAL bed springs—Wickwire Spencer Steel Corp., Worcester, Mass.
HELICORD packing—General Asbestos & Rubber Co., Charleston, S. C.
HELIOS packing—Crandall Packing Co., Palmyra, N. Y.
HELLER feed cutters—Heller-Aller Co., Napoleon, Ohio
HELLER'S alloy tool steel—Heller Bros. Co., 879 Mt. Prospect av, Newark, N. J.
HELLO dry batteries—Stackpole Carbon Co., St. Marys, Pa.
HELM stock fountains—S. D. Helm Mfg. Co., Crawfordsville, Ind.
HELMET babbitt metal, journal bearings, abrasive discs, oil & grease cup lubricators, pipe taps & drills—Chas. H. Besly & Co., 120 N. Clinton, Chicago, Ill.
HELMET belting & rubber hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
HELMET window reflectors—Curtis-Leger Fixture Co., 235 W. Jackson blvd., Chicago, Ill.
HELN brick & block machines—Heln Brick Machine Co., Cadillac, Mich.
HELN dry batteries—Henry Wilhelm, 70 Frost, Brooklyn, N. Y.
HELOIS STINE sheet packing—Crandall Packing Co., Palmyra, N. Y.
HELPING HAND vegetable tongs—Hamblin & Russell Mfg. Co., Worcester, Mass.
HELPMATE milk bottle caps—Spahr Mfg. Co., 1423 Vine, Phila., Pa.
HELVETIA leather—G. Groezinger's Sons, Lancaster, Pa.
HELWIG pneumatic tools—Helwig Mfg. Co., St. Paul, Minn.
HEMEKE canvas stitched belting—Manheim Mfg. & Belting Co., Manheim, Pa.
HEMLOCK heating stove—B. C. Bibb Stove Co., 109 Light, Baltnmore, Md.
HEMM'S hay rack fixtures—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
HEMOFAM electric sign flashers—S. H. Hoggson & Co., 27 Thames, New York
HEMP fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
HEMPEL gas analysis apparatus—Eimer & Amend, 205 3rd av, New York
HEMPEL'S gas analaysis apparatus—Emil Greiner Co., 55 Fulton, New York
HEMPHILL knitting machines—Acme Knitting Machine & Needle Co., Franklin, N. H.
HENDERSHOT compression couplings—Valley Iron Works, Williamsport, Pa.
HENDERSON car signs—U. S. Electric Signal Co., West Newton, Mass.
HENDERSON roof brackets—A. P. Henderson, Assinippi, Mass.
HENDEY shaper centers, lathes, milling machines, turret attachments; vises—Hendey Machine Co., Torrington, Conn.
HENDRICK ice & refrigerating machines—Carbondale Machine Co., Carbondale, Pa.
HENDRYX mining agitators, cyanide plants—Hendryx Cyanide Machinery Co., 136 Liberty, New York
HENDRYX picture wire cords—Andrew B. Hendryx Co., New Haven, Conn.
HENGGI rail anchors & rail anti-creepers—P. & M. Co., 80 E. Jackson blvd., Chicago, Ill.
HENIS fruit presses—Silver & Co., 304 Hewes, Brooklyn, N. Y.
HENNEN'S calking putty—Weatherproof Calking Co., Minneapolis, Minn.
HENNEY spring wagons—Moline Plow Co., Moline, Ill.
HENNINGS steam & hot water heaters—Columbia Heater Co., Paterson, N. J.
HENRICI extractors—Lovewell-Henrici Co., Chelsea, Mass.
HENRY flue & tube cleaners—Steam Appliance Co., Milwaukee, Wis.
HENRY grease cups—Henry Mfg. & Grease Cup Co., Terre Haute, Ind.
HENRY mining screens—Webb City & Cartersville Foundry & Machine Works, Webb City, Mo.
HENRY CLAY pig iron—Empire Steel & Iron Co., Catasauqua, Pa.
HENZEL fishing hooks—J. G. Henzel, 1313 S. Fairfield av, Chicago, Ill.
HERBERT file testing & indicating machines—Olsen Tinius Testing Machine Co., 500 N. 12th, Phila., Pa.
HERBERT horse pokes—Lansing Co., Lansing, Mich.

HERBERT steam & hot water heaters—Herbert Boiler Co., 140 Root, Chicago, Ill.
HERBICIDE weed killer—Reade Mfg. Co., Hoboken, N. J.
HERCULEAN signal lamps—Dressel Railway Lamp Works, 3868 Park av, New York
HERCULES attrition mills—Barnard & Leas Mfg. Co., Moline, Ill.
HERCULES auto creepers, coaster wagons, flexible steel belt conveyors, tool racks, steel mats—La Porte Mat. & Mfg. Co., La Porte, Ind.
HERCULES automobile tire holders—Western Brass Mfg. Works, 2007 Marshall blvd, Chicago, Ill.
HERCULES bale ties—Baling Tie Buckle Co., Waterloo rd, Cleveland, Ohio.
HERCULES barn door rails—F. E. Myers & Bro., 800 Orange, Ashland, Ohio
HERCULES bed springs & motor hods—Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, Ohio
HERCULES belt lacing—Hercules Mfg. Co., 2138 W. Van Buren, Chicago, Ill.
HERCULES belt lacing—Page Belting Co., Concord, N. H.
HERCULES belting, hose, rubber matting, packing, tubing—Quaker City Rubber Co., 629 Market, Phila., Pa.
HERCULES blasting powder, dynamite, blasting machines & supplies—Hercules Powder Co., Wilmington, Del.
HERCULES can openers—Bradley & Farnham, Middlefield, Conn.
HERCULES can openers—Ellis Mfg. Co., Milldale, Conn.
HERCULES car bumping posts—John M. Scott & Sons, Racine, Wis.
HERCULES car jacks—J. G. Brill Co., 62nd & Woodland av, Phila., Pa.
HERCULES car movers—Marseilles Wks. of Deere & Co., East Moline, Ill.
HERCULES casters—O. P. Schriver & Co., 621 E. Pearl, Cincinnati, Ohio
HERCULES chain—Columbus McKinnon Chain Co., Columbus, Ohio
HERCULES children's vehicles—Kirk-Latty Mfg. Co., 1971 W. 85th, Cleveland, Ohio
HERCULES chilled mine car wheels—Duncan Foundry & Machine Works, Alton, Ill.
HERCULES closet seats—Becker Mfg. Co., Marietta, Ohio
HERCULES concrete building block & cement bag cleaning machinery—Century Cement Machine Co., Rochester, N. Y.
HERCULES copper floats & air chambers—Hercules Float Works, 200 Franklin, Springfield, Mass.
HERCULES corn & cob mills—Wolf & Co., Chambersburg, Pa.
HERCULES door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
HERCULES dry batteries—National Carbon Co., Madison av W. N. & W. 117th, Cleveland, Ohio
HERCULES end cutting nippers & screw drivers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
HERCULES extension scaffold ladders — Samuel Cupples Woodenware Co., 7th & Spruce, St. Louis, Mo.
HERCULES fence pliers—L. A. Sayre & Co., 332 Mulberry, Newark, N. J.
HERCULES fence posts—F. P. Smith Wire & Iron Wks., 2340-48 Clybourn av, Chicago, Ill.
HERCULES fire proof columns—Pfaff & Kendall, 655 Ferry, Newark, N. J.
HERCULES friction clutch pulleys—Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.
HERCULES furnace cements—Cambria Paint & Color Co., Johnstown, Pa.
HERCULES hay carriers—Goshen Mfg. Co., Goshen, Ind.
HERCULES hay presses—J. A. Spencer, Dwight, Ill.
HERCULES insulating paper—Standard Paint Co., 233 Broadway, New York
HERCULES iron bar & rod cutters, wire cutters, bar & plate shears—W. B. & C. F. Tucker, 516 Asylum, Hartford, Conn.
HERCULES lubricators—Lunkenheimer Co., Beckman & Waverly, Cincinnati, Ohio
HERCULES mangles—American-Norwood Laundry Machinery Co., 6th & Baymiller, Cincinnati, Ohio
HERCULES metal punches—Chas. Morrill, 100 Lafayette, New York
HERCULES packing—Vulcan Asbestos Mfg. Co., 95 Broad, New York
HERCULES packing & hose—Empire Tire & Rubber Corp, Trenton, N. J.
HERCULES plows—Munnsville Plow Co., Munnsville, N. Y.
HERCULES post hole diggers—Eureka Digger Co., 227 W. Huron, Chicago, Ill.
HERCULES post hole diggers—F. E. Kohler Co., Canton, Ohio
HERCULES post hole diggers—Seymour Mfg. Co., Seymour, Ind.
HERCULES rock crushers—Joshua Hendy Iron Works, 75 Fremont, San Francisco, Cal.
HERCULES roving cans—Jas. Hill Mfg. Co., 52 Westfield, Providence, R. I.
HERCULES rule cutter—J. F. Helmold & Bros., 1462 Hamburg, Chicago, Ill.
HERCULES sample cases—Fibre Specialty Mfg. Co., Kennett Square, Pa.
HERCULES shoe lasts & stands—Fate-Root-Heath Co., Plymouth, Ohio
HERCULES solid weld chains—Columbus McKinnon Chain Co., Columbus, Ohio
HERCULES spark plugs—Eclipse Mfg. Co., Indianapolis, Ind.
HERCULES steel piles—Underpinning & Foundation Co., 290 Broadway, New York
HERCULES steel shipping barrels—Metal Barrel Co., Galesburg, Ill.
HERCULES step ladders—Geo. S. Fox, 139 N. 6th, Phila., Pa.
HERCULES strain insulators—Electric Railway Equipment Co., Cincinnati, Ohio
HERCULES stump pullers—Hercules Mfg. Co., Centerville, Ia.
HERCULES tire setters & wheelbox presses—Lourie Mfg. Co., Springfield, Ill.
HERCULES trucks—Illinois Iron & Bolt Co., Carpentersville, Ill.
HERCULES tug hooks—North & Judd Mfg. Co., New Britain, Conn.
HERCULES turbine water wheels—Holyoke Machine Co., Worcester, Mass.
HERCULES 2 IN 1 belt dressing—Hercules Mfg. Co., 2138 W. Van Buren, Chicago, Ill.
HERCULES vises—Bonney Vise & Tool Works, Allentown, Pa.
HERCULES water motors—Jno. W. Russell & Sons Co., Springfield, Mass.
HERCULES waterproofing materials—Hercules Waterproof Cement Co., Buffalo, N. Y.
HERCULES wire rope & cables—A. Leschen & Sons Rope Co., 920 N. 1st, St. Louis, Mo.
HERCULES wire stapling machinery—A. Allen & Co., 200 Carpenter, Phila., Pa.
HERCULES NO. 300—Smokeless Rifle Powder Co., Wilmington, Del.
HERCULES EXTRA L. F. dynamite—Hercules Powder Co., Wilmington, Del.
HERCULES GELATIN L. F. dynamite—Hercules Powder Co., Wilmington, Del.
HERCULES L. F. dynamite—Hercules Powder Co., Wilmington, Del.
HERCULES NUEVO steam engines & tubular boilers—Mason, Marcus & Co., Inc., 201 Devonshire, Boston, Mass.
HERCULES RED LABEL blasting batteries—National Carbon Co., Madison av N. W. & W 117th, Cleveland, Ohio
HERKEN friction clutch pulleys—Minster Machine Co., Minster, Ohio
HER-K-ULES grab hooks—J. D. Street & Co., 41st & Pk., St. Louis, Mo.
HERMAN foundry molding machines—Herman Pneumatic Machine Co., Zelienople, Pa.
HERMANSIN heat treating furnaces—Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
HERMASTIC paints—American Bitumastic Enamels Co., 17 Battery pl, New York
HERMETIC hot air furnaces—Lennox Furnace Co., Marshalltown, Ia.
HERM-I-SEAL roofing paints—Federal Process Co., Cleveland, Ohio
HERMITAGE ranges & stoves—Gray & Dudley Hdwe. Co., Nashville, Tenn.
HERO combination pliers & nippers, gas pliers—Syracuse Twist Drill Co., Borden av, Syracuse, N. Y.
HERO corn cleaners, grain graders—Twin City Separator Co., Minneapolis, Minn.
HERO corn shellers—Mountville Mfg. Co., Mountville, Pa.
HERO door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
HERO drag sawing machines & feed grinding mills—Appleton Mfg. Co., Batavia, Ill.
HERO kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
HERO lawn sprinklers, engine & machine oilers, aluminum drinking cups—Hero Mfg. Co., Westmoreland av. & Stokley, Phila., Pa.
HERO rubber hose—Empire Tire & Rubber Corp., Trenton, N. J.
HERO waterproof belting—W. S. Nott Co., 2nd av N. & 3rd, Minneapolis, Minn.

HERON tips—Heron Mfg. Co., Utica, N. Y.
HERRESHOFF roasting furnaces—General Chemical Co., 25 B'way, New York
HERRESHOFF smelting furnaces—Nichols Copper Co., 25 Broad, New York
HERRICK grate bar—Geo. S. Herrick, Syracuse, N. Y.
HERRINGBONE expanded metal lath—General Fireproofing Co., Youngstown, Ohio
HERRINGBONE galvanized wall ties—Merwin Mfg. Co., Erie, Pa.
HERSCHEL lawn mowers & sickel grinders—R. Herschel Mfg. Co., Peoria, Ill.
HERSHLER faultless ball cocks—Schild Specialty Co., 111 High, Cleveland, Ohio
HERZ magneto igniters—Herz & Co., 245 W. 55th, New York
HESS hot air furnaces, metallic lockers—Hess Warming & Ventilating Co., 1211 S. Western av, Chicago, Ill.
HESS iron flumes—Hardesty Mfg. Co., Denver, Colo.
HESS water closets—Chas. Hess Co., 96 Wall, New York
HESS-BRIGHT combined radial & thrust bearings—Hess-Bright Mfg. Co., Front & Erie av, Phila., Pa.
HESSION kerosene farm tillers—Hession Tiller & Tractor Corp., Buffalo, N. Y.
HESSLER rural mail boxes—H. E. Hessler Co., Syracuse, N. Y.
HESTON blow-off valves—Kennedy-Stroh Corp'n, Pittsburgh, Pa.
HETTRICK'S belting—Hettrick Mfg. Co., Toledo, Ohio
HEUGHES joist hangers & post caps—F. L. Heughes & Co., Rochester, N. Y.
HEVEA sheet packing—W. H. Salisbury & Co., 308 N. Madison, Chicago, Ill.
HEWITT hose & packing—Hewitt Rubber Co., Buffalo, N. Y.
HEWITT MAGNUS heavy weight air drill hose—Hewitt Rubber Co., Buffalo, N. Y.
HEWITT motor fire engines—International Motor Co., 262 W. 64th, New York
HEWLETT core making machines—Wm. Demmler & Bros., Kewanee, Ill.
HEX adjustable wrenches—Walworth Mfg. Co., 798 1st, Boston, Mass.
HEX padlock locks—U. S. Lock & Hardware Co., Columbia, Pa.
HEXAGON analytical scales, electric heaters & ovens—Schaar & Co., 1025 S. State, Chicago, Ill.
HEXAGON pipe joint compounds—Chester Graphite Co., Chester Springs, Pa.
HEXAGON post hole diggers—Eureka Digger Co., 227 W. Huron, Chicago, Ill.
HI-ART sheet steel ceilings—W. F. Norman Sheet Metal Mfg. Co., Nevada, Mo.
HIAWATHA guy anchors—Hallett Iron Works, Harvey, Ill.
HIBBS assayers' furnaces—J. & H. Berge, 95 John, New York
HIB-SPE-BAR washing machines, tool handles, etc.—Hibbard Spencer Bartlett & Co., 303 N. State, Chicago, Ill.
HI-CARBON case hardening compounds—Bell & Gossett, 609 W 30th, Chicago, Ill.
HICK rip saw machines—Woods Engineering Co., Alliance, Ohio
HICKORY children's vehicles—Martin & Heagy Mfg. Co., Elizabethtown, Pa.
HICKORY equalizers—Fort Smith Rim & Bow Co., Ft. Smith, Ark.
HICKORY farm wagons—Hackney Wagon Co., Wilson, N. C.
HICKORY NUT carriage wheels—Crane & MacMahon, 10 Bridge, New York
HICKS belt fasteners—E. Jencks Mfg. Co., Worcester, Mass.
HI-COMP piston rings—Continental Piston Ring Co., Memphis, Tenn.
HIDE roll feed cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
HIGBIE oat cleaners—F. P. Smith Wire & Iron Work, 2340-48 Clybourn av, Chicago, Ill.
HIGGIN steel anti-rattlers—Bauer Bros. Mfg. Co., Richmond & Carr, Cincinnati, Ohio
HIGGINS flue stops—Andrews Wire & Iron Works, Rockford, Ill.
HIGGINS picks—John C. Higgins, 812 W Kinzie, Chicago, Ill.
HIGGINSON white cements & prepared mortar—Higginson Mfg. Co., Newburgh, N. Y.
HIGH GRADE electric motor & dynamos—Eck Dynamo & Motor Co., Belleville, N. J.
HIGH GRADE green soap—Columbus Chemical Co., 3725 Langley av, Chicago, Ill.
HIGH GRADE leather packing—Michigan Leather Packing Co., 110 Antoine, Detroit, Mich.
HIGH GRIP animal traps—Triumph Trap Co., Inc., Oneida, N. Y.
HIGHLAND cast iron pipe coatings—Highland Chemical Products Co., Connellsville, Pa.
HIGHLAND lawn mowers—Worcester Lawn Mower Co., Worcester, Mass.
HIGH LIFT feed carriers—Louden Machinery Co., Fairfield, Ia.
HIGH LOW JACK screws—West Haven Mfg. Co., West Haven, Conn.
HIGH PRESSURE brazing compound—National Rubber & Specialties Co., Cincinnati, Ohio
HIGH SHINE metal polish—Rath Mfg. Co., Headley & Richmond, Phila., Pa.
HIGH SPEED belting—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
HIGH SPEED change carriers—McGill Metal Products Co., 1640 Walnut, Chicago, Ill.
HIGH SPEED lawn mowers—Dille & McGuire Co., Richmond, Ind.
HIGH SPEED rivet spinning machines—Chas. Stecher Co., 1580 Crossing, Chicago, Ill.
HIGH TEST rubber hose—Empire Tire & Rubber Corp., Trenton, N. J.
HIGHTON hot air registers—Wm. Highton & Sons Co., Nashua, N. H.
HIGRADE rubber bottles—Tyer Rubber Co., Andover, Mass.
HIGRADE steam & hot water heaters—Thatcher Furnace Co., 135 W. 35th
HI-HEAT packing—Revere Rubber Co., Chelsea, Mass.
HILDEBRANDT fishing tackle—John J. Hildebrandt Co., Logansport, Ind.
HILGER spectroscopes & polariscopes—Eimer & Amend, 205 3rd av, New York
HILKER self-wringing mops, shoe cleaners, floor oils—Edw. Hilker Mop Co., 2614 W. Grand av, Chicago, Ill.
HILL automobile seats, wind shields—Hill Mfg. Co., 23 Fuller, Buffalo, N. Y.
HILL calf weaners, corn huskers & corn husking pins—Decatur Novelty Works, Decatur, Ill.
HILL cinder grinders—Eastern Machinery Co., New Haven, Conn.
HILL clothes dryers—Hill Clothes Dryer Co., Worcester, Mass.
HILL cold-saw cutting-off machines, boring tools, key seating tools, lathe tools, vises—Union Tool Co., Orange, Mass.
HILL collar oiling bearings—Hill Clutch Co., 1000 W. 58th, Cleveland, Ohio
HILL crank turning device—Hill-Standard Mfg. Co., Anderson, Ind.
HILL diagonal paper cutting machines—Rice, Barton & Fales Machine & Iron Co., Worcester, Mass.
HILL friction clutches—Hill Clutch Co., W. 65th, Cleveland, O.
HILL hog ringers & tongs—F. P. Smith & Co., Sharon Hill, Pa.
HILL hog rings—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
HILL lathe dogs—Ready Tool Co., Bridgeport, Conn.
HILL pump valves & safety gauge glasses—Hill Pump Valve Co., Archer av, Canal & 23rd, Chicago, Ill.
HILL tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
HILL-CANTON cabinet hot air clothes dryers—Hill Clothes Dryer Co., Worcester, Mass.
HILL FOR DRILL PRESS drilling vises—Union Tool Co., Orange, Mass.
HILL HIGH SPEED cutting off tools—Union Tool Co., Orange, Mass.
HILLIARD friction clutches—Hilliard Clutch & Machinery Co., Elmira, N. Y.
HILLMAN automobile wind shields—Hillman Auto Supply Co., 98 Massachusetts av, Boston, Mass.
HILL I. X. X. X. roving cans—Jas. Hill Mfg. Co., 52 Westfield, Providence, R. I.
HILLS anvils—Millers Falls Co., 28 Warren, New York
HILLS core compounds—Hill Brunner Foundry Supply Co., 637 Evans, Cincinnati, Ohio
HILLS hog ringers—Decker Mfg. Co., Keokuk, Iowa.
HILLS inside folding blinds—Union Blind & Ladder Co., Oakland, Cal.
HILLS log turners—Phoenix Mfg. Co., Eau Claire, Wis.
HILLS pipe threading dies—Walworth Mfg. Co., Boston, Mass.
HI-LO automobile horns—Premier Electric Co., 1123 S. Wabash av, Chicago, Ill.
HILO carriage top dressing, japans, paint & varnish remover—Hilo Varnish Corp., Marcy av, Brooklyn, N. Y.
HI-LO automobile jacks—Rowe Calk & Chain Co., Plantsville, Conn.

HI-LO disc harrows—Ohio Cultivator Co., Bellevue, Ohio
HI-LOW draughting tables—F. O. Weyell, 12 S. Clinton, Chicago, Ill.
HILSBOROUGH calcined plaster—J. B. King & Co., 17 State, New York
HILTON carpet beaters—Fernald Mfg. Co., North East, Pa.
HILTS adjustable chain wrenches—Hilts Wrench & Mfg. Co., Richford, N. Y.
HINDLEY gears & screw—Hindley Gear Co., 1105 Frankford av, Phila., Pa.
HINDLEY worm gears—Boston Gear Works, Quincy, Mass.
HINDOSTAN oil & water stones—Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
HINE'S eliminators, steam separators, oil extractors—Jas. L. Robertson & Sons, 78 Murray, New York
HINGE-STAY-ON door hangers — G. A. Swineford Co., Canton, Ohio
HINMAN bench shears—D. A. Hinman & Co., Sandwich, Ill.
HINMAN station meters — D. McDonald & Co., Albany, N. Y
HINMAN station meters—Nathaniel Tufts, Meter Co., 455 Commercial, Boston, Mass.
HINSDALE screw drivers, screw driver bits—C. E. Jennings & Co., 71 Murray, New York
HINSON automobile belts—C. & B. Hinson Co., 1511 Chase, Cincinnati, Ohio
HINSON car brakes, car couplers, draft gear, emergency steel knuckles—National Car Coupler Co., 332 S. Michigan av, Chicago, Ill.
HI-PO dry batteries—Lincoln Electric Co., 149 Broadway, New York
HIPPO belting—J. Bachmann & Co., 16 Reade, New York
HIPPO belting, belt cements—Reed & Duecker, Memphis, Tenn.
HIPPO paints & waterproofing material—American Chemical & Mfg. Co., 617 Monticello av, Norfolk, Va.
HIPPO rubber belting, rubber hose & oiled clothing—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
HIRAM cultivators—Rockford Mfg. Co., Rockford, Ill.
HIRDS dome fireplace dampers—Adams Co., Dubuque, Ia.
HIRED HAND gasoline engines—Associated Mfrs. Co., Waterloo, Iowa
HIRED MAN gasoline engines—Associated Mfrs. Co., Waterloo, Iowa
HIRSCH miners' lamps—Hirsch Electric Mine Lamp Co., 227 N. 23rd, Phila., Pa.
HIRSH root cutters—Hirsh Bros., 267 Reed, Milwaukee, Wis.
HISEY electric drills & grinders—Hisey-Wolf Machine Co., Cincinnati, Ohio
HI-SPEED water supply pumps—Gould Mfg. Co., 71 Falls, Seneca Falls, N. Y.
HIST'S potato diggers—Akron Cultivator Co., Akron, Ohio
HI-STEAM packing—Steel Mill Packing Co., 42 Larned av, Detroit, Mich.
HITCHCOCK potato diggers—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
HI-TEST rubber gloves—Faultless Rubber Co., Ashland, Ohio
HI-UP dry batteries—Manhattan Electric Supply Co., 17 Park pl, New York
HIVOL insulator pins—Electrical Material Co., 618 W. Jackson blvd., Chicago, Ill.
HI-VOLTAGE rubber gloves—Faultless Rubber Co., Ashland, Ohio
HYORTH bent nose pliers—Wm. Hyorth & Co., Jamestown, N. Y.
HOADLEY snow shovels—B. W. Aldrich & Co., Wallingford, Vt.
HOAG dusters & dust cloths—Hoag Duster Co., Monticello, Ia.
HOBART electric & gasoline coffee & bone mills—Hobart Mfg. Co., Troy, Ohio
HOBO storage batteries—Hoosier Storage Battery Co., Evansville, Ind.
HOCKEY ice skates—Nestor Johnson, 1237 N. California av, Chicago, Ill.
HOCKING Valley feed cutters—Hocking Valley Mfg. Co., Lancaster, Ohio
HODELL chains—Chain Products Co., 3924 Cooper av, Cleveland, Ohio
HODGES loose pulley oilers—McNab & Harlin Mfg. Co., 55 John, New York
HODGES & CRAVERS grain headers—Acme Harvesting Machine Co., Peoria, Ill.
HODGMAN carriage robes—Hodgman Rubber Co., 8 W. 40th, New York

HOEFER bench drilling machines—Hoefer Mfg. Co., Freeport, Ill.
HOERLEIN bakers' gas stoves—F. G. Hoerlein, 200 Nostrand av, Brooklyn, N. Y.
HOERR car doors & fittings, draft gear, fish hook plates—Western Railway Equipment Co., Central Natl. Bank bldg., St. Louis, Mo.
HOEVEL sand blast machines—Hoevel Mfg. Corp., 166 Ogden av, Jersey City, N. J.
HOFFITE asbestos flooring & fireproof paint—Hoff Magnesite Co., Monadnock bldg, San Francisco, Cal.
HOFFITE ASBESTOS fireproof paints, stucco & wall boards—Hoff Magnesite Co., Monadnock bldg, San Francisco, Cal.
HOFFITE PLASTIC asbestos roofing & building lumber—Hoff Magnesite Co., Monadnock bldg, San Francisco, Cal.
HOFFMAN back pressure valves & steam traps—B. Hoffmann Mfg. Co., Milwaukee, Wis.
HOFFMAN bath tubs—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
HOFFMAN clothes pressing machines—U. S. Hoffman Co., Syracuse, N. Y.
HOFFMAN thermostat valves & automatic heaters—Hoffman Heater Co., Lorain, Ohio
HOGAN SILENT ROENTGEN transformers—McIntosh Battery & Optical Co., 217 N. Desplaines, Chicago, Ill.
HOGGSON time stamps—S. H. Hoggson & Co., 27 Thames, New York
HOHNER harmonicas—M. Hohner, 114 E. 16th, New York
HOJOCA water closets—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
HOKE traction engines—Hoke Tractor Co., South Bend, Ind.
HOLCKER-ELBERG automobile wind shields—Holcker-Elberg Mfg. Co., Kansas City, Mo.
HOLD-EM rat traps—Worcester Wire Novelty Co., Emerson Tower bldg, Baltimore, Md.
HOLD HEET heaters, irons, radiators, stoves, toasters, heating pads, glue & solder pots—Russell Electric Co., 140 W. Austin, Chicago, Ill.
HOLDEN coal & gas heaters—Knight & Jillson Co., Indianapolis, Ind.
HOLDFAST clothes line hooks—Tie Co., Unadilla, N. Y.
HOLD FAST clothes pins—Demeritt Co., Waterbury, Vt.
HOLDFAST hame fasteners & harness snaps—Covert Mfg. Co., Troy, N. Y.
HOLDFAST hedge shears—Jos. F. McCoy Co., 157 Chambers, New York
HOLDFAST lamp guards—W. N. Matthews & Bro. 3722 Forest Park blvd., St. Louis, Mo.
HOLDFAST match safes—Hess & Son, Phila., Pa.
HOLDFAST paste—National Insulating & Mfg. Co., Indianapolis, Ind.
HOLD FAST tap wrenches—West Haven Mfg. Co., West Haven, Conn.
HOLDFAST tire fluid—Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
HOLDFAST window casement adjusters — Casement Hardware Co., 9 S. Clinton, Chicago, Ill.
HOLD TIGHT iron & steel filler cements—Turner, J. S., Mfg. Co., Lowell, Mass.
HOLETITE spiral packing—Quaker City Rubber Co., 629 Market, Philadelphia, Pa.
HOLICO automatic wood turners, tinware, wash boilers, wood letters, etc.—Home Light Co. of America, 1955 Park av, New York
HOL-KEN switch boxes—Geo. H. Rice Co., 431 E. 23rd, New York
HOLLAND draft springs—D. F. Tanner, Holland, N. Y.
HOLLAND flexible joints—Barco Brass & Joint Co., 212 W. Illinois, Chicago, Ill.
HOLLAND hot water heaters — American Radiator Co., 830 S. Michigan av, Chicago, Ill.
HOLLAND sheet cutters—Holland Trolley Supply Co., 1623 E. 43rd, Cleveland, Ohio
HOLLERITH tabulating machines — Tabulating Machine Co., 1054 31st, Washington D. C.
HOLLEY carbureters—Holley Carburetor Co., 145 Mellis av E, Detroit, Mich.
HOLLINGSHEAD lubricating oils & greases, carriage top dressing, patent leather enamels, oil soap—R. M. Hollingshead Co., Camden, N. J.
HOLLO WEIS steel window frame—Henry Weis Cornice Co., Kansas City, Mo.
HOLLOW CABLE lightning rods—Hollow Cable Mfg. Co., Hornell, N. Y.
HOLLY farm wagons—Patterson Mfg. Co., Holly, Mich.

HOLLY steam meters & steam traps—American District Steam Co., North Tonawanda, N. Y.
HOLLY wire glass, glass floor plate—Western Glass Co., Streator, Ill.
HOLLYWOOD blotting paper—Albemarle Paper Mfg. Co., Richmond, Va.
HOLLYWOOD conveyor belting & packing—Hewitt Rubber Co., Buffalo, N. Y.
HOLM tapping attachments—Whitney Mfg. Co., Hartford, Conn.
HOLMAN pneumatic rock drills—Mine & Smelter Supply Co., 42 Broadway, New York
HOLMES bung boring machines—E. & B. Holmes Machinery Co., Buffalo, N. Y.
HOLMES little giant tractors—Holmes Tractor Co., Port Clinton, Ohio
HOLMES mine hoists—Robt. Holmes & Bros., Danville, Ill.
HOLOPHANE glass shades & reflectors—Holophane Glass Co., 340 Madison av, New York
HOLOSHADE standard sockets—H. T. Paiste Co., 3201 Arch, Phila., Pa.
HOLT engine starters—Holt Electric Co., 379 S. Pierce, Milwaukee, Wis.
HOLT farm boilers—Holt Mfg. Co., Stockton, Cal.
HOLT pattern saw sets—L. A. Sayre & Co., 332 Mulberry, Newark, N. J.
HOLT saw sets—G. L. Holt Co., Hartford, Conn.
HOLT suction strainers—Rosedale Foundry & Machine Co., Columbus & Preble, Pittsburgh, Pa.
HOLTON cutting-off machines—Etna Machine Co., Toledo, Ohio
HOLTS lightning hay knives—Dunn Edge Tool Co., Oakland, Me.
HOLTS IMPROVED DOVER egg & cream beaters—Holt-Lyon Co., Tarrytown, N. Y.
HOLYOKE fire hydrants—Norwood Engineering Co., Florence, Mass.
HOLYOKE water heaters—Holyoke Heater Co., Holyoke, Mass.
HOMASOTE fibre & wall boards—Pantasote Co., 11 Broadway, New York
HOME carpet sweepers—Santo Vacuum Cleaner Co., 820 6th av, New York
HOME cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
HOME glue pots—Reading Saddle & Mfg. Co., Reading, Pa.
HOME lubricating oils—Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
HOME—medical batteries—Manhattan Electrical Supply Co., 17 Park pl, New York
HOME mops—C. H. Ellert, Evansville, Ind.
HOME nut crackers & picks—Schroeter Bros. Hdw. Co., 810 Washington av, St. Louis, Mo.
HOME COMFORT lawn swings—H. C. Canfield, Batesville, Ind.
HOME GUARD fire extinguishers—Knight & Thomas (Inc.), 212 Summer, Boston, Mass.
HOME-KISSED curtain stretchers, ironing boards—Holmquist & Co., 2814 W. 26th, Chicago, Ill.
HOMESTEAD steam heaters—H. B. Smith Co., Westfield, Mass.
HOMESTEAD lawn mowers—Worcester Lawn Mower Co., Worcester, Mass.
HOMESTEAD valves—Homestead Valve Mfg. Co., Homestead, Pa.
HOMESTEAD natural gas burners—Lawson Mfg. Co., Lexington & Thomas, Pittsburgh, Pa.
HOME VICTOR water heaters—S. V. Reeves, 45 N. 2d, Phila., Pa.
HOMOGEN case hardening compounds—Case Hardening Service Co., 2279 Scranton rd, Cleveland, Ohio
HONEST JOHN neck yoke centers—Racine General Mfg. Co., Racine, Wis.
HONEYCOMB mitre boxes—Rockford Mitre Box Co., Rockford, Ill.
HONEYCOMB water cooling radiators—Detroit Auto Specialty Co., 909 Greenwood av, Detroit, Mich.
HONEYCOMB water cooling radiators—Fedders Mfg. Co., Buffalo, N. Y.
HONEYWELL damper regulators & hot water radiator valves—Honeywell Heating Specialty Co., Wabash, Ind.
HOOD stove pipe dampers—Hood Furnace & Supply Co., Corning, N. Y.
HOO-HOO babbitt metal—More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
HOO-HOO saw guides—Reed Hardware & Mfg. Co., Cairo, Ill.
HOOKER air compressors & pumps—Reliance Machine & Tool Works, Channing & Franklin av, St. Louis, Mo.
HOOKER fire hydrants—McKim Foundry & Machine Co., Lockport, N. Y.
HOOPER pumps—W. T. Garratt & Co., 299 Fremont, San Francisco, Cal.
HOOPER rural mail boxes—Jno. F. Heine & Son, Hooper, Neb.
HOOPES bridges—Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
HOOSIC corn poppers—Chas. M. Dorr Co., Hoosick Falls, N. Y.
HOOSIER corn planters, grain drills, seeders, sowers—International Harvester Company of America (Inc.), Harvester bldg., Chicago, Ill.
HOOSIER disc furrowing attachments—American Seeding Machine Co., Springfield, Ohio
HOOSIER drilling machines & machine vises—Hoosier Drilling Machine Co., Goshen, Ind.
HOOSIER kitchen cabinets—Hoosier Mfg. Co., New Castle, Ind.
HOOSIER lawn sprinklers—Elkhart Brass Mfg. Co., Elkhart, Ind.
HOOSIER saw bucks—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
HOOSIER steam engine governors & rip saw machines, band saw mills, box makers' machy.—Sinker-Davis Co., Indianapolis, Ind.
HOOSIER tractor engines—Leo Rumely Tractor Co., La Porte, Ind.
HOOSIER vacuum cleaners & carpet sweepers—Peoria Can Co., Peoria, Ill.
HOOSIER wagon skeins—American Skein & Foundry Co., Racine, Wis.
HOOVER potato diggers—Hoover Mfg. Co., Avery, Ohio
HOOVER electric vacuum carpet sweepers—Hoover Suction Sweeper Co., N. Canton, Ohio.
HOOVER PERFECT automobile springs—Hoover Spring Co., 617 Turk, San Francisco, Cal.
HOOZIER calf weaners—Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
HOPACO packing—Hollow Center Packing Co., 608 S. Dearborn, Chicago, Ill.
HOPEDALE warpers—Draper Corp., Hopedale, Mass.
HOPKINS hydrant wrenches—Chas. E. Berry, Somerville, Mass.
HOPKINS typewriters—Moon-Hopkins Billing Machine Co., 2235 O'Fallon, St. Louis, Mo.
HOPKINS wrapping paper—New York Roll Wrapping Paper Co., 84 Beekman, New York
HOPKINSON-THRING torsion meters—McNab Co., Bridgeport, Conn.
HOPPEN grindstone boxes & frames & grindstone truing device—J. E. Hoppen & Sons, Belleville, N. J.
HOPPER can openers—Wrightsville Hardware Co., Wrightsville, Pa.
HOP RIVER chair seats—National Seat & Novelty Mfg. Co., Hop River, Conn.
HOPSON steam & hot water heaters—Hopson & Chapin Mfg. Co., New London, Conn.
HOP TOAD hose—Empire Tire & Rubber Corp., Trenton, N. J.
HORIZONTAL sugar cane mills, Southrern Plow Co., Columbus, Ga.
HORNBRO surgical elastic hosiery—W. H. Horn & Bro., 451 N. 3rd, Phila., Pa.
HORN FIBRE boot & shoe fibre counters—Rogers Fibre Co., 120 Beach, Boston, Mass.
HORNSBURG hot air furnaces—Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
HORNSBY-AKROYD oil engines—De La Vergne Machine Co., ft. E. 138th, New York
HORROCK winders—F. A. & P. Hall, Lawrence, Mass.
HORSCHITZ slip meters—James G. Biddle, 1211 Arch, Phila., Pa.
HORSEHEAD oxide of zinc & spelter—New Jersey Zinc Co., 160 Front, New York
HORSELINE lubricating oils & greases—R. J. Kanter Co., 647 Water, New York
HORSESHOE cement—Louisville Cement Co., Louisville, Ky.
HORSESHOE MAGNET tack hammers—Arthur R. Robertson, 144 Oliver, Boston, Mass.
HORSESHOER anvils—Fisher & Norris, Trenton, N. J.
HORSFIELD tap wrenches—S. W. Card Mfg. Co., Mansfield, Mass.
HORSLEY flanged boiler nozzles—Jos. T. Ryerson & Son, 910 Corn Exchange bldg & Rockwell, Chicago, Ill.
HORTON drill chucks—E. Horton & Son Co., Windsor Locks, Conn.
HORTON washing machines—Horton Mfg. Co., Fort Wayne, Ind.
HOSKINS electric furnaces—Eimer & Amend, 205 3rd av, New York
HOSKINS electric furnaces—Hoskins Mfg. Co., 453 Lawton, Detroit, Mich.

HOSPITAL absorbent cotton—American Gauze & Cotton Co., Inc., 407 8th, St. Louis, Mo.
HOSPITAL absorbent cotton—Maplewood Mills, Fall River, Mass.
HOSPITAL plasterers' steel beads—Union Metal Corner Co., 18 Heath, Boston, Mass.
HOT blast blow torches—Turner Brass Works, Sycamore, Ill.
HOTAKOLD vacuum bottles—Vacuum Specialty Co., 200 5th av, New York
HOTCHKISS boiler flue & tube cleaners—Leonard & McCoy, 161 Washington, New York
HOTCHKISS curb forms—Hotchkiss Metal Form Co., Binghamton, N. Y.
HOT HOUSE hose nozzles—Boston Woven Hose & Rubber Co., Cambridge, Mass.
HOT POINT electric sad irons—Edison Electric Appliance Co. (Hotpoint Div.), 5600 W. Taylor, Chicago, Ill
HOT SHOT spark plugs—K-W Ignition Co., Chester av & E 30th, Cleveland, Ohio
HOT SPARK spark plugs—Guarantee Tire & Rubber Co., Indianapolis, Ind.
HOT SPOT gas heaters—Reliable Stove Co., Div. of Am. Stove Co., 1787 E. 40th, Cleveland, Ohio
HOT STUFF lubricators—Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
HOT STUFF tank heaters—Butler Co., Butler, Ind.
HOTTENTOT gas ranges—Eriez Stove & Mfg. Co., Erie, Pa.
HOUCHIN'S alcohol stoves, gas lighters, faucet filters, insect guns—Thos. W. Houchin Co., 36 E. 12th, New York
HOUGHTALING reducing motions—Ashcroft Mfg. Co., 119 W. 40th, New York
HOUGHTOLARD cutting oils—E. F. Houghton & Co., 240 W. Somerset, Phila., Pa.
HOUGHTON oil filters, case hardening compounds, disinfectants—E. F. Houghton & Co., 240 Somerset, Phila., Pa.
HOUSATONIC bond paper—B. D. Rising Paper Co., Housatonic, Mass.
HOUSE cold tire setters—House Cold Tire Setter Co., 4143 Laaclede, St. Louis, Mo.
HOUSEHOLD coffee mills—Mirroscope Co., Cleveland, Ohio
HOUSEHOLD gas ranges—White-Warner Co., Taunton, Mass.
HOUSEHOLD medical batteries—Manhattan Electrical Supply Co., 17 Park pl, New York
HOUSTON locomotive sanders—United States Metalic Packing Co., 221 N. 13th, Phila., Pa.
HOUSTON vacuum cleaners—American Radiator Co., 820 Michigan av, Chicago, Ill.
HOUTS axle grease & soap powders—Cortland Specialty Co., Cortland, N. Y.
HOVELAND tile ditching machines—St. Paul Machinery Mfg. Co., Como & Marion, St. Paul, Minn.
HOVEYS EAGLE calcined plaster—Grand Rapids Plaster Co., Grand Rapids, Mich.
HOWARD damper regulators—Howard Thermostat Department of Steam Carriage Boiler Co., Oswego, N. Y.
HOWARD dusters, floor brushes & dust cloths—Howard Dustless Duster Co., 290 Franklin, Boston, Mass.
HOWARD electric watchman clocks—E. Howard Clock Co., Bramfield & Washington, Boston, Mass.
HOWARD self-oiling hangers—Olney & Warrin, 301 Lafayette, New York
HOWARDS asphalt roofing & sheet roofing fasteners —Usona Mfg. Co., Aurora, Ill.
HOWARDS benzoic acid & caffeine—National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
HOWARDS swinging hose reels—H. J. M. Howard Mfg. Co., 150 Pierce, N. W., Washington, D. C.
HOWARTH sash centers—Michigan Engine Valve Co., 115 Columbia av, Detroit, Mich.
HOWE bull chains—Link-Belt Co., 329 W 39th, Chicago, Ill., & Hunting Park av, & P. & R. Ry., Phila., Pa
HOWE comealongs, jack-straps—Dicke Tool Co., Downers Grove, Ill.
HOWELL'S NO. 50 emulsion oils—Jamaica Dyewood & Chemical Co., 50 Church, New York
HOWES fishing bait—Vacuum Bait Co., North Manchester, Ind.
HOWES ranges—S. M. Howes Co., 40 Union, Boston, Mass.
HOWLAND steam traps—Oliver & Howland Co., Springfield, Mass.
HOY potato diggers—Ireland & Helfrich, Spencerport, N. Y.
HOYT belting & belt cements—E. R. Ladew Co., 54 Franklin, New York



HOYT gauge cocks—Rich Mfg. Co., 370 Atlantic av, Boston, Mass.
HOYT gauge cocks—Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
HOYT'S clothes pins—J. R. Clark & Co., Minneapolis, Minn.
HUB block sheet packing—Geo. W. Knowlton Rubber Co., 60 Pearl, Boston, Mass.
HUB Christmas tree holders—John Donnelly, Branford, Conn.
HUB faucet cans—Sexton Can Co., 123 Broad, Boston, Mass.
HUB fountain pen—Davidson Rubber Co., Boston, Mass.
HUB friction clutches—American Tool & Machine Co., 10 High, Boston, Mass.
HUB plasterers' steel beads—Union Metal Corner Co., 18 Heath, Boston, Mass.
HUB mill baskets, sample cases, store trucks—Josiah Cummings & Sons, 657 Atlantic av, Boston, Mass.
HUB never drip strainers—Hamblin & Russell Mfg. Co., Worcester, Mass.
HUB ranges & steam & hot water heaters—Smith & Anthony Co., 52 Union, Boston, Mass.
HUB step ladders—Reiley Bros. Ladder Co., 324 W. 41st, New York
HUB switch stands—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
HUB water closets—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
HUB water filters—Jones Mfg. Co., 243 Franklin, Boston, Mass.
HUBBARD axes—American Axe & Tool Co., Glassport, Pa.
HUBBARD chain pull sockets—Harvey Hubbell (Inc.), Bridgeport, Conn.
HUBBARD shovels, spades & scoops—Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
HUBBARD'S road planers—Puffer-Hubbard Mfg. Co., Minneapolis, Minn.
HUBBELL electric lamp flashlights & electric safety lamps—Portable Electric Safety Light Co., 10 Johnson, Newark, N. J.
HUBBELL shade holders—Harvey Hubbell (Inc.), Bridgeport, Conn.
HUB-DOME electric bells—Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
HUBER asbestos table padding—Asbestos Fibre Spinning Co., North Wales, Pa.
HUBER hay revolving rakes, Ohio Rake Co., Dayton, Ohio
HUBER night latches—Huber Mfg. Co., 417 E. 93d, New York
HUBER LIGHT 4 traction & gasoline engines—Huber Mfg. Co., Marion, Ohio
HUBLER DAYTON storage batteries—Dayton Electrical Mfg. Co., Dayton, Ohio
HUDFORD truck units—Commercial Car Unit Co., 16th & Glenwood, Phila., Pa.
HUDSON asphalt felts & slate surface shingles—Asphalt Roof Coating Co., Ltd., 10 E. 43rd, New York
HUDSON belting—Mercer Rubber Co., Hamilton, N. J.
HUDSON bicycles—Miami Cycle & Mfg. Co., Middletown, Ohio
HUDSON exhaust heads—Abendroth & Root Mfg. Co., Newburgh, N. Y.
HUDSON hose menders—Hudson Hose Mender Co., Melrose, Mass.
HUDSON hose mender—Hudson Parer Co., Leominster, Mass.
HUDSON reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg., New York
HUDSON reclaimed rubber—Nearpara Rubber Co., Trenton, N. J.
HUDSON steam & hot water heaters—Hudson Boiler Mfg. Co., 359 W. 42nd., New York
HUDSON waste baling presses—Hazen Mfg. Co., Hudson, Mich.
HUDSON water heaters—Abendroth Bros., Port Chester, N. Y.
HUDSON FULTON storage batteries—Storage Battery Supply Co., 239 E 27th, New York
HUDSON FULTON JR. storage batteries—Storage Battery Supply Co., 239 E 27th, New York
HUDSON RIVER garden barrows—McWhinnie, Thos., Poughkeepsie, N. Y.
HUDSON'S fry pans—Northwestern Stamping Co., Burlington, Ia.
HUFF ore concentrators & separators—Huff Electrostatic Separator Co., 60 India, Boston, Mass.
HUFFER spring hinges—N. R. Streeter & Co., Rochester, N. Y.

HUGHES electric cooking apparatus & electric ranges —Hughes Electric Heating Co., 5660 W. Taylor, Chicago, Ill.
HUGHES gas producers—Wellman-Seaver-Morgan Co., Cleveland, Ohio
HUGHES universal electric arc lamps—Hughes Universal Arc Lamp Co., 628 Race, Phila., Pa.
HUGHLETT can lacquering machines—Seeley Bros., Blaine, Wash.
HUGHSON pump governors—Illinois Engineering Co., W 21st & South Racine avs, Chicago, Ill.
HUG-IT belt dressing—Hinds & Coon, 126 Pearl, Boston, Mass.
HUGO steel clamps—Norfolk Mfg. Co., Norfolk, Conn.
HUG-TIGHT belt dressing—Codd Tank & Specialty Co., 117 S. Hanover, Baltimore, Md.
HUGTITE lock-nuts & washers—United Nut Lock Co., Springfield, Mass.
HUHN metallic packing—A. M. Huhn Metallic Packing Co., 233 B'way, New York
HUMANE horse cleaners—Harsh-Miller Mfg. Co., Wabash, Ind.
HUMANE horse collars—Powers Mfg. Co., Waterloo, Iowa
HUMANE currycombs—F. E. Kohler Co., Canton, Ohio
HUME JUNIOR traction engines—Hume Mfg. Co., Hume, Ill.
HUMIGARS cigar humidifiers—Bishop & Babcock Co., 1204 E. 55th, Cleveland, Ohio
HUMMER barn door hangers—Lawrence Bros., Sterling, Ill.
HUMMER cultivators & plows—Racine-Sattley Co., Springfield, Ill.
HUMMER foot power, tool sharpener—Luther Grinder Mfg. Co., 285 S. Water, Milwaukee, Wis.
HUMMING BIRD kitchen sets—Cassady, Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
HUMP fire hose reels—Wirt & Knox Mfg. Co., 23rd & York, Phila., Pa.
HUMPHREY crushing rolls—Colorado Iron Works Co., Denver, Colo.
HUMPHREY gas arc lamps & mantles—General Gas Mantle Co., Kalamazoo, Mich.
HUMPHREY wire & drawing machines & root cutters —Humphrey & Sons, Joliet, Ill.
HUNGERFORD water filters—Hungerford & Terry (Inc.), Penna. bldg., Phila., Pa.
HUNT axes—American Axe & Tool Co., Glassport, Pa.
HUNT cars, conveyors, switches, turntables, storage battery trucks—C. W. Hunt Co., Inc., West New Brighton, Staten Island, N. Y.
HUNT push pins—Roeti-Hunt Corp., Putnam, Conn.
HUNT transformer, oil dryer & purifier & transformer oils—Edward J. Hunt, 707 Ordway bldg., Newark, N. J.
HUNTER currycombs—Wisconsin Metal Products Co., Racine, Wis.
HUNTER'S carbureters—Vincennes Motor Mfg. Co., Vincennes, Ind.
HUNTER'S flour sieves—Fred. J. Meyers Mfg. Co., Hamilton, Ohio
HUNTER'S steam & hot water heaters—Jas. Hunter, Albany, N. Y.
HUNTINGBURG farm wagons—Huntingburg Wagon Works, Huntingburg, Ind.
HUNTINGTON emery wheel dressers—Burgess-Norton Mfg. Co., Geneva, Ill.
HUNTINGTON emery wheel dressers—Chicago Wheel & Mfg. Co, 1101 Monroe, Chicago, Ill.
HUNTINGTON emery wheel dressers—Curtin-Herbert Co., Gloversville, N. Y.
HUNTINGTON emery wheel dressers—Desmond-Stephen Mfg. Co., Urbana, Ohio
HUNTINGTON emery wheel dressers—North Wales Machine Co., North Wales, Pa.
HUNTINGTON emery wheel dressers—Peninsular Emery Wheel Co., 253 Meldrum, Detroit, Mich.
HUNTINGTON emery wheel dressers—Warren Axe & Tool Co., Warren, Pa.
HUNTINGTON emery wheel dressers—William Williams, Jr., New Britain, Conn.
HUNTINGTON COLLMER emery wheel dressers—Collmer Bros., South Bend, Ind.
HUNTINGTON shingle tile—Huntington Roofing Tile Co., Huntington, W. Va.
HUNTINGTON track gauges—Aldon Co., 3338 W. Ravenswood av, Chicago, Ill.
HUNT-McCORMICK turbine water wheels—Rodney Hunt Machine Co., Orange, Mass.
HUNTON brake beams—Joliet Railway Supply Co., Joliet, Ill.
HUNTOON bridle bits—Upton & Gilman Machine Co., Lowell, Mass.
HURCO interior finish—Hurst Sash & Door Co., Grand Island, Neb.
HURD axes—American Axe & Tool Co., Glassport, Pa.
HURIUP gasoline funnels—F. Cortez Wilson & Co., 159 W. Lake, Chicago, Ill.
HURLBURT lock deck plates—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
HURLBURT motor trucks—Arthur J. Dunkle Co., 50 Church, New York
HURLUP gasoline funnels—A. C. Kraft, 323 W. Lake, Chicago, Ill.
HURON cement—Huron Portland Cement Co., Ford bldg, Detroit, Mich.
HURON oil & grease cups—Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
HURON alloy tool steel—Ludlum Steel Co., Watervliet, N. Y.
HURRICANE electric fans—Eck Dynamo & Motor Co., Belleville, N. J.
HURRICANE textile dryers, carbonizers & scouring, skein dyeing machines, singeing machines, screw presses—Philadelphia Drying Machinery Co., 3351 Stokley, Phila., Pa.
HURRICANE tube cleaners—Jas. L. Robertson & Son, 78 Murray, New York
HURRY dryers—Willey Co., Inc., 1222 Race, Phila., Pa.
HURT broom cutters & broom sizers—Alphonso Walrath Co., Fort Plain, N. Y.
HURWOOD screw drivers, awls, ice picks—Stanley Rule & Level Co., New Britain, Conn.
HUSKIT corn huskers—R. F. Clark Mfg. Co., 169 N. Jefferson, Chicago, Ill.
HUSSEY spring tooth harrows—Hussey Plow Co., N. Berwick, Me.
HUSTLER ash sifters—Hill Clothes Dryer Co., 40 Central, Worcester, Mass.
HUSTLER sled cultivators—Ohio Cultivator Co., Bellevue, Ohio
HUSTON pressed steel boiler saddles—Lukens Steel Co., Coatesville, Pa.
HUSYBINS crucible bar & crucible sheet steel—Hussey-Binns Steel Co., Bridgeville, Pittsburgh, Pa.
HUTTER porcelain stoppers—Karl Hutter, 241 Lafayette, New York
HYATT billiard tables—Albany Billiard Ball Co., Albany, N. Y.
HYATT shafting boxes—Hyatt Roller Bearing Co., Harrison, N. J.
HYCAP-EXIDE storage battery cars—J. G. Brill Co., 62nd & Woodland av, Phila., Pa.
HYDE water tube boilers—Hyde Bros. & Co., Commonwealth bldg, Pittsburgh, Pa.
HYDE'S horseshoers' vises—New London Vise Works, New London, Conn.
HYDRA packing—H. W. Johns-Manville Co., Madison av & 41st, New York
HYDRA oil—Texas Company, 17 Battery pl, New York.
HYDRAERAM—Water Supply System, Deming Co., Salem, O.
HYDRATOR lime hydrating machinery—American Hydrating Co., Md. Trust bldg., Baltimore, Md.
HYDREX burlap & waterproofing materials—Hydrex Felt & Engineering Co., 120 Liberty, New York
HYDRO chronographs—Hydro Mfg. Co., Bullitt bldg., Phila., Pa.
HYDRO gas meters—Bacharach Industrial Instrument Co., Pittsburgh, Pa.
HYDRO rubber hose—Republic Rubber Co., Youngstown, Ohio
HYDRO-CARBONITE roofing paints—Monarch Paint Co., W 70th, Cleveland, Ohio
HYDROCIDE waterproofing materials—L. Sonneborn Sons, 262 Pearl, New York
HYDROIL water oil cutting compound—B. G. Pratt Co., 50 Church, New York
HYDROLITE waterproof materials—Good Products Co., 1856 Leclaire, Chicago, Ill.
HYDROLITH sanitary flooring—Hydrolith Co., 25 Dean, Brooklyn, N. Y.
HYDROMATIC valves—Engineers' Appliance Co., Cleveland, Ohio
HYDRONON waterproofing materials—Barrett Co., 17 Battery pl, New York
HYDROPRESSURE bottle washing machy—Loeu Mfg. Co., 9100 Madison av. N. W., Cleveland, Ohio
HYDROSEAL dampproofing compounds—Concrete Waterproof Paint Co., 329 N. 3rd, Phila., Pa.
HYDROWAX furniture polish—B. G. Pratt Co., 50 Church, New York
HYDUTY feed drills—Buda Co., Railway Exchange bldg., Chicago, Ill.
HY DUTY ECONOMIC steam & hot water heaters—Frank Prox Co., Terra Haute, Ind.
HYFIELD safety razor blades sharpening machines—Hyfield Mfg. Co., 21 Walker, New York

HYGEIA sanitary drinking fountains—Jas. B. Clow & Sons, Franklin & Harrison, Chicago, Ill.
HYGENIC paper cuspidors—Stone & Forsythe Co., 67 Kingston, Boston, Mass
HYGENOL liquid soap—Hygenol Co., Minneapolis, Minn.
HYGIENE brass & iron bedsteads—Metal Furniture Co., Evansville, Ind.
HYGIENE fibre bowl brushes—Universal Brush Co., 181 Quincy, Chicago, Ill.
HYGIENE wool wadding—Evans & Co., Lockport, N. Y.
HYGIENIC faucet filters—Seed Filter & Mfg. Co., 73 Franklin, New York
HYGIENIC fireless cookers—Stephens Mfg. Co., 67 Carroll, Buffalo, N. Y.
HYGIENIC kalsomine—Adams & Elting Co., 726 W. Washington, Chicago, Ill.
HYGIENIC SPRING closet seats—B. R. E. Mfg. Co., Hyde Park, Mass.
HYGLO metal polish—Jno. T. Stanley, 642 W. 30th, New York
HYGRADE incandescent electric lamps—Hygrade Lamp Co., Salem, Mass.
HYGRITE stencil moistening fluid—Louis E. Fuller, 226 W. 75th, New York
HYGROSSO humidifying apparatus—Briggs-Shaffner & Co., Winston-Salem, N. C.
HYLO turn down electric lamps—Economical Electric Lamp Div. of G. E. C., 25 W Broadway, New York
HYLOPLATE composition blackboards—J. L. Hammett Co., Kendall sq., Cambridge, Mass.
HY-NAMEL enameled brick—Hydraulic-Press Brick Co., St. Louis, Mo.
HYNSON bung hole borers—Hynson Tool & Supply Co., 4758 Easton av, St. Louis, Mo.
HY-POL furniture polish—Adams & Elting Co., 726 Washington, Chicago, Ill.
HYPRESS positive pressure blowers—L. J. Wing Mfg. Co., 352 W. 13th, New York
HY-RIB steel lath—Truscon Steel Co., Youngstown, O.
HY-SPEED metal planing machines—Woodward & Powell Planer Co., Worcester, Mass.
HYTEMPITE furnace cements—Quigley Furnace Specialties Co., 26 Cortlandt, New York
HY-TEN-SL manganese bronze alloys, castings, bronze rods—American Manganese Bronze Co., 3501 Rhawn, Phila., Pa.
Hy-TEX front brick—Hydraulic Press Brick Co., St. Louis, Mo.
I anti-friction babbitt metal—A. Gilbert & Sons Brass Foundry Co., 4019 Forest Park blk, St. Louis, Mo.
I beam monorail systems, hangers & switches—Cameron Engineering Co., E. Stroudsburg, Pa.
I. A. SPECIAL combined harrow & cultivator—S. R. White's Sons, Norfolk, Va.
I. C. motor starters, rheostats & resistance units—Industrial Controller Co., 890 Greenbush, Milwaukee, Wis.
I. C. F. sash weights—Iron City Foundry Co., Lebanon, Pa.
I. C. I. bit brace chucks & easy wringing mops—I. C. Imboden Mfg. Co., Cleona, Pa.
I. C. P. CO. typewriter ribbons—International Carbon Paper Co., 100 Grand, New York
I-D-L fish landing nets—General Phonograph Corp., 25 W. 45th, New York
I. D. P. waterproofing materials—Illinois Damp-Proofing Co., 105 W. Monroe, Chicago, Ill.
I. I. & B. CO., jacks, jack screws, cast iron wagon skeins, pipe vises & tire benders—Illinois Iron & Bolt Co., Carpentersville, Ill.
I. L. screw drivers—Browne & Dowd Mfg. Co., Meriden, Conn.
I. L. S. & C. machine wipers—L. Scheinman & Co., 38 Sherman, Detroit, Mich.
I. O. C. lubricating oils & greases—Invader Oil Co., 76 Pearl, New York
I. O. C. oxygen generators, oxygen gas & hydrogen—International Oxygen Co., 796 Frelinghuysen av, Newark, N. J.
I-P loose-leaf devices—Irving-Pitt Mfg. Co., Kansas City, Mo.
I-R. drill steel—Ingersoll-Rand Co., 11 Broadway, New York
I-RITE pyrometers—Gibb Instrument Co., Highland bldg., Pittsburgh, Pa.
I. T. E. circuit breakers—Cutter Electrical & Mfg. Co., 19th & Hamilton, Phila., Pa.
I. W. P. waterproofing materials—Imperial Water Proof Co., 105 W. Monroe, Chicago, Ill.
IX dinner pails—Sullivan-Geiger Co., Indianapolis, Ind.



I. X. L. bed & furniture casters, galvanized pump chains & wire fence ratchets, store trucks, wire cloth measuring machines—O. P. Schriver & Co., 621 E. Pearl Cincinnati, Ohio
I. X. L. can openers—W. G. Browne Mfg. Co., Kingston, N. Y.
I. X. L. can openers—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
I. X. L. car wrenches—G. M. Gealy, Grove City, Pa.
I. X. L. collar fasteners—North & Judd Mfg. Co., New Britain, Conn.
I. X. L. cork lined faucets—John Sommer Faucet Co., 355 Central av, Newark, N. J.
I. X. L. cottonseed oil—American Cotton Oil Co., 65 B'way, New York
I. X. L. cut gears—Foote Bros. Gear & Machine Co., 213 N. Curtis, Chicago, Ill.
I. X. L. ensilage cutters—U. S. Wind Engine & Pump Co., Batavia, Ill.
I. X. L. file cleaners—Tragle Mfg. Co., Reading, Pa.
I. X. L. floor finish—Edward Smith & Co., 127 W. av, Long Island City, N. Y.
IXL flush tank regulators—Modern Iron Works, Quincy, Ill.
I. X. L. fruit & maple sugar evaporators—Warren Evaporator Works, Warren, Ohio
I. X. L. knives, razors, ink erasers—Geo. Wostenholm & Son, 105 Chambers, New York
IXL oil cups—Swift Lubricator Co., Elmira, N. Y.
I. X. L. padlocks—Slaymaker Lock Co., Lancaster, Pa.
I. X. L. pipe cutting & threading machines—D. Saunders Sons, Yonkers, N. Y.
I. X. L. pipe hangers— Sproul & McGurrin Co., Grand Rapids, Mich.
I. X. L. piston & sheet packing—Chas. Nuhring & Bros., 1212 Walnut, Cincinnati, Ohio
I. X. L. ready asphalt roofing—Chapman & Soden, 150 Oliver, Boston, Mass.
I. X. L. reversible ratchet drills—Lowell Wrench Co., Worcester, Mass.
I. X. L. saw gummers—Ajax Mfg. Co., N. S. Pittsburgh, Pa.
I. X. L. sewage ejectors & water closets—I. X. L. Pump & Mfg. Co., 957 N. 9th, Phila., Pa.
IXL tank heaters & windmills—Phelps & Bigelow Windmill Co., Kalamazoo, Mich.
I. X. L. turbine water wheels—Humphrey Machine Co., Keene, N. H.
IXL wire—Collyer Insulated Wire Co., Pawtucket, R. I.
I. X. X. X. gill box cans—Hill James Mfg. Co., 52 Westfield, Providence, R. I.
I. & L. stump pullers—Milne Mfg. Co., Monmouth, Ill.
ICHABOD brass lanterns—Plume & Atwood Mfg. Co., Waterbury, Conn.
IDEAL adjustable standards & brackets—Knape & Vogt Mfg. Co., Grand Rapids, Mich.
IDEAL air tight heaters & gas and oil stove ovens—A. Geisel Mfg. Co., 219 S. 2nd, St. Louis, Mo.
IDEAL annunicators—Engineering Products Co., 40 Goldsmith av, Detroit, Mich.
IDEAL auto stools—Bryan Novelty Mfg. Co., Bryan, Ohio
IDEAL babbitt metal—Allen-Murphy Co., 125 W. 46th pl., Chicago, Ill.
IDEAL barrows—Phillips, Doup Co., 60 Pearl, Brooklyn, N. Y.
IDEAL bath brushes—Standard Brush Co., New Hartford, Conn.
IDEAL bed side tables—Walker Bros. Co., Syracuse, N. Y.
IDEAL bed springs—Foster Bros. Mfg. Co., Utica, N. Y.
IDEAL belt fasteners—Hudson Belt Fastener Co., 149 Church, New York
IDEAL bench drilling machines—Strong, Carlisle & Hammond Co., 336 Frankfort av, Cleveland, Ohio
IDEAL bread & pastry boards—Imperial Mfg. Co., Cambridge, Ohio
IDEAL blanket pins—F. E. Kohler Co., Canton, Ohio
IDEAL brake shoes—Spear & Miller Co., 80 E. Jackson blvd., Chicago, Ill.
IDEAL broom holders—Franklin Brass Foundry Co., Reading, Pa.
IDEAL can openers—Hamblin & Russell Mfg. Co., Worcester, Mass.
IDEAL can openers—Parker Wire Goods Co., Worcester, Mass.
IDEAL candy wrapping machines—Ideal Wrapping Machine Co., Middletown, N. Y.
IDEAL car trucks—J. G. Brill Co., 62nd & Woodland av, Phila., Pa.
IDEAL carbon paper & typewriter ribbons—Carter's Ink Co., E. Cambridge, Boston, Mass.
IDEAL carriage fasteners—C. Cowles & Co., New Haven, Conn.

**IDEAL** cement & wall plaster—Colorado Portland Cement Co., Denver, Colo.
**IDEAL** chain adjusters, feed cutters, root cutters, grain lifter guards—Frank Hamachek, Kewaunee, Wis.
**IDEAL** chain & pipe tongs, wrenches—Kroeschell Bros. Co., 440 W. Erie, Chicago, Ill.
**IDEAL** china painters palettes—Stirrup Mfg. Co., Inc., Market, Newark, N. J.
**IDEAL** coffee percolators, enameled ware, cuspidors, ice cream freezers—New England Enameling Co., Middletown, Conn.
**IDEAL** coffee percolators, fireless & steam cookers, roasters & baking pans & thermal bath cabinets —Toledo Cooker Co., Toledo, Ohio
**IDEAL** concrete building block machinery & concrete mixers—Ideal Concrete Machinery Co., 1346 Monmouth av., Cincinnati, Ohio
**IDEAL** concrete cars—Cement Tile Machy. Co., Waterloo, Ia.
**IDEAL** conductor pipe, rural mail boxes—Learn & Brindle, Columbus, Ohio
**IDEAL** copper-nickel wire—Electrical Alloy Co., Morristown, N. J.
**IDEAL** cotton duck looms—Stafford Co., Readville, Mass.
**IDEAL** currycombs—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
**IDEAL** curtain stretchers—John B. Davis, Clinton, Me.
**IDEAL** displaying racks—Weston Paper & Mfg. Co., Dayton, Ohio
**IDEAL** dog biscuits— M. F. Marx Mfg. Co., Louisville, Ky.
**IDEAL** drain tile machines—Farmers' Cement Tile Machine Co., St. Johns, Mich.
**IDEAL** electric drills, electric-driven saws, grinders, motor-driven screw drivers—Neil & Smith Electric Tool Co., 8th & B'way, Cincinnati, Ohio
**IDEAL** electrical generators—Ideal Electric & Mfg. Co., Mansfield, Ohio
**IDEAL** electric sad irons—Loetscher-Ryan Mfg. Co., Dubuque, Ia.
**IDEAL** elevator door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
**IDEAL** engine lathes—Springfield Machine Tool Co., Springfield, Ohio
**IDEAL** expanded metal lath—Youngstown Pressed Steel Co., Warren, Ohio
**IDEAL** expansion bolts & joints—Waring-Underwood Co., Commercial Trust bldg., Philadelphia, Pa.
**IDEAL** exploders—Hercules Powder Co., Wilmington, Del.
**IDEAL** extension ladders—Rich Pump Co., South & Depot, Cincinnati, Ohio.
**IDEAL** feed cookers—Star Tank Co., Goshen, Ind.
**IDEAL** finger nail clippers—General Phonograph Corp., 25 W. 45th, New York
**IDEAL** floor polishing brushes—Duncan Bros. & Wray Co., Ludlow Falls, Ohio
**IDEAL** floor scrubbers & window cleaners—W. J. Dennis & Co., 2120 Lake, Chicago, Ill.
**IDEAL** flue cutters & tube expanders—Gustav Wiedeke & Co., Dayton, Ohio
**IDEAL** fountain pens—L. E. Waterman Co., 191 Broadway, New York
**IDEAL** fruit jars—Ball Bros. Glass Mfg. Co., Muncie, Ind.
**IDEAL** gaff hooks—Redifor Rod & Reel Co., Warren, Ohio
**IDEAL** garden hose reels—Cardington Cabinet Co., Cardington, Ohio
**IDEAL** garden rakes—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
**IDEAL** gas engines, oil rig irons, well drilling machinery—Union Tool Co. Torrance, Cal.
**IDEAL** gas engines & gasoline hoists—Original Gas Engine Co., Lansing, Mich.
**IDEAL** gas ranges—Eriez Stove & Mfg. Co., Erie, Pa.
**IDEAL** gasoline hoists—Universal Hoist & Mfg. Co., Cedar Falls, Ia.
**IDEAL** grass catchers—R. F. Krause, Zion City, Ill.
**IDEAL** grass hooks—Wallingford Mfg. Co., Wallingford, Vt.
**IDEAL** grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
**IDEAL** hand pump—Deming Co., Salem, Ohio
**IDEAL** hardware specialties, feed grinding mills, flag poles, hot air registers, ice picks, soldering sets—Stover Mfg. & Engine Co., Freeport, Ill.
**IDEAL** hickory stick head rules—Smith & Phillips Mfg. Co., 1008 W. Madison, Chicago, Ill.
**IDEAL** hot air furnaces—Barber Mfg. Co., Ashtabula, Ohio
**IDEAL** hot air furnaces—Kansas City Furnace Co., 2429 Independence av, Kansas City, Mo.
**IDEAL** hunting knives—Marble Arms & Mfg. Co., Gladstone, Mich.
**IDEAL** ice cream freezers—Garden City Plating & Mfg. Co., 1430 S. Tallman, Chicago, Ill.
**IDEAL** ignition cable—Empire Tire & Rubber Corp., Trenton, N. J.
**IDEAL** kitchen sets—American Cutlery Co., 764 Mather, Chicago, Ill.
**IDEAL** lamp cord adjusters—Trumbull Electric Mfg. Co., Plainville, Conn.
**IDEAL** land & field rollers—Weaver & Co., New Oxford, Pa.
**IDEAL** lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
**IDEAL** lawn mowers—Ideal Power Lawn Mower Co., Lansing, Mich.
**IDEAL** lawn swings—Thornburgh Mfg. Co., Bowling Green, Ohio.
**IDEAL** lemon squeezers—A. C. Williams Co., Ravenna, Ohio
**IDEAL** maple flooring — I. Stephenson Co., Wells, Mich.
**IDEAL** massage vibrators, switchboards, electro-mechanical gongs—R. Haas Electric Mfg. Co., Springfield, Ill.
**IDEAL** medicine cabinets—Ideal Reversible Hinge & Cabinet Co., 3666 Park av, St. Louis, Mo.
**IDEAL** metal polish & stove polish—A. O. Bettes Mfg. Co., 1208 E. 12th, Kansas City, Mo.
**IDEAL** oil pump lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
**IDEAL** oil rig irons—Union Tool Co., Torrance, Cal.
**IDEAL** overhead washers—Gaylord Sanitary Mfg. Co., El Dorado, Kans.
**IDEAL** oxy-acetylene welding—General Welding Co., Hoboken, N. J.
**IDEAL** packing—Goetze Gasket & Packing Co., New Brunswick, N. J.
**IDEAL** packing—Ideal Metallic Packing Co., South Stillwater, Minn.
**IDEAL** packing & gaskets—General Asbestos & Rubber Co., Charleston, S. C.
**IDEAL** paper clips—Cushman & Denison Mfg. Co., 240 W. 23rd, New York
**IDEAL** paper clips—Noesting Pin Ticket Co. Inc., Mt. Vernon, N. Y.
**IDEAL** pasteurizers—U. S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.
**IDEAL** pipe clamps—Wm. Moll, 1660 Columbus, N. W., Cleveland, Ohio
**IDEAL** piston & valve rod packing & pump governors—Ideal Automatic Governor Co., 164 Emmet, Newark, N. J.
**IDEAL** pitching & counter-pressure beer raising machinery—H. Torchiani, 140 N. Dearborn, Chicago, Ill.
**IDEAL** plow coulters—Weyburn Co., Rockford, Ill.
**IDEAL** portable grain elevators—Luthy & Co., Peoria Ill.
**IDEAL** post caps—Jos. Stolz & Son, 841 E. 136th, New York
**IDEAL** post caps & bases—Ideal Hanger Co., Cleveland, Ohio
**IDEAL** pot cover repair knobs—Graham & Berwin, 107 Lafayette, New York
**IDEAL** pump valves & packing mfrs.—Lake Erie Mfg. Co., Buffalo, N. Y.
**IDEAL** push button floor treads—Renim Specialty Co., Brighton Station, Boston, Mass..
**IDEAL** reducing wheels—John S. Bushnell & Co., 146 Liberty, New York
**IDEAL** reducing wheels—Richard Thompson & Co., 126 Liberty, New York
**IDEAL** riveting machines, lawn mower sharpeners—Fate-Root-Heath Co., Plymouth, Ohio
**IDEAL** road scraping machines & graders & cast iron culverts—Galion Iron Works & Mfg. Co., Galion, Ohio
**IDEAL** rural mail boxes—C. G. Folsam Mfg. Co., South Bend, Ind.
**IDEAL** sad irons—Ideal Sad Iron Mfg. Co., 211 High, Cleveland, Ohio
**IDEAL** sash opening device—Payson Mfg. Co., 2918 W. Jackson blvd, Chicago, Ill.
**IDEAL** saw swages—E. C. Atkins & Co., Indianapolis, Ind.
**IDEAL** screw cutting dies—Ideal Tool & Mfg. Co., Beaver Falls, Pa.
**IDEAL** seed corn dryers & stock fountains—National Mfg. Co., Des Moines, Ia.
**IDEAL** seeders & sowers — Beaver Dam Mfg. Co., Beaver Dam, Wis.
**IDEAL** silos—Pacific Pipe & Steel Co., 318 Market, San Francisco, Cal.
**IDEAL** silos & steel tanks & towers—Bennett Bros. Co., Lowell, Mass.
**IDEAL** spark plugs—Ideal Switch & Machinery Co., Plainville, Conn.
**IDEAL** steam engines—A. L. Ide & Sons, Springfield, Ill.

IDEAL steam traps—Tillotson Humidifier Co., 78 Fountain, Providence, R. I.
IDEAL steam & hot water heaters, radiator valves & boilers—American Radiator Co., 830 S. Michigan av, Chicago, Ill.
IDEAL steel wool & shavings & abrasives—Am. Steel Wool Mfg. Co., 451 Greenwich, New York
IDEAL sylphon damper regulators, heat regulators pressure reducing valves—Fulton Co., Knoxville. Tenn.
IDEAL thumb tacks—Keuffel & Esser Co., Hoboken, N. J.
IDEAL tin oil pumps—R. E. Chapin Mfg. Works, Batavia, N. Y.
IDEAL tool racks — Angle Steel Tool Co., Otsego, Mich.
IDEAL towel racks—Taplin Mfg. Co., New Britain, Conn.
IDEAL towel racks—Wire Goods Co., Worcester, Mass.
IDEAL trolley catchers—Trolley Supply Co., Canton, Ohio
IDEAL trolley catchers & retrievers—Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
IDEAL troney harps—Lumen Bearing Co., Buffalo, N. Y.
IDEAL tube mill feeders—Abbe Engineering Co., 220 Broadway, N. Y.
IDEAL twine holders—Introstile Mfg. Co., Marietta, Ohio
IDEAL vacuum washer—Erie Metal Products Co., Erie, Pa.
IDEAL ventilating window sash—Leonard Sheet Metal Works, Hoboken, N. J.
IDEAL washing machine valves—McMaster-Carr Supply Co., 174 N. Market, Chicago, Ill.
IDEAL water closet bends—Ideal Mfg. Co., Franklin & Dubois, Detroit, Mich.
IDEAL whetstones—Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
IDEAL window ventilators—Ideal Ventilator Co., 99 Stewart, Providence, R. I.
IDEAL wire mats—Keystone Wire Matting Co., Beaver Falls, Pa.
IDEAL woven wire fences—Elliott & Reid Co., Richmond, Ind.
IDEAL CROWN bottle openers—Ryede Specialty Works, Rochester, N. Y.
IDEAL HEAT electric water heaters—Loetscher-Ryan Mfg. Co., Dubuque, Ia.
IDEAL SPECIAL electric elevator motors—Ideal Electric & Mfg. Co., Mansfield, Ohio
IDEAL SYPHON regulators—American Radiator Co., 820 S. Michigan av, Chicago, Ill.
IDEALITE sanitary flooring—Idealite Co., Cincinnati, Ohio
IDLE HOUR hammock—Excelsior Bag & Mfg. Co., Troy, N. Y.
IGARD gauge glass preservers—Gardner Grate Co., 21 Burgess, Boston, Mass.
ILANASILK cushions—Robinson-Roders Co., 27 N. J. R. R. av, Newark, N. J.
ILER cupel machines—Denver Fire Clay Co., Denver, Colo.
ILER pulverizing machinery—Iler Foundry & Mfg. Co., 6605 St. Clair, Cleveland, Ohio
ILIFFILI maps—John W. Iliff & Co., 54 W. Lake, Chicago, Ill.
ILLINOIS boiler compounds—Illinois Boiler Cleaning Compound Co., 1338 N. La Salle, Chicago, Ill.
ILLINOIS cottonseed oils—East St. Louis Cotton Oil Co., East St. Louis, Ill.
ILLINOIS drilling machines—Illinois Iron & Bolt Co., Carpentersville, Ill.
ILLINOIS grain drills—Peoria Drill & Seeder Co., Peoria, Ill.
ILLINOIS hay rack clamps—Louden Machinery Co., Fairfield, Ia.
ILLINOIS steam heaters—Illinois Malleable Iron Co., 1801 Diversey blvd. Chicago, Ill.
ILLINOIS valves—Illinois Engineering Co., W. 21st & S. Racine av, Chicago, Ill.
ILLINOIS valves—James P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
ILLMER gas engines—Reading Iron Co., Reading, Pa.
IMICO steam heaters, laundry stoves—Illinois Malleable Iron Co., 1801 Diversey blvd. Chicago, Ill.
IMP flattening stone—F. M. Souder, Millville, N. J.
IMP magnetos—Sumter Electrical Co., 1466 Michigan av, Chicago, Ill.
IMPACO paints—Imperial Paint Co., 80 10th, Long Island City, N. Y.
IMPERIAL adamant & wood fibre—George W. Pack & Son, Syracuse, N. Y.
IMPERIAL air valves, floor & ceiling plates—W. A. Russell & Co., 63 W. 37th, New York
IMPERIAL alfalfa cultivators & harrows, celery hillers, potato cutters & plows—Bucher & Gibbs Plow Co., Canton, Ohio
IMPERIAL asbestos pipe—H. F. Watson Co., Erie, Pa.
IMPERIAL automobile bumpers—L. P. Halladay Co., Streator, Ill.
IMPERIAL bath tubs—Kohler Co., Sheboygan, Wis.
IMPERIAL belt dressing—J. Bachmann & Co., 16 Reade, New York
IMPERIAL belting—Chicago Belting Co., 125 N. Green, Chicago, Ill.
IMPERIAL blotting paper—Standard Paper Mfg. Co., Hull & Canal, Richmond, Va.
IMPERIAL brass compression couplings, gasoline strainers, self-heating sad irons, pressure regulators—Imperial Brass Mfg. Co., 524 S. Racine av, Chicago, Ill.
IMPERIAL bridle bits, hame clips, hangers, hooks, snaps & lawn trimmers—Imperial Bit & Snap Co., Racine, Wis.
IMPERIAL burnishing, drying & polishing machines—Smith, Richardson Co., Attleboro, Mass.
IMPERIAL chain hoists—Franklin Moore Co., Winsted, Conn.
IMPERIAL chrome black—Chas. H. Reisig, 269 Water, New York
IMPERIAL deep well—F. E. Myers & Bros., Ashland, Ohio
IMPERIAL desk telephone brackets—Stanley & Patterson, 23 Murray, New York
IMPERIAL headlight, electric—Crouse, Hinds Co., Syracuse, N. Y.
IMPERIAL flue stops—Roseland Can & Specialty Co., Rockford, Ill.
IMPERIAL gas exhausters—Pratt Engineering & Machine Co., Atlanta, Ga.
IMPERIAL gasoline storage pumps & tanks—Climax Mach. & Burner Co., 133 3rd av, Newark, N. J.
IMPERIAL glue—Imperial Glue Co., Drumm, San Francisco, Cal.
IMPERIAL grain drills—La Crosse Plow Co., La Crosse, Wis.
IMPERIAL harness hooks—Wickwire Spencer Steel Corp., Worcester, Mass.
IMPERIAL hot air furnaces—Forest City Foundry & Mfg. Co., 2202 Elm av, Cleveland, Ohio
IMPERIAL hot water radiators—H. B. Smith Co., Westfield, Mass.
IMPERIAL hypodermic syringes & imperial needles—Randall-Falchney Co., Boston, Mass.
IMPERIAL lawn mowers—Coldwell Lawn Mower Co., Newburgh, N. Y.
IMPERIAL lawn sprinklers — American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
IMPERIAL lawn swings—Goshen Churn & Ladder Co., Goshen, Ind.
IMPERIAL leaded glass shades—Unique Art Glass & Metal Co., 105 Vanderveer, Brooklyn, N. Y.
IMPERIAL maple flooring—East Jordan Lumber Co., East Jordan, Mich.
IMPERIAL metal culverts—Dominion Metal Products Co., Roanoke, Va
IMPERIAL metal culverts—Florida Metal Product Co., Jacksonville, Fla.
IMPERIAL metal & stove polish & chloride of lime—Rath Mfg Co., Hedley E. of Richmond, Phila., Pa.
IMPERIAL mortar colors — Imperial Paint Co., 80 10th, Long Island City, N. Y.
IMPERIAL oil pumps & force feed lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
IMPERIAL packing, belting, cotton & rubber hose, deckle straps—Boston Belting Corp., 84 Linden Park st, Boston, Mass.
IMPERIAL padlocks—Slaymaker Lock Co., Lancaster, Pa.
IMPERIAL plaster & wall finish—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
IMPERIAL pneumatic tools, air hoists, air compressors, vacuum pumps—Ingersoll-Rand Co., 11 Broadway, New York
IMPERIAL prismatic glass — Pressed Prism Plate Glass Co., Morgantown, W. Va.
IMPERIAL pruning shears—Smith, Seymour & Son, Oakville, Conn.
IMPERIAL pumps—F. E. Myers & Bro., Ashland, Ohio
IMPERIAL rail benders—Hardsocg, Martin, Co., 922 South av, Pittsburgh, Pa.
IMPERIAL rubber coated cloth—Rosenwald & Weil, 1514 West Kinzie, Chicago, Ill.
IMPERIAL rubber tires, inner automobile tubes, tire vulcanizers—McGraw Tire & Rubber Co., East Palestine, Ohio.
IMPERIAL silk bolting cloth—Holmes & Blanchard, 31 State, Boston, Mass.
IMPERIAL spray nozzles—F. E. Myers & Bro., 900 4th, Ashland, Ohio

IMPERIAL steam & hot water heaters—Messinger Mfg. Co., Tatamy, Pa.
IMPERIAL steam & hot water heaters—Utica Heater Co., Utica, N. Y.
IMPERIAL tinware—Schlueter Mfg. Co., Broadway & John av, St. Louis, Mo.
IMPERIAL urinal stalls—J. L. Mott Iron Works, Trenton, N. J.
IMPERIAL ventilators—C. A. Weimer, Lorain, Ohio
IMPERIAL white lead—Robert Shoemaker & Co., 4th & Race, Phila., Pa.
IMPERIAL windmills—Mast, Foos & Co., Springfield, Ohio
IMPERIAL wire pullers—Wicke Tool Co., Downers Grove, Ill.
IMPERIAL BLUE granite—Woodbury Granite Co., Hardwick, Vt.
IMPERIAL CRYSTAL rolling pins—Imperial Mfg. Co., Cambridge, Ohio
IMPERIAL EXCELSIOR gas ranges—Isaac A. Sheppard & Co., Land Title bldg, Phila., Pa.
IMPERIAL 1910 clothes washing machines—Dayton Washington Machine & Motor Co., Dayton, Ohio
IMPERIAL STAR lubricating oils & greases—A. W. Harris & Co., 17 Battery pl, New York
IMPERIAL STEEL fire brick—Kentucky Fire Brick Co., Portsmouth, Ohio
IMPERIAL SUNSHINE steam heaters—Reading Scale & Machine Co., Reading, Pa.
IMPERIAL-WIXON tire air pumps—Imperial Brass Mfg. Co., 524 S. Racine, Chicago, Ill.
IMPERVIO water closet tanks—Trenton Potteries Co., Trenton, N. J.
IMPERVIOUS grate bar—Thomas Grate Bar Co., Birmingham, Ala.
IMPERVIOUS shingle stains—Vilas Bros., 717 S. 5th av, Chicago, Ill.
IMPERVITE waterproofing materials—Standard Paint Co., 233 Broadway, New York
IMPERVOL paint oil—Impervious Varnish Co., 421 Wood, Pittsburgh, Pa.
IMPREGNITE insulating varnishes—Standard Varnish Works, 90 West, New York
IMPROVED capital water power washer—Blackstone Mfg. Co., Jamestown, N. Y.
IMPROVED cyclone mechanical dust collectors—Western Blow Pipe & Sheet Metal Co., St. Louis, Mo.
IMPROVED dry batteries—Emil J. Tardie, 156 5th av, New York
IMPROVED engine lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
IMPROVED locksmith screw drivers—Braunsdorf-Mueller Co., Elizabeth, N. J.
IMPROVED ore feeders—Kennedy-Van Saun Mfg. & Eng. Corp., 120 B'way, New York
IMPROVED sight feed hand riveting machines—F. H. Smith Mfg. Co., 3047 Carroll av, Chicago, Ill.
IMPROVED DAISY cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
IMPROVED ELECTRIC sprinkler hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
IMPROVED EXCELSIOR fanning mills—A. P. Dickey Mfg. Co., Racine, Wis.
IMPROVED GIANT steam & hot water heaters—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162d, New York
IMPROVED H. & H. PATENT toggles—Hamblet & Hayes Co., 284 Devonshire, Boston, Mass.
IMPROVED HANDY furnace pipe & fittings—F. Meyer & Bro. Co., Peoria, Ill.
IMPROVED KITCHENER cast iron ranges—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
IMPROVED LOUISVILLE hand bottle filling machines—U. S. Bottlers' Machy. Co., 2511 Park, Chicago, Ill.
IMPROVED MARYLAND cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
IMPROVED MERIDIAN wheel garden hoes—Everts Mfg. Co., Meridian, N. Y.
IMPROVED MILITARY RIFLE NOS. 15, 16 & 18 powder—du Pont de Nemours & Co., E. I., Wilmington, Del.
IMPROVED MIRROR cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
IMPROVED MONITOR self-heating sad irons—Monitor Sad Iron Co., Big Prairie, Ohio
IMPROVED PACKARD vacuum pumps—Norman Hubbard's Sons, 265 Water, Brooklyn, N. Y.
IMPROVED PERFECT clinching hose menders & hose couplings—Peoria Can Co., Peoria, Ill.
IMPROVED PERKINS tack machinery & wire nail barbing machines—Henry Perkins Co., Bridgewater, Mass.
IMPROVED ROYAL rural mail boxes—Geo. B. Swan, Mattoon, Ill.
IMPROVED ST. LOUIS trolley wire picks-ups—Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
IMPROVED VICTOR incubators & brooders—Geo. Ertel Co., Quincy, Ill.
IN-A-JIFFY calculating machines—Voss Calculator Co., 6 N. Clark, Chicago, Ill.
INCA garden hose—Hewitt Rubber Co., Buffalo, N. Y.
INCINERITE garbage & refuse destroyer—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
INCOMPARABLE fluid & tinning solution—Reade Mfg. Co., Hoboken, N. J.
INDELIBLE cold water paints—Muralo Co., Richmond Ter., New Brighton, Borough of Richmond, New York
INDEPENDENCE felt, buffing & polishing wheels—Eastern Felt Co., Canal, Winchester, Mass.
INDEPENDENCE wood split pulleys—Dodge Sales & Engineering Co., Mishawaka, Ind.
INDEPENDENT cement plaster—Acme Cement Plaster Co., Frisco bldg., St. Louis, Mo.
INDEPENDENT gauges—National Gauge & Equipment Co., La Crosse, Wis.
INDEPENDENT mowers—Independent Harvester Co., Plano, Ill.
INDEPENDENT scythe snaths—Fenn Mfg. Co., Charlotte, Mich.
INDEPENDENT shade rollers—Ball Bearing Shade Roller Co., Naugatuck, Conn.
INDEPENDENT shaker screens—Morrow Mfg. Co., Wellston, Ohio
INDESTRUCTENE packing, polishing belts, rubber hose, thresher belting—Combination Rubber Mfg. Co., Bloomfield, N. J.
INDESTRUCTIBLE belting—Empire Tire & Rubber Mfg. Corp., Trenton, N. J.
INDESTRUCTIBLE blow-off valves & gauge cocks—A. W. Cadman Mfg. Co., 2814 Smallman, Pittsburgh, Pa.
INDESTRUCTIBLE packing—New York Belting & Packing Co., 91 Chambers, New York
INDESTRUCTIBLE tool handles—J. L. Osgood Tool Co., Buffalo, N. Y.
INDESTRUCTINE belting—Combination Rubber Mfg. Co., Bloomfield, N. J.
INDIA packing—A. W. Chesterton Co., 64 India, Boston, Mass.
INDIAN alarm clocks—E. Ingraham Co., Bristol, Conn.
INDIAN motor cycles—Hendee Mfg. Co., Springfield, Mass.
INDIAN oiled clothing—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
INDIAN wood preservatives—Indian Refining Co., 244 Madison av, New York
INDIANA blowers—Indiana Fan Co., 40 E. South, Indianapolis, Ind.
INDIANA cast wagon skeins—American Skein & Foundry Co., Racine, Wis.
INDIANA curb forms—Indiana Concrete Mold Co., Peru, Ind.
INDIANA farm tractors—Star Tractor Co., Findley, Ohio
INDIANA farm wagons—Indiana Wagon Co., Lafayette, Ind.
INDIANA grain drills—Rude Mfg. Co., Liberty, Ind.
INDIANA hard wood flooring—North Vernon Lumber Co., North Vernon, Ind.
INDIANA packing—Mulconroy Co., 54th & Jefferson, Philadelphia, Pa.
INDIANA woven wire fences—Kokomo Steel & Wire Co., Kokomo, Ind.
INDIANAPOLIS SANITARY kraut cutters—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
INDIAN BRAND manganese steel castings—Frog Switch & Mfg. Co., Carlisle, Pa.
INDIAN CHIEF blacksmiths' vises—Boker Cutlery & Hardware Co., 101 Duane, New York
INDIAN GIRL canoes—Rushton, Sidney P.
INDIAN HEAD bronze aluminum & white metal castings—Iroquois Foundries, Inc., 474 Genessee, Utica, N. Y.
INDIAN HEAD pot cover repair knobs—Graham & Berwin, 107 Lafayette, New York
INDIAN HEAD pressure gauges—National Gauge & Equipment Co., La Crosse, Wis.
INDIAN QUEEN gas ranges—Erie Stove & Mfg. Co., Erie, Pa.
INDIAN RIFLE powder (for export only)—du Pont de Nemours & Co., E. I., Wilmington, Del.
INDIAN TAN rawhide belting—Bay State Belting Co., 349 Congress, Boston, Mass.
INDICATING CALIPERS—Indicating Caliper Co., 596 E. 19th, New York.
INDISPENSABLE lathe dogs—Bonney Vise & Tool Works, Allentown, Pa.

INDIVIDUALITY electric illuminated signs—Greenwood Advertising Co., Knoxville, Tenn.
INDURITE liquid chemical hardener for floors—Ceresit Waterproofing Co., 110 S. Dearborn, Chicago, Ill.
INDRUROID asphalt roofing—H. F. Watson Co., Erie, Pa.
INDUSTRIAL gas engines—Industrial Iron Works, Clinton, Mo.
INDUSTRIAL sand blasting gloves—Hickory Steel Grip Glove Co., 2640 N. Maplewood av, Chicago, Ill.
INDUSTRIAL sickel grinders—National Dairy Machine Co., Goshen, Ind.
INFALLIBLE smokeless shotgun powders—Hercules Powder Co., Wilmington, Del.
INFUSO case & steel hardening—Steel Improvement & Forge Co., 5003 Windsor, Cleveland, Ohio
ING.-RICH porcelain enameled iron signs & specialties—Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
INGALLS tube scraper—A. W. Chesterton Co., 64 India, Boston, Mass.
INGALLS tube scraper—Worcester Brush & Scraper Co., Worcester, Mass.
INGECO gas, gasoline, oil & traction engines—Worthington Pump & Machy. Corp., 115 B'way, New York
INGERSOLL-ROGLER air compressors, vacuum pumps—Ingersoll-Rand Co., 11 Broadway, New York
INGHAM needle & shower baths & shower bath valves—Imperial Brass Mfg. Co., 524 S. Racine av, Chicago, Ill.
INGOT core wash—Smith Facing & Supply Co., 1857 Carter rd, Cleveland, Ohio
IN-LADE asphalt ready roofing—Amalgamated Roofing Co., 431 S. Dearborn, Chicago, Ill.
INLAND pig iron—Inland Steel Co., 1st Natl. Bank bldg, Chicago, Ill.
INNER DUCK belting—Hettrick Mfg. Co., Toledo, Ohio
INNERTEX waterproof belting—W. H. Salisbury & Co., 308 N. Madison, Chicago, Ill.
INNOVATE lamp cord adjusters—McGill Mfg. Co., Valparaiso, Ind.
IN POSITION cylinder re-boring—Ambrose Machine Co., 254 Eagle, Brooklyn, N. Y.
INSECT-I-SEE insecticides—Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
INSTANT paint & varnish remover—Perry-Austen Mfg. Co., Grasmere, S. I., N. Y.
INSTANTO photographic paper—Photo Products Co., 6100 S. La Salle, Chicago, Ill.
INSULA reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg., New York
INSULATE molded heat-proof insulation telephone mouthpieces & receiver shells—General Insulate Co., 1008 Atlantic av, Brooklyn, N. Y.
INSULECTRIC screw drivers—M. B. Tool Co., Danielson, Conn.
INSULITE waterproofing materials—Insulite Chemical Co., Aurora, Ill.
INTEGRAL waterproofing material—Integral Waterproofing Co., 80 Front, New York
INTERLAP buggy aprons—Vehicle Top & Supply Co., 3414 Lindell av, St. Louis, Mo.
INTERLOCKED iron & steel gratings—Mitchell-Tappen Co., 15 John, New York
INTERLOCKING padlocks—Slaymaker Lock Co., Lancaster, Pa.
INTERLOCKING wire stretchers—Interlocking Fence Co., Morton, Ill.
INTERLOX rules—Dahl Mfg. Co., 841 E. 136th, New York
INTERLOX MASTER slide rules—Master Rule Mfg. Co., Inc., 841 E. 136th, New York
INTERNATIONAL card time recorders—International Time Recording Co. of N. Y., Endicott, N. Y.
INTERNATIONAL core making & molding machinery—International Molding Machine Co., 2614 W. 16th, Chicago, Ill.
INTERNATIONAL cultivators, harrows, hay rakes tedders, stackers, loaders, corn planters, feed grinders, etc.—International Harvester Company (Inc.), Harvester bldg, Chicago, Ill.
INTERNATIONAL steel—International High Speed Steel Co., 99 Nassau, New York
INTERNATIONAL warm air furnaces & school room heaters—International Heater Co., Utica, N. Y.
INTERNATIONAL wood pulp grinders—Friction Pulley & Machine Works, Hudson Falls, N. Y
INTERNATIONAL BARONET hot air furnaces—International Heater Co., Utica, N. Y.
INTERNATIONAL CARTON hot air furnaces—International Heater Co., Utica, N. Y.
INTERNATIONAL COUNT hot air furnaces—International Heater Co., Utica, N. Y.
INTERNATIONAL CUTLERY shears & scissors—Hollinger Cutlery Co., Fremont, Ohio
INTERNATIONAL DUKE hot air furnaces—International Heater Co., Utica, N. Y.
INTERNATIONAL EARL hot air furnaces—International Heater Co., Utica, N. Y.
INTERNATIONAL ECONOMY steam heaters—International Heater Co., Utica, N. Y.
INTERNATIONAL ONEPIPE heater—International Heater Co., Utica, N. Y.
INTERNATIONAL PRINCESS hot air furnaces—International Heater Co., Utica, N. Y.
INTERTYPE type setting & type distributing machines—International Typesetting Machine Co., 50 Court, Brooklyn, N. Y.
INTER-URBAN railway spittoons—Indiana Mfg. Co., Jeffersonville, Ind.
INTERURBAN trolley wheels—Electrical Material Co., Chicago, Ill.
IN-THE-BOTTLE milk pasteurizing machines—Loew Mfg. Co., 9100 Madison av, N. W., Cleveland, Ohio
INTRA hack saw blades—H. Boker & Co., 101 Duane, New York
INTRA high-speed steel—H. Boker & Co., Inc., 101 Duane, New York
INVADER lubricating oils & greases—Invader Oil Co., 76 Pearl, New York.
INVADER oil well belting & sheet packing—Republic Rubber Co., Youngstown, Ohio
INVINCIBLE carving lathes—Valley City Machine Works, Grand Rapids, Mich.
INVINCIBLE cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
INVINCIBLE corn husking machines, grain dryers & graders, pea canners, grain clipping & packing machines—Invincible Grain Cleaner Co., Silver Creek, N. Y.
INVINCIBLE electric hair dryers—Camp Co., La Crosse, Wis.
INVINCIBLE elevator door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
INVINCIBLE full automatic hosiery—Jenckes Knitting Machine Co., Pawtucket, R. I.
INVINCIBLE garden cultivators—Am. Fork & Hoe Co., Swetland bldg, Cleveland, Ohio
INVINCIBLE oil pumps—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
INVINCIBLE lawn mokers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
INVINCIBLE post hole diggers—Eureka Digger Co., 227 W. Huron, Chicago, Ill.
INVINCIBLE post hole diggers—F. E. Kohler Co., Canton, Ohio.
INVINCIBLE potato planters—Wabers Mfg. Co., Racine, Wis.
INVINCIBLE rock drills, hand—Ingersoll-Rand Co., 11 B'way, New York
INVINCIBLE spark timers—C. F. Fulmer, Plainfield, N. J.
INVINCIBLE steam & hot water heaters—John A. Scollay (Est. of), 74 Myrtle av, Brooklyn, N. Y.
INVINCIBLE storage batteries—American Battery Co., 1134 Fulton, Chicago, Ill.
INVINCIBLE HELPER cotton mops—Eagle Specialty Co., Jamestown, N. Y.
INVISIBLE door checks & springs—Banker Mfg. Co., New Brunswick, N. J.
INVISIBLE roller window screens—Invisible Roll Screen Co., East av, Long Island City, L. I.
INVISIBLE weather strips—Chas. A. Freeman Mfg. Co., 294 Washington, Boston, Mass.
INVISIBLE wire coat & hat hooks—E. Jencks Mfg. Co., Worcester, Mass.
INVISIBLE JOINT sheet metal ceilings—Milwaukee Corrugating Co., Milwaukee, Wis.
INVO invoice winders—Forest City Machine Co., Rockford, Ill.
IOMAN illuminating glassware, etc.—Jefferson Glass Co., 5 S. Wabash av, Chicago, Ill.
IONA ventilators—Iona Ventilator Co., 2327 N. 29th, Phila., Pa.
IOWA barbed wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
IOWA corn brooms, dusters, mops & sweeping compounds—Hoag Duster Co., Monticello, Iowa.
IOWA ensilage cutters—Gould Balance Valve Co., Kellogg, Ia.
IOWA fire hydrants—Iowa Valve Co., Oskaloosa, Ia.
IOWA hay carriers—Louden Machinery Co., Fairfield, Ia.
IOWA lawn swings—Hay Tool Mfg. Co., Council Bluffs, Ia.
IOWA middle breakers—Parlin & Orendorff Co., Canton, Ill.
IOWA steam heaters—Seevers Mfg. Co., Oskaloosa, Ia.

IOWA stock fountains and float valves—Western Mfg. Co., Oskaloosa, Ia.
IOWA truck units—Iowa Motor Co., Ottumwa, Ia.
IOWA wall plaster—Plymouth Gypsum Co., Fort Dodge, Ia.
IOWANA pork products—Jacob E. Decker & Sons, Mason City, Ia.
IRCO stamp pads & stamp pad inks—Ink Ribbon Mfg. Co., 635 Howard, San Francisco, Cal.
IRELAND drop forged wrenches—Winchester Repeating Arms Co., New Haven, Conn.
IRELAND shingle mill machinery—Lyon Iron works, Greene, N. Y.
IRELAND wood sawing machines, sawmills & hoists—Ireland Mach. & Fdry. Co., Norwich, N. Y.
IRIDIUM babbitt metal—Merchant & Evans Co., Washington av & 21st, Phila., Pa.
IRIS water closets—Central Metal & Supply Co., 611 E. Lombard, Baltimore, Md.
IRON AGE agricultural implements, asparagus ridgers—Bateman Mfg. Co., Grenloch, N. J.
IRON CHINK fish dressing machines—Smith Cannery Machine Co., Seattle, Wash.
IRON CITY fibrous packing—Pittsburgh Steam Packing Co., 210 Second av, Pittsburgh, Pa.
IRON CLAD air drill and rubber hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
IRON CLAD alarm clocks—Western Clock Co., La Salle, Ill.
IRON CLAD cement—Glens Falls Portland Cement Co., Glens Falls, N. Y.
IRON CLAD corn ear crusher mills—Robinson Mfg. Co., Muncy, Pa.
IRON CLAD duplicators—Beck Duplicator Co., 476 B'way, New York
IRON CLAD gauge glass preservers—Sargent Co., 625 W. Jackson blvd, Chicago, Ill.
IRON CLAD incubators—Ironclad Incubator Co., Racine, Wis.
IRON CLAD lamp glass chimneys—Macbeth-Evans Glass Co., Pittsburgh, Pa.
IRON CLAD mortar hods—Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, Ohio
IRON CLAD silos—National Tank & Pipe Co., 275 Oak, Portland, Ore.
IRON CLAD white & red lead—Enterprise Paint Mfg. Co., 854 W. Vanburen, Chicago, Ill.
IRONCLAY fire flashed brick—Ironclay Brick Co., Columbus, Ohio
IRON GIANT stump pullers—Milne Mfg. Co., Monmouth, Ill.
IRONHIDE paints—Patton Paint Co., Milwaukee, Wis.
IRONHIDE scientific metal protective covering—Patton Paint Co., Milwaukee, Wis.
IRON HORSE ash sifters, ash & garbage cans, oil cans, baskets, buckets, hampers, hods, measures, pails, scoops, sieves, tubs & wash boilers, etc.—Rochester Can Co., Rochester, N. Y.
IRONITE concrete flooring—L. R. Gaidry, Title Guarantee bldg, New Orleans, La.
IRONITE drop wires—Paragon Electric Co., 37 W. Van Buren, Chicago, Ill.
IRONITE sanitary flooring & waterproofing materials—Ironite Co., 111 W. Washington, Chicago, Ill.
IRON KING cultivators, fertilizer drills, fertilizer distributors—C. W. Genung, Madison, Ohio
IRON KING tank heaters—Hunt, Helm, Ferris & Co., Harvard, Ill.
IRONOX paints—Armstrong Paint & Varnish Works, 2502 S. Paulina, Chicago, Ill.
IRONSIDES belt dressing, boiler compounds, gear & wire rope shield lubricants, wire & fibre rope filler coating—Ironsides Co., Columbus, Ohio
IRONSIDES press cloth—Fulton Bag & Cotton Mills, Atlanta, Ga.
IRONSIDES rubber belting—Quaker City Rubber Co., 629 Market, Philadelphia, Pa.
IRONWEAR rubber boots & shoes—J. E. Bates & Co., 202 Church, New York
IROQUOIS asphalt heaters & mixers, road scarifiers, sand & gravel heaters & dryers, steam road rollers, etc.—Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
IROQUOIS carbon paper—Corona Supply Co., Rochester, N. Y.
IROQUOIS reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg., New York.
IRVING'S Paradox inkstands & wells—Smith & Egge Mfg. Co., Bridgeport, Conn.
IRVINGTON insulating compounds & paper & oiled skin—Irvington Varnish & Insulator Co., Irvington, N. J.
IRVINGTON lineman's tools, pliers & nippers—Irvington Mfg. Co., Irvington, N. J.
IRWIN auger bits—Jackson Mfg. Co., Jackson, Ohio
IRWIN auger bits—Jas. Swan Co., Seymour, Conn.
IRWIN PATTERN auger bits—W. A. Ives Mfg. Co., Wallingford, Conn.
ISBELL frue vanners—Galigher Machinery Co., Salt Lake City, Utah
IS BOILER PROOF canners' inks—R. D. Swisher Mfg. Co., 413 S. Clinton, Chicago, Ill.
ISCO caustic soda, chlorine—Isco Chemical Co., 46 Cliff, New York
ISOLATOR garbage disposal plants—Buffalo Co-operative Stove Co., Buffalo, N. Y.
IT rat traps—Abingdon Trap Co., Abingdon, Ill.
ITHACA hammer & hammerless double shot guns—Ithaca Gun Co., Ithaca, N. Y.
IT'S A CORKER shoveling & end gate boards—Peoria Drill & Seeder Co., Peoria, Ill.
ITSAEZIE garment hangers—F. Lewald & Co., 500 S. Wells, Chicago, Ill.
IVANHOE self hardening steel—Henry Rossell, 24 S. Jefferson, Chicago, Ill.
IVENS pottery dies—W. H. Ivens Sons Co., P. O. Box 647, Trenton, N. J.
IVER JOHNSON bicycles, motor cycles & revolvers—Johnson's, Iver, Arms & Cycle Works, Fitchburg, Mass.
IVES bit braces, hollow augers, spoke trimmers, tap borers—W. A. Ives Mfg. Co., Wallingford, Conn.
IVORITE closet seats—Standard Sanitary Mfg. Co., Bessemer bldg, Pittsburgh, Pa.
IVOROID closet seats—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
IVOROID closet seats—Sanitary Specialty Co., 1836 E. Clearfield, Phila., Pa.
IVORY celluloid covered closet seats—Standard Tank & Seat Co., Camden, N. J.
IVORY cement plaster & wood fibre & white trowel plaster & wall finish, Keene's cement pottery, plaster, gypsum paper filler & hydrated lime—U. S. Gypsum Co., 205 W. Monroe, Chicago, Ill.
IVORY-PYRALIN ivory substitutes—The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.
IVORY rubber hose—Whitehead Bros. Rubber Co., Trenton, N. J.
IVORYLOID dice, dominoes & poker chips—Ivoryloid Co., Inc., 200 5th av, New York
IWANA hair belting—Fenwick Reddaway Mfg. Co., Newark, N. J.
IWAN PATTERN post hole augers—Eureka Digger Co., 227 W. Huron, Chicago, Ill.
IWAN'S post hole augers, hay knives, open back shovels—Iwan Bros., South Bend, Ind.
IWAN'S HERCULES post hole diggers—Iwan Bros., South Bend, Ind.
IWANTA gas sad irons—Strause Gas Iron Co., 1425 Vine, Phila., Pa.
IWANTA metal polish—Lincoln Fixture & Supply Co., Lincoln, Nebr.
J. locomotive oilers—Johnson Mfg. Co., Urbana, Ohio
J. A. J. rail bonds—Jamison Rail Bond & Elec'l Supply Co., Jenkins Arcade, Pittsburgh, Pa.
J. A. WESTON'S fire ladders—Portland Extn. Ladder & Pole Co., 130 Orange, Newark, N. J.
J. AMES knives—H. A. Lothrop & Co., Sharon, Mass.
J. B. DAVIS solar transits—J. C. Ulmer Co., E 38th & Kelly, Cleveland, Ohio
J. B. MILLER'S keyless locks—J. B. Miller Keyless Lock Co, Kent, Ohio
J-E-M shade holders—J-E-M Shade Holder Co., 221 W. 33rd, New York
J. G. globe valves—Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
J. G. C. spring hinges—Coleman Hardware Co., 220 S. Michigan av, Chicago, Ill.
J. H. automobile wind shields—Mutual Auto Accessories Co., 1777 B'way, New York
J. H. E. clothes lines—Estes Mills, Fall River, Mass.
J. H. MUNKTELL'S filter paper—E. H. Sargent & Co., 155 E. Superior, Chicago, Ill.
J. H. S. shock absorbers—J. H. Sager Co., Rochester, N. Y.
J. I. C. cedar pails & buckets—St. Louis Cooperage Co., ft. of Arsenal, St. Louis, Mo.
J. I. C. foundry pails—Richmond Cedar Works, Fulton, Richmond, Va.
J. I. C. pails & buckets—Lown & Son, Poughkeepsie, N. Y.
J. I. CASE stalk cutters—J. I. Case Plow Works, Racine, Wis.
J. J. DELEHANT'S keystone die stocks—Keystone Die Stock Co., 652 W. 47th, Chicago, Ill.
J. J. ELLIOTT English hall clocks—Harris & Harrington, 29 Park pl, New York
J. M. ALPHA insulating tapes & rubber splicing compounds—H. W. Johns-Manville Co., Madison av & 41st, New York
J. M. D. brattice cloth—Johnston-Morehouse-Dickey Co., 106 Market, Pittsburgh, Pa.

J. M. E. domestic gas irons—Central Flatiron Mfg. Co., Johnson City, N. Y.
J. M. magnesia, pipe covering, flexible metallic tubing & trolley line material—H. W. Johns-Manville Co., Madison av & 41st, New York
J. M. steel base upholstered chair seats—Lubbers & Bell Mfg. Co., Clinton, Ia.
J. P. harness snaps—East Bangor Mfg. Co., East Bangor, Pa.
J. P. BAKELITE insulating compounds—Johns-Pratt Co., Hartford, Conn.
J. R. C. pneumatic tires—Johnstown Rubber Co., Johnstown, Pa.
J. R. S. easy pipe cutters & sink brackets—Mechanicsville Specialty Supply Mfg. Co., Mechanicsville, N. Y.
J. R. S. Simplex lead traps, bends & ferrules—Mechanicsville Specialty Supply Mfg. Co., Mechanicsville, N. Y.
J. SANGER knives—H. A. Lothrop & Co., Sharon, Mass.
J. T. metal polish—J. T. Blair Co., Nashville, Tenn.
J. VAN RUYMBEKE'S for crude & refining—Wm. F. Jobbins, Inc., Aurora, Ill.
J-W-P & CO. sprue cutters—J. W. Paxson Co., 1021 N. Delaware, Phila., Pa.
J. & B. filing machines—Johnson & Biddle Tool Co., Elkhart, Ind.
J. & G. MFG. CO. carpenters' slicks & drawing knives & chisels—C. E. Jennings & Co., 71 Murray, New York
J. & L. special tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
JACK ANCHOR—guy anchors—W J. Jackman, Lima, Ohio
JACK BOY gasoline engines—Associated Mfrs. Co., Waterloo, Iowa
JACK FROST ice tongs—Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
JACK FROST water closets—A. Weiskittel & Sons Co., 12th & E. Lombard, Baltimore, Md.
JACKET faucet cans—Sexton Can Co., 123 Broad, Boston, Mass.
JACKET fire hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
JACKET steam heaters—Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
JACKHAMER rock drills—Ingersoll-Rand Co., 11 Broadway, New York
JACKLIFT elevating trucks—Lewis-Shepard Co., 577 E. 1st, Boston, 27, Mass.
JACKSON automobile truck trailers—Miles Co., Jackson, Mich.
JACKSON belt fasteners—Green, Tweed & Co., 109 Duane, New York
JACKSON belt fasteners—Rossendale-Reddaway Belting & Hose Co., Newark, N. J.
JACKSON belt fasteners—Sawyer Belt Hook Co., Pawtucket, R. I.
JACKSON belt lacing machines—Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
JACKSON chemical nozzles—Cornelius Callahan Co., 127 Purchase, Boston, Mass.
JACKSON churns—W. W. Babcock Co., Bath, N. Y.
JACKSON concrete carts—Jackson Mfg. Co., Harrisburg, Pa.
JACKSON electric portable drills—Ajax Electric Tool Co., Ludington, Mich.
JACKSON flue scrapers—James J. Keeley, Jackson, Mich.
JACKSON fly swatters—Lubbers & Bell Mfg. Co., Clinton, Ia.
JACKSON grapple forks—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
JACKSON hay forks—F. E. Myers & Bro., Ashland, Ohio
JACKSON levels—Joseph Woodwell Co., 207 Wood, Pittsburgh, Pa.
JACKSON locomotive oilers—J. W. Jackson, Sharpsville, Pa.
JACKSON sand reels—Masseth Packer & Machine Co., Butler, Pa.
JACKSON sugar cane strippers—American Mfg. Co., Chattanooga, Tenn.
JACKSON ventilating grates—Edwin A. Jackson & Bro., Inc., 50 Beekman, New York
JACKSON washing machines—Jackson Gas Engine Co., Jackson, Mich.
JACKSON wire fence machines & wire stretchers—Jackson Fence Co., Jackson, Mich.
JACKSTOPER rock drills—Ingersoll-Rand Co., 11 Broadway, New York
JACK WILSON slide valves—American Balance Valve Co., Jersey Shore, Pa.
JACO printing inks—Jaenecke-Ault Co., Newark, N. J.
JACOBI boat hooks—Chas. D. Durkee & Co., 2 South, New York
JACOBS drill chucks—Jacobs Mfg. Co., 894 Park, Hartford, Conn.
JACOBS feed water heaters—Charles Jacobs & Co., 258 Franklin, Boston, Mass.
JACOBS grease cups—Lindholm Metal Stamping Co., Camden, N. J.
JACOBSON automobile wind shields—Jacobson Bros., 254 Central, Newark, N. J.
JAEGER decorative electric lighting—Elux Miniature Lamp Division, 6 E. 39th, New York.
JA-GA-BI head tachometers—James G. Biddle, 1211 Arch, Phila., Pa.
JAHN steam engine governors—Massey Machine Co., Watertown, N. Y.
JAMACO closet seats—James Mfg. Co., Canton, Ohio
JAMBO hot water radiator valves—Alonzo H. Magee 136 Beekman, New York
JAMES harrows & pulverizers—Janesville Machine Co., Janesville, Wis.
JAMES iron fillers—Patton Paint Co., Milwaukee, Wis.
JAMES steel stable fixtures—James Mfg. Co., Fort Atkinson, Wis.
JAMES & GRAHAM farm wagons—James & Graham Wagon Co., Memphis, Tenn.
JAMESTOWN water cooling radiators & tractor radiators—Jamestown Car Parts & Mfg. Co., Jamestown, N. Y.
JANDUS electric ceiling fans—Adams-Bagnall Electric Co., Platt av, Cleveland, Ohio
JANDUS LUXOLABORA lamp posts—Adams-Bagnall Electric Co., Platt av, Cleveland, Ohio
JANESVILLE hay carriers—Strickler Hay Tool Co., Janesville, Wis.
JANESVILLE riding listers—Janesville Machine Co., Janesville, Wis.
JANET kitchen enamel ware—John Dunlap Co., Carnegie, Pa.
JANEWAY gas works apparatus—Phoenix Gas & Improvement Co., Harrison bldg, Phila., Pa.
JANNEY car couplers—McConway & Torley Co., 48th & A. V. R. R., Pittsburgh, Pa.
JANOS sheet packing—Feodor Burgmann, 26 Courtland, New York
JANSEN belt sanding machines—Curtis Machine Corp., Jamestown, N. Y.
JAP-A-LAC paints, wood fillers, floor finish & varnish—Glidden Co., Madison av & Berea rd, Cleveland, Ohio
JAPANESE furniture polish—World Polish Mfg. Co., York, Pa.
JAPANESE lawn sprinklers—American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
JAPANESE linen ledger paper—Crane Bros., Westfield, Mass.
JAPOLA furniture polish—Black Cat Polish Co., 34 Washington, Buffalo, N. Y.
JARDINE fireplace dampers—Walter S. Jardine & Sons Co., 29 Central Arlington Heights, Mass.
JARECKI pipe tongs, pipe vises, screw plates, die heads, street washers, valve and service boxes—Jarecki Mfg. Co., Erie, Pa.
JARECKI pipe vises—Oswego Tool Co., Oswego, N. Y.
JARRELL hand power punch & shear—Clark Foundry Co., Rumford, Me.
JARVIS ball drive tapping attachments—Charles L. Jarvis Co., Gildersleeve, Conn.
JARVIS feed & hay carriers & garden cultivators—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
JARVIS pumps & safety water columns—Jarvis Engine & Machine Works, Lansing, Mich.
JASON fly swatters—J. B. Timberlake & Sons, Jackson, Mich.
JASPER wall plaster—Fowler & Pay, Mankato, Minn.
JAX chemical engine hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
JAXON lamp brackets & potato bakers—J. B. Timberlake & Sons, Jackson, Mich.
JAYHAWK corrugated paper—Lawrence Paper Co., 151 Spring, New York
JAYHAWK corrugated packing paper & folding paper boxes—Lawrence Paper Mfg. Co., Lawrence, Kan.
JAYHAWK hay stackers, road scrapers & sweep rakes—F. Wyatt Mfg. Co., Salina, Kan.
JAYNES fixture insulating joints—Trumbull Electric Mfg. Co., Plainville, Conn.
JECTOR suction hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
JEFFERIS metallic lockers & steel factory bins—Richard W. Jefferis Co., Camden, N. J.
JEFFERSON couplings, union elbows, fittings, pipe flanges, tees & unions—Jefferson Union Co., Lexington, Mass.
JEFFERSON farm wagons—Vaughn Mfg. Co., Jefferson, Wis.
JEFFERSON illuminating glassware, etc.—Jefferson Glass Co., 5 S. Wabash av, Chicago, Ill.

JEFFERSON motor cycles—Waverly Mfg. Co., Jefferson, Wis.
JEFFERSON sash cords—J. E. Fricke Co., 247 Market, Phila., Pa.
JEFFREY elevating, conveying & power transmission machinery—Jeffrey Mfg. Co., Columbus, Ohio
JEFFREY'S marine glue—L. W. Ferdinand & Co., 154 Kneeland, Boston, Mass.
JEFFREY'S WATERPROOF LIQUID glue—L. W. Ferdinand & Co., 154 Kneeland, Boston, Mass.
JEM junction boxes—Barlow Foundry Co., 551 N. J. R. R. av, Newark, N. J.
JENARCO packing & gaskets—Jenkins Bros., 80 White, New York
JENKINS compressed asbestos jointing—Jenkins Bros., 80 White, New York
JENKINS sewage ejectors—Jenkings Mfg. Co., Bloomfield, N. J.
JENKINS sulphur apparatus—L. E. Knott Apparatus Co., 79 Amherst, Cambridge, Mass.
JENKINS valves, discs, packing & gaskets—Jenkins Bros., 80 White, New York
JENKINS DISC radiator corner valves—Buckeye Iron & Brass Works, Dayton, Ohio
JENKINS DISC radiator valves—Capitol Brass Works, 596 Franklin, Detroit, Mich.
JENKINS 96 packing—Jenkins Bros., 80 White, New York
JENKS electric lanterns—Jenks Lantern Co., 208 N. 5th av, Chicago, Ill.
JENKS window springs—Stanley Works, New Britain, Conn.
JENNE track jacks—Crerar, Adams & Co., 259 E. Erie, Chicago, Ill.
JENNEY variable speed motors—American Rotary Valve Co., Anderson, Ind.
JENNINGS auger & wood bits—Jas. Swan Co., Seymour, Conn.
JENNINGS gimlet bits—C. E. Jennings & Co., 71 Murray, New York
JENNINGS pumps & dredges—Jennings Pump & Dredge Co., 180 N. Dearborn, Chicago, Ill.
JENNINGS steam separators—Watson & McDaniel Co., 146 N. 7th, Phila., Pa.
JENNINGS wood boring tools—Connecticut Valley Mfg. Co., Centerbrook, Conn.
JENNISON radiator foot rests—Jennison Co., Fitchburg, Mass.
JENNY electric motors, buffing lathes—Arvac Mfg. Co., Anderson, Ind.
JENNY LIND stone polishing machinery—Concord Axle Co., Penacook, N. H.
JENNY LIND stone polishing machinery—St. Cloud Iron Works Co., St. Cloud, Minn.
JENSEN'S can filling machines—Seattle-Astoria Iron Works, Seattle, Wash.
JERGENS hand soap—Andrew Jergens Co., 599 B'way, New York
JERGUSON gauge glasses & water gauges—Jerguson Gage & Valve Co., Mystic av & Fellsway, Somerville, Mass.
JERICHO automobile horns—Randall-Faichney Co., Boston, Mass.
JERICO sledges—John Ernsdorff Iron Co., Dubuque, Ia.
JEROME packing—Jerome-Edwards Metallic Packing Co., 80 E. Jackson blvd., Chicago, Ill.
JERSEY copper wire cloth, wire netting, wire cloth—New Jersey Wire Cloth Co., Trenton, N. J.
JERSEY electric lamp hoods—National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
JERSEY QUEEN can filling machines—Sprague Canning Machinery Co., 222 N. Wabash av, Chicago, Ill.
JESCO metal polish—J. Eavenson & Son, Camden, N. J.
JESSOP'S tool steel—Wm. Jessop & Sons (Inc.), 91 John, New York
JESTER SACKETT fireproof partitions—U. S. Gypsum Co., 205 W. Monroe, Chicago, Ill.
JET black paints—Great Lakes Refining Co., 5716 Euclid av, Cleveland, Ohio
JET-LAC air drying enamels—Hall-Thompson Co., Hartford, Conn.
JET OIL shoe polishes—S. M. Bixby & Co., 46th & 2nd av, Brooklyn, N. Y.
JEWEL bath water heaters—American Stove Co., 827 Chouteau av, St. Louis, Mo.
JEWEL combination water closets—Bowlus Mfg. Co., Springfield, Ohio
JEWEL felt, buffing & polishing wheels, marble & granite polishing wheels—Eastern Felt Co., Canal, Winchester, Mass.
JEWEL garden plows—Towers & Sullivan Mfg. Co., Rome, Ga.
JEWEL glassine paper—Warren Mfg. Co., 238 Broadway, New York
JEWEL harrows—South Bend Chilled Plow Co., South Bend, Ind.
JEWEL furniture polish, paint & varnish remover—Wadsworth-Howland Co., 225 N. Carpenter, Chicago, Ill.
JEWEL riding listers—Kingman Plow Co., Peoria, Ill.
JEWEL rubber horse shoe pads—Firestone Tire & Rubber Co., Akron, Ohio
JEWEL rural mail boxes—Peck, C. A. Hdwe Co., Berlin, Wis.
JEWEL sweeping compounds—Jewel Mfg. Co., 2863 W. 22d, Chicago, Ill.
JEWEL vertical engines—C. H. Dutton Co., Kalamazoo, Mich.
JEWELER hack saw blades—H. G. Thompson Son & Co., New Haven, Conn.
JEWELL ammeters & volmeters—Jewell Electrical Instrument Co., 810 W. Lake, Chicago, Ill.
JEWELL barn door latches—Peck, C. A. Hdwe Co., Berlin, Wis.
JEWELL corn & cob mills—Duplex Mfg. Co., Superior, Wis.
JEWELL garden cultivators—South Bend Chilled Plow Co., South Bend, Ind.
JEWELL gas stoves, gas heaters—American Stove Co., 827 Chouteau av, St. Louis, Mo.
JEWELL gasoline blow torches—Turner Brass Works, Sycamore, Ill.
JEWELL grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
JEWELL hay carriers—Louden Machinery Co., Fairfield, Ia.
JEWELL kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
JEWELL mica plugs—Pittsfield Spark Coil Co., Pittsfield, Mass.
JEWELL radiator valves—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
JEWELL seal presses—Sigwalt Mfg. Co., 3658 Armitage, Chicago, Ill.
JEWETT car gates & guards & truck units—Jewett Car Co., Newark, Ohio
JEWETT kitchen enameled ware—Jewett Stamping & Enameling Co., Jewett, Ohio
JEWETT stoves—Jewett & Co., Buffalo, N. Y.
JEWETT water coolers—Buffalo Mfg. Co., Buffalo, N. Y.
JIANT bean harvesters & cultivators—Donaldson Bros., Mt. Clemens, Mich.
JIFFY bushings—New Process Specialty Co., 230 Hanover, Milwaukee, Wis.
JIFFY fire hose racks—Jiffy Fire Hose Rack Co., 727 7th av, New York
JIFFY package sealing machines—Anthony Eisler & Co., 227 Canal, New York
JIFFY postmarking devices—Columbia Postal Supply Co., Silver Creek, N. Y.
JIFFY storm sash hangers & screen door hinges—Rock City Mfg. Co., Wabash, Ind.
JIFFY BILT portable fireproof garages—Martin Steel Products Co., Mansfield, Ohio
JIM CROW rail benders—Aldon Co., 3338 W. Ravenswood av, Chicago, Ill.
JIM CROW rail benders—Buda Co., Railway Exchange bldg, Chicago, Ill.
JIM CROW rail benders—Pittsburgh Trolley Pole & Forge Co., 117 Water, Pittsburgh, Pa.
JIM CROW rail benders—Union Drop Forge Co., 358 W. Grand av, Chicago, Ill.
JIM DANDY dressing & belt lacing—Pechin belting Co., 700 N. Front, Phila., Pa.
JIM DANDY fish bait—Wise Sportsman's Supply Co., 15 E. Lake, Chicago, Ill.
JITNEY automobile bells—Frank Mossberg Co., Attleboro, Mass.
JOB cotton seed hullers—French Oil Mill Machinery Co., Piqua, Ohio
JOCKEY horse brushes—Standard Brush Co., New Hartford, Conn.
JOCKY neck yokes—C. Prouty & Co., Eldred, Pa.
JOE'S friction clutches & reversing marine gears & safety starters—Snow & Petrelli Mfg. Co., New Haven, Conn.
JOHANSSON adjustable limit plug & snap gauges—C. E. Johansson, Inc., Poughkeepsie, N. Y.
JOHANSSON measuring gauges—Swedish Gauge Co., 245 W. 55th, New York
JOHN DEERE agricultural implements, harrow carts—Deere & Co., Moline, Ill.
JOHN DEERE spring corn shellers & manure spreaders—Marseilles Wks. of Deere & Co., East Moline, Ill.
JOHN GLOVER steam traps—Glover Bros., Paul & Vandyke, Philadelphia, Pa.
JOHN J. CLARK'S spool cotton threads—Blodgett & Orswell Co., Pawtucket, R. I.

JOHN NICHOL'S harness awls—John Thornton, Jr., 108 Worth, New York
JOHN O'LAUGHLIN'S cylindrical screens—Johnston & Chapman Co., 2925 Carroll av, Chicago, Ill.
JNO. WILSON'S butchers' knives—Boker Cutlery & Hardware Co., Inc., 101 Duane, New York
JOHNNY BOY gasoline engines—Associated Mfrs. Co., Waterloo, Iowa.
JOHNS-MANSVILLE asbestos & allied products—H. W. Johns-Manville Co., Madison av & 41st, New York
JOHNSON bilge pumps—Wickwire Steel Corp., Worcester, Mass.
JOHNSON coin counting machines—Johnson Coin Counting Machine Co., 237 Lafayette, New York
JOHNSON cutting-off tools—Pratt & Whitney Co., Hartford, Conn.
JOHNSON fanning mills—Belcher & Taylor Agric. Tool Co., Chicopee Falls, Mass.
JOHNSON fare boxes—Johnson Fare Box Co., 236 S. Robey, Chicago, Ill.
JOHNSON friction & gas engine clutches & reversing marine gears—Johnson Carlyle Machine Co., Manchester, Conn.
JOHNSON fuel oil burners—S. T. Johnson Co., 1334 Mission, San Francisco, Cal.
JOHNSON barrow carts—Madison Plow Co., Milwaukee, Wis.
JOHNSON hopper doors—Industrial Supply & Equipment Co., 407 Samson, Phila., Pa.
JOHNSON humidifying apparatus regulators & valves—Johnson Service Co., 149 Michigan, Milwaukee, Wis.
JOHNSON marking gauges—E. P. Johnson Rule Mfg. Co., 565 Washington blvd, Chicago, Ill.
JOHNSON road oilers—Wm. F. Irish Elec. Supplies, 130 W. 32d, New York
JOHNSON steel, anti-rattlers—Bauer Bros. Mfg. Co., Richmond & Carr, Cincinnati, Ohio
JOHNSON tackle boxes & trayless fishing tackle boxes—Merriam Mfg. Co., Durham, Conn.
JOHNSON well screens—E. E. Johnson, St. Paul, Minn.
JOHNSON'S duck decoys—Wm. R. Johnson, Seattle, Wash.
JOHNSON'S floor finish—S. C. Johnson & Son, Racine, Wis.
JOHNSON'S fuel oil—S. T. Johnson Co., 1334 Mission, San Francisco, Cal.
JOHNSON'S packing & gum gaskets—H. Johnson Co., ft. Gates av, Jersey City, N. J.
JOHNSON TRAYLESS fishing tackle boxes—Merriam Mfg. Co., Durham, Conn.
JOHNSTON cloth dryers—Utica Novelty & Mill Specialty Co., Utica, N. Y.
JOHNSTON corn binders, mowers & binder covers—Massey-Harris Harvester Co., Batavia, N. Y.
JOHNSTON pipe wrenches—F. Pfeifer, 97 Reade, New York
JOHNSTON road oilers—Standard Mfg. Co., Worcester, Mass.
JOHNSTON CONTINENTAL reapers—Massey-Harris Harvester Co., Batavia, N. Y.
JOHNSTONE blow-off cocks & valves—Crosby Steam Gage & Valve Co., 40 Central, Boston, Mass.
JOINTITE pipe joint cements—Pacific Flush Tank Co., 4241 Ravenswood av, Chicago, Ill.
JOINTITE pipe joint compounds—Marbleoid Co., 47 W. 34th, New York
JOKER clasps key rings—Browne & Dowd Mfg. Co., Meriden, Conn.
JONES belt fasteners—Greene, Tweed & Co., 109 Duane, New York
JONES belt fasteners—Jewell Belting Co., Hartford, Conn.
JONES car doors & fittings—Jones Car Door Co., Monadnock blk, Chicago, Ill.
JONES cold storage doors—Jamison Cold Storage Door Co., Hagerstown, Md.
JONES end cutting nippers & hoof parers—Eli Jones & Sons, Luverne, Minn.
JONES flexible couplings—W. A. Jones Foundry & Machine Co., 4401 W. 12th, Chicago, Ill.
JONES harness snaps—Frazer & Jones Co., Syracuse, N. Y.
JONES improved loose leaf devices—Wilson, Jones Loose Leaf Co., 3300 Franklin blvd, Chicago, Ill.
JONES jet photometers—Connelly Iron Sponge & Governor Co., 227 Fulton, New York
JONES light switchboards—Krantz Mfg. Co., 160 7th, Brooklyn, N. Y.
JONES machinery guards and safety devices—Acme Guard Co., 150 Nassau, New York
JONES accident preventers, machinery guards & safety devices—Lockhart-Hodge Co., Inc., 12 Waverly, Buffalo, N. Y.
JONES mine rachet drills—Jones Machine Co., Chattanooga, Tenn.
JONES minnow buckets—Deshler Mail Box Co., Deshler, Ohio
JONES ore samplers—Denver Fire Clay Co., Denver, Colo.
JONES pipe hangers—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
JONES pneumatic signals—American Safety Lamp & Mine Co., Scranton, Pa.
JONES portable grain elevators—Fremont Mfg. Co., Fremont, Neb.
JONES speedometers—Jones Speedometer Co., 590 Jackson av, Brooklyn, N. Y.
JONES steam traps—Glover Bros., Paul & Vandyke, Philadelphia, Pa.
JONES underfeed mechanical stokers—Under Feed Stoker Co., 111 W. Monroe, Chicago, Ill.
JONES ventilating registers—U. S. Register Co., Ltd., Battle Creek, Mich.
JONES PEERLESS car doors & fittings—Jones Car Door Co., Monadnock blk, Chicago, Ill.
JORGENSON adjustable screw clamps & hand screws—Adjustable Clamp Co., 216 N. Jefferson, Chicago, Ill.
JOSEPH grease cups—Lindholm Metal Stamping Co., Camden, N. J.
JOSEPH JEFFERSON fish line—Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
JOSEPH SYKES BROS. card clothing—Leigh & Butler, 232 Summer, Boston, Mass.
JOSLIN time stamps—A. D. Joslin Mfg. Co., 223 W. Erie, Chicago, Ill.
JOST-HORN switches—Frank W. Morse, 289 Congress, Boston, Mass.
JOURNAL COMPOUND lubricating oils—Wm. C. Robinson & Son Co., 32 South, Baltimore, Md.
JOVE fire alarm signal boxes—J. H. Bunnell Co., 32 Park pl, New York
JOY pneumatic hose couplings—H. D. Edwards Co., 16 Woodward av, Detroit, Mich.
JOYCE track lifting jacks—Joyce-Cridland Co., Dayton, Ohio
JUBILEE automobile horns—Randall-Faichney Co., Boston, Mass.
JUBILEE hand carts—Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
JUDSEN rubber horse shoe pads—Carl A. Judsen, 214 W. Erie, Chicago, Ill.
JU JU children's vehicles—Dean & Williams, 4317 Elston av, Chicago, Ill.
JULIAN gold seals and gummed labels—Milwaukee Label & Seal Co., 161 Milwaukee, Milwaukee, Wis.
JUMBO air valves, floor & ceiling plates, heating thermometers—Magee Steam Specialty Corp., 136 Beekman, New York
JUMBO beam clamps, pipe hangers, radiator & float valves—Beaton & Cadwell Mfg. Co., New Britain, Conn.
JUMBO box board machines—Peter Gerlach Co., 1712 Winter, Cleveland, Ohio
JUMBO door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
JUMBO feed grinding mills—Wolf Co., Chambersburg, Pa.
JUMBO lawn rakes—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
JUMBO gas engines—Harrison Machine Works, Belleville, Ill.
JUMBO gas & steam engines—Nelson Bros. Co., Saginaw, Mich.
JUMBO glass insulator—Brookfield Glass Co., 2 Rector, New York
JUMBO ice shavers, ice cube cutting machines—Reinhold Mfg. Co., 139 Beaubien, Detroit, Mich.
JUMBO insect guns—Thos. W. Houchin Co., 36 E. 12th, New York
JUMBO land plaster fertilizer—United States Gypsum Co., Plasterco, Va.
JUMBO load, log or lumber binders—Eugene Stacy, Tiffin, Ohio
JUMBO nail pullers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
JUMBO natural gas burners—D. M. Steward Mfg. Co., Chattanooga, Tenn.
JUMBO oil & grease guns—E. Edelmann & Co., 341 E. Ohio, Chicago, Ill.
JUMBO steam engines—Superior Shipbuilding Co., Superior, Wis.
JUMBO stump pullers—C. D. Edwards, Albert Lea, Minn.
JUMBO sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
JUMBO tong bits—Chas. N. Hough Mfg. Co., Franklin, Pa.
JUMBO well buckets—Richmond Cedar Works, Fulton, Richmond, Va.
JUMBO WHEEL toys, games & novelties—Geo. H. Bowman Co., 224 Euclid av, Cleveland, Ohio

JUMPER dumb waiters—J. G. Speidel, Reading, Pa.
JUMPHLANE spark coils—Autocoil Co., 136 7th, Jersey City, N. J.
JUNIATA kitchen enameled ware—Belmont Stamping & Enameling Co., New Phila., Ohio
JUNIOR adjustable wrenches—Frank Mossberg Co., Attleboro, Mass.
JUNIOR canvas stitched belting—Boston Woven Hose & Rubber Co., Cambridge, Mass.
JUNIOR engine lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
JUNIOR gang saw edgers—American Sawmill Machinery Co., Hackettstown, N. J.
JUNIOR incandescent gas mantles—Eclipse Light Co., 583 B'way, New York
JUNIOR steam heaters—Herbert Boiler Co., 140 Root, Chicago, Ill.
JUNIOR steam heaters—Pittsburgh Water Heater Co., 610 Jenkins bldg, Pittsburgh, Pa.
JUNIOR EMPIRE barrel spray pumps—Field Force Pump Co., Elmira, N. Y.
JR. GASOMETER indicators—Ritz-Woller Oliver Co., 166 W. Lake, Chicago, Ill.
JUNIOR LEADER orchard sprayer—Field Force Pump Co., Elmira, N. Y.
JUNIOR MONARCH hay presses—Junior Monarch Hay Press Co., San Leandro, Cal.
JUNITA steel toe-calks—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
JUNKERS calorimeters—American Meter Co., 3112 N. 17th, Phila., Pa.
JUNO battery motors—Davis Kendrick Co., Lebanon, N. H.
JUNO rubber hose—Whitehead Bros. Rubber Co., Trenton, N. J.
JUPITER belt driver, electric light and power plants, electric lighting generators & electric power generators—Dealers Elec. Light Co., 500 E 40th, Chicago, Ill.
JUPITER boiler—Godfrey Keller Co., 70 Warren, New York
JUPITER electric light & power plants, elec. generators, switchboards—Perfection Storage Battery Co., 500 E 40th, Chicago, Ill.
JUPITER flaming arc lamps—Felix Hamburger, 44 E. 23rd, New York
JUPITER padlock locks—U. S. Lock & H'dwe Co., Columbia, Pa.
JUST RIGHT metallic shingles—Moeschl-Edwards Corrugating Co., Covington, Ky.
JUST-THE-THING fruit strainers—Tate Mfg. Co., 48 Hanover, Boston, Mass.
JUSTICE brick dryers—Manufacturers Equipment Co., Dayton, Ohio
JUSTICE power hammers, spike pullers—Philip S. Justice & Co., 421 Chestnut, Phila., Pa.
JUSTRITE ash & garbage cans, acetylene mine lamps & fire extinguishers—Justrite Mfg. Co., 2061 Southport av, Chicago, Ill.
JUSTRITE plow blade sharpeners—Strite Governor Pulley Co., Minneapolis, Minn.
JUSTRITE spray nozzle—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
JYPCO electric gas lighting burners—Jno. Y. Parke & Co., 29 N 7th, Phila., Pa.
K. adjustable wrenches—Frank Mossberg Co., Attleboro, Mass.
K filterine & water filters—Filtrine Mfg. Co., 53 Lexington av, Brooklyn, N. Y.
K. A. C. auto grease—Columbia Refining Co., 90 West, New York
K. B. crown crucible clays—Anthony Meng & Co., 17 S. Front, Phila., Pa.
K. C. gas engines—Kansas City Hay Press Co., Kansas City, Mo.
K. C. JR. gas engines—Kansas City Hay Press Co., Kansas City, Mo.
K.-D. electro plating dynamos, jewelers' counterbores, medical batteries—Kendrick-Davis Co., Lebanon, N. H.
K. D. feed cutters—Geo. S. Comstock & Son, Mechanicsburg, Pa.
K.-D. galvanized culvert iron tanks, iron flumes—Harry Bros. Co., Carr & I. C. R. R., New Orleans, La.
K. E. electric fuses—Kirkman Engineering Corp., 237 Lafayette, New York
K. I. trolley wire splicers—Electric Railway Equipment Co., Cincinnati, Ohio
K. K. laboratory flotation machinery & oil feeders—Braun Corp., 363 New High, Los Angeles, Cal.
K. K. weatherproof wire—American Brass Co., Waterbury, Conn.
K.-K. x-ray apparatus—Kelley-Koett Mfg. Co., Covington, Ky.
K-P piston rings—Keys Piston Ring Co., 3049 Olive, St. Louis, Mo.
K.-T. tank heaters—Kelly Foundry & Machine Co., Goshen, Ind.
K-V check valves—Max Machine Co., Clinton, Mass.
K. V. A. transformer for moving picture lamps—J. H. Hallberg, 1604 B'way, New York
K-W electric rosettes—Bryant Electric Co., Bridgeport, Conn.
K. W. fuse rosettes—Arrow Electric Co., Hartford, Conn.
K. W. incandescent cut-outs—H. T. Paiste Co., 3201 Arch, Phila., Pa.
K. & B. wrenches, linemen's climbers, hand vises, tack hammers—Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
K. & C. cement—Missouri Portland Cement Co., Post Despatch bldg, St. Louis, Mo.
K. & D. screw drivers, battery motors, gas igniters, jewelers' vises—Kendrick-Davis Co., Lebanon, N. H.
K. & H. portable grain elevators—King & Hamilton Co., Ottawa, Ill.
K. & J. air dump cars—Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
K. & J. expansion joints, chime whistles & bean clamps—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
K. & M. steam clocks & valves—Kinsey & Mahler Co., Peoria, Ill.
K. & P. glaziers' putty—Kent & Purdy Paint Co., 307 N Main, St. Louis, Mo.
K. & R. tire upsetters—Kane & Roach, Syracuse, N. Y.
K. & T. valves, pressure regulators, pump governors, steam traps—Klipfel Mfg. Co., 2651 W. Harrison, Chicago, Ill.
KABLAK insulating cloth, paper, tape—Mica Insulator Co., 68 Church, New York
KAESTNER malt mills—Kaestner & Hecht Co., 500 Throop, Chicago, Ill.
KA-HA-CO automobile horns—Kales Stamping Co., 443 Lafayette, Detroit, Mich.
KAHLENBERG kerosene oil engines—Kahlenberg Bros. Co., Two Rivers, Wis.
KAHN concrete inserts, post caps & bases—Truscon Steel Co., Youngstown, Ohio
KAISER farm boilers—Bovee Furnace Works, Waterloo, Ia.
KAISER metal polish—Borsum Bros., 227 Fulton, New York
KALAMAZOO gas ranges—Kalamazoo Stove Co., Kalamazoo, Mich.
KALAMAZOO hand car wheels—Kalamazoo Railway Supply Co., Kalamazoo, Mich.
KALAMAZOO hoes—Union Fork & Hoe Co., Columbus, Ohio
KALAMAZOO sickle grinders—Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
KALAMAZOO trolley harps & wheels—Star Brass Works, Kalamazoo, Mich.
KALLIGRAINE transfer graining paper—Emil Majert Co., 9 E. 37th, New York
KALLITH lepidolite—B. F. Drakenfeld & Co., 50 Murray, New York
KALLOITE wall plaster—Cardiff Gypsum Plaster Co., Fort Dodge, Ia.
KALORIC sheet packing—Quaker City Rubber Co., 629 Market, Phila., Pa.
KALUX for tempering & hardening steel tools—Metal Hardening Solution Co., Rochester, N. Y.
KAMAH automobile wind shields—Stewart-Carey Glass Co., Indianapolis, Ind.
KAMBRO set-in-rubber brushes—Kample Bros., 330 Atlantic av, Brooklyn, N. Y.
KAMLEE automobile trunks—Kamlee Co., 448 E. Water, Milwaukee, Wis.
KAMP KOMFORT heaters & stoves—A. C. Kraft, 323 W. Lake, Chicago, Ill.
KAMPKOOK stoves—Am. Gas Mach. Co., 78 Reade, New York
KAMP KOOK'S KIT cooking outfits—A. C. Kraft, 323 W. Lake, Chicago, Ill.
KANAWHA bromide & chloride of calcium—Jno. Q. Dickinson & Co., Malden, W. Va.
KANAWHA chemical fire engines—James Boyd & Bro., 25th & Wharton, Phila., Pa.
KANAWHA mine ventilating fans—South Side Foundry & Machine Works, Charleston, W. Va.
KANE pipe hangers—Thos. Devlin Mfg. Co., 3rd & Lehigh av, Phila., Pa.
KANGAROO animal & game traps—Triumph Trap Co., Oneida, N. Y.
KANGAROO hand cars—Kangaroo Mfg. Co., 10 S. La Salle, Chicago, Ill.
KANISTEO rulers & yardsticks—Up-to-Date Adv. Co., Canisteo, N. Y.
KAN KUT can openers—Schatz Mfg. Co., Poughkeepsie, N. Y.

KANSAS CYCLONE molders' bellows—Thos. A. Clark, 5783 Side av, N. W., Cleveland, Ohio
KANT scratch fly swatters—Andrews Wire & Iron Works, Rockford, Ill.
KANTBEBEAT dry core compounds—S. Obermayer Co., 2563 W. 18th, Chicago, Ill.
KANTBERN asbestos pad physicians' electrodes—McIntosh Battery & Optical Co., 217 N Desplaines, Chicago, Ill.
KANT BLO automobile reliners—Hampton Mfg. Co., Indianapolis, Ind.
KANT-BLO-OFF tube cleaners—Chas. Nuhring & Bro., 1212 Walnut, Cincinnati, Ohio
KANTKINK flexible metallic hose—Goodyear Tire & Rubber Co., Akron, Ohio
KANT-KOROD paints—Pyramid Paint Co., 133 N. 22nd, Phila., Pa.
KANT-LEAK copper floats—Wolverine Brass Works, Grand Rapids, Mich.
KANT LEEK oil storage tanks—Milwaukee Tank Works, Fratney & Becker, Milwaukee, Wis.
KANTLEKE gas tubing—Chicago Tubing & Braiding Co., 216 N Clinton, Chicago, Ill.
KANT-MIS fly swatters—U. S. Wire Mat Co., Decatur, Ill.
KANTPICK sash locks—Frank F. Smith Hardware Co., 81 Clay, Newark, N. J.
KANTSLIP adjustable screw clamps hand screws, pulley covering—Kantslip Co., Freeport, Mich.
KANTSPLIT valve wheels—Holton-Abbott Mfg. Co., 59 Goram, West Somerville, Mass.
KANT-SUCK calf weaners—Imperial Bit & Snap Co., Racine, Wis.
KANT SUK calf weaners—Wagner Specialty Co., Burlington, Wis.
KAPAK elaterite roofing—Raven Mining Co., of Utah, Marquette, bldg., Chicago, Ill.
KAPPA incandescent cut-outs—Trumbull Electric Mfg. Co., Plainville, Conn.
KAPTAN steam hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
KARADAM hatchets—North Wayne Tool Co., Hallowell, Me.
KARBO disinfectants—Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
KARBO sickel grinders—Whitaker Mfg. Co., 409 S. Greene, Chicago, Ill.
KARBOL wood preservatives—L. Sonneborn Sons, 262 Pearl, New York
KARBONITE sheet packing—New York Belting & Packing Co., 91 Chambers, New York
KARBON KOTE carbon paints—Armstrong Paint & Varnish Works, 2502 S. Paulina, Chicago, Ill.
KARDEX filing cabinets—American Kardex Co., Tonawanda, N. Y.
KARGES farm wagons—Karges Wagon Co., Evansville, Ind.
KASENIT case hardening compounds—Kasenit Co., 11 Water, New York
KATAK boiler compound water purifier—Swan & Finch, 165 B'way, New York
KATZ hinges—Lawson Mfg. Co., 230 W. Superior, Chicago, Ill.
K-A-U-R-I varnish—Booden & Son, 245 N. 9th. Brooklyn, N. Y.
KAWALLE AUTOMATIC mitre boxes—Manumotor Co., Manitowoc, Wis.
KAWNEER steel mouldings, metallic window frame & sash rolled steel windows—Kawneer Mfg. Co., Niles, Mich.
KAZOO automobile jacks—National-Standard Co., Box 211, Niles, Mich.
KEARNEY & FOOT files—Nicholson File Co., Providence, R. I.
KEARSARGE asbesto-metallic packing & gaskets—H. W. Johns-Manville Co., Madison av & 41st, New York
KECO steel measuring tapes—Keuffel & Esser Co., Hoboken, N. J.
KEELER water tube boilers, steam & hot water heaters—E. Keeler Co., Williamsport, Pa.
KEE LOX carbon paper & typewriter ribbons—Kee Lox Mfg. Co., Rochester, N. Y.
KEENE'S windsor asbestos cements—J. B. King & Co., 17 State, New York
KEEN KUTTER razors, pocket knives—Simmons Hardware Co., 9th & Spruce, St. Louis, Mo.
KEEN O can openers, ice chisels—W. G. Browne Mfg. Co., Kingston, N. Y.
KEENOH razor stroppers—Keenoh Co., 82 First, Detroit, Mich.
KEEPDRY cloth lined waterproof wrapping—Angier Mills, Ashland, Mass.
KEEP KOOL cutting & drilling compounds—Phoenix Oil Co., 2554 W. 5th, Cleveland, Ohio
KEEPTITE packing—Crandall Packing Co., Palmyra, N. Y.



KEES furnace regulators, metal building corners—F. D. Kees Mfg. Co., Beatrice, Nebr.
KEES-GOSSETT storm sash hangers—F. D. Kees Mfg. Co., Beatrice, Neb.
KEGLER chain pumps—Ferguson Mfg. Co., Dubuque, Ia.
KEITH combination heaters—Keith Furnace Co., Des Moines, Ia.
KEITH sanitary drinking fountains—L. E. Knott Apparatus Co., 79 Amherst, Boston, Mass.
KEITH'S Boston bubbler drinking fountains—L. E. Knott Apparatus Co., 79 Amherst, Cambridge, Mass.
KELCO foundry facings—T. P. Kelly & Co., Inc., 355 W. 26th, New York
KELCO graphite, boiler compounds—Kelly Graphite Mills, 355 W. 26th, New York
KELLASTONE sanitary flooring—U. S. Kellastone Co., Chicago, Ill.
KELLASTONE sanitary flooring & stucco—National Kellastone Co., 5 S. Wabash av, Chicago, Ill.
KELLER assay balances—G. P. Keller, Salt Lake City, Utah.
KELLER axle cutters, farm wagons, lawn swings, pipe cutters—Keller Mfg. Co., Minneapolis, Minn
KELLERMAN chain tongs—Union Tool Co., Torrence, Cal.
KELLEY routing machines—Kelley Electric Machine Co., Buffalo, N. Y.
KELLEY DUPLEX sickle grinders—Duplex Mill & Mfg. Co., Springfield, Ohio
KELLOGG linseed base core oils—Kellogg, Spencer & Sons, Buffalo, N. Y.
KELLOGG pipe sleeves—New Brunswick Iron Works, New Brunswick, N. J.
KELLUM damper regulators—Hess & Barker, 618 Chestnut, Phila., Pa.
KELLY carpet vises—C. S. Osborne & Co., Box 183 Newark, N. J.
KELLY corn & cob mills, feed grinding mills—Duplex Mill & Mfg. Co., Springfield, Ohio
KELLY horizontal coal screens—Roberts & Schaefer Co., 332 S. Michigan av, Chicago, Ill.
KELLY pipe couplings—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
KELLY reamers & boring tools—Kelly Reamer Co., 1553 Columbus rd, Cleveland, Ohio.
KELLY water closets, stop & waste cocks—Thos. Kelly & Bros., 404 S. Kolmar av, Chicago, Ill.
KELLY, Jr. hollow augers—House Cold Tire Setter Co., 4143 Laclede, St. Louis, Mo.
KELLY PERFECT axe & scythe—Kelly Axe Mfg. Co., Charleston, W. Va.
KELLY-SPRINGFIELD road rollers—Buffalo Springfield Roller Co., Springfield, Ohio
KELLY-SPRINGFIELD rubber tires—Consolidated Rubber Tire Co., 200 W. 57th, New York
KELLY'S Albany stone jacks—L. J. Kelly Mfg. Co., Albany, N. Y.
KELMOR flushing valves—Single Faucet & Flush Valve Co., 617 W Jackson blvd, Chicago, Ill.
KELSEY hot air furnaces—Kelsey Heating Co., Syracuse, N. Y.
KELVIN galvanometers—Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
KELVINATOR refrigerating machinery—Kelvinator Corp., 621 W Fort, Detroit, Mich.
KEMP & BURPEE manure spreaders—Marseilles Wks. of Deere & Co., East Moline, Ill.
KEMP CLIMAX manure spreaders—N. J. Kemp Co., Batavia, N. Y.
KENCO battery motors & battery motor fans—Knapp Electric & Novelty Co., 511 W. 51st, New York
KENNEDY valve & hydrants—Kennedy Valve Mfg. Co., Elmira, N. Y.
KENEWA planes—Sargent & Co., New Haven, Conn.
KENNESAW marble—Georgia Marble Co., Tate, Ga.
KENNEY marine speedometers—Geo. E. Lawrence, Bullitt bldg., Philadelphia, Pa.
KENNY hub bands—Eastern Malleable Iron Co., Naugatuck, Conn.
KENNY marine indicators—American Speed Indicator Co., New London, Conn.
KENNYS scouring powder—J. T. Kenny & Co., St. Paul, Minn.
KENSINGTON journal boxes—Union Spring & Mfg. Co., 1211 Fulton bldg, Pittsburgh, Pa.
KENT battery motors, battery motor fans—Kendrick-Davis Co., Lebanon, N. H.
KENT hand corn planters—James Mfg. Co., Ft. Atkinson, Wis.
KENT smokeless furnaces—Power Specialty Co., 111 Broadway, New York
KENT vacuum cleaners & live stock vacuum groomers—Kent Vacuum Cleaner Co., Rome, N. Y.

KENTUCKO egg testers, incubator lamps, poultry fountains, rural mail boxes—Kentucky Stamping Co., Louisville, Ky.
KENTUCKY corn planters, grain drills, seeders, sowers—International Harvester Company of America (Inc.), Harvester bldg, Chicago, Ill.
KENTUCKY farm wagons—Kentucky Wagon Mfg Co., Louisville, Ky.
KENTUCKY fertilizer distributors—International Harvester Co. of Am., Inc., Harvester bldg, Chicago, Ill.
KENTUCKY gang press wheel attachments—American Seeding Machine Co., Springfield, Ohio.
KENTUCKY incandescent electric lamps—Kentucky Electrical Co., Owensboro, Ky.
KENTUCKY shovels, spades, & scoops—Owensboro Shovel & Tool Co., Owensboro, Ky.
KENTUCKY RIFLE black sporting powders—Du Pont de Nemours Powder Co. (E. I.), Wilmington, Del.
KENWOOD paper makers' felts, blankets, robes & sleeping bags—F. C. Huyck & Sons, Albany, N. Y.
KENYON corn crushers—Burgess-Norton Mfg. Co Geneva, Ill.
KERATOL artificial leather—Keratol Co., 348 Van Buren, Newark, N. J.
KERKNER alfalfa cultivators—Light Draft Harrow Co., Marshalltown, Ia.
KERNAL garden hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
KERNCHEN SIPHONAGE ventilator—Kernchen Company, 332 S. Michigan av, Chicago, Ill.
KERNEL walking & riding cultivators—Kingman Plow Co., Peoria, Ill.
KERNER incinerator—Kerner Incinerator Co., 596 Clinton, Milwaukee, Wis.
KERNITE packing—Kern Commercial Co., 114 Liberty, New York
KERSTINE grate bars—Bowler Foundry Co., 1688 Columbus, Cleveland, Ohio
KERTLANDT packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
KERWIN-DETROIT rail grinding machines—Kerwin Machine Co., Detroit, Mich.
KESCO floor plates & stair treads—Keystone Steel Co., Warren, Pa.
KESTER soldering flux—Chicago Solder Co., 218 N. Union av, Chicago, Ill.
KETCHUM drill press & milling mach. vises—Ketchum Tool Equipment Co., Bridgeport, Conn.
KETMAR garden hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
KETOCO forgings, gear blankets, hammers, tong, tools, wrenches—Ketlor-Elliott, 31st, California, Chicago, Ill.
KETOS crucible & tool steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
KETOS non-shrinking oil hardening tool steel—Halcomb Steel Co., Syracuse, N. Y.
KEWANEE brake beams—Chicago Railway Equipment Co., 1923 W. 46th, Chicago, Ill.
KEWANEE electric lighting systems, water supply systems—Kewanee Private Utilities Co., West Side, Kewanee, Ill.
KEWANEE foundry molding machines—Wm. Demmler & Bros., Kewanee, Ill.
KEWANEE house heating boilers—Kewanee Boiler Co., Kewanee, Ill.
KEWANEE outdoor sleeping berths—Kewanee Mfg. Co., Kewanee, Ill.
KEY expanded metal lath—General Fireproofing Co., Youngstown, Ohio
KEY BRAND spraying compounds—Interstate Chem. Co., 657 Garfield av, Jersey City, N. J.
KEYBRIDGE REINFORCEMENT metal lath & steel combined—Edwards Mfg. Co., 545-546 Eggleston av, Cincinnati, Ohio
KEYLESS fly fans—National Enameling & Stamping Co., 411 5th av, New York
KEY RING screw pitch gauges—Athol Machine Co., Athol, Mass.
KEYSER water gauges—Ashcroft Mfg. Co., 119 W. 40th, New York
KEYSTONE acid proof metal—Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
KEYSTONE auto creepers, steel mats—Keystone Wire Matting Co., Beaver Falls, Pa.
KEYSTONE inner tubes—Keystone Rubber Mfg. Co., Erie, Pa.
KEYSTONE automobile springs—Keystone Spring Works, 1301 Buttonwood, Phila., Pa.
KEYSTONE ball wicking—R. Bishop Mfg. Co., 157 W. Sixth, South Boston, Mass.
KEYSTONE barn door hangers—McKinney Mfg. Co., Liverpool & Metropolitan, Pittsburgh, Pa.
KEYSTONE belting—L. H. Gilmer Co., Cottman & Keystone, Phila., Pa.
KEYSTONE black filler—Keystone Minerals Co., 41 Union sq, New York
KEYSTONE blast hole drills & steam shovels—Keystone Driller Co., Beaver Falls, Pa.
KEYSTONE boiler compounds, greases—Keystone Lubricating Co., 21st & Clearfield, Phila., Pa.
KEYSTONE boiler handles—Berger Bros. Co., 229 Arch, Phila., Pa.
KEYSTONE boiler injectors—Jas. A. Griffiths, 1317 Buttonwood, Phila., Pa.
KEYSTONE car flooring—Berger Mfg. Co., Canton, Ohio
KEYSTONE carriage springs—Fernald Mfg. Co., North East, Pa.
KEYSTONE case lining slate roofing & insulating paper—Keystone Roofing Mfg. Co., York, Pa.
KEYSTONE cattle dehorners—Morris T. Phillips, Pomeroy, Pa.
KEYSTONE drills, ratchet, wrenches & old man drilling posts—Keystone Mfg. Co., Buffalo, N. Y.
KEYSTONE dumping wagons—Keystone Vehicle Co., Reading, Pa.
KEYSTONE electric railway supplies—Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
KEYSTONE emery & corundum wheels—Walter C. Gold, 235 Race, Phila., Pa.
KEYSTONE exhaust heads—Watson & McDaniel Co., 146 N. 7th, Phila., Pa.
KEYSTONE expansion bolts—Diamond Expansion Bolt Co., 89 West, New York
KEYSTONE farriers' knives—Champion Tool Co., Meadville, Pa.
KEYSTONE feed cutters—Ellis Keystone Agricultural Works, Pottstown, Pa.
KEYSTONE fence staples, telephone wire—Keystone Steel & Wire Co., Peoria, Ill.
KEYSTONE files, grooving saws—H. Disston & Sons (Inc.), Tacony, Phila., Pa.
KEYSTONE fire extinguishers—Jas. Boyd & Bro., 25th & Wharton, Phila., Pa.
KEYSTONE fire-proof floors—Keystone Fireproofing Co., 16 S. Broad, Phila., Pa.
KEYSTONE flexible mats—Geo. A. Williams & Son, 85 Fulton, New York
KEYSTONE floor finish & varnish—Keystone Varnish Co., 71 Otsego, Brooklyn, N. Y.
KEYSTONE force feed lubricators—J. E. Lonergan Co., 211 Race, Phila., Pa.
KEYSTONE fruit presses—Keystone Door Check Co., Harrisburg Pa.
KEYSTONE gasoline engines—West Chester Engine Co., West Chester, Pa.
KEYSTONE hair insulators & felt building sheathings—H. W. Johns-Manville Co., Madison av & 41st, New York
KEYSTONE farm tractors—International Harvester Company of America, Inc., Harvester bldg, Chicago, Ill.
KEYSTONE hay & corn cutter knives—Wallingford Mfg. Co., Wallingford, Vt.
KEYSTONE hot air registers—Wm. Highton & Sons Co., Nashua, N. H.
KEYSTONE lamp black—Bihn & Wolff Co., Ash & Almond, Phila., Pa.
KEYSTONE lamp chimneys—Macbeth-Evans Glass Co., Pittsburgh, Pa.
KEYSTONE lawn & garden rollers—A. Buch's Sons Co., Elizabethtown, Pa.
KEYSTONE lawn & garden rollers—Harriman Mfg. Co., Harriman, Tenn.
KEYSTONE lever switches—Frank W. Morse, 289 Congress, Boston, Mass.
KEYSTONE lime burning kilns—Steacy-Schmidt Mfg. Co., York, Pa.
KEYSTONE linen thread—R. J. Ederer Thread Co., Elizabeth & Unity, Phila., Pa.
KEYSTONE lubricating oils & greases—Richardson Lubricating Co., Quincy, Ill.
KEYSTONE lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
KEYSTONE meat & food choppers—Colebrookdale Iron Co., Pottstown, Pa.
KEYSTONE mortar colors—Pittsburgh Iron Paint Co., N. S. Pittsburgh, Pa.
KEYSTONE night latches—E. T. Fraim Lock Co., Lancaster, Pa.
KEYSTONE packing—Jno. M. Watt's Sons, 54 N. 2nd, Phila., Pa.
KEYSTONE paint fillers—Keystone Paint & Filler Co., Muncy, Pa.
KEYSTONE paper cutting machines—Standard Machy., Mystic, Conn.
KEYSTONE paper hanger trimmers—A. Allen & Co., 2001 Carpenter, Phila., Pa.
KEYSTONE pipe fittings—Stanley G. Flagg & Co., Morris bldg, Phila., Pa
KEYSTONE railroad tool grinders—Keystone Grinder & Mfg. Co., 220 Penn av, Pittsburgh, Pa.

KEYSTONE rivetless chains—Wilmot Engng Co., Hazleton, Pa.
KEYSTONE roofing—Keystone Roofing Mfg. Co., York, Pa.
KEYSTONE saw clamps—Woodwell Joseph Co., 207 Wood, Pittsburgh, Pa.
KEYSTONE seals & presses—Keystone Seal & Press Co., 30 Main, Brooklyn, N. Y.
KEYSTONE steam shovels—Keystone Driller Co., Beaver Falls, Pa.
KEYSTONE steam & hot water heaters—Broomell, Schmidt & Co., Ltd., York, Pa.
KEYSTONE steel split pulleys—Dodge Sales & Engng. Co., Mishawaka, Ind.
KEYSTONE stove clay—Rogers & Co., Royersford, Pa.
KEYSTONE street washers—Gorecke Mfg. Co., Erie, Pa.
KEYSTONE swivel eye awning blocks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
KEYSTONE upholsterers' tacks—Turner & Seymour Mfg. Co., Torrington, Conn.
KEYSTONE ventilators—Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
KEYSTONE vises—Hollands Mfg. Co., 352 E. 18th, Erie, Pa.
KEYSTONE water meters—Pittsburgh Meter Co., E. Pittsburgh, Pa.
KEYSTONE well drilling machines—Keystone Driller Co., Beaver Falls, Pa.
KEYSTONE wood fibre plaster—American Cement Plaster Co., Lawrence, Kans.
KHEDIVE barber hair clipper—Coates Clipper Mfg. Co., Worcester, Mass.
KHOTAL kerosene furnaces, stoves & torches—William H. Otto Metal Goods Corp., 401 St. Paul's av, Jersey City, N. J.
KIBOSH shoe blacking & polishes—Frank Miller Co., 349 W. 26th, New York
KID sight feed lubricators—Detroit Lubricator Co., Detroit, Mich.
KIDIE KAR children's vehicles—H. C. White Co., North Bennington, Vt.
KIDPHONE toy telephones—Am. Thermophone Co., 116 Bedford, Boston, Mass.
KIEGEL theatre switchboards—Universal Elec. Stage Lighting Co., 240 W. 50th, New York
KIESLER clam shell buckets—Jos. F. Kiesler Co., N. Sangamon & W. Huron, Chicago, Ill.
KILBOURN sand boxes—Frank Ridlon Co., 251a, Boston, Mass.
KILKER'S Matte taping cars—Pacific Foundry Co., 18th & Harrison, San Francisco, Cal.
KILLARNEY suction hose—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
KILLITOL disinfectants—Norman C. Hayner Co., Rochester, N. Y.
KILO wattmeters—Kilo Electric Meter Co., Indianapolis, Ind.
KIMBLE motors—Kimble Electric Co., 634 Northwestern av, Chicago, Ill.
KIMBLE-GREGORY electric motors — Guarantee Electric Co., 430 S. Green, Chicago, Ill.
KINDLING street flushing machines—Kindling Machine Co., Milwaukee, Wis.
KINE water closets—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
KINEO range boilers—Walls, Owen & Stambach Co., Phila., Pa.
KINETOSCOPE moving picture machines—Thos. A. Edison, Orange, N. J.
KING annunciators—Partrick & Wilkins Co., 51 N. 7th, Phila., Pa.
KING ash & garbage cans, garbage pails—Cincinnati Galvanizing Co., McMicken av, & Tafel, Cincinnati, Ohio
KING auger bits—Snell Mfg. Co., Fiskdale, Mass.
KING can filling machines—Ayars Machine Co., Salem, N. J.
KING can openers—Browne & Dowd Mfg. Co., Meriden, Conn.
KING coat & hat hooks—Parker Wire Goods Co., Worcester, Mass.
KING coat & hat hooks—Wickwire Spencer Steel Corp., Worcester, Mass.
KING corn planters, feed cutters, root cutters—Donaldson Bros., Mount Clemens, Mich.
KING door hangers, grindstones—Richards-Wilcox Mfg. Co., Aurora, Ill.
KING drain & tiling shovels—Osmundson Spade Mfg. Co., Perry, Ia.
KING minnow nets—W. H. Reisner Mfg. Co., Hagerstown, Md.
KING fly swatters—U. S. Wire Mat Co., Decatur, Ill.
KING gasoline lighting systems—King Light Co., Peoria, Ill.
KING grain drills—King Drill Mfg. Co., Nebraska City, Neb.
KING harness snaps—Covert Mfg. Co., Troy, N. Y.
KING hose—Empire Tire & Rubber Corp., Trenton, N. J.
KING lawn mowers—Dille & McGuire Mfg. Co., Richmond, Ind.
KING padlock locks—U. S. Lock & H'dwe Co., Columbia, Pa.
KING pipe joint compounds—Walter E. King, 115 W. 3rd, Cincinnati, Ohio
KING piston rod packing—U. S. Metallic Packing Co., 221 N. 13th, Phila., Pa.
KING pot chains—Woods-Sherwood Co., Worcester, Mass.
KING safety razors—Clark Blade & Razor Co., 119 Sussex av, Newark, N. J.
KING screen door hinges—Allith Prouty Co., Danville, Ill.
KING screw drivers—C. E. Jennings & Co., 71 Murray, New York
KING smokeless powder—King Powder Co., First Nat. Bank bldg, Cincinnati, Ohio
KING spirit levels—King Level Works, Brighton, Mich.
KING steam engine governors—Sinker-Davis Co., Indianapolis, Ind.
KING tank heaters—Kelly Foundry & Machine Co., Goshen, Ind.
KING vacuum cleaners—Chas. W. Emery, 2036 N 13th, Phila., Pa.
KING water coolers—Everson Filter Co., 70 W. Lake, Chicago, Ill.
KING water meters—Union Water Meter Co., Worcester, Mass.
KING well buckets—Richmond Cedar Works, Fulton, Richmond, Va.
KING BEE barn door hangers—Lawrence Bros., Sterling, Ill.
KING BEE pipe clamps—F. A. Nusbaum, 219 Ruffner, Lockland, Ohio
KING BEE stoves—King Stove & Range Co., Sheffield, Ala.
KING BRAND belt dressing—Damascus Mfg. Co., Cassius av, Cleveland, Ohio
KINGERY'S corn poppers—Kingery Mfg. Co., 420 E. Pearl, Cincinnati, Ohio
KINGFISHER fish line—E. J. Martin's Sons, Rockville, Conn.
KINGFISHER HYDRAULIC packing—Strong Machy. & Supply Co., 21 Walker, New York
KING GRAPHITE black sheet packing—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
KINGHORN pump valves—U. S. Indestructible Gasket Co., Church & Fulton, New York
KING-KORE core compounds—Frederic B. Stevens, 3rd & Larned, Detroit, Mich.
KINGLEY automobile wind shields—Western Mechanical Works, Los Angeles, Cal.
KINGMAN harrow carts—Peoria Drill & Seeder Co., Peoria, Ill.
KINGMAN plow coulters, stalk cutters, walking listers—Kingman Plow Co., Peoria, Ill.
KING OF CUTTERS glass cutters—H. C. Hart Mfg. Co., Unionville, Conn.
KING OF POTATO FIELD diggers—H. W. Doughten, Moorestown, N. J.
KING OF THE WOODS hunting knives—Cattaraugus Cutlery Co., Little Valley, N. Y.
KING'S arc lamp posts—King Foundry Co., St. Joseph, Mo.
KING'S calcined plaster, plaster boards, cold water paints—J. B. King & Co., 17 State, New York
KING'S cold water paints—King Paint Mfg. Co., 449 Kent av, Brooklyn, N. Y.
KING'S gas recording pressure gauges—American Meter Co., 3112 N. 17th, Phila., Pa.
KING'S sash bolt & support—Smith & Egge Mfg. Co., Bridgeport, Conn.
KING'S wood stains—Chicago White Lead & Oil Co., 1454 S. Western av, Chicago, Ill.
KING'S MOUNTAIN wall plaster—Southern Gypsum Co., North Holston, Va.
KING'S PATENT blue grass harvesters—R. C. King, Carlisle, Ky.
KING'S-2-RING pot chains—Wire Goods Co., Worcester, Mass.
KINGSNAP spring steel snaps—National Safety Snap Co., Wilmington, Ohio
KINGSTON carbureters, spark plugs, circulating pumps, oil & grease cups, steering wheels—Byrne, Kingston & Co., Kokomo, Ind.
KINGSTON gas igniters, spark coils, spark plugs, special tire air pumps—Kokomo Electric Co., Kokomo, Ind.
KINGWOOD stone—Kingwood Quarries Co., Kingwood, W. Va.

KINKEAD alligning & leveling apparatus—Kinkead Mfg. Co., 45 High, Boston, Mass.
KINNEAR rolling doors & shutters & folding doors—Kinnear Mfg. Co., 716 Field av, Columbus, Ohio
KINNEY vacuum pumps—Kinney Mfg. Co., 3529 Washington, Boston, Mass.
KINSMAN electric desk lights—David Killoch Co., 57 Murray, New York
KINSMAN electric desk lights—McLeod, Ward & Co., 430 11th av, New York
KINYCKEST bath heaters—Taylor Burner & Electroplating Co., Ltd., 804 Duquesneway, Pittsburgh, Pa.
KINZIE gasoline blow torches—Turner Brass Works, Sycamore, Ill.
KIPP force & sight feed lubricators—Madison-Kipp Lubricator Co., Madison, Wis.
KIRBY bung hole borers—U. S. Bung Mfg. Co., 48 S. 2nd, Brooklyn, N. Y.
KIRBY metallic life boats & rafts, lubricators—Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
KIRBY toys with bells on—Kirby Mfg. Co., Middletown, Conn.
KIRKER-BENDER fire escapes—Dow Wire & Iron Works, Louisville, Ky.
KIRKWOOD fuel oil burners—Tate-Jones & Co., Empire bldg, Pittsburgh, Pa.
KISMET baking enamels, varnish, wood fillers—Chase, Roberts Co., West av, Long Island City, N. Y.
KIT screw drivers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
KITCHEN reversing rudders, brass & galvanized steel—McNab Co., Bridgeport, Conn.
KITSON boiler couplings—Jno. Hamilton Brass Works, Bridgeport, Conn.
KITSON ground key cocks & bibbs—Kitson Hydro-Carbon Htg. & Incandescent Lighting Co., 2819 Oakford, Phila., Pa.
K. KORKERS plumbers' tools—Fleck Bros. Co., 50 N. 5th, Phila., Pa.
KLAMATH rubber & pneumatic hose—Pioneer Rubber Mills, San Francisco, Cal.
KLAR'S kalsomine—Troy Cold Water Kalsomine Co., Troy, N. Y.
KLAXON automobile horns—Lovell-McConnell Mfg. Co., 194 Wright, Newark, N. J.
KLEAN-ITT paint & varnish remover—W. W. Law-Co., New Hartford, Conn.
KLEAN-WEL soap, powders & cleaners—Klean-Wel Mfg. Co., Superior Viaduct, Cleveland, Ohio
KLEAN-WELL yarn hand dusters—Universal Brush Co., 181 Quincy, Chicago, Ill.
KLEARTONE shellac & wood stains—Standard Varnish Wks., 90 West, New York
KLEIN ground connection clamps—Ernest Klein & Bro., 44 Fulton, New York
KLEIN machinery—A. Magnus Sons Co., 327 W. Randolph, Chicago, Ill.
KLEIN pipe tongs—Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
KLEIN pliers & nippers—M. W. Robinson Co., 296 B'way, New York
KLEIN tong bits—Chas. N. Hough Mfg. Co., Franklin, Pa.
KLEIN'S tree trimmers, trolley wire clamps—Mathias Klein & Sons, 3200 Belmont av, Cricago, Ill.
KLEMM acetylene gas lamps—Klemm & Co., 132 N. 5th, Phila., Pa.
KLEMM jacks—Oliver Mfg. Co., 326 S. Desplaines, Chicago, Ill.
KLENSA paint & varnish remover—Standard Varnish works, 90 West, New York
KLENZER compounds—Fitzpatrick Bros., 1319 W. 32nd pl, Chicago, Ill.
KLENZOLA mechanics' hand soap—H. P. Weller Supply Co., Erie, Pa.
KLIEGL electric stage lights—Universal Electric Stage Lighting Co., 240 W. 50th, New York.
KLINE hydraulic rams—Geo. S. Comstock & Son, Mechanicsburg, Ohio
KLING hame fasteners—National Safety Snap Co., Wilmington, Ohio
KLINGER gauge glasses; water gauges—Jerguson Gage & Valve Co., Mystic av & Fellsway, Somerville, Mass.
KLINGER water gauges—Wiltbonco Mfg. Co., 24 Porter, Boston, Mass.
KLINGERIT packing—Crane Co., 836 S. Michigan av, Chicago, Ill.
KLINGFAST belt cements—J. E. Rhoads & Sons, 12 N. 3rd, Phila., Pa.
KLINGFAST pipe vises—Walworth Mfg. Co., Boston, Mass.
KLING KOAT paints—Concrete Waterproof Paint Co., 329 N. 3rd, Phila., Pa.



KLINGRET type rubber solution machines—Baker's Sons, J. & Perkins Co., Inc., White Plains, N. Y.
KLINGTITE flexible fabric tubing, hose couplings—James Mfg. Co., Cleveland, Ohio
KLINGTITE steam packing—Niagara Falls (Ont.) Gasket & Packing Co., Church & Fulton, New York
KLIPPER clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
KLONDIKE incubators & brooders—Klondike Incubator Co., Des Moines, Ia.
KLONDIKE tank heaters—Butler Co., Butler, Ind.
KLYMAX fountain pen clips—Consolidated Safety Pin Co., Bloomfield, N. J.
KNAPP broom holders, carpet stretchers—Bradley & Farnham, Middlefield, Conn.
KNAPP trace carriers—North & Judd Mfg. Co., New Britain, Conn.
KNAPP SYSTEM sanitary metal chair rail, sanitary flush window casings, sanitary metal building trim, flush metal casings, metal base grounds, & flush metal picture molds—Knapp Bros. Mfg. Co., 3419 W. 14th, Chicago, Ill.
KNEAD-FULL bread mixers—Gem Stamped Steel Co., Chelsea, Mass.
KNICKERBOCKER caen stone cements—King C. Volney, 517 West, New York
KNICKERBOCKER hot water radiators—Mackay Mfg. Co., 234 Water, New York
KNICKERBOCKER thermometers—C. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
KNICKERBOCKER MADE RIGHT sample cases, bags & portfolios—Knickerbocker Case Co., 230 N. Clinton, Chicago, Ill.
KNIFE-HANDLE wrenches—Coes Wrench Co., Worcester, Mass.
KNIGHT lamps—Waxham Light Co., 318 W. 46th, New York
KNIGHT saw mill dogs—Sinker-Davis Co., Indianapolis, Ind.
KNIGHT soda water fountains—Knight Light & Soda Fountain Co., 351 W Chicago av, Chicago, Ill.
KNIGHT'S saw mill dogs—American Sawmill Machinery Co., Hackettstown, N. J.
KNIPE'S ball bearings—Pressed Steel Mfg. Co., Land Title bldg, Phila., Pa.
KNO-BURN expanded metal lath—Northwestern Expanded Metal Co., Old Colony bldg, Chicago, Ill.
KNOCKABOUT electric lamp flashlights—E. Marcuson, 70 Cortland, New York
KNOCKER fertilizer distributors—B. F. Avery & Sons, Louisville, Ky.
KNOCK-OUT rat traps—N. R. Streeter & Co., Rochester, N. Y.
KNODERER gas furnaces—Learn & Brindle, Columbus, Ohio
KNO-EQUAL plasters' steel corner beads—Northwestern Expanded Metal Co., Old Colony bldg, Chicago, Ill.
KNOLL washing machines—Janas L. Knoll Mfg. Co., Lebanon, Pa.
KNO-PAK air valves & swivel joints—Burlington Brass Works, Burlington, Wis.
KNOSTRAIN socket bushings—Stewart, Frank H. Electric Co., 35 N. 7th, Phila., Pa.
KNOT PASSING clothes line pulleys—Peck, Stow & Wilcox Co., Southington, Conn.
KNOTTS gear driven static electric machines—L. E. Knott Apparatus Co., 79 Amherst, Cambridge, Mass.
KNOWLES key-seating machines—Pawtucket Mfg. Co., Pawtucket, R. I.
KNOWLTON hammock—Gold Medal Camp Furniture Mfg. Co., Racine, Wis.
KNOWLTON packing—Geo. W. Knowlton Rubber Co., 60 Pearl, Boston, Mass.
KNOWLTON packing—Lubron Co., Everett, Mass.
KNOX fluting machines—North Bros. Mfg. Co., Lehigh av & American, Phila., Pa.
KNOX gasoline engines, propeller wheels, carbureters—Camden Anchor-Rockland Mach. Co., Camden, Me.
KNOX hose carriages & carts—Wirt & Knox Mfg. Co., 23rd & York, Phila., Pa.
KNOX open hearth furnace doors—Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
KNOX open hearth furnace doors & frames & electric welding—Blaw-Knox Co., Freeport rd, Hoboken, Pa.
KNOX potato diggers—Gowanda Agricultural Works, Gowanda, N. Y.
KNOX sole blocking machines—Quarmby & Hilliker, Lynn, Mass.
KNOX tractors & truck units—Knox Motors Co., Springfield, Mass.
KNOX water tube cleaners—Hubbard & Co., 933 5th, Washington, D. C.

KNOXALL automobile & vegetables oil soap—Hoosier Mfg. Co., 523 N. McCarthy, Indianapolis, Ind.
KNOXALL barn door hangers, wire stretchers—Hunt, Helm, Ferris & Co., Harvard, Ill.
KNOXALL clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
KNOXVILLE DUPLEX boiler flue cleaners—Hubbard & Co., 933 5th, Washington, D. C.
KNUTSON trolley catchers—Trolley Supply Co., Canton, Ohio
KNUTSON trolley catchers & retrievers—Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
KOASTER KID children's vehicles—Louis Amberg & Son, 101 E. 16th, New York
KODAK cameras—Eastman Kodak Co., Rochester, N. Y.
KOEHLER miners' safety lamps—Koehler Mfg. Co., Marlboro, Mass.
KOEHRING concrete mixers, concrete bucket hoists—Koehring Machine Co., Milwaukee, Wis.
KOERTING boiler injectors, boiler testing machines, fuel oil burners, spray nozzles, mine ventilators hydrokineters—Schutte & Koerting Co., 1251 N. 12th, Phila., Pa.
KOETH'S interchangeable tools—Currier-Koeth Mfg. Co., Coudersport, Pa.
KOH-I-NOOR snap fasteners—Waldes & Co., Inc., 315 5th av, New York
KOHIRAUSCH bridges—Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
KOHLER hot air furnaces—Hertig Furnace Co., 1342 Columbus av, Boston, Mass.
KOHLER post hole diggers, currycombs—F. E. Kohler Co., Canton, Ohio
KOKOMO motor cycles—Shaw Mfg. Co., Galesburg, Kans.
KOKOMO wire fences & gates—Kokomo Steel & Wire Co., Kokomo, Ind.
KOKOMO HI SPEED vertical drilling machines—Superior Machine Tool Co., Kokomo, Ind.
KOKOMO PIONEER ornamental wire fences & gates—Kokomo Steel & Wire Co., Kokomo, Ind.
KO-KO-NO DUST sweeping compounds—Alcatraz Co., Inc., 3200 Williamsburg av, Richmond, Va.
KOKOSING feed cutters—Hocking Valley Mfg. Co., Lancaster, Ohio
KOLLING corn huskers—Kolling Husker Works, Arlington Heights, Ill.
KOLL'S porch columns—Hartmann Sanders Co., 2155 Elston av, Chicago, Ill.
KOLORFAST fibre matting—Harvey Fibre Carpet Co., Trenton & Allegheny av, Phila., Pa.
KOMI porch curtain shades—R. H. Comey Co., Camden, N. J.
KOMO steam traps—Linton Machine Co., 26 Cortlandt, New York
KOMPAK tool kits—Napanach Knife Co., Napanach, N. Y.
KOMPOLITE sanitary flooring—General Kompolite Co., 327 Borden av, Long Island City, N. Y.
KOMTSPLIT valve handles—Holton-Abbott Mfg. Co., 59 Goram, West Somerville, Mass.
KONICAL ventilators—Eller Mfg. Co., Canton, Ohio
KONTAK waterproof belting—Geo. Rahmann & Co., 31 Spruce, New York
KOOCHOOK pneumatic tires—Koochook Rubber Co., 3200 Locust, St. Louis, Mo.
KOPKA awnings—Wyandotte Awning & Tent Co., Kansas City, Kans.
KOPPER-KOTE copper paints—Armstrong Paint & Varnish Works, 2502 S. Paulina, Chicago, Ill.
KOPPERS by-product ovens—The Koppers Co., Union Arcade, Pittsburgh, Pa.
KORFF sink frames—Korff Mfg. Co., Lansing, Mich.
KORKA water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
KOR-KER tire cements & tire treatment preparations—Alcemo Mfg. Co., 12 Bridge, Newark, N. J.
KORKSTONE sanitary flooring—Williams-Wendt Co., 118 N. La Salle, Chicago, Ill.
KORN KING grist mills—Fate-Root-Heath Co., Plymouth, Ohio
KORN KING shoveling & end gate boards—Knapheide, Henry, Wagon Co., Quincy, Ill.
KORN'S crayons—Wm. Korn, 120 Center, New York
KORONA cameras—Gundlach Manhattan Optical Co., Rochester, N. Y.
KORRECT leather measuring machines—Turner Tanning Machinery Co., Peabody, Mass.
KOSMOS cement—Kosmos Portland Cement Co., Kosmosdale, Ky.
KOST gas jet heaters—Kohler Die & Specialty Co., De Kalb, Ill.
KRAC-A-JAC glass cutters—J. E. Miller & Co., 330 W. Kinzie, Chicago, Ill.
KRACKERJACK Christmas tree holders—E. L. Reed Mfg. Co., Sterling, Ill.



KRAEMER lighters—Kraemer Mfg. Co., 148 Chambers, New York
KRAFT wrapping paper—Southern Fibre Co., Portsmouth, Va.
KRAMER adjustable electric desk lamps—Imperial Brass Mfg. Co., 524 S. Racine av, Chicago, Ill.
KRAMER concrete tampers—Kramer Automatic Tamper Co., Peoria, Ill.
KRAMER farm wagons—Kramer Wagon Co., Oil City, Pa.
KRAOPLATE composition blackboards—Atlas School Supply Co., 531 S. Peoria, Chicago, Ill.
KRAUS beet cultivators and bean harvester attachments—Akron Cultivator Co., Akron, Ohio
KREMLO storage batteries—McCauley Storage Battery Co., 1060 St. Clair, Cleveland, Ohio
KREODONE wood paving blocks—Republic Creosoting Co., Merchants Bank bldg, Indianapolis, Ind.
KREOLEKRAFT paper—Southern Paper Co., Moss Point, Miss.
KREOLITE wood block flooring—Jennison-Wright Co., Toledo, Ohio
KRE-O-SEP-TIC wood preservatives—St. Paul White Lead & Oil Co., St. Paul, Minn.
KRETCHMER honey extractors—Kretchmer Mfg. Co., Council Bluffs, Ia.
KRIEBEL vacuum heating system—Vapor-Vacuum Heating Co., Otis bldg, Philadelphia, Pa.
KRIS-KROS box fasteners—Cary Mfg. Co., Nassau & Jay, Brooklyn, N. Y.
KRISOLITE wood fibre plaster—American Cement Plaster Co., Lawrence, Kans.
KRISP-KRUST pie plates—Wickwire Spencer Steel Corp., Worcester, Mass.
KRITZER lime hydrating machinery—Kritzer Co., 503 S. Jefferson, Chicago, Ill.
KROESCHELL feed water heaters—Kroeschell Bros., Co., 440 W. Erie, Chicago, Ill.
KROESCHELL SCHWARTZ crucible furnaces—Kroeschell Bros. Co., 440 W. Erie, Chicago, Ill.
KROH storm robes—C. Z. Kroh Mfg. Co., Toledo, Ohio
KROM belt lacing—California Tanning Co., 1905 Shenandoah av, St. Louis, Mo.
KROMA paints, toy & school water color—American Crayon Co., 1300 Hayes av, Sandusky, Ohio, & Waltham, Mass.
KROME belting, leather packing, hydraulic & mechanical leather—Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
KROMHYDE belt lacing—Norwich Belt Mfg. Co., Norwich, Conn.
KROMOID shoemaker's wax—Martin Dennis Co., 859 Summer av, Newark, N. J.
KROMORE resistance wire—Driver-Harris Co., Harrison, N. J.
KRONAUER'S automobile trunks—Chas. Kronauer & Co., 844 Fulton, Chicago, Ill.
KROTZ oil filters—Akron Belting Co., Akron, Ohio
KRUEGER gasoline engines—San Antonio Machine & Supply Co., San Antonio, Texas
KRUPP grinding & crushing & ball & pebble mills—Thos. Prosser & Son, 15 Gold, New York
KRYPSTOK lenses—Bausch & Lomb Optical Co., Rochester, N. Y.
KRYSTAL soiloff hand soap—R. M. Hollingshead Co., Camden, N. J.
KUHN'S stove door pins—Corbin Screw Corporation, New Britain, Conn.
KUMFY gas jet heaters—Ohio State Stove Co., Columbus, Ohio
KUM-OFF paint & varnish remover—Twin City Varnish Co., St. Paul, Minn.
KUNKLE pop safety valves—Kunkle Valve Co., Fort Wayne, Ind.
KUNKLE pop safety valves—Wm. Powell Co., Cincinnati, Ohio
KUP-KAN oil cans & engine machine oilers—Boggs Auto Supply Co., Ft. Dodge, Ia.
KURTSON tumbler holders—Garden City Plating & Mfg. Co., 1430 S. Talman av, Chicago, Ill.
KURTZ piston rings—Canton Auto Parts Mfg. Co., Canton, Ohio
K-U-T-A fire hydrants—Cayuta Mfg. Co., Sayre, Pa.
KUT-EM SLICK pruning shears—Barr Bros. Co., Oakland, Cal.
KUT-KOTE paint & varnish remover—Jas. B. Day & Co., 214 W. Ohio, Chicago, Ill.
KUTZTOWN towel bars—Garden City Plating & Mfg. Co., 1430 S. Talman av, Chicago, Ill.
KWASIND cover paper—Hampden Glazed Paper & Card Co., Holyoke, Mass.
KWICKSHARP knife & scissors grinders, sugar dispensers—Spengler-Loomis Mfg. Co., 58 E. Washington, Chicago, Ill.

KWICKWORK carbon removers, enamels & insulating varnish—Standard Varnish Works, 90 West, New York
KWIK KUT power hack saw machines—E. C. Atkins & Co., Indianapolis, Ind.
KWIK-LITE electric lamp flashlights—Usona Mfg. Co., 1 Hudson, New York
KWYK metal polish—West Disinfecting Co., 411 5th av, New York
KYANIZE enamels, floor finish, linoleum varnishes—Boston Varnish Co., Everett Station, Boston, Mass.
KYLE arc lamp insulators—Line Material Co., S. Milwaukee, Wis.
KYMOI packing—Crandall Packing Co., Palmyra, N. Y.
L. B. ball cocks—L. B. Brass Co., Peabody, Mass.
L. B. flat copper connectors—Lemke Electric Co., 509 Cedar, Milwaukee, Wis.
L. B. L. hame fasteners—Covert Saddlery Works, Interlaken, N. Y.
L. B. TAYLOR'S speed indicators—Thos. Packer, Union City, Conn.
L. C. & CO. steel conductor pipe—Lyon, Conklin & Co., 19 Balderston, Baltimore, Md.
L. C. SMITH hammerless & hammer breach loading guns—Hunter Arms Co., Fulton, New York
L. C. T. tool steel hot wk.—Halcomb Steel Co., Syracuse, N. Y.
L. D. P. kitchen knives—L. D. Parkhurst, Danielson, Conn.
L. E. GANT rubber bottles—Tyer Rubber Co., Andover, Mass.
L. F. C. lemon squeezers—Landers, Frary & Clark, New Britain, Conn.
L. F. & C. metal polish—Landers, Frary & Clark, New Britain, Conn.
L. N. brake beams—Joliet Railway Supply Co., Joliet, Ill.
L. S. I. CO. tuyere irons—Wrightsville Hardware Co., Wrightsville, Pa.
L. T. door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
L. W. stoves & ranges—Lattimer Stove Co., Columbus, Ohio
L-W twist drills—Lincoln Twist Drills Co., Taunton, Mass.
L-W twist drills—Lincoln-Williams Twist Drills Co., Taunton, Mass.
L-X belt awls, chisels, clamps, dressing, fasteners, pliers, lacing, couplings, groovers, hammers, knives, punches, belt makers' planes & lacing studs—Manufacturers' Belt Hook Co., 1321 W. Congress, Chicago, Ill.
L. X. V. spark plugs—Automobile Equipment Co., Detroit, Mich.
L-XX high speed steel—Atlas Crucible Steel Co., Dunkirk, N. Y.
L. & A. foundry vibrators—Pressed Steel Co., Muskegon, Mich.
L. & G. butchers' knives—Landers, Frary & Clark, New Britain, Conn.
L. & G. pipe straps, sinks & trays—Lalance & Grosjean Mfg. Co., 299 Broadway, New York
L. & L. lighting fixtures, ceiling switches, locknut bushings, lock lamp guards—Chas. W. Leveridge, 133 Liberty, New York
L. & R. Orange Extra black sporting powder—Hercules Powder Co., Wilmington, Del.
L. & S. I. Co., lemon squeezers, tack hammers—Wrightsville Hardware Co., Wrightsville, Pa.
LA BELLE saw arbors—Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
LA BELLE IVORY PY-RA-LIN toilet articles—Arlington Wks. (E. I. du Pont de Nemours & So.), Wilmington, Del.
LABRIDE equipment, shipbldg., gantries & whirleys, coal & yard storage gantries, jib cranes, monorail hoists, electric drilling, reaming & countersinking machines—Lakeside Bridge & Steel Co., 402 Villard av, N. Milwaukee, Wis.
LAC-A-GERM varnish—Adams & Elting Co., 726 W. Washington, Chicago, Ill.
LACANITE electrical fittings, telephone receivers, mouth pieces, terminal blocks, push buttons, crank handles—Scranton Button Co., Scranton, Pa.
LACE WEB cushion springs—Trenton Spring Mattress Co., Trenton, N. J.
LACKAWANNA blast furnaces & interlocking steel piling—Lackawanna Steel Co., Buffalo, N. Y.
LACKAWANNA gas & oil engines—Lackawanna Mfg. Co., Ballston Spa., N. Y.
LACKAWANNA lubricators—Crescent Mfg. Co., Scottdale, Pa.
LACKO parting compounds—Wedron Silica Co., Ottawa, Ill.

LACLEDE-CHRISTY gas retort benches—Laclede-Christy Clay Products Co., Railway Ex. bldg, St. Louis, Mo.
LACQUERET floor finish—Standard Varnish Works, 90 West, New York
LA CROSSE farm tractors & kerosene traction engines—La Crosse Tractor Co., La Crosse, Wis..
LA CROSSE farm wagons—Smith Mfg. Co., La Crosse, Wis.
LA CROSSE harrows, plow coulters, riding listers—La Crosse Plow Co., La Crosse, Wis.
LA CROSSE potato sprayer—McKenzie Mfg. Co., La Crosse, Wis.
LADEL sawdust separators, rolling mill & store trucks—Ladel Mfg. Co., New Philadelphia, Pa.
LADY ENSLEY pig iron—Sloss, Sheffield Steel & Iron Co., Birmingham, Ala.
LADY'S FRIEND ironing board stands—Household Mfg. Co., Royersford, Pa.
LAFAYETTE cotton hose—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
LAFAYETTE reclaimed rubber—Manufactured Rubber Co., Franklin Bank bldg, Phila., Pa.
LAFFITTE brazing compounds, welding plates—Phillips-Laffitte Co., Penna. bldg, Phila., Pa.
LA FOLLETTE FOUNDRY blast furnaces—La Follette Coal & Iron Co., La Follette, Tenn.
LA FRANCE dusters—Dearborn Duster Co., 550 W. Harrison, Chicago, Ill.
LA FRANCE dusters—S. Levy, 618 New Market, Phila., Pa.
LAGONDA flue cutters & suction strainers—Lagonda Mfg. Co., Springfield, Ohio
LA GRANGE rubber bottles—Tyer Rubber Co., Andover, Mass.
LAKE key-seating machines—Mercury Machine Co., 2127 N. Broad, Phila., Pa.
LAKE CITY axes—Romer Axe Co., Dunkirk, N. Y.
LAKE CITY farm wagons—Neal, Johns & Co., Lake City, Minn.
LAKESIDE forgings & wrenches—Lakeside Forge Co., Erie, Pa.
LAKESIDE shoveling & end gate boards—Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
LAKEWOOD construction equipment, industrial equipment & concrete mixers—Lakewood Engineering Co., Berea rd. W of 117th, Cleveland, O.
LAKEWOOD lawn mowers — Coldwell Lawn Mower Co., Newburgh, N. Y.
LAKEWOOD scale boxes—Ohio Ceramic Engineering Co., Berea rd, Cleveland, Ohio
LAKIN HICKEY conduit benders—Thomas & Betts Co., 63 Vesey, New York
LALLY fire proof columns—U. S. Column Co., Cambridge, Mass.
LAMB wire stretchers—Peerless Wire Fence Co., Adrian, Mich.
LAMBERT gas engines, gasoline traction engines—Buckeye Mfg. Co., Anderson, Ind.
LAMBERT water meters—Thomson Meter Co., 110 Bridge, Brooklyn, N. Y.
LAMINAR fibre boxes, mill baskets, mill trucks, roving cans—American Vulcanized Fibre Co., 504 Equitable bldg, Wilmington, Del.
LAMINATED brass shims—Laminated Shim Co., 533 Canal, New York
LAMONT rotary screens—Black-Clawson Co., Hamilton, Ohio
LAMSON coin cashiers—Lamson Co., 100 Boylston, Boston, Mass.
LAMSON RAPID case hardened engineers' wrenches—Lamson & Sessions Co., 2188 Scranton rd, S. W., Cleveland, Ohio
LANCASTER automobile lamp lenses—Lancaster Lens Co., Lancaster, Ohio
LANCASTER brake shoes—Lancaster Iron Works, Lancaster, Pa.
LANCASTER cook stores—B. R. Bibb Stove Co., 109 Light, Baltimore, Md.
LANCASTER enamels—Lincoln Paint & Color Co., Lincoln, Nebr.
LANCASTER hay rakes—Hocking Valley Mfg. Co., Lancaster, Ohio
LANCASTER tire & axle shrinkers—Champion Blower & Forge Co., Lancaster, Pa.
LANCING ash sifters—Gier Pressed Steel Co., Lansing, Mich.
LANDERS counter scales—Landers, Frary & Clark, New Britain, Conn.
LANDIS bolt pointing machines & threading machines—Landis Machine Co., Waynesboro, Pa.
LANDIS fishing tackle boxes—Wilson F. Coretz Co., 159 W. Lake, Chicago, Ill.
LANDIS roll grinders—Landis Tool Co., Waynesboro, Pa.
LANDIS shock absorbers—Landis Engng. & Mfg. Co., Waynesboro, Pa.

LANDRAL cutting oils—Farr Mfg. Co., No. Tonawanda, N. Y.
LANE Chilian mills—Lane Mill & Machinery Co., Los Angeles, Cal.
LANE joist hangers—W. J. Clark Co., Salem, Ohio
LANE'S automobile jacks—Lane Bros. Co., Poughkeepsie, N. Y.
LANE'S PAT rolling ladders—Lane Bros. Co., Poughkeepsie, N. Y.
LANES STANDARD door hangers—Lane Bros. Co., Poughkeepsie, N. Y.
LANG farm wagons—Lang & Bro. Mfg. & Merc. Co., Farmington, Mo.
LANG tool holders—Crescent Forgings Co., Oakmont, Pa.
LANGDON mitre boxes—Millers Falls Co., Millers Falls, Mass.
LANGDON IDEAL self feeders—Hart Grain Weigher Co., Peoria, Ill.
LANGDON JUNIOR self feeders—Hart Grain Weigher Co., Peoria, Ill.
LANGLEBEN carbon brushes—Hart & Co., Fostoria, Ohio
LANIUS railway signal flags—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
LANKFORD horse collars—Couch Bros. Mfg. Co., Atlanta, Ga.
LANSDALE steam & hot water heaters—Heebner & Sons, Lansdale, Pa.
LANSING concrete mixers, rock crushers, wire & picket fence machines—Lansing Co., Lansing, Mich.
LANSING corn poppers—Gier Pressed Steel Co., Lansing, Mich.
LAPIDOLITH concrete hardeners—L. Sonneborn Sons, 262 Pearl, New York
LARAMIE standard cement plaster—Acme Cement Plaster Co., Frisco bldg, St. Louis, Mo.
LARD oil kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
LARK sulky hay rakes—Acme Harvester Machine Co., Peoria, Ill.
LARKIN fire extinguishers—Larkin Mfg. Co., Dayton, Ohio
LARKINS packing—Larkins Metallic Packing Co., 400 Duq. Way, Pittsburgh, Pa.
LARMUTH high speed wire stranding machines—New England Machinery Co., New Haven, Conn.
LARSON suction ventilators—Larson Bros., Johnsonburg, Pa.
LARSONS babbitt metal—Damascus Bronze Co., N. S., Pittsburgh, Pa.
LARSONS blacksmiths' nippers—Washington Tool Co., Owatonna, Minn.
LA SALLE belting, rubber hose—Empire Tire & Rubber Corp., East Trenton, N. J.
LA SALLE plasters, steel corner beads—Church Appliance Mfg. Co., La Salle, Ill.
LASCO spark plugs—Louisville Auto Supply Co., Louisville, Ky.
LASCO wind shields—London Auto Supply Co., 2540 S. Wabash av, Chicago, Ill.
LASHAR plated silverware—International Silver Co., Meriden, Conn.
LAS-STIK tubes, patches—Las-Stik Patch Mfg. Co., Hamilton, Ohio
LAST WORD test indicators—Henry A. Lowe, 1874 E. 66th, Cleveland, Ohio
LATHEROIL liquid soap—Fischer Soap & Oil Co., 2715 Colerain av, Cincinnati, Ohio
LATHROP'S belt awls—Greene, Tweed & Co., 109 Duane, New York
LATROBE car couplers—National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, Ohio
LA TUQUE turpentine—Brown Corp., Portland, Me.
LAUN-DRY-ETTE washer & dryer—Home Specialty Mfg. Co., 1015 Power av, Cleveland, Ohio
LAURAINE auto. engine starters, generators, spark plugs & ignition magnetos—Lauraine Magneto Co., Inc., 181 13th, Long Island City, N. Y.
LAUREL stoves—Art Stove Co., Russell & Milwaukee, Detroit, Mich.
LAURSEN hydraulic gear shifts—United States Auto Gear Shift Co., Eau Claire, Wis.
LAUSON engines—John Lauson Mfg. Co., New Holstein, Wis.
LAUSON hard oil finish—Valentine & Co., 456 4th av, New York
LAVA kitchen enameled ware—Cleveland Stamping & Tool Co., E. 53rd & Hamilton, Cleveland, Ohio
LAVARCK marine gears—Marine Mfg. & Supply Co., 158 South, New York
LAVIGNE expansive bits—Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
LAVITE lava—D. M. Steward Mfg. Co., Chattanooga, Tenn.
LAVOIE air chucks—Frontier Chuck & Tool Co., 30 Letchworth, Buffalo, N. Y.



LAW hay carriers—Hackney Mfg. Co., St. Paul, Minn.
LAWCO window ventilators—F. H. Lawson Co., Cincinnati, Ohio
LAWLER'S boiler couplings, boiler feeders, expansion tanks, steam traps—Lawler Regulator Co., 55 W. Houston, New York
LAW-RE-MO wall finish—W. W. Lawrence & Co., Pittsburgh, Pa.
LAWRENCE baffle plates—Meek Oven Mfg. Co., Newburyport, Mass.
LAWRENCE bobbin holders, spooler guides—Draper Corp., Hopedale, Mass.
LAWRENCE door hangers—Lawrence Bros., Sterling, Ill.
LAWRENCE paints, enamels, white & red lead—W. W. Lawrence & Co., Pittsburgh, Pa.
LAWRENCE pumps—Lawrence Machine Co., 42 Island, Lawrence, Mass.
LAWRENCE sad iron heaters—Jewett & Co., Buffalo, N. Y.
LAWRENCE slop sinks—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
LAWSON architectural enamels, railway varnishes—Valentine & Co., 456 Fourth av, New York
LAWSON garden barrows, freight wagons, store trucks, wood split pulleys—Menasha Wood Split Pulley Co., Menasha, Wis.
LAWSON gas burners & water heaters—Lawson Mfg. Co., Lex. & Thomas, Pittsburgh, Pa.
LAWSON tractors—John Lawson Mfg. Co., New Holstein, Wis.
LAWSON wire rope tramways—Interstate Equipment Corp., 7 Pine, New York
LAWSON'S wire rope tramways—Consolidated Tramway Co., Roanoke, Va.
LAWTER tractors—Lawter Tractor Co., St. Marys, Ohio
LAY pipe tongs—Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
LAYBOY paper stackers—Erie Lay Boy Co., Erie, Pa.
LAYNE centrifugal pumps—Layne & Bowler Corp., Los Angeles, Cal.
LA ZIER gas engines—Lazier Gas Engine Co., 190 Main, Buffalo, N. Y.
LEA water flow recorders—Yarnall-Waring Co., 1001 Harrison bldg, Phila., Pa.
LEACH locomotive sanders—United States Metallic Packing Co., 221 N. 13th, Phila., Pa.
LEACH PATTERN saw sets—Bullock Mfg. Associates, Springfield, Mass.
LEA-DEGEN high duty pumps—Nash Engineering Co., South Norwalk, Conn.
LEA-DUCK waterproof belting—W. H. Salisbury & Co., 308 N. Madison, Chicago, Ill.
LEA-SIMPLEX cold-saw cutting-off machines—Lea Equipment Co., Stenton & Wyoming avs, Phila., Pa.
LEAD ALL reversible pocket screw drivers & coping saws—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
LEADER automobile jacks—National-Standard Co., Box 211, Niles, Mich.
LEADER beet cultivators—Hayes Pump & Planter Co., Galva, Ill.
LEADER boiler feeders, injectors—Randle Machinery Co., C. H. & D. Ry. & Powers, Cumville, Cincinnati, Ohio
LEADER cement brick machines—Starch Bros. Co., La Crosse, Wis.
LEADER center grinders—Leader Mfg. Co., Springfield, Ohio
LEADER cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
LEADER cone shaped fly traps—Reynolds Wire Co., Dixon, Ill.
LEADER drag road scrapers — Slusser-McLean Scraper Co., Sidney, Ohio
LEADER dry batteries—Emil J. Tardie, 156 5th av, New York
LEADER ensilage & fodder cutters—Jos. Dick Mfg. Co., Canton, Ohio
LEADER envelope machines—Lester & Wasley Co., Norwich, Conn.
LEADER feed carriers, hay carriers—Milwaukee Hay Tool Co., Milwaukee, Wis.
LEADER garment hangers, lemon squeezers—Rocky Hill Hardware Co., Rocky Hill, Conn.
LEADER gas engines—Field Force Pump Co., Elmira, N. Y.
LEADER gasoline pumps—Eastern Oil Tank Co., Lowell, Mass.
LEADER glass cutters—Fletcher, Terry Co., Forestville, Conn.
LEADER grass catchers—Hasseries, Carl, E. 55th E. B'way, Cleveland, Ohio
LEADER grass catchers—Specialty Mfg. Co., 2362 University av, St. Paul, Minn.

**LEADER** horse nails—Standard Horse Nail Co., New Brighton, Pa.
**LEADER** hose & insulating tape—Boston Woven Hose & Rubber Co., Cambridge, Mass.
**LEADER** hot water heaters—Putnam Foundry & Machine Co., Putnam, Conn.
**LEADER** lawn mowers—Granite State Mowing Machine Co., Hinsdale, N. H.
**LEADER** pneumatic water supply systems—Leader Iron Works, Decatur, Ill.
**LEADER** range boilers—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
**LEADER** rural mail boxes—Superior Sheet Metal Works Co., 3201 Roosevelt av, Indianapolis, Ind.
**LEADER** screw drivers—Stanley Rule & Level Co., New Britain, Conn.
**LEADER** soldering sets—W. L. Barrett, Bristol, Conn.
**LEADER** spark plugs—Long Bros., Kokomo, Ind.
**LEADER** spark plugs—Vital Mfg. Co., 7500 Quincy av, Cleveland, Ohio
**LEADER** step ladders—Rich Pump Co., South & Depot, Cincinnati, Ohio
**LEADER** stoves—A. T. Nye & Son Co., Columbus, O.
**LEADER** sulky plows—J. I. Case Plow Works, Racine, Wis.
**LEADER** walking cultivators—Hayes Pump & Planter Co., Galva, Ill.
**LEADER** waste baling presses—Petroleum Iron Works Co., Sharon, Pa.
**LEADER** water filter—Everson Filter Co., 70 W. Lake, Chicago, Ill.
**LEADER** whip socket fasteners—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
**LEADITE** pipe joint compounds—Leadite Co., Land Title bldg., Phila., Pa.
**LEAGUE'S** pneumatic tires—League Tire Co., South Bend, Ind.
**LEAKANOT** boot waterproofing—National Rubber Co., 4414 Papin, St. Louis, Mo.
**LEAK-PROOF** packing & piston rings—McQuay-Norris Co., Cooper & Southwest avs, St. Louis, Mo.
**LEATHER LAC** carriage top dressing—Eberson Paint Co., 1822 Morgan, St. Louis, Mo.
**LEATHERENE** upholsterers' tacks—Mattatuck Mfg. Co., Waterbury, Conn.
**LEATHERLAC** carriage top dressing—R. F. Johnston Paint Co., Pearl & Main, Cincinnati, Ohio
**LEATHEROID** baskets, boxes, tool cases, roving cans, sample cases, trunks, hard, insulated & vulcanized fibre, trucks, warehouse cars—Rogers' Fibre Co., 121 Beach, Boston, Mass.
**LEATHEROID** rubber roofing—Union Paper & Twine Co., 125 St. Clair av, N. W. Cleveland, Ohio
**LEATHERTEX** cone clutch facing—Hide Leather & Belt Co., 227 S. Meridian, Indianapolis, Ind.
**LEATH-R-NU** carriage top dressing—Nu-Back Mfg. Co., 114 N. Commercial, St. Louis, Mo.
**LEAVITT** cattle dehorners—Leavitt Mfg. Co., Urbana, Ill.
**LE BLOND** belt shifters—R. K. Le Blond Machine Tool Co., Cincinnati, Ohio
**LE CARBONE** carbon brushes—W. J. Jeandron, 172 Fulton, New York
**LE CHATELIER** pyrometers—S. H. Stupakoff, Pittsburgh, Pa.
**LE CHATELIER** pyrometers—Wilson-Maeulen Co., 383 Concord av, New York
**LECHLER** spark plugs—Rhineland Machine Works, 1737 Broadway, New York
**LECLANCHE** battery bars zincs—Matthiessen & Hegeler Zinc Co., La Salle, Ill.
**LECO** disconnecting switches, ground connection clamps, switch protectors—Lord Mfg. Co., 105 W. 40th, New York
**LECTROFLATER** tire air pumps—Black & Decker Mfg. Co., 111 S. Calvert, Baltimore, Md.
**LEDIC** lightning arresters—Lafayette Electric & Mfg. Co., Lafayette, Ind.
**LEDIG KEYSTONE** children's vehicles—A. Mecky Co., 1707 W. Allegheny av, Phila., Pa.
**LE-DO-LAC** hard oil finish—Blayz Paint & Varnish Co., Spencer, Toledo, Ohio
**LEE** bread crumbling machines—Goodell Co., Antrim, N. H.
**LEE** printing presses—Challenge Machinery Co., Grand Haven, Mich.
**LEE** rubber tires—Lee Tire & Rubber Co., Conshohocken, Pa.
**LEE** steam turbines—D. E. Whiton Mfg. Co., New London, Conn.
**LEE** whisk brooms—Lee Broom & Duster Co., Lincoln, Nebr.
**LEEKTITE** special piston rings—End-Oxy Appliance Co., 29 N. Willow, Trenton, N. J.
**LEE'S** improved revolving ventilators—Thomas Lee, 129 W. 2nd, Cincinnati, Ohio
**LEE'S** tobacco counter cutters—Landers, Frary & Clark, New Britain, Conn.
**LEES BRADNER** thread milling machines—Lees-Bradner Co., Cleveland, Ohio
**LEESONA** countershafts, bobbin winders, cotton macuy., quillers, cone, cop, hosiery, magnet, quill, & yarn winders & textile machy.—Universal Winding Co., 95 South, Boston, Mass.
**LEFAVOUR'S FAVORITE** garden weeders—North Wayne Tool Co., Hallowell, Me.
**LEFFEL** engines & boilers—James Leffel & Co., East Springfield, Ohio
**LEFT-HAND** barbers' hair clippers—Coates Clipper Mfg. Co., Worcester, Mass.
**LEGAL** oil cans—Delphos Mfg. Co., Delphos, Ohio
**LEGETT** trap shooting traps—Chamberlain Cartridge & Target Co., 514 Prospect av, Cleveland, Ohio
**LEGG** pump governors—Middlesex Machine Co., Lowell, Mass.
**LEHIGH** bench vises—Bonney Vise & Tool Works, Allentown, Pa.
**LEHIGH** cabinet steel ranges—Lehigh Stove & Mfg. Co., Lehighton, Pa.
**LEHIGH** cement—Lehigh Portland Cement Co., Allentown, Pa.
**LEHIGH** fans, ventilators, blowers, air washers, exhausters, dust arresters, & dust collectors—Hersh Bros. Co., 645 Mill, Allentown, Pa.
**LEHIGH** iron bar—Slatington Iron & Steel Co., Slatington, Pa.
**LEHIGH** oxide of zinc—New Jersey Zinc Co., 160 Front, New York
**LEHIGH** rock crushers—Fullerton-Lehigh Co., Fullerton, Pa.
**LEHR** beet pullers—Lehr Agricultural Co., Fremont, Ohio
**LEICH** automaphone—Leich Electric Co., Genoa, Ill.
**LEIDGEN** leather unhairing machines—Edw. H. Munkwitz Co., 159 Muskego av, Milwaukee, Wis.
**LEILA** walking cultivators—Hayes Pump & Planter Co., Galva, Ill.
**LELAND** tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
**LE LAVAL** sight feed lubricators—Nathan Mfg. Co., 416 E. 106th, New York
**LEMAN** oil refining condensers—Petroleum Iron Works Co., Sharon, Pa.
**LEMANQUAIS** electric service boxes—H. T. Paiste Co., 3201 Arch, Phila., Pa.
**LEMLEY** friction clutches, friction clutch couplings—W. A. Jones Foundry & Machine Co., 4401 W. 12th, Chicago, Ill.
**LEMOINE** automobile springs—Hudson Export & Import Co., 1737 Broadway, New York
**LENDER** steam heaters—Thatcher Furnace Co., 135 W. 35th, New York
**LENHART** farm wagons—Lenhart Wagon Co., Minneapolis, Minn.
**LENITH** kerosene lamp burners—Edw Miller & Co., Meriden, Conn.
**LENIX** belt drive—F. L. Smidth & Co., 50 Church, New York
**LENNOX** corn & cob mills, gasoline engines, pitless scales—Lennox Machine Co., 2558 W. 16th, Chicago, Ill.
**LENNOX** hot air furnaces—Lennox Furnace Co., Marshalltown, Ia.
**LENNOX** rotary shears—Jos. T. Ryerson & Son, 910 Corn Ex. bldg & 16th & Rockwell, Chicago, Ill.
**LENOX** blotting paper—Eaton-Dikeman Co., Lee, Mass.
**LENOX** hack saw blades—American Saw & Mfg. Co., Springfield, Mass.
**LENOX** lawn mowers—Chadborn & Coldwell Co., Newburgh, N. Y.
**LENOX** rubber mats—Boston Woven Hose & Rubber Co., Cambridge, Mass.
**LENOX** steam heaters—Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
**LENOX BATH** rubber mats—Boston Woven Hose & Rubber Co., Cambridge, Mass.
**LENTZ** steam engines—Erie City Iron Works, Erie, Pa.
**LEONARD** dinner pails—T. F. Leonard Co., Scranton, Pa.
**LEONARD** metallic window frame—Leonard Sheet Metal Works, Hoboken, N. J.
**LEONHARDT** power hammers—Chas. Leonhardt, New Ulm, Minn.
**LEONHART** gauge glass preservers—Dunn's Service Co., 608 S. Dearborn, Chicago, Ill.
**LE PAGE'S** glue & belt cements—Russia Cement Co., Gloucester, Mass.
**LEPTYNE** turpentine substitute—Patton Paint Co., Milwaukee, Wis.
**LEROY** carpet nails—Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
**LEROY** door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.

LESLIE pressure regulators—Leslie Co., Lyndhurst, N. J.
LESMOK partly smokeless powder—Du Pont de Nemours & Co., E. I., Wilmington, Del.
LESTER saw sets—Bullock Mfg. Associates, Springfield, Mass.
LESTER scroll saws—Millers Falls Co., 28 Warren, New York
LETTGO mechanical overland release—Link-Belt Co., 329 W. 39th av, Chicago, Ill.
LETTENEY wood preservatives—Northeastern Co., 80 Beverly, Boston, Mass.
LETTERINE show card inks—Thaddeus Davis Ink Co., 97 Vandam, New York
LEVALLEY bolt clippers—Chain Belt Co., Milwaukee, Wis.
LEVANT cover paper—C. H. Dexter & Sons, Windsor Locks, Conn.
LEVIATHAN belting, belt dressing—Main Belting Co., 1219 Carpenter, Philadelphia, Pa.
LEVIATHAN DOVER egg & cream beaters—Dover Stamping & Mfg. Co., Cambridge, Mass.
LEVIN pruning shears—Smith, Seymour & Son, Oakville, Conn.
LEWIS asphalt fillers, road tar—F. J. Lewis Mfg. Co., 2513 Robey, Chicago, Ill.
LEWIS automatic core wire straightening machines—Lewis Machine Co., 6303 Central, Cleveland, Ohio
LEWIS biller duplicator—General Manifold & Printing Co., 727 S. Dearborn, Chicago, Ill.
LEWIS brushes—Samuel Lewis, 73 Barclay, New York
LEWIS car stoves—Buda Co., Railway Exchange bldg, Chicago, Ill.
LEWIS furnaces, door hoists—Link-Belt Co., 329 W. 39th av, Chicago, Ill.
LEWIS hay stackers—O'Neill T. L. Co., Marseilles, Ill.
LEWIS machine gun—Savage Arms Corp., Utica, N. Y.
LEWIS special creosoted woodblock paving pitch—F. J. Lewis Mfg. Co., 2513 Robey, Chicago, Ill.
LEWIS steel spoke wheels—Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
LEWIS street washers & hydrants—Haydenville Co., Haydenville, Mass.
LEWIS string bean machinery—E. J. Lewis, Middle port, N. Y.
LEWIS & KUNZER metallic packing—Aurora Metal Co., Aurora, Ill.
LEXINGTON gas ranges—Culter & Proctor Stove Co., Peoria, Ill.
LEXINGTON rubber belting, water hose suction, hose, steam hose—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
LEYNER air compressors, drill sharpening machines, pneumatic rock drills—J. Geo. Leyner Engineering Works Co., Littleton, Colo
LEYNER drill sharpeners & oil furnaces—Ingersoll-Rand Co., 11 Broadway, New York
LEYNER-INGERSOLL rock drills—Ingersoll-Rand Co., 11 Broadway, New York
LIBBY calf pens—C. A. Libby Co., Oshkosh, Wis.
LIBBY turret lathes—International Machine Tool Co., Indianapolis, Ind.
LIBERTY automobile foot pump—Apex Elec. Mfg. Co., 1410 W. 59th, Chicago, Ill.
LIBERTY boiler flue & tube cleaners—Liberty Mfg. Co., Pittsburgh, Pa.
LIBERTY clippers—Coates Clipper Mfg. Co., Worcester, Mass.
LIBERTY core & foundry flour substitutes—Hill & Griffith Co., 1248 State av, Cincinnati, Ohio
LIBERTY hickory handles—Hartwell Handle Co., Harvey, Ill.
LIBERTY lawn mowers—American Lawn Mower Co., Muncie, Ind.
LIBERTY oil filters, feed water regulators—Elliott Co., Frick bldg., Pittsburgh, Pa.
LIBERTY old style roofing tin—Merchant & Evans Co., Washington av & 21st, Phila., Pa.
LIBERTY packing—Continental Rubber Works, Erie, Pa.
LIBERTY red rubber packing—H. W. Johns-Manville Co., 41st & Madison av, New York
LIBERTY tool steel for hack saws, taps, etc.—Halcomb Steel Co., Syracuse, N. Y.
LIBERTY BELL lubricating oils & greases—Bell Oil Co., 600 S. Vandeventer, St. Louis, Mo.
LIBERTY BRAND steel letters—Allen, Doane & Co., 29 Cornhill, Boston, Mass.
LIBRA air valves—American Radiator Co., 820 S. Michigan av, Chicago, Ill.
LIDDELL-CHAMBERS steam engines—Liddell Co., Charlotte, N. C.
LIFE LINE lariates—Tubbs Cordage Co., Kohl bldg, San Francisco, Cal.



LIDGERWOOD hoists & cableways—Lidgerwood Mfg. Co., 91 Liberty, New York
LIETZ transits—A. Lietz Co., 61 Post, San Francisco, Cal.
LIFE steam heaters—McDonnell Boiler & Iron Works, Des Moines, Ia.
LIFE DRAFT ensilage cutters—Silver Mfg. Co., No. 256, Salem, Ohio
LIFE SAVING portable fire escapes—B. B. Neal Hardware Co., 117 Leonard, New York
LIFT THE DOT carriage fasteners—Carr Fastener Co., Boston, Mass.
LIGHTFOOT farm tractors—Monarch Tractor Co., Watertown, N. Y.
LIGHTHOUSE feed cutters—A. Buch's Sons Co., Elizazethtown, Pa.
LIGHT HOUSE oil stoves & heaters—Central Oil & Gas Co., Gardner, Mass.
LIGHTING boiler cleaners—Wm. Maurer & Co., South Bend, Ind.
LIGHTING boiler compounds—J. D. Street & Co., 41st & Pk St. Louis, Mo.
LIGHTING transformers—Western Electric Co., 463 West, New York
LIGHTNING animal traps—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
LIGHTNING bench punches—American Lock Nut & Tool Co., Oregon, Ill.
LIGHTNING bench stops—Bonney Vise & Tool Works, Allentown, Pa.
LIGHTNING bread cutters—Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
LIGHTNING bread knives—Dunn Edge Tool Co., Oakland, Me.
LIGHTNING churns—Hall Bros. Co., West Acton, Mass.
LIGHTNING clod crushers—Cutaway Harrow Co., Higganum, Conn.
LIGHTNING clothes washing machines—Richmond Cedar Works, Fulton, Richmond, Va.
LIGHTNING crimpers—W. A. Wheeler, Indianapolis, Ind.
LIGHTNING fruit & vegetable parers—Goodell Co., Antrim, N H.
LIGHTNING fruit & vegetable slicers—Landers, Frary & Clark, New Britain, Conn.
LIGHTNING gas engines, pitless scales, centrifugal pumps, stump pullers—Kansas City Hay Press Co., Kansas City, Mo.
LIGHTNING grass shears—Dunn Edge Tool Co., Oakland, Me.
LIGHTNING hand power punches—American Lock Nut & Tool Co., Oregon, Ill.
LIGHTNING hose couplings—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
LIGHTNING hose menders—Detroit Coin Wrapper Co., 15 W. Milwaukee, Detroit, Mich.
LIGHTNING ice chippers—North Bros. Mfg. Co., Lehigh av & American, Phila., Pa.
LIGHTNING insect guns—Thos. W. Houchin Co., 36 E. 12th, New York
LIGHTNING lamp cord adjusters—Frantz Mfg. Co., Sterling, Ill.
LIGHTNING letter openers—Lightning Letter Opener Co., Rochester, N. Y.
LIGHTNING dies & screw plates—Greenfield Tap & Die Corp., Greenfield, Mass.
LIGHTNING sickel grinders—Geo. S. Comstock & Son, Mechanicsburg, Pa.
LIGHTNING smokeless rifle powder—Hercules Powder Co., Wilmington, Del.
LIGHTNING spark plugs—Reflex Ignition Co., 1708 Payne av., Cleveland, O.
LIGHTNING spray pumps—D. B. Smith & Co., Utica, N. Y.
LIGHTNING stove pipe & elbow machines—Hemp & Co., Vandeventer nr Shaw, St. Louis, Mo.
LIGHTNING triple gear mills—L. B. McCarger Feed Mill Co., St. Joseph, Mo.
LIGHTNING tumbler washers—Whiteman Mfg. Co., Canton, Ohio
LIGHTNING valve grinding compounds—Lightning Mfg. Co., Cornish Flat, N. H.
LIGHTNING vegetable cutters—Munnsville Plow Co., Munnsville, N. Y.
LIGHTNING wire stapling machinery—A. Allen & Co., 200 Carpenter, Phila., Pa.
LIGHTNING GUIDE steering sleds — Standard Novelty Works, Duncannon, Pa.
LIGHTNING NON-TUBULAR packing—New York Insulated Wire Co., 84 State, Boston, Mass.
LIGHTNING OPENER wrenches—S. & I. Co., Springfield, Mass.
LIGHTNING PATTERN knives—Wallingford Mfg. Co., Wallingford, Vt.
LIGHTNING RE-SET rat traps—Delphos Mfg. Co., Delphos, Ohio

LIGHT RUNNING egg & cream beaters—Taplin Mfg. Co., New Britain, Conn.
LIGHTWEIGHT bicycle lamps—Seiss Mfg. Co., Toledo, Ohio
LIG-LAC wood stains—Chas. Moser Co., Cincinnati, Ohio
LIGNI SALVOR wood preservatives—Wm. Menzel & Son, 64 Broad, New York
LIK-E-NAMEL floor finish—W. W. Lawrence & Co., Pittsburgh, Pa.
LILAC oil tin cans—Delphos Mfg. Co., Delphos, Ohio
LILIENBURG steel casting converters—Exeter Machine Works, Pittston, Pa.
LILIPUT steel measuring tapes—Keuffel & Esser Co., Hoboken, N. J.
LILLIE evaporators & vacuum pans—Wheeler Condenser & Engineering Co., Carteret, N. J.
LILLIE multiple effects evaporators — Sugar Apparatus Mfg. Co., 328 Chestnut, Phila., Pa.
LILLIPUT blasting batteries—Star Electric Fuse Works, Wilkes-Barre, Pa.
LILLY absorbent cotton—Am. Gauge & Cotton Co., Inc., 407 N. 8th, St. Louis, Mo.
LILLY CUP paper cups—Public Service Cup Co., 168 39th, Brooklyn, N. Y.
LILY rubber horse shoe pads—Firestone Tire & Rubber Co., Akron, Ohio
LILY steel ranges—J. M. Ettinger, 70 W. Lake, Chicago, Ill.
LILY STAR fibre pails—Fibre Corporation, Lockport, N. Y.
LIME FERTILE fertilizer—Fertile Chemical Co., E. 4th & Prospect, Cleveland, O.
LIMESTONE cement—Ironton Portland Cement Co., Ironton, Ohio
LIMITED motor cycles—Fellbach Motor Co., Weil & Burleigh, Milwaukee, Wis.
LIMOLD lime—Chas. Warner Co., I. O. O. F. bldg, Wilmington, Del.
LINCOLN clothes washing machines—C. E. Ross, Lincoln, Ill.
LINCOLN hickory handles—Hartwell Handle Co., Harvery, Ill.
LINCOLN kitchen knives—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
LINCOLN night latches—Miller Lock Co., 4523 Tacony, Phila., Pa.
LINCOLN paints, paint & varnish removers, shingle stains—Lincoln Paint & Color Co., Lincoln, Nebr.
LINCOLN trace carriers—North & Judd Mfg. Co., New Britain, Conn.
LINCOLN twist drills—Lincoln Twist Drills Co., Taunton, Mass.
LINCOLN CLIMATIC oil paints—Lincoln Paint & Color Co., Lincoln, Neb.
LINCRUSTA WALTON wall coverings—Fr. Beck & Co., 281 5th av, New York
LINDEN cotton hose—Boston Belting Corp., 84 Linden Park, Boston, Mass.
LINDEN fire place heaters—Bartlett Hayward Co. Scott & McHenry, Baltimore, Md.
LINDEN lemon squeezers—Gilchrist Co., 236 Bank, Newark, N. J.
LINDER road machine & graders—Linder Grader Co., Matthews, Ind.
LINDERMAN glue jointing machines—Linderman Steel & Machine Co., Muskegon, Mich.
LINDE'S non safety valves—J. E. Lonergan Co., 211 Race, Phila., Pa.
LINDHOLM drawn metal grease cups—Lindholm Metal Stamping Co., Camden, N. J.
LINDLEY gasoline strainers—W. H. Lindley Co., Canastota, N. Y.
LINDQUIST wagon tongue supports—Harvey Spring & Forging Co., Racine, Wis.
LINDSAY foundry chaplets—Lindsay Chaplet & Mfg. Co., Harrison bldg, Phila., Pa.
LINDSEY farm wagons—Lindsey Wagon Co., Laurel, Miss.
LINDSTROM brake handles—Dayton Mfg. Co., Dayton, Ohio
LINEOGRAPH duplicators—Lineograph Co., 112 Fulton, New York
LINGA kerosene carburetor—Specialty Brass Co., Kenosha, Wis.
LINK-BELT disc friction clutches, electric hoists, locomotive cranes, meat slicing machines, roller chain, safety elevator boots, silent chain, undercut gates & hooded chutes—Link-Belt Co., 329 W. 39th, Chicago, Ill.
LINO metal paint—Lino Paint Co., 16908 Waterloo rd, Cleveland, Ohio
LIN-O-CORE oils—Thompson & Co., 857 W North av., Pittsburgh, Pa.
LINOFELT deadening felts, cold storage insulation & bldg sheathing—Union Fibre Co., Inc., Winona, Minn.
LINOGRIP linoleum cements—Pulsifer, Kingston Co., 19 Eliot, Boston, Mass.
LINOID insulating paper—Crane Bros., Westfield, Mass.
LINOIL core oils—Werner G. Smith Co., Hird & Detroit, Cleveland, Ohio
LINOLAC insulating paints, paper, tape, varnishes—Mica Insulator Co., 68 Church, New York
LINO-O-LAC varnish substitutes—C. H. Boley Co., 3722 N. Randolph, Phila., Pa.
LINOLEUM cork washers—Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
LIN-O-LIN linseed oil substitutes—C. H. Boley Co., 372 N. Randolph, Phila., Pa.
LINOLITE electric lamps—I. P. Frink, Inc., 10th av & 24th, New York
LINOTILE sanitary flooring—Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
LINSTROM suction pipe—Western Railway Equipment Co., Central Nat. Bank bldg, St. Louis, Mo.
LINSTROTH farm wagons—Linstroth Wagon Co., 2616 Chouteau av, St. Louis, Mo.
LINTZ & ECKHART embroidery machines—Dubrow & Hearne Mfg. Co., 12 Wooster, New York
LINWOOD packing & hose—Hewitt Rubber Co., Buffalo, N. Y.
LION automobile truck trailers—Lion Buggy Co., C. H. & D. R. R., nr. Gest, Cincinnati, Ohio
LION core compounds—Keystone Foundry Supply Co., Buffalo, N. Y.
LION electric blasting apparatus, electric detonators—Aetna Explosives Co., 165 Broadway, New York
LION ensilage cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
LION folding rules—Adolph Strauss & Co., 1140 Broadway, New York
LION grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
LION heel plates—Fate-Root-Heath Co., Plymouth, Ohio
LION hot air furnaces—Youngstown Furnace Co., Youngstown, Ohio
LION insecticides—Jas. A. Blanchard Co., 30 Church, New York
LION sem metallic packing—James Walker & Co., 27 Thames, New York
LION paints—St. Paul White Lead & Oil Co., St. Paul, Minn.
LION rubber bottles—Tyer Rubber Co., Andover, Mass.
LION steam & hot water heaters—Pittsburgh Water Heater Co., Jenkins bldg., Pittsburgh, Pa.
LION traction engines—Lion Tractor Co., Minneapolis, Minn.
LION wall finish—Ohio & Western Lime Co., Huntington, Ind.
LION water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
LION BRAND belt lacing—New York Leather Belting Co., 465 Kent av, Brooklyn, N. Y.
LION HEAD seal presses—Sigwalt Mfg. Co., 3658 Armitage, Chicago, Ill.
LIP packing—Crandall Packing Co., Palmyra, N. Y.
LIPE-WALRATH broom sewing machines—Alphonso Walrath Co., Fort Plain, N. Y.
LIPPINCOTT axes—American Axe & Tool Co., Glassport, Pa.
LIQUID CEMENT COATING brick paints—Glidden Co., Madison av & Berea rd, Cleveland, O.
LIQUID CEMENT FILLER brick paints—Glidden Co., Madison av & Berea rd, Cleveland, O.
LIQUID CONCRETE brick paint—Glidden Co., Madison av & Berea rd, Cleveland, O.
LIQUID KONKERIT exterior paints—Toch Bros., 320 5th av, New York
LIQUID RUBBER brick paint—Glidden Co., Madison av & Berea rd, Cleveland, O.
LIQUID RUBBER CEMENT brick paint—Glidden Co., Madison av & Berea rd, Cleveland, O.
LIQUID SEAL fire extinguishers—S. F. Hayward & Co., 250 W. 54th, New York
LIQUID STOPLEAK roofing cement & paint—Jones Paint Co., Rome, N. Y.
LIQUID VELVET wall finish—O'Brien Varnish Co., South Bend, Ind.
LIQUID VENEER furniture polish—Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
LISK nickel plated copper ware, tinware, enameled specialties—Lisk Manufacturing Co., Canandaigua, N. Y.
LITCHFIELD manure spreaders—Litchfield Mfg. Co., Waterloo, Ia.
LITH deadening felts—Union Fibre Co., Inc., Winona, Minn.
LITHOFORM adhesive for painting galvanized iron—Am. Chemical Paint Co., 1118 S. 11th, Phila., Pa.

LITHOLINE medicinal petroleum oils—Union Petroleum Co., Widener bldg., Phila., Pa.
LITHOPLATE slate, blackboards—Caxton School Co., 560 W. Monroe, Chicago, Ill.
LITTLE BEAUTY dumb waiters—Energy Elevator Co., 214 New, Philadelphia, Pa.
LITTLE BEAUTY electric sad irons—Am. Elec. Heater Co., Burrough & Woodward, Detroit, Mich.
LITTLE BEAUTY kerosene night lamps—Silver & Co., 304 Hewes, Brooklyn, N. Y.
LITTLE BEN hand vacuum cleaners—Clements Mfg. Co., 609 Fulton, Chicago, Ill.
LITTLE BLACKSMITH hand power & portable punches & shears—J. F. Kidder Mfg. Co., Burlington, Vt.
LITTLE BLACKSMITH hand power punch & shear—H. Weiss & Co., 83 John, New York
LITTLE BOSS concrete mixers—American Cement Machine Co., Keokuk, Ia.
LITTLE BOY cultivators—King & Hamilton Co., Ottawa, Ill.
LITTLE BUSTER riding listers—Racine-Sattley Co., Springfield, Ill.
LITTLE CHAMPION pneumatic rock drills—Wickes Machinery Co., Jersey City, N. J.
LITTLE COMFORT sewing machines—Smith & Egge Mfg. Co., Bridgeport, Conn.
LITTLE CORPORAL tack claws & pullers—Fletcher-Terry Co., Forestville, Conn.
LITTLE DAVID pneumatic drills & hammers—Ingersoll-Rand Co., 11 Broadway, New York
LITTLE DEVIL concrete mixers—Chicago Builders Specialties Co., 11 S. La Salle, Chicago, Ill.
LITTLE DEVIL tractors—Hart-Parr Co., Charles City, Ia.
LITTLE DUKE riding listers—Peru Plow & Wheel Co., Peru, Ill.
LITTLE DUTCHMAN gang plows—Moline Plow Co., Moline, Ill.
LITTLE GEM can openers—Taylor Mfg. Co., Hartford, Conn.
LITTLE GEM Christmas tree holders—Peck C. A. Hardware Co., Berlin, Wis.
LITTLE GEM electric rosettes—Pass & Seymour, Solvay, N. Y.
LITTLE GEM garden cultivators—Hartman Mfg. Co., Vincennes, Ind.
LITTLE GEM spark plugs—Electrolamp Co., Detroit, Mich.
LITTLE GEM tack claws & pullers—Turner & Deegan, Bristol, Conn.
LITTLE GEM water heaters—Abendroth Bros., Port Chester, N. Y.
LITTLE GIANT alligator & scrap shears—Danville Iron & Steel Co., Danville, Pa.
LITTLE GIANT automobile wheel pullers—Premier Electric Co., 1123 S. Wabash av, Chicago, Ill.
LITTLE GIANT belt & motor driven hammers, clothes reels, ditchers, graders and tractors—Little Giant Co., Mankato, Minn.
LITTLE GIANT bobbin holders—Roney & Rae Co., Woonsocket, R. I.
LITTLE GIANT boiler injectors—Rue Mfg. Co., 228 Cherry, Phila., Pa.
LITTLE GIANT can openers—Bradley & Farnham, Middlefield, Conn.
LITTLE GIANT can openers—Ellis Mfg. Co., Milldale, Conn.
LITTLE GIANT cellar drainers—Chicago Pump Co., 2342 Wolfrom, Chicago, Ill.
LITTLE GIANT cement brick machines—La Grange Machine & Repair Co., La Grange, Ind.
LITTLE GIANT cockeyes—Frazer & Jones Co., Syracuse, N. Y.
LITTLE GIANT coffee & peanut pickers, threshers—Heebner & Sons, Lansdale, Pa.
LITTLE GIANT pneumatic piston drills & wood boring machines, elec. drills & grinders, pneumatic hoists & winches—Chicago Pneumatic Tool Co., 6 E. 44th, New York
LITTLE GIANT corn cutting machines—Voss Bros. Mfg. Co., Davenport, Ia.
LITTLE GIANT corn shellers—Fate-Root-Heath Co., Plymouth, Ohio
LITTLE GIANT cotton presses—Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
LITTLE GIANT dies & screw plates—Greenfield Tap & Die Corp'n, Greenfield, Mass.
LITTLE GIANT dish washing machines—National Dish Washer Co., Binghamton, N. Y.
LITTLE GIANT drill chucks—Westcott Chuck Co., Oneida, N. Y.
LITTLE GIANT dumb waiters—Energy Elevator Co., 214 New, Philadelphia, Pa.
LITTLE GIANT expansion bolts & screw sleeves—Stannard Mfg. Co., 371 Allen, Springfield, Mass.
LITTLE GIANT fanning mills—A. P. Dickey Mfg. Co., Racine, Wis.
LITTLE GIANT floor scraping machines—Hurley Machine Co., Cicero, Ill.
LITTLE GIANT force pumps—J. E. Kennedy, 30 E. 42nd, New York
LITTLE GIANT fruit jar wrenches, wire stretchers—Arcade Mfg. Co., Freeport, Ill.
LITTLE GIANT fuel oil burners, pump governors—G. E. Witt Co., 862 Howard, San Francisco, Cal.
LITTLE GIANT garden cultivators, celery hillers—Ohio Cultivator Co., Bellevue, Ohio
LITTLE GIANT gasoline hoists—Brown Clutch Co., Sandusky, Ohio
LITTLE GIANT grass hooks—H. S. Earle Mfg. Co., Ford bldg., Detroit, Mich.
LITTLE GIANT hay presses—Junior Monarch Hay Press Co., San Leandro, Cal.
LITTLE GIANT holder wrenches—Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.
LITTLE GIANT hub boring machines—Abbott & Co., Hudson, Mich.
LITTLE GIANT ice breakers—G. S. Blakeslee & Co., W. 19th & S. 52d av, Chicago, Ill.
LITTLE GIANT ice tongs—Parks & Parks, Troy, N. Y.
LITTLE GIANT jack screws—L. S. Starrett Co. The, Athol, Mass.
LITTLE GIANT laundry stoves—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162d, New York
LITTLE GIANT lemon squeezers—Landers, Frary & Clark, New Britain, Conn.
LITTLE GIANT linemen's splicing clamps—Irvington Mfg. Co., Irvington, N. J.
LITTLE GIANT marine engine—Duluth Gas Engine Works, Duluth, Minn.
LITTLE GIANT porch swings—Modern Mfg. Co., Hagerstown, Md.
LITTLE GIANT portable grain elevators—Portable Elevator Mfg. Co., Bloomington, Ill.
LITTLE GIANT post hole diggers—F. E. Kohler Co., Canton, Ohio
LITTLE GIANT potato diggers—Ohio Rake Co., Dayton, Ohio
LITTLE GIANT potato sprayers, insecticide dusters—Leggett & Bro., 301 Pearl, New York
LITTLE GIANT pruning saws—Henry Disston & Sons, Tacony, Phila., Pa.
LITTLE GIANT punches—Excelsior Tool & Machine Co., 32nd & Ridge, East St. Louis, Ill.
LITTLE GIANT punching & shearing machinery—Little Giant Punch & Shear Co., Sparta, Ill.
LITTLE GIANT riveting machines—A. C. Williams Co., Ravenna, Ohio
LITTLE GIANT rock drills—Ingersoll-Rand Co., 11 Broadway, New York
LITTLE GIANT scoops—Edw. J. Bissell, Milford, Mich.
LITTLE GIANT screen door braces—Automatic Door Catch Co., Harvey, Ill.
LITTLE GIANT scythes—North Wayne Tool Co., Hallowell, Me.
LITTLE GIANT shaft couplings—Thomas Flexible Coupling Co., Erie, Pa.
LITTLE GIANT spray pumps—F. E. Myers & Bro., Ashland, Ohio
LITTLE GIANT steam traps—Jno. F. Robertson Co., Park bldg, Pittsburgh, Pa.
LITTLE GIANT stokers—Hamler Boiler & Tank Co., 3906 S. Halsted, Chicago, Ill.
LITTLE GIANT tack claws & pullers—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
LITTLE GIANT tackle blocks—Pittsburgh Block & Mfg. Co., 818 South av, Pittsburgh, Pa.
LITTLE GIANT tube cleaners—Poole Mfg. Co., 325 Columbus av, Boston, Mass.
LITTLE GIANT vises, axle setters, blacksmiths' drilling machines—B. B. Noyes Co., Greenfield, Mass.
LITTLE GIANT water wheels—Munson Mill Machinery Co., Utica, N. Y.
LITTLE GIANT wire fence machines—Eureka Fence Mfg. Co., Richmond, Ind.
LITTLE GIANT wire splicers—Wagner Mfg. Co., Cedar Falls, Ia.
LITTLE GIANT wire stretchers—Hunt, Helm, Ferris & Co., Harvard, Ill.
LITTLE GIANT wood planing machines—Fisher & Davis Mfg. Co., 934 N. First, St. Louis, Mo.
LITTLE HUSTLER battery motors—Knapp Electric & Novelty Co., 511 W. 51st, New York
LITTLE JEWEL Christmas tree holders—Peck C. A. Hardware Co., Berlin, Wis.
LITTLE JOE cultivators—Towers & Sullivan Mfg. Co., Rome, Ga.
LITTLE JOE rail benders—What Cheer Tool Co., What Cheer, Ia.
LITTLE MONITOR hose nozzles—L. R. Nelson, Peoria, Ill.

LITTLE NIAGARA air washers—Narowetz Heating & Ventg. Co., 225 W. Lake, Chicago, Ill.
LITTLE POLLY corn brooms—Harrah & Stewart Mfg. Co., Des Moines, Ia.
LITTLE RHODY electric lamp flashlights—Providence Electric Mfg. Co., 23 Broad, Providence, R. I.
LITTLE SCHENER counter scales—Jones of Binghamton (Inc.), Binghamton, N. Y.
LITTLE STAR fruit & vegetable parers—Hudson Parer Co., Leominster, Mass.
LITTLE TIGER door checks & springs—Automatic Door Catch Co., Harvey, Ill.
LITTLE TUGGER portable hoists—Ingersoll-Rand Co., 11 Broadway, New York
LITTLE WONDER ash sifters—Aurora Steel Products Co., Aurora, Ill.
LITTLE WONDER coal drills—Wantling Favorite Coal Drill Co., Peoria, Ill.
LITTLE WONDER concrete mixers — Waterloo Cement Machinery Corp., Waterloo, Ia.
LITTLE WONDER disc sharpeners—A. E. Durner, Evansville, Wis.
LITTLE WONDER knife sharpeners—Lake Mfg. Co. 58 R. I. av, Washington, D. C.
LITTLE WONDER screw driver—Bridgeport Hardware Mfg. Co., Bridgeport, Conn.
LITTLE WONDER spray pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
LITTLE WONDER stocks & dies—J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
LITTLE WONDER tool kits—C. E. Jennings & Co., 71 Murray, New York
LITTLE YANKEE land graders—Ohio Road Machinery Co., Oberlin, Ohio
LITTLE YANKEE pencil sharpeners—J. E. Whiteacre Co., Rockford, Ill.
LIVE OAK oil hose—Pioneer Rubber Mills, San Francisco, Cal.
LIVE STEAM packing—A. W. Chesterton Co., 64 India, Boston, Mass.
LIVERPOOL grate settings—Henry Maurer & Son, 420 E. 23rd, New York
LIVERPOOL safety cargo hooks—Thos. Laughlin Co., Portland, Ore.
LIVING-STONE band concrete—Living Stone Co., Baltimore, Md.
LLOYD by-pass valves—Lloyd Construction Co., Detroit, Mich.
LLOYD'S crushing rolls—Wilmot Engineering Co., Hazleton, Pa.
LOBDELL wood rims—American Wood Rim Co., Onaway, Mich.
LOBEE soapmakers' pumps—Lobee Pump & Machinery Co., Buffalo, N. Y.
LOBSTER-CLAW battery connectors — Tregoning Electric Mfg. Co., Cleveland, Ohio
LOCALCASE case hardening compounds—Shore Instrument & Mfg. Co., The, Jamaica, N. Y.
LOCHMAN wood carving machines—Curtis Mach. Corp., Jamestown, N. Y.
LOCK Grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
LOCKE damper regulators—W. D. Garrett & Co., 126 Liberty, New York
LOCKE electric cable hangers—Cameron Appliance Co., Everett, Mass.
LOCKE electric portable drills—Electric Tachometer Co., 435 N. Broad, Phila., Pa.
LOCKE & JEWEL hub bands—Eastern Malleable Iron Co., Naugatuck, Conn.
LOCKE'S damper regulators—Locke Regulator Co., Salem, Mass.
LOCKE'S levels—David White Co., 419 E. Water, Milwaukee, Wis.
LOCKE'S levels—Keuffel & Esser Co., Hoboken, N. J.
LOCKFAST molasses gates—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
LOCKHART pipe nipple holders—R. Jas. Lockhart, 201 Millvale, Pittsburgh, Pa.
LOCK JAW file handles—M. W. Robinson Co., 296 B'way, New York
LOCK JOINT reinforced concrete pipe—Lock Joint Pipe Co., East Orange, N. J.
LOCK-ON handles—Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
LOCKWOOD range boiler stands — Central Foundry Co., 90 West, New York
LO-CO shaking grates—Kramer Bros. Foundry Co., Dayton, Ohio
LOCO MAGIC purifier—Loew Mfg. Co., 9100 Madison av, N. W., Cleveland, Ohio
LODEWICK'S portable fire escapes — Hamblin & Russell Mfg. Co., Worcester, Mass.
LOETZER valve & service boxes, double gate valves, fire hydrants—Loetzer Valve & Mfg. Co., ft. of Adams, Troy, N. Y.
LOEW ale filters—Loew Mfg. Co., 9100 Madison av, N. W., Cleveland, Ohio
LOGAN hot water radiators—Logansport Radiator & Equipment Co., Logansport, Ind.
LOMBARD friction clutches—Holyoke Machine Co., Worcester, Mass.
LONDON automobile wind shields—London Auto Supply Co., 2540 S. Wabash av, Chicago, Ill.
LONDON cloth finishing presses—Hydraulic Press Mfg. Co., Mt. Gilead, Ohio
LONDON dusters—S. Levy, 618 New Market, Phila., Pa.
LONE STAR cement—Texas Portland Cement Co., Dallas, Texas.
LONE STAR cotton planters—J. I. Case Plow Works, Racine, Wis.
LONE STAR paints, wood preservatives—Reeves Co., 805 Howard av, New Orleans, La.
LONG automobile horns—G. Piel Co., 29 13th, Long Island City, N. Y.
LONG chain quillers—Whitin Machine Works, Whitinsville, Mass.
LONG steel tray barrows—Miller & Coulson, Diamond Bank bldg., Pittsburgh, Pa.
LONG BEACH seal presses—Sigwalt Mfg. Co., 3658 Armitage, Chicago, Ill.
LONG DISTANCE spark plugs—Long Distance Spark Plug Co., Indianapolis, Ind.
LONG LIFE carbon brushes—Speer Carbon Co., St. Marys, Pa.
LONGLIFE conveyor belting—B. F. Goodrich Co., Akron, Ohio
LONG LIFE packing—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
LONG LIFE rubber hose—Whitehead Bros. Rubber Co., Trenton, N. J.
LONG RANGE arbor presses—United Engine & Mfg. Co., Hanover, Pa.
LONG SAUT cable supporting clamps—Diamond Expansion Bolt Co., 89 West, New York
LONG'S machinists' clamps—Crescent Forgings Co., Oakmont, Pa.
LONGWEAR asbestos brake lining—Asbestos & Rubber Works of N. J., Camden, N. J.
LONGYEAR core drills—E. J. Longyear Co., Minneapolis, Minn.
LOOK & LINCOLN farm wagons—Look-Lincoln, Marion, Va.
LOOKOUT alarm clocks—Western Clock Co., La Salle, Ill.
LOOMIA silos—J. H. Loomis & Sons, Phoenix, N. Y.
LOOMIS oil engines—Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, Ohio
LOOPLEVER hame chains—Niagara Falls Metal Stamping Wks., Niagara Fall, N. Y.
LORD & BURNHAM hot water heaters—Lord & Burnham Co., Irvington, N. Y.
LORD'S boiler compounds—Henry Lord Chemical Co., 101 E. 32nd, Baltimore, Md.
LORICATED interior conduits—Garland Mfg. Co., 1st Nat'l Bk. bldg, West Pittsburgh, Pa.
LOROL belt dessing—Viscol Co., Cambridge, Mass.
LOSANT rubber hose—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
LO SWING turning lathes & projectile machinery—Fitchburg Machine Works, Fitchburg, Mass.
LO-TEX brick & tile—Longmont Brick & Tile Co., Longmont, Colo.
LOTHROP belt awls—Manufacturers' Belt Hook Co., 1321 W. Congress, Chicago, Ill.
LOTT wire stretchers—Am. Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
LOUDEN barn door hangers, hay carriers, hay fork pulleys—Louden Machinery Co., Fairfield, Ia.
LOUISIANA hoes—Union Fork & Hoe Co., Columbus, Ohio
LOUISVILLE-AVERY traction engines—B. F. Avery & Sons, Louisville, Ky.
LOUISVILLE SLUGGER baseball bats—Hillerich & Bradsby Co., Louisville, Ky.
LOUISVILLE stalk cutters—B. F. Avery & Sons, Louisville, Ky.
LOURIE-NO-SMOKE forge hoods — Lourie Mfg. Co., Springfield, Ill.
LOVEJOY carbureters—Hoyt Electric Instrument Works, Penacock, N. H.
LOVEJOY old man drilling posts—Lovejoy Tool Works, 319 W. Ohio, Chicago, Ill.
LOVELL skylight ventilating apparatus—G. Drouve Co., 40 Tulip, Bridgeport, Conn.
LOW DOWN concrete mixers—Elite Mfg. Co., Ashland, Ohio
LOW MOOR pig iron—Low Moor Iron Co., Low Moor, Va.
LOW MOOR steel—Houghton & Richards, 145 Oliver, Boston, Mass.
LOWATT incandescent electric lamps—Edison Lamp Works of G. E. Co., Harrison, N. J.

LOWDEN oil extractors—Chas. Jacobs & Co., 258 Franklin, Boston, Mass.
LOWE feed water heaters, tubular boilers—Bridgeport Boiler Works Co., Bridgeport, Conn.
LOWE gas engines—Lowe Bros. Machine & Engine Works, Columbus, Ohio
LOWE staybolt breakers—Williams, White & Co., Moline, Ill.
LOWELL slop sinks—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
LOWELL vises & reversible ratchet wrenches—Lowell Wrench Co., Worcester, Mass.
LOWEST LOW-DOWN manure spreaders—New Idea Spreader Co., Coldwater, Ohio
LOWRIE wall safes—Lowrie Safe & Lock Mfg. Co., 400 N. Oakley blvd., Chicago, Ill.
LOWVOLT transformers—Campbell Electric Co., 17 Stewart, Lynn, Mass.
LOXON enameled metal tile—Penn Metal Co., 65 Franklin, Boston, Mass.
LOXON lamp guards—McGill Mfg. Co., Valparaiso, Ind.
LOXRITE metallic shingles—Hyndman Roofing Co., 318 E. 2nd, Cincinnati, Ohio
LOXSPRING harness snaps—North & Judd Mfg. Co., New Britain, Conn.
LUBRANTINE grease—Wm. C. Robinson & Son Co., 32 South, Baltimore, Md.
LUBRICENE lubricating oils & greases—Northern Chemical Co., Cleveland, Ohio
LUBRICOOL cutting & drilling compounds—Farr Mfg. Co., Tonawanda, N. Y.
LUBRIKO lubricating oils & greases—Commercial Lubricating Co., cor. Meadow & Jackson, Philadelphia, Pa.
LUBROBESTOS packing—A. W. Chesterton Co., 64 India, Boston, Mass.
LUBRON packing—Lubron Co., Everett, Mass.
LUBRO VISCO lubricating oils & greases—Post & Lester Co., Hartford, Conn.
LUB-WELL cutting & drilling compounds—G. Whitfield Richards, 1732 Carlton, Phila., Pa.
LUCAS belt sanding machines—Curtis Machine Corp., Jamestown, N. Y.
LUCAS chain tape & steel chain measuring tapes—J. C. Ulmer Co., E. 38th & Kelly, Cleveland, O.
LUCAS power presses—Lucas Machine Tool Co., 524 E. 99th, Cleveland, Ohio
LUCAS power pumps—Lucas Miner Tool & Production Co., Dayton, O.
LUCAS switches, spring rail frogs—Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
LUCASEAL enamels—John Lucas & Co., 322 Race, Phila., Pa.
LUCEO glass shades—Jefferson Glass Co., Follansbee, W., Va.
LUCERA nickel-copper resistance wire—Electrical Alloy Co., Morristown, N. J.
LUCEY steam pumps—Lucey Mfg. Corp., 233 B'way, New York
LUCKIE steel fishing rods—Horton Mfg. Co., Bristol, Conn.
LUCKY HIT cultivators—Racine-Sattley Co., Springfield, Ill.
LUCKY STRIKE babbitt metal—Cleveland Alloys Co., Elm & Superior, Cleveland, Ohio
LUDINGTON'S copy holders—Beaton & Cadwell Mfg. Co., New Britain, Conn.
LUDLOW railway track drills—Johnston & Jennings Co., Addison rd & N. Y. C. R. R., Cleveland, Ohio
LUDLOW valves—Ludlow Valve Mfg. Co., ft. of Adams, Troy, N. Y.
LUDOWICI-CELADON roofing tile—Ludowici-Celadon Co., Monroe bldg., Chicago, Ill.
LUEDINGHAUS farm wagons—Luedinghaus-Espenschied Wagon Co., 1717 N. Broadway, St. Louis, Mo.
LUHRIG elevator buckets & jigs for coal washeries—Link-Belt Co., 329 W. 39th, Chicago, Ill.
LUITWIELER fire engines, pumping engines—Luitwieler Pumping Engine Co., Rochester, N. Y.
LUKENS babbitt metal—Thos. F. Lukens Metal Co., 238 N. 4th, Phila., Pa.
LULL & PORTER blind hinges—Grey Iron Casting Co., Mt. Joy, Pa.
LUMA luminous compounds—Radium Chemical Co., Forbes & Meyran av, Pittsburgh, Pa.
LUMBERMAN'S hand carts—A. Streich & Bro. Co., Oshkosh, Wis.
LUMEN bearings—Lumen Bearing Co., Buffalo, N. Y.
LUMINO metal polish—F. T. Lord Polish Co., Cambridge, Mass.
LUMITE aluminum castings—Cincinnati Aluminum Casting Co., Norwood, Cincinnati, Ohio
LUNA bathing caps, rubber gloves—Star Rubber Co., Akron, Ohio
LUNA electric illuminated signs—Haller Sign Works, 115 N. Desplaines, Chicago, Ill.



LUNCEN door switches, electric bells—Edwards & Co., Exterior av & 140th, New York
LUNDELL dynamo & motors, electric ceiling fans—Sprague Electric Works, 527 W. 34th, New York
LUNDIN electric fault finders—Lundin Electric & Machine Co., 10 Thatcher, Boston, Mass.
LUNDY gasoline blast furnaces, fire-pots—Double Blast Mfg. Co., North Chicago, Ill.
LUNGMOTOR resuscitating devices—Life Saving Devices Co., 710 W. Madison, Chicago Ill.
LUPOS porch columns—American Veneer Column Co., 913 Grand, Brooklyn, N. Y.
LUPTON metallic window frame, puttyless skylight & conductor pipe elbows—David Lupton's Sons Co., Allegheny av & Tulip, Phila., Pa.
LUSTER FINISH carriage top dressing—Endurance Autoil Co., Muncie, Ind.
LUSTRA architectural varnishes—Murphy Varnish Co., 224 McWhorter, Newark, N. J.
LUSTREINE liquid polish—Oscar Schlegel Mfg. Co., 124 E. 13th, New York
LUSTRO floor finish—Hanna Paint Mfg. Co., Columbus, Ohio
LUSTRO furniture polish—W. W. Lawrence & Co., Pittsburgh, Pa.
LUTECA red lead—Wm. Waterall & Co., Camden, N. J.
LUTHE shoveling & end gate boards—Peoria Drill & Seeder Co., Peoria, Ill.
LUTZ electric wiring mouldings—American Circular Loom Co., Chelsea, Mass.
LUTZ file handles—Lutz File Co., 806 B'way, Cincinnati, Ohio
LUTZ quilting machines, tool holders & wrenches—Lutz Co., Inc., 31st & Grays Ferry av, Phila., Pa.
LUXAR rubber tops material—Du Pont Fabrikoid Co., Wilmington, Del.
LUXFER prism lights & expanded metal lath—American Luxfer Prism Co., 1305 S. 55th, Chicago, Ill.
LUXFIBIL willow, rattan & reed furniture—Burrows E. T. Co., Portland, Me.
LUXOR shade cloth—Western Shade Cloth Co., 21st & Jefferson, Chicago, Ill.
LUXSTAR WHITE pure white enamel paint—Ceresit Waterproofing Co., 110 S Dearborn, Chicago, Ill.
LUXURIA portable shower baths—A. Weiskittel & Son Co., 12th & E. Lombard, Baltimore, Md.
LUXURY canned goods—Otoe Food Products Co., Nebraska City, Neb.
LUXURY folding seats—Hodge & Graves Co., Amesbury, Mass.
LUXURY radical gas heaters—Lawson Mfg. Co., Homestead, Pa.
LYCOMING gasoline engines—Lycoming Foundry & Machine Co., Williamsport, Pa.
LYKNU furniture polish—Lyknu Polish Mfg. Co., 916 Forbes, Pitsburgh, Pa.
LYLE yacht cannons—David Kahnweiler's Sons, 260 Front, New York
LYMAN barbed wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
LYNCH automobile chain locks—Edw. B. Stimpson Co., 68 Franklin av, Brooklyn, N. Y.
LYNCH bottle blowing machinery—Lynch Glass Machinery Co., Anderson, Ind.
LYNCH-GAKEN lock buckles—Edw. B. Stimpson Co., 68 Franklin av, Brooklyn, N. Y.
LYNN sewer gas traps—Central Foundry Co., 90 West, New York
LYNUX bronze bearings, bushings & casting—Aluminum Castings Co., 2210 Harvard av, Cleveland, O.
LYON heel stiffeners—Stowell Co., So. Milwaukee, Wis.
LYON iron & steel roofing & siding stove pipe & elbows—Lyon, Conklin & Co., 19 Balderston, Baltimore, Md.
LYON lawn mowers—S. P. Townsend & Co., Orange, N. J.
LYON mechanical resuscitating device—Cleveland Breathing Machine Co., 1856 Euclid av, Cleveland, Ohio
LYON silica brick—Kier Fire Brick Co., Oliver bldg, Pittsburgh, Pa.
LYON steel factory equipment, lockers, benches, racks, partitions, desks, tables, trucks—Lyon Metallic Mfg. Co., Aurora, Ill.
LYONORE metal conductor pipe—Lyon, Conklin & Co., 19 Balderston, Baltimore, Md.
LYONS automobile wind shields—Hugh Lyons & Co., Lansing, Mich.
LYONS fanning mills—Nagley Mfg. Co., Lyons, N. Y.
LYRA cylinder oil—Texas Company, 17 Battery pl, New York
LYROCO steam traps—Lytton Rowe Mfg. Co., Norfolk, Va.
LYSTER skylight ventilating apparatus—Lyster Sheet Metal Co., 1216 Filbert, Phila., Pa.

LYTESTRONG pressed steel shaft hangers—Bond Foundry & Machine Co., Manheim, Lancaster, Pa.
LYTTON blow-off valves, pressure regulators, steam traps—Lytton Mfg. Corp., Franklin, Va.
M belting—Moloney Belting Co., 130 N. Franklin, Chicago, Ill.
M valves—Milwaukee Valve Co., 139 Burrell, Milwaukee, Wis.
M. A. C. cleaning compounds—Monahan Antiseptic Co., 116 N. Curtis, Chicago, Ill.
M. B. C. roofing cements—Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
M. B. P. carbon paper & typewriter ribbons—Miller-Bryant-Pierce Co., Aurora, Ill.
M-C gear hobbers & gears—Meisselbach-Catucci Mfg. Co., 25 Congress, Newark, N. J.
M. C. lubricating oils & greases—Mound City Oil & Supply Co., 204 N. Commercial, St. Louis, Mo.
M. C. B. car couplers—National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, O.
M-C-K elevator safety devices—Surety Guard Co., 62 E. Lake, Chicago, Ill.
M. C. S. asbestos brake lining, clutch compounds, spark plugs—Motor Car Supply Co., 1453 Michigan av, Chicago, Ill
M. COVEL belt fasteners—Manufacturers' Belt Hook Co., 1321 W. Congress, Chicago, Ill.
M. D. S. power vacuum cleaners—Clayton-Marlborough Mfg. Co., Rochester, N. Y.
M. F. M. A. maple, beech & birch flooring—Maple Flooring Mfrs. Assn., Stock Exchange bldg, Chicago, Ill.
M. H. ball cocks—Exeter Brass Works, Exeter, N. H.
M. H. ATERITE non-corrosive alloy & products—M. H. Aterite Co., 55 John, New York
M. I. C. insulating compounds, paints, paper & varnish—Mica Insulator Co., 68 Church, New York
M. I. F. Co., boat anchors, cleats, hooks, row-locks, chain shackles, cut spikes, zinc coated nails, engine & machine oilers—Malleable Iron Fittings Co., Branford, Conn.
M. I. W. curb & valve boxes, sink brackets, floor flanges, flush tank regulators & range boiler stands—Modern Iron Works, Quincy, Ill.
M. K. disc harrows—Kingman Plow Co., Peoria, Ill.
M. K. & T. weed burners—Commonwealth Steel Co., Pierce bldg., St. Louis, Mo.
M. L. B. clutch linings—Milwaukee Leather Belting Co., 146 W. Water, Milwaukee, Wis.
M. M. C. magnetic separators & pulleys—Magnetic Mfg. Co., 864 Windlake av., Milwaukee, Wis.
M. P. floor finish—Glidden Co., Madison av & Berea rd, Cleveland, O.
M. P. rust proof coating—B. Binswanger & Co., 329 N. 3rd. Phila., Pa.
M. R. V. tilting crucible brass melting furnaces—J. B. Wise, Inc., Watertown, N. Y.
M. S. C. carbon removers—Motor Car Supply Co., 1453 Michigan av, Chicago, Ill.
M. S. CO. tanks & ventilators—Mobile Steel Co., Mobile, Ala.
M. V. B. ball cocks, closet seat hinges, flushing valves — Morency-Van Buren Mfg. Co., Sturgis, Mich.
M. W. trolley wire clamps—Ohio Brass Co., Mansfield, Ohio
M. & B. carbureters—A. R. Mosler & Co., Mt. Vernon, N. Y.
M. & B. gaff hooks—General Phonograph Corp., 25 W. 45th, New York
M. & B. sucker rod sockets—Masseth Packer & Machine, Butler, Pa.
M. & E. grease cup lubricators—Merchant & Evans Co., Washington av & 21st, Phila., Pa.
M. & H. feed & litter carriers—Miller & Hay Mfg. Co., Wauseon, O.
M. & I. hand torches, sheet steel oilers—Walter Mfg. Co., Pittsburgh, Pa.
M. & M. diamond metal polish—Motor & Machinists Supply Co., Kansas City, Mo.
M. & M. hog knives—Mitts & Merrill, Saginaw, Mich.
M. & M. rail clamps—M. & M. Rail Clamp Co., 102 N. Parkway, Pittsburgh, Pa.
M. & M. tire cements—M. & M. Mfg. Co., Akron, Ohio
M. & S. automobile magneto igniters—Sleeper Co., Fowler, Ind
M. & W. paper mill screens—Moore & White Co., N. 15th & Lehigh av, Phila., Pa.
McALEER wash boilers—E. J. McAleer & Co., 1422 N. 8th, Phila., Pa.
McARTHUR portable fire escapes—McArthur Portable Fire Escape Co., Cleveland, Ohio
McAULEY steam traps—McAuley Automatic Trap Co., Imperial Power bldg, Pittsburgh, Pa.
McAULIFFE traps—McAuliffe Non-Siphoning Trap Co., 127 Purchase, Boston, Mass.
McBEAN steel ranges—Daniel Mahoney & Sons, 17 Main, Buffalo, N. Y.
McBRIDE electric glove stretchers—C. L. McBride Mfg. Co., Toledo, Ohio
McCABE door hangers—McCabe Hanger Mfg. Co., 426-428 W. 25th, New York
McCABE flanging machines—McCabe Mfg. Co., Lawrence, Mass.
McCADDEN leakless piston rings—McCadden Machine Works, St. Cloud, Minn.
McCANNA'S thread cutting tools — John M. Rogers Works, Gloucester, N. J.
McCANN'S spreader cars—Mann & McCann Co., Fisher bldg., Chicago, Ill.
McCARTHY'S baggage racks—Rostand Mfg. Co., Milford, Conn.
McCASLIN bucket elevators, gravity conveyors—Mead-Morrison Mfg. Co., cor. Prescott & Orleans, East Boston, Mass.
McCAULL carriage bows—Downey Bros., Spoke & Bending Co., Lancaster, Pa.
McCAULL carriage bows—Medina Bending Works, Medina, Ohio
McCHESNEY galvanized steel wire hose bands—J. S. McChesney & Co., 444 Wells, Chicago, Ill.
McCLAVE grate bars, mechanical stokers—McClave-Brooks Co., Poplar, Scranton, Pa.
McCLELLAN files—Nicholson File Co., Providence, R. I.
McCLELLAN trap vents—F. N. Dubois & Co., 247 9th av, New York
McCLURE hot blast stoves—G. W. McClure Son & Co., Bessemer bldg., Pittsburgh, Pa.
McCLURE seats & tanks—Globe Fixture & Furniture Co., Quincy, Ill.
McCOOL blind stitching & felling machines—Acme Keystone Co., Beaver Falls, Pa.
McCORD lubricators, journal boxes & spring dampers—McCord & Co., 122 S. Michigan av, Chicago, Ill
McCORMICK binder twine, cultivators, harrows, mowers, reapers, harvesters, binders, corn huskers, corn pickers, hay stackers, hay tedders—International Harvester Company of America (Inc.), Harvester bldg, Chicago, Ill.
McCORMICK blue grass harvesters—McCormick Bros., Winchester, Ky.
McCORMICK hydraulic turbines & turbine water wheels—S. Morgan Smith Co., York, Pa.
McCOY ground connection clamps—Cameron Appliance Co., Everett, Mass.
McCOY oil & grease cups—Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
McCRACKEN concrete mixers & drag sawing machines—Sioux City Engine & Machy. Co., Sioux City, Ia.
McCROSKY reamers, expanding mandrels—McCrosky Reamer Co., Meadville, Pa.
McCULLOCH shovels, spades & scoops—Owensboro Shovel & Tool Co., Owensboro, Ky.
McCULLOCH spark timers—A. P. McCulloch Machine Co., 216 High, Boston, Mass.
McDANIEL boiler injectors, exhaust heads, steam traps—Watson & McDaniel Co., 146 N. 7th, Philadelphia, Pa.
McDONALD basin cocks—A. Y. McDonald Mfg. Co., Dubuque, Ia.
McDONALD wagon scales—Moline Plow Co., Moline, Ill.
McDONNELL transformers—Wesco Supply Co., 7th & Clark, St. Louis, Mo.
McDONOUGH damper regulators, pump governors, feed water regulators — McDonough Automatic Regulator Co., 716 Grand River av., Detroit, Mich.
McDOUGAL smelting furnaces—Allis-Chalmers Mfg. Co., Milwaukee, Wis.
McFEELY hydraulic pumps—Tranter Mfg. Co., 105 Water, Pittsburgh, Pa.
McGIFFERT log loaders—Clyde Iron Works Sales Co., Duluth, Minn.
McGIFFIN automobile wind shields — Automobile Specialties Co., E. E. Jenkins Arcade, Pittsburgh, Pa.
McGILL change carriers, conductors' ticket punches —Metal Products Co., 1646 Walnut, Chicago, Ill.
McGILL paper fasteners—Waterbury Brass Goods Corp., Waterbury, Conn.
McGILL'S BABY pumpless gasoline torches—McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
McGRATH pneumatic motors—Draper Mfg. Co, Port Huron, Mich.
McGREGOR boiler braces—Jos. T. Ryerson & Son, 2558 W. 16th, Chicago, Ill.
McGREGOR gauge glasses—A. W. Chesterton Co., 64 India, Boston, Mass.
McGUIRE roof flanges—H. E. Hessler Co., Syracuse, N. Y.

McGUIRE stove pipe thimbles—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
McGUIRE-CUMMINGS snow sweepers — McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg., Chicago, Ill.
McHENRY track gauges, track levels—Fairbanks, Morse & Co., Sheffield Plant, Three Rivers, Mich.
McINNES tool steel — McInnes Steel Co. (Ltd.), Corry, Pa.
McINTYRE hose couplings—Combination Ladder Co., 366 Fountain, Providence, R. I.
McKEE gas fired boilers—Eclipse Fuel Engineering Co., 100 Forbes, Rockford, Ill.
McKEE grease cups—Lindholm Metal Stamping Co., Camden, N. J.
McKEEN interurban gasoline cars—McKeen Motor Car Co., Omaha, Nebr.
McKELLAR steam traps—W. T. Garratt & Co., 299 Fremont, San Francisco, Cal.
McKENNA iron rail & rolling mills—American McKenna Process Co., Milwaukee, Wis.
McKENNA reinforcing bar benders—McKenna Co., 1851 E. 38th, Cleveland, Ohio
McKENZIE potato sprayers—McKenzie Mfg. Co., La Crosse, Wis.
McKESSON-RICE screenles sizers—Stearns-Rager Mfg. Co., Denver, Colo.
McKIERNAN-TERRY pile driving hammers & rock drills—Terry Drill Co., 17 Park Row, New York
McKIM metallic gaskets—McCord Mfg. Co., 2587 Grand blvd., Detroit, Mich.
McKINE dry measures—Acme Sheet Metal Co., Martins Ferry, Ohio
McKINNEY ironing boards—Tyrone Ironing Board Co., Tyrone, Pa.
McKINNON folding automobile seats — McKinnon Dash Co., Buffalo, N. Y.
McKINNON grease cups, valve re-seating machines—McKinnon Iron Works, Ashtabula, Ohio
McLANAHAN coal jigs—McLanahan-Stone Machine Co., Holidaysburg, Pa.
McLAUGHLIN lock-nuts & washers, flexible metallic conduits—Franklin Railway Supply Co., 30 Church, New York
McLEAN'E swastika carriage top dressing—McLean-Jones Oil & Supply Co., Inc., 40 Court, Boston, Mass.
McMAHON cable grips—Hallet Iron Works, Harvey, Ill.
McMANUS track engines, track levels—Buda Co., Railway Exchange bldg., Chicago, Ill.
McMICHAEL'S improved viscosimeters—Elmer & Amend, 205 3rd av, New York
McMICKEN car wheel holders—Ransome Concrete Machy. Co., Dunellen, N. J.
McNAB chart room & engine revolution counters, indicating ship telegraph apparatus, marine clocks, whistle pulls, steamship draft gauges—McNab Co., Bridgeport, Conn.
McNAULL tires—McNaull Tire Co., Ohio bldg., Toledo, Ohio
McNUTT non-explosive can—McNutt Can Sales Co., Inc., 83 Chambers, New York
McPARTLAND rail clutches—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
McSHANE ball cocks—McShane Bell Foundry Co., Harford av & B. & O. R. R., Baltimore, Md.
McSHERRY harrows, planting drills, seeders & sowers, shovel plows—Fetzer & Co., Springfield, Ill.
McVICAR engine oilers—Mine & Smelter Supply Co., 42 B'way, New York
McVICKER gasoline engines—Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
McWADE speaking tubes—Vulcan Mfg. Co., 3140 S. Canal, Chicago Ill.
McWHORTER peanut planters, potato planters, spring cotters—McWhorter Mfg. Co., Riverton, N. J.
McWILLIAMS metering panel boards—Geo. Cutter Co., South Bend, Ind.
MAAS seal presses—Sigwalt Mfg. Co., 3658 Armitage, Chicago, Ill.
MABBS rawhide packing—Chicago Rawhide Mfg. Co., 1301 Elston av, Chicago, Ill.
MABBS rawhide packing—Mabbs Hydraulic Packing Co., 42 Manhattan bldg, Chicago, Ill.
MABIR insulator pins—Electrical Material Co., 618 W. Jackson blvd, Chicago, Ill.
MAC brass oil cups—Wm. Powell Co., Cincinnati, Ohio
MACBETH lamp chimneys — Macbeth-Evans Glass Co., Pittsburgh, Pa.
MACCOLL spooler guides, bobbin holders — Draper Corp., Hopedale, Mass.
MACDONALD shaking grates—International Engineering Works, Framingham, Mass.
MACFARLANE switches & switchboards—Blake Electric Mfg. Co., 1 Rowes Wharf, Boston, Mass.
MacGREGOR golf balls—Crawford, McGregor & Conby Co., Dayton, Ohio
MACHMAN feed water purifiers—D. W. Patterson, Harrison bldg., Phila., Pa.
MAC-IT hollow set & cap screws—Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, O.
MACK motor fire engines—International Motor Co., 262 64th, New York
MACK stenographers' copy holders—Weber-Knapp Co., Jamestown, N. Y.
MAC-KAE BLITZ spark plugs — Randall-Faichney Co., Boston, Mass.
MACKENZIE gas exhausters—Isbell-Porter Co., 46 Bridge, Newark, N. J.
MACKIE & SONS flax machinery—Wm. Firth, 200 Devonshire, Boston, Mass.
MACKIN automobile oil gauges—Mackin Oil Gauge Co., 33 N. Foster, Worcester, Mass.
MACKINTOSH sugar centrifugals—S. S. Hepworth Co., 2 Rector, New York
MacLEAN dumping carts—MacLean & McCurdy, Dorchester, Boston, Mass.
MAC WHYTE wire rope & rope accessories — Macomber & Whyte Rope Co., Kenosa, Wis.
MACNICHOLS brick paints—Pyramid Paint Co., 133 N. 22nd, Phila., Pa.
MACONITE insulated wire — Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
MACUNGLE pig iron—Empire Steel & Iron Co., Catasauqua, Pa.
MacPHERSON frogs, switches & crossings—Ramapo Iron Works, Hillburn, N. Y.
MADDENS deflecting automobile lenses—Madden Glass Co., Aberdeen, S. Dak.
MADDOCK closet spuds—Trenton Brass & Machine Co., Trenton, N. J.
MADDOCK'S drinking fountains — Thos. Maddock's Sons Co., Trenton, N. J.
MADDOX mitreing machines—Maddox Machine Co., Jamestown, N. Y.
MADDRESS chain tongs—Union Tool Co., Torrance, Cal.
MADE RIGHT KNICKERBOCKER pullman driver motor luncheon cases—Knickerbocker Case Co., 230 N. Clinton, Chicago, Ill.
MADIERA grease cups—Lindholm Metal Stamping Co., Camden, N. J.
MADISON shears & scissors—Wiebush & Hilger, 106 Lafayette, New York
MADISON SQUARE automobile annunciators—Cowles, C., & Co., New Haven, Conn.
MADSEN automatic water heaters—Thermal Appliance Co., 420 W. 27th, New York
MAGEE boiler couplings—Trenton Brass & Machine Co., Trenton, N. J.
MAGEE steam heaters — Magee Furnace Co., 38 Union, Boston, Mass.
MAGIC basin clamps—Glauber Brass Mfg. Co., 49th & Superior av, N. E., Cleveland, Ohio
MAGIC belt dressing—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
MAGIC boiler compounds—Garratt-Callahan Co., 80 Fremont, San Francisco, Cal.
MAGIC currycombs—F. E. Kohler Co., Canton, Ohio
MAGIC decarbonizer carbon removers—Hall-Thompson Co., Hartford, Conn.
MAGIC drill chucks, twist drill collets—Modern Tool Co., 300 State, Erie, Pa.
MAGIC drill grinders—National-Standard Co., Box 211, Niles, Mich.
MAGIC fire place heaters—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
MAGIC flour sieves—Wickwire Spencer Steel Corp., Worcester, Mass.
MAGIC hose menders—Hamblin & Russell Mfg. Co., Worcester, Mass.
MAGIC massage vibrators—Adam Fisher Mfg. Co., 3624 Enright, St. Louis, Mo.
MAGIC oil stoves — Taylor & Boggis Foundry Co., Cleveland, Ohio
MAGIC packing—New York Belting & Packing Co., 91 Chambers, New York
MAGIC paint & varnish removers—Chicago White Lead & Oil Co., 1454 Southwestern av, Chicago, Ill.
MAGIC paint & varnish remover—Wadsworth-Howland & Co., 141 Federal, Boston, Mass.
MAGIC razor strops—L. W. Loveless Mfg. Co., Lafayette, Ind.
MAGIC sink cleaners—New York Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
MAGIC splicing compound tape—Boston Woven Hose & Rubber Co., Cambridge, Mass.

MAGIC tire & axle shrinkers—South Bend Foundry Co., South Bend, Ind.
MAGIC vacuum cleaners—Innovation Electric Co., 585 Hudson, New York
MAGIC wall paper size—Cott-a-Lap Co., Somerville, N. J.
MAGIC water power washer—Blackstone Mfg. Co., Jamestown, N. Y.
MAGIC SOLVENT paint & varnish remover—McPhee & McGinnity Co., Denver, Colo.
MAGILL PATN. paper fasteners—Dennison Mfg. Co., 26 Franklin, Boston, Mass.
MAGNALITE airplane piston—Levett, Walker M. Co., 417-421 E. 23d, New York
MAGNELITE engine pistons—Walker M. Levett Co., 417 E. 23d, New York
MAGNESIA locomotive lagging—H. W. Johns-Manville Co., Madison av & 41st, New York
MAGNET blotting paper—Eaton-Dikeman Co., Lee, Mass.
MAGNET iron & steel roofing—Cincinnati Sheet Metal & Roofing Co., 226 E. Front, Cincinnati, Ohio
MAGNET lubricating oils & greases—Valvoline Oil Co., 11 Broadway, New York
MAGNET rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
MAGNET splicing compound tape—Boston Woven Hose & Rubber Co., Cambridge, Mass.
MAGNET steel for permanent magnets—Halcomb Steel Co., Syracuse, N. Y.
MAGNET stoves—Pittston Stove Co., Pittston, Pa.
MAGNETIC gas stoves & radiators—Southard-Robertson Co., Peekskill, N. Y.
MAGNETO packing—Randolph Brandt, 70 Cortlandt, New York
MAGNETO telephone bells—Bridgeport Brass Co., Bridgeport, Conn.
MAGNITE cold water paints—Flintkote Co., 88 Pearl, Boston, Mass.
MAGNOLIA cement—Southern Cement Co., Birmingham, Ala.
MAGNOLIA garden cultivators—Ohio Cultivator Co., Bellevue, Ohio
MAGNOLIA metallic shingles—Moeschl-Edwards Corrugating Co., Covington, Ky.
MAGNOLIA packing—Magnolia Metal Co., 113 Bank, New York
MAGNOLIA pantry sinks—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
MAGNOLIA sheet packing—Jenkins Bros., 80 White, New York
MAGNUM heating stove—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
MAGNUS conveyor belting, packing, rubber mats & hose—Hewitt Rubber Co., Buffalo, N. Y.
MAGYAR spade & shovel—Conneaut Shovel Co., Conneaut, Ohio
MAGYAR UNIONS mining machine shovels—Conneaut Shovel Co., Conneaut, Ohio
MAHECO hot water heat generators—Makin Heating Co., 1827 Filbert, Phila., Pa.
MAHLSTEDT multicolor press—Lisenby Mfg. Co., Fresno, Call.
MAHONEY drinking fountains—Myers & Mahoney Plumbing Co., Portland, Me.
MAHONING expanded metal & lath—Youngstown Presed Steel Co., Warren, Ohio
MAHONING expanded metal lath, iron & steel roofing, plasterers steel corner beads—Sharon Steel Hoop Co., Sharon, Pa.
MAHONY grate bars, shaking grates—Godfrey-Keeler Co., 70 Warren, New York
MAIER'S lacquer—John G. Maier's Sons, 153 N. Gay, Baltimore, Md.
MAIHAK engine indicators—Bacharach Industrial Instrument Co., 14 Wood, Pittsburgh, Pa.
MAIL padlocks—Slaymaker Lock Co., Lancaster, Pa.
MAIMIN electric cloth cutting machines—H. Maimin Co., 251 W. 19th, New York
MAIN LIGHT storage battery charging sets & elec. light plants—Main Elec. Co., Cleveland, Orio
MAINSPRING wheat flour—Mennel Milling Co., Toledo, Ohio
MAJER garden hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
MAJESTIC clothes washing machines—Richmond Cedar Works, Fulton, Richmond, Va.
MAJESTIC coal chutes—Edwin A. Jackson & Bro., Inc., 50 Beekman, New York.
MAJESTIC coal chutes, cistern covers, ash dumps, ash-pit doors & warm air furnaces—Majestic Co., Huntington, Ind.
MAJESTIC flour sieves—Parker Wire Goods Co., Worcester, Mass.
MAJESTIC grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MAJESTIC oil & grease cup lubricators—Detroit Shipbuilding Co., ft Orleans, Detroit, Mich.
MAJESTIC SUNSHINE steam heaters—Reading Scale & Machine Co., Reading, Pa.
MAJIC spray nozzle—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
MAJOR barrel spray pump & whitewashing outfit—Deming Co., Salem, Ohio
MAJOR hog rings—Heesen Bros. Co., Tecumseh, Mich.
MAJOR hog rings—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
MAJOR lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MAJOR JONES spark plugs—Major E. Jones Motor Co., Detroit, Mich.
MAKE A MOTOR TRUCK truck units—Make A Motor Truck Co., 1508 Michigan av, Chicago, Ill.
MAKESTOCK WAYMORE kerosene tank heaters—Midland Supply Co., Davenport, Ia.
MALAY packing—W. H. Salisbury & Co., 308 N. Madison, Chicago, Ill.
MALIN'S carpet beaters—Malin & Co., 2514 Vestry av, N. W., Cleveland, O.
MALLERY farriers' hammers—Champion Tool Co., Meadville, Pa.
MALLORY'S IMPROVED shuter workers—Mallory Mfg. Co., Flemington, N. J.
MALSTA brewer's hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
MALT wood shovels—John Summer Faucet Co., 355 Central av, Newark, N. J.
MALTA hand carts, potato planters—Brown-Manly Plow Co., Malta, Ohio
MALTBY handcuffs & twisters—Mattatuck Mfg. Co., Waterbury, Conn.
MALTESE CROSS belting, hose, play pipes—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
MALTESE CROSS gauge glasses—Bache, Semon & Co., 636 Greenwich, New York
MAMMOTH alarm clocks—Parker Clock Co., Meriden, Conn.
MAMMOTH corn & cob mills—Wolf & Co., Chambersburg, Pa.
MAMMOTH cotton seed hullers—Diamond Huller Co., Winona, Minn.
MAMMOTH dry earth closets—P. H. MaGirl Foundry & Furnace Works—Bloomington, Ill.
MANAHAN'S moth bags—Manahan Moth Paper Co., 372 Pearl, New York
• MANARD frogs, switches & crossings—Bethlehem Steel Co., So. Bethlehem, Pa.
MANCHESTER battery motors—Davis Kendrick Co., Lebanon, N. H.
MANCHESTER pantry sinks—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
MANCO ironing machines, bolt clipper, cattle dehorners, etc)—Mann Corp., 72 W. Adams, Chicago, Ill.
MANCO waterproofing materials—Philip Carey Mfg. Co., 330 Wayne av, Lockland, Cincinnati, Ohio
MANDARIN suction hose—W. D. Allen Mfg. Co., 566 W Lake, Chicago, Ill.
MANDARINE belting—Combination Rubber Mfg. Co., Bloomfield, N. J.
MANDT farm wagons—Mandt Wagon Co., Stoughton, Wis.
MANDT farm wagons & sleds—Moline Plow Co., Moline, Ill.
MANDT wagon dump boxes—American Cement Machine Co., Keokuk, Ia.
MANEHARDT strawberry hullers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
MANEST hot air clothes dryers, hot air furnaces—John E. Mannen Co., 2247 St. Clair, Cleveland,
MANGANITE alloy steel rolls—Mackintosh-Hemphill Co., ft 12th, Pittsburgh, Pa.
MANHATTAN alum size—Manhattan Color Works, 1035 Kelly, New York
MANHATTAN arc lamps—Buckeye Electric Works of G. E. Co., 1806 E. 45th, Cleveland, O.
MANHATTAN dumb waiters—Storm Mfg. Co., 50 Vesey, Newark, N. J.
MANHATTAN gas stoves—Manhattan Gas Heating Co., 909 7th av, New York
MANHATTAN life saving nets—Combination Ladder Co., 366 Fountain, Providence, R. I.
MANHATTAN medical batteries—Manhattan Electric Supply Co., 17 Park pl, New York
MANHATTAN packing—Greene, Tweed & Co., 109 Duane, New York
MANHATTAN rail joints—Elyria Iron & Steel Co., 232 E. 131st, Cleveland, O.
MANHATTAN rail joints—Industrial Supply & Equipment Co., 407 Sansom, Phila., Pa.
MANHATTAN range boilers—Hayes Mfg. Co., Paterson, N. J.
MANHATTAN steam & hot water heaters—Mackay Mfg. Co., 234 Water, New York

MANHATTAN step ladders—Reiley Bros. Ladder Co., 324 W. 41st, New York
MANHATTAN thermometers—C. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
MANHATTAN water filters—Loomis Manning Filter Distributing Co., 37th & Reed, Phila., Pa.
MANIERRE box car loaders—Link-Belt Co., 329 W. 39th, Chicago, Ill.
MANIERRE box car loaders—Manierre Engineering & Mach. Co., Colby-Abbott bldg, Milwaukee, Wis.
MANILA packing—Geo. W. Knowlton Rubber Co., 60 Pearl, Boston, Mass.
MANIPLEX sewing machines—L. F. Fales, Walpole, Mass.
MANLEY gas engines—United Engine & Mfg. Co., Hanover, Pa.
MANLEY HILITE portable cranes—United Engine & Mfg. Co., Hanover, Pa.
MANN root cutters—F. W. Mann Co., Milford, Mass.
MANN spreader cars, round house smoke jacks—Mann-McCann Co., Fisher bldg., Chicago, Ill.
MANNING rail benders—Verona Tool Works, Oliver bldg., Pittsburgh, Pa. & Verona, Pa.
MANNING tubular boilers—Portland Co., Portland, Maine
MANN-STEVENSON can testing machines—Stevenson & Co., 607 S. Caroline, Baltimore, Md.
MANN'S bone mills—F. W. Mann Co., Milford, Mass.
MANN'S IMPROVED bone mills—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
MANROSS hair springs—F. N. Manross & Sons, Forestville, Conn.
MANSBRIDGE telephone condensers—Electric Specialty Co., Cresco, Ia.
MANSFIELD babbitt metal—Pittsburgh Brass Mfg. Co., Penn. & 32d, Pittsburgh, Pa.
MANSFIELD ball cocks—Acheson Mfg. Co., Rankin, Pa.
MANSFIELD grate bars—Wm. E. Rider & Co., Mansfield, Mass.
MANSFIELD lock washer—Mansfield Lock Washer Co., Mansfield, Ohio
MANSFIELD rubber tires, inner automobile tubes—Mansfield Tire & Rubber Co., Mansfield, Ohio
MANSFIELD trolley wire clamps—Ohio Brass Co., Mansfield, O.
MANSON gasoline arc lamps—American Gas Machine Co., Albert Lea, Minn.
MANSON insulating & protecting tape—Okonite Co., Passaic, N. J.
MANTACO unions—McMann & Taylor Co., 104 John, New York
MANUFACTURERS fire sprinklers—Automatic Sprinkler Co. of America, 127 William, New York
MANUFACTURING AUTOMATIC chucking machines—Potter & Johnston Machine Co., Pawtucket, R. I.
MANUMOTOR manual rowboat motors—Manumotors Co., Manitowoc, Wis.
MANZEL sight feed lubricators—Manzel Bros. Co., 315 Babcock, Buffalo, N. Y.
MAPLE LEAF carbon paper—Miller-Bryant-Pierce Co., Aurora, Ill.
MAPLE LEAF tooth picks—Crunden-Martin Mfg. Co., 2d & Gratiot, St. Louis, Mo.
MARATHON belting—B. F. Goodrich Co., Akron, Ohio
MARATHON leather belting—R. H. Hood Co., 1842 Germantown av, Philadelphia, Pa.
MARATHON lubricating oils & greases—J. H. Weinberg Co., 150 Madison av, New York
MARATHON maple flooring—Ward Bros., Big Rapids, Mich.
MARATHON rubber tires—Marathon Tire & Rubber Co., Cuyahoga Falls, Ohio
MARATHON spinning tops—Huntington-Scott Co., 62 E. Prescott, Columbus, Ohio
MARATHON MILLS—Crushing & pulverizing—Marathon Mill & Machinery Works, 38 S. Dearborn, Chicago, Ill.
MARBLE gun rod tools, hunters' axes, pocket screwdrivers, trout nippers—Marble Arms & Mfg. Co., Gladstone, Mich.
MARBLELOID cork tile—Marbleoid Co., 47 W. 34th, New York
MARBLICA cleaning compounds—India Alkali Works, 28 India Wharf, Boston, Mass.
MARBLOID wall finish—Yarnall Paint Co., 1026 Race, Phila., Pa.
MARBORO lavatories & fittings—Sanitas Co., 105 Washington, Boston, Mass.
MARBURG-LUCIFER bicycle & electric auto lamps—Marburg Bros., 90 West, New York
MARCHAND cable clamps, conduit fittings, mine car fittings—Steel City Electric Co., 1207 Columbus av, Pittsburgh, Pa.
MARCO rubber water bottles—Star Rubber Co., Akron, Ohio
MARCO-VANADIUM chisel blanks—Geo. F. Merchant Co., 1420 S. Rockwell, Chicago, Ill.
MARCY ball mills—Mine & Smelter Supply Co., 42 B'way, New York
MARCY screw drivers—Geo. H. Wilkins Co., 180 W. Market, Chicago, Ill.
MARIETTA farm wagons—Ohio Valley Wagon Co., Marietta, Ohio
MARINE grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MARINE leather belting—McCauley Belting Co., 412 Orleans, Chicago, Ill.
MARION blow torches—Hine-Watt Mfg. Co., Chicago, Ill.
MARION brick cutting machinery—H. Martin Brick Mach. Mfg. Co., Lancaster, Pa.
MARION flue cleaners, brick cutting machines & shaking grates—Marion Machine, Foundry & Supply Co., Marion, Ind.
MARION HARLAND coffee percolators—Silver & Co., 304 Hewes, Brooklyn, N. Y.
MARITIMO acid tank lining & waterproofing compounds—Universal Coatings Corp., 104 Broad, New York
MARK unions—Mark Mfg. Co., Evanston, Ill.
MARK-A-LINE show card inks—Carter's Ink Co., E. Cambridge, Boston, Mass.
MARKDOWN clothes lines—Estes Mills, Falls River, Mass.
MARKOE envelope sealing machines—American Multigraph Sales Co., 1832 E. 40th, Cleveland, Ohio
MARKWELL stencils & rubber & steel stamps—Henry Moss & Co., Inc., 192½ Beaver, New York
MARKWELL typewriter ribbons—Frank Bayer Co., 119 Lafayette, New York
MARLO electric bells— P R Mfg. Co., Detroit, Mich.
MARNILE cutting oils—Geo. A. Haws, 135 Front, New York.
MAROA spring tooth harrows—Maroa Mfg. Co., Maroa, Ill.
MAROLITE electric lighting systems — Central Electric Co., 320 S. 5th av, Chicago, Ill.
MARQUETTE blast furnaces—Cleveland-Cliffs Iron Co., Rockefeller bldg, Cleveland, Ohio
MARQUETTE cement—Marquette Cement Mfg. Co., La Salle, Ill.
MARS padlock locks—U. S. Lock Hdwe. Co., Columbia, Pa.
MARS sight feed lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MARSAUT miners' safety lamps—American Safety Lamp & Mine Supply Co., Scranton, Pa.
MARSEILLES corn & cob mills & portable grain elevators—Marseilles Works of Deere & Co., East Moline, Ill.
MARSH PAUL vacuum heating valves—Jas. P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
MARSH BLAST vacuum traps—Jas. P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
MARSHALL bath tubs—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
MARSHALL corn cribs—Iron Crib & Bin Co., Wooster, Ohio
MARSHALL corn cribs—Pioneer Mfg. Co., Middlebury, Ind.
MARSHALL fire hose—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
MARSHALL furniture polish—Marshall Oil Co. of Iowa, Marshalltown, Ia.
MARSHALL'S linemen's shields—Linemen Protector Co., Penobscot bldg., Detroit, Mich.
MARSH-AYER mitre boxes—Millers Falls Co., Millers Falls, Mass.
MARSHFIELD soapstone laundry tubs—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
MAR-STUN dry batteries—Bright Star Battery Co., 316 Hudson, New York
MARTELL metallic packing—Martell Packings Co., Inc., The, Elyria, Ohio
MARTELL reamers—Taft-Peirce Mfg. Co., Woonsocket, R. I
MARTEN fire extinguishers, metallic shades—National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
MARTIN automobile accessories—Martin Auto Specialty Co., Lancaster, Ohio
MARTIN automobile truck trailers—Martin Carriage Works, York, Pa.
MARTIN bed & furniture casters—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
MARTIN fishing reels—Martin Automatic Fishing Reel Co., Mohawk, N. Y.
MARTIN grate bars—Martin Grate Co., Fisher bldg., Chicago, Ill.
MARTIN lumberman's hooks—Lufkin Foundry & Machine Co., Lufkin, Texas

MARTIN marking machines—Martin Machine Co., Turners Falls, Mass.
MARTIN road machines & graders—International Ditching & Road Mach'y Co., Owensboro, Ky.
MARTIN shock absorbers—Halliwell Bros., 317 W. Pico, Los Angeles, Cal.
MARTIN valve controllers—Beaumont Iron Works Co., Beaumont, Texas
MARTIN'S door hangers—S. B. Martin, Dalton, Ohio
MARTIN'S fishing reels—Martin Automatic Fish Reel Co., Ilion, N. Y.
MARTIN'S flexible joints—Barco Brass & Joint Co., 212 W. Illinois, Chicago, Ill.
MARTIN'S glue—International Glue Co., 201 Devonshire, Boston, Mass.
MARTIN'S FERRY pig iron—Wheeling Steel & Iron Co., Wheeling, W. Va.
MARVEL adjustable shower drainage traps—Detroit Marvel Brass Mfg. Co., 332 River rd, Detroit, Mich.
MARVEL blowers, electric exhausters & ventilating fans—Electric Blower Co., 352 Atlantic av, Boston, Mass.
MARVEL boiler compounds—Kuhne-Libby Co., 51 Front, New York
MARVEL carbureters, gasoline strainers—Marvel Carburetor Co., Flint, Mich.
MARVEL furniture polish—Wilbur C. Perkins Co., 831 N. Wood, Chicago, Ill.
MARVEL hack saw machines, portable grinders, portable punches, rod cutters—Armstrong-Blum Mfg. Co., 337 N. Francisco av, Chicago, Ill.
MARVEL oil pumps—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MARVEL stove toasters—Satisfaction Guaranteed Corp., 659 Fulton, Chicago, Ill.
MARVEL thermostats, heat regulators & valves—American Thermostat Co., 226 Jelliff av, Newark, N. J.
MARVEL water heaters—Mustee Water Heater Co., 3409 Superior av, Cleveland, Ohio
MARVEL water supply system—Deming Co., Salem, Ohio
MARVELO air drill hose, braided hose, chemical engine hose, garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
MARYLAND garden spades—Indiana Shovel Co., New Castle, Ind.
MASCO automobile trunks, trunk racks, storage batteries—Milwaukee Auto Specialty Co., 711 Chestnut, Milwaukee, Wis.
MASCOT corn huskers—L. F. Clark Mfg. Co., 169 N. Jefferson, Chicago, Ill.
MASCOT dry batteries—J. H. Bunnell & Co., 32 Park pl, New York
MASCOT enameling ovens—American Enamel Co., Providence, R. I.
MASCOT grease cups—Wm. Powell Co., Cincinnati, Ohio
MASCOT spelter—American Zinc, Lead & Smelting Co., 120 B'way, New York
MASCOT x-ray tubes—Green & Bauer, Hartford, Conn.
MASDA dry batteries—Fred. D. Harper, Everett, Mass.
MASON automobile tire trunks—Milwaukee Auto Specialty Co., 711 Chestnut, Milwaukee, Wis.
MASON car steps & treads—American Mason Safety Tread Co., Lowell, Mass.
MASON celery hillers, plow clevises, wrenches—F. C. Mason & Co., St. Johns, Mich.
MASON fruit jar wrenches—S. & I. Co., Springfield, Mass.
MASON fruit jars—Ball Bros. Glass Mfg. Co., Muncie, Ind.
MASON insulating tape—Okonite Co., 501 5th av, New York
MASON rubber tires—Mason Tire & Rubber Co., Kent, Ohio
MASON safety stair treads—American Mason Safety Tread Co., Lowell, Mass.
MASON steam specialties—Mason Regulator Co., 1192 Adams, Boston, Mass.
MASON'S steel pens—W. L. Mason & Co., Keene, N. H.
MASON CHAMPION wire fences & gates—Mason Fence Co., Leesburg, Ohio
MASON-JAGER air compressors, oil engines—Chas. J. Jager Co., 15 Custom House, Boston, Mass.
MASONS hygrometers—Philadelphia Thermometer Co., 9th & Arch, Phila., Pa.
MASS. TOOL CO. machinist tools—Goodell-Pratt Co., Greenfield, Mass.
MASSACHUSETTS STANDARD fusible plugs—Boston Brass Co., 135 Bacon, Waltham, Mass.
MASSASOIT belt lacing—Holyoke Belting Co., Holyoke, Mass.
MASSASOIT rubber hose—National India Rubber Co., Bristol, R. I.
MASSCO clay goods & pulverizers—Mine & Smelter Supply Co., 42 B'way, New York
MASSETH'S oil well packers—Masseth Packer & Machine Co., Butler, Pa.
MASSILLON drop hammers, single & double frames, hammers, punching & shearing machines & presses—Massillon Foundry & Mach. Co., Massillon, Ohio
MASSILLON feed water heaters & purifiers, steam heaters—Griscom-Russell Co., 92 West, New York
MASSILLON traction engines—Russell & Co., Massillon, Ohio
MASTER air compressors, automatic pumps, spark plugs—Hartford Machine Screw Co., Hartford, Conn.
MASTERCLOCK automobile pneumatic clocks—Hahl Automatic Clock Co., 2644 N. Maplewood av, Chicago, Ill.
MASTERPIECE pipe wrenches—Bonney Vise & Tool Works, Allentown, Pa.
MASTERPIECE razors—C. Klauberg & Bros., Woolworth bldg, New York
MASTERTONE talking machines—Phelps Factories, Columbus, Ohio
MASTER WORKMAN alcohol engines—Temple Pump Mfg. Co., 22nd & S. 54th, Chicago, Ill.
MASTIC asphalt—Byerly & Sons, 2489 W. 4th, Cleveland, Ohio
MASTIC tire cements—Michelin Tire Co., Milltown, N. J.
MATADOR spark plugs—Matador Tire & Vulcanizing Co., 1400 Michigan av, Chicago, Ill.
MATCHAMS coal dryers—Fuller Engineering Co., Allentown, Pa.
MATCHLESS box openers, adjustable hack saw frames & coping saws & screw drivers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
MATCHLESS clothes washing machines—Richmond Cedar Works, Fulton, Richmond, Va.
MATCHLESS clover hullers—Aultman & Taylor Machinery Co., Mansfield, Ohio
MATCHLESS electric gas lighter—Safety Gas Lighter Corp., Roanoke, Va.
MATCHLESS hypodermic syringes—Randall-Faichney Co., Boston, Mass.
MATCHLESS lawn mowers—Dille & McGuire Co., Richmond, Ind.
MATCHLESS lawn mowers—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
MATCHLESS lawn mowers—S. P. Townsend & Co., Orange, N. J.
MATCHLESS liquid gloss furniture polish—Standard Oil Co. of N. Y., 555 W. 25th, New York
MATCHLESS paste polish—Matchless Metal Polish Co., 151 Varick, New York
MATCHLESS pipe threaders—Oster Mfg. Co., 2057 E. 61st pl., Cleveland, O.
MATCHLESS radiators—W. A. Case & Son Mfg. Co., Buffalo, N. Y.
MATCHLESS reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg., New York
MATCHLESS hinges & sash locks—Lawson Mfg. Co., 230 W. Superior, Chicago, Ill.
MATCHLESS JUSTRITE mine safety lamps—Justrite Mfg. Co., 2061 Southport av, Chicago, Ill.
MATHER Vanadium automobile springs—Mather Spring Co., Toledo, Ohio
MATHER wool finishing mach'y—Leigh & Butler, 232 Summer, Boston, Mass.
MATHER CRESCENT automobile springs—Mather Spring Co., Toledo, Ohio
MATHER & Platt dyeing machinery—Leigh & Butler, 232 Summer, Boston, Mass.
MATSON SAFETY metal cutting off machines—Matson Machine Co., Concord, N. H.
MATTATUCK handcuffs & wire link fabrics—Mattatuck Mfg. Co., Waterbury, Conn.
MATTE enamels—Edw. Smith & Co., 127 West av, Long Island City, N. Y.
MATTHEWS electric lighting systems—Matthews Engineering Co., Sandusky, Ohio
MATTHEWS photometers—Foote-Pierson & Co., 160 Duane, New York
MATTHEWSON sand blast machines, tumbling barrels—Tilghman-Brooksbank Sand Blast Co., 1126 S. 11th, Philadelphia, Pa.
MATRIX asphalt mastic—Standard Asphalt & Rubber Co., 208 S. La Salle, Chicago, Ill.
MAUD S. farriers' hammers, pincers—Champion Tool Co., Meadville, Pa.
MAUMEE drag road scrapers—Toledo Wheelbarrow Co., 2400 Broadway, Toledo, Ohio
MAVASCO steel sheets—Mahoning Valley Steel Co., Niles, Ohio

MAX sight feed lubricators—Nathan Mfg. Co., 416 E. 106th, New York
MAXBAR cornices & skylights—Central Sheet Metal Works, 260 E. 78th, New York
MAXCO seat operated water closets—Climax Sanitary Co., 1167 E. Jefferson, Detroit, Mich.
MAXCO water closets & closet seats—Sherwood Brass Wks., Detroit, Mich.
MAXFER truck units—Maxfer Truck & Tractor Co., Harvey, Ill.
MAXI carbureters—Maxi Co., 114 W. 30th, New York
MAXIM cook stove—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
MAXIM gasoline burners—Theo. Clough, Dobby Ferry, N. Y
MAXINE metal polish—Rexine Company, Sheboygan, Wis.
MAXON stone lever jacks—Maxon Miller Jack Co., Huntington, W. Va.
MAXON-MILLER lever jacks—Maxon-Miller Jack Co., Huntington, W. Va.
MAX STADT wire connectors—Chicago Die & Machine Works, 415 N. Carpenter, Chicago, Ill.
MAXUM ground cones—Fairmount Electric & Mfg. Co., 59th & Woodland, Phila., Pa.
MAXWELL envelope sealing machines—Marrow-Ulrich-Maxwell, Cleveland, Ohio
MAYARI track bolts—Bethlehem Steel Co., South Bethlehem, Pa.
MAYD-WELL shaving brushes—Mayd-Well Brush Co., Troy, N. Y.
MAY EUREKA nut crackers & picks—Cassady, Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
MAY FLOWER lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
MAYFLOWER lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
MAYHEW mitre boxes—H. H. Mayhew Co., Shelburne Falls, Mass.
MAY MEADOWS blast furnaces—Va. Iron, Coal & Coke Co., Roanoke, Va
MAYMONT self-oiling pulleys—McMaster-Carr Supply Co., 174 N. Market, Chicago, Ill.
MAYO auto radiator—Mayo Radiator Co., S. Boulevard & 143d, New York
MAY'S salamanders—Eagle Iron Works, 850 DeKalb av, Brooklyn, N. Y.
MAYTAG clothes washing machines—Maytag Co., Newton, Ia.
MAYVILLE blast furnace—Northwestern Iron Co., 1st National Bank bldg, Milwaukee, Wis.
MAYWOOD hose—Hewitt Rubber Co., Buffalo, N. Y.
MAXF grinding wheels—Maxf Grinding Wheel Corp., Chester, Mass.
MAXON stone lever, jacks—Maxon-Miller Jack Co., Huntington, Va.
MAXWELL concrete reinforcing bars—Lackawanna Steel Co., Buffalo, N. Y.
MAYWOOD bath water heaters—August T. Kronquist, Maywood, Ill.
MAZDA incandescent electric lamps—Edison Lamp Works of General Electric Co., Harrison, N. J.
MAZOLA vegetable oils—Corn Products Refining Co., 17 Battery pl, New York
MEA magnetos—Marburg Bros., 90 West, New York
MEADOW KING hay carriers—J. E. Porter Co., Ottawa, Ill.
MEADOW MILLS feed grinding mills—International Harvester Co. of America, Inc., Harvester bldg., Chicago, Ill.
MEADOW MONARCH hoes—Union Fork & Hoe Co., Columbus, O.
MEADOW QUEEN hay carriers—J. E. Porter Co., Ottawa, Ill.
MEADOWS pitless scales & clothes washing machines—Meadows Mfg. Co., Pontiac, Ill.
MEAKER complete galvanizing plants—Meaker Co., 1243 Fulton, Chicago, Ill.
METALBESTOS packing—A. W. Chesterton Co., 64 India, Boston, Mass.
MECCA grease cups—Wm. Powell Co., Cincinnati, Ohio
MECCA axle grease—Reliance Oil & Grease Co., Cleveland, Ohio
MECHANICS drilling machines—Rockford Drilling Machine Co., Rockford, Ill.
MECHANICS' gasoline engines—Mechanics' Fdy. & Machine Co., Fall River, Mass.
MECHANICS HALL automobile annunciators—Cowles, C., & Co., New Haven, Conn.
MECHANICS PRIDE hand soap—Git Mfg. Co., Westfield, Mass.
MECHANICS' SPECIAL hand power tool sharpeners—Luther Grinder Mfg. Co., 285 S. Walter, Milwaukee, Wis.



MEDUSA cements & waterproofing materials—Sandusky Cement Co., Engineer's bldg, Cleveland, Ohio
MEECO steel factory equipment—Manufacturing Equipment & Engng. Co., Framingham, Mass.
MEEK bread ovens, broilers, tea urns, peanut roasters—Meek Oven Mfg. Co., Newburyport, Mass.
MEEKER automatic elevator doors—Hanke Iron & Steel Works, 800 N. Albany av, Chicago, Ill.
MEEKER fire proof doors—S. H. Harris Co., 2424 W. 22d, Chicago, Ill.
MEEKER fireproof doors—R. J. Ross Mfg. Co., 4241 Ogden av, Chicago, Ill.
MEEKER'S harrows & pulverizers—C. O. Jelliff Mfg. Corporation, Southport, Conn.
MEFCOLITE electric fixtures—H. G. McFaddin & Co., 38 Warren, New York
MEGGER ohmeters—James G. Biddle, 1211 Arch, Phila., Pa.
MEHCO winches & windlasses & marine hardware—Marine Hardware-Equipment Co., So. Portland, Maine
MEILINK filing safes—Meilink Steel Safe Co., Toledo, Ohio
MEISSELBACH fishing reels—General Phonograph Corp., 25 W. 45th, New York
MELIBITE glass shades—Gillender & Sons (Inc.), State & Deveraux, Phila., Pa.
MELLOR nail pullers—Mellor Box Opener Co., Sedalia, Mo.
MELROSE car couplers—National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, Ohio
MELROSE fibre matting—New England Rug Co., Lawrence, Mass.
MELROSE lawn mowers—F. & N. Mower Co., Richmond, Ind.
MELVILLE'S anti-rust—F. L. Melville, Bayonne, N. J.
MEMIPHONE electric toys—Russell Electric Co., Danbury, Conn.
MEMPHI cold water paints—De Soto Paint Mfg. Co., Memphis, Tenn.
MENDOTA enameled iron bath tubs—McVay-Walker Co., Braddock, Pa.
MENITONE flat wall paint—C. A. Woolsey, Paint & Color Co., 490 Grand, Jersey City, N. J.
MENLO steam heaters—H. B. Smith Co., Westfield, Mass.
MENSHA shipping case seals—Mensha Wooden Ware Co., Mensha, Wis.
MEPHISTO auger bits—W. A. Ives Mfg. Co., Wallingford, Conn.
MERCANTILE addressing machinery—Challenge Machinery Co., Grand Haven, Mich.
MERCEDES lubricating oils & greases—C. F. Sweet, Hartford, Conn.
MERCER belting—Mercer Rubber Co., Hamilton, N. J.
MERCER reclaimed rubber—American Rubber Reclaiming Co., Gtn., Phila., Pa.
MERCER steam heaters—H. B. Smith Co., Westfield, Mass.
MERCHANT clothes lines—Estes Mills, Fall River, Mass.
MERCHANT'S old method roofing tin—Merchant & Evans, Washington av & 21st, Phila., Pa.
MERCK'S chemical re-agents—Merck & Co., 45 Park pl, New York
MERCURY belting—Republic Rubber Co., Youngstown, Ohio
MERCURY fuel level indicators—Rochester Mfg. Co., 891 Halstead, Rochester, N. Y.
MERCURY plumb bobs—Brown & Sharpe Mfg. Co., Providence, R. I.
MERCURY typewriter ribbons—Mercury Mfg. Co., Rochester, N. Y.
MERIAM gas engine indicators—Meriam Co., Meriam bldg., Cleveland, O.
MERIMAN inclinable presses—Meriden Press & Drop Co., Meriden, Conn.
MERINO flax packing—H. Johnson Co., ft. of Gates av, Jersey City, N. J.
MERIT carbon paper, typewriter ribbons—E. A. Brecher Co., 119 Lafayette, New York
MERIT veneer drying machines—Merritt Mfg. Co., Lockport, N. Y.
MERITAS oil cloth—Standard Oil Cloth Co., 320 Broadway, New York
MERITORIOUS metal polish—Monroe Specialty Co., 6 Dover, New York
MERMAID belting, belt cements—Hudson Belting Co., 3 Eaton pl., Worcester, Mass.
MERRELL pipe cutting & threading machines—Merrell Mfg. Co., 278 Curtis, Toledo, Ohio
MERRICK wrenches—Bemis & Call Hardware & Tool Co., Springfield, Mass.

MERRILL slime filters, classifiers & connecting cones —Merrill Metallurgical Co., 121 2d, San Francisco, Cal.
MERRIMAC belting, packing, rubber hose—Empire Tire & Rubber Corp., Trenton, N. J.
MERRIMAC enamels—Jenkins Paint & Oil Co., Norfolk, Va.
MERRIMAC foot presses—Meriden Press & Drop Co., Meriden, Conn.
MERRIMAC hand carts—Frank J. Aubeuf, Oneida, N. Y
MERRIMAC reclaimed rubber—Nearpara Rubber Co., Trenton, N. J.
MERRIMAN asphalt mixers—East Iron & Machine Co., 351 E. Market, Lima, Ohio
MERRIMAN bolt cutting machines—H. B. Brown Co., East Hampton, Conn.
MERRIMAN drop hammers, presses, spinning lathes —Meriden Press & Drop Co., Meriden, Conn.
MERRIMAN stone gang sawing machines—Lincoln Iron Works, Rutland, Vt.
MERRITT automatic sewage siphons—Albert Priestmann, 328 Chestnut, Phila., Pa.
MERRITT flush tanks, sewage siphons, sewage disposal outfits — Merritt Hydraulic Co., 110 N. Broad, Philadelphia, Pa.
MERRITT steel lockers, steel shelving—Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
MERRITT wire hooks—F. M. Merritt, Penn Yann, N. Y
MERROW sewing machine — Merrow Machine Co., Hartford, Conn.
MERSHON glass insulators—Brookfield Glass Co., 2 Rector, New York
MERSHON steam heaters—Mershon Patent Shaking Grate Works, Philadelphia, Pa.
MESCO time switches, battery connectors, dry batteries, spark plugs—Manhattan Electrical Supply Co., 17 Park pl, New York
MESCOLITE electrical lanterns—Manhattan Electrical Supply Co., 170 Park pl, New York
MESSINGER gas engines—Messinger Mfg. Co., Tatamy, Pa.
METAFIFE paints—John Lucas & Co., 322 Race, Phila., Pa.
METAL coat roofing paints—Wm. T. Baker, 224 Suydam av, Jersey City, N. J.
METALCASE magnesite brick—Phoenix Iron Co., 22 S. 15th, Phila., Pa.
METALINE brass bushings & oilless bearings—Metaline Co., West av, Long Island City, N. Y.
METAL PRINCE packing manufacturers—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
MET-ALL water closets—Columbus Brass Co., Columbus, Ohio
METALLO asbestos gaskets—Metallo Gasket Co., New Brunswick, N. J.
METALLO packing—A. W. Chesterton Co., 64 India, Boston, Mass.
METAL LUMBER metal studs—Berger Mfg. Co., Canton, Ohio
METALSHINE metal polish—Garratt-Callahan Co., 30 Fremont, San Francisco, Cal.
MET-AL-SHINE polish—Richmond Bros., 616 Main, Cincinnati, Ohio
METALSTEEL paints & metal surfaces—St. Louis Surfacer & Paint Co., Arlington & Terminal & Belt Line, St. Louis, Mo.
METCALF laundry machinery—Stubbins Mfg. Co., 1737 Blake, Dencer, Colo.
METEOR alcohol stoves—W. H. Sweeney Mfg. Co., 30 Main, Brooklyn, N. Y.
METEOR dynamite—du Pont de Nemours & Co., E. I., Wilmington, Del.
METEOR ignition wire—H. Baker & Co., Inc., 101 Duane, New York
METHOT carbureters—Dow Mfg. Co., Braintree, Mass.
METILE enameled metal tile — Stengel Bros. Co., Thompson & Chrtrs, Pittsburgh, Pa.
METLA-COTA boiler compounds—State Mfg. Co., 3545 E. 76th, Cleveland, Ohio
METLSKIN boiler compounds—Metlskin Co., Inc., 61 Elizabeth, New York
METO BRIGHT metal polish—Adams & Elting Co., 726 W. Washington, Chicago, Ill.
METRIC packing—Metric Packing Co., 244 Kensington av, Buffalo, N. Y.
METROPOLITAN argand burners—Precision Instrument Co., 21 Halsey, Newark, N. J.
METROPOLITAN injectors—Hayden & Derby Mfg. Co., 119 W. 40th, New York
METROPOLITAN cable joints, electric cable hangers, electric current taps, expansion plugs—Yonkers Specialty Co., Yonkers, N. Y.
METROPOLITAN fire hose—N. J. Car. Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
METROPOLITAN flint paper—R. J. Waddell & Co., 52 Beekman, New York
METROPOLITAN switches — Metropolitan Electric Mfg. Co., 14th, Long Island City, N. Y.
METROPOLITAN wire test connectors—Cameron Appliance Co., Everett, Mass.
MEXOLINE liquid polish—Matchless Metal Polish Co., 151 Varick, New York
MEYERS automatic boiler skimmers—Manchester Mfg. Co., North Manchester, Ind.
MEYERS cement—Harrison Supply Co., 209 Washington, Boston 9, Mass.
MEYERS putz cream metal polish—American Metal Polish Co., West Somerville, Mass.
MEZEN rubber hose—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
MIA HEALA chair seats—Capital Seat & Novelty Co., 369 3d av, New York
MIAMA harrows & pulverizers—Ohio Rake Co., Dayton, Ohio
MIAMI automobile truck trailers—Miami Trailer Co., Troy, Ohio
MIAMI bicycles—Miami Cycle & Mfg. Co., Middletown, Ohio
MIAMI enameled blotting paper—Wrenn Paper Co., Middletown, Ohio
MIAMI gas engines—Willard Middletown Machine Co., Covington, Ky.
MIAMI oil cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MIAMI wall ties—American Rolling Mill Co., Middletown, Ohio
MIA PARA packing—Curry Bros. Oil Co., 253 Franklin, Boston, Mass.
MICA axle grease—Standard Oil Co. of New York, 555 W. 25th, New York
MICABOUND mica—Chicago Mica Co., Valparaiso, Ind.
MICADAMITE mica mfr.—Melrowsky Bros., Jersey City, N. J.
MICALITE mica chimneys—Eugene Munsell & Co., 68 Church, New York
MICANITE mica & insulating paper & washers—Mica Insulator Co., 58 Church, New York
MICASMITHS insulating cloth & tape—Mica Mfg. Co., 135 Jackson, Brooklyn, N. Y.
MICHELIN rubber tires—Michelin Tire Co., Milltown, N. J.
MICHIGAN bean cultivators—Moline Plow Co., Moline, Ill.
MICHIGAN beet diggers—Bucher & Gibbs Plow Co., Canton, Ohio
MICHIGAN boiler injectors—Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
MICHIGAN cash registers—Michigan Machine Co., 85 Porter, Detroit, Mich.
MICHIGAN cement—Michigan Portland Cement Co., Chelsea, Mich.
MICHIGAN desk & dock hoists—Michigan Dredge Co., Bay City, Mich.
MICHIGAN monel metal, wire cloth—Michigan Wire Cloth Co., 500 Howard, Detroit, Mich.
MICHIGAN oil & grease cups, lubricators, gauges, valves—Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
MICHIGAN squaring shears—Michigan Press Co., Ypsilanti, Mich.
MICHIGAN wood pipe—Michigan Pipe Co., Bay City, Mich.
MICO insulating tape—Mica Insulator Co., 68 Church, New York
MICO square flax packing—Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
MICRO piston rings—Micro Piston Ring Co., 116 Nassau, New York
MICRO-GROUND machine knives—Coes, Loring & Co. (Inc.), Worcester, Mass.
MICROPHO telephones, audiphones & detectagraphs —G. Boissonault Co., 26 Cortlandt, New York
MICROPHONE batteries—J. H. Bunnell & Co., 32 Park pl, New York
MIDCO cement coated wire nails—Howard W. Middleton Co., 945 Ridge av, Phila, Pa.
MIDDLE BUSTER breaking plows—Eagle Mfg. Co., Kansas City, Mo.
MIDDY engine lubricators—Wm. Powell Co., Cincinnati, Ohio
MIDGET can openers—Ira F. White & Son, Bloomfield, N. J.
MIDGET card tables—E. T. Burrowes Co., Portland, Maine
MIDGET flush plugs, fuse rosettes—Arrow Electric Co., Hartford, Conn.
MIDGET lawn sprinkler—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
MIDGET garden weeders—C. S. Norcross & Sons, Bushnell, Ill.

MIDGET lavatories & fittings—James Barrett Mfg. Co., 117 Pearl, Boston, Mass.
MIDGET oil pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
MIDGET push buttons—Edwards & Co., 140th & Exterior av, New York.
MIDGET safety valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MIDGET saw punches—Henry Disston & Sons, Tacony, Phila., Pa.
MIDGET shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
MIDGET water tube boilers where small power is required, 2 to 5 H. P. sizes—815 Larrabee, Chicago, Ill.
MIDGET yarn hand dusters—Universal Brush Co., 181 Quincy, Chicago, Ill.
MIDGLEY'S hand cards—Howard Bros. Mfg. Co., Worcester, Mass.
MIDLAND ring oilers—Pittsburgh Iron & Steel Foundries Co., Midland, Pa.
MIDLAND shoveling & end gate boards—Peoria Drill & Seeder Co., Peoria, Ill.
MIDVALE steel—Midvale Steel & Ordnance Co., Widener bldg, Phila., Pa.
MIETZ kerosene oil engines—August Mietz Corp., 430 E. 19th, New York
MIGNON lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
MIKADO grease cups—Wm. Powell Co., Cincinnati, Ohio
MIKADO razors—F. A. Clauberg & Co., 27 Park pl New York
MIKADO roofing—Flintkote Co., 88 Pearl, Boston, Mass.
MIKADO yellow cotton belting—H. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
MIKKOLA concrete shovels—Conneaut Shovel Co., Conneaut, Ohio
MILBURN contractors' portable lights, circus lights, flare lights, oxy-acetylene welding apparatus—Alexander Milburn Co., 1420 W. Baltimore, Baltimore, Md.
MILCOR canopies, brooders, hog watering troughs, metal building corners, ventilators; batten strips, steel tanks, puttyless skylights & windows—Milwaukee Corrugating Co., Milwaukee, Wis.
MILFORD hack saw machines, hack saw blades—H. G. Thompson & Son Co., New Haven, Conn.
MILFORD MASTER grip frames—H. G. Thompson & Son Co., New Haven, Conn.
MILFORD PINK granite, building work—Welb Pink Granite Co., Milford, Mass.
MILITARY RIFLES NOS. 10, 20 & 21 powder—du Pont de Nemours & Co., E. I., Wilmington, Del.
MILBURN wagons—Milburn Wagon Co., Toledo, Ohio Ohio
MILLEN car signs—Columbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
MILLER engines, castings, patterns, etc.—Miller Engine & Foundry Works, 2652 Long Beach av, Los Angeles, Cal.
MILLER farm wagons—Miller Wagon Co., Edina, Mo.
MILLER siphon flush tanks—Pacific Flush Tank Co., 4241 Ravenwood av, Chicago, Ill.
MILLER guy anchors—Miller Anchor Co., Norwalk, Ohio
MILLER ice cream freezers, pasteurizing machines—Miller Pasteurizing Machine Co., Canton, Ohio
MILLER kerosene heaters—Edw. Miller & Co., Meriden, Conn.
MILLER key-seating machines—National Machine Tool Co., Cincinnati, Ohio
MILLER night latches—Miller Lock Co., 4523 Tacony, Phila., Pa.
MILLER rubber tires—Miller Rubber Co., Akron, Ohio
MILLER step ladder chairs—Austell Swing & Ladder Co., Austell, Ga.
MILLER switchstands—Cleveland Railway Supply Co., Swetland bldg., Cleveland, O.
MILLER tool holders—Allman Gas Engine & Machine Co., 461 Canal, New York
MILLER wagon jacks—Lansing Co., Lansing, Mich.
MILLER waterproofing mining cap protectors—Hercules Powder Co., Wilmington, Del.
MILLER EAGLE haying tools—Appleton Hay Tool Co., Appleton, Wis.
MILLERS anti-siphon & bath traps—Miller Foundry & Specialty Co., North Tonawanda, N. Y.
MILLER'S COMMODORE lubricating oils & greases—W. P. Miller Co., 250 Greene, Brooklyn, N. Y.
MILLER'S rubber tires—Chas. E. Miller, Anderson, Ind.
MILLER'S tire vulcanizers—Anderson Rubber Works, Anderson, Ind.



MILLERS FALLS chain attachments, drills, nail pullers—Miller's Falls Co., 28 Warren, New York
MILLIONAIRE adding machines—W. A. Morschlauser, 1 Madison av, New York
MILLS battery connectors—Stackpole Carbon Co., St. Marys, Pa.
MILLS core compounds—H. E. Mills Mfg. Co., Syracuse, N. Y.
MILLS steam heaters—H. B. Smith Co., Westfield, Mass.
MILLS & SMITH water tube boilers—H. B. Smith Co., Westfield, Mass.
MILLSPAUGH suction rolls—Sandusky Foundry & Machine Co., Sandusky, Ohio
MILNE stump pullers—Milne Mfg. Co., Monmouth, Ill.
MILO canvas stitched belting, pulley covering & garden hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
MILONITE insulating washers—Morley Mfg. Co., 120 Boylston, Boston, Mass.
MILONITE PERFECTION button head nail tacks—Morley Button Mfg. Co., Portsmouth, N. H.
MILTON steam heaters—Freed Heater Co., Collegeville, Pa.
MILTON well drilling machinery—S. G. Milton & Son, Franklin, Pa.
MILWAUKEE bottle corking machines—U. S. Bottlers' Machy. Co., 2511 Park, Chicago, Ill.
MILWAUKEE bung branding machines, pitching machines—Pawling & Harnischfeger Co., Milwaukee, Wis.
MILWAUKEE carbureters—Milwaukee Auto Engine & Supply Co., 841 29th, Milwaukee, Wis.
MILWAUKEE concrete mixers, now Lakewood-Milwaukee mixers—Lakewood Engng. Co., Cleveland, Ohio
MILWAUKEE carbureters—Milwaukee Auto Specialty Co., 711 Chestnut, Milwaukee, Wis.
MILWAUKEE concrete mixers—Milwaukee Concrete Mixer, 955 30th, Milwaukee, Wis.
MILWAUKEE binder twine, corn binder & harvesters, grain binders, mowers, reapers, sickle grinders, sulky hay rakes—International Harvester Company of America (Inc.), Harvester bldg., Chicago, Ill.
MILWAUKEE cream separators—Milwaukee Separator Mfg. Co., 247 Madison, Milwaukee, Wis.
MILWAUKEE die moulded castings—Milwaukee Die Casting Co., Milwaukee, Wis.
MILWAUKEE electric lamp flashlight—Universal Novelty Works, 164 5th av, New York
MILWAUKEE feed water heaters—Nordberg Mfg Co., Chicago & Oklahoma, Milwaukee, Wis.
MILWAUKEE friction clutches—R. J. Schwab & Sons, 283 Clinton, Milwaukee, Wis.
MILWAUKEE hay carriers, grapple forks, cattle stanchions, wire stretchers—Milwaukee Hay, Tool Co., Milwaukee, Wis.
MILWAUKEE lubricating oil storage tanks, waste saturating systems—Milwaukee Tank Works, Fratney & Becker, Milwaukee, Wis.
MILWAUKEE metal shaping machines—Milwaukee Shaper & Transmission Appliance Co., Milwaukee, Wis.
MILWAUKEE milling machines—Kearney & Trecker Co., Milwaukee, Wis.
MILWAUKEE reaming machines—J. C. Busch Co., 140 Ferry, Milwaukee, Wis.
MILWAUKEE row locks—Wilcox-Crittenden & Co., Inc., Middletown, Conn.
MILWAUKEE sand mixing machines, sprue cutters—Vulcan Engineering Sales Co., 1764 Elston av, Chicago, Ill.
MILWAUKEE steaming trays—Milwaukee Brewers' Specialty Co., 1919 St. Paul av, Milwaukee, Wis.
MILWAUKEE tool grinders—Lutter & Gies, 258 Lake, Milwaukee, Wis.
MILWAUKEE ventilators—Milwaukee Corrugating Co., Milwaukee, Wis.
MILWAUKEE SCOTCH pig iron—Illinois Steel Co., 208 S. La Salle, Chicago, Ill.
MINE-A-PHONE mine telephones—Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
MINE-ITE dynamite—Grasselli Powder Co., Guardian bldg, Cleveland, Ohio
MINER draft gear—W. H. Miner, Rookery bldg, Chicago, Ill.
MINER street lamps—Thos. T. W. Miner, 828 Eagle av, New York
MINERAL-CLEANER metal cleaners—Electric Smelting & Aluminum Co., Lockport, N. Y.
MINERAL LARD cutting oils—Union Petroleum Co., Widener bldg., Phila., Pa.
MINERALITE air drill hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.

MINERALITE asphalt roofing—Warren Chemical & Mfg. Co., 17 Battery pl, New York
MINERALLAC insulating compounds—Minerallac Electric Co., 1045 Washington blvd, Chicago, Ill.
MINER'S sunshine safety lamps, torch oils—Standard Oil Co. of N. Y., 555 W. 25th, New York
MINFORD carbon paper—Minford Ribbon & Carbon Co., 9 Walker, New York
MINNEAPOLIS feed cookers—R. R. Howell & Co., 31st av, Minneapolis, Minn.
MINNEAPOLIS heat regulators—Electric Heat Regulator Co., Minneapolis, Minn.
MINNEAPOLIS heat regulators—Minneapolis Heat Regulator Co., 2753 4th av, S. Minneapolis, Minn.
MINNEAPOLIS traction engines — Minneapolis Threshing Machine Co., 226 N. 2nd, Hopkins, Minn.
MINNEHAHA drinking fountains—Kohler Co., Sheboygan, Wis.
MINNESOTA farm wagons—Winona Wagon Co., Winona, Minn.
MINNESOTA seed testers—Specialty Mfg. Co., 2362 University av, St. Paul, Minn.
MINNESOTA stone polishing machinery—Granite City Iron Works Co., St. Cloud, Minn.
MINNICH waste baling presses—Minnich Machine Works, Landisville, Pa.
MINOLARD cutting oils—White & Bagley Co., Worcester, Mass.
MINOR disinfectants—W. E. Minor Disinfectant Co., 328 Champlain av, Cleveland, O.
MINUTE demountable automobile wheels—Hill-Smith Metal Goods Co., 82 Brookline av., Boston, Mass.
MINWAX paints, elastic cements, waterproofing materials—Minwax Co., 18 E. 41st, New York
MIONE hand soap—Mione Mfg. Co., Collingdale, Pa.
MIRAC paint & varnish remover—John Lucas & Co., 322 Race, Phila., Pa.
MIRC'S fuel oil burning furnaces—Mirc's Fuel-Oil Equipment Co., Lancaster, Pa.
MIRECO polishing cloths—Mill Remnants Co., 19 Bond, New York
MIRRLESS-WATSON water evaporators—Chas. Ordway, 25 Church, New York
MIRROR spinning twister rings—Draper Corp., Hopedale, Mass.
MISCH valve grinders—Motch & Merryweather Machinery Co., 711 Lakeside av, N. W., Cleveland, Ohio
MISCO babbitt metal—Milwaukee Tack Co., 27th & Wahl av, Milwaukee, Wis.
MISENER rotary hack saw & safety conduit seals—Barnes & Irving, Inc., Syracuse, N. Y.
MISSING LINK chain repair links—Thos. Laughlin Co., Portland, Me.
MISSION plaster & stucco—Acme Cement Plaster Co., Frisco bldg., St. Louis, Mo.
MISSISSIPPI gauge cocks—Wm. Powell Co., Cincinnati, Ohio
MISSISSIPPI inner tubes—Mississippi Valley Rubber Co., Iowa City, Iowa
MISSOURI car doors & fittings—Western Railway Equipment Co., Central Nat'l Bk. bldg., St. Louis, Mo.
MISSOURI fire extinguishers—Missouri Lamp & Mfg. Co., 114 Elm, St. Louis, Mo.
MISSOURI grain drills—Genesee Valley Mfg. Co., Mount Morris, N. Y.
MISSOURI white lead—Wm. Waterall & Co., Camden, N. J.
MIST sprinkler hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
MISTIC paint & varnish remover—J. A. & W. Bird Co., 88 Pearl, Boston, Mass.
MISTRY spray nozzles—Goulds Mfg. Co., 71 W. Fall, Seneca Falls, N. Y.
MITCHELL automobile engines—Mitchell Motors Co., Racine, Wis.
MITCHELL fire extinguishers—Badger Chemical Mfg. Co., 221 Grand, Milwaukee, Wis.
MITCHELL metallic packing—Paxton-Mitchell Co., Omaha, Nebr.
MITCHELL'S peerless pail clasps—Twisted Wire & Steel Co., 437 11th av, New York
MITE grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MIUSA toilet paper—Union Paper & Twine Co., 125 St. Clair av, N. W., Cleveland, Ohio
MIXTER CHAMPION saw gummers—J. W. Mixter Saw Tool Co., Plymouth, Mass.
MOBACK plain milling machine counterboxes, reamers, cutters, vises—Moback Tool & Mfg. Co., 320 Atlantic av, Boston, Mass.
MOBILENE packing—H. W. Johns-Manville Co., Madison av. & 41st, New York
MOBILOIL lubricating oils & greases—Valvoline Oil Co., 1761 Elmore, Cumville, Cincinnati, Ohio
MOBILOIL lubricating oils—Vacuum Oil Co., Rochester, N. Y.
MOBILUBRICANT lubricating oils—Standard Oil Co. of Ohio, E. Ohio Gas bldg., Cleveland, O.
MOBILUBRICANT lubricating oils—Vacuum Oil Co., Rochester, N. Y.
MOCCASIN self-oiling wheels—Lucey Foundry & Machine Co., Chattanooga, Tenn.
MOCKINGBIRD steam whistles—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MOCO pottery—Mohawk Clay Products Co., Perryville, Ohio
MOCOCO nitric acid, sulphate of copper—Mountain Copper Co. (Ltd.), 332 Pine, San Francisco, Cal.
MODEL belting, hose & packing—Empire Tire & Rubber Corp., Trenton, N. J.
MODEL boiler injectors—Henry B. Pancoast Co., 950 N. Front, Phila., Pa.
MODEL coal chutes—Richards Iron Works, Manitowoc, Wis.
MODEL door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
MODEL farm trucks—Abingdon Wagon Co., Abingdon, Ill.
MODEL flange clamps—M. B. Skinner Co., 562 W. Washington, Chicago, Ill.
MODEL flanging clamps—Jas. McCrea & Co., 562 W. Washington, Chicago, Ill.
MODEL harness snaps—Covert Saddlery Works, Interlaken, N. Y.
MODEL harrows—Standard Harrow Co., Utica, N. Y.
MODEL lemon squeezers—A. C. Williams Co., Ravenna, Ohio
MODEL lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
MODEL plows—Kingman Plow Co., Peoria, Ill.
MODEL riding drills and listers—Peru Plow & Wheel Co., Peru, Ill.
MODEL steam heaters—Model Heating & Engineering Co., Phila., Pa.
MODEL steel stools—Toledo Metal Furniture Co., Toledo, Ohio
MODEL woven wire fences—American Wire Fence Co., 10 S. La Salle, Chicago, Ill.
MODEL A rotary surface grinders — Persons-Arter Machine Co., Worcester, Mass.
MODEL B. windmills—U. S. Wind Engine & Pump Co., Batavia, Ill.
MODEL STAR valves—Wm. Powell Co., Cincinnati, Ohio
MODELINE modeling clays—Novitas Sales Co., Waltham, Mass.
MODEL No. 1 water filters—Jones Mfg. Co., 243 Franklin, Boston, Mass.
MODEL No. 2 water filters—Jones Mfg. Co., 243 Franklin, Boston, Mass.
MODELIT toy metal building materials—Watrous Mfg. Co., East Hampton, Conn.
MODERN clutch pencils—Hoge Mfg. Co., 45 John, New York
MODERN collapsible tap, self-opening dies & tapping attachments—Modern Tool Co., 300 State, Erie,
MODERN cooking stoves—Odin Stove Mfg. Co., Erie, Pa.
MODERN duplicators clay process—Durkin, Reeves & Co., 507 Schmidt bldg., Pittsburgh, Pa.
MODERN foundry molding machines—Arcade Mfg. Co., Freeport, Ill.
MODERN range boilers—Hayes Mfg. Co., Paterson, N. J.
MODERN steam heaters — Pierce, Butler & Pierce Mfg. Corp., 437 E. 162d, New York
MODERN water filters—Jones Mfg. Co., 243 Franklin, Boston, Mass.
MODERN meter & valve boxes—Modern Iron Wks., Quincy, Ill.
"MODERN BRAND" hardwood flooring—Herman H. Hettler Lumber Co., 2601 Elston av, Chicago, Ill.
MODERN HERO sweep horse powers—Appleton Mfg. Co., Batavia, Ill.
MODERN HOME WASHER electric clothes washer—Home Device Corp., 3311 35th, Brooklyn, N. Y.
MODIFIED EUREKA laundry starch—Corn Products Refining Co., 17 Battery pl, New York
MODOC brass polish—Modoc Co., Fernwood, Phila., Pa.
MODOC journal lubricant & gear grease—Modoc Company, Fernwood, Pa.
MODOC trolley clamps—Ohio Brass Co., Mansfield Ohio
MOGUL babbitt metal—Mogul Metal Co., 161 Larned, W. Detroit, Mich.
MOGUL candelabra receptacles—Arrow Electric Co., Hartford, Conn.
MOGUL concrete finishing tools—S. Cheney & Son Manilius, N. Y.

MOGUL draft springs—Robert P. Wilson, 320 Market, Newark, N. J.
MOGUL gas engines—Woodmanse Mfg. Co., Freeport, Ill.
MOGUL gasoline blow torches—Turner Brass Works, Sycamore, Ill.
MOGUL grease cups—Wm. Powell Co., Cincinnati, Ohio
MOGUL lawn swings—Forbes Mfg. Co., Hopkinsville, Ky.
MOGUL packing—H. W. Johns-Manville Co., Madison av & 41st, New York
MOHAIR carriage top dressing—L. M. West's Sons, Rockford, Ill.
MOHAIR VELVETS plushes—L. C. Chase & Co., 89 Franklin, Boston, Mass.
MOHAWK belting—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
MOHAWK boiler compounds—Mohawk Refining Co., 1131 River av, N. W., Cleveland, Ohio
MOHAWK gasoline engines—S. R. Mfg. Co., Schenectady, N. Y.
MOHAWK marine engines—S. & R. Mfg. Co., Schenectady, N. Y.
MOHAWK parting compounds — Keystone Foundry Supply Co., Buffalo, N. Y.
MOHAWK reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd St. bldg., New York
MOHAWK shoe blacking & polishes—A. F. Cox & Son, Portland, Me.
MOHAWK tool steel—Ludlum Steel Co., Watervliet, N. Y.
MOHCO chemicals—Marden, Orth & Hastings Co., 136 Liberty, New York
MOHICAN rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
MOHIGAN garden hose—Hewitt Rubber Co., Buffalo, N. Y.
MOHN drilling machine vises—W. D. Mohn & Co., Reading, Pa
MOIA lenses—Allendorf Co., Cleveland, Ohio
MOISE sewage siphons—Merritt Hydraulics Co., 110 N. Broad, Phila., Pa.
MOISSAN electric furnaces—Eimer & Amend, 205 3d av, New York
MOLE tire & axle shrinkers—Illinois Iron & Bolt Co., Carpentersville, Ill.
MOLINE agricultural implements—Moline Plow Co., Moline, Ill.
MOLINE car pullers—Bernard & Leas Mfg. Co., Moline, Ill.
MOLINE pumping jacks—Ottumwa-Moline Engine & Pump Co., Ottumwa, Ia.
MOLINE row-locks—Wilcox-Crittenden & Co., Inc., Middletown, Conn.
MOLINE scales—Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
MOLINE ORCHARD narrow sulky attachments—Moline Plow Co., Moline, Ill.
MOLINE KNOCKER potato-diggers—Moline Plow Co., Moline, Ill.
MOLINE-McCORMICK turbine water wheels — Barnard & Leas Mfg. Co., Moline, Ill.
MOLINE upsetting & forging machines—Williams, White Co., Moline, Ill.
MOLINE TWO-WAY plows—Moline Plow Co., Moline Ill.
MOLINE UNIVERSAL gasoline, traction engines—Moline Plow Co., Moline, Ill.
MOLINE GIANT seeders & sowers—Moline Plow Co., Moline, Ill.
MOLLY STARK mop wringers — Bennington Scale Co., Bennington, Vt.
MOLONEY transformers—Moloney Electric Co., 7th & Hickory, St. Louis, Mo.
MONACA drill rods—Pittsburgh Tool Steel Wire Co., Monaca, Pa.
MONAHAN sewer & trench & excavating machines—W. J. Heggie, Joliet, Ill.
MONAMOILE lubricating oils & greases — Monarch Mfg. Co., Council Bluffs, Ia.
MONARCH ammeters & voltmeters—Hercules Instrument Co., Mt. Vernon, N. Y.
MONARCH annealing, assayers; bullion, case hardening, melting, reducing, refining, reheating, tinning & welding furnaces, fuel oil burners & pressure blowers—Monarch Eng. & Mfg. Co., American bldg, Baltimore, Md.
MONARCH annular bearing—Hess-Bright Mfg. Co., Front and Erie av., Phila., Pa.
MONARCH automobile tire holders—Cox Brass Mfg. Co., Albany, N. Y.
MONARCH axles—Am. Axe & Tool Co., Glassport, Pa.
MONARCH babbitt metal—Nassau Smelting & Refining Works, 603 W. 29th, New York
MONARCH bath tubs—Sanitas Mfg. Co., 105 Washington, Boston, Mass.



MONARCH belting, belt lacing, belt dressing, belt cements—Graton & Knight Mfg. Co., Worcester, Mass.
MONARCH bottle filling machines—Liquid Carbonic Co., 3100 S. Kenzie av, Chicago, Ill.
MONARCH brake beams — Chicago Railway Equipment Co., 1928 W. 46th, Chicago, Ill.
MONARCH brass air cocks, rotary bilge pumps, circuit breakers, spark coils, stuffing boxes, air & check valves—Monarch Valve Co., 112 Front, Brooklyn, N. Y.
MONARCH car couplers—Monarch Steel Casting Co., Solvay & Wab. R.R., Detroit, Mich.
MONARCH carriage curtain lights, carriage top props & roll-up straps—Monarch Carriage Goods Co., Cincinnati, Ohio
MONARCH carriage fasteners—Enterprise Brass & Plating Co., 6th & Baymiller, Cincinnati, Ohio
MONARCH cinder mills—O. J. Moussette, 22 Clay, Brooklyn, N. Y.
MONARCH clothes racks—Cassady Fairbank Mfg Co., 6126 S. La Salle, Chicago, Ill.
MONARCH coachmakers' & machinists' vises—Prentiss Vise Co., 110 Lafayette, New York
MONARCH concrete building block machinery—Cement Machy Co., Jackson, Mich.
MONARCH concrete inserts—Philadelphia Expansion Bolt Co., 124 North 6th, Philadelphia, Pa.
MONARCH corn & cob mills, corn shellers, portable grain elevators, feed grinding, attrition, French buhr, emery, rock & oil cake mills—Sprout, Waldron & Co., Muncy, Pa.
MONARCH cream separators—Lisle Mfg. Co., Clarinda, Ia.
MONARCH cultivators—Racine-Sattley Co., Springfield, Ill.
MONARCH harrows, hay tedders—Ohio Rake Co., Dayton, Ohio
MONARCH diaphragm screens—Baker Mfg. Corp., Saratoga Springs, N. Y.
MONARCH disc sharpeners—Murray Iron Works Co., Central av & Washington, Burlington, Ia.
MONARCH dough mixing & kneading machines—Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
MONARCH engine lathes—Monarch Machine Co., Sidney, O.
MONARCH engine stops—Consolidated Engine Stop Co., 133 W. 19th, New York
MONARCH ensilage cutters—Silver Mfg. Co., No. 256, Salem, Ohio
MONARCH farm trucks—International Harvester Co. of America, Inc., Harvester bldg., Chicago, Ill.
MONARCH feed cutters—Lehr Agricultural Co., Fremont, Ohio
MONARCH fire place heaters—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
MONARCH flushing valves & brass & lead traps—Monarch Brass Co., Cleveland, Ohio
MONARCH gasoline engines, kerosene oil engines—Grand Rapids Gas Engine & Yacht Co., Grand Rapids, Mich.
MONARCH gasoline stoves, gas & oil stoves & heaters—Excelsior Stove & Mfg. Co., Quincy, Ill.
MONARCH hatchets—Grey Iron Casting Co., Mt. Joy, Pa.
MONARCH hickory, axe, pick, hammer, sledge and shovel handles—United Handle Mills, 149 Broadway, New York
MONARCH hot air furnaces—Forest City Foundry & Mfg. Co., 2202 Elm av, Cleveland, Ohio
MONARCH hydrated lime—National Lime & Stone Co., Carey, Ohio
MONARCH ice cream freezers—J. W. Allen & Co., 116 N. Peoria, Chicago, Ill.
MONARCH ironing machines—Adams Laundry Machinery Co., Troy, N. Y.
MONARCH lawn swings—Challenge Co., Batavia, Ill.
MONARCH lawn swings—Western Wheel Barrow & Mfg. Co., So. Fort Smith, Ark.
MONARCH lubricating oils and greases—Swan & Finch Co., 165 Broadway, New York
MONARCH metal polish—M. B. Suydam Co., 61st & Butler, Pittsburgh, Pa.
MONARCH mine car hitchings—Macomber & Whyte Rope Co., Kenosha, Wis.
MONARCH moving picture machines—National Moving Picture Co., 537 S. Dearborn, Chicago, Ill.
MONARCH oil & greases, gums & hydraulic presses—Monarch Mfg. Co., Council Bluffs, Ia.
MONARCH packing—A. W. Chesterton Co., 64 India, Boston, Mass.
MONARCH padlock locks—U. S. Lock & Hdwe. Co., Columbia, Pa.
MONARCH paints—Martin-Senour Co., 2514 Quarry, Chicago, Ill.

MONARCH ratchet drills—Keystone Mfg. Co., Buffalo, N. Y.
MONARCH refillable cartridge fuses—Ackley Brake & Supply Corp., 50 Church, New York
MONARCH root cutters—Donaldson Bros., Mount Clemens, Mich.
MONARCH rubber tires—Monarch Tire Co., Hartville, Ohio
MONARCH safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
MONARCH sash operating devices—Payson Mfg. Co., 2918 W. Jackson blvd, Chicago, Ill.
MONARCH saw sets—Hy. Disston & Sons, Tacony, Phila., Pa.
MONARCH sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
MONARCH spark plugs—Benford Mfg. Co., Mount Vernon, N. Y.
MONARCH spice mills—Wrightsville Hardware Co., Wrightsville, Pa.
MONARCH steam heaters—Wm. H. Page Boiler Co., 141 W. 36th, New York
MONARCH steam road rollers—American Road Machinery Co., Kennett Square, Pa.
MONARCH step ladders—Pratt Mfg. Co., Coldwater, Mich.
MONARCH step ladders—Superior Ladder Co., Goshen, Ind.
MONARCH straw dispensers—Coe Mfg. Co., 35 Warren, New York
MONARCH tack claws & pullers—Bradley & Farnham, Middlefield, Conn.
MONARCH tank heaters, windmills—Celina Mfg. Co., Celina, Ohio
MONARCH time recorders, time stamps & clocks—Yaxley Mfg. Co., 1101 W. Monroe, Chicago, Ill.
MONARCH tire benders—Kane & Roach, Syracuse, N. Y.
MONARCH wall plaster & finish—Wasem Plaster Co., Fort Dodge, Ia.
MONARCH water heaters—American Stove Co., 827 Chouteau av., St. Louis, Mo.
MONARCH weatherproof wire, flexible cords & copper insulated wire—Monarch Electric & Wire Co., 622 W. Adams, Chicago, Ill.
MONARCH window ventilators—Monarch Ventilator Co., 39 Church, New York
MONARCH woven wire fences—Keystone Steel & Wire Co., Peoria, Ill.
MONARCH-ACME core ovens—Monarch Engng. & Mfg. Co., American bldg., Baltimore, Md.
MONARCH-ARUNDEL core ovens—Monarch Engng. & Mfg. Co., American bldg, Baltimore, Md.
MONARCH BELL ladle heaters—Monarch Engng. & Mfg. Co., American bldg, Baltimore, Md.
MONARCH JUNIOR core ovens—Monarch Engng. & Mfg. Co., American bldg., Baltimore, Md.
MONARCH JUNIOR core ovens—Monarch Engng. & Mfg. Co., American bldg., Baltimore, Md.
MONARCH PROOFER bakers' machines—Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
MONARCH-ROCKWELL annealing, assayers; bullion, case hardening, melting, reducing, refining, reheating, tinning, & welding furnaces—Monarch Engng. & Mfg. Co., American bldg, Baltimore, Md.
MONARCH SUNSHINE steam heaters—Reading Scale & Machine Co., Reading, Pa.
MONASH steam separators, valves, radiator shields, steam traps—Monash-Younker Co., 1407 W. Jackson blvd., Chicago, Ill.
MONASTERY wood stains—Patterson-Sargent Co., 1325 E. 38th, Cleveland, O.
MONATIQUOT reclaimed rubber—Monatiquot Rubber Works Co., S. Braintree, Mass.
MONAX lighting glass—Macbeth-Evans Glass Co., C. of C. bldg., Pittsburgh, Pa.
MONCE glass cutters—S. G. Monce, Unionville, Conn.
MONCRIEFF gauge glasses—H. A. Rogers Co., 87 Walker, New York
MONEY-MAKER baling presses & ensilage cutters & rice threshers—Swayne, Robinson & Co., Richmond, Ind.
MONEY SAVER baling presses—Woodall Mfg. Co., 500 Taylor, Davenport, Ia.
MONIGHAN drag line excavators, mortar mixers—Monighan Machine Co., 2032 Carroll av, Chicago, Ill.
MONITOR ash & garbage cans—Central Stamping Co., 174 Fulton, New York
MONITOR barn cupalos—B. F. Litchy & Son, Waterloo, Iowa
MONITOR belting, hose, packing—Empire Tire & Rubber Corp., Trenton, N. J.
MONITOR boiler injectors—Nathan Mfg. Co., 416 E. 106th, New York
MONITOR book binders' machinery—Latham Machinery Co., 1153 Fulton, Chicago, Ill.
MONITOR car truck & body bolsters—Chicago Railway Equipment Co., 1928 W. 46th, Chicago, Ill.
MONITOR clothes washing machines—Huenergardt Mfg. Co., Lincoln, Neb.
MONITOR canning, coffee polishing, flour mill, grain cleaning machines, etc.—Huntley Mfg. Co., Silver Creek, N. Y.
MONITOR coffee or spice mills—Mirroscope Co., 168th & Waterloo, Cleveland, O.
MONITOR corn & cob mills, gasoline engines, windmills—Baker Mfg. Co., Evansville, Wis.
MONITOR electric bells—Manhattan Electrical Supply Co., 17 Park pl, New York
MONITOR feed water heaters, oil extractors—Jarvis Engine & Machine Works, Lansing, Mich.
MONITOR gas mixers—Cullen & Atkinson Co., Hartford, Conn.
MONITOR gas ranges—Monitor Stove Co., C. H. & D. R. R., nr. Gest, Cincinnati, Ohio
MONITOR glass cutters—Millers Falls Co., 28 Warren, New York
MONITOR grain drills, rice planting drills, seeders & sowers—Moline Plow Co., Moline, Ill.
MONITOR green pea cleaning & grading machines—Sprague Canning Machinery Co., 222 N. Wabash av, Chicago, Ill
MONITOR hand carts—Frank J. Aubeuf, Oneida, N. Y.
MONITOR heaters & radiators — Monitor Bi-Loop Radiator Co., Lancaster, Pa.
MONITOR hose nozzles — Andrew J. Morse & Son (Inc.), 221 High, Boston, Mass.
MONITOR ice cream freezers—Thomas Mills & Bro., 8th & Thompson, Phila., Pa.
MONITOR levels & transits—C. L. Berger, 35 Williams, Boston, Mass.
MONITOR portable lamp guards—McGill Mfg. Co., 26 Oak, Valparaiso, Ind.
MONITOR packing—Allen Packing Co. (Est. of), Collingswood, N. J.
MONITOR packing—Mulconroy Co., 54th & Jefferson, Philadelphia, Pa.
MONITOR paints—Barrett Co., 17 Battery pl, New York
MONITOR pasteurizing machines—Loew Mfg. Co., 9100 Madison av, N. W., Cleveland, Ohio
MONITOR power & irrigating pumps—Humphreys Mfg. Co., Mansfield, Ohio
MONITOR range boilers—Walls, Owen & Stambach Co., Phila., Pa.
MONITOR sash locks — Champion Hardware Co., Geneva, Ohio
MONITOR steam heaters—Monitor Bi-Loop Radiator Co., Lancaster, Pa.
MONITOR steam traps—Lawler Regulator Co., 55 W. Houston, N. Y.
MONITOR sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
MONITOR turbine water wheels—Lane Mfg. Co., Montpelier, Vt.
MONITOR water gauges—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
MONITOR well augers—Gustave Pech Foundry & Machine Co., Le Mars, Ia.
MONITOR wood sawing machines—Greendale Gas Engine Co., Worcester, Mass.
MONKEY-SHINE metal polish—Hazen-Brown Co., 727 Atlantic av, Boston, Mass.
MONK'S moulders' tools—Oscar Barnett Foundry Co., Irvington, N. J.
MONMOUTH cultivators—Monmouth Plow Factory, Monmouth, Ill.
MONNOT copper clad steel, silver plated steel, copper wire—Duplex Metal Co., Chester, Pa.
MONO gas analysis apparatus—Mono Corp. of Amer., Coal & Iron Exchange bldg., Buffalo, N. Y.
MONOBEL explosives—du Pont de Nemours & Co., E. I., Wilmington, Del.
MONOCOIL MOTOR electric toys—C. D. Wood Electric Co., 441 Broadway, New York
MONOGRAM belt lacing—National Leather Mfg. Co., Niles, Mich.
MONOGRAM enameled ware—John Dunlap Co., Carnegie, Pa.
MONOGRAM gate valves—Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
MONOGRAM hot water heaters—Hopson & Chapin Mfg. Co., New London, Conn.
MONOGRAPH feed water purifiers—Berry Engineering Co., Chester, Pa.
MONOLENE corn & cottonseed oils—Bakers Products Co., 1125 W. 11th, Cleveland, O.
MONOLITH sanitary flooring — American Monolith Co., 97 Wisconsin, Milwaukee, Wis.
MONONA printing machinery—Wisconsin Foundry & Machine Co., Madison, Wis.
MONONGAHELA VALLEY miners' lamps—Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.

MONOPIVOT pyrometers—Wilson-Maeulen Co., 383 Concord av, New York
MONOPLANE steering sleds—Carriage & Toy Co., 741 W. Lombard, Baltimore, Md.
MONOPLEX automobile horns—Kent Atwater Mfg Works, 4937 Stenton, Phila., Pa.
MONROE partitions—Monroe Screen-Blind Partition Co., Lima, Ohio
MONSCO silos—Monolithic Silo & Const. Co., 122 S. Michigan av, Chicago, Ill.
MONSON slate—Portland-Monson Slate Co., Portland, Me.
MONTAGUE ribbon print addressing machines—Stickney & Montague, Chattanooga, Tenn.
MONTANA belting—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
MONTAUK hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
MONTAUK paints—Montauk Paint Mfg. Co., 2nd av, Brooklyn, N. Y.
MONTE wrenches—Monte Wrench Co., Shelbyville, Ind.
MONTEAGLE piston packing—Lockwood Mfg. Co., 44 N. Market, Boston, Mass.
MONTGOMERY nail pullers — P. Lowentraut Mfg. Co., 36 Brenner, Newark, N. J.
MONTROSE gauge glasses—E. F. Keating Co., 446 Water, New York
MOOMY inner tubes—Keystone Rubber Mfg. Co., Erie, Pa.
MOON padlock locks—United Lock & Hardware Co., Columbia, Pa.
MOON plow coulters—B. F. Avery & Sons, Louisville, Ky.
MOON telephone cable terminals, turbine generators and locomotive headlights—Moon Mfg. Co., 122 N. Jefferson, Chicago, Ill.
MOONLIGHT fishing bait—Moonlight Bait Co., Paw Paw, Mich.
MOONSHINE BRAND metal polish—Wm. T. Johnston Co., 3d & Vine, Cincinnati, Ohio
MOONSHINE metal polish—Wm. R. Winn, 488 Cherry, New York
MOONSTONE illuminating glassware, etc.—Jefferson Glass Co., 5 So. Wabash av, Chicago, Ill.
MOOR milling machine attachments for lathes—Eccles & Smith Co., 71 1st, San Francisco, Cal.
MOORE belt sanding machines, wood carving machines—Curtis Mach. Corp., Jamestown, N. Y.
MOORE car door hangers—Stowell Mfg. & Fdry. Co., So. Milwaukee, Wis.
MOORE clothes washing machines, feed grinding mills—Moore Given Co., Spring Valley, Ill.
MOORE cultivators, feed cookers, potato diggers, farm boilers, gasoline engines—Moore Plow & Implement Co., Greenville, Mich.
MOORE electric clocks—Electric Time & Mfg. Co., West Lafayette, Ind.
MOORE metal polish—E. C. Moore & Sons Co., 11 Elizabeth, W. Detroit, Mich.
MOORE railway track drills—Kalamazoo Railway Supply Co., Kalamazoo, Mich.
MOORE slime filters, cyanide plants & filter presses—Moore Filter Co., 50 E. 42d, New York
MOORE steam pumps — Union Steam Pump Co., Battle Creek, Mich.
MOORE & BRISTOL'S can filling machine—Sprague Canning Machinery Co., 222 N. Wabash av, Chicago, Ill.
MOORE'S BAGGAGE DOOR car door hangers—Chisholm-Moore Mfg. Co., 5046 Lakeside, Cleveland, Ohio
MOORE'S capstan screws—G. W. Moore, 44 Farnsworth, Boston, Mass.
MOORE'S chain hoists, elevator door hangers, locks—Chisholm-Moore Mfg. Co., 5406 Lakeside, Cleveland, Ohio
MOORE'S clothes pins—National Spring Clip Co., Montpelier, Vt.
MOORE'S cocks & bibbs—Peck Bros. & Co., New Haven, Conn.
MOORE'S fountain pens—Adams, Cushing & Foster, 168 Devonshire, Boston, Mass.
MOORE'S stoves & hot air furnaces—Moore Bros. Co., Joliet, Ill.
MOORE'S window fasteners—Stanley Works, New Britain, Conn.
MOOSE sporting & athletic goods—Brauer Bros. Mfg. Co., 204 N. 14th, St. Louis, Mo.
MORAN flexible joints—Pittsburgh Valve, Fdry. & Constrn Co., 26th & A. V. R. R., Pittsburgh, Pa.
MORAN pneumatic lifts — Ingersoll-Rand Co., 11 Broadway, New York
MORAN steam heaters—Moran Boiler Co., Hopkins, Minn.



MORAN'S belt couplings—Greene, Tweed & Co., 109 Duane, New York.
MORDEN PERFECT key rings—Morden Mfg. Corporation, Waterbury, Conn.
MOREHEAD'S gas burettes—E. N. Sargent & Co., 155 E. Superior, Chicago, Ill.
MOREHEAD steam traps—Morehead Mfg. Co., Detroit, Mich.
MORE-JONES "TIGER" bronze armature & axle bearings—More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
MORELAND ring packing—H. Johnson Co., ft. Gates av, Jersey City, N. J.
MORELL PATTERN saw sets—Bullock Mfg. Associates, Springfield, Mass.
MORE-LYTE wall finish—Arlington Mfg. Co., Canton, Ohio
MOREY welding compound—Morey Flux & Chemical Co., Parkersburg, Pa.
MORGAN cranes, hammers, shears, punches, bending & flanging machines—Morgan Engineering Co. Alliance, Ohio.
MORGAN door springs, producers, gas machines—Morgan Construction Co., Worcester, Mass.
MORGAN hose clamps & couplings & spark plugs—Morgan Mfg. Co., Inc., Keene, N. H.
MORGAN spading harrows—Wiard Plow Co, Batavia N Y.
MORGANITE carbon brushes—Morgan Crucible Co., 519 W. 38th, New York
MORGANS HANDY hollow handle tools—Morgan Mfg. Co., Inc., Keene, N. H.
MORIN'S saw gauges—Morin Saw Gauge Mfg. Co., Seattle, Wash.
MORISON corrugated furnaces — Continental Iron Works, West & Calyer, Brooklyn, N. Y.
MOROCCOLINE leather cloth—Zapon Leather Cloth Co., 200 5th av, New York
MORRAL labeling machines—Morral Bros., Morral, Ohio
MORRILL saw sets, box openers, nail & spike pullers, punches, bench stops, seal presses—Chas. Morrill, 100 Lafayette, New York
MORRILL PATTERN saw sets—L. A. Sayre & Co., 332 Mulberry, Newark, N. J.
MORRIS horizontal drilling machines—Morris Machine Tool Co., Court & Harriet, Cincinnati, O.
MORRIS kitchen saws—Cassady, Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
MORRIS-WESTON sugar centrifugals — Cresson-Morris Co., Allegheny av & 18th, Phila., Pa.
MORRISON storage batteries—Helio Mfg. Co., 2530 N. Broad, Bridesburg, Philadelphia, Pa.
MORROCO black sheet packing—General Asbestos & Rubber Co., Charleston, S. C.
MORROW coaster brakes—Eclipse Machine Co., Elmira, N. Y.
MORROW drill chucks—E. Horton & Son Co., Windsor Locks, Conn.
MORSE arbors, lath centers, centers, counterboxes, countersinks, cutters, dies, drills, gauges, grinders, mills, reamers, sockets, taps, wrenches, etc.—Morse Twist Drill & Machine Co., New Bedford, Mass.
MORSE drafting tables—American Drafting Furniture Co., 129 Mill, Rochester, N. Y.
MORSE dust collectors—Knickerbocker Co., Jackson, Mich
MORSE electric belts, insoles and inhalers—Electric Appliance Co., Burlington, Kans.
MORSE incandescent lamp guards, lamp cord adjusters, trouble finding lamps, searchlights, wire connectors—Frank W. Morse, 289 Congress, Boston, Mass.
MORSE roughing and finishing taper reamers—Greenfield Die & Tap Corp., Greenfield, Mass.
MORSE silent running transmission chain & high speed chain sprockets—Morse Chain Co., Ithaca, N. Y.
MORSE wall ties—J. B. Prescott & Son, Webster, Mass.
MORSE window ventilators—L. Morse & Sons, Athol, Mass.
MORSE wood bits—Union Twist Drill Co., Athol, Mass.
MORSE BEACH drill chucks—Morse Twist Drill & Machine Co., New Bedford, Mass.
MORSE EUREKA testing clips, electric cable hangers, centre handle switches, telephone plug terminals—Frank W. Morse, 289 Congress, Boston, Mass.
MORSE STETSON drill chucks—Morse Twist Drill & Machine Co., New Bedford, Mass.
MORSE WATCH telegraph instruments—Manufacturers & Inventors Electric Co., 29 Gold, New York

MORTON razor strops—National Cutlery Co., Phila., Pa.
MORTY rat traps—Detroit Wire & Iron Works, 1160 E. Jefferson, Detroit, Mich.
MORUS water closets—Fort Pitt Supply Co., 332 2nd av, Pittsburgh, Pa.
MOSAIC enameled blotting paper—Wrenn Paper Co., Middletown, Ohio
MOSCO automobile wheel pullers—Motor Specialties Co., Waltham, Mass.
MOSELEY surface grinders—Moseley Lathe Co., Elgin, Ill.
MOSER casing heads—Kane Supply Co., Kane, Pa.
MOSER mine drills—What Cheer Tool Co., What Cheer, Ia.
MOSER pneumatic lifts—Ingersoll-Rand Co., 11 Broadway, New York
MOSHEIK wash boilers—Philip Mosheik, 1108 S. Halsted, Chicago, Ill.
MOSHER bag holders—Webster Mfg. Co., 4500-60 Courtland, Chicago, Ill.
MOSHER electric car headlights—Dayton Mfg. Co., Dayton, Ohio
MOSHER jacks—F. M. Deweese & Co., Chillicothe, Ohio
MOSHER steam & oil separators—United Machine & Mfg. Co., Canton, O.
MOSHER tool racks—F. M. Mosher, Canton, Ill.
MOSSBERG wrenches, reels, cotter pin extractors, letter openers—Frank Mossberg Co., Attleboro, Mass.
MOSSMANN harness specialties buckle shields—North & Judd Mfg. Co., New Britain, Conn.
MOSS UNIVERSAL lathe chucks—Commonwealth Supply Co., Mutual bldg., Richmond, Va.
MOTEX babbitt metal—I. M. Jacobson & Sons Co., 70 Catherine, Detroit, Mich.
MOTHALINE insecticides—H. C. Dusenberry (Inc.), 95 Gold, New York
MOTH-NO insecticide—Plunkett Chemical Co., 2540 Cottage Grove av, Chicago, Ill.
MOTOR padlocks—Slaymaker Lock Co., Lancaster, Pa.
MOTORBESTOS brake lining—Asbestos & Rubber Works of America, 58th & Broadway, New York
MOTORCYCLE MIKE toys—Am. Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill.
MOTORITE packing—Crandall Packing Co., Palmyra, N. Y.
MOTOR KIT gas pliers—Crescent Tool Co., 200 Harrison, Jamestown, N. Y.
MOTOROPE automobile towing ropes—Asch & Co., 16 W. 61st, New York
MOTSINGER plug switches—Motsinger Device Mfg. Co., Lafayette, Ind.
MOUAT vapor heating system—Mouat-Squires Co., 1246 W. 4th, Cleveland, Ohio
MOUND automobile tools and triangles—Mound Tool & Scraper Co., 1203 S. 7th, St. Louis, Mo.
MT. DIABOL cement—Cowell Portland Cement Co., San Francisco, Cal.
MT. GILEAD fruit presses—Hydraulic Press Mfg. Co., Mount Gilead, Ohio
MT. HOOD fanning mills—Johnson & Field Mfg. Co., Racine, Wis.
MT. JOY steak pounders—Grey Iron Casting Co., Mt. Joy, Pa.
MT. TOUR lawn mowers—Worcester Lawn Mower Co., Worcester, Mass.
MT. VERNON belting—Mount Vernon Belting Co., 333 Warren av, Baltimore, Md.
MOUNTVILLE potato diggers—Mountville Mfg. Co., Mountville, Pa.
MOUSSIN saponine and aniline, colors and chemicals—H. Lieber & Co., 14 Platt, New York
MOWELL relief valves—Augustus Mowell, Paterson, N. J.
MOYLE cyanide mills, tanks, gate valves, ore concentrators and crushers, etc.—E. H. Moyle Engineering & Equipment Co., 508 E. 9th, Los Angeles, Cal.
MO-YO-CO. steam traps—Monash-Younker Co., 1407 W. Jackson blvd, Chicago, Ill.
MR. BILL riding listers—B. F. Avery & Sons, Louisville, Ky.
MR. PUNCH automatic drilling machines—Goodell-Pratt Co., Greenfield, Mass.
MRS. BEST'S sad irons—Wrightsville Hardware Co., Wrightsville, Pa.
MRS. POTT'S sad irons—Bless & Drake, 175 N. J. RR. av, Newark, N. J.
MRS. POTTS sad irons—Colebrookdale Iron Co., Pottstown, Pa.
MRS. POTTS sad irons—Electric Mfg. Co., 50 New Montgomery, San Francisco, Cal.
MRS. POTT'S sad irons—Rock Island Mfg. Co., Rock Island, Ill.
MRS. POTTS sad irons—Loetscher-Ryan Mfg. Co., Dubuque, Ia.
MRS. POTTS sad irons—N. R. Streeter & Co., Rochester, N. Y.
MUDGETT tank heaters—Sargent, Osgood & Roundy Co., Randolph, Vt.
MUDGE-PEERLESS ventilator mfrs.—Mudge & Co., 80 E. Jackson blvd, Chicago, Ill.
MUELLER hot air furnaces, steam heaters—L. J. Mueller Furnace Co., Milwaukee, Wis.
MUELLER pipe tongs—H. Mueller Mfg. Co., Decatur, Ill.
MUELLER-SCHUTTE steam traps—Schutte & Koerting Co., 1251 N. 12th, Phila., Pa.
MUENZEL gas engines—Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
MUISA toilet paper—Union Paper & Twine Co., 125 St. Clair av, N W, Cleveland, O.
MULCONROY hose couplings, flexible metallic tubing—Mulconroy Co., 54th & Jefferson, Phila., Pa.
MULE-HIDE roofing & shingle rolls—Lehon Co., W., 4451 S. Oakley av, Chicago, Ill.
MULE PULL friction clutches, friction clutch couplings—Brown Engineering Co., Reading, Pa.
MULESKIN leather cloth—Zapon Leather Cloth Co., 200 5th av, New York
MULFORD steam heaters—Galva Heater Co., Galva, Ill.
MULLEN air pumps—C. H. Wheeler Mfg. Co., Lehigh & 18th, Phila., Pa.
MULLEN paper testers—B. F. Perkins & Son, Holyoke, Mass.
MULLER barrel washing machines, hop separators—Ferdinand Aue Co., 401 E. 91st, New York
MULLER pan grinder rims—Railway Steel Spring Co., 30 Church, New York
MULLHOLLAND hatch fasteners—Mullholland Hatch Fastener Co., Cleveland, Ohio
MULLIN cable reel jacks—Norris Electric Specialties Co., 126 Liberty, New York
MULT-AU-MATIC vertical boring & turning machines—Bullard Machine Tool Co., Bridgeport, Conn.
MULTE KOPY carbon paper—F. S. Webster Co., 340 Congregational, Boston, Mass.
MULTI switch and service boxes, conduit fittings, etc.—Multi Electrical Mfg. Co., 703 Fulton, Chicago, Ill.
MULTIBESTOS asbestos brake lining, splicing compounds, clutch facings & insulating tape—Standard Woven Fabric Co., Walpole, Mass.
MULTICO insulating tape—Standard Woven Fabric Co., Walpole, Mass.
MULTIFEX atmospheric valves—C. H. Wheeler Mfg. Co., Lehigh av & 18th, Phila., Pa.
MULTI-METAL bolting cloth—Multi-Metal Separating Screen Co., 251 W. 19th, New York
MULTI-PLATE hot air furnaces—J. Zellweger & Sons, St. Louis, Mo.
MULTIPLATE valves—O'Malley-Beare Valve Co., Railway Ex. bldg, Chicago, Ill.
MULTIPLE medicinal atomizers—Hospital Rubber Co., Attleboro, Mass.
MULTIPLE reversible ratchet wrenches—Lowell Wrench Co., Worcester, Mass.
MULTIPLE valves—O'Malley-Beare Valve Co., Railway Exchange, Chicago, Ill.
MULTIPLE UNIT electric furnaces—Eimer & Amend, 205 3d av, New York
MULTIPLEX corrugated iron & steel—Berger Mfg. Co., Canton, Ohio
MULTIPLEX hardware display fixtures—Multiplex Display Fixture Co., St. Louis, Mo.
MULTIPLEX sugar evaporators—Blair, Campbell & McLean, Inc.—Colonial Trust bldg., Phila., Pa.
MULTIPLEX wrenches—Lowell Wrench Co., Worcester, Mass.
MULTIPLUS lubricators—Greene, Tweed & Co., 109 Duane, New York
MULTISPRA paint & white wash spraying machines—Deming Co., Salem, Ohio
MULTI-USE bed side tables—J. R. Baker & Sons Co., Kendallville, Ind.
MULTI-VAPO-GAP lightning arresters—Lord Mfg. Co., 105 W. 40th, New York
MULTIWHIRL oil coolers—Griscom-Russell Co., 92 West, New York
MULTOMETER speedometer—Hamilton Corp., Lancaster, Pa.
MULVEY stirrups—Variety Mfg. Co., 2958 Carroll av, Chicago, Ill.
MUMFORD fire escapes—S. F. Hayward & Co., 250 W. 54th, New York
MUMFORD foundry molding machines—Dayton Moulding Machine Co., Dayton, Ohio
MUMFORD moulding machines—Hanna Engineering Works, 764 Elton av, Chicago, Ill.

MUNCIE brake drums—Muncie Gear Works, Muncie, Ind.
MUNCIE oil engines—Muncie Oil Engine Co., Muncie, Ind.
MUNCIE CROWN automobile and steel castings—Muncie Malleable Castings Co., Muncie, Ind.
MUNCIE TYPE glass insulators—Hemingway Glass Co., Covington, Ky.
MUNGER cotton ginning machinery—Continental Gin Co., Birmingham, Ala.
MUNGER piston rings—Splitdorf Electrical Co., 98 Warren, Newark, N. J.
MUNIT switch boxes—Cutter Electrical & Mfg. Co., 19th & Hamilton, Philadelphia, Pa.
MUNN feed water heaters—Phoenix Iron Works Co., Meadville, Pa.
MUNNSVILLE fruit evaporators—Munnsville Plow Co., Munnsville, N. Y.
MUNTON car couplers—National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, Ohio
MURALITE hot water calcimine or wall finish—M. Ewing Fox Co., 241 E. 136th, New York
MURALTINT cold water paints—Columbia Refining Co., 90 West, New York
MURCHEY collapsible taps, self opening dies, pipe cutters, nipple threading machines—Murchey Machine & Tool Co., 85 Porter, Detroit, Mich.
MURDOCK bobbin holders—Murdock & Geb Co., Franklin, Mass.
MURDOCK hydrants—Illinois Malleable Iron Co., 1801 Diversey blvd., Chicago, Ill.
MURESCO kalsomine and wall finish—Benjamin Moore & Co., 231 Front, Brooklyn, N. Y.
MURO burlap—Cotta-a-Lap Co., Somerville, N. J.
MURPHY carriage fasteners—G. W. J. Murphy Co., Amesbury, Mass.
MURPHY dry kilns—Ridgway Mfg. Co., Ridgway, Pa.
MURPHY pneumatic rock drills—Wickes Machinery Co., Jersey City, N. J.
MURPHY range boiler stands—Central Foundry Co., 90 West, New York
MURPHY smokeless furnaces—Murphy Iron Works, ft. of Walker, Detroit, Mich.
MURPHY flushing valves—Murphy Specialty Co., 90 2d, Milwaukee, Wis.
MURRAY carriage top raisers—P. A. Murray & Co., Newton, Mass.
MURRAY electric lamp hoods—National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
MURRAY boiler feed regulators—Wright-Austin Co., 97 Woodbridge, W. Detroit, Mich.
MURRAY KEYOKE coupler yokes—Keyoke Railway Equipment Co., Monadnock bldg., Chicago, Ill.
MUSHROOM concrete steel construction—C. A. P. Turner, 627 1st Ave., N. Minneapolis, Minn.
MUSIC MASTER phonograph horns—Sheip & Vandegrift, 820 N. Lawrence, Phila., Pa.
MUSKEGON motor trucks—Muskegon Engine Co., Muskegon, Mich.
MUSSELMAN coaster brakes—Miami Cycle & Mfg. Co., Middletown, Ohio
MUSTANG rope lariats—Diamond Whip Co., 406 N. Curtis, Chicago, Ill.
MUTUAL lubricators—Detroit Shipbuildings Co., ft. Orleans, Detroit, Mich.
MYAMA shade cloth—Chas. W. Breneman & Co., 2045 Reading rd, Cincinnati, Ohio
MY CHOICE stove lid lifters—Grey Iron Casting Co., Mt. Joy, Pa.
MY CROWN resistance wire—Satisfaction Guaranteed Corp., 659 Fulton, Chicago, Ill.
MYERS arbor presses, engine lathes, drilling machines, emery grinders & improved geared hack saw—Myers Mach. Tool Co., Columbia, Pa.
MYERS automatic bench drilling machines—Myers Mach. Tool Co., Columbia, Pa.
MYERS blow-off valves—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
MYERS blow-off valves—Kennedy-Stroh Corp'n, Pittsburgh, Pa.
MYERS boiler cleaners—Manchester Mfg. Co., North Manchester, Ind.
MYERS common fireplace dampers—Colonial Fireplace Co., 4631 W. 12th, Chicago, Ill.
MYERS hay tools, barn door, hinge & rail hangers, pumps, ladders, paint & whitewash spraying machines, spray guns—F. E. Myers & Bro., Ashland, Ohio.
MYERS spray nozzles—F. E. Myers & Bro., 900 4th, Ashland, Ohio.
MYERS wall ties—Mercer Mfg. Co., Mercer, Pa.
MYERS ELCETRIC water supply systems—F. E. Myers & Bro., 900 Fourth, Ashland, O.
MYSTERIOUS dustless dust cloths—Gem Supply Co., Waterbury, Conn.
MYSTIC cutting lubricants—Swan & Finch Co., 165 Broadway, New York.
MYSTIC glue—International Glue Co., 201 Devonshire, Boston, Mass.
MYSTIC spray nozzle—W. D. Allen Mfg. Co., 566 W. Lake, Chicago.
MYSTIC water filters—Jones Mfg. Co., 243 Franklin, Boston, Mass.
MYSTIC ACME cutting & drilling compounds—Cataract Refining & Mfg. Co., Buffalo, N. Y.
N-B flushing valves—Dececo Co., 157 High, Boston, Mass.
N. B. C. caston worm gear oil—N. B. Cook Oil Co., 148 Front, New York
N. B. C. copper ingots—Balbach Smelting & Refining Co., 580 Market, Newark, N. J.
N. B. O. rubber hose & packing—Home Rubber Co., Trenton, N J.
N. F. O. lubricating oil gun—N. Y. & N. J. Lubricant Co., 165 Broadway, New York
N. H. flushing valves—Exeter Brass Works, Exeter, N. H.
N. I. R. rubber packing—National India Rubber Co., Bristol, R. I
N. R. C. protective paint—National Roofing Co., Tonawanda, N. Y.
N. & CO. ARCTIC stove lid lifters—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
N. & CO. box chisels, nut crackers & picks—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
N.-W. enclosed fuses—Columbia Machine Works & Malleable Iron Co., 269 Chestnut, Brooklyn, N. Y.
N. W. lawn trimmers—Northwestern Stamping Co., Burlington, Ia.
NABOB cylinder oil—Texas Company, 17 Battery pl, New York
NACEFAS oily waste cans—A. C. Kraft, 323 W. Lake, Chicago, Ill.
NALVOLITE valve stem packing—Quaker City Rubber Co., 629 Market, Philadelphia, Pa.
NAMCO dies & collapsible taps—National Acme Co., 7500 Stanton av, S. E., Cleveland, Ohio
NAMELESS flour sieves — Parker Wire Goods Co., Worcester, Mass.
NANTUCKET hammock—Brooks Tent & Awning Co., Denver, Colo.
NANZ IMPERIAL watchman's clocks—Nanz Clock Co., 178 Fulton, New York
NAPANOCH pocket knives—U. J. Ulery Co., 258 Broadway, New York
NAPIER band saws, metal cutting-off machines & blades & jewelers saws—Napier Saw Wks., Inc., Springfield, Mass.
NAPIER pig iron—Napier Iron Works, Nashville, Tenn.
NAPLES VELVET FINISH flat wall finish—Adams & Elting, 726 W. Washington, Chicago, Ill.
NAPOLEON padlocks—Slaymaker Lock Co., Lancaster, Pa.
NAPOLEON tank heaters—Heller-Aller Co., Napoleon, Ohio
NAPPANEE kitchen cabinets—Coppes Bros. & Zook, Nappanee, Ind.
NAPROCO potash bichromates—Natural Products Refining Co., 902 Garfield av, Jersey City, N. J.
NAPTHOL-PHENOLINE disinfectants—Corbin Disinfecting Co., Front & Walnut, Phila., Pa.
NARCO bath tubs—McVay-Walker Co., Braddock, Pa.
NARRAGANSETT rubber hose & packing—National India Rubber Co., Bristol, R. I.
NASH gas engines—National Meter Co., 299 B'way, New York
NASH hot pan lifters—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
NASH sand papering machines, saw & chuck machines—J. M. Nash, 842 30th, Milwaukee, Wis.
NASH vacuum pumps—Nash Engineering Co., South Norwalk, Conn.
NASH GEM water meters—National Meter Co., 299 B'way, New York
NASH'S saw sets—Landers, Frary & Clark, New Britain, Conn.
NASHUA ice cream freezers—White Mountain Freezer Co., Nashua, N. H.
NASON steam specialties—Nason Mfg. Co., 71 Fulton, New York
NASON CLASS B steam traps—Nason Mfg. Co., 71 Fulton, New York
NASON CLASS C steam traps—Nason Mfg. Co., 71 Fulton, New York
NASON SIDELUG steam traps—Nason Mfg. Co., 71 Fulton, New York
NASON-VESUVIUS steam traps—Nason Mfg. Co., 71 Fulton, New York
NASSAU hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York

NASSAU spelter—New Jersey Zinc Co., 160 Front, New York
NATCO hollow tile silos—National Fireproofing Co., Fulton bldg, Pittsburgh, Pa.
NATCO multiple spindle drilling & tapping machines—National Automatic Tool Co., Richmond, Ind.
NATHAN automobile trunks—Nathan Novelty Mfg. Co., 55 5th av, New York
NATHAN injectors, lubricators—Nathan Mfg. Co., 416 E. 106th, New York
NATIONAL air compressors, vacuum pumps—National Steam Pump Co., Upper Sandusky, Ohio
NATIONAL air valves—National Steam Specialty Co., 16 S. Clinton, Chicago, Ill.
NATIONAL aqua & angydrous ammonia—National Ammonia Co., 3600 N. Broadway, St. Louis, Mo.
NATIONAL ash sifters—National Can Co., 36 Washington, Boston, Mass.
NATIONAL asphalt heaters, barrows, lead melting furnaces, trucks, coal & dumping cars—Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
NATIONAL asphalted pipe, bedstead & bicycle tubing, boiler tubes, columns, casing, flange union pipe for bends; coils & posts, hydraulic pipe, pipe & tube mills, tuyere pipe, square & steel tubing, tubular steel poles, rolling mills—National Tube Co., Frick bldg, Pittsburgh, Pa.
NATIONAL bankers' safety paper—Geo. La Monte & Son, 61 Broadway, New York
NATIONAL barn door hangers—National Mfg. Co., Sterling, Ill.
NATIONAL belting, belt dressing, clutch linings—National Leather Mfg. Co., Niles, Mich.
NATIONAL bicycles—Davis Sewing Machine Co., Dayton, Ohio
NATIONAL boiler injectors—Champion Hardware Co., Geneva, Ohio
NATIONAL bottle washing & soaking machines, pasteurizing machines—Barry-Wehmiller Machinery Co., 4660 Florissant av, St. Louis, Mo.
NATIONAL brake beams—Chicago Railway Equipment Co., 1928 W. 46th, Chicago, Ill.
NATIONAL button hole cutters—National Cutlery Co., Westmoreland & Boudinot, Phila., Pa.
NATIONAL air brakes, air compressors, emergency & motorman's valves & pneumatic governors—National Brake & Electric Co., ft. Belleview pl, Milwaukee, Wis.
NATIONAL car couplers, car buffers—National Car Coupler Co 332 S. Michigan, Chicago, Ill.
NATIONAL carriage fasteners—National Lock Washer Co., 65 Johnson, Newark, N. J.
NATIONAL cast iron pipe, cast iron culverts—American Casting Co., Birmingham, Ala.
NATIONAL cattle guards—National Surface Guard Co., 343 S. Dearborn, Chicago, Ill.
NATIONAL cement sewer pipe machinery—Quinn Wire & Iron Works, Boone, Ia.
NATIONAL clover bunchers—National Harrow Co., LeRoy, Ill.
NATIONAL cold rolled steel, soft steel—Parkersburg Iron & Steel Co., Parkersburg, W. Va.
NATIONAL concrete inserts—Steel Co., Youngtown, Ohio
NATIONAL counting machines—National Scale Co., 11 Hendricks, Chicopee Falls, Mass.
NATIONAL cream separators—National Dairy Machine Co., Goshen, Ind.
NATIONAL cream separators—National Enameling & Stamping Co., 411 5th av, New York
NATIONAL cultivators—Roderick Leon Mfg. Co., Mansfield, Ohio
NATIONAL display racks—Weston Paper & Mfg. Co., Dayton, Ohio
NATIONAL door hangers—National Supply & Mfg. Co., 2362 Palm, St. Louis, Mo.
NATIONAL drill chucks—Oneida National Chuck Co., Oneida, N. Y.
NATIONAL drills, reamers, milling cutters, counterbors—National Twist Drill & Tool Co., Detroit, Mich.
NATIONAL feed cookers—Heller-Aller Co., Napoleon, Ohio
NATIONAL feed water heaters, steam separators—National Pipe Bending Co., New Haven, Conn.
NATIONAL flint paper, steel wool & shavings—R. J. Waddell & Co., 52 Beekman, New York
NATIONAL hand power grinders—A. A. Wood & Sons Co., Atlanta, Ga.
NATIONAL garden cultivators, land & field rollers—Thornbaugh Mfg. Co., Bowling Green, Ohio
NATIONAL garden cultivators—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
NATIONAL gas stoves, heaters, radiators, wood ranges—American Stove Co., 827 Chouteau av, St. Louis, Mo.
NATIONAL gauges, indicators, thermometers & ammeters—National Gauge & Equipment Co., La Crosse, Wis.
NATIONAL gauges, test pumps, vacuum valves—National Steam Specialty Co., 14 S. Clinton, Chicago, Ill.
NATIONAL guard rail clamps—Q. & C. Co., 90 West, New York
NATIONAL heaters—National Heater Co., Cleveland, Ohio
NATIONAL hot air furnaces—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
NATIONAL hot air registers—U. S. Register Co., Ltd., Battle Creek, Mich.
NATIONAL hot water regulators—National Regulator Co., 208 S. Jefferson, Chicago, Ill.
NATIONAL key-seating tools, milling machines—National Machine Tool Co., Cincinnati, Ohio
NATIONAL portable lamp guards—McGill Mfg. Co., 26 Oak, Valparaiso, Ind.
NATIONAL lawn clothes dryers, lemon squeezers—Tri-Angle Mfg. Co., Freeport, Ill.
NATIONAL lawn sprinklers—American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
NATIONAL lock lever faucets—National Brass Mfg. Co., Rochester, N. Y.
NATIONAL lock washers—Riverside Steel Spring Co., Riverside, N. J.
NATIONAL manila wrapping paper—Newton Paper Co., Holyoke, Mass.
NATIONAL maple flooring—A. L. Dennis Salt & Lumber Co., Grand Rapids, Mich.
NATIONAL metal polish—Grady Mfg. Co., 250 Ely av, Astoria, N. Y.
NATIONAL neck yokes—National Neck Yoke Co., Rock Island, Ill.
NATIONAL neck yokes, wagon spokes, wood singletrees—Lack Singletree Co., Paducah, Ky.
NATIONAL oil soap, soap powders—Devillers Soap Co., 95 Cliff, New York
NATIONAL paints—National Paint & Varnish Co., 8709 Kinsman rd, Cleveland, Ohio
NATIONAL paper cutting machines—Highland Mach. Co., 58 Kemble, Boston, Mass.
NATIONAL pipe hangers & unions—Thos. Devlin Mfg. Co., 3d & Lehigh av, Phila., Pa.
NATIONAL pipe joint cements—Prier Brass Mfg. Co., Kansas City, Mo.
NATIONAL pneumatic water supply systems—National Steel Tank & Mfg. Co., Bradford, Ill.
NATIONAL porcelain inssulators—National Insulator Co., Ford City, Pa.
NATIONAL portable grain elevators—Portable Elevator Mfg. Co., Bloomington, Ill.
NATIONAL postage stamp affixing machines—National Envelope Sealing & Stamping Co., Providence, R. I.
NATIONAL printing presses—National Machine Co., Hartford Conn.
NATIONAL razor strops—National Cutlery Co., Phila., Pa.
NATIONAL road machine & graders, dumping wagons—Good Roads Machinery Co., Kennett Sq., Pa.
NATIONAL rubber hose & packing—National India Rubber Co., Bristol, R. I.
NATIONAL rubber tires—National Rubber Co., Pottstown, Pa.
NATIONAL sewage disposal outfits—Henry A. Noble Co., 203 Dock, Phila., Pa.
NATIONAL shaking grates—Wm. H. Baker, Trenton, N. J.
NATIONAL shaking & dumping grates, ring oiling hangers—National Foundry Mfg. & Supply Co., Williamsport, Pa.
NATIONAL shears—National Cutlery Co., Westmoreland & Boudinot, Phila., Pa.
NATIONAL smoke helmets—S. F. Hayward & Co., 250 W. 54th, New York
NATIONAL stamp steel fixture studs, outlet boxes & covers, locknuts & bushings, & solid switch boxes—National Metal Molding Co., 1110 Fulton bldg, Pittsburgh, Pa.
NATIONAL steel split pulleys—Dodge Sales & Engineering Co., Mishawaka, Ind.
NATIONAL steel wire mats—Barbe Wire & Iron Works, 111 Washington, Chicago, Ill.
NATIONAL stencil cutting machines—New York Stencil Works, 100 Nassau, New York
NATIONAL step ladders—S. A. Smith Mfg. Co., Brattleboro, Vt.
NATIONAL stock fountains—National Tubular Axle Co., Emigsville, Pa.
NATIONAL stoves & ranges—Excelsior Stove & Mfg. Co., Quincy, Ill.
NATIONAL sugar cane shredders—Newell Mfg. Co., 149 Broadway, New York

NATIONAL thermometers, tachometers, pyrometers, gauges, marine clocks—National Gauge Co., 300 Pacific, Brooklyn, N. Y.
NATIONAL ventilators—National Skylight & Ventilator Co., Rochester, N. Y.
NATIONAL wall & ceiling—Universal Brush Co., 181 Quincy, Chicago, Ill.
NATIONAL water filters—Federal Filter Co., 1300 Grand av, Chicago, Ill.
NATIONAL water lifts—National Water Lift Co., Kalamazoo, Mich.
NATIONAL weather strips—National Metal Weather Strip Co., Pittsburgh, Pa.
NATIONAL weather vanes—National-Standard Co., Box 211, Niles, Mich.
NATIONAL wind shields—National Auto Top Co., 244 W. 49th, New York
NATIONAL wire fences—Am. Steel & Wire Co., 208 La Salle, Chicago, Ill.
NATIONAL wire link fabric—Mattatuck Mfg. Co., Waterbury, Conn.
NATIONAL wire stitching machines—Gitzendanner-Muller Co., 15 Vandewater, New York
NATIONAL wrenches—Frank Mossberg Co., Attleboro, Mass.
NATIONAL A. B. C. die blocks—National Forge & Tool Co., Irvine, Pa.
NATIONAL B. heat intensifiers & pipe joint compound—National Steam Spec. Co., 16 S. Clinton, Chicago, Ill.
NATIONAL CHAMPION curtain stretchers—Holmquist & Swanson, Superior & California av, Chicago, Ill.
NATIONAL CHAPMAN elevating trucks—National Scale Co., 11 Hendricks, Chicopee Falls, Mass.
NATIONAL CLEVELAND milling cutters—National Tool Co., Cleveland, Ohio
NATIONAL HUSTLER hot air furnaces—National Furnace Co., Dayton, Ohio
NATIONAL MAZDA lamps—General Electric Co., Schenectady, N. Y.
NATIONAL PATTERN lock washers—Quadriga Mfg. & Specialty Co., 213 W. Grand av, Chicago, Ill.
NATIONAL QUALITY wood tanks—National Tank & Pipe Co., 275 Oak, Portland, Ore.
NATIONAL STAR hot air furnaces—National Furnace Co., Dayton, Ohio
NATIONAL & WHITE PROJECTOR arc light carbons—National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, Ohio
NATITE artificial corundum—Harrison Supply Co., 209 Washington, Boston 9, Mass.
NATITE & corundum mfrs.—National Abrasive Co., 209 Washington, Boston, Mass.
NATIVE packing & rubber hose—Pioneer Rubber Mills, San Francisco, Cal.
NATRONA bi-carbonate of soda—Pennsylvania Salt Mfg. Co., Widener bldg., Philadelphia, Pa.
NATURAL SPRING sanitary drinking fountains—March-Tenny Co., Muskegon Hghts., Mich.
NATURAL VOICE talking machines—Natural Voice Phonograph Co., Inc., Oneida, N. Y.
NATURO water closets—Walls, Owen & Stambach Co., 1041 Ridge av, Phila., Pa.
NATWELD WELDING OUTFIT gauges—National Gauge & Equipment Co., La Crosse, Wis.
NATWIRE rat traps—Wickwire Spencer Steel Corp., Worcester, Mass.
NATWIRE wire specialties—Wickwire Spencer Steel Corp., Worcester, Mass.
NAUMKEG marine engines—Zina Goodell, Salem, Mass.
NAVAJO horse blankets—J. L. Hubbell, Ganado, Ariz.
NAVALITE enameled iron pipe conduits—Mark Mfg. Co., Evanston, Ill.
NAVALITE marine varnish—Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
NAVY belting—Baltimore Belting Co., 115 W. Lombard, Baltimore, Md.
NAVY boat anchors—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
NAVY glue—Standard Glue Co., 350 N. Holliday, Baltimore, Md.
NAVY oil cups—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
NAYLOR vortex steam separators—Hewes & Phillips Iron Works, 8 Orange, Newark, N. J.
NAZARETH cement—Nazareth Cement Co., Nazareth, Pa.
NAZEL pneumatic forging & power hammers—Nazel Engineering & Machine Works, 4049 N. 5th, Phila., Pa.
NEBO caboose stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
NECO ground connection clamps—Novelty Electric Co., 50 N. 4th, Phila., Pa.



NEEVEL adjustable screw clamps—Neevel Mfg. Co., Kansas City, Mo.
NEGLEY drag line excavators—Indianapolis Cable Excavator Co., Indianapolis, Ind.
NEGRITE roofing paints—Armstrong Paint & Varnish Works, 2502 S. Paulina, Chicago, Ill.
NEIDER tufting buttons—F. A. Neider Co., Augusta, Ky.
NELLA fire extinguisher—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
NELLIS grapple forks—Milwaukee Hay Fork Co., Milwaukee, Wis.
NELLIS grapple forks—J. E. Porter Co., Ottawa, Ill.
NELLIS grapple forks—G. A. Swineford Co., Canton, Ohio
NELLIS grapple forks—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
NELLIS harpoon forks—F. E. Myers & Bro., Ashland, Ohio
NELSON blowers—Nelson Blower & Furnace Co., L & Elkins, Boston, Mass.
NELSON feed water filters, oil extractors—John Acton, 118 John, Brooklyn, N. Y.
NELSON loose pulleys—Wilmarth & Morman Co., 1151 Monroe av, N. W., Grand Rapids, Mich.
NELSON metal polish—Jewel Mfg. Co., 2100 Marshall blvd, Chicago, Ill.
NELSON sanitary drinking fountains—N. O. Nelson Mfg. Co., 10th & Chestnut, St. Louis, Mo.
NELSON'S extension brush holders—Samuel Nelson, 1748 Grace, Chicago, Ill.
NEMO car couplers—McConway & Torley Co., 48th & A. V. R. R., Pittsburgh, Pa.
NE PLUS ULTRA padlocks—Slaymaker Lock Co., Lancaster, Pa.
NEOSOTE wood preservative—Protexol Corp., 41 Barclay, New York
NEPONSET electric fixtures & portables—Coffin Valve Co., Neponset, Boston, Mass.
NEPONSET PARVIT asphalt roofing & paper—Bird & Son, East, Walpole, Mass.
NEPONSET roofing, deadening felts, insulating paper, saturated asphalt shingles, fibre shipping cases Bird & Son, East Walpole, Mass.
NEPTO bathing caps, rubber gloves—Star Rubber Co., Akron, Ohio
NEPTUNE belting & belt cements—Graton & Knight Mfg. Co., Worcester, Mass.
NEPTUNE DYNAMO belting—Graton & Knight Mfg. Co., Worcester, Mass.
NEPTUNE engine lubricators—Wm. Powell Co., Cincinnati, Ohio
NEPTUNE fishing reels—General Phonograph Corp., 25 W. 45th, New York
NEPTUNE insulated wire—Atlantic Insulated Wire & Cable Co., Stamford, Conn.
NEPTUNE pneumatic water supply systems—Fleel Bros. Co., Phila., Pa.
NEPTUNE suction hose—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
NEPTUNE ATLANTIC rubber-covered wire—Atlantic Insulated Wire & Cable Co., Stamford, Conn.
NERO door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
NERVEZE rubber heels—Plymouth Rubber Co, Canton, Mass.
NESBIT hot air furnaces—Standard Furnace & Supply Co., Omaha, Neb.
NESCO ash sifters, fry pans, roasters & baking pans, poultry fountains, steel shipping barrels—National Enameling & Stamping Co., 411 5th av, New York
NESTOR engine lubricators—Wm. Powell Co., Cincinnati, Ohio
NETHERLAND pipe hangers—John Simmons Co., 110 Centre, New York
NETMESH expanded lath—Milwaukee Corrugating Co., Milwaukee, Wis.
NETTLETON end cutting nippers—Starr Bros. Bell Co., East Hampton, Conn.
NEUACHAT gasoline soldering iron—Globe Gas Light Co., 25 Union, Boston, Mass.
NEUCO electric cooking apparatus—National Electric Utilities Corp., 103 Park av, New York
NEV low water alarms—W. T. Ostrander & Co., B'way, New York
NEV-A-BURN stove polish—Chase, Roberts & Co., West av, Long Island City, N. Y.
NEVASLIP veneer panels & car roofing—Keyes Products Co., 120 B'way, New York
NEVER-BEND wash boilers—H. Behrens Mfg. Co., Winona, Minn.
NEVER BREAK calking tools, bricklayers' chisels, plumbers' tools—S. & I. Co., Springfield, Mass.
NEVER-BREAK furnace casing rings—Walworth Run Foundry Co., 2488 W. 27th, Cleveland, Ohio
NEVER BREAK lamp guards—Hamblin & Russell Mfg. Co., Worcester, Mass.

NEVER-BREAK lamp guards—Frank W. Morse, 289 Congress, Boston, Mass.
NEVER BREAK pike poles, rising forks—Columbus Handle & Tool Co., Columbus, Ind.
NEVER-BREAK plumbers' wood work—Shwab Bros. Co., 811 E. 9th, New York
NEVER BREAK roof snow guards—F. N. Peter & Bro., Newside, Pa.
NEVER BREAK sash locks—Champion Hardware Co., Geneva, Ohio
NEVERBREAK saw vises—Clipper Tool Co., 284 Mills, Buffalo, N. Y.
NEVERBREAK tack claws & pullers—W. G. Browne Mfg. Co., Kingston, N. Y.
NEVER burn enamels—Northwestern Chemical Co., Marietta, Ohio
NEVER CREEP fence anchors—Chance Mfg. Co., Centralia, Mo.
NEVER DRIP mortar hods—Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, O.
NEVER DRIP wax tapers—Columbia Wax Works, 751 E. 137th, New York
NEVER-FAIL animal pokes—Hughes & Smythe, Galena, Ohio
NEVERFAIL corn shellers—Fate-Root-Heath Co., Plymouth, Ohio
NEVER FAIL lubricators—McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
NEVER FAIL oil cans, automobile tanks—J. A. Harps Mfg. Co., Greenfield, Ohio
NEVERFALL boiler oil feeders—McRae & Roberts Co., 227 Campbell av, Detroit, Mich.
NEVER-GUM pneumatic tool lubricants—Cleveland Pneumatic Tool Co., 3734 E. 78th, Cleveland, O.
NEVER JAR LOOSE lock nuts—Drake Lock Nut Co., 10th & Folsom.
NEVER LEAK oil cans—Delphos Mfg. Co., Delphos, Ohio
NEVER LEAK range boilers—Fleck Bros. Co., 44 N. 5th, Phila., Pa.
NEVERLEAK tire fluid—Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
NEVER-MISS spark plugs—Lockwood Ash Motor Co., Jackson, Mich.
NEVEROUT bicycle lamps, carriage lamps—Rose Mfg. Co., 910 Arch, Phila., Pa.
NEVER-RUB bow separators—Springfield Auto Top & Upholstering Co., Springfield, Mass.
NEVERUST exhaust heads—Franklin Williams, Inc., 39 Cortlandt, New York
NEVER RUST for compound tools—Bancroft & Co., Harrison bldg., Phila., Pa.
NEVERSAG foundry riddles—C. O. Jelliff Mfg. Co., Southport, Conn.
NEVERSINK boat cushions—Chicago Flag & Decorating Co., 1345 S. Wabash av, Chicago, Ill.
NEVER-SINK mooring buoys—Jordan Bros. Lumber Co., 300 Main, Norfolk, Va.
NEVER SKIDS for motor truck tires—Never Skid Mfg. Co., 150 Nassau, New York
NEVER-SLIP basin clamps—Wolverine Brass Works, Grand Rapids, Mich.
NEVERSLIP belt dressing—White & Bagley Co., Worcester, Mass.
NEVER-SLIP can openers—Browne & Dowd Mfg. Co., Meriden, Conn.
NEVER SLIP car movers—Ransome Concrete Machinery Co., Dunellen, N. J.
NEVER SLIP car movers—Hilts Wrench & Mfg. Co., Richford, N. Y.
NEVER SLIP drill chucks—Champion Blower & Forge Co., Lancaster, Pa.
NEVERSLIP drive calks & side cutting pliers—Manufacturers Neverslip Works, New Brunswick, N. J.
NEVERSLIP farm tractors—Monarch Tractor Co., Watertown, Wis.
NEVERSLIP hose clamps—Cleveland Pneumatic Tool Co., 3734 E. 78th, Cleveland, Ohio
NEVER SLIP hose couplings—H. F. Neumayer & Son, Macungie, Pa.
NEVERSLIP ice creepers—Judson L. Thomson Mfg. Co., Roberts Station, Waltham, Mass.
NEVERSLIP lock washers—National Umbrella Frame Co., 30th & Thompson, Philadelphia, Pa.
NEVER SLIP MONARCH can openers—Dover Stamping & Mfg. Co., Cambridge, Mass.
NEVER SLIP nail pullers—Belden Machine Co., New Haven, Conn.
NEVERSLIP plumbers' solder—E. M. Lang Co., Portland, Me.
NEVERSLIP rod tongs—M. A. Love Mfg. Co., Rockford, Ill.
NEVER SLIP stove lid lifters—Adell Mfg. Co., Orange, Mass.
NEVERSLIP switch plates—Bethlehem Steel Co., So. Bethlehem, Pa.
NEVERSLIP tractors—Monarch Tractor Co., Watertown, Wis.
NEVERSLIP wire stretchers—Warren Specialty Mfg. Co., Warren, Ohio
NEVER-SMEAR stamp pads, rubber stamp inks—Keystone Rubber Mfg. Co., 539 Wood, Pittsburgh, Pa.
NEVER-SPLIT closet seats—Never-Split Seat Co., Evansville, Ind.
NEVER-STRETCH measuring tapes—W. G. Browne Mfg. Co., Kingston, N. Y.
NEVER TIP wire strainers—Hamblin & Russell Mfg. Co., Worcester, Mass.
NEVER TURN linemen's climbers, wire connectors—Smith & Hemenway Co., Inc., 261H B'way, New York; 13011 Coit, Irvington, N. J.
NEVER-TURN track bolts—Bethlehem Steel Co., So. Bethlehem, Pa.
NEVER TWIST screw drivers—Braunsdorf-Mueller Co., Elizabeth, N. J.
NEVERWEAR steel restaurant tables, revolving top stools—Buffalo Metal Furniture Mfg. Co., Buffalo, N. Y.
NEW AMERICAN law mowers—F. & N. Lawn Mower Co., Richmond, Ind.
NEWAGARD switch boxes, panel board cabinets, stage & receptacle plugs—Henry Newgard & Co., 953 Washington blvd., Chicago, Ill.
NEWARK dumb waiters—Storm Mfg. Co., 50 Vesey, Newark, N. J.
NEWARK fire boat nozzles & turret fire hose—A. W. Wheaton Brass Works, 110 Walnut, Newark, N. J.
NEWARK gauge glass cutters—Newark Brush & Scraper Co., 266 Fabyan pl, Newark, N. J.
NEWARK water pots—Central Stamping Co., 172 Fulton, New York
NEWARK POTTERY calcined plaster—Newark Plaster Co., 65 Bridge, Newark, N. J.
NEWAYGO cement mfrs.—Newaygo Portland Cement Co., Grand Rapids, Mich.
NEWBERRY lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
NEW BANNER anvil, vise & drill—Bloomfield Mfg. Co., Bloomfield, Ind.
NEW BOSS garden cultivators—Buffum Tool Co., South Side, Louisiana, Mo.
NEW BRITAIN drill chucks—Union Mfg. Co., New Britain, Conn.
NEW BRITAIN gear cutting machinery, farm tractors, steel factory equipment, saw clamps & vises, screw chucking & polishing machines, turret lathes, bench legs, shop pans, steel shelving, sheet steel boxes, stanchions & scraping tables—New Britain Machine Co., 190 Chestnut, New Britain, Conn.
NEW BROOKE thermometers—C. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
NEW BUCKEYE portable saw mills—Enterprise Co., Columbiana, Ohio
NEWBURGH lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
NEW CENTURY carbon black—L. Martin Co., 81 Fulton, New York
NEW CENTURY corn binders, grain harvesters—Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
NEW CENTURY fruit & vegetable parers—Goodell Co., Antrim, N. H.
NEW CENTURY gas & oil stove ovens—A. Geisel Mfg. Co., 219 S. 2nd, St. Louis, Mo.
NEW CENTURY grain separators—Aultman & Taylor Machinery Co., Mansfield, Ohio
NEW CENTURY lemon squeezers—Tri-Angle Mfg. Co., Freeport, Ill.
NEW CENTURY metallic shingles & roofing tile—Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
NEW CENTURY nut crackers & picks—Tri-angle Mfg. Co., Freeport, Ill.
NEW CENTURY pumps—F. E. Myers & Bro., Ashland, Ohio
NEW CENTURY screw drivers—Braunsdorf-Mueller Co., Elizabeth, N. J.
NEW CENTURY THREE STAR cultivators—Roderick Leam Mfg. Co., Mansfield, Ohio
NEW CHICAGO ice cream freezers—Horizontal Freezer Co., 18 W. Kinzie, Chicago, Ill.
NEWCODE ordinary receptacles—Stanley & Patterson, 23 Murray, New York
NEWCOMB carbureters—Holtzer-Cabot Electric Co., 125 Amory, Boston, Mass.
NEWCOMBE grease cups & plug lubricators—Dielmore Valve Co., Tacoma, Wash.
NEW DANDY shoveling & end gate boards—Kingman Plow Co., Peoria, Ill.
NEW DEPARTURE battery motors—Lionel Mfg. Co., 48 E. 21st, New York
NEW DEPARTURE disc. cultivators—Pattee Plow Co., Monmouth, Ill.

NEW DEPARTURE lawn mowers—Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
NEW DEPARTURE mop sticks & holders—H. E. Hagglund, 410 W. Elm, Chicago, Ill.
NEW DEPARTURE stamp pads—B. C. Volger Mfg. Co., Passaic, N. J.
NEW DEPARTURE steel balls, ball bearings, bells & gongs, car journals, coaster brakes, cyclometers—New Departure Mfg. Co., Bristol, Conn.
NEW DIAMOND molders' flasks—Oscar Barnett Foundry Co., Irvington, N. J.
NEW DIAMOND sink strainers—Roseland Can & Specialty Co., Rockford, Ill.
NEW DOVER egg & cream beaters—Dover Stamping & Mfg. Co., Cambridge, Mass.
NEW DUKE riding listers—Peru Plow & Wheel Co., Peru, Ill.
NEW EASY bolt clippers—H. K. Porter, 6 Ashland, Everett, Mass.
NEW EASY sled cultivators—Ohio Cultivator Co., Bellevue, Ohio
NEW EBBERT farm wagons—Pekin Wagon C. Pekin, Ill.
NEW ECLIPSE lawn mowers—American Lawn Mower Co., Muncie, Ind.
NEW ECLIPSE sulky plows—Madison Plow Co., Madison, Wis.
NEWELLO magic slates—Richmond Bros. Co., 177 Chestnut, Newark, N. J.
NEW EMERALD cook stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
NEW ENGLAND kitchen enameled ware—New England Enameling Co., Middletown, Conn.
NEW ENGLAND lawn mowers—Dille & McGuire Mfg. Co., Richmond, Ind.
NEW ENGLAND lawn mowers—Worcester Lawn Mower Co., Worcester, Mass.
NEW ENGLAND lawn swings—C. W. H. Moulton Co., Somerville, Mass.
NEW ENGLAND rock crushers—New England Road Machinery Co., 15 S. Market, Boston, Mass.
NEW ENTERPRISE stoves—Pittston Stove Co., Pittston, Pa.
NEW ERA babbitt metal, metallic engine packing & phosphoro—New Era Mfg. Co., Kalamazoo, Mich.
NEW ERA check writing machines—New Era Mfg. Co., 450 4th av, New York
NEW ERA clothes washing machines—Glascock Bros. Mfg. Co., Muncie, Ind.
NEW ERA cultivators—Kingman Plow Co., Peoria, Ill.
NEW ERA dough mixing & kneading machinery—American Oven & Machine Co., 111 W. Washington, Chicago, Ill.
NEW ERA grain drills—Dempster Mill Mfg. Co., Beatrice, Neb.
NEW ERA metal hot water bottles—Metal Specialties Co., Attleboro, Mass.
NEW ERA neck yokes—Reno Mfg. Co., Erie, Pa.
NEW ERA pasteurizing machines—Loew Mfg. Co., 9100 Madison av, N. W., Cleveland, Ohio
NEW ERA plow mfrs.—C. Billups' Son & Co., Norfolk, Va.
NEW ERA postage stamp affixing machines—New Era Mfg. Co., 450 4th av, New York
NEW ERA pressure regulators—Locke Regulator Co., Salem, Mass.
NEW ERA printing machinery—Regina Co., 47 W. 34th, New York
NEW ERA shovel plows—Gale Mfg. Co., Albion, Mich.
NEW ERA tank heaters—Butler Mfg. Co., Kansas City, Mo.
NEW ERA waffle irons—Indiana Hollow Ware Co., Jeffersonville, Ind.
NEW ERA wagon loaders—Austin Mfg. Co., 910 S. Michigan av, Chicago, Ill.
NEW ERA water coolers—Buffalo Mfg. Co., Buffalo, N. Y.
NEW EUREKA belt lacing—Manufacturers' Belt Hook Co., 1321 W. Congress, Chicago, Ill.
NEWEST electric illuminated signs—Electro-Ad Co., 49 W. Larned, Detroit, Mich.
NEW-EST electric illuminated signs—Phelps Mfg. Co., 49 W. Larned, Detroit, Mich.
NEW EUREKA molders' flasks—Smith & Caffrey Co., Syracuse, N. Y.
NEW EXCELSIOR horse lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
NEW FINISH furniture polish—Baum Bros. Co., Denver, Colo.
NEW FOOT LIFT gang & sulky plows—J. I. Case Plow Wks., Racine, Wis.
NEW FOSSTON fanning mills—Fosston-Carpenter Co., St. Paul, Minn.
NEW GIANT barn door hangers—Lawrence Bros., Sterling, Ill.



NEW GLOBE rubber horse shoe pads—Revere Rubber Co., Chelsea, Mass.
NEW GREAT WESTERN threshers—Harrison Machine Works, Belleville, Ill.
NEWHALL multiple effects evaporators—Geo. M. Newhall Engineering Co., Commercial Trust bldg., Phila., Pa.
NEW HAVEN brick press machines—Eastern Machinery Co., New Haven, Conn.
NEW HAVEN EDGE TOOL CO. box scrapers—Sargent & Co., New Haven, Conn.
NEW HAVEN novelty bit braces—W. A. Ives Mfg. Co., Wallingford, Conn.
NEW HAVEN sand blast machines—New Haven Sand Blast Co., New Haven, Conn.
NEW HAVEN trolley wheels & trolley wheel bushings—H. B. Ives Co., New Haven, Conn.
NEW HERO fodder cutters—Appleton Mfg. Co., Batavia, Ill.
NEW HIST potato diggers—Hist Potato Machinery Co., Alliance, Ohio
NEW HOLLAND corn & cob mills—New Holland Machine Co., New Holland, Pa.
NEW HOME hot air furnaces—Hood Furnace & Supply Co., Corning, N. Y.
NEWHOUSE animal traps—Oneida Community (Ltd.), Oneida, N. Y.
NEW HUBER steam road rollers, self-feeders & band cutters, traction engines—Huber Mfg. Co., Marion, Ohio
NEW I-D folding seats—Fernald Mfg. Co., North East, Pa.
NEW IDEA bed & furniture casters—Faultless Caster Co., Evansville, Ind.
NEW IDEA garden cultivators, manure spreaders, spring tooth harrows—New Idea Spreader Co., Coldwater, Ohio
NEW IDEA gas ranges—A. B. Stove Co., Battle Creek, Mich.
NEW IDEA hog rings—Decker Mfg. Co., Keokuk, Ia.
NEW IDEA paper folding machines—Cleveland Folding Machine Co., 5200 Euclid av, Cleveland, O.
NEW IDEA soldering flux—Wm. J. Hartwig Co., 205 E. Jefferson, Detroit, Mich.
NEW IDEA wagon jacks—Samuel S. Joy, Rockingham, N. H.
NEW IDEAL floor hinges—Stover Mfg. & Engine Co., Freeport, Ill.
NEW INGERSOLL coal cutting machines—Ingersoll-Rand Co., 11 Broadway, New York
NEW JAP door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
NEW JERSEY metal polish—N. J. Paint Works, Jersey City, N. J.
NEW JUDSON steam engine governors—Vicksburg Governor Co., Vicksburg, Mich.
NEW KINK pot covers—Republic Metalware Co., Buffalo, N. Y.
NEW lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
NEW LAWN sprinklers & hose nozzles—H. F. Neumeyer & Sons, Macungie, Pa.
NEW LIBERTY clothes washing machines—Fosston-Carpenter Co., St. Paul, Minn.
NEW LION harrows—Ohio Rake Co., Dayton, Ohio
NEW LUSTRO furniture polish—Continental Mfg. Co., Indianapolis, Ind.
NEW MAGIC lawn mowers—Dille & McGuire Co., Richmond, Ind.
NEWMAN emery planers—Tanite Co., Stroudsburg, Pa.
NEWMAN foot valves—A. & F. Brown Co., 79 Barclay, New York
NEWMARKET cultivators, spring tooth harrows—South Bend Chilled Plow Co., South Bend, Ind.
NEW MARKET gas burners—American Lava Corp., Chattanooga, Tenn.
NEW MARSEILLES cylinder shellers—Marseilles Wks. of Deere & Co., E. Moline, Ill.
NEW MILLER clothes washing machines—N. C Baughman, York, Pa.
NEW MITE push buttons—Edwards & Co., Exterior av & 140th, New York
NEW MODEL clover cutters—E. C. Stearns & No. 256 Co., 450 Oneida, Syracuse, N. Y.
NEW MODEL lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
NEW MODEL sickel grinders—R. Herschel Mfg. Co., Peoria, Ill.
NEW MODEL straight ladders—Bent Rung Ladder & Mfg. Co., Indiana, Pa.
NEW MODERN feed carriers, stock fountains, farm gates—Glor Bros. & Willis Mfg. Co., Attica, N. Y.
NEW MONARCH automatic pile drivers, hammers—Henry J. McCoy, 65 Dey, New York
NEW MYSTIC lawn mowers—Granite State Mowing Machine Co., Hinsdale, N. H.

NEW 1903 METROPOLITAN garden barrows—McWhinnie, Thos., Poughkeepsie, N. Y.
NEW NO. 8 feed cutters—Thornburg Mfg. Co., Bowling Green, Ohio
NEW OHIO cultivators—Ohio Cultivator Co., No. 256 Belleville, Ohio
NEW OHIO fodder shredders—Silver Mfg. Co., Salem, Ohio
NEW ORLEANS pattern hooks—Sargent & Co., New Haven, Conn.
NEW OWATONNA churns—Owatonna Fanning Mill Co., Owatonna, Minn.
NEW PEERLESS grain separators—Emerson-Brantingham Co., Rockford, Ill.
NEW PEERLESS lawn mowers—American Lawn Mower Co., Muncie, Ind.
NEW PEORIA coal drills—Wantling Favorite Coal Drill Co., Peoria, Ill.
NEW PERFECTION kitchen cabinets, oil cook stoves & ovens—Cleveland Metal Products Co., Platt av, Cleveland, O.
NEW PHOENIX open batteries—American Carbon & Battery Wks. of National Carbon Co., Inc., East St. Louis, Ill.
NEWPORT lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
NEWPORT oils, rosin & turpentine—General Naval Stores Co., 90 West, New York
NEWPORT stop & waste cocks—Hamlin & Emery Brass Co., 49 Island, Boston Mass.
NEW PRIME cultivators—Racine-Sattley Co., Springfield, Ill.
NEW PRIZE stoves—Grinberg Bros., 154 South, New York
NEW PRIZE sweep horse powers—Appleton Mfg. Co., Batavia, Ill.
NEW PROCESS punches & dies—Geo. F. Marchant Co., 1420 S. Rockwell, Chicago, Ill.
NEW PROCESS gas stoves, parlor gas grates, oil stoves & heaters—American Stove Co., 827 Chouteau av, St. Louis, Mo.
NEW PROCESS chilled steel shot & sand blast abrasives — Harrison Supply Co., 209 Washington, Boston 9, Mass.
NEW QUAKER lawn mowers—Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
NEW RACINE threshers—Belle City Mfg. Co., Racine, Wis.
NEW RAPID ice breakers—North Bros. Mfg. Co., Lehigh av & American, Phila., Pa.
NEW RAPID nutmeg graters—Hamblin & Russell Mfg. Co., Worcester, Mass.
NEW RED plumbing specialties—Garrison Brass & Machine Wks., 107 W 13th, New York
NEW REGAL heating stove—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
NEW ROBINSON wire fence machines—Eureka Fence Mfg. Co., Richmond, Ind.
NEW ROGERS scroll saws—Millers Falls Co., 28 Warren, New York
NEW ROVER lawn mowers—Granite State Mowing Machine Co., Hinsdale, N. H.
NEW ROYAL family sewing machines—Free Sewing Machine Co., Rockford, Ill.
NEW ROYAL poultry coops—Defiance Box Co., Defiance, Ohio
NEW ROYAL sewing machines—Illinois Sewing Machine Co., Rockford, Ill.
NEW ROYAL stoves—Grinberg Bros., 154 South, New York
NEW SAMSON automobile jacks—Oliver Mfg. Co., 326 S. Desplaines, Chicago, Ill.
NEW SANITARY hot air registers—Wm. Highton & Sons Co., Nashua, N. H.
NEW SMITH farm wagons—Pekin Wagon Co., Pekin, Ill.
NEW SOUTH farm wagons—Auburn Wagon Co., Martinsburg, W. Va.
NEW SOUTH BEND plows—South Bend Chilled Plow Co., South Bend, Ind.
NEW SPRAGUE can openers—N. R. Streeter & Co., Rochester, N. Y.
NEW STANDARD horse nails—Standard Horse Nail Co., New Brighton, Pa.
NEW STANDARD meat & food choppers — New Standard Hardware Works, Mt. Joy, Pa.
NEW STANDARD ore concentrators—Llewellyn Iron Works, Los Angeles, Cal.
NEW STANDARD scrap metal baling presses—Chicago Baling Press Co., 305 S. La Salle, Chicago, Ill.
NEW STATE concrete mixers—Demorest Mfg. Co., Enid, Okla.
NEW STOUGHTON farm wagons, harrow attachments—Stoughton Wagon Co., Stoughton, Wis.
NEW SUCCESS hydraulic turbines & turbine water wheels—S. Morgan Smith Co., York, Pa.
NEW SUPERIOR fanning mills—J. L. Owens Co., Minneapolis, Minn.
NEW SUPERIOR gas engines, propeller wheels—Lake Shoe Engine Works, Marquette, Mich.
NEWTEN cupola furnaces—Northern Engineering Works, 9 Chene, Detroit, Wis.
NEW TEXAS cultivators—J. & I. Case Plow Co., Racine, Wis.
NEWTON drag road scrapers—Skow Mfg. Co., Newton, Ia.
NEWTON farm wagons—Emerson-Brantingham Co., Rockford, Ill.
NEWTON grain graders—One Minute Mfg. Co., Newton, Ia.
NEWTON steam separators, steam traps—Providence Steam Trap Co., 16 Diamond, Providence, R. I.
NEWTON & McGEE cattle dehorners—Leavitt Mfg. Co., Urbana, Ill.
NEWTONE automobile horns — Automobile Supply Mfg. Co., 80 B'way, Brooklyn, N. Y.
NEWTON'S railway crossing signals—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
NEW TORNADO disc harrows—B. F. Avery & Sons, Louisville, Ky.
NEWTYPE gate valves—Kennedy Valve Mfg. Co., Elmira, N. Y.
NEW UNIVERSAL garden cultivators — Ames Plow Co., Quincy Hall, Boston, Mass.
NEW UNIVERSAL plow coulters—Moline Plow Co., Moline, Ill.
NEW VICTOR shoveling & end gate boards—Kingman Plow Co., Peoria, Ill.
NEW WATSON potato sprayer pumps—Field Pump Co., Elmira, N. Y.
NEW-WAY alcohol engines — New Way Motor Co., Lansing, Mich.
NEW WAY corn planters, sulky plows—Racine-Sattley Co., Springfield, Ill.
NEW WAY CRYSTAL clothing wardrobes — Grand Rapids Show Case Co., Grand Rapids, Mich.
NEW WAY door hangers, girder tracks, barn door rails—F. E. Myers & Bro., 800 Orange, Ashland, Ohio
NEW WAY road culverts & wall ties—Beatrice Steel Tank Mfg. Co., Beatrice, Neb.
NEW WEST carriage top dressing—L. M. West's Sons, Rockford, Ill.
NEW WESTERN shoveling boards—True Mfg. Co., Eaton Rapids, Mich.
NEW WESTERN shoveling & end Gate boards—W. B. Sturges & Sons, Shelbyville, Ill.
NEW WINDSOR cast iron ranges—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
NEW WING aluminum mailer—Chauncey Wing's Sons, Greenfield, Mass.
NEW WOODBURY ore concentrators—Geo. E. Woodbury, 238 Townsend, San Francisco, Cal.
NEW WRIGHT gas sad irons—Wright Gas Iron & Novelty Co., Phila., Pa.
NEW WRINKLE incandescent lamp sockets—Bryant Electric Co., Bridgeport, Conn.
NEW YANKEE grinders—Willmarth & Morman Co., 1151 Monroe av, N. W., Grand Rapids, Mich.
NEW YORK automatic bottle corking machines—U. S. Bottlers' Machy. Co., 2511 Park, Chicago, Ill.
NEW YORK boiler couplings—Trenton Brass & Machine Co., Trenton, N. J.
NEW YORK feed cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
NEW YORK grass hooks—Knickerbocker Mfg. Co., Belleville, N. J.
NEW YORK ground connection clamps — Yonkers Specialty Co., Yonkers, N. Y.
NEW YORK roll paper cutters—Hilts Wrench & Mfg. Co., Richford, N. Y.
NEW YORK SAFETY dumb waiters—Storm Mfg. Co., 50 Vesey, Newark, N. J.
NEW YORK slat irons—C. Cowles & Co., New Haven, Conn.
NEW YORK step ladders—W. W. Babcock Co., Bath, N. Y.
NEW YORK CHAMPION grain drills — Champion Drill Co., Avon, N. Y.
NEW YORK CHAMPION sulky hay rakes—Bateman Mfg. Co., Grenloch, N. J.
NEY wire stretchers—Ney Mfg. Co., Canton, Ohio
NI copper heat resistance wire for Railway Industion motor winding—General Electric Co., Schenectady, N. Y.
NIAGARA automatic fire sprinklers — Automatic Sprinkler Co. of America, 127 William, New York
NIAGARA belting & hose—Boston Belting Corp., 84 Linden Park, Boston, Mass.
NIAGARA blast furnaces—Tonawanda Iron & Steel Co., North Tonawanda, New York
NIAGARA blind hinges & self-oiling pulleys—Wrightsville Hardware Co., Wrightsville, Pa.
NIAGARA boiler injectors—Eynon-Evans Mfg. Co., N. 15th & Clearfield, Phila., Pa.
NIAGARA boys' axes — American Axe & Tool Co., Glassport, Pa.

NIAGARA clothes lines — Estes Mills, Fall River, Mass.
NIAGARA cooling coils—American District Steam Co., No. Tonawanda, N. Y.
NIAGARA currycombs, swivels & wall ties & bicycle wrenches—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
NIAGARA fire hydrants—Macungie Brass & Mfg. Co., Macungie, Pa.
NIAGARA gas engines—Niagara Motose Corp., Dunkirk, N. Y.
NIAGARA grinders—Carborundum Co., Niagara Falls, N. Y.
NIAGARA hot air furnaces—Forest City Foundry & Mfg. Co., 2202 Elm av, Cleveland, Ohio
NIAGARA kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
NIAGARA ladders—Bacon & Co., Gasport, N. Y.
NIAGARA lawn sprinklers—Novelty Mfg. Co., Waterbury, Conn.
NIAGARA lubricating greases—Buffalo Refining Co., 77 Main, Buffalo, N. Y.
NIAGARA magnetic separators, mechanical dustt collectors, bran dusters, flour mill aspirators, wheat scourers—Richmond Mfg. Co., Lockport, N. Y.
NIAGARA meters—Buffalo Meter Co., 2921 Main, Buffalo, N. Y.
NIAGARA oil & grease cup lubricators—Sherwood Mfg. Co., 1710 Elmwood av, Buffalo, N. Y.
NIAGARA oil soap graphite lubricants—Swan & Finch Co., 165 Broadway, New York
NIAGARA parting compounds—Keystone Foundry Supply Co., Buffalo, N. Y.
NIAGARA reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg, New York
NIAGARA refrigerators—Niagara Refrigerator Works, 20 Superior, Buffalo, N. Y.
NIAGARA saltpetre—Battelle & Renwick, 80 Maiden la, New York
NIAGARA shaking grates—Dobbie Foundry & Machine Co., Niagara Falls, N. Y.
NIAGARA sheet metal workers' machines & tools—Niagara Machine & Tool Works, 10 E. Worcester, Worcester, Mass.
NIAGARA vacuum pumps—Norman Hubbard's Sons, 265 Water, Brooklyn, N. Y.
NIAGARA wall plaster stucco—Niagara Gypsum Co., Buffalo, N. Y.
NIAGARA water motors—Winfield H. Smith, Buffalo, N. Y.
NIAGARA waterproof belting mfrs.—Shultz Belting Co., Fourth & Barton, St. Louis, Mo.
NIAGARA CANOIDAL steel plate fans, Buffalo Forge Co., Buffalo, N. Y.
NIAGARA VESTPOKITRENZHIZ bicycle wrenches—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
NIAGRITE insulating tape—H. W. Johns-Manville Co., Madison av & 41st, New York
NIAGRATITE sheet packing—Niagara Falls (Ont.) Gasket & Packing Co., Church & Fulton, New York
NIAGRITE ASBESTOS sleeving—H. W. Johns-Manville Co., Madison av & 41st, New York
NIBROC paper kraft, paper bond—Brown Company, Portland, Me.
NICE varnish & wood fillers—Eugene E. Nice, 272 S. 2nd, Phila., Pa.
NICHOLLS floor scrapers, marking gauges, takedown squares—Nicholls Mfg. Co., Ottumwa, Ia.
NICHOLS BROS. ice breakers, butchers' cleavers, cutlery & machinery, kitchen saws, slip & tree scrapers, etc.—Nichols Bros., Greenfield, Mass.
NICHOLS tap wrenches—J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
NICHOLS-LINTERN sand boxes—Holland Trolley Supply Co., 1623 E. 43rd, Cleveland, Ohio
NICHOLSON arcing rings—Locke Insulator Mfg. Co., Victor, N. Y.
NICHOLSON expansion steam trap—Nicholson W. H. & Co., Wilkes-Barre, Pa.
NICHOLSON files & rasps—Nicholson File Co., Providence, R. I.
NICHOLSON speed indicating meters—Nicholson Ship Log Co., 409 Superior, N. W., Cleveland, O.
NICHOLSON tube expanders—W. H. Nicholson & Co., Wilkes-Barre, Pa.
NICHOLS & SHEPHARD straw burning traction engines & self feeders—Nichols & Shepard Co., Battle Creek, Mich.
NICHROME resistance wire, dipping baskets & wire cloth annealing & case hardening boxes—Driver-Harris Co., Harrison, N. J.
NICHROME II resistance wire—Driver-Harris Co., Harrison, N. J.
NICKEL plated alcohol sad irons—G. M. Thurnauer Co., 83 Worth, New York



NICKEL MINT peanut roasters—Bartholomew Co., Peoria, Ill.
NICKERSON porch columns—Nickerson Mfg. Co., Knoxville, Tenn.
NICK-L-WORKS-CO. locomotive—McKinnon Iron Works Co., Ashtabula, Ohio
NICKOLAS lacquer—G. J. Nikolas & Co., 1227-W. Van Buren, Chicago, Ill.
NICOLENE metal novelties & specialties, inkstands & wells—National Sheet Metal Works, Peru, Ill.
NICOL'S fish tongs, twine boxes—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
NIELSON fifth wheels—Donigan & Nielson, 743 3rd, Brooklyn, N. Y.
NIFTY can openers—Taylor Mfg. Co., Hartford, Conn.
NIGHT COMMANDER acetylene gas machines—U. S. Standard Co., Voorheesville, N. Y.
NIGRUM bearings, bushings & washers—Bound Brook Oil-less Bearing Co., Bound Brook, N. J.
NILO water meters—Union Water Meter Co., Worcester, Mass.
NILSON tractors—Nilson Tractor Co., 1902 Riverside, Minneapolis, Minn.
900 SERIES steam heaters—Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
NINETEEN HUNDRED hand washing machines—Nineteen Hundred Washer Co., Binghamton, N. Y.
9386 type socket—General Electric Co., Schenectady, N. Y.
1900 dry batteries—Nungesser Carbon & Battery Works of Natl. Carbon Co., 1170 E. 38th, Cleveland, Ohio
1901 plumbers' rubber elbows—H. O. Canfield Co., Bridgeport, Conn.
1913 concrete mixers—Lansing Co., Lansing, Mich.
98 TURNTABLE fruit & vegetable parers—Goodell Co., Antrim, N. H.
NINETY-NINE drain pipe cleaners — Chemical Products Co., 116 Christopher, New York
NINETY-SIX brake beams—Chicago Railway Equipment Co., 1928 W. 46th, Chicago, Ill.
NIOTUS rubber tubing—Quaker City Rubber Co., 629 Market, Phila., Pa.
NIP-IT strawberry hullers—Stephens, Windsor & Co., Waltham, Mass.
NIPPER wire rope clips—Wilcox, Crittendon & Co., Inc., Middletown, Conn.
NITELITE electric lamp flashlights—Providence Electric Mfg. Co., 23 Broad, Providence, R. I.
NITE-LITE electric light alarm clocks—F. W. Jansen Clock Co., 217 W. Randolph, Chicago, Ill.
NITRO FERTILE fertilizer—Fertile Chemical Co., E. 4th & Prospect, Cleveland, O.
NITROGLAS illuminating glassware, etc.—Jefferson Glass Co., 5 So. Wabash av, Chicago, Ill.
NITROLITES electric light fixtures—Harter Mfg. Co., 524 S. Clinton, Chicago, Ill.
NIVISION scythe snaths—Seymour Mfg. Co., Seymour, Ind.
NOAH'S machine paste—Boston Paste Co., 81 Traverse, Boston, Mass.
NOALL paint & varnish remover—Enterprise Paint Mfg. Co., 854 W. Van Buren, Chicago, Ill.
NOARK electric fuses, fuse boxes & electric meter protective devices—Johns Pratt Co., Hartford, Conn.
NOARK enclosed fuses, fuse boxes—H. W. Johns-Manville Co., Madison av & 41st, New York
NOBBY feed cutters—A. Buch's Sons Co., Elizabethtown, Pa.
NOB-E. NOB glide sliding furniture shoes—Victor Caster Co., Bridgeport, Conn.
NOBIND marine stuffing boxes—Upson-Walton Co. of N. Y., 291 B'way, New York
NOBLE self feeding drills—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
NOBLE'S auger bits—C. E. Jennings & Co., 71 Murray, New York
NOBLE'S magnetic separators—Capitol Brass Works, 596 Franklin, Detroit, Mich.
NOBOLT curb service boxes & service box covers—Patterson Mfg. Co., Keystone bldg., Pittsburgh, Pa.
NO BOY bottle blowing machy—Lynch Glass Machy Co., Anderson, Ind.
NOBRAC paint & varnish mfrs., paints for coating—Patterson-Sargent Co., 1325 E. 38th, Cleveland, Ohio
NOBURN metal valve wheels—C. H. Yonts & Co., Meadville, Pa.
NOCER garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
NO-CO-DO enameled metal tile—Northrop Coburn & Dodge Co., 120 Liberty, New York
NO-CO-RO metal road culverts—Canton Culvert & Silo Co., Canton, O.

NOCOST pneumatic water supply systems—Illinois Pump & Brass Co., Peoria, Ill.
NO-DRIP oil cans—Whitaker-Glessner Co., Wheeling Corrugating Dept., Wheeling, W. Va.
NO-DUST drying machinery, polishing machines—No Dust Drying Machine Co., 157 Dorrance, Providence, R. I.
NODUSTO sweeping compounds—Masury-Young Co., 196 Milk, Boston, Mass.
NO-DUST-O sweeping compounds—National Dust Dwn Co., 102 N. 1st, Brooklyn, N. Y.
NO-EQUAL cold storage doors—Jamison Cold Storage Door Co., Hagerstown, Md.
NOERA oil cans, oilers, collapsible drinking cups, lawn sprinklers, mowing machines—Noera Mfg. Co., Waterbury, Conn.
NO GASKET meter couplings—H. W. Clark Co., Mattoon, Ill.
NOGLARE gauge glasses—Corning Glass Works, Corning, N. Y.
NOHEET babbitt metal & metallic packing—Lubricating Metal Co., 2 Rector, New York
NOISELESS bath water heaters—Eynon-Evans Mfg. Co., N. 15th & Clearfield, Phila., Pa.
NO-KEY padlock locks—American Keyless Lock Co., 619 W. Jackson, Chicago, Ill.
NOKORODE paste & salts soldering—M. W. Dunton Co., 150 Niagara, Providence, R. I.
NOKORODE solderkit soldering sets—M. W. Dunton Co., 150 Niagara, Providence, R. I.
NOKOROS unions—Illinois Malleable Iron Co., 1801 Diversey blvd, Chicago, Ill.
NOLA buckets, cornices, roofing, tanks, ventilators, etc.—New Orleans Roofing & Metal Co., Cortez & Orleans, New Orleans, La.
NOLAN blow-off valves—Schiller, Nolan & Co., Darien & Wood, Phila., Pa.
NOLAN blow-off valves—Schiller, Nolan & Co., 820 Cherry, Phila., Pa.
NO-MAR chemical dust mops—No-Mar Mfg. Co., Cleveland, Ohio
NOMAR wood stains—John W. Masury & Son, 50 Jay, Brooklyn, N. Y.
NOMAS open & closed circuit batteries—Electric Goods Mfg. Co., Canton, Mass.
NO MORE DUST sweeping compounds—Climax-Western Oil Co., 2824 10th av, Minneapolis, Minn.
NOMOREDUST sweeping compounds—Cedar-Sweep Co., Los Angeles, Cal.
NO-NAME flour sifters—Peoria Can Co., Peoria, Ill.
NON-BURN asbestos brake lining—H. W. Johns-Manville Co., Madison av & 41st, New York
NON-CLOG spray nozzles—E. C. Brown Co., Rochester, N. Y.
NON-COLLAPSIBLE copper floats—Michigan Metal Spinning Mfg. Co., 528 E Woodbridge, Detroit, Mich.
NONE-HOLD back screen door hinges—Grey Iron Casting Co., Mt. Joy, Pa.
NONEQUAL furniture polish—Keep Bros., 225 Sansom, Phila., Pa.
NONE-SUCH belting & leather aprons—Pechlin Belting Co., 700 N. Front, Phila., Pa.
NONE-SUCH brooders—Indianapolis Corrugating Co., Indianapolis, Ind.
NONE SUCH can openers—W. G. Browne Mfg. Co., Kingston, N. Y.
NONE-SUCH coffee or spice mills—Mirroscope Co., 168th & Waterloo, Cleveland, O.
NONESUCH feed cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
NONESUCH plating machines, plating barrels—A. P. Munning Co., Matawan, N. J.
NONEX gauge glasses, glass battery jars, glass chimneys, lantern globes—Corning Glass Works, Corning, N. Y.
NON-FLAKE typewriter carbon paper—Pen Carbon Manifold Co., New Brunswick, N. J.
NON-FLUID lubricating oils & greases—N. Y. & N. J. Lubricant Co., 165 Broadway, New York
NON-GRAN bronze metal bearings, bushings, castings—American Bronze Corp., Berwyn, Pa.
NONPAREIL automobile trailer trucks—Nonpareil Mfg. Co., Cochranton, Pa.
NONPAREIL babbitt metal—Theo. Hiertz Metal Co., Alaska & Tesson, St. Louis, Mo.
NONPAREIL bone mills, corn & cob mills—L. J. Miller, 1223 Harrison av., Cincinnati, O.
NONPAREIL cork pipe & boiler coverings, cork tile, corkboard insulation—Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
NONPARIEL cork tile—David E. Kennedy (Inc.), 62 W. 14th, New York
NONPAREIL electric bells—Manhattan Electrical Supply Co., 17 Park pl, New York
NONPAREIL generator valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
NONPAREIL packing, belt dressing—Jno. M. Watt's Sons, 54 N. 2nd, Phila., Pa.
NONPAREIL stamp paste & isinglass—Robert Keller, 334 3rd, Phila., Pa.
NONPAREIL steam heaters—Enoch Rutzler Co., 404 E. 49th, New York
NONPAREIL tongue blades—E. B. Estes & Sons, 364 5th, av, New York
NON-RUST wrought iron turnbuckles—Harbor Mach. Co., 183 High, Boston, Mass.
NON-SHINE chair pads—Non-Shine Pad Co., 105 N. Marshall, Phila., Pa.
NON SKID listers—J. I. Case Plow Wks., Racine, Wis
NON-SKID stone stair treads—Euclid Stone & Brick Co., Cleveland, Ohio
NON-SMUT carbon paper—Imperial Mfg. Co., 297 Washington, Newark, N. J.
NON-SPLIT closet seats—Wm. S. Emery, 118 E. 28th, New York.
NON-THEFT match box holders—Res Mfg. Co., 2907 Meinecke av, Milwaukee, Wis.
NOOGA cornices—Chattanooga Roofing & Foundry, Chattanooga, Tenn.
NOPACK compression cocks—Nopack Brass Mfg. Co., Dubois, Pa.
NO PIECE curtain stretchers—Chicago Curtain Stretcher Co., 3725 Wall, Chicago, Ill.
NOPPEL plumbing specialties—Garrison Brass & Mach. Wks., 107 W. 13th, New York
NORBITT porcelain rosettes & receptacles—Crouse-Hinds Co., Syracuse, N. Y.
NORCROSS cultivators, cultivator hoes, garden weeders—C. S. Norcross & Sons, Bushnell, Ill.
NORCROSS jolt ramming machines—Arcade Mfg. Co., Freeport, Ill.
NORDYKE electric cable hangers—Standard Underground Cable Co., Westinghouse bldg., Pittsburgh, Pa.
NOREACOL coal tar creosote—Northeastern Co., 80 Beverly, Boston, Mass.
NORFOLK paper towels—Hollingsworth & Vose Co., 141 Milk, Boston, Mass.
NO-RIM-CUT pneumatic tires—Goodyear Tire & Rubber Co., Akron, Ohio
NORKA radiators—Williamsport Radiator Co., Williamsport, Pa.
NORKA rubber hose, rubber packing—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
NORMA steel balls & ball bearings—Norma Co. of America, Anable av, Long Island City, N. Y.
NORMAN stoves & ranges—Galusha Stove Co., Rochester, N. Y.
NORMAND water tube boilers—Bath Iron Works, Bath, Me.
NOROL nail sets—Syracuse Twist Drill Co., Borden av, Syracuse, N. Y.
NORRIS pulley mortising machines—Frank B. Sloan & Co., 209 E. Fayette av, Baltimore, Md.
NORTH blind awning fixtures—Wire Goods Co., Worcester, Mass.
NORTH carriage bolts—Cleveland Bolt & Mfg. Co., Cleveland, Ohio
NORTH AMERICAN liquid & paste polish—No. American Chemical & Engineering Co., 23 Old Slip, New York
NORTH BIRMINGHAM pig iron—Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.
NORTHERN cranes & electric hoists—Northern Engineering Works, 9 Chene, Detroit, Mich.
NORTHERN fire extinguishers & motor fire engines—Northern Fire Apparatus Co., Minneapolis, Minn.
NORTHERN roll toilet paper—Northern Paper Mills, Green Bay, Wis.
NORTHERN water gauges—Northern Tool Co., Utica, N. Y.
NORTHERN QUEEN metal washboards—National Washboard Co., 72 W. Adams, Chicago, Ill.
NORTHFIELD concrete mixers, mortar mixers—Northfield Iron Co., Northfield, Minn.
NORTH POLE ice cream freezers—Alaska Freezer Co., Winchendon, Mass.
NORTH POLE lubricating oils & greases—Bell Oil Co., 600 S. Vandeventer, St. Louis, Mo.
NORTHROP looms, spooler guides—Draper Corp., Hopedale, Mass.
NORTHRUP loom pickers—E. H. Jacobs Mfg. Co., Danielson, Conn.
NORTHRUP PYROVOLTER pyrometers—Pyrolectric Instrument Co., Trenton, N. J.
NORTH SHORE hammocks—Wheeler & Wilson, 15 Merchants row, Boston, Mass.
NORTH STAR ice cream freezers—Alaska Freezer Co., Winchendon, Mass.
NORTH STAR portable grain elevators—Warren Elevator Mfg. Co., Warner, Ill.
NORTH STAR shade cloth—Hauser Shade Cloth Co., Chicago Heights, Ill.

NORTH WALES hack saw machines, knife & scissors grinders, door stops—North Wales Machine Co., North Wales, Pa.
NORTHWAY power mills—Strong-Scott Mfg. Co., Minneapolis, Minn.
NORTHWESTERN cement mfrs. — Northwestern States Portland Cement Co.
NORTHWESTERN concrete mixers—Lansing Co., Lansing, Mich.
NORTHWESTERN farm wagons—Northwestern Mfg. Co., Fort Atkinson, Wis.
NORTHWESTERN flax-seed cleaners—J. L. Owens Co., Minneapolis, Minn.
NORTHWESTERN gas engines, cement brick machines—Northwestern Steel & Iron Works, Eau Claire, Wis.
NORTHWESTERN horse nails—Union Horse Nail Co., 1524 W. 22nd, Chicago, Ill.
NORTHWESTERN seamless hog troughs—Northwestern Stamping Co., Burlington, Ia.
NORTON blast furnaces—Norton Iron Works, Ashland, Ky.
NORTON elevator door openers—Elevator Supplies Co., Hoboken, N. J.
NORTON tuyere irons—Illinois Iron & Bolt Co., Carpentersville, Ill.
NORTON valve grinding compounds—Norton Co., Worcester, Mass.
NO-RUST stove scrapers—American Mfg. Co., Chattanooga, Tenn.
NORUSTOCTA unions—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
NORWALK air & gas compressors—Norwalk Iron Works Co., S. Norwalk, Conn.
NORWALK rubber tires—Norwalk Tire & Rubber Co., Norwalk, Conn.
NORWALL air valves—American Radiator Co., 820 S. Michigan av, Chicago, Ill.
NORWAY blast furnaces—Colonial Iron Co., 149 B'way, New York
NORWEGIAN animal pokes—Osmundson Spade Mfg. Co., Perry, Ia.
NORWESCO furniture & automobile polish, shellac, varnish, soldering salts, paste, etc.—Northwestern Chemical Co., Marietta, Ohio
NORWICH steam heaters—John T. Young Boiler Co., Norwich, Conn.
NORWOOD belting mfrs., rubber hose, rubber packing—Cincinnati Rubber Mfg. Co., Cincinnati, O.
NORWOOD wire fence & gates—H. L. Brown Fence & Mfg. Co., Oakley, Cincinnati, Ohio
NO-SEAM copper range boilers—J. L. Mott Iron Works, Trenton, N. J.
NO-SET-O lubricating oils & greases—Norman C. Hayner Co., Rochester, N. Y.
NO SLAM screen door checks—Sargent & Co., New Haven, Conn.
NO-SOL copper floats—Ayling & Reichert Co., Toledo, Ohio
NO-SPARK carbon brushes—Galebaugh-Block Self-Lubricating Carbon Co., 1503 Columbia av, Phila., Pa.
NO-SPILL gasoline funnels—Hoaglin Mfg. Co., Waupaca, Wis.
NO-SPLASH water filters—Jones Mfg. Co., 243 Franklin, Boston, Mass.
NO TAR roofing cements—Heppes-Nelson Roofing Co., 4500 Fillmore, Chicago, Ill.
NOTCH MUSHROOM ventilators—Knowles Mushroom Ventilator Co., 9 Church, New York
NO TIP walking & riding cultivators—Kingman Plow Co., Peoria, Ill.
NO-THUMP tumbler washers—L. L. Rowe, 74 Portland, Boston, Mass.
NOTTS EXTRA leather belting—W. S. Nott Co., 2d av, N. & 3d, Minneapolis, Minn.
NOVALUX lighting fixtures—General Electric Co., Schenectady, N. Y.
NOVELCO automobile horns—Novelty Mfg. Co., Waterbury, Conn.
NOVELTY disc sharpeners, stock fountains—Walker Mfg. Co., Council Bluffs, Ia.
NOVELTY hollow augers—W. A. Ives Mfg. Co., Wallingford, Conn.
NOVELTY hot water heaters—Model Heating & Engineering Co., Phila., Pa.
NOVELTY paper fasteners—Phila. Novelty Mfg. Co., 13th, cor Noble, Phila., Pa.
NOVELTY porch swings—Modern Mfg. Co., Hagerstown, Md.
NOVELTY pumps—Hess, Snyder Co., Massillon, Ohio
NOVELTY spray pumps—Holl Mfg. Co., 45 N. Division, Buffalo, N. Y.
NOVELTY sulky hay rakes—Geo. S. Comstock & Son, Mechanicsburg, Pa.
NOVIO flushing valves—Jenkins Mfg. Co., Bloomfield, N. J.



NOVIOL lens blanks—Corning Glass Works, Corning, N. Y.
NOVITAS talking machines—Novitas Sales Co., Waltham, Mass.
NOVIWELD goggles & eye protectors—F. A. Hardy & Co., 10 S. Wabash av, Chicago, Ill.
NOVO gas engines—Novo Engine Co., Lansing, Mich.
NOVOLTOY toys—Smith Novotoy Electric, Inc., Charlotte, N. C.
NOVO SUPERIOR high speed steel & drills—H. Boker & Co., 101 Duane, New York
NOVUS steam heaters & hot water radiators—National Radiator Co., Johnstown, Pa., & Trenton, N. J.
NOWARPS meter discs—Fred W. Hanks, 10624 St. Clair av, Cleveland, O.
NO WASTE roving cans—Standard Fibre Co., Miller, Somerville, Mass.
NOWATT transformers—Sangamo Electric Co., Springfield, Ill.
NOWIK oil heater stoves—Turner Brass Works, Sycamore, Ill.
NO WOBBLE spout strainers—Hamblin & Russell Mfg. Co., Worcester, Mass.
NOX rat traps—Abingdon Trap Co., Abingdon, Ill.
NOX-A-BUG insecticides—Peerless Stock Powder Co., Falls City, Nebr.
NO XAL metal & furniture polish—No Xal Polish Mfg. Co., 1238 Belmont av, Philadelphia, Pa.
NOX-ALL advertising novelties & specialties, grass catchers—Zittolsen Mfg. Co., Park & Dolman, St. Louis, Mo.
NOXALL annunciators—Electric Goods Mfg. Co., Canton, Mass.
NOXALL cleanouts—Crampton-Farley Brass Co., Kansas City, Mo.
NOXALL cotton duck tents, tarpaulins, wagon covers, etc.—Textile Products Mfg. Co., Park av & Dolman, St. Louis, Mo.
NOXALL cultivators—Racine-Sattley Co., Springfield, Ill.
NOXALL denatured alcohol stoves—Quincy Foundry & Novelty Co., Quincy, Ill.
NOXALL hay presses—Collins Plow Co., Quincy, Ill.
NOXALL horse collars—J. B. Schott Saddlery & Mfg. Co., Quincy, Ill.
NOXALL neck yokes, wagon spokes, singletrees—Lack Singletree Co., Paducah, Ky.
NOXALL packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
NOXALL stove pipe & elbow—A. Geisel Mfg. Co., 219 S. 2nd, St. Louis, Mo.
NOXALL water filters—American Filter Co., 665 Buffum, Milwaukee, Wis.
NOX-EM-ALL sheet packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
NOYES bolt heading machines—F. B. Noyes Co., Greenfield, Mass.
NOYES grapple forks—U. S. Wine Engine & Pump Co., Batavia, Ill.
NU-AIR ventilators—Milwaukee Corrugating Co., Milwaukee, Wis.
NUBIAC arc lamp globes—Holophane Glass Works of Gen. Elec. Co., Newark, Ohio
NUBIAN sheet packing & gaskets—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
NUBRITAIN trace carriers—North & Judd Mfg. Co., New Britain, Conn.
NUE dry batteries—Union Battery Co., Belleville, N. J.
NUERNBERGER-RETTIG type casting machines—Universal Type Making Machine Co., 732 Federal, Chicago, Ill.
NUGENT oiling devices—Wm. W. Nugent & Co., 146 W. Superior, Chicago, Ill.
NUGENT safety shaft oilers—Strong, Carlisle & Hammond Co., 346 Frankfort av, N. W., Cleveland, O.
NUGET babbitt metal—Cleveland Alloys Co., Elm & Superior, Cleveland, Ohio
NUGLOSS body polish—R. M. Hollingshead Co.,
NULITE gasoline lighting systems & vapor gas lamps National Stamping & Electric Wks., 424 S. Clinton, Chicago, Ill.
NO. 8 lawn swings—Goshen Churn & Ladder Co., Goshen, Ind.
NO. 4 corn planters—Parlin & Orendorff Co., Canton, Ill.
NO.-4-D-D medical batteries—Bunnell, J. H. & Co., 32 Park pl, New York
NO. 4 LOCK & SHIELD air valves—James P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
NO. 41 walking listers—Kingman Pow Co., Peoria, Ill.
NUMBER NINE oil tanks—A. C. Kraft, 323 W. Lake, Chicago, Ill.
NUMBER ONE belt dressing—Hudson Belting Co., 3 Eaton pl, Worcester, Mass.
NO. 1, A.B.C.D.&E. screw plates—Morse Twist Drill & Machine Co., New Bedford, Mass.

NO. 118 UNIVERSAL side cutting pliers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
NO. 183 clothes pins—Wire Hardware Co., 6126 S. La Salle, Chicago, Ill.
NO. 193 alloy, resistance wire—Driver-Harris, Co. Harrison, N. J.
NO. 6 alfalfa cutters—Wilder-Strong Implement Co., Monroe, Mich.
NO. 6 corn planters—Parlin & Orendorff Co., Canton, Ill.
NO. 6 medical batteries—J. H. Bunnell & Co., 32 Park pl, New York
NO. 6 DUPLEX air valves—Jas. P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
NO. 124 MINERALIZED LARD OIL cutting & drilling compounds—American Oil Corp., Jackson, Mich.
NUMBER TEN gasoline tanks—A. C. Kraft, 323 W. Lake, Chicago, Ill.
NUMBER TEN horse back bands—Couch Bros. Mfg. Co., Atlanta, Ga.
NO. 3 REVIVER floor finish—Butcher Polish Co., 356 Atlantic av, Boston, Mass.
NO. 2 calking cotton—Estes Mills, Fall River, Mass.
NO. 2 ELASTIC packing—Goetze Gasket & Packing Co., New Brunswick, N. J.
NO. 2 SUPERIOR illuminating overhead washers—Vehicle Specialty Co., Hartford, Conn.
NU PLAN prismatic glass—American Bar Lock Co., 1724 N. 9th, Phila., Pa.
NUSTYLE sheet steel ceilings—Delphos Mfg. Co., Delphos, Ohio
NUTMEG bilge pumps—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
NUTMEG snap & push switches—Hart & Hegeman Mfg. Co., Hartford, Conn.
NUTTER & BARNES cutting off machines, saw grinders—Greenfield Tap & Die Corp., Greenfield, Mass.
NUWAY extension clothing carriers—Knape & Vogt Mfg. Co., Grand Rapids, Mich.
NUWAY garden barrows—Ross Bros. Co., 90 Front, Worcester, Mass.
NU WAY steel bins & tanks—Beatrice Steel Tank Mfg. Co., Beatrice, Nebr.
NYE pipe threading dies, pipe vises, solid die stocks, wiping cloths & pipe vises—Nye Tool & Machine Works, 108 N. Jefferson, Chicago, Ill.
NYMPH brass engine lubricators—Wm. Powell Co., Cincinnati, Ohio
NYMPH garden hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
NYOIL typewriter oils—Wm. F. Nye, New Bedford, Mass.
NYOLL lawn mower oils—Wm. F. Nye, New Bedford, Mass.
NYTANDAY office door letters—Nytanday Letter & Design Co., 100 William, New York

O. pipe wrenches—Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
O. A. K. tool holders—O. K. Tool Holder Co., Shelton, Conn.
O.-B. rail bonds, porcelain insulators, valves, wire splicers, pressure regulators, water gauges, gauge cocks & union elbows—Ohio Brass Co., Mansfield, Ohio
O. C. K. high pressure valve discs & semi-metallic rod packing—O. C. Keckley Co., 318 W. Washington, Chicago, Ill.
O. C. LITTLE commutator compound, pulley covering—Onward Mfg. Co., Menasha, Wis.
O. D. back water & sewer gas valves—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
O. H. FIN neck bolts—National Screw & Tack Co., Stanton av, S. E., & C. & P. Ry., Cleveland, O.
O.-H. one-piece stove pipes—E. M. Letts, Waverly, N. Y.
O. I. C. street flushing machines—O'Neil T. L. Implement Co., Marseilles, Ill.
O. I. C. valve discs—Ohio Injector Co., Wadsworth, Ohio
O. I. CO. valves—Ohio Injector Co., Wadsworth, Ohio
O. I. M. rubber packing—Home Rubber Co., Trenton, N. J.
O. J. C. clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
O. K. alternating boiler chemicals & boiler compound—Chas. Nuhring & Bros., 1212 Walnut, Cincinnati, O.
O. K. animal traps, gopher traps, rat traps—Abingdon Trap Co., Abingdon, Ill.
O. K. belt lacing—Hudson Belt Fastener Co., 149 Church, New York
O. K. bolt & rivet clippers—H. K. Porter, 6 Ashland, Everett, Mass.
O. K. card tables—E. T. Burrowes Co., Portland, Me.
O. K. cement—Oklahoma Portland Cement Co., Ada, Okla.
O. K. cement plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
O. K. churns—Standard Churn Co., Wapakoneta, Ohio.
O. K. clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
O. K. clutches combined friction & positive—O. K. Clutch & Machinery Co., Columbia, Pa.
O. K. cotton mops—Estes Mills, Fall River, Mass.
O. K. dish drainers, fruit & vegetable parers—Hamblin & Russell Mfg. Co., Worcester, Mass.
O. K. dies, adjustable, adjustable expanding, automobile, bolt threading, machine or solid bolt screw cutting—Greenfield Tap & Die Corp., Greenfield, Mass.
O. K. door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
O. K. door hangers & unloaders—F. E. Myers & Bro., Ashland, Ohio
O. K. expansion bolts—Isaac Church, East Norwalk, Conn.
O. K. feed cutters—Geo. S. Comstock & Son, Mechanicsburg, Pa.
O. K. floor & ceiling plates—T. B. Cryer Co., 249 High, Newark, N. J.
O. K. friction clutches, friction clutch pulleys—O. K. Clutch & Machinery Co., Columbia, Pa.
O. K. gasoline engines—Lennox Machine Co., Marshalltown, Ia.
O-K guy anchors—St. Louis Malleable Casting Co., 7701 N. Conduit av, St. Louis, Mo.
O. K. harrow carts & shoveling & end gate boards—Peoria Drill & Seeder Co., Peoria, Ill.
O. K. harrows—Wm. Fetzer Co., Springfield, Ill.
O. K. hay fork pulleys—Hunt, Helm, Ferris & Co., Harvard, Ill.
O. K. hoists, friction drum, single & double—O. K. Clutch & Machinery Co., Columbia, Pa.
O. K. hop furnaces—Munnsville Plow Co., Munnsville, N. Y.
O. K. hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
O. K. hot air registers—Wm. Highton & Sons Co., Nashua, N. H.
O. K. ice creepers—Norlund Mfg. Co., Williamsport, Pa.
O. K. incandescent gasoline & portable table lamps—Coleman Lamp Co., 120 S. Los Angeles, Los Angeles, Cal.
O. K. insulating compounds & spark plugs—Pettingell, Andrews Co., 166 Pearl, Boston, Mass.
O. K. lamp chimneys—Gill Bros. Co., Steubenville, Ohio
O. K. lathe tools, boring tools, thread cutting tools, tool posts—O. K. Tool Holder Co., Shelton, Conn.
O. K. letter openers & rubber erasers, paper fasteners—O. K. Mfg. Co., Syracuse, N. Y.
O. K. nail sets—West Haven Mfg. Co., West Haven, Conn.
O. K. pipe couplings—Lawrenceville Bronze Co., Bessemer bldg, Pittsburgh, Pa.
O. K. peat moss—Atkins & Durbrow, 157 Water, New York
O. K. pipe hooks—Wm. Hammann, 1057 5th, Milwaukee, Wis.
O. K. poultry fountains—Orkes Mfg. Co., Tipton, Ind
O. K. roofing paints—Richmond Bros., 616 Main, Cincinnati, Ohio
O. K. shoe lasts & stands—Roanoke Iron & Bridge Wks, Inc., Roanoke, Va.
O-K sleet cutters—Electric Supplies Co., 17th & Cambria, Phila., Pa.
O. K. stump pullers, pitless scales—Scott Hay Press Co., Kansas City, Mo.
O. K. tire bolt wrenches—Stanley Rule & Level Co., New Britain, Conn.
O. K. weatherproof wire—Phillips Wire Co., Pawtucket, R. I.
O. K. window cleaners—F. H. Smith Mfg. Co., 3047 Carroll av, Chicago, Ill.
O. K. wire floor clips—Chicago Builders' Specialty Co., Old Colony bldg, Chicago, Ill.
O. K. CHAMPION potato planters, potato sprayers, potato diggers, potato cutters—Champion Potato Machine Co., Hammond, Ind.
O. K. D. blow-off valves—Engineers' Specialty Co., 333 S. Dearborn, Chicago, Ill.
O. K. HARRY binder covers, steel corn cribs—O. K. Harry Steel Co., 2333 Papin, St. Louis, Mo.
O. K. O. BRAND round belting—F. Raniville Co., Grand Rapids, Mich.
O. K. UNDERWRITERS cotton hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
OKEH infants' hosiery—Okeh Hosiery Mills, Lemoyne, Pa.

O. M. C. ALUMISHINE metal polish—Orona Mfg. Co., Boston, Mass.
O. N. T. spool cotton—Clark Thread Co., Clark, Newark, N. J.
O. P. metal polish—Opie J. W. Brush Co., Kansas City, Mo.
O. S. shutter hinges—Wrightsville Hardware Co., Wrightsville, Pa.
O. V. B. hdwe., tools & cutlery—Hibbard Spencer & Bartlett & Co., 303 N. State, Chicago, Ill.
O. W. pipe hangers—L. A. Carpenter Press Metal Co., Cambridge, Mass.
O. & G. lubricating oils & greases—Oil & Grease Co. of America, 65 B'way, New York
OAK padlocks—Slaymaker Lock Co., Lancaster, Pa.
OAK-A-NITE sanitary flooring—Ford Mfg. Co., 2339 La Salle, Chicago, Ill.
OAKEN cattle guards—Kalamazoo Railway Supply Co., Kalamazoo, Mich.
OAKITE rust preventives, cutting, drilling & polishing compounds—Oakley Chemical Co., 22 Thames, New York
OAKLAND pruning shears—Smith, Seymour & Son, Oakville, Conn.
OAKLAND stoves—North Dighton Co-operative Stove Co., North Dighton, Mass.
OAKWOOD paste, salts & liquid soldering—Weaver Specialty Co., Pittsburgh, Pa.
OAKWOOD stoves—Pittston Stove Co., Pittston, Pa.
OBELISK rubber lined cotton hose—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
OBLIQUE TOOTH garden rakes—Standard Auger Co., 57 W. 34th, Chicago, Ill.
OBLONG PLATE bed & furniture casters—Universal Caster & Foundry Wks, 574 Ferry, Newark, N. J. See The Bossick Co., Bridgeport, Conn.
O'BRIEN calcining, wasting & smelting furnaces—Penn Fdry & Mfg. Co., Reading, Pa.
O'BRIEN farm wagons—Indiana Wagon Co., Lafayette, Ind.
O'BRIEN fire bell ringers—Walsh Safety Lock Snap Co., Bellevue, Ohio
O'BRIEN lead melting furnaces—A. P. Smith Mfg. Co., East Orange, N. J.
O'BRIEN rail insulating joints—Q. & C. Co., 90 West, New York
O'BRIEN varnish—O'Brien Varnish Co., South Bend, Ind.
O'BRIEN-HAWLEY smokeless furnaces — John O'Brien Boiler Works Co., St. Louis, Mo.
OBSTITCH belting—Mount Vernon Belting Co., 333 Warren av, Baltimore, Md.
OCEANA marine varnishes — Standard Varnish Works, 90 West, New York
OCEANIC kitchen enameled ware—Strong Mfg. Co., Sebring, Ohio
OCEAN WAVE washing machines—Voss Bros. Mfg. Co., Davenport, Ia.
O-CEDAR floor & furniture polish & mops—Channell Chemical Co., 4501 Western blvd., Chicago, Ill.
OCO piano hinges—Oakville Co., Waterbury, Conn.
O'CONNOR collapsible steel centering—Hartford Construction Iron Wks, Hartford, Conn.
OCTA PITT unions—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
OCTA PENN unions—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
OCTIGAN horse shoes—Octigan Drop Forge Co., 2428 Lowe av, Chicago, Ill.
ODEE gas engines—Kemper-Odee Engine Co., Albert Lea, Minn.
ODELL automobile cord rubber tires—International India Rubber Corp., South Bend, Ind.
ODELL safety razors & safety razor blade sharpening machines—Odell Mfg. Co., 343 S. Dearborn, Chicago, Ill.
ODENKIRK switchstands—Cleveland Railway Supply Co., Swetland bldg., Cleveland, O.
ODIN gas soldering furnaces—Odin Stove Mfg. Co., Erie, Pa.
ODOZONE disinfectants—H. D. Mann Co., 124 N. Warren, Syracuse, N. Y.
OFFICIAL mouse & rat traps—Oneida Community (Ltd.), Oneida, N. Y.
OGDEN INDUSTRIAL folding doors—J. Edward Ogden Co., 147 Cedar, New York
OGLESBY blue granite—Oglesby Granite Co., Elberton, Ga.
OHIO auto truck trailers—Ohio Motor Vehicle Co., Oakview & Nottingham rds, Cleveland, Ohio
OHIO crucible, & laboratory porcelain specialties—Ohio Pottery Co., Zanesville, Ohio
OHIO cultivators, cotton planters, harrows, hay presses, plow coulters—Ohio Cultivator Co., Bellevue, Ohio
OHIO engines—Griffith & Wedge Co., Zanesville, Ohio
OHIO cutters & silo fillers—Silver Mfg. Co., No. 256, Salem, Ohio
OHIO harrows & pulverizers & hay loaders—Ohio Rake Co., Dayton, Ohio
OHIO hot air furnaces—Bennett Furnace Co., 6581 Euclid av, Cleveland, Ohio
OHIO hot air furnaces—Columbus Heating & Ventilating Co., Columbus, Ohio
OHIO injectors, lubricators—Ohio Injector Co., Wadsworth, Ohio
OHIO lifting magnets—Ohio Electric & Controller Co., 5900 Maurice av, Cleveland, Ohio
OHIO lubricating oils & greases, commutator compounds—Ohio Grease Co., Loudonville, Ohio
OHIO metal shaping machines, planing machines—Ohio Machine Tool Co., Kenton, Ohio
OHIO mop wringers, garden hose reels—Cardington Cabinet Co., Cardington, Ohio
OHIO road machines, wagon dump boxes—Ohio Road Machinery Co., Oberlin, Ohio
OHIO rubber tires, inner automobile tubes—Mansfield Tire & Rubber Co., Mansfield, Ohio
OHIO steel ranges—Tinnerman Stove & Range Co., 2038 Fulton rd., Cleveland, O.
OHIO storage batteries—Weisenborn Electric Co., 14 N. Franklin, Chicago, Ill.
OHIO table oilcloth racks—Banner Machine Co., Columbiana, Ohio
OHIO 40 bean & pea planters—Ohio Rake Co., Dayton, Ohio
OHIO 41 C. & C. bean & pea planters—Ohio Rake Co., Dayton, Ohio
OHIO METAL conductor pipes & steel ingots—Whitaker, Glessner Co., Wheeling, W. Va.
OHIO STANDARD ensilage cutters—Silver Mfg. Co., No. 256, Salem, Ohio
OHIO TUEC portable vacuum cleaners—United Electric Co., Canton, Ohio
OHMER generators & igniters—Recording & Computing Machine Co., Dayton, Ohio
OHMLAC electric cable compounds, acid tank lining compounds—Ohmlac Mfg. Co., 443 S. Dearborn, Chicago, Ill.
OHMLAC insulating varnishes—Emil Calman & Co., 100 William, New York
OIL CITY dumping wagons—Kramer Wagon Co., Oil City, Pa.
OIL CITY portable hot water heaters—Wm. Earley, 1216 Ridge av, Phila., Pa.
OIL CITY steam & hot water heating boilers—Oil City Boiler Works, Oil City, Pa.
OILDAG graphite lubricants—Acheson Graphite Co., Niagara Falls, N. Y.
OILDAG graphite lubricants—Acheson Oldag Co., Port Huron, Mich.
OIL KING tractors—Hart-Parr Co., Charles City, Ia.
OIL OF GLADNESS dusters, dustless dust cloths, mops, polish—Dunlap Mfg. Co., Bloomington, Ill.
OIL-PULL traction engines—Advance-Rumely Co., La Porte, Ind.
OILTITE packing—Jenkins Bros., 80 White, New York
OILTURN gasoline & oil engines—Advance-Rumely Co., La Porte, Ind.
OILZUM lubricating oils & greases—White & Bagley Co., Worcester, Mass.
OKADEE water gauges—Okadee Co., 14 E. Jackson blvd., Chicago, Ill.
OKEH disc records—General Phonograph Corp., 25 W. 45th, New York
OKO BRAND round belting—F. Raniville Co., Grand Rapids, Mich.
OKOLITE shoe blacking & polishes—Buckard Blacking & Oil Co., 1322 Greenmount av, Baltimore, Md.
OKONITE insulated wires & cables—Okonite Co., Passaic, N. J.
OLD ABE lamp black—Bihn & Wolff Co., Ash & Almond, Phila., Pa.
OLD ALTON mining tools—Beall Bros., Alton, Ill.
OLD CROW mechanical rubber, rubber packing—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
OLD DOCTOR ice picks—Edw. Parkinson Mfg. Co., 84 Sprague, Providence, R. I.
OLD DOMINION cement—Virginia Portland Cement Co., Allentown, Pa.
OLD DOMINION gaskets for flanges, valves & fittings, packing mfrs. & sheet packing—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
OLD DOMINION vapor heating system—Virginia School Supply Co., 2000 Marshall, Richmond, Va.
OLD DUTCH CLEANSER compounds—Cudahy Packing Co., 111 W. Monroe, Chicago, Ill.
OLD ENGLISH hard wax floor polish—A. S. Boyle & Co., 1934 Dana av, Cincinnati, O.
OLD ENGLISH kitchen enameled ware—Republic Stamping & Enameling Co., Canton, Ohio

OLD ENGLISH metallic roofing tile, metallic shingles —Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
OLD FAITHFUL lumber—Hemlock Mfrs., Oshkosh, Wis.
OLD FAITHFUL waterproof & acidproof belting—Hide, Leather & Belt Co., 227 S. Meridian, Indianapolis, Ind.
OLDHAM brazing compounds—Oldham New York Saw Wks., Inc., 112 26th, Brooklyn, N. Y.
OLD HAMPSHIRE bond typewriter paper—Hampshire Paper Co., So. Hadley Falls, Mass.
OLD HICKORY baseball bats—Edw. K. Tryon Co., 611 Market, Phila., Pa.
OLD HICKORY belt dressing—W. S. Nott Co., 2nd av N. & 3rd, Minneapolis, Minn.
OLD HICKORY dumping wagons—Kentucky Wagon Mfg. Co, Louisville, Ky.
OLD HICKORY garden & lawn rakes—Union Fork & Hoe Co., Columbus, O.
OLD OAK padlocks—Slaymaker Lock Co., Lancaster, Pa.
OLD RELIABLE dredge, hoist & steam shovel chains —United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
OLD RELIABLE gasoline blow torches—Turner Brass Works, Sycamore, Ill.
OLD RELIABLE hand corn planters—Sheffield Mfg. Co., Burr Oak, Mich.
OLD RELIABLE parchment paper—Wm. Mann Co., 529 Market, Phila., Pa.
OLD RELIABLE pipe joint cements—Callahan, Geo. & Co., 218 Front, New York
OLD RELIABLE tractors—Hart-Parr Co., Charles City, Ia.
OLD RELIABLE Union counter scales—Jones of Binghamton (Inc.), Binghamton, N. Y.
OLD STANDARD lamp black—L. Martin Co., 81 Fulton, New York
OLD STANDARD paint—O'Connor & Schweers Paint Co., Augusta, Ga.
OLDS gasoline engines—Advance-Rumely Co., La Porte, Ind.
OLDSMAR farm tractors—Oldsmar Tractor Co., Oldsmar, Fla.
OLEITE belt, harness & shoe dressing & rust preventatives—Am. Oleite Sales Co., 1404 N Park pl., St. Louis, Mo.
OLE OLSEN wood lawn rakes—Piqua Handle & Mfg. Co., P. O. Box, 307, Piqua, Ohio
OLEO artists colors—A. Sartorius & Co., 57 Murray, New York
OLIN gas engines—Olin Gas Engine Co., Buffalo, N. Y.
OLIVE CREAM cotton softeners—E. F. Houghton & Co., 240 W. Somerset, Phila., Pa.
OLIVER centrifugal & vacuum pumps, compressors & filters—Oliver Continuous Filter Co., 503 Market, San Francisco, Cal.; 33 W. 42nd st, New York
OLIVER grindstone boxes & frames, saw benches & tables, saw gauges, saw guards, saw mandrels, rip saw machines, manual training benches, oil & water stones—Oliver Machinery Co., Grand Rapids, Mich.
OLIVER jacks—Oliver Mfg. Co., 326 S. Desplaines, Chicago, Ill.
OLIVER plows, clod crushers, cultivators, corn planters, spring tooth harrows—Oliver Chilled Plow Works, South Bend, Ind.
OLIVER typewriter—Oliver Typewriter Co., 159 N. Dearborn, Chicago, Ill.
OLO SOFFENE cotton softeners—Bosson & Lane, Atlantic, Boston, Mass.
OLOTAN round belting—F. Raniville Co., Grand Rapids, Mich.
OL-SE-CO, polishing cloths—Saponol Chemical Co., 130th & Park av, New York
OLSEN'S mine cages—Eagle Iron Works, Des Moines, Ia.
OLSON truck units—Swedish Crucible Steel Co., Butler & Grand Trunk R. R., Detroit, Mich.
OLYMPIA oil—Texas Company, 17 Battery pl, New York
OLYMPIA packing—C. W. Trainer Mfg. Co., 55 High, Boston, Mass.
OLYMPIA screen door hinges—Champion Hardware Co., Geneva, Ohio
OLYMPIC automobile horns—Electric Spark Appliance Co., 140 Imlay, Brooklyn, N. Y.
OMACO shades & reflectors—Overbagh & Ayres Mfg. Co., 411 S. Clinton, Chicago, Ill.
OMAHA lead pipe—Lawrence Shot & Lead Co., Omaha, Nebr.
OMALA bath room fixtures—Galard Co., 335-6th av, Newark, N. J.

OMEGA crayons—Standard Crayon Mfg. Co., Danvers, Mass.
OMEGA cream separators—Reliance Engineering Co., Lansing, Mich.
OMEGA packing—Cooley Mfg. Co., 98 Park pl, New York
OMEGA rubber bottles, rubber syringes—Parker, Stearns & Co., 286 Sheffield av, Brooklyn, N. Y.
OMEGO air valves—Harlem Mfg. Co., 518 W. 55th, New York
OMY polishing cloths—G. V. Sales Co., 132 Nassau, New York
1a-1a resistance wire—H. Boker & Co., 101 Duane, New York
100 per cent rail joints—Rail Joint Co., 61 B'way, New York
132 end cutting nippers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
199 C. W. fire resisting paints—Toch Bros., 320-5th av, N. Y. C.
ONEIDA automobile horns—Electric Horn & Specialty Co., Utica, N. Y.
ONEIDA clothes pins—E. B. Estes & Sons, 364 5th, New York
ONEIDA drill chucks—Westcott Chuck Co., Oneida, N. Y.
ONEIDA STEEL SPLIT PULLEYS—Dodge Sales & Engng. Co., Mishawaka, Ind.
ONEIDA wood split pulleys—Oneida Wood Pulley Co., Oneida, N. Y.
O'NEIL pipe calking machines—A. P. Smith Mfg. Co., East Orange, N. J.
O'NEILL electric cable hangers, insulated hooks—Pettingell-Andrews Co., 166 Pearl, Boston, Mass.
O'NEILL flue cutters—Columbia Chuck & Tool Co., 140 S. Dearborn, Chicago, Ill.
O'NEILS boiler compounds—O'Neil Oil & Paint Co., 297 E. Water, Milwaukee, Wis.
ONE DROP oil cans—General Phonograph Corp., 25 W. 45th, New York
ONE LOCK adjustable reamers—Morse Twist Drill & Machine Co., New Bedford, Mass.
ONE MAN stump pullers—A. J. Kirstin Co., Escanaba, Mich.
ONE MINUTE clothes washing machines—Morris Mfg. Co., El Reno, Okla.
ONE MINUTE photograph machines—Chicago Ferrotype Co., 1455 W. Congress, Chicago, Ill.
ONE MINUTE post hole diggers—Osmundson Spade Mfg. Co., Perry, Ia.
ONE MINUTE waste paper baling presses—Lubbers & Bell Mfg. Co., Clinton, Iowa
ONE PIECE stop bead screws—National Mfg. Co. Sterling, Ill.
ONE-WAY hay carriers—Hunt-Helm Ferris & Co., Harvard, Ill.
ON IN A MINUTE upholstered chair seats—Economy Seat Co., Inc., 3132 S. Canal, Chicago, Ill.
O-NI-DA chains—Oneida Chain Co., Oneida, N. Y.
ONION SKIN carbon paper—American Ribbon & Carbon Co., Rochester, N. Y.
ONLIWON toilet paper holders—A P. W. Paper Co., Albany, N. Y.
ONLY band saw filing & setting machines—Black Diamond Saw & Machine Works, Natick, Mass.
ONLY can openers, knife sharpeners—American Cutlery Co., 764 Mather, Chicago, Ill.
ONLY paper fasteners—West Mfg. Co., 58 N. 2d, Phila., Pa.
ONLY WAY cultivators—Racine-Sattley Co, Springfield, Ill.
ONOKO babbit metal—H. Channon Co., 150 N. Market, Chicago, Ill.
ONOKO sprinkler hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
ONONDAGA tobacco transplanters—Nagley Mfg. Co., Lyons, N. Y.
ONWARD sliding furniture shoes—Onward Mfg Co., Menasha, Wis
ONYX kitchen enameled ware—Columbian Enameling & Stamping Co., Terre Haute, Ind.
OPAKE draughting inks—Taylor Bros. Co., 706 Superior av, N. W., Cleveland, Ohio
OPAL window screen wire cloth—New York Wire Cloth Co., Woolworth bldg, New York
OPAL GLOSS varnish—D. B. Crockett Co., Bridgeport, Conn.
OPALITE glass tile—Opalite Tile Co., Monaca, Pa.
OPALUX glass shades—Opalux Co., 200 5th av, New York
OPEN DOOR rat traps—Bumann Mfg. Co., Litchfield, Ill.
OPEN DOOR silos—Vesper Wood Mfg. Co., Vesper, Wis.
OPTIMUS electro plating dynamos—A. P. Munning-Loeb Co., Matawan, N. J.

OPTIMUS jewelers' machinery—Worthington & Raymond, 71 Murray, New York
**OPTIMUS paint—Keystone Paint & Filler Co.,** Muncy, Pa.
**ORAM'S bung hole borers & barrel hoop driving machines**—John S. Oram Co., 1316 E. 53rd, Cleveland, O.
**ORANGE lawn mowers—S. P. Townsend & Co.,** Orange, N. J.
**ORANGEVILLE spring tooth harrows—J. W. Conner & Son,** Orangeville, Pa.
**ORCHARD sulky hay rakes—Thomas Mfg. Co.,** Springfield, Ohio
**ORCHID lawn mowers—Supplee-Biddle Hardware** Co., 510 Commerce bldg., Phila., Pa.
**OREGON ash cans—Abbott Hardware Co., 636 Columbus av,** New York
O'REILLY natural gas burners—M. J. O'Reilly, 364 Maryland, Buffalo, N. Y.
ORGOBLO organ blowers—Spencer Turbine Co., Hartford, Conn.
ORIENT faucet cans—Sexton Can Co., 123 Broad, Boston, Mass.
**ORIENT garden hose—Quaker City Rubber Co., 629** Market, Phila., Pa.
**ORIENT picture hooks—Forsyth Metal Goods Co.,** East Aurora, N. Y.
**ORIENTAL rouge—Oriental Rouge Co., Bridgeport,** Conn.
**ORIENTAL stucco—Monument Plaster Co., Harrison,** N. J.
**ORIGINAL air valves—James P. Marsh & Co., 118** S. Clinton, Chicago, Ill.
ORIGINAL deflecting automobile lenses—Madden Glass Co., Aberdeen, S. Dak.
**ORIGINAL fish spears—Bonafide Mfg. Co., Plymouth,** Mich.
**ORIGINAL measuring spoons—Landers, Frary &** Clark, New Britain, Conn.
**ORIGINAL-BLACK sheet packing—Home Rubber Co.,** Trenton, N. J.
ORIGINAL BRAMMER clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
**ORIGINAL-PAYNE'S gas & water tapping machines** —Hays Mfg. Co., Erie, Pa.
ORIGINAL REFLUX vacuum traps—Jas. P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
ORIOLE belt lacing—J. B. Williams & Sons, Dover, N. H.
**ORIOLE children's carriages—Withrow Mfg. Co.,** 2727 Spring Grove av, Cincinnati, Ohio
ORIOLE cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
**ORIOLE gas stoves—Baltimore Gas Appliance &** Mfg. Co., Bayard & Hamburg, Baltimore, Md.
**ORIOLE kitchen enameled ware—Baltimore Stamping & Enameling Co., 909 E. Pratt, Baltimore,** Md.
**ORIOLE marine engines—Page Engineering Co.,** Clagett & Hull, Baltimore, Md.
ORIOLE sheet packing—Hewitt Rubber Co., Buffalo, N. Y.
**ORIOLE tinners' oils—Jas. B. Macneal & Co., Warner & Wooster, Baltimore, Md.**
ORIOLE tubing—Baltimore Tube Co., Wicomico & Ostend, Baltimore, Md.
ORIOLE W. P. cotton rope—Anniston Cordage Co., Anniston, Ala.
ORMA fruit evaporators—Stutzman Mfg. Co., Ligonier, Ind.
ORME safety valves—Stevens, Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
ORONO metal cleaners—Orono Sales Co., 29 India, Boston, Mass.
ORONOKO roofing, sheathing & building—C. B. Hewitt & Bros., Inc., 20 Ferry, New York
**OROOFS rubber roofing—Usona Mfg. Co., Aurora, Ill.**
ORPHEUS talking machine—P. J. McCoy & Co., Inc., 70 Ferry, Newark, N. J.
ORSAT gas analysis apparatus—Eimer & Amend, 205 3d av, New York
ORSAT gas analysis apparatus—Emil Greiner Co., 55 Fulton, New York
ORTHOPEDIC rubber heels—Foster Rubber Co., 105 Federal, Boston, Mass.
**OSBORN brick drills—Irving Mfg. & Tool Co., 157** Chambers, New York
**OSBORN steam pumps—Virginia Foundry & Machine Co., Virginia, Minn.**
OSBORN foundry molding machines, flask stripping machines—Osborn Mfg. Co., 5401 E. Hamilton av, Cleveland, Ohio
OSBORNE meat juice presses—C. S. Osborne & Co., Box 183, Newark, N. J.
OSCILLATOR mop wringers—Cardington Cabinet Co., Cardington, Ohio



OSCILLATOR VACUUM washing machines—American Gas Machine Co., 78 Reade, New York
OSCILLATORS vacuum washing machines—Kiel Mfg. Co., Albert Lea, Minn.
OSGOOD counter scales—Jones of Binghamton, Inc., Binghamton, N. Y.
**O'SHAUGHNESSY fish hook—Redifor Rod & Reel** Co., Warren, Ohio
OSHKOSH concrete mixers, gas engines, guy anchors, load binders, portable sawing rigs—Ransome Concrete Machinery Co., Dunellen, N. J.
OSHKOSH concrete mixer—Oshkosh Mfg. Co., Oshkosh, Wis.
**OSHKOSH logging tools—American Logging Tool** Co., Evart, Mich.
**OSSCO gas stoves, kitchen cabinets—Ohio State Stove** Co., Columbus, Ohio
**OSTEGO feed cutters, fruit evaporators—Babcock** Mfg. Co., Leonardsville, N. Y.
OSTER rachet stock & dies—Oster Mfg. Co., 2057 E. 61st, Cleveland, Ohio
**OSWEGO water tube boilers—A. D. Granger Co.,** 15 Park Row, New York
**O-TAK-A tire remover tools—J. W. Crumlaux, Leroy,** N. Y.
**OTHELLO hot air furnaces—Reading Stove Wks** (Orr, Painter & Co.), Reading, Pa.
**OTIS automobile car heating & vaporizing boiler—** Otis Boiler Co., Inc., 335 West First, Oswego, N. Y.
**OTIS car heating boilers—Steam Carriage Boiler Co.,** Oswego, N. Y.
OTIS feed water heaters—Stewart Heater Co., No. Tonawanda, N. Y.
OTOE canned goods—Otoe Food Products Co., Nebraska City, Nebraska.
**OTSEGO cultivators, potato diggers, lawn swings,** steel tray barrows—Babcock Mfg. Co., Leonardsville, N. Y.
**OTSEGO spring tooth harrows—Munnsville Plow Co.,** Munnsville, N. Y.
**OTTER waterproof belting—American Belting &** Tanning Co., 135 Oliver, Boston, Mass.
OTTO inspection cars—Otto Engine Mfg. Co., 33rd & Walnut, Phila., Pa.
OTTO waterproof leather belting, leather belt cement W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
**OTTOMAN emery & corundum—H. A. Stiles & Co.,** 93-97 Oliver, Boston, Mass.
**OTTOMATIC coal chutes—Church Appliance Mfg.** Co., La Salle, Ill.
**OTTOMO lubricating oils & greases—Pioneer Mfg.** Co., Harvard av & E. 103d, S. E., Cleveland, Ohio
**OTT'S bark shaving mills—Benj. Otto & Sons Co.,** La Crosse, Wis.
OTTUMA garden hose—Hewitt Rubber Co., Buffalo, N. Y.
**OTTUMWA mine screens—Ottumwa Box Car Loading Co., Ottumwa, Ia.**
**OTTUMWA sash pulleys—Johnston & Sharp Mfg.** Co., Ottumwa, Ia.
OUR CLIPPER ranges & stoves—Gray & Dudley Hdwe. Co., Nashville, Tenn.
OUR EXTRA rubber belting—New York Rubber Co., Reade & Church, New York
**OUR FAVORITE steam heaters—R. C. Bartley Co.,** Bartley, N. J.
**OUR HOME hot air furnaces—Hood Furnace & Supply Co., Corning, N. Y.**
**OUR LEADER package handles—Tie Co., Unadilla,** N. Y.
OUR OWN fish landing nets—General Phonograph Corp., 25 W. 45th, New York
**OUR PRIDE hoof parers—Champion Tool Co., Mead**ville, Pa.
OUTERSITE metal mouldings—Union Metal Corner Co., 18 Heath, Boston, Mass.
**OUT-OF-SIGHT lawn clothes dryers—Seed Filter &** Mfg. Co., 73 Franklin, New York
OVALDUCT conduit fittings, locknut & outlet bushings—Steel City Elec. Co., 1207 Columbus av, Pittsburgh, Pa.
OVALPOLE sheet packing—Hollow Center Packing Co., 608 S. Dearborn, Chicago, Ill.
**OVENDENS radiator foot rests—Central Supply Co.,** Worcester, Mass.
OVERLAND farm trucks & wagons—Emerson-Brantingham Co., Rockford, Ill.
**OVERSHOT separators—J. W. Conner & Son, Orange**ville, Pa.
OWATONNA churns—Leo Rumley Tractor Co., La Porte, Ind.
**OWATONNA fanning mills—Owatonna Fanning Mill** Co., Owatonna, Minn.
**OWEGO farm wagons—Champion Wagon Co., Owego,** N. Y.
**OWEN dredging & excavating buckets—Owen Bucket** Co., Rockefeller bldg, Cleveland, Ohio

OWENSBORO shovels, spades & scoops—Owensboro Shovel & Tool Co., Owensboro, Ky.
OWL cement—La Salle Portland Cement Co., La Salle, Ill.
OWL grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
OWL pneumatic hose—Pioneer Rubber Mills, San Francisco, Cal.
OWL BRAND saddlery hardware—Elbel Co., Canton, Ohio
OWN BRAND kitchen knives—L. D. Parkhurst, Danielson, Conn.
OWNERS spark coils—Autocoil Co., 136-7th, Jersey City, N. J.
OX FIBRE horse brushes & push brooms, stove brushers—Ox Fibre Brush Co., Frederick, Md.
OXALUMA grinding wheels—Cortland Grinding Wheel Corp., Cortland, N. Y.
OXFORD copper washers—Metallo Gasket Co., New Brunswick, N. J.
OXFORD metal polish—Crowell Chemical Co., Beverly, Mass.
OXFORD pig iron—Empire Steel & Iron Co., Catasaqua, Pa.
OXFORD spring tooth harrows—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
OXHIDE BRAND round belting—F. Raniville Co., Grand Rapids, Mich.
OXILUM lead burning outfits—Cox Brass Mfg. Co., Albany, N. Y.
OX-OIL-OX belt dressing—F. S. Walton Co., Orthodox & Delaware, Philadelphia, Pa.
OXOLIN paint oils—Ball Chemical Co., Fulton bldg, Pittsburgh, Pa.
OXYOLINE ozone generators—Neel-Armstrong Co., Akron, Ohio
O Y L-R Y T measures, funnels—A. C. Kraft, 323 W. Lake, Chicago, Ill.
OZARK hammer handles—American Handle Co., Jonesboro, Ark.
OZARK walking & riding cultivators—Kingman Plow Co., Peoria, Ill.
OZITE insulating compounds—Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
OZONE baking enamels—Chase, Roberts & Co., Long Island City, N. Y.
OZONE ventilating apparatus—Neel, Armstrong Co., Akron, Ohio
OXONE water sterilizers—Hill Pump Valve Co., 4000-21 Belmont av, Chicago, Ill.
OZONITE varnish—Chase, Roberts & Co., West av, Long Island City, N. Y.
P manila rope—Portland Cordage Co., 14th & Northrup, Portland, Ore.
P. muffler valves—J. E. Lonergan Co., 211 Race, Phila., Pa.
P. A. T. iron & steel roofing—Cincinnati Sheet Metal & Roofing Co., 226 E. Front, Cincinnati, Ohio
P. B. drinking fountains—Peck Bros. & Co., New Haven, Conn.
PB farm wagons—Patterson Mfg. Co., Holly, Mich.
P. B. H. gauge cocks & water gauges—Paul B. Huyette Co., 5 S. 18th, Phila., Pa.
P. B. W. expansion ring couplings—Pioneer Brass Works, Indianapolis, Ind.
P. D. knife cleaning machines—Hamilton-Low Co., 62 Van Winkle av, Jersey City, N. J.
P. D. Q. valve grinding compounds—Motor Car Equipment Co., 19 West 62nd, New York
P. D. Q. C. pipe cutting & threading machines—Bignall & Keeler Machine Works, Edwardsville, Ill.
P. H. cranes, excavators, backfillers, tampers, monorail systems—Pawling & Harnichfeger Co., Milwaukee, Wis.
P. J. F. stop & waste cocks—P. J. Flannery Co., New Britain, Conn.
P.-K. expansion joints—P.-K. Engineers, Syndicate Trust bldg, St. Louis, Mo.
P. K. incandescent cut-outs—H. T. Paiste Co., 3201 Arch, Phila., Pa.
P. P. P. ring packing—Quaker City Rubber Co., 629 Market, Phila., Pa.
P R WEATHERPROOF electric bells—P R Mfg. Co., Detroit, Mich.
P. S. wrenches—Winchester Repeating Arms Co., New Haven, Conn.
P. S. & W. tinners' snips & solid handle wrenches—Peck, Stow & Wilcox Co., Southington, Conn.
P. S. W. engineers' & machinists' wrenches, solid handle—Peck, Stowe & Wilcox Co., Cleveland, O.
P. S. & W. SAMSON take-down squares—Peck, Stow & Wilcox Co., Southington, Conn.
P. T. BERG hot metal cars—Wm. B. Pollock Co., Youngstown, Ohio
P. T. tractor & track laying wheels—Wm. Jr. Wharton Co., Inc., Easton, Pa.
P. & A. tar extractors—Isbell-Porter Co., 46 Bridge, Newark, N. J.
P. & B. insulating paints, compounds, varnishes & tape—Standard Paint Co., 233 Broadway, New York
P. & C. asbestos packed valves, ammonia gauges, & fire hydrants—Pratt & Cady Co., Hartford, Conn.
P. & O. corn planters, stalk cutters, harrows, spring tooth cultivators—International Harvester Co. of America, Inc., Harvester bldg, Chicago, Ill.
P. & O. plows, cultivators, clod crushers, corn planters, harrows, potato diggers—Parlin & Orendorff Co., Canton, Ill.
P. & M. rail anchors, rail anti-creepers—P. & M. Co. (The), 80 E. Jackson blvd, Chicago, Ill.
P. & S. weatherproof sockets, pendant switches, attachment plugs, receptacles, transformer cut-outs, switch boxes & electric rosettes—Pass & Seymour, Solvay, N. Y.
PACEMAKER belting & rubber hose—Cincinnati Rubber Mfg. Co., Franklin av, Cincinnati, Ohio
PACEMAKER gasoline pump—S. F. Bowser & Co., Fort Wayne, Ind.
PACE MAKER gas engines—Temple Mfg. Co., 22nd & S. 54th, Chicago, Ill.
PACIFIC air valves—James P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
PACIFIC automobile towing ropes—Wm. P. Jones, Oakland, Cal.
PACIFIC belting—Schwartz Belting Co., 76 Murray, New York
PACIFIC coal drills—D. D. Demarest Co., San Francisco, Cal.
PACIFIC lawn sprinklers—American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
PACIFIC oil stoves—Taylor & Boggis Fdry. Co., 1913 W. 3rd, Cleveland, Ohio
PACIFIC rubber hose—Voorhees Rubber Mfg. Co., 218 Bostwick av, Jersey City, N. J.
PACIFIC sad irons—Edison Electric Appliance Co., Inc. (Hotpoint Div.), 5600 W. Taylor, Chicago, Ill.
PACIFIC safety fuse—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
PACK carbonizing compounds—C. G. Buchanan Chemical Co., 4650 Baker av, Cincinnati, Ohio
PACKARD cable rubber—Packard Electric Co., Warren, Ohio
PACKARD incandescent electric lamps—Packard Lamps Works of G. E. Co., Warren, Ohio
PACKARD lubricating oils & greases—Puritan Oil Co., 1244 W. 70th, Cleveland, Ohio
PACKER ratchet drills—A. R. King Mfg. Co., Kingston, N. Y.
PACKER ratchet drills—Lovejoy Tool Works, 319 W. Ohio, Chicago, Ill.
PACKHAM stove & conductor pipe crimpers—Packham Crimper Co., Mechanicsburg, Ohio
PACO proof press—Hacker Mfg. Co., 312 N. May, Trenton, N. J.
PACTITE packing mfrs.—Federal Metallic Packing Co., 48 Hanover, Boston, Mass.
PADDOCK water filters—Atlantic Filter Co., Marine National Bank bldg, Buffalo, N. Y.
PAGE belt dressing—Walter C. Gold, 235 Race, Phila., Pa.
PAGE dredging & excavating buckets—John W. Page, 189 W. Madison, Chicago, Ill.
PAGE dumping cars—American Car & Foundry Co., Syndicate Trust bldg, St. Louis, Mo.
PAGE scraper buckets—Page Engineering Co., 189 W. Madison, Chicago, Ill.
PAGE valve fixtures—American Valve & Meter Co., Cincinnati, Ohio
PAGE wall ties & wire stretchers, handy panels, fence anchors—Page Steel & Wire Fence Co., Adrian, Mich.
PAGE SECTIONAL steam heaters—Wm. H. Page Boiler Co., 141 W. 36th, New York
PAHLOW hose couplings—Geo. N. Newhall Eng. Co., Commercial Trust bldg, Phila., Pa.
PAINE expansion bolts—Paine Co., 140 S. Dearborn, Chicago, Ill.
PAKRING METAL metallic packing—Locomotive Finished Material Co., Atchison, Kan.
PAGRIP metal moulding—Appleton Electric Co., Wellington & Paulina, Chicago, Ill.
PALACE door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
PALACE radical gas heaters—Lawson Mfg. Co., Homestead, Pa.
PALACELITE kerosene oils—Great Western Oil Co., 2846 E. 37th, Cleveland, Ohio
PALETTE BRAND bath room fixtures, coat hooks, tumbler holders—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
PALMER cast iron cleanouts, sewer traps, back water valves—Advance Mfg. Co., Erie, Pa.
PALMER lime—Palmer Lime & Cement Co., 103 Park av, New York

PALMER'S carriage springs—Concord Axle Co., Penacook, N. H.
PALMER'S fish nets—C. & W. McClean Merc. Co., 1019 Washington av, St. Louis, Mo.
PALMER'S wood faucets—Crandall Bros., N. Kingsville, Ohio
PALMETTO brush fibre—American Fibre Co., Jacksonville, Fla.
PALMETTO packing—H. N. Cook Belting Co., 401 Howard, San Francisco, Cal.
PALMETTO packing—Greene, Tweed & Co., 109 Duane, New York
PALMS combination sand pumps—Larkin & Co., Butler, Pa.
PALMYRA fibre brushes—Universal Brush Co., 181 Quincy, Chicago, Ill.
PANAMA belt dressing—Panama Oil & Grease Co., 159 W. 51st, New York
PANAMA carbon paper—Manifold Supplies Co., 188 3rd av, Brooklyn, N. Y.
PANAMA padlocks—Slaymaker Lock Co., Lancaster, Pa.
PANAMA road machines & graders, portable cranes—F. B. Zeig Mfg. Co., Fredericktown, Ohio
PANAMA walking & riding cultivators—Kingman Plow Co., Peoria, Ill.
PAN AMERICAN fire extinguishers—N. L. Snyder & Son, 223 Church, Phila., Pa.
PANHARD lubricating oils—Geo. A. Haws, 135 Front, New York
PANTASOTE artificial leather—Pantasote Co., 11 Broadway, New York
PANTHER tread rubber heels—Panther Rubber Mfg. Co., Stoughton, Mass.
PAOWNYC car window fixtures—O. M. Edwards Co., Inc., Syracuse, N. Y.
PARA roofing cements—A. Wilhelm Co., Reading, Pa.
PARAC rubber covered wire—Philips Wire Co., Pawtucket, R. I.
PARACOIL heaters, evaporators & distilling apparatus—Row & Davis, Engineers, Inc., 90 West, New York
PARACOTE felt roofing—Chatfield Mfg. Co., Carthage, Cincinnati, Ohio
PARADOX reamers—Cleveland Twist Drill Co., 1 E. 49th, Cleveland, Ohio
PARADOX screw drivers—W. A. Ives Mfg. Co., Wallingford, Conn.
PARADOX canvas & felt roofing—Flintkote Co., 88 Pearl, Boston, Mass.
PARAGOL core oils, rubber substitutes—Corn Products Refining Co., 17 Battery pl, New York
PARAGON anvils—Horace T. Potts & Co., 318 W. 3rd, Phila., Pa.
PARAGON ball cocks & self-closing faucets, stop valves—Vulcan Brass Mfg. Co., 24 Noble Court, Cleveland, Ohio
PARAGON belt dressing—Montgomery Bros., 45 S. 2nd, Phila., Pa.
PARAGON boiler couplings—Trenton Brass & Machine Co., Trenton, N. J.
PARAGON cold saw cutting-off machines—Tindel-Morris Co., Eddyston, Pa.
PARAGON dumb waiters—Storm Mfg. Co., 50 Vesey, Newark, N. J.
PARAGON emery wheel dressers—Chicago Wheel & Mfg. Co., 1101 Monroe, Chicago, Ill.
PARAGON emery wheel dressers—Curtin-Hebert Co., Gloversville, N. Y.
PARAGON end gate seeders—Bristol & Gale Co., 158 Carroll av, Chicago, Ill.
PARAGON engineers' oiling sets—Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.
PARAGON fire extinguishers—Jas. Boyd & Bro., 25th & Wharton, Phila., Pa.
PARAGON fire hose—Eureka Fire Hose Mfg Co., 27 Barclay, New York
PARAGON fly traps—Reynolds Wire Co, Dixon, Ill.
PARAGON ground cones—Paragon Electric Co., 37 W. Van Buren, Chicago, Ill.
PARAGON hot air furnaces, steam heaters—Isaac A. Sheppard & Co., Land Title bldg, Phila., Pa.
PARAGON knife switchers—Geo. Cutter Co., South Bend, Ind.
PARAGON lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
PARAGON leather belting—W. S. Nott Co., 2nd av n & 3rd, Minneapolis, Minn.
PARAGON lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
PARAGON machine molded gears—Evans Stamping & Plating Co., Taunton, Mass.
PARAGON oil lamps—R. E. Dietz Co., 60 Laight, New York
PARAGON packing—Empire Tire & Rubber Corp., East Trenton, N. J.
PARAGON paint & white wash spraying machines—F. & F. Koenigkramer, 1914 Western av, Cincinnati, Ohio
PARAGON paints & enamels & wood fillers—Lincoln Paint & Color Co., Lincoln, Nebr.
PARAGON pliers & nippers—Wm. Schollhorn Co., New Haven, Conn.
PARAGON riding listers—Kingman Plow Co., Peoria, Ill.
PARAGON screw plates & taps—S. W. Card Mfg. Co., Mansfield, Mass.
PARAGON shades & reflectors—American Reflector & Lighting Co., 517 W. Jackson blvd, Chicago, Ill.
PARAGON shoe blacking & polishes—Frank Miller Co., 349 W 26th, New York
PARAGON shoe lasts & stands—John C. Kupferle Foundry Co., 1st & Wright, St. Louis, Mo.
PARAGON sickel grinders—Walter A. Wood Mower & Reaper Machine Co., Hoosick Falls, N. Y.
PARAGON steam & hot water heaters—Sheppard Isaac A. Co., Land Title bldg, Phila., Pa.
PARAGON turpentine—Thomas Sealy, 138 Front, New York
PARAGON twist drills—Cleveland Twist Drill Co., 1 E. 49th, Cleveland, Ohio
PARAGON DE LUXE garment hangers—Hampden Toy Co., Westfield, Mass.
PARAGON DUPLEX—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
PARAGON TRIPLEX lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
PARA-KON safety razors—Arnold Co., Reading, Pa.
PARALLEL comealongs—Eureka Co., North East, Pa.
PARALYZER clod crushers—Moline Plow Co., Moline, Ill.
PARAMO packing—Revere Rubber Co., Chelsea, Mass.
PARAMOUNT babbitt metal—Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
PARAMOUNT boiler compounds, auto floor & lubricating oils—Frederick Schilling, 617 Greenwich, New York
PARAMOUNT hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
PARAMOUNT patterns & models—Wunsch & Washburn Stone av & McDougal, Brooklyn, N. Y.
PARAMOUNT steel tubing—Pressed Metal Radiator Co., Oliver bldg, Pittsburgh, Pa.
PARANITE submarine cables, insulated rubber covered & telephone wires—Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
PARA-STEEL reflectors—Wheeler Reflector Co., 156 Pearl, Boston, Mass.
PARATAX rubber roofing—Usona Mfg. Co., Aurora, Ill.
PARAVASELINE lubricating oil for cleaning guns & revolvers—Remington Arms-Union Metallic Cartridge Co., Inc., 233 Broadway, New York
PARENITE rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
PARENITO packing—Manhattan Rubber Co., Passaic, N. J.
PARIAN glass shades—Gill Bros. Co., Steubenville, Ohio
PARIL'S jams, jellies & preserves—Puyallup & Summer Fruit Growers' Canning Co., Puyallup, Wash.
PARIAN enamels—W. H. S. Lloyd Co., 105 W. 40th, New York
PARIS broom corn harvesters—Paris Foundry & Machine Works, Paris, Ill.
PARIS crepe paper napkins—Tuttle Press Co., Appleton, Wis.
PARK lawn sprinklers—American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
PARKER corner beads—Youngstown Pressed Steel Co., Warren, Ohio
PARKER air compressors—Brunner Mfg. Co., Utica, N. Y.
PARKER COMBINATION vises—Oswego Tool Co., Oswego, N. Y.
PARKER corner bead—Sharon Steel Hoop Co., Sharon, Pa.
PARKER machinists—Parker Machine Co., 221 High, Boston, Mass.
PARKER expansion bolts—Parker Supply Co., 785 E. 135th, New York
PARKER governor pulleys—Brownwall Engine & Pulley Co., Holland, Mich.
PARKER harrows & pulverizers, portable presses tobacco screws—Ripley Foundry & Machine Co., Ripley, Ohio
PARKER mine car wheels—Eagle Iron Works Co., Terre Haute, Ind.
PARKER shot guns—Parker Bros., Meriden, Conn.

PARKER water tube boilers—Parker Boiler Co., 9th & Sansom, Phila., Pa.
PARKHURST burr pickers—Brown Cotton Gin Co., New London, Conn.
PARKHURST burr pickers—Curtis & Marble Machine Co., Worcester, Mass.
PARK'S Fdy molding machines—A. Buch's Sons Co., Elizabethtown, Pa.
PARK'S self-hardening steel—Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
PARKS-CRAMER air cooling & purifying apparatus —Parks-Cramer Co., Fitchburg, Mass.
PARLIN corn planters—Parlin & Orendorff Co., Canton, Ill
PAR-LOCK mastic roofing—Union Products Co., 1248 W. 70th, Cleveland, Ohio
PARLOR CITY CANDY counter scales—Jones of Binghamton (Inc.), Binghamton, N. Y.
PARLOR PRIDE stove polish—Parlor Pride Mfg. Co., North Andover, Mass.
PARMACO oil well packers—Parkersburg Machine Co., Parkersburg, W. Va.
PARMALEE ratchet wrenches—Parmalee Wrench Co., 2515 E. Monroe, Chicago, Ill.
PARMENTER car fenders & wheel guards—Parmenter Fender & Wheel Guard Co., 89 State, Boston, Mass.
PAROLE oil cups—Wm. Powell Co., Cincinnati, Ohio
PAROLINE motor oil—Bayerson Oil Works, Erie, Pa.
PAROWAX paraffine wax—Standard Oil Co. of N. Y. 555 W. 25th, New York
PARR calorimeters—Standard Calorimeter Co., East Moline, Ill.
PARRETT gasoline & kerosene traction engines—Parrett Tractor Co., 343 S. Dearborn, Chicago, Ill.
PARRETT traction gasoline engines—Weber & Damme Wagon Co., 1621 B'way, St. Louis, Mo.
PARROTT metal polish—Cudahy Packing Co., 111 W. Monroe, Chicago, Ill.
PARROTT varnish, paint & varnish remover—Parrott Varnish Co., Bridgeport, Conn
PARRY automobile truck trailers—Parry Mfg. Co., Indianapolis, Ind.
PARRY besemer iron—Carbon Furnace Co., Ltd., Mauch Chunk, Pa.
PARSON'S flue cleaners, gas exhausters, tar burners —Parsons Mfg. Co., 35 Nassau, New York
PARSON'S manganese bronze castings—Wm. Highton & Sons Co., Nashua, N. H.
PARSON'S manganese bronze castings—Rock Island Metal Foundry, 505 41st, Rock Island, Ill.
PARSON'S manganese bronze ingots, alloys, white brass rods, sheets—Wm. Cramp & Sons, Ship & Engine Building Co., Beach & Ball, Phila., Pa.
PARSON'S self-feeders & band cutters—Maytag Co., Newton, Ia.
PARSON'S sewer & trench & excavating machines—Parsons Co., Newton, Ia.
PARTINE parting compounds—Foundry Specialty Co., Cincinnati, Ohio
PARTRIDGE tool grinders—Edw. O. Partridge, 2047 Lake, Chicago, Ill.
PARTWELL parting compounds—Hill-Brunner Foundry Supply Co., 637 Evans, Cincinnati, Ohio
PARTZ circuit batteries—S. S. White Dental Mfg. Co., 211 S. 12th, Phila., Pa.
PASSAIC auger bits—C. E. Jennings & Co., 71 Murray, New York
PASSAIC shaft tips—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
PASTELLE glass shades—Consolidated Lamp & Glass Co., Coropolis, Pa.
PASTILAGE liquid paste—H. W. Scatter Good Co., 1722 W. Venango, Philadelphia, Pa.
PASTIME clothes washing machines—Maytag Co., Newton, Ia.
PASTIME lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
PASTRY flour sieves—Roseland Can & Specialty Co., Rockford, Ill.
PATAPSCO rule stoves—A. Weiskittel & Son, 12th & E. Lombard, Baltimore, Md.
PATCH grate bars—S. B. Patch & Sons Co., Streator, Ill.
PATER NOSTER shock absorbers—Herz & Co., 245 W. 55th, New York
PATHFINDER acetylene mine lamps—Hughes Bros., Scranton, Pa.
PATROL fire extinguishers—American-La France Fire Engine Co., Elmira, N. Y.
PATROL fire extinguishers—S. F. Hayward & Co., 250 W. 54th, New York
PATTEE cultivators—Roderick Lean Mfg. Co., Mansfield, Ohio
PATTEN electric hoists—Patten Mfg. Co., Chattanooga, Tenn.
PATTERSON junction boxes—Stanley & Patterson, 23 Murray, New York
PATTERSON lustre polish—Patterson Lubricating Co., 114 Broad, Boston, Mass.
PATTERSON sliding motion sifters—Patterson Foundry & Machine Co., East Liverpool, Ohio
PATTERSON steam separators & heaters—Patterson-Kelley Co., 26 Cortlandt, New York
PATTERSON tackle blocks—Pittsburgh Block & Mfg. Co., 818 South av, Pittsburgh, Pa.
PATTERSON wood & steel hand-made blocks—W. W. Patterson Co., 54 Water, Pittsburgh, Pa.
PATTON'S shingle stains, paints & varnish remover, iron fillers—Patton Paint Co., Milwaukee, Wis.
PAUL elect. pumps & water supply systems—Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind.
PAUL air valves, steam traps, vacuum heating—Andrew G. Paul Co., 131 State, Boston, Mass.
PAUL air valves, vacuum heating valves—Jas. P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
PAUL KLUG wool finishing machines—L. H. A. Schwartz & Co., 40 Central, Boston, Mass.
PAULL kerosene lamp burners—Wheeling Stamping Co., Wheeling, W. Va.
PAULL'S LEADER tubular lanterns—Wheeling-Stamping Co., Wheeling, W. Va.
PAULUS self feeding drills—Handlan-Buck Mfg. Co., 210-14 N. 3rd. St. Louis, Mo.
PAULY cement sewer pipe machinery—Concrete Stone & Sand Co., Youngstown, Ohio
PAWNEE belting—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
PAXSON-COLLIAU foundry cupolas—J. W. Paxson Co., 1021 N. Delaware av, Phila., Pa.
PAXSON-WARREN sand blast machines—J. W. Paxson Co., 1021 N. Delaware av, Phila., Pa.
PAXTILE leather packing—Watson Stillman Co., 28 Church, New York
PAYSON furniture casters—Payson Mfg. Co., 2918 W. Jackson blvd, Chicago, Ill.
PAY-WITHIN street cars—Electric Service Supply Co., 17th & Cambria, Phila., Pa.
PAYZANT show card lettering pens—Keuffel & Esser Co., Hoboken, N. J.
PEACE weather strips—Niagara Metal Weather Strip Co., 33 W. Tupper, Buffalo, N. Y.
PEACEMAKER clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
PEACH base balls, base ball bats, base ball masks—J. A. Peach, Gloversville, N. Y.
PEACH BOTTOM roofing slate—Auld & Conger Co., 942 Prospect, Cleveland, Ohio
PEACOCK electric car brakes—National Brake Co., Buffalo, N. Y.
PEACOCK silk typewriter ribbons & carbon papers—Ink Ribbon Mfg. Co., 635 Howard, San Francisco, Cal.
PEARCE rules—Chapin-Stephens Co., Pine Meadow, Conn.
PEARL white felt buffing & polishing wheels—Eastern Felt Co., Canal, Winchester, Mass.
PEARL heating stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
PEARL hydraulic packing—Hewitt Rubber Co., Buffalo, N. Y.
PEARL lemon squeezers—A. C. Williams Co., Ravenna, Ohio
PEARL lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
PEARL stoves—Knox City Iron Works, Knoxville, Tenn.
PEARL wire cloth—Gilbert & Bennett Mfg. Co., Georgetown, Conn.
PEARSON jacks & king bolt clamps—Pearson Jack Co., 185 Franklin, Boston, Mass.
PEARSON nailing tools—E. Martin Pearson, Robbinsdale, Minn.
PEARSON neck yokes, neck yoke centers—National Neck Yoke Co., Rock Island, Ill.
PEARSON CYCLONE spike pullers—Chas. Morrill, 100 Lafayette, New York
PEASE apple slicing machinery—Boutell Mfg. Co., Rochester, N. Y.
PEASE belt dressing—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
PEASE fanning mill—Marseille Wks. of Deere & Co., East Moline, Ill.
PEASE tobacco cutting machines—Buckeye Iron & Brass Works, Dayton, Ohio
PEASE venetian blinds—Chicago Millwork & Supply Co., 1404 W. 37th, Chicago, Ill.
PEASE ECONOMY steam heaters—International Heater Co., Utica, N. Y.
PEAVEY axes, canthooks, cant-dogs—Peavey Mfg. Co., Bangor, Me.
PEBCO steam heaters—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162d, New York

PEBCO tooth paste—Lehn & Fink, 120 William, New York
PECK carriers—Link-Belt Co., 329 W. 39th, Chicago, Ill.
PECK-HAMMOND hot air furnaces—Williamson Heater Co., 339 W. 5th, Cincinnati, Ohio
PECK'S auger handles—Peck, Stow & Wilcox Co., Southington, Conn.
PECO fuel oil burners—Production Engineering Co., 1716 Spring Garden, Phila., Pa.
PECORA paint—Pecora Paint Co., Sedgley av., Phila., Pa.
PEDRO toilet paper—Northern Paper Mills, Green Bay, Wis.
PEEKAY metal polish—Pride of the Kitchen Co., 388 Smith, Brooklyn, N. Y.
PEEL brick ovens—American Oven & Machine Co., 111 W. Washington, Chicago, Ill.
PEELLE elevator gates, folding doors—Peele Co., 123 Liberty, New York
PEER-O-DAY incubators & brooders—Ernest F. Hodgson Co., 116 Washington, Boston, Mass.
PEERLESS air washers—New York Blower Co., Archer av & Canal, Chicago, Ill.
PEERLESS aqua & anhydrous ammonia—National Ammonia Co., 3600 N. Broadway, St. Louis, Mo.
PEERLESS ash & garbage cans, ash sieves—Geo. W. Diener Mfg. Co., 400 Monticello av, Chicago, Ill.
PEERLESS atomizers—Hospital Rubber Co., Attleboro, Mass.
PEERLESS axes—American Axe & Tool Co., Glassport, Pa.
PEERLESS axes—Dunn Edge Tool Co., Oakland, Me.
PEERLESS barn door hangers—Lawrence Bros., Sterling, Ill.
PEERLESS beef hoists—W. C. Treece & Co., Findlay, Ohio
PEERLESS bell bottom jacks—New London Vise Works, New London, Conn.
PEERLESS belt dressing, boiler compounds—O. F. Zurn Co., Broad & Lehigh av, Phila., Pa.
PEERLESS belt lacing—California Tanning Co., 1905 Shenandoah av, St. Louis, Mo.
PEERLESS boat cushions—Pneumatic Mfg. Co., 123 Pacific, Brooklyn, N. Y.
PEERLESS book binders' machinery—A. G. Burton Son, 118 S. Clinton, Chicago, Ill.
PEERLESS can openers—Bradley & Farnham, Middlefield, Conn.
PEERLESS can openers—John H. Graham & Co., 113 Chambers, New York
PEERLESS carbon paper—E. A. Brecher & Co., 119 Lafayette, New York
PEERLESS carpet nails—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
PEERLESS carpet sweepers—National Sweeper Co., Torrington, Conn.
PEERLESS carriage fasteners—Metal Stamping Co., 13th, Long Island City, N. Y.
PEERLESS carriage fasteners—F. A. Neider Co., Augusta, Ky.
PEERLESS carving lathes—Valley City Machine Works, Grand Rapids, Mich.
PEERLESS cement—Peerless Portland Cement Co., Union City, Mich.
PEERLESS cement brick machines—Peerless Brick Machine Co., 1234 Central av, Minneapolis, Minn.
PEERLESS chain hoists—Edwin Harrington, Son & Co., 17th & Callowhill, Phila., Pa.
PEERLESS check writing machines—Todd Protectograph Co., 1050 University av, Rochester, N. Y.
PEERLESS children's vehicles—South Bend Toy Mfg. Co., South Bend, Ind.
PEERLESS clothes line reels—Hugro Mfg. Co., 327 S. La Salle, Chicago, Ill.
PEERLESS clothes washing machines—Michigan Washing Machine Co., Muskegon, Mich.
PEERLESS cocks & bibbs—Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
PEERLESS coffee roasters—M. Lally & Co., 29 W. 3rd, Cincinnati, Ohio
PEERLESS coffee & spice—Wrightsville Hardware Co., Wrightsville, Pa.
PEERLESS corn husking machines—Peerless Husker Co., 523 Cornwall av., Buffalo, N. Y.
PEERLESS counting machines—J. E. Sheppard Co., Worcester, Mass.
PEERLESS crayons—Stanley Doggett, 11 Cliff, New York
PEERLESS cultivators—Greenville Implement Co., Greenville, Mich.
PEERLESS cultivators, feed cutters—Thornburg Mfg. Co., Bowling Green, Ohio.
PEERLESS curb service boxes—Modern Iron Works, Quincy, Ill.
PEERLESS cutting & drilling compounds—Racine Tool & Machine Co., Racine, Wis.



PEERLESS display racks—Indianapolis Corrugating Co., Indianapolis, Ind.
PEERLESS door mats—D. A. Hinman & Co., Sandwich, Ill.
PEERLESS dough mixing & kneading machines—Baker's Sons J. & Perkins Co., Inc., White Plains, N. Y.
PEERLESS dynamos & motors, electric portable fans—Peerless Electric Co., Warren, Ohio
PEERLESS electrical testing instruments, photometers, pyrometers, tachometers, thermometers—Thompson-Levering Co., 325 Arch, Phila., Pa.
PEERLESS enamels—Akron Varnish Co., Akron, Ohio
PEERLESS exhaust heads—Ambrose Machine Co., 254 Eagle, Brooklyn, N. Y.
PEERLESS fanning mills—Johnson & Field Mfg. Co., Racine, Wis.
PEERLESS fire hose—Eureka Fire Hose Mfg. Co., 27 Barclay, New York
PEERLESS fire hydrants—Macungie Brass & Mfg. Co., Macungie, Pa.
PEERLESS fireplace dampers—Peerless Mfg. Co., Louisville, Ky.
PEERLESS fly traps—Wickwire Spencer Steel Corp., Worcester, Mass.
PEERLESS folding seats—Fernald Mfg. Co., North East, Pa.
PEERLESS folding seats—Metal Stamping Co., 13th, Long Island City, N. Y.
PEERLESS folding tables—Carron Co., Ludington, Mich.
PEERLESS foundry chaplets—Hill & Griffith Co., 1262 State av, Cincinnati, Ohio
PEERLESS friction clutches—Essmueller Mill Furnishing Co., 1222 S. 8th, St. Louis, Mo.
PEERLESS fruit pickers—Woods-Sherwood Co., Worcester, Mass.
PEERLESS furnace pipe fittings & hot air furnace tops—Wilbur S. Steele Co., Hartford, Conn.
PEERLESS galvanized sheet steel—Abbott Mfg. Co., 4714 Central av, S. E., Cleveland, Ohio
PEERLESS garage floor drains—Compound Injector & Specialty Co., 419 N. Laramie av, Chicago, Ill.
PEERLESS garment hangers—Hincher Mfg. Co., Washington, Ind.
PEERLESS gas stoves—Peerless Stove & Mfg. Co., Columbus, Ohio
PEERLESS gasoline sad irons—Tures Mfg. Co., Milwaukee, Wis.
PEERLESS glazier's points—Austin & Eddy, 117 Broad, Boston, Mass.
PEERLESS glaziers' putty—John Briggs & Co., 45 Purchase, Boston, Mass.
PEERLESS glue—Magnet Cement & Dressing Co., Primos, Pa.
PEERLESS grease extractors, steam separators, steam traps—Hussey, McCann & Co., 87 Warren, New York
PEERLESS handcuffs—Peerless Handcuff Co., Springfield, Mass.
PEERLESS harrow carts—Peoria Drill & Seeder Co., Peoria, Ill.
PEERLESS hay fork pulleys, hay carriers—Hunt, Helm Ferris & Co., Harvard, Ill.
PEERLESS heaters—Peerless Heater Co., Pittsburgh, Pa.
PEERLESS high speed reamers—Cleveland Twist Drill Co., 1 E. 49th, Cleveland, Ohio
PEERLESS incubators & brooders—H. M. Sheer Co., Quincy, Ill.
PEERLESS insulation — **NATIONAL FIBRE & INSULATION CO.**, Yorklyn, Del.
PEERLESS jacks—Oliver Mfg. Co., 326 S. Desplaines, Chicago, Ill.
PEERLESS kitchen boilers—John F. Binder, 6 W. Lake, Chicago, Ill.
PEERLESS lamp guards—Frank W. Morse, 289 Congress, Boston, Mass.
PEERLESS lawn mower sharpeners—Fate-Root-Heath Co., Plymouth, Ohio
PEERLESS lawn swings—Challenge Co., Batavia, Ill.
PEERLESS leather wheels—Pflegher Hardware Specialty Co., New Haven, Conn.
PEERLESS lubricating oils & greases—Geo. A. Haws, 135 Front, New York
PEERLESS metal polish—Colgan Mfg. & Supply Co., 118 Maiden la, New York
PEERLESS metal washboards—National Washboard Co., 72 W. Adams, Chicago, Ill.
PEERLESS meter seals—United Seal Co., 239 S. Pearl, Columbus, Ohio
PEERLESS mixed paint—C. A. Woolsey Paint & Color Co., 490 Grand, Jersey City, N. J.
PEERLESS nickel chromium wire—Alloy Metal Wire Co., 154 Nassau, New York

PEERLESS nickel salts—Wm. T. Finkell, 103 Maiden la, New York
PEERLESS non-explosive cans—Non-Explosive Can Co., 127 S. Green, Chicago, Ill.
PEERLESS paint cans—Manufacturers' Can Co., Harrison, N. J.
PEERLESS paint & varnish remover—Brooklyn Varnish Mfg. Co., 35 Nostrand av, Brooklyn, N. Y.
PEERLESS paper doilies—Milwaukee Lace Paper Co., 050 Lee, Milwaukee, Wis.
PEERLESS pipe cutting & threading machines—Bignall & Keeler Machine Works, Edwardsville, Ill.
PEERLESS pipe grips—Prentiss Vise Co., 110 Lafayette, New York
PEERLESS potato planters—Potato Implement Co., Traverse City, Mich.
PEERLESS radiators—American Radiator Co., 820 S. Michigan av, Chicago, Ill.
PEERLESS ready roofing—American Roofing Co., Kansas City, Mo.
PEERLESS recording pressure gauges—Jones Gauge Co., 5 Broad, Boston, Mass.
PEERLESS rubber covered wire—Indiana Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
PEERLESS rubber horse shoes—Peerless Rubber Horseshoe Co., 1014 S. Kildare av, Chicago, Ill.
PEERLESS rubber type—J. F. W. Dorman Co., 526 N. Calvert, Baltimore, Md.
PEERLESS rubber vulcanizers—J. F. W. Dorman Co., 526 N. Calvert, Baltimore, Md.
PEERLESS sash hangers & fasteners—Stanley Works, New Britain, Conn.
PEERLESS sash operating device—Payson Mfg. Co., 2918 W. Jackson blvd, Chicago, Ill.
PEERLESS seed corn dryers—Bain Bros. Mfg. Co., Cedar Rapids, Ia.
PEERLESS shoe blacking & polishes—Frank Miller Co., 349 W. 26th, New York
PEERLESS shoe factory electric heating & ironing outfits—Boston Last Co., 44 Binford, Boston, Mass.
PEERLESS smoked beef slicing machines—Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.
PEERLESS soldering paste—Solderall Co., 127 Sussex av, Newark, N. J.
PEERLESS spray nozzle, grease cups—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
PEERLESS spray pumps—Brandt Mfg. Co., 310 3d av, Minneapolis, Minn.
PEERLESS squaring shears—Ewert & Kutscheid Mfg. Co., 921 W. 49th pl, Chicago, Ill.
PEERLESS stove pipe & elbows—Hemp & Co., Vandeventer nr Shaw, St. Louis, Mo.
PEERLESS stoves—Grinberg Bros., 154 South, New York
PEERLESS table mats—Chicago Asbestos Table Mat Co., 215 Loomis, Chicago, Ill.
PEERLESS tallow—Consolidated Rendering Co., 40 N. Market, Boston, Mass.
PEERLESS tin key faucets—John Sommer Faucet Co., 355 Central av, Newark, N. J.
PEERLESS transformers—Enterprise Elec. Co., Warren, Ohio
PEERLESS trolley catchers & retrievers—Electric Service Supplies Co., 17th & Cambria, Phila., Pa.
PEERLESS valves—Haydenville Co., Haydenville, Mass.
PEERLESS vises—Fulton Machine & Vise Co., Lowville, N. Y.
PEERLESS well pump—Deming Co., Salem, Ohio
PEERLESS window cleaners—Standard Cleaner Co., 136 W. Lake, Chicago, Ill.
PEERLESS wire brushes—Peerless Mfg. Co., New Durham, N. H.
PEERLESS wood fibre plaster—American Cement Plaster Co., Lawrence, Kans.
PEERLESS wooden barrows—Frank R. Prescott, Meredith, N. H.
PEERLESS woven wire fences—Peerless Wire Fence Co., Adrian, Mich.
PEERLESS-BRILLIANT incandescent & mazda lamps—Peerless-Brilliant Lamp Division of G. E. Co., Warren Ohio
PEERLESS IMPROVED sanitary hot air furnaces—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
PEERLESS INDESTRUCTO incandescent gas mantles—Peerless Light Co., 663 W. Washington blvd, Chicago, Ill.
PEERLESS WHITE granite—Woodbury Granite Co., Hardwick, Vt.
PEERLESS PERFECT PROTECTION weather proof wire—Peerless Insulated Wire & Cable Co., 90 West, New York
PEIRCE brick & stone drills for expansion bolts—Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
PEIRCE clamp pins, electric house brackets—Hubbard & Co., 63rd & Butler, Pittsburgh, Pa.
PEKIN farm wagons—Pekin Wagon Co., Pekin, Ill.
PELICAN nail pullers—Miller's Falls Co., 28 Warren, New York
PELICAN oil—Texas Company, 17 Battery pl, New York
PELICAN WHITE PINE lumber—Pelican Bay Lumber Co., Klamath Falls, Oreg.
PELLA hay stackers—Garden City Feeder Co., Pella, Ia.
PELOUZE electric sad irons—Pelouze Mfg. Co., 232 E. Ohio, Chicago, Ill.
PELTON water wheels—Walker Mfg. Co., Denver, Colo.
PEMCO arc lamps, arc lamp brackets, commutator bars, electric lamp hoods, fuse boxes, lock-nuts, washers, trolley wire hangers, street fixtures & strain insulators—Philadelphia Electrical & Mfg. Co., 1236 N. 31st, Phila., Pa.
PENBERTHY boiler injectors, engine lubricators, oil & grease cups—Penberthy Injector Co., 346 Holden av, Detroit, Mich.
PENCE automobile wind shields—Pence Automobile Co., Minneapolis, Minn.
PENCO—kalameined doors & windows, metal boxes, metal lath, metallic shingles, steel portable houses, sheet steel stair risers, ceilings, steel corner beads, fireproof metal doors, roofing & corrugated iron—Penn Metal Co., 65 Franklin, Boston, Mass.
PEN-DAR metallic filing cabinets, steel shelving, tool cabinets—Edw. Darby & Sons Co., 412 N. 18th, Phila., Pa
PEN DAR refuse burners—Pennsylvania Wire Works, 412 N. 18th, Phila., Pa.
PENDERGAST track brooms—Mass Commission for the Blind, Cambridge, Mass.
PENDULUM hand washing machines—Voss Bros. Mfg. Co., Davenport, Ia.
PENGUIN oil cups—Wm. Powell Co., Cincinnati, Ohio
PENINSULAR button fasteners—Heaton Peninsular Button Fastener Co., 65 Shirley, Boston, Mass.
PENINSULAR cement—Peninsular Portland Cement Co., Cement City, Mich.
PENINSULAR paint & varnish remover—Peninsular Paint & Varnish Co., St. Auben & M. C. R. R., Detroit, Mich.
PENINSULAR rubber hose—Empire Tire & Rubber Corp., Trenton, N. J.
PENN. belt dressing—Penna. Lubricating Co., 34th & A. V. R. R., Pittsburgh, Pa.
PENN car couplers—McConway & Torley Co., 48th & A. V. R. R., Pittsburgh, Pa.
PENN cutting oils—Penn Oil & Supply Co., Ltd., Oil City, Pa.
PENN engine & machine oilers—Penn Oiler Co., 250 Fulton, New York
PENN gas burners—Odin Stove Mfg. Co., Erie, Pa.
PENN metal lath—Penn Metal Ceiling & Roofing Co., 23rd & Hamilton, Phila., Pa.
PENN padlocks—Slaymaker Lock Co., Lancaster, Pa.
PENN safety razors—A. C. Penn, Inc., 100 Lafayette, New York
PENN transom lifts—Penn Hardware Co., Reading, Pa.
PENN trolley track door hangers—Sharon Hardware Mfg. Co., Sharon, Pa.
PENN unions—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
PENN-ALLEN cement—Penn-Allen Cement Co., Allentown, Pa.
PENN KELLER canvas, cotton flannel & jersey gloves—Keller Glove Mfg. Co., Inc., Plumsteadville, Pa.
PENN-SPARTAN sash pulleys—Penn Hardware Co., Reading, Pa.
PENN-VULCAN sash pulleys—Penn Hardware Co., Reading, Pa.
PENNA comealongs—B.-R. Electric & Tel. Mfg. Co., Kansas City, Mo.
PENN gas stoves—Penna Furnace & Stove Co., Warren, Pa.
PENNA hot air furnaces, gas soldering furnaces—Penna. Furnace Stove Co., Warren, Pa.
PENNA BLACK slate blackboard, structural slate—Superior Slate Co., Allentown, Pa.
PENNANT cotton hose—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
PENNANT lawn mowers—American Lawn Mower Co., Muncie, Ind.
PENNANT oil pump lubricators—Wm. Powell Co., Cincinnati, Ohio
PENNELL fish hook—Redifor Rod & Reel Co., Warren, Ohio
PENNIE back water valves—Kennedy Valve Mfg. Co., Elmira, N. Y.

PENNINGTON harrows & pulverizers—Towers & Sullivan Mfg. Co., Rome, Ga.
PENNINGTON turbine pumps—Vulcan Iron Works Co., Denver, Colo.
PENNOCK angle benders—American Road Machinery Co., Kennett sq., Pa.
PENNSYLVANIA cement—Pennsylvania Cement Co., 30 E. 42nd, New York
PENNSYLVANIA fanning mills, feed cutters, root cutters—A. Buch's Sons Co., Elizabethtown, Pa.
PENNSYLVANIA fruit pickers—Edw. Darby & Sons Co., 412 N. 18th, Phila., Pa.
PENNSYLVANIA fruit pickers—D. A. Wedmore & Co., Camden, N. J.
PENNSYLVANIA grain drills, spring tooth harrows, —A. B. Farquhar Co., Ltd., York, Pa.
PENNSYLVANIA lawn mowers, lawn trimmers—Supplee-Biddle Hardware Co., 510 Commerce Phila., Pa.
PENNSYLVANIA lawn mowers—Pennsylvania Lawn Mower Works, 1615 N. 23d, Phila., Pa.
PENNSYLVANIA limestone stone pulverizers—Pennsylvania Crusher Co., Stephen Girard bldg, Phila., Pa.
PENNSYLVANIA pneumatic tires, pump & rubber valves, rubber tile—Pennsylvania Rubber Co., Jeannette, Pa.
PENNSYLVANIA threshers—Heebner & Sons, Lansdale, Pa.
PENN-TITIAN sash pulleys—Penn. Hardware Co., Reading, Pa.
PEN-PERFECT apple parers—Penn. Hardware Co., Reading, Pa.
PENTANE photometer lamps—American Meter Co., 3112 N. 17th, Phila., Pa.
PENTEX fireproof hollow tile—Penna. Fireproofing Co., Erie, Pa.
PENTICOST steam heaters—Allen Fire Dept. Supply Co., 159 Aborn, Providence, R. I.
PEORIA eaves-trough hangers—Clark-Smith Hardware Co., Peoria, Ill.
PEORIA gas heaters—Culter & Proctor Stove Co, Peoria, Ill.
PEORIA grain weighers & loaders—Hart Grain Weigher Co., Peoria, Ill.
PEORIA harrow attachments, end gate seeders, portable grain elevators—Peoria Drill & Seeder Co., Peoria, Ill.
PEORIA traction engines—Peoria Tractor Co., Peoria, Ill.
PEP abrasives & valve grinding compounds—Worcester Abrasive Co., Worcester, Mass.
PEPEROID catalog envelopes—Alvah Bushnell Co., 927 Filbert, Phila., Pa.
PEPCO piston rings—Penn Piston Ring Co., 203 St. Clair av, N. E., Cleveland, Ohio
PEP-STEP rubber heels—Atlantic Mfg. Co., Wilmington, Del.
PEPPERCORN butchers & shoe knives & steels—Baker Cutlery & Hardware Co., 101 Duane, New York
PEPPER POD lubricators—Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
PEQUOT belt lacing—Holyoke Belting Co., Holyoke, Mass.
PEQUOT steam & hot water heaters—Hopson & Chapin Mfg. Co., New London, Conn.
PER-BONA insulating paper—Lehon Co., 4451 Oakley, Chicago, Ill.
PEQUOT bilge pumps—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
PEQUOT padlocks—Sargent & Co., New Haven, Conn.
PERCOLO vacuum washer—Erie Metal Products Co., Erie, Pa.
PERFECT annunicators—Electric Goods Mfg. Co., Canton, Mass.
PERFECT anti-friction babbitt metal—Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
PERFECT apple slicing machinery—Boutell Mfg. Co., Rochester, N. Y.
PERFECT arc lamp clutches—Phila. Electrical & Mfg. Co., 1236 N. 31st, Phila., Pa.
PERFECT automatic air valves—W. A. Russell & Co., 63 W. 37th, New York
PERFECT automatic grapple forks—F. E. Myers & Bro., Ashland, Ohio
PERFECT automobile wind shields—Fellweck Automobile & Mfg. Co., Evansville, Ind.
PERFECT barrel swings—Upton & Gilman Machine Co., Lowell, Mass.
PERFECT boiler flue & tube cleaners—Hilts Wrench & Mfg. Co., Richford, N. Y.
PERFECT brake wheels—Dayton Malleable Iron Co., Dayton, Ohio
PERFECT bronze wire cloth, fly traps—Ludlow-Saylor Wire Co., Newstead av cor Wabash R. R., St. Louis, Mo.



PERFECT broom holders, garment hangers, cattle deborners, hog ringers & rings & roofing tongs—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
PERFECT can openers—Cron & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
PERFECT car trucks—J. G. Brill Co., 62nd & Woodland av, Phila., Pa.
PERFECT carriage fasteners—C. Cowles & Co., New Haven, Conn.
PERFECT carriage fasteners—Crandal Stone Div., The Brewer-Fitchener Corp., Binghamton, N. Y.
PERFECT cattle guards—Kalamazoo Railway Supply Co., Kalamazoo, Mich.
PERFECT clothes line pulleys—C. L. Blodgett Mfg. Co., San Francisco, Cal.
PERFECT cupboard catches—Automatic Door Catch Co., Harvey, Ill.
PERFECT currycombs—Wisconsin Metal Products Co., Racine, Wis.
PERFECT disc harrows—Bucher & Gibbs Plow Co., Canton, Ohio
PERFECT dish drainers—Hamblin & Russell Mfg. Co., Worcester, Mass.
PERFECT door checks and springs—Stanley Works, New Britain, Conn.
PERFECT door hangers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
PERFECT door springs—Sharon Hardware Mfg. Co., Sharon, Pa.
PERFECT expansion bolts—Isaac Church, East Norwalk, Conn.
PERFECT fire place heaters—Richardson & Boynton Co., 31 W. 31st, New York
PERFECT flue cutters—J. Faessler Mfg. Co., Moberly, Mo.
PERFECT fruit pickers—Woods-Sherwood Co., Worcester, Mass.
PERFECT garden, lawn & poultry fences—F. P. Smith Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill
PERFECT garment hangers & paper clips—Henry C. Freshour, Bridgeport, Conn.
PERFECT gas main stoppers—Edw. A. Behringer, 98 Park pl, New York
PERFECT glass cutters—H. C. Hart Mfg. Co., Unionville, Conn.
PERFECT hame fasteners—Weldless Chain Co., Bridgeport, Conn.
PERFECT hose menders—L. R. Nelson, Peoria, Ill.
PERFECT hot air furnaces—W. G. McPherson Co., Portland, Ore.
PERFECT hydraulic lifts—Illinois Pump & Brass Co., Peoria, Ill.
PERFECT knife & scissors grinders—Shawmut Machinery Co., 82 Lincoln, Boston, Mass.
PERFECT lawn sprinklers—Stuber & Kuck, Peoria, Ill,
PERFECT lemon squeezers, steel stove trimmings & stove trucks—Arcade Mfg. Co., Freeport Ill.
PERFECT oven illuminators—George L. Beitner, Bridgeport, Conn.
PERFECT paper cutting machines—Black-Clawson Co., Hamilton, Ohio
PERFECT pipe bending springs—Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, Ohio
PERFECT pipe hangers—D. L. Billings & Co., 762 Dudley, Boston, Mass.
PERFECT plumb bobs—S. & I. Co., Springfield, Mass.
PERFECT portable benches—Em-Em Selling Co., 422 E. 16th, New York
PERFECT radiator shields—Decatur Cornice & Roofing Co., Decatur, Ill.
PERFECT radiator shields & automatic ventilators—J. D. Gerken Co., Toledo, Ohio
PERFECT rubber hose—Empire Tire & Rubber Corp., Trenton, N. J.
PERFECT rubber roofing—Maurice O'Meara Co., 448 Pearl, New York
PERFECT self indexing ledger—Chicago Binder & File Co., 117 S. Clinton, Chicago, Ill.
PERFECT shelf hardware boxes—Chas. P. Moore, Ravenswood, W. Va.
PERFECT sickle grinders—Walter A. Wood Mower & Reaper Machine Co., Hoosick Falls, N. Y.
PERFECT sink strainers—Central Stamping Co., 172 Fulton, New York
PERFECT steel shipping barrels—Detroit Range Boiler & Steel Barrel Co., 619-24th, Detroit, Mich.
PERFECT steel tubular harrows—Phillips, Doup & Co., 60 Pearl, Brooklyn, N. Y.
PERFECT valve discs—M. B. Skinner Co., 562 W. Washington, Chicago, Ill.
PERFECT valve discs—Jas. McCrea & Co., 562 W. Washington, Chicago, Ill.

PERFECT wall mills—Wrightsville Hardware Co., Wrightsville, Pa.
PERFECT water closets—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162nd, New York
PERFECT window regulators—Perfect Window Regulator Co., 20 Exchange pl, New York
PERFECT woven wire fences—Spring Steel Fence & Wire Co., Anderson, Ind.
PERFECT CLINCHING hose coupling—L. R. Nelson, Peoria, Ill.
PERFECT DOUBLE TONG drill sockets—Cleveland Twist Co., 1 E 49th, Cleveland, Ohio
PERFECT FIT binder covers—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
PERFECT-FIT sheet steel ceilings—Eller Mfg. Co., Canton, Ohio
PERFECT HANDLE screw drivers, tack claws & pullers, drawing knives, machinists' hammers, hatchets, wrenches—H. O. Smith & Co., Plantsville, Conn.
PERFECT & McLAIN electric car headlights—Trolley Supply Co., Canton, Ohio
PERFECT SUCCESS bricket spray pumps—Deming Co., Salem, Ohio
PERFECTED piano wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
PERFECTION ash sifters & wire cloth—Success Mfg. Co., Gloucester, Mass.
PERFECTION automobile robes—A. Holnigsberger, 16 S. Market, Chicago, Ill.
PERFECTION babbitt metal & brass wire cloth digesters—Eastwood Wire Mfg. Co., Belleville, N. J.
PERFECTION bath brushes—Standard Brush Co., New Hartford, Conn.
PERFECTION belt dressing—Fansher Bros., Dayton, Ohio
PERFECTION belt lacing—Hudson Belt Fastener Co., 149 Church, New York
PERFECTION belting—Bonner & Barnewall, 30 Church, New York
PERFECTION belting, fire & cotton hose & dredging sleeves—Boston Woven Hose & Rubber Co., Cambridge, Mass.
PERFECTION bench grinders—Star Specialty Mfg. Co., 227 W. Erie, Chicago, Ill.
PERFECTION blower cleaners—Perfection Grate & Supply Co., Springfield, Mass.
PERFECTION boiler compounds—Brewer & Co., Worcester, Mass.
PERFECTION boiler compounds—Patapsco Oil & Grease Co., 109 Cheapside, Baltimore, Md.
PERFECTION boiler compound feeders—Lake Erie Mfg. Co., Buffalo, N. Y.
PERFECTION box scrapers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
PERFECTION buggy aprons—Bayles Vehicle Top & Trimming Co., Kansas City, Mo.
PERFECTION calf weaners—Aug. Holthaus Saddlery Co., 1449 N. 6th, St. Louis, Mo.
PERFECTION can filling machines, bottle filling machines—U. S. Bottlers' Machy. Co., 2511 Park, Chicago, Ill.
PERFECTION canning machinery—Manufactured by Berger & Carter Co. (owners of Pacific Tool & Supply Co., 365 Market, San Francisco, Cal.
PERFECTION car lamp burners—Edw. Miller & Co., Meriden, Conn.
PERFECTION carriage fasteners, automobile tire holders—Metal Stamping Co., 13th, Long Island City, N. Y.
PERFECTION curtain fasteners, hame tug plates—North & Judd Mfg. Co., New Britain, Conn.
PERFECTION cattle stanchions & linoleum racks—Stanley C. Swift Mfg. Co., Cuba, N. Y.
PERFECTION cellar drainers—Erwin & Co., 3736 Cottage Grove av, Chicago, Ill.
PERFECTION china kilns—Bellevue Furnace Co., Detroit, Mich.
PERFECTION clothes line hooks—Franklin Brass Foundry Co., Reading, Pa.
PERFECTION coil chains—Bridgeport Chain Co., Bridgeport, Conn.
PERFECTION computing cheese cutters—American Computing Co., Indianapolis, Ind.
PERFECTION concrete building block machinery—Enterprise Foundry Co., Rochester, N. Y.
PERFECTION concentrated liquid soldering flux—Baltimore Chemical Co., 1901 Park av, Baltimore, Md.
PERFECTION corn forks—Pfleghar Hardware Specialty Co., New Haven, Conn.
PERFECTION crayons—Stanley Doggett, 11 Cliff, New York
PERFECTION cutting compounds—Climax Refining Co., Williamson bldg, Cleveland, Ohio
PERFECTION cutting compounds—Middle States Oil Co., 848 B. of L. E. bldg, Cleveland, Ohio.
PERFECTION direct connected electric light & power plants & storage batteries—Dealers Elec. Light Co., 500 E. 40th, Chicago, Ill.
PERFECTION door checks & springs—Wickwire Spencer Steel Corp., Worcester, Mass.
PERFECTION door springs—Wickwire Spencer Steel Corp., Worcester, Mass.
PERFECTION drawing compounds—Swan & Finch Co., 165 Broadway, New York
PERFECTION door springs—Wire Goods Co., Worcester, Mass.
PERFECTION dust collectors—Prinz & Rau Mfg. Co., 659 E. Water, Milwaukee, Wis.
PERFECTION electric light & power plants storage batteries & switchboards—Perfection Storage Battery Co., 500 E. 40th, Chicago, Ill.
PERFECTION electric sign flashers—Electric Carriage Call & Specialty Co., 311 W. 40th, New York
PERFECTION elevator boots—Barnard & Leas Mfg. Co., Moline, Ill.
PERFECTION fanning mills—Johnson & Field Mfg. Co., Racine, Wis.
PERFECTION feed water heaters & feed water purifiers—Milwaukee Reliance Boiler Wks., 1102 32nd, Milwaukee, Wis.
PERFECTION floor scrapers—Duncan Bros. & Wray Co., Ludlow Falls, Ohio
PERFECTION fodder shredders—Silver Mfg. Co., No. 256, Salem, Ohio
PERFECTION fumigators—Jas. R. Wotherspoon, 238 N. Front, Phila., Pa.
PERFECTION garden cultivators—Brown Mfg. Co., Zanesville, Ohio
PERFECTION garden hose reels—Cardington Cabinet Co., Cardington, Ohio
PERFECTION gas machines—American Gas Machine Co., Albert Lea, Minn.
PERFECTION grain graders—Chas. Hunnicut Co., Wilmington, Ohio
PERFECTION flexible battery connectors—Fitzgerville, Pa.
PERFECTION insulating washers—Morley Mfg. Co., 120 Boylston, Boston, Mass.
PERFECTION ironing boards—Milford Mfg. Co., Mansfield, Ohio
PERFECTION jointer gauges—Millers Falls Co, 28 Warren, New York
PERFECTION kerosene vapor burning lamps—Ulfers-Mfg. Co., Freeport, Ill.
PERFECTION kettle ranges—Weaver & Co., New Oxford, Pa.
PERFECTION revolving ventilators—Berger Bros. Co., 229 Arch, Phila., Pa.
PERFECTION lawn mowers—Dille & McGuire Co., Richmond, Ind.
PERFECTION leaf tobacco dryers—Comas Machine Co., Salem, Va.
PERFECTION lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich
PERFECTION lubricators—Crum-Wiley Mfg. Co., Decatur, Ill.
PERFECTION lubricators—Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
PERFECTION lunch boxes—White Paper Box Co., Holyoke, Mass.
PERFECTION marine engines—Caille Perfection Motor Co., 2nd & Amsterdam, Detroit, Mich.
PERFECTION metal polish—Chemical Supply Co., 2450 Canal rd, Cleveland, Ohio
PERFECTION metal store front construction—Perfection Metal Bar Co., 3321 Lorain av, Cleveland, Ohio .
PERFECTION metals—Selby Smelting Works Co., 201 1st, San Francisco, Cal.
PERFECTION milk coolers—Lewis Mfg. Co., Cortland, N. Y.
PERFECTION mitre boxes—Union Hardware Co., Torrington, Conn.
PERFECTION molasses gates—E. I. Scoville Co., Manlius, N. Y.
PERFECTION molasses gates—John Sommer Faucet Co., 30 Morris av, Newark, N. J.
PERFECTION note book holders—Weber-Knapp Co., Jamestown, N. Y.
PERFECTION oil gates—John Sommer Faucet Co., 355 Central av, Newark, N. J.
PERFECTION oilers—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
PERFECTION oiling sets—Deverall Perfection Mfg. Co., Coney Island av & Johnson pl, Brooklyn, N. Y.
PERFECTION packing—A. W. Chesterton Co., 64 India, Boston, Mass.
PERFECTION packing—Hamilton Rubber Mfg. Co., Trenton, N. J.
PERFECTION packing, journal box waste—Franklin Mfg. Co., Franklin, Pa.

**PERFECTION** padlocks—Ames Sword Co., Chicopee, Mass.
PERFECTION paper cutters—C. F. Pease Co., 820 N. Franklin, Chicago, Ill.
**PERFECTION** paste—Michigan Paste & Mfg. Co., 711 W. Fort, Detroit, Mich.
**PERFECTION** pie plates, tinware—Richardson Mfg. Co., Bath, N. Y.
**PERFECTION** pipe clamps—F. A. Nusbaum, 219 Ruffner, Lockland, Ohio.
**PERFECTION** pipe hangers & sleeves, plates, valves, heating thermometers, gauge glasses & shade holders—Beaton & Cadwell Mfg. Co., New Britain, Conn.
**PERFECTION** piston rings—Automobile Construction & Engineering Co., 3325 Chestnut, Phila., Pa.
**PERFECTION** post hole diggers—Iwan Bros., South Bend, Ind.
**PERFECTION** post hole diggers—Seymour Mfg. Co., Seymour, Ind.
**PERFECTION** potato planters—S. H. Peek's Sons, East Aurora, N. Y.
**PERFECTION** potato & pump spray sprayers—Brandt Mfg. Co., 310 3d av, Minneapolis, Minn.
**PERFECTION** pulley covering—National Mfg. & Engineering Co., 1537 Race, Phila., Pa.
**PERFECTION** pulley covering—Pulley Facings Co., Penna. bldg, Phila., Pa.
**PERFECTION** railway track drills—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
**PERFECTION** rain water cut-offs—Klauer Mfg. Co., Dubuque, Ia.
**PERFECTION** ranges—Johnston-Slocum Co., Caro, Mich.
**PERFECTION** riding listers—Kingman Plow Co., Peoria, Ill.
**PERFECTION** rivets—Anthony Carlin Co., 2717 E. 75th, Cleveland, Ohio
**PERFECTION** spray pumps—Barnes Mfg. Co., Mansfield, Ohio.
**PERFECTION** spray pumps—Thos. Peppler, Hightown, N. J.
**PERFECTION** spring winders—Hjorth Lathe & Tool Co., 27 School, Boston, Mass.
**PERFECTION** steam engine indicators—Trill Indicator Co., Corry, Pa.
**PERFECTION** steam joint clamps—F. A. Nausbaum, 219 Ruffner, Lockland, Ohio.
**PERFECTION** steel stools—Toledo Metal Furniture Co., Toledo, Ohio.
**PERFECTION** stencil brushes—Hanlon & Goodman Co., 270 Pearl, New York.
**PERFECTION** stove pipe & elbows—Jackes-Evans Mfg. Co., Main & Tyler, St. Louis, Mo.
**PERFECTION** tallow—Consolidated Rendering Co., 40 N. Market, Boston, Mass.
**PERFECTION** tank heaters — Hunt, Helm, Ferris & Co., Harvard, Ill.
**PERFECTION** tapping devices—Brewing Appliance Specialty Co., Hartford, Conn.
PERFECTION trolley wire clamps—Virginian Electric & Machine Works, Charleston, W. Va.
**PERFECTION** tire pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
**PERFECTION** toasters—Kinne Mfg. Co., 1401 Central av, Minneapolis, Minn.
**PERFECTION** tobacco counter cutters—Wrightsville Hardware Co., Wrightsville, Pa.
**PERFECTION** tool grinders—Michigan Engine Valve Co., 115 W. Columbia, Detroit, Mich.
**PERFECTION** towel racks—Parker Wire Goods Co., Worcester, Mass.
**PERFECTION** valve & signal oils—Galena Signal Oil Co., Franklin, Pa.
**PERFECTION** vehicle washers—Ryan & Long, Appleton, Wis.
**PERFECTION** waste cans—Geo. W. Diener Mfg. Co., 400 Monticello av, Chicago, Ill.
**PERFECTION** water coolers—Perfection Cooler Co., Michigan City, Ind.
**PERFECTION** water heaters—Pompeian Mfg. Co., 2104 Superior av, Cleveland, Ohio
**PERFECTION** welding compounds—Perfection Welding Compound Co., Scranton, Pa.
**PERFECTION** wire cord & rope—Upon-Walton Co. of N. Y., 291 B'way, New York
**PERFECTION** wire rope—Upson-Watton Co., of N. Y., 291 B'way, New York
**PERFECTION** wire stitching machines—J. L. Morrison Co., Niagara Falls, N. Y.
**PERFECTION** woven wire fence stretchers—Dwiggins Wire Fence Co., Anderson, Ind.
**PERFECTION** DAKOTA grain weighers & loaders—Hart Grain Weigher Co., Peoria, Ill.
**PERFECTION** HANDY pipe hooks—Beaton & Caldwell Mfg. Co., New Britain, Conn.



**PERFECTO** air valves—E. Edelmann & Co., 341 E. Ohio, Chicago, Ill.
**PERFECTO** hack saw blades—Ross Mfg. Co., Kansas City, Mo.
**PERFECTO** lubricating oils & greases—Warren Lubricant Co., 22 Maurice, Buffalo, N. Y.
**PERFECTOL** car cleaning compounds—Modoc Co., Fernwood, Phila., Pa.
PERFEX gas igniters—Electric Goods Mfg. Co., Canton, Mass.
PERIODOGRAPH time recorders—Gisholt Machine Co., Madison, Wis.
**PERKINS** carpet sweepers, vacuum—Wilbur C. Perkins & Co., 831 N. Wood, Chicago, Ill .
**PERKINS** draw stroke trimmers—Perkins & Co., Grand Rapids, Mich.
**PERKINS** shoveling & end gate boards—Hayes Pump & Planter Co., Galva, Ill.
**PERKINS** PATTERN nail mill machinery—H. J. Millers Sons, Bridgewater, Mass.
PERLEX binoculars—American Thermo Ware Co., 16 Warren, New York.
**PERMABESTOS** packing—Crandall Packing Co., Palmyra, N. Y.
**PERMACOLOR** incandescent lamp coloring—C. E. Franche & Co., 440 Orleans, Chicago, Ill.
**PERMA-EFFECT** ground connection clamps—Paiste H. T. Co., 3201 Arch, Phila., Pa.
**PERMALIFE** storage batteries—Permalife Storage Battery Co., Indianapolis, Ind.
**PERMANERE** floor finish — Cleveland Varnish Co., 3111 E. 87th, Cleveland, Ohio
**PERMANOID** asphalt roofing—Warren Chemical & Mfg. Co., 17 Battery pl, New York.
**PERMATEX** baking enamels—Constant A. Benoit, Jerome av, New York
**PEROLIN** boiler compounds—Perolin Co. of America, 1090 W. 37th, Chicago, Ill.
**PEROO** crucible steel & welding wire—Perkins Steel Co., 143 Liberty, New York
**PERPETUAL** hay presses—J. A. Spencer, Dwight, Ill.
**PERPETUAL** metallic packing—High Speed Metallic Packing Co., 115 E. S. Water, Chicago, Ill.
**PERRY** cocks & bibbs—Federal-Huber Co., 234 N. Halstead, Chicago, Ill.
**PERRY** packing—La Favorite Rubber Mfg. Co., Hawthorne, N. J.
**PERRY** pumps—United Pump & Power Co., 182 N Dearborn, Chicago, Ill.
**PERRY** sausage stuffers—Peck, Stow & Wilcox Co., Southington, Conn.
**PERRY** sausage stuffers—Sargent & Co., New Haven, Conn.
**PERRY** side bearings — Joliet Railway Supply Co., Joliet, Ill.
**PERRY** spring tooth harrows—Massey-Harris Harvester Co., Batavia, N. Y.
**PERRY** wire scrapers—Dicke Tool Co., Downers Grove, Ill.
**PERSONS-ARTER** magnetic chucks—Persons-Arter Machine Co., Worcester, Mass.
**PERTH** gauge glasses—H. A. Rogers Co., 87 Walker, New York.
**PERU** potato diggers, walking listers & drills—Peru Plow & Wheel Co., Peru, Ill.
PERY turnstiles—Pery Mfg. Co., 30 Church, New York
**PET** fertilizer distributors—B. F. Avery & Sons, Louisville, Ky.
**PET** laundry stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
**PETERS** grease traps—Prier Brass Mfg. Co., Kansas City, Mo.
**PETERS** pivoted window hardware—Jas. Peters & Son, 1934 N. Front, Phila., Pa.
**PETERS** pumps—Peters Pump Co., Kewanee, Ill.
**PETERS** steam traps, water line governors—Steam Appliance Co. Milwaukee, Wis.
**PETERSON** textile machinery—Anker Petersen, 330 Atlantic av, Boston, Mass.
**PETERSON'S** bolting cloth cleaners—Cream City Can Works, Milwaukee, Wis.
**PETERSON'S** valve removing tools—Buffum Tool Co., South Side, Louisiana, Mo.
**PETITE** arc lamps—Western Electric Co., 500 S. Clinton, Chicago, Ill.
**PET OAK** hot blast stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
**PETREL** oil cups—Wm. Powell Co., Cincinnati, Ohio.
**PETRIFAX** waterproofing materials—Dexter Bros. Co., 105 Broad, Boston, Mass.
**PETRO** lubricating oils & greases—Swan & Finch Co., 165 B'way, New York
**PETRO** sanitary flooring—Petro Pulp Floor Co., Grand av, Temple, Kansas City, Mo.
**PETROBESTOS** sheet packing—General Asbestos Rubber Co., Charleston, S. C.

PETRO ELASTIC ashpalt cements—Standard Oil Co. of Cal., 200 Bush, San Francisco, Cal.
PETROL cold water paints & kalsomine—J. A. & W. Bird & Co., 88 Pearl, Boston, Mass.
PETROLITE packing mfrs' flange joints & sheet—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
PETROLITHIC concrete tampers — Petrolithic Pavement Co., Los Angeles, Cal.
PETROSOTE shingle stains—Ford Mfg. Co., 2339 La Salle, Chicago. Ill.
PETTERSEN & Palmquist gas analysis apparatus —Eimer & Amend, 205 3d av, New York
PETTINGILL shoe nailing machines—United Shoe Machinery Co., Boston, Mass.
PETTY automobile & carriage heaters—Progressive Mercantile & Mfg. Co., Pana, Ill.
PEXTO bit braces, auger & expansive bits, chisels & gauges, sheet metal workers' machine & tools, fencing, gas & linemen's pliers & nippers, screwdrivers, pruning shears, pipe, engineers' & mechanical wrenches—Peck, Stow & Wilcox Co., Cleveland, Ohio
PEXTO pruning shears—Peck, Stow & Wilcox Co., Southington, Conn.
PFAU closet seats—Pfau Mfg. Co., Mentor & Huston, Norwood, Cincinnati, Ohio
PFEIFFER boot calks—North & Pfeiffer Mfg. Co., Hartford, Conn.
PFLUEGER fish hooks, fishing reels, saddlery hardware—Enterprise Mfg. Co., Akron, Ohio
PHALTOID asphalt roofing—A. H. White Co., Ltd., Howard, Venus, Miro & Tanti, New Orelans, La.
PHELPS electric illuminated signs—Phelps Mfg. Co., Detroit, Mich.
PHELPS steam heaters—Phelps Bros. Co., 101 Beekman, New York
PHELPS IDEAL steam heaters—Ideal Mfg. & Supply Co., Oskaloosa, Ia.
PHENIX lubricators, oil filters, sight flow indicators —Richardson-Phenix Co., Milwaukee, Wis.
PHENIX storm sash hangers, storm doors & windows —Phenix Mfg. Co., Humboldt ave, c Center, Milwaukee, Wis.
PHENOID paint & varnish remover—Chalmers Chemical Co., 115 Chestnut, Newark, N. J.
PHENOLENE disinfectants—National Disinfecting Co., 306 E. 59th, New York
PHENOLEUM wood preservatives—Dielectric Mfg. Co., 224 S. Vandeventer av, St. Louis, Mo.
PHILA. arc light cut-outs, conduit joint wrappers, conduit sealing plugs, trolley wire splicing sleeves—Philadelphia Electrical & Mfg. Co., 1228 N. 31st, Philadelphia, Pa.
PHILA. asparagus bunchers—Johnson Mfg. Co., 103 N. Front, Phila., Pa.
PHILADELPHIA bed & furniture casters—Universal Caster & Foundry Works, 574 Ferry, Newark, N. J. See The Bassick Co., Bridgeport, Conn.
PHILADELPHIA carriage bolts, tire bolts—Upson Nut Co., Cleveland, Ohio.
PHILADELPHIA dairy apparatus—Vermont Farm Machine Co., Bellows Falls, Vt.
PHILADELPHIA grease cups—Universal Lubricator Co., 136 Chestnut, Phila., Pa.
PHILADELPHIA lawn mowers, lawn trimmers, grass catchers—Philadelphia Lawn Mower Co., 3101 Chestnut, Philadelphia, Pa.
PHILADELPHIA metal frame window screens—Continental Co., Book bldg, Detroit, Mich.
PHILADELPHIA silos—E. F. Schlichter Co., 10 S. 18th, Phila., Pa.
PHILADELPHIA slat irons—C. Cowles & Co., New Haven, Conn.
PHILADELPHIA tinners' snips—C. E. Jennings & Co., 71 Murray, New York
PHILBRICK arc lamp mast arms—Pettingell-Andrews Co., 166 Pearl, Boston, Mass.
PHILBRIN for automobiles, aeroplanes, gas & marine engines—Philips, Brinton Company, Kennett Square, Pa.
PHILICO carbon paper & typewriter ribbon—Phillips Ribbon & Carbon Co., 88 Manhattan, Rochester, N. Y.
PHILLIPS automatic dumps—Phillips Mine & Mill Supply Co., Pittsburgh, Pa.
PHILLIPS expansion bolts—Garrison Brass & Machine Works, 107 W. 13th, New York
PHILLIPS fusible plugs—Glasgow Iron Works & Supply Co., 28 West, New York
PHILLIPS hot air furnaces—Phillips Heating, Vent. & Mfg. Co., 1224 S. Figroa, Los Angeles, Cal.
PHILLIPS metal frame window screens—Continental Co., Book bldg, Detroit, Mich.
PHILLIPS sight feed lubricators—Rich Mfg. Co., 370 Atlantic av, Boston, Mass.
PHILLIPS spring hammers—Daugherty, Smith, Phillip Co., 502 W. Division, Chicago, Ill.
PHILLIPSITE tool steel—Conn. Electric Steel Co. Inc., Hartford, Conn.
PHILLIPS WORLDS axle grease—World Refining Co., Easton, Pa.
PHOENIX belting, belt dressing—New York Leather Belting Co., 465 Kent ave, Brooklyn, N. Y.
PHOENIX boiler flue cleaners—Hubbard & Co., 933 5th, Washington, D. C.
PHOENIX cement—Phoenix Portland Cement Co., Nazareth, Pa.
PHOENIX cork pullers—Arcade Mfg. Co., Freeport, Ill.
PHOENIX fire extinguishers—Missouri Lamp & Mfg. Co., 114 Elm, St. Louis, Mo.
PHOENIX fire-proof floors—Henry Maurer & Son, 420 E. 23rd, New York
PHOENIX gasoline blow torches—Decker Mfg. Co., 251 Elm, Newark, N. J.
PHOENIX horse & mule shoes—Phoenix Horse Shoe Co., Poughkeepsie, N. Y.
PHOENIX metallic window frame—S. Keighley Metal Ceiling & Mfg. Co., 124 3rd av, Pittsburgh, Pa.
PHOENIX nickel-steel wire—Electrical Alloy Co., Morristown, N. J.
PHOENIX oil cups—Wm. Powell Co., Cincinnati, Ohio
PHOENIX packing—Crandall Packing Co., Palmyra, N. Y.
PHOENIX packing—H. Johnson Co., Ft. Gates av, Jersey City, N. J.
PHOENIX porcelain plumbing supplies—General Ceramics Co., 50 Church, New York
PHOENIX packing, cotton & rubber hose—Boston Belting Corp., 84 Linden Park, Boston, Mass.
PHOENIX saw swages—Phoenix Mfg. Co., Eau Claire, Wis.
PHOENIX saw vises—Phoenix Hardware Co., Buffalo, N Y.
PHOENIX tool steel for general die work—Hammond Steel Co., Inc., Syracuse, N. Y.
PHOENIX valve & service boxes—Central Foundry Co., 90 West, New York
PHOENIX BULL DOG steel toe-calks—Phoenix Horse Shoe Co., 209 S. La Salle, Chicago, Ill.
PHONEDOSCOPE trouble finders—G. P. Pilling & Son Co., 23rd. & Arch, Phila., Pa.
PHONE-EZE desk telephone brackets—Fox-Borden Mfg. Co., P. O. Box, 103, Station A., Hartford, Conn.
PHONO-ELECTRIC trolley wire—Bridgeport Brass Co., Bridgeport, Conn.
PHONOPOISE desk telephone brackets—K. & B. Co., 497 N. 3rd, Phila., Pa.
PHOSPO chemical engine hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
PHOTOSTAT photographic copying machines—Commercial Camera Co., Rochester, N. Y.
PIANOLITE electric & gas light fixtures—Franks Mfg. Co., Rock Island, Ill.
PICADURA tobacco scrap cutting machines—Miller, Du Brul & Peters Mfg. Co., 507 E. Pearl, Cincinnati, Ohio
PICHE evaporometers—Henry J. Green, 1191 Bedford ave, Brooklyn, N. Y.
PICHER red lead; litharge—The Eagle Picher Lead Co., 208 S. La Salle, Chicago, Ill.
PICKET oil cups—Wm. Powell Co., Cincinnati, Ohio
PICOLO benzine soldering iron—Globe Gas Light Co., 25 Union, Boston, Mass.
PIERCE'S commode pails—Northwestern Stamping Co., Burlington, Ia.
PIERCE steam heaters, hot water radiators—Pierce, Butler Co., 437 E. 162nd, New York
PIERESCO wall finish—F. O. Pierce Co., 30 Tiffany pl, Brooklyn, N. Y.
PIERSEN telegraph transmitters—Piersen Mfg. Co., Topeka, Kan.
PIKE'S Peak cement—Colorado Portland Cement Co., Denver, Colo.
PILABRASCO fire extinguishers—Pittsburgh Lamp Brass & Glass Co., Liverpool & River, Pittsburgh, Pa.
PILGRIM belting—B. F. Goodrich Co., Akron, Ohio.
PILGRIM oil cups—Wm. Powell Co., Cincinnati, Ohio
PILGRIM packing—Mulconroy Co., 54th & Jefferson, Philadelphia, Pa.
PILLEY flue brushes—Pilley Flue Brush Co., 604 S. 3rd, St. Louis, Mo.
PILLIOD tool cases—Pilliod Lumber Co., Swanton, Ohio
PILOT acetylene gas machines—Oxweld Acetylene Co., 640 Frelinghusen av, Newark, N. J.
PILOT gate valves—Wm. Powell Co., Cincinnati, Ohio
PILOT marine engines—Trump Bros. Machine Co., Beech & Anchorage, Wilmington, Del.

PILOT plows—South Bend Chilled Plow Co., South Bend, Ind.
PILOT stalk cutter attachments—Hartman Mfg. Co., Vincennes, Ind.
PINATINE turpentine substitute—Wm. T. Baker, 224 Suydam av, Jersey City, N. J.
PINEO saw guides—New Britain Machine Co., 190 Chestnut, New Britain, Conn.
PIN-E-OLA disinfectants—Alcatraz Co. Inc., 3200 Williamsburg av, Richmond, Va.
PINEOSOTE pine oils, rosin, wood cresote—Forest Products Co., 1212 Whitney, New Orleans, La.
PINE TREE turpentine—Thomas Sealy, 138 Front, New York
PINGREE potato planters—Potato Implement Co., Traverse City, Mich.
PINNACLE belting, tank balls—B. F. Goodrich Co., Akron, Ohio
PINNACLE cylinder oil—Texas Company, 17 Battery pl, New York
PINNACLE oil cups—Wm. Powell Co., Cincinnati, Ohio
PINOLEUM disinfectants— Hookwald Chemical Co., 531 Howard, San Fransisco, Cal.
PINOSOL disinfectants—Brewer & Co., Worcester, Mass.
PINTITE rigid shafting coupling—Penn Fdry. Co., Troy, Pa.
PINTSCH car lighting apparatus gas buoys—Safety Car Heating & Lighting Co., 2 Rector, New York
PINTSCH digesters—International Process Co., 5 Beekman, New York
PIONEER acid valves—Pioneer Alloy Products Co. Inc., 16601 Euclid av, Cleveland, Ohio
PIONEER baled shavings—Oscar Smith & Son, Albany, N. Y.
PIONEER bow sockets & carriage joints—Brewer-Litchener Corp., Cortland, N. Y.
PIONEER canned goods—Otoe Food Products Co., Nebraska City, Nebr.
PIONEER carbon paper—Crown Ribbon & Carbon Mfg. Co., Rochester, N. Y.
PIONEER children's vehicles & push carts—Gendron Wheel Co., Toledo, Ohio
PIONEER curtain fasteners, auto stamping, bow sockets & top joints—Crandall, Stone Division, The Brewer-Titchener Corp., Binghamton, N. Y.
PIONEER clay working machy—Taplin-Rice-Clerkin Co., Akron, Ohio
PIONEER drag line scraper & dredging & excavating buckets—Mansfield Engineering Co., 1100 Burdsal pkway, Indianapolis, Ind.
PIONEER expansion joints—Pioneer Asphalt Co., Lawrenceville, Ill.
PIONEER farm wagons—Smith Mfg. Co., La Crosse, Wis.
PIONEER flint paper—Wausaw Abrasive Co., 118 S. Clinton, Chicago, Ill.
PIONEER hardwood doors—W. D. Crooks & Sons, Williamsport, Pa.
PIONEER incandescent renewed lamps—Consolidated Electric Lamp Co., Danvers, Mass.
PIONEER lubricating oils & greases—Cornplanter Lubricating & Oil Co., ft. Drake, St. Paul, Minn.
PIONEER metal polish—National Rubber & Specialties Co., Winton pl, Cincinnati, Ohio
PIONEER metal polish, carriage top dressing, valve grinding compounds—Northwestern Chemical Co., Marietta, Ohio
PIONEER molding sander machines—Austin & Eddy, 117 Broad, Boston, Mass.
PIONEER mortise blind hinges—Wrightsville Hardware Co., Wrightsville, Pa.
PIONEER packing—Cancas Mfg. Co., Garden & Bridge, Phila., Pa.
PIONEER oil cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
PIONEER packing, rubber hose—Goodyear Rubber Co. & Rubber Clothing Co., 787 Broadway, New York.
PIONEER padlocks—Slaymaker Lock Co., Lancaster, Pa.
PIONEER pig iron—Republic Iron & Steel Co., Youngstown, Ohio
PIONEER pig iron—Cleveland Cliffs Iron Co., Rockefeller bldg, Cleveland, Ohio
PIONEER post hole diggers—F. E. Kohler Co., Canton, Ohio
PIONEER rubber buckets—National India Rubber Co., Bristol, R. I.
PIONEER screw drivers—W. A. Ives Mfg. Co., Wallingford, Conn.
PIONEER telephone receivers—Automatic Electric Co., 1001 W. Vanburen, Chicago, Ill.
PIONEER twist drill—Lincoln Twist Drill Co., Taunton, Mass.
PIONEER white & red lead—W. P. Fuller & Co., 301 Mission, San Francisco, Cal.



PIONEER-AMERICAN sheep shearing machines—Oscar Goes & Co., 1822 W. Lake, Chicago, Ill.
PIPE DREAM stove pipe enamels—Rath Mfg. Co., Hedley & Richman, Phila., Pa.
PIQUA rotary & positive pressure blowers—Piqua Blower Co., Piqua, Ohio
PIQUA shelf brackets—Piqua Bracket Co., Piqua, Ohio
PIRSCH fire hose shut off—Peter Pirsch & Co., Kenosha, Wis.
PITCHER door hangers—National Mill & Lumber Co., 5th & Bryant, San Francisco, Cal.
PITMAN lever shears—Youngstown Foundry & Machine Co., Youngstown, Ohio
PITMAN DRIVE corn & cotton planting drills—J. I. Case Plow Wks., Racine, Wis.
PITNER tire air pumps—Sunderland Mfg. Co., 600 W. 22d, Chicago, Ill.
PITNEY shutter workers—Quincy Foundry & Novelty Co., Quincy, Ill.
PITOT tube water meters—Simplex Valve & Meter Co., 110 N. Broad, Phila., Pa.
PITT car couplers—McConway & Torley Co., 48th & A. V. R. R., Pittsburgh, Pa.
PITT unions—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
PITT-BOSTWICK folding gates—Wm. R. Pitt Composite Iron Works, 221 W. 26th, New York
PITTCOAL steam heaters—Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
PITTS sweep horse powers—Cehl Bros. Mfg. Co., West Bend, Wis.
PITTSBURG feed water heaters—Elliot Co., Frick bldg, Pittsburgh, Pa.
PITTSBURGH anti-freezing water closets—Pittsburgh Brass Mfg. Co., Penn & 32nd, Pittsburgh, Pa.
PITTSBURGH blow-off valves, gauge cocks, gauges, exhaust heads, steam separators, gas valves, coke scraper heads, safety water columns & alarms—Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
PITTSBURGH brake handle—Dayton Mfg. Co., Dayton, Ohio
PITTSBURGH cast iron cleanouts, union elbows, gate valves, steam traps—Pittsburgh Valve & Fittings Co., Pittsburgh, Pa.
PITTSBURGH drop hammers—United Engineering & Fdry Co., Keenan bldg, Pittsburgh, Pa.
PITTSBURGH grate bars—Rosedale Foundry & Machine Co., Columbus & Preble, Pittsburgh, Pa.
PITTSBURGH incandescent gas burners—Hipwell Mfg. Co., 831 W. North av, Pittsburgh, Pa.
PITTSBURGH insulator pins, trolley street poles—Valley Forging Co., Verona, Pa.
PITTSBURGH lock mortising machines—Pittsburgh Instrument & Machine Co., 236 3rd av, Pittsburgh Pa.
PITTSBURGH pneumatic tool lubricators—A. M. Carrom & Co., Pittsburgh, Pa.
PITTSBURGH tube expanders—Ajax Mfg. Co., N. S. Pittsburgh, Pa.
PITTSBURGH wall ties—McDowell Mfg. Co., Stanton av, Pittsburgh, Pa.
PITTSBURGH water heaters—Pittsburgh Water Heater Co., Jenkins bldg, Pittsburgh, Pa.
PITTSBURGH PERFECT nails & wire products—Pittsburgh Steel Co., 5th av & Grant, Pittsburgh, Pa.
PITTSFIELD spark coils—Pittsfield Spark Coil Co., Pittsfield, Mass.
PITTSTON stoves—Pittston Stove Co., Pittston, Pa.
PLANERS OF WOODS, cutter heads, grinders, planing, wood working, box making, shipbuilding & sawmill machinery—S. A. Woods' Machine Co., 27 Damrell, Boston, 27, Mass.
PLANET marine gears—Marine Mfg. & Supply Co., 158 South, New York
PLANET oil cups—Wm. Powell Co., Cincinnati, Ohio
PLANET safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
PLANET, Jr., cultivators, cultivator shovels, cultivator teeth, fertilizer drills, harrows & pulverizers, garden seeders, sowers & weeders, planters, potato diggers—S. L. Allen & Co., 5th & Glenwood, Phila., Pa.
PLANSIFTER flour sifters—Barnard & Leas Mfg. Co., Moline, Ill.
PLANTATION feed cutters—Silver Mfg. Co., No. 256, Salem, Ohio
PLANTERS GEM cart sprayer—Deming Co., Salem, Ohio
PLANTERS' TRACTOR cart sprayer—Deming Co., Salem, Ohio
PLASTELINE modeling clays—Stewart & Co., 24 Broadway, New York

PLASTERITE damp course—Vulcanite Roofing Co., 16th & Texas, San Francisco, Cal.
PLASTIC roofing cements—Republic Paint & Lead Works, 5716 Euclid av, Cleveland, Ohio
PLASTIC TOCKOLITH marine paints—Toch Bros., 320 5th av, New York
PLASTIC waterproofing materials—Flintkote Co., 88 Pearl, Boston, Mass.
PLASTOMETER rubber testing machines—Pusey & Jones Co., ft. Poplar, Wilmington, Del.
PLASTONE sanitary flooring & drainboards—Plastone Co., Los Angeles, Cal.
PLATA babbitt metal, journal bearings—Atkinson Co., Rochester N. Y.
PLATINOID imitation platinum—Manhattan Dental Co., Times bldg, New York
PLATT cotton openers, wool finishing machines—Leigh & Butler, 232 Summer, Boston, Mass.
PLATTNER mowers, hand carts—Plattner Yale Mfg. Co., Lincoln, Nebr.
PLATT'S carding engines, cotton combs, mules—Leigh & Butler, 232 Summer, Boston, Mass.
PLAYFORD mechanical stokers—Rosedale Foundry & Machine Co., Columbus & Preble, Pittsburgh, Pa.
PLOMO belt dressing—Plomo Specialty Mfg. Co., Belmont bldg, Cleveland, Ohio
PLOVER duck decoys—William Read & Sons, 364 Washington, Boston, Mass.
PLOVER rubber hose—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
PLOW BOY back hand buckles—Stanley Works, New Britain, Conn.
PLUMBERS' FRIEND pumps—Wolverine Brass Works, Grand Rapids, Mich.
PLOW MAN gasoline tractors—Interstate Tractor Co., Waterloo, Ia.
PLUMMER steam heaters—Putnam Foundry & Machine Co., Putnam, Conn.
PLUMWOOD metallic shades—Plume & Atwood Mfg. Co., Waterbury, Conn.
PLUNKET drilling & milling machine vises—James E. Plunket, 1345 W. Lake, Chicago, Ill.
PLURALITY bolt cutting machines—Mummert, Dixon Co., Hanover, Pa.
PLUTO oil cups—Wm. Powell Co., Cincinnati, Ohio
PLUVIOL carriage top dressing—Viscol Co., Cambridge, Mass.
PLUVIUS lawn sprinklers & garden hose—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
PLUVIUS water closets—Central Metal & Supply Co., 611 E. Lombard, Baltimore, Md.
PLYMOUTH belting—Boston Woven Hose & Rubber Co., Cambridge, Mass.
PLYMOUTH gasoline locomotives—Fate-Root-Heath Co., Plymouth, Ohio
PLYMOUTH shoe lasts & stands—Fate-Root-Heath Co., Plymouth, Ohio
PLYMOUTH grain drills, rice planting drills—Wm. Fetzer Co., Springfield, Ill.
PLYMOUTH wall plaster—Plymouth Gypsum Co., Fort Dodge, Ia.
PLYMOUTH ROCK cobblers' outfits & hand riveting machines—Fate-Root-Heath Co., Plymouth, Ohio
PNEU-vent air valves—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162nd, New York
PNEUMATIC recording pyrometers—Uehling Inst. Co., 71 B'way, New York
PNEUMATIC revolution counters—McNab Co., Bridgeport, Conn.
PNEUMELECTRIC coal punchers—Pneumelectric Machine Co., Syracuse, N. Y.
PNEUOXYUM pneumatic tool lubricants—O. F. Zurn Co., Broad & Lehigh, Phila., Pa.
POAGE'S railroad water columns & cranes—American Valve & Meter Co., Cincinnati, Ohio
POCAHONTAS coke—Flat-top Fuel Co., Bluefield, W. Va.
POCO printers' proof presses—Premier & Potter Printing Press Mfg. Co., Shelton, Conn.
POCOMOKE air drill hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
POCONO stoves—Pittston Stove Co., Pittston, Pa.
PODEROSO sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
POHLE pneumatic lifts, return air pumps—Ingersoll Rand Co., 11 Broadway, New York
POIDOMETER automatic weighing machines—Schaffer Eng. & Equipment Co., People's Bank bldg, Pittsburgh, Pa.
POINTER oil cups—Wm. Powell Co., Cincinnati, Ohio
POINTER RANGE boilers—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
POKE porcelain insulators—Colonial Sign & Insulator Co., Akron, Ohio
POKE BONNET window reflectors—Curtis-Leger Fixture Co., 235 W. Jackson blvd, Chicago, Ill.
POLACK rubber tires—Polack Tyre & Rubber Co., 1876 Broadway, New York
POLAR belt dressing—Geo. W. Southwick Co., Stamford, Conn.
POLAR refrigerators—Heinz & Munschauer, Buffalo, N. Y.
POLAR BRAND cuspidors, fry pans & kitchen enameled ware—Porcelain Enameling Assn. of America, Sheboygan, Wis.
POLAR CUB electric portable fans—A. C. Gilbert Co., New Haven, Conn.
POLARINE lubricating oils & greases—Standard oil Co. of N. J., 26 Broadway, New York
POLARIS oil cups—Wm. Powell Co., Cincinnati, Ohio
POLISHINE metal polish—Cleaner Mfg. Co., 2842 Olive, St. Louis, Mo.
POLLYWOG scrubbing brushes—Standard brush Co., New Hartford, Conn.
POLO harness snaps—Covert Mfg. Co., Troy, N. Y.
POLSON auxiliary automobile seats—Polson Mfg. Co., Buffalo, N. Y.
POLYGON concrete mixers, gasoline hoists—Waterloo Cement Machinery Corp., Waterloo, Ia.
POLYSCOPE moving picture machines—Selig Polyscope Co., 3901 N. Western av, Chicago, Ill.
POMEROY fire-proof window—S. H. Pomeroy Co., 282 E. 134th, New York
POMONA barrel spray pumps—Goulds Mfg. Co., 71 W. Fall, Seneca Falls, N. Y.
POMPEIIAN bronzed wire cloth—Wickwire Spencer Steel Corp., Worcester, Mass.
POMPTON high carbon steel—Ludlum Steel Co., Watervliet, N. Y.
POND continuous steel sash—David Lupton's Sons Co., Allegheny ave & Tulip, Phila., Pa.
PONDALLOY engine pistons—Pondelick Bros., Chicago, Ill.
PONOLITH—the highest grade lithophone—The Krebs Pigment & Chemical Co., Newport, Del.
PONOLITH lithopone—Heller & Merz Co., 503 Hudson, New York
PONTAR road, refined & dehydrated tar—Du Pont Chemical Works, Wilmington, Del.
PONTIAC rubber hose—National India Rubber Co., Bristol, R. I.
PONTIUS PURE sealing wax—Dicks-Pontius Co., Dayton, Ohio
PONTOP rubber top materials—Du Pont Fabrikoid Co., Wilmington, Del.
PONY clamp screws—Adjustable Clamp Co., 216 N. Jefferson, Chicago, Ill.
PONY feed cutters—Silver Mfg. Co., No. 256, Salem, Ohio
PONY hand riveting machines—F. H. Smith Mfg. Co., 3047 Carroll ave, Chicago, Ill.
PONY horse lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
POOR MAN'S FRIEND incubators & brooders—Geo Ertel Co, Quincy, Ill.
POPE motor cycles—Pope Mfg. Co., Hartford, Conn.
POPE-HARTFORD motor fire engines—Pope Mfg. Co., Hartford, Conn.
POPE'S farriers' knives—T. J. Pope Saugoit, N. Y.
POPPY rubber hose—Pioneer Rubber Mills, San Francisco, Cal.
POPULAR cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
POPULAR oil & grease cups—Wm. Powell Co., Cincinnati, Ohio
POPULAR porch columns—Cleveland Column Co., 1826 Columbus rd, Cleveland, Ohio
POPULAR snow shovels—B. W. Aldrich & Co. Wallingford, Vt.
POPULAR twine holders—New York Roll Wrapping Paper Co., 84 Beekman, New York
PORCELAIN enameled blotting paper—Wrenn Paper Co., Middletown, Ohio
PORCELAVA insulating material—Burgess & Co., East Liverpool, Ohio
PORCELIRON table tops, refrigerator lining & parts for ranges—Ingram-Richardson Mfg. Co., Beaver Falls, Pa.
PORCELITE enamel paints—Thomson Wood Finishing Co., 329 N. 3rd, Phila., Pa.
PORCELOID closet seats—Sanitary Specialty Co., 1836 E. Clearfield, Phila., Pa.
PORCUPINE road scarifiers—Universal Road Machinery Co., Kingston, N. Y.
PORSLYN brushes—Alpha brush Co., Troy, N. Y.
PORTABLE electric & hand power die sinkers outfits—Coates Clipper Mfg. Co., Worcester, Mass.
PORTAGE rubber tires—Portage Rubber Co., Akron, Ohio
PORTEOUS babbitt metal, journal bearings—Edna Brass Mfg. Co., Cincinnati, Ohio
PORTER barn door hangers, hay carriers, hay fork pulleys, never-slip wagon jacks—J. E. Porter Co., Ottawa, Ill.

PORTER battery motors—Davis Kendrick Co., Lebanon, N. H.
PORTER belt clamps—Hoggson & Pettis Mfg. Co., New Haven, Conn.
PORTER car derailers—Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, Ohio
PORTER—carriage axles—Lee & Porter Buchanan, Mich.
PORTER cutter heads, pattern maker's lathes & buzz planing machines—C. O. Porter Machinery Co., Grand Rapids, Mich.
PORTER metal frame window screens—Continental Co., Book bldg, Detroit, Mich.
PORTER safety seals—Porter Safety Seal Co., 163 W. Harrison, Chicago, Ill.
PORTER'S shoe rest—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
PORT HURON road scarifiers, traction engines—Port Huron Engine & Thresher Co., Port Huron, Mich.
PORTLAND automobile turntables—Portland Garage Co., Portland, Me.
PORTLAND case hardening compounds—Rogers & Hubbard Co., Middletown, Conn.
PORTLAND paper punching machinery—Southworth Machine Co., Portland, Me.
PORTLAND safety cargo hooks—Thos. Laughlin Co., Portland, Ore.
PORTLAND slime filters & filter presses—Colorado Iron Works Co., Denver, Colo.
PORTO metal garage—Milwaukee Corrugating Co., Milwaukee, Wis.
PORTSMOUTH IRON roll tin valves & steel ingots—Whitaker, Glessner Co., Wheeling, W. Va.
POSITIVE barn door latches—Frantz Mfg. Co., Sterling, Ill.
POSITIVE candle lubricators—Wm. J. Faul Co., 137 Front, New York
POSITIVE grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
POSITIVE hot water heaters—Monitor Steam Generator Co., 152 N. 6th, Phila., Pa.
POSITIVE lock washers—Riverside Steel Spring Co., Riverside, N. J.
POSITIVE tire vulcanizers—Midland Supply Co., Davenport, Ia.
POSITIVE AUTOMATIC ventilators—J. D. Gerken Co., Toledo, Ohio
POSITIVE SEAL waterproofing materials—Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
POST'S valve discs—E. L. Post & Co., 50 Cliff, New York
POST'S ZERO babbitt metal—E. L. Post & Co., 50 Cliff, New York
POTENTIAL transformers—Western Electric Co., 463 West, New York
POTENTIOSTAT transformers—U. S. E. M. Co., 505 W. 42d, New York
POTOMAC cover paper—District of Columbia Paper Mfg. Co., 3255 K N W., Washington, D. C.
POTOMAC reclaimed rubber—Nearpara Rubber Co., Trenton, N. J.
POTOMAC A. reclaimed rubber—Nearpara Rubber Co., Trenton, N. J.
POTTER basting spoons, cake turners, mincing knives—Potter Mfg. Co., Geneva, Ohio
POTTER belt fasteners—Jewell Belting Co., Hartford, Conn.
POTTER printers' proof presses—Premier & Potter Printing Press Mfg. Co., Shelton, Conn.
POTTER proof press—Hacker Mfg. Co., 312 N. May, Chicago, Ill.
POTTS cellar doors—Potts Mfg. Co., Mechanicsburg, Pa.
POTTS sad irons—Am Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
POTTSTOWN corn shellers—Ellis Keystone Agricultural Works, Pottstown, Pa.
POUCH cigarette packing machines—American Machine & Foundry Co., 5520 2d av, Brooklyn, N. Y.
POWELL blow-off, butterfly & hydraulic valves, blow-guns, brass oil cups, oil gauges, valve reseating tools, wrenches—Wm. Powell Co., Cincinnati, Ohio
POWELL miners squibs—John R. Powell, Plymouth, Pa.
POWELL PATENT GUARD steam cocks—Wm. Powell Co., Cincinnati, Ohio
POWELL WHITE STAR valves—Wm. Powell Co., Cincinnati, Ohio
POWER belting, packing—Voorhees Rubber Mfg. Co., 18 Bostwick av., Jersey City, N. J.
POWER dry batteries—Union Battery Co., Belleville, N. J.
POWER feed mills—C. S. Bell, Hillsboro, Ohio
POWER fruit & vegetable parers—Goodell Co., Antrim, N. H.



POWERFUL oil well belting—Republic Rubber Co., Youngstown, Ohio
POWERS arc light cut-outs—Troy Electrical Co., Troy, N. Y.
POWERS automobile oil soap—E. A. Buck Co., Worcester, Mass.
POWERS mitering & cutting machines for painters—Triumph Mfg. Co., 500 Delaware, Kansas City, Mo.
POWERS revolving chimney tops—Williams Hardware Co., Streator, Ill.
POWERS rubber horse shoes—Powers Rubber Horseshoe Co., 224 W. Huron, Chicago, Ill.
POWERS wagon jacks—Millers Falls Co., 28 Warren, New York
POWER SAVER pulley covering—Kinkead Mfg. Co., 45 High, Boston, Mass.
POWHATTAN belt dressing—Smith-Courtney Co., Richmond, Va.
PRACTICAL cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
PRACTICAL fibrous packing—Pittsburgh Steam Packing Co., 210 Second av, Pittsburgh, Pa.
PRACTICAL kitchen sets—American Cutlery Co., 764 Mather, Chicago, Ill.
PRAHM railway signal flags—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
PRAIRIE clover bunchers—American Buncher Mfg. Co., Oliver & Harding, Indianapolis, Ind.
PRAIRIE QUEEN hay carriers—J. E. Porter Co., Ottawa, Ill.
PRAIRY suction hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
PRANG paints, water color, toy & school—American Crayon Co., 1300 Hayes av, Sandusky, Ohio, & Waltham, Mass.
PRATICOOL drinking fountains—Glauber Brass Mfg. Mfg. Co., 49th & Superior, Cleveland, Ohio
PRATT belt shifters—Chandler & Farquhar Co., 36 Federal, Boston, Mass.
PRATT box car loaders & ballast cleaners—Link-Belt Co., 329 W. 39th, Chicago, Ill.
PRATT cotton ginning machinery—Continental Gin Co., Birmingham, Ala.
PRATT plow clevises & husking pins—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
PRATT steam traps—Pratt & Cady Co., Hartford, Conn.
PRATT vacuum pumps—C. H. Wheeler Mfg. Co., Lehigh av & N. 18th, Phila., Pa.
PRATT-DUMAS filter paper—E. Fougera & Co., 90 Beekman, New York
PRATT'S HANDY harness hooks—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
PRECISE graduating valves—Haynes-Thompson Co., 2107 Vine, Phila., Pa.
PRECISE levels—Bausch & Lomb Optical Co., Rochester, N. Y.
PRECISION coil presses, armature & field coil winding machines—Oliver Electric & Mfg. Co., 4221 Forest pk, St. Louis, Mo.
PRECISION gas recording calorimeters & combustion recorders—Precision Instrument Co., 21 Halsey, Newark, N. J.
PREMAX hame chains, key chains & other chains, special dog couplers—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
PREMIER annunciators—Stanley & Patterson, 23 Murray, New York
PREMIER car seals—Dickey Mfg. Co., Indiana Harbor, Ind.
PREMIER curtain fasteners—Crandal, Stone Division, The Brewer-Titchener Corp., Binghamton, N. Y.
PREMIER cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
PREMIER coffee & spice mills—Wrightsville Hardware Co., Wrightsville, Pa.
PREMIER convertible folding invalid & reclining chairs—Premier Chair Corp., 36 Bromfield, Boston, Mass.
PREMIER electric bells—Manhattan Electrical Supply Co., 17 Park pl., New York
PREMIER garden hose—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
PREMIER inserted tooth saws—Henry Disston & Sons, Tacony, Phila., Pa.
PREMIER kerosene lamp burners—Wheeling Stamping Co., Wheeling, W. Va.
PREMIER lawn mowers—American Lawn Mower Co., Muncie, Ind.
PREMIER lawn mowers—S. P. Townsend & Co., Orange, N. J.
PREMIER lawn swings—Western Paper & Mfg. Co., Dayton, Ohio
PREMIER lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.

PREMIER lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
PREMIER numbering machines—R. A. Stewart & Co., 201 Broadway, New York
PREMIER screw drivers—Cassady, Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
PREMIER screw pitch gauges, spring calipers & dividers—Athol Machine Co., Athol, Mass.
PREMIER self-locking car seals—Dickey Mfg. Co., Indiana Harbor, Ind.
PREMIER sleeve wire connectors—Bryant Zinc Co., 600 Orleans, Chicago, Ill.
PREMIER spray pumps—Goulds Mfg. Co., 71 W. Fall, Seneca Falls, N. Y.
PREMIER spring hinges—Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
PREMIER steam & hot water heaters—American Radiator Co., 830 S. Michigan av, Chicago, Ill.
PREMIER walking & riding cultivators—Kingman Plow Co., Peoria, Ill.
PREMIER water meters—National Meter Co., 299 Broadway, New York
PREMIUM card & paper cutters—American Specialty Co., Bridgeport, Conn.
PREMIUM oil & grease cups—H. B. Sherman Mfg. Co., Battle Creek, Mich.
PREMIUM road machines & graders—Galion Iron Works & Mfg. Co., Galion, Ohio
PREMIUM whiffletree hooks—Giblin & Co., Utica, N. Y.
PREMO cameras—Eastman Kodak Co., Rochester, N. Y.
PREMO gas stoves—Eclipse Stove Co., Mansfield, Ohio
PREMO LINK chains—Oneida Chain Co., Oneida, N. Y.
PRENTICE anti-rail creepers—Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, Ohio
PRENTICE wood bits—Union Twist Drill Co., Athol, Mass.
PRENTISS pipe & bench vises—Prentiss Vise Co., 110 Lafayette, New York
PRESCOTT plasters' steel corner beads—J. B. Prescott & Son, Webster, Mass.
PRESERVO waterproofing materials—Robeson Preservo Products Co., Port Huron, Mich.
PRESIDENT carbonators—S. Twitchell Co., 223 Vine, Phila., Pa.
PRESSURE proof packing—A. W. Chesterton Co., 64 India, Boston, Mass.
PRESSURITE automobile gauges—Improved Gauge Mfg. Co., 105 Canal, Syracuse, N. Y.
PRESTEEL automobile frames—Detroit Pressed Steel Co., 1800 Mt. Elliott av, Detroit, Mich.
PRESTEEL automobile handles—Federal Stamping Co., Holland, Mich.
PRESTEEL brake drums—Worcester Pressed Steel Co., Worcester, Mass.
PRESTEEL waste paper baling presses—Midland Supply Co., Davenport, Iowa
PRESTO automobile engine starters—W. Roberson Machine & Foundry Co., 56 Rano, Buffalo, N. Y.
PREST-O carbon removers—Prest-o-Lite Co., Indianapolis, Ind.
PRESTO carriage top dressing—Fiebling Chemical Co., 240 Reed, Milwaukee, Wis.
PRESTO cigar lighters, electric battery hand lamps—Metal Specialties Mfg. Co., 338 N. Kedzie av, Chicago, Ill.
PRESTO coasting sleds—Kalamazoo Sled Co., Kalamazoo, Mich.
PREST-O cutlery polish—Black Cat Polish Co., 34 Washington, Buffalo, N. Y.
PRESTO dash lamps, electric connectors, sockets, plugs, switches, cigar lighters, inspection lamps, body braces, electric heaters for autos, also bicycle lamps & electric hand lamps—Metal Specialties Mfg. Co., 338 N. Kedzie av, Chicago, Ill.
PRESTO drill & tapping chucks—Whitney Mfg. Co., Hartford, Conn.
PRESTO paper clips—Anthony Eisler & Co., 227 Canal, New York
PRESTO razor strop hooks—C. A. Peck H'dwe Co., Berlin, Wis.
PRESTO transformer covering radiators—Pressed Metal Radiator Co., Oliver bldg, Pittsburgh, Pa.
PRESTO twist drill collets—Whitney Mfg. Co., Hartford, Conn.
PREST-O-GRIP tractors chains—Rowe Calk & Chain Co., Plantsville, Conn.
PREST-O-LITE automobile headlights, oxy-acetylene welding outfits—Prest-O Lite Co., Speedway, Indianapolis, Ind.
PRESTOMETER a liquid gauge—Coats Mach. Tool Co., 110 W. 40th, New York
PRESTON lawn sprinklers, W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
PRESTON'S carpet beaters—Hollow Cable Mfg. Co., Hornell, N. Y.
PRESTOSHINE metal polish—W. S. Sheppard, 21 Lawrence, Newark, N. J.
PRESTWICH fluid thickness gauge—Coats Machine Tool Co., 110 W. 40th, New York
PRIBNOW saw swages—Pribnow Swage & Tool Works, Mellen, Wis.
PRICE current meters—W. & L. E. Gurley, Troy, N. Y.
PRICE fireproofing compounds, waterproofing materials—Price Fire & Waterproofing Co., Poughkeepsie, N. Y.
PRICE-RATHBUN stationary marine oil engines—Rathburn-Jones Engineering Co., 841 Spencer, Toledo, Ohio
PRIDE OF ST. LOUIS farm wagons—Linstroth Wagon Co., 2616 Chouteau av, St. Louis, Mo.
PRIDE OF THE BAR metal polish—J. C. Paul & Co., 930 Roscoe, Chicago, Ill.
PRIDE STANDARD nut crackers & picks—Cassady, Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
PRIER basin cocks, roof flashings—Prier Brass Mfg. Co., Kansas City, Mo.
PRIESTMAN pneumatic electric sewage ejectors, bilge pumps, stationary screens—Merritt Hydraulic Co., 110 N. Broad, Philadelphia, Pa.
PRIESTMAN sewage ejectors—Albert Priestman, 328 Chestnut, Philadelphia, Pa.
PRIEST'S horse clippers, sheep shearing machines—American Shearer Mfg. Co., Nashua, N. H.
PRIMA electric clothes washing machines—Buckeye Churn Co., Sidney, Ohio
PRIME natural color waste—Estes Mills, Fall River, Mass.
PRIME WESTERN spelter—New Jersey Zinc Co., 160 Front, New York
PRIMM crude oil engines—Power Mfg. Co., Marion, Ohio
PRIMO belt dressing & belt cements—Druid Oak Belting Co., 111 E. Lombard, Baltimore, Md.
PRIMO gasoline lighting systems—Primo Light & Mfg. Co., 3849 Olive
PRIMO grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
PRIMROSE closet seats—Wm. S. Emery, 118 E. 28th, New York
PRIMROSE garden trowels—N. Y. Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
PRIMROSE lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
PRIMUS card tables—E. T. Burrowes Co., Portland, Me.
PRIMUS lubricating oils & greases—Penn. Petroleum & Supply Co., 115 N. 2nd, Philadelphia, Pa.
PRINCE clothes washing machines—Reading Wood Pulley Co., Reading, Pa.
PRINCE fly swatters—U. S. Wire Mat Co., Decatur, Ill.
PRINCELY water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
PRINCESS artificial stone laundry tubs—Chicago Granitine Mfg. Co., 3619 Wall, Chicago, Ill.
PRINCESS cover paper—C. H. Dexter & Sons, Windsor Locks, Conn.
PRINCESS electric irons—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
PRINCESS electric sad irons—Chicago Flexible Shaft Co., 5600 W. 12th, Chicago, Ill.
PRINCESS fly swatters—U. S. Wire Mat Co., Decatur, Ill.
PRINCESS gasoline lighting systems—Allen-Sparkes Gas Light Co., Lansing, Mich.
PRINCESS hand vacuum cleaners—Suction System Cleaning Co., Sidney, Ohio
PRINCESS radiators—H. B. Smith Co., Westfield, Mass.
PRINCESS pig iron—Princess Iron Corp., Glen Wilton, Va.
PRINCESS scythe snaths—Seymour Mfg. Co., Seymour, Ind.
PRINCESS steel ranges—Allen Mfg. Co., Nashville, Tenn.
PRINCESS stoves—Fox Furnace Co., Elyria, Ohio
PRINCESS washing machines—Princess Wash Mach. Mfg. Co., 433 E. Pearl, Cincinnati, Ohio
PRINCESS WALL hot water radiators—H. B. Smith Co., Westfield, Mass.
PRINCETON fire hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
PRINCO sphygmomanometer—Precision Thermometer & Instrument Co., 1434 Brandywine, Phila, Pa.
PRINCO surgical instruments—Precision Thermometer & Instrument Co., 1434 Brandywine, Phila., Pa.

PRINZ grain separators—Prinz & Rau Mfg. Co., 659 E. Water, Milwaukee, Wis.
PRISCILLA aluminum hollow ware—New England Enameling Co. Middletown, Conn.
PRISCO lanterns, wash boilers—Pritchard Stamping Co., Rochester, N. Y.
PRISMATIC embossed blotting paper—Standard Paper Mfg. Co., Hull & Canal, Richmond, Va.
PRIZE bucket spray pumps—Deming Co., Salem, Ohio
PRIZE fire place heaters—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
PRIZE hair pickers—Geo. Willcomb Co., 60 Chardon, Boston, Mass.
PRIZE walking & riding cultivators—Kingman Plow Co., Peoria, Ill.
PRIZE PLYMOUTH stoves—Grinberg Bros., 154 South, New York
PRIZER stoves, ranges & furnaces—Prizer-Painter Stove Co., Reading, Pa.
PRIZE RIBBON babbitt metal—Cleveland Alloys Co., Elm & Superior, Cleveland, Ohio
PROCTOR burring machines, garnett machines, rag pickers—Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.
PROCTOR china & clay dryers—Ceramic Equipment Co., Trenton, N. J.
PROCTOR dryers for asbestos binder and leather board, asbestos pipe covering, barrel staves, brocks, carpet, cartridges, chemicals, clay products, cocoanut, copra, fruits, glue, hair, hair rope, labels on cans, leather, lithopone latch sticks, paint pigments, paper, potato pulp, shoe shanks, soap, straw braid, straw hats, tobacco, thin lumber, tooth picks, veneers, welsbach mantels, white lead, cotton bleached or dyed, cotton linters, fur, hair wool rag, silk waste, pulled wool, waterproof canvas, shrinking and wool cloth, knitted fabrics, silk, toweling, woolen tubular goods, underwear, stockings, half hose, woolen hats and socks, cotton mercerized, silk, wool and worsted yarns—Proctor & Schwartz Inc., 7th & Tabor rd, Phila., Pa.
PROCTOR wool dryers—Philadelphia Drying Machinery Co., 3351 Stokley, Phila., Pa.
PRODUCTIMETER counting machines—Durant Mfg. Co., Milwaukee, Wis.
PROGRESS grease cups—Wm. Powell Co., Cincinnati, Ohio
PROGRESS ice cream freezers—Dairy Machinery & Construction Co., Derby, Conn.
PROGRESS steam heaters—Thatcher Furnace Co., 135 W. 35th, New York
PROGRESS sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
PROGRESS wire stitching machinery—F. P. Rosback Co., Benton Harbor, Mich.
PROJECTOR desk telephone brackets—K. & B. Co., 497 N. 3rd, Phila., Pa.
PROMENADE floor tile—Martin Yingling Brick Co., Pittsburgh, Pa.
PRONG LOCK metal studs & iron furring—Berger Mfg. Co., Canton, Ohio
PROOF coil chains—United States Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
PROSPECT hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
PROSPERITY collar moulding machines—National Chemical Co., Syracuse, N. Y.
PROSSER tube expanders—Thos. Prosser & Son, 15 Gold, New York
PROTAR photographic lenses—Bausch & Lomb Optical Co., Rochester, N. Y.
PROTECT-A-LITE gas globes — Safety Wire Gas Globes Co., Columbus, Ohio
PROTECTION oil cans—Geo. W. Diener Mfg. Co., 400 Monticello av, Chicago, Ill.
PROTECTION ready roofing—Asphalt Roof Coating Co. Ltd., 10 E. 43rd, New York
PROTECTO boiler preservative—Standard Chemical Corp., Kalamazoo, Mich.
PROTECTOGRAPH check writing machines & protectors—Todd Protectograph Co., 1050 University av, Rochester, N. Y.
PROTECTOR chemical fire engines—Knight & Thomas, 212 Summer, Boston, Mass.
PROTECTOR "O," "H" & "A" lamp guards—McGill Mfg. Co., 26 Oak, Valparaiso, Ind.
PROTECTOR non-syphoning traps—Federal-Huber Co., 234 N. Halsted, Chicago, Ill.
PROTECTOR revolvers—Ames Sword Co., Chicopee, Mass.
PROTEX burlap — Cleveland-Akron Bag Co., Cleveland, Ohio
PROTEX dripless sink strainers—Republic Metalware Co. (The), Buffalo, N. Y.



PROTEXOL wood preservative & coal tar products—Protexol Corp., 41 Barclay, New York
PROTOD forgery-proof checks—Todd Protectograph Co., 1050 University av, Rochester, N. Y.
PROTOPLAST bronze powders & bronzing liquid—U. S. Bronze Powder Wks., Inc., 220 W 42nd, New York
PROUDFIT loose leaf devices & paper punches—Proudfit Loose Leaf Co., Grand Rapids, Mich.
PROUTY barn door latches, fire door fittings, cupboard catches, floor hinges, sash locks, parlor door hangers, pulls, etc—Allith-Prouty Co., Danville, Ill.
PROUTY box board printing machines—Boston Printing Press & Machinery Co., East Bridgewater, Mass,
PROUTY valve wheels—Sawyer Tool Mfg. Co., Ashburnham, Mass.
PROVER fruit & vegetable evaporators—Deshler Mail Box Co., Deshler, Ohio
PROVE TYPE glass insulators—Hemingray Glass Co., Covington, Ky.
PROVIDENCE adding machines—Hainer Bookkeeping Machine Co., 45 Williard av, Providence, R. I.
PROVIDENCE car fenders & wheel guards—Consolidated Car Fender Co., Yale, Providence, R. I.
PROVIDENCE drinking fountains—J. H. Ashton & Co., 271 Franklin, Providence, R. I.
PROVIDENCE steam traps—General Fire Extinguisher Co., Providence, R. I.
PROVIDENCE winches & windlasses, boat anchors—American Engineering Co., Armingo & Cumberland, Philadelphia, Pa.
PROVO filter press & plate—Provost Engineering Corp., 220 B'way, New York
PROWODNIK solid tires—Columb Tyres Import Co., 1 Madison av, New York
PRUDEN plaster corner beads—St. Paul Roofing, Cornice & Ornament Co., St. Paul, Minn.
PRUDENTIAL portable houses — C. D. Pruden Co. Dock & Warner, Baltimore, Md.
PRUDENTIAL steam heaters—W. A. Birdsall & Co., 44 Mechanic, Newark, N. J.
PRYZOAK belting—Graton & Knight Mfg. Co., Worcester, Mass.
PUBLIC SERVICE bond paper — Taylor-Logan Co., Holyoke, Mass.
PUCK heating stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
PUERINE tanners' bate—Martin-Dennis Co., 859 Summer, Newark, N. J.
PULL-EASY garden cultivators—Pull-Easy Mfg. Co., Waukesha, Wis.
PULLMAN door checks, razor stroppers & unit sash balances—Pullman Mfg. Co., Rochester, N. Y.
PULLMAN furniture polish—Samoline Corp. Inc., 134 N. Clark, Chicago, Ill.
PULLMAN journal bearings—More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
PULLMAN ventilators, ventilating cowls — Pullman Ventilator & Mfg. Co., York, Pa.
PULL-ME-OUT truck pullers—Sasgen Derrick Co., 3101 W. Grand av, Chicago, Ill.
"PULLRITE" automobile lightning battery, pull & push switches—Frank W. Morse, 289 Congress, Boston, Mass.
PULMOSAN sand blasting helmets & respirators—Multi-Metal Separating Screen Co., 251 W. 19th, New York
PULVA ALBA cement concrete block facing—Ohio Marble Co., Piqua, Ohio
PULVEROID celluloid signs—Bastian Bros. Co., Rochester, N. Y.
PUNCH tire upsetters—Munnsville Plow Co., Munnsville, N. Y.
PUNKTAL lenses—Bausch & Lomb Optical Co., Rochester, N. Y.
PUR-A-TIS faucet filters—Union Filter & Novelty Co., 73 Franklin, New York
PURE WHITE toilet paper holders—A. P. W. Paper Co., Albany, N. Y.
PURITA drinking fountains—J. L. Mott Iron Works, Trenton, N. J.
PURITAN aluminum hollow ware—Sturges & Burn Mfg. Co., 838 W Congress, Chicago, Ill.
PURITAN dress shields—J. J. Beyerle Mfg. Co., 340 Berry, Brooklyn, N. Y.
PURITAN drinking fountains—Halsey W. Taylor Co., Warren, Ohio
PURITAN faucet cans—Sexton Can Co., 123 Broad, Boston, Mass.
PURITAN insulating cloth, insulating paper—American Mica Co., Newton Lower Falls, Mass.
PURITAN lever switches—Frank W. Morse, 289 Congress, Boston, Mass.
PURITAN liquid soap, soap powders, furniture polish Puritan Soap Co., 496 Exchange, Rochester, N. Y.

PURITAN lubricating oils & greases—Puritan Oil Co., 1244 W. 70th, Cleveland, Ohio
PURITAN marine steering wheels—Thos. Laughlin Co., Portland, Me.
PURITAN metal polish & lubricating oils—Pure Oil Co., Minneapolis, Minn.
PURITAN oil cups—Wm. Powell Co., Cincinnati, Ohio
PURITAN oilers—Noera Mfg. Co., Waterbury, Conn.
PURITAN packing—Mulconroy Co., 54th & Jefferson, Philadelphia Pa.
PURITAN printed & plain waxed paper & vegetable parchment—West Carrollton Parchment Co., West Carrollton, Ohio
PURITAN sanitary flooring—Warren Bros. Co., 142 Berkeley, Boston, Mass.
PURITAN stoves—Grinberg Bros., 154 South, New York
PURITAN tinware, ash & garbage cans, oil cans, bread pans, broilers, chafing dishes, pails, water coolers—Central Stamping Co., 172 Fulton, New York
PURITAN walking drills & listers—Moline Plow Co., Moline, Ill.
PURITAN water coolers—Everson Filter Co., 70 N. Lake, Chicago, Ill.
PURITAN wood fillers—Glidden Co., Madison av & Berea rd, Cleveland, Ohio
PURITY drinking fountains—James Barrett Mfg. Co., 117 Pearl, Boston, Mass.
PURITY surgical gauze—American Gauze & Cotton Co., Inc., 407 N 8th, St. Louis, Mo.
PURITY water filters, pipe strainers—Progressive Iron Foundry & Machine Co., Haydenville, Mass.
PURIWACHOS fire resisting cements—W. A. Ross & Bro., 11 S. William, New York
PURO faucets—Puro Sanitary Drinking Co., Haydenville, Mass.
PURO oils—Pure Oil Co., Lafayette bldg., Philadelphia, Pa.
PUROLINE disinfectants—Continental Mfg. Co., Indianapolis, Ind.
PUROX welding & cutting apparatus & hydrogen & oxygen gas—California Burdett Oxygen Co., 52d & Santa Fe, Los Angeles, Cal.
PURPLE LABEL piano wire—Webb Wire Works, New Brunswick, N. J.
PUSEY voltage regulators—Keystone Electric Co., 135 S. 10th, Phila., Pa.
PUSH BARS garden cultivators—Empire Plow Co., 3140 E. 65th, Cleveland, Ohio
PUSH-DOWN blast batteries — Star Electric Fuse Works, Wilkes-Barre, Pa.
PUSHIN ordinary attachment plugs—H. T. Paiste Co., 3201 Arch, Phila., Pa.
PUSHRITE push buttons—S. H. Couch Co., Quincy, Mass.
PUTNAM rolling ladders—Putnam & Co., 32 Howard, New York
PUTNAM spring clothes pins—U. S. Clothespin Co., Montpelier, Vt.
PUTNAM steam heaters—Putnam Foundry & Machine Co., Putnam, Conn.
PUTZ metal polish—Grady Mfg. Co., 250 Ely av, Astoria, N. Y.
PUTZ metal polish—J. C. Paul & Co., 930 Roscoe av, Chicago, Ill.
PYCNOLUM belt dressing—A. G. Beldon & Co., 29 Burling Slip, New York
PYKE'S lawn mower sharpeners—Pike Mfg. Co., Pike, N. H.
PYOD pyrometers—Wilson-Maeulen Co., 383 Concord av, New York
PYOTT-MILLER friction clutches—Pyott Co., 1401 W. North av, Chicago, Ill.
PYRALIN bath room fixtures & furnishings—C. F. Church Mfg. Co., Holyoke, Mass.
PY-RA-LIN cleanable collars & cuffs, beading, flexible sheeting, transparent sheeting, rods, toilet articles, tubes—The Arlington Works (E. I. du Pont de Nemours & Co.), Wilmington, Del.
PYRALIN enamels & lacquers—Du Pont Chemical Works, Wilmington, Del.
PYRAMID belting—Laurence Belting Co., 111 Chambers, New York
PYRAMID blue plaster boards, roofing felts—Ford Roofing Products Co., 2339 La Salle, Chicago, Ill.
PYRAMID boiler compounds—Binghamton Boiler Compound Co., Binghamton, N. Y.
PYRAMID brand carbon brushes—National Carbon Co., Madison av., N. W., & W. 117th, Cleveland, Ohio
PYRAMID canvas stitched belting—National Belting Co., Elyria, Ohio
PYRAMID cement plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
PYRAMID floor finish—O'Brien Varnish Co., South Bend, Ind.
PYRAMID fly catchers—Louis Dejonge & Co., 71 Duane, New York
PYRAMID hose & gaskets—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
PYRAMID hot air furnace—Forest City Foundry & Mfg. Co., 2202 Elm av, Cleveland, Ohio
PYRAMID lamp black—L. Martin Co., 81 Fulton, New York
PYRAMID packing—Cancos Mfg. Co., Garden & Bridge, Phila., Pa.
PYRAMID rubber mats—Boston Woven Hose & Rubber Co., Cambridge, Mass.
PYRAMID rubber mats—Essex Rubber Co., Trenton, N. J.
PYRAMID torches, engine & machine oilers—Gem Mfg. Co., Goebel nr. Fulton, N. S., Pittsburgh, Pa.
PYRAMID water supply pumps—Gould Mfg. Co., 71 W. Falls, Seneca Falls, N. Y.
PYRAMID-BALATA belting — Imperial Belting Co., 400 N. Lincoln, Chicago, Ill.
PYRENE fire extinguishers—Pyrene Mfg. Co., 52 Vanderbilt av, New York
PYREX beakers baking & chemical glassware—Corning Glass Works, Corning, N. Y.
PYRO alcohol lamps, self-heating sad irons & denatured alcohol—Alcohol Utilities Co., 27 William, New York
PYRO denatured alcohol—United States Industrial Alcohol Co., 27 William, New York
PYRO steel castings—Swedish Crucible Steel Co., Butler & Grand Trunk R. R., Detroit, Mich.
PYRO-NON fire proofing paints & liquid—International Fire Proofing Paint Corp., 61 B'way, New York
PYROBAR book, cement roofing & cold storage insulation, fireproof tile, column covering & gypsum tile—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
PYROFUSE garbage disposal plants—J. B. Prescott & Son, Webster, Mass.
PYROID sheet packing—General Asbestos & Rubber Co., Charleston, S. C.
PYROSCOPE optical pyrometers—Shore Instrument & Mfg. Co., The, Jamaica, N. Y.
PYROTITE electric fuse—Bryant Electric Co., Bridgeport, Conn.
PYROTIP electro lead burner—General Electric Co., Schenectady, N. Y.
PYROXYLIN varnish—Crest Chemical Co., Seattle, Wash.
PYTHON conveyor belting—Manheim Mfg. & Belting Co., Manheim, Pa.
Q. A. insulating paper—Green Insulation Co., Cleveland, Ohio
Q. D. closet seat bumpers—Adam A. Long Mach. Wks., Rochester, N. Y.
Q. M. S. trolleys & pneumatic hoists—Hanna Engng. Wks., 1764 Elston av, Chicago, Ill.
Q. S. F. flush switches—Cutter Electrical & Mfg. Co., 501 N. 19th, Phila., Pa.
Q. & C. lamp adjusters—American Vulcanized Fibre Co., Equitable bldg., Wilmington, Del.
Q. & C. rail sawing machines, rail benders, guard rail clamps, rail step joints—Q. & C. Co., 90 West, New York
Q. & E. floor finish—Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Q. & T. cattle stanchions—Quick & Thomas, Auburn, N. Y.
QUAD boring tools—Wrightsville Hardware Co., Wrightsville, Pa.
QUAD camp stoves, gas ranges—Quad Stove Mfg. Co., Columbus, Ohio
QUAD receptacles—General Elec. Co., Schenectady, N. Y.
QUADLOCK emergency gasoline cocks—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
QUADRIGA soldering iron heaters, round belt couplings—Quadriga Mfg. & Specialty Co., 213 W. Grand av, Chicago, Ill.
QUADRUPLEX telegraph apparatus—J. H. Bunnell & Co., 32 Park pl, New York
QUAIL wood hay tedders—Ohio Rake Co., Dayton, Ohio
QUAKER cotton & wool waste—National Waste Co., Nixon & Leverington, Phila., Pa.
QUAKER hot air furnaces—Quaker Mfg. Co., 180 N. Dearborn, Chicago, Ill.
QUAKER lubricators—Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
QUAKER metal polish—Quaker Soap Co., 207 Provost, Jersey City, N. J.
QUAKER packing—Mulconroy Co., 54th & Jefferson, Philadelphia, Pa.
QUAKER rubber tires, belting, packing, fire hose—Quaker City Rubber Co., 629 Market, Phila., Pa.

QUAKER shade rollers—Columbia Mills, Inc., 225 5th av, New York
QUAKER turpentine substitute—C. H. Boley Co., 3722 N. Randolph, Phila., Pa.
QUAKER whiting—R. T. Vanderbilt Co., 50 E. 42nd, New York
QUAKER CITY range boilers—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
QUAKER KITCHEN enameled ware—New England Enameling Co., Middletown, Conn.
QUALITY automobile wind shields—F. W. Anderson & Co., Brown & Uber, Phila., Pa.
QUALITY clothes washing machines—Blackstone Mfg. Co., Jamestown, N. Y.
QUALITY core compounds—E. J. Woodison Co., 1621 St. Aubin, Detroit, Mich.
QUALITY elec. sad irons—Am. Electrical Heater Co., Burroughs & Woodward, Detroit, Mich.
QUALITY gas ranges, oil stoves & heaters, steel ranges—Roberts & Mander Stove Co., 11th & Washington av, Phila., Pa.
QUALITY hack saw blades & frames—Napier Saw Wks., Inc., Springfield, Mass.
QUALITY orthopedic plaster—U. S. Gypsum Co., 205 W. Monroe, Chicago, Ill.
QUALITY revolving chairs—C. A. Cook Co., Cambridge, Mass.
QUALITY rubber stamps—Consolidated Stamp Mfg. Co., 87 Maiden La, New York
QUALITY self-measuring oil pumps—Milwaukee Tank Works, Fratney & Becker, Milwaukee, Wis.
QUALITY surgical gauze—Am. Gauze & Cotton Co. Inc., 407 N. 8th, St. Louis, Mo.
QUALITY TOW for upholstery—Northern Insulating Co., St. Paul, Minn.
QUANCO ball cocks—Street & Kent Mfg. Co., 549 Fulton, Chicago, Ill.
QUARETTE automobile electrical equipment—Gem Mfg. Co., Goebel nr Fulton N. S., Pittsburgh, Pa.
QUARETTE pressure reducing valves—Auld Co., 1253 N. 12th, Phila., Pa.
QUARTZ water filter—Everson Filter Co., 70 W. Lake, Chicago, Ill.
QUEEN broom holders—C. E. Erickson & Co., Des Moines, Ia.
QUEEN ceiling hooks—Parker Wire Goods Co., Worcester, Mass.
QUEEN cultivators—Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
QUEEN desks—Marysville Cabinet Co., Marysville, Ohio
QUEEN family washing machines—J. H. Knoll, Reading, Pa.
QUEEN fire extinguishers, fire hose reels & racks—Harker Mfg. Co., 121-123 W. 3d, Cincinnati, Ohio
QUEEN fly swatters—U. S. Wire Mat Co., Decatur, Ill.
QUEEN gasoline blow torches—Bridgeport Brass Co., Bridgeport, Conn.
QUEEN hair drying combs—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
QUEEN harness snaps—Covert Mfg. Co., Troy, N. Y.
QUEEN kraut cutters—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
QUEEN lawn mowers—Dille & McGuire Co., Richmond, Ind.
QUEEN lawn mowers—Granite State Mowing Machine Co., Hinsdale, N. H.
QUEEN soldering flux, incandescent lamp coloring—Brunner Chemical Works, 217 E. 3rd, Cincinnati, Ohio
QUEEN tack claws & pullers—W. G. Browne Mfg. Co., Kingston, N. Y.
QUEEN water coolers—Everson Filter Co., 70 W. Lake, Chicago, Ill.
QUEEN A hand vacuum cleaners—Gray Iron Foundry Co., Reading, Pa.
QUEEN ANNE kerosene oil lamp burners—Scovill Mfg. Co., Waterbury, Conn.
QUEEN ANNE metal frame window screens—Continental Co., Book bldg, Detroit, Mich.
QUEEN B hand vacuum cleaners—Gray Iron Foundry Co., Reading, Pa.
QUEEN BEE babbitt metal—Thos. F. Lukens Metal Co., 238 N. 4th, Philadelphia, Pa.
QUEEN CITY adjustable wrenches—Bergman Tool Mfg. Co., Buffalo, N. Y.
QUEEN CITY coal chutes—Hastings Foundry & Iron Works, Hastings, Nebr.
QUEEN CITY lawn rakes—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
QUEEN CITY shutter hinges, tobacco counter cutters—Wrightsville Hardware Co., Wrightsville, Pa.
QUEEN CITY step ladders—Rich Pump Co., South & Depot, Cincinnati, Ohio
QUEEN OF SOUTH flour mill machinery—Blymyer Iron Works Co., Cincinnati, Ohio



QUEENS chrome yellow—C. H. Howell & Co., 212 Race, Phila., Pa.
QUEENS BEST steel ranges—Wisconsin Fdry. & Steel Works, Cedar Grove, Wis.
QUICK BRAKE knife switches—Consolidated Car Heating Co., Albany, N. Y.
QUICK fruit parers—Hamblin & Russell Mfg. Co., Co., Worcester, Mass.
QUICK ACTION battery connectors—National Carbon Co., Madison av, N. W. & W. 117th, Cleveland Ohio
QUICK ACTION drilling machine vises—St. Louis Sales Co., St. Louis, Mo.
QUICK ACTION switches & spark coils—Quick Action Ignition Co., South Bend, Ind.
QUICK-AS-A-WINK cork pullers—Milton Hawley, Stepney, Conn.
QUICK-AS-A-WINK cork pullers—Warner Hammer Co., Cromwell, Conn.
QUICK-AS-WINK pneumatic hose couplings—W. J. Clark Co., Salem, Ohio
QUICK CHANGE drill chucks & twist drill collets—McCrosky Reamer Co., Meadville, Pa.
QUICK CLOSING water gauges—Williams Gauge Co., 543 4th av, Pittsburgh, Pa.
QUICK COMFORT gas heaters, parlor gas grates, wood ranges—American Stove Co., 827 Chouteau av, St. Louis, Mo.
QUICKEST expansion tank shelves—Fred A. Tyler, Albany, N. Y.
QUICK-KLOZE harness snaps—North & Judd Mfg. Co., New Britain, Conn.
QUICK KUT valve grinding compounds—Hall-Thompson Co., Hartford, Conn.
QUICK MEAL feed cookers—B. F. Freeland Sons Co., Sturgis, Mich.
QUICK MEAL gas stoves, gas radiators, soldering furnaces, coal ranges—American Stove Co., 827 Chouteau av, St. Louis, Mo.
QUICK-OPE faucets—Haydenville Co., Haydenville, Mass.
QUICK OPENING regulating valves—Bridgman Bros. Co., 131 S. 31st, Phila., Pa.
QUICK OUT feed carriers—Louden Machinery Co., Fairfield, Ia.
QUICK-OUT fire extinguishers—Safety Fire Extinguisher Co., 291 7th av, New York
QUICK-PRESSION work basin cocks—Central Brass Mfg. Co., 6206 Cedar, Cleveland, Ohio
QUICK REPAIR ball cocks—Gaylord Sanitary Mfg. Co., El Dorado, Kan.
QUICK SAMSON cable grips—Mathias Klein & Sons, 3200 Belmont av, Chicago, Ill.
QUICK SET iron & steel posts—Buffalo Steel Co., Tonawanda, N. Y.
QUICK-SHARP planer knife grinders—Stockbridge Machine Co., Worcester, Mass.
QUICK SHIFT anti-rattlers—D. F. Tanner, Holland, N. Y.
QUICK SHINE metal polish—Baum's Castorina Co., Rome, N. Y.
QUICK WHITE shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
QUICKWORK power hammers, rotary shears—Quickwork Co., St. Mary's, Ohio.
QUICK & EASY cork pullers, ice shavers, lemon squeezers, meat juice presses, milk-shakers, potato mashers—C. L. Walker Co., 656 W. 12th, Erie, Pa.
QUICK & EASY garden weeders—Albert E. Rinn, Allentown, Pa.
QUICK WELDING pressed steel band flanges—Parish Supply & Mfg. Co., 2868 Quinn, Chicago, Ill.
QUICKER YET clothes washing machines—Globe Mfg. Co., Perry, Ia.
QUIKSTICKER mucilage & paste—Ink Ribbon Mfg. Co., 635 Howard, San Francisco, Cal.
QUIKWERK railroad tools—The Warren Tool & Forge Co., Warren, Ohio.
QUINCY tumbling barrels—Central Iron Works, Quincy, Ill.
QUINCY MARKET ammonia valves—Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
QUINN smokeless furnaces, refuse burners—Quinn & Co., 222 E. 9th, Cincinnati, Ohio
QUINN'S fire pots—Quinn Mfg. Co., Detroit, Mich.
QUIN-SEE valve & service boxes—Modern Iron Works, Quincy, Ill.
QUINT boring tools—Wrightsville Hardware Co., Wrightsville, Pa.
QUINTUPLE garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
QUITETITE pressure reducing valves—Schutte & Koerting Co., 1251 N. 12th, Phila., Pa.
QUIX-SHINE polishing cloths—Quix Specialty Co., 2754 Germantown av, Phila., Pa.

R. ringing transformers—Mohawk Electric Mfg. Co., 15 Kirk, Newark, N. J.
R. B. F. ball bearings—Hudson Export & Import Co., 1737 Broadway, New York
R. C. blow-off valves—DeZouche, Hanson & Co., 14 N. 5th, Phila., Pa.
R. C. W. WATER MOTOR clothes washing machines—Richmond Cedar Works, Fulton, Richmond, Va.
R. CENTER FILS heddles—Wm. Firth, 200 Devonshire, Boston, Mass.
R. F. D. automobile & carriage heaters—Kelly Foundry & Machine Co., Goshen, Ind.
R. F. D. padlocks—Sargent & Co., New Haven, Conn.
R. F. D. padlocks—Slaymaker Lock Co., Lancaster, Pa.
R F & C belting—Buffalo Weaving & Belting Co., Buffalo, N. Y.
R. H. MFG. CO. binder covers—B. Herschel Mfg. Co., Peoria, Ill.
R.-I.-V. ball bearings—R.-I.-V. Co., 1765 Broadway, N. Y
R.-I.-V. Hoffman steel balls—R.-I.-V. Co., 1771 Broadway, New York
R. I. W. paints—Toch Bros, 320 5th av, New York
R-K exhaust heads—Walter G. Ruggles Co., 10 High, Boston, Mass.
R. K. steam fitters supplies—Ruggles-Klingemann Mfg. Co., Salem, Ohio
R.-L. lamp cord adjusters—Runzel-Lenz Electric Mfg. Co., 1751 N. Western av, Chicago, Ill.
R. M. C. C. lubricating oils & greases—Phoenix Oil Co., 2554 W. 5th, Cleveland, Ohio
R. MURPHY'S knives, cork screws—R. Murphy's Sons Co., Ayer, Mass.
R-N-R frogs, switches & crossings—Indianapolis Switch & Frog Co., Springfield, Ohio
R. P. lubricators, oil filters, oiling systems & sight flow indicators—Richardson-Phenix Co., 131 2nd, Milwaukee, Wis.
R. P. NOKUT valves—Richardson-Phenix Co., 131 2nd, Milwaukee, Wis.
R. P. UNION-CINCH pipe fittings—Richardson-Phenix Co., 131 2nd, Milwaukee, Wis.
R-P steam traps—John F. Robertson Co., Park bldg., Pittsburgh, Pa.
R. P. K. shoe trees—Bridgeport Metal Goods Mfg. Co., Bridgeport, Conn.
R. R. babbitt metal—Aurora Metal Co., Aurora, Ill.
R. R. JONES plow fenders—Southern Plow Co., Columbus, Ga.
R. S. gasoline engines—Rawleigh-Schreyer Co., Freeport, Ill.
R.-S. motor cycles—Reading Standard Co., Reading, Pa.
R. S CO. concrete inserts & sprinkler fittings for water—Rockwood Sprinkler Co., Worcester, Mass.
R. V. humersdorff mache churns—Bing, John, 381 4th av, New York
R. W. screen sewage treatment, etc—Sanitation Corp., 50 Broad, New York
R-W 231" folding scaffold brackets—Richards-Wilcox Mfg. Co., Aurora, Ill.
R. & B. needles & pyretometers—Randall-Falchney Co., Boston, Mass.
R. & D. belt cements, belt dressing—Reed & Duecker, Memphis, Tenn.
R. & D. feed water fillers—Row & Davis, Engineers, Inc., 90 West, New York
R. & H. corn shellers—Fate-Root-Heath Co., Plymouth, Ohio
R. & M. piston rings—Modern Electric & Machine Co., 936 Ft. Wayne av, Indianapolis, Ind.
R. & V. gas engines—Root & Vandervoort Engineering Co., East Moline, Ill..
RABBETH centrifugal clutch spindles—Draper Corp., Hopedale, Mass.
BABBETH handle drags—General Phonograph Corp., 25 W. 45th, New York
BARTEX spindle oil—Texas Company, 17 Battery pl, New York
RACINE automobile wind shields—Racine Auto Top Co., Racine Wis.
RACINE bean & pea sorters, grain graders grain separators, fanning mills, end gate seeders—Johnson & Field Mfg. Co., Racine, Wis.
RACINE equalizers—Harvey Spring & Forging Co., Racine, Wis.
RACINE equalizers—Racine General Mfg. Co., Racine, Wis.
RACINE incubators & brooders—Progressive Incubator Co., Racine, Wis.
RACINE metal cutting-off machines—Racine Tool & Machine Co., Racine, Wis.
RACINE puttyless windows—Racine Puttyless Window Co., Racine, Wis.
RACINE rail anchors—John M. Scott & Sons, Racine, Wis.
RACINE rubber tires—Racine Auto Tire Co., Racine, Wis.
RACINE spring hinges, ventilating sash locks—Racine Metal Stamping Co. Racine, Wis.
RACINE JR. MODEL B riding listers—J. I. Case Plow Works, Racine, Wis.
RACK-A-ROCK powder—Rendrock Powder Co., 106 Wall, New York
RACYCLE bicycles—Miami Cycle & Mfg. Co., Middletown, Ohio
RADFORD blast furnaces—Va. Iron, Coal & Coke Co., Roanoke, Va.
RADI-METER distance type, thermometers—National Gauge & Equipment Co., La Crosse, Wis.
RADIALAXE coal cutters—Ingersoll-Rand Co., 11 Broadway, New York
RADIANT car furnaces & stoves—Germer Stove Co., Erie, Pa.
RADIANT HOME gas ranges & heaters—Germer Stove Co., Erie, Pa.
RADIANT ranges—Cole Mfg. Co., 3218 S. Western ave, Chicago, Ill.
RADIANT stoves—Fox Furnace Co., Elyria, Ohio
RADIANT stoves—Grinberg Bros., 154 South, New York
RADIANT NO. 2 fireplace heaters—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
RADIATOR lock shield valves—McNab & Harlin Mfg. Co., 55 John, New York
RADICAL CRESCENT cross cut saws—Simonds Mfg. Co., Fitchburg, Mass.
RADIFOR bamboo fishing rods—Redifor Rod & Reel Co., Warren, Ohio
RADIO denatured alcohol—Jefferson Distilling & Denaturing Co., Harvey, La.
RADIO luminous paint, powder & cardboard—American Luminous Products Co., Huntington Park, Cal.
RADIOCLARITE foundry flux—Basic Mineral Co., 834 Columbus ave, Pittsburgh, Pa.
RADIOLITE WHITE ENAMEL slow drying—Ceresit Waterproofing Co., 110 S. Dearborn, Chicago, Ill.
RADION electric desk lights—H. C. White Co., North Bennington, Vt.
RADION gas jet heater & cooking stove—A. G. Kaufman Mfg. Co., 210 5th av, New York
RADIUM enameled paper—Bryant Paper Co., Kalamazoo, Mich.
RADIUM gas heaters—Radium Heater Co., Pittsburgh, Pa.
RADIUM radical gas heaters—Lawson Mfg. Co., Homestead, Pa.
RADIUM steam heaters—Frank Prox Co., Terre Haute, Ind.
RADIX gas heaters—O. P. Lawson Co., Homestead, Pa.
RAECOLITH sanitary flooring—Raecolith Flooring Co., Seattle, Wash.
RAILTON-CAMPBELL feed water filters—Ross Valve Mfg. Co., Troy, N. Y.
RAIN shower bath—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
RAINBO waterproof belting—Manhattan Belting Co., 329 Lafayette, New York
RAINBOW belt lacing—Manufacturers Belt Hook Co., 1321 W. Congress, Chicago, Ill.
RAINBOW corn & cob mills, fanning mills, grain graders—Leo Rumely Tractor Co., La Porte, Ind.
RAINBOW fishing rods—Horton Mfg. Co., Bristol, Conn.
RAINBOW lawn sprinklers—Hardware Supply Co., Grand Rapids, Mich.
RAINTIGHT rubber roofing—Maurice O'Meara Co., 448 Pearl, New York
RAINTYTE asphalt roofing—Whitaker Paper Co., Eggleston ave, 6th & Lock, Cincinnati, Ohio
RAISIN VALLEY fodder cutters—Wilder-Strong Implement Co., Monroe, Mich.
RAISWELL automobile jacks—Lovell-McConnell Mfg Co., 194 Wright, Newark, N. J.
RAJAH scrubbing brushes—New Jersey Brush Co., Bloomfield, N. J.
RALACO gasoline & marine gasoline engines—S. M. Jones Co., Toledo, Ohio.
RALCO receptacle plugs—Central Electric Co., 302 S. 5th av, Chicago, Ill.
RALL bascule bridges—Strobel Steel Construction Co., Monadnock blk, Chicago, Ill.
RALSTON soap makers' presses—Detroit Soap Co., Detroit, Mich.
RALSTON water stills—John Trageser Steam Copper Works, 447 W. 26th, New York
RAMAPO switch stands, spring rail frogs, guard, rail clamps—Ramapo Iron Works, Hillburn, N. Y.
RAMBLE spark plugs—Long Bros., Kokomo, Ind.
RAMBLER door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.

RAMROD spark plugs—A. R. Mosler & Co., Mt. Vernon, N. Y.
RAMSCO mine cars—Railway & Mine Supply Co., McCormick bldg, Chicago, Ill.
RAMSDELL laundry tub covers—Household Granite Tub Co., New Haven, Conn.
RAMSEY grinder valves—Boky Mfg. Corp., Saratoga Springs, N. Y.
RANDALL graphite lubricators—Randall Graphite Sheet Lubricator Co., 711 Fulton, Chicago, Ill.
RANDALL graphite lubricants—Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, Ohio
RANDALL & STICKNEY lathe indicators, paper testers, gauges—Waltham Micrometers Dial Gauge Co., 248 Ash, Waltham, Mass.
RANDOLPH automobile truck trailers—H. C. Randolph, Jonesville, Mich.
RANDOLPH cotton hose—Mechanical Rubber Co., 73 Reade, New York
RANDOLPH'S journal bearing compounds—Duluth Brass Works Co., Duluth, Minn.
RANGER fruit & vegetable parers—Goodell Co., Antrim, N. H.
RANIVILLE'S LEATHER-TO-METAL belt cements—F. Raniville Co., Grand Rapids, Mich.
RANIVILLE'S WATERIDE belt cements—F. Raniville Co., Grand Rapids, Mich.
RANIVILLE'S BELT WAX belt preservatives—F. Raniville Co., Grand Rapids, Mich.
RANKIN corn & cob mills—Gade Bros. Mfg. Co., Iowa Falls, Ia.
RANKIN shovels, spades & scoops—Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
RANNEY static electric machines—Waite & Bartlett Mfg. Co., 53 Jackson av, Long Island City, N. Y.
RANSOM emery wheel speed controllers—Ransom Mfg. Co., Oshkosh, Wis.
RANSOME concrete mixer—Ransome Mixer Co., 165 B'way, New York
RANSOMITE bond concrete—Ransome Concrete Machy. Co., Dunellen, N. J.
RAPID clothes washing machines—Metal Barrel Co., Galesburg, Ill.
RAPID clothes washing machines—Richmond Cedar Works, Fulton, Richmond, Va.
RAPID concrete mixers—Rapid Mixer Co., Grand Rapids, Mich.
RAPID fireless cookers—Wm. Campbell Co., 160 Merritt, Detroit, Mich.
RAPID force & lift pumps—Wm. Powell Co., Cincinnati Ohio
RAPID fruit corers—Landers, Frary & Clark, New Britain, Conn.
RAPID grist mills—Fate-Root-Heath Co., Plymouth, Ohio
RAPID log loaders—Clyde Iron Works Sales Co., Duluth, Minn.
RAPID metal polish—Baum's Castorina Co., Rome, N. Y.
RAPID molding machines — Federal Malleable Co., West Allis, Wis.
RAPID paint & varnish remover—Indianapolis Paint & Color Co., Indianapolis, Ind.
RAPID pencil sharpeners—C. Spiro Mfg. Co., 68 E. 131st, New York
RAPID post hole diggers—Hy. Disston & Sons, Tacony, Phila., Pa.
RAPID potato mashers—Browne & Dowd Mfg. Co., Meriden, Conn.
RAPID power shears—Otis L. Fuller Co., Goshen, Ind.
RAPID ready change carriers—Chas. F. Etter, Harrisburg, Pa.
RAPID tap plugs—Rapid Tap Plug Co., Grand Rapids, Mich.
RAPIDCUT valve grinding compounds—S. B. R. Specialty Co., East Orange, N. J.
RAPID-EASY garden weeders—W. J. Clark Co., Salem, Ohio
RAPID FIRE dry batteries—Nungesser Carbon & Battery Works of Nat'l Carbon Co., 1170 E. 38th, Cleveland, Ohio
RAPID FIRE machine drills—Diamond Expansion Bolt Co., 89 West, New York
RAPID ROLLER COPIER presses—Yawman & Erbe Mfg. Co., Rochester, N. Y.
RAPID TRANSIT dumb waiters—Energy Elevator Co., 214 New, Phila., Pa.
RAPID TRANSIT wrenches—Athol Machine Co., Athol, Mass.
RAPP molding sand revivifiers—Link-Belt Co., 329 W. 39th, Chicago, Ill.
RATCHET handle paint & white wash spraying machines—F. E. Myers & Bro., Ashland, Ohio
RATEAU steam regenerators—Rateau Steam Regenerator Co., 90 West, New York
RATHBUN vertical gas engines — Rathbun-Jones Eng'ng Co., 841 Spencer, Toledo, Ohio
RATHOLA disinfectants—Rath Mfg. Co., Hedley & Richmond, Phila., Pa.
RATSCH-PEERLESS baseball bats, base balls, foot balls, striking bags—Chicago Sporting Goods Mfg. Co., 211 N. Carpenter, Chicago, Ill.
RATTLER plow potato diggers—Rock Island Plow Co., Rock Island, Ill.
RAULING aluminum panel commercial bodies—R. & L. Baker Co., 2180 W. 25th, Cleveland, Ohio
RAVEN enameled wire—Automatic Electric Co., 1001 W. Van Buren, Chicago, Ill.
RAVEN lunch boxes—Reading Saddle & Mfg. Co., Reading, Pa.
RAVEN padlocks—Slaymaker Lock Co., Lancaster, Pa.
RAVEN rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
RAVEN shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
RAVEN core rubber covered wire—New York Insulated Wire Co., 84 State, Boston, Mass.
Ravenswood glass desk pads—Ravenswood Office Specialties Co., 1800 Newport av, Chicago, Ill.
RAVLWIND-ARGUTO loopers—Arguto Oilless Bearing Co., Wayne Junction, Phila., Pa.
RAW belting—Boston Woven Hose & Rubber Co., Cambridge, Mass.
RAWLINGS base balls, base ball & athletic shoes, base ball masks—Rawlings Mfg. Co., 23rd & Lucas ave, St. Louis, Mo.
RAY socket wrenches—Packer Auto Specialty Co., 1420 S. Michigan, Chicago, Ill.
RAYBESTOS brake bands packing—Raybestos Co., Bridgeport, Conn.
RAYDO liquid metal polish—Ulrich & Co., 363 E. North, Buffalo, N. Y.
RAYFIELD carbureters—Findeisen & Kropf Mfg. Co., 2559 W. 21st, Chicago, Ill.
RAYFORD truck units—Rayford Co., 2d & Indiana, Philadelphia, Pa.
RAYLINE filament tube lamps—Straight Filament Lamp Co., 42 E. 23rd, New York
RAYMOND PULVERIZING air separating systems—Raymond Bros. Impact Pulverizer Co., 1346 N. Branch, Chicago, Ill.
RAYMOND'S lead ferrules—Raymond Lead Wks., 734 S. Washtenaw ave, Chicago, Ill.
RAYNTITE auto top material, fabrikoid type—Du Pont Fabrikoid Co., Wilmington, Del.
RAYO household lamps—Standard Oil Co., of N. Y., 555 W. 25th, New York
RAYO incubators & brooders—Rayo Incubator Co., Omaha, Neb.
RAYO nickel chromium resistance wire—Electrical Alloy Co., Morristown, N. J.
RAZOR edge butchers' knives—Meriden Cutlery Co., Meriden, Conn.
RAZOR BLADE kitchen knives—Gibford-Weiffenbach Co., Adrian, Mich.
REACTION brush holders—Baylis Co., Bloomfield, N. J.
READEANA insect killer—Reade Mfg. Co., Hoboken, N. J.
READINA solution—Reade Mfg. Co., Hoboken, N. J.
READING flag pole brackets—Gray Iron Foundry Co., Reading, Pa.
READING lawn mowers, door checks, locks & knobs—Reading Hardware Co., Reading, Pa.
READING vapor system heating—Reading Heater & Supply Co., Reading, Pa.
READRITE volimeters—Readrite Meter Wks, Bluffton, Ohio
READ'S window stop screws & washers—A. P. Read Co., 568 W. Washington, Chicago, Ill.
READY milling machine dogs—Ready Tool Co., Bridgeport, Conn.
READY payout reels, pole houses—W. G. Nagel Electric Co., Toledo, Ohio
READY throttle & lever valves—Wm. Powell Co., Cincinnati, Ohio
READY-BILT portable fireproof garages — Canton Metal Ceiling Co., Canton, Ohio
READY GRIP wrenches—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
READY ROCK asphalt roofing—Pioneer Paper Co., Los Angeles, Cal.
REAL safety razors—Geo. W. Korn Razor Mfg. Co., Little Valley, N. Y.
REALFLEX steel armored flexible conductors—Youngstown Sheet & Tube Co., Youngstown, Ohio
REAL-LIN economic linseed oil—Am. Wood Preserving Co., 1351 N. Branch, Chicago, Ill.
REAL SOLID aluminum hollow ware—Buckeye Aluminum Co., Wooster, Ohio

REARWIN die filing machines—Oliver Machy. Co., Grand Rapids, Mich.
REARWIN emery wheel dressers—Quadriga Mfg. & Specialty Co., 213 W. Grand ave, Chicago, Ill.
REARWIN emery wheel dressers—H. A. Stocker Machinery Co., 117 N. Jefferson, Chicago, Ill.
REASE economy steam heaters—International Heater Co., Utica, N. Y.
REA'S self-piercing bull's rings—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
REBA wood stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
RECCO centrifugal pumps—Rider-Ericsson Engine Co., 20 Murray, New York
RECO concrete reinforcing materials—Reinforced Concrete Co., Arcade bldg, St. Louis, Mo.
RECO electric sign flashers & electric signs—Reynolds Electric Co., 2650 W. Congress Chicago, Ill.
RECORD padlocks—Sargent Co., New Haven, Conn.
RECORD universal joints—Nilson-Miller Co., 1304 Hudson, Hoboken, N. J.
RECORD tank heaters—B. F. Freeland Sons Co., Sturgis, Mich.
RECTANGULAR churns—A. H. Reid Creamery & Dairy Supply Co., 69 & Haverford, Phila., Pa.
RECTI electric bells—Edwards & Co., 140th & Exterior av. & 140th, New York
RECTOR incandescent gas mantles—Eclipse Light Co., 583 B'way, New York
RED breast packing—Mercer Rubber Co., Hamilton Square, N. J.
RED ARROW explosives (for export only(—du Pont de Nemours & Co., E. I., Wilmington, Del.
RED BRICK mortar color—Ricketson Mineral Paint Works, South Bay, Milwaukee, Wis.
REDBESTOS packing—A. W. Chesterton Co., 64 India, Boston, Mass.
RED BLACK insulating compounds—Consumers' Rubber Co., 829 Superior av, Cleveland, Ohio
RED BULL nail pullers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
RED CHIEF corn shellers—Brinley-Hardy Co., Louisville, Ky.
RED CHIEF feed grinding mills—Red Chief Mfg. Co., Louisville, Ky.
RED CLIPPER pruning shears—Clyde Cutlery Co., Clyde, Ohio
RED CORE wire & cable—General Electric Co., Schenectady, N. Y.
RED CRESCENT packing—Revere Rubber Co., Chelsea, Mass.
RED CROSS belt dressing—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
RED CROSS commutator compounds—Hart & Co., Fostoria, Ohio
RED CROSS explosives—du Pont de Nemours & Co., E. I., Wilmington, Del.
RED CROSS fire hose—Eureka Fire Hose Mfg. Co., 27 Barclay, New York
RED CROSS stoves, furnaces & ranges—Co-Operative Foundry Co., Rochester, N. Y.
RED CROSS metal washboards—National Washboard Co., 72 W. Adams, Chicago, Ill.
RED CROSS pipe joint compound—Edgecombe Co., Cuyahoga Falls, Ohio
RED CROSS soda water fountains—Bishop & Babcock Co., 1204 E. 55th, Cleveland, Ohio
RED CUT SUPERIOR high speed steel—Vanadium Alloy Steel Co., Phila., Pa.
RED DEVIL cement—Three Forks Portland Cement Co., Denver, Colo.
RED DEVIL cement—Union Portland Cement Co., Ogden, Utah
RED DEVIL linemen's tools—Irvington Mfg. Co., Irvington, N. J.
RED DEVIL massage vibrators—New Britain Tool & Mfg. Co., New Britain, Conn.
RED DEVIL meat choppers & tools—Smith & Hemenway Co., 261H B'way, New York & 130H Coit, Irvington, N. J.
RED DEVIL water motors—Divine Bros. Co., Utica, N. Y.
RED DIABLO packing—Bowers Rubber Wks., San Francisco, Cal.
RED DIAMOND packing—Pioneer Rubber Mills Co., Bloomfield, N. J.
RED DRAGON belt dressing, belt cements, pulley covering—Chemical & Engineering Co., Watertown, N. Y.
RED-E boring bars, thread cutting tools, tool holders, tool sets & centers—Ready Tool Co., Bridgeport, Conn.
RED E soldering flux—Chase-Shawmut Co., Newburyport, Mass.
REDEMOTORS gas engines—Elgin Wheel & Engine Co., Elgin, Ill.
REDFIELD hollow cork fishing tackle—F. E. Chester Mfg. Co., 3 Pine, Providence, R. I.
RED H permissible explosives—Hercules Powder Co., Wilmington, Del.
RED HAND paints—Red Hand Compositions Co., Inc., 1 Broadway, New York
RED HAND riveting machines—F. H. Smith Mfg. Co., 3047 Carroll av, Chicago, Ill.
RED HEAD spark plugs—Emil Grossman Mfg. Co., 167 41st, Brooklyn, N. Y
RED HOOF shipping cans—Conneaut Can Co., Conneaut, Ohio
RED HOOP oil cans—Conneaut Can Co., Conneaut, Ohio
RED HOT gasoline blow torches, melting ladles, solder pots—Ashton Mfg. Co., 184 Emmet, Newark, N. J.
RED-HOT heating stove—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
RED HOT tank heaters—Hunt, Helm, Ferris & Co., Harvard, Ill.
REDIFOR bamboo fishing rods—Redifor Rod & Reel Co., Warren, Ohio
REDIFOR fishing reels—Redifor Rod & Reel Co., Warren, Ohio
REDIN-EKSTROM metal punches—Redin, Ekstrom & Co., Rockford, Ill.
RED JACKET canvas stitched belting — National Belting Co., Elyria, Ohio
RED JACKET gaskets—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
RED-JACKET potato sprayer—Field Pump Co., Elmira, N. Y.
RED JACKET pumps—Red Jacket Mfg. Co., Davenport, Ia.
RED JACKET tube cleaners—H. W. Caldwell & Son, 17th & Western av, Chicago, Ill.
RED LABEL brick cutting wire—Webb Wire Wks., New Brunswick, N. J.
RED LABEL dry batteries—Western Electric Co., 463 West, New York
RED LABEL steel wagon skeins—American Skein & Foundry Co., Racine, Wis.
REDLANDS pruning shears—Smith, Seymour & Son, Oakville, Conn.
RED LETTER liquid & paste wood fillers, paints & varnish wood stains—S. E. M. Rice Filler Co., Irvington, N. J.
REDLINE draft gauges—Schaeffer & Budenberg Mfg. Co., S. 5th & Barry Brooklyn, N. Y.
RED LINE gauge glasses—H. A. Rogers Co., 87 Walker, New York
RED LINE hoists—Hobbs Clinton Co., 33 Pearl, Boston, Mass.
RED METAL sash chains—Smith & Egge Mfg. Co., Bridgeport, Conn.
RED OAK flooring—Mitchell Bros. Co., Cadillac, Mich.
RED OAK rubber hose—National India Rubber Co., Bristol, R. I.
RED OAK sheet packing—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
RED RACER children's vehicles—Manumotors Co., Manitowoc, Wis.
REDOXO soapstone & red talc—Bull Run Talc & Soapstone Co., Clifton Station, Va.
RED RIB door hangers—Safety Door Hanger Co., Ashland, Ohio
RED RIDGE axes—American Axe & Tool Co., Glassport, Pa.
RED RING cement—Missouri Portland Cement Co., Post Despatch bldg., St. Louis, Mo.
RED RIVER blast furnaces—Red River Iron Works, Clarksville, Tenn.
RED ROSE packing—Home Rubber Co., Trenton, N. J.
RED RUSTLESS CEMENT pipe joint—Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
RED SEAL chamois—Lasker & Bernstein, 161 William, New York
RED SEAL crayons—Standard Crayon Mfg. Co., Danvers, Mass.
RED SEAL dry batteries—Manhattan Electric Supply Co., 17 Park pl, New York
RED SEAL lye—P. C. Tomson & Co., 29 Washington av, Phila., Pa.
RED SEAL oxide of zinc—New Jersey Zinc Co., 160 Front, New York
RED SEAL rubber tires—Goodyear Tire & Rubber Co., Akron, Ohio
RED SENTRY gasoline pump—S. F. Bowser & Co., Fort Wayne, Ind.
RED SHEETS packing—Voorhees Rubber Mfg. Co., Jersey City, N. J.
RED SHIELD dry batteries—Wesco Supply Co., 7th & Clark av, St. Louis, Mo.
RED SKIN sheet packing—Hewitt Rubber Co., Buffalo, N. Y.

RED SKOOKUM (brass wire inserted) packing—Pioneer Rubber Mills, San Francisco, Cal.
RED SNAKE braided hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
RED STAR boiler compounds—Lake Erie Mfg. Co., Buffalo, N. Y.
RED STAR brewers' pitch—American Pitch Co., 414 Water, Cincinnati, Ohio
RED STAR dry batteries—White Star Battery Co., 126 Chambers, New York
RED STAR explosives (for export only)—du Pont de Nemours & Co., E. I., Wilmington, Del.
RED STAR lubricating oils & greases—A. W. Harris & Co., 17 Battery pl, New York
RED STAR powder polish—J. A. Wright & Co., Keene, N. H.
RED STAR step ladders—Pratt Mfg. Co., Coldwater, Mich.
RED STAR washboards—National Washboard Co., 72 W. Adams, Chicago, Ill.
RED STAR BRAND colored wipers—Sanitary Rag Co., Kalamazoo, Mich.
RED STRIP belting—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
REDTEX plumbers' rubber goods—Canfield Rubber Co., Bridgeport, Conn.
RED TOP boys' axes—Mann Edge Tool Co., Lewistown, Pa.
RED WARRIOR axes—American Axe & Tool Co., Glassport, Pa.
RED WING packing—Goodyear Rubber Co. & Rubber Clothing Co., 787 Broadway, New York
RED WING sheet packing—Goodyear Tire & Rubber Co., Akron, Ohio
REDDEN truck units—Redden Motor Truck Co., 676 Woodward av, Detroit, Mich.
REDWOOD stoves—Pittston Stove Co., Pittston, Pa.
RED & READY gas engines—Havana Mfg. Co., Havana, Ill.
REECE'S new screw plates—Butterfield & Co., Derby Line, Vt.
REECO electric pumps—Rider-Ericsson Engine Co., 20 Murray, New York
REED chucks—R. H. Brown & Co., New Haven, Conn.
REED cultivators—Reed Foundry & Mach. Co., Kalamazoo, Mich.
REED cylinder grease—Reed Oil Co., Atlanta, Ga.
REED drilling machines—Francis Reed Co., Worcester, Mass.
REED hay fork pulleys—F. E. Myers & Bro., Ashland, Ohio
REED hot water radiators—H. B. Smith Co., Westfield, Mass.
REED ISLAND blast furnaces—Va. Iron, Coal & Coke Co., Roanoke, Va.
REED-PRENTICE profiling machines—Reed-Prentice Co., 53 Franklin, Boston; Works, Worcester, Mass.
REEDS marine gears—Lockwood Mfg. Co., 44 N. Market, Boston, Mass.
REEL-Z-UP clothes line reels—W. M. Palmer Mfg. Co., 42 Broadway, New York
REESE broom corn cleaners—F. W. Reese, Paris, Ill.
REESE roof joint—E. L. Parker & Nimmo Co., 203 S. Charles, Baltimore, Md.
REEVES bevels, butt gauges—William Williams, Jr., New Britain, Conn.
REEVES engines—Hope Forge & Machine Co., Mount Vernon, Ohio
REEVES manganese bronze wheels—Paul S. Reeves & Co., 1415 Catharine, Phila., Pa.
REEVES split wood pulleys—Strong, Carlisle & Hammond Co., 336 Frankfort av, Cleveland, Ohio
REEVES threshers, traction engines, wind stackers, grain separators—Emerson-Brantingham Co., Rockford, Ill.
REEVES variable speed transmission—Reeves Pulley Co., Columbus, Ind.
REFLECTRIC illuminated signs—Western Display Co., St. Paul, Minn.
REFLEX gauge glasses—H. A. Rogers Co., 87 Walker, New York
REFLEX hot air furnaces—W. F. Gammeter, Cadiz, Ohio
REFLEX metal polish—McCormick-Murray Mfg. Co., Rock Island, Ill.
REFLEX spark plugs—Reflex Ignition Co., 1708 Payne av, Cleveland, Ohio
REFLEX water gauges—Okadee Co., 14 E. Jackson blvd, Chicago, Ill.
REFLEX water gauges—Sargent Co., 625 W. Jackson blvd, Chicago, Ill.
REFLEX water gauges—Wiltbonco Mfg. Co., 24 Porter, Boston, Mass.
REFLEX water gauges, gauge glasses—Jerguson Gage & Valve Co., Mystic av & Fellsway, Somerville, Mass.



REFLUX vacuum heating valves—Jas. P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
REFLUX JUNIOR vacuum traps—Jas. P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
REFORM currycombs—New York Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
REFORM steel tube thermometers—Schaeffer & Budenberg Mfg. Co., Berry & S. 5th, Brooklyn, N. Y.
REGAL cast iron ranges—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
REGAL coffee mills—Landers, Frary & Clark, New Britain, Conn.
REGAL dashboard clocks—Post & Lester Co., Hartford, Conn.
REGAL flue stops—Roseland Can & Specialty Co. Rockford, Ill.
REGAL gum gaskets & packing—Quaker City Belting Co., 629 Market, Phila., Pa.
REGAL kerosene lamp burners—Wheeling Stamping Co., Wheeling, W. Va.
REGAL lavatories & fittings—Haines, Jones & Cadbury Co., 1136 Ridge ave, Phila., Pa.
REGAL oil—Texas Company, 17 Battery pl, New York
REGAL steam engines—Ames Iron Wks., Oswego, N. Y.
REGAL table silverware & nickel & silver plated knives & forks—Regal Silver Mfg. Co., New Haven, Conn.
REGAL water closets—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
REGAL BRAID sash cords—Puritan Cordage Mills, Louisville, Ky.
REGAN pole rein snaps—Chas. E. Berry, Somerville, Mass.
REGAN'S metallic shingles—Cincinnati Stamping Co., 24 W. McMicken av, Cincinnati, Ohio
REGAR cocks & bibbs—Regar Brass Mfg. Co., 1523 E. 45th, Cleveland, Ohio
REGENERATIVE FLAMING arc light carbons—Nat'l Carbon Co., Madison av N. W. & W. 117th, Cleveland, Ohio
REGENT acid proof belting & packing, mfrs. sheet packing—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
REGENT babbitt metal—More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
REGENT stoves & steel ranges—Pueblo Brass & Iron Foundry, Pueblo, Colo.
REGINA packing—Crandall Packing Co., Palmyra, N. Y.
REGINA vacuum cleaners—Regina Co., 47 W. 34th New York
REGIS card tables—E. T. Burrows Co., Portland, Me.
REGULAR sheet & square pump packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
REHN'S water softening & purifying apparatus—Compound Injector & Specialty Co., 419 N. Laramie ave, Chicago, Ill.
REICHERT tire chains for auto trucks & pleasure cars—Imperial Bit & Snap Co., Racine, Wis.
REID gas engines—Frick-Reid Supply Co., Sandusky & Robinson, Pittsburgh, Pa.
REID screw drivers, churns, cream separators—A. H. Reid Creamery & Dairy Supply Co., 69th & Haverford, Phila., Pa.
REID surface grinders—Reid Bros. Co., Beverly, Mass.
REID'S creamery churns—Vermont Farm Machine Co., Bellows Falls, Vt.
REID'S PUTZ metal polish—W. E. Reid Mfg. Co., 17 Caldwell, Boston, Mass.
REID'S PUTZ POMADE metal polish—W. W. Reid Mfg. Co., 17 Caldwell, Boston, Mass.
REILLY feed water heaters, distilling evaporators, oil filters, oil extractors, steam heaters, hot water distillers, water generators, water filters—Griscom-Russell Co., 92 West, New York
REILLY steam pumps—National Foundry & Machine Co., Louisville, Ky.
REINERT jolting screens—Link-Belt Co., 329 W. 39th, Chicago, Ill.
REISCHSANSTALT photometers—Leeds & Northrup Co., 4901 Stenton av, Phila., Pa.
REISING targets, pistols—Ainslie Mach. & Tool Wks., 111 Laurel, Hartford, Conn.
REKFORD superior steel—Horace T. Potts & Co., 318 N. 3rd, Phila., Pa.
RELAX spring hinges—Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
RELIABLE babbitt metal—Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
RELIABLE bone mills—Mountville Mfg. Co., Mountville, Pa.
RELIABLE carriage fasteners—Jos. N. Smith & Co., 2461 E. Grand blvd, Detroit, Mich.

**RELIABLE** disc sharpeners—R. Herschel Mfg. Co., Peoria, Ill.
**RELIABLE** door hangers, drop fire doors & rolling ladders—Allith-Prouty Co., Danville, Ill.
**RELIABLE** dust arresters, mills & fdry. machy.—Dayton-Dowd Co., Quincy, Ill.
**RELIABLE** electric hoists—A. J. Cline, 343 S. Dearborn, Chicago, Ill.
**RELIABLE** electric horse clippers, wire connectors—Reliable Electric Co., 413 Sangamon, Chicago, Ill.
**RELIABLE** extension ladders—Rich Pump Co., South & Depot, Cincinnati, Ohio.
**RELIABLE** brazier gas radiators, gas ovens, gasoline burners, heaters, stoves, toasters—Reliable Stove Co., 1787 E. 40th, Cleveland, Ohio
**RELIABLE** gas stoves, radiators, burners, grates, gasoline blow torches, oil stoves & heaters—American Stove Co., 827 Chouteau av, St. Louis, Mo.
**RELIABLE** grease cups—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
**RELIABLE** hose couplings—Rauch Mfg. Co., Galena, Kan.
**RELIABLE** hot air furnaces—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
**RELIABLE** jacks, folding scaffold brackets—Elite Mfg. Co., Ashland, Ohio
**RELIABLE** lightning arresters—Reliable Electric Co., 413 S. Sangamon, Chicago, Ill.
**RELIABLE** low water alarms—J. E. Lonergan Co., 211 Race, Philadelphia, Pa.
**RELIABLE** lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
**RELIABLE** PLAIN oil & grease cups—Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
**RELIABLE** puzzle key rings—Browne & Dowd Mfg. Co., Meriden, Conn.
**RELIABLE** reinforcing bar benders—McKenna Co., 1851 E. 38th, Cleveland, Ohio
**RELIABLE** rubber belting—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
**RELIABLE** safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
**RELIABLE** shipping cans—Roseland Can & Specialty Co., Rockford, Ill.
**RELIABLE** standard lamp black—Bihn & Wolff Co., Ash & Almond, Phila., Pa.
**RELIABLE** steel tape—Lufkin Rule Co., Saginaw, Mich.
**RELIABLE** taps, stocks & dies—Conant & Donelson Co., Conway, Mass.
**RELIABLE** storage batteries—Storage Battery Supply Co., 239 E. 27th, New York
**RELIABLE** sulky hay rakes—Thomas Mfg. Co., Springfield, Ohio
**RELIABLE** vacuum cleaners—Clements Mfg. Co., 609 Fulton, Chicago, Ill.
**RELIABLE** wagon jacks—Buffum Tool Co., South Side, Louisiana, Mo.
**RELIABLE** washboards—National Washboard Co., 72 W. Adams, Chicago, Ill.
**RELIABLE** water pressure regulators—Cooper Sanitary Mfg. Co., Phila., Pa.
**RELIANCE** ammeters & voltmeters—Reliance Instrument Co., 1313 Moorman, Chicago, Ill.
**RELIANCE** batteries—Storage Battery Supply Co., 239 E. 27th, New York
**RELIANCE** belting—Chicago Belting Co., 125 N. Green, Chicago, Ill.
**RELIANCE** blotting paper—Albermarle Paper Mfg. Co., Richmond, Va.
**RELIANCE** boiler tubes—Allegheny Steel Co., Oliver bldg, Pittsburgh, Pa.
**RELIANCE** bolt cutting & threading machines—Foote-Burt Co., 4101 St. Clair av, Cleveland, Ohio
**RELIANCE** brake beams—Chicago Railway Equipment Co., 1928 W. 46th, Chicago, Ill.
**RELIANCE** canvas wheels, plating barrels—Chas. F. L'Hommedieu & Sons Co., 24 S. Clinton, Chicago, Ill.
**RELIANCE** chisels, drawing knives—Greenlee Bros. & Co., Rockford, Ill.
**RELIANCE** corn & cob mills—Sandwich Mfg. Co., Sandwich, Ill.
**RELIANCE** door hangers, elevator door hangers & safety devices—Reliance-Grant Elevator Equipment Corp., 101 Madison av, New York
**RELIANCE** door springs—Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
**RELIANCE** electric bells & speaking tubes—Keil Francis & Son, 401 E. 163d, New York
**RELIANCE** electric motors & generators—Reliance Electric & Engng. Co., 1064 Ivanhoe rd, Cleveland, O.
**RELIANCE** fire hose—Boston Coupling Co., 156 Pearl, Boston, Mass.
**RELIANCE** fish line—Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
**RELIANCE** garden cultivators—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
**RELIANCE** gauge cocks, safety water columns, steam traps, water gauges—Reliance Gauge Column Co., Cleveland, Ohio
**RELIANCE** grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
**RELIANCE** hoisting engines—Reliance Machine & Tool Works, Channing & Franklin avs, St.. Louis, Mo.
**RELIANCE** horse nails—Fowler Nail Co., Seymour, Conn.
**RELIANCE** hydraulic jacks—Dienelt & Eisenhardt, 1304 N. Howard, Phila., Pa.
**RELIANCE** hydraulic jacks—Philip S. Justice & Co., 421 Chestnut, Phila., Pa.
**RELIANCE** ice creepers—Jas. B. Holderbaum, Somerset, Pa.
**RELIANCE** lock washers—Reliance Mfg. Co., Massillon, Ohio
**RELIANCE** lubricating oils & greases—Haggerty Refining Co., 50 South, New York
**RELIANCE** mop wringers—August Schubert Wagon Co., Oneida, N. Y.
**RELIANCE** mop wringers—Lee Chair Co., Oneida, N. Y.
**RELIANCE** motor charging rheostats—Reno-Kaetker Electric Co., Gerke bldg, Cincinnati, Ohio
**RELIANCE** numbering machines—Cushman & Denison Mfg. Co., 240 W. 23rd, New York
**RELIANCE** packing—Pioneer Rubber Mills, San Francisco, Cal.
**RELIANCE** packing—Empire Tire & Rubber Corp., Trenton, N. J.
**RELIANCE** rock crushers, stone crushing plants, road oilers, street sprinkling carts & sweeping machinery—Universal Road Machinery Co., Kingston, N. Y.
**RELIANCE** ashphalt roofing—Sall Mountain Co., 305 S. La Salle, Chicago, Ill.
**RELIANCE** sash operating device—Payson Mfg. Co., 2918 W. Jackson blvd, Chicago, Ill.
**RELIANCE** shears & scissors, tinners snips—W. H. Compton Shear Co., 314 Camden, Newark, N. J.
**RELIANCE** speedometers & aeroplane tachometers—Nelson Blower & Furnace Co., L & Elkins, Boston, Mass.
**RELIANCE** speedometers & tachometers—Nelson Instrument Co., 11 Elkins, Boston, Mass.
**RELIANCE** typewriter ribbons—H. M. Storms Co., 11 Vandewater, New York
**RELIANCE** wood fibre wall plaster—Empire Gypsum Co., Rochester, N. Y.
**RELIANCE** wooden toggles—Reliance Toggle & Machine Co., Lowell, Mass.
**RELIEF** fire hose—Republic Rubber Co., Youngstown, Ohio
**RELIO** leaf spring oilers—Brown Spring Oiler Co., 6911 Carnegie av, S. E., Cleveland, Ohio
**RELLIM** toothless harrows—Miller & Rellim Co., College, Corner, Ohio
**RELYO** closet seats—Haines, Jones & Cadbury Co., 1136 Ridge av, Phila., Pa.
**REM** oil, lubricating oil for cleaning guns & revolvers—Remington Arms Union Metallic Cartridge Co., Inc., 233 B'way, New York
**REMCO** garbage cans—Republic Metalware Co., Buffalo, N. Y.
**REMEK** knife switches, transformers—Crocker-Wheeler Co., Ampere, N. J.
**REMINDO** switch & buzzer—General Elec. Co., Schenectady, N. Y.
**REMINGTON** steam heaters—Phelps Bros Co., 101 Beekman, New York
**REMINGTON** U. M. C. ammunition & cartridge primers—Remington Arms Union Metallic Cartridge Co., Inc., 233 B'way, New York
**REMORA** packing—H. Johnson Co., ft. Gates av, Jersey City, N. J.
**RE-MO-VIT** paint & varnish remover—Flint Varnish Works, Flint, Mich.
**REMY** igniters—Remy Electric Co., Anderson, Ind.
**RENEWABLE** globe valves—Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
**RENEWO** valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
**RENIM** junction boxes, electric bell floor treads—Renim Specialty Co., Brighton, Mass.
**RENO** wall plaster—Pacific Portland Cement Co., Con., San Francisco, Cal.
**RENOWN** babbitt metal—Metal Sales Co., Cleveland, Ohio
**RENOWN** grease cups—Wm. Powell Co., Cincinnati, Ohio

RENOWN lubricating oils & greases—Standard Oil Co. of N. Y., 555 W. 25th, New York
RENOWN stoves—Independent Stove Co., Owosso, Mich.
RENSHAW ratchet drills—Pratt & Whitney Co., Hartford, Conn.
REPAUNO explosives—du Pont de Nemours Co., E. I., Wilmington, Del.
REPELLO asphalt ready roofing—Safepack Mills, 727 Atlantic av, Boston, Mass.
REPELLO automobile horns—Premier Electric Co., 1123 S. Wabash av, Chicago, Ill.
REPUBLIC axes—Rubinow Edge Tool Works, 35 Vesey, Newark, N. J.
REPUBLIC belting—Mau-Sherwood Supply Co., 1616 W. 3d, Cleveland, Ohio
REPUBLIC gas engine lubricators—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
REPUBLIC gas ranges—Republic Stove & Mfg. Co., 1802 E 40th, Cleveland, Ohio
REPUBLIC oil well belting, rubber hose & tires—Republic Rubber Co., Youngstown, Ohio
REPUBLIC wash boilers—Republic Metalware Co., Buffalo, N. Y.
REQUOT hot water heaters—Hopson & Chapin Mfg. Co., New London, Conn.
RES toilet paper holders, towel bars, sash curtain rods—Res Mfg. Co., 2907 Meinecke av, Milwaukee, Wis.
RESCUE fire extinguishers—S. F. Hayward & Co., 250 W. 54th, New York
RESCUE fire hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
RESERVE oil cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
RESILIA spring steel—Cambria Steel Co., Widener bldg, Phila., Pa.
RESISTAL goggles & eye protectors—Strauss & Buegeleisen, 16 Hanover pl, Brooklyn, N. Y.
RESISTO asphalt ready roofing—Safepack Mills, 727 Atlantic av, Boston, Mass.
RESISTO gauge glasses—Schaeffer & Budenberg Mfg. Co., Berry & S. 5th, Brooklyn, N. Y.
RETAW waterproofing materials—National Roofing Co., Tonawanda, N. Y.
RETRIEVER car bells & gongs—J. G. Brill Co. 62nd & Woodland av, Philadelphia, Pa.
REUTER multiplying & dividing machines—Carl H. Reuter, Land Title bldg., Phila., Pa.
REUTHER potato diggers—S. H. Peck's Sons, East Aurora, N. Y.
REVELATION china kilns—H. J. Caulkins & Co., State & Griswold, Detroit, Mich.
REVER public urinals—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
REVERE packing & hose—Revere Rubber Co., Chelsea, Mass.
REVERE rubber tires—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
REVERSIBLE ice creepers—Norlund Mfg. Co., Williamsport, Pa.
REVERSIBLE ratchet wrenches—Lowell Wrench Co., Worcester, Mass.
REVERSIBLE roll paper cutters—Hilts Wrench & Mfg. Co., Richford, N. Y.
REVERSO water closets—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162d, New York
RE-VI-VAR varnish, furniture polish—Nubian Paint & Varnish Co., 1856 Leclaire av, Chicago, Ill.
REVOLUTION spring tooth & stalk cutter attachments—B. F. Avery & Sons, Louisville, Ky.
REVOLVATOR portable elevators—Revolvator Co., 395 Garfield av, Jersey City, N. J.
REVONOCK hdwe. tools & cutlery—Hibbard, Spencer & Bartlett Co., 303 N. State, Chicago, Ill.
REX anti slip brake wafers—Arminger Chemical Co., 2155 Austin av, Chicago, Ill.
REX babbitt metal—More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
REX ball vises—Adolph Muehlmatt, 17 Lion bldg., Cincinnati, Ohio
REX barn door latches—Arcade Mfg. Co., Freeport, Ill.
REX bath & basin plugs—Jenkins Mfg. Co., Bloomfield, N. J.
REX battery motors—Davis Kendrick Co., Lebanon, N. H.
REX belting—Barnum Bros. Co., Troy, N. Y.
REX boat anchors—Pendleton Co., 308 S. Water, Providence, R. I.
REX dish mops—Eagle Woodenware Mfg. Co., Hamilton, Ohio
REX electric bells—P. R. Mfg. Co., Detroit, Mich.
REX electric car headlights—Dayton Mfg. Co., Dayton, Ohio
REX electric massage vibrators—P. A. Geier Co., Cleveland, Ohio



REX enamels—Edw. Smith & Co., 127 West av, Long Island City, N. Y.
REX feed cookers—Treaty Co., Greenville, Ohio
REX feed cutters—Warsaw-Wilkinson Co., Warsaw, N. Y.
REX fire extinguishers—Missouri Lamp & Mfg. Co., 114 Elm, St. Louis, Mo.
REX gas burners, furnaces & heaters—Calkins & Pearce, 751 E. Long, Columbus, O.
REX gas & marine engines—Neponset Engine & Mach. Co., Neponset, Boston, Mass.
REX grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
REX hand vacuum cleaners—Rex Cleaner Co., 431 Kent av, Brooklyn, N. Y.
REX hose, gasoline & flexible metallic tubing—Chicago Tubing & Braiding Co., 216 N. Clinton, Chicago, Ill.
REX insulating compounds, paints & paper—Flintkote Co., 88 Pearl, Boston, Mass.
REX ironing machines—Adams Laundry Machinery Co., Troy, N. Y.
REX laundry stoves—Gray & Dudley Hdwe. Co., Nashville, Tenn.
REX lead pipe benders—Jas. McCrea & Co., 562 N. Washington, Chicago, Ill.
REX lubricating oils & axle greases—Marshall Oil Co. of Iowa, Marshalltown, Ia.
REX nail pullers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
REX natural gas burners—Lawson Mfg. Co., Lexington & Thomas, Pittsburgh, Pa.
REX non-inflammable metal polish, carriage top dressing—Armiger Chemical Co., 2155 Austin av, Chicago, Ill.
REX packing—Crandall Packing Co., Palmyra, N. Y.
REX packing—Goetze Gasket & Packing Co., New Brunswick, N. J.
REX padlocks—Slaymaker Lock Co., Lancaster, Pa.
REX paint waterproofing materials—Ajax Paint Co., Indianapolis, Ind.
REX pipe bends & coils—M. B. Skinner Co., 562 W. Washington, Chicago, Ill.
REX rat traps—Lovell Mfg. Co., Erie, Pa.
REX steel hot air furnace cleaners—Federal Stamping Co., Holland, Mich.
REX switch boxes, electric fixture studs, ground connection clamps—W. H. Colgan Co., West Newton, Mass.
REX vises—Prentiss Vise Co., 110 Lafayette, New York
REX water closets—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
REX water heaters—Cleveland Heater Co., 1905 W. 112th, Cleveland, Ohio
REX well drilling machinery—Lucey Mfg. Corp., 233 B'way, New York
REX A high speed steel—Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
REXALL canvas stitched belting—Imperial Belting Co., 400 N. Lincoln, Chicago, Ill.
REX A. A. high speed steel—Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
REX A. A. A. high speed steel—Crucible Steel Co. of America, Oliver bldg, Pittsburgh, Pa.
REX ADAMANT sanitary flooring—Flintkote Co., 88 Pearl, Boston, Mass.
REX-CRESCENT water closets—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
REX DIAMOND POINT strip felt & asphalt slate shingles & roofing felts—Flintkote Co., 88 Pearl, Boston, Mass.
REX FLINTKOTE roofing—Flintkote Co., 88 Pearl, Boston, Mass.
REX INLAID roofing—Flintkote Co., 88 Pearl, Boston, Mass.
REXO automobile & electric horns—General Phonograph Mfg. Co., Elyria, Ohio
REX RED roofing—Flintkote Co., 88 Pearl, Boston, Mass.
REX REVERSIBLE POINT strip felt & asphalt slate shingles & roofing felts—Flintkote Co., 88 Pearl, Boston, Mass.
REX SLATE SURFACED roofing—Flintkote Co., 88 Pearl, Boston, Mass.
REX STRIP asphalt, slate surfaced shingles—Flintkote Co., 88 Pearl, Boston, Mass.
REX-TAN waterproof belting—Bonner & Barnewall, 30 Church, New York
REX WIDE SPACE asphalt & roofing felt, shingles—Flintkote Co., 88 Pearl, Boston, Mass.
REYNOLDS air compressors, gas compressors, Corliss engines, pumping engines—Allis-Chalmer Mfg. Co., Milwaukee, Wis.
REYNOLDS automatic power screw driving machines—Reynolds Machine Co., Massillon, Ohio
REYNOLDS baseball gloves—Rawlings Mfg. Co., 23rd & Lucas av, St. Louis, Mo.

REYNOLDS grain car loaders—E. Bauder, Sterling, Ill.
REYNOLDS trace carriers—Frazer & Jones Co., Syracuse, N. Y.
REYNOLDS tread horse powers—Messinger Mfg. Co., Tatamy, Pa.
REYNOLDS trucks—Lansing Co., Lansing, Mich.
RHEINHOLD ice breakers—G. S. Blakeslee & Co., W. 19th & S. 52nd av, Chicago, Ill.
RHENAG gauge glasses—A. W. Chesterton Co., 64 India, Boston, Mass.
RHINELAND thrust bearings—Rhineland Machine Works Co., 1737 Broadway, New York
RHINO brand calking & glazing putty compound—Pecora Paint Co., 4th & Sedgleyas av, Phila., Pa.
RHINO rubber hose—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
RHOADES bobbin holders—Draper Corp., Hopedale, Mass.
RHOADES-CHANDLER spinning frame separators—Draper Corp., Hopedale, Mass.
RHODE ISLAND hoes—Union Fork & Hoe Co., Columbus, Ohio
RHODES pruning shears—Rhodes Mfg. Co., Grand Rapids, Mich.
RHODES pumice brick—James H. Rhodes & Co., 2810 S. Albany, Chicago, Ill.
RHODES slotting machines—Rhodes Mfg. Co., 984 Park, Hartford, Conn.
RIBBONIZED metallic packing—Glacier Metal Co., Hull & 22nd, Richmond, Va.
RICE gas engines—Trenton Malleable Iron Co., Trenton, N. J.
RICE potato diggers—Keystone Machine Co., York, Pa.
RICE steam engines--Providence Engineering Corp., 521 S. Main. Providence, R. I.
RICE vises—Illinois Iron & Bolt Co., Carpentersville, Ill.
RICE & SARGENT corliss engines—Providence Engineering Works, 521 S Main, Providence, R. I.
RICE'S iron & steel filler cements—U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
RICH barley graders—S. Howes Co., Silver Creek, N. Y.
RICH drill chucks—Clark Equipment Co., Buchanan, Mich.
RICHARD engine & machine oilers—Ansonia Novelty Co., Ansonia, Conn.
RICHARD PEERLESS barn door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
RICHARDS aluminum solder—Janney, Steinmetz & Co., 1421 Chestnut, Phila., Pa.
RICHARDS babbitt metal & solder—Richards & Co., Inc., 192 Beverly, Boston, Mass.
RICHARDS door hangers, door pulls, door stays, grindstone fixtures, grandstones, post hole augers, window sash pivots, fuse sinks, wire stretchers, adjustable wrenches, wagons, jacks & stake pockets—Richards-Wilcox Mfg. Co., Aurora, Ill.
RICHARDS pulsator coal jigs & slime classifiers—Denver Engineering Works Co., Denver, Colo.
RICHARDS tablet machines—Hess & Barker, 618 Chestnut, Phila., Pa.
RICHARDS testing scales—Delaware Metal Refinery, 18th & Washington av, Phila., Pa.
RICHARDS BOSS barn door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
RICHARDS-WILCOX automatic fire door fittings, sliding door locks, barn door rollers, foot scrapers & overhead trolleys—Richards-Wilcox Mfg. Co., Aurora, Ill.
RICHARDSON centrifugal metal part dryers—Smith-Richardson Co., Attleboro, Mass.
RICHARDSON emery & corundum wheels—Waltham Pocket Grinding Wheel Co., Waltham, Mass.
RICHARDSON gas producers—Ceramic Supply & Construction Co., Columbus, Ohio
RICHARDSON levels—Goodell-Pratt Co., Greenfield, Mass.
RICHARDSON rules—Geo. W. Richardson, 4212 W. 24th pl, Chicago, Ill.
RICHARDSON scales counting machines, bag filling machines—Richardson Scale Co., 8 Colfax av, Passaic, N. J.
RICHARDSON steam heaters—Richardson & Boynton, 31 W. 31st, New York
RICHARDSON valves—H. G. Hammett, Troy, N. Y.
RICHARDSON ventilators—New England Ventilating & Heating Co., 926 Manton av, Providence, R. I.
RICHARDSON BROS. circular saws—National Mfg. & Steel Supply Co., 781 Summit, Newark, N. J.
RICHMOND baseball bats—E. C. Brinser & Sons, Richmond, Va.
RICHMOND eave-trough hangers—Eureka Fence Mfg. Co., Richmond, Ind.
RICHMOND ELECTRIC DRIVEN clothes washing machines—Richmond Cedar Works, Fulton, Richmond, Va.
RICHMOND fertilizer distributors—Wirtz & Hernlen, Augusta, Ga.
RICHMOND flour packing machines—P. F. Campbell, 55 Laurel, Phila., Pa.
RICHMOND lawn mowers—Dille & McGuire Co., Richmond, Ind.
RICHMOND road oil—Standard Oil Co., 200 Bush, San Francisco, Cal.
RICHMOND vacuum cleaners, heaters, radiators—Richmond Radiator Co., 1480 Broadway, New York
RICHMOND woven wire fences—Elliott & Reid Co., Richmond, Ind.
RICHTONE wall finish—Arlington Mfg. Co., Canton, Ohio
RICKETTS garbage disposal plants—Nightingale Co., 103 Park av, New York
RICKETTS illuminated elevator thresholds—Elevator Supplies Co., Hoboken, N. J.
RICO car buffers & street car straps—Railway Improvement Co., 61 B'way, New York
RIDGE'S prepared cereal foods—Ridge's Food Co., 20 Yeoman, Boston, Mass.
RIDGEWOOD rubber hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
RIDLON electrical bearings—Frank Ridlon Co., 251 A, Boston, Mass.
RIEK'S Christmas tree holders—Rhinelander Refrigerator Co., Rhinelander, Wis.
RIE NIE air drying enamels, auto dressing, lubricating oils & greases, soaps, tire patches, valve grinding compounds & rubber cement—Durkee-Atwood Co., 40 Wilder, Minneapolis, Minn.
RIES incandescent lamp sockets—W. T. Pringle, Phila., Pa.
RIGGS improved plows—Thos. Peppler Son & Co., Hightstown, N. J.
RIGHT GASCO gaskets & washers—Gasket Supply Co., 1729 Ludlow, Phila., Pa.
RILEY automobile wind shields—Riley Bros., Bridgeton, N. J.
RILEY stokers—Riley Sanford Stoker Co., Worcester, Mass.
RIMCO pliers & screwdrivers—Rubber Insulated Metals Corp., Plainfield, N. J.
RINEK manila rope—Rinek Cordage Co., Easton, Pa.
RING paper clips—Noesting Pin Ticket Co. Inc., Mt. Vernon, N. Y.
RINGMETER garden hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
RING-ROLL MILL pulverizing machy. — Sturtevant Mill Co., Clayton & Park, Dorchester, Boston, Mass.
RIO D'ORO dyewood extracts—Jamaica Dyewood & Chemical Co., 50 Church, New York
RIPLEY concrete piles—Monks-Ripley Pile Co., 82 Beaver, New York
RIPLEY grain scoops—Jackson Shovel & Tool Co., Montpelier, Ind.
RIPLEY isinglass—Howe & French Isinglass Co., 110 State, Boston, Mass.
RIPOLIN enamels—J. A. & W. Bird & Co., 88 Pearl, Boston, Mass.
RIPPER peanut roasters—Bartholomew Co., Peoria, Ill.
RISINGER gas lamps, gas lighting systems—Risinger Bros. Co., East Liverpool, Ohio
"RISING CITY" yard hydrants—D. A. Hinman & Co., Sandwich, Ill.
RISING SUN packing—Cancos Mfg. Co., Garden & Bridge, Phila., Pa.
RISING SUN radiators—South Park Foundry & Machine Co., St. Paul, Minn.
RITCHIE gas engines—Wogaman Bros. Co., Greenville, Ohio
RITESHAPE wooden dish—Oval Wood Dish Corp., Tupper Lake, N. Y.
RITTENHOUSE conduit benders—A. E. Rittenhouse Co., Honeoye Falls, N. Y.
RITTENHOUSE grass seeders — J. F. Rittenhouse, Liberty Mills, Ind.
RITTER air compressors, laboratory lathes, dental chairs & engines—Ritter Dental Mfg. Co., Rochester, N. Y.
RITZ polishing cloths—John Ritzenthaler, 73 Franklin, New York
RIVAL annunciators—Electric Goods Mfg. Co., Canton, Mass.
RIVAL apple paring machines—Boutell Mfg. Co., Rochester, N. Y.
RIVAL ash sieves—Geo. H. Jelliff & Son, New Canaan, Conn.
RIVAL belt fasteners—Mfrs. Belt Hook Co., 1321 W. Congress, Chicago, Ill.

RIVAL carbon paper, typewriter ribbons—J. A. Heale & Co., 96 John, New York
RIVAL cooking stoves—Odin Stove Mfg. Co., Erie, Pa.
RIVAL garden cultivators—Brown-Manly Plow Co., Malta, Ohio
RIVAL garden cultivators—Thornburgh Mfg. Co., Bowling Green, Ohio
RIVAL hand carts—La Crosse Plow Co., La Crosse, Wis.
RIVAL hose—Empire Tire & Rubber Corp., Trenton, N. J.
RIVAL peanut roasters—Bartholomew Co., Peoria, Ill.
RIVAL post hole diggers—F. E. Kohler Co., Canton, Ohio
RIVAL spark plugs—Hampshire Mfg. Co., Hatfield, Mass.
RIVAL steel tape—Lufkin Rule Co., Saginaw, Mich.
RIVAL stove pipe & elbows—A. Geisel Mfg. Co., 219 S. 2nd, St. Louis, Mo.
RIVALITE metallic packing—Strong Machinery & Supply Co., 21 Walker, New York
RIVERSIDE absorbent cotton—Am. Gauze & Cotton Co., Inc., 407 N. 8th, St. Louis, Mo.
RIVERSIDE calcined plaster—Rock Plaster Mfg. Co., 381 4th av, New York
RIVERSIDE cement—Riverside Portland Cement Co., Mills bldg, San Francisco, Cal.
RIVERSIDE stoves & ranges—Rock Island Stove Co., Rock Island, Ill.
RIVETT bench lathes—Rivett Lathe & Grinder Co., 2 Brooks, Brighton, Boston, Mass.
RIX gear grease—Marshall Oil Co. of Iowa, Marshalltown, Ia.
RIXSON door checks, door stops—Oscar C. Rixson Co., 501 S. Jefferson, Chicago, Ill.
ROACH rail joints—Reinforced Rail Joint Co., Syndicate Trust bldg, St. Louis, Mo.
ROADOIL road binders & preservatives—Pure Oil Co., Lafayette bldg, Phila., Pa.
ROANOKE clothes washing machines—Altorfer Bros. Co., Peoria, Ill.
ROB flushing valves—McShane Bell Foundry Co., Harford av, Baltimore, Md.
ROBACO steam & hot water heaters—Roberts-Hamilton Co., Minneapolis, Minn.
ROBAL pickled steel strips—National Pressed Steel Co., Massillon, Ohio
ROBB fixture insulating joints—Mitchell Vance Co., 507 W. 24th, New York
ROBB water tube boilers—International Engineering Works, Framingham, Mass.
ROBBINS chain tongs—Rochester Drop Forge Co., Rochester, N. Y.
ROBBINS maple flooring—Robbins Lumber Co., Rhinelander, Wis.
ROBBINS pipe tongs—Oil Well Supply Co., 215 Water, Pittsburgh, Pa.
ROBBINS potato planters—Bateman Mfg. Co., Grenlock, N. J.
ROBERTS alcohol torches—H. C. Roberts Elec. Supply Co., 11th & Race, Phila., Pa.
ROBERTS bolt clippers—Roberts Mfg. Co., Somerville, Mass.
ROBERTS boring machines—Jas. McCrea & Co., 562 W. Washington, Chicago, Ill.
ROBERTS drink mixers, churns & egg & cream beaters—Roberts Lightning Mixer Co., 39 Pearl, Boston, Mass.
ROBERTS lineman's climbers—Ransome Concrete Machinery Co., Dunellen, N. J.
ROBERTS steam heaters—Freed Heater Co., Collegeville, Pa.
ROBERTSON blow-off valves—Jno. F. Robertson Co., Park bldg, Pittsburgh, Pa.
ROBERTSON car roofing—Asbestos Protected Metal Co., Beaver Falls, Pa.
ROBERTSON cinder pit conveyors, pneumatic sand hoists, sand towers—Wm. Robertson & Co., 20 W. Jackson blvd, Chicago, Ill.
ROBERTSON dis washing powder—Theo. B. Robertson Products Co., 700 W. Division, Chicago, Ill.
ROBERTSON steam engine indicators—Jas. L. Robertson & Son, 78 Murray, New York
ROBIN HOOD chloride of lime—F. T. Horton, Hoboken, N. J.
ROBINS belt conveyors & rubber belting—Robins Conveying Belt Co., 13 Park row, New York
ROBINSON folding bath tubs—Davol Rubber Co., 69 Point, Providence, R. I.
ROBINSON tube cleaner—A. W. Chesterton Co., 64 India, Boston, Mass.
ROBINSON vises, scratch awls—M. W. Robinson Co., 296 B'way, New York
ROB ROY belting—B. F. Goodrich Co., Akron, Ohio
ROBSON oven illuminators—Chas. Robson & Co., 8th & Washington av, Phila., Pa.



ROCBOND stucco—Rocbond Co., Wren, Ohio
ROCHESTER apple slicing machinery—Boutell Mfg. Co., Rochester, N. Y.
ROCHESTER automobile towing ropes—Barker Mfg. Co., Rochester, N. Y.
ROCHESTER helve hammers—West Tire Setter Co., Rochester, N. Y.
ROCHESTER lubricators—Greene, Tweed & Co., 109 Duane, New York
ROCHESTER shaft oilers, oil fuse boxes—Riker Mfg. Co., Rochester, N. Y.
ROCHESTER time recorders—International Time Recording Co. of N. Y., Endicott, N. Y.
ROCHESTER washing machines—Rochester Rotary Washer Co., Rochester, N. Y.
ROCH-NO insecticide—Plunkett Chemical Co., 2540 Cottage Grove av, Chicago, Ill.
ROCHOW veneer cutting machines—Norman Hubbard's Sons, 265 Water, Brooklyn, N. Y.
ROCK wall finish & plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
ROCK wall plaster—Rock Plaster Mfg. Co., 381 4th av, New York
ROCKALYTE roofing paints—Continental Paint & Mfg. Co., Cleveland, Ohio
ROCKAWAY pump governors—Kieley & Mueller, 34 W. 13th, New York
ROCKBARNES paper fasteners—Rockwell-Barnes Mfg. Co., 823 S. Wabash av, Chicago, Ill.
ROCKBESTOS insulated wire—Marlin-Rockwell Corp., New Haven, Conn.
ROCKDALE pruning shears—Smith, Seymour & Son, Oakville, Conn.
ROCKDALE MILLS stair treads—Woonsocket Mach. & Press Co., Woonsocket, R. I.
ROCKE portable grain elevators—Meadows Mfg. Co., Pontiac, Ill.
ROCK EMERY MILL pulverizing machy.—Sturtevant Mills Co., Clayton & Park, Dorchester, Boston, Mass.
ROCKER maple sugar evaporators—C. S. Bell Co., Hillsboro, Ohio
ROCKFORD cultivators, fire benders, fire upsetters, gang plows, harrows & pulverizers, sulky plows—Rockford Mfg. Co., Rockford, Ill.
ROCKFORD drawer construction cutters—Redin, Ekstrom & Co., Rockford, Ill.
ROCKFORD drilling machines—Rockford Drilling Machine Co., Rockford, Ill.
ROCKFORD flour sieves—Roseland Can & Specialty Co., Rockford, Ill.
ROCKFORD flue stops—Roseland Can & Specialty Co., Rockford, Ill.
ROCKFORD planing machines—Rockford Machine Tool Co., Rockford, Ill.
ROCKFORD planing machines—Jos. T. Ryerson & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
ROCKFORD power presses—Rockford Iron Works, Rockford, Ill.
ROCKFORD JR. sulky plows—Rockford Mfg. Co., Rockford, Ill.
ROCKHARD maple flooring—Mitchell Bros. Co., Cadillac, Mich.
ROCK ISLAND anvils & vises—Rock Island Mfg. Co., Rock Island, Ill.
ROCK ISLAND neck yokes, neck yoke centers—National Neck Yoke Co., Rock Island, Ill.
ROCK ISLAND plows, plow coulters, riding listers, corn planting drills—Rock Island Plow Co., Rock Island, Ill.
ROCK RIVER hay carriers—Strickler Hay Tool Co., Janesville, Wis.
ROCK-RUN blast furnaces—Bass Fdry & Machine Co., Rock Run, Ala.
ROCKING fruit & vegetable parers—Hudson Parer Co., Leominster, Mass.
ROCKWELL crucible & metal furnaces—W. S. Rockwell Co., 50 Church, New York.
ROCKWELL fuel oil burners, melting & rivet heating furnaces—Monarch Engng. & Mfg. Co., American Bldg., Baltimore, Md.
ROCKWOOD pig iron—Roane Iron Co., Chattanooga, Tenn.
ROCKWOOD pressed steel unions & pipe caps—Rockwood Sprinkler Co., Worcester, Mass.
ROCKWOOD SPRINKLER SYSTEM automatic fire sprinklers—Rockwood Sprinkler Co., Worcester, Mass.
ROCKY MOUNTAIN steel wagon skeins—American Skein & Foundry Co., Racine, Wis.
ROCKY ROLLER children's vehicles—Ames-Van Aken Mfg. Co., Syracuse, N. Y.
ROCO counting machines & revolutionary counters—Chas. J. Root, Bristol, Conn.
ROCO kitchen enameled ware—Coonley Mfg. Co., Cicero, Ill.

ROCO oil & water pumps—C. F. Roper & Co., Hopedale, Mass.
ROCOCO radiators—American Radiator Co., 820 S. Michigan av, Chicago, Ill.
RODERICK LEAN agricultural implements—Roderick Lean Mfg. Co., Mansfield, Ohio
RODIUNA storage batteries—Milwaukee Auto Specialty Co., 711 Chestnut, Milwaukee, Wis.
RODTITE packing, mfrs. piston & valve rod plungers, pumps, engines, etc.—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
ROD-WAY cloth laying machines—Shuttle Machine Co., 18 E. 17th, New York
ROE boiler injectors—Stephens Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
ROE pressed steel manheads—Glasgow Iron Co., Pottstown, Pa.
ROEBLING alligator wrenches, wire lath & rope, wire rope fittings, iron & steel wire, electrical wires & cables—John A. Roebling's Sons, Trenton, N. J.
ROENIUS coal chutes—Grand Rapids Foundry Co., Grand Rapids, Wis.
ROE'S awning fixtures—Roe Justus & Sons, Patchogue, N. Y.
ROFICO innersoling shoe fibre—Rogers Fibre Co., 121 Beach, Boston, Mass.
ROGERS auger handles, mitre planers—Miller's Falls Co., 28 Warren, New York
ROGERS automobile truck trailers—Rogers Bros. Co., Albion, Pa.
ROGERS belt punches—E. C. Atkins & Co., Indianapolis, Ind.
ROGERS carbon paper—Rogers Manifold & Carbon Paper Co., 33 Sullivan, New York
ROGERS carbon removers, carriage top dressing—Detroit White Lead Works, 560 E. Milwaukee, Detroit, Mich.
ROGERS grate bars—Salamander Grate Bar Co., 126 Liberty, New York
ROGERS packing—Chaplin-Fulton Mfg. Co., 34 Penn av, Pittsburgh, Pa.
ROGERS saw filing & setting machines—American Wood Working Machinery Co., Rochester, N. Y.
ROGERS tree & bracket insulators—Frank Ridlon Co., 251 A, Boston, Mass.
ROGER WILLIAMS roofing paper—M. N. Cartier & Sons Co., 289 Canal, Providence, R. I.
ROGERS AUTO BRASS SHINE metal polish—Detroit White Lead Wks., 560 E. Milwaukee, Detroit, Mich.
ROHRER'S sash weights—Caldwell & Drake Iron Works, Columbus, Ind.
ROLAMAT wood rolling mats—Keystone Wire Matting Co., Beaver Falls, Pa.
ROLAND WILD calorimeters—Precision Instrument Co., 21 Halsey, Newark, N. J.
ROLINCO core oils—Bayerson Oil Works, Erie, Pa.
ROLL core wash—Smith Facing & Supply Co., 1857 Carter rd, Cleveland, Ohio
ROLLAWAY roller bearings—Railway Roller Bearing Co., Syracuse, N. Y.
ROLL-A-WAY window screens—Rollaway Screen Co., Burlington, Vt.
ROLLER EXPRESS children's wagons—Ames-Van Aken Mfg. Co. Inc., Syracuse, N. Y.
ROLLERINE roller bearing lubricants—Royersford Fdry. & Mch. Co., Royersford, Pa.
ROLLER-SMITH switches, dynamometers, galvanometers & bridges, ohmeters, wattmeters—Roller Smith Co., 233 B'way, New York
ROLL-E-Z sliding furniture shoes—G. G. G. Metal Stamping Co., Warren, Pa.
ROLLFAST handle bars, roller bearing skates, oil & grease guns—American Skate & Mfg. Co., Reading, Pa.
ROLLINS closet seats—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
ROLLINSON transformers—Mohawk Electric Mfg. Co., 15 Kirk pl, Newark, N. J.
ROLLIS combination squares, tool sets, hand vises & tap wrenches—M. W. Robinson Co., 296 B'way, New York
ROLLMAN nut crackers, apple corers—Rollman Mfg. Co. (Ltd.), Mount Joy, Pa.
ROLLMAN tobacco transplanters—New Idea Spreader Co., Coldwater, Ohio
ROLLOWAY bicycle motor—Rolloway Co., 1048 Shepard, Toledo, Ohio
ROLLWAY pumps—Michigan Mach. Co., 85 Porter, Detroit, Mich.
ROMAN fertilizer distributors—Towers & Sullivan Mfg. Co., Rome, Ga.
ROME copper floats—Rome Sanitary Co., Rome, N. Y.
ROME copper tea kettles, wash boilers—Rome Mfg. Co., Rome, N. Y.
ROMELINK hammocks—New York Couch Bed Co., Meadow & Anable av, L. I. City, N. Y.
ROMELINK metallic berths & bunks, bed springs, folding cots—Southern-Rome Co., 623 W. Pratt, Baltimore, Md.
ROMER axes, hatchets, barking spades—Romer Axe Co., Dunkirk, N. Y.
ROME WIRE electrical wires—Rome Wire Co., Rome, N. Y.
ROMEYN bath waste & overflow—A. D. Mfg. Co., 201 Piquette, Detroit, Mich.
RONBERG concrete shovels—Conneaut Shovel Co., Conneaut, Ohio
RONEO copying presses, pencil sharpeners & bill files—Roneo Co., 117 Leonard, New York
RONEY mechanical stokers—Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
RONSON automobile wrenches—Ronson Specialty Co. 7 Mulberry, Newark, N. J.
ROOFCOAT roofing coats, fire resisting paints—Jones Paint Co., Rome, N. Y.
ROOF LEAK varnish—Elliott Varnish Co., 1013 S. Kolmar av, Chicago, Ill.
ROOFRITE roofing—Lehon Co., 4451 S. Oakley av, Chicago, Ill.
ROOF TIGHT asbestos liquid roof coating & plaster roof cement—Antakwa Co., 133 W. Washington, Chicago, Ill.
ROOKE car fare registers—Rooke Automatic Register Co., 17 Warren, Providence, R. I.
ROOT corn planters—Weaver & Co., New Oxford, Pa.
ROOT exhaust heads, riveted steel pipe, tubular boilers—Abendroth & Root Mfg. Co., Newburgh, N. Y.
ROOT snow plows—Kalamazoo Railway Supply Co., Kalamazoo, Mich.
ROOT spring scrapers—Root Spring Scraper Co., Kalamazoo, Mich.
ROOT wood boring machines—B. M. Root Co., York, Pa.
ROOT & BARRON roofing cements—J. R. Bostwick & H. J., Clifton Springs, N. Y.
ROOT'S vacuum pumps—P. H. & F. M. Roots, Connersville, Ind.
ROOVERS type, embossing presses—Roovers Bros., 100 Schermerhorn, Brooklyn, N. Y.
ROPER centrifugal separators—American Tool & Machine Co., 10 High, Boston, Mass.
ROPER propeller wheels—C. F. Roper & Co., Hopedale, Mass.
ROPOLEUM rope dressing—O. F. Zurn Co., Broad & Lehigh, Phila., Pa.
ROSE air tire pumps—J. H. Haney & Sons, Omaha, Neb.
ROSE grate bars, shaking grates—Sprague Foundry & Mfg. Co., Council Bluffs, Ia.
ROSE sad irons—Rosenbaum Mfg. Co., 33 Bleecker, New York
ROSEALENE polishes, insecticides & disinfectants—Rosealene Products Co., 667 Howard, San Fransisco, Cal.
ROSEDALE screw drivers—Turner & Deegan, Bristol, Conn.
ROSEDALE tin plate—Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
ROSEDORE glass shades—Consolidated Lamp & Glass Co., Coraopolis, Pa.
ROSENTHAL corn huskers, ensilage cutters—Rosenthal Corn Husker Co., West Allis, Milwaukee, Wis.
ROSS annunciators—Electric Goods Mfg. Co., Canton, Mass.
ROSS feed & fodder cutters—E. W. Ross Co., Springfield, Ohio
ROSS mine ties—Fairmont Mining Machinery Co., Fairmont, W. Va.
ROSS organ motors—Ross Valve Mfg. Co., Troy, N. Y.
ROSS rotary pumps—Chas. Ross & Son Co., 148 Classon av, Brooklyn, N. Y.
ROSS wheel trueing tool for precision grinding—Ross Mfg. Co., 3160 W. 106th, Cleveland, Ohio
ROSSCO glass desk pads—Ravenswood Office Specialties Co., 1800 Newport av, Chicago, Ill.
ROSSIE iron ore paints—Rossie Iron Ore Paint Co., Ogdensburg, N. Y.
ROSTAND automobile wind shields, book racks, bronze sun dials, colonial candlesticks, cuspidors, door stops, fire-place furnishings—Rostand Mfg. Co., Milford, Conn.
RO-TAP testing sieve shaker—W. S. Tyler Co., Cleveland, Ohio
ROTARY HYDROS bottle soaking machines—Loew Mfg. Co., 9100 Madison av N. W., Cleveland, Ohio
ROTH blowers—Roth Bros. & Co., 1400 W. Adams, Chicago, Ill.
ROTHENBUCHER reversible pump valves—Coronum Equipment Co., 89 Fulton, New York
ROTHWEILER barrel pumps—Rothweiler & Co., 3301 1st av, S. Seattle, Wash.

ROTHWEILER pipe wrenches—Crescent Forging Co., Oakmont, Pa.
ROTHWEILER truck units—Rothweiler Truck Co., Seattle, Wash.
ROTHWELL continuous thickeners, cyanide plants—Colorado Iron Works Co., Denver, Colo.
ROTO flue cleaners—Water Motors Roto Co., Hartford, Conn.
ROTOFILM duplicators—Beck Duplicator Co., 476 B'way, New York
ROTOKOLL telephone switchboards—Electric Goods Mfg. Co., Canton, Mass.
ROTOMETER steam meters—Am. District Steam Co., N. Tonawanda, N. Y.
ROTOPLATER plating machines — Connecticut Dynamo & Motor Co., Irvington, N. J.
ROTURBO centrifugal pumps—Manistee Iron Works Co., Manistee, Mich.
ROUGH RIDER springs—Jackson Cushion Spring Co., Jackson, Mich.
ROUGH & READY screw drivers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
ROUND oak stoves—P. D. Beckwith, Dowagiac, Mich.
ROUND TRAP laundry cartons—Wayne Paper Goods Co., Fort Wayne, Ind.
ROUSE check valves—Stephens-Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
ROUSE hub bands—Eastern Malleable Iron Co., Naugatuck, Conn.
ROVER padlocks—Slaymaker Lock Co., Lancaster, Pa.
ROVER'S egg & cream beaters—G. M. Thurnauer Co., 83 Worth, New York
ROWBOTTOM cam milling machines, presses, grinders—Rowbottom Machine Co., Waterbury, Conn.
ROWBOTTOM YANKEE bench & power presses—Rowbottom Mach. Co., Waterbury, Conn.
ROWE feed water regulators—Jas. McCrea & Co., 562 W. Washington, Chicago, Ill.
ROWE removable screw & steel toe calks—Rowe Calk & Chain Co., Plantsville, Conn.
ROWELL feed cutters—I. B. Rowell Co., Waukesha, Wis.
ROWELL grain disc drills, seeders & sowers—Tiger Drill Mfg. Co., Beaver Dam, Wis.
ROWLEY fish screens—Burpee & Letson, Bellingham, Wash.
ROXBRO braided & rubber hose, sheet & square pump packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
ROXBURY walking plows—Wm. & Hy. Bronson, Roxbury, Conn.
ROYAL alkali—Royal Chemical Co., Phoenix, R. I.
ROYAL aluminum & gold paints—W. W. Lawrence & Co., Pittsburgh, Pa.
ROYAL barn door hangers, hay carriers—Louden Machine Co., Fairfield, Ia.
ROYAL belt dressing—Manufacturers' Oil & Grease Co., Century bldg, Cleveland, Ohio
ROYAL belt dressing—O. F. Zurn Co., Broad & Lehigh, Phila., Pa.
ROYAL blanket snaps, flexible buckle shields—North & Judd Mfg. Co., New Britain, Conn.
ROYAL butchers' cleavers—John B. Black Co., Chester, Pa.
ROYAL cement—Dixie Portland Cement Co., Chattanooga, Tenn.
ROYAL cement plaster—Acme Cement Plaster Co., Frisco bldg, St. Louis, Mo.
ROYAL chafing dishes, toilet paper holders—W. H. Sweeney Mfg. Co., 30 Main, Brooklyn, N. Y.
ROYAL clothes dryers—Seed Filter & Mfg. Co., 73 Franklin, New York
ROYAL clothes washing machines—Wayne Mfg. Co., 124 Sidney, St. Louis, Mo.
ROYAL cobblers' outfits—Fate-Root-Heath Co., Plymouth, Ohio
ROYAL coffee roasters, meat & food choppers & slicers—A. J. Deer Co., Hornell, N. Y.
ROYAL cooking stoves—Odin Stove Mfg. Co., Erie, Pa.
ROYAL corn shellers—Appleton Mfg. Co., Batavia, Ill.
ROYAL counter scales—Jones of Binghamton (Inc.), Binghamton, N. Y.
ROYAL cup grease—Columbia Refining Co., 90 West, New York
ROYAL display racks—Weston Paper & Mfg. Co., Dayton, Ohio
ROYAL door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
ROYAL fire extinguishers—Missouri Lamp & Mfg. Co., 114 Elm, St. Louis, Mo.
ROYAL fire hose reels—Wirt & Knox Mfg. Co., 23rd & Yoke, Phila., Pa.
ROYAL flue stops—Roseland Can & Specialty Co., Rockford, Ill.



ROYAL flue stops, stove pipe thimbles—Lalance & Grosjean Mfg. Co., 299 Broadway, New York
ROYAL fly traps—Reynolds Wire Co., Dixon, Ill.
ROYAL forge blowers, fire pots, portable forges—Canedy-Otto Mfg. Co., Chicago Heights, Ill.
ROYAL foundry brushes—Worcester Brush & Scraper Co., Worcester, Mass.
ROYAL hammer handles—Carl Stossel Sons & Co., Front Royal, Va.
ROYAL hanging lamps—Plume & Atwood Mfg. Co., Waterbury, Conn.
ROYAL harness menders—Louis Sacks, Inc., Wilson av, Newark, N. J.
ROYAL hatchets—John B. Black Co., Chester, Pa.
ROYAL hay tedders—Thomas Mfg. Co., Springfield, Ohio
ROYAL hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
ROYAL hose connections—Bridgeman Bros. Co., 131 S. 31st, Phila., Pa.
ROYAL hot water radiators—H. B. Smith Co., Westfield, Mass.
ROYAL ice picks—Edw. Parkinson Mfg. Co., 84 Sprague, Providence, R. I.
ROYAL ironing boards—A. G. Christman Co., Reading, Pa.
ROYAL lamp chimneys—Gill Bros. Co., Steubenville, Ohio
ROYAL lath yarn—St. Louis Cordage Mills, 1715 S. 11th, St. Louis, Mo.
ROYAL lawn mowers—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
ROYAL lawn swings—Challenge Co., Batavia, Ill.
ROYAL liquid soap—Hockwald Chemical Co., 531 Howard, San Fransisco, Cal.
ROYAL lubricating oils & greases—National Oil Co., 17 Battery pl., New York
ROYAL lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
ROYAL phosphor copper, manganese copper, phosphor tin, silicon copper—R. F. Lang, 8 Bridge, New York
ROYAL marble—Ross & Republic Marble Co., Knoxville, Tenn.
ROYAL packing—Greene, Tweed & Co., 109 Duane, New York
ROYAL pea hullers—Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
ROYAL platers' compounds—Royal Chemical Co., Phenix, R. I.
ROYAL pruning shears—Smith, Seymour & Son, Oakville, Conn.
ROYAL rock crushers, road scrapers, dumping wagons—Smith & Sons Mfg. Co., Kansas City, Mo.
ROYAL roadsters & baking pans—Silver & Co., 304 Hewes, Brooklyn, N. Y.
ROYAL roofing cement—A. Wilhelm Co., Reading, Pa.
ROYAL sad irons—Royal Iron Mfg. Co., Big Prairie, Ohio
ROYAL shoe polishes—S. M. Bixby & Co., 46th & 2nd av, Brooklyn, N. Y.
ROYAL shower bath—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
ROYAL sickel grinders—Clizbe Bros. Mfg. Co., Plymouth, Ind.
ROYAL sisal manila rope—St. Louis, Mo.
ROYAL steam heaters—Hart & Crouse Co., Utica, N. Y.
ROYAL steam heaters—Royal Steam Heater Co. Gardner, Mass.
ROYAL steel ranges—Treaty Co., Greenville, Ohio
ROYAL stone clothes washing machines—H. F. Brammer Mfg. Co., Daveport, Ia.
ROYAL stoves—Fox Furnace Co. Elyria, Ohio
ROYAL stoves—Grinberg Bros., 154 South, New York
ROYAL sulky plows—Racine-Sattley Co., Springfield, Ill.
ROYAL typewriters—Royal Typewriter Co., 364 Broadway, New York
ROYAL vacuum cleaners, electric hair dryers & washing machines—P. A. Geier Co., Cleveland, Ohio
ROYAL ventilators, exhaust heads—Royal Ventilator Co., 415 Locust, Philadelphia, Pa.
ROYAL wagon & stock scales—Zimmerman Steel Co., Bettendorf, Iowa
ROYAL window cleaning appliances—Window Cleaners' Improved Belt & Device Co., 62 W. Washington, Chicago, Ill.
ROYAL woven wire fences—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
ROYAL woven wire fences & wire fence stretchers—Elliott & Reid Co., Richmond, Ind.
ROYAL ARCHER rubber sheeting—Archer Rubber Co., Milford, Mass.
ROYAL BLUE lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.

ROYAL CAFE fry pans—Royal Mfg. Co., 406 Commerce, Philadelphia, Pa.
ROYAL DANE milk cans—Oakes & Burger Co., Cattaraugus, N. Y.
ROYAL DE LUXE automobile lamps—Post & Lester, Hartford, Conn.
ROYAL EXTRA belting—Chas. A. Schieren & Co., 30 Ferry, New York
ROYAL FLUSH car fenders & wheel guards—McGuire-Cummings Mfg. Co., Harris Trust & Savings bldg, Chicago, Ill.
ROYAL GEM gasoline lamps—Royal Gas Light Co., 18 W. Kinzie, Chicago, Ill.
ROYAL LEADER park sprayers—Field Force Pump Co., Elmira, N. Y.
ROYALUXE enamels—A. Wilhelm Co., Reading, Pa.
ROYAL OAK belting—Smyth-Despard Co., Utica, N. Y.
ROYAL ROCHESTER copper ware—Rochester Stamping Co., Rochester, N. Y.
ROYAL RUSTIC match safes — Royal Mfg. Co., 406 Commerce, Phila., Pa.
ROYAL TORRID steam heaters—W. H. Drake Co., 36 Clinton, Newark, N. J.
ROYAL WORCESTER belt lacing, belt cements & dressing—Graton & Knight Mfg. Co., Worcester, Mass.
ROYAL WORCESTER enameled blotting paper—Standard Paper Mfg. Co., Hull & Canal, Richmond, Va.
ROYAL WORCESTER lubricating oils & greases—White & Bagley Co., Worcester, Mass.
ROYAL WORCESTER track brooms & brushes—Worcester Brush & Scraper Co., Worcester, Mass.
ROYAL ZEST food colors, dyes & dyestuffs—B. Heller & Co., 3925 Calumet av, Chicago, Ill.
ROYDEN marble polishing rings, carborundum tooth saws—Royden Marble Machinery Co., 137 E. 25th, New York
RUB & KURRY horse brushes—Standard Brush Co., Hartford, Conn.
RUBMER collars & cuffs—The Arlington Works (E. I. du Pont de Nemours & Co.), 21 E. 40th, New York
RUBBER BACK backing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
RUBBER BONE whips—Featherbone Whip Co., Westfield, Mass.
RUBBERBESTOS packing—A. W. Chesterton Co., 64 India, Boston, Mass.
RUBBERGLASS translucent fabrics, cornices & skylights—Angier Mills, Ashland, Mass.
RUBBERHIDE boots & shoes—Rubberhide Co., 212 Essex, Boston, Mass.
RUBBER ITE belting & hose—McIlroy Belting & Hose Co., Hammond, Ind.
RUBBEROID handle screw drivers—Vichek Tool Co., 8701 Mt. Auburn av, Cleveland, Ohio
RU-BER-OID car roofing, motor cloth, asphalt shingles, cements, paints & sanitary flooring—Standard Point Co., 95 Madison av, New York
RUBBEROILEUM linoleum—Ringwalt Linoleum Works, New Brunswick, N. J.
RUBBERSET brushes—Rubberset Co., 56 Ferry, Newark, N. J.
RUBBESTOS rubber heels & rubber soles—Atlantic Mfg. Co., Wilmington, Del.
RUBDRY cotton towels—Rubdry Towel Co., Providence, R. I.
RUBES automobile horns—Automobile Supply Mfg. Co., 80 B'way, Brooklyn, N. Y.
RURISPIERRE'S patent leader heads—Greason Mfg. Co., 108 W. 99th, New York
RUBLITE waxed dust mops & dustless dust cloths—Dearborn Duster Co., 550 W. Harrison, Chicago, Ill.
RUBOIL belting, belt fasteners—Ruboil Belting Co., 8th & Wallace, Phila., Pa.
RUB ON PAINT—J. G. Hetzel (Est. of), 67 Main, Newark, N. J.
RUBRA boiler oils—Talmage Mfg. Co., 1279 W. 3rd, Cleveland, Ohio
RUBRISTO set-in-rubber brushes—Hanlon & Goodman Co., 270 Pearl, New York
RUBRO rubber hose— Pioneer Rubber Mills, San Fransisco, Cal.
RUBY lantern globes—Crescent Glass Co., Wellsburg, W. Va
RUBY lubricating oils & greases—J. D. Street & Co., 41st & Park, St. Louis, Mo.
RUBY packing—New York Belting & Packing Co., 91 Chambers, New York
RUBY rubber hose—National India Rubber Co., Bristol, R. I
RUBY shoveling & end gate boards—Hayes Pump & Planter Co., Galva, Ill.
RUBY soldering fluid—Ruby Chemical Co., Columbus, Ohio
RUBY-RUB metal polish—Hinds & Coon, 126 Pearl, Boston, Mass.
RUD farm wagons—C. O. Rud, Lansing Ia.
RUDE grain drills—Rude Mfg. Co., Liberty, Ind.
RUDE-NORTHWESTERN grain drills—Rude Mfg. Co., Liberty, Ind.
RUDGE WHITWORTH wire wheels—Standard Roller Bearing Co., 50th & Lancaster av, Phila., Pa.
RUDIGER automatic hose cleaners—Consolidated Mfg. Co., 54 Belmont av, Newark, N. J.
RUDOLPHI & KRUMMEL crimping & beading machines, ring forming machines, spring coiling machines, screw cap rolling machines, power presses—American Can Co., 104 S. Michigan, Chicago, Ill.
RUFF simplex pasteurizing machines—A. Magnus Sons Co., 327 W. Randolph, Chicago, Ill.
RUFLS spring tooth harrows—Brinly-Hardy Co., Louisville, Ky.
RUGG snow shovels—Rugg Mfg. Co., Greenfield, Mass.
RUGGLES boiler flue & tube cleaners—Caldwell, H. W. & Son Co., 17th & Western av, Chicago, Ill.
RUGGLES stone sawing machines, slate drilling & countersinking machines, wire rope tramways—Ruggles Machine Co., Poultney, Vt.
RUHRAL suction hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
RUMELY gang plows, grain graders & weighers, clod crushers, clover hullers, steam & traction engines —Leo Rumely Tractor Co., La Porte, Ind.
RUMELY IDEAL grain & rice separators—Leo Rumely Tractor Co., La Porte, Ind.
RUMELY RUTH self feeders & band cutters—Advance-Rumely Thresher Co., Inc., Laporte, Ind.
RUNDLE-SPENCE drinking fountains — Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
RUNDLE'S powder thawers—A. J. Rundle, Iron Mountain, Mich.
RUN EASY door hangers—E. E. Souther Iron Co., Klenlin & Hamburger, St. Louis, Mo.
RUNWELL lubricating oils & greases—G. C. Woolley Co., 502 E. 20th, New York.
RURAL garden cultivators—Empire Plow Co., 3140 E. 65th, Cleveland, Ohio
RURAL sight feed lubricators—Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
RUSCO asbestos brake linings, automobile belts—Russell Mfg. Co., Middletown, Conn.
RUSDEN steaming machines—Textile Finishing Machinery Co., 171 Westminster, Providence, R. I.
RUSH-E-RASER ink brush erasers—Rush Eraser Co., Syracuse, N. Y.
RUSHFORD farm wagons—Winona Wagon Co., Winona, Minn.
RUSHTON-CARROLL stock conveyors, & under grid cord attachments—Rushton-Carroll Co., 34 Tudor, Cambridge, Mass.
RUS-PRUF road culverts—Butler Mfg. Co., Kansas City, Mo.
RUSSELL electric lamp sockets & receptacles—E. H. Freeman Electric Co., Trenton, N. J.
RUSSELL hand power presses—Ripley Foundry & Machine Co., Ripley, Ohio
RUSSELL horse nails—Standard Horse Nail Co., New Brighton, Pa.
RUSSELL hot water generators, live steam separators, steam heaters, steam engines—Griscom-Russell Co., Chicago, Ill.
RUSSELL plunger pumps—Thos. Laughlin Co., Portland, Me.
RUSSELL rubber horse shoe pads—Firestone Tire & Rubber Co., Akron, Ohio
RUSSELL sidewalk snow plows, graders & ditchers—Russell Grader Mfg. Co., 2005 University av, S. E., Minneapolis, Minn.
RUSSELL straw stackers—Buffalo Pitts Co., Buffalo, N. Y.
RUSSELL taps, drills & reamers—Russell Mfg. Co., Greenfield, Mass.
RUSSELL traction engines, thresher cylinder wrenches—Russell & Co., Massillon, Ohio
RUSSELL-HAMMER automobile horns—Russell Electric Co., Danbury, Conn.
RUSSETINE shoe blacking & polishes—World Polish Mfg. Co., York, Pa.
RUSSO packing—A. W. Chesterton Co., 64 India, Boston, Mass.
RUSSWIN door checks, door stops, meat & food choppers, panic-exit door bolts, spring hinges—Russell & Erwin Mfg. Co., New Britain, Conn.
RUST clay mixers—Marion Machine, Foundry & Supply Co., Marion, Ind.
RUST water tube boilers—Babcock & Wilcox Co., 85 Liberty, New York

RUSTLER potato diggers—Racine-Sattley Co., Springfield, Ill.
RUSTLESS padlocks—Slaymaker Lock Co., Lancaster, Pa.
RUSTNOUGHT coating paints—Billings, Chapin Co., 1163 E. 40th, Cleveland, Ohio
RUST RESISTING PORTSMOUTH IRON conductor pipe—Whitaker-Glessner Co., Wheeling, W. Va.
RUTENBER electric ranges—Rutenber Electric Co., Marion, Ind.
RUTENBER gasoline engines—Rutenber Motor Co., Marion, Ind.
RUTH self-feeders & band cutters for threshers—Maytag Co., Newton, Ia.
RUTLAND fire brick, fire clay, furnace cements, marble dust, plastic stove linings, powdered soapstone, wood fibre plaster—Rutland Fire Clay Co., 550 W. 12th, Chicago, Ill.
RUTTY wall plugs—J. B. Prescott & Son, Webster, Mass.
RUUD thermal gas heaters—Ruud Mfg. Co., 29th & Smallman, Pittsburgh, Pa.
RYAN box hinges—M. C. Ryan Co., Phoenix, N. Y.
RYAN park sprinklers—Jas. B. Clow & Sons, Franklin & Harrison, Chicago, Ill.
RYAN'S ball cocks—Exeter Brass Works, Exeter, N. H.
RYNER grate bars—Salamander Grate Bar Co., 126 Liberty, New York
RYDER meter boxes—Clarksville Foundry & Machine Works, Clarksville, Tenn.
RYERSON fire hose reels—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
RYERSON high speed twist drills & friction saws—Jos. T. Ryerson & Son, 910 Corn Exchange bldg & 16th & Rockwell, Chicago, Ill.
RYHMCO trolley switches—Railway Materials Co., Railway Exch. bldg, Chicago, Ill.
S. adjustable wrenches, pincers, linemen's climbers—H. D. Smith & Co., Plantsville, Conn.
S. bath & basin traps—Ireland & Matthews Mfg. Co., Beard & Chatfield, Detroit, Mich.
S combination wrenches—Jno. Stortz & Son, 210 Vine, Phila., Pa.
S pipe wrenches—Bonney Vise & Tool Works, Allentown, Pa.
S-A conveyors, car pullers, friction clutches, mining & revolving screens—Stephens-Adamson Mfg. Co., Aurora, Ill.
S. A. E. cap screws—Detroit Screw Works, 348 Franklin, Detroit, Mich.
S. B. B. UNIVERSAL malt mills—H. H. Freund, 7 W 45th, New York
S. B. & B. mash filters—H. H. Freund, 7 W 45th, New York
S-C magnet wire—Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y.
S-C pump governors, continuous feed water regulators, balanced float valves, relief valves, gauge & valveless cocks—"S-C" Regulator Mfg. Co., Fostoria, Ohio
S.-C.-H. furnaces—Strong, Carlisle & Hammond Co., 336 Frankford av, N. W., Cleveland, Ohio
S. C. S. luggage automobile trunks—S. C. Simon & Co., 404 Brown, Phila., Pa.
S. F. packing—Schultz Patent Rubber Co., Philadelphia, Pa.
S. H. electric desk lights—Stuart Howland Co., 234 Congress, Boston, Mass.
S. HALLEY & SON card clothing—Speed & Stephenson, 170 Summer, Boston, Mass.
S. K. F. self-aligning ball bearing shaft hangers, ball annular, electrical motors & thrust bearings—S. K. F. Ball Bearing Co., Hartford, Conn.
S-M watertight lamp guards—Seidler-Miner Elec. Co., 36 E. Larned, Detroit, Mich.
S. M. B. manganese bronze ingots—American Manganese Bronze Co., 3501 Rhawn, Philadelphia, Pa.
S. M. C. automatic cylinder valves, perpetual rope packing—Specialty Mfg. Co., 14 E. Jackson blvd, Chicago, Ill.
S. M. C. brake lining—Staybestos Mfg. Co., 5534 Lena, Phila., Pa.
S. M. S. roof flanges—Prier Brass Mfg. Co., Kansas City, Mo.
S-N family cleavers—Stephen Richard Co., Southbridge, Mass.
S. P. C. slate shingles & compounds—Standard Paint Co., 233 Broadway, New York
S. P. F. wood preservatives—S. P. F. Wood Preserving Co., Inc., 76 Wall, New York & 78 Beverely, Boston, Mass.
S. P. V. W. paint & varnish—Southern Paint & Varnish Works, Atlanta, Ga.
S. R. knives—Stephen Richard Co., Southbridge, Mass.
S. R. B. ball bearings—Standard Steel & Bearings, Inc., 50th & Lancaster av, Phila., Pa.
S. R. O. ball bearings—Marburg Bros., 90 West, New York
S. R. S. padlocks—Slaymaker Lock Co., Lancaster, Pa.
S. S. babbitt metal—William A. Hardy & Sons Co., 113 Water, Fitchburg, Mass.
S. S. cement—Louisville Cement Co., Louisville, Ky.
S. S. LINE concrete mixers—Cement Tile Machinery Co., Waterloo, Ia.
S. S. S. drag road scrapers—Sidney Steel Scraper Co., Sidney, Ohio
S. S. S. hose nozzles—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
S. S. S. packing—Crandall Packing Co., Palmyra, N. Y.
S. S. & S. magnetic separators, ore concentrators, ore dryers—Sutton, Steel & Steel, Dallas, Texas.
S. T. D. ratchet drills—Lowell Wrench Co., Worcester, Mass.
S. V. TUCK shoe knives—Tuck Mfg. Co., Brockton, Mass.
S.-W. storage battery enamels—Sherwin-Williams Co., Cleveland, Ohio
S. & B. dynamometers—Schaeffer & Budenberg Mfg. Co., Berry & S. 5th, Brooklyn, N. Y.
S. & B. metal polish—Uno Mfg. Co., 6433 E. Ravenswood pk, Chicago, Ill.
S. & B. post hole augers—Eureka Fence Mfg. Co., Richmond, Ind.
S. & C. high tension air brake & pole top switches—Schweitzer & Conrad, Inc., 4431 Ravenswood av, Chicago, Ill.
S. & CO. saw sets—Sargent & Co., New Haven, Conn.
S. & E. M. CO. belt punches, gas pliers—Smith & Egge Mfg. Co., Bridgeport, Conn.
S. & H. concrete finishing tools—Holtum Mfg. Co., Freeport, Ill.
S. & K. heaters, distilling apparatus, oil coolers, evaporators—Schutte & Koerting Co., 1251 N. 12th, Philadelphia, Pa.
S. & M. automobile headlights & searchlights—S. & M. Lamp Co., 118 W. 36th, Los Angeles, Cal.
S. & O. motor driven erasers—Schunck, Ogg, 235 Canal, New York
S. & P. burglar alarms—Stanley & Patterson, 23 Murray, New York
S. & S. belt dressing—Staplin & Smith Co., 350 W. Austin, Chicago, Ill.
S. & S. cesspools—Storch & Scheid, 1102 Wolf, Phila., Pa.
S. & S. gasoline engines & revolving screens—Cement Tile Machinery Co., Waterloo, Ia.
SABLE harness leather—Shultz Belting Co., Fourth & Barton, St. Louis, Mo.
SABLE packing—H. Johnson Co., ft Gates av, Jersey City, N. J.
SACA lamp cord adjusters—Condit Electrical Mfg. Co., 1st & L, Boston, Mass.
SACHEM belting—Ulmer Leather Co., Norwich, Conn.
SACHEM oil cups—Swift Lubricator Co., Elmira, N. Y.
SACKETTS plaster boards—Fowler & Pay, Mankato, Minn.
SACKETT plaster boards—U. S. Gypsum Co., 205 W. Monroe, Chicago, Ill.
SACO semaphore signal blades—Signal Accessories Corp., Utica, N. Y.
SACO corks—Spanish-American Cork & Specialty Co., Westport, Baltimore, Md.
SACO steel spring cotters—E. P. Smith & Co., Sharon Hills, Pa.
SACONY oils—Standard Oil Co. of N. Y., 555 W. 25th, New York
SAFE computing cheese cutters—Computing Cheese Cutter Co., Anderson, Ind.
SAFEDGE safety razors—Safedge Co., Geneva, N. Y.
SAFEDUCT flexible metalic conduits—Saylor Electric & Mfg. Co., 115 S. Main, Pittsburgh, Pa.
SAFE GUARD automobile tire locks—Sargent & Greenleaf, Inc., Rochester, N. Y.
SAFE-GUARD check writers—Safe-Guard Check Writer Co., Inc., 5 Beekman, New York
SAFE GUARD fire extinguishers—Knight & Thomas (Inc.), 212 Summer, Boston, Mass.
SAFEKOTE roofing felts & paper & asphalt shingles & roofing—Safepack Mills, 727 Atlantic av, Boston, Mass.
SAFE LION ensilage cutters—Geo. S. Comstock & Son, Mechanicsburg, Pa.
SAFE LOAD malleable iron seamless steel shells—Parish Supply & Mfg. Co., 2868 Quinn, Chicago, Ill.
SAFEPACK cloth lined & water proof paper—Safepack Mills, 727 Atlantic av, Boston, Mass.
SAFETY asphalt roofing—National Roofing Co., Tonawanda, N. Y.

SAFETY burners—Wheeling Stamping Co., Wheeling, W. Va.
SAFETY car pullers—Link-Belt Company, 329 W. 39th, Chicago, Ill.
SAFETY door hangers—Safety Door Hanger Co., Ashland, Ohio
SAFETY door & window bolts—H. E. Clark & Bros., Rochester, N. Y.
SAFETY drill holders—Beaman & Smith Co., Providence, R. I.
SAFETY electric car brakes—Lord Mfg. Co., 105 W. 40th, New York
SAFETY extension ladders—Rich Pump Co., South & Depot, Cincinnati, Ohio
SAFETY fountain pens—Caw's Pen & Ink Co., 78 Reade, New York
SAFETY garden plows—Towers & Sullivan Mfg. Co., Rome, Ga.
SAFETY meter seals—United Seal Co., 239 S. Pearl, Columbus, Ohio
SAFETY neck yoke centers—E. B. Adams & Son, Racine, Wis.
SAFETY non-explosive cans. Non-Explosive Can Co., 127 S. Green, Chicago, Ill.
SAFETY packing—Crandall Packing Co., Palmyra, N. Y.
SAFETY packing—Steel Mill Packing Co., 42 Larned av, Detroit, Mich.
SAFETY refuse burners—W. J. Clark Co., Salem, Ohio
SAFETY steering sleds—Safety Sled Co., Mt. Jewett, Pa.
SAFETY strain insulators—Electrose Mfg. Co., Washington & Plymouth, Brooklyn, N. Y.
SAFETY tapping chucks—Peters Bros. Mfg. Co., Algonquin, Ill.
SAFETY trench braces—Waldo Bros. & Bond Co., 181 Congress, Boston, Mass.
SAFETY CHECK dumb waiters—Wm. T. King, 453 Broadway, Brooklyn, N. Y.
SAFETY CHECK paper—Geo. La Monte & Son, 61 Broadway, New York.
SAFETY FIRST fire extinguishers—Harker Mfg. Co., 121-123 W. Third, Cincinnati, Ohio
SAFETY FIRST rubber gloves—M. W. Dunton Co., 150 Niagara, Providence, R. I.
SAFETY FROST harmless chemical preparations for coloring incandescent lamps—Arts Electrical Co., Troy, N. Y.
SAFETY TREAD rubber heels—Elastic Tip Co., 370 Atlantic av, Boston, Mass.
SAFETY TRIUMPH hypodermic syringes—Randall-Faichney Co., Boston, Mass.
SAFSHIFT belt shifters—Artisan Mfg. Co., Lockland, Ohio
SAGAMORE belting—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
SAGAMORE rubber hose—National India Rubber Co., Bristol, R. I.
SAGENDOFF metallic shingles—Penn Metal Ceiling & Roofing Co. (Ltd.), 23rd & Hamilton, Phila., Pa.
SAGER axes—Warren Axe & Tool Co., Warren, Pa.
SAGINAW maple flooring—S. L. Eastman Flooring Co., Saginaw, Mich.
SAGINAW silos—McClure Co., Saginaw, Mich.
SAGINAW wood faucets—Automatic Faucet & Spigot Co., Saginaw, Mich.
SAHARA canvas stitched belting—Imperial Belting Co., 400 N. Lincoln, Chicago, Ill.
ST. CLAIR fish spears—Bonafide Mfg. Co., Plymouth, Mich.
ST. CLAIR gas ranges—Belleville Stove & Range Co., Belleville, Ill.
ST. CRISPEN horse rasps—Stokes Bros. Mfg. Co., Freehold, N. J.
ST. JOE fly swatters—David Carswell, St. Joseph, Mo.
ST. JOE riding listers—St. Joseph Plow Co., St. Joseph, Mo.
ST. JOHN gas meters, steam meters—G. C. St. John, 280 Madison av, New York
ST. JOHN packing—Hartford Engine Works, Hartford, Conn.
ST. JOHN packing—H. B. Underwood & Co., 1025 Hamilton, Phila., Pa.
ST. JOHN steam meters—American District Steam Co., No. Tonowanda, N. Y.
ST. LAWRENCE reclaimed rubber—Nearpara Rubber Co., Trenton, N. J.
ST. LOUIS boll extractors—Alsop Process Co., St. Louis, Mo.
ST. LOUIS car bells & gongs, side bearings—St. Louis Car Co., 8000 N. Broadway, St. Louis, Mo.
ST. LOUIS car doors & fittings—Western Railway Equipment Co., Central Nat'l. Bk. bldg, St. Louis, Mo.



ST. LOUIS gate latches—Wrightsville Hardware Co., Wrightsville, Pa.
ST. LOUIS hand carts—Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
ST. LOUIS shoe lasts—John C. Kupferle Foundry Co., 1st & Wright, St. Louis, Mo.
ST. PAUL traction engines—St. Paul Machinery Mfg. Co., Como & Marion, St. Paul, Minn.
ST. PAUL ventilators—St. Paul Roofing, Cornice & Ornament Co., West St. Paul, Minn.
SALA-BLE inner tube bags—Sala Co., Canton, Ohio
SALAMANDA packing—New York Belting & Packing Co., 91 Chambers, New York
SALAMANDER grate bars—Salamander Grate Bar Co., 126 Liberty, New York
SALAMANDER insulated wire—Independent Lamp & Wire Co., 1733 Broadway, New York
SALAMANDER packing—Chicago Engineer Supply Co., 68 W. Lake, Chicago, Ill.
SALAMANDER steel rolling doors.—J. G. Wilson Corp'n., The, 8 W. 40th, New York
SALEM belting—Mercer Rubber Co., Hamilton, N. J.
SALEM elevator & conveyor buckets—W. J. Clark Co., Salem, Ohio
SALEM elevator & conveyor buckets—Moore & Lorenz Co., 2144 W. Fulton, Chicago, Ill.
SALEM miners' coal augers—Salem Tool Co., Salem, Ohio
SALEM traps—Jos. H. Young Co., 82 High, Boston, Mass.
SALEM pantry trays—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
SALINA fire brick—Kier Fire Brick Co., Oliver bldg, Pittsburgh, Pa.
SALISBURY gas engines & transmission gears—Buffalo Engine Co., Buffalo, N. Y.
SALISBURY paper fasteners—Salisbury Mfg. Co., 14 Leather av, Providence, R. I.
SALISBURY sheet packing—W. W. Salisbury & Co., 308 N. Madison, Chicago, Ill.
SAL-MO asphalt shingles—Sall Mountain Co., 305 S. La Salle, Chicago, Ill.
SALOME chemical engine hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
SALVAGE fire extinguishers—American-La France Fire Engine Co., Elmira, N. Y.
SAMMON dry batteries—Electric Goods Mfg. Co., Canton, Mass.
SAMOLINE paint cleaner—Samoline Corp., Inc., 2134 N. Clark, Chicago, Ill.
SAMPSON box straps—W. F. Robertson Steel & Iron Co., Elm & Commerce, Cincinnati, Ohio
SAMPSON extension ladders—Rich Pump Co., South & Depot, Cincinnati, Ohio
SAMPSON harness snaps & smoke stack lining—Sargent & Co., New Haven, Conn.
SAMPSON sash locks—Ellis Mfg. Co., Milldale, Conn.
SAMPSON screen door hinges—Champion Hardware Co., Geneva, Ohio
SAMPSON shoveling & end gate boards—Nagley Mfg. Co., Lyons, N. Y.
SAMPSON waste baling presses—Ripley Foundry & Machine Co., Ripley, Ohio
SAMPSON wire stretchers—Hunt, Helm, Ferris & Co., Harvard, Ill.
SAMPSTONE flushing valves—Sampstone Mfg. Co., 1607 Prairie av, Chicago, Ill.
SAMSCO centrifugal pumps—San Antonio Machine & Supply Co., San Antonio, Tex.
SAMSON automobile horns, telephones & apparatus—American Electric Co., 6401 S. State Chicago Ill.
SAMSON automobile truck trailers—Samson Trailer Works, Grand Rapids, Mich.
SAMSON back band buckles—Stanley Works, New Britain, Conn.
SAMSON back book sewing machines—Samson Back Book Machine Co., Reading, Pa.
SAMSON batteries—Electric Goods Mfg. Co., Canton, Mass.
SAMSON belt lacing—Norwich Belt Mfg. Co., Norwich, Conn.
SAMSON centrifugal pumps—Samson Iron Works, Stockton, Cal.
SAMSON chains—Chain Products Co., 3924 Cooper av, N. E., Cleveland, Ohio
SAMSON closet seats—Van Arnam Mfg. Co., Ft. Wayne, Ind.
SAMSON concrete building block machinery, fire hose shut off—D. G. Rowell, Appleton, Wis.
SAMSON cork pullers—Walker C. L. & Co., 656 W. 12th, Erie, Pa.
SAMSON door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
SAMSON ELASTIC insulating paper—Keystone Roofing Mfg. Co., York, Pa.
SAMSON fly swatter—Lubbens & Bell Mfg. Co., Clinton, Iowa

SAMSON hay carriers—Appleton Hay Tool Co., Appleton, Wis.
SAMSON hoists—English Iron Works Co., Kansas City, Mo.
SAMSON hoof parers—Leavitt Mfg. Co., Urbana, Ill.
SAMSON horse collars—Couch Bros. Mfg. Co., Atlanta, Ga.
SAMSON insulating compounds & splicing gum—Consumers Rubber Co., 829 Superior av, Cleveland, Ohio
SAMSON jacks—Oliver Mfg. Co., 326 S. Desplaines, Chicago, Ill.
SAMSON oil & grease cups—Peneberthy Injector Co.,
SAMSON packing, rubber horse shoe pads—Revere Rubber Co., Chelsea, Mass.
SAMSON padlock locks—U. S. Lock & H'dwe. Co., Columbia, Pa.
SAMSON plaster—American Cement Plaster Co., Lawrence, Kan.
SAMSON porch columns—Washington Mfg. Co., Tacoma, Wash.
SAMSON rail benders—Q. & C. Co., 90 West, New York
SAMSON rock crushers—Samson Mfg. Co., Denver, Colo.
SAMSON saw sets, post hole diggers—Hy. Disston & Sons, Tacony, Phila., Pa.
SAMSON screw drivers—Union Hardware Co., Torrington, Conn.
SAMSON screw drivers, screw driver bits—Sawyer Tool Mfg. Co., Ashburnham, Mass.
SAMSON SPOT sash cords—Samson Cordage Works, 88 Broad, Boston, Mass.
SAMSON sweep horse powers—Sandwich Mfg. Co., Sandwich, Ill.
SAMSON tack claws & pullers—Bradley & Farnham, Middlefield, Conn.
SAMSON tack claws & pullers—Rocky Hill Hardware Co., Rocky Hill, Conn.
SAMSON tank sprayer—Deming Co., Salem, Ohio
SAMSON tinners' snips & screw rods—Peck, Stow & Wilcox Co., Southington, Conn.
SAMSON toggles—U. S. Expansion Bolt Co., 25 Elm, New York
SAMSON tube brushes—Albert E. Rinn, Allentown, Pa.
SAMSON turbine water wheels—Jas. Leffel & Co., East St., Springfield, Ohio
SAMSON wagon jacks—L. J. Kelly Mfg. Co., Albany, N. Y.
SAMSON windmills—Portable Elevator Mfg. Co., Bloomington, Ill.
SAMSON windmills—Stover Mfg. & Engine Co., Freeport, Ill.
SAMSON wire stretchers—Keystone Steel & Wire Co., Peoria, Ill.
SANALOID paints—B. Binswanger & Co|, 329 N. 3rd, Phila., Pa.
SAN ANTONIO cement—San Antonio Portland Cement Co., San Antonio, Texas.
SANASEP paper cups—Sanitary Paper Cup Co., 17 Harcourt, Boston, Mass.
SANBORN book backing machines—Latham Machinery Co., 306 S. Canal, Chicago, Ill.
SANBORN steam heaters—Sanborn Furnace Co., Methuen, Mass.
SANCHO oil cups—Swift Lubricator Co., Elmira, N. Y.
SANCO rubber hose—Republic Rubber Co., Youngstown, Ohio
SANCO steam & hot water heaters—Samuel Sloan & Co., Rochester, N. Y.
SANCOTA wall finish—F. O. Pierce Co., 10 E. 43d, New York
SANDAGE steel wagon skeins—American Skein & Foundry Co., Racine, Wis.
SANDAGE steel wagon skeins—Illincis Iron & Bolt Co., Carpentersville, Ill.
SANDERS floor thimbles—American Foundry & Mfg. Co., 11th & Hebert, St. Louis, Mo.
SANDERS plows—Sanders Newell Plow Co., Chattanooga, Tenn.
SANDERSON lubricating oils & greases—Warren Lubricant Co., 22 Maurice, Buffalo, N. Y.
SANDOVAL plow coulters—Galesburg Coulter Disc. Co., Galesburg, Ill.
SANDOW belting mfrs., rubber hose, rubber packing—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
SANDOW oil engines—Wadsworth Mfg. Co., Kercheval & Connors Creek, Detroit, Mich.
SANDS lavatories—A. B. Sands & Son Co., 22 Vesey, New York
SANDS oilers—Sands Steel Specialties Co., 6947 Susquehanna, Pittsburgh, Pa.
SANDUSKY clothes washing machines—One Minute Washer Co., Sandusky, Ohio
SANDUSKY tractors—Dauch Mfg. Co., Sandusky, O.



SANDVIKEN Swedish steel—J. Wilckes Co., 135 William, New York
"SANDWICH" diaphragm pumping outfits—D. A. Hinman & Co., Sandwich, Ill.
SANDWICH hand carts, portable grain elevators—Sandwich Mfg. Co., Sandwich, Ill.
SANDWICH ISLAND hoes—American Fork & Hoe Co., Swetland bldg, Cleveland, Ohio
SANFORD logging tools—American Logging Tool Co., Evart, Mich.
SANFORD machinists' vises, milling machines & surface guards. F. C. Sanford Mrg. Co., Brodgeport, Conn.
SANFORD paste—Sanford Mfg. Co., Congress & Peoria, Chicago, Ill.
SANGAMO ampere hour meters—Sangamo Electric Co., Springfield, Ill.
SANGAMO cultivators—Racine-Sattley Co., Springfield, Ill.
SANICAP fruit jar caps—American Can Co., 120 Broadway, New York.
SANI-COVER cuspidors & sputum cups—Franks Sani-Cover Supply Co., Cambridge, Mass.
SANI-FLAT oil paints—Benj. Moore & Co., 231 Front, Brooklyn, N. Y.
SANIGLAS goggles & eye protectors—Julius King Optical Co., 10 Maiden Lane, New York
SANI-PAPER towels—Wayne Paper Goods Co., Ft. Wayne, Ind.
SANISTEEL closet seats, medicine cabinets, water closet tanks—Sanisteel Co., 1200 Niagara, Buffalo, N. Y.
SANITANT disinfectants—Fort Pitt Chemical Co., 3134 Penn av, Pittsburgh, Pa.
SANITARE kitchen enameled ware—Belmont Stamping & Enameling Co., New Phila., Ohio
SANITARY absorbent cotton—Maplewood Mills, Fall River, Mass.
SANITARY barbers' hair clippers—Coates Clipper Mfg. Co., Worcester, Mass.
SANITARY door mats—Sanitary Wire Door Mat Co., 143 S. Lincoln, Chicago, Ill.
SANITARY ice cream & milk cans—Davis-Watkins Dairymen's Mfg. Co., Jersey City, N. J.
SANITAS closet spuds—Trenton Brass & Machine Co., Trenton, N. J.
SANITAS drinking fountains, bidets, hydrants, traps, valves—Sanitas Mfg. Co., 105 Washingtton, Boston, Mass.
SANITAS sanitary flooring—Marbleoid Co., 47 W. 34th, New York
SANITAS wall coverings—Standard Oil Cloth Co., 320 Broadway, New York
SANITEX spring hinges, closet seat—Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
SANITOR kitchen tables—Bohn Refrigerator Co., 1340 Universal av, St. Paul, Minn.
SANITREAD safety stair treads—Concrete Steel Co., 42 Broadway, New York
SAN-O-LA bath room fixtures & furnishings—Art Brass Co., 299 E. 134th, New York
SANOS sewer gas traps—Jenkins Mfg. Co., Bloomfield, N. J.
SANSEALO back water traps, floor drains—Crampton-Farley Brass Co., Kansas City, Mo.
SANSON car movers—Marseilles Wks. of Deere & Co., East Moline, Ill.
SANTA CLARA defecators—Blymyer Iron Works Co., Cincinnati, Ohio
SANTA CRUZ cement—Santa Cruz Portland Cement Co., Crocker bldg., San Francisco, Cal.
SANTO vacuum cleaners—Santo Vacuum Cleaner Co., 1304 Diamond, Phila., Pa.
SANYMETAL steel toilet partitions—R. F. Carpenter Mfg. Co., 978 E. 64th, Cleveland, Ohio
SAPOLIN enamels, paints, varnishes, furniture polish & wood stains—Gerstendorfer Bros., 221 E. 42nd, New York.
SAPPHIRE wire drawing dies—John Wennstrom's Sons Co., Suffern, N. Y.
SARANAC corrugated joint fastener driving machines—Saranac Machine Co., Benton Harbor, Mich.
SARANAC rubber hose—National India Rubber Co., Bristol, R. I.
SARCO asphalt, asphalt fillers, asphalt pipe dip, insulating compounds, mineral rubber, road binders & preservatives—Standard Asphalt & Rubber Co., 208 S. La Salle, Chicago, Ill.
SARCO combustion recorders, steam & radiator traps & heat regulators—Sarco Co., Inc., 8 Park pl., New York
SARGENT car replacers—Sargent Co., 625 W. Jackson blvd, Chicago, Ill.
SARGENT door checks, hollow handle tool sets, saw vises—Sargent & Co., New Haven, Conn.
SARGENT steam engines—Providence Engineering Corp., 521 S. Main, Providence, R. I.

SARGENT steam meters, anglemeters, draft gauges—Sargent Steam Meter Co., 820 So. Tripp, Chicago, Ill.
SARGENT tile ditcher—Sargent Tile Ditcher Co., Ft. Dodge, Ia.
SARJENT garden hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
SASGEN derricks, stone grab hooks, stone handling tongs, traveling cranes, winches—Sasgen Derrick Co., 3101 W. Grand av, Chicago, Ill.
SATAN magnetos—Sumter Electric Co., 1466 Michigan av, Chicago, Ill.
SATIN toilet paper holders—Shelby Spring Hinge Co., Shelby, Ohio
SATIN SPAR finishing plaster—American Cement Plaster Co., Lawrence, Kans.
SATINETTE enamels—Standard Varnish Works, 90 West, New York
SATINOLA tan shoe polishes—S. M. Bixby & Co., 46th & 2nd av, Brooklyn, N. Y.
SATTLEY cultivators, corn planters, plows, equalizers, fertilizer attachments—Racine-Sattley Co., Springfield, Ill.
SATURN oil & grease cups—Penberthy Injector Co., 346 Holden av, Detroit, Mich.
SATURN padlock locks—U. S. Lock & H'dwe. Co., Columbia, Pa.
SAUERMAN dragline cableway excavators — Sauerman Bros., 1138 Monadnock Blk., Chicago, Ill.
SAUNDERS PATTERN pipe cutters—Collmer Bros., S. Bend, Ind.
SAUNDERS PATTERN pipe cutters—Oswego Tool Co., Oswego, N. Y.
SAUNDERS pneumatic lifts, return air pumps—Ingersoll-Rand Co., 11 Broadway, New York
SAURER motor fire engines—International Motor Co., 2621 64th, New York
SAUVEUR microscopes—Sauveur & Boylston, Cambridge, Mass.
SAVAGE rubber tires—Savage Tire Co., San Diego, Cal.
SAVE-A-COAT wood fillers—Richmond Bros., 616 Main, Cincinnati, Ohio
SAVAGRAN car cleaning compounds & soap powder—India Alkali Works, 28 India Wharf, Boston, Mass.
SAVORY bread boxes & cutlery, roasters, baking pans & steam cookers—Republic Metalware Co., Buffalo, N. Y.
SAWYER belt fasteners—Sawyer Belt Hook Co., Pawtucket, R. I.
SAWYER leather measuring machines—Turner Tanning Machinery Co., Peabody, Mass.
SAWYER-FULFORD bag filling machines, revolving scales—W. H. Sawyer & Sons, Americus, Ga.
SAWYER'S leather measuring machines—G. W. Baker Machine Co., Wilmington, Del.
SAWYER'S metal polish—Howard B. Sawyer Oil Co., 65 Long Wharf, Boston, Mass.
SAWYERS throttle valves—Chas. F. Pekor Foundry & Iron Works, Columbus, Ga.
SAXOLIN paper cement bags—Cleveland Akron Bag Co., Cleveland, Ohio
SAXON automobile horns—Russell Electric Co., Danbury, Conn.
SAXON post binders—National Blank Book Co., Holyoke, Mass.
SAXON rubber hose—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
SAXON wrenches—Kilburn & Bishop Co., 194 Chapel, New Haven, Conn.
SAXTON'S horse shoes—Fibre Cushion Horse Shoe Co., 88 New Chambers, New York
SAYBOLT viscosimeters—Chas. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
SAYBROOK spray pumps—W. & B. Douglas, Middletown, Conn.
SAYER butchers' show cases—Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.
SAYLOR cement—Coplay Cement Mfg. Co., Coplay, Pa.
S. B. & I. WORKS Siamese connections—Standard Brass & Iron Works, 1820 St. Paul av, Milwaukee, Wis.
S. & B. photomicrographic instruments—Sauveur & Boylston, Cambridge, Mass.
SCAIFE filters, steel tanks, range boilers, steel barrels, trestles, towers, stacks, water softening & purifying apparatus—Wm. B. Scaife & Sons Co., First Nat'l Bank bldg., Pittsburgh, Pa.
SCALECIDE insecticides—B. G. Pratt Co., 50 Church, New York
SCALECIDE spraying compounds—B. G. Pratt Co., 50 Church, New York
SCALINE boiler compounds—International Boiler Cleaning Co., 343 N. Calvert, Baltimore, Md.

SCANDINAVIA belting—Scandinavia Belting Co., 106 Reade, New York
SCANDINAVIAN padlocks—Union Hardware Co., Torrington, Conn.
SCATTERGOOD inkwells, envelope moisteners & glue pots—H. W. Scattergood Co., 1722 W. Venango, Phila., Pa.
SCHADE regulating valves—Schade Valve Mfg. Co., 2528 N. American, Phila., Pa.
SCHAEFFER & BUDENBERG indicating gauges—Schaeffer & Budenberg Mfg. Co., Berry & So. 5th, Brooklyn, N. Y.
SCHAFER ball bearings—Barthel & Daley, 1790 Broadway, New York
SCHAFFER car wheel presses—McCall Machine Works, Rochester, N. Y.
SCHAPER guy lamps—General Electric Co., Schenectady, N. Y.
SCHARTOW harness snaps—Schartow Mfg. Co., Milwaukee, Wis.
SCHEBLER carbureters, gasoline strainers—Wheeler-Schebler Carbureter Co., Indianapolis, Ind.
SCHENCK fire hose reels—Revere Rubber Co., Chelsea, Mass.
SCHENECTADY gas engines—Westinghouse Co., Schenectady, N. Y.
SCHICKS baling presses—Davenport Mfg. Co., Davenport, Ia.
SCHILDBACK automobile wind shields—Limousine-Carriage Mfg. Co., 3515 S. Michigan av, Chicago, Ill.
SCHILLING adjustable racks—A. F. Flanders Mfg. Co., Buffalo, N. Y.
SCHINDLER bolting cloth—Cornelius Mill Furnishing Co., 119 N. 6th, St. Louis, Mo.
SCHIPPACH crucible clays—Kern Commercial Co., 114 Liberty, New York
SCHLUETER floor surfacing machines—M. L. Schlueter, 225 W. Illinois, Chicago, Ill.
SCHMIDT pumping jacks—B. L. Schmidt Co., Davenport, Ia.
SCHMIDT rail sawing machines—Track Necessities Co., 343 S. Dearborn, Chicago, Ill.
SCHNEIDER heaters—Schneider Heating Device Co., Cleveland, Ohio
SCHOEDINGER R. S. V. ventilators—F. O. Schoedinger, 142 N. 3d, Columbus, Ohio
SCHOENMEHL circuit batteries—Waterbury Battery Co., Waterbury, Conn.
SCHOFIELD cloth cutting machines—Birmingham Iron Foundry, Derby, Conn.
SCHOFIELD potato planters, potato diggers, sickel grinders—Schofield & Co., Freeport, Ill.
SCHOLL blind hinges—Grey Iron Casting Co., Mt. Joy, Pa.
SCHOOL PIN radiators — H. B. Smith Co., Westfield, Mass.
SCHRADER pneumatic tire valves—A. Schrader's Son, 783-803 Atlantic av, Brooklyn, N. Y.
SCHRADER UNIVERSAL tire pressure gauges—A. Schrader's Sons, Inc., Brooklyn, N. Y.
SCHRODER key hole guards—J. B. Schroder & Co., 133 E. 5th, Cincinnati, Ohio
SCHROEDER headlights—Schroeder Headlight & Generator Co., Evansville, Ind.
SCHROEDER portable grain elevators—H. V. Schroeder Mfg. Co., Minier, Ill.
SCHROEDER'S PEERLESS window screen hangers & fasteners—Stanley Works, New Britain, Conn.
SCHROETER'S horse radish graters—Schroeter Bros. Hardware Co., 810 Washington av, St. Louis, Mo.
SCHUERENBERG farm wagons—F. W. Schuerenberg Brenham, Tex.
SCHEUTZEN rifle powder—du Pont de Nemours & Co., E. I., Wilmington, Del.
SCHUG gas igniters—Schug Electrical Mfg. Co., 252 E. Larned, Detroit, Mich.
SCHULTZ friction clutches—A. L. Schultz & Son, 1675 Elston ave, Chicago, Ill.
SCHULTZ pianos—M. Schultz Co., 711 Milwaukee av, Chicago, Ill.
SCHULTZE smokeless shotgun powders—du Pont de Nemours & Co., E. I., Wilmington, Del.
SCHULZ spinning lathes—Wilcox Mfg. Co., 4824 W. Lake, Chicago, Ill.
SCHUMACHER'S rubbing grains—R. J. Waddell & Co., 52 Beekman, New York
SCHUTTE engine stops, suction strainers, valves—Schutte & Koerting Co., Phila., Pa.
SCHUTTLER farm wagons—Peter Schuttler Co., 2509 W. 22nd, Chicago, Ill.
SCHWARTZ electric curling irons—Wm. Slaughter, 1712 S. Michigan ave., Chicago, Ill.
SCHWARZE telephone bells—Schwarze electric Co., Adrian, Mich.
SCIENTIFIC feed water purifiers—Wm. B. Scaife & Sons Co., 1st Nat'l Bank bldg, Pittsburgh, Pa.

SCIENTIFIC gas & gasoline engines—Bauroth Bros., Springfield, Ohio
SCIENTIFIC hydraulic tire setters—Lourie Mfg. Co., Springfield, Ill.
SCIENTIFIC oil cake mills—Bauer Bros. Co., Bauer bldg, Springfield, Ohio
SCIENTIFIC spray nozzles—Niagara Sprayer Co., Middleport, N. Y.
SCIMATCO optical pyrometers—Scientific Materials Co., 717 Forbes, Pittsburgh, Pa.
SCLEROSCOPE testing instruments—Shore Instrument & Mfg. Co., Jamaica, N. Y.
SCOCO oils, oxygen paints, shingle stains, stearine, pitch—Southern Cotton Oil Co., 120 B'way, New York
SCOLLAY steam & hot water heaters—John A. Scollay (Est. of), 74 Myrtle av, Brooklyn, N. Y.
SCOOP mirror shades & reflectors—National X-Ray Reflector Co., 233 W. Jackson blvd, Chicago, Ill.
SCOOP window reflectors—Curtis-Leger Fixture Co., 235 W. Jackson blvd, Chicago, Ill.
SCOT WATER relief valves—Stephens, Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
SCOTCH CLIPPER breaking plows—Moline Plow Co., Moline, Ill.
SCOTCH farriers' hammers—Champion Tool Co., Meadville, Pa.
SCOTCH gauge glasses—H. A. Rogers Co., 87 Walker, New York
SCOTCH harrows & pulverizers—W. S. Hazen, Ripon, Wis.
SCOTCH pig iron—C. Tennant Sons & Co., 100 William, New York
SCOTT columns, concentrators, condensers, evaporators, stills, steam jacketed mills, dryers, etc.—Ernest Scott & Co., Fall River, Mass.
SCOTT currycombs—Southington Hardware Co., Southington, Conn.
SCOTT CUTTER testing clamps & tree insulators—Scott C. Cutter, Oswego, Ill.
SCOTT mining picks—American Mining Tool Co., Ottumwa, Iowa
SCOTT rock drills—Scott Drill Co., Bank of Commerce bldg, St. Louis, Mo.
SCOTT valves—Stephens-Roe Mfg. Co., 1097 McKinley, Detroit, Mich.
SCOTTCO diamond pattern asphalt roofing — Scott Roofing & Mfg. Co., 409 Culvert, Cincinnati, Ohio
SCOTTS crucible vanadium—Bourne Fuller Co., Hickox bldg, Cleveland, Ohio
SCOTTS I X L high speed steel—Bourne-Fuller Co., Cleveland, Ohio
SCOTTS pea separators—Sprague Canning Machinery Co., 222 N. Wabash ave, Chicago, Ill.
SCOTTS rubber roofing—Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, Ohio
SCOUREE metal polish—Grady Mfg. Co., 250 Ely av, Astoria, N. Y.
SCOUT automatic toy repeating paper cap rifles—Rockaway Mfg. Co., 441 Culvert, Cincinnati, O.
SCOUT RUNNER hand cars—Pliny D. Wilson Co., 433 California, San Francisco, Cal.
SCOVILLES pattern molasses gates—E. C. Stearns & Co., 405 Oneida, Syracuse, N. Y.
SCRANTO acetylene mine lamps—Scranton Acetylene Lamp Co., Scranton, Pa.
SCRANTON gauge cocks—American Safety Lamp & Mine Supply Co., Scranton, Pa.
SCUFF plates for automobiles—Capital Brass Fdry., Salt Lake City, Utah
SCULLY flanging clamps—Scully Iron & Steel Co., 2554 S. Ashland ave, Chicago, Ill.
S. & D. jack spools—Sweet & Doyle, Cohoes, N. Y.
SEA BELL carbon paper—Minford Ribbon & Carbon Co., 9 Walker, New York
SEA LION belting—Chicago Belting Co., 125 N. Green, Chicago, Ill.
SEA-RINGS rod packing—H. W. Johns-Manville Co., Madison av & 41st, New York
SEAL BRAND belting—W. H. Salisbury & Co., 308 N. Madison, Chicago, Ill.
SEALINE oils & greases—H. B. Kingsley, 325 St. Clair av, N. W., Cleveland, Ohio
SEALITE power transmission chains—Pioneer Mfg. Co., Cleveland, Ohio
SEAL manila wrapping paper—Newton Paper Co., Holyoke, Mass.
SEAL OF QUALITY salt-Utah—Salduro Co., Salt Lake City, Utah.
SEALOGRAPH envelope sealing machines—Saunders Mfg. Co., 1700 B'klyn av, Kansas City, Mo.
SEAL ROCK packing, rubber hose—Pioneer Rubber Mills, San Francisco, Cal.
SEALSKIN waterproof belting—Burr Oak Belting Co., 521 Livingston, Cincinnati, Ohio
SEAL-TITE piston rings—Seal-Tite Piston Ring, Inc., 1704 E. Lake, Minneapolis, Minn.



SEAL-TITE PLASTIC ROOFING cements—Monarch Paint Co., W. 70th, Cleveland, Ohio
SEAMAN ice cream freezers—North Bros. Mfg. Co., Lehigh ave & American, Phila., Pa.
SEAMLESS speaking tubes—Elwood Ivins Tube Works, Oakline Station, Phila., Pa.
SEAMLESS telephone mouthpieces—General Insulate Co., 1008 Atlantic av, Brooklyn, N. Y.
SEARCH-LIGHT bicycle lanterns—Bridgeport Brass Co., Bridgeport, Conn.
SEARCHLIGHT electric lamp brackets—McCrosky Reamer Co., Meadville, Pa.
SEARCHLIGHT shears, tinners' snips—Bartlett Mfg. Co., 406 Lafayette, Detroit, Mich.
SEARCHLIGHT stoves—Utility Stove & Range Co., Indianapolis, Ind.
SEARIGHT pruning tools, Bartlett Mfg. Co., 40 E. Lafayette, Detroit, Mich.
SEARIGHT'S tanners' snips—St. Louis Sales Co., Chemical bldg., St. Louis, Mo.
SEARLS pipe vises—Spencer Regulator Co., Salem, Mass.
SEARLS-THOMAS carriage top props—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
SEARS perfect fireless cookers—Household Equipment Co., 171 27th ave, S. E., Minneapolis, Minn.
SEATTLE safety cargo hooks—Thos. Laughlin Co., Portland, Me.
SEAVEY PATENT mitre boxes—Smith & Hemenway Co., Inc., 261H B'way, New York; 130H Coit, Irvington, N. J.
SEBA lubricating oils & greases—Swan & Finch Co., 165 B'way, New York
SEBCO expansion bolts, toggle bolts, aerial rings, brick drills, concrete anchors, concrete inserts—Star Expansion Bolt Co., 145 Cedar, New York
SE BEN KERAU high speed steel & tool sets—Greaves Robt. K. & Co., 1336 W. Washington blvd, Chicago, Ill.
SECO cigar lighters, annunciators, telephones & ash trays—Spielman Elec. Co., 1931 B'way, New York
SECO steel casting converters—Bradley Stoughton, 29 W. 39th, New York
SECOR typewriters — Secor Typewriter Rep. Co., Derby, Conn.
SECOR'S weeding hooks—Potter Mfg. Co., Geneva, Ohio
SECRET SERVICE dry batteries—Fred D. Harper, Everett, Mass.
SECURE LEVERS, padlocks—Slaymaker Lock Co., Lancaster, Pa.
SECURITAS anti-siphon traps—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
SECURITY asphalt roofing — National Roofing Co., Tonawanda, N. Y.
SECURITY automobile tire holders—Post & Lester Co., Hartford, Conn.
SECURITY barn door latches—Peck H'dwe Co., Berlin, Wis.
SECURITY blow-off valves—Wm. T. Fowden, Chester, Pa.
SECURITY box straps, blind & shutter fasteners—Stanley Wks, New Britain, Conn.
SECURITY cash recorders—Hough Cash Recorder Co., Indian Orchard, Mass.
SECURITY concrete inserts—Security Insert Co., 33rd & Arch, Phila., Pa.
SECURITY electric, railway specialties, conduit & sewer rods, supporting clamps, pole seats, underground conduit tools, cable terminals, telephone terminals, manhole covers—F. Bissell Co., Toledo, Ohio
SECURITY hatch fasteners—Mullholland Hatch Fastener Co. Cleveland Ohio
SECURITY journal box dust guards—Western Railway Equipment Co. Central National Bank bldg., St. Louis, Mo.
SECURITY portable lamp guards—McGill Mfg. Co., 26 Oak, Valparaiso, Ind.
SECURITY metallic shingles—Hyndman Roofing Co., 318 E. 2nd, Cincinnati, Ohio
SECURITY step ladders—Goshen Churn & Ladder Co., Goshen, Ind.
SECURITY stove pipe & elbows—Follansbee Bros. Co., 3rd & Liberty, Pittsburgh, Pa.
SECURITY stoves—Security Stove & Mfg. Co., 17th & Oakland av, Kansas City, Mo.
SECURITY trace carriers—North & Judd Mfg. Co., New Britain, Conn.
SECURITY ventilating sash locks — Burgess-Norton Mfg. Co., Geneva, Ill.
SECURITY whip socket fasteners—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
SECURITY window guards—Security Window Guard Co., 130 N. 5th av, Chicago, Ill.

SECURO battery connectors—Stevens & Co., 375 Broadway, New York
SECURO grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
SECURO pipe joint cements—R. M. Starbuck & Sons, Hartford, Conn.
SEDALIA lawn swings—Thos. K. Barley, Sedalia, Mo.
SEDGLEY packing—Anchor Packing Co., Lafayette bldg., Philadelphia, Pa.
SEDGWICK comealongs—Eureka Fence Mfg. Co., Richmond, Ind.
SEEDS dry plates—Eastman Kodak Co., Rochester, N. Y.
SEEDS faucet filters, hand cleaners—Seed Filter & Mfg. Co., 73 Franklin, New York
SEEGER refrigerators—Seeger Refrigerator Co., Arcade & Wells, St. Paul, Minn.
SEEKONK rubber hose—National India Rubber Co., Bristol, R. I.
SEELY SANITARY fireless cookers—Francis A. Seely Co., 5735 Harper av, Chicago, Ill.
SEEVERS steam heaters—Seevers Mfg. Co., Oskaloosa, Iowa
SEEWELL reading glasses—C. D. Wood Electric Co., 441 B'way, New York
SEGAL hardware—Burglar Proof Lock & Hardware Corp., 75 Fulton, New York.
SEGMENT potato planters — Potato Implement Co., Traverse City, Mich.
SEGUR coil winding equipment—Electrical Mfrs. Equipment Co., 712 Postal Telegraph bldg, Chicago, Ill.
SEIBERT fly cacthers—H. E. Seibert, 475 B'way, St. Paul, Minn.
SEIBERT lubricators—Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
SEIDEL sash pulleys — Seidel Mfg. Co., Boatmen's Bank bldg., St. Louis, Mo.
SEIGH annealing boxes—Petroleum Iron Works Co., Sharon, Pa.
SEISS automobile & bicycle horns—Seiss Mfg. Co., Toledo, Ohio
SELDEN motor trucks—Selden Truck Corp., Rochester, N. Y.
SELDEN packing—Randolph Brandt, 70 Cortlandt, New York
SELECTED oxide of zinc—New Jersey Zinc Co., 160 Front, New York
SELESTRON lacquer—Chemical Products Co., 30 Charles River rd. Boston, Mass.
SELF ACTING feed carriers—Louden Machinery Co., Fairfield, Ia.
SELF-CLINCHING belt fasteners—Angell Belt Hook Co., 16 Warren av, Providence, R. I.
SELF-CLOSING gate hinges—Grey Iron Casting Co., Mt. Joy, Pa.
SELF-FEEDING duplicators—Beck Duplicator Co., 476 B'way, New York
SELF LOCK wire stretchers—Hunt, Helm, Ferris & Co., Harvard, Ill.
SELF LOCKING sling pulleys—J. E. Porter Co., Ottawa,, Ill.
SELF-SENTERING concrete reinforcement—General Fireproofing Co., Youngstown, Ohio
SELF SHARPENING feed cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
SELLERS anchor bottom plates—Sellers Mfg. Co., 332 S. Michigan av, Chicago, Ill.
SELLEW disc grinders—Sellew Machine Tool Co., Pawtucket, R. I.
SELLS roller bearings, combination grease & oil guns —Royersford Foundry & Machine Co., 52 North 5th, Philadelphia, Pa.
SELMA ranges—Huenefeld Co., Cincinnati, Ohio
SELSOR'S hatchet—Germantown Tool Works, 521 Market, Phila., Pa.
SELTONA photographic paper—J. L. Lewis, 522 6th av, New York
SEMCO automobile inner tubes—Semple Rubber Co., Trenton, N. J.
SEMCO vacuum cleaners—Semco Mfg. Co., Nashville, Tenn.
SE-MENT-OL automobile radiator cements—Northwestern Chemical Co., Marietta, Ohio
SEMHI milling metal & slitting saws—Huther Bros. Saw Mfg. Co., Rochester, N. Y.
SEMI-BRONZE packing, gaskets — General Asbestos & Rubber Co., Charleston, S. C.
SEMI-INDIRECT electric fixtures—Harter Mfg. Co., 524 S. Clinton, Chicago, Ill.
SEMINOLE rubber hose—National India Rubber Co., Bristol, R. I.
SEMPER IDEM babbitt metal, aluminum solder—Thos. Wildes Son, 14 Dover, New York
SENATE belting—Boston Woven Hose & Rubber Co., Cambridge, Mass.
SENATOR packing—Anchor Packing Co., Lafayette bldg., Phila., Pa.
SENECA enameled iron bath tubs — McVay-Walker Co., Braddock, Pa.
SENECA reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg., New York
SENECA STANDARD plug & drip filter stones & syphon filters—Seneca Tripoli Co., Sience bldg, St. Louis, Mo.
SENIOR lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
SENIOR LEADER orchard sprayers—Field Force Pump Co., Elmira, N. Y.
SENSATION belting—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
SENSIBLE egg & cream beaters, pot chains—Woods-Sherwood Co., Worcester, Mass.
SENSIBLE mailing boxes—Jencks Paper Cox Co., 45 Waldo, Providence, R. I.
SENSIBLE sad irons—Colebrookdale Iron Co., Pottstown, Pa.
SENSIBLE sad irons, carpet beaters, presses, mincing ice tongs, roll paper cutters, toilet paper & bag holders, twine holders & vegetable cutters—N. R. Streeter & Co., Rochester, N. Y.
SENSIBLE storm sash hangers—R. G. Winter Mfg. Co., 2102 Vliet, Milwaukee, Wis.
SENTINEL automatic air valves—Denver Hydro Co., 3100 Stuart, Denver, Colo.
SENTINEL oil cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
SENTINEL rubber hose—Voorhees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
SEPARABLE carriage fasteners—Chas. Weiss & Son, 4715 Cottage Grove av, Chicago, Ill.
SERGEANT pneumatic drills—Ingersoll-Rand Co., 11 Broadway, New York
SERPENTINE screw drivers, scratch awls, stove pokers—Arcade Mfg. Co., Freeport, Ill.
SERVICE belting, hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
SERVICE double unit safety chains—Sala Co., Canton, O.
SERVICE packing—H. W. Johns-Manville Co., Madison av & 41st, New York
SERVICE steel stools—Toledo Metal Furniture Co., Toledo, Ohio
SERVICE telephone switchboards—Kellogg Switchboard & Supply Co., 1066 W. Adams, Chicago, Ill.
SERVICE BRAND conveyor belts — Link-Belt Co., 329 W. 39th, Chicago, Ill.
SESCO plumbers' sanitary earthenware — Sanitary Earthenware Specialty Co., Trenton, N. J.
SESSIONS—STANDARD draft gear—Standard Coupler Co., 30 Church, New York
7-11 loose pin screen door hinges—Champion Hardware Co., Geneva, Ohio
76 PASTE pipe joint cements—W. T. Baker, 224 Suydam ave, Jersey City, N. J.
SEVERN fire place heaters—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
SEWELL steam couplers—Consolidated Car Heating Co., Albany, N. Y.
SEXTOBLADE safety razors—Edward Weck & Son, 148 Fulton, New York
SEXTON automobile fuel & oil storage tanks, barrel pumps, gasoline strainers & outfits—Sexton Can Co., 123 Broad, Boston, Mass.
SEXTON'S oil cans, oil filters, paint pots, deep pans, can spouts, underground garbage receivers & lubricating tanks—Sexton Can Co., 123 Broad, Boston, Mass.
SEXTON SANITARY underground garbage receivers Sexton Can Co., 123 Broad, Boston, Mass.
SEYBOLD round cornering machines—Seybold Machine Co., Dayton, Ohio
SEYMOUR post hole diggers—Seymour Mfg. Co., Seymour, Ind.
SEYMOUR shears & scissors—Wiebush & Hilger, 106 Lafayette, New York
SHAFFER incandescent cut-outs—H. T. Paiste Co., 3201 Arch, Phila., Pa.
SHAIN ball spray carburetors—Chas. D. Shain, Sta. L, Brooklyn, N. Y.
SHAKER flour sifters—Republic Metalware Co., Buffalo, N. Y.
SHAKER potato diggers—Deere & Co., Moline, Ill.
SHAKER potato diggers—South Bend Chilled Plow Co., South Bend, Ind.
SHAKESPEARE carburetors—Shakespeare Co., Kalamazoo, Mich.
SHALER tire vulcanizers, electric stoves—C. A. Shaler Co., Waupun, Wis.
SHAM-ROCK babbitt metal—Cleveland Alloys Co., Elm & Superior, Cleveland, Ohio

SHAMROCK conduit pipe hanging clamps, floor plugs, tank switches—W. F. Irish Electric Supplies, 130 W. 32nd, New York
SHAMROCK fire clay & kaolin—National City Refining Co., 430 Walnut, Phila., Pa.
SHAMROCK horse nails—Fowler Nail Co., Seymour, Conn.
SHAMROCK incandescent electric lamps—Standard Electric Lamp Co., 67 Hamilton, Newark, N. J.
SHAMROCK lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
SHAMROCK roof snow guards—National Safety Fifth Wheel Co., Lancaster, Pa.
SHANNON jigs for coal washeries—Link-Belt Co., 329 W. 39th, Chicago, Ill.
SHANNON sewer cleaning machines—J. H. & R. Shannon, 538 Bergen av, Jersey City, N. J.
SHAPCO radiator shields—Sodemann Heat & Power Co., 2306 Morgan, St. Louis, Mo.
SHARK adjustable wrenches—Richards-Wilcox Mfg. Co., Aurora, Ill.
SHARON car couplers—National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, Ohio
SHARON door & storm hangers, cupboard catches, sash locks—Sharon Hardware Mfg. Co., Sharon, Pa.
SHARON BEAUTIES surface hinges—Sharon Hardware Mfg. Co., Sharon, Pa.
SHARON TROLLEY barn door hangers—Sharon Hardware Mfg. Co., Sharon, Pa.
SHARP spark plugs—Sharp Spark Plug Co., C. A. C. bldg, Cleveland, Ohio
SHARPEN EZY nail sets, tinners' punches & chisels—H. D. Smith & Co., Plantsville, Conn.
SHARPLES cow milking machines—Dairy Specialty Co., Westchester, Pa.
SHARP-MILLER photometers—Foote-Pierson & Co., 160 Duane, New York
SHARPSHOOTER smokeless rifle—Hercules Powder Co., Wilmington, Del.
SHARP-WELL razor strops—Illinois Razor Strop Co., 2035 Charleston, Chicago, Ill.
SHAUGHNESSY cotton waste machines—Smith & Furbush Machine Co., Hancock & Somerset, Phila., Pa.
SHAVEZY razor-guards, safety razors—L. T. Weiss, 286 Taaffe pl, Brooklyn, N. Y.
SHAW adjustable knives—Chapman-Sargent Co., Piqua, Ohio
SHAW blow-off valves—National Supply Co., Toledo, Ohio
SHAW calf weaners—Barbee Wire & Iron Works, 111 Washington, Chicago, Ill.
SHAW couplings—Dodge Sales & Engineering Co., Mishawaka, Ind.
SHAW lightning arresters—Lord Mfg. Co., 105 W. 40th, New York
SHAW marine wheels—Shaw Propeller Co., 15 Elkins, Boston, Mass.
SHAW mercury gauges—Quimby Engineering Co., 450 N. 10th, Phila., Pa.
SHAW motor cycles—Shaw Mfg. Co., Galesburg, Kan.
SHAW pneumatic rock drills, rock drill sharpening machines—C. H. Shaw Pneumatic Tool Co., Denver, Col.
SHAW & FLINN'S lifting rod cleaners—Draper Corp., Hopedale, Mass.
SHAWCO punched & recessed joint pipe—Benj. F. Shaw Co., Wilmington, Del.
SHAWMUT conduit hangers, fuse links, fuse blocks, fuse chips, leadwire fuses, ground connection clamps, locknut bushings, terminal lugs—Condit Electrical Mfg. Co., 1st & L, Boston, Mass.
SHAWMUT flue linings, sewer pipe—Shawmut Clay Mfg. Co., Drummond, Pa.
SHAWMUT packing, rubber hose—Revere Rubber Co., Chelsea, Mass.
SHAWMUT steel bins—Shawmut Iron & Wire Works, Everett, Mass.
SHAWMUT underground conduits—M. J. Drummond Co., 51 Chambers, New York
SHAY industrial locomotives—Lima Locomotive Corp., 106 3rd, Lima, Ohio
SHE locomotive sanders—United States Metallic Packing Co., 221 N. 13th, Phila., Pa.
SHEAR CUT CLIPPER can openers—W. G. Browne Mfg. Co., Kingston, N. Y.
SHEAR-KLEAN grate bars—Marion Machine, Foundry & Supply Co., Marion, Ind.
SHEBOYGAN coaster wagons—Sheboygan Coaster & Wagon Works, Sheboygan, Wis.
SHEDITE waterproof belting—I. B. Williams & Sons, Dover, N. H.
SHEDD'S wire blind & shutter fasteners—Stanley Works, New Britain, Conn.
SHEEPSKIN leather aprons—Hudson Belting Co., 3 Eaton pl, Worcester, Mass.



SHEETROCK wall boards—U. S. Gypsum Co., 205 W. Monroe, Chicago, Ill.
SHEFFIELD cattle guards, hand cars, railroad water columns, velocipede cars, inspection cars, locomotive cranes, stand pipes—Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
SHEFFIELD potato planters—Sheffield Mfg. Co., Burr Oak, Mich.
SHEFFIELD pig iron—Sloss Sheffield Steel & Iron Co., Birmingham, Ala.
SHEKLETON NO SPRING lock washers—Shekleton Nutlock, Lt., 68 Broad, New York
SHEKLETON UNIT locknuts—Shekleton Nutlock, Ltd., 68 Broad, New York
SHELBY air tanks, automobile axles, tubing, cream separator bowls, die-stock handles, hollow seamless steel tubing, cylinders, boiler tubes, boiler tube safe ends, drill rods, mandrels, hose poles, tempering pots, water gates & trolley car & street poles—National Tube Co., Frick bldg, Pittsburgh, Pa.
SHELBY bell cord couplings—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
SHELBY electric lamps—Shelby Lamp Division of G. E. Co., Shelby, Ohio
SHELBY farm tractors—Shelby Tractor & Truck Co., Shelby, Ohio
SHELBY spring & screen door hinges, sash locks—Shelby Spring Hinge Co., Shelby, Ohio
SHELBY CHIEF floor hinges—Shelby Spring Hinge Co., Shelby, Ohio
SHELDON automobile springs—Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
SHELDON car movers—Aldon Co., 3338 W. Ravenswood av, Chicago, Ill.
SHELDON car movers & pinch bars—Stephens Adamson Mfg. Co., Aurora, Ill.
SHELDON car movers & pinch bars—Webster Mfg. Co., 4500 Cortland, Chicago, Ill.
SHELLENE asphalt roofing—A. H. White Co., Ltd., Howard, Venus, Miro & Tonti, New Orleans, La.
SHELLEY corporation cock inserting machines—A. P Smith Mfg. Co., East Orange, N. J.
SHEN-KING railroad copying paper—Wm. Mann Co., 529 Market, Phila., Pa.
SHEPARD canned goods—Otoe Food Products Co., Nebraska City, Neb.
SHEPARD cranes & hoists—Shepard Electric Crane & Hoist Co., Montour Falls, N. Y.
SHEPARD vises—Prentiss Vise Co., 110 Lafayette, New York
SHEPARD'S blind fasteners, gate latches, gravity-locking blind hinges—Wrightsville Hardware Co., Wrightsville, Pa.
SHEPARD'S LIGHTING ice cream freezers—North Bros. Mfg. Co., Lehigh av & American, Phila., Pa.
SHERARDUCT rigid steel conduits—National Metal Molding Co., 1110 Fulton bldg., Pittsburgh, Pa.
SHERBURNE car door holders, rail benders—Sherburne & Co., 53 Oliver, Boston, Mass.
SHERIFF hydraulic pumps—Tranter Mfg. Co., 105 Water, Pittsburgh, Pa.
SHERMAN emery wheel dressers—Desmond-Stephen Mfg. Co., Urbana, Ohio
SHERMAN ground connection clamps—H. B. Sherman Mfg. Co., Battle Creek, Mich.
SHERMAN'S liquid stove polish—Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
SHERRED-FRENCH valve inserting machines—A. P Smith Mfg. Co., East Orange, N. J.
SHERWOOD closet seats — Sherwood Brass Works, 1167 E. Jefferson, Detroit, Mich.
SHERWOOD concrete form fasteners—M. C. Ryan Co., Phoenix, N. Y.
SHERWOOD corn poppers — Woods-Sherwood Co., Worcester, Mass.
SHERWOOD metal frame window screens—Continental Co., Book, Detroit, Mich.
SHERWOOD boiler injectors & oil lubricators—Sherwood Mfg. Co., 1710 Elmwood av, Buffalo, N. Y.
SHERWOOD'S carpet beaters, dish drainers, gas jet heaters, tea balls & wire card racks—Woods-Sherwood Co., Worcester, Mass.
SHIDOO hand soap paste—Yeazell-Goldstein Co., Columbus, Ohio.
SHIELD leather belting—McCauley Belting Co., 412 Orleans, Chicago, Ill.
SHIELD linseed oil soap—India Alkali Works, 28 India Wharf, Boston, Mass.
SHIELD lubricating oils & greases—Wm. P. Miller Co., 2316 S. Wabash av, Chicago, Ill.
SHIELD safety fuse—Du Pont de Nemours & Co., E. I., Wilmington, Del.
SHIELDS lubricating oils & greases—W. P. Miller Co., 250 Greene, B'klyn, N. Y.

SHIFFER trolley street poles—American Bridge Co., 30 Church New York
SHIM brake slack adjusters—Standard Coupler Co., 30 Church, New York
SHIMER woven wire fences—Spring Steel Fence & Wire Co., Anderson, Ind.
SHINE-ALL metal polish—Eugene Arnstein, 45 W. 26th, Chicago, Ill.
SHINEAUL metal polish—Ericka Mfg. Co., Springfield, Mass.
SHINE BRIGHT metal polish—Parker Refining Co., 1307 W. 11th, Cleveland, Ohio
SHINE-M-UP metal polish—Simplex Auto Specialty Co., 733 Woodward av, Detroit, Mich.
SHINE ON metal polish—Richard S. Morris & Co., 138 N. Dearborn, Chicago, Ill.
SHINGLE roofing felts—Flintkote Co., 88 Pearl, Boston, Mass.
SHINGLE-EDGES shingle stains—L. Sonneborn Sons, 262 Pearl, New York
SHI-NITE metal polish—Adams & Elting Co., 726 Washington, Chicago, Ill.
SHINO chemical dust mops, broom covers, dustless dust cloths, mitten dusters, polishing cloths, soap & powder—Pioneer Mfg. Co., Cleveland, Ohio
SHINON metal polish, furniture polish—Rochester Chemical Co., Rochester, N. Y.
SHIPERD shaft coupling bolts—Cleveland Shaft Spring Co., Cleveland, Ohio
SHIPMATE galley stoves—Stamford Foundry Co., Stamford, Conn.
SHIPOLEUM architectural varnish—Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
SHIPPERLOC elevator safety locks & devices—Shipperloc Co., 368 Atlantic av, Boston, Mass.
SHIP-SAFE tire crates—R. E. Beers L'br Co., Trenton, N. J.
SHIRLEY cotton rope—Samson Cordage Works, 88 Broad, Boston, Mass.
SHIRLEY steam heaters—Shirley Radiator & Foundry Co., Indianapolis, Ind.
SHOCK ABSORBER lawn mowers — Supplee-Biddle Hardware Co., 510 Commerce bldg., Phila., Pa.
SHOEMAKER locomotive fire doors—National Railway Devices Co., 224 S. Desplaines, Chicago, Ill.
SHOE SATIN bixola shoe polishes—S. M. Bixby & Co., 46th & 2nd av, Brooklyn, N. Y.
SHO-FUR carriage robes—Burlington Blanket Co., Burlington, Wis.
SHONE sewage ejectors—Shone Co., 231 Institute pl, Chicago, Ill.
SHOUP'S autographic registers—Autographic Register Co., Hoboken, N. J.
SHOW disc sharpeners—Skow Mfg. Co., Newton, Ia.
SHUART road machines, land road levelers — Ohio Road Machinery Co., Oberlin, Ohio
SHULIFE shoe dressing—R. M. Hollingshead Co., Camden, N. J.
SHULTIS sectional bark mills—Wm. Bartley & Sons, Bartley, N. J.
SHULTZ belting, belt dressing, belt cements, patent pulley covering—Shultz Belting Co., Fourth & Barton, South St. Louis, Mo.
SHULTZ store front construction, coal chutes—Shultz All Steel Corner Post Co., St. Joseph, Mo.
SHUMAN neck yoke centers, neck yokes—National Neck Yoke Co., Rock Island, Ill.
SHUMARD sash balances—Coleman Hardware Co., 220 S. Michigan av, Chicago, Ill.
SHUMATE razors—Shumate Razor Co., 706 Chestnut, St. Louis, Mo.
SHURBOND metal lath—Goldsmith Metal Lath Co., 53 Central av, Cincinnati, Ohio
SHUREDRY contractors' tents—Geo. B. Carpenter & Co., 440 North Wells, Chicago, Ill.
SHUREDRY horse covers & waterproof tarpaulins—Fulton Bag & Cotton Mills, Atlanta, Ga.
SHUR-KATCH fly traps—National Enameling & Stamping Co., 411 5th av, New York
SHURLOK lock sockets—Pass & Seymour, Solvay, N. Y.
SHURNUF window ventilators—Universal Ventilating Co., 14 Oak, Kansas City, Mo.
SHURO storage battery cell testers—Frank W. Morse, 289 Congress, Boston, Mass.
SHUR SHUT mouse traps—Fort Dearborn Mfg. Co., Sterling, Ill.
SHUSTER automatic wire straightening & cutting machines—F. B. Shuster Co., Cedar Hills, New Haven, Conn.
SHUTTLE cloth laying machines—Shuttle Machine Co., 18 E. 17th, New York
SHUWHITE shoe polishes—S. M. Bixby & Co., 46th & 2nd av, Brooklyn, N. Y.
SHYROCK wire rope clamps — Leidecker Tool Co., Marietta, Ohio
SIASTEX waterproofing material — Sicilian Asphalt Paving Co., 41 Park row, New York
SIBERIAN ice & refrigerating machines—Armstrong Machinery Co., Spokane, Wash.
SIBERIAN stove pokers—Arcade Mfg. Co., Freeport, Ill.
SICTITE gummed advertising stickers—Grand Rapids Label Co., Grand Rapids, Mich.
SIDNEY blast furnaces—Northwestern Iron Co., 1st Nat'l Bank bldg, Milwaukee, Wis.
SIDNEY plows, drag road scrapers, stone barrows—Sidney Steel Scraper Co., Sidney, Ohio
SIEBEN gas shut-off valves—Fire & Gas Appliance Co., 1906 Wyandotte, Kansas City, Mo.
SIEBEN traps, floor drains—Prier Brass Mfg. Co., Kansas City, Mo.
SIEBER & TRUSSELL loose leaf devices—Boorum & Pease Co., 109 Leonard, New York
SIEMAN valves—Sterrit-Thomas Foundry Co., 32nd & Smallman, Pittsburgh, Pa.
SIEMENS marine indicators—McNab Co., Bridgeport, Conn.
SIFON ventilators—Illinois Art Metal Co., Springfield, Ill.
SIGNAL oil cups—Wm. Powell Co., Cincinnati, Ohio
SIGNALOID incandescent lamp coloring—Universal Electric Stage Lighting Co., 240 W. 50th, New York
SIGNET belt dressing—Russia Cement Co., Cloucester, Mass.
SIGNET floor drains—Crampton-Farley Brass Co., 221 Main, Kansas City, Mo.
SIGWALT seal presses—Sigwalt Mfg. Co., 3658 Armitage, Chicago, Ill.
SILBEY drilling machines—Silbey Machine Co., 70 Tutt, South Bend, Ind.
SILCAR carborundum brick—Didier-March Co., Perth Amboy, N. J.
SILENT door hangers—National Mfg. Co., Sterling, Ill.
SILENT hoists—Wunsch & Washburn, Stone av & McDougal, Brooklyn, N. Y.
SILENT salesman show cases—Detroit Show Case Co., 480 Fort W., Detroit, Mich.
SILENT water closets—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162nd, New York
SILEX chisels—Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
SILEX coffee filters & percolators—Silex Co., 45 High, Boston, Mass.
SILEX lubricating oils—Borne-Scrymser Co., 80 South, New York
SILEX oil & grease cups—Penberthy Injector Co., 346 Holden av, Detroit, Mich.
SILICO wall finish—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
SILK quillers—Benj. Eastwood Co., Paterson, N. J.
SILK toilet paper holders—Shelby Spring Hinge Co., Shelby, Ohio
SILKENAMEL magnet wire—Belden Mfg. Co., 2316 S. Western av, Chicago, Ill.
SILKENITE magnet wire—Acme Wire Co., New Haven, Conn.
SILKUYS KANT-RUST preventives—N. B. Arnold, 1 Sigourney, Brooklyn, N. Y.
SIL-O-CEL iron insulating compound, pipe & boiler covering—Celite Products Co., 11 B'way, New York
SILVEL white metal alloy—Silvel Metal Mfg. Co., 21 E. 40th, New York
SILVER alcohol stoves, coffee mills, egg & cream beaters, potato presses, tumbler holders—Silver & Co., 304 Hewes, Brooklyn, N. Y.
SILVER silo filters, band sawing & hub boring machines & swing saws—No. 256 Silver Mfg. Co., Salem, Ohio
SILVER amalgamated plates—San Francisco Plating Works, 1349 Mission, San Francisco, Cal.
SILVER gray marble—Georgia Marble Co., Tate, Ga.
SILVER KING ratchet wrenches—C. M. B. Wrench Co., Garwood, N. J.
SILVER LAKE chalk & mason's lines—Silver Lake Co., Newtonville, Mass.
SILVER LAKE sash cords—Silverlake Co., Newtonville, Mass.
SIL-VER-OL metal polish—Northwestern Chemical Co., Marietta, Ohio
SILVER PATTERN egg & cream beaters—Standard Egg Co., 26 So. Market, Boston, Mass.
SILVER STRAND lightning rods—Electra Lightning Rod Co., Cresco, Iowa
SILVERLIN cordage & twine—American Mills Co., Atlanta, Ga.
SILVERTIP arc light carbons—National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, Ohio

SILVERTIP FLAME arc light carbons—National Carbon Co., Madison av, N. W. & W. 117th, Cleveland, Ohio
SILVERTOWN single tube pneumatic tires—B. F. Goodrich Co., Akron, Ohio
SILVERZAHN ensilage cutters—Gehl Bros. Mfg. Co., West Bend, Wis.
SIMMEN electric railway signals—Simmen Automatic Railway Signal Co., 1575 Niagara, Buffalo, N. Y.
SIMMONS floor & ceiling plates—John Simmons Co., 110 Centre, New York
SIMMONS pipe bending machines—Frank L. Wells Co., Kenosha, Wis.
SIMMONS-MOORE sand boxes—Dayton Mfg. Co., Dayton, Ohio
SIMONDS files—Simonds Mfg. Co., Fitchburg, Mass.
SIMONDS vacuum valves, steam receiver & separator—Simonds Heating & Specialty Co., Grand Rapids, Mich.
SIMONSON log turners—Challoner Co., Oshkosh, Wis.
SIMPLE boring tools—Allen & Curtis Co., Benton Harbor, Mich.
SIMPLEX annealing, assayers', bullion, case hardening, melting, reducing, refining, reheating, tinning & welding furnaces—Monarch Engng. & Mfg. Co., American Bldg., Baltimore, Md.
SIMPLEX ball bearings—Salisbury Ball Bearing Co., 3741 E. 93d, Cleveland, Ohio
SIMPLEX belt sanding machines—Schimmel, Reid & Co., Faribault, Minn.
SIMPLEX belt shifters, countershafts—Mossberg Wrench Co., 25 Charles, Providence, R. I.
SIMPLEX blue printing machines—Fred'k Post Co., 2021 S. Clark, Chicago, Ill.
SIMPLEX boiler salt detectors—McNab Co., Bridgeport, Conn.
SIMPLEX box straps—DeHaven Mfg. Co., 50 Columbia Hgts., Brooklyn, N. Y.
SIMPLEX car couplers—American Steel Foundries, McCormick bldg, Chicago, Ill.
SIMPLEX cattle stanchions, feed carriers—F. Rassmann Mfg. Co., Beaver Dam, Wis.
SIMPLEX chain hoists—John G. Speidel, Reading, Pa.
SIMPLEX clothes washing machines, ironing machines—American Ironing Machine Co., 166 N. Michigan, Chicago, Ill.
SIMPLEX coal jigs—Wilmot Engineering Co., Hazleton, Pa.
SIMPLEX concrete mixers—Miles Co., Jackson, Mich.
SIMPLEX concrete piles—Simplex Concrete Piling Co., 3400 Disston, Phila., Pa.
SIMPLEX cork preparing outfits—U. S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.
SIMPLEX corn planters—American Seeding Machine Co., Springfield, Ohio.
SIMPLEX cultivators—Roderick Lean Mfg. Co., Mansfield, Ohio
SIMPLEX door bells—Bradley & Farnham, Middlefield, Conn.
SIMPLEX door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
SIMPLEX electric cooking apparatus, electric sad irons, etc.—Simplex Electric Heating Co., Cambridge, 39 Mass.
SIMPLEX elect'l instrument igniters—Simplex Magneto Co., 1790 B'way, New York
SIMPLEX electric wiring mouldings—Kirkpatrick Mfg. Co., Glenwood & 3rd, Phila., Pa.
SIMPLEX expansion joints—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
SIMPLEX fire extinguishers—David Kahnweiler's Sons, 260 Front, New York
SIMPLEX flexible couplings—Thomas Flexible Coupling Co., Erie, Pa.
SIMPLEX garden hose reels—Spray Engineering Co., 93 Federal, Boston, Mass.
SIMPLEX gauge glass cutters—Hy. B. Pancoast Co., 950 N. Front, Phila., Pa.
SIMPLEX grass catchers—F. & N. Lawn Mower Co., Richmond, Ind.
SIMPLEX grain weighers—Hart Grain Weigher Co., Peoria, Ill.
SIMPLEX hatch fasteners—Mullholland Hatch Fastener Co., Cleveland, Ohio
SIMPLEX hoisters—Motor Specialties Co., Waltham, Mass.
SIMPLEX household ironing machines—Domestic Laundry Equipment Corp., 224 W 26th, New York
SIMPLEX injectors—Nathan Mfg. Co., 416 E. 106th, New York
SIMPLEX jacks—Templeton, Kenly & Co., Ltd., 1020 S. Central av, Chicago, Ill.
SIMPLEX lamp burners—Edw. Miller & Co., Meriden, Conn.



SIMPLEX milk pasteurizers & coolers, holders, separators & churns, vats—D. H. Burrell & Co., Little Falls, N. Y.
SIMPLEX ore concentrators—Colorado Iron Works Co., Denver, Colo.
SIMPLEX paper clips—Noesting Pin Ticket Co., Inc., Mt. Vernon, N. Y.
SIMPLEX pipe clamps—Yarnall-Waring Co., 1001 Harrison blvd, Phila., Pa.
SIMPLEX pliers & nippers—Crescent Tool Co., 200 Harrison, Jamestown, N. Y.
SIMPLEX plumbers' tanks—Columbus Brass Co., Columbus, Ohio
SIMPLEX pump governors—Godfrey-Keeler Co., 70 Warren, New York
SIMPLEX rate controllers, tube meters—Simplex Valve & Meter Co., 110 N. Broad, Phila., Pa.
SIMPLEX riveting machines—F. H. Smith Mfg. Co., 3047 Carroll av, Chicago, Ill.
SIMPLEX rivetless chains—Cross Engng. Co., Carbondale, Pa.
SIMPLEX roofing nails—H. B. Sherman Mfg. Co., Battle Creek, Mich.
SIMPLEX rubber tire building cores—Williams Foundry & Mach. Co., Akron, Ohio
SIMPLEX seatless valves—Yarnall-Waring Co., 1001 Harrison blvd, Phila., Pa.
SIMPLEX skylight guards—Zeiller & Nagel, 233 Java, Brooklyn, N. Y.
SIMPLEX shears—Quinn Wire & Iron Works, Boone, Ia.
SIMPLEX spray nozzle—Deming Co., Salem, Ohio.
SIMPLEX spray nozzles—Uehling Instrument Co., 71 Broadway, New York
SIMPLEX spray pumps—Brandt Mfg. Co., 310 3d, Minneapolis, Minn.
SIMPLEX steam gauges—Sterling Dental Mfg. Co., 120 Boylston, Boston, Mass.
SIMPLEX steam pumps—Dubois Iron Works, Dubois, Pa.
SIMPLEX steam superheaters—Badenhauser Co., Rialto bldg, San Francisco, Cal.
SIMPLEX sugar evaporators—Blair, Campbell & McLean, Inc., Colonial Trust bldg, Phila., Pa.
SIMPLEX stop & waste cocks—Landers, Frary & Clark, New Britain, Conn.
SIMPLEX time recorders—Simplex Time Recorder Co., Gardner, Mass.
SIMPLEX traction engines—Simplex Tractor Co., Minneapolis, Minn.
SIMPLEX transom lifts—Payson Mfg. Co., 2918 W. Jackson blvd, Chicago, Ill.
SIMPLEX trolley bases—Trolley Supply Co., Canton, Ohio
SIMPLEX twine holders—New York Roll Wrapping Paper Co., 84 Beekman, New York
SIMPLEX vacuum cleaners—Ramey Co., Chillicothe, Ohio
SIMPLEX ventilating sash locks—Climax Lock & Ventilator Co., 656 Michigan av, Buffalo, N. Y.
SIMPLEX watchman's clocks—W. H. Bundy Recording Co., 135 5th av, New York
SIMPLEX-RUSSEL graders—Russell Grader Mfg. Co., 2005 University av, S. E., Minneapolis, Minn.
SIMPLEX VENTURI water meters—Simplex Valve & Meter Co., 110 N. Broad, Phila., Pa.
SIMPLICITY concrete mixers, corn & cob mills—Turner Mfg. Co., Port Washington, Wis.
SIMPLICITY door springs—Boehck Lueck Co., Milwaukee, Wis.
SIMPLICITY gasoline lamps—Herman Merkel, 511 Elm, St. Louis, Mo.
SIMPLICITY incubators—Indianapolis Corrugating Co., Indianapolis, Ind.
SIMPLICITY spray hoods—Chas. P. McClellan, Fall River, Mass.
SIMPLICITY stage dimming rheostats—Cutler-Hammer Mfg. Co., Milwaukee, Wis.
SIMPSON concrete porch molds—Simpson Cement Mold Co., Maple & West, Columbus, Ohio
SIMPSON sand mixing machines—National Engn'g. Co., 549 W. Washington blvd, Chicago, Ill.
SIMPSON vises—Athol Machine Co., Athol, Mass.
SIM-PULL belt shifters, countershafts—Mossberg Wrench Co., 25 Charles, Providence, R. I.
SIMS heat generators, oil filters, water heaters—Sims Co., 18 & Whitley av., Erie, Pa.
SIMS safety water columns—Leopold Steigert, Logan & Elder, Cincinnati, Ohio
SIN cast iron griddles—Advance Mfg. Co., Racine Junction, Wis.
SINGLE STROKE piston ring grinders—O. S. Walker Co., Worcester, Mass.
SINGLE TAPE safety fuse—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
SINGLE'S speed limit engine stops—Springer & Hargitt, Hamilton, Ohio

SIOUX gasoline engines—Sioux City Engine & Machinery Co., Sioux City, Ia.
SIR WM. THOMPSONS sounding machines—Jno. Hand & Sons Co., 208 Chestnut, Phila., Pa.
SIRIUS bronze powder & bronzing liquid—U. S. Bronze Powder Wks., Inc., 220 W. 42nd, New York
SIROCCO blowers, fans, ventilators—American Blower Co., 1400 Russell, Detroit, Mich.
SISCO drill & tool steel—Federal Tool & Alloy Steel Corp, 233 Broadway, New York
SISSON cast iron soil pipe & fittings—R. Estabrook's Sons, 201 1st, Boston, Mass.
SITES poultry coops—Defiance Box Co., Defiance, Ohio
600 K cylinder oils—Wadham's Oil Co., 359 Clinton, Milwaukee, Wis.
6-5-4 stove pipe enamel—Crosley & Co., Ford bldg, Detroit, Mich.
SIX-IN-ONE kitchen sets—Kohler Die & Specialty Co., De Kalb, Ill.
SIX LEVER padlocks—Sargent & Co., New Haven, Conn.
SIX LEVERS padlocks—Slaymaker Lock Co., Lancaster, Pa.
SIX MULE team gasoline engines—Associated Mfrs. Co., Waterloo, Ia.
SIXTY-ONE varnish—Pratt & Lambert, 185 Madison av, New York
SIZOL size—Seydel Mfg. Co., 88 Forrest, Jersey City, N. J.
SKABOO garden cultivators, wheel garden hoes—Ohio Cultivator Co., Bellevue, Ohio
SKANDIA fuel oil marine engines—H. S. Johannsen, 50 Church, New York
SKANDIA gas, gasoline & oil engines—Skandia Pacific Oil Engine Co., Oakland, Cal.
SKAT hand soap—Skat Co., Hartford, Conn.
SKEDOODLE electric sign flashers, self flushing socket plugs—Phelps Mfg. Co., 49 W Larned, Detroit, Mich.
SKELTON electric bells—Stanley & Patterson, 23 Murray, New York
SKENE boat chocks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
SKIDOO polish—Mutual Auto Accessories Co. of America, 1777 B'way, New York
SKIHI gaskets & packing—Quaker City Rubber Co., 629 Market, Phila., Pa.
SKIMER dairy apparatus—Vermont Farm Machine Co., Bellows Falls, Vt.
SKIN COTE piano varnishes—Glidden Co., Madison av & Berea rd, Cleveland, Ohio
SKINNER chucks, drilling machine vises—Skinner Chuck Co., New Britain, Conn.
SKINNER motor valve reseating machines—Jas. McCrea & Co., 562 N. Washington, Chicago, Ill.
SKINNER tire air pumps—Mayo-Skinner, 54 E. 18th, Chicago, Ill.
SKINNER valve re-seating machines & tools, & bibb seat dressers—M. B. Skinner & Co., 562 W. Washington, Chicago, Ill.
SKINNER PIPE JOINT clamp—M. B. Skinner Co., 562 W. Washington, Chicago, Ill.
SKINNER'S gauge glass cutters—Skinner & Connolly, Yonkers, N. Y.
SKOOKUM apple butter & jam—Puyallup & Sumner Fruit Growers Canning Co., Puyallup, Wash.
SKOOKUM packing—Pioneer Rubber Mills, 68 Sacramento, San Francisco, Cal.
SKOOTS children's vehicles—B. & B. Mfg. Co., Racine, Wis.
SKY-ROCKET lightning arresters—Chance Mfg. Co., Centralia, Mo.
SLACK LINE excavators—Cable Excavator Co., Phila., Pa.
SLASHER cotton mops—Estes Mills, Fall River, Mass.
SLATINGTON BEST iron bar—Slatington Iron & Steel Co., Slatington, Pa.
SLATINGTON NORWAY iron bar—Slatington Iron & Steel Co., Slatington, Pa.
SLATINGTON STAYBOLT iron bar—Slatington Iron & Steel Co., Slatington, Pa.
SLAYMAKER padlocks, locks—Slaymaker Lock Co., Lancaster, Pa.
SLAYMAN folding presses—Slayman & Co., 801 E. Pratt, Baltimore, Md.
SLECT-O-PHONE interior telephones—Screw Machine Products Co., 1012 Eddy, Providence, R. I.
SLICK cultivators—Hayes Pump & Planter Co., Galva, Ill.
SLICK cutter serrated bread knives—National Mfg. Co., Steel Supply Co., 781 Summit, Newark, N. J.
SLICK steel tires—Cambria Steel Co., Widener bldg., Phila., Pa.

SLIDEASY extension clothing carriers—Knape & Vogt Mfg. Co., Grand Rapids, Mich.
SLIDEWELL furniture shoes—Turner & Stanton Co., Norwich, Conn.
SLIGO pig iron—Sligo Furnace Co., Syndicate Trust bldg, St. Louis, Mo.
SLIKUP metal polish, carriage top dressing—N. B. Arnold, 1 Sigourney, Brooklyn, N. Y.
SLIKUP KOTE carriage top dressing—N. B. Arnold, 1 Sigourney, Bklyn, N. Y.
SLIPPERY SLIM toys—American Flyer Mfg. Co., 2219 S. Halsted, Chicago, Ill.
SLOAN flushing valves—Sloan Valve Co., 625 W. Jackson blvd, Chicago, Ill.
SLOAN gas ovens, electric toasters, water coolers—Sloan Novelty Mfg. Co., Kansas City, Mo.
SLOAN'S SUPERIOR pumping engines—Sam'l. Sloan & Co., Rochester, N. Y.
SLOSS blast furnaces—Sloss Sheffield Steel & Iron Co., Birmingham, Ala.
SLOSS SHEFFIELD pig iron—Wm. J. Breen Co., 84 State, Boston, Mass.
SLY water cinder mills & core baking ovens—W. W. Sly Mfg. Co., 4700 Train av, Cleveland, Ohio
SMALLEY gas engines—Smalley Mfg. Co., Manitowoc, Wis.
SMALLWOOD heat treating furnaces—Industrial Furnace Corp., 10 Post Office sq, Boston, Mass.
SMASHER clod crushers—Rock Island Plow Co., Rock Island, Ill.
SMEARLESS carbon paper—Vacuo-Static Carbon Co., Rochester, N. Y.
SMIRCHLESS carbon paper—H. M. Storms Co., 11 Vandewater, New York
SMITH bin gates, tubular boilers, grey iron castings, concrete, fertilizer, glass batch mortar, plaster & hand mixers; concrete elevators, gasoline, kerosene & steam engines; excavators & loaders; fertilizer & glass house mchy., centrifugal, diaphragm & force pumps—T. L. Smith Co., 1151 32nd, Milwaukee, Wis.
SMITH box car loaders—Link-Belt Co., 329 W. 39th, Chicago, Ill.
SMITH car doors & fittings—James Car Door Co., Monadnock blk, Chicago, Ill.
SMITH combination vises—Oswego Tool Co., Oswego, N. Y.
SMITH corn planters, feed & straw cutters, peanut separators—Cardwell Machine Co., 1900 E. Cary, Richmond, Va.
SMITH cylinder drainers—American Safety Lamp & Mine Supply Co., Scranton, Pa.
SMITH electric bells—Service Electric Co., 323 Sheldon, Chicago, Ill.
SMITH elevator door hangers, improved stall floors—F. P. Smith Wire & Iron Works, 2340-48 Clybourn av., Chicago, Ill.
SMITH farm wagons—Smith Mfg. Co., La Crosse, Wis.
SMITH feed cutters—Glasesck Stove & Mfg. Co., Greensboro, N. C.
SMITH feed & straw cutters—S. R. White's Sons, Norfolk, Va.
SMITH fly swatters—Atlas Mfg. Co., New Haven, Conn.
SMITH friction clutches—Hill Clutch Co., 1000 W. 58th, Cleveland, Ohio.
SMITH gas valves, etc.—Smith Engng. Co., Dayton, Ohio
SMITH gas & water main tapping machines—A. P. Smith Mfg. Co., East Orange, N. J.
SMITH hatters valves—McNab & Harlan Mfg. Co., 55 John, New York
SMITH hoes—Jno. C. Smith Hoe & Tool Co., Evansville, Ind.
SMITH combination pipe vises & steam & hot water heaters—H. B. Smith Co., Westfield, Mass.
SMITH hydraulic turbines & turbine water wheels—S. Morgan Smith Co., York, Pa.
SMITH pipe threading dies—S. W. Card Mfg. Co., Mansfield, Mass.
SMITH screen plates—Rice-Barton & Fales Machine & Iron Co., Worcester, Mass.
SMITH shot guns—Hunter Arms Co., Fulton, N. Y.
SMITH steam traps—Robt. C. Johnston & Co., 620 Lodge, Cincinnati, Ohio
SMITH tie renewers—P. & M. Co., 80 E. Jackson blvd., Chicago, Ill.
SMITH turbine water wheels—S. Morgan Smith Co., York, Pa.
SMITH-CHICAGO concrete mixers, high drum paving mixers, fertilizer mixers, low charge mixers, and mixerettes—The T. L. Smith Co., 1151 32d, Milwaukee, Wis.
SMITH FORM-A-TRUCK truck units—Smith Form-A-Truck Co., 2015 S. Michigan, Chicago, Ill.

SMITH'S countersinks—M. W. Robinson Co., 296 B'way, New York
SMITH'S pipe vise stands—Strand Heater & Mfg. Co., 7804 Wade Park, Cleveland, Ohio
SMITH'S hoes—Union Fork & Hoe Co., Columbus, Ohio
SMITH'S IDEAL pruning shears—Smith, Seymour & Son, Oakville, Conn.
SMITH'S sash locks, sash pulleys, metal window hardware—Frank F. Smith Hardware Co., 81 Clay, Newark, N. J.
SMITH'S twister stop motions—Draper Corp., Hopedale, Mass.
SMITH'S NEVER ESCAPE rat traps—Detroit Wire & Iron Works, 1160 E. Jefferson, Detroit, Mich.
SMITH'S HOT BLAST water radiators—H. B. Smith Co., Westfield, Mass.
SMITHICKS belt fasteners—F. P. Smith & Co., Sharon Hill, Pa.
SMITH-VAILE steam pumps & pumping engines—Platt Iron Works Co., Dayton, Ohio
SMOKELESS WONDER steam heaters—Ideal Mfg. & Supply Co., Oskaloosa, Ia.
SMOKY CITY packing—American Steam Packing Co., 165 High, Boston, Mass.
SMOOTH PIPE wrenches—Warnock Mfg. Co., 54 Commercial, Worcester, Mass.
SMOOTH OH steel tubing—Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y.
SMOOTH-ON pipe joint cements—Smooth-On Mfg. Co., 572 Communipaw av, Jersey City, N. J.
SMYRNA front brick—Auburn Shale Brick Co., Auburn, Pa.
SNAP belt fasteners—Snap Detachable Belt Fastener Co., 1281 Murray, Newark, N. J.
SNAP extension curtain rods—Blake Signal & Mfg. Co., 251 Causeway, Boston, Mass.
SNAP molders flasks—Hill & Griffith Co., 1248 State av, Cincinnati, O.
SNAP screw pitch gauges—Wood & Spencer Co., 1930 E. 61st, Cleveland, Ohio
SNAP-CATCH porcelain sockets & receptacles—General Electric Co., Schenectady, N. Y.
SNAP OVER wire test connectors—Fahnestock Electric Co., Meadow, L. I. City, N. Y.
SNEAD metallic standard & bracket library book stacks—Snead & Co., Jersey City, N. J.
SNECKER gas engines—Stamford Motor Co., Stamford, Conn.
SNELL auger bits, boring machines—Snell Mfg. Co., Fiskdale, Mass.
SNOW water wheel governors—Cohoes Iron Fndy. & Mach. Co., Cohoes, N. Y.
SNOW-BALL ice cream freezers—Richmond Cedar Works, Fulton, Richmond, Va.
SNOWDRIFT hydrated lime—Dittlinger Lime Co., New Braunfels, Texas
SNOW E. WHITE clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
SNOW FLAKE calcined plaster—J. B. King & Co., 17 State, New York
SNOW FLAKE library paste—L. H. Thomas Co., W. Congress & S. Peoria, Chicago, Ill.
SNOW FLAKE lime—Rochester Lime Co., Rochester, N. Y.
SNOW FLAKE lubricating oils & greases—Snow Flake Axle Grease Co., Fitchburg, Mass.
SNOW FLAKE plumbers' & mining candles—Standard Oil Co. of N. Y., 555 W. 25th, New York
"SNOW FLAKE" polishing compound—General Platers Supply Co., 489-493 Broome, New York
SNOW FLAKE soldering salts, grasselli—Chemical Co., Guardian bldg., Cleveland, Ohio
SNOW-MOORE water cranes—T. W. Snow Construction Co., 117 N. Dearborn, Chicago, Ill.
SNOW WHITE artificial stone laundry tubs—Chicago Granitine Mfg. Co., 3619 Wall, Chicago, Ill.
SNOW WHITE marking fluids—J. W. Johnston, New Arts bldg, Rochester, N. Y.
SNOW-WHITE phosphate—Iliff-Bruff Chemical Co., Hoopeston, Ill.
SNOW WHITE gypsum paper fillers—U. S. Gypsum Co., 205 W. Monroe, Chicago, Ill.
SNOW-WHITE pyralin seats—C. F. Church Mfg. Co., Holyoke, Mass.
SNUG seats—W. B. McLean Mfg. Co., 729 Herron av, Pittsburgh, Pa.
SNYDER'S hot air registers—Hess-Snyder Co., Massillon, Ohio
SOAPOSO soap—Standard Chemical & Supply Co., 172 2nd, East Cambridge, Mass.
SOAPOLIN liquid soap—Sanitary Products Corp., 1003 Race, Phila., Pa.
SOAPUN liquid soap dispensers—Chas. Morrill, 100 Lafayette, New York



SO-BOS-SO KILFLY insect sprayers—H. E. Allen Mfg. Co., Inc., Carthage, N. Y.
SO EASY sad irons—Phelps Mfg. Co., 49 W Larned, Detroit, Mich.
SO-EZY lawn swings—Williams Mfg. Co., Macon, Ga.
SO HANDY pocket knife tool kits—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
SOFERALCO electrolytic ferro silicon—Southern Ferro Alloys Co., Chattanooga, Tenn.
SOFT SPOTS heel cushions—Essex Rubber Co., Trenton, N. J.
SOHM clocks, time recorders, time stamps—Sohm Electric Signal & Record Co., 841 Blue Island av, Chicago, Ill.
SOHO self-hardening steel—Hobson-Houghton & Co., 83 Beekman, New York
SOIL FEEDER fertilizer distributors—Leavitt Mfg. Co., Urbana, Ill.
SO-KLEAN carbon paper, typewriter ribbons—Downes & Co., 63 Wall, New York
SOLANO steam engines—Howard & Morse, 45 Fulton, New York
SOLAR belt dressing—Barnum Bros. Co., Troy, N. Y.
SOLAR gas & oil lamps, automobile headlights, acetylene searchlights—C. M. Hall Lamp Co., Hancock & Rivard, Detroit, Mich.
SOLAR kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
SOLAR oil—Texas Company, 17 Battery pl, New York
SOLAR GROUND stoves—Sanitary Heating Co., 233 37th, Brooklyn, N. Y.
SOLARINE metal polish—Solarine Co., Emerson Bldg., Baltimore, Md.
SOLCUT cutting compounds—E. F. Houghton & Co., 240 W. Somerset, Philadelphia, Pa.
SOLDCO belt preservative—Duntley Co., 295 Fifth av., New York
SOLDERINE salts—Central Stamping Co., 174 Fulton, New York.
SOLDER-IRON plumbers' solder—Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
SOLFRUNT welding outfit gauges—U. S. Gauge Co., 67 Wall, New York
SOLID BACK brushes—Standard Brush Co., New Hartford, Conn.
SOLID HEAD thumb tacks—Noesting Pin Ticket Co., Inc., Mt. Vernon, N. Y.
SOLID STEEL polished hotel ware—Cleveland Stamping & Tool Co., E. 53rd & Hamilton, Cleveland, Ohio
SOLIDHED thumb tacks—Hawkes-Jackson Co., 38 Murray, New York
SOLIS belt dressing—Standard Leather Dressing Co., Trenton, N. J.
SOLITE carbon paper—De Fi Mfg. Co., 150 Nassau, New York
SOL-MIN-OIL lubricating oil & greases—Allen-Murphy Co., 125 W. 46th pl, Chicago, Ill.
SOLSHINE metal polish—Solshine Mfg. Co., 22 custom House, Boston, Mass.
SO-LUMINUM solder aluminum—So-Luminum Mfg. & Engng. Co., 1790 B'way, New York
SOLUS radiators—National Radiator Co., Johnstown, Pa.
SOLVAY granulated calcium chloride road binders—Solvay Process Co., Syracuse, N. Y.
SOLVAY paints, concrete, coating, concrete waterproof coatings & metallurgical coke—Semet-Solvay Co., Syracuse, N. Y.
SOLVOL boiler compounds—Duryea Mfg. Co., Bayonne, N. J.
SOLVONON pulley covering—U. S. Pulley Covering Co., 212 Washington, New York.
SOMERSET copper washers—Metallo Gasket Co., New Brunswick, N. J.
SOMERSET hot water radiators—National Radiator Co., Johnstown, Pa.
SONDERGLASS gauge glasses—A. W. Chesterton Co., 64 India, Boston, Mass.
SONNECOTE roofing—L. Sonneborn Sons, 262 Pearl, New York.
SONOGRAPH projection apparatus—L. E. Knott Apparatus Co., 79 Amherst, Cambridge, Mass.
SONOSCOPE trouble finders—American Electric Co., 6401 S. State, Chicago, Ill.
SOOTLESS spark plugs—Oakes & Dow Co., 311 Atlantic av, Boston, Mass.
SORGE exhaust heads, steam traps—A. Sorge, Jr., & Co., Monadnock blk, Chicago, Ill.
SOTTER'S steam heaters—Sotter Bros., Pottstown, Pa.
SO. AFRICAN CREEDMORE scythe snaths—Seymour Mfg. Co., Seymour, Ind.
SOUTH ALLEN jelly exaporators—Hydraulic Press Mfg. Co., Mt. Gilead, Ohio
SOUTH AMERICAN horse hair—Geo. Willcomb Co., 60 Chairdon, Boston, Mass.

SOUTH BEND alfalfa cultivators, potato diggers—South Bend Chilled Plow Co., South Bend, Ind
SOUTH BEND coaster wagons—South Bend Toy Mfg. Co., South Bend, Ind.
SOUTH BEND fabric rubber tires & tubing—International India Rubber Corp., South Bend, Ind.
SOUTHBURY plows—Wm. & Hy. Bronson, Roxbury, Conn.
SOUTHDOWN packing—Crandall Packing Co., Palmyra, N. Y.
SOUTHERN crescent anvils, sad irons—Southern Skein & Foundry Co., Chattanooga, Tenn.
SOUTHERN grain drills, rice planting drills—Wm. Fetzer Co., Springfield, Ill.
SOUTHERN road scrapers—Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
SOUTHERN saws—Southern Saw & Works, East Point, Ga.
SOUTHERN BEAUTY enameled iron bath tubs, sinks & trays, lavatories & fittings, drinking fountains—Cahill Iron Works, Chattanooga, Tenn.
SOUTHERN GIRL—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
SOUTHERN HOME paint—F. J. Cooledge & Sons, Atlanta, Ga.
SOUTHERN QUEEN garden cultivators—Ohio Cultivator Co., Bellevue, Ohio
SOUTHERN QUEEN stoves & ranges—Mountain City Stove & Mfg. Co., Chattanooga, Tenn.
SOUTHERN STATES cement—Southern States Portland Cement Co., Rockmart, Ga.
SOUTHER'S metallic shingles—E. E. Souther Iron Co., Kienlen & Hamburger, St. Louis, Mo.
SOUTHLAND cultivators—Kingman Plow Co., Peoria, Ill.
SOUTHLAND meter boxes—H. W. Clark Co., Mattoon, Ill.
SOUTHWARK-HARRIS air compressors — Southwark Foundry & Machine Co., Philadelphia, Pa.
SOUTHWARK-RATEAU steam turbines—Southwark Foundry & Machine Co., 430 Washington av, Philadelphia, Pa.
SOUTHWICK row-locks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
SOUTHWORTH paper punching & turret screw machinery—Southworth Machine Co., Portland, Me.
SOUTHWORTH paper testers—Illinois Iron & Bolt Co., Carpentersville, Ill.
SOVEREIGN acid proof belting mfrs., gum & fibrous gaskets, packing mfrs. & sheet packing—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
SOVEREIGN attrition mills—Barnard & Leas Mfg. Co., Moline, Ill.
SOVEREIGN bath tubs—Kohler Co., Sheboygan, Wis
SOVEREIGN hot water radiators—H. B. Smith Co., Westfield, Mass.
SOVRAN brass pins—Oakville Co., Waterbury, Conn.
SPALDING carriage springs—E. B. Adams & Son, Racine, Wis.
SPALDING plows—Spalding Tilling Machine Co., Cleveland, Ohio
SPALDING potato planters—Hirsch Bros., 267 Reed, Milwaukee, Wis.
SPANGLER fire extinguishers—Spangler Mfg. Co., York, Pa.
SPARE'S manganese bronze alloys, rods & sheets—American Manganese Bronze Co., 3501 Rhawn, Philadelphia, Pa.
SPARK coil files—Nicholson File Co., Providence, R. I.
SPARKLESS woven wire brushes—Barkelew Electric Mfg. Co., Middletown, Ohio
SPARKS vacuum heating systems—McAlear Mfg. Co., 1901 S. Western av, Chicago, Ill.
SPARROW metal polish, disinfectants—American Oil & Disinfectant Co., 196 Water, New York
SPARSAM packing—Kern Commercial Co., 114 Liberty, New York
SPARTA binder covers—Sparta Plow Works, Sparta, Ill.
SPARTAN belting—Graton & Knight Mfg. Co., Worcester, Mass.
SPARTAN kitchen enameled ware—Crunden-Martin Mfg. Co., 2nd & Gratiot, St. Louis, Mo.
SPARTAN lubricators—Wm. Powell Co., Cincinnati, Ohio.
SPARTAN chain pipe wrenches—Drop Forging Co., of New York, 301 West Side av, Jersey City, N. J.
SPARTAN wood stains—Marietta Paint & Color Co., Marietta, Ohio
SPAR-TITE varnish—Adams & Elting Co., 726 Washington, Chicago, Ill.
SPARTON electric automobile horns—Sparks Withington Co., Jackson, Mich.
SPAULDING chains—Spaulding Chain Corp., Bloomfield, N. J.
SPAULDING'S FETHER-LYTE shoe-trees—Kennebunk Mfg. Co., Milton, N. H.
SPEAKMAN compression cocks, laboratory valves, bath wastes—Speakman Supply & Pipe Co., Wilmington, Del.
SPEARE'S metal polish—Alden Speare's Sons Co., Cambridge, Mass.
SPEAR HEAD harrows—Wm. Fetzer Co., Springfield, Ill.
SPECIAL anvils—Fisher & Norris, Trenton, N. J.
SPECIAL carbon paper—J. A. Heale & Co., 96 John, New York.
SPECIAL carbon paper—Miller-Bryant-Pierce Co., Aurora, Ill.
SPECIAL feed cutters—D. F. Tanner, Holland, N. Y.
SPECIAL high speed steel—Columbia Tool Steel Co., 552 W. Lake, Chicago Heights, Ill.
SPECIAL padlocks—Slaymaker Lock Co., Lancaster, Pa.
SPECIAL power presses—A. H. Niles Machine Co., Bridgeport, Conn.
SPECIAL staybolt iron—Carter Iron Co., Pittsburgh, Pa.
SPECIAL CHROME BEARING chrome steel for ball races—Hammond Steel Co., Inc., Syracuse, N. Y.
SPECIAL ELEVATOR rubber belting—N. Y. Rubber Co., Reade & Church, New York
SPECIAL tool steel, the best grade of straight carbon steel—Holcomb Steel Co., Syracuse, N. Y.
SPECIAL EXCELSIOR belting—Boston Belting Corp., 84 Linden Park, Boston, Mass.
SPECIAL RED automobile inner tubes—National Rubber Co., Pottstown, Pa.
SPECIAL TANNED leather belting—W. S. Nott Co., 2nd av. n. & 3rd, Minneapolis, Minn.
SPE-DE-SHYNE metal polish—Cleanola Co., Fulton bldg, Pittsburgh, Pa.
SPEDOLENE lubricating oils & greases—Continental Asbestos Corp., 7 Summer, Worcester, Mass.
SPEEDO cutting compounds—Damascus Mfg. Co., Cassius av, Cleveland, O.
SPEEDSTER countersinks—U. S. High Speed & Tool Corp., 489 5th av, New York
SPEEDWAY gasoline engines—Gas Engine & Power Co., & Charles L. Seabury, Morris Heights, N. Y.
SPEEDWAY REDWALL rubber tires—National Rubber Co., Pottstown, Pa.
SPEEDY clothes washing machines—H. F. Brammer Mfg. Co., Davenport, Ia.
SPEEDY force & lift pumps—Wm. Powell Co., Cincinnati, Ohio
SPEEDY STITCHER harness awls—Stewart-Skinner Co., Worcester, Mass.
SPEIDEL hoists—John G. Speidel, Reading, Pa.
SPENCE steam & hot water heaters—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162nd, New York
SPENCER boiler flue & tube cleaners—Wm. Mulholland, 79 White, New York
SPENCER organ blowers, organ motors—Spencer Turbine Co., Hartford, Conn.
SPENCER pattern damper regulators—Jno. Acton, 118 John, Brooklyn, N. Y.
SPENCER pressure regulators, balance valves, pipe vises—Spencer Regulator Co., Salem, Mass.
SPENCER steam headers—Spencer Heater Co., Scranton, Pa.
SPENCER vacuum cleaners — Spencer Turbine Co., Hartford, Conn.
SPENCERIAN respirators—Chicago Eye Shield Co., 2300 Warren av, Chicago, Ill.
SPERMO lubricating oils & greases—Warren Lubricant Co., 22 Maurice, Buffalo, N. Y.
SPER O ball valves—Fairbanks Co., 416 Broome, New York
SPERRY farm boilers, vacuum pans—D. R. Sperry & Co., Batavia, Ill.
SPERRY PERFECTION cast iron culverts—Brillon Iron Works, Brillion, Wis.
SPERRY PERFECTION cast iron culverts—N. H. Colby, Granville, Ill.
SPERRY PERFECTION cast iron culverts—Munnsville Plow Co., Munnsville, N. Y.
SPERRY PERFECTION cast iron culverts—H. Wetter Mfg. Co., Memphis, Tenn.
SPHERO blow-off valves—Fairbanks Co., 416 Broome, New York
SPHINX belting — Rossendale-Reddaway Belting & Hose Co., Newark, N. J.
SPHINX metal polish—R. A. Cromwell Mfg. Co., 303 E. 29th, New York
SPIC & SPAN metal polish—B. T. Babbit (Inc.), 15 W. 34th, New York
SPICA oil—Texas Company, 17 Battery pl., New York
SPICER universal joints—Spicer Mfg. Co., So. Plainfield, N. J.
SPIDER lawn mowers — S. P. Townsend & Co., Orange, N. J.

SPIDER packing—New York Belting & Packing Co., 91 Chambers, New York
SPINAWAY detachable motors—Spinaway Boat Motor Co., Freeport, Ill.
SPINKS cue tips & billiard cloth—Spinks, Wm. A., Co., 362 W. Erie, Chicago, Ill.
SPIRAL coal separators—Anthracite Separator Co., Hazleton, Pa.
SPIRAL coil door springs—Bommer Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
SPIRIT lacquer—M. L. Barrett & Co., 233 W. Lake, Chicago, Ill.
SPIRIT levels—S. R. Jackson, Watertown, N. Y.
SPIRO compression couplings—Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa.
SPIROJECTOR ejector condensers—Worthington Pump & Machy. Corp., 115 B'way, New York
SPIT FIRE spark plugs—A. R. Mosler & Co., Mt. Vernon, N. Y.
SPITZLI shaft couplers—Fernald Mfg. Co., North End, Pa.
SPLIT HANDLE post pole diggers—Iwan Bros., South Bend, Ind.
SPLITPROOF closet seats—Sherwood Brass Wks., Detroit, Mich.
SPOKANE ice & refrigerating machines—Armstrong Machinery Co., Spokane, Wash.
SPOKANE incubators & brooders—Spokane Incubator Co., Spokane, Wash.
SPOOL O WIRE stapling machs.—Hutchison Office Spec. Co., 501 5th av., New York
SPORTING RIFLE POWDER NO. 80—du Pont de Nemours & Co., E. I., Wilmington, Del.
SPORTMAN'S hunting knives—Marble Arms & Mfg. Co., Gladstone, Mich.
SPOTLESS brushes—Alpha Brush Co., Troy, N. Y.
SPRACO spray nozzles & irrigation nozzles—Spray Engn. Co., 93 Federal, Boston, Mass.
SPRAGUE can openers—Browne & Dowd Mfg. Co., Meriden, Conn.
SPRAGUE can openers—Fletcher, Terry Co., Forestville, Conn.
SPRAGUE cheese presses—D. H. Burrell & Co., Little Falls, N. Y.
SPRAGUE hot air furnaces—Sprague Foundry & Mfg. Co., Council Bluffs, Ia.
"SPRAMIST" spray nozzle—Deming Co., Salem, O.
SPRA-RITE nozzles—Star Brass Wks., 3114 Carroll av, Chicago, Ill.
SPREADTITE box strapping—Stanley Works, New Britain, Conn.
SPREDLITE lenses—Corning Glass Works, Corning, N. Y.
SPRING CLIP battery connectors—National Carbon Co., Madison av. N. W. & W. 117th, Cleveland, Ohio
SPRINGER ironing boards—Oregon Woodenware Mfg. Co., Portland, Ore.
SPRINGER mine pumps—National Foundry & Machine Co., Louisville, Ky.
SPRINGFIELD automobile jacks, tire air pumps, tire remover tools—Shawver Co., Springfield, Ohio
SPRINGFIELD core compound — Springfield Facing Co., Springfield, Mass.
SPRINGFIELD corn cribs—Wm. Bayley Co., Springfield, Ohio
SPRINGFIELD grinders—Springfield Mfg. Co., Bridgeport, Conn.
SPRINGFIELD logging wagons — Springfield Wagon Co., Springfield, Mo.
SPRINGFIELD storage battery cell testers—Jno. O. Heinze Co., Springfield, Ohio
SPRINGFIELD toilet paper holders—Morgan Envelope Co., Springfield, Mass.
SPRINGFIELD traps—Joseph H. Young Co., 82 High, Boston, Mass.
SPRINGFIELD SECTIONAL water tube boilers—Springfield Boiler Co., Springfield, Ill.
SPRINGFIELD STANDARD core oils—Springfield Facing Co., Springfield, Mass.
SPRINGFIELD water tube boiler—Springfield Boiler Co., Springfield, Ill.
SPRING HAMMER drilling machines—Star Expansion Bolt Co., 145 Cedar, New York
SPRING LOCK oil & grease cups—Penberthy Injector Co., 346 Holden av, Detroit, Mich.
SPRING RAIL clamp frogs—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
SPRING STEP rubber heels—Revere Rubber Co., Chelsea, Mass.
SPRING TUMBLER padlocks—Slaymaker Lock Co., Lancaster, Pa.
SPRING WHITE marble—Georgia Marble Co., Tate, Ga.
SPROCKET padlocks—Slaymaker Lock Co., Lancaster, Pa.



SPRUCE tanning extracts—Robeson Process Co., 18 E. 41st, New York
SPRY coal drills—Howell's Mining Drill Co., Plymouth, Pa.
SPRY WHEEL cultivators—H. C. Dodge, Inc., 48 Alger, Boston, Mass.
SQUADRON packing mfrs. & sheet packing—Dominion Asbestos & Rubber Corp., 154 Nassau, New York
SQUANTUM reclaimed rubber—Monatiquot Rubber Works Co., S. Braintree, Mass.
SQUARE DEAL belting—Burr Oak Belting Co., 521 Livingston, Cincinnati, Ohio
SQUARE DEAL closet seats—Olmstead-Thomson Mfg. Co., New Britain, Conn.
SQUARE DEAL wire fences & gates, poultry netting—Keystone Steel & Wire Co., Peoria, Ill.
SQUARE FOUNTAIN lawn sprinklers—L. R. Nelson, Peoria, Ill.
SQUARE TURN tractors—Square Turn Tractor Co., Norfolk, Neb.
SQUAW floor hinges—Allith-Prouty Co., Danville, Ill.
SQUIER-BUFFALO multiple effects evaporators—Geo. L. Squier Mfg. Co., Buffalo, N. Y.
SQUIRES packing—Squires & Byrne Rubber Co., San Francisco, Cal.
SQUIRES pressure reducing valves—C. E. Squires, 3934 Kelly av, Cleveland, O.
SQUIRREL nut crackers & picks—Alex. Woldert Co., Tyler, Tex.
STACKOTE paint—Jones Paint Co., Rome, New York
STACKPOLE battery connectors—Stackpole Carbon Co., St. Marys, Pa.
STACY swivel load or log binders—Stacy Eugene Co., Tiffin, O.
STACY valve & service boxes—Builders' Iron Foundry, 9 Codding, Providence, R. I.
STAG belt fasteners—Columbia Novelty Co., St. Louis, Mo.
STAG coal tar products—Coal Tar Products Co., 570 Smith, Brooklyn, N. Y.
STAGGARD auto radiators—Western Mechanical Wks., 520 W. Pico, Los Angeles, Cal.
STAHL MAGFIXER storage battery charging sets—Stahl Rectifier Co., 1401 W. Jackson blvd., Chicago, Ill.
STAHL'S steel grease cups—Stahl Mfg. Co., Minneapolis, Minn.
STAINES linoleum—Witcombe, McGeachin & Co., 22 W. 37th, New York
STALEY trench tampers—Lourie Mfg. Co., Springfield, Ill.
STALL & DEAN baseball bats, base balls, tennis shoes—Stall & Dean Mfg. Co., Brockton, Mass.
STAMFORD rubber substitutes—Stamford Rubber Supply Co., Stamford, Conn.
STANDARD absorbent cotton—Maplewood Mills, Fall River, Mass.
STANDARD A lithopone—New Jersey Zinc Co., 160 Front, New York
STANDARD artificial leather, wall coverings—L. C. Chase & Co., 89 Franklin, Boston, Mass.
STANDARD asphalt—Wadsworth Stone & Paving Co., Lambert & P. R. R., Pittsburgh, Pa.
STANDARD asphalt fillers—Standard Oil Co., 910 S. Michigan av, Chicago, Ill.
STANDARD asphalt roofing & shingles—McHenry-Millhouse Mfg. Co., South Bend, Ind.
STANDARD attaching plugs & receptacles—General Electric Co., Schenectady, N. Y.
STANDARD automobile tool boxes—Standard Steel Box Co., Bridgeville, Pa.
STANDARD automobile trunk racks — Connecticut Steel & Wire Co., Hartford, Conn.
STANDARD automobile wheel pullers—Standard Auto Accessory Co., Leipsic, Ohio
STANDARD babbitt metal—Atkinson Co., Rochester, N. Y.
STANDARD ball bearing coaster wagons—South Bend Toy Mfg. Co., South Bend, Ind.
STANDARD bar drop handle faucets—Standard Brass & Iron Works, 1820 St. Paul av., Milwaukee, Wis.
STANDARD battery motor fans, battery motors—Davis, Kendrick Co., Lebanon, N. H.
STANDARD belting—Empire Fire & Rubber Corp., East Trenton, N. J.
STANDARD belting—Quaker City Rubber Co., 629 Market, Phila., Pa.
STANDARD blotting paper—Standard Paper Mfg. Co., Hull & Canal, Richmond, Va.
STANDARD bolt cutting machines—Universal Machine Co., Bowling Green, Ohio
STANDARD boring & chucking machines — Bullard Machine Tool Co., Bridgeport, Conn.
STANDARD bridle rings — Diamond Expansion Bolt Co., 89 West, New York

STANDARD buggy aprons—Racine General Mfg. Co., Racine, Wis.
STANDARD butter printing & cutting machines—D. H. Burrell & Co., Little Falls, N. Y.
STANDARD car bells & gongs—Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.
STANDARD car coupler & steel platforms—Standard Coupler Co., 30 Church, New York
STANDARD car jacks, railway track drills—National-Standard Co., Box 211, Niles, Mich.
STANDARD carbon paper—Non-Smut Carbon Mfg. Co., Rochester, N. Y.
STANDARD carpet nails—Milwaukee Tack Co., 27th & Wahl av., Milwaukee, Wis.
STANDARD carriage axles—Lee & Porter, Buchanan, Mich.
STANDARD cement—Standard Portland Cement Co., Charleston, S. Car.
STANDARD cement mfrs.—Standard Portland Cement Corp., Crocker bldg., San Francisco, Cal.
STANDARD churns—Standard Churn Co., Wapakoneta, Ohio
STANDARD cigarette machinery, tobacco stemming machines—American Machine & Foundry Co., 5520 2nd av., Brooklyn, N. Y.
STANDARD circular saw mills—Lyon Iron Works, Greene, N. Y.
STANDARD cold process galvanizing—Galvanizing Corp. of America, Inc., 252 Eagle, Brooklyn, N. Y.
STANDARD concrete finishing tools—Standard Tool & Mfg. Co., Indianapolis, Ind.
STANDARD conduit benders—Thomas & Betts Co., 63 Vesey, New York
STANDARD conduit hangers—Yonkers Specialty Co., Yonkers, N. Y.
STANDARD corn harvesters, potato diggers—Ohio Rake Co., Dayton, Ohio
STANDARD corn huskers & wood tanks—U. S. Wind Engine & Pump Co., Batavia, Ill.
STANDARD corn planters—Sheffield Mfg. Co., Burr Oak, Mich.
STANDARD cotton rope—Anniston Cordage Co., Anniston, Ala.
STANDARD countershafts & emery tool grinders—Diamond Machine Co., Providence, R. I.
STANDARD crayons—Standard Crayon Mfg. Co., Danvers, Mass.
STANDARD cream separators—Blanke Mfg. & Supply Co., 3rd & Wash. av, St. Louis, Mo.
STANDARD door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
STANDARD drop presses—Standard Machinery Co., Providence, R. I.
STANDARD dry batteries—J. H. Bunnell & Co., 32 Park pl., New York
STANDARD electric fuses—Harvard Electric Co., 525 W. Van Buren, Chicago, Ill.
STANDARD envelope sealing machines—Standard Envelope Sealer Mfg. Co., Somerville, Mass.
STANDARD exhaust heads—Burt Mfg. Co., 40 Main, Akron, Ohio
STANDARD farriers' hammers—Champion Tool Co., Meadville, Pa.
STANDARD feed carriers, hay rack clamps—Louden Machinery Co., Fairfield, Ia.
STANDARD feed water heaters—Frost Mfg. Co., Galesburg, Ill.
STANDARD feed water heaters—Patterson Kelley Co., 26 Cortlandt, New York
STANDARD fire alarms, electric, secondary electric, self-winding, synchronized, & tower clocks, & factory signals—Standard Electric Time Co., Springfield, Mass.
STANDARD fire door fittings—Keystone Fire Door Co., 1231 Irwin av, Pittsburgh, Pa.
STANDARD fire extinguishers—M. L. Snyder & Son, 223 Church, Philadelphia, Pa.
STANDARD fire silica brick—Standard Refractories Co., Claysburg, Pa.
STANDARD fish lines—Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
STANDARD flour sieves—Parker Wire Goods Co., Worcester, Mass.
STANDARD flour sieves—Roseland Can & Specialty Co., Rockford, Ill.
STANDARD flush receptacles, flush plugs—Arrow Electric Co., Hartford, Conn.
STANDARD friction clutch pulleys, machine molded gears—Detroit Standard Gear Co., Detroit, Mich.
STANDARD friction clutch pulleys—Erie Clutch & Pulley Co., Erie, Pa.
STANDARD garbage receivers—C. H. Stephenson, Lynn, Mass.
STANDARD garden rakes & post hole augers—Specialty Device Co., 106 W. 3rd, Cincinnati, Ohio
STANDARD gas engines lubricating oils—Standard Oil Co. of Ohio, E. Ohio Gas bldg, Cleveland, Ohio
STANDARD gas radiators—American Stove Co., 827 Chouteau av, St. Louis, Mo.
STANDARD gasoline engines—Lennox Machine Co., Marshalltown, Iowa
STANDARD gate valves—Capitol Brass Works, 596 Franklin, Detroit, Mich.
STANDARD gear cutting machines, slotting machines, floor hinges—Standard Mfg. Co., Shelby, Ohio
STANDARD glass cutters—W. L. Barrett, Bristol, Conn.
STANDARD glue—Standard Glue Co., 350 N. Holliday, Baltimore, Md.
STANDARD granulated raw bone compounds—Rogers & Hubbard Co., Middletown, Conn.
STANDARD gymnastic apparatus, metallic lockers, playground & gymnasium equipment—Narragansett Machine Co., Providence, R. I.
STANDARD hack saw blades—Standard Saw & Tool Mfg. Co., Inc., 10 Damrell, Boston, Mass.
STANDARD hand milling machines—Standard Engineering Works, Pawtucket, R. I.
STANDARD hay rack clamps—F. E. Myers & Bro., Ashland, Ohio
STANDARD hot air furnaces, steel ranges—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
STANDARD hot air furnaces, steam heaters—Giblin & Co., Utica, N. Y.
STANDARD incandescent gas burners—Welsbach Co., 1009 Filbert, Phila., Pa.
STANDARD incandescent renewed lamps—Consolidated Electric Lamp Co., Danvers, Mass.
STANDARD insulating compounds & varnishes—Standard Varnish Works, 90 West, New York
STANDARD iron split pulleys—Dodge Sales & Engng. Co., Mishawaka, Ind.
STANDARD knitting machine needles—Torrington Co., The Excelsior Plant, successor to Excelsior Needle Co., Torrington, Conn.
STANDARD letter trays—Standard Wire Co., New Castle, Pa.
STANDARD lubricators—G. B. Essex Brass Co., 480 Franklin, Detroit, Mich.
STANDARD mail boxes—Forest City Foundry & Mfg. Co., 2202 Elm av, Cleveland, Ohio
STANDARD manual training benches—A. L. Bemis, Worcester, Mass.
STANDARD metal polish—Standard Chemical Co., Houston, Texas.
STANDARD motor fuel saver—Motor Fuel Saver Corp., 50 Church, New York
STANDARD moving picture machines—Bell & Howell Co., 1801 Larchmont av., Chicago, Ill.
STANDARD mower—Emerson-Brantingham Co., Rockford, Ill.
STANDARD natural gas burners—Standard Heating & Radiator Co., Penn & Babcau, Pittsburgh, Pa.
STANDARD oil rig irons—Union Tool Co., Torrance, Cal.
STANDARD oxide of zinc—New Jersey Zinc Co., 160 Front, New York
STANDARD packer cans—United States Can Co., Norwood, Cincinnati, Ohio.
STANDARD padlocks—Slaymaker Lock Co., Lancaster, Pa.
STANDARD pan cleaning & greasing machines—Gottschalk & Co., Reedsville, Pa.
STANDARD paper box machinery—Kingsbury & Davis Machine Co., Contoocook, N. H.
STANDARD paper cups—Wolf Bros., 330 N. 12th, Philadelphia, Pa.
STANDARD perforated wall ties—Hamblin & Russell Mfg. Co., Worcester, Mass.
STANDARD pig iron—Standard Iron Co., Nashville, Tenn.
STANDARD pipe wrenches—Oswego Tool Co., Oswego, N. Y.
STANDARD playing cards—Standard Playing Card Mfg. Co., 345 W. Austin av., Chicago, Ill.
STANDARD pneumatic tires—Standard Tire & Rubber Co., 104 Portland, Boston, Mass.
STANDARD portable lamp guards—McGill Mfg. Co., 26 Oak, Valparaiso, Ind.
STANDARD portable ventilators—Standard Ventilator Co., Lewisburg, Pa.
STANDARD post hole augers, garden rakes—Standard Auger Co., 57 W. 34th, Chicago, Ill.
STANDARD pruning shears—Smith, Seymour & Son, Oakville, Conn.
STANDARD railway track drills—Aldon Co., 3338 W. Ravenswood av, Chicago, Ill.
STANDARD rifles—Standard Arms Mfg. Co., Church & F., Wilmington, Del.
STANDARD road drags—Galion Iron Works & Mfg. Co., Galion, Ohio

STANDARD road oils, wire rope coating & lubricant, gas engines—Standard Oil Co., 26 B'way, New York
STANDARD rock & ore crushers; cinder grinders; cement, coal & stone pulverizers, sand blast machines—Standard Equipment Co., 184 Church, New Haven, Conn.
STANDARD roll shells & solid weldless tires—Standard Steel Works Co., Morris bldg, Philadelphia, Pa.
STANDARD roof snow guards, perforated steel, wall ties—Hamblin & Russell Mfg. Co., Worcester, Mass.
STANDARD roofing—Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
STANDARD rubber cements—St. Louis Rubber Cement Co., 3046 Lambdin av, St. Louis, Mo.
STANDARD rubber gloves—Consumers Rubber Co., 829 Superior av, Cleveland, Ohio
STANDARD rubber mats—Boston Woven Hose & Rubber Co., Cambridge, Mass.
STANDARD rural mail boxes—W. C. Hopson Co., Grand Rapids, Mich.
STANDARD rural mail boxes—Superior Sheet Metal Works Co., 3201 Roosevelt av, Indianapolis, Ind.
STANDARD sand screens—Jeffrey Mfg. Co., Columbus, Ohio
STANDARD sand sifters—Standard Sand & Machine Co., 5150 St. Clair av, Cleveland, Ohio
STANDARD sash chains—Nicholas Zogg, 228 E. 144th, New York
STANDARD saw gauges—Kantslip Co., Freeport, Mich.
STANDARD saw gummers—Ajax Mfg. Co., N. S., Pittsburgh, Pa.
STANDARD screw drivers—W. A. Ives Mfg. Co., Wallingford, Conn.
STANDARD sewer traps, floor drains, stop & waste cocks, water closets—Prier Brass Mfg. Co., Kansas City, Mo.
STANDARD sheet wheels—National Brass Mfg. Co., Rochester, N. Y.
STANDARD soldering flux—Grasselli Chemical Co., Guardian bldg, Cleveland, Ohio
STANDARD speedometers—Standard Thermometer Co., 65 Shirley, Boston, Mass.
STANDARD spiral riveted pipe—Standard Spiral Pipe Works, 48th & Rockwell, Chicago, Ill.
STANDARD spray pumps—Goulds Mfg. Co., 71 W. Fall, Seneca Falls, N. Y.
STANDARD spring tooth harrows—Eureka Mower Co., 16 Hickory, Utica, N. Y.
STANDARD stave jointers—Wheland Co., Chattanooga, Tenn.
STANDARD steam superheaters—United Gas Improvement Co., Broad & Arch, Philadelphia, Pa.
STANDARD steam pipe casings—American District Steam Co., No. Tonawanda, N. Y.
STANDARD steam traps—Kieley & Mueller, 34 W. 13th, New York
STANDARD stove trimmings, stove trucks, cork pullers, mop sticks & holders, nut crackers & picks—Arcade Mfg. Co., Freeport, Ill.
STANDARD stoves—Pittston Stove Co., Pittston, Pa.
STANDARD suction hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
STANDARD sugar cane mills—Southern Plow Co., Columbus, Ga.
STANDARD take-down squares—Southington Hardware Co., Southington, Conn.
STANDARD tank heaters—Hunt, Helm, Ferris & Co., Harvard, Ill.
STANDARD taper reamers—Brown & Sharpe Mfg. Co., Providence, R. I.
STANDARD 30% PARA covered wire—Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
STANDARD time stamps—International Time Recording Co., Endicott, N. Y.
STANDARD tobacco counter cutters—Griswold Mfg. Co., Erie, Pa.
STANDARD toe-calks—Franklin Steel Works, Joliet, Ill.
STANDARD tongue blades—E. B. Estes & Sons, 364 5th av, New York
STANDARD tool steel—Hammond Steel Co., Inc., Syracuse, N. Y.
STANDARD tool steel—Hawridge Bros. Co., 303 Congress, Boston, Mass.
STANDARD trolley harps & bases—R. D. Nuttall Co., McCandless & Harrison av, Pittsburgh, Pa.
STANDARD tube expanders—Gustav Wiedeke & Co., Dayton, Ohio
STANDARD turpentine—Thomas Sealy, 138 Front, New York
STANDARD turret lathes—Bullard Machine Tool Co., Bridgeport, Conn
STANDARD valves—Pittsburgh Valve & Fittings Co., Pittsburgh, Pa.
STANDARD varnishes—Standard Varnish Works, 90 West, New York
STANDARD vises—Athol Machine Co., Athol, Mass.
STANDARD wagon skeins—Illinois Iron & Bolt Co., Carpentersville, Ill.
STANDARD water bottle heaters—Meier Dental Mfg. Co., 3927 Olive, St. Louis, Mo.
STANDARD wood stains—Yarnall Paint Co., 1026 Race, Philadelphia, Pa.
STANDARD yarn conditioning machines—Alfred Suter, 200 5th av, New York
STANDARD-BAECHLE friction clutch pulleys—Standard Pulley Co., 1734 Power, Cincinnati, O.
STANDARD GIANT tack claws & pullers—Browne & Dowd Mfg. Co., Meriden, Conn.
STANDARD WIELAND threading machines—Standard Engng. Co., Elwood City, Pa.
STANDBY dry batteries—National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, Ohio
STANDCO hollow set screws—Standard Pressed Steel Co., 20th & Indiana, Phila.. Pa.
STANDOIL air drill hose—Hewitt Rubber Co., Buffalo, N. Y.
STANHOPE rubber packing—National India Rubber Co., Bristol, R. I.
STANLEY air pumps—Bridgeport Brass Co., Bridgeport, Conn.
STANLEY back band buckles & box strapping, hinges, garage door hardware—Stanley Works, New Britain, Conn.
STANLEY mops—Stanley H. Coffin, 12 Pearl, Boston, Mass
STANLEY rules & mitre boxes—Stanley Rule & Level Co., New Britain, Conn.
STANLEY, JR. hose nozzles—Boston Woven Hose & Rubber Co., Cambridge, Mass.
STANLEY PROCESS babbitt metal—United American Metals Corp. (Syracuse Smelting Works), 192 Diamond, Brookiyn, N. Y.
STANTON hot air furnaces—Stanton Heater Co., Martins Ferry, Ohio
STANVAR floor finish—Standard Varnish Works 2589 Richmond ter, Elm Park, N. Y.
STANWAL insulating tape & rubber heels—Standard Woven Fabric Co., Walpole, Mass.
STANWELD steel tubing—Standard Parts Co., Hickox bldg., Cleveland, O.
STANWELL canvas stitched belting—Fenwick-Reddaway Mfg. Co., Newark, N. J.
STANWOOD safety stair treads—American Mason Safety Tread Co., Lowell, Mass.
STA-ON laundry tags—Merchandise & Laundry Tag Co., 19 Washington, Boston, Mass.
STAONA roofing paints—Wm. T. Baker, 224 Suydam av, Jersey City, N. J.
STAPLE BRAND saddlery hardware, steel & wood hames—Frazer & Jones Co., Syracuse, N. Y.
STAPLE rubber belting—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
STAPLES bee-hive furniture polish—H. F. Staples & Co., Medford, Mass.
STAPLEY tire air pumps—Bridgeport Brass Co., Bridgeport, Conn.
STAR A. H. binder twine—Hooven & Allison Co., Xenia, Ohio
STAR babbitt metal—Lissberger Marks & Son, 281 Borden av, Long Island City, N. Y.
STAR bale buckles—Baling Tie Buckle Co., Waterloo rd, Cleveland, Ohio
STAR ball retainers, bearings—Bearings Co. of America, Lancaster, Pa.
STAR barn door hangers & latches, cattle stanchions, coaster wagons, hay, feed & merchandise carriers, hay slings & pulleys, rope hoists, screen door pulls, windmill regulators, wire stretchers, tank heaters, corn shock compressors, anvil, shoveling boards, hay carrier trucks—Hunt, Helm, Ferris & Co., Harvard, Ill.
STAR basin clamps—Trenton Brass & Machine Co., Trenton, N. J.
STAR basin clamps—Wolverine Brass Works, Grand Rapids, Mich.
STAR bath room fixtures—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
STAR belt dressing—Chesapeake Belting Co., 823 McKim, Baltimore, Md.
STAR belt dressing—Graton & Knight Mfg. Co., Worcester, Mass.
STAR belt fasteners—Hercules Mfg. Co., 2138 W. Van Buren, Chicago, Ill.
STAR BRAND belt lacing—California Tanning Co., 1905 Shenandoah av, St. Louis, Mo.
STAR belt lacing—Columbia Novelty Co., 1431 N. 8th, St. Louis, Mo.

STAR bicycle pedals—Torrington Co., The Standard Plant, Torrington, Conn.
STAR blotting paper—Richmond Paper Co., Richmond, Va.
STAR boiler compounds—Indianapolis Chemical Co., 1444 Madison av, Indianapolis, Ind.
STAR boiler compounds—National Mill Supply Co., Fort Wayne, Ind.
STAR broom holders, rotary flour sieves—Parker Wire Goods Co., Worcester, Mass.
STAR broom holders, self-oiling pulleys—Wrightsville Hardware Co., Wrightsville, Pa.
STAR bucket pumps—Star Bucket Pump Co., 1218 15th, St. Louis, Mo.
STAR butchers' knives—Goodell Co., Antrim, N. H.
STAR calking cotton & sash cords—Estes Mills, Fall River, Mass.
STAR can openers, tack claws & pullers—Browne & Dowd Mfg. Co., Meriden, Conn.
STAR carriage bows, carriage rims, singletrees—Crane & MacMahon, 10 Bridge, New York.
STAR carriage & wagon wheels—P. Lebzelter & Son Co., Lancaster, Pa.
STAR cement—Louisville Cement Co., Louisville, Ky.
STAR chain hoists, rope sheaves—Boston & Lockport Block Co., 100 Condor, E. Boston, Mass.
STAR chisel grinders—Star Specialty Mfg. Co., 227 W. Erie, Chicago, Ill.
STAR churns—J. McDermaid, Rockford, Ill.
STAR clothes line reels—Feeney Mfg. Co., Muncie, Ind.
STAR clothes washing machines—C. E. Ross, Lincoln, Ill.
STAR cobblers' outfits, heel plates, shoe blacking, foot rests, lasts & stands—Louis Sacks, Inc., Wilson av, Newark, N. J.
STAR cocks, car lamps, lubricators, steam engine indicators, pop valves, marine clocks, revolution counters, pantographs, whistles, etc.—Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
STAR conduit benders, lead pipe benders—Hub Electric Co., 1819 Canal av, Chicago, Ill.
STAR copper & bronze sheets, tubes, rods, wire, rivets, nails, tacks, etc.—U. T. Hungerford Brass & Copper Co., 80 Lafayette, New York
STAR copying paper, onion skin paper, silver tissue paper—C. H. Dexter & Sons, Windsor Locks, Conn.
STAR cork board insulation & cork brick—United Cork Cos., 50 Church, New York
STAR corn planters—J. H. Albright & Sons, Mifflinsburg, Pa.
STAR corn poppers—G. S. Ressler & Son, Lansing, Mich.
STAR corn shellers, hog troughs, stock fountains, stove pipe dampers, tailors' sad irons—Loetscher-Ryan Mfg. Co., Dubuque, Ia.
STAR disc harrows—Ohio Cultivators Co., Bellevue, Ohio.
STAR disc harrows—Parlin & Orendorff Co., Canton, Ill.
STAR disc harrows—Wiard Plow Co., Batavia, N. Y.
STAR engine lathes—Seneca Falls Mfg. Co., Seneca Falls, N. Y.
STAR expansion bolts, anchor bolts, toggle bolts, bridle rings, cable supporting clamps, extension drills, pipe hangers—Star Expansion Bolt Co., 145 Cedar, New York
STAR farm tractors—Star Tractor Co., Findlay, Ohio
STAR feed cutters—Gowanda Agricultural Works, Gowanda, N. Y.
STAR foot grinders—Tri-Angle Mfg. Co., Freeport, Ill.
STAR force pumps—Blymyer Iron Works Co., Cincinnati, Ohio
STAR friction clutches, safety cut-off couplings—C. G. Westlund Co., 498 Millbury, Worcester, Mass.
STAR gas engines—Star Mfg. Co., New Lexington, Ohio
STAR gas igniters—Hercules Electric Co., Indianapolis, Ind.
STAR gas & oil stoves—I. Block & Son, 393 Pearl, New York
STAR hack saw blades & frames, hack saw machines, kitchen & jewelers' saws, mitre boxes, scroll saws—Millers Falls Co., 28 Warren, New York
STAR hickory handles—Hartwell Handle Co., Harvey, Ill.
STAR hopper valves—Crampton-Farley Brass Co., Kansas City, Mo.
STAR horse collar pads—Zinc Collar Pad Co., Buchanan, Mich.
STAR hot water heaters—Star Heating Co., Norwalk, Ohio
STAR incandescent gas burners—Unique Art Glass & Metal Co., 105 Vandeveer, Brooklyn, N. Y.
STAR knife switches—Barkelew Elec. Mfg. Co., Middletown, Ohio
STAR lawn mowers—Dille & McGuire Mfg. Co., Richmond, Ind.
STAR locknut bushings & electric fixture studs—Steel City Elec. Co., 1207 Columbus av, Pittsburgh, Pa.
STAR lubricators, gate valves—Wm. Powell Co., Cincinnati, Ohio
STAR lug straps—E. H. Jacob Mfg. Co., Danielson, Conn.
STAR machinists vise—Boker Cutlery & Hardware Co., 101 Duane, New York
STAR miners' lamps—Geo. T. Anton & Bro., Monongahela, Pa.
STAR miners' lamps—Grier Bros. Co., 124 3rd av, Pittsburgh, Pa.
STAR mitre boxes—Millers Falls Co., Millers Falls, Mass.
STAR mitre boxes, picture frame machinery—Rockford Mitre Box Co., Rockford, Ill.
STAR oil cups—Swift Lubricator Co., Elmira, N. Y.
STAR padlock locks—U. S. Lock & Hdwe. Co., Columbia, Pa.
STAR paper fasteners—Waterbury Brass Goods Corp., Waterbury, Conn.
STAR phosphor copper & tin—Richards & Co., Inc., 192 Beverly, Boston, Mass.
STAR pipe vises—Fulton Machine & Vise Co., Lowville, N. Y.
STAR plow coulters—Star Coulter Co., Canton, Ohio
STAR plows—Wm. H. Clore Mfg. Co., Washington, Ind.
STAR post hole augers—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
STAR potato diggers—D. H. DeShay, Elysburg, Pa.
STAR potato sprayers—Lawrence-Bostwick Mfg. Co., Phelps, N. Y.
STAR radiator shields—J. Rutherford & Son, Akron, Ohio
STAR range boilers—Detroit Range Boiler & Steel Barrel Co., 619 24th, Detroit, Mich.
STAR rat traps—Lovell Mfg. Co., Erie, Pa.
STAR reclaimed rubber—Manufactured Rubber Co., Franklin Bk. bldg., Phila., Pa.
STAR roof flanges, soil pipe testing plugs—H. E. Hessler Co., Syracuse, N. Y.
STAR BRAND round belting & belt cements—F. Raniville Co., Grand Rapids, Mich.
STAR rubber buckets—Henry C. Freshour, Bridgeport, Conn.
STAR sad irons—W. H. Howell Co., Geneva, Ill.
STAR safety razors—Kampfe Bros., 8 Reade, New York
STAR sash locks—W. & E. T. Fitch Co., New Haven, Conn.
STAR saw sets—Hy. Disston & Sons, Tacony, Philadelphia, Pa.
STAR screw drivers—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
STAR seal presses—Sigwalt Mfg. Co., 3658 Armitage, Chicago, Ill.
STAR sewing machine oilers—Hero Mfg. Co., Westmoreland av & Stokley, Philadelphia, Pa.
STAR shade cloth—Columbia Mills, Inc., 225 5th av, New York
STAR shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
STAR sickel grinders—Clizbe Bros. Mfg. Co., Plymouth, Ind.
STAR soil pipe testing plugs—H. E. Hessler, Syracuse, N. Y.
STAR soldering stick & paste—McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
STAR spelter—Kahn Bros., 785 Humboldt, Brooklyn, N. Y.
STAR spiral springs—Columbian Hardware Co., Cleveland, Ohio
STAR spring tooth harrows—Gale Mfg. Co., Albion, Mich.
STAR steak pounders—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
STAR steam heaters, water tube boilers—Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
STAR steel figures & letters—Fred H. Keene, 152 Chambers, New York
STAR steel tanks & towers, wood sawing machines—Flint & Walling Mfg. Co., Kendallville, Ind.
STAR step ladders—Rich Pump Co., South & Depot, Cincinnati, Ohio
STAR step ladders—S. A. Smith Mfg. Co., Brattleboro, Vt.
STAR step ladders—Union Blind & Ladder Co., Oakland, Cal.
STAR stove pipe thimbles—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
STAR stove pokers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.

STAR stoves—Bellaire Stove Co., Bellaire, Ohio
STAR switch stands—Pettibone, Mulliken & Co., Marquette bldg., Chicago, Ill.
STAR tack claws & pullers—W. G. Browne Mfg. Co., Kingston, N. Y.
STAR tank heaters—B. F. Freeland Sons Co., Sturgis, Mich.
Star tinners' snips—Acme Shear Co., Bridgeport, Conn.
STAR tire upsetters—Champion Blower & Forge Co., Lancaster, Pa.
STAR tobacco cutters—Griswold Mfg. Co., Erie, Pa.
STAR typewriter ribbons—F. S. Webster Co., 340 Congregational, Boston, Mass.
STAR ventilators—Merchant & Evans Co., Washington av & 21st, Philadelphia, Pa.
STAR wall plaster—New Albany Wall Plaster Co., New Albany, Ind.
STAR water filters—Wm. Welsh, 2733 Arbor av, Hyde Park, Cincinnati, Ohio
STAR weatherproof wire—American Electrical Works, Phillipsdale, R. I.
STAR white metal compositions—E. Reed Burns, 27 Jackson, Brooklyn, N. Y.
STAR wood faucets—John Sommer Faucet Co., 30 Morris, Newark, N. J.
STAR-CLEAN carriage top dressing—Alder Chemical Co., Mount Vernon, N. Y.
STAR COLONEL golf balls—St. Mungo Mfg. Co., 121 Sylvan av, Newark, N. J.
STAR 91 steel handle wrenches—Coes Wrench Co., Worcester, Mass.
STAR DUPLEX locomotive lubricators—Wm. Powell Co., Cincinnati, Ohio
STAR OAK stoves—Fox Furnace Co., Elyria, Ohio
STAR-PEERLESS flour bin & sifter—Iddings Co., Warren, Ohio
STAR POLISHER sad irons—Enterprise Mfg. Co., of Pa., 3rd & Dauphin, Phila., Pa.
STAR POST caps & bases—A. M. Castle & Co., 715 N. Morgan, Chicago, Ill.
STARALINE metal Polish—Rath Mfg. Co., Headley & Richmond, Philadelphia, Pa.
STARBUCK pipe bending springs, pipe nipple holders—R. M. Starbuck & Sons, Hartford, Conn.
STARCO cable grease—Star Lubricating Oil Co., 8714 B'way, S. E., Cleveland, Ohio
STARCO MIST furniture polish—Star Lubricating Oil Co., 8714 B'way, S. E., Cleveland, Ohio
STA-RITE automobile lighting, battery, pull & push switches—Frank W. Morse, 289 Congress, Boston, Mass.
STAR-ITE varnish—Adams & Elting Co., 726 Washington, Chicago, Ill.
STARK car couplers—Stark Car Coupler Corp., Strasburg, Va.
STARK lathes, milling machines, damasking machines, pinion polishing machines, reamer grinders—Stark Tool Co., Waltham, Mass.
STAR QUICK SHIFT steel anti-rattlers—Evans & Coppins Co., Princeton, Ill.
STARR automobile tire holders—Starr Bros. Bell Co., East Hampton, Conn.
STARRETT vises—Athol Machine Co., Athol, Mass.
STARRETT'S fine tools—L. S. Starrett Co., 212 Vine, Philadelphia, Pa.
STARRETTS IMPROVED machinists' vises—Athol Machine Co., Athol, Mass.
STAR SPECIAL PLANER round belting—F. Raniville Co., Grand Rapids, Mich.
STATESMAN bath tub enamels, dust absorbing floor oils, radiator enamels, copper paints—Chas. H. Brown Paint Co., 262 Fulton, Brooklyn, N. Y.
STA-THERE battery connectors—Manhattan Electrical Supply Co., 17 Park pl, New York
STA-TITE piston rings—Sta-Tite Packing Ring Co., 3049 Olive, St. Louis, Mo.
STATUS OIL HARDENING non-shrinkable tool steel for delicate dies—Hammond Steel Co., Inc., Syracuse, N. Y.
STAUFFER grease cups—McNab & Harlin Mfg. Co., 55 John, New York
STAWANA gang plows—Racine-Sattley Co., Springfield, Ill.
STA-WHITE mill white paints—Detroit Graphite Co., 10-12th, Detroit, Mich.
STAY-IN flue stops—Peoria Can Co., Peoria, Ill.
STAYON barn door hangers—F. E. Myers & Bro., Ashland, Ohio
STAY ON feed carriers—Automatic Carrier Co., Juneau, Wis.
STAY ON horse blankets—Burlington Blanket Co., Burlington, Wis.
STAY THERE fire & waterproof paints—Hardie Mfg. Co., Hudson, Mich.
STEADFAST roofing composition & felts—Flintkote Co., 88 Pearl, Boston, Mass.



STEARNS hollow augers—Buckeye Mfg. & Foundry Co., 2046 W. 55th, Cleveland, Ohio
STEARNS lawn mowers, lawn sprinklers, molders' flasks, hog ringers, blacksmiths' tongs, vises, bone mills & hollow augers, saw sets, mitre boxes, door & sash clamps—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
STEBBINS molasses gates—Taylor & Boggis Foundry Co., Cleveland, Ohio
STEBBINS molasses gates—Weller Hardware & Foundry Co., Horsehead, N. Y.
STEBBINS pyrites & sulphur burners—Stebbins Engineering & Mfg. Co., Watertown, N. Y.
STEEL-AGE medicine cabinets—Corry Metal Products Co., Corry, Pa.
STEEL ALLOY school, farm, church & alarm bells—C. S. Bell Co., Hillsboro, Ohio
STEEL bond sanitary flooring—Franklyn R. Muller & Co., Waukegan, Ill.
STEEL CITY junction boxes & conduit bushing adapters—Steel City Electric Co., 1207 Columbus av, Pittsburgh, Pa.
STEEL FRAME ice cream freezers—Richmond Cedar Wks., Fulton, Richmond, Va.
STEEL GIANT equalizers—E. B. Adams & Son, Racine, Wis.
STEEL GRIP sand blasting gloves—Hickory Steel Grip Glove Co., 2640 N. Maplewood av, Chicago, Ill.
STEEL KING bottom dump wagons—F. MacKinnon Mfg. Co., Grand Rapids, Wis.
STEEL KING concrete mixers—American Cement Machine Co., Keokuk, Ia.
STEEL KING cultivators—Donaldson Bros., Mt. Clemens, Mich.
STEEL KING self dumping rakes—Messinger Mfg. Co., Tatamy, Pa.
STEEL KING tractors—Hart-Parr Co., Charles City, Ia.
STEEL STATE padlocks—Slaymaker Lock Co., Lancaster, Pa.
STEEL TUBULAR sprue cutters—Adams Co., Dubuque, Iowa
STEEL-EYE filing envelopes—Geo. B. Groff Co., 294 Washington, Boston, Mass.
STEELBOUND cork mats—La Porte Mat & Mfg. Co., La Porte, Ind.
STEELCOTE asphalt roofing—A. H. White Co. Ltd., Howard, Venus, Miro & Tonti, New Orleans, La.
STEELCRETE expanded metal lath, plasters, steel corner beads—Consolidated Expanded Metal Co.'s, Braddock, Pa.
STEELE grate bars—Salamander Grate Bar Co., 126 Liberty, New York
STEELE HARVEY annealing, assayers', bullion, case hardening, melting, reducing, refining, reheating, turning & welding furnaces—Monarch Engineering & Mfg. Co., American Bldg., Baltimore, Md.
STEELEX ball valve seats—Chas. N. Hough Mfg. Co., Franklin, Pa.
STEELMARK crayons—Zelnicker Walter A. Supply Co., 325 Locust, St. Louis, Mo.
STEEL MIXTURE brick—McLeod & Henry Co., 360 1st, Troy, N. Y.
STEEL PRESSURE exhaust fans—B. F. Sturtevant Co., 15 Damon, Hyde Park, Mass.
STEEL RIBBON locking bar spacer—Steel & Iron Products Co., 1911 Emerson av, Chicago, Ill.
STEEL'S grate bars—Richard Thompson & Co., 126 Liberty, New York
STEER BRAND leather belting—Joseph Meier's Sons, 306 Market, Newark, N. J.
STEER'S PATENT expansive bits—C. E. Jennings & Co., 71 Murray, New York.
STEIN exhaust heads—John J. Stein, 30 Clay, Brooklyn, N. Y.
STEINER electric coffee mills, motor-driven washing machines—Steiner Mfg. Co., 4100 N. 21st, St. Louis, Mo
STEINFELD meat & food choppers, sleds & steering coasters, ironing boards—Steinfeld Bros., 116 W. 32nd, New York
STEINFELD window screens—Geneva Mfg. Co., Geneva, Ill.
STEINLE turret lathes—Steinle Turret Machine Co., Madison, Wis.
STEIN'S exhaust heads—G. Irving Abendroth Co., 10 E. 43d, New York
STEITZ potato sprayers—Stevens Mfg. & Foundry Co., Decatur, Ill.
STEK-O powdered paste—Clark Paper & Mfg. Co., Rochester, N. Y.
STELLAR kerosene lamp burners—Edw. Miller & Co., Meriden, Conn.
STEMPAK packing—Goetze Gasket & Packing Co., New Brunswick, N. J.

STEM-TITE packing—Metric Packing Co., Buffalo, N. Y.
STENGEL bed & furniture casters—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
STENMAN automobile engine valve grinders—Stenman Electric Valve Grinding Co., Inc., 42 Southbridge, Worcester, Mass.
STENOTYPE shorthand typewriters—Stenotype Co., Indianapolis, Ind.
STEPHAN belt dressing—Desmond-Stephan Mfg. Co., Urbana, Ohio
STEPHENS linemen's climbers—W. H. Buckingham, Binghamton, N. Y.
STEPHEN'S machinists vises—Yost Mfg. Co., Meadville, Pa.
STEPHENS ratchet wrenches—Burgess-Norton Mfg. Co., Geneva, Ill.
STEPHENSON BAR belt dressing—Stephenson Mfg. Co., Albany, N. Y.
STEPHENSON cans, bathroom fixtures, dry earth closets, tumbler holders, pumping outfits—C. F. Stephenson, Lynn, Mass.
STEPHENSON rope dressing—Stephenson Mfg. Co., Albany, N. Y.
STERBON emery wheels—Sterling Grinding Wheel Co., Tiffin, Ohio
STERLING air economizers, air reheaters—Sterling Equipment Co., 139 N. Clark, Chicago, Ill.
STERLING automobile springs—Sterling Spring Co., 2148 Scranton rd, Cleveland, Ohio
STERLING barn door hangers—Lawrence Bros., Sterling, Ill.
STERLING barrows, column clamps, carts, trucks, molders' flasks, sprue boxes, steel wheel & foundry trucks—Sterling Wheelbarrow Co., Milwaukee, Wis.
STERLING battery meters—Sterling Mfg. Co., Blackstone bldg, W. 3d, Cleveland, Ohio
STERLING belting—Chicago Belting Co., 125 N. Green, Chicago, Ill.
STERLING blotting paper—Standard Paper Mfg. Co., Hull & Canal, Richmond, Va.
STERLING borax, boric acid—Thorkllsden-Mather Co., 111 W. Monroe, Chicago, Ill.
STERLING carpet sweepers—Metal Stampings Corp., Streator, Ill.
STERLING coffee & spice mills—Wrightsville Hardware Co., Wrightsville, Pa.
STERLING core oils, core oil compounds—Sterling Oil Co., Emlenton, Pa.
STERLING corn & cob mills, clod crushers, fertilizer distributors, seeders & sowers, potato diggers—Sterling Mfg. Co., Sterling, Ill.
STERLING corrugated metal culverts—Galion Iron Works & Mfg. Co., Galion, Ohio
STERLING cotton duck, tents, tarpaulins, wagon covers, etc.—Textile Products Mfg. Co., Park av & Dolman, St. Louis, Mo.
STERLING cotton hose—Mechanical Rubber Co., 73 Reade, New York
STERLING electric car brakes, sand boxes—Lord Mfg. Co., 105 W. 40th, New York
STERLING emery & corundum wheels—Sterling Grinding Wheel Co., Tiffin, Ohio
STERLING emery wheel dressers—Diamond Saw & Stamping Works, 357 7th, Buffalo, N. Y.
STERLING exhaust heads, blast gates, furnace feeders, ball joints, propeller fans, blowers, dust collectors & separators, etc., ventilators—Sterling Blower Co., Hartford, Conn.
STERLING family funnels, fry pans, milk dippers—Central Stamping Co., 172 Fulton, New York
STERLING farm wagons—Abingdon Wagon Co., Abingdon, Ill.
STERLING fountain pens—Davidson Rubber Co., Boston, Mass.
STERLING garden hose reels—Cardington Cabinet Co., Cardington, Ohio
STERLING grain car loaders—H. W. Caldwell & Son Co., 17th & Western av, Chicago, Ill.
STERLING grindstones—Cleveland Stone Co., 1836 Euclid av, Cleveland, Ohio
STERLING hack saw blades & frames, hack saw machines—Diamond Saw & Stamping Works, 357 7th, Buffalo, N. Y.
STERLING harness snaps—Covert Mfg. Co., Troy, N. Y.
STERLING hay carriers, sickel grinders—Whittaker Mfg. Co., 409 S. Green, Chicago, Ill.
STERLING hot air furnaces, coal & gas combination ranges—Sill Stove Works, Rochester, N. Y.
STERLING incandescent electric lamps—Sterling Electric Lamp Works of G. E. Co., Warren, Ohio
STERLING ink erasers—Turner Bros., 1022 Arch, Phila., Pa.
STERLING interior conduits—Garland Mfg. Co., 1st National Bank bldg, West Pittsburgh, Pa.
STERLING lampwicks—Estes Mills, Fall River, Mass.
STERLING lawn mowers—American Lawn Mower Co., Muncie, Ind.
STERLING levelers, transits—Warren-Knight Co., 136 N. 12th, Phila., Pa.
STERLING meat & food choppers, slicing machines—N. R. Streeter & Co., Rochester, N. Y.
STERLING oil engines, pumping jacks—Charter Gas Engine Co., Sterling, Ill.
STERLING oil & grease cup lubricators—Wm. Powell Co., Cincinnati, O.
STERLING oil & grease cups—Sterling Machine & Stamping Co., Wellington, Ohio
STERLING oxide of zinc—New Jersey Zinc Co., 160 Front, New York
STERLING packing—A. W. Chesterton Co., 64 India, Boston, Mass.
STERLING packing—Empire Tire & Rubber Corp., Trenton, N. J
STERLING printing presses—Printing Machinery Co., 3d & Lock, Cincinnati, Ohio
STERLING propeller wheels—Sterling Engine Co., Buffalo, N. Y.
STERLING rail saws—Diamond Saw & Stamping Works, Buffalo, N. Y.
STERLING razor stroppers—Samuel Kanner, 556 Broadway, New York
STERLING round cornering machines—Southworth Machine Co., Portland, Me.
STERLING rubber covered wire—Standard Underground Cable Co., Pittsburgh Pa.
STERLING rubber tires, tubes & horse shoe pads—Sterling Tire Corp., Rutherford, N. J.
STERLING silver polish—Miller Bros. & Co., 894 Broadway, New York
STERLING steam traps—Templeton Mfg. Co., Boston, Mass.
STERLING tack claws & pullers—Browne & Dowd Mfg. Co., Meriden, Conn.
STERLING tack claws & pullers—W. G. Browne Mfg. Co., Kingston, N. Y.
STERLING thresher—International Harvester Co. of America, Inc., Harvester bldg, Chicago, Ill.
STERLING typewriter ribbons—E. A. Brecher & Co., 119 Lafayette, New York
STERLING universal joints—Bearings Co. of America, Lancaster, Pa.
STERLING vacuum cleaners—Sterling Vacuum Cleaner Co., Worcester, Mass.
STERLING valve re-seating machines—Adam A. Long, Rochester, N. Y.
STERLING veneered doors—Roddis Lumber & Veneer Co., Marshfield, Wis.
STERLING water gauges—Williams Gauge Co., 543 4th av, Pittsburgh, Pa.
STERLING water tube expanders—Gustav Wiedeke & Co., Dayton, Ohio
STERLING wrenches, slip joint pliers—Frank Mossberg Co., Attleboro, Mass.
STERLING NO-RIVET damper clips—Meister & Cochran, Sterling, Ill.
STERLING NO-RIVET damper clips, step ladder stools—Sterling Foundry Co., Sterling, Ill.
STERLINGWORTH brake beams—Chicago Railway Equipment Co., 1928 W. 46th, Chicago, Ill.
STERLITH emery & corundum wheels—Sterling Grinding Wheel Co., Tiffin, Ohio
STERNOID molded insulation—International Insulating Corp., 25 W. 45th, New York
STERNO-CONDENSITE moulded insulation—International Insulating Corp., 25 W. 45th, New York
STETSON chair tips—Elastic Tip Co., 370 Atlantic av, Boston, Mass.
STETTINER'S cement—H. Marquardt & Co., 35 S. William, New York
STEUBEN decorated glassware—Corning Glass Works, Corning, N. Y.
STEUBEN step ladders—W. W. Babcock Co., Bath, N. Y.
STEVENS can filling machines—Ayars Machine Co., Salem, N. J.
STEVENS fertilizer distributors, seeders & sowers—Belcher & Taylor Agrl. Tool Co., Chicopee Falls, Mass.
STEVENS mine cages, mine ventilating fans—Mineral Ridge Mfg. Co., Mineral Ridge, Ohio
STEVENS potato planters—Stevens Mfg. & Foundry Co., Decatur, Ill.
STEVENS water level recorders—Leupold & Voelpel, Portland, Ore.
STEVENS' KING can filling machines—Sprague Canning Machinery Co., 222 N. Wabash av, Chicago, Ill.
STEWART bumpers indicators & speedometers—Stewart-Warner Speedometer Corp., 1826 Diversey P'kway, Chicago, Ill.

STEWART butter printing & cutting machines—American Butter Cutting Machine Co., Elmsford, N. Y.
STEWART carbureters—Detroit Lubricator Co., 1178 Trumbull av, Detroit, Mich.
STEWART core compounds—Delevan Mfg. Co., 65 Delevan, Brooklyn, N. Y.
STEWART furnaces & forges—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
STEWART gas ranges & laundry stoves—Fuller & Warren Co., Troy, N. Y.
STEWART grooming machines—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
STEWART hot air furnaces, stoves, gas ranges—Fuller-Warren Co., 32nd & Wright, Milwaukee, Wis.
STEWART horse & cow clipping machines—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
STEWART jigs for coal washeries—Link-Belt Co., 329 W. 39th, Chicago, Ill.
STEWART LITTLE MAJOR gasoline engines—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
STEWART LITTLE WONDER gasoline engines—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
STEWART melting furnaces, sheep clipping machines & gas blast forges—Chicago Flexible Shaft Co., 5600 W. 12th, Chicago, Ill.
STEWART safety pins—Consolidated Safety Pin Co., Bloomfield, N. J.
STEWART sheep shearing machines—Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
STEWART tailors' gas irons—Central Flatiron Mfg. Co., Johnson City, N. Y.
STEWART'S talking machines—Stewart Phonograph Corp., 4535 Fullerton, Chicago, Ill.
STEWART V. RAY searchlights — Stewart-Warner Speedometer Corp., 1826 Diversey Parkway, Chicago, Ill.
STICKERS cement coated wire nails—Howard W. Middleton Co., 945 Ridge av, Phila., Pa.
STICKLE feed water heaters & purifiers, steam traps, vacuum valves—Open Coil Heater & Purifier Co., Indianapolis, Ind.
STICK-TITE bow separators—Iroquois Auto Top Co., Utica, N. Y.
STICK-TO iron & steel cements—A. Wilhelm Co., Reading, Pa.
STIKEMAN metallic library shelving—Geo. Stikeman, 114 W. 32nd, New York
STILES toilet paper holders—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
STILLBECH hydraulic valves & unions—New York Brass Foundry Co., 403 Broome, New York
STILLMAN-CARMICHAEL damper regulators—Stillman-Carmichael Co., 19 Pearl, Boston, Mass.
STILLSON pipe vises—Parmelee Tool Co., 2515 W. Monroe, Chicago, Ill.
STILLSON pipe wrenches—Oswego Tool Co., Oswego, N. Y.
STILLSON pipe wrenches—Greenfield Tap & Die Corp., Boston, Mass.
STILLSON pipe wrenches—F. E. Wells & Son Co., Greenfield, Mass.
STILLWELL feed water heaters—Platt Iron Works Co., Dayton, Ohio
STIMPSON scales—Stimpson Scale & Electric Co., Northville, Mich.
STIMPSON'S dovetail machines—Goodspeed Machine Co., Winchendon, Mass.
STINE screw holes—Stine Screw Holes Co., Waterbury, Conn.
STIRLING water tube boilers—Babcock & Wilcox Co., 85 Liberty, New York
STITT spark plugs—Stitt Ignition Co., Columbus, Ohio
STOCKTON gang plows—H. C. Shaw Co., Stockton, Cal.
STOCO safety goggles—Standard Optical Co., Geneva, N. Y.
STODDARD tire & axle shrinkers—Illinois Iron & Bolt Co., Carpentersville, Ill.
STOEVER pipe threading & cutting-off machines—Treadwell Engng. Co., Easton, Pa.
STOKES carbureter—Nelson Tool Co., Inc., 782 E. 142nd, New York
STOKES hospital stretchers—Kny-Scheerer Co., 404 W. 27th, New York
STONE shock absorbers—Universal Rim Co., 140 S. Dearborn av, Chicago, Ill.
STONE wool dryers—James Hunter Machine Co., N. Adams, Mass.
STONEBRIDGE non-drip registering candle savers—C. H. Stonebridge Mfg. Co., 23 Warren, New York
STONEMETZ printing press—Challenge Machinery Co., Grand Haven, Mich.



STONEWALL cook stove—B. C. Bigg Stove Co., 109 Light, Baltimore, Md.
STONEWALL cotton plows—S. R. White's Sons, Norfolk, Va.
STONORE rubber belting—New York Rubber Co., Reade & Church, New York
STOPA LEAK pipe joint cements—W. T. Baker, 224 Suydam av, Jersey City, N. J.
STOPEHAMMER pneumatic drills—Ingersoll-Rand Co., 11 B'way, New York
STOP LEAK roofing cements & paint—Jones Paint Co., Rome, N. Y.
STORIE brass valves—Scully Iron & Steel Co., 2554 S. Ashland av, Chicago, Ill.
STORM KING door hangers—Safety Door Hanger Co., Ashland, Ohio
STORM KING hot air furnaces—Roberts-Hamilton Co., Minneapolis, Minn.
STORM KING hot air furnaces—Union Stove Works, 70 Beekman, New York
STORMPROOF barn door hangers—National Mfg. Co., Sterling, Ill.
STORMTIGHT asphalt fibre roofing—L. Sonneborn Sons, 262 Pearl, New York
STORMTITE damp resisting concrete paints—Storm Waterproofing Corp, 417 5th av, New York
STOVER bone mills & gasoline engines—Stover Mfg. & Engine Co., Freeport, Ill.
STOWE paint spraing & sand blast machines—Bradsto Appliances, Inc., 65 Maine, Buffalo, N. Y.
STOWELL car door hangers & hay fork pulleys—Stowell Co., So. Milwaukee, Wis.
STOWELL rift flooring machines—Filer & Stowell Co., Milwaukee, Wis.
STOW'S patent stove brick—Silas J. Stow, New Haven, Conn.
STRAIGHT PUSH sash operating device & ventilating apparatus—G. Drouve Co., 40 Tulip, Bridgeport, Conn.
STRAIGHTLINE electric bells—P R Mfg. Co., Detroit, Mich.
STRAIT'S tractors—Killen-Strait Mfg. Co., Appleton, Wis.
STRAND flexible shafts—R. G. Haskins, 547 W. Washington blvd, Chicago, Ill.
STRAND gas heaters—Strand Heater & Mfg. Co., 7804 Wade Park, Cleveland, Ohio
STRATTON steam & air separators—Griscom-Russell Co., 92 West, New York
STRATTON JR. oil separators—Griscom Russell Co., 92 West, New York
STRATTON LEVEL CO. levels—Goodell-Pratt Co., Greenfield, Mass.
STRAUSS DIAMOND EYE ice skates—J. E. Strauss, St. Paul, Minn.
STREATOR carpet sweepers—Metal Stamping Corp., Streator, Ill.
STREET locomotive stokers—Locomotive Stoker Co., 30 General Robinson, Pittsburgh, Pa.
STREETER blind fasteners—Parker Wire Goods Co., Worcester, Mass.
STREETER'S can openers—N. R. Streeter & Co., Rochester, N. Y.
"STREETERS" steel clips—Streeter Clip & Specialty Co., 4127 E. Ravenswood av, Chicago, Ill.
STREETER'S steel window frame—Streeter Clip & Specialty Co., 4101 Ravenswood av, Chicago, Ill.
STREICH farm wagons—A. Streich & Bro. Co., Oshkosh, Wis.
STRENGTH & WEAR babbitt metal loading chains, logging tools & tool steel—Woodward Wight & Co., Ltd., Howard av & Constance, New Orleans, La.
STRICKLER door hangers, feed carriers, grapple forks, hay slings, hay carriers—Strickler Hay Tool Co., Janesville, Wis.
STRIET pulley turning lathes—Avey Drilling Machine Co., Covington, Ky.
STROM clamp frogs—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
STROMBERG carbureters—Stromberg Motor Devices Co., 64 E 25th, Chicago, Ill.
STRONG diamond holders—Montgomery & Co., 105 Fulton, New York
STRONG pump governors, steam separators, steam traps, engine stops, pressure regulators, valves—Strong, Carlisle & Hammond, 336 Frankfort av, N. W., Cleveland, Ohio
STRONG'S packing, packing hooks, gaskets, lubricating oils & greases, rubber valves—Strong Machinery & Supply Co., 21 Walker, New York
STRONG'S AQUAPROOF hydraulic packing—Strong Machinery & Supply Co., 21 Walker, New York
STRONG'S BEST packing flax—Strong Machinery & Supply Co., 21 Walker, New York
STRONG'S EXCELSIOR packing sticks—Strong Machinery & Supply Co., 21 Walker, New York

STRONG'S E-Z-E-E lubricating oils & greases—Strong Machinery & Supply Co., 21 Walker, New York
STRONG'S I. O. P. valve discs—Strong Machinery & Supply Co., 21 Walker, New York
STRONG'S RIVALITE metallic packing—Strong Machinery & Supply Co., 21 Walker, New York
STRONG'S SPECIALTY chisels—Strong Machinery & Supply Co., 21 Walker, New York
STRONG'S TISAFINE belting, packing, machine wipers—Strong Machinery & Supply Co., 21 Walker, New York
STRONG'S VERI BEST ring & spiral packing—Strong Machinery & Supply Co., 21 Walker, New York
STRONG UTILITY flange wrenches—Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, Ohio
STRONGHOLD rubber tires & inner automobile tubes —Rubber Products Co., Barberton, Ohio
STROUD coal dust burners—E. H. Stroud & Co., 928-934 Fullerton av, Chicago, Ill.
STROUD plows, wagons, road levelers—Stroud & Co., Omaha, Nebr.
STRUCTO toys—Structo Mfg. Co., Freeport, Ill.
STRUTHERS pig iron—Struthers Furnace Co., Citizens' bldg, Cleveland, Ohio
STUART two pressure operating valves—Pittsburgh Valve, Foundry & Construction Co., 26th & A. V. R. R., Pittsburgh, Pa.
STUBBS gasoline burners—Incandescent Light & Stove Co., Madisonville, Cincinnati, Ohio
STUBBS reels—Wm. Firth, 200 Devonshire, Boston, Mass.
STUBBS road scrapers—Mechanical Mfg. Co., Union Stock Yards, Chicago, Ill.
STUCKI side bearings—A. Stucki, Oliver bldg, Pittsburgh, Pa.
STUCKOTE waterproofing materials—National Roofing Co., Tonawanda, N. Y.
STUCOLOR paints—Glidden Co., Madison av & Berea rd, Cleveland, Ohio
STUDEBAKER wagons—Studebaker Corp., South Bend, Ind.
STUHL oil & gasoline pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
STUNNER peanut roasters—Bartholomew Co., Peoria, Ill.
STURTEVANT blowers, dryers-carpet, paper, cotton hair, warp, etc., fans, engines, steam turbines, steam traps, generating sets, electric & airplane engines, vacuum cleaners—B. F. Sturtevant Co., 15 Damon, Hyde Park, Mass.
STURTEVANT vacuum cleaners—Western Electric Co., 463 West, New York
STURTEVANT READY TO RUN portable ventilating sets—B. F. Sturtevant Co., 15 Damon, Hyde Park, Mass.
STUTZMAN fruit evaporators—Stutzman Mfg. Co., Ligonier, Ind.
STYLE A ironing machines—Adams Laundry Machinery Co., Troy, N. Y.
STYRIAN tool steel—Houghton & Richards, 145 Oliver, Boston, Mass.
SUBERIT cork washers—Armstrong Cork Co., 24th & A. V. R. R., Pittsburgh, Pa.
SUBLIME white lead basic sulphate, blue lead—The Eagle Picher Lead Co., 208 S. La Salle, Chicago, Ill.
SUBMARINE soap powders—J. T. Kenny & Co., St. Paul, Minn.
SUCCESS ash & garbage cans, lawn clothes dryers—Success Mfg. Co., Gloucester, Mass.
SUCCESS bottle filling machines—Federal Brass Works, 3100 S. Kedzie, Chicago, Ill.
SUCCESS bridle bits—Fernald Mfg. Co., North East, Pa.
SUCCESS bridle bits—Wm. Van Arsdale, Racine, Wis.
SUCCESS bucket and tank spray pumps—Deming Co., Salem, Ohio
SUCCESS carriage fasteners—C. Cowles & Co., New Haven, Conn.
SUCCESS clippers—Coates Clippers Mfg. Co., Worcester, Mass.
SUCCESS corn huskers—Maytag Co., Newton, Ia.
SUCCESS cream separators—Deshler Mail Box Co., Deshler, Ohio
SUCCESS fanning mills—Twin City Separator Co., 29th & Colfax av, S. Minneapolis, Minn.
SUCCESS flue & tube cleaners—Chas. Nuhring & Bros., 1212 Walnut, Cincinnati, Ohio
SUCCESS foot power grinders—Buffalo Specialty Co., 375 Ellicott, Buffalo, N. Y.
SUCCESS gasoline engines—Leavitt Mfg. Co., Urbana, Ill.
SUCCESS grain graders & lid box presses—Success Seed Graders Co., Spokane, Wash.
SUCCESS hame fasteners—O. B. North & Co., New Haven, Conn.
SUCCESS hame fasteners—North & Judd Mfg. Co., New Britain, Conn.
SUCCESS harrow carts—Moline Plow Co., Moline, Ill.
SUCCESS lawn sprinkler—Deming Co., Salem, Ohio
SUCCESS manure spreaders—Marseilles Wks. of Deere & Co., East Moline, Ill.
SUCCESS metal marking machines—Hjorth Lathe & Tool Co., 27 School, Boston, Mass.
SUCCESS non-freezing fire extinguishers—H. W. Johns-Manville Co., Madison av & 41st, New York
SUCCESS plows—Parlin & Orendorff Co., Canton, Ill.
SUCCESS ranges—Huenefeld Co., Cincinnati, O.
SUCCESS tread horse powers—Appleton Mfg. Co., Batavia, Ill.
SUCCESS water gauges—Williams Gauge Co., 543 4th av, Pittsburgh, Pa.
SUCCESS wire stretchers—Hohulin Bros., Goodfield, Ill.
SUCCESS wood pulp grinders—Appleton Machine Co., Appleton, Wis.
SUCCESSFUL incubators & brooders—Des Moines Incubator Co., Des Moines, Ia.
SUCKER STATE grain drills, disc harrows, stalk cutters—Hayes Pump & Planter Co., Galva, Ill.
SUCTION back shaving mirrors—F. C. Shuman Co., 168 N. Michigan av, Chicago, Ill.
SU-DIG plug ignition—Superior Motor Power Co., 135 5th av., New York
SULCO-V. B. insecticide—Cook & Swan Co., Inc., 148 Front, New York
SULFOL castor oils—E. F. Houghton & Co., 240 W. Somerset, Phila., Pa.
SUEZ double-acting pumps—Crestline Mfg. Co., Crestline, Ohio
SUGG-LETHEBY photometers—American Meter Co., 3112 N. 17th, Phila., Pa.
SULLIVAN air compressors, hammers, drills & coal cutters—Sullivan Machinery Co., Peoples Gas bldg., Chicago, Ill.
SULLIVAN roving cans—Diamond State Fibre Co., Elsmere, Del.
SULLIVAN shuttle guards—Draper Corp., Hopedale, Mass.
SULLIVAN'S cutting & drilling compounds & castor oil machines—Sullivan Oil Co., 413 N. Wells, Chicago, Ill.
SULLIVAN'S ECONOMIC belt dressing, boiler compounds—Sullivan Oil Co., 413 N. Wells, Chicago, Ill.
SULTAN rug fasteners—Saml. Donchian Rug Co., Hartford, Conn.
SUMMER GIRL oil stoves—Taylor & Boggis Fdry. Co., Cleveland, Ohio
SUMMERS dump cars—Summers Steel Car Co., Pittsburgh, Pa.
SUMMERS harness awls—Lawton & Bushman, Burlington, Wis.
SUMMIT carbon paper, typewriter ribbons—Union Ribbon & Carbon Co., 67 Laurel, Phila., Pa.
SUMMIT engine & precision lathes—Summit Machine Works, 54 Hermon, Worcester, Mass.
SUMMIT stoves—Summit Fdy. Co., Geneva, N. Y.
SUMTER magnetos—Sumter Electrical Co., 1466 Michigan av, Chicago, Ill.
SUMTER packing—General Asbestos & Rubber Co., Charleston, S. C.
SUN apple slicing machinery—Boutell Mfg. Co., Rochester, N. Y.
SUN coffee mills—Sun Mfg. Co., Columbus, Ohio
SUN clothes drying cabinets—Chicago Dryer Co., 630 S. Wabash av, Chicago, Ill.
SUN cordage & twine—American Mills Co., Atlanta, Ga.
SUN dry batteries—Stackpole Carbon Co., St. Marys, Pa.
SUN lamp burners—Edw. Miller & Co., Meriden, Conn.
SUN oil stoves & heaters—Detroit Fdry. Co., 1 E. Grand blvd & Riopelle, Detroit, Mich.
SUN tire setters—D. H. Potts, Lancaster, Pa.
SUN BEAM art gum erasers—F. D. Mayer Mfg. Co., 222 W. Superior, Chicago, Ill.
SUN padlock locks—United Lock & Hdwe. Co., Columbia, Pa.
SUNBEAM incandescent electric lamps—Western Incandescent Lamp Works of G. E. Co., 500 S. Clinton, Chicago, Ill.
SUNBEAM incandescent electric lamps — Western Electric Co., 463 West, New York
SUN BEAM lawn mowers—Chadborn & Caldwell Mfg. Co., Newburgh, N. Y.
SUN BRIGHT metal polish, furniture polish—Patton Paint Co., Milwaukee, Wis.
SUN BURNT cover paper—Hampden Glazed Paper & Card Co., Holyoke, Mass.
SUN BURST alcohol stoves—Thos. W. Houchin Co., 36 E. 12th, New York

SUN BURST vault & sidewalk lights—Sun-Burst Prism Co., Phila., Pa.
SUNDERMAN carbureters—Sunderman Corp., Newburgh, N. Y.
SUNDH circuit breakers & pressure regulators—Sundh Electric Co., 209 Parkhurst, Newark, N. J.
SUN FLOWER finishing plaster—American Cement Plaster Co., Lawrence, Kans.
SUNNY SOUTH oils, pitch, tar—General Naval Stores Co., 90 West, New York
SUN PROOF asbestos paints—Patton Paint Co., Milwaukee, Wis.
SUN PROOF liquid paint—Patton Paint Co., Milwaukee, Wis.
SUN RAY tank heaters—J. L. Mott Iron Works, Trenton, N. J.
SUNSET belting, air drill & suction rubber hose—Pioneer Rubber Mills, San Francisco, Cal.
SUNSET carbon black—L. Martin Co., 81 Fulton New York
SUNSET lubricating oils & greases—Indian Refining Co., 244 Madison av, New York
SUNSET packing—A. W. Chesterton Co., 64 India, Boston, Mass.
SUNSET vineyard timber plows—Parlin & Orendorff Co., Canton, Ill.
SUN-SHINE carriage top dressing, brass bed polish, dust absorbing floor oils, furniture polish—E. W. Thumb, 872 Orleans, Chicago, Ill.
SUN SHINE metal polish—Atlas Auto Supply Co., 656 W. Austin av, Chicago, Ill.
SUN SHINE miners' lamps—Hero Mfg. Co., Westmoreland av & Stokley, Phila., Pa.
SUN SHINE steam heaters—Beard & Beard, Reading, Pa.
SUN SHINE stoves, hot air furnaces—Reading Stove Works, Reading, Pa.
SUN SHINE vacuum carpet sweepers—Household Mfg. Co., 1221 Filbert, Phila., Pa.
SUN SHINE washing machines—Voss Bros. Mfg, Co., Davenport, Ia.
SUN-STAR turndown lamps—F. J. Rooney Lamp Co., Hoboken, N. J.
SUNDERMAN carbureters—Sunderman Safety Carbureter Corp., Newburgh, N. Y.
SUNDH circuit breakers, pressure regulators—Sundh Electric Co., 51 E. 42d, New York
SUNDSTRAND engine lathes—Rockford Tool Co., Rockford, Ill.
SUNNY SOUTH pine oils, pine pitch, pine tar—General Naval Stores Company, Inc., 90 West, New York
SUNNY SOUTH stoves & ranges—Hardwick Stove Co., Cleveland, Tenn.
SUPERB shoe blacking & polishes—Whittemore Bros. Corp., Cambridge, Mass.
SUPERB step ladders—R. W. Whitehurst Mfg. Corp., Norfolk, Va.
SUPERB vacuum cleaners—Chas. W. Emery, 2036 N. 13th, Phila., Pa.
SUPERB, JR., vacuum cleaners—Chas. W. Emery, 2036 N. 13th, Phila., Pa.
SUPERBA packing—Curry Bros. Oil Co., 253 Franklin, Boston, Mass.
SUPER CENTRIFUGE centrifugal clarifiers & Separators—Sharples Specialty Co., West Chester, Pa.
SUPER DREADNOUGHT automobile inner tubes—Dreadnought Tire & Rubber Co., Eager & 5th, Baltimore, Md.
SUPER-SEASONED fibre—National Fibre & Insulation Co., Yorklyn, Del.
SUPERFILTCHAR carbon—Industrial Chemical Co., 200 5th av, New York
SUPER-FROST incandescent lamp coloring—Guy V. Williams Co., 686 Eleventh av, New York
SUPERIOR automobile radiator covers—Frank S. Feeser Co., 1033 Shelby, Indianapolis, Ind.
SUPERIOR automobile wind shields—B. & B. Mfg. Co., 6528 Carnegie av, Cleveland, Ohio
SUPERIOR babbitt metal—Atkinson Co., Rochester, N. Y.
SUPERIOR belt dressing, rope dressing—Superior Chemical Mfg. Co., Grand Rapids, Mich.
SUPERIOR belting, belt fasteners—Western Rawhide & Belting Co., 600 S. Pierce, Milwaukee, Wis.
SUPERIOR blue print paper—New York Blue Print Paper Co., 102 Reade, New York
SUPERIOR buggy aprons—J. B. Cretors, St. Paris, Ohio
SUPERIOR cement—Wellston Iron Furnace Co., Jackson, Ohio
SUPERIOR chain hoists—D. Round & Son, Penn R. R. & Henry, Cleveland, Ohio
SUPERIOR churns—Superior Churn & Mfg. Co., Northville, Mich.
SUPERIOR clamp vises—Athol Machine Co., Athol, Mass.



SUPERIOR copper hardened babbitt metal, insulating tape & roofing—Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
SUPERIOR corn & cob mills, tank heaters & windmills—Duplex Mfg. Co., Superior, Wis.
SUPERIOR cream separators—Superior Sheet Metal Works Co., Indianapolis, Ind.
SUPERIOR cultivators, garden plows, weeders, wire fence stretchers—Bridgewater Plow Corp., Bridgewater, Va.
SUPERIOR deadening felts—H. F. Watson Co., Erie, Pa.
SUPERIOR door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
SUPERIOR door stops, hinges, screen door checks—Superior Spring hinge Co., 136 W. Lake, Chicago, Ill.
SUPERIOR drill shapening machines—Lake Shore Engine Works, Marquette, Mich.
SUPERIOR egg & cream beaters—Wickwire Spencer Steel Corp., Worcester, Mass.
SUPERIOR electric sad irons—National Stamping & Electric Works, 424 S. Clinton, Chicago, Ill.
SUPERIOR feed cutters—Hench & Dromgold Co., York, Pa.
SUPERIOR fish lines—Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
SUPERIOR fish wire—Steel City Electric Co., 1207 Columbus av., Pittsburgh, Pa.
SUPERIOR fly traps—Peoria Can Co., Peoria, Ill.
SUPERIOR gas engines—Superior Gas Engine Co., Springfield, Ohio
SUPERIOR gas & gasoline heaters—Bastian-Morley Co., La Porte, Ind.
SUPERIOR gas soldering furnaces—Warren Machine Products Co., Warren, Pa.
SUPERIOR graphite paints—Detroit Graphite Co., 10-12th, Detroit, Mich.
SUPERIOR hand card cutters—Marshall Son & Co., 226 Purchase, Boston, Mass.
SUPERIOR resistance wire—H. Boker & Co., 101 Duane, New York
SUPERIOR horse rasps & platinum point files—Nicholson File Co., Providence, R. I.
SUPERIOR lamp chimneys—Macbeth-Evans Glass Co., Pittsburgh, Pa.
SUPERIOR land & field rollers—Mountville Mfg. Co., Mountville, Pa.
SUPERIOR linemen's climbers—Jno. J. Reidy, New Haven, Conn.
SUPERIOR liquid & paste wood fillers, paints & varnish wood stains—S. E. M. Rice Filler Co., Irvington, N. J.
SUPERIOR lubricators—American Lubricator Co., Summit & Wabash Ry., Detroit, Mich.
SUPERIOR lubricators—Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
SUPERIOR mailing bags—Columbus Mailing Bag Co., 1178 Mt. Pleasant av, Columbus, Ohio
SUPREME marine paints—Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
SUPERIOR oil cans—National Enameling & Stamping Co., 411 5th av, New York
SUPERIOR oil filters—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
SUPERIOR oxide of zinc—New Jersey Zinc Co., 160 Front, New York
SUPERIOR packing—Consumers' Rubber Co., 829 Superior av, Cleveland, Ohio
SUPERIOR paper fasteners—Ideal Specialties Mfg. Corp., 552 Pearl, New York
SUPERIOR pipe wrenches—Hawkeye Wrench Co., Marshalltown, Ia.
SUPERIOR pneumatic water supply systems—Samuel Sloan & Co., Rochester, N. Y.
SUPERIOR reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg, New York
SUPERIOR rolling steel doors & shutters—Kinnear Mfg. Co., 716 Field av, Columbus, Ohio
SUPERIOR sash operating devise—Payson Mfg. Co., 2918 W. Jackson blvd., Chicago, Ill.
SUPERIOR seeders, corn planters, disc harrows, grain drills—American Seeding Machine Co., Springfield, Ohio
SUPERIOR shovels—Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
SUPERIOR spark plugs—Superior Motor Specialty Co., 44 N. 4th, Phila., Pa.
SUPERIOR steam & hot water heaters—Utica Heater Co., Utica, N. Y.
SUPERIOR sterilizing apparatus—Erie City Mfg. Co., Erie, Pa.
SUPERIOR sweep horse powers—Heebner & Sons, Lansdale, Pa.
SUPERIOR tea urns—Bramhall-Deane Co., 261 W. 36th, New York

SUPERIOR thermal bath cabinets—Cabinet Mfg. Co., Quincy, Ill.
SUPERIOR tobacco counter cutters—Wrightsville Hardware Co., Wrightsville, Pa.
SUPERIOR tool chests—American Mfg. Concern, Falconer, N. Y.
SUPERIOR trucks—Abingdon Wagon Co., Abingdon, Ill.
SUPERIOR wood working machinery & band sawing machines for metal—Jones Superior Machines Co., 1264 North av, Chicago, Ill.
SUPERIOR wrenches—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
SUPERIOR DUPLEX grinding mills—E. W. Ross, Springfield, O.
"SUPERIOR IN QUALITY" woven wire fences—Frost-Superior Fence Co., E. 131st, Cleveland, O.
SUPERL metal polish—Superl Mfg. Co., Los Angeles, Cal.
SUPERO air drill hose, chemical engine hose, steam hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
SUPERVANE exhaust fans—B. F. Sturtevant Co., 15 Damon, Hyde Park, Mass.
SUPLE suction hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
SUPPLE belting—Schwartz Belting Co., 76 Murray, New York
SUPREME automobile engine—Supreme Motors Corp., Warren, Ohio
SUPREME can openers—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
SUPREME gold & silver ink—Zehden Metallic Ink Co., 132 Nassau, New York
SUPREME lawn mowers—Dille & McGuire Co., Richmond, Ind.
SUPREME lubricating oils & greases—Richardson Lubricating Co., Quincy, Ill.
SUPREME machinists vises—Spafford Tool Works, Hartford, Conn.
SUPREME poultry, rabbit, railroad & farm fences, fence posts—F. P. Smith Wire & Iron Wks., 2340-48 Clybourn av., Chicago, Ill.
SUPREME quick action machinists' vices—Spafford Tool Works, Hartford, Conn.
SUPREME steam & hot water heaters—W. A. Case & Sons Mfg. Co., Buffalo, N. Y.
SUPREMIS floor finish—Chicago Varnish Co., 2100 Elston av, Chicago, Ill.
SURANSAFE removable window guards—F. P. Smith Wire & Iron Wks., 2340-48 Clybourn av., Chicago, Ill.
SURE CATCH barn door latches—Brodhead Latch Co., Brodhead, Wis.
SURE CENTRE finders—West Haven Mfg. Co., West Haven, Conn.
SURE-CLEAN window cleaners—Osborn Mfg. Co., 5405 E. Hamilton, Cleveland, Ohio
SURE COOL gasoline engines—Moore Plow & Implement Co., Greenville, Mich.
SURE CUT can openers—Ira F. White & Son, Bloomfield, N. J.
SURE-DRAFT forge chimneys—Lourie Mfg. Co., Springfield, Ill.
SURE DROP ball bearing jacks—A. O. Norton, Inc., 440 Brookline av, Boston, Mass.
SURE DROP corn planters—Ohio Rake Co., Dayton, Ohio
SURE DROP riding listers—Gale Mfg. Co., Albion, Mich.
SURE-FAST harness snaps—Eberhard Mfg. Co., C. & P. Ry. & Tennyson rd, Cleveland, O.
SURE GRIP adjustable tandem door hangers, hay fork pulleys, sling unloaders—F. E. Myers & Bros., Ashland, Ohio
SURE GRIP clothes line pulleys—Reading Saddle & Mfg. Co., Reading, Pa.
SURE GRIP horseshoers' vises & tire upsetters—butts & Ordway Co., 33 Purchase, Boston, Mass.
SURE GRIP hose clamps—J. R. Clancy, Syracuse, N. Y.
SURE GRIP hose clamps—Elkhart Brass Mfg. Co., Elkhart, Ind.
SURE GRIP linemen's climbers—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
SURE GRIP nail pullers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
SURE-GRIP removable screw calks—American Calk Co., 1217 Forest, Detroit, Mich.
SURE GRIP sad iron handles—Reading Saddle & Mfg. Co., Reading, Pa.
SURE-GRIP tackle blocks—Fulton Iron Works, 39 Franklin, Detroit, Mich.
SURE-GRIP trolley wire clamps—Electric Railway Equipment Co., Cincinnati, Ohio
SURE GRIP wire fence stretchers—Wrightsville Hardware Co., Wrightsville, Pa.
SURE HATCH incubators & brooders—Fremont Mfg. Co., Fremont, Nebr.
SURE HATCH incubators & brooders—Sure Hatch Incubator Co., Fremont, Nebr.
SURE-HOLD hose menders, steam couplings—C. A. Claflin Co., 161 High, Boston, Mass.
SURE LOCK damper clips—Parker Supply Co., 785 E. 135th, New York
SURE-ON door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
SURE-SEAL cast iron cleanouts, sewer gas traps—Central Foundry Co., 90 West, New York
SURE STEP ice creepers—Norlund Mfg. Co., Williamsport, Pa.
SURETY grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
SURPASS WX loom pickers—E. H. Jacobs Mfg. Co., Danielson, Conn.
SURPRISE alarm clocks—W. L. Gilbert Clock Co., Winsted, Conn.
SURPRISE cultivators—Kingman Plow Co., Peoria, Ill.
SURPRISE egg & cream beaters—J. R. Dawson Mfg. Co., Fairhill Sta., Phila., Pa.
SURPRISE egg & cream beaters & flour sieves—Wickwire Spencer Steel Corp., Worcester, Mass.
SURPRISE egg & cream beaters—Woods-Sherwood Co., Worcester, Mass.
SURPRISE jacket fire hose—Eureka Fire Hose Mfg. Co., 27 Barclay, New York
SURPRISE self-setting rat traps—Wolverton Mfg. Co., Holton, Kans.
SURRELL steam heaters—Surrell Down Draft Boiler Co., 39 Cortlandt, New York
SUSEMIHL side bearings—American Steel Foundries, McCormick bldg, Chicago, Ill.
SUSEMIHL side bearings—Simplex Railway Appliance Co., Hammond, Ind.
SUSQUEHANNA dump wagons—Columbia Wagon Co., Columbia, Pa.
SUSTANOL barium cyanide—Hackmeister Lind Chemical Co., Pittsburgh, Pa.
SUTTON sand & gravel heaters & dryers—Indiana Foundry Co., Indiana, Pa.
SVENSON concrete mixers—Svenson-Shuman Machine Co., Oliver bldg, Pittsburgh, Pa.
SWAGED steel figures & letters—Fred H. Keene, 152 Chambers, New York
SWAIN oil & grease cups & loose pulley oilers—Swain Lubricator Co., 443 W. 37th, Chicago, Ill.
SWAN carriage fasteners—Standard Top & Equipment Co., 1849 E. 65th, Cleveland, Ohio
SWAN fountain pens—Mabie, Todd & Co., 17 Maiden la, New York
SWAN heat regulators—Klipfel Mfg. Co., 2651 W. Harrison, Chicago, Ill.
SWAN potato planters—Potato Implement Co., Traverse City, Mich.
SWAN thorium nitrate—Pfaltz & Bauer, 300 Pearl, New York
SWANEE metallic shingles—Berger Mfg. Co., Canton, Ohio
SWAN'S expansive bits, auger handles, chamferer gauges, folding handle knives—Jas. Swan Co., Seymour, Conn.
SWAN'S harness hooks—Imperial Bit & Snap Co., Racine, Wis.
SWANSON portable grain elevators—Swanson-St. Joseph Plow Co., St. Joseph, Mo.
SWART'S sheet packing—Garratt-Callahan Co., 30 Fremont, San Francisco, Cal.
SWARTWOUT exhaust heads, ventilators, steam separators—Ohio Body & Blower Co., 9300 Detroit av, Cleveland, Ohio
SWASTIKA tools & specialties—Buffum Tool Co., South Side, Louisiana, Mo.
SWASTIKA fish line—Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
SWASTIKA lubricating oils & greases—McLean-Jones Oil & Supply Co., Inc., 40 Court, Boston, Mass.
SWATMOR fly swatters—U. S. Wire Mat Co., Decatur, Ill.
SWAT-STICKA fly swatters—U. S. Wire Mat Co., Decatur, Ill.
SWEATERKNIT mops—U. S. Mop Co., Toledo, Ohio
SWEDISH linemen's climbers, wire connectors—Smith & Hemenway Co., Inc., 261H B'way, New York, & 130H Coit st., Irvington, N. J.
SWEDISH KRAFT wrapping paper—D. S. Walton & Co., 132 Franklin, New York
SWEENEY'S IRON HORSE traction engines—Sweeney Tractor Co., Kansas City, Mo.
SWEEPER-VAC carpet sweepers, electric—Pneuvac Co., 164 Fremont, Worcester, Mass.
SWEEP WELL corn brooms—A. J. Eckhart Co., W. 74th & Madison, Cleveland, Ohio.

SWEET'S carriage wheels—Shortsville Wheel Co., Shortsville, N. Y.
SWEET exhaust heads, steam separators—Direct Separator Co., Syracuse, N. Y.
SWEET'S lumber wagons—B. F. & H. L. Sweet Co., Fond du Lac, Wis.
SWEET'S toe-calks—Franklin Steel Works, Joliet, Ill.
SWEET'S track drills—Michigan Machinery Mfg. Co., Ypsilanti, Mich.
SWEET'S window springs—Stanley Works, New Britain, Conn.
SWEET'S CONCEALED hub bands—Eastern Malleable Iron Co., Naugatuck, Conn.
SWEET'S MAGIC metal polish—C. F. Sweet, Hartford, Conn.
SWENSON stump pullers—Swenson Grubber Co., Cresco, Ia.
SWIFT CUTTER lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
SWIFT'S arsenate of lead—Merrimac Chemical Co., 148 State, Boston, Mass.
SWIFT drug & coffee mills—Lane Bros. Co., Poughkeepsie, N. Y.
SWIFT'S dumping carts, feed cookers, grinding mills—Swift Mfg. Co., Waterloo, Ia.
SWIFT'S ECONOMY shaking grates, furnace blowers—Donegan & Swift, 6 Murray, New York
SWINDELL gas producers—Wm. Swindell & Bros., Jenkins Arcade bldg., Pittsburgh, Pa.
SWINEFORD hay carriers—G. A. Swineford Co., Canton, Ohio
SWINEHART tires—Swinehart Tire & Rubber Co., Akron, Ohio
SWISS embroidering machines—Durbrow & Hearne Mfg. Co., 12 Wooster, New York
SWISS feed cutters—Wilder-Strong Implement Co., Monroe, Mich.
SWISS SHINE metal polish, paints—Rath Mfg. Co., Headley & Richmond, Phila., Pa.
SWISSALU aluminum hollow ware & spiders—Geo. H. Bowman Co., 224 Euclid av., Cleveland, Ohio
SYLPHON air valves—Fulton Co., Knoxville, Tenn.
SYLPHON air valves, damper, steam & water regulators—American Radiator Co., 820 S. Michigan av, Chicago, Ill.
SYLVAN green marble—Henry A. Schweyer Co., Easton, Pa.
SYLVANITE safety fuse—du Pont de Nemours & Co. (E. I.), Wilmington, Del.
SYMENTREX waterproofing materials—Vitrifyx Co., 133 W. Washington, Chicago, Ill.
SYMINGTON journal boxes, journal box dust guards—T. H. Symington Co., Md. Trust bldg., Baltimore, Md.
SYNTHIDE artificial leather—Boston Woven Hose & Rubber Co., Cambridge, Mass.
SYRACUSE babbitt metal—United American Metals Corp. (Syracuse Smelting Works), 192 Diamond, Brooklyn, N. Y.
SYRACUSE drills, chisels, pliers, countersinks, micrometer gauges, nail sets, punches, screwdriver bits, handle wedges—Syracuse Twist Drill Co., Borden av, Syracuse, N. Y.
SYRACUSE harness snaps—Frazer & Jones Co., Syracuse, N. Y.
SYRACUSE hay carriers, grapple forks, potato diggers—Syracuse Chilled Plow Co., Syracuse, N. Y.
SYRACUSE paste—Schmeer's Paper Box Co., Syracuse, N. Y
SYRACUSE radiator valves—Syracuse Faucet & Valve Co., Eastwood, N. Y.
SYRACUSE sink brackets—H. E. Hessler Co., Syracuse, N. Y.
SYRACUSE steam heaters—Syracuse Heater Co., Syracuse, N. Y.
SYRACUSE water motors—Hunter Fan & Motor Co., Fulton, N. Y.
SYSTEMATIC concrete mixers—Cement Machinery Co., Jackson, Mich.
T. H. WITHERBY drawing knives, carpenters' chisels—Winsted Edge Tool Works, Winsted, Conn.
T. I. C. cushion springs—Trenton Spring Mattress Co., Trenton, N. J.
T. M. CO. shoe knives—Tuck Mfg. Co., Brockton, Mass.
T. P. C. lamp guards—Porter Co., 241 Water, New York
T. P. M. whiting & paris white—Import & By Products Co., Inc., Trenton, N. J.
T. T. hack saw blades—H. G. Thompson Son & Co., New Haven, Conn.
T. & B. box connectors, junction & switch boxes—Thomas & Betts Co., 63 Vesey, New York
T. & C. metal lath—Sharon Steel Hoop Co., Sharon, Pa.
T. & D. SPECIAL kraut cutters—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
T. & S. Dover egg & cream beaters—Turney & Seymour Mfg. Co., Torrington, Conn.
T. & W. chucks, machine presses, tire & wire wrapping machines—Terkelson & Wennberg, 328 A, Boston, Mass.
T. & W. UNIVERSAL cast iron plugs.—T. & W. Universal Plug Co., 9 S. Clinton, Chicago, Ill.
TABASCO bath water heaters—Kawanee Boiler Co., Kewanee, Ill.
TABASCO canned goods—McIlhenny Co., Avery Island, La.
TABER pumps—Taber Pump Co., Buffalo, N. Y.
TABOR hose wrenches—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
TABOR steam engine indicators—Ashcroft Mfg. Co., 119 W. 40th, New York
TABOR window hardware, weather strips—Tabor Sash Fixture Co., 69 Polk, Newark, N. J.
TACOMA oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
TAFT ALMETUL rug exhibitors—Taft Machine Co., 229 Globe, Providence, R. I.
TAG ELITE thermometers, flash tester, viscosimeters—C. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
TAG EVERIGHT thermometers—Chas J. Tagliabue Mfg. Co., 18 33rd, Brooklyn, N. Y.
TAGOMETER thermometers—Chas. J. Tagliabue Mfg. Co., 18 33rd, Brooklyn, N. Y.
TAHARA burnishing machines—Tahara Co., Glenwood & N. American, Philadelphia, Pa.
TAINTOR'S gilders' whiting—H. F. Taintor Mfg. Co., 2 Rector, New York
TAKAPART metal fishing reels—General Phonograph Co., 25 W. 45th, New York
TAKE-DOWN hay rack clamps—F. E. Myers & Bro., Ashland, Ohio
TAKITOF paint & varnish remover—Atlantic Drier & Varnish Co., Phila., Pa.
TALCLAY talc—Carbola Chemical Co., Inc., 5 E. 42nd, New York
TALCUT metal workers' crayons—Chas. B. Chrystal, 13 Cliff, New York
TALMA lavatories & fittings—James Barrett Mfg. Co., 117 Pearl, Boston, Mass.
TAMAQUA sprinkler hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
TAMPICO brush fibre—E. B. & A. C. Whiting Co., Burlington, Vt.
TAMPICO oil well belting—Republic Rubber Co., Youngstown, O.
TAMPICO wire wheel brushes & sections—Osborn Mfg. Co., Cleveland, Ohio
TAN-BO picker leather—Norwich Belt Mfg. Co., Norwich, Conn.
TANDEM oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
TANGLEFOOT fly paper—O. & W. Thum Co., Grand Rapids, Mich.
TANGYE'S hydraulic jacks—Irving Mfg. & Tool Co., 157 Chambers, New York
TANITE cutlery polish—Tanite Co., Stroudsburg, Pa.
TANKLESS air compressors—C. M. Sorensen Co., Inc., 177 E. 87th, New York
TANNATE belting, belt lacing—J. E. Rhodes & Sons, 12 N. 3rd, Phila., Pa.
TANNELITE powder—G. R. McAbee Powder & Oil Co., Keenan, Pittsburgh, Pa.
TANNER feed cutters—D. F. Tanner, Holland, N. Y.
TANNUS high speed steel—Hammond Steel Co., Inc., Syracuse, N. Y.
TANOLIN tanning extracts—Martin-Dennis Co., 859 Summer av, Newark, N. J.
TAN-REX belting—Barnum Bros. Co., Troy, N. Y.
TAPALOG pyrometers—Wilson-Maeulen Co., 383 Concord av, New York
TAPESTROLEA wall coverings—Richter Mfg. Co., Tenafly, N. J.
TAPESTRY art tile, front brick—Fiske & Co., 25 Arch, Boston, Mass.
TAPLIN egg & cream beaters—Taplin Mfg. Co., New Britain, Conn.
TAP-ON wire connectors—Jordan Bros., 74 Beekman, New York
TARCOTE road binders & preservatives—Chatfield Mfg. Co., Carthage, Cincinnati, Ohio
TARGET valve stem packing—E. A. Wilcox Mfg. Co., 6330 Stony Island av, Chicago, Ill.
TARRANT oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
TARTARLINE cream tartar—Worden Chemical Works, 4 Cedar, New York
TARVIA macadam & gravel road—Barrett Co., 17 Battery pl, New York
TASCOIL road binders & preservatives—Alden Speare's Sons Co., Cambridge, Mass.
TATE stay bolts—Flannery Bolt Co., Vanadium bldg, Pittsburgh, Pa.

TATHAM'S lead shot—United Lead Co., 111 Broadway, New York
TATSGRIP hand soap—Tatlock Bros., Rochester, N. Y.
TATTOO alarm clocks—New Haven Clock Co., New Haven, Conn.
TATUM loose leaf devices—Sam'l C. Tatum Co., Cincinnati, Ohio
TAURIL packing, gaskets—Anchor Packing Co., Lafayette bldg, Phila., Pa.
TAXITE paint & varnish remover—Sherwin-Williams Co., Cleveland, Ohio
TAYLOR brake shoes, car wheel centers, electrical bearings, forged axles & steel tired wheels—Taylor Elec. Truck Co., Troy, N. Y.
TAYLOR cattle stanchions—Jas. Boyle, Salem, Ohio
TAYLOR curtain stretchers, garment hangers—Taylor Mfg. Co., Princeton, Ind.
TAYLOR emery wheel dressers, speed indicators—Tanite Co., Stroudsburg, Pa.
TAYLOR HYDROLITIC water-proofing materials—Flexner-Taylor Co., Ltd., 786 E. B'way, So. Boston, Mass.
TAYLOR lap-welded steel pipe, spiral riveted pipe—American Spiral Pipe Works, Chicago, Ill.
TAYLOR measuring thiefs—U. S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.
TAYLOR mechanical stokers—American Engineering Co., Armingo av & Cumberland, Phila., Pa.
TAYLOR mop sticks & holders—Parks & Parks, Troy, N. Y.
TAYLOR penumatic jacks—Pneumatic Jack Co., Louisville, Ky.
TAYLOR pruning shears—Smith, Seymour & Son, Oakville, Conn.
TAYLOR steel portable derricks—Taylor Portable Steel Derrick Co., 215 W. Grand av, Chicago, Ill.
TAYLOR tool grinders—Tabor Mfg. Co., 18th & Hamilton, Phila., Pa.
TAYLORITE sanitary flooring—Ronald Taylor Co., 520 E. 20th, New York
TAYLOR MADE automobile trunks—C. A. Taylor Trunk Works, 28 E. Randolph, Chicago, Ill.
TAYLOR-MADE electric railway car trucks, coil & elliptic springs—Taylor Electric Truck Co., Troy, N. Y.
TAYLOR-NEWBOLD circular saws, milling cutters—Tabor Mfg. Co., 18th & Hamilton, Phila., Pa.
TAYLOR'S journal boxes—W. P. Taylor Co., Ellicott sq, Buffalo, N. Y.
TEC blue & black prints—Technical Supply Co., Scranton, Pa.
TEC T squares—Emmert Mfg. Co., Waynesboro, Pa.
TECKTONIUS-VOGT lime burning kilns—E. C. Tecktonius Mfg. Co., Racine, Wis.
TECO outlet & locknut bushings—Troy Electrical Co., Troy, N. Y.
TECTOR wood fillers—Patton Paint Co., Milwaukee, Wis.
TEDDY GRILL toasters — Satisfaction Guaranteed Corp., 659 Fulton, Chicago, Ill.
TEE'S gauge cocks—Nathan Mfg. Co., 416 E. 106th, New York
TEGUFILM boiler compounds — Tegufilm Chemical Mfg. Co., Syracuse, N. Y.
TEKSAGON meter couplings—H. W. Clark Co., Mattoon, Ill.
TEL-A-FEVER thermometers—C. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
TELE-CALL factory & office signals—Tele-Call Co., 1209 Marquette rd, Cleveland, O.
TELEGRAPH cocks & bibbs—Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
TELEGRAPH cocks & bibbs—Rundle-Spence Mfg. Co., 63 2nd, Milwaukee, Wis.
TELEMOTER marine steering gears — McNab Co., Bridgeport, Conn.
TELEPHONE feed cutters—Geo. S. Comstock & Son, Mechanicsburg, Pa.
TELEPHONE pruning shears—Smith, Seymour & Son, Oakville, Conn.
TELESCOPE tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
TEMCO electric drills, dynamos & motors—Temco Electric Motor Co., Leipsic, Ohio
TEMPEST hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
TEMPLE gas engines—Temple Mfg. Co., 22nd & S. 54th, Chicago, Ill.
TEMPLE oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
TEMPOINT fountain pens—Wahl Co., 1800 Roscoe, Chicago, Ill.
TEM-PO-VA kalsomine paint—Manhattan Color Works, 1035 Kelly, New York
TENAX packing—Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
TENAX picker leather—Holbrook Raw Hide Co., 748 N. Main, Providence, R. I.
TEN BROECK rubber tires—Ten Broeck Tyre Co., 26th & Courtney, Louisville, Ky.
TENEO snap fasteners—American Fastener Co., Waterbury, Conn.
TENEO snap fasteners—Teneo Co., Inc., 116 W 32d, New York
TENNESSEE cedar chests—Vestal Lumber & Mfg. Co., Knoxville, Tenn.
TENNESSEE dumping carts, wagons—Kentucky Wagon Mfg. Co., Louisville, Ky.
TENNESSEE staybolt iron—Ewald Iron Co., Louisville, Ky.
TENNESSEE wooden barrows—Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
TENOL belt dressing—Viscol Co., Cambridge, Mass.
TENSYL cloth testing machines—Shuttle Machine Co., 18 E. 17th, New York
TEN WINKEL oil & water filter & extractor—United Filter Corp., Felt bldg, Salt Lake City, Utah
TEON belting—D. P. Brown & Co., 264 N. 4th, Philadelphia, Pa.
TERMINAL public urinals—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
TERRAPIN sprinkler hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
TERRAZOLITE sanitary flooring—Warren Bros. Co., 142 Berkeley, Boston, Mass.
TERRELL'S metallic lockers—Terrell's Equipment Co., Grand Rapids, Mich.
TERRIER oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
TERRIER drop forged wrenches—Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
TESLA battery motors—Davis Kendrick Co., Lebanon., N. H.
TESSAR photographic lenses—Bausch & Lomb Optical Co., Rochester, N. Y.
TESTBESTOS asbestos brake linings—Amer. Asbestos Co., Norristown, Pa.
TEXACO axle grease, belt dressing, oils, paving cements, roofing felts, waterproofing materials—Texas Company, 17 Battery pl, New York
TEXACO CRATER compound gear lubricants—Texas Co., 17 Battery pl., New York
TEXACOAT roofing—Texas Co., 17 Battery pl., New York
TEXAS hoes—American Fork & Hoe Co., Swetland bldg., Cleveland, O.
TEXAS hoes—Union Fork & Hoe Co., Columbus, Ohio
TEXAS lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
TEXAS DANDY cultivators—Moline Plow Co., Moline, Ill.
TEXAS RANGER gun cleaning tools—Cullum & Boren Explosive Co., Dallas, Tex.
TEXODREN artificial leathers, car curtains & materials—Sillcocks-Miller Co., S. Orange, N. J.
TEX-STYLE dustless broom covers—Genesee Textile Co., Rochester, N. Y.
TEX-TA-DOR-NA burlap—Cotta-a-Lap Co., Somerville, N. J.
TEXTASE de-sizing agents for bleaching, dyeing, etc.—Malt-Diastase Co., 79 Wall, New York
TEXTOL canvas stitched belting—National Belting Co., Elyria, Ohio.
TEXWAX roofing—Texas Company, 17 Battery pl., New York
THABA lavatories & fittings—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
THARCO asbestos cements, glaziers' putty—Armstrong Co., South & Post av, Detroit, Mich.
THEBIAN lighting glass—Macbeth-Evans Glass Co., C. of C. bldg, Pittsburgh, Pa.
THE BOSTON motors—F. E. Whitney Co., 65 Sudbury, Boston, Mass.
THE-EGG-PAY-FOR-IT animal foods—Consolidated Rendering Co., 40 N. Market, Boston, Mass.
THE LEADER binding posts—Eby H. H. Mfg. Co., S. W. cor. 13th & Wallace, Phila., Pa.
THE MIEHLE printing presses—Miehle Printing Presses & Mfg. Co., 14th & Robey, Chicago, Ill.
THE STANDARD scales, box trucks, concrete barrows, concrete mixers, gas engines—Standard Scale & Supply Co., 1631 Liberty av, Pittsburgh, Pa.
THEISEN gas purifiers—R. D. Wood & Co., 400 Chestnut, Phila., Pa.
THE LIFE steam heaters—McDonnell Boiler & Iron Works, Des Moines, Ia.
THERLO resistance wire—Driver-Harris Co., Harrison, N. J.
THERMALITE roofing paints—Hascall Paint Co., W. 70th, Cleveland, Ohio

THERMALITE PLASTIC ROOFING cements—Hascall Paint Co., W. 70th, Cleveland, Ohio
THERMATIC fireless cookers—Diller Mfg. Co., Bluffton, Ohio
THERMIT welding & rail welds, rail bonds, rail joints —Metal & Thermit Corp., 120 B'way, New York
THERMITE anti-freezing compounds—Northwestern Chemical Co., Marietta, Ohio
THERMO arc lamps, globes—Macbeth-Evans Glass Co., Pittsburgh, Pa.
THERMO lubricating oils & greases—Haggerty Refining Co., 50 South, New York.
THERMO-ELECTRIC pyrometers—Hoskins Mfg. Co., 453 Lawton, Detroit, Mich.
THERMOCUP drinking cups—American Thermos Bottle Co., Norwich, Conn.
THERMODISK valves—Jas. P. Marsh & Co., 118 S. Clinton, Chicago, Ill.
THERMOGRAPH heat regulators—Bartlett Bros. Co., Cleveland, Ohio
THERMOLIN coating paints—Means & Thatcher, Norfolk Downs, Quincy, Mass.
THERMOLINE lubricating oils & greases—Haggerty Refining Co., 50 South, New York
THERMOLITE therapeutic lamps—H. G. McFaddin & Co., 38 Warren, New York
THERMOPOK packing—Combination Rubber Mfg. Co., Bloomfield, N. J.
THEROZ alcohol burners & stoves—Theroz Co., 233 B'way, New York
THESCO insulator clamps—States Co., Hartford, Conn.
THEXTON envelope sealing machines—Acorn Brass Mfg. Co., 426 S. Clinton, Chicago, Ill.
THIBAUD'S braided heddles—Emmons Loom Harness Co., Lawrence, Mass.
THIEM motor cycles—Joems Motor Mfg. Co., St. Paul, Minn.
THIN MODEL engineers' wrenches—Frank Mossberg Co., Attleboro, Mass.
THIN-O carbon paper—Miller-Bryant-Pierce Co., Aurora, Ill.
36 PART dough dividing machines—Wm. Zoeller Co., 325 N. Curtis, Chicago, Ill.
THISTLE alkali, bi-carbonate of soda, caustic soda, sap stain preventive, soda ash—Mathieson Alkali Works, 53 Canal, Providence, R. I.
THISTLE gauge glasses—J. E. Lonergan Co., 211 Race, Phila, Pa.
THISTLE oil & grease cup lubricators—Wm. Powell Co., Cincinnati, O.
THISTLE rubber hose—Whitehead Bros. Rubber Co., Trenton, N. J.
THISTLE taps & dies—Winter Bros. Co., Wrentham, Mass.
THOMAS agricultural implements—Thomas Mfg. Co., Springfield, Ohio
THOMAS blast furnaces—Thomas Furnace Co., 740 Kinnickinnic av, Milwaukee, Wis.
THOMAS carriage top props—C. Cowles & Co., New Haven, Conn.
THOMAS carriage top props—Searls Mfg. Co., 29 Mulberry, Newark, N. J.
THOMAS core box machines—Portland Co., Portland, Me.
THOMAS fishing rods—Thomas Rod Co., Bangor, Me.
THOMAS grate bars—Thomas Grate Bar Co., Birmingham, Ala.
THOMAS rail bonds—Lord Mfg. Co., 105 W. 40th, New York
THOMAS ALFALFA sulky hay rakes—Thomas Mfg. Co., Springfield, Ohio
THOMAS CROWN mowers—Moline Plow Co., Moline, Ill.
THOMAS CROWN mowers—Thomas Mfg. Co., Springfield, Ohio
THOMAS DOUBLE CYLINDER hay loaders—Thomas Mfg. Co., Springfield, Ohio
THOMAS SWATH hay loaders—Thomas Mfg. Co., Springfield, Ohio
THOMAS-VANADIUM pig iron—Thomas Iron Co., Hokendauqua, Pa.
THOMAS WILSON knives—Adolph Kastor & Bros., 109 Duane, New York
THOMPSON butchers' saw punches—H. G. Thompson & Son Co., New Haven, Conn.
THOMPSON conduit pipe reamers—Steel City Electric Co., 1207 Columbus av, Pittsburgh, Pa.
THOMPSON cut-out hangers—Thompson Electric Co., 5606 Euclid, Cleveland, Ohio
THOMPSON damper regulators, grate bars, shaking grates, steam engine indicators, tube cleaner—Richard Thompson & Co., 126 Liberty, New York
THOMPSON oil pump lubricators—Star Brass Mfg. Co., 53 Oliver, Boston, Mass.
THOMPSON oilers—Noera Mfg. Co., Waterbury, Conn.
THOMPSON pneumatic hose couplings—Keller Pneumatic Tool Co., Fond du Lac, Wis.
THOMPSON steam engine indicators—Jas. L. Robertson & Son, 78 Murray, New York
THOMSON combination roll dough moulding machines—Thomson Machine Co., Belleville, N. J.
THOMSON electric brazing & riveting machines & rivet heaters — Thomson Electric Welding Co., Lynn, Mass.
THOMSON smoke test machines—Gunster Bros., Scranton, Pa.
THOMSON stone planing machine attachments—Lincoln Iron Works, Rutland, Vt.
THOMSON meters—General Electric Co., Schenectary, Pa.
THOMSON & Evans pumps—C. H. Evans & Co., 187 Fremont, San Francisco, Cal.
THOR electric washers, household ironing machines—Hurley Machine Co., Cicero, Ill.
THOR pneumatic tools—Independent Pneumatic Tool Co., 600 W. Jackson blvd., Chicago, Ill.
THORDARSON gas igniters—Thordarson Elec. Mfg. Co., 501 S. Jefferson, Chicago, Ill.
THORNBURGS hog feeders—Franklin Galvanized Ware Mfg. Co., Franklin, Ind.
THORNHILL wagons—Thornhill Wagon Co., Lynchburg, Va.
THOROBRED packing—Mulconroy Co., 54th & Jefferson, Philadelphia, Pa.
THOROBRUSH brushes—Lafayette Brush & Mfg. Co., Lafayette, Pa.
THORP-RICHARDSON doors—Thorp Fire Proof Door Co., 1600-1610 Central av, Minneapolis, Minn.
THREADED catch sockets—General Electric Co., Schenectady, N. Y.
THREAD TIGHT pipe joint compounds—Thread-Tight Co., 288 Bowery, New York
THREE B soap—Rome Soap Mfg. Co., Rome, N. Y.
THREE BEE shoe blackings—S. M. Bixby & Co., 46th & 2nd av, Brooklyn, N. Y.
THREE HORSES iron & steel filler cements—John Baizley Iron Works, 514 S. Delaware av, Phila., Pa.
THREE IN ONE air gauges—Precision Instrument Co., 21 Halsey, Newark, N. J.
THREE-IN-ONE coaster wagons—John's Stamping & Machine Works Co., 1715 Leonard, Cleveland, O.
THREE-IN-ONE lubricating oils & greases & furniture polish—Three-in-One Oil Co., 165 Broadway, New York
THREE-IN-ONE pipe threading dies—National Pipe Die & Machine Co., Archbold, Ohio
3-IN-ONE potato mashers—Minerva Hardware Mfg. Co., Minerva, Ohio
THREE-IN-ONE tire vulcanizers—Adam Fisher Mfg. Co., 3624 Enright, St. Louis, Mo.
THREE STAR rubber belting steam hose—W. D. Allen Mfg. Co., 566 Lake, Chicago, Ill.
THREE-WAY exhaust valves—Mead, Morrison Mfg. Co., cor Prescott & Orleans, East Boston, Mass.
THREE-WAY syphon pumps—F. E. Myers & Bro., Ashland, Ohio
THRELFAL cotton mules—C. E. Riley Co., 161 Devonshire, Boston, Mass.
THRIFT stoves—Pittston Stove Co., Pittston, Pa.
THRU-CORDE switches—General Electric Co., Schenectady, N. Y.
THUMBS hand soap—Harrah & Stewart Mfg. Co., Des Moines, Ia.
THUNDER auto horns—Sears Cross Co., 147 41st, Brooklyn, N. Y.
THUNDERBOLT vacuum cleaners—Sterling Machine & Stamping Co., Wellington, Ohio
THURCO cutters, die filing & milling machines, end mills, saws, surface plates & watchmakers' tools —Thurston Mfg. Co., Providence, R. I.
THURMO high pressure sheet packing—O. C. Keckley Co., 318 W. Washington, Chicago, Ill.
THUR-STONE rubbing grains—F. W. Thurston Co., 1832 S. Clark, Chicago, Ill.
THYSSEN ENTRAINMENT air pumps—C. H. Wheeler Mfg. Co., Lehigh & 18th, Phila., Pa.
TICO steel die blocks—Titusville Forge Co., Titusville, Pa.
TICONDEROGA lead pencil—Joseph Dixon Crucible Co., Jersey City, N. J.
TIDMAN electric lamp hoods, metallic shades—National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
TIFFANY-NEVER-WIND clocks—Tiffany Never Wind Clock Corp., 2964 Main, Buffalo, N. Y.
TIFFIN wagons—Tiffin Wagon Co., Tiffin, Ohio
TIGER belting, hose, packing, rubber mats & insulating paper—Boston Woven Hose & Rubber Co., Cambridge, Mass.
TIGER belting—Cowan, Andrew & Co., Louisville, Ky.

TIGER bench & pipe vises — Emmert Mfg. Co., Waynesboro, Pa.
"TIGER" bronze bearings—More-Jones Brass & Metal Co., B'way & Dock, St. Louis, Mo.
TIGER cement—Castalia-Portland Cement Co., Castalia, Ohio
TIGER cultivators—Rockford Mfg. Co., Rockford, Ill.
TIGER-fertilizer attachments—Tiger Drill Mfg. Co., Beaver Dam, Wis.
TIGER grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
TIGER hose—Home Rubber Co., Trenton, N. J.
TIGER hot air furnaces—Floyd-Wells Co., Royersford, Pa.
TIGER hydrated, masons, agricultural & finishing lime—Kelley Island Lime & Transport Co., Leader News bldg, Cleveland, O.
TIGER lubricating oils & greases—Swan & Finch Co., 165 B'way, New York
TIGER metallic berths & bunks, woven wire folding cots—Haggard & Marusson Co., 1109 W. 37th, Chicago, Ill.
TIGER nail pullers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
TIGER rice separators—Leo Rumely Tractor Co., La Porte, Ind.
TIGER shovels—Frick & Lindsay Co., Sandusky & Robinson, Pittsburgh, Pa.
TIGER spray nozzles—Field Force Pump Co., Elmira, N. Y.
TIGER stove pipe & elbows—Lyon, Conklin & Co., 19 Balderston, Baltimore, Md.
TIGER tobacco transplanters—Ohio Rake Co., Dayton, Ohio
TIGER toilet paper holders—Weston Paper & Mfg. Co., Dayton, Ohio
TIGER varnish—W. W. Lawrence & Co., W. Carson nr Point Bridge, Pittsburgh, Pa.
TIGER wagon jacks—Richards-Wilcox Mfg. Co., Aurora, Ill.
TIGER wash boilers—Pritchard Stamping Co., Rochester, N. Y.
TIGER wrapping paper—Newton Paper Co., Holyoke, Mass.
TIGER PULL traction engines—Advance-Rumely Co., La Porte, Ind.
TIGER'S HEAD metal polish—Eclipse Cement & Blacking Co., 1240 Belmont av, Phila., Pa.
TIGHT-JOINT unions—Tight Joint Co., 310 E. 47th, New York
TIGHT WAD piston rings—Joseph Horatt, 417 Ferry, Lafayette, Ind.
TILE-IN china bathroom accessories—Hughes-Evans Co., 502 W. 32nd, New York
TILGHMAN sand blast machines, tumbling barrels—Tilghman-Brooksbank Sand Blast Co., 1126 S. 11th, Phila., Pa.
TILLMAN fertilizer distributors—Harriman Mfg. Co., Harriman, Tenn.
TILLOTSON carbureters—Tillotson Mfg. Co., Toledo, Ohio
TILTON solid cotton belting—Arthur S. Brown Mfg. Co., Tilton, N. H.
TIM adding machines—Oscar Muller Co., 32 Broadway, New York
TIMES sliding furniture shoes—Gould-Mesereau Co., 52 W. 38th, New York
TINDEL ALLBRECHT lathes, saws—Morris Tindel Co., Eddystone, Pa.
TINNERS' FRIEND gasoline soldering irons—Dobbins Mfg. Co., 127 S. 1st, Minneapolis, Minn.
TINNOL paste—Arabol Mfg. Co., 100 William, New York
TINOL self-fluxing solder—Hess & Son, Watkins bldg, Phila., Pa.
TINTOLAC floor finish—Lincoln Paint & Color Co., Lincoln, Nebr.
TINY oil & grease cup lubricators—Wm. Powell Co., Cincinnati, O.
TINY, 3 LEVER padlocks—Slaymaker Lock Co., Lancaster, Pa.
TIOGA garden hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
TIOGA reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg, New York
TIPOVER dumping carts—E. D. Etnyre & Co., Oregon, Ill.
TIP-TOP can openers—N. R. Streeter & Co., Rochester, N. Y
TIP-TOP duplicators—Felix F. Daus Duplicator Co., 111 John, New York
TIP-TOP fertilizer distributors—Towers & Sullivan Mfg. Co., Rome, Ga.
TIP TOP garden cultivators—Hartman Mfg. Co., Vincennes, Ind.
TIP TOP lawn mowers—Worcester Lawn Mower Co., Worcester, Mass.
TIP TOP leather, cattle & rawhide whips—Diamond Whip Co., 406 N. Curtis, Chicago, Ill.
TIP TOP paint cans—Manufacturers' Can Co., Harrison, N. J.
TIP TOP rubber covered wire—Standard Underground Cable Co., Westinghouse bldg, Pittsburgh, Pa.
TIP TOP stoves—Southern Stove Works, Richmond, Va.
TIP-TOP ventilating caps—Miller Foundry & Specialty Co., N. Tonawanda, N. Y.
TIP TOP ventilator—Anderson Mfg. Co., Des Moines, Iowa
TISAFINE belting & packing—Strong Machinery & Supply Co., 21 Walker, New York
TISCO manganese steel track work, rails, switches, etc.—Wm. Wharton, Jr., & Co., Inc., Easton, Pa.
TITAN dredge chains—Mill & Mine Supply Co., 317 1st, Seattle, Wash.
TITAN farm tractors—International Harvester Co. of America, Inc., Harvester bldg., Chicago, Ill.
TITAN kerosene tractors—International Harvester Company of America (Inc.), Harvester bldg, Chicago, Ill.
TITAN sash cord irons—S. & I. Co., Springfield, Mass.
TITAN throttle & lever valves—Wm. Powell Co., Cincinnati, Ohio
TITAN tinners' saws—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
TITANIC automobile springs—Tuthill Spring Co., 760 Polk, Chicago, Ill.
TITANOX paint pigments—Titanium Pigment Co., Niagara Falls, N. Y.
TITCHENER'S carriage fasteners — Crandal-Stone Div., The Brewer-Titchener Corp., Binghamton, N. Y.
TITEKOTE asphalt paints—Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
TITELOCK-metal shingles—Decatur Cornice & Roofing Co., New Decatur, Ala.
TOAD scrubbing brushes—Standard Brush Co., New Hartford, Conn.
TOBEY grease traps, steam traps—J. L. Mott Iron Works, Trenton, N. J.
TOCKOLITH paints—Toch Bros., 320 5th av, New York
TOCO graphite paints—Tropical Paint & Oil Co., W. 70th, Cleveland, Ohio
TOCONAMEL wall finish—Tropical Paint & Oil Co., W. 70th, Cleveland, Ohio
TOCOTONE wall finish—Tropical Paint & Oil Co., W. 70th, Cleveland, Ohio
TODD end cutting nippers—T. D. Hotchkiss Co., Deep River, Conn.
TOERRING arc lamps—C. J. Toerring Co., 2121, Toronto, Phila., Pa.
TOFCO lumber, oak flooring—Tenn. Oak Flooring Co., Nashville, Tenn.
TOGO wood stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
TO KAY bath tub enamels—W. W. Lawrence & Co., Pittsburgh, Pa.
TOLEDO blast furnaces—Toledo Furnace Co., Cleveland, Ohio
TOLEDO brazed steel tubing—Standard Steel Tube Co., Toledo, Ohio
TOLEDO drop hammers, presses & shears—Toledo Machine & Tool Co., Toledo, Ohio
TOLEDO garden cultivators, wheel garden hoes, weeders—Thornburgh Mfg. Co., Bowling Green, Ohio
TOLEDO grain dryers—J. D. Gerken Co., Toledo, Ohio
TOLEDO high speed steel—Jno. Hy. Andrew & Co., Ltd., 26 Cortland, New York
TOLEDO pipe cutters, pipe threading dies, ratchet boring tools—Toledo Pipe Threading Machine Co., 1440 Summit, Toledo, O.
TOLEDO steering coasters—Toledo Metal Wheel Co., Toledo, Ohio
TOLEDO CLIPPER garden barrows—Toledo Wheelbarrow Co., 2400 Broadway, Toledo, Ohio
TOLMAN-oxy-acetylene welding & cutting apparatus—Tolman Mfg. Co., 19 West 3rd, Boston, Mass.
TOLMAN tweezers—Adell Mfg. Co., Orange, Mass.
TOMAHAWK roofing brushes—New Jersey Brush Co., Bloomfield, N. J.
TOMLINSON barometric condensers—Allis-Chalmers Mfg. Co., Milwaukee, Wis.
TOMLINSON car couplers—Ohio Brass Co., Mansfield, Ohio
TOM THUMB carburetors—National Equipment Co., 122 S. Michigan, Chicago, Ill.
TOM THUMB carbureter—Tom Thumb Carbureter Co., New London, O.
TOM-THUMB hand riveting machines—A. C. Williams Co., Ravenna, Ohio

TONADO barn door hangers—J. E. Porter Co., Ottawa, Ill.
TON-A-FORD truck units — Ton-A-Ford Truck Co., Racine, Wis.
TONAPAH cotton planing drills, riding listers—Racine-Sattley Co., Springfield, Ill.
TONAWANDA emery grinders—Gillis Machine Co., Tonawanda, N. Y.
TONAWANDA SCOTCH pig iron—Tonawanda Iron & Steel Co., North Tonawanda, N. Y.
TONDEUR window glass annealing lehrs—Woods-Lloyd Co., S. 30th & Jane, Pittsburgh, Pa.
TON-DON carriage & wagon axles—Sheldon Axle & Spring Co., Wilkes-Barre, Pa.
TONFORD truck units—Detroit Truck Co., 815 2nd, Detroit, Mich.
TONK piano benches—Tonk Mfg. Co., 1912 Lewis av, Chicago, Ill.
TONSORIAL gem razors—F. A. Clauberg & Co., 27 Park pl, New York
TOOTHLESS currycombs—Wisconsin Metal Products Co., Racine, Wis.
TOOTS E electric steam signals—C. M. Lovested & Co., 316 1st av, S. Seattle, Wash.
TOOTS E steam whistles—C. M. Lovested & Co., 316 1st av, S. Seattle, Wash.
TOPAZ oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
TOP MILL pig iron—Wheeling Steel & Iron Co., Wheeling, W. Va.
TOPPS framing tools—G. A. Topp & Co., Indianapolis, Ind.
TOPTON pig iron—Empire Steel & Iron Co., Catasauqua, Pa.
TORCH lamp black—L. Martin Co., 81 Fulton, New York
TORMAY engine & machine oilers—Ironsides Co., Columbus, Ohio
TORNADO coal drills—Herzler-Henninger Machine Works, Belleville, Ill.
TORNADO corn & cob mills—Appleton Mfg. Co., Batavia, Ill.
TORNADO ensilage & feed cutters, corn shellers & silos—W. R. Harrison & Co., Massillon, Ohio
TORNADO hand blowers—Geo. S. Comstock & Son, Mechanicsburg, Pa.
TORNADO hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
TORNADO insect guns—Thos. W. Houchin Co., 36 E. 12th, New York
TORNADO pneumatic tool hose—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
TORNADO spray pumps, tire air pumps—Judd-Leland Mfg. Co., Clifton Springs, N. Y.
TORNADO tube cleaners—Paul B. Huyette Co., 5 S. 18th, Phila., Pa.
TORNADO wood split pulleys—Erie Clutch & Pulley Co., Erie, Pa.
TORNQUIST electric protectors—Trio Mfg. Co., Rock Island, Ill.
TOROID lenses—Genesee Optical Co., Rochester, N. Y.
TORPEDO baby drills—Rix Compressed Air & Drill Co., 505 Howard, San Francisco, Cal.
TORPEDO neck yokes—Reno Mfg. Co., Erie, Pa.
TORPEDO packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
TORPEDO tube cleaners—General Specialty Co., Buffalo, N. Y.
TORREY rod springs—Columbian Hardware Co., Cleveland, Ohio
TORRID gasoline blast furnaces, blow torches, fire pots—Geo. W. Diener Mfg. Co., 400 Monticello av, Chicago, Ill.
TORRID steam heaters—W. H. Drake Co., 36 Clinton, Newark, N. J.
TORRID ZONE hot air furnaces—Lennox Furnace Co., Marshalltown, Ia.
TORRINGTON carpet sweepers & electric vacuum cleaners—National Sweeper Division of the Torrington Co., Torrington, Conn.
TORRINGTON talking machine needles—Torrington Co., The Excelsior Plant, successor to Excelsior Needle Co., Torrington, Conn.
TORSION assay balances, testing scales—Torsion Balance Co., 92 Reade, New York
TORSION lock-nut plates, iron & steel washers—Torsion Nut Lock & Washer Co., Inc., Central, Boston, Mass.
TORTOISE rubber hose—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
TOSCANI CHEROOT cigar machinery—American Machine & Foundry Co., 5520 2nd av, Brooklyn, N. Y.
TOT scrubbing brushes—Standard Brush Co., New Hartford, Conn.
TOTAL eclipse hydrants—John C. Kupferle Foundry Co., 1st & Wright, St. Louis, Mo.



TOUT welding torches—St. Paul Welding & Mfg. Co., 173 W. 3rd, St. Paul, Minn.
TOWER bean cultivators, walking & riding cultivators—J. D. Tower & Sons Co., Mendota, Ill.
TOWER car couplers—National Malleable Castings Co., 7706 Platt av, S. E., Cleveland, Ohio
TOWER electric cable hangers—Krantz Mfg. Co., 160 7th, Brooklyn, N. Y.
TOWER gang saw edgers, lumber trimmers—Gordon Hollow Blast Grate Co., Greenville, Mich.
TOWER paint—Driscoll Bros. & Co., Ithaca, N. Y.
TOWER rubber hose—Republic Rubber Co., Youngstown, Ohio
TOWERS pipe & nut wrenches, screw drivers—Union Hardware Co., Torrington, Conn.
TOWERS potato planters—Towers & Sullivan Mfg. Co., Rome, Ga.
TOWN & COUNTRY ready mixed paints—du Pont E. I. de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
TOWNSEND sewer traps—Townsend Foundry & Machine Shop Co., Albany, N. Y.
TOWNSEND wood screw machinery—H. P. Townsend Mfg. Co., Hartford, Conn.
TOWNSEND'S lawn mowers, oil & grease guns—S. P. Townsend & Co., Orange, N. J.
TOWN TALK metal washboards—National Washboard Co., 72 W. Adams, Chicago, Ill.
TOXEMONT waterproofing materials—Toch Bros., 320 5th av, New York
TRAFILOG time recorders—Brown Trafilog Co., 6911 Carnegie av, S. E., Cleveland, Ohio
TRAHER belt dressing—Viscol Co., Cambridge, Mass.
TRAHERN pumping jacks—Trahern Pump Co., Rockford, Ill.
TRAILMOBILE automobile truck trailers—Trailmobile Co., 5th & Culvert, Cincinnati, Ohio
TRANE vacuum heating—Vacuum Heating Co., Heed bldg, Phila., Pa.
TRANSIL oils — General Electric Co., Schenectady, N. Y.
TRANSIT split switches—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
TRANSIT pumps & engines—National Transit Pump & Machine Co., Oil City, Pa.
TRANSOM draft gear—Commonwealth Steel Co., St. Louis, Mo.
TRANSPARENT floor finish—Murphy Varnish Co., 224 McWhorter, Newark, N. J.
TRANSPARENT WATERPROOFING brick paints—Glidden Co., Madison av & Berea rd, Cleveland, O.
TRANSVEYOR elevating trucks—Cowan Truck Co., Holyoke, Mass.
TRANTER air compressors—Tranter Mfg. Co., 105 Water, Pittsburgh, Pa.
TRAVELIGHT traveling bags—Travelight Mfg. Co., 237 Lawrence, Phila., Pa.
TRAVIS glass bottles—Travis Glass Co., Clarksburg, W. Va.
TRAX-YUN antiskid chains—Cleveland Chain & Mfg. Co., Penn. R. R. & Henry, Cleveland, Ohio
TREAD-AIR rubber heels—Foster Rubber Co., 105 Federal, Boston, Mass.
TREAD-KILL industrial & portable railways—M. H. Treadwell Co., 208 S. La Salle, Chicago, Ill.
TREADWELL rubber heels—Atlantic Mfg. Co., Wilmington, Del.
TREADWELL shaking grates—M. H. Treadwell Co., 140 Cedar, New York
TREASURE safety pins—Oakville Co., Waterbury, Conn.
TREASURY blotting paper—Jos. Parker & Son Co., New Haven, Conn.
TRECO automobile horns—Russell Electric Co., Danbury, Conn.
TRECTOR undercoater—Patton Paint Co., Milwaukee, Wis.
TREE BRAND cutlery—Boker Cutlery & Hardware Co., Inc., 101 Duane, New York
TREMAIN steam stamps—Allis-Chalmers Mfg. Co., Milwaukee, Wis.
TREMAINE natural gas burners—T. H. Jamison, Claysville, Pa.
TREMONT electric lamp hoods—National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
TREMONT hot water radiators—Gurney Heater Mfg. Co., 188 Franklin, Boston, Mass.
TREMONT oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
TRENTON anvils—Columbus Forge & Iron Co., Columbus, Ohio
TRENTON boiler couplings, wash tray plugs—Trenton Brass & Machine Co., Trenton, N. J.
TRENTON grass hooks & shears—Boker Cutlery & Hardware Co., 101 Duane, New York
TRENTON trolley wagons—J. R. McCardell & Co., Trenton, N. J.

TRIANGLE carbon paper—H. M. Storms Co., 11 Vandewater, New York
TRIANGLE laundry starch—Corn Products Refining Co., 17 Battery pl, New York
TRIANGLE lubricating oils & greases—Ohio Grease Co., Loudonville, Ohio
TRIANGLE matches—Budde & Westerman, 7th av & 39th, New York
TRI-ANGLE poultry fountains, poultry coops—Tri-Angle Mfg. Co., Freeport, Ill.
TRIANGLE B case hardening & carbonizing compounds, zinc, salts—C. G. Buchanan Chemical Co., 4650 Baker av, Cincinnati, Ohio
TRIANGULATE steel poles—Franklin Steel Works, Franklin, Pa.
TRI BELLE riding drills, listers—Moline Plow Co., Moline, Ill.
TRI-BISC pump valves—J. C. Edgecumbe & Co., 149 B'way, New York
TRIBLOC chain hoists—Ford Chain Block & Mfg. Co., 2d & Diamond, Phila., Pa.
TRIBUNE packing—Continental Rubber Works, Erie, Pa.
TRI-COAT cable insulation — General Electric Co., Schenectady, N. Y.
TRI-CO UNIVERSAL rain rubber window cleaning appliances—Tri-Continental Corp., 2665 Main, Buffalo, N. Y.
TRICYCLE riding listers—Rock Island Plow Co., Rock Island, Ill.
TRIDENT anvil vises, dredge chains, drill machines, guy clamps—Newhall Chain, Forge & Iron Co., 89 West, New York
TRIDENT conduit wiring rods—Diamond Expansion Bolt Co., 89 West, New York
TRIDENT engine lubricators—Wm. Powell Co., Cincinnati, Ohio
TRIDENT water meters—Neptune Meter Co., 50 E. 42d, New York
TRIDENT-CREST water-cart meters—Neptune Meter Co., 50 E. 42d, New York
TRIEDER binoculars—C. P. Goertz American Optical Co., 317 E. 34th, New York
TRILBY airtight stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
TRILBY shoe blacking & polishes—Everett & Barron Co., 359 Eddy, Providence, R. I.
TRILL steam engine indicators, planimeters—Trill Indicator Co., Corry, Pa.
TRIMALITE architectural varnishes—Keystone Varnish Co., 71 Otsego, Brooklyn, N. Y.
TRIMO wrenches, pipe cutters—Trimont Mfg. Co., 55 Amory, Roxbury, Boston, Mass.
TRIMOUNT air compressors, pumps—Trimount Rotary Power Co., 1343 Columbus av, Boston, Mass.
TRIMOUNT belting, cotton & rubber hose, sheet packing—Boston Belting Corp., 84 Linden Park, Boston, Mass.
TRINIDAD asphalt cements, road binders & preservatives—Barber Asphalt Paving Co., Land Title bldg, Phila., Pa.
TRINITY belting—Combination Rubber Mfg. Co., Bloomfield, N. J.
TRINITY cement—Trinity Portland Cement Co., Dallas, Tex.
TRINITY lavatories & fittings—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
TRI-ODIN natural gas burners—Odin Stove Mfg. Co., Erie, Pa.
TRIPART metal fishing reels—General Phonograph Corp., 25 W. 45th, New York
TRIPARTITE steel poles—Franklin Steel Works, Franklin, Pa.
TRIPLE spark plugs—Superior Motor Specialty Co., 44 N. 4th, Phila., Pa.
TRIPLE A. floor surfacing machines—Triple "A" Machine Co., 4125 Ravenswood av, Chicago, Ill.
TRIPLE CLUTCH animal traps—Triumph Trap Co., Inc., Oneida, N. Y.
TRIPLE heat electric sad irons—Waage Electric Co., 12 S. Jefferson, Chicago, Ill.
TRIPLE PETTICOAT glass insulators—Hemingray Glass Co., Covington, Ky.
TRIPLE sheet pure gum packing—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
TRIPLE TAPE safety fuse—du Pont de Nemours & Co., E. I., Wilmington, Del.
TRIPLEX bath tub seats—Triplex Bath Tub Chair Mfg. Co., Scranton, Pa.
TRIPLEXD gasoline oil paint-spray filling station, flexible metal lined hose—Metal Hose & Tubing Co., 252 Tillary, Brooklyn, N. Y.
TRIPLEX oil gauges—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
TRIPLEX power pumps—Pratt & Cody Co., Inc., Hartford, Conn.
TRIPLEX spring hinges—Chicago Spring Butt Co., 1500 Carroll av, Chicago, Ill.
TRIPLEX tire air pumps—Judd & Leland Mfg. Co., Clifton Springs, N. Y.
TRIPLEXOGRAPH registers — Hainer Bookkeeping Co., 45 Williard av, Providence, R. I.
TRIPOLI buffing compositions—Hill & Griffith Co., 1248 State av, Cincinnati, O.
TRIPOLI FLOUR buffing compositions—American Tripoli Co., Seneca, Mo.
TRIPP packing—Wm. B. Merrill & Co., Jamaica Plain, Boston, Mass.
TRIPURES copper stills, feed water heaters, evaporators, sterilizing apparatus, welded tanks—Standard Water Systems Co., Hampton, N. J.
TRISALYT nickel salts—Roessler & Hasslacher Chemical Co., 709 6th av, New York
TRITON belting—Norwich Belt Mfg. Co., Norwich, Conn.
TRITON hot water radiators—U. S. Radiator Corp., 133 E. Grand River, Detroit, Mich.
TRITON insulated wire—Atlantic Insulated Wire & Cable Co., Stamford, Conn.
TRITON ATLANTIC rubber covered wire—Atlantic Insulated Wire & Cable Co., Stamford, Conn.
TRITONE automobile whistles—Sibley & Pitman, Electrical Corp., 190 6th av, New York
TRITONE whistles—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
TRIUMPH animal traps—Triumph Trap Co., Oneida, N. Y.
TRIUMPH apple paring machines—Boutell Mfg. Co., Rochester, N. Y.
TRIUMPH ash sifters, wire cloth—Success Mfg. Co., Gloucester, Mass.
TRIUMPH auto stools—Bryan Novelty Mfg. Co., Bryan, Ohio
TRIUMPH ball cocks, ale pumps & water lifts—Ohio Pump & Brass Co., Columbus, Ohio
TRIUMPH bridle bits—Fernald Mfg. Co., North East, Pa.
TRIUMPH cider mills—Geo. S. Comstock & Son, Mechanicsburg, Pa.
TRIUMPH clippers—Coates Clipper Mfg. Co., Worcester, Mass.
TRIUMPH clothes wringers—American Ironing Machine Co., 166 N. Michigan, Chicago, Ill.
TRIUMPH coil chains—Bridgeport Chain Co., Bridgeport, Conn.
TRIUMPH cork pullers—Arcade Mfg. Co., Freeport, Ill.
TRIUMPH crushers, screens, mills, feeders, dryers, etc.—C. O. Bartlett & Snow Co., French, Cleveland, Ohio
TRIUMPH dough dividing & mixing machines—Triumph Mfg. Co., Cincinnati, Ohio
TRIUMPH electric elevator motors—Triumph Electric Co., Oakley, Cincinnati, Ohio
TRIUMPH engine indicators—Trill Indicator Co., Corry, Pa.
TRIUMPH ensilage cutters—Lyon Iron Works, Greene, N. Y.
TRIUMPH exhaust heads & steam separators—Steam Appliance Co., 63rd av & N. Burnham, Milwaukee, Wis.
TRIUMPH feed cutters—Mountville Mfg. Co., Mountville, Pa.
TRIUMPH fruit jar wrenches—Benj. P. Forbes, 409 Superior av, Cleveland, Ohio
TRIUMPH fuel level indicators—Boston Auto Gage Co., S Waltham, Boston, Mass.
TRIUMPH gas engines—Root & Vandervoort Engineering Co., East Moline, Ill.
TRIUMPH hand carts—Swartwout Mfg. Co., Clinton, N. Y.
TRIUMPH hand corn planters—James Mfg. Co., Ft. Atkinson, Wis.
TRIUMPH harness snaps—Covert Saddlery Works, Interlaken, N. Y.
TRIUMPH harrows—Reed Fdry. & Mach. Co., Kalamazoo, Mich.
TRIUMPH hay tedders—Thomas Mfg. Co., Springfield, Ohio
TRIUMPH heating stove—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
TRIUMPH lawn sprinklers—Hardware Supply Co., Grand Rapids, Mich.
TRIUMPH liquid soap—Thos. B. Robertson Products Co., 700 W. Division, Chicago, Ill.
TRIUMPH milk bottle holders—Parker Wire Goods Co., Worcester, Mass.
TRIUMPH packing—Goetze Gasket & Packing Co., New Brunswick, N. J.
TRIUMPH paper hanger trimmers—A. Allen & Co., 2001 Carpenter, Phila., Pa.
TRIUMPH refrigerators—Challenge Refrigerator Co., Grand Haven, Mich.

TRIUMPH road scrapers—American Steel Scraper Co., Sidney, Ohio
TRIUMPH sash operating device—Payson Mfg. Co., 2918 W. Jackson blvd, Chicago, Ill.
TRIUMPH saw sets—Hy. Disston & Sons, Tacony, Phila., Pa.
TRIUMPH ship & deck pumps—Deming Co., Salem, O.
TRIUMPH spark plugs—A. R. Mosler & Co., Mt. Vernon, N. Y.
TRIUMPH sugar centrifugals—Blymyer Iron Works Co., Cincinnati, Ohio
TRIUMPH tea filters—Hamblin & Russell Mfg. Co., Worcester, Mass.
TRIUMPH tobacco counter cutters—Griswold Mfg. Co., Erie, Pa.
TRIUMPHATOR calculating machines—Triumphator Calculating Machine Co., 81 New, New York
TRIUMPH SERIES steam heaters—Craig-Reynolds Foundry Co., Dayton, Ohio
TRI-WHEELER riding listers—St. Joseph Plow Co., St. Joseph, Mo.
TROEGERLITH composition flooring—Cheney & Co., Inc., 134 W. 18th, New York
TROIKE automobile muffiers—Troike Muffier & Mfg. Co., Loraine, Ohio
TROJAN belt dressing—Barnum Bros. Co., Troy, N. Y.
TROJAN box straps—DeHaven Mfg. Co., 50 Columbia Hgts, Brooklyn, N. Y.
TROJAN cordage & twine—St. Louis Cordage Mills, 1715 S. 11th, St. Louis, Mo.
TROJAN files—Troy File Works, Troy, N. Y.
TROJAN glass cutters—J. E. Miller & Co., 330 W. Kinzie, Chicago, Ill.
TROJAN harness snaps—Covert Mfg. Co., Troy, N. Y.
TROJAN lawn canopies—Troy Carriage Sun Shade Co., Troy, Ohio
TROJAN lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
TROJAN locomotive bell ringers, metallic packing, valve grinding compounds—H. G. Hammett, Troy, N. Y.
TROJAN lubricators—Wm. Powell Co., Cincinnati, Ohio
TROJAN mop sticks & holders—Arcade Mfg. & Engine Co., Freeport, Ill.
TROJAN mop sticks & holders—Parks & Parks, Troy, N. Y.
TROJAN mop sticks & holders—Stover Mfg. Co., Freeport, Ill.
TROJAN powder—Pennsylvania Trojan Powder Co., Allentown, Pa.
TROJAN pressure regulators, valves—Ross Valve Mfg. Co., 9 Oakwood av, Troy, N. Y.
TROJAN steam heaters—Aird-Don Co., Troy, N. Y.
TROJAN sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
TROKAL floor finish—Eugene E. Nice, 272 S. 2nd, Phila., Pa.
TROMBLEE-PAUL rotary sulphur burners—Glens Falls Mach. Wks., Glens Falls, N. Y.
TROMBONE extension clothing carriers—Knape & Vogt Mfg. Co., Grand Rapids, Mich.
TROMBONE shower bath—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
TROMMELL mining screens—Galena Iron Works Corp., Galena, Ill.
TROPHY oil & grease cups—D. T. Williams Valve Co., Cincinnati, Ohio
TROPICAL RUBBER roofing paints—Tropical Paint & Oil Co., W. 70th, Cleveland, Ohio
TROPICAL waterproofing paint—Tropical Paint & Oil Co., W. 70th, Cleveland, Ohio
TROTTERS commutator compounds—Jas. Goldmark Co., 83 Warren, New York
TROUT rubber lined cotton hose—Goodyear Rubber Co., 539 Mission, San Francisco, Cal.
TROUT'S steam feed valves—Lufkin Foundry & Machine Co., Lufkin, Tex.
TROY automobile wind shields—Troy Carriage Sunshade Co., Troy, Ohio
TROY wagons—Troy Wagon Works Co., 100 E. Race, Troy, Ohio
TROY LADIES' PRIDE sad irons—Wrightsville Hardware Co., Wrightsville, Pa.
TROUGH CON canvas belting—Victor Balata & Textile Belting Co., 38 Murray, New York
TRUCKFORD truck units—Robinson Machine Co., 584 Franklin, Detroit, Mich.
TRUCKMOBILE truck units—Cole Truckmobile Co., 408 Laflin, Chicago, Ill.
TRUE baking enamels—P. A. Mets Paint Co., 769 Clinton, Buffalo N. Y.
TRUE mitre boxes—Nicholls Mfg. Co., Ottumwa, Ia.
TRUE BLUE cultivators—Blount Plow Works, Evansville, Ind.



TRUE BLUE stocks & dies—J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
TRUE OAK belting—Smyth-Despard Co., Utica, N. Y.
TRUESTYLE steel ranges—Wisconsin Fdry. & Steel Works, Cedar Grove, Wis.
TRUE TEMPER hand forks, hoes, rakes & hooks—American Fork & Hoe Co., Swetland bldg, Cleveland, Ohio
TRUFFAULT-HARTFORD shock absorbers—Hartford Suspension Co., 141 Morgan, Jersey City, N. J.
TRUMBULL knife switches, light switchboards—Trumbull Electric Mfg. Co., Plainville, Conn.
TRUMP bag holders—Trumpfheller Mfg. Corp., 447 Ellicott sq, Buffalo, N. Y.
TRUMP conductors' ticket punches—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
TRUMPET metal polish—Borsum Bros., 227 Fulton, New York
TRUSCON bldg products—Truscon Steel Co., Youngstown, Ohio
TRUSTY gasoline strainers—Lunkenheimer Co., Beckman & Waverly, Cincinnati, Ohio
TRUSTY screwdrivers—Bridgeport Hdwe. Mfg. Corp., Bridgeport, Conn.
TRY ME ball cocks—Try-Me Mfg. Co., Springfield, Mass.
TRY ME ball cocks—Try-Me Mfg. Co., Westfield, Mass.
TRYON baseballs, baseball gloves—Edw. K. Tryon Co., 611 Market, Phila., Pa.
TUBAL manganese bronze ingots, manganese phosphor rods, pump rods—Paul S. Reeves & Co., 1415 Catherine, Phila., Pa.
TUBULAR potato planters—Potato Implement Co., Traverse City, Mich.
TUBULAR shower bath—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
TUCK packing—Schultz Patent Rubber Co., Phila., Pa.
TUCKAHOE toggles—U. S. Expansion Bolt Co., 25 Elin, New York
TUCKER casters—Tucker & Dorsey Mfg. Co., Indianapolis, Ind.
TUCKER grease traps—J. L. Mott Iron Works, Trenton, N. J.
TUCKER oil hole covers & cups—W. W. & C. F. Tucker, Hartford, Conn.
TUCKS packing—New York Belting & Packing Co., 91 Chambers, New York
TUCKS packing—Crandall Packing Co., Palmyra, N. Y.
TUCK'S tobacco counter cutters—Wm. Schollhorn Co., New Haven, Conn.
TUDOR water closets—Jas. Barrett Mfg. Co., 117 Pearl, Boston, Mass.
TUDOR ACCUMULATOR storage batteries—Electric Storage Battery Co., 19th & Allegheny av, Philadelphia, Pa.
TUEBOR fire hose—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
TUEC vacuum cleaners—United Electric Co., Canton, Ohio
TUERK exhaust fans, water motors—Hunter Fan & Motor Co., Fulton, N. Y.
TUF-TEX burlaps—Lehon Co., 4451 S. Oakley av, Chicago, Ill.
TUFTEX automobile transmission lining, solid woven belting—Empire Weaving & Belting Co., East Rochester, N. Y.
TULIP fruit jar rubbers—Empire Tire & Rubber Corp., Trenton, N. J.
TULLE lubricating oils & greases—Universal Lubricating Co., Schofield bldg, Cleveland, Ohio
TUMBLER egg & cream beaters—Taplin Mfg. Co., New Britain, Conn.
TUNGAR battery charges—General Electric Co., Schenectady, N. Y.
TUNGARD harness buckles—North & Judd Mfg. Co., New Britain, Conn.
TUNGSTEN spark plugs—Tungsten Mfg. Co., Marshalltown, Iowa.
TUNIS lavatories & fittings—James Barrett Mfg. Co., 117 Pearl, Boston, Mass.
TUPPER grate bars—Daugherty Foundry Co., Allentown, Pa.
TUPPER grate bars—Edw. Sellers, Lewisburg, Pa.
TUPPER grate bars—Valley Iron Works, Williamsport, Pa.
TUPPER shaking grates—Chas. Robson & Co., 8th & Washington av, Philadelphia, Pa.
TURBINE egg & cream beaters—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
TURBINE lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
TURBO humidifier apparatus—G. M. Parks Co., Fitchburg, Mass.

TURBOIL lubricating oils—Scrymser Co., 80 South, New York
TUR-MIN-TINE mineral turpentine—Waverly Oil Works Co., Pittsburgh, Pa.
TURN BRAND pruning shears—Graef & Schmidt, 107 Chambers, N. Y.
TURNBULL wagons, wagon dump boxes—Turnbull Motor Truck & Wagon Co., Defiance, Ohio
TURNBULL'S spring counter scales—Landers, Frary & Clark, New Britain, Conn.
TURNER DRAG LINE ditching machines—United Iron Wks., Inc., Kansas City, Mo.
TURNER drawer slides—Grant Pulley & Hardware Co., 101 Park av, New York
TURNER interior telephones—National Dictagraph Co., 220 W. 42nd, New York
TURNER leather belt machines, presses, etc.—Turner Tanning Mach'y Co., Peabody, Mass.
TURNER low water alarms, safety water columns—Binghamton Machine Works, Binghamton, N. Y.
TURNER oil filters, lubricating oil storage tanks—Turner Oil Filter Co., Niles, Mich.
TURNER roller covering machines—J. S. Turner Mfg. Co., Lowell, Mass.
TURNER shock absorbers, tire air pumps—Turner Brass Works, Sycamore, Ill.
TURNER-TURRET vertical boring & chucking machines—Turner Machine Co., Danbury, Conn.
TURNLOW gas soldering furnaces—Chicago Hardware Foundry Co., 544 W. Washington, N. Chicago, Ill.
TURNMORE adjustable wrenches—Anderson Wrench Co., Portland, Conn.
TURPOLENE turpentine substitute—Climax Western Oil Co., Minneapolis, Minn.
TURPSENE turpentine substitute—Turpsene Mfg. Co., 1901 Callowhill, Philadelphia, Pa.
TURPSOID turpentine substitute—Geo. H. Garnet Co., Allentown, Pa.
TURPYNE wood turpentine—Georgia Pine Turpentine Co. of N. Y., 158 Perry, New York
TURQUOISE kitchen enameled ware—Columbian Enameling & Stamping Co., Terre Haute, Ind.
TURTLE belt fasteners—Flexible Steel Lacing Co., 522 S. Clinton, Chicago, Ill.
TURTLE match safes—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
TURXO packing—New York Belting & Packing Co., 91 Chambers, New York
TURZ-LITE gasoline arc lamps, sad irons—Tures Mfg. Co., Milwaukee, Wis.
TUSCALOOSA pig iron—Central Iron & Coal Co., 90 West, New York
TUSCAN cotton softeners—Harding & Fancourt, 516 S. Delaware av, Philadelphia, Pa.
TUSCORA kitchen enameled ware—Belmont Stamping & Enameling Co., New Phila., Ohio
TUSCORA molding sand—Tuscora Sand & Coal Co., 719 Prospect, Hippodrome bldg, Cleveland, Ohio
TUTHILL water wheels—United Iron Works, Oakland, Cal.
TUTTLE tapping machines—Evans Stamping & Plating Co., Taunton, Mass.
TUXEDO cooking range—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
TUXEDO swing joints & unions—Williams-Franklin, Inc., 37 Cortlandt, New York
TUXEDO card tables—E. T. Burrowes Co., Portland, Me.
TUXEDO electric lamp hoods—National Metal Stamping & Mfg. Co., 494 Mulberry, Newark, N. J.
TUXEDO lawn mowers—Chadborn & Coldwell Co., Newburgh, N. Y.
TUXEDO unions—Franklin Williams, Inc., 39 Cortlandt, New York
TUYERE grate bars—Gordon Hollow Blast Grate Co., Greenville, Mich.
TWELVE electric vacuum cleaners—Hurley Machine Co., Cicero, Chicago, Ill.
12-IN-1 combination tools—Harrah Mfg. Co., Bloomfield, Ind.
TWELVE MULE TEAM gasoline engines—Associated Mfrs. Co., Waterloo, Iowa
20TH CENTURY balancing tools—Rockford Tool Co., Rockford, Ill.
20TH CENTURY barn door hangers—Hunt, Helm, Ferris & Co., Harvard, Ill.
20TH CENTURY bath tub seats—U. S. Sanitary Mfg. Co., Arot bldg., Pittsburgh, Pa.
20TH CENTURY bed casters—Keystone Friction Hinge Co., Williamsport, Pa.
20TH CENTURY belt dressing—Bayerson Oil Works, Erie, Pa.
20TH CENTURY belt lacing, sewing machine & oval pointed hooks, steel belt lacing studs—Manufacturers Belt Hook Co., 1321 W. Congress, Chicago, Ill.
TWENTIETH CENTURY boring tools—Wellman Co., Medford, Mass.
20TH CENTURY can & bag carriers—Wirt & Knox Mfg. Co., 23d & York, Phila., Pa.
20TH CENTURY can openers—Knickerbocker Mfg. Co., Belleville, N. J.
20TH CENTURY children's vehicles—Kirk-Latty Mfg. Co., 1971 W. 85th, Cleveland, Ohio
20TH CENTURY collar shaping machines—Wm. A. Zeidler Co., 163rd & Melrose av, New York
20TH CENTURY concrete mixers—Twentieth Century Mixer Co., Connorsville, Ind.
TWENTIETH CENTURY drill chucks—Standard Machinery Co., Mystic, Conn.
20TH CENTURY drinking fountains—M. & H. Foundry & Mfg. Co., Belleville, Ill.
20TH CENTURY forge blowers—Champion Tool Co., Meadville, Pa.
20TH CENTURY fruit evaporators—Munnsville Plow Co., Munnsville, N Y
20TH CENTURY gas engines—New York Yacht, Launch & Engine Co., Morris Heights, New York
TWENTIETH CENTURY gas machines, gas producers—C. M. Kemp Mfg. Co., 401 E. Oliver, Baltimore, Md.
20TH CENTURY graders & snow plows—Baker Mfg. Co., Springfield, Ill.
20TH CENTURY hinge mfrs.—Keystone Friction Hinge Co., Williamsport, Pa.
20TH CENTURY ice skates, roller skates—Kohler Die & Specialty Co., De Kalb, Ill.
20TH CENTURY linoleum cements—L. W. Ferdinand & Co., 154 Kneeland, Boston, Mass.
20TH CENTURY lunch boxes—Reading Saddle & Mfg. Co., Reading, Pa.
20TH CENTURY milk can washing machines—Oakes & Burger Co., Cattaraugus, N. Y.
20TH CENTURY nut crackers & picks—Gray Iron Foundry Co., Reading, Pa.
20TH CENTURY packing—American Steam Packing Co., 165 High, Boston, Mass.
20TH CENTURY packing—Martell Packings Co., Inc., The, Elyria, Ohio
20TH CENTURY pipe vises—Prentiss Vise Co., 110 Lafayette, New York
20TH CENTURY rug exhibitors—Consolidated Carpet Sewing Machine Co., Bridgeport, Conn.
TWENTIETH CENTURY spark timers—Powell Muffler & Timer Co., Utica, N. Y.
20TH CENTURY steam engine, indicators, tube cleaners—Richard Thompson & Co., 126 Liberty, New York
20TH CENTURY store stools—Bryan Novelty Mfg. Co., Bryan, Ohio
TWENTIETH CENTURY tank heaters—Butler Co., Butler, Ind.
20TH CENTURY tire protectors—20th Century Tire Protector Co., Midlothian, Tex.
20TH CENTURY vegetable oil soap—Theo. B. Robertson Products Co., Inc., 700 W. Division, Chicago, Ill.
20TH CENTURY windmill pumps—Humphryes Mfg. Co., Mansfield, Ohio
20TH CENTURY TANGYE ice & refrigerating machines—Triumph Ice Machine Co., Oakley, Cincinnati, Ohio
TWENTY-FIRST CENTURY valve bags—Valve Bag Co. of America, Toledo, Ohio
23 POLISH—Mutual Auto Accessories Co. of America, 1777 B'way, New York
23-SKIDDO paint & varnish remover—Keystone Varnish Co., 71 Otsego, Brooklyn, N. Y.
22 HI-POWER ammunition—Savage Arms Corp., Utica, N. Y.
26 KARAT cordage & twine—American Mills Co., Atlanta, Ga.
TWIN cultivators—J. I. Case Plow Works, Racine, Wis.
TWIN BRAND ink erasers—Graef & Schmidt, 107 Chambers, New York
TWIN jacks—Weaver Mfg. Co., Springfield, Ill.
TWIN receptacles—General Electric Co., Schenectady, N. Y.
TWIN wall ties—Hunt Metal Corner Co., Westboro, Mass.
TWIN CITY engines, derricks, hoists—Minneapolis Steel & Machinery Co., 2854 Minnehaha av, Minneapolis, Minn.
TWIN GRIP paper fasteners—De Long Hook & Eye Co., 21st & Clearfield, Phila., Pa.
TWINITY snap fasteners—Federal Snap Fastener Corp., 27 W. 31st, New York

TWINLINE roller bearings for factory power transmission, machines, etc.—Makritchan Roller Bearing Co., Joliet, Ill.
TWINPLEX safety razor stroppers—Twinplex Sales Co., 1602 Locust, St. Louis, Mo.
TWINRO roller bearings for automobiles, tractors, machines, etc., Makutchan Roller Bearing Co., Joliet, Ill.
TWINROLD box strapping—Stanley Works, New Britain, Conn.
TWIN-TACT spark plugs — Superior Motor Power Co., 135 5th av, New York
TWINTILE motor cloth—Boston Woven Hose & Rubber Co., Cambridge, Mass.
TWINVOLUTE pumps—Twinvolute Pump & Mfg. Co., 55 William, New York
TWITCHELL tire pressure gauges—Twitchell Gauge Co., Chicago, Ill.
TWO CELL electric lanterns—Hytees' Factories, Inc., Indianapolis, Ind.
TWO IN ONE air gauges—Precision Instrument Co., 21 Halsey, Newark, N. J.
2 IN 1 engine lathes—J. J. McCabe Lathe & Machy. Corp., 149 B'way, New York
2 IN 1 hose rack—Chas. Nuhring & Bros., 1212 Walnut, Cincinnati, Ohio
2 IN 1 polish—F. F. Dalley Co., Buffalo, N. Y.
2-IN-1 spark plug wrenches—Chas. Miller, Syracuse, N. Y.
TWO-IN-ONE toe calk welding dies—Cleveland Shaft Spring Co., Cleveland, Ohio
TWOPLEX demijohns—Fred C. White, 241 Water, New York
TWO POINT electric sad irons—Satisfaction Guaranteed Corp., 659 Fulton, Chicago, Ill.
TWO ROW CELL DROP cotton planters—J. I. Case Plow Wks., Racine, Wis.
TWO-WAY plug—Benjamin Electric Mfg. Co., 128 S. Sangamon, Chicago, Ill.
TWO WAY sulky plows—J. I. Case Plow Wks., Racine, Wis.
TWO-WAY wire connectors—Frank Ridlon Co., 251 A, Boston, Mass.
TWYNCONE friction clutch—Link-Belt Co., 329 W. 39th, Chicago, Ill.
TY COBB sporting & athletic goods—W. B. Jarvis Co., Grand Rapids, Mich.
TYCOS instruments—Taylor Instrument Companies, Rochester, N. Y.
TYDEN self-locking seals—International Seal & Lock Co., Hastings, Mich.
TYDOL gasoline—Tidewater Oil Co., 11 B'way, New York
TYLER feed water weighers, steam traps—Tyler Underground Heating System, 855 Progress, Pittsburgh, Pa.
TYLER steam traps—Tyler Underground Heating System, 855 Progress, Pittsburgh, Pa.
TYLER wrought steel window frame—W. S. Tyler Co., Cleveland, Ohio
TYLER'S calf weaners—Wm. E. Pratt Mfg. Co., 35 W. Lake, Cihcago, Ill.
TYPHON clothes washing machines—Richmond Cedar Works, Fulton, Richmond, Va.
TYPHOON double-acting pumps—Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
TYRIAN automobile horn bulbs, inner automobile tubes, rubber-headed tacks, rubber blankets, blowers, bed pans, syringes, bottles, tobacco pouches & bath sprays—Tyer Rubber Co., Andover, Mass.
TYROLEAN electric bells—Electric Goods Mfg. Co., Canton, Mass.
TYRONE automatic sand drums—Roberts & Schaefer Co., 332 S. Michigan av, Chicago, Ill.
TYTE-UNYTE pipe joint cements—J. C. Whitlam Mfg. Co., Wadsworth, Ohio
U concrete reinforcing materials, reinforcing bar benches—Neevel Mfg. Co., Kansas City, Mo.
U packing—Providence Belting Co., 7 Beverly, Providence, R. I.
U packing—Wolverine Leather Goods Co., Jefferson & Case avs, Detroit, Mich.
U-AU-TO axle grease & linseed oil soap—Sinclair Refining Co., Albany, N. Y.
U. C. water coolers—Union Cooperage Co., 2nd & Penrose, St. Louis, Mo.
U. F. CO. cast iron soil pipes—Union Foundry Co., Anniston, Ala.
U. M. clothes washing machines—Coffield Motor Washer Co., Dayton, Ohio
U-NETTES filing cabinets—General Fireproofing Co., Youngstown, Ohio
U-N-O shoe blacking & polishes—Everett & Baron Co., 359 Eddy, Providence, R. I.
U N X L D galvanized laundry tub covers—Greason Mfg. Co., 108 W. 99th, New York



UBBINK curb forms—Joe Ubbink, Port Washington, Wis.
UDELL ironing boards—Udell Works, Indianapolis, Ind.
UEMCO elect. controllers, motor starters & rheostats —Union Elect. Mfg. Co., 110 Reed, Milwaukee, Wis.
UGITE road binders & preservatives—United Gas Improvement Co., Broad & Arch, Phila., Pa.
UHL metallic furniture, adding machine stands—Toledo Metal Furniture Co., Toledo, Ohio
U-KAN-PLATE metal polish—A. R. Justice Co., 607 Chestnut, Phila., Pa.
UKO spark plugs, stove polish—Utility Co., 636 W. 44th, New York
ULCO lead rope, lead wool packing—United Lead Co., 111 Broadway, New York
ULERY tool kits—U. J. Ulery Co., 258 Broadway, New York
ULMER levels & transits—J. C. Ulmer Co., 1791 E. 38th, Cleveland, O.
ULRICH adjustable shadowless tables—Wausau Fixture Co., Wausau, Wis.
ULSTER chair seats—Blair Veneer Co., North Troy, N. Y.
ULSTER kitchen knives—Divine Dwight & Sons, Ellenville, N. Y.
ULSTER staybolt iron—Ulster Iron Works, Dover, N. J.
ULTEX propection lenses—Bausch & Lomb Optical Co., Rochester, N. Y.
ULTIMATE water closets — Jackson Potteries Co., Fulton bldg, Pittsburgh, Pa.
ULTISSIMUS crome steel—Electro Steel Co., Curry bldg, Pittsburgh, Pa.
ULTRA tire air pumps—Stevens & Co., 373 Broadway, New York
ULTRA BLAC automobile varnish—Atlantic Varnish Works, Inc., Richmond, Va.
ULTRA CAPITAL steel—Edgar T. Ward's Sons, 44 Farnsworth, Boston, Mass.
UMAKEM toy outfits—W. R. Price, Inc., 127 5th av, New York
UMPIRE sheet steel wall ties—Church Appliance Mfg. Co., La Salle, Ill.
UNAPAC asbestos packing & water gauge glasses, etc. —United Asbestos & Packing Co., 619-629 Washington blvd, Chicago, Ill.
UNCLE SAM boys' axes—Romer Axe Co., Dunkirk, N. Y.
UNCLE SAM cultivators—Grand Detour Plow Co., Dixon, Ill.
UNCLE SAM grass sheep shears—Geo. E. Gay, Augusta, Me.
UNCLE SAM picture hooks—Forsyth Metal Goods Co., East Aurora, N. Y.
UNCLE SAM riveting machines—A. C. Williams Co., Ravenna, Ohio
UNCLE SAM spring tooth attachments—B. F. Avery & Sons, Louisville, Ky.
UNCLE SAM stove pipe dampers—Sayre Stamping Co., Sayre, Pa.
UNCLE SAM'S portable punches—Whitney Metal Tool Co., Rockford, Ill.
UNDARK radium luminous material—Radium Luminous Material Corp., 58 Pine, New York
UNDERHILL axes—American Axe & Tool Co., Glassport, Pa.
UNDERWOOD bath tubs—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
UNDERWOOD belting—Wm. Sumner Belting Co., Tolland, Conn.
UNDERWOOD self-feeding drills—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
UNDERWRITERS fire door hangers—Stowell Co., S. Milwaukee, Wis.
UNDERWRITERS fire extinguishers—Knight & Thomas, 212 Summer, Boston, Mass.
UNDERWRITERS fire hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
UNDERWRITERS fire hose—Hewitt Rubber Co., Buffalo, N. Y.
U-NEED-A dusters—Dearborn Duster Co., 550 W. Harrison, Chicago, Ill.
UNEEDA ranges—Huenefeld Co., Cincinnati, Ohio
UNEEDIT gas sad irons—Rosenbaum Mfg. Co., 33 Bleecker, New York
UNEQUALED oak flooring—T. Wilce Co., 2209 Throop, Chicago, Ill.
UNIBLADE pulley driven & motor driven blowers & volume blowers—Batterman Truett Co., 736 W. Monroe, Chicago, Ill.
UNICO carbon paper—Union Paper & Twine Co., 125 St. Clair av, N. W. Cleveland, Ohio
UNICUM chair seats—Theo. H. Gary Co., 61 Irving pl, New York
UNIFIC gauge glasses—E. A. Engel & Co., 87 Walker, New York

UNIFONTE brazing compounds—Phillips-Laffitte Co., Penna. bldg., Phila., Pa.
UNILETS conduit fittings—Appleton Electric Co., Wellington & Pauline, Chicago, Ill.
UNI-LITE kerosene oil tubular lanterns — Acorn Brass Mfg. Co., 426 S. Clinton, Chicago, Ill.
UNION air compressors, marines & steam pumps—Union Steam Pump Co., Battle Creek, Mich.
UNION annealing boxes—Union Steel Casting Co., 62nd & Butler, Pittsburgh, Pa.
UNION barn door hangers, barn door rollers, stay rolls—Lawrence Bros., Sterling, Ill.
UNION belting, packing—Voorhees Rubber Mfg. Co., 18 Bostwick, Jersey City, N. J.
UNION carboy rockers—Horace M. McCord & Co., Lumber Exchange, Minneapolis, Minn.
UNION chucks, planes—Union Mfg. Co., New Britain, Conn.
UNION cork board insulation—Union Fibre Co., Inc., Winona, Minn.
UNION electric & enclosed indicating & junction fuses, fuse cut-outs, switch boxes, fusible fire door links—Chicago Fuse Mfg. Co., 1014 W. Congress, Chicago, Ill.
UNION ensilage cutters—Heebner & Sons, Lansdale, Pa.
UNION feed cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
UNION film oil—Union Petroleum Co., Widener bldg, Phila., Pa.
UNION flint paper—American Glue Co., 121 Beverly, Boston, Mass.
UNION frogs, switches & crossings—Morden Frog & Crossing Works, 208 S. La Salle, Chicago, Ill.
UNION gas engines—Union Gas Engine Co., 351 Montgomery, San Francisco, Cal.
UNION grain drills, stalk cutters—Peoria Drill & Seeder Co., Peoria, Ill.
UNION lawn rakes—Union Fork & Hoe Co., Columbus, Ohio
UNION lead pencils & advertising pen holders—Union Pencil Co., 33 Union sq., New York
UNION lemon squeezers—Arcade Mfg. Co., Freeport, Ill.
UNION lubricator valves—Wm. Powell Co., Cincinnati, Ohio
UNION milk cans—Oakes & Burger Co., Cattaraugus, N. Y.
UNION packing—Greene, Tweed & Co., 109 Duane, New York
UNION paper bags—Union Bag & Paper Co., 1968 233 B'way, New York
UNION plasterers' steel beads—Union Metal Corner Co., 18 Heath, Boston, Mass.
UNION porch columns, arc lamp posts—Union Metal Mfg. Co., Canton, Ohio
UNION rail bonds—Union Electric Co., Pittsburgh, Pa.
UNION railway track drills—Pettibone, Mulliken & Co., 140 S. Dearborn, Chicago, Ill.
UNION sand & gravel screens—Union Steel Products Co. (Ltd.), Albion, Mich.
UNION sausage stuffers—Union Machine Works & Iron Foundry, 1825 S. Water, Phila., Pa.
UNION screw drivers—Geo. E. Gay, Augusta, Me.
UNION steam jet blowers—Scranton Pump Co., Scranton, Pa.
UNION stone jacks, chain hoists, boot protectors, trench braces, wire rope clips & contractors' pumps—Jas. H. Channon Mfg. Co., 227 W. Erie, Chicago, Ill.
UNION tool chests—Union Tool Chest Co., Inc., 129 Mill, Rochester, N. Y.
UNION tool grinders—Barcalo Mfg. Co., Buffalo, N. Y.
UNION standard trolley line materials—R. D. Nuttall Co., McCandless & Harrison av, Pittsburgh, Pa.
UNION truck units—Union Truck Mfg. Co., 250 W. 54th, New York
UNION water closets—Pierce, Butler & Pierce Mfg. Corp., 437 E. 162nd, New York
UNION water meters—Union Water Meter Co., Worcester, Mass.
UNION COMPOUNDING VALVE water heaters—Union Water Meter Co., Worcester, Mass.
UNION GIANT corn & cob mills, gasoline engines—Union Foundry & Machine Co., Ottawa, Kans.
UNION, JR. seeders & sowers—Peoria Drill & Seeder Co., Peoria, Ill.
UNION PACIFIC self-feeding drills—Handlan-Buck Mfg. Co., 210-14 N. 3rd. St. Louis, Mo.
UNIPIVOT pyrometers, galvanometers & bridges—Wilson-Maeulen Co., 511 E. 145th, New York
UNIQUE attrition mills—Robinson Mfg. Co., Muncy, Pa.
UNIQUE boiler injectors—Rue Mfg. Co., 228 Cherry, Phila., Pa.
UNIQUE coaster wagons—Sheboygan Coaster & Wagon Works, Sheboygan, Wis.
UNIQUE cover paper—C. H. Dexter & Sons, Windsor Locks, Conn.
UNIQUE heaters—New Milford Foundry & Machine Co., New Milford, Conn.
UNIQUE metallic shingles—Geo. C. Meurer Co., 22 Clay, Brooklyn, N. Y.
UNIQUE nutmeg graters—Hamblin & Russell Mfg. Co., Worcester, Mass.
UNIQUE radiator hot water valves—Honeywell Heating Specialty Co., Wabash, Ind.
UNIQUE toilet paper holders—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
UNIT air drill hose—Hewitt Rubber Co., Buffalo, N. Y.
UNIT concrete reinforcing materials—A. P. Hanson & Son, 1911 Emerson av, Chicago, Ill.
UNIT deep well pumps—Kewanee Private Utilities Co., Kewanee, Ill.
UNIT flushing valves, siamese connections—Murray & Sorenson, 227 W. 17th, New York
UNIT garbage receivers—C. H. Stephenson, Lynn, Mass.
UNIT spirals for concrete columns—American System of Reinforcing, 10 S. La Salle, Chicago, Ill.
UNITAS adding machines—Oscar Muller Co., 32 Broadway, New York
UNITAS sanitary flooring—Embossed Wall Covering Co., 880 N. 48th, Philadelphia, Pa.
UNITAS wall coverings—Embossed Wall Covering Co., 880 N. 48th, Philadelphia, Pa.
UNITED bath fittings & valves—United Brass Mfg. Co., 3844 Hamilton av, Cleveland, Ohio
UNITED centrifugal pumps—United Iron Wks. Co., Kansas City, Mo.
UNITED concrete mixers & electric lighting system—United Engine Co., Lansing, Mich.
UNITED phonograph motors, tone arms & reproducers—United Mfg. & Distributing Co., 536 Lake Shore Drive, Chicago, Ill.
U. S. air brake hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
U. S. ball cocks—Julian d'Este Co., 26 Canal, Boston Mass.
U. S. barn door hangers—Hunt, Helm, Ferris & Co., Harvard, Ill.
U. S. barrows—Sidney Steel Scraper Co., Sidney, Ohio
U. S. belting—Reed & Duecker, Memphis, Tenn.
U. S. block system signals, electric railway signals—United States Electric Signal Co., West Newton, Mass.
U. S. boiler injectors—American Injector Co., Detroit, Mich.
U. S. buffing compositions—U. S. Chemical Co., 3621 Lakeside av, N. E. Cleveland, Ohio
U. S. carbon paper—United States Typewriter Ribbon Mfg. Co., 124 S. 8th, Phila., Pa.
U. S. clinker hooks, porch swings—United States Wire Mat Co., Decatur, Ill.
U. S. clothes pins—U. S. Clothespin Co., Montpelier, Vt.
UNITED STATES clothes washing machines—N. Brown Co., Wapakoneta, Ohio
UNITED STATES cream separators—Vermont Farm Machine Co., Bellows Falls, Vt.
U. S. cook stove evaporators—Edw. B. Fahrney, Waynesboro, Pa.
U. S. dinner pails—Central Stamping Co., 172 Fulton, New York
U. S. door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
U. S. drilling & planing machines—U. S. Mach. Tool Co., Cincinnati, O.
U. S. electrical cloth cutters—U. S. Cloth Cutting Machine Co., 414 W. Broadway, New York
U. S. equalizers—U. S. Pressed Steel Co., Ypsilanti, Mich.
U. S. fire extinguishers—Missouri Lamp & Mfg. Co., 114 Elm, St. Louis, Mo.
U. S. gate valves—Wm. Powell Co., Cincinnati, Ohio
U. S. grain graders—B. S. Coustant Mfg. Co., Bloomington, Ill.
U. S. grapple forks—U. S. Wind Engine & Pump Co., Batavia, Ill.
U. S. guard rail clamps—United States Malleable Iron Co., Toledo, Ohio
U. S. hand corn planters—Wabers Mfg. Co., Racine, Wis.
U. S. horse shoes—United States Horse Shoe Co., Erie, Pa.
U. S. hot air furnaces—Columbus Heating & Ventilating Co., Columbus, Ohio

U. S. hot air registers—U. S. Register Co., Ltd., Battle Creek, Mich.
U. S. ice skates, nail sets—P. Lowentraut Mfg. Co., Newark, N. J.
U. S. IGNITOR ignition batteries—National Carbon Co., Madison av, N. W., & W. 117th, Cleveland, Ohio
U. S. low water alarms, safety water columns—Leopold Steigert, Logan & Elder, Cincinnati, Ohio
U. S. meat & food choppers—Smith & Hemenway Co., 261 B'way, New York
U. S. metal polish—Geo. W. Hoffman Co., 557 E. Washington, Indianapolis, Ind.
U. S. muriate of potash—Utah Salduro Co., Salt Lake City, Utah
U. S. padlocks—Slaymaker Lock Co., Lancaster, Pa.
U. S. planes—Sargent & Co., New Haven, Conn.
U. S. pop safety valves—J. E. Lonergan Co., 211 Race, Philadelphia, Pa.
UNITED STATES rail bonds—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
UNITED STATES rubber belting, water hose, steam hose, suction hose—W. Daller Mfg. Co., 566 W. Lake, Chicago, Ill.
U. S. rubber tires—Morgan & Wright, ft. Bellevue, Detroit, Mich.
U. S. sash cords—Whittier Mills Co., Chattahooche, Ga.
U. S. sleet cutters—R. D. Nuttall Co., McCandless & Harrison av, Pittsburgh, Pa.
U. S. SPIRAL WATERPROOF trolley arc cords—Whittier Mills Co., Chattahoochee, Ga.
U. S. standard babbitt metal—Riverside Metal Refining Co., Connellsville, Pa.
U. S. standard gauges, tank indicators—Quimby Engineering Co., 450 N. 10th, Phila., Pa.
U. S. standard hot pressed nuts—American Equipment Co., Norristown, Pa.
U. S. standard portable saw mills—Geo. S. Comstock & Son, Mechanicsburg, Pa.
U. S. FLEXIBLE steel wire mats—U. S. Wire Mat Co., Decatur, Ill.
U. S. steel corn cribs—Kretchmer Mfg. Co., Council Bluffs, Ia.
UNITED STATES steel piling—Carnegie Steel Co., Carnegie bldg, Pittsburgh, Pa.
UNITED STATES Treasury mucilage, writing inks & paste—Wm. A. Davis Co., 40 Batterymarch, Boston, Mass.
U. S. typewriter ribbons—United States Typewriter Ribbon Mfg. Co., 124 S. 8th, Phila., Pa.
U. S. Wright rubber tires—Morgan & Wright, Detroit, Mich.
U. S. wire fence—Am. Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
U. S. wire poultry netting—Indiana Steel & Wire Co., Muncie, Ind.
U. S. A. felt, buffing & polishing wheels—Eastern Felt Co., Canal, Winchester, Mass.
U. S. A. sliding furniture shoes—Henry W. Peabody & Co., 17 State, New York
U. S. A. ELM CITY babbit metal—United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
U. S. A. HAVABAR babbit metal—United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
U. S. A. LODESTAR babbit metal—United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
U. S. A. LONG LIFE babbit metal—United Smelting & Aluminum Co., Inc., 183-189 Commerce, New Haven, Conn.
U. S. A. SPECIAL babbit metal—United Smelting & Aluminum Co., 183-189 Commerce, New Haven, Conn.
U. S. L. car lighting apparatus, storage batteries—United States Light & Heat Corp., Niagara Falls, N. Y.
U. S. M. C. shoe knife sharpeners, thread lubricators, leather embossing & buttonhole making machines—United Shoe Machinery Co., Boston, Mass.
U. S. S. CO. white arsenic, pig lead, cadmium, etc.—U. S. Smelting, Refining & Mining Co., 120 Broadway, New York
U. S. STANDARD door hangers—Safety Door Hanger Co., Ashland, Ohio
U. S. STANDARD dry batteries—National Carbon Co., Cleveland, Ohio
U. S. STANDARD PUNCHES—I. P. Richards Co., 23 Pemberton, Providence, R. I.
U. & G. belting—United & Globe Rubber Co., Trenton, N. J.



UNITED wrought steel window frame—Trussed Concrete Steel Co., Detroit, Mich.
UNITOOL lifting jacks, etc.—Peerless Tool Co., 218 S. La Salle, Chicago, Ill.
UNI-TRUCK truck units—Stewart Mfg. Co., Waterloo, Ia.
UNITUBE automobile radiators—Unitube Auto. Radiator Corp., Rochester, N. Y.
UNITY insulator pins—Minerallac Electric Co., 1045 Washington blvd, Chicago, Ill.
UNIVERSAL adjustable road drag—Galion Iron Works & Mfg. Co., Galion, Ohio
UNIVERSAL angular bit stocks, hand drill machines—Millers Falls Co., 28 Warren, New York
UNIVERSAL armature & field coil winding machines—P. E. Chapman, 19th & Walnut, St. Louis, Mo.
UNIVERSAL asbestos gloves—Wheeler & Holcomb Co., 1360 Wells, Chicago, Ill.
UNIVERSAL automatic air squeezer—Berkshire Mfg. Co., Whitney Power blk, Cleveland, Ohio
UNIVERSAL automobile bumpers, lamp brackets—L. P. Halladay Co., Streator, Ill.
UNIVERSAL automobile engine starters, electric lighting systems—North East Electric Co., Rochester, N. Y.
UNIVERSAL babbitt metal—Merchants & Evans Co., 2036 Washington av & 21st, Philadelphia, Pa.
UNIVERSAL babbitt metal—More-Jones Brass & Metal Co., Broadway & Dock, St. Louis, Mo.
UNIVERSAL bath room fixtures, cutlery, cooking utensils—Landers, Frary & Clark, New Britain, Conn.
UNIVERSAL belt shifters, pull & countershafts—Builders' Iron Foundry, 9 Codding, Providence, R. I.
UNIVERSAL belting & rubber hose—Boston Belting Corp., 84 Linden Park, Boston, Mass.
UNIVERSAL bibb reamers—C. H. Yonts & Co., Meadville, Pa.
UNIVERSAL bibb seat dressers—Wolverine Brass Works, Grand Rapids, Mich.
UNIVERSAL blue printing machines—Buffalo Blue Print Co., Builders' Exchange, Buffalo, N. Y.
UNIVERSAL boiler injectors—Schutte & Koerting Co., 1251 N. 12th, Philadelphia, Pa.
UNIVERSAL bottle filling machines—Fowler Bottling Machine Co., 124 White, New York
UNIVERSAL box strap—Cary Mfg. Co., Nassau & Jay, Brooklyn, N. Y.
UNIVERSAL bushings—New Process Specialty Co., 230 Hanover, Milwaukee, Wis.
UNIVERSAL cable grips & guy anchors—Universal Cable Grip Co., Skaneateles, N. Y.
UNIVERSAL car trucks—J. G. Brill Co., 62nd & Woodland av, Philadelphia, Pa.
UNIVERSAL car window fixtures, sash locks—McCord Mfg. Co., Detroit, Mich.
UNIVERSAL cast iron pipe, pipe swing & universal joints, range boiler stands—Central Foundry Co., 90 West, New York
UNIVERSAL cement—Universal Portland Cement Co., 208 S. La Salle, Chicago, Ill.
UNIVERSAL cement post machinery—Cement Machinery Co., Jackson, Mich.
UNIVERSAL automatic chucks—Potter & Johnston Machine Co., Pawtucket, R. I.
UNIVERSAL cigar lighters—Adjustable Lighter Assn., Newton, Mass.
UNIVERSAL circular folding machines—American Multigraph Sales Co., 1832 E. 40th, Cleveland, Ohio
UNIVERSAL closet couplings—Hydraulic Specialty Co., 427 Walnut, Philadelphia, Pa.
UNIVERSAL coal crushers—Universal Crusher Co., Cedar Rapids, Ia.
UNIVERSAL compression stops—Peck Bros. & Co., New Haven, Conn.
UNIVERSAL cobblers' outfits, shoe cleaners—Root-Heath Mfg. Co., Plymouth, Pa.
UNIVERSAL corner beads—Rogers-Shear Co., Warren, Pa.
UNIVERSAL cultivators—J. I. Case Plow Works, Racine, Wis.
UNIVERSAL drilling machine vises—Sellew Machine Tool Co., Pawtucket, R. I.
UNIVERSAL dry batteries—Universal Novelty Wks., 164 5th av, New York
UNIVERSAL electric cable hangers—National Telephone Supply Co., 5100 Superior av, Cleveland, O.
UNIVERSAL electric fans—Diehl Mfg. Co., Elizabeth, N. J.
UNIVERSAL electric fans, bench & center grinders, hair cutting machines & electric vibrators—Racine Universal Motor Co., 53 W. Jackson blvd, Chicago, Ill.

UNIVERSAL electric gas lighters — Adjustable Lighter Assn., Newton, Mass.
UNIVERSAL electric lamp brackets—McCrosky Reamer Co., Meadville, Pa.
UNIVERSAL electric wire cord spools—McGill Mfg. Co., 77 Oak, Valparaiso, Ind.
UNIVERSAL emery tool grinder—Gisholt Mach. Co., Madison, Wis.
UNIVERSAL emery wheel guards—Barcy-Nicholson Co., 837 W. Fort, Detroit, Mich.
UNIVERSAL equalizing vice jaws, etc.—Universal Equalizer Co., Opera Place, Cincinnati, Ohio
UNIVERSAL fertilizer distributors—Towers & Sullivan Mfg. Co., Rome, Ga.
UNIVERSAL fishing rod holders—General Phonograph Corp., 25 W. 45th, New York
UNIVERSAL flanging machines—Morgan Engineering Co., Alliance, Ohio
UNIVERSAL floor oilers—Geo. H. Garnet Co., Allentown, Pa.
UNIVERSAL flour sieves—Parker Wire Goods Co., Worcester, Mass.
UNIVERSAL fruit & vegetable parers—Hamblin & Russell Mfg. Co., Worcester, Mass.
UNIVERSAL furniture polish—American Metal Polish Co., West Somerville, Mass.
UNIVERSAL hack saw blades & frames, hack saw machines—West Haven Mfg. Co., West Haven, Conn.
UNIVERSAL hand oil pumps—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
UNIVERSAL heel plates & stiffeners, cobblers' outfit & shoe stands—Fate-Root-Heath Co., Plymouth, Ohio
UNIVERSAL hog fences—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
UNIVERSAL hollow augers—A. A. Wood & Sons Co., Atlanta, Ga.
UNIVERSAL hollow augers—Jas. Swan Co., Seymour, Conn.
UNIVERSAL hook & eyelet setting machines—F. H. Smith Mfg. Co., 3047 Carroll av, Chicago, Ill.
UNIVERSAL hose nozzles—L. R. Nelson, Peoria, Ill.
UNIVERSAL hydraulic jacks—Richard Dudgeon, 24 Columbia, New York
UNIVERSAL incandescent gas burners—Welsbach Co., 1008 Filbert, Philadelphia, Pa.
UNIVERSAL index centers—Fred C. Dickow, 3504 W. Lake, Chicago, Ill.
UNIVERSAL insulated connectors—R. S. Mueller & Co., 423 High av, S. E., Cleveland, Ohio
UNIVERSAL insulator clamps, insulator supports—Steel City Electric Co., 1207 Columbus av, Pittsburgh, Pa.
UNIVERSAL insulating paper—Standard Paint Co., 233 B'way, New York
UNIVERSAL kneading & mixing machines—Baker Sons, J. & Perkins Co., Inc., White Plains, N. Y.
UNIVERSAL lath tools—Myers Lathe Tool Co., 416 E. 9th, Los Angeles, Cal.
UNIVERSAL lawn mowers—Blair Mfg. Co., Springfield, Mass.
UNIVERSAL lawn mowers—Clarinda Lawn Mower Co., Clarinda, Ia.
UNIVERSAL lightning arresters — Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
UNIVERSAL locknut bushings—New Process Specialty Co., 230 Hanover, Milwaukee, Wis.
UNIVERSAL log skidding & loading machines—Clyde Iron Works Safes Co., Duluth, Minn.
UNIVERSAL lubricating oil & greases—W. P. Miller Co., 250 Greene, B'klyn, N. Y.
UNIVERSAL lubricating oils & greases—Wm. P. Miller Co., 2316 S. Wabash av, Chicago, Ill.
UNIVERSAL lumber trimmers—Fox Machine Co., Jackson, Mich.
UNIVERSAL mechanical stokers—Oscar Barnet Foundry Co., Irvington, N. J.
UNIVERSAL metallic sash bars—Voltz Mfg. Co., 914 Penn., St. Joseph, Mo.
UNIVERSAL mucilage—Continental Mfg. Co., 4611 Girard, Phila., Pa.
UNIVERSAL nut crackers & picks—Arcade Mfg. Co., Freeport, Ill.
UNIVERSAL oil pumps—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
UNIVERSAL pasting machines—A. G. Prior, Inc., 665 B'way, Newark, N. J.
UNIVERSAL pipe hangers—Enoch Rutzler Co., 404 E. 49th, New York
UNIVERSAL pitching machines, preheaters—Henry Rauch & Son, Mt. Vernon, N. Y.
UNIVERSAL plow coulters—John Clayton Plow Co., Minneapolis, Minn.
UNIVERSAL plow coulters—Rock Island Plow Co., Rock Island, Ill.
UNIVERSAL post hole diggers—F. E. Kohler Co., Canton, Ohio
UNIVERSAL protractors—Chas. H. Besley & Co., 120 N. Clinton, Chicago, Ill.
UNIVERSAL radiator valves, stop & waste cocks—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
UNIVERSAL ratchet drills — Gallagher Mfg. Co., Lynn, Mass.
UNIVERSAL reamers—Schellenbach-Hunt Tool Co., Murdock bldg., Cincinnati, O.
UNIVERSAL refrigerator latches—Payson Mfg. Co., 2918 W. Jackson blvd., Chicago, Ill.
UNIVERSAL puddling & road rollers—Universal Road Machinery Co., Kingston, N. Y.
UNIVERSAL rock & ore conveyors—Universal Crusher Co., Cedar Rapids, Ia.
UNIVERSAL rod packing—H. W. Johns-Manville Co., Madison av & 41st, New York
UNIVERSAL rubber masticators—Baker Sons, J. & Perkins Co., White Plains, N. Y.
UNIVERSAL sash chains, plumber chains—E. Joncks Mfg. Co., Worcester, Mass.
UNIVERSAL saw benches — Colburn Machine Tool Co., Franklin, Pa.
UNIVERSAL saw benches & tables—Oliver Machinery Co., Grand Rapids, Mich.
UNIVERSAL self-feeders & band cutters for threshers—Nichols & Shepard Co., Battle Creek, Mich.
UNIVERSAL sheet metal workers' machines & tools, automobile turntables, etc.—Canton Foundry & Machine Co., Canton, Ohio
UNIVERSAL shoe shining chairs—Buffalo Metal Furniture Co., Buffalo, N. Y.
UNIVERSAL sliding furniture shoes, stove trucks—Universal Caster & Foundry Wks, 574 Ferry, Newark, N. J. See The Bossick Co., Bridgeport, Conn.
UNIVERSAL sling hay carriers—Louden Machinery Co., Fairfield, Ia.
UNIVERSAL soldering fluid—Universal Fluxine Co., Urbana, Ohio
UNIVERSAL splitting shears—Bertsch & Co., Cambridge City, Ind.
UNIVERSAL lock joint steel ceilings—F. O. Schoedlinger, 142 N. 3d, Columbus, Ohio
UNIVERSAL steel ceilings—F. O. Schoedlinger, 142 N. 3d, Columbus, Ohio
UNIVERSAL steel shelving—Dexter Metal Mfg. Co., 93 Arch, Camden, N. J.
UNIVERSAL tenon & boring machines—Vulcan Iron Works, Mason City, Ia.
UNIVERSAL test indicators—L. S. Starrett Co. (The), Athol, Mass.
UNIVERSAL tool grinders—Universal Grinding Mach., Fitchburg, Mass.
UNIVERSAL tool grinders — Mummert-Dixon Co., Hanover, Pa.
UNIVERSAL trolley wire hangers—Electric Railway Equipment Co., Cincinnati, Ohio
UNIVERSAL tube expanders—J. Faessler Mfg. Co., Moberly, Mo.
UNIVERSAL variety wood turning machines—C. Mattison Machine Works, Rockford, Ill.
UNIVERSAL window cleaners — Osborn Mfg. Co., 5401 Hamilton av, N. E., Cleveland, Ohio
UNIVERSAL wall finish & white trowel plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
UNIVERSAL washing machines — Voss Bros. Mfg. Co., Davenport, Ia.
UNIVERSAL window ventilators—Universal Ventilating Co., 14 Oak, Kansas City, Mo.
UNIVERSAL wood boring machines—J. M. Nash, 842 30th, Milwaukee, Wis.
UNIVERSAL FLUXINE brazing compounds—Universal Fluxine Co., Urbana, Ohio
UNIVERSAL GIANT friction clutch couplings, giant friction clutches—T. B. Wood's Sons Co., Chambersburg, Pa.
UNIVERSAL-PEERLESS perforating machines—A. G. Burton Son, 118 S. Clinton, Chicago, Ill.
UNIVERSAL PULL countershafts—Diamond Machine Co., Providence, R. I.
UNIVERSITY lawn mowers—Phila. Lawn Mower Co., 3101 Chestnut, Phila., Pa.
UNIVERSITY tool makers' vises—Emmert Mfg. Co., Waynesboro, Pa.
U-NO metal polish—Grady Mfg. Co., 250 Ely av., Astoria, N. Y.
UNO metal polish—Uno Mfg. Co., 6433 E. Ravenswood Pk, Chicago, Ill.
UNO shade holders—Bryant Electric Co., Bridgeport, Conn.
UNO holders—General Electric Co., Schenectady, N. Y.

UNO ventilators—Uno Ventilator Co., Cliftondale, Mass.
UNXLD bicycles—Motor Car Supply Co., 1453 Michigan av, Chicago, Ill.
UNXLD carbon paper, typewriter ribbons — E. A. Brecher & Co., 119 Lafayette, New York
UPRESSIT bottle caps—U. S. Metal Cap & Seal Co., 107 W. 13th, New York
UPRITE coal ranges, steam & hot water boilers—Heating Supply & Repair Co., Elizabeth, N. J.
UPSON wall boards—Upson Co., Lockport, N. Y.
UPSON'S window blind adjusters—H. B. Ives Co., New Haven, Conn.
UP-TO-DATE clips—Argus Mfg. Co., 402 N. Paulina, Chicago, Ill.
UP-TO-DATE egg & cream beaters — Parkesburg Stamping & Mfg. Co., Parkesburg, Pa.
UP-TO-DATE garment hangers—Caldwell Mfg. Co., Rochester, N. Y.
UP-TO-DATE mechanical dust collectors—Grand Rapids Blow Pipe & Dust Arrester Co., Grand Rapids, Mich.
UP-TO-DATE stationers' specialties—Ideal Specialties Mfg. Corp., 552 Pearl, New York
URANIUM high speed steel—Latrobe Steel Co., Latrobe, Pa.
URBAN mail boxes—Introstile Mfg. Co., Marietta, Ohio
URSA oil—Texas Company, 17 Battery pl, New York
URBAN trolley wheels—Electrical Material Co., 618 W. Jackson blvd, Chicago, Ill.
chine & Tool Works, Hartford, Conn.
URSUS garden hose—Hewitt Rubber Co., Buffalo, N. Y.
USA-CO. asbestos packing—United States Asbestos Co., Manheim, Pa.
U-SAV-YOUR polish—U-Sav-Your Mfg. Co., Warren, Mass.
USAMP mildewproof tents—Fulton Bag & Cotton Mills, Atlanta, Ga.
USE-EM-UP drill sockets—American Specialty Co., 29 E. Madison, Chicago, Ill.
USEM push buttons—U. S. E. M. Co., 301 W. 37th, New York
USHER automatic planer stops—Lamb Knitting Machine Co., Chicopee Falls, Mass.
USONA asphalt roofing, asphalt shingles—Usona Mfg. Co., Aurora, Ill.
USONA axes—American Axe & Tool Co., Glassport, Pa.
USUDURIAN packing—Revere Rubber Co., Chelsea, Mass.
UTAH belting—Boston Woven Hose & Rubber Co., Cambridge, Mass.
UTAH cement—Portland Cement Co., Salt Lake City, Utah
UTAH centre trip adjustable slings—F. E. Myers & Bro., Ashland, Ohio
UTE waterproof belting—Smyth-Despard Co., Utica, N. Y.
UTICA cement—Utica Hydraulic Cement Co., Utica, Ill.
UTICA chemical fire engines & extinguishers—O. J. Childs Co., Utica, N. Y.
UTICA end cutting nippers—Utica Drop Forge & Tool Co., Utica, N. Y.
UTICA fire clay—Utica Fire Brick & Clay Co., Utica, Ill.
UTILITY army canteens—Hemp & Co., St. Louis, Mo.
UTILITY auger bits—W. A. Ives Mfg. Co., Wallingford, Conn.
UTILITY automobile accessories, rim wrenches, tire pumps, automobile heaters & ford pedals—Hill Pump Valve Co., 4001-21 Belmont av, Chicago, Ill.
UTILITY car ventilators, high pressure couplers, thermostats—Railway Utility Co., 721 Fulton, Chicago, Ill.
UTILITY cockeyes—Frazer & Jones Co., Syracuse, N. Y.
UTILITY corn poppers—Utility Mfg. Co., Sturgis, Mich.
UTILITY floor sanding, polishing & scrubbing machines—Kent Vacuum Cleaner Co., Rome, N. Y.
UTILITY folding stools, motorman's seats, elevator seats—C. A. Cook Co., Cambridge, Mass.
UTILITY gas ranges—Eriez Stove & Mfg. Co., Erie, Pa.
UTILITY hack saw blades & frames—West Haven Mfg. Co., West Haven, Conn.
UTILITY hollow handle tool sets—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
UTILITY milling machine vises—Brown Engineering Co., Reading, Pa.
UTILITY pump governors, steam separators, exhaust heads, feed water heaters—Standard Steam Specialty Co., 542 W. Broadway, New York
UTILITY rubber aprons, rubber sheeting—Stern Specialty Co., 40 E. 22nd, New York
UTILITY sad irons—Edison Electric Appliance Co., Inc. (Hotpoint Div.), 5600 W. Taylor, Chicago, Ill.
UTILITY spark plugs—Utility Co., 636 W. 44th, New York
UTILITY wall boards—Heppes Nelson Roofing Co., 4500 Fillmore, Chicago, Ill.
UTILITY water meters—Pithtsburgh Meter Co., East Pittsburgh, Pa.
V insulating tape—Revere Rubber Co., Chelsea, Mass.
V.-C. emery grinders—Valley City Machine Works, Grand Rapids, Mich.
V. E. M. W. ROTARY mine pumps—Virginian Electric & Machine Works, Charleston, W. Va.
V. F. M. dairy apparatus—Vermont Farm Machine Co., Bellows Falls, Vt.
V V conduit fittings— V V Fittings Co., 1906 N. 6th, Phila., Pa.
V. & B. chisels, hammers, ice tongs, pliers, post hole augers, punches, scrapers, swages, wrenches—Vaughan & Bushnell Mfg. Co., 2114 Carroll av, Chicago, Ill.
V. & K. gauges, pumps, valves, water motors—Vaile Kilmes Co., Dayton, Ohio
V. & O. presses—V. & O. Press Co., Dry Harbor rd, Glendale Station, N. Y.
V. & P. SOLVENT paint & varnish remover—Eberson Paint Co., 1822 Morgan, St. Louis, Mo.
VAC gasoline underground storage self-measuring oil pumps & pumping outfits—Vac Liquid Equipment Co., Cedar Rapids, Ia.
VACATION baseballs—Rawlings Mfg. Co., 23rd & Lucas av, St. Louis, Mo.
VAC-M lightning arresters—National Electric Specialty Co., Toledo, Ohio
VACO vacuum valves—Beaton & Cadwell Mfg. Co., New Britain, Conn.
VACUETTE vacuum cleaners—Scott-Fetzer Mach. Co., W. 114th & Locust av, Cleveland, O.
VACUNA PORTABLE power vacuum cleaners—Kent Vacuum Cleaners Co., Rome, N. Y.
VACUUM fishing bait—Vacuum Bait Co., North Manchester, Ind.
VACUUM CUP pneumatic tires—Pennsylvania Rubber Co., Jeannette, Pa.
VACUSTAT air valves—Bishop & Babcock Co., 1204 E. 55th, Cleveland, Ohio
VAK-KLEAN vacuum cleaners—Hanlon & Wilson, Wilkinsburg, Pa.
VAKUM lubricators—Wm. Powell Co., Cincinnati, Ohio
VALBESTINE packing—General Asbestos & Rubber Co., Charleston, S. C.
VALE drawn metal grease cups—Lindholm Metal Stamping Co., Camden, N. J.
VALENS acid proof metal—Keystone Bronze Co., 39th & A. V. R. R., Pittsburgh, Pa.
VALLEY beet pullers—Donaldson Bros., Mt. Clemens, Mich.
VALLEY screw drivers—Union Hardware Co., Torrington, Conn.
VALLEY CHIEF cider mills—S. R. White's Mills, Norfolk, Va.
VALLEY CITY shoveling & end gate boards—Peoria Drill & Seeder Co., Peoria, Ill.
VALOR oil—Texas Company, 17 Battery pl, New York
VALSPAR marine varnishes—Valentine & Co., 456 Fourth av, New York
VALVETITE metallic packing—Akron Metallic Gasket Co., Akron, Ohio
VALVOLINE lubricating oils & greases—Valvoline Oil Co., 11 B'way, New York
VALVOLITE valve stem packing—Quaker City Rubber Co., 629 Market, Phila., Pa.
VAN expansion bolts—Van Expansion Bolt Mfg. Co., 53 W Jackson blvd, Chicago, Ill.
VAN expansion shields & screw anchors—Van Expansion Bolt Mfg. Co., 53 W. Jackson blvd, Chicago, Ill.
VAN razor stroppers & pipe hangers—L. A. Carpenter Press Metal Co., Cambridge, Mass.
VANADIUM air hammer rivet sets—Geo. F. Marchant Co., 1420 S. Rockwell, Chicago, Ill.
VANADIUM high speed twist drills—New Process Twist Drill Co., Taunton, Mass.
VAN-AR-CO. closet seats—Van Arnam Mfg. Co., Ft. Wayne, Ind.
VAN AUKEN pump governors, oil extractors, separators, steam traps, valves, vacuum cleaners—Consolidated Engineering Co., 507 W. Jackson blvd., Chicago, Ill.
VANCE blow-off valves, steam traps—Geo. M. Newhall Engng. Co., 1421 Chestnut, Phila., Pa.
VANCE steam heaters—Jas. R. Vance, Geneva, N. Y.
VANCE steam traps—Vance & Vette .. Phipps Power bldg, Pittsburgh, Pa.

VANCOUVER row-locks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
VANDA metallic packing—Vanda Co., 25th & Madison av, New York
VANDERBEEK BALL universal joints—Ainslie Machine & Tool Works, 35 Jefferson av, Hartford, Conn.
VANDERBEEK GIANT universal joints—Ainslie Machine & Tool Works, Hartford, Conn.
VANDERBILT brake beams—Buffalo Brake Beam Co., 30 Pine, New York Works, Buffalo, N. Y
VANDERBILT sash balances—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
VAN DORN car ends—Van Dorn Coupler Co., 2325 S. Paulina, Chicago, Ill.
VAN DORN electric portable tools—Van Dorn Electric Tool Co., 2978 Woodhill, Cleveland, O.
VAN DORN metallic lockers, post caps & bases—Van Dorn Iron Works Co., 2700 E. 79th, Cleveland, Ohio
VAN DYKE harrows & pulverizers—Janesville Machine Co., Janesville, Wis.
VANGUARD automobile wind shields—Motor Products Corp., Mack av & Outer Belt Line, Detroit, Mich.
VANGUARD oil—Texas Company, 17 Battery pl, New York
VANGUARD oil cups—Wm. Powell Co., Cincinnati, Ohio
VAN HOUTEN dough dividing machines—Dutchess Tool Co., Fishkill-on-Hudson, N. Y.
VAN NORMAN internal grinders—Van Norman Machine Tool Co., Springfield, Mass.
VAN SANDS blind fasteners—John Auer, Jr., 197 Middleton, Brooklyn, N. Y.
VAN-SEN carbon paper, typewriter ribbons—Type-ribbon Mfg. Co., 711 S. Dearborn, Chicago, Ill.
VAN STONE pipe fittings—Lumsden & Van Stone Co., 1 Dorchester, Boston, Mass.
VAN VALKENBURG'S pen clips, water filters—L. D. Van Valkenburg, Holyoke, Mass.
VAPO marine mufflers—Thos. Laughlin Co., Portland, Maine
VAPORITE packing—A. W. Chesterton Co., 64 India, Boston, Mass.
VARLEY duplex electro magnets—Acme Wire Co., New Haven, Conn.
VARNAM ox bow pins—O. C. Sawyer, Sharon, Vt.
VAR-NI-GO paint & varnish remover—A. S. Boyle & Co., 1934 Dana av, Cincinnati, Ohio
VARNISHEEN furniture polish—Puritan Soap Co., 496 Exchange, Rochester, N. Y.
VARNOIL metal polish—Frank J. Le Doyen Co., 827 Mangold, Baltimore, Md.
VARNOLIN varnish—Armstrong Paint & Varnish Works, 2522 S. Paulina, Chicago, Ill.
VARSITY bond paper—H. Reeve Angel & Co., Inc., 7 Spruce, New York
VASCO ash conveyors—Vacuum Ash & Soot Conveyor Co., Wilson av, Newark, N. J.
VASELINE petrolatum—Chesebrough Mfg. Co., 17 State, New York
VASSAR steam heaters—Reading Stove Works, Reading, Pa.
VATUDRIP rust preventatives—Am Rust Proof Co., 8 W. 40th, New York
VAUGHAN anti-rail creepers—Belle City Malleable Iron Co., Racine, Wis.
VAUGHAN leather gauges—Turner & Tanning Machinery Co., Peabody, Mass.
VAUGHN PATTERN port hole augers—Eureka Digger Co., 227 W. Huron, Chicago, Ill.
VAUGHAN rail anchors, guard rail clamps—American Guard Rail Fastener Co., Real Estate Trust bldg., Phila., Pa.
VAUGHAN rail anchors & rail anti-creepers—P. & M. Co. (The), 80 E. Jackson blvd, Chicago, Ill.
VAUGHAN'S INDIVIDUAL key chain rings—Vaughan Novelty Mfg. Co., 703 Fulton, Chicago, Ill.
VAUGHAN'S NEVER CHIP stationary bottle openers—Vaughan Novelty Mfg. Co., 703 Fulton, Chicago, Ill.
VAUGHN'S post hole augers—Iwan Bros., South Bend, Ind.
VAUGHN post hole augers—Seymour Mfg. Co., Seymour, Ind.
VAUGHAN sight indicating flow meters—Spray Engineering Co., 93 Federal, Boston, Mass.
VAUGHN spring rail frogs—Marden Frog & Crossing Works, 208 S. La Salle, Chicago, Ill.
VECO sweaters—Morgan Knitting Mills, 457 18th av, Newark, N. J.
VEEDER cyclometers, odometers, speed counters, speed indicators, tachometer—Veeder Mfg. Co., Hartford, Conn.
VEEDOL automobile lubricants—Tidewaetr Oil Co., New York
VEELOS—Manheim Mfg. & Belting Co., Manheim, Pa.
VEGA axle grease—Texas Company, 17 Battery pl, New York
VEHISOTE fibre boards—Pantasote Co., 11 Broadway, New York
VELLUMOID gaskets & packing—Fibre Finishing Co., 13 Tremont, Boston, Mass.
V-E-L-O shaving soap—Geo. H. Schafer & Co., Fort Madison, Iowa
VELLUMOID packing—Fibre Finishing Co., 73 Tremont, Boston, Mass.
VELOCITY lubricating oils & greases—G. W. Gallaway, 322 Pearl, New York
VELOS tool steel—F. R. Phillips & Sons Co., Penna. bldg., Phila., Pa.
VELOX dry plates—Eastman Kodak Co., Rochester, N. Y.
VELOX grindstones, sickel grinders—Richards-Wilcox Mfg. Co., Aurora, Ill.
VELOX metal polish—Manufacturers' Supplies Co., Juniper & Cherry, Phila., Pa.
VELOX phosphor bronze—A. Gilbert & Sons Brass Fdry. Co., 4019 Forest Pk. bldg., St. Louis, Mo.
VELVA rubber belting—N. J. Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
VELVAPARA insulating compounds—Elect'l Mat'l Co., 618 N. Jackson blvd, Chicago, Ill.
VELVET automobile oils & cutting compounds—Advance Oil Co., Oil City, Pa.
VELVET babbitt metal—Cleveland Alloys Co., Elm & Superior, Cleveland, Ohio
VELVET belting—W. T. Shackley & Son Co., 49 High, Boston, Mass.
VELVET braided hose, air drill hose, chemical engine hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
VELVET lead pencils—American Lead Pencil Co., 220 5th av, New York
VELVET rubber tile, interlocking mats—W. H. Salisbury & Co., 308 W. Madison, Chicago, Ill.
VELVET THREAD roller skates—Chicago Roller Skate Co., 224 N. Ada, Chicago, Ill.
VELVET BLACKING core wash—Smith Facing & Supply Co., 1857 Carter rd, Cleveland, Ohio
VELVETILE sanitary flooring—American Magnesia Products Co., 600 W. Austin av, Chicago, Ill.
VELVETINE lubricating oils & greases—Climax Refining Co., Williamson bldg, Cleveland, Ohio
VELVEX shingle stains—Barrett Co., 17 Battery pl, New York
VENEER wall ties—American Rolling Mill Co., Middletown, Ohio
VENO bathing caps, rubber gloves—Star Rubber Co., Akron, Ohio
VENTILATOR sash locks—Technology Sales Co., Inc., 27 Thames, New York
VENTILITE fixtures for nitrogen filled lamps—Herwig Art Shade & Lamp Co., 2140 N. Halsted, Chicago, Ill.
VENTIPLEX horse collar pads—Burlington Blanket Co., Burlington, Wis.
VENTNOR lawn mowers—Chadborn & Coldwell Mfg. Co., Newburgh, N. Y.
VENTO heaters—American Radiator Co., 820 S. Michigan av, Chicago, Ill.
VENTURA electric disc fans—American Blower Co., 1412 Russell, Detroit, Mich.
VENTURI chemical feed of head & rate controllers, water waste detectors, loss gauges, & air, brine, chemical solutions, & sewage meters—Builders Iron Foundry, 9 Coddington, Providence, R. I.
VENTURI steam condensers—Howes & Phillips Iron Works, 8 Orange, Newark, N. J.
VENUS electric car headlights—Dayton Mfg. Co., Dayton, Ohio
VENUS electric sad irons—Phelps Mfg. Co., 49 W. Larned, Detroit, Mich.
VENUS lamp burners—Edw. Miller & Co., Meriden, Conn.
VENUS lead pencils—American Lead Pencil Co., 220 5th av, New York
VENUS radical gas heaters—Lawson Mfg. Co., Homestead, Pa.
VERIBEST V-crimp roofing—Delphos Mfg. Co., Delphos, Ohio
VERILIFE medical batteries—Knapp Elec. & Novelty Co., 511 W. 51st, New York
VERMINGO disinfectants—Worrell Mfg. Co., 212 N. Main, St. Louis, Mo.
VERMONT churns—Vermont Farm Machine Co., Bellows Falls, Vt.
VERMONT WHITE granite—Woodbury Granite Co., Hardwick, Vt.
VERMOREL spray nozzles—F. E. Myers & Bro., 900 4th, Ashland, Ohio
VERMOREL spray nozzle—Deming Co., Salem, Ohio
VERMOSITE spar varnishes—Devoe & Raynolds Co., 101 Fulton, New York

VERNON cotton hose—Mechanical Rubber Co., 73 Reade, New York
VERONA lock-nuts & washers—Verona Tool Works, Oliver bldg., Pittsburgh, Pa.
VERONA lock washers—Riverside Steel Spring Co., Riverside, N. J.
VERONA seamless poles—Valley Forging Co., Verona, Pa.
VEROSENE FINISH wood stains—Armstrong Paint & Varnish Works, 2532 S. Paulina, Chicago, Ill.
VERSCHOYLE pocket transits—Taylor Instrument Companies, Rochester, N. Y.
VERSIES flexible conduits—Protectus Paint Co., N. Amer. bldg., Phila., Pa.
VERTASCOPE pole measuring instruments—United Electric Supply Co., Marion, Ohio
VERYBEST loose leaf devices—Plew & Motter, 1200 W. Monroe, Chicago, Ill.
VERY BEST lug straps—E. H. Jacob Mfg. Co., Danielson, Conn.
VESTA stoves & ranges—Vesta Gas Range & Mfg. Co., Chattanooga, Tenn.
VESTAL sunshine steam & hot water heaters—Reading Scale & Machine Co., Reading, Pa.
VESURESE wire rope & coating & lubricant—Swan & Finch Co., 165 Broadway, New York
VESUVIUS melting furnaces—Davis Mach. Tool Co., Rochester, N. Y.
VESUVIUS packing—Squires & Byrne Rubber Co., San Francisco, Cal.
VESUVIUS pyrites burners—Valley Iron Works Co., Appleton, Wis.
VESUVIUS spark plugs—A. R. Mosler & Co., Mt. Vernon, N. Y.
VETERAN oil—Texas Company, 17 Battery pl, New York
VEXEN fly swatters—U. S. Wire Mat Co., Decatur, Ill.
VIBRO-LIFE massage vibrators—Eureka Vibrator Co., 131 W. 42nd, New York
VIBROSIMPLEX massage vibrators—Universal Novelty Co., 164 5th av, New York
VICHEK chisels, punches, pliers, tools, wrenches, etc., pavers' dressing hatchets, riveting hammers—Vichek Tool Co., 8701 Mt. Auburn av, Cleveland.
VICTOR adjustable standards & brackets—Knape & Vogt Mfg. Co., Grand Rapids, Mich.
VICTOR air tight heaters—A. Geisel Mfg. Co., 219 So. 2nd, St. Louis, Mo.
VICTOR ale pumps—Victor Electric Co., 236 S. Robbey, Chicago, Ill.
VICTOR animal pokes—Hughes & Smythe, Galena, Ohio
VICTOR animal traps—Oneida Community (Ltd.), Oneida, N. Y.
VICTOR automobile headlights—Corcoran-Victor Co., Cincinnati, Ohio
VICTOR barbers hair clippers—Coates Clipper Mfg. Co., Worcester, Mass.
VICTOR barrows—Frank R. Prescott, Meredith, N. H.
VICTOR belt dressing—Eagle Oil & Supply Co., 45 India, Boston, Mass.
VICTOR belt lacing—Missouri Belting Co., Grand & La Salle, St. Louis, Mo.
VICTOR belt lacing, belt cements—New York Leather Belting Co., 465 Kent av, Brooklyn, N. Y.
VICTOR safety fuse—du Pont de Nemours, E. I., Wilmington, Del.
VICTOR bolt clippers—Roberts Mfg. Co., Somerville, Mass.
VICTOR bottle stoppers—Taplin Mfg. Co., New Britain, Conn.
VICTOR capstans—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
VICTOR car movers—Handlan-Buck Mfg. Co., 210-14 N. 3rd, St. Louis, Mo.
VICTOR casters—Foster, Merriam & Co., Meriden, Conn.
VICTOR coal & gas stoves—Victor Stove Co., Salem, Ohio
VICTOR cold storage doors & ice recording chutes—R. E. Jones, Hagerstown, Md.
VICTOR corn shellers—Barnard & Leas Mfg. Co., Moline, Ill.
VICTOR cotton planters—Kingman Plow Co., Peoria, Ill.
VICTOR creamery churns—Oakes & Burger Co., Cattaraugus, N. Y.
VICTOR cultivators—Hayes Pump & Planter Co., Galva, Ill.
VICTOR desk telephone brackets—Stanley & Patterson, 23 Murray, New York
VICTOR door hangers, elevator safety devices, fire door fittings, fire tin clad doors—Victor Mfg. Co., Newburyport, Mass.
VICTOR door hangers, grindstones—Richards-Wilcox Mfg. Co., Aurora, Ill.
VICTOR electric bells—Electric Goods Mfg. Co., Canton, Mass.
VICTOR ensilage cutters—Foster & Williams Mfg. Co., Racine, Wis.
VICTOR feed cookers—Kelly Foundry & Machine Co., Goshen, Ind.
VICTOR feed cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
VICTOR feed water heaters—Wm. Allen Sons Co., Worcester, Mass.
VICTOR flour sieves—Wickwire Spencer Steel Corp., Worcester, Mass.
VICTOR garden barrows—Kilbourne & Jacobs Mfg. Co., Columbus, Ohio
VICTOR garden cultivators—American Rake & Hoe Co., Swetland bldg, Cleveland, Ohio
VICTOR garden rakes—Cronk & Carrier Mfg. Co., 150 Lake, Elmira, N. Y.
VICTOR garment hangers—Seed Filler & Mfg. Co., 73 Franklin, New York
VICTOR gate valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
VICTOR grass catchers—R. F. Krause, Zion City, Ill.
VICTOR hack saw blades—Victor Saw Works, Springfield, Mass.
VICTOR hack saw machines—Strong, Carlisle & Hammond Co., 336 Frankfort av, N. W., Cleveland, Ohio
VICTOR ham presses—Wolf, Sayer & Heller, Fulton & Peoria, Chicago, Ill.
VICTOR hay carriers—Louden Machinery Co., Fairfield, Ia.
VICTOR hay presses—Geo. Ertel Co., Quincy, Ill.
VICTOR horse brushes—Jos. Lay Co., Ridgeville, Ind.
VICTOR hot air furnaces—Corning Mfg. Co., Corning, N. Y.
VICTOR hot air furnaces—W. G. McPherson Co., 19th & Wilson, Portland, Ore.
VICTOR ice creepers—Philip Rapp, Reading, Pa.
VICTOR insulators—Locke Insulator Mfg. Co., Victor, N. Y.
VICTOR lamp burners—Edw. Miller & Co., Meriden, Conn.
VICTOR lawn & balcony clothes dryers—Victor Dryer Co., Worcester, Mass.
VICTOR lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
VICTOR lawn mowers—S. P. Townsend & Co., Orange, N. J.
VICTOR lemon squeezers, magnetic tack hammers—Taplin Mfg. Co., New Britain, Conn.
VICTOR low pressure steam traps—Wright-Austin Co., 97 Woodbridge, W. Detroit, Mich.
VICTOR lubricating oils & greases—A. W. Harris & Co., 17 Battery pl, New York
VICTOR lubricating oils & grease—Swan & Finch Co., 165 Broadway, New York
VICTOR metal key faucets—Jorn Sommer Faucet Co., 355 Central av, Newark, N. J.
VICTOR mitre boxes—J. C. McCarty & Co., 29 Murray, New York
VICTOR natural gas burners—C. H. Yonk & Co., Meadville, Pa.
VICTOR night latches—Huber Mfg. Co., 417 E. 93d, New York
VICTOR oil cups, valves—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
VICTOR packing & airdrill & cotton hose—Pioneer Rubber Mills, San Francisco, Cal.
VICTOR packing—Mulconroy Co., 54th & Jefferson, Philadelphia, Pa.
VICTOR platform trucks & truck wheels—Victor Truck Co., Johnsonburg, Pa.
VICTOR paper caps—Standard Envelope Co., 296 Broadway, New York
VICTOR positive pressure blowers — Connersville Blower Co., Connersville, Ind.
VICTOR pressure regulators—Standard Regulator Co., 90 West, New York
VICTOR projectors—Victor Animatograph Co., Davenport, Ia.
VICTOR punches & shears—Armstrong Mfg. Co., Waterloo, Ia.
VICTOR railway track drills—Isaac G. Johnson & Co., Spuyten Duyvil, New York
VICTOR red oils—Manufacturers Paraffine Co., Chester, Pa.
VICTOR reducing wheels—Jas. L. Robertson & Son, 78 Murray, New York
VICTOR ring travelers—Victor Shaw Ring Traveler Co., 23 Sabin, Providence, R. I.
VICTOR road scrapers—American Steel Co., Sidney, Ohio
VICTOR rules, mitre boxes—Stanley Rule & Level Co., New Britain, Conn.

VICTOR saw gummers—Henry Disston & Sons, Tacony, Phila., Pa.
VICTOR scales—Fairbanks, Morse & Co., 900 S. Wabash av, Chicago, Ill.
VICTOR shade cloth—Western Shade Cloth Co., 21st & Jefferson, Chicago, Ill.
VICTOR sheepskin wheels—E. Reed Burns, 27 Jackson, Brooklyn, N. Y.
VICTOR sliding furniture caster—Victor Caster Co., Bridgeport, Conn.
VICTOR solid tires—Victor Rubber Co., Springfield, Ohio
VICTOR steam separators—Steam Appliance Co., Milwaukee, Wis.
VICTOR steam shovels—Toledo Foundry & Machine Co., Toledo, Ohio
VICTOR step-ladders—Rich Pump Co., South & Depot, Cincinnati, Ohio
VICTOR storage batteries & spark plugs—Milwaukee Auto Specialty Co., 711 Chestnut, Milwaukee, Wis.
VICTOR tire air pumps—Judd & Leland Mfg. Co. Clifton Springs, N. Y.
VICTOR track brooms & brushes, horse & window brushes—Jos. Lay Co., Ridgeville, Ind.
VICTOR TURBINE DRILL breast drills—Bonney Shanks Co., Chattanooga, Tenn.
VICTOR vacuum cleaners—Hugro Mfg. Co., 327 S La Salle, Chicago, Ill.
VICTOR vises—Chas. Parker Co., Meriden, Conn.
VICTOR wagon buffers—Indianapolis Bolster Sprin Co., 326 W. Georgia, Indianapolis, Ind.
VICTOR wagon jacks—Covert Saddlery Works, Interlaken, N. Y.
VICTOR wagon jacks—Fernald Mfg. Co., North East Pa.
VICTOR water closets—Pierce, Butler & Pierce Mfg Corp., 437 E. 162nd, New York
VICTOR water heaters—S. V. Reeves, 45 N. 2d Phila., Pa.
VICTOR water tube expanders—Gustav Wiedeke & Co., Dayton, Ohio
VICTOR water wheels—Platt Iron Works Co., Dayton, Ohio
VICTOR well buckets—Richmond Cedar Works, Fulton, Richmond, Va.
VICTOR wire fences—Dwiggins Wire Fence Co., Anderson, Ind.
VICTOR wrenches—Bonner Drop Forge Co., 111 W. Washington, Chicago, Ill.
VICTOR wrenches—Kraeuter & Co., 583 18th av, Newark, N. J.
VICTOR BALATA belting, pump valves, lug & shuttle straps—Victor-Balata & Textile Belting Co., 38 Murray, New York
VICTOR GRAND fire place heaters—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
VICTOR WHITE polishing compound—General Plasters Supply Co., 489-493 Broome, New York
VICTORIA copying presses—Regina Co., 47 W. 34th, New York
VICTORIA fruit & vegetable parers—Imperial Machine Co., 108 W. 34th, New York
VICTORIA Keene's cement—Clifford L. Miller & Co., 280 Madison av, New York
VICTORIA liquid soap—F. S. Walton Co., Orthodox & Del., Philadelphia, Pa.
VICTORIA paris white—H. F. Taintor Mfg. Co., 2 Rector, New York
VICTORIA reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg., New York
VICTORIA row-locks—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
VICTORIA venetian blinds, window screens—Bostwick-Goodell, Norwalk, Ohio
VICTORIA GRAY marble—Victoria Marble Co., Knoxville, Tenn.
VICTORIA PINK marble—Victoria Marble Co., Knoxville, Tenn.
VICTORY axes—Dunn Edge Tool Co., Oakland, Me.
VICTORY core oils—Swan & Finch Co., 165 Broadway, New York
VICTORY cow milking machines—Starch Bros. Co., La Crosse, Wis.
VICTORY felt, buffing & polishing wheels—Eastern Felt Co., Canal, Winchester, Mass.
VICTORY fertilizer distributors—Southern Plow Co., Columbus, Ga.
VICTORY lubricating oils & greases—Wm. P. Miller Co., 2316 S. Wabash av, Chicago, Ill.
VICTORY pipe bending machines—American Marine Iron Works, Portland, Ore.
VICTORY power sprayer—Deming Co., Salem, Ohio
VICTORY tool steel—Hy. Rossell, 24 S. Jefferson, Chicago, Ill.
VICTORY varnish—Nubian Paint & Varnish Co., 1856 Leclair av, Chicago, Ill.
VICTORY vellum tracing paper—Geo. Vincent, mfr., 422 E. 53d, New York
VICTORY JUNIOR power sprayer—Deming Co., Salem, Ohio
VICTROLINE automobile & furniture polish—Victroline Co., 39 Pearl, Boston, Mass.
VIDUET brass engine lubricators—Wm. Powell Co., Cincinnati, Ohio
VIENNA bakers' oven doors—Chas. Robson & Co 8th & Washington av, Philadelphia, Pa.
VIENNA MOIRE blotting paper—Albemarle Paper Mfg. Co., Richmond, Va.
VIGILANT electric bells—Edwards & Co., 140th & Exterior av, New York
VIGILANT feed water regulators—Chaplin-Fulton Mfg. Co., 34 Penn av, Pittsburgh, Pa.
VIGILANT safety water columns—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
VIGO belting & hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
VIKING babbitt metal—Thos. F. Lukens Metal Co., 238 N. 4th, Philadelphia, Pa.
VIKING belting—New York Leather Belting Co., 465 Kent av, Brooklyn, N. Y.
VIKING cooking stoves—Odin Stove Mfg. Co., Erie, Pa.
VIKING lubricators—Wm. Powell Co., Cincinnati, Ohio
VIKING oil circulating pumps—Peters Machine & Mfg. Co., 7320 Madison av, Cleveland, Ohio
VIKING packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
VIKING pig iron—Carbon Furnace Co., Ltd., Mauch Chunk, Pa.
VIKING shears—Viking Shear Co., Erie, Pa.
VIKING shears—Whitney Metal Tool Co., Rockford, Ill.
VIKING transformers—Viking Electric Co., 152 Chambers, New York
VILLAGE BLACKSMITH cutlery—Washington Cutlery Co., Watertown, Wis.
VILVCO sand & gravel heaters & dyers—Harry Vissering & Co., 14 E. Jackson blvd., Chicago, Ill.
VIM bronze metal bearings—Bronze Metal Co., 30 Church, New York
VIM engines—Ames Iron Works, Oswego, N. Y.
VIM gas igniters, spark plugs—K-W Ignition Co., Chester av & E. 30th, Cleveland, Ohio
VIM mechanical leather goods—E. F. Houghton & Co., 240 W. Somerset, Philadelphia, Pa.
VIM rubber hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
VINCENT belting—L. H. Gilmer Co., Cottman & Keystone, Phila., Pa.
VINEYARD gang plows—Parlin & Orendorff Co., Canton, Ill.
VI-RAY-O therapeutic lamps—Western Coil & Electrical Co., Racine, Wis.
VIRGINIA cook stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
VIRGINIA oil cans—Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.
VIRTUE air pumps—Brown Co., Syracuse, N. Y.
VIRUCO packing—Victor Rubber Co., Springfield, Ohio
VISCO can filling machines—Kare Kiefer Machine Co., 919 Martin, Cincinnati, Ohio
VISCOL belt dressing—Viscol Co., Cambridge, Mass.
VISCOS lubricating oils & greases—Nat'l Oil & Sup. Co., 180 Frelinghuysen av, Newark, N. J.
VISCOSITY drawing compounds—Swan & Finch, 165 Broadway, New York
VISE CLIP paper clips—H. C. Cook Co., 100-120 Jewett, Ansonia, Conn.
VISMERA rust resisting iron—Inland Steel Co., First Nat'l Bank bldg., Chicago, Ill.
VITAL spark plugs, vacuum cleaners—Vital Mfg. Co., 7500 Quincy av., Cleveland, O.
VITALIC rubber tires, inner automobile tubes, bicycle & motor cycle pedals, motorcycle grips—Continental Rubber Works, Erie, Pa.
VITEOSIL pyrometer tubes—Thermal Syndicate (Ltd.), 50 E. 41st, New York
VITIO closet seats—James M. Teahen, 43 Fort, W. Detroit, Mich.
VITRALITE enamels—Pratt & Lambert, Buffalo, N. Y.
VITRAWITE enamels—Flood & Conklin Co., 132 Chestnut, Newark, N. J.
VITRAY brass engine lubricators—Wm. Powell Co., Cincinnati, Ohio
VITREO lavatories & fittings—Haines, Jones & Cadbury Co., 1136 Ridge av, Philadelphia, Pa.
VITREOSIL laboratory apparatus & supplies—Thermal Syndicate (Ltd.), 50 E. 41st, New York

VITRIBESTOS asbestos blocks & smoke stock lining—H. W. Johns-Manville Co., Madison av & 41st, New York
VITRIFIX floor hardener—Vitrifix Co., 133 W. Washington, Chicago, Ill.
VITRO water closets, water closet tanks—James M. Teahen, 43 Fort, W. Detroit, Mich.
VITROLAC varnishes for all purposes—du Pont E. I. de Nemours & Co. (Paint & Varnish Sales Div.), Wilmington, Del.
VITROLITE marble substitute—Vitrolite Co., Chamber of Commerce bldg, Chicago, Ill.
VIVIAN rate controllers—Norwood Engineering Co., Florence, Mass.
VIXEN files—Vixen Tool Co., Newark, N. J.
VIXEN tools—Vixen Tool Co., 50th & Lancaster av, Philadelphia, Pa.
VIXEN wrenches—Bonney Vise & Tool Works, Allentown, Pa.
VIZOR self closing oilers—Brown Spring Oiler Co., 6911 Carnegie av, S. E., Cleveland, Ohio
VOGEL ground connection clamps—Fairmount Elec. & Mfg. Co., 59th & Woodland av, Phila., Pa.
VOGT water tube boilers & grate bars—Henry Vogt Machine Co., Inc., Louisville, Ky.
VOGUE wall paper—Allen Higgins Paper Co., Worcester, Mass.
VOLBRATH sinks & trays—Volbrath Co., Sheboygan, Wis.
VOLCANIC kitchen enameled ware—Cleveland Stamping & Tool Co., E. 53d & Hamilton, Cleveland, O.
VOLCANO car stoves—Buda Co., Railway Exchange bldg., Chicago, Ill.
VOLCANO steam heaters, water tube heaters—Harrisburg Mfg. & Boiler Co., Harrisburg, Pa.
VOLGER marking inks—B. C. Volger Mfg. Co., Passaic, N. J.
VOL-KA-NO paint—Black Diamond Mfg. Co., 1219 Bank, Cincinnati, Ohio
VOLKI metal polish—Brewer & Co., Worcester, Mass.
VOLLER automobile horns—Post & Lester Co., Hartford, Conn.
VOLLRATH kitchen enameled ware—Vollrath Co., Sheboygan, Wis.
VOLT belting—Hide, Leather & Belt Mfg. Co., 227 S. Meridian, Indianapolis, Ind.
VOLTALAC insulating varnish—Standard Varnish Works, 90 West, New York
VOLTA storage battery igniter—Witherbee Igniter Co., 1904 Broadway, New York
VOLTZ automobile wind shields—Limousine-Carriage Mfg. Co., 3515 S. Michigan av, Chicago, Ill.
VOLUNTEER lubricators—Nathan Mfg. Co., 416 E. 106th, New York
VOLUNTEER steam heaters—Wm. H. Page Boiler Co., 141 W. 36th, New York
VOLUNTEER steel ranges—Tenn. Stove Co., Chattanooga, Tenn.
VOLYUM COOLOUT PUMPS special machinery—Smith & Johnson Mfg. Co., 2031 Elam, Cincinnati, Ohio
VON BODEN-INGLES fuel oil burners—Sullivan Edward S. Co., Monad bldg, San Francisco, Cal.
VON DUPRIN emergency exit door locks & fire door latches—Vonnegut Hardware Co., Indianapolis, Ind.
VORCA paint—Vortex Mfg. Co., W. 77th, Cleveland, Ohio
VORITE rubber substitutes—Pierce Co., East Rochester, N. Y.
VORTEX carbureters—Fowler Lamp & Mfg. Co., 59 E. 24th, Chicago, Ill.
VORTEX centrifugal pumps—Lawrence Pump & Engine Co., Lawrence, Mass.
VORTEX dish washing machines—Hamilton-Low Co., 62 Van Winkle av, Jersey City, N. J.
VORTEX paint and whitewash spraying machine—Vortex Mfg. Co., W. 77th, Cleveland, Ohio
VORTEX paper cups—Vortex Mfg. Co., 421 N. Western av, Chicago, Ill.
VOSBERG floor & ceiling plates—N. O. Nelson Mfg. Co., 10th & Chestnut, St. Louis, Mo.
VOSPER pipe cutters—Toledo Pipe Threading Machine Co., 1440 Summit, Toledo, Ohio
VOSS water motor washing machines—Voss Bros. Mfg. Co., Davenport, Ia.
VOYNOW pole repair sleeves—Wm. D. Gherky, 30th & Walnut, Phila., Pa.
VRANE BRAND pocket knives—Max Klaas, 108 Fulton, New York
VROOMAN'S sink strainers—Andrews Wire & Iron Works, Rockford, Ill.
VUDOR porch saddles—Hough Shade Corporation, Janesville, Wis.
VULCABESTON paking, insulating compounds—Johns-Pratt Co., Hartford, Conn.



VULCABESTON packing, insulating compounds, insulating washers, valves—H. W. Johns-Manville Co., Madison av & 41st, New York
VULCAFIBRON packing—C. W. Trainer Mfg. Co., 55 High, Boston, Mass.
VULCAN anvils, tire & axle shrinkers—Illinois Iron & Bolt Co., Carpentersville, Ill.
VULCAN auto tools, caliper gauges, clamp lathe dogs, clamps, "C" machinists' strap, tool makers' & vise, chain pipe wrenches & vises, eye bolts, handles (balance crank & machine), hoist hooks, lathe dogs, milling machine dogs, swivels, tool holders, wire rope sockets—J. H. Williams & Co., 31 Richards, Brooklyn, N. Y.
VULCAN axe & scythe—Kelly Axe Mfg. Co., Charleston, W. Va.
VULCAN babbitt metal—North American Smelting Co., 9th & Thompson, Philadelphia, Pa.
VULCAN belt dressing—Goodyear Rubber Hose & Packing Co., 221 Chestnut, Philadelphia, Pa.
VULCAN coat & hat hooks—Wickwire Spencer Steel Corp., Worcester, Mass.
VULCAN coat & hat hooks—Parker Wire Goods Co., Worcester, Mass.
VULCAN coffee percolators, soldering irons, wax melters—Vulcan Electric Heater Co., Buffalo, N. Y.
VULCAN compressed air locomotives, power hammers—Vulcan Iron Works, Mason City, Ia.
VULCAN drag road scrapers—Sidney Steel Scraper Co., Sidney, O.
VULCAN fire alarm signal boxes—J. H. Bunnell Co., 32 Park pl, New York
VULCAN fire extinguishers—Knight & Thomas, 212 Summer, Boston, Mass.
VULCAN foot power hammers—Vulcan Iron Works Co., Mason City, Ia.
VULCAN foundry blacking—J. S. McCormick Co., 25th & A. V. R. R., Pittsburgh, Pa.
VULCAN furnace pipes—Waverly Heating & Supply Co., 52 Union, Boston, Mass.
VULCAN gas engines—Vulcan Gas Engine Works, 1827 Bainbridge, Phila., Pa.
VULCAN gas soldering furnaces, sad irons, waffle irons, melting pots, heaters, ranges, cast iron griddles & gas logs—W. M. Crane Co., 16 W. 32d, New York
VULCAN gasoline blow torches—Otto Bernz, 17-37 Ashland, Newark, N. J.
VULCAN gasoline blow torches—Bridgeport Brass Co., Bridgeport, Conn.
VULCAN hand forks—Union Fork & Hoe Co., Columbus, O.
VULCAN horse nails—Fowler Nail Co., Seymour, Conn.
VULCAN hose, packing—Empire Tire & Rubber Corp., Trenton, N. J.
VULCAN iron—Lockhart Iron & Steel Co., Pittsburgh, Pa.
VULCAN linen ledger paper—Carew Mfg. Co., S. Hadley Falls, Mass.
VULCAN lubricators—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
VULCAN packing—New York Belting & Packing Co., 91 Chambers, New York
VULCAN packings—Vulcan Asbestos Mfg. Co., W. North av., Westfield, N. J.
VULCAN pipe vises—Hilts Wrench & Mfg. Co., Richford, N. Y.
VULCAN roving cans—Jas. Hill Mfg. Co., 52 Westfield, Providence, R. I.
VULCAN screw drivers—Clement Mfg. Co., Northampton, Mass.
VULCAN shears—Merwin Mfg. Co., Erie, Pa.
VULCAN shears & punching machines—Vulcan Engineering Sales Co., 1764 Elston av, Chicago, Ill.
VULCAN spelter, brass ingots—Vulcan Louisville Smelting Co., 208 S. La Salle, Chicago, Ill.
VULCAN tube cleaners—Vulcan Soot Co., Du Bois, Pa.
VULCANITE asphalt mastic—Barber Asphalt Paving Co., Land Title bldg., Philadelphia, Pa.
VULCANITE asphalt paints, roofing, shingles—Patent Vulcanite Roofing Co., 2500 Ogden av, Chicago, Ill.
VULCANITE asphalt shingles—Vulcanite Roofing Co., 16th & Texas, San Francisco, Cal.
VULCANITE cement—Vulcanite Portland Cement Co., Land Title bldg., Philadelphia, Pa.
VULCANITE emery wheels—New York Belting & Packing Co., 91 Chambers, New York
VULCANIZED fibre timer rings—Continental Fibre Co., Newark Centre, Del.
VUL-COT waste paper baskets—American Vulcanized Fibre Co., Equitable bldg., Wilmington, Del.
W. cotton twine—Estes Mills, Fall River, Mass.
W. hollow mortising chisels—Star Bit & Tool Co., Rockford, Ill.

W. wire fences & gates—Wickwire Spencer Steel Corp., Worcester, Mass.
W. A. 30 CAL smokeless rifle powder—Hercules Powder Co., Wilmington, Del.
W. B. & C. lenses, watch crystals—Albert Berger & Co., 45 John, New York
W. C. auto-boat steerers—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
"W. C." marine steering gears—Wilcox, Crittenden & Co., Inc., Middletown, Conn.
W. C. C. antimony—Wah Chang Mining & Smelting Co., 233 Broadway, New York
W. D. paint—Dielectric Mfg. Co., 224 S. Vandeventer av, St. Louis, Mo.
W. D. M. metal face packing—Walsh Packing Co., 304 New, Phila., Pa.
W. D. W. blacksmiths' nippers—H. D. Smith & Co., Plantsville, Conn.
W. E. POTHEAD insulating compounds—Western Electric Co., 463 West, New York
W. H. MORLEY & SONS shears & scissors—Adolph Kastor & Bro., 109 Duane, New York
W. J. switch stands—Wm. Wharton, Jr., & Co., Inc., Easton, Pa.
W. J. DENNIS window brushes—W. J. Dennis & Co., 2120 W. Lake, Chicago, Ill.
W. J. POLSON'S blow-out patches, leather-fan belts, tube patches, reliners & rubber cement—W. J. Polson Co., 18th & Indiana av, Kansas City, Mo.
W-L shingle stains—Woodlife Co., 262 Fulton, Brooklyn, N. Y.
W. M. iceless refrigerators—Metal Barrel Co., Galesburg, Ill.
W. P. H., packing—Crandall Packing Co., Palmyra, N. Y.
W. P. S. leather caps & fibrous packing—Western Packing & Supply Co., 231 N. Wells, Chicago, Ill.
W. P. S. metallic packing—Western Packing & Supply Co., 231 N. Wells, Chicago, Ill.
W-S. hydraulic jacks, machinery, presses—Watson-Stillman Co., 38 Church, New York
W. S. rivet sets, tap borers—P. Lowentrout Mfg. Co., 36 Brenner, Newark, N. J.
W. 17 hot water supply boilers—H. B. Smith Co., Westfield, Mass.
W. U. C. voltage regulators—Portland Co., Portland, Me.
W. W. belt dressing—Duryea Mfg. Co., Bayonne, N. J.
W. W. wire poultry netting—Wickwire Bros., Cortland, N. Y.
W. & B. tool cases—Wedell & Boers, 157 Jefferson, Detroit, Mich.
W. & C. shock absorbers for Fords—P. H. Webber Co., Hoopeston, Ill.
W. & C. MFG. CO. bath & basin plugs—Weir & Craig Mfg. Co., 6316 Wentworth av, Chicago, Ill.
W. & E. oil tanks & pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
W. & H. ROWLAND automobile springs—Wm. & Harvey Rowland, Tacony & Lewis, Phila., Pa.
W. & M. telephone wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
W. & McD. blow-off valves, steam separators—Watson & McDaniel Co., 146 N. 7th, Phila., Pa.
W. & P. paints—Vulcanite Roofing Co., 16th & Texas, San Francisco, Cal.
W. & P. self-oiling & buffing lathes & bench grinders—Webster & Perks Tool Co., Springfield, Ohio
W. & R. jewelers' machinery—Worthington & Raymond, 71 Murray, New York
W. & R. spray pumps—Rochester Spray Pump Co., Rochester, N. Y.
W. & T. chlorinators—Wallace & Tiernan Co., Inc., 349 B'way, New York
W. TYPE feed mills—C. S. Bell Co., Hillsboro, Ohio
WABASH cement—Wabash Portland Cement Co., 1824 Ford, Detroit, Mich.
WABASH horse collar pads—Harsh-Miller Mfg. Co., Wabash, Ind.
WABASH EXPRESS coaster wagons—Wabash Mfg. Co., Terre Haute, Ind.
WACO brick—Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash.
WADE precision bench lathes—American Tool Co., 311 Atlantic av, Boston, Mass.
WADE & BUTCHERS razors—Adolph Kastor & Bros., 109 Duane, New York
WADHAMS grease cups—Wadhams Oil Co., 359 Clinton, Milwaukee, Wis.
WADSWORTH kerosene traction engines—Detroit Engine Works, Kerchal & Connors, Detroit, Mich.
WAGENHALS electric car headlights—Dayton Mfg. Co., Dayton, Ohio
WAGGONER fire buckets—Northern Fire Apparatus Co., 2422 University av, S. E. Minneapolis, Minn.
WAGNER ALL-METAL fly traps—Wagner Mfg. Co., Cedar Falls, Ia.
WAGNER bar staples, gasoline engine trucks, cupboard catches, roof brackets, sash holders, screen door hangers, braces & hinges, hay rack clamps, door pulls, coil springs & lawn spuds, sliding door latches, steering coasters—Wagner Mfg. Co., Cedar Falls, Ia.
WAGNER ware-cest aluminum & cast iron cooking utensils—Wagner Mfg. Co., Sidney, Ohio
WAGNER cold-saw cutting-off machines, metal boring machines—Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
WAGNER DAISY fly traps—Wagner Mfg. Co., Cedar Falls, Ia.
WAGNER DANGER ice chippers—Wagner Mfg. Co. Cedar Falls, Ia.
WAGNER induction motors, single phase converters—Wagner Electric Mfg. Co., 6400 Plymouth av, St. Louis, Mo.
WAGNER LEADER door hangers—Wagner Mfg. Co., Cedar Falls, Ia.
WAGNER sausage stuffers—Silver Mfg. Co., No. 256, Salem, Ohio
WAGNER & LOWE hoof parers—Lowe Mfg. Co., Enderlin, N. D.
WAGNER'S children's carriages—E. R. Wagner Mfg. Co., North Milwaukee, Wis.
WAGNER'S flue stops—Weber & Kirck Mfg. Co., Keokuk, Iowa
WAIBEL'S pitching machines, rapid branders—Cleveland Brewers' Supply Co., 1506 W 25th, Cleveland, O.
WAINWRIGHT expansion joints, steam condensers—Alberger Pump & Condenser Co., 140 Cedar, New York
WAINWRIGHT steel bound concrete curb—Steel Protected Concrete Co., Real Estate Trust bldg., Phila., Pa.
WAITE gasoline traction engines—Waite Tractor Co., Elgin, Ill.
WAKEFIELD adjustable wrenches & drop forged wrenches—Clarence E. Wakefield, Worcester, Mass.
WALCOTT chain warpers—Draper Corp., Hopedale, Mass.
WALDA sash weights—Kennedy-Stroh Corp., Pittsburgh, Pa.
WALDEN-WORCESTER wrenches—Walden-Worcester, Inc., Worcester, Mass.
WALDKIRCHER'S oscillating force pumps—Klotz Machine Co., Sandusky, Ohio
WALDO ring packing—H. Johnson Co., ft Gates av, Jersey City, N. J.
WALDO shade holders—Waldo Co., 45 E. 20th, New York
WALDO JR., sanitary drinking fountains—Trenton Potteries Co., Trenton, N. J.
WALDRON hot air furnace—Brien Heater Co., Westfield, Mass.
WALDS door bumpers—Diehl Novelty Co., Glenbeulah, Wis.
WALES adding machines—Adder Machine Co., Wilkes-Barre, Pa.
WALKER belt fasteners—R. & J. Dick, Passaic, N. J.
WALKER coal drills, mine cages, mine tipples—What Cheer Tool Co., What Cheer, Ia.
WALKER cold rolled shafting—Walker Mfg. Co., Denver, Colo.
WALKER cork pullers, ice picks, ice shavers, lemon squeezers, ice cream dishers—C. L. Walker & Co., 656 W. 12th, Erie, Pa.
WALKER farm wagons—Geo. S. Cady & Co., Moravia, N. Y.
WALKER fire hydrants—Norwood Engineering Co., Florence, Mass.
WALKER flexible joints—Crane Co., 836 S. Michigan av, Chicago, Ill.
WALKER grapple forks—G. A. Swineford Co., Canton, Ohio
WALKER hay carriers—Jackson-Byron Iron Works, Berkeley, Cal.
WALKER oil & gasoline pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
WALKER steam heaters—Walker & Pratt Mfg. Co., 33 Union, Boston, Mass.
WALKER twine holders—Universal Winding Co., Boston, Mass.
WALKER'S mane combs—Rubber & Celluloid Products Co., 56 Ferry, Newark, N. J.
WALKOVER car seats, chairs & fittings—Hale & Kilburn Co., 18th & Lehigh av, Phila., Pa.
WALLABOUT rubber hose—Gutta Percha & Rubber Mfg. Co., 126 Duane, New York
WALLACE angle benders, anti-rattlers, car racks, sign holders—Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.

WALLACE carbureters—Lucas-Wallace Mfg. Co., Paducah, Ky.
WALLACE lemon squeezers—A. C. Williams Co., Ravenna, Ohio
WALLACE DECK openers — Wallace Supplies Mfg. Co., 412 Orleans, Chicago, Ill.
WALLIS gasoline traction engines—Wallis Tractor Co., Racine, Wis.
WALLS engineers' oiling sets—P. Wall Mfg. Supply Co., 705 Preble av, N. S. Pittsburgh, Pa.
WALLWORKS portable lights—Wells Light Mfg. Co., 154 Chestnut av, Jersey City, N. J.
WALRINE leather wheels—Miller & Co., 12 William, Newark, N. J.
WALRUS asphalt roofing—Warren Chemical & Mfg. Co., 17 Battery pl, New York
WALRUS oil pump lubricators—D. T. Williams Valve Co., Cincinnati, Ohio
WALRUS rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
WALSH safety lock snaps—Walsh Safety Lock Snap Co., Bellevue, Ohio
WALSH sugar cane carrier feeders—Henry Nadler, Plaquemine, La.
WALSH window tents—Cabinet Mfg. Co., Quincy, Ill.
WALTER A., Wood reapers—Walter A. Wood, Hoosick Falls, N. Y.
WALTERS gasoline blow torches—Quadriga Mfg. & Specialty Co., 213 W. Grand av, Chicago, Ill.
WALTERS metal working planing machines—Ketchum Tool Equipment Co., Bridgeport, Conn.
WALTERS metallic shingles—National Sheet Metal Roofing Co., 339 Grand, Jersey City, N. J.
WALTHAM weather vanes—L. W. Cushing & Son, Waltham, Mass.
WALTON tap extractors—Walton Co., Hartford, Conn.
WALWITE water paints—M. Ewing Fox Co., 241 E. 136th, New York
WALWORTH genuine stillson pipe wrenches, pipe cutters, pipe vises—Walworth Mfg. Co., Boston, Mass.
WALWORTH pipe vises—Oswego Tool Co., Oswego, N. Y.
WAMPUS rubber packing—Cincinnati Rubber Mfg. Co., Cincinnati, Ohio
WAMSCO BRAND steel bearing balls—Metal Specialty Mfg. Co., Inc., 300 Aurora, Waterbury Conn.
WAMSCO BRAND balls—Metal Specialty Mfg. Co., Inc., Waterbury, Conn.
WANDS hand vacuum cleaners—Standard Mfg. Co., Syracuse, N. Y.
WANG lubricating oils & greases—Van Tilburg Oil Co., 2424 University av, Minneapolis, Minn.
WANIGAS asphalt roofing, roofing paints—Asphalt Roofing Co., Saginaw, Mich.
WANTOPAIL collapsible buckets—Pillsbury Mfg. Co., 322 Hennepin av, Minneapolis, Minn.
WAPELLO rural mail boxes—C. L. Bettler & Son, Wapello, Ia.
WARD chain pumps, double cylinder air pumps—Ward Pump Co., Rockford, Ill.
WARD desk telephone brackets, orchestra lamps—McLeod, Ward & Co., 430 11th av, New York
WARD gasoline traction engines—Ward Tractor Co., Lincoln, Nebr.
WARD safety razors—Ward Safety Razor Co., Blue Island, Ill.
WARDEN oil filters—Burt Mfg. Co., 40 Main, Akron, Ohio
WARD'S high speed & tool steel—Ward's Edgar T. Sons, 304 Hudson, New York
WARDWELL stone channeling machines—New Albany Mfg. Co., New Albany, Ind.
WARING drainage systems—Waring, Chapman & Farquhar, 874 Broadway, New York
WARING washing machines—Ed. C. Waring, Huntsville, Mo.
WARKICK screw drivers—Bridgeport Hardware Mfg. Corp., Bridgeport, Conn.
WARLIC steam heaters—Warlic Heater Mfg. Co., Frisco bldg., St. Louis, Mo.
WARMOTH-HYATT sugar disintegrators—Standard supply Co., 420 Carroll, New Orleans, La.
WARNER ammeters & voltmeters—Standard Electric Time Co., Springfield, Mass.
WARNER carriage & wagon wheels—P. Lebzelter, Son & Co., Lancaster, Pa.
WARNER cultivators—Racine-Sattley Co., Springfield, Ill.
WARNER door springs, screen door checks, wire stretchers—Arcade Mfg. Co., Freeport, Ill.
WARNER elevators, gasoline engines, pumping engines—Warner Elev. Mfg. Co., Warner, Ill.
WARNER hub bands—Eastern Malleable Iron Co., Naugatuck, Conn.



WARNER lantern holders—W. C. Ladd, Bristol, Conn.
WARNER pistols—Davis-Warner Arms Co., 96 Chambers, New York
WARNER speedometers, auto meters & speed indicators—Stewart-Warner Speedometer Corp., 1826 Diversey Parkway, Chicago, Ill.
WARNOCK pipe vises, pipe & brass wrenches—Warnock Mfg. Co., 54 Commercial, Worcester, Mass.
WARNOCK SIMPLEX brass & pipe wrenches—Warnock Mfg. Co., 54 Commercial, Worcester, Mass.
WARREN feed mangers—Rockford Steel Fixture Co., Rockford, Ill.
WARREN hay racks—Harris Mfg. Co., Salem, Ohio
WARREN metal polish—Warren Refining & Chemical Co., 9420 Meech av, Cleveland, Ohio
WARREN tuyere irons—Illinois Iron & Bolt Co., Carpentersville, Ill.
WARREN universal joints—Mutual Mach. Co., 2 Wells, Hartford, Conn.
WARREN'S pulley covering—Warren Co., Niles Mich.
WARRINER cattle stanchions—W. B. Crumb, Forestville, Conn.
WARRINGTON pile drivers' hammers—Vulcan Iron Works, 327 N. Irving av, Chicago, Ill.
WASCO billiard supplies—Wm. A. Spinks Co., 362 W Erie, Chicago, Ill.
WASCO garage self-regulating heating systems—W A. Schleit Mfg. Co., Syracuse, N. Y.
WARSAW elevators—Warsaw Elevator Co., Warsaw N. Y
WARWICK dredge chains—Newhall Chain, Forge & Iron Co., 89 West, New York
WARWOOD coal mining picks—Warwood Tool Co. Warwood, Wheeling, W. Va.
WASCO spark plugs—Washington Auto Supply Co Washington, Ill.
WASHABLE wall finish—Boydell Bros. White Lead Color Co., 40 E. Lafayette, Detroit, Mich.
WASHASH metal frame window screens—Continental Co., Book bldg, Detroit, Mich.
WASHBURN vises—Barbour Stockwell Co., Cambridge, Mass.
WASHBURNE sliding door latches—National Mfg Co., Sterling, Ill.
WASHBURNE'S O. K. paper fasteners—O. K. Mfg Co., Syracuse, N. Y.
WASHINGTON carbonators—S. Twitchell Co., 22 Vine, Phila., Pa.
WASHINGTON cement—Washington Portland Cement Co., Concrete, Wash.
WASHINGTON NO. 2 fireplace heaters—B. C. Bil Stove Co., 109 Light, Baltimore, Md.
WASHINGTON cider faucets—John Somner Fauc Co., 355 Central av, Newark, N. J.
WASHINGTON spark plugs—Washington Auto Supply Co., Washington, Ill.
WASHINGTON stoves & ranges—Gray & Dudle Hardware Co., Nashville, Tenn.
WASSON piston rings—Wasson Piston Ring Co Plainfield, N. J.
WASSON wire reels—Wasson Reel Co., Clinton, I
WATCH DOG water meters—Gamon Meter Co., Newark, N. J.
WATCHMAN'S time recorder—E. Imhauser Co., 21 B'way, New York
WATCHMEN'S time recorders—Holtzer Cabot Electri Co., 125 Amory, Boston, Mass.
WATCO red lead—Wm. Waterall & Co., Camde N. J.
VATER feed water heaters & purifiers, steam separators—Power Plant Specialty Co., Monadnock Blk., Chicago, Ill.
WATERBURY emery grinders—Blake & Johnson C 1500 Thomaston av, Waterbury, Conn.
WATERBURY hydraulic variable speed gears—Waterbury Tool Co., Waterbury, Conn.
WATERBURY lawn sprinklers—Noera Mfg. C Waterbury, Conn.
WATERBURY SEPARATE CYLINDER open batteries—Waterbury Battery Co., Waterbury, Con
WATERBURY TRACK wet batteries—Waterbu Battery Co., Waterbury, Conn.
WATERBURY UNIT CYLINDER open batteries—Waterbury, Conn.
WATERIDE flat belting—F. Raniville Co., Gra Rapids, Mich.
WATER KING waterproof belting—Bay State Be ing Co., 349 Congress, Boston, Mass.
WATERLOO BOY cream separators, cow milking m chines, gasoline engine, kerosene tractor, manu spreaders—Waterloo Gasoline Engine Co., 6 Miles, Waterloo, Ia.
WATERMAN self feeding drills—Handlan-Buck M Co., 210-14 N. 3rd, St. Louis, Mo.

WATER NYMPH cleanable collars & cuffs—The Arlington Works (E. I. du Pont de Nemours Co.), Wilmington, Del.
WATERPROOF belt cements—Druid Oak Belting Co., 111 E. Lombard, Baltimore, Md.
WATERPROOF FLAT FINISH bridge & concrete paints—Glidden Co., Madison av & Berea rd, Cleveland, O.
WATERPROOF WHITE FINISH brick & concrete paints—Glidden Co., Madison av & Berea rd, Cleveland, O.
WATERSEAL roofing cements—Thompson & Co., 857 W. North av, Pittsburgh, Pa.
WATERTIGHT battery holders—Stanley & Patterson, 23 Murray, New York
WATERSHEAD asphalt ready roofing—Safepack Mills, 727 Atlantic av, Boston, Mass
WATERTIGHT turbine water wheels—Wm. Bartley & Sons, Bartley, N. J.
WATERTITE PASTE waterproofing materials for concrete—Storm Waterproof Corp., 417 5th av, New York
WATERTOWN cylinder cocks, automatic oil valves, water gauges—Watertown Specialty Co., Watertown, N. Y.
WATER WEIGHT lawn & garden rollers—Dunham Co., Berea, Ohio.
WATER WITCH belting—N. Palmer & Co., Bridgeport, Conn.
WATERWITCH waterproof belting—Smyth-Despard Co., Utica, N. Y.
WATRES graphite lubricators—American Safety Lamp & Mine Supply Co., Scranton, Pa.
WATROUS bubbling cups, self-closing faucets, lavatory, fittings & flush pipes—Watrous Co., 524 S. Racine, Chicago, Ill.
WATROUS auger bits—C. E. Jennings & Co., 71 Murray, New York
WATROUS cocks & bibbs—Federal-Huber Co., 234 N. Halsted, Chicago, Ill.
WATROUS screen door catches, storm sash hangers —Watrous Acme Mfg. Co., Des Moines, Ia.
WATROUS urinals, flushing valves, liquid soap fixtures & water closets—Imperial Brass Mfg. Co., 524 S. Racine av, Chicago, Ill.
WATSON automatic barrel fillers, forge blowers, portable forges—Cleveland Steam Gauge Co., 1108 W. 9th, Cleveland, Ohio
WATSON clay press cocks—Trenton Brass & Machine Co., Trenton, N. J.
WATSON electric motors, electric disc fans—Mechanical Appliance Co., Milwaukee, Wis.
WATSON horse cards—L. S. Watson Mfg. Co., Leicester, Mass.
WATSON packing—M. T. Davidson Co., 154 Nassau, New York
WATSON pressure regulators—Watson & McDaniel Co., 146 N. 7th, Phila, Pa.
WATSON roof flanges—Davis-Watson Mfg. Co., Nashua, N. H.
WATSONITE sanitary flooring—Raccolith Flooring Co., Seattle, Wash.
WATT gas radiators—Robt. Watt Mfg. Co., 1701 N. 20th, Phila., Pa.
WATT plows—Call-Watt Co., Richmond, Va.
WATTERS grab buckets—Whiting Foundry Equipment Co., 140 S. Dearborn, Chicago, Ill.
WATTS blast furnaces—Va. Iron, Coal & Coke Co., Roanoke, Va.
WATTS corn shellers—Watts Mfg. Co., Jackson, Mich.
WATTS oil proof packing—John M. Watts Sons, 54 N. 2nd, Phila., Pa.
WATTS governors, brass ferrules, sewing machines & pressure regulators, speed limit engine stops, valves, steam traps, shaking grates—Watts Regulator Co., Lawrence, Mass.
WATTS LAWRENCE damper regulators—Watts Regulator Co., Lawrence, Mass.
WAUGH draft gear—Waugh Draft Gear Co., Peoples Gas bldg., Chicago, Ill.
WAUGH pneumatic drills—Denver Rock Drill Mfg. Co., Denver, Colo.
WAUGHT circle & rotary shears—Thomas Machine Co., Elmira, N. Y.
WAUKEGAN barbed wire—American Steel & Wire Co., 208 S. La Salle, Chicago, Ill.
WAUPUN water motors—Althouse-Wheeler Co., Waupun, Wis.
WAUREGAN rubber hose—National India Rubber Co., Bristol, R. I.
WAUSAU flint paper & emery cloth—Wausau Abrasives Co., 118 S. Clinton, Chicago, Ill.
WAUSELE grinding discs, abrasive cloth & sheet rolls—Wausau Abrasives Co., 118 Clinton, Chicago, Ill
WAXHAM lamps—Waxham Light Co., 318 W. 46th st, New York
WAXINE hard wax floor polish—I. H. Wiley Waxine Co., 68 Dover W., Boston, Mass.
WAXIT furniture polish—Van Tilburg Oil Co., Minneapolis, Minn.
WAX-O kraft waterproof paper—Brown Co., Portland, Me.
WAXOL carriage top dressing furniture polish—W. W. Reid Mfg. Co., 17 Caldwell, Boston, Mass.
WAXSTUFF cloth lined waterproof wrapping—Insurance Packing Mills, Brockton, Mass.
WAYCOTT brake beams—Damascus Brake Beam Co., London rd & Nickel Plate, Cleveland, Ohio
WAYMAKER automobile horns—Lee Tire & Rubber Co., Conshohocken, Pa.
WAYNE bell ringing & toy transformers—General Electric Co., Schenectady, N. Y.
WAYNE clothes washing machines, washboards—Wayne Mfg. Co., 124 Sidney, St. Louis, Mo.
WAYNE steel bins—Iron Crib & Bin Co., Wooster, Ohio
WAY'S smelting outfits—Way's Pocket Smelter Co., South Pasadena, Cal.
WEAND sprinkler nozzles, rotary screens—Merritt Hydraulic Co., 110 N. Broad, Phila., Pa.
WEAREBEST typewriter ribbons—Vacuo-Static Carbon Co., Rochester, N. Y.
WEARETTE varnish—Twin City Varnish Co., St. Paul, Minn.
WEAR-EVER aluminum hollow ware—Aluminum Cooking Utensil Co., New Kensington, Pa.
WEAR-PROOF galvanized steel mats—Wear-Proof Mat Co., 500 S. Peoria, Peoria, Ill.
WEARWELL braided cordage—Silver Lake Co., Newtonville, Mass.
WEAR WELL packing, gaskets, clutch linings, leather cups, washers—Detroit Leather Specialty Co., 275 Beecher av, Detroit, Mich.
WEAR-WELL REGAL-leather specialties — Detroit Leather Specialty Co., 275 Beecher av, Detroit, Mich.
WEAR-WRITE typewriter ribbons—Phillips Ribbon & Carbon Co., 88 Manhattan, Rochester, N. Y.
WEATHERBEST stained shingles—Transfer Stained Shingle Co., North Tonawanda, N. Y.
WEATHERED hot water heaters—Weathered Co., Orient & West End av, Jersey City, N. J.
WEATHER-QUEEN-windproof umbrellas — Wolfson Bros. Umbrella Co., 39 Broadway, New York
WEATHERITE elastic cements—Pecora Paint Co., 4th & Sedgely av, Phila., Pa.
WEATHERKING umbrellas—Wolfson Bros. Umbrella Co., 392 Broadway, New York
WEATHERPROOF rural mail boxes—Tharpe Hardware & Mfg. Co., Monroe, N. C.
WEAVER AUTO-TWIN automobile jacks—Weaver Mfg. Co., Springfield, Ill.
WEAVER feed water heaters—Jno. O'Brien Boiler Works Co., 11th & Mullanphy, St. Louis, Mo.
WEAVER automobile wrenching trucks, forcing presses—Weaver Mfg. Co., Springfield, Ill.
WEAVER'S jaw chucks—Weaver Mfg. Co., Springfield, Ill.
WEBB automobile & wire belts & flexible shafts—Webb Mfg. Co., ft. Centre, Newark, N. J.
WEBB printing presses—Ray Bros., Ashland, Mass.
WEBBER fanning mills, grain graders—Hirsch Bros., 267 Reed, Milwaukee, Wis.
WEBER subterranean compressed air systems—Weber Subterranean Pump Co., 50 E. 42d, New York
WEBCO unions—Am. Block & Mfg. Co., Warren, Ohio
WEBER concrete chimneys—Weber Chimney Co., McCormick bldg, Chicago, Ill.
WEBER electric rosettes, electric fuses, incandescent cut-outs, recepticles & pendant switches—Henry D. Sears, 80 Boylston, Boston, Mass.
WEBER farm wagons—International Harvester Co. of Am., Inc., Harvester bldg, Chicago, Ill.
WEBER gas engines, gas producers—American Gas Engine Co., Kansas City, Mo.
WEBER logging & lumber trucks & oil & pipe wagons —International Harvester Co. of Am., Inc., Harvester bldg, Chicago, Ill.
WEBER rail joints—Rail Joint Co., 61 Broadway, New York
WEBER ELECTROLIER sockets—Henry D. Sears, 80 Boylston, Boston, Mass.
WEBER PORCELAIN sockets—Henry D. Sears, 80 Boylston, Boston, Mass.
WEBER UNIVERSAL sockets—Henry D. Sears, 80 Boylston, Boston, Mass.
WEBSTER lamp adjusters, lamp guards—Frank W. Morse, 289 Congress, Boston, Mass.

WEBSTER pencil sharpeners—F. S. Webster Co., 340 Congregational, Boston, Mass.
WEBSTER steam separators—Webster, Warren & Co., Camden, N. J.
WEBSTER'S marine paint—William E. Williams, 62 Front, New York
WEDGEWOOD gas, coal & wood stoves & ranges—James Graham Mfg. Co., 53 Mission, San Francisco, Cal.
WEDG-WAY cloth laying machines—Shuttle Machine Co., 18 E. 17th, New York
WEEBER automobile mufflers, wheel pullers, shock absorbers, valve removing tools—C. F. Weeber Mfg. Co., Albany, N. Y.
WEED anti-skid chains—American Chain Co., Bridgeport, Conn.
WEEKS fixture clusters—Dale Lighting Fixture Co., 107 W. 13th, New York
WE-FU-GO filtering & purifying systems—Wm. B. Scaife & Sons Co., First Nat'l Bank bldg, Pittsburgh, Pa.
WEHES dust absorbent sweeping compounds—Pioneer Mfg. Co., Harvard av & E. 103d, Cleveland, Ohio
WEIGHTOMETER automatic weighing conveyor scales—Merrick Scale Mfg. Co., Passaic, N. J.
WEILER jacks—Oliver Mfg. Co., 326 S. Desplaines, Chicago, Ill.
WEIL-McLAIN steam heaters—J. H. McLain Co., Canton, O.
WEIMER blowing engine cylinders, gas stove burners, rolling mill trucks—Weimer Machine Works Co., Lebanon, Pa.
WEINLAND boiler cleaners, cut-off valves—Lagonda Mfg. Co., Springfield, Ohio
WEIS book cases, paper clips, postal scales, wood filing cabinets—Weis Mfg. Co., Monroe, Mich.
WEISS speed indicators—Greene, Tweed & Co., 109 Duane, New York
WEISS steam condensers—Southwark Foundry & Machine Co., 430 Washington av, Phila., Pa.
WEITMYER smokeless furnaces—Harrisburg Foundry & Machine Works, Harrisburg, Pa.
WELCO incandescent gas mantles—Welsbach Co., Gloucester City, N. J.
WELD hot water regulators—Geo. A. Weld Co., 79 Milk, Boston, Mass.
WELDAY railway braces—Signal Accessories Corp., Utica, N. Y.
WELDCO heaters—Cave Welding & Mfg. Co., Springfield, Mass.
WELDCO steam heaters & welding apparatus—Cave Welding & Mfg. Co., 32 Liberty, Springfield, Mass.
WELDEX tank heaters—Richmond Water Softener Co., Richmond, Ind.
WELDWELL welding compounds—Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.
WELLBY special valves—Beaton & Cadwell Mfg. Co., New Britain, Conn.
WELLMAN electric car headlights—Dayton Mfg. Co., Dayton, Ohio
WELLMAN melting furnaces, open hearth charging machines—Wellman-Seaver & Morgan Co., Cleveland, Ohio
WELLS electric lighting systems—R. C. Wells Mfg. Co., Fond du Lac, Wis.
WELLS floor & ceiling plates—Beaton & Corbin Mfg. Co., Southington, Conn.
WELLS multiple punching machines—Frank L. Wells Co., Kenosha, Wis.
WELLS emery tool grinders, grinders & lathes tapping machines, pipe cutters, threading dies, vises & die heads—Greenfield Tap & Die Corp'n, Greenfield, Mass.
WELL'S cutters, emery tool grinders, pipe threading dies, vises & wrenches, screw machines & die heads—Greenfield Tap & Die Corp'n, Greenfield, Mass.
WELL'S wood filing cabinets—Jos. S. Caldwell, Syracuse, N. Y.
WELLSTON pig iron blast furnace—Wellston Iron Furnace Co., Jackson, Ohio
WELSBACH reflex incandescent gas mantles & gas lamps—Welsbach Co., 1098 Filbert, Phila., Pa.
WELSH tile—Wm. H. Revis, Inc., 140 W. 42d, New York
WELTY fountain pens—Wm. A. Welty, Waterloo, Ia.
WEMAKA inner auto tubes—New Jersey Car Spring & Rubber Co., 91 Brunswick, Jersey City, N. J.
WENDELL centrifugal dryers—Link-Belt Co., 329 W. 39th, Chicago, Ill.
WENSHAW kitchen sinks—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
WENTWORTH saw vises—Sargent & Co., New Haven, Conn.
WENTWORTH saw vises—E. C. Stearns & Co., 450 Oneida, Syracuse, N. Y.
WENTZ thermostats—Thomas Yoder Mfg. Co., Engineers' bldg, Cleveland, Ohio
WENZELMANN hay rack clamps—F. E. Myers & Bro., Ashland, Ohio
WENZELMAN portable grain elevator dumps—Wenzelman Mfg. Co., Galesburg, Ill.
WERNER player pianos—M. Schultz Co., 711 Milwaukee av, Chicago, Ill.
WERNICKE flue cutters—M. B. Skinner Co., 562 W. Washington, Chicago, Ill.
WERNICK flue cutters—Jas. McCrea & Co., 562 W. Washington, Chicago, Ill.
WESCO armature coils, insulating compounds, trolley wheels—Wesco Supply Co., 7th & Clark av, St. Louis, Mo.
WESCO kalsomine, oil paints—West Coast Kalsomine Co., West Berkeley, Cal.
WESPAC canned goods—West Coast Packing Co., Long Beach, Cal.
WESTCO oil well drilling & fishing tools—Western Rope & Mfg. Co., Tulsa, Okla.
WEST hydraulic tire setters—West Tire Setter Co., Rochester, N. Y.
WESTCOTT chucks—Westcott Chuck Co., Oneida, N. Y.
WESTCOTT meters—Metric Metal Works, Erie, Pa.
WESTCOTT pipe wrenches—Keystone Mfg. Co., Buffalo, N. Y.
WESTCOTT COMBINATION lathe chucks—Westcott Chuck Co., Oneida, N. Y.
WESTCOTT LITTLE GIANT screw machine chucks—Westcott Chuck Co., Oneida, N. Y.
WESTCOTT S adjustable wrenches—Keystone Mfg. Co., Buffalo, N. Y.
WEST END trolley wheels—Albert & J. M. Anderson Mfg. Co., 289 A, Boston, Mass.
WESTERFIELD gasoline engines—Dice Machine Co., Anderson, Ind.
WESTERN bob sleds, wire stretchers—Western Steel & Iron Works, De Pere, Wis.
WESTERN brake jaws, car doors & fittings, locomotive bell ringers—Western Railway Equipment Co., Central Natl. Bank bldg., St. Louis, Mo.
WESTERN clover bunchers, hay windrowers—Walker Mfg. Co., Council Bluffs, Ia.
WESTERN corn shellers, grain cleaning & grading machinery—Union Iron Works, Inc., Decatur, Ill.
WESTERN double-acting pumps—M. A. Love Mfg. Co., Rockford, Ill.
WESTERN drag & wheel road scrapers—Western Wheeled Scraper Co., Aurora, Ill.
WESTERN dry batteries—Standard Carbon Co., Los Angeles, Cal.
WESTERN dry kilns, exhaust heads, mechanical dust collectors—J. K. Miller Co., Seattle, Wash.
WESTERN equalizers—Harvey Spring & Forging Co., Racine, Wis.
WESTERN laundry stoves—Gray & Dudley Hardware Co., Nashville, Tenn.
WESTERN lawn mowers—Dille & McGuire Co., Richmond, Ind.
WESTERN liquid polish—Western Robe Mills, 162 N. Desplaines, Chicago, Ill.
WESTERN oil & gas engines—Western Machy. Co., 900 N. Main, Los Angeles, Cal.
WESTERN oxide of iron—Western Oxide & Specialty Co., 2117 S. Jefferson, Chicago, Ill.
WESTERN safety cargo hooks—Thos. Laughlin Co., Portland, Ore.
WESTERN steel wagon skeins—Illinois Iron & Bolt Co., Carpentersville, Ill.
WESTERN sugar cane mills—C. S. Bell Co., Hillsboro, Ohio
WESTERN BELLE riding drills, listers—Moline Plow Co., Moline, Ill.
WESTERN CHIEF blacksmiths' tools—Canedy-Otto Mfg. Co., Chicago Heights, Ill.
WESTERN KING hay & corn cutter knives—Wallingford Mfg. Co., Wallingford, Vt.
WESTERN SPECIAL threshers—Huber Mfg. Co., Marion, Ohio
WESTERN STAR clothes washing machines—Wayne Mfg. Co., 124 Sidney, St. Louis, Mo.
WESTERN UNION leather splitting machines—G. W. Baker Machine Co., Wilmington, Del.
WESTERN UNIVERSAL automobile wind shields—Western Mechanical Works, Los Angeles, Cal.
WESTFAHL rasps—Westfahl File Co., 467 31st, Milwaukee, Wis.
WESTFALIA mine rescue apparatus, respirators—S. F. Hayward & Co., 250 W. 54th, New York

WESTFIELD comealongs—Eureka Co., North East, Pa.
WESTFIELD lawn mowers—Supplee-Biddle Hardware Co., 510 Commerce, Phila., Pa.
WEST HAVEN machinists' scribers & spring leaf openers—West Haven Mfg. Co., West Haven, Conn.
WESTINGHOUSE automatic slack adjusters—American Brake Co., 1932 N. Broadway, St. Louis, Mo.
WESTINGHOUSE clover hullers, threshers, gas engines & pea—Westinghouse Co., Schenectady, N. Y.
WESTINGHOUSE electric interlocking signals—Union Switch & Signal Co., Swissvale, Pa.
WESTINGHOUSE gas meters—Pittsburgh Meter Co., East Pittsburgh, Pa.
WESTINGHOUSE prime movers & auxilliaries, steam turbines, electrical apparatus, arc lamps—Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
WESTINGHOUSE valve testing device—Westinghouse Air Brake Co., Pittsburgh, Pa.
WESTLUND friction clutches, cut-off couplings, sash locks, engine & screw cutting lathes—C. G. Westlund Co., 498 Millbury, Worcester, Mass.
WESTMAN gasoline engines—Enterprise Machinery Co., 1600 8th, Minneapolis, Minn.
WESTMARK flue rattlers—Mann-McCann Co., Fisher bldg., Chicago, Ill.
WESTMINSTER paris white—H. F. Taintor Mfg. Co., 2 Rector, New York
WESTMORELAND sight feed lubricators—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
WESTON centrifugal dryers, hydro-extractors—American Tool & Machine Co., 10 High, Boston, Mass.
WESTON chain hoists—Clinton E. Hobbs, 12 Pearl, Boston, Mass.
WESTON linen ledger paper, loose leaf paper—Weston Byron Co., Dalton, Mass.
WESTON ratchet drills—Keystone Mfg. Co., Buffalo, N. Y.
WESTON'S ratchet drills—Irving Mfg. & Tool Co., 157 Chambers, New York
WESTOVER draft gauges, combustion indicators—American Safety Lamp & Mine Supply Co., Scranton, Pa.
WESTOWL paper towels—West Disinfecting Co., 411 5th av, New York
WEST'S ENAMEL carriage top dressing—L. M. West's Sons, Rockford, Ill.
WEST SIDE cut-off saws—West Side Iron Works, Grand Rapids, Mich.
WEST TEXAS well drilling machinery—San Antonio Machine & Supply Co., San Antonio, Texas.
WETHRPRUFE cement bags—West Jersey Paper Mfg. Co., Camden, N. J.
WETITE waterproof belting—New York Leather Belting Co., 465 Kent av, Brooklyn, N. Y.
WETPRUFE belting—Hide, Leather & Belt Mfg. Co., 227 S. Meridian, Indianapolis, Ind.
WETTING step ladders—Bent Rung Ladder & Mfg. Co., Indiana, Pa.
WEW valves, check, cross, gate, relief, regrinding, snifting, & throttle—Wm. E. Williams, 62 Front, New York
WEXFORD motor taping & rubber coated cloth—L. C. Chase & Co., 89 Franklin, Boston, Mass.
WHALE belting—Moloney Belting Co., 130 N. Franklin, Chicago, Ill.
WHALE-BONE-ITE closet seats—Brunswick-Balke-Collender Co., 629 S. Wabash av, Chicago, Ill.
WHALEN planer tools—Cincinnati Planer Co., Cincinnati, Ohio
WHALL'S rail insulating joints—C. H. Whall Co., 170 Summer, Boston, Mass.
WHARTON standard guard rail clamps—Wm. Wharton, Jr., & Co., Inc., Easton, Pa.
WHARTON-O'BRIEN headrods, insulated operating & lock rods—Wm. Wharton, Jr., & Co., Inc., Easton, Pa.
WHAT CHEER axes, hand saws, hatchets, mining picks—What Cheer Tool Co., What Cheer, Ia.
WHATMAN filter paper—Eimer & Amend, 205 3d av, New York
WHEATCRAFT coffee roasters—Originator Manufacturing Co., 302 Broadway, New York
WHEATLEY belt dressing, carbon removers—Panama Oil & Grease Co., 159 W. 51st, New York
WHEATON wire rope clamps—C. M. Wheaton & Co., Sunbury, Ohio
WHECO drop forgings—Marine Hardware Equipment Co., S. Portland, Me.
WHEELER reflectors, electric lamp hoods, mirror shades—Wheeler Reflector Co., 156 Pearl, Boston, Mass.
WHEELER sidewalk snow plows—Dyar Supply Co., Cambridge, Mass.
WHEELER steam condensers, steam engines, feed water heaters, vacuum pumps, vacuum pans—Wheeler Condenser & Engineering Co., Carteret, N. J.
WHEELER-BALCKE water cooling towers—Wheeler Condenser & Engineering Co., Carteret, N. J.
WHEELER-BARNARD water cooling towers—Wheeler Condenser & Engineering Co., Carteret, N. J.
WHEELER-PRATT water cooling towers—C. H. Wheeler Mfg. Co., Lehigh & N. 18th, Philadelphia, Pa.
WHEELER & WILSON carriage bows—Eureka Bending & Wheel Works, York, Pa.
WHEELER & WILSON carriage bows—Metropolis Bending Co., Metropolis, Ill.
WHEELER'S wood fillers—Bridgeport Wood Finishing Works (du Pont), Phila., Pa.
WHEELING oil cans, stove pipe dampers—Whitaker-Glessner Co. (Wheeling Corrugating Dept.), Wheeling, W. Va.
WHICH WILL WIN plumbers' & miners' candles—Standard Oil Co., of N. Y., 555 W. 25th, New York
WHIPP metal shaping machines—Whipp Machine Tool Co., Sidney, Ohio
WHIRLPOOL basting spoons—Ira F. White & Son Co., Bloomfield, N. J.
WHIRLPOOL water power washers—Cooper Sanitary Mfg. Co., 47th & Cuthbert, Philadelphia, Pa.
WHIRLWIND barn door hangers—J. E. Porter Co., Ottawa, Ill.
WHIRLWIND feed cutters—Wilder-Strong Implement Co., Monroe, Mich.
WHIRLWIND soot blowers—General Specialty Co., Buffalo, N. Y.
WHIRLWIND BLAST anti-clinker irons—Champion Blower & Forge Co., Lancaster, Pa.
WHISLER nut splitters—John Whisler, Gibson, Ia.
WHITAKER door hangers, garden cultivators, grapple forks—Whitaker Mfg. Co., 409 S. Green, Chicago, Ill.
WHITCOMB barn door latches—Albany Hardware Specialty Mfg. Co., Albany, Wis.
WHITCOMB mining drills, lock valves—Geo. D. Whitcomb Co., Rochelle, Ill.
WHITE belting—Western Raw Hide & Belting Co., 600 So. Pierce, Milwaukee, Wis.
WHITE gasoline engines—Eau Claire Mfg. Co., Eau Claire, Wis.
WHITE'S CHILLED grub breaking plows—S. R. White's Sons, Norfolk, Va.
WHITE canoes, motor boats—E. M. White & Co., Old Town, Me.
WHITE enamels—Edw. Smith & Co., 127 West av, Long Island City, N. Y.
WHITE knife switches, light switchboards—Eynon-Evans Mfg. Co., N. 15th & Clearfield, Philadelphia, Pa.
WHITE mop wringers—White Mop Wringer Co., Fultonville, N. Y.
WHITE paper cutting machines—E. C. Fuller Co., 28 Reade, New York
WHITE paper mill screens—J. & W. Jolly (Inc.), Holyoke, Mass.
WHITE saw swages—Phoenix Mfg. Co., Eau Claire, Wis.
WHITE BEAR hydrated lime—Hannibal Lime Co., Hannibal, Mo.
WHITE BIRD kitchen sets—Cassady Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
WHITE BUFFALO reclaimed rubber—U. S. Rubber Reclaiming Works, 42nd st bldg., New York.
WHITE CEDAR cylinder churns—Richmond Cedar Works, Fulton, Richmond, Va.
WHITE CEMENT ENAMEL paints—Glidden Varnish Co., Madison av & Berea rd, Cleveland, O.
WHITE CITY ice picks & shavers & savings banks—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
WHITE COPAL enamels—Newark Varnish Works, 111 Delancey, Newark, N. J.
WHITE CROSS electric hair dryers, motors, medical batteries, massage vibrators, electric sad irons—Lindstrom-Smith Co., 3212 W Lake, Chicago, Ill.
WHITE CROSS rubber hose—Home Rubber Co., Trenton, N. J.
WHITE CROSS surgical gauze—American Gauze & Cotton Co., Inc., 407 N. 8th, St. Louis, Mo.

WHITE DAISY hand washing machines—White Lily Mfg. Co., Davenport, Ia.
WHITE DEER packing—La Favorite Rubber Mfg. Co., Hawthorne, N. J.
WHITE DIAMOND buffing compositions—Matchless Metal Polish Co., 151 Varick, New York
WHITEDGE typewriter ribbons—H. M. Storms Co., 11 Vandewater, New York
WHITE enamel rubber packing—Manhattan Rubber Mfg. Co., Passaic, N. J.
WHITE END open hearth steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
WHITEHALL cement—Whitehall Cement Mfg. Co., Cementon, Pa.
"WHITE HAT" fishing tackle—Treman, King & Co., Ithaca, N. Y.
WHITE HEN glass washbards—National Washboard Co., 72 W. Adams, Chicago, Ill.
WHITEHOUSE bread toasters—Roseland Can & Specialty Co., Rockford, Ill.
WHITE HOUSE kitchen cabinets—Cummings Jas. H., 53 W. Jackson blvd, Chicago, Ill.
WHITE KING fire hose—B. F. Goodrich Co., Akron, Ohio
WHITELEY'S CROMON steel castings—Whiteley Malleable Castings Co., Muncie, Ind.
WHITE LIGHT MANTLE kerosene lamp burners—Wheeling Stamping Co., Wheeling, W. Va.
WHITE LILY hand washing machines—White Lily Mfg. Co., Davenport, Ia.
WHITE LILY pork products, hams & butter—Dunlevy Packing Co., Hamilton av & Enterprise, Pittsburgh, Pa.
WHITEMORE'S belt dressing—Plomo Specialty Mfg. Co., Belmont bldg., Cleveland, O.
WHITEMORE'S gear protective composition—Whitemore Mfg. Co., Iron Ct. & Erie Ry., Cleveland, O.
WHITE MOUNTAIN fruit & vegetable parers—Goodell Co., Antrim, N. H.
WHITE MOUNTAIN ice cream freezers—White Mountain Freezer Co., Nashua, N. H.
WHITE OPALITE rolling pins—Imperial Mfg. Co., Cambridge, Ohio
WHITE PYRALIN bath room fixtures & furnishings—Church, C. F. Mfg. Co., Holyoke, Mass.
WHITE ROCK linen ledger paper—W. B. Oglesby Paper Co., Middletown, Ohio
WHITE ROCK wood fibre plaster—American Cement Plaster Co., Lawrence, Kans.
WHITE ROSE cold water paints—Columbia Refining
WHITE SEAL canvas belting—Victor Balata & Textile Belting Co., 38 Murray, New York
WHITE SEAL hydraulic packing—Hewitt Rubber Co., Buffalo, N. Y.
WHITE SEAL oxide of zinc—New Jersey Zinc Co., 160 Front, New York
WHITE SOUTHERN marble—Georgia Marble Co., Tate, Ga.
WHITE SQUADRON packing—Caucos Mfg. Co., 146 N. 2nd, Philadelphia, Pa.
WHITE STAR dry batteries—White Star Battery Co., 126 Chambers, New York
WHITE STAR hydrated lime—Louisville Cement Co., Louisville, Ky.
WHITE STAR oil filters, oil storage tanks—Pittsburgh Gage & Supply Co., 30th & Liberty av, Pittsburgh, Pa.
WHITE STAR valves—Wm. Powell Co., Cincinnati, Ohio
WHITE STAR white & red lead—W. W. Lawrence & Co., Pittsburgh, Pa.
WHITE STAR BRAND wipers—Sanitary Bag Co., Kalamazoo, Mich.
WHITE strip belting—Chicago Belting Co., 125 N. Green, Chicago, Ill.
WHITFIELD carbon paper—Whitfield Carbon Paper Works, 33 Sullivan, New York
WHITING saw sets—Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
WHITIRE automobile tire coating—Sam'l H. French & Co., 4th & Callowhill, Philadelphia, Pa.
WHITLOCK double lap joint pipe—Whitlock Coil Pipe Co., Hartford, Conn.
WHITMAN root cutters—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
WHITNEY car wheels—Enterprise Foundry & Machine Works, Bristol, Tenn.
WHITNEY car wheels—Sanford-Day Iron Works, Knoxville, Tenn.
WHITNEY cotton hooks—Sargent & Co., New Haven, Conn.
WHITNEY key-seating machines—Whitney Mfg. Co., Hartford, Conn.



WHITNEY mailing boxes—Jencks Paper Box Co., 45 Waldo, Providence, R. I.
WHITNEY portable punches—Whitney Metal Tool Co., Rockford, Ill.
WHITNEY ratchet drill stock—Pratt & Whitney Co., Hartford, Conn.
WHITNEY traction engines—Ohio Mfg. Co., Upper Sandusky, Ohio
WHITNEY window casement adjusters—H. E. Holbrook Co., 200 Devonshire, Boston, Mass.
WHITON centering machines, gear cutting machines & lathe chucks—D. E. Whiton Machine Co., New London, Conn.
WHITTIER oven thermometers—Cooper Oven Thermometer Co., Pequabuck, Conn.
WHITTINGHAM quick break tank switch—Automatic Switch Co., 4 White, New York
WHITTINGHAM reversing motor switches—Automatic Switch Co., 4 White, New York
WHITTINGHAM rheostats—D. H. Darrin, 4 White, New York
WHITTINGTON pipe vises—Whittington-Vaughn Co., Easton, Pa.
WHITTLES cloth feeders—Tillotson Humidifier Co., 78 Fountain, Providence, R. I.
WHITTON bottle filling machines—U. S. Bottlers' Machy Co., 2511 Park, Chicago, Ill.
WHIZ automobile oil soap, auto top dressing, cutlery polish, lubricating oils & greases, valve grinding compounds—R. M. Hollingshead Co., Camden, N. J.
WHIZ hand soap—Davies, Young Soap Co., Dayton, Ohio
WIARD'S standard washing machines—Wiard Mfg. Co., E. Avon, N. Y.
WICCAPEE rubber belting—New York Rubber Co., 84 Reade, New York
WICK shovels, spades & scoops—Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
WICKERSHAM American boiler oil feeders—John M. Watt's Sons, 54 N. 2nd, Philadelphia, Pa.
WICKES water tube boilers—Wickes Boiler Co., Saginaw, Mich.
WICKS life boat releasing hooks—David Kahnweiler's Sons, 260 Front, New York
WICO spark coils — Witherbee Igniting Co., 1904 Broadway, New York
WIDDOWSON stave jointing machines—Rochester Barrel Machine Works, Rochester, N. Y.
WIDE world barrel spray pumps—Brandt Mfg. Co., 310 3d av, Minneapolis, Minn.
WIEDEKE flue cutters—Gustav Wiedeke & Co., Dayton, Ohio
WIEDERHOLDT concrete chimneys—Wiederholdt Construction Co., Mechanics Amer. Bank bldg., St. Louis, Mo.
WIES shovels, spades & scoops—Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
WIG-WAG crossing signals—Railroad Supply Co., 203 S. Dearborn, Chicago, Ill.
WILBERN barn door hangers—Stowell Co., So. Milwaukee, Wis.
WILBERN ADJUSTABLE barn, car, elevator & fire door hangers—Stowell Co., S. Milwaukee, Wis
WILCO COLORINE for coloring incandescent lamps—Guy V. Williams Co., Inc., 686 11th av, New York
WILCO hardware—Williams Hardware Co., Clarksburg, W. Va.
WILCOX door hangers, manual training benches, sickle grinders, wagon jacks, vises—Richards-Wilcox Mfg. Co., Aurora, Ill.
WILCOX fireproof doors & mouldings—Cal. Fireproof Door Co., 1931 So. Los Angeles, Los Angeles, Cal.
WILCOX gate valves, pipe fittings—Coldwell-Wilcox Co., Newburgh, N. Y.
WILCOX metallic gaskets—E. A. Wilcox Mfg. Co., 6330 Stony Island av, Chicago, Ill.
WILCOX STAY-ON door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
WILCOX-TANDEM barn door hangers—Richard Wilcox Mfg. Co., Aurora, Ill.
WILCOX WORLD WIDE door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
WILD rock & ore crushers, mining screens—Morse Bros., Machy. & Supply Co., Denver, Colo.
WILD DUCK black oil duck—Chandler Oil Cloth & Buckram Co., Taunton, Mass.
WILDE shoveling & end gate boards—Klondike Incubator Co., Des Moines, Ia.
WILDER thermometers—Wilder-Pike Thermometer Co., Troy, N. Y.
WILEY faucet tanks & oil cabinets—New York Oil Cabinet Co., 103 Walker, New York
WILDFIRE airtight stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.

WILEY oil cabinets, oil filters, oil tanks—N. Y. Oil Cabinet Co., 103 Walker, New York
WILEY'S WAXENE floor finish—I. H. Wiley Waxene Co., 68 Dover W., Boston, Mass.
WILFLEY ore concentrators & slime tables—Mine & Smelter Supply Co., 42 B'way, New York
WILGUS fuel oil pumping systems, pump governors—Wilgus Mfg. Co., Los Angeles, Cal.
WILHELM paint & varnish remover—A. Wilhelm Co., Reading, Pa.
WILHELME range boilers—Hayes Mfg. Co., Paterson, N. J.
WILKE STUDIO china kilns—Lavelle Foundry Co., Anderson, Ind.
WILKINS gauge glass cutters—G. H. Wilkins, 57 W. Lake, Chicago, Ill.
WILKINS joint runners & gauge glass cutters—Leo H. Wilkins Co., 180 N. Market, Chicago, Ill.
WILKINSON SHEFFIELD, ENGLAND, IMP. sheep shears—Wiebusch & Hilger, 106 Lafayette, New York
WILKINSON steam turbines—American & British Mfg. Co., Charles, Providence, R. I.
WILKS hot water heaters—S. Wilks Mfg. Co., 3517 Shields av, Chicago, Ill.
WILLARD storage batteries—Willard Storage Battery Co., E. 31st & St. Clair, Cleveland, Ohio
WILLCOX feed water weighers—Willcox Engineering Co., 1525 Holland av, Saginaw, Mich.
WILLETT-BRUCE automatic whistle control—McNab Co., Bridgeport, Conn.
WILLEY brick ovens—Evans & Eichner, 29 W. Lake, Chicago, Ill.
WILLEY electric motors, portable electric drills—Jas. Clark, Jr., Electric Co., Louisville, Ky.
WM. BEATTY & SONS broad axes, hedge knives & picks—John B. Black Co., Chester, Pa.
WM. PENN reclaimed rubber—Manufactured Rubber Co., Franklin Bank bldg., Philadelphia, Pa.
WILLIAMS automobile wind shields—Twentieth Century Garage, South Bend, Ind.
WILLIAMS diesel oil engines—Dow Pump & Diesel Engine Co., San Francisco, Cal.
WILLIAMS gasoline strainers—D. T. Williams Valve Co., Cincinnati, Ohio
WILLIAMS gauge cocks, pump governors, safety water columns, steam operated traps, water gauges—Williams Gauge Co., 543 4th av, Pittsburgh, Pa.
WILLIAMS hospital stretchers—Wheeling Tent & Awning Co., Wheeling, W. Va.
WILLIAMS maple sugar evaporators—Vermont Farm Machine Co., Bellows Falls, Vt.
WILLIAMS CANTSLIP horseshoes, removable screw calks—Williams Drop Forging Co., Scranton, Pa.
WILLIAMSON cork screws, champagne taps—C. T. Williamson Wire Novelty Co., Badger av, Newark, N. J.
WILLIAMSON hoisting engines—American Engineering Co., Aramingo & Cumberland, Phila., Pa.
WILLIAMSON steam & water heaters—Williamson Foundry Co., Marburg av, Oakley, Cincinnati, Ohio
WILLIAMSPORT wire rope—Virginian Electric & Machine Works, Charleston, W. Va.
WILLIS planimeters—Jas. L. Robertson & Son, 78 Murray, New York
WILLIS sap spouts—Hunting Co., Watertown, N. Y.
WILLIS ventilators—Willis Mfg. Co., Galesburg, Ill.
WILLIS wattmeters—Federal Electric Co., 640 W. Lake, Chicago, Ill.
WILLMARC coffee hulling machinery—Wm. L. Dines, Jr., Co., Worcester, Mass.
WILLOWARE willow baskets—Burlington Willo-Ware Shops, Burlington, Ia.
WILLS axle gauges—Badger State Machine Co., Janesville, Wis.
WILLSON safety eye protectors for workmen & glasses—Willson Goggle, Inc., Reading, Pa.
WILLSTICK mucilage, photographers' paste—Continental Mfg. Co., 4611 Girard, Phila., Pa.
WILLYS-LIGHT electric light plants—Willys Light Der Electric Auto Lite Corp., Toledo, Ohio
WILMINGTON garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
WILMINGTON leather fleshing & slating machines—G. W. Baker Machine Co., Wilmington, Del.
WILMOT sewing machine oilers—Hero Mfg. Co., Gaul & Adams, Phila., Pa.
WILPACO packing—Crandall Packing Co., Palmyra, N. Y.
WILSON belt fasteners—Angell Belt Hook Co., 16 Warren av, Providence, R. I.
WILSON belt fasteners—Sawyer Belt Hook Co., Pawtucket, R. I.
WILSON belt fasteners—W. O. Talcott, 91 Sabin, Providence, R. I.
WILSON bung spouts & fishing tackle boxes—A. C. Kraft, 323 W. Lake, Chicago, Ill.
WILSON filters—Norwood Engineering Co., Florence, Mass.
WILSON fishing tackle boxes—Wilson F. Cortez Co., 159 W. Lake, Chicago, Ill.
WILSON pipe cutting & threading machinery—Universal Machine Co., Bowling Green, Ohio
WILSON phonograph—Thos. E. Wilson & Co., 727 N. Sangamon, Chicago, Ill.
WILSON portable fire escapes—S. F. Hayward & Co., 250 W. 54th, New York
WILSON railway crossing gates—Kalamazoo Railway Supply Co., Kalamazoo, Mich.
WILSON railway track drills—Buda Co., Railway Exchange bldg., Chicago, Ill.
WILSON rubber tires—Wilson Tire & Rubber Co., Springfield, Ill.
WILSON shaft springs—Robert P. Wilson, 320 Market, Newark, N. J.
WILSON shovels, spades & scoops—Hubbard & Co., 63d & Butler, Pittsburgh, Pa.
WILSON trace carriers—North & Judd Mfg. Co., New Britain, Conn.
WILSON trolley catchers & retrievers—Wilson & Co., 108 N. 6th, Brooklyn, N. Y.
WILSON water filters—E. L. Dean Machine Co., Holyoke, Mass.
WILSON BROS. bobbins & shuttles—Leigh & Butler, 232 Summer, Boston, Mass.
WILTBONCO water gauges—Wiltbonco Mfg. Co., 24 Porter, Boston, Mass.
WILTON locking cocks—Wilton Mfg. Co., Wrightsville, Pa.
WILWEAR bathroom fixtures—Novelty Mfg. Co., Waterbury, Conn.
WINALL padlock locks—U. S. Lock & Hardware Co., Columbia, Pa.
WINCHESTER nut crackers & picks—Cassady, Fairbank Mfg. Co., 6126 S. La Salle, Chicago, Ill.
WINCHESTER rifles, skates, knives, scissors, etc.—Winchester Repeating Arms Co., New Haven, Conn.
WINCROFT hot plate—Wincroft Stove Works, Middletown, Pa.
WINDEJAMMER pumps—Motor Car Supply Co., 1453 Michigan av, Chicago, Ill.
WINDJAMMER tire air pumps—Bridgeport Brass Co., Bridgeport, Conn.
WINDOWPHANIE stained glass substitutes—Windowphanie Co., 19 E. 14th, New York
WINDSOR drop forged axle clips—Keystone Forging Co., Northumberland, Pa.
WINDSOR fire place heaters—Bartlett Hayward Co., Scott & McHenry, Baltimore, Md.
WINDSOR rubber horse shoe pads—Firestone Tire & Rubber Co., Akron, Ohio
WINFIELD electric welding machines—Winfield Electric Welding Machine Co., Warren, Ohio
WING turbine blowers—L. J. Wing Mfg. Co., 352 W. 13th, New York
WING HORTON mailing machines—Chauncey Wing's Sons, Greenfield, Mass.
WINGO grease cups—Lunkenheimer Co., Beekman & Waverly, Cincinnati, Ohio
WINIR steel sheet—Canton Sheet Steel Co., Canton, Ohio
WINKLEY oil hole covers & cups, dowel pins—Bowen Corp., Detroit, Mich.
WINN belt dressing, boiler compounds, cold water paints—Wm. R. Winn, 488 Cherry, New York
WINN door holder—B. B. Neal Hardware Co., 117 Leonard, New York
WINNDER currycombs—Weber & Kirch Mfg. Co., Keokuk, Ia.
WINNER boiler compound—Winner Co., 30 Church, New York
WINNER clothes lines—Estes Mills, Fall River, Mass.
WINNER clothes washing machines—New Favorite Mfg. Co., 183 W. Maple, Chicago, Ill.
WINNER clothes washing machines—Wayne Mfg. Co., 124 Sidney, St. Louis, Mo.
WINNER cordage & twine—American Mills Co., Atlanta, Ga.
WINNER equalizers—Harvey Spring & Forging Co., Racine, Wis.
WINNER feed carriers—Owantonna Mfg. Co., Owantonna, Minn.
WINNER feed cookers—Star Tank Co., Goshen, Ind.
WINNER grain graders—American Grain Separator Co., Minneapolis, Minn.
WINNER lawn swings—Goshen Churn & Ladder Co., Goshen, Ind.

WINNER oil—Texas Company, 17 Battery pl, New York
WINNER steam traps—Winner Co., 30 Church, New York
WINONA enameled iron bath tubs—McVay-Walker Co., Braddock, Pa.
WINONA farm wagons—Winona Wagon Co., Winona, Minn.
WINSLOW strength computing rules—Geo. W. Richardson, 4212 W. 24th pl, Chicago, Ill.
WINSLOW strength computing rules—Henry W. Tomlinson, 62 E Van Buren, Chicago, Ill.
WINSTON-SALEM rural mail boxes—Brickenstein, L. B., Winston-Salem, N. C.
WINTER wagon jacks—Pioneer Pole & Shaft Co., Piqua, Ohio
WINTERS wharf drop gearing—American Engineering Co., Aramingo & Cumberland, Phila., Pa.
WINTHROP stoves—Dighton Foundry Co., Taunton, Mass.
WINZE mine hoists—Wellman-Seaver-Morgan Co., Cleveland, Ohio
WIREDUCT non-metallic flexible conduits—American Conduit Mfg. Co., Keystone bldg., Pittsburgh, Pa.
WIRE HOOD saw guards—Zeiller & Nagel, 233 Java, Brooklyn, N. Y.
WIRELESS rubber vehicle tires—B. F. Goodrich Co., Akron, Ohio
WIRETOP muslin bags—Bemis Bro. Bag Co., 601 S. 4th, St. Louis, Mo.
WIRT'S fire hose reels, garden hose reels—Wirt & Knox Mfg. Co., 23d & York, Phila., Pa.
WISCO bath fixtures & plumbers' goods—J. B. Wise, Inc., Watertown, N. Y.
WISCONSIN concrete mixers, feed grinding mills, gasoline engine trucks & governor pulleys—Wisconsin Farm Implement Co., Beloit, Wis.
WISCONSIN fire extinguishers—Badger Chemical Mfg. Co., 221 Grant, Milwaukee, Wis.
WISCONSIN gas engines—Lauson-Lawton Co., De Pere, Wis.
WISCONSIN RUBY red granite—Anderson Bros. & Johnson Co., Wausau, Wis.
WISE hot air furnaces—Wise Furnace Co., Akron, Ohio
WISE iceless soda water fountains—Wise Soda Apparatus Co., Bellevue, Ohio
WISE sulphur burners—Carthage Machine Co., Carthage, N. Y.
WISS tinners' snips—J. Wiss & Sons Co., 31 Littleton av, Newark, N. J.
WITCH air tight stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
WITCH-ELK baseball & athletic shoes—Witchell-Sheill Co., 168 Brooklyn, Detroit, Mich.
WITHAM screen plate fasteners—Union Screen Plate Co., Fitchburg, Mass.
WITHAN battery charging rheostats—E. Marcuson, 70 Cortland, New York
WITHERBEE storage battery igniter—Witherbee Igniter Co., 1904 Broadway, New York
WITROLAC varnish—Harrison's, Inc., 35th & Gray's Ferry rd, Philadelphia, Pa.
WITMER cooking ranges—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
WITTINGHAM motor charging rheostats—Automatic Switch Co., 4 White, New York
WITT'S garbage pails—Witt Cornice Co., 2118 Winchell av, Cincinnati, Ohio
WIZARD adjustable wrenches—Clarence E. Wakefield, Worcester, Mass.
WIZARD airtight stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
WIZARD bag cleaning machines—T. G. White, Cedar Rapids, Ia.
WIZARD cigar lighters—Eldred Mfg. Co., 46 W. Kinzie, Chicago, Ill.
WIZARD door hangers—Safety Door Hanger Co., Ashland, Ohio
WIZARD drill chucks, drill speeders, turret tap holders, twist drill collets—McCrosky Reamer Co., Meadville, Pa.
WIZARD dry batteries—Stackpole Carbon Co., St. Marys, Pa.
WIZARD electric bells—Ansonia Electrical Co., Ansonia, Conn.
WIZARD garden cultivator—Empire Plow Co., 3140 E. 65th, Cleveland, O.
WIZARD gas igniters—Hercules Electric Co., Indianapolis, Ind.
WIZARD hickory handles—Hartzell Handle Co., Harvey, Ill.
WIZARD insulating tape, suction hose—Boston Woven Hose & Rubber Co., Cambridge, Mass.
WIZARD lawn mowers—Worcester Lawn Mower Co., Worcester, Mass.



WIZARD mops—Wizard Products Co., 1444 W. 37th, Chicago, Ill.
WIZARD numbering machines—Bates Mfg. Co., 50 Church, New York
WIZARD pasteurizers—Creamery Package Mfg. Co., 61 W. Kinzie, Chicago, Ill.
WIZARD spark plugs—Hampshire Mfg. Co., Hatfield, Mass.
WIZARD wrenches—Richards-Wilcox Mfg. Co., Aurora, Ill.
WIZZARD seed corn dryers—J. Q. Clarke Tank Co., Crawfordsville, Ind.
WOLHAUPTER shoulder flange flat bottom combination plates—Railroad Supply Co., 203 S. Dearborn, Chicago, Ill
WOLF cold tire setters—Geo. S. Comstock & Son, Mechanicsburg, Pa.
WOLF miners' safety lamps—Wolf Safety Lamp Co. of America, 227 Grand av, Brooklyn, N. Y.
WOLF-TYPE miners' safety lamps—American Safety Lamp & Mine Supply Co., Scranton, Pa.
WOLFRAM high speed steel—Vulcan Crucible Steel Co., Aliquippa, Pa.
WOLF'S head lubricating oils & greases—Wolverine Lubricants Co. of New York, 44 Whitehall, New York
WOLHAUPTER rail joints—Rail Joint Co., 61 B'way, New York
WOLVERINE belt lacing, clutch linings, shims—National Leather Mfg. Co., Niles, Mich.
WOLVERINE cement mfrs.—Wolverine Portland Cement Co., Coldwater, Mich.
WOLVERINE flexible pipe cleaning augers—centrifugal traps, flushing valves, tap plugs—Wolverine Brass Works, Grand Rapids, Mich.
WOLVERINE gas engines—Wolverine Motor Works, Bridgeport, Conn.
WOLVERINE hay presses—Ypsilanti Hay Press Co., Ypsilanti, Mich.
WOLVERINE hog rings—Heesen Bros. Co., Tecumseh, Mich.
WOLVERINE hog rings—Wm. E. Pratt Mfg. Co., 35 W. Lake, Chicago, Ill.
WOLVERINE metallic discs—Strong Machinery & Supply Co., 21 Walker, New York
WOLVERINE motor trucks—American Commercial Car Co., Detroit, Mich.
WOLVERINE show cases—Michigan Show Case Co. 480 Fort W., Detroit, Mich.
WOLVERINE ventilating sash locks & pot cover racks—Wolverine Supply & Mfg. Co., Page & Fontella, Pittsburgh, Pa.
WOMEN'S FRIEND clothes washing machines—Fosston-Carpenter Co., St. Paul, Minn.
WONDER ash sifters—H. E. Hessler Co., Syracuse, N. Y.
WONDER cement—Harrison Supply Co., 209 Washington, Boston, Mass.
WONDER chain attachments, drills—Grabler Mfg. Co., Cleveland, Ohio
WONDER coal drills, pneumatic rock drills, pneumatic chipping & calking hammers—pneumatic riveters, drill sharpening machines—Hardsocg Wonder Drill Co., Ottumwa, Ia.
WONDER copper floats—American Pin Co., Waterbury, Conn.
WONDER flush plugs—Bryant Electric Co., Bridgeport, Conn.
WONDER grain cleaning machinery—Ghent Mfg. Co., Ghent, Minn.
WONDER lubricators—D. T. Williams Valve Co., Cincinnati, Ohio
WONDER pipe bending machines—American Pipe Bending Mach. Co., 39 Pearl, Boston, Mass.
WONDER stove lids—Standard Utilities Corp., Scranton, Pa.
WONDER tube cleaners—A. W. Chesterton Co., 64 India, Boston, Mass.
WONDER washing machines—Victor Mfg. Co., Leavenworth, Kan.
WONDERFUL garden hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
WONDERFUL harness awls—C. A. Myers Awl Co., 6316 University av, Chicago, Ill.
WONDERFUL metal polish—Borsum Bros., 227 Fulton, New York
WONDERSEAL roofing cements—Republic Paint & Lead Wks., 5716 Euclid av, Cleveland, Ohio
WONDERTONE talking machines—Wondertone Phonograph Co., 19 W. Jackson blvd, Chicago, Ill.
WONDER TEN concrete mixers—Waterloo Cement Machinery Corp, Waterloo, Ia.

WONDER WORKER belt dressing, carbon removers, carriage top dressing, metal polish, valve grinding compounds—Hall-Thompson Co., Hartford, Conn.
WONT-BURN fry pans—New England Enameling Co., Middletown, Conn.
WONT-MAR floor finish—Wm. Harland & Son, Buffalo, N. Y
WONT ROLL punches & nail sets—West Haven Mfg. Co., West Haven, Conn.
WONT SLIP chair tips, rubber heels—C. J. Bailey & Co., 22 Boylston, Boston, Mass.
WONT-SLIP removable screw calks—James Reynolds Mfg. Co., New Haven, Conn.
WOOD gas producers—R. D. Wood & Co., 400 Chestnut, Phila., Pa.
WOOD BROS. traction engines—Wood Bros. Thresher Co., Des Moines, Ia.
WOOD pneumatic hose couplings—Wood Drill Works, Paterson, N. J.
WOOD water meter testing machines—A. P. Smith Mfg. Co., E. Orange, N. J.
WOODBERRY MT. VERNON EXTRA cotton duck—Mt. Vernon Woodberry Mills, Inc., Cont. bldg. Baltimore, Md.
WOODBRIDGE screw cutting dies—Pratt & Whitney Co., Hartford, Conn.
WOODBURY GRAY granite—Woodbury Granite Co., Hardwick, Vt.
WOODHOUSE fire boat water towers—Woodhouse Mfg. Co., 64 W. Broadway, New York
WOODISON cupola linings—E. J. Woodison Co., 1621 St. Aubin, Detroit, Mich.
WOODLIFE shingle stains—Woodlife Co., 262 Fulton, Brooklyn, N. Y.
WOODMAN saw sets—Kilborn & Bishop Co., 194 Chapel, New Haven, Conn.
WOODMAN & HUDSON'S speed indicators—R. Woodman Mfg. & Supply Co., 82 Sudbury, Boston, Mass.
WOODMANSEE office & library paste, writing inks—F. A. Woodmansee, 117 E. Pearl, Cincinnati, Ohio
WOODPECKER gas engines—Willard Middletown Machine Co., Covington, Ky.
WOODPECKER paint—Ajax Paint Co., Indianapolis, Ind.
WOODRUFF key seating machines—Union Twist Drill Co., Athol, Mass.
WOODS can openers—Ira F. White & Son, Bloomfield, N. J.
WOODS side bearings—Woods, Edwin S., & Co., 332 S. Michigan av, Chicago, Ill.
WOODSTOCK tapping chucks—Peters Bros. Mfg. Co., Algonquin, Ill.
WOODWARD glass cutters—New England Novelty Works, Hill, N. H.
WOODWARD pig iron—Woodward Iron Co., Woodward, Ala.
WOODWARD truck units—Woodward Truck Attachment Co., Los Angeles, Cal.
WOODWIN electric lamps & lantern flash light—C. D. Wood Electric Co., 441 Broadway, New York
WOODWORTH tire protectors—Leather Tire Goods Co., Niagara Falls, N. Y.
WOOLSEY'S kalsomine—C. A. Woolsey Paint & Color Co., 490 Grand, Jersey City, N. J.
WOOLWORTH shower bath—Sanitas Mfg. Co., 105 Washington, Boston, Mass.
WOOSTER paint brushes—Wooster Brush Co., Wooster, Ohio
WOOSTER potato sprayer pumps—Field Force Pump Co., Elmira, N. Y.
WOOSTER'S belting & belt dressing—Duryea Mfg. Co., Bayonne, N. J.
WORCESTER bird cage hooks—Parker Wire Goods Co., Worcester, Mass.
WORCESTER drill grinders, draughting tables—Washburn Shops, Worcester, Mass.
WORCESTER engine lathes—Worcester Lathe Co., Worcester, Mass.
WORCESTER flour sieves—Wickwire Spencer Steel Corp., Worcester, Mass.
WORCESTER knife switches, light switchboards—Worcester Electric & Mfg. Co., Worcester, Mass.
WORCESTER lawn mowers, grass catchers—Worcester Lawn Mower Co., Worcester, Mass.
WORCESTER locomotive sanders—Sault Mfg. Co., Worcester, Mass.
WORCESTER pipe hangers—Rockwood Sprinkler Co., Worcester, Mass.
WORCESTER steam gong whistles—Union Water Meter Co., Worcester, Mass.
WORCESTER tire vulcanizers—Worcester Mfg. Co., Worcester, Mass.
WORK ORGANIZER desk drawer files, etc.—Work Organizer Specialty Co., 87 Jefferson av, Detroit, Mich.
"WORKRITE" flush, push button switches—Frank W. Morse, 289 Congress, Boston, Mass.
WORKRITE push buttons—Frank W. Morse, 289 Congress, Boston, Mass.
WORKRITE push buttons—S. H. Couch Co., Quincy, Mass.
WORKWELL corn & cob mills—Marseilles Wks. of Deere & Co., East Moline, Ill.
WORLD blotting paper—Albemarle Paper Mfg. Co., Richmond, Va.
WORLD carbon lamps—F. J. Rooney Lamp Co., Hoboken, N. J.
WORLD clothes washing machines—C. E. Ross, Lincoln, Ill.
WORLD dynamo & motor generator sets—Bosnier Elec. Co., 81-89 Tenth, Long Island City, N. Y.
WORLD door hangers—Richards-Wilcox Mfg. Co., Aurora, Ill.
WORLD labeling machines—Economic Machinery Co., Worcester, Mass.
WORLD rubber hose—Home Rubber Co., Trenton, N. J.
WORLD soap powders—Beach Soap Co., Lawrence, Mass.
WORLD BEATER carpet beaters—Smith & Phillips Mfg. Co., 1008 W. Madison, Chicago, Ill.
WORLD'S BEST door hangers—Safety Door Hanger Co., Ashland, Ohio
WORLD'S BEST electric sad irons—Edison Electric Appliance Co., Inc. (Hotpoint Div.), 5600 W. Taylor, Chicago, Ill.
WORLD'S CHAMPION tube expanders—Oswego Tool Co., Oswego, N. Y.
WORLD'S FAIR lemon squeezers—Nicol & Co., 218 N. Jefferson, Chicago, Ill.
WORM pulp washing machines—Baker Mfg. Co., Saratoga, N. Y.
WORRALL friction clutches—American Tool & Machine Co., 10 High, Boston, Mass.
WORRELL'S rotary dryers—S. E. Worrell, Hannibal, Mo.
WORTH lock-nuts & washers—Steel Specialties Co., Waltham, Mass.
WORTHINGTON invalid chairs—Colson Co., Elyria, Ohio
WORTHMOWER lawn mowers—F. & N. Lawn Mower Co., Richmond, Ind.
WORTHY engine lubricators—D. T. Williams Valve Co., Cincinnati, Ohio
WOTHERSPOON watering pots—Jas. R. Wotherspoon, 238 N. Front, Phila., Pa.
WOTTON battery charging rheostats—Electric Products Co., Clarkstone rd, Cleveland, Ohio
WRAPPED DUCK hose—Hewitt Rubber Co., Buffalo, N. Y.
WRAY floor scraping machines—Duncan Bros. & Wray Co., Ludlow Falls, Ohio
WRENN'S BEST enameled blotting paper—Wrenn Paper Co., Middletown, Ohio
WRENN'S RECORD enameled blotting paper—Wrenn Paper Co., Middletown, Ohio
WREN'S mine car tips—Grant Iron Works, Mahanoy City, Pa
WRIGHT chain hoists—Wright Mfg. Co., Lisbon, Ohio
WRIGHT dieing & drilling machines & presses—Henry & Wright Mfg. Co., 760 Windsor, Hartford, Conn.
WRIGHT electric cable hangers—Rhode Island Telephone & Electric Co., 55 Pine, Providence, R. I.
WRIGHT mica plugs—New York Mica & Mfg. Co., Auburn, N. Y.
WRIGHT parchment & twine cutters & twine holders—Cutter Mfg. Co., Oront av, Everett Station, Boston, Mass.
WRIGHT roller bearings—Penna. Shafting Co., Spring City, Pa.
WRIGHT safety water columns, water gauges, steam traps—Wright-Austin Co., 97 Woodbridge, W. Detroit, Mich.
WRIGHT truck units—Wright Truck Attachment Co., Seattle, Wash.
WRIGHT demand meters—General Electric Co., Schenectady, N. Y.
WRIGHT-AUSTIN cast iron exhause heads—Wright-Austin Co., 97 Woodbridge, W. Detroit, Mich.
WRIGHT'S wall boards—Wright-Barrett & Stilwell Co., St. Paul, Minn.
WRIGHT'S JENNING'S auger bits—Connecticut Valley Mfg. Co., Centerbrook, Conn.
WRIGLEY drain pipe cleaners—Sam'l Lewis, 73 Barclay, New York
WRIGLEY ticket printing presses & toggle bolts—Thos. Wrigley Co., 504 Sherman, Chicago, Ill.
WRITERPRESS duplicators—New Writerpress Co., Shelton, Conn.

W. S. D. grate bars—Thomas Grate Bar Co., Birmingham, Ala.
W.-S.-M. reversing valves, steel plant equipment, coke oven machy., gas producers, ore & coal handling machy., special cranes, mining machy., hydraulic turbines—Wellman-Seaver-Morgan Co., Cleveland, Ohio
WUNDERMOPS polish mops—Samuel Lewis, 73 Barclay, New York
WURKEZE bilge pumps—Thos. Laughlin Co., Portland, Me.
WYANDOTTE cement—Wyandotte Portland Cement Co., Ford bldg., Detroit, Mich.
WYANDOTTE DETERGENT cleaning compounds—J. B. Ford Co., Wyandotte, Mich.
WYANDOTTE metal cleaners—J. B. Ford Co., Wyandotte Co., Wyandotte, Mich.
WYDAWAKE damper regulators—L. J. Wing Mfg. Co., 352 W. 13th, New York
WYDLER bolting cloth—R. J. Howe, 320 Broadway, New York
WYDLER bolting cloth—A. P. Traler, 71 Murray, New York
WYE levels—Geier & Bluhm, Troy, N. Y.
WYE levels—Wm. Ainsworth & Sons, Denver, Colo.
WYE levels—Bausch & Lomb Optical Co., Rochester, N. Y.
WYLIE gas meters—Equitable Meter Co., 424 1st av, Pittsburgh, Pa.
WYDESTEEL filing cabinets—General Fireproofing Co., Youngstown, Ohio
WYOMING curtain releasers, locomotive sanders—Railway & Traction Supply Co., 79 W. Monroe, Chicago, Ill.
WYOMING ensilage cutters—Warsaw-Wilkinson Co., Warsaw, N. Y.
WYOMING automatic eliminators, piston operated steam traps, weight operated steam traps, & steam separators—W. H. Nicholson & Co., Wilkes-Barre, Pa.
WYPAK yarn packing—Wyoming Yarn Co., Wyoming, R. I.
X adjustable wrenches—Frank Mossberg Co., Attleboro, Mass.
X garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
X-CEL-ALL iron & steel filler cements—Shanafelt Mfg. Co., Canton, Ohio
XCELSIOR boiler rivets—Steel Car Forge Co., Frick bldg., Pittsburgh, Pa.
X-F Swiss pattern files—Nicholson File Co., Providence, R. I.
X-I-96 boiler injectors—Wm. Powell Co., Cincinnati, Ohio
X-L fanning mills—American Grain Separator Co., Minneapolis, Minn.
X.-L. felt, buffing & polishing wheels—Eastern Felt Co., Canal, Winchester, Mass.
X. L. hack saw blades—H. G. Thompson Son & Co., New Haven, Conn.
X L metallic shingles—Canton Art Metal Co., Canton, Ohio
X. L. C. R. maple & oak flooring—Osgood & Blodgett Mfg. Co., Duluth av & E. 7th, St. Paul, Minn.
X-L-C. R. turbine water wheels—Humphrey Machine Co., Keene, N. H.
X-L-C-R window cleaners—Standard Cleaner Co., 136 W. Lake, Chicago, Ill.
X. L. N. C. belt dressing, harness oils & water proofing—Commercial Chemical Co., 212 Essex, Boston, Mass.
XLENT metallic shingles—Hyndman Roofing Co., 318 E. 2nd, Cincinnati, Ohio
XL 96 boiler injectors—Peneberthy Injector Co., 346 Holden av, Detroit, Mich.
XLNT padlocks—Slaymaker Lock Co., Lancaster, Pa.
X. L. 6 LEVER padlocks—Slaymaker Lock Co., Lancaster, Pa.
XMPLR padlocks—Slaymaker Lock Co., Lancaster, Pa.
XMPLR 6 LEVER padlocks—Slaymaker Lock Co., Lancaster, Pa.
XPDITE permissible explosive—Hercules Powder Co., Wilmington, Del.
X-ALL ball bearings—Salisbury Ball Bearing Co., 3741 E. 93d, Cleveland, Ohio
X-RAY hot water radiators—H. B. Smith Co., Westfield, Mass.
X-RAY induction coils—E. S. Ritchie & Sons, Brookline, Mass.
X-RAY lemon squeezers—Arcade Mfg. Co., Freeport, Ill.
X-RAY spark coils—Pfanstiehl Co., North Chicago, Ill.



X-RAY steam & hot water heaters—Samuel Sloan & Co., Rochester, N. Y.
XTEND-A-FORD truck units — Hayes-Diefenderfer Co., 1876 B'way, New York
XX garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
XX hoist, loading & steam shovel chains—U. S. Chain & Forging Co., Union Arcade, Pittsburgh, Pa.
X. X. lawn mowers—Philadelphia Lawn Mower Co., 3101 Chestnut, Philadelphia, Pa.
XX spark plug wrenches—Chas. Miller, Syracuse, N. Y.
XX step ladders—Belt Rung Ladder Co., Indiana, Pa.
XXTH CENTURY hot air furnaces—XXth Century Heating & Ventilating Co., Akron, Ohio
XX CENTURY oil extractors, damper regulators, exhaust heads, pump governors, steam separators, steam traps, valves—Atwood & Morrill, 48 Loring av, Salem, Mass.
XX CENTURY water coolers—Cordley & Hayes, 7 Leonard, New York
XX EXTRA fire hose—Empire Tire & Rubber Corp., Trenton, N. J.
XX oxide of zinc—New Jersey Zinc Co., 160 Front, New York
XXCY loom pickers—E. H. Jacobs Mfg. Co., Danielson, Conn.
XXX can openers—Browne & Dowd Mfg. Co., Meriden, Conn.
XXX electric bells—P. R. Mfg. Co., Detroit, Mich.
XXX garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
XXX safety valves—J. E. Lonegran Co., 211 Race, Philadelphia, Pa.
XXXX garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
XXXXX garden hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
XYLOFORM paint, waterproof glue—Nash Engineering Co., South Norwalk, Conn.
XYNO artificial stone laundry tubs, refrigerator linings, stone burial cases & vaults, stone sanitary flooring, water closet tanks—Mineral Products Co., Rhinelander, Wis.
X YNO humidifying apparatus—Mineral Products Co., Rhinelander, Wis.
XYNO refrigerators—Rhinelander Refrigerator Co., Rhinelander, Wis.
XYZ padlocks—Slaymaker Lock Co., Lancaster, Pa.
Y blow-off valves—Kelly & Jones Co., 135 Water, Pittsburgh, Pa.
Y brass ingots—Geo. S. Youngs, Bridgeport, Conn.
Y engines—Fairbanks, Morse & Co., 920 S. Wabash av, Chicago, Ill.
Y. B. wood-stains—Yarnall Paint Co., 1026 Race Phila., Pa.
Y Co. traps—Jos. H. Young Co., 82 High, Boston, Mass.
YYY safety valves—J. E. Lonegran Co., 211 Race, Phila., Pa.
Y. & E. fishing reels—Horrocks-Ibbotson Co., Utica, N. Y.
YACHT-AUTO bleached waste—Estes Mills, Fall River, Mass.
YAGER'S soldering flax—Alexander R. Benson Co., Hudson, N. Y.
YALA rachet wrenches—Syracuse Wrench Co., 325 W. Fayette, Syracuse, N. Y.
YALE air compressors—Superior Machine & Engineering Co., 51 Fort, E. Detroit, Mich.
YALE bicycles—Davis Sewing Machine Co., Dayton, Ohio
YALE hardware specialties—Yale & Towne Mfg. Co., Stamford, Conn.
YALE hose—Empire Tire & Rubber Corp., Trenton, N. J.
YALE lawn mowers—American Lawn Mower Co., Muncie, Ind.
YALE medicinal atomizers & hypodermic needles—Becton, Dickinson & Co., Rutherford, N. J.
YALE rubber belting, steam hose, water hose, hose racks—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
YALE stove pipe & elbows—Hemp & Co., Vandeventer nr Shaw, St. Louis, Mo.
YANKEE automobile mufflers—Yankee Co., Utica, N. Y.
YANKEE automobile mufflers & barrel spray pumps—D. B. Smith & Co., Utica, N. Y.
YANKEE can openers—Taylor Mfg. Co., Hartford, Conn.
YANKEE cold water paste—National Gum & Mica Co., 59th & 11th av, New York
YANKEE corn hooks—American Fork & Hoe Co., Swetland bldg., Cleveland, O.

YANKEE disc harrows—Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
YANKEE drills, drill chucks, screw drivers, vises, tap wrenches—North Bros. Mfg. Co., Lehigh & American, Phila., Pa.
YANKEE electric lamp flashlights—Strobel & Wilkens Co., 61 W. 23rd, New York
YANKEE calipers & dividers—L. S. Starrett Co. (The), Athol, Mass.
YANKEE feed cutters—W. Eddy Plow Co., Greenwich, N. Y.
YANKEE fly swatters—U. S. Wire Mat Co., Decatur, Ill.
YANKEE garden hose—Quaker City Rubber Co., 629 Market, Phila., Pa.
YANKEE lawn sprinklers—W. D. Allen Mfg. Co., 566 W. Lake, Chicago, Ill.
YANKEE gas & oil stove ovens—Connolly Mfg. Co., 123 Liberty, New York
YANKEE harness snaps—Covert Mfg. Co., Troy, N. Y.
YANKEE ice shavers—Gilchrist Co., 236 Bank, Newark, N. J.
YANKEE lawn mowers—Blair Mfg. Co., Springfield, Mass.
YANKEE levels—Frost & Adams Co., 25-29 Arch, Boston, Mass.
YANKEE nutmeg graters—Hamblin & Russell Mfg. Co., Worcester, Mass.
YANKEE pot cover repair knobs—Graham & Berwin, 107 Lafayette, New York
YANKEE screw sticks—Chandler & Price Co., 6000 Carnegie av, Cleveland, O.
YANKEE screw sticks—Chandler & Price Co., Cleveland, Ohio
YANKEE soldering salts—C. W. Leveridge, 133 Liberty, New York
YANKEE stove pipe dampers—Detroit Register Co., 88 E. Jefferson av, Detroit, Mich.
YANKEE tack claws & pullers, wire pullers—Browne & Dowd Mfg. Co., Meriden, Conn.
YANKEE tire pump—Apex Elec. Mfg. Co., 1410 W. 59th, Chicago, Ill.
YANKEE tissue paper machy., Beloit Iron Works, Beloit, Wis.
YANKEE wall plugs—Merwin Mfg. Co., Erie, Pa.
YANKEE FLYER hand cars—E. U. Scoville Co., Manlius, N. Y.
YANKEE-TOOTHED concrete shovels—B. B. Neal Hardware Co., 117 Leonard, New York
YARYAN multiple effects evaporators, distilling apparatus—Chas. Ordway, 25 Church, New York
YATES net locks—Alden Speare's Sons Co., Cambridge, Mass.
YEAKLEY vacuum hammers—Williams, White & Co., Moline, Ill.
YELLOW END open hearth steel—Hawkridge Bros. Co., 303 Congress, Boston, Mass.
YELLOW FELLOW pea hullers, threshers—Avery Co., Peoria, Ill.
YELLOW JACKET sprayer pumps & potato sprayers—Field Force Pump Co., Elmira, N. Y.
YELLOW KID clover & pea pullers, thrashers—Avery Co., Peoria, Ill.
YELLOW KID hullers, Avery Co., Peoria, Ill.
YELLOW KID paper cap exploders—Wrightsville Hardware Co., Wrightsville, Pa.
YELLOW SEAL lead & zinc—W. W. Lawrence & Co., Pittsburgh, Pa.
YE-OLDE-HOMESTEAD furniture polish—Rath Mfg. Co., Hedley & Richmond, Phila., Pa.
YEOMANS bilge pumps, sewage disposal plants—Yeomans Bros. Co., 1433 Dayton, Chicago, Ill.
YERDON cast brass hose bands—Wm. Yerdon, Port Plain, N. Y.
YORK corn planters & grain drills—Hench & Dromgold Co., York, Pa.
YORK coal & gas engines, gasoline traction engines, pumping jacks—Flinchbaugh Mfg. Co., Greencastle, Pa.
YORK gas ranges, water heaters—Abendroth Bros., Port Chester, N. Y.
YORK padlocks—Slaymaker Lock Co., Lancaster, Pa.
YORK GEM water heaters—Abendroth Bros., Port Chester, N. Y.
YORK PRODUCTS—York Metal & Alloy Co., York, Pa.
YORKLYNN thermometers—C. J. Tagliabue Mfg. Co., 18 33d, Brooklyn, N. Y.
YORKTOWN HEIGHTS lime—Palmer Lime & Cement Co., 103 Park av, New York
YOST typewriters—Union Typewriter Co., Bridgeport, Conn.
YOST vises, gas soldering furnaces—Yost Mfg. Co., Meadville, Pa.
YOUGH silicia brick—Ker Fire Brick Co., Oliver bldg, Pittsburgh, Pa.
YOUGH steam pumps—Boyts Porter & Co., Connellsville, Pa.
YOUKIN oils—Frank L. Young Co., 111 Purchase, Boston, Mass.
YOUNG canopy insulators—Mica Insulator Co., 68 Church, New York
YOUNG FOUNTAIN lawn sprinklers—Spray Engng. Co., 93 Federal, Boston, Mass.
YOUNG gear cutting attachments—Mafreto Machine & Tool Co., Worcester, Mass.
YOUNG rain water cut-offs—Young Mfg. Co., Bellevue, Ia.
YOUNG water closet bends—Park & McKay, 55 Bagley av, Detroit, Mich.
YOUNG GIANT fanning mills—A. P. Dickey Mfg. Co., Racine, Wis.
YOUNG GIANT fire pumps—Hale Fire Pump Co., Conshohocken, Pa.
YOUNGSTOWN iron & steel pipe, corrugated iron & steel, merchant bars, iron & steel sheets, plates, wire hoops & nails, woven wire fences—Youngstown Sheet & Tube Co., Youngstown, Ohio
YOUNGSTOWN expanded metal, lath & metal studs—Youngstown Pressed Steel Co., Warren, Ohio
YOUREX—Associated Silver Co., 5 S. Wabash av, Chicago, Ill.
YPSILANTI vegetable cutters—O. E. Thompson & Sons, Ypsilanti, Mich.
YULE BOX stoves—B. C. Bibb Stove Co., 109 Light, Baltimore, Md.
YUKON extension clothing carriers—Knape & Vogt Mfg. Co., Grand Rapids, Mich.
YUNCK store stools—Bryan Novelty Mfg. Co., Bryan, Ohio
Z engines & wood sawing machines—Fairbanks, Morse & Co., 900 S. Wabash av., Chicago, Ill.
Z insulating tape—Revere Rubber Co., Chelsea, Mass.
ZANZIBAR writing fluid—B. Heller & Co., 3925 Calumet av, Chicago, Ill.
ZANZIBOLO floor finish—B. Binswanger & Co., 329 N. 3rd, Philadelphia, Pa.
ZAPON enamels & bronzing liquids, lacquer—Celluloid Zapon Co., 200 5th av, New York
*See adv. index, end of book*
ZAPON leather cloth—Zapon Leather Cloth Co., 200 5th av, New York
ZAREMBA multiple effects evaporators—Zaremba Co., Niagara Life bldg, Buffalo, N. Y.
ZAREX roofing—Flintkote Co., 88 Pearl, Boston, Mass.
ZASTROW canning factory cranes—Geo. W. Zastrow, 1410 Thames, Baltimore, Md.
ZAUBITZ oven thermometers, revolution counters—August Zaubitz, 95 Cliff, New York
ZANGER bits—Lebanon Machine Co., Lebanon, N. H.
ZECHER foundry cupolas—Barry & Zecher Co., Lancaster, Pa.
ZEE-ZEE rubber tire—Zee-Zee Tire & Rubber Co., 3301 Walnut, Philadelphia, Pa.
ZEIGLER steam condensers—Vertical Condenser Co., Gerke bldg., Cincinnati, Ohio
ZEISER curb forms—Zeiser Bros., Berwick, Pa.
ZEISS refractometers—Bausch & Lomb Optical Co., Rochester, N. Y.
ZELNICKER car movers, fire buckets, rail benders, wood handles, car & switch locks—Walter A. Zelnicker Supply Co., 325 Locust, St. Louis, Mo.
ZELNICKER crayons—Walter A. Zelnicker Supply Co., 325 Locust, St. Louis, Mo.
ZENA flap packing—Randolph Brandt, 70 Cortlandt, New York
ZENITH pig iron—Zenith Furnace Co., Duluth, Minn.
ZENITH carbonating powders—Church & Dwight Co., 27 Cedar, New York
ZENITH cement & wood fibre plaster—United States Gypsum Co., 205 W. Monroe, Chicago, Ill.
ZENITH electric desk lights—J. H. White Mfg. Co., 111 N. 3rd, Brooklyn, N. Y.
ZENITH hame chains—Niagara Falls Metal Stamping Works, Niagara Falls, N. Y.
ZENITH lamp chimneys—Macbeth-Evans Glass Co., Pittsburgh, Pa.
ZENITH lawn sprinklers—W. Dallent Mfg. Co., 566 W. Lake, Chicago, Ill.
ZENITH oil—Texas Company, 17 Battery pl, New York
ZENITH steam heaters—Coatesville Boiler Works, Coatesville, Pa.
ZENO wire connectors—Fort Dearborn Mfg. Co., Sterling, Ill.
ZENOBIA chemical engine hose—Electric Hose & Rubber Co., 12th & Dure, Wilmington, Del.
ZEPHYR carbureters—P. R. Mfg. Co., 621-59 Bellevue av, Detroit, Mich.

ZEPHYR fishing reels—General Phonograph Co., 25 W. 45th, New York
ZEPHYR lawn swings—Goshen Churn & Ladder Co., Goshen, Ind.
ZERO electric illuminated signs—Marx Zero Sign Works, 126 N. Peoria, Chicago, Ill.
ZERO lubricators—Detroit Lubricator Co., Detroit, Mich.
ZERO refrigerators—Heinz & Munschauer, Buffalo, N. Y.
ZERO stove lid lifters—New York Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
ZERO stove lid lifters, stove door knobs, stove pokers, stove trimmings, valve wire wheels—E. Lynd Mfg. Co., Mechanicsville, N. Y.
ZETROC oil tanks & pumps—A. C. Kraft, 323 W. Lake, Chicago, Ill.
ZEUS arc welders—Gibbs Instrument Co., Highland bldg, Pittsburgh, Pa.
Z-RO hot air furnaces—Oakland Foundry Co., Belleville, Ill.
ZIEGLER electric mine signals, railway crossing signals—United Electric Apparatus Co., 1529 Columbus av, Boston, Mass.
ZIERMORE feed water regulators, gas pressure regulators, fan engine regulators—Ziermore Regulator Co., Johnsonburg, Pa.
ZIG ZAG rules—Stanley Rule & Level Co., New Britain, Conn.
ZIG-ZAG safety razor blade stroppers—Zig Zag Sales Co., 217 W. Grand av., Chicago, Ill.
ZIMMERMAN fruit evaporators—Blymeyer Iron Works Co., Cincinnati, Ohio
ZIMMERMAN patent iron base post caps—S. Cheney & Son, Manlius, N. Y.
ZIMMERMAN pitless, wagon & stock scales—Zimmerman Steel Co., Bettendorf, Ia.
ZIMMERMAN MONARCH steel stump pullers—Zimmerman Steel Co., Bettendorf, Ia.
ZINC CITY glazier's points—W. H. Maze Co., Peru, Ill.
ZINKOTE enameled iron pipe conduits—Mark Mfg. Co., Evanston, Ill.
ZINNIS wire stretchers—Burgess-Norton Mfg. Co., Geneva, Ill.
ZIP paint & varnish remover—Jas. H. Prince Paint Co., 5 Lancaster, Boston, Mass.
ZONE metal polish—Providence Oil Co., 10 Dorrance, Wharf, Providence, R. I.
ZOROZO grease—F. S. Walton Co., Orthodox & Delaware, Philadelphia, Pa.
ZUBIAN sealing wax—Dicks-Pontius Co., Dayton, Ohio
ZUG pig iron—Detroit Iron & Steel Co., Zug Island, Delray
ZULITE black paint—Bay Way Chemical Co., Elizabeth, N. J.
ZURN'S axle grease—O. F. Zurn Co., Broad & Le-
ZYMOLITE paint & varnish remover—Emil Calman & Co., 100 William, N. Y.
ZYRO silos—Canton Culvert & Silo Co., Canton, Ohio

# ALPHABETICAL SECTION

Contains the **names of all firms and individuals** appearing in the "Classified Trades Section" ged alphabetically with particulars of their main industry.

The address of the head office or works only is given; branch office and works addresses will be d among the various classified lists.

While every effort has been made to insure the correctness of the information appearing herein, sponsibility can be assumed for any errors or omissions.

*The publishers will be pleased to receive any information or suggestions which would add to the of this section.*

etallic Products Co., stamping, sheet metal, 711 Canal rd, leveland, O.
lec. Mfg. Co., ground connection clamps, 303 Center, ridgeport, Conn.
. Rubber Co., rubber heels, Framingham, Mass.
Wire Co., insulated wire, 48 Nesbitt, Newark, N. J.
Wire Co., Newark, N. J.
A. Spooling & Winding Co., fish line mfrs., Auburn, R. I.
Mfg. Co., 815 Larrabee, Chicago, Ill.
Bros., mchsts. & fndrs., Everett, Wash.
Bros., flour mills, Martinsville, Va.
Elec. Co., generators, 15 S. Clinton, Chicago, Ill.
s Constr. Co., Atlantic City, N. J.
, E. H., bldg. contr., Victoria bldg, St. Louis, Mo.
a Lumber Co., Woodburn, Ore.
uska, E. T., masons' & bldrs. matls., Waldron, Mich.
Engineering Co., 216-224 B'way, New York
*ee adv. index at end of book.*
Hardware Co., New Britain, Conn.
Paul O., crushing, grinding & pulverizing mills, etc., 30 road, New York
ille Cotton Mill, cotton sheetings, Abbeville, S. C.
Effervescent Salt Co., 1382 B'way, New York
, Frank R., packing box mfr., 15 William, New York.
& Imbrie, fishing tackle mfrs., 15 Warren, New York.
, W. B., masons' & bldrs. matls., Essex Bldg., Newark, J.
Cornice Works, 6022 Wentworth av, Chicago, Ill.
Truck & Body, Concord, N. H.
Sheet Metal Wks., cornices, 816 S. Wabash av, Chicago, ll.
t, A. H., & Co., archts. & engrs. instruments & supplies, 08 S. Wabash av, Chicago, Ill.
t Ball Co., bearing balls, steel, brass & bronze balls, urnishing balls, burnishing and tumbling barrels, burnishng and polishing machines, Elmwood Station, Hartford, Conn.
*See adv. index at end of book.*
tt Bros., pckg. box mfrs., Springfield, Ill.
tt, C. T., mchsts. & fndrs., Woodstock, Ill.
tt, Chas. F., contractor, Oakville, Conn.
tt Coin Counter Co., 106 6th av, New York.
tt & Co., mchsts. & fndrs., Hudson, Mich.
tt-Downing Truck & Body Co., automobiles, Concord, N. H.
tt, D. S., Co., see Abbott Mach. Co. (successor.)
tt, E. A., contractor, 185 Devonshire, Boston, Mass.
tt, E. T., Constr. Co., 1135 B'way, New York.
tt, Franklin, architect, 389 5th av, New York
tt, Frank I., lbr., 2201 Loomis, Chicago, Ill.
tt Hdwe Co., 636 Columbus av, New York, & Los Angeles, Cal.
t, J. H., & Sons.
tt, John C., contractor, Plainfield, N. J.
tt, Jno. G. (est. of), children's cradles, mattresses, etc., Antrim, N. H.
tt, Johnson R., mach. & fdr., Greenfield, Ind.
tt Laboratories, chemicals, 4753 Ravenswood av, Chicago, Ill.
tt Mach. Co., Olean, N. Y.
tt Mfg. Co., hangers, 4714 Central av, S E, Cleveland, Ohio.
tt Packing & Ice Co., meat packers, Carnegie, Pa.
tt Piano Action Co., Fort Lee, N. J.
tt, S. B., agricultural implements, Goshen, Ind.
tt, Sam'l, arc lamp pulleys, Cleveland, Ohio.
tt & Son, who. hdwe., Marshalltown, Ia.
tt, W. H., mchsts. & fndrs., Hudson, Mich.
tt, W. H., signs, name plates, 143 W. 42d, New York.
tt, W. H., soap, fertilizer, Holyoke, Mass.
tt, Wm. G., ship bldrs., Milford, Del.
tt's, M., Sons, heating contrs., cornices, 137 8th av, New York.

A. B. & B. Specialty Co., brewers & maltsters & shavings washing machy., 3300 Fond du Lac av, Milwaukee, Wis.
A. B. C. Generator Co., automobile starters, 1107 S. Hill, Los Angeles, Cal.
A. B. C. Mfg. Co., camp furn., Kansas City, Mo.
A. B. C. Starter Co., 33 Woodbridge, Detroit, Mich.
Abeel, Addison J., bristles, 181 Pearl, New York.
Abel, A. F., contractor, 1 Wood, Ptg., Pa.
Abel & Bach Co., trunks, traveling bags, etc., Milwaukee, Wis.
Abel Bros., contractors, Am. Central Life Bldg., Indianapolis, Ind.
Abel Lime & Cement Co., Davenport, Ia.
Abel, T. W., mchsts., Fond du Lac, Wis.
Abel, Victor D., architect, 139 S. 15th, Phila., Pa.
Abel, W. A. Co., sporting gds., Syracuse, N. Y.
Abeles, Chas. T. & Co., glass, lumber, etc., Little Rock, Ark.
Abeles & Taussig, ties, poles, Commercial Bldg., St. Louis, Mo.
Abell Elev. Co., 114 N. 8th, Louisville, Ky.
Abell-Howe Co., high speed chains, 322 S. Michigan av, Chicago, Ill.
Abelson, A., scrap iron, Altoona, Pa.
Abenaque Mach. Wks., Westminster Station, Vt.
Abendroth Bros., mchsts. & fndrs., Port Chester, N. Y.
Abendroth, G. Irving, Co., steel stacks, tanks, pumps, etc., 10 E. 43d, New York.
Abendroth & Root Mfg. Co., boilers & pipes, Newburgh, N. Y.
*See adv. index at end of book.*
Abercrombie, David T., Co., camp furniture, 17 Warren, New York.
Abercrombie & Fitch Co., motor boat bldrs.; gun holsters; buckets, Madison av & 45th, New York.
Abercrombie Stone Co., St. Joseph, Mo.
Aberdeen Granite Wks., West Quincy, Quincy, Mass.
Aberdeen Lumber & Shingle Co., Aberdeen, Wash.
Aberdeen Mill Co., flour, Aberdeen, S. D.
Abernathy Furniture Co., mattresses, Kansas City, Mo.
Abernethy, John F., lead linings for tanks, kettles, vats, etc., 703 Myrtle av, B'klyn, N. Y.
Abernathy Vise & Tool Co., 227 Englewood av, Chicago, Ill.
Aberogwen Mont'l Wks., Quincy, Mass.
Aberthaw Cons. Co., contrg. engrs., 27 School, Boston, Mass.
A. B. Fireproofing Co., 64 W. Randolph, Chicago, Ill.
Abingdon Cement Tile Wks., Abingdon, Ill.
Abingdon Milling Co., flour, Abingdon, Va.
Abingdon Paving Brick & Tile Co., Abingdon, Ill.
Abingdon Sanitary Mfg. Co., plumbers' sanitary earthenware, Abingdon, Ill.
Abingdon Trap Co., Abingdon, Ill.
Abingdon Wagon Co., Abingdon, Ill.
Able Bag & Burlap Co., 1214 Blue Island av, Chicago, Ill.
Able Mfg. Co., auto locks, 731 Folsom, San Francisco, Cal.
Abner Mfg. Co., gas machines, Wapakoneta, Ohio.
Aborn Steel Co., 22 Clarke, N. Y.
A. B. Polish Co., metal, furniture & stove polishes, 1515 Haddon av, Chicago, Ill.
Abraham, S. F. & Dixon Wood, architects, Kresge bldg, Detroit, Mich.
Abrahamson Brick Co., Seattle, Wash.
Abrahms, F. M., architect, Rockville Center, N. Y.
Abram Cement Tool Co., Marquette bldg, Detroit, Mich.
Abrames, Harvey, architect, Arcade Bldg., Norfolk, Va.
Abramovitz & Schwartz, trunk mfrs., 195 Wooster, New York.
Abrams Flooring Co., hardwood flooring, Buffalo, N. Y.
Abrams Truck Co., 1234 W Chicago av, Chicago, Ill.
Abrams-Orton Mfg. Co., gas furnaces and burners, Wadsworth, O.
Abrams Paint & Glass Co., see Rubens Paint & Glass Co., Inc. (successors.)
Abramsen Engineering Co., rolling mill machinery, Union Bank Bldg., Pittsburgh, Pa.

Abramson, Louis A., architect, 46 W 46th, New York.
Abrasive Co., emery & corundum wheel mfrs., James & Fraley, Philadelphia, Pa.
Abrasive Material Co., grinding wheels, Bridesburg, Pa.
Abrasive Machine Co., file cutting machines, Irvington, N. J.
Abrasive Mach. Tool Co., surface grinders, East Providence, R. I.
Abrasive Mining & Mfg. Co., corundum & emery mfrs., Plymouth, Ind.
Abresch, Chas., Co., wagons—brewers', bldrs, dairy, etc., 398 4th, Milwaukee, Wis.
Abrew, John L., masons' & bldrs. matls., Islip, N. Y.
Abronski Bros., cornices, 1615 Stiles, Philadelphia, Pa.
Absley Lbr. Mfg. Co., Scranton, Pa.
A. B. Stove Co., Battle Creek, Mich.
Abt, L., cornices, 2651 W. 12th, Chicago, Ill.
Abt, Ludwig, architect, Moberly, Mo.
Acadia Iron Works, Ltd., Crowley, La.
Acar Mfg. Co., railroad equipment, second hand, 30 Church, New York.
Acason Motor Truck Co., 431 Brooklyn, Detroit, Mich.
Accessible Press Co., woodworking mach., 5622 Dibble av, Cleveland, O.
Accident Cabinet Co., medicine cabinets, Kalamazoo, Mich.
Accurate Engineering Co., 5401 Western av, Chicago, Ill.
Accurate Engineering Co., machinists, 150 E. 4th, Plainfield, N. J. *See adv index at end of book*
Accurate Machine Co., machst., 1011 Power av, Cleveland, O.
Accurate Measure Mfg. Co., advtg. tape, 25 Madison av, New York.
Acer & Whedon, sheet metal stamping, Medina, N. Y.
Acetylene Journal Pubg. Co., trade publications, 122 S. Michigan av, Chicago, Ill.
Acetylene Stove Mfg. Co., 1265 W 2nd, Cleveland, O.
Ach, Abraham & Son, tin plate, metals, etc., Dayton, Ohio.
Ach, David M., architect, 1 Madison av, New York.
Acheson Fdry. & Mach. Wks., Chattanooga, Tenn.
Acheson Graphite Co., pine joint compounds. Niagara Falls, N. Y.
**Acheson Ink Co., printing ink mfrs., Niagara Falls, N. Y.**
Acheson Mfg. Co., mfrs. of plumbers supplies, Rankin, Pa. *See adv index at end of book*
Acheson Oildag Co., cutting compounds, Niagara Falls, N. Y.; and lub. oils, Port Huron, Mich.
Achey, Benj., masons' & bldrs. matls., Quakertown, Pa.
Achming, Chas. J., who. hdwe., Lawrence, Kans.
Acid Proof Clay Products Co., Akron, Ohio
**Acid Proof Iron Prod. Co., acid resisting castings, 49 Herman, Newark, N. J.**
Acieral Co. of America, alum. alloys. 26 Cortlandt, New York.
Acker, H. L., architect, Hibernian bldg, Los Angeles, Cal.
Acker, E. Augustus, architect, 686 Academy, New York
Acker, J. Fred, contractor, Glens Falls, N. Y.
Ackerly, Paul, cotton twine, Vernon, Conn.
Ackerman, Christ, & Sons, contrs., Sheboygan, Wis.
Ackerman, Frederick L., architect, 25 W. 44th, New York
**Ackerman, Geo. & Sons Co., metal signs, Cincinnati, O.**
Ackerman, Hy. I., brick, Morton, Pa.
Ackerman, Hy., Piano Co., Marion, Ohio.
Ackerman, H. R., Co., Inc., aniline color & dyestuffs, 65 Fulton, New York.
Ackerman & Johnson, slaters' tools, Bangor, Pa.
Ackerman-Johnson Co., expansion bolts, 625 W. Jackson Bl., Chicago, Ill.
Ackerman, Newton, architect, Eureka, Cal.
Ackerman Telephone Co., 631 W. Jackson, Chicago, Ill.
Ackerman Wheel Co., Rockefeller Bldg., Cleveland, O.
**Ackerson, umbrella handles and sticks, 10 E. 15th, New York.**
Ackley Brake & Supply Corp., 50 Church, New York.
**Ackley & Brink Mfg. Co., belt dressing, etc., 123 E. Canal, Cincinnati, O.**
Ackley & Luff, contractors, Ellensburg, Wash.
Acme Barrel Co., 2235 W. Grand av, Chicago, Ill.
**ACKLIN (THE) STAMPING CO.,** 1659 Dorr, Toledo, Ohio. *See adv. index at end of book.*
Ackroyd & Best (Ltd.), miners' safety lamps, Arrott Power Bldg., Pittsburgh, Pa.
Ackroyd, Jas., & Sons, cornices and skylights, Albany, N. Y.
Acme Asbestos Covering & Supply Co., asbestos in all forms. 404 N. Ada, Chicago, Ill. ***See adv. index at end of book.***
Acme Bedding Co., mattresses, 1511 Bates, Indianapolis, Ind.
Acme Belting Co., mfrs., Niles, Mich.
Acme Blue Print Paper Co., blue prints, 115 S. Dearborn, Chicago, Ill. *See adv index at end of book*
Acme Boiler & Tank Co., boilers & tanks, 48th & Morgan, Chicago, Ill.
Acme Box Co., 1401 W. 21st pl, Chicago, Ill.
Acme Box Co., Omaha, Neb.
Acme Box & Lumber Co., packing box, 3471 E. 49th, Cleveland, O.
Acme Brass Fdry Co. See Magnis Co. Inc (successor),
Acme Brass Wks., 147 Baxter, New York.
Acme Brick Co., shale face brick, Cayuga, Ind.
Acme Brick Co., 2320 S. Crawford av, Chicago, Ill.
Acme Brick Co., Fort Worth, Tex.
Acme Brick Co., Marietta, O.
Acme Brick Co., Milwaukee, Wis.
Acme Bldg. Co., lbr., Meridian, Miss.
Acme Cabinet Co., 116 W. 32d, New York.
Acme Canning Co., Midway, Tenn.
Acme Carbureter & Mfg. Co., Dayton, Ohio.
**Acme Cement Corp., Catskill, N. Y.**
Acme Cement Plaster Co., Frisco Bldg., St. Louis, Mo.
**Acme Chandelier & Mfg. Co., 165 N. Wabash av, Chicago,**
Acme Coal & Lime Co., masons' & bldrs. matls., Terre H... Ind.
Acme Coal, Wood & Builders' Supply Co., Toledo, O.
Acme Column Co., 122 Newton, Brooklyn, N. Y.
Acme Compound Mfg. Co., 102 N. 5th av, Chicago, Ill.
Acme Concretile Co., Milwaukee, Wis.
Acme Cornice, Skylight & Roofing Co., 30 Fernando, Pittsbu... Pa.
**ACME DIAMOND TOOL CO.,** 12-16 John, New York *See adv index at end of book*
Acme Die Casting Corp., 87 35th, Brooklyn, N. Y.
**Acme Die & Stamping Co., McKee's Rocks, Pa.**
Acme Engine Co., Lansing, Mich.
Acme Engineering & Mfg. Co., special machy., 355 Union pk ... Chicago, Ill. *See adv index at end of book*
Acme Engng. Co., architects, 4430 Park, Kansas City, Mo.
**Acme-Evans Co., flour mills, Indianapolis, Ind., & Louisville,**
Acme Extract & Chemical Wks., varnish mfrs., Hanover, Pa
Acme Fancy Wire Wks., archl. iron, Canfield & Moran, Det... Mich.
Acme Fire Clay Wks., common brick, New Cumberland, W. ...
Acme Fishing Tool Co., mchsts. & fndrs., Parkersburg, W. ...
Acme Folding Boat Co., folding bath tubs, Miamisburg, Ohio
Acme Forge & Machine Co., Bloomington, Ill.
Acme Forge Works, ship builder, 3614 E. Marguise way, Sea... Wash.
Acme Fdry. Co., 308 N. Henry, Brooklyn, N. Y.
Acme Foundry Co. See Reed, E. D. (successor).
Acme Foundry Co., Isabel & M. C. R. R., Detroit, Mich.
Acme Freezer Co., 1626 Arch, Phila., Pa.
Acme Furnace Equipt. Co., 39 Cortland, New York.
Acme Gas & Electric Fixture. See Bridgeton Chandelier ... (successor),
**Acme Gear Works, Inc., mills,, Astoria, L. I., New York.**
Acme Glass Co., glass bottles, Olean, N. Y.
Acme Glass Sand Co., Coxville, Ind.
Acme Gold Pen Co., 17 Vandewater, New York.
Acme Guard Co., 150 Nassau, New York.
Acme Handle Co., 181 W. Houston, New York.
Acme Hardwood Floor Co., 1144 Sutter, San Francisco, Cal
Acme Harvesting Machine Co., Peoria, Ill.
Acme Keystone Co., blind stitch & felling machy., Beaver F... Pa.
Acme Kitchen Furniture Co., cabinets; book cases, Chattano... Tenn.
Acme Knitting Machine & Needle Co., Franklin, N. H.
Acme Lamp Works, 55 Cambridge av., Jersey City, N. J.
**Acme Level & Mfg. Co., racks, etc., Toledo, O.**
Acme Lumber Co., sash, door & blind, New Castle, Pa.
**Acme Lumber Co., Ltd., 1023 Hibernia, New Orleans, La.**
Acme Lumber Co., 6th & Channel, San Francisco, Cal.
Acme Lumber & Mfg. Co. See Muscle Shoals Lbr. Co. ... cessor),
Acme Lbr. & Shingle Co., 20 W. Jackson blvd., Chicago, Ill.
Acme Mach. Co., St. Joseph, Mo.
Acme Machine Tool Co., Cincinnati, Ohio.
Acme Mach. Wks., cut and internal gears, 1500 N. 18th, ... Louis, Mo.
Acme Machinery Co., bolt & nut machinery, 4533 St. ... Cleveland, Ohio.
Acme Mfg. Co., cedar chests, South Bend, Ind.
Acme Mfg. Co., chains, Waterbury, Conn.
**Acme Mfg. Co., dies, models, etc., 355 Howard, Detroit, M...**
Acme Mfg. Co., fertilizer, Wilmington, N. C.
Acme Mfg. Co., ladders, 1806 East, Pittsburgh, Pa.
Acme Mfg. Co., pipe clamps, hammers, hangers, etc., Bangor, ...
Acme Manicure & Novelty Co., 200 Fifth av, New York.
Acme Mattress Co., Kansas City, Mo.
Acme Metal Ceiling Co., cornices, 733 S. Halstead, Chicago, ...
Acme Metal Mfg. Co., window screens, 220 W. Huron, Chic... Ill.
Acme Metal Stamping Co., junction boxes, 429 Prospect, N. ... Cleveland, Ohio.
Acme Mill Supply Co., 836 Guardian bldg, Cleveland, O.
Acme Mill Works, flour mill machy., Greensboro, N. C.
Acme Milling Co., buckwheat flour, Corry, Pa.
Acme Milling Co., flour, Oklahoma, Okla.
Acme Milling Co., flour, Talbott, Tenn.
Acme Mills, flour, Hopkinsville, Ky.
Acme Motor Truck Co., Haynes, Cadillac, Mich.
Acme Nail & Supply Co., 422 Frankfort av, Cleveland, O.
Acme Nov. Co., card tables, Jamestown, N. Y.
Acme Novelty Co., metal specialties, 430 N. Oakley av., ... cago, Ill.
Acme Oil Engine Co., machsts., Bridgeport, Conn.
Acme Packing Co., 2226 S La Salle, Chicago, Ill.
Acme Paper Co., fancy paper box coverings, linings, etc., ... Elizabeth, New York.
Acme Pattern & Mach. Co., Buffalo, N. Y.
Acme Pattern Wks., 52 Porter, Detroit, Mich.
Acme Paving & Crusher Co., contrs., Commerce Bldg., Kan... City, Mo.
Acme Planing Mill Co., Portland, Ore.

Polish Co., metal, 71 12th, Pittsburgh, Pa.
Preserve Co., Adrian, Mich.
Press Cloth Co., Frankford, Phila., Pa.
Print Co., textile machy. supplies, Reading, Pa.
Printing Ink Co., 548 W. Harrison, Chicago, Ill.
**Road Machy. Co., dumping wagons, Frankfort, N. Y.**
Roofing Co., cornices, 210 Moran, Detroit, Mich.
Rubber Mfg. Co., Trenton, N. J.
Rubber Heel Co., Elyria, O.
Sales Corp., dyestuffs, 189 Clark, Chicago, Ill.
Sanitary Pottery Co., Trenton, N. J.
Shear Co., Bridgeport, Conn.
Sheet Metal Co., Martins Ferry, O.
Specialty Mfg. Co., heaters, Toledo, O.
Spring Bed & Mattress Co., Fort Smith, Ark.
Stamping Co., steel kegs, Shamokin, Pa.
Staple Co. (Ltd.), paper stapling machs., Camden, N. J.
Steel Goods Co., 2834 Archer av, Chicago, Ill.
Steel & Malleable Iron Wks., 245 Military rd, Buffalo, N. Y.
Storage Battery Corp., Poughkeepsie, N. Y.
Stove & Range Co., gas stoves, Carnegie, Pa.
Supply Co., masons' & builders' supplies, Newport News, Va.
Tag Co., 2840 Fremont av, Minneapolis, Minn.
Tank Company, 43 Cortlandt, New York
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Tent & Awning Co., 1012 Market, St. Louis, Mo.
Tool & Die Co., Syracuse, N. Y.
Universal Joint Mfg. Co., Kalamazoo, Mich
Veneer & Lumber Co., 8th & Harriet, Cincinnati, Ohio.
Ventilator Corp., 399 Atlantic av, Boston, Mass.
Wagon Co., Emigsville, Pa.
White Lead & Color Works, St. Aubin M. C. R. R. av, Detroit, Mich.
Wire Co., magnet wire & electro magnet mfrs., New Haven, Conn.
Woodworking Co., display racks & stands, 562 W. 34th, New York
Woolen Mill Co., felts cotton, 1294 W. 70th, Cleveland, O.
C. Mill Co., lumber, Edmonds, Wash.
lla, J. B., architect, 9 Clinton, Newark, N. J.
lla, Michael A., architect, Mount Vernon, N. Y.
p-Keller Bldg. Co., 2d & Natl. Bk. Bldg., Cincinnati, O.
b, C. W., willow ware mfrs., 6014 Ridge av, Pleasant Ridge, Cincinnati, O.
Brass Mfg. Co., envelope sealing machines, etc., 426 South Clinton, Chicago, Ill.
Buggy Co., carriages, 5th & Eggleston av, Cincinnati, O.
Elect. Mfg. Co., elec. ltg. plants, Minneapolis, Minn.
Insulated Wire Co., 77 Richards, Brooklyn, N. Y.
Lumber Co., Oliver Bldg., Pittsburgh, Pa.
Web Mills, North Wales, Pa.
C. Stone & Lime Co., masons' & bldrs.' matl., 17 N. Pennsylvania, Indianapolis, Ind.
e Glass Co., 740 S. Wabash av, Chicago, Ill.
e Spinning & Sheet Metal Wks., 56 W. Kinzie, Chicago, Ill.
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. John, steam traps, oil filters, machy., regulators, valves, tc., 118 John, Brooklyn, N. Y.
Products Co., canned goods, Acton, Ind.
net Iron Co., mchsts. & fdrs., New Bedford, Mass.
net Mills Corp., cotton sheetings, New Bedford, Mass.
net Process Co., rubber goods, Acushnet, Mass.
net Sawmill Co., New Bedford, Mass.
net Saw Mills Co., box shooks, Acushnet, Mass.
Clay Co., brick and tile, Ada, O.
Coal & Lumber Co., masons' & bldrs. matls., Ada, O.
Granite Co., Ada, O.
, A. D., & McCarty Bros., phosphate acid, Atlanta, Ga.
, Geo. B., & Son Co., mill & facty. supplies, 813 Western, S. Seattle, Wash.
, Richard H., architect, Parkersburg, W. Va.
Bros. Co., paint mfrs., Erie, Pa.
. Frank, Elec. Co., Inc., cut-outs and switchboards, 914 Pine, St. Louis, Mo.
. John, contractor, Lebanon, Ind.
ant Porcelain Co., E. Liverpool, O.
i Bros., contrs., Helena, Mont.
i Plumbing Supply Co., St. Louis, Mo.
s, A., Jr., canned goods, Sunland, Cal.
s, A. L., drill, anvil & vise combined, Cedar Rapids, Ia.
s, A. L., mchsts., Bridgeport, Conn.
s, A. L., Paper Co., Baldwinsville, Mass.
s, A. M., architect, 1012 Walnut, Phila., Pa.
s & Adams, architects, Gibbs Bldg., San Antonio, Tex.
s, Albert L., contractor, 217 E. 5th, New York.
s Bag Co., The, paper mills & paper bag mfrs., Euclid ldg, Cleveland, O.
s-Bagnall Electric Co., lighting equipment, Platt av, Cleveland, O.
s, Bertram, canned goods, Oakland, Cal.
s Brick Co., Martinsville, Ind.
**s Bros., cotton waste, 134 Tudor, S. Boston, Mass.**
s Bros., flour mills, Cadiz, Ky.
s Bros., machsts., 224 Eddy, Providence, R. I.
**s Bros. & Co., mchsts., 136 W. Lake, Chicago, Ill.**

Adams Bros. Contr. Co., masons' & bldrs.' matls., Zanesville, O.
Adams Bros. Mfg. Co., elec. heaters, Fayette & Chartiers, Pittsburgh, Pa.
Adams Bros. Paynes Co., brick & lumber, Lynchburg, Va.
**Adams Bros. & Sellers Fig Co., canned goods, Alvin, Tex.**
Adams, C. F., leather washers, etc., Fort Worth, Tex.
Adams, C. N., brick, Alexandria, La.
Adams, C. R., mchsts. & fdrs., Ventor, Va.
Adams, Campbell Co., Los Angeles, Cal.
Adams Carriage Co., Dover & Lisbon, O.
Adams, Chas. J., & Sons, contractors, 24 Gold, New York.
Adams, Chas. S., contractor, Pleasantville, N. J.
Adams, Clyde S., architect, 1509 Arch, Phila., Pa.
Adams Co., hdwe. spec. gear hobbers, milling, stove sundries, vises, etc., Dubuque, Ia.
**Adams Constr. Co., 137 S. La Salle, Chicago, Ill.**
Adams County L'br. Co., Decatur, Ind.
Adams, Cushing & Foster, fountain pens, tablets & pads, 168 Devonshire, Boston, Mass.
Adams, D. C., Crayon Co., mfrs. all kinds of crayon, 125 Market, St. Louis, Mo.
Adams, D. E., Co., silk thread, 225 5th av, New York.
Adams, D. L., lumber, Portland, Ind.
Adams, Dan'l., sash, door & blind mfrs., 2940 Marshall, Philadelphia, Pa.
Adams & Duford Co., stone producers, Chaumont, N. Y.
Adams, E. B., & Son, machsts., Racine, Wis.
Adams, E. G., artificial stone laundry tubs, Kingston, N. Y.
**Adams, E. P., Co., advtg. signs, 170 Summer, Boston, Mass.**
Adams, Edward P., landscape architect, Exchange Bldg., Boston, Mass.
Adams & Elting Co., mfrs. paints, varnishes, enamels, etc., 726 Washington blvd., Chicago, Ill.
Adams, Enos, Co., quartz, soap, Bennington, Vt.
Adams, F. C., ship bldrs., East Boothbay, Me.
Adams, Frank, architect, 216 Boerum, Brooklyn, N. Y.
Adams, Frank P., cooperage stock, Bluffton, Ind.
Adams, Fred C., Co., soap makers & mill & factory supplies, oils, etc., 118 N. La Salle, Chicago, Ill.
Adams, Fred M., masons' & bldrs.' matls., Elgin, Ill.
Adams, G. E., cornices, Glens Falls, N. Y.
Adams, Geo. G., architect, 288 Essex, Lawrence, Mass.
**Adams, G. H., & Son, whol. hdwe., Tyler, Tex.**
Adams, Geo. H., Co., knitting & latch needles & machy., Hill, N. H.
Adams, Geo. J., machy. dlr., 39 South, New York.
Adams & Graham, lbr., Hamlet, N. C.
Adams, H., heating & ventilating engineer, 1263 Calvert Bldg., Baltimore, Md.
Adams Hardware & Paint Co., Lowell, Mass.
Adams & Hart, machy. dlrs., Grand Rapids, Mich.
Adams Heating Plumbing Co., Helena, Mont.
Adams-Holland Electric Co., switch boxes, Revere, Mass.
Adams Husker Co., agricultural implements, Marysville, Ohio.
Adams, J. A., & Sons Co., Ltd., lumber mfrs., Ruston, La.
Adams, J. D., & Co., road machs. & graders, Indianapolis, Ind.
Adams, J. E., architect, Johnstown, Pa.
Adams, J. Howard, architect, Turks Head bldg., Providence, R. I.
Adams, J. M., parquet floors, 330 N. Charles, Baltimore, Md.
Adams, J. Q., telescopes, 22 N. May, Chicago, Ill.
Adams, J. R. M., whol. hdwe., Eutaw & Franklin, Baltimore, Md.
Adams, J. T., card feed rolls, Lowell, Mass.
Adams, J. T., contractor, Columbus Saving & Trust Bldg., Columbus, O.
**Adams, Jacob A., & Son, contrs., Wilkinsburg, Pa.**
Adams & Jewell, asbestos pipe coverings, Rome, N. Y.
Adams, John E. S., carriages, 28 Huneman, Boston, Mass.
Adams, John J., machsts., Worcester, Mass.
Adams & Johnson Co., harness, saddles & strap work, Galesburg, Ill.
Adams & Kelly Co., masons' & bldrs.' matls., Omaha, Nebr.
Adams & Langford, flour mills, Harrodsburg, Ky.
Adams Laundry Machy. Co., Troy, N. Y.
Adams, Lloyd P., architect, Geneva, N. Y.
Adams, Louis S., landscape architect, 1530 Walnut, Phila., Pa.
Adams Mfg. Co., buckram, 31 E. 32d, New York.
Adams Mfg. Co., glue, 1700 Central av, Minneapolis, Minn.
Adams Mfg. Co., mosquito netting, Shelton, Conn.
Adams Mfg. Co., stationers' specialties, 80 E. Plumstead, Phila., Pa.
Adams-Morgan Co., wireless instruments, Upper Montclair, N. J.
Adams, Norman W., architect, 619 Summit av, Syracuse, N. Y.
Adams, O. R. Mfg. Co. Inc., lathes, engine, Rochester, N. Y.
Adams, P. D., architect, Boothbay, Me.
Adams Paper Co., Wells River, Vt.
Adams, Payne & Gleaves, masons' & bldrs.' matls., Roanoke, Va.
Adams, Percy C., architect, Woodward Bldg., Washington, D. C.
Adams-Pond Co., contractors, 166 Debonshire, Boston, Mass.
**Adams & Powers Co., sash, door & blind mfrs., Worcester, Mass.**
Adams, R. T., & Co., parquet floors, 15 Milk, Boston, Mass.
Adams, Rayus, architect, 7 W. 42nd, New York.
Adams-Rogers Co., sash, door & blind mfrs., Indianapolis, Ind.
Adams & Ruxtom Construction Co., Springfield, Mass.
Adams, S. G., Stamp & Seal Co., 412 N 6th, St. Louis, Mo.
Adams, S. H., cooperage stock, Portland, Ind.
Adams, S. & Son, agricultural implements, Rome, N. Y.

Adams & Schneider, contractors, Chattanooga, Tenn.
Adams & Sullivan, contractors, Louisville, Ky.
Adams S. S. Co., jokers, novelties, puzzles, etc., Plainfield, N. J.
Adams, T. T., Co., lbr., Sevier, N. C.
Adams & Taylor Mach. Co., Fort Wayne, Ind.
Adams, Thos. J., & Co., varnish mfrs., 3605 N. 4th, Phila., Pa.
Adams, U. S., & Co., lumber, Townsend, Mass.
Adams, W. A., flour mills, Simpsonville, S. C.
Adams, W. T., Mach. Co., Corinth, Miss.
Adams, W. W., & Sons, heating contrs., No. Calhoun, Baltimore, Md.
Adams & Westlake Co., railroad specialties, 319 W. Ontario, Chicago, Ill.
Adams & White Co., archt. & engrs.' supplies, 94 Pearl, Buffalo, N. Y.
Adams, Wm., architect, 15 W. 38th, New York.
Adams, Wm., Co., contractors, 209 La Salle, Chicago, Ill.
Adams, Wm., Fdry. Co., 960 N. 9th, Phila., Pa.
Adams, Winfield, Pleasantville, N. J.
Adamson & Anderson, who. & retail plate & window glass, Terre Haute, Ind.
Adamson, G. H., contractor, 1325 Green, Salt Lake City, Utah.
Adamson, J. H., contractor 57 Ann, New York.
Adamson, Jos., & Co., elastic & cotton webbing, Columbia & Gtn. av, Phila., Pa.
Adamson Machine Co., rubber mill machinery, castings, etc., Akron, Ohio. *See adv. index at end of book.*
Adamson Mfg. Co., tire vulcanizers, East Palestine, Ohio.
Adamstown Canning & Supply Co., Adamstown, Md.
Adapt Machy. Co., 1624 Wabash av, Chicago, Ill.
Adapti Mfg. Co., conduit fittings, 919 West, Cleveland, Ohio.
Adbro Mfg. Co., massage vibrators, Phipps Power bldg, Pittsburgh, Pa.
Adco, Inc., advt. signs, 381 4th av, New York.
Adde & Co., machsts. & mill & facty. supplies, Portland, Me.
Adden & Parker, architects, 12 Bosworth, Boston, Mass.
Addenbrook's, J. U., Sons, contractors, Norfolk, Va.
Adder Mach. Co., Wilkes-Barre, Pa.
Addikson & Bauer, who. hdwe., Jackson, Miss.
Addison Bros., lumber, Lorane, Ore.
Addison Hill Lumber Co., Tacoma, Wash.
Addison Packing Co., canned goods, Southwest Harbor, Me.
Addressing Mach. Co., Buffalo, N. Y.
Addressograph Co., addressing & mailing machines, 901 W. Van Buren, Chicago, Ill.
Addy, Matthew, Co., iron ores, coal & coke, 1st National Bank Bldg., Cincinnati, Ohio.
Ade, Carl C., architect, 344 East av, Rochester, N. Y.
Adee, Fred., Co., plumbers' supplies-jobbers, 3 Cliff, New York.
Adelano Co., woolfat, 135 Front, New York.
Adelhurst Iron Co., New Haven, Conn.
Adell Canning Co., Adell, Wis.
Adell Mfg. Co., hdwe. & sheet metal stamping, Orange, Mass.
Adelsohn, E. M., architect, 1776 Pitkin av, Brooklyn, N. Y.
Adelson, Mose D., scrap iron, Pittston, Pa.
Adelsperger Rolland, architect, College Station, Tex.
Ader, Frank G., Construction Co., Newport, Ky.
Aderman, Wm., lbr., Gresham, Wis.
Adirondack Elec. Power Corp., Glens Falls, N. Y.
Adirondack Silo Co., Malone, N. Y.
Adirondack Steel Foundries Co., castings, Watervliet, N. Y.
Adjustable Clamp Co., 216 N. Jefferson, Chicago, Ill.
Adjustable Fixture Co., 305 Mfrs. Home, Milwaukee, Wis.
Adjustable Lighter Assn., cigar & gas lighters, Newton, Mass.
Adjustable Table Co., adding mach. stands, Grand Rapids, Mich.
Adkins, E. S. & Co., lbr., sashes, etc., Salisbury, Md.
Adkins, Young & Allen Co., mill & facty. supplies & pumping machy., 561 Wash. blvd., Chicago, Ill.
Adkinson Bros. Co., lumber, Carrollton, Ky.
Adler Color & Chemical Wks., 100 William, New York.
Adler, H., Co., mchsts. & fndrs., gas stoves, Carnegie, Pa.
Adler, Jacob, & Co., leather gloves, 315 4th av, New York.
Adler Mfg. Co., organs, pianos, Louisville, Ky.
Adler Underwear & Hosiery Mfg. Co., Harrison & Queen City avs, Cincinnati, Ohio.
Adler Veneer Seat Co., Payntar av, L. I. City, N. Y.
Adlerhurst Iron Co., West Haven, Conn.
A. D. Mfg. Co., traps, bath waste, 201 Piquette, Detroit, Mich.
Admiral Hay Press Co., Kansas City, Mo.
Admiral Petroleum Co., 215-16 Bessemer bldg., Pittsburgh, Pa.
*See adv index at end of book*
Admiral Welding Mach. Co., Kansas City, Mo.
Adolph, Jos., contractor, Lancaster, N. Y.
Adovasio, Louis, & Co., contractors, Youngstown, Ohio.
Adrian Furnace Co., blast, Dubois, Pa.
Adrian Iron & Metal Co., scrap rubber, Adrian, Mich.
Adrian Steel Casting Co., Adrian, Mich.
Adrian Wire Fence Co., Adrian, Mich.
Adriance Mach. Wks., 80 Richards, Brooklyn, N. Y.
Adriance Plumbing & Heating Co., Poughkeepsie, N. Y.
Adro Co., metal polish, 247 Pearl, New York.
A. & D. Sheet Metal Wks., cornices, Kalamazoo, Mich.
A. D. Standard Contrg. Co., 225 Lexington av, New York.
Adt, Jno. B., Co., brewers' & tobacco machy. mfrs. & supplies, 340 N. Holliday, Baltimore, Md.
Advance Bag Co., Middletown, Ohio.
Advance Bedding Co., mattresses, La Crosse, Wis.

Advance Car Mover Co., Appleton, Wis.
Advance Co., ventilating apparatus mfrs., 542 N 14th, mond, Ind.
Advance Corrugated Box Co., 2837 S. La Salle, Chicago, I
Advance Dairy Machy. Co., precision laths, Canton, O.
Advance Elec. Co., 6315 Maple, St. Louis, Mo.
Advance Elec. Co., mfrs. & repair elec. motors, 555 W. M Chicago, Ill.
Advance Elec. & Mfg. Co., junction boxes, switchboards, Kansas City, Mo.
Advance Engineering Co., Metta av, Cleveland, Ohio.
Advance Felt & Cutting Co., felts, gaskets & washers, Jefferson, Chicago, Ill.
Advance Fire Clay Co., Uhrichsville, Ohio.
Advance Fdry. Co., Dayton, Ohio.
Advance Glass Co., Newark, O.
Advance Lampworks, auto elec. bulbs, 361 W Superior, Ch Ill.
Advance Grease Co., lubricating oils & greases, 170 S. V Jackson, Mich.
Advance Lumber Co., Rockefeller Bldg., Cleveland, Ohio.
Advance Machine Co., embossing machine mfrs., Camb Mass.
Advance Mach. Co., 4645 Ravenswood av, Chicago, Ill.
Advance Machine Co., Los Angeles, Cal.
Advance Machy. & Supply Co., Denver, Colo.
Advance Machy. Co., Van Wert, Ohio.
Advance Mfg. Co., hand vacuum cleaners, Kalamazoo, Mi
Advance Mfg. Co., pumping & traction gasoline engines, ton, Ohio.
Advance Mfg. Co., sewer traps, Erie, Pa.
Advance Mfg. & Tool Co., elec. ry. supplies & trolley w 1244 St. Clair av, Cleveland, Ohio.
Advance Oil Co., Oil City, Pa.
Advance Packing & Supply Co., 54 E. Lake, Chicago, Ill.
Advance Paint Co., Indianapolis, Ind.
Advance Platers' Supply Co., metal cleaners & polishing w 125 W. Illinois, Chicago, Ill.
Advance Pump & Compressor Co., Flint & Division, Battle Mich.
Advance Roofing & Sheet Metal Wks., cornices, 4830 C Grove av, Chicago, Ill.
Advance Rumely Co., agricultural implement mfrs., en machsts., etc., La Porte, Ind.
Advance Rumely Thresher Co., La Porte, Ind.
Advance Spec. & Mfg. Co., harness tassels, St. Joseph, Mo.
Advance Stove Wks., Evansville, Ind.
Advance Terra Cotta Co., 29 So. La Salle, Chicago, Ill.
Advance Tool Co., special tools, Canal & Jackson, Cincinn
Advance Tool Mfg. Co., blow torches, Grand Central Ter New York.
Advance Tool Wks., mchy., 2304 Warren av, Chicago, I
Advance Welding Mach. Co., 111 N Desplaines, Chicago,
Advertisers Paper Mill, Holyoke, Mass.
Advertising Laboratories (The), Canton, Ohio.
Advtg. Leather Spec. Co., 303 Mercer, New York.
Advtg. Novelty Co., Spokane, Wash.
Advtg. Pencil Co., 284 Pearl, New York.
Advtg. & Selling Magazine, 381 4th av, New York.
Ady, S. J., canned goods, Sharon, Md.
A. & E. Leather Goods Co., 362 5th av, New York.
Aeolian Co., pianos, 29 W. 42d, New York.
Aeolian Plastic Slate Roofing Co., 637 W. 42d, New York.
Aeppli & Smith, leather gloves, 4014 Parker av, Chicago,
Aerial Cutlery Mfg. Co., Marinette, Wis.
Aermotor Co., agricultural implements, 2500 West 12th cago, Ill.
Aero Alarm Co., Seattle, Wash.
Aerofram Co., Inc., gasoline fuel savers, 107 Mass. av, Mass.
Aeromarine Plane & Motor Co., aeroplanes & supplies, Bldg., New York.
Aero-Motion Co. of Am., aero. motors, Wright Bldg., St. Mo.
Aero Pulverizer Co., coal pulverizers, pulverized coal b equipments, 120 B'way, New York.
Aero Wheel Co., airplane wheels, 1777 B'way, New York.
Aero Works, Inc., knives, saws, & steel products, 89 W New York
Aeroshade Co., Waukesha, Wis.
Aerothrust Engine Co., igniters, La Porte, Ind.
Aetna Ball Bearing Mfg. Co., 213 Institute Pl., Chicago,
*See adv index at end of book*
Aetna Boiler Compound Co., 6062 S. La Salle, Chicago, I
Aetna Bottle & Stopper Co., 54 Peck, Providence, R. I.
Aetna Brass Mfg. Co., machsts. & fdrs., 1631 E. 55th, land, Ohio.
Aetna Brick Co., Cohoes, N. Y.
Aetna Cabinet Co., bank fixtures, Indianapolis, Ind.
Aetna Construction Co., Merrill Bldg., Milwaukee, Wis.
Aetna Engine Wks., Menominee, Wis.
Aetna Explosives Co., Inc., dynamite & powder mfrs. B'way, New York
Aetna Fire Brick Co., Oak Hill, Ohio.
Aetna Foundry Co., 22nd & Allegheny av., Phila., Pa.
Aetna Fdry. & Mach. Co., Warren, Ohio.
Aetna Graphite Co., Cleveland av, Columbus, Ohio.

ıa Life Insurance Co., Hartford, Conn.
ıa Nut Co., Southington, Conn.
ıa Paper Co., Dayton, Ohio.
ıa Paving Co., 133 W. Washington, Chicago, Ill.
ıa Plating Wks., bath tub seats, 126 S. Clinton av, Chicago, Ill.
ıa Portland Cement Co., Union Trust bldg., Detroit, Mich.
ıa Rubber Co., gloves, rubber, 815 E. 79th, Cleveland, Ohio.
ıa Sand & Gravel Co., 7159 Normal, Chicago, Ill.
ld, J. S., contractor, Ford Bldg., Detroit, Mich.
ck Ruling & Stationery Co., tablets & pads, Holyoke, Mass.
. S. Machine Co., compressors, 531 S. St. Clair, Toledo, O.
l. Sidney E., architect, Ohio Bldg., Toledo, Ohio.
nite, Edw., contractor, Green Bay, Wis.
r, C. A., & Co., cardboard mfrs., 167 41st, Brooklyn, N. Y.
r Mfg. Co., corrugated paper products, 167 41st, Brooklyn, N. Y.
r Provision Co., meat packers, 310 N. Green, Chicago, Ill.
. A. Railway Light & Signal Co., lighting systems, Elizabeth, N. J.
rd Hardware Co., Torrington, Conn.
te Granite Co., St. Cloud, Minn.
tile Composition Flooring Co., 616 W. Van Buren, Chicago, Ill.
tine Shoe Hook & Eyelet Co., 258 Norfolk, Newark, N. J.
wam Chemical Wks., acids, Grosvenor Bldg., Providence, R. I.
wam Co., woolen flannels, Agawam, Mass.
e Canning Co., Baldwin Station, Va.
e Screen Co., Ft. Worth, Tex.
ıs & Co., inc. lamp coloring, 219 Market, Newark, N. J.
ıts Supply Co., advtg. spec., Ft. Wayne, Ind.
, C. Leonard J., paper, Lyonsdale, N. Y.
l. Mfg. Co., switches & panel board cabinets, Seattle, Wash.
e, Rushmer & Jennison, architects, Arcade Bldg., Utica, N. Y.
er, D. B., flour mills, Warm Springs, Va.
er, Raymond C., Co., wrenches, grease guns & cups, Burlington, Wis.
ew Electric Welder Co., Milford, Mich.
ew Hardware Co., Everett, Wash.
ew, John, Co., masons' & bldrs.' matls., Paterson, N. J.
ew, O. L., fertilizer, Canon, Ga.
cultural Chemical Wks., 901 Macy, Los Angeles, Cal.
cultural & Commercial Lime Co., Canton, Ohio.
rn, A. W., cornices, 8812 24th av, Brooklyn, N. Y.
rn Construction Co., Willimantic, Conn.
rn & Welch Co., contractors, 721 Main, Hartford, Conn.
Frank Z., Sheet Metal Wks., Sacramento, Cal.
& McLaughlin, cornices & skylights, Sacramento, Cal.
berg Bearing Co., 2636 Michigan av, Chicago, Ill.
borg, Olaf, contractor, 17 Wildwood av, Providence, R. I.
born, Wm., Const. Co., contrs., Hammond, Ind.
brand Carriage Co., Seymour, Ind.
ers & Gregoire, coppersmiths, Louisville, Ky.
grim, F. H., architect, Michigan City, Ind.
chlaeger, Walter N., architect, 111 W. Wash., Chicago, Ill.
strom, O. J., embroidery, sewing & plating machs., 711 B'way, New York.
strom Piano Co., Jamestown, N. Y.
swede Mfg. Co., traveling bags, 126 N. Los Angeles, Los Angeles, Cal.
ay, G. L. & Son, contractors, 423 11th av, N. W., Washington, D. C.
apee Veneer & Seating Co., Algoma, Wis.
& Rost Co., carriage bodies & rims, Cincinnati, Ohio.
ens, Claus & Co., contractors, Rutherford, N. J.
ens-Fox Fire Engine Co., Cincinnati, Ohio.
er Machine Works, 1650 Stockton, San Francisco, Cal.
lo Bros. & Co., canned goods, Highland, N. Y.
lo, Gaetano, contractor, 1322 Webster av, Pittsburgh, Pa.
er, G. J., & Co., index tabs 554 W. Adams, Chicago, Ill.
n Construction Co., Fargo, N. D.
n, L. R. & Bro., lumber, Mount Pleasant, Ga.
n Mills, sheetings, cotton, Bath, S. C.
n, W. H., willowware mfrs., Liverpool, N. Y.
one Mfg. Co., book cases, 430 E. 23d, New York.
well Lumber Co., Aimwell, Ala.
ley, J. C., Packing Co., Campbell, Cal.
lie Knitting Mach. Co., 281 Ainslie, Brooklyn, N. Y.
lie Mach. & Tool Wks., universal joints, drill vises, jigs, dies & tools mfrs., 35 Jefferson av, Hartford, Conn.
lie-Martin Co., who. hdwe. & mills & facty. supplies, Lynchburg, Va.
worth Construction Co., Terre Haute, Ind.
worth & Dunn, canned goods, Seattle, Wash.
worth, Wm., & Sons, engineering & surveying instruments, Denver, Colo.
Device Co., pumps, 2975 Cottage Grove av, Chicago, Ill.
Friction Carbureter Co., Dayton, Ohio.
Reduction Sales Co., gas apparatus mfrs., 120 Broadway, New York
Tight Steel Tank Co., Mansion & B. & O. R. R., Pittsburgh, Pa.
Way Co., vacuum cleaners, 1501 W. Bancroft, Toledo, O.
-Don Co., plumbers' supplies-jobbers, Troy, N. Y.
ys Packing Co., canned goods, Aireys, Md.

Aitcheson, J. & H., mchst. & fdrs., Alexandria, Va.
Aitken, David R., stone producers, Memphis, Tenn.
Aitken, Wm., architect, Lyon bldg, Seattle, Wash.
Aitkin & Bebbington, steel struct. wk., Trenton, N. J.
Ajax Auto & Aerosheet Metal Co., 245 W. 55th, New York.
Ajax Badge Co., badges & buttons, Kansas City, Mo.
Ajax Brass & Iron Wks., mchst. & fdrs., 47 Clementine, San Francisco, Cal.
Ajax Brass Mfg. Co., 218 W. Kinzie, Chicago, Ill.
Ajax Brick Co., Western av & M. C. R. R., Detroit, Mich.
Ajax Drainage Cons. Corp., 60 Herkimer, Brooklyn, N. Y.
Ajax Electric Co., elec. railway spec., 56 Baldwin av, Jersey City, N. J.
Ajax Electric Tool Co., elec. port. drills, Ludington, Mich.
Ajax Elec'l Spec. Co., flashlights, 1011 Market, St. Louis, Mo.
Ajax Electrothermic Corp., electric furnaces, Trenton, N. J.
Ajax Enameling & Fdy. Co., Battle Creek, Mich.
Ajax Fire Engine Wks., 882 3d av, Brooklyn, N. Y.
Ajax Forge Co., 2503 Blue Island av, Chicago, Ill.
Ajax Foundry, archl. iron, 51 Clementine, San Francisco, Cal.
Ajax Rubber Co., druggists' & surgical goods, 1796 B'way, New York.
Ajax Hdwe. Mfg. Co., 1100 Military Rd., Buffalo, N. Y.
Ajax Iron Wks., mchsts. & fndrs., Corry, Pa. & Denver, Colo.
Ajax Lubricating Co., 108 S. La Salle, Chicago, Ill.
Ajax Metal Co., babbitt metal, castings, etc., 246 Richmond, Philadelphia, Pa.
Ajax Mfg. Co., agric. implements, 848 Jackson, Pittsburgh, Pa.
Ajax Mfg. Co., tube expanders, boring machines, etc., 848 Jackson, Pittsburgh, Pa.
Ajax Mfg. Co., bolt & nut machinery, 3830 Lakeside av, Cleveland, Ohio.
Ajax Oil & Grease Co., 170 W. 65th, New York.
Ajax Paint Co., Indianapolis, Ind.
Ajax Rubber Co., druggists' & surgical goods, 220 W. 57th, New York.
Ajax Trunk & Sample Case Co., 150 W. 18th, New York.
A. J. Contracting Co., Inc., 101 Park av, New York.
Ajello, Gaetan, architect, 1 W. 34th, New York.
A. & J. Mfg. Co., bicycle parts & sundries, 559 W. Lake, Chicago, Ill.
A. & J. Mfg. Co., hardware specialties, Binghamton, N. Y.
A. & J. Mfg. Co., machinists & founders, Gadsden, Ala.
A. J. Nipple & Pipe Cutting Co., 203 Lafayette, New York.
Akar Ignition Co., ignition apparatus, 149 W. Berkley, Phila., Pa.
Akerlund & Semmes, Inc., gas producers, 17 Battery pl, New York.
Akerly Hiram A., fire, tin clad doors, etc., 57 Prince, New York.
Akers & Harpham Co., cornices & skylights, Akron, Ohio.
Akersville Roller Mill Co., flour, Akersville, Ky.
Akin-Erskine Milling Co., flour, Evansville, Ind.
Akin, John A., architect, Hopkins, Mo.
Akin, W. F., canned goods, Galena, Mo.
Akro Agate Co., playing marbles, Clarksburg, W. Va.
Akron Belting Co., Akron, Ohio.
Akron Brick & Tile Co., Akron, Ohio.
Akron Coal Co., Akron, Ohio.
Akron Cultivator Co., Akron, Ohio.
Akron Equipment Co., rubber tire machy. & molds, Akron, O.
Akron File Co., Akron, Ohio.
Akron Fountain Pen Co., Akron, Ohio.
Akron Gas Lamp Co., gasoline lighting systems, Akron, Ohio.
Akron Gear & Engineering Co., Akron, Ohio.
Akron Lumber Co., 54 E. South, Akron, Ohio.
Akron Mfg. Co., button mfrs., Akron, N. Y.
Akron Mattress Mfg. Co., Akron, Ohio.
Akron Metal Products Co., stamping works, Akron, Ohio.
Akron Metallic Gasket Co., 142 N. Union, Akron, Ohio.
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Akron Paving & Plaster Co., masons' & bldr. matl., Akron, O.
Akron Pigment Co., Akron, Ohio.
Akron Roofing Co., cornices, Akron, Ohio.
Akron Roofing Tile Co., Brook, Akron, Ohio.
Akron Rubber Mold & Machine Co., Akron, Ohio.
Akron-Selle Co., wagons & gears, Akron, Ohio.
Akron Smoking Pipe Co., Mogadore, Ohio.
Akron Soap Co., Akron & Youngstown, Ohio.
Akron Standard Mold & Machine Co., Akron, O.
Akron Steel Casting Co., Akron, Ohio.
Akron Supply Co., masons' & bldrs.' matls., Akron, Ohio
Akron Varnish Co., Akron, Ohio.
Akron Vitrified Clay Mfg. Co., Akron, Ohio
A. K. Water Heater Mfg. Co., gas water heaters, 2196 Pitkin av, Brooklyn, N. Y.
A. L. A. Mfg. & Supply Co., oils, 72 Trinity pl, New York.
Alabama Brick & Tile Co., Hollywood, Ala.
Alabama Broom & Mattress Co., Huntsville, Ala.
Alabama Charcoal Co., Kansas City, Mo.
Alabama Chemical Co., Montgomery, Ala.
Alabama Co., coal mine, Birmingham, Ala.
Alabama Cooperage Co., Calera, Ala.
Alabama Corn Mills Co., Mobile, Ala.
Alabama Cotton Mills, Speigner, Ala.
Alabama Dry Dock & Shipbuilding Co., Mobile, Ala.
Alabama & Florida Lumber Co., Noma, Fla.
Alabama-Georgia Syrup Co., canners, Montgomery, Ala.

Alabama Graphite Co., Ashland, Ala.
Alabama Hdwe Co., Anniston, Ala.
Alabama Lumber Co., Birmingham & Montgomery, Ala.
Alabama Machinery & Supply Co., mill & facty. supplies, Montgomery, Ala.
Alabama Oil & Guano Co., Opelika, Ala.
Alabama Paving Co., American Trust Bldg., Birmingham, Ala.
Alabama Pipe & Foundry Co., Anniston, Ala.
Alabama Power Co., Birmingham, Ala.
Alabastine Co., Grand Rapids, Mich.
Aladdin Co., port. houses, Bay City, Mich.
Alameda Sugar Co., Alaska Commercial Bldg., San Francisco, Cal.
Alamo Construction Co., San Antonio, Tex.
Alamo Iron Wks., San Antonio, Tex.
Alamo Mfg. Co., Mchsts. & fdrs., Hillsdale, Mich.
Alamosa Flour Mills, Alamosa, Colo.
Alarka Lbr. Co., Alarka, N. C.
Alart & McGuire Co., canned goods, 759 3rd av, Brooklyn, N. Y.
Alaska Fish Salting & By-Products Co., fertilizer mfrs., Portland, Ore.
Alaska Freezer Co., ice chippers, etc., Winchendon, Mass.
Alaska Pacific Navigation Co., shipbldrs, Seattle, Wash.
Alaska Packers' Assn., Wells Fargo Bldg., San Francisco, Cal.
Alaska Portland Packers' Assn., canned goods, Portland, Ore.
Alaska Refrigerator Co., Muskegon, Mich.
Alaska Salmon Co., 112 Market, San Francisco, Cal.
Alaska Sanitary Packing Co., canned goods, Seattle, Wash.
Alaska Treadwell Gold Mining Co., San Francisco, Cal.
Alba Mfg. Co., chemicals, Aurora, Ill.
Albach, Theo., cornices, 335 E. 133d, New York.
Alban, W. L. architect, Endicott bldg, St. Paul, Minn.
Alband, John, cornices, Streator, Ill.
Albany Belting & Supply Co., Albany, N. Y.
Albany Billiard Ball Co., Albany, N. Y.
Albany Boat Corp., motor boats, Watervliet, N. Y.
Albany Brass Fdry., Albany, N. Y.
Albany Canning Co., Albany, Wis.
Albany Car Wheel Co., Albany, N. Y.
Albany Casket Co., Albany, N. Y.
Albany Chemical Co., Albany, N. Y.
Albany Felt Co., Albany, N. Y.
Albany Foundry Co., Albany, N. Y.
Albany Hardware & Iron Co., who. hardware, Albany, N. Y.
Albany Hardware Specialty Mfg. Co., drilling machines, concrete mixers, Albany, Wis.
Albany Iron Wks., machts. & fdrs., Albany, Ore.
Albany Knitting Co., sweaters, cardigans, etc., Albany, N. Y.
Albany Lbr. Co., Albany, Ore.
Albany Lbr. & Planing Mill Co., Inc., Albany, N. Y.
Albany Lubrg. Co., 708 Washington, New York.
Albany Machine & Tool Co., machinists, Industrial Bldg., Albany, N. Y.
Albany Malleable Iron Co. (Voorheesville), Albany, N. Y.
Albany Mill Supply Co,, Albany, Ga.
Albany Paper Products Co., straw board mfrs., Albany, Ind.
Albany Phosphate Co., Albany, Ga.
Albany Planing Mill, Albany, Ore.
Albany Rubber Tire Co., packing mfrs., Albany, N. Y.
Albany Sand & Supply Co., Albany, N. Y.
Albany Steam Trap Co., Albany, N. Y.
Albany Warehouse Co., Albany, Ga.
**ALBAUGH-DOVER CO.**, cut & worn gears, etc., 2100 Marshall blvd, Chicago, Ill. *See adv index at end of book*
Albee & Godfrey Co., archl. iron, Stewart av, Brooklyn, N. Y.
Albee, H. M. & Son, machsts., 201 Sussex av, Newark, N. J.
Albemarle Paper Mfg. Co., Richmond, Va.
Albemarle Pippin Products Corp., canned goods, Charlottesville, Va.
Albemarle Stove & Mach. Co., Charlottesville, Va.
**Alberene Stone Co., soapstone products, 223 E. 23d, New York.**
Alberger Heater Co., Buffalo, N. Y.
Alberger Pump & Condenser Co., pumps and condensers, 140 Cedar, New York.
Albers Bros. Milling Co., flour, farina, cereal foods, Portland, Ore., & Los Angeles, Cal.
**Albers & Lorenz, mattresses, 635 E. Water, Milwaukee, Wis.**
Albersmeier, Wm. H., architect, Rauh Bldg., Indianapolis, Ind.
Albert & Davidson, Inc., second-hand pipe, pipe fitting, etc., 256 Oakland, Brooklyn, N. Y. *See adv index at end of book*
Albert & Fischer Hdwe. & Sheet Metal Co., 2524 S. 7th, St. Louis, Mo.
Albert Gas Fixture Co., 707 3d av, New York.
Albert, Henry J., architect, 3801 W. Barrett, Seattle, Wash.
Albert, L., & Son, scrap rubber, Trenton, N. J.
**Albert Lea Construction Co., Albert Lea, Minn.**
Albert Lea Packing Co., meat, Albert Lea, Minn.
Albert Lea Sprayer Co., pumps, etc., Albert Lea, Minn.
**Albert Lea Tractor & Mfg. Co., Albert Lea, Minn.**
Albert, Matt S., contractor, Centralia, Wash.
Alberta Knitting Mills, bathing suit mfrs., sweaters, etc., Lenta & Armat Gtn., Philadelphia, Pa.
Alberts, J. B., leaded glass, 307 1st, Louisville, Ky.
Alberts, W. E. & Son, contractors, 367 Lehigh av, Ptg., Pa.
Albertsoan, Dan J., architect, Kalamazoo, Mich.
**Albertson & Co., Inc., valve grinders, Sioux City, Ia.**
Albertype Co., advtg. post cards, 250 Adams, Bklyn, N. Y.

Albey Bros., straw, binders, & box boards, 149 Meeker av, N. ark, N. J.
Albia Box & Paper Co., Troy, N. Y.
Albia Packing Co., meat, Albia, Iowa.
Albina Engine & Mach. Wks., ship bldrs., 28 Albina, Portla Ore.
Albinson Construction Co., 1214 Marquette av, Minneapo Minn.
Albion Bangor Slate Co., Wind Gap, Pa.
Albion Chemical Wks., soap, Albion, Mich.
Albion Knit Goods Co., sweaters, cardigans, etc., Utica, N. Y.
Albion Lumber Co., Albion, & San Francisco, Cal.
Albion Malleable Iron Co., machts. & fndrs., Albion, Mich.
Albion Mfg. Co., asbestos paper mfrs., boiler compounds, Seat Wash.
Albion Medina Stone Co., Albion, N. Y.
Albion Milling Co., flour, Albion, Mich. & Albion, Neb.
Albion Shale Brick Co., Albion, Ill.
Albion Superior Slate Co., Wind Gap, Pa.
Albion Vein Slate Co., rfg. slate mfrs., Bangor, Pa.
Albion Vitrified Brick Co., Albion, Ill.
Albion Wood & Metal Products Co. Inc., boards, clothes dr ladders, etc., Albion, N. Y.
Albrecht, A., & Co., contractors, Penobscot Bldg., Detroit, M
Albrecht, Chas. R., architects' & engrs.' supplies, 62 Fulton, York.
Albrecht, Francis J., heaters, & oven bldrs, etc., 1146 Penn Pittsburgh, Pa.
Albrecht, Fred'k., wooden kegs, Pratt & Smallwood, Baltim Md.
Albrecht, H. & Co., horse collars, E. St. Louis, Ill.
Albrecht, John, contractor, 167 Grace, Buffalo, N. Y.
Albrecht, Wilhelm & Kelly, architects, 1836 Euclid av, C land, Ohio.
Albright, A. A., & Son, contractors, Allentown, Pa.
Albright Aerating Filter Co., cistern filters, Muncie, Ind.
Albright, A., & Sons, flour mills, Elgin, Ky.
Albright, C. S., contractor, 6040 Hollywood, Los Angeles, Ca
Albright, Harrison, architect, Laughlin Bldg., Los Angeles,
Albright, J. E., Co., playing marbles, Ravenna, Ohio.
Albright, J. H., architect, Fort Dodge, Ia.
Albright, J. H., & Sons, agricultural implements, Mifflinburg,
Albright Mfg. Co., plumbers woodwork & closet seats, R Hall, N. C.
Albright, Son & Co., pipe bends & coils, Allentown, Pa.
Albright & Shenton, textile machinery supplies, Reading,
Albro-Clem Elev. Co., D & Erie, Philadelphia, Pa.
Albro, Lewis C., architect, 2 W. 47th, New York.
Albuquerque Fdry. & Mach. Wks., Albuquerque, New Mexico
Albuquerque Lumber Co., Albuquerque, New Mexico.
Albus, E. E., architects, 544 E. Market, Louisville, Ky.
Alcatraz Co., Inc., paint mfrs., 3200 Williamsburg av, mond, Va.
Alcemo Mfg. Co., tire cements, 12 Bridge, Newark, N. J.
Alco Foundry & Machine Co., barn door hangers a tracks, dale, Mich.
Alcock, John L. & Co., lumber mfrs., Munsey bldg, Baltim Md.
Alcohol Utilities Co., 27 William, New York.
Alcohol Products Co., chemical mfrs., Newark, N. J.
Alcott, W. K. & Co., hardwood doors, & sash, door & blind 52nd & Lancaster, Phila., Pa.
Alcus, S. T. & Co., Ltd., packing box mfrs., Hagan av & Basin, New Orleans, La.
Aldag, F. W. Co., masons' & bldrs.' matls., E. Washingt Belt, Indianapolis, Ind.
Aldag Paint & Varnish Co., plate glass, Indianapolis, Ind.
Alden, Chas. H., architect, 400 Boston block, Seattle, Wash.
Alden Coal Co., anthracite coal mines, Mauch Chunk, Pa
Alden & Harlow, architects, 305 5th av, Pittsburgh, Pa.
Alden & Harris, architects, Exchange bk. Bldg, St. Paul, Mi
Alden, Henry B., architect, Beverly, Mass.
Alden, Henry B., architect, 15 Exchange, Boston, Mass.
Alden, John, naval architect, 131 State, Boston, Mass.
Alden & Judson, mill & facty supplies, Grand Rapids, Mic
Alden Lime Co., Clinton, Ia.
Alden Lime Co., Fulton, Ill.
Aldens' Successors (Ltd.), gutta percha, crude rubber, B'way, New York.
Alder, Benj. S., Co., who. hdwe., 45 Warren, New York.
Alder Chemical Co., carriage Top Dressing, Mount Vernon,
Alderfer Co., crates, Sharon Center, O.
Alderman, D. W., & Sons Co., lbr., Alcolu, S. C.
Alderman, Geo. P. B. & Co., architects, 439 High, Holyoke,
Alderman, J. W., lumber, Tarpon Springs, Fla.
Alderman, Wm., lbr., Gresham, Wis.
Alderson, Roy, architect, 1131 11th, San Diego, Cal.
Aldon Co., rail sawing machy., 3338 W. Ravenswood av, Chi Ill.
Aldrich & Aldrich, architects, Galesburg, Ill.
Aldrich, B. W. & Co., snow shovels, Wallingford, Vt.
Aldrich, Benj. F., contractor, Dunkirk, N. Y.
Aldrich, Chas. R., contractor, 3d & Jefferson, Seattle, Was
Aldrich, Elbert, cornices, Poughkeepsie, N. Y.
Aldrich, G. A., & Co., masons' & bldrs.' Hillsdale, Mich.
Aldrich, Leander S., architect, Uxbridge, Mass.
Aldrich Mfg. Co., tinware mfrs., Buffalo, N. Y.

rich Paper Co., Watertown, N. Y.
rich Publishing Co., trade publications, 6 E. 39th, N. Y.
rich Pump Co., Allentown, Pa.
rich, Wm. T., architect, 8 Beacon, Boston, Mass.
ridge, A. E., brick, Dutchess Junction, N. Y.
en, M. W., Construction Co., Walpole, Mass.
mite Die-Casting Mfg. Co., 341 W. Chicago av, Chicago, Ill.
rt Mills, buckwheat flour, fountain City, Wis.
rt Pipe & Supply Co. (jobbers), Bay City, & Saginaw, Mich.
rt Plbrg. Supply Co., 788 Seneca, Buffalo, N. Y.
rt Tool Co., knurl holders, 237 N. 6th, Philadelphia, Pa.
voli, G., contractor, 88 Lanark rd, Stamford, Conn.
xalite Co., lighting fixtures, 432 E. 23d, New York.
xander, A. R., cornices, Portland, Me.
xander, Aaron, rural mail boxes, Newfield, N. Y.
xander & Bland, lbr., Lumpkin, Ga.
xander Bros., contractors, Williamson bldg., Cincinnati, O.
EXANDER BROS., leather mfrs., belting, etc., 3rd & Callowhill, Phila., Pa.
xander Bros. Lumber Co., Schofield Bldg., Cleveland, Ohio, & Belzona, Miss.
xander Car Replacer Mfg. Co., Scranton, Pa.
xander City Cotton Mills, Alexander City, Ala.
xander & Cox Co., gas engines, 2358 Ogden, Chicago, Ill.
xander Crossing Co., Clinton, Ill.
xander, D. A., Co., concrete anchors, 272 State, Rochester, N. Y.
xander, F. C., contractor, Old South bldg., Boston, Mass.
xander, G. M., lumber, Claypool, Ind.
xander & Garsed, mill & facty. supplies, Charlotte, N. C.
xander, Geo. E., & Son, handles, rakes—garden or lawn, etc., Sunapee, N. H.
xander, H. N., & Sons, lumber, Greenville, Miss.
xander, H. T., & Co., jobbers, oils, 17 Battery pl, New York.
xander, J. M., & Co., mill & facty. supplies, Atlanta, Ga.
xander, J., Mfg. Co., desk lights, 1991 B'way, New York.
xander, James, Constr. Co., Memphis, Tenn.
xander, Jas. F., & Son, architects, Lafayette, Ind.
xander-Kramer Co., toys, games, etc., Dayton, O.
xander, Lester F., & Co., contrs., New Orleans, La.
xander Lumber Co., 104 S. Michigan av, Chicago, Ill.
xander, M., sash, door & blind mfrs., Joliet, Ill.
xander Mfg. Co., garden plows, Ames, Ia.
xander Molasses Co., canned goods, 614 W. Austin av, Chicago, Ill.
xander, R., furniture, 197 Island av, E., Minneapolis, Minn.
xander & Reid Co., tile & mosaics floor, 355 W. 36th, New York
xander, Robt., contractor, 130 W. 24th, New York.
xander, Shumway & Utz Co., contrs., 16 State, Rochester, N. Y.
xander, W. J., masons' & bldrs.' matls., Steubenville, O.
xander, Warren, billiard & pool tables, 607 Main, Worcester, Mass.
xander Window-Ventilator Mfg. Co., Spartanburg, S. C.
xandria Cooperage & Lumber Co., Alexandria, La.
xandria Crushed Stone Co., Alexandria, Ind.
xandria Fertilizer & Chemical Co., Alexandria, Va.
xandria Halter Factory, Alexandria, O.
xandria Iron Works, machst. & fdrs., Alexandria, Va.
xandria Iron Works, Evans bldg., Washington, D. C.
xandria Lumber Co., Ltd., Alexandria, La.
xandria Paper Co., Alexandria, Ind.
xandria Preserving Co., canned goods, Alexandria, Ind.
xius Bros. & Co., brick, Covington, La.
falfa Products Co., meal, Sunnyside, Wash.
fred Clay Co., terra cotta roofing tile, Alfred Station, N. Y.
ford, D. C., masons' & bldrs.' matls., Hartwell, Ga.
ford, H. C., architect, Madison, Wis.
ford Mfg. Co., lbr., Ackerman, Miss.
ford Motor & Machine Co., machts. & fndrs., Goshen, Ind.
fred, W. W., architect, Pensacola, Fla.
ger Clay Mfg. Co., Alger, O.
ger, Smith & Co., lumber, Penobscot bldg., Detroit, Mich.
ger-Sullivan Lumber Co., Century, Fla.
gie, Robt., J., crushel stone, 2249 Broadway, New York.
giers Cornice & Plbg. Wks., 157 Delaronde, New Orleans, La.
giers Saw & Planing Mill, 429 Patterson, New Orleans, La.
goma Coal & Coke Co., Algoma, W. Va.
goma Lbr. Co., Algoma, Ore.
goma Panel Co., Algoma, Wis.
gona Brick & Tile Works, Algona, Iowa.
gonite Stone Mfg. Co., 4606 Chippewa, St. Louis, Mo.
gonquin Co., woolen flannels, Passaic, N. J.
gonquin Leather Co., No. Woburn, Mass.
hambra Tile Co., Newport, Ky.
hin, Victor O., contractor, Joliet, Ill.
horn & Waller, brick, Morganfield, Ky.
ice Mills, cotton sheetings, Easly, S. C.
liceville Oil & Mfg. Co., Aliceville, Ala.
ignum Fireproof Products Co., Inc., asbestos doors, 356 Lexington av, New York, & So. River, N. J.
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lkahn Silk Label Co., 116 W. 32d, New York.
l-American Truck Co., Grand & Natchez aves, Chicago, Ill.
l Paper Box Co., 125 S. 8th, St. Louis, Mo.
llaire, P., contrs., Bristol, Conn.
Allaire Woodworkers Corp., toys, games & novelties, Farmingdale, N. J.
Allan, A., & Son, Babbitt metal mfrs., 6th & Bergen, Harrison, N. J.
Allan, Geo. & Co., contractors, 625 W. 69th, Chicago, Ill.
Allaway & Hancox, elec. signs, 5944 S. Halsted, Chicago, Ill.
Allbee, Geo. B. Co., steam fitters' supplies, Bellows Falls, Vt.
Allbright, C., architect, 6 Beacon, Boston, Mass.
Allbright-Nell Co., packing house machy, 5315 Western av, Chicago, Ill.
Allegan Brick Co., Allegan, Mich.
Allegan Fdry. & Mach. Co., Allegan, Mich.
Allegany Window Glass Co., Port Allegany, Pa.
Alleger's, E. W., & Son, masons' & bldrs.' matls., Washington, N. J.
Alleghany Ore & Iron Co., Buena Vista, Va.
Allegheny Box Co., 601 Byrd, Richmond, Va.
Allegheny College, engng. school & coll., Meadville, Pa.
Allegheny Forging Co., forgings (automobile, etc.), Keenan bldg, Pittsburgh, Pa.
Allegheny Foundry Co., Boquet & Grant, Pittsburgh, Pa.
Allegheny Fdry. & Mach. Co., Glassmere, Pa.
Allegheny Lumber Co., Ferguson bldg., Pittsburgh, Pa.
Allegheny Milling Co., flour, Covington, Va.
Allegheny Plate Glass Co., Glassmere, Pa.
Allegheny Slag Products Co., brick, Buena Vista, Va.
Allegheny Steel Band Co., nailing plugs, 886 Progress, Pittsburgh, Pa.
Allegheny Steel Co., machts. & fndrs., & rolling mills, Oliver bldg., Pittsburgh, Pa.
Allegheny Steel Tank Car Co., Warren, Pa.
Alleghany Valley Brick Co., Olean, N. Y.
Allegretti Mfg. Co., razor strops, Geneva, N. Y.
Allen, A. & Co., machts., 2001 Carpenter, Phila., Pa.
Allen, A. W., architect, Streator, Ill.
Allen, Albert, machsts., Livermore Falls, Me.
Allen, Alex., vacuum cleaners, 426 Pearl, Buffalo, N. Y.
Allen, Alonzo W., machsts., 2427 Mascher, Phila., Pa.
Allen, Alvan, Brick Co., Wilmington, Del.
Allen Anti-Rust Mfg. Co., paint mfrs., Glenn Bldg., Cincinnati, O.
Allen, A. P., architect, 189 W. Madison av, Chicago, Ill.
Allen, Augustus N., architect, 2 W. 45th, New York.
Allen Auto. Spec. Co., inner tube bags, 16 W. 61st, New York.
Allen, B. C. Machinery Co., 104 S. Clinton, Chicago, Ill.
*See adv index at end of book*
Allen, B. F., lumber, Tiro, O.
Allen, B. F. Co., machy dlrs., 104 S. Clinton, Chicago, Ill.
Allen & Bailey Tag Co., Caledonia, N. Y.
Allen-Blaisdell Co., church, lodge & school furniture, 12 Pearl, Boston, Mass.
Allen, Bona, collars, Buford, Ga.
Allen-Bradley Co., motor starters, rheostats, switches, etc., 286 Greenfield av, Milwaukee, Wis.
Allen Bros., stencils, 55 Cornhill, Boston, Mass.
Allen Bros., machs. & fdrs., Elkader, Ia.
Allen Bros., carriages, Nashville, Tenn.
Allen, C. J., contr., Builders' Exchange, San Francisco, Cal.
Allen, C. S. Co., contractors, Allston, Boston, Mass.
Allen Chair Co., furniture, Concord Junction, Mass.
Allen, Chas. G. Co., agricultural implements, Barre, Mass.
Allen, Chas. I., faucets, wooden handles & knobs, Pequabuck, Conn.
Allen, Chas. M., excelsior, Fulton, N. Y.
Allen, Claire, architect, Jackson, Mich.
Allen, Clement E., meat packers, Media, Pa.
Allen & Collens, architects, 40 Central, Boston, Mass.
Allen Crucible Co., 714 50th av, East Oakland, Cal.
Allen & Curtiss Co., boring tools, Benton Harbor, Mich.
Allen, D. C., & Co., cornices & skylights, Coldwater, Mich.
Allen, D. S., knives—oyster & clam, Port Lavaca, Tex.
Allen, David E., machsts. & fndrs., Yonkers, N. Y.
Allen Die Block Co., shoe machy., Haverhill, Mass.
Allen-Doane & Co., stencils, 29 Cornhill, Boston, Mass.
Allen, Dwyer Co., contrs., 106 N. La Salle, Chicago, Ill.
Allen, E. Philip & Co., mill & facty. supplies, Atlantic City, N. J.
Allen, Edgar & Co., Ltd., steel mfrs. & imptrs., 718 W. Lake, Chicago, Ill.
Allen, Edmund A., whol. lumber, 133 W. Wash., Chicago, Ill.
Allen, H., Co., exhaust & blow piping, 41 Beverly, Boston, Mass.
Allen Engineering Co., Inc., derrick irons & fittings, 14 N. 55th, Phila., Pa.
Allen Engineering & Contr. Co., Netcong, N. J.
Allen, F. B., machst. & fndrs., Salt Lake City, Utah.
Allen, F. H., machinist, Donaldsonville, La.
Allen, F. P., Jr., architect, 520 East, San Diego, Cal.
Allen & Fell, cornices, Wilkes-Barre, Pa.
Allen Filter Co., Toledo, Ohio.
Allen Fdry., Adams, Mass.
Allen Fire Dept. Supply Co., hose clamps & couplings, 159 Aborn, Providence, R. I.
Allen, Frank F., architect, 725 Putman, Fort Wayne, Ind.
Allen, Frank P., & Son, architects, Houseman Bldg., Grand Rapids, Mich.
Allen, Fred A., Sportsman's Specialty Co., duck calls, boat oars, Monmouth, Ill.
Allen, G. W., & Son, architects, Laporte, Ind.

Allen & Garcia Co., contractors, 21 E. Van Buren, Chicago, Ill.
Allen, Geo. C., architect, Berwyn, Pa.
Allen, Geo. R., patterns & models, 1214 Chestnut, Phila., Pa.
Allen, Geo. W., & Son, La Porte, Ind.
Allen, Gordon, architect, 248 Boylston, Boston, Mass.
Allen, H. E., Co., Inc., insectecides, Carthage, N. Y.
Allen, H. J. (Est. of), masons & bldrs. matls., Clinton, N. Y.
Allen, H. R., & Co., lumber mfrs., Commerce Bldg., Columbus, Ohio.
Allen, Harris, architect, Oakland, Cal.
Allen, Harris Campbell, architect, 2514 Hillegass av, Berkeley, Cal.
Allen, Hy., chemical glasswe., 138 William, New York.
Allen, Higgins, Wall Paper Co., Worcester, Mass.
Allen & Hinckle, brick & tile, Royalton, O.
Allen Iron & Steel Co., elec. cable hangers, 3d & Venango, Philadelphia, Pa.
Allen, Isaac A., Jr., architect, 904 Main, Hartford, Conn.
Allen, J. & B., sweaters, etc., 4980 Sheldon av, Phila., Pa.
Allen, J. E., architect, 283 Essex, Lawrence, Mass., & Provo City, Utah.
Allen, J. & S., fish line mfrs., Walpole, Mass.
Allen, J. W., spokes, Scottville, Ky.
Allen, J. W., & Co., ice cream freezers, 116 N. Peoria, Chicago, Ill.
Allen, Jas. Roy, architect, 64 Van Buren, Chicago, Ill.
Allen, Jas. T., Contr. Co., 8106 Quincy av, Cleveland, O.
Allen & Jemison Co., who. hdwe., Tuscaloosa, Ala.
Allen, Jerome R., architect, 101 Park av, New York.
Allen, Jesse, Lime Co., Burns, Tenn.
Allen, Jno., cornices, Schenectady, N. Y.
Allen, Jno., Co., carbon paper, 17 Rose, New York.
Allen, Jno. F., Co., riveting machines, 370 Gerard av, New York.
Allen, Jos. B., architect, Irvington, N. J.
Allen-Knight Construction Co., 610 S. Broadway, Los Angeles, Cal.
Allen, L. B., Co., soldering flux, etc., 4519 N. Lincoln, Chicago, Ill.
Allen, L. H., wire cloth, Amherst, Mass.
Allen, Lane & Scott, railroad staty., etc., 1211 Clover, Philadelphia, Pa.
Allen, Layton, architect, Lombard Bldg., Indianapolis, Ind.
Allen, Lester, cornices & skylights, Spokane, Wash.
Allen Lumber & Box Co., Nashville, Ark.
Allen Lumber Co., sashes, doors & blinds, Barre, Vt.
Allen Lumber Co., Berlin, Wis.
Allen & Moore Canning Co., Blades, Del.
Allen, McNerney & Co., horn hair pins, Attleboro, Mass.
Allen, M. M., flour mills, Windle, Tenn.
Allen, M. M., Supply Co., masons' & bldrs.' matls., Newport, Ky.
Allen Machine Co., 1585 Columbus rd, Cleveland, Ohio.
Allen Machine Co., Cleveland, Ohio.
Allen Machine Co., rubber machines, Erie, Pa.
Allen Machine Wks., Miamisburg, Ohio.
**ALLEN MFG. CO. (THE)**, safety set screw mfrs., 133 Sheldon, Hartford, Conn. *See adv index at end of book*
Allen Mfg. Co., horse collars, Lawrenceville, Ga.
Allen Mfg. Co., mchsts. & fndrs., Nashville, Tenn.
Allen Mfg. Co., Ltd., Shreveport, La.
Allen Motor Car Co., Columbus, Ohio.
Allen, N. R., Sons Co., harness lthr., Kenosha, Wis.
Allen & Nelson Mill Co., lumber, Monohan & Seattle, Wash.
Allen, Neyers & Co., cornices, Rock Island, Ill.
Allen, O. C., lumber, Knoblick, Ky.
Allen, Otis, & Son Co., lbr., Lowell, Mass.
Allen Packing Co., Collingswood, N. J.
Allen Paint & Putty Wks., 334 N. Ashland av, Chicago, Ill.
Allen, Percy Ira, architect, Cutler Bldg., Rochester, N. Y.
Allen Pitless Scale Co., mchsts. & fndrs., New Castle, Ind.
Allen, R. R., masons' & bldrs.' matls., Suffolk, Va.
Allen & Reed, architects, La Porte, Ind.
Allen & Reed, mill & facty. & steam fitters' supplies, 178 Dorrance, Providence, R. I.
Allen, Robert C., contractor, Park Bldg., Worcester, Mass.
Allen, Robt. T., shipping tags, Jackson, Mich.
Allen, S. L., & Co., agricultural implements, 5th & Glenwood, Philadelphia, Pa.
Allen, Sam'l. H., architect, Security bldg, St. Louis, Mo.
Allen Shade Holder Co., 46 Cornhill, Boston, Mass.
Allen Shipbldg. Co., Seattle, Wash.
Allen-Smith Co., contractors, Niagara Falls, N. Y.
Allen & Son Co., sash cord & sash chain fastener mfrs., 904 Main, Hartford, Conn.
Allen-Sparks Gas Light Co., Lansing, Mich.
Allen Spool & Printing Co., tex. machy., supplies, etc., Mystic, Conn.
Allen, T. B., flour mills, Brundidge, Ala.
Allen, Thompson, contractors, Woodbury, N. J.
Allen, Truman A., architect, 860 Dewey av, Rochester, N. Y.
Allen Typewriter Co., Allentown, Pa.
Allen, W. D., heating contractor, Seattle, Wash.
Allen, W. D., Mfg. Co., mill & facty., steamfitters' supplies, 566 W. Lake, Chicago, Ill. *See adv index at end of book*
Allen, W. H. & G. W., who. hdwe., 113 Market, Philadelphia, Pa.
Allen, W. H., Jr., steel structural dirs., 110 State, Boston, Mass.
Allen, W. M., Son & Co., contractors, Peoria, Ill.
Allen, W. R., contractor, Pittston, Pa.

Allen, Wm., architect, Kaysville, Utah.
Allen, Wm. A., Co., lbr., Portland, Me.
Allen, Wm. H., architect, 82 Church, New Haven, Conn.
Allen, Wm., Sons Co., boilers, heaters, etc., Green, Plymouth Washington, Worcester, Mass.
Allen, Wilson E., architect, Belmar, N. J.
Allen Wrench & Tool Co., wrench & tool mfrs., 189 Pub Providence, R. I.
Allendorf Co., lenses, Cleveland, Ohio.
Allen's, S., Sons, mill & facty. supplies, Greenfield, Mass.
Allenson Bros., tin cylinders, 9 Steeple, Providence, R. I.
Allentown Bobbin Works, bobbin mfrs., Allentown, Pa.
Allentown Boiler Works, Allentown, Pa.
Allentown Construction Co., Allentown, Pa.
Allentown Experimental Works, models, Union & So. 3rd, All town, Pa.
Allentown Mfg. Co., paint, Allentown, Pa.
Allentown Portland Cement Co., Allentown, Pa.
Allentown Reed, Harness & Mill Supply Co., Allentown, Pa.
Allentown Spinning Co., jute, Allentown, Pa.
Allentown Testing Laboratory, chemists, Allentown, Pa.
Allerton-Clarke Co., who. hdwe. mfrs.' agents, 74 W. Lake, C cago, Ill.
Alliance Brass & Bronze Co., castings, Alliance, Ohio.
Alliance Brick Co., Alliance, Ohio.
Alliance Chemical Co., sulphur colors, 176 Federal, Bost Mass.
Alliance Clay Product Co., Alliance, Ohio.
Alliance Co., plumbers' sanitary earthenware mfrs., 1924 C bourn av, Chicago, Ill.
Alliance Fertilizer Co., Alliance, Ohio.
Alliance Foundry Co., Canton, Ohio.
Alliance & Industrial Mfg. Co., fertilizer mfrs., Ellerson, Va.
Alliance Iron & Metal Co., scrap rubber, Alliance, Ohio.
Alliance Machine Co., traveling cranes, Alliance, Ohio.
Alliance Mfg. Co., auto. wood bodies, carriages, Streator, Ill
Alliance Milling Co., flour, Denton, Texas.
Alliance Spec. Mfg. Co., desk tele. brackets, Lakewood, Ohio.
Alliance Structural Co., structural mills, Alliance, Ohio.
Alliance Supply Mfg. Co., boring devices, Alliance, Ohio.
Alliance Vitreous China Co., Alliance, Ohio.
Alliance Window Glass Co., window glass mfrs., Salem, W.
Allied Bldg. Council, Sash & Door Div., 826 Perdido, N Orleans, La.
Allied Rubber & Mica Co., mill & facty. supplies, 1430 W. Cleveland, O.
Alligator Oil Clothing Co., mechanics' aprons, Gravios & Bi ham, St. Louis, Mo.
Allied Sugar Machy. Corp., 120 B'way, New York. See Al Machy. Co. of Am. (successor).
Alliger Box & Lbr. Co., North Tonawanda, N. Y.
Allin Mach. Wks., Helena, Ark.
Alling & Cory Co., envelopes, adding mach. rolls, Rochester, N
Alling Rubber Co., mill & factory supp., Hartford, Conn. Springfield, Mass.
Alling, Wm. H., Co., dock bldrs., New Haven, Conn.
Allington & Curtis Mfg. Co., mchsts. & fndrs., Saginaw, Mich
Allino Switch Box Mfg. Co., St. Louis, Mo.
Allinson, Geo. A., architect, Burlington, N. J.
Allis-Chalmers Mfg. Co., mfrs. all kinds of machinery, waukee, Wis.
Allison, A. W., architect, 748 Glenn av, Wilkinsburg, Pa.
Allison & Allison, architects, Hibernian Bldg., Los Angeles,
Allison, B. J., & Co., brick, Haverstraw, N. Y.
Allison Bros., soap & soap powders, Middletown, Conn.
Allison, Chas. B., Jr., architect, Jenkins Bldg., Pittsburgh, P
Allison Co., welders' rings, Chester, Pa.
Allison Contracting Co., 109 N. Dearborn, Chicago, Ill.
Allison Coupon Co., books, Indianapolis, Ind.
Allison & Doughty, stock mirrors & window glass, 559 W. 3 New York.
Allison & Goldbeck, contractors, 109 N. Dearborn, Chicago, I
Allison Lumber Co., Bellamy, Ala.
Allison, R. W., patterns & models, Dayton, Ohio.
Allison, S., & Son, stone, 1354 Palmetto, Los Angeles, Cal.
Allison & Hadaway Corp., lamps, 42 W. 39th, New York.
Allison & Vervalen Coal & Lumber Co., masons' & bldrs.' ma Haverstraw, N. Y.
Allison, W. D., Co., massage vibrators, Indianapolis, Ind.
Allison, Wm., machsts., Punxsutawney, Pa.
Allison & Wood, brick, Haverstraw, N. Y.
Allith-Prouty Co., hubs for Ford cars & hdwe. mfrs., Dan Ill.
Allivine Co., canned goods, Norma, N. J.
Allman Gas Engine & Mach. Co., 461 Canal, New York.
Allman, N. R., & Sons, sashes, doors & blinds, Garrett, Ind.
Allmendinger, Louis, architect, 20 Palmetto, Brooklyn, N. Y
Allmetal Weatherstrip Co., 126 W. Kinzie, Chicago, Ill.
Allmur Mfg. Co., elec. cooking app., Janesville, Wis., & Mar Ind.
Allot Hardware Co., mill & factory supplies, Alliance, Ohio.
Alloy Elec. Steel Casting Co., Warren, Ohio.
Alloy Metal Wire Co., 154 Nassau, New York
*See adv index at end of book*
Alloy Steel Forging Co., Carnegie, Pa.
Alloy Steel Products Corp., iron & steel products, 19 West 4 New York. *See adv index at end of book.*

d Metal & Mfg. Co., alum & bronze castings, 4537 Pope
v, St. Louis, Mo.
, Wm. P., Jr., architect, Fergusson Bldg., Duluth, Minn.
elequip Co., steel fcty. equip., Aurora, Ill.
rd-Bowman Glass Co., Des Moines, Ia.
od, J. R., & Son, cornices, 39 Marshall, Newark, N. J.
od Lime Co., 30 N. Dearborn, Chicago, Ill.
lale White Marble & Lime Co., Hartford, Conn.
& Quinn, contractors, E. 50th & 56th av, S. E., Port-
nd, Ore.
e Brass Fndry Co., 207 Crawford, Detroit, Mich., & Buf-
alo, N. Y.
e-Ryan Foundry Co., castings, Aetna rd & E. 91st, Cleve-
nd, Ohio.
Lumber Co., Alma, N. C.
Mfg. Co., clothiers' hdwe., etc., 661 S. Monroe, Baltimore,
d.
Standard Foundry Mfg. Co., Alma, Mich.
d, A. J., masons' & bldrs.' matls., Lithonia, Ga.
d, John Parks, architect, Little Rock, Ark.
Mfg. Co., elec. light fix. mfrs., 47 W 34th, New York.
la Canning Co., Wellston, Ohio.
al Mfg. Co., 7227 Manchester av, St. Louis, Mo.
n Engng. & Contr. Co., 25 Church, New York.
all & Co., htg. contrs., 1 Dominick, New York, & 53 W.
ackson blvd., Chicago, Ill.
oty, Randolph H., architect, 46 W. 46th, New York
d, David, machst., 88 Warren, Newark, N. J.
d Mfg. Co., drilling machines, 1516 E. 32d, Cleveland, O.
d Roller Mills (O. Culver), buckwheat flour, Almond,
Vis.
d, T. R., Mfg. Co., machsts. & fndrs, chucks, table lamps,
tc., Ashburnham, Mass.
t Mfg. Co., mchsts. & fndrs., Almont, Mich.
ist, Carl M., architect, 118 N. La Salle, Chicago, Ill.
Arthur Lewis, architect, 42 Weybosset, Providence, R. I.
Water Tube Boiler Co., 184 Allens av, Providence, R. I.
ra Mach. Works, Almyra, Ark.
A. S., Co., scientific instruments, 513 Olive, St. Louis, Mo.
Lumber Co., Aloha, Wash.
a Excelsior Co., Alpena, Mich.
a Woolen Mills Co., woolen blankets, Alpena, Mich.
in. H. J., Co., sad irons, 720 Euclid av, Cleveland, Ohio.
t Woodworking Co., sash, door & blind mfrs., 410 Snediker
v, Brooklyn, N. Y.
er, Hall & Alpeter Co., contractors, Ferguson Bldg., Los
ngeles, Cal.
Belt Dressing Co., 14 Cedar, New York.
Brick & Holding Co., Glasco, N. Y.
Brush Co., Troy, N. Y.
Electric Co., jobbers elec. materials, 116-18 W. 29th,
New York.
Hdwe. & Supply Co., Grass Valley & Nevada City, Cal.
Lamp Co., 113 Grant av, Harrison, N. J.
Mirror Mfg. Co., 115 Spring, New York
Portland Cement Co., Easton, Pa.
Supply Co., plbrs. supplies, Pittsburgh, Pa.
nduct Co., conduits, 136 Cator av, Jersey City, N. J.
mo Humus Co., 17 Battery Pl, New York
e Evaporated Cream Co., canners, Gonzales, Cal.
e Woolen Mills, Mount Airy, N. C.
n, A. R., scrap iron, Omaha, Neb.
quin Slate Products Co., Worcester, Mass.
dy Box Co., Danville, Ill.
uler, Alfred S., architect, 28 E. Jackson blvd. Chicago, Ill.
's Am. Portland Cement Wks., 277 B'way, New York.
g, J. R., drug, ball & pebble mills, 75 Guernsey, B'klyn, N. Y.
. M. M., architect, Clarksdale, Miss.
& Peirce, contractors & engineers, Newport News, Va.
mo Humus Co., 17 Battery Pl., New York.
St. Louis, Mo.
el Mfg. Co., baling presses, Battle Creek, Mich.
n & Hoggan, contractors, Contl. Nat. Bk. Bldg., Salt Lake
City, Utah.
n Lucas Paint Co., 1029 Currier, Chicago, Ill.
n Saw & Steel Co., hack saw blades, Folcroft, Pa.
, J. D., architect, James Bldg., Chattanooga, Tenn.
Box Mfg. Co., 174 Carroll, St. Louis, Mo.
Fred, mchst. & fndr., Effingham, Ill.
Glass Beveling Wks., 1781 Mission, San Francisco, Cal.
naha Fertilizer Co., Vidalia, Ga.
naha Woodworking Co., Darien, Ga.
vista Dogwood Mfg. Co., lbr., Altavista, Va.
nus, Jacob K., mchst., 2824 N. 4th, Philadelphia, Pa.
berg, George H., Lumber Co., Dancy, Wis.
eder, Theo., & Sons, draftsman's tools, 1217 Spring Garden,
Philadelphia, Pa.
. C. A., cornices, Indiana, Pa.
Light Co., mantles, 430 S. Green, Chicago, Ill.
son, L., & Co., shoe buckles, 162 W. 34th, New York.
aus, Jacob, & Co., contractors, 810 Olive, St. Louis, Mo.
ouse Bros., brick, Sycamore, Ohio.
ouse Chemical Co., dyes & dye stuffs, Reading, Pa.
ouse & Jones, architects, Mansfield, Ohio.
ouse, S. W., & Son, brick, Marseilles, Ohio.
ouse-Wheeler Co., agricultural implements, Waupun, Wis.
ri Bros., contractors, 145 Bishop, Waterbury, Conn.

Altieri Const. Co., Inc., 888 E. Tremont av, New York.
Altieri, M., & Sons, crushed stone, 363 Concord av, New York.
Altland, Alfred D., hammock mfrs., Dillsburg, Pa.
Altman, B., soap, 325 W. 21st, New York.
Altman, Harry W., architect, Uniontown, Pa.
Alton Box Board & Paper Co., Alton, Ill.
Alton Brick Co., Alton, Ill.
Alton Brick Co., Chemical Bldg., St. Louis, Mo.
Alton Bldrs. Supply Co., Alton, Ill.
Alton Canning Co., Alton, Ind.
Alton Iron & Metal Co., 2122 S. Loomis, Chicago, Ill.
Alton Lumber Co., Buckhannon, W. Va.
Altoona Brick Co., Altoona, Pa.
Altoona Coal & Coke Co., Altoona, Pa.
Altoona Concrete Constr. & Supply Co., Altoona, Pa.
Altoona Iron Co., Altoona, Pa.
Altoona Packing Co., Altoona, Wash.
Altoona Pipe & Supply Co., mill & facty. supplies, Altoona, Pa.
Altorfer Bros. Co., clothes washing machines, Peoria, Ill.
Altshuler ros., umbrella mfrs., 345 4th av, New York.
Alumina Shale Brick Co., Bradford & Lewis Run, Pa.
Alumina Soapalite Co., 625 3rd, San Francisco, Cal.
Aluminum Casting & Machine Co., 206 B'way, New York.
Aluminum Castings Co., fndrs., 2210 Harvard av, Cleveland, O.
Aluminum Co. of America, Oliver Bldg., Pittsburgh, Pa.
*See adv index at end of book.*
Aluminum Container Corp., metal nov. & spec., Fulton, N. Y.
Aluminum Cooking Utensil Co., New Kensington, Pa.
Aluminum Flake Co., Akron, Ohio.
Aluminum Fdry. Co., Sebring, Ohio.
Aluminum Goods Mfg. Co., aluminum kitchen ware, Manitowoc, Wis.
Aluminum Ore Co., East St. Louis, Ill.
Aluminum Products Co., La Grange, Ill.
Aluminum Rolling Mill Co., aluminum sheets, Ivanhoe Rd, Cleveland, Ohio.
Aluminum Sign Co., Kewaunee, Wis.
Aluminum Specialty Co., small metal specialties, Manitowoc, Wis.
Aluminum Ware Mfg. Co., Inc., hollow ware, Elmira, N. Y.
Aluminite Mfg. Co., 427 4th av, New York
Alva Roller Mills, flour, Alva, Okla.
Alvey-Ferguson Co., conveyors, 70 North av, Oakley, Cincinnati, Ohio.
Alvey Mfg. Co., chain conveyors, etc., 3201 S. B'way, St, Louis, Mo.
Alvin Mfg. Co., table silverware, Sag Harbor, N. Y.
Alvord Reamer & Tool Co., Millersburg, Pa.
Alvord & Burdick, consulting engrs., 8 S. Dearborn, Chicago, Ill.
Alward, B. R., flour mills, Camden, Mich.
Alwine Bros. Brick Co., New Oxford, Pa.
Alworth, F. C., lbr., Green Cove Springs, Fla.
Amalgamated Cornice Roofing Co., 161 Broome, New York.
Amalgamated Dyestuff & Chemical Works, Inc., 75 Hudson, New York.
Amalgamated Gum Co., cascin, Troy, N. Y.
Amalgamated Machy. Corp., 72 W. Adams, Chicago, Ill.
Amalgamated Metals Selling Co., Ltd., 42 Broadway, New York
Amalgamated Motors Corp., Alhambra, Cal.
Amalgamated Oil Co., Pac. Elec. bldg, 608 S. Main, Los Angeles, Cal.
Amalgamated Paint Co., Pier 11, N. R., New York.
Amalgamated Roofing Co., 431 S. Dearborn, Chicago, Ill.
Amalgamated Sugar Co., Ogden, Utah.
Aman & Sandmann, packing box mfrs., 18 W. McMicken av, Cincinnati, Ohio.
Amana Society, blankets, Amana, Iowa.
Amarillo Hardware Co., wholesale, Amarillo, Texas.
Amason, T. E., contr., Thomasville, Ga.
Amazon Rubber Co., Akron, O.
Amberg File & Index Co., 1400 Fulton, Chicago, Ill.
Amberg, Louis, & Son, children's vehicles, dolls, 101 E. 16th, New York.
Ambler-Davis Co., contractors, Harrison Bldg., Philadelphia, Pa.
Ambler, Edwin P., heating contr., 2822 La Salle, St. Louis, Mo.
Ambler, H. C., Contracting Co., masons' & bldrs.' matls., 3717 Old York rd, Philadelphia, Pa.
Ambler Saw Mfg. Co., hand & circular saws, filing, brazing & setting machines, Natick, Mass.
Amboy Paper Co., cardboard, Bridgeport, Pa.
Amboy Products Co., canned goods, Amboy, Ill.
Amboy Wks., electric & gas light portables, Perth Amboy, N. J.
Ambroid Co., varnish mfrs., 227 Miller av, Brooklyn, N. Y.
Ambrose, C. P., & Bro., cornices & skylights, Berkeley Springs, W. Va.
Ambrose, F. O., mill & facty. supplies, Janesville, Wis.
Ambrose, J. T., canned goods, Oakland, W. Va.
Ambrose Mach. Co., 254 Eagle, Brooklyn, N. Y.
Ambrose, Thomas B., hardware, wholesale, Nashua, N. H.
Ambursen Const. Co., wire rope tramways, 61 B'way, New York.
A. M. Machine Wks., mfrs. & general machines wk., 721 W. Washington, Chicago, Ill.
Amendt Milling Co., flour, Monroe, Mich.
America Htg. & Supply Co., Rockford, Ill.
Am. Abrasive Co., Westfield, Mass.

Am. Abrasive Mfg. Co. See Worcester Abrasive Co. (successors).
Am. Abrasive Metals Co., 50 Church, New York.
Am. Adding Mach. Co., Mills Bldg., San Francisco, Cal.
Am. Agricult. Chemical Co., fertilizer mfrs., 2 Rector, New York.
Am. Air Compressor Wks., 26 Cortlandt, New York.
Am. Alkali & Acid Co., Bradford, Pa.
Am. Alloys Co., metals, American Bldg., Baltimore, Md.
Am. Aluminum Mfg. Co., Lemont, Ill.
Am. Aluminum Ware Co., 374 Jeliff av, Newark, N. J.
Am. Aniline Products, Inc., aniline colors & dyes, 80 5th av, New York.
Am. Antiformin Co., disinfectants, 322 9th, Brooklyn, N. Y.
Am. Appliance Co., lamps, Indianapolis, Ind.
Am. Appraisal Co., setting valuations, Stroh Bldg., Milwaukee, Wis.
Am. Arch. Co., loco. brick arches, etc., 30 Church, New York.
Am. Architect, trade publications, 243 W. 39th, New York.
Am. Archl. Iron Wks., E. Boston, Boston, Mass.
Am. Aromatic Disinfector Co., 428 Walnut, Philadelphia, Pa.
Am. Art Bronze Fdry., 4921 W. Lake, Chicago, Ill.
Am. Art Metal Wks., bronze doors, 13 Grace, San Francisco, Cal.
Am. Art Papier Mache Wks., 6311 N. Clark, Chicago, Ill.
Am. Art Sign Co., 201 37th, Brooklyn, N. Y.
Am. Art Works, Coshocton, Ohio.
Am. Artisan, trade publications, 616 S. Michigan av, Chicago, Ill.
Am. Asbestos Co., Norristown, Pa.
Am. Asbestos & Mfg. Co., 58 Sutter, San Francisco, Cal.
Am. Asphalt Assn., asphalt miners, Wainwright Bldg., St. Louis, Mo.
Am. Auto Accessories Co., Blue Rock & C. H. & D. R. R. Cum., Cincinnati, O.
Am. Atmos Corp., See Draeger Oxygen Apparatus Co. (successors).
Am. Auto Top Mfg. Co., 1451 Wash. blvd., Chicago, Ill.
Am. Automatic Device Co., 515 W. Monroe, Chicago, Ill.
Am. Automatic Scale Co., 448 Huffman, av, Dayton, O.
Am. Autopress Co., printing press mfrs., 261 W. 36th, New York.
Am. Automatic Mach. Co., self-closing cocks & bibbs, 22 Lovering, Boston, Mass.
Am. Auxiliary Heating Co., 6 Beacon, Boston, Mass.
Am. Axe & Tool Co., Glassport, Pa.
Am. Axle Works, 12th & Montgomery av, Philadelphia, Pa.
Am. Badge Co., advtg. nov. & spec., 143 W. Austin av, Chicago, Ill.
Am. Bag & Burlap Co., Boston, Mass.
Am. Bag Co., dlrs. in bags, burlap & twine, 3rd & Harrison, Oakland, Cal.
Am. Bag Co., Memphis, Tenn.
Am. Bakers Machy. Co., 2121 N. 9th, St. Louis, Mo.
Am. Balance Valve Co., Jersey Shore, Pa.
Am. Ball Chain Wks., 12 Wooster, New York.
Am. Ball Co., ball bearings, steel balls mfrs., 115 Clifford, Providence, R. I.
Am. Ball Valve & Mfg. Co., 578-80 Franklin, Detroit, Mich.
Am. Ballast Co., ground or pulverized limestone, Holston Nat. Bk. Bldg., Knoxville, Tenn.
Am. Balsa Co., Inc., 50 E. 42nd, New York.
Am. Bank Protection Co., alarms, 1201 S. 3rd, Minneapolis, Minn.
Am. Bar Lock Co., vault & sidewalk lights, Borden av, Long Island City, N. Y.
Am. Battery Co., 1132 Fulton, Chicago, Ill.
Am. Bauxite Co., Oliver Bldg., Pittsburgh, Pa.
Am. Bearing & Die Casting Corp., 212 W. McCarthy, Indianapolis, Ind. *See adv index at end of book*
Am. Beauty Stove Co., Erie, Pa.
Am. Bed Co., 1820 McNulty, St. Louis, Mo.
Am. Bedding Co., Superior, Wis.
Am. Beet Sugar Co., Denver, Colo.
Am. Bell & Foundry Co., Northville, Mich.
Am. Belting Co.'s., Texas, Md.
Am. Belting & Tanning Co., 135 Oliver, Boston, Mass.
Am. Billiard Table & Saloon Fixture Co., 924 McLean av, Cincinnati, Ohio.
Am. Bitumastic Enamels Co., preservative paint mfrs., 17 Battery pl, New York.
Am. Blacksmith Co., trade publications, 775 Main, Buffalo, N. Y.
Am. Blakeslee Mfg. Co., engines, Birmingham, Ala.
Am. Blakeslee Mfg. Co., fruit & vegetable packages, veneer cutting machy., gas engines, etc., Birmingham, Ala.
Am. Blangas Corp., liquefied chemicals & gases, 19 W. 44th, New York.
Am. Blank Book Mfg. Co., 150 Lafayette, New York.
Am. Blind Stitch Mach. Co., 325 Lafayette, New York.
Am. Block & Mfg. Co., Warren, Ohio.
Am. Blower Co., mchsts. & fndrs., 1400 Russell, Detroit, Mich.
Am. Blue Print Co., 30 E. 42d, New York.
Am. Blue Print Paper Co., drawing materials,445 Plymouth ct, Chicago, Ill.
Am. Blue Stone Co., Warsaw, N. Y.
Am. Boat Co., motor boat, Detroit, Mich.
Am. Body Co., auto. bodies, 1200 Niagara, Buffalo, N. Y.
Am. Boiler Welding Co., welding, 310 N. Halsted, Chicago, Ill.
Am. Boiler Wks., Erie, Pa.
Am. Bolt Co., Birmingham, Ala.
Am. Bolt & Screw Case Co., Dayton, Ohio.
Am. Bonding Co. of Baltimore, insurance, Fidelity Bldg., Baltimore, Md.
Am. Boron Products Co. See Boron Products Co., (successors)
Am. Bottle Cap Mfg. Co., 53 E. Illinois, Chicago, Ill.
Am. Bottle Co., 38 S. Dearborn, Chicago, Ill.
Am. Bottle Co., Newark, Ohio.
Am. Box Ball Co., bowling alley bldrs., 1545 Vanburen, Indianapolis, Ind.
Am. Box Board Co., Grand Rapids, Mich.
Am. Box Co., packing box, 1900 W. 3d, Cleveland, O.
Am. Box & Lumber Co., Nashua, N. H., and Norfolk, Va.
Am. Brake Co., 1932 N. B'way, St. Louis, Mo.
Am. Brake Shoe & Fndry. Co., 30 Church, New York.
**AMERICAN BRASS CO.,** brass, copper & nickel silver in form of sheets, rolls, wire, rods & tubes, mfrs., Waterbury, Conn. *For Branch offices see adv. index at end of book*
Am. Brass & Copper Co., 138 Lafayette, New York.
Am. Brass Fix. Wks., machsts., 66 Greenpoint av, B'klyn, N.
Am. Brass Fndry. Co., Milwaukee, Wis.
Am. Brass & Glass Co., elec. & gas light fixtures, 190 N. La Salle, Chicago, Ill.
Am. Brass & Iron Co., machsts. & fndrs., castings, etc., 1 Capital, Detroit, Mich.
Am. Brass Mfg. Co., cocks, stops & waste, 1521 E. 49th, Cleveland, Ohio.
Am. Brass Mfg. Co., fndrs., 731 Folsom, San Francisco, Cal.
Am. Brass Novelty Co., plumbers' supplies, Grand Haven, Mich.
Am. Brass Products Co., forgings, stampings & specialties, Pottstown, Pa.
Am. Bread & Pastry Board Co. See Imperial Mfg. Co., successors).
Am. Briar Pipe Co., 170 W. Randolph, Chicago, Ill.
Am. Brick Co., Berlin, Conn.
Am. Brick Co., common brick, Scranton, Pa.
Am. Brick & Tile Co., Oklahoma, Okla.
Am. Bridge Co., bridge bldg., steel structl. wk., etc., 30 Church, New York.
Am. & British Mfg. Co., motor fire engines, steel projectiles, Charles, Providence, R. I.
Am. Bronze Corp., bearings, bushings, castings, bronze, Berwyn, Pa.
Am. Bronze Co., fndrs., Buffalo, N. Y.
Am. Bronze Powder Mfg. Co., 16 Warren, New York.
Am. Broom & Brush Co., Amsterdam, N. Y.
Am. Broom Mfg. Co., Ltd., Short & Edenburg, New Orleans, La.
Am. Broom Supply Co., St. Louis, Mo.
Am. Brush Corp., 1222 W. Madison, Chicago, Ill.
Am. Buckle Co., West Haven, Conn.
Am. Bldg. Brick Co., 3639 W. 56th, Cleveland, Ohio.
Am. Bldg. Fdry. Co., 2300 S. Springfield av, Chicago, Ill.
Am. Buncher Mfg. Co., Oliver & Harding, Indianapolis, Ind.
Am. Bureau of Inspection, inspecting & testing engineers, Monadnock Blk., Chicago, Ill.
Am. Butter Cutting Mach. Co., Elmsford, N. Y.
Am. Button Co., 70 Morris av, Newark, N. J.
Am. Button Wks., 48 W. 21st, New York.
Am. Cabinet Co., dental furn., Two Rivers, Wis.
Am. Calk Co., steel toe-calks, 1217 Forest, Detroit, Mich.
Am. Camphor Refining Co., 14 Fulton, Boston, Mass.
Am. Can Co., 120 B'way, New York. *See adv index at end of book*
Am. Car Co., 1518 S. Vandeventer av, St. Louis, Mo.
Am. Car & Foundry Co., car supplies, machsts. & fndrs. bldrs., etc., Syndicate Trust Bldg., St. Louis, Mo.
Am. Car Sprinkler Co., Worcester, Mass.
Am. Carbolite Co., calcium carbide, Duluth, Minn.
Am. Carbon & Battery Works of National Carbon Co., Inc., St. Louis, Ill.
Am. Carbonic Machinery Co., ice & refrigerating machinery, Grand Rapids, Wis.
Am. Card Clothing Co., Worcester, Mass.
Am. Carpenter & Bldr. Publishing Co., 1827 Prairie av, Chicago, Ill.
Am. Carpet & Upholstery Journal, 421 Chestnut, Phila., Pa.
Am. Carrara Marble Co., Los Angeles, Cal.
Am. Carriage Co., 1275 Budd, Cincinnati, Ohio.
Am. Carriage Co., Kalamazoo, Mich.
Am. Carton Sealing Mach. Co., 1060 W. Harrison, Chicago, Ill.
Am. Cash Register Co., Saginaw, Mich.
Am. Cast Iron Pipe Co., Birmingham, Ala.
Am. Casting Co., fndrs., cast iron pipe, culverts, etc., Birmingham, Ala.
Am. Casting & Mfg. Corp., 30 Main, Brooklyn, N. Y.
Am. Cement Mach. Co., Keokuk, Ia.
Am. Cement Plaster Co., Lawrence, Kans.
Am. Cement Tile Mfg. Co., Oliver Bldg., Pittsburgh, Pa.
Am. Cereal-Coffee Co., cereal foods, 319 W. Chicago av, Chicago, Ill.
Am. Cereal Co., 17 Battery pl, New York.
Am. Chain Co., chain mfrs., Bridgeport, Conn.
Am. Character Doll Co., Inc., 67 Spring, New York
Am. Chemical Co., 640 Carr, Cincinnati, Ohio.
Am. Chemical & Dyestuff Co., 97 Oliver, Boston, Mass.
Am. Chemical & Mfg. Co., paint mfrs., 617 Monticello av, Norfolk, Va.
Am. Chemical & Mining Co., polish, Atlanta, Ga.

hemical Paint Co., 1118 S. 11th, Philadelphia, Pa.
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hime Clock Co., 1665 Ruffner, Philadelphia, Pa.
**ICAN CHIMNEY CONSTRUCTION CO.,** radical & common ick; repairings done while in use, 407 Oxford bldg, Chigo, Ill.
himney Corp., 147 4th av, New York.
ircular Loom Co., interior conduits, 90 West, New York, nd Boston, Mass.
ity, trade publications, 154 Nassau, New York.
an Clay Machinery Co. (The), S. Walnut, Bucyrus, Ohio.
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lay Products Co., 175 5th av, New York.
lay Products Mfg. Co., potteries, Stillwater, Minn.
lip Co., filing devices, Beebe av, Long Island City, N. Y.
lothes Dryer Co., 224 W. 26th, New York.
oal Chute Co., 14 Buffington av, Newark, N. J.
oal Co. of Allegheny Co., 1 B'way, New York.
oal Mining Co., Brazil, Ind.
oating Mills, cardboard, boxboard, etc., Elkhart, Ind.
old Japan Co., paint mfrs., Pittsburgh, Pa.
ollapsible Tube Corp., 1012 Clinton, Hoboken, N. J.
olor Co., dyes, Indianapolis, Ind.
olortype Co., calendars, 207 W. 25th, New York.
olumn Co., steel columns, Battle Creek, Mich.
olumn & Lumber Co., St. Albans, W. Va.
ommercial Car Co., auto bldrs., Gratiot av & Detroit Terinal R. R., Detroit, Mich.
ommercial Corp., bags, baskets, etc., 120 B'way, New York.
ompound Co., case hardening compounds, 469 Atlantic y, Boston, Mass.
ompressor & Pump Co., 801 E. Pratt, Baltimore, Md.
omputing Co., cheese cutters, Indianapolis, Ind.
oncrete Paving Co., 166 Georgia, Buffalo, N. Y.
oncrete Filler Co., Hippodrome Annex, Cleveland, Ohio.
oncrete Steel Co., 27 Clinton av, Newark, N. J.
ondenser & Engng. Corp., 120 B'way, New York.
onduit Co., East Chicago, Ind.
onduit Mfg. Co., Keystone Bldg., Pittsburgh, Pa.
onstr. Co., Falls City, Neb.
onstr. Co., Castle Hall bldg, Indianapolis, Ind.
onstruction Co., dams, bulkheads, breakwaters, etc., arion Bldg., Cleveland, Ohio.
ontrg. Co., Title Guaranty Bldg., St. Louis, Mo.
ontractor Publishing Co., 6 N. Mich., Chicago, Ill.
ooperage Co., Helena, Ark.
opper & Brass Wks., copper pans, stills, tanks, etc., 614 . Front, Cincinnati, Ohio.
ork Co., 16 Blackstone, Boston, Mass.
orn Mill Co., Winston-Salem, N. C.
ornice Works, 966 E. 4th, Los Angeles, Cal.
ornice Wks., 3 Charles, Providence, R. I.
otter Pin Co., Park Bldg., Pittsburgh, Pa.
otton Mills Co., cheese cloth, 353 B'way, New York.
otton Oil Co., 65 B'way, New York.
rane & Engng. Co., Toledo, Ohio.
rayon Co., 1300 Hayes av, Sandusky, Ohio.
reosote Works, Southport, New Orleans, La.
reosoting Co., Louisville, Ky.
reosoting Co., Bogalusa, La. *See adv. index at end of book.*
reosoting Co., creosoting works, 17 Battery pl, New York.
rucible Furnace Co., Elyria, O.
uckoo Clock Co., 1665 Ruffner, Wayne Junction, Philaelphia, Pa.
ulvert Co., steel coal bins, Albert Lea, Minn.
utlery Co., 764 Mather, Chicago, Ill.
yanamid Co., chemicals, 511 5th av, New York.
ie & Tool Co., manufacturing machinists, Reading, Pa.
isinfectant Wks., Buffalo, N. Y.
isinfecting Co., Sedalia, Mo.
**Distilling Co. of N. Y., 49 Washington, New York.**
istilling Co., Pekin, Ill.
istributing Co., distributors, 27 William, New York.
istrict Steam Co., heating contrs. & steam fitters' supplies, orth Tonawanda, N. Y.
oll Mfg. Co., 61 Wooster, New York.
rafting Furniture Co., 129 Mill, Rochester, N. Y.
redge Building & Constr. Co., Seattle, Wash.
redging Co., Mariners' & Merchants' Bldg., Phila., Pa.
redging Co., 255 California, San Francisco, Cal.
can Dressler Tunnel Kilns, Inc., 171 Madison av, New ork
rop Forger, trade publication, 108 Smithfield, Pittsburgh, a.
ry Plate Co., Worcester, Mass.
uplicator Co., 3 Coenties sl, New York.
uralumin Co., 11 Pine, New York.
ust Absorbing Floor Oil Co., 100 Greene, New York.
yewood Co., 80 Maiden la, New York.
ynalite Co., Amherst, Ohio.
Electric Air Pump Co., compressors (air), Penn & Barbeau, ittsburgh, Pa.
lectric Battery Wks., 100 Grand, New York.
Elec. Co., tele. apparatus & lightning arresters, 6401 S. tate, Chicago, Ill.
Elec. Cutting Mach. Co., 410 E. 32d, New York.
Elec. Equipment Co., soldering flux & portables, Kansas ity, Mo.

Am. Elec. Lamp Wks. of G. E. Co., Central Falls, R. I.
Am. Elec. Mach. & Elev. Co., 1706 N. 12th, St. Louis, Mo.
Am. Elec. Tool Co., machsts., drills, W. Newton, Mass.
Am. Elec. Welding Co., 200 5th av, New York.
Am. Elec'l. Heater Co., machst., Burroughs & Woodward av, Detroit, Mich.
Am. Electrical Works, cables, coils, wires, etc., Phillipsdale, R. I.
Am. Elevator Co., 117 Cedar, New York.
Am. Elevator & Electric Co., 511 Poydras, New Orleans, La.
Am. Elevator & Machine Co., Louisville, Ky.
Am. Emblem Co., Inc., advtg. novelties, 333 Columbia, Utica, N. Y.
Am. Emery Wheel Works, 325 Waterman, Providence, R. I.
Am. Enamel Co., wood turners & enamelers & enamel mfrs., Providence, R. I.
Am. Enameled Brick & Tile Co., brick mfrs., 52 Vanderbilt av, New York.
Am. Enameled Magnet Wire Co., Muskegon, Mich.
Am. Enameling Mfg. Corp., Rahway, N. J.
Am. Encaustic Tiling Co., tile mfrs., 16 E. 40th, New York.
Am. Engine & Boiler Wks., Tonawanda, N. Y.
Am. Engine Co., rowboat motors, 2d & Amsterdam, Detroit, Mich.
Am. Engine & Fdry. Co., farm elec. ltg. systems, Charles City, Ia.
Am. Engineering Co., shipbuilding machinery, Philadelphia, Pa.
Am. Envelope Co., 817 Washington blvd, Chicago, Ill.
Am. Envelope Co., West Carrollton, Ohio.
Am. Equip. Co., bolt, nut & rivet, Norristown, Pa., & Mobile, Ala.
Am. Evaporator Co., 222 N. Front, Philadelphia, Pa.
Am. Ever Ready Wks. of Nat. Carbon Co., electrical specialties, battery holders, Thompson av, L. I. City, N. Y.
Am. Expansion Bolt Co., 4077 Park, New York.
**AMERICAN EXPORTER,** trade publication, 17 Battery pl, New York
Am. Extract Co., 129 W. Kinzie, Chicago, Ill.
Am. Face Brick Assn., Fulton Bldg., Pittsburgh, Pa.
Am. Fastener Co., Waterbury, Conn.
Am. Feather Duster Co., 23 Great Jones, New York.
Am. Felt. Co., 100 Summer, Boston, Mass.
Am. Fence Const. Co., steel, 96 Church, New York.
Am. Ferrofix Brazing Co., Perry Bldg., Philadelphia, Pa.
Am. Fertilizer, trade publications, 1010 Arch, Philadelphia, Pa.
Am. Fertilizer Co., Savannah, Ga.
Am. Fertilizing Co., Norfolk, Va.
Am. Fibre Chair Seat Corp., 540 Van Alst av, Long I. City, N. Y.
Am. Fibre Co., Jacksonville, Fla.
Am. Fiber Package Co., div. of Am. Box Board Co., Grand Rapids, Mich.
Am. Fidelity Co., insurance, Montpelier, Vt.
Am. File Renewing Co., 85 Kimball, Providence, R. I.
Am. Film Co., moving picture films, 6227 B'way, Chicago, Ill.
Am. Filter Co., 665 Buffum, Milwaukee, Wis.
Am. Finishing Machy. Co., 141 Milk, Boston, Mass.
Am. Fire Alarm Co., 967 Liberty av, Pittsburgh, Pa.
Am. Fire App. Co., 30 E. 42d, New York.
Am. Fire Brick Co., Spokane, Wash.
Am. Fire Clay Co., American Trust Bldg., Cleveland, Ohio.
Am. Fisheries Co., shipdldr., Bellingham, Wash.
Am. Fixture Co., store fix., 20th & York, San Francisco, Cal.
Am. Fixture & Mfg. Co., Troy, Ohio.
Am. Flag Co., 73 Mercer, New York.
Am. Flag Mfg. Co., Easton, Pa.
Am. Flexible Bolt Co., Union Bank Bldg., Pittsburgh, Pa.
Am. Flint Co., silex, Iron City, Tenn.
Am. Floor Surfacing Machine Co., Toledo, Ohio.
Am. Flyer Mfg. Co., toys, games & nov., 2219 S. Halstead, Chicago, Ill.
Am. Folding Box Co., 21 W. 4th, New York.
Am. Folding Machine Co., paper folding machines, Warren, Ohio.
Am. Forge Co., 25 Tehama, San Francisco, Cal.
Am. Forge & Mach. Co., Canton, Ohio.
Am. Forge Wks., Denver, Colo.
Am. Forging & Socket Co., auto bow sockets, Pontiac, Mich.
Am. Forging Co., Clifton, N. J.
Am. Fork & Hoe Co., Swetland Bldg., Cleveland, Ohio.
Am. Fdry. & Casting Co., Dayton, Ohio.
Am. Fdry. Co., Indianapolis, Ind.
Am. Fdry. & Construction Co., steam heating contractors, expansion joints, etc., 2d av. & Longworth, Pittsburgh, Pa.
Am. Fdry. & Furnace Co., furnace & boilers, Bloomington, Ill.
Am. Fdry. & Mach. Co., Hamilton, Ohio.
Am. Fdry. & Mfg. Co., galvanizing works, Frederick, Md.
Am. Fdry. & Mfg. Co., 11th & Herbert, St. Louis, Mo.
Am. Fdry. & Pipe Co., Penn Station, Pa.
Am. Fdry. Equip. Co., 52 Vanderbilt av, New York
**AMERICAN FROG & SWITCH CO. (THE),** Hamilton, Ohio. *See adv. index at end of book.*
Am. Fuel Savings Corp., Fort Wayne, Ind.
Am. Funeral Director trade publication, Grand Rapids, Mich.
Am. Furnace Co., 2725 Morgan, St. Louis, Mo.
Am. Galco, Inc., oil cups, Grand Central Palace, New York.
Am. Galvanizing Co., 3300 Grays Ferry av, Philadelphia, Pa.
Am. Gas Construction Co., Newtown, Iowa.
Am. Gas Engine Co., 11th & Winchester av, Kansas City, Mo.
Am. Gas Fixture Works, 1235 Filbert, Philadelphia, Pa.
Am. Gas Furnace Co., 24 John, New York.

Am. Gas Governor Wks., Inc., 31-33 E. 27th, New York.
Am. Gas Engng. Journal, 150 Nassau, New York
Am. Gas Machine Co., camp stoves, Albert Lea, Minn
Am. Gas Machine Co., Inc., lamps, lighting systems, washing machines, etc., 78 Reade, New York.
Am. Gauge Co., Dayton, Ohio
Am. Gauze & Cotton Co., Inc., 407 N. 8th, St. Louis, Mo.
Am. German Boiler Compound Co., 30 N. Dearborn, Chicago, Ill.
Am. Glass Co., Ada, Okla.
Am. Glass Spec. Co., lantern globes, Monaca, Pa.
Am. Glass Wks., bottles, Richmond, Va.
Am. Glove Co., 2027 Churchill, Chicago, Ill.
Am. Glue Co., 121 Beverly, Boston, Mass.
Am. Golf Glove Co., 5127 Lena, Gtn., Philadelphia, Pa.
Am. Grain Separator Co., Erie & S. E. Essex, Minneapolis, Minn.
Am Granite Co., Hardwick, Vt.
Am. Granite Co., 15th & Cleveland avs, Milwaukee, Wis.
Am. Granite Saw Co., Worcester, Mass.
Am. Graphite Co., 38 S. Dearborn, Chicago, Ill.
Am. Graphite Co., baking enamels, Cleveland, Ohio.
Am. Graphophone Co., fndrs., Bridgeport, Conn.
Am. Graphophone Co., Woolworth Bldg., New York.
Am. Grinder Mfg. Co., 718 Poplar, Milwaukee, Wis.
Am. Grocer, trade publication, 90 Broadway, New York.
Am. Grondal Co., furnaces, 120 Broadway, New York.
Am. Guard Rail Fastener Co., rail anchors, fasteners & braces, Real Estate Trust Bldg., Philadelphia, Pa.
Am. Gum Products Co., core compounds, 200 5th av, New York.
Am. Gum Tape Co., 115 Worth, New York.
Am. Gut String Mfg. Co., 5415 S. Ashland av, Chicago, Ill.
Am. Gypsum Co., wall plaster mfrs., Rochester, N. Y.
Am. Hair Cloth Co., Pawtucket, R. I.
Am. Hair Felt Co., 41st & Madison av, New York.
Am. Hame & Bit Co., mchsts. & fndrs., 59 N. J. R. R. av, Newark, N. J.
Am. Handle Co., Jonesboro, Ark.
Am. Hard Rubber Co., rubber goods mfrs., 9 Mercer, New York, & Akron, Ohio.
Am. Hard Wall Plaster Co., Utica, N. Y.
Am. Hardware Equipment Co. (wholesale), Charlotte, N. C.
**AMERICAN HARDWARE JOBBERS DIRECTORY**, 107 6th, Pittsburgh, Pa. *See adv index at end of book*
Am. Hdwe. Journal, trade publication, 13 Park Row, New York.
Am. Hdwe. Lbr. Co., Main & Dock, St. Louis, Mo.
Am. Hdwe. Stores, Inc., hdwe., mill, facty., & auto supplies, Fairfield & Middle, Bridgeport, Conn.
Am. Hardware & Supply Co., Fairfield av & Middle, Pittsburgh, Pa.
Am. Hatter, trade publication, 1182 B'way, New York.
Am. Heating Co., 7034 B'way, S. E., Cleveland, Ohio.
Am. Heating Co., Duluth, Minn.
Am. Heating Spec. Co., box 344, Peru, Ind.
Am. Heating & Supply Co., Rockford, Ill.
Am. Hide & Leather Co., 1330 Elston av, Chicago, Ill.
Am. High Speed Chain Co., Indianapolis, Ind.
Am. High Speed Press Co., 52 W. 23rd, New York.
Am. Hog Post Co., oilers, Peoria, Ill.
Am. Hoist & Derrick Co., hoists & derricks, St. Paul, Minn.
Am. Home Mixture Guano Co. See L. G. Council Fertilizer Wks. (successors).
Am. Hominy Co., Indianapolis, Ind.
Am. Hone Co., Olean, N. Y.
Am. Horse Shoe Co., iron rolling & steel bar mills, Phillipsburg, N. J.
Am. Hosiery Co., New Britain, Conn.
Am. Huhn Metallic Packing Co., 233 B'way, New York.
Am. Hydrating Co., lime hydrating machy., Md. Trust Bldg., Baltimore, Md.
Am. Ice Co., tongs, 6th & Arch, Philadelphia, Pa.
Am. Incandescent Heat Co., Inc. See Industrial Furnace Corp. (successors).
Am. Injector Co., machsts. & brass fndrs., injectors & ejectors, 173 14th av, Detroit, Mich.
Am. Industrial & Engng. Co., 53 W. Jackson blvd, Chicago, Ill.
Am. Ink Co., printing inks, 132 Nassau, New York.
Am. Institute of Architects, N. Y. av, Washington, D. C.
Am. Insulated Wire & Cable Co., 954 W. 21st, Chicago, Ill.
Am. Insulating Machinery Co., wire winding & covering machinery, Fairhill & Huntingdon, Philadelphia, Pa.
Am. Insulation Co., pipe & boiler covering, Roberts av & Stokley, Philadelphia, Pa. *See adv index at end of book.*
Am. Insulator Co., Inc., New Freedom, Pa.
Am. International Shipbuilding Corp., Hog Island, Philadelphia, Pa.
Am. Iron & Metal Co., scrap rubber, 140 Oliver, Boston, Mass.
Am. Iron & Supply Co., scrap iron & steel, 110 S. Dearborn, Chicago, Ill.
Am. Iron & Supply Co., oil well supplies, Marietta, Ohio.
Am. Iron & Wire Wks., 1622 Carroll av, Chicago, Ill.
Am. Iron & Wire Wks., architect'l & ornamental, Seattle, Wash.
Am. Iron Works, Des Moines, Ia.
Am. Iron Wks., machsts., Louisville, Ky.
Am. Ironing Machine Co., 168 N. Michigan, Chicago, Ill.
Am. Kardex, filing devices, Tonawanda, N. Y.
Am. Kersey Co., woolen blankets, Litchfield, Minn.
Am. Key Can Co., 140 S. Dearborn, Chicago, Ill.
Am. Keyless Lock Co., 619 W. Jackson, Chicago, Ill.
Am. Knife Co., Baldwinsville, N. Y.
Am. Knitting Co., bathing suit mfrs., Honesdale, Pa.
Am. Knitting Co., bathing suits, Waltham, Mass.
Am. Knitting Mills, sweaters, etc., Cent'l Trust Bldg., Phila.
Am. Kron Scale Co., 430 E. 53rd, New York.
Am. Krupp System-Diesel Engine Co., machsts., 165 Broad, Brooklyn, N. Y.
Am. Label & Advtg. Tape Co., 60 Cooper Sq., New York.
Am. Label Co., 216 W. 18th, New York.
Am. Label Mfg. Co., Cross & Covington, Baltimore, Md.
Am. Lace Leather Co., belt lacing, Richmond, Va.
Am. Lace Paper Co., 419 3rd, Milwaukee, Wis.
Am. Lacquer Co., Bridgeport, Conn.
Am. La France Fire Engine Co., Elmira, N. Y.
Am. Lamp Wks., 253 W. 47th, New York.
Am. Laundry Machy. Co., Cincinnati, Ohio.
Am. Lava Corp., acetyl. gas burner, tile mfrs. & miners, Chattanooga, Tenn. *See adv index at end of book.*
Am. Lawn Mower Co., Muncie, Ind.
Am. Lead Burning Co., Inc., 30 Church, New York.
Am. Lead Co., bar, 3116 Penn av, Pittsburgh, Pa.
Am. Lead Pencil Co., 220 5th av, New York.
Am. Leather Mfg. Co., Newark, N. J.
Am. Leather Products Co., Indianapolis, Ind.
Am. Lightning Rod Co., Omaha, Neb.
Am. Lime & Stone Co., Tyrone, Pa.
Am. Line Materials Co., cross-arms & underground conduits, S. Michigan, Chicago, Ill.
Am. Linoleum Mfg. Co., 366 5th av, New York.
Am. Linseed Co., 79 Milk, Boston, Mass.
Am. Linseed Co., Majestic Bldg., Detroit, Mich.
Am. Linseed Co., Woolworth Bldg., New York.
Am. Locknut Co., Peoples Gas bldg, Chicago, Ill.
Am. Lock Nut & Tool Co., mchsts. & fdrs., Oregon, Ill.
Am. Locomotive Co., mchsts. & fndrs., 30 Church, New York, Beaver & Stanton, Pittsburgh, Pa.
Am. Logging Tool Co., Evart, Mich.
Am. Loom, Harness & Reed Co., Greenville, S. C.
Am. Loose Leaf Mfg. Co., 121 N. Green, Chicago, Ill.
Am. Lubricator Co., mchsts. & fndrs., Summit & Wabash, Detroit, Mich.
Am. Lumber & Cedar Co., 209 Lumber exch., Minneapolis,
Am. Lumber Co., 901 S. Caroline, Baltimore, Md.
Am. Lumber Co., Merryville, La.
Am. Lbr. Co., 30 Church, New York.
Am. Lbr., Duluth, Minn.
Am. Lumber & Export Co., Birmingham, Ala.
Am. Lumber & Mfg. Co., Peoples Bank, Pittsburgh, Pa.
Am. Lumberman, trade publications, 431 S. Dearborn, Chicago, Ill.
Am. Luminous Products Co., paint, powder, cardboard, radium, zinc salts, etc., Huntington Park, Cal.
Am. Luxfer-Prism Co., glass constructions, 1305 S. 55th, Chicago, Ill.
Am. McKenna Process, iron rail & rolling mills, 373 Milwaukee, Wis.
Am. Mach. Co., paper slitting & tagging machy., Newark,
Am. Machine Co., Newark, Ohio.
Am. Mach. Tool Engng. Wks., 21854 Kenzie, Chicago, Ill.
Am. Mach. & Foundry Co., cigar & cigarette packing, & machy., 5520 2d av, Brooklyn, N. Y.
Am. Mach. & Mfg. Co., cottonseed hullers, Atlanta, Ga.
Am. Mach. Works, dlrs., 518-24 4th, Oakland, Cal.
Am. Machy. Co., dlrs., Atlanta, Ga.
Am. Machy. Co., carton sealing machines, 330 N. 12th, delphia, Pa.
Am. Machy. Co., mchsts. & fdrs., Port Huron, Mich.
Am. Machy. Co., steel split pulleys, 103 W. Water, Milw Wis.
Am. Machy. Exchange, machinery dlrs., 217 Centre, New
Am. Machsts., trade publication, 10th av & 36th, New York
Am. Made Stuffed Toy Co., 123 Bleecker, New York.
Am. Magnesia & Covering Co., magnesia pipe coverings mouth Meeting, Pa.
Am. Magnesia Products Co., sanitary flooring, 418 W. 12 Chicago, Ill.
Am. Magnesium Corp., ferro-metals—magnesium, Niagara N. Y.
Am. Mailing Device Corp., 103 Park av, New York.
Am. Maize-Products Co., oils, 135 William, New York.
Am. Malleable Casting Co., Marion, Ohio.
Am. Malleable Co., machsts., Owosso, Mich.
Am. Malleables Co., malleable iron castings, Lancaster,
Am. Malting Co., 120 B'way, New York.
Am. Manganese Bronze Co., bronze castings, 3501 Rhawn, delphia, Pa.
Am. Manganese Mfg. Co., ferro-manganese, Bullitt Bldg., delphia, Pa.
Am. Manganese Steel Co., 332 S. Mich av, Chicago, Ill.
Am. Mangle & Roller Co., laundry machy., Racine, Wis.
Am. Mfg. Co., catalog envelopes & shipping tags, Battle Mich.
Am. Mfg. Co., cordage & twine mfrs., West, Brooklyn, N.
Am. Mfg. Co., filters, Dayton, Ohio.
Am. Mfg. Co., grass catchers, Columbus, Ohio.
Am. Mfg. Co., hdwe-cabinet & saddlery, Chattanooga, Ten

Mfg. Co., sashes, doors & blinds, 2101 Louisiana, New Orleans, La.
Mfg. Co., soda water fountains, Memphis, Tenn.
Mfg. Co., table silverware, Meriden, Conn.
Mfg. Co., waterproofing materials & shingle stains, 114 Plymouth av N., Minneapolis, Minn.
Mfg. Concern, advtg. novelties, Falconer, N. Y.
Marble Mosaic Co., floors, 534 Market, Milwaukee, Wis.
Marine Brass Fdry. Co. 203 Diamond, Brooklyn, N. Y.
Marine Iron Wks., Portland, Ore.
Marine Supplies Co., whol. hdwe., 260 Market, Newark, N.J.
Mason Safety Tread Co., safety stair treads, Lowell, Mass.
Materials Co., sanitary flooring, 101 Park av, New York.
Mattress Co., 5 Wey, Boston, Mass.
Mechanical Toy Co., Dayton, Ohio.
Mercantile Co., fishing poles, Tacoma, Wash.
Metal Bed Co., 42 Clifton, Newark, N. J.
Metal Ceiling Co., 1529 Fulton, Brooklyn, N. Y.
Metal Co., 61 Broadway, New York.
Metal Furniture Co., dental & surgical furn., Indianapolis, Ind.
Metal Fusing & Cutting Co., autogenous welding, 1004 Stunter, Long Island City, N. Y.
Metal Form Co., concrete forms, 343 S. Dearborn, Chicago, Ill.
Metal Hose Co., flexible metallic hose & tubing mfrs., Waterbury, Conn.
Metal Moulding Co., 145 N. J. R. R. av, Newark, N. J.
Metal Polish Co., W. Somerville, Mass.
Metal Products Co., h'ware specialties, 72 W. Adams, Chicago, Ill.
Metal Shoe Co., Racine, Wis.
Metal Treatment Co., Elizabeth, N. J.
Metal Ware Co., bedstead mfrs., sheet metal stamping, 368 W. Huron, Chicago, Ill.
Metal Weather Strip Co., weather strips, Grand Rapids, Mich.
Metal Works, metal stamping & dies, 1 Stenton & Rockland, Philadelphia, Pa.
Metallic Packing Co., Lexington, Ky.
Meter Co., fndrs., 3112 N. 17th, Philadelphia, Pa.
Mica Co., Newton Lower Falls, Mass., and 52 B'way, New York.
Mica Products Co., 32 N. Dearborn, Chicago, Ill.
Milk Co., canned, 324 W. Kinzie, Chicago, Ill.
Mill Co., lumber, Aberdeen, Wash.
Mills Co., cordage & twine, Atlanta, Ga.
Mills Co., woolen carriage cloth, Rockville, Conn.
Mills Co., cotton & elastic webbing, Waterbury, Conn.
Milling Mach. Co., Cincinnati, O.
Mine Door Co., Canton, Ohio.
Mineral Co., talc mfrs., soapstone, Johnson, Vt.
Mining Tool Co., Ottumwa, Ia.
Mirror Co., 160 Reed, Milwaukee, Wis.
Mirror Wks., Butler, Pa.
Moistening Co., mine sprayers, humidifying apparatus, 120 Franklin, Boston, Mass.
Mold Co., 235 Cherry, Philadelphia, Pa.
Moulding Machine Co., Terre Haute, Ind.
Monolith Co., sanitary flooring, 97 Wisconsin, Milwaukee, Wis.
Morocco Case Co., 217 E. 38th, New York.
Mosaic & Tile Co., Louisville, Ky.
Motor Equipment Co., mchsts. & fdrs., 181 Mass av, Boston, Mass.
Motor Truck Co., Newark, Ohio.
Motor Vehicle Co., Lafayette, Ind.
Motorist, trade publication, 501 5th av, New York.
Motors Corp., Plainfield, N. J.
Multiple Fabric Co., 183 Hartford av, Providence, R. I.
Multigraph Sales Co., multigraphs, etc., 1832 E. 40th, Cleveland, Ohio.
Name Plate Co., 352 Atlantic av, Boston, Mass.
National Co., children's vehicles, doll & baby carriages, invalid chairs, velocipedes & coaster wagons, etc., Toledo, Ohio.
Net & Twine Co., 575 Atlantic av, Boston, Mass.
Nickel Wks., nickel wks., 1415 Dayton, Cricago, Ill.
Nickeloid Co., Peru, Ill.
Nitrogen Products Co., Seattle, Wash.
Novelty Paper Co., Saugerties, N. Y.
Novelty Wks., dowels & wood handles, Wellsville, N. Y.
Numbering Mach. Co., 224 Shepherd, Brooklyn, N. Y.
Nut & Bolt Fastener Co., lock washers, Ontario & Doerr Pittsburgh, Pa.
Oak Leather Co., Kenner, Dalton & McLean avs, Cincinnati, Ohio.
Ocarina & Toy Co., Inc., 69 Bruen, Newark, N. J.
Oil Co., lubrg. oils, American Bldg., Baltimore, Md.
Oil Corp., lubrg., Jackson, Mich.
Oil Co., 180 S. Water, Providence, R. I.
Oil & Disinfectant Co., 196 Water, New York.
Oil & Lubricant Wks., Rochester, N. Y.
Oil & Paint Co., 284 Perry, San Francisco, Cal.
Oil Products Co., lubricants, 1426-30 Seneca, Buffalo, N. Y.
Oil Products Co., hydrogenated oils, Logansport, Ind.
Oil Pump & Tank Co., Findley & Dalton, Cincinnati, Ohio
Am. Oil Refining Co., boiler compounds, 2066 Milwaukee, Chicago, Ill., and 325 Walton av, New York.
Am. Oil & Supply Co., 238 Wilson av, Newark, N. J.
Am. Oil & Tank Line Co., petroleum, St. Paul, Minn.
Am. Oil Treating & Hardening Co., lubrg. oils, Ivorydale, Cincinnati, Ohio.
Am. Oil Wks. (Ltd.), Titusville, Pa.
Am. Oleite Soles Co., belts, harness, shoe dressing & rust preventives, 1404 N. Park Pl, St. Louis, Mo.
Am. Olive Co., canned, Los Angeles, Cal.
Am. Optical Co., goggles & eye protectors, lenses & watch crystals, Southbridge, Mass.
Am. Ore Reclamation Co., 71 B'way, New York.
Am. Oven & Mach. Co., 111 W. Washington, Chicago, Ill.
Am. Oxhydric Co., oxygen gas, ft. 32d, Milwaukee, Wis.
Am. Oxygen Assn., 134 Eliot, Boston, Mass.
Am. Oxygen Co., gas, Perry Bldg., Philadelphia, Pa.
Am. Oxygen Co., oxy-acet. welding app., 2d & Elm, Cincinnati, O.
Am. Packing Co., canned goods, Everett, Wash.
Am. Pad & Ink Co., 22d & Glenwood av, Philadelphia, Pa.
Am. Pad & Paper Co., Holyoke, Mass.
Am. Pad & Textile Co., Greenfield, Ohio.
Am. Paint & Glass Co., 131 Fort, W., Detroit, Mich.
American Paint Journal, trade publication, American Paint Journal Co., Pontiac bldg, St. Louis, Mo.
American Paint & Oil Dealer, trade publication, American Paint Journal Co., Pontiac bldg, St. Louis, Mo.
Am. Paint Works, 428 Josephine, New Orleans, La.
Am. Paper Goods Co., Kensington, Conn.
Am. Paper Products Co., East Liverpool, Ohio.
Am. Paper Products Co., 2d & Bremen av, St. Louis, Mo.
Am. Paper Stock Co., scrap rubber, 297 Orleans, Detroit, Mich.
Am. Paper Tube Co., Woonsocket, R. I.
Am. Papeterie Co., envelopes, writing paper, etc., Albany, N. Y.
Am. Parquetry Floor Co., 802 Bailey Bl., Philadelphia, Pa.
Am. Pattern Co., 3336 Market, Philadelphia, Pa.
Am. Pattern Mfg. Co., Keystone, Youngstown, Ohio.
Am. Pattern Wks., Dubois & Clay, Detroit, Mich.
Am. Paving & Constr. Co., Marshall Bldg., Cleveland, Ohio.
Am. Paving & Contracting Co., Montebello av, Baltimore, Md.
Am. Pearl Button Co., Washington, Ia.
Am. Pearl Button Wks., 143 W. 19th, New York.
Am. Pedometer Co., New Haven, Conn.
Am. Perforated Metal Co., Belleville, N. J.
Am. Perforator Co., 621 W. Jackson blvd., Chicago, Ill.
Am. Pharmaceutic Co., acetyl salicylic acid, 819 N. 2nd, Philadelphia, Pa.
Am. Pharmacal Co., tinc. of iodine, soap liniment, etc., 819 N. 2nd, Phila., Pa.
Am. Phonograph Co., talking machs., 322 E. 23rd, New York.
Am. Phonoparts Co., motors, 501 W. 35th, Chicago, Ill.
Am. Phosphorus Co., 3d & Dauphin, Philadelphia, Pa.
Am. Photographic Paper Co., 2304 Washington, Boston, Mass.
Am. Piano Co., 439 5th av, New York.
Am. Pickle & Canning Co., Wiggins, Miss.
Am. Pig Tail Co., St. Marys, Pa.
Am. Pile Driving Co., Everett, Wash.
Am. Pin Co., plbg. supplies, gas & elec. fixture parts, etc., Waterbury, Conn.
Am. Pipe Bending Mach. Co., 39 Pearl, Boston, Mass.
Am. Piston Ring Co., 704 S. 11th, Newark, N. J.
Am. Pitch Co., sealing wax, etc., 414 Water, Cincinnati, Ohio.
Am. Plaster Drill, 717 E. 140th, Brooklyn, N. Y.
Am. Plate Glass Co., Kane, Pa.
Am. Platinum Works, 231 N. J. R. R. av, Newark, N. J.
Am. Player Action Co., 122 Troop av, New York.
Am. Playground Device & Swing Co., Terre Haute, Ind.
Am. Plumbers' Supply Co., Toledo, Ohio.
Am. Plbg. & Steam Supply Co., Tacoma, Wash.
Am. Plumbing Mfg. Co., 164 Atlantic av, Brooklyn, N. Y.
Am. Pneumatic Chuck Co., 9 So. Clinton, Chicago, Ill.
Am. Pneumatic Service Co., 100 Boylston, Boston, Mass.
Am. Portable House Co., Seattle, Wash.
Am. Porcelain Co., East Liverpool, Ohio.
Am. Post Office Equipment Co., 343 S. Dearborn, Chicago, Ill.
Am. Postal Machines Co., 295 Congress, Boston, Mass.
Am. Powder Mills, Board of Trade Bldg., Boston, Mass.
Am. Power Co., fuel economizers, 630 Washington, Boston, Mass.
Am. Perforator Co., 621 Jackson, Chicago, Ill.
Am. Press Brick Co., 6500 Easton av, St. Louis, Mo.
Am. Press Cloth Co., Columbia, S. C.
Am. Pressed Steel Co., floor plates, Commercial Trust Bldg., Philadelphia, Pa.
Am. Pressing Iron Co., 48 E. 8th, New York.
Am. Pressweld Radiator Corp., auto radiators, G. T. R. R. & Euclid, Detroit, Mich.
Am. Printer, trade publication, 231 W. 39th, New York.
Am. Printers' Roller Co., printers' paste, glue, etc., 314 W. Grand av, Chicago, Ill.
Am. Printing Ink Co., 2314 W. Kinzie, Chicago, Ill.
Am. Printing Ink Co., 1127 W. 6th, Cincinnati, Ohio.
Am. Process Co., drying apparatus mfrs., 68 William, New York.
*See adv vindex at end of book.*
Am. Products Sales Co., Grand Central Palace, New York.
Am. Propeller & Mfg. Co., airplane, Covington & Gittings, Baltimore, Md.

Am. Pulley Co., 114 S. Clinton, Chicago, Ill.
Am. Pulverizer Co., 32d & Ridge, E. St. Louis, Ill.
Am. Pumice Co., 111 W. Monroe, Chicago, Ill.
Am. Radiator Co., boilers & radiators, vacuum cleaners, etc., 816 Michigan av, Chicago, Ill.
Am. Radiator Co., 124 Jefferson, Detroit, Mich.
Am. Radiator Co., mchsts. & fndrs., Kansas City, Mo.
Am. Radio & Research Corp., 21 Park Row, New York.
Am. Ry. Appliance Co., gas engines, Oil City, Pa.
Am. Railways Equipment Co., fareboxes, Dayton, Ohio.
Am. Railway Supply Co., 134 Charles, New York.
Am. Rattan & Reed Mfg. Co., 268 Norman av, Brooklyn, N. Y.
Am. Raveller Co., textile machy., Philmont, N. Y.
Am. Reduction Co., fertilizer mfrs., 1942 Forbes, Pittsburgh, Pa.
Am. Redwood Co., Gualala, Cal.
Am. Reflector & Lighting Co., 517 W. Jackson blvd, Chicago, Ill.
Am. Refractories Co., silica magnesite & chrome brick, ores, etc., Union Arcade bldg, Pittsburgh, Pa.
Am. Ribbon & Carbon Co., Rochester, N. Y.
Am. Rice Milling Co., Crowley, La.
Am. Ring Co., shade holders, 531 Bank, Waterbury, Conn.
Am. Rivet Co., New Haven, Conn.
Am. Road Mach. Co., stone bins, Commercial Trust pl, Phila., Pa.
Am. Road Machinery Co., Kennett Square, Pa.
Am. Roll Gold Leaf Co., 56 Pine, Providence, R. I.
Am. Roller Bearing Co., Baum & Melwood, Pittsburgh, Pa.
Am. Rolling Mill Co., Middletown, Ohio.
Am. Roofing Co., cornices, 634 Gratiot av, Detroit, Mich.
Am. Rotary Pump Co., mchy., 67 Hampden, Boston, Mass.
Am. Rubber Co., 130 Essex, Boston, Mass.
Am. Rubber Mfg. Co., 356 Market, San Francisco, Cal.
Am. Rubber Reclaiming Co., 406 E. Rittenhouse, Phila., Pa.
Am. Rubber Stone Co., Floyd Knobs, Ind.
Am. Rule Mfg. Co., 127 Humboldt, Brooklyn, N. Y.
Am. Rust Proof Co., paint mfrs., 8 W. 40th, New York.
Am. Rutile Co., ilmenite & oxide concentrates, titanium, 622 F, N. W. Washington, D. C.
Am. Safe Co., Anderson, Ind.
American Safety Lamp & Mine Supply Co., machinists & founders, Scranton, Pa.
Am. Safety Razor Co., 303 Jay, Brooklyn, N. Y.
Am. Sales Book Co. (Ltd.), adding mach. rolls, Elmira, N. Y.
Am. Sales Co., explosives, Godchaux Bldg., New Orleans, La.
Am. Sand & Gravel Co., Chamber of Com. Bldg., Chicago., Ill.
Am. Sand & Gravel Co., Erie, Pa.
Am. Sandstone Brick Machy. Co., Abingdon, Mich.
Am. Sanitary Mfg. Co., mchsts. & fdrs., Abington, Ill.
Am. Sanitary Wks., potteries, Washington, N. J.
Am. Sash & Door Co., Kansas City, Mo.
**AM. SAW & MFG. CO.,** hack saw blades & metal band saws. 69 Boylston, Springfield, Mass.
*See adv index at end of book.*
Am. Saw & Tool Wks., 2431 W. 14th, Chicago, Ill.
Am. Saw Mill Machy. Co., Hackettstown, N. J.
Am. Scale Co., Kansas City, Mo.
Am. Scientific Instrument Co., 50 John, New York.
Am. Scrap Iron Co., Akron, Ohio.
Am. Screen Co., Brookline, Mass.
Am. Screen Mfg. Co., Kansas City, Mo.
Am. Screw Co., wood & machine screws, stove & tire bolt mfrs., etc., 21 Stevens, Providence, R. I.
Am. Screw Propeller Co., wheels, Penfield Bldg., Philadelphia, Pa.
Am. Sea Green Slate Co., roofing slate mfrs., Granville, N. Y.
Am. Seal Co., Bridgeport, Conn.
Am. Seating Co., fndrs., furniture, etc., 14 E. Jackson blvd, Chicago, Ill.
Am. Seeding Machine Co., Springfield, Ohio.
Am. Separator Co., Bainbridge, N. Y.
Am. Sewer Pipe Co., Akron, Ohio.
Am. Sewer & Drain Constr. Co., 2816 N. Washtenaw av, Chicago, Ill.
Am. Shade Mach. Co., 19 Milk, Boston, Mass.
Am. Shade Roller Co., 151 33d, Brooklyn, N. Y.
Am. Shading Mach. Co., 693 Main, Buffalo, N. Y.
Am. Sharpening Machine Co., 184 W. Madison, Chicago, Ill.
Am. Shearer Mfg. Co., machst., Nashua, N. H.
Am. Sheet Metal Lath Co., see Fireproof Products Co. (successors).
Am. Sheet Metal Stamping Corp., Lehigh av & Mutter, Phila., Pa.
Am. Sheet Metal Works, 3427 S. Carrollton, New Orleans, La.
Am. Sheet & Tin Plate Co., sheet steel mfrs., Frick bldg, Pittsburgh, Pa.
American Ship Building Co., ft. of W. 54th, Cleveland, Ohio.
Am. Shipbuilding Co., 11 B'way, New York.
Am. Shoe Polish Co., 20th & Troy, Chicago, Ill.
Am. Shovel & Stamping Co., Lorain, Ohio.
Am. Show Case Co., 289 Greenpoint av, Brooklyn, N. Y.
Am. Shuttle Co., Exchange Bldg., Boston, Mass.
Am. Sign Co., electric illuminated, Kalamazoo, Mich.
Am. Sign Wks., 109 N. Dearborn, Chicago, Ill.
Am. Silk Journal, 373 4th av, New York.
Am. Silk Label Mfr. Co., 116 W. 32nd, New York.
Am. Silk Mfg. Co., chamois importers, mach. wipers, 4341 Orchard, Philadelphia, Pa.
Am. Silver Co., Bristol, Conn.
Am. Skate & Mgr. Co., Reading, Pa.
Am. Skein & Fdry. Co., Racine, Wis.
Am. Slag Co., Land Title Bldg., Philadelphia, Pa.
Am. Slate Co., Easton, Pa.
Am. Slate Co., plumbers, 17 Southampton, Boston, Mass.
Am. Slate Wks., Slatington, Pa.
Am. Slicing Machine Co., meat, 209 S. State, Chicago, Ill.
Am. Slide Co., Columbus, Ohio.
Am. Smelters Securities Co., ammunition, babbitt metal, le products & shot, 201 1st, San Francisco, Cal.
Am. Smelting & Refining Co., lead seals, metals, etc., Cincinna Ohio.
Am. Smelting & Refining Co., 120 B'way, New York.
Am. Smokeless Powder Co., 131 State, Boston, Mass.
Am. Soap Co., 1986 Plum, Cincinnati, Ohio.
Am. Soap & Washoline Co., Cohoes, N. Y.
Am. Soapstone Finish Co., Chester Depot, Vt.
Am. Soda Fountain Co., 282 Congress, Boston, Mass.
Am. Soldier Co., toys, games & nov., Myrtle av & De Boo Glendale, N. Y.
Am. Specialty Co., hwde. mfrs., Bridgeport, Conn.
Am. Spec. Co., advtg., 9 Vose, Rochester, N. Y.
Am. Specialty Mfg. Co., dressing rope, Iron & Erie Ry., Cle land, Ohio.
Am. Specialty Co., drill sockets, 319 W. Ohio, Chicago, Ill.
Am. Specialty Stamping Co., kitchen enam. ware mfrs., Joh town, Pa.
Am. Spectacle Co., 1328 B'way, New York.
Am. Speed Indicator Co., New London, Conn.
Am. Spelter Corp., 61 B'way, New York.
Am. Spike Co., Inc., 55 Liberty, New York.
Am. Spinning Co., cotton sheetings, Greenville, S. C.
Am. Spiral Pipe Works, lap welded pipe, forged steel pipe flan corrugated furnaces, 14th & S. Cicero av, Chicago, Ill.
*See adv index at end of book.*
Am. Spiral Spring & Mfg. Co., 56th & A. V. R. R., Pittsbu Pa.
Am. Spirits Mfg. Co., distrs., 27 William, New York.
Am. Sports Publishing Co., 45 Rose, New York.
Am. Spring Needle Wks., New Britain, Conn.
Am. Spray Co., air cooling & purifying apparatus, 26 C landt, New York.
Am. Stainless Steel Co., Oliver bldg., Pittsburgh, Pa.
Am. Stamping & Enamelling Co., Bellaire, O.
Am. Stamp Mfg. Co., stencils, presses, etc., 85 John, New Y
Am. Stamping & Manufacturing Co., metal stampings, 421 I Bldg., Pittsburgh, Pa.
Am. Stamping Co., oil cans, Battle Creek, Mich.
Am. Stamping Co., toys, Elizabeth, N. J.
Am. Standard Shipfittings Corp., 115 B'way, New York.
*See adv. index at end of book.*
Am. Stationer, trade publications, 431 S. Dearborn, Chicago
Am. Stave & Cooperage Co., Chelsea, Mass.
Am. Steam Conveyor Corp., ash conveyors, 326 W. Mad Chicago, Ill.
Am. Steam Gauge & Valve Mfg. Co., 208 Camden, Boston, M
Am. Steam Packing Co., 165 High, Boston, Mass.
Am. Steam Pump Co., Battle Creek, Mich.
Am. Steel Chase Co., 38 Park Row, New York.
Am. Steel Co., iron & steel, Park Bldg., Pittsburgh, Pa.
Am. Steel & Copper Plate Co., 101 Fairmont av, Jersey City,
Am. Steel Dredge Co., Fort Wayne, Ind.
Am. Steel Export Co., Woolworth bldg, New York.
Am. Steel Fdrys. Co., steel castings, 30 Church, New Yo 332 S. Michigan av, Chicago, Ill.
Am. Steel Frame & Band Iron Co., 300 Water, New York.
Am. Steel Grave Vault Co., Galion, Ohio.
Am. Steel Package Co., machst., Defiance, Ohio.
Am. Steel Pipe & Tank Co., 608 S. Main, Los Angeles, Cal.
Am. Steel Scaffold Co., steel scaffold brackets, 550 Grand Detroit, Mich.
Am. Steel Scraper Co., road scrapers, Sidney, Ohio.
Am. Steel Spring Co., 2341 Keystone av, Chicago, Ill.
Am. Steel Tube Co., Toledo, Ohio.
Am. Steel & Tube Co., pipe & fittings, Lorain, Ohio.
Am. Steel Window Co., 334 S. Michigan av, Chicago, Ill.
Am. Steel & Wire Co., 208 S. La Salle, Chicago, Ill. *See index at end of book.*
Am. Steel Wool Mfg. Co., 451 Greenwich, New York.
Am Sterilizer Co., sterilizing & disinfecting apparatus, Eri
Am. Rubbing Stone Co., Floyds Knobs, Ind.
Am. Stone Ballast Co., Prov. Bank Bldg., Cincinnati, Ohio.
Am. Stone Trade, trade publications, 537 S. Dearborn, Chi Ill.
Am. Stopper Co., machy., 19 Verona, Brooklyn, N Y.
Am. Storage Battery Co., Albro, Boston, Mass.
Am. Stove Co., water heaters, etc., St. Louis, Mo.
Am. Stove & Range Co., Keokuk, Ia.
Am. Straw Board Co., Akron, Ohio.
Am. Straw Board Co., wrapping paper, etc., Times Bldg., York.
Am. Sugar Refining Co., 117 Wall, New York.
Am. Suit Case Mfg. Co., 17 Walker, New York.
Am. Supply & Machinery Co., machy. dlrs., Omaha, Neb.
Am. Supply Co., mill & facty. supplies, 135 Washington, dence, R. I.
Am. Surety Co., indemnity bond insurance, 100 B'way, New
Am. Swiss File & Tool Co., machs., 24 John, New York.

nthetic Color Co., Stamford, Conn.
nthite Co., impregnating compounds, 30 Church, New rk.
rup & Preserving Co., canners, Terminal Trks. & E. Union, Louis, Mo.
stem of Reinforcing, concrete reinforcing matls., 10 S. Salle, Chicago, Ill.
g Co., 6133 State, Chicago, Ill.
g Co. of N. J. 123 Sussex av. Newark, N. J.
nk & Pump Co., gasoline pumps, 404 Golden Gate, San ancisco, Cal.
p Bush Co., 102 Iron, Detroit, Mich.
p & Die Co., taps, dies & screw plates, mfrs., Greenfield, ss. *See adv index at end of book.*
r Products Co., 208 S. La Salle, Chicago, Ill.
legraph Typewriter Co., 251 W. 19th, New York.
nt & Awning Co., 307 Wash. av N, Minneapolis, Minn.
rra Cotta & Ceramic Co., 1808 Prairie av, Chicago, Ill.
xtile Banding Co., Marshall & Hunting Pk, Phila., Pa.
xtile Dyestuffs Corp., sulphur colors, Belleville, N. J.
xtile Soap Co., see Fisk Mfg. Co. (successor),
ermo-Ware Co., 16 Warren, New York.
ermos Bottle Co., Norwich, Conn.
ermometer Co., 3146 Lucas, St. Louis, Mo.
ermophone Co., telephones, 116 Bedford, Boston, Mass.
ermostat Co., heat regulators, 226 Jelliff av, Newark, J.
read Co., 260 W. B'way, New York.
Way Prism Co., sidewalk lights & ventilator mfrs., etc., Porte, Ind.
resherman, trade publication, Madison, Wis.
e & Timber Co., Brunswick, Ga.
n & Terne Plate Co., 34th & Vine, Philadelphia, Pa.
re Fabric Co., Newburyport, Mass.
re & Rubber Co., Akron, Ohio.
ol & Mfg. Co., Urbana, Ohio.
ol & Machine Co., engineers, founders & machinists, sugar trifugals a specialty, 10 High, Boston, Mass.
ol Works Co., lathes, planers, etc., Cincinnati, Ohio.
p Co., Jackson, Mich.
wer & Tank Co., Elgin, Ill.
y Wks., 7 Chatham sq, New York.
ack Barrow Co., Lowell, Mass.
actor Corp., Peoria, Ill.
actor & Fdy. Co., Charles City, Ia.
ading Co., importers, 25 Broad, New York.
nsformer Co., 178 Emmet, Newark, N. J.
ipoli Co., Seneca, Mo.
i-State Paper Box Co., Nashville, Tenn.
ona Corp., chloride potassium, Los Angeles, Cal.
unk & Bag Co., 109 Federal, Pittsburgh, Pa.
unk & Case Co., 29 Wells, Chicago, Ill.
unk Co., 1039 Central av, Cincinnati, Ohio.
he Bending Co., New Haven, Conn.
pe Co., steel Tubing, 3703 S. Rockwell, Chicago, Ill.
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CAN TUBE & PIPE BENDING CO. (THE), Cuyahoga Iahoning ays, Cleveland, Ohio.
*adv index at end of book.*
be & Stamping Co., hot & cold rolled strip steel & mpings, Bridgeport, Conn.
be Wks., 10 Oliver, Boston, Mass.
g Boat Co., Everett, Wash.
rist Drill Co., forged high speed twist drills, Detroit, h.
pe Fdrs. Co., type cases, 200 William, New York, & Com nipaw av, Jersey City, N. J.
cuum Cleaning Co., 17 Wadsworth, Buffalo, N. Y.
lve Co., Coxsackie, N. Y.
lve & Meter Co., Cincinnati, Ohio.
lve & Tank Co., machsts., Indianapolis, Ind.
nadium Corp., see Vanadium Corp. of America. (suc- sor).
rnish Co., 1140 N. Branch, Chicago, Ill.
rnish Wks., 425 Greenpoint av, Brooklyn, N. Y.
vet Co., Stonington, Conn.
neer Column Co., 913 Grand, Brooklyn, N. Y.
neer Co., Hoboken, N. J.
cose Co., artificial silk, Marcus Hook, Pa.
rified Conduit Co., B'way & 23d, New York.
canized Fibre Co., 504 Equitable Bldg., Wilmington, Del
gon Co., 8th & Sycamore, Cincinnati, Ohio.
ll Bed Co., 1339 W. 21st, Chicago, Ill.
ll Pocket Mfg. Co., 1021 Main, Buffalo, N. Y.
rehouse Co., Wichita, Kans.
rming & Ventg. Co., dry earth closets, Elmira, N. Y., & 7 Summit, Toledo, O.
rp Drawing Machine Co., tex. machy. supplies, etc., 95 k, Boston, Mass.
tch Case Co., 15 Maiden la, New York.
tchman's Clock Co., 150 Nassau, New York.
tchman's Time Detector Co., 3403 Perkins av, Cleveland, o.
ter Motor Co., Columbus, Ohio.
ter Softener Co., water filters, 10th & Chestnut, Phila.,
ter Supply Co., paper dishes, plates, spoons, 251 Cause-
way, Boston, Mass.
Am. Wax Co., 10 High, Boston, Mass.
Am. Welding Co., boilers, cylinders, kettles, tanks, etc., Carbondale, Pa.
Am. Welding & Mfg. Co., Warren, O.
Am. Well Prospecting Co., mill & factory supp., Los Angeles, Cal., & Corsicana, Tex.
Am. Well Works, well drilling machy., pumps, oil & gas well supplies, etc., Aurora, Ill.
Am. Whalebone Co., 920 B'way, New York.
Am. Whip Co., Westfield, Mass.
Am. Window Glass Co., Farmers' Bank Bldg., Pittsburgh, Pa.
Am. Wire Fabrics Co., 208 S. La Salle, Chicago, Ill.
Am. Wire Fence Co., 10 S. La Salle, Chicago, Ill.
Am. Wood Board Co., Schuylerville, N. Y.
Am. Wood Carving Co., 2341 Greenview av, Chicago, Ill.
Am. Wood Pipe Co., 302 McDougal, Brooklyn, N. Y.
Am. Wood Pipe Co., Tacoma, Wash.
Am. Wood Preserving Co., 1351 N. Branch, Chicago, Ill.
Am. Wood Rim Co., Onaway, Mich.
Am. Woodwork Mfg. Co., plumbers, Evansville, Ind.
Am. Woodworking Co., 19 Warren, New York.
Am. Wood Working Co., 4345 Wabansia av, Chicago, Ill.
Am. Woodworking Machy. Co., dado & panel raising machs., Rochester, N. Y.
Am. Wool & Cotton Reporter, trade journal, 520 Atlantic av Boston, Mass.
Am. Woolen Co., woolen blankets, 245 Slate, Boston, Mass.
Am. Wrecking & Salvage Co. (scrap iron), 732 Harrison, Chicago, Ill.
Am. Wringer Co., 99 Chambers, New York.
Am. Writing Mach. Co., 339 B'way, New York.
Am. Writing Paper Co., specialties of all kinds, Holyoke, Mass.
Am. Wrought Anvil Co., 298 Union av, Brooklyn, N. Y.
Am. Zinc & Chemical Co., 61 Broadway, New York.
Am. Zinc, Lead & Smelting Co., 120 B'way, New York, & 55 Congress, Boston, Mass.
Am. Zinc Products Co., Greencastle, Ind.
Americolite Co., lighting fixtures, 101 Park av, New York.
Americus Construction Co., Americus, Ga.
Americus Oil Co., Americus, Ga.
Amerlin Co., flax & tow, Yale, Mich.
Amerman, M. T., cornices & skylights, Onarga, Ill.
Amerman & Patterson, carbolic acid, etc., 21 State, New York.
Ames, A. T., Mfg. Co., machinists, Niles, Cal.
AMES, B. C., CO., bench lathes, drilling, milling & filing machines, dial gauges, etc., North Station, Waltham, Mass. *See adv index at end of book.*
Ames Bag Machine Co., mchsts. & fndrs., 5606 Euclid av, Cleveland, Ohio.
Ames Bending Co., Celina, Ohio.
Ames Body Corp., neck yokes, shafts, singletrees, etc., Owensboro, Ky.
Ames, Bonner Co., brushes, Toledo, Ohio.
Ames Bros., flour, Hutchinson, Minn.
Ames Canning Co., Ames, Ia.
Ames-Dean Carriage Co., wagons, Jackson, Mich.
Ames, F. A., Co., auto. wood bodies, Owensboro, Ky.
Ames & Filstead Co., typewriter parts, 607 S. Dearborn, Chicago, Ill.
Ames & Ginty, cornices & skylights, Hereford, Boston, Mass.
Ames-Harris-Neville Co., ore bags, bags & bagging, Potrero & Alameda, San Francisco, Cal., and Tents, Portland, Ore.
Ames Iron Works, engines & boilers, Oswego, N. Y.
Ames, J. C., Lbr. Co., masons' & bldrs.' matls., Streator, Ill.
Ames, J. K., lumber mfrs., Mexico, N. Y.
Ames, Merritt, Chemical Wks., Glens Falls, N. Y.
Ames Mill, flour, Northfield, Minn.
Ames Motor Car Co., Owensboro, Ky.
Ames Plow Co., Quincy Hall, Boston, Mass.
Ames Shipbuilding & Dry Dock Co., Seattle, Wash.
Ames Shovel & Tool Co., Ames Bldg., Boston, Mass.
Ames Sword Co., polishing belts, key chains, rifles, swords, etc., Chicopee, Mass.
Ames Van Arch Mfg. Co., children's vehicles & toys, Syracuse, N. Y.
Ames, W., & Co., bolts, nuts, spikes, Jersey City, N. J. *See adv. index at end of book.*
Ames, Wm. O., contractor, Ellensburg, Wash.
Amesbury Brass & Foundry Co., Amesbury, Mass.
Amesbury Top Co., Amesbury, Mass.
Amesbury, Wm. H., contractor, Wilkes-Barre, Pa.
Ameudt Milling Co., flour, Monroe, Mich.
Amherst Cut Stone Co., Amherst, Ohio.
Amherst Mfg. Co., cotton thread, Amherst, Mass.
Amidon, Frank, l'br., Richmond, N. H.
Amidon, G. F., l'br., West Chesterfield, N. H.
Amies Road Co., compounds, Easton, Pa.
Ammann & Co., brick, Decatur, Ill.
Ammann Mfg. & Const. Co., 155 Av D, New York.
Ammidon & Co., tin plate, metals, etc., 31 S. Frederick, Baltimore, Md.
Amole Products Co., soap, Pontiac Bldg., St. Louis, Mo.
Amos, Chas., & Co., steel struct. wk., 640 Hart av, Detroit, Mich.
Amoskeag Mfg. Co., tickings & denims, Manchester, N. H.
Amoskeag Paper Mill Co., Manchester, N. H.
Amphion Piano Player Co., pneumatic piano actions, Syracuse, N. Y.

Ampt, Chas. F., Co., shoe blacking, 112 E. Water, Cincinnati, O.
Amrein, Wm. R., contractor, 919 N. Fulton, Baltimore, Md.
Amron Mfg. Co., elec. portables, 506 S. Wells, Chicago, Ill.
Ams, Max, Inc., meat packers, 372 Greenwich, New York.
**AMS, MAX, MACHINE CO**, can mnkiag & sheet metal working machinery & power presses, mfrs., 101 Park av, New York.
Amsel Constr. Co., Inc., 927 B'way, Brooklyn, N. Y.
Amsler Blue Print Co., architects' & engineers' supplies, 30 Church, New York.
Amsler, C. (Est. of), meal, Hempstead, Tex.
Amsler, Jacob H., architect, 1616 Crosby av, New York.
Amsler, W. H., contractor, Franklin, Pa.
Amsler-Morton Co., combustion engn'g, Farmers B'k bldg, Pittsburgh, Pa.
Amsterdam Broom Co., Amsterdam, N. Y.
Amsterdam Bldg. Co., 140 W. 42d, New York.
Amsterdam Canning Co., Amsterdam, Mo.
Amsterdam Drop Forging Co., Amsterdam, N. Y.
Amusement Supply Co., moving picture machs., 5 S. Wabash av, Chicago, Ill.
Amy, W. S., cornices & skylights, Council Bluffs, Ia.
Anacoco Lbr. Co., Grabow, La.
Anaconda Copper Mining Co., coal mine, Anaconda & St. Regis, Mont.
**Anacortes Fisheries Co., canned goods, Seattle, Wash.**
Anacortes Glass Co., fruit jars, Anacortes, Wash.
Anacortes Lumber & Box Co., Anacortes, Wash.
Anadarko Milling Co., flour, Anadarko, Okla.
Analomink Paper Co., North Water Gap, Pa.
Ancarrow, Newton, E., contractor, Richmond, Va.
Ancho Brick Co., fire clay, hollow tile, etc., Ancho, N. Mex.
Anchor Blasting Mat & Rope Co., 245 E. 32d, New York.
Anchor Box Co., Western & Section Fairmt., Cincinnati, Ohio.
Anchor Bolt & Nut Co., Poughkeepsie, N. Y.
Anchor Brass & Aluminum Co., Cincinnati, Ohio.
Anchor Bldg. Co., contrs. & mfrs. of artificial stone, Elizabeth, N. J.
Anchor Cap & Closure Corp., 81 Prospect, Brooklyn, N. Y.
Anchor Color & Gum Works, sulphonated oils, textile mill soap, Dighton, Mass.
Anchor Concrete Const. Co., Evansville, Ind.
Anchor Concrete Stone Co., Rock Rapids, Ia.
Anchor Core Economy Soap Co., 180 No. Dearborn, Chicago, Ill.
Anchor Corrugating Const. Co., port. fireproof garages, 140 Washington, New York.
Anchor Duck Mills, bags & bagging, Rome, Ga.
Anchor Electric Co., electrodes, 557 W. Jackson, Chicago, Ill.
Anchor Knitting Mills, bathing suit mfrs., Cohoes, N. Y.
Anchor Milling Co., flour, Galveston, Tex.
Anchor Oil & Chemical Co., Cleveland, Ohio.
Anchor Packing Co., Lafayette Bldg., Philadelphia, Pa.
**ANCHOR POST IRON WKS.**, ornamental iron, **167 Broadway,** New York. *See adv index at end of book.*
Anchor Pottery, Trenton, N. J.
Anchor Refining Co., lubricating oils & greases, 82 Woodroad, Jersey City, N. J.
Anchor Sanitary Co., plumbers' supplies, jobbers, 123 3rd av, Pittsburgh, Pa.
Anchor Saw Mills Co., handles, oars, handle-blanks & golf shafts, 253 B'way, New York.
Anchor Saw Mills Co., golf heads & shafts, dowels, boat oars, wood handles, etc., Memphis, Tenn.
Anchor Spring & Bedding Co., Nashville, Tenn.
Anchor Stone Co., 2937 Lyndale S., Minneapolis, Minn.
Anchor Stove & Range Co., New Albany, Ind.
Anchor Supply Co., machsts. contrs., tents, etc., Evansville, Ind.
Anchor Top & Body Co., auto bodies, C. H. & D. Ry., nr Gest, Cincinnati, O.
Anchor Webbing Co., cotton sleeving & webbing, Pawtucket, R. I.
**Ancram Paper Mills, 150 W. 22nd, New York.**
Andahl, John, lumber, South Bend, Wash.
Andalusia Fertilizer Co., Andalusia, Ala.
Anderes, John, & Son, contractors, Wausau, Wis.
Anders Constr. Co., Rockefeller Bldg., Cleveland, Ohio.
Anders, Geo. E., brick, 1886 Fairmount av, Fairmt., Cincinnati, Ohio.
Anders & Snyder, contractors, Heed Bldg., Philadelphia, Pa.
Anderson, D. Wiley, architect, 922 E. Main, Richmond, Va.
Andersen, John, contractor, Kewanee, Ill.
Anderson Spec. Co., wood fillers, extension planks, 6 E. Lake, Chicago, Ill.
Anderson & Co., Franklin bldg, Philadelphia, Pa.
Anderson, A., granite producer, South Ryegate, Vt.
Anderson, A. & E., Co., contractors, 19 La Salle, Chicago, Ill.
Anderson, A. F., archl. iron, 5844 Loomis, Chicago, Ill.
Anderson, A. H., brass castings, etc., 1213 Fulton, Chicago, Ill.
Anderson, A. J., & Co., contrs., Louisville, Ky.
Anderson, A. M., Co., 67 Algonquin, Providence, R. I.
Anderson, A. R., & Co., shoetrees, Arlington, N. J.
Anderson Bros., carriages, Colon, Mich.
Anderson, Aaron, contractor, Rock Island, Ill.
Anderson, Albert, contr., La Grange, Ill.
Anderson, Albert, contractor, Plymouth Bldg., Minneap., Minn.
Anderson, Albert & J. M., Mfg. Co., mfrs. time switches, plugs & receptacles, trolley line material, electric switches & circuit breakers, 289 A, Boston, Mass.
Anderson, Andrew G., stone, 5838 Justine, Chicago, Ill.
Anderson, Aug. E., contractor, Prudential Bldg., Buffalo,
Anderson, Axel, stone producer, Memphis, Tenn.
Anderson & Belcher, fertilizer, Starrsville, Ga.
Anderson Box & Basket Co., Henderson, Ky.
Anderson Bros., carriages, Colon, Mich.
Anderson Bros., contractors, Albert Lea, Minn.
Anderson Bros., fndrs, 1388 Fulton, Chicago, Ill.
Anderson Bros., machsts., Jamestown, N. Y.
Anderson Bros. Canning Co., Oskaloosa, Ia.
Anderson Bros. Co., contractors, Council Bluffs, Ia.
Anderson Bros. Co., cornices & skylights, 394 Grove, City, N. J.
Anderson Bros. & Johnson Co., granite, Wausau, Wis.
Anderson Bros. Mfg. Co., balancing tools & pneumatic machy, Rockford, Ill.
Anderson, C. F., & Co., machsts., 710 S. Clark, Chicago, Ill
Anderson, C. J., architect, Ironwood, Mich.
Anderson, C. J., & Co., controllers, 212 W. Austin, Chicag
Anderson, Carl, Co., machsts., 867 Larrabee, Chicago, Ill.
Anderson Carriage Co., Columbus, Ohio.
Anderson Carriage Mfg. Co., Anderson, Ind.
Anderson, Chas., hod elev., 983 Pacific, Brooklyn, N. Y.
Anderson, Chas. B., fndrs., 109 S. Clinton, Chicago, Ill.
Anderson, Chas. L., Machy Co., 2256 W. Walnut, Chicago
Anderson, Chas. M., architect, 324 N. Charles, Baltimore,
Anderson, Chas. M., machst., 1831 Blake, Denver, Colo.
Anderson Chemical Co., Wallington, N. J.
Anderson & Christiansen, carriages, Lincoln, Neb.
Anderson, Clais, architect, Stamford, Conn.
Anderson Co., agricultural implements, 2324 University Paul, Minn.
Anderson & Co., raincoats & mackintoshes, Trenton, N. J
Anderson Computing Scale Co., Anderson, Ind.
Anderson Cotton Mills, sheetings, Anderson, S. C.
Anderson Coupling & Fire Supply Co., fire alarms, hose & carts, Kansas City, Kan.
Anderson-Darragh Co. (Ltd.), mchsts. & fndrs., 3206 Pe Pittsburgh, Pa.
Anderson Die Machine Co., die forming machines, tappi chines, etc., 544 Iranstan av, Bridgeport, Conn
Anderson, Donald G., architect, 28 E. 49th, New York.
Anderson & Dougherty, cornices & skylights, Salinas, Ca
Anderson, E. D., Inc., label machs., etc., 101 Park av York.
Anderson, E. G., lbr., Kane, Pa.
Anderson, E. P., & Co., gum arabic imprs., etc., 99 Joh York.
Anderson, E. W., Constr. Co., Newcastle, Pa.
Anderson Elec. Car Co., stor. battery trucks, Aberle, Mich.
Anderson Elec. Spec. Co., lamp cord adjusters, 154 W Chicago, Ill.
Anderson Engine Co., 4036 N. Rockwell, Chicago, Ill.
Anderson Engineering & Supply Co., range boiler Peekskill, N. Y.
Anderson, Eric J., patterns & models, Hartford, Conn.
Anderson, F. W., & Co., auto. tops & windshields, Phila.
Anderson Fertilizing Co., Anderson, Ind.
Anderson Forge & Mach. Co., crankshafts, Jefferson & Creek, Detroit, Mich.
Anderson Foundry & Machine Works, Anderson, Ind.
Anderson, Frank W., agricultural implements, Portland,
Anderson & Frankel, architects, Lexington, Ky.
Anderson, Fred, Co., contractors, 2810 Bryant av, S., M olis, Minn.
Anderson-Friberg Co., granite, Barre, Vt.
Anderson, G., contractor, Oconomowoc, Wis.
Anderson, G. A., & Co., stone producers, 16th av, S. Minneapolis, Minn.
Anderson, G. A., Manfg. Co., fire dept. supplies mfrs., Russell, Baltimore, Md.
Anderson, G. A., Piano Co., Rockford, Ill.
Anderson, G. L., brass works, Birmingham, Ala.
Anderson Gas Appliance Co., stoves, Anderson, Ind.
Anderson, Geo., architect, 6046 Lawton av, Berkeley, Cal
Anderson, Geo., & Co., machsts., Newark, N. J.
Anderson, Geo. H., & Co., bath room fixtures, 1467 W. Au Chicago, Ill.
Anderson, Geo. P., & Co., mill, facty. & steamfitters' supp Oliver, Boston, Mass.
Anderson, Geo. S., Co., machsts. & fndrs., Jeffersonville,
Anderson & Gow., bldg. contrs., Duluth, Minn.
Anderson, Gus, brooms, Salina, Kans.
Anderson, Gustavus, contractor, Camden, N. J.
Anderson, H. A., architect, Long Beach, Cal.
Anderson, H. J., Co., l'br., Portland, Ore.
Anderson, H. O., & Son., sashes, doors & blinds, Sturgis,
Anderson, Hans, contractor, Racine, Wis.
Anderson, Hamill Constr. Co., Pueblo, Colo.
Anderson Hardware Co., Anderson, S. C.
Anderson Hardware Co., New Bethlehem, Pa.
Anderson, Homer, wire measuring machs., Peekskill, N. Y.
Anderson & Ireland Co., whol. hdwe., 111 Light, Baltimo
Anderson, J. B., & Co., contractors, Richard av, Birmi Ala.

rson, J. F., Lumber Co., Mitchell, S. D.
rson, J. H. & C. P., contractors, Piqua, Ohio.
rson, J. P., & Co., confectioners' mchy., 422 N. 6th, Philadelphia, Pa.
rson, Jas. E., masons' & bldrs.' matls., Woodland, Ill.
rson & Jensen, common brick, Roberts, Ill.
rson, John J., machinist, Cannon Falls, Minn.
rson & Johnson, contractors, 75 Roosevelt av., Jersey City, N. J.
rson & Jones, paper & pulp mill architects, Carthage, N. Y.
rson, Jos., contr., Delaware City, Del.
rson, Julius J., see Anderson & Co. (successor).
rson, K. A., cornices & skylights, Tacoma, Wash.
rson-Kenneth Co., mill & facty. supplies, 33 Atwater, Detroit, Mich.
rson Knife & Bar Co., Anderson, Ind.
rson, L., machinists' tools, 544 W. Lake, Chicago, Ill.
rson Lbr. Corp., Marion, S. C.
rson & Lind Mfg. Co., sash, door & blind mfrs., 2127 Iowa, Chicago, Ill.
rson Lumber Co., Charleston, S. C.
rson Lumber Co., Passaic, N. J.
rson Lumber Co., South Stillwater, Minn.
rson-McCutchon Co., water heaters, Peekskill, N. Y.
rson & McGregor Co., masons' & bldrs.' matls., Bellaire, O.
rson, M., Brick Co., Minneapolis, Minn.
rson Mach. & Fdry. Co., Anderson, S. C.
rson Mach. Wks., drilling & tapping machs., Peekskill, N. Y.
rson Mfg. Co., Elyria, Ohio.
rson Mfg. Co., fuel economizers, 1922 Arch, Philadelphia, Pa.
rson Mfg. Co., lightning rods & ventilators, Des Moines, Ia.
rson Mattress Co., Anderson, Ind.
rson Mattress & Spring Bed Co., Anderson, S. C.
rson & Middleton Lumber Co., Aberdeen, Wash.
rson Motor Co., Rock Hill, S. C.
rson, O. D., masons' & bldrs.' matls., Anderson, S. C.
rson & Osterman, elevators, 131 Washington, Providence, R. I
rson, P. J., lumber, Hardwood, Mich.
rson, Peter, Co., carriages, Lafayette, Ind.
rson Phosphate & Oil Co., Anderson, S. C.
rson, R. C., contractor, Mount Vernon, Ohio.
rson, R. K., machinist, Fort Scott, Kans.
rson, R. M., & Co., building contr., Lyric bldg, Richmond, Va.
rson, Richard, heating contractor, 277 W. 117th, New York.
rson, Richard, stone producer, 3112 Osgood, Chicago, Ill.
rson & Ringrose, contractors, 320 Market, San Francisco, Cal.
rson & Robertson, contrs., Birmingham, Ala.
rson Rolled Gear Co., worm gear rings, Berea Rd. & L. S. & M. S. Ry., Cleveland, Ohio.
rson Rubber Wks., Anderson, Ind.
rson, S. J., flour mills, Burns, Tenn.
rson, Samuel, common brick, Taylorville, Ill.
rson & Slonaker, lbr. mfrs., Del. av & Poplar, Phila., Pa.
rson & Spilman, flour mills, Danville, Ky.
rson Supply Co., eng'ng. & surveying instrs., Seattle, Wash.
rson, T., masons' & bldrs.' matls., Milan, Minn.
rson, T. P., varnish, 304 Madison av, New York.
rson Tack Co., Rockland, Mass.
rson Tool Co., jigs, fixtures, machsts. dies, etc., Elyria, O.
rson-Tully Co., lumber, Memphis, Tenn.
rson, V. D., Co., air & steam traps, steam and oil separators, etc., 1935 W. 96th, Cleveland, Ohio.
*See adv index at end of book.*
rson, Vance, Co., contrs., Fargo, N. D.
rson & Veatch, architects, Evansville, Ind.
rson Vehicle Co., carriages, Fond du Lac, Wis.
rson, W. A., & Co., advtg. nov., 83 Fulton, New York.
rson, W. H., Tool & Supply Co., 184 Brush, Detroit, Mich.
rson, W. J., & Co., sealing machy., tags, tapes, etc., 341 B'way, New York.
rson, W. L., architect, Lakeville, Mass.
rson, W. M., htg. contractor, 600 Schuylkill, Phila., Pa.
rson, Wm. B., Foundry Co., brass castings, 28 S. Clinton, Chicago, Ill.
rson, Wm. C., architect, Brunswick, Ga.
rson & Winbald, contractors, 6235 S. Michigan av, Chicago, Ill.
rson Wrench Co., Portland, Conn.
rson's, John D., Sons, 952 Green av, Brooklyn, N. Y.
rson's, L. G., Sons, masons' & bldrs.' matls., Franklin, Ohio.
rton, E. K., metallic sash bars, 210 Grand, New York.
s, E. B., & Co., match plates, Lancaster, Pa.
er, Adam, cornices, 3028 Highland av, Mt. A., Cincinnati, Ohio.
ae, Julius, & Sons Co., telephones & apparatus, etc., 362 B'way, Milwaukee, Wis.
e, B., contractor, New London, Conn.
en, Karl, machy. dlrs., 50 State, Boston, Mass.
es, Eugene C., Co., cotton waste, 141 Milk, Boston, Mass.
es, Jos., grain cradles, Kelso, Ind.
es Stone & Marble Co., Keefe av & Richards, Milwaukee, Wis.
esen Hardware Co., 724 S. 6th, Minneapolis, Minn.

Andresen-Ivans Co., grab buckets, 80 E. Jackson blvd., Chicago, Ill.
Andresen, Jacob, Co., elec. & gas light fix., 314 S. 4th, Minneapolis, Minn.
Andresen, Theodore, architect, 643 Barry av, Chicago, Ill.
Andrew, C. A., canned goods, Conowingo, Md.
Andrew, David M., Co., contractors, Mt. Vernon av, Baltimore, Md.
Andrew & Harrer, contractors, 1002 Fessenden, Portland, Ore.
Andrew, Jno. Hy., & Co. (Ltd.), steel, 26 Cortlandt, New York.
Andrew, M. L., & Co., machsts., Cincinnati, Ohio.
Andrew Motor Mfg. Co., gas engines, Milwaukee, Wis.
Andrewartha, John, architect, 921½ Congress av, Austin, Tex.
Andrews, A. H., Co., bank, office, store & school fixtures, etc., 107 So. Wabash av, Chicago, Ill.
Andrews Asphalt Paving Co., Hamilton, Ohio.
Andrews, B. B., lbr., Birnamwood, Wis.
Andrews Bros., contractors, B. of L. E. Bldg., Cleveland, Ohio.
Andrews Bros., masons' & bldrs.' matls., Jacksonville, Ill.
Andrews Bldg. Co., 1475 B'way, New York.
Andrews, Chas. M., architect, Bethlehem, Pa.
Andrews Engng. Co., constr. engrs. & steel fabricators, Bessemer bldg, Pittsburgh, Pa.
Andrews Heating Co., htg. systems, steel boilers & tanks, Minneapolis, Minn.
Andrews, Isaac W., & Sons, coffins, etc., So. Woodstock, Me.
Andrews, J. B., & Co., canned goods, Hurlock, Md.
Andrews, J. M., & Sons Co., bldg. contrs., Somerville, Mass.
Andrews, Jacques, & Rantoul, architects, 50 Congress, Boston, Mass.
Andrews, John T., & Co., paper & pulp mills, Penn Yan, N. Y.
Andrews, L. E., & Co., mill & facty. supplies, Gloucester, Mass.
Andrews' Loom Reed Harness Wks., tex. machy., Spartanburg, S. C.
Andrews Lumber Co., New Bethlehem, Pa.
Andrews, M. P., & Co., architects, Petersburg, Va.
Andrews Mfg. Co., hdwe. mfrs., 388 Harmony, Philadelphia, Pa.
Andrews Mfg. Co., lbr., Andrews, N. C.
Andrews, O. B., Co., corrugated paper boxes, cartons, etc., Chattanooga, Tenn.
Andrews & Peck Co., sash, door & blind mfrs., Hartford, Conn.
Andrews, R. P., Paper Co., 727 13th, N. W., Washington, D. C.
Andrews, Robert Co., textile fibre, 115 Franklin, New York.
Andrews, S. P., contractor, Chicago Junction, Ohio.
Andrews Steel Co., Newport, Ky.
Andrews, Thos. G., & Co., laundry tray wastes, 30-32 Wendell, Boston, Mass.
Andrews Tractor Co., 26th & University av, Minneapolis, Minn.
Andrews, W. A., & Son, flour, Necessity, Tex.
Andrews, Wm., Inc., boiler compound, 95 William, New York.
Andrews, Wm. P., Canned Goods Co., Crapo, Md.
Andrews, Wm. R., contractor, 3839 Ellis, Chicago, Ill.
Andrews Wire & Iron Works, Rockford, Ill.
Andreykovicz & Dunk, aniline colors, 58 N. Front, Phila., Pa.
Adrophy Elec. Co., contrs., Derby, Conn.
Androscoggin Fdry. Co., Auburn, Me.
Androscoggin Mills, cotton sheetings, bags, etc., Lewiston, Me.
Androscoggin Pulp Co., 50 State, Boston, Mass.
Androvette & Townsend, varnish, shellac, etc., 235 Water, New York.
Andrus & Bode, contractors, Lewis Bldg., Portland, Ore.
Andrus, Chas. B., & Son, contractors, Hartford, Conn.
Andrus, David, lumber mfrs., Perry, N. Y.
Andrus-Loveland Co., elevator safety devices, Moffat Bldg., Detroit, Mich.
Andry, Paul, architect, 510 Tulane Newcomb, New Orleans, La.
Angel, H. Reeve, & Co., importers & selling agents, 7 Spruce, New York.
Angeles Mattress & Feather Wks., 2218 Main, Los Angeles, Cal.
Angelina County Lbr. Co., Keltys, Tex.
Angell Belt Hook Co., 16 Warren av, Providence, R. I.
Angell, Chas. E., machst., 223 Aborn, Providence, R. I.
Angell Elevator Lock Co., 370 Atlantic av, Boston, Mass.
Angell, George Co., weather strips, Penobscot bldg., Detroit, Mich.
Angell, H. C., & Co., lbr. mfrs., Grand Rapids, Mich.
Angell, H. M., lumber, 49 Westminster, Providence, R. I.
Angell, Harry S., architect, Free Press Bldg., Detroit, Mich.
Angell Nail & Chaplet Co., 2657 E. 79th, Cleveland, Ohio.
Angell & Swift, architects, 87 Weybosset, Providence, R. I.
Angelus Couch & Furniture Mfg. Co., mattresses, Los Angeles, Cal.
Angelus Rubber Co., mill & factory supp., Los Angeles, Cal.
Angelus Sanitary Can Mach. Co., 298 S. Fernando Blvd., Los Angeles, Cal.
Anger Engng. Co., 2525 State, Milwaukee, Wis.
Angers, J. A., & Bro., contractors, lbr., Springfield, Mass.
Angert Iron & Wire Wks., 6028 Grove av, Chicago, Ill.
Angier Mills, wrapping paper, cornices & skylights, etc., Ashland, Mass.
Angier Mechanical Laboratories, wrapping machines, Framingham, Mass.
Angle Hardware Co., Piqua, Ohio.
Angle Mfg. Co., ice cream freezers, 110 W. 40th, New York.

Angle Steel Sled Co., Otsego, Mich.
Angle Steel Stool Co., Otsego, Mich.
**Anglers Co., fish bait, 913 W. Randolph, Chicago, Ill.**
Anglev & Cole, boat oars, Brewer, Me.
Angldile Computing Scale Co., Elkhart, Ind.
Anglo-American Co., elec. lamp flashlights, 634 Smithfield, Pittsburgh, Pa.
Anglo-Am. Mill Co., Owensboro, Ky.
**Anglo-American Varnish Co., 53 Johnston, Newark, N. J.**
Anglo-Saxon Supply Co., Inc. (steel), 290 Pearl, New York.
*See adv index at end of book.*
**Angne Co.,** archt. wood turning, Cincinnati, Ohio.
Angola Brick & Tile Co., Angola, Ind.
**Angola Gas Engine Co., Angola, Ind.**
Angora Knitting Mill, sweaters, Detroit, Mich.
Angora Spec. Co., sweaters, cardigans, etc., 87 34th, Bklyn, N. Y.
**Anguera Lbr. & Tie Co., 111 W. Washington, Chicago, Ill.**
**Angus Engineering Co., 87 Wall, New York.**
Angus, Nelson E., packing box, Amherst, Mass.
Angus, Wm. J., contr., 3127 Shields av, Chicago, Ill.
**Aniline Dyes & Chemicals, Inc., synthetic, indigo, diethylaniline, monochlor-benzol, 134 Cedar, New York.**
Animal Oil Co., belt dressing, Ontario nr. Del. River, Phila., Pa.
Animalite Co., Inc., toys, 228 Jelliff av, Newark, N. J.
Animate Toy Co., 31 E. 17th, New York.
Anis, Albert, architect, Ashland Blk., Chicago, Ill.
**Ankenbauer, B., landscape architect, 5139 Inwalle av, Cincinnati, Ohio.**
Ankeney Linseed Mfg. Co., Flaxseed, Des Moines, Ia.
**Anker-Holth Mfg. Co., mchsts. & fndrs., cream separators, Port Huron, Mich.**
Anketell Lumber & Coal Co., 2530 Gratiot, Detroit, Mich.
**ANKYRA MFG. CO.,** bolt, nut & rivet mfrs., 144 Berkley, Wayne Junct., Philadelphia, Pa. *See adv index at end of book.*
Ann Arbor Carriage Wks., Ann Arbor, Mich.
Ann Arbor Machine Co., Ann Arbor, Mich.
Anna Lumber & Mfg. Co., Anna, Ill.
**Annan, J. P., architect, 1319 Fairfield ave., New Orleans.**
Annear, Wm., mill & facty. supplies, 57 N. 2d, Philadelphia, Pa
Annenberg, J. D., & Co., scrap iron & steel, Aurora, Ill.
Anness, H. W., & Co., flag mfrs., 409 Pearl, New York.
Anness & Potter Fire Clay Co., Woodbridge, N. J.
Annett Box Co., East Jeffrey, N. H.
Annett & Bros., granite, 12 W. 141st, New York.
Annin & Co., flags & pennants, 99 Fulton, New York.
Annino, Jos. S., contractor, Middletown, Conn.
Anniston Cordage Co., sash cords, etc., Anniston, Ala.
**Anniston Fertilizer Co., Anniston, Ala.**
Anniston Foundry Co., Anniston, Ala.
Anniston Hardware Co., Anniston, Ala.
Anniston Mfg. Co., cotton sheetings, Anniston, Ala.
Anniston Steel Co., elec. steel castings, logging & mine cars, forgings, etc., Anniston, Ala.
Annito, Edw. M., architect, 333 4th av, New York.
Anno, W. O., contr., Havana, Ill.
Annville Stone Co., Annville, Pa.
Ankrom, Francis S., architect, Hicks bldg, San Antonio, Texas.
**Ansbacher, A. B., & Co., color mfrs., 527 5th av, New York.**
Ansco Co., photographic supplies, Binghamton, N. Y.
Ansell, Oscar, machst., Springfield, Ill.
Anslinger Sheet Metal Wks. Co., Springfield, Mo.
**Anson, Gilkey & Hurd Co., lumber, shooks, Merrill, Wis.**
Anson Lbr. Co., Timmonsville, S. C.
**Anson Shingle & Lbr. Co., Kansas City, Mo.**
**Ansonia Clock Co., 99 John, New York.**
Ansonia Electrical Co., burglar alarms, electric bells, magnets, push buttons, wires, etc., Ansonia, Conn.
Ansonia Mfg. Co., mchsts. & fndrs., Ansonia, Conn.
Ansonia Mfg. Co., screw machine products, etc., 15 Park Row, New York.
Ansonia Mfg. Co., marine clocks, 71 8th av, New York.
Ansonia Novelty Co., metal nov. & spec., Ansonia, Conn.
Ansonia, O. & C., Co., laces, Ansonia, Conn.
Ansonia Trap Rock Co., stone producers, Ansonia, Conn.
Ansorge, Carl T., architect, 2011 Seminary av, Chicago, Ill.
**Ansted & Burk Co., flour & feed mills, Springfield, Ohio.**
Anstedt, C. Leather Co., 560 Commerce, Milwaukee, Wis.
Anstey, A. D., architect, Bridge Plaza, Long Island City, N. Y.
**Anstice, Josiah, & Co., hardware specialties, 238 N. Water, Rochester, N. Y.**
**Anstine, W. W., & Co., contractors, 1218 Filbert, Philadelphia, Pa.**
Ansul Chemical Co., sulphur dioxide, Marinette, Wis.
**Antakwa Co., paints & waterproofing matls. mfrs., 133 W. Washington, Chicago, Ill.**
Anthe Mach. Works, Covington, Ky.
**Anthe, Phil J., & Co., advtg. novelties, Cincinnati, Ohio.**
Anthoine, Geo. A., steam fitters' supplies, Biddeford, Me
**Anthony, B. W. Co., mill & facty. supplies, Fall River, Mass.**
Anthony Co., forges, furnaces, burners, etc., 9 Jackson av, Long Island City, N. Y.
Anthony, D. S., trunk mfr., Sioux City, Ia.
**Anthony, Frank P., heating contr., 280 Washington, Boston, Mass.**
Anthony, Mark, masons' & bldrs' matls., Streator, Ill.
**Anthony, P. H.,** architect, Waldheim bldg, Kansas City, Mo.

Anthracite Bridge Co., steel struct. wk., Scranton, Pa.
Anthracite Separator Co., Hazleton, Pa.
Anthracite Welding & Mach. Co., Scranton, Pa.
**Anthrol Wood Preserving Co., 12 E. 15th, New York.**
Anti-Borax Compound Co., Ft. Wayne, Ind.
Antic-Dust Chemical Co., sweeping compounds, 1001 Water, Denver, Colo.
**Anti-Hydro Waterproofing Co., 9 Orchard, Newark, N. J.**
Anti-Kalsomine Co., wall finish, Grand Rapids, Mich.
Anti-Stick Co., waterproofing materials, Westerville, Ohio.
Antietam Paper Co., Hagerstown, Md.
Antigo Canning Co., Antigo, Wis.
Antigo Mfg. Co., broom handles, Antigo, Wis.
Antill, Jos., contractor, Houston, Tex.
**Antioch Lumber Co., Antioch, Cal.**
Antiseptol Liquid Soap Co., 564 W. Randolph, Chicago, Ill.
Antoine & Son, machsts., Passaic, N. J.
Anton, Geo. T., & Bro., boxes, lamps, miners', Monongahela
**Antonori & Smith,** contr., Newport News, Va.
Antox Paint Co., Indianapolis, Ind.
**Antozone Chemical Co., soap, etc., 32 Old slip, New York**
**Antrim Iron Co., lbr., Grand Rapids, Mich.**
Antrim Lime Co., Grand Rapids, Mich.
Antrim Lbr. Co., Wright Bldg., St. Louis, Mo.
Antrobus, John H., architect, Montrose, Colo.
Antwerp Naval Stores Co., turpentine, Savannah, Ga.
Anyan, Wm. S., contractor, Greenwich, Conn.
Anylite Electric Regulator Co., Fort Wayne, Ind.
A. O. K. Equipment Co., cover racks, 549 W. Washington, Chicago, Ill.
Any Package Wrapping Co., machines, 42 Spring, Newark,
Apco Asphalt Roofing Co., 47 W. 34th, New York.
**Apco Mfg. Co., automobile accessories, Providence, R. I.**
Apel, Gustav E., htg. contr., 575 4th. av, Brooklyn, N. Y.
**Apelt, Herman, oils, horse hair, 76 Wall, New York.**
Apex Appliance Co., clothes washing machines, 3223 W. Chicago, Ill.
Apex Chemical Co., Inc., sulphonated oils, 61 Park Row, York.
Apex Color Wks., 50 W. B'way, New York.
Apex Elec. Mfg. Co., various pumps, 1410 W. 59th, Chicag
Apex Electrical Mfg. Co., Vacuum Cleaners, 1111 Powe Cleveland, Ohio.
Apex Equipt. Co., steam shovels, etc., 63 Wall, New York
Apex Fish Co., canned, Anacortes, Wash.
Apex Pulverizing Mills, Inc., grinding & pulverizing wks Eagle, Brooklyn, N. Y.
Apffel, Philip, & Co., lenses, 50 John, New York.
Apgar, John A., architect, 246 N. 7th, Newark, N. J.
Apollo Metal Works, La Salle, Ill.
**Apollo Player Piano Co., 518 W. 55th, New York.**
Apollo Steel Co., iron rolling mills, Apollo, Pa.
Apollo Woolen Mills, Apollo, Pa.
Apostilico, Alphonso, contractor, Scranton, Pa.
**Apothecaries Hall Co., chemicals, Waterbury, Conn.**
**Appalachian Corp., canned gds., Tallulah Park, Ga.**
Appalachian Marble Co., Knoxville, Tenn.
Appel, Henry L., Co., contractors, 931 W. North av, Chic
Appelbach, Henry J., architect, 111 W. Monroe, Chicago, Il
Appelber & Neuman, Inc., shoe button mfrs., 23 Green York.
Appenheimer, Jno. L., stone, 75 Appenheimer av, Buffalo.
Appenzeller, W. H., willow ware mfrs., R. R. 3, Greenville,
Apperson Bros. Auto. Co., Kokomo, Ind.
Apple Plumbing & Htg. Co., cornices, West Chester, Pa.
Applebee, B. L., architect, Ossining, N. Y.
Appleby Bros., canned goods, Fayetteville, Ark.
Appleby Bros. & Whittaker Co., plumbers' & steam fitters plies, Harrisburg, Pa.
Appleby, T. H., & Co., horse collars, Syracuse, N. Y.
Applegarth, C. L., Co., canned goods, ft. of Webster, Balt Md.
Applegarth, G. A., architect, Claus Spreckels Bldg., San cisco, Cal.
Applegate Chemical Co., indelible inks, 6322 Ellis av, C Ill.
Applegate, Jos. H., brick, Trenton, N. J.
Appleton, A., architect, 1st Nat'l B'k bldg, San Francisc
Appleton Brass Co., ball cocks, 3 Appleton, Boston, Mass
Appleton Car Mover Co., 547 Eldorado, Appleton, Wis.
Appleton, Chas. J., contractor, Heed Bldg., Philadelphia,
Appleton Coated Paper Co., Appleton, Wis.
Appleton Co., cotton flannels, Lowell, Mass.
Appleton Const. Co., contrs., Appleton, Wis.
Appleton Counter Co., Haverhill, Mass.
Appleton Elec Co., conduit fittings, clamps & hangers, Well & Paulina, Chicago, Ill.
Appleton, F. H., Son, reclaimed rubber, 185 Summer, P Mass.
Appleton Hay Tool Co., Appleton, Wis.
Appleton Machine Co., paper & pulp mill, Appleton, Wis.
Appleton Mfg. Co., agricultural implements, Batavia, Ill.
Appleton Toy & Furniture Co., Appleton, Wis.
Appleton, W. Cornell, architect, Exchange Bldg., Boston,
Appleton Wire Works, Appleton, Wis.
Appleton Wood Products Co., butchers' blocks, Appleton,
**Appleton Woolen Mills, Appleton, Wis.**

eyard. Geo. T., architect, Widdicomb Bldg., Grand Rapids, Mich.
eyard, George T., architect, Muskegon, Mich.
ian Cornice Works, 128 Valencia, San Francisco, Cal.
o Magneto Corp., Kingston, N. Y.
mattox Box Shook Co., Petersburg, Va.
mattox Iron Wks. & Supply Co., Petersburg, Va.
**SAISAL ENGINEERING CORPN.,** 428 Grand av, Milwaukee, Wis., & 53 W. Jackson Blvd, Chicago, Ill.
y Rubber Co., rubber boots, Hudson, Mass.
' Bros. Mfg. Co., carbon paper & typewriter ribbons, 552 V. Harrison, Chicago, Ill.
W. Paper Co., toilet paper, holders & towels, Albany, N. Y.
Elec. Heater Co., Bridgeport, Conn.
iar Co., waterproofing mtlrs., 844 Widener Bl., Philadelphia, Pa.
pura Filter Mfg. Co., St. Louis, Mo.
rt Mfg. Co., furniture polish, Chemical Bldg., St. Louis, Mo.
ic Cream Separator Co., Rochester, N. Y.
l Mfg. Co., dextrine, glue, starch, etc., 100 William, New ork.
n Mills, cotton duck & canvas, Aragon, Ga.
hoe Flour Mills, mill feed & meal, Arapahoe, Neb.
& Co., trunk mfrs., 118 S. 13th, Philadelphia, Pa.
z Car Co., Chillicothe, Ohio.
on & Hansen, contrs., Joliet, Ill.
ter Felling Machine Co., 242 Dover, Boston, Mass.
ast & Bastian Co., meat packers, Allentown, Pa.
ast. S. G., brick, Farmer City, Ill.
o, John, contr., New Haven, Conn.
kle & Co., mchsts. & fndrs., Rushville, Ind.
kle Bros., sugar refineries, 71 Water, New York.
kle-Ryan Co., agricultural machy. dlrs., Toledo, Ohio.
kle & Son, brick, Homer, Ind.
kle & Son, brick, Rays Crossing, Ind.
e Machine Wks., New Milford, Conn.
e Malleable Iron Co., Worcester, Mass.
e Mfg. Co., mfrs. coffee mills, hdwe., toys, molding machines, etc., Freeport, Ill.
e Planing Mill Co., Arcade, N. Y.
e Steam Heating Co., 126 W. Kinzie, Chicago, Ill.
ia Advt. Specialties Co., Inc., Newark, N. J.
ia Canning Works, Arcadia, Ind.
ia Cotton Oil & Mill & Mfg. Co., Arcadia, La.
ia Mill Co., flour, Enterprise, N. C.
ia Mills, cotton sheetings, Spartanburg, S. C.
ia Trailer Corp., Newark, N. J.
Henry C., contr., Forest Park, Ill.
mbault, Albert, granite, Holyoke, Mass.
rd, Richard J., contractor, 60 Murray, Fall River, Mass.
ild, E. L., Co., contractors, 111 W. Washington, Chicago, Ill.
old-Brady Co., steel structural wks., Syracuse, N. Y.
old Brick & Tile Co., Archbold, Ohio.
'aft Wilkinson Co., chemicals, potash, sulphate, ammonia, etc., Atlanta, Ga.
eacon & Sullivan, contractors, 5 E. Concord, Boston, Mass.
' & Allen, architects, Central Savings Bk. Bldg., Baltimore.
d.
' & Baldwin, machy. dlrs., 114 Liberty, New York.
' Blower & Pipe Co., Seattle, Wash.
', C. S., canned goods, Pylesville, Md.
', Chris., contractor, West New Brighton, N. Y.
-Daniels Linseed Co., 2901 S. E., Minneapolis, Minn.
', Geo., brick, Haverstraw, N. Y.
', Geo. F., sewerage disposal plants; tele. & app., 10 E. 3d, New York.
', H. & Co., contractors, 314 S. 10th, Minneapolis, Minn.
Iron Works, steel automobile truck bodies, 2436 W :th pl., Chicago, Ill.
', J. W., & Son, canned goods, Wilna, Md.
', John, canned goods, Magnolia, Md.
Lumber Co., Helena, Ark.
Mfg. Co., dental, barber chairs, etc., Rochester, N. Y.
& Pancoast Co., elec. & gas light fixtures, 507 W. 24th, ew York.
Piano Co., 549 W. 52d, New York.
Rubber Co., Milford, Mass.
Strauss Rubber Co., soles, Framingham, Mass.
Tire & Rubber Co., 711 15th av, N. E., Minneapolis, inn.
, Brant, Coal Co., masons' & bldrs.' matls., Frankfort, Ind
y Co., toys, games & nov., Glen Falls, N. Y.
ald Co., 667 Howard, San Francisco, Cal.
ald, F., Co., boot counters, Haverhill, Mass.
ald Guilford Wheel Co., Guilford, Conn.
ald Mfg. Corp., shoe blacking, Rochester, N. Y.
ald Wheel Co., Lawrence, Mass.
ect (The), trade publication, 245 Mission, San Francisco, Cal.
ects' Card File Co., advtg. nov., 35 Montgomery, San ancisco, Cal.
ects' & Engrs.' Supply Co., 913 Grand av, Kansas City, o.
ectural Contrg. Co., 101 Park av, New York.
ectural Decorating Co., decorations, plastic relief, 1600 Jefferson, Chicago, Ill.

Architectural Iron & Bronze Wks., 425 Potrero av, nr. 17th, San Francisco, Cal.
Architectural Metal Works, 157 E. 85th, New York.
Architectural Service Co., The, 165½ N. High, Columbus, Ohio.
Arch'l Cornice & Skylight Wks., 4077 Park av, New York.
Archl. Mold Co., Warren & Medrum avs, Detroit, Mich.
Arch'l Record, trade publication, 119 W. 40th, New York.
Architecture, trade publication, 597 5th av, New York.
Architecture & Bldg., trade publication, 23 Warren, New York.
Arco Co., paints, varnishes & enamels, etc., Euclid & E. 65th, Cleveland, Ohio.
Arctic Ice Machine Co., ice & refrigerating machines, Canton, Ohio.
Arden Bennett Corp., juvenile vehicles, 450 E. 148th, New York.
Arden Manufg. Co., toys, Guttenberg, N. J.
Ardis & Co., Ltd., masons' & bldrs.' matls., Shreveport, La.
Ardmore Brick & Tile Co., Ardmore, Okla.
Ardmore Milling Co., flour, Ardmore, Okla.
Ardmore Refining Co., petroleum & its products, Ardmore, Okla.
Ardrey, S. B. & Sons, mchsts. & fndrs, Bristol, Pa.
Arenander, Carl E., architect, 587 Summer av, Newark, N. J.
Arend, Ernest A., architect, 105 W. 40th, New York.
Arensberg & Clemence, cornices, 924 Moyamensing, Phila., Pa.
Arex Co., ventilators, 1591 Conway Bldg., Chicago, Ill. *See adv index at end of book.*
Argent Lumber Co., Hardeeville, S. C.
Argentine Coal Co., bituminous, Oliver bldg, Pittsburgh, Pa.
Arghis, E. J., & Co., bolts & lock nuts, 74 Wall, New York.
Argillo Wks., sewer pipe, Carbon Cliff, Ill.
Argillo Wks., brick, Rock Island, Ill.
Argo Milling Co., buckwheat flour, Charlevoix, Mich.
Argonne Motor Car Co., 113 Plymouth, Jersey City, N. J.
Argus Mfg. Co., pen clips, 402 N. Paulina, Chicago, Ill.
Argus Novelty Co., swings, La Porte, Ind.
Argus Smelting Co., 47 W. 34th, New York.
**ARGUTO OILLESS BEARING CO.,** non-metallic oilless bearings, trade mark "Arguto," 149 Berkley, Wayne Junc., Philadelphia, Pa. *See adv index at end of book.*
Arioli, G., & Co., granite, Montpelier, Vt.
Arion Mfg. Co., talking machines, Boston, Mass.
Arista Mills Co., sheeting, Winston-Salem, N. C.
Aristo Co., perforated music rolls (Belleville), Newark, N. J.
Arithstyle Co., adding machines, 35 W. 39th, New York.
Arizona Copper Co., Clifton, Ariz.
Arizona Gypsum Plaster Co., Douglas, Ariz.
Arizona Hardware Supply Co., wholesale, Phoenix, Ariz.
Arizona Iron Works, Phoenix, Ariz.
Arizona Lumber & Mill Co., Tucson, Ariz.
Arizona Lumber & Timber Co., Flagstaff, Ariz.
Arizona Mine Supply Co., mill & factory supplies, whol, hdwe., Prescott, Ariz.
Arizona & Sonora Mfg. Co., machinists & fndrs., Nogales, Ariz.
Arkadelphia Milling Co., lumber, Arkadelphia, Ark.
Ark. Brick & Mfg. Co., Little Rock, Ark.
Ark. Bridge Co., contrs., Waldheim Bldg., Kansas City, Mo.
Ark. City Milling Co., flour, Arkansas City, Kan.
Ark. Coffin Co., South Fort Smith, Ark.
Ark. Cypress Shingle Co., Little Rock, Ark.
Ark. Fertilizer Co., Little Rock, Ark.
Ark. Fdry Co., Little Rock, Ark.
Ark. Land & Lumber Co., Malvern, Ark.
Ark. Lime Co., Ruddells, Ark.
Ark. Lumber Co., Warren, Ark.
Ark. Mill Supply Co., Pine Bluff, Ark.
Ark. & Miss. Hdwe. Co., Helena, Ark.
Ark. Oak Flooring Co., Pine Bluff, Ark.
Ark. Orchard Planting Co., canned goods, Highland, Ark.
Ark. Short Leaf Lbr. Co., Pine Bluff, Ark.
Ark. Short Leaf Lumber Co., oak flooring, etc., R. A. Long bldg., Kansas City, Mo.
Ark. Soft Pine Bureau, lumber, Little Rock, Ark.
Ark. Valley Fence Co., Wichita, Kan.
Ark. Zinc & Smelting Corp., spelter, Van Buren, Ark.
Arkell Safety Bag Co., paper bag mfrs., 120 B'way, New York.
Arkell & Smiths, paper bags, Canajoharie, N. Y.
Arkisen Bros., brick, Hudson, N. Y.
Arkmo Packing Co., Decatur, Ark.
Arkwright Mills, cotton sheetings, Fall River, Mass.
Arlington Art Glass Wks., Atlanta, Ga.
Arlington Canning Assn., Arlington, Minn.
Arlington, Claude L., architect, 507 Main, Worcester, Mass.
Arlington Coal & Coke Co., Lynchburg, Va.
Arlington Lumber Co., Arlington, Ky.
Arlington Machine Works, Arlington Heights, Mass.
Arlington Mfg. Co., paints, Canton, Ohio.
Arlington Milling & Lumber Co., Hillyard, Wash.
Arlington Refrigerator Co., Arlington, Vt
Arlington Works, The (E. I. du Pont de Nemours & Co.), toilet article mfrs., etc., Wilmington, Del.
Arlitt, Max., cornices, Austin, Tex.
Armand Mach. Wks., Inc., glass house equipt., 448 N. Wells, Chicago, Ill.
Armbruster, M., & Sons, scenic artists, 249 S. Front, Columbus, Ohio.
Armbruster, Otto, machsts & fndrs., Sheboygan Falls, Wis.
Armendinger, M., & Son, contractors, 1153 Myrtle av, Brooklyn, N. Y.

Armentrout & Sons, wholesale hdwe., 1710 14th, N. W., Washington, D. C.
Armer, Clarence H., & Bro., hogsheads, Augusta, Ky.
Armfield, G. W., architect, Greensboro, N. C.
Armiger Chemical Co., carriage dressing, 2155 Austin av, Chicago, Ill.
**Armington Engineering Co., hand power housing equipment, Euclid, O.** *See adv index at end of book.*
Arminius Chemical Co., 44 Pine, New York.
Armitage, Jno. L., & Co., wood fillers, 54 Dawson, Newark, N. J.
Armitage Manufg. Co., pitch, Richmond, Va.
Armleder, O., Co., automobile bldrs., 12th & Plum, Cincinnati, O.
**Armor Bronze Co., decorative bronze, lighting fixtures & table lamps, 236 5th ave., New York.**
Armor Clad Mfg. Co., filing cabinets, Canton, Ohio.
**Armour Ammonia Wks., 1355 W. 31st, Chicago, Ill.**
Armour, C. P., & Co., brick, Houston Station, Del.
Armour & Co., meat packers, 208 S. La Salle, Chicago, Ill.
**Armour Fertilizer Wks., United Stock Yards, Chicago, Ill.**
Armour Curled Hair & Felt Wks., 3131 Benson, Chicago, Ill.
**Armour Glue & Ammonia Wks., 22 Battery, San Francisco, Cal.**
**Armour Glue Wks., 49 Commercial Wharf, Boston, Mass.; 3130 Benson, Chicago, Ill.; & 120 B'way, New York.**
Armour Institute of Technology, engng. school & college & testing laboratory, 3300 Federal, Chicago, Ill.
Armour, Judson, carriages, East Downington, Pa.
**Armour Leather Co., 175 N. Franklin, Chicago, Ill.**
**Armour Sandpaper Wks., 1355 W. 31st, Chicago, Ill.**
**Armour Soap Wks., 1355 W. 31st, Chicago, Ill.**
Arms, H. G., stone prod., Bristol, Conn.
Armspear Mfg. Co., lamps, 447 W. 53d, New York.
Armstrong, A., Co., carriages, 719 State av, Cincinnati, Ohio.
**Armstrong, A. J., architect, 516½ Market, Shreveport, La.**
**Armstrong, A. R., contractor, 148 W. Kirby, Detroit, Mich.**
Armstrong-Blum Mfg. Co., rod cutters, punches & shears, etc., 337 N. Francisco av, Chicago, Ill.
Armstrong Bros., cornices, Springfield, Ill.
Armstrong Bros. Tool Co., tool holders, etc., 339 N. Francisco av, Chicago, Ill.
Armstrong, C. E., & Sons, wholesale hdwe., Clinton, Ia.
**Armstrong Co., cements, putty, South & Post av, Detroit, Mich**
Armstrong Cork & Insulation Co., 24th & A. V. R. R., Pittsburgh, Pa.
**Armstrong Cork Co., carpets & linoleum, Lancaster, Pa.**
Armstrong & De Gelleke, architects, 122 E. 25th, New York.
**Armstrong, Eliza J., packing box mrfrs., 513 Greenwich, New York.**
**Armstrong, F. A. W., & Co., screw machine products, 358 Atlantic av, Boston, Mass.**
**Armstrong & Fliesmam, mill & factory supplies, Dunkirk, N. Y.**
Armstrong, Frank H., architect, Seward Bldg., Auburn, N. Y.
Armstrong, Fred A., switch blocks, 348 Court, Brooklyn, N. Y.
**Armstrong, G. R., Mfrs. Supplies, Inc., mill & facty. supplies, 252 Franklin, Boston, Mass.**
Armstrong, G. W., cornices, Shelby, Ohio.
**Armstrong, Geo. W., & Co., Inc., iron & steel bars, Fort Worth, Tex.**
Armstrong, H. J., & Co., loose leaf devices, 538 S. Clark, Chicago, Ill.
Armstrong, I., & Co., sash, door & blind, Danbury, Conn.
Armstrong, J. C., Mach. & Fdry. Co., Peoria, Ill.
Armstrong, Jno. A., architect, 10 S. La Salle, Chicago, Ill.
Armstrong, Jno., Lime & Quarry Co., Alton, Ill.
Armstrong-Johnston Mfg. Co., auto. bodies, Columbus, Ohio.
Armstrong, Joseph M., architect, Annapolis, Md.
**Armstrong & Koch, architect, Audubon bldg, New Orleans, La.**
Armstrong, Landon Co., wholesale hdwe., Kokomo, Ind.
**Armstrong & Latta Co., contractors; dock bldrs., Land Title Bldg., Philadelphia, Pa.**
**Armstrong, Les. R., bldg. contr., 1263 S. Figroa, Los Angeles, Cal.**
Armstrong, M., Co., wood & metal auto. bodies, 433 Chapel, New Haven, Conn.
Armstrong Mach. & Well Wks. Co., Ltd., Welsh, La.
Armstrong Mach. Wks., Three Rivers, Mich.
**Armstrong Machinery Co., ice & refrigerating machines, Spokane, Wash.** *See adv index at end of book.*
Armstrong, Maitland & Co., glass stainers, etc., 58 W. 10th New York.
Armstrong Mfg. Co., brick, Hicksville, Ohio.
Armstrong Mfg. Co., corn racks, Ottumwa, Ia.
Armstrong Mfg. Co., mech. stokers, Springfield, Ohio.
**Armstrong Mfg. Co., forgings and machsts. & fndrs., Waterloo, Iowa.**
**Armstrong Mfg. Co., saw tools. 42nd, Portland Ore.**
**Armstrong Mfg. Co., water, gas & steam fitters' tools, 278 Knowlton, Bridgeport, Conn.**
**Armstrong Oiler Co., car journal lubricators, Commonwealth Trust Bldg., Philadelphia, Pa.**
**Armstrong, P. M., & Co., tin plate, metals, Lisbon, Ohio.**
**Armstrong Packing Co., lubricating oils & greases, soap, meat Dallas, Tex.**
**Armstrong Paint & Varnish Works, 2502 S. Paulina, Chicago, Ill**
**Armstrong & Parker, bolts, screws, washers, etc., Guilford av, Baltimore, Md.**
**Armstrong, Paul, advtg. spec., 97 Ft. Washington av, New York.**



Armstrong, R. S., & Bro., mill & facty. supplies, Atlanta, G
**Armstrong Rubber Co., heels, tubing, Garfield, N. J.**
Armstrong Stove & Mfg. Co., Perryville, Md.
**Armstrong Tanning Co., Hart & Charleroi, Detroit, Mich.**
Armstrong-Thielman Lumber Co., Calumet, Mich.
Armstrong Truck Co., North Wales, Pa.
Armstrong & Veley, machsts., Kalamazoo, Mich.
Armstrong, W. H., Co., surgical instruments, 34 W. Ohio, dianapolis, Ind.
Armstrong, Walter, machst., Springfield, Mass.
Armstrong, Wm., machst. & fndr., Maryville, Mo.
Armstrong, W. B., contractor, Everett, Boston, Mass.
Armstrong, William, knitted gloves, Needham Heights, Mas
Armstrong, Wm. H., carriage wheels, South Coventry, Con
Armstrong-Wolfe-Zimmerman Co., mill & facty. supplies, 1 Market, Pittsburgh, Pa.
Arndt Bros., rye & wheat flour, Sheboygan, Wis.
Arndt, Wm., cornices, Easton, Pa.
Arnell, Robt., lbr., Lewes, Del.
**Arner, Fred C., chemicals, Buffalo, N. Y.**
Arneson Fdry. Co., Kenosha, Wis.
Arnett, C. C., machst. & fndr., Gainesville, Tex.
Arnett, Edw. B., contractor, Sea Isle City, N. J.
Arnett, Lee, Co., road culverts, Lincoln, Neb.
Arnold, A. A., architect, Weston, W. Va.
Arnold, Adam, brick, Thomasville, Ga.
Arnold Bros., meat packers, 660 W. Randolph, Chicago, Ill.
Arnold, C. N., Co., masons' & bldrs.' matls., Poughkeepsie, N
**Arnold, Casper, & Son, sashes, doors & blinds, Cullman, Al**
Arnold, Cheney & Co., ivory, gum arabic imprs., 82 Beaver, York.
Arnold, Clinton C., architect, Scarboro-on-Hudson, N. Y.
Arnold & Co., lbr. mfrs., Albany, N. Y.
**Arnold Co., contrs., 105 S. La Salle, Chicago, Ill.**
Arnold Co., tex. machy., iron castings, etc., Norwalk, Conn.
Arnold, Conrad, stone prod., 1207 Orange, Syracuse, N. Y.
Arnold-Creager Co., machinery, New London, Ohio.
Arnold Damper, Inc., Goshen, Ind.
Arnold, Daniel, machst. & fndr., Warren, Ind.
Arnold E. J., contr., Macon, Ga.
Arnold, E. W., architect, Battle Creek, Mich.
Arnold Electric Co., drink mixers, hair dryers, electric m massage vibrators, etc., Racine, Wis.
Arnold Elec. Tool Co., Inc., see Lapointe, J. N., Co. (succes
Arnold, Elmer H., Co., cornices, Superior, Wis.
Arnold-Evans Co., plbrs.' supplies, Spokane, Wash.
Arnold, H. H., Co., machsts. & fndrs., Rockland, Mass.
Arnold, Hoffman & Co., aniline colors, alkali & starch mfr Canal, Providence, R. I.
Arnold, J. T., lbr., Elliott, Ark.
Arnold & Mabey, contrs., 121 5th, San Francisco, Cal.
Arnold & Murdock, machsts., Kenosha, Wis.
Arnold, N. B., metal polish, rust preventatives, 1 Sigou Brooklyn, N. Y.
Arnold & North, fireplace furnishings, wood mantels, 1 41st, New York
Arnold Print Wks., machsts. & fndrs., North Adams, Mas
Arnold, R. H., Co., contractors, 830 McGarry, Los Angeles
Arnold, S. A., landscape architect, 50 Broomfield, Boston,
Arnold, Samuel, architect, 2996 Adeline, Berkeley, Cal.
Arnold, Schwinn & Co., bicycle mfrs., 1718 N. Kildare av cago, Ill.
Arnold & Stern, architects, East. Av Bldg., Rochester, N.
Arnold, Thos., cornices, Lancaster, Pa.
Arnold & Van House, architects, Daly Bk. Bldg., Butte, M
Arnold, W. A., fertilizer mfr. Clio, Ala.
**Arnold, W. B. & Co., mill & facty. supplies, Waterville, Me.**
Arnold, W. E., rubber molds, Malden, Mass.
Arnold-Wagner Elec. Co., door key lights, South Bend, In
Arnold, Wm. H., sash, door & blind, Adams, Mass.
Arnold & Zeiss, crude rubber, 347 Madison av, New York
Arnolds, G. W., Son, agricultural implements, Ionia, Mich
Arnold's J. H., Son, labels, stamps, stencils, 47 Fulton, York.
Arnot, A. M., cornices & skylights, Charleston, S. C.
Arnott & Co., machinery, 121 S. Los Angeles, Los Angeles
Arnould, A. A., contractor, Davenport, Ia.
Arnstein, Eugene, paints, enamels, bronze powders, 45 W. Chicago, Ill.
Arntzen Co., Inc., hospital stretchers, 808 N. Clark, Chicag
Arny, C. W., & Son, mill & facty. supplies, Trenton & Son Philadelphia, Pa.
Arny, Chas., iron, steel, Elizabeth, N. J.
Aronauer, Joseph, mattresses, 61 Chrystie, New York.
Aroner, J. S., architect, 25 E. Jackson blvd, Chicago, Ill.
Aronoff, Joseph J., canvas & leather bags & specialties, Tr N. J.
Aroostock Valley Starch Co., Fort Fairfield, Me.
Arora Co., clothes washing machines, 46 E. 41st, New Y
Arp & Hammond Hardware Co., Cheyenne, Wyo.
Arpin, J. B., contractor, Houston, Tex.
Arpin, J. B., Dredging Co., Grand Rapids, Wis.
Arpin, John, Lumber Co., Grand Rapids, Wis.
Arpp, Simpson Co., contractors, Middletown, Ohio.
Arrah-Wanna Moccasin Co., hunting boots, Brockton, M
Arras Cream Separator Co., machsts., Bluffton, Ohio.

ni, F., & Bro., contractors, Middletown, Conn.
ton Fdry. & Mach. Co., Brookhaven, Miss.
ton, H. J., Co., lumber, Claremont, Va.
Boiler Compound Co., Commonwealth Trust bldg, St. uis, Mo.
Bottlers Machy. Co., 17 N. La Salle, Chicago, Ill.
Coal Co., bituminous, Oliver bldg, Pittsburgh, Pa.
Conductor & Mfg. Co., 1536 W. Adams, Chicago, Ill.
Electric Co. (The), electric wiring device mfrs., Hartrd, Conn.
Flexible Conduit Co., Inc., 210 Canal, New York.
Forging & Tool Wks., special tools, 31 N. Jefferson, Chigo, Ill.
Head Mfg. Co., lime mfrs., 4025 Park av, St. Louis, Mo.
Mfg. Co., electric motors, etc., 618 B'way, Toledo, Ohio.
head Mills, Inc., sulphite pulp, Fulton, N. Y.
smith Concrete Tool Co., Arrowsmith, Ill.
edstead Co., 37th & Rockwell, Chicago, Ill.
ass & Wire Wks., Forest & Ellery, Detroit, Mich.
ass Co., 299 E. 134th, New York.
istings Wks. 104 Verona, Newark, N. J.
as & Electric Fixture Co., 329 Elmwood av, Buffalo, N. Y.
lass Co., La Crosse, Wis.
lass Studios, 374 E. 141st, New York.
raphic Co., pennant mfrs., 129 Fulton, New York.
ardware & Mfg. Co., Seattle, Wash.
on & Wire Works, Toledo, Ohio.
Buttons, Inc., mfrs., Rochester, N. Y.
mp Mfg. Co., 1258 W. 15th, Chicago, Ill.
rble Co., 2608 Flournoy, Chicago, Ill.
**IETAL CONSTRUCTION CO.**, steel office furniture, files & tes, Jamestown, N. Y. *See adv. index at end of book.*
etal Fireproof Door & Trim Co., 2732 Wentworth av, Chigo, Ill.
etal Mfg. Co., lamps, E. 61st & Curtis av, Cleveland, hio.
etal Mfg. Co., see Fiat Metal Mfg. Co. (successors).
etal Products Co., metal furniture, bank fixtures, etc., 514 Green, Chicago, Ill.
etal Wks., fndrs., 7 Mulberry, Newark, N. J.
osaic & Tile Co., Toledo, Ohio.
ovelty Co., music cabinets, Goshen, Ind.
attern Wks., 121 Lafayette av, Detroit, Mich.
hade Co., 224 N. Desplaines, Chicago, Ill.
tone Co., artificial bldg. stone, 240 Market, Hartford, Conn.
tone Co., Millers Falls, Mass.
one Construction Co., Miami, Fla.
one Mfg. Co., 282 9th av, New York.
tove Co., Russell & Milwaukee, Detroit, Mich.
all Paper Mills, 2414 W. 21st, Chicago, Ill.
ares Mfg. Co., Indianapolis, Ind.
Elec'l Co., lamp coloring, Troy, N. Y.
, A., Son Co., saddles, Lisbon, Ohio.
an Stone & Lime Wks., Grand & Campbell avs, Chicago, Ill.
an Well & Supply Co., 195 Anthony, Providence, R. I.
n Mfg. Co., belt shifters, Lockland, Ohio.
Brass & Aluminum Castings Co., 1378 E. 33rd, Clevend, O.
r Co., machsts, 188 Front, New York.
r, H. S. & Sons Co., cornices, Watertown, N. Y.
r, W. H., contractor, Washington Bldg., Stamford, Conn.
ry Fuse Co., ammunition, Church &-F, Wilmington, Del.
a Piano Player Co., Rock Island, Ill.
ic Bronze Co., brass & bronze hdwre., Bridgeport, Conn.
ic Chandelier & Lamp Wks., 17 Battery pl, New York.
ic Medal & Badge Co., buttons, 1 Beekman, New York.
ic Nov. Co., 312 7th av, New York.
ic Wood Turning Wks., 515 N. Halsted, Chicago, Ill.
ic Weaving Co., cotton & silk woven labels, 141 W. 36th, lew' York.
y Bros., fndrs., Muncy, Pa.
y Co., contrs., Savannah, Ga.
n, Nichols & Co. Lbr. Co., Metropole, Ill.
Eng'g. Co., 348 Milwaukee, Wis.
lel Sand & Gravel Co., sand, Pier 2, Pratt, Baltimore, Md.
Mfg. Co., universal joints, Anderson, Ind.
ia-Buckingham Slate Co., Richmond, Va.
ger, W. O., Machy Co., ore reduction, Nashville, Tenn.
Carl H., Mfg. Co., irons, bowls, forging, stamping, 1348-2 De Kalb av, Brooklyn, N. Y.
l. S. J., Co., mchsts. & fndrs., Paterson, N. J.
tolith Mfg. Co., sanitary flooring, 1 Madison av, New York.
tos Burial Casket Co., Lowville, N. Y.
tos Co. of Cal., 16 Natoma, San Francisco, Cal.
tos Copying Bath Co., 26 Barclay, New York.
tos Felting Wks., 79 Maiden la, New York.
tos Fibre Spinning Co., North Wales, Pa.
tos & Mineral Corp., asbestos, 17 Battery pl, New York.
tos & Rubber Wks. of Am., 58th & B'way, New York.
tos & Rubber Wks. of N. J., packing mfrs., Camden, N. J.
tos Shingle Co., Nashua, N. H.
tos Shingle, Slate & Sheathing Co., Ambler, Pa.
tos Supply & Mfg. Co., mill & facty supplies, 111 W. 3rd, Cincinnati, O.
tos Textile Co., asbestos products, 233 B'way, New York.
tos Wood Co., Nashua, N. H.
ry Glass Sign Co., 304 Greenwich, New York.

Asbury Graphite Mills, Asbury, N. J.
Asbury, Louis H., architect, Charlotte, N. C.
Asbury Marble Co., Knoxville, Tenn.
Asbury Park Mill Co., sashes, doors & blinds, Asbury Park, N. J.
Asbury, Otis K., architects, 110 N. 7th, Richmond, Va.
Ascension Red Cypress Co. (Ltd.), lumber & cypress shingles, 403 Whitney bldg., New Orleans, La.
Asch & Co., auto. towing ropes, 16 W. 61st, New York.
Asch, Edgar S., Co., metal buttons, 30 W. 36th, New York.
Aschauer, C. J., architect, Decatur, Ill.
Aschenbach, Walter J., architect, 51 Wakeman av, Newark, N. J.
Ascher, Leopold Co., shaving brushes, 118 6th av, New York.
Ascher Supply Co., plumbers' supplies, jobbers, 236 N. Third, Columbus, O.
Asdahl & Nelson, masons' & bldrs. matls., Racine, Wis.
Asendorf, J. H., Co., lumber mfrs., Stewart Bldg., Baltimore, Md.
Asendorf, Wm. H., & Co., packing box mfrs., Russell & Stockholm, Baltimore, Md.
Aseptic Cotton Products Co., Chattanooga, Tenn.
Aseptic Hospital Supply Co., furniture, 92 Fulton, B'klyn, N. Y.
Aseptico Laboratories, Inc., surgical gauze, 107 State, Rochester, N. Y.
Aseptic Products Co., surgical gauze mfrs., 237 Borden av, Long Island City, N. Y.
Ash, C., & Sons, contractors, 202 Maria av, St. Paul, Minn.
Ash, Chas. H., contractor, Coatesville, Pa.
Ash, Chas. W., lumber, Coatesville, Pa.
Ash, Claudius, Sons & Co. (Ltd.), rubber goods, 1 Union sq, New York.
Ash Grove Lime & Portland Cement Co., Grand av Temple, Kansas City, Mo.
Ash, Henry M., mill & facty. supplies, Paterson, N. J.
Ash, Percy, University of Illinois, architect, Toledo, Ill.
Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Ashbaugh Co., paint mfrs., Columbus, Ohio.
Ashbery, Hy. C., stencils, rubber stamps, etc., 285 Washington, Buffalo, N. Y.
Ashboro Roller Mills, flour, Ashboro, N. C.
Ashboro Wheelbarrow Co., sashes, doors & blinds, ladders, Ashboro, N. C.
Ashbrook Elec. Co., storage batteries, 4111 Ravenswood av, Chicago, Ill.
Ashbrook, F. S., Dist. Co., Cynthiana, Ky.
Ashburn Lumber Co., Ashburn, Ga.
Ashburn Oil Mill, Ashburn, Ga.
Ashby, Ashby & Schulze, architects, 178 Jackson blvd, Chicago, Ill.
Ashby Bros. Lbr. Co., Bethany, Mo.
Ashby, Jos., contractor, 1920 Oxford av (Fox Chase), Philadelphia, Pa.
Ashby & Sons, cereal & prepared foods, Leavenworth, Kans.
Ashcraft Cotton Mills, Florence, Ala.
Ashcroft Mfg. Co., alarms, clocks, gauges, indicators, recorders, etc., 119 W. 40th, New York.
Ashe-Carson Co., turpentine, Andalusia, Ala.
Asheim, Leonard, architect, 211 State, Bridgeport, Conn.
Ashenden, H. H., machy. dlr., Waterbury, Conn.
Asher, A. J., lumber, Pineville, Ky.
Asher Mfg. Co., ldry. machy., Irvington, N. J.
Asheville Constr. Co., Asheville, N. C.
Asheville Dray, Fuel & Constr. Co., Asheville, N. C.
Asheville, Mica Co., Asheville, N. C.
Asheville Milling Corp., flour, Asheville, N. C.
Asheville Packing Co., fertilizer mfrs., Asheville, N. C.
Asheville Supply & Fdry. Co., Asheville, N. C.
Ashfield, F. J., contractor, 350 Fulton, Brooklyn, N. Y.
Ashford Trunk & Bag Co., Atlanta, Ga.
Ashland Cement Constr. Co., Ashland, Ky.
Ashland Co., cotton sheetings, Ashland, R. I.
Ashland Co., lbr., Sheridan, Me.
Ashland Cotton Co., umbrella cloth, Jewett City, Conn.
Ashland Elec. Co., conduits, switches & wire cables, 1517 Haddon av, Chicago, Ill.
Ashland Fire Brick Co., Ashland, Ky., and Ironton, Ohio.
Ashland Fdry. & Mach. Works, Ashland, Ky.
Ashland Graphite Co., Ashland, Ala.
Ashland Hardware Co., Ashland, Ohio.
Ashland Iron & Mining Co., Ashland, Ky.
Ashland Iron Wks., Ashland, Ore., and 1604 W. Superior, Chicago, Ill.
Ashland Lime, Salt & Cement Co., masons' & bldrs. matls., Ashland, Wis.
Ashland Lumber Co., Ashland, Ky.
Ashland Mfg. Co., auto jacks, etc., Ashland, Ohio.
Ashland Mfg. Co., see Wilson, Thos. E. & Co. (successor).
Ashland Milling Co., Ashland, Ky.
Ashland Oil Mill & Fertilizer Co., Ashland, Ala.
Ashland Paint Co., Huntington, W. Va.
Ashland Paper Co., Ashland, Wis.
Ashland Products Co., auto jacks & tire savers, Ashland, Ohio.
Ashland Steel Co., Ashland, Ky.
Ashley, M. F., & Co., masons' & bldrs. matl., Attleboro, Mass.
Ashley Machine Wks., Rochester, N. Y.
Ashley Sewage Disposal Co., consulting & construction engineers, Morgan Park, Chicago, Ill.
Ashley Steel Building Co., Inc., portable building, 1790 B'way, New York.

Ashley, T. C., & Co., aniline colors, rubber substitutes, etc., Atlantic av, Boston, Mass.
Ashman, Geo., crushed stone, Osgood, Ind.
Ashman, S. A. & Son Co., iron forgings, 2300 E. Tioga, Phila., Pa.
Ashmore, Clifford, stencils, 210 Arch, Philadelphia, Pa.
Ashmusen Mfg. Co., aeronautical motors, 266 Pearl, Providence, R. I.
Ashoyton Knitting Co., knitted gloves, Shelburne Falls, Mass.
Ashtabula Corrugated Box Co., Ashtabula, Ohio.
Ashtabula Hide & Leather Co., Ashtabula, Ohio.
Ashtabula Pail Co., Ashtabula, Ohio.
Ashton Casket Co., Easton, Pa.
Ashton & Huntress, architects, 477 Essex, Lawrence, Mass.
Ashton, J. B., flour mills, Columbia, Tenn.
Ashton, J. H., & Co., drinking fountains, 271 Franklin, Providence, R. I.
Ash..on, Laird & Co., welding apparatus, 509 W. 45th, New York
Ashton Mfg. Co., burners, furnaces, torches, etc., 184 Emmet, Newark, N. J.
Ashton Valve Co., safety & relief valves, gauges, etc., 161 First, Cambridge, Mass.
Ashton, W. R., & Co., contrs., 9204 Pleasant av, Chicago, Ill.
Ashton, Wm. S., architect, 88 4th, Fall River, Mass.
Ashuelot Paper Co., Hinsdale, N. H.
Ashworth Bros., machsts., Fall River, Mass.
Ashworth's, J. E., Sons, horse blankets, West Brookville, N. Y.
Asiatic Petroleum Co. N. Y., Ltd., 233 B'way, New York.
Askam Rubber Co., reclaimed rubber, Milford, Conn.
Aske Automobile Voltage Regulator Co., Duluth, Minn.
Askew, W. S., Co., flour, lbr., Newnan, Ga.
Askew Saddlery Co., Kansas City, Mo.
Askins & Dircks Lumber Co., Union City, Tenn.
Askwith, H. A., architect, 292 E. 45th, Portland, Ore.
Asmus & Norton, see Asmus & Clark (successors).
Aspaugh, J. A., brick & tile, Payne, Ohio.
Asphalt Block Pavement Co., Toledo, Ohio.
Asphalt Constr. Co., Madison av & 137th, New York.
Asphalt Roof Coating Co., Ltd., 10 E. 43rd, New York.
Asphalt Roofing Co., Saginaw, Mich.
Asphaltum & Oil Refining Co., 2475 E. 9th, Los Angeles, Cal.
Asphaltum & Chemical Products Co., electro-platers' chemical, Park Row bldg, New York.
Aspinwall, Geo. H., Inc., paints, chemicals, etc., Cornelison av, Jersey City, N. J.
Aspinwall, J. Lawrence, architect, 8 W. 40th, New Yorfl.
Aspinwall Mfg. Co., agricultural implements, Jackson, Mich.
Aspromet Co., asbestos protected metal roofing, louvres, shingles, venitators, etc., 1st National Bank Bldg., Pittsburgh, Pa.
Assau, W. F., Canning Co., Boston, cor. Streeper, Baltimore, Md.
Assay, Wilbur, architect, Asbury Park, N. J.
Assenmacher, W. J., Co., contractors, Lincoln, Neb.
Assies, John, architect, Wilson Terrace, off 199 Lewis, Lynn, Mass.
Associated Automatic Sprinkler Co., 2216 Vine, Phila., Pa.
Associated Buffalo Architects, 232 Delaware av, Buffalo, N. Y.
Associated Mfrs. Co., machsts. & fndrs., Waterloo, Ia.
Associated Mfrs. Co. of N. Y., plbrs. supplies, 103 Varick, New York.
Associated Metal Lath Manufacturers, 901 Swetland Bldg., Cleveland, Ohio.
Associated Oil Co., Sharon Bldg., San Francisco, Cal.
Associated Rolling Mills, Ltd., copper ferrules, 145 Lafayette, New York.
Associated Silver Co., silver plated tableware, 5 S. Wabash av, Chicago, Ill.
Associated Supply Co., oil & gas well supplies, Sharon Bldg., San Francisco, Cal.
Associated Tanners' Machinery Co., hide & leather working machinery, mfrs., 424 Essex, Salem, Mass.
Associated Tile Mfrs., art, ceramic, enameled, etc., Masonic Bldg., Beaver Falls, Pa.
Astell, Hdwe. Co., cornices & skylights, Buffalo, Wyo.
Astle, H. J., & Co., exhaust fans, polishing machines, etc., 118 Orange, Providence, R. I.
Astlett, H. A., & Co., crude rubber imps., 113 Pearl, New York.
Astley, T. M., masons' & bldrs.' matls., Grand Ledge, Mich.
Astoria Boat Wks., & Marine Equipment Co., Inc., Astoria, L. I., N. Y.
Astoria Box Co., lumber, Astoria, Ore.
Astoria Casket Co., 16 Chestnut, Long Island City, N. Y.
Astoria Constr. Co., Astoria, Ore.
Astoria Mach. Wks., 54 Fulton av, Astoria, Long Island, N. Y.
Astoria Mahogany Co., Inc., 347 Madison av, New York.
Astoria Marine Iron Wks., marine boilers & engines, dry docks & farm tractors, Astoria, Ore.
Astoria & Puget Sound Canning Co., South Bellingham, Wash.
Astoria Silk Wks., plushes, 727 Steinway av, Long Island City, N. Y.
Astoria Timber & Lumber Co., Astoria, Ore.
Astoria Veneer Mills & Dock Co., ft. Blackwell, Long Island City, N. Y.
Astoria Wire Co., rubber covered wire, ft. of Court, Long Island City, N. Y.
At Last Washer Co., washing machs., Perry, Ia.
Ataglance Thermometer Co., St. Louis, Mo.
Atcheson Tool & Die Co., 43 W. Long, Columbus, Ohio.



Atchison Optical Co., Atchison, Kan.
Atchison Revolving Door Co., sash, door & blind mfrs., 5 Jackson, Chicago, Ill.
Atchison Saddlery Co., Atchison, Kan.
Atchley, P. S., flour mills, Ebenezer, Tenn.
Atee, W. L., architect, Arkansas City, Kansas.
Aten, Hy. F., machsts. & fndrs., Hope, N. J.
Aten Sewage Disposal Co., 286 5th av, New York.
Aten, Volda B., masons' & bldrs.' matls., Ashtabula, Ohio
Aterite, M. H., Co., Inc., non-corrosive plumbers' supplie John, New York.
Atha Tool Co., mechanics' tools, ft. of Chapel, Newark,
Athenia Steel Co., 135 William, New York.
Athens Brick Co., Athens, Ohio.
Athens Brick & Tile Co., Athens, Tex.
Athens Brick & Tile Co., Athens, Wis.
Athens Foundry Co., Athens, Ohio.
Athens Foundry & Machine Works, Athens, Ga.
Athens Glass Co., Morgantown, W. Va.
Athens Hardware Co., Athens, Ga.
Athens Lumber Co., Athens, Ohio.
Athens Lumber Co., Morgantown, W. Va.
Athens Mach. Shop Co., Athens, N. Y.
Athens Mattress & Spring Bed Co., Athens, Ga.
Athens Roller Mills, flour mills, Athens, Tenn.
Athens Stove Co., mfrs., Athens, Ohio.
Atherton, Fred L., Mach. Co., textile machy. supplies (warpers), Paterson, N. J.
Atherton, G. W., masons' & bldrs.' matls., Livermore, Ky.
Atherton, Jesse, machy. dlr., 24 Calender, Providence, R. I.
Atherton, M., Sons, lbr., Anderson, Ind.
Atherton, Thos. H., Jr., architect, Coal Exchange Bldg., W Barre, Pa.
Atherton, Walter, architect, 15 Exchange, Boston, Mass.
Athey Co., mfrs. weather strips, 124 W. 24th, Chicago.
Athey Sanitary Equipment Co., 1907 Michigan av, Chicag
Athol Comb Co., Athol, Mass.
Athol Machine Co., vises, machinery & fine tools, mfrs., Mass.
Athol Mfg. Co., blankets, cushions, leather, rubber sh Athol, Mass.
Athol Pump Co., Athol, Mass.
Atkin, C. B., Co., sash, door & blind, Knoxville, Tenn.
Atkin, Wm. T., Jr., brick, Deerfield, Mich.
Atkins, Alfred, contractor, 1345 Montezuma, Pittsburgh,
Atkins Bros., hubs, spokes, etc., Attoway, Va.
Atkins, Chas. G., engrs., Monadnock bldg, Chicago, Ill:
Atkins & Co., toys, games, etc., 435 Market, Philadelphia,
Atkins & Durbrow, peat moss, hoof packing, 157 Water York.
Atkins, E. C., & Co., saws, tools & machinery, Indianapoli
Atkins, Ed., contractor, 249 S. 24th, Philadelphia, Pa.
Atkins, H. C., Mfg. Co., machsts., 745 S. 3rd, St. Louis,
Atkins, Kroll & Co., brick, 260 California, San Francisco
Atkins Lbr. Co., Inc., Atkins, Va.
Atkins & Pearce Mfg. Co., cordage mfrs., 5th & Egglest Cincinnati, Ohio.
Atkins, W. C., Machine Co., special machy, 1 Gleason Pl. ester, N. Y.
Atkinson, A. S. J., architect, 3801 Macomb, N. W., Wash D. C.
Atkinson Box & Lumber Co., packing box mfrs., Hawley.
Atkinson, C. H., Paving Co., contrs., Watertown, S. D.
Atkinson Co., plumbers' brass goods, etc., 575 Lyell av. ter, N. Y.
Atkinson, Edw. G., architect, 434 State, Schenectady, N.
Atkinson, Hugh., contractor, Carbondale, Pa.
Atkinson, J. F., contractor, 610 S. B'way, Los Angeles,
Atkinson, J. W., contractor, Richmond, Va.
Atkinson Mill Co., lbr., Atkinson, Ga.
Atkinson-Morse Destructor Co., 71 8th av, New York.
Atkinson, Oloff, brick, Rock Island, Ill.
Atkinson, P. W., canned goods, Berkeley Springs, W. Va.
Atkinson, R. Bruce, architect, 818 Conn. av, N. W., Wash D. C.
Atkinson, W. H., architect, Mt. Vernon, Ill.
Atkinson, W. H., Co., steel structural wk., Hoboken, N. J
Atkinson-Williams Hardware Co., Fort Smith, Ark.
Atlanta Canning Co., Atlanta, Ind.
Atlanta Canning Co., Atlanta, N. Y.
Atlanta Casket Co., Atlanta, Ga.
Atlanta Cotton Oil Co., cottonseed meal, Atlanta, Ga.
Atlanta Envelope Co., Atlanta, Ga.
Atlanta Gas Light Co., paving, roofing pitch & tar mfr lanta, Ga.
Atlanta Machy. Exchange, Atlanta, Ga.
Atlanta Marble & Granite Works, Atlanta, Ga.
Atlanta Milling Co., flour, Atlanta, Ga.
Atlanta Paper Co., Atlanta, Ga.
Atlanta Plow Co., Atlanta, Ga.
Atlanta Rubber Stamps & Stencil Wks., Atlanta, Ga.
Atlanta Show Case Co., Atlanta, Ga.
Atlanta Steam Heating Co., Atlanta, Ga.
Atlanta Stove Works, Atlanta, Ga.
Atlanta Table Co., desks, Atlanta, Ga.
Atlanta Tent & Awning Co., Atlanta, Ga.

a Terra Cotta Co., Atlanta & East Point, Ga.
a Tile & Brick Co., Atlanta, Ohio.
a Utility Wks., machsts. & fdrs., East Point & Atlanta, a.
a Variety Works, cloth mops, Atlanta, Ga.
a Woodenware Co., wood handles, Atlanta, Ga.
ic Asbestos Co., yarns & cloth, 132 N. 2nd, Philadelphia, a.
ic Bag Co., second-hand bags, 243 Water, New York.
ic Basin Iron Wks., machsts., 168 Van Brnt, Brooklyn, . Y.
ic Bithulithic Co., Richmond, Va.
ic Boat Co., launch & yacht motor boat bldrs., Amesbury, ass.
ic Bottle Co., 90 W. B'way, New York.
ic Box & Lbr. Co., 814 E. 5th, New York.
ic Brick Mfg. Co., May's Landing, N. J.
ic Brick Mfg. Co., 1218 Chestnut, Philadelphia, Pa.
ic Can Co., 2126 Boston, Baltimore, Md.
ic Canning Co., Atlantic, Ia.
ic Canning Co., Eastport, Me.
ic Canning Co., Rehoboth Beach, Del.
ic Chain Corp., 73 Marion, Long Island City, N. Y.
ic Chemical Co., fertilizer mfrs., Columbia, S. C., and acon, Ga.
ic City Plumbing Supply Co., Atlantic City, N. J.
ic Coast Co., Inc., ship bldrs., Thomaston, Me.
ic Coast Hardware Co., 169 A, Boston, Mass.
ic Coast Lbr. Corp., 1700 B'way, New York.
ic Coast Sand Co., 24 Stone, New York.
ic Coffin & Casket Co., Rosehill, N. C.
ic Communication Co., wireless tel. instruments, 241 ayette, New York.
ic Co., sash chains, 470 17th, Brooklyn, N. Y.
ic Constr. & Supply Co., Atlantic City, N. J.
ic Creosoting & Wood Preserving Wks., Norfolk, Va.
ic Dock Co., 1 N Pier, Atlantic Basin, Brooklyn, N. Y.
ic Drier & Varnish Co., Meadow & Wolf, Philadelphia, Pa., nd 3909 Sheridan, Chicago, Ill.
ic Dyestuffs Co., colors, dyes & dyestuffs, Ames Bldg., oston, Mass.
ic Electric Vehicle Co., 893 Freylinghuysen av, Newark, . J.
ic Engine Co., emery grinders, Meadville, Pa.
ic Excelsior Mfg. Co., Inc., 507 W. 30th, New York.
ic Filter Co., Marine Nat. Bank Bldg., Buffalo, N. Y.
ic Foundry Co., Akron, Ohio.
ic Foundry Co., Morgan av & Groton, Cleveland, Ohio.
ic Gulf & Pacific Co., contractors, Park Row Bldg., New ork, and Houston, Tex.
ic Importing Co., soldering flux, Providence, R. I.
ic Insulated Wire & Cable Co., Stamford, Conn.
ic Iron Wks., machsts., 441 11th av, Brooklyn, N. Y.
ic Iron Wks., machsts. & fndrs., Norfolk, Va.
ic Isinglass Co., Boston, Mass.
ic Jute Mills, bagging sugar cloth mfrs., Norfolk, Va.
ic Knitting Mills, sweaters, 1270 B'way, New York.
ic Leather Co., Av A, Newark, N. J.
ic Lumber Co., 70 Kilby, Boston, Mass.
ic Machine Screw Co., 48 Binford, Boston, Mass.
ic Mfg. Co., mill & facty. supplies, Wilmington, Del.
ic Mfg. Co., screw mach. prod., Bridgeport, Conn.
ic Metal Hose Co., 311 W. 59th, New York.
ic Mills, woolen flannels, 120 Manton av, Providence, R. I.
ic Paint Co., Cleveland, Ohio
ic Radiator Co., Huntingdon, Pa.
ic Refining Co., oil mfrs., 3144 Passyunk av, Phila., Pa.
ic Rice Mills Co., Beaumont, Tex.
ic Rubber Co., rubber mfrs., Boston, Mass.
ic Rubber Co., Linden, Boston, Mass.
ic Screw Wks., Hartford, Conn.
ic Show Case Co., 438 73rd, Brooklyn, N. Y.
ic Smelting & Refining Wks., 57 Richards, Brooklyn, N. Y.
ic Southwestern Broom Co., 2d & Toone, Baltimore, Md.
ic Stamping Co., hollow ware mfrs., 156-180 Ames, Rochster, N. Y.
ic Starch Wks., Westport, Conn.
ic Steel Casting Co., Chester, Pa.
ic Steel Co., Atlanta, Ga.
ic Supply Co., Inc., mill & facty. supplies, Norfolk, Va.
ic Tank & Barrel Corp., Hoboken, N. J.
ic Terra Cotta Co., 1170 B'way, New York.
ic Tile Mfg. Co., ceramic, Matawan, N. J.
ic Tubing Co., 1756 Cranston, Providence, R. I.
ic Turpentine & Pine Tar Co., Savannah, Ga.
ic Type Fdry. Co., 190 Congress, Philadelphia, Pa.
ic Varnish Works, varnish mfrs., Richmond, Va.
ic Wire Co., Branford, Conn.
ic Wire & Iron Wks., 1638 Fulton, Chicago, Ill.
ic Wood Heel Co., 322 Van Buren, Brooklyn, N. Y.
ic Wks., machsts. & fdrs., 80 Border, E. Boston, Mass.
Auto Supply Co., metal polish, 656 W. Austin av, Chicago, ll.
Ball Co., limit gauges, brass & steel balls, 4th & Glenwood av, Philadelphia, Pa
Bolt & Screw Co., 1130 Ivanhoe rd, Cleveland, O.
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Atlas Brass Fdry., 155 A, S, B, Boston, Mass.
Atlas Brass Fdry. Co., 980 Park, Columbus, Ohio.
Atlas Brass Mfg. Co., mchsts. & fdrs., 332 Lakeside av, N. W., Cleveland, Ohio.
Atlas Brass Works, 612 Bryant, San Francisco, Cal.
Atlas Brick Co., El Paso, Tex.
Atlas Building Co., 219 W. 7th, Los Angeles, Cal.
Atlas Building Material Co., Newburgh, N. Y.
Atlas Button Wks., 22 W. 22d, New York.
Atlas Car & Mfg. Co., cars & electric locomotives, Cleveland, O. *See adv. index at end of book.*
Atlas Cereal Co., 1200 W. 8th, Kansas City, Mo.
Atlas Chemical Co., sulphuret of antimony, Waltham, Mass.
Atlas Coal & Supply Co., masons' & bldrs. matls., Binghamton, N. Y.
Atlas Color Works, Inc., aniline colors, dyes & dyestuffs, 322 9th, Brooklyn, N. Y.
Atlas Co., roofing cements, asbestos, & compounds, Lincoln, N. J.
Atlas Constr. Co., Youngstown, Ohio.
Atlas Copper & Brass Mfg. Co., 2734 High, Chicago, Ill. *See adv index at end of book.*
Atlas Crucible Steel Co., Dunkirk, N. Y.
Atlas Drop Forge Co., Lansing, Mich.
Atlas Dryer Co., Citizens Bldg., Cleveland, Ohio.
Atlas Educational Film Co., 63 E. Adams, Chicago, Ill.
Atlas Electric Devices Co., 128 S. Clinton, Chicago, Ill.
Atlas Engng. Co., concrete mixers & traction wagon loaders, 3009 Lisbon av, Milwaukee, Wis.
Atlas Engng. Co., mill picks, rivets, snaps, tool holder bits, countersinks, steel hardening, high speed steel & tools, Lincoln, N. Y.
Atlas Elec. Storage Battery Co., Greenville, Mich.
Atlas Forgings Co., 2515 S. Artesian av, Chicago, Ill.
Atlas Foundry Co., 234 Artillery av, Detroit, Mich.
Atlas Foundry Co., Marion, Ind.
Atlas Fdry. Co., Irvington, N. J.
Atlas Foundry & Machine Co., Tacoma, Wash.
Atlas Heating & Ventilating Co., 72 Freelon, San Francisco, Cal.
Atlas Imperial Engine Co., Oakland, Cal.
Atlas Laboratory Equipment Bureau, chemical apparatus, 731 N. Wells, Chicago, Ill. *See adv index at end of book.*
Atlas Laundry Machy. Co., see Am. Laundry Machy. Co. (successor).
Atlas Lumber Co., Atlas Bldg., Seattle, Wash.
Atlas Mach. Co., 7 Eddy, Providence, R. I.
Atlas Mach. Co., power presses, wire-forming & rivet machinery, Waterbury, Conn.
Atlas Mfg. Co., auto crankshafts, etc., Fostoria, Ohio.
Atlas Mfg. Co., boiler flue cleaners, 154 1st, San Francisco, Cal.
Atlas Mfg. Co., cotton sheetings, Bessemer City, N. C.
Atlas Mfg. Co., hdware. mfrs., New Haven, Conn.
Atlas Mfg. Co., saw guards & window frame machy., Orlando, Fla.
Atlas Metal Parts Co., sheet metal stampings, 998 15th, Milwaukee, Wis.
Atlas Metal Wks., Dallas, Tex.
Atlas Mineral Products Co., slate flour, soapstone, talc, etc., Lincoln, N. J.
Atlas Oil Co., Rose Bldg., Cleveland, Ohio.
Atlas Paint Co., 101 Park av, New York.
Atlas Paint Co., Sharpsburg, Pa.
Atlas Paper Co., Indianapolis, Ind.
Atlas Paving Brick Co., Hollister av & Gilroy, San Francisco, Cal.
Atlas Portland Cement Co., 134 N. La Salle, Chicago, Ill.
Atlas Portland Cement Co., 30 Broad, New York.
Atlas Powder Co., dynamite, powder & explosives mfrs., 140 N. Broad, Philadelphia, Pa. *See adv index at end of book.*
Atlas Press Co., arbor presses, 323 N. Park, Kalamazoo, Mich.
Atlas Radiator Pedestal Co., 102 Williams, Norwich, Conn.
Atlas R. R. Supply Co., 431 S. Dearborn, Chicago, Ill.
Atlas Roofing Co., cornices, Newburgh, N. Y.
Atlas Rubber & Belting Co., mill & facty. supplies, 321 Walnut, Cincinnati, O.
Atlas School Supply Co., composition blackboards, 531 S. Peoria, Chicago, Ill.
Atlas Selling Agency, fuse plugs, 450 4th av, New York.
Atlas Shear Co., Bridgeport, Conn.
Atlas Shingle Co., Atlas, Idaho
Atlas Soda Fountain Co., 119 S. Jefferson, Chicago, Ill.
Atlas Specialty Mfg. Co., inner tube bags, 18 E. 24th, Chicago, Ill.
Atlas Steel Casting Co., Buffalo, N. Y.
Atlas Steel Column Mfg. Co., 212 N. 10th, Brooklyn, N. Y.
Atlas Supply Co., cement & paste mfrs., 108 Ring, Phila., Pa.
Atlas Supply Co., mill & facty. & plumbers' supplies, Muskogee, Okla.
Atlas Tack Co., nails, rivets & tacks, Fairhaven, Mass.
Atlas Tie Co., railroad ties, Cœur D'Alene & Atlas, Idaho.
Atlas Wall Plaster Co., Louisville, Ky.
Atlas Wash Tray Co., cement wash tray mfrs., New Haven, Conn.
Atlas Welding Works, Rahway, N. J.
Atlastic Paint Mfg. Co., 1007 Marquette av, Minneapolis, Minn.
Atlee, S. & J. C., lumber mfrs., Fort Madison, Iowa.
Atsatt Bros., coffee & peanut roasters, Mattapoisett, Mass.
Attalla Foundry & Mach. Co., Attalla, Ala.
Atteaux, F. E., & Co., chemicals, 174 Purchase, Boston, Mass.

Atterbury Bros., casein, 145 Nassau, New York.
Atterbury Motor Car Co., Buffalo, N. Y.
Atterbury & McKelvey, Inc., wood pulp, 145 Nassau, New York.
Attica Lbr. Co., Attica, Ind.
Attley, J. M., Co., lbr., 11 S. La Salle, Chicago, Ill.
Attracto Co., advtg. spec., Tretz bldg., Philadelphia, Pa.
Attwell Cornice Co., Ft. Worth, Tex.
Attwood Brass Wks., machsts., Grand Rapids, Mich.
Attwood & Trysell, architects, Temple bldg, Detroit, Mich.
Atwater, D., & Son, masons' & bldrs. matls., Massillon, Ohio.
Atwater & Dow, common brick, South Amherst, Mass.
Atwater, E. C., & Co., cornices, Springfield, Mass.
Atwater-Kent Mfg. Works, gas igniters, 4937 Stenton av, Philadelphia, Pa.
Atwater Mfg. Co., bolt, nut & rivet, Plantsville, Conn.
Atwater Mfg. Co., h'dwe mfrs. (carriage), auto., etc., Southington, Conn.
Atwater, S. I., advtg. nov., 101 Lafayette, New York.
Atwater, W. H., & Sons, lumber mfrs., Garfield, N. Y.
Atwood Anthony, masons' & bldrs. matls., Plymouth, Mass.
Atwood, C. W., masons' & bldrs. matls., Watertown, Conn.
Atwood, Crawford Co., textile machy., Pawtucket, R. I.
Atwood Davis Sand Co., 112 W. Adams, Chicago, Ill.
Atwood, F. H., Lumber Co., Cairo, Ill.
Atwood, Frank W., aniline colors, Boston, Mass.
Atwood, Harrison H., architects, Dorchester, Boston, Mass.
Atwood-Jones Mfg. Co., machinists, Stillwater, Minn.
Atwood, L. O., lbr., Rock, Mass.
Atwood & McManus Box Co., Chelsea, Mass.
Atwood Machine Co., Stonington, Conn.
Atwood & Morrill, regulators, valves, etc., 48 Loring av, Salem, Mass.
Atwood River Canning Co., Valona, Ga.
Atwood-Robbins Lumber Co., masons' & bldrs. matl., Plymouth, Mass.
Atwood Vacuum Cleaner Co., Rockford, Ill.
Atyeo Bros., masons' & bldrs. matls., Sullivan, Ohio.
Aubeuf, Frank J., Inc., hand carts, Oneida, N. Y.
Aubel, F. & E., iron, 2505 Germtn., Philadelphia, Pa.
Aubertin, Jos. F., tex. machy., roll coverers, New Bedford, Mass.
Aubin, Wilfrid, contractor, Woonsocket, R. I.
Aubrey, C. H., flour mills, Stithton, Ky.
Auburn Automobile Co., Auburn, Ind.
Auburn Ball Bearing Co., 26 Elizabeth, Rochester, N. Y.
Auburn Brick Tile & Cement Co., Auburn, Ill.
Auburn Brick & Tile Co., Auburn, Ia.
Auburn Brush Co., cloth mops, etc., Auburn, Me.
Auburn Button Works, Auburn, N. Y.
Auburn Canning Co., Auburn, Neb.
Auburn Fndry., Auburn, Ind.
Auburn Handle Co., Auburn, Ind.
Auburn Hardware Co., Auburn, Ind.
Auburn Ignition Mfg. Co., Auburn, N. Y.
Auburn Leather Goods Co., packings, etc., Auburn, N. Y.
Auburn Lumber Co., Auburn, Ind.
Auburn Mach. & Auto. Garage, Auburn, Ind.
Auburn Mfg. Co., bodies & seats, wood (auto., carriages, etc.), Auburn, Ind.
Auburn Mills, flour, Auburn, Ky.
Auburn Post Card Mfg. Co., Auburn, Ind.
Auburn Shale Brick Co., Auburn, Pa.
Auburn Wagon Co., delivery, Martinsburg, W. Va.
Auburndale Hardware Co., Toledo, Ohio.
Auchey's, Abraham G. & Sons, machsts. & fndrs., Codorus, Pa.
Aucutt Bros., masons' & bldrs. matls., Aurora, Ill.
Audebert Wall Paper Mill, 1807 Foster av, Chicago, Ill.
Audubon Canning Co., Audubon, Ia.
Audubon Wire Coth Co., Audubon, N. J.
Aue Ferdinand Co., machsts., 401 E. 91st, New York.
Auer, C. A., leather, Corry, Pa.
Auer, F. E., cornices, 2528 Dodier, St. Louis, Mo.
Auer, John B., machsts., Trenton, N. J.
Auer, John, Jr., heavy hdwe., bolts, hinges, hooks, etc., 197 Middleton, Brooklyn, N. Y.
Auer Register Co., 403 Long av, N. W., Cleveland, Ohio.
Aufderheide, Fred, brick, New Ulm, Minn.
Aufrichtig, Alois, Copper & Iron Wks., 900 S. 3rd, St. Louis, Mo.
Aughenbaugh, B. A., carriages, Urbana, Ohio.
Aughinbaugh Canning Co., Fort av & Lawrence, Baltimore, Md.
Auginbaugh, H. C., masons' & bldrs.' matls., Wellsville, Ohio.
Auglaize Box Board Co., Saint Marys, Ohio.
Auglaize Cooperage & Lbr. Co., Minster, Ohio.
Auglaize Motor Car Co., New Bremen, Ohio.
Augmore Mfg. Co., gasoline & water heaters, stocks & dies, etc., 5407 Sweeney av, Cleveland, Ohio.
Augne Plow Co., Dayton, Ohio.
Augstein, S., & Co., gloves, sweaters, etc., 352 4th av, New York.
Augur, Chas. E., Co., contractors, 549 Elm, New Haven, Conn.
Augusta Bedding Co., hair mattresses, Augusta, Ga.
Augusta Broom Works, Augusta, Ga.
Augusta Factory, cotton duck & canvas, Augusta, Ga.
Augusta Hardware Co., Augusta, Ga.
Augusta Lbr. Co., Augusta, Me.
Augusta Milling Co., flour, Augusta, W. Va.
Augusta Milling & Mercantile Co., flour, Mossy Creek, Va.
Augusta Mutual Telephone Co., Augusta, Ill.
Augusta Stove Fdry., Augusta, Ky.
Augusta Trunk Factory, Augusta, Ga.
Augusta Veneer Co., Augusta, Ga.
Augusta Vitrified Shale Brick Co., Augusta, Ga.
Augustine Automatic Rotary Engine Co., Buffalo, N. Y.
Augustine, Charles, architect, Kenosha, Wis.
Augustine, T. C., boilers, St. Joseph, Mo.
Auld Co., pressure reducing valves, Thompson & 12th, Phila.
Auld & Conger Co., ldry tubs, slate mantels, roofing slate, 942 Prospect, Cleveland, Ohio.
Auld, Hampton, printing inks, 106 Verona av, Newark,
Aulds, J. F., Sons, carriages, Elberton, Ga.
Auler, Henry, architect, Oshkosh, Wis.
Auletta Constr. Co., 103 Park av, New York.
Aull Bros. Co., oyster & ice cream pails, paper pails, Dayto
Ault & Wiborg Co., printing inks, etc., Cincinnati, Ohio.
Ault Wooden Ware Co., Cincinnati, Ohio.
Aulson, J. W., & Son, tanning machy., Waukegan, Ill.
Aultman & Locke, advtg. signs, 488 Jefferson av, Milwa Wis.
Aultman, T. G., Steam Pump Wks., machsts. & fndrs., Fairm W. Va.
Aultman & Taylor Machinery Co., agricultural implem Mansfield, Ohio.
Aumen Machy. Co., dir., 109 E. Lombard, Baltimore, Md.
Aumond Stump Machine Co., stump pullers, Cedar Springs,
Aurentz, Raymond J., architect, 1206 Hugh, Fort Wayne,
Aurora Brick Wks., Aurora, Ill.
Aurora Coffin Co., Aurora, Ind.
Aurora Cornice Wks., Aurora, Ill.
Aurora Cotton Mills, flannels, Burlington, N. C.
Aurora Cotton Mills Co., sheetings, Aurora, Ill.
Aurora Door Hanger & Spec. Co., Aurora, Ill.
Aurora Fdry. Co., Aurora, Ill.
Aurora Mantle & Lamp Co., Aurora, Ill.
Aurora Metal Co., machsts. & fndrs., Aurora, Ill.
Aurora Milling Co., flour, Aurora, Mo.
Aurora Steel Products Co., junction boxes, Aurora, Ill.
Aurora Steel Tank Co., see Steel Tank & Products Corp. cessor).
Aurora Tool Wks., Aurora, Ind.
Ausable-Essex Horse Nail Co., Keeseville, N. Y.
Ausfeld, Fred'k, architect, Bell Bldg., Montgomery, Ala.
Ausmus, W. Mc., Co., flour mills, La Follette, Tenn.
Austell Swing & Ladder Co., Austell, Ga.
Austin, A. H., contractor, Webster City, Ia.
Austin Adding Machine Co., Baltimore, Md.
Austin Automobile Co., Grand Rapids, Mich.
Austin Bros., contractors, Atlanta, Ga.
Austin Bros., steel structural wk., Dallas, Tex.
Austin Bros., masons' & bldrs.' matls. & whol. hwde., Sto Cal.
Austin Cambridge Co., ammunition, Cleveland, Ohio.
Austin Canning Co., Austin, Ind.
Austin Co., contrs., 14230 Euclid av, Cleveland, Ohio.
Austin Const. Co., Matthews Bldg., Milwaukee, Wis.
Austin Dog Bread & Animal Food Co., Chelsea, Mass.
Austin & Doten, wholesale hardware, 102 North, Boston, M
Austin & Eddy, bldrs. hdwe. & machy., 117 Broad, Boston,
Austin, Ennis, architects, J. M. S. Bldg., South Bend, Ind
Austin, F. A., Pattern Co., Syracuse, N. Y.
Austin Machinery Corporation, contrs. & drainage machy., way Exchange bldg, Chicago, Ill.
*See adv index at end of book.*
Austin Fdy. Co., Austin, Minn.
Austin, Frank, Co., lbr., Mendon, Mich.
Austin, Frank Lyman, architect, Burlington, Vt.
Austin, Frank W., contractors, Yonkers, N. Y.
Austin, G. W., & Co., soil pipe plugs, etc., 132 High, Bo Mass.
Austin, Hall, Hdwe. Co., Brownwood, Tex.
Austin, H. N., architect, Jackson, Miss.
Austin Hdwe. Co., Terre Haute, Ind.
Austin, J. C., architect, 412 W. 6th, Los Angeles, Cal.
Austin, John, & Sons, smelter & refiner, 74 Clifford, Provid R. I.
Austin Kelly Ink Co., printing inks, 570 Franklin, Detroit,
Austin, M. B. & Co., conduit bendors & junction boxes. 7 Jackson blvd., Chicago, Ill.
Austin, M. E., & Co., mill & facty. supplies, Lawrence, Ma
Austin Mach. Wks., 1821 N. 5th, Philadelphia, Pa.
Austin, Mason & Co., packing mfrs., 15 Park Row, New
Austin Mfg. Co., machsts., 910 S. Michigan av Chicago,
Austin Mill & Grain Co., flour, Brownwood, Tex.
Austin Oil Mfg. Co., meal, Austin, Tex.
Austin Organ Co., pipe organ mfrs., 158 Woodland, Har Conn.
Austin Powder Co., explosives, 1229 Rockefeller Bldg., land, Ohio.
Austin, W. D., architect, 50 Bromfield, Boston, Mass.
Austin, W. E., Machy. Co., concrete mixers, carts & diaph pumps, Atlanta, Ga.
Austin, W. H., architect, Long Beach, Cal.
Austin-Warren Co., whip mfrs., Westfield, Mass.
Austin Welding Works, special welding, 555 N. Quincy, Chi Ill.
Austin-Western Road Machinery Co., 910 S. Michigan, av, cago, Ill.
Austin White Lime Co., Austin, Tex.

tin, Wm. E., architect, 46 W. 24th, New York.
uga Oil & Fertilizer Co., Prattville, Ala.
1 Elec'l Specialty Co., annunciators, Ansonia, Conn.
1 Elec'l Spec. Co., 422 E. 53d, New York.
). Accessories Co., see No-Leak & Piston Ring Co. (successors).
). Aero Sheet Metal Wks., cornices, New Haven, Conn.
1 Bed Co., Bellingham, Wash.
). Body Co., Lansing, Mich.
). Brass Mfg. Co., 56 Friendship, Providence, R. I.
). Compressor Co., Wilmington, Ohio.
). Crankshaft Co., Jackson, Mich.
). Engine Wks., University & Griggs, St. Paul, Minn.
). Equipment Co., compounds, valve grinding, East Orange, N. J.
). Equipment Co., spark plugs, Detroit, Mich.
)-Fedan Hay Press Co., 1603 Wyoming, Kansas City, Mo.
). Fender & Radiator Wks., 1140 Geary, San Francisco, Cal.
). Kamp Equipment Co., Saginaw, Mich.
). Lamp & Radiator Co., auto. fenders, 1614 Prospect, Cleveland, Ohio.
). Marine Engine Wks., machsts & fndrs., Tacoma, Wash.
). Oil Co., Jackson, Mich.
). Parts Co., oil gauges, 702 Eddy, Providence, R. I.
. Ped Co. of Am., Thompson av. & Orton, L. I. City, N. Y.
). Plating & Mfg. Co., Cleveland, Ohio.
). Pneumatic Action Co., 627 W. 50th, New York.
). Remodeling Co., auto. wood bodies, 1505 S. Michigan av, Chicago, Ill.
Sales Gum & Chocolate Co., see Autosales Corp. (successor).
). Spec. Mfg. Co., Joliet, Ill.
). Specialties Co., auto. wind shields, E. E. Jenkins Arcade, Pittsburgh, Pa.
). Steve Works, New Athens, Ill.
). Strop Safety Razor Co., 345 5th av, New York.
. Supply Co., see Lurie, John, Inc. (successor).
Supply Co., spark plugs, 1335 Mich. av, Chicago, Ill.
1 Supply Mfg. Co., fire alarms, 220 Taaffe pl, Brooklyn, N. Y.
1 Tire Exchange, auto accessories & tire vulcanizers, Burlington, N. C.
1 Tire Vulcanizing Co., Lowell, Mass.
1 Top Mfg. Co., 425 Golden Gate av, San Francisco, Cal.
1 Vacuum Freezer Co., 25 W. B'way, New York.
1 Wheel Co., Lansing, Mich.
. Wheel Coaster Co., Inc., formerly Buffalo Sled Co., North Tonawanda, N. Y.
1call Co., fire alarms, etc., Shelby, Ohio.
1car Co., automobile bldrs., Ardmore, Pa.
1coil Co., 136 7th av, Jersey City, N. J.
1filler Pen Co., Toledo, Ohio.
1force Ventg. System, 53 Devonshire, Boston, Mass.
1genous Welding Equipment Co., see Cane Welding & Mfg. Co. (successor).
1graphic Register Co., machsts., Hoboken, N. J.
1graphic Register Co. of San Francisco, 38 Clementina, San Francisco, Cal.
ine Lumber Co. (Ltd.), Jonesboro, La.
matic Adding Machine Co., adding machines, 148 Duane, New York.
matic Appliance Co., annunciators, machy. bells, etc., 172 Columbus av, Boston, Mass.
matic Bookkeeping Register Co., S. E. Cor. 18th & Wyandotte, Kansas City, Mo.
matic Box Machy. Concern, 270 Congress, Boston, Mass.
matic Buffing Mach. Co., lathes, Buffalo, N. Y.
matic Button Co., Muscatine, Ia.
matic Cable Clamp Co., Donora, Pa.
matic Call & Advg. Clock Co., advtg. spec., Portland, Ore.
matic Carrier Co., Juneau, Wis.
matic Chemical Closet Co., 1417 Wash av, N., Minneapolis, Minn.
matic Coin Wrapping Mach. Co., 80 Greenwich, New York.
matic Cradle Mfg. Co., Stevens Point, Wis.
matic Disinfectant Co., Box 252, Memphis, Tenn.
matic Door Catch Co., Harvey, Ill.
matic Elec. Co., tele. condensers & apparatus, 1001 W. Van Buren, Chicago, Ill.
matic Electric Pump Co., Davenport, Ia.
matic Electric Sterilizer Co., Hamilton, O.
matic Electric Washer Co., Newton, Ia.
matic Electric Welder Co., welding mach. mfrs., 618 W. Jackson blvd, Chicago, Ill.
matic Engraving & Mfg. Co., Inc., mchst., 2033 5th av, New York.
matic Enunciator Co., hospital signals, 1001 W. Van Buren, Chicago, Ill.
matic Faucet & Spigot Co., Saginaw, Mich.
matic File & Index Co., filing cabinets & devices, Green Bay, Wis.
matic Fire Alarm Co., Bradford, Pa.
matic Fire Alarm Co., 416 B'way, New York.
matic Furnace Co., 1st & Harshman, Dayton, Ohio.
matic Light Co., elec. light plants, Ludington, Mich.
matic Lock Cover Corp., 48 E. 12th, New York.

Automatic Machine Co., Bridgeport, Conn.
Automatic Mach. Co., 497 5th, San Francisco, Cal.
Automatic Mach. & Tool Co., 210 N. Ann, Chicago, Ill.
Automatic Metal Products Co., nuts, Springfield, Ohio.
Automatic Packing & Labeling Co., packing machines, 5520 2d av, Brooklyn, N. Y.
Automatic Pencil Sharpener Co., 58 E. Washington, Chicago, Ill.
Automatic Pivot Gate Co., see Guth Gate Co. (successor).
Automatic Products Co., screw machine, 1145 W. Grand Blvd., Detroit, Mich.
Automatic Racking Mach. Co., Ft. 28th, Chicago, Ill.
Automatic Re-closing Circuit Breaker Co., 38 N. Water, Columbus, Ohio.
Automatic Refrigerating Co., mchsts. & fndrs., Hartford, Conn.
Auto. Registering Mach. Corp., voting machs., Jamestown, N. Y.
Automatic Rotary Pump Co., Bible House, New York.
Automatic Sash Holder Mfg. Co., 30 Church, New York.
Automatic Saw Guide & Mach. Co., Irwin, Pa.
Automatic Screw Machine Products Co., 416 W. Grand av, Chicago, Ill.
Automatic Sealing Vault Co., burial cases, Peru, Ind.
Automatic Sprinkler Co., automatic sprinkler mfrs., 123 William, New York.
Automatic Stamping & Machine Co., mchsts. & fdrs., 7803 Madison, Cleveland, Ohio.
Automatic Steam Trap & Spec. Co., 316 Harper av, Detroit, Mich., & 2707 Vestry av, Cleveland, Ohio.
Automatic Switch Co., 4 White, New York.
Automatic Target Mach. Co., 203 Fulton, New York.
Automatic Tile Mach. Co., Cincinnati, Ohio.
**AUTOMATIC TIME STAMP CO.** (automatic time recording & computing machines for all divisions of time & for all purposes, 159 Congress, Boston, Mass.
Automatic Transportation Co., 2933 Main, Buffalo, N. Y.
Automatic Trolley Guard Co., 65 Carroll, Buffalo, N. Y.
Automatic Vacuum Pump Co., vacuum htg., 1901 S. Western av, Chicago, Ill.
Automatic Vent. Co., 2 Rector, New York.
Automatic Weighing Mach. Co., 138 Commerce, Newark, N. J.
Automatic Wire Goods Mfg. Co., 13-15 Canal Place, New York.
*See adv index at end of book.*
Automatic Woven Wire Supply Co., Mangin & Delancey, New York.
Automobile Blue Book Publishing Co., The, trade publication, 243 W. 39th, New York.
Automobile Const. & Engng. Co., piston rings, 3325 Chestnut, Philadelphia, Pa.
Automobile Dealer & Repairer Co., 71 Murray, New York.
Automobile Journal Publishing Co., Pawtucket, R. I.
Automobile Mfg. & Eng. Co., Fort Wayne, Ind.
Automatic Parts Co., radiator cooling fans, 1509 Bates, Indianapolis, Ind.
Automobile Screw Products Co., E. 152nd & N. P. R. R., Cleveland, O.
Automobile Supply Mfg. Co., fire alarms, 80 B'way, Brooklyn, N. Y.
Automobile Topics, trade publication, 1790 B'way, New York.
Automobile Trade Journal, Market & 49th, Phila., Pa.
Automotive Industries, trade journal, 239 W. 39th, New York.
Automotive Mfr., trade publications, 55 Duane, New York.
Autoparts Mfg. Co., Trombly & Orleans, Detroit, Mich.
Autophone Co., mechl. organs, Ithaca, N. Y.
Autopiano Co., 653 W. 51st, New York.
Autopress Co., printing presses & machy., 95 Madison av, New York.
Autosales Corp., 96 Spring, New York.
Autotone Player Piano Co., 542 W. 52d, New York.
Autoyre Co., wire goods & metal novelties, Oakville, Conn.
Autrey, D. A. & Son, lumber, Autreyville, Ga.
Auxer, A. J., contractor, Lancaster, Pa.
Auxiliary Fire Alarm Co., 144 Oliver, Boston, Mass.
Available Truck Co., 1539 N. Kilpatrick, Chicago, Ill.
Avalon Knitwear Co., sweaters, etc., Utica, N. Y.
Averbeck, M. J., silver novelties, 10 maiden la, New York.
Averill, A. H., Mchy. Co., mill & facty. supplies, Spokane, Wash.
Averill, F. L., engineer, Library of Congress, Washington, D. C.
Averill Paint Co., 240 Plymouth, Brooklyn, N. Y.
Avery, A. M., wholesale hardware, mill & factory supplies, Pensacola, Fla.
Avery, B. F. & Sons, agricultural implements, Louisville, Ky.
Avery Chemical Co., 88 Broad, Boston, Mass.
Avery Co., mill & facty. supplies, Atlanta, Ga., and Portland, Ore.
Avery & Co., motor, farming, threshing & road bldg. machy., motor trucks, Peoria, Ill.
Avery Drilling Machine Co., Cincinnati, O.
Avery, Frank F., mattresses, Framingham, Mass.
Avery, Geo. F., contrs., Oneida, N. Y.
Avery Lester, Clearwater, Fla.
Avery, M. E., Co., mill & facty. supplies, Watertown, N. Y.
Avery, Philip S., architect, 95 Milk, Boston, Mass.
Avery Rock Salt Mining Co., Scranton, Pa.
Avery & Saul, sheet metal dealers, 207 Dorchester av, Boston, Mass.
Avery, Walter B., contractor, 632 G., NW., Washington, D. C.
Avery, Wm., contr., Waldron, Ind.
Avery's, F. P., Sons, mchsts. & fndrs., Tukhannock, Pa.

Avis, A. B., see Avis Hardware Co. (successors).
Avis Hardware Co., fly traps, Pomona, Cal.
Avis Milling Co., buckwheat flour, Waldron, Mich.
Avis, S. R. & Sons, gun barrels, 198 Brown, New Haven, Conn.
Aviston Condensed Milk Co., Aviston, Ill.
Avlor Bros., flour mills, Culpeper, Va.
Avoca Mfg. Co., bobbins, spools, wire reels, Avoca, N. Y.
Avoca Wheel Co., Avoca, N. Y.
Avon Milling & Mfg. Co., flour, Avon, Ill.
Avon Mills, cotton sheeting, Gastonia, N. C.
Avon Mills Co., cotton damasks & towels, Lewiston, Me.
Avondale Mills, sheetings, Birmingham, Ala.
Avondale Sash & Door Co., 3515 Belmont av, Chicago, Ill.
Avondale Shingle Co., Stanwood, Wash.
Avondale Stove & Fdry. Co., Birmingham, Ala.
A. & W. Electric Sign Co., W. 3rd & Prospect av, Cleveland, O.
Awsumb, Geo., architect, 108 S. La Salle, Chicago, Ill.
Axelson Machine Co., Boyle av & Huntington Park, Los Angeles, Cal.
Axtell Co., mill & facty. supplies, Fort Worth, Tex.
Axtell, Lewis D., elec. contr., Springdale, Conn.
Axtheim Mfg. Co., blind fasteners, 242 3d av, Pittsburgh, Pa.
Axthelm, August W., cornices, 1604 Tower Grove av, St. Louis, Mo.
Axwell Equipment Co., spark plugs, 208 Wood, Pittsburgh, Pa.
Ayars, Clinton B., Canning Co., Bridgeton, N. J.
Ayars Mach. Co., Salem, N. J.
Ayer, Fred. H., Mfg. Co., machsts., Chicago Heights, Ill.
Ayer & Lord Tie Co., creosoting wks., ties, poles & posts, etc., 80 E. Jackson blvd, Chicago, Ill.
Ayer-McCarel, Reagan Clay Co., Brazil, Ind.
Ayers, C. E., mach. & fdr., Rockford, Ia.
Ayers-Cihlar-Ransom Co., bank fixtures, 726 S. Desplaines, Chicago, Ill.
Ayers, J. R., agricultural implements, Petersburg, Va.
Ayers, Jno. W. & Son, machsts., 88 Walker, New York.
Ayers Mineral Co., sand-clay, Zanesville, Ohio.
Ayers-Witmer Lumber Co., mfrs. interior hardwood wk., Niagara Falls, N. Y.
Ayes & Co., machsts, 1812 Ellen, Chicago, Ill.
Aykroyd Iron Works, Inc., structural steel & ornamental iron work, 564 W. Boyleston, Worcester, Mass.
Ayling & Reichert Co., copper floats, Toledo, Ohio.
Aylward Sons Co., mchsts. & fdrs., Neenah, Wis.
Aylward, R. C., cornices, Peoria, Ill.
Ayrdale Coal Co., 601 Trac. Term., Indianapolis, Ind.
Ayres, Altee B., architect, Bedell Bldg., San Antonio, Tex.
Ayres, Bridges & Co., cotton waste, bristles, wax, oils, etc., 200 Summer, Boston, Mass.
Ayres, C. M., architect, Tuscaloosa, Ala.
Ayres, J. F., fertilizer mfrs., Alloway, N. J.
Ayres, John T., carriages, Elmira, N. Y.
Ayres, Louis, architect, 50 E. 41st, New York.
Ayres, Wm. & Sons, carriage robes, 3d & Cumberland, Phila., Pa.
Aywon Toy & Novelty Corp., 494 B'way, New York.
Azadian Gauge Mfg. Co., Eastwood, N. Y.
A-Z Co., auto metal bodies, tanks, seats, radiators, etc., 527 W. 56th, New York.
B. L. P. Sales Co., sash locks, Charlestown, Mass.
Baab Bros., brick, Dover, Ohio.
Baab, Frank, wholesale hardware, Wilkes-Barre, Pa.
Baack, Fred W., architect, 11 Miller bldg, Cincinnati, Ohio.
Baars, H., & Co., lumber, Pensacola, Fla.
Babb, C. H., & Co., steam fitters' supplies, Bangor, Me.
Babb Mill Co., flour mills, Afton, Tenn.
Babbitt, B. B., contractor, 4 Hamilton pk, New Brighton, N. Y.
Babbitt, B. T., Inc., soap, metal polish, glycerine, etc., 15 W. 34th, New York.
Babbitt Bros., tex. machy. supplies (loom crank shafts), Fairhaven, Mass.
Babbitt, Chas. E., machsts. & fndrs., Portland, Me.
Babbitt, Edw. F., architect, Hayden bldg, Columbus, Ohio.
Babbitt, James P., taxidermists' supplies, Taunton, Mass.
Babbitt, L. L., wire, Clayville, N. Y.
**BABBITT STEAM SPECIALTY CO.**, adjustable sprocket rim mfrs., New Bedford, Mass. *See adv index at end of book.*
Babcock, Alex. L., contractor, Freeport, Ill.
Babcock Bros. Lumber Co., Frick Bldg., Pittsburgh, Pa.
Babcock, C., & Co., contractors, 36 Beverly, Boston, Mass.
Babcock Coal & Coke Co., Pittsburgh, Pa.
Babcock, Davis Corp., iron & steel work, 474 Dorchester av, Boston, Mass.
Babcock, Hinds & Underwood, hardware merch., 174 Washington, Binghamton, N. Y.
Babcock, H. H., Co., auto bldrs. & motor trucks, Watertown, N. Y.
Babcock, Jno., & Co., size & varnishes, Allston, Boston, Mass.
Babcock, John D. (Est. of), 401 S. Clinton, Syracuse, N. Y.
Babcock, L. H., architect, Bartlesville, Okla.
Babcock Lumber Co., Sedalia, Mo., and Frick Bldg., Pittsb'gh, Pa.
Babcock Lumber & Land Co., Maryville, Tenn.
Babcock Mfg. Co., agricultural implements, Leonardsville, N. Y.
Babcock, Milton, architect, Milton, Mass.
Babcock & Penton, naval architects, Penton Bldg., Cleveland Ohio, and 120 B'way, New York.
Babcock Printing Press Mfg. Co., New London, Conn.



Babcock Varnish Co., 144 High, Boston, Mass.
Babcock, W. W., Co., churns, ladders, Bath, N. Y.
Babcock & Wilcox, stone producers, Kasota, Minn.
Babcock & Wilcox Co., mechanical stokers, boilers, etc., 85 ... erty, New York.
Babe, Jas., contractor, Chester, Pa.
Babin, A., architect, Beaumont, Tex.
Babois Lumber Co., Bonifay, Fla.
Babue, F. X., & Sons, contractors, Sioux City, Ia.
Babson, Dow Mfg. Co., machsts. & fndrs., screws, etc., 60 Pu... Boston, Mass.
Babyeat Mfg. Co., mattresses, Mansfield, Ohio.
Baccich & de Montluzin, 306 Baronne, New Orleans, La.
Bach Brick Co., 2647 Montrose av, Chicago, Ill.
Bach, J. O., architect, Superior, Wis.
Bach, M. W., & Co., horse collars, Ottawa, Ill.
Bacharach Industrial Instrument Co., indicators, meters, etc.... Wood, Pittsburgh, Pa.
Bache, Arthur J., contractor, 1225 11th, N. W., Washing... D. C.
Bache, Semon, & Co., polished plate glass, 636 Greenwich, ... York.
Bachelder & Co., bungs, plugs, taps, etc., 234 Mt. Vernon, ... ell, Mass.
Bachelder, A., & Co., wooden plugs, 234 Mt. Vernon, Lo... Mass.
Bachelor Brick & Tile Co., Angola, Ind.
Bachler, C. F., htg. contrs., 152 N. 6th, Philadelphia, Pa.
Bachman, Adam, stone producer, 16 S. 22d, Pittsburgh, Pa...
Bachman, C. A., cornices, Newton, Kans.
Bachman, Conrad, sashes, doors & blinds, Vermillion, Ohio.
Bachman, F. M., Co., lbr. mfrs., Madison av. c. Lincoln, In... apolis, Ind.
Bachman, R. K., & Bro., sash, door & blind mfrs., Phillipsb... N. J.
Bachman-Veghte Co., masons' & bldrs.' matls., Roselle Park, ...
Bachmann Bros., heaters, La Porte, Ind.
Bachmann Bros., celluloid combs, 609 Commerce, Phila., ...
Bachmann, Geo., contractor, Camden, N. J.
Bachmann, Geo. J., architect, Flint, Mich.
Bachmann, J., & Co., belting, 16 Reade, New York.
Bachmeier & Co., aniline colors & dyestuffs, 438 W. 37th, ... York.
Bachrach & Co., advtg. signs, 577 Market, San Francisco, ...
Backbone Coal Co., McAlester, Okla.
Backer Machine Tool Supply Co., 39 Cortlandt, New York.
Backes, M., Sons, torpedoes, Wallingford, Conn.
Backman Sheet Metal Wks., Des Moines, Iowa.
Backstay Machine & Leather Co., Union City, Ind.
Backus, A., Jr., & Son, packing box mfrs., 393 Lafayette, ... troit, Mich
Backus, Albert, & Co., stone, Irvington, N. J.
Backus-Brooks Co., lumber mfrs., Bldrs.' Exchange, Minneap... Minn.
Backus Corp., see Backus Heater & Foundry (successor).
Backus Heater & Fdry Co., Inc., 63 Canal, Boston, Mass.
Backus Novelty Co., coat hooks, Smithport, Pa.
Backus, Peter B., heating contractor, Wilkes-Barre, Pa.
Backus & Sholes, common brick, Hampshire, Ill.
Backus Water Motor Co., gas engines, water motors, etc., ... Penn av, Newark, N. J.
Bacon, A. S., & Sons, lumber, Savannah, Ga.
Bacon Bros., sheet metal work, Middletown, Conn.
Bacon, Chas. E., architect, Odd Fellow bldg, Indianapolis, In...
Bacon & Co., crates, ladders, etc., Gasport, N. Y.
Bacon & Co., steel structural dlrs., 107 Oliver, Boston, Ma...
Bacon, Earle C., Inc., machy. dlrs., 26 Cortlandt, New Yor...
Bacon, Ed. R., Co., contractors, tools & supplies, 942 E. ... Los Angeles, Cal.
Bacon Felt Co., felt wheels & mechanical felt mfrs., Winch... Mass.
Bacon, H., architect, 101 Park av, New York
Bacon Heater & Mfg. Co., 2622 Franklin av, Cleveland, O...
Bacon, J. Earl, architect, 25 E. Jackson blvd, Chicago, Ill.
Bacon, John F., architect, 475 5th av, New York.
Bacon, Lewis H., architect, 120 Boylston, Boston, Mass.
Bacon Mfg. Co., agricultural implements, Pontiac, Mich.
Bacon Milling Co., flour, Maysville, Ga.
Bacon-Taplin Co., machy. dlrs., Springfield, Mass.
Bacterial Sewage Purification Co., 2 Wall, New York.
Badenhausen Co., boilers & engines, Rialto Bldg., San Fran... Cal.
Badenhausen Co., water tube boilers, 1429 Chestnut, P...
Bader, Daniel S., contractor, 1345 Arch, Philadelphia, Pa.
Bader & Huebner, stone producers, Johnstown, Pa.
Bader, J. A., Co., contractor, Wilmington, Del.
Bader, John, Lumber Co., 2020 Clybourne av, Chicago, Ill.
Badger Auto. Body Co., 209 Hanover, Milwaukee, Wis.
Badger & Badger, lbr. mfrs., Toledo, Wash.
Badger Bag & Paper Co., 3737 S. Ashland av, Chicago, Ill.... Wausau, Wis.
Badger Belt & Rubber Co., mill & facty. supplies, Milwa... Wis.
Badger Box & Lumber Co., Grand Rapids, Wis.
Badger Brass Mfg. Co., see Hall, C. M., Lamp Co. (succes...

er Calendar Co., advtg. novelties, 790 Buffum, Milwaukee, Wis.
er Canning Co., Beaver Dam, Wis.
er Chemical Mfg. Co., fire extinguishers, 221 Grand, Milwaukee, Wis.
er Concrete Mixer Co., First Nat. Bk. Bldg., Milwaukee, Wis.
er Construction Co., Ry. Exch. Bldg., Milwaukee, Wis.
er, E. B., & Sons Co., plants, stills, evaporators, etc., 75a Pitts, Boston, Mass. *See adv index at end of book.*
er Fire Extinguisher Co., 34 Portland, Boston, Mass.
er Fdry Co., Racine, Wis.
er, Franklin L., machst. & fndr., East Concord, N. H.
er Furnace Co., machsts., Appleton, Wis.
er Gas & Gasoline Engine Co., power transmitting & wood sawing machy., Kansas City, Kan.
er Handle Co., halters, straps, belts, etc., 415 3rd, Milwaukee, Wis.
er Lbr. Co., 2401 E. 15th, Kansas City, Mo., and Tigerton, Wis., & Senino, Wash.
er Malleable & Mfg. Co., malleable iron castings & specialties, South Milwaukee, Wis.
er Mfg. Corp., automobile bumpers, steering wheels, etc., 313-317 Milwaukee, Milwaukee, Wis.
er Meter Mfg. Co., water meters, 841 30th, Milwaukee, Wis.
er Nail Co., 159 Muskego av, Milwaukee, Wis.
er-Packard Machy. Co., 133 W. Water, Milwaukee, Wis.
er Sash & Door Co., 594 Island av, Milwaukee, Wis.
er State Machine Co., Janesville, Wis.
er State Tanning Co., harness leather, Sheboygan, Wis.
er Steel Roofing & Corrugating Co., cornices & skylights, La Crosse, Wis.
er Tool Co., grinding machy., Beloit, Wis.
er Tool & Forge Co., cold forgings, cold & cape chisels, 707 Nebraska, Oshkosh, Wis.
er Wire & Iron Works, 25th av & Cleveland, Milwaukee, Wis.
lin, Henry, architect, 665 Broad, Newark, N. J.
t Wall Paper Co., 233 37th, Brooklyn, N. Y.
er, Adamson & Co., paper & pulp mills & glue mfrs., Richmond & Allegheny, Philadelphia, Pa.
er, J. L., elec. & gas light fixtures, 2849 Webster av, New York.
er, Louis, architect, Securities bldg., Seattle, Wash.
ker, F., elec. light fixture mfrs., 2531 Milwaukee av, Chicago, Ill.
ding, H., brick, Schleisingerville, Wis.
ker, H. H., Motor Plow Co., St. Charles, Mo.
A. S., & Son, beer coolers, 106 Wall, New York.
Bros., gold, silver & aluminum leaf, enamels, etc., 438 W 7th, New York.
H., Co., contractors, 842 S. 19th, Newark, N. J.
Herbert M., architect, 101 Park av, New York.
R. P., & Co., lumber mfrs., Md. Casualty Tower, Balto., Md.
esen, V. E., architect, Cham. Comm. bldg., Denver, Colo.
esen & Wieger, architects, Cheyenne, Wyo.
l Anti-Slip Cement Co., 97 Water, New York.
man, G. H., Mfg. Co., lbr., Rib Falls, Wis.
erle & Morris, condensers, evaporators, distilling app., etc., 932 N. Front, Philadelphia, Pa.
r Furniture Co., desk mfrs., Eastern av & Exeter, Baltimore, Md.
ad Land & Lumber Co., Bagdad, Fla.
. Egbert, architect, Clarendon Bldg., Utica, N. Y.
ot, E., Co., drainage systems, elec. light fixtures, 21 E. Lake, Chicago, Ill.
y, Abraham, architect, Berne, Ind.
y Canning Co., Talent, Ore.
y Grader Co., railroad, reservoir graders, Tacoma, Wash.
y & Sewell Co., machsts. & fndrs., Watertown, N. Y.
ell, Jas. F., architect, 93 W. 8th, Bayonne, N. J.
ell Timber Co., Title Guaranty Bldg., St. Louis, Mo.
law & Field, machsts., 145 N. 5th, Philadelphia, Pa.
law, W. H., Co., textile machy., Lowell, Mass.
es Freres Co., elec. & gas light fixtures, 705 5th av, New York.
ell Mfg. Co., carriages, Gainesville, Ga.
Edw., sash, door & blind mfrs., 2340 Nelson, Chicago, Ill.
lann Iron Works Co., plantation machinery, Cincinnati, Ohio.
. Henry W., willow ware mfrs., Liverpool, N. Y.
, John & Sons, Liverpool, N. Y.
. Walter D., & Co., masons' & bldrs. matls., New Freedom, Pa.
er, Geo., masons' & bldrs. matls., New Boston, Ohio.
Bros. Mfg. Co., machsts. & fndrs., Marion, Ind.
Chas., contractor, Verona, N. J.
Demijohn Co., 901 Grand, Brooklyn, N. Y.
Bros. Mfg. Co., poultry fountains, Cissna Park, Ill.
& Conrad, cornices, 336 Hunterdon, Newark, N. J.
y & Alling Lbr. Co., Ft. Clay, Newark, N. J.
y & Bailey, architects, Lawrence Bldg., Okla. City, Okla.
y & Blendinger Mfg. Co., knives, Woburn, Mass.
y & Bowne, auto. wood bodies, Utica, N. Y.
y-Burruss Mfg. Co., mill & factory supp. & oil mill machy., Atlanta, Ga.
y, C., & Co., wagon spokes, Elimsport, Pa.

Bailey, C. J., & Co., rubber gds., druggists' & surgical, 22 Boylston, Boston, Mass.
Bailey, C. M. & Co., meat packers, 99 S. Orange av, Newark, N. J.
Bailey, C. T. & Co., glue mfrs., 123 W. Kinzie, Chicago, Ill.
Bailey, C. W., & Son, carriages, Windsor, Va.
Bailey, Chas. A., granite, Suncook, N. H.
Bailey, Chas. J., architect, Bank, Waterbury, Conn.
Bailey & Co., storage battery trucks, Amesbury, Mass.
Bailey, E., & Sons, masons' & bldrs. matls., Patchogue, N. Y.
Bailey, E. M., & Son, agricultural implements, Leraysville, Pa.
Bailey Elmer Smith, architect, 33 Cornhill, Boston, Mass.
Bailey Engine Co., machsts, Lima, N. Y.
Bailey, F. O., Carriage Co., Portland, Me.
Bailey, F. T., & Co., sink legs, North Scituate, Mass.
Bailey-Farrell Mfg. Co., plumbers' supplies, jobbers, 3d av & Ross Ptg., Pa.
Bailey, Fred T., & Co., portable benches, North Scituate, Mass.
Bailey, G. E., & Sons, oven bldrs., Mansfield, Mass.
Bailey, G. W., Co., auto, binding & gimps, shoe knives, Brockton, Mass.
Bailey, Geo. D. Co., thrustball bearing, 4500 Ravenwood av, Chicago, Ill.
Bailey, Geo. P., & Son, stencils, Rochester, N. Y.
Bailey, J. Barnes, canned goods, Forest Hill, Md.
Bailey, J. W., & Co., masons' & bldrs. matls., Anderson, Ind.
Bailey, John T. Co., cordage & twine mfrs., 19th & Washington, Philadelphia, Pa.
Bailey Knitting Mills, sweaters, etc., Fort Plain, N. Y.
Bailey & Koerner, contractors, Louisville, Ky.
Bailey, L. R., & Co., architects, N. W. Bank Bldg., Portland, Ore.
Bailey & Lambert, contractors, Walla Walla, Wash.
Bailey-Lebby Co., mill & facty. supplies, Charleston, S. C.
Bailey Lbr. Co., box shooks, Suncook, N. H.
Bailey-Lush Co., contractors, 201 N. Broad, Philadelphia, Pa.
Bailey, M. A., masons & bldrs. matls. Northampton, Mass.
Bailey Mach. Co., Hilderbran, N. C.
Bailey Mfg. Co., copying presses, Berlin, Conn.
Bailey-Marsh Co., contractors, Metropolitan Life Bldg., Minneapolis, Minn.
Bailey Meter Co., recording meters mfrs., 2017 E 46th, Cleveland, O., and 139-141 Milk, Boston, Mass.
Bailey, Myron C., contractor, Northampton, Mass.
Bailey, Oscar L., & Co., knitted gloves & mittens, Everett, Mass.
Bailey Piano Co., Whitlock & Leggett avs, New York.
Bailey, R. A., architect, 47 Hendricks, Detroit, Mich.
Bailey, R., & Son, contractors, 18 Lackman av, Mariners Harbor, N. Y.
Bailey Reflector Co., show case, 617 2nd, Pittsburgh, Pa.
Bailey-Reynolds Chandelier Co., Kansas City, Mo.
Bailey, Robert M., architect, 15 Beacon, Boston, Mass.
Bailey Spencer Hardware Co., Lynchburg, Va.
Bailey, W. A., masons' & bldrs. matls., Northampton, Mass.
Bailey, W. C., contractor, Omaha, Neb.
Bailey, W. J., Co., masons' & bldrs. matls. San Diego, Cal.
Bailey, W. T., & Co., cornices & skylights, Concord, N. H.
Bailey Wall Paper Co., 1915 W. 96th, Cleveland, O.
Bailey & Weston, window shade mfrs., 81 Wash'n, Boston, Mass.
Bailey, Wm. D., Co., sash, door & blind mfrs., Matawan, N. J.
Bailey, Wm. J., & Co., machsts., 401 Mulberry, Newark, N. J.
Bailey, Wm. M., Co., contractors, 88 Broad, Boston, Mass.
Bailey, Wm. R., heating contrs., 96 Warren, New York.
Bailey's, C. M., Sons & Co., oil cloth mfrs., Winthrop, Me.
Bailie Basket Co., 82 Sudbury, Boston, Mass.
Baillard, E. V., Co., models & experimental wk., 24 Frankfort, New York.
Baillie Stone Co., The Arcade, Berlin Heights & Cleveland, O.
Bailor Plow Mfg. Co., Atchison, Kans.
Baily & Bassett, architects, 421 Chestnut, Philadelphia, Pa.
Baily Hardware Co., Pottstown, Pa.
Baily, Joshua L. & Co., cotton sheetings, 1508 Walnut, Philadelphia, Pa.
Baily, R. M., & Co., machinery dlrs., Commercial Trust Bldg., Philadelphia, Pa.
Bain Bros. Mfg. Co., dryers, seed corn, Cedar Rapids, Ia.
Bain & Co., fertilizer mfrs., Courtland, Va.
Bain, Fred B., advtg., Ins. Bldg., San Francisco, Cal.
Bain, H. H., Sheet Metal Works, Shreveport, La.
Bain, L. F., & Sons, fertilizer mfrs., Wakefield, Va.
Bain Wagon Co., wagon makers, Kenosha, Wis.
Bainbridge, Chas. J., advt. nov., Syracuse, N. Y.
Bainbridge Electrical Co., telephones & apparatus, 1613 Sansom, Philadelphia, Pa.
Bainbridge, Wm. M., brick, Rushville, Ind.
Bainbridge's, Chas. T., Sons, pads & tablets, 2 Cumberland, Brooklyn, N. Y.
Baine Lumber Co., Honey Dew, W. Va.
Bains, G. B., & Son, trunk mfrs., 1028 Chestnut, Phila., Pa.
Bair, Harry S., architect, Vandergrift Bldg., Pittsburgh, Pa.
Bair, M. N., architect, 1911 Derry, Harrisburg, Pa.
Baird, A. D., & Sons, stone prod., 667 Wythe av, B'klyn, N. Y.
Baird Bros. & Co., metal polish, bicycle & sewing machine oils, 1435 W. 10th, Cleveland, Ohio.
Baird, C. K., Co., searchlights, 24 E. 23rd, New York.
Baird Co., surgical & dental instruments, Plainfield, N. J.
Baird, D. W., Lumber Co., 1026 W. 22d, Chicago, Ill.
Baird, David, Co., lbr., ties, poles, etc., Camden, N. J.
Baird Equipment Co., see King Lock Co. (successor).

**Baird Hardware Co., Gainesville, Fla., and Charleston, W. Va.**
**Baird-Harper Lumber Co., Warland, Mont.**
Baird Harvester Co., Decatur, Ill.
**Baird, J. H. & Son, fertilzer mfrs., Marlboro, N. J.**
Baird Machine Co., badge pin m chy., etc., Bridgeport, Conn.
**Baird Mach. & Mfg. Co., 265 Jefferson av, Detroit, Mich.**
**Baird Motion Picture Machine Co., 24 E. 23d, New York.**
**Baird, Motion Picture Mach. Co., 31 Runyon, Newark, N. J.**
**Baird Pneumatic Tool Co., drills, Topeka, Kan.**
**Baird & Slinger, mchsts. & fdrs., Portage, Wis.**
**Baird, W. J., Machy. Co., dlrs., 265 E. Jefferson, Detroit, Mich**
**Baird's, S. L. M., Sons, masons' & bldrs.' matls., Evansville, Ind.**
**Bairstow, Frederick, stone producers, Waukegan, Ill.**
**Baitelman, Sam'l, carriages, 211 Wooster, New York.**
**Baitinger, Wm. F., crushed stone, 1486 Mack av, Detroit, Mich.**
**Baizley, John, Iron Wks., mchsts. & fndrs., 514 S. Del. av, Philadelphia, Pa.**
**Bajohr, Carl, Lightning Conductor Co., 4055 Keokuk, St. Louis, Mo.**
Bakeman, Geo. F., contractor, Benton Harbor, Mich
**Bakenridge Lbr. Co. (Ltd.), Springfield, La.**
**Baker, A. D., Co., agricultural implements, Swanton, Ohio.**
**Baker, A. F., Mach. Co., 135 Oliver, Boston, Mass.**
**Baker, A. T. & Co., plushes, Manayunk, Philadelphia, Pa.**
**Baker & Adamson Chemical Co., hydrofluoric acid, Easton, Pa.**
**Baker Advtg. Co., advtg. novelties, 428 Central Blk., Pueblo, Colo.**
Baker, Alfred, buttons, 79 Orange, Newark, N. J.
Baker, Alfred M., architect, 8520 Concord pl, St. Louis, Mo.
**Baker, Barron, Inc., contractors & road machy., 221 W. B'way, New York.**
**Baker-Bell Motor Co., 665 N. Broad, Philadelphia, Pa.**
**Baker, Benj., machsts., Oswego, N. Y.**
**Baker & Bennett Co., bob sleds, 873 B'way, New York.**
**Baker Box Co., Worcester, Mass.**
**Baker & Brinkley, contractors, Norfolk, Va.**
**Baker & Bro., carriages, Lexington, Ky.**
**Baker Bros., flour mills, Binghamton, N. Y.**
**Baker Bros., drilling, etc., machines, Toledo, Ohio.**
**Baker Bros. & Co., plate glass, 2 S. Gay, Baltimore, Md.**
**Baker Bros. Glass Co., Okmulgee, Okla.**
**Baker & Brown, fertilizer mfrs., Staunton, Va.**
**Baker-Brown Casket Co., Rochester, N. Y.**
**Baker Brush Co., 83 Grand, New York.**
**Baker, Carver & Morrell, mill & factory supplies, 39 Water, New York.**
**Baker, C. D., heating contrs., Raymond, Wash.**
**Baker, C. L., automobile bldrs., Norwalk, Conn.**
**Baker, C. O., canned goods, Fincastle, Va.**
**Baker, C. W. & Sons, canned goods, Aberdeen, Md.**
**Baker Castor Oil Co., 120 B'way, New York.**
**Baker, Cecil F., architect, 30 N. Michigan av, Chicago, Ill.**
**Baker, Cecil Frank, architect, University of Kansas, Kansas State Agri. College, Manhattan, Kan.**
**Baker, Charles, potteries, Rockville, Ind.**
**Baker, Chas. F., & Co., nails, 48 Lincoln, Boston, Mass.**
**Baker City Packing Co., meat, Baker, Ore.**
**Baker & Co., fertilizer mfrs., Winchester, Va.**
**Baker & Co., muffles, metal novelties & specialties, platinum sheet wire, etc., 54 Austin, Newark, N. J.**
**Baker, Cecil F., architect, 30 N. Michigan av, Chicago, Ill.**
**Baker-Dunbar-Allen Co., contractors, Citizens Bldg., Cleveland, O.**
**Baker, Edwin F., contractor, Warren, Pa.**
**Baker Elec. Co., massage vibrators, Hartford, Conn.**
**Baker, F. M., Apparatus Co., chemical & laboratory apparatus, Syracuse, N. Y.**
**Baker Fndry. & Mach. Co., Amesbury, Mass.**
**Baker, Frank L., architect, Portation Bldg., Seattle, Wash.**
**Baker, Frank S., architect, 133 W. Washington, Chicago, Ill.**
**Baker, Fred, brick, Wilson, Conn.**
**Baker, Fred K., Lumber Co., mfrs. & wholesalers, Everett, Wash.**
**Baker, G. D., ties, poles, etc., Washington C. H., Ohio**
**Baker, G. Harold, canned goods [illegible]n, Md.**
**Baker, G. W., Mach. Co., Wilmington, Del.**
**Baker, Geo. M., Co., platinum [illegible] Providence, R. I.**
**Baker, Geo. W., masons' & bldrs.' matls., Loami, Ill.**
**Baker Gun & Forging Co., Batavia, N. Y.**
**Baker, H. H., & Co., yacht sails, Buffalo, N. Y.**
**Baker, H. J., & Bro., sulphate of ammonia, potash, camphor, etc., 81 Fulton, New York.**
**Baker, H. P., & Co., wood handles, Columbia, Va.**
**Baker, H. W., masons' & bldrs.' matls., Berryville, Va.**
**Baker Hamilton & Pacific Co., whol, hdwe., etc., 7th & Townsend, San Francisco, Cal.**
**Baker, Harry F., landscape architect, 4629 Lake Harriet blvd Minneapolis, Minn.**
**Baker & Holmes Co., masons' & bldrs.' matls., Jacksonville, Fla**
**Baker, Hugh J., consulting sales engineer, Majestic Bldg., Indianapolis, Ind.**
**Baker Ice Mach. Co., Omaha, Neb.**
**Baker Iron Wks., 912 N. B'way, Los Angeles, Cal.**
**Baker, J. A., canned goods, East New Market, Md.**
**Baker, J. E., Co., stone producers, York, Pa.**
**Baker, J. Edw., architect, Manchester, N. H.**
**Baker, J. K., & Sons Co., gasoline torches, Kendallville, Ind.**



**Baker, J. T., Chemical Co., hydrobromic acid, Phillipsburg, N.**
**Baker, Jas. M., patterns & models, 114 W. Exchange, Providence, R. I.**
**Baker, Jas. B., architect, 156 5th av, New York.**
**Baker, Jas. McF., architect, 225 5th av, New York.**
**Baker, John, Jr., asphalt dlrs. & imptrs., 17 Battery pl, New York.**
**Baker, John M., architect, 9 Jackson av, Long Island City, N.**
**Baker, John S., brake handles, rachet wheels, Beverly, Mass.**
**Baker, Jos. W., architect, 111 N. 4th, Harrison, N. J.**
**Baker & Lasher, Inc., contractors, New Britain, Conn.**
**Baker Lead Mfg. Co., Worcester, Mass.**
**Baker & Lockwood Mfg. Co., contrs. tents, Kansas City, Mo.**
**Baker & McDowell Hardware Co., Natchez, Miss.**
**Baker, McMillen Co., handles, wood turning, Akron, Ohio.**
**Baker Mach. Co., New Bedford, Mass.**
**Baker Machinery Co., Des Moines, Ia.**
**Baker-Manchester Mfg. Co., silver & plated novelties, 100 Stoart, Providence, R. I.**
**Baker Mfg. Co., agricultural implements, Evansville, Wis.**
**Baker Mfg. Co., road machy. contrs. equipt., etc., 1000 Stanfav, Springfield, Ill.**
**Baker Mfg. Corp., paper mill machy., Saratoga Springs, N.**
**Baker-Matthews Mfg. Co., lumber, Sikeston, Mo.**
**Baker & Mays, flour mills, Marion, Ky.**
**Baker, Milton O., contractor, New Britain, Conn.**
**Baker-Minter Lbr. Co., Inc., mfrs., Elmira, N. Y.**
**Baker, Moore & Co., lbr., Salkehatchie, S. C.**
**Baker-Nealey Co., lumber, Chesaw, Wash.**
**Baker & Norris, architect, 41 E. 4th av, Cincinnati, Ohio.**
**Baker, O. D., Co., mattresses, 60 Canal, Boston, Mass.**
**Baker, Owen, Constr. Co., Johnstown, Pa.**
**Baker & Price, contrs., Logansport, Ind.**
**Baker, R. D., Co., contrs., 485 Elmhurst, Detroit, Mich.**
**Baker, R. & L., Co., automobile body & industrial trucks bld2180 W. 25th, Cleveland, O.**
**Baker River Lumber Co., Concrete, Wash.**
**Baker & Smith, steamfitters' supplies, 408 N. Wells, Chica Ill.**
**Baker, Smith & Co., heating app., 576 Greenwich, New York.**
**Baker Specialty & Supply Co, plumbers' supplies—jobbers, gansport, Ind.**
**Baker Stove Works, Belleville, Ill.**
**Baker, T. E. & Sons Co., elec. & gas light fixtures, San Jose,**
**Baker, Thos. N., Lbr. Co., Samson, Ala.**
**Baker Valve Co., piston rings, 1855 E. 28th, Minneapolis, Mi**
**Baker-Vawter Co., loose leaf devices, Benton Harbor, Mich.**
**Baker, W. J., Co., metal screens & specialties, Newport, Ky.**
**Baker, W. S., canned goods, Bridgeton, N. J.**
**Baker, W. T., paints, cements, etc., 224 Suydam av, Jersey C N. J.**
**Baker, W. W., Tanning Co., Sumac, Hallsboro, Va.**
**Baker-Wakefield Cypress Co., Ltd., Plattenville, La.**
**Baker White Pine Lbr. Co., Baker, Ore.**
**Baker, Wm., contractor, 137 South, Jersey City & Passaic, N**
**Baker, Wm., masons' & bldrs.' matls., New Baltimore, Mich.**
**Baker, Wm. E., contractor, Scranton, Pa.**
**Baker, Wm. H., machst., Trenton, N. J.**
**Baker & Winsor, battery chemicals, 189 Eddy, Providence, R.**
**Bakers' Helper Co., trade publication, 327 S. La Salle, Chic Ill.**
**Bakers, Joseph, Ltd., machinery imp., 235 B'way, New Y**
**Bakers Products Co., corn & cottonseed oils, 1125 W. 1 Cleveland, O.**
**Bakers' Review, trade publication, 233 B'way, New York.**
**Bakers' Sons, J., & Perkins Co., Inc., machy. mfrs., W Plains, N. Y.**
**Bakers' Weekly, trade publication, 41 Park Row, New York.**
**Bakersfield Iron Works, Bakersfield, Cal.**
**Bakersfield Sandstone Brick Co., Bakersfield, Cal.**
**Bakewell & Brown, architects, 251 Kearney, San Francisco,**
**Bakke, O., architect, Missoula, Mont.**
**Bakke, S. W. Lumber Co., Detroit, Mich.**
**Bal, Wm., Co., trunk mfrs., 14 Johnson, Newark, N. J.**
**Balbach Co., oxygen & hydrogen, Omaha, Neb.**
**Balbach Smelting & Refining Co., 580 Market, Newark, N.**
**Balch Bros. & West, advtg. spec., Utica, N. Y.**
**Balch, H. F. & Co., contrctrs, Phoenix Bldg., Minneapolis, M**
**Balch, Harold C., architect, Madison, Wis.**
**Balch, Wm. Allen, architect, 870 Woodward, Detroit, Mich.**
**Balcomb, Edwin B., architect, 228 Sussex, Salem, Mass.**
**Baldauf, John, contractor, Marion, Ohio.**
**Baldensperger, S. G., contractor, Highland Bldg., Pittsburgh,**
**Balderston, Chas., architect, 411 Walnut Philadelphia Pa.**
**Balderston, H., & Son, archl. iron, 505 W. Franklin, Baltim Md.**
**Baldock & Co., flour mills, Dearborn, Va.**
**Baldoser & Pace Pottery Co., Roseville, Ohio.**
**Baldridge Bros., contrs., Decatur, Ill.**
**Baldridge, E. R., & Co., stone producers, Hollidaysburg, Pa.**
**Baldridge, J. C., Lumber Co., Albuquerque, N. M.**
**Baldt Anchor Co., Chester, Pa.**
**Baldwin, A. & Co., Ltd., wholesale hdwe., Camp & Comm New Orleans, La.**
**Baldwin, Bert L., architect, 2d Natl. Bk. bldg., Cincinnati, O**
**Baldwin Brass Wks., fndrs., 411 S. Clinton, Chicago, Ill.**

win Bros., contrs., Rose Bldg., Cleveland, Ohio, & Erie, Pa.
win Bros., wagon hubs & spokes, Ironton, Mo.
win Bros., machinists, Winona, Minn.
win & Brown, wholesale hdwe., masons' & bldrs.' matls., 1557 E. Main, Richmond, Va.
win, C. R., contractor, West Chester, Pa.
win Chain & Mfg. Co., chains & sprockets for trucks, tractors & machine drives, Worcester, Mass.
win, Chas. H., architect, East Orange, N. J.
win, Chas. P., architect, 45 Clinton, Newark, N. J.
win Co., organs, 142 W. 4th, Cincinnati, Ohio.
win County Fertilizer Co., Milledgeville, Ga.
win, Dwight M., Jr., flour, 2219 Pillsbury av, Minneapolis, Minn.
win, E. F., machsts. & fndrs., Gardner, Mass.
win, E. N., hdwe. mfrs. (carriage), Shelton, Conn.
win, Edwin L., masons' & bldrs.' matls., Lestershire, N. Y.
win, Frank C., architect, 816 Conn. av, N. W., Washington, D. C., & Fredericksburg, Va.
win, Frank, & Son, contrs.' tools, 33 South, New York.
win, H. A., & Co., masons' & bldrs.' matls., 14903 Saranac, Cleveland, Ohio.
win, H. J., & Son, ties, poles & posts, Waverly, N. Y.
win, H. N., canned goods, Chestertown, Md.
win, Homer (Est. of), flour mills, Youngstown, Ohio.
win, J. Frank, masons' & bldrs.' matls., Birmingham, Ala.
win, J. J., architect, Anderson, S. C.
win, J. P., htg. contr., 208 N. Wells, Chicago, Ill.
win, Jas., Co., textile machy. supplies., etc., Manchester, N. H.
win, Jas. L., & Co., cash carriers, 350 W. Madison, Chicago, Ill.
win & Lewis, turpentine, Jacksonville, Fla.
win, Linus, contractor, Middletown, Conn.
win Locomotive Works, Broad & Spring Garden, Philadelphia, Pa.
win Lumber Co., Ltd., Baldwin, La.
win, Martin, machsts. & fndrs., St. Clair, Mich.
win Mfg. Co., threshers, Sparta, Mich.
win, M. E., Construction Co., 140 S. Dearborn, Chicago, Ill.
win, N. T., & Son, contractors, Atlantic City, N. J.
win Lumber Co., Garfield av, Jersey City, N. J.
win Piano Co., Gilbert av, Cincinnati, Ohio.
win & Prisler Co., stone producers, Ottawa, Ill.
win Refrigerator Co., Burlington, Vt.
win Supply Co., mill & facty. supplies, Elkins, W. Va.
win, T. F., decorative art leathers, 16 W. 46th, New York.
win Tool Wks., mchsts. & fndrs., Parkersburg, W. Va.
win, Tuthill & Bolton, machsts., Grand Rapids, Mich.
wyn Brick & Tile Co., Baldwyn, Miss.
strieri, R., & Co., stone, Atlantic City, N. J.
Edw., Co., contractors, Hartford, Conn.
our, Guthrie & Co., masons' & bldrs.' matls., Park & Oak, Portland, Ore.; Seattle, Wash., & San Francisco, Cal.
g Tie Buckle Co., Waterloo rd, Cleveland, Ohio.
an Construction Co., 53 W. Jackson blvd, Chicago, Ill.
e & Co., fndr., Louisville, Ky.
e & Krauss Co., sash, door & blind mfrs., Indianapolis, Ind.
Bearing Shade Roller Co., Naugatuck, Conn.
Brothers Glass Mfg. Company, cans, fruit jars, bottle glass, sheet zinc, etc., Muncie, Ind.
Charles, architect, Lockhaven, Pa.
Chemical Co., paint specialties, Fulton Bldg., Pittsburgh, Pa.
Engine Co., Erie, Pa.
Gear & Mach. Co., machsts., 56 Greenpoint av, Brooklyn, N. Y.
Ground Oil & Fertilizer Co., Ball Ground, Ga.
I. M., & R. E., carriages, Bushnell, Ill.
J. F., & Bro. Lumber Co. (Ltd.), Alexandria & Pollock, La.
& Jewell, machsts., 24 Franklin, Brooklyn, N. Y.
John R., Fdry. & Mach. Wks., Durango, Colo.
Phil. De C., machsts., 3003 N. B'way, St. Louis, Mo.
& Maslach, contrs., Reedley, Cal.
& Roller Bearing Co., 22 Maple av, Danbury, Conn.
& Socket Mfg. Co., metal buttons, West Cheshire, Conn.
Supply Co., whol. hdwe., Charleston, S. C.
ard, Agnes, architect, 312 Jefferson rd, West Palm Beach, Fla.
ard & Ballard Co., flour mills, Louisville, Ky.
ard Drop Forge Co., bolts, Seattle, Wash.
ard-Ford Hardware Co., Washington C. H., Ohio.
ard, J. W., Co., masons' & bldrs.' matls., Binghamton, N. Y.
ard Japanning Co., patent leather, Woburn, Mass.
ard Knitting Co., sweaters, etc., Norristown, Pa.
ard Packing Co., meat; fertilizer mfrs., Marion, Ind.
ard & Son, stone, Sioux Falls, S. D.
ard, Stephen, Rubber Co., 90 W. B'way, New York.
ard Vale Mills Co., woolen flannels, Ballard Vale, Mass.
ard, W. J., architect, 617 1st av, Seattle, Wash.
ard, Wm. M., contractor, Oneida, N. Y.
et, Jacob, cornices & skylights, Edinburg, Ill.
y, W. T. Lbr. Co., Virginia, Minn.
let, A. H., cigar box mfrs., Allentown, Pa.
n, August E., brick, Lacarne, Ohio.
n, F. A., naval arch., Worcester Bldg., Portland, Ore.

Ballin, R. C., brick, Lacarne, Ohio.
Ballin Water Tube Boiler Co., Portland, Ore.
Ballinger & Perrot, architects, 1328 B'way, New York; Thompson av, Brooklyn, & Methodist bldg, Philadelphia, Pa.
Ballinger, R. C., & Co., contractors, 218 N. 13th, Phila., Pa.
Ballman Cabinet Co., 314 Russell av, Cincinnati, Ohio.
Balloffet-Baszanger Die Co., diamond draw plates, 108 Fulton, New York.
Ballou-Hutchins Elec. Co., time switches, Providence, R. I.
Ballou, J. C., granite, Quincy, Mass.
Ballou, Johnson & Nichols Co., wholesale hdwe., 128 Dorrance, Providence, R. I.
Ballou, M. E. & Son, Co., mill & clothes baskets, Becket, Mass.
Ballou Thread Co., 189 Charles, Providence, R. I.
Ballston Fibre Products Co., Ballston Spa., N. Y.
Ballweg & Co., packing box mfrs., Indianapolis, Ind.
Ballwood Co., pipe, bends & coils, 30 Church, New York.
*See adv index at end of book.*
Bally, Samuel H., contractor, Lancaster, Pa.
Balm Mfg. Co., mchsts. & fndrs., Canton, Ohio.
Balte, Ben & Son, lbr., Ferdinand, Ind.
Baltes, E. M. & Co., masons' & bldrs.' matls., Fort Wayne, Ind.
Baltes, H. A., lamp cord adjusters, Garwood, N. J.
Baltic Chemical Co., aniline dyes, dyewood extracts, etc., 440 B'way, New York.
Baltimore Belting Co., 115 W. Lombard, Baltimore, Md.
Baltimore Brass & Plating Wks., castings, 118 E. Centre, Baltimore, Md.
Baltimore Broom Wks., 2105 Eastern av, Baltimore, Md.
Baltimore Buggy Top Co., 113 W. Mt. Royal av, Baltimore, Md.
Baltimore Canning Co., 110 E. York, Baltimore, Md.
Baltimore Car & Fdry. Co., Pittsburgh, Pa.
Baltimore Chemical Co., soldering flux, 1901 Park av, Balti., Md.
Baltimore Cooperage Co., tank mfrs., Ostend & Leadenhall, Baltimore, Md. *See adv index at end of book.*
Baltimore Dry Docks & Ship Building Co., ship builders, ft. East Fort av., Baltimore, Md.
Baltimore Enamel & Novelty Co., 4 E. Redwood, Baltimore, Md.
Baltimore Engine Co., 221 N. Calvert, Baltimore, Md.
Baltimore Fertilizer Co., 221 N. Calvert, Baltimore, Md.
Baltimore Gas Appliance & Mfg. Co., mchsts. & fndrs., Bayard & Hamburg, Baltimore, Md.
Baltimore Gas Light Co., 307 W. Redwood, Baltimore, Md.
Baltimore Hub-Wheel Mfg. Co., Fiswy & Gy, Baltimore, Md.
Baltimore Lumber Co., 1131 Watson, Baltimore, Md.
Baltimore Malleable Iron & Steel Castings Co., founders, So. Charles & Wells, Baltimore, Md.
Baltimore & Ohio R. R. Co., Baltimore & Charles, Baltimore, Md.
B. & O. R. R. Shops, mchsts. & fdrs., Newark, Ohio.
Baltimore Oil Engine Co., Eastern av & 31st, Baltimore, Md.
Baltimore Oil Co., 106 N. High, Baltimore, Md.
Baltimore Oxidized Nail Co., 215 S. Central av, Baltimore, Md.
Baltimore Peach Bottom Slate Corp., Delta, Pa.
Baltimore Pearl Hominy Co., Howard & Ostend, Baltimore, Md.
Baltimore Plbg. Supply Co., steam fitters' supplies, 3 N. Central av, Baltimore, Md.
Baltimore Polytechnic Institute, engng. schools & coll., North av & Calvert, Baltimore, Md.
Baltimore Retort & Fire Brick Co., cor Hull & Nicholson, Baltimore, Md.
Baltimore Roofing & Asbestos Mfg. Co., Asbestos, Md.
Baltimore Sash & Door Co., Howard & West, Baltimore, Md.
Baltimore Sign Co., sign mfrs., 522 Pierce, Baltimore, Md.
Baltimore Stamping & Enameling Co., tinware mfrs., 909 E. Pratt, Baltimore, Md.
Baltimore Terra Cotta Wks., fire clay, 1300 Covington, Baltimore, Md.
Baltimore Tube Co., brass & copper tubing mfrs., Wicamico & Ostend, Baltimore, Md.
Baltimore Varnish Wks., Severn & Bayard, Baltimore, Md.
Baltuff, Jos. M., Metropolitan Bank bldg, Minneapolis, Minn.
Balyeat Mfg. Co., mattresses, Mansfield, Ohio.
B. & A. Mach. Wks., 317 S. Clinton, Chicago, Ill.
Bamberg Cotton Mills Co., sheetings, Bamberg, S. C.
Bamberger, Alex., contr., 3945 Perrysville av, Pittsburgh, Pa.
Bamberger, Herman Co., umbrella mfrs., 877 B'way, New York.
Bambrick Bros.' Construction Co., 5229 St. Louis av, St. Louis, Mo.
Bambrook, A. W., fdrs., Jacksonville, Ill.
Bame & Cardell, contractors, 176 Warren, Albany, N. Y.
Bamford & Smith Co., textile machy., 9 Culver, Providence, R. I.
Bamforth & Co., advtg. post cards, 96 Warren, New York.
Bammerlin, Wm. A., pianos, Massillon, Ohio.
Bammerun, Oscar W., pianos, Massillon, Ohio.
Banar Cork Co., mfrs, 119-121 Water, Pittsburgh, Pa.
Banard, Lawrence, architect, 46 Lawton, New Rochelle, N. Y.
Bancroft & Barnard, mchsts. & fdrs., Gardner, Mass.
Bancroft, Francis W., architect, Bloomfield, N. J.
Bancroft, Fred'k. J., tennis racquet mfr., Pawtucket, R. I.
Bancroft, Jos. & Sons Co., shade cloth mfrs., Wilmington, Del.
Bancroft Textile Co., auto. & furniture binding & gimps, Worcester, Mass.
Bancroft, Wendell & Co., masons' & bldrs.' matls., Reading, Mass.
Banderob-Chase Co., washing mach., Oshkosh, Wis.
Bandler, Bernard, & Sons, carbons, 220 5th av, New York.
Bane & Hoffman, contractors, Joplin, Mo.

Bangert, Valentine, contractor, 34 Orchard, Jamaica, N. Y.
Bangor Brick & Const. Co., Bangor, Me.
Bangor Casket Mfg. Co., Bangor, Pa.
Bangor Granite Co., Bangor, Me.
Bangor Lumber Co., Bangor, Me.
Bangor School Slate Co., Bangor, Pa.
Bangor Stoneware Co., Bangor, Me.
Bangor Structural Slate Co., Bangor, Pa.
*See adv. index at end of book.*
Bangs, C. H., Druggists' Fix. Co., store & bar fixtures, Reading, Mass.
Bangs-Gaynor Cement & Plaster Co., Fayetteville, N. Y.
Bangs, Jno. D., & Co., cooking apparatus, 421 S. Wabash av, Chicago, Ill.
Banister, A. W., Co., exhaust & blow piping, 421 Dorchester av, S., Boston, Mass.
Banister Mills, flour, Houston, Va.
Banister & Pollard Co., whol. hdwe. & mill & facty. supplies, 206 Market, Newark, N. J.
Bank Designing Co., architects, Clinton bldg., Columbus, O.
Banker, A. M., contractor, Gloversville, N. Y.
Banker Mfg. Co., door checks & springs, New Brunswick, N. J.
Banker Wind Shield Co., automobile, 5722 Ellsworth av, Pittsburgh, Pa.
Bankers' Engineering Co., architects, 112 E. 19th, New York.
Bankers' Ink Co., Kansas City Mo.
Bankers' Pen Co., 935 B'Way, New York.
Banks Bros., masons' & bldrs.' matls., Biddeford, Me.
Banks Bros. Construction Co., Salt Lake City, Utah.
Banks Bros. Packing Co., meat packers, Norfolk, Va.
Banks, F. S., & Co., protractors, 149 Church, New York.
Banks Hdwe. Co., mill & facty. supplies, Columbus, Miss.
Banks, John H., & Son, assayers, 26 John, New York.
Banks, Robert V., architect, 95 B'way, Brooklyn, N. Y.
Banks Supply Co., mill & facty. supplies, Huntington, W. Va.
Bannantine Galvanized Iron Mfg. Co., 117 Soulard, St. Louis, Mo.
Banner Buggy Co., 11th & Howard, St. Louis, Mo.
Banner Clay Wks., brick, Edwardsville, Ill.
Banner Coal & Sand Co., masons' & bldrs.' matls., R. I. & Wabash & Euclid, St. Louis, Mo.
Banner Elec. Wks. of Gen. E. Co., incandescent elec. lamps, Youngstown, Ohio.
Banner Iron Works, bldrs.' iron wks., Shaw av & Oak Hill, St. Louis, Mo.
Banner Lumber Co., 7353 Manchester, St. Louis, Mo.
Banner Machine Co., Columbiana, Ohio.
Banner Mfg. Co., aqua ammonia, 373 Adelaide, Detroit, Mich.
Banner Mfg. Co., cradles, Mt. Airy, N. C.
Banner Mfg. Co., pipe couplings, basin cocks, 100 Lafayette, New York.
Banner Packing Co., Lebanon, Ohio.
Banner Rock Products Co., insul'n. cork, min'l. wool mfrs., Alexandria, Ind.
Banner Roller Mills, Lincolnton, N. C.
Banner Rubber Co., Keurick & Bittner, St. Louis, Mo.
Banner Sash & Door Co., 8025 S. B'way, St. Louis, Mo.
Banner Window Glass Co., So. Charleston, W. Va.
Banning Canning Co., Banning, Cal.
Banning, Cooper & Co., pig iron, Oliver Bldg., Pittsburgh, Pa.
Banning, L. G., lumber mfrs., 5th & Main, Cincinnati, Ohio.
Banning, W. E., Stamp & Stencil Wks., Syracuse, N. Y.
Bannister, A. F., & Co., cutlery mfrs., Newark, N. J.
Bannister, Geo. M., & Co., sweaters, etc., 3562 N. Marshall, Philadelphia, Pa.
Bannister Marble & Granite Wks., stone producers, Bristol, Pa.
Bannister & Scheli, architects, 67 Wall, New York.
Bannon Lbr. Co., Syracuse, N. Y.
Bannon, Michael E., architect, Fort Madison, Ia.
Bannon, P., Pipe Co., Louisville, Ky.
Bannon P., & Sons, masons' & bldrs.' matls., 129 Richards, Brooklyn, N. Y.
Bansmith, W. P., architect, Gerke bldg., Cincinnati, Ohio.
Banta & Bender Co., incubators & refrigerators, Ligonier, Ind.
Banta, Claude, contr., Elsmere, Del.
Banta Refrigerator Co., Clearfield, Pa.
Bantam Ball Bearing Co., ball, roll & thrust bearings, etc., Bantam, Conn.
Bantel, M., contractor, New Rochelle, N. Y.
Banting Machine Co., Toledo, Ohio.
Bantleon Bros. Co., sash, door & blind mfrs., Rochester, N. Y.
Bantz Bros., wood handles, Hoboken, N. J.
Banzer Bros., lbr., Vader, Wash.
Baraga Lbr. Co., Baraga, Mich.
Baranowitz, M., machsts., 182 Centre, New York.
Barataria Canning Co., Chartres & Mozant, New Orleans, La.
Barbara & D'Aurio, contractors, Waterbury, Conn.
Barbaresi, A., & Son, contractors, Mt. Vernon, N. Y.
Barbeau & Werring, contractors, N. W. Bldg., Minneapolis, Minn.
Barbee Wire & Iron Works, 111 Washington, Chicago, Ill., & Lafayette, Ind.
Barber, A. H., Creamery Supply Co., machsts., 300 W. Austin av, Chicago, Ill.
Barber Asphalt Paving Co., 294 Washington, Boston, Mass., 7 S. Dearborn, Chicago, Ill., & Land Title Bldg., Phila., Pa.
Barber-Bradley Construction Co., 1824 E. 15th, Los Angeles, Cal.
Barber Bros., steam engines, etc., Syracuse, N. Y.

Barber, C. G., advtg. signs, Ithaca, N. Y.
Barber, Chas. L., sash, door & blind mfr., Orange, N. J.
Barber-Colman Co., textile machy., hobbing machy., hobs, ing cutters, etc., Rockford, Ill.
Barber & Co., conveyor chain, lock nuts, 2812 S. Wabash Chicago, Ill.
Barber Donn, architect, 101 Park av, New York.
Barber, Edgar J., architect, Dennison, Ia.
Barber, El., Mfg. Co., switches, North Attelboro, Mass.
Barber-Foster Engineering Co., cranes, Swetland bldg, land, O.
Barber-Greene Co., belt & portable conveyors, etc., Aurora, I
Barber, G. L., fertilizer mfrs., Jacksonville, Tex.
Barber, H. J., contractor, 560 E. Grand blvd, Detroit, Mich.
Barber, H. S., masons' & bldrs.' matls., Penns Grove, N. J.
Barber, Joel D., architect, Grand Central Terminal, New Y
Barber, J. F., & Co., whol. hdwe., Hazleton, Pa.
Barber Leather Co., North Adams, Mass.
Barber & McMurray architects, Knoxville, Tenn.
Barber, M. A., mchsts. & fdrs., Norwich, Conn.
Barber Mfg. Co., bed springs, Anderson, Ind.
Barber Mfg. Co., cotton webbing, tapes, etc., Lowell, Mass.
Barber Mfg. Co., iron (architectural & ornamental), Ash ula, Ohio.
Barber Milling Co., flour, 552 Cham. Commerce, Minnea Minn.
Barber, O. C., Mining & Fertilizer Co., Akron, Ohio.
Barber-Paschal Lbr. Co., Maxton, N. C.
Barber & Ross, whol. hdwe., 11th & G., N. W., Wash ton, D. C.
Barber, T. P., architect, 1st Nat'l Bk. Bldg., Colorado Spr Colo.
Barber Turpentine Co., Milton, Fla.
Barbers' Journal, trade publications, 25 W. 42nd, New
Barbey, H. J., canned goods, 220 Front, Portland, Ore.
Barbon Slate Co., Slatington, Pa.
Barbour Bros., machsts., Trenton, N. J.
Barbour Chemical Co., acids barium, 50th av, East Oak Cal.
Barbour Chemical Works, 354 Pine, San Francisco, Cal.
Barbour Flax Spinning Co., packing, twine, etc., Paterson,
Barbour, J. E., Co., linen thread, Paterson, N. J.
Barbour, Love & Woodward, mach. tool dlrs., 149 B'way, York.
Barbour Silver Co., Meriden, Conn.
Barbour Stockwell Co., mchsts. & fndrs., confectioners' ma 205 B'way, Cambridge, Mass.
Barbourville Brick & Tile Co., Barbourville, Ky.
Barcalo Mfg. Co., bedsteads, small tools, etc., Buffalo, N.
Barckley, A. J., cornices & skylights, Batavia, Ill.
Barcklow & Fulton, contractors, Camden, N. J.
Barclay, Alex. M., htg. contrs., 113 N. 6th, Philadelphia,
Barclay, Ayers & Bertsch Co., mill & facty. supplies, Rapids, Mich.
Barclay Bros., granite, Barre, Vt.
Barclay, D., & Sons, blue prints, 1515 Sansom, Philadelphia
Barclay, John E., contractor, Norfolk, Va.
Barclay Naval Stores Co., 44 Whitehall, New York.
Barclay, W. A., Jr., heating contractors, 314 Pacific av, City, N. J.
Barco Brass & Joint Co., 226 N. Jefferson, Chicago, Ill.
Barcroft, Fred, machsts., Madera, Cal.
Barcus Bros., saws, Muskegon, Mich.
Barcus, G. F., masons' & bldrs.' matls., Rochester, Ind.
Barcus Mfg. Co., tuyere irons, Wabash, Ind.
Barcy-Nicholson Co., connectors, guards, metal polish, 83 Fort, Detroit, Mich.
Bard, Chas. G., mill & facty. supplies, Kalamazoo, Mich.
Bard Hardware Co., hdwe., whol., Reading, Pa.
Bard Mfg. Co., screw machine products, Royersford, Pa.
Bard Union Co., Norwich, Conn.
Bardall, J. C., Co., corn brooms, Moundsville, W. Va.
Barde, M. & Sons, machy. dealers, contrs., loggers & mill plies, 240 Front, Portland, Ore.
Bardeen Paper Co., see Otsego Coated Paper Co. (successor
Barden Electric & Machinery Co., Houston, Tex.
Barden, Peter, granite, 326 Cranston, Providence, R. I.
Barden & Robeson Corp., carriage hubs, Penn Yan, N. Y
Bardens & Oliver, lathes, etc., Cleveland, Ohio.
Bardes, E. H., Range & Fdry. Co., Cincinnati, Ohio.
Bardewyck, R., leather, 150 Nassau, New York.
Bardley, Chas. W., architect, Brown Bldg., Rockford, Ill.
Bardsley Bros. Co., elevator gates, doors, etc., 151 Baxter, York.
Bardwell-Robinson Co., sashes, doors & blinds, 24th, av N, Minneapolis, Minn.
Bareis, Geo. F., sash, doors & blinds, Canal Winchester, O
Barenfanger, C. W., Carriage Wks., Evansville, Ind.
Barfield, Wm. G., architect, 58 W. Washington, Chicago, I
Barge & Lighter Repair Co., shipyard, dry dock & ma shops, ft. of Henderson, Jersey City, N. J.
Bargelt & Son, cornices, Hanover, Pa.
Baringer, M. F., mill, dairy & corn feed, Bourse, Phila., Pa
Bario Metal Corp., acid resisting, elec. metal furnaces, 1 18th, New York.
Bark River Bridge & Culvert Co., Bark River, Mich.
Barkelew Elec. Mfg. Co., cut-outs, machsts, Middletown,

ker, A. Iron Co., scrap iron & rubber, Springfield, Ill.
ker-Bond Lbr. Co., 405 Lexington av, New York.
ker, C. L., engines, Norwalk, Conn.
ker, Chadsey & Co., wholesale hwde & mill & facty. supplies, 38 Westminster, Providence, R. I.
ker Chemical Co., Inglis, Fla., & Savannah, Ga.
ker & Co., lumber, 53 State, Boston, Mass.
ker, F. H., flour, High Point, N. C.
ker, Frank M., flour mills, Mendota, Va.
ker, Fred, fndr., Paterson, N. J.
ker, Fred. K., Lumber Co., lumber mfrs. & wholesalers, Everett, Wash.
ker, G. S., & Son, mchsts., fndrs., Scranton, Pa.
ker, Geo. M., masons' & bldrs.' matls., 649 New York av, N. W., Washington, D. C.
ker, H. & Co., starch mfrs., Chamber of Commerce, Boston, Mass.
ker, H. J., & Co., sheet metal stamping, 101 N. Jefferson, Chicago, Ill.
ker, Henry, & Co., canned goods, Millsboro, Del.
ker, Jas., castings, grate bar mfrs., etc., 6th & Cayuga, Philadelphia, Pa.
ker-Jennings Hardware Co., Lynchburg, Va.
ker, John W., contr., Maywood, Ill.
ker Lumber Co., Milford, Me.
ker Mfg. Co., machsts. & fdrs., David City, Neb.
ker, Rose & Clinton Co., wholesale hwde., Elmira, N. Y.
ker, Russell F., architect, 43 Ann, Hartford, Conn.
ker, S. G., & Son, gray iron castings, Scranton, Pa.
ker-Sweet Mfg. Co., file & rasp mfrs., 220 N. Y. av, Jamaica, N. Y.
ker, W. P., masons' & bldrs.' matls., Batavia, Ill.
ker, Wm., & Co., machsts., & screw cutting lathes, Wheeler & Pleasant av, Cincinnati, Ohio.
ker, Wm., & Co., metal shaking machy., Covington, Ky.
ker, Wm. G., Co., lumber, 141 Milk, Boston, Mass.
rhausen, Carl, architect, 70 Wisconsin, Milwaukee, Wis.
hausen, Henry A., masons' & bldrs.' matls., Green Bay, Wis
khorn, Wm. H., Co., sash, door & blind mfrs., 22 Sayre, Newark, N. J.
kley, A., Canning Co., Carlyle, Ill.
kley, N. Smith, contractor, 1324 W. 5th, Wilmington, Del.
xman, Geo., architect, Hamilton, Ohio.
xwill-Farr Co., brick, Leader-News Bldg., Cleveland, Ohio.
er, A. C., Mfg. Co., document boxes, 341 E. Ohio, Chicago, Ill.
eson, Jas. A., contractor, Ambler, Pa.
ey Mfg. Co., auto. bldrs., Kalamazoo, Mich.
ley Motor Car Co., Streator, Ill.
ley & Spencer Lbr. Co., Marion, Ind.
ey, Thos. K., agricultural implements, mill & facty. supplies, Sedalia, Mo.
ey, W. P., canned gds., Buchanan, Va.
low, A. G. & Son, lumber, Westford, Conn.
low Bros., R. R. stationery, Grand Rapids, Mich.
low Bros., belting mfrs., 543 N. 64th, Philadelphia, Pa.
low Bros., contractors, 614 Fellows av, Syracuse, N. Y.
low Bros. Co., cornices & skylights, Waterbury, Conn.
low Co., mchsts. & fdrs., advertising nov. & spec., Holyoke Mass.
low & Co., steam fitters' supplies, Ossining, N. Y.
low, Edwin T., architect, North Adams, Mass.
ow Fndry. Co., 551 N. J. R. R. av, Newark, N. J.
low Hardware Co., Corry, Pa.
low, John W., Co., mill & facty. supplies, textile machy., Lawrence, Mass.
low & Kent Co., carpet beaters, Urbana, Ohio.
low, M. C., contractor, Columbus, Ga.
low & Seelig Mfg. Co., clothes washing machines, Ripon, Wis.
low, W. F., Jr., architect, Brockton, Mass.
lum, Jno. J., meat packers, 319 Lincoln av, Detroit, Mich.
lum, Thos. & Sons, meat packers, 354 Grand River, Detroit, Mich.
naby, C. H., lbr., Greencastle, Ind.
nard, Arthur H., lumber, 206 Lumber Ex., Minneapolis, Minn
nard, B. S., & Co., undergd. conduit tools, 50 Church, New York.
nard, Chas. A., woodworking machy., 210 Main, Gardner, Mass.
nard, Edw., Co., harness mfrs., Rome, N. Y.
nard, F. A., & Son, printing inks, 529 S. Dearborn, Chicago, Ill.
nard, Geo. A., cornices, Worcester, Mass.
nard, Geo. D., & Co., handcuffs, etc., Laclede & Vandeventer, St. Louis, Mo.
nard, H. B., contractors, 140 S. Dearborn, Chicago, Ill.
nard, Houston, contractor, Rochester, N. Y.
nard, John, architect, 8 Beacon, Boston, Mass.
nard & Leas Mfg. Co., mchsts. & fndrs., & mill & facty. supplies, Moline, Ill.
nard Machinery Co., Enterprise, Kans.
nard Mfg. Co., mill & facty. supplies, Spokane, Wash.
nard, Porter & Remington, plate glass, Rochester, N. Y.
nard Stamp Co., 311 Olive, St. Louis, Mo.
nardi, Walter A., architect, Dime Bank bldg, Detroit, Mich.
ner-Mead Lumber Co., 1962 E. 107th, Cleveland, Ohio.

Barnes, A. J., architect, 7114 Hawthorne av, Los Angeles, Cal
Barnes, A. S., contractor, 215 W. 7th, Los Angeles, Cal.
Barnes, Allen L., architect, 37 W. Van Buren, Chicago, Ill.
Barnes, Almond W., soap, 32 Eagle, Brooklyn, N. Y.
Barnes, Amos W., architect, 1507 Arch, Phila., Pa.
Barnes Bros., contractors, Logansport, Ind.
Barnes Bros., poultry supplies, Wellsville, N. Y.
Barnes, Chas., Co., machsts., 55 Main, Cincinnati, Ohio.
Barnes, Chas. F. J., architect, 181 Griswold, Detroit, Mich.
Barnes Drill Co., Rockford, Ill.
Barnes, E. A., contractors, Oklahoma City, Okla.
Barnes, E. H., Co., box shooks, 61 B'way, New York.
Barnes, F. C., Co., canned goods, Worcester Bldg., Portland, Ore.
Barnes, F. G., lumber, Silver Lake Wash.
Barnes, Geo. H., elec. fixtures, 79 B'way, Detroit, Mich.
Barnes, H. N., contractor, South Bend, Ind.
Barnes, Harry A., contractor, Logansport, Ind.
Barnes, Henry K., Co., leather belting, mill & fire department supplies, 234 Devonshire, Boston, Mass.
Barnes & Irving, Inc., dealers electrical & steel mill supplies, Syracuse, N. Y.
Barnes, J. A., Mach. Co., Oshkosh, Wis.
Barnes, James I., contractor & masons' & bldrs.' matls., Logansport, Ind.
Barnes-Lindsley Mfg. Co., wood cross arms, Portland, Ore.
Barnes Mfg. Co., agricultural implements, Lanesboro, Pa.
Barnes Mfg. Co., pumps, Mansfield, Ohio.
Barnes Mfg. Co., sashes, doors & blinds, W. End, Jersey City, N. J.
Barnes Mfg. Co., washing mach., Susquehanna, Pa.
Barnes & Mixner, contractors, Bridgeton, N. J.
Barnes National Ink Co., 222 N. 5th, Philadelphia, Pa.
Barnes & Nuss Co., wholesale hdwe., Grand Forks, N. D.
Barnes Paper Mills, Rochester, Mich.
Barnes-Ross Co., match safes, Indianapolis, Ind.
Barnes, Rudolph & Co., wall paper, York, Pa.
Barnes Safe & Lock Co., bank vaults, 941 Liberty, Pittsburgh, Pa.
Barnes Safe & Vault Co., 1219 E. Main, Richmond, Va.
Barnes, Sam'l W., & Son, htg. contrs., 2104 N. 6th, Phila., Pa.
Barnes Sand & Gravel Co., Portsmouth, Ohio.
Barnes, T. M., bank railings, Bridgeport, Conn.
Barnes Tool Co., machsts., New Haven, Conn.
Barnes & Tucker Co., bituminous coal mine, Harrison bldg., Phila., Pa.
Barnes & Van Bergen, contractors, Elizabeth, N. J.
Barnes W. E., Inc., hdwe., Memphis, Tenn.
Barnes, W. F., & John, Co., mchsts. & fndrs., Rockford, Ill.
**BARNES, W. O., Co.**, saws & saw blade mfrs., 1216 Beaubin, Detroit, Mich. *See adv index at end of book.*
Barnes, W. S., common brick, Onarga, Ill.
Barnes, The Wallace Co., flat & wire springs of every description, special screw machine products, stampings & washers, cold rolled spring steel, etc., 18 Wallace, Bristol, Conn. *See adv index at end of book.*
Barnes, Winfield S., & Co., steel struct. wk., 20th & Erie av, Philadelphia, Pa.
Barnes Wire Fence Co., archl. iron, 552 Ferry Pk, Detroit, Mich.
Barnesville Mfg. Co., woolen blankets, Barnesville, W. Va.
Barnett Auto Body Co., 425 Golden Gate, San Francisco, Cal.
Barnett & Brown, janitors' supplies, 162 Pearl, New York.
Barnett Drop Forging Co., Easthampton, Mass.
Barnett, F. B., contractor, Frankfort, Ind.
Barnett Fdry. & Machy. Co., Irvington, N. J.
Barnett, G. & H., Co., file & rasp mfrs., 1076 Frankford av, Philadelphia, Pa.
Barnett, G. W., Hardware Co., Montgomery, Ala.
Barnett, Haynes & Barnett, architects, Century Bldg., St. Louis, Mo.
Barnett, Ira, fountain pens, pencils, 61 Beekman, New York.
Barnett, J. A., canned goods, Westminster, S. C.
Barnett, John, blower mfrs., Rochester, N. Y.
Barnett Lumber Co., Birmingham, Ala.
Barnett & Record Co., contractors, Duluth & Minneapolis, Minn.
Barnett, T. P., Co., architects, Arcade bldg, St. Louis, Mo.
Barnett, Wm., & Sons, starch mfrs., 730 S. Broad, Phila., Pa.
Barnewolt Construction Co., Peoria, Ill.
Barney-Ahlers Constr. Corp., 110 W. 40th, New York.
Barney, Chas. J., contractor, Wilkes-Barre, Pa.
Barney & Colt, architects, 40 W. 38th, New York.
Barney, H. M., tubular boilers, Petrolia, Pa.
Barney, John M., architect, 250 W. 108th, New York.
Barney, M. C., & Son, stone producers, Flint, Mich.
Barney Marble Wks., Swanton, Vt.
Barney, Morgan, naval architect, 187 Greenwich av, Dayton, O.
Barney & Smith Car Co., ry. freight & passenger cars, Dayton, O.
Barney Ventg. Fan Wks., 25 Haverhill, Boston, Mass.
Barnhart Bros. & Spindler, metal type fndrs., 32 Throop, Chicago, Ill.
Barnhart-Davis Co., mchsts. & fndrs., Warren, Pa.
Barnhill, J. F., turpentine, Homerville, Ga.
Barnicoat, Fred, granite, S. Quincy, Quincy, Mass.
**BARNSTEAD MFG. CO.**, mfgs. of stills and sterilizers, 62 Washington, North, Boston, Mass. *See adv index at end of book.*
Barnstead Still & Sterilizer Co., stills & sterilizing apparatus mfrs., Forest Hills, Boston, 30, Mass. *See adv index at end of book.*
Barnum Bros. Co., mill & facty. supplies, Troy, N. Y.

Barnum, E. T., iron & wire works, 864 Woodward av, Detroit, Mich.
Barnum-Richardson Co., mchsts. & fdrs., Lime Rock, Conn.
Barnum, S. H., archl. iron, New Haven, Conn.
Barnum Trunk Co., 804 Nicollet, Minneapolis, Minn.
Barnum, Wm. T., arch'l photographers, 732 Federal, Chicago, Ill.
Barnwell & Barnwell, architects, Hamilton Natl. Bk. Bldg., Chattanooga, Tenn.
Barnwell, C. P., Contracting Co., 398 14th, Buffalo, N. Y.
Baron, Carol F., architect, 1365 Pembroke, Bridgeport, Conn.
Barr, A. B., & Co., steam htg. contrs., Yonkers, N. Y.
Barr, Andrew, common brick, Urbana, Ill.
Barr Bros. Co., needles & knives, Oakland, Cal.
Barr, C. D., flour, lbr., Leesville, S. C.
Barr Chemical Co., case hardening compounds, 255 Douglass, Brooklyn, N. Y.
Barr Clay Co., brick, Streator, Ill.
Barr & Creelman Co., mill & facty. supplies, Rochester, N. Y.
Barr-Holaday Lbr. Co., Louise, Miss.
Barr, J. E., Pickling & Preserving Co., canned goods, St. Cloud, Minn.
Barr, J. Toner, contractor, 1600 Princess av, Pittsburgh, Pa.
Barr, John, masons' & bldrs.' matls., Ogdensburgh, N. Y.
Barr, John F., contr., 3447 Indiana av, Chicago, Ill.
Barr, L. L., cornices & skylights, Greenville, S. C.
Barr, N. W., lumber, Houston, Ohio.
Barr, Newton L., mchsts. & fndrs., Elba, N. Y.
Barr, Peter, stone producers, Shamokin, Pa.
Barr, T. M., cornices & skylights, Salem, Ore.
Barr, Thaw & Fraser Co., stone, Hoboken, N. J.
Barr, W. B., Co., contractors, 805 B'way, Cincinnati, Ohio.
Barr, W. L., lumber, Greenfield, Ohio.
Barralough, G. F., contr., East St. Louis, Ill.
Barre D. M. Paper Co., Roaring Springs, Pa.
Barre, Ferdinand, reinf. concrete steel const., Equitable Bldg., Baltimore, Md.
Barre Granite & Quarry Co., Barre, Vt.
Barre Medium Granite Co., Barre, Vt.
Barrel & Box, trade publications, 537 S. Dearborn, Chicago, Ill.
Barrell, Wm. L., Co., canvas goods mfrs., 8 Thomas, New York.
Barrett Adding Machine Co., Bulletin Bldg., Philadelphia, Pa.
Barrett Bindery Co., loose leaf devices, 732 Federal, Chicago, Ill.
Barrett Bros., mchsts. & fdrs., 43 Haverhill, Boston, Mass.
Barrett, C. T., architect, Logan, Utah.
Barrett Changer Co., counting machines, 36 S. State, Chicago, Ill
Barrett Chemical Co., insecticides, 233 37th, Brooklyn, N. Y.
Barrett, Christie Co., mill & factory supplies, 37 S. Clinton, Chicago, Ill.
Barrett Co., chemicals, paints & roofing mfrs., 17 Battery pl, New York.
Barrett-Cravens Co., elevating trucks, 169 N. Ann, Chicago, Ill.
*See adv index at end of book.*
Barrett, Denton & Lynn Co., flour, Dalton, Ga.
Barrett Fruit Kitchen, canned, Newark, N. J.
Barrett, Geo. O., Co., contrs., Atlanta, Ga.
Barrett Hardware Co., Joliet, Ill.
Barrett-Hicks Co., cornices & skylights, Fresno, Cal.
Barrett, J. S., Lbr. Co., Mobile, Ala.
Barrett, James A., architect, Real Estate bldg, Scranton, Pa.
Barrett, Jas., Mfg. Co., plumbing supplies & specialties, 117 Pearl, Boston, Mass.
Barrett, Jas., & Son, masons' & bldrs.' matls., Doylestown, Pa.
Barrett, Jas. T., contractor, Cambridge, Mass.
Barrett Line, ship bldrs, Cincinnati, Ohio.
Barrett, M. L., & Co., bronze powders & liquids; lacquer mfrs., 233 W. Lake, Chicago, Ill.
Barrett Mach. Tool Co., machsts., Meadville, Pa.
Barrett, Robert W., contractor, Hartford, Conn.
Barrett Sales Co., expansion bolts, etc., 568 W. Washington blvd., Chicago, Ill.
Barrett, Thos. A., architect, Eaton, Ohio.
Barrett Varnish Co., 233 W. Lake, Chicago, Ill.
Barrett, W. C., & Bro., curtain rods & hardware mfrs., 603 N. La Salle, Chicago, Ill.
Barrett, W. E., Co., whol. hdwe., 89 Canal, Providence, R. I.
Barrett, W. L., glass cutters' & soldering sets, mfrs., Bristol, Conn.
Barrett & Wall, steam htg. contrs., 40 Allyn, Hartford, Conn.
Barrett, Wm., contractor, 27 Hunneman, Boston, Mass.
Barrick, S. W., & Son, lime, Woodsboro, Md.
Barringer, Wm. C., cornices, Decatur, Ill.
Barrington Steam Brick Co., 10 Weybosset, Providence, R. I.
Barris-Kenyon Co., whol. hdwe. & mill & facty. supplies, Pittsfield, Mass.
Baron, Carol F., architect, 1365 Pembrooke, Bridgeport, Conn.
Barron, Jas. S., & Co., whol. hdwe., 221 W. B'way, New York.
Barron Red Pressed Brick Co., Barron, Wis.
Barron Woolen Mill Co., woolen blankets, Barron, Wis.
Barrott, E., & Son, masons' & bldrs.' matls., Lawrenceburg, Ind.
Barrow, A. G., Laboratories Co., chemists, Memphis, Tenn.
Barrow, J. K., lbr., Zebulon, N. C.
Barrow-Scott Milling Co., flour, Bristol, Tenn.
Barrow, W. B., contractor, Raleigh, N. C.
Barrows, Chas. S., architect, 344 East av, Rochester, N. Y.
Barrows, Geo. A., Lime Co., Denver, Colo.
Barrows, H. F., & Co., silver nov., N. Attleboro, Mass.



Barrows Lock Co., metal nov. & specialties, Lockport, Ill.
Barrows Mfg. Co., cordage & twine mfrs., Lansdale, Pa.
Barrus, Geo. H., consulting htg. engrs., Pemberton Bldg., B ton, Mass.
Barry, Bert B., second-hand railroad equip., Peoples Gas Bl Chicago, Ill.
Barry Co., mchsts. & fndrs., Muscatine, Iowa.
Barry, David J., contractor, 64 E. Manning, Providence, R
Barry, E. J., paris green, 29 Cliff, New York.
Barry & Henneberger, masons' & bldrs.' matls., Paducah, Ky.
Barry & McAlister, horse collars, 233 Race, Philadelphia, Pa
Barry Mfg. Co., filing machines, 515 W. Monroe, Chicago,
Barry, Smith & Withers, architects, Paris, Tex.
Barry-Wehmiller Machinery Co., bottles, machy. & supplies, 4 Florissant av, St. Louis, Mo.
Barry-Wehmiller Mchy. Co., mill & facty. supplies, Ft. Wo Tex.
Barry, Wm. E., architect, Kennebunk, Me.
Barry, Wm. J., contractor, 439 Ashland, Boston, Mass.
Barry & Zecher Co., machinists, Lancaster, Pa.
Barschi, Harry, ash cans, 209 E. 144th, New York.
Barse, C. V. B., Co., oil well supplies, Olean, N. Y.
Barshal Steel Equipment Co., filing cabinets, bank fixt bronze signs, tables, etc., 2031 Euclid av, Cleveland, O.
Barstow, J. P., & Co., steam fitters' supplies, Norwich, Conn.
Barstow Stove Co., combination heaters, 116 Point, Pr dence, R. I.
Barstow, W. S., & Co., Inc., contractors, 50 Pine, New York.
Bartberger, C. M., & Son, architects, Westinghouse bldg, Pi burgh, Pa.
Bartelmann, R. W., Co., sash, door & blind mfrs., 910 W Chicago, Ill.
Bartelme Co., lumber, National Life bldg, Minneapolis, Minn.
Bartelstone Bros., plate glass, 4179 3d av, New York.
Bartenslager, J. H., fertilizer mfrs., Stewartstown, Pa.
Barth, A. H., Sr., boxes—rural, mail, Lamar, Mo.
Barth, Herman, architect, Phelan bldg, San Francisco, Cal.
Barth, Jas. H., trunk mfr., 449 E. Water, Milwaukee, Wis.
Barth, John, contr., Evansville, Ill.
Barth Mfg. Co., lifting jacks, 350 Milwaukee, Milwaukee, Wi
Barthel, Bernard, brewery archt., 127 N. Dearborn, Chicago,
Barthold & Casey, masons' & bldrs.' matls., Houston, Tex.
Bartholomaei, Max, Son & Co., contractors, 466 Warren av, troit, Mich.
Bartholomew Co., auto. bldrs., mchsts. & fndrs., Peoria, Ill.
Bartholomew & Co., cornices & skylights, Michigan City, Ind
Bartholomew, Edw. W., Lbr. Co., Buffalo; N. Y.
Bartholomew, H. M., architect, 39 E. Grant, Lancaster, Pa.
Bartholomew, M. L., floor plates, Phoenixville, Pa.
Bartholomew, Paul A., architect, Greensburg, Pa.
Bartholomew, R. C., lbr. mfs., Springfield, Mass.
Bartholomew Roofing Co., Memphis, Tenn.
Bartle, A. C., Lumber Co., Newark, N. Y.
Bartle Bros., stone, Plainfield, N. J.
Bartle, H. J., Mfg. Corp., tent, etc., mfrs., Troy, N. Y.
Bartlesville Supply Co., mill & facty. supplies, Bartlesville, C
Bartlesville Vitrified Brick Co., Bartlesville, Okla.
Bartlesville Zinc Co., 61 B'way, New York.
Bartlett, A. F., & Co., mchsts. & fndrs., Saginaw, Mich.
Bartlett, A. L., Co., masons' & bldrs.' matls., Rockford, Ill.
Bartlett Box & Lumber Co., Westboro, Mass.
Bartlett Bros. Co., htg. contrs., regulators, etc., 178 Hu Cleveland, Ohio.
Bartlett, C. O., & Snow Co., agrlt. implts., conveying ma crushers, dryers, etc., Fall St., Cleveland, Ohio.
*See adv index at end of book.*
Bartlett & Co., masons' & bldrs.' matls., Binghamton, N. Y.
Bartlett & Dow Co., wholesale hdwe. & mill & facty supp Lowell, Mass.
Bartlett, E. E., machy., 326 A, Boston, Mass.
Bartlett, Edw., contractor, Watertown, Wis.
Bartlett, Edwin E., metal working mach'y, Nashua, N. H.
Bartlett Excelsior Co., excelsior, Melvin Mills, N. H.
Bartlett, Geo. M., architect, 103 Park av., New York.
Bartlett Hayward Co., mfrs. tanks, stoves, etc., Scott & Henry, Baltimore, Md.
Bartlett, Herbert F. J., architect, Caldwell, N. J.
Bartlett, J. B. C., Iron Wks., 229 W. 36th, New York.
Bartlett, J. E. Co., masons' & bldrs.' matls., Jackson, Mich.
Bartlett, Joseph F., sash, door & blind, Turners Falls, Mass.
Bartlett, L. D. & Son, rakes—garden or lawn, etc., South T worth, N. H.
Bartlett Lbr. Co., Shelldrake, Mich.
Bartlett & McFarlane, masons' & bldrs.' matls., Waterloo, I
Bartlett Mfg. Co., pruning tools, tinners' snips, shears, 43 a- fayette, E. Detroit, Mich.
*See adv index at end of book.*
Bartlett Mill Co., lumber, Machias, Wash.
Bartlett, O. L., butchers' blocks, Mound City, Ill.
Bartlett, R. R., architect, Astoria, Ore.
Bartlett, Sam'l L., architect, Endicott bldg, St. Paul, Minn.
Bartlett, W. Orrin, architect, 738 Broad, Newark, N. J.
Bartlett, W. S., lbr., South Kingston, N. H.
Bartlett, W. T. S., machy. dealer & mill & facty. supplies, Lo Mass.
Bartlett, W. W., window screens, Leominster, Mass.
Bartley Bros. & Hall, horse clippers, 50 Warren, New York.

y Graphite Products Co., 50 Church, New York.
y, Jonathan, Crucible Co., crucible phosphorizers & plum-
ago stoppers, Trenton, N. J.
y-Kennedy Co., heating contrs., 224 3d av, Pittsburgh, Pa.
y Mfg. Co., bags & bagging, 261 South, New York.
y, R. C., Co., mchsts. & fndrs., Bartley, N. J.
y, Wm. & Sons, mchsts. & fndrs., Bartley, N. J.
m, Geo. L., sponges, Key West, Fla.
n & Bro., flour mills, Summers, Ark.
n, C. B., architect, 1st Trust & S. B. Bldg., Oakland, Cal.
n Coal Co., Rockefeller bldg, Cleveland, O.
n County Flour Mills Co., Great Bend, Kans.
n, Cyrus, masons' & bldrs.' matls., Lowell, Mass.
n, F. C., tapes, braids, webbings, etc., 65 Worth, New York.
n, Francis M., Co., architects, 304 S. Wabash av, Chicago,
l.
n, Geo. H. W., cornices & skylights, Bath, Me.
n, George Edward, architect, Consolation House, Clifton
prings, N. Y.
n, Harry, architect, Greensboro, N. C.
n, H. H. & Son Co., flint paper, 109 S. 3d, Philadelphia, Pa.
n & Hite, contractors, Sacramento, Cal.
n, J. E., sash, door & blind, Anderson, S. C.
n, Jno. W., steam traps, 2707 Vestry av, Cleveland, Ohio.
n Lumber & Brick Co., Jonesboro, Ark.
n Mfg. Co., rubber stamps, 87 Duane, New York.
n Salt Co., Hutchinson, Kans.
n Spider-Web System, contrs., Kimball bldg., Chicago,
l.
h, August, flour mills, Paris, Ark.
h, Valentine, glass stainers, Roslindale, Boston, Mass.
Jno. J., steel structural wk., 249 15th, Milwaukee, Wis.
l Spec. Co., advtg., Canton, Ohio.
k Investment & Const. Co., Fullerton bldg, St. Louis, Mo.
se, N. C., Packing Co., Denver, Colo.
od, L. J., Mfg. Co., leather, felt, fibre washers, gaskets
packings, mfrs., Stoneham 80, Boston, Mass.
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he-Sage Hardware Co., Baker, Ore.
m & Co., mchsts. & fndrs., Troy, N. Y.
m, D. C., masons' & bldrs.' matls., Ticonderoga, N. Y.
rd, Erickson & Co., cornices, 24 Armat, Gtn., Phila., Pa.
C. E. & Co., masons' & bldrs.' matls., Huntington, Ind.
S. & Co., fertilizer mfrs., Fort Wayne, Ind.
ord, E. A., ties, poles & posts, Peebles, O.
n Co., steam, gas & water valve mfrs., Warren, Pa.
Mfg. Co., lbr., Wilmington, Del.
Mineral Co., 834 Columbus av, Pittsburgh, Pa.
Products Co., hydrated lime, Oliver Bldg., Pittsburgh, Pa.
rville & Jones, flour mills, Champe, Va.
t Importing Co., 119 W. 23d, New York.
n Lumber Co., Baskin, La.
an, A. M., & Co., cornices, 468 Fort W., Detroit, Mich.
ght, J. S., hdwe., Newbern, N. C.
, Wm. & Son, contractors, Sayville, N. Y.
Bros., mill & facty. supplies, 82 Walker, New York.
E. & J., silver novelties, 610 B'way, New York.
E. L. & Bros., contrs., 708 Bainbridge, Richmond, Va.
Fndry. & Machine Co., Rock Run, Ala., & Fort Wayne, Ind.
lueter Paint Co., 816 Mission, San Francisco, Cal.
Jos., wash boilers, 239 Race, Philadelphia, Pa.
Knowlton & Graham, architects, Hume-Mansur bldg, In-
anapolis, Ind.
& Pettigrew Timber Co., Morgan City, La.
Sam'l M., 38 Belleville av, Newark, N. J.
Smith Co., canned goods, Litwalton, Va.
Wm., Hardware Co., San Antonio, Tex.
nir, John, & Son, machsts., 87 Frankfort, New York.
tt, A., Iron & Wire Wks., 42 Walworth, Brooklyn, N. Y.
tt & Courtney, brick, Beaver City, Ind.
tt, D. M., Bolt Wks., Shelton, Conn.
t, David B., architect, 418 Perry bldg, Phila., Pa.
tt, E. C., bob sleds, farm wagons, Sterling, Ill.
t Jewelry Co., silver novelties, 36 Garnet, Providence,
. I.
tt, Josiah G., common brick, Bridgewater, Mass.
tt, O. T. & Co., masons' & bldrs.' matls., El Paso, Tex.
tt Pattern Wks., 62 Central av, Cincinnati, Ohio.
tt, Robt. N., Co., corset wire, 220 5th av, New York.
t Rose Supply Co., contrs., tools & mill & facty. supplies,
11 Market, Pittsburgh, Pa.
tt, Walter, soap, Taunton, Mass.
ord, E. P., & C. A., architects, Gilfillan blk., St. Paul, Minn.
k, N. C., & Sons, granite, South Thomaston, Me.
l, Louis, Co., mchsts. & fdrs., 100 Utica, Boston, Mass.
idale, Lambert, architect, Capital Bk. Bldg., St. Paul, Minn.
an & Oislander, scrap lead, brass, zinc, tin, 217 Front,
ew York.
T. W., architect, Sedalia, Mo.
W. H., architect, 2227 Sycamore, Terre Haute, Ind., &
fton, Okla.
n-Blessing Co., safety devices, carbonaters, etc., 125 W.
ustin av, Chicago, Ill.
n Bros. Co., advertising novelties, signs, etc., Rochester,
. Y.
n-Morley Co., water htrs., La Porte, Ind.
ss, D. G., architect, Sharon, Pa.

Bastress, J. N., & Co., contractors, Scranton, Pa.
Bastrop Cotton Oil Co., Bastrop, La.
Baszanger, carbons, 65 Nassau, New York.
Bataille, Achille & Co., bank railings, 587 Hudson, New York.
Batavia Brass & Iron Novelty Wks., oil can faucets, Batavia, N. Y.
Batavia Canned Goods Co., Batavia, N. Y.
Batavia Clamp Co., Batavia, N. Y.
Batavia Engineering Works, mchsts. & fdrs., Batavia, Ill.
Batavia Foundry Co., Batavia, Ohio.
Batavia Machine Co., bean separators, Batavia, N. Y.
Batavia & N. Y. Wood-Working Co., Batavia, N. Y.
Batavia Rubber Co., Batavia, N. Y.
Batavia Specialty Co., sheet metal stamping & tin cans, Batavia, N. Y.
Batchelder & Collins, masons' & bldrs.' matls., Norfolk, Va.
Batchelder, E. J., Co., Inc., granite, Barre, Vt.
Batchelder-Gallant Co., plugs, 106 Ferdinand, Boston, Mass.
Batchelder, R. C., mason's mat'ls., Albany, N. Y.
Batchelder & Snyder Co., meat packers, 55 Blackstone, Boston, Mass.
Batchelder-Wasmund Co., stone producers, 716 W. Jefferson av, Detroit, Mich.
Batcheller, E. S., & Co., wholesale hdwe & mill facty. supplies, Gloversville, N. Y.
Batchelor Timber Co., lbr. mfrs., Saginaw, Mich.
Batdorf & Co., brick, Burlington, Kans.
Bate, A. & Son, stone producers, Bay City, Mich.
Bate Boiler Efficiency Co., flue cleaners, Conshohocken, Pa.
Bate, Wm. T., & Son, machts. & fdrs., Conshocken, Pa.
Batalle & Renwick, chemicals, 80 Maiden la, New York.
Bateman, C. J., architect, 15 Exchange, Boston, Mass.
Bateman, J. B., Jr., lumber, Whitney Bldg., New Orleans, La.
Bateman, J. Paul, Co., auto. wood bodies, Bridgeton, N. J.
Bateman, John J., contractor, 845 Locust av, Germantown, Philadelphia, Pa.
Bateman Mfg. Co., agricultural implements, Grenloch, N. J.
Bateman, W. M., contractor, Lexington, Ky.
Bates, A. B., Co., machsts., Oakland, Me.
Bates & Bacon, cigar cutters, Attleboro, Mass.
Bates, Borland & Ayer, contractors, Crocker Bldg., Oakland, Cal.
Bates Bros., Co., bank messengers' wallets, Athol, Mass.
Bates, C. E., Co., canned goods, Blanchester, Ohio.
Bates, C. J., & Son, manicure sets, Chester, Conn.
Bates, Chas. F., & Co., soap, Wollaston, Mass.
Bates, Chas. W., architect, Bd. of Tr. Bldg., Wheeling, W. Va.
Bates, Chas. W., contractor, Youngstown, Ohio.
Bates & Clark Co., contractors, Seattle, Wash.
Bates & Culley, organs, 1740 S. 19th, Philadelphia, Pa.
Bates, Delos, lbr. mfrs, Madison, Ohio.
Bates, E. E. & J. H., well curbing, Arlington, Providence, R. I.
Bates, E. V., Mach. Co., Lowell, Mass.
Bates & Edmonds Motor Co., mchsts. & fdrs., Lansing, Mich.
Bates, Edw., Co., steamfitters' supplies, Syracuse, N. Y.
Bates Elev. Co., 211 Preston, Baltimore, Md.
Bates Expanded Steel Truss Co., linemen's climbers, steel poles, 208 S. La Salle, Chicago, Ill.
Bates & Gamble, architects, Close Realty Bldg., Toledo, Ohio.
Bates, Geo. A., & Son, mchsts. & fdrs., Fall River, Mass.
Bates, H. C., architect, Berlin, N. H.
Bates, H. G., canned goods, Blanchester, Ohio.
Bates & How, architects 542 5th av, New York.
Bates, Howard M., soap, 1140 Fairmount av, Philadelphia, Pa.
Bates-Hundnell-Jetton Co., contrs., Tampa, Fla.
Bates, J. B., flour mills, McQuady, Ky.
Bates, J. E., & Co., rubbers, boots & shoes, 202 Church, New York.
Bates, John S., granite producers, Norwalk, Conn.
Bates, L. L. & Co., safe deposit locks, 150 Portland, Boston, Mass.
Bates Mach. Co., Joliet, Ill.
Bates Mfg. Co., machsts., numbering mach., Orange, N. J.
Bates, Orson C., lumber mfrs., Point Rock, N. Y.
Bates & Rogers Construction Co., 37 W. Vanburen, Chicago, Ill.
Bates Tractor Co., engines, Lansing, Mich.
Bates Valve Bag Co., bag fillers, 7310 So. Chic. Av, Chicago, Ill.
Bates, W. E., Mfg. Co., metal novelties, Waterbury, Conn.
Batesburg Cotton Oil Co., fertzr. mfrs., Batesburg, S. C.
Batesville Casket Co., Batesville Ind.
Batesville Excelsior Co., excelsior mfrs., Batesville, Ark.
Batesville Lumber & Veneer Co., Lawrenceburg, Ind.
Bath Box Co., Bath, Me.
Bath, Cyril J., & Co., machy. dlrs., Cleveland, Ohio.
Bath Harness Co., horse collars, Bath, N. Y.
Bath Iron Works, Ltd., mchsts. & fndrs., Bath, Me.
Bath, John Co., Inc., spec. machy., precision tools, jigs, fixtures, etc., 8 Grafton, Worcester, Mass.
Bath Portland Cement Co., 31 Clinton, Newark, N. J.
Baton, Henry E., contractor, 12th & Sansom, Phila., Pa.
Baton Rouge Brickyard, Baton Rouge, La.
Batschy, Jno., architect, Wells Bldg., Quincy, Ill.
Batson, C. A., contractor, Brockton, Mass.
Batson-Cook Co., masons' & bldrs.' matls., Westpoint, Ga.
Batson-McGehee Co., lbr., Millard, Miss.
Battaglia Bros., scrap rubber, 381 Pearl, New York.
Battelle & Renwick, saltpetre, nitrate of soda, refined sulphur, 80 Maiden la, New York.
Batterman, Henry C., mach. & fdr., Dyer, Ind.

Batterman Truitt Co., elec. disc fans, 136 W. Monroe, Chicago, Ill.
Batterson & Eisele, granite, marble, 101 Pk. av, New York.
Batterson & Eisele marble, Edgewater, N. J.
Batterson, Ernest S., architect, Kalamazoo, Mich.
Batterson, J. G., granite, 489 5th av, New York.
Battery Engng. & Constr. Co., contractors, 17 Battery Pl., New York.
Battey Machinery Co., Rome, Ga.
Battie Hardware Co., Dawson, Ga.
Battin & Co., silver nov., 3d av, Newark, N. J.
Battis Bros., mill & steam fitters' supplies, Oshkosh, Wis.
Battjes Fuel & Building Material Co., Grand Rapids, Mich.
Battle Creek Coal & Coke Co., Orne, Tenn.
Battle Creek Furnace & Roofing Co., cornices, Battle Creek, Mich.
Battle Creek Paper Co. (Ltd.), folding paper boxes, Battle Creek, Mich.
Battle Creek Roofing & Mfg. Co., varnish, Battle Creek, Mich.
Battle, J. C., architect, Grant Bldg., Atlanta, Ga.
Battle Laboratory, Montgomery, Ala.
Battle Lbr. Co., Sorrento, Fla.
Bauch, Walter, gas ranges, 8651 Vincennes, Chicago, Ill.
Bauder E., mchsts. & fdrs., Sterling, Ill.
Bauer, A., Construction Co., 227 W. Huron, Chicago, Ill.
Bauer & Beamer, stone prod., Muskegon, Mich.
Bauer & Black, elastic hosiery, 45 W. 25th, Chicago, Ill.
Bauer Bros., contrs., Belleville, Ill.
Bauer Bros. Co., oil mill & feed grinding machinery, Bauer Bldg., Springfield, Ohio.
Bauer Bros. Mfg. Co., carriage aprons, Richmond & Carr, Cincinnati, Ohio.
Bauer, C., Jr., architect, 781 Manhattan av, Brooklyn, N. Y.
Bauer, Chas., masons' & bldrs.' matls., Springfield, Ohio.
Bauer, E., cornices, Hamilton, Ohio.
Bauer, Jno. G., stone producers, 1 Quebec rd, nr Price Hill, Cincinnati, Ohio.
Bauer, Jos., cornices & skylights, Fergus Falls, Minn.
Bauer, Julius, & Co., pianos, 305 S. Wabash av, Chicago, Ill.
Bauer, Leo M., architect, 43 John R., Detroit, Mich.
Bauer Mach. Co., Jeffersonville, Ind.
Bauer Machine Wks. Co., Kansas City, Mo.
Bauer, Max, cameras, Jersey City, N. J.
Bauer, Philip, Co., manganese, varnish, gums, etc., 25 W. B'way, New York.
Bauer Trunk & Bag Co., Oshkosh, Wis.
Bauer, Walter S., contractor, 5th & Chew, Philadelphia, Pa.
Bauerle & Stark Co., tele. cabinet wk., 1147 W. Ohio, Chicago, Ill.
Bauer's, Chas., Sons, cornices, 159 William, Buffalo, N. Y.
Bauer's, Jacob, Sons, meat packers, 2932 Massachusetts, Camp Washington, Cincinnati, Ohio.
Baugh, Batten & Baugh, canned goods, Clarksville, Ohio.
Baugh, C. L., canned goods, New Vienna, Ohio.
Baugh Electric Co., elec. cable hangers, Hopkinsville, Ky.
Baugh & Sons Co., chemicals, 20 S. Delaware av, Philadelphia, Pa., & Baltimore, Md.
Baughman, J. H., & Co., Inc., flour mills, Stanford, Ky.
Baughman, N. C., clothes washing machs., York, Pa.
Baughman Bros., machy. dlrs., Taylorville, Ill.
Baughman & Son, brick, Broughton, Ohio.
Baughman Stationery Co., pads & tablets, 1322 W. Broad, Richmond, Va.
Bauhaf Bros., stone producers, Canton, Ohio.
Bauholzer, Paul P., telegraph instruments, 2339 E. Huntington, Phila., Pa.
Baulard, V. L., & Co., glass, Galveston, Tex.
Baum Bros. Co., cups disinfectants, floor oils, polishes, soap, etc., Denver, Colo.
Baum, C. F., Co., silk fringes, 232 S. Franklin, Chicago, Ill.
Baum, Chas., mirror plateaux, 311 B'way, New York.
Baum, Dwight J., architect, Spuyten Duyvil Pkwy & Waldo av, New York.
Baum, Geo. G., architect, 1424 Arch, Philadelphia, Pa.
Baum, J., Safe & Lock Co., 617 E. Front, Cincinnati, Ohio.
Baum, M. J., stone prod., Springfield, Ill.
Baum & Schoel, bakers' machy., Waterloo, Ia.
Bauman Hardware Co., Wausau, Wis.
Bauman, Jos., & Son, cornices, 61 W. 4th, New York.
Baumann, Albert B., architect, Knoxville, Tenn.
Baumann Dyestuff & Chemical Co., 250 Plymouth, Brooklyn, N. Y.
Baumann, Ferdinand, Sons Co., sash, door & blind mfrs., 181 W. Main, Columbus, Ohio.
Baumann, H. C., architect, 251 Kearny, San Francisco, Cal.
Baumann, Jacob, stone, 1326 Altgeld, Chicago, Ill.
Baumann, L., landscape architect, 3233 Portis av, St. Louis, Mo.
Baumann Rubber Co., New Haven, Conn.
Baumeister, F., & Son, berry boxes, Rockwood, Mich.
Baumeister Piano Co., 549 W. 52nd, New York.
Baumeister, W. I., contractor, Bellingham, Wash.
Baumeister, Wm., Co., contractors, Pioneer Bldg., St. Paul, Minn.
Baumgardener Concrete Products Co., Tiffin, Ohio.
Baumgart, Fred, brick, Humphrey, Neb.
Baumgarten & Co., toys, games & nov., 213 E. Fayette, Baltimore, Md.
Baumgarten, Wm., & Co., interior hardwood wk. mfrs., 715 5th av, New York.
Baumgarten & Wyler, machts. & brass fndrs., El Paso, Tex
Baumgarth, John, Co., calenders, 1414 W. Randolph, Chic Ill.
Baumgartner Bros., brick, Chatfield, Ohio.
Baumgartner, Eugene, musical instrument strings, etc., 83 50th, Chicago, Ill.
Baumgartner, Frank, contractor, Harrisburg, Pa.
Baumneckel, G., & O., meat packers, Dayton, Ohio.
Baum's Castorine Co., lubrg. oils, Rome, N. Y.
Baur Fdy. Co., Belleville, Ill.
Baur Window Glass Co., Eaton, Ind.
Bauroth Bros., machsts., Springfield, Ohio.
Baurotn, E. F., power presses, Toledo, Ohio.
Bausback, Robt. & Sons, fertilizer mfrs., Shelbyville, Ind.
Bausch & Lomb Optical Co., scientific instruments, Roche N. Y.
Baush Machine Tool Co., Springfield, Mass.
Baute, Henry, mchsts. & fdrs., Benton Harbor, Mich.
Bavaria Knitting Mills, sweaters, cardigans, etc., 121 S. Ma Chicago, Ill.
Bawden, J. H. & Co., mchsts. & fndrs., Freehold, N. J.
Baxendale, Whittlesey & Cummings, stamping presses, Rochester, N. Y.
Baxter, A. E., Engng. & Appraisal Co., Buffalo, N. Y.
Baxter Bros., contractors, Huntsville, Ala.
Baxter Bros. Co., canned goods, Brunswick, Me.
Baxter, H. C., & Bro., canned goods, Brunswick, Me.
Baxter, Henry V., fertilizer mfrs., Chester, Pa.
Baxter, J. J., contractor, Jackson, Miss.
Baxter, Jas., Fdry. & Mach. Wks., Boise, Idaho.
Baxter, Kelley & Faust, plushes, 28 E. 19th, New York.
Baxter Lumber Co., Wildsville & Tylersburg, La.
Baxter, Odell & Halpin, archts., Hammond Bldg., Detroit, M
Baxter Sash & Door Co., Duluth, Minn.
Baxter, T. W., Co., scrap iron & steel, Utica, N. Y.
Bay Chemical Wks., sal soda, 24 California, San Francisco,
Bay City Boiler Co., Bay City, Mich.
Bay City Box & Crate Co., Bay City, Mich.
Bay City Constr. Co., Bay City, Mich.
Bay City Dredge Wks., ditching machs., Bay City, Mich.
Bay City Forge Co., hammered steel forgings, 1820 Cranb Erie, Pa.
Bay City Fdy. & Mach. Co., Bay City, Mich.
Bay City Hardware Co., Bay City, Mich.
Bay City Iron Co., mchsts. & fndrs., Bay City, Mich.
Bay City Lumber Co., Aberdeen, Wash.
Bay City Packing Co., Apalachicola, Fla.
Bay City Plow Wks., beet lifters, Bay City, Mich.
Bay City Rice Milling Co., Bay City, Tex.
Bay City Stone Co., Bay City, Mich.
Bay City Wood Plaster Co., Bay City, Mich.
Bay De Noquet Co., lumber mfrs., 80 E. Jackson blvd., Chic Ill.
Bay Development Co., gravel, 153 Berry, San Francisco, C
Bal Elec. Co., elec. contr., Oakland, Cal.
Bay, Gottfried, machsts., 537 W. 50th, New York.
Bay, John C., & Son, brick, Cumberland, Ohio.
Bay, John W., & Co., canned goods, Stockley, Del.
Bay Park Lbr. Co., North Bend, Ore.
Bay Poplar Lumber Co., Cincinnati, Ohio.
Bay Ridge Specialty Co., bath room fixtures, 5613 First Brooklyn, N. Y.
Bay Shore Building Co., Hearst Bldg., San Francisco, Cal.
Bay Side Canning Co., Alviso, Cal.
Bayside Iron Wks., mill & facty. supplies, Everett, Wash.
Bay State Belting Co., 349 Congress, Boston, Mass.
Bay State Brass Co., faucets, cocks, bibbs & valves, Hay ville, Mass.
Bay State Brick Co., Indian Orchard, Mass.
Bay State Brush & Mop Co., Woburn, Mass.
Bay State Chemical Co., aniline colors, 38 India, Boston, M
Bay State Comb Co., Leominster, Mass.
Bay State Cotton Corp., tire fabrics, 60 Federal, Boston, M
Bay State Crucible Co., Taunton, Mass.
Bay State Dredging & Contrg. Co., 247 Atlantic av, Bos Mass.
Bay State Elev. Co., Springfield, Mass.
Bay State Emery Wheel Co., grinding, Worcester, Mass.
Bay State Fdy. Co., Westfield, Mass.
Bay State Htg. & Sprinkling Co., 49 Haverhill, Boston, Mas
Bay State Insulated Wire & Cable Co., Hyde Park, Mass.
Bay State Iron Wks., machsts., Erie, Pa.
Bay State Metal Wheel Co., East Templeton, Mass.
Bay State Milling Co., feed, Winona, Minn.
Bay State Mop Co., Woburn, Mass.
Bay State Motor Wks., engines, Holyoke, Mass.
Bay State Optical Co., Attleboro, Mass.
Bay State Pump Co., tire pumps., 100 Purchase, Boston, M
Bay State Stamping Co., grease & oil cups & sheet metal st ings, 380 Chandler, Worcester, Mass.
Bay State Tap & Die Co., screw cutting tools, mfrs., Mansf Mass.
Bay State Thread Wks., Springfield, Mass.
Bay State Who. H'dwe., 1321 Washington, Boston, Mass.
Bay View Fdry. Co., Sandusky, Ohio.
Bay View Steel Casting Co., 132 S. Bay, Milwaukee, Wis.

rd, Jno. B., architect, Vincennes, Ind.
rd, M. L., & Co., contractors, Penna. Bldg., Phila., Pa.
rd, M. L., & Co., machsts., Woodbine, N. J.
Noguet Co., lbr., Nakmo, Mich.
Co., colors, dyes, disinfectants, etc., 117 Hudson, New York.
, Frank Co., typewriter ribbons, 119 Lafayette, New York.
, Gardner-Himes Co., mchsts., hdwe. mfrs., 101 Park av, New York.
, Hy. C., carriages, Leavenworth, Kan.
, J. C., cornices & sky lights, Portland, Ore.
Pattern Plate & Mfg. Co., Cleveland, Ohio.
Rothgeb Co., iron, brass & bronze fndrs., grilles, gates, ences, etc., Los Angeles, Cal.
Steam Soot Blower Co., 2828 La Salle, St. Louis, Mo.
Valve Co., 2828 La Salle, St. Louis, Mo.
son Oil Works, mfrs. & dealers—greases & petroleum roducts, Erie, Pa.
s, D. T., & Son, masons' & bldrs.' matls., Stony Brook, N. Y.
s shipyards bldrs., Port Jefferson, N. Y.
s Shipyards, Inc., Port Jefferson, N. Y.
s Vehicle Top & Trimming Co., Kansas City, Mo.
ss Mfg. Co., broom handles, Memphis, Tenn.
ss Mfg. Corp., pulp paper, Austin, Pa.
ss Pulp & Paper Co., Binghamton, N. Y.
y Heating Supply Co., 131 Sycamore, Milwaukee, Wis.
y Mfg. Co., elec. disc fans & heating apparatus, Milwaukee, Wis.
y Mfg. Co., blowers, fans, ventilating systems, 732 Greenbush, Milwaukee, Wis.
y & Son, lighting fixtures, 105 Vanderveer, Brooklyn, N. Y.
y Structural Iron Co., 705 S. Pierce, Milwaukee, Wis.
y, Wm., Co. agricultural implements, Springfield, Ohio.
s, A., architect, 33 Bible House, New York.
Co., machsts., Bloomfield, N. J.
s, I. B., architect, Hempstead, N. Y.
r, C. M., & Co., lbr, mfrs., Norfolk, Va.
e, C. M. & Co., masons' & bldrs.' matls., Norfolk, Va.
Co., mill & facty. supplies, 29 Sullivan, New York.
es, Wm. J., Co., Inc., 143 Hampshire, Buffalo, N. Y.
on, C. A., Co., who. h'dwe, 91 Reade, New York.
et-Trolley-Harp Co., Springfield, Ohio.
ne Bolt & Nut Co., Bayonne, N. J.
ne Cornice & Skylight Co., Bayonne, N. J.
ne Scrap Iron & Metal Co., Bayonne, N. J.
ne Steel Casting Co., Bayonne, N. J.
ne Supply Co., mill facty. & plumbers' supplies (jobbers), Bayonne, N. J.
n Blue Lumber Co., Hutchinson, La.
n City Iron Wks., Houston, Tex.
n Land & Lumber Co., 301 Neave Bldg., Cincinnati, Ohio.
n Liberty Lumber Co., Bonfouca, La.
ore Fdy. Co., Pensacola, Fla.
de Iron Wks., mchsts. & fndrs., Everett, Wash.
de Lumber Co., Eureka, Cal.
de Sash & Door Co., 806 3d av., Brooklyn, N. Y.
ay Chemical Co., chemical mfrs., Elizabeth, N. J.
& B. Trunk Co., Ohio & Sandusky, Pittsburgh, Pa.
B. Mfg. Co., automobile wrenches, tire holders & windhields, 6528 Carnegie av, Cleveland, O.
B. Mfg. Co., children's vehicles, Racine, Wis.
B. Mfg. Co., fndry. moulding machs., Indianapolis, Ind.
Spec. Co., plumbers' spec., 433 Liberty av, Pittsburgh, Pa.
W. Mfg. Co., spectacle frames, 251 W. 19th, New York.
C. Elec. Co., elec. contrs., 207 Merc. Pl., Los Angeles, Cal.
C. Mfg. Co., flashlights, 290 Church, New York.
Co., brass founders, Quincy, Mass.
E. Mfg. Co., inner tube bags, 444 B'way, New York.
S. Tool & Mfg. Co., drill presses, Rockford, Ill.
n, A. Y., masons' & bldrs.' matls., Seymour, Conn.
n, C. M. Co., masons' & bldrs.' matls., New Milford, Conn.
n City Silica Sand Co., Beach City, Ohio.
n & Co., aniline colors, Hartford, Conn.
n Enameling Co., Coshocton, Ohio.
n, Fred F., patterns & models, Bridgeport, Conn.
n & Fuller Co., crates, veneer mfrs., Evansville, Ind.
n, H. B., & Son, tubular boilers, Hartford, Conn.
n, H. D., Co., signs (celluloid), Coshocton, Ohio.
n, J. W., Co., scrap brass, Bridgeport, Conn.
n, Jas., & Sons, soap, Dubuque, Iowa.
n Leather Co., advtg. novelties, Coshocton, Ohio.
n Mfg. Co., contractors, Charlotte, Mich.
n Mfg. Co., machsts. & fdrs., Montrose, Pa.
n Milling Co., flour, Holland, Mich.
n, Oliver B., mchsts. & fdrs., Stony Creek, Conn.
n, Rogers & Co., lumber mfrs., De Funiak Springs, Florida.
n-Russ Co., machinery, pumps, filter presses, etc., 216-224 B'way, New York. *See adv index at end of book.*
n, S. G., & Sons, sash, door & blind, Placerville, Cal.
n, S. Y., Paper Co., Seymour, Conn.
n Soap Co., Lawrence, Mass.
n, T. C., Auto Turntable Co., St. Johns, Mich., & 50 Church, New York.
n, Wm., Hardware Co., Columbus, Ga.
n, W. W., Co., architect, Motor Mart bldg., Sioux City, Ia.
on Elec. Wks., elec. lanterns, 132 King, New York.
on Falls Rubber Shoe Co., Beacon Falls, Conn.

Beacon Light Co., Los Angeles, Cal.
Beacon Mfg. Co., cotton blankets, New Bedford, Mass.
Beacon Mfg. & Supply Co., mill & facty. supplies, New Orleans, La.
Beacon Rectifier Co., Inc., Hyde Park, Mass.
Bead Chain Mfg. Co., Bridgeport, Conn.
Beadle, J. Grant architect, Galesburg, Ill.
Beagle Hame Wks., Freeland, Pa.
Beahm & Rice, contractors, 615 14th, NW, Washington, D. C.
Beal, A. B., contractor, 43 Tremont, Boston, Mass.
Beal, David, & Co., new & used machine tools, 370 Atlantic av, Boston, Mass.
Beal, Earl E., architect, Elyria, Ohio.
Beal, J. A., lumber mfr., Luverne, Ala.
Beal, J. William, architect, 62 Summer, Boston, Mass.
Beal, Joseph, & Co., second hand machy, 23 Purchase, Boston, Mass.
Beall, Fred E., architect, 1335 N. Gilmore, Baltimore, Md.
Beale Bros., cornices & skylights, Rushville, Ind.
Beale, J. M. & Co., brick, West Brooklyn, Ill.
Beale, John R., contr., Granite City, Ill.
Beale, M. E., canned goods, Skowhegan, Me.
Beall Bros., machsts., Alton, Ill.
Beall, Fred E., architect, 1335 N. Gilmore, Baltimore, Md.
Beall Improvements Co., Inc., flour & corn mill machy., Decatur, Ill.
Beall, J. M., architect, Monessen, Pa.
Beall Tool Co., blacksmiths' drills, portable forges, East Alton, Ill.
Beals, McCarthy & Rogers, who. h'dware & mill & facty. supplies, 44 Terrace, Buffalo, N. Y.
Beals & Selkirk Trunk Co., Wyandotte, Mich.
Beals, S. M., Estate, mill & facty. supplies, Lawrence, Mass.
Beals, W. A., architect, Blaine, Me.
Beam, Jas. H., machinist, Martins Ferry, O.
Beam Lbr. Co., Godfrey, Ga.
Beaman & Smith Co., metal boring machs., Providence, R. I.
Beaman Trunk Co., Knoxville, Tenn.
Beamer & Wilhelm, caned goods, Eagle Rock, Va.
Beamont, R. H. Co., conveyors & hoists, Drexel Bldg., Philadelphia, Pa.
Bean Bros., brick, Hartford, Ky.
Bean, James W., contractor, NW cor. 4th & M, NE, Washington, D. C.
Bean, L. C., Co., masons' & bldrs.' matls., Lisbon, Ohio.
Bean, Lewis U., Co., paint & varnish mfrs., 922 Cherry, Philadelphia, Pa.
Bean, M. B., architect, Lansdale, Pa.
Bean, O. R., architect, Eugene, Ore.
Bean, R. L., ship bldrs., Camden, Me.
Bean Spray Pump Co., San Jose, Cal.
Bean Tool & Sales Co., Berea, Ohio.
Beans Springs Co., auto & truck springs, Masselon, O.
Bear Creek Canning Co., Stoutland, Mo.
Bear Creek Mill Co., lbr., Leaksville, Miss.
Bear Eng. & Constr. Co., 34 S. 17th, Philadelphia, Pa.
Bear Mfg. Co., engine starters, Rock Island, Ill.
Bear & Ruth Co., meat packers, Sandusky, Ohio.
Beard, B. C., machinist, Millen, Ga.
Beard, B. N., Co., contrs., Shelton, Conn.
Beard, C. S., machinist, Arkansas City, Kansas.
Beard, Campbell & Co., who. h'dwe., Port Huron, Mich.
Beard Constr. Co., Colonial Trust Bldg., Reading, Pa.
Beard, H. B., Co., horse collars, York, Pa.
Beard, J. H., masons' & bldrs.' matls., Geneva, N. Y.
Beard, Wm. & Co., contractors, 59 Pearl, New York.
Beard, W. G., surgical instruments, 360 Walton av, New York.
Bearden, C. E., architect, First Natl. Bk. Bldg., Chattanooga, Tenn.
Beardslee Chandelier Mfg. Co., elec. & gas light fixtures, 216 S. Jefferson, Chicago, Ill.
Beardslee-Graham Showcase Co., Seattle, Wash.
Beardsley, C., architect, Catskill, N. Y.
Beardsley, C T., architect, 601 Colorado av, Bridgeport, Conn.
Beardsley Electric Co., Los Angeles, Cal.
Beardsley, J. E., mason bldr., Stratford, Conn.
Beardsley, L. S., architect, 38 W. 32d, New York.
Beardsley, Wm. J., architect, 49 Market, Poughkeepsie, N. Y.
Beardsley's, J. W., Sons, canned goods, 690 Frelinghuysen av, Newark, N. J.
Bearings Co. of America, ball bearing mfrs., Lancaster, Pa.
Bears, B., trunk mfrs., 1048 3d av, New York.
Bearse, Chester, architect, Centerville, Mass.
Bearse, O., & Son Co., lumber, 79 Milk, Boston, Mass.
Beasley & McCafferty Lumber Co., Carrolton, Ala.
Beasley & Miller, cornices & skylights, Pittsburg, Kan.
Beasley & Sons Co., sash, door & blind, Nashville, Tenn.
Beasman, F. B., & Co., contractors, Fidelity bldg, Baltimore, Md.
Beaton, A. J., Mfg. Co., floor & ceiling plates, New Britain, Conn.
Beaton & Cadwell Mfg. Co., steam specialists, New Britain, Conn.
Beaton & Corbin Mfg. Co., pipe hangers, plates, sleeves, Southington, Conn.
Beaton, D. T., cornices & skylights, Manchester, Mass.
Beatrice Brick Works, Beatrice, Nebr.
Beatrice Iron Wks., Beatrice, Nebr.

Beatrice Lumber Co., Lemonville, Tex.
Beatrice Milling Co., flour, Whitewright, Tex.
Beatrice Steel Tank Mfg. Co., Beatrice, Nebr.
Beats All Mfg. Co., carpet beaters, Fairmont, Minn.
Beattie, Arthur A., architect, Gloversville, N. Y.
Beattie & Cornell, contractors, Fall River, Mass.
Beattie, John (Est. of), stone prod., Guilford, Conn.
Beattie Mfg. Co., machsts., Cohoes, N. Y.
Beattie & Wilcox, contractors, Fall River, Mass.
Beattie, Wm. H., granite & crushed stone, Fall River, Mass.
Beattie Zinc Works Co., battery coppers, Reading, Mass.
Beatty Bros., contrs., 2001 Metropolitan, Pittsburgh, Pa.
Beatty Const. Co., crushed stone, 66 Warren, Boston, Mass.
Beatty, E. T., mach. & fdry., Birmingham, Ala.
Beatty Felting Co., boots & shoes, Mishawaka, Ind.
Beatty, Fred W., blue & black prints & papers, 39 Ann, New York.
Beatty, J. B., architect, 15 N. Reid, Elizabeth, N. J.
Beatty, John L., architect, 146 Sixth, Pittsburgh, Pa.
Beatty & Jordan, machsts., Bolivar, N. Y.
Beatty, W. D., Co., contractors, 900 Burt, Pittsburg, Pa.
Beaty, C. N., architect, Hot Springs, Ark.
Beauchamp, I. D., flour mills, Taylorsville, Ky.
Beauchemin, Oscar, architect, City Natl. Bk. Bldg., Holyoke, Mass.
Beaudett, O. J., Co., carriages, Pontiac, Mich.
**BEAUDRY & CO., INC.,** power hammer mfrs., 45 Bromfield, Boston, Mass. *See adv index at end of book.*
Beaudry, T. J., & Son, fndrs, Marlboro, Mass.
Beaufort County Iron Wks., Inc., Washington, N. C.
Beaufort Veneer & Package Co., cases, crates, Beaufort, S. C.
Beaumel, D. W., & Co., fountain pen mfrs., 17 Vandewater, New York.
Beaumier, Joe H., mach. & Fdr., Brenham, Tex.
Beaumont & Aughtie, glass stainers, 36 Columbus av, Boston, Mass.
Beaumont Co., elec. glassware, Morgantown, W. Va.
Beaumont, G. B., Co., contractors, 286 5th av, New York.
Beaumont, George, architect, 25 N. Dearborn, Chicago, Ill.
Beaumont Iron Works Co., Beaumont, Tex.
Beaumont Lbr. Co., Beaumont, Tex.
Beaumont Mfg. Co., cord & twine, sheetings, Spartanburg, S. C.
Beaumont, R. H., Co., conveyors & hoists, Drexel Bldg., Philadelphia, Pa.
Beaumont Rice Mills, Beaumont, Tex.
Beaumont Ship Bldg. & Dry Dock Co., Beaumont, Tex.
Beaumont Valve & Hydrant Wks., Kankakee, Ill.
Beaumont, W., contractor, 1011 Crestnut, Phila, Pa.
Beaumont, Wilbert, contractor, Atlantic City, N. J.
Beaupre Bros., machs. & fdrs., Franklin, N. H.
Beauvais Water Heater Co., Springfield, Mass.
Beaux Arts Atelier, architects, 1504 H, N. W., Washington, D. C.
Beaven-Jackson Lumber & Veneer Co., Evergreen, Ala.
Beaver Brook Paper Mills, Danbury, Conn.
Beaver Canning Co., Randolph, Wis.
Beaver Clay Mfg. Co., brick, New Galilee, Pa.
Beaver Co., plaster boards, etc., 956 Beaver rd, Buffalo, N. Y.
Beaver Contr. & Eng. Corp., 113 State, Boston, Mass.
Beaver Dam Lumber Co., Cumberland, Wis.
Beaver Dam Mfg. Co., agricultural implements, Beaver Dam, Wis.
Beaver Dam Marble Co., Gunther Bldg., Baltimore, Md.
Beaver Dam Milling Co., flour, Beaver Dam, Ky.
Beaver Dam Roller Mill, Crouse, N. C.
Beaver Electric Construction Co., contracting engineers, 560 W. Monroe, Chicago, Ill.
Beaver Eng'rg & Contracting Co., 51 Chambers, New York.
Beaver Falls Art Tile Co., Beaver Falls, Pa.
Beaver Falls Planing Mill Co., sash, door & blind mfrs., Beaver Falls, Pa.
Beaver Lumber Co., Prescott, Ore.
Beaver Mach. & Tool Co., jigs, dies, etc., 625 N. 3rd, Newark, N. J.
Beaver Mfg. Co., machsts., 1st & Oklahoma av, Milwaukee, Wis.
Beaver Mills, pails, buckets & kits, Keene, N. H.
Beaver Mills, Inc., tire fabric yarn, 299 B'way, New York.
Beaver Motor Truck Co., Portland, Oregon.
Beaver Portland Cement Co., Portland, Ore.
Beaver Run Coal Co., bituminous, Mauch Chunk, Pa.
Beaver Silo & Box Mfg. Co., packing box, Beaver Dam, Wis.
Beaver Soap Co., Dayton, Ohio.
Beaver State Motor Co., Gresham, Ore.
Beaver Tile & Brick Co., Beaver, Ohio.
Beaver Tool & Eng. Co., Elkin, Ill.
Beaver Valley Boiler Wks., Beaver Falls, Pa.
Beaver Valley Glass Co., Rochester, Pa.
Beaver Valley Lime Co., Ellwood City, Pa.
Beaver Valley Mill Supply Co., Beaver Falls, Pa.
Beaver Valley Pot Co., glass house clay supplies, Rochester, Pa.
Beaver Valley Sandstone Co., New Castle & Wampum, Pa.
Beaver Varnish Co., Buffalo, N. Y.
Beaverville Brick & Tile Co., Beaverville, Ill.
Bebb, Chas. H., architect, Securities bldg, Seattle, Wash.
Bebee, Wm. G., marble, Manchester Center, Vt.
Bechard, Ephram, bldg. contr., Bristol, Conn.
Bechard Mfg. Co., silver novelties, 706 Townsend, Chicago, Ill.
Bechtel, A. A., contractor, Easton, Pa.
Bechtel, Jos., contractor, 200 N. 15th, Philadelphia, Pa.
Bechtel, W. A., contractor, 625 Market, San Francisco, Cal.
Bechtle, Otto, elec. & gas light fixtures, Alameda, Cal.
Bechtold, E. E., canopy insulators, 1928 Wabash av, Chicago,
Bechtolt, Geo. E., agricultural implements, Urbana, Ohio.
Beck, Alexander, contractor, Kelline Bldg., Omaha, Nebr.
Beck, August C., Co., lock corner boxes, 1-30 East, Milwaul Wis.
Beck & Beck, granite, Barre, Vt.
Beck & Benedict, whol. hdwe., Waynesboro, Pa.
Beck Bros., mattresses, 260 Bruce, Newark, N. J.
Beck, C. F., & Son Co., sash, door & blind, Monroe, Mich.
Beck Cereal Co., cereal foods, 569 Fort, W., Detroit, Mich.
Beck, Chas., Machine Co., paper box machinery, 607 Chest Philadelphia, Pa. *See adv index at end of book*
Beck & Corbitt Iron Co., whol. hdwe., 1230 N. Main, Louis, Mo.
Beck & Dickinson, hypodermic syringes, Rutherford, N. J.
Beck Duplicator Co., 476 B'way, New York.
Beck, Edw. T., & Co., contractors, Warren, Pa.
Beck Electrical Repair Co., freight elev., 149 W. State, Col bus, Ohio.
Beck, Fr., & Co., wall coverings, 281 5th av, New York.
Beck & Gregg Hardware Co., Atlanta, Ga.
Beck, Guido, architect, 446 Hill, Dubuque, Ia.
Beck, H. A., contractor, Burlington, Ia.
Beck Hawkeye Motor Truck Works, automobile bldrs., Co Rapids, Ia.
Beck, Herman, contractor, 325 Winslow av, Buffalo, N. Y.
Beck, J. Philip, & Son, carriages, Saginaw, Mich.
Beck, Jno. W., brick, Vicksburg, Miss.
Beck, Jos. C., architect, Beaumont, Tex.
Beck, Oscar & Co., thermometers, 280 Manger, Bklyn, N. Y
Beck, Vere W., contractor, 58 S. Water, Providence, R. I.
Beck, Wm., cornices & skylights, Englewood, N. J.
Beck, Wm. & Chas., fire hose, Lawrence, Mass.
Becker, August, Engraving Co., name plates, 247 Atlantic Boston, Mass.
Becker, Bernhard, architect, Gardner Bldg., Toledo, Ohio.
Becker & Brisbois, cut glassware, 123 Middleton, Brooklyn, N
Becker Bro. & Son, packing box mfrs., Lexington & Fkd., timore, Md.
Becker Bros., meat packers, 2692 3d av, New York.
Becker Bros., pianos, 767 10th av, New York.
Becker, C. D., cornices, Lestershire, N. Y.
Becker, C. L. & D. J., Co., lbr., 290 B'way, New York.
Becker, C., Milling Co., flour, Red Bud, Ill.
Becker, Chas. W., cotton waste, Amsterdam, N. Y.
Becker Chemical Co., car cleaning compounds, 19 Main, cinnati, Ohio.
Becker, Christian, assay balances, 92 Reade, New York.
Becker, Christian, carriages, Tamaqua, Pa.
Becker & Co., Ltd., machy. export, 90 West, New York.
Becker Constr. Co., 361 Grove, Newark, N. J.
Becker & Cramer, cornices & skylights, Springfield, Mo.
Becker, Emil, flour, Anderson, Texas.
Becker, F., cornices & skylights, Berwyn, Ill.
Becker, Geo., arch'l iron, 545 W. 22d, New York.
Becker, Geo. F., contractor, 160 W. 4th, St. Paul, Minn.
Becker Glass & Paint Co., 372 Pearl, Buffalo, N. Y.
Becker, Henry & Sons, contractors, South Orange, N. J.
Becker, Irvin H., contractor, Schuykill Haven, Pa.
Becker, J. C., masons' & bldrs. matls., Adrian, Minn.
Becker, Jno. L., cornices, Hamilton, Ohio.
Becker, K. J., contractor, Winona, Minn.
Becker, L. C., & Son, contractors, 415 13th, Newark, N. J.
Becker Mfg. Co., fndrs., Two Rivers, Wis.
Becker Milling Machine Co., vertical & horizontal type mi machines & milling cutters, mfrs., Hyde Park, Mass.
Becker-Moore Paint Co., 2nd & Soulard, St. Louis, Mo.
Becker, P. A., Co., show cases, 132 Cumberland, Brooklyn, N
Becker, P. & Co., trunk mfrs., 333 W. Monroe, Chicago, Ill.
Becker, R. A., Varnish Co., Harrison av & Garrard, Cl nati, O.
Becker-Seidel Co., htg. contrs., 324 Prospect av, Cleveland, O.
Becker, Smith & Page, wall paper mfrs., Snyder av. & W Phila., Pa.
Becker Steel Co. of Am., 154 Nassau, New York.
Becker & Thomas Co., umbrella mfrs., Cleveland, Ohio.
Becker, Wm., A., Co., masons' & bldrs.' matls., Monroe, Wis.
Beckert Needle & Supply Co., 4929 Green, Philadelphia, Pa.
Beckert Seed Store, fertilizer mfrs., 103 Federal, Pittsburgh Pa.
Beckert, Wm., & Son, dumping wagons., 1003 E. Ohio, N Side, Pittsburgh, Pa.
Beckett, Harold C., architect, 406 Elks Temple, Detroit, M
Beckett Paper Co., Hamilton, Ohio.
Becking, Geo., & Son, contractor, Chattanooga, Tenn.
Beckley-Cardy Co., school furniture, 312 W. Randolph, Chi Ill.
Beckley Coal & Coke Co., Macdonald, W. Va.
Beckley & Myers Ice & Fuel Co., masons' & bldrs.' matls., Sp field, Ohio.
Beckley Perforating Co., steel plate work, tanks, stacks, Garwood, N. J.
Beckley-Ralston Co., auto hdwe. mfrs., 1801 S. Michiga Chicago, Ill.
Beckman Bros., mill, facty. & plbrs. supplies, Des Moines,

nan, Dawson Roofing Co., 19 S. La Salle, Chicago, Ill.
aan, L., Co., surveying instrs., Toledo, Ohio.
nan & Linden Engng. Corp., carbon electrodes & silico nanganese, Balboa Bldg., San Francisco, Cal.
nan, N. O., Co., blankets—horse & cattle, Fulton rd, N. W., Cleveland, Ohio.
nan, Otto F., Co., glass stainers, New Haven, Conn.
nan & Sauer, lbr., Ferdinand, Ind.
nan Supply Co., masons' & bldrs.' matls., Hammond, Ind.
nan, Thomas J., Co., advrtg. novelties, 310-316 N. 11th, Philadelphia Pa.
nan, Wm., cornices, 15th & Republic, Cincinnati, Ohio.
nann, L., Co., engng. & surveying instrumts, 1003 Jackson, Toledo, Ohio.
strom, Ross P. & Co., contrs., Rockford, Ill.
vith Bros., contractors, Schenectady, N. Y.
vith-Chandler Co., varnish mfrs., 203 Emmett, Newark, N. J.
vith Elevator Co., 123 Pearl, Boston, Mass.
vith, F. H., architect, P. O. Arcade, Bridgeport, Conn.
vith, H. R., architect & contractor, Claremont, N. H.
vith, Hira R., contractor, Claremont, N. H.
vith, Joel, masons' & bldrs.' matls., Parkersburg, W. Va.
vith Organ Co., Louisville, Ky.
vith, P. D. (Est. of), mchsts. & fdrs., Dowagiac, Mich.
ft, Wm. E., architect, Wallingford, Conn.
n, Dickinson & Co., medicinal atomizers, Rutherford, N. J.
Camp Mfg. Co., merchandise carriers, 1504 Grand av, Kansas City, Mo.
d & Morency Mill Co., sash, door & blind, Oak Park, Ill.
l, Andrew S., machsts. & fndrs., Elkland, Pa.
l Mfg. Co., mattresses, 616 E. N. W., Washington, D. C.
l Struct. Steel Wks., New Orleans, La.
, Harold W., architect, 335 5th av, New York.
rd Aluminum & Spec. Co., 4 Reade, New York.
rd Cut Stone Co., contr., Bedford, Ind.
rd Fdry. & Mach. Co., Bedford, Ind.
rd Htg Co., 1233 Atlantic av, Brooklyn, N. Y.
rd, Nugent, Co., contractors, Evansville, Ind.
rd Pulp & Paper Co., Richmond, Va.
rd Safety Razor Co., Bedford, Mass.
rd Steam Stone Works, stone producers, Bedford, Ind.
rd Stone & Constr. Co., Indianapolis, Ind.
nt, Ralph G., architect, So. Norwalk, Conn.
tha Bros., levels, Windsor, Conn.
ree Lbr. Co., Massies Mill, Va.
Co., mill & facty. supplies, Portland, Ore.
Cordage Co., Rockaway, N. J.
Glove Co., Richmond, Ind.
, H. P., architect, Fredonia, N. Y.
, H. R., contractor, Utica, N. Y.
Hive Paper Box Co., Indianapolis, Ind.
, Hy. A. stone producers, 1116 Wabash, Detroit, Mich.
Stave Co., cooperage stock, Little Rock, Ark.
, W. S., Co., hdwe. mfrs., New Haven, Conn.
Laboratories, Inc., pharmaceuticals, St. Paul, Minn.
Creek Truck & Auto Co., Beech Creek, Pa.
, Is., Lbr. Co., Augusta, Ga.
ier & Barr, lumber, Pottsville, Pa.
er Draught Spring Co., New Haven, Conn.
er Falls Co., music cabinets, Beecher Falls, Vt.
er, Fowler, Mfg. Co., stencils, 244 3d, Louisville, Ky.
er, Scott M., contractor, 1054 Lovejoy, Buffalo, N. Y.
er, Walter A., machsts., Mason City, Iowa.
nut Packing Co., Canajoharie, N. Y.
, N. W., & Son, lbr. mfrs., Jefferson, Ohio.
nville Lbr. Co., Bruce, Wis.
e, C. F., cornices, Greenville, Ohio.
n, John B., cornices, 952 State, New Haven, Conn.
e Co., ink erasers, 1133 B'way, New York.
er Mfg. Co., hdwe. mfrs., St. Louis, Mo.
r Mfg. Co., plumbers' wood work, Marietta, Ohio.
nan Sanitary Spec. Co. See Garrison Brass & Machine Wks. (successors).
nan Sash, Door & Woodworking Co., 259 B'way, New York
nan, Wm. F., architect, 345 5th av, New York.
nd, W. J., contractor, Macon, Ga.
r & Campbell Sup. Co., oil & gas well supplies, Independence, Kan.
an & Cashin Mercantile Co., whol. hdwe., Evanston, Wyo.
an Garden Tractor Co., traction engines, 311 6th av. Minneapolis, Minn.
Sondheimer & Co., Inc., chemicals & metals, 61 B'way, New York.
. George W., aluminum, brass & bronze castings, railings, creens, etc., 294 Taaffe pl, Brooklyn, N. Y.
ine, J. W., & Sons, brick & tile, Cridersville, Ohio.
Bros., machsts, Rochester, N. Y.
Constr. Co., Fort Wayne, Ind.
. Herbert P., architect, 38 S. Dearborn, Chicago, Ill.
, Isaac, contractor, 123 E. 23d, New York.
. J. L., & Sons, fndrs., Swales, Pa.
, R. E., Lumber Co., Trenton, N. J.
Sales Co., elec. portables, Bridgeport, Conn.
, W. Harmon, architect, 333 4th av, New York.
& Warfield, contrs., & masons' & bldrs.' matls., Cortland N. Y.

Beerston Acetate Co., Olean, N. Y.
Beery, Jesse, Co., bits (bridle), Pleasant Hill, Ohio.
Bee's, John D., Sons, cornices, Lynn, Mass.
Beese, Chas., & Son, contractors, Lick Run rd, Cincinnati, Ohio.
Beeson, D. R., architect, Johnson City, Tenn.
Beeson, Fred C., veneer mfrs., 1032 Fulton, Chicago, Ill.
Beeson Hardware Co., High Pt., N. C.
Beeten Lumber & Mfg. Co., Carlisle, Pa.
Beezer Bros. See Beezer, M. J. (successor).
Beezer, Louis, architect, Seaboard bldg, Seattle, Wash.
Beezer, M. J., architect, Seaboard bldg, Seattle, Wash.
Beffel, Frank, Mfg. Co., machsts., Racine, Wis.
Begardus, C. E., testing lab., Seattle, Wash.
Beggs & Cobb Tanning Co., patent leather, Boston, Mass.
Beggs, E. J., & Co., mfg. chem., 92 William, New York.
Beggs, James, & Co., mill & facty. supplies, boilers, engines, etc., 30 Warren, New York. *See adv. index at end of book.*
Beggs Motor Car Co., Michigan & Grumotte av, Kansas City, Mo.
Beggs Wagon Co., Kansas City, Mo.
Begnaud, J. W., masons' & bldrs.' matls., Breaux Bridge, La.
Behle, C. J., & Sons Co., contractors, Covington, Ky.
Behlen, Chas., Sons Co., carriages, 15th & Vine, Cincinnati, Ohio.
Behlen, H., & Bro., wood stains, shellac, oil—soluble colors, 371 Pearl, New York.
Behles, E. P., architect, Hicks Bldg., San Antonio, Tex.
Behm, Gustav, classic wood carver, 715 North av, Chicago, Ill.
Behm, J., & Co., contractors, 141 Oak, San Francisco, Cal.
Behning Piano Co., 306 E. 133d, New York.
Behr, Frederick H., architect, 2 W. 47th, New York.
Behr, Herman, & Co., flint paper, 61 B'way, New York.
Behrend, F., Inc., chemicals, pumice stone, etc., 170 Front, New York
Behrend, Jacob, blacking cases, 118 Allen, Philadelphia, Pa.
Behrend & Rothschild, match safes & rubber balloons, 353 B'way, New York.
Behrendt, Herman F., machsts., 22 Green, Newark, N. J.
Behrens & Bushnell, machsts., Ivoryton, Conn.
Behrens, H., Mfg. Co., wash boilers, Winona, Minn.
Behrens, O. J., & Son, contractors, Wilkes-Barre, Pa.
Behrensmeyer, Geo. P., architect, 403½ Main, Quincy, Ill.
Behrer, Arnold & Sons, plumbers' supplies, jobbers, 273 Pearl, New York.
Behrer & Benson, sash, door & blind mfrs., 1545 E 63d, Chicago, Ill.
Behrer & Co., mill, facty. & plumbers' supplies (jobbers), 81 Beekman, New York.
Behringer, Edw. A., Inc., mill & facty. supplies, 98 Park pl, New York.
Behrstock-Unkoff Co., pressing machines 767 W. Van Buren, Chicago, Ill. *See adv index at end of book*
Beidleman, H. A., contr., Naperville, Ill.
Beidler, F., mill & facty. supplies, Upper Sandusky, Ohio.
Beidler, Francis, ties, poles & posts, 20 W. Jackson, Chicago, Ill.
Beidler, Henry S., masons' & bldrs.' matls., Doylestown, Pa.
Beigel, Hy., rattans, reed & chair canes, 154 Nassau, New York.
Beighlee Electric Co., 6523 Euclid av, Cleveland, Ohio.
Beilman, W. E., heaters, Buffalo, N. Y.
Beimer, Anthony, architect, San Bernardino, Cal.
Bein, E. & Co., plate glass, 1632 Milwaukee av, Chicago, Ill.
Beisley, David, brooms, Wamego, Kans.
Beitel L'br Co., San Antonio, Tex.
Beith & Reilly Co., mill & facty. & plumbers' supplies (jobbers), 2475 3rd av, New York.
Beiting, Edward, architect, 411 W. 10th, Newport, Ky.
Beitner, Geo. L., oven illuminators, Bridgeport, Conn.
Beitzel, Jacob, & Sons, sashes, doors and blinds, York, Pa.
Bel Air Packing Co., Bel Air, Md.
Bel, J. A., Lumber Co., Ltd., Lake Charles, La.
Belber Trunk & Bag Co., 1641 N. Hancock, Philadelphia, Pa.
Belcher & Loomis Hardware Co., 89 Weybosset, Providence, R. I.
Belcher Malleable Iron Co., Easton, Mass.
Belcher & Taylor Agricultural Tool Co., fertilizer distributors, Chicopee Falls, Mass.
Belcher, W. E., lbr., Centerville, Ala.
Belden, A. G., & Co., lubrg. oils & greases, 29 Burling Slip, New York.
Belden Brick Co., Canton, O.
Belden, E. S., & Sons, contractors, 217 Laurel, Hartford, Conn.
Belden Machine Co., drop forgings, etc., New Haven, Conn.
Belden Mfg. Co., testing clamps, etc., 2316 S. Western av, Chicago, Ill.
Belding Bros. & Co., silk thread, 902 Broadway, New York.
Belding E. E. & Sons, contrs., West Chicago, Ill.
Belding-Hall Co., mchsts. & fdrs., Belding, Mich.
Belfast Slate Co., roofing slate mfrs., Nazareth, Pa.
Belfi Bros. & Co., terrazzo & mosaic flooring, 1923 Market, Philadelphia, Pa.
Belfield, H., Co., mill & facty. supplies & steam specialties, 435 N. Broad, Philadelphia, Pa.
Belfont Iron Works Co., Ironton, Ohio.
Belgium Cannery, Belgium, Wis.
Belgrade Glass Co., tumblers, Buckhannon, W. Va.
Belgrade Lumber Co., Memphis, Tenn.
Belisle, Jos., brick, Fishkill Landing, N. Y.
Belknap Addressing Mach. Co., 46 W. 23d, New York.
Belknap, C. C., Glass Co., Seattle, Wash.

Belknap Hardware & Mfg. Co., 2nd & Washington, Louisville, Ky.
Belknap, John A., shovel mfrs., Anamosa, Ia.
Belknap Mfg. Co., mchsts. & fndrs., Bridgeport, Conn.
Belknap-Moran-Allen Co., glaziers' putty, 5 Ainslie, Brooklyn, N. Y.
Belknap & Phillips, common brick, St. Clair, Mich.
Belknap Wagon Co., Grand Rapids, Mich.
Bell, A. W., contractor, Spring Grove av, Cincinnati, Ohio.
Bell, Alexander, contr., Morris, Ill.
Bell, Algernon S., architect, 320 5th av, New York.
Bell, Andrew (Estate of), rubber washers, balls, etc., 45 Commercial, Newark, N. J.
Bell Arc Light Co., 20 W. Houston, New York.
Bell Bag Co., 63 Front, New York.
Bell-Bockell Co., stone producers, Altoona, Pa.
Bell Boiler & Iron Co., Lancaster, Pa.
Bell Book & Stationery Co., 914 E. Main, Richmond, Va.
Bell Bros., mchsts. & fndrs., 27th & A. V. R. R., Pittsburgh, Pa.
Bell Bros. Piano Co., Muncie, Ind.
Bell, Bruce W., architect, Easton, Pa.
Bell, C., tile, Craigville, Ind.
Bell, C. S., Co., agricultural implements, Hillsboro, Ohio.
Bell, Clyde Chas., architect, Cranford, N. J.
Bell & Clairbone, contractors, 1240 Dauphine, New Orleans, La.
Bell Co., advtg. spec., 105 Public Sq, Nashville, Tenn.
Bell Co. (The), screw machine prod., aeroplane parts & tractor parts, 1555 Fillmore av, Buffalo, N. Y.
*See adv. index at end of book.*
Bell Copper Co., 681 Market, San Francisco, Cal.
Bell, E. A., sash, door & blind mfrs., Valparaiso, Ind.
Bell, Edwin, Co., cooperage stock, So. 17th, Pittsburgh, Pa.
Bell Electric Motor Co., Garwood, N. J.
Bell, Geo. A., Fertilizer Wks., Wheelersburg, Ohio.
Bell & Gossett, case hardening & tempering compounds, 609 W. 30th, Chicago, Ill.
Bell Herbert A., architect, Nat'l. Realty bldg, Tacoma, Wash.
Bell & Howell Co., battery charging rheostats, 1803 Larchmont av, Chicago, Ill.
Bell, J. W., flour mill, Spartanburg, S. C.
Bell, J. W. Co., eave-trough hangers, Mercer, Pa.
Bell, Jno., Co., masons' & builders' materials, E. 138th & Gerard av, N. Y. City.
Bell Knitting Co., sweaters, gloves, 352 4th av, New York.
Bell Locomotive Wks., 23 Water, New York.
Bell, Louis F., contractor, Wakefield, R. I.
Bell Lumber Co., Security Bank Bldg., Minneapolis, Minn.; Ashland, Wis., & Marion, S. C.
Bell, M. F., architect, Fulton, Mo.
Bell, M. T., contrs., Augusta, Ga.
Bell Mach. Wks., Anacortes, Wash.
Bell Mfg. Co., glass blowing machines, Fairmount, Ind.
Bell Mfg. Co., hand vacuum cleaners, Cleveland, Ohio.
Bell Mfg. Co., metal polishes, Main & Gratiot, St. Louis, Mo.
Bell Motor Car Co., York, Pa.
Bell, O. C., & Co., turpentine, Holley, Fla.
Bell, O. E., mchst. & fdr., Moscow, Idaho.
Bell Oil Co., 600 S. Vandeventer, St. Louis, Mo.
Bell Oil Corp., 109 Broad, New York.
Bell Pump & Mfg. Co., 78 Fort E., Detroit, Mich.
Bell, Sam'l R., Jr., contractor, Chester, Pa.
Bell-Scott Co., contractors, Seattle, Wash.
Bell, W. E., architect, Shoaff bldg., Ft. Wayne, Ind.
Bell, W. H., contractor, Closter, N. J.
Bell, W. H., Co., plaster boards, 2582 Park av, New York.
Bell, W. R., Jr., architect, Murfreesboro, Tenn.
Bell & Wildman, 619 Upshur, machy. dealers, Portland, Ore.
Bell, Wm., contr., Elgin, Ill.
Bellaire Bottle Co., Bellaire, Ohio.
Bellaire, L. & Sons, willow ware mfrs., 17 Stephenson, Buffalo, N. Y.
Bellaire Stove Co., Bellaire, Ohio.
Bellbuckle Milling Co., flour, Bellbuckle, Tenn.
Belle City Incubator Co., Racine, Wis.
Belle City Malleable Iron Co., Racine, Wis.
Belle City Mfg. Co., agricultural implements, machsts. & fdrs., Racine, Wis.
Bellefontaine Bridge & Steel Co., Bellefontaine, Ohio.
Bellefontaine Hame Co., Bellefontaine, Ohio.
Bellefonte Brick Co., Bellefonte, Pa.
Bellefonte Eng'ng Co., mchsts. & fdrs., Bellefonte, Pa.
Bellefonte Lime Co., Bellefonte, Pa.
Belle Isle Boat & Engine Co., Detroit, Mich.
Belle Plaine Canning Co., Belle Plaine, Ia.
Belleville Brick & Tile Co., Belleville, Ill.
Belleville Fdry. Co., Belleville, Ill.
Belleville Implement & Motor Co., mchsts. & fdrs., Belleville, Ill.
Belleville Shock Mover Co., agricultural implements, Belleville, Ill.
Belleville Stove & Range Co., Belleville, Ill.
Bellevue Furnace Co., 703 Bellevue, Detroit, Mich.
Bellevue Industrial Furnace Co., 703 Bellevue av, Detroit, Mich.
Bellevue Mfg. Co., advtg. spec., Lee, Mass.
Bellgrade Lbr. Co., Memphis, Tenn., & Isola, Miss.
Bellinger, A. A., lumber mfrs., Tonawanda, N. Y.
Bellingham Bedding Co., mattresses, Bellingham, Wash.
Bellingham Canning Co., Bellingham, Wash.
Bellingham Sheet Metal Works, cornices & skylights, Bellingha Wash.
Bellis, Wm. L., horse collars, Cleveland, Ohio.
Bellmark Co., potteries, Trenton, N. J.
Bellony, Mellichamk & Wade, architects, Bldrs. Exchange, B falo, N. Y.
Bellows Bros., mchsts. & fdrs., Salem, Ind.
Bellows, Chas. H., Cut Stone Co., 233 B'way, New York.
Bellows, Elvin H., lumber, Frankfort, Mich.
Bell's, Sam'l, Sons, contractors, Lebanon, Pa.
Bellwood Mfg. Co., mchsts. & fdrs., Bellwood, Pa.
Belmar Mfg. Co., garment hangers, Canton, Pa.
Belmar Supply Co., Inc., plbrs. supplies, Belmar, N. J.
Belmer, H., Co., wire goods, 628 W. 3d, Cincinnati, Ohio.
Belmont Casket Mfg. Co., Columbus, Ohio.
Belmont Fdry., Toledo, Ohio.
Belmont Gurnee Stone Co., New Durham, N. J.
Belmont, Hy., & Son, heating contr., 103 Park av, New Y
Belmont Iron Wks., fences, steel structural work, etc., 22 Washington av, Philadelphia, Pa.
Belmont Packing & Rubber Co., 133 N. 2nd, Philadelphia, Pa
Belmont Stamping & Enameling Co., New Philadelphia, Ohi
Belnap, H., Lbr. Co., sash door & blind mfrs., Ogden, Utah.
Beloit Box Board Co., Beloit, Wis.
Beloit Brass Works, Beloit, Wis.
Beloit Fdry. Co., Beloit, Wis.
Beloit Iron Works, paper mchy., Beloit, Wis.
Beloit Lumber Co., Beloit, Wis.
Belser, P. A., contr., 625 Market, San Francisco, Cal.
Belson, Henry C., contractors, Albion, N. Y.
Belt Grip Pulley Co., 182 Breckenridge, Buffalo, N. Y.
Belt Line Brick Co., Builders Exchange, Minneapolis, Minn.
Belt Line Crusher Co., stone, Kansas City, Mo.
Belt Line Shingle Co., Seattle, Wash.
Belt, P. P., machinist, Fredonia, Kans.
Beltine Chemical & Mfg. Co., belt dressings, soap, etc., 401 Sangamon, Chicago, Ill.
Belting & Machy. Co., Rochester, N. Y.
Belting & Transmission trade publications, Monadnock b Chicago, Ill.
Belton Mills, sheetings, cotton, Belton, S. C.
Beltrail Tractor Co., St. Paul, Minn.
Beltz, J. W., Sons Co., sash, door & blind mfrs., Wheeling, W.
Belvidere Milling Co., flour, Belvidere, Tenn.
Belvidere Screw & Mach. Co., Belvidere, Ill.
Belz, J. H., Provision Co., 3601 S. B'way, St. Louis, Mo.
Belzoni Hdwe. Lbr. Co., Belzoni & Carchings, Miss.
Beman Automatic Oil Can Co., Ltd., Box 375, Meadville, Pa.
Beman, J. Garfield, architect, Park av & 41st, New York.
Beman, Spencer S., architect, 332 S. Michigan av, Chicago, I
B. E. Mfg. Co., mechanics' aprons, auto. tire holders, etc., 18 18th, New York.
Bement Miles Wks., fndrs., 21st & Callowhill, Philadelphia, P
Bement Stove Repair Co., grey iron castings, Lansing, Mich.
Bement's, E., Sons, cultivators, Lansing, Mich.
Bemis, A. L., manual training benches & pattern makers, Wor ter, Mass.
Bemis, Addison L., architect, Worcester, Mass.
Bemis Bro. Bag Co., aprons, blankets, school bags, etc., S. Fourth, St. Louis, Mo.
Bemis & Call Hardware & Tool Co., Springfield, Mass.
Bemis Car Truck Co., Springfield, Mass.
Bemis Indianapolis Bag Co., Barth av & Belt, Indianapolis, In
Bemis, J. M., & Son, lumber, Bradford, Pa.
Ben Hill Co., fertilizer, Fitzgerald, Ga.
Ben Hur Vacuum Cleaner Co., Indianapolis, Ind.
Ben-Mohr Mfg. Co., bakers' molds, 51 Cliff, New York.
Benard, Thos. H., & Son, contractors, 39 Neponset, Boston, M
Benazet Heddle Co. (Ltd.), tex. machy. supplies, etc., 214 Dauphin, Philadelphia, Pa.
Benbow Co., desk tel. brackets, 604 Arch, Philadelphia, Pa.
Benda, Geo., Inc., bronze powders, 112 E. 19th, New York.
Bender, C., & Sons, lbr., Houston, Tex.
Bender, Geo., machy dlrs., 128 Center, New York.
Bender, Hy., brick, Gardenville, N. Y.
Bender, Hy., platinum foil, rivets, etc., 42 Walnut, Newark, N
Bender, J. W., Roofing & Paving Co., Monadnock blk, San F cisco, Cal.
Bender, L. W., & Son, contractors, Cape Girardeau, Mo.
Bender, Ph. J., & Sons, mchsts., 87 Frankfort, New York.
Bender, W. M., contractor, New Castle, Pa.
Bendinger, Louis, stone producers, Lockport, N. Y.
Bendit-Drey & Co., Inc., mirror mfrs., 188 Franklin, New Y
Bendus, J. V. & Co., waterproofing cloth, 39 Cortland, New Y
Bene, John, & Sons, peroxide of hydrogen, 645 Dean, B'klyn, N
Benecia Agric. Wks., horse hoes, Benecia, Cal.
Benecke, F. F., & Son, brick & tile, Corwin, Ohio.
Benedict & Burnham, machsts., Waterbury, Conn.
Benedict, C., Mfg. Co., dress shields, 591 Mission, San Francis Cal.
Benedict, E. E., architect, 51 Leavenworth, Waterbury, Conn
Benedict, Frederick S., architect, 50 E. 41st, New York.
Benedict, J. B., architect, 1669 Broadway, Denver, Col.
Benedict, John, Co., brick, Davenport, Iowa.
Benedict, John S., Lumber Co., 419 N. Halsted, Chicago, Il
Benedict Mfg. Co., silver plated hollow ware, knives, et Syracuse, N. Y.

edict & Swanson, contractors, Jamestown, N. Y.
edict, Wm. K., architect, 527 5th av, New York.
efiel, C. E., Co., combination tools, Indianapolis, Ind.
esch, Jos. & Co., scrap iron, 126 S. Pierce, Milwaukee, Wis.
field-Milne Mfg. Co., signs, 80 Homes, Newark, N. J.
ford Mfg. Co. spark plugs, Mount Vernon, N. Y.
gstom, H. G., contr., Ansonia, Conn.
gue, Jules, ethyl chloride, W. Hoboken, N. J.
ham & Noyes, corn syrup, 12 B'way, New York.
jamin Air Rifle Mfg. Co., St. Louis, Mo.
jamin, C. W., wood handles, Sidney, Ohio.
jamin, Chas. H., architect, 772 E. 25th, Paterson, N. J.
jamin, Chas. K., contractor, Geneva, N. Y.
jamin Elec. Mfg. Co., general offices & works, 120-128 S. Sangamon, Chicago, Ill. *See adv. index at end of book.*
jamin Hdwe. Co. (wholesale), Phœnixville, Pa.
jamin, M. E., architect, St. Petersburg, Fla.
jamin, Michael, cornices, 1718 S. 4th, Philadelphia, Pa.
jamin, R. A., architect, Bisbee Bldg., Jacksonville, Fla.
jamin-Sellar Mfg. Co. See National Mechanical Corp. (successor).
jamin, T., & Sons, architects, Wenham Bldg., Grand Rapids, Mich.
jamin, W. A., switches, Los Angeles, Cal.
ker, F. K., & Co., barrel machy., Millersburg, Pa.
neche, Edw., & Bro., fishing poles, 43 Gt. Jones, New York.
ner, Elmer C., architect, Asbury Park, N. J.
ner, J. H., & Co., contrs., Marion, Ind.
ner Mach. Works, machinists, 5th & Oak, Oakland, Cal.
ner Mfg. Co., toys, games, etc., Lancaster, Pa.
ner Tool Co., oil well drilling & fishing tools, Swissvale, Pa.
ners, E. H., Co., lubrg. oils, 32 Front, New York.
nes, John V., architect, Chamber of Commerce Bldg., Portland, Ore.
net, Jno. E., stone producers, Port Jefferson, N. Y.
nett-Barnes Co., contrs., Terre Haute, Ind.
nett, Benj. F., Bldg. Co., contractors, 123 S. Howard, Baltimore, Md.
nett Brick Co., Terre Haute, Ind.
nett Bros., stone producers, Winston-Salem, N. C.
nett Bros. Co., machsts., Lowell, Mass.
nett Canning Co., Frankford, Del.
nett Carriage Co., Burlington, Ia.
nett Contracting Corp., Portland, Me.
nett, D. C., architect, McKnight bldg, Minneapolis, Minn.
nett, D., & Son, contractors, Schenectady, N. Y.
nett Dreyer Buss Belting Co., 3110 N. 11th, St. Louis, Mo.
nett, E. C., lumber mfr., Galena, Ohio.
nett, E. W., & Co., metal polish, tin cans, etc., 2000 16th, San Francisco, Cal. *See adv index at end of book.*
nett, Edw. H., architect, 80 E. Jackson blvd, Chicago, Ill.
nett, Edwin, Pottery Co., Elen & Fleet, Baltimore, Md.
nett, Edwin T., architect, Mahwah, N. J.
nett, F. A., machinery dealer, 30 Church, New York.
nett, Frank H., contractors, Seattle, Wash.
nett, F. L., & Co., bronze tablets, emblems & pins, Rochester, N. Y.
nett Furnace Co., 6531 Euclid av, Cleveland, Ohio.
nett, G. L., Machinery Co., Inc., 30 Church, New York.
nett, G. S., & Co., plate glass, 114 N. 9th, Philadelphia, Pa.
nett, G. W., canned goods, Inverness Md.
nett, Geo. W., contractor, Franklin Bldg., Baltimore, Md.
nett, Geo. W., lumber mfrs., Pitcher, N. Y.
nett, H. E., & Co., brick, Sidney, Ohio.
nett, H. L., plate glass, Philadelphia Bourse, Phila., Pa.
nett, H. L., Box Factory, packing boxes, Seattle, Wash.
nett, H. L., & Co., agricultural implements, Westervile, O.
nett Hardwood Lumber Co., Memphis, Tenn.
nett, I. A., Co., guy anchors, 112 W. Adams, Chicago, Ill.
nett, J. A., masons' & bldrs.' matls., Ravenna, Ohio.
nett, J. A., & Son, incubators, Gouverneur, N. Y.
nett, J. C., architect, Pasadena, Cal.
nett, J. W., canned goods, Auburn, Me.
nett, Jas. V., & Co., contractors, Williamsport, Pa.
nett, Jno. C., masons' & bldrs.' matls., Lowell, Mass.
nett & Lear, masons' & bldrs.' matls., West Chester, Pa.
nett & Lindenfield, architects, Benton Harbor, Mich.
nett Lumber & Mfg. Co., Hart, Mich.
nett, M., contractor, 50 Hedley, Providence, R. I.
nett, M., & Sons, contractors, Indiana, Pa.
nett Mfg. Co., machsts. & fndrs., Plymouth, Mich.
nett Mfg. Co., medicine cabinets, Alden, N. Y.
nett Mfg. Co., woodenware & nov. mfrs., Portland, Me.
nett & Mason Co., whol. hdwe., 154 State, Rochester, N. Y.
nett Metal Treating Co., hardening compound, Elmswood, Conn.
nett Montgomery Hdwe. Co., whol., 403 E. 3rd, Los Angeles, Cal.
nett, N. T., fertilizer mfr., New Windsor, Md.
nett, Nelson A., contr., Sterling, Conn.
nett-O'Connell Co., platers' & polishers' supplies, 3600 So. Morgan, Chicago, Ill.
nett Organ Co., Rock Island, Ill.
nett Paper Can & Tube Co., 291 10th, San Francisco, Cal.
nett, Perry, & Sons, stone producers, Stoneham, Mass.
nett, R. A., architect, Tuckahoe, N. Y.
Bennett & Seeley, Inc., fdry. & electro platers supplies, 823 Railroad av, Bridgeport, Conn. *See adv index at end of book*
Bennett & Smith Co., contractors, Greensburg, Pa.
Bennett & Talbott, contractors, Greensburg, Pa.
Bennett, Thos., architect, 5123 3rd av, Brocklyn, N. Y.
Bennett Varnish Co., 2215 Elston av, Chicago, Ill.
Bennett W. S., & Co., masons' & bldrs'. matls., 50th & Monon, Indianapolis, Ind.
Bennett, Wells E., architect, La Crosse, Wis.
Bennett-Wheeler Mer. Co., cornices & skylights, Butler, Mo.
Bennett & White, Inc., perforated music rolls, 67 Goble, Newark, N. J.
Bennett, Wm. B., contractor, 742 N. Negleg av, Pittsburgh, Pa.
Bennett, Wm. H., Co., boot & shoe counters, Lynn, Mass.
Bennett Wire Co., wire cloth mfrs., 405 Lexington av, New York. *See adv. index at end of book.*
Bennett & Witte, lumber mfrs., 222 W. 4th, Cincinnati, Ohio.
Bennetts Chem. Laboratory, Tacoma, Wash.
Benninghofers, C. Sons, gas engines, Hamilton, Ohio.
Bennington, S. B., contractor, Lynchburg, Va.
Bennington Scale Co., elec. cooking app., Bennington, Vt.
Bennington Wax Paper Co., Bennington, Vt.
Bennis, Edw. F., contractor, P. O. Bldg., Germantown, Phila., Pa.
Bennis, Richard P., contractor, 3d & Erie, Philadelphia, Pa.
Benns & Visscher Co., carriages, Schenectady, N. Y.
Benoit Clayton Lbr. Co., Cheniere, La.
Benolite Co., inslg. var., 331 4th av, Pittsburgh, Pa.
Benore, John, contractor, Scranton, Pa.
Benroth Bros., machinists, Columbus Grove, Ohio.
Bens, S. J., Mfg. Corp., toilet paper holders & toys, Herkimer, N. Y.
Bens, Wm., Co., manicure sets, silver novelties, shears, etc., 7 Beverly, Providence, R. I.
Bensinger, C. Co., duplicating app., 15 Whitehall, New York.
Benskin Mfg. Co., pattern making outfits, Canton, Ohio.
Benson, A. M., & Co., barrel machy., Cleveland, Ohio.
Benson, A. R., Co., soldering flux, Hudson, N. Y.
Benson & Barbot, architects, Charleston, S. C.
Benson, C. H., grain elevator builder, 406 Corn Exchange, Minneapolis, Minn.
Benson, Chas. A., & Co., contr., 1801 N. Fairfield av, Chicago, Ill.
Benson Coal Co., masons' & bldrs.' matls., Melrose, Mass.
Benson Dry Plate & Camera Co. 168½ Delancey, New York.
Benson, Emil, & Son, contractors, 340 Willard, Providence, R. I.
Benson Electric Co., Superior, Wis.
Benson, Fred S., machinist, Port Allegany, Pa.
Benson, Geo. S., & Sons, contractors, Stimpson Bldg., Los Angeles, Cal.
Benson, H. K. & F. S., rolling mills—brass & copper, Glen Ridge, N. J.
Benson Hardware Co., Andalusia, Ala.
Benson, J. P., architect, 331 Madison av, New York.
Benson, John A., Contr. Co., Des Moines, Ia.
Benson, L. A., machsts. tools & mill supplies, 8 E. Lombard, Baltimore, Md.
Besnon Lbr. Co., San Diego, Cal.
Benson Mines Co., iron ore mines, Benson Mines, St. Lawrence Co., N. Y.
Benson, Newman, contractor, 1625 Bedford av, Pittsburgh, Pa.
Benson, Oscar T., contractor, Hitchcock rd, Worcester, Mass.
Benson & Peterson, contractors, 437 Leclaire av, Chicago, Ill.
Benson-Phillips Co., mason & bldrs. mtls., Newport News, Va.
Benson, W. T., & Co., lubricating oils & greases, 232 N. Front, Philadelphia, Pa.
Bent Bros., cement contrs., Central bldg, Los Angeles, Cal.
Bent, F. H., architect, Bound Brook, N. J.
Bent, G. W., Co., machsts. & fndrs., 93 Causeway, Boston, Mass.
Bent, Geo. P., Co., pianos, 214 S. Wabash av, Chicago, Ill.
Bent Glass Nov. Co., 394 Canal, New York.
Bent, Jas. S., core compounds, fish oils, etc., 117 1st, S. Boston, Mass.
Bent, S., & Bros., combination step-ladder chairs, Gardner, Mass.
Bent, R. G. & Co., contractors, 904 Main, Hartford, Conn.
Bent Rung, Ladder & Mfg. Co., Indiana, Pa.
Bentel & Hyland, contractors, Cheviot, Ohio.
Benthall Mach. Co., coffee pickers, 115 Shoop, Suffolk, Va.
Bentley, A. P., lbr., Polonia, Wis.
Bentley, A., & Sons Co., contractors, etc., 201-241 Belmont av, Toledo, Ohio.
Bentley & Andrews, contractors, E. 11th & Irving, Portland, Ore.
Bentley, F. A., machst. & fndr., West Point, Miss.
Bentley & Gerwig Furniture Co., Parkersburg, W. Va.
Bentley, J. A., Lumber Co., Zimmerman, La.
Bentley Lbr. Co., Brantley, Ala.
Benton County Hardware Co., Rogers, Ark.
Benton County Lbr. Co., Philomath, Ore.
Benton, E. R., architect, 67 Milk, Boston, Mass.
Benton Electric Co., machsts. & fndrs., La Crosse, Wis.
Benton Harbor Malleable Foundry Co., castings, Benton Harbor, Mich.
Benton, L. F., Co., spark plugs, Vergennes, Vt.
Benton Mfg. Co., machinists, Monticello, Ga.
Benton Mfg. Co., machinists, 9 Bethune, New York.
Benton, Perry T., architect, Green Bay, Wis.
Benton Supply Co., fertilizer, Monticello, Ga.
Benton, Wm. H., architect, Bond Bldg., Washington, D. C.

Bentonville Milling Co., flour, Bentonville, Va.
Bentz, Frank B., machsts. & fndrs., Brunnerville, Pa.
**Benzo Chemical Co. xeroform, 39 Cortland, New York.**
**Bentz, Harry, Engineering Co., Inc., air conditioning machy., 90 West, New York**
Benz, Adam, & Son, machsts. & fndrs., Bank & Central, Cincinnati, Ohio.
Benzie & Campbell, granite, St. Cloud, Minn.
Berbecker, Julius, & Sons Co., hardware, Arlington Heights, Ill.
Berbecker & Rowland Mfg. Co., brass specialties & hardware mfrs., Waterville, Conn.
**Berbert, A., & Bro., surgical instruments, 436 Powell, San Francisco, Cal.**
Berchem, Julius, founders, 4921 W. Lake, Chicago, Ill.
Berdel, J. G., contractor, Canton, Ohio.
Berea Canning Co., Berea, Ky.
Bereda Mfg. Co., varnish mfrs., Zion City, Chicago, Ill.
**Berendsen Sophus, Inc., iron & steel, etc., 15 Broad, New York.**
Berenson & Moses, architects, 1026 Main, Hartford, Conn.
Berg Auto. Trunk & Spec. Co., 400 Lafayette, New York.
Berg & Beard Mfg. Co., rat exterminators, 100 Emerson pl, Brooklyn, N. Y.
**Berg Bros., advg. nov., 480 B'way, New York**
Berg, Chas. I., architect, 331 Madison av., New York.
Berg Co., glue mfrs., Ontario below Richmond, Philadelphia, Pa.
Berg, David, Distilling Co., denatured alcohol, Delaware & Tasker, Philadelphia, Pa.
Berg, Edward J., architect, 223 Elizabeth, Utica, N. Y.
Berg, F. O., Co., contrs. tents, Spokane, Wash.
Berg, James, Mfg. Co., hydrometers & thermometers, 3707 12th av, Brooklyn, N. Y.
Berg, John, & Bro. See Berg, John Mfg. Co. (successor).
Berg, John Mfg. Co., ironing boards & tables, ladders, extension planks, stages & trestles, 5001 S. Wells, Chicago, Ill.
Berg, Louis O., machinist, Madison, Minn.
Bergami, F. Nicholas, granite producers, Milford, N. H.
Bergbom & Roberg, ironing machs., 218 N. Jefferson, Chicago, Ill.
Berge, J. & H., chemical app., crucible mfrs., etc., 95 John, New York.
Bergen, E., & Sons, masons' & bldrs.' matls., Waterbury, Conn.
Bergen, J. D., Co., cut glassware, Meriden, Conn.
Bergen & Lindeman, contractors, 140 Liberty, New York.
**Bergen Paper Co., Ridgefield Park, N. J.**
Bergen Point Iron Wks., Bayonne, N. J.
Bergendaal-Knight Co., contractors, 111 W. Monroe, Chicago, Ill
Berger, A. A., & Co., iron (architectural & ornamental), Houston, Tex.
Berger-Aiken Coal Co., coal miners & dealers, Benedum-Trees Bldg., Pittsburgh, Pa.
Berger, Albert, & Co., lenses, watch crystals, 45 John, New York.
Berger Bros., charcoal, 1186 Cherry av, Chicago, Ill.
Berger Bros., fertilizer mfrs., Easton, Pa.
Berger Bros. Co., tin plates & metals, 229 Arch, Phila., Pa.
Berger, Bruno W., & Son, architects, 121 Bible House, New York
**Berger, C. L. & Sons, engineering & surveying instruments, 35 Williams, Boston, Mass.**
Berger, Carl P., architect, S. Penn Sq. Bldg., Philadelphia, Pa
**Berger & Carter Co. (owners of Pacific Tool & Supp. Co.),** mach. shop equipt., tool & supps., main office at 365 Market, San Fransisco, Cal.
Berger, Chas., mac'st. & fndr., Belleville, Ill.
**Berger & Co., filing safes, Canton, Ohio.**
Berger, Mrs. Chas. E., flour mills, Trout Run, Pa.
Berger, Edw. W., & Bro., mill, facty. & plumbers' supplies (jobbers), Weehawken, N. J.
Berger, Glose Co., wholesale hardware, Allentown, Pa.
Berger, Gustav, sash, door & blind mfrs., 1143 N. Front, Philadelphia, Pa.
**Berger, H., Sons, stucco wk., papier mache mfrs., 346 E. 34th, New York.**
Berger & Hawden Mfg. Co., egg automatic boilers, Homestead, Pa.
Berger, Jacob F., architect, 349 13th av, Brooklyn, N. Y.
Berger, L. D., Co., tin plate, metals, etc., 59 N. 2nd, Phila., Pa
Berger, Louis, & Co., architects, 1652 Myrtle av., Evergreen, N.Y.
Berger Mfg. Co., roofing, etc., Canton, Ohio
Berger Mfg. Co. of Cal, corr. iron mfrs., 1120 Mission, San Francisco, Cal.
**Berger Mfg. Co., elec. portables, 516 W 25th, New York.**
Berger, Richard, architect, 309 B'way, New York.
Berger, S. K., plate glass, 414 S. Dearborn, Chicago, Ill.
Berger, William, & Co., bed springs, mattresses, etc., 392 Florida, Milwaukee, Wis.
Berger & Wirth, printing inks, 58 Columbia Hts., Brooklyn, N. Y.
Bergeron, H. J., machinist, Houma, La.
Bergeron, J. L., & Son, contractors, Burlington, Vt.
Bergesen, John, architect, 153 W. 126th, New York.
Bergey, Aaron E., architect, Bessemer Bldg., Pittsburgh, Pa.
Berggren & Pearson Mach. Co., 221 Canal, New York.
Berghausen Machine Co., 2128 Colerain av, Cincinnati, Ohio.
Berghofer, Mitchell Co., machinists, Quincy, Ill.
Bergholtz, Strodtz & Co., machinists, 2230 Ogden av, Chicago, Ill
**Bergie Nat'l Spark Plug Co., 7th & 19th av, Rockford, Ill.**
Bergin, M. J., Lbr. Co., 225 Dennison av, Columbus, Ohio
**Bergland, G. A., lbr., Matthews bldg., Milwaukee, Wis., and Bergland, Mich.**
Berglas, M. P., Mfg. Co., plumbers' wood wk., 10 Fulton, Brooklyn, N. Y.
**Berglund, Chas., & Son, cornices, 236 E. 47th, New York.**
Bergman, Andrew, contractor, Troy, N. Y.
Bergman, Jos. A., & Son, contractors, 2610 Wylie av, Pittsburg Pa.
Bergman Knitting Mills, Osceola & Pastorius, Gtn., Phila., P
Bergman Tool Mfg. Co., Buffalo, N. Y.
Bergman, W., Hardware Co., 44 Genesee, Buffalo, N. Y.
Bergmann, F. J., soap, 413 W. Morris, Indianapolis, Ind.
Bergner, Fred, & Co., jewelers' boxes, Paca & Cross, Baltimo Md.
Bergougnan Rubber Corp., tires, Trenton, N. J.
Bergquist, B., dumb waiters, 534 Union, Brooklyn, N. Y..
Bergquist Bros., contractors, Duluth, Minn.
Bergstein Bros., mattresses, 208 Plymouth av, N., Minneapol Minn.
Bergstrom, A. B., machinist, Norfolk, Neb.
Bergstrom & Bass, machinists, 158 2d av, Brooklyn, N. Y.
Bergstrom, C. H., carriages, Neenah, Wis.
Bergstrom, Edwin, architect, Cit. Nat. Bk. Bldg., Los Angel Cal.
Bergstrom Paper Co., Neenah, Wis.
Bergstrom Stove Co., Neenah, Wis.
Berhard, Mercer, Co., masons' & bldrs.' matls., Burlington, Ia
**Bering, C. L. & Theo., Jr., wholesale hardware, Houston, Tex.**
Bering-Cortes Hardware Co., Houston, Tex.
Bering Mfg. Co., sash, door & blind mfrs., Houston, Tex.
Beringer Hardware Co., Purcell, Okla.
Berk Bros., bottle openers, 543 B'way, New York.
Berka, F., masons' & bldrs.' matls., Santa Rosa, Cal.
**Berkebile Bros., contrs., Johnstown, Pa.**
**Berkefeld Filter Co., 162 William, New York.**
Berkeley, Fourniss Co., machsts. & fndrs., Madison, Wis.
Berkeley Iron Works, Berkeley, Cal.
**Berkely Mfg. & Supply Co., waist & packing, 640 Paronia Jersey City, N. J.**
Berkheimer, J. E., Mfg. Co., asphalt, roofing, Tacoma, Wash
**Berkheimer & Laumers, stoves, Greenville, O.**
Berkley Box & Lbr. Co., Inc., Norfolk, Va.
Berkheiser, W. H., Planing Mill, Corinth, Miss.
**Berkley Chemical Co., fertilizer mfrs., Norfolk, Va.**
Berkley Machine Works, Berkley, Va.
Berkley Mach. Wks. & Fdry. Co., Norfolk, Va.
Berkowitz Envelope Co., Kansas City, Mo.
**Berks Engineering Co., Reading, Pa.**
Berkshire & Becket Silk Co., silk thread, Becket, Mass.
Berkshire Fertilizer Co., Bridgeport, Conn.
Berkshire Glass Sand Co., Cheshire, Mass.
Berkshire Hardware Co., Pittsfield, Mass.
Berkshire Hills Co., lime, Sheffield, Mass.
Berkshire Hills Paper Co., Adams, Mass.
Berkshire Iron Wks., 120 B'way, New York.
**Berkshire Iron Wks., blast furnace, Cheshire, Mass.**
Berkshire Lumber Co., Pittsfield, Mass.
**Berkshire Mfg. Co., foundry molding machines, Whitney Po blk., Cleveland, Ohio.**
Berkshire Mill Supply Co., Pittsfield, Mass.
Berla, Elias, cornices, 232 Mulberry, Newark, N. J.
Berlenbach, Francis J., architect, 260 Graham av, B'klyn, N
Berlin Aniline Wks., 213 Water, New York.
Berlin Brick Co., Berlin, Md.
Berlin Construction Co., 220 B'way, New York, and Berlin, C
Berlin Fabric Mfg. Co., advtg. nov. & specialties, Berlin, Wi
Berlin Fdry. & Mach. Co., Berlin, N. H.
Berlin & Jones Envelopes Co., 547 W. 27th, New York.
Berlin Knitting Mills, sweaters, cardigans, etc., 187 Broadw Brooklyn, N. Y.
**Berlin Machine Works, 261 B'way, New York.**
Berlin, Robert C., architect, 19 S. La Salle, Chicago, Ill
Berlin, Swern & Randall, architects, 19 S. La Salle, Chic Ill.
Berlinger, J. M., architect, 8 W. 40th, New York.
**Berlinghof & George, architects, S. M. L. bldg., Lincoln, Ne**
Berman, Samuel, wholesale hardware, 14 Portland, Bos Mass.
Bernard, A. M., machsts., New Iberia, La.
Bernard Bros., ties, poles & posts, Land Tile Bldg., Phila.,
Bernard-Greenwood Co., steam fitters' supplies, 20 Desbro New York.
Bernard, J. L. S., contractor, Oak Park, Ill.
Bernard, Phillip, Co., cupolas, Sioux City, Ia.
Bernard, W. J., soap, Seattle, Wash.
Bernardin Bottle Cap Co., Evansville, Ind.
Bernardin, J. M., Lbr. Co., Kansas City, Mo.
Bernd, G., Co., horse collars, Macon, Ga.
Berne Lumber Co., Berne, Ind.
Berne Milling Co., flour, Berne, Ind.
Berner & Freedman, trunk mfrs., 452 B'way, New York.
Berner, H. D., & Winterbauer Co., ale pumps, 380 Lafay New York.
Berney-Bond Glass Co., glass bottles, Bradford, Pa.
Bernhard, F. A. & Co., badges & buttons, 275 W. 23d, New
Bernhard Mattress Co., 739 Mission, San Francisco, Cal.
Bernhardt, Chas. Wm., contractor, Atlanta, Ga.
Bernhardt, David, Paint Co., Ltd., 321 Camp, New Orleans
Bernhardt, M. E., cigar holders, 148 Chambers, New York

ardt Mfg. Co., machsts., Edwardsville, Ill.
ardt Niehaus & Co., mchsts. & fndrs., Collinsville, Ill.
ardt-Seagle Co., mill & facty. supplies, Lenior, N. C.
eimer & Blumenthal Co., Inc., wood specialties, 138 W. ), New York.
eim Dist. Co., 218 Greenwich, New York.
isel Construction Co., 105 W. Monroe, Chicago, Ill.
e Lumber Co., Ltd., Bernice, La.
r, Napoleon M., carriages, 46 Point, Providence, R. I.
r, Victor, contractor, 953 Baldwin, Waterbury, Conn.
r & Vanasse, contractors, Northampton, Mass.
euther, Fred. cornices, Edwardsville, Ill.
itter, Frank H., contractor, 127 N. Dearborn, Chicago, Ill.
& Schlee mchsts. & fndrs., Lyons, N. Y.
tein Mfg. Co., 3rd & Allegheny av, Philadelphia, Pa.
tein, Mitchell, architect, 137 E. 41st, New York.
Otto, furnaces & plumbers' tools, 17-37 Ashland, Newark, . J.
io, J. A., machsts. & fdrs., Memphis, Tenn.
, A., architect, 1484 St. Marks av, Brooklyn, N. Y.
n, Edwd., architect, Hollands, Rockaway Beach, N. Y.
k's, Chas., Sons Co., contractors, 1151 Main, Buffalo, . Y.
ge Bldg. Co., contractors, Passaic, N. J.
ge Shear Co., Sturgis, Mich.
an, J. J., filter presses, Orange, N. J.
an, Wm. J., contractor, Little Falls, N. Y.
A. C. U., contractor, Selling Bldg., Portland, Ore.
A. Hall, 71 Murray, New York.
Addison C., & Co., architects, Hammond, Ind.
A., Hein Fan Co., exhaust fans, 92 1st, South Boston, lass.
& Beckel, contractors, Austin, Minn.
Bros., contractors, Garfield bldg, Cleveland, O.
Bros., bolts & nuts, Columbus, Ohio.
Bros., paint & varnish, Detroit, Mich.
Chas. E., machsts., Somerville, Mass.
Chas. H., Supply Co., mill & facty. supplies, Wheeling, . Va.
Chas. V., contractor, Mansfield, Ohio.
Co., masons' & bldrs. matls., Oil City, Pa.
& Davidson, architects, 29 Central, Boston, Mass.
& Duke, steam fitters' supls., Duke Center, Pa.
Dernoville & Co., chemicals, drugs, etc., Nashville, Tenn
Engng. Co., machsts., Chester, Pa.
& Ferguson, masons' & bldrs. matls., 159 Devonshire, oston, Mass.
Fdry. & Mfg. Co., St. Joseph, Mo.
Frank A., architect, Atlantic City, N. J.
Geo., packing box mfrs., North Tonawanda, N. Y.
Geo. O., brick, Columbus, Ga.
Glosser Co., junction boxes, Marion, Ohio.
H. N., machst. & fdr., Greenville, Miss.
Iron & Steel Co., St. Joseph, Mo.
J. C., architect, Amarillo, Tex.
J. M. & L. C., iron, 325 W. Ohio, Chicago, Ill.
Jas. E., brick & fire clay, Woodbridge, N. J.
James, & Son, scrap rubber, Brockton, Mass.
Lewis D., machsts., Petrolia, Pa.
Lumber Co., who., 30 Church, New York.
McKnight Clock Co., switches, Marine City, Mich.
O. P., Co., excelsior & wood wool mfrs., Wolfeboro Falls, . H.
Reeves Lbr. Co., Pine Belt, Ala.
S. H., Hardware Co., Dover, N. J.
Stone Co., Ellettsville, Ind.
Union Co., flanged, boltless flanges, etc., unions, 400 odchaux bldg, New Orleans, La.
W. J., & Co., cornices & skylights, Tampa, Fla.
Wood Piano Player Co., Kansas City, Mo.
man, C. M., masons' & bldrs. matls., Versailles, Ky.
ville Canning Co., Berryville, Ark.
ville Milling Co., flour mills, Berryville, Ark.
E. & Co., iron, steel & rubber scrap, 330 S. Del. av, hiladelphia, Pa.
hbach & Herz, cornices, 634 Gratiot av, Detroit, Mich.
Mfg. Co., wood skewers, Saginaw, Mich.
ed Forming Tool Co., 771 Mather, Chicago, Ill.
ls, W. B. & Son Co., Inc., wash boilers, dinner pails, steel runs, tin, oil & plain & lithographed cans for every pur- ose, etc., Wilkes-Barre, Pa.
lsen Adjustable Grille Co. 2117 S. Troy, Chicago, Ill.
lsen, John, cornices, Rock Island, Ill.
lsen & Petersen Eng. Co., engines, 256 Border, Boston, Mass
lsman, Glenn Co., screw mach. products, 1119 Hamilton v, Indianapolis, Ind.
a Coal Co., bituminous, Chamber of Commerce bldg, Pitts- urgh, Pa.
a Mineral Co., zinc, Pulaski, Va.
e, Albert, fndrs., 763 Patterson av, Jersey City, N. J.
elet, H., Sewer Pipe Co., 4th & Montana avs, Milwaukee, Vis.
old & Jennings Lbr. Co., Arcade bldg, St. Louis, Mo.
oldt, H. C., cornices, Menominee, Mich.
e Cotton Oil Co., Aulander, N. C.
g Bros., ties, Paragould, Ark.
e, H., & Son, contractors, Newport, Ky.
er's, S., Sons Co., brick, Manitowoc, Wis.

Bertling, Paul C. & Son, Galvanizing & Sheet Metal Wks., cornices, Hancock & 18th, Detroit, Mich.
Bertolet & Hunter silica sand, Temple, Pa.
Bertolette Mach. Tool Co., machy. dlrs., new & sec. hd., 220-228 Orient av, Jersey City, N. J.
Bertrand & Chamberlin, architects, N. W. Bk. Bldg., Minneapolis, Minn.
Bertsch & Co., machs. & fdrs., Cambridge City, Ind.
Bertz, Earle A., architect, 68 Post, San Francisco, Cal.
Berube, Alfred A., architect, Grand Central Palace, New York.
Berwick Lumber Co., Ltd., Cleo & Freret, New Orleans, La.
Berwin Knitting Mills, 424 Bainbridge, Brooklyn, N. Y.
Berwind Lbr. Co., Berwind, W. Va.
Berzen, Nat. E., scrap rubber, 232 South, New York.
Besarick, Wm. H., archit't, 64 Segamore, Boston, Mass.
Besarick, Wm. H., architect, 15 School, Boston, Mass.
Be Saw Tire & Rubber Co., Hartville, Ohio.
Beseler, Chas. Co., stereopticons, 131 E. 23d, New York.
Beseler Oxygen Co., 131 E. 23d, New York.
Beseman, E. J., cornices, 731 San Fernando, Los Angeles, Cal.
Beshers, Robt. L., canned goods, El Paso, Ill.
Beshore, Chas., & Co., cornices, Marion, Ind.
Besly, Chas. H., & Co., machst., mill & facty. tools & supplies, disc grinders, taps, etc., 128 N. Clinton, Chicago, Ill.
Bessel, Wesley, arch't, 56 W. 45th, New York.
Bessell, Wesley S., architect, 56 W. 45th, New York.
Bessman, Samuel P., architect, 20 Clinton, Newark, N. J.
Bessemer Fire Brick Co., Birmingham, Ala.
Bessemer Foundry Co., fndrs., Grove City, Pa.
Bessemer Fdry. & Mach. Co., Bessemer, Ala.
Bessemer Gas Engine Co., Grove City, Pa.
Bessemer Limestone Co., Youngstown, Ohio.
Bessemer Motor Truck Co., Grove City, Pa.
Bessemer Refining Co., petroleum, Titusville, Pa.
Bessemer Soil Pipe Works of the N. O. Nelson Mfg. Co., Bessemer, Ala.
Besser, Edwin E., Co., Inc., toys, 41 Union sq, New York.
Besser Mfg. Co., machy., Alpena, Mich.
Bessie Furnace Co., Oliver Bldg., Pittsburgh, Pa.
Best Brothers Keen's Cement Co., Medicine Lodge, Kans.
Best Builders' Supply Co., Marion Bldg., Cleveland, Ohio.
Best, C. L., Gas Traction Co., Oakland, Cal.
Best-Clymer Mfg. Co., canned goods, Virginia & Davis, St. Louis, Mo.
Best Co., power plant piping, steam fitters' supps., Arrott bldg, Pittsburgh, Pa.
Best, E., Plumbing, Htg. & Supply Co., Quincy, Ill.
Best, Edw. H., & Co., felt blankets, 222 Purchase, Boston, Mass.
Best Elec. Co., Vanadium Bldg., Pittsburgh, Pa.
Best Foundry Co., Bedford, Ohio.
Best, H. D., Co., contractors, 52 Vanderbilt av, New York.
Best, J. A., & Co., cornices & skylights, Allentown, Pa.
Best, John H., & Sons, display racks, Galva, Ill.
Best, Jos. B., contractor, Woodbury, N. J.
Best Karl I. & Co., architects, 6523 Euclid av, Cleveland, Ohio.
Best, L. Co., emery wheel mfrs., 75 Barclay, New York.
Best Light Co., machst. & fdrs., 479 2nd, N. E., Canton, Ohio.
Best Mfg. Co., advtg. nov. & spec., New Haven, Conn.
Best Mfg. Co., bank fixtures & sash doors, Peoria, Ill.
Best Mfg. Co., castings, A & 1st, Pittsburgh, Pa.
Best Mfg. Co., fly killers, Charlotte, Mich.
Best Mfg. Co., plumbers' supplies, jobbers, 4610 St. Clair av, Cleveland, Ohio.
Best Register Co., registers & grilles, 15th & Oklahoma Av, Milwaukee, Wis.
Best, Richard, lead pencils, 54 Lafayette, New York.
Best Stove Co., gas stoves and ranges, 39 Atwater av, Detroit, Mich.
Best, W. N., Inc., metal furnace mfrs., 11 B'way, New York.
Betaw Tire & Rubber Co., Hartville, Ohio.
Betcher, Chas., Lbr. Co., Red Wing, Minn.
Bethania Stock Co., flour, Bethania, N. C.
Bethany Canning Co., Bethany, Mo.
Bethel, Geo. D., sash, door & blind mfrs., Antwerp, N. Y.
Bethlehem Coal Co., Fairmont, W. Va.
Bethlehem Construction Co., Bethlehem, Pa.
Bethlehem Fabricators, Inc., steel structural wk. & coal breakers blgs., Bethlehem, Pa.
Bethlehem Foundry & Machine Co., Bethlehem, Pa.
Bethlehem Lime & Stone Co., Bethlehem, Pa.
Bethlehem Motor Corp'n, Allentown, Pa.
Bethlehem Paint Co., Bethlehem, Pa.
Bethlehem Roofing & Metal Wks., Bethlehem, Pa.
Bethlehem Shipbldg. Corp., South Bethlehem, Pa.
Bethlehem Steel Bridge Corp., So. Bethlehem, Pa.
Bethlehem Steel Co., iron & steel mfrs., S. Bethlehem, Pa.
Bethlehem Snap Fastener Co., 1013 Myrtle av, Brooklyn, N. Y.
Bethman, August, willow ware mfr., Dublin, Pa.
Bethume & Fuchs, architects, 215 Franklin, Buffalo, N. Y.
Betkouskie, Martin F., plastic orna., Los Angeles, Cal.
Betson Plastic Fire Brick Co., Rome, N. Y.
Betsey Ross Flag Co., Newburgh, N. Y.
Bettcher, Geo. L., architect, Empire Bldg., Denver, Colo.
Bettcher Stamping & Mfg. Co., sheet metal stamping, 6120 Clark av, Cleveland, Ohio. *See adv index at end of book*
Bettendorf Co., cars, Bettendorf, Ia.
Bettendorf Oxygen-Hydrogen Co., Bettendorf, Ia.
Bettendorf Stone Co., Bettendorf, Ia.

Better, Jos., stone producer, New Philadelphia, Ohio.
Better Way Products Co., cereal foods, San Diego, Cal.
Betterman, Reinhold, boiler flue plugs, Johnstown, Pa.
Bettes, A. O., Mfg. Co., metal polish, 1208 E. 12th, Kansas City, Mo.
Bettes & Ebsen, automobile & mill & factory supplies, 152 Chambers, New York. *See adv index at end of book.*
Bettes, H. S., Hardware Co., Paris, Tex.
Bettis, H., Co., cooperage stock, Wheeling, W. Va.
Bettler, C. L. & Son, boxes—rural mail, Wapello, Ia.
Betton, Chas. L., architect, 31 Exchange, Lynn, Mass.
Betton, J. M., sand blast machs., etc., 59 Pearl, New York.
Betts, Anson G. & Co., lbr., chrom. ores, manganese ores, iron ores, Asheville, N. C.
Betts & Betts Corp., welding & cutting apparatus & signs, motors, etc., 513 W. 42nd, New York.
Betts, C. F., contr., Sioux City, Ia.
Betts, Chas. M., & Co., Lbr., Hertel av & Niagara River, Buffalo, N. Y., & Bailey Bldg., Philadelphia, Pa.
Betts Machine Co., heavy duty machine tools, 420 Blossom rd, Rochester, N. Y. *See adv index at end of book*
Betts Spring Co., 888 Folsom, San Francisco, Cal.
Betts Supply Co., mill & facty. supplies, 406 S. Franklin, Syracuse, N. Y.
Betts, W. L., machsts., Petroleum Center, Pa.
Betty & Sons, lbr., Montgomery, Ala.
Betz Bros., metal covered doors, 34 James av, Jersey City, N. J.
Betz, C. F., contractor Sioux City Ia.
Betz, Frank S., Co., machsts., Hammond, Ind.
Betz, Gerard W., architect, Kingston, N. Y.
Betz, Jacob, stone producers, Lancaster, Pa.
Betz-Pierce Co., airplane parts, nickel steel merchants, 2230 E. 9th, Cleveland, Ohio.
Betzler, Geo. J., contractor, 2622 Marshall, Minneapolis, Minn.
Beuchner & Orth, architects, Shubert Bldg., St. Paul, Minn.
Beucler, L. A., & Co., masons' & bldrs. matls., Mowrytown, O.
Beuerlein, F. X., mchsts. & fdrs., Lawrenceburg, Tenn.
Beutel, H. M., architect, First Nat'l Bk. Bldg., El Paso, Tex.
Beutel Pickling & Canning Co., Bay City, Mich.
Beuthin, Chas. F. W., mchsts. & fdrs., Prairie Du Chien, Wis.
Beuttell Hy., & Sons, linoleum mfrs., 114 5th av, New York.
Beuttler & Arnold, architects, Grain Exchange bldg, Sioux City, Ia.
Beuttler, John F., architect, Phelan Bldg., San Francisco, Cal.
Beveridge Paper Co., Indianapolis, Ind.
Beveridge, S. T. & Co., fertilizer mfrs., Richmond, Va.
Beveridge & Taylor, Inc., wagon spokes, Bristol, Tenn.
Beveridge, W. H., Jr., contractor, Richmond, Va.
Beverley, R. C., Heating Co., heating contractors, 9 N. 7th, Richmond, Va.
Beverly Mfg. Co., pennant mfrs., Staunton, Va.
Beverly Textile Mills, Beverly, N. J.
Beverly, W. E., lumber, Thomasville, Ga.
Beverstock, O. D., Co., plant sticks, rims—sieve & riddle, Keene, N. H.
Bevin Bros. Mfg. Co., mchsts. & fdrs., East Hampton, Conn.
Bevins, Chas. L., architect, Jamestown, R. I.
Bevis Rock Salt Co., Arcade bldg, St. Louis, Mo.
Bewley, Geo. P., lbr., Berwyn, Md.
Bewley Mills, flour, Ft. Worth, Tex.
Bexall, W. W. & Co., railroad contrs., Roanoke, Va.
Beyer, F. D., & Co., masons' & bldrs. matls., Tyrone, Pa.
Beyer, Max J., architect, 79 River, Hoboken, N. J.
Beyerle, J. J., Mfg. Co., dress shields, 81 S. 5th, B'klyn, N. Y.
Beyerlein, John N., carriages, 5336 South Park av, Chicago, Ill.
Beyster Bros., contractors, 1964 Fort W., Detroit, Mich.
Beyster Jno., lumber, 875 Fort, W. Detroit, Mich.
B. & H. Fibre Mfg. Co., talking mach. needles, 35 W. Kinzie, Chicago, Ill.
B. & H. Supply Co., whol. hdwe., contrs., mill & facty. supplies, 115 Mathewson, Providence, R. I.
Bialek, Wm., machsts., Terre Haute, Ind.
Bianchi, Chas., & Sons, granite, Barre, Vt.
Bianchi, G. R., Granite Co., Montpelier, Vt.
Bibb, B. C., Stove Co., 109 Light, Baltimore, Md.
Bibb Brick Co., Macon, Ga.
Bibb Mfg. Co., cordage & twine, Macon, Ga.
Bibb Sewer Pipe Co., Macon, Ga.
Biberstein, R. C., architect, Charlotte, N. C.
Bicalky Fan Co., Buffalo, N. Y.
Bichler Mfg. Co., boilers, stacks, steel plate wk., etc., St. Joseph, Mo.
Bick, J. N., concrete steel construction, Toledo, Ohio.
Bick, Jacob N., contractor, The Nasby, Toledo, O.
Bickel, Chas., architect, May Bldg., Pittsburgh, Pa.
Bickel, Chas. F., Co., Inc., dredging contrs., 30 Church, N. Y.
Bickel, Chas. H., architect, New York bldg, Seattle, Wash.
Bickel Hy., Co., contrs., Louisville, Ky.
Bickel, T. W., mach. & fdr., Alva, Okla.
Bickelhaupt, Geo., green house bldrs., 722 11th av, New York.
Bickerstaff Brick Co., Brickyard, Ala.
Bickett Machine & Mfg. Co., bench milling machines, Cincinnati, Ohio.
Bickford Bros. Co., hammock mfrs., Rochester, N. Y.
Bickford Fire Brick Co., Curwensville, Pa.
Bickford & Francis Belting Co., 34 Pearl, Buffalo, N. Y.
Bickford, H., & Co., boring & turning mills mfrs., Lakeport, N. H.
Bickford, H. H., architect, 118 Lake, Elmira, N. Y.
Bickford, H. M., Co., lumber, 70 Kilby, Boston, Mass.
Bickford, John H. Co., architects, 40 Central, Boston, Mass
Bickford Machine Co., see Greenfield Top & Die Corporat Greenfield, Mass.
Bickhardt, Andrew, cornices, 3540 Bronx blvd, New York.
Bickhaus File Co., Quincy, Ill.
Bicking Paper Co., presses, 111 N. 2nd, Philadelphia, Pa.
Bicking, S. Austin, Paper Mfg. Co., box bd mfrs. & inden paper, East Downingtown, Pa.
Bickmore Gall Cure Co., Old Town, Me.
Bicknell, Geo. H., Co., boot & shoe counters, Weymouth, Ma
Bicknell Mfg. & Supply Co., wholesale hardware & mill & fa supps., Janesville, Wis.
Bicknell-Thomas Co., tap chucks, tapping attachments, ma & gauges, etc., mfrs., Greenfield, Mass.
Bickta, Chas. F., hair plastering, Wilmington, Del. ton, Del.
Bicycle Step Ladder Co., 6 W. Randolph, Chicago, Ill.
Biddeford Box Co., box shooks, Biddeford, Me.
Biddeford Variety Mfg. Co., wash boards, pastry boards, Biddeford, Me.
Biddison Mfg. Co., lubricators, Madison, Wis.
Biddle-Gaumer Co., fndrs., 3846 Lancaster av, Philadelphia,
Biddle Hardware Co. (see Supplee Biddle Hdwe. Co.)
Biddle, Jas. G., instruments (electrical testing, etc.), 1211 A Philadelphia, Pa.
Biddle Motor Car Co., Real Estate Trade bldg., Philadelphia,
Biddle Piano Co., 107 E. 128th, New York.
Biddle Purchasing Co., wholesale hardware, 105 Chambers, N York, & 208 S. La Salle, Chicago.
Biddle & Smart Co., automobile bodies, Amesbury, Mass.
Bidle, W. S., Co., steel hardening, 1411 E. 45th, Cleveland,
Bidtel Chemical Wks., Inc., 51 Front, New York.
Bidwell Foundry & Mach. Co., Sharon, Pa.
Bidwell, F. S., Co., masons' & bldrs. matls., Windsor Lo Conn.
Bidwell, J. C., & Co., mill & facty. supplies, Hartford, Conn
Bieber, Wm. S., flour mills, Clarkstown, Pa.
Biecker, Jos. H., contractor, First Nat. Bk. Bldg., Cincinnati
Biefield, O., & Co., mchsts. & fdrs., Watertown, Wis.
Bieg, Fred, Box Co., 40 Gold, New York.
Bieg, Hy., sinks & trays, 50 Wallabout, Brooklyn, N. Y.
Biegert, J. C., Machine Wks., shingle saw collars, Seattle, Wa
Biegler, Louis, Co., cornices, 167 N. Curtis, Chicago, Ill.
Biehl, Edward, common brick, Pana, Ill.
Biehl Iron Works, Inc., industrial cars & equipment, Read Pa. *See adv index at end of book*
Biehl's Carriage & Wagon Wks., Reading, Pa.
Bieker Bros. Co., masons' & bldrs.' matls., Hammond, Ind.
Biele, Chas. F. & Sons Co., drawn metal mouldings, 381 W. 12th, New York.
Bielecky Bros., Inc., willow ware mfrs., 705 3d av, New York.
Bielenberg, A., Co., color mfrs., 69 Front, New York.
Bielhen Fdry. & Mach. Wks., St. Joseph, Mo.
Bien-Pepperberg, architects, 37 E. 28th, New York.
Bien & Peters, masons' & bldrs.' matls., Belleville, Ill.
Bienville Lumber Co. (Ltd.), Alberta, La., & Forest, Miss.
Bier, Chas. W., architect, 219 6th, Pittsburgh, Pa.
Bierbaum-Dollar, heating & ventigating engrs., Buffalo, N. Y.
Bierman-Everett Fdry. Co., junction boxes, Irvington, N. J.
Bierman, F., & Sons, scrap rubber, St. Louis, Mo.
Bierman, John A., meat packers, Wilmington, Del.
Biersach & Niedermeyer Co., cornices, sheet metal doors, 220 5th, Milwaukee, Wis.
Biertuempfel Bros. Cork Co., 37 Av L, Newark, N. J.
Biesanz Stone Co., gravel washers, Winona, Minn.
Biescar Bros., bank & office railings, Los Angeles, Cal.
Biesenger, Geo. L., contractor, 865 Downington av, Salt L City, Utah.
Bies, J., fnder., Michigan City, Ind.
Biever, A. W., Plumbing & Htg. Co., Aurora, Ill.
Big Bay Lumber Co., 2345 Loomis, Chicago, Ill.
Big Bend Milling Co., flour, Davenport, Wash.
Big Creek Coal Co., 122 S. Michigan av, Chicago, Ill.
Big Creek Shingle Co., lumber mfrs., Tacoma, Wash.
Big Creek Timber Co., lumber, Aberdeen, Wash.
Big Diamond Mills Co., feed, 922 Flour Exch., Minneapolis, M
Big Falls Paper Co., Rock City Falls, N. Y.
Big Four Canning Co., Stanley, Wis.
Big Four Clay Co., Canton and Malvern, Ohio.
Big Four Crushed Stone Co., Ingalls, Ind., and Van Wert, O
Big Four Stone Co., New Point, Ind.
Big Lalkehatchie Cypress Co., lbr., Varnville, S. C.
Big Pine Lumber Co., Ltd., Colfax, La.
Big Rock Stone & Construction Co., Little Rock, Ark.
Big Run Mfg. Co., cooperage, Allentown, Pa.
Big Sandy Hardware Co., Paintsville, Ky.
Big Sandy Lbr. Co., Hull, Ala.
Big Sandy Milling Co., flour, Louisa, Ky.
Big Savage Fire Brick Co., Frostburg, Md.
Big Vein Mining Co., coal, Terre Haute, Ind.
Bigelow Bros., lumber, Bowling Green, Ohio
Bigelow Bros. & Walker Co., lumber mfrs., 5 N. La Salle, C cago, Ill.
Bigelow, Cheney, Wire Wks., Springfield, Mass
Bigelow Co., boilers, machsts., etc., New Haven, Conn.
Bigelow-Cooper Co., lbr., Bay City, Mich.

w, Donovan & Hettler, whol. hdwe. & mill & facty. supplies, 229 Franklin, Boston, Mass.
w & Dowse Co., whol. hdwe. & mill & facty. supplies, 229 ranklin, Boston, Mass.
w, F. A., & Son, masons' & bldrs.' matls., Peninsula, Ohio.
w, Kennard & Co., elec. & gas light fix. mfrs., 511 Washgton, Boston, Mas.
w Varnish Co., 87 Oliver, Newark, N. J.
w, W. C., paper & pulp mill architect, Biddeford, Me.
w & Dadsworth, architects, 3 Hamilton pl, Boston, Mass.
Leonard, canned goods, Kenton, Del.
, C. H., architect, Bakersfield, Cal.
r Bros., loose pulley oilers, Oneida, N. Y.
, J. W., architect, West Tampa, Fla.
, Chas. P., Co., founders, 1829 Harlin, Philadelphia, Pa.
, Frederic, architect, Polytechnic Institute, Auburn, Ala.
s Thos., contractor, Waynesburg, Pa
B. F., Co., masons' & bldrs.' matls., Pomeroy, Ohio.
B. F., Pump Co., Lafayette, Ind.
Boiler Works Co., boilers, tanks, vulcanizers, Case av & Williams, Akron, Ohio. *See adv index at end of book.*
D. M., & Co., contractors, 60 Marsh, Boston, Mass.
E. W., & Co., tallow, Kansas City, Mo.
Heating Co., heating contractors, 917 H, N. W., Washingon, D. C.
& Son, contractors, Springfield, Ill.
Wm., contractor, Ann Arbor, Mich.
Watterson Co., machy. dlrs. & traveling cranes, 1237 W. h, Cleveland, Ohio.
rt Producing & Refining Co., petroleum, Tulsa, Okla.
, S. L. (Est. of), common brick, Harrisburg, Pa.
, E. Co., brick & tile, New London, Ohio.
l Co., machsts. & fndrs., Medina, N. Y.
l & Keeler Machine Works, dies, grinders, pipe & tube mill achy., Edwardsville, Ill
, C. I. Construction Co., 898 Westminster, Providence, I.
, E. H., constr. See Bigney, C. I., Constr. Co. (successor).
, Marion E., wood handles, Moores Hill, Ind.
& Wolff Co., lamp black mfrs., Ash & Almond, Phila., Pa.
Motor Appliance Co., electric lighting systems & starters r automobiles & motor boats, 15th & Garden, Hoboken, J.
Henry F., architect, 3301 Gough, Baltimore, Md.
eral Fire Hose Co., 326 W. Madison, Chicago, Ill.
g, E. W., & Son, contrs., Burlington, Vt.
Stephen, Co., embossed mouldings, 2117 S. Troy, Chicago, l.
N. D., & Co., masons' & bldrs.' matls., St. Joseph, Mo.
, Nicholas, Webbing Co., 2636 N. Hutchinson, Phila., Pa.
, S. L., contractors, Shamokin, Pa.
n Machine Wks., gears and gear cutting machinery, 1231 pring Garden, Philadelphia, Pa.
n Bros., organs, 133 W. Lake, Chicago, Ill.
ell & Co., flour mills, Ogdensburg, N. Y.
Hans, & Co., sash, door & blind, Marshfield, Wis.
John, contractor, 460 Montgomery, San Francisco, Cal.
& Spawn, cornices, 114 1st, New York.
gham Brass & Mach. Co., Trenton, N. J.
gs,-Brown Co., belt dressing, Cleveland, Ohio.
gs Canning Co., Billings, Mo.
gs-Chapin Co., paint mfrs., 1163 E. 40th, Cleveland, Ohio
gs, D. L., & Co., pipe hangers, 762 Dudley, Boston, Mass.
gs Hardware Co., Billings, Mont.
gs Lbr. & Coal Co., sashes, doors, etc., Billings, Mont.
gs, Paul, & Sons, masons' & bldrs. matls., & mill & facty upplies, Tunkhannock, Pa.
gs Sidewalk & Coal Co., Hartford, Conn.
gs & Spencer Co., hdwe. mfrs.; machsts. tools; drop forg g, etc., Hartford, Conn.
gs Union Trowel Wks., Irvington, N. J.
sley, R., contractor, Plymouth bldg, Minneapolis, Minn.
ton, Jas. H., Co., mill & facty. supplies, 113 Chestnut hiladelphia, Pa.
yer, A. F., architect, Grand Rapids, Wis.
yer Lbr. Co., Cumberland, Md.
-Firestone Co., spring beds, Columbus, Ohio.
st, T. E., architect, Vandergrift Bldg., Pittsburgh, Pa.
om, Nels J., machinist, Rockford, Ill.
s. C., Son & Co., agricultural implements, Norfolk, Va.
Canning Co., Biloxi, Miss.
re Wheat Hearts Co., Asheville, N. C.
Machine Tool Co. (The), gear milling & plain horizontal illing, rivetting & drilling machines; mfrs., Bridgeport. onn.
ell Sign System Elec. Co., 115 E. 15th, New York.
Ashcroft Mfg. Co., wagon spokes, Poplar Bluff, Mo.
Ashcroft Mfg. Co., wagon spokes, Dermoth, Ark.
Spoke & Auto. Wheel Co., Portland, Ind.
Bros., common brick, Emaus, Pa.
Elevator & Electric Co., Birmingham, Ala.
, John F., kitchen boilers, 6 W. Lake, Chicago, Ill.
& Binder, architects, 255½ S. 1st, San Jose, Cal.
y Hdwe. & Mfg. Co., tin plate, metals, etc., Pittsb'gh, Pa.
d, Jos., & Sons, masons' & bldrs.' matls., Crawfordsville id.
& Bing Constr. Co., Inc., 119 W. 40th, New York.

Bing Bros., mechl. toys, games, etc., 381 4th av, New York.
Bing, John, churns, alcohol stoves, 381 4th av, New York.
Bingen Brick Co. (Ltd.), South Bethlehem, Pa.
Binger Co., Inc., advtg. signs, 43 W. 13th, New York.
Bingham Bros., masons' & bldrs.' matls., New Ulm, Minn.
Bingham Hdwe. Co., Superior, Wis.
Bingham, J. B., packing box mfr., Bennington, Vt.
Bingham, J. F., Mfg. Co., tinware, Lawrence, Mass.
**Bingham Lbr. Co., Bingham, Me.**
Bingham Mills, flour, Talladega, Ala.
Bingham-Shelley Co., contractors, Platt Bldg., Portland, Ore.
Bingham & Taylor, founders, Ellicott sq., Buffalo, N. Y.
Bingham Trunk Co., 39 Mechanic, Buffalo, N. Y.
Bingham, W., Co., whol. hdwe. & mill & facty. supplies, 1278 W. 9th, Cleveland, Ohio.
Binghamton Boiler Compound Co., Binghamton, N. Y.
Binghamton Brick Co., Binghamton, N. Y.
Binghamton Flexible Shaft Co., Binghamton, N. Y.
Binghamton Glass Co., Binghamton, N. Y.
Binghamton Hdwe. Spec. Co., Binghamton, N. Y.
Binghamton Mach. Wks., centering machs., Binghamton, N. Y.
Binghamton Mfg. Co., coal chutes, Binghamton, N. Y.
**Binghamton Metal & Paper Co., scrap rubber, Binghamton, N. Y.**
**Binghamton Oil Refg. Co., lubrg., Binghamton, N. Y.**
**Binghamton Paving Block Co., brick, Binghamton, N. Y.**
Binghamton Washing Mach., clothes washers, Binghamton, N. Y.
**Binghamton Whip Co., stocks & lashes, Binghamton, N. Y.**
Bings Weedless Fish Hook Co., 84 Loan & Trust, Milwaukee, Wis.
Binkley Buggy Co., carriages, Tipton, Ind.
Binner, Theo., archl. decorators, 423 14th, San Francisco, Cal.
Binney, Arthur, naval architects, 70 Kilby, Boston, Mass.
Binney Machine Wks., Big Rapids, Mich.
Binney & Smith Co., clays, minerals, etc., 81 Fulton, New York.
Binns, Hy., fndrs., Passaic, N. J.
Binns Patent Band Co., tinsel cords, tex. machy (spindle hook bands), 1842 Gtn. av, Philadelphia, Pa.
Binns, Wm. H., machinist, 416 Harrison, San Francisco, Cal.
Binswanger, B. & Co., paint mfrs., 329 N. 3rd, Philadelphia, Pa.
Binswanger & Co., glass, Richmond, Va.
Binswanger, H. P., clays, ores, minerals, 7 W. 16th, New York.
Biograph Co., moving picture films, 807 E. 175th, New York.
Bippus, Jacob, & Son, contrs., Evansville, Ind.
Bippus Tile Co., Bippus, Ind.
Birch & Bassett, masons' & bldrs. matls., Dover, N. J.
Birch & Birch, machs. & fdrs., Crawfordsville, Ind.
Birch Bros., mill & facty. supplies, tex. mchy., Somerville, Mass.
Birch Hintz Mfg. Co., See Hintz Mfg. Co. (successor).
Birch, Jas. H., ambulances, carriages, Burlington, N. J.
Birch Mfg. Co., coal chutes & garbage receivers, 1276 Clybourn av, Chicago, Ill.
**Birch Motor Car Co., 81 E. Madison, Chicago, Ill.**
Birch, S., & Sons Constr. Co., concrete posts, Fargo, N. D.
**Birch Valley Lbr. Co., Tioga, W. Va.**
Birchard Construction Co., contractor, Lincoln, Neb.
Bircher, Geo., fndrs., 716 Cherry, Philadelphia, Pa.
Bird, A. J., lime Rockland, Me.
Bird-Archer Co., boiler compounds, 90 West, New York.
Bird, Christopher, contractor, 95 Greenwood pl, Buffalo, N. Y.
Bird Fastener Co., 225 5th av, New York.
Bird, J. A. & W., & Co., chemical importers & mfrs. agts., 88 Pearl, Boston, Mass.
Bird Japanning Co., tinning & japanning, Boston, Mass.
Bird, Louis Francis, architect, South Orange, N. J.
Bird Machine Co., rotary screens for paper mills, E. Walpole, Mass.
Bird, Louis F., landscape architect, 156 5th av, New York.
Bird, Rymer Co., gas elect. fixtures, 332 12th, Oakland, Cal.
Bird & Son, building & roofing papers, floor coverings, fibre cases, and special paper products mfrs., E. Walpole, Mass.
Bird, Thos. J., arch'l engrs., 103 Park av, New York.
Bird Varnish Co., glue mfrs., 202 Main, Cincinnati, Ohio.
Bird, W. M., & Co., mill & facty. supplies, Charleston, S. C.
Bird, Wm. E., galvanizing wks., 17 Border, Boston, Mass.
Birdsall Bros. Co., blankets, flannels, woolen, Honesdale, Pa.
Birdsall Engine Co., saw mill machy., Newark, N. Y.
Birdsall-Griffith Constr. Co., Racine, Wis.
Birdsall, W. A., & Co., fndrs., 44 Mechanic, Newark, N. J.
Birdsboro Iron & Steel Breaking Co. (Ltd.), scrap iron, Birdsboro, Pa.
Birdsall, C. K., architect, 55 Liberty, New York.
Birdsboro Steel Fndry. & Mach. Co., Birdsboro, Pa.
**Birdsboro Stone Co., Land Title bldg., Phila. & Birdsboro, Pa.**
Birdsell Mfg. Co., mfrs. agricultural implements, So. Bend, Ind.
Birdsong, Mason, mchsts., Bolton, Miss.
Birge, Charles E., architect, 29 W. 34th, New York.
Birge, M. H., & Sons Co., wall paper mfrs., Buffalo, N. Y.
Birk, Jno., Co., surgical instruments, 310 S. 3d, Louisville, Ky.
Birkelbach, Frank U., contractor, Richmond Bldg., Phila. Pa.
Birkenmeier & Kuhm Co., whol. hdwe., 529 Clinton av, Newark, N. J.
Birkenstein, S., & Sons, brass ingots, etc., 377 W. Ontario, Chicago, Ill.
Birkett, A. S., mchsts. & fdrs., Clayton, Ill.
Birkett Mills, flour, Penn Yann, N. Y.
Birkle, John A., lumber, Williamsport, Pa.
Birkle Mach. Works countershafts, pulleys, etc., 1128 S. Clinton, Chicago, Ill.
Birkmeyer, Mescher & Co., brick & tile, Cold Water, Ohio.

Birkmire, Wm. H., architect, 1133 B'way, New York.
Birley, Geo. H., contractor, Hackensack, N. J.
Birmingham Blue Print Co., Birmingham, Ala.
Birmingham Buggy Co., Birmingham, Ala.
Birmingham Bldg. & Imp. Co., American Trust ldg., Birmingham, Ala.
Birmingham Carriage & Wagon Co., Birmingham, Ala.
Birmingham Fertilizer Co., Birmingham, Ala.
Birmingham Hide & Tallow Co., Birmingham, Ala.
Birmingham Iron Fdry., Derby, Conn.
Birmingham, J. Edw., architect, Warburton Bldg., Yonkers, N. Y.
Birmingham Mach. & Fdry. Co., Corliss engines, castings, etc., Birmingham, Ala.
Birmingham Packing Co., Birmingham, Ala.
Birmingham Paint & Glass Co., Birmingham, Ala.
Birmingham Rail & Locomotive Co., Birmingham, Ala.
Birmingham Saw Works, Birmingham, Ala.
Birmingham Slag Co., Jeff. Co. Bk. Bldg., Birmingham, Ala.
Birmingham Steel Corp., Birmingham, Ala.
Birmingham Stove & Range Co., Birmingham, Ala.
Birmingham Supply Co., masons' & bldrs. matls., S. 17th, Ptg., Pa.
Birmingham Trunk Factory, Birmingham, Ala.
Birnbaum Bros. & Sack, scrap tin, rubber & brass, 133 Roosevelt, New York.
Birnbaum, Wm., smoking pipes, 67 Nassau, New York.
Birnie & Diack, granite, S. Quincy, Quincy, Mass.
Birnie Paper Co., envelopes, Springfield, Mass.
Birt Bros., lumber, Burkettsville, Ohio.
Birtman, C. F., elec. hair dryers, 163 N. Wabash av, Chicago, Ill.
Birtman Elec. Co., Lake & Desplaines, Chicago, Ill.
Birtwell, H. B., mchy. dlrs., Chester, Pa.
Birtwell, W. L., machy. dlrs., Philadelphia, Pa.
Birtwistle, E. S., aluminum solder, 148 N. J. R. R. av, Newark, N. J.
Bisbee, Henry V., architect, Fairhaven, Mass.
Bisch, Geo. F., mchsts., Springfield, Ill.
Bischof's, Wm. Sons, masons' & bldrs. matls., Nebraska City, Neb.
Bischoff, C., & Co., chemical, color, & gelatine imptrs. & mfrs., 451 Washington, New York.
Biscoe, M. B., architect, Exchange Bldg., Denver, Colo.
Bisenius, G. L., Trunk Co., 360 Jackson, St. Paul, Minn.
Biser, G. W. & Co., canned goods, Berkeley Springs, W. Va.
Biset Brick Co., South River, N. J.
Bishop & Babcock Co., bottlers' machinery, vacuum pumps, etc., 1204 E. 55th, Cleveland, Ohio.
Bishop Bros., contractors, Northampton, Mass.
Bishop Bros. Quarry Co., Quincy, Mass.
Bishop Calculating Recorder Co., 233 B'way, New York.
Bishop, Chas., granite, S. Quincy, Quincy, Mass.
Bishop & Co., canned goods, Los Angeles, Cal.
Bishop, Dexter L., Co., lumber, Meriden, Conn.
Bishop & Dickinson, rattan furniture, Baldwinsville, Mass.
Bishop, E. K., Mill Co., lumber, Montesano, Wash.
Bishop, Geo. H., laundry mchy., 550 W. Washington, Chicago, Ill.
Bishop, George H., & Co., saws, Lawrenceburg, Ind.
Bishop-Gifford Co., Inc., canned goods, Baldwin, Long Island, N. Y.
Bishop Gutta-Percha Co., 420 E. 25th, New York.
Bishop, H. A., contractor, 208 S. La Salle, Chicago, Ill.
Bishop, J., & Co., electrodes, incinerators, platinum, etc., Malvern, Pa.
Bishop, J. W., Co., general building contractors, 101 Park av, New York, 683 Atlantic av & 109 Foster, Worcester, Mass.
Bishop, John H., contractors, 171 John, Bridgeport, Conn.
Bishop, Jos., granite, S. Quincy, Quincy, Mass.
Bishop, J. W., Co., gln. bldg. contrs., 101 Park av, New York & 109 Foster, Worcester, Mass.
Bishop Ladder Co., Hartford, Conn.
Bishop Leonard H., architect, Westhampton, N. Y.
Bishop & Lynes, masons' materials, Norwalk, Conn.
Bishop, R. & B., granite, Quincy, Mass.
Bishop, Robert, Mfg. Co., carpet linings, cotton & machine wipers, 157 W. 6th, Boston, Mass.
Bishop, Thos. R., architect, 35 S. Dearborn, Chicago, Ill.
Bishop, W. S., elec. plating dynamos, New Haven, Conn.
Bishopric Mfg. Co., wall boards, roofing, 1415 Este av, Cincinnati, Ohio.
Bishopric Products Co., brewers' pitch, Spring Grove & Este av, Cincinnati, Ohio.
Bisl.opp Hominy Co., Sheldon, Ill.
Bishop's, William, Sons, marine plumbing fixtures, 724 3d av, Brooklyn, N. Y.
Bishops, Wm., Sons, pumps, ship vents., etc., 18 James, New York.
Bisler, J. A., Inc., paper boxes, 245 N. 6th, Phila., Pa.
Bismarck Mill Co., lumber mfrs., Tacoma, Wash.
Bison Mfg. Co., cutlery mfrs., Little Valley, N. Y.
Bison Storage Battery Co., 24 E. Ferry, Buffalo, N. Y.
Bissell Carpet Sweeper Co., carpet sweepers, Grand Rapids, Mich.
Bissell, Edw. J., potato scoops, Milford, Mich.
Bissell & Erter, tile & brick, Cecil, O.
Bissell, F., Co., electrical supplies, Toledo, Ohio.
Bissell, Frank H., architect, 567 5th av, New York.
Bissel, L. B., architect, Yakima, Wash.
Bissell Lbr. Co., Marshfield, Wis.
Bissell & Sinkler, architects, Otis Bldg., Philadelphia, Pa.



Bissett, R. J., steamfitters' supplies, Guardian Bldg., Cleveland, Ohio.
Bissinger & Co., tallow, 454 Eureka av, San Francisco, Cal.
Bisson & Jodoin, cornices & skylights, 124 Franklin, Manchester, N. H.
Bisson, P., & Son, stone producers, Athens, Ga.
Bitoslag Paving Co., 90 West, New York.
Bittel, Wm., mill & facty. supplies, Peoria, Ill.
Bittenbender Co., whol. hdwe., mill & facty. supplies, contrs.' machsts.' tools, Scranton, Pa.
Bittenbender, Geo. H., & Son, machsts., Plymouth, Pa.
Bittenbender, W. W., & Co., machsts., Nanticoke, Pa.
Bitter, Jos., cornices, Sandusky, Ohio.
Bitterman, E., cornices & skylights, Lexington, Ky.
Bittinger, E. M., lime, Bittinger, Pa.
Bitting, Edward R., architect, South Bethlehem, Pa.
Bittles, Raser, handles, Greencastle, Ind.
Bittner, G. C., Co., pharmaceuticals, Toledo, Ohio.
Bittner, Louis, Lumber Co., Bellevue, Iowa.
Bittner Slate Co., roofing slate mfrs., Allentown, Pa.
Bitu-Mortar Waterproofing Co., 332 E. 27th, New York.
Bitu-Mo-Lin Products Co., Inc., glue & paint, Seattle, Wash.
Biturine Co., paints & enamels, 1 Drumm, San Francisco, Cal.
Bitzer, Chas., & Son, sweaters, cardigans, etc., 2513 E. Fletcher, Philadelphia, Pa.
Biwabik Mining Co., iron ores, Youngstown, Ohio.
Bix Janitor Supply Co., 116 N. 9th, St. Louis, Mo.
Bixby, Curtis W., architect, 8 Beacon, Boston, Mass.
Bixby, E. M., masons' & bldrs.' matls., Poultney, Vt.
Bixby, S. M., & Co., shoe blacking & polishes, 46th & 2d, Brooklyn, N. Y.
Bixler Coal & Coke Co., Fulton Bldg., Pittsburgh, Pa.
Bixler, J. P., & Sons, masons' & bldrs.' matls., Carlisle, Pa.
Bizzozero, E., granite, W. Quincy, Quincy, Mass.
Bjorge, Chas. N., architect, Grand Forks, N. D.
Bjork, A. E., contr., 133 W. Washington, Chicago, Ill.
Bjork Bros., contractors, 3811 Forest av, Chicago, Ill.
Bjorlund, Chas. A., contractor, 682 Dewey, Bridgeport, Conn.
Bjornson Sheet Metal Wks., cornices & skylights, Omaha, Neb.
**B. J. STAMPING CO., THE,** 1435-1437 Dorr, Toledo, Ohio
*See adv index at end of book*
Bjur Bros., pianos, Whitlock & Leggett avs, New York.
B. & K. Mfg. Co., drop forgings, guy anchors, clamps, etc., Britain, Conn.
Blabon, Geo. W., Co., linoleum mfrs., Nicetown, Philadelphia, Pa.
Blaby, Joseph H., architect, Palmyra, N. Y.
Black, A. S., burning brands, stencils, etc., 206 Longworth, Cincinnati, Ohio.
Black, A. W., & Son, architects, Security Bldg., St. Louis, Mo.
Black Bear Co., boiler compounds, 138 Temple, Long Island, N. Y.
Black & Boyd Mfg. Co., iron, bronze, 432 E. 23d, New York.
Black Bros., flour, Beatrice, Neb.
Black Mfg. Co., machinists & veneer presses, Mendota, Ill.
Black Builders' Supply Co., Marietta, Ga.
Black Cat Polish Co., 34 Washington, Buffalo, N. Y.
Black-Clawson Co., paper mill machinery, Hamilton, Ohio.
Black Construction Co. see Black Peel Co. (successor).
Black & Coulter Co., contractors, Columbia, S. C.
Black & Decker Mfg. Co., machinery mfrs., 111 S. Calvert, Baltimore, Md.
Black Diamond Co., trade publication, 431 S. Dearborn, Chicago, Ill.
Black Diamond Lbr. Co., Winlock, Wash.
Black Diamond Mfg. Co., paint mfrs., belt dressing, etc., Bank, Cincinnati, Ohio.
Black Diamond Paint & Varnish Wks., 1219 Bank, Cincinnati, Ohio.
Black Diamond Powder Co., Pittston, Pa.
Black Diamond Ribbon & Carbon Co., Rochester, N. Y.
Black Diamond Saw & Machine Wks., Natick, Mass.
Black Eagle Carriage Mfg. Co., Great Falls, Mont.
Black Furnace Co., Mount Vernon, Ohio.
Black & Gay, Inc., canners, Thomaston, Me.
Black, Geo., architect, Pawlet, Vt.
Black, W. H., & Son, contractor, Youngstown, Ohio.
Black Hdwe. Co., who. hdwe., Galveston, Tex.
Black Hawk Brick Co., Davenport, Ia.
Black Hawk Construction Co., Waterloo, Ia., & Freeport, Ill.
Black Hawk Fdy. & Mach. Co., Black Hawk, Colo.
Black Hawk Mfg. Co., machsts. & fndrs., Waterloo, Ia.
Black Hills Lime Co., Pringle, S. D.
Black, J. B., Co., machsts. & edge tools, Chester, Pa.
Black, J. Fred, architect, Middleboro, Mass.
Black, Jas., Masonry & Contracting Co., Wright Bldg, St. Louis, Mo.
Black, Jno., stone producer, Harrisburg, Pa.
Black, John H., Co., masons' & bldrs.' matls., Court & Buffalo, N. Y.
Black, K. L. & Co., Inc., contrs., 110 N. 7th, Richmond, Va.
Black Lake Lbr. & Shingle Mill Co., Creston, La.
Black, Lee, architect, Lansing, Mich
Black, M. J., & Sons, flour mills, Athens, Ala.
Black, P. F., Co., carriages, 2261 E. 14th, Cleveland, Ohio
Black-Peel Co., contractors, 20 W. Jackson, Chicago, Ill.
Black Planing Mill Co., 220 No. Church, West Chester, Pa

: Products Co., core compounds & flour, 135th & Calumet
av, Chicago, Ill.
: River Cypress Co., lbr., Gable, S. C.
: River Falls Lumber & Mercantile Assn., masons' & bldrs.
matls., Black River Falls, Wis.
:, Robt., & Co., lbr. mfrs., Bay City, Mich.
: Rock Mfg. Co., machinists, Bridgeport, Conn.
: Rock Wallboard Co., Black Rock, N. Y.
: Rock Wallboard Co., Military rd, Buffalo, N. Y.
: & Sell, contrs., 1515 Waren, Pittsburgh, Pa.
: Silk Stove Polish Works, Sterling, Ill.
:, Sivalls & Bryson, tanks, Bartlesville, Okla.
: Springs Lbr. Co., Womble, Ark.
: Steel & Wire Co., Kansas City, Mo.
: Warrior Lbr. Co., Knoxwood, Ala.
: Star Coal Co., 76 W. Monroe, Chicago, Ill.
:-Woods Mfg. Co., machinists, Peoria, Ill.
:all, Clapp & Whittemore, architects, 20 Beacon, Boston,
Mass.
:burn, John H., & Son, contractors, Staunton, Va.
:burn, J. T. D., masons' & bldrs. matls., Albany, N. Y.
:burn-Smith Corp., The, feed-water filter, 107 W. 40th, New
York.
:burn, S. P. & Co., mill & facty. supplies, 62 Broad, Boston,
Mass.
burn, S. P. Co., mill & facty. supplies, 15 Coenties slip, New
York.
burn Spec. Co., auto. locks, 3409 Perkins av, Cleveland, O.
burn Varnish Co., Dana & Flora Evanston, Cincinnati, O.
:er & Shepard Co., lumber, 409 Albany, Boston, Mass.
:ley, L. J., contractor, Lockport, N. Y.
:foot Farmers' Milling Co., Ltd., flour, Blackfoot, Idaho.
:ford, W. S. & A. V., mill & facty. supplies, Bonaparte, Ia.
:ford Window Glass Co., Vincennes, Ind.
:fox Brick Co., fire, 7 Wood, Pittsburgh, Pa.
hall Mfg. Co., machinery, 196 Seneca, Buffalo, N. Y.
:inton, R., & Co., silver nov., N. Attleboro, Mass.
:inton, V. H., & Co., emblems & badges, Attleboro Falls,
Mass.
iston Canning Co., Clayton, Del.
ledge, H., & Co., contractors, 25 Seventh, Norwich, Conn.
ledge, J. E., architect, 422 K. of P., Indianapolis, Ind.
man, C. A., & Co., lumber, Everett, Wash.
man Mach. Tool Co., 1513 N. B'way, St. Louis, Mo.
man, W. B., architect, Danbury, Conn.
mer Cut Glass Co., New Bedford, Mass.
mer & Post Pipe Co., vitrified sewer pipe, Boatmen's Bank
Bldg., St. Louis, Mo.
mer Rotary Pump Co., Petoskey, Mich.
more, John, machinist, Painesville, Ohio.
more Mfg. Co., mattresses, 309 S. Main, St. Louis, Mo.
shear Mfg. Co., fertilizer, Blackshear, Ga.
sher Co., lumber, Magazine & Mobile, Ala.
smith & Wheelwright, trade publication, 71 Murray, New
York.
stone Guano Co., fertilizer mfrs., Blackstone, Va.
stone Mach. Co., Pawtucket, R. I.
stone Mfg. Co., cotton sheetings, 50 S. Main, Providence,
R. I.
stone Mfg. Co., washing machines, Jamestown, N. Y.
stone Plow Wks., Blackstone, Va.
stone Reed & Harness Co., 41 Bayley, Pawtucket, R. I.
stone & Smith, contractors, Portland, Me.
well, J. E., architects, Northern Bk. & Trust Bldg., Seattle,
Wash.
well Brick Co., Blackwell, Okla.
well, F. E., advtg. nov. & spec., 630 Mission, San Francisco,
Cal.
well-Kaiser Lbr. Co., Park Falls, Wis.
well Lbr. Co., Cœur D'Alene, Idaho & Pardee, Va.
well Milling & Elevator Co., flour, Blackwell, Okla.
well, P. A., & Co., whol. hdwe. & mill & facty. supplies,
Henderson, Ky.
wood Coal & Coke Co., Blackwood, Va.
Printing & Paper Co., Toledo, Ohio.
n Tie & Lumber Co., Brunswick, Ga.
s, J. B., Lumber Co., Newbern, N. C.
, C. W., Co., mill & facty. supplies, 238 E. Third, Cincin-
nati, Ohio.
mar's, M., Sons, carriages, Pomeroy, Ohio.
n, Alfred O., Co., case hardening compounds, 1956 Cly-
bourn av, Chicago, Ill. *See adv index at end of book*
lell, S., Jr., Co., cotton waste, Chicopee, Mass.
e, Edwin K., architect, 67 Milk, Boston, Mass
e Bros. & Krasnov, 25 W. 20th, New York.
e-Mackay-Lee Co., flour mills, North East, Pa.
e Mfg. Co., lbr., Blaine, Wash.
e Shingle Co., lumber, Blaine, Wash.
Albert E., architect, Lawrence, Kans.
Alexander, architect, Macon, Ga.
Alegernon, contractor, Montgomery, Ala.
Campbell & McLean, Inc., sugar evaporators, Colonial
Trust bldg., Phila., Pa.
Canning Co., Blair, Me.
D., & Bros., common brick, Stanton & Black, Pittsb'gh, Pa.
Edgar, architect, 1426 Jackson, Seattle, Wash.
Engineering Co., 343 So. Dearborn, Chicago, Ill.

Blair, H. Crawford, archl. wood turning, 40 Clifford, Providence, R. I.
Blair Horse Collar Co., Blair, Neb.
Blair, J. C., Co., pads, Huntingdon, Pa.
Blair, J. F., cornices & skylights, Concordia, Kans.
Blair, J. H., architect, Boothbay, Me.
Blair, J. & J., Lumber Land Co., Placerville, Cal.
Blair, J. M., Brick Co., 409 Johnston Bldg., Cincinnati, Ohio.
Blair, J. T., Co., metal polish, Nashville, Tenn.
Blair L. R., Inc., universal joints, 50 Church, New York.
Blair Limestone Co., Pittsburgh, Pa.
Blair Lbr. Co., Kregor, Pa.
Blair Mfg. Co., lbr., Camden, N. J.
Blair Mfg. Co., mchsts., Springfield, Mass.
Blair Milling Co., flour, Atchison, Kans.
Blair Mills, damasks, cotton, Belton, S. C.
Blair Motor Truck Co., Newark, Ohio.
Blair & Son, mchsts. & fndrs., Waukesha, Wis.
Blair, Thos. P., Sheet Metal Co., San Diego, Cal.
Blair Tool & Mach. Wks., 521 Greenwich, New York.
Blair Veneer Co., chair seats, North Troy, Vt.
Blair, W. F., contrs., Waynesburg, Pa.
Blair, W. H., architect, Janesville, Wis.
Blair, Walter D., architect, 597 5th av, New York.
Blairsville Enamel Ware Co., mchsts. & fndrs., Blairsville, Pa.
Blairsville Mach. Co., Blairsville, Pa.
Blairsville Sanitary Co., lavatories, Blairsville, Pa.
Blaisdel, Wm. E., architect, Toppenish, Wash.
Blaisdell, Frank M., architect, Little Rock, Ark.
Blaisdell Machine Works, machinists, Vineland, N. J.
Blaisdell Milling Co., feed, 204 Met. Natl. Bank Bldg., Minneapolis, Minn.
Blaisdell, N., & Sons, ship bldrs., Bath, Me.
Blaisdell, Nathaniel, architect, 255 California, San Fran., Cal.
Blaisdell Paper Pencil Co., 141 Berkeley, Philadelphia, Pa.
Blaisdell, S. S., Mach. Co., 228 Aborn, Providence, R. I.
Blaisdell, W. B., & Co., granite, Franklin, Me.
Blak, Edward, mica, Newdale, N. C.
Blake, Edgar O., architect, Wilmette, Ill.
Blake, Chas. G., & Co., granite columns & mausoleum, 108 So. La Salle, Chicago, Ill.
Blake Const. Co., contrs., Appleton, Wis.
Blake, Edwin J., fndrs., Hartford, Conn.
Blake Elec. Mfg. Co., light switchboards, 1 Rowes Wharf, Boston, Mass.
Blake, Frank W., lumber mfrs., Norfolk, Va.
Blake, G. F., Mfg. Co., mchsts. & fdrs., 200 Devonshire, Boston, Mass.
Blake, Geo. F., Jr., & Co., wholesale hardware, Worcester, Mass.
Blake, H. A., & Son, mchsts. & fdrs., Cheboygan, Mich.
Blake, H., & Son, turbine water wheels, East Pepperell, Mass.
Blake & Higgins, paper mills, Bellows Falls, Vt.
Blake, J. M., & Son, wagons, Buffalo, N. Y.
Blake & Johnson Co., bolt, nut, rivet, screw & screw machine products, etc., mfrs., 1500 Thomaston av, Waterbury, Conn. *See adv index at end of book.*
Blake, John T., contractor, Madison, Wis.
Blake & Knowles Steam Pump Wks., 115 B'way, New York.
Blake-McFall Co., pads & tablets, Portland, Ore.
Blake Mfg. Co., name plates, Springfield, Mass.
Blakemore Constructions Co., contrs., New Orleans, La.
Blake Pump & Condenser Co., Fitchburg, Mass.
Blake Signal & Mfg. Co., 251 Causeway, Boston, Mass.
Blake Specialty Co., castings, couplings, ferrules, plugs, traps, etc., Rock Island, Ill.
Blake, T. E., architect, 52 Vanderbilt av, New York.
Blake, W. L., & Co., gasoline & kerosene engines, mill, factory, plumbers', steam & gasfitters' supplies, jobbers, Portland, Me.
Blakley Engine Co., rowboat motors, Muskegon, Mich.
Blakely Hdw. Lbr. Co., Blakely, Ga.
Blakely, John, & Son, cotton mops, 1089 Germantown av, Philadelphia, Pa.
Blakeley, Geo. C. S., Son, brick, Lynn, Mass.
Blakely, W. W., boring tools, 369 Edison, Detroit, Mich.
Blakeman, Chas., & Sons, pearl buttons, 236 Bank, Newark, N. J.
Blakemore, R. F., cornices & skylights, Fayetteville, Tenn.
Blaker, J. L., concrete cars, Blaker Mills, W. Va.
Blakeslee, C. W., & Sons, contractors, 58 Waverly, New Haven, Conn.
Blakeslee Forging Co., carriage hardware, forgings, etc., Plantsville, Conn.
Blakeslee, G. S., & Co., smoked beef shavers, W. 19th & S. 52nd av, Chicago, Ill.
Blakeslee Lumber Co., sash, door & blind, Pittsfield, Mass., & Albany, N. Y.
Blakeslee Mfg. Co., mchsts. & fdrs., Du Quoin, Ill.
Blakesley Novelty Co., cotton sleeving, Bristol, Conn.
Blakey-Clark Hardware Co., Ennis, Tex.
Blalock-Allen Hardware Co., Wadesboro, N. C.
Blanch Bros., contractors, Conshohocken, Pa.
Blanchard, A. H., cornices & skylights, Sacramento, Cal.
Blanchard Bros., advtg., nov., & spec., 19th, Brooklyn, N. Y.
Blanchard Bros., granite, Uxbridge, Mass.
Blanchard Bros., cornices & skylights, Napoleonville, La.
Blanchard Bros. & Lane, patent leather, 20 Bruen, Newark, N. J.
Blanchard Bros. Granite Co., Linwood, Mass.
Blanchard Building Co., contrs., 601 Rubold Bldg., Dayton, O.

Blanchard Co., advtg. post cards, Aurora, Ill.
Blanchard Coal Co., bituminous, Fulton bldg., Pittsburgh, Pa.
Blanchard-Crocker & Howell, contrs., 58 2nd, San Francisco, Cal.
Blanchard, Fred K., mill & facty. supplies, Troy, N. Y.
Blanchard, Geo. W., & Co., masons' & bldrs. matls., Winchester, Mass.
Blanchard, Henry J., mill & facty. supplies, 141 Milk, Boston, Mass.
Blanchard, Humber & Co., fertilizer, Columbus, Ga.
Blanchard, Huse Templeton, architect, 351 Lexington av, New York.
Blanchard, Isaac H., Co., advtg. spec., 418 W. 25th, New York.
Blanchard, James A., Co., insecticides, 30 Church, New York.
Blanchard Lumber Co., 126 State, Boston, Mass.
Blanchard Machine Co., high power vertical surface grinders, mfrs., Cambridge, Mass.
Blanchard Mfg. & Canning Co., Eastport, Me.
Blanchard, Wm. L., Co., contractors, 45 Poinier, Newark, N. J.
Blanchardville Lumber Co., Blanchardville, Wis.
Blanck, A. E., contractor, Battle Creek, Mich.
Blancke, A. C. & Co., steels, tools, etc., 116 S. Michigan av, Chicago, Ill. *See adv index at end of book*
Blancke, L. C., Co., Inc., drills, taps & tool steel, 10 Thomas, New York.
Bland, Jeff, Lbr. & Bldg. Co., Houston, Tex.
Bland, John I., & Co., contractors, Harrison Bldg., Phila., Pa.
Blandin Co., bobbin painting machs. & mill & facty. supplies, Lawrence, Mass.
Blanding, H. O., architect, Corsicana, Texas.
Blandon Rolling Mills, Blandon, Pa.
Blandy Paper Co., cardboard, Schuylerville, N. Y.
Blaney, Cyril C., babbit metal, 16 Kingston, Boston, Mass.
Blank & Gottshall, flour mills, Sunbury, Pa.
Blanke Mfg. & Supply Co., 3d & Wash av, St. Louis, Mo.
Blanke, W. F., Can & Mfg. Co., 116 Pine, St. Louis, Mo.
Blanke, E. G., architects, 213 N. Calvert, Baltimore, Md.
Blanks, H. E., Lbr. Co., Arcadia, Miss.
Blanks, J. C., flour mills, Woodbury, Tenn.
Blano Knox Co., contrs., 366 E. 30th, Chicago, Ill.
Blanton Milling Co., flour, Indianapolis, Ind.
Blasauf, John, machinist, 81 City Hall, San Francisco, Cal.
Blase, Hans, cantractor, 5019 Pensacola av, Chicago, Ill.
Blaser Auto Body Co., see Globe Body Co. (successor).
Blaser, E. G., brick & tile, Upper Sandusky, Ohio.
Blaisier-Sanborn Mfg. Co., fndrs., Utica, N. Y.
Blasius Piano Co., Woodbury, N. J.
Blasius & Sons, pianos, 40 S. 16th, Philadelphia, Pa.
Blassberg, M., mchsts. & fdrs., Turners Falls, Mass.
Blast Furnace & Steel Plant, trade publication, 108 Smithfield, Pittsburgh, Pa.
Blatch, N. S., Inc., contr., 50 E. 42d, New York.
Blatchford Calf Meal Co., Waukegan, Ill.
Blatchford, E. W., Co., antimony, pipe, metals, etc., 230 N. Clinton, Chicago, Ill.
Blatchley, Burton N., contractor, 902 Chapel, New Haven, Conn.
Blatt, S. & Co., elec. & gas light fixtures, 49 Elizabeth, New York
Blattner, Fred'k, machsts., 984 Grand, Brooklyn, N. Y.
Blatz, Val, Paint & Varnish Co., Louisville, Ky.
Blauvelt Knitting Co., 280 Pine, Newark, N. J.
Blauvelt Wiley Paper Mfg. Co., 135 Charlton, New York.
Blaw, Knox, Co., pressed & welded steel, iron poles & transmission towers, Freeport rd, Hoboken, Pa.
Blayer, Chr., cornices, 161 W. 145th, New York.
Blayz Paint & Varnish Co., Spencer, Toledo, Ohio.
Bleadon-Dun Co., surgical instruments, 15 S. Desplaines, Chicago, Ill.
Bleaman & Berg, bags and suit cases, 246 Spring, Paterson, N. J.
Bleazby Bros., toys, games & nov., 337 Woodward av, Detroit, Mich.
Blecher Bros., cornices, 43 1st, New York.
Blecher Bros. Co., cornices, 49 Northend av., Brooklyn, N. Y.
Blechner's, Albert, Sons, cornices, 677 Bergen av, New York.
Bleck, Wm. F., Co., sash, door & blind mfrs., 1846 N. Lamon av, Chicago, Ill
Bleckley, Haraison, architect, Esqking Bldg., Atlanta, Ga.
Bleecker, Aug., & Son, boat anchors, 5 Jones la, New York.
Bleecker, Rutger, & Co., peanut oils, 87 Wall, New York.
Bleecker, Wm. R., Oil Co., Albany, N. Y.
Blefgen, Hy. J., cornices, 868 N. 4th, Philadelphia, Pa.
Blehdon, V. R., tow, curled hair, Brisbane Bldg., Buffalo, N. Y.
Bleie, David, architect, 2366 Webster av, New York.
Bleier Contracting Co., Heath & Day, Boston, Mass.
Blendinger, Fred A., 824 O'Hara, Pittsburgh, Pa.
Blenio Products Corp., paints, 220 5th av, New York.
Blepp Knitting Works, sweaters, cardigans, etc., 6824 Superior av, Cleveland, Ohio.
Blesanz, Philip, brick, Winona, Minn.
Blesanz Stone Co., Winona, Minn.
Bleser, Jacob, machinist, Springfield, Ill.
Blesh, Alex., contractor & architect, Lock Haven, Pa.
Bless & Drake, founders, 175 N. J. R. R. av, Newark, N. J.
Blessed, G. A., Lbr. Co., Burnsville, Ala.
Blessing, C. A., plumbers' supplies, jobbers, 516 Montgomery av, Philadelphia, Pa.
Blessing, Emil K., musical instruments, Elkhart, Ind.
Blethen, Hugh R., hoists, traveling cranes, air compressors, etc., 21 Park row, New York.



Blevney Mach. Co., see Production Mach. Co. (successor).
Blewett, Geo. A., architect, Endicott Bldg., St. Paul, Minn.
Bley & Lyman, architects, 250 Delaware av, Buffalo, N. Y.
Bleyer, Alfred, & Co., paper dishes, plates, etc., 229 West, N York.
Bleyle Elec. Co., 84 Courtlandt, New York.
Blichert, P. A., Mfg. Co., shoe blacking, 190 13th, Jersey C N. J.
Blick, Jos. J., architect, Pasadena, Cal.
Blickensderfer Mfg. Co., machsts. & fndrs., typewriters, St ford, Conn.
Blickman, Isidor, sheet metal specialties, 479 1st av, New Y
Blickman, S., sheet metal stamping, Manley & Mount, L Island City, N. Y.
Bliesener, W. J., machinists, Rock Island, Ill.
Blight, Sons & Co., caps, blasting fuse, Eagle River, Mich.
Blinn, L. W., Lbr. Co., Los Angeles & Pasadena, Cal.
Blish, F. T., Hardware Co., South Manchester, Conn.
Blish Milling Co., wheat flour, Seymour, Ind.
Blish, Mize & Silliman Hardware Co., Atchison, Kan.
Bliss, A. H., & Co., brass chains, North Attleboro, Mass.
Bliss Bros., hdwe. mfrs. (marine), 170 Commercial, Bos Mass.
Bliss, Cook Oak Co., lumber, Blissville, Ark.
Bliss, E. A., Co., table silverware, Meridean, Conn.
Bliss, E. W., Co., sheet metal working machinery mfrs., Adams, Brooklyn, N. Y. *See adv index at end of book.*
Bliss, J. H., architect, Little Rock, Ark.
Bliss, John, & Co., nautical instruments, etc., 128 Front, N York.
Bliss & Faville, architects, Balboa bldg., San Francisco, Cal.
Bliss & Laughlin, machinists, Harvey, Ill.
Bliss & Lavelle, architects, 274 Main, Springfield, Mass.
Bliss School of Electricity, North Takoma, Md.
Bliss Supply Co., steam fitters' supplies, 815 Long av, Cleve Ohio.
Bliss & Van Auken, lbr. mfrs., Saginaw, Mich.
Blissfield Motor Works, machsts. & fndrs., Blissfield, Mich.
Blitch, T. N., turpentine, Blitchton, Ga.
Blithe, Wesley L., architect, 608 Chestnut, Philadelphia, Pa.
Blitz Bros., show cases, 450 N. Hermitage av, Chicago, Ill
Blitz, L., crude rubber, 4 Stone, New York.
Bliven & Carrington, lubrg. oils, 29 Moore, New York.
Bloch Bros., carriages, Mobile, Ala.
Bloch Bros., machinery dlrs., Selma, Ala.
Bloch Go-Cart Co., invalid chairs, toys, etc., 1136 N. Am. Philadelphia, Pa.
Bloch & Hesse, architects, 18 E. 41st, New York.
Bloch, Jos., sponges, chamois, 51 Cliff, New York.
Bloch, Jos., Co., cornices, 90 Bushwick av, Brooklyn, N. Y.
Bloch, L. D., & Co., paper shades, 157 5th av, New York.
Blocher, D., & Co., fertilizer mfrs., Gettysburg, Pa.
Block Chemical Works, Berkeley Heights, Newark, N. J.
Block & Diemer, architects, Mercantile Bldg., Rochester, N.
Block Gas Mantle Co., thorium nitrate, arc lamps, etc., You town, Ohio.
Block, H. & L., leather gloves, 349 2nd, San Francisco, Cal.
Block, I., & Son, stoves, ovens, etc., 393 Pearl, New York.
Block, Mandel & Co., plumbers' supplies, 1151 W. 12th, Chic Ill.
Block, W. G., Co., masons' & bldrs.' matls., Davenport, Ia.
Blocki-Brennan Refining Co., paints for coating & preserv iron & steel, masons' & bldrs.' matls., 11 N. La Salle, cago, Ill.
Blocki, F., Co., agricultural implements, Sheboygan, Wis.
Blocksidge, Jas., glass stainers, 2 High, Albany, N. Y.
Blockson Bros. Construction Co., Marion, Ohio.
Blodgett, B. F., & Co., celluloid combs, Leominster, Mass.
Blodgett & Clapp Co., whol. hdwe., & mill & facty. supplies, Main, Hartford, Conn.
Blodgett Clock Co., 261 Franklin, Boston, Mass.
Blodgett, G. S., Co., ovens, Burlington, Vt.
Blodgett-Holmes Co., buckwheat & rye flour, Janesville, Wi
Blodgett Lumber Co., crates, etc., Suncook, N. H.
Blodgett & Orswell Co., cotton thread, Pawtucket, R. I.
Bloede, Victor G., Co., dextrine, Caton av, Baltimore, Md.
Bloedel-Donovan Lbr. Mills, Bellingham, Wash.
Blohm, Chas. H., cornices, 1120 Emmet, St. Louis, Mo.
Blohme Milling Co., flour, Charleston, S. C.
Bloker Lumber Co., Lindsey, Ohio.
Blom, Peter H. C., soap, Keokuk, Iowa.
Blome, R. S., contractor, 139 N. Clark, Chicago, Ill.
Blome-Sinek Co., contractors, gen'l., 139 N. Clark, Chicago,
Blonck, W. A., & Co., boiler efficiency meters, 155 N. C Chicago, Ill.
Blondin, Edward A., architect, 4 W. Garfield blvd., Chicago,
Blood Bros. Machine Co., machsts. & fndrs., Allegan, Mich.
Blood, L. A., architect, 2246 Morgan av, Morgan Park, Ill.
Blood, T. L., & Co., paints for coating, wood fillers, 413 Waco St. Paul, Minn.
Bloodgood & Sugarman, archits., 681 5th av, New York.
Bloodgood, Wm. E., architect, 681 5th av, New York
Bloom, Alfred, Co., sashes, doors & blinds, Omaha, Neb.
Bloom-Burns Mfg. Co., machinists, Freeport, Ill.
Bloom Flusher Co., Tiffin, Ohio.
Bloom & Godley Co., mattresses, Trenton, N. J.

. Henry, contractor, Beaver Falls, Pa.
J. F., & Co., stone, Omaha, Neb.
Mfg. Co., agricultural implements, Nashua, Ia.
. Percy, & Co., cornices, 205 Washington, Brooklyn, N. Y.
. W., & Co., scrap iron, Williamsport, Pa.
berg, Sam'l, glass, Hoboken, N. J.
dale Tile & Brick Co., Bloomdale, Ohio.
er Bros. Co., paper pails, boxes, etc., Newark, N. J.
er, E., & Co., cornices, 530 E. 39th, Chicago, Ill.
er Lime Co., 406 E. 149th, New York.
er Mach. Wks., Bloomer, Wis.
er Mill Co., flour, Bloomer, Wis.
feldt & Rapp, machinists, 108 N. Jefferson, Chicago, Ill.
field Brick Co., Bloomfield, Ind.
field Clay Co., Metuchen, N. J.
field Coal & Supply Co., masons' & bldrs.' matls., Bloomfield, N. J.
field, David, architect, Meriden, Conn.
field Mfg. Co., mchsts. & fndrs., Bloomfield, Ind.
field Mill Co., Bloomfield, Ky.
ngdale, F., fndrs., Voorheesville, N. Y.
ngdale Milling Co., flour, Bloomingdale, Mich.
ngdale Rubber Co., 501 5th av, New York.
ngton-Bedford Stone Co., Bloomington, Ind.
ngton Canning Co., Bloomington, Ill.
ngton Coal Co., masons' & bldrs. matls., Bloomington, Ind.
ngton Constr. Co. Bloomington, Ill.
ngton Crushed Stone Co., Bloomington, Ind.
ngton Pressed Brick Co., Bloomington, Ill.
burg Brick Co., Bloomsburg, Pa.
burg Car Mfg. Co., mchsts. & fdrs., Bloomsburg, Pa.
burg, H., & Co., steam heating circulators, 425 N. Cary, ltimore, Md.
burg Paper Co., Bloomsburg & Lightstreet, Pa.
bury Graphite Co., fdry. facings, Bloomsbury, N. J.
juist Eck Mach. Co., mach. tools, 1146 E. 152d, Cleveand. Ohio.
B. J., architect, Consolidated Realty bldg., Los Angeles, l.
O. J., archl. iron, 243 Monitor, Brooklyn, N. Y.
, John S., stone producer, Cloverdale, Ohio.
n Bros., sash, door & blind, New Bedford, Mass.
n Oil & Cotton Co., meal, Blossom, Tex.
n-Provine Lumber Co., Seattle, Wash.
le Paper Co., Blossvale, N. Y.
Alfred, contractor, Tarrytown, N. Y.
Jos., Jr., architect, Tarrytown, N. Y.
Carriage & Buggy Co., East Point, Ga.
-Decker Lbr. Co., Alto, Texas.
Engineering Co., engines, gears, etc., 100 High, Boston, ss.
F. M., Constr. Co., Pensacola, Fla.
J. G., Co., grinders, polishing machines & speed lathes, rs., Everett, Mass.
J. I., mach. dealers, Birmingham, Ala.
J. J., masons' & bldrs. matls., Hawkinsville, Ga.
Plow Wks., Evansville, Ind.
s, F. L., contractors, Gloversville, N. Y.
all Mach. Wks., gas engines, Blue Ball, Pa.
lamond Canning Co., Portland, Me.
arth City Mill Co., flour, Blue Earth, Minn.
rass Lumber Co., Lexington, Ky.
rass Milling Co., flour, Campbellsburg, Ky.
ill Quarry Co., West Quincy, Mass.
ay Lbr. Co., Blue Jay, W. Va.
. J., & Son, woolen blankets, Ettrick, Wis.
no., machinist, Laurinburg, N. C.
bel Safety Squib Co., Plymouth, Pa.
imestone Co., B'way & K, Minneapolis, Minn.
imestone Co., 605 Lumber exch., Minneapolis, Minn.
ountain Slate Co., Slatington, Pa.
rint Co., 101 Park av, New York.
Queripel Co., plumbers' supplies, jobbers, 2360 3d av, w York.
ibbon Body Co., wood auto bodies, 1720 Fairfield av, idgeport, Conn.
bbon Mfg. Co., metal polish, Boston, Mass.
bbon Paint Co., Wheeling, W. Va.
idge Cotton Oil Co., meal, Travelers Rest, S. C.
idge Lime Co., Asheville, N. C.
dge Locust Pin Co., Dillsboro, N. C.
idge Marble Co., Nelson, Ga.
al Chemical Co., drain pipe solvents, 424 Broome, N. Y.
al Supply Co. mchy. 12 Port, Boston, Mass.
one Land & Lumber Co., Ridgway, Pa.
ap Rock Co., Little Rock, Ark.
alley Mfg. Co., mchsts. & fdrs., Manhattan, Kans.
alley Slate Mfg. Co. (Ltd.), Slatington, Pa.
ein Slate Co., Slatington, Pa.
igh, W. F., machinists & founders, Arcanum, Ohio.
d Hardware Co., Bluefield, W. Va.
ity Mills, Inc., flour, Bluff City, Tenn.
City Lumber & Coal Co., Council Bluffs, Ia.
n Anchor Co., Bluffton, Ohio.
n Mfg. Co., washing mach., Bluffton, Ohio.
n Stone Co., Lima, Ohio.
, I., & Co., mchy. dealers, 501 N. 15th, Richmond, Va.

Blum, Albert, cornices, 4244 Allison, Norwd., Cincinnati, Ohio.
Blum, Ben, & Co., wholesale hardware, Galveston, Tex.
Blum & Delbridge, stone producers, Bittern av & E. 73d, Cleveland, Ohio.
Blum & Dilbridge, stone producers, Amherst, Ohio.
Blum, Geo. & Edw., architects, 505 5th av, New York.
Blum, Julius, & Co., seamless steel tubing, etc., 540 W. 22nd, New York.
Blum & McNamara, Inc., Whitney Bldg., New Orleans, La.
Blum Mfg. Co., cow & sheep bells, Collinsville, Ill.
Blum, R., chamois importers, sponges, 108 Pearl, Boston, Mass.
Blum Roller Mills, flour, Blum, Tex.
Blum Shoe Mfg. Co., felt boots, Dansville, N. Y.
Blumberg, D., scrap rubber, 335 N. 4th, Philadelphia, Pa.
Blumberg, J., Co., plbrs. supplies, Bayonne, N. J.
Blumberg, W. L. & Co., who'sale h'dwe, 31 Warren, New York.
Blume, Edwin H., architect, Riverhead, N. Y.
Blume, H., & Son, scrap iron & steel, 536 Myrtle av, B'klyn, N. Y.
Blumenkrohn, L., & Co., buttons, 13 W. 27th, New York.
Blumenstock & Reid Co., meat p'kers, 3261 W. 65th, Cleveland, O.
Blumenthal, B., & Co., buttons, 15 E. 26th, New York.
Blumenthal, H. G., Co., cornices & skylights, Provo, Utah.
Blumenthal & Co., brushes, 241 Centre, New York.
Blumenthal, Sidney, & Co., plushes & velvets, Shelton, Conn.
Blumer, Adam, mach. & fdr., Moss Point, Miss.
Blumer-Sartain Packing Co., meat packers, Columbus, Ohio.
Blumhard, C. A., Blue Paper Co., 38 S. 6th, Philadelphia, Pa.
Blumling, P., masons' & bldrs. matls., McKees Rocks, Pa.
Blums Adv. Agency, mail advertising in all its branches, 618 Mission, San Francisco, Cal.
Blundon & Hinton, canned goods, Reedville, Va.
Blundon & Margrie, electric contractors, 2000 Telegraph av, Oakland, Cal.
Bly Bros. & McGilliard Stone Co., 668 S. Utah, Los Ang., Cal.
Bly & Hamann, architects, 833 St. Johns, Brooklyn, N. Y.
Blycher, August W., contractors, 3128 Fairfield av, Bridgeport, Conn.
Blymer Bros. Co., tin plate, metals, Mansfield, Ohio.
Blymyer Iron Works Co., sugar, coffee & rice plantation mchy., Cincinnati, Ohio.
Blystone Mfg. Co., concrete mixers, Cambridge Springs, Pa.
Blystone, F. M., mattresses, Elmira, N. Y.
Blystone, W. C., & Son, lumber, Cambridge Springs, Pa.
Blystone, W. I., & Son, mattresses, Jamestown, N. Y.
Blyth, E. J., buckwheat flour, Walworth, N. Y.
Blythe Construction Co., 756 S. B'way, Los Angeles, Cal.
Blythe & Isenhour, contractors, Charlotte, N. C.
B. & M. Brick Co., Madison, Wis.
B. & M. Machine Co., Akron, Ohio.
Boal, Theo. D., architect, 1712 H, N. W., Washington, D. C.
Boal, Theodore Davis, Centre Co., architect, Boalsburg, Pa.
Boardman Co., mill & facty. supplies, Oklahoma, Okla.
Boardman, E. A., & Sons, lumber, Thorp, Wis.
Boardman, F. E., fertilizer mfrs., Middletown, Conn.
Boardman & Gray, pianos, Albany, N. Y.
Boardman, Robt., Co., mchsts., Oil City, Pa.
Boas, Francis J., contractor, 201 N. Broad, Philadelphia, Pa.
Boas Thread Co., Stamford, Conn.
Boas, Wm. J., Co., folding paper boxes, 1427 Vine, Phila., Pa.
Boaz Cotton Oil Co., Boaz, Ala.
Boaz Milling Co., flour, Boaz, W. Va.
Bobb, Peter E., & Co., lbr. mfrs., Thorp, Wis.
Bobbitt, James H., flour mills, Valley Oak, Ky.
Bobe, P., Glass Wks., tubes & syringes, 2711 Lemp av, St. Louis, Mo.
Bobrick Chemical Co., Los Angeles, Cal.
Bock Equipt. Co., contrs.' & mill & facty. supplies, 1900 Northwestern av, Indianapolis, Ind.
Bock, Leo, scrap iron, Olean, N. Y.
Bocklett-King Co., mill & facty. supplies, Xenia, O.
Bock, M., & Son, scrap iron & steel, Morgan bldg., Buffalo, N. Y.
Bock-Walker Co., wholesale hardware, Battle Creek, Mich.
Bockes & Mahan, lbr. mfrs., Kalkaska, Mich.
Bockhoven Bros. Co., lbr., 132 Astor, Newark, N. J.
Bockstege Furniture Co., Evansville, Ind.
Bodach, Chas., & Sons, show cases, 314 S. Franklin, Chicago, Ill.
Bodary Building Co., 759 Stanley av, Detroit, Mich.
Bodcaw Lumber Co., Stamps, Ark.
Bode, Geo., contractor, Youngstown, Ohio.
Bode Wagon Co., 1655 Central av, Cincinnati, Ohio.
Bodenstein, J. G., & Co., ice picks, planers, plows, etc., Staatsburg, N. Y.
Bodenstein & Kuemmerle, revolving chairs, Lawrence & Grand av, Philadelphia, Pa.
Bodenstein & Surmann, archt. & engr., 405 2nd Nat'l Bk., Cincinnati, Ohio.
Bodette, Edw., contractor, 704 Boalt, Toledo, O.
Bodin, Eugene, brick, Franklin, La.
Bodine Electric Co., dynamo & motor mfrs., 2254 W. Ohio, Chicago, Ill.
Bodine Roofing Co., Mansfield, O.
Bodine-Spanjer Co., backgrounds for show windows, 1160 Chatham Court, Chicago, Ill.
Bodker, A. J., architect, 63 W. 45th, New York.
Bodmer, A. W., stone producer, Portsmouth, Ohio.
Bodt, W. A., canned goods, Churchville, Md.

Bodwell Brick & Tile Co., Kansas City, Mo.
Bodwell Counter Co., Haverhill, Mass.
Bodwell, Cyrus F., architect, Gardner, Mass.
Bodwell Granite Co., Rockland, Me.
Boebinger Hardware Co., 315 E. Pearl, Cincinnati, Ohio.
Boeckeler Lumber Co., Hall & Mallinckrodt, St. Louis, Mo.
Boedtcher, Franz A., elevator safety devices, 355 W. 42d, New York.
Boegel, Wm. J., architect, 162 E. 37th, New York.
Boeger, John C., contractor, Arlington Heights, Ill.
Boehrer, J. Henry, archit., Thomson Bldg., Oakland, Cal.
Bolger-Meyer Mach. & Tool Co., coupling shaft, 59-65 McWhorter & Bruen, Newark, N. J.
Boehck-Lueck Co., metal specialties & door springs, 71 W. Water, Milwaukee, Wis.
Boehler, Chas. F., landscape archt., Kresge Bldg., Detroit, Mich.
Boehm, C. A., & Son, carriages, Camden, N. Y.
Boehm, Fred'k, Ltd., olive oils, 165 B'way, New York.
Boehm, Christian C., inc. lamps, Rochester, N. Y.
Boehm, Geo. A., & H., architects, 7 W. 42d, New York.
Boehm, H., & Co., incandescent miniature lamps, Youngstown, O.
Boehm, J. K., foundry sand, Huron, Ohio.
Boehme & Rauch Co., paper & pulp mills, Monroe, Mich.
Boehmer, A. L., paint, Covington, Ky.
Boehmer, Chas., & Son, contractors, 7904 Gang, Pittsburgh, Pa.
Boeing Airplane Co., Seattle, Wash.
Boeke Constr. Co., 1818 Ann av, St. Louis, Mo.
Boekel, Wm. & Co., machsts, 518 Vine, Philadelphia, Pa.
Boekenkamp, E. G., Sr., architect, Norwood, Pa.
Boelhauwe, C. T., architect, State Bk. & Tr. Bldg., San Antonio, Tex.
Boelhauwe, Chas. G., contractor, San Antonio, Tex.
Boenisch & Kraus, architects, Ohio Bldg., Akron, Ohio.
Boer, Jas., masons' matls., Grand Rapids, Mich.
Boerder Process Steel Co., Woodhill & Hazelwood, Cleveland, O.
Boerum & Farrell, architects, Rockaway Park, N. Y.
Boerum Knitting Mills, sweaters, cardigans, etc., 105 Meserole, Brooklyn, N. Y.
Boes & Higman, contr., Wyanet, Ill.
Boesch Lamp Co., metal stamping, 962 Mission, San Francisco, Cal.
Boesch Mfg. Co., machsts, Danbury, Conn.
Boesch, Victor P. & Son, cornices, Linwood & Delta av, Cincinnati, Ohio.
Boese, Frederick D., architect, Call Bldg., San Francisco, Cal.
Boese, John, architect, 280 Broadway, New York.
Boese & Suter, architects, Bridge Plaza, Long Island City, N. Y.
Boeseke-Dawe Co., cornices & skylights, Santa Barbara, Cal.
Boettcher, Edward, lbr., Westfield, Texas.
Boetticher & Kellogg Co., wholesale hdwe.; machsts' tools, Evansville, Ind.
Boettiger & Co., paste, Erie, Pa.
Boettiger, Louis A., Co., key chains, cream dippers, tweezers, 48 Leonard, New York.
Boettler, Fred, carriages, 2621 Cass av, St. Louis, Mo.
Bofinger Bros., metal & elec. signs, 146 E. 42d, New York.
Bogalusa Mill & Supply Co., masons' & bldrs.' matls., Bogalusa, La.
Bogard, A., scrap iron & steel, Terre Haute, Ind.
Bogard, Noah, contr., Washington, Ind.
Bogardus, E. R., & Son, architects, Mason City, Ia.
Bogart, A. L., Co., elec. burners, torches, clocks, etc., 55 Barclay, New York.
Bogart, I. H. & Son, contractors, 414 Albany, Boston, Mass.
Bogart, J. S., contractor, Mills Bldg., San Francisco, Cal.
Bogart Piano Co., 9 Canal pl, New York.
Bogert, A. Z., & Bro., masons' & bldrs.' matls., River Edge, N. J.
Bogert, C. V. R., Esq., architect, 167 Main, Hackensack, N. J.
Bogert-Carlough Co., machsts., Paterson, N. J.
Bogert, Chas A., contractor, Englewood, N. J.
Bogert, Cornelius V. R., architect, 5 Columbus Circle, New York.
Bogert & Hopper, Inc., wood turning products, 57 Barclay, New York. *See adv index at end of book*
Boggs Auto Supply Co., Ft. Dodge, Ia.
Boggs Broom Corn Co., 1206 N. Main, St. Louis, Mo.
Boggs, Edw. T., architect, Norristown, & 136 S. 4th, Phila., Pa.
Bogota Paper & Board Co., Bogota, N. J.
Bogota Plumbing Supply Co., Bogota, N. J.
Bogue, Chas. J., Elec. Co., 513 W. 29th, New York.
Bogue Wensley Lead Co., see Wensly Metal Products Co. (successor).
Bohannan, Wilson, door locks, 760 Lexington av, Brooklyn, N. Y.
Bohem, A. & G., cornices, 15th & Federal, Philadelphia, Pa.
Bohem Mfg. Co., window ventilators, 15 & Federal, Phila., Pa.
Bohemia Lbr. Co., Dorena, Oregon.
Bohemian Pottery Co., Zanesville, Ohio.
Bohlen, D. A., & Son, archts., Majestic Bldg., Indianapolis, Ind.
Bohm, Albert, push buttons, 260 W. B'way, New York.
Bohm Cabinet Co., piano benches, 179 Magne, Rochester, N. Y.
Bohm, G. B., architect, Williamson Bldg., Cleveland, Ohio.
Bohm & Stuhr, sash, door & blind, B'way & W. & L. E. R. R., Cleveland, Ohio.
Bohn, Geo., & Sons, saddles & bridles, 613 W. Market, Louisville, Ky.
Bohn Refrigerator Co., 1340 Universal av, St. Paul, Minn.
Bohn Roofing & Cornice Co., Norfolk, Va.



Bohnard & Parsons, architects, Euclid Bldg., Cleveland, Ohi
Bohner, M. J., see Bohnert Sheet Metal & Roofing Co. (suc sors).
Bohnet, Jno. & Co., auto. tops, Lansing, Mich.
Bohrer, K. E., laundry tray legs, 347 Worth, Rochester, N
Boice, Runyon Co., masons' & bldrs.' matls., Plainfield, N. J
Boicourt Machine Co., fndrs., 93 Fort Worth, Tex.
Boig & Hill, steam fitters' supplies, 216 Fulton, New York.
Boileau, Paul, stone producers, 722 S. Kolmar, Chicago, Ill
Boiler, Carl Henry, architect, Ridge Bldg., Kansas City, Mo
Boiler Efficiency Engineers, boiler furnaces, Manhattan b Chicago, Ill. *See adv index at end of book*
Boiler-Kote Co., The, compounds, 343 Dearborn, Chicago, Ill
Boiler Maker, trade publication, 6 E. 39th, New York.
Boiler & Radiator Sales Co., steam fitters' supplies, 126 W. zie, Chicago, Ill.
Boiler Room Improvement Co., smoke indicators, 8 S. Dearb Chicago, Ill.
Bois D'Arc Canning Co., Bois D'Arc, Mo.
Boise-Iron Wks. & Fdry. Co., Boise, Idaho.
Boise Butcher Co., Ltd., Boise, Idaho.
Boise Payette Lbr. Co., Boise, Idaho.
Boise Valley Packing Co., meat, Eagle, Idaho.
Boissier Elec. Co., 205 W. 19th, New York.
Boissonnautt, G., Co., telephones, 26 Cortlandt, New York.
Boitnott, C. C. & Sons, canned goods, Naffs, Va.
Boker Cutlery & Hardware Co., Inc., 101 Duane, New York
Boker, Frank L., architect, Pacific block, Seattle, Wash.
Boker, H., & Co., steel products, 101 Duane, New York.
Bokern, F. T., stove mfrs., 217 Market, St. Louis, Mo.
Boland Bros., contractors, Scranton, Pa.
Boland, C. P. & Co., bldg. & genl. contractors, 30 4th, Troy,
Boland, Christ T., contractor, Scranton, Pa.
Boland, Jas., Rendering & Fertilizing Co., Jackson, Mich.
Boland, John V., Constr. Co., Chemical Bldg., St. Louis, M
Boland Machine & Mfg. Co., 1006 Tchoupitoulas, New Orl La. *See adv index at end of book*
Bolce, Louis H., & Co., paint mfrs., 2435 Gilbert av, Cincinna
Bolcom Canal Lumber Co., cedar shingles, Seattle, Wash.
Bold, Wm. M., machsts., Decatur, Ill.
Boldt, Chas., Co., glass bottles, Davis la & Penn Ry., Cincin Ohio.
Boldt, George, machsts. & fndrs., Tinley Park, Ill.
Boldt-Low Construction Co., Swetland Bldg., Cleveland, Oh
Bolduc, Leander, contractor, Fall River, Mass.
Boley, B., glass bottles, 157 10th av, New York.
Boley, C. H., Co., size, turpentine, varnish, etc., 3722 N. dolph, Philadelphia, Pa.
Bolin-Hall Grain Co., Hutchinson, Kans.
Bolin Metallic Door Co., Kansas City, Mo.
Bolinders Co., Imp., marine engines, 30 Church, New Yor
Bolinger, S. H., & Co., Ltd., lumber, Bolinger & Shreveport
Bolivar Fdry. & Mach. Co., Bolivar, Pa.
Boll Bros. Mfg. Co., mattress mfrs., Harrisburg, Pa.
Bollard & Webster, architects, McCagne bldg, Omaha, Neb.
Bolle, R., Mfg. Co., celluloid combs, 99 Stewart, Provi R. I.
Bollenbacher, J. Carlisle, architect, 108 S. La Salle, Chicag
Boller, Chas. & Sons Co., sash, door & blind mfrs., lbr Chicago, Buffalo, N. Y.
Boller, Peter, Mach. Wks., 124 N. Curtis, Chicago, Ill.
Boller Piano Co., 2168 Milwaukee av, Chicago, Ill.
Bollerman, Arthur M., pianos, 337 E. 133rd, New York.
Bolles, Aerial E., window sash, 52 Duane, New York.
Bolles, E. E. & Co., lumber, Coleman, Wis.
Bolles, Edw. G., architect, 233 Post, San Francisco, Cal.
Bolles, J. E., Iron & Wire Wks., 288 E. Milwaukee, D Mich.
Bolles, Wm. B., emergency exit-door locks, P. O. Box 60 waukee, Wis. *See adv index at end of book*
Bollinger-Andrews Constr. Co., Empire Bldg., Pittsburgh,
Bollinger Bros., see Pittsburgh Coal Washer Co. (succes
Bollinger & Rieley Mach. Co., Cleveland, Ohio.
Bollmann, Wilson, Fdry. Co., 506 E. Front, Cincinnati, O
Bollwerk, H., & Bro., auto. wood bodies, tank wagons, St. Mo.
Bolster Bros., stone producers, Ephrata, Pa.
Bolster, J. W., carriages, Peabody, Mass.
Bolte, Ben., & Son, Lbr. Mfrs., Ferdinand, Ind.
Bolte Mfg. Co., incandescent portable lamps, 231 N. Des Chicago, Ill.
Bolte Mfg. Co., concrete mixers, Kearney, Neb.
Bolter's, A. Sons, fndrs., 2301 Ward, Chicago, Ill.
Bolton Bros., mill & facty. supplies, 416 E. Pratt, Baltimor
Bolton, Chas. W., architect, Witherspoon bldg, Phila., Pa.
Bolton, F. D., canned goods, Fincastle, Va.
Bolton, H. L., canned goods, Troutville, Va.
Bolton, John W. & Sons, Inc., machine knives, bed plates, & pulp mill machinery, Lawrence, Mass.
Bolton, R. P., exhaust heads, 55 Liberty, New York.
Bolton-Pratt Co., contractors, Columbia Bldg., Cleveland,
Boltz, B. F., Mfg. Co., wood handles, Winchester, Ind.
Bolyard, Nelson, flour mills, Marquess, W. Va.
Bomar, B. F., machsts., Spartanburg, S. C.
Bolz, McBride, Cooperage Co., Title Guaranty Bldg., St. Mo.

ayrees Willow Furniture Co., 551 N. 5th, Phila., Pa.
erger Brick Wks., Lancaster, Pa.
r-Blanks Lbr. Co., Blanks, La.
r-Ferguson Co., Ltd., lumber, Lake Arthur, La.
ardner Mfg. Co., invalid chairs, 1384 Hird av, Cleveland, Ohio.
ier Bros. Spring Hinge Co., 263 Classon av, Brooklyn, N. Y.
O. Milk Co., canned, Carlyle, Ill.
Air Coal & Iron Co., furnaces, Nashville, Tenn.
Ami Co., soap powders, 17 Battery pl, New York.
ide Mfg. Co., gaff hooks, minnows, etc., Plymouth, Mich.
gur, Vincent, architect, 789 Horne, New York.
, James & Co., Inc., steam spec., Park Bldg., Pittsburg, Pa.
, E., & Sons, mchsts. & fndrs., Coulterville, Ill.
zzi & Bonazzi, granite, Montpelier, Vt.
Alfred J., lumber, Bradford, Pa.
Bottle Sealing Co., crown corks & washers, 501 Monroe, Wilmington, Del.
Bldg. Co., contr's., Elizabeth, N. J.
B. F., Paper Co., blankets, 33 S. Hanover, Baltimore, Md.
Bros., paper carton mach'y, Ednor, Md.
Bros., ties, Elizabethtown, Ky.
Chas., Co., mill & facty. supplies & leather belting, 520 Arch, Philadelphia, Pa.
E. W., Co., lumber, Lake Helen, Fla.
Foley Lbr. Co., Bond, Ky.
Foundry & Machine Co., power transmitting machinery, Ianheim, Lancaster, Pa. *See adv index at end of book*
Geo. E., & Co., granite producers, Barre, Vt.
H. W., architect, Baker, Ore.
H. W., Bros., contrs., New Orleans, La.
Harold L., Co., see Waldo Bros. & Bond Co. (successors).
Lumber Co., Glenwood, Fla.
Lumber Co., Bond, Miss.
Newton C., architect, North Adams, Mass.
Paint & Varnish Co., E. 81, Cleveland, O.
S. G., architect, 227 E. Douglas av, Wichita, Kans.
St. Georges, scriptographs, Crozer Bldg., Philadelphia, Pa.
Sandstone Brick Co., Lake Helen, Fla.
Steel Post Co., Adrian, Mich.
Supply Co., mill & facty. supplies, Kalamazoo, Mich.
Varnish Co., Fanwood, N. J.
Vivian & Co., ferre manganese, etc., 68 Beaver, New York.
W. C., wood handles, New Castle, Ind.
W. T., lumber, Caneyville, Ky.
Walter J., contractor, 13 Haliett, Long Island City, N. Y.
Wm., & Son, chronometers, 22 Beacon, Boston, Mass.
rake Hardware & Implement Co., El Reno, Okla.
l, Wm., carriages, Eau Claire, Wis.
teel, A. E. & Co., wholesale hdwe., 313 River, Troy, N. Y.
, A. T., agricultural implements, Cairo, Mo.
, Leslie N., architect, Goldsboro, N. C.
ev, B. C., architect, Tampa, Fla.
ey, F. L., architect, Charlotte, N. C.
m Cotton Mills, sheetings, Bonham, Tex.
m Lbr. Co., Akron, Ala.
m Recorder Co., carfare registers, Hamilton, Ohio.
m, Winchester, contractor, Wildwood, N. J.
a Mfg. Co., elec. cable hangers, Hancock & Columbia, Philadelphia, Pa.
z, Henry E., architect, Wilmington, N. C.
Sam., contrs., Syracuse, N. Y.
ll, E. M., bed springs, Corry, Pa.
ll, J. D., & Son, jewelers' tags, 311 Atlantic av, Boston, Mass.
ll, J. V., landscape architect, 1 B'way, New York.
ll, Jas. E., contractor, Tacoma, Wash.
ll, W. A., bolts, cabinets, clamps, connectors, etc., 192 Chambers, New York.
r & Barnewall, belting, 30 Church, New York.
r Fruit Co., canners, Lankershim, Cal.
r, J. H., & Sons, lumber, Heth, Ark.
r & Marshall Brick Co., 133 W. Washington, Chicago, Ill.
r Oil Co., Houston, Tex.
r Portland Cement Co., Kansas City, Kans.
rs Ferry L'br. Co., Bonners Ferry, Idaho.
tt, Nicholas, & Co., wood turners, 619 W. Adams, Chicago, Ill.
y, E. L., Box Co., packing box, Brocton, Mass.
y-Floyd Co., steel castings, etc., Columbus, Ohio.
y-Shanks Co., drills, Chattanooga, Tenn.
y Supply Co., contractors' machy., Livingston Bldg., Rochester, N. Y.
y-Vehslage Tool Co., conductors' ticket punches, 60 N. J. R. R. av, Newark, N. J.
y Vise & Tool Works, wrenches, vises & forgings, Allentown, Pa. *See adv index at end of book.*
te Insulation Co., 225 Murray, Newark, N. J.
well-Calvin Iron Co., wholesale hdwe., 1205 W. 10th, Kansas City, Mo.
t Co., brick, clay & cement machy., Canton, Ohio.
ck, Fred'k C., architect, Boatmen's bldg., St. Louis, Mo.
iron, Jas., architect, Beck Bldg., Portland, Ore.
llet's, P. A., Sons, canned goods, Wichert, Ill.
lle, Edw., slate for elec'l purposes, Fair Haven, Vt.
ta Chemical Co., liquid, disinfectant & scrubbing soaps, Grinnell, Iowa.

Booden & Son, varnish mfrs., 243 N. 9th, Brooklyn, N. Y.
Book, E. W., contr., Sacramento, Cal.
Booker Box Co., pckg. box mfrs., Louisville, Ky.
Booker & Campbell, contractors, Bellingham, Wash.
Booker, H. R., & Co., wholesale hdwe. & plumbers' supplies (jobbers), Hampton, Va.
Booker, Kiehl & Whipple, contrs., Central Bldg., Seattle, Wash.
Bookhop, F. H., corn & whisk brooms, & brushes, 151 38th, Brooklyn, N. Y.
Books Trunk Co., 19 E. 8th, Kansas City, Mo.
Bookwalter Wheel Co., Miamisburg, Ohio.
Boomer, I. E., masons' & bldrs.' matls., New Telegram bldg., Detroit, Mich.
Boom Boiler & Welding Co. (The), 1615 Merivin av, Cleveland, Ohio.
Boon, N., bldg. contr., 291 Orange rd, Montclair, N. J.
Boone Brick Tile & Paving Co., Boone, Ia.
Boone Bros., flour mills, Erin, Tenn.
Boone Construction Co., Lebanon, Ind.
Boone County Coal Corp., Charples, W. Va.
Boone, D. R., lime, Oglesby, Tex.
Boone, Dr. G. A., canned goods, Troutville, Va.
Boone Fork Lbr. Co., Shulls Mills, N. C.
Boone, Robt. M., contractor, Alliance, Ohio.
Boone Timber Co., Clothier, W. Va.
Boone Trail Coal Co., Pineville, Ky.
Boonstra, L. A., architect, Lafayette, Ind.
Boonton Rubber Co., Boonton, N. J.
Boonville Brick Co., Boonville, Mo.
Booneville Brick & Tile Co., Booneville, Miss.
Boor & Davis, flour mills, Mannington, W. Va.
Boorse, Horace B., contractor, 665 N. 15th, Philadelphia, Pa.
Boortz, Fred, contractor, Waukesha, Wis.
Boorum & Pease Co., R. R. stationery; books, etc., 109 Leonard, New York.
Boorum & Pease Co., index tabs, Brooklyn, N. Y.
Boos, John, & Co., cutting benches, butchers' blocks, Effingham, Ill.
Booth, A. M., masons' & bldrs.' matls., Huntsville, Ala.
Booth, A. W., & Bro., masons' & bldrs.' matls., Bayonne, N. J.
Booth, Alexander, contractor, Newport, R. I.
Booth Art Glass Co., 84 W. Huron, Buffalo, N. Y.
Booth, A. W., lbr., Hamilton, Miss.
Booth, Benj. & Co. (Ltd.), card clothing, 1717 N. Bodine, Philadelphia, Pa.
Booth & Boyd Lbr. Co., Saginaw, Mich.
Booth Bros. Co., shoe machy., Rochester, N. Y.
Booth Bros & Hurricane Isle Granite Co., stone workers, 208 B'way, New York.
Booth & Chase Co., Inc., contractors, Fall River, Mass.
Booth, C. F., Co., talcum powder, Norwich, N. Y.
Booth Column Co., Toledo, Ohio.
Booth Felt Co., Inc., 440 19th, Brooklyn, N. Y.
Booth Fisheries Co., Astoria, Ore.
Booth & Flinn, contractors, 17 Battery pl, New York & 1942 Forbes, Pittsburgh, Pa.
Booth, Garrett & Blair, chemists, engineers & testing laboratories, 404 Locust, Philadelphia, Pa.
Booth, George E. Bldg. Co., contractors, B'way & Circus pk, Detroit, Mich.
Booth, Irving D., Inc., hardware—wholesale, Elmira, N. Y.
Booth, J. B., Co., steel struct. wk., 216 E. Robinson, Pittsburgh, Pa.
Booth, J. R., lbr., Burlington, Vt.
Booth-Kelly Lbr. Co., Eugene, Ore.
Booth & Law Co., varnish mfrs., New Haven, Conn.
Booth & Lewis Lbr. Co., Grand Cen. Ter., New York.
Booth, Nickolson & Gilchrist, contrs., Gardner, Ill.
Booth Packing Co., ft. of Wolfe, Baltimore, Md.
Boothby & Tucker, canned goods, Portland, Me.
Boothe-Miller Co., lamps, 2210 S. Main, Los Angeles, Cal.
Boott Mills, cotton sheetings, duck, Lowell, Mass.
Booz Bros., ship bldrs, 815 Key Highway, Baltimore, Md.
Booze, G. C., canned goods, Springwood, Va.
Booze, G. W., machinist, Gueydan, La.
Boquin, L. O., contractor, Oil City, Pa.
Borbein Auto. Co., 2109 N. 9th, St. Louis, Mo.
Borbein, H. G., wagon bodies, 2109 N. 9th, St. Louis, Mo.
Borchers Carriage & Auto Co., Dayton, Ohio.
Borchers, Richard C., & Co., tex. machy, supplies, etc., Fkd., Philadelphia, Pa.
Bord Varnish Co., 202 Main, Cincinnati, Ohio.
Borden, Chas. W., lumber, Half Moon Bay, Cal.
Borden Co., The, "Beaver" easy working pipe threaders and "Beaver" square end pipe cutters, Warren, Ohio.
Borden, Cook & Co., sash, door & blind mfrs., Fall River, Mass.
Borden, Guiney & Kendall Co., masons' & bldrs.' matls., Fall River, Mass.
Borden, Jefferson & Son, mill & facty. supplies, Fall River, Mass.
Borden & Remington Co., mfrs. drugs & chemicals, jobbers of burlaps, bale rope, starches, lubricating oils, etc., Fall River, Mass.
Bordentown Forge & Mach. Co., Bordentown, N. J.
Bordentown Steel & Tube Corp., Bordentown, N. J.
Border City Industrial Co., step ladders, Border City, N. Y.
Bordo, L. J., Co., valve mfrs., & steam specialties, 12th & Thompson, Philadelphia, Pa.

Boren, John W., & Sons Co., contrs., Louie & Columbia, Dayton, Ohio.
Boren, Wm., masons' & bldrs.' matls., Ashland, Ohio.
Borg & Beck Co., machsts., Moline, Ill.
Borg, Emil, contractor, 1787 E. 45th, Los Angeles, Cal.
Borger Bros. Co., tubular boilers, tanks, etc., 257 W. Spring, Columbus, Ohio.
Borger, Valentine, machsts., 2035 N. 2d, Philadelphia, Pa.
Borgeson, C. E., wood handles, 1775 Wilson av., Chicago, Ill.
**BORGESON MFG. CO.,** universal joints, Monroe St., Torrington, Conn. *See adv index at end of book*
Borgfeldt, Geo. & Co., aluminum hollow ware, alarm clocks, toys, etc., 16th & Irving pl, New York.
Borgfeldt Brass Co., Metuchen, N. J.
Borgfeldt, N. H., & Co., machsts., Metuchen, N. J.
Borgman, A. J., cornices, 765 Forest av, E. Detroit, Mich.
Borgmeyer, Edw. J., architect, Stimson Bldg., Los Angeles, Cal.
Borgner, Cyrus Co., masons' & bldrs.' matls., 234 N. 23d, Philadelphia, Pa.
Borgstrom, G. J., dies, 118 So. Clinton, Chicago, Ill.
Borgwald, John, contractor, Mount Vernon, N. Y.
Borgwald, Wm., contractor, Mount Vernon, N. Y.
Borgwardt & Ernst Co., tree moss, 1234 W. Chicago av, Chicago, Ill.
Borgzinner, S., Co., jewelry cases, Orange, N. J.
Borhek, R. E., architect, Savage-Scofield Bldg., Tacoma, Wash.
Borie, C. L., Jr., architect, 15th & Walnut, Philadelphia, Pa.
Boright, John W., Lumber Co., Chatham, N. Y.
Boring & Tilton, architects, 52 Vanderbilt av, New York.
Bork & Richard, sash, door & blind mfrs., Meadville, Pa.
Borkel, Jno., & Co., cornices, 42 E. Houston, New York.
Borkenhagen, A., & Son, contrs., 175 Norwalk av, Buffalo, N. Y.
Borkenstein, B., contractors, Fort Wayne, Ind.
Borland & Diamond Lumber Co., Oil City, Pa.
Born, Chas. A., plumbers' supplies—jobbers, Pensacola, Fla.
Born, H. A. Co., Inc., ice & refrigerating machines, 326 River, Chicago, Ill.
Born, L., masons' & bldrs.' matls., Hampton, Va.
Born, S. A., Bldg. Co., 37th av & Shoreview, San Francisco, Cal.
Born Steel Range Co., 3945 W. 25th, Cleveland, Ohio.
Borne, Chas. A., Co., machy. dlrs., 37 Wooster, New York.
Borne-Scrymser Co., oils, 80 South, New York.
Bornemann, Adolph, machinist, St. Peter, Minn.
Bornemann, Ed., lumbermen's socks, St. Peter, Minn.
Borneman & Sons, whol. hdwe. & mill & facty. supplies, Elkhart, Ind.
Bornwasser, Louis P., Co., meat packers, Louisville, Ky.
Boron Products Co., copper alloy wps., Reading, Pa.
Boroseptic Chemical Co., tooth paste, 1415 11th av, So. Minneapolis, Minn.
Borough Development Co., 186 Remsen, Brooklyn, N. Y.
Borres, Jos. & Sons, contractors, 4808 Kincaid, Pittsburgh, Pa.
Borreson Mfg. Co., hdwe.; machsts., St. Paul, Minn.
Borsum Bros., metal polish, 227 Fulton, New York.
Borthwick, Pringle, contractor, 8018 Germantown, Phila., Pa.
Borton Coal & Trading Co., masons' & bldrs.' matls., Atlantic City, N. J.
Boryer, Harry F., contractor, 1300 F, N. W., Washington, D. C.
Borzner, Andrew C., architect, 717 Walnut, Philadelphia, Pa.
Bos, Jno. N., Sand Co., 118 N. La Salle, Chicago, Ill.
Bos & O'Brien, contrs., Hearst bldg., San Francisco, Cal.
Bescacer, Jos., machinist, Oakland, Cal.
Bosch, Hy., Co., wall paper mfrs., 485 5th av, New York.
Bosch, Hy., Co., window shade mfrs., 525 S. Wabash av, Chicago, Ill.
Bosch Magneto Co., magneto mfrs., 223 W. 48th, New York.
Boschen, W., architect, Lacy Natl. Bank bldg., St. Joseph, Mo.
Boseck, Otto M., contractor, 99 Marlemont av, Buffalo, N. Y.
Bosken Lumber Co., Evans & Erie, Cincinnati, Ohio.
Bosler, E. H., carriage dressing, 1935 Wabash av, Chicago, Ill.
Bosquit, Wm. C., contr., East St. Louis, Ill.
Bosley, D. W., Co., weather strips, 122 S. Mich. av, Chicago, Ill.
Bosley, L. W., cornices & skylights, Gainesville, Tex.
Boss, Chas. H., rakes, Liberty, R. I.
Boss, I. C., bldg. contr., Sacramento, Cal.
Boss, John C., Co., brick, Elkhart, Ind.
Boss Knitting Machine Works, Reading, Pa.
Boss Mfg. Co., agricultural implements, Kewanee, Ill.
Boss Mfg. Co., canvas gloves, 70 Washington, Brooklyn, N. Y.
Boss Nut Co., bolts, lock-nuts & washers, 1744 N. Kolmar av, Chicago, Ill.
Boss Pulling Mach. Co., steel derricks, Vanburen, Ind.
Boss Tile Spade Co., Anamosa, Ia.
Boss Washing Mach. Co., Cincinnati, Ohio.
**BOSSERT CORPORATION (THE),** automobile stampings, etc., cor. Linden St. & West av, Utica, N. Y. *See adv index at end of book*
Bossert, Fred, masons' & bldrs.' matls., Grand Rapids, Wis.
Bossert, O. H., Co., contractors, 848 Jackson, Milwaukee, Wis.
Bossert, Louis & Son, stair bldrs.' supplies, 1335 Grand, Brooklyn, N. Y.
Bossom, Alfred C., architect, 680 5th av, New York.
Bosson & Lane, lubricating oils & greases, Atlantic, Boston, Mass.
Bost, C. F., contractor, Huntsville, Ala.
Bostick Lbr. & Mfg. Co., Meridian, Miss.
Bostick, P. E., contr., 1st Nat. Bk. Bldg., Birmingham, Ala.
Bostick Stove Co., Lapeer, Mich.
Bostock, Thos., & Sons, mchsts. & fdrs., Brockton, Mass.
Boston Armature Wks., railway supplies, 77 Washington, Boston, Mass.
Boston Auto Gage Co., fuel level indicators, 8 Waltham, Boston, Mass.
Boston Auto Top Co., 100 Massachusetts av, Boston, Mass.
Boston Auto Wrench Co., 31 State, Boston, Mass.
Boston Automatic Fire Alarm Co., 141 Milk, Boston, Mass.
Boston Badge Co., buttons, 294 Waashington, Boston, Mass.
Boston Bamboo Co., bamboo furn., 117 Portland, Boston, Mas
Boston Belting Corp., rubber belting, hose, packing and roll coverings, mfrs., 84 Linden pk, Roxbury, Boston, Mass.
Boston Belting Co., packing mfrs., 217 S. Peters, New Orlean La.
Boston Blower Co., fan mfrs., Hyde pk, Boston, Mass.
Boston Blue Print Co., 12 India, Boston, Mass.
Boston Bonnet Wire Co., 38 India, Boston, Mass.
Boston Bottling, Wiring & Labeling Co., 23 Wormwood, Bosto Mass.
Boston Brass Andiron Co., 104 Utica, Boston, Mass.
Boston Brass Co., ball cocks, floats, tank valves & lead traps "Acme" Sewer valves, mfrs., 135 Bacon, Waltham, Mas *See adv index at end of book.*
Boston Brazing Co., 465 Atlantic av, Boston, Mass.
Boston Brick Co., Boston, Mass.
Boston Bridge Works, steel bridges & structural steel work, Winter, Boston, Mass.
Boston Building Materials Co., 370 Albany, Boston, Mass.
Boston Burial Case Co., Somerville, Mass.
Boston Casting Co., machsts. & fdrs., 110 Broad, Boston, Mas
Boston Chemical Co., disinfectants, 196 W. Canton, Bosto Mass.
Boston Clip & Tag Co., 40 Sudbury, Boston, Mass.
Boston Consolidated Coal Co., Athens, Ohio.
Boston Contracting Co., 49 Medford, Boston, Mass.
Boston Copper Works Co., E. Boston, Mass.
Boston Corking Mach. Co., boat fenders, 18 Tremont, Bosto Mass.
Boston Coupling Co., 156 Pearl, Boston, Mass.
Boston Duck Co., canvas & cotton duck, Bondsville, Mass.
**BOSTON-ECONOMY LAMP DIVISION,** National Lamp Wor of General Electric Co., renewed incandescent lamps, "Bo ton" carbon & "Eagle" tungsten, 43 Hospital, Providen R. I.
Boston Elevated Railway Co., mchsts. & fdrs., 101 Milk, Bosto Mass.
Boston Engng. Co., boilers, 308 Atlantic av, Boston, Mass.
Boston Engineers' Supply Co., 159 Pearl, Boston, Mass.
Boston Excelsior Co., excelsior mfrs., & packing and wrappi pads, 26 Canal, Boston, Mass., and 11th av & 29th, N.
Boston Export Co., Inc., mill & facty. supplies, 113 Sta Boston, Mass.
Boston Feather Duster Co., 74 Pearl, Boston, Mass.
Boston Felt Mfg. Co., mechanical, 110 Beach, Boston, Mass.
Boston Filter Co., water coolers & filters, Chelsea, Mass.
Boston Fire & Police Notification Co., fire alarms, 11 High, B ton, Mass.
Boston Food Products Co., canned goods, 16 New, Boston, Ma
Boston Forge Co., E. Boston, Mass.
Boston Fountain Pen Co., 319 Washington, Boston, Mass.
Boston Galvanizing Wks., 121 W. 1st, Boston, Mass.
Boston Gear Works, gears, sprockets, chains & universal joi Quincy, Mass., and 623-625 West Washington blvd, C cago, Ill. *See adv index at end of book*
Boston Gore & Web Co., shoe goring & elastic webbing, Chels Mass.
Boston Index Card Co., index cards, guides & vertical file folde mfrs., 113 Purchase, Boston, Mass.
Boston Insulated Wire & Cable Co., Boston, Mass.
Boston Iron & Metal Co., scrap iron & steel, Pratt & Frem av, Baltimore, Md.
Boston Last Co., elec. htg. & ironing outfits (shoe facty.), Binford, Boston, Mass.
Boston Leather Stain Co., 109 Purchase, Boston, Mass.
Boston Light Supply Co., mill & facty. supplies, 91 Portla Boston, Mass.
Boston Lightning Rod Co., Old South Bldg., Boston, Mass.
Boston & Lockport Block Co., tackle blocks, sheaves, etc., Condor, E. Boston, Mass.
Boston Lumber Co., 79 Milk, Boston, Mass.
Boston Machine Screw Co., screw machine products, 17 Tuc Cambridge, Mass.
Boston Machine Shop Co., Oroville, Cal.
Boston Mach. Wks. Co., Lynn, Mass.
Boston Mailing Co., 394 Atlantic av, Boston, Mass.
Boston Marine H'dwe. Co., whol., 259 Atlantic av, Boston, Ma
Boston Mat & Basket Co., 94 Commercial, Boston, Mass.
Boston Metal Ceiling & Mfg. Co., 27 Haymarket Sq., Bost Mass.
Boston Metallic Bed Co., 90 Canal, Boston, Mass.
Boston Milling Co., flour, South Boston, Va.
Boston Mirror Co., 69 Sudbury, Boston, Mass.
Boston Nickel Plating Co., 160 Portland, Boston, Mass.
Boston Oil & Gasoline Co., lubrg. oils & greases, 24 Piedmo Boston, Mass.

ton Oregon Mast Co., 131 Coleridge, E. Boston, Mass.
ton Packing Co., meat, Portland, Ore.
ton Paper Mfg. Co., fancy printed, 15 Chardon, Boston, Mass.
ton Paste Co., 81 Traverse, Boston, Mass.
ton Piano Supply Co., piano key hammers, B'way, Boston, Mass.
ton Pipe & Fittings Co., steam fitters' supplies, 273 Congress, Boston, Mass.
ton Plumbing & Lighting Supply Co., Boston, Mass.
ton Pocket Book Co., bk. messengers' wallets, 169 Massachusetts av, Boston, Mass.
ton Pressed Metal Co., seamless drawn shapes & specialties from brass & steel, 170 Union, Worcester, Mass.
ton Printing Press & Machy. Co., East Bridgewater, Mass.
ton Roofing Co., cornices & skylights, 6 Beacon, Boston, Mass.
ton Rubber Shoe Co., 130 Essex, Boston, Mass.
ton Sand & Gravel Co., 88 Broad, Boston, Mass.
ton Sash Weight Co., 79 Milk, Boston, Mass.
ton Saw & Tool Co., Inc., hack saw blades, 76 Freeport, Boston, Mass.
ton Scale & Mach. Co., angle plate & scales, also tools, jigs, fixtures & special machy. mfrs., 100 Ruggles, Boston, Mass.
ton Self-Locking Block Co., Waltham, Mass.
ton Spec. Corp., pencil sharpeners, 261 B'way, New York.
on Stove Fdry. Co., 210 Borden, Boston, Mass.
ton Thread Co., Lena & Armat, Philadelphia, Pa.
ton Thread & Twine Co., 575 Atlantic av, Boston, Mass.
ton Tool & Mfg. Company, Inc., die filing machines, special machinery, etc., 262 Dover, Boston, Mass.
ton Tow Boat Co., submarine divers, 111 Devonshire, Boston, Mass.
ton Vapor Heating Co., 52 Chauncy, Boston, Mass.
ton Varnish Co., varnish mfrs, Everett, Mass.
ton Willow & Willowcraft Shops, Inc., furniture, Cambridge, Mass.
ton Willow & Willowcraft Shops, 42 Everett st, Allston District, Boston, Mass.
ton Wire Stitcher Co., machsts., East Greenwich, R. I.
ton Woven Hose & Rubber Co., mechanical rubber goods mfrs., Cambridge, Mass.
on Woven Wire Brush Co., Lynn, Mass.
trom-Brady Mfg. Co., levels, Atlanta, Ga.
trom, R. E., architect, Pickering Bldg., Cincinnati, Ohio.
twick-Braun Co., wholesale hdwe., Toledo, Ohio.
twick Bros., masons' & bldrs.' matls., St. Albans, Vt.
twick-Goodell, wooden specialties, Norwalk, Ohio.
twick, Harley, & Co., turpentine Lawtey, Fla.
twick, C. G., sheet steel ceilings, ventilator mfrs., etc., Hartford, Conn.
wick & Goodell, advtg. novelties, Norwalk, Ohio.
twick, J. R. & H. J., pipe joint & roofing cements, Clifton Springs, N. Y.
twick, Jas. M. C., babbit metal, 372 Abbott, Detroit, Mich.
twick Steel Lath Co., Niles, Ohio.
wick, Jas. R., contractor, Portsmouth, Va.
worth-Ard Machine & Foundry Co., Anniston, Ala.
worth, De Frenes & Felton, motion picture machines, Wilkes-Barre, Pa.
worth Bag Co., Memphis, Tenn.
worth, F. S., & Son, masons' & bldrs.' matls., Elgin, Ill.
worth, F. Hunt, Jr., architect, 597 5th av, New York.
worth, Geo. E., contractor, Amherst, Mass.
worth, M. A., Lumber Co., Vincennes, Ind.
worth, Walter S., machsts. & brass fndrs., Warren, R. I.
worth, Wm. W., architect, 527 5th av, New York.
ny Worsted Mills, machsts., Passaic, N. J.
leld Spec. Mfg. Co., fire brick cement, Swanson & Clymer, Philadelphia, Pa.
le, J. G., Contr. Co., 1603 N. 18th, St. Louis, Mo.
well & Carson, contractors, 1523 Franklin, Pittsburgh, Pa.
well, J. H., architect, Tyler, Texas.
well, J. L., architect, 3012 Holmes, Dallas, Tex.
sford, Chas. H., contractor, 1515 Park av, Bridgeport, Conn.
sford Lbr. Co., Winona, Minn.
Bros. Mfg. Co., cooperage stock, Alexandria, Mo.
e Mfg. Co., concrete mixers, Kearney, Neb.
relli, Romolo, architect, 207 Market, Jersey City, N. J.
iger, Christ, pipe joint paste, 23 Peach, Erie, Pa.
le Capping Mach. Co., 949 B'way, New York.
lers' & Mfrs.' Supply Co., 218 E. 37th, New York.
om Creek Coal & Coke Co., Vivian, W. Va.
omley Machine Co., Alliance, Ohio.
omley, Wm. Lawrence, architect, 597 5th av, New York.
oms, Abel, & Sons Co., contractors, 3611 Walnut, Phila., Pa.
s Marking Ink Co., 330 Pearl, New York.
um Valve Co., vacuum valves, 211 W. Schiller, Chicago, Ill.
vin & Tunick, contractors, 1252 Lick Run, Cincinnati, Ohio.
zum Bros. Co., masons' & bldrs.' matls., Akron, Ohio.
as & Sons, machsts & fndrs, Coulterville, Ill.
chard, John, & Sons Co., mill & factv. supplies, Nashville, Tenn.
chard, Louis C., & Co., architects, 64 W. Randolph, Chicago, Ill.
cher, H. E., Mfg. Co., machsts., 150 Lafayette, New York.
cher, Jos., brick, 180 Plantation, Worcester, Mass.
cher, Milton H., mchsts. & fndrs., Meyersdale, Pa.

Boucherle, L., & Son, archts., Stambaugh Bldg., Youngstown, O.
Boudreaux, L. S., lumber, New Orleans, La.
Boughton Door Co., self-closing fire & electric-operated doors, mfrs., 311 Atlantic av, Boston, Mass.
Bouker Contracting Co., 24 State, New York.
Boulden, Wm. M., & Son, iron fdrs., Chester, Pa.
Boulder Pressed Brick & Lumber Co., Boulder, Colo.
Boulet Fine Tool Wks., see Boulet, Jos. H. (successor).
Boulia-Gorrell Co., sashes, doors, etc., Lakeport, N. H.
Boulin, V. J., wire forming dies, 1 Union sq., New York.
Bound Brook Crushed Stone Co., Bound Brook, N. J.
Bound Brook Engine & Mfg. Co., steam, 1425 Chestnut, Philadelphia, Pa.
Bound Brook Oil-Less Bearing Co., Bound Brook, N. J.
Bounds, G. A., & Co., canned goods, Hebron, Md.
Bounds, J., lbr., Moss Point, Miss.
Bounty, A. E., Co., masons' & bldrs.' matls., Stamford, Conn.
Bour, J. C., cut glassware, 2346 Summerfield, Brooklyn, N. Y.
Bour, L. J. Refractories Co., cement & silica sand, Scranton, Pa.
Bour-Davis Motor Car Co., 253 Woodbridge, Detroit, Mich.
Bourbon Copper & Brass Works, Cincinnati, Ohio.
Boureau, H. U., & Co., mchsts. & fndrs., 3302 Ludlow, Phila, Pa.
Bourgois & Beaulieu, lumber, Jeanerette, La.
Bourgeois & Beaullieu, lumber, Jeannette, La.
Bourke-Rice Envelope Co., 511 W. Jackson blvd, Chicago, Ill.
Bourn Rubber Co., insulated wire, shoes, etc., 58 Warren, Providence, R. I.
Bourne, Frank A., architect, 70 Kilby, Boston, Mass.
Bourne, Jno. R., machsts., Rochester, N. Y.
Bourne & Knowles Mfg. Co., nut mfrs., Cleveland, Ohio.
Bourne Magnetic Truck Co., Sedgley av & 79th, Phila., Pa.
Bourne, W. & Son, pianos, Boston, Mass.
Bourne, Wm., & Son Piano Co., Needham, Mass.
Bourne-Fuller Co., steel structural dealers, Hickox Bldg., Cleveland, Ohio.
Bourneuf, Louis, Corp., steam fitters' & plumbers' supplies, Lynn, Mass.
Bournique Glass Co., Kokomo, Ind.
Bourque & Sears, shoe patterns, Haverhill, Mass.
Bourque Construction Co., Lawrence, Mass.
Bourquin Bros., brick, Archbold, Ohio.
Bourret-Kirkwood Co., laundry machy., 1128 Mission, San Francisco, Cal.
Bousfield Wooden Ware Co., lard tubs, Minneapolis, Minn.
Bousman Mfg. Co., gasoline strainers, Grand Rapids, Mich.
Boust, A. C., drilling mchs., Northumberland, Pa.
Boustead Elec. & Mfg. Co., dynamo & motor mfrs. & machy. dlrs., 18 E. Hennepin av, Minneapolis, Minn.
Boutan, Victor, contractor, 1519 Terry, Seattle, Wash.
Boutell Mfg. Co., evaporating machy., 558 Lyell, Rochester, N. Y.
Bouton, C. H., meat packers, Marathon, N. Y.
Boutwell Bros., wholesale hdwe., Lowell, Mass.
Boutwell Milling & Grain Co., corn feed & rye flour, Troy, N. Y.
Bouvier, J. C. N., contractor, Woonsocket, R. I.
Bovaird & Co., mchsts. & fdrs., Bradford, Pa.
Bovaird & Seyfang Mfg. Co., mchsts. & fdrs., Bradford, Pa.
Bovaird Supply Co., mill & facty. supplies, Sapulpa, Okla., & Independence, Kans.
Bovee Furnace Wks., Waterloo, Ia.
Bovers, John A., architect, 2818 Dalton av, St. Louis, Mo.
Bovey-Shute Lumber Co., 1210 McKnight Bldg., Minneapolis, Minn.
Bovver & Sons, contractors, 2407 California, San Francisco, Cal.
Bowd, E. A., architect, Lansing, Mich.
Bowden Bros., cotton batting, Cedar Grove, N. J.
Bowden, Fred'k., masons' & bldrs.' matls., 218 Orange, Newark, N. J.
Bowden, Geo. M., contractor, Minerva, Ohio.
Bowden Lime Wks., see Wilway Lime Co. (successors).
Bowden, Mills C., contractors, Galveston, Tex.
Bowden, Thos., granite prod., New Haven, Conn.
Bowden, Thos J., & Son, lumber, Marblehead, Mass.
Bowditch, Arthur H., architect, 44 Bromfield, Boston, Mass.
Bowditch, Ernest W., landscape archt., 29 Central, Boston, Mass.
Bowditch, Jas. H., landscape archt., Tremont Bldg., Boston, Mass.
Bowditch, Walter, masons' & bldrs.' matls, Haines & Baynton, Gtn., Philadelphia, Pa.
Bowdle Bros., mchsts. & fndrs., Piqua, Ohio.
Bowdle, C. F., architect, Piqua, Ohio.
Bowdlear, W. H., Co., wax, 69 Broad, Boston, Mass.
Bowdoin & Webster, architects, 299 Madison av, New York.
Bowdon Oil & Fertilizer Co., Bowdon, Ga.
Bowdry, H. N., contractor, Empire Bldg., Birmingham, Ala.
Bowdry & McKinley Iron Wks., fndrs., Fort Worth, Tex.
Bowe, Burke Co., contractors, Duluth, Minn.
Bowe Carriage Co., Wilmington, Del.
Bowen, C. E., contractor, Canton, Ohio.
Bowe Constr. Co., concrete roofing tile, Kokomo, Ind.
Bowen Corp., carburetors, oil cup, lubr., oil hole covers & cups, Detroit, Mich.
Bowen & Davis, architects, G-McK. Bldg., Fresno, Cal.
Bowen, F. J., architect, St. Anthony Bldg., San Antonio, Tex.
Bowen, G. F., Machine Co., Inc., machinist, 24 Scott, Newark, N. J.
Bowen-Jewell Co., cotton bagging, Jewell, Ga.

Bowen, John Co., contractors, 184 Dudley, Boston, Mass.
Bowen Products Corp., grease cups, oil cups & stampings. Divisions: Auburn, N. Y.; Detroit, Mich.; Cleveland, O.; Minneapolis, Minn., and Windsor, Ont., Can.
*See adv index at end of book.*
Bowen, Richard T., contractor, Atlantic City, N. J.
Bowen, S. R., Co., contrs., Mason City, Ia.
Bowen, S. R., Co., machinists, Coalinga, Cal.
Bower, C. P., contractor, Tulip & Somerset, Philadelphia, Pa.
Bower, F. C., canned goods, Troutville, Va.
Bower, Henry, Chemical Mfg. Co., chemicals, Gray's Ferry rd & 29th, Philadelphia, Pa.
Bower, John, Co., meat packers, 24th & Brown, Philadelphia, Pa.
Bower Knitting Co., sweaters, etc., Hawley, Pa.
Bower, Lee & Son, canned goods, Troutville, Va.
Bower Roller Bearing Co., 642 Hart av, Detroit, Mich.
Bower, W. Frank, architect, 44 Harrison, East Orange, N. J.
Bowers Bros., contractors, Fargo, N. D.
Bowers Bros. & Co., heating contrs., 1629 Ludlow, Phila., Pa.
Bowers, Chas., contractor, Arcanum, Ohio.
Bowers, L. M., & Co., mchsts. & fndrs., Binghamton, N. Y.
Bowers Mach. Co., laboratory lathes & dental water motors, Lancaster, Pa.
Bower's Machine Works, Canon, Ga.
Bowers, M. B., machsts. & fndrs., Hackettstown, N. Y.
Bowers & Mower, naval architects, Chestnut & 5th, Phila., Pa.
Bowers Pottery Co., Mannington, W. Va.
Bowers, R. C., Granite Co., Montpelier, Vt.
Bowers, Robt. W., architect, York, Pa.
Bowers Rubber Works, see Pioneer Rubber Mills (successors).
Bowers, S. P., Co., lbr., Otis bldg, Philadelphia, Pa.
Bowers Southern Dredging Co., Galveston, Tex.
Bowers, U. R., & Sons, see Fuller, W. P., & Co. (successors).
Bowers, W. A., Heating Co., 484 Market, Milwaukee, Wis.
Bowers, Warren, machsts., Chicora, Pa.
Bowes, H. W., masons' & bldrs.' matls., Bath, N. Y.
Bowes, Thos. B., naval architect, 822 Lafayette bldg., Phila., Pa.
Bowie County Cotton Oil Co., meal, fertz. mfrs., New Boston, Tex.
Bowie Lumber Co., Bowie, La.
Bowie Stove Co., Rome, Ga.
Bowie Switch Co., 14 Montgomery, San Francisco, Cal.
Bowker Bros., trunk mfrs., 11 Columbia, Boston, Mass.
Bowker Chemical Co., oxide of iron, etc., 2 Rector, New York.
Bowker, F. S., ship bldr., Phippsburg, Me.
Bowker Fertilizer Co., 43 Chatham, Boston, Mass., & 60 Trinity pl, New York.
Bowker, Torrey Co., marble interior wk., 80 Granite, Boston, Mass.
Bowler Foundry Co., 1688 Columbus rd, Cleveland, Ohio.
Bowler & Jones, harness mfrs., Freeport, Ill.
Bowler Lbr. Co., Bowler, Wis.
Bowler, M. J., carriages, Holyoke, Mass.
Bowler, Robt. B., architect, 101 Park av, New York.
Bowler, T. J., 1315 S. Wabash, Chicago, Ill.
Bowles & Bals, mattresses, Corry, Pa.
Bowles Bros. Co., flour, Los Angeles, Cal.
Bowles Co., mill & facty. & plumbers' supplies—jobbers, Seattle, Wash.
Bowling Green Mach. Co., Bowling Green, Ky.
Bowling Green Milling Co., flour, Bowling Green, Ky.
Bowling Green Motor Truck Co., Bowling Green, Ohio.
Bowlus Mfg. Co., low down combination water closets, Springfield, Ohio.
Bowman, A. W., & Co., wireless instruments, Boston, Mass.
Bowman, Ben., contractor, Newport, Ky.
Bowman-Blackman Mach. Tool Co., see Blackman Mach. Tool Co. (successors).
Bowman Bros. Co., masons' & bldrs.' matls., McKeesport, Pa.
Bowman, C. C., contractor, Bloomington, Ill.
Bowman Carriage Co., auto bodies, wheels, etc., Sacramento, Cal.
Bowman, C. P., Hardware Co., Staunton, Va.
Bowman, D. F., Co., waste cotton & wool, New Albany, Ind.
Bowman, E. R., htg. contrs., 3211 Lorain, Cleveland, Ohio.
Bowman, Geo. A., mill & facty. supplies, Utica, N. Y.
Bowman, Geo. H., Co., aluminum ware, etc., 224 Euclid av, Cleveland, Ohio.
Bowman-Hicks Lbr. Co., Kansas City, Mo., and Oakdale, La.
Bowman Lumber Co., Williamsport, Pa., & St. Albans, W. Va.
Bowman, M. K.-Edson Co., contractors, tools & supplies, 64 Dey, New York.
Bowman, Paul G., machsts., Bellefontaine, Ohio.
Bowman, S. H., Lbr. Co., 1121 Lbr. Ex., Minneapolis, Minn.
Bowman, Sidney B., Auto Co., 225 W. 49th, New York.
Bowman Supply & Mfg. Co., plumbers' & mill & facty. supplies, 890 Progress, Pittsburgh, Pa.
Bowman Technical School, engng., Lancaster, Pa.
Bowman, W. N., architect, Central Savings Bk., Denver, Colo.
Bowman, Walker, chemical engineer, 39 Cortlandt, New York.
Bowman, Wm., scrap iron, 1325 Eastern av, Baltimore, Md.
Bowman's, Ezra F., Sons, mchsts. & fdrs., Lancaster, Pa.
Bowman's Hdwe. & Implt. Co., whol., Sacramento, Cal.
Bown, Geo. G., & Sons, carriages, Fairport, N.
Bowser, R. M., & Son, display racks, Renfrew, Pa.
Bowser, S. F., & Co., oil tanks & pumps, Fort Wayne, Ind.
Bowser Sanitary Mfg. Co., water closets, Lafayette, Ind.
Bowsher, N. P., Co., machinery specialties, South Bend, Ind.
Bowstead, Henry G., architect, Marion, Ind.
Bowyer, O. M., mchsts. & fdrs., Fincastle, Va.
Box, Albert K., music cabinets, Pulaski, N. Y.
Box, Alfred & Co., cranes, hoists, etc., 813 N. Front, Phila.,
Boxall, Geo. W., contractor, Montclair, N. J.
Boxill & Burel, carbon brushes, 1022 E. Michigan, Indianap Ind.
Boxton, Geo. W., & Son, contractors, Hearst Bldg., San Fr cisco, Cal.
Boyajohn-Arnold Co., contractors, Panama Bldg., Portland,
Boyce, Alex. R., machsts., ft. Front, Long Island City, N. Y.
Boyce Cotton Oil & Mfg. Co., Ltd., Boyce, La.
Boyce Hardware Co., Port Huron, Mich. & Wellsville, N. Y.
Boyce Lumber & Realty Co., Boyce, La.
Boyce, Myron J., models, gas regulators, 1 Bethune, New Yo
Boyce, W. E., Bldg. & Mfg. Co., 1153 Wells, Chicago, Ill.
Boyd & Berry, contractors, 11 Crampion Way, Boston, Mass
Boyd, C., Paper Co., Appleton, Wis.
Boyd, Chas. C., & Co., lumber mfrs., Glenn Bldg., Cincinnati
Boyd, Chas. H., architect, Park bldg, Pittsburgh, Pa.
Boyd Construction Co., Ger. Life Bldg., St. Paul, Minn.
Boyd & Cook, contractors, Reibold Bldg., Dayton, O.
Boyd, D. Knickerbocker, architect, 139 S. 15th, Philadelphia,
Boyd, F. O., & Co., alcohol, 433 Washington, New York.
Boyd, F. Shirley, auto. springs, 903 Boylston, Boston, Mass.
Boyd, Fred., Co., masons' & bldrs.' matls., Seattle, Wash.
Boyd, Frederick S., architect, 579 Massachusetts av, C bridge, Mass.
Boyd, Harry C., contractor, Coraopolis, Pa.
Boyd, J. S., Co., velvets, Williamstown, Mass.
Boyd, Jas., candles, 408 W. 26th, New York.
Boyd, Jas. & Bro., hose & fire couplings, 25th & Wharton, P delphia, Pa.
Boyd, Jno., Plumbing & H'tg Co., 284 Columbus av, New Y
Boyd, James, & Bro., fire dept. supplies, 25th & Wharton, P delphia, Pa.
Boyd, Lawrence V., architect, Harrison Bldg., Philadelphia,
Boyd Lbr. Co., Boydville, Ga.
Boyd, Lunham & Co., meat packers, 208 S. La Salle, Chicago
Boyd & Stewart, architects, People's Bk. bldg, Pittsburgh, I
Boyd, Wm., Jr., architect, Vandercrift bldg., Pittsburgh, Pa.
Boydell Bros. White Lead & Color Co., 40 E. Lafayette, Det Mich.
Boye & Emmes Machine Tool Co., Cincinnati, O.
Boyer, A., Broom Co., Galesburg, Ill.
Boyer-Campbell Co., mill & facty. supplies, Campbell bldg. troit, Mich.
Boyer, E. W., architect, Ferguson Bldg., Pittsburgh, Pa.
Boyer, Geo. H., architect, Lebanon, Pa.
Boyer, Harry, Inc., contrs., Billings, Mont.
Boyer, J. Frank Co., htg. contrs., Norristown, Pa.
Boyer, Lynn H., architect, Wildwood, N. Y.
Boyer, Mahlon H., lumber, Pine Grove, Pa.
Boyer Oil Co., Inc., oils, 25 W. B'way, New York.
Boyer & Rogers, architects, Pocatello, Idaho.
Boyer, W. C., & Son, architects, Higginsville, Mo.
Boyer, W. W., & Co., canned goods, 2327 Boston, Baltimore
Boyers & Baldwin, machsts. & fndrs., Los Angeles, Cal.
Boyes & Blandford Co., contrs., Grand Rapids, Mich.
Boyertown Burial Casket Co., Boyertown, Pa.
Boyes, Hulshizer & Co., flour, Seward, Neb.
Boyeson, H. C., & Co., advtg. novelties, 350 Minnesota at St. Paul, Minn.
Boylan, Wm. H., architect, 390 George, New Brunswick, N.
Boyland, Jno. P., architect, 4780 3rd av, New York.
Boyle, A. S. Co., paint & varnish remover, 1934 Dan Cincinnati, Ohio.
Boyle Bros., machsts. & fndrs., Woodward, Okla.
Boyle, C. A. & Co., enamel cleaner, 643 Washington blvd cago, Ill.
Boyle Can Co., Wolfe & Thames, Baltimore, Md.
Boyle, Clarence, Inc., lbr., 11 S. La Salle, Chicago, Ill.
Boyle, Frank, & Sons, contractors, 154 E. 40th, New York.
Boyle, Harry C., & Co., architects, Evansville, Ind.
Boyle, Harry E. & Co., architects, Furniture bldg., ville, Ind.
Boyle, J., & Co., canned goods, Wolfe & Thames, Baltimor
Boyle, Jas., cattle stanchions, Salem, Ohio.
Boyle, Jas. A., architect, 367 Fulton, Brooklyn, N. Y., & B Bldg., Wilkes-Barre, Pa.
Boyle, Jas. W., contractor, Freeland, Pa.
Boyle, John & Co., canvas stitched belting mfrs., 112 D New York.
Boyle, John, & Co., mchsts. & fdrs., Peabody, Mass.
Boyle, Jno., Co., mural decorators, New Britain, Conn.
Boyle, John, & Co., canvas roofing & tents, etc., 112 Duane York.
Boyle, John F., Co., paper & pulp mills, 500 Montgomery, City, N. J.
Boyle Mfg. Co., auto accessories, shipping drums, garbage buckets & tubs, galvanized ware, etc., 5100 Santa F Angeles, Cal.
Boyle, P. J., mach. & fdr., Mangum, Okla.
Boyle-Robertson Constr. Co., Evans bldg, Washington, D.
Boyle, Thos., cornices, La Salle, Ill.
Boyle, Thos., stone, 174 Riverside av, Newark, N. J.
Boylston Mfg. Co., shoe machy., 251 A, Boston, Mass.

ton Steam Specialty Co., pressure regulators, 116 W. Illinois, Chicago, Ill.
e City Chemical Co., wood alcohol, Boyne City, Mich.
e City Lumber Co., Boyne City, Mich.
ton, Chas. E., architect, Limerick, Me.
ton & Church, contractors, Merchants National Bk. Bldg., St. Paul, Minn.
ton & Co., mouldings, wood turnings, etc., 1725 Dickson, Chicago, Ill.
ton Furnace Co., mchsts. & fndrs., 106 W. 37th, New York.
ton, John H., parquet floors, 3 W. 14th, New York.
ton Land & Lbr. Co., 915 Olive, St. Louis, Mo.
ton Lbr. Co., White City, Texas.
ton, Louis H., architect, Ann Arbor, Mich.
ton, W. J., turpentine, Havana, Fla.
Walter Co., harness, Des Moines, Ia.
, Porter, & Co., machsts. & fdrs., Connellsville, Pa.
rth Lbr. Co., Egg Harbor City, N. J.
an, C. W., & Son, canned goods, Eden, Md.
Bros. Co., contractors, Niagara Falls, N. Y.
ch, Walter, contrs., Manitowoc, Wis.
nt, Gifford, architect, 2717 N. Kedzie av, Chicago, Ill.
on Bros., mchsts. & fndrs., hdwe. mfrs., 47 Hamilton, Newark, N. J.
, A. E., Constr. Co., Gloversville, N. Y.
& Hergert Mill Co., lumber mfrs., Seattle, Wash.
Leather Goods Co., auto. straps, Pontiac, Mich.
L. S. Supply Co., railway signals, etc., 129 Sussex av, Newark, N. J.
ier Co., stones, razor hones, whetstones, Belleville, N. J.
bill, T. L., carriages, Strasburg, Pa.
tett Bridge Co., steel struct. wk., First Nat. Bank Bldg., Cincinnati, Ohio.
tett Construction Co., 1st Nat. Bk. Bldg., Cincinnati, Ohio.
tett, H. F., & Co., scrap iron & steel, 77 Newman, Boston, Mass.
tett, J. L. & Co., trunk mfrs., Portland, Me.
tett, Josiah, & Son, Sumac, 134 Summer, Boston, Mass.
tett, Shaw & Lunt Co., machsts. & fdrs., Somersworth, N. H.
bury Bros., htg. contrs., Denver, Colorado.
bury, Edwin H., contr., Sheidley Bldg., Kansas City, Mo.
bury Marble Co., 4165 Duncan, St. Louis, Mo.
dock Lumber Co., Braddock, Pa.
dock Manufacturing Co., machsts. & fdrs., Braddock, Pa.
en, A. R., lumber, Clarington, Pa.
en Mfg. Co., conductor pipe mfrs., cornices, Terre Haute, Ind.
en Printing Ink Co., 104 St. Clair, Cleveland, O.
entown Hardware Co., Bradentown, Fla.
ford Belting Co., see Graton & Knight Mfg. Co. (successors).
ford Co., advtg. signs, St. Joseph, Mich.
ford Co., importer of aluminum products, 200 5th av, New York.
ford & Deruchie, cornices, 439 E. Water, Syracuse, N. Y.
ford Draft Gear Co., Atlanta, Ga.
ford & Elliott, flour mills, Sunrise, Ky.
ford Fireproofing Co., Bradford, Pa.
ford, G. M., pckg. box mfrs., Williamsburg, Mass.
ford Hdw. Lbr. Co., Bradford, Pa.
ford-Hicks Lumber Co., Shreveport, La.
ford, J. W., architect, Fort Dodge, Ia.
ford, James Co., paints, Wilmington, Del.
ford-Kennedy Co., lumber, Omaha, Neb.
ford, Kyle & Co., wire, Plymouth, Mass.
ford, Louis, Lumber Co., South Omaha, Neb.
ford Machine Tool Co., 657 Evans, Cincinnati, Ohio.
ford Machy. Co., new & used machy. dlrs., Bridgeport, Conn.
ford Milling Co., flour, Bradford, Tenn.
ford Motor Wks., mchsts. & fdrs., Bradford, Pa.
ford Oil Co., Lynn, Mass.
ford Pressed Brick Co., Bradford, Pa.
ford, R. E., auto gloves, Gloversville, N. Y.
ford Supply Co., oil well supplies, Bradford, Pa.
ford, Thos., machsts., Danielson, Conn.
ford, Wm. A., Co., soil, pipe, hooks, Chestnut Quincy, Mass.
ford, Geo. W. W., canned goods, Bel Air, Md.
ford Wool Comb Co., machsts., 1908 E. Westmoreland, Philadelphia, Pa.
ford & Co., advtg. nov. & spec., St. Joseph, Mich.
l, Frank, cornices & skylights, Ludington, Mich.
lee & Chatman Co., machsts. & fndrs., 54 Canal, Boston, Mass.
lee & Co., chain mfrs., 726 Richmond, Philadelphia, Pa.
lley, A. J., Mfg. Co., oil, stencil inks, stencil cutting machines, paper, etc., 101 Beekman, New York.
*See adv index at end of book*
ley Brick Co., Mooresville, Ind.
lley & Co., contrs., Portsmouth, O.
lley, C. C., & Son, power hammers, etc., Syracuse, N. Y.
*See adv index at end of book*
lley, C. E., Motor Co., spark plugs, 268 Diamond, Phila., Pa.
lley, Chas. S., canned goods, Preston, Md.
lley, Chas. S., metallurgical engr., 39 W. 38th, New York.
lley Co., cornices, New Haven, Conn.
lley Co., lumber, Tomahawk, Wis.

Bradley Contracting Co., 1 Madison av, New York.
Bradley, David, Machine Works, malleable & steel castings, Bradley, Ill.
Bradley & Farnham, can openers, locks, catches, etc., Middlefield, Conn.
Bradley Ford Co., ambulances, hearses, Cicero, Ill.
Bradley, G. W., Axe & Tool Mfg. Co., 119 Leonard, New York.
Bradley Gin Saw Filer Co., Dallas, Tex.
Bradley, H. C., machsts., Bridgeport, Conn.
Bradley Heating Co., 3834 Olive, St. Louis, Mo.
Bradley & Hubbard Mfg. Co., mchsts. & fdrs., electric & gas light fixtures, Meriden, Conn.
Bradley Iron Wks., rust-proofing, 37 Ferris, Brooklyn, N. Y.
Bradley, John, tubular boilers, 317 Ferry, Newark, N. J.
Bradley, John C., contractor, Corning, N. Y.
Bradley, J. R., Co., mill & facty. supplies, Reno, Nev.
Bradley Knitting Co., sweaters, cardigans, Delavan, Wis.
Bradley Lumber Co., Warren, Ark.
Bradley Mfg. Works, machts., brass & composition fdrs., Bradley, Ill.
Bradley, Miller & Co., lbr. mfrs., Bay City, Mich.
Bradley, Milton, Co., toys, games & nov., Springfield, Mass.
Bradley Motor Car Co., Cicero, Ill.
Bradley, N. B. & Sons, salt mfrs., Bay City, Mich.
Bradley, Osgood, Car Co., car axles, bldrs, wheels, etc., Worcester, Mass.
Bradley, P. & Sons, agricultural implements, Harrisonburg, Va.
Bradley, Perry, machinist, Oberlin, Kans.
Bradley, Peter, contr., 180 Jessie, San Francisco, Cal.
Bradley Polytechnic Institute, engng. schools & coll., Peoria, Ill.
Bradley Pulverizer Co., machy., 92 State, Boston, Mass.
Bradley, S. M., lumber, Morehead, Ky.
Bradley & Smith, mill brushes, etc., 251 Pearl, New York.
Bradley Stencil Mach. Co., 3745 Forest Pk. blvd., St. Louis, Mo.
Bradley, Thos. H., mill & facty. supplies, Watertown, N. Y.
Bradley & Vrooman Co., paints, enamels, etc., 2632 S. Dearborn, Chicago, Ill.
Bradley, W. B., Constr. Co., Richmond, Va.
Bradley, W. C., Co., fertilizer, Columbus, Ga.
Bradley, Walter T. Co., lime mfrs., 9th & Thompson, Phila., Pa.
Bradley, Wm. & Son, stone producers, 547 Vernon av, Long Island City, N. Y.
Bradney Mach. Co., Inc., brick conveyors, cranes, Middletown, N. Y.
Bradshaw, Alfred, contr., Oakville, Conn.
Bradshaw, C. B., architect, Orange, Cal.
Bradshaw & Co., brick, tile, Fort Dodge, Ia.
Bradshaw, Preston J., architect, Inter'l Life Bldg., St. Louis, Mo.
Bradsto Appliances, Inc., auto locks, paint spraying & sand blast machy, 65 Main, Buffalo, N. Y.
Bradstreet, Wm. H., plate glass, 165 S. Pearl, Albany, N. Y.
Bradt, Henry J., contractor, Jackson, Mich.
Bradt Paint Specialty Co., Troy, N. Y.
Bradway, C. P., Machine Wks., West Stafford, Conn.
Bradway Novelty Co., soap bubblers, 1 W. B'way, New York.
Brady, A. J., contractor, Marion, O.
Brady, Albert I., architect, 15 Broad, New York.
Brady Brass Co., mchsts. & fndrs., 170 14th, Jersey City, N. J.
Brady Bros., contractors, Bayonne, N. J.
Brady Bros., lbr. mfrs., Tonawanda, N. Y.
Brady & Co., heating contrs., 125 Curtis, Chicago, Ill.
Brady Elec. Mfg. Co., New Britain, Conn.
Brady, F. A., Inc., hdwre. who., 30 Church, New York.
Brady & Fitzpatrick, contractors, Troy, N. Y.
Brady, Jas., masons' & bldrs., matls., Lansdale, Pa.
Brady, Jas. A., Fdry Co., 45th & Western Blvd., Chicago, Ill.
Brady, Jas B., Co., crushed stone, 525 E. 118th, New York.
Brady, John T., & Co., contractors, 193 Park av, New York.
Brady, Jos. L., architect, Keokuk, Ia.
Brady, R. H., contractor, Wilmington, N. C.
Brady, S. D., architect, Franklin, Pa.
Brady, W. B., Const. Co., 111 W. Washington, Chicago, Ill.
Brady, Wm. M., architect, 15 Alexander av, Yonkers, N. Y.
Brady's, Jas., Sons Co., contractors, Bayonne, N. J.
Braeburn Steel Co., Braeburn, Pa.
Braecklein, J. G., archt., Victor Bldg., Kansas City, Mo.
Braemer Air Conditioning Corp., apparatus, Lafayette Bldg., Philadelphia, Pa.
Braender Bldg. & Constr. Co., 315 4th av, New York.
Braender, Philip, see Braender Bldg. & Constr. Co. (successors).
Braender Rubber & Tire Co., Rutherford, N. J.
Bragaw Fertilizer Co., Washington, N. C.
Bragdon, Claude F., architect, Cutler Bldg., Rochester, N. Y.
Bragdon, L. C., granite prod., Franklin & North Sullivan, Me.
Bragdon, Louis G., contractor, West Medford, Mass.
Brager, B., garment hangers, display racks, 84 5th av, New York.
Bragg, Jno. I., machsts., 24 Atwood, Providence, R. I.
Bragg, N. H., & Sons, wholesale hdwe., Bangor, Me.
Bragger, J. J., fndrs., Watertown, N. Y.
Braggins, John H., & Sons, cornices, Erie, Pa.
Bragonier, A. C., & Son, lubrg. oils, 343 N. Calvert, Balto., Md.
Bragstad Concrete Machy. Co., Canton, S. D.
Braid Electric Co., mchsts. & fdrs., Nashville, Tenn.
Brainard Bros., meat packers, 15 Exch. pl, Jersey City, N. J.
Brainard Pulverizer Co., Old Colony Bldg., Chicago, Ill.

Brainard & Wilson Co., sliding furn. shoes, Danbury, Conn.
Brainerd & Armstrong Co., silk thread, New London, Conn.
Brainerd, J. W., Steel Co., rivet, etc., Warren, Ohio.
Brainerd, Leeds & Kellogg, architects, 89 Franklin, Boston, Mass.
Brainerd Mfg. Co., door bolts, holders, etc., E. Rochester, N. Y.
Brainerd, Shaler & Hall Quarry Co., stone producers, Portland, Conn.
Brainerd, Wm. L., architect, Paducah, Ky.
Braintree Rubber Cement Co., S. Braintree, Mass.
Braithwaite, C. W., Co., label & paint mfrs., 313 So. Canal, Chicago, Ill.
Braithwaite Bros., canned goods, Cross Junction, Va.
Braithwaite, Jesse, architect, Spanish Fork, Utah.
Brakeley, A., canned goods, Bordentown, N. J.
Brakeley, J., canned goods, Freehold, N. J.
Brakeman, Harvey, architect, Franklin, Pa.
Braman, Dow & Co., mill & facty. supplies, 239 Causeway, Boston, Mass.
Braman Mfg. Co., wood nov., Carthage, N. Y.
Brambach Piano Co., 643 W. 49th, New York.
Bramble, James A., canned goods, Joppa, Md.
Bramble, T. M., & Co., canned goods, Cambridge, Md.
Bramblet & Huseman, architects, Oklahoma Bldg., Oklahoma City, Okla.
Bramcote Fdry. & Mach. Co., Pottstown, Pa.
Bramer, E. L., contractor, Lyons, N. Y.
Bramhall-Deane Co., cooking app., 261 W. 36th, New York.
Bramlage, Louis, l'br., Hamburg, Ind.
Brammer, H. F., Mfg. Co., machsts. & fndrs., Davenport, Ia.
Branagan, Jas. M., electric & gas light fixtures, 537 W. Erie, Philadelphia, Pa.
Branch & Coffer, contrs., Mills bldg, San Francisco, Cal.
Branch Saw Co., 2323 N. 9th, St. Louis, Mo.
Branchland Supply Co., mill & facty. supplies, Huntington, W. Va.
Brand, August, carriages, Springfield, Ill.
Brand, Chas. F., burners, furnaces, garbage, etc., 16th & Jacob, Wheeling, W. Va.
Brand-Dunwoody Milling Co., flour, Joplin, Mo.
Brand, Gustave A., & Co., leaded glass, 1428 Michigan av, Chicago, Ill.
Brand & Hardin Milling Co., flour, Saginaw, Mich.
Brand, Herbert A., architect, 111 W. Washington, Chicago, Ill.
Brand, Herman, bone dealer, 404 E. 48th, New York.
Brand & Herrman, electro plating, 247 Centre, New York.
Brand, John T., stone producers, Lithonia, Ga.
Brand & Newmeyer Granite Co., Lithonia, Ga.
Brand, S. H., Co., mill & facty. supplies, 559 W. Lake, Chicago, Ill.
Brand Stove Co., 319 6th, Milwaukee, Wis.
Brand, William F., flour mills, Staunton, Va.
Brandano, Daniel, contractor, Malden, Boston, Mass.
Brandau Shoe Co., 89 Sherman, Detroit, Mich.
Brandell Co., concrete stone machines, Union Central Tower, Cincinnati, O.
Brandeis Machinery & Supply Co., contractors' tools & supplies, 331 W. Main, Louisville, Ky.
Brandes, C., wireless tel. instruments, 32 Union sq., New York.
Brandes, Carl, machinist, 1327 Otto, Chicago, Ill.
Brandenberg Cobbling Supply Co., 1335 N. Clark, Chicago, Ill.
Brandin, Wm., architect, 55 Vanderveer av, Brooklyn, N. Y.
Brandis & Sons' Mfg. Co., engng. & surveying instruments, 754 Lexington av, Brooklyn, N. Y.
Brandis, Wm., cornices, 3109 Reading rd, Cincinnati, Ohio.
Brandon, Alfred E., architect, 30 W. 134th, New York.
Brandon, D. F., contractor, Chattanooga, Tenn.
Brandon, D. S., brick, Huntsville, Ala.
Brandon, Isaac, & Bro., crude rubber, 17 Battery pl, New York.
Brandon Lime & Marble Co., Leicester Junction, Vt.
Brandon Lumber Co., Auburn, Ind., & St. Marys, Ga.
Brandon Mills, cotton sheetings, Greenville, S. C.
Brandsville Canning & Preserving Co., Brandsville, Mo.
Brandt, F. W., machsts. & fndrs., Carmi, Ill.
Brandt, A., Upholstering Co., bed springs, Fort Worth, Tex.
Brandt, Berkley, architect, 30 N. Michigan av, Chicago, Ill.
Brandt Bros., cornices & skylights, Spokane, Wash.
Brandt, C. H. W., chicory mfrs., Stockton, Cal.
Brandt, Christian W., architect, Kresge Bldg., Detroit, Mich.
Brandt Clay Products Co., drain tile, Binghamton, N. Y.
Brandt-Dent Co., machsts. & fndrs., Watertown, Wis.
Brandt, Harry, Constr. Co., Seattle, Wash.
Brandt, J. M., machst. & fndr., Bellevue, Ia.
Brandt, John, architect, 271 W. 125th, New York.
Brandt, Louis, architect, 1900 Euclid av, Cleveland, Ohio.
Brandt, L., architect, Park bldg, Pittsburgh, Pa.
Brandt Mfg. Co., adding mach., Watertown, Wis.
Brandt Mfg. Co., spray pumps, 310 3rd av, N., Minneapolis, Minn.
Brandt, Randolph, gum gaskets; packing mfrs.; pump valves, 70 Cortlandt, New York.
Brandt, W. H., & Co., masons' & bldrs.' matls., 3015 Walnut, Milwaukee, Wis.
Brandwein, A., mattresses, 2341 S. State, Chicago, Ill.
**BRANDYWINE FIBRE PRODUCTS CO.**, 815 Shipley, E. Wilmington, Del. *See adv index at end of book*
Branitzky, N. Thos., architect, 54 W. Randolph, Chicago, Ill.

Brann & Stuart Co., contractors, Commer. Trust Bldg., P... delphia, Pa.
Branner, John K., architect, 251 Kearny, San Francisco, C...
Branning Mfg. Co., lbr., Edenton, N. C.
Brannum-Keene Lbr. Co., sash, door & blind mfrs., Indianap... Ind.
Brannum Lumber Co., Alexandria, Ind.
Branson Brick Co., Marlin, Tex.
Bransford, C. H., & Son, brick, Fulton, Ky.
Branson & Griswold Hdwe. Co., Trinidad, Colo.
Bransford Mills, flour, Owensboro, Ky.
Bransford, T. L., & Sons, brick, common, Union City, Tenn.
Brant, A. A., Lumber Co., Toms River, N. J.
Brant & Apple Co., ties, poles & posts, Lucasville, Ohio.
Branthoover & Johnston Co., mill & facty. supp., Cambridg...
Brantley & Doby, granite producers, Lithonia, Ga.
Brantley, W. L., lumber, Sylvania, Ga.
Branyon, M. L., & Bro., masons' & bldrs.' matls., Mansfield, ...
Brasco Mfg. Co., brass door guards, thresholds, bank rail... copper store fronts, 1451 S. Michigan av, Chicago, Ill.
Brashears, W. I., lbr., Josephine, Miss.
Brasher, H. D., Lbr. Co., Columbus, Ohio.
Brass & Bronze Orna. Art Mfg. Co., see Brass & Bronze Ligh... Fixtures Co. (successors).
Brass City Lbr. Co., sash, dor & blind mfrs., Waterbury, C...
Brass Fixtures Co., desk telephones, brackets, Southington, C...
Brass Fndrs. Supply Co., Wilson av, Newark, N. Y.
Brass Fdry. Co., Peoria, Ill.
Brass Goods Mfr. Co., 345 Eldert, Brooklyn, N. Y.
Brass Goods Mfg. Co., 107 Lafayette, New York.
Brass Industrial Wks., castings, Petersburg, Ill.
Brass Products Co., brass fndrs., 1067 Palmer, Detroit, M...
Brass Spec. Co., desk sets, 1645 N. 10th, Philadelphia, Pa.
Brass World Publishing Co., trade publication, 55 Duane, ... York.
Brassart Fixture Co., elec. & gas light fixtures, 20 Wa... New York.
Brassington, Jno., Inc., advtg. spec., Milwaukee, Wis.
Braswell, S. G., flour mills, Boma, Tenn.
Brattain, E. C., lumber, Lena, Ind.
Braucher, Ernest M., architect, 6 N. Clark, Chicago, Ill.
Braudy, M., & Sons, mill & facty. supplies, Grand Rapids, M...
Brauer, A. G., Supply Co., machsts., 316 N. 3rd, St. Louis, ...
Brauer Acetylene Lighting Co., Marshalltown, Ia.
Brauer Bros. Mfg. Co., sporting goods, 204 N. 14th, St. L... Mo.
Brauer, Justus, & Son, life preservers, 129 Arch, Phila., P...
Braumuller Piano Co., 626 W. 43d, New York.
Braun Bros. & Co., lumber, Athens, Wis.
Braun Bros., contrs., Dubuque, Ia.
Braun, Chas., architect, 459 41st, Brooklyn, N. Y.
Braun Corporation, laboratory equipt., 363 New High, Los... geles, Cal.
Braun Electric Mfg. Co., motors, Canal, Dover, Ohio.
Braun, Frank, 211 2nd av, Astoria, N. Y.
Braun Gear Corp., 1323 Gates av, Brooklyn, N. Y.
Braun, H. & Son, contrs., Atchison, Kan.
Braun & Howe, masons' & bldrs.' matls., 66 Huron, Broo... N. Y.
Braun, J. G., ornamental iron work, 609 So. Paulina, Chi... Ill.
Braun, J. M., contractor, Sheboygan, Wis.
Braun, J., & Sons, machsts. & fndrs., 1615 N. 23d, Phila., P...
Braun-Knecht-Heimann Co., chemicals, 576-584 Mission, ... Francisco, Cal.
Braun, Wm. & Co., elec. contrs., 30 Church, New York
Braun, Wm. T., architect, 155 N. Clark, Chicago, Ill.
Braunfels, Browning & Co., mill & facty. supplies, 1940 ... av, New York.
Braunlich, C. F. & Co., hdwe., Wheeling, W. Va.
Braunschweig-Briam-Reich Co., who. hdwe., 106 E. Com... ct., San Antonio, Tex.
Braunschweiger Bros., machinists, Toledo, Ohio.
Braunsdorf, Geo. W., paper, fibre & felt washers, 430 E. ... New York.
Braunsdorf, John H., machinist, Pearl River, N. Y.
Braunsdorf-Mueller, machinists, Elizabeth, N. J.
Braunstein Bros., Co., shades, 124 Wooster, New York.
Braunton, Harold, contractor, 180 Jessie, San Francisco, C...
Brauman & Co., mattresses, Welkesburne, Pa.
Brawley, T. R., felt specialties, felt gaskets, washers, etc. ... 20th, Brooklyn, N. Y. *See adv index at end of book*
Braxmar, C. G., Co., fire trumpets, badges, etc., 10 Maide... New York.
Bray Bros., masons' & bldrs.' matls., Terre Haute, Ind.
Bray, G. H., contractor, Atlanta, Ga
Bray, J. N., Lumber Co., Cecil, Ga.
Bray, J., Slate Co., roofing slate, E. Banger, Pa.
Bray & Kates Co., cans, Arlington Heights, Ill.
Bray & Lukens Co., masons' & bldrs.' matls., 861 E. Eagle, ... falo, N. Y.
Bray Lbr. & Box Co., Bray, Cal.
Bray, W. T., architect, Fidelity Bldg., Duluth, Minn.
Bray, Wm., architect, Tucson, Ariz.
Brayer Bros., contractors, Smith Blk., Auburn, N. Y.
Brayer, Wm., machsts. & fndrs., South Haven, Mich.

on Engineering Co., Pittock Blk., Portland, Ore.
lt, M., Co., box shooks, Cohoes, N. Y.
on, L., Fndry. Co., River Point, R. I.
l Novelty Mfg. Co., advtg. nov., 1710 Ella, Cincinnati, O.
lton Lumber Co., Waco, Tex.
Clay Co., Brazil, Ind.
& Drago, architects, 62 State, Rochester, N. Y.
Face Brick Co., Brazil, Ind.
Hollow Brick & Tile Co., Brazil, Ind.
L'br. Co., Brazil, Ind.
Mach. & Fdry. Co., Brazil, Ind.
lan Turpentine Co. (Ltd.), Glenshaw, Pa.
lian, James A., architect, 458 B'way, Boston, Mass.
g, A., & Sons, contractors, Middletown, Conn.
s, Frank, contractor, 135 Foote, New Haven, Conn.
s Valley Cotton Mills, West, Tex.
y, Geo. L., architect, 220 W. 42nd, New York.
hwaite, Thos., knitted gloves, Vineland, N. J.
ey, L. I., gauge glass fitting, 712 N. State, Marshall, Mich.
hwaite, Wm., sweaters, etc., 4931 Gtn. av, Gtn., Phila., Pa.
less Staybolt Co., Thompson av, Pittsburgh, Pa.
water Co., crushed stone, Cleveland, Ohio.
S. D., & Son, tubular boilers, Tacoma, Wash.
ley, H. P., machy. dlrs., 90 West, New York.
lt, Geo., contractor, Woonsocket, R. I.
x Bridge Brick & Milling Co., Ltd., Breaux Bridge, La.
nell, J. H., battery connectors, 26 Court, Brooklyn, N. Y.
er, E. A., & Co., carbon paper, etc., 119 Lafayette, New ork.
t Co., packing house equip., 1201 Cass av, St. Louis, Mo.
Jos., & Sons Corp., whol. hdwe., 55 Franklin, Boston, lass.
Photoplay Supply Co., Stereopticons, San Francisco, Cal.
woldt, J., & Co., sounding boards, Dolgeville, N. Y.
ll's Composition Co., paints, 521 Washington, New York, 818 Mission, San Francisco, Cal.
off & Grimley, tin cans, 344 Front, San Francisco, Cal.
F. & Co., colors, dyes, tragancanth imprts., 240 Water, ew York. *See adv. index at end of book.*
l, Jas., architect, Hibbs Bldg., Washington, D. C.
Mfg. Co., carriage & wagon wheels, Portsmouth, Ohio.
Edw. W., landscape arch., 340 Main, Worcester, Mass.
ng, H. D., architect, Watts Bldg., Birmingham, Ala.
ng, W. R. & Son, canned goods, Federalsburg, Md.
on, Geo. W., flour mills, Bolivar, Tenn.
on's, Wm., Son, needles (spring knitting), Amsterdam, . Y.
Art Glass Co., 29 Martin, Milwaukee, Wis.
Leonard M., bldg. contrs., Paterson, N. J.
Martin, cornices, Galveston, Tex.
Michael, contractor, 1362 Inwood av, New York.
& Rinn, contractors, 624 Madison av, New York.
Stone & Marble Co., Kasota, Minn.
Wm. J., Co., coke & pig iron dlrs., 84 State, Boston, Mass.
Bros. Co., cornices, 2347 Reading rd, Cincinnati, Ohio.
Carburetor Co., machsts. & fndrs., 250 South, Newark, J.
r, L. S., acetylene gas generators, 183-187 W. Third, St. aul, Minn.
ier, F. W., Machine & Tool Co., 815 B'way, Cincinnati, hio
Bros., contractors, Scranton, Pa.
aier, E., & Sons Co., architects, 111 Mason, Milwaukee, /is.
ng, John A., & Son, lumber, Williamsport, Pa.
nger, Chas., & Son, brick, Bucyrus, Ohio.
ng, C. Alfred, architect, 531 23rd av So., Seattle, Wash.
ng, E. N., & Co., iron ores, Cleveland, Ohio.
gel, Geo., cornices, 46 Rose, New York.
Elec. Co., telephone app., etc., Kansas City, Mo.
E. Mfg. Co., plumbers' woodwork mfrs., Hyde Park, Mass.
n Fdry. & Mach. Wks., Bremen, Ga.
n Mfg. Co., machinists, Bremen, Ohio.
r Cut Stone Co., 3100 Roanoke rd, Kansas City, Mo.
r, Hy. F., cornices, 2227 Ogden av, Chicago, Ill.
r, W. A., machinist, Los Angeles, Cal.
r, W. J., mason & bldrs. mtls., Savannah, Ga.
neyer & Bain Co., whol. hdwe., Petoskey, Mich.
unfus Engineering Co., Lorain, Ohio.
kerhoff, Arthur F., landscape architect, 15 E. 40th, New ork
inger, P. F., contractor, Commer. Trust Bldg., Phila., Pa.
man, Chas. W., & Co., window shade mfrs., 2045 Reading d, Cincinnati, Ohio.
man, H. N., & Co., file mfrs., Lancaster, Pa.
man, Jos. P., contractor, Lancaster, Pa.
t, Joseph P., architect, Oil City, Pa.
am Compress Oil & Mfg. Co., meal, Brenham, Tex.
zer, Warren F., Co., contractors, 141 Q, N. W., Washing- on, D. C.
ert Light Projection Co., 49 Cortlandt, Detroit, Mich.
an Construction Co., 11 N. La Salle, Chicago, Ill.
an, Frank, contractor, 1409 Ritner, Philadelphia, Pa.
an, J. E., contractor, 180 Jessie, San Francisco, Cal.
an, J. J. & Sons, mason bldrs., Shelton, Conn.
an, Jno., & Co., boilers, steel plate wk., etc., 24th & M. C. t. R., Detroit, Mich.

Brennan, Joseph F., cornices & skylights, Jacksonville, Ill.
Brennan, J. W., Construction Co., Geneva, N. Y.
Brennan Packing Co., meat packers, 39th & Normal av, Chicago, Ill.
Brennan, Peter J., & Son, contractors, 624 Madison av, New York.
Brennan, Richard, iron wks., forgings, 33 River, Buffalo, N. Y.
Brennan Sand Co., Tullytown, Pa.
Brenneman, J. E., dock bldrs., 1523 S. Front, Philadelphia, Pa.
Brennen Motor Mfg. Co., 101 Grape, Syracuse, N. Y.
Brenner Bros. Mfg. Co., electric & gas light fixtures, Meriden, Conn.
Brenner, Ferd., Lumber Co., Alexandria, La.
Brenner, L., & Co., scrap iron, Lebanon, Pa.
Brenner & Weiner Co., scrap iron, Pottsville, Pa.
Brensike, John, & Son, machsts. & fndrs., Juneau, Wis.
Brent, W. F., contractor, Norfolk, Va.
Brenton, Jos. C., architect, Charleroi, Pa.
Brenton, T. H., brick, Neligh, Neb.
Brereton, W. H., contractor, Des Moines, Ia.
Bresch, B. P., & Bro., soap, 5100 N. 2nd, St. Louis, Mo.
Bresee Mfg. Co., contractors, Mattoon, Ill.
Breseman, E. J., architect, Perkins Bldg., Tacoma, Wash.
Breslauer, A., industrial chemicals, soda ash, caustic soda, bicarbonate soda, calcium chloride, cyanide potassium, eucalyptus oil, rosin & dyestuffs, American Nat'l Bank Bldg., San Francisco, Cal.
Breslauer-Lachicotte & Co., canned goods, Waverly Mills, S. C.
Breslin, Andrew, sash, door & blind, Summit Hill, Pa.
Breslin Boiler & Iron Wks., Fort Smith, Ark.
Bressler, C. O., & Co., cornices, Lebanon, Pa.
Bretand, J. V., Bessemer converters, 2917 W. Gd. blvd., Detroit, Mich.
Bretch, A., cornices, 20 Stone, Dayton, Ohio.
Brethauer, G. J., Planing Mill Co., 2250 Bogen, Cincinnati, Ohio.
Bretney, H. V., Co., harness leather, Springfield, Ohio.
Brett & Hall, landscape architects, 248 Boylston, Boston, Mass.
Brett, Wm. P., machinist, Decatur, Ill.
Bretting, C. G., Mfg. Co., mill & facty. supplies, Ashland, Wis.
Brettner, O. L., architect, Holland Bldg., Springfield, Mo.
Bretz, John E., contractor, Springfield, Ill.
Bretz, J. S., Co., ball bearings, 250 W. 54th, New York.
Breuninger, H. L., architect, Colorado bldg, Washington, D. C.
Breuninger, L. E. & Sons, contrs., Colorado bldg, Washington, D. C.
Bruer, C. R., Smelting & Refining Co., ingots, brass & copper, Beeekman & Hopple, Cinn., Ohio.
Breuscaud, Jules, contractor, 290 B'way, New York.
Breul, Fred G., machinery, Bridgeport, Conn.
Brew Mfg. Co., lbr., Puyallup, Wash.
Brewbaker, J. C., canned goods, Buchanan, Va.
Brewer, A. G., machsts. & fndrs., Natick, Mass.
Brewer Bag Co., 78 Pearl, New York.
Brewer Bros. Co., machinists, 2nd & Somerset, Philadelphia, Pa.
Brewer, Chas. A., & Sons, vending machy., 6320 Howard av, Chicago, Ill.
Brewer & Co., boiler compounds, disinfectants, metal polish, etc., Worcester, Mass.
Brewer & Co., Inc., pharmaceuticals, 221 Commercial, Worcester, Mass.
Brewer, C. R., Metal Refining Co., ingots, brass & copper, 1312 Dayton, Cincinnati, O.
Brewer Elevator Co., 27 Bowker, Boston, Mass.
Brewer, F. P. & W. A., lbr. mfrs., Saginaw, Mich.
Brewer, G. H., contractors' tents, Shreveport, La.
Brewer, R. G., masons' & bldrs.' matls., Mamaroneck, N. Y.
Brewer-Titchener Corp., eyelets, top irons, etc., Cortland, N. Y.
Brewer, H., & Co., machinery, Tecumseh, Mich.
Brewer, J. H., machinist, Mount Vernon, Ohio.
Brewer, L. R., flour, Hickory, N. C.
Brewer & Maltster, trade publications, 69 W. Washington, Chicago, Ill.
Brewer-Nienstedt Lbr. Co., Miltonberg, La.
Brewer, W. L., architect, Greensboro, N. Y.
Brewer, Wm. W., candle machy., Troy, N. Y.
Brewers' Journal, trade publication, 1 Hudson, New York.
Brewing Appliance Spec. Co., machy., Hartford, Conn.
Brewster Bros., contractors, Independence, Kan.
Brewster & Co., automobile bldrs., Queensboro Bridge Plaza, Long Island City, N. Y.
Brewster, Geo. M., & Son, contractors, Tenafly, N. J.
Brewster, H. N., contractor, Ridgefield Park, N. J.
Brewster Lumber Co., Savannah, Ga., and Knowlton, Wash.
Brewster & Son, masons' & bldrs.' matls., Ridgefield, N. J.
Brewster, Wm., & Co., machsts. tools & marketing machy, 30 Church, New York.
Brewton Iron Works, Brewton, Ala.
Breyer Bros. Whiting Co., windmills, Waupun, Wis.
Breyman, G. H., & Bros., contractors, Marine Bldg., Toledo, Ohio.
Breyman, Geo. F., & Bros., contractors, Marine Bldg., Toledo, Ohio, and Boston, Mass.
Breyman Leather Co., Portland, Ore.
Brezee & Mallory, architects, Saratoga Springs, N. Y.
Briante Construction Co., Inc., White Plains, N. Y.
Brick & Clay Record, trade publications, 610 Federal, Chicago, Ill.

Brick, Terra Cotta & Tile Co., Corning, N. Y.
Brickman, J. R., Mfg. Co., mill & facty supplies, St. Louis, Mo.
Brickell & Brickell, architects, Olean, N. Y.
Brickell Constr. Co., Watertown, S. D.
Brickenstein, L. B., rural mail boxes, Winston-Salem, N. C.
Brickey, F. M., & Co., wheat flour, Prairie du Rocher, Ill.
Brickschmitt Quarry & Const. Co., stone prod., 6509 Manchester av, St. Louis, Mo.
Brictson Mfg. Co., tire protectors, Brookings, S. Dak.
Bridalveil Canning Co., Ronda, N. C.
Bridal Veil L'br'g Co., Portland, Ore.
Bride, Grimes & Co., htg. contrs., Lawrence, Mas.
Bridge & Beach Mfg. Co., 1st & Valentine, St. Louis, Mo.
Bridge, Jno., tex. machy. (roll coverers), Chester, Pa.
Bridge, Lewis, & Sons, cornices, Huntington, Ind.
Bridge Shingle Co., lumber, Lawrence, Wash.
Bridgeford Co., machsts. & fndrs., Louisville, Ky.
Bridgeford Machine Tool Works, lathes, etc., 420 Blossom rd, Rochester, N. Y.
Bridgeport Art Glass Co., Bridgeport, Conn.
Bridgeport Barrel Co., Inc., 487 Main, Bridgeport, Conn.
Bridgeport Body Co., 363 Fairfield av, Bridgeport, Conn.
Bridgeport Boiler Wks. Co., Bridgeport, Conn.
Bridgeport Brass Co., machinists, Bridgeport, Conn.
Bridgeport Bronze Marine Paint Co., Bridgeport, Conn.
Bridgeport Chain Co., weldless wire chain, mfrs., 964 Crescent av, Bridgeport, Conn.
Bridgeport Coach Lace Co., Bridgeport, Conn.
Bridgeport Cornice Wks., Bridgeport, Conn.
Bridgeport Crucible Co., Bridgeport, Conn.
Bridgeport Cutter Co., Inc., milling cutter mfrs., Bridgeport, Conn.
Bridgeport Deoxidized Bronze & Metal Co., fndrs., Bridgeport, Conn.
Bridgeport Die & Mach. Co., Bridgeport, Conn.
Bridgeport Dredge & Dock Co., contrs., Bridgeport, Conn.
Bridgeport Electric Products Co., push buttons, telephones & apparatus mfrs., Bridgeport, Conn.
Bridgeport Engng. Co., saw tables for metal, Bridgeport, Conn.
Bridgeport Hardware Mfg. Corp., machine tools & hardware specialties, Bridgeport, Conn.
Bridgeport Lamp Chimney Co., Bridgeport, W. Va.
Bridgeport Malleable Iron Wks. (branch of the Eastern Malleable Iron Wks.), malleable & gray iron castings, Bridgeport, Conn.
Bridgeport Metal Goods Mfg. Co., specialist in metal goods, Bridgeport, Conn.
Bridgeport Metal Treating Co., case & steel hardening, Bridgeport, Conn.
Bridgeport Motor Co., Bridgeport, Conn.
Bridgeport Pattern & Model Co., Bridgeport, Conn.
Bridgeport Piston Ring Co., Bridgeport, Conn.
Bridgeport Plumbing Supply Co., Bridgeport, Conn.
Bridgeport Projectile Co., Union av, Bridgeport, Conn.
Bridgeport Rolling Mills, Inc., brass bars & strip & nickel silver sheets, Bridgeport, Conn.
Bridgeport Safety Emery Wheel Co., 88 Knowlton, Bridgeport, Conn. *See adv index at end of book*
Bridgeport Screw Co., Bridgeport, Conn.
Bridgeport Sewer Construction Co., 165 Lindley, Bridgeport, Conn.
Bridgeport Testing Laboratory, assayers, Bridgeport, Conn.
Bridgeport Wire Goods Co., egg beaters, towel bars, etc., East Port Chester, Conn.
Bridgeport Wood Finishing Works (Du Pont), paints, stains, enamels, polishes, paint & varnish removers, etc., Philadelphia, Pa.
Bridge's, A. D., Sons, contr., cloth boards, silos, etc., Hazardville, Conn.
Bridges, E. D., granite producer, Nevada City, Cal.
Bridges Mfg. Co., photo. mounts, Rochester, N. Y.
Bridges-Smith & Co., paint mfrs., Louisville, Ky.
Bridges & Webber, architects, Chamber of Commerce Bldg., Portland, Ore.
Bridgeton Brick Co., Bridgeton, N. J.
Bridgeton Chandelier Co., electric & gas light fixtures, Bridgeton, N. J.
Bridgeton Condensed Milk Co., canned, Bridgeton, N. J.
Bridgeton Construction Co., contractors, Bridgeton, N. J.
Bridgewater Brick Co., Bridgewater, Mass.
Bridgewater Machine Co., Akron, Ohio.
Bridgewater Mfg. Co., woolen blankets, Bridgewater, Va.
Bridgewater Plow Corp., Bridgewater, Va.
Bridgman Bros. Co., castings, connections, traps, etc., 131 S. 31, Philadelphia, Pa.
Bridgman, E. C., maps, 61 Warren, New York.
Bridgman Mattress Co., Knoxville, Tenn.
Bridgman, Smith, Co., mfrs. fine paper boxes, 487 Kent av., Brooklyn, N. Y.
Bridgton Mach. & Lbr. Co., Bridgton, Me.
Bridley-Fuhrman, Martin Co., wholesale hardware, Elmira, N. Y.
Brieck Bros. Co., contractors, McKeesport, Pa.
Bried, Jas. L., contractor, Englewood, N. J.
Brielmaier & Son, architects, 19 S. La Salle, Chicago, Ill.
Brieman, Chas. G., machst. & fndr., Juneau, Wis.
Brien Heater Co., hot air furnace, mfrs., Westfield, Mass.



Brier, Fisher & Miller, traveling bags, 218 Arch, Phila., Pa.
Brier Hill Collieries Co., Montgomery, Tenn.
Brier Hill Co., bituminous coal mine, Brier Hill, Pa.
Brier Hill Steel Co., Youngstown, Ohio.
Brier, John T., lbr. mfrs., bath, Ind.
Brierley Machine Co., 1736 E. 22d, Cleveland, Ohio.
Brierly, Frank F., & Sons, masons' & bldrs.' matls. & mill facty. supplies, Beaver Falls, Pa.
Brierly-Lombard Co., machsts.; mill & facty. supplies, etc., 6 Main, Worcester, Mass.
Briganti, Domenico, architect, Philipsburgh Bldg., Yonkers, N.
Brigham, Coveney & Bisbee, architects, 184 Boylston, Bost Mass.
Briggs, Abram T., contractor, Taunton, Mass.
Briggs & Allyn Mfg. Co., wood tanks; sash, doors, etc., La rence, Mass.
Briggs Auto Wood Saw Co., 281 Hawthorne av, Portland, Or
Briggs, Beckman, mill & facty supplies, New Bedford, Mass
Briggs, Belmar, Edge Tool Co., Haverhill, Mass.
Briggs Body Co., Amesbury, Mass.
Briggs Carriage Co., auto. bodies, trolley wheels, Amesbury, M
Briggs & Cooper Co. (Ltd.), lbr. mfrs., Saginaw, Mich.
Briggs Chemical Works, Naphthalene, Amherst, Ohio
Briggs Engineering & Constr. Co., 75 Westminister, Pro dence, R. I.
Briggs Engng. Co., machinists, ft. 24th, Brooklyn, N. Y.
Briggs, Geo. M., Inc., contrs., Newton, Mass.
Briggs, G. S., & Co., lumber mfrs., Norfolk, Va.
Briggs, Geo. T., contractor, Narragansett Pier, R. I.
Briggs Hardware Co., Neosha, Mo.
Briggs, J. E., architect, Parsons, Kan.
Briggs, John, & Co., color mfrs. & importers, 45 Purchase, F ton, Mass.
Briggs, Jno. D., architect, Raleigh, N. C.
Briggs Labor Saving Spec. Co., concrete spreading dump ca Waterloo, Iowa.
Briggs Lumber Co., Oneonta, N. Y., and Walker, Ore.
Briggs, Marvin, Inc., machy. dlrs., 167 6th, Brooklyn, N. Y
Briggs & McLaughlin Contrg. Co., 337 E. 134th, New York.
Briggs Machinery Co., mill & facty. supplies & wood work machy., 238 2nd av, Pittsburgh, Pa.
Briggs Mfg. Co., auto bodies, Taft av, Cleveland, Ohio.
Briggs Mfg. Co., tire fabrics, Voluntown, Conn.
Briggs & Nelson, architects, Rose Bldg., Cleveland, Ohio.
Briggs, Oliver L., & Son, billiard tables, 61 Essex, Boston, M
Briggs Pump Co., Omaha, Neb.
Briggs-Shaffner & Co., machinists, Winston-Salem, N. C.
Briggs & Stratton Co., switches, 1047 Louis, Milwaukee, Wi
Briggs, Thos. H., & Sons, wholesale hardware, Raleigh, N.
Briggs & Turivas, scrap iron, 110 S. Dearborn, Chicago, Ill.
Briggs, W. H., Hardware Co., Valdosta, Ga.
Briggs-Weaver Machinery Co., Dallas, Tex.
Briggs, W. R., architect, Security Bldg., Bridgeport, Conn.
Brigham, Arthur A., mill & facty. supplies, Old South B Boston, Mass.
Brigham Bros., brick, East Kingston, N. Y.
Brigham, Charles, architect, Watertown, Mass.
Brigham City Canning Co., Brigham, Utah.
Brigham, N. R., architect, Keeline bldg, Omaha, Neb.
Brigham Sheet Gelatine Co., 276 Pearl, New York.
Bright Circle Mfg. Co., vacuum cleaners, Toledo, Ohio.
Bright & Co., mill & facty. supplies; masons' & bldrs.' matl wholesale hardware, Reading, Pa.
Bright, Geo., Hardware Co., Pottsville, Pa.
Bright, H. F., lumber, Ashland, Pa.
Bright, H. V., machy., turnstiles, 1104 Prospect, Clevel Ohio.
Bright, J. H., Contr. & Bldg. Co., Arcade bldg, St. Louis, M
Bright Star Battery Co., 316 Hudson, New York.
Brightman Bros., paint, New Bedford, Mass.
Brightman Furnace Co., 2570 B'way, Cleveland, Ohio.
Brightman Mach. Co., Quincy & C. & P. Ry., Cleveland, Ohi
Brightman Mfg. Co., shafting & straightening machy., Colum Ohio.
Brightman Nut & Mfg. Co., Sandusky, Ohio.
Brighton Fire Brick Co., New Brighton, Pa.
Brighton Fdry. Co., 3306 Artesian av, Chicago, Ill.
Brighton Mills, cotton duck, Passaic, N. J.
Brighton Mills Co., lbr., Brighton, Ore.
Brightwood Brass Fdry., Springfield, Mass.
Brigman Shingler & Co., turpentine, Milltown, Ga.
Briley, C. A., heating contractors, 1003 Forbes, Pittsburgh,
Brill, J. G., Co., auto. wood bodies, 62d & Woodland, Phila.,
Brillhart, Jacob S., & Sons, brick, Porters Sideling, Pa.
Brilliant Mfg. Co., signs, 1035 Ridge av, Philadelphia, Pa.
Brilliant Searchlight Mfg. Co., 529 S. Dearborn, Chicago, I
Brilliant Sign Co., 3531 Washington av, St. Louis, Mo.
Brilliant Sign Letter Co., 478 6th av, New York.
Brillion Brick & Tile Co., Brillion, Wis.
Brillion Iron Wks., Brillion, Wis.
Brillion Lumber Co., Brillion, Wis.
Brim, A. W., letters & figures, Seneca Falls, N. Y.
Brimberg, H., bags, burlap, etc., 546 Pearl, New York
Brimer & England Bros., contractors, Knoxville, Tenn.
Brinckloe, Wm. Draper, archit., Easton, Md., & Wilmington,
Brindle, D. E., contractor, Carlisle, Pa.

man, M. D., architect, Huntington, Ind.
nstool Co., paint, Los Angeles, Cal.
, C. I., Inc., Signs, 24 Gold, Boston, Mass.
, E. P., & Son, architects, 817 11th, N. W., Washington, D. C.
erhoff, J. P., Sons, machsts. & fndrs., 57 Dey, New York.
erhoff Piano Co., 209 S. State, Chicago, Ill.
ley Car Wks. & Mfg. Co., Brinkley, Ark.
ley-Curd Hdwe. & Implement Co., Pueblo, Colo.
ley Supply Co., mill & facty supplies, Seattle, Wash.
man, H., brick, Mount Vernon, Ind.
man, H. W., architect, Emporia, Kan.
mann Bros., cornices, 2617 Frankford, Philadelphia, Pa.
mann, J. H., & Sons, furnaces, 1913 Olive, St. Louis, Mo.
s, Hy., & Sons, contractors, Quincy, Ill.
ey & Holbrook, landscape architects, 156 5th av, New York.
y, Hardy Co., agric. implement mfrs., Louisville, Ky.
er, E. C., Sons, baseball bats, handles, poles, etc., Richmond, Va.
on, H., Co., machinists, 213 Race, Philadelphia, Pa.
on Motor Truck Co., 5805 Market, Philadelphia, Pa.
e, B. P., architect, Carter Bldg., Houston, Tex.
e Devices Co., carbureters, Jackson, Mich.
e Motor Corp., automobile builders, Jackson, Mich.
e, W. D., machinist, 1818 E. N. W., Washington, D. C.
tine Bros., canned goods, Prospect, Va.
n Boiler & Iron Wks., Fort Smith, Ark.
n Bros., brick, Millersport, Ohio.
y, W. L., Lumber Co., Anderson, S. C.
nan & Co., contractors, Moline, Ill.
r, B. E., Merc. Co., lumber, Bogue Chitto, Miss.
r & Knowles, contractors, Petersburg, Va.
l Bay Packing Co., salmon packers, 112 Market, San Francisco, Cal.
l Brass Co., brass sheets, rods, etc., Bristol, Conn.
l Coffin & Casket Co., Bristol, Va.
l Co. (The), "Bristol's" recording instruments for pressure, temperature, electricity, time, motion, speed, humidity, temperature control, etc., also patent belt fasteners & safety set screws, Waterbury, Conn.
*See adv index at end of book*
l Co., steam fitters' supplies, St. Joseph, Mo.
l Door & Lbr. Co., Bristol, Tenn.
l & Gale Co., agricultural implements, 158 Carroll av, Chicago, Ill.
l Machine Tool Co., milling machy., surface grinders, etc., Bristol, Conn.
l Mfg. Co., coffins, etc., Bristol, Vt.
l-Myers Co., mfg. chemists, 281 Greene av, Brooklyn, N. Y.
l Naval Stores Co., Bristol, Fla.
l Patent Leather Co., 315 Arch, Philadelphia, Pa.
l & Plainville Tramway Co., machst., Bristol, Conn.
l & Sweet Harness Co., Fargo, N. D.
w, John., contractor, Narragansett, R. I.
h Aluminum Co., Ltd., metals, etc., 165 B'way, New York.
h-American Chemical Corp., 109 Beekman, New York
h-American Metal Co., Inc., brass & copper tubing, 52 Vanderbilt av, New York
h Xylonite Co., of N. Y., Inc. (imp. of Xylonite), 1133 B'way, New York.
Bros., turpentine, Bonifay, Fla.
J. A., & Son, flour mills, Clay Pool, Ky.
in, J. H., contractor, 345 Sherman av, Salt Lake City, Utah.
ngham & Hixon Lbr. Co., lbr., Madison, Wis.
n, Frank, architect, 120 B'way, New York
n Lumber Co., Lakewood, Fla.
n Pressed Brick Co., Ann Arbor, Mich.
n, W. D., Hardware Co., Ogdensburgh, N. Y.
Gauge Iron Wks., stable fix. & weather vanes, 77 Port, Boston, Mass.
, Jas., contractor, Spokane, Wash.
bent, J., & Son, absorbent cotton, Unionville, Conn.
head, Jos., saws, Manistee, Mich.
dus & Ives Lbr. Co., Newbern, N. C.
way Bedding Co., mattresses, Louisville, Ky.
way Coal & Feed Co., masons' & bldrs.' matls., 6431 Broadway, Cleveland, Ohio.
way Construction Co., 235 E. Washington, Los Angeles, Cal.
way Contracting Co., Inc., 4925 B'way, New York.
way Fdry. Co., 8001 Franklin, Cleveland, Ohio.
way Iron Fndry Co., Cambridge, Mass.
way Mfg. Co., sash, door & blind, Knoxville, Tenn.
way Mchy. Co., mill and facty supplies, 236 B'way, Lynn, O.
well, C. H., contrs., Milford, Conn.
well, Wm. M., masons' & bldrs.' matls., Bangor, Mich.
& Sage Co., refrigerating machy., 17 Alling, Newark, N. J.
n & Mincy, architects, Mason City, Ia.
Carriage & Wagon Co., auto. windshields, N. E. Cleveland, Ohio.
A. S., Rubber Co., 57 Broad, Boston, Mass.
Bros., cornices, Cambridge, Mass.
Bros., cornices & skylights, Melrose, Mass.
Bros., lbr., Clatskamie, Ore.
Sharp Machy. Co., dealers, Jacksonville, Fla.

Brock, V. A., flour mills, Sparta, Ky.
Brockett, C. A., Cement Co., masons & bldrs. matl's, 121 W. 8th, Kansas City, Mo.
Brockett, F. A., architect, Cutler Bldg., Rochester, N. Y.
Brockett-Gorham Co., spark plugs, Marion, Ohio.
Brockett, L. B., & Son, mill & facty. supplies, Battle Creek, Mich.
Brockett & Wood, architects, Powers Bldg., Rochester, N. Y.
Brockie Arthur H., architect, 1713 Samson, Phila., Pa.
Brockie, J. W., handles, New Berlin,
Brockie & Hastings, architects. See Brockie Arthur H. (successor)
Brocklehurst, H., contractor, 512 W. Norris, Philadelphia, Pa.
Brocklehurst & Potter Co., contractors, 1328 B'way, New York.
Brockman, J. R., Mfg. Co., htg. contrs., 617 N. 2d, St. Louis, Mo.
Brockman, Sam'l J., contractor, 444 Milwaukee, Milwaukee, Wis.
Brockton Die Co., Brockton, Mass.
Brockton Gas Light Co., gas retort carbons, Brockton, Mass.
Brockton Heel Co., boot & shoe counters, Brockton, Mass.
Brockton Last Co., wooden shoe lasts, Brockton, Mass.
Brockton Mallet Co., Brockton, Mass.
Brockton Mop Wringer Co., Brockton, Mass.
Brockton Webbing Co., Brockton, Mass.
Brockton Welting Co., Brockton, Mass.
Brockway, A. L., and Dwight R. Collin, architects, Third Bk. Bldg., Syracuse, N. Y.
Brockway Brick Co., Brockway, N. Y.
Brockway Bros. Co., brick, Dutchess Junction, N. Y.
Broadway & McNeil & Feets Co., architects, Warren, Pa.
Brockway Mach. Bottle Co., Brockwayville, Pa.
Brockway & Meckensturn Mach. Co., cotton machy., Moodus, Conn.
Brockway Motor Truck Co., auto. bldrs., Cortland, N. Y.
Brockway-Smith Corp., sash, door & blind mfrs., 98 Canal, Boston, Mass.
Brockway, W. N., carriages, Homer, N. Y.
Brode, F. W., & Co., cottonseed oils, Memphis, Tenn.
Brode Iron Works, 37 Hawthorne, San Francisco, Cal.
Brode, W. M., Co., contractors, New Comerstown, Ohio.
Broderick & Bascom Loggers' Supply Co., mill & facty. supplies, 623 Western av, Seattle, Wash.
Broderick & Bascom Rope Co., cordage & twine mfrs., 805 N. Main, St. Louis, Mo.
Broderick Co., boilers, Muncie, Ind.
Brodorick Co., advtg. novelties, 464 Robert, St. Paul, Minn.
Broderick, Edmund D., contractor, 110 W. 40th, New York.
Broderick, John H., contractor, 44 Bromfield, Boston, Mass.
Brodesser Elev. Co., Burleigh & Weil, Milwaukee, Wis.
Brodhead-Ganett Co., Clay City, Ky.
Brodie Elec'l & Auto. Co., Manchester, N. H.
Brodie, Harry C., contractor, Portage, Wis.
Brodie, T. L., architect, Jefferson Co. Bk. Bldg., Birmingham, Ala.
Brodie, Walter M., metallurgical engrs., 49 Cedar, New York.
Brodie, Wm., cornices & mill & facty. supplies, 307 Jackson av, L. I. City, N. Y.
Brodie, Wm. H., Co., elevator doors, 38 Park pl, New York.
Brodin Pattern & Supply Wks., stove pipe ventilators, etc., 2420 W. 16th, Chicago, Ill.
Brodix & Malone, stone producers, 112 W. Adams, Chicago, Ill.
Brodner, K., plate glass, New Haven, Conn.
Brodt, T. E., sash, door & blind mfrs., Bagley, Wis.
Brody & Lipman, contrs., New London, Conn.
Brody, S., bags & bagging, South & Clinton, New York.
Brody, William, & Co., dental instruments, 1911 Park av, New York.
Broeker, Chas., & Co., flour mills, Owensboro, Ky.
Broering & Meier, brick, Covington, Ky.
Brogan & Co., steam fitters' supplies, 810 Race, Phila., Pa.
Brogan, Edward, stone producers, 1215 Franklin, N. S., Pittsburgh, Pa.
Brogan, Jas. F., & Co., contractors, Commercial Trust Bldg., Philadelphia, Pa.
Brogon Mills, flannels, cotton, Anderson, S. C.
Brohard Co., machinists, Lehigh & 3d, Philadelphia, Pa.
Brohl & Appell, heating contractors, Sandusky, Ohio.
Brohm & Molitor, file & stove mfrs., 257 S. Pearl, Albany, N. Y.
Brokaw-Eden Mfg. Co. See Gillespie Eden Corp. (successor)
Brokensword Stone Co., crushed stone & lime, Bucyrus, Ohio.
Brokhaus, Geo. C., architect, 402 Washington, Hoboken, N. J.
Broline, Nolan & Co., contrs., 8 S. Dearborn, Chicago, Ill.
Brom, Martin, contractor, Winona, Minn.
Brombacher, A. F., & Co., whol. hdwe., 31 Fulton, New York.
Brombacher, J., machinist, Los Angeles, Cal.
Bromich, Joseph, boilers, Topeka, Kan.
Bromley, H. C., contractor, Seattle, Wash.
Bromley-Merseles Mfg. Co., machinists, 1328 B'way, New York
Bromm, Fred, machinist, 2564 S. Halsted, Chicago, Ill.
Bromund, E. A., Co., wax; ceresine imprts., 258 B'way, New York.
Bromwell Brush & Wire Goods Co., 612 W. 6th, Cincinnati, Ohio.
Bromwell Co., wire goods, 420 Main, Cincinnati, Ohio.
Bronson Bros., masons' & bldrs.' matls., Winsted, Conn.
Bronson, E. B., Co., machsts. & fndrs., Blue Island, Ill.
Bronson, Homer D., Co., brass hinges & metal novelties, Beacon Falls, Conn.

Bronson & Townsend Co., wholesale hdwe., New Haven, Conn.
Bronson-Walton Co., guy clamps, Cleveland, Ohio.
Bronson, Wm. & Hy., machsts. & fndrs., Roxbury, Conn.
Bronx Carbonate So., carbonic acid gas, 934 E. 165th, New York.
Bronx Cut Stone Co., 4177 3d av, New York.
Bronx Derrick & Tool Co., 143d & Southern Blvd., New York.
*See adv. index at end of book.*
Bronx Metal Wks., 1833 Washington av, New York
Bronx Sash & Door Co., E. Tremont av & 180th, New York.
Bronzbaswyt Metals Co., mill bearing & castings, First Nat'l Bank bldg, Pittsburgh, Pa.
Bronz-Bras-Wyt Metals Co., mill bearing & castings, 4901 Butler, Pittsburgh, Pa.
Bronze Age Metal Co., tuyeres & coolers, 5323 Butler, Pittsburgh, Pa.
Bronze Metal Co., machsts. & fndrs., 30 Church, New York.
Bronze Powder Wks. Co., Elizabeth, N. J.
Bronze Weather Strip Co., 134 Milk, Boston, Mass.
Brook, Abraham, architect, 350 Fulton, Brooklyn, N. Y.
Brook-Bolshaw Co., cross ties, Savannah, Ga.
Brook Building & Supply Co., Brook, Ind.
Brook, John, stone producer, 2169 E. 28th, Cleveland, Ohio.
Brook Novelty Co., ironing boards, corn poppers, Brook, Ind.
Brook Terra Cotta, Tile & Brick Co., Brook, Ind.
Brooke, E. & G., Iron Co., iron nails, Birdsboro, Pa.
Brooke, Fred'k H., architect, 1218 Conn av, Washington, D. C.
Brooke Lumber Co., Pataskala, Ohio.
Brooker, Robt., contractor, Lancaster, Wis.
Brookfield Glass Co., glass insulators, 2 Rector, New York.
Brookhaven Cotton Oil & Fertz. Co., Brookhaven, Miss.
Brookhaven Gravel Co., Brookhaven, Miss.
Brookhaven L'br. & Mfg. Co., Hattiesburg, Miss.
Brookhaven Pressed Brick & Mfg. Co., Brookhaven, Miss.
Brookings, John C., contr., Pekin, Ill.
Brookins Co., electric & gas light fixtures, 1747 Euclid av, Cleveland, Ohio.
Brookline Contracting Co., Brookline, Mass.
Brooklyn Alloys Co., antimony, 17 Walton, Brooklyn, N. Y.
Brooklyn Ash Can Mfg. Co., 2196 Fulton, Brooklyn, N. Y.
Brooklyn Brass Wks., machsts. & fndrs., 263 Scholes, Brooklyn, N. Y.
Brooklyn Brick Co., common, 506 Chamber of Comm., Indianapolis, Ind.
Brooklyn Cooperage Co., 142 Kent av, Brooklyn, N. Y.
Brooklyn Elec. Lamp & Nov. Co., 278 Fulton, Brooklyn, N. Y.
Brooklyn Elec. Supply Co., 56 Myrtle av, Brooklyn, N. Y.
Brooklyn Filter Bag Co., 643 Kent av, Brooklyn, N. Y.
Brooklyn Fire Brick Wks., 88 Van Dyke, Brooklyn, N. Y.
Brooklyn Fire-Proof Sash & Door Co., 101 Richardson, Brooklyn, N. Y.
Brooklyn F'ndry Co., Astoria, N. Y.
Brooklyn Galvanizing & Mfg. Co., tin plate, 120 Liberty, New York.
Brooklyn Lthr. Belting Co., 42 S. 6th, Brooklyn, N. Y.
Brooklyn Lbr. Co., 452 Hamilton av, Brooklyn, N. Y.
Brooklyn Metal Ceiling Co., 287 Greene av, Brooklyn, N. Y.
Brooklyn Navy Yard, fndrs., Brooklyn, N. Y.
Brooklyn Scratch Brush Co., steel wire brushes, 11 McKibben, B'klyn, N. Y.
Brooklyn Shield & Rubber Co., 397 Summer av, Brooklyn, N. Y.
Brooklyn St. F'ndry Co., North Adams, Mass.
Brooklyn Suit Case Mfg. Co., trav. bags, 76 Morgan av, Brooklyn, N. Y.
Brooklyn Tool Co., hoof parers, Brooklyn, Ind.
Brooklyn Varnish Mfg. Co., 35 Nostrand av, Brooklyn, N. Y.
Brooklyn Vault Light Co., 254 Monitor, Brooklyn, N. Y.
Brooklyn Vitrified Tile Wks., ceramic & vitreous, 92 Third, Brooklyn, N. Y.
Brookman Mfg. Co., lye, 664 N. Wells, Chicago, Ill.
Brooks & Bramhall, architects, Decatur, Ill.
Brooks Brick Co., Brewer, Me.
Brooks Bros., cornices & skylights, Columbus, Ind.
Brooks Bros., lbr., 1923 University av, St. Paul, Minn.
Brooks Burner Stove Co., Ardmore, Okla.
Brooks, Chas. A., contractor, Augusta, Me.
Brooks, Chas. J., machinist, New Haven, Conn.
Brooks, Clarence, & Co., varnish, hard oil finish, 249 Chestnut, Newark, N. J.
Brooks & Co., sash, door & blind mfrs., Poughkeepsie, N. Y.
Brooks Construction Co., Fort Wayne, Ind.
Brooks, E. J., & Co., railway supplies, mfrs., 227 Fulton, New York.
Brooks, E. S., masons' & bldrs.' matls., Westbrook, Me.
Brooks Furniture Mfg. Co., Rochester, N. Y.
Brooks, Geo. B., cotton waste, 303 Canal, Providence, R. I.
Brooks, Geo., & Son Co., auto. & furniture binding & gimps, 5428 Wyalusing, Philadelphia, Pa.
Brooks, Geo. W., architect, Perth Amboy, N. J.
Brooks, Hall L., ties, poles & posts, Tomahawk, Wis.
Brooks Hardware Co., Augusta, Me.
Brooks & Hunt, contrs., Greensboro, N. C.
Brooks, I., architect, 215 Montague, Brooklyn, N. Y.
Brooks, John, Co., knives, Brockton, Mass.
Brooks, M. S., & Sons, wire goods, hammers, hooks, etc., Chester, Conn.



Brooks Machine Co., Wichita, Kan.
Brooks Mfg. Co., jewelry cases, 221 High, Boston, Mass.
Brooks Mfg. Co., knocked-down boats, Saginaw, Mich., and lumber, Greensboro, N. C.
Brooks Mfg. Co., plumbing spec., 2946 W. Lake, Chicago, Ill.
Brooks, O. E., & Sons, contrs., 6711 Olstead av, Chicago, Ill.
Brooks Oil Co., C. & P. & Erie R. R., Cleveland, Ohio.
Brooks Packing Co., canned goods, Tillamook, Ore.
Brooks, Peter, & Son, contrs., 267 White, Hartford, Conn.
Brooks & Ross Lumber Co., 39 S. La Salle, Chicago, Ill.
Brooks-Scanlon Lbr. Co., 1120 Plymouth Bldg., Minneapoli Minn.
Brooks, T. C., & Sons Co., contractors, Jackson, Mich.
Brooks, T. H., & Co., fndrs., Cleveland, Ohio.
Brooks Tent & Awning Co., Denver, Colo.
Brooks Tomato Products Co., canners, Collinsville, Ill.
Brooks, W. F., architect, cor. Lewis & Gold, Hartford, Conn.
Brookside Brass Fdy. & Mfg. Co., self-closing cocks & bibb 2315 Selzer av, S. W., Cleveland, Ohio.
Brookside Mills, cotton duck & canvas, Knoxville, Tenn.
Brookside Paper Co., binders' boards, South Manchester, Conn.
Brooksville Woolen Mill, blankets, Brooksville, Me.
Brookville Bridge Co., Brookville, Ohio.
Brookville Glass & Tile Co., Brookville, Pa.
Brookville Mfg. Co., farm wagons, Brookville, Pa.
Broome & Sterbing Co., advtg. spec., Coshocton, Ohio.
Broomhall, E. F., architect, Alworth Bldg., Duluth, Minn.
Brooms, Brushes & Handles, trade publication, Milwaukee, Wi
Brophy Belting & Supply Co., Madison, Ind.
Brophy Bros., brick, Grassy Point, N. Y.
Brophy, Chas. A., button mfrs., Aurora, Ill.
Bros Wm., Boiler & Mfg. Co., Nic Island, Minneapolis, Min
Brosche & Kenlay, 20th Century Injector & Supply Co., Attic Ind.
Brose, Andrew, contractor, 42 E. 23d, New York.
Brose & Arnold, flour mills, Evansville, Ind.
Brosie, Louis O., architect, Highland Bldg., Pittsburgh, Pa.
Brosius, Edgar E., grab buckets, Benedum Bldg., Pittsburgh, I
Bross & Shearer, brick, Shippinsburg, Pa.
Brost Pattern Works, wood & metal, 5122 St. Clair av, Cle land, Ohio.
Brothers, James W., lumber, Battle Creek & Lacenter, Wash.
Brothers Valley Coal Co., bituminous, 90 West, New York
Brotherton, Wm., Jr., sash, door & blind mfrs., Peekskill, N.
Brotsch, F. V., Co., contractors, Rochester, N. Y.
Brott, H. R., contractor, Gloversville, N. Y.
Brougher, W. D., Net Co., fly nets, Wellsville, Pa.
Broughton, J. H., masons' & bldrs.' matls., Portsmouth, N. H.
Broughton, N. L., lbr., Pinewood, S. C.
Broughton & Wiggins Co., lbr., Portland, Ore.
Brounet, Arthur, decorative art tapestries, etc., 1133 B'w New York.
Broussard Casket & Mfg. Co., New Iberia, La.
Broussard Oil Mill, Broussard, La.
Brousseau, H. P., brick, Shodack Landing, N. Y.
Broverman, Morris & Son, bristles, 100 Maiden la, New York
Browarsky-Crum Mfg. Co., auto steering wheels, machts & fnc Bucyrus, Ohio
Brower & Best, common brick, Thompsonville, Conn.
Brower, John, heating contractors, 352 W. 13th, New York.
Brower, Roy L., Corp., wholesale hdwe., 86 Front, New Yor
Brown, A. B., Co., weather strips, 405 Lexington av, New Yo
Brown, A. C., & Sons, contractors, Tottenville, N. Y.
Brown, A. & F., Co., machsts. & fndrs., 79 Barclay, New York
Brown, A. R., bolts, nuts & rivets, Erwin, Tenn.
Brown, A. Ten Eyck, architect, Realty Tr. Bldg., Atlanta,
Brown, A. V., architect, 8 S. Dearborn, Chicago, Ill.
Brown, Albert, common brick, Saranac, Mich.
Brown, Alfred, contr., South Norwalk, Conn.
Brown, Archibald N., architect, 140 E. 39th, New York
Brown, Arthur G., architect, 109 N. Dearborn, Chicago, Ill
Brown, Arthur, contractor, South Vineland, N. J.
Brown, Arthur S., Mfg. Co., belting, solid cotton, Tilton, N.
Brown, Asahel C., & Son, flour mills, Waltersburg, Pa.
Brown, B. F., contractor, 5992 Centre av, Pittsburgh, Pa.
Brown, B. F., & Co., polishes & shoe blacking, 137 Fulton, I ton, Mass.
Brown Bache H., architect, 70 E. 45th, New York
Brown Bag Filling Machine Co. (The), mfrs., Fitchburg, M
Brown & Bailey Co., folding paper boxes, 410 Franklin, Ph delphia, Pa.
Brown Bed Mfg. Co., Kansas City, Mo.
Brown, Bedford, architect, 806 17th, N. W., Washington, D.
Brown Beer Pump Co., 11 Chardon, Boston, Mass.
Brown, Benson, contractor, Faribault, Minn.
Brown, Blodgett & Sperry Co., architects' instruments, U versity & Wheeler, St. Paul, Minn.
Brown Brick Co., Dallas, Tex.
Brown Bros., castings, plating works, etc., Stamford, Con
*See adv index at end of book*
Brown Bros., contractors, Kansas City, Kan.
Brown Bros., meat packers, 534 W. Ray, Indianapolis, Ind.
Brown Bros., tubular boilers, Spokane, Wash.
Brown Bros. & Carnahan, lbr., Louisville, Ky.
Brown Bros. Co., mill & facty. supplies, 62 Exchange pl, Pr dence, R. I.

wn Bros. Co., lumber mfrs., Gainesville, Fla.
wn Bros. Co., machsts. & fndrs., Gloucester, Mass.
wn Bros. Fdry. & Mach. Co., Eldora, Ia.
wn Bros. Lumber Co., Eskota, N. C., Rhinelander, Wis.
wn & Brown Coal Co., masons' & bldrs.' matls., 269 Grand River, Detroit, Mich.
wn Buggy Co., Waterloo, Ia.
wn, C., lumber, Midland, Mich.
wn, C. A., flour mills, Falls, Pa.
wn, C. G., Furn. Co., music cabinets, card tables, Syracuse, N. Y.
wn, C. O., & Bro., masons' & bldrs.' matls., Columbia, S. C.
wn-Camp Hardware Co., Des Moines, Ia.
wn Car Wheel Wks., fndrs., 466 Howard, Buffalo, N. Y.
wn Carriage Co., 1630 Gest, Cincinnati, Ohio.
wn, Carroll & Co., granite, Barre, Vt.
wn, Chas. D., masons' & bldrs.' matls., Emaus, Pa.
wn, Chas. H., Paint Co., 262 Fulton, Brooklyn, N. Y.
wn, Chas. R., contractor, sand & gravel dlrs., Syracuse, N. Y.
wn, Chris. F., contractor, Dorchester, Boston, Mass.
wn City Mfg. Co., mchsts. & fdrs., Brown City, Mich.
wn, Clarence J., architect, Security Bk. Bldg., Minneapolis, Minn.
wn, Clinton C., plate glass, Syracuse, N. Y.
wn Clutch Co., Sandusky, Ohio.
wn & Co., iron bar mills, 10th & Duquesne way, Pittsburgh, Pa.
wn Co., paper, sulphite, lbr. & bldg. mtls., Portland, Me.
wn Co., spark plugs, shacks bolts, Syracuse, N. Y.
wn Corp., turpentine, Portland, Me.
wn Cotton Gin Co., New London, Conn.
wn, D. F., architect, Northmont, Reading, Pa.
wn, D. P., & Co., mill & facty. supplies, 262 N 4th. Phila., Pa.
wn, D. V., optical goods, 738 Sansom, Philadelphia, Pa.
wn Dry Dock Co., ft. Morris, Jersey City, N. J.
wn, E. B., architect, Stockton, Cal.
wn, E. C., Co., spray pumps, etc., Rochester, N. Y.
wn, E., & Co., cornices & skylights, 114 E. 9th, Los Angeles, Cal.
wn, E. E., & Co., fndrs., McKean & Meadow, Philadelphia, Pa.
wn, E. G., flour mills, Lascassas, Tenn.
wn, E. H., Mfg. Co., ravelers & collar & cuff ldry. machy., Troy, N. Y.
wn, E. M., Paper Co., Rock City Falls, N. Y.
wn, E. W., Co., canned goods, South Portland, Me.
wn, Ed. B., contractor, Verona, N. J.
wn, Edmund K., landscape architect, 13 Park row, New York.
wn, Edwin H., architect, Am. Red Cross, Camp Cody, Deming, N. Mex.
wn, Elliot C., Co., contractors, 70 E. 45th, New York.
wn, Elliott L., architect, 506 B'way, Yonkers, N. Y.
wn Engine & Mach. Co., Fitchburg, Mass.
wn Engineering Co., engineers & mfrs., 110 N. 3d, Reading, Pa. *See adv index at end of book.*
wn, F. A., architect, 756 S. B'way, Los Angeles, Cal.
wn, F. B., lbr., Hampton, N. H.
wn, F. G., aniline colors, 112 N. Delaware av, Phila., Pa.
wn, F. H., Packing Co., steam, 623 Cherry, Philadelphia, Pa.
wn, F. P., elec. light fix. mfrs., 45 N. 6th. Philadelphia, Pa.
wn, F. S. & G. L., Machine Co., machy, mfrs., 20 E. Fort av Baltimore, Md.
wn Fig Co., canned goods, Beaumont, Tex.
wn Folding Mach. Co., Erie, Pa.
wn, Frank C., architect, 9 Mt. Vernon sq., Boston, Mass.
wn, Frank E., architect, 47 Orange, New Haven, Conn.
wn, Frank Horton, architect, White Plains, N. Y.
wn, Frank J., contr., Hanford, Cal.
wn, Fred'k. L., archt., Real Estate Exch. Bldg., Scranton, Pa.
wn, G. H., & Bro., carriages, Kinderhook, N. Y.
wn, G. S., architect & contr., Lafayette, Ind.
wn, George, architect, Dover, N. H.
wn, Geo., & Co., stone, 286 5th av, New York.
wn, Geo. C., & Co., lumber, Memphis, Tenn.
wn, Geo. W., contr., West Palm Beach, Fla.
wn, Geo. L., & Son, contrs., Rialto Bldg., Kansas City, Mo.
wn, Glenn, architect, 806 17th. N. W., Washington, D. C.
wn, Gordon, lead pencils, 90 W. B'way, New York.
wn, Grant, lbr. mfrs., Carlisle, N. Y.
wn & Gregory, lbr., Sidon, Miss.
wn Guano Co., Albany, Ga.
wn & Hackney, Inc., lbr., Little Rock, Ark.
wn, H. C., contractor, Duluth, Minn.
wn, H. B., Co., machsts. & fndrs., East Hampton, Conn.
wn, H. D., & Co., masons' & bldrs.' matls., Aurora, Ill.
wn, H. L., Fence & Mfg. Co., Oakley, Cincinnati, Ohio.
wn Hardware Co., Punxsutawney, Pa.
wn, Harold P., elec. ry. supplies, pump tools, etc., 120 Liberty, New York.
wn, Harry H., contractor, 212 Clay, Baltimore, Md.
wn Hdwe. Co., tools, cutlery & bldrs.' supplies, Asheville, N. C.
wn Heating Co., 5972 Easton av, St. Louis, Mo.
wn & Hedge, masons' & bldrs.' matls., Holton, Kans.
wn, Henry, mchsts. & fdrs., Chippewa Falls, Wis.
wn, Henry A., architect, Beverly, N. J.
Brown, Henry J., & Son, contrs., 1534 Fulton, Brooklyn, N. Y.
Brown, Henry L., contractor, 27th & Clearfield, Phila., Pa.
Brown Hoisting Machinery Co., 4403 St. Clair, N. E., Cleveland, Ohio.
Brown, Howard Curtis (Estate), paper & pulp mill, East Hampton, Conn.
Brown-Hunkele Corp., machy. dlrs., Newark, N. J.
Brown & Hutchinson, shoe patterns, Haverhill, Mass.
Brown, I. N., contractor, Peters Bldg., Atlanta, Ga.
Brown Instrument Co., pyrometers, thermometers & recording instruments, Wayne & Windrim, Philadelphia, Pa.
Brown, J. C., Inc., acetyl salicylic acid, 15 Park Row, New York.
Brown, J. E., masons' & bldrs.' matls., Benton Station, Me.
Brown, J. Edgar, machsts., Chestnut Level, Pa.
Brown, J. F., brick, Hanford, Cal.
Brown, J. H., Co., contractors, Atlanta, Ga.
Brown, J. K. & Co., scaffold bldrs., 181 3d av, Brooklyn, N. Y.
Brown, J. O., contractor, Fort Wayne, Ind.
Brown, Jas. H., mill & facty. supplies, 139 3d av., B'klyn, N. Y.
Brown, Jas H., Co., contractors, 511 S. 3d, Minneapolis, Minn.
Brown, Jas., Jr., & Sons, textile machy. supplies, etc., Ring & Main, Philadelphia, Pa.
Brown, Jas. W., contractor, Wakefield, R. I.
Brown, John G., contractor, Witherspoon Bldg., Phila., Pa.
Brown, John I., mchsts. & fndrs., Roaring Spring, Pa.
Brown, John & Son, granite, Barre, Vt.
Brown, John W., Mfg. Co., automobile lamps, Columbus, Ohio.
Brown, Jos., faucets, New Orleans, La.
Brown, Jos. E., Co., cornices, 1003 Race, Philadelphia, Pa.
Brown-King Constr. Co., Commercial Trust Bldg., Phila., Pa.
Brown Knitting Co., bathing suits & sweaters, Warsaw, N. Y.
Brown-Kunze Co., lumber, Arlington, Wash.
Brown, L. K., machsts., Asotin, Wash.
Brown, L. L., Paper Co., Adams, Mass.
Brown Laboratories, chemists, Nashville, Tenn.
Brown Land & Lbr Co., Parrish, Wis.
Brown, Lewis A., Co., baskets, brooms & brushes, Boston, Mass.
Brown-Lipe-Chapin Co., automobile gears, Syracuse, N. Y.
Brown-Lipe Gear Co., auto. gears, Syracuse, N. Y.
Brown, Louis L., Co., Inc., ship builders, 30 Church, New York.
Brown & Lowe Co., contractors, Schenectady, N. Y.
Brown Lbr. Co., Cottage Grove, Ore., & West Union, S. C.
Brown Lbr. Co., Shamrock, La.
Brown Mach. & Engine Co., gas engines, Lansing, Mich.
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Brown Mfg. Co., agricultural implements, Zanesville, Ohio.
Brown Mfg. Co., cotton flannel, Concord, N. C.
Brown, Martin B., Printing & Binding Co., R. R. stationery, 39 Chambers, New York.
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Brown Mining Co., iron ores, Cardiff, Tenn.
Brown, Moses W., & Co., pianos, Hampton, N. H.
Brown, O. W., machsts., Abilene, Kans.
Brown, Old., W. E., Co., distillers, Covington, Ky.
Brown, P. J., Constr. Co., Rockefeller Bldg., Cleveland, Ohio.
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Brown Paper Co., Fort Madison, Ia.
Brown Paper Co., Ithaca, N. Y.
Brown Paper Co., 1220 Spruce, St. Louis, Mo.
Brown & Patterson, mchsts. & fndrs., 33 Marcy av, B'klyn, N. Y.
Brown, Peter, agricultural implements, Greeley, Colo.
Brown Pollard Construction Co., Niagara Falls, N. Y.
Brown & Poole, architects, Chapman bldg., New Bedford, Mass.
Brown Portable Conveying Machy. Co., 10 S. La Salle, Chicago, Ill.
Brown & Preston, architects, Empire bldg., Detroit, Mich.
Brown, R. A., & Co., contractors, Washington, Ind.
Brown, R. G., & Co., archs., Grand Theatre Bldg., Columbus, O.
Brown, R. H., & Co., machsts., New Haven, Conn.
Brown, R. L., cornices, 2023 Pearl, cov. Cincinnati, Ohio, & Covington, Ky.
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Brown, Robt., contractor, 115 N. 10th, Seattle, Wash.
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Brown-Rogers Co., wholesale hdwe., Winston-Salem, N. C.
Brown, Rufus H., Inc., contractor, 350 Fulton, Brooklyn, N. Y.
Brown, S., & Co., cornices & skylights, 114 E. 9th, Los Angeles, Cal.
Brown, S. E., & Co., heating contrs., Seattle, Wash.
Brown, S. N., & Co., bows, shafts, etc., Dayton, Ohio.
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Brown & Sharpe Mfg. Co., mechanics' & metal working tools, mfrs., Providence, R. I.
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Brown Spring Oiler Co., 6911 Carnegie av, S. E., Cleveland, O.
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Brown Stave Co. (Ltd), cooperage stock, Monroe, La.
Brown Stone Store Co., Waltonville, Pa.

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Brown, T. W., & Bro., mchsts. & fdrs., Chattanooga, Tenn.
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Brown Trafilog Co., traffic time recorders, 6911 Carnegie av, S. E., Cleveland, Ohio.
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Brown & Von Beren, architects, 185 Church, New Haven, Conn.
Brown, W. A., & Co., cornices & skylights, Decatur, Ala.
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Brown, W. N., architect, Marints Ferry, Ohio.
Brown-Wales Co., jobbers, iron & steel bars, sheets & shapes, steam fitters, plumbing supplies, & whol. hdwe., 489 C, Boston, Mass.
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Brown, Ward, architect, 1725 H, N. W., Washington, D. C.
Brown & Whiteside, architects, Du Pont Bldg., Wilmington, Del.
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Browne, M. C., glue, Holyoke, Mass.
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Brownell Co., cordage & twine mfrs., Moodus, Conn.
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Brownell Improvement Co., lime, stone, Cham. of Com. Bldg., Chicago, Ill.
Brownell Machy Co., 11 Eddy, Providence, R. I.
Brownell-Mason Co., htg. contrs., Fitchburg, Mass.
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Brownsville Cotton Oil & Ice Co., cottonseed meal, Brownsville, Tenn.
Brownsville Woolen Mills Co., Brownsville, Ore.
Brownville Board Co., Brownville, N. Y.
Brownville Paper Co., Brownville, N. Y.
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Brubaker & Stern, architects, Aetna Bldg., Indianapolis, Ind.
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Bruce Lumber & Mill Co., Berkeley, Cal.
Bruce-Macbeth Engine Co., Cleveland, Ohio.



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Bruce, Thos. P., fndrs., Los Angeles, Cal.
Bruce, Wm., architect, Busch Hotel, Seattle, Wash.
Bruceton Milling Co., flour, Bruceton Mills, W. Va.
Bruchhauser Bros., flour mills, Anna, Ill.
Bruchhauser, Henry & Son, contractors, 130 Ellery, B'klyn, N.
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Brucker, Michael, mchsts. & fndrs., 820 N. Lincoln, Chicago,
Bruckman Lumber Co., Allegheny, Pa.
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Bruen & Morris, masons' & bldrs.' matls., Madison, N. J.
Bruer Bros. & Co., sashes, doors & blinds, 2836 Lyndale av, Minneapolis, Minn.
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Brugler, J. H., architect, Danville, Pa.
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Bruml, Hy., Co., advtg. novelties, 110 Liberty, New York.
Brun, C. B., architect, 228 W. 34th, New York
Brundage, Avery, contractors, 110 S. Dearborn, Chicago, Ill.
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Brunell & Despard, heating contrs., Worcester, Mass.
Brunelle, Arsene, contractors, Manchester, N. H.
Brunen, Wm. B., cornices, 651 Pike Cov., Cincinnati, Ohio.
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Bruner, Owen M., Co., lbr., Colonial Trust bldg., Phila., Pa.
Bruner, P. M., Granitoid Co., Frisco Bldg., St. Louis, Mo.
Brunett, Frank O., asbestos pipe coverings, 396 Smith, Brolyn, N. Y.
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Brunhoff Mfg. Co., cigar lighters, 9th & Freeman av, Cincinn Ohio.
Brunig, Robt., machsts., 523 Brannan, San Francisco, Cal.
Brunk Machine & Forging Co., Lorain, Ohio.
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Brunn & Co., wood & metal auto. bodies & auto. & carriage se 988 Ellicott, Buffalo, N. Y.
Brunnckow, C. G., Co., cornices, 223 Globe, Providence, R. I.
Brunner, Arnold W., architect, 101 Park av, New York.
Brunner Chemical Wks., soldering flux, etc., 17 E. 3d, Cinc nati, Ohio.
Brunner, F., & Son, billiard & pool tables, 671 Communip av, Jersey City, N. J.
Brunner Machy. Co., 508 Brunner, Peru, Ill.
Brunner, H. J., Hdwe. & Mach. Supply Co., 1306 Grand, K sas City, Mo.
Brunner & Lay, stone cutters' tools, 570 W. Polk, Chicago, I
Brunner Mfg. Co., air compressors, Utica, N. Y.
Brunn's Carriage Mfg. Co., 1140 Main, Buffalo, N. Y.
Bruno, C., & Son, musical instruments, 351 4th av, New Yor
Bruno & Petitti, contractors, 18 Tremont, Boston, Mass.
Bruns, Benedict J., architect, 3952 N. Robey, Chicago, Ill.
Bruns, H. H., architect, 845½ 26th, Milwaukee, Wis.
Bruns, J. H., Fdry., Watertown, S. D.
Bruns, Kimball & Co., marine engines dlrs., 155 W. 15th, York.
Brunswick-Balke-Collender Co., billiard tables & balls, 29 W. New York.
Brunswick-Balke-Collender Co., store fixtures, 629 S. Wabash Chicago, Ill.
Brunswick Brick & Tile Co., Brunswick, Mo.
Brunswick Furniture Co., Brunswick, Md.
Brunswick Mfg. Co., machsts., Brunswick, Me.
Brunswick Marine Const. Corp., ship bldrs., 63 Wall, New Y
Brunswick Refrigerating Co., pipe bends, tanks, valves, etc., Brunswick, N. J.
Brunswick Shipbuilding Co., Brunswick, Ga.
Brunt Tile & Porcelain Co., Columbus, O.
Brunt, Walt. N., badges, etc., 880 Mission, San Francisco,
Brunton, M. J., Jr., cornices, Springfield, Mass.
Brusa Bros., granite, Barre, Vt.
Bruser, W. H., cornices & skylights, Vicksburg, Miss.
Brush Creek Coal Mining Co., bituminous, Punxsutawney, P
Brush & Engel Bldg Co., contractors, 218 Shiloh, Pittsburgh,
Brush, G. W., contractor, Northport, N. Y.
Brush, Jos., masons' & bldrs.' matls., Greenwich, Conn.
Brushlite Co., elec. lgt. plant, 255 Greenwich, New York.
Brush-McCoy Pottery Co., Zanesville, O.
Brush Mop Co., 1133 B'way, New York.
Brusher, J. B., handles, tex. machy. supplies, Norristown, I
Brust & Phillipp, architects, Free Press Bldg., Milwaukee.
Brust, W. G., architect, 727 New York Block, Seattle, Wash
Bruston Automatic Electric Lighting & Power Co., 101 Park New York.
Bruty, John W., contractor, 209 Washington, Boston, Mass.
Bryan, A. J., architect, Chico, Cal.
Bryan & Bippus, tubular boilers, Wheeling, W. Va.
Bryan Brick Co., Bryan, Ohio.
Bryan & Co., contractors, Jacksonville, Fla.
Bryan Coal Co., masons' & bldrs.' matls., Galion, Ohio.
Bryan Co., signs, 2120 E. 19th, Cleveland, Ohio.
Bryan Cotton Oil Co., fertilizer mfrs., Bryan, Texas.
Bryan Cotton Oil & Fertz. Co., meal, Bryan, Tex.
Bryan, Frank, contractor, McKees Rocks, Pa.
Bryan, H. E., cornices & skylights, Cadiz, Ohio.

n, H. F., architect, 1802 W. 50th, Los Angeles, Cal.
n Hardware Co. (wholesale), Bryan, O., & Westfield, Mass.
n, Jas. M., paint mfrs., Wilmington, Del.
n-Marsh, Division, National Lamp Works of G. E. Co., 623 S. Wabash av., Chicago, Ill.
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n, N. C., turpentine, Monticello, Fla.
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n Plow Co., Bryan, Ohio.
n Show Case Co., Bryan, Ohio.
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nt, J. R., architect, Sweetwater, Tex.
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nt Mfg. Co., wood handles, Springfield, Ohio.
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nt Paper Co., surface coated paper, Kalamazoo, Mich.
nt Supply Co., masons' & bldrs.' matls., Kansas City, Mo.
nt & Trott Co., cornices & skylights, Santa Maria, Cal.
nt, W. A., & Sons Co., masons' & bldrs.' matls., Waterloo, Ia.
nt Zinc Co., 600 Orleans, Chicago, Ill.
nt's, John, Sons, carriages, 15 Austin, Boston, Mass.
e Bros. Co., glass tumblers, Mount Pleasant, Pa.
e Bldg. Co., Fort Worth, Tex.
e Heating & Ventilating Co., Toledo, Ohio.
eland Lumber Co., Ltd., Bryceland, La.
len Works, The, horse shoes, Catassauqua, Pa.
lges, E. M., architect, 64 E. Van Buren, Chicago, Ill.
ison Bros., contrs., Austin, Tex.
er, A. E., Contracting Co., 461 Western av, Lynn, Mass.
gon Steel Casting Co., connecting rods, New Castle, Del.
le, A. W., & Sons, contrs., Hartford, Conn.
le, W. A., contr., West Medford, Mass.
son City Pump Works Co., Bryson City, N. C.
son, D. A., lumber, Montpelier, Ind.
son, Geo. M., architect, Boston Bldg., Salt Lake City, Utah.
son, Thos. B., contractor, 52 Vanderbilt av, New York.
& S. Engraving & Die Wks., steel stamps, etc., 625 W. Jackson blvd., Chicago, Ill.
eck & Guerin, poker sets, humiditors, etc., 161 W. 18th, New York.
h Bros., lbr., Reading, Pa.
h Fdry. Equipment Co., molding machs., Bridgeport, Pa.
han & Co., contractors, Peoples Bk. Bldg., Pittsburgh, Pa.
han, P. F., turpentine, Manley, N. C.
han Soap Co., 988 Hume av, N. W., Cleveland, Ohio.
hanan, A., Jr., soil pipe connections, 490 Sumner av, Brooklyn, N. Y.
hanan & Bolt Wire Co., Holyoke, Mass.
hanan & Brockway, architects, Pasadena, Cal.
hanan & Burns Co., manicure files, 45 Austin, Newark, N. J.
hanan, C. G., Chem. Co., case hardening compounds, zinc salts, etc., 4650 Buker av, Cincinnati, Ohio
hanan, C. G., Co., stone crushing machy., magnetic separators, etc., 90 West, New York.
hanan Cabinet Co., Buchanan, Mich.
hanan Elec. Steel Co., steel truck wheels, 80 E. Jackson blvd, Chicago, Ill.
hanan Fndry. Co., Lebanon, Pa.
hanan, Geo. J. Co., cornices & skylights, 87 Commercial Wharf, Boston, Mass.
hanan, J. F., & Co., outlet bushings, 1719 Chestnut, Philadelphia, Pa.
hanan, Jos. W., carriages, 801 E. Market, Indianapolis, Ind.
hanan Lbr. Co., Olympia, Wash.
hannon River Coal Co., Uniontown, Pa.
hanan, S. G., carriages, Mays Lick, Ky.
hanan, Thos., Co., abrasives, case hardening compounds, etc., 29 W. 3d, Cincinnati, Ohio
hanan, Washington T., Crawfordsville, Ind.
hanan, Wm., cornices, 488 Sumner av, Brooklyn, N. Y.
hanan, Wm., lumber, Texarkana, Tex.
hanan, Wm. D., contractor, Cohoes, N. Y.
hanan & Smock Lumber Co., Asbury Park, N. J.
hel Mach. Wks., regulators, New Orleans, La.
her, E. Packing Co., meat packers, Cairo, Ill.

Bucher & Gibbs Plow Co., Canton, O.
Bucher & Smith Co., key seaters, power hack saws & arbor presses, East Liverpool, Ohio.
Bucher, Wm. M., & Son, sash, door & blind, Harrisonburg, Va.
Buchheimer, Geo. H., sporting & athletic goods mfrs., 1004 Rutland av., Balto., Md.
Buchinger, Theobold, architect, 8320 Reuton, Seattle, Wash.
Buchholtz, C., Co., machsts., Hoboken, N. J.
Buchleins', Hy., Sons, stencils, 27 Green, Newark, N. J.
Buchman & Kohn, architect, 56 W. 45th, New York
Buch's, A., Sons Co., agricultural implements, Elizabethtown, Pa.
Buchtenkirk, Geo. C., architect, 1265 B'way, New York
Buchwald, Chas. A., Lumber Co., Marshalltown, Ia.
Buck Bros., mchsts. & fdrs., edge tools, Millbury, Mass.
Buck, C. H. & Co., signs—brass, electric, glass, etc., 411 Dorchester av, Boston, Mass.
Buck, Chas., architect, 10 E. 45th, New York
Buck, Clyde D., & Co., wood handles, Kokomo, Ind.
Buck Creek Cotton Mills, Siluria, Ala.
Buck, E. A., & Co., mill & facty. supplies, & wholesale hdwe., Palmer, & Worcester, Mass.
Buck & Gallagher, stone producers, 25th & Morris, Phila., Pa.
Buck Glass Co., glass bottles, Fort av & Lawrence, Balto., Md.
Buck, H. E., Brick Mfg. Co., Lake Charles, La.
Buck, J. F., turpentine, Apalachicola, Fla.
Buck, J. M., & Co., handles—wood, Bluffton, Ind.
Buck, Lawrence, architect & archl. water colorist, 64 E. Vanburen, Chicago, Ill.
Buck, Levin T., & Co., common brick, Weems, Va.
Buck & Mullen, contractors, Muskegon, Mich.
Buck, Niels, architects & contrs., 105 S. La Salle, Chicago, Ill.
Buck, Peter E., & Sons, wholesale hdwe, masons' & bldrs.' & mill & facty. supplies., Ashland, Pa.
Buck, R. B., brick, Morris, Ill.
Buck, T., & E. R., lumber, West Sterling, Mass.
Buck, T. S., Mfg. Co., rubber stamps, 535 B'way, New York.
Buck & Toole Milling Co., flour, Bloomfield, Mo.
Buck, Werden, masons' & bldrs.' matls., Joliet, Ill.
Buckbee, J. C., Co., complete stone crushing plants, etc., 38 S. Dearborn, Chicago, Ill.
Buckelew Hardware Co., Shreveport, La.
Buckeye Aluminum Co., Wooster, Ohio.
Buckeye Baler Co., presses, Findlay, Ohio.
Buckeye Bedding Co., mattresses, Dayton, Ohio.
Buckeye Belting & Supply Co., 1560 W. 3d. Cleveland, O.
Buckeye Blower Co., dust collecting systems, 425 W. Town, Columbus, Ohio
Buckeye Boiler Co., tanks (all kinds), etc., Dayton, Ohio.
Buckeye Boiler Skimmer Co., Toledo, Ohio.
Buckeye Brass & Mfg. Co., hand vacuum cleaners, 6410 Hawthorne, Cleveland, Ohio.
Buckeye Builders' Supply Co., Toledo, Ohio.
Buckeye Canning Co., Continental, Ohio.
Buckeye Chemical Co., boiler compounds, 1121 Chamber of Commerce, Detroit, Mich., & Akron, Ohio.
Buckeye Churn Co., elec. washing machy., Sidney, Ohio
Buckeye Clay Pot Co., Toledo, Ohio.
Buckeye Cotton Oil Co., Gwenne Bldg., Cincinnati, Ohio.
Buckeye Cream Separators Co., Oberlin, Ohio.
Buckeye Dredging Co., sand dlrs., Kimball & Mitchell, Columbus, Ohio.
Buckeye Drill & Lathe Co., Marion rd., Columbus, Ohio
Buckeye Elec. Wks. of G. E. Co., lamps, 1806 E. 45th, Cleveland, Ohio.
Buckeye Engine Co., Salem, Ohio.
Buckeye Engine & Fdry. Co., Joliet, Ill.
Buckeye Fireclay Co., Urichsville, Ohio.
Buckeye Foundry Co., Queen City av & Buck, Cincinnati, Ohio.
Buckeye Furnace Co., heating, 1635 E. 55th, Cleveland, Ohio.
Buckeye Handle, Gear & Bending Co., Alliance, Ohio.
Buckeye Hdwe. Co., mill & facty. supps., Findlay, O.
Buckeye Incubator Co., Springfield, Ohio.
Buckeye Ink Co., 141 E. 4th, Cincinnati, Ohio.
Buckeye Iron & Brass Works, oil mill machy., etc., Dayton, Ohio.
Buckeye Jack Mfg. Co., Alliance, Ohio.
Buckeye Lumber Co., Seattle, Wash.
Buckeye Mach. Co., Lima, Ohio.
Buckeye Mfg. Co., automobile bldrs. & machsts, Anderson, Ind.
Buckeye Mfg. & Fdry Co., gauges, butt, 2046 W. 55th, Cleveland, Ohio.
Buckeye Mfg. & Fdry Co., Overpeck, O.
Buckeye Marble Co., Hamilton, Ohio.
Buckeye Mill & Lumber Co., Jackson, Ohio.
Buckeye Paint & Varnish Co., Toledo, Ohio.
Buckeye Paste Co., 270 S. Wall, Columbus, Ohio.
Buckeye Planing Mill Co., Baltimore, Ohio.
**BUCKEYE PRODUCTS CO. (THE)**, fndry. supplies & core & parting compounds, 919-929 W. 5th, Cincinnati, Ohio.
*See adv index at end of book*
Buckeye Pump & Mfg. Co., mchsts. & fndrs., Columbus, Ohio.
Buckeye Ribbon & Carbon Co., Cleveland, Ohio.
Buckeye Rolling Mill Co., Newark & Steubenville, Ohio.
Buckeye Salt Co. See Pomeroy Chem. Co. (successors)
Buckeye Saw Mfg. Co., Columbus, Ohio.
Buckeye Sewer Pipe Co., Akron, Ohio.
Buckeye Stave Co., lumber, Leipsic, Ohio.

Buckeye Stamping Co., boxes, Columbus, Ohio.
Buckeye Steel Castings Co., Columbus, Ohio.
Buckeye Steel Furnace Co., Dayton, Ohio.
Buckeye Stoneware Co., potteries, Buckeye Cottage, Ohio.
Buckeye Supply Co., scrap iron & steel, Marietta, Ohio.
Buckeye Tempered Copper & Brass Co., Mansfield, Ohio.
Buckeye Tent & Awning Mfg. Co., 264 Spruce, Columbus, Ohio.
Buckeye Tool & Machine Co., drilling machines, New Philadelphia, Ohio.
Buckeye Traction Ditcher Co., trench excavating machy., Findlay, Ohio.
Buckeye Twist Drill Co., drills, reamers & special tools, Alliance, Ohio.
Buckeye Window Glass Co., Bonham av, Columbus, Ohio.
Buckeye Wrecking & Salvage Co., second hand bldg. materials, 959 W. 7th, Cincinnati, Ohio.
Buckeystown Packing Co., Buckeystown, Md.
Buckham, C. W., architect, 311 5th av, New York
Buckhannon Chemical Co., wood alcohol, Olean, N. Y.
Buckhannon Woolen Mills, flannels, Buckhannon, W. Va.
Buckle Printers' Ink Co., 714 S. Clark, Chicago, Ill.
Buckingham, C. W., architect, Jacksonville, Ill.
Buckingham, Geo. W., contractor, Grand Forks, N. D.
Buckingham & Hair, masons' & bldrs.' matls., Milford, Ohio.
Buckingham, N., & Co., coffins, caskets, etc., Bridgeport, Conn.
Buckingham, Rae, Co., garment hangers, 208 S. La Salle, Chicago, Ill.
Buckingham-Routh Co., hot water radiators, New Haven, Conn.
Buckingham, W. H., linemen's climbers, Binghamton, N. Y.
Buckingham, W. J., & Son, handles—wood, Mathiston, Miss.
Buckler, Riggin, architect, 11 E. Pleasant, Baltimore, Md.
Buckley, A. H., architect, Gloyd Bldg., Kansas City, Mo.
Buckley, Dement & Co., addressing & mailing, 632 Sherman, Chicago, Ill.
Buckley & Douglas Lumber Co., Manistee, Mich.
Buckley, Ellwood, contractor, Atlantic City, N. J.
Buckley, Fred, cornices & skylights, Wichita, Kans.
Buckley, J., Co., meat packers, Chester, Pa.
Buckley, J. M., & C. J., Co., contractors, 164 Federal, Boston, & 128 Vernon, Worcester, Mass.
Buckley, J. N., brass & composition fndrs., Dalton, Mass.
Buckley, Jas. J., hod elevators, 303 5th av, New York.
Buckley, Jeremiah, contractor, 2233 Creston av, New York.
Buckley, John, Hub, Spoke & Wheel Co., 969 N. 2d, Phila., Pa.
Buckley, M. D., granite producers, New London, Conn.
Buckley, Roland C., archt., Plymouth Bldg., Minneapolis, Minn.
Buckley, Thos. J., Constr. Co., 303 5th av., New York.
Buckley, Walter F., fndrs., 627 Filbert, Philadelphia, Pa.
Buckley, W., Rubber Co., 69 Warren, New York.
Buckley, Washington, Inc., contractor, 94 Emerson, B'klyn, N. Y.
Buckley's, B., machsts., Paterson, N. J.
Bucklin, C. R., Belting Co., Pawtucket, R. I.
Buckman & Kean Co., patent leather, Woburn, Mass.
Bucknall, Scholtz & Co., corkwood imptrs., 193 Water, New York.
Bucknell Univ. Dept. of C. E., engng. school & coll., Lewisburg, Pa.
Buckner Bros. Lbr. Co., 332 S. Michigan av, Chicago, Ill.
Buck's Stove & Range Co., 3500 N. 2d, St. Louis, Mo.
Buckstaff Co., caskets, etc., Oshkosh, Wis.
Buckstaff-Sprague Lumber Co., Morris, Wis.
Buckwalter, J. A., wholesale hdwe. & masons' & bldrs.' matls., Royersford, Pa.
Buckwalter, J. R., Lbr. Co., Union, Miss.
Buckwalter Stove Co., stove mfrs., Royersford, Pa.
Bucley Lbr. Co., Yelgar, La.
Bucoda Shingle Co., Bucoda, Wash.
Bucy, Aldo, contractor, 3020 Allendale, Pittsburgh, Pa.
Bucyrus Co., mchsts. & fndrs.; conveying machy., South Milwaukee, Wis.
Bucyrus Copper Kettle Works, Bucyrus, Ohio.
Bucyrus Mach. & Tool Co. See Browarsky-Crum Mfg. Co. (successors)
Buda Co., special truck wk. mfrs.; cars, etc., 80 E. Jackson, Chicago, Ill.
Budd, B. F., & Son, contractors, Sharon, Pa.
Budd, Edward G., Mfg. Co., sheet metal stamping & steel auto bodies, 25th & Hunting Park, Phila., Pa.
Budd Grate & Fdy. Co., 2013 Letterly, Phila., Pa.
Budd, H. T., mchsts. & fdrs., Akron, Ohio
Budd, K. C., architect, 500 5th av, New York.
Budd & Ranney Mfg. Co., machsts., Chestnut & Water, Columbus, O.
Budd Wheel Corp., Lehigh av., & 22nd, Phila., Pa.
Budde Mfg. Co., plumbers' wood work, 4 Summer, San Francisco, Cal.
Budde & Weis Mfg. Co., bank, office & store fixtures, Jackson, Tenn.
Budde & Westermann, match mfrs., tin foil, 7th av & 29th, New York.
Buddenbaum Lbr. Co., Indianapolis, Ind.
Buddy, Phil. P., Bldg. & Constr. Co., St. Joseph, Mo.
Budge, Frank T., Co., wholesale hdwe., Miami, Fla.
Buebendorf Bros., flint pebbles, Produce Exch., New York.
Bueche, Frank, & Co., contractors, 13 Lippincott, Cincinnati, O.
Buechele Iron & Tool Wks. Co., mchsts. & fndrs., 4127 Liberty av, Pittsburgh, Pa.



Buecker, Henry F., mach., Newport, Ky.
Buehne Steel Wool Co., 93 Nassau, New York.
Buehner, A. Decorators' Supply Co., St. Louis, Mo.
Buehner Lbr. Co., North Bend, Ore.
Buehrle, German B., masons' & bldrs.' matls., Youngstown, O
Buell Bros., hdwe. mfrs., Clinton, Conn.
Buell Bros., radiator trucks, Fulton, N. Y.
Buell, C. S., Co., cornices, 198 4th av, Brooklyn, N. Y.
Buell Mfg. Co., woolen blankets & flannels, St. Joseph, Mo.
Buell, Ward S., contractor, Albion, N. Y.
Buena Vista Foundry Co., machsts. & fndrs., Buena Vista, V
Buente, Louis C., stone, 3656 Sp. Grove av, Cum., Cincinnati
Buerkel & Co., mill & facty. supplies, 24 Union Park, Bost Mass.
Buerkens Mfg. Co., machsts. & fndrs., Pella, Ia.
Buerkin & Kaempen, contractors, Quincy, Ill.
Buermann, Aug., Mfg. Co., machsts., hdwe. mfrs., 220 Jelliff Newark, N. J.
Buemming, Herman W., & A. C. Guth, architects, 521 Jacks Milwaukee, Wis.
Buerstrin Constr. Co., 567 E. Water, Milwaukee, Wis.
Buescher Band Instrument Co., Elkhart, Ind.
Buesching & Hagerman, contractors, Fort Wayne, Ind.
Buess, Wm., marble interior wk., 312 E. 95th, New York.
Buettner Shelburne Mach. Co., machsts., Terre Haute, Ind.
Buff & Buff Mfg. Co., current meters; architects & engineers' struments, 98 Green, Jamaica Plain, Mass.
Buffalo Asbestos Co., pipe covering, 64 Delaware av, Buff N. Y.
Buffalo Automatic Mfg. Co., paper clips & fasteners, 165 Pe Buffalo, N. Y.
Buffalo Bath Cabinet Co., 435 William, Buffalo, N. Y.
Buffalo Belt Dressing Co., Buffalo, N. Y.
Buffalo Belting Wks., 18 Ellicott, Buffalo, N. Y.
Buffalo Blue Print Co., Builders' Exchange, Buffalo, N. Y.
Buffalo Bolt Co., Buffalo, N. Y.
Buffalo Box Factory, Buffalo, N. Y.
Buffalo Brake Beam Co., machsts. & fndrs., 32 Nassau, N York.
Buffalo Brass Fdry., Buffalo, N. Y.
Buffalo Brick Co., Kansas City, Mo.
Buffalo Can & Bottle Filling Machine Co., 59-61 Terr Buffalo, N. Y.
Buffalo Car Wheel Fndry Co., Dun Bldg., Buffalo, N. Y.
Buffalo Cement Co., 110 Franklin, Buffalo, N. Y.
Buffalo Chemical Fire Extinguisher Co., 67 Carroll, Buffalo, N
Buffalo Contrs. Equip't Co., concrete mixers, 1443 Niag Buffalo, N. Y.
Buffalo Co-operative Stove Co., Buffalo, N. Y.
Buffalo Corr. Container Co., 25 Imson, Buffalo, N. Y.
Buffalo Crushed Stone Co., Ellicott sq., Buffalo, N. Y.
Buffalo Cut Glass Co., Batavia, N. Y.
Buffalo-Dehn Co., picture books, 70 W. Chippewa, Buffalo, N.
Buffalo Dental Mfg. Co., Buffalo, N. Y.
Buffalo Dredging Co., Morgan Bldg., Buffalo, N. Y.
Buffalo Dry Dock Co., machinists, Buffalo, N. Y.
Buffalo Eagle Coal Co., Braeholm, W. Va.
Buffalo Engine Co., machinists, Buffalo, N. Y.
Buffalo Engng. Co. Erie Co., Bank Bldg., Buffalo, N. Y.
Buffalo Envelope Co., 268 Mich. av, Buffalo, N. Y.
Buffalo Expanded Metal Co., 120 Hardwood pl, Buffalo, N. Y
Buffalo Fertilizer Works, Marine Bank Bldg., Buffalo, N. Y.
Buffalo Fire Door Co., 15 W. Swan, Buffalo, N. Y.
Buffalo Flour Milling Co., Central Tr. Bl., Philadelphia, P
Buffalo Forge Co., elec. disc fans; machsts. & fndrs., falo, N. Y.
Buffalo Foundry & Machine Co., 65 Winchester av, Buffalo, N
*See adv index at end of book.*
Buffalo Galvanizing & Tinning Wks., 49 Jackson, Buffalo, N.
Buffalo Gas Co., gas retort carbons, Buffalo, N. Y.
Buffalo Gas Mantle Co., 296 Bryant, Buffalo, N. Y.
Buffalo Gasoline Motor Co., Buffalo, N. Y.
Buffalo Gear & Pattern Wks., machsts., 18 Elk, Buffalo, N. Y.
Buffalo Glass Co., 101 Seneca, Buffalo, N. Y.
Buffalo Grille Co., wood turning, 270 Court, Buffalo, N. Y.
Buffalo Hardwood Lbr. Co., 940 Seneca, Buffalo, N. Y.
Buffalo Hoist & Derrick Co., buckets, etc., 131 Erie, Buff N. Y. *See adv index at end of book*
Buffalo House Wrecking & Salvage Co., scrap iron, etc., S more & Erie R. R., Buffalo, N. Y.
Buffalo Incubator Co., 543 Seneca, Buffalo, N. Y.
Buffalo Jewelry Case Co., Buffalo, N. Y.
Buffalo Knife Co., Buffalo, N. Y.
Buffalo Lamp Co., 110 B'way, Buffalo, N. Y.
Buffalo Last Wks., clogs, 4 Lock, Buffalo, N. Y.
Buffalo Litholite Co., stone, Main & Amherst, Buffalo, N. Y.
Buffalo Mach. Mfg. Co., Buffalo, N. Y.
Buffalo Mfg. Co., water cooler filters, etc., Buffalo, N. Y.
Buffalo Mattress Co., 135 Church, Buffalo, N. Y.
Buffalo Metal Furniture Mfg. Co., Buffalo, N. Y.
Buffalo Metal Goods Co., oil & grease cup lubricators, 196 W chester av, Buffalo, N. Y.
Buffalo Meter Co., disc & water meters, 2921 Main, Buffalo, N
*See adv index at end of book.*
Buffalo Mill Supply Co., 210 Main, Buffalo, N. Y.
Buffalo Nipple & Mach. Co., Inc., 335 Glenwood av, Buff N. Y.

lo Non-Ferrous Casting & Mfg. Co., 45 Letchworth, Buffalo, N. Y.
lo Oil & Compound Co., Buffalo, N. Y.
lo Oil, Paint & Varnish Co., Buffalo, N. Y.
lo Paragon Wall Plaster Co., Ellicott sq., Buffalo, N. Y.
lo Pattern Wks., 830 Hertel av, Buffalo, N. Y.
lo Pitts Co., agricultural implements, Buffalo, N. Y.
lo Plumbing Supply Co., 665 Fillmore av, Buffalo, N. Y.
lo Pottery, Buffalo, N. Y.
lo Pressed Steel Co., 800 Kensington av, Buffalo, N. Y.
lo Printing Ink Wks., 348 Ellicott, Buffalo, N. Y.
lo Refining Co., petroleum, 77 Main, Buffalo, N. Y.
lo Refrigerating Mach. Co., 126 Liberty, New York.
lo Sandstone Brick Co., Buffalo, N. Y.
lo Scale Co., 1205 Niagara, Buffalo, N. Y.
lo Sled Co. (See Auto-Wheel Co., Inc., successors), children's sleds, coaster wagons, etc., N. Tonawanda, N. Y., & 08 Chambers, New York
lo Smelting Wks., 1 Austin, Buffalo, N. Y.
lo Specialty Co., hdwe. mfrs., machsts., 375 Ellicott, Buffalo, N. Y.
lo Springfield Roller Co., road machines & graders, Springfield, Ohio.
lo Steam Pump Co., machsts. & fndrs., Buffalo, N. Y.
lo Steel Co., Tonawanda, N. Y.
lo Stretcher Mfg. Co., 1422 Niagara, Buffalo, N. Y.
lo & Susquehanna Coal & Coke Co., bituminous, Du Bois, 'a.
lo Structural Steel Co., Buffalo, N. Y.
lo Thermometer Co., 297 B'way, Buffalo, N. Y.
lo Tool & Supply Co., mill & facty supps., Buffalo, N. Y.
lo Toy Co., 10 Elk, Buffalo, N. Y.
lo Trunk Mfg. Co., Buffalo, N. Y.
lo Union Furnace Co., ft. Hamburg, Buffalo, N. Y.
lo Waste Paper Co. scrap iron, rubber, etc., 98 Terrace, Buffalo, N. Y.
lo Weaving & Belting Co., rubber goods, cotton webbing, kate straps, etc., Buffalo, N. Y.
lo Wholesale Hardware Co., 317 Washington, Buffalo, N. Y.
lo Wire Works Co., 453 Terrace, Buffalo, N. Y.
*See adv. index at end of book*
lo Woven Label Wks., 565 Washington, Buffalo, N. Y.
len Lbr. & Mfg. Co., Tacoma, Wash.
igton, Arthur E., contractor, New Bedford, Mass.
igton, C. A., & Co., auto. seats, Berkshire, N. Y.
igton, I. T., sash, door & blind, Elizabethville, Pa.
igton Wheel Co., Burlington, Ia.
m Tool Co., bricklayers' chisels, South Side, Louisiana, Mo.
rd Bros., wholesale hardware, Nashville, Tenn.
ee, Arthur S., architect, Sharon bldg., San Francisco, Cal.
ee, E. A., Co., granite, Barre, Vt.
ee, H. A., fertilizer mfrs., Willimantic, Conn.
ee, Newton A. K., & Co., contractors, Trenton, N. J.
G. A., Co., steam dryers, 116 S. Green, Chicago, Ill.
Malleable Co., castings, Wight & Adair, Detroit, Mich.
Sons Co., whol. hdwe. & mill & facty. supplies, 103-119 Woodbridge, W., Detroit, Mich.
Stamping Co., cans, tin plate mfrs., etc., Scotten & I. C. R. R., Detroit, Mich.
er Mill & Elevator Co., Buhler, Kan.
mann, A. W., textile machy. & supplies, 200 5th av, New York.
er, F. F., fertilizer, Seymour, Ind.
er, Rudolph F., machsts. & fndrs., Seymour, Ind.
Mfg. Co., agricultural implements, Washington, Mo.
Pfaff & Co., confectioners' machy., 2d & Race, Cincinnati, Ohio.
ing Water Purifying Co., 68 Murray, New York.
ke, R. H., Co., tool bags, steel balls, jack-straps, etc., 1250 Fullerton av., Chicago, Ill.
man, J. B., & Son, canned goods, Gala, Va.
man, Pharr Hdwe. Co., Texarkana, Ark.
Motor Co., Flint, Mich.
J. C., sashes, doors & blinds, Burnt Fort, Ga.
er & Contractor, trade publications, Los Angeles, Cal.
ers' Brick Co., 118 N. La Salle, Chicago, Ill., and Seattle, Wash.
s.' Brick Mfg. Co., Hooper, Neb.
ers Brick & Mfg Co., Kansas City, Mo.
ers' Brick & Supply Co., masons' & bldrs.' matls., 172nd & West Farms rd, New York.
ing Const. Co., 343 S. Dearborn, Chicago, Ill.
ers' Construction Co., 540 N. Meridian, Indianapolis, Ind.
ers' General Supply Co., masons' & bldrs.' matls., Darby & Scott, Columbus, O.
ers' Iron Foundry, water pipe fittings, meters, controllers, guages, polishing machinery, pull counter shafts, etc., ) Codding, Providence, R. I.
ers' Iron & Steel Co., 262 Bridge, E. C., Boston, Mass.
ers' Iron Wks. Co., bank railings, 1815 University av, Minneapolis, Minn.
ers' Lime & Cement Co., Davenport, Ia.
ers' Lumber & Supply Co., contrs., W. 73d & Denison, Cleveland, Ohio.
ers' Lumber & Supply Co., Macon, Ga.
ers' Mfg. Co., sash, door & blind mfrs., 828 N. Wells, Chicago, Ill.

Builders' Material Supply Co., Republic Bldg., Kansas City, Mo.
Builders' Material Supply Co., Center, Newark, N. J.
Builders' Mutual Supply Co., Savannah, Ga.
Builders' Steel Product Co., culverts, 1210 Fidelity, Philadelphia, Pa.
Builders' Supply Co., sash, door & blind mfrs., 2228 W. Mad., Chicago, Ill.
Builders' Supply Co., sash, door & blind, Everett, Wash.
Builders' Supply Co., Gaffney, S. C.
Builders' Supply Co., Los Angeles, Cal.
Builders' Supply Co., Shreveport, La.
Builders' Supply Corp., door & house bells (rotary), 342 E. Wash., Indianapolis, Ind.
Builders' Supply Depot, 42 8th, San Francisco, Cal.
Bldg. Age, trade publication, 239 W. 39th, New York.
Building Material Co., Monadnock Bldg., San Francisco, Cal.
Building Specialties Co., Inc., masons' & bldrs.' matls., Rochester, N. Y.
Building Supplies Corp., Norfolk, Va.
Building Supply News, trade journal, 610 Federal, Chicago, Ill
Building Products Co., builders' supplies, 67 E. Long, Columbus Ohio
Building Pub. Co., News, Perry Bldg., Phila., Pa.
Building Service Bureau, architest, 210 Brush, Detroit, Mich.
Buildings Equipment Mfg. Co., elec. safety devices, 175 W. Jackson Blvd., Chicago, Ill.
Buissono Bros. Mfg. Co., machinists, 3351 Parnell, Chicago, Ill.
Bulasky, L., hatters' machy., 44 E. Houston, New York.
Bulger, C. W., & Son, architects, Praetorian Bldg., Dallas, Tex.
Bulger, Wm., Varnish Co., 3053 E. 87th, Cleveland, Ohio.
Bulis, J. C., Mfg. Co., paper boxes, 1122 S. 12th, St. Louis, Mo.
Bulkley, Dunton & Co., paper & pulp mills & wood pulp, importers, 75 Duane, New York.
Bulkley, Hy. W., heaters, Orange, N. J.
Bulman, E. O. Mfg. Co., bottle openers, Grand Rapids, Mich.
Bull, A. H. & Co., ship brkrs., 17 Battery pl, New York.
Bull, Edward H., contractor, Waltham, Mass.
Bull, Edwin C., bldg. contractor, Waltham, Mass.
Bull Run Talc & Soapstone Co., Clifton Station, Va.
Bull Tractors, Madison Motors Corp., 620 S. 3rd, Minneapolis, Minn.
Bullard Brick Co., Jackson, Miss.
Bullard & Bullard, architects, Unity Bldg., Springfield, Ill.
Bullard Co., maps, 326 Bacon, Boston, Mass.
Bullard, Elizabeth, landscape architect, 472 Park pl, Bridgeport, Conn.
Bullard & Gormley Co., whol. hdwe., 175 N. State, Chicago, Ill.
Bullard, George Wesley, architects, Provident Bldg., Tacoma, Wash.
Bullard, Hoagland & Benedict, lumber & masons' & bldrs.' matls., Omaha, Neb.
Bullard Machine Tool Co., boring & turning machines, Bridgeport, Conn.
Bullard Spec. Co., roof flanges, Tiffin, Ohio.
Bullard Spec. Co., speed indicators, Springfield, Mass.
Bullard, W. H., Thread Co., Holyoke, Mass.
Bullderick, Fred E., mattresses, Dempsey & C. H. & D. R. R., N. Fairmount, Cincinnati, Ohio.
Bullen, H. B., Lumber & Coal Co., masons' & bldrs. matls., Stillwater, Okla.
Buller Brush Co., Hartford, Conn.
Bulley & Andrews, contractors, 25 N. Dearborn, Chicago, Ill.
Bullington Engineering Wks., Union av & East Ankeny, Portland, Ore.
Bullochville Home Mixture Guano Co., Bullochville, Ga.
Bullock, C. K., mill & facty. supplies, 1357 Ridge av, Phila., Pa.
Bullock, E. C. A., architect, 190 N. State, Chicago, Ill.
Bullock, John S., Lime & Cement Co., masons' & bldrs.' matls., Westwood & Whitmore av, Baltimore, Md.
Bullock Mfg. Associates, jewelers' & hdwe. tools mfrs., Springfield, Mass.
Bullock, T. H., Mfg. Co., blacksmiths' bellows, Cleveland, Ohio.
Bullock Tractor Co., 1801 Diversey Parkway, Chicago, Ill.
Bull's Ferry Chemical Co., dyes & dyestuffs, Edgewater, N. J.
Bulls Gap Canning Co., Bulls Gap, Tenn.
Bulow Turpentine Co., Bulow, Fla.
Bultman, F. H., Co., gears, 2108 Superior via Cleveland, Ohio.
Bumby, H. E., scrap iron & steel, Bessemer, Ala.
Bumby, Jos., Hardware Co., Orlando, Fla.
Bumann Mfg. Co., oil cans, razor stroppers, traps, Litchfield, Ill.
Bumpass Coop Co., poultry coops, Bumpass, Va.
Bumps Paper Fastener Co., La Crosse, Wis.
Bumstead, F. E., machinists, Colorado Springs, Colo.
Bumstead, F. F., machinist, Ontario, Cal.
Bunce Art Glass Co., Richmond, Va.
Bunce, J. Oscar, architect, 7 E. 42nd, New York.
Bunck, Jno. J., & Co., brushes, brooms, 155 Chambers, New York.
Bunday Lbr. Co., Linesville, Pa.
Bundo Bros., contractors, 1018 E. 75th, Chicago, Ill.
Bundy Mfg. Co., machinists, Endicott, N. Y.
Bundy, W. H., Recording Co., time recorders, 135 5th av, New York.
Bungalow Construction Co., 1026 Main, Hartford, Conn.
Bungalow Craftsman Co., portable houses, Seattle, Wash.
Bungardner, L. A., Co., contractors, Scandn.-Amer. Bk. Bldg., St. Paul, Minn.

Bunger & Scheidegger, machinists, Cleveland, Ohio.
Bungert, P. J., architect, Rockville Center, N. Y.
Bunker-Culler Lumber Co., Bunker, Mo.
Bunker, G. W., Co., contractors, Grand Rapids, Mich.
Bunker Hill Canning Co., Bunker Hill, Ind.
Bunker Hill & Sullivan, M. & Co., lead, Crocker bldg, San Fransisco, Cal.
Bunker Shingle Co., Bunker, Wash.
Bunker & Savage, architects, Augusta, Me.
Bunkie Brick Works, Ltd., Bunkie, La.
Bunn & Nase, contractor, 1123 B'way, New York.
Bunnecke, Geo., & Sons, contractors, 2 E. Lexington, Baltimore, Md.
Bunnell, J. H., & Co., batteries, alarms, etc., 32 Park pl, New York.
Bunnell, W. H., washers, plugs, cups, 178 Centre, New York.
**BUNTING BRASS & BRONZE CO.**, finished bronze bushings & bearings, 738 Spencer, Toledo, Ohio.
*See adv index at end of book.*
Bunting Hardware Co., 810 Walnut, Kansas City, Mo.
Bunting Iron Works, Coalinga, Cal.
Bunting, J. R., Bedding Co., 1505 Wharton, Philadelphia, Pa.
Bunting Publication, Inc., trade publication, 9 S. Clinton, Chicago, Ill.
Bunting & Shrigley, architects, 603 Chestnut, Philadelphia, Pa.
Bunting Stamps Co., 713 Liberty av, Pittsburgh, Pa.
Bunton & Bernard, contractors, Manchester, N. H.
Buob & Scheu, machsts. & auto. wood bodies, 216 Webster, Cincinnati, Ohio.
Buonanno & Marcello Co., contractors, 583 Laurel Hill av, Providence, R. I.
Buoy, Jno. Y., Co., wholesale hardware, mill & facty. supps., Milton, Pa.
Burbank, Ralph N., architect, 75 State, Boston, Mass.
Burbank & Ryder, paint & varnishes, Boston, Mass.
Burbank Thawing Mach. Co., 355 Warren, Box, Boston, Mass.
Burch, F. J., Mfg. Co., tents, Pueblo, Colo.
Burch, F. S., & Co., sheep dips, disinfectants, 152 W. Huron, Chicago, Ill.
Burch, Horace O., contractors, New London, Conn.
Burch Plow Wks. Co., Crestline, Ohio.
Burchartz Fireproofing Co., 26 Cortlandt, New York.
Burcher & Robinson, contractors, Scranton, Pa.
Burchett & Billings, lbr., Austin, N. C.
Burchfield, T. T., Co., machinery dlrs., 54 N. 6th, Phila., Pa.
Burchwell Mfg. Co., lamps, Pontiac Bldg., St. Louis, Mo.
Burckard Blacking & Oil Co., shoe blacking, 1322 Greenmount av, Baltimore, Md.
Burckard, Wm. A. & Co., elec. supp., Norfolk, Va.
Burckhardt & Co., tallow oils, Cincinnati, Ohio.
Burd, Chas. E., contractor, Red Bank, N. J.
Burd Construction Co., Canton, Ohio.
Burd High Compression Ring Co., Rockford, Ill.
Burden Iron Co., horse shoes, Troy, N. Y.
Burdett Chair Mfg. Co., furniture, rattan & reed, Keene, N. H.
Burdett Mfg. Co., cotton mops & rope, Kansas City, Mo.
Burdett Mfg. Co., oxy-acet. welding apparatus, 309 St. Johns Ct., Chicago, Ill.
Burdett-Rowntree Mfg. Co., dumb waiters, Hoboken, N. J.
Burdett, Smith & Co., hot air furnaces, Troy, N. Y.
Burdette Cooperage Co., Burdette, Ark.
Burdick, A. W., architect, Oskaloosa, Ia.
Burdick, A. W., & Co., cornices & skylights, Memphis, Tenn.
Burdick Cabinet Co., 15 E. Washington, Chicago, Ill.
Burdick Enamel Sign Co., 220 S. State, Chicago, Ill.
Burdick, L. F., Co., heating contractors, 2011 Adams, Toledo, O.
Burdick & Son, stove trimmings, stampings, etc., Albany, N. Y.
Burdick, W. T., contr., Rock Falls, Ill.
Burdie Bros., brick, Glasgow, Mo.
Burdin, J. J., & Bro., lumber & saw mill, St. Martinville, La.
Burditt Bros., masons' & bldrs.' matls., Rutland, Vt.
Burditt & Williams Co., whol. hdwe., 95 Summer, Boston, Mass.
Burdsal, A., Co., paint mfrs.; wood stains & fillers, etc., Indianapolis, Ind.
Burdsall, Wm. H., contractor, Lansdowne, Pa.
Bureau Bros., architect'l bronze fndrs., 23d & Westmoreland, Philadelphia, Pa.
Burg, E. F., Co., hotel supplies, 224 W. First, Duluth, Minn.
Burg, L., Carriage Co., Dallas City, Ill.
Burgan, Wm. M., lumber mfrs., American bldg., Baltimore, Md.
Burgard, Henry P., Co., contractors, 1968 Fillmore av, Buffalo, N. Y.
Burge Mach. Wks., 230 N. Jefferson, Chicago, Ill.
Burge & Stevens, architects, Atlanta Trust Bldg., Atlanta, Ga.
Burger & Baumgard, who. hdwe., 88 White, New York.
Burger Boat Co., motor boat, launch & yacht bldrs., Manitowoc, Wis.
Burger & Gohlke, cornices, 232 7th, Brooklyn, N. Y.
Burger, H. B., Jr., ship bldrs., Manitowoc, Wis.
Burger Iron Co., Akron, Ohio.
Burger, Wm., masons' & bldrs.' matls., Boonville, Mo.
Burgeson, C. F., contractors & dock bldrs., Tacoma, Wash.
Burgess Battery Co., dry batteries, Madison, Wis.
Burgess, C. F., Laboratories, chem. engineers & elec. lamp flashlights, Madison, Wis.
Burgess, C. H., stone producers, Euclid Quarries, Cleveland, O
Burgess, Chas. V., architect, Security Tr. Bldg., Lynn, Mass.
Burgess Co., aeroplanes & supplies, Marblehead, Mass.
Burgess & Co., potters' supplies, East Liverpool, Ohio.
Burgess Construction Co., Hartford, Conn.
Burgess, D. H. & Co., mason & bldrs. mtls., Petersburg, Va.
Burgess, Fobes & Co., white lead & paint mfrs., Portland, M.
Burgess-Granden Co., electric & gas light fixtures, Omaha, N
Burgess, Jas., cornices, 254 Prairie av, Providence, R. I.
Burgess, Jas. S., lumber mfrs., Marathon, N. Y.
Burgess & Long, chemical engrs., Columbus Savings & Tr Bldg., Columbus, Ohio.
Burgess, M. W. & J. G., flour mills, Reader, W. Va.
Burgess Mach. Co., New Haven, Conn.
Burgess & Norton Mfg. Co., hardware & hatchets, Geneva, Il
Burgess Soldering Furnace Co., Columbus, Ohio.
Burgess, W. Starling, Co. (Ltd.), naval architects, Marbleh Mass.
Burgett, L. A., & Co., contractors, Lorain, Ohio.
Burggraf, C. H., architect, Albany, Ore.
Burgin & Co., Inc., chemicals, 95 William, New York.
Burgin Packing Co., canned goods, Cincinnati, Ohio.
Burgin, W. Jay, bldg. contr., Long Beach, Cal.
Burglar Proof Lock & Hdwe. Corp., 75 Fulton, New York.
Burgmann, Feodor, packing mfr., 26 Cortlandt, New York.
Burgmaster, Daniel, heating contractor, 70 Del. av, Buffalo, N
Burgren, Albert W., architect, 30 Woodland av, San Franci Cal.
Burgy, F. F., machsts. & fndrs., Edgerton, Wis.
Burham Safety Razor Co., 388 Hudson, New York.
Burhans & Black Co., wholesale hdwe., mill & facty. supp Syracuse, N. Y.
Burhans, Lewis, contractor, Newburgh, N. Y.
Burhorn, Edwin, Co., water cooling towers, 71 Wall, New Y
Burk, Alan R. H., Mfg. Co., copper sinks, 2260 Philip, Phila.,
Burk & Bottomley, architects, 34 School, Boston, Mass.
Burk Construction Co., New Castle, Ind.
Burk & Dufrechon, architects, 808 Perdido, New Orleans, La
Burk, Frank, contractor, New Castle, Ind.
Burk, Louis, meat packers, Girard & 3d, Philadelphia, Pa.
Burk Machine Tool Co., Conneaut, Ohio.
Burk, Michael F., architect, 333 Union, Lynn, Mass.
Burk, Wm. B., & Co., sponges, chamois, 6th & Arch, Phila.,
Burke, Andrus, Sand Co., Fort Smith, Ark.
Burke, Augustus, Roofing Co., roofing felts, 2621 N. Hal Chicago, Ill.
Burke Bros., granite, Barre, Vt.
Burke Construction Co., Fort Smith, Ark.
Burke County Oil & Fertilizer Co., Waynesboro, Ga.
Burke, D. F., contractor, 7 Alden, Boston, Mass.
Burke, E. J., architect, Eureka, Cal.
Burke Elec. Co., mfrs. of electrical machinery, Erie, Pa.
Burke Engng. Co., combustion engnrs., 49 Westminster, P dence, R. I.
Burke Furnace Co., locomotive stokers & smokeless furn 320 N. Water, Chicago, Ill.
Burke Garden Mills, flour, Burke Garden, Va.
Burke Golf Co., Newark, Ohio.
Burke, John F., whole. lbr., 29 W. 42d, New York.
Burke, J. J., & Co., contractors, Kearns Bldg., Salt Lake Utah.
Burke, Jas. J., contractors, 336 Katherine, Buffalo, N. Y
Burke, John R., contractor, 78 Devonshire, Boston, Mass.
Burke, Jos. F., Co., contrs., Plainfield, N. J.
Burke Mfg. Co., razor stroppers, Dayton, Ohio.
Burke & Olsen, architects, 32 Court, B'klyn, N. Y.
Burke, P. J., Monumental Works, Washington C. H., Ohio.
Burke Shingle Co., Anacortes, Wash.
Burke, Smith & Nelson, contractors, Muskegon, Mich.
Burke, T. C., masons' & bldrs.' matls., Macon, Ga.
Burke, Timothy, contractor, Scranton, Pa.
Burke, W. J., contractor, Lyndhurst, N. J.
Burkete, A. H., mill & facty. supplies, Gosport, Ind.
Burkett Lightning Rod Co., Fremont, Ohio.
Burkett Mfg. Co., oil engines & baling presses, 162 W. Sp Columbus, Ohio.
Burkettsville Canning Co., Burkettsville, Ohio.
Burkeville Lbr. Co., Inc., Burkeville, Va.
Burkley Envelope & Printing Co., Omaha, Neb.
Burkhard, Thos., stills, 494 Flushing av, Brooklyn, N. Y.
Burkhardt, G., Mfg. Co., cornices, 2123 N. Clark, Chicago,
Burkhardt, Hy., Packing Co., meat packers, Dayton, Ohio.
Burkhardt, Jacob, common brick, Waterloo, Ill.
Burkhardt, John, bronze doors, gates, door hangers, 53 55th, New York.
Burkhardt Packing & Provn. Co., Denver, Colo.
Burkhardt, W. A., flour mills, Vinegrove, Ky.
Burkhardts, Geo. J., Sons, wood tanks, Drexel Bldg., Phila
Burkhart, E. F., elec. contr., Palo Alto, Cal.
Burkhartsmeir, Daniel, Cooperage Co., 7254 S. Chicago Chicago, Ill.
Burkhead, G. W., architect, Iowa Bldg., Sioux City, Ia.
Burkholder, I. C. & Son, canned goods, Buchanan, Va.
Burkholder Lumber Co., 917 Marquette av, Minneapolis,
Burkholder, Sam'l, Lbr. Co., Crawfordsville, Ind.
Burkley, Geo. F., canned goods, Belcamp, Md.
Burks, P. I., & Co., pianos, Louisville, Ky.

lgh, R., & Sons, wood handles, Dermott, Ark.
son, J. E., Mica Co., Spruce Pine, N. C.
w Hardware Co., Charleston, W. Va.
y Heater Co., Tyrone, Pa.
y, Jas. L., architect, 363 Lexington av, New York.
y Welding Wks., machsts., 20 Kosciusko, B'klyn, N. Y.
y & Winter Pottery Co., Crooksville, Ohio.
igame, A., Co., mill & facty. supplies, Worcester, Mass.
igame & Darby's Co., masons' & bldrs.' matls., mill & facty. upplies, & wholesale hdwe., North Adams, Mass.
igame Mfg. Co., clothes washer, Syracuse, N. Y.
igame, S. F., kerosene & gasoline engine mfrs., Worcester, lass.
igame, Walter E., assayers, Denver, Colo.
igton Basket Co., Burlington, Ia.
igton Blanket Co., Burlington, Wis.
igton Brass Works, mchsts. & fdrs., Burlington, Wis.
igton Brick & Tile Co., Burlington, Wis.
igton Buggy Co., Burlington, Ia.
igton Coffin Co., Burlington, N. C.
igton Construction Co., Burlington, Ia.
igton County Farmers' Exchange, fertilizer mfrs., Mt. Holly, N. J.
igton Flouring Co., Burlington, Vt.
igton Granite Co., Burlington, Vt.
igton Grocery Co., masons' & bldrs.' matls., Burlington, Vt.
igton Iron Store Co., Burlington, Ia.
igton Lumber Co., Burlington, Ia.
igton Rendering Co., Burlington, Vt.
igton Soap Co., Burlington, Ia.
igton Supply Co., fertilizer mfrs., Burlington, N. J.
igton Venetian Blind Co., Burlington, Vt.
igton Vinegar & Pickle Wks., Burlington, Ia.
igton Watch Co., 19th & Marshall blvd., Chicago, Ill.
igton Willow Ware Shops, baskets, Burlington, Ia.
ite Roofing Co., Argo, Ill.
s Co., contractors, 952 Main, Bridgeport, Conn.
Boston Battery & Mfg. Wks., 134 State, Boston, Mass.
p, George, landscape architect, 808 17th, N. W., Washington, D. C.
r, Owen M., Co., lumber mfrs., Land Title Bldg., Phila., Pa.
t Co., mill & facty. supplies, 69 South, New York.
tt Bag & Burlap Co., Bklyn, Baltimore, Md.
tt Bros., granite producers, Milford, N. H.
tt Canning Co., Burnett, Ind.
tt, E. architect, 405 Lexington av, New York.
tt Engineering & Constr. Co., 501 W. 145th, New York.
tt Foundry & Machine Works (Ltd.), Petoskey, Mich.
tt, Geo. B., & Son, palm leaf hats, 36 W. 4th, New York.
tt, J. H., Iron Wks., Fresno, Cal.
tt-Larsh Mfg. Co., elec. pumps; water supply systems., Dayton, Ohio.
tt & Loggans, architects, Bristol, Tenn.
tt, Rollin P., contractor, Society for Savings Bldg., Cleveland, Ohio.
tt & Son, sashes, doors & blinds, Sacramento, Cal.
y Bros., mill & facty. supplies, Little Falls, N. Y.
am, A. C., & F. G., brick, Montague City, Mass.
am, Asa C., paper & pulp mills, Camden, N. Y.
am Bros., marine R'ways & dry docks, Gloucester, Mass.
am Bros. Brick Co., 68 Wisconsin, Milwaukee, Wis.
am, C. G., masons' & bldrs. matls., Holyoke, Mass.
am & Davis Lbr. Co., Lowell, Mass.
am, D. H., architect, 209 S. LaSalle, Chicago, Ill.
am, E. S. Co., canned goods, 16 Gansevoort, New York.
am, Gilbert H., machsts., Newport, R. I.
am, Hubert, architect, 209 S. LaSalle, Chicago, Ill.
am, L. A. & Co., fish lines, Gloucester, Mass.
am Mfg Co., children's vehicles & hay racks, Charles City, Ia.
am & Morrill Co., canned goods, Portland, Me.
am Phonograph Mfg. Co., 1929 S. Los Angeles, Los Angeles, Cal.
am-Standeford Co., sashes, doors & blinds, Oakland, Cal.
tol Mfg. Co., cups—paper, cuspidors, etc., Orient av, Boston, Mass.
ey Battery & Mfg. Co., North East, Pa.
il Engine Co., mfrs. of oil engines, South Bend, Ind.
or Heater Co., gas, Chattanooga, Tenn.
t Mfg. Co., glue, 64 Gold, New York.
, A. W., & Co., contractors, 55 E. State, Columbus, Ohio.
& Bassick Co. (Division of The Bassick Co.), furniture rimmings & automobile h'dwe mfgrs., 38 Austin, Bridgeport, Conn.
, Benedict J., architect, 1548 Belmont av, Chicago, Ill.
Bros., contrs., & masons' & bldrs.' matls., New Castle, Pa.
Bros., mill & facty supps., Syracuse, N. Y.
Bros., & Haley, contractors, Watertown, N. Y.
& Campbell, granite producers, Petersburg, Va.
Co., masons' & bldrs.' matls., Bridgeport, Conn.
, D. H., stone producers, Chester, Pa.
, E. Reed, platers' supplies, 25 Jackson, Brooklyn, N. Y.
Fire Brick Co., Williamsport, Pa.
, Fleming & Co., heating contrs., 815 Forbes, Pittsburgh, Pa.
s, H. J., cornices & skylights, Spokane, Wash.

Burns & Hancock Fire Brick & Clay Co., Montezuma, Ind.
Burns, Harry, Lbr., Shippensburg, Pa.
Burns Hydro Carbon Burner Co., Fort Plain, N. Y.
Burns Iron Wks., 201 Commerce, Newark, N. J.
Burns, John, & Son, tin cans, 19 Fulton, New York.
Burns, J. W., masons' & bldrs.' matls., Watertown, Wis.
Burns, Jabez, & Sons, machsts, 567 11th av, New York.
Burns, Jas., architect, 64 W. Randolph, Chicago, Ill.
Burns, Jas. F., boxes, cleats, couplings, 713 Cherry, Phila., Pa.
Burns, Jno. E., Lumber Co., 700 W. Chicago av, Chicago, Ill.
Burns, John, Granite Co., 840 N. Main, Providence, R. I.
Burns, John, & Son, stone prod., 156 7th, Brooklyn, New York.
Burns, Jos. M., contractor, West Chester, Pa.
Burns Lbr. Co., Duluth, Minn.
Burns, M. A., Mfg. Co., lbr. & shingles, Eureka, Cal.
Burns, P., Saddlery Co., 713 Lucas, St. Louis, Mo.
Burns, Robt., Lbr. Co., Mitchell, S. D.
Burns & Russell Co., brick, American Bldg., Baltimore, Md.
Burns, Sam'l T., lumber mfrs., Alton, N. Y.
Burns & Schilling, glass house molds, 589 Kent av, B'klyn, N. Y.
Burns Knitting Co., gloves & sweaters—knitted, Nashua, N. H.
Burns Typewriter Co., Buffalo, N. Y.
Burns, W. F., Co., savings banks, 38 S. Dearborn, Chicago, Ill.
Burns, W. J., Co., contrs., Syracuse, N. Y.
Burnside Bros., lumber mfrs., Maryland, N. Y.
Burnside Excelsior Co., Burnside, Ky.
Burnside Roller Mills, flour, Burnside, Ky.
Burnside Steel Co., castings, Railway Exchange, Chicago, Ill.
Burnsville Mercantile Co., lbr., Burnsville, Miss.
Burpee Can Sealer Co., 215 W. Huron, Chicago, Ill.
Burpee & Letson, canning machy., Bellingham, Wash.
Burr Bros., lumber mfrs., Gloversville, N. Y.
Burr Co., castings, manhole covers, spiral fire escapes, etc., Champaign, Ill.
Burr, David & Co., soap, 28 E. Kinzie, Chicago, Ill.
Burr, Henry E., landscape architect, Orange, N. J.
Burr & Houston Co., fndrs., Franklin, Quay & Calyer, Brooklyn, N. Y.
Burr, Howard B., architect, Waterloo, Ia.
Burr Index Co., Hartford, Conn.
Burr, John T., & Son, machy. mfrs., 429 Kent av, B'klyn, N. Y.
Burr Mfg. Co., tackle blocks, stretchers, etc., Whitney Power blk, Cleveland, Ohio.
Burr & Munsing, masons' & bldrs.' matls., Ludlow, Mass.
Burr Oak Belting Co., 521 Livingston, Cincinnati, Ohio.
Burr-Vack Co., toys, games & novelties, 511 S. Wabash av, Chicago, Ill.
Burrage, H. E., & Co., cornices & skylights, Leominster, Mass.
Burrage, Robt. R., glue mfrs., 83 Gold, New York.
Burrell Belting Co., woven & conveyor belting, 413 S. Hermitage, Chicago, Ill.
Burrell, Clay N., architect, Albany Bldg., Oakland, Cal.
Burrell & Co., cornices, Duluth, Minn.
Burrell, D. H., & Co., mill & facty. supplies, cow milking, butter printing & cutting, & cheese facty. machy., etc., Little Falls, N. Y.
Burrell Engineering & Construction Co., 323 S. La Salle, Chicago, Ill.
Burrell, H. G., cornices & skylights, Stoughton, Mass.
Burrell, Horace H., contractor, 206 Quince, Philadelphia, Pa.
Burrell Mfg. Co., cement machy., Bradley, Ill.
Burridge, B. W., electro plating, 461 Bush, San Francisco, Cal.
Burrill, J. R., architect, Exchange Bk. Bldg., Spokane, Wash.
Burris, Jno. T., & Son, shingles—metallic, Anderson, S. C.
Burritt, A. W., Co., who. h'dwe., Knowlton, Bridgeport, Conn.
Burritt, O. W., & Bro., wholesale hdwe., Weedsport, N. Y.
Burroughs Adding Mach. Co., 2d & Burroughs av., Detroit, Mich.
Burroughs-Baldwin Co., who. h'dwe., 87 Warren, New York.
Burroughs Bros. Mfg. Co., chemicals, Coca Cola Bldg., Balto., Md.
Burroughs, Chas., Co., machsts., 141-149 Commerce, Newark, N. J. *See adv. index end of book.*
Burroughs, G. C. & J. H. Deeken, architects, Union Trust bldg, Cincinnati, Ohio.
Burroughs, Geo., & Sons, trunk mfrs., 424 E. Water, Racine, Wis.
Burroughs, J. P., & Son, flour mills, Flint, Mich.
Burroughs & Mankin, brick, Richmond, Va.
Burroughs, R. A., & Co., coppersmiths, Norfolk, Va.
Burroughs-Ross-Colville Co., neck yokes, McMinnville, Tenn.
Burroughs & Taylor Co., woolen blankets, Cave, Tenn.
Burroughs Tool Co., 87 Warren, New York.
Burroughs-White Trunk Co., Los Angeles, Cal.
Burrowes, E. T., Co., screens, wood & all metal for windows, doors & porches; home billiard tables, folding card tables, cedar chests & furniture specialties, mfrs., Portland, Me.
Burrowes, M. R., archt., 435 Woodward, Detroit, Mich.
Burrows Mfg. Co., regulators, traps, valves, etc., York, Pa.
Burrows Metal Mfg. Co., 521 W. 23d, New York.
Burrows, Sloan & Co., mfrs. agts., Real Estate Trust Bldg., Philadelphia, Pa.
Burrows, Thos. C., steel imptrs., 17 Burling Slip, New York.
Burrows, Walter R., track jacks, 80 Maiden la, New York.
Burrows, Wm., Mfg. Co., plumbers' wood wk., 430 Kent av, Brooklyn, N. Y.
Burrus Mill & Elevator Co., flour, Ft. Worth, Tex.
Burrus, O. M., & Bro., stone producers, Burlington, Ia.

Burruss Engng. Co., machy., Atlanta, Ga.
Burry & Markel Co., masons' & bldrs.' matls., Evans City, Pa.
Bursik & Krupka Co., sash, door & blind mfrs., 1919 S. Fairfield av, Chicago, Ill.
Burson, H. W., Inc., machy. dlrs., mill, fcty. & mine supplies, 123 Water, Pittsburgh, Pa.
Burson Knitting Co., machy., Rockford, Ill.
Burson Mfg. Co., machsts., Rockford, Ill.
Burstein, Meyer, cotton waste, Neenah, Wis.
Burt, F. N., Co., boxes, Buffalo, N. Y.
Burt & Hicks, lbr., Biscoe, N. C.
Burt Mach. Co., 403 E. Oliver, Baltimore, Md.
Burt Mfg. Co., mattresses, 226 Eddy, Providence, R. I.
**BURT MANUFACTURING CO. (THE),** ventilators, 40 Main, Akron, Ohio. *See adv index at end of book*
Burt & Mitchell Co., dry docks, etc., ft. Morris, Jersey City, N. J.
Burt Portland Cement Co., Bellevue, Mich.
Burt, W. A., & Son, flour, Simsboro, La.
Burtar, Adolph G., architect, 7616 Madison, Forest Park, Ill.
Burtchaell, John W., electric & gas light fixtures, 357 Ellis, San Francisco, Cal.
Burtis, D. H., cornices & skylights, Phoenix, Ariz.
Burton, A. & E., & Co., brooms & brushes, 73 Pearl, Boston, Mass.
Burton, A. G., Son, machsts., 118 S. Clinton, Chicago, Ill.
Burton, A. J., & Son, band saws, Quincy, Mass.
Burton, Alvah F., granite, Thomaston, Me.
Burton & Bendernagel, archts., Audubon Bldg., New Orleans, La.
Burton & Burton, contractors, Trenton, N. J.
Burton & Co., wholesale hdwe., Oxford, Ala.
Burton Constr. Co., Montgomery, Ala.
Burton, D. F., hosiery—elastic, Pythian Temple, Cleveland, O.
Burton-Dixie Corp., cotton felts & mattresses, 2024 S. Racine av, Chicago, Ill.
Burton, E., fertilizer, St. Joseph, Mich.
Burton Engng. & Machy. Co. (The), gasoline & kerosene locomotives, Spring Grove & Albany av, Cincinnati, Ohio. *See adv index at end of book*
Burton, E. P., Lbr. Co., Charleston, S. C.
Burton & Fenton, masons' & bldrs.' matls., Mount Vernon, N. Y.
Burton, G. F., Co., mill & facty. supplies, Springfield, Ohio.
Burton Hdwe. & Mfg. Co., cornices & skylights, Knoxville, Tenn.
Burton, Howard B., architect, 47 W. 34th, New York.
Burton, J. H., & Co., lbr., 38 Park Row, New York.
Burton & Johnson Co., mchsts. & fdrs., 2301 Center av, Cleveland, Ohio.
Burton-Lingo Co., masons' & bldrs.' matls., Fort Worth, & El Paso, Tex.
Burton Lumber Co., Lewisville, Ark.
Burton Range Co., 7 Sycamore, Cincinnati, Ohio.
Burton, Reuben, cornices, Richmond, Va.
Burton-Swartz Cypress Co. of Fla., lumber, Perry, Fla.
Burton-Townsend Co., molding sand & paving blocks, Ashtabula, Ohio.
Burton, T., & Son, canned goods, Millsboro, Del.
Burton, W. J. Co., tins, roofing, doors, tanks, etc., Junction & Federal, Detroit, Mich.
Burtt Mfg. Co., machsts., Kalamazoo, Mich.
Burwak Elevator Co., 216 Fulton, New York.
Burwell, Elliot N., architect, 65 Griggs Road, Boston, Mass.
Burwell, J. C., masons' & bldrs.' matls., Winsted, Conn.
Bury Compressor Co., air & gas compressors, Erie, Pa.
Busch, A. H., Co., plumbers' & mill & facty. supplies, 150 N. Los Angeles, Los Angeles, Cal.
Busch, Adolphus, Glass Mfg. Co., Main & Dorcas, St. Louis, Mo.
Busch, J. C., Co., compressors, sprue cutters, cranes, hoists, etc., 140 Ferry, Milwaukee, Wis.
Busch & Percival, contractors, Brisbane Bldg., Buffalo, N. Y.
Busch, Russell & Gelts Co., stone, Muncie, Ind.
Busch & Stewart, contractors, Williamsport, Pa.
Busch-Sulzer Bros-Diesel Engine Co., 2d & Utah, St. Louis, Mo.
Buschle Sons, Mfg. Co., pipe wrenches, 1637 Central av, Cincinnati, Ohio.
Buschman Bros., steel merchants, Park Row Bldg., New York.
Buschner, A. C., & Co., silk tassels, 1253 Nostrand av, Brooklyn, N. Y.
Buschow Lbr. Co., Page, Okla.
Buse, Frederick, packing box mfrs., 421 E. 60th, New York
Buser, Nathaniel E., architect, Mount Morris, Ill.
Buser-Poston Tufting Mach. Co., Chillicothe, Ohio.
Busfield Machine Co., Haverhill, Mass.
Bush, Beach & Gent, chemicals, 80 Maiden la, New York.
Bush Bros., sash, door & blind mfrs., Royersford, Pa.
Bush Building Co., Nashville, Tenn.
Bush, C. P., Hardware Co., Columbus, Ga.
Bush, Chas. S., Co., lubricating oils & greases, 224 Weybosset, Providence, R. I.
Bush, Charles T., architect, 825 Julien av, Dubuque, Ia.
Bush Elect. Corp., X-ray apparatus, 334 Sutter, San Francisco, Cal.
Bush, E. M., Hdwe. Co., Evansville, Ind.
Bush Fdry. & Metal Wheel Co., Quincy, Ill.
Bush & Gerts Piano Co., 1550 Dayton, Chicago, Ill.
Bush Glass Co., Lansing, Mich.
Bush & Handwerk, cornices, Joliet, Ill.
Bush, J. D. & Co., lbr. mfrs., Wilmington, Del.
Bush, Jas. S., store & bar fixtures, 239 B'way, New York.



Bush & Lane Piano Co., Holland, Mich.
Bush Mfg. Co., airplane radiators, 77 Commerce, Hartf Conn.
Bush, Matt & Bros., contrs., Little Rock, Ark.
Bush Motor Co., auto bldrs., Bush Temple, Chicago, Ill.
Bush, Roberts & Schaefer Co., contrs., 332 S. Michigan Chicago, Ill.
Bush, Thos. G., & Co., contrs., Pulsen Bldg., Spokane, Wash
Bush, W. J., & Co., essential oils & fruit flavors, etc., William, New York.
Bush, W. R., contractor, Springfield, Ohio.
Busha, S. J., fertilizer, Buford, Ga.
Bushauer, Peter, brass fndr., 261 Elm, Newark, N. J.
Bushel, R., brick, Stamford, Texas.
Bushell, A. A., & Son, contrs., Peoria, Ill.
Bushnell, Carl, contr., 133 W. Washington, Chicago, Ill.
Bushey, G. M., & Son, lime mfrs., Cavetown, Md.
Bushey, N. C., contractor, Springfield, Mass.
Bushman, Thomas, architect, Altoona, Pa.
Bushnell, Alvah, Co., filing containers, 925 Filbert, Phila.,
Bushnell, Clarence E., plumbers' & mill & facty. supplies, falo, N. Y.
Bushnell, G. B., contractor, Elkhart, Ind.
Bushnell, John S., & Co., reducing wheels, etc., 146 Lib New York.
Bushnell, N. T., Co., wholesale hdwe., & mill & facty. supp New Haven, Conn.
Bushnell Novelty Co., wringers (mop), Mansfield, Ohio.
Bushnell Pump Co., Bushnell, Ill.
Bushnell Tank Works, coal chutes, Bushnell, Ill.
Bushwick Pork Pckg. Co., 29 Bushwick av, Brooklyn, N. Y.
Bushy, Geo., contractor, Lebanon, Ind.
Business Men's Clearing House, 209 S. State, Chicago, I
Business Men's Paper Press Co., Wayland, Mich.
Business Reviving Co., advtg, novelties, Oblong, Ill.
Busk & Wind, contractors, Ramge Bldg., Omaha, Neb.
Buskirk Rutledge Lbr. Co., Quicksand, Ky.
Buss, Edw. A., paper archts., mill engrs., 85 Water, Bo Mass.
Buss, H. & Co., small wares & harmonicas, 434 B'way, York.
Buss Mach. Wks., Holland, Mich.
Busse Brick Co., Covington, Ky.
Busse, Henry, & Co., contrs., Main & Wabash, Pittsburgh
Busselle, Alfred, architect, 347 Madison av, New York.
Bussmann Mfg. Co., enclosed fuses, 3819 N. 23d, St. Louis,
Buswell Paint Co., Oakland, Cal.
Butchart, W. A., concentrating tables, Mercantile Bldg., ver, Cal.
Butcher, Edwin, heddles, Worcester, Mass.
Butcher & Gage, machsts., Jackson, Mich.
Butcher, L. H., Co., glue mfrs., 341 Montgomery, San cisco Cal.
Butcher Polish Co., finishes for floors & other woodwork, 356 Atlantic av, Boston, Mass.
Butcher, Thos., architect, 516 5th av, New York.
Butchers' Advocate Co., trade publication, 1328 B'way, York.
Butcher's Packing Co., meat, 529 Poplar, Cincinnati, Ohio.
Butensky, I., elec. & gas light fixtures, 342 Bowery, New Y
Butke, Robert, contractor, Paxton Bldg., Omaha, Neb.
Butler, A. G., steel stamps, etc., 152 Chambers, New York
Butler Basket Co., Butler, Ind.
Butler Bolt & Rivet Co., Butler, Pa.
Butler Bottle Co., Butler, Ohio.
Butler Brick & Tile Co., Butler, Ind.
Butler & Brittain. See Sloss & Brittain (successors).
Butler Bros., Constr. Co., 228 W. 4th, Los Angeles, Cal.
Butler Bros., wholesale hdwe, Rand bridge, Chicago, Ill.
Butler Bros., contractors, Exchange Bank bldg, St. Paul,
Butler Bros. Piano Mfg. Co., 25 W. McMicken av, Cincinn
Butler Car Wheel Co., Pittsburgh, Pa.
Butler Co., machsts. & fdrs., Butler, Ind.
Butler Constr. Co., Waukesha, Wis.
Butler Cotton Oil Co., cottonseed meal, Albertville, Ala.
Butler-Dietzler Hdw. Co., cornices, Kaukauna, Wis.
Butler Doll Stand Co., Oak Park, Ill.
Butler, E. N., architect, Flint, Mich.
Butler, Edmund F., & Co., plumbers' supplies—jobbers, 80 Boston, Mass.
Butler-Edwards Elec Co., dental engines, etc., Easton,
Butler Engine & Fdry Co., mchsts. & fdrs., Butler, Pa.
Butler, G. T., architect, St. Augustine, Fla.
Butler, Geo., architect, 62 W. 45th, New York.
Butler, Harry, cornices & skylights, Bloomington, Ill.
Butler, Henry, contractor, Long Island City, N. Y.
Butler, J. G., Builders' Supply Co., Savannah, Ga.
Butler, J. W., & Bro., Co., contractors, Amer. Bk. Bld Paul, Minn.
Butler-Kyser Oil & Mfg. Co., Birmingham, Ala.
Butler, Lawrence S., architect, 101 Park av, New Yor
Butler Lumber Co., Belleville, Wash.
Butler Mfg. Co., barrels, pumps & tanks, Kansas City, M
Butler Mfg. Co., music cabinets, 721 N. Clinton, Syracuse,
Butler Mfg. Co., ventilator mfrs., 900 6th av, S. E., Minne Minn., & Indianapolis, Ind.

Marble & Granite Wks., Greenville, S. C.
Philip H., & Co., soapstone laundry tubs, 197 B. S., Bos-
, Mass.
Plating & Mfg. Co., desk lights, 370 Atlantic av, Boston,
ass.
& Rodman, architects, 16 E. 23d, New York.
& Son, machinists, Seneca, Kans.
Stone Co., Sandusky, Ohio.
St. Fdry. & Iron Co., 3422 Normal av, Chicago, Ill.
Thos. & Co., scrap iron & steel, 23 Medford, Boston, Mass.
Thos F., back water traps, Lorain, O.
Victor K., Co., elec. light fix. mfrs., Charles & Centre,
ltimore, Md.
Wm. L., contractor, Beach Haven, N. J.
Wm. P., & Sons, wholsale hdwe., New Bedford, Mass.
W. T., & Son, contrs., Atlanta, Ga.
Wright, architect, Cumberland, Md.
, M. C., contractor, St. Marys, Pa.
Herbert G., models & patterns, 352 Atlantic av, Boston,
ass.
os. A., canned goods, 1111 N. B'way, Baltimore, Md.
Carriage Wks., Butte, Montana.
Engineering & Elec. Co., 530 Folsom, San Fransisco, Cal.
Falls Lbr. Co., Butte Falls, Ore.
Machy. Co., Butte, Montana.
Sewer Pipe & Tile Co., Butte, Mont.
bender, Jonas, cornices, 4154 Lincoln av, Chicago, Ill.
County Canning Co., Monroe, Ohio.
Drawbar Attachment Co., 110 Engineers Bldg., Cleve-
nd, Ohio.
Gustav A., sasr, door & blind mfrs., 603 Mitchell, Mil-
aukee, Wis.
Sam'l, & Co., plumbers' solder, 284 Franklin, Boston,
ass.
Serving Mach. Co., Ins., butter cutting machines, 89
ton, Rochester, N. Y.
field, C. S., Co., lumber, Brookhaven, Miss.
field Canning Co., Muncie, Ind.
field & Co., machsts., Derbyline, Vt.
field Trunk Co., Seattle, Wash.
field, W. M., Co., architects, Manchester, N. H.
field, Wells D., archt., David Whitney Bldg., Detroit, Mich.
s Lbr. Co., Boardman, N. C.
weck, H. A., contractor, Allentown, Pa.
worth, H. W., & Sons Co., textile machy. supplies, etc.,
15 E. York, Philadelphia, Pa.
worth-Judson Corp., chemicals, colors & dyestuffs, 61
way, New York. *See adv index at end of book*
worth & Lowe, machsts. & fdrs., Grand Rapids, Mich.
worth, S. D., architect, Lansing, Mich.
worth Supply Co., plumbers' sundries, 4200 Kensington
, Philadelphia, Pa.
worth, Wm. H., machsts., Trenton, N. J.
nbach, Jos., & Co., meat packers, 336 4th, San Francisco,
l.
-Howell Co., sashes, doors & blinds, New Brunswick, N. J.
Machy. Co., machsts., Hoboken, N. J.
ss, J. A., Machine Wks., Los Angeles, Cal.
ss & McClellan, machy. dlrs., 205 N. Los Angeles, Los
ngeles, Cal.
k Lbr. Co., Waltham, Mass.
l Guano Co., Jackson, Ga.
J. R., Sons Co., contractors, Wheeling, W. Va.
L. P., masons' & bldrs.' matls., Oneonta, N. Y.
& Ordway Co., whol. hdwe., 33 Purchase, Boston, Mass.
Clader, contractors, Allentown, Pa.
Edw. M., lumber, Easton, Pa.
Frederick & Co., sashes, doors & blinds, Allentown, Pa.
Jas. F., & Co., masons' & bldrs.' matls., Allentown, Pa.
er, G. W., & E. E., cornices, Dayton, Ohio.
, Jos., steel scaffold brackets, 935 Scotten, Detroit, Mich.
Lbr. Co., Buxton, Ore.
, W. A., machinery dlr., Worcester, Mass.
Arthur Francis, architect, Nyack, N. Y.
Eugene, & E. Hartwick, architects, 2958 W. Grand
vd, Detroit, Mich.
C. M., & Sons, lbr. mfrs., 626 Wash. av, Phila, Pa.
, E. H., lumber, 71 Kilby, Boston, Mass.
, J. G., & Co., mchsts. & fdrs., 102 High, Boston, Mass.
, Walter J., gas & elec. cooking app., 505 W. 21st, New
rk.
Concrete Co., concrete, York av, Newark, N. J.
Construction Co., 10 S. La Salle, Chicago, Ill.
& Sons, asphalt, 2489 W. 4th, Cleveland, Ohio.
**S, A. M., CO., PIPE & TUBE MILLS, 235 Water,**
ttsburgh, Pa. *See adv on front cover*
Bros. Construction Co., Kalamazoo, Mich.
Clarkson, contractors, 806 Walnut, Philadelphia, Pa.
& Craig, contractors, New Castle, Pa.
John F., Machine Co., auto cranes, hoists & derricks,
2 Sycamore, Ravenna, Ohio. *See adv index at end of*
*ok.*
Robt. S., architect, C. of C. Bldg., Rochester, N. Y.
& Smith, mill & facty. supplies, 105 Haverhill, Boston,
ass.
lle Planing Mill Co., Byesville, Ohio.

Byfield, Chas. H., architect, Law Bldg., Indianapolis, Ind.
Byfield Woolen Co., Byfield, Mass.
By-Products Coke Corp., 332 S. Mich. av, Chicago, Ill.
Byram & Co., mchsts. & fndrs., 435 Guoin, Detroit, Mich.
Byram Fdry Co., grey iron castings, Indianapolis, Ind.
Byrd, Arlie C., & Co., flour mills, Ruddle, W. Va.
Byrd, D. M., flour mills, Franklin, W. Va.
Byrd, J. L., & Co., turpentine, Milltown, Ga.
Byrd, John, metallic window frame & sash, 1427 Catharine, Philadelphia, Pa.
Byrd Lumber Co., Marion, Ind.
Byrd Milling Co., flour, Cane River, N. C.
Byrd, P. A., ties, Little Rock, Ark.
Byrd, R. H. & Co., contrs., Birmingham, Ala.
Byrn Bros., wagon spokes, Brownsville, Tenn.
Byrne Bros., cornices & skylights, Santa Cruz, Cal.
Byrne Bros. Dredging & Engineering Co., 208 S. La Salle, Chicago, Ill.
Byrne, C. E., Piano Co., 231 E. 41st, New York.
Byrne, Edward J., architect, 438 E. 158th, New York.
Byrne, Francis B., architect, 104 S. Michigan av, Chicago, Ill.
Byrne, Frank J., htg. contrs., 1429 E. 7th, Brooklyn, N. Y.
Byrne, Henry, contractor, 392 Mercer, Jersey City, N. J.
Byrne, J. M., Lbr. Co., sash, door & blind mfrs., Kansas City, Mo.
Byrne, Jno., cornices, Pittston, Pa.
Byrne, John B., Inc., contractor, Cambridge, Mass.
Byrne, Jos. T., common brick, 29th & Clearfield, Phila., Pa.
Byrne & Kincanon, canned goods, Lowry, Va.
Byrne, Kingston, & Co., carbureters, spark plugs, wheels, etc., Kokomo, Ind.
Byrne, Peter (Est. of), brick, 20th & Cambria, Philadelphia, Pa.
Byrne-Renfro Lumber Co., Kansas City, Mo.
Byrne, Thos. F., sweaters, etc., Phoenixville, Pa.
Byrne-Turner Co., wood pipe, Bellingham, Wash.
Byrnes Belting Co., 2109 Locust, St. Louis, Mo.
Byrnes, Michael, Bldg. Co., Elizabeth, N. J.
Byrnes, Thos. F., contractor, Utica, N. Y.
Byromville Mfg. Co. See Lester-Ricks Oil Co. (successors).
Byron, Forman & Riggs, Inc., contrs., Cohoes, N. Y.
Byron & Hall, Black Diamond carbons, 116 Broad, New York.
Byron Jackson Iron Works, power pumps & pumping engines, Sharon bldg, San Fransisco, Cal.
*See adv index at end of book*
Byrum Hardware Co., Ensley, Ala.
Bywater & Groo., cornices & skylights, Salt Lake City, Utah.
Byxbee & Clark Co., lumber, Balboa Bldg., San Francisco, Cal.
Cabaret, Paul E., & Co., arch'l bronze fndrs, 126 11th av, New York.
Cabarrus Cotton Mills, Concord, N. C.
Cabble, Wm., Excelsior Wire Mfg. Co., 88 Ainslie, B'klyn, N. Y.
Cabin Creek Consolidated Coal Co., Rayford, W. Va.
Cabin Creek Lbr. Co., Easton, Wash.
Cabinet Mfg. Co., bath cabinets, incubators, etc., Quincy, Ill.
Cable Co., pianos, 301 S. Wabash av, Chicago, Ill.
Cable Excavator Co., Comrl. Tr. Bl., Philadelphia, Pa.
Cable Flax Mills, cords, thread, twine, etc., Schaghticoke, N. Y.
Cable, G. W., Jr., masons' & bldrs.' matls., Fairfield, Ia.
Cable, Howard E., elec. contr., Darien, Conn.
Cable, Hobart M., Co., pianos, La Porte, Ind.
Cable, Max L., 415 N. Western av, Chicago, Ill.
Cable-Nelson Piano Co., 209 S. State, Chicago, Ill.
Cable Piano Co., 137 W. 4th, Cincinnati, Ohio.
Cable & Sons, pianos, 550 W. 38th, New York.
Cable, W. N., masons' & bldrs., matls., 200 5th av, New York.
Cabot, Edwin S. (Est. of), gold leaf, 103 Arch, Boston, Mass.
Cabot, Godfrey L., carbon black, Old South Bldg., Boston, Mass.
Cabot Mfg. Co., cotton sheetings, 70 Kilby, Boston, Mass.
Cabot, Samuel, Inc., mfg. chemists, building specialties, 141 Milk, Boston, Mass.
Cabott, P. M., Co., circular folding machy., 6 Church, New York.
C. A. C. Axe Co., Holbrook, Mass.
Cache Knitting Wks., bathing suits, sweaters, etc., Logan, Utah.
Cadario, L. B., & Sons, contractors, 15 Court sq, Boston, Mass.
Cadden, Michael A., contractor, Scranton, Pa.
Caddo Oil & Refining Co. of Louisiana, Shreveport, La.
Caddo Rapides, Ltd., Lumber Co., Alexandria, La.
Caddo River Lbr. Co., R. A. Long Bldg., Kansas City, Mo.
Caddo Window Glass Co., Shreveport, La.
Caddy Elec. Equip. Co., motors & generators, steam engines, etc., 77 Washington, N., Boston, Mass.
Cade, John R., & Son, sashes, doors & blinds, Guttenberg, N. J.
Caden Stone Co., Evansville, Ind.
Cadillac Can Co., 835 W. 6th, Cincinnati, Ohio.
Cadillac Casket Co., 360 Wabash, Detroit, Mich.
Cadillac Chemical Co., wood alcohol, Cadillac, Mich.
Caddilac Furniture Co., closets, seats, Smith Bldg., Detroit, Mich.
Cadillac Handle Co., Cadillac, Mich.
Cadillac Lumber Co., sash, door & blind, Cadillac, Mich.
Cadillac Machine Co., Cadillac, Mich.
Cadillac Motor Car Co., 1343 Cass av, Detroit, Mich.
Cadillac Plumbing & Heating Co., mill & facty supplies, Cadillac, Mich.
Cadillac Sand & Gravel Co., Nicholas Bldg., Toledo, Ohio.

Cadillac Tool Co., machy. dlrs. & mfrs., 268 Jefferson, Detroit, Mich.
Cadillac Turpentine Co., Cadillac, Mich.
Cadillac Varnish Wks, 31 Eastern pl, Detroit, Mich.
Cadillac Veneer Co., lumber, Cadillac, Mich.
Cadman, A. W., Mfg. Co., brass castings, 2816 Smallman, Pittsburgh, Pa.
Cadoo, John C. W., contractor, Flushing, N. Y.
Cadorette, Mapine, contrs., New Bedford, Mass.
Cadwallader, Dougherty & Co., boot & shoe counters, 113 N. 3rd, Philadelphia, Pa.
Cadwallader, Thos., poultry markers, Salem, Ohio.
Cadwell, Archie B., contractor, New Britain, Conn.
Cadwell Fertilizer Works, Cadwell, Ga.
Cadwell-Vernon Co., tel. cabinet wk., Jamestown, N. Y.
Cady, A. J., machy dlrs. & mill & facty supplies, Troy, N. Y.
Cady, C. N., Co., machsts. & fndrs., Canastota, N. Y.
Cady, Geo. L., & Sons, machsts., mill supplies, lbr., Lowell, Mass.
Cady, Geo. S., & Son, farm wagons, Moravia, N. Y.
Cady & Gregory, architects, 40 W. 32d, New York.
Cady, H. F., Lumber Co., Omaha, Neb.
Cady, Jeremiah Kiersted, architect, 179 W. Washington, Chicago, Ill.
Cady, John Hutchins, architect, Hospital Trust bldg, Providence, R. I.
Cady, Jno. N., architect, Summit, N. J.
Cady Mach. Co., Cleveland, Ohio.
Cady Mfg. Co., wood handles & turnings, Auburn, N. Y.
Cady, W. M., Lumber Co., McNary, La.
Caffery, J. H., carriages, 1712 Fairmount, Philadelphia, Pa.
Caffrey, Patrick, contrs., Springfield, Ohio.
Caflisch Lbr. Co., Albright, W. Va.
Cahaba River Lbr. Co., Brent, Ala.
Cahalane, Daniel J., contractor, New Brighton, N. Y.
Cahill & Co., carriages, Wilmington, Del.
Cahill, Edward, venetian blinds, 440 W. 42d, New York.
Cahill Iron Works, machsts. & fndrs., Chattanooga, Tenn.
Cahill, J. H., contractor, Louisville, Ky.
Cahill, Jos. P., corn brooms, 820 W. 51st pl, Chicago, Ill.
**CAHILL, M. F.,** brass, iron & steel, ferrules, mfrs., 710 E. 2nd, Boston, Mass. *See adv index at end of book.*
Cahill, P. J., machinist, Leeds, Mass.
Cahill-Swift Mfg. Co., plumbers' supplies, jobbers, 1112 Market, St. Louis, Mo.
Cahill & Vensano Co., contrs., 110 Sutter, San Francisco, Cal.
Cahill, W. S., Co., machinists, Key Highway & Webster, Baltimore, Md.
Cahn Forster Elec. Co., motors & washing machy., 209 15th, Denver, Colo.
Cahn, Hugo, & Co., cork mfrs., 257 W. 17th, New York.
Cahoon & Hudgins, contractors, Norfolk, Va.
Caiazzo, C., contractors, 6441 Dean, Pittsburgh, Pa.
Caille Bros. Co., vending machines & machsts. & fndrs., 2d & Amsterdam av, Detroit, Mich.
Caille Perfection Motor Co., 2d & Amsterdam, Detroit, Mich.
Cain Construction Co., Gary, Ind.
Cain-Grimshaw Co., masons' & bldrs.' matls., Bellingham, Wash.
Cain, H., cornices, Connersville, Ind.
Cain Mach. Co., East Liverpool, Ohio.
Cain, Milo, cornices, Kokomo, Ind.
Cain-O'Berry Boiler Co., Orlando, Fla.
Caine, Chas. W., masons' & bldrs.' matls., Cleves, Ohio.
Caine, John J., iron scrap, N. American Bldg., Philadelphia, Pa.
Caine Stone Co., Warner rd. & C. & P. Ry., Cleveland, Ohio.
Caird Engineering Wks., Helena, Mont.
Cairns, Bayard S., architect, Scimitar Bldg., Memphis, Tenn.
Cairns & Bro., fire trumpets, 186 Lafayette, New York.
Cairns, Jno., architect, Dreka Bldg., De Land, Florida.
Cairo Milling Co., flour, Cairo, W. Va.
Cairo Thread Works, 105 Wooster, New York.
Cairo Wood Products Co., contrs., etc., 11 S. La Salle, Chicago, Ill.
Cake, Chas. W., lbr., Norfolk, Va.
Calafati, Salvator S., architect, 224 Main, New Rochelle, N. Y.
Calahane, Jas. P., contractor, Jamestown, N. Y.
Calander, Jno., Mfg. Co., ladders, 629 Jackson, St. Paul, Minn.
Calcasieu Long Leaf Lumber Co., Lake Charles, La.
Calcasieu Lumber Co., Austin, Tex.
Calcite Quarry Co., stone producers, Annville, Pa.
Calcium Light Advtg. Co., advtg. spec., Newburgh, N. Y.
Calco Chemical Co., aniline colors, dyes, etc., Bound Brook, N. J.
Calculagraph Co., time recorders, etc., 30 Church, New York.
Calculator Corpn., calculating machines, 4th Nat. Bank Bldg, Grand Rapids, Mich.
Calcutt, N. W., Co., cooperage stock, Dyersburg, Tenn.
Caldabaugh Bros., cornices, Wheeling, W. Va.
Caldbeck-Cosgrove Corp., masons' & bldrs.' matls., St. Johnsbury, Vt.
Calder, Geo. H., emery wheel cutters, mfrs., Lancaster, Pa.
Calder, Robt., Co., cornices, 86 Exch., Rochester, N. Y.
Calder, Wm. M., contractor, 1648 11th av, Brooklyn, N. Y.
Caldwell, B. F., cornices & skylights, Pomona, Cal.
Caldwell, Chas. H., architect, 101 Park av, New York.
Caldwell & Drake Iron Works, Columbus, Ind.
Caldwell, Edward B., jr., architect, First Bridgeport Bk. Bldg., Bridgeport, Conn.



Caldwell, E. H., & Son, machy. dealers, Corpus Christi, Tex.
Caldwell, E. R., & Co., machsts. & fndrs., Bradford, Pa.
Caldwell, E. R., & Son Brass Co., fndry, Syracuse, N. Y.
Caldwell, Edw. F., & Co., elec. & gas light fixtures, 38 W. 15t New York.
Caldwell Elec. Corp., Champaign, Ill.
Caldwell, Francis G., architect, Stephen Girard Bldg., Phila.,
Caldwell, H. W., & Son Co., power transmitting machinery mill & facty. supplies, 17th & Western av, Chicago, Ill.
Caldwell & Sons, Iseminger Co., contrs. & sash, door & bl mfrs., Middletown, Ohio.
Caldwell, J. D., Co., machy. dlrs., Oregonian Bldg., Portla Ore.
Caldwell, Jos. S., filing cabinets & devices, Syracuse, N. Y.
Caldwell Lbr. Co., Metcalf, Ga.
Caldwell Lumber Co., Oil City, Pa.
Caldwell Mfg. Co., sash balances, etc., Rochester, N. Y.
Caldwell Milling Co., flour, Caldwell, Kan.
Caldwell Oil Mill Co., meal, Caldwell, Tex.
Caldwell, R. J., Co., felts, 13 Park Row, New York.
Caldwell, S. J., R. R. ties, Plain Dealing, La.
Caldwell, W. E., Co., mill & facty. supp., tanks, towers, wi mills, pumps, engines, power transmittting, machy., et Louisville, Ky.
Caldwell, Walter G., architect, Williamson Bldg., Cleveland,
Caldwell & Ward Brass Co., machsts. & fndrs., Syracuse, N.
Caldwell-Watson Fdry. & Mach. Co., Birmingham, Ala.
Calebaugh Self-Lubricating Carbon Co., carbon brushes, 15 Columbia av, Philadelphia, Pa.
Caledonia Bean Harvesting Wks., Caledonia, N. Y.
Caledonia Chemical Co., Caledonia, N. Y.
Caledonia Wagon & Iron Works, Caledonia, Minn.
Calendar Spec. Co., advtg. novelties, 113 South, New York.
Calhoun, Chas. L., architect, 16 E. 33rd, New York.
Calhoun, D. A., & Co., contractors, 52 Vanderbilt av, New Yo
Calhoun Foundry Co., Anniston, Ala.
Calhoun Gas Co., gas retort carbons, Battle Creek, Mich.
Calhoun & Miller, contractors, 6200 Penn av, Pittsburgh, Pa
Calhoun Mills, cotton sheetings, Calhoun Falls, S. C.
Calhoun Pattern Fdry. & Mach. Co., Houston, Tex.
Calhoun Roller Mills, flour, Calhoun, Ga.
Calhoun Timber Co., Port St. Joe, Fla.
Cal. Artistic Metal & Wire Co., 349 7th, San Francisco, Cal.
Cal. Auto Top Co., 1019 Van Ness, San Francisco, Cal.
Cal. Barrel Co., 433 California, San Francisco, Cal.
Cal. Bellows Works, 416 Harriet, San Francisco, Cal.
Cal. Belting Co., 1459 Mission, San Francisco, Cal.
Cal. Boiler Works, 526 Howard, San Francisco, Cal.
Cal. Brass Wks. (Kingwell Bros.), castings & bell fndrs., Natoma, San Francisco, Cal.
Cal. Brick Co., 110 Jessie, San Francisco, Cal.
Cal. Brick Co., Niles, Cal.
Cal. Bldg. Material Co., sand & stone, New Castle bldg, Francisco, Cal.
Cal. Burdett Oxygen Co., 52nd & Santa Fe av, Los Ange Cal.
Cal. Canneries Co., 600 Minnesota, San Francisco, Cal.
Cal. Card Mfg. Co., photographic mountings, Potrero av, M posa, San Francisco, Cal.
Cal. Casket Co., 959 Mission, San Francisco, Cal.
Cal. Citrus Products Co., 850 42nd av, Oakland, Cal.
Cal. Construction Co., 74 N. Montgomery, San Francisco, Cal
Cal. Cornice Wks., Los Angeles, Cal.
Cal. Corr. Culvert Co., culverts, flumes, tanks, signs, e Berkeley & Los Angeles, Cal.
Cal. Cotton Mills Co., twine, etc., Oakland, Cal.
Cal. Cut Glass Mfg. Co., Pasadena, Cal.
Cal. Cut Stone Co., 2136 S. Sawyer av, Chicago, Ill.
Cal. Door Co., 43 Main, San Francisco, Cal.
Cal. Envelope Co., 31 Minna, San Francisco, Cal.
Cal. Exterminating Co., Inc., janitors' supplies, insecticid disinfectants, polishes, etc., 121 Manhattan, New York.
Cal. Fertilizer Wks., 1332 Evans av, San Francisco, Cal.
Cal. Fire Proof Door Co., 1931 S. Los Angeles, Los Ange Cal.
Cal. Fixture Co., 1422 So. Main, Los Angeles, Cal.
Cal. Fdry. & Mach. Co., California, Pa.
Cal. Fresno Oil Co., Fresno, Cal.
Cal. Fruit Canners' Assn., 101 California, San Francisco,
Cal. Gear Works, 2132 Folsom, San Francisco, Cal.
Cal. Glue Wks., Fairfax av & Rankin, San Francisco, Cal.
Cal. Granite Co., Rocklin, Cal.
Cal. Hardware Co., 500 E. 1st, Los Angeles, Cal.
Cal. & Hawaiian Sugar Refining Co., 230 Cal., San Fran., C
Cal. Hydraulic Engineering & Supply Co., 70 Fremont, Francisco, Cal.
Cal. Ink Co., 33 Clementina, San Francisco, Cal.
Cal. Iron Works, Riverside, Cal.
Cal. Iron Works, San Diego, Cal.
Cal. Iron Yards Co., scrap iron, 554 Bryant, San Fransi Cal.
Cal. Mach. Wks., California, Mo.
Cal. Mfg. Co., sash, dor & blind mfrs., 2243 S. Troy, Chicago,
Cal. Metal Enam. Co., enam. iron signs, Los Angeles, Cal.
Cal. Mill Co., sashes, doors & blinds, 645 Bryant, San Fran.,

ational Supply Co., oil well supplies, 147 N. Los Angeles,
os Angeles, Cal.
otion & Toy Co., 555 Market, San Francisco, Cal.
regon Lumber Co., 112 Market, San Francisco, Cal.
re Testing Co., 630 Sacramento, San Francisco, Cal.
rnamental Iron Wks., Los Angeles, Cal.
aint Co., 1797 12th, Oakland, Cal.
erforating Screen Co., 416 Harrison, San Francisco, Cal.
ine Box & Lumber Co., 1st Natl. Bk. Bldg., San Fran., Cal.
laning Mill & Lbr. Co., Los Angeles, Cal.
ole & Piling Co., wood cross arms, San Francisco, Cal.
olytechnic School, engng. schools & coll., San Luis Obispo,
al.
ortland Cement Co., 257 S. Spring, Los Angeles, Cal.
ottery Co., 12th & Otis, San Francisco, Cal.
ressed Brick Co., Niles, Cal.
urity Paper Bottle Co., Sacramento, Cal.
edwood Assn., lbr. Exposition Bldg., San Fransisco, Cal.
ipe Olive Co., canned, 24 California, San Francisco, Cal.
alt Co., Mills Bldg., San Francisco, Cal.
aw Wks., 721 Brannan, San Francisco, Cal.
cagliola Co., artificial marble, San Francisco, Cal.
chool of Mechanical Arts, engng. schools & coll., Folsom
26th, San Francisco, Cal.
hade Cloth Co., 2181 Bryant, San Francisco, Cal.
hipbuilding Co., Long Beach, Cal.
how Case Co., Los Angeles, Cal.
oap Co., 2437 E. 9th, Los Angeles, Cal.
oap Co., Oakland, Cal.
team & Plumbing Supply Co., 671 5th, San Fran., Cal.
teel Co., Inc., steel structural wk., Hobart Bldg., San
rancisco, Cal.
ugar & White Pine Co., 1st National Bank Bldg., San
rancisco, Cal.
allow Works, 214 Front, San Francisco, Cal.
anning Co., 1905 Shenandoah av, St. Louis, Mo.
imber Co., Boulder Creek, Cal.
ool Works, 181 Beale, San Francisco, Cal.
Yell Tool & Mach. Wks., machsts, Los Angeles, Cal.
Wire Cloth Co., 587 Mission, San Francisco, Cal.
Woolen Mfg. Co., woolen blankets & flannels, California, Mo.
a Canning Co., Los Angeles, Cal.
s Co., machinery, 934 S. Main, Los Angeles, Cal.
s, Milford, lumber mfr., Brant, N. Y.
s & Pearce, gas heaters, 751 E. Long, Columbus, Ohio.
ros. Hardware Co., Pikeville, Ky.
Clarence, insulator pins & brackets, N. Wilkesboro, N. C.
Geo. & Co., stone, L. I. City, N. Y.
Watt Co., agricultural implements, Richmond, Va.
han, J., & Son, fire doors, Cleveland, Ohio.
han & Laubacher Mach. Co., Canton, Ohio.
han Machine & Die Co., Canton, Ohio.
an Constr. Co., Knoxville, Tenn.
an Constr. Co., Omaha, Neb.
an Constr. Co., Dallas, Tex.
an, Cornelius, Co., Siamese connectors, couplings, etc., 127
urchase, Boston, Mass.
an, J. W., & Son, heating contr., steam fitters' supplies,
Worcester, Mass.
an Lumber Co., Ltd., Midland, La.
an, M. J., architect, Panama Bldg., Portland, Ore.
an, Michael J., btg. contrs., 343 W. 52d, New York.
an & Schock, contractors, Indiana Harbor, Ind.
an, Timothy E., granite, Montpelier, Vt.
an, W. P., Co., gas & gasoline engines, oil mill mchy.,
c., Dayton, Ohio.
an, Wm., granite, Quincy, Mass.
n, John, & Co., masons' & bldrs.' matls., Kenton, Ohio.
n Mills, flour mills, Saginaw, Mich.
an, Geo., & Co., mill & facty. supplies, 218 Front, New
ork.
an, Martin, glass stainers, 421 N. 19th, Philadelphia, Pa.
der, G. F., & Son, masons' & bldrs.' matls., Painesville, O.
way, C. M., Lumber Co., Huntington, W. Va.
way Hardware Co., Fulton, Mo.
way, Wm. E., shoe blacking & polishes, 61 Wilkinson av,
ersey City, N. J.
y, W. W., & Co., Pittsburgh, Pa.
on, C. A., machinery dealer, 50 Church, New York.
Lumber Co., Fresno, Cal.
an, A. H., & Co., contrs., 1001 E. Main, Richmond, Va.
A. C., architect, Pittsburg, Kan.
& Callis, architects, 2055 Kennedy av, Baltimore, Md.
D. Millard, naval architect, Munsey Bldg., Baltimore, Md.
Geo. R., Jr., architect, Melvin av, Baltimore, Md.
hone Co. of N. Y., loud speaking telephones, 151 Grand,
ew York.
sus & Rhodes, metallic packings, Shreveport, La.
n, Emil, & Co., paints, enamels, varnishes, etc., 100 Wil
am, New York.
r Mfg. Co., glass, Calmar, Ia.
n, T. C., contractor, Anaconda, Mont.
C. H., hardware mfr., Plainville, Conn.
c Co., electric stoves & elec. cooking app., Janesville, Wis.
c Furnace Co., 1531 Locust, Phila., Pa.
Glass Wks., homeopathic vials, 460 E. Ohio, Chicago, Ill.

Calumet Brick Co., 111 W. Washington, Chicago, Ill.
Calumet Coal & Teaming Co., 9022 Commercial av, Chicago, Ill.
Calumet Concrete Construction Co., 100 W. 115th, Chicago, Ill.
Calumet Fdry. Equipment Co., Harvey, Ill.
Calumet & Hecla Mining Co., copper refiners, etc., Calumet, Mich.
Calumet Iron Wks., steel structural work, 3 Hyatt av, Newark, N. J. *See adv. index at end of book.*
Calumet Steel Co., rolling & steel structural tubing mills, etc., 208 S. La Salle, Chicago, Ill.
Calumet Supply Co., mill & facty. supplies, Gary, Ind.
Calvano, S., Iron Wks., West Hoboken, N. J.
Calvert Aniline & Chemical Co., 28 W. 3d, Cincinnati, Ohio.
Calvert Hdwe. Co., Gary, Ind.
Calvert Mach. Co., 1606 Thames, Baltimore, Md.
Calvert Mortar Color Works, Warner & Wooster, Baltimore, Md.
Calvert Stove & Htg. Co., 512 S. Chester, Baltimore, Md.
Calvert's, J., Sons, masons' & bldrs.' matls., McGraw bldg, Detroit, Mich.
Calvet, Pablo & Co., crude rubber, ivory nuts, 99 Water, New York.
Cambre Bros., sashes, doors & blinds, Jackson, Miss.
Cambria Canning Co., Cambria, Wis.
Cambria Collieries Co. (The), Toledo, Ohio.
Cambria Fertilizer Co., Johnstown, Pa.
Cambria Junk Co., scrap iron, Johnstown, Pa.
Cambria Paint & Color Co. (Ltd.), Johnstown, Pa.
Cambria Spring Co., auto. springs, Los Angeles, Cal.
Cambria Steel Co., Widener Bldg., Philadelphia, Pa.
Cambrian Limestone Co., Wampum, Pa.
Cambridge Brass Co., elec. fixtures, 50 Sudbury, Boston, Mass.
Cambridge City Casket Co., Cambridge City, Ind.
Cambridge Collieries Co., Rockefeller bldg, Cleveland, Ohio.
Cambridge Cornice & Sheet Metal Wks., 16 E. Dedham, Boston, Mass.
Cambridge Glass Co., Cambridge, Ohio.
Cambridge Iron Wks., Cambridge, Mass.
Cambridge Mfg. Co., lbr., Cambridge, Md.
Cambridge Milling Co., flour, Cambridge, Neb.
Cambridge Packing Co., canned goods, Cambridge, Ia.
Cambridge Plumbing Supply Co., Cambridge, Mass.
Cambridge Roofing Co., Cambridge, Ohio.
Cambridge Slate Co., roofing slate mfrs., Slatington, Pa.
Cambridge Starch Co., Cambridge, Minn.
Cambridge Tile Mfg. Co., Covington, Ky.
Camden Anchor-Rockland Mach. Co., Camden, Me.
Camden Boiler Wks., Inc., asphalt & oil boiling kettles, Welaware River & 26th, Camden, N. J.
Camden Canning Co., Camden, Ohio.
Camden Chem. Mfg. Co., auto. soaps, cements, etc., 1800 Mickle, Camden, N. J.
Camden City Glass Co., Camden, N. J.
Camden Coke Co., toluol, Camden, N. J.
Camden Cotton Oil Co., Camden, Ala.
Camden Copper Works, Inc., pans, evaporators, 559 S. 2nd, Camden, N. J.
Camden Elbow Co., elbows & shoes, conductor pipe, Camden, N. J.
Camden Forge Co., fndrs., Camden, N. J.
Camden Fndry. Co., machsts., Camden, N. J.
Camden Heating Co., Camden, N. J.
Camden Iron Wks. See Roanoke Iron & Bridge Co. (successors).
Camden Lime Co., Camden, N. J.
Camden Lumber Co., Brunswick, Ga.
Camden Lumber Co., Camden, Me.
Camden Packing Co., canned goods, Camden, N. Y.
Camden Pottery Co., Camden, N. J.
Camden Yacht Bldg. & Ry. Co., Camden, Me.
Came, J. E., Co., billiard tables, 114 Sudbury, Boston, Mass.
Camel Co., car doors, 332 S. Michigan av, Chicago, Ill.
Camenisch, John, cornices, La Salle, Ill.
Cameragraph Co., machsts., 906 Baltimore av, Kansas City, Mo.
Cameron, A., lbr., Vass, N. C.
Cameron, A. B., Piano Co., 267 E. 133d, New York.
Cameron, A. S., Steam Pump Works, Bowling Green Bldg., New York. *See adv index at end of book.*
Cameron Appliance Co., connectors, expansion bolts, testing clamps, etc., 48 Waters av, Everett, Mass.
Cameron & Barkley Co., mill & facty. & plumbers' supplies—jobbers, Charleston, S. C.
Cameron Bros., mattresses, 822 Federal, Pittsburg, Pa.
Cameron Clay Products Co., Cameron & Emporium, Pa.
Cameron Can Machy Co., 240 N. Ashland av, Chicago, Ill.
Cameron & Co., contractors, Ryan Bldg., St. Paul, Minn.
Cameron-Davant Co., mill & facty. supplies, Houston, Tex.
Cameron & Disston, contractors, Hearst Bldg., San Fran., Cal.
Cameron Elec'l Mfg. Co., armatures, commutators, etc., Ansonia, Conn.
Cameron, G. V. & F. W., plate glass, 284 Central av, Albany, N. Y.
Cameron Glass Co., lamp chimneys, globes & shades, Cameron, W. Va.
Cameron, H. C., lbr., Olivia, N. C.
Cameron, J. D., & Son Co., lbr. mfrs., Mobile, Ala.
Cameron, J. E., packing box mfr., Golden Dale, Wash.
Cameron, James L., architect, 10406 Euclid av, Cleveland, Ohio.

Cameron, Joe T., flour mills, Washburn, Tenn.
Cameron, Joyce & Co., contractors, Keokuk, Ia.
Cameron Lbr. Co., Long Bldg., Kansas City, Mo.
Cameron Machine Co., paper slitting & rewinding & fabric cutting Machines, etc., 61 Poplar, Brooklyn, N. Y.
*See adv index at end of book.*
Cameron Oil Mill, meal, Cameron, S. C.
Cameron Picture Mach. Co., searchlights, Brooklyn, N. Y.
Cameron Powder Mfg. Co., Emporium, Pa.
Cameron Refining Co., gasoline, kerosene, naptha, gas & fuel oils, Ardmore, Okla.
Cameron, R. H., architect, State Bk. & Tr. Bldg., San Antonio, Tex.
Cameron, R. W., & Co., varnish gum imp., 23 So. William, New York.
Cameron, Schroth Co., steam fitters' supplies, 415 Rush, Chicago, Ill.
Cameron Septic Tank Co., Monadnock blk., Chicago, Ill.
Cameron Stove Co., iron forgings, Richmond, Va.
Cameron-Taylor Lbr. Co., Bull Run, Ore.
Cameron Tool Co., machsts. & fndrs., Cameron, W. Va.
Cameron, W. J., Co., contrs., 106 N. La Salle, Chicago, Ill.
Cameron, W. L., Co., buttons, 507 W. 50th, New York.
Cameron Wire Wheel Co., 47 Adelaide, Detroit, Mich.
Cameron's, Jas., Sons, contrs. & masons' & bldrs.' matls., Keokuk, Ia.
Camillus Cutlery Co., Camillus, N. Y.
Camm, Geo. E. & Son, machinist, Johnstown, N. Y.
Camm & Hedges Co., sashes, doors & blinds, Petaluma, Cal.
Cammerer, H., & Son, cornices, Nashville, Tenn.
Camp Bros. & Co., agrlt. implts., portable elevators, washing machy., etc., Washington, Ill.
Camp Co., elec. hair dryers, La Crosse, Wis.
Camp Conduit Co., 306 Marshall Bldg., Cleveland, Ohio.
Camp & Du Puy, architects, 426 E. Alder, Portland, Ore.
Camp, E. N., & Sons Co., agricultural implements, Moreland, Ga.
Camp Glass Co., window, Huntington, W. Va.
Camp, H. B., Co., underground conduits, Fulton Bldg., Pittsburgh, Pa.
Camp, H. W., Co., fertilizer, Moreland, Ga.
Camp, Harry E., petroleum, Bradford, Pa.
Camp, J. M., carriages, Lincoln, Neb.
Camp, L. W., Co., brick, Akron, Ohio.
Camp Machine Shop, Atlanta, Ga.
Camp Mfg. Co., lumber, Franklin, Va.
Camp Spring Mill Co., flour, Nashville, Ill.
Campbell, A. D., fertilizer mfr., Chipley, Fla.
Campbell, A. S., Co., elec. lamps, lighting systems, etc., 276 Commercial, Boston, Mass.
**Campbell, Alden W., architect, 34th J., Sacramento, Cal.**
**Campbell, Andrew C., spring cotters & keys, Waterbury, Conn.**
**Campbell Architectural & Iron Co., Albany, N. Y.**
Campbell-Bosworth Mach. Co., 205 Lincoln, Boston, Mass.
Campbell Bros., contractors, Santa Fe, N. M.
Campbell Bros. Co., contractors, Youngstown, Ohio.
Campbell Bros. Co., meat packers, Danville, Ill.
Campbell Bros. Mfg. Co., agricultural implements, Harrison, O.
Campbell Building Co., Newhouse Bldg., Salt Lake City, Utah.
Campbell, C. M., & Sons, masons' & bldrs.' matls., Temple, Tex.
Campbell, C. W., industrial chemicals, 11 Cliff, New York.
Campbell, Christopher, Inc., contractor, 286 5th av, New York.
Campbell & Clute Mach. Co., Cohoes, N. Y.
Campbell & Dann Mfg. Co., rims & felloes, carriage & wagon wheels, Tullahoma, Tenn.
Campbell & Dempsey Co., contractors, Kingston, N. Y.
Campbell, E. D., flour mills, Milford Square, Pa.
Campbell Electric Co., X-ray & electro-medical apparatus, automatic time switches, low voltage, etc., 17 Stewart, Lynn, Mass.
Campbell Fibre Co., Stanton, Del.
Campbell Glass & Paint Co., 816 N. 7th, St. Louis, Mo.
Campbell, H. L., Constr. Co., Hazleton, Pa.
Campbell Hardware Co., Seattle, Wash.
Campbell & Hartman, contractors, Portland, Ore.
Campbell Heating Co., Des Moines, Ia.
Campbell & Horigan, modelers & sculptors, 4718 Penn, Pittsburgh, Pa.
Campbell, Hugh, & Son, contractors, Bay City, Mich.
Campbell Iron Co., 821 Cass av, bet. 8th & 9th, St. Louis, Mo.
Campbell, J. B., brass works, Erie, Pa.
Campbell, J., Co., canned goods, Camden, N. J.
Campbell, J. E., sash, door & blind, Humboldt, Tenn.
Campbell, J. G. & W., whol. hdwe. & mill & facty. supplies, Butler, Pa.
Campbell, J. M., cooperage stock, Caldwell, Ark.
Campbell, J. M., lubrg. oils & greases, 54 2d, Milwaukee, Wis.
Campbell, Jas. F., & Son, machsts.; file & rasp mfrs., 13 Frost, Brooklyn, N. Y.
Campbell, Jas. I., architect, Woodycrest av & 163d, New York.
Campbell, Jas. N., Co., architects, Penn Bldg., Pittsburgh, Pa.
Campbell, John, & Co., aniline colors, 75 Hudson, New York.
Campbell, John F., contractor, 2440 16th, San Francisco, Cal.
Campbell & Kelly, Inc., machts. & fndrs., Tonopah, Nev.
Campbell & Keppen, clothes pins, Lamont, N. Y.
Campbell, L. G., Milling Co., flour, Northfield, Minn.
Campbell, Lewis, pipe supplies, Boyerstown, Pa.



Campbell & Lewis, consulting htg. engineers, Watertown, N. Y
Campbell Lumber & Mfg. Co., Hoag nr. Dorr, Toledo, Ohio.
Campbell, M. R., rims & felloes, carriage & wagon, Tullahon Tenn.
**CAMPBELL MACHINE CO.**, San Diego, Cal.
Campbell Machy. Co., 35 W. 39th, New York.
Campbell, Manson & Sons Co., Ltd., agricultural implemen 45 Federal, Detroit, Mich.
Campbell Mill Co., lbr., Redmond, Wash.
Campbell, Moore Lbr. Co., Glacier, Wash.
Campbell & Morgan, contrs., Appleton, Wis.
Campbell, Morrell & Co., masons' & bldrs.' matls., Passaic, N.
Campbell Motor Car Co., Kingston, N. Y.
Campbell Napoleon, lbr., 2453 W. 54th, Seattle, Wash.
Campbell, O. A., contractors' tents, 1252 W. 24th, Los Angel Cal.
**CAMPBELL, P. D. & CO.**, chemicals, minerals & woodflo etc., 401 E. 36th, New York.
Campbell Paper Box Co., South Bend, Ind.
Campbell, Peter F., machinist, 51 Laurel, Philadelphia, Pa.
Campbell & Price, contrs., Oklahoma, Okla.
Campbell Redwood Lbr. Co., Pescadero, Cal.
Campbell, Robert B. Co., mill & facty. supplies, 6 Beacon, Ma
Campbell, S. K., Co., agricultural implements, Central Brid N. Y.
Campbell, Shiras, architect, 103 Park av, New York.
Campbell & Smiley, heating contr., 30 Church, New York.
Campbell-Smith-Ritchie Co., sash, door & blind, Lebanon, Ind
Campbell Supply Co., mill & facty. & plumbers' supplies—jobb 570 Columbus av, New York.
Campbell, T. J., machy. dlrs., 974 Beach, Philadelphia, Pa.
Campbell, Thos. E., & Co., cut glassware, 42 S. 8th, Brookl N. Y.
Campbell, Thos. M., architect, Augusta, Ga.
Campbell, W. A., architect, Cutler Bldg., Rochester, N. Y.
Campbell, W. H., contractor, Ithaca, N. Y.
Campbell, W. J., Lbr. Co. (Ltd.), Oshkosh, Wis.
Campbell, W. M., flour mills, Gillham, Ark.
Campbell, W. S., cornices & skylights, Carrollton, Ga.
Campbell & Wall., contractors, Troy, N. Y.
Campbell, Walter M., pen archl. water colorists, 8 Beacon, I ton, Mass.
Campbell, Wm., contractor, Troy, N. Y.
Campbell, Wm., Co., fireless cookers, 160 Merritt, Detroit, M
Campbell, Wm., Wall Paper Co., Hackensack, N. J.
Campbell Wire Specialty Wks., South Bend, Ind.
*See adv. index at end of book.*
Campbell, Wyant & Cannon Fdry. Co., Muskegon, Mich.
Campbellsville Canning Co., Campbellsville, Ky.
Campbellsville Lumber Co., Campbellsville, Ky.
Campbellsville Mfg. Co., woolen blankets, Campbellsville, Ky
Campen Co., contractors, Omaha Natl. Bk. Bldg., Omaha,
Campen, Sam'l. M., lumber, Alliance, N. C.
Campf, Ralph, contractor, Paterson, N. J.
Campfield, Raggle, Black Co., Colonial Bldg., Richmond, Ind.
Campo, B., mason, Stafford Springs, Conn.
Campobello Oil Mills, meal, Campobello, S. C.
Campville Brick Co., Campville, Fla.
Canadian-Am. Cereal Products Co., Produce Exch., New Yor
Canadian-Am. Lumber Co., Spokane, Wash.
Canadian Knitting Mills, sweaters, cardigans, etc., 86 Mese Brooklyn, N. Y.
Canadian-Leonard Const. Co., 332 So. Michigan av, Chicago,
Canadian Mill & Elevator Co., El Reno, Okla.
Canady-Blaisdell Corp., fuel economizers, 90 West, New Y
Canal Construction Co., 189 W. Madison, Chicago, Ill.
Canal Lumber Co., wood pipe, Seattle, Wash.
Canal Lbr. Co., Benmore, Miss.
Canal Mfg. Co., sash, door & blind, Seattle, Wash.
Canan Building Supply Co., Altoona, Pa.
Canan-Knox Supply Co., masons' & bldrs.' matls., Altoona, P
Canandaigua Kraut Co., canned, Canandaigua, N. Y.
Canasawacta Knitting Co., bathing suit mfrs., Sherburne, N.
Canastota Canning Co., Canastota, N. Y.
Canby, Hy. M., lbr., Wilmington, Del.
Cancos Mfg. Co., packing, Garden & Bridge, Philadelphia, Pa
Canda, M. M., masons' & bldrs.' matls., 184 3d, Brooklyn, N.
Candee Incubator & Brooder Co., Eastwood, N. Y.
Candee, Smith & Howland Co., masons' & bldrs.' matls., ft 26th, New York.
Candela, Rosario, archit., 120 E. 101st, New York.
Candelaria Fowler Timber Co., Arboles, Colo.
Candelet, J. E., & Co., contractors, 10 Warrington, Providence, R. I.
Candler Dock & Dredge Co., Moffat Bldg., Detroit, Mich.
Candler, Duncan, architect, 105 W. 40th, New York.
Candler Elec. Lamp Co., 34 W. 37th, New York.
Candler, Geo. V., Co., cornices & port. fireproof garages, Jefferson av, Detroit, Mich.
Candler, J. D., Roofing Co., cornices, 179 High, E. Detroit, Mich.
Candler Radiator Co., 1084 Jefferson, E., Detroit, Mich.
Candler, Robt., Co., cornices & skylights, 963 Beaubien, Detroit, Mich.
Cando Implement Co., machsts. & fndrs., Cando, N. D.
Candor Blanket Co., Candor, N. Y.
Candvo & Grizzello, contrs., Toronto, O.

y & Co., beeswax, insulating compounds, etc., 403 N. Paulina, Chicago, Ill.
y & Nut Machine Co., Toledo, Ohio.
Valley Mill Co., Cane Valley, Ky.
, W. H. & F. W., contractors, 233 B'way, New York.
dy-Otto Mfg. Co., machsts. & fndrs., portable forges, Chicago Heights, Ill.
eld, Alfred, billiard tables, 199 Market, Newark, N. J.
eld, Chas., architect, Arlington, Vt.
eld, D. H., architect, Middletown, N. Y.
eld Gas Engine Co., Binghamton, N. Y.
eld, H. C., lawn swings, Batesville, Ind.
eld, H. O., Co., plumbers' rubber goods, Bridgeport, Conn.
eld, Lee, Lumber Co., Cedar Rapids, Ia.
eld Lumber Co., Waterloo, Ia.
eld Mfg. & Novelty Co., handles (wood), Canfield, Ohio.
eld, M. C., Sons Co., babbitt & solder, 93 Wilsey, Newark, N. J.
eld Oil Co., oils, wax, greases, varnishes, etc., 3210 E. 55th, Cleveland, Ohio.
eld Rubber Co., Bridgeport, Conn.
eld Supply Co., plumbers' supplies—jobbers, Kingston, N. Y.
am, Victor H. & Co., garment hangers, Buffalo, N. Y.
ter Co. of N. Jersey, cans, cases, lacquering, etc., Broad, Phillipsburg, N. J.
& Corrubia, architects, Central Nat. Bk. Bldg., St. Louis, Mo.
& Saul Steel Co., pipe straps, hangers, & iron & steel forgings, 516 Commerce, Philadelphia, Pa.
ella, Chas. P., architect, 60 Graham av, Brooklyn, N. Y.
elton Coal & Coke Co., Cannelton, W. Va.
elton Planing Mill Co., sashes, doors & blinds, Cannelton, Ind.
elton Sewer Pipe Co., Cannelton, Ind.
elton Stoneware & Pottery Co., Cannelton, Ind.
iff, W. C., & Co., granite, Quincy, Mass.
ing Trade, publications, State Bk. of Md. Bldg., Baltimore, Md.
on Die Tool & Machine Co., 86 W. Lynn, Columbus, Ohio.
on, E. W., architect, Central Bk. Bldg., Oakland, Cal.
on Falls Canning Co., Cannon Falls, Minn.
on, Fermor, architect, 21 Virginia av, Indianapolis, Ind.
on & Fetzer, architects, Templeton Bldg., Salt Lake City, Uh.
on, H. P., & Son, canned goods, Bridgeville, Del.
on Lbr. Co., 5054 Garfield av, St. Louis, Mo.
on Mfg. Co., shade cloth, Concord, N. C.
on Oiler Co. (successor to R. E. Bloomer), Keithsburg, Ill.
on-Swenson Co., alkali plants, consulting, designing & contr. engineers, 53 W. Jackson blvd., Chicago, Ill.
on, T. J., & Sons Machine Co., designers & builders of special machinery, tools, etc., Lynn, Mass.
on Valley Milling Co., flour, 822 Flour Ex., Minneapolis, Minn.
on, Will A., architect, 311 Niagara, Niagara Falls, N. Y.
n Oil & Fertilizer Co., Canon, Ga.
nsburg Pottery Co., Canonsburg, Pa.
nsburg Steel & Iron Wks., Canonsburg, Pa.
nsano, Vito G., & Bros., cotton waste, 185 South, New York.
rbury, A. C., flour mills, Turtle Creek, W. Va.
n, A. A., architect, 68 Post, San Francisco, Cal.
ne, Martin, Co., paper & pulp mills, Saugerties, N. Y.
n, A. N., architect, Walton Bldg., Atlanta, Ga.
n Art Metal Co., cornices & skylights, Canton, Ohio.
n Auto Parts Mfg. Co., pistons, rings, Canton, Ohio.
n Boiler & Engng. Co., bleaching tanks, Canton, Ohio.
n Box Co., packing, 2515 Boston, Baltimore, Md.
n Brass Foundry Co., Canton, Ohio.
n Bridge Co., Canton, Ohio.
n Bros., granite, Barre, Vt.
n Buggy Co., Canton, Ohio.
n Canning Co., Canton, Ohio.
n Cement Specialty Co., Canton, Ohio.
n Clay Products Co., crockery, Canton, Ohio.
n Cornice & Skylight Co., Canton, Ohio.
n Cotton Mills, Canton, Ga.
n Culvert & Silo Co., Canton, Ohio.
n Cutlery Co., Canton, Ohio.
n Drop Forging & Mfg. Co., Canton, Ohio.
n Elec-Cut Co., meat choppers & slicers, Canton, Ohio.
n Electric Sign Co., Canton, Ohio.
n Engineering & Electric Co., Canton, Ohio.
n Fertilizer & Chemical Co., Canton, Ohio.
n Feed & Milling Co., Canton, O.
n Fertilizer Co., Canton, Ga.
n Foundry & Machine Co., Canton, Ohio.
n Furniture Mfg. Co., revolving bookcases & desks, Canton, Ohio.
n Glass Co., stationers, chemical & druggists, etc., glassware, Marion, Ind
n Grate Co., oil filters, Canton, Ohio.
n Grey Lime Co., Canton, Ohio.
n Hardware Co., Canton, Ohio.
n Incandescent Light Co., Canton, Ohio.
n Iron & Metal Co., Canton, Ohio.
n Ladder Co., Canton, Ohio.

Canton Lbr. Co., Boston ft. of Kenwood av, Baltimore, Md., & Canton, Mo.
Canton Lumber Co., Canton, Ohio.
Canton Mach. Shop, spec. machy., Canton, Ohio.
Canton Malleable Iron Co., founders, Canton, Ohio.
Canton Mattress Co., Canton, Ohio.
Canton Metal Ceiling Co., Canton, Ohio.
Canton Paint & Glass Co., Canton, Ohio.
Canton Pattern & Mfg. Co., Canton, Ohio.
Canton Planing Mill Co., Canton, Mo.
Canton Pressed Brick Co. See Belden Brick Co. (successors).
Canton Provision Co., Canton, Ohio.
Canton Razor Strop Co., Inc., Canton, Ohio.
Canton Rubber Co., Canton, Ohio.
Canton Saw Co., circular saws, Canton, Ohio.
Canton Sash Weight Co., Canton, Ohio.
Canton Sheet Steel Co., Canton, Ohio.
Canton Sign Co., elec. signs, Canton, Ohio.
Canton Stamping & Enameling Co., Canton, Ohio.
Canton Steel Foundry Co., Canton, Ohio.
Canton Steel Roofing Co., sheet steel ceilings, Canton, Ohio.
Canton Supply Co., mill & facty. supplies, Canton, Ohio.
Canton Tent & Awning Co., Canton, Ohio.
Canton Tile Hollow Brick Co., New Bethlehem, Pa.
Canton Trunk Co., Canton, Ohio.
Cantor & Dorfman. See M. A. Cantor (successor).
Cantor, Jos., rubber substitutes, etc., 54 Stone, New York.
Cantor, M. A., architect, 373 Fulton, Brooklyn, N. Y.
Cantrell Constr. Co., 30th & Walnut, Philadelphia, Pa.
Cantrell, Fred. Co., Inc., mill & facty. supplies, Chattanooga, Tenn.
Cantslip Mfg. Co., rubber mats, 16 Cedar, New York.
Cantwell Hardware Co., Kenton, Ohio.
Canvas Belting Co., Cleveland, Ohio.
Canvass Decoy Co., Union City, Tenn.
Canyon Lime Co., crushed stone, etc., E. Las Vegas, N. Mex.
Canyon Lbr. Co., Everett, Wash.
Cap-Swivel-Let Co., conduit fittings, Warren, R. I.
Capac Paper Co., Capac, Mich.
Caparn, Harold A., landscape architect, 220 W. 42nd, New York.
Cape Ann Anchor Works, Gloucester, Mass.
Cape Ann Lumber Co., masons' & bldrs.' matls., Gloucester, Mass.
Cape Ann Tool Co., Rockport, Mass.
Cape Cod Shipbuilding Co. See Cape Cod Shipbldg. Corp. (successors).
Cape Cod Shipbldg. Corp., launch, motor boat & yacht bldrs., Wareham, Mass.
Cape Cod Specialty Co., canned goods, North Truro, Mass.
Cape County Milling Co., flour, Jackson, Mo.
Cape Fear Mach. Works. See Broadfoot Iron Works, Inc. (successors).
Cape Girardeau Portland Cement Co., Cape Girardeau, Mo.
Cape Girardeau Press Brick Co., Cape Girardeau, Mo.
Cape, Hy., lbr., 52 Vanderbilt av, New York.
Cape, Jas., & Sons Co., contractors, Racine, Wis.
Cape Lime & Marble Co., Cape Girardeau, Mo.
Cape May Glass Co., Cape May Court House, N. J.
Cape May Sand Co., Cape May, N. J.
Capell Salt Co., Salt Lake City, Utah.
Capelle, A. J., architect, Woods Bldg., Evansville, Ind.
Capelle Hardware Co., Wilmington, Del.
Capen Belting & Rubber Co., Main & Chestnut, St. Louis, Mo.
Capen, G. W., architect, Canton, Mass.
Capen, John F., architect, 207 Market, Jersey City, N. J.
Capewell Horse Nail Co., Hartford, Conn.
Caphenin Chem. Co., soap, Waverly, Iowa.
Capital Box Factory, turned wood, Sacramento, Cal.
Capital Buggy Co., Henderson, N. C.
Capital Brass Fdry., castings, Salt Lake City, Utah.
Capital City Casket Co., Sacramento, Cal.
Capital City Culvert Co., Madison, Wis.
Capital City Furniture Co., 639 Jackson, St. Paul, Minn.
Capital City Lime & Cement Co., Starkey & Indiana, St. Paul, Minn.
Capital City Vitrified Brick & Paving Co., masons' supplies, Topeka, Kans.
Capital Constr. Co., 415-18 E. Market, Indianapolis, Ind., Madison, Wis. & Portner, Washington, D. C.
Capital Die Tool & Mach. Co., 619 No. 4th, Columbus, O.
Capital Elec. Co., armatures, Springfield, Ill.
Capital Elec. Co., clothes washing machines, 321 Sheldon, Chicago, Ill.
Capital Elec. Co., incandescent elec. lamps, Denver, Colo.
Capital Electric Co., steps, poles, Salt Lake City, Utah.
Capital Fertilizer Co., Montgomery, Ala.
Capital Gas Engine Co., Indianapolis, Ind.
Capital Hill Monument Co., Des Moines, Ia.
Capital Iron Works Co., Topeka, Kan.
Capital Lime Stone Co., Columbus, Ohio.
Capital Lumber & Mfg. Co., Frankfort, Ky.
Capital Mach. Co., Indianapolis, Ind.
Capital Mastic Co., contrs., Sacramento, Cal.
Capital Porcelain Mfg. Co., Trenton, N. J.
Capital Rattan Co., furniture, Naomi & Shelby, Indianapolis, Ind.
Capital Seat & Nov. Co., 369 3d av, New York.

Capital Stone Co., Atlanta, Ga.
Capital Wire Co., Madison, Wis.
Capitol Brass Wks., brass founders & finishers, 596 Franklin, Detroit, Mich.
Capitol Castings Co., machsts. & fndrs., Lansing, Mich.
Capitol City Iron Wks., Olympia, Wash.
Capitol City Lbr. Co., Hartford, Conn.
Capitol City Machine Works, Montgomery, Ala.
Capitol City Supply Co., mill & facty. supplies & steam fitters, Charleston, W. Va.
Capitol City Vitrified Brick & Paving Co., Topeka, Kan.
Capitol Constr. Co., Ruggery Bldg., Columbus, Ohio.
Capitol Foundry Co., Denver, Colo.
Capitol Fdry. Co., Hartford, Conn.
Capitol Knit Wks., sweaters, cardigans, etc., 133 Fulton, Brooklyn, N. Y.
Capitol Lbr. Co., Indianapolis, Ind.
Capitol Milling Co., flour, Los Angeles, Cal.
Capitol Paint & Varnish Co., Washington, Pa.
Capitol Refining Co., petroleum & its products, Stockyards, Cal.
Capitol Refining Co., 343 Sansome, San Francisco, Cal.
Caplan Galvanized Iron Cornice Co., 4414 Easton av, St. Louis, Mo.
Caplan, Julius H., scrap iron, Lebanon, Pa.
Caplan, Philip, architect, 16 Court, Rockaway Beach, N. Y.
Caplan, S., & Co., bristles, hair, 80 Pine, New York.
Capoli Button Works, Lansing, Ia.
Cappel, A., & Son, umbrella mfrs., Dayton, Ohio.
Capps, B. W., cornices & skylights, Memphis, Tenn.
Capps, J., & Sons (Ltd.), woolen blankets, Jacksonville, Ill.
Caprado, A. V., architect, 105 N. Clark, Chicago, Ill.
Caprio & Grieco, contractors, Lock Haven, Pa.
Capron Co., belt buckles, 70 Ship, Providence, R. I.
Caproni, P. P., & Bro., stucco wk., 1914 Washington, Boston, Mass.
Capstan Glass Co., tumblers, Connellsville, Pa.
Caputa & Sojka, contractors, Scranton, Pa.
Carabelli, Jos., Monumental Works, 12317 Euclid av, Cleveland, Ohio.
Caraleigh Phosphate & Fertilizer Works, Raleigh, N. C.
Caravel Co., chemicals, dyestuffs, etc. (brokers), 13-21 Park row, New York.
Carbaugh Brick & Tile Wks., Fort Smith, Ark.
Carbaugh, Wm. H., brick, New Oxford, Pa.
Carbic Mfg. Co., calcium carbide, Duluth, Minn.
Carbo Corp., posts (iron & steel), Chicago Heights, Ill.
Carbo-Hydrogen Co., of America, hydro-carbon gas & leadburning & welding-apparatus, Benedum Trees bldg., Pittsburgh, Pa.
Carbo Steel Products Co., 2600 W. 111th, Morgan Park sta., Chicago, Ill.
Carbola Chemical Co., Inc., talcum powder mfrs. & mixers, 5 E. 42nd, New York.
Carbolineum Importing Co., 76 Wall, New York.
Carbolineum Wood Preserving Co., of Oregon, Portland, Ore.
Carbolineum Wood Preserving Co. of Wis., Milwaukee, Wis.
Carbolineum Wood Preserving Co. of N. Y. See Protexol Corp. (successor).
Carbon Coal Co., Pittsburg, Kans.
Carbon Fuel Co., coal mine, Carbon, W. Va.
Carbon Furnace Co., Ltd., Mauch Chunk, Pa.
Carbon Iron & Steel Co., Ltd. See Carbon Furnace Co. (successors).
Carbon Limestone Co., Youngstown, Ohio.
Carbon Machy. & Equipment Co. (see Mayer Boating Machines Co.), Rochester, N. Y.
Carbon Preservative Paint Co., Salt Lake City, Utah.
Carbon Slate Co., slate blackboards, Slatington, Pa.
Carbon Steel Casting Co., Lancaster, Pa.
Carbon Steel Co., bar mills, ft. 32nd, Pittsburgh, Pa.
Carbondale Mach. Co., machsts. & fndrs., Carbondale, Pa.
Carbondale Milling Co., flour, Carbondale, Pa.
Carbondale Sponge Co., 89 Fulton, New York.
Carbono Specialty Mfg. Co., belt dressing, 366 W. B'way, New York.
Carborundum Co., emery wheels, stones, etc., Niagara Falls, N. Y.
Card, A. H., lbr., Pineville, Ky.
Card Board Toy Co., 1st Wis. Nat'l Bank bldg., Milwaukee, Wis.
Card, C. S., Iron Works Co., Denver, Colo.
Card, Earl J. M. See Earl J. M. Lumber Co. (successor).
Card, Earle, Lbr. Co., 1159 Wabash, Detroit, Mich.
Card, I. P., architect, Corona, N. Y.
Card, J. M., Lumber Co., Chattanooga, Tenn.
Card, S. W., Mfg. Co., dies, reamers, taps, etc., Mansfield, Mass.
Cardiff Green Marble Co., Cardiff, Md.
Cardiff Gypsum Plaster Co., Fort Dodge, Ia.
Cardinal Cabinet Co., Wabash, Ind.
Cardington Cabinet Co., Cardington, Ohio.
Cardo Bros. & Co., granite, 3167 E. Tremont av, New York.
Cards, M. A., architect, 2153 Belmont av, New York.
Cardwell, Allen D., telegraph instruments, 251 W. 19th, N. Y.
Cardwell Blue Print & Supply Co., Denver, Colo.
Cardwell Mach. Co., machy. mfrs., 1900 E. Cary, Richmond, Va.
Cardwell Mfg. Co., gear draft, etc., McCormick Bldg., Chicago, Ill.
Caretti, John, & Co., floor mosaics, 53 Austin, Chicago, Ill.

Carew, Henry, contractor, 210 Jos-Campau, Detroit, Mich.
Carew, Jos F., stone producers, Gerard & Mass. av, Boston, Ma
Carew Mfg. Co., paper & pulp mills, & typewriter paper, S. H ley Falls, Mass.
Carex Co., aniline colors & dyestuffs, 309 B'way, New York.
Carey Box & Lbr. Co., sash, door & blind mfrs., 634 1st, Bro lyn, New York.
Carey Brick Co., 133 W. Washington, Chicago, Ill.
Carey Bros., flour mills, Tatham Springs, Ky.
Carey Bros. Wall Paper Mfg. Co., 1023 Filbert, Philadelphia,
Carey & Co., carriage lamps, 246 N. 5th, Philadelphia, Pa.
Carey Concrete Co., all kinds concrete products, Grand Rap Mich.
Carey Const. Co., concrete piles, Cleveland, Ohio.
Carey, J. B., stone producers, Convoy, Ohio.
Carey, J. D., Co., contractors, Citizens Bldg., Cleveland, Ohi
Carey, J. F., contr. & stone producer, Winsted, Conn.
Carey, Jas, sash, door & blind mfr., Copenhagen, N. Y.
Carey, Jas. L., mill engineers, 208 N. Laramie av, Chicago,
Carey, Jno. W., architect, Mer. Natl. Bk. Bldg., San Franci Cal.
Carey, Lawrence, contrs., Rome, N. Y.
Carey-Lombard, Young & Co., lumber mfrs., 332 S. Michigan Chicago, Ill.
Carey Machinery & Supply Co., mill & facty. supplies, 119 Lombard, Baltimore, Md.
Carey-Mandi Constr. Co., Oaks Park, Ill.
Carey, Owen, contr., Waterbury, Conn.
Carey, Philip, Mfg. Co., paper & pulp mills, roofing, asbestos ing, etc., 330 Wayne av, Lockland, Cincinnati, Ohio.
Carey-Reed Co., contrs., Lexington, Ky.
Carey Salt Co., Hutchinson, Kans.
Carey, Thos. & Sons, Clinton, Iowa.
Carey, W. W., Co., woodworking machy., etc., Lowell, Mass.
Cargill-Cleveland & Co., whip mfrs., Westfield, Mass.
Cargo Shingle Co., Everett, Wash.
Carhart, A. L., contractor, 323 Penfield bldg, Philadelphia,
Carhart Constr. Co., Atlantic Highlands, N. J.
Carhartt, Hamilton, Cotton Mills, Rock Hill, S. C.
Caril, Jesse E., ship bldrs., Northport, N. Y.
Carkeek, Thos. T., architect, Lincoln Bldg., Dubuque, Ia.
Carl, Frederick, machsts., 623 H, Washington, D. C.
Carl J. Horn, archit., Logansport, Ind.
Carl, John H, sash, doors & blind mfrs., 510 1st av, New Yo
Carl, Max J., Machine Co., Blackstone bldg., Cleveland, O.
Carland, J. C., & Co., contractors, Spitzen Bldg., Toledo, Ohi
Carlaw Bros., granite producers, Sacramento, Cal.
Carleton Canoe Co., Old Town, Me.
Carleton Co., contractors, 151 W. 42d, New York.
Carleton Co., elec. portable fans, 170 Summer, Boston, Mass
Carleton, E. Everett & Co., varnish gums, shellac, 133 F New York.
Carleton & Moffat, oils, gambier, etc., 80 Malden la, New Y
Carleton, Norwood & Co., ship builders, Rockport, Me.
Carley, C. R., patterns & models, 318 E. Water, Syracuse,
Carley Heater Co., machsts. & fndrs., Olean, N. Y.
Carley, Ira, lumber, Ingalls, Mich.
Carlin, Anthony, Co., rivet mfrs., 2717 E. 75th, Cleveland,
Carlin Calculator Co., machy., calculating machs., Chicago
Carlin, D. N., Co., toys, 127 Denniston, Pittsburgh, Pa.
Carlin & Fulton Co., wholesale hdwe., 309 Redwood, more, Md.
Carlin Iron Wks., 310 W. 40th, New York.
Carlin, John H., Machine Co., Pittsburgh, Pa.
Carlin, John J., architect, Drexel Bldg., Philadelphia, Pa.
Carlin Machy. & Supply Co., mill & facty. supplies, 161 E cock, Pittsburgh, Pa.
Carlin, P. J., Constr. Co., 1123 B'way, New York.
Carlin, Thos. F., contractor, West New Brighton, N. Y.
Carlisle-Ayer Co., sash, door & blind, 42 Washington, N Boston, Mass.
Carlisle Brick Co., Carlisle, Pa.
Carlisle, E. A., & Pope Co., sash, door & blind mfrs., 98 C Boston, Mass.
Carlisle & Finch Co., gas engines, motors, search lights, etc. E. Clifton av, Cincinnati, Ohio.
Carlisle & Gale Co., exhaust & blow piping, 5 North, ton, Mass.
Carlisle Hardware Co., hardware, mill & facty. supplies, Main, Springfield, Mass.
Carlisle, Louis G., architect, Vicksburg, Miss.
Carlisle Milling Co., flour, Carlisle, Ky.
Carlisle Packing Co., canned goods, Seattle, Wash.
Carlisle-Pennell Lumber Co., sash, door & blind, Atchison,
Carlisle Rice Mill Co., Carlisle, Ark.
Carlisle & Schilling Bros., fndrs., Poplar av & Henry, Colu Ohio.
Carlisle & Sharrer, architects, Jenkins Arcade, Pittsburgh,
Carll Bros., canned goods, Waterboro, Me.
Carll Canning Co., Augusta, Me.
Carlls, C. W., Sons, metal cornices, etc., Warren & Front, ton, N. J.
Carlon Construction Co., Oskaloosa, Ia.
Carlon, F. K. & Co., Inc., mfrs. agts., steamship supps., No Va.
Carloss Bros. & Co., lbr., Reform, Ala.

org Mill & Timber Co., Carlsborg, Wash.
n, Aaron, sash, door & blind, 15th av, nr Central av, Minneapolis, Minn.
n, A. E., contractor, Kewanee, Ill.
n, A. M. & Son, patent specialists, Dispatch Bldg., St. Paul, Minn.
n, Arthur G., architect, 226 Henry, Brooklyn, N. Y.
n & Barger, scrap iron & steel, Northampton, Mass.
n Bros. Co., cornices, Superior, Wis.
n, Ernest F., Co., contrs., Springfield, Mass.
n Forgings Co., machsts, 733 Fulton, Chicago, Ill.
n, Frank A., contractor, Duluth, Minn.
n, John L., sash, door & blind mfr., Sioux City, Ia.
n & Johnson, contrs., 4437 Stevens av, Minneapolis, Minn.
n, J. P., contractor, Red Wing, Minn.
n, J. S., & L. Co., contractors, Montclair, N. J.
n, L. M., woven wire mattresses, Grand Island, Neb.
n Lbr. Co., Mineral, Wash.
n Hoist & Mach. Co., hod. elev., 1074 St. Marks av, Brooklyn, N. Y.
n Operating Co. See Carlson Hoist & Machine Co. (successors).
n, Oscar W., contractor, 86 Gallatin, Providence, R. I.
n & Russ, machsts., 2319 Rich. ter, Port Richmond, N. Y.
n & Torell Co., contractors, New Britain, Conn.
n, Victor J., contrs., 445 Vancouver, Portland, Ore.
n-Wenstrom Co., Erie av & Richmond, Philadelphia, Pa.
n & Wiseman, architects, 226 Henry, Brooklyn, N. Y.
ed Bros., contractors, Bldrs. Exch., Minneapolis, Minn.
n, Chas. W., architect, Chattanooga, Tenn.
n Consolidated Lbr. Co., Carlton, Ore.
n, E. G., & Sons, woolen flannels, Rochdale, Mass.
n, F. W., contractor, Bath, Me.
n, F. W., dock bldrs., Woolwich, Me.
n, Gus, bldg. contr., Portland, Ore.
n Hardware Co., Calumet, Mich.
n Machine Tool Co., drilling machines, Cincinnati, Ohio.
n Mills Co., bathing suit mfrs., Coral & Adams, Phila., Pa.
ci, Nicholas, stone prod., Scranton, Pa.
e Milling Co., flour, Carlyle, Ill.
e Paper Co., Carlyle, Ill.
e Paving Brick Co., Portsmouth, Ohio.
an & Fryer, freight elev., Indianapolis, Ind.
an Mfg. Co., ash cans, Columbus, Ohio.
an Mfg. Co., beds, matresses, Portland, Ore.
an Mfg. Co., machsts. & fndrs., Tacoma, Wash.
an-Thompson Co., mill & facty supplies, Lewiston, Me.
chael Constr. Co., Akron, Ohio.
chael, D. G., contractor, 902 Chapel, New Haven, Conn.
chael, Hy., chemical engrs., 88 Broad, Boston, Mass.
chael Lumber Co., McDonough, Ga.
chael, Wm. P., contractor, Rialto Bldg., St. Louis, Mo.
chael, Wm. P., Co., contractors, Williamsport, Ind.
han Mfg. Co., hard wood doors, Loogootee, Ind.
han Tin Plate & Sheet Co., Canton, Ohio.
tion Milk Products Co., canned goods, Seattle, Wash.
al & Johnston, architects, Chamber of Com., Richmond, Va.
gie Brick & Stone Co., Carnegie, Pa.
gie Coal Co., bituminous, Oliver bldg, Pittsburgh, Pa.
gie Institute of Technology, engng. school & coll., Schenely k. Pittsburgh, Pa.
gie, John L., & Son, contrs., 189 N. Madison, Chicago, Ill.
gie Steel Co., blast furnaces, iron rolling mills, machsts. fndrs., etc., Carnegie Bldg., Pittsburgh, Pa.
gie, Wm. G., architect, 189 W. Madison, Chicago, Ill.
ll, Geo., brick machinery, 1819 N. 5th, Philadelphia, Pa.
ll, Wm., & Son, machsts. & fndrs., Glassboro, N. J.
r & Lang, architects, 110 W. 34th, New York.
sville Gin & Milling Co., Carnesville, Ga.
y, B. J., & Co., ties, poles & posts, Grinnell, Ia.
y, E. P., machsts., Ilion, N. Y.
y, J., Coal Co., masons' & bldrs.' matls., Waltham, Mass.
y Lumber Co., 2335 Laflin, Chicago, Ill.
y Paper Co., Maumee, Ohio.
y, W. M., Mill Co., lumber, Atmore, Ala.
y's Cement Co., Mankato, Minn.
am, Victor H., & Co., garment hangers, Buffalo, N. Y.
ck, R., scrap iron, Franklin, Pa.
e-Goudie Mfg. Co., hammock mfrs., 613 Cherry, Phila., Pa.
& Grand av, Kansas City, Mo.
tite Reduction Co., sodium, acid, etc., E. 26th & So. Park av, Chicago, Ill.
vath, Bell & Co., packing box mfrs., 613 Cherry, Phila., Pa.
a Co., talking machines, 118 Noble Ct., Cleveland, Ohio.
in, R. B., brass & composition fndrs., 833 Superior, Detroit, Mich.
ina Bagging Co., Henderson, N. C.
ina, Barytes Co., 101 Pk. av, New York.
ina Brick Co., Kingston, N. C.
ina Buggy Mfg. Co., Henderson, N. C.
ina Cross Arm Co., Elkin, N. C.
ina Fdry. & Mach. Co., Winston-Salem, N. C.
ina Fibre Co., Hartsville, S. C.
ina Lbr. Co., Doss, N. C.
ina Lumber Mfg. Co., Charlotte, N. C.
ina Mach. Co., Fayetteville, N. C.
Carolina Metal Co., babbitt metal, Shelby, N. C.
Carolina Mills, bags & bagging, Greenville, S. C.
Carolina Mineral Co., Penland, N. C.
Carolina Phosphate Co., fertilizer mfrs., Greenville, S. C.
Carolina Pine Products Co., tar mfrs., Cleveland, Ohio.
Carolina Portland Cement Co., Charleston, S. C.
Carolina Spruce Co., Pensacola, N. C.
Carolina Stave Co., Bethel, N. C.
Carolina Supply Co., mill & facty. supplies, Greenville, S. C.
Carolina Washboard Co., Raleigh, N. C.
Carolina Woodenware Co., lard tubes, Fayetteville, N. C.
Carolus Mfg. Co., models & experimental work, Sterling, Ill.
Caron, August S., contractor, Oak Park, Ill.
Caron Granite Co., Milford, N. H.
Carondelet Fndry Co., 2101 S. Kingshighway blvd, St. Louis, Mo.
Carondelet Packing Co., meat, 8000 Ivory av, St. Louis, Mo.
Carondelet Planing Mill Co., 5826 S. B'way, St. Louis, Mo.
Carothers, A. K., stone producers, Williamsport, Pa.
Carow, J. & Co., jewelry cases, 85 Warren, New York.
Carpeles Co., trunks, 1000 St. Paul av, Milwaukee, Wis.
Carpenter, A. L., lbr. mfrs., Cassville, N. Y.
Carpenter, A. N., landscape archt., Galesburg, Ill.
Carpenter, B. G., Co., htg. contrs., Wilkes-Barre, Pa.
Carpenter & Bayles, handle mfrs., 100 Walker, New York.
Carpenter, Ben L., architect, Puyallup, Wash.
Carpenter Bros., lumber, Crandon, Wis.
Carpenter, C. E., archit., 91 Cottage, Pawtucket, R. I.
Carpenter, C. I., architect, Administration bldg, Spokane, Wash.
Carpenter, C. N., Supply Co., mill & facty. supplies, Canton, O.
Carpenter, Chas. R., Mach. Co., disc grinders, Racine, Wis.
Carpenter Coal & Lumber Co., masons' & bldrs.' matls., Attleboro, Mass.
Carpenter & Co., architects, St. Cloud, Minn.
Carpenter, Cyrus, & Co., hot air furnaces, 177 Massachusetts av, Boston, Mass.
Carpenter, D. L. & Co., whol. hdwe., 652 Main, Cincinnati, Ohio.
Carpenter, Daniel, contractor, Ossining, N. Y.
Carpenter, Davis, Co., plain & prismatic vault, etc., lights., 216 E. 41st, New York.
Carpenter, Du Bois, architect, 45 Market, Poughkeepsie, N. Y.
Carpenter, E. W., Mfg. Co., jigs & fixtures, 515 Union av, Bridgeport, Conn.
Carpenter, F. A., architect, Brown Bldg., Rockford, Ill.
Carpenter, G. Albert, machsts., Muncie, Ind.
Carpenter, Geo. B., & Co., contractors, mill, facty. & steamfitters' supplies, etc., 440 North Wells, Chicago, Ill.
Carpenter, Geo. T., masons' & bldrs.' matls., 1001 S. Karlov av, Chicago, Ill.
Carpenter-Henderson Co., contrs., 118 N. La Salle, Chicago, Ill.
Carpenter, J. C., contractor, Chester, S. C.
Carpenter, J. C., Fig Co., canned goods, Houston, Tex.
Carpenter, J. M., Tap & Die Co., Pawtucket, R. I.
Carpenter, James E. R., architect, 681 5th av, New York.
Carpenter, John, architect, Marshall, Tex.
Carpenter, L. A., Press Metal Co., sheet metal, novelties, mfrs., 131 Munroe, Cambridge, Mass.
Carpenter-Morton Co., asphalt roofing, paints, varnishes, etc., 77 Sudbury, Boston, Mass.
Carpenter, O. A., architect, Montpelier, Ohio.
Carpenter, O. H., architect, Iowa City, Ia.
Carpenter & Patterson, plbrs. supplies, Boston, Mass.
Carpenter, R. F., Mfg. Co., steel toilet partitions & gravity hinges, Cleveland, Ohio.
Carpenter R. H., architect, 194 Rawson, Atlanta, Ga.
Carpenter Steel Co., Reading, Pa.
Carpenter, T. A., & Sons, contractors, Bennington, Vt.
Carpenter-Tew Gear Co., 67 35th, Brooklyn, N. Y.
Carpenter-Udell Chemical Co., Grand Rapids, Mich.
Carpenter, W. A., architect, 200 E. 13th, Portland, Ore.
Carpenter, W. B., Co., catalog envelopes, 422 Main, Cincinnati, Ohio.
Carpenter, W. D., Co., sweeping compounds, disinfectants, etc., Syracuse, N. Y.
Carpenter, W. I., Lumber Co., 504 Lbr. Ex., Minneapolis, Minn.
Carpenter, W. J., architect, Highland Bldg., Pittsburgh, Pa.
Carpenter & Weldon, architects, 3 N. La Salle, Chicago, Ill.
Carpenter, Wellington, sashes, doors & blinds, Concord, N. H.
Carpenter Wing Carrier Mfg. Co., 473 Cleveland, St. Paul, Minn.
Carper Fdry. & Machine Co., Mabscot, W. Va.
Carper, J. L., flour mills, Griffithsville, W. Va.
Carpp, S. M., canned goods, Hartford, Mich.
Carr & Baal Co., sashes, doors & blinds, Des Moines, Ia.
Carr, C. R., architect, Roswell, N. M.
Carr, Commodore, contractor, East St. Louis, Ill.
Carr-Cullen Co., sashes, doors, blinds, 10th av N. E. & Marshall, Minneapolis, Minn.
Carr, Elmer E., ventilated furnace, 382 N. Hermitage, Chicago, Ill.
Carr, F. C., cornices, Waltham, Mass.
Carr, F. S., Co., curtain fasteners, Boston, Mass.
Carr Fastener Co., Boston, Mass.
Carr, Frank A., architect, 69 Douglas av, Yonkers, N. Y.
Carr, G. P., contractor, Shawnee, Okla.
Carr, Geo. W., Co., contractors, 518 Main, Worcester, Mass.
Carr, H. J., & Co., contractors, Atlanta, Ga.
Carr, H. W., architect, Green Bay, Wis.

Carr, Herbert V., contractors, East Norwalk, Conn.
Carr, J. B., Co., chain mfrs., Troy, N. Y.
Carr, J., Base Ball Co., 660 Pacific, Brooklyn, N. Y.
Carr, J. E., & Sons, cornices & skylights, Brockton, Mass.
Carr, Jas. W., foundry, 7 N. 25th, Richmond, Va.
Carr, Jno. D., contractor, Uniontown, Pa.
Carr, John, & Son, architects, Brookville, Pa.
Carr, Jos., Co., machsts., 132 N. 7th, Philadelphia, Pa.
Carr, L. W., landscape architect, 1432 Arthur av, Cleveland, O.
Carr, Loftus H. & Co., mattresses, 288 Flushing av, B'klyn, N. Y.
Carr Lowrey Glass Co., glass bottle mfrs., Westport, Baltimore, Md.
Carr Lbr. Co., Pisgah Forest, N. C.
Carr, M. M., canned goods, Aberdeen, Md.
Carr, M. W., & Co., silver nov., Somerville, Mass.
Carr & McClaskey, common brick, Chester, Pa.
Carr Mfg. Co., machsts., Kansas City, Mo.
Carr, Merrett L., architect, 656 Lemcke Annex, Indianapolis, Ind.
Carr Milling Co., flour, Hamilton, Ohio.
Carr Pail & Package Co., Ashby, Mass.
Carr, R. A., flour mills, Maysville, Ky.
Carr, Ryder & Adams Co., interior woodwork, Dubuque, Iowa.
Carr, Stuart R., & Co., fndrs., Boston & Montford av, Balto., Md.
Carr, W. C., & Son, contractors, Crawfordsville, Ind.
Carr, W. H., architect, Leesburg, Fla.
Carragan & Tilson, steel stamps, stencils, 88 Chambers, New York.
Carragher, F. J., sashes, doors & blinds, Belleville, N. J.
Carran, Lewis C., Co., lubricating oils & greases, Rockefeller Bldg., Cleveland, O.
Carran, Richard B. & Sons, Co., machist. & fndrs., Ludlow, Ky.
Carrara Paint Co., Barberton, Ohio.
Carre, W. W., Co. (Ltd.), lumber, 814 Hibernia Bldg., New Orleans, La.
Carrere & Hastings, architects, 45th & Vanderbilt av, New York.
Carretto Gustave, architect, Baldwin, N. Y.
Carriage Monthly, publications trade, 1010 Arch, Phila., Pa.
Carriage & Toy Co., children's carriage mfrs., 741 W. Lombard, Baltimore, Md.
Carriage Woodstock Co. See Ames Body Corp (successor).
Carrico Stone Co., Rockford, Ill.
Carrier Cutlery Co., Elmira, N. Y.
Carrier Eng'g. Corp., air cooling app., etc., 39 Cortlandt, New York.
Carrier E. T., cornices, South Manchester, Conn.
Carrier, F. P., machist., Edgerton, Wis.
Carrier Lumber & Mfg. Co., Sardis, Miss.
Carrigan Jno., architect, Epler Bldg., Seattle, Wash.
Carrington & Co., match safes, 42 Walnut, Newark, N. J.
Carrington, Geo. S., Co., label mfrs., 2340 W. Van Buren, Chicago, Ill.
Carroll, A. P. Machine Co., machsts. & fndrs., 92 Broadway, Cambridge, Mass.
Carroll Box & Lumber Co., 629 E. 18th, New York.
Carroll Bros., canned goods, Havre de Grace, Md.
Carroll Bros., cornices, Lowell, Mass.
Carroll Bros., masons' & bldrs', matls., Ellicott sq., Buffalo, N. Y.
Carroll Bros., plating wks., 185 Franklin, Boston, Mass.
Carroll Bros. & Co., brush mfrs., 415 W. Baltimore, Baltimore, Md.
Carroll, Chas., tubular boilers, Oswego, N. Y.
Carroll Contracting Co., Wainwright bldg, St. Louis, Mo.
Carroll, E. H., & Son, lumber, Warner, N. H.
Carroll Engineering Co., machsts., Dayton, Ohio.
Carroll Foundry & Machine Co., Bucyrus, O.
Carroll, Guy H., masons' & bldrs.' matls., Aledo, Ill.
Carroll, H. C., & Sons, common brick, 67th & Gibson, Phila., Pa.
Carroll, J. Bruce, advtg. nov. & spec., 3057 Carroll, Chicago, Ill.
Carroll, J. E., Sand Co., White Bldg., Buffalo, N. Y.
Carroll, J. T., Lumber Co., Butte, Montana.
Carroll, Jamieson Machine Tool Co., Batavia, Ohio.
Carroll, Jos. L., mill & facty. supplies, Winsted, Conn.
Carroll, L. W., & Son, mill & facty. supp., Norwich, Conn.
Carroll, M. F., & Sons Co., carriages, Hillsboro, Ohio.
Carroll, Michael A., elec. contr., Waterbury, Conn.
Carroll Motor Car Co., Strasburg, Pa.
Carroll, Patrick, & Son, boilers (range, galvanized iron), 1406 Fairmont, Philadelphia, Pa.
Carroll-Porter Boiler & Tank Co., barge bldrs., foundry ladles, steel struct'l wk., etc., Empire Bldg., Pittsburgh, Pa.
Carroll, G. E. Sand Co., White bldg, Buffalo, N. Y.
Carroll Steel Co., steel products, 15 Park Row, New York.
Carroll, T. Geo., architect, Franklin Bldg., Baltimore, Md.
Carroll, W. A., Co., mill & facty. supps., 67 Main, San Francisco, Cal.
Carroll, William A., carriages, New Bedford, Mass.
Carroll Wm. & Son, index centers, 4220 Main (Norwood), Cincinnati, Ohio.
Carrollton Nov. Co., mechl. toys, Carrollton, Ohio.
Carrollton Pottery Co., Carrollton, Ohio.
Carrolltown Coal Co., bituminous, St. Benedict, Pa.
Carrom Co., folding tables, piano benches, game boards, high grade cabinet wks., etc., Ludington, Mich.



Carron, A. M., Machine Co., air pumps, Penn & Barbeau, P burgh, Pa.
Carrom Co., toy nov., Ludington, Mich.
Carron & Co., auto. gloves, 1777 B'way, New York.
Carruth, J. G., & Co., woolen flannels, Indiana av & Ros Philadelphia, Pa.
Carruthers & Fithian Clutch Co., Grove City, Pa.
Carruthers, Robt., Co., textile machy., Lowell, Mass.
Carscallen Bros., contractors, Coeur D'Alene, Idaho.
Carscallen Drainage & Const. Co. Coeur d'Alene, Idaho.
Carsley, Geo. H., architect, Helena, Mont.
Carson, Alexander W., architect, Charleston, W. Va.
Carson Bros., common brick, Vancouver, Wash.
Carson, C. A., Co., contractors, 6408 Euclid av, Clevelan
Carson & Furman, contractors, Haverstraw, N. Y.
Carson & Hartwig, tool-post turrets, 25 Hackett, Newark,
Carson, L. A., architect, 7 E. 42nd, New York.
Carson Motor Co., gas engines, 519 Hillgeo, Detroit, Mich.
Carson, Nick H., contractor, El Paso, Tex.
Carson-Rowell & Co., babbit metal, Appleton, Wis.
Carson Trench Machine Co., sewer excavating machiner Dorrance, Boston, Mass.
Carson, Wm. & C. H., stone, Rochester, N. Y.
Carsten Batteries, 1381 Fulton, Brooklyn, N. Y.
Carstens, H., Mfg. Co., surgical instruments, 567 W. Chicago, Ill.
Carstens Packing Co., meat, Tacoma, Wash.
Carswell, David, killers, fly swatters, St. Joseph, Mo.
Carswell, Wetmore & Co., granite, Barre, Vt.
Cartan & Delvin, masons' & bldrs.' matls., Matawan, N. J.
Carter, B. L., canned goods, Stone Mountain, Va.
Carter-Bell Mfg. Co., rubber substitutes, 150 Nassau, New
Carter Bros., contractors, Danville, Ill.
Carter Bros. Mattress Co., Chattanooga, Tenn.
Carter & Bucholz Co., Inc., disc grinders, 1234 S. State, cuse, N. Y.
Carter, C. C., & Sons, contrs., Nashville, Tenn.
Carter, C. E., Co., toys, Erie, Pa.
Carter, C. G., contractor, 27 W. 3d S., Salt Lake City, U
Carter, C. J., Lumber Co., R. A. Long Bldg., Kansas City
Carter, C. W. H., varnish, 8 Ferry, New York.
Carter & Campbell, children's carriages, Winchendon, Ma
Carter Carburetor Co., 2840 N. Spring, St. Louis, Mo.
Carter, Chas. H., contr., Peotone, Ill.
Carter Coal Co., Coalwood, W. Va.
Carter Constr. Co., 42 Broadway, New York.
Carter, David T. & Co., lumber mfrs., West & Sterrett, more, Md.
Carter, Donlevy & Co., tin plate, metals, etc., 1012 C Philadelphia, Pa.
Carter, E. T., machst. & fndr., Plainville, Conn.
Carter Elec. Co., alternating current rectifiers, etc., Atlant
Carter, F. R., brick, Peoria, Ill.
Carter & Foster, brick & contractors, London, Ohio.
Carter, Frank, Co., lbr., Menomoine, Wis.
Carter, Fred N., contractor, Poughkeepsie, N. Y.
Carter, Geo. A., tacks, Brockton, Mass.
Carter, Geo. H., Co., wood mantels, 43 Beverley, Boston,
Carter, Geo. R., Co., auto. belts, Connersville, Ind.
Carter, Gough & Co., silver nov., 9 Maiden la, New York.
Carter, H. W., Paper Co., confetti, Springfield, Mass.
Carter & Hakes Machine Co., milling mach. & vises, W Conn.
Carter, Ira Calvin, archit., Lake Charles, La.
Carter Iron Co., staybolt, 307 5th av, Pittsburgh, Pa.
Carter, J. A., packing box, Petersham, Mass.
Carter, J. F., Co., oiled clothing, Beverly, Mass.
Carter, J. N., turpentine, Meigs, Ga.
Carter, J. W., Co., cornices & skylights, Manchester, Mass
Carter-Kelley Lumber Co., Manning, Texas.
Carter, L. D., architect, 287 Salmon, Portland, Ore.
Carter-Lee Lumber Co., sash, door & blind mfrs., 16 Washington, Indianapolis, Ind.
Carter Milling Co., flour, Democrat, N. C.
Carter, N. E., contractor, 2314 Main, S. Omaha, Nebr.
Carter Paint Co., paints, Liberty, Ind.
Carter Mfg. Co., lumber, wholesale mfrs. interior finish kuk, Iowa.
Carter Mfg. Co., sash, door & blind mfrs., Keokuk, Ia.
Carter, R. K., & Co., wholesale hdwre., 66 Reade, New
Carter, Ralph B., Co., pneumatic water supply system Chambers, New York.
Carter, Rice & Co., Corp., insulating tape, 246 Devo Boston, Mass.
Carter, S. C., Co., mchsts., Los Angeles, Cal.
Carter Sheet Metal Co., Omaha, Neb.
Carter, Shepherd Milling Co., flour, Hannibal, Mo.
Carter-Travis Co., sash, door & blind, Seymour, Ind.
Carter, W. G., contractors, 3301 Parnell av, Chicago, I
Carter, W. T., & Bro., lumber, Camden, Tex.
Carter, W. T., Lumber & Bldg. Co., Houston, Texas.
Carter White Lead Co., 12042 Peoria, Chicago, Ill.
Carter, Wm. C., contractor, Fitchburg, Mass.
Carter, Wm. Co., knitted gloves, Needham Heights, Mas
Carter, Wm. D., machsts., 1232 E. 3rd, Cleveland, Ohio.
Carter, Wm. P., architect, Springfield, N. J.
Carter Wire Fence Machine Co., Mt. Sterling, Ohio.

Lbr. Co., Beaufort, N. C.
Ink Co., carbon paper, inks, paste, etc., E. Cambridge, ton, Mass.
J. T., mchts. & fndrs., Danville, Va.
lle Brick & Tile Co., Carterville, Ill.
e Board & Paper Co., Carthage, Ind.
e Cotton Oil Co., Carthage, Tex.
e Fdg. & Mach. Wks., Carthage, Mo.
e Mach. Co., Carthage, N. Y.
e Marble & White Lime Co., Chouteau & Vandeventer St. Louis, Mo.
e Marble Wks., Carthage, Mo.
e Quarry Co., Carthage, Mo.
e Stone Co., Carthage, Mo.
e Stone Yard, N. W. cor. 16th & Askew av, Kansas City,
e Superior Marble & Limestone Co., Carthage, Mo.
e Superior Spring Bed Mfg. Co., Carthage, Mo.
e Sulphite Pulp & Paper Co., Carthage, N. Y.
e Tissue Paper Mills, Carthage, N. Y.
or. Co., Cotton Plant, Ark.
A. E., Sons Co., carriage shafts & poles, lbr., sash door lind mfrs., etc., Ludington, Mich.
M. N., & Sons Co., building & roofing papers, 289 Canal, vidence, R. I.
T. N., carriages, Fall River, Mass.
Thos. B., Paint & Glass Co., Wilmington, Del.
Belting Co., 52 Everett, Allston, Mass.
W. N. See Diamond Clamp & Flask Co. (successor).
ht Bros Co., crockery, East Liverpool, Ohio.
ht, J. M., shears, Malaga, Cal.
ht, Thos. Edgar, masons' & bldrs.' matls., Summitville,
ver Co., meat packers, Rockford, Ill.
hem. Co., calcium permanganate & recovered manga-, La Salle, Ill.
Herman & Co., masons' & bldrs.' matls., Helena, Ark.
C. R., Co., embossing, stationery & stamping presses, & Clearfield, Philadelphia, Pa.
Cotton Gin Co., machsts. & fndrs., East Bridgewater, s.
E. S., & Son, packing box mfrs., 914 W. Westmrlnd., adelphia, Pa.
lle Co., machsts., 3231 Frankford, Philadelphia, Pa.
C., & Co., canned goods, Marumoco, Md.
I. M., lbr., Gordo, Ala.
Jos., architect, Colfax, La.
Richard, masons' & bldrs.' matls., Skaneateles, N. Y.
Tool Wks., Spring Valley, N. Y.
Wagon Co., carriages, Morristown, Tenn.
ck Co., Mechanicsville, N. Y.
o., masons' & bldrs.' matls., Pensacola, Fla.
S., & Co., granite producers, Zanesville, Ohio.
o., architect, 101 W. Huron, Buffalo, N. Y.
s. H., elec. drills, Portland, Me.
K., Co., wholesale h'dwe., Ft. Fairfield, Me.
. Co., Durham, N. C.
g. Co., box strapping mfrs., Nassau & Jay, B'klyn, N. Y. *adv index at end of book.*
e Co., machsts., Buffalo, N. Y.
d & Gravel Co., 127 N. Dearborn, Chicago, Ill.
ing Wks., 240 W. 29th, New York.
. H., lbr., 133 W. Washington, Chicago, Ill.
Witt, architects, 569 5th av, New York.
Bros., organs, South Haven, Mich.
Geo. J., architect, 1133 Broadway, New York.
Coal & Coke Co., bituminous, Buffalo, N. Y.
Fdry. Co., Erie, Pa.
Lumber Co., North Yakima, Wash.
Packg. Co., salmon, Anacortes, Wash.
Sheet Metal Works, cornices & skylights, Seattle, Wash.
., marble interior wk., 1259 Flushing av, B'klyn, N. Y.
W., & Son, machsts. & fndrs., Highland Park, Conn.
Willard, Co., paper & pulp mill, Manchester, Conn.
drew J., contractor, Trenton, N. J.
rd Co., Andover, Conn.
s., paper & pulp mill, Highland Park, Conn.
ning Co., Marshfield, Mo.
othran. contractors, Atlanta, Ga.
ne & Engineering Co., Columbus, Ohio.
rotser, lumber, Kingsley, Mich.
wler, Lumber Co., Macon, Ga.
nace Co., hot air, Tacoma, Wash.
rdening Service Co., compounds, 2279 Scranton rd., eland, Ohio.
I., Plow Works, plows, harrows, cultivators, planters, rs, etc., for tractors & horses, Racine, Wis.
I., Threshing Machine Co., threshing machines, engines, mobiles, etc., Racine, Wis., & San Francisco, Cal.
W., architect, David Whitney Bldg., Detroit, Mich.
per D., lumber, Rushville, Ind.
roenlien, horse collars, Peoria, Ill.
d, & Co., cornices, Schenectady, N. Y.
g. Co., paper & pulp mill, Unionville, Conn.
. Co., portable bldgs., 114 Liberty, Jackson, Mich.
Marshall, paper, Hartford, Conn.
ll, architect, Westminster, Md.

Case & Risley Press Paper Co., binders' boards, Oneco, Conn.
Case School of Applied Science, engng. school & coll., Euclid av & Wade pk, Cleveland, Ohio.
Case Shingle & Lumber Co., Raymond, Wash.
Case, W. A., & Sons Mfg. Co., plumbers' & steam fitters' supplies, Buffalo, N. Y.
Case, W. J., & Son, contractors, Saratoga Springs, N. Y.
Case, W. R., & Sons Cutlery Co., Bradford, Pa.
Case, Walter, contractor, 817 G, N. W., Washington, D. C.
Case, Willard & Co., mill engnrs., 17 Battery pl, New York.
Casein Mfg. Co., 13 Park Row, New York.
Caseley & Neimes, corset eyelet mfrs., Taunton, Mass.
Casement Hardware Co., hdwe. specialties, 9 S. Clinton, Chicago, Ill.
Casenite Co., valve seats, 21 Warren, New York.
Casey & Broderick, stone prod., 523 State, Springfield, Mass.
Casey-Childs Shingle Co., Sedro Wooley, Wash.
Casey, D. L., Mach. Co., Springfield, Ohio.
Casey, Edw. P., architect, 149 Broadway, New York.
Casey, F. A., Co., automobile bldrs., Billerica, Mass.
Casey & Fant, architects, Anderson, S. C.
Casey-Hedges Co., blast furnaces, boilers, meter boxes, etc., & steel wks. constr., etc., Chattanooga, Tenn.
Casey & Hurley, contractors, 120 Pequonnock, Bridgeport, Conn.
Casey, Jno. A., Co., oil, turpentine, pitch, etc., 144 Maiden la, New York.
Casey, John F., Co., contractors, Oliver Bldg., Pittsburgh, Pa.
Casey Lbr. Co., Meacham, Ore.
Casey Mfg. Co., auto. bindings, 216 Monroe av, Detroit, Mich.
Casey, Richard H., Inc., contractor, 246 W. 16th, New York.
Casey Trunk Co., 224 W. 35th, New York.
**CASH, A. W., CO.**, valves, regulators, etc., Decatur, Ill. *See adv. index at end of book.*
Cash, J. & J., Ltd., woven labels, cotton towels, So. Norwalk, Conn.
Cash Mercantile Co., adding machs., 326 Market, San Francisco, Cal.
Cash, R. E., contractor, Lincoln Inn Ct., Cincinnati, Ohio.
Cash, W. F., & Co., machinists, Hiawatha, Kan.
Cashen, John J., & Son, steam fitters' supplies, Meriden, Conn.
Cashier Cash Register Co., Los Angeles, Cal.
Cashion, J. B., & Sons, mattresses, Cornelius, N. C.
Cashman Bros. Co., contractors, Newburyport, Mass.
Cashman, John J., contractor, 44 Court, Brooklyn, N. Y.
Cashman, John, & Sons Co., contractors, 247 Atlantic av, Boston, Mass.
Cashman & McCarthy, cornices, 372 W. Fayette, Syracuse, N. Y.
Cashman Tool Co., jigs & fixtures, Waynesboro, Pa.
Cashmere Lbr. Co., Cashmere, Wash.
Cashmore, Jonathan, brick, Wadsworth, Ill.
Casket Hdwe. Mfg. Co., 820 W. Warren, Detroit, Mich.
Casket Interment Box Co., 4854 N. Clark, Chicago, Ill.
Caskey, C. R., Lbr. Co., 1123 B'way, New York.
Caskey-Dupree Mfg. Co., aut. switches, Marietta, Ohio.
Caskey & Keen, fndrs., 6th & Berks, Phila., Pa.
Caskey, Wm., & Son, castings (brass & bronze), York & Richmond, Philadelphia, Pa.
Casmento Specif Roofing Co., 103 Park av, New York.
Casna, J., & Co., granite, Quincy, Mass.
Cason-Monk & Co., hardware—wholesale, Nacogdoches, Tex.
Caspar, Chas. H., architect, N. W. cor 11th & Market, Philadelphia, Pa.
Casper, J. Burlap Bag Mfg. Co., Fitzgerald, Ga.
Caspar Lumber Co., Hobart Bldg., San Francisco, Cal.
Casparis Stone Co., Clinton Bldg., Columbus, Ohio.
C. A. S. Products Co., automobile gears, Columbus, Ohio.
Cass, B. T., & Co., picture frame mouldings, 2057 Emerson av, Chicago, Ill.
Cass., N. D., Co., nov., toys & games, Athol, Mass.
Cassady, D. L., & Bro., flour, Williamsport, W. Va.
Cassady-Fairbanks Mfg. Co., hdwe. specialties, 6126 S. La Salle, Chicago, Ill.
Cassard, Hamilton, sewing machines, Holliday & Pleasant, Baltimore, Md.
Cassaretto, John, contrs. & masons' & bldrs.' matls., 345 Berry, San Francisco, Cal.
Cassco Bar Metallic Packing Co., 3559 Lincoln av, Chicago, Ill.
Cassebeer, Walter H., architect, Sibley blk., Rochester, N. Y.
Cassel, A. A., Metal Co., scrap iron, 306 Milwaukee, Milwaukee, Wis.
Cassel, Jacob C., logs (gas), 2347 N. 7th, Philadelphia, Pa.
Cassell, Chas. M., architect, Portsmouth, Va.
Cassell, Fred, wood carving tools, Grand Rapids, Mich.
Casselman, C. W., cornices, Alliance, Ohio.
Casselman, Paul L., architect, 1215 Locust, Philadelphia, Pa.
Casselton Hardware Co., heating contractors, Casselton, N. D.
Cassidy, A. F., Corp., architects, 272 Beaumont, Brooklyn, N. Y.
Cassidy, Chas. J., Co., contrs., Southern bldg, Washington, D. C.
Cassidy, David D., architect, Amsterdam, N. Y.
Cassidy & Gallagher, contrs., 73 Elm, Albany, N. Y.
Cassidy, Jno., & Son, masons' & bldrs.' matls., Bangor, Me.
Cassidy, L. M., architect, 1343 N. Waco av, Wichita, Kans.
Cassidy Mfg. Co., plbrs. supplies, 1396 E. 65th, Cleveland, O.
Cassidy, S. W., architect, Herkimer, N. Y.
Cassidy & Co., Inc., machsts. & fndrs., 101 Park av, New York.
Cassini Mosaic & Tile Co., 1027 Broadway, Cincinnati, Ohio.

Casson, Robt. H., fndrs., Paterson, N. J.
Cassone, Joe H., architect, 506 Hamilton, Allentown, Pa.
Castagnos Cane Loader Co., Inc., Donaldsonville, La.
Castalia Portland Cement Co., Publication Bldg., Pittsburgh, Pa.
Castanedo Water, power plant contr., 1101 Hennen bldg., New Orleans, La.
Castle, A. M. & Co., boiler lugs, post caps, etc., 715 N. Morgan, Chicago, Ill.
Castle, A. M. & Co. of Wash., whol. hdwe., 91 Connecticut, Seattle, Wash.
Castle Bros., masons' & bldrs.' matls., Johnson pl, Brooklyn, N. Y.
Castle, C. E., contractor, Ogdensburg, N. Y.
Castle, Chas. L., billiard tables, Syracuse, N. Y.
Castle & Doyle, masons' & bldrs.' matls., Madison, Wis.
Castle, Gottheil & Overton, sulphite pulp, 200 5th av, New York.
Castle, Jas. M., Inc., fire extinguishers, Lincoln bldg, Phila, Pa.
Castle, Montague, London Co., glass stainers, 126 6th av., New York.
Castle Refrigerating Mach. Co., Indianapolis, Ind.
Castle, Wilmot, Co., sterilizers, Rochester, N. Y.
Castleberry & Flewellen Planing Mill Co., Longview, Tex.
Castner, J. P., stone, Changewater, N. J.
Castor, Horace W., architect, Stephen Girard bldg, Phila., Pa.
Casualty Co. of America, accident & employers' liability ins., 298 B'way, New York.
Caswell Constr. Co., Inc., 428 S. Salina, Syracuse, N. Y.
Caswell Mfg. Co., machsts. & fndrs., Cherokee, Ia.
Catalogue Equipment & Supply Co., advtg. novelties & spec., Allston, Boston, Mass.
Catalytic Chem. Co., phthalic anhydride, Berkeley, Cal.
Cataract City Milling Co., flour & feed mills, Niagara Falls, N. Y.
Cataract Refining & Mfg. Co., lubricating oils & greases, Buffalo, N. Y.
Catasauqua Gong & Stamping Wks., Catasauqua, Pa.
Catawba Fertz. Co., Lancaster, S. C.
Catchpole Boiler, Fndry. & Mach. Co., Geneva, N. Y.
Cate, James & Son, Co., flour mills, Hopkinsville, Ky.
Catelain, A. G., hose clamps, 1446 Indiana av, Chicago, Ill.
Cately & Ettling, auto. top & carriage bows, Cortland, N. Y.
Cates, H. M., & Son, machsts. & fndrs., Houlton, Me.
Cates Machine Works. See Auto Tire Exchange (successor).
Cathedral Candle Co., Syracuse, N. Y.
Cathell Bros. & Co., steel plate wk., etc., Fort av & Lawrence, Baltimore, Md.
Catholic University School of Technological Sciences, engng. schools and coll., Washington, D. C.
Cathrae, John H., & Son, engrs., Marquette Bldg., Chicago, Ill.
Cathrein Mfg. Co., skate straps, 1824 Linden, B'klyn, N. Y.
Cathroe, H. J., & Co., contractors, Brandeis Bldg., Omaha, Neb.
Cating Rope Wks., Maspeth, N. Y.
Catlin, Elmer, H., Co., 309 13th, N. W., Washington, D. C.
Catlin, R. H. Co., fire brick, lbr. & sewer pipe, Wilmington, Del.
Catlin, W. J., & Bro., dry docks, & marine rys., Whitehaven, Md.
Catrano & Federico, contrs., New Orleans, La.
Catskill Cement Co., Cementon, N. Y.
Catskill Fdry. & Mach. Co., Catskill, N. Y.
Cattaraugus Cutlery Co., Little Valley, N. Y.
Cattie Bros. Co., galvanizing & tinning, 1706 N. Howard, Philadelphia, Pa.
Catz American Co., Inc., crude rubber imp., 59 Pearl, New York.
Cauble, H. W., cornices, 666 W. 63d, Chicago, Ill.
Caughlin, T. P., contractor, 30 N. La Salle, Chicago, Ill.
Cauldwell, Albert M., architect, 251 Kearney, San Francisco, Cal.
Cauldwell, Wingate Co., contractors, 381 4th av, New York.
Caulkins, H. J., & Co., china kilns, State & Griswold, Detroit, Mich.
Caulkins, W. E. & Son, contractors, Hartford, Conn.
Caummisar, T. C., & Sons, corn brooms, excelsior mfrs., Louisville, Ky.
Cauter, E. A., pocket knife cases, 204 Church, New York.
Cavagnaro, Jno. J., textile machy., etc., Harrison, N. J.
Cavanagh Bros. & Co., wholesale hdwe., 89 Warren, New York.
Cavanaugh, C., masons' & bldrs., matls., Carbondale, Pa.
Cavanaugh, J. H., & Sons, lumber, Anacortes, Wash.
Cavanaugh-Linn Co., contractors, Citizens Bldg., Cleveland, Ohio.
Cavanaugh Packing Co., meat, Muncie, Ind.
Cavanaugh, Thos. L., contractor, 288 Catherine, Detroit, Mich.
Cave Welding & Mfg. Co., oxy-acetylene welding app. & supps., 32 Liberty, Springfield, Mass.
Cavicchi Polishing Mach. Co., floor surfacing machs., Quincy, Mass.
Cavitt, J. H., lbr., Camas, Wash.
Caward, R. S., agricultural implements, grubbing machines, etc., Cresco, Ia.
Cawley, Clarke & Co., color mfrs. & imptrs., 272-280 Passaic, Newark, N. J.
Cawley, Edw., masons' & bldrs.' matls., Lowell, Mass.
Cawn Mining & Mfg. Co., paint mfrs., Canton, Ohio.
Cawood Novelty Mfg. Co., advtg. novelties, fly killers, Danville, Ill.
C-A-Wood-Preserver Co., Fullerton bldg., St. Louis, Mo.
Caw's Pen & Ink Co., 78 Reade, New York.
Caxton School Supply Co., school furniture & blackboards, 560 W. Monroe, Chicago, Ill.
Cayce Milling Co., flour, Cayce, Ky.
Cayuga Cement Corp., Portland Point, N. Y.
Cayuga Linen & Cotton Mills, Auburn, N. Y.
Cayuga Milling Co., feed, Cayuga, Ind.
Cayuga Packing & Mfg. Co., Cayuga, Ind.
Cayuga Tool Steel Co., Ltd., Auburn, N. Y.
Cayuta Mfg. Co., machsts. & fndrs., Sayre, Pa.
Cazanas, Nickoloas, contractor, Lowell, Mass.
Cazenovia Canning Co., Cazenovia, N. Y.
C. & B. Clay Co., fire brick, Canton, Ohio.
C. B. Lbr. & Shingle Co., Everett, Wash.
C. C. Collins Lbr. Co., Rhinelander, Wis.
C. C. C. Fire Hose & Rubber Co., Canton Junction, Mass.
C. & D. Machy. Exchange, dlrs. & laundry machy., Cinn., O
Cecil, D. K., contractor, Lexington, N. Car.
Cecil Lbr. Co., Orvisburg, Miss.
Cedar Bluff Marble Co., Knoxville, Tenn.
Cedar Bluff Roller Mills, flour, Cedar Bluff, Va.
Cedar City Mills, flour, Lebanon, Tenn.
Cedar Falls Canning Co., Cedar Falls, Ia.
Cedar Glenn Canning Co., Bedford, Va.
Cedar Grove Mfg. Co., cotton towels, 65th av & 21st, Phila.,
Cedar Hill Roller Mill, flour mills, Cedar Hill, Tenn.
Cedar Products Co., pencil timber, Alton Park, Tenn.
Cedar Rapids Canning Co., Cedar Rapids, Ia.
Cedar Rapids Carriage Works, Cedar Rapids, Ia.
Cedar Rapids Cornice Co., Cedar Rapids, Ia.
Cedar Rapids Fndry. & Mach. Co., Cedar Rapids, Ia.
Cedar Rapids Lumber Co., Cedar Rapids, Ia.
Cedar Rapids Pump Co., Cedar Rapids, Ia.
Cedar Rapids Sash & Door Co., Cedar Rapids, Ia.
Cedar River Lumber Co., 914 Plymouth Bldg., Minneapolis, M
Cedar Shingle Co., lumber, Elbe, Wash.
Cedar Springs Mfg. Co., lumber, Adairsville, Ga.
Cedar-Sweep Co., sweeping compound, Los Angeles, Cal.
Cedarburg Canning Co., Cedarburg, Wis.
Cedarburg Wire & Wire Nail Co., Cedarburg, Wis.
Cedarburg Woolen Mills, woolen blankets, Cedarburg, Wis.
Cedarine Co., furn. polish, Clinton, N. Y.
Cedarstrand, Aug., & Co., contractors, 984 Central av, Minneapolis, Minn.
Cedartown Fdry. & Mach. Co., Cedartown, Ga.
Cedartown Iron Co., blast furnaces, Cedartown, Ga.
Ceiro Pasco Mining Co., 15 Broad, New York.
Celina Brick Mfg. Co., Celina, Ohio.
Cefaratt, D., architect, 218 Columbus bldg, Cleveland, Ohio
Celina Machine Works, Celina, Ohio.
Celina Mfg. Co., machinists, Celina, O.
Celina Specialty Co., metallic furniture, Celina, O.
Celina Stearic Acid Co., Celina, Ohio.
Celite Products Co., insulation, Van Nuys bldg., Los Angel Cal.
Cell Drier Machine Co., machsts. & fndrs., Taunton, Mass.
Cella, John B., architect, 738 Broad, Jersey City, N. J.
Celluloid Co., celluloid mfrs., 36 Washington pl., New York
Celluloid Starch Co., 43 W. 36th, New York.
Celluloid Zapon Co., lacquer & enamels mfrs., 200 5th New York. *See adv. index at end of book.*
Ceman, Julius F., contractor, Berlin, Wis.
Cement Casket Mfg. Co., Albion, Mich.
Cement & Engng. News, trade publication, 610 S. Dear Chicago, Ill.
Cement-Gun Co., Allentown, Pa.
Cement-Gun Construction Co., 914 S. Michigan av, Chicago.
Cement & Lime Products Co., Denver, Colo.
Cement, Gypsum & Lime Mfrs. Dir., trade publication, M nock bldg, Chicago, Ill.
Cement Tile Machy. Co. See Stewart Mfg. Co. (successor
Cement Mill & Quarry, trade publication, Monadnock Chicago, Ill.
Cement Machy. Co., Jackson, Mich.
Cement Products Co., tanks, septic, Wilmington, N. C.
Cement World. See Engineering World (successor).
Centadrink Filters Co., 1440 B'way, New York.
Centaur Lime Co., Centaur Station, Mo.
Centennial Mill Co., farina, Seattle, Wash.
Centennial Mill Co., feed, Avoca, Ia.
Center Point Canning Co., Center Point, Ia.
Center Shaft Penholder Co., Hanover, Pa.
Centerpoint Roller Mill Co., flour, Centerpoint, Tex.
Centerville Brick Co., Centerville, Ia.
Central Archl. Iron Wks., 53 W. Jackson blvd, Chicago, I
Central Asbestos & Magnesia Co., 214 W. Grand av., Chicag
Central Auto Body Co., 15 Orchard, Hartford, Conn.
Central Bag Mfg. Co., burlap & cotton bags, 3622 Iron, Ch Ill.
Central Belting Co., 41 W. 21st, New York.
Central Boiler & Supply Co., Grand Rapids, Mich.
Central Boiler Works, tanks, smoke stacks, etc., 1297 R Detroit, Mich.
Central Box Board Co., 43d & Racine av, Chicago, Ill.
Central Brass Co., fndrs., New Haven, Conn.
Central Brass & Fixture Co., auto accessories, Springfield,
Central Brass Fdry., 1229 W. Randolph, Chicago, Ill.
Central Brass Foundry, Toledo, O.
Central Brass Mfg. Co., plumbers' supplies, 6206 Cedar E., Cleveland, Ohio.
Central Brass & Stamping Co. See Nelson, L. R. (success

al Brass Wks. Co., fndrs., Kansas City, Mo.
al Bronze & Brass Fdry., 714-716 Cherry, Phila., Pa.
al Broom Co., Jefferson City, Mo.
al Building Co., contrs., 58 Front, Worcester, Mass.
al Burglar Alarm Co., time switches, 501 Rush, Chicago, l.
al California Canneries, San Francisco, Cal.
al Casket Co., Buffalo, N. Y.
al Chandelier Co., elec. light fixture mfrs., 1547 Fulton, hicago, Ill.
al Chandelier Co., 224 Centre, New York.
al Chemical Co., 115 W. Washington, Chicago, Ill.
al Chemical Co., fertilizer mfrs., Hagerstown, Md.
al City Bolt Co., Syracuse, N. Y.
al City Brick Mfg. Co., Central City, Ky.
al City Bung Co., wooden plugs, Huntington, W. Va.
al City Chemical Co., fumigators, 4250 N. Crawford av, hicago, Ill.
al City Lumber & Mfg. Co., Central City, Ky.
al City Paving Co., contrs., Union Bldg., Syracuse, N. Y.
al City Wheel Wks., Syracuse, N. Y.
al Clay Products Co., brick, North Tonawanda, N. Y.
al Coal & Coke Co., Keith & Perry Bldg., Kansas City, Mo.
al Coal & Lbr. Co., Houston, Tex.
al Commercial Co., asphalt, rosin, silica mfrs., 111 N. arket, Chicago, Ill.
al Concrete Const. Co., contrs., Louisville, Ky.
al Construction Co., 228 Southampton, Boston, Mass.
al Constr. Co., Sheboygan, Wis.
al Constr. & Supply Co., asphalt paving contrs., Harris-rg, Pa.
al Contracting Co., contractors, Keystone Bldg, Pittsburgh, a.
al Co-operative Union of Flax Industries, 136 Liberty, ew York.
al Cornice & Roofing Wks., Decatur, Ill.
al Cornice & Skylight Wks., Irvington, N. J.
al Cornice Wks., 336 W. 37th, New York.
al Cornice Wks., 345 N. Frazer, Philadelphia, Pa.
al Cornice Wks., Sioux City, Ia.
al Cotton Oil Co., Jackson, Miss.
County Lime Co., Bellefonte, Pa.
al Cut Glass Co., 1114 E. 63d, Chicago, Ill.
al Cypress Co., lumber, Centralia, Fla.
al Distributing Co., mill & facty. supplies, 316 Harper, etroit, Mich.
al Door & Lbr. Co., 481 Glisan, Portland, Ore.
al Dredging Co., Swetland Bldg., Cleveland, Ohio.
al Dry Plate Co., Orchard & McLaran, St. Louis, Mo.
al Dyestuff & Chemical Co., Newark, N. J.
al Electric Co., lighting systems, plugs & receptacles, 320 5th av, Chicago, Ill.
al Electric & Lock Co., elec. supp. jobbers, 12 N. 13th, hila., Pa.
al Engineering Co., Davenport, Ia.
al Flatiron Mfg. Co., gas & sad irons, Johnson City, N. Y.
al Fdry. Co., Ft. Wayne, Ind.
al Fdry. Co., grey iron castings, 338 N. May, Chicago, Ill.
al Fdry. Car Co., Irvona, Pa.
al Fdry. Co., Hamilton, Ohio.
al Fdry. Co., Marshalltown, Ia.
al Foundry Co., pipe mfrs., 90 West, New York.
al Fdry. Co., Webb City, Mo.
al Foundry Supply Co., P. O. Box 945, Columbus, Ohio.
al Frog & Switch Co., Cincinnati, Ohio.
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al Gas & Electric Fixture Mfg. Co., 805 Vincent av, N. E., eveland, Ohio.
al Georgia Guano Co., Milledgeville, Ga.
al Georgia Plumbing & Heating Co., Macon, Ga.
al Glass Co., Inc., plate glass mirrors & bevelers, Evans-le, Ind.
al Glass Works, Wheeling, W. Va.
al Granite Co., Barre, Vt.
al Hard Fibre Co., W. Somerville, Mass.
Hdwe. Co., plbrs. supplies, St. Louis, Mo.
Hardware & Harness Co., Ironton, Ohio.
al Hardware & Supply Co., Patton, Pa.
al Illinois Light Co., 316 S. Jefferson, Peoria, Ill.
Iowa Fuel Co., coal min., Des Moines, Ia.
Iron & Coal Co., 90 West, New York.
Iron & Steel Co., steel plate mfrs., Harrisburg, Pa.
Iron Wks., 939 W. Lake, Chicago, Ill.
al Iron Wks., 420 E. 48th, New York.
Iron Works, 2050 Bryant, San Francisco, Cal.
Ky. Carriage Co., Danville, Ky.
Knitting Co., sweaters, cardigans, etc., 772 Madison. ooklyn, N. Y.
al Lake Canning Co., Central Lake, Mich.
Leather Co., sole leather mfrs., 17 Battery pl, New York
Loose Leaf Co., Benton Harbor, Mich.
Lumber Co., mouldings, brackets, etc., Chattanooga, nn.
Lumber Co., Williamson Bldg., Cleveland, Ohio.
Lumber Co., Hudson & Oshkosh, Wis.
Lumber Co., Jackson, Tenn.

Central Lbr. Co., Mentone, Ind.
Central Lbr. Co., 838 McKnight Bldg., Minneapolis, Minn.
Central Lbr. Co., Reading, Pa.
Central Mach. Co., paper cutting & printing press machs., etc., Niagara Falls, N. Y.
Central Machine Co., machsts., 7th & Wood, Philadelphia, Pa.
Central Mach. Elec'l Repair Shop, Portsmouth, Ohio.
Central Mach. & Fdry. Co., brass & iron castings & soot blowers, Marion, Ind.
Central Mach. & Supps. Co., terminals & tips, 148 Chambers New York.
Central Machine & Tool Co., Toledo, Ohio.
Central Mach. Wks., Indianapolis, Ind.
Central Machine Works, Los Angeles, Cal.
Central Machine Works, special machinery & tools, 12th & Tyler, St. Louis, Mo.
Central Mach. Wks. & Auto Co., Sioux City, Iowa.
Central Machine Wks. Co., 1234 Central Av., Minneapolis, Minn.
Central Machy. Mfg. Co., machsts., Los Angeles, Cal.
Central Mfg. Co., auto. bodies & seats, Connersville, Ind.
Central Mfg. Co., desk mfrs., 454 Armour, Chicago, Ill.
Central Mfg. Co., masons' & bldrs.' matls., Macon, Ga., & Roanoke, Va.
Central Mfg. & Lumber Co. (Ltd.), S. Salcedo & Perdide, New Orleans, La.
Central Metal & Supply Co., plumbers supplies, wholesale, 611 E. Lombard, Baltimore, Md.
Central Mills Co., cordage & twine, Southbridge, Mass.
Central Mosaic & Tile Co., Memphis, Tenn.
Central Motor Co., machsts., Hamilton, Ohio.
Central Neb. Millwork Co., sashes, doors & blinds, Hastings, Neb.
Central N. Y. Concrete Co., Inc., 100 State, Albany, N. Y.
Central Oil & Gas Stove Co., Gardner, Mass.
Central Oolitic Stone Co., Bloomington, Ind.
Central Optical Co., optical goods, Southbridge, Mass.
Central Paint & Supply Co., Ry. Exch. Bldg., St. Louis, Mo.
Central Paper Co., Muskegon, Mich.
Central Paper & Tablet Co., Indianapolis, Ind.
Central Paving Co., contractors, 179 W. Washington, Chicago, Ill.
Central Penna. Lumber Co., Williamsport, Pa.
Central Planning Mill & Lumber Co., Louisville, Ky.
Central Plumbers' Supply Co., 252 Pearl, New York.
Central Pocahontas Coal Co., Welch, W. Va.
Central Products Co., correction salts, 1352 Wells, Chicago, Ill.
Central Radiator Co., Lansdale, Pa.
Central R'way Signal Co., flags, First National Bk. Bldg., Pittsburgh, Pa.
Central Refining Co., oils, petroleum & its products, Lawrenceville, Ill.
Central Rope Mfg. Co., 181 Scholes, Brooklyn, N. Y.
Central Rubber Co., mechanical rubber goods, 154 N. 7th, Philadelphia, Pa.
Central Rubber & Supply Co., mill supplies, 120 S. Meridian, Indianapolis, Ind.
Central Sash & Door Co., Topeka, Kans.
Central Scientific Co., laboratory equipment, 460 E. Ohio, Chicago, Ill.
Central Sewer Pipe & Supply Co., masons' supplies, Steubenville, Ohio.
Central Sheet Metal Wks., 260 E. 78th, New York.
Central Silica Co., Zanesville, Ohio.
Central Smelting & Refining Co., Borden av & Haywood, Long Island City, N. Y.
Central Soap Mfg. Co., 2671 E. 75th, Cleveland, Ohio.
Central Specialty Co., castings, 1653 St. Aubin av, Detroit, Mich.
Central Specialty Mfg. Co., machsts., 508 S. Peoria, Chicago, Ill
Central Sq. Hdwe. Co., mill & facty. supplies, Cambridge, Mass.
Central Stamping Co., enameled, galvanized & tinware mfrs., 172 Fulton, New York.
Central States Bridge Co., 601 Beecher, Indianapolis, Ind.
Central States Canning Co., Indianapolis, Ind.
Central Station, trade publication, 62 Park Row, New York.
Central Station Steam Co., meters, separators, traps, steam, etc., 710 Woodbridge, E. Detroit, Mich.
Central Steel Co., Massillon, O.
Central Supply Co., heating contr., steam fitters' supplies, Worcester, Mass.
Central Supply Co., janitors' supplies, 28 S. William, New York. York
Central Supply Co., mill & facy. supplies, Little Rock, Ark.
Central Supply Co., mill & factory & plumbers' supplies, jobbers, 312 S. 3rd, Minneapolis, Minn.
Central Supply Co., plumbers' supplies, jobbers, Indianapolis, Ind.
Central Tel. & Elec. Co., bicycle lamps, 310 N. 11th, St. Louis, Mo.
Central Tool & Die Co., Dayton, O.
Central Tool & Supply Co., tools, bolts, etc., 803 W. Madison, Chicago, Ill.
Central Tube Co., 1st Nat'l Bank Bldg., Pittsburgh, Pa.
Central Unadilla Silo Co., Des Moines, Ia.
Central Valley Machy., Well & Supply Co., Belleville, Ill.
Central Veneer Co., Indianapolis, Ind.

Central Warehouse Lumber Co., Phillsbury and Territorial, Minneapolis, Minn.
Central Wire & Iron Wks., wire guards, enclosures, partitions, railings, etc., Des Moines, Iowa.
Central Wire & Iron Wks., Indianapolis, Ind.
Central Wire & Iron Wks., 309 Gratiot, St. Louis, Mo.
Central Wood Turning Co., book cases, 610 N. E. Main, Minneapolis, Minn.
Central Woodworking Co., sash door & blind mfrs., 113 Central av, Newark, N. J.
Centralia Coal Co., 343 S. Dearborn, Chicago, Ill.
Centralia Envelope Co., Centralia, Ill.
Centralia Pulp & Water Paper Co., Grand Rapids, Wis.
Centralized Ball Mill Co., Monadnock Bldg., San Francisco, Cal.
Centre Foundry & Machine Co., castings, Wheeling, W. Va.
Centrifugal Pump Co., 434 Canal, New York.
Century Button Wks., 25 W. 38th, New York.
Century Cement Machine Co., Rochester, N. Y.
Century Constr. Co., airplane parts & supps., Buffalo, N. Y.
Century Cork Co., 220 W. 19th, New York.
Century Electric Co., fans & motors, 19th & Pine, St. Louis, Mo.
Century Elec'l Co., armature & field testing instruments & devices, Syracuse, N. Y.
Century Fuel Co., silica sand, 328 W. 37th, Chicago, Ill.
Century Iron Co., 1453 Niagara, Buffalo, N. Y.
Century Machine Co., bakers' machinery, Oakley, Cincinnati, Ohio.
Century Mfg. Co., automobile bldrs., stor. battery trucks, 133 E. Canfield, Detroit, Mich.
Century Mfg. Co., carriages, East St. Louis, Ill.
Century Mfg. Co., draughting tables, Cleveland, Ohio.
Century Mfg. Co., fndrs., 453 Canal, New York.
Century Mfg. Co., waterproofing materials, varnish, 272 W. Genesee, Buffalo, N. Y.
Century Materials Co., cattle guards for rys., Monadnock Blk., Chicago, Ill.
Century Metal Spinning & Stamping Co., 49 Elizabeth, New York.
Century Ornamental Glass Co., 5039 Delmar, St. Louis, Mo.
Century Pen Co., Whitewater, Wis.
Century Plainfield Tire Co., tires, North av, Plainfield, N. J.
Century Pump Co., 719 6th, Brooklyn, N. Y.
Century Pump Wks., Carthage, Mo.
Century Stained Glass Works, memorial windows, 212 S. 11th, Phila., Pa.
Century Stearic Acid Candle Wks., 380 South, New York.
Century Steel Co. of America., Poughkeepsie, N. Y.
Century Stove & Mfg. Co., Johnstown, Pa.
Century Telephone Const. Co., Buffalo, N. Y.
Century Tool & Metal Co., welding compounds & plates, 180 N. Market, Chicago, Ill.
Century Varnish Co., 272 W. Genesee, Buffalo, N. Y.
Century Ventilating Co., 257 3d av, New York.
Ceppi, A., Co., picture frame moldings, 101 B'way Exch., Boston, Mass.
Ceramic Equipt. Co., brick dryers, Trenton, N. J.
Ceramic Mach. Co., Hamilton, Ohio.
Ceramic Supply & Construction Co., gas producers, Columbus, Ohio.
Cereal Food Co., canned, Peoria, Ill.
Cereal Mills Co., flour, Wausau, Wis.
Cereghino, D., machsts., 4445 Mission, San Francisco, Cal.
Ceresit Waterproofing Co., 110 S. Dearborn, Chicago, Ill.
*See adv. index at end of book*
Cerny, Jerry J., architect, 1444 S. Crawford av, Chicago, Ill.
Cerny-Pickas & Co., archl. iron, 3321 S. Crawford av, Chicago, Ill.
Cerro Gordo Mines Co., ores, San Jose, Cal.
Cerro de Pasco Mining Co., 15 Broad, New York.
Cerro Montoso Lbr. Co., Las Vegas, N. M.
Certain-teed Products Corp., roofing, paints, varnishes, etc., Boatman's Bank bldg, St. Louis, Mo.
Certus Cold Glue Co., 28 E. Hennepin av, Minneapolis, Minn.
Cervin, Olof Z., architect, Rock Island, Ill.
Cevasco, Cavagnaro & Ambrette, macaroni machinery manfrs., 156 6th, Brooklyn, N. Y.
Chace, Andrew R., granite, E. Providence, R. I.
Chace, Leonard S., mill & facty. supplies, Fall River, Mass.
Chace Mills, shade cloth mfrs., Fall River, Mass.
Chadborn & Coldwell Mfg. Co., lawn mowers & trimmers, Newburgh,N. Y.
Chadbourn Lbr. Co., Wilmington, N. C.
Chadbourne & Moore, webbing, Chelsea, Mass.
Chadbourne-Walker Machine Screw Co., 100 Sudbury, Boston, Mass.
Chadburn Economy Burner Co., water heaters, Savings Bank Bldg., Newburgh, N. Y.
Chadburn & Edwards, contractors, Yonkers, N. Y.
Chadburn, M. J., carriages, Yonkers, N. Y.
Chadeloid Chemical Co., paint remover, 100 William, New York.
Chadwick-Boston Lead Co., 162 Congress, Boston, Mass.
Chadwick Engineering Wks., Pottstown, Pa.
Chadwick-Hoskins Co., cotton sheetings, Charlotte, N. C.
Chadwick, J. & Bros., cotton thread, ft. of Lembeck av, Jersey City, N. J.
Chadwick, L. L., contractor, 112 E. Lake, Minneapolis, Minn.
Chadwick & Morris, who. h'dwe., Lockport, N. Y.
Chadwick & Sykes, contractors, Crocker Bldg., San Francisco Cal.
Chadwick & Trefethen, mill & facty. supplies, Portsmouth, N. H.
Chadwick, W. H., brick, Dayton, Ohio.
Chadwick, W. W., brick & tile, Condit, Ohio.
Chafer Co., htg. contrs., 431 Champlain av, N. W., Cleveland Ohio
Chaffee Bros. Co., packing boxes & box shooks, cloth board store trunks, etc., Oxford, Mass.
Chaffee Mfg. Co., cable cords, fish line mfrs., Willimantic, Conn
Chaffee, Thos. K., Co., paint mfrs., 115 Wickendon, Providence R. I.
Chaffin Bros., stone prod., Kokomo, Ind.
Chafflee's, F., Sons, lbr., Rutland, Vt.
Chaille, D., Jr., architect, Laredo, Tex.
Chain Belt Co., 736 Park, Milwaukee, Wis.
Chain Products Co., 3924 Cooper av, Cleveland, Ohio.
Chalfant, A. M., masons' & bldrs. matls., Sharpsburg, Pa.
Challenge Co., agricultural implements, Batavia, Ill.
Challenge Cutlery Corp., Bridgeport, Conn.
Challenge Machine Co., dressers & guards (emory wheel), 51 Springfield av, Phila., Pa.
Challenge Machy. Co., Grand Haven, Mich.
Challenge Refrigerator Co., Grand Haven, Mich.
Challenge Tube Cleaner Co., 63 Market, Lowell, Mass.
Challoner Co., machsts. & fndrs., Oshkosh, Wis.
Chalmers Chem. Co., paint & varnish remover, 115 Chestnut, Newark, N. J.
Chalmers, Harvey & Son, pearl buttons, Amsterdam, N. Y.
Chalmers Mfg. Co., castings, Lima, O.
Chalmers & Williams Mfg. Co., rock crushers, etc., Chicago Hghts., Ill.
Chalstrom, J. E., contrs., Joliet, Ill.
Chamberlain, A. P., stone, Denison, Tex.
Chamberlain Co., drain pipe cleaners, 305 Penn av, Pittsburg, Pa.
Chamberlain Constr. Co., Seattle, Wash.
Chamberlain, F. R., & Co., masons' & bldrs.' matls., Wellsville, N. Y.
Chamberlain, G. Howard, architect, 18 S. B'way, Yonkers, N. Y.
Chamberlain, J., & Sons, contractors, Asbury Park, N. J.
Chamberlain, John G., masons' & bldrs.' matls., Bordentown, N. J.
Chamberlain Mach. Works, Waterloo, Ia.
Chamberlain, R. T., & Sons, contractors, 142 E. 5th, So., Salt Lake City, Utah.
Chamberlin Cartridge & Target Co., ammunition, 514 Prospect av, Cleveland, Ohio.
Chamberlin Co., advtg. counsellors, Kresge Bldg., Detroit, Mich.
Chamberlin, G. A., contr., Mobile, Ala.
Chamberlin, E. B., & Co., fertilizer mfrs., Highstown, N. J
Chamberlin, James B., architect, Newtown, Pa.
Chamberlin & Johnson, sealing wax, 1238 Voskamp, Pittsburg, Pa.
Chamberlin Metal Weather Strip Co., 109 3d av, Detroit, Mich.
Chamberlin Rubber Co., Rochester, N. Y.
Chambers, A. J., contractor, Millville, N. J.
Chambers, A. Reeder, fire brick, clay, etc., Trenton, N. J.
Chambers, B. W., contrs., 737 S. St. Clair, Toledo, O.
Chambers & Barnes, contrs., Rochester, N. Y.
Chambers, Bering, Quinlan Co., faucets, steel, slack barrel & hog rings & soldering irons, Decatur, Ill.
Chambers Bros. Co., brick & clay wkg. machy., 52nd below Lancaster av, Phila., Pa.
Chambers, F. M., contrs., Rock Island, Ill.
Chambers, Geo., contractors, Powers Bldg., Rochester, N. Y.
Chambers, Henry, contr., 6475 Frankstown av, Pittsburgh, Pa.
Chambers, J. B., contractor, Youngstown, Ohio.
Chambers, J. H., lumber, Cottage Grove, Ore.
Chambers Mfg. Co., gas stoves & ranges, Shelbyville, Ind.
Chambers, M. W., broom corn, Dayton, Ohio.
Chambers, S. K., & Bro., masons' & bldrs.' matls., West Grove, Pa.
Chambers & Son, contractors, Chattanooga, Tenn.
Chambers, Walter B., architect, 111 E. 40th, New York.
Chambers, W. H., & Son, contrs., Newcastle, Pa.
Chambersburg Engng. Co., machinery mfrs., Chambersburg, Pa.
Chambersburg Fdry & Mach. Co., engines, Chambersburg, Pa.
Chambley, Alex., contractor, 2057 Sumner, Philadelphia, Pa.
Champaign Bros., machsts., Ithaca, N. Y.
Champion Bed Spring Co., E. 37th, Cleveland, Ohio.
Champion Blower & Forge Co., Lancaster, Pa.
Champion Brass Works, machsts. & fndrs., Coldwater, Mich.
Champion Brick Co., 110 Lexington, Baltimore, Md.
Champion Brick Co., Mechanicsville, N. Y.
Champion Bridge Co., Wilmington, Del.
Champion Button-Hole Mach. Co., 641 Atlantic av, Boston, Mass.
Champion Button Wks., 104 W. 30th, New York.
Champion Carbon Co., dry batteries, 1st National Bank Bldg., Cincinnati, Ohio.
Champion Chemical Wks., chloride of lime, lye, 19 W. Austin, Chicago, Ill.
Champion Coated Paper Co., paper & pulp mills, Hamilton, O.
Champion Compound Co., boilers, Lehigh av & Mutter, Phila., Pa.
Champion Cutter & Fixture Co., paper cutter, Piqua, O.
Champion Drill Co., Avon, N. Y.

pion Engineering Co., The, electric traveling cranes, enton, Ohio. *See adv index at end of book*
pion Evaporator Co., Hudson, Ohio.
pion Feed Milling Co., Clinton, Ia.
pion Fibre Co., Hamilton, Ohio.
pion Foundry Machinery Co., riddles, 2419 W. 14th, Chiago, Ill.
pion Hdwe. Co., Geneva, Ohio.
pion Horse Shoe Co., Pawtucket, R. I.
pion Ignition Co., spark plugs, Flint, Mich.
pion International Co., paper & pulp mills, Lawrence, Mass.
pion Iron & Wire Wks., Omaha, Neb.
pion Iron Works, Kenton, Ohio.
pion & Levien, Inc., contrs., 48 E. 10th, New York.
pion Machine & Forging Co. (The), drop forgings, 3690 . 78th, Cleveland, O. *See adv index at end of book.*
pion Machy. Co., Joliet, Ill.
pion Mfg. Co., bolt, nut & rivet mfrs., 7332 Kimbark av, hicago, Ill.
pion Mfg. Co., machsts. & fndrs., Rocky Hill, Conn.
pion Mfg. Co., water cooling radiators, 552 Golden Gate av, an Francisco, Cal.
pion Metal Deather Strip & Parting Bead Co., 12 Colmbia, Boston, Mass.
pion Milk Cooler Co., Cortland, N. Y.
pion Paper Co., Carthage, N. Y.
pion Paper Cutter Co., Piqua, Ohio.
pion Potato Machinery Co., Hammond, Ind.
pion Rivet Co., Harvard av & E. 108th, Cleveland, Ohio.
pion Shoe Machinery Co., 3727 Forest Pk. blvd., St. Louis, lo.
pion Silk Co., silk thread, Pottstown, Pa.
pion Spark Plug Co., Toledo, Ohio.
pion Stove Co., 4001 W. 25th, Cleveland, Ohio.
pion, Thomas E., canned goods, Normal, Ill.
pion Tool Co., machinists, Meadville, Pa.
pion Tool & Handle Co., log hooks, Evart, Mich.
pion Tool Works, Div. Acme Machine Tool Co., lathes, 955 Spring Grove av, Cincinnati, Ohio.
pion Wagon Co., auto. wood bodies & storage battery rucks, Owego, N. Y.
pion Wire & Iron Wks., bk. & office railings, Louisville, Ky.
plain Mfg. Co., interior finish, Burlington, Vt.
plin Hardware Co., Enid, Okla.
plin, Wm. H., lbr., packing boxes, Rochester, N. H.
pney, E. F., architect, Henry Bldg., Seattle, Wash.
e, Geo. W., architect, 47 W. 34th, New York.
e, Geo. Whitefield, architect, Harrison Bldg., Phila., Pa.
e Mfg. Co., arresters & guy anchors, Centralia, Mo.
ellor, S. D., rims & felloes, Wilmington, Ohio.
e's, R. C., Sons, canned goods, 122 Pine, Philadelphia, Pa.
lee, H. P., Sons Co., household specialties, mfrs., 114 W. ombard, Baltimore, Md.
lee, Ira W., canned goods, Slab, Pa.
ler & Ballard Co., canned goods, Exmore, Va.
ler & Barber Co., whol. hdwe., 124 Summit, Boston, Mass.
ler-Boyd Supply Co., mill & facty. supplies, 47 Terminal y., Pittsburgh, Pa.
ler Bros., lbr., New Gloucester, Me.
ler & Co., masons' & bldrs.' matls., Knoxville, Tenn.
ler Co., name plates & light stampings, Springfield, Mass.
ler Construction Co., 31 State, Boston, Mass.
ler & Farquhar Co., whol. hdwe., machsts., mill & facty. pplies, belt shifters, wire straightening machy., etc., 36 ederal, Boston, Mass.
ler, Francis W., archit., 195 Marlborough, Boston, Mass.
ler, Geo. M., ties, poles & posts, Onaway, Mich.
ler, Geo. M., Co., gen'l. contractors, 1523 W. Market, Inanapolis, Ind.
ler, H. S., architect, 755 Boylston, Boston, Mass.
ler Mach. Co., Ayer, Mass.
ler Mach. Co., Kokomo, Ind.
ler & Maps, masons' & bldrs.' matls., Long Branch, N. J.
ler & Morse, mill & facty. supplies, Putnam, Conn.
ler Motor Car Co., E. 131st & St. Clair av, Cleveland, O.
ler Oil Cloth & Buckram Co., East Taunton, Mass.
ler & Park, architects, 400 S. Main, Racine, Wis.
ler & Price Co., machy. (presses), 6000 Carnegie av, eveland, Ohio.
ler Pump Co., Cedar Rapids, Ia.
ler Pump & Supply Co., mill & facty. supplies, Kansas ty, Mo.
ler Pumps Co., machinists, Kansas City, Mo.
ler, T. P., architect, 112 S. 16th, Philadelphia, Pa.
ler & Taylor Co., engines, Indianapolis, Ind.
ler, W. G., architect, Marshfield, Ore.
ley Co., mattresses, Worcester, Mass.
. A. B., architect, Battle Creek, Mich.
, J. H. & Son Co., contrs., 189 W. Madison, Chicago, l.
Mfg. Co., barometers, thermometers, Springfield, Ohio.
H Chemical Co., floor & furniture polish, 4501 Western vd, Chicago, Ill.
on & Dufva Co., mill & facty., plumbers' & steam fitters' pplies, Rock Island, Ill.
on-Emery Stove Co., founders, Quincy, Ill.

Channon, H., Co., contrs.' tools & mill & facty. & steam fitters' supplies, 150 N. Market, Chicago, Ill.
Channon-Hughson Co., bounce absorbers, 227 W. Erie, Chicago, Ill.
Channon, James H., Mfg. Co., contractors' & railway supplies, 227 W. Erie, Chicago, Ill.
Chanslor & Lyon Co., auto. tops, Los Angeles, Cal.
Chantrell Hardware & Tool Co., hardware mfrs., Reading, Pa.
Chanute Brick & Tile Co., Chanute, Kan.
Chanute Lumber Co., Chanute, Kan.
Chaparra Sugar Co., 129 Front, New York.
Chapel, A. M., Machine Co., Pittsfield, Mass.
Chapel Mills Mfg. Co., woolen flannels, Cherry Valley, Mass.
Chapin, Benj. M., contr., Morgantown, W. Va.
Chapin, Chas. E., Co., brushes, 201 Fulton, New York.
Chapin Co., dairy feed, Hammond, Ind.
Chapin, E. T., Co., ties, poles, etc., Spokane, Wash.
Chapin, Edwin T., architect, State Mutual Bldg., Worcester, Mass.
Chapin & Gould Paper Co., Springfield, Mass.
Chapin, Louis S., leaded glass, Rochester, N. Y.
Chapin, R. E., Mfg. Wks., oil cabinets, cans, pumps, tanks, etc., Batavia, N. Y.
Chapin-Stephens Co., carpenters', coopers' tools, gauges, levels, screw drivers, etc., Pine Meadow, Conn.
Chapler, Elijah C., architect, Atkinson, Ill.
Chapin, Benj. M., Co., contrs., Morgantown, W. Vo.
Chaplin-Fulton Mfg. Co., gas regulating valves, 34 Penn. av, Pittsburgh, Pa.
Chapline Construction Co., Post Dispatch bldg, St. Louis, Mo.
Chapline, John, architect, Clearfield, Pa.
Chapman & Bangs Co., wholesale hdwe., Bridgeport, Conn.
Chapman & Brooks Co., whol. hdwe. & mill & facty. supplies, Springfield, Mass.
Chapman Bros., contractors, Humboldt & M. C. R., Detroit, Mich.
Chapman, C. A., Inc., mill engineer & paper & pulp mill architect, 28 Jackson blvd., E., Chicago, Ill.
Chapman, C. L., Cream Separator Wks., Erie, Pa.
Chapman, C. W., Lumber Co., Waterloo, Ia.
Chapman, Chas., contractor, 118 N. La Salle, Chicago, Ill.
Chapman Co., cake moulds, cream dippers, egg beaters & measuring cups, etc., Geneva, N. Y.
Chapman-Cross Construction & Realty Co., Montgomery, Ala.
Chapman & Dewey Lbr. Co., Rialto Bldg., Kansas City, Mo.
Chapman, E. R. B., architect, 44 Bromfield, Boston, Mass.
Chapman, Edgar, contractor, Plant City, Fla.
Chapman Elec. Neutralizer Co., Portland, Me.
Chapman Engng. Co., gas producers, Mount Vernon, Ohio.
Chapman, F. Burnham, architect, 4 E. 39th, New York.
Chapman, F. H., Contrg. Co., 103 Park av, New York.
Chapman, F. W., contractor, Waterloo, Ia.
Chapman Fertilizer Co., Central Bldg., Los Angeles, Cal.
Chapman & Frazer, architects, 112 Water, Boston, Mass.
Chapman, George A., architect, Auditorium Bldg., Minneapolis, Minn.
Chapman & Graham, Inc., contrs., Jamestown, N. Y.
Chapman, H. B., Co., sash, door & blind, 81 Bristol, Boston, Mass.
Chapman, H. K., architect, Candler Bldg., New York.
Chapman, H. L., mfrs. gas engines, Marcellus, Mich.
Chapman, H. T., lbr., Newton, Miss.
Chapman Hardware Co., Durango, Colo.
Chapman, Henry Otis, architect, 335 5th av, New York.
Chapman, Hiram W., htg. contractors, 331 Vanderbilt av, Brooklyn, N. Y.
Chapman, J. L., architect, 720 Robinson av, San Diego, Cal.
Chapman Jack Co., car, screw, loco. & truck lifting jacks, 45th & Lakeside av, Cleveland, Ohio.
Chapman, Jno. C., architect, Sioux Falls, S. D.
Chapman, Josephine W., architect, 46 Washington sq., New York.
Chapman Knitting Mills, 68 E. 131st, New York.
Chapman Lbr. Co., 1322 Carbon, Syracuse, N. Y.
Chapman Milling Co., flour, Sherman, Tex.
Chapman, P. E., armature & field coil winding machs., 10th & Walnut, St. Louis, Mo.
Chapman, P. Higbee, architect, 4061 Chouteau av, St. Louis, Mo.
Chapman Plumbing Supp. Co., 204-208 W. 3d, S. W., Canton, Ohio.
Chapman, Porter & Woelfling Co., Inc., mill & facty. supplies, 180 West, New York.
Chapman & Resnick, scrap rubber, 1361 S. Morgan, Chicago, Ill.
Chapman, Robt., & Co., contractors, 1874 Park av, New York.
Chapman, Sargent, woodenware & novelties, Piqua, Ohio.
Chapman Slate Co., roofing slate, Bethlehem, Pa.
Chapman & Smith Co., paste, 1017 Washington blvd, Chicago, Ill.
Chapman & Soden, roofing paper, 150 Oliver, Boston, Mass.
Chapman Stained Glass Studios, 222 Hudson av, Albany, N. Y.
Chapman Standard Slate Co., roofing slate, Philadelphia, Pa.
Chapman Steam Specialty Co., regulators, Canton, O.
Chapman-Storm Lumber Co., Morgan City, La.
Chapman & Tripp, masons' & bldrs.' matls., Jewett City, Conn.
Chapman Valve Mfg. Co., valve hydrant mfrs., Indian Orchard, Mass.
Chapman, W. H., foot presses, etc., 229 Mulberry, Newark, N. J.
Chapman, W. H., Co., hardware mfrs., Middletown, Conn.

Chapman, W. H., & Sons, masons' & bldrs.' matls., Wheeling, W. Va.
Chapman, W. R., & Sons, contrs., 1506 Washington av, Philadelphia, Pa.
Chapman, Wm., architect, 15 Ashburton pl, Boston, Mass.
Chapman, Wm. O., Co., stable, bank & office fix., 30 Church, New York.
Chapman's, T. M., Sons Co., machsts. & fndrs., Old Town, Me.
Chappel, Edw., Co., masons' & bldrs.' matls., Norwich, Conn.
Chappell & Bosworth, architects, 258 Broadway, New York.
Chappell, F. H. & A. H., Co., lumber mfrs., New London, Conn.
Chappell Shingle Co., lumber, Granite Falls, Wash.
Chappell-Warren Co., heating contrs., 1830 St. Clair, Cleveland, Ohio.
Chappell, Wayvell & Co., floor surfacing machy., 416 W. Grand av, Chicago, Ill.
Chapper, Frank, Iron & Wire Wks., 128 E. Fort, Detroit, Mich.
Charbeneau, J. C., acetylene gas generators, Mt. Clemens, Mich.
Charcoal Iron Co. of America, pig iron, Union Trust Bldg., Detroit, Mich.
Charcoal Supply Co., 1186 Cherry av, Chicago, Ill.
Chard & Howe, lubrg. oils, 250 Front, New York.
Chard Lathe Co., engine lathe, Newcastle, Ind.
Chard, Thornton & Walter G., architects, 101 Park av, New York.
Chard., Walter G., architect, 101 Park av, New York.
Chariott, Salvatore, contr., South Norwalk, Conn.
Charlebois Bros., contractors, Watertown, N. Y.
Charleroi Hard Wall Plaster Co., Speers, Pa.
Charleroi Iron Wks., Charleroi, Pa.
Charles, Geo. H. Sons, contrs., Wilmington, Del.
Charles Sign Co., 1458 W. Kinzie, Chicago, Ill.
Charles, U. G., architect, Schweiter Bldg., Wichita, Kans.
Charles, Valentine W., architect, 428 Jefferson, Milwaukee, Wis.
Charles, Wm. B., cotton waste, Amsterdam, N. Y.
Charleston Canning Co., Charleston, Tenn.
Charleston Dry Dock & Mach. Co., Charleston, S. C.
Charleston Engineering & Contr. Co., Charleston, S. C.
Charleston Excelsior M. & B. Wks., Charleston, S. C.
Charleston Galvanzed Iron Cornice & Steel Ceiling Wks., Charleston, S. C.
Charleston Hardware Co., Charleston, W. Va.
Charleston Iron Wks., Charleston, S. C.
Charleston Lead Wks., Charleston, S. C.
Charleston Lumber Co., Charleston, W. Va.
Charleston Milling Co., flour, Charleston, Mo.
Charleston Milling & Produce Co., flour, Charleston, W. Va.
Charleston, S. C., Mining & Mfg. Co., phosphate rock, Richmond, Va.
Charleston Window Glass Co., Charleston, W. Va.
Charlesworth, G. A., machsts., Elmer, N. Y.
Charlevoix Hardware Co., cornices & skylights, Charlevoix, Mich.
Charlevoix Lumber Co., Charlevoix, Mich.
Charlevoix Rock Products Co., lime mfrs., Charlevoix, Mich.
Charlotte Bros., machsts. & brass fndrs., Woonsocket, R. I.
Charlotte Casket Co., Charlotte, N. C.
Charlotte Coal & Supply Co., masons' & bldrs. matls., Charlotte, N. Y.
Charlotte Consolidated Constr. Co., Charlotte, N. C.
Charlotte Hardware Co., Charlotte, N. C.
Charlotte Mfg. Co., textile machy., Charlotte, N. C.
Charlotte Paving Co., contrs., Charlotte, N. C.
Charlotte Pipe & Fdry. Co., Charlotte, N. C.
Charlotte Roller Mills, flour, Charlotte, Tenn.
Charlotte Supply Co., mill & facty. supplies, Charlotte, N. C.
Charlotte Wagon & Auto Co., auto. wood bodies, Charlotte, N. C.
Charlotte Waste Co., Inc., Charlotte, N. C.
Charlottesville Hardware Co., Charlottesville, Va.
Charlottesville Lumber Co., Charlottesville, Va.
Charlton, Chas. H., Jr., architect, Baton Rouge, La.
Charlton, J. F., architect, 730 Gravier, New Orleans, La.
Charlton, J. J., lbr. mfrs., Kettle Falls, Wash.
Charlton & Kuenzli, architects, Marquette, Mich.
Charpiot & Mills Mfg. Co., stoves, Toledo, Ohio.
Charter Gas Engine Co., Sterling, Ill.
Charter Oak Milling Co., Blac River Falls, Wis.
Charter Oak Stove & Range Co., Antelope & Conduit, St. Louis, Mo.
Chartiers Creek Coal Co., bituminous, Park bldg., Pittsburgh, Pa.
Chase, A. B., Co., organs & pianos, Norwalk, Ohio.
Chase Bag Co., 8 N. Main, St. Louis, Mo.
Chase, Benj., Co., sticks (plant), Derry, N. H.
Chase, Chas. S., Co., masons' & bldrs. matls., Portland, Me.
Chase & Cooledge Co., mill & facty. supplies, Holyoke, Mass.
Chase, D. D., Lumber Co., Haverhill, Mass.
Chase, Edw. O., machsts., 171 Washington, Newark, N. J.
Chase Elec. Co., 105 S. Dearborn, Chicago, Ill.
Chase, F. A., & Co., mill & facty. supplies, 253 W. Exchange, Providence, R. I.
Chase Foundry & Mfg. Co., trucks & cars of all kinds, for all purposes, & improved road machinery, 2700 Parsons av, Columbus, Ohio. *See adv index at end of book.*
Chase, Frank D., Inc., architect, 645 N. Michigan av, Chicago, Ill. *See adv index at end of book*
Chase, Geo. E. & Co., marine hdwe., Jacksonville, Fla.
Chase-Granville Co., lbr., Baring, Me.



Chase, H. & L., bags & bagging, 267 Atlantic av, Boston, Ma
Chase-Hackley Piano Co., Muskegon, Mich.
Chase-Hibbard Corp., flour mills, Elmira, N. Y.
Chase, L. C. & Co., upholstery & trimming materials, moto railway & carriage materials mfrs., 89 Franklin, Bos Mass. *See adv. index at end of book.*
Chase Machine Co., winches, capstans, etc., 2313 Elm, N. Cleveland, Ohio.
Chase Metal Works, rolling mill brass bronze, copper & nic silver rod, wire, sheets & tubing, Waterbury, Conn.
Chase, Parker & Co., wholesale hdwe. & mill & facty. supp 81 Pearl, Boston, Mass.
Chase, Roberts & Co., varnishes, enamels, lacquer, etc., West L. I. City, N. Y.
**CHASE ROLLING MILL CO.**, rolling mill brass, bronze, co & nickel-silver rod, wire, Waterbury, Conn.
Chase, S. H., Lumber Co., San Jose, Cal.
Chase-Shawmut Co., soldering flux, paste, salts & stick, N buryport, Mass.
Chase, Stephen, lumber mfrs., Hagedorns Mills, N. Y.
Chase Turbine Mfg. Co., saw mill machy, & water wh Orange, Mass.
Chase, Wm. Co., architect, 8 Marlboro, Boston, Mass.
Chase, Wm. J. J., architect, Atlanta Trust Bldg., Atlanta, G
Chase, Wm. R. S., architect, Holyoke Nat'l Bk. Bldg., Holy Mass.
Chaska Brick & Tile Co., Ryan Bldg., St. Paul, Minn.
Chateaugay Pulp Co., Chateaugay, N. Y.
Chatfield Brass & Iron Wks. Co., Escanaba, Mich.
Chatfield Canning Co., Chatfield, Minn.
Chatfield & Chatfield, masons' & bldrs. matls., Waterbury, C
Chatfield, E. S., machsts. & brass fndrs., Addison, N. Y.
Chatfield, Geo. S., Co., contractors & masons' & bldrs. ma Waterbury, Conn.
Chatfield Mfg. Co., deadening felts, roofing & paving pitch, Carthage, Cincinnati, Ohio.
Chatfield Paper Co., New Haven, Conn.
Chatfield & Sharp, fuel gas burners, Jamestown, N. Y.
Chatfield & Woods Co., paper, etc., 3rd & Plum, Cincinnati, O
Chatham Carriage Co., Savannah, Ga.
Chatham Die-Casting Co., 128 Mott, New York.
Chatham Mach. & Tool Wks., Inc., machts., jigs & fix., Mott, New York.
Chatham Mfg. Co., wood turpentine, oils, pitch, tar, etc., vannah, Ga.
Chatham Mfg. Co., woollen blankets, Elkin, N. C.
Chatham Oil & Fertilizer Co., Pittsboro, N. C.
Chatham Trunk Fcty., Savannah, Ga.
Chatillon, John & Sons, hdwe. specialties, scales & scra 85 Cliff, New York.
Chatlos, William F., contractors, 1374 Barnum av, Bridge Conn.
Chatsworth Brick & Tile Co., Chatsworth, Ga.
Chattahoochee Brick Co., Atlanta, Ga.
Chattanooga Armature Works, Chattanooga, Tenn.
Chattanooga Blow Pipe & Roofing Co., Chattanooga, Tenn.
Chattanooga Boiler & Tank Co., Chattanooga, Tenn.
Chattanooga Bottle & Glass Mfg. Co., Chattanooga, Tenn.
Chattanooga Brazing & Welding Co., Chattanooga, Tenn.
Chattanooga Broom & Mop Co., Chattanooga, Tenn.
Chattanooga Buggy Co., Chattanooga, Tenn.
Chattanooga Builders' Supply Co., Chattanooga, Tenn.
Chattanooga Coffin & Casket Co., Chattanooga, Tenn.
Chattanooga Electro Metals Co., pig iron & ferro-silicon, tanooga, Tenn.
Chattanooga Implement & Mfg. Co., Chattanooga, Tenn.
Chattanooga Iron Works, cornices & skylights, Chattan Tenn.
Chattanooga Lumber Co., Chattanooga, Tenn.
Chattanooga Machy Co., key seaters, Chattanooga, Te
Chattanooga Mattress Co., Chattanooga, Tenn.
Chattanooga Paint Co., Chattanooga, Tenn.
Chattanooga Plow Co., Chattanooga, Tenn.
Chattanooga River Brick Co., Chattanooga, Tenn.
Chattanooga Roofing & Foundry Co., Chattanooga, Tenn.
Chattanooga Sand & Supply Co., Chattanooga, Tenn.
Chattanooga Sash & Door Co., Chattanooga, Tenn.
Chattanooga Saw Wks., Chattanooga, Tenn.
Chattanooga Sewer Pipe & Fire Brick Co., flue linings, C nooga, Tenn.
Chattanooga Sewer Pipe Works, Chattanooga, Tenn.
Chattanooga Stamping & Enameling Co., plates, Chattan Tenn.
Chattanooga Wagon Co., Chattanooga, Tenn.
Chattanooga Wheelbarrow Co., Chattanooga, Tenn.
Chatten & Hammond, architects, 64 E. Van Buren, Chicago
Chatten, Harvey, architect, Wells Bldg., Quincy, Ill.
Chatten, S. H., Lbr. Co., Inter State Bldg., Kansas City,
Chatterton Bros., bldg. contrs., Sacramento, Cal.
Chatterton File Wks., 38 Randall, Providence, R. I.
Chatterton, Jas. M., contractor, 108 S. 8th, Brooklyn, N
Chatterton, O. J., masons' & bldrs. matls., Hamersville, O
Chatwin, Alfred, Supply Co., mill & facty. supplies, 401 Br New York.
Chatwin Bros. Riprap & Contracting Co., Shreveport, La.
Chaudron & Co., plate glass, 1112 Cathedral, Baltimore,
Chauncey Warehouse & Mfg. Co., Chauncey, Ga.
Chautauqua Photographic Co., Empire Bldg., Pittsburgh,

.utauqua Planing Mill Co., sash, door & blind mfrs., Falconer, N. Y.
.utauqua Refrigerating Co., masons' & bldrs. matls., Jamestown, N. Y.
utauqua Towel Mills, Jamestown, N. Y.
uvet & Coulter Co., lace machs., 245 7th av, New York.
zy Marble Lime Co., Chazy, N. Y.
boygan Mfg. Co., sash, door & blinds, Cheboygan, Mich.
ek & Belvin, brick, Durham, N. C.
ek, J. U., sashes, doors & blinds, Dunwoody, Ga.
ek, M. B., machs. & fdrs., Aurora, Ind.
eseboro & Sand, lumber mfrs., Berne, N. Y.
esebrough, Thos. E., rakes, wood handles, etc., Freeport, Mich.
esman-Elliot, paint mfrs., 233 Flatbush av, Brooklyn, N. Y.
ever Iron Ore Co., Port Henry, N. Y.
ialis Mill Co., Chehalis, Wash.
ialis Shingle Co., Chehalis, Wash.
ialls Fir Door Co., McCleary, Wash.
lberg, Otto, stone producers, Oak Park, Ill.
sea Clock Co., 16 State, Boston, Mass.
sea Coal & Cement Co., masons' & bldrs. matls., Chelsea, Mass.
sea Electro Plating & Polishing Co., 247 Centre, New York.
sea Elevator Co., dumb waiters, etc., 213 W. 26th, New York.
sea Fibre Mills, burlap, 212 5th av, New York.
sea File Wks., Norwich, Conn.
sea H'dwe. Co., whol. h'dwe., Atlantic City, N. J.
sea Lbr. Co., 87 Manhattan, New York.
sea Mfg. & Supply Co., plbrs. supplies, 236 W. 20th, New York.
sea Oil & Supp. Co., lubricants, 17 Battery pl., New York.
on Elec. Co., electrical spec., junction boxes, enclosed fuses, etc., Stenton & Rockland, Philadelphia, Pa.
. & E. Mfg. Co., gasoline & electric hoists & mortar mixers, 384 Clinton, Milwaukee, Wis.
craft Co., chemical imp., 101 W. 42nd, New York.
ey & Co., Inc., sanitary flooring, 134 W. 18th, New York.
ical Charcoal Co., 195 Fillmore av, Buffalo, N. Y.
ical Co. of Am., 28 Platt, New York.
ical Constr. Co., acid plants, Charlotte, N. C.
ical & Engng. Co., belt dressing, fillers, etc., Watertown, N. Y.
ical Equipment Co., engineers & manufacturers, 53 W. Jackson blvd, Chicago, Ill. *See adv index at end of book*
ical Importing & Mfg. Co., chemicals, fireworks, dyes etc., 90 West, New York.
ical Lime Co., Bellefonte, Pa.
ical Mfg. Co., Covington, Ky.
. & Metallurgical Engng., trade publication, 10th av, at 36th, New York.
ical Paper Mfg. Co., Holyoke, Mass.
ical Pigments Corp., lithopone, Stock Exch. Bldg., Philadelphia, Pa.
ical Products Co., ferro molybdenum & ferro tungsten, Washington, D. C.
ical Products Co., soluble cotton, size, etc., 30 Charles River rd, Boston, Mass.
ical Products Co., 116 Christopher, New York.
ical (The) Pump & Valve Co., Perth Amboy, N. J.
ical Rubber Co., W. 112th, Cleveland, Ohio.
ical Supply Co., soaps, etc., 2450 Canal rd., Cleveland, Ohio.
ry & Co., mill & facty. supplies, Jamestown, N. D.
y, A. C., Piano Action Co., Castleton, N. Y.
y Bros., carriage & wagon wheel spokes, Jamaica, Vt.
y Bros., plushes & velvets, So. Manchester, Conn.
y, Frank P., lbr., Lowell, Mass.
y, Hy., Hammer Co., Little Falls, N. Y.
y, Howard L., architect, 208 La Salle, Chicago, Ill.
y Lime Co., Allgood, Ala.
y, S. H., cornices & skylights, Fond Du Lac, Wis.
y, S., & Son, machsts. & fndrs., Manlius, N. Y.
y Talking Mach. Co., 1107 B'way, New York.
w Brick Wks., Cheraw, S. C.
w Oil & Fertz. Co., Cheraw, S. C.
w Sash, Door & Lbr. Co., Cheraw, S. C.
kee Brick Co., Macon, Ga.
kee Fall Mfg. Co., bags & bagging, Cherokee Falls, S. C.
kee Fertilizer Co., Macon, Ga.
kee Mfg. Co., machsts. & fndrs., Cherokee, Iowa.
kee Mfg. Co., masons' & bldrs. matls., Dalton, Ga.
kee Ochre Co., clays, Cartersville, Ga.
r Chandelier Co., electric & gas light fixture mfrs., 525 . 9th, Philadelphia, Pa.
r Chemical Co., boiler compounds, 1018 Callowhill, Philadelphia, Pa.
r Creek Canning Co., Cherry Creek, N. Y.
r Implement Co., machsts., Aurora, N. C.
r, J. G., Co., paper & pulp mills, Cedar Rapids, Ia.
r, John, contractor, Jacksonville, Ill.
r, P. L. Co., masons' & bldrs,. matls., 2711 Hawthorne av, ortland, Ore.
r Lbr. Co., St. Bernard, Cincinnati, Ohio.
r River Boom & Lbr. Co., Scranton, Pa.
r River Paper Co., Scranton, Pa.
r Tree Machine Co., Cherry Tree, Pa.
Cherry Valley Shingle Co., Duvall, Wash.
Cherry, Wm. John, architect, Grand Cent. Term., New York.
Cherryvale Brick Co., Cherryvale, Kan.
Cherryvale Iron Wks. Co., Cherryvale, Kan.
Chesapeake Belting Co., belting mfrs., 823 McKim, Baltimore, Md.
Chesapeake Corp., paper & pulp mills, West Point, Va.
Chesapeake Iron Works, Westport, Baltimore, Md.
Chesapeake Mach. Co., 3903 Eastern av, Baltimore, Md.
Chesapeake Marine Ry. Co., machsts., Philpot cor. Point, Baltimore, Md.
Chesapeake Oil Co., paint & oil mfrs., Ostend & Leadenhall alley, Baltimore, Md.
Chesapeake Packing Co., Sherwood, Md.
Chesapeake Paperboard Co., box board mfrs., Woodall & Claggett, Baltimore, Md.
Chesebro, Whitman, Co., scaffolding & ladders, 1167 1st av, New
Chesbrough, A. M., lbr., Thompson, Mich.
Chesbrough Mfg. Co., petrolatum, 17 State, New York.
Cheshire, J., & Son, machsts. & fndrs., Martinsville, Va.
Cheshire Lime Mfg. Co., Cheshire, Mass.
Cheshire Mills, woolen flannels, Harrisville, N. H.
Cheshire, R. L., contractor, 1118 Peabody av, Memphis, Tenn.
Chesley, A. C., Co., fireproof doors, 275 Rider av, New York.
Chesley Bros., machsts. & fndrs., Danville, Ill.
Chesley, Earl & Heimbach, Inc., contractors & dock bldrs., 20 Breckenridge, Buffalo, N. Y.
Chesley, J. L., machst. & fndr., Danville, Ill.
Chesnee Mills, cotton sheetings, Chesnee, S. C.
Chesnutt, Cooper & Co., bristles, 100 William, New York.
Chester Advtg. Co., advtg. novs. 202 W. 3d, Chester, Pa.
Chester Constr. & Contr. Co., Otis Bldg., Phila., Pa.
Chester County Motor Co., Coatesville, Pa.
Chester, F. E., Mfg. Co., fishing tackle, 3 Pine, Providence, R. I.
Chester General Contracting Co., East Liverpool, Ohio.
Chester Graphite Co., Chester Springs, Pa.
Chester Granite & Polishing Wks., Chester, Mass.
Chester Hardware Co., Chester, S. C.
Chester Knitting Wks., sweaters, cardigans, etc., 2103 Pitkin av, Brooklyn, N. Y.
Chester Lumber & Coal Co., masons' & bldrs.' matls., Chester, Pa.
Chester Mach. & Lbr. Co., Chester, S. C.
Chester Paper Co., Chester, Pa.
Chester Ry. Supply Co., trolley ears, Chester, Pa.
Chester Ship Building Co. (Ltd.). See Merchant Ship Bldg. Corp. (successor).
Chester Steel Castings Co., 407 Sansom, Philadelphia, Pa.
Chester Stone Co., Chester, Pa.
Chester, W. C., contractor, Wrightsville, Ga.
Chester, W. R., & Co., lumber, 89 State, Boston, Mass.
Chesterman & Streeter, elastic & surgical hosiery, 25 S. 11th, Philadelphia, Pa.
Chesterton, A. W., Co., gauge glass cutters, mill & facty. supplies & packing mfrs., etc., 64 India, Boston, Mass.
Chestnut Ridge White Brick Co., 7 W. 45th, New York.
Chestresmith, Ed B., architect, 259 W. 30th, New York.
Cheswold Canning Co., Aberdeen, Md.
Chetham Lbr. Co., 15 William, New York.
Chevalier Bros. Co., machsts. & fndrs., B'klyn, N. Y.
Chevallaz, Chas., architect, 405 Luzern apts., Seattle, Wash.
Cheves, Wm. R., granite producers, Lanesville, Mass.
Chevillot, Louis F., contractor, 68 Greenwood, Detroit, Mich.
Chevrolet Motor Co., Flint, Mich.
Chew, Joshua, & Co., contractors, Lafayette, Ind.
Cheyenne Brick Co., Cheyenne, Wyo.
Cheyney, Jno. H., & Co., machinists, Chester, Pa.
Cheyney, John K., sponges, Tarpon Springs, Fla.
Chicago Addressing Co., 720 S. Dearborn, Chicago, Ill.
Chicago Aluminum Castings Co., fndrs., 2647 Ogden av, Chicago, Ill.
Chicago Apparatus Co., laboratory apparatus & supplies, 32 S. Clinton, Chicago, Ill.
Chicago Arch'l Photographing Co., Marquette Bldg., Chicago, Ill.
Chicago Art Metal Wks., monograms, 300 W. Lake, Chicago, Ill.
Chicago Asbestos Mfg. Co., asbestos cements, pipe coverings & roofing, 1909 W. 22d pl, Chicago, Ill.
Chicago Asbestos Table Mat Co., 215 Loomis, Chicago, Ill.
Chicago Auto. Equipment Co., auto. wood bodies, 810 W. Jackson blvd., Chicago, Ill.
Chicago Auto. Supply House, carbon removers, 1351 S. Michigan av, Chicago, Ill.
Chicago Automatic Machine Co., screw mach., 400 N. Oakley blvd., Chicago, Ill.
Chicago Automatic Switch Co., 900 W. Lake, Chicago, Ill.
Chicago Baling Press Co., paper balers, 305 S. La Salle, Chicago, Ill.
Chicago Bearing Metal Co., 2234 W. 43d, Chicago, Ill.
Chicago Belting Co., 125 N. Green, Chicago, Ill.
Chicago Binder & File Co., 117 S. Clinton, Chicago, Ill.
Chicago & Bloomington Stone Co., Bloomington, Ind
Chicago Boiler Tube Co., 190 N. State, Chicago, Ill.
Chicago Brick Co., 38 S. Dearborn, Chicago, Ill.
Chicago Brick Machinery Co., 20 W. Jackson blvd, Chicago, Ill.
Chicago Bridge & Iron Works, bridges, barges, boats, steel chimneys, dry docks, elevated water tanks, steel storage tanks & plate metal work, etc., 2105 Old Colony Bldg., Chicago, Ill. *See adv. index at end of book.*

Chicago Bronze Co., 110 W. Lake, Chicago, Ill.
Chicago Brush Mfg. Co., 412 W. Erie, Chicago, Ill.
Chicago Bldrs.' Specialties Co., benders, clamps, floor clips, etc., 11 S. La Salle, Chicago, Ill.
**Chicago Building Constr. Co., 4770 Lincoln av, Chicago, Ill.**
Chicago Building Glass Co., 3516 N. Clark, Chicago, Ill.
Chicago Butchers' Packing Co., 216 N. Peoria, Chicago, Ill.
Chicago Cabinet & Fixture Works, 2016 W. Van Buren, Chicago, Ill.
Chicago Calcium Light Co., 178 N. Green, Chicago, Ill.
Chicago Car Door Co., McCormick Bldg., Chicago, Ill.
Chicago Car Seal Co., 364 N. Green, Chicago, Ill.
Chicago Carbonic Gas Co., liquid carbon diozide, 904 W. Superior, Chicago, Ill.
Chicago Case Mfg. Co., sample cases, 213 No. Morgan, Chicago, Ill.
Chicago Casket Co., 1106 So. Canal, Chicago, Ill.
Chicago Clamp Co., woodworkers' clamps, 253 Eliot, Detroit, Mich.
Chicago Cleveland Car Roofing Co., carlines, 80 E. Jackson blvd, Chicago, Ill.
Chicago Coach & Carriage Co., auto. seats, 1223 S. Michigan av, Chicago, Ill.
Chicago Coated Board Co., 420 E. North Water, Chicago, Ill.
Chicago Concentrated Food Co., 3059 Sheffield av, Chicago, Ill.
Chicago Concrete Post Co., 608 S. Dearborn, Chicago, Ill.
Chicago Conveyor Co., gravity, 2416 W. 22nd, Chicago, Ill.
Chicago Copper & Chemical Co., Western Union Bldg., Chicago, Ill.
Chicago Cork Wks. Co., 630 S. Wabash av, Chicago, Ill.
Chicago Cornice Co., 210 S. Western av, Chicago, Ill.
Chicago Creosoting Co., Waukegan, Ill.
Chicago Curtain Stretcher Co., 3725 Wall, Chicago, Ill.
Chicago Cut Stone Co., 3403 La Salle, Chicago, Ill.
Chicago Decorated Leather Co., chair seats, 426 S. Clinton, Chicago, Ill.
Chicago-Detroit Bag Co., Marquette Bldg., Chicago, Ill.
Chicago Die & Mach. Wks., 415 N. Carpenter, Chicago, Ill.
Chicago Down Draft Furnace Co., 115-17 S. Clinton, Chicago, Ill.
Chicago Drainage Const. Co., 30 N. La Salle, Chicago, Ill.
Chicago Dryer Co., ironing & laundry machy., 630 S. Wabash av, Chicago, Ill.
Chicago Electrical Construction Co., electric motors, 740 W. Van Buren, Chicago, Ill.
Chicago Elec. Mfg. Co., automobile lamp, 2817 S. Halsted, Chicago, Ill.
Chicago Electric Meter Co., graphometers, 1045 W. Washington, Chicago, Ill.
Chicago Electric Sign Co., 18 S. Clinton, Chicago, Ill.
Chicago Engineer Supply Co., 68 W. Lake, Chicago, Ill.
Chicago Envelope Co., 59 E. Madison, Chicago, Ill.
Chicago Expansion Bolt Co., 324 W. Wash., Chicago, Ill.
Chicago Eyeshade Co., 128 S. Clinton, Chicago, Ill.
Chicago Eye Shield Co., goggles & eye protectors, etc., 2300 Warren av, Chicago, Ill.
Chicago Faucet Co., 2712 N. Crawford av, Chicago, Ill.
Chicago Feather Duster Co. See Weil-Ransom Co. (successor).
Chicago Ferrotype Co., cameras, photograph machy., 1455 W. Congress, Chicago, Ill.
Chicago Ferrule & Nut Co., 880 Lill av, Chicago, Ill.
**Chicago Fertilizer & Chemical Wks., 7631 S. Green, Chicago, Ill.**
Chicago File & Rasp Co., Grand Haven, Mich.
Chicago Fire Brick Co., 133 W. Washington, Chicago, Ill.,
Chicago Fire Hose Co., 124 W. Lake, Chicago, Ill.
Chicago Fire Window & Cornice Co., 440 N. Halsted, Chicago, Ill.
Chicago Flag & Decorating Co., 1345 S. Wabash av, Chicago, Ill.
Chicago Flexible Shaft Co., 5600 Roosevelt rd, Chicago, Ill.
Chicago Floor Co., 730 S. Wabash av, Chicago, Ill.
Chicago Folding Box Co., 2555 Taylor, Chicago, Ill.
Chicago Form Co., garment hangers, 411 S. Wells, Chicago, Ill.
**Chicago Foundation Co., contrs., 105 W. Monroe, Chicago, Ill.**
Chicago Fndry. Co., 2211 N. Major, Chicago, Ill.
Chicago Fountain Soda Water Co., 1140 W. Harrison, Chicago, Ill.
Chicago Furnace Supply Co., 549 W. Monroe, Chicago, Ill.
Chicago Fuse Mfg. Co., arresters, cut-outs, fuses, etc., 1014 W. Congress, Chicago, Ill. *See adv. index at end of book.*
Chicago General Fixture Co., elec. light fixture mfrs., 19 E. Lake, Chicago, Ill.
Chicago Glass Novelty Co., advertg. letter signs, 1206 Branson, Marion, Ind.
**Chicago Glove & Mitten Co., 458 N. Halsted, Chicago, Ill.**
Chicago Glue Co., 2012 W. Kinzie, Chicago, Ill.
**Chicago Gold Coin Stove Wks., 2135 Loomis, Chicago, Ill.**
Chicago Gold Enamel Co., Monadnock Blk., Chicago, Ill.
Chicago Granitine Mfg. Co., artificial stone ldry. tubs, 3619 Wall, Chicago, Ill.
Chicago Gravel Co., sand dlrs., 343 S. Dearborn, Chicago, Ill.
Chicago Gum Tape Co., sealing machs., 187 N. Dearborn, Chicago, Ill.
Chicago Hammock Co., 523 N. Union av, Chicago, Ill.
Chicago Handle Bar Co., Shelby, Ohio.
**Chicago Hardware Foundry Co., North Chicago, Ill.**
**Chicago Heat Regulator Co., 1801 Diversey Parkway, Chicago, Ill.**
Chicago Heights Boiler Wks., Chicago Heights, Ill.
Chicago Heights Bottle Co., Chicago Heights, Ill.
**Chicago Heights Constr. Co., Chicago, Ill.**
Chicago Heights Oil Mfg. Co., dairy, horse & mule feed, Chica Heights, Ill.
Chicago Hosiery Co., lumbermen's socks, 565 Michigan av, I troit, Mich.
**Chicago House Wrecking Co. of Minn., Inc., pumping jac farm trucks & machsts., 80 E. Fillmore av, St. Paul, Min**
Chicago Hydraulic Press Brick Co., 133 W. Washington, Chica Ill.
Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.
Chicago Iron Fdry Co., 2313 Austin av, Chicago, Ill.
Chicago Journal Bearing Co., machsts. & fndrs., 519 W. Va buren, Chicago, Ill.
Chicago Knife Wks., 228 S. Clinton, Chicago, Ill.
Chicago Label & Box Co., 312 N. May, Chicago, Ill.
Chicago Lamp & Fixture Co., metallic shades, 309 S. Clint Chicago, Ill.
Chicago Laundry Machy. Co., collar seam dampening machin 213 W. Grand av, Chicago, Ill.
Chicago Leather & Mercantile Co., leather gaskets & washe 1848 W. 14th, Chicago, Ill.
Chicago Lumber & Coal Co., East St. Louis, Ill.
Chicago Lumber & Coal Co., R. A. Long Bldg., Kansas City, M
Chicago L'br. Co., Omaha, Neb.
Chicago Mach. Tool Co., 649 Washington Blvd, Chicago, Ill.
Chicago Mach. & Washer Co., 2625 W. 15th, Chicago, Ill.
Chicago Machy. Exchange, 1217 Washington blvd., Chicago, I
Chicago Mailing Tube Co., 425 S. Hoyne av, Chicago, Ill.
Chicago Malleable Castings Co., 120th & Racine av, Chicago,
Chicago Malleable Iron Co., founders, Blue Island & Western a Chicago, Ill.
Chicago Mfg. Co., truck radiators, fenders, hoods, etc., 1464 Michigan av, Chicago, Ill.
Chicago Mfg. Co., valves, Chicago Jct., Ohio.
Chicago Mat Board Co., 664 Washington blvd., Chicago, Ill.
Chicago Metal Covering Co., mouldings, 2835 Lake, Chicago,
Chicago Metal Mfg. Co., metal specialties, 313 S. Clint Chicago, Ill. *See adv index at end of book*
Chicago Metal Reduction Co., welding plates, 29 W. Jackson bl Chicago, Ill.
Chicago Metal Sign Co., 20 N. Wells, Chicago, Ill.
Chicago Metal Treating Co., 4032 N. Rockwell, Chicago, Ill.
Chicago Metal Weather Strip Co., 1617 N. Troy, Chicago, Ill.
Chicago Mica Co., Valparaiso, Ind.
*See adv. index at end of book.*
Chicago Mill & Lumber Co., boxes, crates, etc., 111 W. Wa ington, Chicago, Ill.
Chicago Millwork Supply Co., 1404 W. 37th, Chicago, Ill.
Chicago Millwright & Pulley Co., mill & facty. supplies, 1 Ogden av, Chicago, Ill.
Chicago Min. Lamp Wks., 652 Walker, Chicago, Ill.
Chicago Mirror & Art Glass Co., adv. purposes, 216 N. Clin Chicago, Ill.
Chicago Mission Furniture Co., 1929 Clybourn av, Chicago,
Chicago Motor Truck Co., 335 W. 28th pl, Chicago, Ill.
Chicago Motor & Vibrator Co., 163 N. Wabash, Chicago, Ill.
Chicago Nipple Mfg. Co., 908 W. Lake, Chicago, Ill.
Chicago & Northwestern Railway, 226 W. Jackson blvd, cago, Ill.
Chicago Nov. Co., steam cookers, 1314 Clybourne av, Chicago
Chicago Nut Co., nut mfrs. & screw machine products, W. 20th, Chicago, Ill.
Chicago & Oak Park Cut Stone Co., Oak Park, Ill.
Chicago & Oak Park Supply Co., masons' & bldrs. matls., Desplaines av, Forest Park, Chicago, Ill.
Chicago Oxygen Gas Co., 1742 W. Madison, Chicago, Ill.
Chicago Oyster Pail Co., ice cream boxes, paper cups, 50 Green, Chicago, Ill. *See adv index at end of book*
Chicago Packing Co., meat packers, 4535 Gross av, Chicago.
Chicago Paper Tube & Can Co., 168 N. May, Chicago, Ill.
Chicago Pennant Co., 1310 E. 61st, Chicago, Ill.
Chicago Perforating Co., perforated metals, 208 S. La S Chicago, Ill.
Chicago Plumbing Supply Co., 726 W. Grand av, Chicago,
Chicago Plush & Leather Case Co., jewelry cases, 11 Franklin, Chicago, Ill.
Chicago Pneumatic Tool Co., 6 E. 44th, New York.
*See adv index at end of book.*
Chicago Portland Cement Co., 30 N. La Salle, Chicago, I
Chicago Printing Ink Co., 24 S. Clinton, Chicago, Ill.
Chicago Pulley & Shafting Co., 40 S. Clinton, Chicago, Ill
Chicago Pump Co., 2342 Wolfram, Chicago, Ill.
*See adv index at end of book.*
Chicago Ry. Equipment Co., 1928 W. 46th, Chicago, Ill.
Chicago Ry. Signal & Supply Co., elec. bells, 122 S. Michiga Chicago, Ill.
Chicago Raw Products Co., fertilizer mfrs., 2801 S. Ashlan Chicago, Ill.
Chicago Rawhide Mfg. Co., gears & pinions, 1301 Elston Chicago, Ill.
Chicago Recording Scale Co., machsts. & fndrs., Waukegan
Chicago Reed Ware Co., 1523 Carroll av, Chicago, Ill.
Chicago Retort & Fire Brick Co., Ottawa, Ill.
Chicago Roller Skate Co., 224 N. Ada, Chicago, Ill.

igo Rubber Clothing Co., blankets, mackintoshes, rubber goods, etc., Racine, Wis.
igo Rubber Co., mill & facty. supplies, 218 W. Mad., Chicago, Ill.
igo Sandoval Coal Co., McCormick bldg, Chicago, Ill.
igo Sash, Door & Blind Mfg. Co., 1249 W. North av, Chicago, Ill.
igo Scale Co., portable forges, 7740 S. Chi. av, Chicago, Ill.
igo Screw Co., Homar av & Fillmore, Chicago, Ill.
igo Sewer Pipe Co., 133 W. Washington, Chicago, Ill.
igo Ship Building Co., 101st & Calumet R., Chicago, Ill.
igo Show Card Wks., signs, cardboard, 406 Dearborn, Chicago, Ill.
igo Signal Co., 522 S. Clinton, Chicago, Ill.
igo Smelting & Refining Co., 25th & Loomis, Chicago, Ill.
igo Soda Fountain Co., 153 N. Jefferson, Chicago, Ill.
igo Solder Co., canning machy., solders, etc., 218 N. Union av, Chicago, Ill.
igo Special Constr. Co., 53 W. Jackson blvd, Chicago, Ill.
igo Sporting Goods Mfg. Co., 211 N. Carpenter, Chicago, Ill.
igo Spring Butt Co., hinges, 1500 Carroll av, Chicago, Ill.
igo Springfield Coal Co., Springfield, Ill.
igo Stage. Ltg. Co., 112 N. La Salle, Chicago, Ill.
igo Steel Car Co., Harvey, Ill.
igo Steam Heating Co., 565 W. Washington, Chicago, Ill.
igo Steel Foundry Co., castings, etc., 3701 S. Kedzie av, hicago, Ill.
go Steel & Manufacturing Co. See Chicago Boiler Tube o. (successor).
go Steel Post Co., 209 N. Michigan av, Chicago, Ill.
go Steel Tank Co., Cicero, Ill.
igo Steel Tape Co., 6231 Cottage Grove av, Chicago, Ill.
go Steel & Wire Co., 10257 Torrence av, Chicago, Ill.
igo Stone Conduit Co., Addison & Chi. River, Chicago, Ill.
go Store & Office Fixture Co., 820 S. Clinton, Chicago, Ill.
igo Stove & Range Co., 2500 Cottage Grove, Chicago, Ill.
go Surgical & Elec. Co., laboratory apparatus, etc., 324 W. Supr., Chicago, Ill.
go Switchboard Mfg. Co., 426 S. Clinton, Chicago, Ill.
go Tanning Co., leather gloves, 130 W. Austin av, Chicago, ll.
igo Tape & Label Co., labels & measuring tape, 521 N. Spaulding av, Chicago, Ill.
go Telephone Supply Co., Elkhart, Ind.
go Temperature Regulator Co., 215 W. Illinois, Chicago, ll.
go Time Lock Co., 2765 St. Marys, Chicago, Ill.
igo Tin Co., 2005 S. State, Chicago, Ill.
igo Tool & Kit Mfg. Co., 12 N. Market, Chicago, Ill.
go Tool Reclaiming Co., milling cutters, 147-9 Austin av, hicago, Ill.
go Tube & Iron Co., mill & facty. supplies, 1469 S. Jefferon, Chicago, Ill.
go Tubing & Braiding Co., 216 N. Clinton, Chicago, Ill.
go Union Lime Wks., McCook, Ill.
igo Union Lime Wks. Co., 1900 W. 19th, Chicago, Ill.
go Varnish Co., 2100 Elston av, Chicago, Ill.
go Veneer Co., Burnside, Ky.
go Wall Paper Mill, Steubenville, Ohio.
go Waste Co., cotton & woolen waste, 319-331 W. Ohio, hicago, Ill.
go Watch Tool Co., 1956 Grand av, Chicago, Ill.
igo Watchman's Clock Wks., 1526 S. Wabash av, Chiago, Ill.
go Well Supp. Co., cylinders & valves, 232 W. Ontario, hicago, Ill.
go Wheel & Mfg. Co., emery & corundum wheel mfrs., etc., 101 W. Monroe, Chicago, Ill.
go White Lead & Oil Co., 1454 S. Western av, Chicago, Ill.
go, Wilmington & Franklin Coal Co., McCormick bldg, hicago, Ill.
go Wire Chair Co., 619 N. La Salle av, Chicago, Ill.
igo Wire, Iron & Brass Wks., 2411 Belmont av, Chicago, Ill.
go Wire Rope Preserver Co., 315 S. La Salle, Chicago, Ill.
go Wood Carving Co. See Zork Mfg. Co. (successor).
go Wood Finishing Co. See Day, Jas. B. & Co. (successor).
amauga Fertilizer Works, Atlanta, Ga.
amauga Quarry & Constr. Co., Chattanooga, Tenn.
asaw Cooperage Co., Memphis, Tenn.
asaw Lumber Co., Ardmore, Okla.
asaw Machine & Foundry Co., Memphis, Tenn.
asaw Tile Co., Chickasaw, Ohio.
asha Iron Wks., machsts. & fndrs., Chickasha, Okla.
asha Milling Co., flour, Chickasha, Okla.
ering Bros., pianos, 2250 S. Park av, Chicago, Ill.
ering, Geo. W., architect, 6 Beacon, Boston, Mass.
ering, H. L., masons' & bldrs.' matls., Joplin, Mo.
ering & Sons, pianos, 791 Tremont, Boston, Mass.
pee Mfg. Corp., cotton blankets, duck, flannels & sheetings, hicopee Falls, Mass.
Kokomoko Spec. Co., furn. polish, Kokomo, Ind.
Mfg. Co., carpet cleaning machy., looms, etc., Indianapolis, nd.
Tractor Mfg. Co., traction engines, 607½ Woodward, Detroit, Mich.
Acme Cutter & Press Co., paper cutting machines, 184 Summer, Boston, Mass.

Child, Edw. S., architect, 29 Broadway, New York.
Child G. Sherman, archit., Lake Worth, Florida.
Child, Henry T., architect, 29 B'way, New York.
Child & Scott, heating contrs., 112 Wooster, New York.
Child, W. C. W., steel struct. wk., 355 Kingsland av, B'klyn, N. Y.
Child, W. T., architect, Evans blk, Denver, Colo.
Children's Vehicle Corp., East Templeton, Mass.
Childress Mills, flour, Childress, Va.
Childs Bros., contractors, Tallahassee, Fla.
Childs, Chas. M., & Co., paint mfrs., 43 Summit, B'klyn, N. Y.
Childs, H. L., & Co., mill & facty. supplies, 249 Water, Pittsburg, Pa.
Childs, Jno., Sr., machy. dlrs., Smiths Ferry, Pa.
Childs, Neal T., l'dscape architect, 68 Post, San Francisco, Cal.
Childs, O. J., Co., fire apparatus, Utica, N. Y.
Childs, S. D., & Co., sheet metal stamping, etc., 136 S. Clark, Chicago, Ill.
Childs & Smith, architects, 64 E. Van Buren, Chicago, Ill.
Childsdale Paper Co., Childsdale, Mich.
Chiles, E. N. & Co., flour mills, Gilmores Mills, Va.
Chilhawie Extract Co., Newport, Tenn.
Chilhowie Milling Co., flour, Chilhowie, Va.
Chillicothe Coal Co., masons' & bldrs.' matls., Chillicothe, Ohi
Chillicothe Hardware Co., Chillicothe, Ohio.
Chillicothe Iron Co., Chillicothe, Mo.
Chiloquin Lbr. Co., Chiloquin, Ore.
Chilson Furnace Co., Mansfield, Mass.
Chilton Canning Co., Chilton, Wis.
Chilton, Geo., cornices, Rouses Point, N. .
Chilton, Henry J., patent broker, 110 S. Dearborn, Chicago, Ill.
Chilton Paint Co., paint mfrs., College Point, L. I., N. Y.
Chilton Tractor Journal, Market & 49th, Phila., Pa.
China Grove Roller Mills, China Grove, N. C.
China & Japan Trading Co., loofahs, 80 Maiden lane, New York.
Chinn Mineral Co., Harrodsburg, Ky.
Chinook Lumber & Shingle Co., Seattle, Wash.
Chinook Packing Co., canned goods, Chinook, Wash.
Chioldi Bros., granite, Barre, Vt.
Chipley Home Mixture Guano Co., Chipley, Ga.
Chipman Chemical Engng. Co., Inc., chemical spec., 95 Liberty New York.
Chippewa Falls Canning Co., Chippewa Falls, Wis.
Chippewa Falls Woolen Mills, woolen blankets, Chippewa Falls Wis.
Chippewa Foundry & Machine Co., Chippewa Falls, Wis.
Chippewa Milling Co., flour, Montevideo, Minn.
Chippewa Shale Brick Co., Chippewa Lake.
Chiquola Mfg. Co., cotton sheetings, Honeapath, S. C.
Chiris Antoine Co., oils, 20 Platt, New York.
Chisholm, A. C., archit., 801 Garrison av, Fort Smith, Ark.
Chisholm, Boyd & White Co., brick machy., 57th & Wallace, Chicago, Ill.
Chisholm Co., 178 Centre, New York.
Chisholm, J. O., & Co., contractors, New Orleans, La.
Chisholm-Moore Mfg. Co., chain hoists, etc., 5046 Lakeside av, Cleveland, Ohio.
Chisholm, R. A., contractor, 180 Jessie, San Francisco, Cal.
Chisholm-Scott Co., machinists, Cadiz, Ohio.
Chisholm's, Wm., Sons & Co., scoops and shovels, 1588 E. 40th, Cleveland, Ohio.
Chisom, C. R., contractor, Bellingham, Wash.
Chisos Mining Co., 51 Exchange, Portland, Me.
Chittenden, E. D., Co., fertilizer mfrs., Bridgeport, Conn.
Chittenden & Eastman Co., mattresses, Burlington, Ia.
Chittenden & Kotting, architects, Dime Bk. Bldg., Detroit, Mich.
Chivers, Herbert Chelsey, architect, Woolworth bldg, New York.
Chivvis, W. R., lbr. mfrs., ft. Lafayette av, St. Louis, Mo.
Chloride of Silver Dry Cell Bty. Co., 407 N. Paca, Baltimore, Md
Chmelik, Frank, architect, 796 2nd av, Long Island City, N. Y
Choate, Chas. Edward, Esq., archit., Candler Bldg., Atlanta, Ga
Chocolate Cooler Co., ice cream cabinets, Grand Rapids, Mich.
Choctaw County Lbr. Co., Ackerman, Miss.
Choctaw Lbr. Co., Kansas City, Mo.
Choctaw Lbr. Co., Silas, Ala.
Choctaw Lbr. Co., Wright, Okla.
Choctaw Portland Cement Co., Tulsa, Okla.
Choctaw Pressed Brick Co., McAlester, Okla.
Choice, J. L., flour, Kilgore, Tex.
Chopa Piston Ring Co., 264 E. Jefferson av, Detroit, Mich.
Chowan Cotton Oil & Fertilizer Co., Edenton, N. C.
Chowning Regulator Corp., Corning, N. Y.
Chris Sign & Wall Paper Co., electric illuminated, Seattle, Wash.
Chrisman Fdry. Co., castings, rig irons, etc., Morgantawn, W. Va.
Chrisman's Const. Co., Christman, Ill.
Chrisney Canning Co., Chrisney, Ind.
Chrisp, Hugh P., architect, Cutler Bldg., Rochester, N. Y.
Chrispin, Jas. G., Lime & Cement Co., 2117 Monroe av, Norwood, Cincinnati, Ohio.
Christ Bros. Mfg. Co., tex. machy. supplies (tapes, braid & cords), 1303 Buttonwood Philadelphia, Pa.
Christa Marble Co., marble & onyx workers, 1625 St. Aubin, Detroit, Mich.

Christie-Kline Forge & Machine Co., iron & steel forgings, 453 Guoin, Detroit, Mich.
Christen Bellows & Mfg. Co., Main & Dock, St. Louis, Mo.
Christen, Chas., architect, Decatur, Ind.
Christensen, Adolph, contractor, 1433 Brown, Phila., Pa.
Christensen, C. S., Co., flour, Madelia, Minn.
Christensen, Carl C., contractor, Perth Amboy, N. J.
Christensen, Chas. W., architects, 1818 Greenleaf, Chicago, Ill.
Christensen & Christensen, contrs., 869 Grand, Bridgeport, Conn.
Christensen Construction Co., Felt Bldg., Salt Lake City, Utah.
Christensen Engng Co., oil engines, Milwaukee, Wis.
Christensen, Fred, Constr. Co., Perth Amboy, N. J.
Christensen, H. M., Co., shoe knives, Brockton, Mass.
Christensen, M. F., & Son Co., balls, marbles, Akron, Ohio.
Christensen, J. H., architect & contr., Benkelman, Neb.
Christensen Mach. Co., Racine, Wis.
Christensen, N., & Sons, wholesale hdwe., masons' & bldrs. matls & mill & facty. supplies, Beaufort, S. C.
Christensen, Oscar N., architect, Kenosha, Wis.
Christensen Rudolph, hdwe. mfr., 107 Chambers, New York.
Christenson Lbr. Co., lbr. mfg., 1950 3d, San Francisco, Cal.
Christenson, Wm., ornamental struct. iron & steel, York, Pa.
Christian Bros. Soap Co., 42 Delaware av, Albany, N. Y.
Christian Construction Co., Durham, N. C.
Christian, Geo. C., & Co., flour, 1004 New Ch. Com., Minneapolis, Minn.
Christian, Henry L., contr., Blythe, Cal.
Christian, J. E., & Co., contractors, 1119 Superior av, N. E., Cleveland, Ohio.
Christian, Jno., Mfg. Co., thresher teeth, San Jose, Cal.
Christian, L., & Co., flour, Shakopee, Minn.
Christian, T. S., contractor, Durham, N. C.
Christiana Mach. Co., Christiana, Pa.
Christiana Machine Co., machst., Wilmington, Del.
Christiano, Jos., contractor, Greenwich, Conn.
Christiansen Bros., contractors, 469 1st av, Milwaukee, Wis.
Christiansen, C., cabinet makers' benches, clamp, 2814 W. 26th, Chicago, Ill.
Christiansen, Chas., cornices, 276 Water, New York.
Christiansen, L., automatic elev. gates, 254 Broad, Lynn, Mass.
Christianson, L., automatic elevator gates, 254 Broad, Lynn, Mass.
Christianson, Peter, contr., De Kalb, Ill.
Christie, Alex., & Co., automobile springs, Seattle, Wash.
Christie, B. B., fndrs., Dayton, Ohio.
Christie Cut Stone Co., Memphis, Tenn.
Christie Machine Works, 191 Fremont, San Francisco, Cal.
Christman, A. G., Co., washing machines, ironing boards, Reading, Pa.
Christman, B., lumber, Loyal, Wis.
Christman, H. G., Co., contractors, South Bend, Ind.
Christman Piano Co., 597 E. 137th, New York.
Christman Sons, pianos, 35 W. 14th, New York.
Christmann, Phillip, & Sons Co., doors, sheet metal, etc., 858 Virginia, Buffalo, N. Y.
Christoffel's, A., Sons, scrapers, cleaners, boiler flue or tube, 277 Eldert, Brooklyn, N. Y.
Christofferson Aircraft Mfg. Co., 57 Post, San Francisco, Cal.
Christopher, Geo. C., & Son, bank & office railings, Wichita, Kan.
Christopher, J. H., contractor, Ridgewood, N. J.
Christopher, G. Co., mill & facty. supplies, Jacksonville, Fla.
Christopher & Simpson Iron Wks., 9th & Pk. av, St. Louis, Mo.
Christy Co., razor mfrs., Fremont, Ohio.
Christy Knife Co., Fremont, Ohio.
Chrome Steel Wks., iron rolling mills, Chrome, N. J.
Chromister, V. H., soap, Decatur, Ill.
Chromos Chem. Co., Inc., 35 W. 42nd, New York.
Chrystal, Chas. B., clays, minerals, etc., 13 Cliff, New York.
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Chryster & Koppier, store fixtures & refrigerators, 819 W. Warren av, Detroit, Mich.
Chubb, John D., architect, 109 N. Dearborn, Chicago, Ill.
Chubbuck Furnace Co., 1892 Washington, Boston, Mass.
Chumbley, J. E. & Co., wire measuring mach., Nashville, Tenn.
Chupka, Jno. & Son, contr., Berwyn, Ill.
Church Appliance Mfg. Co., coal chutes; joists, anchor wall ties, corner beads, etc., La Salle, Ill.
Church Art Work Co., archl. modelers, Mount Vernon, N. Y.
Church Bros., lumber mfrs., Afton, N. Y.
Church Bros., machsts. & fndrs., Adrian, Mich.
Church, C. F., Mfg. Co., plumbers' supplies & bathroom fixtures & fittings, mfrs., Holyoke, Mass.
Church & Coover, Shoaff Bldg., Fort Wayne, Ind.
Church, D. O., Co., contractors, 68 Post, San Francisco, Cal.
Church & Dwight Co., chemicals, 27 Cedar, New York.
Church, E. C., Co., whol. hdwe. & mill & facty. supplies, 5 Eddy, Providence, R. I.
Church, E. I., & Co., weather strips, West Hanover, Mass.
Church, Elmore, lbr. mfrs., Brasher Falls, N. Y.
Church, H. W., contractor, 494 Ashland av, St. Paul, Minn.
Church, expansion & toggle bolts, East Norwalk, Conn.
Church, J. Winfield, contractor, Narragansett Pier, R. I.
Church, Jas. A., Co., contractors, 262 Sherman av, New Haven, Conn.
Church, John, Co., pianos, 109 W. 4th, Cincinnati, Ohio.
Church & Morse, whol. hdwe. & mill & facty. supplies, Meriden, Conn.

Church, Stephen B., mill & facty. supp., Seymour, Conn.
Church St. Machy. & Engrg. Corp., machy. & hdwe. exporters, 30 Church, New York.
Church, W. C., Lumber Co., Des Moines, Ia.
Churchill & Allen, shoe tacks, nails, etc., Lynn, Mass.
Churchill Cabinet Co., tel. cabinet wk., 2119 Churchill, Chicago
Churchill, Frank G., architect, Hennen bldg, New Orleans, La.
Churchill, Judson N., architect, Lansing, Mich.
Churchill-Milton Lbr. Co., Greenwood, Miss.
Chuse Engine & Mfg. Co., Mattoon, Ill.
Chute & Butler Co., organs & pianos, Peru, Ind.
Chytraus, Olaf, contractor, 555 E. 8th, So., Salt Lake City, Utah
Cianci, Joseph, & Son Co., contractors, 12 Ring, Providence, R. I.
Cibara Mfg. Co., vegetable glue, 1512 Clark, St. Louis, Mo.
Cicero Fuel & Building Material Co., Cicero, Ill.
Cicero Lumber Co., Cicero, Ind.
Cifax Packing Co., canned goods, Cifax, Va.
Cigar Mach. Corp. of Amer., 506 N. Eutaw, Baltimore, Md.
Cilley, W. W., & Co., machinists, Lynn, Mass.
Cincinnati Abattoir Co., meat packers, Spring Grove av nr Stock Yards, Cincinnati, Ohio.
Cincinnati Advtg. Prod. Co., signs, glass, 1101 York, Cincinnati Ohio.
Cincinnati Aluminum Casting Co., Norwood, Cincinnati, Ohio
Cincinnati Artistic Wrought Iron Co., 2941 Eastern av, Cincinnati, Ohio.
Cincinnati Auto Specialty Co., auto tops, 426 Elm, Cleveland, O
Cincinnati Automatic Machine Co., screw machines, Cincinnati Ohio.
Cincinnati Bag Co., 601 E. 5th, Cincinnati, Ohio.
Cincinnati Ball Crank Co., North Oakley, Cincinnati, Ohio.
Cincinnati Bell Foundry Co., 2933 Spring Grove av, Cincinnati Ohio.
Cincinnati Bellows Wks., 2211 Norwood av, Norwood, Cincinnati, Ohio.
Cincinnati Beveling & Silvering Co., glass benders & bevelers 430 Oliver, Cincinnati, Ohio.
Cincinnati Bickford Tool Co., Cincinnati, Ohio.
Cincinnati Brick Co., Addyston, Ohio.
Cincinnati Butchers' Supply Co., butchers' machy., meat choppers & slicers, 2008 Central av, Cincinnati, Ohio.
Cincinnati Can Co., oil, gasoline & pump cans, etc., 426 Culvert Cincinnati, Ohio.
Cincinnati Car Co., Spring Grove & Mitchell av, Cincinnati, O
Cincinnati Cement Products Co., garden furniture, window refrigerators, 2016 Dana av, Cincinnati, Ohio.
Cincinnati Cigar Box Co., gum lumber mfrs., 2d & John, Cincinnati, Ohio.
Cincinnati Clay Products & Supply Co., masons' & bldrs.' matls Johnston Bldg., Cincinnati, Ohio.
Cincinnati Cloth Button Co., 536 Main, Cincinnati, Ohio.
Cincinnati Coffin Co., Richmond, Carr & Fillmore, Cincinnati, O
Cincinnati Cornice Wks., 637 W. Court, Cincinnati, Ohio.
Cincinnati Crushed Stone & Gravel Co., Union Central Bldg Cincinnati, Ohio.
Cincinnati Cushion Co., mattresses, 116 Opera pl, Cincinnati, O
Cincinnati Electrical Tool Co., Cincinnati, Ohio.
Cincinnati Elevator Wks., machinists, 212 W. 2d, Cincinnati, O
Cincinnati Envelope Co., 9th & Sycamore, Cincinnati, Ohio.
Cincinnati Engng. Tool Co., Winton pl., Cincinnati, Ohio.
Cincinnati Flag Pole Co., Bond Hill, Cincinnati, Ohio.
Cincinnati Floor Co., Eastern av & Linwood rd, Cincinnati, O
Cincinnati Fly Screen Co., Gest & Evans, Cincinnati, Ohio.
Cincinnati Fdry. Co., Cincinnati, Ohio.
Cincinnati Frog & Switch Co., Madison rd, Oakley, Cincinnati Ohio. *See adv index at end of book.*
Cincinnati Galvanizing Co., ash cans, galvanized iron & garbage pails, McMicken av & Tafel, Cincinnati, Ohio.
Cincinnati Gear Co., 1815 Reading rd, Cincinnati, Ohio.
Cincinnati Gear Cutting Machine Co., Elam & Garrard av, Cincinnati, Ohio.
Cincinnati Glue Heater Co., Cincinnati, O.
Cincinnati Granite Wks., 4043 Spring Grove av, Cincinnati, O
Cincinnati Grinder Co., 3233 Colerain, Cincinnati, Ohio.
Cincinnati Hdwd. Lbr. Co., 2624 Colerain av, Cincinnati, Ohio
Cincinnati Horse Shoe & Iron Co., Cleves, Ohio.
Cincinnati Iron Fence Co., 3300 Spring Grove av, Cincinnati Ohio.
Cincinnati Iron & Steel Co., lathes, etc., Cincinnati, Ohio.
Cincinnati Lathe & Tool Co., Oakley, Cincinnati, Ohio.
Cincinnati Lubricant Pump Co., Blanchester, Ohio.
Cincinnati Machy. Exchange, 2nd hand machy., 324 E. 2nd Cincinnati, Ohio.
Cincinnati Mfg. Co., ornamental iron & bronze work, fireproof doors, etc., Cincinnati, Ohio.
Cincinnati Metal Refining Co., Babbitt metal, 1314 Dayton, Cincinnati, Ohio.
Cincinnati Milling Machine Co., Cincinnati, Ohio.
Cincinnati Oil Wks. Co., lubrg. oils, 525 Eggleston av, Cincinnati, Ohio.
Cincinnati Panel Co., auto. & carriage bodies, 1938 W. 8th, Cincinnati, Ohio.
Cincinnati Pattern Wks., Front & Lawrence, Cincinnati, Ohio.
Cincinnati Planer Co., Oakley, Cincinnati, Ohio.
Cincinnati Plate Glass Co., 319 W. 2d, Cincinnati, Ohio.
Cincinnati Pulley Machy. Co. See Avery Drilling Mach. Co. (successor).

nati Pump Co., Liberty & Clay, Cincinnati, Ohio.
nati Ry. Supply Co., wire rope clips, 13 E. 2d, Cincinnati, io.
nati Regala Co., badges & flags, 4th & Elm, Cincinnati, O.
nati Rubber Mfg. Co., belting, hose, packing, etc., Cinnati, Ohio.
nati Sash & Door Co., 942 W. 6th, Cincinnati, Ohio.
nati Screw Co., Twightwee, Cincinnati, Ohio.
nati Sewer Pipe Co., Elm & Water, Cincinnati, Ohio.
nati Shaper Co., Elam & Garrard, Cincinnati, Ohio.
nati Sheet Metal & Roofing Co., 226 E. Front, Cincinnati, io.
nati Soap Co., Sp. Grove & Clifton avs, Wn. pl, Cincinnati, io.
nati Stamping Co., tinware, etc., 24 W. McMicken av, ncinnati, Ohio.
nati Steel Castings Co., Queen City & Spring Grove avs, ncinnati, Ohio.
nati Storage Battery Co., Moormann & Madison rd, Cinnati, Ohio.
nti Tech. School, engng. schools & coll., Cincinnati, Ohio.
nati Tent & Awning Co., tool rolls, 232 E. 3d, Cincinnati, io.
nati Time Recorder Co., 9 Church, New York.
nati Tool Co., chisels, clamps, linemen's tools, etc., Norood, Cincinnati, Ohio. *See adv index at end of book.*
nati Truss Hoop Co., 115 W. 2d, Cincinnati, Ohio.
nati Varnish Co., 2111 South, Cincinnati, Ohio.
nati Veneer Co., 1285 W. 6th, Cincinnati, Ohio.
nati Wire Bound Box Co., Carthage Pike & Big 4 R. R. . B., Cincinnati, Ohio.
y, Abraham, & Son, scrap iron, South Bend, Ind.
ros., brick, Donaldsonville, La.
Mach. Tool Co., engine lathes, Cincinnati, Ohio.
& Morse, contrs., Marietta, Ohio.
Thos., & Co., brick, Marietta, Ohio.
J. R., meat packers, Perryville, Mo.
Furnace Co., Chattanooga, Tenn.
s' Canning Co., Spiceland, Ind.
s' Coal Mining Co., Springfield, Ill.
s' Construction Co., 133 W. Washington, Chicago, Ill.
's Gas Co., coke, 47 S. Penn., Indianapolis, Ind.
s' Home Bldg. Co., Citizens' Bldg., Cleveland, Ohio.
s' Lumber Co., Pillsbury & Territorial rd, St. Paul, Minn.
s' Lumber Co., Parkersburg, W. Va.
s' Mill & Gin Co., flour, Alice, Tex.
s' Sand & Gravel Co., Toledo, Ohio.
Soap Co., San Diego, Cal.
en, B. D., masons' & bldrs.' matls., Burton, Ohio.
oiler & Machine Co., 939 W. 8th, Kansas City, Mo.
rass Fdry. Co., castings, 5318 St. Clair av, Cleveland, O.
rass Wks., founders, Columbus, Ohio.
rass Wks., machsts. & fndrs., 1744 Carroll av, Chicago,

itton Wks., 376 2d av, New York.
arriage Wks., Ft. Wayne, Ind.
al Co., masons' & bldrs.' matls., Pawtucket, R. I.
al & Wood Co., masons' & bldrs.' matls., New Britain, nn.
ncrete & Coal Co., masons' & bldrs.' matls., 936 Woodrd av, Detroit, Mich.
nstr. Co., Pereles Bldg., Milwaukee, Wis.
rnice Works, Seattle, Wash.
rnices & Skylight Co., 267 W. 35th, New York.
ngineering Co., machinists, Dayton, Ohio.
our Milling Co., Statesville, N. C.
rge & Iron Works, 424 E. First, Dayton, Ohio.
undry Co., 45th & Hamilton av, Cleveland, Ohio.
undry Co., 2585 Pawtucket av, Providence, R. I.
undry Co., Toledo, Ohio.
el & Supply Co., masons' & bldrs.' matls., Hammond, Ind.
s Co., coal tar products, Norfolk, Va.
on Fndry., Lowell, Mass.
on Wks., Grand Ledge, Mich.
on Wks. & Mach. Co., 522 S. Del. av, Philadelphia, Pa.
mber Co., Jackson, Tenn
mber Co., Woonsocket, R. I.
r. & Coal Co., 590 W. Main, Waterbury, Conn.
mber Yard, sash, door & blind, Iron Mountain, Mich.
achine Co., 5321 St. Clair, Cleveland, Ohio.
ach. & Tool Wks., Dayton, Ohio.
chine & Tool Co., Toledo Factories Bldg., Toledo, O.
ll & Grain Co., flour, Columbia, Tenn.
lls Co., flour, Columbus, Ga.
rnamental Iron, Wire & Brass Wks., fndrs., San Diego, l.
rnamental Iron Works, 728 S. Main, Los Angeles, Cal.
aint & Varnish Co., 1419 Franklin, St. Louis, Mo.
ving & Constr. Co., 2064 W. 13th pl, Cleveland, Ohio.
int Concrete Co., 149 Greenwich av, New Haven, Conn.
sh & Door Co. See Smith Sash & Door Co. (successor).
reet Improvement Co., contractors & dock bldrs., 3001 h, San Francisco, Cal.
Suburban Buildings Co., Fort Wayne, Ind.
aste Disposal Co., 45 7th av, New York.
enter Supply Co., masons' & bldrs.' matls., 603 Octavia, n Francisco, Cal.

Cizek Bros. Mfg. Co., portable grain elev., Clutier, Ia.
C. J. Mfg. Co., meters (coal), 3425 N. 5th, Philadelphia, Pa.
Clad, Victor V., Co., cooking app., 217-219 S. 11th, Phila., Pa.
Claflin, C. A., Co., boiler tube soot blowers & steam hose couplings mfrs., 161 High, Boston, Mass.
Claffin Engng. Co., rubber molds, Lancaster, Ohio.
Clafin, H. B., architect, Phoenix, Ariz.
Claflin Machine Co., Waterville, Me.
Claflin Mill & Elevator Co., Claflin, Kan.
Claflin, Waldo M., shoes (baseball & athletic), 1107 Chestnut, Philadelphia, Pa.
Claggett Saddletree Co., Jeffersonville, Ind.
Claiborne Av Sash Factory Co., 2460 N. Claiborne, New Orleans, La.
Claiborne, Johnston & Co., contractors, Garrett Bldg., Baltimore, Md.
Claire, Justinian, Co., chemical apparatus, 573 Market, San Francisco, Cal.
Cla Loid Mfg. Co., soap, Clermont, Ia.
Clampitt & Moss. See Rosco Moss (successor).
Clancy Hardware Co., Syracuse, N. Y.
Clancy, J. R., hose clamps, etc., Syracuse, N. Y.
Clancy, W. J., contractor, Ann Arbor, Mich.
Clapp & Abercrombie Co., architects, Greenfield, Mass.
Clapp, Alfred, lumber, 112 Water, Boston, Mass.
Clapp, B. P., Ammonia Co., Louisville, Ky.
Clapp, C. E., & Co., scrap iron & rubber, 170 Summer, Boston, Mass.
Clapp, Chalmers S., architect, Framingham, Mass.
Clapp, E. D., Mfg. Co., carriage hardware, etc., 300 Genesee, Auburn, N. Y.
Clapp, E. H., Rubber Co., reclaimed rubber, 49 Federal, Boston, Mass.
Clapp Eastham Co., wireless telegraph instruments mfrs., Cambridge, Mass.
Clapp Fire Resisting Paint Co., Bridgeport, Conn.
Clapp, H. D. B., & Co., burlap, 824 N. American, Phila., Pa.
Clapp, J. M., contractor, Seattle, Wash.
Clapp & Treat, whol. hdwe. & mill & facty. supplies, 68 State, Hartford, Conn.
Clapp, Z. C., steam htg. contractors, Springfield, Mass.
Clarage Fan Co., centrifugal fans, North & Porter, Kalamazoo, Mich.
Clare Knitting Mills, knitted gloves, Saginaw, Mich.
Claremont Knitting Co., sweaters, cardigans, etc., 206 Stagg, Brooklyn, N. Y.
Claremont Paper Co., Claremont, N. H.
Clarendon Cotton Oil Co., meal, St. Paul, S. C.
Clarendon Marble Co., West Rutland, Vt.
Clarendon Refining Co., petroleum products, Clarendon, Pa.
Clarendon Torpedo Co., Titusville, Pa.
Clarinda Lawn Mower Co., Clarinda, Ia.
Clarion Gas Co., Oil City, Pa.
Clark, A. C., & Co., boiler flue cleaners, 1035 E. 76th, Chicago, Ill.
Clark, A. F. Lumber Co., wood cross arms, Peabody, Mass.
Clark, A. L., Lumber Co., Glenwood, Ark.
Clark, A. L., Stone Co., Elizabeth, N. J.
Clark, A. N., & Son, machsts. & fndrs., Plainville, Conn.
Clark, A. R., & Co., contractors, 30 N. Michigan av, Chicago, Ill.
Clark, Allen, & Co., handles, New Britain, Ohio.
Clark, Allison P., Co., contractors, Montclair, N. J.
Clark, Alvan, & Sons Corp., telescopes, Cambridge, Mass.
Clark, Appleton P., Jr., architect, 816 14th, N. W., Washington, D. C.
Clark & Arms, architects, 351 Lexington av, New York.
Clark & Bates Lbr. Co., sash, door & blind mfrs., Commerce Bldg., Kansas City, Mo.
Clark Blade & Razor Co., 119 Sussex av, Newark, N. J.
Clark Body Co., auto. metal bodies, Water, Amesbury, Mass.
Clark & Boice Lbr. Co., Dallas, Tex.
Clark Brick & Tile Co., Clark, N. C.
Clark Bros., flour, Troy, Kan.
Clark Bros., htg. contractors, 1228 Locust, Philadelphia, Pa.
Clark Bros., masons' & bldrs.' matls., Cambridge, Mass.
Clark Bros. Bolt Co., bolts, nuts, screws & rivets, mfrs., Milldale, Conn. *See adv index at end of book.*
Clark Bros. Co., machsts. & fndrs., Olean, N. Y.
Clark Bros. & Co., sash, door & blind, Plymouth, Pa.
Clark Bros. Cutlery Co., 926 B'way, Kansas City, Mo.
Clark Bros. Pottery Co., Cannelton, Ind.
Clark, Burton S., architect, 747 Main, Hartford, Conn.
Clark, C. C., & Son, fertilizer mfrs., Mt. Ephraim, N. J.
Clark, C. Everett, Co., contractors, 69 W. Washington, Chicago, Ill.
Clark, C. N., & Co., stone producers., Urbana, Ill.
Clark, C. W., architect, Cortland, N. Y.
Clark Cadle Harmon Corp., washing machines, Rochester, N. Y.
Clark, Cameron, architect, 351 Lexington av, New York
Clark Car Co., industrial, mine, ore & railroad cars, etc., 1624 Oliver bldg, Pittsburgh, Pa.
Clark Cast Steel Cement Co., elastic, iron & pipe joint cements, Shelton, Conn.
Clark, Chas. J., air meters, 1716 W. Adams, Chicago, Ill.
Clark, Chas. R., architect, Champaign, Ill.
Clark, Chas. S., architect, 443 E. Tremont av, New York.

Clark, Chester N., architect, Beverly, Mass.
Clark Co., iron & steel nipples, West Newton, Pa.
Clark & Co., contractors, 225 5th av, New York.
Clark & Co., lbr., sash, door & blind mfrs., 515 Hunterdon, Newark, N. J.
Clark & Co., stone producers, wkrs., dealers, 1912 N. 3rd, Philadelphia, Pa.
Clark Coal & Coke Co., Peoria, Ill.
Clark Construction Co., Danville, Ill.
Clark Construction Co., 928 B'way, Kansas City, Mo.
Clark County Construction Co., Winchester, Ky.
Clark County Lumber Co., Springfield, Ohio.
Clark County Lbr. Co., Smithton, Ark.
Clark & Craighead, contractors, 6346 Opal, Philadelphia, Pa.
Clark, Cyrus B., dowels, Grand Rapids, Mich.
Clark, D. M., cornices & skylights, Marquette, Mich.
Clark, D. N., masons' & bldrs.' matls., Shelton, Conn.
Clark, D. P., archit., Bay City, Mich.
Clark, D. W., & Co., aluminum castings, 280 First, Boston, Mass.
Clark-Danforth Handle Co., Cairo, Ill.
Clark, David H., Co., contractors, 166 Brewery, New Haven, Conn.
Clark Dust Collecting Co., Fisher Bldg., Chicago, Ill.
Clark, E. C., Motor Co., machinists, Jackson, Mich.
Clark, E. R., Co., machinists, Hartford, Conn.
Clark, Earl S., & Co., industrial engnrs., Turks Head Bldg., Providence, R. I.
Clark, Edred W., machinist, Hartford, Conn.
Clark, Edw. S., auto. engines, Boston, Mass.
Clark, Edwin H., archit., 6 N. Michigan av, Chicago, Ill.
Clark, Elbert N., contractor, Milford, Conn.
Clark Elec. & Mfg. Co., 149 B'way, New York.
Clark Elec. Meter Co., 1330 12th, Detroit, Mich.
Clark, Elizabeth B., landscape architect, 235 S. 11th Phila., Pa.
Clark Engine & Boiler Co., steam engines & boilers, Kalamazoo, Mich.
Clark Equipment Co., tools, Buchanan, Mich.
Clark, F. Alton, architect, Naugatuck, Conn.
Clark, F. C., petrolatum, wax, etc., 316 Kinzie, Chicago, Ill.
Clark, F. N., lbr. mfrs., Manton, Mich.
Clark, F. R., granite, Concord, N. H.
Clark & Flanagan, switchboards, Fair Haven, Vt.
Clark Flexible Coupling Co., 27 Walker, New York.
Clark Flexible Metallic Packing Co., Portland, Me.
Clark Fndry. Co., Rumford, Me.
Clark, Fred G., Co., chemicals, 1081 W. 11th, Cleveland, Ohio.
Clark, G. A., Co., sash, door & blind mfrs., Sidney, N. Y.
Clark, G. Aldersey, landscape archt., 46 Cornhill, Boston, Mass.
Clark, Gardner, masons' & bldrs.' matls., Philadelphia, N. Y.
Clark, Gay, Mfg. Co., spokes, Little Rock, Ark.
Clark, Geo. A., & Son, mill & facty. supplies, Minneapolis, Minn.
Clark, Geo. C., Metal Last Co., machsts., Mishawaka, Ind.
Clark, Geo. D., masons' & bldrs.' matls., Blossburg, Pa.
Clark, Geo. H., & Co., hosiery boards, Meredith, N. H.
Clark, Geo. M., & Co., gas heaters, stoves, ovens, etc., 179 N. Michigan av, Chicago, Ill.
Clark, George P., Co. (The), trucks, casters, fans & wringing machines, mfrs., Windsor Locks, Conn.
Clark, Geo. W., tin cans, 252 Water, New York.
Clark-Graham Co., canned goods, Tacoma, Wash.
Clark Grain & Fuel Co., masons' & bldrs.' matls., Chippewa Falls, Wis.
Clark Grave Vault Co., burial vaults, Columbus, Ohio.
Clark, H. C., & Son Machine Co., paper mill machy., Lee, Mass.
Clark, H. E., & Bros., door lock, etc., mfrs., (Brighton), Rochester, N. Y.
Clark, H. F. Jr., paper fasteners, 900 F, N. W., Washington, D. C.
Clark, H. W., Co., machsts. & fndrs., Mattoon, Ill.
Clark, H. W., & Son, machsts. & fndrs., Denison, Tex.
Clark, Haniel, & Son, sash, door & blind, Union City, Pa.
Clark, Haniel, & Son Co., sash, door & blind mfrs., Corry, Pa.
Clark Hardware Co., Black Hawk, Colo.
Clark Hardware Co., Jamestown, N. Y.
Clark Harp Mfg. Co., gut strings, etc., 416 S. Salina, Syracuse, N. Y.
Clark, Harry C. & Co., contrs., Delaware City, Del.
Clark & Henery Construction Co., Stockton, Cal.
Clark, Henry N., Co., hot air furnaces, 56 Union, Boston, Mass.
Clark, Herd Mfg. Co., tables (billiard, pool), 2419 N. Front, Philadelphia, Pa.
Clark Implement Co., machsts. & fndrs., Council Bluffs, Ia.
Clark, J. A., sash, door & blind, Point Marion, Pa.
Clark, J. Alfred, machsts. & fndrs., 35th & Gray's Ferry rd, Philadelphia, Pa.
Clark, J. B., architect, Henry Bldg., Portland, Ore.
Clark, J. C., machsts. & fndrs., Atlanta, Ga.
Clark, J. G., lumber mfr., Beirne, Ark.
Clark, J. H., Hdwe. Co., mill & facty. supplies, 137 W. Lake, Chicago, Ill.
Clark, J. L., Mfg. Co., auto bodies & forgings, Oshkosh, Wis.
Clark, J. L., Mfg. Co., boxes, tin cans, flour sifters, etc., Rockford, Ill.
Clark, J. M., steam engines, Whitestone, L. I., N. Y.
Clark, J. N., masons' & bldrs.' matls., Milford, Ohio.
Clark, J. R., Co., packing box mfrs., 2d av, N., & Aldrich av, Minneapolis, Minn.
Clark, Jas. F., cornices, 15 Grant ct, Detroit, Mich.
Clark, Jas., Jr., Electric Co., machsts., Louisville, Ky.
Clark, Jas. T., Co., machsts. & fndrs., 70 Adams, Newark, N.
Clark, John, & Sons, contrs., Nanticoke, Pa.
Clark, Jno., sash, door & blind mfrs., 231 Hopkinson av, Brooklyn, N. Y.
Clark, Jno., Saddlery Co., Portland, Ore.
Clark, Josiah, stone producers, Quakertown, Pa.
Clarke, L. C., & Co., whol. hdwe., Danville, Va.
Clark, L. D., & Son, canned goods, Eastport, Me.
Clark & Lee Co., contractors, 201 Devonshire, Boston, Mass.
Clark Lumber Co., Auburn, N. Y.
Clark Lbr. Co., Millwood, Ore.
Clark, M. F., contractor, Youngstown, Ohio.
Clark Machine Co., St. Johnsville, N. Y.
Clark Machy Co., boring tools, 1302 Ontario, Cleveland, Ohi
Clark Mach. & Fdry. Co., textile machy., supplies, etc., Franklin, Mass.
Clark Mach. Wks., metal band saws, Belmont, N. Y.
Clark, MacMullen & Riley, heating & ventg. engrs., 101 Park a New York.
Clark Mfg. Co., brick, Moseleyville, Ky.
Clark Mfg. Co., coffins, etc., 46 Mathewson, Providence, R.
Clark Mfg. Co., horse blankets, West Newton, Mass.
Clark, Melville, Piano Co., 25 E. Jackson Blvd., Chicago, Ill.
Clark Mesker Co., milling machine mfrs., 18511 Euclid a Cleveland, Ohio
Clark Milling Co., flour, Augusta, Ga.
Clark & Mills Elec. Co., Cambridge, Mass.
Clark, N. & Sons, brick & tile, 116 Natoma, San Francisco, C
Clark-Nickerson Lumber Co., Everett, Wash.
Clark & Norton Mfg. Co., machsts. & fndrs., Wellsville, N. Y.
Clark, O. L., architect, Bakersfield, Cal.
Clark Paint, Oil & Glass Co., Rochester, N. Y.
Clark Paper & Mfg. Co., Rochester, N. Y.
Clark & Pearce, granite, S. Quincy, Quincy, Mass.
Clark, Peter, Iron Wks., 406 W. 30th, New York.
Clark, R. F. Mfg. Co., husking hooks, 54 W. Lake, Chicago,
Clark, R. S., & Son, labels & tags, Cohoes, N. Y.
Clark, Robert C., architect, U. S. Yards, Chicago, Ill.
Clark, Robt. E., Thread Co., Chester, Pa.
Clark & Russell, architects, 110 Tremont, Boston, Mass.
Clark, S. L., & Son, lbr. mfrs., Larishville, N. Y.
Clark, Samuel Adam, architect, 108 E. 29th, New York.
Clark-Smith Hardware Co., Peoria, Ill.
Clark & Son Co., lbr. sashes & doors, Corry, Pa.
Clark Supply House, steam fitters' supplies, Noblesville, Ind.
Clark, T. B., & Co., cut glassware, Honesdale, Pa.
Clark Textile Co., knitted gloves, Saratoga Springs, N. Y.
Clark, Thos. A., molders bellows, 5873 Side av, N. W., Clevela Ohio.
Clark Thread Co., Clark, Newark, also East Newark, N. J.
Clark, Tom, architect, Fremont, Neb.
Clark & Tunison, contractors, 17 Queens, Long Island City, N
Clark, W. Emery, architect, Bakewell Bldg., Pittsburgh, Pa.
Clark, W. J., Co., textile machy., supplies, etc., Salem, Ohio.
Clark, W. L., Co., advtg. signs, 115-117 Nassau, New York.
Clark, W. N., Co., canned goods, Rochester, N. Y.
Clark, Walter, mill & facty. supplies, Clarksdale, Miss.
Clark, Wm. C., machsts. & fndrs., Franklin, Mass.
Clark, Wm. J., contractor, Carnegie, Pa.
Clark, Wm. L., architect, Alexandria, Va.
Clark & Wilson Lbr. Co., Linnton, Ore.
Clark & Wynne, contrs., 8 La Salle, Chicago, Ill.
Clarke, A. B., & Son Hardware Co., 510 E. Broad, Richmond,
Clarke, Audley, Co., masons' & bldrs.' matls., 527 Smith, Br lyn, N. Y.
Clarke Can Co., boxes & cans (sitho metal), 12th & Fitzwa Philadelphia, Pa.
Clarke, Chas. A., masons' & bldrs.' matls., Jennings, La.
Clarke, Chas., & Co., contractors, Galveston, Tex.
Clarke Chem. Co., mfg. chemists, Wickliffe, Ohio.
Clarke-Conroy Co., stone producers, Norwich, N. Y.
Clarke Construction Co., Clinton, Ia.
Clarke & Courts, architects & engineers' instruments & supp Galveston, Tex.
Clark, E. N .& Son, road contr., Milford, Conn.
Clarke, F. H., Mfg. Co., concrete mixers, 10719 Superior Cleveland, Ohio.
Clarke Gas Engine Co., machsts., Evansville, Ind.
Clarke, Geo. W., Co., machy. dlrs., 149 B'way, New York.
Clarke & Harrison. See Clarke, G. W., Inc. (successor).
Clarke & Howe, architects, Turk's Head Bldg., Providence, I
Clarke, J. J., Co., Ltd., masons' & bldrs.' matls., 1111 Julia, Orleans, La.
Clarke, J. O., Tank Co., Crawfordsville, Ind.
Clarke, Martin, Shipbuilding Co., concrete barges, Catskill,
Clarke, Robt., bath room fix. & furnishings, 100 Schermerh Brooklyn, N. Y.
Clarke, T. A., Co., contractors, 122 Livingston, Brooklyn, N
Clarke, Wm., & Sons, damasks (cotton), Cedar & Margaret, P adelphia, Pa.
Clarke & Winston Co., contractors, 10th & Wharf, S. W., W ington, D. C.
Clarke's Brass Fdry., Kansas City, Mo.
Clarke's Saw & Mach. Wks., saw blades, 66 Alpine, New N. J.

ks, A. H., Son, contractors, 275 High, Newark, N. J.
k's Foundry, grey iron castings, 1327 Osage, Denver, Colo.
k's Iron Fdry., Bayonne, N. J.
ksburg Casket Co., Clarksburg, W. Va.
ksburg Glass Co., benders, Clarksburg, W. Va.
ksburg Opalescent Glass Works, Clarksburg, W. Va.
ksdale Machinery Supply Mfg. Co., Clarksdale, Miss.
kson Coal Mining Co., Rockefeller bldg, Cleveland, Ohio.
kson College of Technology, engng. school & colleges, Potsdam, N. Y.
kson & Ford Co., lubrg. oils., 55 Water, New York.
kson Glue Co., 3259 Shields av, Chicago, Ill.
kson, John T., contractor, Hagerstown, Md.
kson Milling Co., flour, Clarkson, Ky.
kson School of Technology, Potsdam, N. Y.
ksville Fdry. & Mach. Works, Clarksville, Tenn.
lotte Leather Belting Co., Charlotte, N. C.
y Bros., carriages, Troy, N. Y.
A. C., architect, Colby-Abbott Bldg., Milwaukee, Wis.
n Architectural Metal Works, roofing & sheet metal contractors, 428 Kinsley av, Providence, R. I.
n Map Co., Denver, Colo.
e, F. M., mattresses, 2727 S. B'way, St. Louis, Mo.
berg, F. A., & Co., razor & cutlery mfrs., 27 Park pl, New York.
de & Starck, architects, Madison, Wis.
lius, Chas. W., architect, Richmond, Cal.
Automatic Gas Cock Co., brass castings, 1614 Booth, Milwaukee, Wis.
sen, C. F., contr., 3153 Leland av, Chicago, Ill.
sen, Chas. O., architect, Hearst Bldg., San Francisco, Cal.
sen, H. C., Iron Wks., 433 E. 74th, New York.
sen & Kruse, architects, Central Office Bldg., Davenport, Ia.
sen, N. C., Arch. Iron Co., Albany, N. Y.
sen, S. A. architect, Decatur, Ill.
ser, W. H., & Sons, contractors, Delphi, Ind.
smeier & Archer, machsts., Ft. Wayne, Ind.
smitzer, John, architect, 55 Bay 34th, Brooklyn, N. Y.
son, Harry M., architect, 331 Madison av, New York.
ss, N. J., meat packers, Sacramento, Cal.
s Shear Co., Fremont, Ohio.
se Mfg. Co., asphalt heaters, 535 15th, Detroit, Mich.
sen & Claussen, architects, Macleary Bldg., Portland, Ore.
rie, A. J., & Co., tallow, New Orleans, La.
ola Co., pianos, 520 W. 48th, New York.
son Chemical Co., Ridgway, Pa.
son, L. E., Co., sewer pipes, chimney tops, 80 Page, San Francisco, Cal.
son Mach. Co., Flagtown, N. J.
Contrg. & Bldg. Matl. Co., 369 E. 167th, New York.
County Mill & Elevator Co., Piggott, Ark.
County Oil Mill & Fertilizer Co., Lineville, Ala.
Cutlery Co., pocket knives, Andover, N. Y.
Engine Mfg. Co., 864 E. 72nd, Cleveland, Ohio.
Jno. H., machsts. & fndrs., 1320 Ridge av, Philadelphia, Pa.
Lumber Co., Middle Fork, W. Va.
Product Co., 175 W. Jackson blvd., Chicago, Ill.
Wm. W., architect, 226 S. La Salle, Chicago, Ill.
**WORKER, THE,** 211 Hudson, Indianapolis, Ind.
*See adv index at end of book*
rook-Neale Packing Co., Bowlers Wharf, Va.
raft Mining & Brick Co., Hartman Bldg., Columbus, O.
mont Brick Wks., common, New Cumberland, W. Va.
on, Edw., contractors, 1307 N. Harding, Chicago, Ill.
on Air Compressors Wks., 115 B'way, New York.
on Canning Co., Clayton, Del.
on, Geo. A., contractor, Atlanta, Ga.
on, J. M., & Co., canned goods, Hoopersville, Md.
on, John, Plow Co., Minneapolis, Minn.
on & Lambert Mfg. Co., mfrs. of small tools and automobile accessories, 1371 Beaubien, Detroit, Mich.
on Lbr. Co., masons' & bldrs.' matls., South River, N. J.
on Mfg. Co., cutlery, shears, etc., Bristol, Conn.
on-Marlborough Mfg. Co., vacuum cleaners, Rochester, N. Y.
on Oil Mill, fertilizer, Clayton, N. C.
on's, Frank B., Sons, racks (trunk, automobile), 1227 N. 11th, Philadelphia, Pa.
ille Fndry. & Mach. Co., Clayville, N. Y.
ille Paper Mills Co., Clayville, N. Y.
rorker, trade publication, Indianapolis, Ind.
C. Toy, Novelty & Furniture Co., 711 Ohio, Augusta, Kansas.
er Mfg. Co., polishes, 2842 Olive, St. Louis, Mo.
ola Co., metal polish, Fulton Bldg., Pittsburgh, Pa.
so Spec. Co., soap, Cambridge, Mass.
ield Brick Mfg. Co., Clearfield, Pa.
ield Bituminous Coal Corp., Clearfield, Pa.
ield Clay Working Co., brick, Clearfield, Pa.
ield Fire Brick Co., Clearfield, Pa.
ield Hardware Co., Clearfield, Pa.
ield Lbr. Co., Clearfield, Ky.
ield Mach. Shops, sand sifters, Clearfield, Pa.
ield Millwork & Lumber Co. (Ltd.), Clearfield, Pa.
ield Sewer Pipe Co., Clearfield, Pa.
r Bros., lumber, Bow, Wash.
r, J. E., tubular boilers, Spokane, Wash.
r, Peter, contractor, 115 Marton, Brooklyn, N. Y.

Cleary-White Construction Co., 105 W. Monroe, Chicago, Ill.
Cleaton, J. A., lbr. mfrs., Ruston, La.
Cleaver & Leather, mill & facty. supplies, Paterson, N. J.
Cleburne Fdry. Co., Cleburne, Tex.
Cleerman Land & Lumber Co., Green Bay, Wis.
Cleese, John P., Co., 18th & York, San Francisco, Cal.
Clegg, F. A., & Co., steam htg. contrs., Louisville, Ky.
Clegg, Jno. W., & Son, heating contrs., Ottawa, Ill.
Clegg Mfg. & Tool Co., jigs, fixtures, gages, metal stampings & spec. machy. mfgrs., Attleboro, Mass.
Clegg, R. H., brick, Durham, N. C.
Cleghorn Co., htg. contrs., 54 Batterymarch, Boston, Mass.
Cleland, G. A., contractor, Kankakee, Ill.
Cleland Mfg. Co., agricultural implements, 280 Washington av, N., Minneapolis, Minn.
Clem Bros., masons' & bldrs.' matls., Staunton, Va.
Clem, John M., & Son, flour mills, Malvern, Ark.
Clemence, Geo. H., architect, 405 Main, Worcester, Mass.
Clemens Elect'l Corp., 725 Main, Buffalo, N. Y.
Clemens, John, machsts., 1922 S. 7th, St. Louis, Mo.
Clement, A. D., meat packers, Danville, Va.
Clement Coverall Co., baking enamels, Camden, N. J.
Clement, F. H., & Co., contractors, Land Title Bldg., Phila., Pa.
Clement, J. L., & Sons, lumber, Gobleville, Mich.
Clement, L. D., toys, Weave, N. H.
Clement Mfg. Co., cutlery mfrs., Northampton, Mass.
Clement, W. D., machsts., Waltham, Mass.
Clements, A. J., & Son, masons' & bldrs.' matls., Massillon, O.
Clements, Chas., granite producers, Boston, Mass.
Clements, G. C., architect, Bishop, Cal.
Clements Lbr. Co., Ray City, Ga.
Clements Mfg. Co., hand vacuum cleaners, 609 Fulton, Chicago, Ill.
Clemetsen Co., desks, 2607 Flournoy, Chicago, Ill.
Clemm, Robert C., architect, 9 Clinton, Newark, N. J.
Clemons, C. B., Co., pianos, 1513 W. Madison, Chicago, Ill.
Clemons, Chas. H., lumber, Montesano, Wash.
Clemson Bros., saws, Middletown, N. Y.
Clemson College, engng. school & coll., Clemson College, S. C.
Clemson Knife Co., Woburn, Mass.
Clendenin Bros., copper products mfrs., Central av & Fawn, Baltimore, Md.
Cleophas, Chas., & Co., advtg. spec., Beloit, Wis.
Clepper, E. E., architect, Sharon, Pa.
Clepper, H. C., architect, Park Bldg., Pittsburgh, Pa.
Clerkin, Andrew J., cornices, New Haven, Conn.
Clermont Brick Co., Batavia, Ohio.
Clermont Sewer Pipe Co., Clermont, Pa.
Clermont Sewer Pipe Co., 50 Church, New York.
Clernand & Co., freight elevators, etc., 359 W. B'way, New York.
Cleveland-Akron Bag Co., Cleveland, Ohio.
Cleveland, Alden T., Mfg. Co., polishes & shoe blacking, 125 Broad, Boston, Mass.
Cleveland Alloys Co., babbit metal, Elm & Superior, Cleveland, O.
Cleveland Aluminum Casting Co., 905 Addison rd, 1386 E. 40th, Cleveland, Ohio.
Cleveland Armature Works, 4736 St. Clair av, Cleveland, O.
Cleveland Art Metal Co., bronze arch., bank & office railings, 3620 Superior, Cleveland, Ohio.
Cleveland Art Silk Co., Cleveland, Ohio.
Cleveland Auto Top & Trimming Co., 2084 E. 22d, Cleveland, O.
Cleveland Automatic Machine Co., 2269 E. 65th, Cleveland, O.
Cleveland Automobile Co., Arc & London, Cleveland, Ohio
Cleveland-Belmont Coal Co., Hickox bldg, Cleveland, Ohio.
Cleveland Belting & Machine Co., mchy. dealers, 1510 University rd, Cleveland, Ohio
Cleveland Billiard & Mfg. Co., 306 Prospect av, N. E., Cleveland, Ohio.
Cleveland Block Co., tackle, 1173 W. 11th, Cleveland, Ohio.
Cleveland Blow Pipe & Mfg. Co., 6950 Kinsman rd, Cleveland, O.
Cleveland Bolt & Mfg. Co., Cleveland, Ohio.
Cleveland Box Co., lumber, shooks, Cleveland, Ohio.
Cleveland Brass & Copper Mills, Inc., Euclid, Ohio.
Cleveland Brass Mfg. Co., plumbers' brass goods, 4606 Hamilton av, Cleveland, Ohio.
Cleveland Brass Works, machsts. & fndrs., 1525 E. 49th, Cleveland, Ohio.
Cleveland Breathing Machine Co., 1856 Euclid av, Cleveland, Ohio.
Cleveland Brewers' Supply Co., mchy, 1506 W. 25th, Cleveland, Ohio.
Cleveland Brick & Clay Co., B. of L. E. Bldg., Cleveland, Ohio.
Cleveland Brick Machy. Co., Wickliffe, Ohio.
Cleveland Builders' Supply Co., Leader-News Bldg., Cleveland, O.
Cleveland Burial Case Co., 2274 St. Clair av. N. E., Cleveland, O.
Cleveland Button Co., 211 High av, Cleveland, Ohio.
Cleveland Canning Co., Cleveland, Wis.
Cleveland Car Specialty Co., carlines, Lakeside, opp. E. 45th, Cleveland, Ohio.
Cleveland Castings Patterns Co., 1930 E. 61st, Cleveland, Ohio.
Cleveland Chain & Mfg. Co., hooks, shackle, chain, etc., Penn R. R. & Henry st, Cleveland, Ohio.
*See adv. index at end of book.*
Cleveland Chandelier & Mfg. Co., 1522 Brownell Court, Cleveland, Ohio.
Cleveland Chaplet & Mfg. Co., 1197 W. 67th, N. W., Cleveland, Ohio.

Cleveland City Forge & Iron Co., Cleveland, Ohio.
Cleveland Cliffs Iron Co., blast furnace, chemicals, coal & oils, Rockefeller bldg, Cleveland, Ohio.
Cleveland Coffin & Casket Co., Cleveland, Tenn.
Cleveland Column Co., 1826 Columbus rd, Cleveland, Ohio.
Cleveland Constr. Co., Citizens Bldg., Cleveland, Ohio.
Cleveland Co-Operative Stove Co., 2323 E. 67th, Cleveland, O.
Cleveland Crane & Engineering Co., Wickliffe, Ohio.
Cleveland Cream Separator Co., 6613 Hough, Cleveland, Ohio.
Cleveland Cutter & Reamer Co. (The), 1619 Merwin av, Cleveland, Ohio. *See adv index at end of book*
Cleveland Cyclone Fence Co., steel, 1230 E. 55th, Cleveland, O.
Cleveland Dental Supply Co., instruments, 3307 Scranton rd, Cleveland, Ohio.
Cleveland Die & Mfg Co., 748 E. 82d, Cleveland. Ohio.
Cleveland Dock Engineering Co., Citizens Bldg., Cleveland, Ohio.
Cleveland Dustout Co., compounds, sweepings, 2100 E 55th, Cleveland, Ohio.
Cleveland Elbow Mfg. Co., stove pipe & elbow mfrs., 1615 Merwin, N. W., Cleveland, Ohio.
Cleveland Electric Motor Co., 5313 Windsor, Cleveland, Ohio.
Cleveland Electro Metals Co., machsts. & fndrs., 2397 W. 38th, Cleveland, Ohio.
Cleveland Engineering Agcy. Co., employment agency, Rose Bldg., Cleveland, Ohio.
Cleveland & Erie Machy. Co., dlrs., 4209 Euclid, Cleveland, O.
Cleveland Fabric Belting Co., 1471 W. 110th, Cleveland, Ohio.
Cleveland Fare Box Co., 4900 Lexington av, Cleveland, Ohio.
Cleveland Faucet Co., pumps, etc., 1205 E. 55th, Cleveland, O.
Cleveland Feed Water Regulator Co., Tennyson rd, Cleveland, O.
Cleveland Flue Cleaner Mfg. Co., emery wheel dressers, 321 Frankfort av., N. W., Cleveland, Ohio.
Cleveland Flush Meter Co., valves flushing, 118 Noble ct, Cleveland, Ohio.
Cleveland Folding Machine Co., mchy., 5200 Euclid av, Cleveland, Ohio.
Cleveland Frog & Crossing Co., 6917 Bessemer av, Cleveland, O.
Cleveland Furnace Co., Clark av S. W. & Cuyahoga River, Cleveland, Ohio.
Cleveland Gas & Electric Supply Co., 940 Prospect av, S. E., Cleveland, Ohio.
Cleveland Gas Meter Co., 2180 E. 65th, Cleveland, O.
Cleveland Gear Works, Cleveland, Ohio.
Cleveland Hardware Co., hardware mfrs., Lakeside av & E. 45th, Cleveland, Ohio.
Cleveland Hardwood Floor Co., Cleveland, Ohio.
Cleveland Heater Co., 1905 W. 112th, Cleveland Ohio.
Cleveland Iron Ore Paint Co., Cleveland, Ohio.
Cleveland, J. W., Hardware Co., 81 B'way, Paterson, N. J.
Cleveland Knife & Forge Co., 1960 W. 114th, Cleveland, Ohio.
Cleveland Lathe & Machy. Co., Whitney Power Bldg., Cleveland, Ohio.
Cleveland Laundry Machinery Mfg. Co., 5184 Fowler av S. E., Cleveland, Ohio.
Cleveland Lawn Weeder Co., 1426 W. 3rd, Cleveland, Ohio.
Cleveland Leather Goods Co., traveling bags, 28 Noble ct, Cleveland, Ohio.
Cleveland Lumber Co., sash, door & blind, 8617 Buckeye rd, Cleveland, Ohio.
Cleveland Lbr. Co., Jasper, Ala.
Cleveland Lumber & Mfg. Co., Cleveland, Tenn.
Cleveland Machine & Mfg. Co., machsts. & fndrs., presses, etc., 4944 Hamilton av, Cleveland, Ohio.
Cleveland Machine Tool Co., Cleveland, Ohio.
Cleveland Machy. & Supply Co., drilling mach., etc., Union Bldg., Cleveland, Ohio.
Cleveland Machinery & Supply Co., Cleveland, Tenn.
Cleveland Magneto Watchman's Clock Co., 150 Nassau, N. Y.
Cleveland Mantel & Tile Co., laundry tubs, slate, 1426 E. 30th, Cleveland, Ohio.
Cleveland Mfg. & Supply Co., boiler compounds, Wade Bldg., Cleveland, Ohio.
Cleveland Material Co., masons' & bldrs.' mtls., Cleveland, Ohio.
Cleveland Metal Pattern Co., patterns & models, 728 Frankfort av, Cleveland, Ohio.
Cleveland Metal Products Co., cooking utensils, oil heaters, etc., 7609 Platt av, and C. & P. tracks, Cleveland, Ohio.
Cleveland Metal Roofing & Ceiling Co., cornices & skylights, 3105 Detroit av, Cleveland, Ohio.
Cleveland Metal Stamping Co., Cleveland, Ohio.
Cleveland Metal Treating & Welding Co., case hardening, 4829 Lexington av N. E., Cleveland, Ohio.
Cleveland Mill & Power Co., clothes lines, Lawndale, N. C.
Cleveland Mill Supply Co., power transmitting appliances, Guardian Bldg., Cleveland, Ohio.
Cleveland Milling Co., flour, Cleveland, Tenn.
Cleveland Milling Machine Co. See Shield Cutter Co. (successor).
Cleveland, Mortimer B., architect, Waterloo, Ia.
Cleveland Motor Cycle Mfg. Co., 7209 Platt av, Cleveland, Ohio.
Cleveland National Machine Co., 1366 W. 70th, Cleveland, O.
Cleveland Natural Gas Supply Co., fireless cookers, 222 High, Cleveland, Ohio.
Cleveland Nickel Wks., tumbling & cinder mills, etc., 1167 W. 67th, Cleveland, Ohio.
Cleveland-Oconee Lumber Co., Atlanta, Ga.
**CLEVELAND OSBORN MFG CO.**, fndry. supplies, brushes, etc., 5405 E. Hamilton av., Cleveland, Ohio.
*See adv. index at end of book.*

Cleveland Planer Works, 3150 Superior, Cleveland, Ohio.
Cleveland Plating Co., electroplating, 3610 Superior, Cleveland, Ohio.
Cleveland Plumbing Supply Co., 1017 Walnut, Cleveland, Ohio.
Cleveland Pneumatic-Tool Co., 3734 E. 78th, Cleveland, Ohio.
Cleveland Power Transmission Co. See Rudolph Tool & M Co. (successor).
Cleveland Pressed Steel Co., stamping works, Harvard Cleveland, Ohio.
Cleveland Provision Co., 2527 Canal rd, Cleveland, Ohio.
Cleveland Punch & Shear Works Co., 3921 St. Clair av N. Cleveland, Ohio.
Cleveland Puncture Proof Tire Co., Columbus, Ohio.
Cleveland Railbond Co., 3727 E. 78th, Cleveland, Ohio.
Cleveland Ry. Supply Co., clamps, creepers, fasteners, gua rails, switches, etc., Swetland Bldg., Cleveland, Ohio.
Cleveland Rock Drill Co., drills, 3734 E. 78th, Cleveland, Oh
Cleveland Rubber Mold Fdry. & Mach. Co., Warner rd, Cle land, Ohio.
Cleveland Rule Co., 2190 W. 59th, Cleveland, Ohio.
Cleveland Salt Co., 5912 Central av, Cleveland, Ohio.
Cleveland Seating Co., school furniture, 554 Rose Bldg., Cle land, Ohio.
Cleveland Shaft Spring Co., shaft, coupling bolts, Cleveland,
Cleveland Society for the Blind, corn brooms, 2275 E. 5 Cleveland, Ohio.
Cleveland & Sons Co., contractors, Brockport, N. Y.
Cleveland Specialty & Mfg. Co., machsts., Cleveland, Ohio.
Cleveland Speed Indicator Co., W. 112th & Locust av N. Cleveland, Ohio.
Cleveland Stamping & Tool Co., kitchen enamelled ware, E. 53rd & Hamilton, Cleveland, Ohio.
Cleveland Steam Gauge Co., portable forges, forge blow 1108 W. 9th, Cleveland, Ohio.
Cleveland Steel Barrel Co., steel shipping barrels, 9612 M av, Cleveland, Ohio.
Cleveland Steel Casting Co., Cleveland, Ohio.
Cleveland Steel Co., steel bridge plate, Rockefeller Bldg., Cl land, Ohio.
Cleveland Steel Range Co., machsts. & fndrs., 2900 Detroit Cleveland, Ohio.
Cleveland Steel Stamp Works, Commercial Bldg., Clevelan
Cleveland Steel Tool Co., punches, etc., 660 E. 82nd, Clevelan
Cleveland Stone Co., grindstone mfrs., 1836 Euclid av, Cl land, O.
Cleveland Stone Co., producers, 316 4th av, Pittsburgh, Pa
Cleveland Store Fixture Co., refrigerators, 1305 E. 40th, C land, Ohio.
Cleveland Switchboard Co., 2925 E. 79th, Cleveland, Ohio.
Cleveland Tack Works, nails, 1205 E. 55th, Cleveland, Ohio
Cleveland Tanning Co., bindings & gimps, Denison av & B. R. R., Cleveland, Ohio.
Cleveland Tensilite Co., fndry. flux, 1302 Ontario av, C land, Ohio.
Cleveland Tool & Supply Co., machsts. tools & supplies, W. 6th, Cleveland, Ohio.
Cleveland Tractor Co., Euclid & Lamb av, Cleveland, Ohio.
Cleveland Trinidad Paving Co., 420 Lakeside av N. E., C land, Ohio.
Cleveland Trunk Co., 1317 Euclid av, Cleveland, Ohio.
Cleveland Twist Drill Co., 1 E. 49th, Cleveland, Ohio.
Cleveland Varnish Co., 3111 E. 87th, Cleveland, Ohio.
Cleveland, W. L. Co., machinery, 211 N. Los Angeles, Angeles, Cal.
Cleveland Waterproof Paper Co., Cleveland, Ohio.
Cleveland Welding & Mfg. Co., machsts. & fndrs., W. 117 Berea rd, Cleveland, Ohio.
Cleveland Window Glass & Door Co., shades & reflectors Champlain av N. W., Cleveland, Ohio.
Cleveland Wire Cloth & Mfg. Co. (The), 3574 E. 78th, land, Ohio. *See adv. index at end of book.*
Cleveland Wire Spring Co., 1281 E. 38th, Cleveland, Ohio.
Cleveland Woolen Mills Co., Dresden, Ohio.
Cleveland Worm & Gear Co., 1667 E. 40th, Cleveland, Ohio
Cleveland Wrought Products Co., cap & set screws & W. 58th & W. & L. E. Belt Line, Cleveland, Ohio.
Clevenger, C. R., & Co., architects, Columbus, Ind.
Clever Constr. Co., Charlotte, Mich.
Clever & Gulick, machinists, Fullerton, Cal.
Cleverdon, R. L., architect, 101 Park Row, New York
Cleverly Electrical Works, boxes, clamps, rods, push bu etc., 17 N. 7th, Philadelphia, Pa.
Clevidence, A. E., masons' & bldrs.' matls., Mount Morris,
Click, Jos., contractor, 1203 Voskamp, Pittsburgh, Pa.
Cliff & Guibert Co., fire hose reels, 460 W. B'way, New Y
Cliff Paper Co., Niagara Falls, N. Y.
Clifford, A. D., Co., Contrs., New Britain, Conn.
Clifford Bros., charcoal, Ft. Wayne, Ind.
Clifford, Geo. B., contractor, Martins Ferry, Ohio.
Clifford Hardware Co., Evansville, Ind.
Clifford, Jas. J., & Co., machsts., Green Island, N. Y.
Clifford, L. L., & Co., elec. cooking app., Marion, Ind.
Clifford, P. T., & Son, contractors, Valparaiso, Ind.
Clifford, S., & Co., contractors, 10 S. La Salle, Chicago, Il
Clifford, Wm., Co., contrs., 734 Vernon av, Long Isl. City,
Clifford, Wm., & Sons Co., contractors, Elizabeth, N. J.

ord's, Jas., Sons, stone prod., Lenox, Mass.
s Chemical Co., Charcoal, Goodman, Wis.
wood Brick Co., Cliffwood, N. J.
on-Applegate & Toole, contrs., Anaconda, Mont.
on Bros., contractors, Zanesville, Ohio.
on Chemical Co., 317 Greenwich, New York.
on Forge Machine & Foundry Co., Clifton Forge, Va.
on Forge Milling & Feed Co., Inc., flour mills, Clifton Forge, Va.
on Mfg. Co., cotton sheetings, Clifton, S. C.
on Mfg. Co., rubber clothing, 65 Brookside av, J. P., Boston, Mass.
on Mfg. Co., tents, Waco, Tex.
on Motor Wks., gas engines, 229 E. Clifton av, Cincinnati, O
on Paper Mills, Clifton, N. J.
on Pratt Co., vacuum cleaners, 1224 W. 8th, Cincinnati, O.
on Specialty Co., Inc., dish washing machy., 84 W. Mohawk, Buffalo, N. Y.
on Springs Dist. Co., Ludlow av & B. & O. S. W. Cum., Cincinnati, Ohio.
on Textile Co., umbrella cloth, Union Hill, N. J.
ıalene Chemical Co., washing powder, Canton, Ohio.
ıax Bearing Co., Vinton Bldg., Detroit, Mich.
ıax Cleaner Mfg. Co., 2080 W. 110th, Cleveland, Ohio.
ıax Co., machsts., 275 Passaic, Newark, N. J.
ıax Engng. Co., gas engines & kerosene tractors, Clinton, Ia.
ıax Fire Brick Co., Climax, Clarion Co., Pa.
ıax Lime & Stone Co., Wick, Pa.
ıax Lock & Ventilator Co., hdwe. mfrs., 656 Mich. av, Buffalo, N. Y.
ıax Lumber Co., Bunkie, La., & Underwood, Wash.
ıax Machine & Burner Co., gas burners, 133 3rd av, Newark, N. J.
ıax Machy. Co., canning & condensed milk machy., Indianapolis, Ind.
ıax Mfg. Co., machsts. & fndrs., Corry, Pa.
ıax Mfg. Co., machsts. & fndrs., East Hampton, Conn.
ıax Motor Devices, 5209 Prospect av, Cleveland, Ohio.
ıax Porcelain Co., door knobs, hdwe. specialties, Trenton, N. J.
ıax Refining Co., compounds, oils, greases, etc., Williamson Bldg., Cleveland, Ohio.
ıax Sanitary Co., water closets, 1167 E. Jefferson, Detroit, Mich.
ıax Smoke Preventer Co., smokeless furnaces, 261 Franklin, Boston, Mass.
ıax Tube Co., 89 State, Boston, Mass.
ıax Western Oil Co., 2824 10th av, Minneapolis, Minn.
ch, C. G., & Co., lubricating oils & greases, 144 Davis, San Francisco, Cal.
ch Clip Co., 196 Seneca, Buffalo, N. Y.
cher River Coal Co., St. Paul, Va.
chfield Portland Cement Corp., Kingsport, Tenn.
chfield Products Corpn., feldspar, 120 Broadway, New York.
e, A. J., elec. hoists, 343 S. Dearborn, Chicago, Ill.
e, Edw. W., machinist, Marietta, Ohio.
e Electric Mfg. Co., controllers, electric motors & printing machy., Fisher Bldg., Chicago, Ill.
e, Hyman E., contractor, 43 Tremont, Boston, Mass.
e, L., Mfg. Co., towel bars, cans, holders, etc., 1239 S. Wabash av, Chicago, Ill.
e, Samuel S., flour mills, Bunkerhill, W. Va.
e, Tribolet Lbr. Co., Bluffton, Ind.
edinst, Jno. W., carriages, New Market, Va.
g-Surface Co., saw vises, belt dressing, etc., Buffalo, N. Y.
ger's, D., Sons, lumber, Milton, Pa.
kofstine, L. S., & Co., scrap iron, Saginaw, Mich.
ton Alfalfa Milling Co., meal, Clinton, Ohio.
ton Bridge Works, Clinton, Ia.
ton Canning Co., Rome, N. Y.
ton Coal Co., Clinton, Ind.
ton Concrete Co., Clinton, Mass.
ton Construction Co., 140 Townsend, San Francisco, Cal.
ton Contracting Co., West Hoboken, N. J.
ton Dry Docks, Inc., ft Clinton, Brooklyn, N. Y.
ton, E., & Co., brushes (fdr., mach. & facty., paint, varnish, etc.), 2119 Arch, Philadelphia, Pa.
ton Foundry Co., Clinton, Mass.
ton Furniture Co., Clinton, Ia.
ton Glass Co., 1000 W. 21st, Chicago, Ill.
ton Hardware Co., Clinton, Tenn.
ton Iron & Steel Co., blast furnaces, W. Carson, Pittsburgh, Pa.
ton Knitting Co., sweaters, cardigans, etc., Clinton, N. Y.
ıton Lock Co., machsts. & fndrs., Clinton, Ia.
ton Lbr. Co., Clinton, N. C.
ıton Mfg. Co., creamery machy., Clinton, Wis.
ıton Mfg. Co., packings, 83 Grand av, Brooklyn, N. Y.
ıton Mfg. Co., sashes, doors & blinds, Sabina, Ohio.
ıton Metallic Paint Co., Clinton, N. Y.
ıton Oil Mills, meal & fertz. mfrs., Clinton, S. C.
ıton Paper Co., Clinton, Ia.
ıton Paving Brick Co., Clinton, Ind.
ıton Point Stone Co., 17 Battery pl, New York.
ıton & Russell, architects, 32 Nassau, New York.
ıton Saddlery Co., Clinton, Ia.

Clinton Sugar Refining Co., Clinton, Ia.
Clinton Supply Co., platers' supps., 117 S. Clinton, Chicago, Ill.
Clinton, Walter R., engines, West Haven, Conn.
Clinton Wire Cloth Co., see Wickwire Spencer Steel Corp. (successors).
Clinton-Wright Wire Co. (Morgan Spring Div.), see Wickwire Spencer Steel Corp. (successors).
Clintonville Baler Co., paper bailing presses, Clintonville, Wis.
Clio Lbr. Co., Clio, Cal.
Clio Oil & Fertz. Co., Clio, S. C.
Clip Bar Mfg. Co., concrete curb (steel bound), 26th & Penna., Philadelphia, Pa.
Clipless Paper Fastener Co., Newton, Ia.
Clipper Belt Lacer Co., belt laces, 974-1042 Front av, N. W., Grand Rapids, Mich.
Clipper Fountain Supply Co., ice cream dishers, & ice shavers, Troy, N. Y.
Clipper Lawn Mower Co., Dixon, Ill.
Clipper Shingle Co., lumber, Clipper, Wash.
Clipper Tool Co., saw vises, 284 Mills, Buffalo, N. Y.
Clippert, Geo. H., & Bro., Brick Co., 161 Virginia Park, Detroit, Mich.
Clippert Spaulding & Co., common brick, Lansing, Mich.
Clippinger, A. B., & Son, Mfg. Co., agricultural implts., hay racks, sweep rakes, wood tanks, Kansas City, Kans.
Clizbe Bros. Mfg. Co., machsts. & fdrs., Plymouth, Ind.
Cloak & Suit Button Co., 60 W. 27th, New York.
Clochessy, John, paper bags, 21 W. 4th, New York.
Clonin & Messenger, masons' & bldrs.' matls., ft. Camelia, Long Island City, N. Y.
Clooney Const. & Towing Co., ship bldrs., Westlake, La.
Clopp, Geo. B., bridge railings, 3717 Filbert, Philadelphia, Pa.
Clopton, B. M., sashes, doors & blinds, Corsicana, Tex.
Cloquet Lbr. Co., Cloquet, Minn.
Cloquet Tie & Post Co., Cloquet, Minn.
Clore, Jos. O., & Son, lumber, Henderson, Ky.
Clore, Wm. H., Mfg. Co., agricultural implts., Washington, Ind.
Clos Construction Co., 721 Cramer, Milwaukee, Wis.
Close, Wm. A., Trading & Mfg. Co., brick, Matawan, N. J.
Closet Seat Bumper Co., rubber bumpers, Cincinnati, O.
Closser Bros., contractors, 777 Fort W., Detroit, Mich.
Clossman Hardware Co., Zanesville, O.
Closterman, H., chairs, 25 Atla. Bk. Bldg., Cincinnati, Ohio.
Closz, Chas., Co., threshing screens, Webster City, Ia.
Clot, E., Machine Wks., 940 Bryant, San Francisco, Cal.
Clothel Co., ice & refrigerating machines, 61 B'way, New York.
Clothier & Furnisher, trade publication, 13 Astor pl, New York.
Cloud, Newton H., architect, 2627 W. 8th Wilmington, Del.
Clough-Angell Mach. Co., machinists, 370 Atlantic av, Boston, Mass.
Clough & Co., mill supplies, Oshkosh, Wis.
Clough Concrete Const. Co., Quincy, Ill.
Clough, D. H., & Co., contractors, Duluth, Minn.
Clough-Hartley Co., lumber, Everett, Wash.
Clough, John H., clothes line pulleys, Corry, Pa.
Clough & Molloy, stone producers, Hartford rd & B. & O., Baltimore, Md.
Clough, R. M., chucks, cutters, drilling machs., etc., Tolland, Conn.
Clough, Theo., gasoline burners, Dobbs Ferry, N. Y.
Clough & Warren Co., pianos, 84 B'way, Adrian, Mich.
Clough & Witt Machine Co., 1740 Columbus rd, Cleveland, Ohio.
Clover, Chas. S., fndrs., Muskegon, Mich.
Clover Creek Lbr. Co., Tacoma, Wash.
Clover Leaf Machine Co., hoisting machy., South Bend, Ind.
Clover Leaf Mfg. Co., tex. machy. (bobbins), Carbondale, Pa.
Clover Mfg. Co., grinding compound, Norwalk, Conn.
Cloverport Boat & Mfg. Co., machsts., Cloverport, Ky.
Clow, Fred, contr., Highland Pk., Ill.
Clow, Jas. B., & Sons, mill & facty. & plumbers' supplies—jobbers, Franklin & Harrison, Chicago, Ill.
Cloyd Bros. Co., sash, door & blind mfrs., Bristol, Tenn.
Club, Andrew Jr., architect, Grebel bldg, Detroit, Mich.
Cluce, Robt. J., contractor, 3d av. & 148th, New York.
Cluley Multiplier Co., adding machines, Green Bay, Wis.
Clum Mfg. Co., auto. switches, 23 Exit, Milwaukee, Wis.
Clum, Wm. E., architect, 120 Broad, Elizabeth, N. J.
Clune, M., & Co., mattresses, 1407 S. Meridian, Indianapolis, Ind.
Cluster Alliance Gas Lamp Co., 444 Broome, New York.
Clute Bros., cotton batting, Cohoes, N. Y.
Clute Coal & Supply Co., masons' & bldrs.' matls., Bay City, Mich.
Clute, H. C., machsts., 380 Wayne, Jersey City, N. J.
Cluthe, G., Co., machsts., 28 E. Court, Cincinnati, Ohio.
Clyde Brick & Tile Works, Clyde, Ohio.
Clyde Cars Co., Clyde, O.
Clyde Casting Co., machsts. & fndrs., Seattle, Wash.
Clyde Coal Co., bituminous, Bessemer bldg, Pittsburgh, Pa.
Clyde Cutlery Co., Clyde, Ohio.
Clyde Equipment Co., mill & facty. supplies, Seattle, Wash.
Clyde Glass Mfg. Co., Inc., jars, Clyde, N. Y.
Clyde Glass Wks., bottles, Clyde, N. Y.
Clyde Iron Works Sales Co., hoisting engines & logging machy., Duluth, Minn. *See adv index at end of book.*

Clyde Kraut Co., canned, Clyde, Ohio.
Clyde Milling & Elevator Co., Clyde, Kan.
Clyde River Pulp Co., Newport, Vt.
Clydesdale Brick & Stone Co., Oliver Bldg., Pittsburgh, Pa.
Clydesdale Stone Co., crushed, Oliver Bldg., Pittsburgh, Pa.
Clymer Brick & Fire Clay Co., Clymer, Pa.
Clymer, Harry G., architects, Wainwright Bldg., St. Louis, Mo.
Clymer, L. M., mill & facty. supplies, Greensboro, N. C.
C. M. B. Wrench Co., bench legs, Garfield, N. J.
C. & M. Envelope Co., 535 Pearl, New York.
Coady, Edward, architect, Scott Thompson Bldg., Oklahoma City, Okla.
Coal Age, trade publication, 10th av & 36th, New York.
Coal & Coke Operator, trade publication, 108 Smithfield, Pittsburgh, Pa.
Coal Creek Lbr. Co., Chehalis, Wash.
Coal Run Mining Co., bituminous, Indiana, Pa.
Coal Stoker Corp., 1029 N. Clark, Chicago, Ill.
Coal Tar Product Co., 570 Smith, Brooklyn, N. Y.
Coal Trade Bulletin, pubs., Park Bldg., Pittsburgh, Pa.
Coal Trade Journal, 20 Vesey, New York.
Coale Muffler & Safety Valve Co., valve mfrs., 325 E. Oliver, Baltimore, Md.
Coale, Thos. E., Lumber Co., lumber (wholesale), Bellevue Court Bldg., Philadelphia, Pa.
Coan, M. A., contractor, 185 Church, New Haven, Conn.
Coast Art Marble Co., 68 Clara, San Francisco, Cal.
Coast Bridge Co., contrs., ft. of E. Main, Portland, Ore.
Coast Engine & Mach. Wks., auto bodies, hoists & trailers, E. Water & Taylor, Portland, Ore. *See adv. index at end of book*
Coast Fish Co., canned, Anacortes, Wash.
Coast Fishing Co., canners, Los Angeles, Cal.
Coast Folding Paper Box Facty., Inc., 560 Mission, San Francisco, Cal.
Coast Fdry. Co., South, San Francisco, Cal.
Coast Iron & Machine Wks., machsts. & fndrs., Tacoma, Wash.
Coast Knitting Co., sweaters, Woodbine, N. J.
Coast Metal Wks., tin cans, 1255 Harrison, San Francisco, Cal.
**COAST CULVERT & FLUME CO.**, Portland, Kenton Sta., Ore.
Coast Range Lbr. Co., Mabel, Ore.
Coast Ship Bldg. Co., Portland, Ore.
Coast Supply Co., machy. dlrs, mill & steam fitters supplies, 24 California, San Francisco, Cal.
Coastwise Ship Bldg. Co., ship builders, ft. of Andre, Baltimore, Md.
Coates, Bennett & Reidenbach, metals, Hague, Rochester, N. Y.
Coates Clipper Mfg. Co., drilling & sheep shearing machy., etc., Worcester, Mass.
Coates, F. C., flour mills, Horners, Va.
Coates Plumbing Supply Co., Tampa, Fla.
Coates & Traver, architects, Rowell Bldg., Fresno, Cal.
Coatesville Boiler Works, Coatesville, Pa.
Coatesville Fdry. & Mach. Co., Coatesville, Pa.
Coats, A. S., Shingle Co., Raymond, Wash.
Coats & Burchard Co., appraisers, engineers, inventories, 25 W. Elm, Chicago, Ill.
Coats-Fordney Logging Co., lumber, Aberdeen, Wash.
Coats, Fred R., watchmakers' tools, Springfield, Ill.
Coats, J. & P., cotton thread, Pawtucket, R. I.
Coats, J. R., machinist, Visalia, Cal.
Coats Mach. Tool Co., micrometer gauges, 110 W. 40th, New York.
Coats Shingle Co., lumber, Hoquiam, Wash.
Cobb, Albert W., architect, 168 Bridge, Springfield, Mass.
Cobb Brick Co., Ft. Worth, Tex.
Cobb & Drew, rivet, staple & tack mfrs., Plymouth, Mass.
Cobb Electric Appliance Co., "Ceaso" automatic electric control & devices embodying its use; mfrs., Boston, 30, Mass. *See adv index at end of book*
Cobb, Francis, Shipbuilding Co., Rockland, Me.
Cobb, Henry Ives, architect, 1465 B'way, New York.
Cobb & Jenkins, patterns, 380 Atlantic av, Boston, Mass.
Cobb, John P., masons' & bldrs.' matls., Fredonia, N. Y.
Cobb, M. E., architect, 166 Montague, Brooklyn, N. Y.
Cobb Preserving Co., Fairport, N. Y.
Cobb & Webster, contractors, Portland, Me.
Cobb, Wm., fndrs., Jackson, Mich.
Cobbleick-Kibbe Glass Co., Oakland, Cal.
Cobbs & Mitchell, lumber, Cadillac, Mich.
Coblentz Tool & Supply Co., Erie, Pa.
Coburn, C. B., Co., mill & facty. supplies, Lowell, Mass.
Coburn, Chas., contr., 180 John, San Francisco, Cal.
Coburn, Douglas F., architect, Sumpter Bldg., Dallas, Tex.
Coburn, Frank G., contractor, 294 Washington, Boston, Mass.
Coburn, Ira W., contractor, 180 Jessie, San Francisco, Cal.
Coburn Organ Co., 220 N. Washtenaw av, Chicago, Ill.
**COBURN TROLLEY TRACK MFG. CO.**, sliding door hardware, metal covered doors, rolling ladders & overhead monorail mfrs., P. O. Box 127, Holyoke, Mass.
Coburn, Walter, Co., cotton waste, Lowell, Mass.
Cochise Machine Co., Los Angeles, Cal.
Cochran, A., & Co., sashes, doors & blinds, Quaker City, Ohio.
Cochran Cotton Mill Co., Cochran, Ga.
Cochran, Drugan & Co., potteries, Trenton, N. J.
Cochran Oil Mill & Ginnery, Cochran, Ga.
Cochran & Phillips, turpentine, McIntyre, Fla.
Cochran Pipe Wrench Mfg. Co., 7800 Woodlawn av, Chicago, Ill.
Cochran-Sargent Co., plumbers' supplies, 182, E. 6th, St. Paul, Minn.
Cochran, T. H., & Son, contractors, 415 S. Hayes, Portland, Ore.
Cochrane-Bly Co., cutting-off machines, Rochester, N. Y.
Cochrane Brass Fdry., York, Pa.
Cochrane Chemical Co., 148 State, Boston, Mass.
Cochrane Chemical Co., insulating materials, 221 Randolph av, Jersey City, N. J.
Cochrane, Geo. A., Co., contractors, 1210 Washington av, Pittsburgh, Pa.
Cochrane, J. A., Brass Mfg. Co., hardware, 1403 E. 40th, Cleveland, O.
Cochrane Packing Co., meat packers, Kansas City, Kan.
Cochrane, T. H., Co., masons' & bldrs.' matls., Westfield, Wis.
Cocker, J. C., architect, 2017 5th av, New York.
Cocker Mach. & Fdry. Co., beamers, sizing & dyeing machy, Gastonia, N. C.
Cocker Saw Mfg. Co., Lockport, N. Y.
Cocker, Weber Brush Co., tex. machy. supplies (brushes mill, 10th & Spring Garden, Philadelphia, Pa.
Coco Bros., bk. & office railings, 13 Baxter, New York.
Cocking Cement Co., contrs., Jacksonville, Ill.
Cocozza, Louis H., contr., 1188 Main, Bridgeport, Conn.
Codd, E. J., Co., sheet metal work, 700 S. Caroline, Balto., M
Codd, Eliza, architect, Nantucket, Mass.
Codd Tank & Specialty Co., mill & facty. supplies, 117 S. Hanover, Baltimore, Md.
Codding & Heilborn Co., silver novelties, North Attleboro, Mas
Coddington Engineering Co., 33d & Villard av, North Wilwaukee, Wis.
Codman & Desyradelle, architects, 27 Kilby, Boston, Mass.
Codman, F. L. & J. C., Co., buffing wheels, 15 Elkins S., Bosto Mass.
Codman & Shurtleff, surgical instruments, air pumps, 120 Boyl ton, Boston, Mass.
Codmus Bros., brass & composition fndrs., Bloomfield, N. J.
Codori, John A., contractor, 1235 Arch, Philadelphia, Pa.
Codorus Mfg. Co., wood handles, Codorus, Pa.
C. O. D. Tractor Co., 309 Washington av, N. Minneapol Minn.
Coduri & Joseph Granite Co., granite, Westerly, R. I.
Cody, C. L., cornices, Ridgway, Pa.
Cody, C. Paxton, architect, Marine Bk. Bldg., Erie, Pa.
Cody, Jos., & Sons, tubular boilers; expansion tanks, Peoria,
Codyer & Cavanaugh, cornices, Waltham, Mass.
Coe Brass Branch, bolt, nut & rivet mfrs., Torrington, Conn.
Coe & Brown, mill & facty. supplies, New Haven, Conn.
Coe, C. T., Co., turbo blowers, 31 Clinton, Newark, N. J.
Coe, E. F., landscape architect, 103 Alden av, New Haven, Co
Coe, Jas. A., & Co., mill & facty. supplies, 106 Mulberry, N ark, N. J.
Coe Mfg. Co., key rings, straw dispensers, etc., 35 Warren, N York.
Coe Mfg. Co., machsts. & fndrs., Painesville, Ohio.
Coe-Mortimer Co., fertilizer mfrs., 51 Chambers, New York.
Coe-Stapley Mfg. Co., machsts., West Haven, Conn.
Coe, W. H., Mfg. Co., gold leaf, gilding wheels, 74 Weybos Providence, R. I.
Coefax Iron Wks., Coefax, Wash.
Coefield Mfg. Co., electric & gas light fixtures, 51 Shipley, Francisco, Cal.
Coen Co., oil burners & heaters, 112 Market, San Franci Cal.
Coen & Conway, contractors, Davenport, Ia.
Coes, Loring & Co. (Inc.), mfrs, machine knives of all cla & special forged material for making cutting edges, C sq. Worcester, Mass. *See adv index at end of book.*
Coes Wrench Co., makers of adjustable screw wrenches, C sq., Worcester, Mass. *See adv index at end of book*
Coeur D'Alene Grain & Milling Co., Coeur D'Alene, Idaho.
Coeur D'Alene Hardware & Foundry Co., Wallace, Idaho.
Coe-Vogt Belting & Supply Co. 317 Magazine, New Orleans,
Coey Motor Co., 2010 S. Wabash av, Chicago, Ill.
Coffey, Alfred I., architect, Humboldt Bldg., San Franci Cal.
Coffey, C. D., lbr., N. Wilkesboro, N. C.
Coffey, D. L., contractor, Chattanooga, Tenn.
Coffey, Laurence J., mason bldr., New Haven, Conn.
Coffeyville Shale Products Co., Coffeyville, Kansas.
Coffeyville Vitrified Brick & Tile Co., Coffeyville, Kansas.
Coffield Motor Washer Co., clothes washing machines, Dayton
Coffin, Arthur S., architect, 39 W. Adam, Chicago, Ill.
Coffin Box & Lumber Co., Nicollet Island, Minneapolis, Min
Coffin, Isaac, Co., high pressure piping, 52 Sudbury, Bos Mass.
Coffin, Lewis A. Jr., architect, 15 E. 40th, New York.
Coffin, M. C., landscape architect, 73 E. 92d, New York.
Coffin Packing & Prov. Co., Denver, Colo.
Coffin, Stanley H., cloth mops 12 Pearl, Boston, Mass.
Coffin Valve Co., valves, sluice gates & adjustable elec. tures, Neponset, Boston, Mass.
Coffin & Coffin, architects, 25 W. 42nd, New York.
Coffman, J. H., Lbr. Co., Bon Wier, Texas.
Coffman, Jas. M. & Son, contrs., Anna, Ill.
Coffran Mfg. Co., masons' & bldrs.' matls., Washington C Ohio.
Cogan, F. L. Co., contrs., 233 B'way, New York.

gleshall Co., boiler tube cleaners, 123 Liberty, New York.
gin, C. W., lbr., Rockingham, N. C.
gins Marble Co., Canton, Ga.
gins & Owens, machy. dlrs. & mill & factory supplies, 19 S. Charles, Baltimore, Md.
lan, F. J., architect, 709 Union bldg, Cleveland, Ohio.
lan, Jos. T., hair (curled), Drexel Bldg., Philadelphia, Pa.
lan, W. J., mattresses, Kankakee, Ill.
lin Machinery & Supply Co., Toledo, Ohio.
well, Chas. N., architect, Old South Bldg., Boston, Mass.
well-Koether Co., contractors, 406 Park av, Baltimore, Md.
well Polytechnic College, engng. schools & coll., 20th & Folsom, San Francisco, Cal.
ankus Mfg. Co., cordage & twine, Paducah, Ky.
asset Canning Co., Cohasset, Va.
ee, A. F., Co., Frankfort, Ind.
en Bros. Iron & Metal Co., Des Moines, Ia.
en, Chas. J., envelopes, 510 Ludlow, Philadelphia, Pa.
en, D., scrap rubber, iron, Danville, Ill.
en, E. M., & Sons Iron & Metal Co., Des Moines, Ia.
en, Frank L., contractor, Pearl & Church, Buffalo, N. Y.
en, Hy., cornices, 1340 Fulton, Brooklyn, N. Y.
en, Isaac H., scrap iron & steel, 111 Pratt, Buffalo, N. Y.
en, J., & Son, scrap iron & steel, Peoria, Ill.
en, Jos. M., scrap iron, Sandusky, Ohio.
en, Louis, mattresses, 232 E. 125th, New York.
en, M., & Son Co., scrap iron & steel, 1252 E. 55th, Cleveland, Ohio.
en, Michael, & Co., stone, 8 W. 40th, New York.
en, Samuel, architect, 32 Union sq, New York.
en-Schwartz Rail & Steel Co., iron & steel scrap, St. Louis, Mo.
n, Simon, architect, 2205 5th av, New York, & 163 Springfield av, Newark, N. J.
graff, Henry J., contr'tor, 133 W. Washington, Chicago, Ill.
, Adolph, lamp cord adjusters, West Hoboken, N. J.
& Bock Co., box shooks, insulator pins, wood cross arms, etc., Princess Anne, Md.
Bros., architects, 363 Stone av., Brooklyn, N. Y.
Cut Stone Co., 38th & 14th av., Brooklyn, N. Y.
& Goldberg, masons' & bldrs.' matls., Nashville, Tenn.
, Max, architect, 189 Grand, Brooklyn, N. Y.
, Wm., plumbers' supplies, jobbers, Stamford, Conn.
cksink Brass Foundry, castings (brass & bronze), 5th & Berks, Philadelphia, Pa.
cton Canning Co., Cohocton, N. Y.
es Iron Fdry. & Mach. Co., dumb waiters, freight elevators, etc., Cohoes, N. Y. *See adv. index at end of book.*
es Rolling Mill Co., pipe & tube mill, Cohoes, N. Y.
on, U. G., contractor, Parsons, Kans.
tta Talc Co., Dalton, Ga.
Spring Co., Inc., all kinds, 103-105 Mott, cor Canal, New York.
d Wire Products Co., auto springs, Brown & Indiana, Toledo, Ohio.
Controlling Lock Co., Traction Bldg., Indianapolis, Ind.
Machine Mfg. Co., elec. water heaters, Portland, Ore.
er, J. N., flour mills, Waynesboro, Va.
er Milling Co., flour, Lynwood, Va.
tex Co., The, coin counting & stacking devices, St. Johns pl, Buffalo, N. Y.
to Canning Co., Cokato, Minn.
rt County Oil & Fertilizer Co., Tuscumbia, Ala.
rne Mfg. Co., machsts., 157 W. Division, Chicago, Ill.
rn Bros. Co., flour, McPherson, Kans.
urn Gear & Mfg. Co., Inc., gears, automobile repairing, machine parts, etc., 85 Purchase, Boston, Mass. *See adv. index at end of book.*
urn Mach. Tool Co.,machsts., Ivanhoe rd, Cleveland, Ohio.
rn, Wilford, lumber mfrs., Middle Grove, N. Y.
Cheese Box & Silo Co., Colby, Wis.
, E. B., & Co., stoves & furnaces, Hoboken av, Jersey City N. J.
y, Frank A., architect, 70 5th av, New York.
, Frank A., & Son, contractors, Brunswick, Me.
-Hinkley Co., veneer, Benton Harbor, Mich.
Mill Co., lumber, Colby, Wash.
Milling Co., flour, Dowagiac, Mich.
, N. H., cast-iron culverts, Granville, Ill.
esser Bros., axe mfrs., El Dorado, Pa.
ough, C. A., machsts., Hollis Center, Me.
rd-Wright Machy. & Supply Co., 1223-1229 N. B'way, St. Louis, Mo.
Jess Mfg. Co., nut mfrs., Cleveland, Ohio.
Light Mfg. Co., bulbs, Denver, Col.
Springs Construction Co., 528 Ellicott sq., Buffalo, N. Y.
Storage Refrigerator Co., Eau Claire, Wis.
water Ladder Co., Coldwater, Mich.
Water Refining Co., belt dressing, Raymilton, Pa.
well Gildard Co., tex. machy., notions (warp stop), 95 Milk, Boston, Mass.
well Lawn Mower Co., Newburgh, N. Y.
well-Wilcox Co., sluice gates, valves, etc., Newburgh, N. Y.
A. R. Co., contrs., Ann Arbor, Mich.
Arthur W., architect, 155 N. Clark, Chicago, Ill.
Bros., machsts., Patton, Pa.
Bros. Lightning Rod Co., 316 S. 7th, St. Louis, Mo.

Cole, Chester, architect, Chico, Cal.
Cole & Cole, granite, Quincy, Mass.
Cole & Dixon, truck units, etc., 236 W. 54th, New York.
Cole & Field, contrs., Joliet, Ill.
Cole, Geo., contractor, Stoneham, Mass.
Cole Glass Co., Lancaster, Ohio.
Cole, H. C. and W. S., tacks, Kingston, Mass.
Cole, H., Co., architects' instruments, 68 E. Gay, Columbus, O.
Cole-Halstead Light & Sales Co. See Coleman Lamp Co. (successor).
Cole, Henry & Co., sockets, 54 Old Colony av, Boston Mass.
Cole, J. N., masons' & bldrs.' matls., Danville, Pa.
Cole, Jas., Co., organs, Melrose, Mass.
Cole, John W., mill & facty. supplies, Grosvenor bldg, Providence, R. I.
Cole, L. S., landscape architect, 14 E. Jackson blvd, Chicago, Ill.
Cole, M. J. Jr., contrs., Little Rock, Ark.
Cole Mfg. Co., agricultural implements, Charlotte, N. C.
Cole Mfg. Co., radiators, stove mfrs., etc., 3218 S. Western av, Chicago, Ill.
Cole Mfg. Co., sash, doors & blinds, Memphis, Tenn.
Cole Metal Products Co., 401 E. 23rd, New York.
Cole Motor Car Co., 730 E. Washington, Indianapolis, Ind.
Cole, N. S., & Son, Inc., contrs., Haverhill, Mass.
Cole, Percy J., contrs., 110 Pensee, San Francisco, Cal.
Cole, R. D., Mfg. Co., agricultural implements, Newnan, Ga.
Cole, Robert, architect, Bellefonte, Pa.
Cole, Roscoe Mfg. Co., wire cloth, S. Norwalk, Conn.
Cole, S. B., contractor, Battle Creek, Mich.
Cole, S. B., cornices & skylights, Quincy, Mich.
Cole, S. M., Co., masons' & bldrs.' matls., Oberlin, Ohio.
Cole Toy & Trading Co., 324 Hill av, Los Angeles, Cal.
Cole Truckmobile Co., 48 Laflin, Chicago, Ill.
Cole, W. H., & Sons, whol. hdwe., 40 S. Charles, Baltimore, Md.
Cole, W. T., tubular boilers, Ishpeming, Mich.
Cole, W. V., contractor, Tampa, Fla.
Cole, Wm. A., Paper Co., Putney, Vt.
Cole, Wm., & Sons, granite, Barre, Vt.
Colebrookdale Iron Co., machsts. & fndrs., Pottstown, Pa.
Colebrook's, W. H., Sons, roofing & cements, Syracuse, N. Y.
Coleman, Adelbert E., architect & ornamental bronze & iron, 336 W. 37th, Chicago, Ill.
Coleman, Allan J., augers, 208 N. Wabash av, Chicago, Ill.
Coleman-Beil Co., mattresses, 1322 W. Monroe, Chicago, Ill.
Coleman Bros., contractors & crushed stone, Chelsea, Mass.
Coleman, Charles, mill & facty. supplies, 953 3rd av, Brookly N. Y.
Coleman Feed Roller Co., saw mill mchy., Vredenburgh, Ala.
Coleman, Galen, machsts. & fndrs., Middletown, N. Y.
Coleman, Green Lbr. Co., nr. McLain, Miss.
Cloeman Guano Co., Coleman, Ga.
Coleman, H. B., masons' & bldrs., Chippewa Falls, Wis.
Coleman Hardware Co., 122 S. Michigan av, Chicago, Ill.
Coleman, Harter & McCormick, lbr., Williamsport, Pa.
Coleman, J. C., auto windshields, 137 N. Grand blvd, Detroit, Mich.
Coleman, J. C., & Sons Co., contractors & crushed stone, 1620 Tremont, Rox., Boston, Mass.
Coleman & Jenkins, contrs., San Antonio, Tex.
Coleman, John, lumber, Williamsport, Pa.
Coleman, Jno. N., architect, 6257 St. Lawrence, Chicago, Ill.
Coleman Lamp Co., 120 S. Los Angeles, Los Angeles, Cal.
Coleman Lamp Co., Wichita, Kans.
Coleman Machy. & Tool Co., 38 Park Row, New York.
Coleman & Smith, flour mills, Weldon, Ky.
Coleman, W. C., Co., machy. dealers, 161 Summer, Boston, Mass.
Coleman, W. H., Co., lumber & cooperage stock, Jackson, Tenn.
Coles, C. B., & Sons Co., lbr., sashes, doors, etc., Camden, N. J.
Coles' Constr. Co., L. C. Smith Building, Seattle, Wash.
Coles Mfg. Co., machsts., 1615 N. 23d, Philadelphia, Pa.
Coles Picture Mach. Corp., 120 W. 41st, New York.
Coles Tool & Mach. Co., Oneida, N. Y.
Coley, Samuel B., architect, 569 5th av, New York.
Colfax Brick Co., common, Colfax, W. Va.
Colfax Hardwood Lumber Co., Colfax, La.
Colfax Mfg. Co., carriages, South Bend, Ind.
Colfax Pressed Brick Co., Denver, Colo.
Colfax Stone Co., Chippewa Falls, Wis.
Colgan, J. W., Co., harness ornaments, Sudbury Bldg., Boston, Mass.
Colgan Machy. Supply Co., concrete bldg. & brich machy., Columbus, Ohio.
Colgan Mfg. & Supply Co., packing mfrs, lubricating oils, 118 Maiden la, New York.
Colgan, Wm. H., Co., switch boxes, clamps, etc., West Newton. Mass.
Colgate & Co., soap mfrs., 105 Hudson, Jersey City, N. J.
Colladay, Jos. O., Co., machsts., 626 Race, Philadelphia, Pa.
Collamer Mach. Wks., machsts, 1214 E. 152d, Cleveland, O.
Collamore, L., contractor, Little Rock, Ark.
Collapsable Joist Form Co., concrete forms, Finance Bldg Kansas City, Mo.
Collard, Frank, knitted gloves, 256 E. Ashmead, Gtn., Phila., Pa.
College Hill Press Brick Co., 1400 College av, St. Louis, Mo.
College Mill Co., flour, Franklin, Ky.
College Point Boat Corp., ship bldrs., College Point, L. I., N. Y.

Colles Heater & Specialty Co., water filters & feed water heaters, 14 E. Jackson Blvd., Chicago, Ill.
Colleton Cypress Co., Columbus, O.
Collett, Wm. C., architect, 50 Broomfield, Boston, Mass.
Colley, C. D., Co., architects, Century Bldg., Pittsburgh, Pa.
Colley, Chas. E., architect, South Orange, N. J.
Colley, Clarence K., architect, L. & C. Bldg., Nashville, Tenn.
Colley Elevator Co., 522 W. Monroe, Chicago, Ill.
Colley, J. H., architect, F. & F. Nat'l Bk. Bldg., Nashville, Tenn.
Collier-Adams Mfg. Co., sashes, doors, etc., St. Joseph, Mo.
Collier-Barnett Co., sashes, doors & blinds, Toledo, Ohio.
Collier, Eusebius, lbr., 494 Broad, Newark, N. J.
Collier, H. C., & Sons, varnish mfrs., Binghamton, N. Y.
Collier-Keyworth Co., children's carriages, Gardner, Mass.
Collier Motor Truck Co., Painesville, Ohio.
Collier, Thos. L., sashes, doors & blinds, Gibsonburg, Ohio.
Colliers-Adams Mfg. Co., lumber, St. Joseph, Mo.
Collin County Mill & Elevator Co., flour, McKinney, Tex.
Collings Carriage Co., Camden, N. J.
Collingwood Brick Co., Toledo, Ohio.
Collins & Aikman Co., car plush, 4675 Nixon, Philadelphia, Pa.
Collins, Bartlett, carriages, Avon, Mass.
Collins Bros., brooms, Lawrence, Mass.
**Collins Bros., machsts., Pawtucket, R. I.**
Collins Bros. Lumber Co., Sullivan, Wis.
Collins, C. C., Lbr. Co., Rhinelander, Wis.
Collins, Chas., & Sons, contractors, Troy, N. Y.
Collins, Clarence H., Co., elec. & gas light fixtures, 4404 Euclid, Cleveland, Ohio.
Collins Colliery Co., coke, Macdonald, W. Va.
**Collins Co., agricultural implements, Collinsville, Conn.**
Collins, D. C., Newman, architect, 14 John, New York
Collins, Darrah, & Co., lumber, Nebraska, Pa.
Collins, E. F., & Sons, cotton waste, Springfield, Mass.
Collins, Frank, brick, Princess Anne, Md.
Collins, Frank C., architect, 2 W. 45th, New York
**Collins, G. A., & Son, bodies—automobile, Akron, Ohio.**
Collins, Edw. R., architect, Westfield, N. J.
Collins, Esslen Lbr. Co., Madison, Wis.
**Collins, G. J. S., contractor, 423 S. 31st, Omaha, Neb.**
Collins Garage Mach. Wks., Opelika, Ala.
Collins, Geo., architect & contr., 1st & Berry, Hackensack, N. J.
Collins-Gordon Co., contractors, Ferguson Bldg., Pittsburgh, Pa.
Collins, H. F., Co., boxes, St. Paul, Minn.
Collins, Hilton, Co., lap links, neck yokes, etc., Louisville, Ky.
**Collins, J. A., contrs., Alameda, Cal.**
Collins, J. Frank, architect, Spartanburg, S. C.
Collins, J. H., Boiler Co., Amsterdam, N. Y.
Collins, J. S., & Son, fertilizer mfrs., Moorestown, N. J.
Collins, Jacob P., Co., lumber, South Seaville, N. J.
Collins, John, & Co., canned goods, American Corners, Md.
Collins, John D., contractor, Morristown, N. J.
Collins, Jno. M., contr., 82 State, Albany, N. Y.
Collins Mfg. Co., paper & pulp mills, writing paper, N. Wilbraham, Mass.
Collins Mfg. Co. (Ltd.), oil filters, regulators, etc., 612 Chestnut, Philadelphia, Pa.
Collins Mfg. Co., pipe hangers, 1318 Farmers' Bank Bldg., Pittsburgh, Pa.
Collins Metallic Packing Co., 56 N. 2d, Philadelphia, Pa.
Collins, Michael J., duck coats, 24 Thayer, Boston, Mass.
Collins & Moore, plumbers' supplies, Paris, Tex.
Collins, O. C., & Co., architects, Frankfort, Ind.
Collins, Plass, Thayer Co., burlap, 26 Beaver, New York.
Collins Plow Co., Quincy, Ill.
Collins, R., contractor, Alpena, Mich.
Collins, R. L., & Sons, flour mills, Crittenden, Ky.
Collins, R. N., Vehicle Woodwork Co., auto. metal bodies, 3900 Chouteau av, St. Louis, Mo.
Collins, T. C. & Son, flour, Windom, Minn.
Collins, T. J., Furniture Co., Toledo, Ohio.
Collins, T. J., & Son, architects, Staunton, Va.
Collins, T. P., contractor, Kankakee, Ill.
Collins, Thos. & Sons, granite, Quincy, Mass.
Collins, Val. P., architect, Met. bldg., Louisville, Ky.
Collins, Walter L., architect, Milford, Mass.
Collins, Wm. P., & Co., mill & facty. supplies, 332 S. Dearborn, Chicago, Ill.
**Collins, Wm. P., Co., tubular boilers, 134 Franklin, Long Island City, N. Y.**
Collinson, Joshua, machst., East Orange, N. J.
Collinsville Chem. Co., methylene blue, Collinsville, Ill.
Collinsville Zinc Co., Collinsville, Ind.
Collinwood Fdry., 17004 Waterloo rd, Cleveland, O.
Collinwood Lumber Co., 14902 Darwin av, Cleveland, Ohio.
Collis Co., machsts. & fndrs., Clinton, Ia.
Collman, A. D., contrs., 110 Jessie, San Francisco, Cal.
Collman & Duncan, contractors, 2661 B'way, San Fran., Cal.
Collmer Bros., machsts., South Bend, Ind.
Collum Mfg. Co., confectioners' machy., Hartford, Conn.
Collyer Insulated Wire Co., rubber wire, Pawtucket, R. I.
Col-Mac Co., flexible metallic hose, tubing, etc., 250 South, Newark, N. J.
Colman, C. L., Lumber Co., La Crosse, Wis.
Colman, J. M., Co., creosoting wks., Seattle, Wash.
Colombat, Henry & Co., fringes, 239 Geary, San Francisco, Cal.



Colon, Geo., & Co., contractors, 81 E. 125th, New York.
Colonial Bedding Co., mattresses, Fredericksburg, Va.
Colonial Board Co., Manchester, Conn.
**Colonial Braid Co., shoe laces, So. Attleboro, Mass.**
Colonial Building Co., Spokane, Wash.
Colonial Can Co., 120 Milk, Boston, Mass.
Colonial Carriage Co., Circleville, Ohio.
Colonial Chandelier Wks., 122 Centre, New York.
Colonial Coal & Coke Co., Oliver Bldg., Pittsburgh, Pa.
Colonial Colliery Co., anthracite, No. Amer. bldg., Pittsburg Pa.
**Colonial Co., adding mach. rolls, Mechanic Falls, Me.**
Colonial Co., china, East Liverpool, Ohio.
Colonial Creosoting Co., Louisville, Ky.
Colonial Elec. Wks. of G. E. Co., Warren, Ohio.
Colonial File Co., Neponset, Boston, Mass.
Colonial Fireplace Co., fireplace goods, brass, bronze & alum num castings & machy.—commercial platers of brass, co per, nickel & tin, 4631 W. 12th, Chicago, Ill.
Colonial Handle Co., Knoxville, Tenn.
Colonial Iron Co., 149 B'way, New York.
Colonial Iron Wks. Co., steel structural work, 881-885 E. 67 Cleveland, O.
Colonial Knitting Mills, gloves & mittens, Stokeley & Hunti Park, Philadelphia, Pa.
Colonial Knitting Mills, sweaters, cardigans, etc., 291 Esse Brooklyn, N. Y.
Colonial Lubrg. Oil Co., 15 Storer, Boston, Mass.
Colonial Mfg. Co., acetylene gas burners, Chattanooga, Tenn.
Colonial Mfg. Co., elec. fix. mfrs., Alleghany & A, Phila., Pa.
Colonial Mfg. Co., English hall clocks, Zeeland, Mich.
Colonial Office Appliance Co., 98 Park pl, New York.
Colonial Pine Co., Wilson, N. C.
Colonial Pressed Brick Co., Mogadore, Ohio.
Colonial Red Cedar Chest Co., Lincoln, Neb.
Colonial Rubber Specialties Co., mill & facty. supplies, 35 M ray, New York.
Colonial Salt Co., Akron, Ohio.
Colonial Sign & Insulator Co., Akron, Ohio.
Colonial Stained Glass Wks., 161 High, Boston, Mass.
Colonial Steel Co., 324 4th av, Pittsburgh, Pa.
Colonial Sugars Co., 129 Front, New York.
Colonial Supply Co., mine, mill & facty. supplies, 217 Wat Pittsburgh, Pa. *See adv index at end of book.*
Colonial Towel Mfg. Co., Clifton Heights, Pa.
Colonial Wks., paint mfrs., 233 Norman av, Brooklyn, N. Y.
Colonna Marine Railway Corp., dry docks, Norfolk, Va.
Colora Canning Co., Aberdeen, Md.
Colo. Badge & Novelty Co., Denver, Colo.
Colo. Bedding Co., Pueblo, Colo.
Colo. Brass Fdry. Co., Denver, Colo.
Colo. Concrete Mixer Co., Denver, Colo.
Colo. Condensed Milk Co., canned, Fort Lupton, Colo.
Colo. Fuel & Iron Co., Boston bldg., Denver, Colo.
Colo. Iron & Metal Co., Denver, Colo.
Colo. Iron Works Co., Denver, Colo.
Colo. Lime & Fluxing Co., 321 McPhee, Denver, Colo.
Colo. Packing & Provision Co., Denver, Colo.
Colo. Portland Cement Co., Denver, Colo.
Colo. Rubber Co., mill & facty supps., Denver, Colo.
Colo. Tent & Awning Co., Denver, Colo.
**Colo. Wrecking & Building Co., 1426 Second, Denver, Colo.**
Colo. Yule Marble Co., 334 5th av, New York.
Colorprint Label Co., 125 S. 8th, St. Louis, Mo.
Colpitts, S. B., carriages, Alliston, Boston, Mass.
Colquhoun, D., & Son, meat packers, Central Falls, R. I.
Colquitt Lumber Co., Moultrie, Ga.
Colson Co., bicycles, screw mach. products, Elyria, Ohio.
Colson, F. A., Pattern Wks., Buffalo, N. Y.
Colson-Hudson, architects, Dun Bldg., Buffalo, N. Y.
**Colson U. O. Co., advtg. spec., 118-20-22 S. Main, Paris, Ill.**
Colt & Dickson Packing & Mfg. Co., canned goods, Frederick,
Colt, J. B. D., Co., gas machs.; auto. lamps, etc., 30 E. New York.
Colt, Robert, architect, 85 Water, Boston, Mass.
Colt, Samuel S., architect, Orange, N. J.
Colt, Stockton B., architect, 40 W. 38th, New York
Colter, A. W., Canning Co., Mt. Washington, Ohio.
Colter, Henry, lbr., Bobo, Ind.
Colton, Arthur, Co., machsts., 782 E. Jefferson, Detroit, Mich
Colton Bros. Co., flour mills, Bellefontaine, Ohio.
Colton, Geo. S., Elastic Web. Co., Easthampton, Mass.
Colton, Reuben, landscape architect, 31 Mass. av, Boston, M
Colt's Patent Firearms Mfg. Co., rifles, guns, etc., Hartf Conn.
Columb Tyres Import Co., tires, 1 Madison av, New York.
C. & O. Lbr. Co., Brookings, Ore.
Columbia Arch'l Iron Wks., 1619 Clybourne av, Chicago, Ill.
Columbia Axle Co., 826 E. 72d, Cleveland, Ohio.
Columbia Ball Caster Co., 160 N. 5th av, Chicago, Ill.
Columbia Bangor Slate Co., rfg. slate mfrs., Bangor, Pa.
Columbia Boiler Works, tanks & stacks, Columbia, Pa.
Columbia Box Co., 19th & N Market, St. Louis, Mo.
Columbia Box & Lumber Co., South Bend, Wash.
Columbia Brass Wks., shower baths, 740 N. Franklin, C cago, Ill.

mbia Brick Wks., Portland, Ore.
mbia Button Wks., 229 W. 28th, New York.
mbia Can Co., Madison, 1st & 2d, St. Louis, Mo.
mbia Canning Co., Columbia, Tenn.
mbia Carriage & Auto. Wks., Portland, Ore.
mbia Casting Co., brass fndrs., Ferdinand & Wabash R. R., Detroit, Mich.
mbia Cedar Co., Skamokawa, Wash.
mbia Chemical Co., Pittsburgh, Pa.
mbia Chemical Wks., aqua ammonia, Bush Terminal, Brooklyn, N. Y.
mbia Chuck & Tool Co., flue cutters, 140 S. Dearborn, Chicago, Ill.
mbia Conserve Co., canned goods, Indianapolis, Ind.
mbia Constr. Co., 425 E. Water, Milwaukee, Wis.
mbia Contract Co., E. Water & Main, Portland, Ore.
mbia Cornice Co., Cambridge, Mass.
mbia Cotton Mill Co., bags & bagging, Columbia, Tenn.
mbia Cotton Oil Co., Magnolia, Ark.
mbia Counter Co., 349 Congress, Boston, Mass.
mbia County Lbr. Co., St. Helens, Ore.
mbia Digger Co., 180 Burnside, Portland, Ore.
mbia Dist. Co., Waterloo, N. Y.
mbia Engine Co., machsts., 1275 Jefferson av, Detroit, Mich.
mbia Engng. Wks., ship bldrs., Portland, Ore.
mbia Envelope Co., 349 W. Austin av, Chicago, Ill.
mbia Fastener Co., snap fasteners, 3229 S. Ashland av, Chicago, Ill.
mbia Feather Co., hair & cotton felt mattresses, 413 W. Huron, Chicago, Ill.
mbia Fire Brick Co., Canton, Ohio.
mbia Fire Extinguisher Co., 174 Centre, New York.
mbia Gas & Elec. Fix. Co., 182 Grand, New York.
mbia Gas Engine Co., Portland, Ore.
mbia Gas Stove Co., Huntington, W. Va.
mbia Granite Co., Milford, N. H.
mbia Granite Co., Westerly, R. I.
mbia Granite & Dredging Co., crushed stone & sand, 3036 K, N. W., Washington, D. C.
mbia Granite Wks., Quincy, Mass.
mbia Graphophone Co., 233 B'way, New York.
mbia Guano Co., fertilizer mfrs., Norfolk, Va.
mbia Hardwood Lumber Co., 2082 Dominick, Chicago, Ill.
mbia Hdwood Lbr. Co. of Ark., Pinckney, Ark.
mbia Heater Co., Paterson, N. J.
mbia Lamp Division, the Nat'l Lamp Wks., Title Guarantee Bldg., St. Louis, Mo.
mbia Iron & Wire Works Co., Canton, Ohio.
mbia Iron Wks., 721 Reading rd, Cincinnati, Ohio.
mbia Iron Works, 246 N. 5th, Philadelphia, Pa.
mbia Knitting & Mfg. Co., sweaters, gloves, etc., 236 B'way, Milwaukee, Wis.
mbia Knitting Mills, sweaters, etc., 116 W. 32nd, New York.
mbia Lubricants Co., 126 Massachusetts av, Boston, Mass.
mbia Lubricants Co., 1549 S. Michigan, Chicago, Ill.
mbia Lubricants Co. of N. Y., 116 Broad, New York.
mbia Lbr. & Mfg. Co., Columbia, S. C.
mbia Machine Co., Zanesville, Ohio.
mbia Machine & Stopper Corp., 414 W. 38th, New York.
mbia Mach. Tool Co., Hamilton, O.
mbia Machine Works, 284 Stewart, San Francisco, Cal.
mbia Machine Works & Malleable Iron Co., Atlantic av & Chestnut, Brooklyn, N. Y.
mbia Mantel Co., Louisville, Ky.
mbia Mfg. Co., cotton sheeting, Ramseur, N. C.
mbia Mfg. Co. See Willey Co., Inc. (successor)
mbia Mfg. Co., children's bicycles & vehicles, 116 E. 3rd, Cincinnati, O.
mbia Marble Co., 268 Market, San Francisco, Cal.
mbia Metal Box Co., 226 E. 144th, New York.
mbia Metal Hose Wks., 532 W. 22nd, New York.
mbia Metal Stamping Co., dies stamping, Cleveland, O.
mbia Mill & Elevator Co., flour, Columbia, Tenn.
mbia Mills, Inc., shade cloth mfrs., 225 5th av, New York.
mbia Mills, woolen blankets, Lewiston, Me.
mbia Mineral Wool Co., 58 W. Washington, Chicago, Ill.
mbia Motor Truck & Trailer Co., Pontiac, Mich.
mbia Narrow Fabric Co., cotton & elastic webbing, Shannock, R. I.
mbia Naval Stores Co., Savannah, Ga.
mbia Novelty Co., 1431 N. 8th, St. Louis, Mo.
mbia Nut & Bolt Co., Bridgeport, Conn.
mbia Oil Co. of New York, 15 William, New York.
mbia Paper Bag Co., 921 E. Fort av, Baltimore, Md.
mbia Paper Bag Co., paper bag mfrs., Long Island City, N. Y.
mbia Plate Glass Co., Blairsville, Pa.
mbia Plow Wks., Copake Falls, N. Y.
mbia Postal Supply Co., Silver Creek, N. Y.
mbia Products Co., whiting & paris white mfrs., Garfield Bldg., Cleveland, Ohio.
mbia Pump & Well Co., machy. dlrs., 522 12th, N. W., Washington, D. C.
umbia Quarry Co., Fullerton Bldg., St. Louis, Mo.
mbia Record Stove Co., 624 S. 2d, Philadelphia, Pa.

Columbia Refining Co., oils, paints, 90 West, New York.
Columbia Ribbon & Carbon Mfg. Co., 69 Wooster, New York.
Columbia River Canning & Produce Co., St. Helena, Ore.
Columbia River Door Co., lbr., Rainier, Ore.
Columbia River Packers' Assn., Astoria, Ore.
Columbia River Shipbuilding Corp., Portland, Ore.
Columbia Rubber Co., 301 Congress, Boston, Mass.
Columbia Sanitary Mfg. Co., lavatories & fittings, Louisville, Ky.
Columbia School Supply Co., Indianapolis, Ind.
Columbia Smelting & Refining Wks., 366 West, New York.
Columbia Specialty Co., boxes, cans, etc., 1508 E. Fayette, Baltimore, Md.
Columbia Stained Glass Works, 866 N. 10th, Philadelphia, Pa.
Columbia Star Milling Co., flour, Columbia, Ill.
Columbia Steel Co., mfrs., Elyria, Ohio.
Columbia Steel Co., iron & steel rolling mills, 503 Market, San Francisco, Cal.
Columbia Steel & Shafting Co., rolling mills, Kirkwood, Pittsburgh, Pa.
Columbia Stone Co., Soc. for Sav. Bldg., Cleveland, Ohio.
Columbia Sugar Co., Bay City, Mich.
Columbia Supply Co., mill & facty. supplies, Columbia, S. C.
Columbia Tire & Rubber Co., Mansfield, Ohio
Columbia Tool Steel Co., 552 W. Lake, Chicago Heights, Ill.
Columbia Typewriter Mfg. Co., 37 W. 116th, New York.
Columbia Univ. Engng. School & Coll., W. 116th nr. Amsterdam av, New York.
Columbia Valley Co-operation Shingle Co., Sumas, Wash.
Columbia Valley Lbr. Co., Seattle, Wash.
Columbia Wagon Co., Columbia, Pa.
Columbia Wax Wks., 751 E. 137th, New York.
Columbia Western Mills, machsts. & fndrs., Wheeler & Ring, Saginaw, Mich.
Columbia Western Mills, shade cloth mfrs., Peoria & W. 121st, Chicago, Ill.
Columbia Wire & Iron Wks., 1933 W. Lake, Chicago, Ill.
Columbia X-Ray & Elec. Corp., 131 E. 23d, New York.
Columbian Bronze Corp., 522 5th av, New York
Columbian Canning Co., canned goods, Lubec, Me.
Columbian Carbon Co., black, Williamsport, Pa.
Columbian Construction Co., Muskegon, Mich.
Columbian Cutlery Co., Reading, Pa.
Columbian Enameling & Stamping Co., Terre Haute, Ind.
Columbian Granite Co., Montpelier, Vt.
Columbian Hdwe. Co., vises, anvils, drop forgings, etc., Cleveland, Ohio.
Columbian Iron Wks., flap valves, machsts. & fndrs., Chattanooga, Tenn.
Columbian Iron Works, Twining, District of Columbia
Columbian Mall Crane Co., Columbus, Ohio.
Columbian Mfg. Co., awning stripes, denims, tickings, Greenville, N. H.
Columbian Paper Co., Buena Vista, Va.
Columbian Paper Co., Bristol, Va.
Columbian Rope Co., 3050 Genesee, Auburn, N. Y.
Columbian Steel Tank Co., auto. metal bodies, gasoline pumps, New England Bldg., Kansas City, Mo.
Columbiana Boiler Co., Columbiana, Ohio.
Columbiana Fdry. Co., Columbiana, Ohio.
Columbiana Mfg. Co., handles, Columbiana, Ohio.
Columbiana Pump Co., Columbiana, Ohio.
Columbus Anvil & Forging Co., Columbus, Ohio.
Columbus Aseptic Furniture Co., Columbus, Ohio.
Columbus Auto. Brass Co., 769 N. 4th, Columbus, Ohio.
Columbus Auto Parts Co., screw mach. prod., E. Russell, Columbus, Ohio.
Columbus Belting & Supply Co., 77 E. Long, Columbus, Ohio.
Columbus Bolt Works Co., Columbus, Ohio.
Columbus Brass Co., structural brass & bronze work, 538 Dublin av, Columbus, Ohio.
*See adv index at end of book.*
Columbus Brick Co., Columbus, Miss.
Columbus Brick & Terra Cotta Co., Columbus, Ohio.
Columbus Builders' Supply Co., 145 N. Front, Columbus, O.
Columbus Canning Co., Columbus, Wis.
Columbus Chemical Co., green soap, 3725 Langley av, Chicago, Ill.
Columbus Clay Mfg. Co., Blacklick, Ohio.
Columbus Coal & Lime Co., masons' & bldrs. matls., 307 S. High, Columbus, Ohio.
Columbus Coffin Co., Columbus, Ohio.
Columbus Die, Tool & Mach. Co., 955 Cleveland av, Columbus, Ohio
Columbus Electrical Wks. Co., 247 N. Front, Columbus, Ohio.
Columbus Fdy. Co., Columbus, Ind.
Columbus Foundry Co., Inc., brass, bronze & aluminum castings, 451 Hicks, Brooklyn, N. Y.
Columbus Fibre Box Co., N. W. cor. Hickory & Wall, Columbus, Ohio.
Columbus Fire & Face Brick Co., general bldg. prods. & coal, 16 S. 3rd, Columbus, Ohio.
Columbus Forge & Iron Co., automobile forgings, etc., Columbus, Ohio. *See adv index at end of book.*
Columbus Gas Engine & Machine Co., 303 Mt. Vernon av, Columbus, Ohio
Columbus Glass Co., Lancaster, Ohio.
Columbus Grove Brick & Tile Co., Columbus Grove, Ohio.

Columbus Handle & Tool Co., Columbus, Ind.
Columbus Hardware & Furniture Co., Columbus, Miss.
Columbus Htg. & Ventg. Co., machsts., Columbus, Ohio.
Columbus Incandescent Mantle Co., Columbus, Ohio.
Columbus Iron Works, Columbus, Ga.
Columbus Lift Truck Co., Columbus, Ohio.
Columbus Lbr. Co., Columbus, Miss.
**COLUMBUS McKINNON CHAIN CO.**, mfrs. chains of every description, Columbus, Ohio. *See adv index at end of book.*
Columbus Macadam Co., crushed stone, contractors & masons' & bldrs. matls., 319 Dublin av, Columbus, Ohio.
Columbus Mach. & Fdry. Co., cottonseed oil machy., Columbus, O.
Columbus Mach. Works, pipe vises, Columbus, Ind.
Columbus Mailing Bag Co., 1178 Mt. Pleasant av, Columbus, O.
Columbus Malleable Iron Co., Columbus, Ohio.
Columbus Mfg. Co., cotton sheeting, Columbus, Ga.
Columbus Mfg. Co., webbing—cotton, Columbus, Miss.
Columbus Mill & Mine Supply Co., 75 N. Front, Columbus, O.
Columbus Mining Co., coal, 332 S. Michigan av, Chicago, Ill.
Columbus Oil Cloth Co., 1280 N. Grant av, Columbus, Ohio.
Columbus Packing Co., meat packers, Columbus, Ohio.
Columbus Phaeton Co., carriages, Burlington, N. J.
Columbus Plate & Window Glass Co., 69 E. Long, Columbus, O.
Columbus Plow Co., Columbus, Ohio.
Columbus Pump Co., hydraulic rams, Columbiana, Ohio.
Columbus Pump Supply Co., mill & facty. supplies, 35 Vine, Columbus, O.
Columbus Scale & Repair Co., machsts., 142 W. Long, Columbus, Ohio.
Columbus Sewer Pipe Co., Columbus, Ga.
Columbus Show Case Co., 423 N. Grant av, Columbus, Ohio.
Columbus Slate Co., New Hayden Bldg., Columbus, Ohio.
Columbus Steam Boiler & Htr. Co., Columbus, Ohio.
Columbus Steam Pump Works Co., Columbus, Ohio.
Columbus Structural Steel Co. (The), structural steel & ornamental iron work, Columbus, Ohio.
Columbus Sucker Rod Co., Columbus, Ohio.
Columbus Supply Co., mill & facty. & plumbers' supplies—jobbers, 37 W. Spring, Columbus, Ohio.
Columbus Tent & Awning Co., Columbus, Ohio.
Columbus Tractor Co., Columbus, O.
Columbus Truck & Supply Mfg. Co., Columbus, Ga.
Columbus Varnish Co., Columbus, Ohio.
Columbus Washed & Sterilized Wiper Co., mach. wipers, 522 Parsons av, Columbus, Ohio.
Columbus Wire & Iron Works Co., Columbus, Ohio.
Colusa Milling Co., flour, Colusa, Cal.
Colusa Sandstone Co., Potrero av & Division, San Francisco, Cal.
Colvin, Albert Leslie, contr., Anderson, Ind.
Colvin Chase Fence Co., South Charleston, Ohio.
Colvin Fndry. Co., 185 Globe, Providence, R. I
Colvin, J B., machsts. & fndrs., Worcester, Mass.
Colvin-Robb Lumber Co., Bibawik, Minn.
Colvin, S. S., Stave Co., cooperage stock, Pemberville, Ohio.
Colwell Cooperage Co., 412 G'wich, New York.
Colwell, E. F., landscape architect, 6523 Euclid av, Cleveland, O.
Colwell Granite Co., producers, Farmers' Bank Bldg., Pitts., Pa.
Colwell Ideal Corp., plumbing goods, Grand River & Kirby, Detroit, Mich.
Colwell, Lewis, chemical engr., 25 E. Jackson, Chicago, Ill.
Colwell, Philip, contractor, 21 Gilbert, New Haven, Conn.
Colyer, Jos. H., & Son, masons' & bldrs. matls., 531 Nostrand av, Brooklyn, N. Y.
Comas Machine Co., machsts. & fndrs., Salem, Va.
Comb, David, & Son, contractors, 29 Ash, Minneapolis, Minn.
Combahee Fertz. Co., Charleston, S. C.
Combes, G. D., masons' & bldrs. matls., Rockville Center, N. Y.
Combination Door Co., windows & storm doors, Fond Du Lac, Wis.
Comey, R. H., Co., shades, porch, Camden, N. J.
Combination Engine Co., 3148 Penn av, Pittsburgh, Pa.
Combination Engine & Compressor Co., Bradford, Pa.
Combination Fountain Co., Decatur, Ill.
Combination Ladder Co., lawn settees, clothes bars, etc., 366 Fountain, Providence, R. I.
Combination Rubber Mfg. Co., beltings, hose, etc., Bloomfield, N. J.
Combined Locks Paper Co., Combined Locks, Wis.
Combined Supply & Equipment Co., fndry. facings, chaplets & supplies, 766 Grant, Buffalo, N. Y.
Combs, A. G., fertilizer, Locust Grove, Ga.
Combustion Engng. Corp., 11 B'way, New York.
Combustion Utilities Corp., fire controllers, 60 Wall, New York.
Combusto Devices Corp., fuel economizers, 250 W. 54th, N. York
Comeau, John F., architect, Elmhurst, Borough of Queens.
Comeaux Lumber Co., Broussard, La.
Comee Metallic Packing Co., Stevens Point, Wis.
Comer & Beals, flour mills, Gamaliel, Ky.
Comer, E. T., & Co., fertilizer mfrs., Millhaven, Ga.
Comer Mercantile Co., fertilizer, Comer, Ga.
Comer Oil Mill, Comer, Ga.
Comey & Frost, l'dscape architects, Abbott Bldg., Boston, Mass.
Comerer, W. M., lumber, Burnt Cabins, Pa.
Comerma Co., contractors, 114 Liberty, New York.
Comes & Imbs, architects, Columbia Bldg., St. Louis, Mo.
Comes, John T., architect, Renshaw Bldg., Pittsburgh, Pa.
Comet Automobile Co., Decatur, Ill.
Comet Welders, special weldings, 521 W. Jackson, Chicago, Ill.

Comfort Auto Robe Co., Inc., Waterloo, N. Y.
Comfort Chemical Closet Co., Factories Bldg., Toledo, Ohio.
Comfort, G. E., architect, Chronicle bldg, San Francisco, Cal.
Comfort, Ralph M., architect, 160 5th av, New York.
Comly, Frank T., stone producers, Edgehill, Pa.
Commander Mill Co., flour, 922 Flour Ex., Minneapolis, Minn.
Commander, T. A., & Son, lbr., Elizabeth City, N. C.
Commary, W. T., & Son, contractor, Crocker Bldg., San Francisco, Cal.
Commerce Brick & Lumber Co., Commerce, Ga.
Commerce Fertilizer Co., Commerce, Ga.
Commerce Motor Car Co., 26 Mackle, Detroit, Mich.
Commercial Acetylene Supply Co., 80 B'way, New York.
Commercial Acid Co., fertilizer, East St. Louis, Ill.
Commercial Auto Body & Mfg. Co., 5345 St. Clair, Cleveland, O.
Commercial Battery Co., 759 Boston av, Chicago, Ill.
Commercial Boiler Works, tubular, Seattle, Wash.
Commercial Box & Envelope Co., Chester, Pa.
Commercial Brass Corpn., lubricators, valves, etc., Detroit, Mich.
Commercial Camera Co., Rochester, N. Y.
Commercial Car Journal, Market & 49th, Phila., Pa.
Commercial Car Unit Co., 16th & Glenwood, Philadelphia, Pa.
Commercial Cars, Ltd., 40 Convent av, New York.
Commercial Cedar Co., lumber mfrs., Seattle, Wash.
Commercial Chemical Co., belt dressing & waterproof for shoes, 212 Essex, Boston, Mass.
Commercial Chemical Co., hydrofluoric acid, alums & ammonia, 5721 W. 66th, Chicago, Ill.
Commercial Constr. Co., 8 Bridge, New York.
Commercial Corundum & Emery Wheel Co., 922 W. Ohio, Chicago, Ill.
Commercial Cylinder Co., acetylene cylinders, 80 B'way, New York.
Commercial Distilling Co., Terre Haute, Ind.
Commercial Electric Co., Ltd., 728 Poydras, New Orleans, La.
Commercial Elec. Sign Co., 440 W. 46th, New York.
Commercial Elec'l Supply Co., arc lamp insulators, B'way Spruce, St. Louis, Mo.
Commercial Enclosed Fuse Co., Hoboken, N. J.
Commercial Engine Co., 2424 Porter, Los Angeles, Cal.
Commercial Fdry. Co., 97 Meldrum, Detroit, Mich.
Commercial Furniture Co., desk mfrs., 2718 W. Superior, Chicago, Ill.
Commercial Iron Wks., 171 Globe, Providence, R. I.
Commercial Iron Wks., machsts., 497 5th, San Francisco, Cal.
Commercial Iron Wks. Co., fndrs., Penn Yan, N. Y.
Commercial Journal, 628 Chestnut, Philadelphia, Pa.
Commercial Lubricating Co., cor. Meadow & Jackson, Phila., Pa.
Commercial Lbr. Co., Shreveport, La.
Commercial Mach. Co. See Commercial Welding & Machine Co. (successor)
Commercial Metal & Machy. Co., machy. dlrs., 550 4th, San Francisco, Cal.
Commercial Milling Co., farina, wheat flour, 45 Randolph, Detroit, Mich.
Commercial Oil Co., 17 Main, Buffalo, N. Y.
Commercial Paste Co., 504 Buttler, Columbus, Ohio
Commercial-Research Co., molybdenum wire, 18 E. 41st, New York
Commercial Sash & Door Co., 4914 S. Paulina, Chicago, Ill.
Commercial Sash & Door Co., Liberty & 33rd, Pittsburgh, Pa.
Commercial Sash & Door Co., Seattle, Wash.
Commercial Shearing & Stamping Co., 113 Oak Hill av, Youngstown, Ohio
Commercial Shingle Co., lumber, Bellingham, Wash.
Commercial Soap Co., Reno, Nev.
Commercial Steel Casting Co., Marion, Ohio
Commercial Stone Co., Joliet, Ill.
Commercial Switchboard Mfg. Co., Denver, Colo.
Commercial Truck Co. of Am., 27th & Brown, Philadelphia, Pa.
Commercial Truckmobile Co. See Cole Truckmobile Co. (successor)
Commercial Utilities Mfg. Co., advtg. spec., 160 N. Wells, Chicago, Ill.
Commercial Utilities Mfg. Co., time stamps, 521 W. 26th, New York.
Commercial Vehicle, trade publication, 239 W. 39th, New York
Commercial Welding & Mach. Co., Worcester, Mass. (tr.)
Common Sense Gas Tractor Co., 622 S. E. 9th, Minneapolis, Minn.
Common Sense Novelty Co., elec. illuminating signs, Sheffield & Montana, Chicago, Ill.
Common Sense Tire Removers Co., Dowagiac, Mich.
Common Sense Truss Co., elastic hosiery, 306 W. Madison, Chicago, Ill.
Commonwealth Adding Mach. Co., Muskegon, Mich.
Commonwealth Brass Corp., lubricators, radiator valves, etc., 625 Commonwealth av & Ry., Detroit, Mich.
Commonwealth Chemical Corp., 15 Park row, New York.
Commonwealth Color & Chemical Co., Nevins, Brooklyn, N. Y.
Commonwealth Cotton Oil Co., meal, Cushing, Okla.
Commonwealth Felt Co., 74-78 Summer, Boston, Mass.
*See adv index at end of book*
Commonwealth Glue Co., Drexel Bldg., Philadelphia, Pa.
Commonwealth Motors Co., 326 W. Madison av, Chicago, Ill.
Commonwealth Quarry Co., crushed stone, Summit, N. J.

onwealth Roofing Co., Grove c. 19th, Jersey City, N. J.
onwealth Steel Co., machsts. & fndrs., Pierce Bldg., St. Louis, Mo.
onwealth Supply Co., gear mfrs., Mutual Bldg., Richmond, Va.
unipaw Steel Co., steel structural work, 95 Liberty, New York.
utator Co., armatures, machinists, 121 N. 1st, Minneapolis, Minn.
li & Co., granite, Barre, Vt.
agnie Morana, oils, 118 E. 27th, New York.
ete Mfg. Co., clothes washing machines, Kenosha, Wis.
)-Board Co., 44th & Lyndale av, Minneapolis, Minn.
)und Door Co., St. Joseph, Mich.
)und Injector & Specialty Co., plumbing specialties, 419 So. Laramie av, Chicago, Ill.
)und Spec. Co., 156 West av, L. I. City, N. Y.
'essed Air Power Co., 110 Jessie, San Francisco, Cal.
'essed Steel Shafting Co., Readville, Mass.
'essed Wood Preserving Co., Spring Grove & Station avs, Vinton pl, Cincinnati, Ohio.
:ograph Co., adding machines, 33 S. La Selle, Chicago, Ill.
.on, A. A., contractor, Springfield, Mo.
:on, C. C., architect, Donora, Pa.
on, Demetrius, lumber, Elk Lick, Pa.
on, Ezra, brick, School, Ill.
on-Price Co., pianos, Coshhocton, Ohio.
on, W. H., Shear Co., 314 Camden, Newark, N. J.
on, W. R., Realty & Bldg. Co., Elmira, N. Y.
ter Mfg. Co., scales, 268 Market, San Francisco, Cal.
ting Appliances Co., machsts. & fndrs., Dayton, Ohio.
ting Cheese Cutter Co., Anderson, Ind.
ting Scale Co., Dayton, Ohio.
ting Scale & Fixture Co., coffee & spice mills, 303 E. th, Cincinnati, Ohio.
ting Tabulating Recording Co., scales, etc., 50 Broad, ew York.
edt, Joseph F. H., steel products, 120 B'way, New York.
ock, A. S., machst. & fndr., Evanston, Ill.
ock, C. H., Co., common brick, Ashkum, Ill.
ock-Castle Stove Co., Quincy, Ill.
ock, Corry B., architect, 110 W. 40th, New York.
ock, Edw., Co., Rome, N. Y.
ock, Geo. S., & Son, air compressors, hydraulic rams, Meanicsburg, Ohio.
ock, L. H., lbr. mfrs., Louisville, Ky.
ock, L. K. & Co., contractors, 21 E. 40th, New York.
ock & Van Dreser, architects, Gloversville, N. Y.
e. Geo. W., architect, 46 W. 24th, New York.
C. A., contractor, No. American bldg., Philadelphia, Pa.
cut Mills, cotton sheetings, Fall River, Mass.
t Bros. Co., medicine cabinets, Somerville, Mass.
, Chas. P., building contractor, Lowell, Mass.
& Co., elastic webbing, Littleton, Mass.
& Donelson Co., machsts. & fndrs., Conway, Mass.
, Edward F., flour, Conant, Idaho.
, F. R., Co., packing box mfrs., Auburn, Me.
, R. O., Co., canning machy., Portland, Me.
, D. R., architect, Hartman Bldg., Columbus, Ohio.
, Thos. P., railroad equipt. & machy. dlr., Harrison Bldg., ila., Pa.
ee Mills, cotton sheetings, Greenville, S. C.
Glove Co., 115 E. 23d, New York.
d Axle Co., machsts. & fndrs., Penacook, N. H.
d Fdy. Co., Elkhart, Ind.
d Fdry. & Mach. Co., Concord, N. H.
d Fdry. & Mach. Wks. Co., Concord, N. C.
d Granite Co., Concord, N. H.
d Lime Wks., Concord, Tenn.
d Mfg. Co., steam htrs., Dayton, Ohio.
d Pipe Co., Concord, N. H.
d Wheel Co., Concord, N. H.
d Woodworking Co., Concord, N. H.
dia Milling Co., flour, Concordia, Kan.
dia Oil Mills Co., cottonseed meal, Vidalia, La.
dia Safety Lamp Co., Fulton Bldg., Pittsburgh, Pa.
rse Blue Print Co., blue prints, 52 Vanderbilt av, New rk.
te-Cement Age Publishing Co., 310 Telegraph Bldg., Detoit, Mich.
te Constr. Co., 1618 Thompson, Philadelphia, Pa.
te Const. Co., Empire Bldg., Pittsburgh, Pa.
te Engineering Co., Omaha, Neb.
te Foundation Co., Sharp Bldg., Kansas City, Mo.
te Hardening Co., Inc., 220 5th av, New York
te Machy. & Supply Co., 2014 Sante Fe av, Los Angeles, l.
te Products Co., concrete reinforcing matls., Finance dg., Kansas City, Mo.
te Pipe & Constr. Co., Riverside, Cal.
te Products, trade publications, Monadnock bldg., Chigo, Ill.
te Ship Moulding Co., concrete barges, Seattle, Wash.
te Steel Bridge Co., Clarksburg, W. Va.
te Steel Co., 42 B'way, New York.
te & Steel Const. Co., Joplin, Mo.

Concrete Steel Engng. Co., 13 Park Row, New York.
Concrete Stone & Sand Co., Poland av, Youngstown, Ohio.
Concrete Waterproof Paint Co., 329 N. 3rd, Philadelphia, Pa.
*See adx index at end of book.*
Condarjian, L. K., architect, 1942 Kern, Fresno, Cal.
Conde, W. W., Hardware Co., wholesale, Watertown, N. Y.
Condensite Co. of Am., baking enamels, insulating varnishes, Bloomfield, N. J.
Conder & Culbertson, contractors, Odd Fellows Bldg., Indianapolis, Ind.
Condie-Bray Glass Paint Co., B'way & Benton, St. Louis, Mo.
Condit Electrical Mfg. Co., elect'l protective devices, cut-outs, oil break switches, transformers, etc., 1st & L, Boston, Mass.
Condon, Geo. C., contractor, Wesley Roberts Bldg., Los Angeles, Cal.
Condon, Geo. W., contractor, W. O. W. Bldg., Omaha, Neb.
Condon, James, common brick, Mazon, Ill.
Condon, Wm. F., contractor, 218 Putnam av, Cambridge, Mass.
Condrad, J. B., bldg. contr., Orchard & Layton blvd., Milwaukee, Wis.
Condrin, Mrs. Wm. Marine, machinist, Oil City, Pa.
Condron Co., arch'l consulting engrs., Monadnock Bldg., Chicago, Ill.
Condron, J. B., masons' & bldrs.' matls., Hollidaysburg, Pa.
Conductor Fitting Co., rain water cut-offs, Marietta, Ohio.
Cone, Fred H., & Co., horse hair, 181 Front, New York
Cone, Harry A., architect, Schofield Bldg., Cleveland, Ohio.
Cone, J. H. & W. E., whol. hdwe., 87 Asylum, Hartford, Conn.
Cone, Jos. D., lumber, wagon spokes, North Vernon, Ind.
Cone, R. D., Co., whol. hrwe., mill & facty. supplies, Winona, Minn.
Cone, Robt. H., contr., West Hartford, Conn.
Conejos Co-operative Roller Mills & Mfg. Co., Antonio, Colo.
Conen, Stephen, cornices, 4305 Lincoln av, Chicago, Ill.
Cones & Menefee, lumber mfrs., 450 W. Broad, Columbus, Ohio.
Cones, Frank, contractor, 408 Lombard, Indianapolis, Ind.
Conestoga Glue Wks., Lancaster, Pa.
Conestoga Steam Cotton Mills, Lancaster, Pa.
Conewago Trap Rock Co., Williamsport, Pa.
Coney & Parker Co., masons' & bldrs.' matls., Brunswick, Ga.
Coneys, Jno. L., architect, 1513 Walnut, Philadelphia, Pa.
Confectioner's Gazette, trade publication, 366 B'way, New York.
Confer, Smith & Co., founders, Hamburg, Pa.
Congaree Fertilizer Co., Columbia, S. C.
Congdon, Alphonse, contrs., Narragansett Pier, R. I.
Congdon & Carpenter Co., whol. hdwe., 155 Canal, Providence, R. I.
Congdon, D. C., cornices & skylights, Fort Scott, Kan.
Congdon, Henry M., & Son, architects, 18 B'way, New York.
Congdon, Herbert W., architect, 18 B'way, New York
Congdon, Z. T., Brass Fdry., Providence, R. I.
Congleton, J., brooms, New Philadelphia, Ohio.
Congoleum Co., Dept. of the Barrett Co., congoleum, 14 E. Jackson, Chicago, Ill.
Congress Varnish Wks., 114 Maiden Lane, New York.
Conkey, G. E., Co., insecticides, 3039 Woodland av, S. E., Cleveland, Ohio.
Conkle, John, Jr., lumber, Clark, Ohio.
Conklin Bros., dock bldrs., contractors, 2080 Richmond ter., Port Richmond, N. Y.
Conklin, Chas. W., architect, Mansfield, Ohio
Conklin, Claude C., architect, Patchogue, N. Y.
Conklin & Convery, archit., 28 Central av, Newark, N. J.
Conklin & Cummins, masons' & bldrs.' matls., Goshen, N. Y.
Conklin, H. King., architect, 665 Broad, Newark, N. J.
Conklin, H. R., bag filters, Joplin, Mo.
Conklin, Henry B., contractor, Belle Plaine, Ia.
Conklin Pen Mfg. Co., Toledo, Ohio.
Conklin, Reuling Co., contractors, masons' & bldrs.' matls. & sash, door & blinds, Pekin, Ill.
Conklin, S. P., mill & facty. supplies, 68 Jefferson av, Detroit, Mich.
Conklin & Sons Co., masons' & bldrs.' matls., Madison, Wis.
Conklin & Strong, masons' & bldrs.' matls., Warwick, N. Y.
Conklin, T. E. & Co., brass & copper angles, channels, etc., 61 Duane, New York.
Conklin Tin Plate & Metal Co., Atlanta, Ga.
Conkling-Armstrong Terra Cotta Co., terra cotta architectural, Wissahickon av & Juniata, Philadelphia, Pa.
Conkling, E. A., Box Co., packing box mfrs., 2001 Reading rd, Cincinnati, Ohio.
Conkling, H. J., masons' & bldrs.' matls., 731 Hunt, Cincinnati, Ohio.
Conlan, Bernard, & Co., belt buckles, uniform buttons, etc., 87 Hamilton, Newark, N. J.
Conlan Elec. Co., 86 Walker, New York.
Conlee Lumber Co., Attalia, Wash.
Conley Camera Co., Rochester, Minn.
Conley, Frank E., Stone Co., masons' & bldrs. matls., Utica, N. Y.
Conley Frog & Switch Co., Memphis, Tenn.
Conley, Joseph A., brick, Harpster, Ohio.
Conley Stain & Blacking Co., 15 Sherman, Boston, Mass.
Conley, T. F., tubular boilers, Tiffin, Ohio.
Conley Tinfoil Co., 521 W. 25th, New York.
Conlin & Co., crushed stone, crushed marble, marble-dust, Tuckahoe, N. Y.

Conlin, J. C., mill & fcty. & steam fitters' supplies, 361 Washington, Providence, R. I.
Conlin & Roberts, cornices & skylights, 414 Natoma, San Francisco, Cal.
Conlin, Thos., Plumbing & Htg. Co., 3978 Cottage Grove av, Chicago, Ill.
Conlon & Co., masons' & bldrs. matls., 270 Provost, Jersey City, N. J.
Conlon, Jas. W., stone, Av A & 68th, New York.
Conlon, John J., sashes, doors & blinds, Hannibal, Mo.
Conlon, Wm. J., brass fndrs., Albany, N. Y.
Conly Bros., masons' & bldrs.' matls., Wilmington, Del.
Conly, J. A., Button Co., 116 N. State, Chicago, Ill.
Conn, Chas. G. (Ltd.), musical instruments, Elkhart, Ind.
Conn-De Visser Co., mill & facty. supplies, Detroit, Mich.
Connally, Walter & Co., mill & facty. supplies, Tyler, Tex.
Connaughton, John P., tubular boilers, 540 S. Capitol av, Indianapolis, Ind.
Conneaut Can Co., Conneaut, Ohio.
Conneaut Leather Co., Conneaut, Ohio.
Conneaut Metal Wks., portables, aeroplanes, Conneaut, Ohio.
Conneaut Shovel Co., Conneaut, Ohio.
Conn. Adamant Plaster Co., New Haven, Conn.
Conn. Aircraft Co., aeroplanes, New Haven, Conn.
Conn. Blower Co., Inc., The, fans, blowers, dust collectors, etc., 133-39 Sheldon, Hartford, Conn.
Conn. Box Co., New Haven, Conn.
Conn. Brass Fdry. Co., Waterbury, Conn.
Conn. Brass & Mfg. Corp., brass sheets & bars, West Cheshire, Conn.
Conn. Chain Co., sash chain, 236 Middle, Bridgeport, Conn.
Conn. Clasp Co., machsts., Bridgeport, Conn.
Conn. Concrete Co., 185 Church, New Haven, Conn.
Conn. Cord Iron Corp., Norwich, Conn.
Conn. Dynamo & Motor Co., Irvington, N. J.
Conn. Elec. Mfg. Co., enclosed fuses, Conn. av, Bridgeport, Conn.
Conn. Elec. Steel Co., Inc., elec. steel castings, tool steel & welding rods, 540 Flatbush av, Hartford, Conn.
Conn. Engineering & Contrg. Co., Norwich, Conn.
Conn. Fat Rendering & Fertilizing Corp., tallow mfrs,. New Haven, Conn.
Conn. Fireworks Co., West Haven, Conn.
Conn. Glue Co., Danbury, Conn.
Conn. Hassain Paving Co., 902 Chapel, New Haven, Conn.
Conn. Lime Co., Lee, Mass.
Conn. Marine Boiler Wks., Bridgeport, Conn.
Conn. Metal Treating Co., Inc., case hardening, steel heat treating, etc., Bridgeport, Conn.
Conn. Mills Co., canvas & cotton duck, Danielson, Conn.
Conn. Oil Co., Waterbury, Conn.
Conn. Quarries Co., stone p'ducers, trap rock, New Haven, Conn.
Conn. Sash & Door Co., 248 Park, New Haven, Conn.
Conn. Shock Absorber Co., Meriden, Conn.
Conn. Steam Brownstone Co., Portland, Conn.
Conn. Steel & Wire Co., auto. trunk racks, Hartford, Conn.
Conn. Tele. & Elec. Co., fire alarms, elec. bells, etc., Meriden, Conn.
Conn. Turbine Mfg. Co., New London, Conn.
Conn. Valley Lumber Co., 147 Milk, Boston, Mass.
Conn. Valley Mfg. Co., bits, boring tools & gas engines, Centerbrook, Conn.
Conn. Valley Orchard Co., fertilizer, Berlin, Conn.
Conn. Web & Buckle Co., Bridgeport, Conn.
Conneen Constr. Co., 10 So. 18th, Philadelphia, Pa.
Connell & Dengler Mach. Co., siding saw machy., Rochester, N. Y.
Connell, Geo. E., architect, Newport News, Va.
Connell, J., architect, 208 9th, Hoboken, N. J.
Connellsville Central Coke Co., Empire Bldg., Pittsburgh, Pa.
Connellsville Coal & Coke Co., Connellsville, Pa.
Connellsville Constr. Co., Connellsville, Pa.
Connellsville Garbage & Fertilizer Co., Connellsville, Pa.
Connellsville Iron Wks., machsts. & fndrs., Connellsville, Pa.
Connellsville Mach. & Car Supply Co., Connellsville, Pa.
Connellsville Mfg. & Mine Supply Co., Connellsville, Pa.
Connellsville Mutual Coke Co., Scottdale, Pa.
Connelly, Arthur, architect, 46 Breitnall pl, Newark, N. J.
Connelly Bros., mill & facty. supplies, Buffalo, N. Y.
Connelly, D., Boiler Co., Ivanhoe rd & N. Y. & St. L. R. R., Cleveland, Ohio.
Connelly, F. B., Co., machinery dealers, 423 North Broadway, Billings, Montana
Connelly Glass Co., window glass mfgrs., Caney, Kan.
Connelly Hardwood Lbr. Co., 180 Indiana av, Kansas City, Mo.
Connelly Iron Sponge & Governor Co., 227 Fulton, New York.
Connelly, J., Constr. Co., Leader-News Bldg., Cleveland, Ohio.
Connelly, Joseph L. Co., contractors, 133 W. Washington, Chicago, Ill.
Connelly, P., contractor, 13 E. Hamilton pl, Jersey City, N. J.
Connelly, P. F., contr., Little Rock, Ark.
Connelly, Thos., cement sewer pipe, 118 N. La Salle, Chicago, Ill.
Conner, Chas. H., & Co., tin plate, metals, etc., Louisville, Ky.
Conner & Hunt, machsts., 566 Folsom, San Francisco, Cal.
Conner, J. W., & Son, agricultural implements, Orangeville, Pa.
Conner Millwork Co., sash, door & blind, Trenton, N. J.
Conner, Theodore, architect, Erie Bldg., Cleveland, Ohio.
Conners Bros. Co., contractors, masons' & bldrs. matls., Lowell, Mass.

Connersville Blower Co., Connersville, Ind.
Connersville Buggy Co., Connersville, Ind.
Connersville Lbr. Co., Connersville, Ind.
Connery & Co., steel plate work, cylinders, tanks, etc., 2d Luzerne, Philadelphia, Pa.
Connery Mach. & Tool Co., workers of spec. machy., jigs, f tures, etc., 56 Harrison av, Springfield, Mass.
Connewango Refining Co., lubricating oils & greases, Warren,
Connley, J. H., brick, Berlin, Conn.
Connolly Bros., contractors, Beverly Farms, Mass.
Connolly, Jas., contractors, 355 Rivington, New York.
Connolly, M. T., Contrg. Co., 238 17th, Jersey City, N. J.
Connolly Mfg. Co., ovens, 123 Liberty, New York.
Connolly Steel Casting Co., Chelsea, Mass.
Connolly, Walter, & Co., mill & facty. supplies, Tyler, Texas.
Connolly, Wm. H., Co., contractors, 196 Market, Newark, N.
Connor Fdry. Co., Grand Rapids, Mich.
Connor, Francis, pianos, 343 Lexington av, New York.
Connor & Groger, Inc., lbr., Everett, Wash.
Connor Hdwe. Co. (Ltd.), cornices, Plymouth, Mich.
Connor, I. W., Co., masons' & bldrs. matls., Wayne, Pa.
Connor, Jas., contractor, 1317 Arch, Philadelphia, Pa.
Connor Lbr. & Land Co., Laona, Wis.
Connor, M. A., plumbers' specialties, Lockport, N. Y.
Connor, Martha L., stone producers, Walton, N. Y.
Connor & Poriss, Inc., contrs., Hartford, Conn.
Connor, R., Co., lumber, ties, poles & posts, Marshfield, Wis.
Connor, S. A., & Son, contrs., Newton, Ill.
Connor, Thos., contractor, 3329 N. 5th, Philadelphia, Pa.
Connor, W. B., Inc., feed water pumps & heaters, 90 W New York.
Connors & Fitlin, contrs., Orange, N. J.
Connors, J. C., contrs., Schenectady, N. Y.
Connors-Weyman Steel Co., Birmingham, Ala.
Connors, Wm., Paint Mfg. Co., mfrs., Troy, N. Y.
Conolly, Hy., Co., loose leaf devices, Rochester, N. Y.
Conococheague Brick & Earthenware Co., Williamsport, Md.
Conover, Allan D., architect, Madison, Wis.
Conover Bros., masons' & bldrs. matls., Orange, N. J.
Conover, J. Hallam, architect, 114 Liberty, New York
Conover, Warren H., architect, 114 Liberty, New York.
Conquest, P. L., & Son, ties, poles & posts, Amer. Nat'l B Bldg., Richmond, Va.
Conrad Bros., 682 Commerce, Milwaukee, Wis.
Conrad, Earl W., carriages, Warsaw, Ind.
Conrad, Edw. J., lbr., Lisbon, N. H.
Conrad, Frank J., machsts., Toledo, Ohio.
Conrad Iron Works, machsts. & fndrs., Boyne City, Mich.
Conrad, J. B., & Son, contrs., 1028 National av, Milwaukee,
Conrad, John, & Co., corn brooms, Everett, Mass.
Conrad, Jno. F., Co., cleanouts, Elizabeth, N. J.
Conrad, Krammerer Glue Co., New Albany, Ind.
Conrad Piano Mfg. Co., 181 3d, Milwaukee, Wis.
Conrad, Wm. J., masons' & bldrs. matls., Marysille, Ohio.
Conrad Wood Preserving Co., shingle stain, paints, etc., Plymouth av, Minneapolis, Minn.
Conradis, August, contractor, Magee Bldg., Pittsburgh, Pa
Conrady, M. J., contrs., 475 Greenwich, New York.
Conran Standpipe Co., 305 Pearl, New York.
Conrey, D. L., Furniture Co., book cases, Shelbyville, Ind.
Conrey-Davis Mfg. Co., medicine cabinets, sewing tables, She ville, Ind.
Conron-McNeal Co., ice skates, Kokomo, Ind.
Conron, Thos., Hdwe. Co., Danville, Ill.
Conrow, H. S., architect, Schweiter Bldg., Wichita, Kans.
Conroy-Pfugh Co., plate glass mirrors, 1430 Western av, P burgh, Pa.
Conshohocken Stone Quarry, mill & facty. supplies, Con hocken, Pa.
Considine, Norbert A., envelope & paper pulp mills, N American Bldg., Philadelphia, Pa.
Consolidated Belting Co., 3108 Germantown av, Philadel Pa.
Consolidated Boat Store Co., mill & facty. supplies, 56 M Cincinnati, O.
Consolidated Brick Co., Horseheads, N. Y.
Consolidated Car Fender Co., trolley car fenders & brushes, mfrs., Foot Vale, Providence, R. I.
Consolidated Car Heating Co., heaters, signals, etc., Albany,
Consolidated Carpet Sewing Mach. Co., Bridgeport, Conn.
Consolidated Chemical Co., Kane, Pa.
Consolidated Coal Co., Buxton, Iowa
Consolidated Coal Co. of St. Louis, 1155 Ry. Exchange Louis, Mo.
Consolidated Coke Co., Oliver Bldg., Pittsburgh, Pa.
Consolidated Color & Chemical Co., 122 Hudson, New York.
Consolidated Construction Co., 827 Law Bldg., Indiana Ind.
Consolidated Constr. Co., 34th & Bowman, Philadelphia, P
Consolidated Dental Mfg. Co., 130 Washington pl, New Yo
Consolidated Dressed Beef Co., meat packers, 30th & Philadelphia, Pa.
Consolidated Electric Lamp Co., incandescent electric l carbon & tungsten mfrs., Danvers, Mass.
Consolidated Elec. Mfg. Co., panel board cabinets, 223 N. Phila., Pa.
Consolidated Electric & Mfg. Co., machsts. & fndrs., Ass tion, Ill.

lidated Elec. Sign Co., 115 N. Desplaines, Chicago, Ill.
lidated Engine Stop Co., 133 W. 19th, New York.
lidated Engng. Co., contractors & engineers, Calvert Bldg., altimore, Md.
lidated Engineering Co., heating contractors, 507 W. ackson, Chicago, Ill.
lidated Eng. Co., elec. power machy. & switchboards, acksonville, Fla.
lidated Engng & Constr. Co., 622 E. McMillan, W. H., Cinnnati, Ohio.
lidated Expanded Metal Co., Rankin, Pa.
lidated Filters Co., 136 W. 65th, New York.
lidated Fireworks Co., 22 Park pl, New York.
lidated Fruit Jar Co., sheet metal products, New Brunsick, N. J.
lidated Fuel & Lumber Co., Ishpeming, Mich.
lidated Gas & Elec. Co., 554 Lake, Chicago, Ill.
lidated Gas & Gasoline Engine Co., 202 Fulton, New York.
lidated Indiana Coal Co., masons' & bldrs.' matls., Merhants Bank bldg, Indianapolis, Ind.
lidated Iron Wks., machsts., Hoboken, N. J.
lidated Knitting & Spinning Mills, lumbermen's socks, eading, Pa.
lidated Lamp & Glass Co., Corapolis, Pa.
lidated Lamp & Glass Co., 66 West, New York.
lidated Lumber Co., Stillwater, Minn., Los Angeles, Cal., Manistique, Mich.
lidated Machy. Exchange, machy. dlrs., 201 Mulberry, lewark, N. J.
lidated Machy. & Wrecking Co., 140 Nassau, New York
lidated Mfg. Co., auto. forgings & tubing, Toledo, Ohio.
lidated Mfg. Co., ice cream freezers, Hartford, Conn.
lidated Mfg. Co., hose cleaners, 54 Belmont av, Newark, . J.
lidated Mfg. Co., metal spinning, Dayton, Ohio.
lidated Marble & Stone Co., Carthage, Mo.
lidated Milling Elevator & Power Co., flour, Chippewa 'alls, Wis.
lidated Naval Stores Co., Jacksonville, Fla.
lidated Oil Refining Co., gasoline, Boatman's Bank Bldg., t. Louis, Mo.
lidated Pacific Cement Plaster Co., Amboy, Cal.
lidated Packing & Supply Co., 21 Barclay, New York.
lidated Phosphate Co., Columbia, Tenn.
lidated Pipe Co., 2440 E. 9th, Los Angeles, Cal.
lidated Products Co., machy. dlrs., 15 Park Row, New ork.
lidated Pump Co., extension ladders & pumps, Toledo, O.
lidated Ry. Elec. Light'g & Equipt. Co., 61 B'way, lew York.
lidated Railway & Mill Supply Co., mill & facty. supps., 27 S. La Salle, Chicago, Ill.
lidated Rendering Co., bone dlrs., oleo oils, etc., 40 N. farket, Boston, Mass.
lidated Rolling Mills & Foundries Co., Inc., 25 Broad, ork
lidated Rosendale Cement Co., 50 Church, New York.
lidated Rubber Co., plumbers' goods, Trenton, N. J.
lidated Rubber Tire Co., 200 W. 57th, New York.
lidated Safety Pin Co., clips (paper, fountain pen), Bloomeld, N. J.
lidated Safety Valve Co., 119 W. 40th, New York.
lidated Saw Mills Co., lbr. mfrs., Arcade bldg., St. Louis, lo.
lidated Sheet Metal Works, metal doors, windows, etc., 61 Hubbard, Milwaukee, Wis.
lidated Stamp Mfg. Co., 87 Maiden la, New York.
lidated Stone Co., Bedford, Ind.
lidated Stone & Mining Co., crushed, 307 5th av, Pittsurgh, Pa.
lidated Telegraph & Electrical Subway Co., 54 Lafayette, lew York.
lidated Time Lock Co., 2268 Spring Grove, Cincinnati, O.
lidated Tramway Co., machsts. & fndrs., Roanoke, Va.
lidated Utilities Corp., elec. lgt. plants, 730 S. Michigan, hicago, Ill.
lidated Water Power & Paper Co., Grand Rapids, Wis.
lidated Wheatland Plaster Co., Caledonia, N. Y.
lidated Window Glass Co., Bradford, Pa.
lly, Robert G., architect, 114 N. Montgomery, Trenton, . J.
lva & Overmeyer, contractors, Norfolk, Va.
able, Arnold S., architect, Seaboard bldg., Seattle, Wash.
able Bros. Co., contractors, Erie, Pa.
able, Robt. S., contractor, Youngstown, Ohio.
ance Lumber Co., Mansfield, Ohio.
ant, B. S., Mfg. Co., machy. dealers, machsts. & fndrs., rain machy., Bloomington, Ill.
ant, C. L., Co., metallurgical engrs., 42 New, New York.
ant, P. J., contractor, 277 B'way, New York.
antin Refining Co., petroleum, Tulsa, Okla.
antine Board & Paper Co., Constantine, Mich.
antine Casket Co., Constantine, Mich.
antine Construction Co., 240 Dewey av, Buffalo, N. Y.
antine Milling Co., flour, Constantine, Mich.
ine, Carl, & Son, lbr., Peshtigo, Wis.
ltution Stone Co., Constitution, Ohio.

Construction & Engineering Co., 1047 Folsom, San Francisco, Cal.
Construction Service Co., 15 William, New York.
Consumer Glue Co., 176 Federal, Boston, Mass.
Consumers' Ammonia Mfg. Co., Camden, N. J.
Consumers' Box Board & Paper Co., Lititz, Pa.
Consumers' Box Mfg. Co., packing box mfrs., 925 Halsted, Chicago, Ill.
Consumers' Chemical Corp., 120 B'way, New York.
Consumers' Coal & Supply Co., masons' & bldrs.' matls., Asbury Park, N. J.
Consumers' Coal & Supply Co., masons' & bldrs.' matls., Elkhart, Ind.
Consumers' Cotton Oil Mills, 39 S. La Salle, Chicago, Ill.
Consumers Fuel Co., bituminous coal mine, Chamber of Commerce bldg., Pittsburgh, Pa.
Consumers' Fuel & Building Supply Co., Lima, Ohio.
Consumers' Lumber & Veneer Co., Apopka, Fla.
Consumers' Monument Co., Ball Ground, Ga.
Consumers' Power Co., 226 Main, Jackson, Mich.
Consumers' Refining Co., lubricating oils, etc., 76 W. Monroe, Chicago, Ill.
Consumers' Rubber Co., packing mfrs., 829 Superior av, Cleveland, Ohio.
Consumers' Salt Co., Los Angeles, Cal.
Contact Process Co., chemicals, Buffalo, N. Y.
Contentnea Guano Co., Wilson, N. C.
Contessa, Vita, contractor, 311 E. 119th, New York.
Contey, Frank, scrap iron, rubber, 451 Whiton, Jersey City, N. J.
Contey, Frank M., scrap iron, 317 Grand, Jersey City, N. J.
Conti Bros., granite producers, Milford, N. H.
Continental Aircraft Corp., 120 Liberty, New York.
Continental Asbestos Corp., 7 Summer, Worcester, Mass.
Continental Bedding Co., cotton felt mattresses, 86 Beverly, Boston, Mass.
Continental Bedding Mfg. Co., 1636 Bryant, San Francisco, Cal
Continental Boiler & Sheet Iron Wks., 1218 S. Vandeventer av, St. Louis, Mo.
Continental Bolt & Iron Wks., 2225 W. 43d, Chicago, Ill.
Continental Brass & Foundries Co., stoves, 21 S. 4th, St. Louis, Mo.
Continental Brick Co., Wright Bldg., St. Louis, Mo.
Continental Bridge Co., derricks, steel structural work, & contrs., Peotone, Ill.
Continental Can Co., cans & can closing machines, Syracuse, N. Y.
Continental Car Co. of Amer., Louisville, Ky.
Continental Chemical Co., boiler compounds, 119 S. 4th, Philadelphia, Pa.
Continental Co., screens, ventilators, etc., Book bldg., Detroit, Mich.
Continental Condensed Milk Co., Mill Hall, Pa.
Continental Constr. Co., Nat'l. Bank of Commerce Bldg., St. Louis, Mo.
Continental Contracting Co., Kearns Bldg., Salt Lake City, Utah.
Continental Elec. Co., metal specialties, brass nuts, screws, washers, binding, posts, etc., 1883 Park av, New York.
Continental Felt Co. 66 E. 11th, New York.
Continental Fibre Co., Newark, Del.
*See adv index at end of book*
Continental File Corp., Anderson, Ind.
Continental Gin Co., cotton ginning machy., Birmingham, Ala.
Continental Grate Co., Exchange Bldg., Boston, Mass.
Continental Heater Co., Dunkirk, N. Y.
Continental Iron & Steel Co., 2 Rector, New York.
Continental Iron Works, corrugated furnaces, welded cylinders, pipes, annealing pots, digesters, etc., West & Calyer, Brooklyn, N. Y.
Continental Knitting mills, sweaters, cardigans, etc., 860 Flushing av, Brooklyn, N. Y.
Continental Latch Needle Co., 120 Liberty, New York.
Continental Lbr. Co., Houston, Tex.
Continental Mach. & Fdry Co., grey iron & semi-steel, 175 W. Jackson Blvd., Chicago, Ill.
Continental Mach. Wks., Oakland, Cal.
Continental Metal Co., bearing, 57-61 Richards, Brooklyn, N. Y.
Continental Mfg. Co., disinfectants & furn. polish, Indianapolis, Ind.
Continental Mfg. Co., glue mfrs., 4611 Girard, Phila., Pa.
Continental Marble & Granite Co., Canton, Ga.
Continental Mexican Petroleum Co., 71 B'way, New York
Continental Mills, cotton sheetings, Lewiston, Me.
Continental Motor Mfg. Co., machsts., Muskegon, Mich.
Continental Oil Co., Denver, Colo.
Continental Paint & Mfg. Co., Cleveland, Ohio.
Continental Paper Bag Co., paper bag mfrs., 18 E 40th, New York.
Continental Paper Co., Bogota, N. J.
Continental Piling & Lumber Co., 112 W. Adams, Chicago, Ill.
**CONTINENTAL PIPE MFG. CO.,** Seattle, Wash.
*See adv index at end of book*
Continental Piston Ring Co., Memphis, Tenn.
Continental Portland Cement Co., cement mfrs., Arcade bldg., St. Louis, Mo.
Continental Prods. Co., cements, enamels, paints, etc., Quebec av, Cleveland, Ohio.

Continental Refining Co., Oil City, Pa.
Continental Rubber Works, cups, buckets, hose, etc., Erie, Pa.
Continental Sales Display Corp., elec. illuminated signs, 110 W. 40th, New York.
Continental Salt & Chemical Co., 16 California, San Francisco, Cal.
Continental Shipbuilding Corp., 103 Park av, New York.
Continental Steel & Supply Co., nails, Fulton Bldg., Pittsburgh, Pa.
Continental Sugar Co., Toledo, Ohio.
Continental Supply Co., oil & gas well supplies, 1139 Olive, St. Louis, Mo.
Continental Tie & Lumber Co., Denver, Colo.
Continental Truck Mfg. Co., Superior, Wis.
Continental Varnish Co., Newark, N. J.
Continental Wood Screw Co., saw grinders & screws, New Bedford, Mass.
Continuous Castings Corp. See Continuous Rolling Mills, Inc. (successors)
Continuing Rolling Mills, Inc., brass & copper rods & tubing, Garwood, N. J.
Contoocook Valley Paper Co., West Henniker, N. H.
Contra Costa Construction Co., Berkeley, Cal.
Contra-Pole Elec. Co., Inc., 1241 Prospect pl., Brooklyn, N. Y.
Contracting & Material Co., 10 S. La Salle, Chicago, Ill.
Contracting & Supply Co., masons' & bldrs.' matls., 816 Olive, St. Louis, Mo.
Contractor (The), trade publication, 37 W. Van Buren, Chicago, Ill
Contractors' Casting & Mach. Co., 743 Hertel av, Buffalo, N. Y.
Contractors' Equipment Co. See Clyde Equipment Co. (successor)
Contractors' Equipment & Supply Co., mill & facty. supplies, Oliver Bldg., Pittsburgh, Pa.
Contractors' Machy. Exchange, 38 Stanford, San Francisco, Cal.
Contractors' Machy. & Supply Co., mills & facty. supplies, Wabash Bldg., Pittsburgh, Pa.
Contractors' Supply Co., masons' & bldrs.' matls., Marion, Ind.
Contractors' Trading Co., contractors' tools & supplies, 232 Fulton, New York.
Contrexeville Mfg. Co., plushes, Manville, R. I.
Conver, S. S., architects, Lansdale, Pa.
Converse Bridge & Steel Corp., Chattanooga, Tenn.
Converse, D. E., Co., cotton sheetings, Glendale, S. C.
Converse, Emil P., contractor, Massillon, Ohio.
Converse, F. S., Co., rotary screens, Johnson City, N. Y.
Converse, H. P., & Co., contractors, 88 Broad, Boston, Mass.
Converse, M. E., & Son, toys, games & nov., Winchendon, Mass.
Converse Rubber Shoe Co., Malden, Mass.
Convertible Ratchet Wrench Co., Allentown, Pa.
Convery, N. J., architect, 22 Central av, Newark, N. J.
Convery's, John P., Sons, masons' & bldrs.' matls., Newburgh, N. Y.
Conveying Weigher Co., 90 West, New York.
Conway Clutch Co. (The), friction clutches, 2507 Beekman, Cincinnati, O.
Conway Cotton Oil & Gin Co., Conway, Ark.
Conway Iron Wks., Conway, S. C.
Conway, John J., Co., shears & scissors, Bridgeport, Conn.
Conway, J. P., machst. & fndr., Winchester, Ky.
Conway, J. W., founder, Hartford, Conn.
Conway, L. Eugene, architect, New London, Conn.
Conway L'br. Co., textile machy., supplies, etc., Conway, N. H.
Conway Lumber Co., Fort Dodge, Ia.
Conway, Martin, contractor, New Brunswick, N. J.
Conway, Merritt C., architect, 211 Furnam, Syracuse, N. Y.
Conway, R. F., Co., contractors, 133 W. Washington, Chicago, Ill.
Conway Stove Co., mfrs., Bellevue, Ohio.
Conway Veneered Door & Mantel Co., 2019 St. Paul, Milwaukee, Wis.
Conway, W. J., architect, 400 Union, Brooklyn, N. Y.
Conway, Wm., brick, 5800 Walnut, Philadelphia, Pa.
Conway, Wm. A., wholesale hdwe., 626 Forrest, Baltimore, Md.
Conway, Wm. H., architect, 104 E. Side sq., Springfield, Ill.
Conwell & Co., ties, poles, etc., Milton, Del.
Conwoy Towboat Co., Covington, Ky.
Conyers Walter P., contr., Glen Ellyn, Ill.
Cook, A. D., machst. & fndr., Lawrenceburg, Ind.
Cook, A. E., & Co., elec. contrs., Meriden, Conn.
Cook, A. J., & Co., masons' & bldrs.' matls., Memphis, Tenn.
Cook, Anderson, Co., masons' & bldrs.' matls., Beaver, Pa.
Cook, Asa S. Co., wood screw making machy. mfrs., Hartford, Conn.
Cook, Barron C., Chemical Mfg. Co., Charlotte, N. C.
Cook Bros. Pottery Co., Gadsden, Ala.
Cook & Brown Lime Co., Oshkosh, Wis.
Cook, C. A., Co. See Reliance Spring & Mfg. Co. (successors)
Cook, C. J., Co., 275 16th, Portland, Ore.
Cook, C. Lee, Mfg. Co., machsts., mtlc. packing, etc., Louisville, Ky.
Cook Cane Mill & Evaporator Co., sugar evap. & mills, 200 N. 2d, St. Louis, Mo.
Cook Car Journal Cooler Co., machsts. & fndrs., Flint, Mich.
Cook Carriage Co., Bloomville, Ohio.
Cook, Chas. K., Co., advtg. novelties, 211-213 S. 2d, Camden, N. J.
Cook & Chick Co., mill & facty. supplies, 18 E. Kinzie, Chicago, Ill.

Cook, Clinton B., architect, Asbury Park, N. J.
Cook & Coburn, dowels, West Fairlee, Vt.
Cook & Cokefair, lubrg. oils, 306 Pearl, New York.
Cook Const. Co., Gilfillan Blk., St. Paul, Minn.
Cook & Corswandt, elec. & gas light fixtures, 20 E. La Chicago, Ill.
Cook, E. C., & Bro., contractors' tents, 1312 Arthington, C cago, Ill.
Cook, Ernest L., common brick, Bridgewater, Mass.
Cook, F. A., & Son, 127 W. 40th, New York.
Cook, F. B., testing clamps, 162 N. Clinton, Chicago, Ill.
Cook, F. D., L'br. Co., Nashua, N. H.
Cook, F. H., & Co., machsts. & fndrs., Leominster, Mass.
Cook, Frank B., Co., telephones, 326 W. Madison, Chicago, Il
Cook, Fred, lumber, Dunn, La.
Cook & Genung Co., masons' & bldrs.' matls., 16 Jersey, Newa N. J.
Cook, Geo., contr., Plattsburg, N. Y.
Cook, H. C., Co., machinists, Ansonia, Conn.
Cook, Harold I., architect, Dun bldg., Buffalo, N. Y.
Cook, H. N., Belting Co., 461 Howard, San Francisco, C
Cook, H. R., cornices & skylights, Wilmington, Del.
Cook Iron Store Co., mill & facty. supplies, Rochester, N. Y
Cook, J. C., cornices, Greenville, S. C.
Cook, J. W., common brick, Poneto, Ind.
Cook, J. W., & Sons, lbr., mason matrls., saw & planing mi Platea, Pa.
Cook, Jas. M., lbrmen's socks, Somerset, Pa.
Cook, John, & Son, contractors, Brookline, Mass.
Cook, John, & Son, willow ware, 219 N. 10th, Reading, Pa.
Cook, L. D., Co., masons' & bldrs.' matls., Boundbrook, N. J.
Cook & Laurie Gravel Co., Montgomery, Ala.
*See adv. index at end of book.*
Cook-Lewis Fdry. Co., Greensboro, N. C.
Cook, M. D. L., contractor, Little Rock, Ark.
Cook Milling Co., flour, Melvane, N. C.
Cook Motor Co., Delaware, Ohio.
Cook, Norman W., architect, 5665 Ridge av, Chicago, Ill.
Cook, O. S., & Sons Co., packing box mfrs., Fitchburg, Mass
Cook & Parker, whip mfrs., Westfield, Mass.
Cook Pottery Co., insulators, porcelain specialties,, etc., Tr ton, N. J.
Cook-Rankin-Wyckoff, architects, 112 W. 9th, Los Angeles, C
Cook & Ripley, contractors, Schenectady, N. Y.
Cook, Robt. Allen, architect, Milford, Mass.
Cook, Simon Co., scrap iron, Wabash, Ind.
Cook & Smith, sash, door & blind mfrs., Redwood, N. Y.
Cook Spring Co., 420 E. 106th, New York.
Cook Standard Tool Co., cattle guards, Kalamazoo, Mich.
COOK & SWAN CO., INC., animal, fish & vegetable oils, Front, New York. *See adv. index at end of book.*
Cook, Thos. W. G., presses, 83 Walker, New York.
Cook, Walter, architect, 3 W. 29th, New York.
Cook-Watkins & Co., granite producers, 223 Columbus Boston, Mass.
Cook, Wm. F., Supply Co., stone prod., 184 State, Springfi Mass.
Cook, Wm. H., contrs., Rockford, Ill.
Cook, Wm. P., & Co., ties, Jacksonville, Fla.
Cooke, F. E., mason's & bldrs'. matls., Fredonia, N. Y.
Cooke, J. P., Co., stamps—rubber, steel—Omaha, Neb.
Cooke, Jno. K., & Son, Inc., steel structural work, Athenia, N
Cooke, Jos. S., electroplating, 20 Jacob, New York.
Cooke Wilson Electric Supply Co., mfrs. agents, Imperial Po Bldg., Pittsburgh, Pa.
Cookeville Roller Mills, flour, Cookeville, Tenn.
Cook's, A., Sons Co., lumber, Cooksburg, Pa.
Cook's, Adam, Sons, lubrg. oils, 708 Washington, New York.
Cooks' Linoleum Co., Trenton, N. J.
Cook's Lbr. Co., Laconia, N. H.
Cookson, Walker & Callahan, naval architects & ship bldrs., Pedro, Cal.
Cool Spring Canning Co., Cool Spring, Del.
Coolbaugh, C. C., & Son, lumber mfrs. & wholesale dlrs., 19t Cambria, Philadelphia, Pa.
Cooledge, F. J., & Sons, enamels, paints, Atlanta, Ga.
Cooley, A. E., & Co., steam fitters' supplies, Canandaigua, N
Cooley Bros. Lbr. Co., Mize, Miss.
Cooley, C. D., architect, Jones Law bldg., Pittsburgh, Pa.
Cooley, C. D., Co., architect, 41 Park row, New York; Ak Ohio, & Kansas City, Mo.
Cooley, C. F., masons' & bldrs. matls., Madison, Wis.
Cooley Mfg. Co., carpet beaters, 551 W. Monroe, Chicago, Il
Cooley Mfg. Co., cheese boxes, West Bend, Wis.
Cooley Mfg. Co., packing mfrs., 98 Park pl, New York.
Cooley & Son, masons' & bldrs. matls., Montrose, Pa.
Cooley & Trevor Mfg. Co., machsts., Hartford, Conn.
Cooley Wright Mfg. Co., machsts. & fndrs., gas engines, Wa bury, Vt.
Coolidge & Carlson, architects, 89 State, Boston, Mass.
Coolidge Carriage Co., Woodville, Mass.
Coolidge & Hodgdon, architects, 134 S. La Salle, Chicago, Il
Coolidge, L. H., Co., naval architects, Seattle, Wash.
Coolidge, Roger E., mill engineer, Southbridge, Mass.
Coolidge & Schussler, lumber, Metropolitan Life Bldg., Mi apolis, Minn.
Coolidge & Shattuck, architects, Ames Bldg., Boston, Mass.
Cooling Carriage Co., Wilmington, Del.

g Tower Co., 15 John, New York.
s, Harry S., architect, Lewiston, Me.
s, R. D., & Co., steel struct'd work, 30 Church, New York
s, Wm. A., Milling Co., flour, Coldwater, Mich.
r & Small Co., contractors, Sioux City, Ia.
y-Dunn Co., mill & facty. supplies, 72 Grand, New York.
y, Eckstein & Co., lbr., 66 Broad, New York.
y, John H., heating contractor, Harrison, N. J.
y & Smith, mattresses, Saginaw, Mich.
y Mfg. Co., machsts. & fndrs., Cicero, Ill.
r, A. A., Wagon & Buggy Co., Dubuque, Iowa.
r, A. P., architect, Uniontown, Pa.
r, A. & W., masons' & bldrs. matls., 1318 Gratiot av, etroit, Mich.
r, B., & Son, coppersmiths, 923 E. Baltimore, Baltimore, ld.
r & Beckbissinger, architects, Saginaw, Mich.
r-Bell Varnish Co., 2606 Federal, Chicago, Ill.
r Brick Co., Akron, Ohio.
r Bros., machsts. & fndrs., Cortland, N. Y.
r, C. & G., Co., machinists, Mount Vernon, Ohio.
r, C. M., ties, poles & posts, Paintsville, Ky.
r, Chas., & Co., chemicals, 194 Worth, New York.
r, Chas. (Est. of), knitting & textile machs., etc., Bennington, Vt.
r, Chas. S., contractor, 20 Clinton av, Newark, N. J.
r & Co., masons' & bldrs. matls., Belfast, Me.
r & Cooper, chemicals, 23 Cliff, New York
r, Dyer, machst., 615 N. Galloway, Philadelphia, Pa.
r, E. B., contractor, Lumber Exch., Minneapolis, Minn.
r, E. C., ties, Wilton, Ark.
r, E. N., & Co., machst. & fndr., Harrisburg, Pa.
r, F. A., architect, Conn. Nat'l Bk. Bldg., Bridgeport, Conn.
r Flexible Transmission Co., Inc., universal joints, 8th av 18th, Brooklyn, N. Y.
r, Francis W., architect, Pueblo, Colo.
r, Frank Irving, Corp., architects, 33 Cornhill, Boston, ass.
r, Frank N., contractor, Penobscot bldg., Detroit, Mich.
r, Geo. R., lbr., St. Regis, Mont.
r, George S., architect, 1313 G, N. W., Washington, D. C.
r, Geo. W., shingle stains, Denver, Colo.
r, Gustave A., architect, 75 Whitestone, Flushing, N. Y.
r, H. W., Saddlery Hardware Mfg. Co., Moline, Ill.
r, Harry, Supply Co., plumbers', jobbers' & steam fitters' upplies, Springfield, Mo.
r Heater Co., Carlisle, Pa.
r Hewitt Electric Co., electric lamps for illumination of ndustrial plants & for photography, Hoboken, N. J.
r Hose Mender Co., 8th & Grand, Providence, R. I.
r, Hugh L., & Co., contractors, 101 Park av, New York.
r, J. J., contractor, Andrus Bldg., Minneapolis, Minn.
r, Jas. E., architect, District Nat'l Bank, Washington, . C.
r, J. M., & W. D. Lee, architects, Marsh Strong bldg., os Angeles, Cal.
r, Jno., cupola linings, 111 Clay, Brooklyn, N. Y.
r, John S., & Co., canned goods, Columbia, Del.
r Lumber Co., Columbus, Ga.
r & McKee, refrigerators & water coolers, 119 Lorimer, rooklyn, N. Y.
r Madison Co., refrigeration engrs., Calcium, N. Y.
r Mfg. Co., auto accessories, Marshalltown, Ia.
r, Mark P., masons' & bldrs. matls., Christiana, Pa.
r, Otway, halters & wholesale hdwe., Urbana, Ohio.
r Oven Thermometer Co., oven thermometers & enamel ials, Pequabuck, Conn.
r, P. B., architect, Annapolis, Md.
r Sanitary Mfg. Co., cocks, plumbers' supplies, regulators, alves, etc., 34th & Chestnut, Philadelphia, Pa.
r Spring Co., Leader-News Bldg., Cleveland, Ohio.
r Union, engng. school & coll., Cooper sq, New York.
r, W. J., architect, Boston Bldg., Salt Lake City, Utah.
r, W. S., & Co., contractors, Toronto, Ohio.
r, Wells & Co., lumbermen's socks, St. Joseph, Mich.
r, Wm. J., & Co., sashes, doors & blinds, Camden, N. J.
rative Concrete Constr. Co., molds, Oskaloosa, Ia.
rative Electrical Supply Co., 314 So. Canal, Chicago, Ill.
rative Engng. Co., 50 Church, New York.
rative Enterprise Glass Co., lamp chimneys, North Vernon, Ind.
rative Fertilizer Co., Braselton, Ga.
rative File Co., Lawrence, Mass.
rative Flint Glass Co., Beaver Falls, Pa.
rative Foundry Co., sewer manhole steps, 207 Junction v, Detroit, Mich.
rative Foundry Co., stoves & furnaces, Rochester, N. Y.
rative Furniture Co., book-cases, Rockford, Ill.
rative Machy. Co., mill & facty. supplies, 1227 W. 9th, leveland, Ohio.
rative Plate Window Glass Co., 5914 S. Racine av., Chiago, Ill.
rative Stove Co., Bloomington, Ill.
rative Tin Shop, cornices & skylights, Lafayette, Ind.
rs Creek Chem. Co., toluol & loylol, W. Conshohocken, Pa.
r's, Peter, Glue Factory, Gowanda, N. Y.
rsburg Bending Wks., carriage bodies, Coopersburg, Pa.
rsburg Casket Co., Coopersburg, Pa.

Coos Bay Iron Works, Marshfield, Ore.
Coos Bay Lumber Co., Oakland, Cal.
Coosa Pipe & Fdry. Co., Gadsden, Ala.
Coosa Portland Cement Co., N. Stock Exch. Bldg., Phila., Pa.
Coosa River Fertilizer Co., Wetumpka, Ala.
Coote, Arthur W., architect, 101 Park av, New York
Copalis Lbr. Co., Carlisle, Wash.
Cope, Hy., & Co., fertilizer mfrs., Lincoln University, Pa.
Cope, L. Lynden, architect, Oswego, N. Y.
Cope, L. N., & Son, contractors, Decatur, Ill.
Cope Pattern Works, 41 McDougall, Detroit, Mich.
Cope, T. J., manhole covers, underground tools & equipments, 1620 Chancellor, Philadelphia, Pa.
Copeland Bros. Realty Co., lbr., Tuscaloosa, Ala.
Copeland, G. T., corn poppers, Gloversville, N. Y.
Copeland, H. L., architect, Walla Walla, Wash.
Copeland, Hugh, & Sons, stone producers, Washington & 24th, Philadelphia, Pa.
Copeland-Inglis Shale Brick Co., Birmingham, Ala.
Copeland, J. F., cornices & skylights, Hampton, Va.
Copeman Electric Stove Co., Flint, Mich.
Copenhaver & Maloy, carriages, Denver, Colo.
Coplay Cement Mfg. Co., Copley, Pa.
Copley Bros., cornices & skylights, Riverside, Cal.
Copp, C. W., masons' & bldrs.' matls., James, Flushing, N. Y.
Copp, Geo. W., Co., Inc., curtain fasteners & auto tops, 557 W. 54th, New York.
Coppage Printing & Loose Leaf Co., Inc., 41 Rose, New York
Coppala Ra Faielo, architect, Pennyfield av, New York.
Copper Clad Malleable Range Co., 2nd & Franklin, St. Louis, Mo.
Coppersmith, J. M., machinist, Rockford, Ohio.
Coppes Bros. & Zook, cabinets, Nappanee, Ind.
Coppes, John, architect, Kaukauna, Wis.
Coppock-Warner Lbr. Co., Land Title Bldg., Philadelphia, Pa.
Coppola, D., landscape architect, Echester rd & Pelham Parkway, New York
Copps Bros., bldg. contractors, Madison, Wis.
Coppus Engineering & Equipment Co., turbo blowers, turbo boiler-feed pumps & steam turbines, Worcester, Mass.
Coquard, Leon, architect, 169 First, Detroit, Mich.
Coral Concrete Culv. Mfg. Co., Coral, Mich.
Coral Ridge Clay Products Co., brick & tile, Louisville, Ky.
Corbaley, Chas. W., Co., contractors, H. W. Hellman Bldg., Los Angeles, Cal.
Corbett & Co., clothes dryers, flag poles, ladders, etc., 429 E. 109th, New York.
Corbett, Edw. M., architect, 70 Bedford, Fall River, Mass.
Corbett Ella M., architect, Hayden bldg., Columbus, Ohio
Corbett, F. A., contractor, 148 Sutherland rd, Boston, Mass.
Corbett, Geo. E., & Co., boilers, 1336 Cortland, Chicago, Ill.
Corbett, Geo. W., contractor, 409 10th, N. W., Washington, D. C.
Corbett, J. Knox, Lumber Co., Tucson, Ariz.
Corbett, Lawrence, architect, 129 Weld, Rochester, N. Y.
Corbett Lumber Co., Moultrie, Ga.
Corbett, M. J., & Co., bronze powders, 24 State, New York.
Corbett, M. J., & Co., wood acids & alcohol, Binghamton, N. Y.
Corbett Mill Co., lumber, Anacortes, Wash.
Corbett & Rohe, mill & facty. supplies, Greensburg, Ind.
Corbett-Steeves Pattern Works, Rochester, N. Y.
Corbett & Stuart, wood acids, Binghamton, N. Y.
Corbett, T. R., & Sons, contractors, Woburn, Mass.
Corbett, Wm. H. See Corbett Planing Mill Co. (successors)
Corbin Cabinet Lock Co., New Britain, Conn.
Corbin Disinfecting Co., Front & Walnut, Philadelphia, Pa.
Corbin, E. M., architect, Putnam, Conn.
Corbin & Gulon, machsts., 310 S. Desplaines, Chicago, Ill.
Corbin, P. & F., bldrs. hdwe., New Britain, Conn.
Corbin, P. & F., hdwe., 101 Park av, New York.
Corbin Screw Corp., screws of every description and automatic screw machine products mfrs., New Britain, Conn.
Corbin Supply Co., mill & factory supplies & tools, Macon, Ga.
Corbin, W. S., masons' & bldrs. matls., Gouverneur, N. Y.
Corbitt Buggy Co., Henderson, N. C.
Corbitt Motor Truck Co., Henderson, N. C.
Corbusier, J. W. C., architect, Lennox Bldg., Cleveland, Ohio.
Corby Co., alcohols, Washington, D. C.
Corcoran, A. J., Inc., machsts. & fdrs., tanks, towers, windmills, etc., 745 Jersey av, Jersey City, N. J.
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Corcoran Constr. Co., West Chester, Pa.
Corcoran, J. G., Co., contractors, 4 Smithfield, Pittsburgh, Pa.
Corcoran Mfg. Co., automobile parts, Norwood, Cincinnati, O.
Corcoran Matt & Co., coppersmiths, Louisville, Ky.
Corcoran, P., & Son, packing box mfrs., D., S. Boston, Mass.
Corcoran Supply Co., plumbers', steam & gas fitters' supplies, jobbers, Brockton, Mass.
Corcoran-Victor Co., automobile lamps, etc., Cincinnati, O.
Cord Tire Corp., Chester, W. Va.
Cordage Trade Journal, 81 Fulton, New York.
Cordaville Woolen Co., Cordaville, Mass.
Corddry Co., Inc., sash, door & blind mfrs., Snow Hill, Md.
Cordele Sash, Door & Lumber Co., Cordele, Ga.
Cordes, Ayrault & Co., asphalt shingles, Tonawanda, New York.
Cordes, F. H., Bldg. Co., Union Trust Bldg., Cincinnati, Ohio.
Cordes, H. W., architect, Union Trust Bldg., Cincinnati, Ohio.
Cordes, L. H., & Co., common brick, Watertown, Wis.

Cordesman-Rechtin Co., dado & wood working machy., Butler, Cincinnati, Ohio.
Cordia Tie & Lbr. Co., Potosi, Mo.
Cordingley, W. S., & Son, cotton waste, 229 A. S., Boston, Mass.
Cordis Mills, tickings, Millbury, Mass.
Cordley & Hayes, paper fibre products, 7 Leonard, New York.
Cordner, J. G., architect, Bankers' Life Bldg., Lincoln, Neb.
Cordova Leather Co., 176 Madison av, New York.
Core, W. T., dry docks, Norfolk, Va.
Corey, E., & Co., wholesale hdwe., mill & facty. supplies, 195 Commercial, Portland, Me.
Corey Mach. Co., machsts., Gloversville, N. Y.
Corey-Taylor Constr. Co., Ogden, Utah.
Corey, Wm., Co., textile machy., supplies, etc., Manchester, N. H.
Corinth Machy. Co., Corinth, Miss.
Cork Insert Co., cork insert frictions & tensions, pulleys, brake & clutch facings, 164 Federal, Boston, Mass.
Cork Insulation Co., Jersey City, N. J.
Cork Mfg. Co., 186 Van Brunt, Brooklyn, N. Y.
Cork & Zicha Marble Co., 813 Vernon av, L. I. City, N. Y.
Corken Machy. & Supply Co., mill & facty. supplies, Okla. City, Okla.
Corkery, Jno. J., stone producers, Yonkers, N. Y.
Corkey Bros. Logging Co., lumber, Hoquiam, Wash.
Corkran, Hill & Co., meat packers, Union Stock Yards, Baltimore, Md.
Corlett, W. W., oil & gas well supplies, Knox, Pa.
Corley, J. P., Lumber Co., Manchester, Ga.
Corley Mfg. Co., saw teeth, Chattanooga, Tenn.
Corley, W. C., lumber, Coushatta, La.
Corliss, C. R., & Sons, oiled clothing, Gloucester, Mass.
Corliss Carbon Co., carbon brushes, Bradford, Pa.
Corliss, E. M., Co., gas engines, 314 Brannan, San Francisco, Cal.
Corliss Gas Engine Co., 440 Market, San Francisco, Cal.
Corliss, J., Supply Co., manufacturers agents, 1906 Olive, St. Louis, Mo.
Corliss Mfg. & Supply Co., boiler compounds, belt cements, shoe stains, etc., 1906 Olive, St. Louis, Mo.
Corliss Motor Truck Co., Corliss, Wis.
Corn Belt Tractor Co., traction engines, 2701 Univ. av, S. E., Minneapolis, Minn.
Corn Products Refining Co., food products, 17 Battery pl, New York.
Corneby, F. G., sash, door & blind mfrs., Athens, Pa.
Cornelius, A. B., architect, Lumber Exchange bldg., Seattle, Wash.
Cornelius, A. W., architect, Merchants National Bank Bldg., San Francisco, Cal.
Cornelius, Chas. O., archt., 100 E. 17th, New York.
Cornelius, Henry D., Co., contractors, 3014 Calvelage, Indianapolis, Ind.
Cornelius Mill Furnishing Co., 1119 N. 6th, St. Louis, Mo.
Cornelius, T. Ed., architect, House Bldg., Pittsburgh, Pa.
Cornell Bros., contractors, Tacoma, Wash.
Cornell, Chas. J., glass stainers, 345 W. B'way, New York.
Cornell College, engng. school & coll., Mount Vernon, Ia.
Cornell, D. B. Co., medicines, Gt. Barrington, Mass.
Cornell, Frank T., architect, Grand Central Term., New York.
Cornell Iron Works, iron works, 26th & 11th av, New York.
Cornell, J. N. H., contractor, 29 B'way, New York.
Cornell, J. S., & Son, contractors, 1412 Morris bldg., Phila., Pa.
Cornell, Jos. H., architect, Mott av, Far Rockaway, N. Y.
Cornell Lumber Co., Pleasantville, N. Y.
Cornell-Searl Co., oil well & plumbers' supplies, Lincoln, Neb.
Cornell & Underhill, plumbers, mill & steam fitters' supplies, iron pipe jobbers, Greenwich & Spring, New York.
Cornell University, engng. school & coll., Ithaca, N. Y.
Cornell, W. G., & Co., heating contrs., 45 E. 17th, New York.
Cornell Wood Products Co., wall boards, 190 N. State, Chicago, Ill.
Cornell-Young Co., contractors, Macon, Ga.
Corner, Jas., & Sons, pine tar, E. Falls av & Fawn, Baltimore, Md.
Cornfoot, Wm., mach. & gdr., 28 Abina av, Portland, Ore.
Cornie Stave Co., lumber, Junction City, Ark.
Corning, Arthur W., lubrg. oils, 251 Front, New York.
Corning Building Co., Corning, N. Y.
Corning, Burt W., architect, Schofield Bldg., Cleveland, O.
Corning & Co., denatured alcohol, Peoria, Ill.
Corning, Edward, Co., contractors, Vanderbilt av & 45th, New York.
Corning Fdry., Inc., grey iron castings, Corning, N. Y.
Corning Glass Wks., Corning, N. Y.
Corning Mfg. Co., stove mfrs., Corning, N. Y.
Cornish, Alfred, & Co., harness, saddles, etc., Omaha, Neb.
Cornish Co., pianos, Washington, N. J.
Cornish, E. P., mill & facty. supplies, Manchester, N. H.
Corno Mills Co., flour, feed & oatmeal, International Life Bldg., St. Louis, Mo.
Cornplanter Lubrg. & Oil Co., Ft. Drake, St. Paul, Minn.
Cornplanter Refining Division, Warren, Pa.
Corns Conveying Belt Co., 53 W. Jackson blvd., Chicago, Ill.
Cornwall, E., & Co., archl. iron, 709 Sarah, Pittsburgh, Pa.
Cornwall, J., & Sons, flour mills, Cadillac, Mich.
Cornwall Mfg. Co., sheet metal stampings & gasolene tanks, Penobscot av, Cleveland, O.
Cornwall Ore Bank Co., Cornwall, Pa.
Cornwall & Patterson Co., screw mach. prod., Bridgeport, Conn.
Cornwell Co., meat packers, Saginaw, Mich.
Cornwell, Fay D., architect, Indiana Harbor, Ind.
Cornwell, Lewis (Est. of), lbr. mfrs., Saginaw, Mich.
Corol Co., rust preventive, 127 No. Dearborn, Chicago, Ill.
Corona Chemical Co., color mfrs, etc., 213 Lake, Milwaukee, W
Corona Coal Co., Birmingham, Ala.
Corona Cut Glass Co., Toledo, Ohio.
Corona Rubber Reclaiming Co., Germantown, Pa.
Corona Supply Co., carbon paper, etc., Rochester, N. Y.
Corona Typewriter Co., Groton, N. Y.
Coronaca Oil Mill, meal, Coronaca, S. C.
Coronet Phosphate Co., 99 John, New York.
Coronum Equipt. Co., valves, couplings, 89 Fulton, New York
Corpus Christi Hdwe Co., Corpus Christi, Texas
Corr, Peter H., cotton waste, Taunton, Mass.
Corralline Drug & Chemical Co., 465 Greenwich, New York.
Correll, R. S., masons' & bldrs.' matls. & mill & facty. supplies, Pen Argyl, Pa.
Corrick Bros., contractors, Owen bldg., Detroit, Mich.
Corrigan & John, masons' & bldrs.' matls., Clyde, N. Y.
Corrigan, McKinney & Co., pig iron & coke dlrs., Cleveland,
Corrington, Wm. E., brick, Moweaqua, Ill.
Corr. Bar Co., concrete reinforcement, Boatman's Bank Bl St. Louis, Mo.
Corr. Bar Co., concrete steel construction, reinforcing materials, Mutual Life Bldg., Buffalo, N. Y.
Corr. Container Corp., corrugated paper boxes, etc., 520 Dub av, Columbus, Ohio.
Corr. Culvert Co., Moberly, Mo.
Corr. Paper Co., Norfolk, Va.
Corr. Paper Products Co., 221 W. 26th, New York.
Corry Art Stone Co., cement bldg. tile, Corry, Pa.
Corry Bed Spring Co., Corry, Pa.
Corry Brick & Tile Co., Corry, Pa.
Corry Metal Products Co., medicine cabinets, Corry, Pa.
Corry Pail Co., Corry, Pa.
Corry Steam Boiler Wks., Corry, Pa.
Corry Wrench Co., Corry, Pa.
Corse, Montgomery, lumber, Jacksonville, Fla.
Corsett, L. E., contractor, Olean, N. Y.
Corsicana Brick Co., Corsicana, Tex.
Corsicana Cotton Mills, Corsicana, Tex.
Corskie, J. P., & Son, granite, Barre, Vt.
Corson, G. & W. H., lime mfrs., Plymouth Meeting, Pa.
Corson, Geo. W., & Sons, contractors, 210 E. 89th, New York
Corson, Leander S., contractor, Ocean City, N. J.
Corthaus, A. C., Spec. Co. advtg, spec., 81 Michigan, Milwaul Wis.
Cortino Ross, contr., Melrose, Ill.
Cortland Cart & Carriage Co., Sidney, N. Y.
Cortland Fdry. & Mach. Co., Cortland, N. Y.
Cortland Grinding Wheel Corp., machst., Cortland, N. Y.
Cortland Line Co., Inc., fish lines, Cortland, N. Y.
Cortland Specialty Co., bicycle oils, paints, soaps, etc., Cortla N. Y.
Cortland Welding Compound Co., flux-oxy-acetylene weld Cortland, N. Y.
Cortright Metal Roofing Co., metallic shingles, 50 W. 2 Philadelphia, Pa.
Corvallis Lbr. Mfg. Co., Corvallis, Ore.
Corwin & Vail Lumber Co., Riverhead, N. Y.
Cory, Chas., & Son, brass finishers & fndrs, 290 Hudson, York.
Cory, Herbert H., mill & facty. supplies, Norfolk, Va.
Cory-Patterson Mfg. Co., life-saving nets, Greenfield, Ohio.
Cory Shingle Co., Sedro Wooley, Wash.
Corydon Lumber Co., Corydon, Ia.
Corydon Milling Co., flour, Corydon, Ky.
Coryell, B. H., contractor, Williamsport, Pa.
Coryville Chemical Co., acetate of lime, alcohol, etc., Bradf Pa.
Cosby, Clarence, scrap iron & steel, Richmond, Va.
Cosby, Overton M., sash, door & blind, Washington, Ind.
Cosden & Co., petroleum & its products, Tulsa, Okla.
Cosgrave, John J., architect, 362 State, Albany, N. Y.
Coshocton Art Leather Co., Coshocton, Ohio.
Coshocton Brick Co., Coshocton, Ohio.
Coshocton Glass Co., bottles, Coshocton, Ohio.
Coshocton Iron Co., mchsts. & fndrs., Monongahela, Pa.
Coshocton Specialty Co., advertising, Coshocton, Ohio.
Coshocton Straw Paper Co., Coshocton, Ohio.
Cosmic Aniline Works, Inc., malachite green, 8 W. B'way, York.
Cosmo Buttermilk Soap Co., Upper Sandusky, Ohio.
Costello, D. J., Co., contractor, North Andover, Mass.
Costello, John F., contractor, Spokane, Wash.
Costello, J. S., & Son Brush Co., brushes, 1108 Pine, St. L Mo.
Costen, Moore & Co., brick common, McKenzie, Tenn.
Coster, August, contractor, Norfolk, Va.
Costigan, Lawrence, stone prod., Church la & Baynton, Philadelphia, Pa.
Costmeter Co., mfrs. costméters & installers of cost syst 1000 Washington, Boston, Mass.
Coston Signal Co., 24 Water, New York.
Coston, W. L., contr., Bessemer, Ala.
Cote Piano Mfg. Co., Fall River, Mass.
Cothran, Thos. W., architect, Greenwood, S. C.
Coto-Col Co., armature & field coil winding mach., Aul Providence, R. I.

Transmission Co., transmission & gears for motor trucks
tractors, Rockford, Ill.
ge Building Co., sash, door & blind mfrs., Evansville, Ind.
ge Grove Mfg. Co., lumber mfrs., 3912 Langley av, Chi-
ago, Ill.
ge Planing Mill Co., masons' & bldrs.' matls., Everett, Pa.
geville Milling Co., flour, Cottageville, W. Va.
-Lap Co., burlap, size & wall paper, Somerville, N. J.
n Bros. Cypress Co., Ltd., Morgan City, La.
, E. J., stone producers, Hancock, N. Y.
r, G. F., Supply Co., mill & facty. supplies, Houston, Tex.
, Jere., & Son, contractors, West Newton, Mass.
, T., contractor, 2364 Tiebout av, New York.
Transfer & Storage Co., Mansfield, Ohio.
ral Bldg. Co., Blymyer Bldg., Cincinnati, Ohio.
r, Chas., & Son, gold leaf, 65 Nassau, New York.
agham, J. C., & Sons Co., tackle blocks, 118 N. Delaware
v, Phila., Pa.
Waxo Co., sweeping compounds, 1308 N. Main, St.
ouis, Mo.
n Belt Lumber Co., Bearden, Ark.
n & Co., Inc., architect, Call bldg, San Francisco, Cal.
n, H. W., landscape architect, 406 Centre, Newbury, Mass.
n, Lemuel, & Son, wood handles, Hiram, Me.
n Manual Publishing Co., Atlanta, Ga.
n Oil Co., meal, Bamberg, S. C.
n Oil & Ginning Co., Scotland Neck, N. C.
n States Belting & Supply Co., Atlanta, Ga.
n States Seed & Fertilizer Co., Macon, Ga.
n, Wm. E., & Co., cornices, 1600 Hartford av, Baltimore,
Md.
nwood Milling & Elevator Co., flour, Cottonwood, Idaho.
ell, C. B., & Sons Co., machsts. & fndrs., bag printing
nachy., Westerly, R. I.
ell, J. T., Co., masons' & bldrs.' matls., Pawtucket, R. I.
ell Saddlery Co., Richmond, Va.
ell, W. C. & A. F., architects, Asbury Park, N. J.
ell, W. Liance, architect, 200 5th av, New York
, A. M., cornices, 236 S. Euclid av, Dayton, Ohio.
n Automatic Telephone Co., 150 Nassau, New York.
n Bros. Mfg. Co., sweat pads, Atlanta, Ga.
n & Heyle, mill & fcty. supplies, Peoria, Ill.
n Mills Co., cotton duck, Atlanta, Ga.
h, S. H., Co., annunciators & telephones, Quincy, Mass.
n, Wm., contractor, Main, Long Island City, N. Y.
ersport-Mangle Roller Mfg. Co., Coudersport, Pa.
henour, E. C., Co., tubular boilers, Huntington, W. Va.
nlan, Jas. J., contractor, Carney Bldg., Boston, Mass.
nlan, John P., contractor, 1822 Main, Kansas City, Mo.
nlan, T. R., Co., lime mfrs., stone producers, Mankato,
Minn.
ourne & Parsons, canned goods, Marion Station, Md.
e Lbr. Co., Attalia, Wash.
on, Fred'k, architect, 405 Main, Worcester, Mass.
on, J. W., & Bro., contractors, Hanover, Pa.
on, J. W., & Co., store front construction, Columbus, O.
ton, Brundage & Co., rural mail boxes, La Harpe, Ill.
ton, J. W., & Co., color mfrs. & imptrs., 80 Maiden la.
New York.
ton, Wm. R., & Co., contractors, 2041 E. Charleston,
Philadelphia, Pa.
er, D. R., Lbr. Co., Avinger, Texas.
er, D., & Son, masons' & bldrs.' matls., Andover, Ohio.
er & McKenzie Mach. Co., Bridegport, Conn.
er Mfg. Co., shoe lasts, 325 Arch, Phila., Pa.
er, Norman R., architect, 46 Kearney, San Francisco, Cal.
er's Rattan Wrks., children's carriages, 1141 Sutter, San
Francisco, Cal.
cil Bluffs Concrete Co., contr., Council Bluffs, Ia.
cil Tool Co., Wananish, N. C.
ts, J. C., grain cradles, Prosperity, S. C.
e, Wm., Co., Ltd., textile machy., supplies, etc., South
Attleboro, Mass.
eville Lbr. Co., Coupeville, Wash.
le Gear Feight Wheel Co., auto, etc., Grand Rapids, Mich.
bat, Geo. A., sash, door & blind mfrs., Mallory, N. Y.
chesne, A., masons' & bldrs.' matls., El Paso, Tex.
tade, Jos. N., & Sons, piano cases, 516 W. 24th, New York.
tman, Walter F., archl. iron, West Hoboken, N. J.
tnay Mfg. Co., cotton sheetings, Newry, S. C.
tney Co., masons' & bldrs.' matls., Charlston, W. Va.
tney, D. S., Co., tex. machy., supplies (bobbins), Chicopee,
Mass.
tney Fire Brick Co., Monongahela, Pa.
tney, W. J., canned goods, Mundy Point, Va.
trai Mfg. Co., airplane fabrics, 115 Franklin, New York.
tright & Whiting Supply Co., mill & facty. supplies, Mobile,
Ala.
val & Co., lumber mfrs., Essexville, Mich.
e & Bolten, belting mfrs., 44 Lafayette, Newark, N. J.
ens & Pratt, yacht sails, Neponset, Boston, Mass.
ins, H. A., Co., artificial marble, 524 W. 25th, New York.
ins, J. D., & Son Boiler Wks., 326 Hopkins, Buffalo, N. Y.
ant, A. K., sash, door & blind mfrs., Kingston, N. Y.
ts, Thos., Co., contractor, stone producers, 3324 Small-
man, Pittsburgh, Pa.
ure Sales Promoting Service, Manchester bldg., Portland,
Ore.
l Machine Co., Fall River, Mass.

Covel Mfg. Co., saw sharpening machines, trucks, Benton Harbor, Mich.
Covel & Osborn Co., mill & facty. supplies, Fall River, Mass.
Covell, Lyman T., lumber, Whitehall, Mich.
Covell, W., International Leather Belting Co., 412 So. 45th, Phila., Pa.
Cover, H. S., goggle mfrs., South Bend, Ind.
Cover, Peter J., & Son, wholesale hardware, Meyersdale, Pa.
Covert, H. W., Co., coal chutes, etc., 137 E. 46th, New York
Covert Mfg. Co., saddlery hardware, Troy, N. Y.
Covert Motor Vehicle Co., auto axles, Lockport, N. Y.
Covert Saddlery Wks., Interlaken, N. Y.
Covert & Stewart, masons' & bldrs.' matls., Sharpsville, Pa.
Covey Durham Co., charcoal, 431 S. Dearborn, Chicago, Ill.
Covington Arch'l Iron Works, Covington, Ky.
Covington Brick Co., Covington, Va.
Covington Lbr. Co., Kent, Wash.
Covington Machine Co., Covington, Va.
Covington Milling Co., flour, Covington, Tenn.
Covington Mills, shade cloth, Covington, Ga.
Covington, W. H., Co., turpentine, Belle Isle, Fla.
Covington Woolen Mills, Covington, Ohio.
Cowan, Andrew, & Co., belting mfrs., mill & factory & steam fitters' supplies, etc., 421 W. Main, Louisville, Ky.
Cowan Building Co., 106 W. Madison, Baltimore, Md.
Cowan, Edw., cornices, 175 Larned W., Detroit, Mich.
Cowan, Jos. S., contractor, 419 4th av, Pittsburgh, Pa.
Cowan Mfg. Co., closet seats, Fulton Bldg., Pittsburgh, Pa.
Cowan Truck Co., Holyoke, Mass.
Cowanshannock Coal & Coke Co., bituminous, Punxsutawney, Pa.
Cowden Brick & Tile Co., Lancaster, Ohio.
Cowden & Co., masons' & bldrs.' matls., Harrisburg, Pa.
Cowdery Coal Co., masons' & bldrs.' matls., Geneva Ohio.
Cowdrey, C. H., Machine Wks., builders of special machinery, Fitchburg, Mass.
Cowdrick, Wm. J. S., contractor, Niagara Falls, N. Y.
Cowe, Wm., architect, 1420 Humboldt, Denver, Colo.
Coweeman Driving & Rafting Co., lumber, Kelso, Wash.
Cowell, Arthur W., landscape architect, State College, Pa.
Cowell & Bedeson, architects, Merced, Cal.
Cowell, Henry, Lime & Cement Co., 2 Market, San Francisco, Cal.
Cowell, Herbert, architect, 1 Jefferson, Joliet, Ill.
Cowell, Levi, contractor, Marietta, Ohio.
Cowell Portland Cement Co., 2 Market, San Francisco, Cal.
Cowen, Chas. A., & Co., contractors, 30 E. 42nd, New York,
Coweta Cotton Oil Mill, Newnan, Ga.
Coweta Fertilizer Co., Newnan, Ga.
Cowger, W. A., & Co., contrs., Mount Vernon, Ill.
Cowgill & Hill Milling Co., flour, Carthage, Mo.
Cowin, J. N., & Co., masons' & bldrs.' matls., Medford, Mass.
Cowles, C., & Co., auto & carriage hdwe, lamps, etc., Water & Chestnut, New Haven, Conn.
Cowles, Geo. S., architect, 8 Getty sq, Yonkers, N. Y.
Cowles-Horan Whip Co., Westfield, Mass.
Cowles, Louis, architect, Santa Rosa, Cal.
Cowles & Mutscheller, architects, Saginaw, Mich.
Cowles Shipyards Co., tow or tug boats, Buffalo, N. Y.
Cowles Tool Co., milling cutters, etc., 2086 W. 110th, Cleveland, O.
Cowley, Arthur W., architect, Hyde bldg., Spokane, Wash.
Cowlitz Bridge Co., Yeon Bldg., Portland, Ore.
Cowlitz Shingle Co., Castlerock, Wash.
Cowpens Mfg. Co., cotton sheetings, Cowpens, S. C.
Cowper, John W., & Co., contractors, Fidelity Bldg., Buffalo, N. Y.
Cox, A. F., architect, Chelan, Wash.
Cox, A. F., & Son, shoe polishes, Portland, Me.
Cox, A. G., buckwheat flour, Osseo, Wis.
Cox, A. H., & Co., machy. dealers, 307 1st, Seattle, Wash.
Cox, A. J., flour mills, Cleveland, Tenn.
Cox, Abram, Stove Co., fndrs., American & Dauphin, Philadelphia, Pa.
Cox Aero Wks., propellers, auto wheels, Bayonne, N. J.
Cox Brass Mfg. Co., oxy-acetylene welding apparatus, Albany, N. Y.
Cox Bros., contractors, 5th av & Lincoln way, San Francisco, Cal.
Cox Bros. Co., wholesale hardware, West Union, W. Va.
Cox, C. A., cornices & skylights, Savannah, Ga.
Cox, E. D., contractor, Minerva, Ohio.
Cox, G. F., contractor, Norfolk, Va.
Cox, G. W., stone producers, Osgood, Ind.
Cox, Geo. S., & Bro., hair cloth mfrs., Cambria & Ornes, Philadelphia, Pa.
Cox & Gordon, meat packers, 1019 S. 3d, St. Louis, Mo.
Cox, I. G., & Bro., machsts., Paulsboro, N. J.
Cox, J. Elwood, textile mach. supplies, Highpoint, N. C.
Cox, J. Fillmore, Engng. & Tube Bending Mach. Wks., Bayonne, N. J.
Cox, Jas. T., mill & facty. supplies, Paterson, N. J.
Cox, John, Jr., architect, 7 E. 42d, New York
Cox, John, & Son, masons' & bldrs.' matls., Vanceburg, Ky
Cox, Justice, Jr., & Co., pig iron dlrs., Land Title Bldg., Philadelphia, Pa.
Cox Lightning Arrester, Eaton, Ohio.
Cox Lime & Stone Co., Plymouth Meeting, Pa.

Cox, P.T., Contracting Co., Inc., 154 Nassau, New York.
Cox, R. E., brick cutters, East Liverpool, Ohio.
Cox, S. S., Show Case Co., North Manchester, Ind.
Cox & Sons Co., machinery mfrs., tanks, etc., 5th & Chestnut, Philadelphia, Pa.
Cox & Stevens, naval architects, 15 William, New York.
Cox & Stone, heating contrs., 74 Richmond, Providence, R. I.
Cox, Thomas, & Son, machsts. & fndrs., Denver, Colo.
Cox, Thos., & Sons Machy. Co., Little Rock, Ark.
Cox, W. H., flour mills, Dover, Tenn.
Cox, W. S., wholesale hardware, Silver City, N. M.
Cox, Wm., architect, Bellingham, Wash.
Cox, Wm. H., architect, 53 State, Boston, Mass.
Coxe-Bennett Lbr. Co., Wadesboro, N. C.
Coxe Travelling Grate Co., 11 B'way, New York.
Coxhead & Coxhead, architects, Hearst bldg., San Francisco, Cal.
Coxheath Lbr. Co., Coxheath, Ala.
Cox's, C. A., Sons, masons' & bldrs.' matls., 2139 American, Philadelphia, Pa.
Coxsackie Wheel & Mfg. Co., Coxsackie, N. Y.
Coy, A. G., Hdwe & Implement Co., Anaconda, Montana
Coy Paper Co., West Claremont, N. H.
Coye, Chas. A., coal bags, Grand Rapids, Mich.
Coyle, Bartley, & Son, common brick, Easthampton, Mass.
Coyle Bros., contractors, Galveston, Tex.
Coyle, H. B., Iron Wks., 622 Filbert, Philadelphia, Pa.
Coyle, H. J., lbr. mfr., Clifford, La.
Coyne Bros. Varnish Co., N. 2d & Pike, Philadelphia, Pa.
Coyne & Delany Co., machsts. & fndrs. & water-closet tanks, 832 Kent av, Brooklyn, N. Y.
Coyne, Jas. A., contractor, Steubenville, Ohio.
Cozzens Heating & Const. Co., 1201 N. Vandeventer, St. Louis, Mo.
C. & P. Elec. Wks., panel board cabinets, Springfield, Mass.
Crabb, Everett H., architect, 1112 State, Indianapolis, Ind.
Crabb, Jas., contractor, Wilmette, Ill.
Crabb, Robert, architect, 5607 Euclid av, Cleveland, Ohio.
Crabb, Wm., & Co., frame pins drawing, mill & facty. supplies, 3d av, cor. 4th, Newark, N. J.
Crabbe, S. F., architect, Fargo, N. D.
Crabill Hose Clamp Co., lawn sprinklers, Battle Creek, Mich.
Crabtree, Fremont R., architect, 2449 Grand av, Milwaukee, Wis.
Crabtree & Havey, granite, North Sullivan, Me.
Crabtree Lbr. Co., Tuscaloosa, Ala.
Crabtree, Walter P., architect, New Britain, Conn.
Craddeck, Edw. S., machsts., 226 E. 144th, New York.
Craddock, James H., & Co., architect, Farnum bldg., Omaha, Nebr.
Craft Bros., canned goods, Springwood, Va.
Craft, J. Watson, masons' & bldrs.' matls., Ambler, Pa.
Craft, W. H., lbr., Summit, Miss.
Crafton Lumber & Supply Co., Crafton, Pa.
Crafts, Arthur A., & Co., diamond emery dressers, 125 Summer, Boston, Mass.
Craftsman Tool Co., Conneaut, Ohio.
Crager Wire & Iron Wks., Salt Lake City, Utah.
Cragg, H. C., Mfg. Co., machsts. & fndrs., 228 K. S. W., Washington, D. C.
Cragin, Calhoun, gut strings, 149 B'way, New York.
Cragin & Co., mill supplies, 932 1st av, So. Seattle, Wash.
Cragin, M. J., garbage disposal plants, 746 E. 43d, Chicago, Ill.
Crago's Practical Mach. Wks., Kansas City, Mo.
Craig Bros., boilers, heating contractors, Fargo, N. D.
Craig & Brown, cornices, 421 20th, Brooklyn, N. Y.
Craig, David, cleanouts, faucets, 70 Broad, Boston, Mass.
Craig, Forbes & Co., granite, Quincy, Mass.
Craig Fdry. Co., lead castings, 42 Sanford, Brooklyn, N. Y.
Craig, G. C., lead pipe couplings & pruning shears, Rumney Depot, N. H.
Craig, Geo., & Sons, lumber mfrs., Morris Bldg., Phila., Pa.
Craig & Harris, stone producers, Galesburg, Ill.
Craig, J. C., architect, Kearns Bldg., Salt Lake City, Utah.
Craig, J. J., contractor, Covington, Ky.
Craig, Jas., engines, Garfield av, Jersey City, N. J.
Craig, Jno. J., Co., marble prod., Knoxville, Tenn.
Craig, Jno. M., fndrs., Hartford, Conn.
Craig Millard Co., smoke consumers, Detroit, Mich.
Craig Mills, flour, New Castle, Va.
Craig Mt. Lbr. Co., Winchester, Idaho.
Craig Oil Co., Toledo, Ohio.
Craig Plastering Co., Odd Fellows Bldg., St. Louis, Mo.
Craig-Reynolds Fdry. Co., steam heaters, Dayton, Ohio.
Craig, S. Daley, architect, Petersburg, Va.
Craig, Samuel A., architect, Warsaw, Ind.
Craig & Schoffner Hardware Co., Nashville, Tenn.
Craig Stone Co., producers, Oliver Bldg., Pittsburgh, Pa.
Craig Tractor Co., Bliss rd, Cleveland, Ohio.
Craig & Vrooman, cornices, Schenectady, N. Y.
Craig, Wm., Canning Co., Ogden, Utah.
Craighill, S. P., architect, People's Natl. Bk. Bldg., Lynchburg, Va.
Craigsville Woolen Mfg. Co., woolen blankets, Craigsville, Pa.
Crain, Jas. E., contractor, Logansport, Ind.
Crain Pump & Lbr. Co., 623 Arch, Philadelphia, Pa.
Craine Silo Co., Inc., silos, storage packets, tanks, Norwich, N. Y.
Cram & Ferguson, architects, 15 Beacon, Boston, Mass.; Scanlen Bldg., Houston, Tex., & 33 W. 42d, New York.



Cram, Frank, & Sons, masons' & bldrs.' matls., Des Moines, I
Cram, Geo. F., Co., maps, atlases, 107 N. Market, Chicago, I
Cramer & Allen, whol. hdwe., Broad & Center, Trenton, N. J.
Cramer, Augustus, contractor, Atlantic City, N. J.
Cramer Bros., cornices & skylights, Grant's Pass, Ore.
Cramer-Force Co., paper bags, Rochester, N. Y.
Cramer, G., Dry Plate Co., Shenandoah & Lemp avs, St. Lou Mo.
Cramer, Geo., cornices & skylights, Niles, Ohio.
Cramer Hdwe. Co., Inc., mill & facty. supplies, N. Tonawand N. Y.
Cramer & Johnston, contrs., Oxford, O.
Cramer-Kay Machy. Co., dealers, Newhouse Bldg., Salt La City, Utah.
Cramer, Philip L., contractor, 713 Euclid av, Pittsburgh, Pa.
Cramer & Sherr, trav. bags & suit cases, 429 E. Moyer, Phil delphia, Pa.
Cramer, Stuart W. See Parks-Cramer Co. (successor)
Cramer, W. F., canned goods, Gasport, N. Y.
Cramer & Willing, mill & factory supplies, 53 W. Jackson blv Chicago, Ill.
Cramp & Co., contractors, Denckla Bldg., Philadelphia, Pa.
Cramp, Wm., & Sons Ship & Engine Bldg. Co., Beach & Ba Philadelphia, Pa.
Crampton-Farley Brass Co., valves, drams, etc., 221 Mai Kansas City, Mo.
Crampton, I. E., & Son Canning Co., Celina, Ohio.
Crampton & Son, boilers, Covington, Ohio.
Cranberry Creek Coal Co., anthracite, 437 Chestnut, Phila., P
Cranberry Furnace Co., blast, Johnson City, Tenn.
Crancer Hardware Co., Leavenworth, Kans.
Cranch Hill Granite Wks., Quincy, Mass.
Crandal, Stone Division, The Brewer-Titchener Corp., carria & automobile hardware, Binghamton, N. Y.
Crandall, A. I., architect, Lebanon, Ore.
Crandall Bros., contrs., Williamsport, Pa.
Crandall Bros., faucets (wood), N. Kingsville, Ohio.
Crandall & Brown, lumber mfrs., 3300 S. Racine av, Chica Ill.
Crandall & Brown Cypress Co., Pearl River, La.
Crandall, C. J., architect, The Dalles, Ore.
Crandall Can Filler Mach. Co., Buffalo, N. Y.
Crandall Carriage Co., 593 3d av, New York.
Crandall, Chas. F., architect, E. & B. Bldg., Rochester, N. Y.
Crandall, Chas. H., architect, Burlington, Vt.
Crandall, E. V., Oil & Putty Mfg. Co., 1105 Metropolitan Brooklyn, N. Y.
Crandall Eng'ng Co., dry docks, 102 Border, E. Boston, Mass.
Crandall, G. H., Co., sash, door & blind mfrs., Cohoes, N. Y.
Crandall, J. E., masons' & bldrs.' matls., Ripley, N. Y.
Crandall Packing Co., asbestos gaskets, Palmyra, N. Y.
Crandall Panel Co., Brockton, N. Y.
Crandall Pettee Co., oven bldrs., 135 Hudson, New York.
Crandell, W. W., flour mills, Brownsville, Tenn.
Crandley Rubber & Supp. Co., mill & facty. supps., San Fr cisco, Cal.
Crandon Mfg. Co., thermostats, Portland, Me.
Crane & Breed Mfg. Co., automobile bldrs, caskets, und takers' supplies, 1227 W. 8th, Cincinnati, Ohio.
Crane Bros., cornices & skylights, Machias, Me.
Crane Bros., paper & pulp mills, Westfield, Mass.
Crane Bros., silk thread, Kingston, Pa.
Crane, C., & Co., lumber mfrs., 1739 Eastern av, Cincinnati,
Crane, C. H., contr., Rockbridge, Ill.
Crane, C. Howard, architect, Detroit bldg., Detroit, Mich.
Crane Co., automobile tools, Allston, Mass.
**CRANE CO.** (Est. 1855), gas, steam & water fittings; oil, well & plumbers' supplies, etc., 836 S. Michigan av, C cago, Ill.

BRANCH OFFICES:

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| Aberdeen, S. D. | Minneapolis, Minn. |
| Albany, N. Y. | Muskogee, Okla. |
| Atlanta, Ga. | New York |
| Baltimore, Md. | Oakland, Cal. |
| Birmingham, Ala. | Oklahoma City, Okla. |
| Boston, Mass. | Omaha, Neb. |
| Bridgeport, Conn. | Philadelphia, Pa. |
| Brooklyn, N. Y. | Portland, Ore. |
| Buffalo, N. Y. | Rochester, N. Y. |
| Chicago, Ill. | Rockford, Ill. |
| Cincinnati, O. | Sacramento, Cal. |
| Davenport, Ia. | St. Paul, Minn. |
| Des Moines, Ia. | St. Louis, Mo. |
| Detroit, Mich. | Salt Lake City, Utah |
| Duluth, Minn. | San Francisco, Cal. |
| Fargo, N. D. | Seattle, Wash. |
| Grand Rapids, Mich. | Sioux City, Ia. |
| Great Falls, Mont. | Spokane, Wash. |
| Indianapolis, Ind. | Springfield, Mass. |
| Kansas City, Mo. | Syracuse, N. Y. |
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| Little Rock, Ark. | Terre Haute, Ind. |
| Los Angeles, Cal. | Washington, D. C. |
| Memphis, Tenn. | Wichita, Kan. |

FOREIGN OFFICES:

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| London, Eng. | Winnipeg, Man., Can. |
| Vancouver, B. C. | Montreal, Que. |
| Toronto, Ont. | Sydney, N. S. W. |
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& Co., paper & pulp mills, Dalton, Mass.
F. H., & Sons, masons' & bldrs.' matls., Quincy, Mass.
Felt Mfg. Co., Belvidere, N. J.
Floyd H., sash, door & blinds, Passaic, N. J.
Fred M., & Co., contractors, Omaha, Nebr.
Geo. E., architect, 4568 Jamaica av, Richmond Hill, Y.
Glass & Mfg. Co., 206 St. Clair av., Cleveland, Ohio.
H. A., & Bro., concrete reinforced construction, 28 Fair-unt av, Jersey City, N. J.
Hamel Hardware Co., Yazoo City, Miss.
Iron Wks., blast furnaces, Catasauqua, Pa.
James W., oils, grease, etc., 23-27 W. Pier, Hamilton rry, Brooklyn, N. Y.
Kreig Hardware Co., Newark, Ohio.
L. M., & Co., lubrg. oils, 91 Oliver, Boston, Mass.
M. H. (Est. of), htg. contrs., 189 W. Madison, Chicago,

& MacMahon, carriage & wagon wheels, shafts, etc., 10 dge, New York.
Mfg. Co., textile machy. supplies, etc., Lakeport, N. H.
Marcus S., lbr., Caldwell, N. J.
& Milligan, mill & facty. supplies, 54 Mechanic, Newark, J.
& Ordway, mill & facty., plumbers' & steamfitters' sup-es, St. Paul, Minn.
Oxygen Wks., 2 W. 90th, New York.
P. D., Co., clamps & masons' & blders.' matls., 10225 ech av, Cleveland, Ohio.
Packing Co., The, piston rod, 1800 Cayler, Chicago, Ill.
Puller Co., wheel & gear pullers & attachments mfrs., lington, Mass.
Theodore, architect, 15 W. 38th, New York.
Feeder Co., masons' & bldrs.' matls., Schenectady, N. Y.
W. B., & Co., ties, poles & posts, 913 W. 22d, Chicago,

W. & D. G., Co., lbr., Burlington, Vt.
W. F., & Co., high-pressure piping, 149 B'way, New York.
W. M., Co., stove mfrs., 16 W. 32d, New York.
W. T., Carriage Hdwe. Co., 165 Mulberry, Newark, N. J.
Z. & W. M., paper & pulp mills, Dalton, Mass.
Jno. H., architect, Conestoga Bldg., Pittsburgh, Pa.
. T. A., Sons Co., machsts. & fndrs & ship bldrs., ft. Co-nbia, Brooklyn, N. Y.
& Spaulding, brick, Kenosha, Wis.
d, Chas., contractor, 186 Remsen, Brooklyn, N. Y.
d Colestone Works, Cranford, N. J.
d Co., contractor, 52 9th, Brooklyn, N. Y.
d Const. Co., cement piles, Gerke Bldg., Cincinnati, Ohio.
d Paving Co., 2620 E, N. W., Washington, D. C.
r, H. A., & Sons, masons' & bldrs.' matls., Monroeton,

ll, Francis F., Lumber Co., Albany, N. Y.
a Thread Co., Worcester, Mass.
on, John A., Lbr. Co., Wilmington, Del.
on, T. H., & Co., wholesale hdwe., 56 E. Randolph, Chi-go, Ill.
on Worsted Mills, harness twine, Bristol, R. I.
r, Hedley, contractors, 5839 Ellsworth, Pittsburgh, Pa.
C. S., Co., canned goods, Streator, Ill.
Machine Wks., Benton Harbor, Mich.
r, Hy., brick, Germantown, Ohio.
Bros., fire extinguishers, fly killers, Butler, Ind.
Chemical Co., Newbern, N. C.
Fdry. & Mach. Co., Newbern, N. C.
Frank T., Co., contrs. equipt., 50 Church, New York.
& Lang, contractors, Hibernia blk, New Orleans, La.
Lbr. Co., Dallas, Tex.
Wm. N., Mfg. Co., toys, games & nov., S. Norwalk, Conn.
rd, Archie, contractor, Port Huron, Mich.
rd Automobile Co., Hagerstown, Md.
rd Basket Co., Liverpool, N. Y.
rd Cedar Co., lber. ties, poles & posts, Menominee, Mich.
rd Co., steam fitters' supplies, 846 S. Canal, Chicago, Ill.
rd, D. F., Co., Ltd., contrs., 603 5th av, Pittsburgh, Pa.
rd, Daniel, Jr., contractor, 701 N. 63d, Philadelphia, Pa.
rd, David A., mchsts. fndrs., Emlenton, Pa.
rd & Deal, hdwe. dirs., Canton, O.
rd, F. S., architect, 18 Adams av, Endicott, N. Y.
rd, H. T., bldg. contr., Dothan, Ala.
rd, Harold E., architect, Walla Walla, Wash.
rd, J. L., contrs., Springfield, Ohio.
rd, L. M., Asbestos Co., asbestos pipe coverings, 1901 ay, Denver, Colo.
rd Lumber Co., sash, door & blind, Jacksonville, Ill.
rd & McCrimmon Co., machsts. & fndrs., Brazil, Ind.
rd, McGregor & Canby Co., golf clubs, Dayton, Ohio.
rd Machine Tool Co., Inc., 21 Park Row, New York
rd, M. B., & Son, mill & facty. supplies, Oswego, N. Y.
rd Mfg. Co., lumber, Menominee, Mich.
rd Mfg. Co., machsts., New Brunswick, N. J.
rd-Morrow Co., railroad contrs., Atlanta, Ga
rd, P. R., & Son, htg. contrs., Williamson Bldg., Cleve-d, Ohio.

Crawford Plumbing & Mill Supply Co. See Crawford Mill Supply Co. (successors)
Crawford, Samuel, & Sons, lumber, Cedar River, Mich.
Crawfod Specialty Mfg. Co., oils, Blackstone Bldg., Cleveland, O.
Crawford Supply Co., steam fitters' supplies, Bucyrus, Ohio.
Crawford & Tyler, unions, North Dana, Mass.
Crawford-Vaughn Boiler & Locomotive Works, Birmingham, Ala.
Crawford, W. M., & Co., contrs., 70 Western Av., Minneapolis, Minn.
Crawford, Wm., contractors, 5 E. 42d, New York.
Crawford, Wm. (Est. of), stone producers, Newburgh, N. Y.
Crawfordsville Casket Co., Crawfordsville, Ind.
Crawfordsville Corrugated Culv. Co., Crawsfordsville, Ind.
Crawfordsville Ginning & Fertilizer Co., Crawfordsville, Ga.
Crawfordsville Hardware Co., Crawfordsville, Ind.
Crawfordsville Shale Brick Co., Crawfordsville, Ind.
Crawfordsville Wire Nail Co., Crawfordsville, Ind.
Crawley Book Machy. Co., Newport, Ky.
Crawn Bros., flour mills, North River, Va.
Crawshaw, J. M., machsts. & fndrs., Auburn, Me.
Cray Bros., carriage & wholesale hdwe., 1111 W. 11th, Cleveland, Ohio.
Craycroft, H. B., machsts., Vandalia, Ill. (tr.)
Craycroft-Herrold Brick Co., Fresno, Cal.
Craycroft Oil Co., 42 B'way, New York.
Crayen, G. A. & Co., magnalium, 81 New, New York.
Creager, H. A., architect, 1834 Jefferson av, Grand Rapids, Mich.
Creaghead Engng. Co., arc lamp insulators, & electric railway supplies, 340 Main, Cincinnati, Ohio.
Cream City Bedding Co., 3200 Fond du Lac av, Milwaukee, Wis.
Cream City Boiler Co., 37th av & Lapham, Milwaukee, Wis.
Cream City Can Wks., 241 Oregon, Milwaukee, Wis.
Cream City Casket Co., 490 32d, Milwaukee, Wis.
Cream City Fndry. Co., 15th & Oklahoma av, Milwaukee, Wis.
Cream City Net Co., hammock mfrs., 1076 Grove, Milwaukee, Wis.
Cream City Sand Co., 601 Edison, Milwaukee, Wis.
Cream City Sash & Door Co., 601 Park, Milwaukee, Wis.
Cream Cone Mach. Co., 5800 Hough av, Cleveland, O.
Cream of Wheat Co., 5th & 1st av N., Minneapolis, Minn.
Cream Whip Co., 1276 W. 3rd, Cleveland, O.
Creamer, F. D., & Co., masons' & bldrs.' matls., 26 Court, Brooklyn, N. Y.
Creamer, W. G., & Co., hdwe., castings, 96 John, New York.
Creamery Package Mfg. Co., dairy equipment & supps., 61 W. Kinzie, Chicago, Ill.
Creamo Specialty Co., soap, Fairport, N. Y.
Creditors' Mercantile Guide, trade publication, 37 Liberty, New York.
Cree, D. W., camp stoves, Griggsville, Ill.
Cree, J. A., machinist, Utica, Ohio.
Creech & Walker Constr. Co., Aberdeen, Wash.
Creed, W. R., & Co., lbr., 110 W. 34th, New York.
Creedon, Michael, contractor, Dobbs Ferry, New York.
Creepcheck Co., anti-rail creepers, 81 Fulton, New York.
Crefeld Waste & Batting Co., Saylesville, R. I.
Crehore, Chas. F., & Son, paper & pulp mills, 87 Milk, Boston, Mass.
Creighton, Jas. A., & Co., lime, Thomaston, Me.
Creighton & McDonald, architects, Phoenix, Ariz.
Creighton, Thos., J., brass & composition finders, Fall River, Mass.
Creitz, W. A., Co., flour mills, Cambridge City, Ind.
Crelin Machine Co., Los Angeles, Cal.
Cremering Bros., corn brooms, 216 W. Pearl, Cincinnati, Ohio.
Cremo Milk Co., Valley Ford, Cal.
Cremoline Disinfecting Co., 17 S. Main, St. Louis, Mo.
Crenshaw-Gary Lbr. Co., Memphis, Tenn.
Creo Dipt Co., Inc., stained shingles, N. Tonawanda, N. Y.
Creosoted Material Co., Inc., ties, poles & posts, Q. & C. Bldg., New Orleans, La.
Creque & Thurston, cornices, Jackson, Mich.
Crerar, Adams & Co., mill & facty. supplies, 259 E. Erie, Chicago, Ill.
Crescent Advtg. Co., mirrors, Parsons, Kan.
Crescent Art Metal Co., electric & gas light fixtures, Bridgeton, N. J.
Crescent Bed Co. (Ltd.), machsts. & fndrs., 2662 Gravier, New Orleans, La.
Crescent Belt Fastener Co., belt fastener mfrs., 381 4th av, New York.
Crescent Bottle Co., McDonald, Pa.
Crescent Brass Mfg. Co., machsts. & fndrs. & shade holders, 8410 Lake av, Cleveland, Ohio.
Crescent Brass Mfg. Co., Reading, Pa.
Crescent Brass & Pin Co., 1150 Trumbull, Detroit, Mich.
Crescent Brick Co., Red Bank, N. J.
Crescent Burner Mfg. Co., 116 E. 27th, New York.
Crescent Chemical Co., 2314 Wood, Philadelphia, Pa.
Crescent City Carbonate Co., Celeste & Religious, New Orleans, La.
Crescent City Machine & Mfg. Works, brass castings, gears & welded tanks, 631 Tchoupitoulas, New Orleans, La.

Crescent City Mfg. Co. (Ltd.), sash, door & blind, 628 Tchoupcializein Div., New Orleans, La.
Crescent Color & Chemical Wks., 59th & 11th av, New York.
Crescent Co., bathing suits, sweaters, etc., 49 E. 21st, New York.
Crescent Co., Inc., saw, screw drivers, etc., Meriden, Conn.
Crescent Concrete Co., Erie Co. Bk. Bldg., Buffalo, N. Y.
Crescent Concrete Construction Co., Evansville, Ind.
Crescent Cotton Oil Co., Memphis, Tenn.
Crescent Emery-Corundum Wheel Co., Indianapolis, Ind.
Crescent Engineering Co., Inc., screw mach. products, Phila., Pa.
Crescent Feather Co., 19th & Harrison, San Francisco, Cal.
Crescent Felt Mattress Co., 400 N. Hagen, New Orleans, La.
Crescent Fire Arms Co., Norwich, Conn.
Crescent Flexible Armour Co., rubber hose, Trenton, N. J.
Crescent Flour Mills, Denver, Colo.
Crescent Forge & Shovel Co., Havana, Ill.
Crescent Fndry. Co., Rochester, N. Y.
Crescent Glass Co., lantern globes & tumblers, Wellsburg, W. Va.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
Crescent Iron Works, Coalinga, Cal.
Crescent Leather Goods Co., 16 W. 19th, New York.
Crescent Linseed Oil Wks., lubrg. oils, 927 Blackhawk, Chicago, Ill.
Crescent Lumber Co. (Ltd.), New Orleans, La.
Crescent Machine Co., wood working machy., Leetonia, Ohio.
Crescent Machine & Engineering Co., machinists, Irvington, N. J.
Crescent Mach. Wks., South Bend, Ind.
Crescent Mfg. Co., bank fix, coffee mills, lawn swings, etc., Louisville, Ky.
Crescent Mfg. Co., carving & kitchen knives, etc., Fremont, O.
Crescent Mfg. Co., lubrs., machsts. & fndrs., etc., Scottdale, Pa.
Crescent Mfg. Co., plastering trowels, 129 Reade, New York.
Crescent Milling Co., Cynthiana, Ky.
Crescent Milling Co., flour, Fairfax, Minn.
Crescent Novelty Mfg. Co., 703 S. B'way, St. Louis, Mo.
Crescent Oil Co., lubrg. oils, 602 W. Pratt, Baltimore, Md.
Crescent Oil Co., lubrg., Indianapolis, Ind.
Crescent Oil Co., 50 Church, New York.
Crescent Oil & Supply Co., 303 N. Levee, St. Louis, Mo.
Crescent Paper Co., Marseilles, Ill.
Crescent Paper & Machine Co., Phoenix, New York.
Crescent Pk. Brass Fndry., Waltham, Mass.
Crescent Pavement Co., Erie Co. Bk. Bldg., Buffalo, N. Y.
Crescent Phosphorized Metal Co., 2314 Wood, Philadelphia, Pa.
*See adv index at end of book*
Crescent Planing Mill Co., 3227 N. 9th, St. Louis, Mo.
Crescent Portland Cement Co., Wampum, Pa.
Crescent Refractories Co., fire brick & clay, Curwensville, Pa.
*See adv index at end of book*
Crescent Roller Mills Co., flour, Taylorsville, Ky.
Crescent Shingle Co., Kelso, Wash.
Crescent Soap Co., 519 W. McCarthy, Indianapolis, Ind.
Crescent Stone Co., Bloomington, Ind.
Crescent Stove & Mfg. Co., Lehighton, Pa.
Crescent Stove Wks., Evansville, Ind.
Crescent Talking Mach. Co., 109 Reade, New York.
Crescent Tool Co., machsts. & fndrs., 2nd & Elm, Cincinnati, O.
Crescent Tool Co., pliers, wrenches, etc., Jamestown, N. Y.
Crescent Tool Mfg. Co., 1002 Cass av, St. Louis, Mo.
Crescent Trunk Co., Ltd., 311 Girard, New Orleans, La.
Crescent Window Glass Co., Weston, W. Va.
Cresco Creamery Supply Co., dairy supplies, 52 W. Kinzie, Chicago, Ill.
Cresco, Robert, architect, Cresco Apts., Tacoma, Wash.
Cresol Chemical Co., camphor, 8 Van Buren, Brooklyn, N. Y.
Creson, Robt. F., contractor, Builders' Exch., Memphis, Tenn.
Cress, H. G., Co., toys, Troy, Ohio.
Cresskill Lumber Co., Cresskill, N. J.
Cressman, N. C., Co., mill & facty. & steam fitters' supplies, Drexel Bldg., Philadelphia, Pa.
Cresson-Morris Co., machsts. & fndrs., 18th & Allegheny, Philadelphia, Pa.
Cressona Powder Co., Pottsville, Pa.
Crest Chemical Co., disinfectants, shingle stains, varnish, etc., Seattle, Wash.
Crestline Mfg. Co., pumps, Crestline, Ohio.
Creston Milling Co., flour, Creston, Wash.
Creston Roller Mills, Creston, N. C.
Creswell Fruit & Vegetable Growers' Assn., canned goods, Creswell, Ore.
Creswell, Samuel J., Iron Wroks, iron fndrs. & structural iron work, 23d & Cherry, Philadelphia, Pa.
Creswell, E. B., contractor, Saginaw, Mich.
Creta Creme Co., soap powders, 520 W. 27th, New York.
Crete Mills, flour, Crete, Nebr.
Cretors, C., & Co., coffee roasters, 620 W. 22d, Chicago, Ill.
Cretors, J. B., aprons (buggy), St. Paris, Ohio.
Creutzer, J. A., architect, Leary Bldg., Seattle, Wash.
Creveling, Whitfield, contractor, Newburgh, N. Y.
Crew, Levick, Co., oil mfrs., Land Title Bldg., Philadelphia, Pa.
Crewe Roller Mills, flour, Crewe, Va.
Crex Carpet Co., 1134 B'way, New York.
Cribben & Sexton Co., fndrs., 680 N. Sacramento blvd, Chicago, Ill.
Crichton, Alex. F., jute twine & yarn, Wilmington, Del.
Crichton-Curl Enamel Co., enam. iron signs, Ellwood City, Pa.
Crichton Lbr. Co., Mobile, Ala.
Crider, P. B., & Son, lumber, Bellefonte, Pa.
Cridland, Robt. B., landscape architect, Bailey Bldg., Phila., I
Crie, H. H., & Co., wholesale hardware & mill & factory supplies, Rockland, Me.
Crim, C. M., & Son, lumber, Salem, Ind.
Crim, W. H., Jr., architect, 425 Kearney, San Francisco, Cal.
Crimm Bros. Lbr. Co., Melborne, Ala.
Crimmins, Thos., Contr. Co., 444 E. 69th, New York.
Cripe & Seamen, contrs., Goshen, Ind.
Cripple Creek Mine & Supply Co., Cripple Creek, Colo.
Crisp, Herbert G., architect, 2709 St. Paul, Baltimore, Md.
Crisp, Jas., & Co., belting mfrs., Bloomfield, N. J.
Crisp, John, & Sons, contractors, Akron, Ohio.
Crissey & Fowler Lumber Co., Colorado Springs, Colo.
Crist, G. D., contr., Columbia, Mo.
Cristy, Edward Buxton, architect, Albuquerque, N. M.
Criterion Slate Co., columns, mantels—marbleized slate—Ilyville, Vt.
Crites, F. H., contrs., 2136 Belleview av, Kansas City, Mo.
Crittall Casement Window Co., 685 Atwater, Detroit, Mich.
Crittenden, B. D., masons & bldrs. matls., Burton, O.
Crittenden Guano Co., Shellman, Ga.
Crittenden Lbr. Co., Providence, R. I.
Crivel, Geo. F., & Co., fndry facings & supplies, Ellicott Buffalo, N. Y.
Crivitz Pulp & Paper Co., Crivitz, Wis.
Croake, James J., contractor, 2927 Fullerton av, Chicago, Ill
Crobaugh & Dahm Hardware Co., masons' matls. & plumb supplies, Tiffin, Ohio.
Croce Auto Co., Asbury Park, N. J.
Crocker Bros., pig iron and coke dlrs., etc., 21 E. 40th, N York
Crocker, Burbank & Co., paper mills, Fitchburg, Mass.
Crocker Chair Co., lbr., Sheboygan, Wis.
Crocker, H. S., & Co., architects' instruments, 565 Market, Francisco, Cal.
Crocker, Harry, contractor, Saratoga Springs, N. Y.
Crocker, L. O., Jr., conductors' ticket punches, East Braint Mass.
Crocker-McElwain Co., paper & pulp mills, Holyoke, Mass.
Crocker Nat'l Fire Prevention Engineering Co., fire protec suppl's, 1270 B'way, New York
Crocker & Ogden Co., who. hdwe., Binghamton, N. Y.
Crocker-Wheeler Co., elec. disc fans, etc., Ampere, N. J.
Crockett, D. B., Co., paint mfrs., Bridgeport, Conn.
Crockett, F. A., brick, East Dover, Me.
Crockett Lumber & Pile Co., Norfolk, Va.
Crockett, W. & W. F., contractors, 306 E. 59th, New York.
Crockett, Wm. P., Co., pipe cutters, 411 S. Jefferson, Chic Ill.
Crockwell Mine & Mill Supply Co., Federal Reserve Bk. B St. Louis, Mo.
Crofoot Gear Works, medium & small gears in large quanti mfrs. of, Cambridge, Mass.
Crofoot Nielsen & Co., blue prints, 172 W. Washington, cago, Ill. *See adv index at end of book*
Croft & Boerner, architects, Lonsdale Bldg., Duluth, Minn.
Croft Lbr. Co., Alexander, W. Va.
Croft, Stephen P., contractor, 587 49th, Milwaukee, Wis.
Croft, T. E., ties, poles, etc., Trilby, Fla.
Crofts & Reed Co., soap, 2335 W. Austin av, Chicago, Ill.
Croley, Geo. H., Co., incubators, 8th & Townsend, San Fran.,
Croll, Geo., contr., Brattleboro, Vt.
Croll, Geo. L., contractor, Rosemont, Pa.
Croll, Paul C., contr., Pueblo, Colo.
Cromble, W. M., & Co., lbr., 101 Park Av., New York.
Crompton & Knowles Loom Works, makers of looms for e known weave of fabric, Worcester, Mass.
Cromwell, Chas., S., contr., Mystic, Conn.
Cromwell, J. J., architect, Walsh av, Brooklyn, N. Y.
Cromwell, R. A., Mfg. Co., soap, metal polish, etc., 303 E. New York.
Cromwell Steel Co., mfrs., Lorain, O.
Cromwell, W. F., machsts. & fndrs., Bedford, Pa.
Cron, L. C. & W. L., Co., knocked down furniture, Piqua, O
Cron, Wm., Sons Co., carriages, Celina, Ohio.
Crona Bros. Constr. Co., Pensacola, Fla.
Crone, A. W., & Sons, contractors, 498 Central av, Jersey N. J.
Crone, Daniel A., architect, Oliver Bldg., Pittsburgh, Pa.
Crone, F. G., burners, 281 W. Ferry, Buffalo, N. Y.
Crone, J. W., architect, Winchester, Ky.
Cronenberg, L., & Sons, sash, door & blind mfrs., Mount Ve N. Y.
Cronin, Baker & Tindal, plbrs. supplies, Memphis, Tenn.
Cronin, Barth S., Co., contractors & dock bldrs., 573 Cl Brooklyn, N. Y.
Cronin, Daniel G., cornices & skylights, Morris, Ill.
Cronin, Jno. P., mill & facty. supplies, Paterson, N. J.
Cronin, M. F., horse collars, 369 Pearl, New York.
Cronin, P. J., Co., harness, saddles, etc., Portland, Ore.
Cronin, Thos. Co., contractors, S. 17th, cor. Muriel, burgh, Pa.
Croninger Packing Co., meat packers, Shamokin, Pa.
Cronise Bros., canned goods, Nace, Va.

& Carrier Mfg. Co., hardware specialties, 150 Lake, Elira, N. Y. *See adv index at end of book*
Charles E., architect, Herkimer, N. Y.
F. S., Co., machsts. & fndrs., Waxahachie, Tex.
Horace L., musical instru. strings, Battle Creek, Mich.
Mfg. Co., sash, door & blind mfrs., New Brunswick, N. J.
hite Co., Inc., mica electrical insulation, industrial chemils & mill supplies, 185 Devonshire, Boston, Mass.
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ite, L. R., corn brooms, Williamsport, Pa.
H. E., Co., models & experimental work, 28 Light, Baltiore, Md. (tr.)
Horner Supply Co., mill & facty. & plumbers' supplies, 7 alderson, Baltimore, Md.
J. A., bldg. contrs., Exchange bldg., Los Angeles, Cal.
Son & Co., handles, Hicksville, Ohio.
Htg. & Vent. Co., 97 Warren, New York.
Jno. J., Co., tin foil, 68 William, New York.
r, B. I., Co., Builders Exchange, Buffalo, N. Y.
F. McC., architect, Jones Law bldg., Pittsburgh, Pa.
& McLean Co., marble producers, Carthage, N. Y.
Pattern Works, 955 Cleveland av, Columbus, Ohio.
R. E., architect, Lancaster, Ohio.
W. D., & Sons, hard wood doors, Williamsport, Pa.
ton Brick & Tile Co., Crookston, Minn.
ton Lumber Co., First National Soo Line Bldg., Minneolis, Minn.
ton Mfg. Co., agricultural implements, Crookston, Minn.
ton Milling Co., flour, Crookston, Minn.
ton Tool Co., Crookston, Minn.
ton, W. H., & Bro., pipe joint cement, 2449 3d av, New ork.
ville China Co., Crooksville, Ohio.
ville Pottery Co., Crooksville, Ohio.
& Co., concrete mixers, 2334 W. Kinzie, Chicago, Ill.
y & Mitchell, sash, door & blind mfrs., Bay 35th, Brook n, N. Y.
R. L., cornices & skylights, Ogden, Utah.
Bros. Co., lumber, Arrowsic, Me.
C. P., lumber, Rhinelander, Wis.
Co., rubber buckets, Cuba, N. Y.
Co., sheet metal stamping, bicycle parts & sundries, etc., 3 Pratt, Buffalo, N. Y.
& Co., stove pipe enamels, Ford Bldg., Detroit, Mich.
D., & Son, cat boats, Osterville, Mass.
G. R., & Sons, contractors, Beverly, Mass.
H. B., architect, 1st Nat'l Bk. Bldg., Paterson, N. J.
H. W., Contr. Co., 4048 Evans av, St. Louis, Mo.
Mfg. Co., carriages (children's), Frenchtown, N. J.
Navigation Co., shipbldrs., Richmond, Me.
Steam Gage & Valve Co., steam specialties mfrs., 40 ntral, Boston, Mass.
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W. S., architect, 179 W. Washington, Chicago, Ill.
Wilton, cat boats, Osterville, Mass.
Jas., contrs., Racine, Wis.
ld, Wm., wood handles, Berkeley Springs, W. Va.
Geo. P., architect, White Plains av & 223d, New York.
n, G. A., & Sons Co., box shooks, Portland, Me.
A. P., contractor, Mer. Trust Bldg., Los Angeles, Cal.
A. T., Pencil Co., fountain pen mfrs., 53 Warren, Provinnce, R. I.
Anchor Oil Co., meal, Cross Anchor, S. C.
Bros., cornices, 2330 Woodward, Detroit, Mich.
Bros. Co., cutters' granite bldg. wk., Northfield, Vt.
Bros. & Co., mill & facty. supplies, Rochester, N. Y.
C. C., & Son, architects, Santa Monica, Cal.
Chas. W., street contr., Oakland, Cal.
Clarence L., lbr., Monadnock Bldg., Chicago, Ill.
Cross, architects, 681 5th av, New York.
E. C., & Son, meat, Salem, Ore.
E. J., Co., contractors, 82 Foster, Worcester, Mass.
Engng. Co., perforated metals, screens, etc., Carbondale,

Ezra M., Machine Co., Berlin, N. H.
Gear & Engine Co., 800 Bellevue, Detroit, Mich.
M. C., architect, Tulsa, Okla.
Metal Products Corp., snap fastners, 2427 3rd Av., New rk.
Paper Feeder Co., machy., 185 Summer, Boston, Mass.
Parham, machsts. & fndrs., Sidell, Ill.
Press & Sign Co., machsts., 1508 Dayton, Chicago, Ill.
W. D., machst. & fdr., Geneva, Ind.
W. W., & Co., insulated staples, tacks, etc., Brockton, ss.
Constr. Co., Land Title Bldg., Philadelphia, Pa.
Miner & Frees, lumber, Coffey, Mo.
p. I. O., boiler compounds, 24 California, San Fran., Cal.
t Lumber Co., Crossett, Ark.
t Western Lbr. Co., Wanna, Ore.
gion Knitting Mills, sweaters, etc., 243 Ashmead, Gtn. lladelphia, Pa.
v. G. R., lbr., 11 William, New York.
y Lead & Mach. Co., net lifting machy., steam steering rs, etc., Erie, Pa.
y Machine Co., State & Chestnut Av., Trenton, N. J.
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an Co., clays, South Amboy, N. J.

Crossman Tack Co., Dighton, Mass.
Crossroads Canning Co., Berkeley Springs, W. Va.
Crosta, C. A., cornices & skylights, Denver, Colo.
Crosta, Edward A., contractor, Atlantic City, N. J.
Crosta, John H., contrs., Lackawanna, N. Y.
Croswell, John, contractor, Wellesley Hills, Mass.
Crotch Island Granite Co., 26 Cortland, New York.
Crothersville Canning Co., Seymour, Ind.
Croton Chemical Co., 14 Cedar, New York.
Croton Mfg. Co., brass tubing, Croton of Hudson, N. Y.
Crotty, J. J., & Co., machsts., Parkersburg, W. Va.
Crouch Bros. Co., flour mills, Erie, Pa.
Crouch, E. M., contractor, Oil City, Pa.
Crouch & Fitzgerald, trunks, etc., 177 B'way, New York.
Crouch Lumber & Construction Co., Trinadad, Colo.
Crough, Geo. F., & A. W., naval architects, 2411 Sedgwich av, New York.
Crouse Clay Products Co., Akron, Ohio.
Crouse-Hinds Co., electrical goods, Syracuse, N. Y.
Crouse, Ira R., contractor, Perth Amboy, N. J.
Crouse, J. L., contrs., Greensboro, N. C.
Crouse Metal Mfg. Co., box fasteners, Williamsport, Pa.
Crout, J. M., fndrs., Saluda, S. C.
Crow-Elkhardt Motor Co., Elkhart, Ind.
Crow, Lewis & Wick, architects, 200 5th av, New York
Crow Motor Car Co., Elkhart, Ind.
Crow Stove Polish Co., 2520 Galena, Milwaukee, Wis.
Crow, Wm. L., Constr. Co., 103 Park av, New York.
Crow-Wynn Heating Co., 4070 East 82d, S. E., Cleveland, Ohio.
Crowder Bros., machsts., 2018 Locust, St. Louis, Mo.
Crowder, H. N., Jr., Co., electric contrs. & mill supplies, Easton, Pa.
Crowe, F. T., & Co., contractors' tools & supplies, Seattle, Wash.
Crowe, F. T., & Co., masons' & bldrs.' matls., Tacoma, Wash.
Crowe, J. H., architect, Getysburg, Pa.
Crowe, John Co., contractors, Fall River, Mass.
Crowe-Keane Button Co., Botsford, Conn.
Crowe, Michael J., masons' & bldrs.' matls., Lockport, N. Y.
Crowe Name Plate & Engraving Co., 1749 Grace, Chicago, Ill.
Crowe, R. B., architect, Columbus, Ind.
Crowe, Robt. E., architect, Gerke bldg., Cincinnati, Ohio
Crowe, Thos. W., contractor, New Britain, Conn.
Crowell, C. Parker, architect, Bangor, Me.
Crowell Chemical Co., metal polish, Beverly, Mass.
Crowell Corp., gummed paper, tape & moistening machy., 241 37th, Brooklyn, N. Y.
Crowell, D. J., machsts., 61 Terrace, Buffalo, N. Y.
Crowell, E. H., contractor, Crown Point, Ind.
Crowell, Fred C., sash, door & blind, Norwich, Conn.
Crowell, Jas., lbr., Ft. Cross, Newark, N. J.
Crowell, Jas. Addison, brick molds, Wallkill, N. Y.
Crowell-Lundoff-Little Co., contractors, 1951 E. 57th, Cleveland, Ohio.
Crowell Mfg. Co., blowers, pumps, air compressors, etc., 296-298 Taaffe pl, Brooklyn, N. Y. *See adv index at end of book.*
Crowell & Murray, chemical laboratories, 407 Perry-Payne Bldg., Cleveland, Ohio.
Crowell & Seward, contrs., Pasadena, Cal.
Crowell & Spencer Lumber Co., Ltd., Long Leaf, La.
Crowell & Van Meter, architects, Caldwell-Murdock Bldg., Wichita, Kan.
Crowell, Wm. Co., contr., Pasadena, Cal.
Crowell, William, Co., oxyacetylene welding, Van Horne & Central R. R., Jersey City, N. J.
Crowen, Samuel N., architect, 30 N. La Salle, Chicago, Ill.
Crowl Lbr. Co., Harbor Springs, Mich.
Crowley, Arthur F., architect, 144 West av, Brooklyn, N. Y.
Crowley Boiler Wks., Jackson, Mich.
Crowley, Chas. O., contractor, Troy, N. Y.
Crowley Iron & Machy. Co., Crowley, La.
Crowley, Jno. A., Co., high speed steel, 120 Liberty, New York.
Crown Brass Fdy. Co., Los Angeles, Cal.
Crown Cap Mfg. Co., 201 37th, Brooklyn, N. Y.
Crown Chair Co., Evansville, Ind.
Crown Chemical Co., metal polish, Indianapolis, Ind.
Crown Commercial Car Co., machinists, North Milwaukee, Wis.
Crown Cork & Seal Co., crown cork mfrs., 1511 Guilford av, Baltimore, Md.
Crown Cotton Mills, Dalton, Ga.
Crown Cut Glass Co., Hancock, N. Y.
Crown Die & Tool Co., 553 W. Monroe, Chicago, Ill.
Crown Electrical Mfg. Co., St. Charles, Ill.
Crown Foundry Co., Belleville, Ill.
Crown Fuel Saver Co., fuel economizers, Richmond, Ind.
Crown Hardware Co., Pasadena, Cal.
Crown Iron Works Co., bridge railings, 1229 Tyler, Minneapolis, Minn.
Crown, J. F., & Son, carriages, 2115½ C, N. E., Washington, D. C.
Crown Jewel Milling Co., flour, Cynthiana, Ky.
Crown Lbr. Co., Mukilteo, Wash.
Crown Mfg. Co., agricultural implements, Phelps, N. Y.
Crown Mfg. Co., boiler compounds, Engineers Bldg., Cleveland, Ohio.
Crown Metal Co., babbitt metal, white metal, alloys & lead, 259 Wash., Milwaukee, Wis.
Crown Mill Co., flour, Socorro, N. M.

Crown Oil Co., 804 Lakeside av, N. W., Cleveland, Ohio.
Crown Oil & Wax Co., lubrg., cor. Pratt & 8th, Baltimore, Md.
Crown Optical Co., Rochester, N. Y.
Crown Pipe & Foundry Co., Jackson, Ohio.
Crown Pipe Mfg. Co., Omaha, Neb.
Crown Pitter Co., strawberry hullers, Cleveland, Ohio.
Crown Potteries Co., crockery, Evansville, Ind.
Crown Rheostat & Supply Co., abrasives, 17 S. Desplaines, Chicago, Ill.
Crown Ribbon & Carbin Mfg. Co., typewriter ribbons, Rochester, N. Y.
Crown Roller Mills, flour, Morganfield, Ky.
Crown Sash, Door & Mill Co., 2416 McPherson, Los Angeles, Cal.
Crown Slate Co., Pen Argyl, Pa.
Crown Smelting Co., brass fndrs., Chester, Pa.
Crown Stove Works, machsts. & fndrs., Cicero, Ill.
Crown Surgical Instrument Co., 798 8th av, New York.
Crown Varnish & Enamel Co., 2322 N. Seeley av, Chicago, Ill.
Crown Ventilator Co., Milwaukee, Wis.
Crown Wall Plaster Co., Braddock, Pa.
Crown Welding Wks., 364 Willoughby av, Brooklyn, N. Y.
Crown Willamette Paper Co., bags, San Francisco, Cal.
Crowninshield, B. B., naval architect, 75 State, Boston, Mass.
Crownshield Trading Corp., quick silver, 30 Church, New York
Crowther Hardware Co., wholesale, San Angelo, Tex.
Crowther, Harry, mach. wipers, Rorer & Ontario, Phila., Pa.
Crowther Motor Co., 27th & Diamond, Rochester, N. Y.
Crowther, T., & Co., gear cleaning machines, 170 Oliver, Boston, Mass.
Croze, Jos., dry docks, Houghton, Mich.
Crozer Coal & Coke Co., Phila., Pa.
Crozier, R. J., Co., mfrs. agents & mill & facty. supplies, North American Bldg., Philadelphia, Pa.
Cruben Machine & Steel Corp., mandrels, reamers & milling cutters, 63 Duane, New York.
Crucet Mfg. Co., portables, 256 W. 28th, New York.
Crucible Fuel Co., bitumionus, Empire bldg., Pittsburgh, Pa.
Crucible Steel Casting Co., Lansdowne, Pa., & Cleveland, Ohio.
Crucible Steel Casting Co., 612 Clinton, Milwaukee, Wis.
Crucible Steel Co. of America, rolling mills, Oliver bldg., Pittsburgh, Pa.
Cruickshank, A. G., masons' & bldrs.' matls., Port Huron, Mich.
Cruickshank, Clinton M., cont., 103 Park av, New York.
Cruickshank Engine Co., 286 Dyer, Providence, R. I.
Cruikshank Bros. Co., canned goods, Pittsburgh, Pa.
Cruickshanks Iron Works Co., steel structural work, Dineen & S. G. L. Ry., Richmond, Va. (tr.)
Cruise, Edwin, contractor, New London, Conn.
Cruise & Smiley Constr. Co., Pawtucket, R. I.
Cruise, Thos., contractor, Hudson, N. Y.
Crum, Lewis D., mill & facty. supplies, Helene, Ark.
Crumb Quarry Co., granite, Westerly, R. I.
Crumb, W. B., cattle stanchions, Forestville, Conn.
Crume Brick Co., Dayton, Ohio.
Crumley, Jones & Crumley Co., contractors, 536 Findlay, Cincinnati, Ohio.
Crumley-Sharp Hardware Co., Atlanta, Ga.
Crump, A. B., Contr. Co., Macon, Ga.
Crump, Benj. T., Co., harness mfrs., Richmond, Va.
Crump Bros., masons' & bldrs.' matls., Memphis, Tenn.
Crump, F. T., brick, Columbus, Ind.
Crunden, Martin, Mfg. Co., enameled, galvanized & japanned ware mfrs., 2d & Gratiot, St. Louis, Mo.
Crupper, Jos. L., sash, door & blind, 13th & Ohio av, N. W., Washington, D. C.
Cruse-Crawford Mfg. Co., Birmingham, Ala.
Cruse, Frank, architect, Washington bldg, Seattle, Wash.
Cruse-Kemper Co., steel struc. wk., condensers, tanks, etc., Ambler, Pa.
Crush Brick & Tile Co., Sulphur Springs, Tex.
Crusier Motor Car Co., Madison, Wis.
Crutchfield Hardware Co., wholesale, Thomasville, N. C.
Cruver Mfg. Co., advertising novelties, button machy., glass paper weights, 2456 W. Jackson blvd, Chicago, Ill.
Cruver-Peters Co., cameras, 825 Washington blvd., Chicago, Ill.
Cryer Return Line System Co., 18 E. 41st, New York.
Cryer, T. B., heating contractors, 249 High, Newark, N. J.
Cryptofel Chain Co., electric light fixtures mfrs., 140 Boylston, Boston, Mass.
Crystal Brook Granite Co., Hardwick, Vt.
Crystal Carbonite Lime Co., Louisiana, Mo.
Crystal Coal & Coke Co., Crystal, W. Va.
Crystal Gelatine Co., 121 Beverly, Boston, Mass.
Crystal Mfg. Co., ink erasers, Syracuse, N. Y.
Crystal Oil Works, Oil City, Pa.
Crystal Palace Flouring Mills Co., Weatherford, Tex.
Crystal Paper Co., Middletown, Ohio.
Crystal Percolator Co., 44 E. 23d, New York.
Crystal Refrigerator Co., Fremont, Neb.
Crystal Sand Co., Bridgeton, N. J.
Crystal Soap Co., 60 5th, Milwaukee, Wis.
Crystal Spring Canning Co., Dixon, Mo.
Crystal Springs Paste Co., 70 Kilby, Boston, Mass.
Crystal Springs Sand Co., Canal Fulton, Ohio.
Crystal Washing Machine Co., 1118 Gratiot, Detroit, Mich.
Crystalline Soap Co., Army & Hampshire, San Francisco, Cal.
Cuatt, Wm., contractor, Ossining, N. Y.



Cuba Specialty Mfg. Co., minnow traps, Houghton, N. Y.
Cuban-Am. Sugar Co., 129 Front, New York.
Cuban Eng. & Contr. Co., 17 W. 42d, New York.
Cuban Portland Cement Co., 347 Madison av, New York.
Cubberly, Leon, architect, Long Branch, N. J.
Cudahy Bros. Co., meat packers, Cudahy, Wis.
Cudahy Packing Co., meat packers, canned goods, compou... etc., 111 West Monroe, Chicago, Ill.
Cudell, F. E., lead anti-siphon & backwater traps, 10013 Det... av, Cleveland, Ohio.
Cudlipp Belting & Machy. Co., 317 Tchoupitoulas, New Orle... La.
Cudworth & Thompson, architects, Norwich, Conn.
Cuero Cotton Oil & Mfg. Co., meal, Cuero, Tex.
Cuff, C. C., architect, Ochsner Bldg., Sacramento, Cal.
Cuff, J. W., & Co., htg. contrs., 2027 N. 23d, Philadelphia, P...
Culberts, Wm., Sons, tubular boilers, Nashville, Tenn.
Culbertson Bros., carriages, Mechanicsburg, Ohio.
Culbertson, H. E., Co., contractors, Citizens Bldg., Cleveland...
Culbertson Hardware Co., Auburn, Ind.
Culbertson & Kelly, contractors, Ford Bldg., Detroit, Mich.
Culicour, M., brushes, brooms, etc., 41 Fulton, New York.
Cull, Wm., & Sons, carriages, Marion, Ohio.
Cullen & Atkinson Co., core & enameling ovens, Hartford, C...
Cullen Co., expansion tanks & tubular boilers, Clinton, Ia.
Cullen, C. W, Machinery Co., dealers, Cleveland, Ohio.
Cullen, Chas. H., architect, 101 Park av, New York.
Cullen Frederick M., elec. contrs., Norwalk, Conn.
Cullen-Friestedt Co., contractors, 7 S. Dearborn, Chicago, I...
Cullen, Geo. P., contractor, 155 N. Clark, Chicago, Ill.
Cullen, J. P., Constr. Co., Janesville, Wis.
Cullen, John, contractor, East Hampton, Mass.
Cullen & Vaughn Co., archl. wood turning, contractors, int... wood finishing & masons' & bldrs.' matls., 450 Dayton, ... ilton, Ohio.
Culler Furniture Co., revolving chairs, Williamsport, Pa.
Cullihan, R. A., contr., Tremont, Ill.
Cullinan, Thos. F., Co., reinf. concrete steel const., Provid... R. I.
Cullman Wheel Co., roller sprockets, etc., 1346 Altgeld, Chi... Ill.
Culloden Ginning & Fertilizer Co., Culloden, Ga.
Cullum & Boren Explosive Co., tools (gun cleaning & reload... Dallas, Tex.
Cullum, J., & Co., tubular boilers, Kingston, N. Y.
Cullum, W. J., Co., contractors, Portsmouth, Ohio.
Culmers Co., glass, Salt Lake City, Utah.
Culp, W. S. & A. M., contractors, Chestertown, Md.
Culpepper & Co., ties, poles & posts, 22 E. Lexington, Balti...
Cutler Dry Kiln Co., 20 Churchill, Buffalo, N. Y.
Culter & Proctor Stove Co., Peoria, Ill.
Culver, A., Co., masons' & bldrs. matls., Rockland, Mass.
Culver, Irwin C., Co., window display fixtures, 60 E. 8th, ... York.
Culver, M. A., & Son, lumber, Cedar, Mich.
Culver Mfg. Co., automobiles, Culver City, Cal.
Culver-Stearns Mfg. Co., lamp adapters & guards, storag... teries, etc., Detroit, Mich., & Worcester, Mass.
Culver, W. W., architect, Butts Bldg., Wichita, Kan.
Cumberland Clay Co., Mount Holly Springs, Pa.
Cumberland Electric Mfg. Co., transformers & voltage ... lators, Memphis, Tenn.
Cumberland Fertilizer Co., Cartersville, Ga.
Cumberland Foundry & Mfg. Co., Nashville, Tenn.
Cumberland Fruit Package Co., berry boxes, Cumberland, ...
Cumberland Glass Mfg. Co., Bridgeton, N. J.
Cumberland Hydraulic Cement & Mfg. Co., Cumberland, M...
Cumberland Marble Mill Co., Knoxville, Tenn
Cumberland Milling Co., flour, Cumberland, Md.
Cumberland Portland Cement Co., Cumberland, Md.
Cumberland Sash & Door Co., Cumberland, Md.
Cumberland Shipbuilding Co., wooden ship builders, 415 ... gress, Portland, Me.
Cumberland Steel Co., Cumberland, Md.
Cumberland Valley Paper Box Co., mailing tubes, Hager... Md.
Cumbler, Geo. W. (Est. of), stone producers, Steelton, Pa...
Cuming, Henry B., leather belting, 207 Center, New York.
Cuming, M. A., & Co., hatters' machy., 43 Bleeker, New Y...
Cumings, H. P., Construction Co., 319 Washington, ... Mass.
Cumiskey, John H., contractor, Bridgeport, Conn.
Cummer Cypress Co., lumber, Sumner, Fla.
Cummer-Diggins Co., lumber mfrs., Cadillac, Mich.
Cummer, F. D., & Son Co., asphalt plant bldrs., dryers... Superior Arcade, Cleveland, Ohio.
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Cummer Lumber Co., Jacksonville, Fla.
Cummer Mfg. Co., woodenware & novelties, Cadillac, Mic...
Cummer Products Co., lubricating oils, 2150 W. 15th, ... land, Ohio.
Cumming Oil & Fertilizer Co., Cumming, Ga.
Cummings, Bevis & Levan, mill & facty. supplies, Lancas...
Cummings Bros., carriages, Hudson, N. H.
Cummings Bros., stone prod., Voorheesville, N. Y.
Cummings & Downer, architects, Painesville, Ohio.
Cummings & Emerson, who. hdwe., Peoria, Ill.

mings, F. G., packing box mfrs., Lowell, Mass.
mings Filter Co., pressure, 2701 Liberty av, Pittsburgh, Pa.
mings, G. R., Jr., & Co., shoe blacking & polishes, 132 Reed, Milwaukee, Wis.
mings, Geo., & Son, tex. machy. (roll coverers), Fall River, Mass.
mings, H. P., Construction Co., Ware, Mass.
mings Iron Wks. & Supply Co., Walterboro, S. C.
mings, J. C., architect, Norwich, N. Y.
mings, J. C., contractor, Batavia, N. Y.
mings Josiah & Son, store trucks, 657 Atlantic av, Boston, Mass.
mings, M. F., cornices & skylights, Yazoo City, Miss.
mings, M. F., & Son, architects, Nat'l State Bk. Bldg., Troy, N. Y.
mings Machine Co., concrete mixers, Minister, Ohio.
mings Machine Wks., 110 High, Boston, Mass.
mings-Moberly Cypress Co., Moberly, La.
mings Moore Graphite Co., 670 Greene, Detroit, Mich.
mings Ship Instrument Works, marine specialties mfrs., 110 High, Boston, Mass.
mings Structural Concrete Co., Benedum Trees Bldg., Pittsburgh, Pa.
mings, T. A., Fdry. Co., 1338 Cortland, Chicago, Ill.
mings, W. H., & Sons, scrap rubber, 60 Harrison, New York.
mings, Wm. F., contr., 330 S. Paulina, Chicago, Ill.
mins, B. F., Co. See Cummins Perforator Co. (successors)
mins Canning Co., Conneaut, Ohio.
mins, Chas., flour mills, Cumminsville, Ky.
mins & Co., handles, Red Lick, Ky.
mins Perforator Co., 4760 W. Ravenswood av, Chicago, Ill.
ff, Chas., contractor, Title Guaranty Trust Bldg., St. Louis, Mo.
ingham, A. J., Co., meat pkrs., 34 Blackstone, Boston, Mass.
ingham, A. W. & Co., builders' supplies, Atlantic City, N. J.
ingham, B., architect, 120 B'way, New York
ingham & Birdwood, shaft couplings, Lynn, Mass.
ingham Brick Co., Greensboro, N. C.
ingham Bros., contractors, Beloit, Wis.
ingham, C. S. & Son Co., contrs., 23 Central av, Lynn, Mass.
ingham, C. S., & Sons Constr. Co., 7 Water, Boston, Mass.
ingham, Christopher, Co., tubular boilers, 437 Greenpoint av, Brooklyn, N. Y.
ingham Construction Co., Martinsville, Ind.
ingham, D. O., Glass Co., bottles & window glass, Jane & 22nd, Pittsburgh, Pa.
ingham, F. H. & J. G., architects, Greenville, S. C.
ingham, F. W., & Sons, contractors, Portland, Me.
ingham & Foley, Inc., contrs., 219 W. 116th, New York.
ingham, Frank M., contractor, Atlantic City, N. J.
ingham, G. F., elec. contr., San Diego, Cal.
ngham Hardware Co., Mobile, Ala.
ingham, H. F., architect, 1742 M, N. W., Washington, D. C.
ngham, J. H., Co., fndrs., 269 Congress, Boston, Mass.
ngham, Jas., Son & Co., automobile bldrs., Rochester, N. Y.
ngham, M. E., Co., steel stamps, 625 Smithfield, Pittsburgh, Pa.
ngham Packing Co., meat packers, 84 S. Market, Boston, lass.
ngham Paving & Constr. Co., 1345 Arch., Phila., Pa.
ngham-Penn. Steel Co., special machinery, Phila., Pa.
ngham Piano Co., 1101 Chestnut, Philadelphia, Pa.
ngham Plumbing Supply Co., plumbers' & steam fitters' upplies, 1234 Pennsylvania av, N. W., Washington, D. C.
ngham & Politee, architects, First Nat'l Bk. Bldg., San rancisco, Cal.
ngham, Richard, brick, Russiaville, Ind.
ngham, T., Co., contractors, 608 E. 15th, New York.
Engng. Corp., auto lamps & cigar lighters, Meriden, Conn.
, D., contractor, 21 Park row, New York.
s Adjustable Tooth Co., Tyrone, Pa.
s Mercantile Co., Ltd., whol. hdwe., Caldwell, Idaho.
s, Sam'l, Envelope Co., 6th & Cerre, St. Louis, Mo.
s, Sam'l, Woodenware Co., 7th & Spruce, St. Louis, Mo.
e Sulphur Corp., 50 E. 42d, New York.
n, Geo. W., flour, Rising Fawn, Ga.
n, Wm., & Sons, castings, Dayton, Ohio
an, F. S., Mfg. Co., electric flashlights, Marysville, Mo.
t. W., & Son, architects, 548 S. Spring, Los Angeles,
Phelan Bldg., San Francisco, Cal.
Bros., mason's & builder's materials, Wakefield, Mass.
, J., & Bro., whol. hdwe., 87 Duane, New York.
v, R. C., machinist, Sonora, Cal.
v & Mundy, contractors, Vicksburg, Miss.
Bros. & Murphy, stone prod., 305 Douglas, Brooklyn, Y.
. Jas., cornices, Syracuse, N. Y.
. Jas. H., Elevator Co., 114 W. 2d, Cincinnati, Ohio.
Lumber Co., Lexington, Ky.
Supply Co., steam fitters' supplies, 512 W. 36th, New rk.
-Swartout Co., Inc., contrs., Granite Bldg., Rochester, Y.
Bros., Co., fertilizer mfrs., Milwaukee, Wis.
Canning Co., Grand Junction, Colo.
Co., mill & facty. supplies, Atlantic City, N. J.

Currie Hdwe. Co., Mason City, Iowa.
Currie, J. B., & Son, machsts., 72 Adams, Brooklyn, N. Y.
Currie, J. L., & Co., lumber, Carthage, N. C.
Currie Lbr. Co., Fayetteville, N. C.
Currie, Malcom, contractor, Attleboro, Mass.
Currie, Marvin & Son, contrs., Johnstown, N. Y.
Currie, Thos. E., contractor, Magraw Bldg., Detroit, Mich.
Currie Windmill Co., Topeka, Kans.
Currier-Cameron Co., auto. wood bodies, 85 Elm, Amesbury, Mass.
Currier, Chas. E. & Co., contractors, 10 High, Boston, Mass.
Currier, Cyrus, & Sons, leather & oilcloth, etc., machy., 365 Market, Newark, N. J.
Currier Lbr. Corp., Glamorgan, Va.
Currier Mfg. Co., filing cabinets, Boston Blk., Minneapolis, Minn.
Currier Needle Co., Manchester, N. H.
Currier, R. B., Co., lbr. mfrs., Springfield, Mass.
Curry Bros. Lbr. Co., Druid, N. C.
Curry Bros. Oil Co., lubrg. oils, 253 Franklin, Boston, Mass.
Curry Champion Fly Trap Co., Paducah, Ky.
Curry, J. P., Mfg. Co., bag tyers, 280 Madison av, New York.
Curry, J. W., Co., belting, harness, straps, etc., 2615 Cummins, Cincinnati, Ohio.
Curry, Robt. W., contractor, Newport, R. I.
Curry-Wagner Construction Co., 1900 Euclid av, Cleveland, O.
Curry's, Wm., Sons Co., masons' & bldrs. matls., Key West, Fla.
Curtain Supply Co., car curtains & trimmings, 320 W. Ohio, Chicago, Ill.
Curtainless Shower Co., shower baths, 25 W. B'way, New York.
Curtice Bros. Co., canned goods, Rochester, N. Y.
Curtice, J. E., lumber, Coleman, Mich.
Curtin & Clark Hardware Co., Kansas City, Mo.
Curtin, Hebert, Co., glove mach., Gloversville, N. Y.
Curtin, John (Inc.), yacht sails, 71 Front, New York
Curtin, J. P., architect, Tulsa, Okla.
Curtin-Ruggles Co., contractors, 39 Cortlandt, New York.
Curtin, Wm. H., Mfg. Co., htg. contrs., 331 Adam, Brooklyn, N. Y.
Curtis, Albert B., oil extractions, Worcester, Mass.
Curtis, Booth & Bently Co., sash, door & blind, Oklahoma, Okla.
Curtis-Brislin Lbr. Co., sash, door & blind mfrs., 3290 Atlantic av, Brooklyn, N. Y.
Curtis & Bro., paper & pulp mills, Newark, Del.
Curtis Bros., sashes, doors & blinds, East Orange, N. J.
Curtis Bros. & Co., lumber mfrs., Clinton, Ia.
Curtis, C. H., cornices & skylights, Waldboro, Me.
Curtis, C. M., architect, Vinney Bldg., Syracuse, N. Y.
Curtis, Chas. E., & Son, stone producers, Salem, Mass.
Curtis & Co., sashes, doors & blinds, 25 8th, Zanesville, Ohio.
Curtis & Co. Mfg. Co., mill & facty. supplies, 215 N. Desplaines, Chicago, Ill.
Curtis & Co. Mfg. Co., pneumatic machy., saws, clutch discs, etc., 1571 Kienlen av, St. Louis, Mo.
Curtis Corporation, canned goods., Long Beach, Cal.
Curtis & Curtis Co., steam fitters' supplies, mfrs., Bridgeport, Conn.
Curtis Dexter Co., horse collar pads, etc., Madison, Wis.
Curtis, Espy & Co., hrwe. mfrs., 158 N. Ashland blvd., Chicago, Ill.
Curtis, F. M., architect, Tampa, Fla.
Curtis, Fred W., plate glass, Troy, N. Y.
Curtis, Geo. R., paving contrs., 2440 E. 26th, Los Angeles, Cal.
Curtis & Gindall, contrs., Joliet, Ill.
Curtis & Haire, machsts., Woodsfield, Ohio.
Curtis, Henry Loomis, architect, Abington, Pa.
Curtis, Herman G., architect, 38 Wilby, Boston, Mass.
Curtis, J. A., cornices, Red Hook, N. Y.
Curtis, J. H., landscape archs., 220 Devonshire, Boston, Mass.
Curtis, Jas. C., & Co., coffins, etc., 1222 W. Van Buren, Chicago, Ill.
Curtis, John B., architect, Port Henry, N. Y.
Curtis, John, & Co., contractors, Wilkes-Barre, Pa.
Curtis-Leger Fixture Co., metallic shades, 235 W. Jackson blvd., Chicago, Ill.
Curtis, M. J., architect, Reno, Nev.
Curtis Machine Co., Milan, Ohio.
Curtis Machine Corp., wood working machy., Jamestown, N. Y.
Curtis & Marble Mach. Co., textile machy., Worcester, Mass.
Curtis, Mont G., Co., horse collars, Troy, N. Y.
Curtis, N. A., Mfg. Co., carpet sweepers, Columbus, Ohio.
Curtis & Pope Lumber Co., masons' & bldrs.' matls., 774 Albany, Boston, Mass.
Curtis, S. P., & Son ,masons' & bldrs.' matls., Rutland, Vt.
Curtis Sash & Door Co., Sioux City, Ia.
Curtis Screw Wks., Buffalo, N. Y.
Curtis & Spindell Co., elastic hosiery, Lynn, Mass.
Curtis Tire & Rubber Co., Muskegon, Mich.
Curtis T. I. & Son, contrs., Nashville, Tenn.
Curtis & Tompkins, chemists, 331 California, San Francisco, Cal.
Curtis, Towle & Paine Co., sashes, doors, blinds & store fixtures, Lincoln, Neb.
Curtis Truck & Forging Co., machinists, Decatur, Ill.
Curtis & Von Bernuth Mfg. Co., auto. & carriage robes & rugs 88 W. B'way, New York.
Curtis, W. H., naval arch., Bates Bldg., Portland, Ore.
Curtis Wharf Co., masons' & bldrs.' matls., Anacortes, Wash.
Curtis, Wm., Sons Co., lumber, 30 Eustis, Boston, Mass.

Curtis-Willis Co., machy. dlrs., 30 Church, New York.
Curtis & Yale Co., masons' & bldrs.' matls., Wausau, Wis.
Curtis-Yale Howard Co., wood handles, 1805 S. E. 5th, Minneapolis, Minn.
Curtiss Aeroplane & Motor Corp., 1972 Elmwood, Buffalo, N. Y.
Curtiss Bros., sewing tables, Richland, N. Y.
Curtiss & Dean, contractors, Hartford, Conn.
Curtiss, Harold M., Coal Co., masons' & bldrs.' matls., Milford, Mass.
Curtiss, J. H., Co., ship water closets, 2 South, New York.
Curtiss, Louis, architect, 1118 McGee, Kansas City, Mo.
Curtiss & Pierpont Co., cornices, New Haven, Conn.
Curtiss, W. L., ties, poles, etc., Birge Bldg., Buffalo, N. Y.
Curtiss, Wm. M., Co., masons' & bldrs.' matls. & mill & facty. supplies, 5016 20th, N. W., Seattle, Wash.
Curtisville Tile & Brick Co., Curtisville, Ind.
Cusack, Andrew M., contractor, 319 Washington, Boston, Mass.
Cusack Hardware Co., wholesale hardware, 1004 Arch, Phila., Pa.
Cusacks, Philip Allain, archt., 12 E. 46th, New York.
Cusack, Thos., Co., signs, Harrison & Loomis, Chicago, Ill.
Cushen, P. J., contractor, 217 St. Paul, Baltimore, Md.
Cushing & Anderson, glass stainers, 155 Dudley, Rox., Boston, Mass.
Cushing, D., & Co., carnices, Lowell, Mass.
Cushing, G. W., contr., Richmond, Cal.
Cushing, L. W., & Son, weather vanes, Waltham, Mass.
Cushing Refining Co., petroleum and its products, Cushing, Okla.
Cushman Auto Tool Co., Champaign, Ill.
**Cushman Chuck Co., Hartford, Conn.**
Cushman & Denison Mfg. Co., stationers' spec., 240 W. 23d, New York.
Cushman Electric Co., machsts. & fndrs., Concord, N. H.
Cushman, H. T., Mfg. Co., music stands, North Bennington, Vt.
Cushman Motor Wks., engines, etc., Lincoln, Neb.
Cushman, Person W., steam htg. contr., 7516 Decker av, N. E., Cleveland, Ohio.
Cushman & Rankin Co., paper & pulp mills, Bath, N. H.
Cushman Sprayer Co., machsts. & fndrs., St. Joseph, Mo.
Cushman, W. D., masons' & bldrs.' matls., Poseyville, Ind.
Cushnoc Paper Co., Augusta, Me.
Cushwa, Victor, & Sons, masons' & bldrs.' matls., Williamsport, Md.
Cusick Cornice & Roofing Co., 2602 5th av, Pittsburgh, Pa.
Cussins, Chas. D., Co., wholesale hdwe., 170 N. 3d, Columbus, O.
Cussins & Fearn Co., whol. hdwe., 48 Spring, Columbus, Ohio.
Custen Bros., button mfrs., 111 5th av, New York.
Custer Coupling Co., Bradford, Pa.
Custer Lumber Co., Custer, Wash.
Custer Milling Co., flour, Custer, Okla.
Custer & Seltzer, architects, Camden, N. J.
Custer Specialty Co., aneroids, statoscopes & juvenile auto, 28 N. Ludlow, Dayton, O.
Custer, W. F., & Son, carriage wrenches, hand power punch & shear combined, Summitville, Ind.
Custodis, Alphons, Chimney Const. Co., 95 Nassau, New York.
Custodis Chimney Co., contractors, 140 S. Dearborn, Chicago, Ill.
Cutaway Harrow Co., clod crushers, cutters, etc., Higganum, Conn.
Cuthbert Bros. Co., contractors, Bessemer Bldg., Pittsburgh, Pa.
Cuthbert, E. D., architect, 435 Kansas av, Topeka, Kan.
Cuthbert Oil Co., Cuthbert, Ga.
Cuthbertson, Elmer L., contractor, 334 Rox av, Philadelphia, Pa.
Cuthrell, John A., lbr. mfrs., Greentown, Ind.
Cuthrell, John, Box Co., lbr., Norfolk, Va.
Cutler Desk Co., filing cabinets, Buffalo, N. Y.
Cutler Dry Kiln Co., 20 Churchill, Buffalo, N. Y.
Cutler-Hammer Mfg. Co., electric controlling apparatus, lifting magnets & magnetic clutches, 12th & St. Paul av, Milwaukee, Wis. *See adv. index at end of book.*
Cutler Hardware Co., Waterloo, Ia.
Cutler, Magner Co., masons' & bldrs.' matls., Duluth, Minn.
Cutler Mail Chute Co., Rochester, N. Y.
Cutler Mills. See Reid Mills Co. (successors)
Cutler & Procter Stove Co., mchts. & fndrs., Peoria, Ill.
Cutler & Woodbridge, architects, 13th & N. Y. A., N. W., Washington, D. C.
Cutlers Pearl Mfg. Co., pocket knives, 55 Commercial, Newark, N. J.
Cutshall & Cutshall, contractors, Brazil, Ind.
Cutshall, Ira F., architect, Tarentum, Pa.
Cutsinger, F. M., lbr. mfrs., Evansville, Ind.
Cutter Elect'l & Mfg. Co., mfg. I-T-E circuit breakers (electrical), 19th & Hamilton, Phila., Pa.
Cutter & Cutter, auto trunks, 95 Bedford, Boston, Mass.
Cutter, George, Co., electrical lighting equipment, South Bend, Ind.
Cutter & Kirtland, architects, Sherwood bldg., Spokane, Wash.
Cutter, Leslie W., contractor, Bangor, Me.
**Cutter Mfg. Co., rope cutters & twine holders, Orient av,** Everett Station, Boston, Mass.
Cutter, Olin W., architect, 683 Atlantic av, Boston, Mass.
Cutter, Scott C., testing clamps, Oswego, Ill.
Cutter & Smith Co., sash, door & blind mfrs., 2176 Washington, Rox., Boston, Mass.
Cutter-Tower Co., toothpick mfrs., 326 Broadway, New York.
Cutter W. C., clay miners, Woodbridge, N. J.

Cutter & Wood Supply Co., machinists', foundry, metal polis & platers' & general facty. supplies, 77 Pearl, Boston, *See adv. index at end of book.*
Cutting, Carleton & Cutting, architects, 44 Front, Worc Mass.
Cutting, Frank R., masons' & bldrs.' matls., Lapeer, Mich.
Cutting & Washington Radio Corp., wireless telegraph i ments, 6 & 8 W. 48th, New York.
*See adv. index at end of book.*
Cuyahoga Boiler Works, 1206 Main av, Cleveland, Ohio.
Cuyahoga Builders' Supply Co., Schofield Bldg., Cleveland,
Cuyahoga House Wrecking Co., bldg., materials, 6311 Ki rd, Cleveland, Ohio.
Cuyahoga Lumber Co., 1948 Carter rd, Cleveland, Ohio.
Cuyahoga Machine & Tool Co., 12416 Euclid av, Cleveland.
Cuyahoga Rendering & Soap Works, Denison av, S. W., land, Ohio.
Cuyahoga Roofing Co., cornices & skylights, Woodland & R R., Cleveland, Ohio.
Cuyahoga Spring Co., 10253 Berea rd., Cleveland, Ohio
*See adv. index at end of book.*
Cuyahoga Tool Co., mchts., 103 E. Howard, Cleveland, Oh
Cuyahoga Varnish Co., 8820 Bessemer av, Cleveland, Ohi
Cybur Lbr. Co., Cybur, Miss.
Cuyler & Mohler, mill & facty. & plumbers' supplies, 611 W. Baltimore, Md.
Cuyuna-Minneapolis Iron Co., 514 Plymouth Bldg., Minne Minn.
Cycle Hatcher Co., incubators, Elmira, N. Y.
Cycle Washing Mach. Co., 160 Ann, Chicago, Ill.
Cyclemotor Corp., 149 Cady, Rochester, N. Y.
Cyclomobile Mfg. Co., Toledo, O.
Cyclone Blow Pipe Co., 2552 W. 21st, Chicago, Ill.
*See adv index at end of book*
Cyclone Fence Co., gates & iron fences, Waukegan, Ill.
Cyclone Grate Bar Co., 9 Grimes, Buffalo, N. Y.
Cyclone Mach. Co., coal drills, Pittston, Pa.
Cyclone Brush Co., hand vacuum cleaners, Bradford, Pa.
Cyclone Seeder Co.,, Urbana, Ind.
Cyclops Foundry Co., gray iron castings, Union Bk. Bldg., burgh, Pa.
Cyclops Iron Works, 837 Folsam, San Francisco, Cal.
Cyclops Steel Co., steel mfrs., 120 Broadway, New York.
Cypher, J. L., fndrs., Connellsville, Pa.
Cyphers Incubator Co., 14 W. Bennett, Buffalo, N. Y.
Cypress Lumber Co.,, 88 Broad, Boston, Mass.
Cyr, John & Co., contrs., Lawrence, Mass.
Czar Ignition Co., spark plugs, 531 Ellicott, Buffalo, N.
Daarf Contrg. Corp., 117 W. 25th, New York.
Dabbs & Wetmore, contrs., Meredien, Minn.
Dadant & Sons, bee keepers' supplies, Hamilton, Ill.
Dade Lumber Co., West Palm Beach, Fla.
Dadeville Cotton Oil Co., cottonseed meal, Dadeville, Al
Dadswell, Arthur L., contractor, 334 E. Ferry, Buffalo,
Dady, M. J., contractor, 350 Fulton, Brooklyn, N. Y.
Daegling, A. V., contractor, 9000 Houston av, Chicago,
Daemicke, Paul J., Co., butchers' machy. & supplies, South Water, Chicago, Ill.
Dafoe-Eustice Co., canvas covers, 1164 W. Jefferson, Mich.
**DAFT, A. C.,** ferro tungsten, tungsten metal, tungst Oliver Bldg., Pittsburgh, Pa.
*See adv. index at end of book.*
Daggett & Curry Co., shades, Waltham, Mass.
Daggett, E. P., Canning Co., Coopersville, Mich.
Daggett Galvanizing & Plating Co., Syracuse, N. Y.
Daggett, R. Frost, & Co., architects, Lemcke Annex. apolis, Ind.
Daggett, R. P., & Co., architects, Lemcke Annex, Indla Ind.
Daggitts, Wm. K., & Sons, soap & soap yowders, 383 W New York.
Daggetts & Ramsdell, shaving soap, 214 W. 14th, New
D'Agostino, Jos., Co., contrs., 1834 Main, Bridgeport, C
Dahill, F. J., Co., contractors, 217 Water, New Haven,
Dahl, E. A., contractors, Duluth, Minn.
Dahl, Henry C., contractor, 231 S. 8th, Philadelphia, Pa
Dahl Mfg. Co., heat regulators, Minneapolis, Minn.
Dahl Punctureless Tire Co., 1424 Hennepin av, Minn Minn.
Dahl-Stedman Co., contrs., 3363 Fillmore, Chicago, Ill.
Dahlberg, John J., contr., Galesburg, Ill.
**Dahlberg Office Supply Co., loose leaf devices, Des Moine**
Dahlman Constr. Co., Majestic Bldg., Milwaukee, Wis.
**Dahlquist Machy. Co., 240 S. Exchange, St. Paul, Minn.**
Dahlquist Mfg. Co., coppersmiths, 40 W. 3rd, So. Boston
*See adv. index at end of book.*
Dahlstrom Metallic Door Co., 413 Buffalo, Jamestown,
*See adv index at end of book.*
Dahmke, John J. A., Pkg. Co., meat, 2334 W. Lake, Chic
Dahnke-Walker Milling Co., flour, Union City, Tenn.
Daigger, A., & Co., laboratory supplies, 54 W. Kinzie, Ill.
Daigle, A. F., & Son, lbr., Soldier Pond, Me.
Daigle Iron Works, 549 W. Lafayette, Detroit, Mich.
Daigneault, A., contractor, Woonsocket, R. I.
Dail Steel Products Co., stamping works, Lansing, Mich

il, W. H., Jr., brick, Greenville, N. C.
iley, L. W., Stove Wks., Stillwater, Minn.
iley-Udell Co., canned goods, Brockport, N. Y.
ily Mfg. Co., sporting goods, 432 E. 7th, St. Paul, Minn.
in Mfg. Co. of Iowa, agricultural implements & automobile bldrs., Ottumwa, Ia.
in & Vermilyea, M., masons' & bldrs.' matls., Flint, Mich.
ins, N., Sons Co., masons' & bldrs.' matls., Peekskill, N. Y.
iry Cream Separator Co., Lebanon, Ind.
iry Machinery & Constr. Co., creamery machy., freezers, etc., Derby, Conn.
iry Specialty Co., machsts., West Chester, Pa.
irymen's Supply Co., milk bot. caps, 1919 Market, Phila., Pa.
isy Mfg. Co., machsts. & fndrs., Plymouth, Mich.
ke Engine Co., hoists, Grand Haven, Mich.
kota Construction Co., Grand Forks, N. D.
kota Iron Store, Sioux Falls, S. D.
kota Plaster Co., Rapid City, S. D.
land & Co., soap, 203 W. B'way, New York.
lby, H. L., canned goods, San Bernardino, Cal.
le Brewster Mach Co., Inc., dealers, 54 Lafayette, New York.
le, Chas. M., & Co., contrs., Lebanon, Ind.
e, Guy, architect, Corpus Christi, Tex.
e, John P., Machy. Co., Nashville, Tenn.
e Lighting Fixture Co., 107 W. 13th, New York.
e, Margaret, clothes lines, cotton mops, Arlington, Mass.
e-Rey Corp., machy. mfrs., 25 Church, New York.
eville Canning Co., Daleville, Ind.
eville Glass Co., bottles, Daleville, Ind.
ey Bros. Constr. Co., Bolivar, Ohio.
ey, Chas. & Co., contractors, Railway Exch. Bldg., Seattle, Wash.
ey Geo. R., grading contr., San Diego, Cal.
ey Ldry. Machy. Wks., 337 Butler, Brooklyn, N. Y.
ey, R. A., sashes, doors & blinds, Rawlins, Wyo.
ey, Robt. D., Co., contractors, 6 Church, New Haven, Conn.
gleish, W. S., contractor, Burlington, Ia.
glish, Robert, contractor, Morristown, N. J.
r & Lindberg, sash, door & blind mfrs., Seattle, Wash.
rkena Lumber Co., Dalkena, Wash.
, Bowers, Inc., contractor, 348 Trumbull, Hartford, Conn.
, J., Constr. Co., Grand Central Terminal, New York.
. Wm., contractor, 1276 W. 3rd, N. W., Cleveland, Ohio.
as, A. C., & Sons. See Dallas Brass & Copper Co. (successors)
as, B. B., tubular boilers, Knoxville, Tenn.
as & Bertram, mill & facty. supplies, New Iberia, La.
as Brass & Copper Co., rods, sheets, tubes, etc., 820 Orleans, Chicago, Ill.
as Coffin Co., Dallas, Tex.
as Cooperage & Woodenware Co., Dallas, Tex.
as Cotton Mills, Dallas, Tex.
as Fertilizer Reduction Co., Dallas, Tex.
as Fdy., Dallas, Tex.
as Iron Wks., Dallas, Ore.
as Lime & Gravel Co., Dallas, Tex.
as Mfg. Co., cotton sheetings, Huntsville, Ala.
as Mill Supply Co., Dallas, Texas.
as & Nardulli, stone producers, 608 Larimer av, Pitts., Pa.
as Oil & Refining Co., Dallas, Tex.
as, S. C., architect, 1832 S. 10th, E., Salt Lake City, Utah.
as Screen Co., Dallas, Tex.
as Show Case & Mfg. Co., Dallas, Tex.
as Waste Mills, cotton & wool, Dallas, Tex.
aske, A. C., & Co., architect, Federal bldg, Youngstown, Ohio
att & Co., elec. ry. supplies, Harrison Bldg., Phila., Pa.
att, E. James, architect, Equitable Bldg., Wilmington, Del.
att, Thos. H., Co., pneumatic tools, 1301 Federal, Phila., Pa.
ay, F. F., Co., shoe polishes, Buffalo, N. Y.
as, P. A. (mill & engr.), architect, Candler Bldg., Atlanta, Ga.
gan, Chas. F., & Son, stone producers, 5816 Laflin, Chicago, Ill.
gan & Cooper Supply Co., mill & facty. supplies, Fond Du Lac, Wis.
, S. W. R., masons' & bldrs. matls., Seattle, Wash.
mple, H. L., canned goods, Marshfield, Mo.
y, Harry L., architect, 2321 W. North av, Chicago, Ill.
n Adding Machine Co., Norwood, Cincinnati, Ohio.
n Auto. & Machine Co., Dalton, Ga.
n Bros. Brick Co., Hopkinsville, Ky.
n Bros., hdwe, Winston-Salem, N. C.
n Excelsior Co., Dalton, Ga.
n Foundry, Warsaw, Ind.
n, Henry, & Sons Co., machinist, Oakland, Cal.
n-Ingersoll Mfg. Co., plumbers' supplies, jobbers, 52 Chauncy, Boston, Mass.
n, J. D., & Son, masons' & bldrs.' matls., Aurora, Ill.
n, John, electroplating, 20 Jacob, New York.
n, Jno., Co., Ltd., masons' & bldrs' matls., Morgan City, La.
n Mfg. Corp., lathes, 1915 Park av, New York.
n Pottery Co., Dalton, Ohio.
n Supply Co., plbrs. supplies, etc., Dalton, Pa.
n, V. N., architect, Foxcroft bldg., San Francisco, Cal.
Bros., Sup. & Engng. Co., steam fitters' supp., Waterbury, onn.

Daly & Hannan Dredging Co., Ogdensburg, N. Y.
Daly & Hopper, cornices & skyl'ts, 1802 11th, Washington, D. C.
Daly, J. A., brick, Nevada, Mo.
Daly, John J., Iron, Steel & Metal Co., 101 Nott av, Long Island City, N. Y.
Daly, M., stone producers, Conshohocken, Pa.
Daly, M. J., & Sons, mechanical & construction engineers, also jobbers in mill, steam & plumbing & factory supplies, 543 to 555 Bank, Waterbury, Conn.
Daly & Merritt, contrs., Portchester, N. Y.
Daly Plumbing Supply Co., 93 Cummings, Boston, Mass.
Daly & Rutherford, cornices, Jackson, Mich.
Daly, T. J., contractor, Augusta, Ga.
Dalzell Bros. Co., cornices, Youngstown, Ohio.
Dalziel-Moller Co., plumbers' supplies, jobbers, 556 Mission, San Francisco, Cal.
Damas & Francis, machsts., Sonora, Cal.
Damascus Brake Beam Co., London rd & Nickel Plate, Cleveland, Ohio.
Damascus Bronze Co., bronze castings and ingot metals, Pittsburgh, Pa. *See adv index at end of book.*
Damascus Crucible Steel Casting Co., New Brighton, Pa.
Damascus Lbr. Co., Damascus, Va.
Damascus Mfg. Co., oils & greases, Cassius, Cleveland, Ohio.
Dambach, Edw., Co., lumber, Evans City, Pa.
Dame Mantel Co., masons' & bldrs.' matls., Harriman, Tenn.
Dame, Melvin A., & Son Co., heaters, Lynn, Mass.
Dame, Stoddard, Co., who. hdwe., 374 Washington, Boston, Mass.
Dameron-Pierson Co., Ltd., mfg. stationery, 400 Camp, New Orleans, La.
Dameron, W. A., & Bro., canned goods, Weems, Va.
Damhorst, Wm. S., brick, Quincy, Ill.
Damm, Jos., stone producers, 1403 East, Pittsburgh, Pa.
Damon, Arlington, machsts. & fndrs., Buckfield, Me.
Damon Bros., axe mfrs., Carmel, Me.
Damon, C. Page, architect, Haverhill, Mass.
Damon Co., buttons & horn hair pins, Leominster, Mass.
Damon, E. O., Jr., architect, Fort Dodge, Ia.
Damon, Geo., & Sons, printing presses & machy., 44 Beekman, New York.
Damon & Glenn, general machsts. & die makers, 189 High, Boston, Mass.
Damon, J. F., machsts. & fndrs., Milford, Mass.
Damon Spec. Co., auto polish, 516 E 9th, Los Angeles, Cal.
Damon, W. F., flour mills, Elkton, Ky.
Damon, W. L., Co., masons' & bldrs.' matls., New Britain, Conn.
Damon, Walter S., packing boxes, State Line, N. H.
D'Amour Mach. Wks., 78 Cortlandt, New York.
Dan Patch Co., children's vehicles, Connersville, Ind.
Dan Valley Mills, flour, Danville, Va.
Dana, C. H., markers (poultry, cattle, etc.), West Lebanon, N. H.
Dana Canned Goods Co., Belpre, Ohio.
Dana Ca., machsts. & fndrs., Platteville, Wis.
Dana & Company, Inc., steel ferro metals and heavy chemicals imntrs., 111 B'way, New York.
Dana, Edward Percy, architect, 120 Tremont, Boston, Mass.
Dana Hardware Co., 28 Pearl, Boston, Mass.
Dana, Richard Henry, Jr., architect, 331 Madison av, New York
Dana Warehouse Co., masons' & bldrs.' matls., 271 Snelling av, N., St. Paul, Minn.
Dana Warp Mills, bags, etc., Westbrook, Me.
Danaher Lumber Co., Tacoma, Wash.
Danaher, R. E., Co., lumber, Majestic Bldg., Detroit, Mich.
Danahy Packing Co., meat, 25 Metcalf, Buffalo, N. Y.
Danberg C. A. Co., brass & composition fndrs, New Britain, Conn.
Danbury Hardware Co., Danbury, Conn.
Danbury Square Box Co., Danbury, Conn.
Dancyger Safety Pin Ticket Co., 4707 Detroit, Cleveland, Ohio.
Dane Machine Co., Salem, Mass.
Dane Mfg. Co., insulation, 333 6th av, Newark, N. J.
Danforth Chemical Co., insecticides, Leominster, Mass.
Danforth, Eugene, spool wood, Bangor, Me.
Danforth, John W., Co., contractors, 70 Ellicott, Buffalo, N. Y.
Dangel, David, & Sons, contractors, Wilmington, Del.
Dangler, Harold G., architect, 215 Montague, Brooklyn, N. Y.
Dangler Stove Co., 5017 Perkins av, Cleveland, Ohio.
Dangles, Jacob, & Son, meat packers, 722 Myrtle av, Bklyn., N. Y.
Daniel Contracting Co., 503 Market, San Francisco, Cal.
Daniel, G. W., canned goods, Amburg, Va.
Daniel, Jacob, Brick Co., 291 Clippert av, Detroit, Mich.
Daniel Sons & Palmer Co., fertilizer, Millen, Ga.
Daniel, W. H., Supply Co., fertz. mfrs., Mullins, S. C.
Daniels, Arthur, Co., contrs., tools & supp., 13 Park Row, New York.
Daniels, C. R., Inc., sail makers, etc., 115 South, New York
Daniels, Chas. A., contrs., Adams, Mass.
Daniels, D. L., & Co., granite producers, Milford, N. H.
Daniels, Fred, fertilizer mfr., Johnsonburg, N. Y.
Daniels, Fred G., architect, Pawtucket, R. I.
Daniels, Geo. A., gas ranges, 100 William, New York.
Daniels, Geo. E., carriage wheels, Rowley, Mass.
Daniel's, Jack, Old Time Distillery, Lynchburg, Tenn.
Daniels & Lyst, contractors, Anderson, Ind.
Daniels Mach. Co., cutting machy., S. Royalton, Vt.
Daniels, Moses, cornices & skylights, Brunswick, Ga.

Daniels Motor Car Co., Reading, Pa.
Daniels, Oscar, Co., contractors, iron & steel, 325 W. 29th, Chicago, Ill.
Daniels Road Oiling Co., 171 Westminster, Providence, R. I.
Daniels, Sam'l A., machinist, Waterville, N. Y.
Daniels, Z. C., lbr., Beckville, Texas.
Danielson, B. J., bldg. contr., 638 Mineral, Milwaukee, Wis.
Danielson, Chas., contractor, Duluth, Minn.
Danielson, Daniel, contractor, 874 Layton blvd, Milwaukee, Wis.
Danielson Engine Works, 507 W. Jackson, Chicago, Ill.
Danielson, J. C., & Co., pliers, Jamestown, N. Y.
Danielson & Pierce, lbr., Rhinelander, Wis.
Danis, Hunt, Constr. Co., Main bet. 1st & 2nd, Dayton, Ohio.
Danker, Brunn, & Son, contractors, Johnstown, Pa.
Dann Bros. & Co., auto. bodies, fenders, seats, etc., New Haven, Conn.
Dann Products Co., bronze bearings, 1084 E. 152nd, Cleveland, O.
Dannehl, Valentine, machsts. & fndrs., Fredericksburg, Va.
Dannenhoffer Glass Wks., 330 Himrod, Brooklyn, N. Y.
Danner, Adam, Co., machinists, Yonkers, N. Y.
Danner, J., broom corn, Humboldt, Ill.
Danser Mfg. & Supply Co., mill & facty. supplies, Weston, W. Va.
Dantzler, L. N., Lbr. Co., Moss Point, Miss.
Dantzler Shipbldg. & Dry Dock Co., Moss Point, Miss.
Dant & Russell, Inc., lbr., Northwestern Bank bldg., Portland, Ore.
Danubil Co., Inc., packing mfrs., Postal Telegraph Bldg., New York.
Danver, R. H., machinist, 845 Pennsylvania av, N. S.,, Pittsburgh, Pa.
Danvers Leather Co., leather boards, 161 Devonshire, Boston, Mass.
Danversport Rubber Co., Danversport, Mass.
Danville Brick Co., Danville, Ill.
Danville Buggy Co., Danville, Ill.
Danville Canning Co., Danville, Ind.
Danville Hardware Co., Danville, Va.
Danville Hardware & Supply Co., plumbers' supp., Danville, Pa.
Danville Iron & Steel Co., Danville, Pa.
Danville Lime & Cement Co., masons' & bldrs.' matls., Danville, Ill.
Danville Lounge & Mattress Co., Danville, Ill.
Danville Lbr. Co., Danville, Ill.
Danville Lumber & Mfg. Co., Danville, Ky.
Danville Lumber & Mfg. Co., Danville, Va.
Danville Malleable Iron Co., Danville, Ill.
Danville Stove & Mfg. Co., Danville, Pa.
Danville Struct. Tubing Co., Danville, Pa.
Danz, H., Jr., cornices & skylights, Green Bay, Wis.
Danzeisen Pckg. Co., meat packers, Decatur, Ill.
Danzer Lumber Co., Hagerstown, Md.
Danzer Metal Works, cornices & skylights, Hagerstown, Md.
Danzer, Wm. F., & Co., contractors, South Bethlehem, Pa.
Danzis, G., watchmakers' tools, 47 Ann, New York.
D. & A. Post Mould Co., Three Rivers, Mich.
Daprato Statuary Co., marble interior wk., 766 W. Adams, Chicago, Ill. *See adv. index at end of book.*
Darby, Edw., & Sons Co., wire goods, 412 N. 18th, Phila., Pa.
Darby, H. M., architect,, Elkins, W. Va.
Darby & King Hdwe. Co., Florence, Ala.
Darby, Rezin W., contractor, 3009 O, N. W., Washington, D. C.
Darbyshire, A. J., brick, Sabina, Ohio.
Darbyshire, Harvie, Iron & Mach. Co., El Paso, Tex.
Darcey, D. J., contractor, West New Brighton, N. Y.
Darche Mfg. Co., elec. alarm clocks, 643 W. Washington, Chicago, Ill.
D'Arcy & Sons Co., sash, door & blind, 61 Washington, N., Boston, Mass.
D'Arcy Spring Co., Kalamazoo, Mich.
Darden, J. M., contractor, Suffolk, Va.
Dare Lbr. Co., Elizabeth City, N. C.
Dargan Wagoner Co., lbr., Pamplico, S. C.
Dargent, Chas., glass floats, 360 Crescent, Brooklyn, N. Y.
Dark & Co., contractors, 654 Main, Buffalo, N. Y.
Dark, Stephen C., architect, 159 E. Market, Indianapolis, Ind.
Darling, C. H., mill & facty. supplies & whol. hdwe., Woonsocket, R. I.
Darling, C. Harry, machinist, Trenton, N. J.
Darling, C. P., Co., packing boxes & cloth boards, 415 Charles, Providence, R. I.
Darling, Chas., & Co., lbr., 1055 W. 22d, Chicago, Ill.
Darling & Co., tallow, 4201 S. Ashland av, Chicago, Ill.
Darling, F. W., Co., masons' & bldrs.' matls., Hyde Park, Mass.
Darling, J. W., Lumber Co., 2d National Bk. Bldg., Cincinnati, O.
Darling, Joseph E., architect, Bennett Bldg., Fall River, Mass.
Darling, Jos. M., contractor, Fall River, Mass.
Darling, L. B., Fertilizer Co., Worcester, Mass.
Darling Machine Co., machsts. & fndrs., 2110 Superior av, N. W., Cleveland, Ohio.
Darling, O. J., & Co., plumbers' pumps, 372 Kirby av, W. Detroit, Mich.
Darling-Slade Constr. Co., Newport, R. I.
Darling, H. J., architect, Empire bldg., Detroit, Mich.
Darling Valve & Mfg. Co. (Ltd.), Williamsport, Pa.
Darling, Walter S., masons' & bldrs.' matls., Kingston, N. Y.
Darling, Wm. P., masons' & bldrs.' matls., Kalamazoo, Mich.
Darlington Brick & Mining Co., Darlington, Pa.
Darlington Brick & Tile Co., Darlington, S. C.
Darlington Fertilizer Co., Darlington, S. C.
Darlington, Howard G., contractor, West Chester, Pa.
Darlington Iron Wks., Darlington, S. C.
Darlington's, M., Sons, canned goods, Pomeroy, Pa.
Darmer, C. A., architect, 1111½ B'way, Tacoma, Wash.
Darnell, R. J., Inc., lbr., Batesville, Miss.
Darr, J. M., & Sons Planing Mill Co., 1317 Kentucky av, Louis, Mo.
Darragh, Small & Co. (Ltd.), cocoanut oil, cocoa mats, 177 ter, N. Y. City.
Darrah Milling Co., flour, Big Rapids, Mich.
Darrah, R. F., Lbr. Co., Meridian, Miss.
Darrin, D. H., rheostats, 4 White, New York.
Darrow, Alfred L., architect, 8 Beacon, Boston, Mass.
Darrow & Comstock Co., mill & facty. supplies, New Lon Conn.
Darrow, F. H., Steel Boat Co., Albion, Mich.
Darrow's, Rufus, Son, masons' & bldrs.' matls., 618 W. New York.
Darsh, Chas. H., architect, Westfield, N. J.
Darst, Otto C., architect, Brunson Bldg., Columbus, O.
Dart, E. M., Mfg. Co., pipe union mfrs., 134 Thurbers av, P dence, R. I. *See adv index at end of book*
Dart, H. W., lumber, Dartford, Wash.
Dart, Jas. A., & Son, cornices, Port Huron, Mich.
Dart Truck & Tractor Corp., Waterloo, Ia.
Darting & McGavren, canned goods, Glenwood, Ia.
Daru & Huffman, elec. light fix. mfrs., 18 Bergen, Brooklyn,
Darwin & Milner, steel, 156 B'way, New York.
Dary Ring Traveler Co., tex. machy., supplies, etc., Tau Mass.
Dassau, Fred'k, architect, 1373 B'way, Brooklyn, N. Y.
Datz, Albert Co., advtg. novelties, Jersey City, N. J.
Datz, Chas. F., Co., packing box mfrs., Cabot & York, delphia, Pa.
Daube & Hopken, balances, assay & analytical, 39 Carlto Jersey City, N. J.
Daubenmire, C. E., drain tile, Union City, Ind.
Daubenspeck, Chas. B., contractor, Allentown, Pa.
Dauber Bell Mach. Co., Oshkosh, Wis.
Dauber-Kratsch Co., machinists, Oshkosh, Wis.
Dauch Mfg. Co., traction engines, Sandusky, Ohio.
Dauchy, Chas. H., & Co., plate glass, Troy, N. Y.
Dauchy Iron Wks., 223 W. Illinois, Chicago, Ill.
Daudy, Oliver, contr., Findlay, Ill.
Daugherty, A. E., watchman's clocks, Penn Bldg., Pittsburg
Daugherty Bros. Brick Co., Kittanning, Pa.
Daugherty Bros.' Hdwe. Co., whol. hdwe., Wellington, Oh
Daugherty Foundry Co., Allentown, Pa.
Daugherty-Smith-Phillips Co., electricians' drills, 502 W. sion, Chicago, Ill.
Daugherty, W. E., gas machs., etc., Princeton, Ind.
Daugherty, W. H., & Son, petroleum, Petrolia, Pa.
Dauley & Wright, stone producers, Oneonta, N. Y.
Daum, A. F., Elec. Fuse Co., 1157 Hodgkiss, Pittsburgh,
Dauphin, Wm., Bronze & Iron Wks., 141 W. 33d, New Yor
Dauplais, A., bldg. contr., Superior, Wis.
Dauplais, A. J., contractor, Superior, Wis.
Daus, Felix F., Duplicator Co., 111 John, New York.
Dautel, L., & Son Co., contractor, 5710 Hough av, N. E., land, Ohio.
Dautoff, J. D., architect, Stock Exch. Bldg., Portland, Ore.
Dautremont, Frank, brick, Monticello, Ia.
Davelaar, M., & Son Co., brick, 153 Pryor av, Milwaukee,
Davenport Bedding Co., mattresses, Davenport, Iowa.
Davenport Brick & Tile Co., Davenport, Ia.
Davenport Granitoid Co., Davenport, Ia.
Davenport-Brown Co., sash, door & blind mfrs., Somerville,
Davenport, Harry C., founders, Blissfield, Mich.
Davenport Implement Co., 110 W. Los Angeles, Los A Cal.
Davenport, John, Co., machsts. & fndrs., Stamford, Conn.
Davenport & Keeler, chemists, New Britain, Conn.
Davenport, L. M., Co. See Davenport Implt. Co. (succ
Davenport Ladder Co., Davenport, Ia.
Davenport Locomotive Works, Davenport, Ia.
Davenport Mach. & Fdry. Co., Davenport, Ia.
Davenport Machine Tool Co., clock pinions, drilling & aut screw machy., New Bedford, Mass.
Davenport Mfg. Co., machsts. & fndrs., Davenport, Ia.
Davenport, Mart, & Co., htg. contrs., Lockport, N. Y.
Davenport-Paine Co., lbr. mfrs., Holquiam, Wash.
Davenport Pearl Button Co., Davenport, Ia.
Davenport, Peters Co., lumber, 70 Kilby, Boston, Mass.
Davenport Planter Co., Wheaton, Ill.
Davenport-Treacey Piano Co., 518 W. 55th, New York.
Davenport Wagon Co., Davenport, Ia.
Davenport & Williams, architects, Castle Hall, Indian Ind.
Daverman, J. & G., architects, Ass'n of Commerce Bldg, Rapids, Mich.
Davey, E. H., Co., paper & pulp mills, Bloomfield, N. J.
Davey Fibre Products Co., cardboard, gaskets, 95 Bo Jersey City, N. J.
Davey, John H., granite tools, New London, Conn.

ivey, W. O., & Sons, paper board mills, 169 Laidlaw, Jersey City, N. J. *See adv index at end of book*
via Bros., floor mosaics, 161 W. 24th, Chicago, Ill.
vid, Lester W., lumber Co., Seattle, Wash.
vid, P., Co., machinists, 21st & Indiana, San Francisco, Cal.
vidheiser, F. B., brick, Pottstown, Pa.
vidoff, J., mchy., guards & safety devices, 733 Lafayette av., Brooklyn, N. Y.
vids Bros., Inc., sealing wax & wood cements, 79 Cortlandt, New York.
vids, Thaddeus, Ink Co., 97 Vandam, New York.
vidsen, Wayland F., architect, Charlestown, W. Va.
vidson, A. C., contractor, Rochester, Ind.
vidson, Alex., masons' & bldrs.' matls., Canandaigua, N. Y.
vidson Benjamin H., architect, 7 Bloomfield, Lynn, Mass.
vidson, Chas., elec. & gas light fixtures, 37 Rankin, Newark, N. J.
vidson, Chas. E., portable grain elevator, Eureka,Ill.
vidson Commission Co., fullers' earth, 140 W. Van Buren, Chicago, Ill.
vidson Construction Co., 1445 E. 16th, Los Angeles, Cal.
vidson, D. H., pckg. box mfrs., 2005 Washn. av, Phila., Pa.
vidson-Dietrich Plow Co., Evansville, Ind.
vidson-East-Molyneaux Co., flour mills, Rockwood, Tenn.
vidson, F. F., architect, Monadnock Bldg., Chicago, Ill.
vidson Fan Co., ventilating, Newton, Mass.
vidson Granite Co., Lithonia, Ga.
vidson, H. B., carriages, Springfield, Ill.
vidson, Harry E., architect, 46 Cornhill, Boston, Mass.
vidson Heating & Construction Co., heating appliances, 80 York, Hanover, Pa.
vidson, Hicks & Greene Co., lumber, Nashville, Tenn.
vidson, Jas., ship builders, Bay City, Mich.
vidson, J. M., contractor, Akron, Ohio.
vidson, J. W., & Co., elec. light fix. mfrs., 629 Main, Cincinnati, Ohio.
vidson, John J., contr., Ansonia, Conn.
vidson, Leroy S., & Co., lbr., Camden, S. C.
vidson-Lewis Metal Products Co., Inc., mill & facty. supplies, 217 B'way, New York.
vidson, M. I., Co., hair cloth mfrs., 1100 Shackamaxon, Philadelphia, Pa.
vidson, M. T., Co., hair cloth mfrs,, 1100 Shackamaxon, Phila., Pa.
vidson Mill & Elevator, flour, Muskogee, Okla.
vidson Ore Mining Co., White Bldg., Buffalo, N. Y.
vidson, Peter, McLeod, contr., Galesburg, Ill.
vidson Pipe & Iron Co., second-hand pipe, 436 Kent av, Brooklyn, N. Y.
vidson, Richard Co., dock bldr., New London, Conn.
vidson Rubber Co., Boston, Mass.
vidson, S. M., Co., mason's & bldrs.' matls., Beacon, N. Y.
vidson Steel & Forging Corp., 122 Maiden la, New York.
vidson & Stevenson Porcelain Co., insulators, East Liverpool, Ohio.
vidson Tool Mfg. Corp., 122 Maiden lane, New York.
vidson, W. H., dry docks, New London, Conn.
vidson, W. J., & Sons, masons' & bldrs.' & mill & facty. supplies, Beaver Falls, Pa.
ve, J. T., Brick Co., common, Spokane, Wash.
ve Tool Co., amplifying gauges, 1660 E. 118th, Cleveland, Ohio
ves Box & Lbr. Co., Blairsden, Cal.
ves, Edgar W., canned goods, Leesburg, N. J.
ves, Fred G., baled shavings, North Tonawanda, N. Y.
ves & Fshon, Ltd., lumber, 214 Front, San Francisco, Cal.
ves, J. C., contractor, Saginaw, Mich.
ves, John, architect, 177 Castleton av, Tompkinsville, N. Y.
ves, John G., machinist, Sacramento, Cal.
ves, John J., & Co., steel struct. dlrs., 20th & Clearfield, Philadelphia, Pa.
ves, K. M., Co., canned goods, Williamson, N. Y.
ves Supply Co., mill & facty. & plumbers' supplies, 412 W. Ontario, Chicago, Ill.
ves & Thomas Co., machsts. & fndrs., Catasauqua, Pa.
ves, Young Soap Co., Dayton, Ohio.
gnon, Francis P., stone producers, New London, Conn.
, J. J., drilling tools, Washington, Pa.
, A., & Bros., crushed stone, Richmond, Va.
, A. C., architect, Shawnee, Okla.
, A. C., Lbr. Co., Columbus, Ohio.
, A. L., Son, agric. imps., Binghamton, N. Y.
, Abraham, architect, 13 Newark av, Jersey City, N. J.
Acetylene Co., 90 Prospect, Elkhart, Ind.
, Albert E., architect, 258 E. 138th, New York.
& Andrews Co., flour mills, Memphis, Tenn.
, B. F. & C. M. Co., contrs., Fort Worth, Tex.
Bar Harbor Buckboard Co., carriages, Bar Harbor, Me.
Birely Table Co., Shelbyville, Ind.
Boring Tool Co., 3722 Forest Pk. blvd., St. Louis, Mo.
Bournonville Co., oxyacetylene welding & cutting apparatus, Van Wagner av, Jersey City, N. J.
Brake Beam Co., Johnstown, Pa.
Brinton B., architect, Starks bldg., Louisville, Ky.
& Brooks. See Brooks W. F. (successors)

Davis Bros., concrete reinf. bars, spikes, etc., 29th & Bristol, Philadelphia, Pa.
Davis Bros., contractors, Richmond, Va.
Davis Bros., cornices & skylights, 204 Dilworth, Pittsburgh, Pa.
Davis Bros., flour mills, Smyrna, Tenn.
Davis Bros., granite, West Berlin, Vt.
Davis Bros. & Co., masons' & bldrs.' matls., Saltsburg, Pa.
Davis Bros. Lumber Co., Ltd., Ansley, La.
Davis Bros. Stone Co., Lannon, Wis.
Davis, C. A., contractor, 19th & Pierce, Minneapolis, Minn.
Davis, C. A., & Son, masons' & bldrs.' matls., Goshen, Ind.
Davis, C. E., Mach. Co., engine lathes, special mach. & key seating tools, 133 Andrews, Rochester, N. Y.
Davis, C. E., Packing Co., fertilizer mfrs., Fleeton, Va.
Davis, C. H., & Co., Inc., meat packers, Norwich, Conn.
Davis, C. K., Mfg. Co., locomotives, Detroit, Mich.
Davis, C. L., elec. contr., Whittier, Cal.
Davis, C. M., & Co., woolen flannels, Northfield, Vt.
Davis, C. W., contractor, Champaign, Ill.
Davis Chair Co., Marysville, Ohio.
Davis, Chas. E., Fdry. Co., gray iron coatings, Rutland, Vt.
Davis, Chas. J., Bldg. Co., contrs., Albany, N. Y.
Davis Coal & Coke Co., Continental Bldg., Baltimore, Md.
Davis & Coleman Co., Inc., contrs., Binghamton, N. Y.
Davis Const. Co., htg. contrs., 56 W. Kinzie, Chicago, Ill.
Davis Construction Co., Plymouth Bldg., Minneapolis, Minn.
Davis & Dane, architects, 1024 Main, Bridgeport, Conn.
Davis, David, architect, 1st Nat'l Bank Bldg., Cincinnati, Ohio.
Davis, David R., architect, 526 S. Wisconsin, Racine, Wis
Davis & Davis, architects, 64 E. Van Buren, Chicago, Ill.
Davis, E. C., & Co., machinists, Seneca Falls, N. Y.
Davis, E. J., Machy. Works, mill & facty. supplies, Burlington, Vt.
Davis, E. T., & Son, contrs., Springfield, Mass.
Davis, Edw. H.-Lewis, George M. D., architects, Union Bank bldg., Scranton, Pa.
Davis, Ed. L., architect, 159 Clinton, Schenectady, N. Y.
Davis, Edward L., Lumber Co., Louisville, Ky.
Davis Ellery, architect, S. M. L. Bldg., Lincoln, Neb.
Davis, Emry, inks, inkstands, 298 B'way, New York.
Davis, F. H., machinist, Cambridge, Mass.
Davis, F. Pierpoint, architect, Exchange Bldg., Los Angeles, Cal.
Davis & Farnum Mfg. Co., machsts. & fndrs., Waltham, Mass.
Davis Fire Brick Co., Oak Hill, Ohio.
Davis Foundry Co., Hornell, N. Y.
Davis Foundry Co., Lawrence, Mass.
Davis Foundry & Machine Works, Rome, Ga.
Davis, Frank A., mason contr., Danielson, Conn.
Davis, Fred'k L., architect, Leominster, Mass.
Davis & Furber Machine Co., North Andover, Mass.
Davis, G. M., & Son, tanks—wood, Palatka, Fla.
Davis, G. R., cornices & sylights, Paducah, Ky.
Davis & Geck, cat-gut, 221 Duffield, Brooklyn, N. Y.
Davis, Geo. A., Construction Co., South Bend, Ind.
Davis, Geo. C., chemists, engineers, 39 S. 10th, Philadelphia, Pa.
Davis, Geo. H., stone, Blue Springs, Neb.
Davis, G. M., Regulator Co., 434 Milwaukee av, Chicago, Ill.
Davis, Geo. M., & Son, contrs., Equitable Bldg., Boston Mass.
Davis, Geo. W., carriage robes, Worcester, Mass.
Davis, Geo. W., Motor Car Co., Richmond, Ind.
Davis, H. B., Co., enamels, paints, varnishes, etc., Bayard & Severn, Baltimore, Md.
Davis-Hansen Co., lift pumps, Oshkosh, Wis.
Davis Hardware Co. See Superior Mfg. Co. (successor)
Davis & Hemphill, screw mach. products, Elkridge, Md.
Davis, Henry D., Lumber Co., Northwest Bank bldg., Portland, Ore.
Davis, Hy. J., & Co., lbr., Clarksdale, Miss.
Davis, Herbert S., architect, 200 5th av, New York
Davis, Herbert M., machsts. & fndrs., Dover, N. H.
Davis & Hopkins Lumber Co., Princeton, Ill.
Davis, Horwich & Steinman, bedstead mfrs., 2236 La Salle, Chicago, Ill.
Davis, Howe & Co., machsts. & fndrs., Salt Lake City, Utah.
Davis-Hunt Constr. Co., Schwind bldg., Dayton, Ohio
Davis, Hunt & Collister Co., hdwe. merchants, 2056 Ontario Cleveland, Ohio.
Davis Instrument Mfg. Co., anemometers, 112 W. Fayette, Baltimore, Md.
Davis, J. C., contractor, Garfield Bldg., Cleveland, Ohio.
Davis, J. H., cream separators, Sparta, Wis.
Davis, J. H., & Son, lumber, Kathleen, Ga.
Davis, J. L., & D. M., lbr., Kerlin, Ark.
Davis, J. P., contractors, Owensboro, Ky.
Davis, J. W., architect, Warren, Ohio.
Davis, J. W., contractor, Newport News, Va.
Davis, Jas. & Son, machsts., 463 Pacific av, Jersey City, N. J
Davis, Jno., cornices, 170 Court, Brooklyn, N. Y.
Davis, John B., ladders, ironing boards, curtain stretchers, Clinton, Me.
Davis, John C., contractor, Scranton, Pa.
Davis-Johnson Mfg. Co., machsts., 4811 W. Jackson, Chicago, Ill.
Davis, Jos. S., machsts. & fndrs., Omaha, Neb.
Davis-Klaber Co., wool pullers, 605 No. 3rd, Newark, N. J.
Davis, L. D., fndrs., Wilmington, Del.
Davis, L. E., machst. & fndr., Hinckley, Ill.

Davis, L. M., contractor, Pensacola, Fla.
Davis, L. O. & E. S., masons' & bldrs.' matls., Middleton, Conn.
Davis, Lewis T., contractor, Poughkeepsie, N. Y.
Davis & Lippincott, canned goods, Woodstown, N. J.
Davis, Louis N., machsts., West Chester, Pa.
Davis Lumber Co., Shamokin, Pa.
Davis Lumber & Planing Mill Co., sash, door & blind, Christiana, Pa.
Davis, McGrath & Kiessling, architects, 220 5th av, New York
Davis & McLane Mfg. Co., tex. machy., supplies, roll covers, Fall River, Mass.
Davis, M. B., turpentine, Farmdale, Fla.
Davis, M. L., lumber mfr., Oak Grove, Ala.
Davis, M. M., & Son, ship bldrs., Solomons, Md.
Davis, M., & Sons, machsts., Salem, Ohio.
Davis, M. Stuart, architect, Louisburg, N. C.
Davis Mach. & Motor Co., Inc., second hand motors, 59 Mechanic, Newark, N. J.
Davis Mach. Shop, Rock Island, Ill.
Davis Machine Tool Co., Rochester, N. Y.
Davis Mfg. Co., baling presses, 137 Freeman, Brooklyn, N. Y.
Davis Mfg. Co., tractor motors, 57th & Mitchell, Milwaukee, Wis.
Davis Marble Co., floor mosaics, 1450 W. North av, Chicago, Ill.
Davis Mill Co., flour, Galesville, Wis.
Davis, Millard F., architect, Hildreth Bldg., Lowell, Mass.
Davis & Millbery, contrs., Zanesville, Ohio.
Davis, Milton C., contractor, 902 W. 36th, Baltimore, Md.
Davis & Mowrey, masons' & bldrs.' matls., Spring City, Pa.
Davis, N. Frank, mill & facty. supplies, Fall River, Mass.
Davis, N. R., & Sons, machsts. & fndrs., Assonet, Mass.
Davis, Neal R., architect, Central Natl. Bank bldg., St. Louis, Mo.
Davis, Norris K., Mach. Wks., concrete mixers, elec. furnaces, etc., 400 7th, San Francisco, Cal.
Davis, O. C., Co., steam fitters' supplies, Racine, Wis.
Davis, O. L., canned goods, Park Rapids, Minn.
Davis, O. L., Lumber Co., Trinadad, Colo.
Davis Oil Co., tallow, 95 9th, Brooklyn, N. Y.
Davis, P. Pierpont, & Walters, architects, Exchange bldg., Los Angeles, Cal.
Davis Paper Co., 1thr. boards, Contoocook, N. H.
Davis Paper Co., West Hopkinton, N. H.
Davis Planing Mill Co., sashes, doors & blinds, Springfield, Mo.
Davis, E., lbr., Hawes, Ark.
Davis, R. G., contractor, Carnegie, Pa.
Davis, Rodney, gears, 624 Race, Philadelphia, Pa.
Davis, S. H., Co., mill & facty. supplies & wholesale hdwe & auto motor supplies, 68 Portland, Boston, Mass.
Davis, S. & Paul A., 3d, architects, 1713 Sansome, Phila., Pa.
Davis & Sargent Lbr. Co., Lowell, Mass.
Davis Scott Belting Co., mill & facty. supplies, 108 Union, Portland, Ore.
Davis Sewing Machine Co., Dayton, Ohio.
Davis & Sherer Co., factory equipment, 113 So. Ludlow, Dayton, Ohio.
Davis & Siehl Co., iron fences, 4032 Hamilton av, Cincinnati, O.
Davis Slate & Mfg. Co., structural slate, 618 E. 40th, Chicago, Ill.
Davis Smith Co., business greeting cards, 530 Atlantic av, Boston, Mass.
Davis-Smith Co., contractors, 516 Federal, Pittsburgh, Pa.
Davis-Speyer Co., sashes, doors & blinds, Hoboken, N. J.
Davis Springs Co., Inc., flour, Hiddenite, N. C.
Davis Sulphur Ore Co., 65 Wall, New York.
Davis, T. B., contractor, Rock Island, Ill.
Davis, T. B. & S. S., contrs., stone prod., Rock Island, Ill.
Davis, T. E., architect, Asheville, N. C.
Davis, Thos., & Sons, buttons, 103 Oliver, Newark, N. J.
Davis Trap Rock Works, stone producers, Parkway Bldg., Philadelphia, Pa.
Davis Tungsten Lamp Wks., 535 Van Vorst pl, Union Hill, N. J.
Davis, W. A., Contrg. Co., Joliet, Ill.
Davis, W. Benj., Brick Co., Richmond, Va.
Davis, W. G., Coal Co., masons' & bldrs.' matls., Oak Park, Ill
Davis, W. M., & Son, brick, Common, Knoxville, Tenn.
Davis, W., & Sons, harness, saddles, mfrs., 333 Market, San Francisco, Cal.
Davis, W. T., & Co., machinists, Comstock, Mich.
Davis, W. W., glass stainers, 3922 Olive, St. Louis, Mo.
Davis Warehouse Co., Columbus, Ga.
Davis-Warner Arms Corp., gun, pistol & revolver mfrs., 96 Chambers, New York.
Davis-Watkins Dairymen's Mfg. Co., supplies, etc., N. Chicago, Ill. (tr.)
Davis-Watson Mfg. Co., flanges, flashings, roofs, Nashua, N. H.
Davis & Webb, contrs., Tampa, Fla.
Davis Welding & Mfg. Co., storage tanks, 1543 Queen City av, Cincinnati, Ohio.
Davis, Wm. A., Co., inks, mucilage, etc., 40 Batterymarch, Boston, Mass.
Davis, Wm. D., carriages, Lockport, N. Y.
Davis, Wm. E, & Co. brick, New Haven, Conn
Davis, Wm. F., Mach. Tool Co., Inc., 85 Liberty, New York.
Davis, Z. B., Corp., contractors, New Bedford, Mass.
Davis-Zirkle Lbr. Co., Zirkle, Ga.
Davisboro Fertilizer Co., Davisboro, Ga.

Davison Chemical Co., acid mfrs., Garrett Bldg., Baltimore, M
Davison Htg. & Cons. Co., Hanover, Pa.
Davison & Jones, contractors, Malden, Boston, Mass.
Davison, N. C., Co., gas engines, 3145 Penn, Pittsburgh, Pa.
Davison-Namack Fdry. Co., Ballston Spa, N. Y.
Davisson, O. J., machst. & fndr., Mechanicsville, Ia.
Davisson, R. R., Contracting Co., Monrovia, Cal.
Davitt Iron Fdry., Springfield, Mass.
Davock Building Co., Campau Bldg., Detroit, Mich.
Davol Mills, cotton sheetings, Fall River, Mass.
Davol Rubber Co., stationers' & druggists' rubber sundries, Point, Providence, R. I.
Davoren Brass Finishing Wks., 1241- 12th, Denver, Colo.
Davy Automatic Fire Escape Co., 117 W. Taylor, Syracuse, N
Davy & Co., wood handles, Evart, Mich.
Dawes Electric Sign Mfg. Co., Arrott Power Bldg., Pitts'bg.,
Dawkins Bros. Co., lbr., Ironton, Ohio.
Dawkins, W. H., Lumber Co., Ashland, Ky.
Dawless, Frank S., contr., Stamford, Conn.
Dawn Lbr. Co., Auberry, Cal.
Dawson, Albert, corset laces, Pawtucket, R. I.
Dawson, Alex. A., contractor, Yonkers, N. Y.
Dawson & Archer, 15 E. 40th, New York.
Dawson, B. C., brick, Jefferson City, Mo.
Dawson Binder Co., 216 N. Main, St. Louis, Mo.
Dawson Brick & Tile Co., Springfield, Ill.
Dawson Bros., contractors, 3638 Central av, Minneapolis, M
Dawson Bros., contractors, Syracuse, N. Y.
Dawson Bros., fireplace furnishings mfrs., 523 N. Halsted, cago, Ill.
Dawson, Charles W., architect, Muskogee, Okla.
Dawson, Chas. W., machst. & fndr., Elwood, Ind.
Dawson Constr. Co., May Bldg., Pittsburgh, Pa.
Dawson, J. R., Mfg. Co., carpet & egg beaters, cork screws, Fairhill Station, Philadelphia, Pa.
Dawson, M. C., brick, Rushville, Ind.
Dawson Milling Co., flour, Dawson Springs, Ky.
Dawson, Wm. E., masons' & bldrs.' matls., Batavia, N. Y.
Dawson, Wm. P., architect, Canton, Ohio
Day, B. T. & S. P., Co., varnish mfrs., 2394 Canal rd, Cleve Ohio.
Day, Beaner Wade, Esq., archit., Pioneer bldg., St. Paul,
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Day & Bullard, architect, Peoria Life bldg., Peoria, Ill.
Day Chemical Co., Westline, Pa.
Day, Clinton, architect, 14 Montgomery, San Francisco, Ca
Day Co., mechanical dust collectors, 1004 Lyndale, Minnea Minn.
Day, Dexter D., & Son, lime mfrs., Ira, Vt.
Day, E. H., lbr. mfrs., Independence, La.
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Day & Frick, soap, 1760 N. Howard, Philadelphia, Pa.
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Day, John Bagley, architect, 1265 Broadway, New York.
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Day & Lee Co., cornices, 107 Water, New Haven, Conn.
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Day Lumber Co., Seattle, Wash.
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Day, Wm. M., lumber mfr., Salisburg, Md.
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yton Casket Co., Dayton, Ohio.
yton Castings Co., machsts. & fndrs., Dayton, Ohio.
yton D., Handle Co. See Dayton Handle & Golf Co. (successors)
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yton Engine Wks., Dayton, Ohio.
yton Engineering Laboratories Co., automobile self-starters, Dayton, Ohio.
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s, Herbert, contractor, 2311 Palm Beach, Pittsburgh, Pa.
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land Packing Co., canned goods, Deal Island, Md.
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r. Co., Buhl, Ala.
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Dean & Dean, architects, 137 S. La Salle, Chicago, Ill.
Dean, E. Clarence, architect, 2 W. 47th, New York.
Dean, Edw., Co., architects, 2 W. 47th, New York.
Dean, Ellsworth, architect, 331 4th av, Pittsburgh, Pa.
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Dean Forging Co., Muncie, Ind.
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Defiance Glove & Mitten Works Co., Defiance, Ohio.
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De Forest, E. G., architect, 280 Madison av, New York.
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Degens, Herbert G., contr., Penobscot bldg, Detroit, Mich.
De Gerdsdorff, Geo. B., architect, 103 Park av, New York.
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De Golyer Varnish Wks., Troy, N. Y.
De Gouvela, Jos., contractor, Jacksonville, Ill.
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De Guere, L. A., architect, Grand Rapids, Wis.
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De Hart, I. C., & Co., lbr. mfrs., Hartville, Va.
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De Hart, John, architect, 1039 Fox, New York.
De Hart Mfg. Co., machsts., 418 W. 28th, New York.
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De Haven Mfg. Co., bands, box straps, pail clasps, bail ties, box & crate fasteners, etc., 50 Columbia Hgts., B'klyn, N. Y.
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Dehli, Arne, architect, 291 B'way, New York.
Dehls & Stein, Inc., chemical boiler compounds, etc., 239 Newark, N. J.
Dehner & Wershey, cornices, Lincoln, Ill.
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Deible, H. C., carriages, Reynoldsville, Pa.
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Deil, Louis E., architect, 1133 Broadway, New York.
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Deissler, P. & Bro., metal casements, etc., 249 S. 6th, Phila., Pa.
Deister Concentrator Co., Ft. Wayne, Ind.
Deister Machine Co., machsts., Ft. Wayne, Ind.
Deitering, Chas. H., architect, Central Nat'l Bk. Bldg., St. Louis, Mo.
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Deitrich, Wm. H., contractor, Danville, Va.
Deitsch Bros., traveling bags, 14 E. 17th, New York.
Deitz, Alonzo E., locks, 73 Clymer, Brooklyn, N. Y.
Deitz, R. E., Co., laterns, 60 Laight, New York.
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Dejonge, Louis, Co., fly catchers, 71 Duane, New York.
De Jute, Jas., contractor, Youngstown, Ohio.
De Kalb Mfg. Co., automobile bldrs., Auburn, Ind.
De Kalb, W. M., architect, James Bldg., Chattanooga, Tenn.

e Kalb Wagon Co., De Kalb, Ill.
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e Lacroix, Louis, contractor, 2826 Vine, Cincinnati, Ohio.
elahunty Dyeing Mach. Co., tex. machy., Pittston, Pa.
e Laittre & Anderson Co., lbr., Calderwood, Mich.
e Laittre-Dixon Lumber Co., 1301 20th av, N., Minneapolis, Minn.
lamater Hardware Co., 8 Woodward av, Detroit, Mich.
e Lancey, Edw., sashes, doors & blinds, Lancaster, Ohio.
laney, Dan'l, & Son, auto. springs, etc., Hamilton, Newark, N. J.
laney, Edw. D., fndrs., Belleville, N. J.
e Laney Forge & Iron Co., 300 Perry, Buffalo, N. Y.
laney, J. P., contractor, Sea Isle City, N. J.
laney, M. B., tubular boilers, Hudson, N. Y.
laney Oil Co., 47 3d, Milwaukee, Wis.
Laney, Thos. M., plumbers' supplies—jobbers, 576 Atlantic av, Brooklyn, N. Y.
laney, Wm., buttons, 79 Orange, Newark, N. J.
lano & Aldrich, architects, 126 E. 38th, New York.
Lano Bros., cornices & skylights, 70 Spear, San Fran., Cal.
lano, C. F., cornices & skylights, Fairhaven, Mass.
Lano, C. W., architect, Hutchinson, Kans.
lano Granite Co., Rocklin, Ca.
lanoy, F. W., machinist, Alameda, Cal.
lany & Co., glue mfrs., 209 N. 3d, Philadelphia, Pa.
lany, P. & Co., tubular boilers, steel stacks & tanks, Newburgh, N. Y.
laplane, C. C., flour mills, Delaplane, Va.
lapierre, Arthur, Inc., tool handles, 19 Warren, New York.
latour, A. J., lbr., 176 Cherry, New York.
latte & Lagrange, contractors, Lake Charles, La.
latush, Henry, Co., contrs., 562 Newark av, Jersey City, N. J.
latush, J. C., & G. A., architects, Red Bank, N. J.
Laval Dairy Supply Co., cream saparators, 61 Beale, San Francisco, Cal.
Laval Separator Co., 165 B'way, New York.
Laval Steam Turbine Co., E. Trenton, N. J.
*See adv index at end of book.*
La Vergne Machine Co., oil engine blrs., ft. E. 138th, New York.
. Brass & Aluminum Co., Muncie, Ind.
aware Clay Mfg. Co., drain tile, Delaware, Ohio.
aware Coll., engng. schools & coll., Newark, Del.
aware Elec. & Supply Co., mill, plumbers', steam fitters' supplies, etc., Wilmington, Del.
. Fertilizer Co., Dover, Del.
. Fdry. & Mach. Co., Delaware, Ohio.
. Granite & Mining Co., stone producers, 14th & Pine, Wilmington, Del.
aware Hard Fibre Co., Wilmington, Del.
*See adv index at end of book.*
aware Hardware Co., Wilmington, Del.
, Lackawanna & Western Railroad Co., anthracite coal mine, 90 West, New York.
ıware Marine Mfg. Co., hdwe. mfrs., Wilmington, Del.
ıware Metal Refinery, babbit metal, testing scales, spelter, etc., Washington & 18th, Philadelphia, Pa.
ıware River Quarry & Construction Co., 390 George, Jersey City, N. J.
ıware River Steel Co., blast furnaces, Chester, Pa.
ıware Sash Weight Co., Wilmington, Del.
ıware Seamless Tube Co., Auburn, Pa.
ıware Terra Cotta Co., brick, Wilmington, Del.
ıware Tool Co., Wilmington Del.
are Mfg. Co., washing powder, 714 S. Dearborn, Chicago, Ill.
ampe Welding Co., Bridgeport, Conn.
Carlo, C., contractor, Norwich, Conn.
o Light Co., electric lighting systems for residence, etc., Dayton, Ohio.
hanty, Andrew L., architect, 61 State, Albany, N. Y.
hanty, Bradley, architect, 2 W. 45th, New York.
hanty's, M., Son, plbrs. supplies, Albany, N. Y.
van Mfg. Co., roofing cements, compounds & paints, etc., 65 Delevan, Brooklyn, N. Y.
ado Mills, tickings, Wilmington, N. C.
Giudice, A., & Son, granite, 703 Atwells av, Providence, R. I.
Guercio, A., architect, 800 Broad, Newark, N. J.
aye, Joseph, contr., Highland Park, Ill.
ght Lumber Co., Delight, Ark.
ion, Carl H., architect, 200 Montague, Brooklyn, N. Y.
n Tire & Rubber Co., see Bergounau Rubber Corp. (successor).
le, Adrien, architect, Levy Bldg., Houston, Tex.
isle & Cooper, contractors, Ford bldg., Detroit, Mich.
Isle, S. G., wooden columns, 337 Carondelet, New Orleans, La.
r Bros. Buggy Co., Henderson, Ky.
r, Geo., Co., carriages, Henderson, Ky.
Emerson C., architect, 65 Monticello av, Buffalo, N. Y.
Frank M., masons' & bldrs.' matls., S. E. cor. Cruse & Southeastern av, Indianapolis, Ind.
John C., & Son, counter scales, 422 Vine, Philadelphia, Pa.

Dellenbarger, C. E., confectioners' mchy., 1370 W. Grand, Chicago, Ill. *See adv index at end of book*
Dellinger, A. M., agricultural implements, Lancaster, Pa.
Dellinger, Edward, contractor, Batavia, N. Y.
Dells Paper & Pulp Co., Eau Claire, Wis.
Delmonico Bros. Co., contractors, Syracuse, N. Y.
Delmonto Paving Co., 1537 Fillmore av, Buffalo, N. Y.
De Loach Mill Mfg. Co., mill & facty. supplies, Bridgeport, Ala.
De Long, G. T., canned goods, Lithia, Va.
De Long Hook & Eye Co., 21st & Clearfield, Philadelphia, Pa.
De Long Machinery Co., Morrillton, Ark.
De Long & Son, wholesale hrwe., Glens Falls, N. Y.
De Long, Wallace W., architect, Appleton, Wis.
De Longchamps, F. J., architect, Reno, Nevada.
Delowry, Thos. A., contractor, Waterbury, Conn.
Delp, Jacob, contractor, Bloomfield, N. J.
Delphi Lime Co., Delphi, Ind.
Delphi Straw Board Co., Delphi, Ind.
Delphos Bending Co., Delphos, Ohio.
Delphos Foundry, Delphos, Ohio.
Delphos Mfg. Co., cans, tanks, etc., First & Pierce, Delphos, O.
Delphos Printing Press Co., see Dwitcour & Eysenbach (successors).
Delph's, S., Sons, billiard tables, butchers store fixtures, 4th & Liberty, Pittsburgh, Pa.
Delta Cement & File Co., Greenvile, Miss.
Delta Chemical Co., Wells, Mich.
**Delta Co., advtg. spec., 629-631 Main, Osage, Ia.**
Delta Elec. Co., elec. lamp flashlights, Marion, Ind.
Delta File Works, 3231 Frankford, Philadelphia, Pa.
Delta Hardware Co., Escanaba, Mich.
Delta Land & Timber Co., Kansas City, Mo.
Delta Mfg. Co., spark plugs, 9 Delancy, Newark, N. J.
Delta Oil Co., Greenville, Miss.
Delta Shingle Co., Florence, Ore.
Delta-Star Electric Co., plugs & receptacles, 2433 Fulton, Chicago, Ill.
Delta Stave Co., cooperage stock, Sibley, La.
Deltour, John, willow ware mfrs., 901 Jefferson av, Hoboken, N. J.
Deltox Grass Rug Co., Oshkosh, Wis.
De Man Bros. Co., sash, door & blind mfrs., 416 Maybury av, Detroit, Mich.
Demar, Edward, architect, Sault Saint Marie, Mich.
De Marce, A., machst. & fndr., Texarkana, Tex.
Demarest, Chas. H., bamboo, cutch., 150 Water, New York.
Demarest, Edwin, masons' & bldrs.' matls., Tenafly, N. J.
Demarest Heater Co., Springfield, Mass.
Demattel, L. & Co., contractors, 8 Avery, San Francisco, Cal.
De Matteo M., contractor, 146 Dudley, Roslindale, Boston, Mass.
De Mattia Bros., machsts., Garfield, N. J.
Demco Machine Tool Co., drilling machines, 1706 Frankfort av, N. W., Cleveland, Ohio.
Dement Bros. Co., flour mills, Walla Walla, Wash.
Demeritt Co., canned goods, Waterbury, Vt.
Demers, Joseph C., contractors, Manchester, N. H.
De Mers, Magloir, machinist, Toledo, Ohio.
Demers & Mosley, architects, Union Natl. Bk. Bldg., Troy, N. Y.
De Michiel, John, & Bros., contractors, Torrington, Conn.
De Milt, H. R., Co., tin plate, 238 Water, New York.
Deming Apparatus Co., sugar machinery, 30 Church, New York.
Deming Co. (The), hand & power pumps, working heads, cylinders, etc, Salem, Ohio. *See adv index at end of book.*
Deming, F. G., Lumber & Shingle Co., Markham, Wash.
Deming Hardware Co., Montpelier, Vt.
Deeming, Wm. I., architect, 808 17th, Washington, D. C.
Deming & Thompson Co., sashes, doors & blinds, Frankfort, Ind.
Demmer, Chas., cornices & skylights, Santa Rosa, Cal.
Demmerle & Co., goggles & eye protectors, 45 W. 25th, New York.
Demmler Bros Co., wholesale hdwe., 109 Ross, Pittsburgh, Pa.
Demmler & Schenck Co., steel tables, 434 Penn av, Pittsbgh, Pa.
Demmler, Wm. & Bro., machsts., Kewanee, Ill.
DeMoney, Frank O., architect, 5 N. La Salle, Chicago, Ill.
Demoorjian, H. S., architect, 340 Main, Worcester, Mass.
Demopolis Cotton Mills, rope & twine, Montgomery, Ala.
Demorest Foundry & Machine Works, Demorest, Ga.
Demorest Mfg. Co., concrete mixers, Enid, Okla.
De Maulin Bros, Co., badges & buttons, Greenville, Ill.
Demourelle, Jas., & Sons, masons' & bldrs.' matls., 1035 Tolouse, New Orleans, La.
Dempcy-Degener Co., coal chutes & pockets, 307 4th av, Pittsburgh, Pa.
Dempsey, Chas. J., contractor, 218 E. 87th, New York.
Dempsey, H. B., Furnace Co., Postal Telegraph bldg., New York. *See adv index at end of book.*
Dempsey & Hardy, contrs., Princeton, N. J.
Dempsey, Jno. F., & Co., machsts., Lynn, Mass.
Dempsey Lbr. Co., Johnstown, Pa.
Dempsey Lumber Co., Tacoma, Wash.
Dempsey, Michael J., machsts. & fndrs., 548 W. 55th, New York.
Dempsey, W. J., contractor, 103 Park av, New York.
Dempster, Jas., machsts., Knoxville, Tenn.
Dempster Mfg. & Supply Co., Des Moines, Ia.
Dempster Mill Mfg. Co., steel tanks, & agricultural implements, Beatrice, Neb.
Dempster & Son, masons' & bldrs.' matls., Merchants Exch. Bldg., San Francisco, Cal.

Dempwolf, C. H., & Co., fertilizer machy., York, Pa.
Dempwolf, J. A., architect, York, Pa.
Dempwolf, Reinhardt, architect, York, Pa.
Demster, W. R., machinists, 1316 Oak, Kansas City, Mo.
Demuth Glass Mfg. Co., bottles & tubing, Gardner av, Brooklyn, N. Y.
De Muth, W., & Co., smoking pipes, 230 5th av, New York.
Denault, Moses, & T. Arthur, masons' & bldrs.' matls., New Bedford, Mass.
Denburger, H., contractor, Bethlehem, Pa.
Denby Motor Truck Co., Holbrook av, Detroit, Mich.
Denby & Nute, architects, 333 4th av., New York.
Dendinger, Theo., lumber, Madisonville, La.
Dengel, F. R., Mfg. Co., plumbers' supplies, 342 4th, Milwaukee. Wis.
Denger, Fred, masons' & bldrs.' matls., Davenport, Ia.
Denholm & Co., contractor, 622 E. McMillan, Cincinnati, Ohio.
Denholm, J. M., Bros. & Co., meat packers, 5th & Frankstown avs, Pittsburgh, Pa.
Denick, Edwin V., architect, House Bldg., Pittsburgh, Pa.
Denier's Son, plate glass mirrors, 17 Crosby, New York.
Denie's, Jno. A., & Sons Co., lime, Memphis, Tenn.
Denio General Elec. Co., fire alarms, Rochester, N. Y.
Denio, E., butter tubs, Hyde Park, Vt.
Denison & Coerper, lumber, Hartford, Wis.
Denison Cotton Mill Co., Denison, Tex.
Denison, J. W., & Co., lbr., Helena, Ark.
Denison Lumber Co., Hagerstown, Md.
Denison Univ., engng. school & coll., Granville, Ohio.
Denivelle, Paul E., contr., 520 7th av, San Francisco, Cal.
Denke, A. Reinhold, architect, Nevada Bk. bldg., San Fran., Cal.
Denman & Davis, iron, steel, 85-91 Lafayette, New York.
Denman, W. M., brick, West Unity, Ohio.
Denmark Condensed Milk Co., Denmark, Wis.
Denmark Oil & Fertz. Co., meal, Denmark, S. C.
Denmead Rubber Co., heels, Akron, Ohio.
Denmire, L. E., canned gds., Montrose, Ia.
Denneen, C. A., Co., contractors, 42 B'way, New York.
Dennehy Bros., shoe blacking & polishes, Brockton, Mass.
Dennehy, Thos., contractor, Town of Union, N. J.
Denney Tag Co., West Chester, Pa.
Dennick, Wm., & Co., fndrs., Dayton, Ohio.
Denning, J. A., contractor, Janesville, Wis.
Denning Tractor Co., engines, plows, Cedar Rapids, Ia.
Dennins, O., Sons, brushes & hand mirrors, Troy, N. Y.
Dennis, A. L., Salt & Lumber Co., Grand Rapids, Mich.
Dennis, J. B., metal furn., etc., Monadnock Bldg., San Francisco, Cal.
Dennis, J. T., canned goods, Preston, Md.
Dennis, John, Mach. Co., Lowell, Mass.
Dennis, L. E. P., & Son, fertilizer mfrs., Crisfield, Md.
Dennis Mfg. Co., matresses, Waco, Tex.
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Dennis, P. E., architect, Macon, Ga.
Dennis, V. R., Construction Co., Lewis Bldg., Portland, Ore.
Dennis, W. J., & Co., brushes, Weather strips, etc., 2120 W. Lake Chicago, Ill.
Dennison, A. D., Co., mill & facty. supplies, 1020 Superior, Cleveland, Ohio.
Dennison, E. A., architect, 122 S. Michigan av, Chicago, Ill.
Dennison Fire Proofing Co., Mason City, Ia.
Dennison Foundry & Machine Co., Dennison, Ohio.
Dennison & Hirons, architects, 475 5th av, New York.
Dennison, Lee, contrs., Hornell, N. Y.
Dennison Mfg. Co., doilies, 15 John, New York.
Dennison Mfg. Co., paper crepe, covers, cups, fasteners, etc., 26 Franklin, Boston, Mass.
Dennison Sewer Pipe Co., Dennison, Ohio.
Denny Bros., contractors, Zanesville, Ohio.
Denny, Chas. W., architect, Hale Bldg., Philadelphia, Pa.
Denny, Hillborn & Rosenback, paints, 230 N. 12th, Phila., Pa.
Denny-Renton Clay & Coal Co., acid proof brick, cupola linings, Seattle, Wash.
Denominator Adding Machine Co., 199 Cook, Brooklyn, N. Y.
De Noyelles Brick Co., Haverstraw, N. Y.
Denslow Heating Co., Waverly, N. Y.
Denslow, L. E., architect, 44 W. 18th, New York.
Densmore Brick Co., Lebanon, N. H.
Densmore & Le Clear, architects, 88 Broad, Boston, Mass.
Dent Hardware Co., refrigerator hardware mfrs., Fullerton, Pa.
Dent, J. H., contractor, Delaware, Ohio.
Dent, M. F., Co., machinists' tools, etc., dealers, 7 Blandina, Utica, N. Y.
Dent, R. K., lbr., Akron, Ala.
Dentler, Bagger Co., automatic fire doors, fittings, Vicksburg, Mich.
Denton Bros., meat packers, Columbus, Ohio.
Denton & Co., contractors, concrete steel constr., 7 E. 42d, New York.
Denton Lumber Co., Enville, Fla.
Denton Mfg. Co., canned gds., Denton, Md.
Denton Milling Co., flour, Denton, Tex.
Denton Roller Mills, Denton, N. C.
Denton & Son, carriages, Oswego, N. Y.
Denton & Waterbury, lumber mfrs., Whitesboro, N. Y.
Dentzel, Wm. H., carousels, organs, 3641 Germantown av, Philadelphia, Pa.



Denune Builders' Supply Co., Linden Heights, Ohio.
Denver Auto Goods Co., Denver, Colo.
Denver Bedding Co., Denver, Colo.
Denver Brass Wks. Co., see Davoren Brass Finishing Wks. (successors).
Denver Engineering Works Co., Denver, Colo.
Denver Fire Clay Co., Denver, Colo.
Denver, Frank, machist. & fndr., Washington, Ind.
Denver Gas & Electric Light Co., Denver, Colo.
Denver Iron Works & Fdry. Co., Denver, Colo.
Denver Marble & Granite Co., Denver, Colo.
Denver Metal & Machy. Co., Denver, Colo.
Denver Packing & Prov. Co., Denver, Colo.
Denver Pressed Brick Co., Denver, Colo.
Denver & Pueblo Construction Co., 3262 Blake, Denver, Colo.
Denver Quartz Mill & Crusher Co., Denver, Colo.
Denver Rock Drill Mfg. Co., Denver, Colo.
Denver Sewer Pipe & Clay Co., Denver, Colo.
Denver Shale Brick Co., Denver, Colo.
Denver Steel & Iron Wks. Co., steel structural work, Denver, Colo.
Denver Tent & Awning Co., Denver, Colo.
Denver Terra Cotta Co., Denver, Colo.
Denver Wrecking & Const. Co., 851 Delaware, Denver, Colo.
Denzi & Phillips, glass signs, ceilings, 24 Dey, New York.
De Pace, A. J., architect, 637 Rosewood, New York.
De Paola, Angelo, architect, 117 Summit av, West Hoboken, J.
De Paoli Mosaic Ass'n, 10 Damrell, S. Boston, Mass.
De Pasquale, Salvatore M., contr., 2975 Marion av, New Yo
De Paul University College, engng. schools & coll., 1010 Web Chicago, Ill.
De Pere Mfg. Co., boilers, bins, coal conveyers, etc., West De Pere, Wis.
De Pere Tablet Co., De Pere, Wis.
De Planque, F. R., & Son, papier mache mfrs., 1349 Ridge, v. Philadelphia, Pa.
Deport Cotton Seed Oil Co., Deport, Tex.
Deposit Lumber Co., Deposit, N. Y.
Deppe, A. H., Co., trunk mfrs., Minneapolis, Minn.
Deppisch, John L., contractor, 132 Pius, Pittsburgh, Pa.
De Pree Chemical Co., 123 W. Washington, Chicago, Ill.
De Pree, Wm. Co., mill & facty. supplies, Zeeland, Mich.
De Prefontaine, Chas., masons' & bldrs.' matls., Blue Bell, P
De Prosse, Victor A., architect, Hudson, N. Y.
Depue Bros., farm tractors, Clinton, Ia.
Derby & Ball, agricultural implements, Bellows Falls, Vt.
Derby Desk Co., Somerville, Mass.
Derby Gas Co., gas retort, carbons, Derby, Conn.
Derby & Robinson, architects, 20 Beacon, Boston, Mass.
Derby, S. L., masons' & bldrs.' matls., Lemont, Ill.
Derbyshire, F. W., machsts., Waltham, Mass.
Dercum & Beer, architects, 4500 Euclid av., Cleveland, O
Deremus, John T., Co., mill & facty. supplies, Paterson, N.
Derheimer & Co., contractors, Fort Wayne, Ind.
Derickson, G. P., Co., whol. hdwe., 18 N. 3d, Minneapolis, Minn.
De Riso Bros., contractors, Town of Union, N. J.
De Rivas & Harris Mfg. Co., pianos, 138 Willow av, New Yo
Dermon Soap Co., 300 N. Beacon, Boston, Mass.
Dermott Land & Lumber Co., hardwood lumber mfrs., etc., way Exchange, Chicago, Ill.
Dernell, H. F., Co., ice axes, tongs & tools, Athens, N. Y.
De Rome, L., Bronze, Brass & Bell Fdy., Inc., Oakland, Ca
De Ronde, Frank S., paint & varnish remover, 24 Stone, York.
De Roo, P., Sons, corn brooms, Wade & Borton, Cincinnati,
De Rosa, Eugene, architect, 110 W. 40th, New York.
De Rosa & Perevia, architects, 110 W. 40th, New York.
De Rose & Cavalieri, architects, 370 E. 149th, New York.
De Rose, Jos., architect, 119 Ellison, Paterson, N. J.
Derr, Walter, stone producers, Conshohocken, Pa.
Derry, A. L. & Co., machy. dlrs., Scranton, Pa.
Derry Glass Sand Co., Latrobe, Pa.
Derry Lbr. Co., Majestic Bldg., Detroit, Mich.
Derryfield Co., sashes, doors & blinds, Manchester, N. H.
Dershimer & Griffin, contractors, masons' & bldrs.' matls., ton, Pa.
Des Arc Hoop & Lumber Co., Des Arc., Ark.
Desch, J. W., masons' & bldrs.' matls., Celina, Ohio.
Deschand Engng. Corp., tools, 90 West, New York.
Deschauer, S., Co., plumbers' & steam fitters' supplies, Blue Island av, Chicago, Ill.
Deschauer Wire & Iron Wks., 2009 Larrabee, Chicago, Ill.
Deschler, August, machsts., Chillicothe, Ohio.
Deschutes Pine Lumber Co., Pringle Falls, Ore.
Des Cognets, Louis, & Co., masons' & bldrs.' matls., Lexi Ky.
Desha Lumber Co., Lake Providence, La.
De Shay, D. H., agricultural implements, Elysburg, Pa.
Deshler Broom Factory, Deshler, Neb.
Deshler Foundry & Machine Wks., irons & feed grinders, D Ohio.
Deshler Mail Box Co., Deshler, O.
De Sibour, Jules H., architect, Hibbs Bldg., Washington,
Designers' Instrument Co., 3323 N. Clark, Chicago, Ill.
Desjardins Co., architects, Majestic Bldg., Denver, Colo.
Deslauriers Column Mould Co., Woolworth Bldg., New Yo

esloge Consolidated Lead Co., Rialto Bldg., St. Louis, Mo.
e Smet Quartz Tile Co., stucco work & mfrs., 133 W. Washington, Chicago, Ill.
es Moines Bale Tie Co., Des Moines, Ia.
es Moines Brick & Tile Co., Des Moines, Ia.
es Moines Bridge & Iron Co., 9th & Tuttle, Des Moines, Ia.
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es Moines Broom Co., Des Moines, Ia.
es Moines Building Material Co., Des Moines, Ia.
es Moines Casket Co., Des Moines, Ia.
es Moines Clay Co., Des Moines, Ia.
es Moines Engineering & Construction Co., Des Moines, Ia.
es Moines Fuel & Lime Co., Des Moines, Ia.
es Moines Incubator Co., Des Moines, Ia.
es Moines Iron Co., Des Moines, Ia.
es Moines Marble & Mantel Co., Des Moines, Ia.
es Moines Refining Assay Co., softeners—water, Des Moines, Iowa.
es Moines River & Gravel Co., Harvey, Ia.
es Moines Saddlery Co., Des Moines, Ia.
es Moines Sand & Fuel Co., Des Moines, Ia.
es Moines Sheet Metal Co., Des Moines, Ia.
es Moines Silo & Mfg. Co., Des Moines, Ia.
es Moines Slide Co., Des Moines, Ia.
es Moines Steel Co., Des Moines, Ia.
es Moines Stove Repair Co., Des Moines, Ia.
s Moines Structural Steel Works, Des Moines, Ia.
s Moines Tent & Awning Co., Des Moines, Ia.
smond, D. J., Commissary Co., contractors, Underwood Bldg., San Francisco, Cal.
smond & Lord, architects, 15 Beacon, Boston, Mass.
smond, M. Mfg. Co., machsts., Edwardsville, Ill.
smond, Owen E., contractor, 429 Plymouth ct, Chicago, Ill.
smond-Stephan Mfg. Co., machsts. & fndrs., Urbana, Ohio.
smond Supply Co., contrs., 525 Market, San Francisco, Cal.
smond, Theo. H., landscape architect, Hartford, Conn.
Snell, G. E., architect, 3 N. Montana, Butte, Mont.
Soto Brick Co., Ltd., Mansfield, La.
Soto Brick & Tile Works, De Soto, Ia.
Soto Co., turpentine, Quitman, Ga.
Soto Cotton Oil Co., Mansfield, La.
Soto Foundry & Machine Co., Ltd., Mansfield, La.
Soto Hardwood Flooring Co., Memphis, Tenn.
Soto Oil Co., Memphis, Tenn.
Soto Paint Mfg. Co., Memphis, Tenn.
Soto Roller Mills, flour, De Soto, Mo.
spard, F. F., mill supplies, Utica, N. Y.
spatch Mfg. Co., annealing furnaces, ovens & electric cooking app., 120 1st, N. W., Minneapolis, Minn.
per, H. A., plumbers' specialties, 16 Foster, Worcester, Mass.
Rivieres, Geo. R., baled shavings, 5444 S. Mich., Chicago, Ill.
rosier, Gilbert, carriages, Northampton, Mass.
sau, D. (S. Dessau's Son), black diamond bortz importers, 180 B'way, New York. *See adv index at end of book.*
sau, Maurice S., black diamond carbons, 6 Maiden la, New York. *See adv index at end of book.*
sert, Crystal Salt Co., White Plains, Nev.
sureau & Co., granite, Barre, Vt.
ste, Julian, Co., steam engineering specialties mfrs., 26 Canal, Boston, Mass. *See adv index at end of book.*
tremps, Lewis E., architect, N-B Theatre Bldg., New Bedford, Mass.
tremps, Louis G., & Sons, architects, 58 Bedford, Fall River, Mass.
truction Co., garbage burners, 111 Broadway, New York.
voyan, Helia L., architect, Central Falls, R. I.
Tamble Motors Co., Anderson, Ind.
jen & Son, contrs., Sedalia, Mo.
laff, A. J., Co., machsts. & fndrs., & plating wks., 121 E. Lafayette, Detroit, Mich.
mer, Hy., pianos, 158 S. Wabash av, Chicago, Ill.
ner Mfg. Co., gas machines, 2518 Archer av, Chicago, Ill.
'az Bros., masons' & bldrs., matls. & supplies, Vevay, Ind.
rick, M. H., Co., boiler & fire brick, 549 W. Washington, Chicago, Ill.
'oit Alaska Knitting Mills, lumbermen's socks, 575 Michigan av. Detroit, Mich.
'oit Arch'l Iron Wks., C., Book bldg, Detroit, Mich.
'oit Auto Dash Co., wood rims, E. Philadelphia & G. T. R.R., Detroit, Mich.
'oit Auto Piston Co., 285 W. Baltimore, Detroit, Mich.
oit Auto Specialty Co., water cooling radiators, 909 Greenwood av, Detroit, Mich.
'oit Automatic Scale Co., machsts., 30 Antritan, Detroit, Mich.
oit Axle Co., 235 16th, Detroit, Mich.
oit Belt Lacer Co., Detroit, Mich.
oit Blowpipe Co., dust collectors, 366 Grand River av, Detroit, Mich.
oit Boat Co., motor boats, Kerchol & Connors Cr., Detroit, Mich.
oit Brass Wks., hose cocks, 331 Holden, Detroit, Mich.
oit Bridge & Iron Wks., Steel Struct. Wk., Rouge river, Detroit, Mich.
oit Building & Construction Co., Free Press Bldg., Detroit, Mich.

Detroit Cabinet Co., 988 Riopelle, Detroit, Mich.
Detroit Can Co., 1460 Russell, Detroit, Mich.
Detroit Carriage Goods Co., motor hoods, 288 E. Jefferson, Detroit, Mich.
Detroit Casket Co., 185 Congress W., Detroit, Mich.
Detroit Cedar & Lumber Co., Dime Bank bldg., Detroit, Mich.
Detroit Chandelier Lamp Co., Elec. Fix., 79 B'way, Detroit, Mich.
Detroit Chemical Works, alumnia sulphate, nitric acid, 238 Junction av, Detroit, Mich.
Detroit Coin Wrapper Co., 15 W. Milwaukee, Detroit, Mich.
Detroit Column & Mfg. Co., Holden & C, Detroit, Mich.
Detroit Copper & Brass Rolling Mills, Clark av, nr. Wabash, Detroit, Mich.
Detroit Cornice & Slate Co., 147 Antoine, Detroit, Mich.
Detroit Corrugated Box & Board Co., corrugated paper, 88 Isabella, Detroit, Mich.
Detroit Creamery Co., canned goods, 98 Grand River, Detroit, Mich.
Detroit Decorative Supply Co., 812-14th, Detroit, Mich.
Detroit Edge Tool Wks., machsts., 740 E. Woodridge, Detroit, Mich.
Detroit Electric Furnace Co., 642 Book bldg., Detroit, Mich.
Detroit Elec. Heater Co., elec. sad irons, Detroit, Mich.
Detroit Engine Wks., Kerchol & Connors, Detroit, Mich.
Detroit Excelsior Wks., 2116 Russell, Detroit, Mich.
Detroit Flower Pot Mfg. Co., Lafferty & Howard, Detroit, Mich.
Detroit Forging Co., 120 Mount Elliott av, Detroit, Mich.
Detroit Foundry Co., stoves, wall torches, etc., Riopelle & Grand blvd., Detroit, Mich.
Detroit Fuse & Mfg. Co., 1400 Rivard, Detroit, Mich.
Detroit Garage Equipment Co., 268 Jefferson av, Detroit, Mich.
Detroit Gas & Elec. Fix. Co., 68 W. Gd. River av, Detroit, Mich.
Detroit Gear & Mach. Co., 129 Franklin, Detroit, Mich.
Detroit Glove & Mfg. Co., 64 Congress W., Detroit, Mich.
Detroit Graphite Co., paints, 10-12th, Detroit, Mich.
Detroit Gray Iron Fdy. Co., 401 Wight, Detroit, Mich.
Detroit Grinding Wheel Co., emery wheel mfrs., Jefferson & Field, Detroit, Mich.
Detroit Htg. & Lighting Co., machsts., Lieb & Wight, Detroit, Mich.
Detroit Htg. & Refrigerating Co., machsts, 631 Gratiot, Detroit, Mich.
Detroit Hoist & Machine Co., Detroit, Mich.
*See adv index at end of book.*
Detroit Insulated Wire Co., Wesson & Albert, Detroit, Mich.
Detroit Iron & Steel Co., blash furnaces, Zug Island Delray, Detroit, Mich.
Detroit Laundry Mach. & Supply Co., 224 21st, Detroit, Mich.
Detroit Lead Pipe Wks., 61 2nd, Detroit, Mich.
Detroit Leather Specialty Co., Inc., packing washers, etc., 275 Beecher av, Detroit, Mich.
Detroit Leather Wks., auto belts, 141 E. Lafayette, Detroit, Mich.
Detroit Lighting Fix. Co., elec. fixtures, 222 Jefferson av, E. Detroit, Mich.
Detroit Lubricator Co., Detroit, Mich.
Detroit Lumber Co., Jefferson & Junction avs, Detroit, Mich.
Detroit Mach Co., machsts., ft. of Hellger av., Detroit, Mich.
Detroit Marvel Brass Mfg. Co., plumbing traps, etc., 326-332 Rivard, Detroit, Mich.
Detroit Mausoleum Equip. Works, archl. & bronze workers, 175 W. Fort, Detroit, Mich.
Detroit Metal Refining Co., Book bldg, Detroit, Mich.
Detroit Metal Spinning Co., 197 Monroe av, Detroit, Mich.
Detroit Metallic Casket Co., metallic burial cases, 862 Gratiot av, Detroit, Mich.
Detroit Mill Supply Co., 64 High, Detroit, Mich.
Detroit Milling Co., flour, 360 Division, Detroit, Mich.
Detroit Mirror Wks., 4th & Porter, Detroit, Mich.
Detroit Model Mach. Wks., wrenches, Fremont, Ohio.
Detroit Motor Castings Co., 299 Beaufait, Detroit, Mich.
Detroit Nut Co., Hubbard av & M. C. R. R., Detroit, Mich.
Detroit Oak Belting Co., 266 Wight, Detroit, Mich.
Detroit Oil & Cotton Co., meal, Detroit, Tex.
Detroit Paper Tube & Can Co., mfrs. of mailing tubes, 26 Griswold, Detroit, Mich.
Detroit Pattern Wks., 9 W. Woodbridge, Detroit, Mich.
Detroit Piston Ring Co., 53 Richmond, Detroit, Mich.
Detroit Plbg. Supply Co., water closets, seats & flushing valves, 617 Mack av., Detroit, Mich.
Detroit Pneumatic Chuck Co., pneumatic chucks, 516 F. P. Bldg., Detroit, Mich.
Detroit Pressed Steel Co., Detroit, Mich.
Detroit Publishing Co., post cards, 731 Vermont, Detroit, Mich.
Detroit Rack Co., umbrella stands, Elmwood & Hendrick, Detroit, Mich.
Detroit Range Boiler & Steel Barrel Co., 619 24th, Detroit, Mich.
Detroit Reamer & Tool Co., cutters, high speed drills, etc., 302 Congress, Detroit, Mich.
Detroit Refining Co., paints, Majestic Bldg., Detroit, Mich.
Detroit Register Co., 88 E. Jefferson av., Detroit, Mich.
Detroit River Iron Wks., steam engines, 661 E. Atwater, Detroit, Mich.
Detroit Roofing Tile Co., Detroit, Mich.
Detroit Rubber Stamp Co., steel stamps, 69 Shelby, Detroit, Mich.

Detroit Sanitary Bag Co., machine wipers, 27 Woodward av, Detroit, Mich.
Detroit Sanitary Supply Co., plumbers' supplies & bath room fix., 1191 2nd, Detroit, Mich.
Detroit Saw & Tool Co., 66 E. Fort, Detroit, Mich.
Detroit Scoop Truck Co., 2225 Jefferson av, W., Detroit, Mich.
Detroit Screw Works, 368 Franklin, Detroit, Mich.
Detroit Seamless Steel Tube Co., W. Warren & Wyoming, Detroit, Mich.
Detroit Shipbuilding Co., ft. Orleans, Detroit, Mich.
Detroit Show Case Co., 480 Fort, W., Detroit, Mich.
Detroit Soap Co., presses, Detroit, Mich.
Detroit Socket Co., 834 W. Jefferson, Detroit, Mich.
Detroit Soluble Oil Co., Beard & M. C. R.R. Detroit, Mich.
Detroit Stamping Co., 957 W. Fort, Detroit, Mich.
Detroit Standard Gear Co., Detroit, Mich.
Detroit Starter Co., auto. lamps & mfrs. automobile starters, 32 E. Larned, Detroit, Mich.
Detroit Steam Appliance Co., power plant equipment, 500 Union Trust Bldg., Detroit, Mich.
Detroit Steel Casting Co., 1243 Michigan, Detroit, Mich.
Detroit Steel Cooperage Wks., Detroit, Mich.
Detroit Steel Products Co., springs, windows, etc., 2250 E. Grand blvd., Detroit, Mich.
Detroit Stoker Co., machsts. & fndrs., 2642 N. Grand blvd., Detroit, Mich.
Detroit Store Fixture Co., 16 Cathenne, Detroit, Mich.
Detroit Stove Works, stoves, ranges & furnaces, machsts. & fdrs., 1320 Jefferson av, Detroit, Mich.
Detroit Sulphite Pulp & Paper Co., 2607 W. Jefferson, Detroit, Mich.
Detroit Tech. Inst., engng. schools & coll., Adams & Witherell, Detroit, Mich.
**Detroit Testing Laboratory, 674 Woodward, Detroit, Mich.**
Detroit Tool Co., machy., 1487 St. Antoine, Detroit, Mich.
**Detroit Trailer Co., auto. truck trailers, 673 Atwater, E. Detroit, Mich.**
Detroit Truck Co., mfrs. auto trucks, 815 2nd, Detroit, Mich.
**Detroit Twist Drill Co., 555 Fort, W., Detroit, Mich.** *See adv. index at end of book.*
Detroit Valve & Fittings & Detroit Brass, Wyandotte, Mich.
Detroit Vapor Stove Co., 1633 Kercheval, Detroit, Mich.
Detroit Varnish Co., 560 E. Milwaukee, Detroit, Mich.
Detroit Waste Wks., 112 Larned, W., Detroit, Mich.
Detroit Weatherproof Body Co., auto tops, Pontiac, Mich.
Detroit White Lead Wks., 560 E. Milwaukee, Detroit, Mich.
Detroit White Metal Co., Inc., 628 W. Jefferson av, Detroit, Mich.
Detroit Window & Stained Glass Co., Detroit, Mich.
Detroit Wire Bound Box Co., 1031 18th, Detroit, Mich.
Detroit Wire & Iron Wks., 1160 Jefferson av, E., Detroit, Mich.
Detroit Wire Wheel Corp., 337 Clayton, Detroit, Mich.
Detroit Wood Pulley Co., Detroit, Mich.
Detroit Wood Products Co., wood handles, etc., 100 Horatio, Detroit, Mich.
Detroit Wks., builders, hdwe, mfrs., sash centers & window pivots, 238 E. Larned, Detroit, Mich.
Detroit-Wyandotte Motor Truck Co., Wyandotte, Mich.
Detroiter Motor Car Co., Stanley & Vermont avs, Detroit, Mich.
Dettman, Wm. C., cornices, Danville, Ill.
Dettmer & Handwerk, masons' & bldrs.' matls., Slatington, Pa.
Dettra, Jno. C., & Co., flag mfrs., Oaks, Pa.
Detweiler, Theo., masons' & bldrs.' matls., Brookville, Ohio.
Detwiler Monumental Works, Phoenixville, Pa.
Detwiller & Street Fireworks Mfg. Co., 22 Park pl, New York.
Deuback, B., & Son, machsts. fndrs., Dallas, Tex.
Deuel, Chas. C., Co., pipe bends, tanks, etc., 75 Jones, Detroit, Mich.
Deuer, C. H., lumber mfr., Misouri Valley, Ia.
Deuscher, H. P., Co., grey iron castings, Hamilton, Ohio.
Deuse, J. S., machsts. & fndrs. & bits, drills, ice picks, etc., Chester, Conn.
Deutch, Arthur, handles, Savannah, Ga.
Deutsch, Chas., mantles, 177 E. 87th, New York.
Deutsch, Jacob, cornices, 232 Chrystie, New York.
Deutsch, N. & Co., smelters and refiners, 540 W. 13th, Chicago, Ill.
Deutz, A., & Bro., masons' & bldrs.' matls. & wholesale hdwe., Laredo, Tex.
Devall Bluff Gin & Milling Co., Devall Bluff, Ark.
Devaney, Jno. J., Co., cornices & skylights, Bayonne, N. J.
De Vault, Jas., contractor, Canton, Ohio.
De Ved & Sons Sash Weight Co., tin plate, metals, etc., 807 S. Howard, Baltimore, Md.
Develine Foundry & Machine Works, Boulder, Colo.
Deveney, J. B., & J., trunk mfrs., 126 N. 16th, Philadelphia, Pa.
Devenpeck Coal Co., masons' & bldrs. matls., Schenectady, N. Y.
Devereaux, Valentine, architect, 345½ Washington, Portland, Ore.
Devereaux, Ward, machsts. & fndrs., Bancroft, Mich.
Devere & Schloegel Lbr. Co., 606 Park, Milwaukee, Wis.
Deverell Perfection Mfg. Co., machsts., Caton av, B'klyn, N. Y.
Deverell, Spencer & Co., contractors, Garrett Bldg., Balto., Md.
Deverell, W. P., contractor, Ramge Bldg., Omaha, Neb.
De Vilbiss Mfg. Co., paint spraying machines, Toledo, Ohio.
Devilbiss, G. W., canned goods, Stewartstown, Pa.
Devillers Soap Co., 95 Cliff, New York.

Devine, J. C., Co., contractors, Alliance, Ohio.
Devine, J. P., Co., chemical & distilling apparatus, machy auto boxes, Buffalo, N. Y.
Devine, P., F., trunk mfr., Lowell, Mass.
Devitt, Paul J., mill & facty. supplies, 1101 S. 2nd, Phila,
Devlin, Chas., & Sons, Inc., cotton waste, 3219 Kensington, P delphia, Pa.
Devlin, Chas. J. I., architect, Pacific Bldg., San Francisco,
Devlin, Hary J., htg. contrs., 218 E 43d, Chicago, Ill.
Devlin, John O., Constr. Co., 233 Broadway, New York.
**Devlin, Leo J., architect, Pacific Bldg., San Francisco, Cal.**
Devlin, Thos., Mfg. Co., machsts. & fndrs., & plumbing & st fitters' supplies, 3d & Lehigh av, Philadelphia, Pa.
Devney, H. J., marine ry. bldrs., Ashtabula, Ohio.
Devoe, A. S., architect, Endicott bldg, St. Paul, Minn.
Devoe & Raynolds Co., bronze powders, paint & oil paint m 101 Fulton, New York. *See adv index at end of book*
De Vogel Contr. Co., Passaic, N. J.
De Vore-McGormley Co., contractors, Toledo, Ohio.
De Voss, W. A., architect, Portsmouth, Ohio.
Devou, V. N., Supply Co., mill & facty. supplies, 506 Centra Cincinnati, Ohio.
De Voursney Bros., lamps, 389 Broome, New York.
De Vries Bros., machsts., Passaic, N. J.
De Vries, S. J., & Co., lbr., 840 W. 47th, Chicago, Ill.
De Vry Corp., searchlights, 1248 Marianna, Chicago, Ill.
Dewar Bros., trunks, Denver, Colo.
**Dewar Mfg. Co., mine lamps, 34-35th, Brooklyn, N. Y.**
De Weerd, Geo., architect, Holland, Mich.
Dewees, Jno. W., machst., 640 Filbert, Philadelphia, Pa.
Deweese-Rogers Lbr. Co., Philadelphia, Miss.
Deweese, F. M. & Co., machinist, Chillicothe, Ohio.
Dewes, A., Co. (The), flexible metallic hose & tubing, Lafayette, New York.
Dewes, John-Gumbs Die Co., die cutting, 403 Broome, New
Dewey Bros., mill & facty. supplies, Goldsboro, N. C.
Dewey Column & Monumental Wks., granite, Barre, Vt.
Dewey Engng. Co., 25 Hancock pl, New York.
Dewey, F. E. & B. A., paper ruling machs., Springfield, Ma
Dewey, F. O., Co., headlights, lamps, etc., 28 Canal, Bo Mass.
Dewey Mfg. Co., machsts. & fndrs., Dewey, Okla.
Dewey Portland Cement Co., Scarritt Bldg., Kansas City
Dewey, R. E., thermostats, Grand Rapids, Mich.
Dewing & Sons, masons' & bldrs.' matls., Kalamazoo, Mich
De Witt Boag Co., silk thread, Hornell, N. Y.
De Witt, Davis, Jr., advtg. signs., White Bldg., Buffalo,
De Witt, E. W., & Son, brass fndrs., Port Carbon, Pa.
De Witt, H. E., Lbr. Co., masons' materials, Lynchburg, V
De Witt Rice Mill Co., De Witt, Ark.
Dewsberry, R. A., ice cream freezers, 1010 W. Lake, Chicag
Dewsnap, Wm., architect, 334 5th av, New York.
Dexheimer, P., & Sons, contractors, Orange, N. J.
Dexter, A. M. (Est. of), mill & facty. supplies, Mattapo Mass.
Dexter & Bowles, mill & facty. supplies, Springfield, Mas
Dexter Bros. Co., waterproofing matls., 105 Broad, Boston,
Dexter, C. H., & Sons, paper & pulp mill, Windsor Locks,
Dexter Co., washing machines, Fairfield, Ia.
Dexter Engineering Co., Inc., vacuum valves, Providence,
Dexter, Everett O., contractor, Attleboro, Mass.
Dexter Farming Canning Co., Dexter, Iowa.
Dexter Folder Co., machsts. & fndrs., paper cutting & f machines, 200 5th av, New York.
Dexter, H. C., Chair Co., book cases, Black River, N. Y.
Dexter, H. H., contractor, Gary, Ind.
Dexter, I. H., Co., flexible couplings, 27 Walker, New York
Dexter Lumber Co., sash, door & blind, 4765 Montg'y pl wood, Cincinnati, Ohio.
Dexter & McCluer, architects, Canby Bldg., Dayton, Ohio
Dexter Metal Mfg. Co., bank & office fixtures (metallic), 93 Camden, N. J.
Dexter & Newton, hdwe, mfrs., 543 W. 120th, Chicago,
Dexter Portland Cement Co., Nazareth, Pa.
Dexter Sulphite Pulp & Paper Co., Dexter, N. Y.
Dexter Woodworking & Bldrs.' Supply Co., sash, door & mfrs., Dexter, N. Y.
Dexter Yarn Co., Pawtucket, R. I.
Dey, J. F., Co., contractors, 11 Highland av, Newark, N.
Deyo-Macey Engine Co., Binghamton, N. Y.
Deysher, Abner S., packing box mfrs., Reading, Pa.
De Zeng Standard Co., instruments, surgical & dental, C N. J.
De Zouche, Hanson & Co., mill & facty. supplies, 14 N. 5tl adelphia, Pa.
D. & G. Dial & Enameling Co., Waltham, Mass.
D. G. C. Valve Co., 18 E. 41st, New York.
Diadem Mfg. Co., horn combs, Fitchburg, Mass.
**DIAGRAPH STENCIL MACHINE CO.,** stencil machin & Clinton, St. Louis, Mo. *See adv. index at end of*
Diamant Tool & Mfg. Co., Inc., machinists, 97 Runyo ark, N. J.
Diament, J. E., Co., canned goods, Cedarville, N. J.
**Diamond Alkali Co., First Nat'l Bank Bldg., Pittsburgh,**
Diamond, Bernard, contractor, 12 Bergen, Brooklyn, N.
Diamond Boiler Works, 2200 N. 1st, Minneapolis, Minn.
Diamond Braiding Mills, shoe laces, Chicago Heights, Il

mond Brass Fdry. & Mach. Co., 1115 Washington blvd, Chicago, Ill.
mond Brick Co., Oak Hill, Ohio.
mond Cable Co., lightning rods, Bourbon, Ind.
mond Calk Horse Shoe Co., Duluth, Minn.
mond Carbon Co., mfrs. carbon black, Atlas Bank bldg. Cincinnati, Ohio.
mond Chain Co., York, Pa.
mond Chain & Mfg. Co., 502 Kentucky av, Indianapolis, Ind.
mond Clamp & Flask Co., Richmond, Ind.
mond Coal Co., Albuquerque, N. M.
mond Coal & Coke Co., bituminous, Birds Run Dock, Pittsburgh, Pa.
mond Constr. Co., Huntington, W. Va.
mond Cork Co., 59 Pearl, New York.
mond Cupped Bearing Co., 130 Manhattan, New York.
mond Crystal Salt Co., St. Clair, Mich.
mond Door Hanger Co., 28 Rodney, Brooklyn, N. Y.
mond Drill Carbon Co., 59 Park Row, New York.
mond Drill Contr. Co., Spokane, Wash.
mond Drilling Co., contr., 768 Mission, San Francisco, Cal.
mond Elec. Co., sad irons, stoves, etc., Binghamton, N. Y
mond Elec. Soap Co., Greenfield, Mass
mond Elec. Water Heater Co., Kohl Bldg., San Francisco, Cal.
mond Expansion Bolt Co., 89 West, New York.
*See adv index at end of book.*
mond Fire Brick Co., Canon City, Colo.
mond Forging & Mfg. Co., 2601 California, Pittsburgh, Pa.
mond Fdry. Co., Akron, Ohio.
mond Glass Co., 1447 W. 25th, Cleveland, Ohio.
mond Glass Co., bottle mfrs., Royersford, Pa.
mond Glue Co., gelatine mfrs., Ill. Mich. Canal, Chicago Ill., & 213 N. Water, Philadelphia, Pa.
mond Huller Co., Winona, Minn.
mond, I., architect, 504 E., N. W., Washington, D. C.
mond Ink Co., glue, etc., 192 E. Water, Milwaukee, Wis.
mond Iron Works, 2d & 18th av, N., Minneapolis, Minn.
mond, L. J., boilers, Elwood, Ind.
mond Lbr. Co., Wilmington, Del.
mond Lumber Co., Green Bay, Wis.
mond, McDonnell & Co., shoe blacking, 409 N. 4th, Phila., Pa
mond Mach. Co., coal chutes, pumps, Monongahela, Pa.
mond Mach. Co., magnetic chucks, grinding & polishing machinery mfrs., Providence, R. I.
mond Mfg. Co., see Motor Products Corp. (successor).
mond Match Co., match mfrs. & machsts. & fndrs., 111 B'way, New York.
mond Metal Weather Strip Co., Columbus, Ohio.
mond Mill Co., flour, Sherman, Texas.
mond Mills Paper Co., 44 Murray, New York.
mond Mountain Lbr. Co., Susanville, Cal.
mond, Nicholas & Co., sample cases, 616 W. Adams, Chicago Ill.
mond Oil Co., core, paint & varnishes, 52nd & Sprays av. Philadelphia, Pa.
mond Paint & Varnish Co., 910 Champlain av, Cleveland, Ohio.
mond Paste Co., Albany, N. Y.
mond Point Pen. Co., 44 E. 23d, New York.
mond Portland Cement Co., 1313 Williamson, Cleveland, O
mond Power Specialty Co., flue cleaners, Oakland & Caniff, Detroit, Mich.
mond Press Brick Co., Ferris, Tex.
mond Red Paint Co., 2750 N. Lincoln, Chicago, Ill.
mond Rubber Co., Akron, Ohio.
**MOND SAW & STAMPING WORKS,** "Sterling" hac saws, machines, & frames, 357 7th, Buffalo, N. Y.
*See adv index at end of book.*
ond Show Case Co., 2210 Superior, N. W., Cleveland, Ohio
ond Spec. Co., carbon removers, Indianapolis, Ind.
ond Specialty & Supply Co., boring bars, gauge glasses t whol. hdwe., 1225 Arch, Philadelphia, Pa.
ond State Fibre Co., advtg. nov. & spec. artificial leather ibre goods, Bridgeport, Pa.
ond Steel Pole Co., Land Tile Bldg., Philadelphia, Pa.
ond Stone Co., Passaic, N. J.
ond T., Motor Car Co., 4501 W. 26th, Chicago, Ill.
ond Tack & Nail Wks., 89 Beach, Boston, Mass.
ond Textile Machine Wks., 1820 N. 10th, Philadelphia, Pa
ond Tool & Die Co., lathes, tools, 438 Asylum, Hartford 'onn.
ond Veneer Co., Edinburg, Ind.
ond Wall Cement Co., wall plaster mfr., Williamsport, Pa
ond Whip Co., axle & leather washers, 406 N. Curtis, Chi go, Ill.
nd Wire & Iron Wks., oven wire goods, 201 N West, Indianapolis, Ind.
Oil & Grease Co., 554 Hamilton av, Brooklyn, N. Y.
Paper Co., Watertown, N. Y.
, Chas. E., contractor, Adrian, Mich.
, S. B., Lumber Co., North Adams, Mass.
, Wallace E., architect, 317 Main, Springfield, Mass.
a, Jas. B., architect, 2743 W. 22nd, Chicago, Ill.
t, Bancroft & Ross Co., Ltd., mill & facty. supplies, Tulane Hagan av, New Orleans, La.
, L. C., Co., extractors, 138 1st, San Francisco, Cal.

Dibert, Stark & Brown Cypress Co., Ltd., Donner, La.
Di Blasi, Alfred, architect, Corona, N. Y.
Diboll & Owen, Ltd., archts., Interstate Bldg., New Orleans, La.
Di Bona, Luigi, granite, W. Quincy, Quincy, Mass.
Di Camillo, Raymond C., architect, 8101 Dower av, Cleveland, Ohio.
Dice Mach. Co., Anderson, Ind.
Dick, A. B., Co., duplicators, 736 W. Jackson blvd, Chicago, Ill.
Dick Bros. (Inc.), cocks (basin, bath), machsts. & fndrs., Reading, Pa.
Dick, D. D., & Sons, enamelers, 519 Cherry, Philadelphia, Pa.
Dick, David & Son, architects, Charleston, W. Va.
Dick, Gustav A., architect, 811 State, Milwaukee, Wis.
Dick, J. H., trunk mfrs., 645 W. Madison, Chicago, Ill.
Dick, J. I., Co., cornices, Scottdale, Pa.
Dick, Jos., Mfg. Co., mchsts. & fndrs., & agricultural implts., Canton, Ohio.
Dick & Monaco, contrs., Bernardsville, N. J.
Dick, R. & J., Co., Inc., mill & factory supplies, 557 Mission, San Francisco, Cal.
Dick, R. & J., Ltd., belting, turned shafting & wrought steel pulleys, Passaic, N. J.
Dick Sand Co., Franklin, Pa.
Dick, Wilmot, contractors, Camden, N. J.
Dickason, Goodman, Lbr. Co., K. & P. Bldg., Kansas City, Mo.
Dicke Tool Co., Downers Grove, Ill.
Dickelman Mfg. Co., cornices & skylights & conductor pipe & eaves troughs, Forest, Ohio.
Dickenson, H. G., machsts., Rockford, Ill.
Dickerman & Co., masons' & bldrs.' matls., Concord, N. H.
Dickerman, E. W., architect, Perry Bldg., Binghamton, N. Y.
Dickerman Hardware & Supply Co., Wallingford, Conn.
Dickerman, J. A., rattan furniture, Gardner, Mass.
Dickerson Bldg. Supply Co., sash, door & blind, Fairmont, W. Va.
Dickerson Cotton Cleaner Co., machines, Ft. Worth, Tex.
Dickerson, Edward, contractor, Chester, Pa.
Dickerson Lbr. Co., masons & bldrs. mtls. & sashes, Huntington, W. Va.
Dickerson, Van Dusen, & Co., tin, plate, 32 Cliff, New York.
Dickey, A., & Co., porch columns, rope mouldings, etc., 37 Bristol, Boston, Mass.
Dickey, A. F., architect, Huntington, W. Va.
Dickey, A. P., Mfg. Co., fanning mills, coffe, bean, pea & rice cleaners & graders, Racine, Wis.
Dickey Belting Co., Lewiston, Me.
Dickey, C. W., & Donovan, John J., architects, 414 15th, Oakland, Cal.
Dickey Grabler Works, dies, etc., W. Madison & 103rd, Cleveland, Ohio.
Dickey, H. M., masons' & bldrs.' matls., Oldtown, Me.
Dickey, Leroy W., contractor, Lowell, Mass.
Dickey Mfg. Co., seals, Indiana Harbor, Ind.
Dickey, W. S., Clay Mfg. Co., masons' & bldrs. matls., N. Y. Life Bldg., Kansas City, Mo. *See adv index at end of book*
Dickhoff, Samuel, contractor, Schenectady, N. Y.
Dickie, D. W. & R. Z., naval architects, 112 Market, San Francisco, Cal.
Dickie, Jas., architect, 112 Market, San Francisco, Cal.
Dickinson Ball Bearing Wheel & Vehicle Co., Little Rock, Ark.
Dickinson Brick & Tile Co., Glasgow, Ky.
Dickinson Bros., masons' & bldrs.' matls., Glasgow, Ky.
Dickinson, Chas. W., hickory handles, Ypsilanti, Mich.
Dickinson, C. W. Jr., machst. Belleville, N. J.
Dickinson Co., canned goods, Oswego, Ore.
Dickinson & Co., canned goods, Eureka, Ill.
Dickinson, D. E., architect, Blissfield, Mich.
Dickinson Fire Brick Co., Buena Vista, Va.
Dickinson Fire & Pressed Brick Co., Dickinson, N. D.
Dickinson, Frank L., architect, Westville, N. J
Dickinson, Geo. A., contractor, Bellingham, Wash.
Dickinson, H. H., Builders' Supply Co., 1140 14th av, Detroit, Mich.
Dickinson & Hockenberry, contractors, Marietta, Ohio.
Dickinson, J. Q., & Co., bromine, Malden, W. Va.
Dickinson, Paul, round house smoke jacks, 3346 S. Artesian av, Chicago, Ill.
Dickinson, Thos. L., diamond tools mfrs., 36 Gold, New York.
Dickinson, W. E., architect, 136 Market, Paterson, N. J.
Dickinson's, A., Sons, lbr., pails, boxes, etc., Ashuelot, N. H.
Dickison, Guy B., contrs., Union Bldg., Syracuse, N. Y.
Dickover, Geo. T. & Son, contractors, Wilkes-Barre, Pa.
Dickover, M. A., contrs., Hammond, Ind.
Dickow, Fred C., machy. dir., 3504 W. Lake, Chicago, Ill.
Dicks, David, & Co., Inc., dyes, colors, etc., Varick & N. Moore, New York.
Dicks-Pontius Co., cements, wax, etc., Dayton, Ohio.
Dicks, Slosson Co., Inc., humidifying app., 302 B'way, New York.
Dickson, A. L., contrs., Jackson, Miss.
Dickson Bros., drain tile, Whiteland, Ind.
Dickson & Bull, mfrs. artificial limbs, 2116 Telegraph av, Oakland, Cal.
Dickson Car Wheel Co., Houston, Tex.
Dickson & Co., mill & facty. supplies, New Castle, Pa.
Dickson, J. W., machsts. & fndrs., Castle Rock, Wash.
Dickson, J. W. Co., lumber, Memphis, Tenn.
Dickson, Jas. C., lbr. mfrs., 936 E. Vermont, Indianapolis, Ind.

Dickson, R., architect, Virginia City, Nevada.
Dickson & Turnbull, contractors, 421 W. 54th, New York.
Dictograph Co., 220 W. 42d, New York.
Didier-March Co., mfrs. fire brick, all kinds, Perth Amboy, N. J.
Didier, Wm., Mfg. Co., machsts., Racine, Wis.
Didriksen, H. P., floor-finishing machs., 1826 Summit, Columbus, Ohio.
Die Cast Fibre Co., Wilmington, Del.
**DIE CASTING COMPANY OF OHIO (THE)**, Toledo, Ohio.
*See adv index at end of book*
Die Sinking & Mach. Co., rubber molds, Akron, Ohio.
Diebold Elec. Co., mach. dlrs., Salt Lake City, Utah.
Diebold, John, & Sons Stone Co., 1417 16th, Louisville, Ky.
Diebold Lumber & Mfg. Co., embossed mouldings, 93 Wabash av, Pittsburgh, Pa.
Diebold Products Co., machsts., 5333 St. Clair, Cleveland, Ohio.
Diebold Safe & Lock Co., Canton, Ohio.
*See adv index at end of book*
Dieckman Hardwood Co., 350 Beach, San Francisco, Cal.
Dieckmann, Ferdinand, Co., conductor pipe, etc., 1182 Harrison av, Cincinnati, Ohio.
Diedrick, Aug., contractor, 97 Van Buren, Brooklyn, N. Y.
Diefenbacher, Philip, & Son., hollow bldg. blocks, Massillon, O.
Diefenderfer & Dinwiddle Co., who. h'dwe., Sheridan, Wyo.
Diefendorf Gear Corp., Syracuse, N. Y.
Diefenthaler & Co., brick & tile, Millbury, O.
Dieffenbacher, P., & Sons, contractors, Massillon, Ohio.
Diehl, D. S. & Co., lbr. Colville, Wash.
Diehl, F. F., contractor, 3539 Shaw av, Cincinnati, Ohio.
Diehl, G. M., Mach. Wks., Wabash, Ind.
Diehl, H. P., Co., fireworks, Lawrenceburg, Ind.
Diehl Mfg. Co., machsts., Elizabeth, N. J.
Diehl Novelty Co., mchsts. & fdrs., Glenbeulah, Wis.
Diehl, Omwake & Diehl, masons' & bldrs.' matls., Chambersburg, Pa.
Diehl, Pottery Co., Drexel bldg., Philadelphia, Pa.
Diehl, Wm. H., badges & buttons, 923 Ridge, Philadelphia, Pa.
Dielectric Mfg Co., compounds, wood preservatives, paints, varnishes, etc., 224 S. Vandeventer av, St. Louis, Mo.
Dielmann, Jno. C., masons' & bldrs.' matls., San Antonio, Tex.
Dielmann, L. M. J., architect, 306 E. Commerce, San Antonio, Tex.
Dielmore Valve Co., Tacoma, Wash.
Diem & Wing Paper Co., Gilbert av, Cincinnati, Ohio.
Dieman & Co., architect, Granby bldg., Cedar Rapids, Iowa.
Diemer, John F., Co., envelopes, 107 Lafayette, New York.
Diemer, Julius J., architect, 1 Madison av, New York.
Diemer, Philip H., architect, 128 Humboldt, Weehawken, N. J.
Dienelt & Eisenhardt, power hammers, linoleum & textile machinery, 1304 No. Howard, Philadelphia, Pa.
Diener, Geo. W., Mfg Co., cans, torches, fire extinguishers, etc., 400 Monticello av., Chicago, Ill.
Diener, T. C., & Co., stone producers, 1157 W. 21st, Chicago. Ill.
Dienst, A. P., Co., steam fitters', mill & facty. supplies, 2604 3d av, New York.
Diercks-Blodgett Shipbldg. Co., Pascagoula, Miss.
Dierks Lbr. & Coal Co., masons' & bldrs.' matls., Gates Bldg., Kansas City, Mo.
Dierks & Sons Lbr. Co., sash, door & blind mfrs., 19th cor. Woodland av, Kansas City, Mo.
Diestel, John., contrs., 235 Montgomery, San Francisco, Cal.
Diestler Co., lumber, Hortonville, Wis.
Dieter Nut Co., 374 Madison av, New York.
Dieter & Wenzel Construction Co., contrs., Joplin, Mo.
Dieterler, Chas. T. E., architect, 15 W. 38th, New York.
Dietrich & Beutin, brick, Dubuque, Iowa.
Dietrich Bros., steel structural dealers, Pleasant & Davis, Baltimore, Md.
Dietrich, E. G. W., architect. 1 Madison av. New York.
Dietrich, H. A. R., htg. contrs., South Bethlehem, Pa.,
Dietrich, J., & Co., soap, San Antonio, Tex.
Dietrich, John H., carriages, Greenm't Gorsh av., Baltimore, Md.
Dietrich, Wm. A., contractor, Pottsville, Pa.
Dietrichs Valve-Oleum Oil Co., lubricating oils, 1252 W. 70th, Cleveland, O.
Diets, S. J., mchsts. & fdrs., Bloomington, Ill.
Dietsch, A. Co., sash, door & blind mfrs., 2640 Sheffield av, Chicago, Ill.
Dietz, C. N., Lbr. Co., Omaha, Neb.
Dietz, Fred, Co., wire bound boxes, 1102 Madison av, Indianapolis, Ind.
Dietz, H. Z., architect, Lafayette, Ind.
Dietz, H. Ziegler, architect, Public Sav. Ins. bldg., Indianapolis, Ind.
Dietz, J. F., Co., desk mfrs., Cincinnati, O
Dietz Machine Works, 126 Fontain, Philadelphia, Pa.
Dietz, R. E., Co., lamps, lanterns, 60 Laight, New York.
Dietz, W. G., stone, Palmyra, Pa.
Dietze, Oscar, cornices, 208 E. 74th, New York.
Dietzgen, Eugene, Co., "T" squares, architects' & engineers' instruments, 166 W. Monroe, Chicago, Ill.
Diez & Roemer Brass Co., mchsts. & fndrs., 212 Fallsway, Baltimore, Md.
Diffany & Co., machsts., 436 Mulberry, Newark, N. J.
Diffenerfer, E. H., architect, Winchester, Va.
Differential Car Co., Inc., dumping cars, 141 B'way, New York.
Differential Clock Co., 209 S. State, Chicago, Ill.
Diffley, Thos., & Co., trunk mfrs., Louisville, Ky.
Diffor, John, bldg. contr., Superior, Wis.
Di Fiore, D., Canning Co., San Jose, Cal.
Digel, S. H., contractor, Elwood, Ind.
Digestive Ferments Co., diastase & lecithin, Detroit, Mich.
Diggins, G. F., contractor, Kendallville, Ind.
Diggs & Beadles, fertilizer mfrs., Richmond, Va.
Diggs, D. W., fire extinguishers, 156 Bway, N. Y.
Diggs, S., flour mills, Oliver Springs, Tenn.
Dighton Foundry Co., Taunton, Mass
Dighton Stove Lining Co., Dighton, Mass.
Digneo, Carlos, contractor, Sante Fe, N. M.
Dikeman Mfg. Co., awls, clamps, scrapers, vises, screw dri mfrs., wrenches, etc., Norwalk, Conn.
Dildine Bridge & Iron Co., Hannibal, Mo.
Dilg Mfg. & Trading Co., dynamo mfrs., elec. fans, ice break polish, 27 E. 125th, New York.
Dilker, D. H., & Sons, contrs., Quincy, Ill.
Dill & Collins Co., paper & pulp mills, 140 N. 6th, Philadelp Pa.
Dill-Cramer-Truitt Corp., lbr. Suffolk, Va.
Dill-Crosett, Inc., chemical & steel importers, 235 Pine, Francisco, Cal.
Dill, J. T. Co., mill & facty. supplies, 90 Walker, New York.
Dill, Jas. B., flour mills, Huntingdon, Tenn.
Dill, John W., architect, Idaho Falls, Idaho.
Dill, Lewis, & Co., lumber mfrs., Keyser Bldg., Baltimore, Md
Dill Mfg. Co., junction boxes & metal stamping, etc., 684 82d, Cleveland, Ohio.
Dill, T. C., Machine Co. (slotting machines), Somerset Mascher, Philadelhia, Pa.
Dill, Wm., architect, Little Rock, Ark.
Dill, Wm. H., Co., contractors, 153 Masten av, Buffalo, N. Y.
Dillard Crawley Hardware Co., Blackstone, Va.
Dillard & Jones, flour mills, Mineral Springs, Ark.
Dille & Harris, masons' & bldrs.' matls., Valparaiso, Ind.
Dille & McGuire Mfg. Co., lawn mowers, Richmond, Ind.
Dillehay Brick Co., Danville, Ky.
Diller, Caskey & Keen, fnrds., N. 6th, c. Berks, Philadelphia,
Diller Clay & Stone Co., Lancaster, Pa.
Diller Mfg. Co., machinists, Bluffton, O.
Diller Tile Co., Bluffton, Ohio
Dilley, Clinton L., Co., masons' & bldrs.' matls., Logansport,
Dilley, Geo. E., & Son, mill & facty. supplies, Palestine, Tex.
Dilley, Wm., janitors' supplies, 22 N. 5th av, Chicago, Ill.
Dilling Cotton Mills, Kings Mountain, N. C.
Dillingham Mfg. Co., ironing boards, ladders, refrigerators, Sheboygan, Wis.
Dillman, I. M., sashes, doors & blinds, Long Beach, Cal.
Dillner-Meyer Mfg. Co., turnbickles for aircraft, W. Hobo N. J.
Dillom, J., & Co., contrs., 179 W. Washington, Chicago, Ill.
Dillon Box Iron Wks., see William A. Box Iron Works (successor).
Dillon, C. E., architect, Mechanics Bldg., Petersburg, Va.
Dillon, D. M., Steam Boiler Wks., Fitchburg, Mass.
Dillon, Edward F., contractors, 5 N. First, Albany, N. Y.
Dillon Electric Grinder Co., Canton, Ohio.
Dillon Hardware Co., Denver, Colo.
Dillon, Jno., & Co., contractors, 179 W. Washington, Chicago.
Dillon, Jno. L., masons' & bldrs.' matls., Salem, N. Y.
Dillon, J. W., masons' & bldrs.' matls., Thomasville, Ga.
Dillon, McLellan & Beadel, architects, 149 B'way, New Yor
Dillon Machine Co., Lawrence, Mass.
Dillon, Moses, Co., masons' & bldrs.' matls., Sterling, Ill.
Dillon Plow Works, Dillon, S. C.
Dillon Supply Co., mill & facty. supplies, Raleigh, N. C.
Dillon's, E., Sons, lime mfrs., Indian Rock, Va.
Dilts Machine Works, paper mill machinery, knives, etc., Ful N. Y.
Dilworth, Porter & Co., machsts. & fndrs., 4th & Bingham, P burgh, Pa.
Dilzer, Fred, htg. contractor, 58 W. Kinzie, Chicago, Ill.
Dimler Mach. Tool Co., Dayton, Ohio.
Dimock & Fink Co., mill & facty. & plumbers' supplies—job 220 E. 125th, New York.
Dimock, Gould & Co., lbr. mfrs., Moline, Ill.
Dimond, J. H. E., & Son, carriages, Urbana, Ohio.
Dimond Milling Co., cereal foods, Keokuk, Ia.
Dimond-Union Stamp Wks., 175 Washington, Boston, Mass.
Dinan, Thos. (Est. of), brick, East Kingston, N. Y.
Dines, Wm. L., Jr., Co., machsts. & rice & coffee hulling ma Worcester, Mass.
Ding & Teuscher, cornices, 11 Holland, Newark, N. J.
Dingee, M. H., & Co., lubrg. oils, 254 Water, New York.
Dingelstedt & Co., arsenic, 21 State, New York.
Dingfelder, W. S., lbr., sash, door & blind mfr., Hamilton, O
Dingley, E. S., Co., canned goods, West Farmington, Me.
Dings, Chas. W., mill & facty. supplies, Oswego, N. Y.
Dings Magnetic Separator Co., magnetic separators for all poses, 672 Smith, Milwaukee, Wis. *See adv. index at e book.*
Dini, Geo. L., papier mache mfrs., 483 Baltic, Brooklyn, N.
Dinkel, J. S., lumber, Longwood, Fla.
Dinkel & Jewell Co., masons' & bldrs.' matls., Tarrytown, N.
Dinkelberg, Frederick P., architect, 80 E. Jackson blvd., Chi Ill.

Dinkins-Davidson Hardware Co., Atlanta, Ga.
Dinn, P. J., & Co., archl. iron, 278 Dover, Boston, Mass.
Dinnebeil Bros., contractors, 200 5th av, New York.
Dinnie, J. A., Co., contractors & masons' & bldrs.' matls., Grand Forks, N. D.
Di Novo, Frank, contractor, Troy, N. Y.
Dinsmoore, Geo. W., packing box mfrs., Lawrence, Mass.
Dinsmore Mfg. Co., sewing machs. & machy., Salem, Mass.
Dinwiddie Constr. Co., Crocker bldg, San Francisco, Cal.
Dion, Geo. P., architect, Chicopee, Mass.
Diorio, Rocco & Co., sewer contrs., Waterbury, Conn.
Dippold, A. P., architect, 4747 Cottage Grove av, Chicago, Ill.
Dippold, Fred M., stone, St. Marys, Pa.
Direct Advtg. Co., advtg. spec., Erie, Pa.
Direct Line Telephone Co., 450 Broome, New York.
Direct Separator Co., steam separators, Syracuse, N. Y.
Directory Cement, Gypsum & Lime Mfrs., trade publications, 53 W. Jackson blvd, Chicago, Ill.
Dirigo Packing Co., Machias, Me.
Dirks, Henry, lbr. Castlerock, Wash.
Dirksen, R. D., sash, door & blind mfrs., Freeport, Ill.
Di Roma, Tony, landscape architect, 33 Evelyn pl, New York
Dirr, Geo. L., & Son, cornices, 3631 Warsaw av, P. H., Cincinnati, Ohio.
Disappearing Roller Screen Co., 2544 W. Pico, Los Angeles, Cal.
Disborough, Geo., contractor, Connersville, Ind.
Disbrow, M. A., & Co., glass & masons' & bldrs.' matls., Lyons, Ia.
Disbrow Sash & Door Co., Cedar Rapids, Ia.
Disc Grader & Plow Co., 400 N. E. Pierce, Minneapolis, Minn.
Dischert, Geo. C., Carriage & Wagon Co., 915 Washington, St. Louis, Mo.
Disco Elec. Starter Corp., 500 Howard, Detroit, Mich.
Disharoom, C. R., Co., lbr., Salisbury, Md.
Dishaw & Dishaw, machinists & founders, Canton, N. Y.
Disher, Anderson E., lumber, Dexter, Mo.
Dishman, A. T., common brick, Spokane, Wash.
Dispatch Motor Car Co., 1200 av S. E., Minneapolis, Minn.
Display Fountain Mfg. Co., elec. illuminated signs, 187 B'way, New York.
Dissinger Farm Co., machsts. & fndrs., Wrightsville, Pa.
Dissosway-Schad Co., Inc., bariem acetate, calcium oxide & cadium, 830 Humboldt St., Brooklyn, N. Y.
Disston, Henry, & Sons, saw sharpening & metal cutting-off machinery & screw rods, Tacony, Philadelphia, Pa.
Distler, John C., cornices, Mishawaka, Ind.
District of Columbia Paper Mfg. Co., 3255 K, N. W., Washington, D. C.
Ditch, Bowers & Taylor, carriages, Mt. Roy & North, Baltimore, Md.
Ditchitt, Thos. (Est.), roofing slate, Bangor, Pa.
*See adv index at end of book.*
Dithey, Wm. J., architect, 1 Union sq., W., New York.
Ditmars, I. E., architect, 111 5th av, New York.
Dittlinger, H., Roller Mills Co., flour, New Braunfels, Tex.
Dittlinger Lime Co., New Braunfels, Tex.
Dittman, Fred, Hardware Co., cornices & skylights, La Crosse, Wis.
Dittmar, John, & Son, wood handles, 800 E. Pratt, Baltimore, Md.
Dittmar Powder Wks., 102 W. 130th, New York.
Ditto, Chas. H., duck calls, Keithsburg, Ill.
Ditto, E. W., plbrs. supplies, Hagertown, Md.
Ditto, G. M., machinist, Joliet, Ill.
Dittoe, Fahnestock & Ferber, architects, Carew Bldg., Cincinnati, Ohio.
Ditrich, Henry C., architect, Wocester Bldg., Portland, Ore.
Ditrick & Jordan Elec. Co., armature re-winding, 8700 Lorain av, Cleveland, Ohio.
Ditzel & Ward, contractors, Batavia, N. Y.
Dixzler Color Co., 20 Baltimore av, W., Detroit, Mich.
Dixzler Hardwood Co., Bluffton, Ind.
Dixlus, Guy, contractor, 389 Boquet, Pittsburgh, Pa.
Dixekey Bros., machsts. & mill & facty. supplies, Aurora, Ill.
Dixen Mfg. Co., filing cabinets & devices, Elmira, N. Y.
Dixersey Fdry. Co., 1651 Wolfram, Chicago, Ill.
Dixex Chemical Corp., 320 5th av, New York.
Dixine Bros. Co., buffing & polishing wheels, Utica, N. Y.
Dixine, Dwight, & Son, cutlery mfrs., Ellenville, N. Y.
Dixine, Fred D., Co., fishing rods, Utica, N. Y.
Dix Bros., flour mills, Wytheville, Va.
Dix, Chas. B., machsts. & fndrs., Glens Falls, N. Y.
Dix, Chas. H., stone, 52 B'way, New York.
Dix, John C., Son & Co., carriages, Memphis, Tenn.
Dix Mfg. Co., hdwe. mfrs., Eager & Fallsway, Baltimore, Md.
Dix Mason Brick Co., Marion, Ohio.
Dixy, W. V., & H. B. Smilie, architects, 585 Boylston, Boston, Mass.
Dixie Brass & Fdry. Co., castings, models, etc., Birmingham, Ala.
Dixie Brick & Tile Co., Puryear, Tenn.
Dixie Cotton Mills, La Grange, Ga.
Dixie Cotton Oil Co., Montgomery, Ala.
Dixie Cotton Oil Mill, cottonseed meal, Little Rock, Ark.
Dixie Culvert & Metal Co., pipe, dredge & pontoon, Atlanta, Ga.
Dixie Electro Magnet Co., magnetic separators, Memphis, Tenn.
Dixie Fertilizer Co., Dublin, Ga.
Dixie Guano Co., fertilizer mfrs., Suffolk, Va.
Dixie Lime & Cement Corp., Norfolk, Va.
Dixie Logging Tool Co., Chattanooga, Tenn.
Dixie Lbr. Co., Pope's Ferry, Ga.
Dixie Mfg. Co., dust collectors, Russel & B. & O. R. R., Baltimore, Md.
Dixie Mattress Co., Hattiesburg, Miss.
Dixie Mill Supply Co., 901 Tchoupitoulas, New Orleans, La.
Dixie Milling Co., flour, Burlington, N. C.
Dixie Milling Co., flour, High Point, N. C.
Dixie Motor Car Co., 3d & K, Louisville, Ky.
Dixie Packing Co., Atlanta, Ga.
Dixie Portland Cement Co., Chattanooga, Tenn.
Dixie Seal & Stamp Co., stencils, Atlanta, Ga.
Dixie Vehicle Manufacturing Co., Ltd., 721 St. Joseph, New Orleans, La.
Dixon & Ballou, plumbers' supplies—jobbers, 321 Ellicott, Buffalo, N. Y.
Dixon, Chas. E., & Son, trench braces, 3027 Liberty av, Pitts., Pa.
Dixon, Chas. R., Co., machinists, Kingston, N. Y.
Dixon & Dixon, contrs., Martins Ferry, Ohio.
Dixon Glass Co., Los Angeles, Cal.
Dixon, H. L., Co., glass house moulds & machsts. & fndrs., Roslyn rd, Carnegie, Pa.
Dixon, John, & Son, cornices, Racine, Wis.
Dixon, Joseph Crucible Co., graphite products, Jersey City, N. J.
Dixon Lubricating Saddle Co., stirrups & levers, Bristol, R. I.
Dixon Lbr. & Mill Work Co., Weldon, N. C.
Dixon Mfg. Co., machsts. & fndrs., Austin, Tex.
Dixon, Robt. B., & Co., masons' & bldrs.' matls., Easton, Md.
Dixon, Robt. C., architect, 548 Park av, Trenton, N. J. & Weehawken, N. J.
Dixon Springs Milling Co., flour, Dixon Springs, Tenn.
Dixon Valve & Coupling Co., 11th & Race, Philadelphia, Pa.
Dixon, Wm., mill & facty. supplies, watchmakers' & jewelers' tools, etc., 39 John, New York.
Dixon, Wm. F., cotton & wool waste, 102 Leverington, Philadelphia, Pa.
D. & J. Co., machinists, West Lafayette, Ohio.
D. & M. Cord Tire Co., Warren, O.
D. & M. Lbr. C., Summer, Wash.
Djorup, Frank, sanitary flooring, concrete hardeners, 133 Washington, Chicago, Ill.
D. & L. Mach. & Mfg. Co., 1529 E. 49th, Cleveland, Ohio.
Dlouhy, Vincent, Sash & Door Co., 2138 Laflin, Chicago, Ill.
Doak, Albert, contractor, 2138 Arch, Philadelphia, Pa.
Doak Gas Engine Co., Oakland, Cal.
Doan, A. M., contractor, 318 Huron, Toledo, Ohio.
Doan, Israel, & Sons Co., contrs., Aurora, Ill.
Doan, T. E., Bellingham, Wash.
Doane & Bartlett Co., oils, Beaufort, N. C.
Doane, E. E., architect, 48 Corlton pl., Passaic, N. J.
Doane, G. E., mill & facty. supplies, Middleboro, Mass.
Doane, G. M., & Sons, contractors, Santa Maria, Cal.
Doane & Jones Lbr. Co., Elmira, N. Y.
Doane Mfg. Co., file handles, Allston, Mass.
Doane Motor Truck Co., 425 4th, San Francisco, Cal.
Dobbertin, A. C., corn brooms, Rochester, N. Y.
Dobbie Fdry. & Mach. Co., derricks & hoisting machinery, Niagara Falls, N. Y. *See adv. index at end of book.*
Dobbins, C. E., & Co., machinists, 460 N. Halsted, Chicago, Ill
Dobbins Core Drill Co., Inc., 147 W. 42nd, New York.
Dobbins Mfg. Co., gasoline soldering iron, 127 S. 1st, Minneapolis, Minn.
Dobbins, Seward G., architect, Atlantic City, N. J.
Dobbins Soap Mfg. Co., 119 S. 4th, Philadelphia, Pa.
Dobbins, T. A., & Co., flour, Rusk, N. C
Dobbins, W. H., & Co., confetti, 48 N. Front, Philadelphia, Pa.
Dobbs, Jos., contractor, Bernardsville, N. J.
Dobbs, S. B., masons' & bldrs.' matls., 1218 Chestnut, Phila., Pa.
Dobeas, Louis, lumber, Ingalls, Mich.
Dobell, R. H., architect, Corvallis, Ore., & Aberdeen, Wash.
Doble, Abner, auto. bldr., Waltham, Mass.
Doble-Detroit Steam Motor Co., 408 McKerchy, Detroit, Mich.
Doble Motor Co., autos & trucks, Call Bldg., San Francisco, Cal.
Dobson, Frank, htg. contr., 319 E. 53d, New York.
Dobson, J. & J., woolen blankets, plushes, Falls Schuylkill, Philadelphia, Pa.
Dobson Mfg. Co., dairy app. & supplies, Rockford, Ill.
Dobson, R. P. & Co., heating contr., N. Paca & Saratoga, Baltimore, Md.
Dobson, W. H., contractor, Wilkes-Barre, Pa.
Dobson, Wm., spray cans, Canastota, N. Y.
Dock, Wm., & Co., soap, 2144 Colerain av, Cincinnati, Ohio.
Dockham Publishing Co., 6 Beacon, Boston, Mass.
Dockray, H. V., Brass & Iron Co., Zanesville, Ohio.
Dockstader, Otis, & Son, architects, 103 W. Church, Elmira, N. Y.
Dockwiler & Kingsbury Co., ground bone, Indianapolis, Ind.
Dodd, A. W., & Co., glue & fish oils, Gloucester, Mass.
Dodd & Carpenter, brick, Jamestown, Ohio.
Dodd City Oil Mill Co., meal, Dodd City, Tex.
Dodd Co., engng. & surveying instrs., 1936 E. 6th, Cleveland, O.
Dodd & Struthers, lightning rods, Des Moines,, Ia.
Dodd, Thos. J., contractor, Norwich, Conn.
Dodd, W. J., & Wm. Richards, architects, 520 W. 7th, Los Angeles, Cal.
Doddington Co., sash, door & blind mfrs., 451 W. Broad, Columbus, Ohio.

Doddridge Window Glass Co., West Union, W. Va.
Dodds, Alex., Co., machinists, Grand Rapids, Mich.
Dodds, Everett S., Co., architects, Brandeis Theatre Bldg., Omaha, Neb.
Dodds, Geo., & Sons Granite Co., Xenia, Ohio.
Dodds, John A., stone producers, 2929 Ellsworth, Phila., Pa.
Dodds L'br. Co., Omaha, Neb.
Dodge, Albert J., thermometers, Peterboro, N. H.
Dodge, August W., boilers, furnaces, etc., Springfield, Mass.
Dodge & Bliss Co., lbr. mfrs. & shooks, boxes, W. End, Jersey City, N. J.
Dodge Bros., Inc., motor vehicles, Bismarck & Jos., Campau av, Detroit, Mich.
Dodge, C. A., Co., contractors, 166 Devonshire, Boston, Mass.
Dodge, C. A., Co., contractors, Cambridge, Mass.
Dodge, Chas. S., machinists, Lowell, Mass.
Dodge Clothespin Co., wood dishes, Caudersport, Pa.
Dodge-Davis Mfg. Co., woolen flannels, Bristol, N. H.
Dodge-Dickinson Co., mattresses, Bloomington, Ill.
Dodge, Edwin L., htg. contr., 8 Friend, Boston, Mass.
Dodge, E. J., Co., lumber mfrs., 16 California, San Fran., Cal.
Dodge, F. W., trade publication, 119 W. 40th, New York.
Dodge, Geo. E., contr., Stamford, Conn.
Dodge, Haley Co., whle. heavy hrwe., machst., mill, facty., railroad & blacksmith supplies, also carriage woodwork, 218 High, Boston, Mass.
Dodge, H. B., & Co., sash, door & blind mfrs., 332 So. Michigan av, Chicago, Ill.
Dodge, H. C., Inc., turret lathes, 46 Alger, Boston, Mass.
Dodge, J., Bros., machsts. & fndrs., Campau av, Detroit, Mich.
Dodge Lumber Co., Monroe, Wis.
Dodge Lumber & Fuel Co., Rochester, Minn.
Dodge & Morrison, architects, 135 Front, New York.
Dodge & Olcott Co., oils, 87 Fulton, New York.
Dodge, Paul L., architect, Asbury Park, N. J.
Dodge, R. Irving, architect, 405 Lexington av, New York.
Dodge, Robt., glass stainer, 242 W. 14th, New York.
Dodge Sales & Engineering Co., power transmission machy., Mishawaka, Ind.
Dodge Scale Co., 126 11th av, New York.
Dodge Steel Pulley Corp., Oneida, N. Y.
Dodge, S. P., Co., carriages, Manchester, N. H.
Dodge Tool Co., Grinnel, Ia.
Dodgson, L. P., & Son, masons' & bldrs.' matls., McLean, Ill.
Dodson & Card Co., heating contractors, 699 Howard, Detroit, Mich.
Dodson, E., Saw Mill & Lbr. Co., 557 Cleveland av, Columbus, O.
Dodson, Fisher, Brockman Co., harness, 15 N. 3d., Minneapolis, Minn.
Dodson, H. C., Jr., architect, St. Michaels, Md.
Doe, F. A., contractor, Amesbury, Mass.
Doe, Frank P., Lumber Co., 16 California, San Francisco, Cal.
Doe Mountain Lbr. Co., Mountain City, Tenn.
Doe, Walter S., commutator compounds, Kent, Ohio.
Doehler Die-Casting Co., Huntington, Brooklyn, N. Y.
Doehrer, Bernhardt, architect, 15 Fairfield av, Bridgeport, Conn
Doelger & Kirsten, machsts., 507 Cedar, Milwaukee, Wis.
Doeltz, W. F., & Sons, contrs., Plymouth bldg, Minneapolis, Minn.
Doerfinger Artificial Limb Co., 130 Anderson, Pittsburgh, Pa.
Doering, C., & Son, tinning & japanning, 1375 W. Lake, Chicago, Ill.
Doermann-Roehrer Co., mill & mine supplies, 318 E. 3rd, Cincinnati, Ohio.
Doernbecker Mfg. Co., lbr., New Era, Ore.
Doerr Bros., architects, 28 E. Jackson blvd., Chicago, Ill.
Doerr, Burt O., architect, Battle Creek, Mich.
Doerr Glass Co., glassware, Vineland, N. J.
Doerr, J. F., architect, 105 N. Clark, Chicago, Ill.
Doerun Oil Mill Co., Doerun, Ga.
Doerzbach Bros., contractors, Sandusky, Ohio.
Doggett, Stanley, hydraulic lime & clay, minerals, etc., 11 Cliff, New York.
Doherty Bros., iron fndrs., Lowell, Mass.
Doherty, Eugene (Est. of), rubber goods, 110 Kent av, Brooklyn, N. Y.
Doherty, Frank E., contractor, 133 W. Washington, Chicago, Ill.
Doherty, Frank J., cornices & skylights, Lynchburg, Va.
Doherty Hardware Co., Ltd., Baton Rouge, La.
Doherty, Jos., & Bro., contractors, ft. of Hallam, Bridgeport, Conn.
Doherty, Peter J., architect, Leicester, Mass.
Doherty, Philip, Hardware & Supply Co., Latrobe, Pa.
Dohmen, Anton, architect, 68 Wisconsin, Milwaukee, Wis.
Dohn, Fischer & Beyer, sash, door & blind mfrs., Buffalo, N. Y.
Doig, Wm. S. (Est. of), machinist, 54 Franklin, Brooklyn, N. Y.
Dolan, Daniel J., masons' & bldrs.' matls., 1643 Market, San Francisco, Cal.
Dolan, Mrs. Ellen, contractor, Betehl, Conn.
Dolan, F. M., & Sons, architects, Globe bldg, St. Paul, Minn.
Dolan, Jos. M., contractor, 197 Sidney, Boston, Mass.
Dolan, Thos., Heating Co., Oklahoma, Okla.
Dolan, T. & J., stone producers, 316 S. 24th, Philadelphia, Pa.
Dolan, W. J., church decorations, 100 Boylston, Boston, Mass.
Dolan Wrecking Co., Oakland, Cal.
Doland, J. A., & Co., contractors, New London, Conn.

Dolbeer & Carson Lumber Co., Merchants' Exch. Bldg., San Francisco, Cal.
Dolby, S. W., Jr., canned goods, Whitehaven, Md.
Dolby, W. H., canned goods, Whitehaven, Md.
Dold, Jacob, Packing Co., meat, Buffalo, N. Y.
Dold-Walls Co., kitchen utensils, 417 Commerce, Phila., Pa.
Dole, E., & Co., woolen flannels, Campton, N. H.
Dole, Osgood & Co., carriages, Peabody, Mass.
Dole Valve Co., 1923 Carroll av, Chicago, Ill.
Doles, Edwin E., spokes, rims (carriage & wagon wheel), Greensburg, Ind.
Dolese Bros. Co., contractors, stone, 10 S. La Salle, Chicago, Ill.
Dolese & Shepard Co., contractors & masons' & bldrs.' matls, 108 S. La Salle, Chicago, Ill.
Dolezal, Jos., pearl buttons, Long Island City, N. Y.
Dolge, C. B., Co., compounds, disinfectants, etc., Westport, Conn.
Dolge, Ernest, Inc., lbr., Tacoma, Wash.
Dolgeville Felt Shoe Co., Dolgeville, N. Y.
Dolgoff, Jas. L., scrap brass, Bridgeport, Conn.
D'Olier Centrifugal Pump & Machine Co., 1421 Chestnut, Philadelphia, Pa.
Dolinsky Bros., contractors, Cleveland, Ohio.
Doll, Jacob, & Sons, pianos, 100 Southern blvd, New York.
Doll, Wm., founders, Dresden, O.
Dollan, Jos., Contrg. Co., 25 W. 140th, New York.
Dollar, Robert, Co., lumber, 230 California, San Francisco, Cal.
Dollar, W. H., Mfg. Co., killers, fly swatters, Camden, N. J.
Dollard Const. Co., contrs., Syracuse, N. Y.
Dollard, Jas., Co., contractors, Troy, N. Y.
Dollard, M. F., contractor, Albany, N. Y.
Dolliff, L. P. & Co., lbr., 615 Lumber Ex. bldg., Minneapolis, Minn.
Dollinger, John, tubular boilers, Beaumont, Tex.
Dolliver, J. W., architect, 201 Sansome, San Francisco, Cal.
Dollman, Henry, 1207 N. Illinois, Indianapolis, Ind.
Dollman, J. W., cornices & skylights, Glendale, Ohio.
Dolloff, C. W., & Co., contractors, 20 Central, Boston, Mass.
Dolman, Chas., knitted gloves, 48 E. Court, Cincinnati, Ohio.
Dolomite Products Co., stone producers, 1110 Euclid av, Cleveland, Ohio.
Dolph, John C., Co., insulating compounds, 178 Emmett, Newark, N. J.
Dolph Mfg. Corp., impregnating compounds, 95 Liberty, New York.
Dolphin Cutlery Co., 3 W. 29th, New York.
Dolphin Jute Mills, cordage & twine mfrs., Paterson, N. J.
Dolphin White Lead & Color Wks., paint mfrs., Plainville, Ohio.
Doman, H. C., Co., marine engines, 5th, Oshkosh, Wis.
Dombrowski, F., founders, Neshkoro, Wis.
Dome, Geo., contractors, Middletown, Ohio.
Domestic Appliance Co., vacuum cleaners, Rochester, N. Y.
Domestic Chemical Corp., copper & zinc sulphate, Maspeth Gardner avs, Brooklyn, N. Y.
Domestic Engine & Pump Co., Shippensburg, Pa.
Domestic Engng., trade publications, 37 W. Van Buren, Chicago, Ill.
Domestic Engineering Co., see Delco Light Co. (successors)
Domestic Laundry Equipment Corp., laundry machinery mfr, 224 W. 26th, New York.
Domestic Nov. Co., 217 High, Newark, N. J.
Domestic Plating Wks. Co., 1121 Washington blvd., Chicago, Ill.
Domestic Sewing Mach. Co., 19 W. Jackson blvd., Chicago, Ill.
Domestic Soap Mfg. Co., scouring powders, 113 6th, Long Island City, N. Y.
Domestic Talking Machine Co., 33d & Arch, Philadelphia, Pa.
Domestic Tungsten Lamp Co., 418-420 Tenth, West New York, N. J.
Domestic Utilities Co., dish washing machines, Newark, N. J.
Domestic Vacuum Cleaner Co., Torrington, Conn.
Domhoff & Joyce Co., pig iron dlrs., 4th & Elm, Cincinnati, O.
Dominick & Haff, silver nov., 545 W. 23d, New York.
Dominick, William F., architect, 3 W. 29th, New York.
Dominion Asbestos & Rubber Corp., packings, Tribune Bldg., 154 Nassau, New York. *See adv index at end of book*
Dominion Iron & Steel Co., Ltd., rolling mills, 15 John, New York.
Dominion Metal Products Co., road culverts & cornices & skylights, shingles, etc., Roanoke, Va.
Dommermuth, M., contractor, Avoca, Pa.
Domsohn, C. J., & Co., contractors, Coatesville, Pa.
Donaghmore Iron & Steel Co., scrap iron, Lebanon, Pa.
Donahoe Bros., contractors, Middletown, Conn.
Donahoe & Nolan, brick, Trenton, N. J.
Donahue & Co., bldg. contrs., 318 Bradford av, Milwaukee, Wis.
Donahue, Edw., contractor, Janesville, Wis.
Donahue Hardware Co., Sandusky, Ohio.
Donahoo, J. D., contractors, Jacksonville, Fla.
Donahoo, J. F., Co., machy. dlrs., Birmingham, Ala.
Donahue, J. E., Lumber Co., South Bend, Ind.
Donahue, J., & Son, bldg. contrs., 318 Bradford, Milwaukee, Wis.
Donahue, J. W., architect, 476 Main, Springfield, Mass.
Donahue, Robt., Iron & Hardware Co., Burlington, Ia.
Donahue-Selover Const. Co., Globe Bldg., St. Paul, Minn.
Donahue, W. B., contractor, Portland, Ore.
Donald, Hy. R., Sales Co., fndry. lacings, etc., Milwaukee, Wis.
Donald, James, architect, 17 Battery pl, New York.

Donald, Wm. C., & Co., lamp black mfrs., printing inks, Andover, Mass.
Donalds Oil Mill Co., meal, Donalds, S. C.
Donaldson Art Sign Co., pennant mfrs., 21st & L. N. R. R., Cov., Cincinnati, Ohio.
Donaldson Bros., agricultural implements, Mt. Clemens, Mich.
Donaldson Concrete Constr. Co., Birmingham, Ala.
Donaldson & Fisher Co., machsts., 1654 Besley Ct, Chicago, Ill.
Donaldson Iron Co., machsts. & fndrs., Emaus, Pa.
Donaldson, J. S., contractor, Atlanta, Ga.
Donaldson & Meier, architects, Penobscot Bldg., Detroit, Mich.
Donaldson & Pearson, contractors, Atlanta, Ga.
Donaldson, W. W., contractor, Portsmouth, Ohio.
Donaldsonville Oil Mill, Donaldsonville, Ga.
Donchain, Sam'l, Rug Co., fasteners, Hartford, Conn.
Donegan, D., Co., contractors, 5904 14th av, Brooklyn, N. Y.
Donegan, J. W., architect, 39 Ann, New York.
Donegan & Swift, mill & facty. supplies, 6 Murray, New York.
Donegan, Thos. F., contractor, Trenton, N. J.
Dongan Elec. Mfg. Co., transformers, 741 Franklin, Detroit, Mich.
Donges, John, & Co., carriage bows, hubs, rims, shafts & spokes Hamilton, Ohio.
Donigan & Nielson, fifth wheel, 743 3d av, Brooklyn, New York.
Donigan Todd Iron Co., mill & facty. supplies, Louisville, Ky.
Doniphan Lbr. Co., Kansas City, Mo.
Donk Bros. Coal & Coke Co., 314 N. 4th, St. Louis, Mo.
Donker & Williams Co., advtg. nov. & spec., 1322 Wabash av, Chicago, Ill.
Donley Brick Co., Washington, Pa.
Donley Bros. Co., concrete inserts, 3625 E. 74th, Ceveland, Ohio
*See adv index at end of book*
Donlon, Thos., Co., contractors, 294 Butler, Brooklyn, N. Y.
Donn & Deming, architects, 808 17th, N. W., Washington, D. C
Donn, J. M., architect, 1742 M, N. W., Washington, D. C.
Donnally, A. H., machst. & fndr., Fairmont, W. Va.
Donnan, W. S., Hardware Co., McDonough, Richmond, Va.
Donnell, C. E., & Co., printing inks., 5328 Savoy ct, St. Louis, Mo.
Donnell, Harry E., architect, 37 E. 28th, New York.
Donnell, W. J., Lumber Co., Perth Amboy, N. J.
Donnellan, James J., architect, Chronicle bldg, San Francisco, Cal.
Donnellan & McKenzie, stone producers, Tacoma, Wash.
Donnelley, Wm. T., naval architect, 17 Battery pl, New York.
Donnelly Blanthorn & Co., machsts., 526 W. 28th, New York.
Donnelly Brick Co., Berlin, Conn.
Donnelly, D. B., steam fitters' supplies, Fairfield, Me.
Donnelly, D. St. C., architect, New London, Conn.
Donnelly, Henry E., contr., Morrisville, Ill.
Donnelly, John, holders, Branford, Conn.
Donnelly, J. R., Co., plate & window glass, 54 Classon av, Brooklyn, N. Y.
Donnelly-Kelly Glass Co., furn. tops, Holland, Mich.
Donner Steel Co., 475 Abbott rd, Buffalo, N. Y.
Donoghue James, soldering presses, Cleveland, O.
Donnelly Machine Co., Brockton, Mass.
Donohue-Selover Construction Co., 699 Virginia av, St. Paul, Minn.
Donohue's, P. J., Sons, tubular boilers, 108 Wallabout, Brooklyn N. Y.
Donovan & Crandall, architects, 600 Lexington av, New York.
Donovan, D. A., pipe hangers, Auburn, N. Y.
Donovan, D. F., cornices & skylights, 505 Newark av, Jersey City, N. J.
Donovan Iron & Supply Co., 812 N. Main, St. Louis, Mo.
Donovan, John E., contractor, 2205 Richmond ter, Port Richmond, N. Y.
Donovan, John F., contractor, West New Brighton, N. Y.
Donovan, John Jos., architect, 414-13th, Oakland, Cal.
Donovan Lumber Co., Aberdeen, Wash.
Donovan, Michael J., architect, Vicksburg, Miss.
Donovan, R. J., Co., of N. Y., Inc., valves, pipe fittings, etc., mill & facty. supplies, 217 Pearl, New York.
Donovan, Walter A., architect, Meriden, Conn.
Donovan, Wm., contractor, Austin, Minn.
Donovan, Wm. J., cornices, 1506 Ogden, Philadelphia, Pa.
Donovan Wire & Iron Co., Chicago & W. & L. E. Ry, Toledo, O
Doody Vapor Heating Co., Inc., The, heating appliances, 46 Cornhill, Boston, Mass.
Dooley Bros. mfrs. of tools, jobbers, miners supplies, 1201 S. Washington, Peoria, Ill.
Dooley, C. L., Inc., contractor, 257 Adelphi, Brooklyn, N. Y.
Dooley Hardware Co., Rockville, Ind.
Dooley, Jas. J., & Sons, masons' & bldrs.' matls., Cohoes, N. Y
Dooley, Killian, Co., Inc., contractors' supplies, 26 Cortlandt, New York.
Dooley Lightning Rod Co., Topeka, Kan.
Dooley & Robinson Bros., fertilizer mfrs., Cardiff, Md.
Doolittle, Hy. N., packing box mfr., 31 Bruen, Newark, N. J.
Doolittle, L. G., machinist, Binghamton, N. Y.
Dooly, Jno. E., Hdwe. Co., 5107 Delmar, St. Louis, Mo.
Dopp, H. W., Co., vacuum pans, Buffalo, N. Y.
Dopp, J. W., & Co., dealers, equipment, tools & machinery, 18 W. Columbia bldg., Detroit, Mich.
Doppes, J. B., Sons Lbr. Co., 1250 Gest, Cincinnati, Ohio.
Doppler, Jos., contractors, Indiana Harbor, Ind.

Doran Bros., machsts. & fndrs., Danbury, Conn.
Doran & Co., ties, poles, etc., Bell Blk., Cincinnati, Ohio.
Doran, Jas. W., architect, Sidney, Ohio.
Doran Mfg. Co., gasolene pumps, etc., 612-620 W. Lake, Chicago, Ill.
Doran, Jno. A., cornices, Chester, Pa.
Doran, M. M., bldg. contr., Madison, Wis.
Doran Bros., brass fndrs., Seattle, Wash.
Dorchester Brass & Aluminum Foundry, Jamaica Plain, Boston, Mass.
Dorchester & Hughey, lumber mfrs., Bellevue, Ia.
Dorchester Lbr. Co., Badham, S. C.
Dorchester Pottery Wks., bean pots, 9 Preston, Boston, Mass.
Dore, A. E., Jr., architect, 438 14th, West New York, N. J.
Dorchester & Rose, mill & facty. supplies, Geneva, N. Y.
Doremus, J. T., Co., whol. hdwe., 66 Washington, Paterson, N. J
Doremus Machine Co., 302 13th, N. W., Washington, D. C.
Dorer, C. L., Fdry. Co., Bellaire, Ohio.
Dorer, John, contractor, Irvington, N. J.
Dorflinger, C., & Sons, glass tumblers & cut glassware, White Mills, Pa.
Dorfman & Sons, second hand bags, 269 South, New York.
Dorfmann Bros., thermometers, Corona, N. Y.
Dorhoffer, F. J., Co., cornices, Butte, Mont.
Dorian Demountable Rim Co., 223 W. 53rd, New York.
Doric Art Glass Co., shades, Minneapolis, Minn.
Doriot, H., architect, Bristol, Tenn.
Dorman & Co., mill & facty. supplies, Freeport, Ill.
Dorman, E. E., machsts. & fndrs., Cookeville, Tenn.
Dorman, H. W., cornices, 243 Congress av, New Haven, Conn.
Dorman, Jas., stone, Lawrence, Mass.
Dorman, J. F. W., Co., rubber stamp makers' supplies, mfrs., 526 N. Calvert, Baltimore, Md.
Dorman, Jno. H., machinist, 1 Bethune, New York.
Dorman & Smyth Hdwe. Co., cornices, Salisbury, Md.
Dorn & Marcellus Co., valve mfrs., Mascher & York, Phila., Pa.
Dorn, M. G. & J. J., lbr, McCormick, S. C.
Dornbaum Knitting Co., sweaters, etc., 3136 Lincoln av, Chicago, Ill.
Dornette, J., & Bro. Co., desk mfrs., 1250 Harrison av, Cincinnati, Ohio.
Dornin, T. B., Adams Co., cornices & skylights, Lynchburg, Va.
Doron Bros. Elec. Co., Hamilton, Ohio.
Dorpfeld, Fred'k W., Co., files, 24 Kipp, Newark, N. J.
Dorr, C. M., Co., htg. contrs., Hoosick Falls, N. Y.
Dorr Co., cyanide plants & classifiers, slime, mining agitators, metallurgical engineers, Denver, Colo.
Dorr & Dorr, architects, Lumber Exchange, Minneapolis, Minn.
Dorr, Wallie, Co., billiard tables, toys, etc., 35 Murray, New York.
Dorrance, Chas. J., grate bar mfrs., 5247 Ravenswood av, Chicago, Ill.
Dorries & Co., hdwe. mfrs., saddlery, Buffalo, N. Y
Dorries, F., & Sons, machst. & fdrs. Buffalo, N. Y.
Dorris, E. A., & Sons, flour mills, Hendersonville, Tenn.
Dorris Lbr. & Box Co., Dorris, Cal.
Dorris Motor Car Co., 4100 Laclede av, St. Louis, Mo.
Dorsch, John, & Sons, agricultural implements, 209 Wells, Milwaukee, Wis.
Dorschel, Krochne Lumber Co., Chilton, Wis.
Dorsel Co., flour mills, Newport, Ky.
Dorsett, T. W., Co., cornices & skylights, Hoboken, N. J.
Dorsey, Wm. C., contractor, Terre Haute, Ind.
Dorsey, Wm. C., sash, door & blind mfrs., Highland av & Phila. rd, Baltimore, Md.
Dort Motor Car Co., Flint, Mich.
Dorward, D., Jr., engr. consulting, San Francisco, Cal.
Dosch Mfg. Co., pattern makers, lathes, Bridgeport, Conn.
Dossert & Co., wire connectors, terminals, etc., 242 W. 41st, New York.
Doster, S. J., trunk mfr., Phoenix, Ariz.
Doster & Hamilton, lbr., Fordyce, Ark.
Doten-Dunton Desk Co., 25 Arch, Boston, Mass.
Doten, S. H. & A. R., carved mouldings, Portland, Me.
Dothan Foundry & Machine Co., Dothan, Ala.
Dothan Guano Co., fertilizer mfrs., Dothan, Ala.
Doty, A. M. & F. T., masons' & bldrs.' matls., Leavittsburg, Ohio.
Doty & Doty, masons' & bldrs.' matls., Grand Ledge, Mich.
Doty Lumber & Shingle Co., Doty, Wash.
Doty Mfg. Co., vacuum cleaners, Dayton, Ohio.
Doty, O. M., contractor, 1701 9th, Seattle, Wash.
Doub, J. W., & Bros., flour, East Bend, N. C.
Double Blast Mfg. Co., gasoline blast furnaces, firepots, North Chicago, Ill.
Double Drive Truck Co., 4826 W. Kinzie, Chicago, Ill.
Double Eccentric Piston Ring Corp., 1083 Tower Grove, St. Louis, Mo.
Double Fabric Tire Co., Auburn, Ind.
Double Service Packing Co., 244 Chestnut, Philadelphia, Pa.
Double Shoal Cotton Mill, Double Shoal, N. C.
Double Truss Cornice Brake Co., machinery, Buffalo, N. Y.
Doubleday-Hill Elec. Co., 719 Liberty, Pittsburgh, Pa.
Doucette Bros., granite, Montpelier, Vt.
Doud Lighting Co., 172 N. Sangamon, Chicago, Ill.
Doud-MacFarlane Machy. Co., mill & facty. supplies, Tacoma, Wash.
Doud Sons & Co., lbr., Winona, Minn.
Douden, A., Planing Mill Co., sash, door & blind, Millersburg, Pa.

Douds, Frank C., & Co., machsts. & ejectors, jet pumps, syphons, etc., New Castle, Pa.
Dougan, J. M., Co., contractors, Portland, Ore.
Dougherty, Andrew, playing cards, 432 4th av, New York.
Dougherty Bros. Tent & Awning Co., 116 S. 4th, St. Louis, Mo.
Dougherty, Cornelius, masons' & bldrs.' matls., 1207 Passyunk av, Philadelphia, Pa.
Dougherty, Edw., brick, 5th & Wyoming av, Philadelphia, Pa.
Doughtery, Floyd E., architect, 35 N. Dearborn, Chicago, Ill.
Dougherty, H. D., & Co., hospital furniture, 17th & Indiana, Philadelphia, Pa.
Dougherty, J. M., contractor, Ottawa, Ill.
Dougherty, J. P., contractor, Globe Bldg., Minneapolis, Minn.
Dougherty, J. T., surgical instruments, 409 W. 59th, New York.
Dougherty, M. J., Co., pipe bends, flanging & piping, high pressure, Phila., Pa.
Dougherty & Moss Lumber Co., St. Joseph, Mo.
Dougherty, W. F., & Sons, cooking apparatus, 925 Arch, Philadelphia, Pa.
Dougherty, W. R., contractor, 1608 Sansom, Philadelphia, Pa.
Doughtery & Gardner, architects, Stahlman bldg, Nashville, Tenn.
Doughten, H. W., agricultural implements, Moorestown, N. J.
Doughty, D. J., sashes, doors & blinds, Farmington, Mo.
Douglas, A. R., architect, Magee bldg, Pittsburgh, Pa.
Douglas Bros., machsts. & fndrs., Aberdeen, Wash.
Douglas Co., oils, starch, Cedar Rapids, Ia.
Douglas Cut Stone Co., 2131 S. Troy, Chicago, Ill.
Douglas Fir L'br. Co., ties, Portland, Ore.
Douglas Foundry & Machine Works, Douglas, Ga.
Douglas, Geo. B., steel merchants, agents, etc., 29 B'way, New York.
Douglas, H. R., Inc., contractor, New London, Conn.
Douglas & Hartman, architects, Timken Bldg., San Diego, Cal.
Douglas, John, Co., plumbers' supplies, etc., Carthage, Cincinnati, O.
Douglas & Lomanson Co., carriage hdwe. mfrs., 642 Lincoln, Detroit, Mich.
Douglas Lumber Co., Douglas, Ariz.
Douglas Mach. Co., Luverne, Ala.
Douglas, Nathan, architect, 307 Harvard, Boston, Mass.
Douglas Motors Corp., Omaha, Neb.
Douglas Oil & Fertilizer Co., Douglas, Ga.
Douglas, Robt. D., tex. machy., supplies, paper cop tubes, Fall River, Mass.
Douglas & Rudd Mfg. Co., automobile accessories, Bronson, Mich.
Douglas, W. & B., pumps, garden engines, fire hydrants, etc., mfrs., & machsts. & fndrs., Middletown, Conn.
Douglas, Wm., & Co., contractors, 109 Waterman, Providence, R. I.
Douglas-Whisler Brick Co., Beaver Falls, Pa.
Douglass, A. C., contractor, Niagara Falls, N. Y.
Douglass, D. Stuart, architect, 100 State, Albany, N. Y.
Douglass, Edwin D., packing box mfr., 443 N. 5th, Phila., Pa.
Douglass, J. E., steam fitters' supplies, 180 N. Dearborn, Chicago, Ill.
Douglass, J. E., & Son, flour mills, Aldie, Va.
Douglass, L. C., & Co., masons' & bldrs.' matls., Jefferson, Ohio.
Douglass, Thos. J., & Co., heating contrs., 441 N. Dearborn, Chicago, Ill.
Douglasville Roller Mill, flour, Douglasville, Ga.
Doullet & Williams, Inc., Hibernia Bldg., New Orleans, La.
Doup, L. G., Co., mattresses, Omaha, Neb.
Douse, William, contractor, 86 Fuller, Boston, Mass.
Dove, Wm. G., bldg. contrs., Geneva, N. Y.
Dover Boiler Wks., machsts. & boilers, tanks, etc., 50 Church, New York. *See adv. index at end of book.*
Dover Fire Brick Co., Cuyahoga Bldg., Cleveland, Ohio.
Dover, Geo. W., Inc., jigs, fixtures & special mach. 1012 Eddy, Providence, R. I.
Dover Iron Co., blast furnaces, Bear Springs, Tenn.
Dover L'br. Co., Dover, Idaho.
Dover Lumber Co., Dover, N. J.
Dover Lbr. Co., Dover, Ohio.
Dover Mfg. Co., machsts. & fndrs., Dover, Ohio.
Dover Milling Co., flour, Dover, Okla.
Dover Packing Co., canned goods, Dover, Ky.
Dover Pearl Button Co., Dover, Ky.
Dover Stamping & Mfg. Co., Cambridge, Mass.
Do Ville Lake Sand & Gravel Co., Toledo, Ohio.
Dow Bos. & Horne Co., canned goods, East Dover, Me.
Dow Chemical Co., chemicals, Midland, Mich.
Dow, J., architect, Summit, N. J.
Dow, J. C., Co., fertilizer mfrs., 148 State, Boston, Mass.
Dow, J. K., architect, Paulsen Bldg., Spokane, Wash.
Dow, Jas. M., machinist, Kenton, Ohio.
Dow, John K., architect, 1705 10th av, Spokane, Wash.
Dow, L .B., mill & facty. supplies, 79 Milk, Boston, Mass.
Dow, Lewis A., architect, Melrose, Mass.
Dow Mfg. Co., spark timers & machsts. & fndrs., Braintree, Mass.
Dow Pump Works, Diesel engines & pumps, Alameda, Cal.
Dow & Smith, chemical engineers, 133 E. 23rd, New York.
Dow, William H., Mfg. Co., sash, door & blind, Waukegan, Ill.
Dow Wire & Iron Works, Louisville, Ky.
Dowagiac Drill Co., Dowagiac, Mich.
Dowd, R. J., Knife Works, Beloit, Wis.
Dowdall, Chas. E., machinist, 152 W. B'way, New York.
Dowden Mfg. Co., Ltd., agricultural implements, Prairie City,
Dowell, H., machinist, Meadville, Pa.
Dowelley, Geo. B., lbr., Alexander, Me.
Dowler, Chas. L., hdwe. mfr., 108 N. 3d, Philadelphia, Pa.
Dowler, Press C., architect, Arrott Bldg., Pittsburgh, Pa.
Dowling & Bottomley Co., contractors, 119 Broad, Bridgepo Conn.
Dowling, J. F., & Co., contractors, Russ Bldg., San Francisco, C
Dowling & Rutherford, contractors, 128 N. La Salle, Chicago,
Dowling-Schultz Hardware Co., Danville, Ill.
Dowling-Shands Lbr. Co., Green Cove Springs, Fla.
Dowman-Dozier Mfg. Co., sheet metal gds., etc., Atlanta, Ga.
Down Tool Wks., twist drills, Fleetwood, Pa.
Downer, S. W., sand, Downer, N. J.
Downers Lbr. Yard, 1011 Whitesboro, Utica, N. Y.
Downes & Co., carbon paper, etc., 63 Wall, New York.
Downes, John E., contractor, New Britain, Conn.
Downey, Alois H., architect, 111 S. Franklin, Mobile, Ala.
Downey Heating & Supply Co., 615 Clybourn, Milwaukee, Wis.
Downey & Howland, mill & facty. supplies, Fall River, Mass.
Downey, John, contractor, 260 Natoma, San Francisco, Cal.
Downey, Jno. I., contractor, 410 W. 34th, New York.
Downey, Jos., contractor, 30 N. La Salle, Chicago, Ill.
Downey & McDermott, stone producers, Homewood av & Mt. Ve non, Pittsburgh, Pa.
Downey Shipbuilding Corp., New Brighton, N. Y.
Downey, T. F., Boiler Wks., grate bar mfrs., 323 W. Austin Chicago, Ill. *See adv index at end of book*
Downey, W. C., & Co., bale ties, Springfield, Ohio.
Downey, Wallace, naval architect, 5 Nassau, New York.
Downey, Wm. H., htg. contr., 52 William, New York.
Downham, John A., & Son, canned goods, Wyoming, Del.
Downing Grease Co., Boston, Mass.
Downing, Henry C., architect, Worcester Bldg., Portland, Ore.
Downing, J. E., contractor, Newport News, Va.
Downing & Lawrence, dry docks, ft. Court, Brooklyn, N. Y.
Downing, R. F., & Co., shellac, bronze powder, 45 Pearl, Ne York.
Downing-Smith Co., armatures & machsts., 430 S. Green, C cago, Ill.
Downing, T. D., machinist, Vermilion, Ill.
Downington Iron Works, tanks, stacks, etc., mfrs., East Dow ington, Pa.
Downingtown Mfg. Co., machsts. & fndrs., East Downingtow Pa.
Downingtown Paper Box Co., (folding paper box), East Dow ingtown, Pa.
Downman, R. H., lumber, Hibernia pl, New Orleans, La.
Downs, B. J., brass composition founders, Everett, Mass.
Downs, Frank A., Constr. Co., Canton, Ohio.
Downs & Slater, founders, Wharton, N. J.
Downs, W. A., machinist & founder, Montour, Ia.
Downs, W. H., heating contractor, 337 W. 38th, New York.
Downward, Alfred, contractor, Wilmington, Del.
Downward, Jas. G., Co., fertilizer mfrs., Coatesville, Pa.
Dowst Bros. Co., metal nov. & spec., 124 N. Ann, Chicago, Ill.
Doxey, N. D., welding compounds, Elmira, N. Y.
Doyen, Philip H., Shipbldg. Co., 40 Cottage South, So Portland, Me.
Doyle, A. E., architect, Worcester bldg, Portland, Or Seattle Nat. Bank bldg, Seattle, Wash.
Doyle & Co., contractors, 1519 Sansom, Philadelphia, Pa.
Doyle-Dacosta Mfg. Co., wire, insulated & solenoids, Easton,
Doyle & Devereaux, machinists, Industrial Bldg., Syracuse, N.
Doyle & Downey, boot counters, Newburyport, Mass.
Doyle, Frank J., cornices, Johnstown, Pa.
Doyle, Geo., Corp., stone producers, workers & dealers, 103 P av, New York.
Doyle, J. & M., contractors, Erie, Pa.
Doyle, Jas. B., wholesale hardware, Scranton, Pa.
Doyle, John, contractor, New Rochelle, N. Y.
Doyle, John T., Co., canned goods, New Haven, Conn.
Doyle & Murphy Co., contractors, Willimantic, Conn.
Doyle Roller Mills, flour, Doyle, Tenn.
Doyle, Thomas, architect, Tarrytown, N. Y.
Doyle, Thos. F., cornices, Muncie, Ind.
Doyle, W. A., airplane propellers, Trenton, N. J.
Doyle, Wm. J., machinist & founder, Rome, N. Y.
Doylestown Agricultural Co., Doylestown, Pa.
Doylestown Aluminum Ware Co., Doylestown, Ohio.
Dozier & Gay Paint Co., Jacksonville, Fla.
Dozier, Miss H. C., architect, Jacksonville, Fla.
Drach, Gustave W., architect, Union Trust Bldg., Cincinnati,
Drackett, P. W., & Sons Co., lye, lime, etc., 5020 Spring Gr av, Cincinnati, Ohio.
Draft Regulator Co., Grosvenor Bldg., Providence, R. I.
Dragon Mfg. Co., leather packings, Marietta, O.
Draher, John, machinist, Waterbury, Conn.
Drake Acetylene Burner & Supply Co., 1913 Mission, San Fr cisco, Cal.
Drake, A. W., Drilling Co., Hazelton, Pa.
Drake, A. W., Mfg. Co., fly killers, Hazelton, Pa.
Drake, B. M., architect, Reliance Bldg., Kansas City, Mo.
Drake, Bostedo Co., masons' & bldrs.' matls., Netcong, N. J.
Drake-Brannum Constr. Co., Fort Worth, Tex.
Drake Bros., l'br., Barnstead, N. H.
Drake & Co., chemicals, 904 Trks. Hd. Bldg., Providence, R.

rake Elec. Works, vibrators, 19 S. Wells, Chicago, Ill.
rake, H. E., contractor, 180 Jessie, San Francisco, Cal.
rake, H. R., & Sons., Inc., paper boxes, Palmyra, N. Y.
rake Hardware Co., Burlington, Ia.
rake Hdwe. Co., machsts. & fndrs. & hand vacuum cleaners, Friendship, N. Y.
rake Lock-Nut Co., lock nuts & washers, 10th & Folsom, San Francisco, Cal.
rake Lbr. Co., Princeton, Fla.
rake Mfg. Co., cigar lighters, 221 Grand, Milwaukee, Wis.
rake Marble & Tile Co., 58 Plato av, St. Paul, Minn.
rake-Merritt Casket Co., Constantine, Mich.
rake Non-Clinking Furnace Block Co., 5 Beekman, New York.
rake, P. A., machinist, Eau Claire, Wis.
rake, P., & Sons, contractors, Marion, Ohio.
rake Process Machy. Co., automatic machy. & pulp containers, 2344 E 105th, Cleveland, Ohio.
rake Realty Construction Co., Omaha, Neb.
rake, Thos., Lumber Co., Zanesville, Ohio.
rake-Tucker Hdwe. Co., cornices, Rockford, Ill.
rake, W. H., Co., machsts. & fndrs., 36 Clinton, Newark, N. J.
rake & Wiers Co., monkey wrenches, Blackstone bldg., Cleveland, Ohio.
rake-Williams-Mount Co., steel plate works, banks, etc., Omaha, Neb.
rakenfeld, B. F., & Co., chemicals, colors & oxides & bronze powder & liquids, 50 Murray, New York.
rane Foundry & Supply Co., Clarksville, Tenn.
apeau, Wm., contractor, Lowell, Mass.
raper Bros. Co., felts, boots, sweaters, etc., Canton, Mass.
raper Canneries Co., Salt Lake City, Utah.
raper Canning Co., Milton, Del.
raper & Co., sash, door & blind, Lancaster, Pa.
aper Corporation, textile machinery mfrs., Hopedale, Mass.
raper, Davis, Co., fertilizer mfrs., Milford, Del.
aper, E. S., landscape architect, 507 5th av, New York.
raper, G. H., canned goods, Milford, Del.
aper & Hall Co., universal grinders, mfg., Middletown, Conn.
raper, Hy. W., pkg. box mfrs., Albany, N. Y.
aper & Hirsch, canned goods, Milford, Del.
aper, James W., contractor, Camden, N. J.
aper, J. O., Co., soap, cotton softeners, Pawtucket, R. I.
aper, Luther O., Shade Co., adjustable shades, Spiceland, Ind.
aper Mfg. Co., machsts. & fndrs., Port Huron, Mich.
aper Mfg. Co., barometers, anemometers, thermometers, etc., 152 Front, New York.
aper Mfg. Co., steel barrels, 3603 E. 82d, Cleveland, Ohio.
aper, Maynard, Co., bags, sporting & athletic goods mfrs., Plymouth, N. H.
aper & Slaughter, canned goods, Denton, Md.
aper & Snape, wholesale hdwe., 16 N. Market, Chicago, Ill.
aper, W. H., & Sons, cordage & twine mfrs., Troy, N. Y.
apery Hdwe. Mfg. Co., 87 35th, Brooklyn, N. Y.
aver, E. R., machsts., Richmond, Ind.
avo Co., steam superheaters, 1195 13th, Milwaukee, Wis.
avo Contracting Co., diamond bk. bldg., Pittsburgh, Pa.
avo-Doyle Co., machy. dlrs., Diamond Bk. Bldg., Pittsburgh, Pa.
adnought Flooring Co., 154 W. 18th, New York.
adnaught Tire & Rubber Co., automobile tire mfrs., Eager & 5th, Baltimore, Md.
dge, A., Ruling Pen Co., 75 Gold, New York.
er, Henry A., glaziers' points, 714 Chestnut, Phila., Pa.
ger, J. F., architect, Oshkosh, Wis.
gge, Groover Lbr. Co., Grand Rapids, Mich.
her, Churchman, Paul & Ford, architects, 1424 Walnut, Phila., Pa.
her, Ernest A., & Son, automatic cellar drainers, 42 Walnut, Newark, N. J.
hmann Paving Co., 2622 Parrish, Philadelphia, Pa.
hmer, H. G., contractor, Corning, N. Y.
ier, E., & Son, contractors, Kansas City, Kans.
ifus, Chas. Co., scrap iron & steel, Oliver Bldg., Pittsburgh, Pa.
ifus, Emanuel, iron & steel scrap, Commercial Trust Bldg., Philadelphia, Pa.
n, Thos., & Son Co., life boats & preservers, Wilmington, Del.
ls & Krump Mfg. Co., cornice brakes, & sheet metal workers' machy., 2911 S. Halsted, Chicago, Ill.
*See adv index at end of book*
iske, Wm. D., sash, door & blind mfrs., 3036 N. Chicago av, Chicago, Ill.
l Novelty Mfg. Co., shoe ornaments, 100 5th av, New York.
ndell Electrical & Mfg. Co., 169 Erie, San Francisco, Cal.
nnan Hdwe. Co., Syracuse, N. Y.
nthe-Hamilton Canning Co., Hamilton, Mich.
den Spoke Co., Dresden, Tenn.
den Woolen Mills, Dresden, O.
en, Jos., architect, Prairie Du Sac, Wis.
es Machine Tool Co., 227 W. McMicken, Cincinnati, O.
ner, S., & Son, bags, traveling bags, 500 Peoria, Chicago, Ill.
ner & Wein, traveling bags, 1417 W. Austin av, Chicago, Ill.
s, Geo., architect, 116 W. 39th, New York.
sel Ry. Lamp Wks., 3860 Pk. av, New York.
sendorfer, Andrew, machsts. & fndrs., Fountain City, Wis.
ser, S. R., Mfg. Co., machsts. & fndrs., Bradford, Pa.

Drew, C., & Co., masons' & brick layers' tools, Kingston, Mass.
Drew Carrier Co., agricultural implements, Waterloo, Wis.
Drew-Daniels Granite Co., Waterbury, Vt.
Drew, E. F., & Co., oils, 120 Milk, Boston, Mass.
Drew Electric & Mfg. Co., 1016 E. Michigan, Indianapolis, Ind.
Drew, Fred, Co., contractor, Woodward Bldg., Washington, D. C.
Drew, George S., architect, 42 Warren av, Grantwood, N. J.
Drew, M. R., architect, Greenfield, Mass.
Drew, Miller & Co., turpentine, Kissimmee, Fla.
Drew Oil Mills, Monticello, Ark.
Drewry Bros., toys, North Weare, N. H.
Drexel Institute of Art, Science & Industry, engng. school & coll., Chestnut & S. 32d, Philadelphia, Pa.
Drexel Motor Car Corp., 76th & Wallace, Chicago, Ill.
Dreyer, G. H., & Son, archl. iron, Cleveland, Ohio.
Dreyer, H. D., & Co., packing box mfrs., Aliceanna & Spring, Baltimore, Md.
Dreyer, H. G., & Son Co., racks, Cleveland, Ohio.
Dreyer, Jno. G., architect, 75 Oakland, Brooklyn, N. Y.
Dreyfus Bros., contractors, 324 California, San Francisco, Cal.
Dreyfus, F. J., architect, Title Guarantee bldg, New Orleans, La.
Driesbach, F. C., & Son, masons' & bldrs.' matls., White Pigeon, Mich.
Driesbach's, C., Sons, wholesale hdwe. & masons' & bldrs.' matls., Lewisburg, Pa.
Driesler, Benj., architect, 153 Remsen, Brooklyn, N. Y.
Driggs, C. V., Inc., plumbers' supplies, 160 E. 56th, New York.
Driggs Ordnance Mfg. Corpn., autom., marine, etc., engines, lathes, etc., New Haven, Conn.
Driggs-Seabury Ordnance Co., forgings & pressed steel, Sharon, Pa.
Driscoll Bros. & Co., contractors, & masons' & bldrs.' supplies, Ithaca, N. Y.
Driscoll, Chas. F., architect, Pasadena, Cal.
Driscoll, Dennis, contractor, Brookline, Mass.
Driscoll & Fletcher, machsts., 75 Ellicott, Buffalo, N. Y.
Driscoll, Geo. F., Co., contractors, 548 Union, Brooklyn, N. Y.
Driscoll, Jas. J., architect, 326 Chestnut Hill av, Boston, Mass.
Driscoll, J., & Son Co., contractors, Brookline, Mass.
Driscoll, Jos. C., contractor, Weightman Bldg., Philadelphia, Pa.
Driscoll, John E., sewer contr., Torrington, Conn.
Driscoll, Timothy, contractor, Brookline, Mass.
Driscoll, T. J., & Co., contrs., Mers. Bk. Bldg., Indianapolis, Ind.
Drissel & Eberts, hardware—whol., S. Bethlehem, Pa.
Driver, C. H., & Kerr Co., machsts., Racine, Wis.
Driver-Harris Co., castings for annealing, carbonizing, hardening & tempering, Harrison, N. J. *See adv index at end of book*
Driver, John, flag pole fix. & step ladders, San Leandro, Cal.
Driver, Thos. & Sons Mfg. Co., Ltd., plate glass, Racine, Wis.
Droeger Hardware Co., Seymour, Wis.
Droescher, S. R., whol. hdwe. & razor mfrs., 79 Warren, New York.
Drof, Peter, masons' & bldrs.' matls., Petersburg, Ind.
Droitcour & Eysenbach, printing press, Delphos, Ohio.
Drolet, Emmet A., architect, Summit & Cherry, Market bldg, Toledo, Ohio.
Drop Forging Co. of New York, 301 West Side av, Jersey City, N. J.
Drop-a-Line Indicator Co., 523 Prairie, Milwaukee, Wis.
Drost, H., Box Mfg. Co., pckg. box mfrs., Manitowoc, Wis.
Drouvé, G. Co., skylights & sash operating devices, mfrs., Bridgeport, Conn., & Chicago, Ill.
Druckenmiller & Williams, architects, 1537 Chestnut, Phila., Pa.
Drucker Bros., buttons, 113 W. 31st, New York.
Drucker & Co., trunks, 6 W. 4th, Cincinnati, Ohio.
Druecker, Jos., Sons' Co., masons' & bldrs.' matls., Atwater rd, Milwaukee, Wis.
Druecker, N. J., & Co., masons' & bldrs.' matls., 2634 N. Artesian av, Chicago, Ill.
Drueding Bros. Co., chamois importers, 5th & Master, Philadelphia, Pa.
Druggists' Circular, trade publication, 100 William, New York.
Druid Oak Belting Co., belting mfrs., 111 E. Lombard, Baltimore, Md.
Drumm Construction Co., 332 S. Michigan av, Chicago, Ill.
Drummond Bros., brick, Asbury Park, N. J.
Drummond, E. L., architect, 16 Bryan, Savannah, Ga.
Drummond Mfg. Co., machsts. & fndrs., Louisville, Ky.
Drummond, M. J., & Co., gas & waterworks supplies, etc., 51 Chambers, New York.
Drummond-Miller Co., contractors, 4500 Euclid av, Cleveland, O.
Drummond Motor Co., Omaha, Neb.
Drummond Packing Co., meat, Eau Claire, Wis.
Drummond, T. B., & Co., masons' & bldrs.' matls., Buckhannon, W. Va.
Drury Brick & Tile Co., Essex Junction, Vt.
Drury & Kelley Hardware Co., Cadillac, Mich.
Dry Goods Economist, trade publication, 239 W. 39th, New York.
Dry Goods Publishing Co., 392 5th av, New York.
Dry Goodsman, trade journal, St. Louis, Mo.
Dry Goods Reporter, trade journal, 215 So. Market, Chicago, Ill.
Dry Kold Refrigerator Co., Niles, Mich.
Dryburgh, John, contractor, Helena, Mont.
Dryceil Pipe Sleeve Co., 351 Lexington, New York.
Dryden Rubber Co., 1014 S. Kildare av, Chicago, Ill.

Dryer, O. W., architect, Cutler Bldg., Rochester, N. Y.
Dryfus Packing & Provision Co., meat, Lafayette, Ind.
Drying Systems, Inc., engineers, drying & conditioning, 910 So. Michigan, Chicago, Ill.
D. & T. Mfg. Co., htg. & ventg. engrs., 1911 Pine, St. Louis, Mo.
Dubach Lumber Co., Ltd., Dubach, La.
Dubble & Zinn, fndrs., Myerstown, Pa.
Dubee, A. J., contractor, Glens Falls, N. Y.
Dubell, Furman, common brick, Mount Holly, N. J.
Du Bell Mfg. Co., mattresses, Bath, N. Y.
Dubilier Condenser Co., 217 Centre, New York.
Dubin, Geo. H., architect, 724 W. Roosevelt rd, Chicago, Ill.
Dublin Buggy Co., Dublin, Ga.
Dubin & Eisenberg, architects, 139 N. Clark, Chicago, Ill.
Dublin Lbr. Co., Dublin, Ga.
Dublin Mill & Elevator Co., flour, Dublin, Tex.
Dublin Roller Mills, flour, Dublin, Va.
Dubois, Chas. L., cornices & skylights, Englewood, N. J.
Dubois Clay Mfg. Co., brick, Dubois, Pa.
Dubois, F., cornices, Vincennes, Ind.
Du Bois, F. M., & Co., mill & facty. & lumber supplies—jobbers, 247 9th av, New York.
Du Bois Fdry. Co., machsts. & fndrs., Cold Springs, N. Y.
Du Bois Fertilizer Works, Inc., Du Bois, Pa.
Du Bois, Henry, Sons' Co., contractors, 17 State, New York.
Dubois Iron Wks., Dubois, Pa.
Du Bois, John E., lbr., Lake, Miss.
Dubois, Jno. E., masons' & bldrs.' matls., & sash, door & blind mfrs., DuBois, Pa.
Du Bois, L., & Co., wholesale hdwe., Ellenville, N. Y.
Du Bois Lumber Co., Vancouver, Wash.
Dubois Piston Ring Co., Albany, N. Y.
Dubois Reinforced Concrete Co., St. Joseph, Mo.
Dubois & McCoy Lumber Co., sash, door & blind, Bellaure, Ohio.
Dubois Watch Case Co., 316 Herkimer, Brooklyn, N. Y.
Du Bois, Wm., architect, Cheyenne, Wyoming.
Dubsky, J. F., htg. contr., 1506 S. Springfield av, Chicago, Ill
Dubuar, C. L., Lbr. Co., tackle block sheaves, Northville, Mich.
Dubuque Boat & Boiler Wks., Dubuque, Ia.
Dubuque Casket Co., Dubuque, Iowa.
Dubuque Mattress Fcty., Dubuque, Ia.
Dubuque Pckg. Co., meat packers, Dubuque, Ia.
Dubuque Rubber & Belting Co., Dubuque, Ia.
Dubuque Sanitary Mfg. Co., plumbers' supplies, Dubuque, Ia.
Ducas, B. F., Co., aniline colors, dyes, etc., 25 S. William, New York.
Duchemin, Geo. W., plastic ornaments, classic wood carvers. 37 Wainwright, Newark, N. J.
Ducker Sectional Bldg. Corp., portable houses, 299 B'way, New York.
Ducktown Sulphur, Copper & Iron Co., copper ores & sulphuric acid, Isabella, Tenn.
Duckwall Belting & Hose Co., 201 N. West, Indianapolis, Ind.
Duckworth Chain & Mfg. Co., Springfield, Mass.
Duckworth-Crawford Co., contractors, 111 High, Newark, N. J.
Duckworth, J. S., architect, Coal Exch. Bldg., Scranton, Pa.
Duco Adding Machine Co., St. Louis, Mo.
Ducommun Hardware Co., 219 S. Central av, Los Angeles, Cal.
Dudely Tool Co., pumps, aircraft, Menominee, Mich.
Dudenhoeffer Co., brick, Erie, Pa.
Dudgeon Co., machsts. & fndrs., Cane Valley, Ky.
Dudgeon, Richard, machsts., 24 Columbia, New York.
Dudley, A. W., Co., cornices, Terre Haute, Ind.
Dudley, Chas. H., sporting & athletic goods, Hanover, N. H.
Dudley, D. T., & Co., shoe laces, Haverhill, Mass.
Dudley, D. T., & Son Co., tex. machy. (shuttles), Wilkinsonville, Mass.
Dudley Elec. & Mach. Co., machsts. & brass fundrs., Uniontown, Pennsylvania.
Dudley & Orr, stone, El Paso, Tex.
Dudley Paper Co., adding machine rolls, Lansing, Mich.
Dudley, S. A., tex. machy., shuttles, Taunton, Mass.
Dudley Sash, Door & Lumber Co., Columbus, Ga.
Dudley, S. W. R., masons' & bldrs.' matls., Seattle, Wash.
Dudley Tool Co., Menominee, Mich.
Dudley, W. E., mill & facty. supplies, Ashtabula, Ohio.
Dudley, Wm. N., architect, 8 Beacon, Boston, Mass.
Dudlo Mfg. Co., insulated coils, Fort Wayne, Ind.
Due, A. L., Fireworks Co., Market & N. Readg., Cincinnati, O.
Duebel, Chas., & Co., contractors, 224 1st, San Francisco, Cal.
Dueber Watch Case Mfg. Co., Canton, Ohio.
Duemer, Louis, patternmaker, Hamilton, Ohio.
Duer, Jno., & Sons, whol. hdwe., 36 S. Charles, Baltimore, Md.
Duerr, Peter, & Bros., willow ware, 110 Willow, Liverpool, N. Y.
Dues, J. J., Machine Co., Minster, Ohio.
Duesenberg Motors Corp., see Willys Corp. (successor).
Du Fais, John, archt., 53 Everett, R. I.
Duff, Chas. H., fish line mfr., Rockland, Me.
Duff, Jas., Constr. Co., Marshall Bldg., Cleveland, Ohio.
Duff, John W., Inc., contractor, 146 Summer, Boston, Mass.
Duff Mfg. Co., lifting jacks, Preble av, Pittsburgh, Pa.
*See adv index at end of book.*
Duff Patents Co., gas producers, Frick Bldg., Pittsburgh, Pa.
Duff, Samuel E., consulting engr., Empire bldg, Pittsburgh, Pa.
Duff & Son, machsts., 175 Grand, New York.
Duff, Thos., contractor, Wyoming W. 7, Philadelphia, Pa.
Duff, Thos. J., architect, 407 W. 14th, New York.
Duff, Wm. E., Co., machinery dlrs. & mill & facty. su York, Pa.
Duffee, W. F., & Co., contractors, Haverhill, Mass.
Dufficy, John, machst., Hamilton, Ohio.
Duffin Iron Co., 4837 S. Kedzie, Chicago, Ill.
Duffin, John, contr., Malone, N. Y.
Duffner & Stecker Const. Co., 722 Chestnut, St. Louis, M
Duffy Bros. Contr. Co., Cambridge, Ohio.
Duffy Contrg. Co., 663 W. 46th, New York.
Duffy, J. F., Jr., banana knives, 563 Fulton, Chicago, Ill
Duffy, J. P., Co., tile, & masons' & bldrs.' matls., 207 E. New York.
Duffy, John J., brush machy., Waterford, N. Y.
Duffy, L. B., canned goods, Haymakertown, Va.
Duffy, M. J., granite producers, Concord, N. H.
Duffy Mfg. Co., hdwe. mfrs., 214 W. Grand av, Chicago,
Duffy-Trowbridge Stove Mfg. Co., Hannibal, Mo.
Duffy Trunk Co., 141 Baronne, New Orleans, La.
Dufton Hardware Co., Clearfield, Pa.
Dufur, Baggott & Co., iron railings, 403 N. Paca, Baltimor
Dufur & Co., iron railings, wire cloth, etc., 311 N. Howard timore, Md.
Dufur Lbr. Co., Dufur, Ore.
Dugan, Dan A., contractor, Trenton, N. J.
Dugan, D. D., & Son, contrs., Olean, N. Y.
Dugan, Earl N., architect, National Realty bldg., T Wash.
Dugan, Geo. A., Co., cornices, contractors, 200 5th av, New
Dugan, Geo. A., Sr., architect, 200 5th av, New York.
Dugan-Johnson Co., surgical instruments, 29 W. Ohio, apolis, Ind.
Dugan, M., Concrete Co., Bldrs. & Trds. Exchange, Cinc Ohio.
Duggan-Rider Co., waste paper baskets, Erie, Pa.
Dugger & Goshorn, plow handles, Memphis, Tenn.
Duguid, Jno. B., trunk mfr., Prospect av & M. C. R. R., T Ohio.
Dugwell Packing Co., Rocky Mount, Va.
Duhamel & Brueckner, carriages, 735 Bedford av, B'klyn.
Duhamel Co., mill & facty. supplies, & whol. hdwe., Rapid S. D.
Duhlmeier Bros., lbr., Wad. Dalton av, Cincinnati, Ohio.
Duhring, Ziegler, architects, Bailey Bldg., Phila., Pa.
Duhrkop Oven Co., 15 Park Row, New York.
Duisdieker Foundry & Mfg. Co., machsts. & fndrs. Pekin,
Duke, C. A., architect, Failing Bldg., Portland, Ore.
Duke Oak Lumber Co., Wellsville, N. Y.
Duke, Frank M., architect, Vandergrift bldg, Pittsburgh,
Duke, Peterson, Hardware Co., 113 W. Redwood, Baltimo
Duke Steel Co., 191 Pearl, New York.
Dukedom Roller Mill Co., flour, Dukedom, Tenn.
Duker, J. H., Box Co., packing, Aliceanna, cor. Eden, Balt
Duker, Otto, & Co., lumber & furn. for public bldgs., Fleet bemarle, Baltimore, Md.
Dukerschien, L. W., Heating & Ventilating Co., radiator Oshkosh, Wis.
Dukes Glass Works, 2217 Chestnut, Philadelphia, Pa.
Dulaney, W. F., & Sons, machy. dealers, Paris, Tex.
Dulany, J. H., canned goods, Fruitland, Md.
Dulbert, Robt. J., contractor, 141 Milk, Boston, Mass.
Duling, H. L., flour mills, Gormania, W. Va.
Dull, Raymond W., Co., conveyors & elevators & buckets, s etc., gravel washing plants, 111 W. Wash., Chicago,
Dullabahn, Geo. D., contrs., Lebanon, Pa.
Dulle, G. H., Milling Co., flour, Jefferson City, Mo.
Dulles-Baldwin Elec. Drill Co., rock drills, 220 W. 42d York.
Duluth Brass Wks. Co., Duluth, Minn.
Duluth Corrugating & Roofing Co., Duluth, Minn.
Duluth Crushed Stone Co., Duluth, Minn.
Duluth Diamond Drilling Co., Duluth, Minn.
Duluth Gas Engine Wks., Duluth, Minn.
Duluth Iron & Metal Co., mill & factory supplies, Duluth,
Duluth & Iron Range R. R. Co., Duluth, Minn.
Duluth Iron Works, Inc., marine engines, Duluth, Minn.
Duluth Log Co., ties, pole & posts, Duluth, Minn.
Duluth Lbr. Co., Duluth, Minn.
Duluth Machy. Co., Duluth, Minn.
Duluth Plumbing Supplies Co., Duluth, Minn.
Duluth Show Case Co., Duluth, Minn.
Duluth-Superior Dredging Co., Duluth, Minn.
Duluth Tie & Pulpwood Co., Duluth, Minn.
Duluth Trunk Co., Duluth, Minn.
Duluth Universal Milling Co., flour, Duluth, Minn.
Duluth Water Heater Co., Duluth, Minn.
Dumarest Bros. crude rubber, 66 Front, New York.
Dumbleton, Thos., & Son, brick oven bldrs., 619 Carlt Brooklyn, N. Y.
Du Mond, A. A., smoke test machines, 45 W. 34th, New Y
Dumond Mfg. Co., clothes washing machines, Cendar Fall
Dumond, W. R., boiler compound, 39 South, New York.
Dumphy, Wm., Mfg. Co., sash, door & blind mfrs., Racin
Dumrauf & Wicke, butchers' blocks, 406 E. 102d, New Y
Dun, Thos. F., architect, 953 Woodycrest av, New York.
Dunbar Auto. Body Co., 37th & Filbert, Philadelphia, P
Dunbar Box & Lbr. Co., 282 11th av, New York.

Dunbar Bros., granite, Sullivan, Me.
Dunbar Bros. Co., makers of springs of all description, Bristol, Conn.
Dunbar Brick Co., Augusta, Ga.
Dunbar & Co., machsts., 2652 W. Lake, Chicago, Ill.
Dunbar Construction Co., Sault Saint Marie, Mich.
Dunbar, F. W., & Co., imp. crude rubber, 280 B'way, New York.
Dunbar Flint Glass Co., chimney, Dunbar, W. Va.
Dunbar, Irwin, architect, Kirksville, Mo.
Dunbar, J., architect, Kirksville, Mo.
Dunbar, J. J., & Co., htg. contrs., 415 Milwaukee av, Chicago, Ill.
Dunbar, John D., contractor, Canton, O.
Dunbar Ledger & Binder Co., loose leaf devices, Minneapolis, Minn.
Dunbar, L. L., carriages, Linngrove, Ind.
Dunbar Mfg. Co., car flooring, 325 N. Leamongton av, Chicago, Ill.
Dunbar Mfg. Co., rubber balloons, finger cots, South River, N. J.
Dunbar Mill & Lumber Co., Cairo, Ill.
Dunbar, Noel S., archt., Farmers' Trust Bldg., South Bend, Ind.
Dunbar, R. M., architect, Monroe, Mich.
Dunbar Stone Co., River Rouge, Detroit, Mich.
Dunbar & Sullivan, contractors, Dime Bk. Bldg., Detroit, Mich.
Dunbar, Wm., Co., contrs., Fairfax rd & Lamberton dr, Cleveland, Ohio.
Duncan, Barron, architects, 120 Murray, Alexandria, La.
Duncan & Bro., fertz. mfrs., La Grange, Ky.
Duncan Bros. Mop Co., mops—polish, 2614 W. Grand av, Chicago, Ill.
Duncan Bros. & Wray Co., machsts., Ludlow Falls, Ohio.
Duncan, D. D., & Co., sashes, doors & blinds, Los Angeles, Cal.
Duncan Electric Mfg. Co., machsts. & fndrs., watthour meters, transformers & wattmeters, Lafayette, Ind.
Duncan Co. (The), boilers, forgings, etc., 506 Water, Toledo, Ohio.
Duncan Foundry & Machine Works, Alton, Ill.
Duncan, Geo., & Co., burlap, 366 B'way, New York.
Duncan & Goodell Co., whol. hdwe. & mill & facty. supplies, Worcester, Mass.
Duncan, Henry J., automatic wood turning lathes, Alpena, Mich.
Duncan, J. C., lumber, Killbuck, Ohio.
Duncan, J., Co., overhead trolleys, 7 Fulton pl, Boston, Mass.
Duncan, Jno. G., Co., machy. dlrs., Knoxville, Tenn.
Duncan, John H., architect, 347 5th av, New York.
Duncan Lbr. Co., Cumberland, Ind.
Duncan & Miller Glass Co., Washington, Pa.
Duncan & Porter Co., masons' & bldrs.' matls., 310 Mendota, Pittsburgh, Pa.
Duncan & Sons, horse collars, Seattle, Wash.
Duncan, Wm., Est. of, mchst. & fndr., 156 Liverpool, E. B., Boston, Mass.
Duncan, W. C., & Co., contrs., Sharon Bldg., San Francisco, Cal.
Duncan, W. G., Coal Co., Greenville, Ky.
Duncan, W. H., Co., Inc., auto top fabrics, 70 Worth, New York.
Duncan's Mills Land & Lumber Co., 112 Market, San Fran., Cal.
Duncannon Flouring Mill Co., Duncannon, Pa.
Duncanson-Harrelson Co., contractors, Chronicle Bldg., San Francisco, Cal.
Dunck Tank Wks., wood, 878 30th, Milwaukee, Wis.
Dundas, E. H., contractor, 1501 E., Salt Lake City, Utah.
Dundee Canning & Preserving Co., Dundee, Mich.
Dundee Mfg. Co., signs, Boston, Mass.
Dundee Mills, towels, Hookset, N. H.
Dundee Textile Co., umbrella cloth, Passaic, N. J.
Dundon's Iron Works, 225 Folsom, San Francisco, Cal.
Dundore Mfg. Co., gear mfrs. 246 Orange, Reading, Pa.
Dunellen Lbr. & Stone Co., Dunellen, N. J.
Dunmer Co., car water closets, 101 S. Clinton, Chicago, Ill.
Dunnfee, J., & Co., floors, weather strips, 40 N. Franklin, Chicago, Ill.
Dungan Fertilizer Co., Doylestown, Pa.
Dungannon Lbr. Co., Dungannon, Va.
Dunham, C. A., Co., machsts. & fndrs., steam fitters' supplies, Marshalltown, Ill.
Dunham, C. A., Co., steamfitters' supps., 343 S. Dearborn, Chicago, Ill.
Dunham, Carrigan & Hayden Co., whol. hdwe., household gds., mill ry., electrical supplies, etc., Kansas & Division, San Francisco, Cal.
Dunham, Chas. B., architect, 6 Beacon, Boston, Mass.
Dunham Co., agricultural implements, Berea, Ohio.
Dunham, Crawford L., mill & facty. supplies, New Bedford, Mass
Dunham, D. B., & Son, auto. & vehicle tops, Newark, N. J.
Dunham & Fiske, machsts., Whitewater, Wis.
Dunham, G. F., architect, N. W. Bank Bldg., Portland, Ore.
Dunham, H. E., masons' & bldrs.' matls., Chelan, Wash.
Dunham, John M., Co., architects, 20th & Clark avs, St. Louis, Mo.
Dunham Mills, sweaters, cardigans, etc., Hartford, Conn.
Dunham, O. E., contractor, Warren, Pa.
Dunham Piston Ring Co., 52 Vandeventer, New York.
Dunham, Thos. C., whiting, varnish, paint, plate glass, 68 Murray, New York.
Dunham, W. H., masons' & bldrs.' matls., Okanogan, Wash.
Dunka River Lbr. Co., Fairbanks, Minn.
Dunkar-Dukate Co., canned gds., Blanche bldg, New Orleans, La.
Dunker & Perkins, distributors soaps & dyestuffs, 287 Atlantic av, Boston, Mass.
Dunkirk Brick & Tile Co., Dunkirk, N. Y.
Dunkirk Constr. Co., Dunkirk, N. Y.
Dunkirk Lbr. Co., Dunkirk, Ind.
Dunkirk Mach. & Boiler Co., Dunkirk, N. Y.
Dunkirk Mason & Contr. Co., Dunkirk, N. Y.
Dunkirk Window Glass Co., S. Charleston, W. Va.
Dunkle, Arthur J., Co., contractors & railroad supplies, 50 Church, New York.
Dunlap, C. C., lumber, Delaware, Ohio.
Dunlap-Coleman Co., contrs., Peoria, Ill.
Dunlap & Co., contrs., masons' & bldrs.' matls., Columbus, Ind.
Dunlap, Elmer E., architect., State Life Bldg., Indianapolis, & Kokomo, Ind.
Dunlap, E. R., architect, Hammond Bldg., Detroit, Mich.
Dunlap Hardware Co., Macon, Ga.
Dunlap, John, Co., oils, cans, Carnegie, Pa.
Dunlap, J. S., egg beaters, knives, etc., 334 S. Clinton, Chicago, Ill.
Dunlap, Louis E., Co., architects, Kokomo, Ind.
Dunlap Mfg. Co., cloths, metal polish, screens, Bloomington, Ill.
Dunleavy Bros., contractors, Coatesville, Pa.
Dunlevie Lumber Co., Allenhurst, Ga.
Dunlevy Packing Co., meat packers, Hamilton av & Enterprise, Pittsburgh, Pa.
Dunlop & Lisk Pottery Co., Matawan, N. J.
Dunlop Milling Co., flour, Clarksville, Tenn.
Dunlop Mills, flour, Richmond, Va.
Dunlop-Moore Co., masons' & bldrs.' matls., Duluth, Minn.
Dunn Brick Wks., Erie, Pa.
Dunn, Chas. J., contractor, 1328 Inca, Denver, Colo.
Dunn Connellsville Coke Co., Adamsburg, Pa.
Dunn Construction Co., Chamber of Commerce Bldg., Birmingham, Ala.
Dunn, Cooper M., landscape architect, State Life Bldg., Indianapolis, Ind.
Dunn, E. D. & J. C., architects, 527 5th av, New York.
Dunn Edge Tool Co., Oakland, Me.
Dunn, Edward D., architect, 303 5th av, New York.
Dunn & Eldridge Co., fndrs., 6 N. 6th, Philadelphia, Pa.
Dunn & Elliot Co., ship bldrs., Thomaston, Me.
Dunn, Geo. O., & Bros., contrs., Indianapolis, Ind.
Dunn Green Leather Co., 32 South, Boston, Mass.
Dunn, H. B., architect, 6665 Hollywood, Los Angeles, Cal.
Dunn Ink Wks., Buffalo, N. Y.
Dunn, J. C. & Co., oil cloth mfrs., Camden, N. J.
Dunn, J. Edward, Co., reboring tools for engine cylinders, metal stamping, spec. machy., etc., 9 Bethune, New York.
Dunn, J. M., & Son, contrs., Knoxville, Tenn.
Dunn, J. T., Co., Inc., importers & exporters of crude products for manufacturers, 216 Pine, San Francisco, Cal.
*See adv index at end of book*
Dunn, James, Box Co., packing box, 1952 W. 3d, Cleveland, Ohio.
Dunn, Jas. F., architect, 760 Market, San Francisco, Cal.
Dunn, Jas. J., contractor, Kearny, N. J.
Dunn, Jas. P., chain hoists, Cleveland, Ohio.
Dunn, Jno. A. Co., revolving chairs, Gardner, Mass.
Dunn, Jwly. Co., badges & buttons, 82 Nassau, New York.
Dunn & Kruse, talc, soapstone, clays, chalk, etc., 63 Park Row, New York.
Dunn, L. J., cornices, 1976 Lexington av, New York.
Dunn Loop Coal & Coke Co., Macdonald, W. Va.
Dunn Lumber Co., White Bldg., Seattle, Wash.
Dunn Mach. Co., Buffalo, N. Y
Dunn Mfg. Co., castings, Oxnard, Cal
Dunn Mfg. Co., dish washing machines, 180 N. Dearborn, Chicago, Ill.
Dunn Mfg. Co., door check & spring mfrs., Mankato, Minn.
Dunn Mfg. Co., trench braces, Preble av, N. S. Pittsburgh, Pa.
Dunn-McCarthy Co., contractors, 37 W. Van Buren, Chicago, Ill., & Fair, Indianapolis, Ind.
Dunn, M. E., machy. dlrs., Portland, Me.
Dunn Oil Mills Co., Dunn, N. C.
Dunn & Rodenberg, clutch pencils & pocket knives, Baker, Providence, R. I.
Dunn & Sheridan, contractors, 168 E. 32nd, New York.
Dunn Textile Engraving & Mfg. Co., 2011 Church, Philadelphia, Pa.
Dunn, Thos., contractor, Saratoga Springs, N. Y.
Dunn, Thomas, & Sons, hardware, who., & mill & factory supplies & mchsts., tools & supplies, Moline, Ill.
Dunn, T. W., Co., glue & gelatine, 248 Front, New York.
Dunn, W. C., Co., journal truing machy, 832 W. 6th, Cincinnati, Ohio.
Dunn, Walter E., automobile bldrs., Ogdensburg, N. Y.
Dunn, Walter T., architect, Hanover, Kans.
Dunn, Walter E., Mfg. Co., oil engines, etc., Ogdensburg, N. Y.
Dunn, W. H., cornices & skylights, Pasadena, Cal.
Dunn, Wm. J., scrap iron & steel, Fall River, Mass.
Dunn, Wm. J., & Son, granite prod., 331 S. 23d, Philadelphia, Pa.
Dunn, Wm. P., contr., Carlinville, Ill.
Dunn Wire-Cut Lug Brick Co., Conneaut, Ohio.
Dunnam & Robinson, lbr., Mer Rouge, La.
Dunnavant, C. E., Contracting Co., Norfolk, Va.

Dunne, Michael F., machsts., 223 West, New York.
Dunne, Thos, Co., advtg. nov., 415-417 Natchez, New Orleans, La.
Dunnebacke Co., masons' & bldrs.' matls., Kenosha, Wis.
Dunnewold & Sartell, sashes, doors & blinds, St. Cloud, Minn.
Dunnigan & Crumley, architects, 391 E. 149th, New York.
Dunning & Boschert Press Co., Inc., 379 W. Water, Syracuse, N. Y. *See adv index at end of book.*
Dunning, Carl, Supply Co., contrs. equipt. machy. & bldrs. supplies, Lemcke bldg, Indianapolis, Ind.
Dunning, Erich, Harvester Co., machsts. & fndrs, Harrington, Wash.
Dunning Iron Store Co., whol. hdwe., 473 E. 3d, Los Angeles, Cal.
Dunning, Max N., architect, 319 S. Wabash, Chicago, Ill.
Dunning, R. B., & Co., plumbers' supplies, Bangor, Me.
Dunning-Varney Corp., packing box mfrs., 99 Warren, New York.
Dunning, W. D. See Dunning & Baschert Press Co., Ins. (successor).
Dunningham, John, contractor, Elmira, N. Y.
Dunn's Service, gauge glass protectors, 608 S. Dearborn, Chicago, Ill.
Dunphy Boat Mfg. Co., motor boat bldrs., Eau Claire, Wis.
Dun's International Review, trade publications, 290 Broadway, New York.
Dunson Mills, cotton duck & canvas, La Grange, Ga.
Dunstane, T. H., granite, Concord, N. H.
Dunstan of Dunkirk, Inc., labels, Dunkirk, N. Y.
Duntley Co., belt dressings, 1416 S. Michigan av, Chicago, Ill.
Duntley Co., belt preservative, 295 5th av, New York.
Duntley Products Co., hand vacuum cleaners, Erie, Pa.
Duntley Products Sales Co., humidifying app., 732 Michigan av, Chicago, Ill.
Duntley Pneumatic Sweeper Co., vacuum cleaners, 412-414 S. Market, Chicago, Ill.
Dunton Lumber Co., Rumford, Me.
Dunton, M. W., Co., insulating tapes, roofing paper, etc., Providence, R. I.
Dunzeller Constr. Co., contractor, Zanesville, Ohio.
Duparquet, Huot & Moneuse Co., cooking app., 110 W. 22d, New York.
Du Paul, Young Optical Co., Southbridge, Mass.
Duplex Elec. Co., 258 Broadway, New York.
Duplex Engine Governor Co., 36 Flatbush av ext., B'klyn, N. Y.
Duplex Hanger Co., anchors, bases, boxes, joist hangers, etc., E. 53d & Lakeside av, Cleveland, Ohio.
Duplex Hose Coupling Co., Wilkensburg, Pa.
Duplex Mach. Co., auto bumpers & whistles, 93 Lafayette, Newark, N. J.
Duplex Mach. Co., 1224 W. 6th, Cleveland, Ohio.
Duplex Mfg. Co., mchsts., fndrs. & agricultural impl., Superior, Wis.
Duplex Mfg. & Fdry. Co., catch basins & street drainage goods, brick clamps, Elyria, Ohio.
Duplex Mill & Mfg. Co., agricultural implements & feed mills, etc., Springfield, Ohio.
Duplex Moulding Sander Co., machy., Hornell, N. Y.
Duplex Printing Press Co., printing presses, Battle Creek, Mich.
Duplex Shade Co., Buffalo, N. Y.
Duplex Truck Co., auto mfrs., Lansing, Mich.
Duplicator Mfg. Co., 530 S. Dearborn, Chicago, Ill.
Du Pont (E. I.) De Nemours & Co., Wilmington, Del.
Dupont Land Co., lumber, Dupont, Fla.
Dupont, Henry H., architect, St. Petersburg, Fla.
Dupont Lbr. Co., Poplarville, Miss.
Du Pont Motors, Inc., Wilmington, Del.
Dupre, Christian, contrs., Evanston, Ill.
Du Pree, J. F. & Sons Co., contrs, Rome, Ga.
Du Pree Mfg. Co., excelsior, wood wool, Atlanta, Ga.
Duquesne Const. Co., contractors, Bessemer Bldg., Pittsburgh, Pa.
Duquesne Contracting Co., Diamond Bk. Bldg., Pittsburgh, Pa.
Duquesne Elec. & Mfg. Co., rebuilt motors & generators, Bessemer Bldg., Pittsburgh, Pa. *See adv. index at end of book.*
Duquesne Glass Co., bottles, Paden City, W. Va.
Duquesne Oil & Supply Co., lubrg., 3300 Smallman, Pittsburgh, Pa.
Duquesne Polish Co., metal, 53 S. 15th, Pittsburgh, Pa.
Duquesne Reduction Co., brass ingots, Farmers' Bank Bldg., Pittsburgh, Pa.
Duquesne Slag Products Co., concrete, Diamond Bank Bldg., Pittsburgh, Pa.
Duquesne Steel Foundry Co., loco. frames, Arrott Bldg., Pittsburgh, Pa.
Dupuis, A. J., Co., contractors & dock builders, Ford Bldg., Detroit, Mich.
Duquoin Constr. Co., Duquoin, Ill.
Durabla Mfg. Co., packing mfrs. paints, valve discs, etc., 114 Liberty, New York.
Durable Motor Truck Co., Hammond, Ind.
Durable Toy & Nov. Co., 44 Union Sq., New York.
Durable Wire Rope Co., wire rope and accessories, 93 Pearl, Boston, Mass.
Dural Rubber Corp., airplane parts, rubber, Flemington, N. J.
Durametal Weather Strip Co., 226 W. Madison, Chicago, Ill.
Durand Koering Glass Co., glass tubing & rods, Vineland, N. J.
Durand Steel Locker Co., 76 W. Monroe, Chicago, Ill.



Durang, Ferdinand F., architect, 1220 Locust, Phila., Pa.
Duranoid Mfg. Co., harness ornaments, molded insulation, 213 Chestnut, Newark, N. J.
Durant Bros., canned goods, Clarksdale, Mo.
Durant Machy. & Iron Wks., Durant, Okla.
Durant Mfg. Co., speed indicators & counting machines manufacturers of counting devices for recording prot tion & pole & revolution counters, 655 Buffum, Milwau Wis.
Duratex Co., artificial leather, 768 Frelinghuysen av, New N. J.
Durbin Co., expansion swing & universal, 705 Market, Louis, Mo.
Durbrow & Hearne Mfg. Co., machsts., 12 Wooster, New Y
Duren & Co., milk bottle caps, 34 Summer, Boston, Mass.
Durex Chemical Corp., barium products, 320 5th av, New Y & Sweetland, Tenn.
Durfee, D. J., contr., Quincy, Ill.
Durfee Mfg. Co., disinfectants, Grand Rapids, Mich.
Durfee Mills, cotton sheetings, Fall River, Mass.
Durfee, Walter H., & Co., clocks, church bells, etc., 151 P Providence, R. I.
Durfee, Winthrop C., mordants, 516 Atlantic av, Boston, Ma
Durflinger, John W., contractor, Noblesville, Ind.
Durgin & Son, cornices, Minneapolis, Minn.
Durham Bros., architects, 26 S. 15th, Philadelphia, Pa.
Durham Buggy Co., Durham, N. C.
Durham Coal & Iron Co., coke, Chattanooga, Tenn.
Durham Cotton Mfg. Co., East Durham, N. C.
Durham Duplex Razor Co., safety razors, Jersey City, N.
Durham Fdry. & Mach. Wks. See Kerr, J. T. (successor)
Durham Iron Works Co., Durham, N. C.
Durham, J. C., Co., sash, door & blind mfrs., Belfast, Me.
Durham Mfg. Co., fireless cookers, children's vehicles, Mur Ind.
Durham Mill Co., flour, Durham, Cal.
Durham, W. W., architect, Leavenworth, Wash.
Durick, Keenan & Co., slate floor tile, etc., Fair Haven, Vt.
Durie & Davison, stone, Harrison, N. J.
Duriron Castings Co., acid proof castings, Dayton, Ohio.
Duriron Castings Co., condensers, fans, etc., 90 West, New Y
Duristo Paint Co., paint mfrs., Newport News, Va.
Durkee-Atwood Co., auto chemical supplies, 40 Wilder, Mi apolis, Minn.
Durkee, Chas. D., & Co., who. hardware, pumps, sockets, ho etc., 2 South, New York.
Durkee Counter Co., Haverhill, Mass.
Durkee, E. L., & Co., whol. hdwe., Gloversville, N. Y.
Durkee, F. M., & Son, masons' & bldrs.' matls., Lake Gen Wis.
Durkin, Jno. J., contractor, 401 W. 59th, New York.
Durkin, Reeves & Co., duplicators, Schmidt Bldg., Pittsbu Pa.
Durlacque Mfg. Co., lacquer mfrs., etc., 1311 Chestnut, Louis, Mo.
Durland Counter Co., Lynn, Mass.
Durland, L. H. Son & Co., masons' & bldrs.' matls., Watl N. Y.
Durman, L. C., lbr. mfrs., Harris, Mo.
Durner, A. E., disc sharpeners, Evansville, Wis.
Durocher, Thos. L., contractor, Sault Sainte Marie, Mich.
Du Roy Mfg. Co., lumber, Park Lake, Mich.
Durr, C. A., Packing Co., meat packers, Utica, N. Y.
Durr, Sebastian, contr., Mount Vernon, N. Y.
Durrett, J. W., & Son, flour mills, Cross Plains, Tenn.
Durrschimt, Max A., contractor, Derby, Conn.
Durst Milling Co., flour, Dayton, Ohio.
Durst Mfg. Co., plumbers' supps., 105 Chambers, New York.
Durston Gear Co., transmission gears, Syracuse, N. Y.
Duryea, C. E., Co., priming cups, Saginaw, Mich.
Duryea Mfg. Co., mfrs. belting oils, boiler compounds, Bayo N. J.
Duryea Motors, Inc., auto bldrs., 3528 W. 18th, Phila., Pa.
Duryea Motors, Inc., trucks, Wilmington, Del.
Duryee, Peter, & Co., who. hdwe., 66 Vesey, New York.
Dusenberry, H. C., disinfectants, 95 Gold, New York.
Dush, Louis, cornices & skylights, Memphis, Tenn.
Dushant, I. M., & Sons, contrs., Carnegie, Pa.
Dusing & Hunt, hdwe. mfrs., fire extinguishers, 386 Mich. Buffalo, N. Y.
Dussault Fdry. Wks., Lockport, N. Y.
Dussell Alex., Iron Works, boilers, 416 Erato, New Orleans.
Dussick, Jos. L., architect, 196 Bay,14th, Brooklyn, N. Y.
Dust Sprayer Mfg. Co., 1222 W. 9th, Kansas City, Mo.
Dustman, Urias M., architect, Freeport, Ill.
Dustoline for Roads Co., road binders, Summit, N. J.
Duston, F. W., canned goods, Clarkston, Wash.
Dutch, A., & Co., show cases, 148 Seneca, Buffalo, N. Y.
Dutch Canning & Pickling Co., Cedar Grove, Wis.
Dutcher Mach. Co., engines, Fulton, N. Y.
Dutcher, Ogden, architect, Nampa, Idaho.
Dutchess County Lime Co., mfrs., Dover Plains, N. Y.
Dutchess Fdry. Co., Poughkeepsie, N. Y.
Dutchess Tool Co., machsts. & fndrs., bakers' mach., Fishkil the-Hudson, N. Y.
Duthie, J. F., & Co., ship bldrs., Seattle, Wash.
Dutt Feed & Supply Co., masons' & bldrs.' matls., Wadsw Ohio.

ton, A. C., Lumber Corp., Springfield, Mass.
ton Dredge Co., contrs., 16 California, San Francisco, Cal
ton, C. H., Co., boilers & engines, Kalamazoo, Mich.
ton, E. Q., & Co., agricultural implements, Cato, N. Y.
ton, Jas. E., granite, 42 E. 23d, New York.
ton & Jones Fdry. & Mach. Wks., Vicksburg, Miss.
ton, Willis H., machsts., Morristown, N. J.
wiler, M. E., stoves, Los Angeles, Cal.
al, Geo. W., & Co., machsts. & fndrs., Norfolk, Va.
al Iron Works, Jacksonville, Fla.
al Lumber Co., Pensacola, Fla.
all Co., lumber, Kewaunee, Wis.
inage, Pierre, archl. iron, 253 B'way, New York.
Vivier, Ernest H. (Imp.), barometer recorders, thermometers. etc., 30 Church, New York.
, Jos, archl. modelers, 2112 W. Van Buren, Chicago, Ill.
er, Frank E., contractor, Chestertown, Md.
rak, John, & Sons, buttons—pearl, Little Ferry, N. J.
rsky Co., buttons, 411 E. 91st, New York.
lle-Kaiser Co., glass stainers, 251 Elm, Buffalo, New York.
n, Robt. G., architect, 76 W. Monroe, Chicago, Ill.
& W. Fuse Co., cut-outs, boxes, switches, wires, etc., Hathaway, Providence, R. I.
ggins Wire Fence Co., Anderson, Ind.
ght Building Co., contrs., 24 Center, New Haven, Conn.
ght & Lloyd Metallurgical Co., mining engr., 29 B'way, New York.
ght, H. A., masons' & bldrs.' matls., Albany, N. Y.
ght Lumber Co., maple flooring, River Rouge, Detroit, Mich.
ght Mfg. Co., cotton sheetings, Exch. Bldg., Boston, Mass
ght Mfg. Co., indicators, 563 W. Washington blvd., Chicago, Ill.
nell Hdwe. Co., mill & facty. supps., Montpelier, Vt.
nell & Laughlin, contrs., Waukesha, Wis.
er & Co., contractors, Weightman Bldg., Philadelphia, Pa.
er, Cornelius, cornices & skylights, Amsterdam, N. Y.
er, Jas. P., Co., htg. contrs., 183 Harrison av, Boston, Mass.
er, J. Frank, masons' & bldrs.' matls., Geneva, N. Y.
er, J. W., & Son, contractors, Ellicott sq, Buffalo, N. Y.
er Mach. Co., Lynn, Mass.
er & Mannix, contrs., 335 Shelton av, New Haven, Conn.
er, M. J., stone producers, Newburgh, N. Y.
er & Waldorf, architects, Three Forks, Mont.
er, W. E., architect, New York Bldg., Seattle, Wash.
er, Wm. J., contractor, Kirk blk, Syracuse, N. Y.
Supply Co., contractors' municipal equipment, mfrs., 68 Broadway, Cambridge, Mass. *See adv index at end of book*
Bros., stone renovators, 100½ W. 54th, New York.
John K., contractor, Gloversville, N. Y.
Lumber Co., Hamlet, Ind.
Milton, masons' & bldrs.' matls., Cumberland, Ohio.
Products Co. of U. S., aniline colors, Krams & Wilde, Philadelphia, Pa.
Products & Chemical Co., colors, 200 5th av, New York.
Walter F., contractor, Gloversville, N. Y.
, A. H., Co., architects, Fremont, Neb.
, B. H., & Co., masons' & bldrs.' matls., Provincetown, Mass.
Bros. Iron Works, 17th & Kansas, San Francisco, Cal.
, C. C., brick, Greenfield, Mass.
Chas. N., shoe goring, cotton webbing, Haverhill, Mass.
Co., sugar machy., 2031 Euclid av, Cleveland, Ohio.
G. H., Co., autogenous welding & garage tools, mfrs., Cambridge, Mass.
Jno., Jr., dock bldr. & contractor, 6 S. Pearl, Albany, N. Y.
John N., & Son, granite prod., Long Island City, N. Y.
Jno. T., Quarry Co., stone producers., Norristown, Pa.
J. Milton, architects, 716 American Trust bldg., Cleveland, Ohio
Packing Co., Vincennes, Ind.
Saddlery Co., 419 3rd, Milwaukee, Wis.
Scott C., architect, 38 S. Dearborn, Chicago, Ill.
W. E. S., architect, Land Title Bldg., Philadelphia, Pa.
W J., & Bro., pianos, N. St. Paul, Minn.
William H., sashes, doors & blinds, 13th cor. Ohio av, N. Y., Washington, D. C.
burg Hoop Co., Dyersburg, Tenn.
, Frank J., Co., machsts., Ilion, N. Y.
Bros., lumber mfrs., Fort Smith, Ark.
na Co., rubber bands, 640 Smithfield, Pittsburgh, Pa.
nan & Murray, architects, 15 Exchange, Boston, Mass.
Lbr. Co., 348 W. 44th, New York.
nd, E. P., cornices, Plymouth, Pa.
nd-Simmons Hardware Co., Sioux City, Ia.
-Pohlman Lbr. Co., Indianapolis, Ind.
o Electric Corp., auto lighting systems, Syracuse, N. Y.
Utilities Mfg. Co., commutator compounds, 608 S. Dearborn, Chicago, Ill.
t, Arthur, architect, G. N. Ry. Engr. Dept., Seattle, Wash.
t Brick & Tile Co., Dysart, Ia.
Brick Co., Dyson, S. C.
Jos., & Sons, drop forgings, 5125 St. Clair av, W. Cleveland, O.
t Mill Co., lumber, Port Angeles, Wash.
Bldg. Supply Co., masons' & bldrs.' mtls., 316 Scarrit Bldg., Kansas City, Mo.
Geo. M., Co., contractors, Louisville, Ky.

Eagan & Dougan, contractors, Mutual Life Bldg., Buffalo, N. Y.
Eagan-Rogers Steel & Iron Co., mchsts. & fndrs., Crum Lynne, Pa.
Eagan, Seth S., machst., Lebanon, Ind.
Eagen, Jas. A., machsts., Wyoming, Pa.
Eager Elec. Co., plating generators, motors, Watertown, N. Y.
Eagle Badge & Button Co., 217 Grand, New York.
Eagle Beer Pump Co., 17 Chambers, New York.
Eagle Belting Co., leather, 558 W. Randolph, Chicago, Ill.
Eagle Bolt & Forging Co., 1435 E. 45th, Cleveland, Ohio.
Eagle Brass Foundry, machsts. & fndrs., Seattle, Wash.
*See adv index at end of book*
Eagle Building & Constr. Co., 405 E. 117th, New York.
Eagle Button Wks., 55 Chrystie, New York.
Eagle Carriage Co., 1630 Gest, Cincinnati, Ohio.
Eagle Constr. Co., Drexel Bldg., Philadelphia, Pa.
Eagle Cordage Mills, Covington, Ky.
Eagle Cornice Co., 312 Blackstone, Providence, R. I.
Eagle Cornice & Roofing Co., 959 W. Fort, Detroit, Mich.
Eagle Cornice & Skylight Wks., Cambridge, Mass.
Eagle Cornice Wks., 2726 Sheffield av, Chicago, Ill.
Eagle Cotton Mills Co., bags & bagging, Madison, Ind.
Eagle Cotton Oil Co., Meridian, Miss.
Eagle Counter & Leather Co., 416 E. 8th, Cincinnati, Ohio.
Eagle Emery & Corundum Wheel Co., 715 S. Robey, Chicago, Ill.
Eagle Engineering Co. (The), special machinery, tools, etc., Springfield, O.
Eagle Envelope Co., 5 So. Wabash, Chicago, Ill.
Eagle Flouring Mill Co., Sweetwater, Tenn.
Eagle Foundry Co., Belleville, Ill.
Eagle Foundry Co., gray iron castings, Muncie, Ind.
Eagle Fdry. & Mach. Co., Jamestown, N. Y.
Eagle Gray Granite Co., Fryeburg, Me.
Eagle Iron & Brass Fdry., Passaic, N. J.
Eagle Iron Co., blast furnaces, Curtin, Pa.
Eagle Iron Foundry, Salem, Mass.
Eagle Iron Works, Des Moines, Ia.
Eagle Iron Wks., Lykens, Pa.
Eagle Iron Wks., fndrs., Muskegon, Mich.
Eagle Iron Wks., Norfolk, Va.
Eagle Iron Wks., 850 De Kalb av, Brooklyn, N. Y.
Eagle Iron Wks., 403 E. 117th, New Yorok.
Eagle Iron Wks., arch't. iron, Wilkes-Barre, Pa.
Eagle Iron Wks. Co., 9 av S & 5th, Minneapolis, Minn.
Eagle Iron Wks. Co., screens, wheels, etc., Terre Haute, Ind
Eagle, J. W. P., machsts. & fndrs., Ronceverte, W. Va.
Eagle Knife & Bar Co., Lawrence, Mass.
Eagle Knitting Mills, gloves, etc., 184 E. Water, Milwaukee, Wis.
Eagle Lithographing Co., label mfrs., 1672 Providence, Cincinnati, Ohio.
Eagle Lock Co., trunk, hardware, Terryville, Conn.
Eagle Lubricating Oil Co., 226 1st av, Pittsburgh, Pa.
Eagle Lumber Co., Eagle Mills, Ark.
Eagle Lye Wks., 28 Erie, Milwaukee, Wis.
Eagle Machine Co., Lancaster, Ohio.
Eagle Mach. Wks., Richmond, Ind.
Eagle Machy. Co., dlrs., Centre & Walker, New York
Eagle-Macomber Motor Car Co., Sandusky, Ohio.
Eagle Mfg. Co., grease buckets, Wellsburg, W. Va.
Eagle Mfg. Co., machsts. & fndrs., Appleton, Wis.
Eagle Mfg. Co., special tools, dies, etc., Blue Rock & Turrill, Cincinnati, Ohio.
Eagle Milling Co., flour mills, Bentonville, Ark., & Tucson, Ariz.
Eagle Mills, flour, Pocomke City, Md.
Eagle Mills, plushes, Woonsocket, R. I.
Eagle Oil & Supply Co., 45 India, Boston, Mass.
Eagle-Ottawa Leather Co., 288 W. Lake, Chicago, Ill.
Eagle Paint & Varnish Co., 225 Galveston, Pittsburgh, Pa.
Eagle Paper Co., Richmond, Va.
Eagle Paving Co., contractors, Rosenbloom Bldg., Syracuse, N. Y.
Eagle Pencil Co., 703 E. 13th, New York.
Eagle & Phenix Mills, flannels, tickings, Columbus, Ga.
Eagle Picher Lead Co., lead products, 208 S. La Salle, Chicago, Ill.
Eagle Pipe Supply Co., 233 B'way, New York.
Eagle Point Lime Wks., Dubuque, Iowa.
Eagle Polishing Co., S. Quincy, Quincy, Mass.
Eagle Printing Ink Co., 83 Grand, New York.
Eagle Regalia Co., badges & buttons, 115 Nassau, New York.
Eagle Rock Mfg. Co., sashes, doors & blinds, Eagle Rock, N. C
Eagle Roller Mill Co., flour, New Ulm, Minn.
Eagle Roller Mills, flour, Greenville, S. C.
Eagle Roller Mills, flour, Lawrenceburg, Ky.
Eagle Roofing & Art Metal Works, cornices, Tampa, Fla.
Eagle Rubber Co., balloons, Ashland, Ohio.
Eagle Safety Razor Co., 66 W. Broadway, New York.
Eagle Saw Works, Chattanooga, Tenn.
Eagle Smelting & Refining Wks., 233 Broadway, New York.
Eagle Soap Co., Cooper & Turill, Cum., Cincinnati, Ohio.
Eagle Spec. Mfg. Co., sink brackets, mop sticks, etc., Jamestown, N. Y.
Eagle Square Mfg. Co., steel & iron bedsteads, machsts. & fndrs., etc., South Shaftsbury, Vt.
Eagle Talking Mach. Co., 75 Fulton, New York.

Eagle Tank Co., wooden tanks, 2426 N. Crawford av, Chicago, Ill.
Eagle Tool Wks., Bayonne, N. J.
Eagle Valley Canning Co., New Bridge, Ore.
Eagle Wagon Works, Auburn, N. Y.
Eagle Woodenware Mfg. Co., Hamilton, Ohio.
Eagle Wrought Iron Wks., Jackson av & 150th, New York.
Eagles, Israel C., architect, 153 N. 16th, East Orange, N. J.
Eaglesfield Hardwood Flooring Co., 920 Dorman, Indianapolis, Ind.
Eaglesfield & Shepard, lbr. mfrs., Indianapolis, Ind.
Eagleton Bros., shoe counters, Lynn, Mass.
Eakins, J. S. & W. R., paint, 12 Wallabout, Brooklyn, N. Y.
Eakland, C. O., & Son, contrs. & bldrs., Wilton, Conn.
E. A. Laboratories, elec'l horns, 80 Broadway, Brooklyn, N. Y.
Eames, Alfred M., & Co., carriage wheels, Framingham, Mass.
Eames, C. S., & Co., cornices, Bridgeport, Conn.
Eames & Young, architects, Wright Bldg., St. Louis, Mo.
Eardley, Wm. F., & Bro., printing presses & machy., etc., 138 Centre, New York.
Eareckson, Wm. M., masons' & bldrs.' matls., 814 N. Stricker, Baltimore, Md.
Earhart, J. T., Brick Co., Louisville, Miss.
Earlhart, Chas., architect, Champaign, Ill.
Earl, Andrew, sash, door & blind mfrs., Hickory & Water, Columbus, Ohio.
Earl Auto. Wks., springs, windshields auto., Los Angeles, Cal.
Earl Cooperage Co., Earl, Ark
Earl, J. W., architect, Rochester, Pa.
Earl, Jno., sash, door & blind mfrs., Champlain, N. Y.
Earl, Launcelot M., Jr., architect, Idaho Falls, Idaho.
Earl, M. J., pads & tablets, Reading, Pa.
Earl, W. D., Co., horn buttons, celluloid combs, etc., Leominster, Mass.
Earle Bros., crude rubber, 66 Broad, New York.
Earle Brush Co., Columbia, Pa.
Earle & Co., colors, dyes, etc., 20 W. 3d, New York.
Earle, E. P., ores, minerals, metals, etc., 165 Broadway, New York.
Earle, Edw. E., cornices & skylights, Sacramento, Cal.
Earle Gear & Machine Co., machinery mfrs., Stenton & Wyoming av, Philadelphia, Pa.
Earle, H. S., Mfg. Co., hooks, Ford Bldg., Detroit, Mich.
Earle, J. M., Lbr. Co., 1159 Wabash, Detroit, Mich.
Earley, John H., brick, Nicetown La., Philadelphia, Pa.
Earley, Wm., combination & steam heaters, 1216 Ridge av, Philadelphia, Pa.
Earlham College, engng. schools & coll., Richmond, Ind.
Earlham Land Co., stone producers, Des Moines, Ia.
Earling, Johnson & Frake Co., contrs., Red Bank, N. J.
Earlington Mach. Wks., Earlington, Ky.
Earll, Chas. I., trolley catchers & retrievers, 11 B'way, New York.
Earlville Brick & Tile Mfg. Co., Earlville, Ill.
Early, Edw. E., Co., compounds, Canton, Ohio.
Early Fndry Co., Dicksen City, Pa.
Early Gas Engine Co., Williamsport, Pa.
Early, W. C., canned goods, Munford, Va.
Early W. J., & Sons, machsts. & fndrs., 812 Sarah, Pittsburgh, Pa.
Earp, Edwin, architect, 333 Union, Lynn, & Peabody, Mass.
Easiest Way Mfg. Co., clothes washing machines, Sandusky, Ohio.
Easley Cotton Mills, cotton sheetings, Easley, S. C.
Easley Oil Mill Co., meal, Easley, S. C.
Eason, Arthur N., architect, 228 Westlake, No. Seattle, Wash.
Eason, Wm. E., architect, 1036 Sharp av, Nashville, Tenn.
East Akron Machine Co., Akron, O.
East Arkansas Lumber Co., Paragould, Ark.
East Bangor Mfg. Co., hame clips, snap hooks, harness & hitching snaps, machsts. & fndrs., Bangor, Pa.
East Birmingham Iron Roofing Co., Birmingham, Ala.
East Brooklyn Box Co., East Brooklyn, Md.
East Carolina Lbr. Co., Newbern, N. C.
East Coast Hardware Co., hdwe. & bldrs.' supps., West Palm Beach, Fla.
East Coast Lumber Co., Watertown, Fla.
East Coast Lumber & Supply Co., Eau Gaille, Fla.
East End Brick Co., Louisville, Ky.
East Hamilton Tool Co., Hamilton, O.
East Hampton Bell Co., East Hampton, Conn.
East Hampton Lumber & Coal Co., masons' & bldrs.' matls., East Hampton, N. Y.
Easthampton Rubber Thread Co., Easthampton, Mass.
East Hartford Mfg. Co., paper pulp mill, Burnside, Conn.
East & Hobbs, contractors, Norfolk, Va.
East Hoquiam Shingle Co., lumber, Hoquiam, Wash.
East Iron & Machine Co., asphalt, paving, plant machinery, etc., 351 E. Market, Lima, Ohio.
East Jersey Pipe Corp., Boilers, cylinders, tanks, etc., Paterson, N. J.
East Jordan Furnace Co., blast, East Jordan, Mich.
East Jordan Lumber Co., maple flooring, East Jordan, Mich.
East Liverpool Brick Mfg. Co., East Liverpool, Ohio.
East Liverpool Potteries Co., East Liverpool, Ohio.
East Ohio Sewer Pipe Co., Irondale, Ohio.
East Oregon Lbr. Co., Enterprise, Ore.



East Pembroke Canning Co., East Pembroke, N. Y.
East Point Lumber Co., East Point, Ga.
East River Planing Mill Co., sash door & blind mfrs., Bay, Wis.
East Rochester Iron Wks., East Rochester, N. Y.
East St. Cloud Granite Co., St. Cloud, Minn.
East St. Louis Cotton Oil Co., East St. Louis, Ill.
East St. Louis Lbr. Co., 2022 State, East St. Louis, Ill.
East St. Louis Stone Co., East St. Louis, Ill.
East Shore Mach. Products Co., machsts., E. 140th & well av, Cleveland, Ohio.
East Side Boiler Works, Portland, Ore.
East Side Canning Co., Los Angeles, Cal.
East Side Copper Works, 353 E. 31st, New York.
East Side Fdg. Co., Bridgeport, Conn.
East Side Iron Works, 448 E. 167th, New York.
East Side Machine Co., Los Angeles, Cal.
East Side Mill & Lumber Co., Portland, Ore.
East Side Pckg. Co., meat packers, East St. Louis, Ill.
East Stroudsburg Lumber Co., East Stroudsburg, Pa.
East Tacoma Mfg. Co., sash, door & blind, Tacoma, Was
East Tennessee Packing Co., meat packers, Knoxville, T
East Tennessee Woodworking Co., Morristown, Tenn.
East Texas Fertz. Co., Tyler, Tex.
East Trenton Mach. Wks., Trenton, N. J.
East, Wm. J., architect, Asheville, N. C.
East Windsor Hill Brick Wks., East Windsor Hill, Conn
Eastburn, Chas. T., stone producers, Yardley, Pa.
Easterbrook, Wm., Jr., & Bro., cornices, steel hame Cherry, Philadelphia, Pa.
Easterday, Bros., brick & tile, Sparta, Ohio
Eastern Advtg. Co., advtg. spec., 8 W. 40th, New York.
Eastern Bedstead Co., Hoboken, N. J.
Eastern Bolt & Nut Co., E. Providence, Providence, R. I
Eastern Brass & Ingot Corp. of N. Y., Waterbury, Conn.
Eastern Brass & Wood Type Co., 71 4th av, New York.
Eastern Bridge & Structural Co., fabrication of steel for ings and bridges, 88 Cushing, Worcester, Mass. *See index at end of book.*
Eastern Burlap Bag Co., 95 Commerce, Hartford, Conn.
Eastern Casket Co., 421 W. Camden, Baltimore, Md.
Eastern Cement Co., masons' & bldrs.' matls., Bangor, Me
Eastern Chemical Co., feltilizer mfrs., 45 Union av, Mass.
Eastern Clay Goods Co., masons' & bldrs.' matls., 141 Boston, Mass.
Eastern Coal & Export Corp., mill & facty. supps., Richmo
Eastern Concrete Steel Co., D. S. Morgan Bldg., Buffalo,
Eastern Constr. Co., 110 W. 40th, New York.
Eastern Constr. Co., Woonsocket, R. I.
Eastern Cornices & Roofing Co., 9 Rutgers, New York.
Eastern Cotton Oil Co., Hertford, N. C.
Eastern Engineering & Construction Co., Derby, Conn.
Eastern Expanded Metal Co., concrete binder, 65 Fr Boston, Mass.
Eastern Felt Co., felt polishing wheels, rubbing, bu polishing sheet felt mfrs., Canal, Winchester, Ma
Eastern Handle Co., 36 Whittier, Boston, Mass.
Eastern Hardware & Supply Co., mill & facty. supps., Charles, Baltimore, Md.
Eastern Ky. Lbr. Co., Hitchins, Ky.
Eastern Lumber Co., Tonawanda, N. Y.
Eastern Machy. Co., brick machy., freight elev., etc Haven, Conn.
Eastern Machy. & Equipt. Co., Commercial Tr. Bldg., Phi
Eastern Mach. Screw Corp., screw mach. products, Tru Barclay, New Haven, Conn.
Eastern Malleable Iron Co., malleable iron & semi-stee ings & fndrs., Naugatuck, Conn.
Eastern Mfg. Co., paper & pulp mill, Bangor, Me. Sale 501 5th av, New York.
Eastern Marble & Granite Works, stone producers, 270 mond, Philadelphia, Pa.
Eastern Metal & Refining Co., Babbitt metal, 121 Bever ton, Mass.
Eastern Nail Co., cement coated wire, shoe & special wir mfrs., Providence, R. I.
Eastern Ohio Glass Co., window glass mfrs., Barnesville
Eastern Oil Tank Co., Lowell, Mass.
Eastern Papermakers Chemical Co., size, Watertown, N.
Eastern Parts Mfg. Co., stamping, springs, etc., 135 New York.
Eastern Pattern Wks., Detroit, Mich.
Eastern Penna. Supply Co., whol. hdwe., plumbers' suppl bers, mill & facty. supplies & masons' & bldrs. Wilkes-Barre, Pa.
Eastern Pin Ticket & Tag Co., Perkasie, Pa.
Eastern Plumbing Supply Co., Hartford, Conn.
Eastern R'way & Lumber Co., wood cross arms, Centralia
Eastern Range Boiler & Welding Co., expansion tanks, hocken, Pa.
Eastern Rubber Co., tire vulcanizers, 1529 Ridge, Phila.,
Eastern Salt Co., 186 State, Boston, Mass.
Eastern Shore Can Co., Hurlock, Md.
Eastern Signal & Supply Co., primary batteries, 30 New York.
Eastern Specialty Co., jewels, 3409 N. 13th, Philadelph

ern Spec. Mfg. Co., bathroom fixtures, rubber tank blubs & furnishings, Scranton, Pa.
ern Steel Casting Co., 30 Kemble, Boston, Mass.
ern Steel Co., Pottsville, Pa.
ern Supply Co., masons' & bldrs.' matls., Phila. rd & 8th, Baltimore, Md.
ern Supply Co., soaps & lubricating oils & greases, 2 Canterbury, Worcester, Mass.
ern Tablet Co., writing pads, Albany, N. Y.
ern Talc Co., 45 Milk, Boston, Mass.
ern Tanner's Glue Co., Gowanda, N. Y.
ern Testing Laboratories, Allentown, Pa.
ern Tool & Mach. Co., Inc., machsts., 452 E. 148th, New York.
ern Tool & Mfg. Co., machsts., Bloomfield av, Bloomfield, N. J.
ern Tube Tool Co., Inc., 594 Johnson av, Brooklyn, N. Y.
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ern & Western Lbr. Co., Portland, Ore.
ern Zinc Refining Co., spelter, 255 Russell, Brooklyn, N. Y.
hampton Fdry. Co., Easthampton, Mass.
hampton Rubber Thread Co., Easthampton, Mass.
ake Mfg. Co., auto. binding, silk fringes, Adams av & Leiper, Philadelphia, Pa.
ake Sheet Metal & Cornice Wks., Seattle, Wash.
han, C. E., architect, Observatory Bldg., Des Moines, Ia.
han, Chas. H., architect, Eitel bldg., Seattle, Wash.
han Co., canned goods, Fryeburg, Me.
han Cotton Mills, Eastman, Ga.
han, G. A., architect, Lewis Bldg., Portland, Ore.
han, Gardiner, & Co., lumber mfrs. & wholesalers, Laurel, Miss.
han, H. T., & Co., bldg. contrs. & archl. iron, East Cambridge, Mass.
han, J. N., & Co., canned goods, Casco, Me.
han Kodak Co., photo materials, Rochester, N. Y.
han Lumber Co., Platteville, Wis.
han Mach. Co., 779 Washington, Buffalo, N. Y.
han Mfg. Co., dolls' furniture, Union City, Pa.
han Oil Mills, meal—cottonseed, Jonestown, Miss.
han Plastic Relief Co., 23d & Dickson, St. Louis, Mo.
han, S. L., Flooring Co., Saginaw, Mich.
han, Sam'l Co., hose nozzle mfrs., machsts. & fndrs., East Concord, N. H.
hond & Co., crude rubber, cocoa mats, 82 Beaver, New York
n Brass & Mach. Wks., Easton, Pa.
n & Burnham Machine Co., pine, machsts. & fndrs., Pawtucket, R. I.
n Car & Construction Car Co., 198 Fulton, New York
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n Cypress Co., lbr. mfrs., Albany, N. Y.
n Lime Co., Easton, Pa.
n Mach. Co., case hardening, 24 Milk, Boston, Mass.
n Machinery Co., Easton, Pa.
n Packing Co., Easton, Md.
n Polishing Supply Co., plating supps., Easton, Pa.
n Printing & Mfg. Co., signs, cardboard, Dayton, Ohio.
n, Roland J., & Son, architects, Newport, R. I.
n, Thos. G., architect, New Kensington, Pa.
n, Vance & Co., contractors, Aberdeen, S. D.
ver Constrn. Co., 122 N. Genesee, Utica, N. Y.
ood, B. D., architect, 405 Praetorian Bl., Waco, Tex.
ood, Benj., Co., broad looms, & machsts. & fndrs., Paterson, N. J.
ood Chemical Co., Belleville, N. J.
ood-Park Co., silver nov., 102 Murray, Newark, N. J.
ood Wire Mfg. Co., wire mfrs., Belleville, N. J.
n Bros., brick, Colfax, Wash.
Fastener Co., Atlanta, Ga.
. A. A., architect, Ottumwa, Ia.
& Brownell, architects, Sherman Bldg., Watertown, N. Y.
Brown & Simpson, Inc., contrs., 90 West, New York
Builders' Supply Co., Niles, Ohio.
Chase Co., mill & facty. supplies & whol. hdwe., Norwich, onn.
Clark Co., soap mfrs., 28 Woodward av, Detroit, Mich.
Crane & Pike Co., paper & pulp mills, Pittsfield, Mass.
Dikeman Co., paper & pulp mills, Lee, Mass.
& Glover Co., machsts., Sayre, Pa.
Hardware Co., Brunswick, Me.
Harry H., machinist, Jennings, La.
H. F., & Sons, lbr. mfrs., Calais, Me.
& Hertz, blow cocks, Bowles Bldg., Detroit, Mich.
Hy. A., & Son, bobbins, Littleton, N. H.
J. C., & Co., brooms, cornices & skylights, Lydonville, Vt.
Jas. B., lbr., Bluffton, Ind.
John A., machy. dlrs., Bridgeport, Conn.
L., architect, 202 E. 18th, New York
Laboratories, chemists, 340 Sansome, San Fran., Cal.
Mach. Wks., 37 S. Scioto, Columbus, Ohio.
Rhodes & Co., pig iron & coke dlrs., 1st Nat. Bank Bldg., ncinnati, Ohio.
Schlaich & Woll, hair, bristles, 97 Maiden la, New York.
& Smith, contractors, 715 Ocean, San Francisco, Cal.
W. J., lbr. mfrs., Albany, N. Y.
W. R., Lumber Co., Lockwood, Mo.
& Wilson, mill & facty. supplies, New London, Conn.

Eatonton Oil & Fertilizer Co., Eatonton, Ga.
Eatonville Lumber Co., Eatonville, Wash.
Eau Claire Bedding Co., Eau Claire, Wis.
Eau Claire Book & Stationery Co., Eau Claire, Wis.
Eau Claire Mfg. Co., marine gas & gasoline engines, Eau Claire, Wis.
Eau Claire Trunk Co., Eau Claire, Wis.
Eavenson, J., & Sons, soap, Camden, N. J., & Philadelphia, Pa.
Eavey Packing Co., canned goods, Xenia, Ohio.
Ebbecke, M. C., Hardware Co., Allentown, Pa.
Ebe Lumber & Shingle Co., Elbe, Wash.
Ebeling, Arthur H., architect, 1106 W. 15th, Davenport, Ia.
Ebenreiter Lbr. Co., masons' & bldrs.' matls., Sheboygan, Wis.
Eberbach & Son Co., refractometers, Ann Arbor, Mich.
Eberhard, Geo., metal spinning, 9 Calander, Providence, R. I.
Eberhard Mfg. Co., saddlery, hdwe. mfrs., C. & P. Ry. & Tennyson rd, Cleveland, Ohio.
Eberhard & Splater, cooperage stock, Troy, Ind.
Eberhardt & Co., contrs. tents, Indianapolis, Ind.
Eberhardt, Henry W., architect & contr., Collinsville, Ill.
Eberhardt, Hugo, & Co., leaded glass, etc., 2411 W. 12th, Chicago, Ill.
Eberhardt Lumber Co., Salina, Kan.
Eberhardt Mach. Wks., mill & facty. supps., Fort Valley, Ga.
Eberhardt & Podgur, contractors, 505 5th av, New York.
Eberhart, J. P., & Co., oils & wax, 15 William, New York
Eberhart, M., & Son Co., mill & facty. supplies, 1462 1st av, New York.
Eberle Cornice Co., 4014 Laclede av, St. Louis, Mo.
Eberlee, T. J., cornices, Cattaraugus, N. Y.
Eberlin, Christ, & Son, cornices & skylights, Hermann, Mo.
Eberling Machy. Co., 1319 Williamson Bldg., Cleveland, Ohio.
Eberly & Orris Mfg. Co., wagon & carriage materials, Mechanicsburg, Pa.
Eberson, Lindsey, Paint Co., 1832 Morgan, St. Louis, Mo.
Ebert, Norris, cement importers, 119 S. 4th, Philadelphia, Pa.
Ebert Tractor Co., 30 N. La Salle, Chicago, Ill.
Eberts Bros. Co., masons' & bldrs.' matls., Wyandotte, Mich.
Ebinger, D. A., Sanitary Mfg. Co., sanitary earthenware, 181 Lucas, Columbus, Ohio.
Eble, Chas., cornices, 1907 Vine, Cincinnati, Ohio.
Ebling, John D., stone, Myerstown, Pa.
Ebling, L. Allen, architect, 52 Vanderbilt av, New York
Ebstein Bros., twist drills, 127 Duane, New York.
Eby, Amos, & Co., fertilizer mfrs., Leaman Place, Pa.
Eby, H. H., Mfg. Co., screw mach. products & elec. spec., S. W. cor. 13th & Wallace, Phila., Pa. *See adv index at end of book*
Eby Machinery Co., 35 Main, San Francisco, Cal., & 438 E. 3rd, Los Angeles, Cal.
Eccles, John L., Co., htg. contrs., 1 W. 4th, New York.
Eccles Lumber Co., Ogden, Utah.
Eccles, Richard Co., vehicle special forgings, etc., Auburn, N. Y.
Eccles & Smith Co., machy. mill & factory supps., etc., 71 1st, San Francisco, Cal.
Eccles, W. H., Lumber Co., Austin, Ore.
Eccleston, Chas. P., contractor, Westerly, R. I.
Eccleston Machy. Co., ball mills, milling, mining & smelting machy., Los Angeles, Cal.
Echota Cotton Mills, Calhoun, Ga.
Eck Dynamo & Motor Co., Belleville, N. J.
Eckam, Arthur G., umbrella mfrs., Rochester, N. Y.
Eckart, Fred, Packing Co., meat packers, Ft. Wayne, Ind.
Eckart Plumbing & Heating Co., Seattle, Wash.
Eckbold's, Wm., Sons, machy. dealers, Aramingo & Girard av, Philadelphia, Pa.
Eckel & Aldrich, architects, Corby-Forsee Bldg., St. Joseph, Mo.
Eckels-Nye Steel Co., rolling mills, high carbon steel & steel bars, Syracuse, N. Y.
Eckenrode Bros., contractors, Wilkes-Barre, Pa.
Eckenroth, F., & Son, lbr., 921 E. 5th, New York.
Eckerman, Oscar A., architect, Moline, Ill.
Eckerson Bedding Co., Mechanicville, N. Y.
Eckert, John A., packing box mfrs., 314 Pearl, New York, & 54 Hopkins, Brooklyn, N. Y.
Eckert Knitting Co., 923 20th av, N., Minneapolis, Minn.
Eckerts, John, Sons, cornices & skylights, Madison, Ind.
Eckhardt Mfg. Co., agricultural implements, 2300 University av, W., St. Paul, Minn.
Eckhardt Monumental Co., Toledo, Ohio.
Eckhart, A. J., Co., broom mfrs., W. 74th, Madison, Cleveland, O.
Eckhart Carriage Co., Auburn, Ind.
Eckland, Hy., architect, Moline, Ill.
Eckliff Automatic Boiler Circulator Co., 48 Shelby, Detroit, Mich.
Eckland, Fugard & Knapp, architects, 111 W. Monroe, Chicago, & Moline, Ill.
Eclat Mfg. Co., furniture polish, 3425 State, Chicago, Ill.
Eclat Rubber Co., Cuyahoga Falls, Ohio
Eckler, Henry, Mfg. Co., masons' & bldrs.' matls., & contrs., South Bend, Ind.
Eckles, W. G., architect, New Castle, Pa.
Ecklund, Fugard & Knapp, architects, Sterling, Ill.
Eckman, Chas. H., architect, Marshalltown, Ia.
Eckman Furniture Co., desk mfrs., Jamestown, N. Y.
Eckstorm, Christian A., architect, 5 N. La Salle, Chicago, Ill.
Eclipse Air Brush Co., 79 Orange, Newark, N. J.

Eclipse Brass Fdry. Co., Dayton, Ohio.
Eclipse Cement & Blacking Co., metal polish, 1240 Belmont av, Philadelphia, Pa.
Eclipse Co., bars, hangers, etc., North Girard, Pa.
Eclipse Elec. Mfg. Co., portables, St. Paul, Minn.
Eclipse Fuel Engineering Co., 100 Forbes, Rockford, Ill.
Eclipse Gas Stove Co., Rockford, Ill.
Eclipse Lawn Mower Co., Prophetstown, Ill.
Eclipse Light Co., 583 B'way, New York.
Eclipse Machine Co., bicycle coaster brakes, auto & tractor starters, aeroplane & bicycle hubs, Elmira, N. Y.
Eclipse Mach. Co., power vacuum cleaners & paper folding machines, Sidney, Ohio
Eclipse Mach. Mfg. Co., concrete bldg. block mchy., Kendallville, Ind.
Eclipse Machine Tool Co., 7 Sherman, Charlestown, Mass.
Eclipse Mfg. Co., agrlt. implts. & steel structural wk., Hope, Ark.
Eclipse Mfg. Co., automobile accessories, spark plugs, etc., Indianapolis, Ind.
Eclipse Mfg. Co., bolt and screw cases, Wellston, Ohio.
Eclipse Metal Mfg. Co., stove pipe mfrs., Eden, N. Y.
Eclipse Mill Crayon Co., Lowell, Mass.
Eclipse Mill Co., lumber, Everett, Wash.
Eclipse Paint & Mfg. Co., 6408 Euclid, Cleveland, Ohio.
Eclipse Pulley Covering Co., 2028 W. Lake, Chicago, Ill.
Eclipse Railway Supply Co., car fenders & wheel guards, 4824 Payne av, Cleveland, Ohio.
Eclipse Sign & Advertising Co., Reading, Pa.
Eclipse Stove Co., Mansfield, Ohio.
Eclipse Tanning Co., 119 Sussex av, Newark, N. J.
Eclipse Valve Grinder Co., 1230 Lydia av, Kansas City, Mo.
Eclipse Wall Plaster Co., masons' & bldrs.' matl., Waynesboro, Pa.
Eclipse Wood Pulley Co., Berlin, Pa.
Eco Clock Co., electric & portable watchman's clock mfrs., 197 Congress, Boston, Mass.
Eco Mfg. Co., piston rings, Exchange Bldg., Boston, Mass.
Ecob, Robt. Gilbert, architect, 299 Madison av, New York.
Econometer Co., fabric measuring & price computing machs., Pontiac bldg., St. Louis, Mo.
Economic Machinery Co., labeling machy., Worcester, Mass.
Economical Elec. Lamp Wks. of G. E. Co., 25 W. Broadway, New York.
Economy Advtg. Co., glass signs, Centralia, Ill.
Economy Baler Co., machsts., Ann Arbor, Mich.
Economy Boiler Compound Co., Flatiron Bldg., New York.
Economy Box & Pie Plate Co., paper dishes, plates, etc., Marion, Ind.
Economy Concrete Co., laundry trays, 997 Dixwell, New Haven, Conn.
Economy Construction Co., 318 W. 10th, Kansas City, Mo.
Economy Drawing Table & Mfg. Co., Adrain, Mich.
Economy Elec. Co., sadirons, 211 Fulton, Brooklyn, N. Y.
Economy Elec'l Spec. Co., conduit benders & junction boxes, 2857 S. Halsted, Chicago, Ill.
Economy Engn'g Co., portable elevators & tiering mach., 415 So. Washtenaw av, Chicago, Ill.
Economy Engn'g Co, electric hoists, Willoughby, Ohio.
Economy Excavator Co., machines, Iowa Falls, Ia.
Economy Faucet Co., steam water heaters, 86 Weybosset, Providence, R. I.
Economy Furnace Co., Chicopee, Mass.
Economy Fuse & Mfg. Co., Greenview av. at Diversey pkway, Chicago, Ill. *See adv index at end of book*
Economy Gas Lamp Co., 213 Goodrich, Kansas City, Mo.
Economy Gas Mach. Co., Rochester, N. Y.
Economy Glove Co., Ft. Wayne, Ind.
Economy Hang-Up Soap Co., 180 N. Dearborn, Chicago, Ill.
Economy Heater Co., automatic water heaters and boilers, gas heating, 108 So. La Salle, Chicago, Ill.
Economy Iron Works, feed water purifiers, Chester, Pa.
Economy Lubrg. Co., Dorrance & Temple, Charlestown 29, Boston, Mass.
Economy Machinery Co., dealers, 428 E. Pearl, Cincinnati, Ohio.
Economy Mfg. Co., tool chests, 508 Commerce, Philadelphia, Pa.
Economy Metal Edge Box Co., 500 S. Peoria, Chicago, Ill.
Economy Mills, cotton & woolen waste, 2322 22d, Oakland, Cal.
Economy Pottery Co., Trenton, N. J.
Economy Pumping Mach'y Co., 122 Curtis, Chicago, Ill.
Economy Seat Co., Inc., upholstered chair seats, 3132 S. Canal, Chicago, Ill.
Economy Separable Switch Point Co., Louisville, Ky.
Economy Silo & Mfg. Co., Frederick, Md.
Economy Stay Co., handles, bags, Jefferson City, Mo.
Economy Stove Co., 2108 Superior, Cleveland, Ohio.
Economy Switchbox & Mfg. Co., Cleveland, Ohio.
Economy Toggle Co., 21 Storer, Boston, Mass.
Economy Tool Holder Co., 103 Park av., New York
Economy Tumbler Co., glass, Morgantown, W. Va.
Economy Vapor Heating Co., vacuum valves, Merchants' National Bank Bldg., Omaha, Neb.
Economy Welding Mach. Co., Kansas City, Mo.
Economy Wiping Materials Co., waste, 100 10th av, New York.
Ecorse Fdry. & Mach. Co., Ecorse, Mich.
Edbrooke, H. W. J., architect, Opera House blk., Denver, Colo.



Eddleman, Wm. H., & Sons, contractors, 453 Green La Philadelphia, Pa.
Eddy Brass Fndry. & Mach. Co., 301 N. Halsted, Chicago
Eddy Bros. & Co., lbr. mfrs., Bay City, Mich.
Eddy, C. F., Co., masons' & bldrs.' matls., West Newton,
Eddy, C. K., & Sons, lbr. mfrs., Saginaw, Mich.
Eddy Co., razor strops, Worcester, Mass.
Eddy, D., & Sons Co., refrigerators, 326 Adams, Boston,
Eddy, E. A., Machy. Co., mill & facty. supps., 211 Eddy, dence, R. I.
Eddy & Eddy, starch, Main & Market, St. Louis, Mo.
Eddy Eng'ng Co., Alpena, Mich.
Eddy, F. W., contractor, Wilkes-Barre, Pa.
Eddy, Geo. W., Co., wholesale hardware, Syracuse, N. Y.
Eddy Lbr. Co., Lake Linden, Mich.
Eddy Paper Co., Three Rivers, Mich.
Eddy, R. M., Fndry Co., 372 W. Grand av, Chicago, Ill.
Eddy Valve Co., fire hydrants, valves, etc., Waterford, N.
Eddy, W., Plow Co., Greenwich, N. Y.
Eddy's, Titus, Son., lamp black mfr., Troy, N. Y.
Eddystone Mfg. Co., machsts. & fndrs., Eddystone, Pa.
Ede, G. A., machsts. & fdrs., Cobden, Ill.
Edelman & Barnett, architects, 356 S. Spring, Los Angeles,
Edelmann, E., & Co., automobile accessories mfrs., 341 E. Chicago, Ill.
Edelstein, Carl, scrap brass, 279 Front, New York.
Edelstone, Wm. W., mill & facty. supps., 25 Thorndike, Cowbridge, Mass.
Eden, John, contractor, Attleboro, Mass.
Ederer, R. J., Co., cotton rope, fish nets, etc., 341 W. Ohio, cago, Ill.
Ederer, R. J., Thread Co., Elizabeth & Unity, Philadelphia
Edes Mfg. Co., battery coppers, plates & zinc rods, Plym Mass.
Edgar Bros. Co., clay, miners & shippers, Metuchen, N. J
Edgar & Campbell, cornices & skylights, Seattle, Wash.
Edgar Canning Co., Edgar, Nebr.
Edgar, Chas. S., masons' & bldrs.' matls., Metuchen, N. J
Edgar Lumber Co., Wesson, Ark.
Edgar Mfg. Co., nutmeg graters, Reading, Mass.
Edgar Plastic Kaolin Co., Metuchen, N. J.
Edgar Steel Seal & Mfg. Co., Lawrence, Kans.
Edgar Zinc Co., Boatmen's Bk. Bldg., St. Louis, Mo.
Edge, Benj. F., sash, door & blind mfrs., Grand Rapids, Mic
Edge-Dowling Lbr. Co., Groveland, Fla.
Edge & Edwards Machy. Co., filing machines, 53 Gray, Ne N. J.
Edge, Frank, & Co., machsts., Grand Rapids, Mich.
Edge Hill Silica Rock Co., cupola linings or blocks, Brunswick, N. J.
Edge Moor Iron Co., Edge Moor, Del.
E. D. Gear Mfg. Co., Inc., wagon gears, Westfield, N. Y.
Edgecomb, W. H., & Sons, lumber, Knoxville, Pa.
Edgecombe Co., pipe joint compound, Cuyahoga Falls, Ohi
Edgecumbe, J. C., & Co., packing mfrs., 149 Broadway, York.
Edgecumbe-Parks Co., poles, Benton Harbor, Mich.
Edgemont Machine Co., friction clutches, etc., Dayton, Oh
Edgerton Mfg. Co., coal baskets, Plymouth, Ind.
Edgerton, William S., architect, 234 Lark, Albany, N. Y.
Edgett-Burnham Co., canned goods, Newark, N. Y.
Edgett & Ellis Co., lumber, Somerset, Ky.
Edgett & Patterson, contractors, Carbondale, Pa.
Edgewater Coal Co., Syracuse, N. Y.
Edgewater Sawmills Co., Tompkinsville, N. Y.
Edgewater Steel Co., car castings, etc., Edgewater Sta. & R. R., Pittsburgh, Pa.
Edgeworth, Jas. J., stone, 2701 Stewart av, Chicago, Ill.
Edginton, Walter, pearl buttons, 210 Vine, Philadelphia,
Edible Products Co., cocoanut oil, 120 Broadway, New Yo
Edinburg Milling Co., flour, Edinburg, Va.
Edinger, Ed. Co., contractors & stone producers, Cedar Ra Ia.
Edington Bros., cornices & skylights, Harriman, Tenn.
Edison Elec. Appliance Co., Inc., ranges, cooking app., etc., W. Taylor, Chicago, Ill.
Edison Elec. Illuminating Co., of Brooklyn, 360 Pearl, lyn. N. Y.
Edison International Corpn., xylol, 165 B'way, New York.
Edison, J. D., fertilizer mfrs., Johnston, S. C.
Edison Lamp Wks. of G. E. Co., x-ray app., Sussex, Har N. J.
Edison Phonograph Wks., machsts., Orange, N. J.
Edison Portland Cement Co., Stewartsville, N. J.
Edison Storage Battery Co., Orange, N. J.
Edison, Thos. A., machsts., Orange, N. J.
Edisto River Lbr. Co., Embree, S. C.
Edlin, S. H., & Co., machsts., Indianapolis, Ind.
Edlund Machy. Co., Inc., drilling machine, Cortland, N.
Edmands, Arthur B., Co., mill & facty. supplies, Slate Pawtucket, R. I.
Edmands, Walter S., elec. light baths, 134 Congress, B Mass.
Edmonds Elev. Co., 519 Champlain av, Cleveland, Ohio.
Edmonds, F. E., cornices, Springfield, Ill.
Edmonds, J. Wesley, & Son, metal polish, 212 West, New
Edmonds, Thos. C., & Co., plate glass, 1826 Park av, New

monds, W. A., & Co., brass castings, Norfolk, Va.
mondson, R. Q., & Bro., fertilizer mfrs., Eufaula, Ala.
monston, Sam'l H., Co., contractors, 611 G, N. W., Washington, D. C.
munds, Franklin D., architect, Real Est. Tr. Bldg., Phila., Pa.
munds, Jas. R., Jr., architect, 12 E. Read, Baltimore, Md.
munds & Jones Corp., auto. lamps & whistles, 436 Lawton, Detroit, Mich.
munds Mfg. Co., interior hardwood wk., 1220 S. Robey, Chicago, Ill.
munds, W. C., & Co., whol. hdwe., 34 Charles, Baltimore, Md.
na Brass Mfg. Co., Cincinnati, Ohio.
na Cotton Mills, Reidsville, N. C.
son, Gilbert, architect, Connell Bldg., Scranton, Pa.
son Mfg. Co., diaphragm pumps, marine steering gears & bottle filling machines, mfrs., 257 Atlantic av, Boston, Mass.
son, Wyman L., agricultural implts., creamery testers, etc., Union Center, N. Y.
strand & Olson, plating wks., 159 N. Jefferson, Chicago, Ill.
bauer, E., automatic weighing machs., 817 Washington blvd., Chicago, Ill.
ucational Exhibition Co., 26 Custom House, Providence, R. I.
ucational Film Corp., wood fillers, 729 7th av, New York.
vard Bros., sea green rfg. slate, Granville, N. Y.
vard Valve & Mfg. Co., Edison Bldg., Chicago, Ill.
vards, B. W., & Sons, lumber mfrs., 17 S. Gay, Baltimore, Md.
vards & Bradford Lbr. Co., Elk, Wash.
vards Bros., sealing wax, Milton, Mass.
vards, C. D., agricultural implements, Albert Lea, Minn.
vards, C. J., Co., masons' & bldrs.' matls., Vicksburg, Miss.
vards & Chamberlain Hardware Co., whol. hdwe., Kalamazoo, Mich.
vards, Chas., architect, 129 Market, Paterson, N. J.
vards & Co., electrical specialties manfrs., Exterior & 140th, New York.
vards & Co., masons' & bldrs.' matls., Kingston, Pa.
vards, E. A., & Co., stone producers, Denver, Colo.
vards, E. L., Lbr. Co., Dayton, Ohio.
vards, E. Nelson, architect, 1012 Walnut, Phila., Pa.
vards, Edwd. T., iron & steel trolley mills, Columbia, Pa.
ards Engng. Co., architects, 18 S. 7th, Phila., Pa.
vards & Edwards, scythe snaths, Waterbury, Vt.
vards Folding Box Co., 27 N. 6th, Philadelphia, Pa.
vards Furnace Co., Wellsboro, Pa.
ards, G. B., Lumber Co., Bessemer, Ala.
ards, Geo. B., cornices, Mendota, Ill.
ards, H. B., masons' & bldrs.' matls., Titusville, Pa.
ards, H. D., & Co., mill, facty. & steam fitters' supplies, 16 Woodward av, Detroit, Mich.
ards Instrument Co., 966½ Ft. Wayne av, Indianapolis, Ind.
ards, J. R., & Co., contractors, Pottsville, Pa.
ards, Jas., pearl buttons, Newark, N. J.
ards, John H., stone, 5837 Justine, Chicago, Ill.
ards, Jos., & Co., steam pumps, 827 E. 9th, New York.
ards, L. T., consulting htg. engineers, 18th S. 7th, Phila., Pa.
ards Lighting Fixture Co., 20 E. Lake, Chicago, Ill.
ards Metal Structure Co., metal lath, Kansas City, Mo.
ards Mfg. Co., cotton sheetings, Augusta, Me.
ards Mfg. Co., machinists & founders, Laceyville, Pa.
ards Mfg. Co., metal ceilings, shingle, tile, 545-565 Eggleston av, Cincinnati, Ohio. *See adv index at end of book*
ards Mfg. Co., washing machs., Honey Creek, Ind.
ards & Monohan Co., contractors, 6 Beacon, Boston, Mass.
ards Motor C., kerosene engines, Springfield, Ohio
ards, O. D., masons' & bldrs.' matls., Ithaca, N. Y.
rds, O. M., Co., Inc., filing cabinets & railway sash fixtures, Syracuse, N. Y.
ards, R. M., cornices, Los Angeles, Cal.
rds, Robert C., architect, 579 Westfield av, Elizabeth, N. J.
rds, Thos. M., architect, 833 Market, San Francisco, Cal.
rds Vitrified Brick Co., sewer pipe, Albion, Ill.
rds, Sayward & Leitner, architect, Chamber of Commerce Bldg., Atlanta, Ga.
rds, W. F., & Co., contractors, Orange, N. J.
rds, W. G., machinist, Plainview, Minn.
rds, W. Harry, architect, Denham Bldg., Denver, Colo.
rds, W. J., architect, Grand Forks, N. D.
rds & Walker Co., whol. hdwe., mill & facty. supplies, Portland, Me.
rds & Wildey Co., contrs., Black Bldg., Los Angeles, Cal.
rds, Wm., contractor, Ridgway, Pa.
rds X-Ray Mfg. Co., 111 New Jersey, Indianapolis, Ind.
rdsville Brass Co., machsts. & fndrs., Edwardsville, Ill.
s & Edwins, architects, N. W. Bldg., Minneapolis, Minn.
, Wm. R., sheet metal stampings, 140 Sullivan, New York.
& Mott Co., carriage & wholesale hdwe., Oneida, N. Y.
Co., manicure sets, traveling bags, etc., 306 S. Franklin, hicago, Ill.
ing, T. G., contractor, Dubuque, Ia.
& Gerisch, stone producers, West New York, N. J.
ncy Device Corpn., efficiency dogs & pipe wrenches, 199 h, Long Island City, N. Y.
ncy Elec. Co., cable rocks & fixture hangers, E. Palestine, Ohio.
ncy Oil Corp, 1716 B'way, New York.
ncy Oil Corp., 2100 Kienlenar, St. Louis, Mo.
nt Contrs., Inc., open hearth furnaces, Perth Amboy, N. J.

Efland Milling Co., flour, Efland, N. C.
Efron, Jacob, steam fitters' supplies, 233 Broome, New York.
Egan & Co., contractors, 133 W. Washington, Chicago, Ill.
Egan, Martin J., 490 S. 13th, Newark, N. J.
Egan, K. Francis X., Corp., cotton waste, 20-22 Bergen, Brooklyn, N. Y.
Egan, Thos., contractor, New Orleans, La.
Egan, Thos. J., contractor, Greenwich, Conn., & 1721 Bluff, Pittsburgh, Pa.
Egan, Thos. P., contractor, Coxtan Bldg., Cleveland, Ohio.
Egan Waste Co., 19 Burling, New York.
Egbers, Geo. H., & Bro., iron, 228 E. 7th, Cincinnati, Ohio.
Egbert, W. V., & Co., plumbers' supplies—jobbers, 35 Mechanic, Newark, N. J.
Egdorf, John, stone, 1227 Otto, Chicago, Ill.
Egg Harbor Brick Mfg. Co., Egg Harbor City, N. J.
Eggan, Fred. J., mill & facty. supplies, Ishpeming, Mich.
Eggers, Chas. F., & Co., contractors, Uniontown, Pa.
Eggers, Fred, Veneer Seating Co., Two Rivers, Wis.
Eggers & Heinlein, crude rubber, 59 Pearl, New York.
Eggers, Jno., Iron Wks., 219 N. Elizabeth, Chicago, Ill.
Eggers Milling Co., flour, Hermann, Mo.
Eggers, Wm. J., & Sons, rubber molds, 294 Taaffe pl, Brooklyn, N. Y.
Eggerss-O'Flying Co., boxes, trunks, Omaha, Neb.
Eggert, Chas., masons' & bldrs.' matls., North Milwaukee, Wis.
Eggert, G. S., lbr. mfrs., Getchell, Wash.
Egginton, O. F., Co., cut glassware, Corning, N. Y.
Egle Bros., Mfg. Co., china kilns, 169 Sylvester, Detroit, Mich.
Egry Register Co., Dayton, Ohio.
Egypt Canning Co., Fairport, N. Y.
Egyptian Chemical Co., disinfectants, 255 Atlantic av, Boston, Mass.
Egyptian Iron Wks., mine cars, cages, etc., Murphysboro, Ill.
Egyptian Laquer Mfg. Co., 23 Liberty, New York
Egyptian Lumber Co., St. Louis, Mo.
Egyptian Powder Co., East Alton, Ill.
Ehlers, A., architect, Carthage, Mo.
Ehlers, Robt. J., Co., refrigerators, furniture, 110 W. 40th, New York.
Ehlers, Wm. H., architect, Catonsville, Md.
Ehlert Hdwe. Co., 209 3d, Milwaukee, Wis.
Ehman Tire & Rubber Co., 176 N. Michigan, Chicago, Ill.
Ehmann Olive Co., canned, Oroville, Cal.
Ehren Pine Co., Ehrin, Fla.
Ehrensperger, J. J., machsts. & fndrs., Cullman, Ala.
Ehret Magnesia Mfg. Co., Land Title Bldg., Philadelphia, Pa.
Ehret Roofing & Mfg. Co., Drexel Bldg., Phila., Pa.
Ehrhart, Louis, & Son, sash, door & blind mfrs., 2415 Fullerton av, Chicago, Ill.
Ehrlich, A. B., & Co., scrap iron, Springfield, Mass.
Ehrlich, Mrs. F., knitted gloves, 1211 Arch, Philadelphia, Pa.
Ehrlich, H., & Sons Mfg. Co., bk. & store fixtures, refrigerators, cold storage doors, etc., St. Joseph, Mo.
Erman Mfg. Co., celluloid signs, 170 Summer, Boston, Mass.
Ehrmann & Bablsen, carbon & cortz, 2 Maiden la, New York.
Ehrmann & Co., meat packers, Terre Haute, Ind.
Ehrmann, Ludwig, color mfrs. & imptrs., 288 Bowery, New York.
Ehrsam, Fred, architect, 922 Reading, Reading, Pa.
Ehrsam, J. B., & Sons Mfg. Co., mill & facty. supplies, Enterprise, Kans.
Eichberg & Lang, cornices, Memphis, Tenn.
Eichberg S., Milton, architect, 64 W. Randolph, Chicago, Ill.
Eichel, Jas., machsts., 381 Broome, New York.
Eichelberger's, T. D., Sons, masons' & bldrs.' matls., Dayton, O.
Eichenbusch, J. W., Co., bags & suit cases, 120 Ann, Chicago, Ill.
Eichenfeld, Daniel, architect, Tulsa, Okla.
Eichholtz, Geo. W., & Son, lbr. mfrs., Indianapolis, Ind.
Eichnorn, Augustus, architect, 81 Essex, Orange, N. J.
Eichleay, John, Jr., Co., contractors, Pittsburgh, Pa.
Eichman, J. C., Mfg. Co., plumbers' supplies, mfrs., Bush & Wicomico, Baltimore, Md.
Eichmann, Robt. W., contractor, 234 Summit av, Jersey City, N. J.
Eichorn, Mrs. Ludwig, cornices, New Orleans, La.
Eickoff, O. S., architect, Spring Valley, N. Y.
Eid, L., Concrete Steel Co., 1206 Liberty, Cincinnati, Ohio.
Eidel, Bernhard H., mill & facty. supps., 445 Canal, New York.
Eidlitz, Marc, & Son, contractors, 30 E. 42d, New York.
Eidlitz & Ross, steel structural wk., 110 W. 40th, New York.
Eielson, A., lbr. mfrs., Springfield, Ill.
Eifert, Hy. F., auto. & furn. binding, 42 Union sq., New York.
Eifert, J. & F., lbr., 199 Ave. D, New York.
Eifert, Paul, auto. trunks, Grand Rapids, Mich.
Eifert & Stochr, organs, 920 2d av, Long Island City, N. Y.
Eifler, Chris., organs, Darby, Pa.
Eilenberger, C. W., architect, Bloomfield, N. J.
Eilers, Henry, contractor, Burlington, Ia.
Eimer & Amend, chemicals, chemical apparatus, etc., 205 3d av, New York.
Einsiedel, Julius, brick, Egg Harbor City, N. J.
Einsweller, C. W., masons' & bldrs.' matls., Utica, Ohio.
Eisaman & Richer, lumber, Peru, Ind.
Eisbach, Peter, contractor, Dubuque, Ia.
Eiselt, Heinrich E., archt., 60 E. Broad, Columbus, Ohio

Eiseman, G. Chas., cornices, Houston, Tex.
Eisemann, John Ed., cornices & skylights, Houston, Tex.
Eisemann Magneto Corpn., 32 23rd, Brooklyn, N. Y.
Eisen & Son, architects, Wilcox Bldg., Los Angeles, Cal.
Eisenberg Bros., arch'l iron, 438 E. 10th, New York.
Eisenberg, M. & Son, fireplace furnishings, mfrs., 165 Grand, New York.
Eisenberg, S., architect, Chelsea, Mass.
Eisenbiegler, Wm., architect, 661 Springfield av, Newark, N. J.
Eisenbrandt, F. B., machinist, ft. of Light, Baltimore, Md.
Eisendrath Glove Co., leather gloves, Armitage & Elston, Chicago, Ill.
Eisendrath, Simon B., architect, 18 E. 41st, New York
Eisenla, Frederic W., architect, 186 Remsen, Brooklyn, N. Y.
Eisenman, Chas E., contr., 154 Linwood av, Bridgeport, Conn.
Eisenmann, John, architect, The Arcade, Cleveland, Ohio.
Eisemann, S. J., ironing boards, 369 Broadway, New York.
Eisenmayer Milling Co., flour, Springfield, Mo.
Eisenmenger, L., Meat Co., St. Paul, Minn.
Eisenstadt, Wm., soap, 1615 W. 42d, Chicago, Ill.
Eisenstark & Lipshitz, advtg. nov., 297 Mercer, New York.
Eisinger, L. W., architect, 52 Vanderbilt av, New York.
Eisler, Anthony & Co., paper clips, gummed labels, tags, tickets, etc., 227 Canal, New York.
Eisler Mfg. Co., spec. machy. & stamping works, Rochester, N. Y.
Eismann Magneto Co., spark plugs, 32 33d, Brooklyn, N. Y.
Eisner Bros. & Birenberg, archl. iron, 51 E. 110th, New York.
Eissler, J. Fred, carriages, Fostoria, Ohio.
Eiswerth Co., sash, door & blind, Williamsport, Pa.
Eitel, H. C., masons' & bldrs.' matls., Elberton, Wash.
Eizner & Anderson, architects, Citizens' National Bank Bldg., Cincinnati, Ohio.
Ekle, A. R., stone producers, Mankato, Minn.
Ekroth Piano Co., Rockford, Ill.
Ekstrand, Oscar, & Co., contractors, Evanston, Ill.
Ela, M. T., lbr., Warner, N. H.
Elaborated Ready Roofing Co., 4417 Wentworth av, Chicago, Ill.
Elam, Thos., & Son, contractors, 180 Jessie, San Francisco, Cal.
El Arco Radiators Co., airplane radiators, 252 W. 64th, New York.
Elastic Compound Paint Co., 5131 Kershaw, Phila., Pa.
Elastic Tip Co., small molded rubber goods, mfrs., 370 Atlantic av, Boston, Mass.
Elastoid Fibre Co., paper tubes & paper sleeves, Waltham, Mass.
Elaterite Paint & Mfg. Co., Des Moines, Ia.
Elba Mfg. Co., cottonseed meal, Charlotte, N. C.
Elba Products Co., canned goods, Batavia, N. Y.
Elbe File & Binder Co., 97 Reade, New York.
Elbel Co., machinists & founders, Canton, Ohio.
Elbert & Co., oil importers, 71 Wall, New York.
Elbert County Fertilizer Co., Elberton, Ga.
Elberton Brick Co., Elberton, Ga.
Elberton Granite Corp., Elberton, Ga.
Elberton Guano Co., Elberton, Ga.
Elberton Machine Works, Elberton, Ga.
Elberton Oil Mills, Atlanta, Ga.
Elboeuf Knitting Co., bathing suit mfrs., Utica, N. Y.
Elbridge Engine Co., gas engines, 109 Sibley Block, Rochester, N. Y.
Elcessor, Andrew, tubular boilers, Marietta, Ohio.
Elco Co., ship builders, Bayonne, N. J.
Elco Works, The, machsts., Bayonne, N. J.
Elcock & Sons, granite, W. Quincy, Quincy, Mass.
El Comercio, trade publication, 114 Liberty, New York.
Elden, T. G., bolt, nut & rivet mfr., 115 Sycamore, Cincinnati, O.
Elder Bros., contractors, San Antonio, Tex.
Elder-Conroy Hardware Co., Clarksville, Tenn.
Elder & Henry, founders, Columbus, O.
Elder, Hiram, architect, Marion, Ind.
Elder, J. E., Hardware Co., Clarksville, Tenn.
Elder, Jas., cordage mfrs., 230 W. Coulter, Germantown, Philadelphia, Pa.
Elder Mercantile Co., cornices & skylights, Ottawa, Kan.
Elder Paving & Contrg. Co., Montebello av, Baltimore, Md.
Elder, Robert L., contractor, 219 N. Delaware, Indianapolis, Ind.
Elder, W. F., Lumber Co., Macon, Ga.
Elderfield-Hartshorn Hardware Co., Niagara Falls, N. Y.
Eldora Pipe & Tile Co., Eldora, Ia.
Eldorado Brick Co., Eldorado, Ill.
Eldorado Foundry & Mach. Co., Eldorado, Ark.
Eldorado Lumber Co., Eldorado, Ark.
Eldorado Oil Mill & Fertilizer Co., Eldorado, Ark.
El Dorado Oil Works, 433 California, San Francisco, Cal.
Eldorado Packing Co., canners, Eldorado, Md.
El Dorado Sawmill Co., El Dorado, Ark.
Eldred, Anson, Co., paper & pulp mills, Stiles, Wis.
Eldred Mfg. Co., cigar lighters, 46 W. Kinzie, Chicago, Ill.
Eldred, Williard H., harness mfrs., Battle Creek, Mich.
Eldred Window Glass Co., Punxsutawney, Pa.
Eldredge Electric Mfg. Co., machinists, Springfield, Mass.
Eldridge Bros., sash, door & blind mfrs., Dexter, Me.
Eldridge, C. W., architect, Cutler Bldg., Rochester, N. Y.
Eldridge, Geo. G., machinist & founder, Des Moines, Ia.
Eldridge, T. H., fertilizer mfrs., Norwich, Conn.
Eldt, Geo. M., soap, Tiffin, Ohio.
Electra Lightning Rod Co., Cresco, Ia.
Electric Accumulator Co., rectifiers, 811 Penna., Pittsburgh, Pa.

**Elec. Alkaline Co., "Clorox" disinfectant, East Oakland, Cal.**
Elec. Alloy Steel Co., Youngstown, Ohio
Elec. Apparatus Co., mail boxes, 127 S. Green, Chicago, Ill.
Elec. Appliance Co., Burlington, Kan.
Elec. Appliance Co., automotive hdwe., 416 Canal, New Orlean La.
Elec. Appliance Co., car bells, 701 W. Jackson blvd., Chicago, I
Elec. Arc. Cutting & Welding Co., electric cutting & weldi apparatus, 222 Halsey, Newark, N. J.
Elec. Auto-Lite Co., Toledo, O.
Elec. Automatic Appliance Co., fire alarms, 1749 Arapahoe, De ver, Colo.
Elec. Automatic Cigar Lighter Co., 556 W. 27th, New York.
Elec. Auto Sales Corp., auto frames & trucks, Central Park & 62d, New York.
Elec. Blower Co., electric forge blowers, electric blowers & hausters & electric ventilating fans, mfrs., 352 Atlantic Boston, Mass.
Electric Boat Co., Groton, Conn.
Elec. Boiler Co., Rochester, N. Y.
Elec. Brazing & Welding Mach. Co., demagnetizers, 30 Chur New York.
Elec. Car & Locomotive Corp., 165 B'way, New York.
Elec. Carriage Call & Spec. Co., 311 W. 40th, New York.
Elec. Carrier Co., 165 B'way, New York.
Elec. City Bedding Co., mattresses, Scranton, Pa.
Elec. City Brick Co., Augusta, Ga.
Elec. City Fdry. Co., Schenectady, N. Y.
Elec. City Glass Co., 480 Genesee, Buffalo, N. Y.
Elec. Cleanser Co., Canton, Ohio.
Elec. Compound Co., soap powders, 211 W. 16th, Los Ange Cal.
Elec. Const. & Machy. Co., Rock Island, Ill.
Elec. Construction & Motor Co., Findlay, Ohio.
Elec. Controller Co., heating pads, 317 W. Maryland, Indi apolis, Ind.
Electric Controller & Mfg. Co., switches, 2698 E. 79th, Cleve Ohio. *See adv. index at end of book.*
Elec. Cut Co., coffee or spice mills, Canton, O.
Elec. Dumbwaiter Co., 116 Morgan, Pittsburgh, Pa.
Elec. Emery Wheel Co., 827 Broad, Newark, N. J.
Elec. Engineering Co., 21 N. 6th, Minneapolis, Minn.
Elec. Engrs. Equipment Co., 711 Meridian, Chicago, Ill.
Elec. Fire Alarm Co., Sheboygan, Wis.
Elec. Flasher Co., 80 5th av, New York.
Elec. Floor Surfacer Co., 149 W. 36th, New York.
Electric Furnace Co. (Inc.), Alliance, O.
*See adv index at end of book*
Elec. Furnace Construction Co., Fiance Bldg., Phila., Pa.
Elec. Fuseguard Co., 60 Shipman, Newark, N. J.
Elec. & Glass Spec. Wks., Toledo, Ohio.
Elec. Goods Mfg. Co., Canton, Mass.
Elec. Heat Regulator Co., 2753 4th av, S., Minneapolis, Minn
Elec. Heating Apparatus Co., electric furnaces, 121 Sussex Newark, N. J.
Elec. Heating & Mfg. Co., cigar lighters, radiators, etc., W lake & Republican, Seattle, Wash.
Elec. Horn & Spec. Co., Utica, N. Y.
Elec. Hose & Rubber Co., 12th & Dure, Wilmington, Del.
Elec. Lustre Starch Co., 26 Central, Boston, Mass.
Elec. Mach. Co., corn poppers, New Albany, Ind.
Elec. Machinery Co., 14th av & N. E. Tyler, Minneapolis, M
Elec. Machy. Sales Co., 327 S. La Salle, Chicago, Ill.
Elec. Mfg. Co., auto. supplies, 166 W. 6th, St. Paul, Minn.
Elec. Mfg. Co., cooking app., 59 New Montgomery, San F cisco, Cal.
Elec. Materials Co., bearings, castings, forgings, etc., N East, Pa.
Elec. Novelty Works, 533 Mission, San Francisco, Cal.
Elec. Operations Co., machsts. & fndrs., 254 36th, Brooklyn, N
Elec. Panelboard Co., junction boxes, 27 N. Water, Roche N. Y.
Elec. Porcelain & Mfg. Co., Trenton, N. J.
Elec. Products Co., generators & battery charging rheos Clarkstone rd., Cleveland, Ohio
Elec. Railway Equipment Co., Cincinnati, Ohio.
Elec. Railway Improvement Co., 2070 E. 61st pl., Cleve Ohio.
Elec. Ry. Journal, 10 av & 36th, New York.
Elec. Railway & Mfrs. Supply Co., 36 2d, San Francisco, C
Elec. Refining Co., lubricating oils & greases, Toledo, Ohio.
Elec. Review & Western Electrician, trade publication, 60 Dearborn, Chicago, Ill.
Elec. Rotary Mach. Co., 32 S. Clinton, Chicago, Ill.
Elec. Rubber Reclaiming Co., Barberton, Ohio.
Elec. Sales Co., electric fuses, 67 E. Gay, Columbus, O.
Elec. Service Co., commutator rings, 12th & Madison, cinnati, Ohio.
Elec. Service Supplies Co., clamps & trailer connectors, 17 Cambria, Philadelphia, Pa.
Elec. Smelting & Aluminum Co., Lockport, N. Y.
Elec. Spark Appliance Co., auto. horns, 140 Imlay, Bklyn., N
Elec. Specialties Co., irons & toasters, Benton Harbor, Mi
Elec. Specialty Co., condensers, testers, Cresco, Ia.
Elec. Specialty Co., generators, Stamford, Conn.
Elec. Steam Radiator Co., Portland, Me.
Elec. Steel Castings Co., 64th & R. R., Milwaukee, Wis.

ec. Steel Co., W. 31st & S. Wood, Chicago, Ill.
ec. Steel Co. of Ind., castings, Indianapolis, Ind.
ectric Steel & Forge Co., 6600 Grant av., Cleveland, O.
*See adv index at end of book.*
ec. Steel Fdry., Portland, Ore.
ec. Storage Battery Co., 19th & Allegheny av, Phila., Pa.
ec. Storage Supply Co., batteries, Somerville, Mass.
ec. Supply Co., armature rewinding & commutator refilling, Charleston, S. C.
ec. Supply Co., sockets, incandescent lamps, Sioux City, Ia.
ec. Supply Co., storage batteries, 1947 E. 9th, Cleveland, O.
ec. Tachometer Co., 435 N. Broad, Philadelphia, Pa.
ec. Time & Mfg. Co., clocks, West Lafayette, Ind.
ec. Vacuum Cleaner Co., Inc., Ivanhoe rd., Cleveland, Ohio
ec. Vulcanizer Co., 618 3d av, S., Minneapolis, Minn.
ec. Water Sterilizer & Ozone Co., Scottdale, Pa.
ec. Weighing Co., conveyor scales, 180 13th av, New York.
ec. Welding Co., gear blanks, 2114 Superior Viaduct, Cleveland, Ohio.
ec. Welding Co., machy., 764 Cort., New York.
ec. Welding Co., reinforcing materials, Benedum Trees Bldg., Pittsburgh, Pa.
ec. Wheel Co., metal wheels, cars, carts, etc., Station D, Quincy, Ill.
*See adv index at end of book.*
ctrical Age, trade publication, 233 B'way, New York.
c'l Alloy Co., resistance wire mfrs., Morristown, N. J.
c'l Appliance Mfg. Co., blind fasteners & oven thermometers, mfrs., Waterbury, Conn.
c'l Blue Book, trade publications, Monadnock bldg., Chicago, Ill.
c'l Const. Supply Co., arc lamp insulators, Springfield, Ohio.
c'l Decorative Flower Co., 140 W. 116th, New York.
c'l Engrs., trade journal, Woolworth bldg., New York.
c'l Engng. Co., instrs., 21 N. 6th, Minneapolis, Minn.
c'l Industries Mfg. Co., 328 W. 41st, New York.
c'l Mach. Equip. Co., armature machy., 712 Postal Telegraph bldg., Chicago, Ill.
*See adv. index at end of book.*
c'l Mfg. Co., lugs, switchboards, light & power, 112 Hamilton av, Cleveland, Ohio.
c'l Mfrs. Equipment Co., armature machy., Postal Telegraph Bldg., Chicago, Ill.
c'l Material Co., elec. supp., 618 W. Jackson blvd, Chicago, Ill.
c'l Merchandising, trade publication, 10th av & 36th, N. Y.
c'l Products Corp., elec. illumn. signs, 941 W. 16th, Los Angeles, Cal.
c'l Record, 116 Liberty, New York.
c'l Repair Co., 548 W. 25th, New York.
c'l Review, trade publication, Monadnock block, Chicago, Ill
c'l Sales Co., fire alarms, elec. bells & horns, 176 Federal, Boston, Mass.
c'l Specialty Mfg. Co., outlet bushings, 49 Beaufort, Providence, R. I.
c'l Testing Co., storage battery charging sets, Peoria, Ill.
c'l Testing Laboratories, 80th & E. End av, New York.
c'l World, trade publication, 10th av & 36th, New York.
tro-Ad Co., elec illuminated signs, 49 W. Larned, Detroit, Mich.
tro Bleaching Gas Co., monochlorbenzol, 18 E. 41st, New York.
tro Call Signal Co., factory signals, 1591 Columbus rd, Cleveland, Ohio.
tro Chemical Co., Dayton, Ohio.
tro Chemical Engraving Co., advtg. novelties, etched metal signs, etc., 450 19th, Brooklyn, N. Y.
tro Chem. Supply & Eng'ng Co., 21 So. 12th, Phila., Pa.
tro Dental Mfg. Co., heaters, surgical instruments, etc., 33d & Arch, Philadelphia, Pa.
tro-Dynamic Co., machs., Bayonne, N. J.
tro Importing Co., 233 Fulton, New York.
tro Magnetic Tool Co., 2902 Carroll, Chicago, Ill.
tro-Metallurgical Co., 42d St. Bldg., New York.
tro Silicon Co., metal polish, 30 Cliff, New York.
tro Steel Co., elec. furnace, Curry Bldg., Pittsburgh, Pa.
tro Sun Co., Inc., instruments of precision, tracing cloth & paper, etc., 161 Washington, New York.
tro Surgical Instrument Co., Rochester, N. Y.
trolamp Co., spark plugs, Detroit, Mich.
trolytic Engineering Corpn., electrolytic cells, 501 5th av, New York.
trolytic Oxy-Hydrogen Laboratories, Inc., cells, 15 William, New York.
trolytic Sanitation Co., sewage disposal system, 53 W. Jackson blvd, Chicago, Ill.
tromechanical Co., armatures, 530 N. Calvert, Balto., Md.
tromobile Motor Car Co., Boatmen's Bank Bldg., St. Louis, Mo.
tron Chemical Co., chemical machinery mfrs., Portland, Me.
trose Mfg. Co., arc lamps, insulators, insulating compounds, etc., 70 Washington, Brooklyn, N. Y.
trova Co., pianos, 117 Cypress av, New York.
Kem Co., cyanede case hardening compounds, 1508 Clybourn av, Chicago, Ill.
tra Toy & Novelty Co., 400 Lafayette, New York.

Elenbrok, Caroline, masons' & bldrs.' matls., 2104 Fkd. av., Baltimore, Md.
Elevator Construction Co., freight elev., 327 Second av, Pittsburgh, Pa.
Elevator Roller Mills Co., flour, Columbus, Neb.
Elevator Signal Co., 116 West, New York.
Elevator Supplies Co., Inc., elevators supplies mfrs., Hoboken, N. J.
Eley, Frederick H., architect, Santa Ana, Cal.
Elford, Edw., contractor, 103 N. 3d, Columbus, Ohio.
Elfreth & Co., contractors, 1708 Sansom, Philadelphia, Pa
Elgensom, Eros, bags & suit cases, 771 Mather, Chicago, Ill.
Elgin Brass Co., 21 Park row, New York.
Elgin Brass & Electrical Mfg. Co., machsts. & fndrs., Elgin, Ill.
Elgin-Butler Brick & Tile Co., Austin, Tex.
Elgin Butter Tub Co., Elgin, Ill.
Elgin Canning Co., Elgin, Ia.
Elgin Cotton Oil Co., meal, Elgin, Tex.
Elgin Gas Engine & Mach. Co., Elgin, Ill.
Elgin, Joliet & Eastern Ry. Co., 208 S. La Salle, Chicago, Ill.
Elgin Mfg. Co., machinists & founders, Elgin, Ill.
Elgin Metal Novelty Co., machinists, Elgin, Ill.
Elgin Motor Car Corp., automobile bldrs., McCormick Bldg., Chicago, Ill.
Elgin National Soap Co., Elgin, Ill.
Elgin Nat. Watch Co., 10 S. Wabash av, Chicago, Ill.
Elgin Packing Co., Elgin, Ill.
Elgin Saddlery & Harness Co., Elgin, Ill.
Elgin Silver Plate Co., hardware, casket trimmings, Elgin, Ill.
Elgin Street Sweeper Co., machy., Elgin, Ill.
Elgin Tool Works, machinists & founders, Elgin, Ill.
Elgin Tractor Corp., Piqua, Ohio.
Elgin Wheel & Engine Co., Elgin, Ill.
Elgin Wind Power & Pump Co., Elgin, Ill.
Elias, G., & Bro., basswoood, ties, poles, etc., 965 Elk, Buffalo, N. Y.
Elias, Jos., & Co., plate glass, Jackson av, Long Island City, N. Y.
Eliason, J. T. & L. E., lumber, masons' & bldrs. matls.' New Castle, Del.
Eli Bridge Co., elec. lgt. plants, Roadhouse, Ill.
Eliot Mills, Inc., cotton & jute felt & cotton shoddy mfrs., 184 Summer, Boston, Mass.
Elite Button Co., 220 W. 19th, New York.
Elite Mfg. Co., auto jacks, etc., Ashland, Ohio.
Elite Mfg. Co., cut glassware, wood novelties, Aldenville, Pa.
Elite Polish Co., New Kensington, Pa.
Elite Pottery Co., Trenton, N. J.
Elite Vacuum Cleaner Mfg. Co., Kesner Bldg., Chicago, Ill.
Elitsac Mfg. Co., lumber mfrs., Castile, N. Y.
Elixman Paper Core Co., Inc., Corinth, N. Y.
Elizabeth City Brick Co., Elizabeth, N. C.
Elizabeth City Buggy Co., Elizabeth City, N. C.
Elizabeth City Iron Works & Supply Co., Elizabeth City, N. C.
Elizabeth Cornice Wks., Elizabeth, N. J.
Elizabeth Hardware Co., Elizabeth, N. J.
Elizabeth Iron Wks., Norfolk, Va.
Elizabeth Mach. & Iron Wks., castings, Elizabeth, N. J.
Elizabeth Mfg. Co., machinists, Elizabeth, N. J.
Elizabeth Mills, cotton thread, Hills Grove, R. I.
Elizabeth Sash, Door & Supply Co., Elizabeth, N. J.
Elizabeth Street Fndry., 5837 S. Elizabeth, Chicago, Ill.
Elizabethtown Gas Light Co., water, gas tar, Elizabeth, N. J.
Elizabethtown Milling Co., Elizabethtown, Ky.
Elizabethtown Smelting Co., 503 Mulberry, Newark, N. J.
Eljer Co., plumbers, Cameron, W. Va.
Elk Engng. Wks., machsts. & fndrs., St. Marys, Pa.
Elk Eye Milling Co., McConnellsville, Ohio.
Elk Fire Brick Co., St. Marys, Pa.
Elk Graphite Milling Co., St. Marys, Pa.
Elk Mfg. Co., terminals, 1926 B'way, New York.
Elk Ridge Coal & Coke Co., Northfolk, W. Va.
Elk River Mill & Lbr. Co., Falk, Cal.
Elk Tanning Co., machinists & founders, Ridgway, Pa
Elkan, H., & Co., tallow, 10 W. Austin av, Chicago, Ill.
Elkan, M. M., contractor, Macon, Ga.
Elkhart Brass Mfg. Co., machinists & founders, Elkhart, Ind
Elkhart Bridge & Iron Co., Elkhart, Ind.
Elkhart Carriage & Motor Car Co., Elkhart, Ind.
Elkhart Fdry. & Mach. Co., Elkhart, Ind.
Elkhart Hdwe. Mfg. Co., Elkhart, Ind.
Elkhart Iron Wks., machinists, Elkhart, Ind.
Elkhart Junk Co., scrap iron, Elkhart, Ind.
Elkhart Mfg. Co., gas ignitors, Monroe, Mich.
Elkhart Rubber Works, plumbers' rubber goods, etc., Elkhart, Ind.
Elkhart Stamping & Tool Co., Montpelier, Ohio.
Elkhorn Coal Corp., Bankers Tr. bldg, New York.
Elkhoff, John, contractor, Grand Forks, N. D.
Elkhorn Piney Coal Mining Co., 425 E. Water, Milwaukee, Wis.
Elkhorn Lumber Co., Elkhorn, Wis.
Elkhorn Mill Co., lbr., Bluecreek, Wash.
Elkin Buggy Co., carriages, Elkin, N. C.
Elkin Canning Co., Elkin, N. C.
Elkin Roller Mills, Elkin, N. C.
Elkin Veneer & Mfg. Co., Elkin, N. C.
Elkins Box Co., Elkin, N. C.
Elkins Brick Co., common, Elkins, W. Va.

Elkins Fndry. & Mach. Co., Elkins, W. Va.
Elkins Milling Co., flour, Elkins, W. Va.
Elkins Refrigerator & Fixt. Co., Elkins, W. Va.
Elkus Co., umbrellas, 729 Mission, San Francisco, Cal.
Ella Mfg. Co., cotton sheeting, Shelby, N. C.
Ellanam Adjustable Dress Form Co., 380 Throop av, Brooklyn, N. Y.
Ellard, W. B., masons' & bldrs.' matls., Cornelia, Ga.
Ellaville Guano Co., Ellaville, Ga.
Ellbacher, Chas., contractor, Elizabeth, N. J.
Elledge, M. M., Lbr. Co., Corinth, Miss.
Elledge & Norman Marble Co., Columbus, Ga.
Ellenberger & MacNeal, lumber, Towanda, Pa.
Ellensburg Lbr. Co., Ellensburgh, Wash.
Ellenton Fertilizer Co., Ellenton, S. C.
Eller, Chas., machst. & fndr., Fort Scott, Kan.
Eller Mfg. Co., steel roofing, etc., Canton, Ohio.
Eller, W. J., flour mills, Hillsdale, Tenn.
Ellerbe, F. H., architect, Endicott Bldg., St. Paul, Minn.
Ellerbe, Round & Moore, architect, Eau Claire, Wis.
Ellerman & McLean, contrs., Yankton, S. Dak.
Ellers, H. P., Mfg. Co., nut tapping machs., Cleveland, Ohio.
Ellert, C. H., belt dressing, cements, mops, Evansville, Ind.
Ellert & Lahr, architects, World-Herald bldg, Omaha, Neb.
Ellery, Jos. E., wall pockets, 381 4th av, New York.
Ellery Knitting Mills, sweaters, cardigans, etc., 251 Stockton, Brooklyn, N. Y.
Ellert, Thos. H., architect, 681 5th av, New York.
Ellfeldt Hdwe. & Machsts.' Supply Co., 1219 McGee, Kansas City, Mo.
Ellicott Brick Co., Jewettville, N. Y.
Ellicott Machine Co., hydraulic dredge mfrs., 1111 Bush, Baltimore, Md. *See adv index at end of book.*
Ellicottville Milling Co., lumber mfrs., Ellicottville, N. Y.
Ellin, Kitson & Co., carvers, arch'l modelers, marble interior wk., Madison av & 34th, New York.
Ellingson, E., machst., Canton, S. D.
Ellingson Lumber Co., Hawkins, Wis.
Ellington Elec. Co., storage battery charging sets, Quincy, Ill.
Ellington & Guy, lumber mfrs., 611 Times Dispatch Bldg., Richmond, Va.
Ellington Piano Co., Eden Park Entrance, Cincinnati, Ohio.
Ellingwood Turning Co., pike poles, West Paris, Me.
Elliot, F., & Co., knitted gloves, Waltham, Mass.
Elliot Woodworker Co., machinery, Congress & Brush, Detroit, Mich.
Elliott Addressing Mach. Co., 539 Market, San Francisco, Cal.
Elliott, B. K., Co., scientific instruments, 126 6th, Pittsb'h, Pa. *See adv index at end of book*
Elliott & Barry Eng. Co., 1426 Oline, St. Louis, Mo.
Elliott Bay Dry Dock Co., Seattle, Wash.
Elliott, Ben. C., architect, Mexico, Mo.
Elliott, Blair Steel Co., New Castle, Pa.
Elliott Bros., machsts. & fndrs., Sacramento, Cal.
Elliott Cedar River Gravel Co., sand dlrs., Seattle, Wash.
Elliott, Chas. H., Co., calendar pads, 17th & Lehigh av, Philadelphia, Pa.
Elliott Co., addressing machy., 143 Albany, Cambridge, Mass.
Elliott Co., machsts. & fndrs. & power accessories, 126 6th, Pittsburgh, Pa. *See adv index at end of book*
Elliott & Co., meat packers, Duluth, Minn.
Elliott Contracting Co., McKay Bldg., Portland, Ore.
Elliott, D. J., machst. & fndr., Monte Vista, Colo.
Elliott, D. J., & Son, canned goods, Salisbury, Md.
Elliott, E. A., ladders, Rumney, N. H.
Elliott Elec. Co., vacuum cleaners, 813 Superior av, Cleveland, Ohio.
Elliott-Fisher Co., adding, billing & bookkeeping mach., Harrisburg, Pa.
Elliott Fndry. & Mach. Wks., 1921 S. Fairfield av, Chicago, Ill.
Elliott Frog & Switch Co., 301 S. Main, E. St. Louis, Ill.
Elliott, G. Benj., foundry facings, San Francisco, Cal.
Elliott, G. W., & Co., machsts., De Smet, S. D.
Elliott & Hall, cloth folders, Worcester, Mass.
Elliott & Harman Engng. Co., htg. engnrs., 144 Fredonia av, Peoria, Ill.
Elliott, Hayden, & Co., masons' & bldrs.' matls., La Salle, Ill.
Elliott, J. & W. A., Co., contractors, Lumber Exchange, Minneapolis, Minn.
Elliott, J. Wilkinson, landscape architect, 336 4th av, Pittsburgh, Pa.
Elliott, Jno., arch'l iron, 356 Pearl, New York.
Elliott Mach. Co., Calais, Me.
Elliott Mach. Co., Grand Rapids, Mich.
Elliott Mfg. Co., tinware mfrs., Warren, Ill.
Elliott & Reid Co., fence machs., Richmond, Ind.
Elliott, S. B., architect, Sherman, Texas.
Elliott Service Co., elec. illuminated signs, 141 W. 36th, N. Y.
Elliott, T. Albert, contractors, 625 Onondaga av, Syracuse, N. Y.
Elliott-Thompson Electric Co., armature & field coils, Ajax Bldg., Cleveland, Ohio.
Elliott Varnish Co., 1013 S. Kolmar av, Chicago, Ill.
Elliott-Wean Lbr. Co., Toledo, Ohio.
Elliott, Wm. J., contractor, Coatesville, Pa.
Ellis, A. Raymond, architect, 36 Pearl, Hartford, Conn.
Ellis Adding Typewriter Co., 338 Elizabeth av, Newark, N. J.
Ellis Bros., masons' & bldrs.' matls., Kokomo, Ind.
Ellis, C. C., architect, Lorain, Ohio.
Ellis, C. R., architect, Macon, Ga.
Ellis Canning Co., Brant, N. Y.
Ellis Carriage Works, Kingston, N. C
Ellis, Chas. H., & Son, insecticides, Port Chester, N. Y.
Ellis, Clark & Sons, mill & facty. supplies, Milford, Mass.
Ellis & Cummings Oil Wks., Reading, Pa.
Ellis Drier & Elevator Co., drying mach., 140 W. Van Bu Chicago, Ill.
Ellis, E. R., brick, Coatesville, Ind.
Ellis, E. W., Lumber Co., Grand Rapids, Mich.
Ellis Elec. Sign Co., signs, Denver, Col.
Ellis Engine Co., 2843 E. Grand blvd, Detroit, Mich.
Ellis Flour Mills, Farmington, N. C.
Ellis & Ford Mfg. Co., chain pipe vises, pipe cutter wh Detroit, Mich.
Ellis, Frank M., architect, 801 S. Boulevard, Oak Park, Ill.
Ellis, Frank Otis, lamp eye shields, Sandwich, Mass.
Ellis, Geo. D., & Sons Co., machsts. & fndrs., 309 N. 3d, Pl delphia, Pa.
Ellis, J. B., flour, Kittrell, N. C.
Ellis, J. Lewis, architect, Marion, Ohio.
Ellis, Jno. E., contractors, Troy, N. Y.
Ellis Keystone Agricultural Wks., Pottstown, Pa.
Ellis, L. P., & Son, lbr., Orrville, Ala.
Ellis, L. R., contractor, Central Bldg., Seattle, Wash.
Ellis Mfg. Co., can openers, sheet metal stamping, etc., dale, Conn.
Ellis, R. E., Engng. Co., production mach. & tools, 621 Wa blvd, Chicago, Ill.
Ellis, R. S., flour mill, Steprock, Ark.
Ellis & Smith, broom & wood handles, Bleecker, N. Y.
Ellis, Sol., plbrs. supps., 2114 S. State, Chicago, Ill.
Ellis, T. M., & Co., flour mills, Russellville, Ky.
Ellis Time Stamp Co., 229 W. Ill., Chicago, Ill.
Ellis, W. H., & Son Co., dock bldrs. & contractors, 479 Meri Boston, Mass.
Ellis, Walter, sashes, doors & blinds, Stockport, Ohio.
Ellis, Wm. C., & Sons Iron Wks., agricultural impleme Memphis, Tenn.
Ellis, Wm. H., contractor, 344 N. 4th, Philadelphia, Pa.
Ellison Brass Mfg. Co., furniture trimmings, etc., Jamest N. Y.
Ellison Bros., machsts., 2213 Bridge, Fkd., Philadelphia, Pa
Ellison & Co., htg. contrs., 211 E. 126th, New York.
Ellison Construction Co., 60 Prospect, Hartford, Conn.
Ellison, Lewis M., calorimeters, 214 W. Kinzie, Chicago, Il
Ellison, Wm., & Sons Mfg. Co., machsts., St. Louis, Mo.
Elliston Lime Co., Elliston, Montana.
Ell-Kay Mfg. Co., heaters, asphalt, etc., Kansas City, Mo.
Ellms, H. E., & Co., sash, door & blind, 22 Washington Boston, Mass.
Ells, Irving B., architect, 47 W. 34th, New York.
Ellsworth Brass Fdry. Co., Bridgeport, Conn.
Ellsworth Collieries Co., bituminous, Lackawanna, N. Y.
Ellsworth & Filley, canned goods, Windsor, Conn.
Ellsworth Fndry. & Mach. Wks., Ellsworth, Me.
Ellsworth Hardwood Co., toys, games & nov., Ellsworth, Me
Ellsworth, J. E., contractor, Elreno, Okla.
Ellsworth, M. D., & Co., lumber, Tavera, Wis.
Ellsworth, S. P., machsts., 40 S. 8th, Brooklyn, N. Y.
Ellsworth Stone Co., Iowa Falls, Ia.
Ellsworth & Thayer Mfg. Co., auto. gloves, 338 B'way, waukee, Wis.
Ellsworth Woolen Mill, blankets, Ellsworth, Me.
Ellwood City Forge Co., Ellwood City, Pa.
Ellwood City Iron & Wire Co., Ellwood City, Pa.
Ellwood Foundry Co., Ellwood City, Pa.
Ellwood Stone Co., producers, House Bldg., Pittsburgh, Pa.
Elm City Brass & Rivet Co., Plainville, Conn.
Elm City Cornice Wks., New Haven, Conn.
Elm City Cotton Mills, La Grange, Ga.
Elm City Lbr. Co., Newbern, N. C.
Elm City Mfg. Co., see Schneider, A. L., Co. (successors).
Elm Grove Milling Co., flour, Elm Grove, W. Va.
Elmendorf Varnish Co., 841 Larrabee, Chicago, Ill.
Elmer, H. M., contractor, 1593 Portland av, St. Paul, Mi
Elmer & Moody Co., sash, door & blind mfrs., Seattle, Was
Emery, Chas. W., vacuum cleaners, 2036 N. 13th, Phila.,
**ELMES, CHAS. F., ENGINEERING WORKS, INC., draulic Machinery, Presses, Pumps, Accumula** cor. Fulton & Sangamon, Chicago, Ill.
*See adv index at end of book.*
Elmhurst-Chicago Stone Co., Elmhurst, Ill.
Elmira Boiler & Iron Wks., Elmira, N. Y.
Elmira Casket Co., Elmira, N. Y.
Elmira Commercial Motor Car Co., Owego, N. Y.
Elmira Cotton Mills Co., Burlington, N. C.
Elmira Fdry. Co., Elmira, N. Y.
Elmira Knitting Mills, Elmira, N. Y.
Elmira Storage & Supply Co., mill & facty. supp., Elmira,
Elmire Lbr. Co., Elmire, Ore.
Elmore, G. H., centrifugal pumps, chem. engnr. & d Colonial Trust bldg., Phila., Pa.
Elmore Ginning & Fertilizer Co., Laurinburg, N. C.
Elmore Milling Co., flour, Oneonta, N. Y.
Elmore Packing Co., Astoria, Ore.

more Tool Mfg. Co., auger bits, Hartford, Conn.
more Veneer Co., Conneaut, Ohio.
more, Walter D., metal babbitt, Bessemer Bldg., Pittsburgh, Pa.
ms, Jas., mill & facty. supplies, Auburn, Me.
nwood Box Co., 87 Willard av, Providence, R. I.
nwood Button Co., Bridgeport, Conn.
nwood Castings Co., Murray rd, Cincinnati, Ohio.
nwood Mills, shoe laces, Daboll, Providence, R. I.
nora Packing Co., Elnora, Ind.
Oso Asphalt Co., contrs., Victoria Bldg., St. Louis, Mo.
Paso Brick Co., El Paso, Tex.
Paso Bridge & Iron Co., El Paso, Tex.
Paso Foundry & Machine Co., El Paso, Tex.
Paso Gas Co., water-gas, tar, El Paso, Tex.
Paso Grain & Milling Co., flour, El Paso, Tex.
Paso Ice & Refrigerator Co., stone (crushed), El Paso, Tex.
Paso Lumber Co., El Paso, Tex.
Paso Sash & Door Co., El Paso, Tex.
Reno Foundry & Machine Co., El Reno, Okla.
Reno Mill & Elevator Co., flour, El Reno, Okla.
berry Bros. & Miller, lbr., Mayo, Fla.
emore & Jachos., contrs., Eureka, Cal.
enhans Mach. Wks., 899 Main, Buffalo, N. Y.
esser, Michael, machsts., ft Court, Brooklyn, N. Y.
ey Canning Co., Elsey, Mo.
ey, G. E., Carriage Co., Springfield, Mo.
inghorst, John H., cornices, 574 Mich., Buffalo, N. Y.
inore Paper Co., 131 W. 24th, New York.
mere Granite Co., 1752 N. Spaulding Av., Chicago, Ill.
mere Hdwe. Co., who. hdwe., Lexington Pike, Erlanger, Cincinnati, Ohio.
ner, C. C., mill & facty. supps., Harvey, Ill.
ner, G. W., canned goods, Aberdeen, Md.
on & Brewer, oils, 20 Gold, New York.
on Williams Construction Co., 830 Hennepin av, Minneapolis, Minn.
ton Tel. & Mfg. Co., Muscoda, Wis.
rich, Chas., Co., machsts., 180 Lafayette, New York.
n Lbr. Co., Hutchinson, La.
x Miniature Lamp, Division of G. E. Co., 6 E. 39th, N. Y.
in, Frank F., architect, 182 State, Springfield, Mass.
ay Miller Co., heating contractors, Aberdeen, Wash.
ell, B. F., Glue Co., Rockport, Mass.
ell, C. A., seines & fish nets, Gloucester, Mass.
ell, H. F., Iron Wks., Springfield, Mass.
ell-Parker Electric Co., electric industrial & factory trucks, 4223 St. Clair av, Cleveland, Ohio.
ood, C. C., architect, Elkhart, Ind.
ood Fdry., grey iron castings, Elwood, Ind.
ood Lawn Mower Mfg. Co., Elwood, Ind.
ood Myers Co., advtg. spec., Springfield, Ohio.
ood, Robt., architect, New Canaan, Conn.
orthy, Helwick, Co., contractors, Wimson Bldg., Cleveland, O.
C. Upham, nickel anodes, 50 Vesey, New York.
Chas. H., architect, Sharon, Mass.
Constr. Co., Augusta, Ga.
E. C., Co., machsts. & fndrs., Leona, Pa.
Ethelbert, assayer, Dover, N. J.
J. H. & W. C., architects, Fireman Bldg., Newark, N. J.
Lumber Co., sash, door & blind, Holyoke, Mass.
Theo. J. Mfg. Co., wood handles, carpet beaters, etc., Girard, Pa.
& Williams Co., cans, boxes, 257 B'way, New York.
ia Belting & Machinery Co., second-hand mach., etc., Elyria, Ohio.
ia Canning Co., Elyria, Ohio.
ia Concrete Co., masons' & bldrs.' matls., Elyria, Ohio.
ia Constr. Co., Elyria, Ohio.
ia Enameled Products Co., chemical apparatus, stills, tanks, etc., Elyria, Ohio.
ia Foundry Co., Elyria, Ohio.
ia Hdwe. Co., Elyria, Ohio.
a Iron & Steel Co., 232 E. 131st, Cleveland, Ohio.
ia Mach. Co., rubber mill machy., Elyria, Ohio.
a National Rubber Heel Co., Elyria, O.
er & Anderson, architects, Citizens' Nat'l Bk. bldg., Cincinnati, Ohio.
k, John D., Co., rfg. slate mfrs., 112 S. 16th, Philadelphia, Pa.
nuel & Co., slag products, Catasauqua, Pa.
nuel Farm Co., lumber, Savannah, Ga.
almers' Supply Co., disinfectants, Westport, Conn.
alming Burial Case Co., Burlington, Ia.
ankment Co., contrs., Joliet, Ill.
em Mfg. Co., machinists, Angola, N. Y.
ssed Wall Covering Co., 880 N. 48th, Philadelphia, Pa.
ssing Co., toys, Albany, N. Y.
ee Co., paper doilies, Buena Vista, Va.
ee Elevator & Millwright Co., Lynn, Mass.
oidery Hoop Co., Canton, Ohio.
y Box Co., Louisville, Ky.
ry, Aymar 2d, architect, 132 Madison av, New York.
ry Mfg. Co., lanterns, Warsaw, N. Y.
ry-Martin Lumber Co., Cheboygan, Mich.
m Selling Co., portable benches, 422 E. 16th, New York.
ar Co., self-fluxing solder, 55 Liberty, New York.

Emerson, A. C., & Co., masons' & bldrs.' matls., Warrensburg, N. Y.
Emerson Apparatus Co., calorimeters, 251 Causeway, Boston, Mass.
Emerson-Brantingham Co., farm machy., buggies, tractors, wagons, etc., Rockford, Ill.
Emerson-Brantingham Co., lbr., Waynesboro, Pa.
Emerson Co., engineers, 30 Church, New York.
Emerson & Co., granite, Lancaster, N. H.
Emerson Dry Kiln Co., Flatiron Bldg., New York.
Emerson Elec. Mfg. Co., elec. disc. fans, 2024 Washington av, St. Louis, Mo.
Emerson, F. M., Co., contractors, 1570 Stowell av, Milwaukee, Wis.
Emerson & Germain, contrs., Pittsfield, Mass.
Emerson Hardwood Lbr. Co., Portland, Ore.
Emerson Mfg. Co., machinists, Lawrence, Mass.
Emerson & Norris Co., artificial bldg. stone, Boston, Mass.
Emerson Paper Co., adding mach. rolls, Sunapee, N. H.
Emerson Phonograph Co., talking machines, 3 W. 35th, New York.
Emerson Piano Co., 560 Harrison av, Boston, Mass.
Emerson Pump & Valve Co., foot valves, etc., Alexandria, Va.
Emerson, Sam'l W., Co., contractors, foot of Addison rd, Cleveland, Ohio.
Emerson, Smith & Co. (Ltd.), grinders, saws, tools, etc., Beaver Falls, Pa.
Emerson Steam Pump Co., see Emerson Pump & Valve Co. (successors).
Emerson & Stevens Mfg. Co., machinists & founders, Oakland, Me.
Emerson, Wm., architect, 597 5th av, New York.
Emerson & Bailey, granite, Lancaster, N. H.
Emery, Chas. W., elec. contr., Greenwich, Conn.
**EMERY CANDLE CO.,** Mercantile Library Bldg., Cincin., Ohio.
Emery, Chas. W., hand vacuum cleaners, 2036 N. 13th, Phila., Pa.
Emery, Geo. D., Co., lbr., 220 11th av, New York.
Emery Hardware Co., Bradford, Pa.
Emery, Hy. G., architect, Bible House, New York, & Nyack, N. Y.
Emery & Hoffer, contractors, Waterloo, Ia.
Emery, J. Paul, contractor, 4907 Wynnefield, Philadelphia, Pa.
Emery, L., Jr., oil well supplies, Bradford, Pa.
Emery Lumber & Coal Co., Williamsport, Pa.
Emery, M. L. & H. G., architect, 42 N. Pearl, Albany, N. Y.
Emery Mfg. Co., oils, etc., Bradford, Pa.
Emery, Marshall L., architect, Bible House, New York.
Emery & Nelson, Inc., lumber, Napavine, Wash.
Emery Pneumatic Lubricator Co., air brake & pneumatic lubricators, 1932 N. B'way, St. Louis, Mo.
Emery, Thompson, Machy. & Supply Co., 235 E. 41st, New York.
Emery, V. J., machinists, Quincy, Mass.
Emery, W. N., & Son, machinists & founders, Franklin, Pa.
Emery-Waterhouse Co., whol. hdwe., mill & facty. supplies, 143 Middle, Portland, Me.
Emery, Wm. S., seats, 118 E. 28th, New York.
Emich Box & Lbr. Co., Norfolk, Va.
Emig & Hatmaker, mill & facty. supplies, Geneva, N. Y.
Emigh-Winkell Hdwe. Co., whol., Sacramento, Cal.
Emigsville Quarry Co., lime mfrs., Emigsville, Pa.
Eminence Milling Co., Eminence, Ky.
Emlenton Milling Co., Ltd., flour, Emlenton, Pa.
Emlenton Refining Co., lubrg. oils., Emlenton, Pa.
Emmart Packing Co., 5425 S. State, Chicago, Ill.
Emmart, Wm. W., architect, Union Trust bldg., Baltimore, Md.
Emmel, Chas. & Rose, Co. archl. modelers, 383 Albany, Boston, Mass.
Emmel Co., classic wood carvers, 81 Bristol, Boston, Mass.
Emmelman Bros. Mfg. Co., gasoline blow torches, Indianapolis, Ind.
Emmens & Abbott, architects, Stamford, Conn.
Emmer Products Co., prepared cereals, Denver, Colo.
Emmerich, Chas., & Co., mattresses, 501 W. Huron, Chicago, Ill.
Emmerich, Fred'k, machinist, 365 Flushing av, Brooklyn, N. Y.
Emmers Cornice Co., 1007 B'way, Cincinnati, Ohio.
Emmert Hdwe. Co., Hagerstown, Md.
Emmert Mfg. Co., draughting appliances, Waynesboro, Pa.
Emmitt, Albert, contrs., Ossining, N. Y.
Emmons Bros., mattresses, Meridian, Miss.
Emmons Coal Co. of W. Va., Land Title bldg, Phila., Pa.
Emmons, E. G., scythe rifles, West Morris, Conn.
Emmons, Hawkins Hardware Co., Huntington, W Va.
Emmons Loom Harness Co., Lawrence, Mass.
Emory & Eisenbrey, mill & chemical engrs., Harrison Bldg., Philadelphia, Pa.
Emory, P. P., Mfg. Co., founders, Springfield, Mass.
Emory River Lbr. Co., Lansing, Tenn.
Emory, Robt. J., Co., machinists; 27 Runyon, Newark, N. J.
Emory & Webb, architect, Honolulu, Hawaii.
Empire Art Metal Co., Inc., College Point, L. I., N. Y.
Empire Automobile Co., S. W. cor. Capitol & Michigan, Indianapolis, Ind.
Empire Axle Co., axle bldrs. for motor trucks, Dunkirk, N. Y.
Empire Bending Works, rim, shafts & bows, mfrs., Lancaster, Pa.
Empire Blower & Pipe Co., Rochester, N. Y.
Empire Braid Wks., 413 W. B'way, New York.
Empire Brass Co., 329 E. 26th, New York.
Empire Brass fdy., Binghamton, N. Y.

Empire Brass Mfg. Co., 10301 Berea Rd., Cleveland, Ohio.
Empire Brass & Metal Wks., 29 W. 34th, New York.
Empire Brass Works, 824 Fulton, Chicago, Ill.
Empire Brick & Supply Co., masons' & bldrs.' matls., 103 Park av, New York.
Empire Brush Wks., mach. brushes, 1311 N. Robey, Chicago, Ill.
Empire Buggy Co., Jackson, Ga.
Empire Button Mold Mfg. Co., 722 E. 11th, New York.
Empire Carbon Wks., 415 Locust, St. Louis, Mo.
Empire China Wks., porcelain spec., 156 Greene, Bklyn., N. Y.
Empire City-Gerard Co., sash, door & blind mfrs., 265 Greenpoint av, Brooklyn, N. Y.
Empire City Pearl Button Wks., 10th, Long Island City, N. Y.
Empire Coal & Coke Co., masons' & bldrs.' matls., Rock Island, Ill.
Empire Coarse Salt Co., Syracuse, N. Y.
Empire Coke Co., Geneva, N. Y.
Empire Co., bread boards, North Girard, Pa.
Empire Cotton Oil Co., Atlanta, Ga.
Empire Cream Separator Co., machinists, Bloomfield, N. J.
Empire Cut Glass Co., Flemington, N. J.
Empire Duplex Gin Co., 346 B'way, New York.
Empire Electric & Mfg. Co., eyelets, ferrules & spec. elect'l goods, Plainville, Conn.
Empire Elec. Sign Co., 162 E. 118th, New York.
Empire Engineering Co., Inc., contrs., 6 Church, New York.
Empire Feather Duster Co., 203 Centre, New York.
Empire Foundry Co., Oakland, Cal.
Empire Foundry Co., Syracuse, N. Y.
Empire Fringe Co., 909 Faile, New York.
Empire Galvanizing Co., 2507 E. Cumberland, Philadelphia, Pa.
Empire Glass Co., Smethport, Pa.
Empire Grate Co., Chester, Pa.
Empire Guano Co., fertilizer mfrs., New Albany, Ind.
Empire Gypsum Co., wall plaster mfrs., Cutler Bldg., Rochester, N. Y.
Empire Hdwe. Co., 274 West B'way, New York.
Empire Implement Mfg. Co., grinders, Albany, N. Y.
Empire Ivory Button Wks., 826 B'way, New York.
Empire Knife Co., Winsted, Conn.
Empire Knitting Mills, sweaters, 1701 N. Ashland, Chicago, Ill.
Empire Knitting Mills, sweaters, etc., 236 Bank, Newark, N. J.
Empire Knitting Wks., sweaters, cardigans, etc., 10 Varet, Brooklyn, N. Y.
Empire Laboratory Supply Co., Inc., 405 Lexington av, New York.
Empire Laboratory Supply Co., 411 Lexington av, New York.
Empire Ladder & Pole Co., 154 1st, Newark, N. J.
Empire Lamp Mfg. Co., 1214 W. Madison, Chicago, Ill.
Empire Laundry Machy. Co., 352 Western av, Boston, Mass.
Empire Lighting fixture Co., 224 Centre, New York.
Empire Lime Kilns, Bellefonte, Pa.
Empire Lime & Stone Co., Milwaukee, Wis.
Empire Limestone Co., 19 Hudson, Buffalo, N. Y.
Empire Lbr. Co., see Elliott-Wean Lbr. Co. (successors).
Empire Mach. Co., Corning, N. Y.
Empire Mach. & Stamping Co., 59 Terrace, Buffalo, N. Y.
Empire Mach. Wks., Berry, Brooklyn, N. Y.
Empire Mach. Wks., machinists, Mount Morris, N. Y.
Empire Machinery & Supply Corp., mill & facty. supplies, Norfolk, Va.
Empire Mfg. Co., metal wheels, etc., Quincy, Ill.
Empire Mfg. Co., belting, hose, rubber goods, etc., Lockport, N. Y
Empire Mfg. Co., hard fibre, 26th & Tatnell, Wilmington, Del.
Empire Mfg. Co., packing box mfrs., Goldsboro, N. C.
Empire Mattress Co., 2231 W. Madison, Chicago, Ill.
Empire Metal Co., Syracuse, N. Y.
**Empire Metal Tank Wks., East, Rochester, N. Y.**
Empire Mills Co., flour, Columbus, Ga.
Empire Nickel Plating Wks., Troy, N. Y.
Empire Nov. Co., badges & buttons, 3546 5th av, Chicago, Ill.
Empire Oil Works, oil refining, Oil City, Pa.
Empire Optical Co., Rochester, N. Y.
Empire Ornamental Glass Co., 437 Washington, New York.
Empire Paper Co., Ithaca, N. Y.
Empire Paper Tube & Box Co., 155 Bk., New York.
Empire Pipe Bending & Supply Co., see Empire Pipe Corp. (successors).
Empire Pipe Corp., mill & facty. supps., 253 Park av, Brooklyn, N. Y.
Empire Plow Co., agricultural implement mfrs., 3140 E. 65th, Cleveland, Ohio.
Empire Polishing Co., S. Quincy, Quincy, Mass.
Empire Provision & Beef Co., 247 Lewis, Buffalo, N. Y.
Empire Rice Milling Co., Ltd., 1676 Tchoupitoulas, New Orleans, La.
Empire Refineries, Inc., gasoline, hub oils, etc., Bartlesville, Okla.
Empire Roller Fifth Wheel Wks., Quincy, Ill.
Empire Rolling Mill Co., Bessemer & C. & P. Ry, Cleveland, O.
Empire Rubber Co., 126 W. 22d, New York.
Empire Sash & Door Co., Friendship, N. Y.
Empire Smelting Co., Depew, N. Y.
Empire Soap Co., 203 W. B'way, New York.
Empire Spring Bed Wks., Elmira, N. Y.
Empire State Bag Co., 760 Wythe av, Brooklyn, N. Y.



Empire State Canning Co., Rome, N. Y.
Empire State Chemical Co., Athens, Ga.
Empire State Pickling Co., canned goods, Phelps, N. Y.
Empire State Silk Label Co., 218 Tyler, West New Bright N. Y.
Empire Steel & Iron Co., blast furnaces, Catasauqua, Pa.
Empire Stone Co., Bloomington, Ind.
Empire Tile Co., 5120 Sweeney, Cleveland, O.
Empire Tin Ware Co., ash, garbage, paint & varnish cans, 29 S. 5th, Brooklyn, N. Y.
Empire Tire & Rubber Corp., Trenton, N. J.
Empire Transformer Co., elec. bells, 2214 Sedgwick, Chic Ill.
Empire Tube & Steel Corp., tubing, College Point, N. Y.
Empire Varnish Co., 2638 E. 76th, Cleveland, Ohio.
Empire Wall Plaster Co., Utica, N. Y.
Empire Weaving & Belting Corp., solid woven belting & w ings, East Rochester, N. Y.
Empire Wheel Wks., auto. wheel pullers, Utica, N. Y.
Empire Wood Type Co., 31 Ferry, New York.
Empire Zinc Co., Denver, Colo.
Empkie-Shugart-Hill Co., wholesale hardware, Council Bluffs,
Employees' Indemnity Co. of Philadelphia, steam boiler in ance, 331 Walnut, Philadelphia, Pa.
Employers' Liability Assurance Corp. (Ltd.), insurance, Broad, Boston, Mass.
Emporia Lumber & Coal Co., masons' & bldrs.' matls., Empo Kan.
Emporia Machine Co., Emporia, Va.
Emporium Forestry Co., lbr., Utica, N. Y.
Emporium Iron Co., blast furnaces, Emporium, Pa.
Emporium Lbr. Co., Utica, N. Y.
Emporium Machine Co., Emporium, Pa.
Emporium Milling Co., flour, Emporium, Pa.
Empson Packing Co., Longmont, Colo.
Emrath, Louis, machinist, 4236 N. Ashland av, Chicago, Ill
Emrich, C., stove mfr., 371 S. High, Columbus, Ohio.
Emrich, Phil., tanners' tools, 824 Main, Cincinnati, Ohio.
Emrick, A. E., agricultural implements, Germantown, Ohio.
Emsley, John W., bags, burlaps, Adams & Emerald, Phila., P
Emswiler, L. A., contractor, Cliftonforge, Va.
Enamel Products Co., Eddy rd. & Taft av, Cleveland, Ohio
Enamel Vitrified Brick Co., 1348 Nicholas Bldg., Toledo, Ohi
**ENAMELED IRON SIGN CO.,** 18 W. 36th, New York.
Enameled Metals Co., interior conduits, 61 Bridge, Pittsb'g,
Enameled Steel Sign Co., 190 N. State, Chicago, Ill.
Endebrock, Wm. P., architect, American Mechanic Bldg., T ton, N. J.
Enderes, Inc., punches, knives, chisels, etc., Albert Lea, Min
Enders, O., architect, Wright bldg, St. Louis, Mo.
Enders, P., & Son, contractors, Rochester, N. Y.
Enders Sales Co., safety razor mfrs., 17 Battery pl, New Yo
Endicott Forging & Mfg. Co., Endicott, N. Y.
Endicott-Hammond Co., mill & facty. supps., 50 West, New Y
Endicott-Johnson & Co., fibre & leather boards, Endicott, N
Endner Lbr. Co., Gunnison, Colo.
End-Oxy Appliance Co., welding app., 29 N. Willow, Tren N. J.
Endres, H. W., landscape architect, Syndicate Tr. Bldg., Louis, Mo.
Endres, J. A., & Son, cornices & skylights, Leavenworth, Ka
Endresen Spar & Timber Co., masts & spars, Hoquiam, W
Endress & Watkin, architects, Littlefield Bldg., Austin, T
Endsley, J. W., insulator pins, Somerfield, Pa.
Endura Mfg. Co., packing mfrs., 63d & Eastwick av, Phila.,
Endurance Autoil Co., metal polish, Muncie, Ind.
Energine Refining & Mfg. Co., soap, 242 Arcade, Cleveland,
Energy Elevator Co., hand elevators, 214 New, Philadelphia
Engberg Electric & Mechanical Works, dynamo & motor, St seph, Mich.
Engel Bros., barrels, 1153 Center, Chicago, Ill.
Engel Lbr. Co., Grand Rapids, Mich.
Engel Mfg. Co., ball cocks, 143 Oneida, Syracuse, N. Y.
Engelbach Mach. Mfg. Co., Leadville, Colo.
Engelberger, F. & W. V., Co., cornices, 159 Jeliff av, Ne N. J.
Engelberg Huller Co., rice & coffee machinery, 831 W. Fa Syracuse, N. Y.
Engelhard, Chas., furnaces, chemical thermometers, etc Church, New York.
Engelhard, Frank, & Sons, copper floats, brass & bronze ings, 200 Franklin, Springfield, Mass.
Elgelhardt, C. P., architect, 905 B'way, Brooklyn, N. Y.
Engelhardt, Jno. W., Co., advtg. spec., 121 Carondelet, Orleans, La.
Engelhardt, Theobald, brewery architect, 905 B'way, Bklyn.
Engelhart Trunk Co., Cleveland, Ohio.
Engeln & Co., coils, gas lighting sparks, 1904 Euclid, Clev Ohio.
Engeln, M., & Son, machsts. & fndrs., McHenry, Ill.
Enger, Frank J., carriages, wagons, Marion & Dakota av, Cincinnati, Ohio.
Enger Motor Car Co., Cincinnati, Ohio.
Engerbretsen, John, contractor, San Diego, Cal.
Engine & Machinery Co., Canton, Ohio.
Engineer Co., mechanical draft, etc., 17 Battery pl, New Yo
Engineering Agency, Monadnock Blk., Chicago, Ill.

ag. & Cement World., see Engineering World (successor).
ineering Co., machinists, Ft. Wayne, Ind.
ineering Co. of Phila., Harrison Bldg., Philadelphia, Pa.
ineering Const. Co., Scranton, Pa.
**GINEERING & CONTRACTING,** trade publication, 605 S. Dearborn, Chicago, Ill. *See adv. index at end of book.*
ng. & Fdy. Co., Stockton, Cal.
ng. & Mining Journal, 10th av & 36th, New York.
ineering News Record, trade publication, 10th av & 36th, New York. *See adv index at end of book.*
ineering Products Co., annunciators, elec. bells, 40 Goldsmith av, Detroit, Mich.
neering & Steam Supplies Co., Plymouth bldg, Minneapolis, Minn.
ng. World, trade publications, Monadnock bldg, Chicago, Ill.
ineering Wks., Van Buren, Ark.
neers Appliance Co., steam traps, valves, etc., Cleveland, O.
neers Corp., contrs., 43 Exchange pl, New York.
neers Equip. Co., mill & facty. supps., 4003 B'way, Chicago, Ill.
and Bros., flour mills, Springfield, Tenn.
and, S. B., cornices, Altoona, Pa.
and, Walton, & Co., leather belting, butts & harness, 3d & Vine, Philadelphia, Pa.
ander Spring Bed Co., 88 35th, Brooklyn, N. Y.
e & Gohn, contractors, 50 Callahan av, Dayton, Ohio.
ebert & Co., stone producers, Nashville, Tenn.
ehardt, C. P., architect, 905 B'way, Brooklyn, N. Y.
ehardt Piano Co., St. Johnsville, N. Y.
ehart Co., Atlanta, Ga.
ehart, Thos., contr., Eureka, Ga.
e's, Jno. S., Sons, masons' & bldrs.' matls., Hummelstown, Pa.
ewood Chandelier Wks., 628 E. 63d, Chicago, Ill.
ewood Desk Co., 58th & Lowe av, Chicago, Ill.
ewood Sash & Door Co., 5935 Lowe av, Chicago, Ill.
is, Chas. M., ship bldrs., 34 Greenpoint, av, Brooklyn, N. Y.
is, Geo. H., contractor, White Plains, N. Y.
ish Bros., contractors, Champaign, Ill.
ish, C. R., Co., mill & facty. supplies, 167 Oliver, Boston Mass.
ish Canning & Mfg. Co., English, Ind.
ish, Frank G., contractor, 1608 N. Carlisl, Philadelphia, Pa.
ish Iron Wks. Co., boom swinging gears, Leekes, Mo.
ish, Jno. J., cornices, Kenosha, Wis.
ish Mfg. Co., wood pails & buckets., Antigo, Wis.
sh & Mersick Co., lamps, hdwe, mfrs., Winchester av, New Haven, Conn.
sh Mica Co., Insurance Bldg., Williamsport, Pa.
sh & Miller Machy. Co., Majestic Bldg., Detroit, Mich.
sh, R. W., Lumber Co., Denver, Colo.
sh, T. P., bldg. contrs., Birmingham, Ala.
sh Tool & Supply Co., 408 W. 5th, Kansas City, Mo.
an-Matthews Range Co., South Bend, Ind.
avers' & Printers' Machy. Co., Sag Harbor, N. Y.
Skell Co., essential oils, etc., extracts, syrups, colorings, 208 Mission, San Francisco, Cal.
trom & Samuelson, contrs., Warren, Pa.
Fdry. & Mach. Co., Enid, Okla.
Milling Co., flour, Enid, Okla.
Sash & Door Co., Enid, Okla.
Vitrified Brick & Tile Co., Enid, Okla.
a Mfg. Co., boxes, lunch, Mount Sterling, Ky.
as Bros., lbr., Fernwood, Miss.
as Lumber Co., Jackson, Tenn.
as Lumber & Mfg. Co., Jackson, Miss.
as Yellow Pine Co., lumber, Jackson, Miss.
e Mills, cotton sheetings, Greenville, S. C.
Fire Escape Co., 522 N. Sangamon, Chicago, Ill.
& Sanderson Co., whol. hdwe., 147 Bushnell, Buffalo, N. Y.
ht, P. J., Co., cornices & skylights, Chicopee Falls, Mass.
, Orvis B., cornices, Indianapolis, Ind.
n, Bickford, Co., blasting fuse, caps, etc., Simsbury, Conn
n Carburetor Co., Inc., 217 E. 17th, Los Angeles, Cal.
n Cotton Mills, Forsyth, Ga.
n, F. V., match safes, Elmira, N. Y.
n Foundry Co., Toledo, Ohio.
n, G. W., Inc., contractors, Harrisburg, Pa.
a Mfg. Co., machsts. & fndrs., 19 brook, Fanueili, Boston Mass.
n Refining Co., lubricants, etc., 10703 Quebec av, S. E. Cleveland, O.
ger Contr. Co., New Rochelle, N. Y.
, G. W., cornices & skylights, Chariton, Ia.
, Franklin, & Co., cornices, Ashland, Mass.
e Bros., contractors, 45 Clinton, Newark, N. J.
rth, L. L., & Son, whol. hdwe., mill & facty. supplies, 344 Front, Hartford, Conn.
man, A., sash, door & blind mfr., 669 73d, Brooklyn, N. Y.
rise Aluminum Co., Massillon, Ohio.
rise Art Glass Wks., Enterprise Bldg., Milwaukee, Wis.
rise Bed Co., Hammond, Ind.
rise Brass Fdry., machsts. & fndrs., Seattle, Wash.
rise Brass Foundry Co., Tacoma, Wash.
rise Brass & Plating Wks., 6th & Baymiller, Cincinnati, O
rise Brass Wks., machsts. & fndrs., Muskegon, Mich.
rise Brick Co., Duluth, Minn.
rise Brick Co., Mountainview, N. J.
Enterprise Brick Wks. Co., Kingsway & Oak Hill R. R. T'ks, St. Louis, Mo.
Enterprise Broom Works, 321 E. Grand av, Chicago, Ill.
Enterprise Carriage Wks., Piqua, Ohio.
Enterprise Coal Co., masons' & bldrs.' matls., East Liverpool, O.
Enterprise Coal & Supply Co., masons' & bldrs.' matls., Elizabeth, N. J.
Enterprise Co., agricultural implements, mill & facty. supplies, etc., Columbiana, Ohio.
Enterprise Contracting Co., dock bldrs., Bessemer Bldg., Pittsburgh, Pa.
Enterprise Cornice Wks., 759 N. Markol, Philadelphia, Pa.
Enterprise Cotton Mills, Enterprise, Ala.
Enterprise Cotton Oil Co., Enterprise, Ala.
Enterprise Cut Glass Co., Elmira Heights, N. Y.
Enterprise Electric Co., transformers, Warren, Ohio.
Enterprise Elec. Nov. Co., 107 Bleecker, New York.
Enterprise Elec. Supply Co., open batteries, Latrobe, Pa.
Enterprise Electric Works, 654 Mission, San Francisco, Cal.
Enterprise Fndry. Co., Auburn, N. Y.
Enterprise Foundry Co., gray iron castings, 1127 Warren av E., Detroit, Mich.
Enterprise Fdry. Co., Kansas City, Mo.
Enterprise Foundry Co., Nixon & Manhattan, N. S., Pitts'bg, Pa.
Enterprise Fndry. Co., Rochester, N. Y.
Enterprise Fdry. Co., 20 Stewart, San Francisco, Cal.
Enterprise Fdry. & Mach. Co., Hattiesburg, Miss.
Enterprise Foundry & Machine Works, Bristol, Tenn.
Enterprise Garnetting Co., absorbent cotton, Cohoes, N. Y.
Enterprise Hdwe. Mfg. Co., Frederick, Md.
Enterprise Iron & Fdry. Co., Fort Worth, Texas.
Enterprise Iron Wks., coal chutes & pumping jacks, Albert Lea, Minn.
Enterprise Iron Wks., fences, gates, posts, etc., Indianapolis, Ind.
Enterprise Lime & Ballast Co., Hyndman, Pa.
Enterprise Lumber Co., Ltd., Alexandria, La.
Enterprise Lbr Co., 677 Melish, Cincinnati, Ohio.
Enterprise Machinery Co., 1600 8th, Minneapolis, Minn.
Enterprise Mach. & Garage Co., Franklin, Ky.
Enterprise Machine Works, Los Angeles, Cal.
Enterprise Machy. Co., Inc., punch & drill presses, 33-34 S. Clinton, Chicago, Ill.
Enterprise Mattress Co., 29 Beverly, Boston, Mass.
Enterprise Mfg Co., cotton sheeting, Augusta, Ga.
Enterprise Mfg. Co., sheet metal stampings, etc., 217 Ash, Akron, Ohio.
Enterprise Mfg. Co., grass catchers, hdwe. specialties, etc., 3d & Dauphin, Philadelphia, Pa.
Enterprise Mfg. & Cons. Co., gas ovens, 1706 Washington av, Kansas City, Mo.
Enterprise Mill Soap Wks., 2229 N. 12th, Philadelphia, Pa.
Enterprise Oil Co., 164 Chandler, Buffalo, N. Y.
Enterprise Optical Mfg. Co., 564 W. Randolph, Chicago, Ill.
Enterprise Paint Mfg. Co., 854 W. Van Buren, Chicago, Ill.
Enterprise Paving & Constr. Co., 8444 B'way, S. E., Cleveland, Ohio.
Enterprise Planing Mill Co., Hillsboro, Ohio.
Enterprise Plumbing Supply Co., 10 E. Kinzie, Chicago, Ill.
Enterprise Rubber Co., mill & facty. supps., 284 Summer, Boston, Mass.
Enterprise Sand Co., Fulton Bldg., Pittsburgh, Pa.
Enterprise Soap Works, Nashville, Tenn.
Enterprise Steam & Hot Water Heating Co., 600 N. Howard Baltimore, Md.
Enterprise Stone Co., contrs., Peoria, Ill.
Enterprise Tool Co., E. 72nd , Cleveland, Ohio.
Enterprise Tool & Metal Wks., 126 S. Clinton, Chicago, Ill.
Entin & Rubin, contractors, 1357 N. Rockwell, Chicago, Ill.
Entlich, Henry M., architect, 413 S. 5th, Brooklyn, N. Y.
Entorf Filter Co., Amboy, Ill.
Entrekin, J. H., masons' & bldrs.' matls., Greenfield, Ill.
Entress Brick Co., common, Bedford av & Duff Hill, Pittsb'h, Pa
Entwistle, T. C., Co., machsts., Lowell, Mass.
Enville Mill & Gin Co., flour, Enville, Tenn.
Enz Iron Fdry. Co., Denver, Colo.
Enzler, Jos. A., trunk mfrs., Dubuque, Iowa.
Epeneter, G. F., Cornice Wks., Omaha, Neb.
Ephraim Sanitary Canning Co., Ephraim, Utah.
Ephrata Fdry & Mach. Wks., Ephrata, Pa.
Ephrata Stove Works, Ephrata, Pa.
Epling, Emery, architect, Lewiston, Idaho.
Eppelsheimer & Co., bakers' molds, 34 Hubert, New York.
Epping-Carpenter Pump Co., deep well, ft. 43d, Pittsburgh, Pa
Eppinger & Russell Co., lbr., etc., 165 B'way, New York.
Eppler's, Jno., Mach. Wks., 629 Filbert, Philadelphia, Pa.
Epps, Orlo, architect, Oneonta, N. Y.
Epstein, Sam'l (Inc.), auto tops, 109 8th av, New York.
Epstein & Vollweller, packing box mfrs., 814 E. 5th, New York
Equipment Co., machy. dlrs., mill & facty. supplies, etc., 1531 Walnut, Kansas City, Mo.
Equipment Mfg. Co., factory trunks, Leader-News Bldg., Cleveland, Ohio.
Equip't Corp. of Am., rebuilt machy., Lumber Exchange bldg, Pittsburgh, Pa.
Equip't Mfg. & Supply Co., contrs.' supplies & wholesale hdwe., 26 N. 5th, Phila., Pa.

Equipoise Rivet Co., header products, light metal stamping, Waterbury, Conn.
Equitable Asphalt Maintenance Co., mixers, 1901 Campbell, Kansas City, Mo.
Equitable Brick Mfg. Co., Perry Bldg., Philadelphia, Pa.
Equitable Coke Co., bituminous coal mine, Oliver bldg, Pittsburgs, Pa.
Equitable Meter Co., machsts. & fndrs., 424 1st av, Pittsburgh, Pa.
Equitable Powder Mfg. Co., East Alton, Ill.
Equitable Window Glass Co., window glass mfgrs., Buckannon, W. Va.
Equitherm Control Corp., thermostats, 30 Church, New York.
Equitherm Temperature Control Corp., 203 Greenwich, New York,
Equity Equipment Co., contrs., Linwood rd & Penn. R. R., Cincinnati, O.
Erb, C. F., machsts. & brass fndrs., Youngstown, O.
Erb Hdwe. Co., Ltd., Lewiston, Idaho.
Erb, Isaac, architect, Port Huron, Mich.
Erb, W. B., & Co., machsts., 527 W. Van Buren, Chicago, Ill.
Erbeck, F. J., contractor, Homestead, Pa.
Erbelding, E. J., Co., heating contractors, Augusta, Ga.
Erbestos Brake Lining Co., 242 N. 17th, Philadelphia, Pa.
Erby, Wm., & Sons Co., carriages, 121 W. Grand av, Chicago, Ill.
Erd Motor Co., machsts., Saginaw, Mich.
Erda, Gustave, architect, 826 Manhattan av, Brooklyn, N. Y.
Erdle Perforating Co., perforated metals, 181 York, Rochester, N. Y. *See adv index at end of book.*
Erdman, Geo. F., lumber, Williamsport, Pa.
Erdman-Guider Co., auto. wood bodies, 2290 Woodward av, Detroit, Mich.
Erhart, Chris., grey iron castings, 1237 W. 6th, Cincinnati, O.
Erich, G. F., Co., masons' & bldrs.' matls., Allentown, Pa.
Ericka Mfg. Co., metal polish & hand soap, Springfield, Mass.
Ericksen, A. G., contractor, 404 N. Prior av, St. Paul, Minn.
Erickson, Andrew L., machsts., Ladd, Ill.
Erickson, Aug., & Co., granite, St. Cloud, Minn.
Erickson & Bissell, lumber, Escanaba, Mich.
Erickson, C. E., & Co., advtg. specialties, Des Moines, Ia.
Erickson Engng. Co., Inc., shipbldrs., Seattle, Wash.
Erickson, G., & Bro., lumber, Fall River, Mass.
Erickson, Herbert, architect, Gary, Ind.
Erickson, J. M., boxes—rural mail, Slater, Ia.
Erickson, John E., machst., Fillmore av & Walter, St. Paul, Minn.
Erickson, L., Elec. Co., reflectors, 6 Portland, Boston, Mass.
Erickson, Louis, & Son, contractors, Ishpeming, Mich.
Erickson & Petterson, contractors, railroad, Monadnock Bldg., San Francisco, Cal.
Erickson Soap Co., Hartford, Conn.
Ericson, J. R., contr., Orion, Ill.
Ericsson, Henry, Co., contractors, 139 N. Clark, Chicago, Ill.
Ericsson Mfg. Co., magnetos, Buffalo, N. Y.
Ericsson Screw Mach. Products Co., Inc., 609 Bergen, Brooklyn, N. Y.
Erie Art Metal Co., Erie, Pa.
Erie Basin Dry Dock, ft. of Beard & Lond Dock, B'klyn, N. Y.
Erie Blue Stone Association, 341 5th av, New York.
Erie Bronze Co., 353 W. 19th, Erie, Pa.
*See adv. index at end of book.*
Erie-Buffalo Tube Co., seamless tubes, Erie, Pa.
Erie Bldg. Co., 1175 Hertel av, Buffalo, N. Y.
Erie Burial Case Co., coffins, caskets, etc., Erie, Pa.
Erie Button Wks., Erie, Pa.
Erie Car Works, mfrs. industrial cars, 1150 W. 17th, Erie, Pa.
Erie City Iron Works, steam boiler engines & tanks, Erie, Pa.
Erie City Mfg. Co., carpet beaters, handles, mops, etc., Erie, Pa.
Erie Clutch & Mach. Co., flanged pulleys, Cuyahoga Falls, Ohio.
Erie Clutch & Pulley Co., hoisting machinery, Erie, Pa.
Erie Constr. Co., Marine Natl. Bk. Bldg., Buffalo, N. Y.
Erie Contr. Co., D. S. Morgan Bldg., Buffalo, N. Y.
Erie Crucible Steel Co., Erie, Pa.
Erie Elec. Blue Print Co., Erie, Pa.
Erie Engine Works, engine & boiler builders, Erie, Pa.
Erie Forge Co., forgings in carbon & alloy steels, Erie, Pa.
Erie Foundry Co., drop hammers, 12th & Cranberry, Erie, Pa.
Erie Fndry. Co., Rochester, N. Y.
Erie Gas Mantle Mfg. Co., Erie, Pa.
Erie Hard Wall Plaster Co., Erie, Pa.
Erie Hardware Co., Erie, Pa.
Erie Iron & Metal Co., Erie, Pa.
Erie Iron & Steel Co., iron & steel scrap, Erie, Pa.
Erie Lay Boy Co., paper stackers, Erie, Pa.
Erie Machine Shops, road rollers, Erie, Pa.
Erie Malleable Iron Co., automobile castings, Erie, Pa.
Erie Metal Products Co., stampings, etc., 644 W. 12th, Erie, Pa.
Erie Mfg. & Supply Co., mill & factory supplies, Erie, Pa.
Erie Mop & Wringer Co., Erie, Pa.
Erie Motor Co., auto bldrs., Painesville, Ohio.
Erie Motor Truck Co., Erie, Pa.
Erie Oil Co., lubrg., Erie, Pa.
Erie Pail Facty., Erie, Pa.
Erie Plumbers' Supply Co., Erie, Pa.
Erie Pump & Engine Works, Inc., 141 Glenwood av, Medina, N. Y. *Sce adv index at end of book.*
Erie Reduction Co., fertilizer mfrs., Erie, Pa.



Erie Sand & Gravel Co., Erie, Pa.
Erie Specialty Co., aircraft metal parts & screw mach. produc Erie, Pa.
Erie Steel Construction Co., elec. traveling & hand pow cranes, Erie, Pa.
Erie Stone Co., Toledo, Ohio.
Erie Tire & Rubber Co., Sandusky, Ohio.
Erie Toe Calk Mach. Co., Erie, Pa.
Erie Tool Wks., machsts., Erie, Pa.
Erie Trailer Mfg. Co., auto. truck trailers, Erie, Pa.
Erie White Metal Co., fndrs., Erie, Pa.
Erie Window Glass Co., Erie, Pa.
Erieg, Wm. J., paint mfrs., Williamsport, Pa.
Eriez Stove & Mfg. Co , Erie, Pa.
Erikson, L., Elec. Co., lamp adapters, 6 Portland, Boston, Ma
Erixson, Fred. A., contractor, Salem, Ore.
Erk Bros., cornices, Honesdale, Pa.
Erkenbrach, Geo. A., Co., soluble cotton, ammonia, acetone, e chem., 115 Maiden la, New York.
Erker, Adam M., cornices, 432 W. 37th, New York.
Erker, Walter S., Esq., architect, Henne Bldg., Los Ange Cal.
Erkins Studios, sun dials, 227 Lexington av, New York.
Erlandsen, Julius, machinist, 172 Centre, New York.
Erlbacher, B., machinist, Cape Girardeau, Mo.
Erler, Richard W., architect, 45 Clinton, Newark, N. J.
Ermeling, Ralph W., architect, 155 N. Clark, Chicago, Ill.
Ermold, Edw., Co., labeling machs., 656 Hudson, New York.
Ermold, Geo. Co., surgical instruments, 362 2d av, New Y
Ernecke & Salmstein Co., paints, enamels, etc., 944 W. N av, Chicago, Ill.
Erner Electric Co., knife switches, St. Clair av & E. 2d, Cle land, Ohio.
Ernest Coal Co., Johnson City, Ill.
Ernsdorff, John, Iron Co., Dubuque, Ia.
Ernst, B., Bros., meat packers, 2920 N. 6th, Philadelphia, P
Ernst, C. K., ash can conveyors, etc., Buffalo, N. Y.
Ernst, Chas., architect, Tiffin, Ohio.
Ernst, Chas. K., ash hoists, conveyors, etc., 1001 E. Ferry, B falo, N. Y.
Ernst, Frank, lumber mfrs., Bleecker, N. Y.
Ernst, Gustave, arch'l iron, 505 E. 165th, New York.
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Ernst, Louis, & Sons, whol. hdwe., mill & facty. supplies, etc., South av, Rochester, N. Y.
Ernst's, Chas. F., Sons, iron fndrs. & machsts., Buffalo, N. Y
Erny, Hy., ice cream machs., etc., 75 Fulton, New York.
Errington, F. A., machinist, 39 Cortlandt, New York.
Errington, Geo. E., contr., Napa, Cal.
Erskine, Alex., woolen blankets, 4th & Somerset, Phila., Pa.
Erskine, Jas. Lowe, Co., brushes, 462 Greenwich, New York.
Ertel, Geo., Co., agricultural implements, Quincy, Ill.
Erth Lithe Mfg. Co., acetylene gas machy., Charleston, Ill.
Ertz, C. W., architect, Pittock Blk., Portland, Ore.
Ervien, Chas. W., & Co., steel plate wk., stacks, tanks, etc., nango & G, Philadelphia, Pa.
Ervin Bros. Co., wholesale hardware, Jackson, Ohio.
Ervin, D. S., Co., lime, Cedarville, Ohio.
Ervin Mfg. Co., mattresses, El Paso, Tex.
Erving Paper Mills, Erving, Mass.
Erwin, Arch. B., stone producers, Port Kennedy, Pa.
Erwin & Co., machinists, 3736 Cottage Grv. av, Chicago, Ill.
Erwin Cotton Mills Co., West Durham, N. C.
Erwin, Hy., & Sons, mortar color mfrs., Bethlehem, Pa.
Erwin, J. M., flour, Byers, Tex.
Erwin Mfg. Co., fire extinguishers, mfrs., Montgomery B Milwaukee, Wis.
Erwin Motor & Machine Co., 31st & Dauphin, Phila., Pa.
Esbjornsson, John, masons' & bldrs.' matls., Litchfield, M
Escambia Land & Mfg. Co., see Escambia Mill Co. (succes
Escanaba Hardware Co., Escanaba, Mich.
Escanaba Mfg. Co., paper & wood plates & handles, etc., Louis, Mo.
Escanaba Wood Fibre Co., paper, Escanaba, Mich.
Esche-Nelson Milling Co., wheat flour, Manawa, Wis.
Eschmann, B. & J., marble wk., 412 E. 37th, New York.
Eschweller, Alex., Co., architect, Goldsmith Bldg., Milwau Wis.
Esenwein & Johnson, architects, 775 Ellicott sq., Buffalo, N.
Esenwine, Geo. W., founders, Salona, Pa.
Esfile Mfg. & Supply Co., hickory handles, Toledo, Ohio.
Eshelman, David, & Son, contractors, Anderson, Ind.
Eshelman, Jas. C., contractor, 35 N. Dearborn, Chicago, Ill.
Eshelman, U. H., contractor, Franklin, Pa.
Eskrigge, Frank T., architect, 17 Milk, Boston, Mass.
Esleeck Mfg. Co., paper & pulp mills, Turners Falls, Mass.
Esler, Samuel M., switches, 59 E. Adams, Chicago, Ill.
Eslien Sheet Metal Wks., 1001 30th, Milwaukee, Wis.
Esmeralda Canning Co., Circleville, Ohio.
Esmond Mills, blankets, carriage robes, Esmond, R. I.
Espedahl, Jacob, architect & contr., Daytona, Fla.
Espen-Lucas Machine Works, machinery mfrs., 21 Girard, P delphia, Pa.
Ess Bros., machinists, Chaska, Minn.
Essanay Film Mfg. Co., 1333 Argyle, Chicago, Ill.
Essanbee Mine Co., coal, 808 Dearborn, Chicago, Ill.

ebagger, C. M., architect, Empire Theatre Bldg., Grand Rapids, Mich.
en Aniline Wks., So. Middleton, Mass.
ena, Chas., contractor, Somerville, Boston, Mass.
enkay Prod. Co., rubber substitutes & tire filler, Superior & Franklin, Chicago, Ill.
ential Oil Specialties Co., Inc., terpine-hydrate, Grassland, Pa.
enwanger, Chas., & Son., cornices, 280 E. 148th, New York.
er, Herman J., architect, Camp Bldg., Milwaukee, Wis.
er, John F., storage batteries, 1206 2d av, New York.
er & Schmidt, cornices & skylights, Hartford, Wis.
ex Brass Fndry. Co., Cambridge, Mass.
ex Construction Co., 87 Academy, Newark, N. J.
ex Cornice Wks., 107 Houston, Newark, N. J.
ex Engine Co., Lynn, Mass.
ex Fndry., Murray, Newark, N. J.
ex, G. B., Brass Co., dial cocks, lubricators, pumps, etc., 480 Franklin, Detroit, Mich.
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x Varnish Co., 218 McWhorter, Newark, N. J.
x Wood Heel Co., Haverhill, Mass.
& Myers, brick, N. 2d n. Butler, Philadelphia, Pa.
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ueller Mill Furnishing Co., 1222 S. 8th, St. Louis, Mo.
n Sand & Gravel Co., 111 W. Washington, Chicago, Ill.
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brook's, R., Sons, plumbers' supplies—jobbers, 202 1st, Boston, Mass.
te Stove Co., elec. cooking app., Hamilton, Ohio.
Chas., Co., lumber, 3d & Allegheny, Philadelphia, Pa.
, Chas. A., & Son, masons' & bldrs.' matls., Portland, Mich
, Harry S., architect, Empire Bldg., Pittsburgh, Pa.
, Miles E., landscape arch., Paulsen Bldg., Spokane, Wash.
W. E., htg. contrs., Auburn, Wash.
brook, H. E., architect, 1463 Fulton, Brooklyn, N. Y.
brook Steel Pen Mfg. Co., machinists, Camden, N. J.
green, F. E., machinist, Hastings, Minn.
line Co., watermeters, tachometers, recorders, etc., Indianapolis, Ind.
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L. V., efficiency engineers, 202 S. State, Chicago, Ill.
Mills, cordage, twine & waste mfrs., Fall River, Mass.
Bros. Co., elevator gates & cabs, wire cloth & wire work, 270 Union av, Brooklyn, N. Y.
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Organ Co., pianos, Brattleboro, Vt.
Piano Co., So. Blvd. & Lincoln av, New York.
Wire Wks. Co., wire goods mfrs., 34 Cliff, New York.
& O'Brien Boiler Co., Portland, Me.
Sprinkler Co., machsts. & fndrs., Laconia, N. H.
ng Co. of Am., advtg. spec., 1521 Montana, Chicago, Ill.
nson, J. W., contr., Casey, Ill.
dge, J. E., Lumber Co., Norfolk, Va.
ton, E. E., Co., contractors, Monadnock Bldg., San Francisco, Cal.
n Fertz. Co., Charleston, S. C.
Co., machinists & founders, Taunton, Mass.
Forge & Bolt Co., House Bldg., Pittsburgh, Pa.
Foundry Co., Etna, Pa.
Machine Co., machsts. & fndrs., metal cutting-off machines, Maplewood av., Toledo, Ohio.
, E. D., & Co., street sprinkling carts & wagons, Oregon, Ill.
iler, Wm., mill & facty. supplies, 230 N. 3d, Phila., Pa.
Bros., brick, Dupont, Ohio.
, A. E., flour, David City, Neb.
er, J. M., heaters, 70 W. Lake, Chicago, Ill.
ger, Louis, & Sons, jewelry cases, 65 Nassau, New York.
ger Sign Co., advtg., 431 S. Dearborn, Chicago, Ill.
n, H. L., Sponge Co., 1112 Pine, St. Louis, Mo.
M., & Sons, Inc., wood auto. bodies, 101 Fairmont av, New Haven, Conn.
k Canning Co., Eubank, Ky.
k Tankard Co., canned goods, Kilmarnock, Va.
Av. Electric Fixture Co., 5213 Euclid av, Cleveland, O.
Av. Lumber Co., 11710 Euclid av, Cleveland, Ohio.
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Furnace & Cornice Wks., 796 N. Euclid, St. Louis, Mo.
Mach. & Engng. Co., spec. machy., 40 Noble rd, Cleveland, O.

Euclid Mfg. Co., acid storage tanks, Paden City, W. Va.
Euclid Stone & Brick Co., Cleveland, Ohio.
Euell, Geo. Raymond, architect, 125 Sherman av, New York.
Eufaula Cotton Oil Co., cotton seed & peanut oils, Eufaula, Ala.
Eugene Fruit Growers' Assn., canned goods, Eugene, Ore.
Eugene Woolen Mill Co., carriage robes, Eugene, Ore.
Euneka Blotter Bath Co., humidifying apparatus, 6221 Wentworth av, Chicago, Ill.
Eureka Art Glass Co., 2915 Lincoln, Chicago, Ill.
Eureka Automatic Elec. Signal Co., Tamaqua, Pa.
Eureka Bending & Wheel Works, wood bending, York, Pa.
Eureka Blotter Bath Co., 6221 Wentworth av, Chicago, Ill.
Eureka Boiler Works Co., 166 Fremont, San Francisco, Cal.
Eureka Brass Co., 601 Red Bud av, St. Louis, Mo.
Eureka Brass Wks., brass valves & unions, 1040 Hulbert av, Cincinnati, Ohio.
Eureka Brick Co., Norfolk, Va.
Eureka Button Co., 684 B'way, New York.
Eureka Calcium Wks., see Pomeroy Chem. Co. (successor).
Eureka Cedar Lumber & Shingle Co., Hoquiam, Wash.
Eureka Chemical Co., paint mfrs., 970 Grand av, B'klyn, N. Y.
Eureka Co., armatures, machsts. & fndrs., North East, Pa.
Eureka Co., carriages, Rock Falls, Ill.
Eureka Cotton Mills, cotton twine, Englewood, Tenn.
Eureka Cotton Mills, sheetings, Lancaster, S. C.
Eureka Digger Co., machsts., 227 W. Huron, Chicago, Ill.
Eureka Fence Mfg. Co., Richmond, Ind.
Eureka Fire Brick Wks., Mount Braddock, Pa.
Eureka Fire Hose Mg. Co., 27 Barclay, New York.
Eureka Flint & Spar Co., silicia mfrs., Trenton, N. J.
Eureka Fluid Wks., chemicals, 1209 Valencia, San Francisco, Cal.
Eureka Foundry Co., Chattanooga, Tenn.
Eureka Granite Co., Hardwick, Vt.
Eureka Htg. & Ventg. Co., Saginaw, Mich.
Eureka Instrument & Appliance Co., 419 Granite Bld., Rochester, N. Y.
Eureka Iron & Wire Works, 374 11th, San Francisco, Cal.
Eureka Lamp Co., 424 Columbia, Weehawken, N. J.
Eureka Machine Co., machsts. & fndrs., Lansing, Mich.
Eureka Machine Co., machy., Cleveland, Ohio.
Eureka Mfg. Co., drainage fittings & traps, Indianapolis, Ind.
Eureka Mfg. Co., oilers, Council Bluffs, Ia.
Eureka Mills Co., 711 S. Theresa av, St. Louis, Mo.
Eureka Mower Co., agricultural implement mfrs., 16 Hickory, Utica, N. Y.
Eureka Nut Lock Co., see Iron City Tool Wks. (successors).
Eureka Packing Co., sheet packing, 78 Murray, New York.
Eureka Paper Co., 265 W. B'way, New York, & Fulton, N. Y.
Eureka Planing Mill & Lumber Co., sash, door & blind, Fostoria, Ohio.
Eureka Paving Co., contrs., Houston, Tex.
Eureka Pneumatic Spray Co., 62 9th av, New York.
Eureka Rubbing Stone Co., 157 W. Austin, Chicago, Ill.
Eureka Sash, Door & Moulding Mills, 1715 Mission, San Francisco, Cal.
Eureka Silk Mfg. Co., silk thread, Putnam, Conn.
Eureka Slate Mfg. Co. (Ltd.), roofing slate mfrs., Slatington, Pa.
Eureka Slate Quarries, Fair Haven, Vt.
Eureka Smokeless Furnace Co., fuel economizers, 1215 Chamber of Commerce Bldg., Chicago, Ill.
Eureka Spec. Printing Co., gummed labels & trading stamps, Scranton, Pa.
Eureka Spring Co., 150 Bleecker, New York.
Eureka Supply Co., archl. iron, Chattanooga, Tenn.
Eureka Supply Co., terminal blocks, nails, elec. cable hangers & battery holders, Sewell, N. J.
Eureka Tackle Block Co., 324 E. 2nd, Cincinnati, Ohio.
Eureka Vacuum Cleaner Co., 101 B'way, Detroit, Mich.
Eureka Vibrator Co., 131 W. 42d, New York.
Eureka Water Heater Co., 37 W. Lake, Chicago, Ill.
Eurich, Frank, Jr., architect, 173 Main, Hackensack, N. J.
European Color & Chemical Co., Hoboken, N. J.
European Knitting Mills, sweaters, cardigans, etc., 80 Manhattan av, Brooklyn, N. Y.
Eustis, J. P., Mfg. Co., bathroom accessories mfrs., Cambridge, Mass.
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Euston Process Co., white & red lead mfrs., Scranton, Pa.
Euston White Lead Co., Wabash tracks, St. Louis, Mo.
Evangeline Iron Works, Evangeline, La.
Evans, A. E., contractor, 5 McIntyre av, Pittsburgh, Pa.
Evans, A. J., Canning Co., Fort Valley, Ga.
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Evans, B. A., agricultural implements, Hammond, N. Y.
Evans, B., & Bro., masons' & bldrs.' matls., Norristown, Pa.
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Evans Bros., contractors, Lafayette, Ind.
Evans Bros. Const. Co., 2312 6th av S. F., Birmingham, Ala.
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Evans & Calloway, lbr., Fowler, Ind.
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Evans, Chas. P., sash, door & blind mrs., Rochester, N. Y.

Evans, Clark W., architect, Coal Exchange Bldg., Wilkes-Barre, Pa.
Evans Clay Mfg. Co., Uhrichsville, Ohio.
Evans & Co., wool wadding, Lockport, N. Y.
Evans & Convery, rubber & steel stamps, stencils, etc., 24 N. 6th, Philadelphia, Pa.
Evans & Coppins Co., machsts., Princeton, Ill.
Evans Creek Lb. Co., Dorris, Cal.
Evans, Dan'l, Const. Co., Odd Fellows Bldg., St. Louis, Mo.
Evans Devices Corp., addressing machs., 745 Main, Buffalo, N. Y.
Evans & Eichner, oven bldrs., 29 W. Lake, Chicago, Ill.
Evans, Evan, contractor, 1226 Ida, Cincinnati, O.
Evans, F. H., Est. of, expansion bolts, heaters, etc., 31 Hewes, Brooklyn, N. Y.
Evans, Fred A., architect, Book bldg, Detroit, Mich.
Evans Friction Cone Co., pulleys, variable speed transmission, etc., Newton Centre, Mass.
Evans, G. H., Lumber Co., Chattanooga, Tenn.
Evans, H. C., & Co., toys, games & nov., 1522 W. Adams, Chicago, Ill.
Evans, H. R., & So., contrs., 10 Mathewson, Providence, R. I.
Evans, I H., turpentine, Halcyon Dale, Ga.
Evans, John A., Co., ventg. app. for power plants, etc., Richmond, Ind.
Evans, John E., pump valves, Nutley, N. J.
Evans, Jno., & Co., archl. modelers & sculptors, 77 Huntington av, Boston, Mass.
Evans, John, Sons, machsts., 506 N. 13th, Philadelphia, Pa.
Evans, John, Stone & Lime Co., Marion, Ohio.
Evans, Jos. T., masons' & bldrs.' matls., Riverton, N. J.
Evans-Lee Co., masons' & bldrs.' matls., Eau Claire, Wis.
Evans & Liddle, corn brooms, Lockport, N. Y.
Evans Linseed Oil Co., Indianapolis, Ind.
Evans Mfg. Co. (Ltd.), machsts. & fndrs., Butler, Pa.
Evans Marble Co., marble producers, Ranstead Wharf, Baltimore, Md.
Evans, Melvern R., architect, 10½ E. Orange, Lancaster, Pa.
Evans Milling Co., cereal foods, Indianapolis, Ind.
Evans Mill Supply Co., 212 Summer, Boston, Mass.
Evans Mold & Fndry. Co., Uniontown, Pa.
Evans Oil Wks., 637 Elsinore, Cincinnati, Ohio.
Evans, Oscar E., & Co., architects, 2569 Mission, San Fran., Cal.
Evans Products Corpn., duplicators, 46 Murray, New York.
Evans, R. H., & Co., contractors, Columbus Savings & Trust Bldg., Columbus, Ohio.
Evans, S. T., contractor, Mount Vernon, N. Y.
Evans, S. W., & Son, machsts. & fndrs., 4623 Paul, Phila., Pa.
Evans & Son, masons' & bldrs.' matls., Thomasville, Ga.
Evans Stamping & Plating Co., marine gears & tapping machines, Taunton, Mass.
Evans, T. L., Sons, stone producers, Danville, Pa.
Evans, Thos. E., brick, Reynoldsville, Pa.
Evans, Wm. F., Jr., architect, Bremerton, Wash.
Evans, Victor J., & Co., patent attorney, Victory bldg, Washington, D. C.
Evans, W. L., vanishing door hinges, wardrobes & telephone booths, Washington, Ind.
Evans, W. P., granite prod., Lithonia, Ga.
Evans, W. S., & Son, lumber, Elba, La.
Evans & Warner, architects, Witherspoon Bldg., Phila., Pa.
Evans, Wylie H., architect, 612 Ohio, Terre Haute, Ind.
Evanston Bldg. Matl. Co., masons.' & bldrs.' matls., & contractors, Evanston, Ill.
Evansville Brass Wks., Evansville, Ind.
Evansville Brick & Tile Co., Evansville, Ind.
Evansville Broom Co., Evansville, Ind.
Evansville Canning Co., Evansville, Wis.
Evansville Coffin Co., Evansville, Ind.
Evansville Desk Co., Evansville, Ind.
Evansville Gas Engine Wks., Evansville, Ind.
Evansville Lthr. & Belting Co., Evansville, Ind.
Evansville Mattress & Couch Co., Evansville, Ind.
Evansville Metal Bed Co., Evansville, Ind.
Evansville Oil Co., lubrg., Evansville, Ind.
Evansville Packing Co., meat packers, Evansville, Ind.
Evansville Paint & Varnish Co., plate glass, Evansville, Ind.
Evansville Planing Mill Co., Evansville, Ind.
Evansville Sand & Gravel Co., Evansville, Ind.
Evansville Sash & Door Co., Evansville, Ind.
Evansville Stove Wks., Evansville, Ind.
Evansville Supply Co., machsts' tools & steam fitters' supplies, Evansville, Ind.
Evansville Surprise Bed Spring Co., Evansville, Ind.
Evansville Tool Wks., machsts. & fndrs., Evansville, Ind.
Evansville Trunk Co., Evansville, Ind.
Evansville Veneer Co., Evansville, Ind.
Evarts Machine Co., piston rings, Hartford, Conn.
Evatt Constr. Co., 161 Devonshire, Boston, Mass.
Eveland Electric Riveter Co., W. End Tr. Bldg., Phila., Pa.
Eveland, G. H., canned goods, Miamiville, Ohio.
Evens & Howard Fire Brick Co., 920 Market, St. Louis, Mo.
Evenson-Utterberg, contrs., Bldrs'. Exch., Minneapolis, Minn.
Evensta, E. G., & Co., contrs., Blds'. Exch., Minneapolis, Minn.
Ever Ready Mfg. Co., fire extinguishers, 44 Pearl, Buffalo, N. Y.
Ever-Ready Oil Co., Ridgewood, N. J.
Ever Tight Piston Ring Co., 3124 Locust, St. Louis, Mo.

Everal, F. H., & Co., tile, Westerville, Ohio.
**EVEREADY MFG. CO., OF BOSTON,** paper clip & faste machine mfrs., 5 Knapp, Boston, Mass.
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Evered Fndry. & Mach. Wks., Superior, Wis.
Everest, W. S., carriages, Easthampton, N. Y.
Everett, A. F. N., architect, Walton Bldg., Atlanta, Ga.
Everett, A., & Son, letters & figures, Auburn, N. Y.
Everett & Barron Co., shoe blacking & marking inks, 359 Ca Providence, R. I.
Everett Brick Co., common, Everett, Wash.
Everett Bros., fertilizer mfrs., Rockingham, N. C.
Everett Constr., Co., Everett, Wash.
Everett Fibre Products Corp., barrels, 347 Madison av, York.
Everett Flour Mill Co., Everett, Wash.
Everett Hdwe. Co., whol., Rockingham, N. C.
Everett, J. A., hand seed sowers, Indianapolis, Ind.
Everett, J. F., architect, Boston Blk., Seattle, Wash.
Everett, J. Guy, Co., cornices, 1119 W. Market, Louisville,
Everett Mfg. Co., wagon dump boxes, Newark, N. Y.
Everett Marine Ways, Inc., dry docks, Everett, Wash.
Everett Mills, denims, 120 Franklin, Boston, Mass.
Everett Mutual Mill Co., Everett, Wash.
Everett Packing Co., canned goods, Everett, Wash.
Everett Piano Co., Albany, Boston, Mass.
Everett Pulp & Paper Co., Lowell, Wash.
Everett Sand & Gravel Co., Everett, Wash.
Everett Supply Co., mill supplies, Charters, New Orleans,
Everett Sash & Door Co., Everett, Wash.
Everett Shingle Co., lumber, Everett, Wash.
Everett, W. D. J., masons' & bldrs.' matls., West Milton, Oh
Everglades Cypress Co., Loughman, Fla.
Evergreen Lbr. Co., Puyallup, Wash.
Evergreen Stone Wks., Decatur & Myrtle, Brooklyn, N. Y.
Evergrip Gliding Caster Co., 261 Canal, New York.
Everham, Melville B., contractor, Chamber of Com., De Mich.
Everhard Co., brick, Massillon, Ohio.
Everhard Mfg. Co., ball bearings, Canton, Ohio.
Everhart, A. C., contractor, Williamsport, Pa.
Everhart Brass Works, 422 Penn. av, Scranton, Pa.
Everitt Bros., auto. tops, 669 Mack av, Detroit, Mich.
Everlasbestos Flooring Co., composition flooring, 95 North ester, N. Y.
Everlastik, Inc., webbing mfrs., 395 B'way, New York.
Everlasting Valve Co., 2 Rector, New York.
Everly, Wm., contractor, 314 Newton Claypool Bldg., In apolis, Ind.
Everman, Walton, architect, Bartlesville, Okla.
Evers, Geo. C., cornices & skylights, Spokane, Wash.
Evers, Henry A., steel stamps, 44 Washington, Providence,
Evers Iron Works, machsts. & fndrs., 1569-71 Merwin, Cleveland, Ohio.
Evers, Jno., Estate, molding sand, Waterford, N. Y.
Eversharp Pencil Co., 1800 Roscoe, Chicago, Ill.
Eversole, A. B., ties & poles, Buckhorn, Ky.
Everson, C. G., & Co., elec. & gas light fixtures, 70 W. Lake cago, Ill.
Everson & Co., granite, Rutland, Vt.
Everson Filter Co., 70 W. Lake, Chicago, Ill.
Everson Mfg. Co., hand vacuum cleaners, 271 Franklin, B Mass.
Everson & Reed Co., rubber stamps, 88 Chambers, New Yo
Everson, T. Bissell, machy. dlrs., Granite Bldg., Pittsburg
Everstick Anchor Co., handles, clamps, etc., 1624 N. St Louis, Mo.
Ever-Tight Piston Ring Co., 1600 Kingsland av, St. Louis
Everwear Mfg. Co., playground equipment, Springfield, Oh
Everybody's Vacuum Cleaner Co., 80 5th av, New York.
Eves, A. W., lbr., Iola, Pa.
Evick, Thomas A., flour mills, Ceredo, W. Va.
Evinrude Motor Co., gas engines, 279 Walker, Milwaukee,
Evrbest Milling Corp., flour & feed, Corry, Pa.
Ewald & Allen, architects, Rialto bldg, St. Louis, Mo.
Ewald, F. H., contractor, Morrisville, Pa.
Ewald Iron Co., Louisville, Ky.
Ewart, A. C., architect, Beck Building, Portland, Ore.
Ewbank Elec. Transmission Co., auto. bldrs., Portland, Or
Ewers Bros., contractors, 189 W. Broad, Columbus, O.
Ewert & Kutscheid Mfg. Co., squaring shears, 921 W. 4 Chicago, Ill.
Ewing & Allen, archits., 101 Park av, N. Y.
Ewing, B., flour mills, Springville, Ala.
Ewing Blaine, architect, 681 5th av, New York.
Ewing & Brockenbrough, contractors, Lafayette, Ind.
Ewing & Chappell, architects, 101 Park av, New York.
Ewing, H. Norwood, Co., toilet paper, Woolworth Bldg. York.
Ewing & Hooper, trunks, Nashville, Tenn.
Ewing, Jas., machst. & fndr., Fremont, Ind.
Ewing, W. R., Inc., contractor, 112 W. Adams, Chicago, Il
Excel Mfg. Co., tool & machine work, 7 Sherman, Charle Mass.
Excel Mfg. Co., machsts., fndrs. & feed grinding & oil cake Pottersville, N. J.

xcel Safety Gas Valve Co., 5726 Euclid av, Cleveland, Ohio.
xcello Mfg. Co., asbestos products, 1836 Euclid av, Cleveland, Ohio.
xcelsior Bag & Mfg. Co., canvas bags, hammocks, etc., Troy, N. Y.
xcelsior Ball Clay Co., modeling & potters' supplies, Cincinnati, Ohio.
xcelsior Bobbin & Spool Co., Newtown, Pa.
xcelsior Box Co., 311 S. Jefferson, Chicago, Ill.
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xcelsior Brass Works, Reading, Pa.
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xcelsior Brick Co., Denver, Colo.
xcelsior Brick Co., Fredonia, Kan.
xcelsior Brick Co., Haverstraw, N. Y.
xcelsior Brick Co., Menomonie, Wis.
xcelsior Brick Co., Montgomery, Ala.
xcelsior Buggy Co., carriages, Goshen, Ind.
xcelsior Car Roof Co., 207 N. 8th, St. Louis, Mo.
xcelsior Carriage Co., Watertown, N. Y.
xcelsior Cereal Milling Co., 726 Santa Fe av, Los Angeles, Cal.
xcelsior Cornice Wks., 1926 S. Colorado, Philadelphia, Pa.
xcelsior Cycle Store, machinists, 5340 B'way, Chicago, Ill.
xcelsior Cypress Co., Timberton, La.
xcelsior Drill Co., agricultural implements, Springfield, Ohio.
xcelsior Fire Clay Co., Lisbon, Ohio.
xcelsior Foundry Co., Belleville, Ill.
xcelsior Granite Co., Montpelier, Vt.
xcelsior Hardware Co., Stamford, Conn.
xcelsior Illustrating Co., Inc., slides, 218 6th av, New York.
xcelsior Knitting Machine Mfg. Co., Allentown, Pa.
xcelsior Leather Washer Mfg. Co., 323-329 Cedar, Rockford, Ill.
xcelsior Lock & H'dwe Co., Lancaster, Pa.
xcelsior Loom Reed Wks., Pawtucket, R. I.
xcelsior Mixer & Machy. Co., Milwaukee, Wis.
xcelsior Motor Mfg. & Supply Co., 3701 Cortland, Chicago, Ill.
xcelsior Nickel Plating Wks., 40 Clifford, Providence, R. I.
xcelsior Package Handle Co., 118 N. 2nd, Philadelphia, Pa.
xcelsior Pearl Wks., 178 Grand, New York.
xcelsior Plating Co., padlock locks, Lancaster, Pa.
xcelsior Pocahontas Coal Co., Excelsior, W. Va.
xcelsior Powder Mfg. Co., dynamite mfrs., Kansas City, Mo.
xcelsior Press Brick Co., 1010 Chestnut, St. Louis, Mo.
xcelsior Pulley Co., Cuba, N. Y.
xcelsior Seat Co., carriage bodies, 5th av & River rd, Columbus, Ohio.
xcelsior Slate Co., Pen Argyl, Pa.
xcelsior Steam Engine & Mach. Co., 32 Friendship, Providence, R. I.
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xcelsior Supply Co., excelsior, 1732 Merwin rd, Cleveland, Ohio.
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xcelsior Tool & Machine Co., 32d & Ridge, E. St. Louis, Ill.
xcelsior Traveling Goods Co., 612 S. Canal, Chicago, Ill.
xcelsior Trunk Co., 606 Delaware, Kansas City, Mo.
xcelsior Umbrella Mfg. Co., 73 Summer, Boston, Mass.
xcelsior Valve Co., 108 Fulton, New York.
xcelsior Varnish Works, 1242 W. 74th, N. W., Cleveland, Ohio.
xcelsior Varnish Wks., 261 B'way, New York.
xcelsior Whiting Wks., York & Almond, Philadelphia, Pa.
xcelsior Wrapper Co., excelsior pads, Sheboygan, Wis.
xcelsior Wrapper Co., excelsior pads, 224 W. Kinzie, Chicago, Ill.
xcelsior Wrapper Co., excelsior pads, Grand Rapids, Mich.
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xchange Lumber Co., Roanoke, Va.
xchange Mill Co., flour, Grafton, W. Va.
xclusive Advtg. Co., advtg. nov., Oak Park, Ill.
xeter Brass Wks., Exeter, N. H.
xeter Mach. Wks., Pittston, Pa.
xeter Mfg. Co., cotton sheetings, Exeter, N. H.
xine & Son, machinists, North Baltimore, Ohio.
xner, Paul J., & Son, contractors, 109th & E. R., New York.
xon Co., abrasives, 156 6th, Cambridge, Mass.
xpanded Metal Engng. Co., 8 W. 40th, New York.
xport Am. Industries, trade publication, 30 Church, New York.
xport Cooperage Co., Leslie, Ark.
xport Lbr. Co., 15 William, New York.
xport Phosphate Co., 87 Milk, Boston, Mass.
xportador Am., trade publication, 17 Battery pl, New York.
xporters & Importers Journal, 17 State, New York.
xporters' Review, trade publication, 80 Broad, New York.
xposition Cotton Mills, cotton sheetings, Atlanta, Ga.
xpress Spark Plug Co., 1367 Penn. av, Washington, D. C.
xpert Tool Co., leather & drive punches, 40 Lincoln, Boston, Mass.
xman, Edw., contractor, Wilkes-Barre, Pa.
xmann, G., & Bro., bldg. contrs., 1216 S. Grand av, St. Louis, Mo.
xon-Evans Mfg. Co., engrs. specialties & brass comp. castings, N. 15th & Clearfield, Philadelphia, Pa.
xon-Shoemaker, contractors, Com. Trust Bldg., Philadelphia, Pa.
xon, Wilson, architect, 1003 Spruce, Philadelphia, Pa.

Eyre, Wilson & McIlvaine, architects, 317 Lexington av, New York.
Eyres, Jack, contrs., Le Mars, Ia.
Eyring, E., & Sons, contractors, 800 S. 3d, Baltimore, Md.
Eyssell, M., Const. Co., 3rd Nat'l Bank bldg, St. Louis, Mo.
Eyster, Weiser Co., machsts. & fndrs., York, Pa.
Ezell-Griffin Co., fertilizer, Eatonton, Ga.
E-Z Mfg. Co., animal traps, Galesburg, Ill.
E-Z Opener Bag Co., Decatur, Ill., & Fulton, N. Y.
Ezzell Mill & Stone Co., Newsoms Station, Tenn.
Faas, Chas. R., machsts., 34 S. 6th, Brooklyn, N. Y.
Fabbri, Frank, contractor, Litchfield, Conn.
Faber, A. W., lead pencils, rubber bands, 41 Dickerson, Newark, N. J.
Faber, Eberhard, fountain pen & crayon mfr., 200 5th av, New York.
Faber, Eberhard Pencil Co., 37 Greenpoint av, B'klyn, N. Y.
Faber, Eberhard Rubber Co., erasers, Newark, N. J.
Faber Engineering & Constr. Co., Bessemer Bldg., Pittsburgh, Pa.
Faber, F. H., & Co., slaughter house machy. dirs., Peoria, Ill.
Faber, H. C., & Son Co., trunk mfrs., Utica, N. Y.
Faber, Jacob, trunk mfrs., 1955 E. 9th, Cleveland, Ohio.
Faber, Johann, lead pencils, 54 Lafayette, New York.
Faber, L., Jr., & Sons, contractors, Carlisle, Pa.
Faber, Peter, bldg. contr., Madison, Wis.
Faber Piano Co., 351 Rider av, New York.
Faber Sulky Co., Rochester, N. Y.
Fabin, Robert W., architect, 147 Bradley, New Haven, Conn.
Fabre & Thayer, architect, 110 Sutter, San Francisco, Cal.
Fabreeka Belting Co., balata belting, Burlington, Vt.
Fabric Fire Hose Co., rubber goods, 127 Duane, New York.
Fabric Roll Protector Co., South Bend, Ind
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Fabyan Woolen Co., Stafford Springs, Conn.
Face, E. W., & Son, brick, Norfolk, Va.
Fachule, J., Sons, carriages, Middleport, O.
Facile Window Co., 103 Park av, New York.
Factory Engng. Co., contrs., Bridgeport, Conn.
Factory Equip. Co., mill & facty. supps., 122 W. Water, Milwaukee, Wis.
Factory Magazine of Management, trade publication, 5 N. Wabash av, Chicago, Ill.
Factory & Mill Supply Co., mach. tools, new & second hand, 137 Oliver, Boston, Mass.
Factory Supply Co., mill & fact'y supps., 40 E. Kinzie, Chicago, Ill.
Factory Supply & Hdwe. Co., 47 Mechanic, Newark, N. J.
Fadeley, Harrison, flour mills, Edinburg, Va.
Fadum, Fred'k, & Son, Machsts., 408 W. Redwood, Baltimore, Md.
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Fafnir Bearing Co. (The), ball bearings for automobiles, trucks, tractors, electric motors, machine tools, line shafting & machinery in general, New Britain, Conn.
Fagan & Gillis, contrs., Newport, R. I.
Fagan Iron Wks., 14th, Jersey City, N. J.
Fagan, Jas., & Son, packing box mfrs., 204 W. Houston, New York.
Fagenstrom Bros. Contracting Co., Great Falls, Mont.
Fageol Motors Co., Oakland, Cal.
Fager, G. C., & Sons, cornices, Harrisburg, Pa.
Fager, John A., cornices, 213 E. 144th, New York.
Faget Engng. Co., mill & facty. supps., 541 Howard, San Francisco, Cal.
Fahnestock Elec. Co., testing clamps, & elect'l spec. mfrs., Meadow, Long Island City, N. Y.
Fahnestock, Frank G., Jr., architect, Harrisburg, Pa.
Fahnestock, L. W., architect, 18 W. 7th, Cincinnati, Ohio.
Fahnle & Dietrich, cornices, 537 Oliver, Cincinnati, Ohio.
Fahnstock & Miller, mattresses, Chambersburg, Pa.
Fahrig Metal Co., 34 Commerce, New York.
Fahrney, Edw. B., fruit evaporators, Waynesboro, Pa.
Fahys, Jos., & Co., 17 Maiden la, New York.
Failing, McCalman Co., whol. hdwe., 88-90 Front, Portland, Ore.
Fails, N. B., Lubricating Co., Prudential Bldg., Buffalo, N. Y.
Fain Knitting Mills, sweaters, cardigans, etc., 902 Park av, Brooklyn, N. Y.
Fair, D. J., Lumber Co., Sterling, Kans.
Fair, D. McClure, contractor, 6023 Hoevler, Pittsburgh, Pa.
Fair Foundry Co., Knoxville, Tenn.
Fair, Geo., & Son, agricultural implements, Blaine, Mich.
Fair Haven Foundry & Machine Co., hoisting engines, etc., Fair Haven, Vt.
Fair Haven Marble & Marbleized Slate Co., Fair Haven, Vt.
Fair, H. W., contr., Wheeling, W. Va.
Fair Mfg. Co., machinists, 617 Bryant, San Francisco, Cal.
Fair, Perry W., architect, Bass blk., Fort Wayne, Ind.
Fair Play Canning Co., Fair Play, Mo.
Fair, S., & Son, fndrs., Saginaw, Mich.
Fairbank & Co., pig iron & iron ore, Wade bldg., Cleveland, Ohio.
Fairbank, N. K., Co., soap, 111 W. Washington, Chicago, Ill.

Fairbanks Co., valves, scales, mill, facty. & plumbers' supplies, machy. dlrs., 416 Broome, New York.
Fairbanks Co., piano plates, Springfield, Ohio.
Fairbanks, E. & T., & Co., machsts., fndrs. & scales, St. Johnsbury, Vt.
Fairbanks, Geo. L., & Son, machsts., Worcester, Mass.
Fairbanks, Morse & Co., cars, cranes, engines, pumps & machy. mfrs., fndrs., machsts., tools & supplies, compressors, steam fitters' supplies, 900 S. Wabash av, Chicago, Ill.
Fairbanks, Morse & Co., Sheffield Plant, car wheels, Three Rivers, Mich.
Fairbanks-Morse Elec'l Mfg. Co., machsts. & fndrs., Indianapolis, Ind.
Fairbanks, R. J., & Sons, lumber mfrs., Hermon, N. Y.
Fairbanks Steam Shovel Co., Marion, Ohio.
Fairbury Carriage Co., Fairbury, Ill.
Fairchild & Betts, machsts. & fndrs., Warren, Pa.
Fairchild, Chas. A., architect, Kalamazoo, Mich.
Fairchild, Gilmore & Wilton Co., contractors, 607 S. Main, Los Angeles, & San Diego, Cal.
Fairchild, L. C., corn brooms, Greene, N. Y.
Fairchild, M. H., & Bro., soap, metal polish, 6 W. Austin av, Chicago, Ill.
Fairchild, M. H., & Bros., soap, 620 Atlantic av, Boston, Mass.
Fairchild & Shelton Co., soap, 305 Housatonic av, Bridgeport, Conn.
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Fairfacts Co., china for plumbing wk., 218 W. 14th, New York.
Fairfax Refining Co., lubrg. oils, 9420 Meach, Cleveland, Ohio.
Fairfield Auto Co., gas engines, Bridgeport, Conn.
Fairfield Glass Co., window glass mfrs., Lancaster, Ohio.
Fairfield Landscape & Nurseries Co., 103 Park av, New York.
Fairfield Lumber Co., Fairfield, Ill.
Fairfield Paper Co., Baltimore, Ohio.
Fairfield Plow Wks., North Fairfield, Ohio.
Fairforest Cotton Oil Co., fertz. mfrs., Fairforest, S. C.
Fairhall, Jos., Jr., machsts., Danville, Ill.
Fair Haven Fdry. & Mach. Co., castings, etc., Fair Haven, Vt.
Fairhaven Iron Foundry Co., Fairhaven, Mass.
Fair Haven Marble & Marbleized Slate Co., plumbers' slate, Fair Haven, Vt.
Fairlamb, P. H., Co., masons' & bldrs.' matls., 113 S. 30th, Philadelphia, Pa.
Fairley-Davidson Steel Co., Inc., 122 Maiden lane, New York.
Fairmont Box Co., Canajoharie, N. Y.
Fairmont Coal Co., 14 Wall, New York.
Fairmont Feed & Storage Co., flour mills, Fairmont, W. Va.
Fairmont Gas Engine & Ry. Motor Car Co., Fairmont, Minn.
Fairmont Grain & Milling Co., Fairmont, W. Va.
Fairmont Mining Machinery Co., machsts. & fndrs., mfrs. & jobbers, coal mine equipment, Fairmont, W. Va.
Fairmont Mold & Fndry. Co., Fairmont, W. Va.
Fairmont Window Glass Co., Fairmont, W. Va.
Fairmount Elec. & Mfg. Co., sleeve wire connectors, & testing clamps, cable roller & cars, cones, etc., 59th & Woodland, Philadelphia, Pa.
Fairmount Fdr. Co., Duncannon & Clinton, Philadelphia, Pa.
Fairmount Glass Wks., bottles, Indianapolis, Ind.
Fairmount Mach. Co., 10 N. 9th, Phila., Pa.
Fairmount Tool & Forging Co., 10611 Quincy av, Cleveland, O.
Fairoaks Fruit Co., canners, Fairoaks, Cal.
Fairport Lumber & Coal Co., masons' & bldrs.' matls., Fairport, N. Y.
Fairton Canning Co., Fairton, N. J.
Fairview Brick Co., 80 Griswold, Detroit, Mich.
Fairview Cannery, Lockport, N. Y.
Fairview Coal Co., Rockefeller bldg, Cleveland, Ohio.
Fairview Foundry Co., ft. of Vanilla, Detroit, Mich.
Fairview Slate Co., roofing slate mfrs., Slatington, Pa.
Fairwater Canning Co., Markesan, Wis.
Fairwater Hemp Co., tow, Fairwater, Wis.
Fairweather, C. W., architect, Grantwood, N. J.
Fairweather, J. Stewart, architect, Balboa Bldg., San Fran., Cal.
Faith, S., & Co., high pressure piping, 2427 Penna. av, Phila., Pa.
Faitoute Iron & Steel Co., 180 Frelinghuysen av, Newark, N. J.
Falch, W. C., architect, Hearst bldg, San Francisco, Cal.
Falck, F. L., & Co., soap, 1400 High, Pittsburgh, Pa.
Falcon Bronze Co., Youngstown, Ohio.
Falcon, Jos. G., flexible joints, Evanston, Ill.
Falcon Steel Co., Niles, Ohio.
Falconer & Co., granite, Quincy, Mass.
Falconer Mirror Co., Falconer, N. Y.
Falconer Towel Mills, Falconer, N. Y.
Falconer, W. T., Mfg. Co., beekeepers' supplies, Falconer, N. Y.
Fales, C. E., Machy. Co., Kerr Bldg., Detroit, Mich.
Fales & Jenks Mach. Co., Pawtucket, R. I.
Fales, L. F., paper slitting & sewing machy., Walpole, Mass.
Fales, W. H., Co., calcium stearate, 62 Maiden lane, New York.
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Falk, Geo L., architect, Brockton, Mass.
Falkenbach Mfg. Co., elec. & gas light fixture mfrs., 159 E. 54th, New York.
Falkenburg & Co., testing laboratories, chemists, 116 Yesler, Seattle, Wash.
Falkhill Constr. Co., Poughkeepsie, N. Y.
Falkingham, Percival E., quinine, 5 Church, New York.
Fall, Chas., architect, 1400 Washington, Hoboken, N. J.
Fall Creek Canneries, Pendleton, Ind.
Fall Creek Mfg. Co., lawn furniture, Mooresville, Ind.
Fall Creek Milling Co., wheat flour, Ithaca, N. Y.
Fall, J. H., & Co., steam fitters' supplies, Nashville, Tenn.
Fall River Bobbin & Shuttle Co., tex. machy., supplies, Fall River, Mass.
Fall River Boiler Works, Fall River, Mass.
Fall River Canning Co., Fall River, Wis.
Fall River Foundry & Machine Co., Fall River, Mass.
Fall River Gas Works, water-gas tar, Fall River, Mass.
Fall River Rubber Co., Fall River, Mass.
Fall River Sheet Metal & Cornice Works, Fall River, Mass.
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Fallis, E. O., architect, The Nasby, Toledo, Ohio.
Fallis, M. S., Architect Co., Ideal Bldg., Denver, Colo.
Fallon, T. F., & Co., brass fndrs., castings, Lawrence, Mass.
Fallon, W. J., shoe welting, 34 Norfolk av, Boston, Mass.
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Falls City Bedding Co., mattresses, Louisville, Ky.
Fall City Cornice & Roofing Co., Louisville, Ky.
Falls City Lbr. Co., Northwestern Bank Bldg., Portland, Ore
Fall City Mill & Feed Co., Sunnyside, Wash.
Falls City Plbg. Supply Co., steam fitters' supplies, Louisv Ky.
Falls Clutch & Machinery Co., Cuyahoga Falls, Ohio.
Falls Co., cotton duck & canvas, Norwich, Conn.
Falls Elec. Co., guy anchors, Lima, Ohio.
Falls Engng. & Mach. Co., Cuyahoga Falls, Ohio.
Falls Foundry Co., Chagrin Falls, Ohio.
Falls, Frank H., mill & facty. supplies, Rochester, N. Y.
Falls Hollow Staybolt Co., Cuyahoga Falls, Ohio.
Falls Machine Co., wood planing, boring, etc., machines, boygan Falls, Wis.
Falls Mfg. Co., paper & pulp mills, Oconto Falls, Wis.
Falls Motors Corp., automobile, truck & marine engines, boygan Falls, Wis.
Falls Rivet Co., Kent, Ohio.
Falls Rubber Co., Cuyahoga Falls, Ohio.
Falls & Withers, machsts. & fndrs., Louisville, Ky.
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Falst, Adam G., carriages, Chelsea, Mich.
Falstrom & Tornquist Co., cornices, Passaic, N. J.
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Falter, Geo. A., stone, 917 S. Keeler av, Chicago, Ill.
Falter, Herman, meat packers, Columbus, Ohio.
Falulah Paper Co., Fitchburg, Mass.
Falvey, John J., bldg. contr., Somerville, Mass.
Falvey, Michael J., granite producer, 602 11th, N. W., Washington, D. C.
Famiglietti Bros. Co., contractors, 166 B'way, Providence,
Famous Filter Co., oil filters, 308 N. Commercial, St. Louis
Famous Mfg. Co., agric'l implements, automobile bldrs., ma & fndrs., etc., East Chicago, Ind.
Famous Players Film Co., moving picture films, 485 5th New York.
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Fancourt, W. F., & Co., Inc., drawing compounds & oils, 5 Del., Phila., Pa.
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Fanger Beet Harvester Co., 421 Michigan, Toledo, Ohio.
Fanke, F., Steam Trap Co., Milwaukee, Wis.
Fanner Mfg. Co., stone trimm'gs & iron stairs, Cleveland,
Fannin, G. W., contrs., Macon, Ga.
Fanning, Chas. G., & Co., cut stone contrs., Cicero, Ill.
Fanning, Edw. F., architect, 2 W. 45th, New York.
Fanning, Geo. H., architect, 221 Essex, Salem, Mass.
Fanning, J. P., models wk., 678 Jefferson av, Br'klyn, New
Fanning, P., granite, Quincy, Mass.
Fanning, Wm. T., architect, Colt Bldg., Paterson, N. J.
Fansher Bros., platers & polishers' supplies, Dayton, Ohio
Fanslow Bros., machsts. & fndrs., Yankton, S. D.
Fansteel Products Co., poppet valves, tungsten contact etc., 215 N. Michigan av, Chicago, Ill.
Fantoni, Chas., architect, 550 Montgomery, San Francisco,
Fanwood Stone Crusher & Quarry Co., Scotch Plains, N.
Far West Clay Co., brick hollow bldg. blocks, Tacoma, Wa
Far West Lumber Co., Tacoma, Wash.
Farad Elec. Co., cooking app., Engineers Bldg., Cleveland
Faragher, B. P., landscape arch., 10600 Euclid av, Clevela
Faragher, Jno., scaffolds, Madison, Wis.
Faraquhar, R. A. J. & Co., landscape architect, 6 S. M Boston, Mass.
Farber, Abraham, architect, 1746 Pitkin av, B'klyn, N. Y
Farber Clay & Mining Co., Farber, Mo.
Farber & Markwitz, architects, 189 Montague, Brooklyn, N
Farber, S. W., elec. light portable, 147 S. 5th, Brooklyn,
Farbstein, Jos., contractors, 908 Walnut, Philadelphia, P
Fard & Donneley, machsts. & fndrs., Kokomo, Ind.

rgo Bridge & Iron Co., Fargo, N. D.
rgo Cornice & Ornament Co., Fargo, N. D.
rgo, E. A., Co., metal nov. & spec., Taunton, Mass.
rgo Fdry. Co., Fargo, N. D.
rgo Iron & Metal Co., Fargo, N. D.
rgo Mfg. Co., grounding devices & lugs, Poughkeepsie, N. Y.
rgo Motor Car Co., 1164 W. 22d, Chicago, Ill.
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ribault Furniture Co., Faribault, Minn.
ribault Woolen Mill Co., Faribault, Minn.
ries Mfg. Co., electric fixtures, Decatur, Ill.
rish & Gray, bldg. contrs., 3d Nat. Bk. Bldg., St. Louis, Mo.
rist Steel Co., Bridgeport, Conn.
rley, C. H., & Co., glass stainers, Portland, Me.
rley, Edw. P., Co., architects, Ry. Exch. Bldg., Chicago, Ill.
rley, Ed. & Son, stone producers, Columbia, Mo.
rley, Frank C., architect, 333 4th av, New York.
rley, Jas. A., contractor, 569 5th av, New York.
rley & Loetscher Mfg. Co., ornamental woodwk, Dubuque, Ia.
rley, W. E., & Bro., plastic orna., 3635 Market, Phila., Pa.
rm Engng. Co., gasoline tractors, Sand Springs, Okla.
rm Implement News Co., trade publication, 159 N. State, Chicago, Ill.
rm Implements Publishing Co., trade publications, 1018 Lumber Exch., Minneapolis, Minn.
m Machy.—Farm Power, trade journal, 806 Pine, St. Louis, Mo.
rm Progress, trade publication, 7th & Olive, St. Louis, Mo.
rmer Coal & Supply Co., masons' & bldrs. matls., Asbury Park, N. J.
rmer, Jas. E., steel struct. wk., 41 Judson av, New Haven, Conn.
mer, L. A., architect, Anacortes, Wash.
mer Roller Mill Co., Farmer, N. C.
mers' & Builders' Supply Co., Owego, N. Y.
mers' Canning Co., Dunreith, Ind.
mers' Canning Co., Mt. Carmel, Ill.
mers' Canning Co., Red Lion, Pa.
mers' Cement Tile Mach. Co., machsts., St. Johns, Mich.
mers' Co-operative Fertilizer Co., Richmond, Va.
mers' Co-operative Warehouse & Gin Co., Troy, Ala.
mers' Cotton Oil Co., Americus, Ga.
mer's Cotton Oil Co., meal, Farmersville, Tex.
mers Cotton Oil Co., Madill, Okla.
mer's Cotton Oil Co., La Grange, Ga.
mers Cotton Oil Co., fertilizer, Wilson, N. C.
mers' Cotton Oil & Fertilizer Co., Huntsville, Ala.
mers Cotton Oil & Fertilizer Co., Toccoa, Ga.
ner's Cotton Seed Oil Mill, Martin, Ga.
ners E. & C. Union Warehouse Co., fertilizer mfrs., Dewey Rose, Ga.
ners' Exchange, flour mills, Romney, W. Va.
ners Exchange Co., fertilizer mfrs., Union Bridge, Md.
ners' Fertilizer Co., Columbus, Ohio.
ners' Fertilizer & Feed Co., Westminster, Md.
ners' Fertilizer Works, Byromville, Ga.
ners' Fertilizer Wks., Elizabethtown, Pa.
ners' Fertilizer Wks., Milan, Ga.
ners' Flour Mills, Berthoud, Colo.
ners' & Ginners' Oil Mill, Austin, Tex.
ners' & Ginners' Cotton Oil Co., fertz. mfrs., Sulphur Springs, Tex.
ners' Ginning & Milling Co., flour, Rich Square, N. C.
ners' Grain & Milling Co., masons' & bldrs. matls., Sidney, Ohio.
ners Guano Co., fertilizer mfrs., Norfolk, Va.
ners' Machine Shop, Gueydon, La.
ners Manfg. Co., basket mfrs., Norfolk, Va.
ners' & Merchants' Milling Co., flour, Brooksville, Ky.
ners' Milling Co., flour, Beaver Dam, Ky.
ners Milling Co., flour, Tree, Va.
ners' Mutual Benefit & Trading Co., machsts. & fndrs., Brooklyn, Wis.
ers' Oil & Fertz. Co., Texarkana, Tex.
ers Oil & Fertilizer Co., Texarkana, Ark.
ers' Oil Mill, fertz. mfrs., Newberry, S. C.
er's Oil Mill, Royston, Ga.
ers & Planters' Co., fertilizer mfrs., Salisbury, Md.
ers' Roller Mills, flour, Spencer, W. Va.
ers Storage & Fertz. Co., Aiken, S. C.
ers' Union Fertilizer Co., South Hill, Va.
ers' Union Warehouse Storage & Mfg. Co., Conyers, Ga.
ersburg Brick & Tile Wks., Farmersburg, Ind.
ersville Mill & Light Co., Farmersville, Tex.
ingdale Chem. Wks., Inc., Farmingdale, L. I., N. Y.
ington Milling Co., flour, Farmington, Mo.
ville Lbr. Co., Farmville, N. C.
ville Mfg. Co., handles, Farmville, Va.
ville Mills, flour, Farmville, Va.
ville Oil & Fertilizer Co., Farmville, N. C.
m Bros. Co., contractors, Plymouth Bldg., Minneapolis, Minn.
m-Cheshire Lime Co., 39 Cortlandt, New York.
n Brass Works Co., 1105 Center N. W., Cleveland, Ohio.
am, H. F., Co., sash, door & blind mfrs., Portland, Me.
am, J. F., excelsior & lbr. mfrs., Union, N. H.

Farnham Mfg. Co., textile machy. supplies, etc., 39 Indiana, Buffalo, N. Y.
Farnham & Nelson Co., trunk racks, auto metal bodies, 47 Union av, Jamaica pl, Boston, Mass.
Farnham Printing & Stationery Co., 806 Lbr. Exch., Minneapolis, Minn.
Farnsworth, Hoyt & Co., shoe buttons, 58 Lincoln, Boston, Mass.
Farnsworth Packing Co., Brooklin, Me.
Farnsworth, R. & P., contrs., Owensboro, Ky.
Farnum & Co., granite, 1088 Westminster, Providence, R. I.
Farnum, J. B., Co., mill & facty. supplies, Woonsocket, R. I.
Farnum, Jas. J., Sr., architect, Chester, Pa.
Farnum, John & Co., cotton sheetings, 235 Chestnut, Phila., Pa.
Farnworth Co., flannels-woolen, Lisbon Center, Me.
Farquhar, A. B., Co., Ltd., farm machy., hydraulic press & implement mfrs., York, Pa.
Farquhar Furnace Co., Wilmington, Ohio.
Farquhar Machy. Co., dlrs. & mill & facty. supplies, Jacksonville, Fla.
Farquharson, D. B., contr., 1760 Ellis, San Francisco, Cal.
Farquharson, Robt., granite producers, South Ryegate, Vt.
Farr, Albert, architect, 68 Post, San Francisco, Cal.
Farr & Bailey Mfg. Co., oil cloth mfrs., Camden, N. J.
Farr-Barnes Lbr. Co., Columbia, S. C.
Farr Brick Co., 222 Leader News Bldg., Cleveland, Ohio.
Farr, D., flour mills, Franklin, Tenn.
Farr Mfg. Co., soap, cutting & drilling oils & compounds, N. Tonawanda, N. Y.
Farra, Harry W., contractor, West Chester, Pa.
Farrand, Teo. S., contractor, Verona, N. J.
Farrar & Guy, lumber & contractors, 312 Quincy B., Denver, Colo.
Farrar Iron & Steel Co., Buffalo, N. Y.
Farrar Lumber Co., Dalton, Ga.
Farrar Pump & Machy. Co., pumps, Granite Bldg., St. Louis, Mo.
Farrar, R. L., flour mills, Mulberry, Tenn.
**FARRAR & TREFTS, INC.**, engineers, founders, etc., Buffalo, N. Y. *See adv index at end of book*
Farrar, Victor C., architect, 4 E. 39th, New York.
Farrel, John & Son, agric. implts., Newton, N. J.
Farrel Foundry & Machine Co., paper & pulp mill, rolling mill, rubber & stone working machy., etc., Ansonia, Conn.
Farrell, Andrew & Sons, granite, Westerly, R. I.
Farrell, C. H., & Co., sash, door & blind, 6 Northampton, Boston, Mass.
Farrell-Cheek Steel Foundry Co., Sandusky, Ohio.
Farrell & Conaton, steam fitters' supplies, Lowell, Mass.
Farrell, Francisco, Llado & Co., corkwood imptrs., Haw Tree Creek rd, Woodhaven, N. Y.
Farrell, James F., stone producer, Covington, Ky.
Farrell, Jas. P., & Co., contractors, 1621 Sansom, Phila., Pa.
Farrell, John, & Sons, drum hoists, Newton, N. J.
Farrell, M., & Sons, contractors, Hoboken, N. J.
Farrell, M. & T. E., contractors, West Chester, Pa.
Farrell & Reed, contractors, 3d & Mission, San Francisco, Cal.
Farrell Valve & Specialty Co., valves & cocks, Austin Bldg., Buffalo, N. Y.
Farrell, W. J., cork mfr., bottle openers, 325 Washington, New York.
Farrell, Wm., architect, 82 E. 236th, New York.
Farrend, Mrs. Beatrix, architect, 21 E. 11th, New York.
Farrer Thermometer Co., 1301 Boston rd, New York.
Farriby, J. N., machsts. & fndrs., Ubly, Mich.
Farrin, M. B., Lumber Co., Station av & Winton pl, Cincinnati, Ohio.
Farrington Case Co., 116 Nassau, New York.
Farrington & Co., window springs, Mt. Vernon, N. Y.
Farrington, Frank, Co., contractors, Scherer Bldg., Detroit, Mich.
Farrington Mfg. Co., door stops, 23 Vale, Boston, Mass.
Farrington, Robt. M., architect, Grand Cent. Term., New York.
Farrington, W. U. (Est. of), soaps, East Greenwich, R. I.
Farris Bridge Co., steel struct. wk. & mine tipples, Charleston, W. Va.
Farris, Jos., grate bar mfrs., Springfield, Ill.
Farris Milling Co., flour, Cave City, Ky.
Farrish, Arthur, Lumber Co., Asotin, Wash.
Farrow Arms Co., mchsts., 210 2d N. W., Washington, D. C.
Fars, Fred. F., architect, Schmulbach Bldg., Wheeling, W. Va.
Farwell Cornice Co., 3935 Southport av, Chicago, Ill.
Farwell, J. B., & Co., masons' & bldrs.' matls., Oswego, N. Y.
Farwell, Lyman, architect, Metropolitan bldg, Los Angeles, Cal.
Farwell Mills, cotton sheetings, Lisbon, Me.
Farwell, Ozmun, Kirk & Co., wholesale hdwe., St. Paul, Minn.
Farwell & Rhines, Inc., flour mills, Watertown, N. Y.
Faser Bros., elec. contrs., San Jose, Cal.
Fash, Robt. A., architect, 163 W. 20th, New York.
Fashion Button Wks., 344 W. 38th, New York.
Fashion Silk Mfg. Co., umbrella cloth, Paterson, N. J.
Fass, Jos., & Co., contractors, Madison, Wis.
Fasset, J. E., Boiler Works, Wellsville, Ohio.
Fassett, Fred W., lumber mfrs., Wellsville, N. Y.
Fassett, M. L., sashes, doors & blinds, Findlay, Ohio.
Fassler, Jacob, desk mfr., Utica, N. Y.
Fassnacht, A., & Sons, carriages, Chattanooga, Tenn.
Fastfeed Drill & Tool Corp., Toledo, Ohio, & 21 Murray, New York.

Fate-Root-Heath Co., brick & clay machinery, Plymouth, Ohio.
Fath Construction Co., 5103 Euclid av, Cleveland, Ohio.
Fathauer, Theo., Co., lbr., 1428 Cherry av, Chicago, Ill., & Helena, Ark.
Fatzler, Fred, Co., contractors, 810 Broad, Newark, N. J.
Faucher Bros., contractors, 58 Front, Worcester, Mass.
Faudel, Henry J., stone producer, Independence, Ohio.
Faul & Timmins, metallic gaskets, seats, Buffalo, N. Y.
Faul, Wm. J., Co., lubrg. oils, 133 Front, New York.
Faulkenberry Fdry. & Mach. Co., Andalusia, Ala.
Faulkner, Chas. D., architect, 140 Dearborn, Chicago, Ill.
Faulkner, D. A., machinist, Woodland, Cal.
Faulkner, Frank G., contractor, Sedalia, Mo.
Faulkner Lumber Co., sash, door & blind, Pittsfield, Mass.
Faulkner & Mealing, lbr., North Augusta, S. C.
Faulks, Jas. H., Co., cornices & skylights, Elizabeth, N. J.
Faultless Anchor & Mfg. Co., mop sticks, Centerburg, Ohio.
Faultless Caster Co., Evansville, Ind.
Faultless Engine Co., 1511 Cypress av, Kansas City, Mo.
Faultless Iron Works, machsts. & fndrs., St. Charles, Ill.
Faultless Rubber Co., rubber goods, Ashland, Ohio.
Faultless Starch Co., 1025 W. 8th, Kansas City, Mo.
Faunt Bros., brass castings, 1555 Fulton, Chicago, Ill.
Faust Bros. Lbr. Co., Jackson, Miss.
Faust, J. U., & Co., lumber, Paducah, Ky.
Faust, John K., & Son, contractors, Reading, Pa.
Faust Lbr. Co., Antigo, Wis.
Faust, Samuel, contractor, New Castle, Ind.
Faville, Wm. B., archit., Balboa Bldg., San Francisco, Cal.
Favor, Frank M., masons' & bldrs.' matls., Gardner, Mass.
Favor, Ruhl & Co., architects' instruments, 43 W. 23d, New York.
Favorite Boiler Compaund Co., 8568 Vine av, Chicago, Ill.
Favorite Mfg. Co., see New Favorite Mfg. Co. (successor).
Favorite Stove & Range Co., Piqua, Ohio.
Favret, Lionel F., contractor, 307 Tulane Newcourt, New Orleans, La.
Favrot & Livaudais, architects, Perrin Bldg., New Orleans, La.
Faw, J. H., Inc., auto. creepers, 27 Warren, New York.
Fawcett, C. E., mill & facty. supplies, Cedar Rapids, Ia.
Fawcett, Hughes, harness twine, 115 Franklin, New York.
Fawcett, Wm., bldg. contr., Duluth, Minn.
Fawcus Machine Co., cut gears & special mach., 2818 -2828 Smallman, Pittsburgh, Pa. *See adv index at end of book.*
Faxon & Gallagher Drug Co., whol. & retail plate & window glass, 80 B'way, Kansas City, Mo.
Fay Belting Co., leather, 151 Lafayette, New York.
Fay & Bowen Engine Co., Geneva, N. Y.
Fay Bros., machy. dlrs., Jeanerette, La.
Fay Bros. & Co., lumber mfrs., Cedar Rapids, Ia.
Fay, Edward, & Son, building contractors, 2 S. Mole, Phila., Pa.
Fay, Geo. H., Co., machy. dlrs., plbrs. & steamfitters' supplies, 599 Mission, San Francisco, Cal.
Fay Improvement Co., Phelan Bldg., San Francisco, Cal.
Fay, J. A., & Egan Co., wood working machinery, Cincinnati, Ohio.
Fay-Kultgen Fdy. Co., St. Joseph, Mich.
Fay Mach. Tool Co., 2d & Glenwood av, Philadelphia, Pa.
Fay, Robert, pianos, 567 Valencia, San Francisco, Cal.
Fay & Scott, engine lathes, mill & facty. supplies, Dexter, Mo
Fay, S. C., & Co., Inc., contrs., Springfield, Mass.
Fayette Canning Co., Fayette & Washington Court House, Ohio.
Fayette Coal Corp., bituminous, 1st Nat'l Bank bldg, Pittsburgh, Pa.
Fayette Coke Co., New Salem, Pa.
Fayette Lumber Co., Connellsville, Pa.
Fayetteville Canning Co., Fayetteville, Ark.
Fayetteville Mfg. Co., butchers' blocks, Fayetteville, N. Y.
Fayetteville Milling Co., flour, Fayetteville, Tenn.
Fayetteville Oil Co., Fayetteville, Ga.
Fayfield, Robert C., architect, Iroquois Bldg., Buffalo, N. Y.
Fead, John L., & Sons, knitted gloves, Port Huron, Mich.
Feaga, Gaylord W., contractor, Citizens' Bldg., Cleveland, Ohio.
Feagans, W. C., flour mills, Wheatland, W. Va.
Fear, Fred, Match Co., Bloomsburg, Pa.
Fearless Dishwasher Co., Rochester, N. Y.
Fearnley, Arthur J., tex. mach'y, supplies (slashers, reeds), Fall River, Mass.
Fearon Brown Co., camphor, oils, 96 Wall, New York.
Fearon, F. G., Co., contractors, 280 Madison av, New York.
Fearon Lumber & Veneer Co., Ironton, Ohio.
Fearon-Tillotson Fndry. Co., 1420 W. Kinzie, Chicago, Ill.
Feather, N. B., mercury testing columns, Hackett, Newark, N. J.
Feather River Lbr. Co., Chamber of Comm. bldg, Denver, Colo.
Featherbone Whip Co., Westfield, Mass.
Featheredge Rubber Co., rubber sponge mfrs., 408 W. Grand av, Chicago, Ill.
Featherley, Emmett R., Jr., architect, 443 11th, Niagara Falls, N. Y.
Featherweight Eyeshade Co., Merchantville, N. J.
Febrey, E. J., & Co., heating contractors, Pacific Bldg., Washington, D. C.
F. & E. Check Protecting System, 227 West Erie, Chicago, Ill.
Fechheimer, A. Lincoln, architect, Union Trust Bldg., Cincinnati, Ohio.
Fechheimer Steel & Iron Co., Allentown, Pa.
Fedders Mfg. Co., water cooling radiators, Buffalo, N. Y.
Fedeli, A. F., Co., contractors, Vickers bldg, Baltimore, Md.

Federal Adding Machine Corp., special tools, cutters, rean jigs, fixtures, gauges & adding machines, York & Gr New Haven, Conn.
Federal Asbestos Co., Milwaukee, Wis.
Federal Bearings Co., ball bearings, Poughkeepsie, N. Y.
Federal Body Co. of N. Y., 250 W. 54th, New York.
Federal Brass & Bronze Co., machsts.' & fndrs.' castings, R Astoria, N. Y.
Federal Brass Mfg. Co., plumbing, brass goods, 1000 Cham av, N. W., Cleveland, Ohio.
Federal Brass Wks., 3100 S. Kedzie, Chicago, Ill.
Federal Bridge Co., Des Moines, Ia.
Federal Bridge & Structural Co., Waukesha, Wis.
Federal-Buster Corp., toys, 304 Lexington av, Pittsburgh, I
Federal Button Co., 365 Market, Newark, N. J.
Federal Carbonic Co., brick, Detroit, Mich.
Federal Cement Tile Co., 920 Westminster Bldg., Chicago,
Federal Chemical Co., fertilizer mfrs., phosphate rock, L ville, Ky.
Federal Clay Product Co., Mineral City, Ohio.
Federal Composition & Paint Co., Ltd., marine paint, 17 Ba Pl, New York.
Federal Concrete Co., 2675 Main, Buffalo, N. Y.
Federal Construction Co., Odd Fellows Bldg., St. Louis, Mo
Federal Construction Co., Sharon Bldg., San Francisco, Cal
Federal Constr. Co., Hartman bldg, Columbus, Ohio, & Nat'l Bank bldg, Washington, D. C.
Federal Creosoting Co., Louisville, Ky.
Federal Dyestuff & Chemical Corp., 2 Rector, New York.
Federal Elec. Co., 640 W. Lake, Chicago, Ill.
Federal Elec. Welder Co., Warren, Ohio.
Federal Enam. & Stamping Co., ash cans, Thompson & Char Pittsburgh, Pa.
Federal Equipment Co., bank fix., Carlisle, Pa.
Federal Export Corp., steel & machy. dlrs., 42 Broadway, York.
Federal Felting Co., Westerly, R. I.
Federal Filter Co., 1364 Grand av, Chicago, Ill.
Federal Fdy. Co., Indianapolis, Ind.
Federal Foundry Supply Co., 2639 E. 79th, Cleveland, Oh
Federal Furnace Co., 108 & Calumet River, Chicago, Ill.
Federal Gear Co. of Cleveland, Cleveland, Ohio.
Federal Glass Co., Columbus, Ohio.
Federal Granite Brick Co., common brick, Scranton, Pa.
Federal Graphite Mills, 2639 E. 79th, Cleveland, Ohio.
Federal-Huber Co., machsts. & fndrs, plumbers' supplies bers, 234 N. Halsted, Chicago, Ill.
Federal Knitting Mills Co., cardigans, sweaters, Detroit 29th, Cleveland, Ohio.
Federal Lumber Co., Guardian Bldg., Cleveland, Ohio.
Federal Machine Tool Co., automobile parts, emery dresses & cutters, Farnsworth & Beaufait, Detroit,
Federal Machy. Sales Co., 12 N. Jefferson, Chicago, Ill.
Federal Machy. Sales Co., mill & facty. supplies, 212 Sy Milwaukee, Wis.
Federal Malleable Co., castings, West Allis, Wis.
Federal Mfg. Co., brass finishers, 168 W. Long, Columbu
Federal Metal Weather Strip Co., 716 W. Madison, Chica
Federal Metallic Packing Co., 48 Hanover, Boston, Mas
Federal Mill Co., lumber, San Francisco, Cal.
Federal Milling Co., flour, Lockport, N. Y.
Federal Miniature Lamp Division Nat'l Lamp Wks. of G. 920 S. Michigan av, Chicago, Ill.
Federal Motor Truck Co., motor fire engines, Federal & C avs, Detroit, Mich.
Federal Packing Co., canned goods, Enosburg Falls, Vt.
Federal Paper Board Co., Inc., Bogota, N. J.
Federal Paper Stock Co., cotton waste, 1814 N. Ma Louis, Mo.
Federal Parquetry Mfg. Co., 3 W. 14th, New York.
Federal Plate Glass Co., Ottawa, Ill.
Federal Pressed Steel Co., Keefe av & N. Pierce, Milwauk
Federal Process Co., paint mfrs., Cleveland, Ohio.
Federal Railway Supply Co., brake beams, box car loade Knoxville, Tenn.
Federal Record Corp., Albany, N. Y.
Federal Refractories Co., brick, ores, etc., Cleveland, C
Federal Rope Co., cordage & rope mfrs., Morgan av & T Brooklyn, N. Y.
Federal Rubber Co., The, auto tires, Cudahy, Wis.
Federal Sash & Door Co., 18th & Wabash av, Kansas C
Federal Screw Corp., wood screw, 393 Harris av, Pro R. I.
Federal Shipbldg. Co., Kearny, N. J.
Federal Sign System, fire alarms, elec'l horns, etc., State, Chicago, Ill.
Federal Signal Co., railway signals, etc., Albany, N. Y.
Federal Snap Fastener Corp., 27 W. 31st, New York.
Federal Stamping Co., furnace pulleys, damper clips, a cover, etc., Holland, Mich.
Federal Steam & Gas Supply Co., 36 Purchase, Boston,
Federal Steel Cement Mills, hardeners (concrete), 2639 Cleveland, Ohio.
Federal Steel Fixture Co., metallic lockers, etc., 8700 stead, Chicago, Ill.
Federal Steel Fdry. Co., Chester, Pa.
Federal Sugar Refining Co., 91 Wall, New York.

eral Supply Co., mill & facty. supplies, Bridgeport, Ill.
eral Terra Cotta Co., architectural, 101 Park av, New York.
eral Tool & Alloy Steel Corp., 233 Broadway, New York.
*See adv. index at end of book.*
eral Tool Co., 2512 W. Monroe, Chicago, Ill.
eral Tool & Machine Co., thread gauges, Camden, N. J.
eral Window Co., puttyless windows, 445 E. Water, Milwaukee, Wis.
erated Glass Co., Point Marion, Pa.
eration Constr. Co., Sioux City, Ia.
-Crayton Harwood Lumber Co., Dermott, Ark.
, Grant, contractor, 2440 16th. San Francisco, Cal.
& Mason, plates, clamps, straps, hangers, etc., 81 Beekman, New York.
dingstuffs, trade journal, Woolworth bldg, New York.
ley, Wm. J., Co., The Art Metal Work, 169 S. Angell, Providence, R. I.
ly, John, contractor, Ogdensburg, N. Y.
naughty Mach. Co., road machy., Portland, Ore.
ney & Atherton, granite producers, Woodstock, Md.
ney & Bremer Co., Tillamook, Ore.
ney, Jno., cornices, 1 N. Grove, Boston, Mass.
ney & Sheehan Bldg. Co., building contractors, 164 Montgomery, Albany, N. Y.
ny Mfg. Co., clothes line reels, vacuum cleaners, Muncie, Ind.
ser, A. W., & Co., canned goods, Silver Run, Md.
ser, Frank S., Co., tool kits, auto. radiator covers, 1033 Shelby, Indianapolis, Ind.
an, Owen J., contractor, Mount Vernon, N. Y.
ely, J., & Son, steam fitters' suppls., and whol. hdwe., Pottstown, Pa.
ey, Morris, lumber, Pine Grove, Pa.
, Henry, carriages, Springfield, Ohio.
leisen, Rosacker, Lbr. Co., Boone, Ia.
lig Bros. Box Mfg. Co., 1909 Washington, St. Louis, Mo.
lig Const. Co., Theresa av & Hickory, St. Louis, Mo.
n, Sidney M., archetct, College Point, N. Y.
ding Carriage Co., Columbus, Ind.
k Bros. Co., surg'l instru., 809 Liberty av, Pittsburgh, Pa.
k, Geo., & Sons, contractors, Sandusky, Ohio.
h, John A., contractor, Sandusky, Ohio.
t, Geo. D., & Co., viscosimeters, 244 N. 5th, Philadelphia, Pa.
el, M., & Bro., paint, varnish, etc., 185 Wooster, New York.
enbaum Trunk & Bag Co., 1272 W. 6th, Cleveland, Ohio.
enspan, C. & Co., advtg. nov. & calendars, Cincinnati, Ohio.
Chas. W., architect, Williamsport, Pa.
oach Motor Co., machsts., Weil & Burleigh, Milwaukee, Wis.
, J., architect, 215 Snedecker av, Brooklyn, N. Y.
berg, Abe, scrap iron & steel, Muncie, Ind.
berg & Feinberg, furniture tops, 433 4. 42d, New York.
burg, David, Co., scrap rubber, 11 B'way, Chelsea, Mass.
del, H. A., masons & blds. materials, Wakefield, Mass.
e, August, & Sons Co., machsts., 140 Terrace, Buffalo, N. Y.
er, P., cornices, 335 W. 44th, New York.
Chas. J., Co., advtg. spec., 257 W. 17th, New York.
t, John, & Sons Co., sash, door & blind mfrs., 115 Ash, Buffalo, N. Y.
l, Dan W., Bag Co., burlap bags, S. Claiborne & Erato, New Orleans, La.
l, Maurice, masons' & bldrs.' matls., 3722 Tulane av, New Orleans, La.
er Sales Co., waste, wiping, rags, etc., Superior & 38th, Cleveland, Ohio.
n, L. G., lumber, Monroe Center, Ohio.
Geo. A., Co., tin plate, 162 E. 129th, New York.
hake, J. J., cornices & skylights, Effingham, Ill.
heim, Lyman, Co., sash, door & blind mfrs., Erie, Pa.
man, Chas. H., cornices & skylights, St. Peter, Minn.
man, H. & Co., scrap rubber, 324 S. Del., Philadelphia, Pa.
man, Jno., archl. iron, 1323 Gates av, Brooklyn, N. Y.
man, J., Co., steel wire, Jersey City.
man, L. A., Fixture Co., 24 W. 30th, New York.
nan Mfg. Co., see Nat'l Elec. Water Heater Corp. (successors).
nan System Mfg. Co., loose leaf devices, 2308 Armitage av, Chicago, Ill.
nann, L., & Co., brooms, 417 Montgomery, San Francisco, Cal.
stein, Chas. H., Co., hair cloth mfrs., 1839 Madison, Philadelphia, Pa.
maker, A. B., Erie Organ Co., Erie, Pa.
nhauer, Frank J., Co., contractors, 4 Court sq, B'klyn, N. Y.
r & Caston, brick, Arcola, Ind.
, Chas. F., & Co., sash, door & blind, Old York rd & Butler, Philadelphia, Pa.
, John J., & Co., meat packers, 4142 Germantown, Philadelphia, Pa.
Girard, Co., Inc., insecticides & gopher poison, 4th av So. & Franklin, Minneapolis, Minn.
r Bros., lbr., Rochester, N. H.
r Bros. Mfg. Co., steel tanks, Mansfield, Wis.
r, L. J., architect, Weiser, Idaho.
Adolph, mill & facty. supplies, Mt. Vernon, N. Y.
Hy. R., Co., reinf. concrete steel const., Trenton, N. J.
Jos. E., machsts. & fndrs., Ogdensburg, N. Y.
W. J., lbr. mfrs., Salt Lick, Ky.
bom, L. H., contractor, Wellesley & Heberton av, Pittsburgh, Pa.
Fellers Bros., lumber, Harriette, Mich.
Fellheimer, Alfred, architect, 5 E. 42d, New York.
Felli, P. C., & Co., see Rossi Bros. Co. (successors).
Fellner, Geo. C., contr., Litchfield, Ill.
Fellows, Azro, mill & facty. supplies, Belvidere, Ill.
Fellows, C. A., contr., Central bldg, Los Angeles, Cal.
Fellows & Co., ladders, 234 Friend, Boston, Mass.
Fellows Gear Shaper Co., machsts. & fndrs., Springfield, Vt.
Fellows, Gertrude F., lbr., West Brentwood, N. H.
Fellows, J. B., & Co., lawn sprinklers, Boston, Mass.
Fellows, John N., contractor, Columbia, Mo.
Fellows & Son, packing boxes, Manchester, N. H.
Fellows & Stewart, Inc., shipbldrs., Wilmington, Cal.
Fellows, Wm. K., architect, 814 Lower Court, Chicago, Ill.
Fellrath, John B., Co., wooden shoes, Fond Du Lac, Wis.
Fellsen Tire Co., 1995 B'way, New York.
Fellweck Auto. & Mfg. Co., windshields, Evansville, Ind.
Felmlee, Oscar R., architect, New Windsor, Colo.
Fels, Arthur B., heating contr., Portland, Me.
Fels & Co., soap, 73d & Woodland av, Philadelphia, Pa.
Fels Fibre Fabric Co., Lowell, Mass.
Felsberg, B. G., architect, 1328 B'way, New York.
Felsenthal, G., & Sons, advtg. spec., 446 Wells, Chicago, Ill.
Felson, J. M., architect, 1133 B'way, New York.
Felss Flour Milling Co., Cincinnati, Ohio.
Felsworth Lime Co., Staunton, Va.
Felt & Almy, masons' & bldrs.' matls., Randolph, N. Y.
Felt Lbr. Co., Salt Lake City, Utah.
Felt, J. H., & Co., architects, Grand av Temple, Kansas City, Mo.
Felt Specialty Mfg. Co., see Brawley, T. R. (successor).
Felt & Tarrant Mfg. Co., adding machines, 1717 N. Paulina, Chicago, Ill.
Felters Co., felt mills, 103 Bedford, Boston, Mass.
Feltes & Donegan, machsts., 1410 Kansas av, Kansas City, Mo.
Felton, D. D., Brush Co., Atlanta, Ga.
Felton, M., Sons Co., contractors, Covington, Ky.
Felton Packing & Mfg. Co., canned goods, Felton, Del.
Felton, S. A., & Son Co., brushes—fdry., mach., factory, etc., Manchester, N. H.
Felton, Sibley & Co., paint mfrs., 136 N. 4th, Philadelphia, Pa.
Felton & Son, gin distillers, 516 E. 2d, Boston, Mass.
Felton-Turner Heating Co., 34 Warren, Boston, Mass.
Felton, Wm. F., contractor, 1450 Michigan av, Buffalo, N. Y.
Feltus Bros., mill & facty. supplies, whol. hdwe., Natchez, Miss.
Femwick, C. C., contr., St. Joseph, Ill.
Fenderson, W. N., canned goods, Chebeague Island, Me.
Fenestra Constr. Co., Evans bldg, Washington, D. C.
Fenhagen, Geo. C., architect, 11 E. Pleasant, Baltimore, Md.
Fenimore, Edw. C., contractor, 8 E. Broad, Columbus, Ohio.
Fening-Stockman Iron Works Co., 1113 Gest, Cincinnati, Ohio.
Fenn, C. E., & Co., marble, granite, 38 S. Dearborn, Chicago, Ill.
Fenn Mfg. Co., post hole augers, Charlotte, Mich.
Fenn Mfg. Co., tapping & drilling machines, cutter grinders & special machinery mfrs., 385 Broad, Hartford, Conn.
Fenn Ventilator Co., rotary ventilator mfrs., 94 Blackstone, Boston, Mass.
Fenn, Wm. J., cornices, Johnstown, Pa.
Fennell, Geo. H., & Co., heating contractors, Newport, Ky.
Fennell, James S., contractor, 180 Jessie, San Francisco, Cal.
Fennell, John J., & Sons, horse lawn boots, Cynthiana, Ky.
Fenner, Brut L., architect, 101 Park av, New York.
Fenner, Geo. L., varnish mfrs., West av, Long Isl. City, N. Y.
Fenno, Ed. K., contrs., Esnblm Bldg., Syracuse, N. Y.
Fenollosa, White & Shufeldt, landscape archts., 101 Tremont, Boston, Mass.
Fensholt & Fechner, mill & facty. supplies, 16 S. Clinton, Chicago, Ill.
Fensterer & Ruhe, elec'l glassware, 37 Murray, New York.
Fenton Art Glass Co., table, Williamstown, W. Va.
Fenton Construction Co., marble prod., Knoxville, Tenn.
Fenton, David, ship bldr., Manchester, Mass.
Fenton Fibre Box Co., North Tonawanda, N. Y.
Fenton Label Co., 9th & Thompson, Philadelphia, Pa.
Fenton Mach. Tool & Die Co., Fenton, Mich.
Fenton & Sons, Box & Lbr. Co., North Tonawanda, N. Y.
Fenwick-Reddaway Mfg. Co., belting, 46 Paris, Newark, N. J.
Fenwood Lumber Co., Wausau, Wis.
Ferber, C. H., architect, 18 W. 7th, Cincinnati, Ohio.
Ferber Constr. Co., Hackensack, N. J.
Ferdinand, L. W., & Co., marine glue and linoleum cement mfrs., 152 Kneeland, Boston, Mass.
Ferdon, architect, St. Petersburg, Fla.
Ferge, Hy., bldg. contr., 421 Milwaukee, Milwaukee, Wis.
Fergus Casket Works, Fergus Falls, Minn.
Fergus Falls Knitting Wks., Fergus Falls, Minn.
Fergus Flour Mills Co., Fergus Falls, Minn.
Fergus Iron Works Co., machsts. & fndrs., Fergus Falls, Minn.
Fergus Mfg. Co., sashes, doors & blinds, Fergus Falls, Minn.
Fergus Packing Co., meat, Fergus Falls, Minn.
Ferguson, C. E., Saw Mill, lumber, Little Rock, Ark.
Ferguson, Chas. A., architect, Arcade, Nashville, Tenn.
Ferguson & Clarke, lbr. mfrs., 517 Flushing av, B'klyn, N. Y.
Ferguson, Cowan, S. J., Lbr. Co., nr. McLain, Miss.
Ferguson & Edmondson Co., contractors, Keystone Bldg., Pittsburgh, Pa.
Ferguson, F., & Son, machsts. & fndrs., Hoboken, N. J.

Ferguson-Flanigan Co., contractors, Vickers Bldg., Cleveland, O.
Ferguson, Frank W., architect, 33 W. 42d, New York.
Ferguson Furnace Co., Toledo, Ohio.
Ferguson, G. B., trunk, McCall Bldg., Memphis, Tenn.
Ferguson, Geo. N., brass & composition fndrs., Bloomfield, N. J.
Ferguson, H. E., contractor, Richmond, Va.
Ferguson, Hardy S., mill engr., 200 5th av, New York.
Ferguson Hardwood Co., Paducah, Ky.
Ferguson, Henry, canned goods, Elwood, Ind.
Ferguson, Hugh, concrete steel constr., Pittsburgh Life Bldg., Pittsburgh, Pa.
Ferguson & Hunt, masons' & bldrs.' matls., Rosedale, Ind.
Ferguson, J. B., & Co., consulting civil & mech. engnrs., Hagerstown, Md.
Ferguson, James, railroad ties, Montgomery City, Mo.
Ferguson, John W., & Co., contractor, 253 B'way, New York.
Ferguson, Jno. W., Co., contractors, Paterson, N. J.
Ferguson & Lange Fndry. Co., Clybourne av & Willow, Chicago, Ill.
Ferguson Lumber Co., Rockville, Ind.
Ferguson Mfg. Co., machsts., Dubuque & Waterloo, Iowa.
Ferguson Pub. Co., trade publications, 90 West, New York.
Ferguson, Robt. B., contractor, 254 Lee av, Brooklyn, N. Y.
Ferguson & Son, contractors, 1739 Union, San Francisco, Cal.
Ferguson Steel & Iron Co., shipbuilders, structural steel, whol. etc., Bailey av, B'way, Buffalo, N. Y.
Ferguson Supply Co., plumbers' supplies—jobbers, Grand Rapids, Mich.
Ferguson Synstone Co., concrete bldg. block machy., Century Bldg., Denver, Colo.
Ferguson, Thos., contractor, 192 Bradhurst av, New York.
Ferguson, W. T., Lbr. Co., Wright Bldg., St. Louis, Mo.
Ferguson & Wheeler, lumber, Poplar Bluff, Mo.
Ferguson, Wm. M., masons' & bldrs.' matls., Tipton, Mo.
Ferguson, Wm., & Son, contractors, 405 E. 21st, Phila., Pa.
Ferguson & Palmer Co., lumber, Memphis, Tenn.
Ferguson's, Wm. A., Sons, stone, Little Falls, N. J.
Fergusson, Alex. C., Jr., chemicals & dyestuffs, 474 Chestnut, Phila., Pa. *See adv index at end of book*
Fergusson Bros., chemicals, 109 Chestnut, Philadelphia, Pa.
Fern, Russel E., Co., contrs., Scranton, Pa.
Fernald Co., masons' & bldrs.' matls., 221 Tehama, San Francisco, Cal.
Fernald, Keene & True Co., canned goods, West Poland, Me.
Fernald Mfg. Co., machsts. & fndrs., North East, Pa.
Fernald, Willmont L., lumber, Logansport, Ind.
Ferndale Canning Co., Ferndale, Wash.
Ferndon, J. H., tuprentine, Homerville, Ga.
Fernekes, Max, architects, 94 Wisconsin, Milwaukee, Wis.
Fernholtz Brick Machinery Co., machsts., Boyle & Vandeventer av, St. Louis, Mo.
Fernholtz Machy. Co., briquetting & clay working machy., 2053 E. 38th, Los Angeles, Cal.
Fernschild, Geo. J., Jr., architect, 192 Main, New Rochelle, N. Y.
Fernstenmaker, W. E., brick, Pickerington, Ohio.
Fernstrum, Frank G., tubular boilers, Menominee, Mich.
Fernwood Lbr. Co., Fernwood, Miss.
Fero Elec. Air Pump Co., Wilkinsburg, Pa.
Ferofilm Co., boiler compounds, Utica, N. Y.
Ferracute Mach. Co., Bridgeton, N. J.
Ferrary Bros. Co., tex. machy., hooks (reed), Paterson, N. J.
Ferree, E. H., Co., machsts., leather & metal novelties & notions, Lockport, N. Y.
Ferrell, A. T., & Co., agricultural implements, Saginaw, Mich.
Ferrell Brake & Mfg. Co., Cassius av, S. E., Cleveland, Ohio.
Ferrell, C. A., architect, Little Rock, Ark.
Ferrell, M. F., & Son, canned goods, Haymakertown, Va.
Ferrier, E. L., & Co., contractors, Ellensburg, Wash.
Ferrin, F. M., wire cables, 3 Park, Boston, Mass.
Ferris Bros., cornices & skylights, South Manchester, Conn.
Ferris, Chas. S., sash, door & blind mfr., 232 McCullough, Cincinnati, Ohio.
Ferris, F. A., & Co., meat packers, 262 Mott, New York.
Ferris, Geo. A., architect, Reno, Nev.
Ferris, John, Jr., brushes, 400 B'way, Albany, N. Y.
Ferris, Jno. & Sons, lbr., Brookville, Ind.
Ferris, O. J., paint, Plainville, Ohio.
Ferris Pressed Brick Co., Ferris, Tex.
Ferris Steam Mortar Wks., masons' & bldrs.' matls., 632 Galloway av, Columbus, Ohio.
Ferris, Theo. E., naval architect, 30 Church, New York.
Ferro Brick Co., Watsontown, Pa.
Ferro Concrete Construction Co., Richmond & Harriet, Cincinnati, Ohio.
Ferro Concrete Products Co., agrl. implt. steel, 53 W. Jackson blvd, Chicago, Ill.
Ferro Construction Co., 537 S. Dearborn, Chicago, Ill.
Ferro Machine & Foundry Co., grey iron casting for automobiles, trucks & tractors, etc., E. 66th & Hubbard av, Cleveland, Ohio.
Ferro Products Co., tanks, pans, etc., W. 13th & Wythe av, B'klyn, N. Y.
Ferrochem Co., Ltd., feed water treatment for boilers, 30 Church, New York.
Ferrofix Brazing Co., brazing compounds, 225 S. 24th, Phila., Pa.
Ferrofix Brazing & Machine Wks., cast iron, Seattle, Wash.
Ferrosteel Co., 425 Prospect av, N. W., Cleveland, Ohio.



Ferry-Baker Lumber Co., Everett, Wash.
Ferry, C. S., & Son, sash, door & blind, Pittsfield, Mass.
Ferry Cap & Set Screw Co., bolts, studs, etc., Cleveland, O.
Ferry, John J., architect, Englewood, N. J.
Fersinger, Peter, contractor, 1 N, N. W., Washington, D. C.
Fertile Brick & Tile Co., Fertile, Minn.
Fertile Chem. Co., E. 4th & Prospect, Cleveland, Ohio.
Fesenfeld & Barber, machsts. & fndrs., Black Earth, Wis.
Fess Bros., willow ware mfrs., 412 Ames, Rochester, N. Y.
Fess Rotary Oil Burners, Inc., see Petroleum Heat & Pow Co. (successors).
Fessenden, B. & A. D., Co., lumber, Townsend, Mass.
Fessenden & Co., silver novelties, 100 Friendship, Providen R. I.
Fessler, David, cornices, 347 E. 105th, New York.
Festus Pressed Brick Co., Festus, Mo.
Feth, Wm. P., architect, Leavenworth, Kans.
Fetherston, Chas. E., architect, 101 Park av, New York.
Fetterolf, Edwin H., architect, 1524 Chestnut, Phila., Pa.
Fetter's, Jacob, Sons, sash, door & blind, Milton, Pa.
Fettig, Jos., scrap iron, steel & rubber, 1910 Plum, Cinc nati, Ohio.
Fetzer Bros., wholesale hdwe., Brookville, Pa.
Fetzer & Co., machsts. & fndrs. agric'l implements, Springfi Ill.
Fetzer, G. W., turpentine, Eden, Ga.
Fetzer-Menger Co., contractors, Bessemer Bldg., Pittsburgh,
Feuchtwanger, L., & Co., acid, 74 Cortlandt, New York.
Feudtner, Wm., iron, 391 7th, Jersey City, N. J.
Feuerstein, S. B., & Co., printing presses & machy., 542 Ja son blvd, Chicago, Ill.
Feugill, Jno. H., architect, 316 Essex, Lawrence, Mass.
Fewlass-Leen Brass & Iron Co., brass fndrs., 610 E. Fr Cincinnati, Ohio.
Fiat Metal Mfg. Co., tubing, manifolds, partitions, etc., 223 Huron, Chicago, Ill.
Feyer Constr. Co., 277 Burgess, St. Paul, Minn.
Fezandie, Felix, color mfr. & imptr., 205 Fulton, New York.
Fiber Barrel Mach. & Mfg. Co., 2516 Jane, Pittsburgh, Pa.
Fiber Grand Co., cordage & paper, Grand Rapids, Mich.
Fiberide Sample Trunk Co., 252 Lafayette, New York.
Fiberlic Co., wall coverings, Camden, N. J.
Fiberloid Co., Indian Orchard, Mass.
Fiberoid Trunk Wks., 4621 B'way, Chicago, Ill.
Fibre Case & Nov. Co., 274 Church, New York.
Fibre Conduit Co., Orangeburg, N. Y.
Fibre Container Co. of Pa., Nixon, Philadelphia, Pa.
Fibre Corp., paper & pulp mills, Lockport, N. Y.
Fibre Cushion Horse Shoe Co., 88 New Chambers, New York
Fibre & Fabric, trade publications, 127 Federal, Boston, M
Fiber Finishing Co., washers, 117 Lincoln, Boston, Mass.
Fibre Finishing Co., gaskets & packing mfrs., 73 Trem Boston, Mass.
Fibre Package Co., corrugated paper, 473 Clay, Detroit, Mic
Fibre Rock Mfg. Co., packing mfrs., 4566 Silverwood, Phila.,
Fibre Sample Case & Trunk Co., 535 B'way, New York.
Fibre Specialty Mfg. Co., sample cases, Kennett Square, Pa.
Fibre Trunk & Case Co., Nashville, Tenn.
Fibrestone & Roofing Co., 199 10th, San Francisco, Cal.
Fibro Mfg. Co., cane webbing, 9th & Chestnut, Philadelphia,
Fibro Products Co., candle tubes, New Bedford, Mass.
Fichtenberg, Hans H., soap powder, 216 W. Water, Milwau Wis.
Fichter & Brooker, architects, 2 Nat'l. Bk. Bldg., Akron, O
Fichtner, Wm., willow ware mfrs., 723 North 2nd, Phila., Pa
Ficken, H. Edwards, architect, 10 W. 22d, New York.
Ficken, Wm. H., htg. contrs., 232 Robinson, Brooklyn, N. Y
Fickes, H., & Son, contractors, Altoona, Pa.
Fickett, O. A., Co., meat packers, Bangor, Me.
Fickincher, Fred, cornices, Lock Haven, Pa.
Ficks-Reed Co., rattan & reed furniture, children's carria 424 Findlay, Cincinnati, Ohio.
Fidalgo Island Packing Co., Anacortes, Wash.
Fidalgo Lumber & Box Co., shooks, Anacortes, Wash.
Fiddelke, H. G., architect, Parkside Bldg., Oak Park, Ill.
Fidelity Brass Mfg. Co., castings, priming cups & air pumps, 1001 Washington blvd., Chicago, Ill.
Fidelity Can Co., 600-610 S. Caroline, Baltimore, Md.
Fidelity & Casualty Co., insurance, 97 Cedar, New York.
Fidelity Chemical Corp., fertilizer mfrs., Houston, Tex.
Fidelity Coal & Supply Co., masons' & bldrs. matls., Lima,
Fidelity Constr. Co., Heed Bldg., Philadelphia, Pa.
Fidelity & Deposit Co. (Develop. Dept.), bonding company delity Bldg., Baltimore, Md.
Fidelity Electric Co., dynamo & motor mfrs., Lancaster, Pa.
Fidelity Lbr. Co., Doucette, Tex.
Fidelity Mach. & Mfg. Co., tex. machy., cylinders & knitting machines, etc., 4015 Paul, Fkd., Philadelphia,
Fidelity Mfg. Co., cotton damasks, Charlotte, N. C.
Fidelity Metal Co., babbit metal, 192 Diamond, Brooklyn,
Fieber & Holmes, sashes, doors & blinds, Brookville, Ind.
Fiebing Chemical Co., oils, metal polish, etc., 240 Reed, waukee, Wis.
Fiedler, A. B., & Sons, silk fringes, 305 W. Adams, Chicago,
Flegel, Albert L., Co., architects, 28 E. Jackson blvd., cago, Ill.
Fiegle, Geo., contractors, Austin, Tex.

go, Alex. J. R., instruments of precision, Lynn, Mass.
hler, Aug. D., contractor, Youngstown, O.
ld, A. J., & Son, lbr. mfrs., Kings Creek, Ky.
ld, Alfred & Co., core compounds, wholesale hdwe., etc., 93 Chambers, New York.
ld, Barker & Underwood, contractors, 14 S. Penn sq., Philadelphia, Pa.
ld-Brundage Engine Wks., machsts., Jackson, Mich.
ld, C. R., Mfg. Co., children's carriages, Greenfield, Mass.
ld, Chas. H., moulds, ladles & engraving machines, 113 Point, Providence, R. I.
ld & Clarkson, architects, Wheat Bldg., Fort Worth, Tex.
ld Contracting Co., 40 Manhattan av, New York.
ld, D. S., & Levi, lbr., Chattanooga, Tenn.
ld, David W., water filters, Builders' Exch., Philadelphia, Pa.
ld Force Pump Co., Elmira, N. Y.
ld, G. C., architect, Henry bldg, Seattle, Wash.
led, Geo. C., contr., Madison, Conn.
ld, Jas., Co., tents, Rochester, N. Y.
ld, Julian, & Co., cottonseed oils, Atlanta, Ga.
ld, L. H., Jr., architect, Jackson, Mich.
ld & Lawrence, mill & facty. supplies, Bellows Falls, Vt.
ld, R. B., & Co., leather washers, packings & specialties, Worcester, Mass.
ld & Shorb Co., mill & fcty., plumbers' & steam fitters' supplies, Decatur, Ill.
d, Walter W., & Son, machsts., Cambridge, Mass.
d & White Co., felt, paper & pulp mills, 116 Nassau, New York.
d, Wm. H., Co., mill & facty. supplies, 35 Washington, N., Boston, Mass.
der, A. A., Lumber Co., Sherman, Tex.
der & Allen Co., architects & engineers' instr. & supplies, Atlanta, Ga.
der, Elbert O., contractor, Allenhurst, N. J.
ding, A., & Bros., tassels, drapery, saddlery, etc., Hoboken, N. J.
ding, Fred A., architect, 117 Buffalo av, Paterson, N. J.
ding, Harry P., architect, 97 College av, Troy, N. Y.
ding, Mantle, architect, 518 Walnut, Philadelphia, Pa.
ding & Shepley, bldg. contrs., 216 W. University av, St. Paul, Minn.
dner & Son, lumber, Ney, Ohio.
ds Brick Co., Chester, Pa.
d's, Chas. J., Sons, wholesale hdwe., 633 Market, Phila., Pa.
ds, E. Stanley, architect, Reserve Bank Bldg., Kansas City, Mo.
ds, L. C., flour, McHenry, Ga.
ds Mfg. Co., woolen blankets, Mouth of Wilson, Va.
dstein, J. Ethan, architect, Penfield bldg, Philadelphia, Pa.
s, W. T., machsts., Red Key, Ind.
r & Beatty, mill & facty. supplies, Front & Lehigh av, Philadelphia, Pa.
ld Bros. Co., mill & facty. supplies, Augusta, Me.
ld, E. L., whol. lumber, Monadaock Bldg., San Francisco, Cal.
ld Lumber Co., sash, door & blind, Janesville, Wis.
h Avenue Coal Co., masons' & bldrs.' matls., 5th av & Big Four, Columbus, Ohio.
, L. R., & Co., contractors, Louisville, Ky.
e, Fred, Co., meat packers, 285 Atlantic av, Brooklyn, N. Y.
e & Hutwelker Co., meat packers, 621 W. 40th, New York.
nolo, J., contractor, 719 Union av, New York.
eria Cut Glass Co., Hammonton, N. J.
. H. P., & Co., architects, Peru, Ind.
nent Supply Co., Hoboken, N. J.
, Thos. M., Co., contrs., Cicero, Ill.
& Vittner, architects, 175 W. Jackson blvd., Chicago, Ill.
. Wm. F., contr., Peoria, Ill.
& Alexander, contrs., Decatur, Ill.
. Edw. T., sash, door & blind mfrs., 5503 Washington Bl., Chicago, Ill.
& Stowell Co., engines, pumps, saw mill machy., etc., Milwaukee, Wis.
. W. H., brick, Grove City, Pa.
& Perrelli Canning Co., Gilroy, Cal.
n Mill & Lumber Co., Port Angeles, Wash.
. Meydrech & Co., sash, door & blind mfrs., 1420 W. 21st, Chicago, Ill.
ns, O. B., buckwheat flour, Stanton, Mich.
S. M., architect, Chula Vista, Cal.
rove, Louise A., cornices & skylights, Ironton, Ohio.
n, Jos., cornices, North Platte, Neb.
n, S. O., raw mica, 68 Murray, New York.
ore Av. Fdry. & Iron Wks., Buffalo, N. Y.
n, V. & F. W., Co., boot counters, Brockton, Mass.
n, A. R., & Son, contrs., Bellefontaine, Ohio.
Fabrics Co., filter bags, clothes, cordage, etc., Salt Lake City, Utah.
am, George, architect, 262 Central av, St. Petersburg, Fla.
ne Mfg. Co., water filters, 53 Lexington, Brooklyn, N. Y.
ni, Joseph, & Son, contrs., 483 Breckinridge, Buffalo, N. Y.
, J. H., Co., machsts., 24 Beach, Boston, Mass.
Mfg. Co., mining machry., Scranton, Pa.
, Pruyn & Co., lime, lbr., marble, paper & pulp mills, Glens Falls, N. Y.
, T. A., flour, Eupora, Miss.

Fincham, C. T., architect & contractor, Moore Bldg., San Antonio, Tex.
Finck, J. C., Mine & Milling Co., barytes, 101 Barton, St. Louis, Mo.
Finck & Oldroyd, silver nov., Elizabeth, N. J.
Fincke, Oscar, bar fix., 1916 Bryant, San Francisco, Cal.
Findeisen & Kropf Mfg. Co., plumbers' wood work, 2559 W. 21st, Chicago, Ill.
Findeisen & Kropf Mfg. Co., plumbers' wood wk., auto. windshields, etc., 2559 W. 21st, Chicago, Ill.
Findlater Hardware Co., San Angelo, Tex.
Findlay Carriage Co., Findlay, Ohio.
Findlay Clay Pot Co., Findlay, Ohio.
Findlay Electric Porcelain Co., Findlay, Ohio.
Findlay Engng. & Mfg. Co., fndrs., Findlay, Ohio.
Findlay, Robt., Mfg. Co., elec. light fix. mfrs., 28 Warren, New York.
Findley Elec. Co., armatures, 215 S. 5th, Minneapolis, Minn.
Findley, H. L. Co., contractors, Noblesville, Ind.
Findling, H. M., cornices, Valparaiso, Ind.
Findorff, J. H., bldg. contr., Madison, Wis.
Fine, Horace E. Co., monograms, Trenton, N. J.
Finger & Bailey, architects, Kress Bldg., Houston, Tex.
Fingerhut, Ed., elec. light fix. mfrs., 1206 N. 4th, Phila., Pa.
Fingerle, Jno. C., machsts. & fndrs., Mason, Mich.
Fingles, W. A., cornices, 29 S. Howard, Baltimore, Md.
Finigan, Zabriskie Co., machsts., Paterson, N. J.
Fink, A., & Sons, meat packers, 129 Belmont av, Newark, N. J.
Fink, Adam, cotton damasks, Orthodox & Large, Phila., Pa.
Fink, Alexander W., mach. & fndr., Converse, Ind.
Fink Bros., contractors, 302 Central av, Albany, N. Y.
Fink Instrument Co., 804 Pine, St. Louis, Mo.
Fink, Philip, & Sons, cornices, 213 S. 1st, Louisville, Ky.
Fink, W. A., architect, 426 Franklin Reading, Pa.
Finkbine Lbr. Co., Jackson, Miss.
Finke Bros., cooperage stock, Portland, Ore.
Finke, Engng. Co., contrs., 1533 Germantown, Dayton, Ohio.
Finke Mfg. Co., arch'l. modelers & sculptors, 83 Plane, Newark, N. J.
Finkel, Maurice H., architect, Chamber of Comm., Detroit, Mich.
Finkell-Hackmeister Chemical Co., nickel salts, 1910 Forbes, Pittsburgh, Pa.
Finkell, Wm. T., nickel salts, 103 Maiden la, New York.
Finkelstein & Co., window display fixtures, 48 Mangin, New York.
Finkelstein, M., cornices, 37 Spring, Boston, Mass.
Finkenbinder, C. E., architect, 610 S. B'way, Los Angeles, Cal.
Finkensieper, Benj., architect, 134 Broadway, Brooklyn, N. Y.
Finkl, A., & Sons, drop forgings, 1326 Cortland, Chicago, Ill.
Finkle, A. N., lumber, Spring Mills, Pa.
Finkle, J. J., contractor, Gloversville, N. Y.
Finlay & Robb, cornices & skylights, Seattle, Wash.
Finley Canning & Mfg. Co., Ozark, Mo.
Finn, Alfred G., architect, 716½ Main, Houston, Tex.
Finn, Geo. M., soap, 427 E. Water, Syracuse, N. Y.
Finn, Jas. E., bldg. & general contrs., Geneva, N. Y.
Finn, James J., & Son, contractors, 9 Cuyler av, Albany, N. Y.
Finn, John, & Co., contractors, 2375 Woodward, Detroit, Mich.
Finn, Jno., Metal Works, 384 2nd, San Francisco, Cal.
Finn, P. W., & Son, contrs., Altoona, Pa.
Finn, Robert, architect, Free Press Bldg., Detroit, Mich.
Finne & Gjarde, contractors, Northern Bk. Bldg., Seattle, Wash.
Finnegan, Thos. J., heating contractors, Jersey City, N. J.
Finnell, John H., contractor, Niagara Falls, N. Y.
Finney, C. H., & Sons, stone, 139 W. 53d, New York.
Finney, G. W., Lumber Co., Odessa, Wash.
Finney, Wm. W., canned goods, Bel Air, Md.
Finnigan, J. J., & Co., tubular boilers, Atlanta, Ga.
Finnila, M. A., brick contr., 9 Douglass, San Francisco, Cal.
Finola Mfg. Co., floor scrubbing machs., Hannibal, Mo.
Finster, G. C., architect, Flint, Mich.
Finucane Boiler Wks., Houston, Tex.
Finver Bros. & Co., umbrella mfrs., 126 5th av, New York.
Finzer Bros. Clay Co., brick, Sugar Creek, Ohio.
Fir Tree Lbr. Co., Tacoma, Wash.
Fire Alarm Signal Co., 303 Congress, Boston, Mass.
Fire Creek Coal & Coke Co., Staunton, Va.
Fire Detecting Wire Co., thermostats, 2 W. 45th, New York.
Fire & Gas Appliance Co., valve mfrs., 1906 Wyandotte, Kansas City, Mo.
Fire Gun Mfg. Co., fire extinguishers, 115 4th av, New York.
Fire Prevention Fire Door Mfg. Co., 231 W. 19th, New York.
Fire Protection & Equipment Co., automatic fire sprinklers, 23 Minna, San Francisco, Cal.
Fire & Water Engng., trade publication, 154 Nassau, New York.
Firebaugh, D. W., canned goods, Fincastle, Va.
Firebaugh, W. H., canned goods, Troutville, Va.
Firedoor Contr. Co., Inc., 412 E. 23rd, New York.
Fireproof Products Co., metal lath, 257 E. 33rd, New York.
Firestone Park Bldrs. Supply Co., Akron, Ohio.
Firestone Tire & Rubber Co., Akron, Ohio.
Firex Mfg. Co., fire extinguishers, 2039 S. Morgan, Chicago, Ill.
Firman, John A., contr., Prophetstown, Ill.
Firm L'br. Co., Hattiesburg, Miss.
Firminger, Harry, architect, Oppenheim bldg, St. Paul, Minn.
Firsching, J. A., textile machinery, 614 Broad, Utica, N. Y.

First Avenue Brick & Tile Co., Evansville, Ind.
Firstenberg, J., advtg. spec., 332 East 48th, New York.
Firth-Sterling Steel Co., McKeesport, Pa.
Firth, Wm., tex. mach'y supplies, etc., 200 Devonshire, Boston, Mass.
Fischback Mfg. Co., machsts. & fndrs., Peoria, Ill.
Fischbeck Soap Co., 17th & Rhode Island, San Francisco, Cal.
Fischer, Adam E., architect, 373 Fulton, Brooklyn, N. Y.
Fischer-Boutin Lbr. Co., Springfield, Ore.
Fischer Bros., store fixtures, 5 E. 137th, New York.
Fischer Can Co., Hamilton, Ohio.
Fischer, Chas., Spring Co., flexible shafts, metal nov. & specialties, wire springs, etc., 473 Kent av, Brooklyn, N. Y.
Fischer & Flohr, hog rings, Bucyrus, Ohio.
Fischer Foundry Co., 1615 Roland, Pittsburgh, Pa.
Fischer, Fred'k Wm., architect, 9129 Commercial av, Chicago, Ill.
Fischer, Geo., & Co., contractors, 406 12th av, Long Island City, N. Y.
Fischer, Geo. J., architect, 406 12th av, Astoria, N. Y.
Fischer, H. G., & Co., therapeutic lamps, 2341 Wabansic av, Chicago, Ill.
Fischer & Hayes Rope & Steel Co., 742-744 W. Van Buren, Chicago, Ill. *See adv. index at end of book.*
Fischer, J. A., contractors, Atlanta, Ga.
Fischer, J. & C., pianos, 417 W. 28th, New York.
Fischer, & Jirouch Co., archl. modelers, 4821 Superior av., Cleveland, Ohio.
Fischer, John B., architect, 140 S. Dearborn, Chicago, Ill.
Fischer, L. A., & Co., masons' & bldrs.' matls., Bradford, Pa.
Fischer Leaf Co., stove mfrs., Louisville, Ky.
Fischer Lime & Cement Co., Memphis, Tenn.
Fischer L'br. Co., Marcola, Ore.
Fischer Machine Co., machsts, 310 N. 11th, Philadelphia, Pa.
Fischer Mach. Wks., 1845 Carroll av, Chicago, Ill.
Fischer Soap & Oil Co., 2715 Colerain av, Cincinnati, Ohio.
Fischer Special Mfg. Co., screw machine products, 2076 Reading rd, Cincinnati, Ohio.
Fischer-Sweeney Bronze Co., alum. castings & rods, Hoboken, N. J.
Fischer, Wm. G., Stove & Range Co., 326 McFarland, Cincinnati, Ohio.
Fiscus, W. J., cornices & skylights, Findlay, Ohio.
Fish, A. E., & Co., machsts., Denver, Colo.
Fish, A. E. & Co., screens—window & door, Keene, N. H.
Fish Brush Factory, 4700 Lorain av, Cleveland, Ohio.
Fish, Charles R., & Co., architects, Worcester, Mass.
Fish, Chas. W., Lbr. Co., Elcho, Wis.
Fish, E. M., Co., bldg. contrs., Eau Claire, Wis.
Fish, Ferd, architect, Larchmont, N. Y.
Fish, G. R., wood handles, Hancock, N. Y.
Fish, H. A., & Co., masons' & bldrs.' matls., Elmira, N. Y.
Fish & Horton Co., cabinets, panelboard, 133-135 Mill, Rochester, N. Y.
Fish & Hunter Co., sashes, doors & blinds, Deadwood, S. D.
Fish, James, contrs., Stapleton, N. Y.
Fish River Mfg. Co., lbr., Eagle Lake, Maine.
Fish Rotary Oven Co., Walworth, Wis.
Fish Stone Co., West of Canal, Columbus, Ohio.
Fishbein Bros., 85 Mercer, New York.
Fishel & Marks Co., The, iron & steel, foot of Krakow av, Cleveland, O. *See adv indcx at cnd of book*
Fishel-Nessler Co., silver nov., 184 5th av, New York.
Fisher, A., machsts. & fndrs., Macomb, Ill.
Fisher, A. B., Co., machsts. & fndrs, 18 Dunham pl, B'klyn, N. Y.
Fisher, A. J., & Son, architect, 4011 N. Robey, Chicago, Ill.
Fisher, Aaron, stone producers, Delphos, Ohio.
Fisher-Adam Mfg. Co., household spec., signs & tire vulcanizers, 3624 Enright, St. Louis, Mo.
Fisher & Aitken, architects, Idaho Falls, Idaho.
Fisher, Albert, carriages, 460 E. Grand blvd., Detroit, Mich.
Fisher, Alfred, furnaces, 76 W. Adams, Chicago, Ill.
Fisher Auto Top Co., Norwalk, Ohio.
Fisher Bagasse Furnace Co. (Ltd.), New Orleans, La.
Fisher Body Corp., auto bodies, Oakland & Piquette, Detroit, Mich.
Fisher Box Co., packing, Menominee, Mich.
Fisher Brass Fdry. Co., Milwaukee, Wis.
Fisher Bros., architects, Pontiac, Mich.
Fisher Bros. Co., steam fitters' supplies, Astoria, Ore.
Fisher Bros. Paper Co., pads & tablets, Fort Wayne, Ind.
Fisher, Charles H., masons' & bldrs.' materials, Reading, Pa.
Fisher, Chase Mfg. Co., fuse boxes & disconnecting switches, 118 Parsons av, Columbus, Ohio.
Fisher, Churchill Co., masons' & bldrs.' matls., Dedham, Mass.
Fisher, Clellan Waldo, architect, 58 Front, Worcester, Mass.
Fisher Co., store & bar fixtures, Charles City, Ia.
Fisher & Davis Mfg. Co., mill & facty. supplies, 934 N. 1st, St. Louis, Mo.
Fisher-De Vore Construction Co., builders, etc., 35-36 Blymyer Bldg., Cincinnati, Ohio.
Fisher, E. J., & Co., scrap iron, Wilkes-Barre, Pa.
Fisher, E. W., Co., steam fitters' supplies, 811 Superior av, NE., Cleveland, Ohio.
Fisher Electrical Works, dynamo mfrs., 32 Lynn, Detroit, Mich.
Fisher, Elmer, Co., lbr., Ironton, Ohio.
Fisher, Francis J., masons' & bldrs.' matls., Denver, Colo.



Fisher, Fred. W., architect, 1476 B'way, New York.
Fisher, Geo. A., Co., contractors, 600 W. 144th, New York.
Fisher, Geo. H., Jr., architect, 224 Manson pl, Plainfield, N. J.
Fisher, Geo. L., architect, City Nat'l Bank bldg, Omaha, Neb.
Fisher, Governor Co., machsts. & fdrs., Marshalltown, Ia.
Fisher, Gurdon R., architect, Newton Highlands, Mass.
Fisher, Henry, architect, 97 Main av, Vineland, N. J.
Fisher, H. Messinger, architect, 483 Bloomfield av, Montcla N. J.
Fisher, Homer, architect, Anaconda, Mont.
Fisher, Jacob, architect, 25 Av. A, New York.
Fisher, John S., elec. contr., Danbury, Conn.
Fisher & Jones, architects, Westinghouse bldg, Pittsburgh, I
Fisher Knitting Machine Co., 19 Whitesboro, Utica, N. Y.
Fisher, L., Co., contractors, Waltham, Mass.
Fisher & Lambie, contractors, Austin, Tex.
Fisher Leather Belting Co., 221 N. 3d, Philadelphia, Pa.
Fisher, M., contractor, 687 Mission, San Francisco, Cal.
Fisher Mach. & Tool Co., 102 Broadway, Buffalo, N. Y.
Fisher Machine Works Co., Leavenworth, Kans.
Fisher, Mahlon Leonard, architect, Williamsport, Pa.
Fisher Mfg. Co., ball bearings, East Liverpool, Ohio.
Fisher Mfg. & Fuel Co., masons' & bldrs. matls., Wilmington,
Fisher Mfg. Co., tire repair patches, Lincoln, Neb.
Fisher, Martin, architect, 2156 Central av, Cincinnati, O.
Fisher, Martin & Sons, cornices, 438 Pearl, Buffalo, N. Y.
Fisher Mine Equip. Co., mine cars & fans & roller bearing mi car wheels, W. Newton, Pa.
Fisher, Nicholas E., architect, Williamsport, Pa.
Fisher & Norris, anvils, vises, etc., Trenton, N. J.
Fisher, Philip, cornices, 1066 Central av, Cincinnati, Ohio.
Fisher, R. H., contractor, Cedar Rapids, Ia.
Fisher, Richard A., architect, 45 Bromfield, Boston, Mass.
Fisher, Richards & Todd, hardware (whol.), Hazleton, Pa.
Fisher & Rohleder, elec. light fix. mfrs., 219 W. Saratoga, Ba more, Md.
Fisher, S. J., masons' & bldrs.' matls., Union City, Ind.
Fisher, S. L., & Son, contrs., Elizabeth, N. J.
Fisher Specialty Co., plbrs'. supplies, 326 Ogden av, Milwaul Wis.
Fisher & Stables, flour mills, Hebron, Va.
Fisher, Thorsen & Co., paint, glass, Portland, Ore.
Fisher Tool & Supply Co., mill & facty. supplies, 112 Woodwa Detroit, Mich.
Fisher, W. H., fndrs., Rebuck, Pa.
Fisher, W. O., brick, Basco, Ill.
Fisher & Wilson Co., lumber, 819 Rockefeller Bldg., Cleveland
Fishers Canning Co., Fishers, Ind.
Fisk, E. W., cream separators, Newark, N. Y.
Fisk Mfg. Co., see Am. Textile Soap (successors).
Fisk Paper Co., Hinsdale, N. H.
Fisk Rubber Co., Chicopee Falls, Mass.
Fiske Bros. Refining Co., oil & grease, 24 State, New York.
Fiske-Carter Construction Co., 11 Foster, Worcester, Mass.
Fiske & Co., masons' & bldrs.' matls., 25 Arch, Boston, Mas
Fiske Corp., sash, door & blind mfrs., hdwe., Natick, Mas
Fiske, J. W., Iron Wks., 111 Park pl, New York.
Fiske & Meginnis, architects, Bankers' Life Bldg., Lincoln, N
Fissell, Wm. H., & Co., contractors, 1328 Broadway, New Yor
Fitall, John C., Co., contractors, 181 Putnam av, Brooklyn, N
Fitch Dustdown Co., sweeping compounds, 1028 W. Front, cinnati, Ohio.
Fitch Gear Co., Rome, N. Y.
Fitch, John & Son, cornices & skylights, Millersburg, Ohio
Fitch, R. F. & W. B. Co., harness mfrs., Oskaloosa, Ia.
Fitch, W. & E. T. Co., fndrs., New Haven, Conn.
Fitch, Will A., & Co., contrs., Shelbyville, Ky.
Fitchburg Automatic Machine Wks., multiple spindle s mach. mfrs., Fitchburg, Mass.
Fitchburg Brick Co., Fitchburg, Mass.
Fitchburg Duck Mills, Fitchburg, Mass.
Fitchburg Enamel Co., Fitchburg, Mass.
Fitchburg Fndry Co., Fitchburg, Mass.
Fitchburg Grinding Machine Co., Universal grinders n Fitchburg, Mass.
Fitchburg Hardware Co., whol. hdwe., masons & bldrs. mat contrs. supplies, Fitchburg, Mass.
Fitchburg Htg. & Plumbing Co., Fitchburg, Mass.
Fitchburg Horn Goods Co., hair pin mfrs., Fitchburg, Mas
Fitchburg Machine Wks., turning lathes mfrs., Fitchburg,
Fitchburg Paper Co., Fitchburg, Mass.
Fitchburg Steam Engine Co., Fitchburg, Mass.
Fite & Arbelo Co., sash, door & blind, 20th & Glenwood Philadelphia, Pa.
Fite Hardware Co., wholesale, Dalton, Ga.
Fitler, Edwin H., Co., cordage & twine mfrs., 517 Arch, P delphia, Pa.
Fitton, Harry R., architect, 540 N. Meridian, Indianapolis,
Fitts, Frank E., Mfg. & Supply Co., mills & facty. supplie Purchase, Boston, Mass.
Fitwell Knitting Co., Cohoes, N. Y.
Fitzberger, Thos. F., cornices, 202 Clay, Baltimore, Md.
Fitzdale Paper Co., Fitzdale, Vt.
Fitz-Dana & Brown, tin plate, 441 Pearl, New York.
Fitz Dana & Co., wholesale hdwe., 110 North, Boston, Ma
Fitzgerald, Chas., architect, Hathaway Bldg., Milwaukee,
Fitzgerald Cotton Mills, Fitzgerald Ga.
Fitzgerald Cotton Oil Co., Fitzgerald, Ga.

zgerald, D. F., granite, Quincy, Mass.
zgerald, David, cornices, Yonkers, N. Y.
zgerald, Edward P., architect, 340 Main, Worcester, Mass.
zgerald, F. H., architect, Alworth Bldg., Duluth, Minn.
zgerald, J. E., Co., contractors, New London, Conn.
zgerald, J. P., contractor, Saratoga Springs, N. Y.
zgerald, J. W., Co., sand dlrs., Savannah, Ga.
zGerald, Jas. H., packing box mfr., 532 W. 20th, New York.
zgerald, John J., & Co., masons' & bldrs.' matls., 2d & Butler, Philadelphia, Pa.
z Gerald, John L., journal bearings, castings, etc., Albany, N. Y.
zgerald Laboratories, Niagara Falls, N. Y.
zgerald, M. J., Co., mill & facty. supplies, 252 Lafayette, New York.
zgerald Mfg. Co., battery connectors, auto horns, etc., Torrington, Conn.
zgerald-Speer Co., sash, door & blind, Pen Argyl, Pa.
zgerald Trunk Co., 1214 Wells, Chicago, Ill.
zgerald, W. H. J., Co., dealers in metal, trades machinery, 165 High, Boston, Mass.
zgerald, W. & Son, contractors, Salem, Mass.
zgerald, Wm. J., contractor, Beloit, Wis.
zgibbon Boiler Co., Oswego, N. Y.
zgibbon & Crisp, wood & metal auto bodies, carriages, Trenton, N. J.
z-Gibbon, J. D., contractor, Gravel & Windsor, St. Louis, Mo.
zgibbons Bros., carriages, Monroe, Wis.
zgibbons, Jas., contractor, Ogdensburg, N. Y.
zgibbons, P. F., lbr., Reynolds, Ga.
zhenry, E. L. & Co., machsts. & fndrs., 49 Washington, N. Boston, Mass.
zhenry-Guptill Co., spray pumps, 135 First, Boston, Mass.
zhugh, L. M., architect, Phoenix, Ariz.
zhugh, Thornton, architect, Story Bldg., Los Angeles, Cal.
zMahony, Michael J., architect, 109 Broad, New York.
zpatrick Bros., cleaning compounds, 1319 W. 32d pl, Chicago, Ill.
zpatrick, F. W., architect, 101 S. Dearborn, Chicago, Ill.
zpatrick & Hoepfner, contractors, 63 E. Gay, Columbus, Ohio.
zpatrick, J. J., & Sons, contractors, Plattsburg, N. Y.
zpatrick, John, architect, 271 E. 198th, New York.
zpatrick, John, Co., soap, 28th & Western av, Chicago, Ill.
zpatrick Products Corp., stump pullers, 99 John, New York.
Simmons, A. Burch, architect, Bond Bldg., Washington, D. C.
simmons & Connell Dredge & Dock Co., 2431 S. Paulina & 10 S. La Salle, Chicago, Ill.
simmons, Frank, contrs., Springfield, Ill.
simmons, Thos. E., brick, Phoenix, Ariz.
simmons, Wm. J., architect, 207 Market, Newark, N. J.
simons Co., cold drawn steel mfrs., Youngstown, Ohio.
Water Wheel Co., Hanover, Pa.
& Ten Store Magazine & Variety Review, trade publications, Gerke Bldg., Cincinnati, Ohio.
r, W. E., canned goods, Bedford, Va.
s, S., Sons, steam flue welding, Leonard & Winter, Cleveland, Ohio.
ure Specialty Co., shade holders, Los Angeles, Cal.
ure Spray Co., pneumatic spray brushes, 545 W. 22d, New York.
cus, C. L., Glass Co., bottles, tex. machy., spinning frames, Empire Bldg., Pittsburgh, Pa.
cus, E. C., Co., canned goods, Wheeling, W. Va.
cus, Wm., Oak Leather Co., blacksmiths' bellows, 1228 River av, Pittsburgh, Pa.
h, Ernest, flour, Comfort, Tex.
x Bros., masons' & bldrs., matls., East Chicago, Ind.
g, Ernest, architect, 111 E. 40th, New York.
g, Geo. A., architect, 665 Newark av., Jersey City, N. J.
g, L. G. & Co., glass mosaic wk., Sudbury Bldg., Boston, Mass.
g, Montague, architect, 244 Madison av, New York.
g, Stanley G., & Co., machsts. & fndrs., Morris Bldg., Phila., Pa.
er & Allen, brick, Arlington, N. Y.
er Co., contractors, Atlanta, Ga.
taff Lbr. Co., Flagstaff, Ariz.
rty, C. J., Granite Works, St. Cloud, Minn.
rty, W. N., cement contr., Daly City, Cal.
. Francis A., architect, 2743 W. 22nd, Chicago, Ill.
beau Lbr. Co., Lac De Flambeau, Wis.
beau Paper Co., Park Falls, Wis.
beau River Lbr. Co., Ladysmith, Wis.
boe, A. G. H., architect, Keokuk, Ia.
gan & Beidenweg Co., glass stainers, 312 W. Illinois, Chicago, Ill.
gan, Geo. J., school supplies, 515 S. 5th av, Chicago, Ill.
gan, John, Buggy Co., Greenville, N. C.
gan, Jno. J., Jr., stone producers, Lannon, Wis.
gan, M. C., file mfrs., New Haven, Conn.
gan, Stephen, & Sons, contractors, Scranton, Pa.
gan, Wm. contractor, 118 E. 28th, New York.
lers, A. F., Mfg. Co., display racks, Buffalo, N. Y.
lers, Chas., lbr., Brentwood, N. H.
lers Co., auto horns, Owen bldg, Detroit, Mich.
lers, Geo. L., lbr., Lebanon, N. H.
lers Hdwe. Co., North Weare, N. H.

Flanders, J. E., architect, 1320 Puterbough, San Diego, Cal.
Flanegin Hdwe. Co., cornices, Logansport, Ind.
Flanigan, P., & Sons, contractors, Harford rd & B. & O. R. R., Baltimore, Md.
Flanner-Steger Land & Lbr. Co., Blackwell, Wis.
Flanner Water Tube Boiler Co., Second National Bank Bldg., Akron, Ohio.
Flannery Bolt Co., Vanadium Bldg., Pittsburgh, Pa.
Flannery, J. Rogers & Co., lock washers, Vanadium Bldg., Pittsburgh, Pa.
Flannery, P. J., Co., steam cocks, fndrs., New Britain, Conn.
Flannery, P. J., & Son, contractors, Yonkers, N. Y.
Flannery, P., & Son, masons' & bldrs.' matls., State & Belt Line, East St. Louis, Ill.
Flash Chemical Co., soaps, cleansers, polishes & disinfectants, mfrs., 160 2d, Cambridge, Mass.
Flashtric Sign Wks., 216 N. Clinton, Chicago, Ill.
Flat-Slab Patent Co., concrete floors & arches, 332 So. Michigan av, Chicago, Ill.
Flat-Top Fuel Co., coke, Bluefield, W. Va.
Flater, H., & Son, pumps, Findlay, Ohio.
Flather Mfg. Co., gear cutting, special machy., lathes, etc., Nashua, N. H.
Flather, E. J., Mfg. Co., gear cutting machines & machine tools, Nashua, N. H.
Flather Fdry. Co., Nashua, N. H.
Flatley Bros. Co., masons' & bldrs.' matls., Green Bay, Wis.
Flavell Co., tallows, soap powders, Asbury Park, N. J.
Flavell, Geo. W. & Bro., elastic hosiery, 1011 Spring Garden, Philadelphia, Pa.
Flavin, W. H., & Co., plating wks., 247 Centre, New York.
Fleck Bros. Co., plumbers' supplies—jobbers, 44 N. 5th Philadelphia, Pa.
Fleck Carbon Co., 71 W. B'way, New York.
Fleck, Chas. W., cornices, 2016 Cherokee, St. Louis, Mo.
Fleck, M., clothes dryers, cans, etc., 338 E. 124th, New York
Fleckenstein, Geo. J., brick, Anna, Ohio.
Fleckenstein, V., machsts. & fndrs., Dorchester, Wis.
Fleet, Frank E., Co., patent leather, 112 Beach, Boston, Mass.
Fleet-McGinley Co., R. R. stationery, cor. South & Water, Baltimore, Md.
Fleetwood Metal Body Co., Fleetwood, Pa.
Fleig, L. L., & Co., 212 W. Austin av, Chicago, Ill.
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Fleischbein, Alan C., architect, Endicott bldg, St. Paul, Minn.
Fleischer, Ernst, Knitting Co., sweaters, etc., 379 11th av., Milwaukee, Wis.
Fleischhauer, F., & Son, thermometers, barometers & hydrometers, Hollis, Long Island, N. Y.
Fleischman, Jno L., lbr. mfrs., Saginaw, Mich.
Fleischmann Constr. Co., 531 7th av, New York.
Fleischmann Malting Co., 419 Plum, Cincinnati, Ohio.
Fleisher, W. L., & Co., Inc., coolers, dryers, regulators, etc., 31 Union Square W., New York.
Fleisher & Hoffman, contrs., Kasota bldg, Minneapolis, Minn.
Fleishhacker,, A., & Co., folding paper boxes, 401 2d, San Francisco, Cal.
Fleissner, Chas., leather embossing plates, 121 N. J. R. R. av, Newark, N. J.
Fleming, Alfred J., stone, sand & gravel dlrs., 109 Broad, New York.
Fleming, Arch, flour mills, Fairmont, W. Va.
Fleming Bros. Lbr. Co., masons' & bldrs.' matls., Denver, Colo.
Fleming & Co., canned goods, S. W. cor. Cross & Race, Baltimore, Md.
Fleming & Co., Masons' & bldrs.' matls., 253 B'way, New York.
Fleming, E. L., flour, Middleburg, N. C.
Fleming Fdry. Co., Springfield, Mass.
Fleming, J. H., & Son, stone producers, Henderson, Ky.
Fleming, Jas., cornices & skylights, Lansing, Mich.
Fleming, John G., & Son, paper & pulp mills, Dallas, Tex.
Fleming, J. R. & Son Co., mine car equipment, Scranton, Pa.
Fleming, John S., porch swings, etc., Plymouth, Ohio.
Fleming Lumber & Merc. Co., Red Cliff, Colo.
Fleming, Otto, medical batteries, 1028 Arch, Philadelphia, Pa.
Fleming & Sons Mfg. Co., agricl. implements, Huntsville, Mo
Fleming, S. K., contr., Montgomery, Ala.
Fleming, T. B., Dearing Hardware Co., Athens, Ga.
Fleming Tank Co., Inc., wooden tanks, 315 Liberty, Pittsburgh, Pa.
Fleming, Wm. H. Irwin, architect, 1504 H, N. W., Washington, D. C.
Fleming, Willis N., architect, Natick, Mass.
Fleming's, Wm., Sons, tubular boilers, New Castle, Pa.
Flemington Mill Co., flour, Flemington, W. Va.
Flemish Lynn Phonograph Co., talking machs., 269 37th, Brooklyn, N. Y.
Flemming Tank Co., wood, 3115 Liberty, Pittsburgh, Pa.
Flenen, L., Jr., architect, 3697 Boulevard, Jersey City, N. J.
Flentje, Ernest, shock absorber mfrs., 1643 Cambridge, Cambridge, Mass.
Flesher, Chas. H., machsts., Dunkirk, N. Y.
Fleshman, H. P., canned goods, Troutville, Va.
Fletcher, Arthur G. C., architect, Park av & 41st, New York.
Fletcher, E. F., architect, Independence, Kans.
Fletcher, E. R., granite producer, Hardwick, Vt.
Fletcher, E. R., machsts., Bloomington, Ind.
Fletcher, Geo. N., & Sons, lbr. mfrs., Alpena, Mich.

Fletcher, H. E., Co., crushed stone, contractors, West Chelmsford, Mass.
Fletcher, H. N., granite producers, Graniteville, Mass.
Fletcher-Lahey Co., contractors, 31 State, Boston, Mass.
Fletcher Lumber Co., Ottumwa. Ia.
Fletcher Mfg. Co., brackets, guy clamps, insulators, pulleys, etc., Dayton, Ohio.
Fletcher Mfg. Co., machsts. & fndrs., Newport, Ky.
Fletcher Paper Co., Alpena, Mich.
Fletcher, R. E., contrs., Plant City, Fla.
Fletcher, Robert C., architect, 179 W. Washington, Chicago, Ill.
Fletcher, Terry Co., glass cutters, putty knives, can openers, etc., Forestville, Conn.
Fletcher, W. A., machst. & fndr., Clarksville, Mo.
Fletcher, W. & A., Co., machsts. & fndrs., Hoboken, N. J.
Fletcher, W. B., & J. A., meal, McColl, S. C.
Fletcher Works, friction clutches, Glenwood av, Phila., Pa.
Fleurant, J. F., & Son, contractors, Woonsocket, R. I.
Flexible Armored Hose Co., Buffalo, N. Y.
Flexible Bolt Co., Thompson av, Pittsburgh, Pa.
Flexible Compound Co., paint & varnish mfrs., 3607 Haverford, Philadelphia, Pa.
Flexible Paint Co., Huntington, Ind.
Flexible Steel Lacing Co., lamp guards, 522 S. Clinton, Chicago, Ill.
Flexitallic Gasket Co., Camden, N. J.
Flexlume Sign Co., 1472 Niagara, Buffalo, N. Y.
Flexner-Taylor Co., Ltd., fireproofing & waterproofing materials, 786 E. B'way, S. Boston, Mass.
Flexo Coupling Co., Montclair, N. J.
Flexo Mfg. Co., airplane radiators, 1312 E. 12th, Los Angeles, Cal.
Flexol Co., waterproofing materials, 31 W. 31st, New York.
Flexotile Floor Co., Rockford, Ill.
Flick, Ira C., architect, Snow Bldg., Syracuse, N. Y.
Flick & Simons, contrs., Nazareth, Pa.
Flickinger Bros., machsts., Hanover, Pa.
Flickinger, J. H., Co., canned goods, San Jose, Cal.
Flickinger, Jno. D., machsts., Hanover, Pa.
Flickinger & Miller, carriages, Fort Scott, Kans.
Flickner, J. O., & Sons, horse collars, Evansville, Ind.
Flickwir & Bush, contractors, 1 Madison av, New York.
Flierl, Christian, Co., Inc., lbr. & sash doors, 1352 Genesee, Buffalo, N. Y.
Fligeltaub, Hy., scrap iron & steel, Evansville, Ind.
Flinn & Breneman, htg. contrs., Lancaster, Pa.
**FLINN & DREFFEIN CO.**, furnaces, gas producers, etc., 431 S. Dearborn, Chicago, Ill. *See adv index at end of book*
Flinn, Raymond W., architect, 8 S. Dearborn, Chicago, Ill.
Flinn, Richard J., steam traps, W. Roxbury Sta., Boston, Mass.
Flinn & Treacy, contractors, 1st Natl. Bk. Bldg., San Fran., Cal.
Flint, A. A., lbr. mfrs., Tyngsboro, Mass.
Flint, A. W., & Co., ladders, New Haven, Conn.
Flint Brick Co., Des Moines, Ia.
Flint & Chester, mill & facty. supplies, 237 Lafayette, New York.
Flint Coal Co., masons' & bldrs.' matls., Flint, Mich.
Flint Elec. & Mfg. Co., snap switches, Denver, Colo.
Flint, Eaton Co., pharmaceuticals, Decatur, Ill.
Flint, F. W., architect, Brandon, Vt.
Flint Fdry. Co., Flint, Mich.
Flint, Geo. C., Co., interior hardwood wk., 20 W. 36th, New York.
Flint Hill Cooperage & Lbr. Co., Flint Hill, Va.
Flint Hollow Canning Co., Seymour, Mo.
Flint Lumber Co., Flint, Mich.
Flint Pattern & Foundry Co., Flint, Mich.
Flint River Brick Co., Albany, Ga.
Flint River Lbr. Co., Bainbridge, Ga.
Flint River Cotton Mills, cotton sheetings, Albany, Ga.
Flint Sandstone Brick Co., Flint, Mich.
Flint Specialty Co., whip sockets, Flint, Mich.
Flint Varnish & Color Wks., Flint, Mich.
Flint & Walling Mfg. Co., mill & factory supplies & agri'l implements, Kendallville, Ind.
Flint, Warren F., Co., makers of steel wires, brushes, 74 India, Boston, Mass.
Flintkote Co., asphalt shingles & prepared roofing mfrs., 88 Pearl, Boston, Mass.
Flippor, H. O., canned goods, Buchanan, Va.
Flocken, Chas., contractor, Elizabeth, N. J.
Flocker, Jno., & Co., mill & facty. supplies, 957 Liberty, Pittsburgh, Pa.
Floete Lbr. Co., Spencer, Iowa.
Floeter, P. C., architect, Bay City, Mich.
Flohr, G., Co., cornices & skylights, Mansfield, Ohio.
Flomaton F'ndry, Flomaton, Ala.
Flood City Mfg. Co., machsts., Johnstown, Pa.
Flood & Conklin Co., enamels, varnishes, etc., 132 Chestnut, Newark, N. J.
Flood, Edw. F., & Co., caskets, etc., 24 Essex, Newark, N. J.
Flood, Geo. S., & Co., masons' & bldrs.' matls., Waterville, Me.
Flood & Hall, Inc., sand, lime, brick, Detroit, Mich.
Flood & Van Wirt Co., contractors, Hudson Falls, N. Y.
Flood, Walter H., chemical engr., 22 Quincy, Chicago, Ill.
Floodberg & McCaffery, contractors, Monadnock Bldg., San Francisco, Cal.
Floor-Shine Mfg. Co., 2744 Olive, St. Louis, Mo.
Flor, Edw., saddletrees, Demorest, Ga.
Flora American Plywood Co., Ltd., plywood box shooks veneers, 165 B'way, New York.
Flora, G. B., & Sons, canned goods, Wirtz, Va.
Flora Saw Mill Co., lbr., Flora, Ind.
Florala Saw Mill Co., Paxton, Fla.
Florance Bros. Mfg. Co., sash, doors & blinds, Paterson, N. J.
Florasynth Laboratories, Inc., 15 Beekman, New York.
Florence, B. D., & Son, flour mills, New Haven, Ky.
Florence Mfg. Co., machsts. & fndrs., Florence, Mass.
Florence Furniture Co., caskets, coffins, Florence, Mass.
Florence Ginning & Milling Co., flour, Florence, S. C.
Florence Iron Co. of Wisc., 25 Broad, New York.
Florence Iron Wks., machsts. & fndrs., 400 Chestnut, Phila., P
Florence Knitting Mills, sweaters, etc., 1849 E. Venango, Philadelphia, Pa.
Florence Mach. Co., polishing machs., Florence, Mass.
Florence Mach. & R. R. Supply Co., Florence, Ala.
Florence Mfg. Co., metal nov. & specialties, Florence, Mass.
Florence Mills, cotton sheeting, Forest City, N. C.
Florence Silver Plate Co., 108 W. Lombard, Baltimore, Md.
Florence Table & Lbr. Co., Memphis, Tenn.
Florence Thread Co., Florence, N. J.
Florence Wagon Co., Florence, Ala.
Florentine Art Plaster Co., 2208 Chestnut, Philadelphia, Pa.
Florentine Brotherhood, brass fndrs., 842 Exchange av, Chicago, Ill.
Florentine Pottery Co., Chillicothe, Ohio.
Florey Bros., pianos, Washington, N. J.
Florey's Brick Wks., East Downington, Pa.
Florida Auto & Gas Engine Co., plbrs. supplies, Tampa, Fla.
Florida Cotton Oil Co., cottonseed meal, Chattanooga, Tenn.
Florida Fertilizer Co., Gainesville, Fla.
Florida Hardware Co., Jacksonville, Fla.
Florida Lime Co., Ocala, Fla.
Florida Mach. Wks., brass castings, Jacksonville, Fla.
Florida Metal Products Co., Jacksonville, Fla.
Florida Mining Co., phosphate rock miners, 61 Broadway, New York.
Florida Phosphate Mining Corp., Bartow, Fla.
Florida Pine Co., lumber, Jacksonville, Fla.
Florida Pitch Pine Lumber Co., Fernandina, Fla.
Florida Spring Bed Mfg. Co., Jacksonville, Fla.
Florida Wood Products Co., Jacksonville, Fla.
Florida Woodenware Co., Palatka, Fla.
Floridin Co., fullers earth, Warren, Pa.
Florin, Philip, advtg. nov., 465 Broome, New York.
Florists' Exchange, trade publication, 448 W. 37th, New Yo
Florsblom, Ed., architect, Witchita, Kan.
Flory, S. Mfg. Co., slate & stone machinery & hoisting engi Bangor, Pa.
Flosson Lunch Wagon Co., Westfield, N. Y.
Fostoria Stave & Barrel Co., cooperage stock, Fostoria, Ohio
Flota Mica Sales Co., lubricants, 214 Moffat, Detroit, Mich.
Floto Bros. Constr. Co., Steubenville, Ohio.
Floto, Julius, architect, Austin, Ill.
Flounders Bros., contrs., Media, Pa.
Flounders, Jas. B., contractor, 1329 Arch, Philadelphia, Pa.
Flounders, Newton, architect, Media, Pa.
Flour City Ornamental Iron Co., 27th & 27th av, Minneapo Minn.
Flour City Trunk Co., 115 2d av, S. E., Minneapolis, Minn.
Flournoy, Addison H., landscape architect, McClean Bl Washington, D C.
Flournoy, David, brick, Evergreen, La.
Flower City F'dry Co., Rochester, N. Y.
Flower City Plant Food Co., Rochester, N. Y.
Flower City Tissue Mills Co., Rochester, N. Y.
Flower, D. B., brush holders, 1217 Spring Garden, Phila., P
Flower, Stephen, Mfg. Co., machst. & fndrs., 107 Parkin Detroit, Mich.
Flower Valve Mfg. Co., fire hydrants, 10 Parkinson, Detr Mich.
Flower, Walter L., Co., oil filters, 307 S. 8th, St. Louis, Mo.
Flowers, E. P., & Co., lumber mfrs., Montgomery, Ala.
Flowers Fndry. Co., Harmony, Pa.
Flowers Welding & Cutting Co., Canton, O.
Floyd Cotton Mills, Rome, Ga.
Floyd-Wells Co., stove mfrs., Royersford, Pa.
Fluck, Hugh W., stone, 7306 Kimbark av, Chicago, Ill.
Fludder, A. J., contractor, Newport, R. I.
Fluegel, Anton, archl. iron, 219 Cook, Brooklyn, N. Y.
Fluhrer Bros., lbr., Mayger, Ore.
Fluke, J. B., & Son, contractors, Altoona, Pa.
Fluor Bros. Const. Co., bldg. contrs., Oshkosh, Wis.
Flurie, E. E., brick, New Cumberland, Pa.
Flury, Geo. B., contractor, 1138 S. 22d, Philadelphia, Pa.
Flushing Canning Co., Flushing, Mich.
Flushvalve Co., flushing valves, 245 Centre, New York.
Fluskey, J. B., tubular boilers, Pier 4, Pratt, Baltimore, Md.
Fly Swatter Mfg. Co., Canton, Ohio.
Flygare & Barnes, machsts. & fndrs., Connell, Wash.
Flynn Bros., brass fndrs., Hoboken, N. J.
Flynn Bros. Brush Mfg. Co., Troy, N. Y.
Flynn & Doyle Co., carriages, Bantam, Conn.
Flynn & Emrich Co., machinery mfrs., 305 N. Holliday, Baltimore, Md.

ynn, John J., Co., contractors, Washington, Salem, Mass.
ynn Lbr. Co., Swiss, W. Va.
lynn, M. W., granite, Westerly, R. I.
lynn, T. J., Metal Wks., Cambridge, Mass.
ynn, W. S., clarifiers, condensers & stills, 76 Hudson, Jersey City, N. J.
ynn, Wm. F., & Son, cornices & skylights, Attleboro, Mass.
lynn, Wm. H., Machy Co., mill & facty. supplies, 404 E. 2d Cincinnati, Ohio.
ynt Building & Construction Co., Palmer, Mass.
ynt, W. N., Granite Co., crushed stone, Monson, Mass.
& N. Lawn Mower Co., Richmond, Ind.
oale, F. A. S., architect, Ochsner Bldg., Sacramento, Cal.
oamite Extinguisher Co., see Foamite Firefoam Co. (successors).
oard-Barstow Ship Chandlery Co., mill & facty. supps., San Francisco, Cal.
ard, S. B., canned goods, Rocks, Md.
& O. Cedar Wks. (Ltd.), 40 Murray, New York.
cht, Geo., Sons, fndry. barrows, machsts., 117-119 Adams, Hoboken, N. J.
cht, L. H., & Son, contractors, Reading, Pa.
cke's, Wm., Sons Co., meat packers, Dayton, Ohio.
co Oil Co., lubrg., Franklin, Pa.
ell Supply Co., canned goods, 331 W. 22d pl, Chicago, Ill.
erst, John, & Sons, fuel oil burners, Bayonne, N. J.
ery & Kastner, contractors, Rochester, N. Y.
garty, Jas. H., traps, heaters, regulators, 126 Liberty, New York.
garty, M. J., machsts., 40 Harrison, Brooklyn, N. Y.
garty, Michael, tubular boilers, 531 W. 33d, New York.
garty, Philip, & Co., sink brushes, 49 Wyona, Brooklyn, N. Y.
gel Constr. Co., Sioux City, Ia.
gerty, Wm. J., heating contr., 26 Peck, Providence, R. I.
gg, Alman H., Co., whol. hdwe., Houltan, Me.
gg, Arthur A., patterns & models, Meriden, Conn.
gg, Ezra D., Co., lbr. mfrs., New Haven, Conn.
gg & Hires Co., canned goods, Salem, N. J.
gg, M. W., boat cushions, mattresses, 202 Front, New York.
gle Bros. Co., contractors, masons' & bldrs.' matls., Winston Salem, N. C.
gle Const. Co., contrs., Reliance Bldg., Kansas City, Mo.
gliasso-Clement Bldg. Co., 197 Bleecker, New York.
del, S., canned goods, Knoxville, Ia.
berth Auto Specialty Co., carbureters, 7914 Lake av, Cleveland, Ohio.
d Easy House Mfg. Co., chairs, swings, etc., McClure, Pa.
ding Mattress Co., New Haven, Conn.
ding Partition Co., see Wilson, J. G., Corp. (successor).
ding Sawing Mach. Co., 161 W. Harrison, Chicago, Ill.
ding Scaffold Bracket Co., 60 W. Lafayette av, Detroit, Mich
ey Bros., bldg. contrs., Gilfillan Blk., St. Paul, Minn.
ey Bros. Co., stone producers, Olean, N. Y.
ey Contracting Co., Wabash & Violet, Pittsburgh, Pa.
ey, D. A., & Co., contractors, Aitkin, Minn.
ey, F. W., brass wire, Dollar Bay, Mich.
ey Fertilizer Co., Foley, Ala.
ey Greenhouse Mfg. Co., bldrs., 3260 W. 31st, Chicago, Ill.
ey, John F., stationers' specialties, Attleboro, Mass.
ey, M., Co., contractors, Evanston, Ill.
ey, T. F., contractor, S. Norwalk, Conn.
ey, W. E., architect, Baker Blk., Springfield, Mo.
ey & Williams Piano Co., 19 W. Jackson blvd, Chicago, Ill.
ey-Williams Supply Co., machsts. & fndrs., 19 W. Jackson blvd, Chicago, Ill.
ey-Young & Peabody, contrs., Merchants' Nat'l bldg., St. Paul, Minn.
ger, Jacob, meat packer, Toledo, Ohio.
k Bros., contractors, Findlay, Ohio.
k, E. L., Co., whol. hdwe., mill & facty. supplies, masons' & bldrs.' matls., Suffolk, Va.
ks, T. John, architect, 452 Market, Paterson, N. J.
ansbee Brothers Co., tin plate & sheet metals, 3rd & Liberty, Pittsburgh, Pa.
ery, O. H., & Co., lbr., Sumter, S. C.
eson, T. E., Fdy. Co., Rockford, Ill.
ett Time Recording Co., 9 W. Broadway, New York.
mer, C. C., & Co., lbr. mfrs., Grand Rapids, Mich.
mer, Clogg & Co., umbrella mfrs., 114 5th av, New York.
rath, W. D., & Co., cornices, Springfield, Ohio.
om, C. G., Mfg. Co., rural mail boxes, South Bend, Ind.
om, H. & D., Arms Co., whol. h'dwe., 314 B'way, New York
om Morris Mining Co., Lehigh, Okla.
om, R. L., heating boilers, 235 Congress, Boston, Mass.
om Snow Guard Co., 4 P. O. sq., Boston, Mass.
om & Stanton, architects, 1328 Walnut, Philadelphia, Pa.
om & Tillman Hardware Co., Helena, Ga.
mer, Peter M., sash, door & blind, St. Cloud, Minn.
s, H. C., elec. contr., Pasadena, Cal.
z, Cyrus, contractor, Swayzee, Ind.
z, D. C., common brick, Dunbar, Pa.
z, Frederick Co., architects, 111 W. Washington, Chicago, Ill.
z, Herbert, architect, Lemcke Annex, Indianapolis, Ind.
z Manufg. & Supply Co., mill & facty. supplies, whol., Hagerstown, Md.
ell-Ahlskog Co., contrs. & engnrs., McCormick Bldg., Chicago, Ill.

Folz, Frank W., & Co., contractors, Dayton & Freeman av, Cincinnati, Ohio.
Foncar, Mary M., patent lthr., Woburn, Mass.
Fond du Lac Church Furniture Co., Fond lu Lac, Wis.
Fonda, F. A., agricultural implements, East Galway, N. Y.
Fonda, W. B. (Est. of), lime mfrs., Saint Albans, Vt.
Fonder, Edw. F., contractor, Land Title Bldg., Philadelphia, Pa.
Fones Bros. Hardware Co., Little Rock, Ark.
Fontaine, B., Hardware Co., Green Bay, Wis.
Fontaine, Walter F., architect, Woonsocket, R. I.
Fontein, M. H., Piano Co., Columbus, Neb.
Foohey, Timothy, Dredging Co., Fort Wayne, Ind.
Fooks Lumber Co., Paducah, Ky.
Foos Gas Engine Co., 800 Monroe, Springfield, Ohio.
Foot, Homer, & Co., mill & facty. supplies & whol. h'dwe., Springfield, Mass.
Foot, M. D., architect, 1432 75th, Brooklyn, N. Y.
Foote & Becker, whol. h'dwe., Scranton, Pa.
Foote Bros. Gear & Machine Co., 213 N. Curtis, Chicago, Ill. *See adv. index at end of book.*
Foote-Burt Co., drilling machines, 4101 St. Clair, Cleveland, O.
Foote, C. H., Lumber Co., Scranton & Girard av, Cleveland, O.
Foote, machsts., Nunda, N. Y.
Foote Concrete Machinery Co., 1324 S. Michigan av, Chicago, Ill.
Foote, D. E., & Co., canned goods, 2023 Aliceanna, Baltimore, Md.
Foote, Headley & Carpenter, architects, Cutler Bldg., Rochester, N. Y.
Foote, J. B., Foundry Co., Fredericktown, Ohio.
Foote & Jones, contrs., Pittsfield, Mass.
Foote Mfg. Co., combination tools, Dayton, Ohio.
Foote Mineral Co. (mineral products mfrs.), 107 N. 19th, Phila., delphia, Pa.
Foote, Pierson & Co., elec'l testing instruments, etc, 160 Duane, New York.
Foote, R. W., architect, 185 Church, New Haven, Conn.
Footes Trunk & Bag Fcty., Atlanta, Ga.
Foran Fndry. & Mfg. Co., Flemington, N. J.
Forbach, Christ, contractor, 204 French, Buffalo, N. Y.
Forbes, A. J., & Son, bank fix., 1530 Filbert, San Francisco, Cal.
Forbes, Benj. P., Co., metal polish, 409 Superior, Cleveland, O.
Forbes Boiler & Iron Wks., Peoria, Ill.
Forbes Brass Co., Rochester, N. Y.
Forbes, Chas. M., chemicals, Crocker Bldg., San Francisco, Cal.
Forbes, Chas. W., architect, 837 Elmwood av, Fort Worth, Tex.
Forbes Co., water sterilizers, 1234 Callowhill, Philadelphia, Pa.
Forbes, D. H., cornices & skylights, Topeka, Kans.
Forbes Dry Plate Co., 26 Forbes, Rochester, N. Y.
Forbes E. M., contractor, Norfolk, Va.
Forbes, John R., machsts. & fndrs., Jersey City, N. J.
Forbes, J. P., coupon books, Coshocton, Ohio.
Forbes Mfg. Co., wholesale hdwe., Hopkinsville, Ky.
Forbes & Myers, electric grinder mfrs., 169 Union, Worcester, Mass. *See adv index at end of book.*
Forbes, Rich'd J. H., concrete constrn., Monadnock Bldg., San Francisco, Cal.
Forbes, Robt. R., ground connection clamps, Mt. Holly, N. J.
Forbes Silver Co., Meriden, Conn.
Forbes Varnish Co., West Park, Ohio.
Forbes, W. H. Co., advtg. nov., Gloversville, N. Y.
Forbes, W. S., & Co., meat packers, Richmond, Va.
Forburger Stone Co., Lincoln, Neb.
Forbush Planing Mill Co., Gowanda, N. Y.
Force, Chas. C., & Son, mill & facty. supplies, Madison, N. J.
Force, W. A., & Co., hand stamp makers' machy., machsts., etc. 535 Pearl, New York.
Forchelmer, Hugo, lumber, Whitney Bldg., New Orleans, La.
Ford, A. H., stone producers, Hulberton, N. Y.
Ford Auger Bit Co., Holyoke, Mass.
Ford, Bacon & Davis Corp., contrs., 115 B'way, New York.
Ford, Boos & Schoof, contractors, Janesville, Wis.
Ford Bros., canned goods, Syracuse, N. Y.
Ford Bros., machsts., 23 Illinois, Buffalo, N. Y.
Ford Bros. & Co., machsts. & fndrs., 1610 S. Front, Phila., Pa.
Ford Bros. Glass Co., 207 Washington av N., Minneapolis, Minn.
Ford, Butler & Oliver, architects, 101 Park av., New York.
Ford Chain Block & Mfg. Co., hoists (chain), 2nd & Diamond, Philadelphia, Pa.
Ford-Clark Co., bolts & exhaust valves, 3125 Perkins av, Cleveland, Ohio.
Ford Collieries Co., bituminous, Ford bldg, Detroit, Mich.
Ford & Co., wheels, Tippecanoe City, Ohio.
Ford, Edw., Plate Glass Co., Rossford, Ohio.
Ford, F. Codman, masons' & bldrs.' matls., front brick, 738 Union, New Orleans, La.
Ford Flour Co., Nashville, Tenn.
Ford Fdry. Co., stoves, Concord, N. H.
Ford Fndry. & Htg. Co., Cuyahoga Falls, Ohio.
Ford, Geo., machst. & fndr., Mystic, Ia.
Ford, G. W., lbr., Louisburg, N. C.
Ford, H. E., lbr., Matlock, Wash.
Ford, H. L., architect, 314 W. Wood, Youngstown, Ohio.
Ford, Hamilton E., architect, Lorain, Ohio.
Ford Hardware Co., Washington C. H., Ohio.
Ford, Henry & Son, machsts. & brass fndrs., Dearborn, Mich.
Ford, J. B., Co., metal cleaners, Wyandotte, Mich.

Ford, J. W., flour mills, Hartford, Ky.
Ford-Johnson Chair Co., 801 S. Wabash av, Chicago, Ill.
Ford & Kendig Co., mill, facty. & plumbers' supplies—jobbers, 312 N. 24th, Philadelphia, Pa.
Ford & Kimball, machsts. & fndrs., Concord, N. H.
Ford Lbr. Co., sash, door & blind mfrs., Princeton, Ind.
Ford Lumber Co., Sioux City, Ia.
Ford, M. I., Co., contractors, Binghamton, N. Y.
Ford Mfg. Co., machsts., Rockford, Ill.
Ford Mfg. Co., pot covers, Newark, N. J.
Ford Mfg. Co., weather strips, Holyoke, Mass.
Ford Meter Box Co., Wabash, Ind.
Ford Motor Co., auto builders & gas engine mfrs., Highland Pk, Detroit, Mich.
Ford Paving Co., Brandeis Theatre Bldg., Omaha, Neb.
Ford Paving Co., Cedar Rapids, Ia.
Ford-Perry Co., silver novelties, 70 Ship, Providence, R. I.
Ford & Phillips Co., contractors, 723 S. 5th av, Chicago, Ill.
Ford Pulley & Hardware Co., Inc., 25 W. 45th, New York.
Ford, R. T., Co., plumbers' supplies, South, Rochester, N. Y.
Ford Roofing Products Co., 1134 N. Third, St. Louis, Mo.
Ford, S. N., & Co., sashes, doors & blinds, Mansfield, Ohio.
Ford, Sherwood D., architect, Lyon Bldg., Seattle, Wash.
Ford, Stephen W., architect, Clarksburg, W. Va.
Ford, Thos. P., Co., machsts., 407 Broome, New York.
Ford, W. B., canned goods, Van Bibber, Md.
Ford, W. F., Surgical Instrument Co., 80 Lafayette, New York.
Ford, William B., machsts. & fndrs., Royal Center, Ind.
Forderer Cornice Works, 269 Potrero av, San Francisco, Cal.
Fordham Cornice Wks., 1004 Tremont av, New York.
Fordham Stone Renovating Co., 417 E. 34th, New York.
Fordland Canning & Packing Co., Fordland, Mo.
Fordney Fassett Co., lbr. mfrs., Franklinton, La.
Fordney, J. F., architect., Schmitz Bldg., Fort Wayne, Ind.
Fordney, J. W., lbr. mfrs., Saginaw, Mich.
Fords Porcelain Works, Perth Amboy, N. J.
Fordyce Lumber Co., Fordyce, Ark.
Fore Elec'l Mfg. Co., stor. battery charging sets, St. Louis, Mo.
Fore River Ship Building Corp., Quincy, Mass.
Foreggor Co., surgical apparatus, 47 W. 42nd, New York.
Foreign Crucibles, Ltd., importers of crucibles, Church & Fulton, New York. *See adv index at end of book.*
Forcign Languages Translation Bureau, 38 S. Dearborn, Chicago, Ill.
Foreman-Blades Lbr. So., Elizabeth City, N. C.
Foreman-Derrickson Veneer Co., Elizabeth City, N. C.
Foreman & Putman, contrs., Marietta, Ohio.
Forest Box & Lbr. Co., 405 E, 4th, New York.
Forest Chemical Co., alcohol, acetate of lime, Sheffield, Pa.
Forest City Bedstead Co., 1197 W. 67th, Cleveland, Ohio.
Forest City Bit & Tool Co., Rockford, Ill.
Forest City Box Co., packing box, 723 Stone's Levee, Cleveland, Ohio.
Forest City Canning Co., Forest City, Ia., and Forest City, Mo.
Forest City Fdry. & Mfg. Co., mail boxes, etc., 2202 Elm av, Cleveland, Ohio.
Forest City Furniture Co., Rockford, Ill.
Forest City Mach. Co., Rockford, Ill.
Forest City Paint & Varnish Co., 3334 Lakeside av, Cleveland, Ohio.
Forest City Provision Co., meat packers, 2773 E. 37th, Cleveland, Ohio.
Forest City Rubber Co., mill & facty. supplies, 1276 Ontario av, Cleveland, Ohio.
Forest City Steel & Iron Co., 110th nr Detroit av, Cleveland, O.
Forest City Woolen Mills Co., lumbermen's socks, Cleveland, O.
Forest Constr. Co., Forest, Ohio.
Forest Grove Fruit Growers' Ass'n, canned goods, Forest Grove, Ore.
Forest Lbr. Co., R. A. Long Bldg., Kansas City, Mo.
Forest Lbr. Co., Fulton Bldg., Pittsburgh, Pa.
Forest Products Co., charcoal, pine oil, rosin, turpentine mfrs., 1212 Whitney, New Orleans, La.
Forest Products Co., lbr., Red Wing, Minn.
Foresters Landscape, Ltd., 71 B'way, New York.
Forg, Peter, Mfg. Co., portables, 50 Park, Somerville, Mass.
Forged Products Co., machsts. & fndrs., Conway Bldg., Chicago, Ill.
Forged Steel Wheel Co., Pittsburgh, Pa.
Forgeson, J., & Son, architects, Findlay, Ohio.
Forhan, H. L., canned goods, Portland, Me.
Fork Township Oil Mill, meal, Townville, S. C.
Forked Deer Mfg. Co., flour mills, Trenton, Tenn.
Forked Deer Milling Co., flour, Dyersburg, Tenn.
Forman-Breen Mfg. Co., harness, saddles & strap wk. mfrs., Louisville, Ky.
Forman, Ford & Co., glass, 111 S. 2d, Minneapolis, Minn.
Forman, Geo. A., stucco wk., 654 Gates av, Brooklyn, N. Y.
Forman H. M., lbr., Tionesta, Pa.
Forman & Light, architects, 40 Cedar, New York.
Forman, Thos., Co., maple flooring, 121 Forman, Detroit, Mich.
Formhals & Son, carriages, Ottawa, Ill.
Formica Insulation Co., 3240 Spring Grove av, Cincinnati, Ohio.
Forney Cotton Oil & Ginning Co., meal, Forney, Tex.
Forney, J. H., boxes, Burlington, Ia.
Fornwald Bros., sash, door & blind, Berlin, Pa.
Forrest, A. Lowther, architect, 11 E. Pleasant, Baltimore, Md.

Forrest, C. S., architect, Concord, N. H.
Forrest, Chas., contr., 46 Mohawk, Buffalo, N. Y.
Forrest City Box Co., Forrest City, Ark.
Forrest, E. W., cornices and skylights, Fairhaven, Mass.
Forrestal, Chas., contractor, 2908 Chestnut, Milwaukee, Wis.
Forrester Bros. Stone Co., 35th & Roanoke blvd, Kansas Cit Mo.
Forrester-Nace Box Co., pckg. box mfrs., 80 Wyoming, Kans City, Mo.
Forrester Plaster Co. ft. E. 49th, Cleveland, Ohio.
Forsberg, Gustave W., machst., 8th & Water, S. W., Was ington, D. C.
Forschler Motor Truck Mfg. Co., New Orleans, La.
Forschner, Chas., & Sons, spring balances, 206 E. 19th, Ne York.
Forschner, R. H., Co., spring balances, 230 3d, New York.
Forster, Frank J., architect, 33 W. 42nd, New York.
Forster, J., cornices, 413 E. 53d, New York.
Forster, John G., patterns, Indianapolis, Ind.
Forster, Jno, M., Co., belting, wood pulleys & mill supplie Rochester, N. Y.
Forster Lbr. Co., 428 E. Water, Milwaukee, Wis.
Forster Mfg. Co., tooth pick mfrs., Dixfield, Me.
Forster Paint & Mfg. Co., Winona, Minn.
Forster-Mueller Lbr. Co., Hiles, Wis.
Forsyth, Chas. N., contractor, 3417 N. 16th, Philadelphia, Pa.
Forsyth, Edward A., architect, 220 Woodworth av, Yonker New York.
Forsyth Electric Co., commutators, Seattle, Wash.
Forsyth Iron Bed Co., Winston-Salem, N. C.
Forsyth Metal Goods Co., hdwe. specialties, East Aurora, N.
Forsyth Roller Mills, Winston-Salem, N. C.
Forsyth, W., & Sons Co., auto engines & ironing boards, Ly Mass.
Forsythe Coal Co., Cambridge, Ohio.
Forsythe, Jas., masons' & bldrs.' matls., Clyde, Ohio.
Forsythe, John R., architect, 232 St. Paul., Baltimore, Md.
Fort Atkinson Canning Co., Fort Atkinson, Wis.
Fort Bragg Growers' Ass'n., canned goods, Fort Bragg, Cal.
Fort Dearborn Fndry. Co., grey iron castings, 23rd & Stewart Chicago, Ill.
Fort Dearborn Mfg. Co., sleeve wire connectors, etc., Sterli Ill.
Fort Dodge Brick & Tile Co., Fort Dodge, Ia.
Fort Dodge Culv. Co., Fort Dodge, Ia.
Fort Dodge Fndry. Co., Fort Dodge, Iowa.
Fort Gaines Fertilizer Co., Fort Gaines, Ga.
Fort Harrison Mining Co., Terre Haute, Ind.
Fort Henry Mining Co., iron ores, Cleveland, Ohio.
Fort Jennings Stone Co., Fort Jennings, Ohio.
Fort Miller Pulp & Paper Co., Fort Miller, N. Y.
Fort, O. M., architect, Camden, S. C.
Fort Orange Const. Co., 61 Columbia, Albany, N. Y.
Fort Orange Paper Co., 200 5th av, New York.
Fort & Parslow, architects, Tampa, Fla.
Fort Pitt Bedding Co., mattresses, Liverpool & Preble, Pi burgh, Pa.
Fort Pitt Bridge Wks., machsts. & fndrs., steel structu House Bldg., Pittsburgh, Pa.
Fort Pitt Chemical Co., liquid soap, 3134 Penn av, Pittsbur Pa.
Fort Pitt Hdwe. Co., 807 Liberty av, Pittsburgh, Pa.
Fort Pitt Malleable Iron Co., castings, machsts. & fnd Thompson & Crawford, Pittsburgh, Pa.
Fort Pitt Oil & Paint Co., 3206 Penn av, Pittsburgh, Pa.
Fort Pitt Spring & Mfg. Co., John, Pittsburgh, Pa., & Hob Bldg., San Francisco, Cal.
Fort Pitt Steel Casting Co., McKeesport, Pa.
Fort Pitt Stone & Brick Co., Carnegie, Pa.
Fort Pitt Supply Co., plumbers' supplies—jobbers, 332 2d Pittsburgh, Pa.
Fort Recover Stirrup Co., stirrups—wooden, Ft. Recovery, O
Fort Recovery Tile Co., Fort Recovery, Ohio.
Fort Scott Hydraulic Cement Co., Ft. Scott, Kans.
Fort Scott Sorghum Syrup Co., canned, Fort Scott, Kans.
Fort Smith Chair Co., Fort Smith, Ark.
Fort Smith Handle Co., Fort Smith, Ark.
Fort Smith Lumber Co., Plainview, Ark.
Fort Smith Rim & Bow Co., Fort Smith, Ark.
Fort Smith Spelter Co., Greencastle, Ind.
Fort Smith Wagon Co., Fort Smith, Ark.
Fort Stanwix Canning Co., Rome, N. Y.
Fort Valley Oil Co., Fort Valley, Ga.
Fort Wayne Box Co., Ft. Wayne, Ind.
Fort Wayne Brick Co., Fort Wayne, Ind.
Fort Wayne Builders' Supply Co., Fort Wayne, Ind.
Fort Wayne Corrugated Paper Co., Ft. Wayne, Ind.
Fort Wayne Electric Works of Gen. Elec. Co., Ft. Wayne, I
Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind.
Fort Wayne Fdry. & Mach. Co., Ft. Wayne, Ind.
Fort Wayne Iron Steel Rolling Mills, W. Taylor, Ft. Wayne, I *See adv. index at end of book.*
Fort Wayne Iron Store Co., Fort Wayne, Ind.
Fort Wayne Lumber Co., Fort Wayne, Ind.
Fort Wayne Oil & Supply Co., Fort Wayne, Ind.
Fort Wayne Rolling Mills Corp., concrete reinforcing mater Ft. Wayne, Ind.

'ort Wayne Roofing & Paving Co., Fort Wayne, Ind.
'ort Wayne Saddlery Co., Ft. Wayne, Ind.
'ort Wayne Smelting & Refining Co., Fort Wayne, Ind.
'ort Worth Feather & Mattress Factory, Fort Worth, Tex.
'ort Worth Packing Co., meat, Fort Worth, Tex.
'ort Worth Well Machy. & Supply Co., Fort Worth, Tex.
'ortado, J. L., Co., stone prod., Springfield, Ill.
'ortenbacher, J., & Son, cornices & skylights, 538 E. Ohio, Pittsburgh, Pa.
'ortenbaugh, Chas., packing box mfrs., 636 W. Pratt, Baltimore, Md.
'orth, W. J., stone producers, Manistee, Mich.
'ortier, Theo., lawn furn., 1971 B'way, B'klyn, N. Y.
'ort-ified Mfg. Co., elec. htg. devices, Gumbel Bldg., Kansas City, Mo.
'ortin-Chambers Co., contrs., Ry. Exch. Bldg., Portland, Ore.
'ortin, Jos. T., architect, 600 Blue Island av., Chicago, Ill.
'ortner, L. B. Co., aniline colors, 235 Dock, Phila., Pa.
'ortner, S. A., canned goods, Smyrna, Del.
'ortson Shingle Co., lumber, Fortson, Wash.
'ortuna Lthr. Co., advtg. nov. & spec., 5909 Park av, Phila., Pa.
'ortuna Mach. Co., 127 Duane, New York.
'ortville Canning Co., Fortville, Ind.
'orve-Pettebone Co., elec. & gas light fixtures, Los Angeles, Cal.
'osburgh Lumber Co., Norfolk, Va.
'osdick Machine Tool Co., Cincinnati, Ohio.
'oshee, J. M., lumber, Cohasset, Ala.
'oskett & Bishop Co., steam fitters, mill & facty. supps., New Haven, Conn.
'oss, Al., fishing bait, 1722 Cumberland rd, Cleveland, Ohio.
'oss Designing & Bldg. Co., contrs., Pasadena, Cal.
'oss, E. B., lbr. mfrs., Bay City, Mich.
'oss Engine Wks., machsts., Kalamazoo, Mich.
'oss, F. W., Co., masons' & bldrs.' matls., Berkeley, Cal.
'oss, Geo. F., Machy. & Supp. Co., 30 Church, New York.
'oss & Janes, contractors, Fitchburg, Mass.
'oss, M. L., mill & facty. supp., Denver, Colo.
'oss & Pevear, architects, 71 Brimmer, Boston, Mass.
'oss, W. J., Co., mill & facty. supplies, Springfield, Mass.
'osseen, A. B., & Co., masons' & bldrs.' matls., North Yakima, Wash.
'ossett, Geo. W., & Son, cornices, 10 N Vogdes, Philadelphia, Pa.
'ossler, E., bldg. contr., Hollywood, Cal.
'ossol, John, & Co., sponges, Tarpon Springs, Fla.
'osston-Carpenter Co., agricultural implements, washing mach., etc., St. Paul, Minn.
'ossum, Geo. F., architect, Aberdeen, S. D.
'oster, A. M., & Co., glass bottles & jars, 6 E. Lake, Chicago, Ill.
'oster, Arthur, architect., 155 N. Clark, Chicago, Ill.
'oster, B. D., Mrs., stone producer, Carter, Ky.
'oster Bolt & Nut Mfg. Co., Union av. & E. 72d, Cleveland, O.
'oster Box Board Co., Utica, N. Y.
'oster Bros., architects, Danbury, Conn.
'oster Bros., mill & facty. supplies, 293 Market, Newark, N. J.
'oster Bros. & Chatillon Co., cutlery mfrs., Fulton, N. Y.
'oster Bros. Mfg. Co., bedstead mfrs., mattresses, 320 N. Holliday, Baltimore, Md.
'oster Bros. Mfg. Co., bedsteads, mattresses, etc., Utica, N. Y.
'oster-Brown Co., machsts. & fndrs., Westbrook, Me.
'oster, C. A., architect, 2810 Newkirk av, Brooklyn, N. Y.
'oster, C. H., Accessories Co., auto. lamps, Chicago, Ill.
'oster, C. M., architect, 112 E. 4th, Cincinnati, Ohio.
'oster Const. Co., Caswell blk., Milwaukee, Wis.
'oster Creek Lbr. & Mfg. Co., Stephenson, Miss.
'oster & Creighton Co., contractors, stone producers, Nashville, Tenn.
'oster, David S., Sons & Co., whol. hdwe., mill & factory supplies, Utica, N. Y.
'oster Engng. Co., belt shifters, regulators, etc., 109 Monroe, Newark, N. J.
'oster, F. B., & Co., corrugated fibre products, 25th & Locust, Phila., Pa.
'oster, Fountain & Co., canned goods, Biloxi, Miss.
'oster Gear Co., machsts., 246 Kaiser, Columbus, Ohio.
'oster, Geo. L., & Son, architects, Mansfield, Mass.
'oster, H. M., Co., railway equipment, Baltimore & Calvert, Baltimore, Md.
'oster, Harry H., soap spouts, Cabot, Vt.
'oster Heating Co., 15 Palmer, Rox, Boston, Mass.
'oster & Hosler, granite, 431 S. Dearborn, Chicago, Ill.
'oster, Jacob R., pegs—shoe, Plymouth, N. H.
'oster, Jas. P., & Co., sash, door & blind mfrs., 115 S. Frederick, Baltimore, Md.
'oster, John W., architect, 22 Worthington, Springfield, Mass.
'oster, L. B., Co., second hand pipe, Park Bldg., Pittsburgh, Pa.
'oster-Latimer Lumber Co., Mellen, Wis.
'oster & Loftus, contrs., Bangor, Me.
'oster, Lothman Mills, sash, door & blind mfrs., Oshkosh, Wis.
'oster, Louis H., Turkish towels, D & Tioga, Philadelphia, Pa.
'oster Lumber Co., Long Bldg., Kansas City, Mo.
'oster Lumber Co., Tacoma, Wash.
'oster, M. A., & Son, machsts. & brass fndrs., Altoona, Pa.
'oster Mach. Co., turret lathes, Elkhart, Ind.
'oster Mach. Co., textile machy., supplies, etc., Westfield, Mass
'oster Mfg. & Supply Co., bolts, nuts, rivets, spikes, boiler tubes, tie rods, wire rope, washers & contrs'. supplies, 20th & Venango, Phila., Pa.

Foster Marine Boiler Corp., 111 B'way, New York.
Foster, Merriam & Co., machsts. & fndrs., Meriden, Conn.
Foster, Morgan, Lumber Co., Henry Bldg., Seattle, Wash.
Foster, Mortimer, architect, 15 W. 38th, New York.
Foster-Munger Co., sash, door & blind mfrs., etc., see Chicago Millwork Supply Co. (successors).
Foster, N. C., Lumber Co., Fairchild, Wis.
Foster Pump Wks., Inc., mfrs. of "Foster" & "Excelsior" pumps & pumping machinery, 36 Bridge, Brooklyn, N. Y.
*See adv. index at end of book.*
Foster, R. S., Lbr. Co., Indianapolis, Ind.
Foster-Richardson Co., bedstead mfrs., Westboro, Mass.
Foster, Robt. W., machsts. & fndrs., New Bedford, Mass.
Foster Rubber Co., 105 Federal, Boston, Mass.
Foster, S. A., Lumber Co., Lincoln, Neb.
Foster Sheet Metal Co., ceilings, cornices, ornaments, etc., Springfield, Ill.
Foster-Songer Co., mill & facty. supplies, Park Bldg., Pittsburgh, Pa.
Foster, Stevens & Co., wholesale hardware, 157 Monroe av, N. W., Grand Rapids, Mich.
Foster Stove Co., Ironton, Ohio.
Foster, Sydney H., architect, Wilkinson bldg, Omaha, Neb.
Foster, Theo. W., & Bro. Co., shears, scissors, silver novelties, 100 Richmond, Providence, R. I.
Foster-Thornburg Hdwe. Co., Huntington, W. Va.
Foster, Tobias, machinist, Spencerville, Ohio.
Foster, W. R., contr., Boston, Ga.
Foster, Walter H., Co., milling machines, 50 Church, New York.
Foster, Wm., architect, Butler, Pa.
Foster, Wm. G., architect, Streator, Ill.
Foster & Williams Mfg. Co., agricultural implements, machsts. & fndrs., Racine, Wis.
Fostoria Battery Co., Fostoria, Ohio.
Fostoria Glass Co., 60 Pearl, Buffalo, N. Y.
Fostoria Glass Co., lamp chimney, Moundsville, W. Va.
Fostoria Incandescent Lamp Div. of G. E. Co., Fostoria, Ohio.
Fostoria Mach. & Tool Co., Fostoria, Ohio.
Fostoria Pressed Steel Co., sheet metal stampings, Fostoria, Ohio.
Fostoria Provision Co., meat packers, Fostoria, Ohio.
Fostoria Screw Co., Fostoria, Ohio.
Fothergill, Thos. W., cornices & skylights, Houston, Tex.
Fotheringham, John, contractor, 3367 Fkd. av, Philadelphia, Pa.
Foucart, J. E., machsts., Williamsport, Pa.
Fougera, E., & Co., filter paper, 90 Beekman, New York.
Foughner Concrete Ship Bldg. Co., 50 Pine, New York.
Fougner Concrete Steel Co., concrete steel materials, 29 B'way, New York.
Fougner, Ernest H., architect, 800 Broad, Newark, N. J.
Fouke, Geo. W., Lbr. Co., Louin, Miss.
Foulds, I., & Son, belting, Hudson, Mass.
Foulds, Wm., Co., paper & pulp mill, Manchester, Conn.
Foulk, Frank H., architect, New Castle, Pa.
Foulk, Walter L., contractor, Vineland, N. J.
Foulkes Contracting Co., Terre Haute, Ind.
Foulkes, Edw. T., architect, Crocker Bldg., San Francisco, Cal.
Foulkes & Hogue, architects, Commercial Club Bldg., Portland, Ore.
Foulks, Wm., machsts., fndrs., Moorhead, Minn.
Foundation Co., Chlorine electrolytic plants, 233 B'way, New York.
Foundries Co., Orrville, Ohio.
Foundry, trade publications, E. 12th & Chester, Cleveland, Ohio
Foundry Equipment Co., Buffalo, N. Y.
Foundry Equipment Co., 1833 Columbus rd, Cleveland, Ohio.
Foundry & Mach. Products Co., 71 Fordyce, Detroit, Mich.
Foundry Manganese Co., ferro alloys, etc., Harrison Bldg., Philadelphia, Pa.
Foundry Specialty Co., fdry. flux, Cincinnati, Ohio.
Fountain-Campbell Lbr. Co., Ladysmith, Wis.
Fountain & Choate, contractors, 113 E. 23d, New York.
Fountain Faucet Co., 61st av. W. & Polk, Duluth, Minn.
Fountain Inn Oil Mill Co., see Woodside Cotton Mills Co. (successors).
Fountain, J., Lbr. Co., Appleton, Wis.
Fountain, Jno., Jr., cable joints, 510 Broome, New York.
Fountain Spec. Co., Grand Haven, Mich.
Four Drive Tractor Co., Big Rapids, Mich.
Four States Lbr. Co., Texarkana, Ark.
Four Wheel Drive Auto Co., Clintonville, Wis.
Four Wheel Drive Motor Truck Co., Webberville, Mich.
Fourche River Lbr. Co., 5 N. La Salle, Chicago, Ill.
Fourman Bros., lumber mfg., Arcanum, Ohio.
Fournier, Auguste, archit., 4 Ashburnham, W. Fitchburg, Mass.
Fouts, C. C. Co., silos & tanks, 650 Woodlawn av, Middletown, O.
Fouts & Hunter Carriage Mfg. Co., Terre Haute, Ind.
Fow Mfg. Co., furnace pipe, 123 N. 2nd, Philadelphia, Pa.
Fowble, Chas. A., contractor, Germ. Life Bldg., St. Paul, Minn.
Fowden Gasoline & Electric Rock Drill Co., 4th & Walnut, Philadelphia, Pa.
Fowden, Wm. T., blow-off valves, Chester, Pa.
Fowell, Wm., & Son, contractors, Nashua, N. H.
Fowle, John L., belt knives, Reading, Mass.
Fowler Airplane Corpn., 128 12th, San Francisco, Cal.
Fowler Bottling Mach. Co., 124 White, New York.

Fowler Bros., Co., fertilizer, Covington, Ga.
Fowler Canning & Mfg. Co., Fowler, Colo.
Fowler & Capelle, architects, Amer. Trust & Savings Bank Bldg., Evansville, Ind.
Fowler, Chas. S., lbr., Grass Valley, Cal.
Fowler, Clarence, architect, 15 E. 40th, New York.
Fowler & Co., curtain rods, Worcester, Mass.
Fowler, D., Jr., & Co., brick, Haverstraw, N. Y.
Fowler, E. S., ophthalmoscopes, 31 State, Chicago, Ill.
Fowler, Everett, brick, Haverstraw, N. Y.
Fowler, F. S., mill & facty. supplies, Amesbury, Mass.
Fowler, Frank H., architect, L. C. Smith bldg, Seattle, Wash.
Fowler Fndry. Co., machsts. & brass fndrs., Bradford, Pa.
Fowler, Fred H., architect, 329 Carson av, Rochester, N. Y.
Fowler, G. W., & Co., commutator compounds, North Tonawanda, N. Y.
Fowler, Geo. W., Co., machsts. & fndrs., West Palm Beach, Fla
Fowler, J. L., Co., billiard tables, 1812 W. Lake, Chicago, Ill.
Fowler, J. M., lbr., Benson, Vt.
Fowler, J. P., Mfg. Co., machsts. & fndrs., Salt Lake City, Utah.
Fowler, J. Sumner, architect, 15 Exchange, Boston, Mass.
Fowler, L. A., & Sons, contrs., 1409 Walnut, Kansas City, Mo.
Fowler Lamp & Mfg. Co., 59 E. 24th, Chicago, Ill.
Fowler, Lawrence H., architect, 347 N. Charles, Baltimore, Md.
Fowler & McVitie, masons' & bldrs.' matls., Galveston, Tex.
Fowler-Manson-Sherman Cycle Mfg. Co., 1447 Austin av, Chicago, Ill.
Fowler Nail Co., Seymour, Conn.
Fowler Net & Twine Co., fish nets, 107 S. 2d, Philadelphia, Pa.
Fowler-Norwood-Greene Co., packing boxes, Keene, N. H.
Fowler, O. L., contractor, New London, Conn.
Fowler Packing Co., meat packers, Kansas City, Kans.
Fowler & Pay, masons' & bldrs.' matls., Mankato, Minn.
Fowler & Sellars Co., cornices, White Plains, N. Y.
Fowler, W. J., lumber, Bowdon, Ga.
Fowler & Wolfe Mfg. Co., hot water radiators, mchsts. & fndrs., Bourse, Philadelphia, Pa.
Fowles, Harry I., & Son, contrs., 188 Poplar, New Haven, Conn.
Fowles, J. H., & Son, contractors, Holyoke, Mass.
Fownes Bros. & Co., gloves, 119 W. 40th, New York.
Fox, A. H., Gun Co., 4700 N. 18th, Philadelphia, Pa.
Fox, Arthur W., stereopticons, 83 Schermerhorn, Brooklyn, N. Y.
Fox, Benj., Inc., contractor, 15 Exchange, Boston, Mass.
Fox, Benj., Sons, machsts. & fndrs., 513 W. 34th, New York.
Fox-Borden Mfg. Co., desk tele. brackets, 103 Station A, Hartford, Conn.
Fox Bros. & Co., mill & facty. supplies, 126 Lafayette, New York.
Fox Bros. Hardware Co., Pine Bluff, Ark.
Fox, C. M., Silica Sound, Ridgway, Pa.
Fox, Chas. E., architect, 721 N. Michigan av, Chicago, Ill.
Fox, Chas. H., arch'l iron, 369 W. 11th, New York.
Fox, Chas. J., heating contr., 1208 Grand av., Milwaukee, Wis.
Fox, Chas. J., soap, 313 S. Philip, Philadelphia, Pa.
Fox, Chas. K., Heel Co., wooden shoe heels, Haverhill, Mass.
Fox Chemical Co., fertilizer mfgs., Louisville, Ky.
Fox, E. S., & Co., brick, stove linings, Reading, Pa.
Fox Electrical Corpn., 119 42nd, New York.
Fox & Engle, mill & facty. supplies, 253 B'way, New York.
Fox Furnace Co., Elyria, Ohio.
Fox & Gale, architects, 3 Park, Boston, Mass.
Fox, Geo. E., Co., plate glass desk pads, stationers' specialties, 35 W. Kinzie, Chicago, Ill.
Fox, Geo. S., ladders, 137 N. 6th., Philadelphia, Pa.
Fox, Gustav, Co., advtg. nov., Cincinnati, Ohio.
Fox, H. K. C., htg. contrs., Frederick, Md.
Fox, H. W., & Co., contractors, 2917 Greenmount av, Baltimore, Md.
Fox, Henry E., Const. Co., 81 E. 125th, New York.
Fox, J. H., & Son, toys, Berea, Ohio.
Fox, J. M., Iron Wks., brass fndrs., Peekskill, N. Y.
Fox, J. W., Excelsior Co., Grand Rapids, Mich.
Fox, Jas., & Sons, contractors, Richmond, Va.
Fox, John A., architect, 126 Tremont, Boston, Mass.
Fox, Jno., & Co., cast iron pipes, 253 B'way, New York.
Fox, Jno. M., & Co., battery coppers, washers, Portland, Me.
Fox, Jno. O., & Co., masons' & bldrs.' matls., Putnam, Conn.
Fox, L. C., masons' & bldrs.' matls., Irwin, Pa.
Fox, L. E., brick, Medina, Ohio.
Fox Lake Canning Co., Fox Lake, Wis.
Fox Lime & Stone Co., Racine, Wis.
Fox, M. Ewing Co., 241 E. 136th, New York.
*See adv under Paint Mfrs., branch offices, end of book.*
Fox Mach. Co., Jackson, Mich.
Fox, Max, scrap iron, New Bedford, Mass.
Fox Paper Co., Lockland, Ohio.
Fox Pioneer Scrap Iron Co., Racine, Wis.
Fox River Boiler & Sheet Iron Wks., machsts. & fndrs., Aurora, Ill.
Fox River Cornice Works, Green Bay, Wis.
Fox River Iron Co., machsts. & fndrs., Aurora, Ill.
Fox River Paper Co., Appleton, Wis.
Fox River Screen Plate Co., Appleton, Wis.
Fox River Valley Knitting Co., lumbermen's socks, Appleton, Wis.
Fox Supply Co., floor surfaces, Brooklyn, Wis.
Fox, T. R., & Son, contractors, Hartford, Conn.
Fox, Thos., granite, Concord, N. H.



Fox Typewriter Co., Grand Rapids, Mich.
Fox, W. H., & Sons, paper & pulp mills, Penn Yan, N. Y.
Fox, Wm., brick, Peoria, Ill.
Fox, Wm., freight elev., 71 Larned, W. Detroit, Mich.
Fox, Wm. B., & Bro., wholesale hdwe., 21 Warren, New Yor
Fox, Z. F., & Son, clamps, gauges, trucks, etc., Freeport, Mic
Fox & Fox, architects, 111 W. Washington, Chicago, Ill.
Foxboro Co., indicating & recording instruments for temperatur pressure, speed, time & combustion, mfrs., Foxboro, Mas
*See adv index at end of book.*
Fox's, Geo., Sons, boilers, 511 W. 34th, New York.
Foy, Edw. A., Co., lightning rods, etc., 815 B'way, Cincinna Ohio.
Foy, Edw. L., & Co., plastic slate roofers, 16 W. Camde Baltimore, Md.
Foy Paint Co., plate glass, 230 E. 5th, Cincinnati, Ohio.
Foy-Proctor Co., contractors, Nashville, Tenn.
Foyer, Chas. A., & Co., typewriter ribbons, 1104 Prospect a Cleveland, Ohio.
Fradley, J. F., & Co., silver nov., 312 E. 23d, New York.
Frahm, L., Co., bldg. contrs., 29th av & Mitchell, Milwaukee, W
Frahn, Harry J., architect, Ind. Life Bldg., Nashville, Tenn.
Frailey, J., & Bro., contractors, 451 Pearl, Buffalo, N. Y.
Fraim, E. T., Lock Co., latch & padlock mfrs., Lancaster, Pa.
Fraine Bros. & Haigley, contrs., 18 Clay, Baltimore, Md.
Fraley's, S. C., Sons, scrap iron & steel, 515 Richmond, Phil delphia, Pa.
Fralick, S. R., & Co., conduit hangers, 15 S. Clinton, Chicago, I
Fralin, J. L., canned goods, Blue Ridge Springs, Va.
Framburg, H. A., & Co., elec. & gas light fixtures, 24 S. Clinto Chicago, Ill.
Framing Foundries, grey iron castings, Framingham, Mass.
Framingham Coal Co., Framingham, Mass.
Framingham Constr. & Supp. Co., Framingham, Mass.
Framingham Lumber Co., Framingham, Mass.
Framingham Screw Wks., schew mach. prod., Framingha Mass.
France Co., stone producers, Toledo & Van Wert, Ohio.
France, David Co., masons' & bldrs.' matls., Tasker St. Wha Philadelphia, Pa.
France Mfg. Co., rectifiers, 10360 Berea rd, Cleveland, Ohio.
France Milling Co., buckwheat flour, Cobleskill, N. Y.
France Packing Co., metallic packing mfrs., Tacony, Phila., P
France, Roy F., architect, 155 N. Clark, Chicago, Ill.
France Slag Co., concrete, slag & crushed stone, 2nd Na Bank, Toledo, Ohio.
France Stone Co., 2nd Nat'l Bank bldg, Toledo, Ohio.
Frances, L. M., mach. & fdr., Reading, Pa.
Francesconi, J. C., & Co., imps., oils, etc., 23 Beaver, N York.
Francesville Clay Product Co., brick, Francesville, Ind.
Franche, C. E., & Co., wood finishing materials, 440 Orlea Chicago, Ill.
Francini, C., marble imptrs., Lexington av & 35th, New York.
Francis Bros & Jellett (Inc.), htg. contrs. & machy. dlrs., Madison av, New York, & Real Estate Trust Bldg., Phi delphia, Pa.
Francis, Chas. E., Co., factory trucks, glue machy., Rushvi Ind.
Francis Chemical Co., 131 Washington, Providence, R. I.
Francis & Co., diamond tools, 50 State, Hartford, Conn.
Francis, Henry M., & Sons, architects, Fitchburg, Mass.
Francis, Frederick L., archit., Fitchburg, Mass.
Francis, Loutrel, & Co., R. R. stationery, 21 Cliff, New York
Francis Machy. Co., St. Louis, Mo.
Francis Mfg. Co., dress hooks, Niagara Falls, N. Y.
Francis & Nygren Fndry. Co., 2542 Fillmore, Chicago, Ill.
Francis, Philip S., trolley pole brackets, 115 N. 6th, Phila., P
Francis Vitric Brick Co., Boynton, Okla.
Francis, W. P., contractor, Atlanta, Ga.
Francis, W. R., & Bros., lumber mfrs., 1422 W. Cary, Richmo Va.
Francisco, Geo. M., contractor, 3639 Stettinius av, Cincinnati,
Franciscus Co., masons' & bldrs.' matls., Lewiston, Pa.
Franciscus Hardware Co., Tyrone, Pa.
Francke Co., flexible couplings, New Brunswick, N. J.
Franco-Am. Chemical Co., 8 Gold, New York.
Franco Am. Chem. Wks., Carlstadt, N. J.
Franco-American Food Co., canned, Franklin, Jersey City, N.
Frand, M. J. & Co., mchsts., Camden, N. J.
Frandsen Construction Co., 64 W. Randolph, Chicago, Ill.
Frandsen, H. J., contractor, 510 Rice, St. Paul, Minn.
Frank, Aug. C., die sinkers, 732 Sansom, Philadelphia, Pa.
Frank, Benjamin, architect, 328 N. Charles, Baltimore, Md.
Frank Chicory Co., Bay City, Mich.
Frank, De Keyser, bathroom fittings, 33 Park pl, New York.
Frank & Gutmann, jewelry cases, 25 W. 8th, New York.
Frank, H. J., Fdry & Mach. Co., Davenport, Ia.
Frank & Hedden Co., machsts, 183 1st, Jersey City, N. J.
Frank, Henry, Jr., mill & facty. supplies, whol. hdwe., 374 H son, New York.
Frank, Howard C., architect, House Bldg., Pittsburgh, Pa.
Frank, J. H., architect, Real Est. Tr. Bldg., Philadelphia, Pa
Frank, Wm. F., architect, Scott bldg., Erie, Pa.
Frank, L., Saddlery Co., San Antonio, Tex.
Frank, L. & S., advtg. spec., St. Louis, Mo.
Frank, L. & Son Co., meat packers, 644 Market, Milwaukee, W

ank, L. & Sons, fertilizer mfrs., Zanesville, O.
ank, M. K., scrap iron & steel, R. R. equip't, Frick Bldg., Pittsburgh, Pa.
ank Mfg. Co., concrete mixers, Des Moines, Ia.
ank, Nathan, & Sons, scrap iron, 1404 Mullikin, Baltimore, Md.
ank Oil Co., lubrg., Titusville, Pa.
ank, P. M., Disinfecting Co., 91 Bleecker, New York.
ank, Peter H. & Son, contractors, Prudential bldg, Buffalo, N. Y.
ank Pure Food Co., canned goods, 288 E. Water, Milwaukee, Wis.
ank, R. E., Steam Boiler Co., 6714 S. Chicago av, Chicago, Ill.
ank, S. M., & Co., smoking pipes, 928 B'way, New York.
ank-Wagner & Mitchell, architects, Permanent Title Bldg., Akron, Ohio.
ank, Walter G., architect, Clarendon Bldg., Utica, N. Y.
ankau, Adolph, & Co., smoking pipes, 175 Front, New York.
ancke, C. D., & Co., mill & facty. supplies, wholesale hdwre., Charleston, S. C.
anke, F., & Co., machsts., Louisville, Ky.
anke, George, Sons Co., Christmas novelties mfrs., 112 S. Eutaw, Baltimore, Md.
anke, H., lumber mfrs., Ft. Wayne, Ind.
anke, H. E., elec. & gas light fixtures, 421 B'way, Milwaukee, Wis.
anke, H., Steel Range Co., Harvard & E. 103rd, Cleveland, O.
ankel, Albert B., architect, East St. Louis, Ill.
ankel Bros. & Co., scrap rubber, Rochester, N. Y.
ankel Connector Co., 177 Hudson, New York.
ankel Display Fixture Co., 177 Hudson, New York.
ankel, Max Co., bottlers' machy., 290 Pearl, New York.
ankenmuth Woolen Mill Co., knitted gloves, Frankenmuth, Mich.
ankford Brick Wks., Torsdle av, Philadelphia, Pa.
ankford Fdry. & Mach. Wks., power presses, Widener Bldg., Philadelphia, Pa.
ankford Gas Fixture Co., 4273 Frankford, Phila., Pa.
ankford Mach. Co., Inc., 4099 Frankford av, Phila., Pa.
ankford Waste Co., waste cotton & wool, Van Dyke & orchard, Philadelphia, Pa.
ankfort Broom Co., Frankfort, Ky.
ankfort Construction Co., Frankfort, Ind.
ankfort & Kirschner, architects, 820 Westchester av, New York.
ankfurth, Wm., Hdwe. Co., 119 W. Water, Milwaukee, Wis.
ankham, Wm., Brass & Bronze Works, Canton, Ohio.
anklin, A. J., masons' & bldrs.' matls., Statesboro, Ga.
anklin, B. A., Stone, Laporte, Ind.
anklin, H. H., Mfg. Co., autos, 302 S. Geddes, Syracuse, N. Y.
anklin Board & Paper Co., Franklin, O.
anklin Brass & Bronze Co., Franklin, Pa.
anklin Brass Co., fndrs., Battle Creek, Mich.
anklin Brass Foundry, 100 Young, Long Island City, N. Y.
anklin Brass Fdry. Co., Reading, Pa.
anklin Brick & Tile Co., 8 E. Long, Columbus, Ohio.
anklin Bros., contractors, Akron, O.
anklin Buggy Co., Barnesville, Ga.
anklin Builders' Supply & Coal Co., 400 W. Broad, Columbus, Ohio.
anklin Button Wks., 1023 Vine, Philadelphia, Pa.
anklin, Chas., contractor, Iowa City, Ia.
anklin Coffin Wks., 1326 Syramore, Cincinnati, Ohio.
anklin Coil Hoop Co., Franklin, Ind.
anklin & Co., architects, Crozer Bldg., Philadelphia, Pa.
anklin Co., gas & steam radiators, Canton, Ohio.
anklin Coal & Coke Co., Royalton, Ill.
anklin Contracting Co., 52 Vanderbilt av, New York, & 1504 W. Sara, Baltimore, Md.
anklin Core Rod & Gagger Co., Franklin, Pa.
anklin Cotton Mill Co., cordage, twine & belting mfrs., etc., Plum & Charles, Cincinnati, Ohio.
anklin Cotton Oil & Fertilizer Co., Franklin, Va.
anklin County Mining Co., coal mine, Benton, Ill.
anklin Crayon Co., Rochester, N. Y.
anklin Die Casting Corp., mfrs. of die cast parts, Magnolia & Gifford, Syracuse, N. Y.
anklin Die & Tool Co., The, tools, dies, gauges & fixtures, Columbus, Ohio.
anklin Engineering & Constr. Co., bulletin, Philadelphia, Pa.
anklin Fndry Co., Franklin, Pa.
anklin Fountain Pen Co., 51 N. 10th, Philadelphia, Pa.
anklin Galvanized Ware Mfg. Co., Franklin, Ind.
anklin, Geo., contractor, Sandwich, Ill.
anklin Guano Co., fertz. mfrs., Liberty, S. C.
anklin Hdwe. Co., mill & facty. supplies, Franklin, Ky.
anklin Hdwe. Co., mill & facty. supplies, 37 Howard, New York.
anklin Incandescent Lamp Works of Westinghouse Lamp Co., Hartford, Conn.
anklin Iron Works, machsts. & fndrs, La Crosse, Wis., & Mt. Vernon, Wash.
anklin Knitting Mills, sweaters, 511 E. 72d, New York.
anklin, L. Murray, Jr., architect, 50 E. 41st, New York.
anklin Lbr. Co., Columbus, Ohio.
anklin Lumber Co., Franklin, Pa.
Franklin Machine Co., Harris-Corless engines, textile & power transmitting machy., ball winders, etc., 1 Park, Providence, R. I. *See adv. index at end of book.*
Franklin Mach. Co., 126 Folsom, San Francisco, Cal.
Franklin Mach. & Steam Boiler Wks., 21 Franklin, Brooklyn, N. Y.
Franklin Mfg. Co., asbestos matls., cements, packing mfrs., etc., Franklin, Pa.
Franklin Mfg. Co., H. H., automobile mfrs., W. Marcellus, Syracuse, N. Y.
Franklin Mfg. Co., wire straightening & cutting machinery mfrs., New Haven, Conn.
Franklin Mills, cotton sheetings, Greenville, S. C.
Franklin Mills Co., flour, Batavia, N. Y.
Franklin Mills Corp., towels, Unionville, Mass.
Franklin Needle Co., Franklin, N. H.
Franklin Oil & Gas Co., Bedford, Ohio.
Franklin Oil Works, Franklin, Pa.
Franklin Paper Co., Holyoke, Mass.
Franklin Park Foundry Co., malleable & gray iron castings, Herrs Island, Pittsburgh, Pa.
Franklin Pipe & Fndry. Co., 2438 S. Paulina, Chicago, Ill.
Franklin Plbg. & Tinning Co., cornices & skylights, Atlanta, Ga.
Franklin Portable Crane & Hoist Co., Franklin, Pa.
Franklin Process Co., dyeing machy., 291 Promenade, Providence, R. I.
Franklin Ry. Supply Co., railway spec. mfrs., 30 Church, New York.
Franklin, Robert L., architect, 64 E. Van Buren, Chicago, Ill.
Franklin Rubber Co., clothing, 134 Federal, Boston, Mass.
Franklin Silica Sand Co., Franklin, Pa.
Franklin Silver Plate Co., Greenfield, Mass.
Franklin Soap Co., 516 Reading rd, Cincinnati, Ohio.
Franklin Specialty Mfg. Co., adjustable light holders, mfrs., 710 Eddy, Providence, R. I.
Franklin Steel Wks., concrete reinfg. materials, Franklin, Pa.
Franklin Steel Wks., toe-calks, Joliet, Ill.
Franklin Stone Co., Nicholson, Pa.
Franklin Sugar Refining Co., 125 S. Orianna, Philadelphia, Pa.
Franklin Tool Wks., logging, 1049 Railroad av S., Seattle, Wash.
Franklin, Ward, architect, 901 Gerke bldg, Cincinnati, Ohio.
Franklinville Canning Co., lock corner boxes, Franklinville, N. Y.
Franklinville Mfg. Co., bags & bagging, Franklinville, N. C.
Frankman Bros. Bridge & Construction Co., Metropolitan Life Bldg., Minneapolis, Minn.
Franks Canning Co., Franks, Mo.
Franks, F. C., contractor, Phelan Bldg., San Francisco, Cal.
Franks, J. W., & Sons, advtg. & nov., Peoria, Ill.
Franke Mfg. Co., elec. fixtures, Rock Island, Ill.
Franks Sani-Cover Supply Co., plating & enameling works, Cambridge, Mass.
Frankton Canning Co., Frankton, Ind.
Fransen, Nels P., & Co., bldg. contrs., Endicott Bldg., St. Paul. Minn.
Franssens, J. M., harness, saddles, etc., Green Bay, Wis.
Frantz, Chas., contractor, 365 Kosciusko, Brooklyn, N. Y.
Frantz, J. J., contractor, New York Blk., Seattle, Wash.
Frantz Mfg. Co., hdwe., door hangers, hinges, hooks, etc., Sterling, Ill.
Frantz, Wm. H., & Son, contractors, Geneva, N. Y.
Franz Bros.Packing Co., meat packers, Springfield, Ill.
Franz Hardware Co., Webb City, Mo.
Franz, Val., contractor, 180 Jessie, San Francisco, Cal.
Franzen, Wm., & Son, glass bottles, Chase & George, Milwaukee, Wis.
Franzheim, E. B., architect, Schmulbach Bldg., Wheeling, W. Va.
Franzke, Arthur, cornices & skylights, Bellingham, Wash.
Franzmeier, Louis, clover bunchers, grain lifter guards, Timothy, Wis.
Fraprie-Douglas Co., tex. machy., supplies (paper cop tubes), Fall River, Mass.
Frary Mfg. Co., mfrs. burned goods, & variety burning lathes, Charlemont, Mass.
Frary Spool Co., Berlin, N. Y.
Fraser, A. L., cornices, Salem, Oregon.
Fraser & Berau, contractors, 1761 Fulton, Brooklyn, N. Y.
Fraser-Brace & Co., contractors, 1328 Broadway, New York.
Fraser Brick Co., masons matls., tile, etc., Dallas, Tex.
Fraser Co., engines & milling machs., 667 E. Water, Milwaukee, Wis.
Fraser, E. L., machsts. tools, etc., 141 N. 3rd, Phila., Pa.
Fraser Granite Co., Mansfield, Ohio.
Fraser, H. A. & D. M., contractors, Ardmore, Pa.
Fraser, J. C., & Sons Co., contractors, 5 Providence, Boston, Mass.
Fraser Lubricator Co., 2412 S. 7th, St. Louis, Mo.
Fraser Lbr. Co., Fraser, Idaho.
Fraser Mfg. Co., machsts., 573 Henderson, Jersey City, N. J.
Fraser, Robt. M., granite, Montpelier, Vt.
Fraser & Ross, contractors, 64 Dexter, Providence, R. I.
Frasier & Frasier, contractors, 180 Jessie, San Francisco, Cal.
Frasse, Peter A., & Co., Inc., machinists' tools & supplies, 417 Canal, New York.
Frauenfelder, J. J., architect, 610 S. B'way, Los Angeles, Cal.
Frauneder, Cornelius, iron & wire, Oakland, Cal.
Frautz, Wm. H., & Son, bldg. contrs., Geneva, N. Y.
Fray, John S., Co., brace bits, tool sets, etc., Bridgeport, Conn.
Frazee, H. E., flour, Pelican Rapids, Minn.

Frazee, Jas., Milling Co., flour, Baldwinsville, N. Y.
Frazer Bros. Co., machsts., Adams, N. Y.
Frazer, G. M., mach. & fdr., Eugene, Ore.
Frazer & Jones Co., saddlery hardware & malleable iron castings, Syracuse, N. Y.
Frazer Lubricator Co., 3921 Normal av, Chicago, Ill.
Frazer Paint Co., Hubbard & M. C. R. R., Detroit, Mich.
Frazeur Lime Wks., Bridgeton, N. J.
Frazier, C. E., architect, Candler Bldg., Atlanta, Ga.
Frazier Bros., contrs., Chester, Pa.
Frazier-Evans Constr. Co., Weightman Bldg., Philadelphia, Pa.
Frazier, J. H., marine r'ways & dry docks, Marblehead, Mass.
Frazier Packing Co., canned goods, Elwood, Ind.
Frazier, R. H., & Son, contractors, 224 W. Mulberry, Baltimore, Md.
Frazier, W. S., & Co., auto. wood bodies ,Aurora, Ill.
Freas, Francis L., barometers, hydrometers, thermometers, etc., Conshohocken, Pa.
Fredella, Jos., contractor, Glens Falls, N. Y.
Fredenberg, M. D., machinist & founder, Alexandria, Minn.
Fredenburg & Lounsbury, masons' & bldrs.' matls., 381 4th av, New York.
Frederick, Adam, lumber, Woodbury, Pa.
Frederick Brick Co., Kingston, N. Y.
Frederick Brick Wks., Frederick, Md.
Frederick Bros., brick, Allentown, Pa.
Frederick Bros., contractors, 1910 Beaver av, Pittsburgh, Pa.
Frederick, Chas., contractor, Chambersburg, Pa.
Frederick City Packing Co., Frederick, Md.
Frederick Disinfectant Co., floor dressings & insecticides, Atlanta, Ga.
Frederick-Elder Co., elec. light fix. mfrs., Bridgeville, Pa.
Frederick Iron & Metal Co., scrap rubber, 235 Harrison, Baltimore, Md.
Frederick Iron & Steel Co., Frederick, Md.
Frederick Machine Works, milling mach., vises, 460 Foster av, Norwalk, Ohio.
Frederick Piano Co., 125 Cypress av, New York.
Frederick, S. Y., & Son, masons' & bldrs.' matls., Hazleton, Pa.
Frederick, W. C., architect, Pensacola, Fla.
Frederick, W. F., Piano Co., 635 Smithfield, Pittsburgh, Pa.
Fredericks, Chas. C., masons' & bldrs.' matls., Wayne av. c. Reading Ry., Gtn., Philadelphia, Pa.
Fredericks, Wm. H., sashes, doors & blinds, Camden, N. J.
Frederickson, A. D. & J. V., bldg. contrs., Madison, Wis.
Frederickson, C. G., bldg. contr., Duluth, Minn.
Frederickson, Christian, architect, Lehi, Utah.
Fredericktown Lumber Co., Fredericktown, Mo.
Fredonia Brick Co., Fredonia, Kans.
Fredonia Canning Co., Fredonia, Wis.
Fredonia Portland Cement Co., Fredonia, Kans.
Fredonia Preserving Co., Fredonia, N. Y.
Fredonia Window Glass Co., Fredonia, Kans.
Free & Mutchler, sash, door & blind, Paw Paw, Mich.
Free Sewing Machine Co., Rockford, Ill.
Freeborn, F. W., Engng. Const. Co., Rialto Bldg., Kansas City, Mo.
Freeburg, A. S., stone prod., Hartford, Conn.
Freed Heater Co., Bourse, Philadelphia, Pa.
Freedlander, Jos. H., architect, 244 5th av, New York.
Freeman, F. W., Co., sheet metal, stamping dies, etc., mfrs., 160 Portland, Boston, Mass.
Freedman, Louis, contractor, Trenton, N. J.
Freedman, Small & Co., plumbers' supplies—jobbers, 623 S. 6th, Philadelphia, Pa.
Freedner & Co., contractors, Wallace, Idaho.
Freedom Casket Co., Freedom, Pa.
Freedom Lbr. Co., Freedom, Me.
Freedom Oil Wks. Co., petrolatum, Freedom, Pa.
Freehof, Mortimer E., architect, 405 Lexington av, New York.
Freela, D., Sons Co., tanks, steel, Sturgis, Mich.
Freeland, B. F., Sons Co., agricultural implements, oil pumps, machsts. & fndrs, Sturgis, Mich.
Freeland & Klyee Engng. Co., archtl., structl. & consult'g., Independence Life Bldg., Nashville, Tenn.
Freeland Mfg. Co., woolen blankets & flannels, Freeland av & Walnut la, Philadelphia, Pa.
Freeland Plumbing & Plumbing Supplies Co., steam fitters' supplies, Freeland, Pa.
Freeland Steel Tank Co., farm boilers, feed cookers, Portage, Wis.
Freeman, A. W., hdwe. mfr., 229 Mulberry, Newark, N. J.
Freeman, Alfred, architect, 29 W. 34th, New York.
Freeman, Anthony, hdwe. mfr., 54 W. Lake, Chicago, Ill.
Freeman & Brooks, contractors, Champaign, Ill.
Freeman, Chas. A., Mfg. Co., window screens, weather strips, 294 Washington, Boston, Mass.
Freeman Coal Mining Co., Herrin, Ill.
Freeman, E. B., lumber mfrs., Norfolk, Va.
Freeman, E. G., & Co., cornices, Binghamton, N. Y.
Freeman, E. H., Elec. Co., machinists, Trenton, N. J.
Freeman Fire Brick Co., New Cumberland, W. Va.
Freeman Fdy. & Mach. Wks., Seymore, Mo.
Freeman, Frank, architect, 132 Nassau, New York.
Freeman, G. C., architect, 1111 N. 11th, Reading, Pa.
Freeman, H. C., & Co., belt conveyors, 141 Milk, Boston, Mass.
Freeman, J. Eugene, architect, Kohl Bldg., San Francisco, Cal.
Freeman, L. D., machst. & fndr., Seymour, Mo.
Freeman, Leon, woven labels, 404 S. Wells, Chicago, Ill.
Freeman, Louis G., Co., machsts., 909 Sycamore, Cincinnati,
Freeman Mach. Co., Lawrence, Mass.
Freeman, Manning & Son, masons' & bldrs.' matls., Metuch N. J.
Freeman Mfg. Co., agr. imp. mfrs., Racine, Wis.
Freeman Mfg. Co., surgical hosiery, 357 Cass, Detroit, Mich.
Freeman Pattern Supply & Mfg. Co., Toledo, Ohio.
Freeman Perfume Co., almond meal, Cincinnati, Ohio.
Freeman, Philip, & Bros., elec. & gas light fixtures, 92 Bowe New York.
Freeman-Smith Lumber Co., Millville, Ark.
Freeman & Wasgatt, granite, Barre, Vt.
Freeport Brass Fdry., Freeport, Ill.
Freeport Clay Products & Mineral Co., brick, Freeport, Pa.
Freeport Fndry Co., Freeport, Ohio.
Freeport Gas Mach Co., Freeport, Ill.
Freeport Motor Co., machsts., Freeport, Ill.
Freeport Shipbldg. Co., wooden ship bldrs., S. Freeport, Ill.
Freeport Sulphur Co., crude sulphur miners, 61 B'way, N York.
Freese Bros., brick, Janesville, Wis.
Freese, E. M. & Co., machsts. & fndrs., Galion, Ohio.
Freese, F. E., sash, door & blind mfr., 3925 Armitage Chicago, Ill.
Frei Emil Art Glass Co., 3934 S. Grand av, St. Louis, Mo.
Frei Pickle Works, canned, Portland, Ore.
Freiberg Lbr. Co., lbr., Dalton & Findlay, Cincinnati, Ohio.
Freidus, B. & Co., machine tools, 453 Atlantic av, Bost Mass.
Freidus, M., machy. dlrs., 210 Centre, New York.
Freijs, Chas. T., architect, Fletcher Sav. & Tr. Bldg., Indi apolis, Ind.
Frein Masonry & Contrg. Co., 3802 Forest Park blvd, Louis, Mo.
Freitag, Weinhardt & Co., mill & facty. & steam fitters' suppli Terre Haute, Ind.
Freling & Steinle, trunks, Omaha, Neb.
Frelinger, J. G., Iron Wks., 115 W. 2d, Cincinnati, Ohio.
Fremont Canning Co., Fremont, Mich.
Fremont Fdry. & Mach. Co., Fremont, Neb.
Fremont Kraut Co., canned goods, Fremont, Ohio.
Fremont Mfg. Co., incubators, refrigerators, etc., Fremont, N
Fremont Mfg. Co., pipe cutters & threaders, Fremont, Mich.
Fremont Milling Co., flour, Fremont, Neb.
Freemont Motor Co., Okla. City, Okla.
Fremont Oil Co., Fremont, N. C.
Fremont Steam Boiler Wks., Fremont, Ohio.
Fremont Stove Co., Fremont, Ohio.
Fremont Tile & Brick Co., Fremont, Ohio.
French, Arthur, common brick, Polo, Ill.
French Battery & Carbon Co., elec. lamp flashlights, Ma son, Wis.
French, Burt L., architect, Marion, Ind.
French Button Wks., 108 N. Franklin, Philadelphia, Pa.
French Cabinet Co., tele. cabinet wk., Metropolitan av Flushing av, Brooklyn, N. Y.
French, Chas. G., landscape architect, 50 Church, New Y
French China Co., Sebring, Ohio.
French Creek Fndry. Co., elec. steel castings, Franklin, Pa.
French Creek Granite Co., St. Peters, Pa.
French, E. W., Co., advtg. spec., 1 Beekman, New York.
French, Edw. V., architect, 143 North av, Plainfield, N. J.
French, F. W., Oxygen Co., Oakland, Cal.
French Fndry Co., Piqua, Ohio.
French, Fred F., Co., architects, 299 Madison av, New Y
French, G. N., & Son, carriages, Bellows Falls, Vt.
French, H. P., Co., Inc., wholesale hardware, 320 B'way, N York.
French, H. Q. & Son, granite, 15 E. 40th, New York.
French & Hecht, machsts. & fndrs., Davenport, Ia.
French, James F., Brookston, Ind.
French, Jesse Piano & Organ Co., St. Louis, Mo.
French, Jesse, & Sons Piano Co., New Castle, Ind.
French, Leigh, Jr., architect, 599 5th av, New York.
French Lubrg. Oil Co., 400 Pearl, New York.
French Mfg. Co., fndrs., Waterbury, Conn.
French, O. P., & Sons Co., cornices, Woonsocket, R. I.
French Oil Mill Machinery Co., Piqua, Ohio.
French Paper Co., Niles, Mich.
French & Pleuthner, architects, 599 5th av, New York
French, R. T., flour mills, Middleville, Mich.
French, Richard, Iron Wks., Worcester, Mass.
French, Samuel H., & Co., paints, masons' & bldrs.' matls cement, York av, 4th & Callowhill, Philadelphia, Pa.
French, W. C., machsts. & brass compositing fndrs., Alpe Mich.
French, W. F., mill & facty. supplies, Milford, N. H.
French, Walter S., contractor, Moorestown, N. J.
French, William S., flour mills, Woodstock, Va.
Frenchmen's Bay Packing Co., South Gouldsboro, Me.
Freney & Jackson, architects, 51 Leavenworth, Waterbu Conn.
Frenier, Maxime O., mechanical engineer, 58 Union, Springfi Mass.
Frenier & Son, machsts., Rutland, Vt.

rk, Henry, Sons, masons' & bldrs.' matls., 3135 Belmont av, Chicago, Ill.
scoat Co., cold water paints, Grand Rapids, Mich.
shley, N. S., machsts. & brass fndrs., Lebanon, Pa.
shour, Hy. C., paper clips, float valves, etc., Bridgeport, Conn.
sno Agricultural Wks., Fresno, Cal.
sno Brick & Tile Co., Fresno, Cal.
sno Flume & Lumber Co., Clovis, Cal.
sno Lumber Co., Fresno, Cal.
sno Soap Co., Fresno, Cal.
twell, John, architect, Adrian, Mich.
twell & Winburn, architects, Idaho Falls, Idaho.
tz, A. L., & Son, contractors, Chancellor Bldg., Phila., Pa.
tz, Gross & Co., steel umbrella parts, 22d & Sedgley av, Philadelphia, Pa.
tz, S. S., Jr., pipe nipples, 23d & Sedgley av, Phila., Pa.
und Constr. Co., Bulletin Bldg., Philadelphia, Pa.
und, Ernst, meat packer, 1215 W. Liberty, Cincinnati, Ohio.
und, Frank, contractor, Galveston, Tex.
und, H. H., malt mills, 7 W. 45th, New York.
und, John, architect, 1307 St. Paul, Baltimore, Md.
und Packing & Mfg. Co., meat, St. Joseph, Mo.
vert Machinery Co. See Peter A. Frasse & Co., Inc. (successor).
y, F. E., contr., Sacramento, Cal.
y, Joseph, masons' & bldrs.' matls., Norwalk, Ohio.
y, Louis, & Co., blue prints & papers., 50 John, New York.
y Planing Mill Co., sash, door & blind mfrs., Louisville, Ky.
y & Thomas, wholesale hdwe., York, Pa.
yberg, C. B., Lbr. Co., Sheboygan, Wis.
yberg, Richard H., cornices, 2308 2d av, New York.
yder, F. X., architect & contr., Iowa City, Ia.
ermuth & Maurer, archts., Warner Bldg., South Bend, Ind.
yhof, John D., masons' & bldrs.' matls., Glendale, Ohio.
man's Tool Co., mill & facty. supplies, 309 Prospect, Cleveland, Ohio.
n & Co., gen'l. contrs., Peoples Gas Bldg., Chicago, Ill.
erg-McLennan Co., contractors, Oregonian Bldg., Portland, Ore.
k & Borwick Granite Co., St. Cloud, Minn.
k Co., machinery & agricul. implts., mfrs., Waynesboro, Pa.
k Grate Bar Co., steel stacks, 421 Chestnut, Phila., Pa.
k, H. C., Coke Co., Carnegie Bldg., Pittsburgh, Pa.
k, Howard A., architect, Hermiston, Ore.
k, Julius C., cornices, 3040 Baltimore av, Indianapolis, Ind.
x & Lindsay Co., mill & facty. supplies, Sandusky & Robinson, Pittsburgh, Pa. *See adv index at end of book*
xe, Adolf. See Ritzenthaler, John (successor).
xe, J. E., Co., cords, rope, twine, etc., 247 Market, Phila., Pa.
xer, Fred., elec. signs, 428 11th av, New York.
xer, John, Co., cornices, 10 Ely, Rochester, N. Y.
ionless Metal Co., fndrs. & mchsts., Chattanooga, Tenn.
ay Bros. Canning Co., Coloma, Mich.
ay Harbor Packing Co., Friday Harbor, Wash.
ay Mach. & Supp. Co., elec. light plants, Sigourney, Iowa.
ey, Seymour, lumber mfrs., Phelps, N. Y.
und, A. J., contractor, Moorhead, Minn.
nan Lumber Co., furniture for public bldgs., New Richmond, Ohio.
erg Lbr. Co., Harahan, La.
us, G. S., masons' & bldrs.' matls., Norfolk, Va.
, Chas., artificial eyes, 110 E. 23rd, New York.
, Jos., contractor, 530 E. 71st, New York.
-Ostermann-Meyer Co., auto. gloves, 623 Reed, Milwaukee, Wis.
& Reineman, meat packers, Spring Garden av, Pittsburgh, Pa.
berger-Aaron Mfg. Co., tapes, braids & cords, 18th & Courtland, Philadelphia, Pa.
burg & Son, cornices, 278 Division av, Brooklyn, N. Y.
el, J. F., Paper Box Co., Syracuse, N. Y.
el, W. R., Co., lbr., Memphis, Tenn.
erich, A., & Sons, contractors, Rochester, N. Y.
hoff & Mahaffey, cornices, Johnstown, Pa.
l, Herman, architect, 154 W. Randolph, Chicago, Ill.
land, Louis H., architect, 177 Penn, Brooklyn, N. Y.
lander Box Co., 1300 W. Lake, Chicago, Ill.
lander-Brady Knitting Mills, 501 S. Green, Chicago, Ill.
lander, Jos. B., Co., plate & window glass, 233 Washington Brooklyn, N. Y.
lander, Julius, & Co., carriages, Columbus, Ga.
lander, Paul N., brushes, 337 Broadway, New York.
aender, Oscar O., elec. portables, 40 Murray, New York.
ey-Voshardt Co., sheet metal moldings, ornaments, etc., 33 S. Halsted, Chicago, Ill.
ine, Wm., rye flour, Sipesville, Pa.
und Bros., architects, Moorehead, Minn.
nan, A. J. Co., whol. plbrs. & steam fitters supplies, Passaic, N. J.
nan Blau Farber Co., gloves & mittens, sweaters, caps
ans, Perkins & E. 37th, Cleveland, Ohio.
nan Bros., plate glass, 461 Valcenia, San Francisco, Cal
nan Bros., whol. plbrs. & steam fitters supplies, Passaic, N. J.
nan, Chas., scrap iron, rubber, 5 Beacon, Newark, N. J.
iman, F. J., & Son, contractor, 53 Fox, Buffalo, N. Y.

Friedman, Jos., elec. portables, casseroles, etc., 114 5th av, New York.
Friedman, M. A., iron, 226 Hillside, Newark, N. J.
Friedman, Robertson & Keeler, architects, 203 W. 13th, New York.
Friedman, S. M., Co., cornices, 95 Cedar, Brooklyn, N. Y.
Friedrich, Aloysius, contractor, 3427 East, Pittsburgh, Pa.
Friedrich, E. H., Co., cornices & skylights, Holyoke, Mass.
Friedrichs, Carl, machsts., Hoboken, N. J.
Friend Bros., cornices & skylights, Sioux City, Ia.
Friend, Chas., & Son, harness, saddles, etc., 343 Jackson, St. Paul, Minn.
Friend & Co., masons' & bldrs.' matls., Petersburg, Va.
Friend, Henry P., contractor, Norristown, Pa.
Friend, Jno. H., architect, 148 Alexander av, New York.
Friend, John M., mason & bldrs. matl., Newport, R. I.
Friend Mfg. Co., machsts., Gasport, N. Y.
Friend & Terry Lumber Co., Sacramento, Cal.
Friendsville Roller Mills, flour, Friendsville, Tenn.
Fries, A. G., Plating Co., 200 Terrace, Buffalo, N. Y.
Fries, A., & Sons, brick, Connersville, Ind.
Fries, Anthony J., stencils, soap & box printing dies, 717 Sycamore, Cincinnati, Ohio.
Fries, Beall & Sharp Co., tin plate, 734 10th, N. W., Washington, D. C.
Fries & Bros., ethyl chloride, 92 Reade, New York.
Fries & Co., mchsts. & fndrs., 91 Main, Buffalo, N. Y.
Fries, Geo., Sons, wash boilers, egg beaters, etc., 222 S. Front, Philadelphia, Pa.
Fries, W. E., brick, Milton, Pa.
Friese, G. M., masons' & bldrs.' matls., Rahway, N. J.
Friesleben & Armstrong, Inc., labels, 124 White, New York.
Frietchen, Edward, & Bro., soap, Mansfield, Ohio.
Frindt, O. K. A., paper file & chisel handles, 3932 N. Kedzie av, Chicago, Ill.
Fringer, C. F., canned goods, Lithia, Va.
Frings, Martin, parquet floors, 3639 N. 11th, Philadelphia, Pa.
Frink, I. P., Inc., reflector mfrs., 10th av & 24th, New York.
Frink Pyrometer Co., Lancaster, O.
Frisbee Hardware Co., Connellsville, Pa.
Frisbie Engine & Mach., Co., 33 E. Water, Cincinnati, Ohio.
Frisbie, L. T., Co., fertilizer mfrs., New Haven, Conn.
Frisbie Motor Co., machsts. & fndrs., Middletown, Conn.
Frisch Bros., patterns & models, Wilmington, Del. Del.
Frisch Toilet Mirror Co., 83 Crosby, New York.
Frischkorn, Hunter B., mill & facty. supplies, 801 E. Cary, Richmond, Va.
Fristedt, H. F. Co., contrs., 327 S. La Salle, Chicago, Ill.
Fritch, Alfred R., architect, Trust Bldg., El Paso, Tex.
Fritch, D. D. & N. D., flour mills, Macungie, Pa.
Fritchey, J. U., & Son, contractors, Lancaster, Pa.
Fritchle Elec. Co., storage battery trucks, Denver, Colo.
Frith's Union Slaughter House, meat packers, Dubuque, Iowa.
Fritsch Thermometer Mfg. Co., 210 Canal, New York.
Fritschy, A. J., Corp., arch'l iron, 604 Greenwich, New York.
Fritts, D. H., & Co., carved mouldings, 414 N. Wood, Chicago, Ill.
Fritz, Andrew R., architect, 220 W. 121st, New York.
Fritz Bros., dog collars, Meriden, Conn.
Fritz, C. B. & A. K., bldg. contrs., Madison, Wis.
Fritz, Geo., stone producer, 1213 East, N. S., Pittsburgh, Pa.
Fritz, Geo. E., patterns & models, 4 Howard, New York.
Fritz, Geo. J., Fndry. & Mach. Co., 2018 S. 3d, St. Louis, Mo.
Fritz, Herman, architect, 237 Main av, Passaic, N. J.
Fritz, John T., architect, Linton, Ind.
Fritz Mfg. Co., blue print cars & draughting tables, Grand Rapids, Mich.
Fritz, N., contractor, 62 Maywood, Boston, Mass.
Fritz-Rumer-Cooke-Grant Co., contractors, Inter Term bldg, Columbus, Ohio.
Fritz, W. G., Co., contractors, Essex Bldg., Newark, N. J.
Fritz, W. H., masons' & bldrs.' matls., Berwyn, Pa.
Fritz, Wm. H., & Co., lumber, Crozer Bldg., Philadelphia, Pa.
Fritzsche Bros., oils, 82 Beekman, New York.
Fritzsche & Kleason, glass, 197 E. Genesee, Buffalo, N. Y.
Fritzell, Oscar, brass fdrs., 51 Chestnut, New Haven, Conn.
Fritzinger, Wm. A., masons' & bldrs.' matls., Slatington, Pa.
Frix, J. J., flour mills, Walnut Grove, Ala.
Friz, Clyde N., architect, Lexington bldg., Baltimore, Md.
Frizell Ladder Co., 135 Granite av, Boston, Mass.
Frizlen Cut Glass Co., Mt. Holly, N. J.
Frobes & Smith, contractors, Wellsville, Ohio.
Froehlich, Chas. M., heating contrs., Harrisburg, Pa.
Froelich Bros., plumbers' supplies—jobbers, 142 N. 7th, Philadelphia, Pa.
Froerning Bros. Quarry Co., Milwaukee, Wis.
Frog-Switch & Mfg. Co., railroad supplies mfrs., Carlisle, Pa.
Frohe, Leo. P., glass stainers, 220 B'way, Buffalo, N. Y.
Frohlich Glass Co., sash, doors & blinds, Larned & Shelby, Detroit, Mich.
Frohman & Martin, architects, Pasadena, Cal.
Frohman & Robb, architects, 29 Pemberton sq, Boston, Mass.
Frohling, Nils V., architect, 150 Nassau, New York.
Fromberg & Drennan, contrs., Q. & C. Bldg., New Orleans, La.
Froment & Co., iron & steel, 150 Bank, New York.
Fromm, G. A., radiation calculators, 85 Hawthorn, Brooklyn, N. Y.

Fromm, S., sweaters, cardigans, etc., 93 Underhill av, Brooklyn, N. Y.
Frommann & Jebsen, architects, 64 W. Randolph, Chicago, Ill.
Front Drive Motor Co., 16th & Willow av, Hoboken, N. J.
Front & Morrison, paint mfrs., Portland, Ore.
Frontenac Motor Co., Plainfield, N. J.
Frontier Brass Fdry., Niagara Falls, N. Y.
Frontier Brick Wks., Niagara Falls, N. Y.
Frontier Chuck & Tool Company, Inc., 30 Letchworth, Buffalo, N. Y.
Frontier Contr. Co., Morgan Bldg., Buffalo, N. Y.
Frontier Cut Glass Co., Buffalo, N. Y.
Frontier Engine Wks., machsts., 9 Perry, Buffalo, N. Y.
Frontier Iron Wks., 36 Letchworth, Buffalo, N. Y.
Frontier Meter Wks., Buffalo, N. Y.
Frontier Plumbing & Heating Co., 353 Ellicott, Buffalo, N. Y.
Frontier Stone Co., 1003 Fillmore av, Buffalo, N. Y.
Frontier Water & Steam Sup. Co., Buffalo, N. Y.
Frosch, Berthold, landscape architect, 1200 Chislet, Pitts'bg, Pa.
Frost & Adams Co., architects', engineers' & artists' supplies, 25-29 Arch, Boston, Mass.
Frost, C. L., & Son, forming machs., Grand Rapids, Mich.
Frost, C. S. & C. H., machsts. & brass fndrs., Watkins, N. Y.
Frost & Chamberlain, architects, 390 Main, Worcester, Mass.
Frost, Chas. S., architect, 105 S. La Salle, Chicago, Ill.
Frost, Chas. S., architect, Capital Bk. Bldg., St. Paul, Minn.
Frost & Cundill, Inc., importers, Asiatic products, camphor, 60 Wall, New York.
Frost Engng. Co., farm elec. lighting plants, Evansville, Wis.
Frost, Frederick G., archit., 19 West 44th, New York.
Frost Gear & Forge Co., automobile forgings & gears, Jackson, Mich.
Frost, Geo. T., & Sons, mill & facty. supplies, Paterson, N. J.
Frost, Hy. A., architect, Brattle Bldg., Cambridge, Mass.
Frost Insecticide Co., Arlington, Mass.
Frost-Johnson Lumber Co., Boatsmen Bank Bldg., St. Louis, Mo.
Frost-Johnson Lbr. Co., Nacogdoches, Tex.
Frost, Jos., contractor, Gary, Ind.
Frost Mfg. Co., machsts. & fndrs., Galesburg, Ill.
Frost Mfg. Co., plumbers' brass goods, Kenosha, Wis.
Frost, N. E., Co., heat generators, 175 W. Jackson blvd, Chicago, Ill.
Frost Paint & Oil Co., 1209-11 Tyler, N. E., Minneapolis, Minn.
Frost Ry. Supply Co., friction draft springs, weather strips, Penobscot Bldg., Detroit, Mich.
Frost-Sibley Lumber Co., Lamison, Ala.
Frost Superior Fence Co., E. 131st, Cleveland, Ohio.
Frost & Raymond, architects, 1278 Mass. av, Boston, Mass.
Frost's Veneer Seating Co. (Ltd.), Sheboygan, Wis.
Froud, H. P., & Son, Inc., button mfrs., 271 Douglas, Brooklyn, N. Y.
Fruchey Mfg. Co., machsts., 429 Bagg, Detroit, Mich.
Fruchthendler, L., & Co., bathing suit mfrs., 616 E. 5th, N. Y.
Frudden Lumber Co., Ackley, Ia.
Fruehauf Mfg. Co., thermometers, Bedford av, Brooklyn, N. Y.
Fruehauf Trailer Co., auto. truck trailers, 1371 Gratiot av, Detroit, Mich.
Fruen Cereal Co., Western av, S. W. cor. Thomas av, Minneapolis, Minn.
Fruhling, A. G., machinist, Los Angeles, Cal.
Fruin-Bambrick Const. Co., contrs., 800 S. Spring av, St. Louis, Mo.
Fruin-Colnon Contr. Co., Merchant-Laclede bldg, St. Louis, Mo.
Fruin Drop Forge Co., 347 Root, Chicago, Ill.
Fruit Belt Preserving Co., canned goods, East Williamson, N. Y
Fruit Farm Preserving Co., Cedarville, N. J.
Fruit-Ohl Co., mill & facty. supplies, who. hdwe., Sharon, Pa.
Frush, J. P., & Son, contractors, Warsaw, Ind.
Fry, A. M., contractor, Piqua, Ohio.
Fry Art Co., color mfrs., Great Neck Station, N. Y.
Fry Bros. & Co., soap, 111 E. Canal, Cincinnati, Ohio.
Fry Bros. Mfg. Co., lawn swings, Richmond, Ind.
Fry Constr. Co., Erie, Pa.
Fry, E. Y., lumber, Stockton, Ga.
Fry, Edw. G., machsts., Lebanon, Pa.
Fry, Frank L., architects, 140 S. Dearborn, Chicago, Ill.
Fry, H. C., Glass Co., auto. lamp lenses, Rochester, Pa.
Fry, J. W., cornices, 1021 Pike, Seattle, Wash.
Fry, Jas. W., contractor, Greenfield, Ind.
Fry, John W., flour mills, Melber, Ky.
Fry, L. E., & Co., motor boat, launch & yacht bldrs., Clayton, N. Y.
Frye & Chesterman, architects, Roanoke, Va.
Frye & Co., meat packers, Seattle, Wash.
Frye, J. Marshall, Co., cross arms (wood), Hattiesburg, Miss.
Frye, Phipps Co., wholesale hdwe., 114 Purchase, Boston, Mass.
Fryer, David E., & Co., masons' & bldrs.' matls., Seattle, Wash.
Fryer, R. D., turpentine, Sumatra, Fla.
Frymier & Hanna Co., contractors, 25 W. 45th, New York.
F. & S. Motors Co., 219 Becher, Milwaukee, Wis.
Fuca Shingle Co., Port Angeles, Wash.
Fuchs, Geo. D., contractor, Scranton, Pa.
Fuchs & Lang Mfg. Co., machsts. & fndrs., 119 W. 40th, New York.
Fuchs, Louis, cornices, 76 Vermont, Brooklyn, New York.



Fuchs, Max, Co., sponges, chamois, 244 Pearl, New York.
Fuchs, Wm. L., architect, 193 Ashland av, Buffalo, N. Y.
Fudge, F. E., turpentine, Colquitt, Ga.
Fuehrer, Wm. J., architect, 127 Clifford av, Rochester, N. Y
Fuel Saver Stove Co., mfrs., Alliance, Ohio.
Fuerst Bros. & Co., chemicals, 2 Stone, New York.
Fuerst-Friedman Co., machy. dlrs., 1251 W. 9th, Cleveland
Fuerst Robt., contractor, 2704 Vine, Cincinnati, Ohio.
Fugard, John Reed, archit., 64 E. Van Buren, Chicago, I
Fugere, Geo. H., architect, 67 Main, Chicopee Falls, Mass.
Fuhr, Jno. H., architect & contr., Macomb, Ill.
Fuhrer-Ford Milling Co., flour, Mount Vernon, Ind.
Fubs, Adolph, architect, 302 E. 87th, New York.
Fulcher Brick Co., Nashville, Tenn.
Fuld, Wm., toys, games & nov., 1228 N. Central av, Balto., M
Fuldner Constr. Co., Majestic Bldg., Milwaukee, Wis.
Fulflo Pump Co., lubricating, 128 Opera pl, Cincinnati, C
Fulghum, S. L., & Co., contractors, Pensacola, Fla.
Fulkerson Bros. Handle Co., Puxico, Mo.
Fulkerson, J. C., masons' & bldrs.' matls., Cedar Rapids, Ia
Fullam Constr. Co., 103 Park av, New York.
Fuller, A. W., flour, Fullers, N. C.
Fuller, Andrew D., Co., contractors, 3 Hamilton pl, Bos Mass.
Fuller, Aug. P., Co., varnish mfrs., Portland, Me.
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Fuller Bros., contractors, Frostburg, Md.
Fuller Bros., lumber, Vermontville, Mich.
Fuller Bros., masons' & bldrs.' matls., Charleston, Ill.
Fuller Bros. Co., wrenches, pipe, 139 Greenwich, New Yo
Fuller Buggy Co., wagons, Jackson, Mich.
Fuller Canneries Co., Rockefeller Bldg., Cleveland, Ohio.
Fuller Co., dynamo mfrs., 1565 Russell, Detroit, Mich.
Fuller & Co., masons' & bldrs.' matls., Albany, N. Y.
Fuller & Cooper, machsts., Williamson, N. Y.
Fuller & Delano Co., architects, 44 Front, Worcester, Mass.
Fuller, E. C., Co., machsts., 28 Reade, New York.
Fuller, E. H., canned goods, Stanton, Ky.
Fuller, Elam H., contractor, 416 W. B'way, New York.
Fuller (The) Engineering Co., Allentown Natl. Bank B Allentown, Pa.
Fuller, Foley & Co., granite, W. Quincy, Quincy, Mass.
Fuller, Frank W., mason bldr., Torrington, Conn.
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Fuller & Fuller Co., turmeric, 540 W. Randolph, Chicago
Fuller, G. W., Co., auto. baskets & trunks, Hartford, Conn.
Fuller, Geo. A., Co., contractors, Penobscot Bldg., Detroit, M
Fuller, Geo. A., Co., contractors, 175 5th av, New York.
Fuller, Geo. A., Constr. Co., Dwight Bldg., Kansas City, M
Fuller, Geo. A. Co., ship bldr., Wilmington, N. C.
Fuller, Geo. H., contractor, 80 E. Rand, Chicago, Ill.
Fuller, Geo. H., & Son Co., band saw & gold solder, Pawtu R. I.
Fuller & Goepp, plate glass, 34 Davis, San Francisco, Cal.
Fuller-Goodman Co., lumber, Oshkosh, Wis.
Fuller, H. B., Co., adhesives, 188 W. 3d, St. Paul, Minn.
Fuller & Hiller Hdwe. Co. (wholesale), Muscatine, Ia.
Fuller Iron Wks., founders, 40 Tockwotton, Providence,
Fuller, J. D., bldrs.' matls., Mountville, Ga.
Fuller, J. J., mfgr. & contr. in gen'l. & spec'l. woodwork, field, Mass.
Fuller, J. N., Co., architects, Winfield, Kan.
Fuller & Johnson Mfg. Co., gasoline & kerosene engines, son, Wis.
Fuller-Lehigh Co., dryers, pulverizing machy., castings & mfrs., Fullerton, Pa. *See adv. index at end of book.*
Fuller, Lemuel, lbr., Amherst, N. H.
Fuller, Louis E., inks, 226 W. 75th, New York.
Fuller, M. W., architect, Fort Collins, Colo.
Fuller Mfg. Co., machsts. & fndrs., New Haven, Conn.
Fuller, Otis L., Co., shear mfrs., Goshen, Ind.
Fuller, Ralph L., & Co., Inc., chemicals, 81 Fulton, New Yo
Fuller & Robinson Co., architects, 95 State, Albany, N. Y.
Fuller, Samuel B., architect, Pawtucket, R. I.
Fuller-Saxton Co., paper bag machy., Drexel Bldg., Phila.
Fuller & Sons Mfg. Co., auto clutches & transmissions, mazoo, Mich.
Fuller Steel & Iron Co., brkrs., Park bldg, Pittsburgh, P
Fuller, W. C., Co., mill & facty. supplies, Mansfield, Mass.
Fuller, W. P., & Co., plate glass, varnish, 301 Mission, San cisco, Cal.
Fuller-Warren Co., stove mfrs., 32nd & Wright, Milwaukee, & Troy, N. Y.
Fuller & Warren Co., warm air furnaces, gas ranges, etc. Water, New York.
Fuller, Wm., contractor, 83 Adams, Rochester, N. Y.
Fuller, Wm. A., masons' & bldrs.' matls., sash, door & Clinton, Mass.
Fuller's Elec. Stone Wks., Utica, N. Y.
Fuller's, G., Sons, steam engines, machsts. & fndrs., Hallo Me.
Fullerton, D., & Co., meat packers, Paterson, N. J.
Fullerton Krueger Lumber Co., 915 Lbr. Ex., Minneapolis,
Fullerton Lumber Co., Minneapolis, Minn.
Fullerton-Powell Hardwood Lumber Co., East St. Louis, Ill
Fullgraf, C. W., landscape arch., St. Louis County Bank St. Louis, Mo.

ington, E. M., masons' & bldrs.' matls., Clearfield, Pa.
man, John G., contractor, E. E. Trust Bldg., Pittsburgh, Pa.
wider & Kernodle, contractors, Lebanon, Ind.
ner, Bennett R., contractor, Greensburg, Pa.
ner, C. F., timers, spark, Plainfield, N. J.
ner & Henderson, masons' & bldrs.' matls., Stenton av., Gtn., Philadelphia, Pa.
ner, J. H., roof snow guards, Nazareth, Pa.
er, Edward B., hydrocarbon oils, caustic, soda, etc., Trenton, N. J.
er Pottery Co., water filters & coolers, Flemington, N. J.
on, Allan W., & Co., naval archs., 602 E. Pratt, Balto., Md.
on Asphalt Co., 53 W. Jackson blvd., Chicago, Ill.
on Bag Co., Fulton, N. Y.
on Bag & Cotton Mills, Atlanta, Ga.
on Bell Co., drink mixers, 451 Greenwich, New York.
on Brick & Tile Co., Fulton, Ohio.
on Brick Wks., Richmond, Va.
on Bros., contractors, 19 Warren, Albany, N. Y.
on & Butler, architects, Uniontown, Pa.
on, C. E., ship builders, Wilmington, Cal.
on, C. K., & Co., sash, door & blind, 1428 2d, N., Minneapolis, Minn.
on Co., auto. horns, 742 75th av, Milwaukee, Wis.
on Co., machsts. & fndrs., Knoxville, Tenn.
on-Conway & Co., wholesale hardware, Louisville, Ky.
on Cornice & Skylight Wks., 5 Rivington, New York.
on County Silk Mills, knitted gloves, Gloversville, N. Y.
on Drop Forge Co., Canal Fulton, Ohio.
on Fire Brick Co., Fulton, Mo.
on Foundry Co., 1209 Marquette av, Cleveland, Ohio.
on Fdry. & Mach. Co., 21 Furman, Brooklyn, N. Y.
on, H. K., corn brooms, Wilmington, Del.
on Harwood Brass Fdry. Co., South Bend, Ind.
on Iron Works, anvil, blocks, upsetters, etc., 39 Franklin, Detroit, Mich.
on Iron Works Co., sugar machy., 1259 Delaware av, St. Louis, Mo. *See adv index at end of book*
on Lumber Co., Fulton, Kan.
on Mach. Co., pulleys, vises, etc., Canal Fulton, Ohio.
on Mach. Tool Co., lathes, 1422 W. Randolph, Chicago, Ill.
on Mach. & Vise Co., machsts. & fndrs., Lowville, N. Y.
n Mfg. Co., children's carriages, 130 N. Wells, Chicago, Ill.
on Mfg. Co., machinists, Erie, Pa.
on, Mehring & Hauser Co., whol. hdwe., York, Pa.
n Metal Bed Mfg. Co., Atlanta, Ga.
n Motor Truck Co., Webster av, L. I., N. Y.
on Packing Co., meat, 820 Fulton, Chicago, Ill.
on Pit Car Co., Canal Fulton, Ohio.
n Shipbuilding Co., Wilmington, Cal.
on Shoe Polish Co., 289 Pearl, New York.
on Spec. Co., rubber type, Elizabeth, N. J.
on Stone Co., Fulton, Ohio.
n Supply Co., mill supplies & machy., Atlanta, Ga.
n Supply Co., plumbers' supplies—jobbers, 1600 Fulton. Chicago, Ill.
n & Taylor, architects, Hippodrome Bldg., Cleveland, Ohio.
n Tool Co., drills, etc., 313 6th av, Pittsburgh, Pa.
n Tool Wks., Canal Fulton, Ohio.
n & Walker Co., ambulances, police wagons, 20th & Filbert, Philadelphia, Pa.
der, W. A., Co., lbr. mfrs., Bloomington, Ind.
. Wm. L., architect, 432 Marshall, Elizabeth, N. J.
s, Philip, Corp., machinists, Rochester, N. Y.
a, Henry, contractor, 201 Edison, Syracuse, N. Y.
Bros. Mfg. Co., machinists, Chicago Heights, Ill.
J. M., sash, door & blind mfr., Waynesburg, Pa.
Jos. P., & Co., meat packers, 1024 N. Main, St. Louis, Mo.
& Wilcox, architects, 1148 Old South bldg, Boston, Mass.
, Ferdinand, Sons, paper & pulp mills, Evansville, Ind.
louser, R. J., & Co., ties, poles & posts, Hagerstown, Md.
en Clay Products Co., 55 New Montgomery, San Fran., Cal.
on, Edmund B., Co., architects, Robinson Bldg., Racine, Wis.
Hardware Co., Baton Rouge, La.
n, J. J., flour mills, Milan, Tenn.
y, D. F., archit., Daytona Beach, Fla.
rade Review, 1181 B'way, New York.
r, Stockford & Co., lumber, 89 State, Boston, Mass.
r, Wm. C., architect, 418 Walnut, Philadelphia, Pa.
nan, Louis P., meat packer, 1010 Clinton, Buffalo, N. Y.
ng, Andrew J., scrap iron, Norristown, Pa.
ng, Jas., contractor, Monadnock Bldg., San Francisco, Cal.
ng, Jno. W., & Co., contrs., 46 Benevolent, Providence, R. I.
ng, Thos. N., cement laundry trays, 360-364 Fell, San Francisco, Cal.
w Pressed Brick Co., Los Angeles, Cal.
an Farm Improvement Co. See Furman Fertilizer Wks. (successors).
an-Fisher Corp., machy. mfrs., 32 Church, New York.
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ld, John C., machsts. & fndrs., Rochester, N. H.
m, Edw., brick, Sayreville, N. J.
ss Bros. Co., machsts. pumps, etc., 1613 W. Walnut, Chicago, Ill.
ss, Evans & Co., architects, Franklin Bk. Bldg., Phila., Pa.

Furniture Journal, trade publication, 610 S. Dearborn, Chicago, Ill.
Furniture Mfr. & Artisan, trade publications, Grand Rapids, Mich.
Furniture World, trade publication, 15 W. 38th, New York.
Furr & Kerr, flour mills, Broad Run, Va.
Furrow, Edw., architect, I. O. O. F. Bldg., Springfield, Ill.
Furst, John E. K., architect, 624 Madison av, Chicago, Ill.
Furst, Wm. H., architect, 140 S. Dearborn, Chicago, Ill.
Furst-Kerber Cut Stone Co., 2301 S. La Salle, Chicago, Ill.
Furstenau, Martin C., naval architect, 308 Walnut, Phila., Pa.
Furstenberg Bros., lbr. mfrs., Saginaw, Mich.
Furtman, Aug. J., cornices, 2453 Walnut, Milwaukee, Wis.
Furukawa & Co., Ltd., metal imp., 120 B'way, New York.
Fusco, Donato, contractor, Montclair, N. J.
Fuss, J. C., grain cradles, Kauffman, Pa.
Futgoye-Paterson Co., lbr., Shugualak, Miss.
Futurity Investment Co., lumber, Bellingham, Wash.
Fyans, Fraser & Blackway Co., mill & facty. supplies, Fall River, Mass.
Fyfe, Alex. C., machinist, 652 W. 44th, New York.
Fyr-Fyter Co., fire extinguishers, Dayton, Ohio.
Fyricide Mfg. Co., fire extinguishers, 74 W. 85th, New York.
Fyster, Weiser & Co. (Ltd.), bark mills, York, Pa.
G. A. Ball Bearing Mfg. Co., 3051 W. Lake, Chicago, Ill.
G. G. G. Metal Stamping Co., casters & hame fasteners, Warren, Pa.
Gabbert Lumber Co., Mattoon, Ill.
Gabel Mfg. Co., poppers (corn), Hawkeye, Ia.
Gabel Packing Co., meat, 221 N. Peoria, Chicago, Ill.
Gabell, W. T., masons' & bldrs.' matls. 2308 N. 29th, Phila., Pa.
Gable, Geo. E., architect, 1415 1st av, N., Seattle, Wash.
Gable, H. A., whol. hdwe., Harrisburg, Pa.
Gabler Constr. Co., 402 Hudson, New York.
Gabler, Ernest, & Bro., pianos, 347 Rider av, New York.
Gabriel Mfg. Co., horns, shock absorbers, 1407 E. 40th, Cleveland, Ohio.
Gabriel Reinforcement Co., concrete reinfg. matls., Penobscot Bldg., Detroit, Mich.
Gabriel & Schall. See Uhlich, Paul & Co. (successors).
Gabriel, W. H., Carriage & Wagon Co., 315 Prospect av, N. W., Cleveland, Ohio.
Gaddis, John W., architect, Vincennes, Ind.
Gade Bros. Mfg. Co., engines, Iowa Falls, Ia.
Gade, C. L., drainage excavators, farm gates & tile ditching mchy., Iowa Falls, Ia.
Gadfield, C. L., machinist, Millersburg, Ohio.
Gadsden Contracting Co., Savannah, Ga.
Gadsden Fertilizer & Gin Co., Gadsden, Ala.
Gadsden Foundry Co., Gadsden, Ala.
Gadsden Pipe Co., Gadsden, Ala.
Gaenslen, Fred'k B., architect, Alamo Bk. Bldg., San Antonio, Tex.
Gaertner, Otto, architect, 339 Palmer av, Yonkers, N. Y.
Gaertner, Wm. & Co. laboratory app. & supplies, 5345 Lake Pk. av, Chicago, Ill.
Gaetjens, Chas. F., embossing inks, 626 4th av, Brooklyn, N. Y.
Gaffga, J. S., & Co., gas engines, Greenport, N. Y.
Gaffney, B., & Sons, contractors, Saratoga Springs, N. Y.
Gaffney Constr. Co., 1927 Poplar, Philadelphia, Pa.
Gaffney, J. W., Son, contractors, masons' & bldrs.' matls., 427 E. Main, Waterbury, Conn.
Gaffney Mfg. Co., cotton sheetings, Gaffney, S. C.
Gaffney Wood Products Co., wood alcohol, Bradford, Pa.
Gage, C. A., architect 1624 Harmon pl, Minneapolis, Minn.
Gage, E. E., Mfg. Co., knives, Gardner, Mass.
Gage, Elbridge G., brick, Dover, N. H.
Gage, G. L., Co., masons' & bldrs.' matls., Lawrence, Mass.
Gage & Gemin, architects, 220 E. 6th, Dayton, Ohio.
Gage, John S., netting, 510 B'way, New York.
Gage, L. H., Lbr. Co., 32 Westminster, Providence, R. I.
Gage, Robt. Coal Co., Bay City, Mich.
Gage Roller Mills, flour, Gage, Okla.
Gage, S. Edson, architect, 28 E. 49th, New York.
Gage Structural Steel Co., 3141 S. Hoyne av, Chicago, Ill.
Gage, Thos. G., Co., contractors, 111 W. Monroe, Chicago, Ill.
Gage Tool Co., machsts., Vineland, N. J.
Gage, W. M., lbr. mfrs., 735 W. Green, Louisville, Ky.
Gagen Lbr. & Cedar Co., Gagen, Wis.
Gager Lime & Mfg. Co., Chattanooga, Tenn.
Gaggin & Gaggin, architects, University blk, Syracuse, N. Y.
Gagnier Bros., contrs., Springfield, Mass.
Gagnon & Co., contractors, Billings, Mont.
Gahagan, Walter H., caisson foundations & contr., 147 Remsen, Brooklyn, N. Y.
Gahagan's, J., Sons, sashes, doors & blinds, Hoboken, N. J.
Gahan, Wm. G., architect, 254 Huguenot, New Rochelle, N. Y.
Gaidry, L. R. concrete flooring, Title Guarantee Bldg., New Orleans, La.
Gain, Ed C., contr., E. St. Louis, Ill.
Gainer, F. H., stamping, Plainville, Conn.
Gaines, Joseph K., shoe display firms, 467 C, N. W., Washington, D. C.
Gaines, L. P., flour, Cave, Ga.
Gaines, Thos. P., masons' & bldrs.' matls., Sherburne, N. Y.
Gainesville Brick Co., Gainesville, Tex.
Gainesville Fdry. & Mach. Wks., Gainesville, Fla.

Gainesville Iron Wks., Gainesville, Ga.
Gainesville Planing & Coffin Co., Gainesville, Fla.
Gainesville Roller Mills Co., flour, Gainesville, Ga.
Gair & Binderup, Denver, Colo.
Gair, Robert, Co., packing & corrugated paper & boxes, labels, etc., 50 Washington, Brooklyn, N. Y.
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Gaites, Peace & Co., elec. light fix. mfrs., 204 Willoughby, Brooklyn, N. Y.
Galansky, Thos., scrap iron, Alliance, Ohio.
Galard Co., bath room fix., 327-341 6th av, Newark, N. J.
Galban, Noecker & Co., Inc., mill & facty. supplies, 82 Beaver, New York.
Galber, John, contractor, Seattle, Wash.
Galbert, Thos., brick, West Farmington, Me.
Galbraith, B. G., asphalt paving contrs., Harrisburg, Pa.
Galbraith, Bacon & Co., masons' & bldrs.' matls., Seattle, Wash.
Galbraith, C. C., & Son, mill & facty. supplies, life boats, preservers, clinch rings, 90 West, New York.
Galbraith, John, pckg. box mfrs., 619 Commerce, Phila., Pa.
Galbraith Paving Co., 3732 Old York rd, Philadelphia, Pa.
Galbraith, T. J., architect, Slaughter Bldg., Dallas, Tex.
Galbraith, W. A., cornices & skylights, Opelika, Ala.
Gale, Conrad H., packing box, Tully, Mass.
Gale Elec. Co., contrs., Bridgeport, Conn.
Gale Mfg. Co., agricultural implements, Albion, Mich.
Gale, O. Milton, machsts., Syracuse, N. Y.
Gale, Paul, architect, Greenwood Bldg., Norfolk, Va.
Gale-Sawyer Co., cutter & reamer mfrs., 36 Oliver, Boston, Mass.
Galena Clay Products Co., Galena, Ohio.
Galena Foundry & Machine Co., Galena, Kans.
Galena Iron Works Corp., machsts. & fndrs., Galena, Ill.
Galena Signal Oil Co., Franklin, Pa.
Galesburg Coulter Disc Co., agric. implts., Galesburg, Ill.
Galesburg Machine Works, Galesburg, Ill.
Galesburg Malleable Castings Co., Galesburg, Ill.
Galesburg Sheet Metal Works, ventilators, Galesburg, Ill.
Galesburg Spec. Wks., lawn mower oilers, Galesburg, Ill.
Galesburg Writing Mach. Co., machsts. & fndrs., Galesburg, Ill.
Galet, A., plate and window glass, 121 Mission, San Francisco, Cal.
Galewski, A., & Son, bags, boxes, belts, straps, etc., 453 Broome, New York.
Galewski, David, traveling bags, 181 Mercer, New York.
Galewski, S., traveling bags, 261 Canal, New York.
Galey Hardware Co., Chester, Pa.
Galigher Machinery Co., Salt Lake City, Utah.
Galion Brass & Bronze Fndry. Co., Galion, Ohio.
Galion Dynamic Motor Truck Co., Galion, Ohio.
Galion Handle & Mfg. Co., Galion, Ohio.
Galion Iron Works & Mfg. Co., machsts. & fndrs., Galion, Ohio.
Galion Lumber Co., Galion, Ohio.
Galion Metallic Vault Co., Galion, Ohio.
Gall, Chas. H., granite, 127 N. Dearborn, Chicago, Ill.
Gall Cure Collar Pad Co., Richmond, Ind.
Gall, Jas. E., machsts. & fndrs., Wakarusa, Ind.
Gall, Wm., stone producers, Ableman, Wis.
Gallagher, B., & Son, contractors, 134 B'way, Brooklyn, N. Y.
Gallagher, Bernard, drills, Lynn, Mass.
Gallagher Bros., masons' & bldrs.' matls., Wallingford, Conn.
Gallagher Bldg. Co., contractors, 257 Courtland, Bridgeport, Conn.
Gallagher & Co., contractors, 501 W. 145th, New York.
Gallagher, D. F., & Co., arch. iron, 37 Commercial whf., Boston, Mass.
Gallagher, Dan'l J., Mfg. Co., cotton waste, 513 S. Clinton, Chicago, Ill.
Gallagher, E. J., contractor, Crocker Bldg., San Francisco, Cal.
Gallagher, Frank J., contractor, 490 Park pl., Brooklyn, N. Y.
Gallagher, John, Co., contr. tents, Madison, Wis.
Gallagher Mfg. Co., machsts., Lynn, Mass.
Gallagher, P. J., glass, mirrors, etc., 24 New Chambers, New York.
Gallagher's, Jas., Sons, brass fndrs., 87 Centre, New York.
Gallaher, Louis, Co., masons' & bldrs.' matls., Savannah, Ga.
Gallaher & Speck, freight elevators & heating contrs., 215 W. Congress, Chicago, Il.
Galland-Henning Mfg. Co., hydraulic presses, etc., Railway Exchange Bldg., Milwaukee, Wis.
Gallaway, G. W., lubrg. oils, 322 Pearl, New York.
Gallbraith, C. C., & Son, life boats & preservers, clinch rings, etc., 49 West, New York.
Gallery, John J., contractor, 133 W. Washington, Chicago, Ill.
Galle, W. F., & Co., lbr., 1262 Budd, Cincinnati, Ohio.
Galley Bros., carriages, Mount Pleasant, Pa.
Gallick, Jos., contractor, 469 Concord av, New York.
Gallie Machine Works, 429 Tehama, San Francisco, Cal.
Galligan, Thos., Inc., contractor, 518 E. 23rd, New York.
Galliher, C. F., architect, First Nat'l Bank Bldg., Montgomery, Ala.
Gallin, Jno., & Son, contractors, 6 Gold, New York.
Gallison, F. L., fndr. & castings, Lawrence, Mass.
Gallison, Wm. H., Co., mill & facty. supplies, plumbers' supplies, jobbers, 399 Atlantic av, Boston, Mass.
Gallivan Building Co., Greenville, S. C.
Gallivan, Jerry A., Co., heating contrs., Muncie, Ind.



Gallo Bros., contrs., Netcong, N. J.
Galloup, J. O., mill & facty. supplies, Battle Creek, Mich.
Galloway Coal Co., Memphis, Tenn.
Galloway, Jas., Co., wholesale hdwe., 121 W. Pratt, Balto.,
Galloway, Kennedy Co., plow beams & wagon wheels, Claren Ark.
Galloway, P. W., contractor, Racine, Wis.
Galloway-Pease Co., lbr. mfrs., Saginaw, Mich.
Galloway Terra Cotta Co., fountains, etc., 3216 Walnut, P delphia, Pa.
Galloway & Wagner, carriages, 303 W. 53d, New York.
Galloway, Wm., Co., agricultural implements, Waterloo, Ia
Galloy & Van Etten, stone, 11756 S. Halsted, Chicago, Ill.
Gallum, Wm., cornices, 932 Kinnic av, Milwaukee, Wis.
Gallup Hdwe. Co., mill & facty. supplies, Cortland, N. Y.
Gallup & Lewis, mattresses, Jackson, Mich.
Gallup Ruffling Handle Co., Norwalk, Ohio.
Galpin's, Alfred, Sons, wholesale hdwe., Appleton, Wis.
Galusha Stove Co., 167 Court, Rochester, N. Y.
Galva Heater Co., Galva, Ill.
Galvanized Products Co., hardware mfrs., bolts, etc., Phil burg, N. J.
Galvanizing Corp. of Am., Inc., 252 Eagle, Brooklyn, N. Y.
Galveston Wharf Co., Galveston, Tex.
Galvin, A. J., contractor, Lennox Bldg., Cleveland, Ohio.
Gamage, J. W., & Co., masons' & bldrs.' matls., Norfolk, Va.
Galvin, Jas., contr., 58 W. Washington, Chicago, Ill.
Gamage, J. C., & Co., masons' & bldrs.' matls., Norfolk, Va
Gamble Bros., lumber, Highland Park, Ky.
Gamble & Bryan, contrs., East Liverpool, Ohio.
Gamble Const. Co., 620 Chestnut, St. Louis, Mo.
Gamble, Geo. M., & Co., flour mills, Bellefonte, Pa.
Gamble, Jas., contractor, 15 William, New York.
Gamble, L. M. F., contrs., Mexico, Mo.
Gamble Lumber Co., Brewster, Wash.
Gamble, R. L., architect, Topeka, Kans.
Gamble, Samuel, Co., contractors, Carnegie, Pa.
Gamble & Stockton Co., brick, Jacksonville, Fla.
Gambrill, C. A., Mfg. Co., flour mills, 104 Commerce, B more, Md.
Games Fndry. Co., Ensley, Ala.
Gamewell Co., jigs & fixtures, Newton Upper Falls, Mass.
Gamewell Fire Alarm Tele. Co., elec. bells, fire alarm ir machsts. & fndrs., 70 E. 45th, New York.
Gammeter, W. F., furnaces, Cadiz, Ohio.
Gammill Lbr. Co., Pelahatchee, Miss.
Gammino, Frank A., contrs., 331 B'way, Providence, R. I.
Gamon Meter Co., mchsts. & fndrs., 282 South, Newark, N.
Gamp, Hy. S., contractor, 1935 Clinton av, New York.
Gamwell, C. C., masons' & bldrs.' matls., Pittsfield, Mass.
Ganahl, C., Lumber Co., Los Angeles, Cal.
Ganal Lumber Co., Newstead & Duncan, St. Louis, Mo.
Gander, A., & Sons, constrs., 14 Osborn, Albany, N. Y.
Gancher, Abraham I., adding machs., 148 Duane, New Yor
Gandy (The) Belting Co., belting manfrs., 740 W. Pratt, B more, Md.
Gandy, Wm. H. (Estate of), paper-cotton tissue, Lambert N. J.
Gangelhoff Bros., bedsteads, 909 S. 2d, Minneapolis, Minn.
Gangewere, Wm. H., & Co., contractors, Allentown, Pa.
Gangwer & Co., machsts., La Porte, Ind.
Gannaway, Jno. E., & Co., wholsale hardware, Lynchburg,
Gannett Electrical Co., facty. trucks, 55 Pine, Providence,
Gannon Bros., contractors, West Newton, Mass.
Gano, Moore & Co., pig iron dlrs., Land Title Bldg., Phila.
Gans Bros., umbrella mfrs., 100 S. Hanover, Baltimore, M
Ganschinetz, F., contr., E. St. Louis, Ill.
Ganschow, Wm., Co., gears, 1001 Washington blvd, Chicag
*See adv. index at end of book.*
Gant, E. M., Mfg. Co., Inc., air tire pumps, Ethridge, Ten
Ganter, F. X., & Co., store fixtures, cor. Sharp & Ostend, timore, Md.
Ganther & Kroyer, contrs., Oshkosh, Wis.
Gantner & Mattern Co., sweaters, etc., Grant av & Post, Francisco, Cal.
Gantner, Wm., Co., cornices & skylights, 9 Del Ray, Pittsb Pa.
Gantt Mfg. Co., agricultural implements, Macon, Ga.
Gara-McGinley Co., steel awnings, ceilings, cornices & lights, etc., 23 S. 17th, Philadelphia, Pa.
Garage Constr. Co., Grand & Oliver, Pittsburgh, Pa.
Garber, Jos. S., brick, Pottstown, Pa.
Garber & March Lbr. Co., Dover, Ohio.
Garber Mill & Elevator Co., flour, Garber, Okla.
Garber & Wilbarger Co., machsts., Harrisonburg, Va.
Garber & Woodward, architects, Union Central Bldg., C nati, Ohio.
Garbisch, Herman, contr., Barrington, Ill.
Garbutt, A. G., Lbr. Co., Statenville, Ga.
Garbutt & Weidner, architects, Casper, Wyo.
Gard Pattern Co., Denver, Colo.
Gardam, Wm., & Son, machsts., 114 Park pl., New York.
Garden City Chandelier Co., 552 W. Jackson blvd., Chicag
Garden City Fan Co., blowers, exhaust fans, etc., machs Fndry., 332 S. Michigan, Chicago, Ill.
Garden City Feeder Co., Pella, Ia.

ien City Laboratory, soldering flux, etc., 2455 Archer av, Chicago, Ill.
ien City Plating & Mfg. Co., 1430 S. Talman av, Chicago, Ill.
ien City Pottery Co., San Jose, Cal.
ien City Sand Co., Chamber of Commerce Bldg., Chicago, Ill.
ien City Spring Wks., 2300 Archer, Chicago, Ill.
ien City Tablet Co., pads, Elkhart, Ind.
ien, Edw. G., architect, Phelan Bldg., San Francisco, Cal.
iner, Beardsell & Co., shoe counters, 50 Lincoln, Boston, Mass.
iner, Clarence H., architect, Rensselaer, N. Y.
iner, E. W., mill & facty. supplies, Amsterdam, N. Y.
iner Hdwe. Co., mill & facty. supplies, Gardiner, Me.
iner, Hy., granite producers, Millstone, Conn.
iner Metal Co., 1364 W. Lake, Chicago, Ill.
iner Mill Co., lumber, 16 California, San Francisco, Cal.
iner Paint Co., 258 Broadway, New York.
iner Storage Battery Co., 50 East 51st, Chicago, Ill.
iner, Thos. W., & Sons, wooden shoe lasts, Lynn, Mass.
iner, W. B., Co., masons' & bldrs.' matls., Annapolis, Md.
ner, A. D., flour, Stayton, Ore.
ner, B. M., Co., brass, copper, bronze rods, sheets & tubes, Guardian Bldg., Cleveland, Ohio.
ner Broom Co., Amsterdam, N. Y.
ner Bros., flour mills, Leetown, W. Va.
ner-Bryan Co., machsts. & fndrs., 419 Frankfort, Cleveland, Ohio.
ner Carburetor & Brass Works, Shreveport, La.
ner, Clarence, architect, Penn Mutual Bldg., Phila., Pa.
ner & Co., soap, 222 E. 34th, New York.
ner, David P., & Son, sash, door & blind mfrs., 49 Fleet pl, Brooklyn, N. Y
ner & Doughtie, contractors, Columbus, Ga.
ner, E. C. & G. C., architects, 33 Lyman, Springfield, Mass.
ner, E. J., Axle & Mach. Co., Carlisle, Pa.
ner, Everett M., architect, 198 Holyroad av, Lowell, Mass.
ner General Foundry Co., Gardner, Mass.
ner Governor Co., engines, governors, pumps, air compressors, etc., 23 Williamson, Quincy, Ill.
*See adv index at end of book*
ner Grate Co., gauge glass protectors, 21 Burgess, Boston, Mass.
ner, H. S., architect, Ackerman Bldg., Binghamton, N. Y.
ner Hdwe. Co., mill & facty. supplies, Gardner, Mass.
ner Hardware Co., 304 Henn av, Minneapolis, Minn.
ner-Harvey Paper Co., Middletown, Ohio.
ner, I. E., masons' & bldrs.' matls., Hackensack, N. J.
ner, J. H., architect, Fort Scott, Kans.
ner, Jas. Jr., Co., fire brick, gas retort benches, etc., Bollar, Pa.
ner, Jos., cornices, Indianapolis, Ind.
ner, M. B. & L. B., brick, Hackensack, N. J.
ner Mach. Co., Beloit, Wis.
ner Machine Works, Gardner, Mass.
ner & Meeks Co., masons' & bldrs.' matls., Guttenburg, N. J.
ner Mill Co., sash, door & blind mfrs., 2415 Elston av, Chicago, Ill.
ner, O. C., lumber mfrs., West Burlington, N. Y.
er, Peterman & Co., lumber mfrs., Saginaw, Mich.
ner, R., Electrical Works, forge blowers, 1712 Columbus rd, Cleveland, Ohio.
ner, Robt. W., 43 Cedar, New York.
er, S. J., Fdry. & Machine Co., New Albany, Ind.
er Sash Pulley Co., hdwe. mfrs., 15 N. Jeff., Chicago, Ill.
er-Stedman Co., transformers, 160 N. 5th, Chicago, Ill.
er, T. W., architect, Stahlman Bldg., Nashville, Tenn.
er, William, & Co., naval architects, 1 B'way, New York.
er Wire Co., auto belts, 520 N. Parkside av, Chicago, Ill.
er Wood Co., lumber, 3 West 14th, New York.
son-Greason Lbr. Co., cypress & gum, St. Louis, Mo.
son Mfg. Co., mattresses, San Diego, Cal.
& Co., canned goods, Denton, Md.
ld, Abram, architect, Garfield Bldg., Cleveland, Ohio.
ld Bronze & Iron Works, Garfield, N. J.
ld & Co., constr. & industrial equipment concrete plants, 323 Hearst Bldg., San Francisco, Cal.
ld Fire Clay Co., Robinson, Pa.
ld Mach. Wks., screw machine products, Garfield, N. J.
ld Mfg Co., moulded heat proof insulation, Garfield, N. J.
ld Smelting Co., Salt Lake City, Utah.
'd Engineering Co. See Garford Foundries Co. (successors).
'd Foundries Co., Elyria, Ohio.
'd Mfg. Co. See General Phonograph Mfg. Co. (successors).
'd Motor Truck Co., Lima, Ohio.
Electric Co., Akron, O.
id, F. V., Co., trunks, 42 E. 6th, St. Paul, Minn.
id, M., Co., machsts. & fndrs., Bay City, Mich.
id Mfg. Co., textile machy., supplies, Saco, Me.
id Mfg. Co., chains, rivets, nuts & armored conductors, it National Bank bldg, Pittsburgh, Pa.
id Nut & Rivet Co. See Garland Mfg. Co. (successor).
d, R. J., architect, 340 Main, Worcester, Mass.
k Packing Co., Palmyra, N. Y.
n, A. St. Clair, lbr., 8th, Bel. Diamond, Philadelphia, Pa.
n Bros., arch'l iron, 322 E. 75th, New York.

Garman, Frank E., architect, N 1521 Maple, Spokane, Wash.
Garman, N. H., & Bro., contractors, Reading, Pa.
Garmen, C., & Sons, contractors, New Brighton, Pa.
Garmen & Forkenbrock, cornices & skylights, New Hampton, Ia.
Garmo Co., sash, door & blind mfrs., Keokuk, Iowa.
Garmroth, Geo., brick, Payne, O.
Garner Brick Wks., Haverstraw, N. Y.
Garner Bros., canned goods, Lewisetta, Va.
Garner, J. J., cornices & skylights, Seattle, Wash.
Garner Shingle Co., Everett, Wash.
Garner Ventg. Co., 72 Trinity pl, New York.
Garnet Co., special oil manfrs., Allentown, Pa.
Garnet, Geo. H., Co., soaps and disinfectants, Allentown, Pa.
Garnett Bros., hdwe., Medford, Ore.
Garnich, Emil, & Sons Hardware Co., Ashland, Wis.
Garnier, Emile, masons' & bldrs'. matls., 1601 N. Robertson, New Orleans, La.
Garnier, Joe I., heating contractor, Chattanooga, Tenn.
Garnjost Constr. Co., Yonkers, N. Y.
Garnjost, F. A., contractor, Yonkers, N. Y.
Garns, W. H., architect, Fletcher Sav. & Trust Bldg., Indianapolis, Ind.
Garnsey, Leigh G., contractor, 108 W. 6th, Los Angeles, Cal.
Garon, I., sweaters, etc., Duluth, Minn.
Garot Bros., heating contractors, Green Bay, Wis.
Garot, Edw., contractor, Green Bay, Wis.
Garrabrandt, Wm. E., architect, 7343 Main, East Orange, N. J.
Garrahan Canning Co., Luzerne, Pa.
Garrahan, P. F., cornices, Altoona, Pa.
Garrard Milling Co., flour, Lancaster, Ky.
Garratt-Callahan Co., packing mfrs., boiler compounds & metal polish, 30 Fremont, San Francisco, Cal.
Garratt, W. T., & Co., engines, 299 Fremont, San Francisco, Cal.
Garraty & Co., cornices, 1629 Ransted, Philadelphia, Pa.
Garren & Hines, boilers, Muscatine, Ia.
Garrett Attachment Co., 1328 Broadway, New York.
Garrett Attachment Co., key seating machy., Nashville, Tenn.
Garrett, Bryant, flour, Lena, Miss.
Garrett, C. S., & Son Co., paper & pulp mills, 20 S. Marshall, Philadelphia, Pa.
Garrett, E., paper & pulp mills, Chester, Pa.
Garrett, Edwin T., Co., paper & pulp mills, Lansdowne, Pa.
Garrett-Elliott Hdwe. & Heating Co., Denver, Colo.
Garret Go-Cart & Carriage Co., 1728 Arcade pl, Chicago, Ill.
Garrett, J. G., & Son, architects, Gainesville, Tex.
Garrett, J. T., bldg. contr., Fullerton Bldg., St. Louis, Mo.
Garrett, Jas., & Co., masons' & bldrs.' matls., 1432 S. Penn sq, Philadelphia, Pa.
Garrett, Sylvester S., & Co., confetti & paper blankets, 259 S. 3d, Phila., Pa.
Garrett, T. H., Lumber Co., Chemical Bldg., St. Louis, Mo.
Garrett, Urias E., architect, Danville, Ill.
Garrett, W. D., & Co., mill & facty. supplies, 126 Liberty, New York.
Garrett, Wilbur R., contractor, 1416 F. N. W., Washington, D. C.
Garrett, Wm., wagon spokes, Canandaigua, N. Y.
Garretts, Hy. G., & Son, plate glass, Quincy, Ill.
Garrigue, Wm., & Co., chem. engnrs., in oils, fats, etc., 154 Nassau, New York, & W. 45th & Western av, Chicago, Ill.
Garrigues, Chas. F., Co., chem. brokers, 80 Maiden lane, New York.
Garrison, A., Fdry. Co., hot sawing machs., 901 Bingham, Pittsburgh, Pa.
Garrison Brass & Mach. Wks., 107 W. 13th, New York.
Garrison Bros. Co., tobacco transplanters, Bridgeton, N. J.
Garrison Co., Inc., mfg. engrs. & sheet metal developments, 183 John, Bridgeport, Conn.
Garrison, G. B., contractor, Rochester, N. Y.
Garrison, J. H. (Est. of), masons' & bldrs. matls., Tully, N. Y.
Garrison, J. H., & Son, lbr., Garrison, Tex.
Garrison, John D., contractor, 1435 Chestnut, Phila., Pa.
Garrison Mach. Wks., grinder chucks, Dayton, Ohio.
Garrity, Ralph E., elec. machy. dealers, Wabash bldg, Pittsburgh, Pa.
Garrity, Thos. F., mason bldr., Hartford, Conn.
Garry Iron & Steel Mfg. Co. of N. Y. See Brien Hill Steel Co. (successor).
Garry, Jos., & Son, contractors, 418 E. 25th, New York.
Gartelmann, Herman, & Co., machsts., 246 Canal, New York.
Gartenberg, M. Co., cornices, 426 6th av, Brooklyn, N. Y.
Gartland Fdry. Co., Terre Haute, Ind.
Gartland, P. J., contractor, 74 Spencer, San Francisco, Cal.
Gartland Toledo Fndry. Co., Toledo, Ohio.
Gartman, C. E., mach. & fndr., Denver, Colo.
Gartman, W. D., cornices & skylights, Columbus, Ga.
Gartner, F. B., architect, Prudential Bldg., San Antonio, Tex.
Garton Toy Co., Sheboygan, Wis.
Gartrell, J. Burgess & Co., contractors, 621 S. Pulaski, Baltimore, Md.
Gartside, Benj. W., Jr., architect, Lane Bldg., Davenport, Ia.
Gartside, W. N., fndry. supplies, Richmond, Ind.
Gartside's Iron Rust Soap Co., 4054½ Lancaster, Phila., Pa.
Garver, Wm. L., architect, Neosho, Mo.
Garvey Bros., contractors, 1911 White Plains rd, New York.
Garvey, James, contractor, New Castle, Ind.
Garvin & Co., cornices, Elkhart, Ind.
Garvin Machine Co., machinery mfrs., 147 Varick, New York.

Garvis, Benj. E., patterns & models & genl. woodwk., 113-115 Mechanic, Newark, N. J.
Garwood Gas Lamp & Heater Co., Canton, Ohio.
Garwood Bronze & Iron Wks., bench legs, boxes, pots, etc., Garwood, N. J. *See adv index at end of book*
Gary Construction Co., Gary, Ind.
Gary Fdry. & Mach. Co., East Gary, Ind.
Gary, James S., & Son, cotton duck mfrs., Equitable Bldg., Baltimore, Md.
Gary Motor Truck Co., Gary, Ind.
Gary Sand Lime Brick Co., Hammond, Ind.
Gary Screw & Bolt Co., Gary, Ind.
Gary, Theo. H., Co., chair seats, porch shades, 67 Irving pl, New York.
Garysburg Mfg. Co., Burgaw, N. C.
Gas Age, trade publication, 52 Vanderbilt av, New York.
Gas Appliance Co., The, furnaces, 713 Frankfort av, Cleveland, Ohio.
Gas Consumers' Assn., elec. light fix. mfrs., 467 O'Farrell, San Francisco, Cal.
Gas Engine & Power Co. & Chas. L. Seabury & Co., Morris Heights, New York.
Gas Engng. Co., gas apparatus, etc., Trenton, N. J.
Gas Fraction Fdy. Co., Minneapolis, Minn.
Gas Machinery Co., 1900 Euclid av, Cleveland, Ohio.
Gas Power Engng. Co., 213 North av, Milwaukee, Wis.
Gas Record, trade publication, 20 Jackson blvd, Chicago, Ill.
Gasau-Thompson Co., bedstead mfrs., 10 Ashland pl, Bklyn., N. Y.
Gasco Protector Co., respirators, protectors, etc., 1103 North av, Waukegan, Ill.
Gascoigne & Goddard. See Gascoigne & Linenthal, Inc. (successors).
Gascoigne & Linenthal, Inc., bldg. contrs., 43 Tremont, Boston, Mass.
Gascoyne & Co., chemists, 27 S. Gay, Baltimore, Md.
Gaskell, Wm., & Son, bolt, nut & rivet mfrs., 59 Freeman, Brooklyn, N. Y.
**GASKET SUPPLY CO.**, gaskets, washers & sheet metal stampings, 1927 Ludlow, Philadelphia, Pa.
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Gaskin, Edw., naval architect, Buffalo, N. Y.
Gaskins Fdry. Co., New Bern, N. C.
Gasner, Simon, & Sons Co., Inc., plbrs. supplies, 1872 Pitkin av, Brooklyn, N. Y.
Gasoline Engine Equipment Co., electric light plant, 347 Madison av, New York.
Gasparello Bros., granite, Barre, Vt.
Gass, Anthony, cornices & skylights, La Crosse, Wis.
Gass, John, architect, 600 Hastings, Pittsburgh, Pa.
Gass, John H., sash, door & blind mfr., 601 Sackett, Bklyn., N. Y.
Gasser, Chas., contractor, 814 W. Cary, Richmond, Va.
Gassner, A., & Son, contractors, Utica, N. Y.
Gast, A. A., & Son, brick, Akron, Ind.
Gastine Co., gasoline economizers, Bridgeton, N. J.
Gastmeyer, Chas., architect, 1652 Myrtle av, Brooklyn, N. Y.
Gaston Canning Co., Gaston, Ind.
Gaston, G. G., lumber, Tionesta, Pa.
Gaston Mfg. Co., cotton sheeting, Cherryville, N. C.
Gaston, S. B., lbr., Heflin, Ala.
Gaston, Williams & Wigmore, machy. dlrs., 39 B'way, New York.
Gastonia Cotton Mfg. Co., Gastonia, N. C.
Gaston's, N. B., Sons Co., pitless scales, Beloit, Wis.
Gaswell Co., acetylene gas generator, 68 Summit av, Brooklyn, N. Y.
Gatchett, A., & Son, contractors, New Philadelphia, Ohio.
Gate City Coffin Co., Atlanta, Ga.
Gate City Fence Works, Atlanta, Ga.
Gate City Fdy. Co., Kansas City, Mo.
Gaterman Mfg. Co., agricultural implements, machsts., Manitowoc, Wis.
Gates, Chas. M., architect, Ideal Bldg., Denver, Colo.
Gates, Ernest H., architect, Twin Falls, Idaho.
Gates, F. C., & Co., mill & facty. supplies, Guyahoga Bldg., Cleveland, Ohio.
Gates, F. E., Marble & Tile Co., Indianapolis, Ind.
Gates Fdry. Co., machsts. & fndrs., Wilkes-Barre, Pa.
Gates, J. J., common brick, Ashland, Ky.
Gates Lumber Co., Wilmar, Ark.
Gates Mfg. Co., auto. tops, Indianapolis, Ind.
Gates, N. S., & Son, cornices, Findlay, Ohio.
Gates, Peace & Co., machsts. & brass fndrs., 665 Manhattan av, Brooklyn, N. Y.
Gates Rubber Co., tires, Denver, Colo.
Gatlin, W. R., architect, Hopkinsville, Ky.
Gatterdam, Fred E., brewery architect, 154 W. Randolph, Chicago, Ill.
Gattis Chem. Co., chemists, Nashville, Tenn.
Gaudalupe Valley Cotton Mills, sheetings, Cuero, Tex.
Gauger, Jno. A., & Co., sash, door & blind mfrs., etc., 1434 W. 22d, Chicago, Ill.
Gauger, Wm., architect, 36 W. Randolph, Chicago, Ill.
Gaul, Hermann, architect, 111 W. Washington, Chicago, Ill.
Gaul Lithographic Co., 440 Pearl, New York.
Gauld Supply Co., mill & facty. suplies, plumbers' supplies, jobbers, 69 N. 12th, Portland, Ore.
Gault, Edw. E., architect, Lafayette, Ind.



Gault, Wm. A., & Son, masons' & bldrs.' matls., 9 E. Lexingt Baltimore, Md.
Gaumer, E. B., & Sons, carriages, Urbana, Ohio.
Gaumont Co., moving picture films, Congress av, Brooklyn, N
Gaus, Hy., & Sons Mfg. Co., sash, door & blind mfrs., Mai Clinton, St. Louis, Mo.
Gauthier, August, contractor, Hancock, Mich.
Gautier, J. H., & Co., crucible clay & fire brick, gas retorts, 1 Greene, Jersey City, N. J.
Gavigan, Jas. J. F., architect, Grand Central Terminal, N York.
Gavin & Doris, contractors, 273 Grand, Jersey City, N. J.
Gavin Hardware Co., Leominster, Mass.
Gavin, Jos., mattresses, 1133 S. 8th, Philadelphia, Pa.
Gavin Mirror & Art Glass Wks. mfrs., 275 W. Water, Milw kee, Wis.
Gavin, Stephen J., Lbr. Co., 6500 Easton av, St. Louis, Mo.
Gawthrop, Allen, Jr., hydraulic rams, Wilmington, Del.
Gawthrop, Jos. R., fertilizer mfr., Kennett Square, Pa.
Gay, Chas. P., architect, 1729 P, N. W., Washington, D. C.
Gay, David S., tow, Winchester, Ky.
Gay, E. L., Mach. Co., auto. tools, Southbridge, Mass.
Gay, Fred E., belt lacing, Thornton, R. I.
Gay, Geo. E., machst. & fndr., Augusta, Me.
Gay, Henry Lord, architect, McNeece Bldg., San Diego, Cal.
Gay, J. E., & Co., carriages, Easthampton, N. Y.
Gay Mfg. Co., lamp cord adjusters, Rochester, N. Y.
Gay Oil Co., Little Rock, Ark.
Gay & Proctor, architects, 50 Bromfield, Boston, Mass.
Gay, S. C., Co., spring wagons, Ottawa, Ill.
Gay, Willard W., landscape architect, 70 E. 45th, New Y
Gaydoul Gold Pen Co., 50 John, New York.
Gager Lime & Mfg. Co., Chattanooga, Tenn.
Gayle, M. W., & Sons, Inc., masons' & bldrs.' matls., New News, Va.
Gayler, Julius F., architect, 15 E. 40th, New York.
Gaylord Bros., bags & bagging, Syracuse, N. Y.
Gaylord & Butler Co., steam fitters' supplies, Scranton, Pa.
Gaylord, Chas. E., mechanical draftsman, Marquette Blk., cago, Ill.
Gaylord & Eitepence Co., machinery dealers, mill & facty. plies, 179 Washington, Binghamton, N. Y.
Gaylord Engineering & Constr. Co., Binghamton, N. Y. Scranton, Pa.
Gaylord Sanitary Mfg. Co., plumbing fixtures, El Dorado,
Gayner Glass Wks., glass bottles, Salem, N. J.
Gaynor Contracting Co., wood block paving contrs., Scranton,
Gaynor Elec. Bulb Manipulator Co., incandescent lamp repla 24 Wooster, New York.
Gaynor, J. M. & Co., contrs., Wilkes-Barre, Pa.
Gaynor Mfg. Co., machinists, Bridgeport, Conn.
Gaynor, Michael, brick, 30th & Moris, Philadelphia, Pa.
Gaynor, P. F., brass castings, Albany, N. Y.
Gaysoso Lbr. Co., Memphis, Tenn.
Gayoso Oil Works, Memphis, Tenn.
Gazzam, H. P., Machine Co., machsts. & fndrs., 32d & Penn Pittsburgh, Pa.
G. B. Garage & Mfg. Co., valve reseating tools, Hempstead, N
G. & C., Foundry Co., Sandusky, Ohio.
G. & D. Mfg. Co., machinists, Streator, Ill.
Geaber, Jos. F., & Bro., fertilizer mfrs., Narragansett Pier,
Geake, Wm., stone producers, Ft. Wayne, Ind.
Gealy, G. M., car wrenches, Grove City, Pa.
Gear Grinding Mach. Co., 2296 E. Gd. Blvd., Detroit, Mich
Geare, R. W., architect, Woodward Bldg., Washington, D. C
Gearhart, A. W., burners, Fresno, Cal.
Gearhart Knitting Mach. Co., tex. machy., supplies, etc., C field, Pa.
Gearhart, Wm. L., & Son, founders, McEwensville, Pa.
Gearing Bros. Co., Ltd., contractors, Penobscot bldg, Det Mich.
Gearless Automatic Pump Co., machinists, Rock Island, Ill.
Geary, Andrew J., plumbers' supplies, jobbers, 9311 Baltir av, Chicago, Ill.
Geary County Lumber Co., Junction City, Kan.
Geary, Jas., contractor, Perrin Bldg., New Orleans, La.
Geary, L. E., naval arch., Pier 1, Seattle, Wash.
Geary Milling & Elevator Co., flour, Geary, Okla.
Geary, W. J., Lbr. Co., Lexington, Ky.
Geauga Silica Sand Co., Schofield Bldg., Cleveland, Ohio.
Gebauer Chem. Co., ethyl chloride, Erie Bldg., Cleveland, Oh
Gebhardt Chili Powder Co., canned goods, San Antonio, Te
Gebhardt, H. J., machinist, 343 S. Dearborn, Chicago, Ill.
Gebhardt, John, & Son, contractors, 1825 Orchard, Chicago,
Gebhardt, Morow & Co., contractors, Alpena, Mich.
Gebhart, S. T. & G. A., Co., wholesale hdwe., Dayton, Ohio.
Gebhart-Winchet Lbr. Co., Dayton, Ohio.
Gebhart & Schaeffer, architects, U. B. bldg, Dayton, Ohio.
Gebert Shingle Co. (Ltd.), New Iberia, La.
Geddes, Jas., & Co., coffee mills, 353 Market, San Fran., C
Geddes, Jos., vent. mfrs., Rochester, N. Y.
Gedge Bros. Iron Roofing Co., Anderson, Ind.
Gedge-Gray Co., paint mixers, Lockland, Ohio.
Gedney, M. A., Co., canned goods, Minneapolis, Minn.
Gedney, Wm. N., contrs., 24 Linwood av, Kansas City, Mo.
Gee, Chas. E., machsts., Lowell, Mass.

Elec. Co., elec. supplies for mines and industrial plants, Wheeling, W. Va.
John W., & Son, contractors, Syracuse, N. Y.
e, F., Hardware Co., Sheboygan, Wis.
, Harry R., Co., 858 McLaren av, St. Louis, Mo.
in Bros. & Co., steam fitters' supplies, 422 E. 8th, Cincinnati, Ohio.
enheimer & Co., chemicals, 134 Cedar, New York.
lin, Jos., contractor, Bellevue, Ky.
rer, C., & Son, machsts., 1017 Ridge, Philadelphia, Pa.
Bros. Mfg. Co., agricultural implements, West Bend, Wis.
, H. W., machsts. & fndrs., Wadena, Minn.
r, Fischer & Co., cornices, 227 S. 2d, Louisville, Ky.
, M. C., Co., creamery machy., 3002 Meinecke av, Milwaukee, Wis.
man, F., contr., Springfield, Ill.
rich Indirect Heat Oven Co., Inc., ovens for japanning, enameling, lacquering & drying, Spillman av & Honeywell, Long Island City, N. Y. *See adv index at end of book*
es, Anna, stone, 1968 Fillmore av, Buffalo, N. Y.
es Bros., sashes, doors & blinds, Waverly, Ohio.
et Bros., steel struct. wk., Bridgeport, Pa.
on, Jacob, & Sons, contractors, Williamsport, Pa.
E. L., Machine Co., Akron, Ohio.
Frank, contractor, Sheboygan, Wis.
Wm. H., masons' & bldrs.' matls., East Aurora, N. Y.
& Bluhm, architects & engineers' instruments & castings, Troy, N. Y.
, P. A., Co., special machinery, etc., Cleveland, Ohio.
ert, Alfred J., landscape architect, 527 5th av, New York.
nd, Joseph J., architect, 346 Herman, Buffalo, N. Y.
r, A. M., Cement Co., masons' & bldrs.' matls., Leavenworth, Kans.
r, August, heating contr., 114 N. 6th, Philadelphia, Pa.
r Bros., advtg. spec., 17-23 Nevada, Newark, N. J.
r, J., machinist, Stockton, Cal.
r, J. I., contractor, 1533 Germantown, Dayton, Ohio.
r Lbr. & Mill Co., sash, door & blind mfrs., Mount Carmel, Pa.
r & Peters, archl. iron, Indianapolis, Ind.
Co., aniline colors, 89 Barclay, New York.
beck Engineering Co., brick & continuous kilns, 45 South, Portland, Ore.
ss, H., & Son, architects, 46 Kearny, San Francisco, Cal.
s Mfg. Co., dies, jigs, tools, etc., 417 E. 156th, New York.
Gustave, tubular boilers, Kansas City, Mo.
Jno. H., & Co., masons' & bldrs.' matls., Brooklyn, Md.
Mann Hardware Co., Greenville, Miss.
, Martin J., architect, 800 Main, Quincy, Ill.
l, A., Mfg. Co., sheet metal goods, 219 S. 2nd, St. Louis, Mo.
r, Albert A., architect, 525 New York block, Seattle, Wash.
r, Jos., & Son, contractors, 557 Academy, L. I. City, N. Y.
r Bros., cornices, Dubuque, Iowa.
r, Chas. R., architect, Hostetter Bldg., Pittsburgh, Pa.
l, A., & Sons, carriages, 485 N. 3d, Philadelphia, Pa.
l & Richardson, lumber, Ridge av, c Master, Phila., Pa.
er Bros., furnaces, Reading, Pa.
er, Chas. C., show cases, 62 N. 4th, Philadelphia, Pa.
er, Rudolph, glass stainers, 56 W. 8th, New York.
r Bros., masons' & bldrs.' matls., Elgin, Ill.
J., & Co., second hand machy. dlrs., 203 Centre, New York.
nd, Joseph J., architect, 346 Herman, Buffalo, N. Y.
& Co., paints, 120 Liberty, New York.
s, A., & Sons, contractors, Saginaw, Mich.
-Ward & Hasner Hdwe. Co., 414 N. 4th, St. Louis, Mo.
L. S. & Son, concrete pipe, Fillmore, N. Y.
City Acet. Generator Co., Dayton, Ohio.
City Boiler Co., 331 Leo, Dayton, Ohio.
City Elev. Wks., Dayton, Ohio.
City Machine Co., machinists, Dayton, Ohio.
City Pattern Wks., Dayton, Ohio.
City Press Brick Co., Quincy, Ill.
City Stove Co., Dayton, Ohio.
City Stove Mfg. Co., Quincy, Ill.
City Trunk Mfg. Co., Quincy, Ill.
Cutlery Co., 11th av & 25th, New York.
Fountain Pen Corp., 59 Pk. pl, New York.
Hammock & Fly Net Co., 326 Florida, Milwaukee, Wis.
Mfg. Co., incubators, Greenville, Ohio.
Mfg. Co. See Allen Mfg. Co. (successors).
Mfg. Co., children's outdoor swings, etc., N. Girard, Pa.
**MANUFACTURING CO.,** "Gem" oil cans—machine, gine & locomotive oilers—scrapers, "Pyramid" torches e best for factories & mines; made of heavy brazed eel—"Gem" flexible shafts, rope or motor driven, Goebel, Fulton, N. S., Pittsburgh, Pa.
*e adv index at end of book.*
Stamped Steel Co., metal stamping & drawings, Chelsea, ass.
Stopper Co., sheet metal stamping, etc., 2120 Nicholas, hila., Pa.
upply Co., dustless dust cloths, Waterbury, Conn.
Toothpick Co., Adrian, Mich.
Wire Fence Co., Pontiac, Mich.

Gemco Mfg. Co., automobile access., Milwaukee, Wis.
Gemmel Bros., stone producers, 902 Catharine, Richmond, Va.
Gemmer Mfg. Co., 740 Merrick, Detroit, Mich.
Gemmi Bros. Co., pearl buttons, 125 N. 5th, Philadelphia, Pa.
Gemmill & Billmeyer, architects, York, Pa.
Gemrig, J. H., & Son, surgical instruments, 109 S. 8th, Philadelphia, Pa.
Gendreau, H. L., architect, Willimansett, Mass.
Gendreau, Hubert L., architect, 830 Chicopee, Holyoke, Mass.
Gendron, A. D., architect, Astoria, Ore.
Gendron Wheel Co., Toledo, Ohio.
General Abrasive Co., emery mfrs., Niagara Falls, N. Y.
General Accident Insurance Co., 421½ Walnut, Philadelphia, Pa.
General Acetylene Co., gas generators, 80 Broadway, New York.
General Adhesive Mfg. Co., Inc., paste, etc., 469 Greenwich, New York.
General Advertising Co., signs, Reading, Pa.
General Aluminum & Brass Mfg. Co., bearings, castings, St. Aubin av, Detroit, Mich.
General American Tank Car Corp., Harris Trust Bldg., Chicago, Ill.
General Apparatus Co., spec. mach'y, Aspinwall, Pa.
General Asbestos & Rubber Co., metallic packing, Charleston, S. C.
General Bakelite Co., 2 Rector, New York.
General Briquetting Co., 25 Broad, New York.
General Bronze Fdry. Co., 4800 Hamilton av, Cleveland, Ohio.
General Builders' Supply Co., Indianapolis, Ind.
General Building Supply Co., Savannah, Ga.
General Carbonic Co., Bridge, Albany, N. Y.
General Castings Corp., Buffalo, N. Y.
General Ceramics Co., clay & stoneware products, 50 Church, New York.
General Chemical Co., 25 Broad, New York.
General Combustion Co., furnaces, Monadnock Bldg., Chicago, Ill.
General Commercial Co., Ltd., of U. S., imp. materials, colors & chemicals, 295 B'way, New York.
General Compressed Air & Vacuum Machy. Co., pumps, vacuum cleaners, etc., St. Louis, Mo.
General Concrete Construction Co., 431 S. Dearborn, Chicago, Ill.
General Condenser Co., steam & oil separators, 12th & Thompson, Philadelphia, Pa.
General Construction Co., Union Trust Bldg., Detroit, Mich.
General Construction Co., Fort Worth, Tex.
General Construction Co., 995 30th, Milwaukee, Wis.
General Construction Co., Gary, Ind.
General Contracting Co., Laconia, N. H.
General Contracting Co., Plymouth Bldg., Minneapolis, Minn.
General Contracting Co., 1218 Chackmaxon, Philadelphia, Pa.
General Contracting & Engineering Co., 29 B'way, New York.
General Cooperage & Timber Co., Whitney Central Bldg., New Orleans, La.
General Crushed Stone Co., Easton, Pa.
General Devices & Fittings Co., cable supporting clamps, 803 W. Madison, Chicago, Ill.
General Drop Forge Co., Buffalo, N. Y.
General Eclipse Co., stationers' spec., Danielson, Conn.
General Electric Co., electric lighting plants, etc., Schenectady, N. Y. *See adv index at end of book.*
General Engineering Co., automobiles, Marquette Bldg., Detroit, Mich.
General Engng. Co., machsts., 717 S. Front, Philadelphia, Pa.
General Engng. & Const. Co., contrs., Rockford, Ill.
General Equipt. Co., R. R. equipt., 30 Church, New York.
General Erecting Co., steel struct. wk., Maltbie & West Shore R. R., Syracuse, N. Y.
General Etching & Mfg. Co., advtg. spec., 312-14-16 S. Hamilton av, Chicago, Ill.
General Export & Commission Co., crude rubber, 8 Bridge, New York.
General Filtration Co., filters, Rochester, N. Y.
General Fire Extinguisher Co., automatic fire sprinklers, cast iron pipe & fittings, valves, fire alarms, etc., 275 W. Exchange, Providence, R. I.
General Fireproofing Co., Youngstown, Ohio.
General Fdry. Co., machsts. & brass fndrs., Williamsport, Pa.
General Gas Appliance Co., stoves, ranges, heaters, 103 Park av, New York.
General Gas Electric Co., elec. lgt. plants, Hanover, Pa.
General Gas Light Co., Kalamazoo, Mich.
General Gas Mantle Co., Camden, N. J.
General Glass Mfg. Co., signs, 355 Union Park ct, Chicago, Ill.
General Illuminating Co., 47 Greene, New York.
General Incandescent Lamp Wks. of G. E. Co., 214 Electric Bldg., Cleveland, Ohio.
General Insulate Co., insulators, dies, tools, etc., 1008 Atlantic av, Brooklyn, N. Y.
General Iron Works Co., architectural iron, Front & Harriet, Cincinnati, Ohio.
General Insulating & Mfg. Co., compounds & cold storage insulation, Central National Bank Bldg., St. Louis, Mo.
General Iron Works. See Potthoff Constr. Co. (successors).
General Kompolite Co., composition flooring mfrs., 325 Borden av, Long Island City, N. Y.
General Laboratories, disinfectants, Madison, Wis.
General Lead Batteries Co., 4 Lister av, Newark, N. J.

General Leather Co., 414 Frelinghuysen, Newark, N. J.
General Lighting Fixture Co., 28 W. Lake, Chicago, Ill.
General Mach. Co., 3440 Summit av, Toledo, Ohio.
General Mach. Co., 417 E. 156th, New York.
General Mach. & Mfg. Co., dies, jigs, models, etc., Bridgeport, Conn.
General Machy. Co., machy. dlrs., mill & fcty. supplies, Spokane, Wash.
General Mach. Wks., York, Pa.
General Machy. & Supply Co., machy. dealers, mill & facty. supplies, 39 Stevenson, San Francisco, Cal.
*See adv. index at end of book.*
General Machy. & Supply Co., mill & facty. supplies, Pittsburg, Kan.
General Machy. & Supply Co., mill & facty. supplies, 1 B'way, New York.
General Magnesite & Magnesia Co., 29th & Montgomery av, Phila., Pa.
General Malleable Co., machsts. & fndrs., Warren, Ohio.
General Manifold & Printing Co., 727 S. Dearborn, Chicago, Ill., & Franklin, Pa.
General Mfg. Co., screw mach. prod., Waterbury, Conn.
General Mfg. Co., mill & facty. supplies, 18th & Pine, St. Louis, Mo.
General Mfg. Co., leather belting & fire extinguishers, 1804 Pine, St. Louis, Mo.
General Motors Corp., machsts. & fndrs., Flint, Mich.
General Motors Truck Co., Pontiac, Mich.
**GENERAL NAVAL STORES CO., INC.**, 90 West, New York; Chicago, Ill., 1236 McCormick Bldg.; Cincinnati, O., 2213 Union Central Bldg.
General Oil Furnace Corp., 233 B'way, New York.
General Oil Wks. Co., lubrg., Indianapolis, Ind.
General Optical Co., 50 E. 42d, New York.
General Ordnance Co., aeroplane guns & rifles, machsts. & fndrs., Derby, Conn.
General Package Co., box hinging machs., 99 Warren, New York.
General Pattern & Model Co., 215 Centre, New York.
General Petroleum Co., Higgins bldg, Los Angeles, Cal.
General Phonograph Corp., supplies, fishing reels, etc., 25 W. 45th, New York.
General Phonograph Mfg. Co., auto horns, etc., Elyria, Ohio.
General Pipe & Fdry. Co., machsts. & fndrs., Atlanta, Ga.
General Platers' Supply Co., 489-493 Broome, New York.
General Porcelain Co., Parkersburg, W. Va.
General Pressed Metal Co., stampings, 1524 N. Hancock, Philadelphia, Pa.
General Radio Co., wireles telegraph apparatus mfrs., 11 Windsor, Cambridge, Mass.
General Ry. Signal Co., Rochester, N. Y.
General Refractories Co., brick, 111 Broadway, New York.
General Repair Mach. Shop, Hamilton, Ohio.
General Rim Co., St. Mary's, Pa.
General Rubber Co., 1790 B'way, New York.
General Screw Co., screw machine products, Cincinnati, O.
General Scientific Equip. Co., Inc., respirators, hydrometers, thermometers & water stills, N. Phila., Pa.
General Slate Co., roofing slate, 148 State, Boston, Mass.
General Specialty Co., boiler tube cleaners, Buffalo, N. Y.
General Spring & Wire Co., 550 Marstun, Detroit, Mich.
General Steel Co., ingots, ft 40th, Milwaukee, Wis.
General Storage Battery Co., 2005 Locust, St. Louis, Mo.
General Supply Co., masons' & bldrs.' & mill & factory supplies, Easton, Pa.
General Supply Co., mill & facty. supplies, Danielson, Conn.
General Supply Co., platers' & polishers' supplies, 1314 St. Clair av, Cleveland, Ohio.
General Supply Co., plumbers' supplies—jobbers, Atlanta, Ga.
General Supply & Construction Co., York, Pa.
General Supply & Equip. Co., plumbers' supplies—jobbers, 207 Hudson, New York.
General Supply & Machy. Co., Meridian, Miss.
General Tire & Rubber Co., Akron, Ohio.
General Trading & Export Co., Inc., Whitney Central bldg, New Orleans, La. *See adv index at end of book*
General Utility Co., pumps, air tires, 1326 Ogden, Philadelphia, Pa.
General Vehicle Co., motor wagon mfrs., Borden & star av, Long Island City, N. Y.
General Welding Co., Hoboken, N. J.
General Welding & Equipment Co., 107 Massachusetts av, Boston, Mass.
General Woodwork Co., auto & carriage, 1225 Budd, Cincinnati, Ohio.
Generator Valve Co., carbureters, 47 Dinsmore pl, Brooklyn, N. Y
Genessee Chemical Co., perchloric acid, Batavia, N. Y.
Genessee Cooperage Co., Elba, N. Y.
Genesee Iron Wks., machsts. & fndrs., Flint, Mich.
Genesee Lime Co., Honeoye Falls, N. Y.
Genesee Lime Co., Lima, N. Y.
Genesee Lumber Co., Genesee, La.
Genesee Metals Co., Rochester, N. Y.
Genesee Optical Co., Rochester, N. Y.
Genesee Plating Wks., Rochester, N. Y.
Genesee Tack Co., Rochester, N. Y.
Genesee Textile Co., Rochester, N. Y.
Genesee Valley Mfg. Co., agric. implts., Mount Morris, N. Y.



Geneseo Canning Co., Geneseo, N. Y.
Geneva Boiler Wks., Geneva, N. Y.
Geneva Canning Co., Geneva, Ohio.
Geneva Cutlery Corp., Geneva, N. Y.
Geneva Fdry. & Mach. Co., Geneva, Ill.
Geneva Mfg. Co., woodenware mfrs., Geneva, Ill.
Geneva Metal Wheel Co., Geneva, Ohio.
Geneva Mill Co., lbr., Geneva, Ala.
Geneva Milling Co., masons' & bldrs.' matls., Geneva, Ohio.
Geneva Preserving Co., canned goods, Geneva, N. Y.
Geneva Tractor Co., Geneva, Ohio.
Geneva Wagon Co., Geneva, N. Y.
Gennert, G., cameras, moving picture machs., 24 E. 13th, N York.
Genovese Bros., contractors, 290 W. Main, Stamford, Conn.
Gens, Chas., Jr., architect, 1015 E. 2nd, Brooklyn, N. Y.
Genseke, Merman, soap, Streator, Ill.
Gensel, Frederick, & Co., founders, 911 Vine, Philadelphia, Pa
Gensman Bros. & Co., wholesale hardware, Enid, Okla.
Gent, Wm., Vending Mach. Co., weighing machy., etc., 846 93rd, Cleveland, Ohio.
Genter, J. H., Co., projection screens, Newburgh, N. Y.
Gentile Bros., contractors, 617 Abbott rd, Buffalo, N. Y.
Gentz, A. G., canned goods, Lineboro, Md.
Gentz Bros., contractors, Grand Rapids, Mich.
Genuine Washington Slate Co., Slatington, Pa.
Genung, C. W., agricultural implements, machinist, Madison,
Geographical Publishing Co., 621 Plymouth, Chicago, Ill.
Geometric Stamping Co., 221 E. 131st, Cleveland, Ohio.
Geometric Tool Co., New Haven, Conn.
George, A. H., Co., fertz. mfrs., Meridian, Miss.
George & Barker Salmon Packing Co., Point Roberts, Wash.
George & Borst, contractors, 277 S. 11th, Philadelphia, Pa.
George Bros., machinists, Grass Valley, Cal.
George Bros. & Co., Winchester, Ky.
George Bros., Griffith Co., rubber stamps, Lincoln, Neb.
George, Claude, Co., machy. dlrs., Omak, Wash.
George & Co., meat packers, 404 S. Charles, Baltimore, Md.
George, E. A., architect, American Nat'l Bank Bldg., Shr port, La.
George, E. J., flour, Lexington, S. C.
George, J. R., & Bro., canned goods, Irvington, Va.
George, M. & R. L., machinists, New Lisbon, N. Y.
George & MacLucas, architects, Lemcke Annex, Indianap Ind.
George & O'Connor Co., contractors, 207 Market, Newark, N.
George, R. W., flour, Francisco, N. C.
George, Richard A., architect, 69 Genesee, Utica, N. Y.
George, S., Co., paper & pulp mills, Wellsburg, W. Va.
George & Sherrard Paper Co., Wellsburg, W. Va.
George, Thomas J., architect, 32 Nassau, New York.
George Washington University, engng. schools & coll., Wash ton, D. C.
George, Wm. H., contractor, Atlanta, Ga.
George's Creek Coal Co., Cumberland, Md.
Georgeson, F. T., architect, Eureka, Cal.
Georgi, Edwin C., architect, Woodhaven, Long Island, N
Georgia Agr'l Wks., Fort Valley, Ga.
Georgia Belle Fertilizer Co., Newnan, Ga.
Georgia Brick & Tile Co., Adairsville, Ga.
Georgia Car & Locomotive Co., Atlanta, Ga.
Georgia-Carolina Brick Co., Augusta, Ga.
Georgia-Carolina Lumber Co., Pottsville, Pa.
Georgia Chemical Wks., fertilizer mfrs., Augusta, Ga.
Georgia Fertilizer Co., Nashville, Tenn.
Georgia Fertilizer & Oil Co., Valdosta, Ga.
Georgia Hardware Co., wholesale, Brunswick, Ga.
Georgia Iron Works, supplies, Augusta, Ga.
Georgia Kaoline Co., Macon, Ga.
Georgia Lumber Co., Bluefield, W. Va.
Georgia Mfg. Co., fertilizer, Camilla, Ga.
Georgia Marble Co., Tate, Ga.
Georgia Marble Finishing Wks., Canton, Ga.
Georgia Milling Co., flour, Fort Valley, Ga.
Georgia Paint & Glass Co., Atlanta, Ga.
Georgia Paving & Constr. Co., Columbus, Ga.
Georgia-Peruvian Ochre Co., clays, 165 B'way, New York.
Georgia Phosphate Co., Athens, Ga.
Georgia Pine Co., lumber mfrs., Elliott & Linwood av, Baltin Md.
Georgia Pine Turpentine Co. of N. Y., 158 Perry, New Yorl
Georgia Plow & Fdry. Co., Athens, Ga.
Georgia Products Co., fertilizer mfrs., Fort Gaines, Ga.
Georgia Quincy Granite Co., Macon, Ga.
Georgia School of Technology, arch. & engng. schools, Atl Ga.
Georgia Ship Building Co., Savannah, Ga.
Georgia Supply Co., mill & facty. supplies, Savannah, Ga.
Georgia Supply House, mill & facty. supplies, Griffin, Ga.
Georgia Syrup Co., Atlanta, Ga.
Georgia Talc Co., crayon, Asheville, N. C.
Georgia Veneer & Package Co., Brunswick, Ga.
Georgia Vitrified Brick & Clay Co., Augusta, Ga.
Georgs, C. W., Mfg. Co., sashes, doors & blinds, Beaumont,
Geraghty Bros. Elevator Co., 416 S. 6th, St. Louis, Mo.
Geraghty & Co., badges & buttons, 3035-37 W. Lake, Chi Ill.

n, J., electro plating, 168 Centre, New York.
rd, Michael, machsts. & fndrs., Cissna Park, Ill.
er, A. F., Stone Co., 153 Ridgewood av, Newark, N. J.
er, J. J., cornices & skylights, 128 6th av, S., Minneapolis, Minn.
er, Louis, & Son, mining mach. picks, 66 Walter av, Pittsburgh, Pa.
g, J. C., & Son, soap, Chambersburg, Pa.
au, Otto, Co., rattans, 83 Murray, New York.
es & Co., machinery mfrs., 42 Church, New York.
*See av index at end of book.*
es, T. N., window ventilators, 105 Bank, New York.
*See adv index at end of book*
ing & Aumann, cornices, Ft. Wayne, Ind.
ing Bros., machsts., 3rd & Main, Cincinnati, Ohio.
ing, Geo. W., traveling bags, 405 Commerce, Phila., Pa.
ke-Allen Cartoon Co., paper folding boxes, etc., Chouteau, St. Louis, Mo.
z, Martin, architect, Lexington, Ky.
ard, E. C., Bldg. Co., Post Dispatch bldg, St. Louis, Mo.
ard, F. J., drain tile, 110 Belmont av, Newark, N. J.
ard, G. L., & Son, architects, 619 Penn, Reading, Pa.
ardstein Bros., brick & tile, Bellevue, Ohio.
ardt, C., brooms, brushes, cleaners, 591 Hudson, New York.
ardt, Paul, architect, Garrick bldg, Chicago, Ill.
ensmyer, H., brick, Martin, Ohio.
n, J. D., & Co., cornices & skylights, Toledo, Ohio.
ch, H. C., architect, Mankato, Minn.
ch, J. H., loose leaf devices, College Point, N. Y.
ch, Peter, Co., barrel, stave & heading machinery, 1712 Winter, Cleveland, Ohio.
ne Brass Fdry. Co., Kalamazoo, Mich.
ng Toy Co., 64 Grand, New York.
nger Steel Casting Co., steel castings, West Allis, Wis.
ch, H. W., machsts. & fndrs., Huntingdon, Pa.
ain & Boyd Lbr. Co., Saginaw, Mich.
ain & Jensen, architects, Exchange Bldg., Duluth, Minn.
ain Co., lumber, Farmers' Bank Bldg., Pittsburgh, Pa.
ain, Louis, naval architect, Saginaw, Mich.
ain Piano Co., Saginaw, Mich.
ain Seed & Plant Co., 560 Main, Los Angeles, Cal.
Am. Bronze Powder Mfg. Co., 38 W. 32d, New York.
an-Am. Button Co. See Art in Button Co., Inc. (successor).
an-Am. Cinematograph & Film Co., 219 2d av, New York.
an-Am. Glass Wks., Philadelphia, Pa.
an-Am. Lbr. Co., Rochester, N. Y.
an-Artistic Weaving Co., 141 W. 36th, New York.
an-Compound Co., boiler compounds, 20 N. Market, Boston, Mass.
an, Howard W., architect, Schwind Bldg., Dayton, Ohio.
an Rock Asphalt Co., Morgan Bldg., Buffalo, N. Y.
ania Cedar Wks., pencil timber, Christiana, Tenn.
ania Imptg. Co., linoleum mfrs., 41 Union sq, New York.
ania Knitting Wks., 440 Canal, New York.
ania Mills, flour, Fredericksburg, Va.
ania Refrigerator & Mchy. Co., Belleville, Ill.
ania Supply & Fdry. Co., Covington, Ky.
anow, Simon Mach. Works, vises, 58 Mill, Rochester, N. Y.
antown Milling Co., flour, Germantown, Ky.
antown Steam Co., heating contrs., 349 W. Hortter, Philadelphia, Pa.
antown Tool Works, tool mfrs., 521 Market, Phila., Pa.
antown Varnish, Color & Paint Co., 5434 Germantown av, Philadelphia, Pa.
er Stove Co., Erie, Pa.
proof Cup Mach. Co., Inc., 136 Liberty, New York.
ndt, W. F., architect, Keeline bldg, Omaha, Neb.
rt Bros. Lbr. Co., Louisville, Ky.
hyn, Hy., & Bro., sweaters, cardigans, etc., 32 Stockton, Brooklyn, N. Y.
, Hugo & Arthur, lbr., Gernt, Tenn.
k Bros. Mfg. Co., zinc castings, cornices, metal doors, etc., 252 S. Vandeventer av, St. Louis, Mo.
a Mfg. Co., chain grip pipe vises, Old Colony Bldg., Chicago, Ill.
d, Frank Co., barrels, 453 N. Green, Chicago, Ill.
imo Motor Co., auto bldrs., Enid, Okla.
v, Emma, pckg. box mfrs., 450 11th av, New York.
rd, Barclay Granite Co., Barre, Vt.
rd Wire Tying Machines Co., Inc., box strapping machs, 338 S. Dearborn, Chicago, Ill.
ck & Gerrick Co., steel structural work, Seattle, Wash.
sh Dredging Co., 101 Tremont, Boston, Mass.
tsen, Henry, architect, Garfield, N. J.
, F. R., Co., sash, door & blind, 1835 Market, Phila., Pa.
, Geo., & Son, textile machinery, supplies, Athol, Mass.
r Mfg. Co., autos, Seattle, Wash.
nann, Rudolf, arch'l iron, 1431 Bryant av, New York.
n & Carey, brass castings, Lansing, Mich.
n, I., & Son, scrap iron & steel, Toledo, Ohio.
n, Sam'l, scrap iron, Coatesville, Pa.
Bros. Mfg. Co., machsts. & fndrs., 800 Cass av, St. Louis, Mo.
ein Bros. & Cooper, coppersmiths, etc., 3 W. 3d, S. Boston, Mass.
ndorfer Bros., enamels, paints, furniture polish, etc., 221 E. 42d, New York.

Gerstenslager Co., carriages, Wooster, Ohio.
Gerstner, A. W., Co., wholesale hdwe., 634 8th av, New York.
Gerstner, H., & Sons, tools, cases & chests, Dayton, Ohio.
Gertig, E. A., contractor, Albuquerque, N. M.
Gerts, Lumbard & Co., varnish & paint brushes, 154 W. Randolph, Chicago, Ill.
Gervais, Henry, contrs., 1727 Mission, San Francisco, Cal.
Gerwig, H., & Sons, packing mfrs., 1301 Penn av, Pittsb'h, Pa.
Gery & Peters, contractors, Allentown, Pa.
Gescheidt, Jacob, & Co., contrs., 142 E. 43d, New York.
Geske, C., & Co., dock bldrs. & contrs., Seattle, Wash.
Gessner, David, Co., textile machy., Worcester, Mass.
Gesswein, F. W., Co., jewelers' machy., etc., 16 John, New York.
Gesswein, Paul H., & Co., watchmakers' tools, 35 Maiden la, New York
Gest, G. M., underground conduits, 237 B'way, New York.
Gestring Wagon Co., 1718 N. B'way, St. Louis, Mo.
Getchell, Seth S., & Son, mill & facty. supplies, tin cylinders, Woonsocket, R. I.
Gethmann Brick Co., Gladbrook, Ia.
Getman & Judd Co., lumber, Stamford, Conn.
Gettier Studios, glass stainers, 855 N. Howard, Baltimore, Md.
Gettings Bros., contractors, Mansfield, Ohio.
Gettins-Kopitke Co., contractors, Mashy bldg, Toledo, Ohio.
Gettner, K. H., Co., machsts. & fndrs., Cecil pl, Pittsb'h, Pa.
Getty, F. I., machinist, Jennings, La.
Getty, Hugh, contractor, 359 W. 26th, New York.
Gettys, M. E., Co., lbr., Jeffersonville, Ga.
Gettys, M. H., contractor, Harrisburg, Pa.
Getz, M., & Co., bakers' & confectioners' supplies, 162 First, San Francisco, Cal.
Getz Power Washer Co., clothes washing machines, Morton, Ill.
Getz-There Soap Co., Conshohocken, Pa.
Getz, W. F., architect, Lancaster, Ohio.
Getzen, J. C., turpentine, Webster, Fla.
Geuder, Paeschke & Frey Co., pressed steel parts, St. Paul av & 15th, Milwaukee, Wis. *See adv index at end of book.*
Geving Bros., machsts., Lake Mills, Iowa.
Geyer, Ed. J., tailors' pressing machs., Rochester, N. Y.
Geyer, John, sash, door & blind mfrs., Prescott, Wash.
Geyer's Stationer, trade publication, 318 B'way, New York.
Geyser Elec. Co., washing mach., 321 Sheldon, Chicago, Ill.
Gfell, John H., & Co., mill, facty. & plumbers' supplies, jobbers, Norwalk, Ohio.
Ghent Canning Co., Ghent, Ky.
Ghent Mfg. Co., grain separators, Ghent, Minn.
Gherky, Wm. D., pole repair sleeves, 30th & Walnut, Phila., Pa.
Ghirardi, P. B., architect, Morgan City, La.
Gholstin Spring & Mattress Co., Atlanta, Ga.
Gholston Bros., masons' & bldrs.' matls., Comer, Ga.
Ghriskey's, Chas. M., Sons, wholesale hdwe., 508 Commerce, Philadelphia, Pa.
Giannini, G. W., mill & facty. supplies, 437 W. 42d, New York.
Giannini & Hilgart, glass stainers, 222 W. Madison, Chicago, Ill.
Giant Grip Horse Shoe Co., Oshkosh, Wis.
Giant Mfg. Co., pipe pushers & textile machy., Council Bluffs, Iowa.
Giant Portland Cement Co., Penn bl, Philadelphia, Pa.
Giant Powder Co., dynamite, powder & explosives mfrs., San Francisco, Cal. *See adv. index at end of book.*
Giaver & Dinkelberg, archits., 80 E. Jackson blvd, Chicago, Ill.
Gibb, Arthur N., architects, Trust Co. Bldg., Ithaca, N. Y.
Gibb, Frank W., & Co., architects, Little Rock, Ark.
Gibb Instrument Co., pyrometers, Highland Bldg., Pittsb'h, Pa.
Gibb, Wm. R., architect, 160 W. Jackson blvd., Chicago, Ill.
Gibbens-Finney-Gordon Co. See Standard Supply Co. of New Orleans, La. (successor).
Gibbes Machinery Co., Columbia, S. C.
Gibbins, T. C., lumber, Washington, La.
Gibboney, A. R., & Co., blankets, flannels, woolen, Reedsville, Pa.
Gibboney, Jacob, lumber, Bradford, Ohio.
Gibbons, A. J., Metropolis, Ill.
Gibbons, E. F., architect, Erie Bldg., Cleveland, Ohio.
Gibbons, Edward, contractor, 203 Montgomery av, Providence, R. I.
Gibbons, Ernest A., Co., mill & facty. supplies, 27 Montgomery, Jersey City, N. J
Gibbons, J. E., stone producers, Williamsport, Pa.
Gibbons, Jno. V., mill & facty. supplies, 133 Greenwich, New York.
Gibbons, M. J., Supply Co., plumbers' supplies, jobbers, Dayton, Ohio.
Gibbons Mach. & Fdry. Co., Des Moines, Ia.
Gibbons, Martin, contractor, Dunmore, Pa.
Gibbons, N. L., steam heaters, Norristown, Pa.
Gibbons, Patrick F., contractor, Scranton, Pa.
Gibbons, Robt. E., architect, 1116 N. 9th, Terre Haute, Ind.
Gibbons & Stone, pianos, Rochester, N. Y.
Gibbs Bros., machinists, Commerce, Ga.
Gibbs-Brower Co., angle straightening machs., 261 B'way, New York.
Gibbs, Chas. E., machsts., Honesdale, Pa.
Gibbs, Chas. M., contrs. tents, Syracuse, N. Y.
Gibbs, Fred W., contractor, Montclair, N. J
Gibbs Gas Engine Co of Fla., Jacksonville, Fla.
Gibbs Heddle Co., tex. machy., Leicester, Mass.
Gibbs, Mrs. J. L., lumber, Mayfield, Mich.

Gibbs, John, contractor, Carbondale, Pa.
Gibbs, John W., contractor, Morgan Bldg., Buffalo, N. Y.
Gibbs, L. Y., Son & Co., fertilizer, Savannah, Ga.
Gibbs Loom Harness & Reed Co., tex. machy., supplies, Clinton, Mass.
Gibbs Machy. Co., dlrs., Columbia, S. C.
Gibbs Mfg. Co., toy mfrs., Canton, Ohio.
Gibbs Preserving Co., 2301 Boston, Baltimore, Md.
Gibbs & Pulsifer, architects, Lewiston, Me.
Gibbs & Sanders, masons' & bldrs.' matls., Albion, Mich.
Gibbs, W. F., Mfg. Co., handles, name plates & organ stop knobs, New Haven, Conn.
Gibbs, W. H., & Co., cut glassware, Stroudsburg, Pa.
Gibbs, Wm. H., cornices & skylights, 2948 W. Pico, Los Angeles, Cal.
Gibbud, M. J., Co., contractors, 107 Water, New Haven, Conn.
Gibby Foundry Co., steam heaters, 96 Condor, E. Boston, Mass.
Giberson, E. D., & Co., mill & facty. supplies, 52 B'way, New York.
Gibey Tire & Rubber Co., 215 N. Broad, Philadelphia, Pa.
Gibford Specialty Co., razor stroppers mfrs., 217 W. Grand av, Chicago, Ill.
Gibford-Weiffenbach Co., knives, Adrian, Mich.
Giblin & Co., machsts. & fndrs., Utica, N. Y.
Giblin, Peterson & Screen, contrs., 39 S. La Salle, Chicago, Ill.
Gibney Iron & Steel Co., Phillipsburg, N. J.
Gibney Tire & Rubber Co., Conshohocken, Pa.
Gibout, L. E., sash, door & blind, Menominee, Mich.
Gibraltar Concretile Co., Indianapolis, Ind.
Gibraltar Knitting Mills, 1010 W. 12th, Chicago, Ill.
Gibsland Oil Mills & Fertilizer Co., Gibsland, La.
Gibson, A. C., Co., steel stamps, rubber type, stencils, etc., Buffalo, N. Y.
Gibson Art Co., advtg. post cards, 416 Elm, Cincinnati, Ohio.
Gibson, B. K., architect, 608 S. Dearborn, Chicago, Ill.
Gibson Bros. Mfg. Co., cocks & bibbs, N. Chicago, Ill.
Gibson Canning Co., Gibson City, Ill.
Gibson & Cole, contractors, Pendleton, Ore.
Gibson Co., carbon removers, 424 N. Capitol blvd., Indianapolis, Ind.
Gibson Co., Inc., surgical instr., 310 Eutaw, Baltimore, Md.
Gibson, David, machst. & fndr., Waterloo, Ia.
Gibson, G. N., & Son, lumber mfrs., West Stockholm, N. Y.
Gibson, G. P., & Son, lbr. mfrs., 468 Genesee, Utica, N. Y.
Gibson, Geo. H., Co., advtg. counsellors, 154 Nassau, New York.
Gibson, H. B., Co., millers, 123 Liberty, New York.
Gibson, Hollister Mfg. Co., auto lamps, spark plugs, etc., Springfield, Mass.
Gibson-Homans Co., paint mfrs., 2366 Woodhill rd, S. E., Cleveland, Ohio.
Gibson Iron Works, machsts. & fndrs., Gibson City, Ill.
Gibson Iron Wks. Co., blowers, kettles, etc., 168 1st, Jersey City, N. J.
Gibson, J. A., contractor, 1611 Fort, W, Detroit, Mich.
Gibson, J. L., masons' & bldrs.' matls., North Conway, N. H.
Gibson & King, contrs., Warren, Pa.
Gibson & Kirk Co., machsts. & fndrs., 217 Key Highway, Baltimore, Md.
Gibson & Knopp, contrs., Uniontown, Pa.
Gibson Mfg. Co., warm air furnaces, 415 Niles, Waterloo, Iowa.
Gibson Musical String Co., Belleville, N. J.
Gibson, Porter E., contractor, Cambridge, Ohio.
Gibson & Price Co., lead pipe, Sweetland Bldg., Cleveland, Ohio.
Gibson Refrigerator Co., Greenville, Mich.
Gibson, Richard, contractor, 65 Long Wharf, Boston, Mass.
Gibson & Robertson, architects, Herald Bldg., El Paso, Tex.
Gibson Slide Rule Co., Niles, Mich.
Gibson, W. E., sash, door & blind mfr., 3527 Market, Phila., Pa.
Gibson-Whitaker Co., lbr., Memphis, Tenn.
Gibson, Wm. D., Co., springs, 1800 Clybourn av, Chicago, Ill.
Gibsonite Constr. Co., Dallas, Tex.
Gichner, Ernest, cornices & skylights, 1107 E, N. W., Waterbury, D. C.
Gichner, Fred S., founders, 1214 D, N. W., Washington, D. C.
Giclas, H. J., cornices & skylights, 1134½ S. W., Washington, D. C.
Giddings, Burt & Sons, fertilizer mfrs., Baldwinsville, N. Y.
Giddings & Lewis Mfg. Co., machsts. & fndrs., Fond du Lac, Wis.
Gideon-Anderson Lbr. & Merc. Co., Gideon, Mo.
Gideon, Samuel Edward, archit., University of Texas, Dept. Architecture, Austin, Tex.
Gidon, Jos. E., auto. lamps, 794 10th av, New York.
Giebisch & Joplin, contractors, Rothchild Bldg., Portland, Ore.
Giele, Louis H., architect, 1123 Broadway, New York.
Gielow & Orr, naval architects, 52 B'way, New York.
Gier, E. F., architect, Conrad, Ia.
Gier, E. F., architect, Des Moines, Iowa.
Gier, F. B., & Co., contractors, 517 Riddle rd, Cincinnati, Ohio.
Gier Pressed Steel Co., steel stampings, Lansing, Mich.
Gierhart, J. B., architect, Huntington, Ind.
Gies Gear Co., Boydell Bldg., Detroit, Mich.
Gies, Rowland C., architect, David Whitney Bldg., Detroit, Mich.
Giese, Frank, stone, Viaduct & Big 4, Cincinnati, Ohio.
Giese Mfg. Co., metal spinning, 260 S. 5th, Philadelphia, Pa.
Giesey, M. F., architect, German Bk. Bldg., Wheeling, W. Va.



Gieske, J. R., architect, Ceredo & Huntington, W. Va.
Gieske, Walter M., architect, Gunther Bldg., Baltimore, Md.
Giesler & Co., machsts. & fndrs., Muscatine, Ia.
Giesse Glass Sign Wks., 147 Duane, New York.
Giessing Milling Co., flour, Farmington, Mo.
Gifford, A. W., Co., hdwe. mfrs., Worcester, Mass.
Gifford, C. M., & Son, canned goods, San Diego, Cal.
Gifford, Chas. A., architect, 60 Park pl, New York.
Gifford Engine Co., Lansing, Mich.
Gifford, H. L., architect, Rookery bldg, Seattle, Wash.
Gifford, Jno. A., & Son, whol. hdwe., 25 Park pl, New York.
Gifford, Prince, sash, door & blind mfrs., Wareham, Mass.
**GIFFORD-WOOD CO.,** machsts. & fndrs., Hudson, N. Y.
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Gigrich, A. A., & Co., umbrella sticks, Amityville, N. Y.
Giguere, Peter C., & Son, contractors, 410 7th av., N. E., Minneapolis, Minn.
Gila Valley Milling Co., flour, Safford, Ariz.
Gilb, V., & Son, machsts. & fndrs., Birmingham, Ala.
Gilbane Building Co., Calverley, Providence, R. I.
Gilbert, A. C., Co., elec. portable fans, Fox, New Haven, Conn.
Gilbert, A. F., architect, 80 Maiden la, New York.
Gilbert, A., & Sons, newspaper files & specialties (wood), Derby, Conn.
Gilbert, A., & Sons Brass Foundry Co., 4019 Forest Pk. Blvd., St. Louis, Mo.
Gilbert & Barker Mfg. Co., oil storage systems for mills, factories, railways, mines, etc., hand and power-driven self-measuring and non-measuring pumps; storage tanks, for oil-burning equipment, gas & oil fired furnaces for hardening, tempering, annealing, etc., Springfield, Mass.
Gilbert & Bennett Mfg. Co., wire brushes, lath stretchers, cloth etc., Georgetown, Conn.
Gilbert, Calvin, machsts. & fndrs., Gettysburg, Pa.
Gilbert, Chas., architect, 11 E. 24th, New York.
Gilbert, Chas. P. H, architect, 1124 Broadway, New York.
Gilbert & Co., gauge glass gaskets, Hyattsville, Md.
Gilbert, E. T., Mfg. Co., brushes, cleaners, etc., Rochester, N. Y.
Gilbert, Frank, Paper Co., Waterford, N. Y.
Gilbert, Fred H., contr., Jewett City, Conn.
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Gilbert, Geo. W., contractor, York, Pa.
Gilbert-Grant Co., mfrs. cranes, hoists, winches & windlass, Grand Central Terminal, New York.
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Gilbert, Hedge Lumber Co., Burlington, Ia.
Gilbert, J. L., & Bro., Lbr. Co., East Falls & Eastern avs, Baltimore, Md.
Gilbert, John, contr., Viola, Ill.
Gilbert Knitting Co., sweaters, cardigans, etc., Little Falls, N. Y.
Gilbert, L. B., bldg. contr., Madison, Wis.
Gilbert Mfg. Co., carbureters, auto. tire holders, etc., New Haven, Conn.
Gilbert Mill Supply Co., 50 Exchange Pl, Providence, R. I.
Gilbert & Nichols Co., buckwheat & rye flour, Fulton, N. Y.
Gilbert Paper Co., Menasha, Wis.
Gilbert, Perley F., architect, 53 Central, Lowell, Mass.
Gilbert Trunk Factory, Birmingham, Ala.
Gilbert, V. P., contractor, 453 S. Spring, Los Angeles, Cal.
Gilbert, W. L., Clock Co., Winsted, Conn.
Gilbert Wall Paper Co., York, Pa.
Gilbert, Wright L., contractor, 133 Chambers, New York.
Gilbertson, J., cornices & skylights, Bayonne, N. J.
Gilbreth, G. W., & Co., contractors, 606 S. Hill, Los Angeles, Cal.
Gilchrist, A. D., architect, Rock Hill, S. C.
Gilchrist Co., hdwe. mfrs., 236 Bank, Newark, N. J.
Gilchrist, David D., contractor, Summit, N. J.
Gilchrist, Edmund B., architect, 1627 Sansom, Philadelphia, Pa.
Gilchrist-Fordney Co., lumber, Laurel, Miss.
Gilchrist, Geo. E., Co., mill, facty. & plumbers' supplies—jobbers, 106 High, Boston, Mass.
Gilchrist, H. D., architect, Frick Bldg., Pittsburgh, Pa.
Gilchrist, James, contr., 233 Stevenson, San Francisco, Cal.
Gilchrist, John G., founders, South Bend, Wash.
Gilchrist, M. D., masons' & bldrs.' matls., Oskaloosa, Ia.
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Gilcrest, J. K. & W. H., Co., lumber mfrs., Des Moines, Ia.
Gildard, W. H., architect, Knoxville, Tenn.
Gildersleeve Ship Building Co., Gildersleeve, Conn.
Gile, J. M., architect, Pueblo, Colo.
Gile Tractor & Engine Co., gas engines, Ludington, Mich.
Giles, Albert E., brick, Peoria, Ill.
Giles, Alfred, Co., architect, F. Bldg., San Antonio & Laredo, Tex.
Giles Bay Lbr. Co., Florence, S. C.
Giles Drilling Co., Inc., core boring contrs., 30 Church, New York.
Giles Lbr. Co., Darrington, Wash.
Giles & Nielsen Nickel Wks., ice cream dishes, spoons, etc., Troy, N. Y.

Son & Hubbard, flour mills, Toshes, Va.
lan, F. C., machinists, Ebenezer, N. Y.
r, Frank B., plbrs. supplies, San Jose, Cal.
rson Construction Co., 26 Richards, Salt Lake City, Utah.
y, Jarboe, Hardware Co., Chickasha, Okla.
Andrews Lbr. Co., Wausaw, Wis.
Bros. Co., lamp globes & chimneys, Steubenville, Ohio.
C. P., & Co., granite, Montpelier, Vt.
Clay Pot Co., Muncie, Ind.
& Co., lamp reflectors, globes, etc., E. York & Thompson, Philadelphia, Pa.
D. A., mill & facty. supplies, Meadville, Pa.
David, Jr., masons' & bldrs.' matls., Kingston, N. Y.
Howard W., fertilizer mfrs., Avalon, Va.
Irving J., archit., 913 Figueroa, Los Angeles, Cal.
J. O., architect, 1004½ Commerce, Dallas, Tex.
John M., cornices, Waterbury, Conn.
Jno. N., & Co., contractors, 1215 Filbert, Philadelphia, Pa.
John P., contractor, Princeton, N. J.
Jno., & Sons Co., contractors, Citizens' Bldg., Cleveland, O.
Lumber Co., Hippodrome Bldg., Cleveland, Ohio.
Mfg. Co., mining picks, Phillipsburg, Pa.
Mfg. Co., piston rings, 8300 S. Chicago av, Chicago, Ill.
& Mulholland, masons' & bldrs.' matls., Jacksonville, Fla.
P. H., & Sons, machinists, 2 Lorraine, Brooklyn, N. Y.
Railway Supply Co., Peoria, Ill.
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Thos., Soap Co., 711 Kent av, Brooklyn, N. Y.
W. E., machsts. & fndrs., Lake Geneva, Wis.
n, H. C., mill & facty. supplies, Centralia, Wash.
n, M. M., elec. illuminated signs, 110 W. 34th, New York.
pie, J. W., canned goods, Bedford, Va.
Mfg. Co., tinware mfrs., 1423 W. 9th, Kansas City, Mo.
. Chambers Co., gaskets, pipe & boiler coverings (asbestos), tc., 66 N. Front, Portland, Ore.
, Edw., Dock, Dredge & Const. Co., contrs., Racine, Wis.
, Edw. E., Co., bldg. contrs. & dock bldrs., Wells Bldg., Milwaukee, Wis.
, Edw. G., dredging contrs., ft. Nock, Milwaukee, Wis.
, Louis, architect, 395 Broadway, New York.
, Campbell Co., contractors, 101 Park av, New York.
pie, Adam, contractor, Greenfield, Ind.
pie Bros. & Co., crude rubber, 11 B'way, New York.
pie & Carrel, architects, 1123 Broadway, New York.
pie, Chas. H., archit., 149 Broadway, New York.
ey City, N. J.
pie, D. L., & Co., lumber, Oliver Bldg., Pittsburgh, Pa.
pie & Daly, contractors, International Life Bldg., St. Louis, Mo.
pie, E. W., machy. dlrs., Knoxville, Tenn.
pie, Earl A., sash, door & blind mfrs., Ozone Park, N. Y.
pie Edw. Corp., clothes washing machy., 50 Church, New ork.
pie, G. Curtis, architect, 19 Liberty, New York.
pie, Jas., lumber mfr., North Tonawanda, N. Y.
pie, Jno., Lbr. Co., sash, door & blind mfrs, W. 22d & afiin, Chicago, Ill.
pie, L. C., & Sons, oils, 6 Fletcher, New York.
pie, Lowell, contractor, Danville, Ill.
pie Machine Co., stamping dies, Phipps Pr. Bldg., Pittsrgh, Pa.
pie Mfg. Co., machsts. & fndrs., 810 Brocket, Pittsburgh, Pa
pie, T. A., Co., contractors, 50 Church, New York.
pie, W. D., architects, Fargo, N. D.
Eaton & Squire, machinists, Lake City, Minn.
Building Supply Co., sash, door & blind mfrs., Gillett, is.
Canning Co., Gillett, Wis.
, Charles A., canned goods, Auburn Junction, Ind.
. E. A., & Sons, carriage rims, Charlestown, Boston, Mass.
e, C. H., bent wood, Indianapolis, Ind.
e Clipping Mach. Co., 129 W. 31st, New York.
e, Edwin F., architect, 8 S. Dearborn, Chicago, Ill.
e Elec. Street Clock Co., 728 Buckingham pl. Chicago, Ill.
e Light Projector Co., 10710 Clifton Blvd, Cleveland O.
e Motors Co., Mishawaka, Ind.
e Roller Bearing Co., factory trucks, Grand Rapids, Mich.
e Rubber Co., tires & tubes, 1834 B'way, New York.
e Safety Razor Co., 41 W. 1st, Boston, Mass.
e, Thurber J., architect, 811 Park, Syracuse, N. Y.
-Vibber Co., junction boxes, bushings, couplings, etc., New ondon, Conn.
n Coal & Coke Co., Lynchburg, Va.
Co., saddlery goods, Canton, Ohio.
Bros., bldg. contrs., 319 W. Stein, St. Louis, Mo.
Machine Co., boilers, tanks, etc., Tonawanda, N. Y.
Jas., & Sons, stone prod., 177 13th, L. I. City, N. Y.
er & Sons, chemical & druggists' glassware & engng. ec., State & Devereaux, Philadelphia, Pa.
ham, Frank C., & Son Co., lumber, Norris & Richmond, iladelphia, Pa.
ham, H. F., & Co., scrap iron, 1013 N. Front, Phila., Pa.
s, Peter, Co., stone, 737 E. 219th, New York.
ky, M., scrap rubber, Trenton, N. J.
Lbr. Co., sash, door & blind mfrs., Berne, Ind.
Chas. H., & Son, contractors, Battle Creek, Mich.
Co., lbr., 29 E. Madison, Chicago, Ill.

Gillis & Dashiell, canned goods, Quantico, Md.
Gillis & Geohegan, boiler feeders, hoists, 537 W. B'way, New York.
Gillis, Russell A., architects, Fairmont, W. Va.
Gilliuson & Carson, architects, Glencoe Bldg., Duluth, Minn.
Gillon, Edw. E., masons' & bldrs.' matls., 3944 Geary, San Francisco, Cal.
Gilman Canning Co., Gilman, Ia.
Gilman, J. W., & Son, contractors, 911 W. Clay, Richmond, Va.
Gilman Paint & Varnish Co., Chattanooga, Tenn.
Gilman, Roger, architect, Gloyd Bldg., Kansas City, Mo.
Gilman & Son, machsts, Springfield, Vt.
Gilman, Wm., tubular boilers, 1110 Beach, Philadelphia, Pa.
Gilman, Wm. D., Co., sulphide soda, 22 S. 3d, Philadelphia, Pa.
Gilmartin, Edw., & Sons, lumber mfrs., Ft. Wayne, Ind.
Gilmer, Alexr, Lbr. Co., Remlig, Tex.
Gilmer, L. H., Co., cotton belting mfrs., Cottman & Keystone, Phila., Pa.
Gilmore, A. L., structural engineer, Binghamton, N. Y.
Gilmore Bros., contractors, Toledo, Ohio.
Gilmore, D. M., Co., mill, facty., plumbers' supplies, jobbers, 515 S. 3d, Minneapolis, Minn.
Gilmore, Jas., architect, 802 Gerke bldg, Cincinnati, Ohio.
Gilmore-Puckett Co., fertz. mfrs., Amory, Miss.
Gilmore, R. E., Post, Tex.
Gilmore, S., calcined & wall plaster mfrs., Indian Falls, N. Y.
Gilmore Tube Scraper Wks., boiler cleaners, Buffalo, N. Y.
Gilmour, G. R. Howard, architect, 2415 Guilford av, Baltimore, Md.
Gilmour Hogshead Mach. Co., Owensboro, Ky.
Gilmour, J. A., pckg. box mfrs., 23 Bond, New York.
Gilpin, Chas., contractors, Harrison Bldg., Philadelphia, Pa.
Gilroy, Jas. J., tubular boilers, 347 39th, Brooklyn, N. Y.
Gilson Bros. Co., machsts. & fndrs., Fredonia, Wis.
Gilson, J. E., contractor, 180 Jessie, San Francisco, Cal.
Gilson Mfg. Co., machsts. & fndrs., Port Washington, Wis.
Gilson Slide Rule Co., Niles, Mich.
Gilsonite Contrg. Co., general contractors, Wainwright Bldg., St. Louis, Mo.
Giltmer & Lee, contrs., Pasadena, Cal.
Gimbel, Geo., & Co., Inc., enamels, paints & varnishes, 24 Stone, New York.
Gindele, Chas. W., Co., contractors, 3333 S. La Salle, Chicago, Ill.
Gingras, Edward F., belt dressing, 202 Main, Buffalo, N. Y.
Ginn Co., masons' & bldrs.' matls., Ironton, Ohio.
Ginn, E. R., sashes, doors & blinds, Varnville, S. C.
Ginn, I. L., & Co., fertilizer, Bowman, Ga.
Ginnold, Harold H., architect, Boston block, Seattle, Wash.
Ginns, H. L., Broom Corn Co., Wichita, Kan.
Ginsburg, Abraham, architect, 11 Bloomfield, Passaic, N. J.
Ginsburg, R. L., Sons Co., scrap iron, Dime Bank Bldg., Detroit, Mich.
Ginter-Wardein Co., sash, door & blind mfrs., Alton, Ill.
Ginther, Wm. P., architect, Everett Bldg., Akron, Ohio.
Ginther's, J., Sons Co., iron arch'l, Buffalo, N. Y.
Ginzburg, M., billiard tables, 134 Bowery, New York.
Ginzel, John, Co., dock bldrs., Buhl blk, Detroit, Mich.
Giometti Bros., cut glassware, Corning, N. Y.
Giordana, P., & Co., willow ware mfrs., 600 Paterson av, West Hoboken, N. J.
Giordanni & Co., granite, Quincy, Mass.
Giorla Giuseppe, architect, 19 Madeleine av, New Rochelle, N. Y.
Gipson Bros., sash, door & blind mfrs., Brandon, Vt.
Gipson Lumber Co., 405 Lbr. Ex., Minneapolis, Minn.
Gipson, W. A., masons' & bldrs.' matls., Upper Sandusky, Ohio.
Girard Canning Co., North Girard, Pa.
Girard Chemical Co., core oil, 24 Maurice, Buffalo, N. Y.
Girard Cornice & Roofing Co., 1022 Ridge, Philadelphia, Pa.
Girard Iron Co., blast furnaces, Girard, Ohio.
Girard Iron & Metal Co., scrap iron, E. York & Aramingo av, Philadelphia, Pa.
Girard Iron Works, fndrs., 22nd & Master, Philadelphia, Pa.
Girard Lumber Co., Menominee, Mich.
Girard Machine & Tool Co., 491 N. 3d, Philadelphia, Pa.
Girard Model Wks., Girard, Pa.
Girard Wrench Mfg. Co., Girard, Pa.
Girdletree Packing Co., Girdletree, Md.
Girnau Mfg. Co., cement mixers, Eau Claire, Wis.
Girrbach, Paul, cornices, St. Johns pl, Tompkinsville, N. Y.
Girtanner-Vavies Engng. & Contrg. Co., Chemical Bldg., St. Louis, Mo.
Girten Belting & Packing Co., Houston, Tex.
Girton & Perry, contrs., Logansport, Ind.
Gisholt Machine Co., machine tools, Madison, Wis.
Gisselbrecht & Sator, sash, door & blind mfrs., 2025 N. Mozart, Chicago, Ill.
Git Mfg. Co., soap, Westfield, Mass.
Githens, Alfred Morton, architect, 52 Vanderbilt av, New York.
Gits Brothers Mfg. & Specialty Co., oil cups, grease caps, oil hole covers, 1901 S. Kilbourne, Chicago, Ill.
Gits Elec'l Co., hand vacuum cleaners, 1121 Washington blvd, Chicago, Ill.
Gittner Coal & Supply Co., masons' & bldrs.' matls., Waukesha, Wis.
Gitzendanner Muller Co., machsts., 15 Vandewater, New York.
Giudici Bros. & Co., granite, Barre, Vt.

Given & Given, architects, Charleston, W. Va.
Given, R., & Son Co., harness mfrs., Sidney, Ohio.
Givens, G. O., canned goods, Buchanan, Va.
Givin, Herbert, Co., contrs., tools & supplies, 50 Church, New York
Givin, O. M. Constr. Co., Henven bldg, New Orleans, La.
Givinner, Joseph M., architect, 14 Mariner, Buffalo, N. Y.
G. & J. Tire Co., Indianapolis, Ind.
Glacier Metal Co., packing mfrs., Hull & 22d, Richmond Va.
Gladbrook Pressed Brick & Tile Co., Gladbrook, Ia.
Gladden, C. S., lumber, Memphis, Tenn.
Gladding, B. F., & Co., chalk lines, S. Otselic, N. Y.
Gladding, C. B., spokes, hubs (wagon), Geneva, Ohio.
Gladding, McBean & Co., clay products mfgrs., Crocker Bldg, San Francisco, Cal.
Glade, Henry, Milling Co., flour, Grand Island, Neb.
Glade, John, & Sons, contractors, Batavia, N. Y.
Glade Lbr. Co., Erwin, W. Va.
Glade Valley Milling Co., flour, Walkersville, Md.
Glader, Wm., machsts., 210 N. Ann, Chicago, Ill.
Gladfelter & Chambers, contractors, 36th & Roland av, Baltimore, Md.
Gladium Co., tool steel saws, drills, etc., 127 Duane, New York.
Gladstone Mattress Co., Huntington, W. Va.
Gladwin & Lane, masons' & bldrs.' matls., Westfield, Mass.
Gladys Canning Co., Gladys, Va.
Glaenzer & Co., electric magnets, 33 W. 34th, New York.
Glafey, F. A., Keenan Bldg., Pittsburgh, Pa.
Glaize Bros., saw mill & bldg. materials, Winchester, Va.
Glamorgan Pipe & Foundry Co., machsts. & fndrs., Lynchburg, Va.
Glander & Co., Inc., machy. dlrs., 615 B'way, New York.
Glandorf, C. H., contractor, 8th & Plum, Cincinnati, Ohio.
Glasby, J. F., Lbr. Co., 9 Badger av, Newark, N. J.
Glascock Bros. Mfg. Co., washing machines, children's carriages, Muncie, Ind.
Glaser, A., metal spinning, 61 Frankfort, New York.
Glaser Co., fertilizer mfrs., Plainfield, N. J.
Glaser-Crandell Co., canned goods, 2006 S. Western av, Chicago, Ill.
Glaser, Rohrer & Co., store fixtures, 502 E. 74th, New York.
Glaser & Schwartz, brewery archs., Cincinnati, Ohio.
Glaser, Wm. A., cornices & skylights, Covington, Ky.
Glasgow Canning Co., Glasgow, Mo.
Glasgow Clay Prod. Co., brick, Glasgow, Va.
Glasgow Iron Co., steel struct. mills, Pottstown, Pa.
Glasgow Iron Wks. & Supply Co., 28 West, New York.
Glasgow Milling Co., flour, Glasgow, Mo.
Glasow, Fred, agricultural implements, Fond du Lac, Wis.
Glass & Austin, architects, Grand Theatre bldg, Columbus, Ohio.
Glass Brick Co., brick mfrs., 1st Nat. Bk. Bldg., Cincinnati, O.
Glass & Butner, architects, Cory Bldg., Fresno, Cal.
Glass & Butner, architects, Hearst bldg, San Francisco, Cal.
Glass, J. E., Lumber Co., 1129 Plymouth Bldg., Minneapolis, Minn.
Glass, Jas. A., archl. iron, 167 Congress, Boston, Mass.
Glass, Robt., & Co., Troy, N. Y.
Glasscock Stove & Mfg. Co., Greensboro, N. C.
Glassford & Dodd, masons' & bldrs.' matls., 6th, Jersey City, N. J.
Glatfelter, P. H., Co., paper & pulp mills, Spring Grove, Pa.
Glatt, Jacob, cornices, 3640 Dickens av, Chicago, Ill.
Glauber Brass Mfg. Co., plumbers' goods, etc., 49th & Superior, Cleveland, Ohio. *See adv index at end of book*
Glauber, M., & Co., basin wrenches, traps, chains, washers, plugs, etc., 103 Varick, New York.
Glauber, Sam S., plumbers, mill & facty. supplies, jobbers, 242 E. 79th, New York.
Glaubitz, R. B., ties, poles & posts, Wittenberg, Wis.
Glaze, Robert, contractor, Humboldt Bk. Bldg., San Francisco, Cal.
Glazier Mfg. Co. (headlights), Rochester, N. Y.
Gleason, Frederick, contractor, Rochester, N. Y.
Gleason, J. L., & Co., electric drills, 241 Franklin, Boston, Mass.
Gleason, James, & Co., switches, 560 W. Monroe, Chicago, Ill.
Gleason Lumber Co., Van Wert, Ohio.
Gleason-Peters Co., screw mach. prod., etc., 384 Classon av, Brooklyn, N. Y.
Gleason, Thos. E., fourdrinier wire, cylinder molds, etc., E. Newark, N. J.
Gleason, Thos. Jay, baseball score bks., 1552 Bergen, Brooklyn, N. Y.
Gleason, Thos. L., architect, 45 Maiden la., Albany, N. Y.
Gleason-Tiebout Glass Co., bottles, arc lamps, etc., 93 Commercial, Brooklyn, N. Y.
Gleason, W. J., Co., contractors, Aitkin, Minn.
Gleason Wks., iron founders, gears, gear planers, etc., 2000 University av, Rochester, N. Y. *See adv index at end of book*
Gleckler, Fred, brick & tile, Oak Harbor, Ohio.
Gleckler, Geo., brick & tile, Elmore, Ohio.
Gledhill, A. C., sashes, doors & blinds, Galion, Ohio.
Gledhill, Chas. F., Co., chemical imp., 41 Park Row, New York.
Gledhill & Co., machy. dlrs., Bridgeport, Conn.
Gledhill Wall Paper Co., 541 W. 34th, New York.
Gleek, Albert, & Son, contractors, Paterson, N. J.
Gleenor, C. M., architect, Bowling Green, Ky.
Gleeson, William A., contr., Torrington, Conn.



Glen, Allen, Oil Mill, meal, Glen Allen, Miss.
Glen Alpine Milling Co., flour, Glen Alpine, N. C.
Glen, Blair Redwood Co., lumber, Monadnock Bldg., San Francisco, Cal.
Glen-Gery Shales Brick Co., Reading, Pa.
Glen Mfg. Co., sashes, doors & blinds, Glen Rock, Pa.
Glen Mills Paper Co., Stephen Girard Bldg., Philadelphia, P
Glen Raven Cotton Mills, awning stripes, Glen Raven, N. C.
Glen & Stiteler, power pumps, 421 N. 19th, Phila., Pa.
Glen Union Supply Co., lbr. mfrs., Pottsville, Pa.
Glen View Brick Co., common, Clarksburg, W. Va.
Glencairn Mfg. Co., shoe laces, Pawtucket, R. I.
Glencoe Cotton Mills, twine, Columbia, S. C.
Glencoe Fdry. & Machine Co., Glencoe, Minn.
Glencoe Granite Co., W. Quincy, Quincy, Mass.
Glencoe Lime & Cement Co., Syndicate Tr. Bdg., St. Louis, M
Glencoe Mills, cotton flannels, Burlington, N. C.
Glencoe Turpentine Co., New Smyrna, Fla.
Glendale Elastic Fabrics Co., elastic webbing, Easthampt Mass.
Glendale Lbr. Co., Glendale, Ore.
Glendale Mfg. Co., clothes line reels, & ice picks, 1 Madison New York.
Glenn Canning Co., Prospect, Va.
Glenn, Fred E., cast iron soil pipes & fittings, St. Charles, Ill.
Glenn, Hugh, & Co., masons' & bldrs.' matls., The Dalles, Ore
Glenn Lbr. Co., Ltd., Red Fish, La.
Glenn Mfg. Co., iron plumbing goods, St. Charles, Ill.
Glenn-Martin Co., aeroplanes & supplies, Los Angeles, Cal.
Glennie, John, soap, North Andover, Mass.
Glennon Estate, John, mill & facty. supplies, Dalton, Mass.
Glenny, Wm., Glass Co., fruit jar wrenches, 10 W. Commer Cincinnati, Ohio.
Glens Falls Brick Co., contrs., Glens Falls, N. Y.
Glens Falls Lantern Co., Glens Falls, N. Y.
Glens Falls Mach. Wks., Glens Falls, N. Y.
Glens Falls Portland Cement Co., Glens Falls, N. Y.
Glenshaw Glass Co., glass bottles, Glenshaw, Pa.
Glenside Core Oil Co., 138 S. 4th, Phila., Pa.
Glenside Woolen Mills, woolen carriage cloth, Skaneateles Fa N. Y.
Glenwood Lumber & Mfg. Co., Glenwood Springs, Colo.
Glenzer, J. C., Co., special machy., Detroit, Mich.
Glesenkamp, L. E., carriages, 319 Liberty, Pittsburgh, Pa.
Glessener, A. J. Co., whol. hdwe., 354 Howard, San F cisco, Cal.
Gleye Hardware Co., wholesale, Grand Rapids, Mich.
Glick, Harris, waste cotton & wool, Worcester, Mass.
Glick, Jacob, architect, 112 E. 6th, Newport, Ky.
Glick & Weitzel, contractors, Lorain, Ohio.
Glidden Co., paints, varnishes, etc., Madison av & Berea Cleveland, Ohio.
Glidden, Edw. H., architect, American bldg, Baltimore, M
Glidden Mfg. Co., butter printing & cutting machs., Beve Mass.
Glidden, W. L., ladders, 1035 Atlantic av, Brooklyn, N. Y.
Glidden, Wilmot, & Son, hand & power vacuum cleaners, Park, Ill.
Glide Road Machine Co., 501 S. E. Huron, Minneapolis, Minn
Gliesman, F., contr., Hinsdale, Ill.
Globe Automobile Sprinkler, 2035 Washington av, Phila., Pa
Globe Body Co., automobile bodies, Fostoria, Ohio.
Globe Boiler Compound Co., Binghamton, N. Y.
Globe Brass Fndry., 60 Elm, Cincinnati, Ohio.
Globe Brass Mfg. Co., machsts. & fndrs., 5532 Perkins ct, N Cleveland, Ohio.
Globe Bldg. Co., contractors, 443 Broad, Newark, N. J.
Globe Bldg. Co., contractors, 756 S. B'way, Los Angeles, Ca
Globe Canning Co., Eastport, Me.
Globe Casket Mfg. Co., Kalamazoo, Mich.
Globe Chemical Co., battery chemicals, 1135 Regent av, cinnati, Ohio.
Globe Co., agrl. implts., emery grinders, saw machy., etc., boygan, Wis.
Globe Cotton Mills, Augusta, Ga.
Globe Counter Co., Haverhill, Mass.
Globe Decalcomanie Co., 263 Sussex, Newark, N. J.
Globe Dredging Co., Savannah, Ga.
Globe Ear Phone Co., audiphones, 88 Tremont, Boston, Mas
Globe Elec. Co., machsts., 6340 Stony Island av, Chicago,
Globe Elec. Co., storage batteries, 195 B'way, Milwaukee, W
Globe Fertilizer Co., Louisville, Ky.
Globe Foundry & Machine Co., Globe, Ariz.
Globe Foundry & Machine Works, Niles, Ohio.
Globe Furniture Co. (Ltd.), Northville, Mich.
Globe Gas Light Co., gasoline, alcohol & kerosene specialtie Union, Boston, Mass.
Glabe Grain & Milling Co., 913 E. 3d, Los Angeles, Cal.
Globe H'dwe Co., wholesale hardware, Globe, Ariz.
Globe Inventing Co., grinders, 4877 N. Hermitage av, Chi Ill.
Globe Iron Co., blast furnaces, Jackson, Ohio.
Globe Iron Fndry. Co., Johnstown, Pa.
Globe Iron & Metal Co., scrap iron & rubber, 116 Key way, Baltimore, Md.
Globe Iron Roofing & Corrugating Co., Newport, Ky.
Globe Iron Wks., Duluth, Minn.

obe Iron Wks., fndrs., Erie, Pa.
obe Iron Wks., machsts. & fndrs., Sacramento, Cal.
obe Iron Wks., machsts. & fndrs., Tacoma, Wash.
obe Jewelry Case Co., 127 Spring, New York.
obe Leather Belting Co., 519 Atlantic av, Boston, Mass.
obe Lumber Co., Globe, Wash.
obe Mach. & Fdry. Co., Tackawana & Church, Fkd., Phila., Pa.
obe Machine & Stamping Co., 1250 W. 76th, Cleveland, Ohio.
obe Machy. & Supply Co., Des Moines, Ia.
obe Malleable Iron & Steel Co., 101 Greenway av, Syracuse, N. Y.
obe Mfg. Co., machsts., Battle Creek, Mich.
obe Mfg. Co., towels, Gaffney, S. C.
obe Mfg. Co., screw & washing machs., Perry, Ia.
obe Mfg. Co., paint & varnish mfrs., Peoria, Ill.
obe Mattress Mfg. Co., 145 North, Boston, Mass.
obe Metal Co., fndrs., 1970 Clybourn av, Chicago, Ill.
obe Milling Co., flour, Watertown, Wis.
obe Motor Truck Co., Brady av, East St. Louis, Ill.
obe Nickel Plating Co., 15 Chardon, Boston, Mass.
obe Optical Co., goggles, 403 Washington, Boston, Mass.
obe Packing Box Co., Washington & I. C. R. R. crossing, New Orleans, La.
obe Paper Box Co., 223 W. Huron, Chicago, Ill.
obe Paper Co., Evansville, Ind.
obe Polish Co., metal polish, Lincoln, N. J.
obe Porcelain Co., Trenton, N. J.
obe Pressed Brick Co., Ferris, Tex.
obe Razor Co., Fremont, Ohio.
obe Refining Co., lubricating oils, 934 Rose Bldg., Cleveland, O.
obe Register Co., 2412 Reading rd, Cincinnati, Ohio.
obe Rubber Tire Mfg. Co., Trenton, N. J.
obe Rubber Works, Inc., mill & facty. supplies, 45 High, Boston, Mass.
obe Seamless Steel Tubes Co., People's Gas Bldg., Chicago, Ill.
obe Shipbldg. Co., Superior, Wis.
obe Silk Works, thread, New Haven, Conn.
obe Smoking Pipe Co., Cortland, N. Y.
obe Soap Co., glycerine, etc., United Bank Bldg., Cincinnati, O.
obe Steam Boiler & Iron Wks., 349 Eddy, Providence, R. I.
obe Steel Co., steel chilled shot, Mansfield, Ohio.
obe Stove & Range Co., elec. cooking app., Kokomo, Ind.
obe Supply & Machine Co., 627 S. Peters, New Orleans, La.
obe Ticket Co., 112 N. 12th, Philadelphia, Pa.
obe Trimming & Button Co., 149 W. 23d, New York.
obe Ventilator Co., Troy, N. Y.
obe Vise & Truck Co., Grand Rapids, Mich.
be-Wernicke Co., office equipment, 25 Carthage av, Cincinnati, Ohio.
obe Wire Co. (Ltd.), rods—drill, Sharpsburg, Pa.
obe Wire & Iron Wks., Atkinson av, Milwaukee, Wis.
be Woven Belting Co., 1398 Clinton, Buffalo, N. Y.
ckner, Alexander M., cornices & skylights, Portsmouth, Ohio
ekler, Bernard, Co., butchers' machy. & supplies, 1127 Penn av, Pittsburgh, Pa.
gau & Co., mfrs. of specialties, 466 Dickey bldg, Chicago, Ill.
kner & Blue Co., tinsmiths' supplies, 2474 3rd av, New York.
ninger & Co., front brick, Arrott Bldg., Pittsburgh, Pa.
r Bros. & Willis Mfg. Co., stalls, machsts., Attica, N. Y.
ria Light Co., gasoline lamps, 1100 Wash. blvd. Chicago, Ill.
ria Mfg. & Supp. Co., pipe, cement, 354 W. 17th, New York.
ster Lbr. Co., Gloster, Miss.
ucester Block Co., mfrs. tackle blocks & marine fittings, Gloucester, Mass.
ucester Isinglass & Glue Co., Gloucester, Mass.
ucester Lbr. Co., Rosman, N. C.
ucester Net & Twine Co., Gloucester, Mass.
ucester Oiled Clothing Co., Gloucester, Mass.
ve Creek Canning Co., Montvale, Va.
ve Varnish Co., 6125 Butler, Pittsburgh, Pa.
ver Bros., machsts. & fndrs., Paul & Vandyke, Phila., Pa.
ver, Geo. J., contractor, 1022 Whiting, New Orleans, La.
ver, H. W., wood handles, West Millbury, Mass.
ver, Horatio N., & Son, gum substitutes, Mattapan, Boston, Mass.
ver, J. G., architect, 222 Navy, Brooklyn, N. Y.
ver Machine Works, Marietta, Ga.
ver, W. G., architect, Topeka, Kan.
ver, W. H., Co., masons' & bldrs.' matls., Rockland, Me.
versville Auto Glove Co., Gloversville, N. Y.
versville Knitting Co., knitted gloves, Gloversville, N. Y.
versville Silk Mills, knitted gloves, Gloversville, N. Y.
wacki, John B., Co., cornices, 1440 W. 47th, Chicago, Ill.
yd, James R., Co., contrs., Hipp. Annex Bldg., Cleveland, O.
croft & Glucroft, architects, 729 Flushing av, Brooklyn, N. Y.
nz Saddlery Co., Fort Scott, Kans.
nn Canning Co., Brunswick, Ga.
sson, Eugene C., granite, Barre, Vt.
iner, C., brick, Waupaca, Wis.
i Mfg. Co., mine safety devices, Apollo Bldg., Pittsburgh, Pa.
i Sales Corp., copy holders, Monadnock Bldg., San Fran., Cal.
d Water Filter & Purifier Mfg. Co., Allentown, Pa.
t, Fred, Co., book binders' machy., 10 Reade, New York.
le, Floyd S., contractor, Port Jervis, N. Y.
le, Frank N., contractor, 1 E. 42d, New York.

Goble, J. H., & T. C., ship bldrs., Oswego, N. Y.
Goby Engine Co., machsts., Cleveland, Ohio.
Godart, Jules, architect, 328 Montgomery, San Francisco, Cal.
Godbeer, Hy., granite, Fitchburg, Mass.
Godby, W. H., & Bro., cornices & skylights, Harrison, N. J.
Godchaux Brick Co. (Ltd.), Abbeville, La.
Goddard & Co., flour mills, Estill Springs, Tenn.
Goddard, F. A., & Co., shoe counters, Lynn, Mass.
Goddard, F. H., masons' & bldrs.' matls., 520 Franklin, Detroit, Mich.
Goddard, Fred A., architect, Plymouth, Mass.
Goddard & Goddard, milling cutters, 914 Hastings, Detroit, Mich.
Goddard, John E., machsts. & fndrs., Spencer, Mass.
Goddard Packing Co., canned goods, Ogden, Utah.
Goddard, Simon, architect, Sheridan, Wyo..
Goddard Tool Co., cutters, jigs, gauges, etc., 351 W. Chicago, Chicago, Ill.
Goddard, Vallis V., contractor, Holyoke, Mass.
Goddard, Wm. M., architect, Cohoes, N. Y.
Godel, E., & Sons, meat packers, Peoria, Ill.
Godfrey, B. C., & Sons, masons' & bldrs.' matls., Elkhart, Ind.
Godfrey & Bolger, roll coverers, textile machy., Adams, Mass.
Godfrey, Chester N., architect, 15 Beacon, Boston, Mass.
Godfrey, E. E., machsts. & fndrs., Ithaca, N. Y.
Godfrey, E. J., Co., tex. machy., roll coverers, No. Adams, Mass.
Godfrey, G. R., harness, saddles & strap wk., Gardner, Mass.
Godfrey, H. M., agricultural implements, Jonesburg, Mo.
Godfrey, J. H., contr., Equality, Ill.
Godfrey, Jas. A., & Co., bldg. contrs., Wainwright Bldg., St. Louis, Mo.
Godfrey, John F., coal conveying machy., Elkhart, Ind.
Godfrey-Keeler Co., mill & facty. supplies, engines, boilers, etc., 70 Warren, New York. *See adv index at end of book.*
Godfrey, L. N., Co., lumber, 60 Congress, Boston, Mass.
Godfrey Packing Co., canned goods, Benton Harbor, Mich.
Godkin, John, lbr. mfrs., Bay City, Mich.
Godley, Fredk. A., architect, 15 E. 40th, New York.
Godley & Haskell, architects, 244 Madison av, New York.
Godley, S. S., architect, Neave Bldg., Cincinnati, Ohio.
Godley & Sedwick, architects, 244 Madison av, New York.
Godsey & Fry, armature rewinding, Richmond, Va.
Godwin, Alfred, glass stainers, 2217 Chestnut, Philadelphia, Pa.
Godwin Constr. Co., 251 4th av, New York.
Goebel, J., & Co., clays, crayons, etc., 129 Maiden la, New York.
Goebert, John, willow ware mfrs., 127 Church, Phila., Pa.
Goecke, Jos., brick, Maria Stein, Ohio.
Goedde, B. & Co., lbr. mfrs., Weber & Illinois av, East St. Louis, Ill.
Goehner, Chas., archl. iron, Racine, Wis.
Goelitz, Henry G., contractor, Oak Park, Ill.
Goeller, Chas., Constr. Co., 45 Clinton, Newark, N. J.
Goeller, H. R., fndr., 406 Frelinghuysen av, Newark, N. J.
Goeller, J. F., & Son, sashes, doors & blinds, Klamath Falls, Ore.
Goeller's, M. G., Sons, corn brooms, Circleville, Ohio.
Goepel, C. F., & Co., felt, gaskets & washers, 137 E. 13th, New York.
Goepper, Fred, masons' & bldrs.' matls., N. Michigan & C. I. & W. R. R., Indianapolis, Ind.
Goeppinger, L. & H., horse collars, Boone, Ia.
Goertz, Aug., & Co., metal nov. & spec., 276 Morris av, Newark, N. J.
Goerz, C. P., Am. Optical Co., cameras, etc., 317 E. 34th, New York.
Goes Lithographing Co., calendar pads, 42 W. 61st, Chicago, Ill.
Goes, Oscar, & Co., saws, knives, 1822 W. Lake, Chicago, Ill.
Goesse & Remmers Bldg. & Constr. Co., 805 Cass av, St. Louis, Mo.
Goessling, Wm. F., Box Co., Blair av & Mullanphy, St. Louis, Mo.
Goethe Lumber Co., Sapp, Fla.
Goethel, Alex. G., cornices, 815 Winnebago, Milwaukee, Wis.
Goethel, Alfred C., Co., ventilators, 301-303 4th, Milwaukee, Wis.
Goetjen & Workman, canned goods, 906 Webster, San Francisco, Cal.
Goetsch & Son, machsts. & fndrs., Naperville, Ill.
Goette, Rudolph F. A., machst., Rochester, N. Y.
Goetter & Hillman, contrs., Oaks Park, Ill.
Goettmann, O. J. transformers, 525 Ohio, Pittsburg, Pa.
Goetz Brass Co., plumbers' supp., 630 N. Franklin, Chicago, Ill.
Goetz Box Anchor Co., New Albany, Ind.
Goetz, Chas., & Co., wire springs, 2548 S. Kedzie av, Chicago, Ill.
Goetz-Coleman Mfg. Co., machsts. & fndrs., New Albany, Ind.
Goetz Co., architects, Yankton, S. Dak.
Goetz Const. Co., Yanktown, S. D.
Goetz Pressed Brick Co., New Albany, Ind.
Goetze Gasket & Packing Co., New Brunswick, N. J.
Goetzman, H. W., sash, door & blind mfrs., Rochester, N. Y.
Goff, D., & Sons, car plush, tapes, braids, etc., Pawtucket, R. I.
Goff, E. W., masons' & bldrs.' matls., Cumberland Mills, Me.
Goff, Garner T., contractor, Atlantic City, N. J.
Goff, Jas. C., Co., masons' & bldrs.' matls., 31 Point, Providence, R. I.

Goff-Kirby Coal Co., masons' & bldrs.' matls., Electric Bldg., Cleveland, Ohio.
Goff Lumber Co., Wilkes-Barre, Pa.
Goff, T. J., machst., Arcadia, La.
Goff, W. H., masons' & bldrs.' matls., Broadway, Ohio.
Goffin & Zeifang, gas engines, Niagara Falls, N. Y.
Gogebic Steam Boiler Wks., Duluth, Minn.
Gogel Mfg. Co., heaters, Toledo, Ohio.
Goggin Constr. Co., Arcola, Ill.
Goggin, Patrick, contrs., Fredonia, N. Y.
Gohde Nov. Co., advtg. spec., Virqua, Wis.
Goheen Corp., paints, 25 W. 43d, New York.
Gohl, Christian, & Sons, carriages, Williamsport, Pa.
Gohmann Bros. & Kahler Co., machsts. & fndrs., New Albany, Ind.
Goiler, Chas. H., sash, door & blind, Hicksville, Ohio.
Going Mfg. Co., pearl buttons, Amsterdam, N. Y.
Gokey, Wm. J., & Co., dry docks, Erie Basin, Brooklyn, N. Y.
Golbert Last Co., wooden shoe lasts, Worcester, Mass.
Golbranson & Co., granite, S. Quincy, Quincy, Mass.
Gold Bar Lbr. Co., Gold Bar, Wash.
Gold Bros. Brick Co., Big Stone City, S. D.
Gold Car Htg. & Lighting Co., 17 Battery pl, New York.
Gold Coin Stove Co., Troy, N. Y.
Gold Coin Stove & Fdy Co., grey iron castings, sewer inlets, etc., Albany, N. Y.
Gold Medal Camp Furn. Mfg. Co., Racine, Wis.
Gold Medal Polish Co., floor & furniture polish, etc., Racine, Wis.
Gold Medal Waterproofing Co., East Oakland, Cal.
Gold, P., & Co., masons' & bldrs.' matls., Elizabeth, N. J.
Gold, Walter C., belt dressing, emery wheel mfrs., 235 Race, Philadelphia, Pa.
Goldbar Lumber Co., Goldbar, Wash.
Goldberg, Adolph, architect, 354 State, Brooklyn, N. Y.
Goldberg, Carl I., architect, 437 B'way, Bayonne, N. J.
Goldberg, Chas. H. & E. S., whol. h'wre, 114 Reade, New York.
Goldberg-Davidson & Co., buttons, 1161 B'way, New York.
Goldberg Display Fixtures Co., 135 W. 23d, New York.
Goldberg, E., Iron Works, 165 W. Kinney, Newark, N. J.
Goldberg, J., & Son, steel struc. wk., 7500 Independent av, Kansas City, Mo.
Goldberg & Kavadlo, arch'l iron, 245 E. 110th, New York.
Goldberg Ozone Mach. Co., generators, Indianapolis, Ind.
Goldberger & Greisen, architects, Perth Amboy, N. J.
Goldblatt, H., Tool Co., 213 E. 15th, Kansas City, Mo.
Goldcamp Bros. & Co., masons' & bldrs.' matls & wholesale h'wre, Ironton, Ohio.
Goldcamp Mill Co., flour, Ironton, Ohio.
Golden-Anderson Valve Specialty Co., Fulton Bldg., Pittsburgh, Pa.
Golden-Belknap & Swartz Co., machsts., 1248 Grand River av W, Detroit, Mich.
Golden Belt Mfg. Co., cloth, hosiery, bags, etc., Durham, N. C.
Golden & Crick, contractors, 3512 5th av, Pittsburgh, Pa.
Golden Eagle Milling Co., flour, Petaluma, Cal.
Golden Elevator & Mill Co., cereal foods ,Golden, Ill.
Golden Fire Brick Co., Denver, Colo.
Golden Gate Brass & Mfg. Co., fndrs., 48 Tehama, San Francisco, Cal.
Golden Gate Mfg. Co., brewers' mchy., 9 Desbrosses, New York.
Golden Gate Packing Co., San Jose, Cal.
Golden Hdwe. Co., mill & facty. supplies, Tifton, Ga.
Golden Novelty & Brush Co., medicine cabinets, lamps, racks, etc., Goshen, Ind. (tr)
Golden, P., & Son, brick, Catskill, N. Y.
Golden Rule Cutlery Co., advtg. nov., 212 N. Sheldon, Chicago, Ill.
Golden State Asparagus Co., canned, 16 California, San Francisco, Cal.
Golden State Canning Co., Ontario, Cal.
Golden State & Miners' Iron Wks., 249 1st, San Francisco, Cal.
Golden State Portland Cement Co., 112 W. 9th, Los Angeles, Cal.
Golden West Motors Co., Sacramento, Cal.
Golden West Plating Wks., electro plating, 131 Mission, San Francisco, Cal.
Goldenblum, Wm., & Co., whol. h'dwe, 17 Murray, New York.
Goldendale Garage, machsts., Goldendale, Wash.
Goldendale Milling Co., feed mill, Goldendale, Wash.
Golden's Foundry & Machine Co., Columbus, Ga.
Goldfein, E. H., architect, Reserve Trust Bldg., Cleveland, Ohio.
Goldhammer, Albert, architect, 32 Union sq, New York.
Goldie, Robert, Co., contractors, 19 S. La Salle, Chicago, Ill.
Goldie, Wm., Jr., lbr. mfrs., Bay City, Mich.
Golding Mfg. Co., machsts. & fndrs., Franklin, Mass.
Golding Sons Co., potters' supplies, feldspar miners, Trenton, N. J.
Goldingay Bros. Co., sash, door & blind mfrs., 88 E. Kinney, Newark, N. J.
Goldman, A., masons' & bldrs.' matls., Victoria, Tex.
Goldman, A., & Co., scrap iron & steel, 2580 W. Jefferson, Detroit, Mich.
Goldman, Philip, plate glass, 36 E. 9th, New York.
Goldmark, Jas., Co., staples, brushes, compounds, 81 Warren, New York.
Goldner, David, architect, Highland Bldg., Pittsburgh, Pa.



Goldner & Goldberg, architects, 391 E. 149th, New York.
Goldner, Henry, Boiler & Tank Works, Water & Muffin, Pl delphia, Pa.
Goldner, Jacob, architect, 823 E. 165th, New York.
Goldrich, Phillip, architect, 326 E. 98th, New York.
Goldrick, Philip, brick, Kingston, N. Y.
Goldsboro Lumber Co., Dover, N. C.
Goldschmidt, M., & Co., machsts., 542 S. Clark, Chicago, Il
Goldsmith Bros. Smelting & Refining Co., Heyworth Bl Chicago, Ill.
Goldsmith, C. A., brass fndr., 270 Thomas, Newark, N. J.
Goldsmith & Chatfield, contractors, 672 W. Main, Waterb Conn.
Goldsmith, Franklin, & Son, contractors, Catasauqua, Pa.
Goldsmith, Goldwin, architect, 306 Marvin Hall, Lawre Kan.
Goldsmith, L., & Son, hdwe. mfrs., Cherry, Newark, N. J.
Goldsmith Metal Lath Co., 53 Central av, Cincinnati, Ohio.
Goldsmith, N. W., lbr., Chester, N. H.
Goldsmith, Stern & Co., sewing thimbles, 33 Gold, New Yor
Goldsmith & Tuthill, masons' & bldrs.' matls., Cutchogue, N
Goldsmith's, P., Sons, base ball mfrs., etc., John, Findla Charlotte, Cincinnati, Ohio.
Goldstein Bros., elect. & gas light fixtures, Indianapolis, In
Goldstein, Eli W., architect, Mutual Life bldg, Buffalo, N.
Goldstein Eng. Co., fire alarms, 45 Maiden la., New York.
Goldstein, I. J., Co., architects, Ohio Bldg., Akron, Ohio.
Goldstein, Irwin, contractor, Plymouth Bldg., Minneap Minn.
Goldstein, Jos. (Est. of), washboards, 323 Pearl, New York.
Goldstein, Louis, plate glass, 231 Bowery, New York.
Goldstein, Molse H., architect, Title Guarantee Bldg., Orleans, La.
Goldstein's, L., Sons, scrap brass, iron & steel, Allegheny Richmond, Philadelphia, Pa.
Goldstone, Jos., horse & coat hair, 335 B'way, New York.
Goldstone, Lafayette, architect, 512 5th av, New York
Goldstone, Tobias, architect, 299 B'way, New York.
Goldwaite, C. D., contractor, Marsh-Strong Bldg., Los Ang Cal.
Goldwater, J. M., scrap rubber, 943 N. American, Philadelp Pa.
Goll, John, & Co., building contractors, 1539 Filbert, Phila phia, Pa.
Golley & Finley Iron Wks., machsts & fndrs., Lima, Ohio.
Gollmar, E. T., machsts. & fndrs., Baraboo, Wis.
Gollner, Phillip, Co., plumbers', mill & facty. supplies, W. & Archer av, Chicago, Ill.
Golucke, C. H. & Son, masons' & bldrs.' matls., Crawfordv Ga.
G. & O. Mfg. Co., airplane radiators, New Haven, Conn.
Gomber, John, mill & facty. supplies, Frederick, Md.
Gompert, Wm. H., architect, 171 Madison av, New York.
Gomperts, Chas. W., contractors, 503 Market, San Franc Cal.
Gomph, Hy. G., & Co., hdwe. mfrs., Albany, N. Y.
Gondert & Lienesch, packing box mfrs., Dayton, Ohio.
Gong Bell Mfg. Co., East Hampton, Conn.
Gonnell, A., architect, 74 Cutler, Newark, N. J.
Gonnerman, A. W., elec, contrs., 336 S. B'way, Los Ang Cal.
Gonsalves, R. L., contr., Hubbard Wood, Ill.
Gonser, Jno. R., lumber, Kutztown, Pa.
Gonzales Cotton Mill Co., Gonzales, Tex.
Gonzales Cotton Oil & Mfg. Co., meal, Gonzales, Tex.
Gonzalez, Andres, beeswax, crude rubber, 82 Pine New Yor
Goo & Hopkins, lumber, machy., Delevan, N. Y.
Gooch, Arthur M., mchsts. & fndrs., Newton Center, Mass.
Gooch-Edenton Hardware Co., Jackson, Tenn.
Gooch Milling & Elevator Co., flour, Lincoln, Neb.
Good Bros., brick, South English, Ia.
Good Bros. Leather Co., 142 Frelinghuysen av, Newark, N
Good, Charles, architect, Grand Island, Neb.
Good & Craft, elec. light fix. mfrs., 514 N. Eutaw, Baltin Md.
Good, Geo. S., Fire Brick Co., Patton, Pa.
Good, J. R., & Co., sash, door & blind, Colfax, Wash.
Good, James, soap, 939 N. Front, Philadelphia, Pa.
Good & Lee, contractors, Frankfort, Ind.
Good Mfg. Co., ins. tape, 160 N. Wells, Chicago, Ill.
Good Mfg. Co., pipe straps, tank balls, etc., 305 E. 134th, York.
Good Pine Lumber Co., Goodpine, La.
Good Roads, trade publication, 11 Waverly pl, New York.
Goods Roads Constr. Co., Galveston, Tex.
Good Roads Machy. Co., Kennett Square, Pa.
Good Tool & Supply Co., mill, factory & steamfitters' supp Lima, Ohio.
Goodale Co., machsts. & fndrs., Kalamazoo, Mich.
Goodall Hammock Co., Westbrook, Me.
Goodall, J. B., & Sons Co., masons' & bldrs.' matls. & co
Goodall Rubber Co., 11th & Race St., Philadelphia, Pa.
Goodbody, Wm., envelopes, 505 W. B'way, New York.
Goode, L. M., Lbr. Co., Springfield, Ohio.
Goodell, J. H., & Son, machsts., Marseilles, Ill.
Goodell Mfg. Co., boring tools, machsts., Greenfield, Mass.

dell-Pratt Co., 2000 kinds of carpenters' and machinists' hand tools, Greenfield, Mass.
dell Co., agricultural implements, Antrim, N. H.
dell Granite & Marble Co., Burlington, Vt.
le, R. L., canned goods, Buchanan, Va.
le, W. P., Brush Co., 136 North, Boston, Mass.
le Canning Co., Henry, Va.
lell, Skiles Lumber Co., Chandlerville, Ill.
lell Tool Co., machsts. & fndrs., Shelburne Falls, Mass.
lell, Zina, mill & facty. supplies, Salem, Mass.
lenow-Brookfield Knitting Co., sweaters, cardigans, etc., 420 B'way, Kansas City, Mo.
lenow & Ginn, contractors, 520 Penobscot, Detroit, Mich.
lfarb, Chas., elec. & gas light fixtures, 219 Grand, New York.
lfellow, Irving, archt., Boston Bldg., Salt Lake City, Utah.
lfellow, J. P., can salting machines & transfer cars, Blaine, Wash.
lfellow's, W. H., Sons, wholesale hdwe., Altoona, Pa.
lhue, Bertram G., architect, 2 W. 47th, New York.
lin, R. G., brick, Lebanon, Ky.
lin, Reid & Co., cloth, 4th & Main, Cincinnati, Ohio.
ljohn Sash & Door Co., Leavenworth, Kans.
lland Cypress Co., lumber, Hibernia Bldg., New Orleans, & Chacahoula, La.
llander, Geo. W., contrs., Mass. Bldg., Kansas City, Mo.
lander Milling Co., flour, Fort Scott, Kans.
lander-Robertson Lumber Co., Memphis, Tenn.
latte & Sons, oil cloth mfrs., Delowanna, N. J.
lin, J. O., Son & Co., masons' & bldrs.' matls., Toronto, O.
line Mfg. Co., index cards & brackets, Kent, Ohio.
man, Benj. J., architect, Baton Rouge, La.
man Contracting Co., 263 E. 133d, New York.
man, E. & Co., contrs., La Salle, Ill.
Peru, Ind.
man Engine & Machine Co., machsts. & fndrs., S. 15th & Muriel, Pittsburgh, Pa.
man & Gavin, pckg. box mfrs., 248 Metropolitan av, Brooklyn, N. Y.
man, John, contractor, 2133 Florence av, Cincinnati, Ohio.
man, K. S., Co., lbr., 80 E. Jackson blvd, Chicago, Ill.
man, K., & Son, cornices, Chester, Pa.
man Lumber Co., Goodman, Wis.
man Machine & Tool Co., variable speed transmission, 50 Church, New York.
man Mfg. Co., mining machy., Halsted & 48th pl, Chicago, Ill.
man, W. A., fndrs., Waterloo, Ia.
man, W. W., contractor, Canton, Ohio.
miller, Preston V., architect, Stockton, Ill.
ner Pump & Mfg. Co., Rocky Ford, Colo.
now & Blake Mfg. Co., carbureter floats, 4th & Porter, Detroit, Mich.
now, E. J., lbr., Parkhill, N. H.
now, L. H., Foundry Co., emery grinders, fly wheels, etc., Fitchburg, Mass.
pasture & Tenison, harness, saddles, etc., Nashville, Tenn.
rich, A., Inc., emery & corundum wheels, 1500 Madison, Chicago, Ill.
rich, B. F., Co., rubber belting, Akron, Ohio, and Broad & Spring Garden, Philadelphia, Pa.
rich, B. F., Rubber Co., belting mfrs., 1925 Michigan av, Chicago, Ill.
rich, C. E., stone, Auburn, N. Y.
rich, Chas. W., brick, Wheatland, Wyo.
rich & Clark, architects, Augusta, Ga.
rich & Goodrich, architects, Abingdon Bldg., Portland, Ore.
rich, H. M., saws, Bellingham, Wash.
rich, J. F., & Co., carriages, New Haven, Conn.
rich, W. J. See Walter, W. H. Lbr. Co. (successor).
rich, W. S., brick, Epping, N. H.
rich, Wm., & Co., linseed oil & cake mills, 30th & Hopkins, Milwaukee, Wis.
rum, John W., contractor, Seguin, Tex.
rell, B. J., Hdw. Co., cornices & skylights, Ludington, Mich.
rell Mfg. Co., sashes, doors & blinds, Toledo, Ohio.
speed Machine Co., Winchendon, Mass.
rell Elec. Co., htg. pads, 59 E. Van Buren, Chicago, Ill.
rillie Bros., packing box & box shooks mfrs., 10 La Salle, Chicago, Ill.
rillie, D. M., Co., packing box mfrs., 22d & Allport, Chicago, Ill.
ru-Bradley Pattern Co., 227 Eddy, Providence, R. I.
rin Bros., common brick, Minonk, Ill.
rin Bros. Pottery Co., Elmwood, Conn.
rin, Bullard & Woolsey, architect, 4 E. 39th, New York.
rin, C. E., & Sons, woolen blankets, Cumberland Gap, Tenn.
rin Car & Mfg. Co., Inc., 17 Battery Pl, New York.
rin, E. S., architect, 29 Weybosset, Providence, R. I.
rin, F. C., cornices, 5556 Arch, Philadelphia, Pa.
rin-Gallagher Sand & Gravel Corp., 61 B'way, New York.
rin, J. C., underwear folding & cutting machs., 2d & Dia mond, Philadelphia, Pa.
rin, John A., brick, 27th & Tioga, Philadelphia, Pa.
rin, L. B., canned gds., Olaf, Va.
rin, L. P., wood handles, Erin, Tenn.
rin Lumber Co., Pleasant Lake, Ind.

Goodwin Mfg. Co., plumbers' candles, 3332 Chouteau, St. Louis, Mo.
Goodwin & Mitchell, contractors, Brookline, Mass.
Goodwin Preserving Co., canned goods, Louisville, Ky.
Goodwin Tile & Brick Co., Des Moines, Ia.
Goodyear, A. B., binders—lumber, load, Bloomdale, Ohio.
Goodyear Bros., masons' & bldrs.' matls., Carlisle, Pa.
Goodyear, C. A., Lumber Co., Tomah, Wis.
Goodyear Cotton Mills, tire fabrics, Killingly, Conn.
Goodyear Lbr. Co., Marine Nat. Bank Bldg., Buffalo, N. Y.
Goodyear Redwood Co., Elk, Cal.
Goodyear Rubber Co., fire extinguishers, rubber belting, hose, packing, 539 Mission, San Francisco, Cal.
*See adv index at end of book*
Goodyear Rubber Co., 787 B'way, New York.
Goodyear Rubber Hose & Packing Co., belt dressing, 241 Chestnut, Philadelphia, Pa.
Goodyear Rubber Insulating Co., 105 E. 131st, New York.
Goodyear Tire & Rubber Co., Akron, Ohio.
Goodyear's Metallic Rubber Shoe Co., Naugatuck, Conn.
Googins & Clark, bldg. contrs., Portland, Me.
Goold & Johns, elec. contrs., Stockton, Cal.
Gooley & Edlund, machsts., Cortland, N. Y.
Gooley, W. F., cornices, 1911 W. Fayette, Syracuse, N. Y.
Gopher Envelopes Co., 500 S. 5th, Minneapolis, Minn.
Gopher Hardware Co., 212 N. 1st, Minneapolis, Minn.
Gordon, A. D., heaters, 231 Franklin, Buffalo, N. Y.
Gordon, Balch & Lippert, architects, Madison, Wis.
Gordon Bros., cotton waste, Hazardville, Conn.
Gordon Bros., curled hair, Pierce & Orthodox, Philadelphia, Pa.
Gordon, Chapman Co., mattresses, 1245 W. 14th pl., Chicago, Ill.
Gordon Engg. Corpn., dryers, 39 Cortlandt, New York.
Gordon, Franklin, architect, Charlotte, N. C.
Gordon, G. W., contractor, 166 11th, Portland, Ore.
Gordon, H. W. (Est. of), stencils, Lynn, Mass.
Gordon-Hauss-Folk Co., flour, St. Marys, Ohio.
Gordon Hollow Blast Grate Co., Greenville, Mich.
Gordon, J. P., Co., tire covers, etc., Columbus, Ohio.
Gordon, J. Riley, architect, 507 5th av, New York.
Gordon, Jas. L., cornices, Lowell, Mass.
Gordon, L. S., pea pickers, Elizabeth City, N. C.
Gordon-Lawless Co., sheet metal goods, Omaha, Neb.
Gordon Lumber Co., Middletown, N. Y.
Gordon, M. E., architect, 160 N. Wells, Chicago, Ill.
Gordon Mach. Co., 650 Evans, Cincinnati, O.
Gordon & Madden, architects, 300 Sibley blk., Rochester, N. Y.
Gordon Metal Co., tin plate, metals, etc., whol., 14th & Dock, Richmond, Va.
Gordon, Orville E., fire extinguishers, Rays Crossing, Ind.
Gordon Piano Co., 709 Whitlock av, New York.
Gordon Plumbing & Heating Co., 311 W. 47th, Chicago, Ill.
Gordon Propeller & Mfg. Co., 9901 Desmond av, Cleveland, Ohio.
Gordon, R. W., & Co., soap, McKeesport, Pa.
Gordon Sand Co., Conneaut, Ohio.
Gordon Supply Co., cotton duck, 537 Albany, Boston, Mass.
Gordon Supply Co., mill & facty. supplies & machy. dlrs., Chicago Heights, Ill.
Gordon Tire & Rubber Co., Canton, Ohio.
Gordon, Van Tine Co., grille work, sash, doors & blinds, Davenport, Ia.
Gordon, Wm. M., & Son, woolen blankets, Galax, Va.
Gordonsville Milling Co., flour, Gordonsville, Tenn.
Gordy, Geo. G., flour, Cusseta, Ga.
Gore, D. B., Co., Inc., New Orleans, La.
Goreczky, A., sashes, doors & blinds., Boise, Idaho.
Gorham Bros. Co., machsts. & fndrs., Mount Pleasant, Mich.
Gorham Co., Architectural Bonze, 5th av & 36th, New York. Works: Providence, R. I.
Gorham, D. F., stone producers, Mount Kisco, N. Y.
Gorham Fire Apparatus Co., 127 Mission, San Francisco, Cal.
Gorham, H. E., machsts., Oneonta, N. Y.
Gorham, H. W., cribbage boards, East Norwalk, Conn.
Gorham-Revere Rubber Co., insulating tape, 50 Tremont, San Francisco, Cal.
Gorlitz, S., cornices, 65 Reid av, Brooklyn, N. Y.
Gorman, Chas. B., trunk mfrs., 329 N. Howard, Baltimore, Md.
Gorman Elec. Co., 315 Minn., St. Paul, Minn.
Gorman, Jas. J., cornices, Albany, N. Y.
Gorman, M. B., Co., masons' & bldrs.' matls., Defiance, Ohio.
Gorman, Thos. C., cotton damasks, Adams & Church, Phila., Pa.
Gorman, Thos. J., contr., South Manchester, Conn.
Gormley, P. F., Co., bldg. contractors, Union Trust Bldg., Washington, D. C.
Gormley, Robt. W., & Co., machsts., Troy, N. Y.
Gorndt, C. A., & Co., oven bldrs., 189 W. Madison, Chicago, Ill.
Gornell, E., Sons Co., platers' brushes, 179 N. Wells, Chicago, Ill.
Gorning & Luey, patterns & models, 1112 N. B'way, St. Louis, Mo.
Go-Ro Mfg. Co., roof flanges, 826 Baronne, New Orleans, La.
Gorrell, H. E., canned goods, Bel Air, Md.
Gorse, F. W., Co., elastic hosiery, Needham Heights, Mass.
Gorse, Wm., & Co., elastic hosiery, Needham Heights, Mass.
Gorsline & Swan Const. Co., Rochester, N. Y.
Gorton, Geo., Machine Co., Racine, Wis.
Gorton & Lidgerwood Co., steam & hot water heaters, valves, etc., 96 Liberty, N. Y.

Gosa Brockman Co., jigs & fixtures, 1027 Schiller, Phila., Pa.
Goseh Bros. & Sons, sash, door & blind mfrs., 6436 Wentworth av, Chicago, Ill.
Goshen Buggy Top Co., Goshen, Ind.
Goshen Central Coal Co., Massillon, Ohio.
Goshen Churn & Ladder Co., Goshen, Ind.
Goshen Eyelet Co., Goshen, Ind.
Goshen Lightning Rod Co., Goshen, Ind.
Goshen Lumber Co., Goshen, Wash.
Goshen Mfg. Co., mfrs. of lawn swings, ladders & agricultural implements, Goshen, Ind.
Goshen Milk Condensing Co., canned, Goshen, Ind.
Goshen Milling Co., flour, Goshen, Ind.
Goshen Novelty & Lamp Co., Goshen, Ind.
Goshen Sash & Door Co., Goshen, Ind.
Goshen Sweeper Co., Grand Rapids, Mich.
Goshen Veneer Co., Goshen, Ind.
Goshorn Hardware Co., Charleston, W. Va.
Goss Bros., clothes line, Fall River, Mass.
Goss, C. B. & F. H., masons' & bldrs.' matls., Melrose, Mass.
Goss, F. H., Brick Co., common, Tacoma, Wash.
Goss, J. C., Co., flag mfrs., 16 E. Woodbridge, Detroit, Mich.
Goss, J. & E., tex. machy., supplies (Reeds), Fall River, Mass.
Goss, John L., Corp., granite, Stonington, Me.
Goss Printing Press Co., 1535 S. Paulina, Chicago, Ill.
Goss Supply Co., plbrs. supplies, St. Johnsbury, Vt.
Goss, Wm. Howard, lumber, Paintersville, Pa.
Gossard, A. R., mill & facty. supplies, Austin, Tex.
Gossert, Hy, classic wood carver, 320 Harmon, Philadelphia, Pa.
Gossett, A. F., & Son, fertilizer, Griffin, Ga.
Gosso Co., army cots, etc., 14 E. Jackson, Chicago, Ill.
Gotham Can Co., 60 Eagle, Brooklyn, N. Y.
Gotham Knitting Mills, sweaters, bathing suits, 30 W. 21st New York.
Gotham Pearl Button Wks., 45 E. 17th, New York.
Gothberg, H. & E., machsts. & fndrs., 139 Cator av, Jersey City, N. J.
Gotshall Mfg. Co., lumber & cooperage stock, Hawthorne & L. S. & M. S. Ry., Toledo, Ohio.
Gott, Francis H., architect, Carter Bldg., Rochester, N. Y.
Gotten, D. H., flour mills, Bartlett, Tenn.
Gottesleben, Oscar C., architect, Dime Bk. Bldg., Detroit, Mich.
Gottfried, A., & Co., organ pipes, Erie, Pa.
Gottko, J., & Sons, contractors, Bayonne, N. J.
Gottlieb, A., & Sons Co., confetti, 54 S. 2d, Brooklyn, N. Y.
Gottlieb, I., ale pumps, 332 W. 52d, New York.
Gottlieb, M., & Sons, packing box mfrs., 20 Clarke, New York.
Gotto, O. W., masons' & bldrs. matls., Michigan City, Ind.
Gottron Bros., Co., masons' & bldrs.' mtls., Fremont, Ohio.
Gottschalk, Andrew, brick, Berne, Ind.
Gottschalk, Chas. E., architect, Phelan Bldg., San Fran., Cal.
Gottschalk & Co., pan cleaning machines, Reedsville, Pa.
Gottschalk Construction Co., 219 Castle Hall, Indiaapolis, Ind.
Gottschalk, F. S., Furnace & Roofing Co., Covington, Ky.
Gottschalk, J. W., Mfgr. Co., magnet & telephone wire, 2726 Mascher, Phila., Pa.
Gotwald, Robert C., architect, Gotwald Bldg., Springfield, Ohio.
Goubert, A. A., hammers, 90 West, New York.
Gouge & Ames, architects, 70 Genesee, Utica, N. Y.
Gough, Richard, & Co., china wood & soya bean oils, 69 Ball, New York.
Gough, Richard, architect, Okanogan, Wash.
Gough, W. L., Co., balata; crude rubber, 16 Exchange pl., New York.
Gould, Aaron H. & Son, architects, Empire bldg, Detroit, Mich.
Gould, A. H., architect, Henry Bldg., Portland, Ore.
Gould, A. R., & Sons, carriages, Scranton, Pa.
Gould & Ash, chemical engrs., 216 Pine, San Francisco, Cal.
Gould, Augustus, machst., Norwich, Conn.
Gould Balance Valve Co., Kellogg, Ia.
Gould Co., plumbers supplies, jobbers, 69 N. 12th, Portland, Ore.
Gould Constr. Co., Davenport, Ia.
Gould Coupler Co., machsts. & fndrs. & steel car platforms, 30 E. 42d, New York.
Gould & Cutler, paints, 45 Sudbury, Boston, Mass.
Gould & Eberhardt, gear hobbing & metal shaping machines, etc., 97 N. J. R. R. av, Newark, N. J.
Gould, F. P., & Son, contractors, City Nat. Bk. Bldg., Omaha, Nebr.
Gould, G. E., carriages, Lake Grove, N. Y.
Gould Grain Co., 600 Flour Ex., Minneapolis, Minn.
Gould, H., sewer contr., Sacramento, Cal.
Gould, Lee, H. & Co., cornices & skylights, 251 Arcade, Cleveland, Ohio.
Gould Mfg. Co., lbr., Oshkosh, Wis.
Gould-Mersereau Co., hdwe.; machsts. & fndrs., 52 W. 38th, New York.
Gould & Nowlen, mill & facty. supplies, Bath, N. Y.
Gould Packing Co., Cambridge, Mass.
Gould Paper Co., Lyons Falls, N. Y.
Gould Storage Battery Co., 30 E. 42d, New York.
Gould & Taylor Cut Stone Co., 312 3rd av, Brooklyn, N. Y.
Gould's, M. Son & Co., machsts. & fndrs., 115 Lafayette, Newark, N. J.
Goulds Mfg. Co., pumps, 71 W. Fall, Seneca Falls, N. Y. *See adv index end of book.*
Goulet & Co., sahes, doors & blinds, Toledo, Ohio.



Gourlay Granite Wks., Westerly, R. I.
Gourley, Arthur, & Co., lbr., 11 S. LaSalle, Chicago, Ill.
Gouverneur Marble Co., Gouverneur, N. Y
Gouze, Ferdinand, wood tanks, Jersey av & 15th, Jersey N. J.
Gove & Aaron, M., architects, Boston Bldg., Denver, Col. (t
Gove, George, architect, National Realty bldg, Tacoma, W
Gove, Hartley, glass tubing, Vineland, N J.
Gove, S. H., archit. & contr., Daytona, Fla.
Gow, Chas. R., Co., contractors, 166 Devonshire, Boston, M
Gow, Geo., contractor, Carnegie, Pa.
Gowanda Agricultural Wks., Gowanda, N. Y.
Gowdey, J. A., Reed & Harness Mfg. Co., 1226 N. Main, I dence, R. I.
Gower, Fielding, contractor, Yonkers, N. Y.
Gowing, D. H. Veneer Co., Portsmouth, Va.
Gowing, Dietrick, Co., dairy app. & supplies, 207 W. W Syracuse, N. Y.
Gowing, Frederick H., architect, 18 Tremont, Boston, Mas
Goyne Steam Pump Co., Ashland, Pa.
G. & P. Engraving Co., name plates, Wollaston, Mass.
Grabe & Helleberg, architects, Columbus, Nebr.
Graber, Francis, cornices, 2306 N. 4th, Philadelphia, Pa.
Graber Supply Co., mill & facty. supplies, Hutchinson, Kan
Grabler Mfg. Co., conduit hangers & malleable iron cas Cleveland, Ohio.
Grabo, E. O., Machine Works, machinery mfrs., 180 C New York.
Grace & Bernieri, contrs., Claus Spreckels bldg., San Frsco
Grace, C. M. & Co., castings, machy., etc., Huntsville
Grace Constr. & Supp. Co., Fort Wayne, Ind.
Grace, E. J., gas engines, 2811 Raspberry, Erie, Pa.
Grace Harbor Lumber Co., ties, ft. Western blvd, Detroit,
Grace, J. Watson, willow ware mfr., 139 N. Front, Phila.,
Grace Varnish Co., 1014 Larrabee, Chicago, Ill.
Grace, W. R., & Co., crude rubber, 7 Hanover Sq., New Y
Grace, Wm., onyx importers, 123 Liberty, New York.
Grace, Wm., Co., contractors, 519 S. Oakley, Chicago, Ill
Gracey, R., & Sons Co., pile shoes, 115 1st av, Pittsburg
Gracie, Chas. R., portables, 309 W. 41st, New York.
Grad, Frank, architect, 245 Springfield av, Newark, N. J.
Grade Casket Co., 734 E. 17th, Los Angeles, Cal.
Gradin Bros., scrap iron & rubber, Cleveland, Ohio.
Gradwohl, F., Engr. & Contg. Co., 101 Park av, New Yor
Grady, F. M., carriages, Butte, Montana.
Grady, J. E., & Co., mill & facty. supp., Apalachicola, Fla
Grady, Jas. L., contractors, Beverly, Mass.
Grady, John, & Son, contractors, Bangor, Me.
Grady, M. J., Mixture Mfg. Co., shade or glove holders, 6 av, N., Minneapolis, Minn.
Grady Mfg. Co., metal polish, 250 Ely av, Astoria, L. I. C.
Grady, T., contractor, Yonkers, N. Y.
Graebert & Sons, machsts. & brass fndrs., 12 Sherman, D Mich.
Graef, Christ, sweaters, etc., 2261 N. 2d, Philadelphia, P
Graef & Schmidt, whol. hdwe. & cutlery mfrs., etc., 107 bers, New York.
Graeser Mfg. Co., advtg. novelties, 55 Taggart, Pittsbur
Graf, Frank H., Mfg. Co., fireplace fixture mfrs., 322 New York.
Graf, Fred, architect, 807 Grand, Milwaukee, Wis.
Graf, Henry C., contractor, Baraboo, Wis.
Graf, Jos., machst. & fndr., 886 Park av, Brooklyn, N. Y
Graf Lense Co., South Bend, Ind.
Graf, Martin, archit'l iron, 279 Avenue B, New York.
Graf-Morsbach Co., harness, saddles & strap wk., Flint & Cincinnati, Ohio.
Graf Stove & Range Co., Silverlake, Wis.
Graf-Webb Iron Mfg. Co., fndrs., Louisville, Ky.
Graff, A., & Sons, bank railings, 39 Shipley, San Francis
Graff Constr. Co., Seattle, Wash.
Graff Engineering Corp., 150 Nassau, New York.
Graff Furnace Co., 61 Water, New York.
Graff, Geo. B., Co., office devices, mfrs., 294 Washingto ton, Mass.
Graff, P., & Co., blankets, flannels, woolen, Worthington,
Graffa & Son, contrs., Columbus, Ind.
Graffin, S. H., contr., Fall Brook, Cal.
Grafflin, John C., Co., bags & burlap, 1 South, Baltimore,
Grafried, W. F., flour mills, Danville, Tenn.
Grafton Coal & Coke Co., Grafton, W. Va.
Grafton Foundry Co., Grafton, Wis.
Grafton Quarry Co., Wright Bldg., St. Louis, Mo.
Grafton, R. E., canned goods, Forest Hill, Md.
Grafton Roller Mill Co., Grafton, N. D.
Grafton Stone Co., Hickox Bldg., Cleveland, Ohio.
Graham, Anderson, Probst & White, archits., 120 Br New York.
Graham & Berwin, key rings, knobs, dog collars, etc., fayette, New York.
Graham Bros., gin distillers, Rockford, Ill.
Graham Bros., & Co., soap, 1319 W. Lake, Chicago, Ill.
Graham Bros., Inc., farm tractors & trucks, Evansville, I
Graham-Campion Co., contractors, Heed Bldg., Philadelp
Graham, Chas., Chemical Pottery Wks., 986 Metropol Brooklyn, N. Y.
Graham & Cummins, lbr., Reform, Ala.
Graham, Dwight, machst. & fndr., Hamilton, N. Y.

ham, Edward T. P., architect, 20 Beacon, Boston, Mass.
ham, F. J., brick, Lynn, Mass.
ham, F. M., & Co., masons' & bldrs. matls., Fitzgerald, Ga.
ham, Geo. D., printing inks, 523 Commercial, San Francisco, Cal.
ham Glass Co., glass makers' sand, Evansville, Ind.
ham, J. W., & Co., architects & engrs.' instrs. & supplies, Spokane, Wash.
ham, James, & Co., brass fndrs., New Haven, Conn.
ham, James, Mfg. Co., stoves & ranges, 531 Mission, San Francisco, Cal.
ham, Jno., architect, L. C. Smith bldg, Seattle, Wash.
ham, John B., contractors, 8 Beacon, Boston, Mass.
ham, Jno. H., & Co., whol. hdwe., 113 Chambers, New York.
ham, John, Jr., architect, 130 S. 15th, Phila., Pa.
ham King Constr. Co., Galesburg, Ill.
ham, L. L., scenic artist, Brooklyn, N. Y.
ham Lumber Co., 41 E. 4th, Cincinnati, Ohio.
ham Lumber Co., Wright, Bldg., St. Louis, Mo.
ham & McKeon, contractors, Perth Amboy, N. J.
ham Mfg. Co., drill speeders, knurl holders, drill vises, etc., mfrs., 96 Point, Providence, R. I.
ham Mfg. Co., key blanks, Derby, Conn.
ham Mattress Co., Graham, Va.
ham Mill & Elevator Co., flour, Graham, Tex.
ham Milling Co., Lancaster, Ohio.
ham Nut Co., bolt ends, 1317 W. Carson, Pittsburgh, Pa.
ham Paper Co., roofing & blasting paper, St. Louis, Mo.
ham Roller Bearing Co., Coudersport, Pa.
ham & Ross Mercantile Co., masons' & bldrs.' matls., Great Falls, Mont.
ham, Mrs. S. C., & Son, turpentine, Baxley, Ga.
ham, S. P. Lbr. Co., 810 Magazine, Louisville, Ky.
ham & Schenck, masons' & bldrs.' matls., West Union, Ia.
ham, Thos., & Co., wood singletrees, doubletrees & whiffletrees, Madison, Ind.
ham, Wm. Henry, contr., Aurora, Ill.
ham, W. M., & Co., contractors, Erie, Pa.
hamton Mfg. Co., twine, yarn, Grahamton, Ky.
man Granitoid Co., bldg. contrs., 4952 Lotus av, St. Louis, Mo.
ger & Co., grey iron castings, arch iron, structural steel, machy., etc., Louisville, Ky.
n Belt Tractor Co., Fargo, N. Dak.
, Edmund, pianos, 414 Milwaukee, Milwaukee, Wis.
ercy Brass & Iron Wks., 615 10th av, New York.
m-Bernstein Co., motor trucks, Lima, Ohio.
mes, L. F., & Sons, machinery, tools, supplies & metal goods, mill & facty. supplies, Allentown, Pa.
*See adv index at end of book*
s, Wm., sashes, doors & blinds, Sturgis, S. D.
am, Chas., lumber, Scotia, Wash.
berg, Emil, baseball bats, St. Louis, Mo.
by Mining & Smelting Co., St. Louis, Mo.
d Canyon Lime & Cement Co., Los Angeles, Cal.
d Central Iron Wks., 212 E. 52d, New York.
d Corr. Paper Co., 30 Crosby, New York.
d Crossing Boiler Wks., 1244 E. 73d, Chicago, Ill.
d Crossing Tack Co. See Interstate Iron & Steel Co. (successors).
d Detour Plow Co., Dixon, Ill.
d Forks Fndry. & Mach. Co., Grand Forks, N. D.
d Haven Brass Fndry, Grand Haven, Mich.
d Island Culvert & Metal Wks., Grand Island, Neb.
d Knitting Wks., sweaters, cardigans, etc., 291 Essex, Brooklyn, N. Y.
d Lake Co., paper bags, 280 Madison av, New York.
d Ledge Chair Co., piano benches, Grand Ledge, Mich.
d Ledge Clay Product Co., underground conduits, Grand Ledge, Mich.
d Rapids Art Glass Co., Grand Rapids, Mich.
d Rapids Bedding Co., mattresses, Grand Rapids, Mich.
d Rapids Belting Co., leather belting, 1-3 Ionia av, Grand Rapids, Mich.
Rapids Blow Pipe & Dust Arrester Co., Grand Rapids, Mich.
d Rapids Bookcase & Chair Co., Hastings, Mich.
Rapids Brass Co., machsts. & fndrs., Grand Rapids, Mich.
*ee adv. index at end of book.*
Rapids Brick Co., Grand Rapids, Wis.
Rapids Brush Co., Grand Rapids, Mich.
Rapids Calender Co., advtg. Spec., 572-576 Division av, Grand Rapids, Mich.
Rapids Casket Co., Grand Rapids, Mich.
Rapids Chair Co., music cabinets, Grand Rapids, Mich.
Rapids Clock & Mantel Co., Grand Rapids, Mich.
Rapids Consol. Brick & Tiling Co., Grand Rapids, Mich.
Rapids Fancy Furniture Co., Grand Rapids, Mich.
Rapids Fibre Furniture Co., Grand Rapids, Mich.
Rapids Fire Proofing Co., Grand Rapids, Mich.
Rapids Foundry Co., coal chutes, Grand Rapids, Mich.
Rapids Gas Engine & Yacht Co., Grand Rapids, Mich.
Rapids Glue Co., Grand Rapids, Mich.
Rapids Grinding Mach. Co., 30 Ottawa av, N. W., Grand Rapids, Mich.
Rapids Hand Screw Co., Grand Rapids, Mich.
Rapids Hardware Co., Grand Rapids, Mich.

Grand Rapids Label Co., gummed advertising stickers, Grand Rapids, Mich.
Grand Rapids Lbr. Co., Grand Rapids, Mich.
Grand Rapids Malleable Wks., fndrs., Grand Rapids, Mich.
Grand Rapids Milling Co., flour, Grand Rapids, Wis.
Grand Rapids Orna. Iron & Wire Wks., Grand Rapids, Mich.
Grand Rapids Panel Co., wood graining machs., Grand Rapids, Mich.
Grand Rapids Paper Box Co., Grand Rapids, Mich.
Grand Rapids Pearl Button Co., Grand Rapids, Mich.
Grand Rapids Piano Case Co. (Ltd.), Grand Rapids, Mich.
Grand Rapids Plaster Co., Grand Rapids, Mich.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
Grand Rapids Salvage Co., mill & facty. supplies, Grand Rapids, Mich.
Grand Rapids School of Equipment Co., Grand Rapids, Mich.
Grand Rapids Screen Co., Grand Rapids, Mich.
Grand Rapids Sheet Metal & Rfg. Co., cornices, Grand Rapids, Mich.
Grand Rapids Shingle Co., lbr. mfrs., Sedro Woolley, Wash.
Grand Rapids Show Case Co., show cases & fixtures, Ottawa av & Coldbrook, N. W., Grand Rapids, Mich.
Grand Rapids Sticky Fly Paper Co., Grand Rapids, Mich.
Grand Rapids Supply Co., mill & facty. supplies, Grand Rapids, Mich.
Grand Rapids Tex. Machy. Co., Grand Rapids, Mich.
Grand Rapids Trunk Co., Grand Rapids, Mich.
Grand Rapids Varnish Co., Grand Rapids, Mich.
Grand Rapids Veneer Works, Grand Rapids, Mich.
Grand Rapids Wood Finishing Co., Grand Rapids, Mich.
Grand River Canning Co., Markesan, Wis.
Grand Saline Salt Co., Grand Saline, Tex.
Grand Tool & Mch. Wks., Inc., jigs & fixtures, 161 Grand, New York.
Grand Union Grill Wks., 3422 W. Lake, Chicago, Ill.
Grande, Andrew, contractor, Virginia, Minn.
Grande Brick Co., Grand Rapids, Mich.
Grande Ronde Lbr. Co., Perry, Ore.
Grander Stove Co., Royersford, Pa.
Grandfather Falls Co., paper & pulp mills, Merrill, Wis.
Grandgent & Elwell, architects, 44 Bromfield, Boston, Mass.
Grandview Cotton Oil Mill, cottonseed meal, Grandview, Tex.
Grandy, John, bldg. contr., Duluth, Minn.
Grandy, N. G., & Co., fertilizer, Elizabeth City, N. C.
Graner-Mahoney Contrg. Co., 2317 Tennessee av, St. Louis, Mo.
Grange Commercial Stores, fertilizer mfrs., Bridgeton, N. J.
Grange, Garrett S. de, architect architect, Frederick, Md.
Granger, A. D., Co., boiler breechings & machy. dlrs., 15 Park row, New York.
Granger, Alfred, architect, 72 W. Adams, Chicago, Ill.
Granger Brick & Tile Co., common, Granger, Wash.
Granger Lime & Marble Co., West Stockbridge, Mass.
Granger, Merton E., architect, 474 S. Salina, Syracuse, N. Y.
Grangers Lime Co., masons' & bldrs.' mtls., W. Stockbridge, Mass.
Granite Bituminous Paving Co., Railway Exchange Bldg., St. Louis, Mo.
Granite City Granite Co., St. Cloud, Minn.
Granite City Iron Works Co., St. Cloud, Minn.
Granite City Lime & Cement Co., Granite City, Ill.
Granite City Soap Co., Newburgh, N. Y.
Granite Clay Co., Akron, Ohio.
Granite Cordage Co., Granite Falls, N. C.
Granite Linen Co., linen towels, Wortendyke, N. J.
Granite Ry. Co., Quincy, Mass.
Granite State Mfg. Co., toys, games & novelties, Concord, N. H.
Granite State Mowing Machine Co., Hinsdale, N. H.
Granite States Mica Co., 294 Washington, Boston, Mass.
Granitine Wall Plaster Co., Lebanon, Pa.
Granolithic Co., concrete hardeners, 471 N. Snelling av, St. Paul, Minn.
Grant, Alex., & Son, wholesale hdwe., Syracuse, N. Y.
Grant Bros., contractors, Attleboro, Mass.
Grant Bros. Foundry Co., 697 Beaufait av, Detroit, Mich.
Grant Canning Co., Grant, Mich.
Grant, Chas. C., architect, 37 E. 28th, New York.
Grant, Chas. M., stone producers, Troy, N. Y.
Grant Contracting Co., 7 E. 42d, New York.
Grant & Crammer, contractors, Beach Haven, N. J.
Grant-Davis Lumber Co., Cabool, Mo.
Grant, Edw. E., architect, 397 Washington av, Newark, N. J.
Grant & Fanning, contractors, 49 Smith, Bridgeport, Conn.
Grant, Francis W., architect, Mehlhorn Bldg., Seattle, Wash.
Grant, G. J., Construction Co., Exchange Block Bldg., St. Paul, Minn.
Grant, G. M., Co., contractors, 865 Chapel, New Haven, Conn.
Grant Gear Works, mfrs. chains, gears & sprockets, Pearl & Purchase, Boston, Mass. *See adv index at end of book*
Grant, Geo. J., Const., Co., Exchange Bank Bldg., St. Paul, Minn.
Grant, Geo. M., & Co., lbr. mer., 30 Church, New York.
Grant Granite Co., Brattleboro, Vt.
Grant Gravel Co., Flatiron Bldg., San Francisco, Cal.
Grant Iron Wks., Mahanoy City, Pa.
Grant, J. C., Chemical Co., E. St. Louis, Ill.
Grant, J. W., contractor, Bayonne, N. J.
Grant, John, Paving Co., Paxton blk., Omaha, Nebr.
Grant Iron & Steel, 233 Broadway, New York.

Grant, Jno., & Son, contractors, 4500 Euclid av, Cleveland, Ohio.
Grant-Lees Gear Co., auto. gear transmission, 2367 E. 69th, Cleveland, Ohio.
Grant Locomotive & Car Wks., Houston, Tex.
Grant Mfg. & Machine Co., riveting machine mfrs., Bridgeport, Conn.
Grant Marble Co., 27th & Canal, Milwaukee, Wis.
Grant, Michael F., & Co., machsts. & fndrs., 330 S. Clinton, Chicago, Ill.
Grant Motor Car Corp., Coit rd & Kirby av, Cleveland, Ohio.
Grant, P. S., machinist, St. Helena, Cal.
Grant Planing Mill, sash, door & blind mfrs., Kenosha, Wis.
Grant Portland Cement Co., Penna. Bldg., Philadelphia, Pa.
Grant Pulley & Hdwe. Co., 101 Park av, New York.
Grant, Robert, mill & facty. supplies, 233 B'way, New York.
Grant, R. W., architect, Beatrice, Nebr.
Grant, Smith, Porter Ship Bldg. Co., Portland, Ore.
Grant, Thos., brick, Freeport, Ill.
Grant Timber & Mfg. Co., Taxarkana, Ark.
Grant Tool & Gauge Co., 1362 E. 3rd, Cleveland, Ohio
Grant, Wm. R., architect, Seaboard bldg, Seattle, Wash.
Grant Yarn Co., warps, Fitchburg, Mass.
Grantham Bros., lbr., Gatesville, Miss.
Grants Pass Hardware Co., Grants Pass, Ore.
Grants Pass Iron & Steel Wks., Grants Pass, Ore.
Grantville Cotton Oil Co., Grantville, Ga.
Grantwood Moulding & Trim. Co., sashes, doors & blinds, Grantwood, N. J.
Granular Metal Co., machsts. & fndrs., 77 Farnum, Boston, Mass.
Granum, Martin, architect, Montivideo, Minn.
Graphite Metallizing Corp., brushes, Yonkers, N. Y.
Graphoil Lubricating Co., 71 Clymer, Brooklyn, N. Y.
Graphoscope Co., projectors, searchlights, 712 11th, N. W., Washington, D. C.
Graphoscope Development Co., moving picture machs., 49 Mechanic, Newark, N. J.
Grasberger, B. A., & Co., paper dishes, 920 W. Moore, Richmond, Va.
Graspit Mfg. Co., belt dressing, 721 Wash'gton blvd, Chicago, Ill.
Grass Valley Hardware Co., Grass Valley, Cal.
Grasselli Chemical Co., chemicals & fertilizers, Guardian Bldg., Cleveland, Ohio.
Grasselli Powder Co., Guardian Bldg., Cleveland, Ohio.
Grasser Contracting Co., 912 Hennon, New Orleans, La.
Grasser Motor Co., Toledo, Ohio.
Grassler & Gezelschap, lighting fixtures, 214 3d, Milwaukee, Wis.
Graston, G. W., Milling Co., Dupont, Ind.
Grater-Bodey Co., lumber, Norristown, Pa.
Grater, Ursinus, architect, Norristown, Pa.
Gratke, G. E., architect, Strawberry Point, Ia.
Graton & Knight Mfg. Co., leather belting, straps, etc., Worcester, Mass., & 247 Mission, San Francisco, Cal.
Grattan & Lattimer, contractors, ft. of Main, Buffalo, N. Y.
Grattan, T. F., Co., contractors, Cohoes, N. Y.
Gratz, Geo. E., Jr., archl. iron, 1143 DeKalb av, Brooklyn, N. Y.
Grau Bros., brooms, brushes, 1662 Central av, Cincinnati, Ohio.
Grau, H. E., Co., contractors, 1707 Sansom, Philadelphia, Pa.
Grau & Lehmann, silk fringes, 537 W. B'way, New York.
Grauer, A. & Co., contractors, 216 E. Columbia, Detroit, Mich.
Grauer, Albert, & Co., cornices, 318 Long av, N. W., Cleveland, Ohio.
Grauman, L., Fixture Co., bank railings, Denver, Colo.
Grave, R., Co., carriages, 732 Brannan, San Francisco, Cal.
Graveley, Frank P., & Co., architects, Board of Trade Office Bldg., New Orleans, La.
Gravely, John, architect, 64 E. Van Buren, Chicago, Ill.
Gravely, B. F. & R. P., insulator, pins & brackets, etc., Martinsville, Va.
Gravenhorst & Co., varnish gums, etc., 96 Wall, New York.
Graver, Geo. A., machsts. & fndrs., Youngs, Pa.
Graver, H. A., brick, Lehighton, Pa.
Graver Corp., East Chicago, Ind.
*See adv. index at end of book.*
Gravert, Wm. J., Inc., heat resisting cement, 246 Jackson av, Long Island City, N. Y.
Graves, A. A., lumber, Loyal, Wis.
Graves, B. S., architects, Hammond, Ind.
Graves Bros., contractors, West Medford, Mass.
Graves Bros. Co., turpentine, Hosford, Fla.
Graves Bros. Lbr. Co., McNeil, Ark.
Graves, E. M., contractor, Swetland Bldg., Cleveland, Ohio.
Graves, F. E., Construction Co., 2520 Nicollet av, Minneapolis, Minn.
Graves File Co., file mfrs., 67 N. J. R. R. av, Newark, N. J.
Graves, Frank R., Co., absorbent & cotton waste, Albany, N. Y.
Graves, Frank, Sash, Door & Mill Co., Los Angeles, Cal.
Graves, Geo. Wm., architect, Rowland Bldg., Detroit, Mich.
Graves, Harold S., architect, 120 Tremont, Boston, Mass.
Graves, Harry Prescott, architect, 18 Shattuck, Lowell, Mass.
Graves Heating Co., 162 N. Desplaines, Chicago, Ill.
Graves-Humphreys Hardware Co., Roanoke, Va.
Graves, L. C., & Co., carriages, Springboro, Pa.
Graves, L. L., machsts., Streator, Ill.
Graves Machin'y Exchange, 50 Church, New York.
Graves, Manbert Geo., & Co., lbr. packing box mfrs., Ft. Hertel av, Buffalo, N. Y.
Graves & Marshall Co., feed water heaters, etc., Dayton, Ohio.
Graves, N. Z., Corp., paint & varnish mfrs., 22 S. 3d, Philadelphia, Pa.
Graves & Patenotte, Inc., lbr., Robert, La.
Graves, Robt., Co., wall paper mfrs., 169 Madison av, New York
Graves-Smith Co., fertilizer manufacturers, Camp Hill, Ala.
Graves & Stamp, lumber, Des Arc, Mo.
Graves, W. D. & Son, bldrs. & contrs., Stafford Springs, Conn
Gravity Carbureter Co., Woodland av, Cleveland, Ohio.
Gravois, Fdry. & Mfg. Co., 3800 Delor, St. Louis, Mo.
Gravois Mach. Shop Co., 712 N. 10th, St. Louis, Mo.
Gravois Planing Mill Co., Minnesota & Juniata, St., Louis, Mo
Gray-Aldrich Co., mchsts. & fdrs., 33 Commercial Wharf Boston, Mass.
Gray, Arthur F., architect, Watertown, Mass.
Gray, Arthur F., mill engrs., 509 Exchange Bldg., Boston, Mass.
Gray Bros., contractors, Rosemont, Pa.
Gray Bros., flour, Graysville, Ga.
Gray Bros., wholesale hdwe., Seattle, Wash.
Gray, C. L., Lbr. Co., Meridian, Miss.
Gray, Chas. M., Marble & Slate Co., 709 Vernon av, Long Island City, N. Y.
Gray Construction Co., Orear Leslie Bldg., Kansas City, Mo.
Gray Constr. Co., Watertown, S. D.
Gray & Davis, lamps, Boston, Mass.
Gray & Dudley Hardware Co., Nashville, Tenn.
Gray, E. W., Lumber Co., Dagsboro, Del.
Gray Eagle Marble Co., Knoxville, Tenn.
Gray, Edw., contractor, Ft. Continental, Detroit, Mich.
Gray Elec. Co., electric light plants, Springfield, Ohio.
Gray, F. E., machst. & fndr., Middletown Springs, Vt.
Gray Fndry., Inc., castings, Poultney, Vt.
Gray, Frank E., architect, 86 Michigan, Milwaukee, Wis.
Gray, Fred E., machst., Middletown Springs, Vt.
Gray, G. A., Co., machine tools, Cincinnati, Ohio.
Gray, G. G., contractor, 51½ W. 3d, South, Salt Lake City, Utah.
Gray, Geo. H., architect, Sweet Springs, Monroe County, W. Va.
Gray, Geo. H., & Son, lumber, Entiat, Wash.
Gray, Green & Wilkes, architects, 41 Union sq., New York
Gray Hardware Co., Coshocton, Ohio.
Gray, Hawley, Mfg. Co., auto mufflers, 3123 E. Jeff. av, Detroit, Mich.
Gray Iron Casting Co., Springfield, Ohio.
Gray Iron Foundry Co., hardware mfrs., Reading, Pa.
Grey Iron Fdry Co., Muskegon, Mich.
Gray, J. A., Co., machsts., 18th & Bryant, San Francisco, Cal.
Gray, J. C., & Co., sash, door & blind mfrs., Lyondville, N. Y.
Gray, J. J., Jr., ferro-phosphorus, Rockdale, Tenn.
Gray, John M., architect, 112 Water, Boston, Mass.
Gray, Joshua, & Sons, lbr., Gardiner, Me.
Gray Lbr. Co., Waverly, Va.
Gray Mach. Tool Co., Inc., cut gears, gear & milling machs, 2661 Main, Buffalo, N. Y.
Gray Motor Co., engines, Detroit Term. R. R. & Mack, Detroit, Mich.
Gray, Peter, & Sons, special stampings & railway sheet metal ware mfrs., 286 Third, East Cambridge, Mass.
**GRAY & PRIOR MACH. CO.,** universal joints, gasoline, kerosene, marine engines, 96 Suffield, Hartford, Conn.
*See adv index at end of book*
Gray, R. A., architect, Phoenix, Ariz.
Gray, Ralph W., architect, 19 Congress, Boston, Mass.
Gray-Robinson Constr. Co., Manitowoc, Wis.
Gray, S. & Co., cotton thread & twine, Walpole, Mass.
Gray, Sidney T., cornices, Lapeer, Mich.
Gray & Son, masons' & bldrs.' matls., Wooster, Ohio.
Gray & Son Glass Co., Falls Creek, Pa.
Gray Spec. Co., compounds, 148 Avon av, Newark, N. J.
Gray Summit White Sand Co., Boatmen's Bank Bldg., St. Louis, Mo.
Gray Telephone Pay Station Co., Hartford, Conn.
Gray Tractor Co., farm tractors, 30th av, S. E., & N. P. trac Minneapolis, Minn.
Gray, W. I., & Co., heating contractors, 914 Mary pl, Minneapolis, Minn.
Gray, Wm. S., & Co., acetone, denatured & wood alcohol, Maiden la, New York.
Gray, Wm., & Sons Co., granite producers, 30th bel. Walnut Philadelphia, Pa.
Grayling Dowel Co., dowel pins, Grayling, Mich.
Grayling Lumber Co., Ford Bldg., Detroit, Mich.
Grays Ferry Abattoir Co., meat packers, 36th & Gray's Ferry Philadelphia, Pa.
Grays Harbor Commercial Co., lumber mfrs., ft. of 3d, San Francisco, Cal.
Grays Harbor Hardware Co., Aberdeen, Wash.
Grays Harbor Iron & Steel Co., mchsts & fdrs., Hoquiam, Wash.
Grays Harbor Logging Co., lumber, Aberdeen, Wash.
Grays Harbor Lumber Co., Hoquiam, Wash.
Grays Harbor Shingle Co., lumber, Aberdeen, Wash.
Gray's Harbor Shipbuilding Co., Aberdeen, Wash.
Gray's River Shingle Co., Roseburg, Wash.
Grayson Fertz. Co., Leitchfield, Ky.
Grayson Home Mixture Co., Grayson, Ga.
Grayson-McLeod Lbr. Co., Wright Bldg., St. Louis, Mo.
Grayson, Owen, Co., meat packers, Oakland, Cal.
Grazier Bros., masons' & bldrs.' matls., Tyrone, Pa.

ier Elec. Sign Products Co., flashers, Johnstown, Pa.
cen & Co., monograms & hdwe. mfrs., 480 Washington, Newark, N. J.
r, P. L., contractor, Albion, N. Y.
rson & Lane Co., granite, Barre, Vt.
son Mfg. Co., mill & facty. supplies, 108 W. 99th, New York.
t American Chem. Products Co., Inc., salicylic acid, 640 B'way, New York.
t Barrington Mfg. Co., Turkish towels, Great Barrington, Mass.
t Eastern Clay Products Co., 175 5th av, New York.
t Falls Iron Wks., Great Falls, Mont.
t Falls Lumber Co., Great Falls, Mont.
t Falls Mfg. Co., cotton sheetings, Somersworth, N. H.
t Falls Meat Co., Great Falls, Mont.
t Falls Chemical Co., boiler compounds, Appleton, Wis.
t Lakes Boat Bldg. Corp., 333 Becher, Milwaukee, Wis.
t Lakes Brass Fdry., castings, Bay City, Mich.
t Lakes Chemical Wks., boiler compound, Appleton, Wis.
t Lakes Dredge & Dock Co., 104 S. Mich. av, Chicago, Ill.
t Lakes Elec. Mfg. Co., generators, 11-17 S. Desplaines, Chicago, Ill.
: Lakes Engng. Works, Real Estate Exchange Bldg., Detroit, Mich.
t Lakes Forge Co., drop forgings, Racine av, Chicago, Ill.
: Lakes Mfg. Co., hdwe., North Chicago, Ill.
: Lakes Mining Co., Spahr bldg, Columbus, Ohio.
: Lakes Pressed Steel Corp., 1400 Niagara, Buffalo, N. Y. Succ. to Eagle Stamping Co. & Buffalo Metal Prod. Co.)
: Lakes Refining Co., paints, 5716 Euclid av, Cleveland, O.
: Lakes Steel Products Co., Inc., 431 S. Dearborn, Chicago, Ill.
: Lakes Welding Co., 937 West, N. W., Cleveland, Ohio.
: Northern Fuel & Construction Co., Fargo, N. D.
Northern Lbr. Co., Leavenworth, Wash.
: Northern Pail Co., Gillett, Wis.
Northern Paper Co., 30 E. 42d, New York.
Northern Sand & Stone Co., New Castle, Pa.
Northern Sewer Pipe Co., Empire, Ohio.
Southern Lumber Co., Bogalusa, La.
Western Canning Co., Delphi, Ind.
Western Cutting & Welding Co., 884 Folsom, San Francisco, Cal.
Western Fixture Wks., 211 W. Schiller, Chicago, Ill.
Western Electro Chemical Co., bleach, Holbrook Bldg., San Francisco, Cal.
Western Knitting Co., gloves, 110 Buffalo, Milwaukee. Wis.
Western Lbr. Co., box shooks, 268 Market, San Francisco, al.
Western Machinery Co. See Western Machy. Exchange successors).
Western Mfg. Co., agrlt. implts., mill & facty. supplies, te., Leavenworth, Kans.
Western Mfg. Co., bicycles & motorcyles, Pa Porte, Ind.
Western Oil Co., 2846 E. 37th, Cleveland, Ohio.
Western Portland Cement Co., Kansas City, Mo.
Western Re-Fillable Fuse Co., 326 3d, Pittsburgh, Pa.
Western Smelting & Refining Co., 4100 Wallace, Chicago, l.
Western Stove Co., Leavenworth, Kans.
Western Stove Repair Co., 312 Hennepin av, Minneapolis, inn.
Western Sugar Co., Denver, Colo.
r N. Y. Bedding Co., 39 East, New York.
r New York Brick Co., 103 Park av, New York.
r N. Y. Metal Box Co., 143 W. 19th, New York.
ouse, David B., brick, Lewisport, Ky.
s-Klusman Tool Co., engine lathes, Cincinnati, Ohio.
s, Robt. K. & Co., steel tool, 1336 W. Washington blvd, hicago, Ill. *See adv. index at end of book*
s Spec'ty Co., centrifugal pumps, 44 E. 23d. New York.
s, Thos., sweaters, 5241 Wakefield, Gtn., Philadelphia, Pa.
L., canned goods, Key Highway & Lawrence, Balto., Md.
zik, H., & Son, dyers' copper wks., N. Paterson, N. J.
W. Co., canned goods, 1330 S. Sharp, Baltimore, Md.
Canning Co., San Jose, Cal.
Constr. Co., Rochester, N. Y.
R. W., & Co., chem. importers, 80 Maiden lane, New York
Geo., & Bro. Co., carriages, 248 Reed, Milwaukee, Wis.
Albert E., architect, Knoxville, Tenn.
Am. Sponge Co., 300 W. Randolph, Chicago, Ill.
Products Impt. Co., olive oil, 804 W. Polk, Chicago, Ill.
Stone Co., St. Paul, Ind.
A. H., Co., wood turner, 97 Warren, New York.
A. P., Fire Brick Co., Mexico, Mo.
Adolph, contractor, Green Bay, Wis.
B. G., archl. iron, 213 Pacific, Brooklyn, N. Y.
B. S., Co., horse collars, Bloomington, Ill.
& Bauer, X-ray app., Hartford, Conn.
Bay Barker Co., machsts. & fndrs., Green Bay, Wis.
Bay Brick Co., Green Bay, Wis.
Bay Canning Co., Green Bay, Wis.
Bay Carriage & Wagon Co., Green Bay, Wis.
Bay Cornice & Corrugating Co., Green Bay, Wis.
Bay Drive Calk Co., Green Bay, Wis.
Bay Foundry & Machine Co., Green Bay, Wis.

Green Bay Lumber Co., Des Moines, Ia.
Green Bay Paper & Fibre Co., Green Bay, Wis.
Green Bay Planing Mill Co., sash, door & blind, Green Bay, Wis.
Green Bay Soap Co., Green Bay, Wis.
Green Bay Trunk & Bag Co., Green Bay, Wis.
Green Bros., canned goods, Ball Ground, Ga.
Green Bros., lumber mfrs., Blockville, N. Y.
Green Bros., machsts. & fndrs., Lewisburg, Tenn.
Green Bros. Box & Lbr. Co., Rockford, Ill.
Green, C. E., & Son, brass & wire ferrules, 95 Passaic, Newark, N. J.
Green, Casper, & Son, flour mills, Morgan, Minn.
Green, Cyrus P., architect, Alva, Okla.
Green, D. D., cornices, 215 6th, Milwaukee, Wis.
Green, Daniel, Felt Shoe Co., Boston, Mass.
Green, Edw. B. & Sons, Inc., architects, 75 Niagara, Buffalo, N. Y.
Green Elevator Co., freight elevators, Wilmington, Del.
Green Engineering Co., machsts. & fndrs., East Chicago, Ind.
Green Fdry. & Furnace Works, Des Moines, Ia.
Green, Fred C., granite producer, Freeport, Me.
Green Fuel Economizer Co., Beacon, N. Y.
Green, G. S., Co., hdwe., whol., 74 Warren, New York.
Green, Geo., Lbr., Co., 22d & S. Canal, Chicago, Ill.
Green, H. H., architect, 30 N. Michigan av, Chicago, Ill.
Green, H. L., elec. fix. mfrs., Los Angeles, Cal.
Green, H. M., contractors, Kansas City, Mo.
Green-Haas-Schwartz Co., sweaters, cardigans, &c., Euclid av & E. 57th, Cleveland, Ohio.
Green Halter Co., Urbano, Ohio.
Green, Hy. J., barometers, gauges, recorders, thermometers, etc., 1191 Bedford av, Brooklyn, N. Y.
Green, Herbert H., architect, 155 N. Clark, Chicago, Ill.
Green Hill Fire Brick Co., North East, Md.
Green Insulation Co., paper, Cleveland, Ohio.
Green, Isaac H., architect, Sagville, N. Y.
Green, Jas. C., architect, 2 Columbus Circle, New York.
Green (John C.) School of Science, Engng. Schools & Coll., Princeton, N. J.
Green, John, & Sons, machsts., Hoopeston, Ill.
Green, Jordan, architect, 27 Clinton, Newark, N. J.
**GREEN, L, A,,** rails, machinery & equipment (new & used), 1st Nat. Bank Bldg., Pittsburgh, Pa.
Green, L. S., architect, 1818 F, Galveston, Tex.
Green, M. A., & Co., hot air furnaces, Bridgeport, Conn.
Green Machy. & Mfg. Co., Salt Lake City, Utah.
Green Mfg. Co., automobiles, Cobleskill, N. Y.
Green Mill Co., Inc., lbr., Quilcene, Wash.
Green Mountain Lime Corp., Worcester, Mass.
Green Mt. Packing Co., canned goods, Portland, Me.
Green Mt. Slate Co., roofing slate, Poultney, Vt.
Green Piano Co., Louisville, Ky.
Green & Pierson, masons' & bldrs.' matls., Madison, N. J.
Green, Richard T., Co., ship bldrs., Chelsea, Mass.
Green River Chair Co., Livermore, Ky.
Green River Lbr. Co., Memphis, Tenn.
Green River Woolen Mills, Phil, Ky.
Green, Robt. M., & Sons, soda water fountains, 1413 Vine, Philadelphia, Pa.
Green, Robt. S., masons' & bldrs.' matls. & twine mfrs., 3232 Fkd. av ext., Baltimore, Md.
Green, Sam'l M., Co., engineers, architects & contractors, Springfield, Mass.
Green & Sons Co., contractors, Orland, Chicago, Ill.
Green, Thos. L., & Co., bakers' machy., Indianapolis, Ind.
Green, W. E. E., architect, Luverne, Minn.
Green, W., Elec. Co., 81 Nassau, New York.
Green, Warren E., Co., contractors, 29 W. 38th, New York.
Green Watchmakers' Guild, Time Hill, Cincinnati, Ohio.
Green & Wicks, architects, 110 Franklin, Buffalo, N. Y.
Greenabaum Bros., canned goods, Seaford, Del.
Greenbaum, I., plbrs. supplies, 64 E. 116th, New York.
Greenberg, A. Benton, architect, 8 W. 64th, New York.
Greenberg & Bartlett, contractors, 103 Park av., New York.
Greenberg, Chas. F., soap, Scranton, Pa.
Greenberg Guarantee Roofing Co., cornices, 22 Catherine, New York.
Greenberg, Louis, mill, factory & plbrs. supplies, 43 Suffolk, New York.
Greenberg's, M., & Sons, castings, 225 Beale, San Francisco, Cal.
Greenbrier Milling Co., flour, Alderson, W. Va.
Greencastle Cabinet Co., Greencastle, Ind.
Greencastle Fdry. & Mach. Co., Greencastle, Ind.
Greene Aeronautical Co., aeroplane stabilizers, Elyria, Ohio.
Greene Bros., htg. contrs., 417 Hanover, Boston, Mass.
Greene, Byron W., Jr., Co., bldg. matls., 309 av B, New York.
Greene & Daniels Co., warps, thread, twine, Pawtucket, R. I.
Greene, Ernest, architect, 52 Vanderbilt av, New York.
Greene, F. J., Engineering Wks., Racine, Wis.
Greene & Greene, architects, Pasadena, Cal.
Greene, Henry M., architect, Pasadena, Cal.
Greene, H. W., Constr. Co., 8 S. Dearborn, Chicago, Ill.
Greene, J. E., architect, American Trust Bldg., Birmingham, Ala.
Greene, J. W., architect, Ravenna, Ohio.
Greene Mineral Paste Co., metal polish, Keene, N. H.

Greene, Nelson (Est. of), machsts., Edmeston, N. Y.
Greene, Philip, contractors, Pawtucket, R. I.
Greene, Robinson, architect, Williamson Bldg., Cleveland, Ohio.
Greene & Sons, stone, 3403 Lowe av, Chicago, Ill.
Greene, Tweed & Co., hardware mfrs., 109 Duane, New York.
Greene-Wolf Co., steel merchants, 30 Church, New York.
Greene & Wood, masons' & bldrs' matls., New Bedford, Mass.
Greeneville Packing Co., meat packers, Greeneville, Tenn.
Greenfield, Arthur, Inc., concrete steel const., 204 E. 26th, New York.
Greenfield Box Co., 21 Gold, New York.
Greenfield Constr. Co., Hornell, N. Y.
Greenfield, Jas L., landscape architect, 1 B'way, New York.
Greenfield Machine Co., reamer and universal grinders, Greenfield, Mass.
Greenfield Tap & Die Corp., screw cutting, tools, taps, dies, screw plates, reamers, pipe tools, gages & machine tool mfrs., Greenfield, Mass. *See adv. index at end of book.*
Greenford Tile & Clay Co., brick, Greenford, Ohio.
Greengard, Bernhard C., architect, 175 W. Jackson blvd, Chicago, Ill.
Greenhalg Bros., cotton & Turkish towels, 2218 Martha, Philadelphia, Pa.
Greenhalgh, Geo. H., screw machine products, 5th av, Newark, N. J.
Greenlaw, A. E., architect, Camden, Me.
Greenlaw Lbr. Co., Flagstaff, Ariz.
Greenlaw Mfg. Co., flexible joints, 141 Milk, Boston, Mass.
Greenleaf, E. T., architect, Upland, Cal.
Greenleaf, Jas. L., landscape architect, 1 B'way, New York.
Greenleaf, Jno. C., architect, 15 W. 38th, New York.
Greenleaf-Johnson Lbr. Co., Norfolk, Va.
Greenleaf, L. C., architect, 101 Tremont, Boston, Mass.
Greenleaf Stone Co., Green Bay, Wis.
Greenlee Bros. & Co., machsts. & fndrs., Rockford, Ill.
Greenlee Fndry. Co., 664 W. 12th, Chicago, Ill.
Greenlee Stone & Bldg. Co., Denver, Colo.
Greenlie-Halliday Co., machsts., 499 Water, New York.
Greenlie, Wyatt & Co., nut mfrs., 499 Water, New York.
Greenman, Wm. B., contractor, 350 Fulton, Brooklyn, N. Y.
Greenmount Iron & Mfg. Co., fndrs., 889 Greenmount av, Baltimore, Md.
Greeno, C. C., ties, poles & posts, Burnside, Ky.
Greenpoint Brass Fdry., 38 Franklin, Brooklyn, N. Y.
Greenpoint Chemical Wks., 425 Greenpoint av, Brooklyn, N. Y.
Greenpoint Fire Brick Co., 111 Clay, Brooklyn, N. Y.
Greenpoint Metallic Bed Co., 226 Franklin, Brooklyn, N. Y.
Greenport Basin & Const. Co., machsts., Greenport, N. Y.
Green's Car Wheel Mfg. Co., 3000 N. B'way, St. Louis, Mo.
Green's, Hannibal Son, & Co., whol. hdwe., Troy, N. Y.
Greensboro Hdwe. Co., whol., Greensboro, N. C.
Greensburg Coal Co., bituminous, Greensburg, Pa.
Greensburg-Connellsville Coal & Coke Co., bituminous, 1st Nat'l. Bk. bldg, Pittsburgh, Pa.
Greensburg Fdry. & Mach. Co., Jeannette, Pa.
Greensburg Glass Co., bottles, jars—milk, Greensburg, Pa.
Greensburg Limestone Co., Greensburg, Ind.
Greenslade, John, fndry,, 172 Corcoran av, Milwaukee, Wis.
Greenspon's, Jos., Sons Iron & Steel Co., oil well supplies, etc., 67 Branch, St. Louis, Mo.
Greenstein, L., architect, Prudential Bldg., Buffalo, N. Y.
Greentown Canning, Ice & Mfg. Co., Greentown, Ind.
Greenup Milling Co., flour, Greenup, Ky.
Greenville Gravel Co., Greenville, Ohio.
Greenville Cotton Oil & Mfg. Co., Greenville, Ga.
Greenville Implement Co., Greenville, Mich.
Greenville Iron Wks., aluminum, brass & grey iron castings, Greenville, S. C.
Greenville Mfg. Co., lamp cord adjusters, & tanks, Greenville, Pa.
Greenville Mill & Elevator Co., flour, Greenville, Tex.
Greenville Milling Co., flour, Greenville, Ky.
Greenville Silica Co., silica sand, Greenville, Pa.
Greenville Spool & Mfg. Co., Greenville, S. C.
Greenville Steel Car Co., underframes, Greenville, Pa.
Greenville Textile Supply Co., mill supplies, Greenville, S. C.
Greenwald Display Fixture Co., window display fix., 234 5th av, New York.
Greenwald Packing Co., meat packers, Brunswick nr Wilkens av, Baltimore, Md.
Greenwald & Pollak, contractors, 30 E. 42d, New York.
Greenwell, N., Lumber Co., New Haven, Ky.
Greenwich Sash & Door Co., Greenwich, Conn.
Greenwood Advertising Co., electric illuminated signs, Knoxville, Tenn.
Greenwood Advtg. Co., elec. sign flashers, 1942 S. Main, Los Angeles, Cal.
Greenwood Associates, revolving chairs, Gardner, Mass.
Greenwood-Atkinson-Armstrong Co., employees' uniforms, flag mfrs., 75 Woodward, Detroit, Mich.
Greenwood, Chester & Co., boring & special machy., Farmington, Me.
Greenwood China Co., Trenton, N. J.
Greenwood Coal Co., McAlester, Okla.
Greenwood & Co., masons' & bldrs.' matls., Warren, Ohio.
Greenwood Constr. & Supply Co., 48 Terminal wy, Pittsburgh, Pa.
Greenwood Cotton Mills, sheetings, Greenwood, S. C.
Greenwood Lbr. Co., Ass'n Bldg., Chicago, Ill., & Ontonago Mich.
Greenwood Mfg. Co., water closet bends, 540 Greenwood, Detroit, Mich.
Greenwood Pottery Co., Trenton, N. J.
Greenwood, S. J., contr., Bridgeport, Conn.
Greenwood System, advtg. signs, Knoxville, Tenn.
Greer-Beatty Clay Co., Magnolia, Ohio.
Greer Chemical Co., emery grinders, 20 N. Jackson blvd, Chicago, Ill.
Greer Cotton Seed Oil & Fertz. Co., Greer, S. C.
Greer, Edwin K., masons' & bldrs.' matls., Wareham, Mass.
Greer Fertz. Co., Greer, S. C.
Greer, Fredric, screw mach. products, 525 W. Vanburen, Chicag Ill.
Greer, J. L., lumber, Greer, Fla.
Greer & Laing, wholesale hdwe., Wheeling, W. Va.
Greer, Lloyd, architect, Valdosta, Ga.
Greer Lbr. Co., sash, door & blind mfrs., 247 Kimberly av, N Haven, Conn.
Greer Steel Co., cold rolled strip steel, Dover, Ohio.
Greever, J. A., wholesale hdwe., Tazewell, Va.
Gregerstsen Bros. Co., lumber, McCormick Bldg., Chicago, Ill.
Gregg Co., Ltd., cars, Hackensack, N. J.
Gregg Fertilizer Co., Doerun, Ga.
Gregg Hardware Co., 44 Cadillac sq, Detroit, Mich.
Gregg & Leisenring, architects, 1320 New York av, N. W., Wa ington, D. C.
Gregg & Pletcher, contractors, Zanesville, Ohio.
Gregg & Son, sashes, doors & blinds, Nashua, N. H.
Gregg Varnish Co., Grand & McKissock av, St. Louis, Mo.
Gregg, Wm. D. Rogers, Co., carriages, & auto. wood bodies, 1 Arch, Philadelphia, Pa.
Gregorio, Nicholas, & Co., contractors, 860 E. 228th, New Yo
Gregory Coke, Coal & Lime Co., Marshalltown, Ia.
Gregory, E. R., contractor, 60 W. Dedham, Boston, Mass.
Gregory Elec. Co., machy., 1601 S. Lincoln, Chicago, Ill.
Gregory, Frank M., contractor, Zionsville, Ind.
Gregory Fruit Co., canned, Colton, Cal.
Gregory, Julius, architect, 56 W. 45th, New York
Gregory, M., lbr., Marydell, Ky.
Gregory Rubber Co., Akron, Ohio.
Gregory & Sherman, masons' & bldrs.' matls., Nyack, N. Y.
Gregory, T. J., Handle Wks., Cookeville, Tenn.
Gregory Talc Blackboard & Crayon Co., Nashville, Tenn.
Gregory, Thos., Galvanizing Wks., 263 N. Henry, Brooklyn, N.
Gregory, W. T., contractor, Norfolk, Va.
Gregoy, Wm., machinist, Los Angeles, Cal.
Greif Bros. Cooperage Co., 1937 Willey av, Cleveland, Ohio.
Greig, George, lumber, Arnaudville, La.
Greilick Mfg. Co., lbr., sash, door & blind mfrs., Traverse C Mich.
Greilling Bros. Co., dock bldrs. & contr., Green Bay, Wis.
Grein, Geo., contractor, Youngstown, Ohio.
Greiner, Emil, Co., chemical app., etc., 55 Fulton, New York
Greiner, Gottlieb, laboratory app., 81 John, New York.
Greiner, T., Bldg. & Cont. Co., contractors, Louisville, Ky.
Greisler, Fred N., architect, Lafayette Bldg., Phila., Pa.
Greist Mfg. Co., machsts., New Haven, Conn.
Greiwe, E., & Bro., cornices, 1128 B'way, Cincinnati, Ohio.
Grell, Jacob W., elec. light fix. mfrs., 812 Noble, Phila., Pa.
Grendel Mills, cotton sheetings, Greenwood, S. C.
Gresham Fruit Growers' Assn., canned, Gresham, Ore.
Gresham Mfg. Co., machinists, Griffin, Ga.
Gress Mfg. Co., lumber, Jacksonville, Fla.
Greth Machine Works, Reading, Pa.
Grether Fire Equip Co., flood light projectors, Dayton, Oh
Grettenberger Sons, machsts., Tidioute, Pa.
Grewe, John, Construction Co., Century Bldg., St. Louis, M
Grey, Elmer, archt., Wright & Callender Bldg., Los Angeles,
Grey Iron Casting Co., Mount Joy, Pa.
Greylock Mill Supply Co., Adams, Mass.
Gribben Lbr. Co., Chicago & Walker, St. Paul, Minn.
Greynalds & Monroe, Inc., contrs., West Palm Beach, F
Gribble Advtg. Co., advtg. nov., 78 Main, Galena, Ill.
Gridley-Fuhrman-Martin Co., whol. hdwe., Elmira, N. Y.
Griebel, E. G., machsts. & fndrs., Woodstock, Ill.
Griebel Instrument Co., thermometers, Carbondale, Pa.
Griebel & Ebeling, architects, E. 17th & Chestnut av, land, Ohio
Grieco, Chas. P., & Co., contractors, Lock Haven, Pa.
Grieme, H. C., Co. (Est. of), masons' & bldrs.' matls., Amsterdam, N. Y.
Grieme, Henry W., architect, Amsterdam, N. Y.
Grier Bros. Co., miners' lamps, 124 2d av, Pittsburgh, Pa
Grier, F. A & Sons, machsts., Salisbury, Md.
Grier, R. D., & Sons Co., Salisbury, Md.
Grier, Robt. D., & Sons Co., mill & facty. supplies, Salisbury
Gries Bros., hardness testing & marking machy., 450 E. New York.
Griesbaum, Wm. J., contractor, Pottsville, Pa.
Griesemer Graphite Co., Anniston, Ala.
Grieshaber, Carl F., architect, 4 E. 39th, New York.
Grieshaber Pen Co., fountain pen mfrs., 118 N. State, Ch Ill.
Grieshaber, Wm., scrap iron, steel & rubber, Reading, Pa.

iesler, Abramson & Co., architects, Lafayette Bldg., Phila., Pa.
iesser, Richard, brewery architect, 64 W. Randolph, Chicago, Ill.
ieves, C. S., Paint Co., Amesbury, Mass.
iffen, Benjamin, plate glass, 40 Vestry, New York.
iffen, Geo. M., Lbr. Co., 5722 Bartmer, St. Louis, Mo.
iffin, A. J., architect, North Bend, Ore.
iffin, A. M., architect, Ind. Life Bldg., Nashville, Tenn.
iffin & Boehme, cornices, 350 W. University av, St. Paul, Minn.
iffin Broom Co., Chanute, Kans.
iffin Bros., contrs., Norfolk, Va.
iffin Bros., school slates, Bangor, Pa.
iffin Button Co., Shelton, Conn.
iffin-Cantrell Hdwe. Co., Rome, Ga.
iffin, C. N., Co., contractors, 3111 Carnegie av, S. E., Cleveland, Ohio.
iffin, C. W. See Griffin Broom Co. (successors).
iffin, Chas., mill engrs., 1 Arch, Lowell, Mass.
iffin & Co., masons' & bldrs.' matls., Gloucester, Mass.
iffin Construction Co., Atlanta, Ga.
iffin, D. F., & Bros., contractors, Portland, Me.
iffin Envelope Co., 25 Fremont, San Francisco, Cal.
iffin, F. W., architect, Porterville, Cal.
iffin Fndry. & Mfg. Co., Rome, Ga.
iffin, G. W., Co., machsts. & fndrs., Franklin, N. H.
iffin, Geo. B. & C. M., broom corn, Charleston, Ill.
iffin, Geo. W., architect, Concord, N. H.
iffin, H., & Bro., contractors, Nashville, Tenn.
iffin, H. F., steel struct. wk., Mennen Annes, New Orleans, La.
iffin, H. M., architect, Connersville, Ind.
iffin, Henry O., & Co., mill & factory supplies, 143 Varick, New York.
iffin, J. De F., architect, Chehalis, Wash.
iffin, J. M., lbr., Blodgett, Miss.
iffin, John F., Co., contractors, 17 Milk, Boston, Mass.
iffin, John J., & Co., machsts., 1513 Race, Philadelphia, Pa.
iffin Lumber Co., Sandy Hill, N. Y.
iffin, M. J., contractor, 169 Stanton av, Detroit, Mich.
iffin Mfg. Co., cottonades & tickings, Griffin, Ga.
iffin Mfg. Co., hardware mfrs., Erie, Pa.
iffin Oil Mill Co., Griffin, Ga.
iffin, Percy, architect, 30 Church, New York.
iffin Roofing Co., 506 W. 26th, New York.
iffin & Satterwhite, wholesale hdwe., Roanoke, Ala.
iffin & Skelley Co., canned goods, San Francisco, Cal.
iffin Specialty Co., clamps, 506 W. 26th, New York.
iffin Transfer Co., masons' & bldrs.' matls., Tacoma, Wash.
iffin, W. D., contr., Macon, Ga.
iffin, Walter Burley, architect, 175 W. Jackson blvd., Chicago, Ill.
iffin Wheel Co., machsts. fndrs., 332 S Michigan, Chicago, Ill.
iffin & Wynkoop, architects, 30 Church, New York.
iffith & Boyd Co., fertilizer mfrs., Keyser Bldg., Baltimore, Md.
iffith Bros., Slate Co., roofing slate mfrs., Slatington, Pa.
iffith, C. A., & Co., advtg. nov., Bellingham, Wash.
iffith, C. H., cornices & skylights, Bernardsville, N. J.
iffith Concrete & Constr. Co., 3513 Grand blvd, Ptg., Pa.
iffith Cornice Wks., 2441 Indiana av, Chicago, Ill.
iffith, David, granite producer, Penryn, Cal.
iffith, E. R. & W. M., contractors, West Chester, Pa.
iffith, Edwin, St. John, architect, 2014 Franklin av, Seattle, Wash.
iffith & Fair, architects, 505-6 Bass Blk., Fort Wayne, Ind.
iffith, Frank H., masons' & bldrs.' matls., Kingston, N. Y.
iffith, G. V., & Son, wood handles, Muncie, Ind.
iffith, Geo. D., & Co., lbr., 11 S. La Salle, Chicago, Ill.
iffith, Geo. J., archl. iron, Johnstown, Pa.
iffith, Geo. T., architect, Crawfordsville, Ind.
iffith & Goodrich, architects, Mo. Am. Bldg., Fort Wayne, Ind.
iffith Hdwe. Co., cornices, Girardville, Pa.
iffith, Harry C., architect, Canby Bldg., Dayton, Ohio.
iffith, Jas. E., contractor, Freeland, Pa.
iffith, Jas., & Sons Co., contractors, Reading rd & E. 12th, Cincinnati, Ohio.
iffith Lumber Co., Santa Ana, Cal.
iffith Mfg. & Supply Co., machsts. & fndrs., Griffith, Ind.
iffith, Robt. C., cooperage stock, Terre Haute, Ind.
iffith, T. A., sashes, doors & blinds, Okla, Okla.
iffith, W. F. & Bro., canned goods, Emmerton, Va.
iffith, Webster, lumber, Ebensburg, Pa.
iffith & Wedge Co., machsts. & fndrs., Zanesville, Ohio.
iffith, Wm., roofing slate, Poultney, Vt.
iffith, Wm. M., architect, Sapulpa, Okla.
iffiths, A. J., & Son, boiler compounds, 3526 Gtn. av, Philadelphia, Pa.
iffiths Charcoal Iron mills, Washington, Pa.
iffiths & Co., masons' & bldrs.' matls., Dallas, Tex.
iffiths, Jas. A., boiler castings, brass castings, 1315 Buttonwood, Philadelphia, Pa.
iffiths, John, & Son Co., contractors, 112 W. Adams, Chicago, Ill.
iffiths, K. F., & Co., abrasives, cyanide, etc., 81 Fulton, New York.
iffiths Machine Works, 22 Clementina, San Francisco, Cal.
Griffiths & Pierce, contractors, Utica, N. Y.
Griffoul, A., & Bros. Co., machsts. & fndrs, 280-286 Chestnut, Newark, N. J.
Grigg-Hanna Co., packing box mfrs., 1262 Michigan av, Detroit, Mich.
Griggs & Ball, masons' & bldrs.' matls., East Aurora, N. Y.
Griggs, D. B., & Sons, box shooks, Chicopee Falls, Mass.
Griggs, G. W., architect, San Bernardino, Cal.
Griggs, Ichabod N., & Son, masons' & bldrs.' matls., Holland, N. Y.
Griggs Packing Co., meat packers, Roanoke, Va.
Griggs, Wilfred E. (Estate of), architect, 111 W. Main, Waterbury, Conn.
Grigsby & Co., fertilizer mfrs., Bardstown, Ky.
Grimes Bros., feed, Lexington, N. C.
Grimes Canning & Preserving Co., Grimes, Ia.
Grimes, G. W., Co., well drilling machy., machsts. & fndrs., Bluffton, Ind.
Grimes & Harris, machsts. & fndrs., Leominster, Mass.
Grimes, J. O., turpentine distillers, Wilmington, N. C.
Grimes Milling Co., flour, Salisbury, N. C.
Grimes, P. G., jigs, fixtures, gages & small tools, Milford, Conn.
Grimm, G. H., machst., Rutland, Vt.
Grimm Iron Works, architectural iron, etc., Cincinnati, Ohio.
Grimm, John A., masons' & bldrs, matls., Hartford, Wis.
Grimm, Max, masons' & bldrs.' matls., Troy, N. Y.
Grimm, Nichoas R., architect, McLean Bldg., Washington, D. C.
Grimm, Paul, scrap brass & rubber, 284 Front, New York.
Grimond, J. & A. D. (Ltd.), burlap bagging, etc., 320 B'way, New York.
Grimshaw, Young & Co., fruit pickers, Lowell, Mass.
Grinberg Bros., stoves, 154 South, New York.
Grindan Mfg. Co., grinding preparations, Albany, N. Y.
Grinden Art Metal Co. See Lawton-Stephens Co. (successor).
Grindle, Alf., architect, Nashville, Ind.
Grindol, W. H., & Sons, stone prod., Decatur, Ill.
Grinels, M. P., canned goods, Bushy, Va.
Gring, J. M., Co., masons' & bldrs.' matls., Reading Pa.
Grinnan, J. C., masons' & bldrs.' supplies, Arcade Bldg., Norfolk, Va.
Grinnell Canning Co., Grinnell, Ia.
Grinnell Clay Products Co., Grinnell, Iowa.
Grinnell Elec. Car Co., stor. battery trucks, 473 Woodward av, Detroit, Mich.
Grinnell Electric Heater Co., Grinnell, Ia.
Grinnell Washing Machine Co., Grinnell, Ia.
Grip Nut Co., McCormick Bldg., Chicago, Ill.
Grip-Tite Co., belt dressing, New Brunswick, N. J.
Grippin Mfg. Co., wood fillers, Newark, N. J.
Griscom-Russell Co., machinery mfrs., 92 West, New York.
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Grisham, C. S., & Co., flour mills, Newbern, Tenn.
Grismore-Hyman Co., cooperage stock, Memphis, Tenn.
Grissel, J. P., Cornice Co., Cedar Rapids, Ia.
Grissinger Machine Works, 904 Quarry, Philadelphia, Pa.
Griswold, Geo., architect, Middletown, Conn.
Griswold, Geo. M., Mach. Co., New Haven, Conn.
Griswold Mfg. Co., aluminum & iron cooking utensils & stoves, Erie, Pa.
Griswold Mfg. Co., machsts., Rock Island, Ill.
Griswold, Richmond & Glock Co., cornices & skylights, Meriden, Conn.
Griswold-Sohl Co., whol. hdwe., 79 N. Front, Columbus, Ohio
Griswoldville Mfg. Co., crinoline, Griswoldville, Mass.
Groah, B. A., Constr. Co., 847 W. North, Pittsburgh, Pa
Grob-Gamsby Hdwe. Co., Inc., whol. hdwe., 100 Maiden lane, New York.
Grobert, Henry, contractor, East Orange, N. J.
Groce, Charles E., meat packer, Circleville, Ohio.
Groch, Fred'k, Coal Co., masons' & bldrs.' matls., Sandusky, O
Groch, Max, machst., 41 Av L, Newark, N. J.
Grodin Bros., scrap rubber, 1233 E. 38th, Cleveland Ohio
Groendyke, J. C., cordage & twine mfr., 8 S. Dearborn, Chicago, Ill.
Groening Bros., flour, Lehigh, Kans.
Groeninger, J. J., Co., cornices, Evansville, Ind.
Groeschel, Jacob, heating contr., 1513 Lloyd, Milwaukee, Wis.
Groezinger's, G., Sons, leather & belting mfrs., Lancaster, Pa.
Groff, Aaron, carriages, Oakbottom, Pa.
Groff, F. A., & Son, cow milking machines, St. Johnsville, N. Y.
Groff & Weaver, carriages, New Holland, Pa.
Grogan, Chas. P., canned goods, Los Angeles, Cal.
Grogan, H. F., & Co., paint & varnish mfrs., etc., 2113 E. Sergent, Philadelphia, Pa.
Grogan Mfg. Co., lbr., Gladstell, Texas.
Groll, P. J., Constr. Co., 145 E. 53rd, New York.
Groman Bros. (Ltd.), brick, South Bethlehem, Pa.
Gromann, Hy F., yacht sails, 320 Pearl, New York.
Grona, A., mattresses, San Antonio, Tex.
Gronborg, C. C., cornices, West New York, N. J.
Grone, Louis H., contractor, Benvist Bldg., St. Louis, Mo.
Gronenberg, H., architect, 1857 63rd, Brooklyn, N. Y.
Gronen & Cowan, lumber mfrs., Waterloo, Ia.
Gronenberg & Leuchtag, architects, 303 5th av, New York.
Groner & Rowell Co., lbr., Scholls, Ore.
Groomes, Thos. C., architect, Rockville, Md.

Grosback, Wm., & Co., archl. iron, 37 Maspeth av, Brooklyn, N. Y.
Groscup Co., heating contractors, St. Paul & 26th, Baltimore, Md.
Groseclose, J. C., flour mills, Crockett, Va.
Grosklaus, John, & Son, contractors, 299 Old Bergen rd, Jersey City, N. J.
Groskopf Bros., trunk mfrs., Grand Rapids, Mich.
Grosline, W., lumber mfrs., Millers Mills, N. Y.
Gross, A., & Co., candles, oils, etc., 90 West, New York.
Gross Bros., machsts. & fndrs., Eugene, Ore.
Gross Bros., sashes, doors & blinds, Homeworth, Ohio.
Gross Chandelier Co., 1107 Locust av, St. Louis, Mo.
Gross Co., agricultural implements, Carroll, Ia.
Gross, Conrad, carriages, Richmond, Va.
Gross Constr. Co., Oklahoma, Okla.
Gross, F. C., & Bros. Co., meat packers, Muskego av, Milwaukee, Wis.
Gross, F. H., cornices & skylights, Washington, Ind.
Gross-Feibel Co., machsts., Hillsboro, Ohio.
Gross, Fred B., & Son, brick, Orland, Me.
Gross, Fred E., & Son, Inc., contrs., Yonkers, N. Y.
Gross, G. V., & Co., essential oils, 30 Old Slip, New York.
Gross, Geo. M., cornices, 1445 S. State, Chicago, Ill.
Gross, Geo., & Son, pipe brackets, cast iron basins, Rockaway Beach, L. I.
Gross, H. E., & Co., mattresses, 823 Rebecca, Pittsburgh, Pa.
Gross & Herman, contractors, 529 W. 158th, New York.
Gross & Kleinberger, architects, Bible House, New York.
Gross Mfg. Co., machsts. & brass fndrs., Hazelton, Pa.
Gross, Otto, oils, ore, plumbago, etc., 66 Beaver, New York.
Gross, Philip, Hdwe. Co., 218 3d, Milwaukee, Wis.
Gross Star Gas Iron Co., 12 N. Market, Chicago, Ill.
Gross, W. H., marble producers, Lee, Mass.
Grossberg, H. T., & Co., mattresses, 4658 B'way, Chicago, Ill.
Grosscup & Sons, contractors, Bridgeton, N. J.
Grosse, R. E., masons' & bldrs.' matls., Mason, Tex.
Grosser Knitting Mach. Co., 260 W. B'way, New York.
Grossius, Jno., Furnace Co., machsts. & fndrs., 318 E. 8th, Cincinnati, Ohio.
Grosskopf, Fred A., lumber, Pella, Wis.
Grossman Bros. & Rosenbaum, elevators, vault lights, archl. iron, Willow av & 133d, New York.
Grossman, Emil, Mfg. Co., spark plugs, 167 41st, B'klyn, N. Y.
Grossman, G. J., stone producers, Meriden, Conn.
Grossman & Hooe Saddlery Co., 221 Main, Cincinnati, Ohio.
Grossman, M., scrap iron, 560 Maxwell, Chicago, Ill.
Grosso, Flavio B., architect, 126 Market, Paterson, N. J
Grosso, James, contr., Bridgeport, Conn.
Grosswiller, Jos. F., Co., plumbers' supplies, 430 Huron, Toledo, Ohio.
Grosvenor-Dale Co., cotton sheetings, Grosvenor Bldg., Providence, R. I.
Grotbe, Wm. H., brick, York, Pa.
Grote, F., & Hubbell Co., mirrors, monograms, buttons, etc., 82 4th av, New York.
Grote, F., Mfg. Co., machsts. & fndrs., Evansville, Ind.
Grote, Geo. W., & Co., cement, paints, putty, etc., 430 E. 102d, New York.
Grote, Hy. C., architect, 5899 Delmar av, St. Louis, Mo.
Groth, Adam, & Co., Inc., stone prod., Joliet, Ill.
Groth, J. F., & Son, lime, Cedarburg, Wis.
Grothe, John J., snow plows, Woburn, Mass.
Grotnes, Chas., machst., 128 N. Jefferson, Chicago, Ill.
Groton Bridge Co., steel tructt. wk., Groton, N. Y.
Groton Electrical Devices, Inc., air drying mach., Groton, N. Y.
Groton Iron Wks., shipbldrs., Noank, Conn.
Groton Leatherboard Co., 16 State, Boston, Mass.
Groton & Lidgerwood Co., steam boilers & valves, 96 Liberty, New York.
Groton Milling Co., wheat, flour & feed, Groton, S. Dak.
Grove City Brass & Bronze Co., Grove City, Pa.
Grove City College Dept. of Mech. & C. E. Engng. School & Coll., Grove City, Pa.
Grove City Limestone Co., Grove City, Pa.
Grove Feed & Storage Co., flour mills, Elkins, W. Va.
Grove, Geo. H., architect, 213 Walnut, Harrisburg, Pa.
Grove, Isaac, machst., Rheems, Pa.
Grove Linseed Oil Co., Del. av & Bigler, Philadelphia, Pa.
Grove, M. J., Lime Co., Lime Kiln, Md.
Grove, O. S., architect, 2911 Telegraph av, Berkeley, Cal.
Groveland Coal Mining Co., McCormick Bldg., Chicago, Ill.
Groveland Mills, woolen flannels, South Groveland, Mass.
Grover, C. L., architect, Willmar, Minn.
Grover File Co., file makers & moving truck mfrs., Nashua, N. H.
Grover, John D., & Son, cattle, plastering & curled hair, Somerset & Tulip, Philadelphia, Pa.
Grover, R. A., handles, dowels, skewers, etc., Andover, Me.
Groves, Albert B., architect, 314 N. 4th, St. Louis, Mo.
Groves, Eugene G., architect, A. C. Foster Bldg., Denver, Colo.
Groves, L. M., contractor, 7 Rockwood av, Worcester, Mass.
Groveton Paper Co., Inc., Groveton, N. H.
Grow, F. J., lumber, Napoleon, Ind.
Growall, J. P., sash, door & blind, Rockwood, Pa.
Growers' Canning Co., Council Bluffs, Iowa.
Grozier, Jas. H., Co., contractors, Hartford, Conn.



Grubb, Geo. W., sashes, doors & blinds, Greencastle, Ind.
Grubb & Kosegarten Bros., fndrs., Nassau, N. Y.
Grube, Adam, & Son, brick, Springfield, Ohio.
Grube, E. A., contractor, Youngstown, Ohio.
Grube, H. L., lumber whol., Baltimore & South, Baltimore, M
Gruber & Co., masons' & bldrs.' matls., St. Cloud, Minn.
Gruber & Doss, masons' & bldrs.' matls. & architects, Shelbyville, Ky.
Gruber, E. Wm., brick, Ord, Neb.
Gruber, Rupert & Co., cornices, 541 Sherman, Buffalo, N. Y.
Grueby Faience & Tile Co., art & decorative tile, Perth Amb N. J.
Gruen, D., Sons & Co., watch case mfrs., McMillan & Io Cincinnati, Ohio.
Gruen, Wm. H., architect, 1520 Chestnut, St. Louis, Mo.
Gruendel, Geo., Mach. Wks., 440 N. Peoria, Chicago, Ill.
Gruendler, A. H., cornices, 1018 Cass av, St. Louis, Mo.
Gruendler Patent Crusher & Pulverizer Co., corn mills, Main, St. Louis, Mo.
Gruenebaum, L., scrap brass, 418 E. 7th, Cincinnati, Ohio.
Gruhl Sash & Door Co., 195 Stewart, Milwaukee, Wis.
Gruhler, Wm. J., Co., contractors, 219 E. High av, Phila.,
Gruman Ice Tool Wks., machsts, plows, Branchville, Conn.
Grumb Bros., stone, Lowell, Mass.
Grund-Graham Co., contrs., Freeport, Ill.
Grundfor, M., architect, Pocatello, Idaho.
Grundford, J. A., architect, Brooks Arcade, Salt Lake C Utah.
Grundy Brass Wks., floor plates, Boston, Mass.
Grundy, J. E., & Co., machsts. & fndrs., 82 Sudbury, Bos Mass.
Gruner, Phillip, & Bro. Lbr. Co., 4006 N. B'way, St. Louis,
Grunert, James E., architect, 2409 Rich. rd, New Dorp, N.
Gruninger, F. H., architect, Warren, Pa.
Grunkemeyer, John C., architect, 3717 Eastern av, Cincinn Ohio
Grupe Drier & Boiler Co., drying apparatus, 317 E. 2nd, Da port, Iowa.
Grupe, John P., boilers, Davenport, Ia.
Grupelli, Eney, contractor, Morristown, N. J.
Grupp, Edw., & Son, contractors, 125 Glenwood av, Buf N. Y.
Grush, Chas. E., architect, Beverly, Mass.
Gruss Bros., contrs., Bridgeport, Conn.
Grussing, Geo. H., architect, 154 W. Randolph, Chicago, Il
Guadulpe River Navigation Co., sand & gravel dlrs., Victo Tex.
Guantanamo Sugar Co., 129 Front, New York.
Guarantee Ash Can Co., 203 E. 101st, New York.
Guarantee Co. of N. Am., indemnity bond insurance, 111 B'y New York.
Guarantee Construction Co., 92 West, New York
Guarantee Construction Co., 140 Cedar, New York.
Guarantee Elec. Co., 430 S. Green, Chicago, Ill.
Guarantee Heatg. & Plumbg. Supply Co., 2127 S. State, Chic Ill.
Guarantee Liquid Measure Co., air tire pumps, Union Ar Pittsburgh, Pa.
Guarantee Mach. Co., drilling machs., Grand Rapids, Mich.
Guarantee Roofing Co., 61 E. 4th, New York.
Guarantee Sheet Metal Wks., 439 E. 23d, New York.
Guarantee Spec. & Nov. Co., advtg., Rochester, N. Y.
Guarantee Tire & Rubber Co., spark plugs, Indianapolis, I
Guaranteed Appliance Co., radiator valves, 14 E. Jackson Chicago, Ill.
Guaranty Iron & Wire Co., firedoors & iron stairs, 2847 Lake, Chicago, Ill.
Guard, Roy, architect, Norwich, N. Y.
Guard, Shirley R., architect, 8 W. 40th, New York.
Guardian Gas Appliance Co., gas furnaces & garbage inci tors, 3409 Superior, Cleveland, Ohio.
Guarino Contracting Co., Inc., Mt. Vernon, N. Y.
Gubbins, Wm. F., architect, 155 N. Clark, Chicago, Ill.
Gubser Bros., contractors, Newport, Ky.
Guckenheimer, A., & Bros. Co., 125 1st av, Pittsburgh, P
Gude & Co., contractors, Atlanta, Ga.
Gude, O. J., & Co., advtg. signs, 220 W. 42nd, New York.
Gudeman & Co., decorative elec. lighting, 19 W. 36th, York.
Guenscht, L., buttons, 182 Centre, New York.
Guenther, Emil, architect, Ry. Exchange Bldg., Seattle, Wa
Guenther, C. H., & Son, flour mills, San Antonio, Texas.
Guenther, Fred W., contractor, Burlington, Ia.
Guenther Hardware Co., Owensboro, Ky.
Guenzel, Louis, architect, 111 W. Washington, Chicago,
Guerdan, F., & Son, iron, 829 S. 7th, St. Louis, Mo.
Guerin, P. E., Inc., hdwe., machsts., 21 Jane, New York.
Guernsey Earthenware Co., crucibles, Cambridge, Ohio.
Guernsey, R. T., contractor, 253 S. Quince, Philadelphia, P
Guerriere, Daniel A., architect, 647 Main, Hartford, Conn
Guest & Co., wholesale hdwe., New London, Conn.
Guest, Geo., Son, fndrs., 4423 Ludlow, Philadelphia, Pa.
Guffey, J. M., Petroleum Co., lubrg. oils, Pittsburgh, Pa.
Gugert, Francis A., architect, Wayne, Pa.
Guggenheim Bros., meat packers, 46th & Packers av, Chi Ill.
Gugler, Eric, architect, 101 Park Row, New York

ugler Lithographic Co., maps, Milwaukee, Wis.
uiatino Bros., bldg. contrs., Portland, Ore.
uide Motor Lamp Co., W. 114th, Madison, Cleveland, Ohio.
uidone, A. L., & Son, contractors, 52 Vanderbilt av, New York.
uie, Jas., & Sons, paper & pulp mills, Downingtown, Pa.
uignon, E. E., cornices, Corry, Pa.
uignon, H. A., cornices, Corry, Pa.
uilbert & Betelle, architects, 665 Broad, Newark, N. J.
uilbert & Funston, architects, Robinson Bldg., Racine, Wis.
uild & Co., contractors, Chattanooga, Tenn.
uild & Garrison, pump mfrs., 463 Kent av, Brooklyn, N. Y.
uilderland Fdry. Co., Guilderland, N. Y.
uile & Windnagle, grape baskets, Penn Yan, N. Y.
uilford Lbr. Mfg. Co., Greensboro, N. C.
uilford & Waltersville Granite Co., Law Bldg., Baltimore, Md.
uilfoy Cornice Works, 209 8th, San Francisco, Cal.
uillott Metal Gasket & Supply Co., 24 S. Clinton, Chicago, Ill.
*See adv. index at end of book.*
iiou Lbr. Co., masons mtls., Omaha, Nebr.
iiou & Ledwich, see Guiou Lbr. Co. (successors).
iiterman, Rosenfield & Co., platinum, iridium, sheet alum., 35 S. William, New York.
ilbransen-Dickinson Co., pianos, 36 S. State, Chicago, Ill.
ildaman & Son, tubular boilers, Wichita, Kans.
ildberg, Chris. A., architect, 29 W. 34th, New York.
ilf Arm & Creosoting Co., Hattiesburg, Miss.
ilf Bag Co., 330 Notre Dame, New Orleans, La.
ilf Boiler Works, Tampa, Fla.
ilf Chemical Co., Marianna, Fla.
ilf Coast Brick & Tile Co., Brownsville, Tex.
lf Coast Timber Co., ties, Morgan City, La.
ilf Cooperage Co., oil barrels, Frick Annex, Pittsburgh, Pa.
ilf Fertilizer Co., Tampa, Fla.
ilf Galvanized & Metal Works, cornices & skylights, 2845 Magazine, New Orleans, La.
ilf Iron Works, Tampa, Fla.
lf Lbr. Co., Fullerton, La.
lf Mach. Wks., Pensacola, Fla.
lf Packing Co., canned goods, Biloxi, Miss.
lf Paving Co., contrs., Chattanooga, Tenn.
lf Pipe Line Co., Frick Bldg. Annex, Pittsburgh, Pa.
lf Red Cedar Co., lumber mfrs., Richmond, Va.
lf Refining Co., petroleum products, Frick Bldg. Annex, Pittsburgh, Pa.
lf Shingle Co., Mobile, Ala.
lf Smokeless Coal Co., Tains, W. Va.
lf States Belting & Hose Co., Shreveport, La.
lf States Steel Co., Birmingham, Ala.
lf States Lbr. Co., Meridian, Miss.
fport Creosoting Co., Gulfport, Miss.
lfport Fertz. Co., Gulfport, Miss.
lick-Henderson Co., chemists, 21 Park Row, New York.
lick-Henderson Co., metallurgical engrs., 145 W. 36th, Pittsburgh, Pa.
lberg & Smith, book gathering machs., 187 Lafayette, New York.
ledge Lbr. Co., Mendenhall, Miss.
ledge Lbr. & Stave Co., Inc., Bastrop, La.
lett Gin Co., Amite City, La.
liver, John W., bldg. contr., Portland, Me.
nbinsky Bros. Co., cotton waste & wiping rags, 2261 S. Union av, Chicago, Ill.
nbinsky, Oscar & Bros., scrap iron & rubber, Kalamazoo, Mich.
nm Aluminum Castings Co., Manitowoc, Wis.
nmell, Edw. G., contractor, 36 P, N. W., Washington, D. C.
nmey, McFarland & Co., tin plate, 147 N. 10th, Phila., Pa.
np, B. F., Co., flour mill machy., mill & facty. supplies & machsts., 431 S. Clinton, Chicago, Ill.
np, Chas. A., mill & facty. supplies, Dayton, Ohio.
nser, A. W. & Co., willow ware mfrs., Holland, Mich.
nz, Gutknecht & Wussow, bldg. contrs., M. & N. Bk. Bldg., Milwaukee, Wis.
nz, Herman, Boiler Wks., 7 Greenwood Lake R. R.. av, Newark, N. J.
nz, R., & Co., meat packers, Muskego av, Milwaukee, Wis.
Barrel Mfg. Co., New Haven, Conn.
ny, L. W., Co., mill & facty. supplies & cornices, Salisbury, Md.
nkel, Frank, contractor, Germantown, Ohio.
l Mfg. Co., guy anchors, adjusters, etc., E. R., La Crosse, Wis.
l Mfg. Co., mechanical toys, 440 W. 42d, New York.
lerman, Geo. J., contractors, South Bend, Ind.
lerson Milling Co., flour, Kenyon, Minn.
llach, B., architect, 150 Nassau, New York
llach, Chas., cornices, Sandusky, Ohio.
llach, H., contractor, Houghton, Mich.
llach-Manhattan Optical Co., Rochester, N. Y.
ach, P. M., Sons, agricultural implements, Belleville, Ill.
lling, B. V., Co., sash, door & blind, West New York, N. J.
ncke, W. H., Chair Co., Wayland, N. Y.
el, Otto F., cornices, Ft. Wayne, Ind.
, E. G., lumber mfrs., 2211 E. Main, Richmond, Va.
, Carl, & Co., steel mers., 444 Market, San Francisco, Cal.
Furniture Co., Grand Rapids, Mich.
ell Manitowoc Shipbldg. Co., Manitowoc, Wis.

Gunning Boiler & Machine Co., steel plate constr. tanks, etc., New Bedford, Mass.
Gunset, Louis E., htg. contr., 2259 Ryer av, New York.
Gunster Bros., plumbers' & steamfitters' supplies & wholesale hdwe., Scranton, Pa.
Gunther Bros., common brick, Port Washington, Wis.
Gunther, F. W., Co., canned goods, Racine, Wis.
Gunther Hardware Co., Quincy, Ill.
Gunther, Harry H., contr., Galesburg, Ill.
Gunzelman & Cramer, contrs., Somerville, N. J.
Gurd, John A., architect, 597 5th av, New York
Gurley, A. L., & Co., corn brooms, Clovis, N. M.
Gurley, W. & L. E., architects & engineers & instruments & supplies, Troy, N. Y.
Gurney, Ansel S., & Co., masons' & bldrs.' matls., Wareham, Mass.
Gurney Ball Bearing Co., Jamestown, N. Y.
Gurney, D. B., Co., tacks, Whitman, Mass.
Gurney Co., elevators, Honesdale, Pa.
Gurney Elevator Co., 62 W. 45th, New York.
Gurney Heater Mfg. Co. of Boston, steamfitters' supps., E. 42nd, New York, and Franklin & Pearl, Boston, Mass.
Gurney Refrigerator Co., Fond Du Lac, Wis.
Gurney, Wm. H., htg. contrs., Paterson, N. J.
Gurzdowski, Jos. J., architect, 901 Russell, Detroit, Mich.
Guss, E. M., & Sons, whol. hdwe. Mifflin, Pa.
Guss, Walter G., architect, Maryland Bldg., Washington, D. C.
Gussaroff Realty & Constr. Co., 601 W. 149th, New York.
Gussett Boiler Wks., 1140 Marion av, S. W., Canton, O.
Gussman Key Cutting Mach. Co., 1 Madison av, New York.
Gust, G. W., rural mail boxes, Morenci, Mich.
Gustafson, J. H., leaded glass, Rochester, N. Y.
Gustafson Mfg. Co., car brasses, machsts. & fndrs., Chattanooga, Tenn.
Gustafson & Scott Mfg. Co., saw clamps, 4325 Wabansia av, Chicago, Ill.
Gustave Linseed Co., pump oilers, Chicago, Ill.
Gustaveson, P., machsts., Chehalis, Wash.
Gustin-Bacon Mfg. Co., mill & facty. supplies, fuel oil burners, machy., etc., 1604 Grand, Kansas City, Mo.
Gustin, N., & Son, machsts., Johnstown, N. Y.
Gutfleish, A. A., htg. contrs., Lancaster, Pa.
Guth, Alex. Co., architect, 521 Jackson, Milwaukee, Wis.
Guth, C. J., contr., Sacramento, Cal.
Guth Gate Co., Waverly, Ohio
Guth, J. P., architect, Paxton Bldg., Omaha, Nebr.
Guth Mfg. Co., curtain poles & stretchers, 116 E. 24th, New York.
Gutherless, J. E., common brick, Leavenworth, Wash.
Gutherman, J. J., masons' & bldrs.' matls., 32 Chester, Brooklyn, N. Y.
Guthrie, A., & Co., bldg. contrs., 336 Jackson, St. Paul, Minn.
Guthrie, B. B., lumber, Carbon Hill, Ala.
Guthrie, Jones & Co., carriages, Wilmington, Del.
Guthrie, Keith O., contrs., Schenectady, N. Y.
Guthrie Mill & Elevator Co., Guthrie, Okla.
Guthrie-Thompson Co., contractors, Lemcke Bldg., Indianapolis, Ind.
Guthrie, Wm. A., lumber, Indianapolis, Ind.
Guthy, Peter, contractor, 926 B'way, Brooklyn, N. Y.
Gutleben Bros., contractors, New Call Bldg., San Francisco, Cal.
Gutlius, Jno., & Son, carriages, Mifflinburg, Pa.
Gutman, Chas., diamond imp., 35 Nassau, New York
Gutmann, Ferdinand, Co., bottle sealing machs., 134 W. 29th, New York.
Gutradt, Jos., Co., soap, San Francisco, Cal.
Gutschmidt, W. H., cornices, West Hoboken, N. J.
Gutta Percha & Rubber Mfg. Co., rubber goods mfrs., 126 Duane, New York.
Guttenberg Canning Co., Guttenberg, Ia.
Guttenberg, S. A., architect, Proctor Bldg., Mount Vernon, N. Y.
Gutterson & Gould, scrap iron, Lawrence, Mass.
Gutterson, Harry H., architect, 278 Post, San Francisco, Cal.
Guttmann, Paul H., & Co., contractors, 1536 N. Gay, Baltimore, Md.
Guy & McClintock Co., contrs., Oak Park, Ill.
Guyan Lbr. Co., Herndon, W. Va.
Guyan Mach. Shops, armature coils, oxy-acetylene welding, etc., Logan, W. Va.
Guyton & Cumfer Mfg. Co., roofing machs., 4451 Fillmore, Chicago, Ill.
Guzman, A. J., elec. contr., Rockville, Conn.
G. V. Sales Co., polishing cloths, 132 Nassau, New York.
Gwathmey Mfg. Co., Inc., machsts. & fndrs., Harrisonville, Mo.
G. & W. Electric Specialty Co., junction boxes, switches, etc., 7440 So. Chicago av, Chicago, Ill.
Gwilliam Co., The, ball and roller bearings, 23 Flatbush av, Brooklyn, N. Y. *See adv index at end of book.*
Gwilliam Supply Co., pipe fittings, 828 N. Hancock, Phila., Pa.
Gwinn Bros. & Co., flour mills, Huntington, W. Va.
Gwynn-Bacon Vulvanizer Co., 2502 Cass, St. Louis, Mo.
Gwynn, Jas., Burner & Engineering Co., Empire Bldg., Pittsburgh, Pa.
Gwynn Island Fish & Oyster Co., canned, Grimstead, Va.
Gyllenberg, J. A., mach. & fndr., Baker, Ore.
Gypsite Fireproofing Co., tile ceilings, Penobscot Bldg., Detroit, Mich.

Gypsum Canning Co., Port Clinton, Ohio.
Gypsum Fireproofing Co., 205 W. Monroe, Chicago, Ill.
Gyro Motor Co., 744 Girard, N. W., Washington, D. C.
Haack, Louis, gas fixtures, 619 10th av, New York.
Haag, A. W., & Co., bucket & freight elevators, air tanks, clothes washing, chroming & dyeing machy., Reading, Pa.
Haag Bros. Co., clothes washing machs., Peoria, Ill.
Haag, Jacob, contractor, Mount Vernon, N. Y.
Haagen, Paul T., architect, 155 N. Clark, Chicago, Ill.
Haag's Cutting Die Wks., glove machy., Gloversville, N. Y.
Haak, Wm. A., contractor, Flushing, N. Y.
Haak, Wm., Jr., mill & facty. supplies, Madison, Wis.
Haaker, W., Co., canned goods, 182 Franklin, New York.
Haarmann, G., & Co., Inc., steel structural wk., Holyoke, Mass.
Haartz, J. C. (Inc.), artificial leather, 136 Federal, Boston, Mass.
Haas Bros., quicksilver, 61 B'way, New York.
Haas, Chas. C., contractor, Jamestown, N. Y.
Haas, G. M., ornamental iron, Union Hill, N. J.
Haas, Geo. J., architect, Kresge Bldg., Detroit, Mich.
Haas, Harvey B., machst. & fndr., East Greenville, Pa.
Haas, Herman, Hdwe. & Imp. Co., whol. hdwe., Weiser, Idaho.
Haas & Hohmann, cornices & skylights, Kaukauna, Wis.
Haas, Morris, cornices & skylights, 1817 Mary, Pittsburgh, Pa.
Haas, Philip, Co., water closets, Dayton, Ohio.
Haas, R., Elec. & Mfg. Co., transformers, Springfield, Ill.
Haas, R. Julius, Sons, 436 E. 67th, New York.
Haas, W. D., & Co., masons' & bldrs.' matls., Bunkie, La.
Haase-Bohle Carriage Co., 3958 Laclede av, St. Louis, Mo.
Haase Mach. Wks., milling mach. attachmts, Minneapolis, Minn.
Haase Motor Wks., machsts., Milwaukee, Wis.
Haas's, Julius, Sons', contractors, 436 E. 67th, New York.
Habenicht & Howlett, plate glass, 525 Clay, San Francisco, Cal.
Haber, C. A., architect, Monadnock Bldg., San Francisco, Cal.
Haberer & Co., carriage & wagon bodies & seats, Gest & Summer, Cincinnati, Ohio.
Haberer, Felix H., architect, 1510 High, Utica, N. Y.
Haberhorn, J. H., Co., contractors, 384 14th av, Detroit, Mich.
Haberkamp, Wm., Mach. Wks., 442 Wells, Chicago, Ill.
Haberkorn, C. H., & Co., tea wagons, 393 W. Elizabeth, Detroit, Mich.
Haberle, J. B., machinist, South Bend, Ind.
Haberling, Chas., water heaters, Columbus, Ohio.
Haberman Hardware Co., Marion, Ohio.
Habhegger, Fred, brick, Wrenshall, Minn.
Habig, Geo., iron, 2819 Stanford av, Los Angeles, Cal.
Habirshaw Elec. Cable Co., rubber goods, 10 E. 43d, New York.
Hach, Richard G., urinal strainers, 159 E. 26th, New York.
Hachenberg Turbine Co., steam turbines, 66 Myrtle av, Flushing, N. Y.
Hachmeister-Lind Chemical Co., Pittsburgh, Pa.
Hack, W. C., & Sons Hdwe. Co., Shamokin, Pa.
Hackdorn Contracting Co., Board of Trade Bldg., Indianapolis, Ind.
Hacke, H. C., soda ash, 244 California, San Francisco, Cal.
Hackenburg, W. E., & Co., silk thread, 1211 Arch, Phila., Pa.
Hackendahl & Schmidt Co., machts., 16th & Canal, Milwaukee, Wis.
Hackensack Brick Co., Haskensack, N. J.
Hackensack Coal & Lumber Co., Hackensack, N. J.
Hacker, C., Co., sash, door & blind mfrs., Joliet, Ill.
Hacker, C. E., contractors, Brunswick, Me.
Hacker Mfg. Co., machsts., 312 N. May, Chicago, Ill.
Hackett Brass Foundry, castings, 242 Lillibridge, Detroit, Mich.
Hackett-Gates-Hurty Co., hdwe., tin plate, 4th & Rosabel, St. Paul, Minn.
Hackett, J. Fndry. Co., Charlotte, N. C.
Hackett, L. K., & Co., canned goods, Finchville, Md.
Hackett, M., & Sons, contractors, 224 Griffith, Jersey City, N. J.
Hackett Motor Car Co., Jackson, Mich.
Hackett, P., Hardware Co., Ogdensburgh, N. Y.
Hackett, R., & Co., cornices, Richmond, Va.
Hackley, A. C., lumber mfrs., West Winfield, N. Y.
Hackley-Phelps-Bonnell Co., lbr. mfrs., Grand Rapids, Mich.
Hackman, Klehfoth & Co., masons' & bldrs.' matls., Richmond, Ind.
Hackner, E., Co., church furniture, La Crosse, Wis.
Hackney Mfg. Co., agricultural implements, St. Paul, Minn.
Hackney Ventilating Co., blowers, Prior & University, St. Paul, Minn.
Hackney Wagon Co., Wilson, N. C.
Hackwell, E. A., & Co., lbr., Worcester, Mass.
Hackworthy Const. Co., contrs., Appleton, Wis.
Haddock, Chas., machy. dlrs., 343 N. 3d, Philadelphia, Pa.
Haddock, Taliferro & Co., turpentine, Damascus, Ga.
Haddock, Wm. D., & Co., contrs., Wilmington, Del.
Haddorff Piano Co., Rockford, Ill.
Hadentine Lbr. Co., Camden, N. J.
Hadesty, J. M., & Son, gas tapping machs., Tamaqua, Pa.
Hadler, W. E., architect, 1414 Oxford, Richmond Hill, N. Y.
Hadley, Chas. R., Co., loose leaf devices, Los Angeles, Cal.
Hadley-Dean Glass Co., 11th & Lucas av, St. Louis, Mo.
Hadlock, W. E., & Co., binnacles & nautical instruments, 152 State, Boston, Mass.
Hadlow, W. T., contr., Jacksonville, Fla.
Hadsell Bros. Co., lumber mfrs., Worcester, N. Y.
Haeberle Lumber Co., sash, door & blind, Niagara Falls, N. Y.
Haefell, Walter, architect, 229 W. 42d, New York



Haeger Brick & Tile Co., Coal City, Ill.
Haenichen Bros. Silk Co., umbrella cloth, Paterson, N. J.
Haenke, J. M., architect, Chronicle bldg., San Francisco, Cal
Haese Track Sander Co., sand boxes, Milwaukee, Wis.
Haeseler, A. M., Bldg. & Contr. Co., Wainwright Bldg., Louis, Mo.
Haenser, H. C., architect, 445 Milwaukee, Milwakuee, Wis.
Haeussler, A. F., architect, 3440 Park, St. Louis, Mo.
Hafer, C., Lumber Co., Council Bluffs, Ia.
Hafer Foundry & Machine Works, boiler cleaners, Chambe burg, Pa.
Hafer, J. D., cornices & skylights, Reading, Pa.
Hafers, Chris., Iron Wks., archl. iron, 407 W. 37th, New Yor
Haffner Bros. Co., harness leather, 1130 Hopple, C. W., Cinc nati, Ohio.
Haffner, Chas., cornices & skylights, Burlington, Ia.
Haffner, Chas., Co., boilers, 2246 S. Halsted, Chicago, Ill.
Haffner-Veder Cut Stone Co., 1024 Peralta, Pittsburgh, Pa.
Hafker, Bryan, archl. iron, 73 N. Portland av, Brooklyn, N. Y
Hafleigh & Co., case hardening compounds, Cambria & N. Am ica, Philadelphia, Pa.
Hafner Mfg. Co., plate glass; lbr., Main, c Dock, St. Louis,
Haftenkamp, G., cornices, 34th & Prospect av, Kansas City,
Hagaman, Andrew, contractor, Port Richmond, N. Y.
Hagaman, F. L., Co., contractors, Rochester, N. Y.
Hagan & Co., cornices & skylights, Huntington, W. Va.
Hagan & Cushing, meat, Moscow, Idaho.
Hagan, G. W., turpentine, Iron City, Ga.
Hagan Gas Engine Mfg. Co., Winchester, Ky.
Hagan, Jas. A., stone, 1620 S. Laramie av, Chicago, Ill.
Hagan, John, & Co., stone, Comly Ab. Del., Philadelphia, Pa
Hagan, L. T., belt shifters, Winchester, Ky.
Hagans & Isleman, flour mills, Cameron, W. Va.
Hagar Hdwe. & Paint Co., Burlington, Vt.
Hagar Straw Board Paper Co., Xenia, Ohio.
Hagelberg, W., Inc., wall pockets, 5 E. 17th, New York.
Hagelskamp Bros. & Haverkamp, canned goods, Indianap Ind.
Hageman Sign Co., 14 E. Commerce, Youngstown, O.
*See adv index at end of book*
Hagemeyer & Brunn, crude rubber, 82 Beaver, New York.
Hagemeyer Trading Co., cochineal imps., 17 Battery pl., York
Hagen, Geo. J., Co., combustion eng., Peoples Bank Bl Pittsburgh, Pa.
Hagen, Henry, contractor, Fort Benton, Mont.
Hager, C. C., Co. See Keystone Sta. Mfg. Co.
Hager, C. & Son, Hinge Mfg. Co., 2447 De Kalb, St. Louis, M
Hager, Chas., & Son, grease bags, 1876 B'way, New York.
Hager, E. M., & Sons Co., contractors, 141 Elm, Buffalo, N.
Hager, H. F., fertilizer mfrs., Quakertown, Pa.
Hager, Howard, Co., contractors, 6101 Penn av, Pittsburgh,
Hager, Julius, contractor, Janesville, Wis.
Hagerman & Phillips, masons' & bldrs.' matls., Findlay, Ohio
Hagerstown Fdry. Co., castings, Hagerstown, Md.
Hagerstown Heating Co., Hagerstown, Md.
Hagerstown Mantel & Furniture Co., bank fix., Hagerstown,
Hagerstown Metal & Refining Co., brass castings, Hagerst Md.
Hagerstown Shoe & Legging Co., Hagerstown, Md.
Hagerty Bros. & Co., chemical glassware, 10 Platt, New Yor
Hagerty Bros. Co., machsts & mill & facty. supplies, Peoria
Hagg Constr. Co., 1634 Sansom, Philadelphia, Pa.
Haggard & Marcusson Co., iron bedsteads, bunks, cots, ch etc., 1109 W. 37th, Chicago, Ill.
Haggerty, J. Hy., contrs.' tools, 50 South, New York.
Haggerty Refining Co., lubrg. oils, 50 South, New York.
Hagglund, H. E., mop sticks & holders, 410 W. Elm, Chicago
Haggus, Edwin L., architect, Drexel Bldg., Phila., Pa.
Haglin, Stahr Co., contractors, Lumber Exch., Minneapolis, M
Haglock, Fred W., architect, Akron Sav. & Loan Bldg., Akro
Hagstedt, Chas., arc flaming lamps, 139 E. 54th, New Yor
Hagstoz, T. B., & Son, gold alloys, Babbitt metal, etc., 709 som, Philadelphia, Pa.
Hagstrom, Chas. E., & Co., contractors, 1514 Emerson av Minneapolis, Minn.
Hague Box & Lumber Co., Tacoma, Wash.
Hague, Walter E., & Son, electro plating, Barker pl, Pittsb Pa.
Hagy, Clayton L., & Son, mach. wipers, waste cotton & 16th & Carpenter, Phila., Pa.
Hagy, J. Milton, Waste Works, cotton & wool waste, 836 S son, Phila., Pa.
Hagy, W. N., contractor & architect, San Antonio, Tex.
Hahn, A., & Co., traveling bags, 69 5th av, New York.
Hahn, A. F., contractor, Chattanooga, Tenn.
Hahn, Alfred A., architect, Close Realty Bldg., Toledo, O
Hahn, Arthur W., brushes, 7 Dominick, New York.
Hahn, Edward, architect, Bridge Plaza, Long Island City,
Hahn, F. P., contractor, Nazareth, Pa.
Hahn, Frank E., architect, 1112 Chestnut, Philadelphia, I
Hahn, Granville, slate, Walnutport, Pa.
Hahn, Henry, contractor, 247 Summit av, Jersey City, N.
Hahn, Howard H., architect, Kenosha, Wis.
Hahn, J. N., Co., corrugated paper boxes, Cuyahoga & V Cleveland, Ohio.
Hahn Mfg. Co., jigs & fixtures, 5332 Hamilton av, Clev Ohio.

n, Max, Packing Co., meat, Dallas, Tex.
n Motor Truck & Wagon Co., Hamburg, Pa.
n, Scott W., contractor, 5215 Chestnut, Philadelphia, Pa.
ne, Frank, cornices & skylights, Savannah, Ga.
ach Contracting Co., 1261 N. 26th, Philadelphia, Pa.
ermoser, Jos., archl. modelers, 459 Beaubien, Detroit, Mich.
h, Jos., & Sons Co., contractors, 140 S. Dearborn, Chicago, Ill.
ht, Chas. C., architect, 52 Vanderbilt av, New York.
y, C. M., lbr., Ontario, Va.
, G. E., Co., cornices & skylights, Fremont, Mich.
, Geo. M., carriages, Reading, Pa.
, Wm. T., cornices & skylights, Reading, Pa.
er Bookkeeping Mach. Co., adding, 45 Willard av., Providence, R. I.
es, A., cornices, 100 Fulton, Brooklyn, N. Y.
es Co., exhaust & blow piping, etc., 1933 W. Lake, Chicago, Ill.
es, E. C., lumber, Portageville, Mo.
es Gauge Co., 119 S. 4th, Philadelphia, Pa.
es, Geo. S., Co., trunk, 610 Wood, Pittsburgh, Pa.
es, Jones & Cadbury Co., plumbers', mill & facty. supplies—obbers, machsts. & fndrs., 1136 Ridge av, Philadelphia, Pa.
es Jos. H., & Sons, fertilizer mfrs., Medford, N. J.
es Lumber Co., North Tonawanda, N. Y.
es, O. J., & Son, cornices, East St. Louis, Ill.
es, W. P., & Co., pianos, 113 E. 138th, New York.
s, William, architect, 814 Main, Waltham, Mass.
es, William S., & Co., vacuum valves & steam traps, 12th & Buttonwood, Philadelphia, Pa.
ine Bros., common brick, Blandinsville, Ill.
C. E., & Co., architects, Terminal Bldg., Oklahoma City, Okla.
, C. S., & J. G. Link, architects, Helena, Mont.
, James A., machst. & fndr., Weyauwega, Wis.
er Bros. Co., brooms, brushes, 740 N. Franklin, Chicago, Ill.
Geo., Mfg. Co., machsts. & wagon loaders, 141st & Rider v, New York.
Edw. R., contractor, 1701 Main, Buffalo, N. Y.
Anton, pearl buttons, West Willington, Conn.
A. M., & Co., contractors, York, Pa.
Harry, architect, Telephone Bldg., Cincinnati, Ohio.
neyer Mach. Co., Paterson, N. J.
, H. W., Mfg. Co., textile machy., supplies, etc., Millbury, lass.
-Hunter Co., hardware—wholesale, 35 Terminal way, ittsburgh, Pa.
Motor Mfg. Co., automobiles, E. 72d, Cleveland, Ohio.
ay Motor Car Co., Mansfield, Ohio.
ck, C. E., & Co., archl. iron, 23 E. 26th, New York.
sen, F., brick, Fremont, Ohio.
t, Geo., & W., church & theatre decorations, 134 Livgston, Brooklyn, N. Y.
nb Steel Co., Syracuse, N. Y. *See adv. index at end of ook.*
w, Wm. J., Co., contractors, 88 Cliford, Providence, R. I.
Emil, Blow Pipe Wks., 84 Oak, Brooklyn, N. Y.
Marble & Granite Wks., stone producers, Lancaster, Pa.
Alfred, Rubber Co., diving apparatus, 17 Covington, S. B., oston, Mass.
oardman, John M., Inc., shoe pegs & tooth picks, 120 berty, N. Y.
Bros., Co., brass & jack chains, Worcester, Mass.
Buggy Mfg. Co., carriages, Anniston, Ala.
o., desks, etc., 14 Stone, New York.
lec. & Engry. Co., pumps, 1232 E. 3rd, Cleveland, Ohio.
. E., Mfg. Co., book cases, Herkimer, N. Y.
ire Pump Co., Conshohocken, Pa.
Fred A., architect, Continental blk., Salt Lake City, Utah.
as Co., natural gas valve, Neodesha, Kans.
Geo. C., steel hames, ladders, Kansas City, Mo.
. H., & Son, flour mills, Litton, Tenn.
. I., architect, Defiance, Ohio.
as., Mixer Mfg. Co., Kansas City, Mo.
no., & Sons, buckwheat flour, Lyons, Mich.
Cameron, contrs., 7 E. 42nd, New York
Kelsey, steam fitters' supplies, Middletown, Conn.
Kilburn Corp., metal auto bodies, sheet metal stamps, R. R. car seats, metal ship wk., moldings, etc., 18th Lehigh av, Philadelphia, Pa.
otor & Mach. Co., machsts., 654 Franklin, Detroit, Mich.
Hylrea Co., lbr. mfrs., Wausau, Wis.
erley, architect, 6 N. Clark, Chicago, Ill.
Jas., contractor, 1431 Milburn, Toledo, Ohio.
V. W., aniline colors & dyestuffs, 100 William, New York.
& Blanch Elevator Co., 53 Sabin, Providence, R. I.
Hammond Co., mangrove bark, valonea imprts., etc., 129 rl, New York.
Michael S., contractor, Chelsea, Mass.
Patent Leather Co., Winchester, Mass.
Philip J., contractor, Willmar, Min.
lle Oil & Fertilizer Co., Haleyville, Ala.
Tuna Packing Co., canned, Los Angeles, Cal.
J. H., machst., Bridgton, Me.
G., fish line mfrs., Highland Mills, N. Y.
M., Co., machsts., Indianapolis, Ind.
W., & Co., machsts., 633 Plymouth ct, Chicago, Ill.

Hall, Amos H., & Sons, beer coolers, wood tanks, 2915 N. 2d, Philadelphia, Pa.
Hall & Barr, masons' & bldrs.' matls., Cedartown, Ga.
Hall, Benjamin M., architect, Warren, R. I.
Hall-Borchert Dress Form Co., 101 Park av, New York.
Hall Bros., carriages, Jacksonville, Ill.
Hall Bros., contrs., New Britain, Conn.
Hall Bros., dock bldrs., Gloucester, Mass.
Hall Bros., Co., churns, West Acton, Mass.
Hall Bros., Marine Ry. Co., 312 California, San Francisco, Cal.
Hall Bros. & Wood, sash, door & blind, 54th & Lancaster av, Philadelphia, Pa.
Hall & Brown Wood Working Machine Co., wood working machy., 1929-33 N. B'way, St. Louis, Mo.
*See adv index at end of book*
Hall, C. B., brooms, Iola, Kans.
Hall, C. F., Milling Co., lbr., Standish, Mich.
Hall, C. M., Lamp Co., 363 E. Hancock, Detroit, Mich.
Hall, C. R., Lbr. Co., 407 Com. Tribune Bldg., Cincinnati, Ohio.
Hall, C. W., Carriage Co., 191 John, Bridgeport, Conn.
Hall & Carlton, masons' & bldrs.' matls., Elizabeth, N. J.
Hall & Carpenter, tin plate, etc., 518 Race, Philadelphia, Pa.
Hall, Chas., brick, Cass City, Mich.
Hall, Chas. A., Hdwe. Co., Urbana, Ill.
Hall, Chas. Ward, contractor, 130 Nassau, New York.
Hall China Co., East Liverpool, Ohio.
Hall & Chowning, masons' & bldrs.' matls., Shelbyville, Ky.
Hall Concrete Products Co., flower pots, Grassland, Pa.
Hall-Crawford Contrg. Co. See Crawford Morrow Co.
Hall-Curry Construction Co., City Trust Bldg., Indianapolis, Ind.
Hall & Donahue Coffin Co., Knoxville, Tenn.
Hall, Douglas P., architect, 749 5th av, New York.
Hall, E. N., lye, 320 B'way, New York.
Hall, E. R., & Bro., contractors, 34 S. 17th, Philadelphia, Pa.
Hall, Emery S., architect, 64 E. Van Buren, Chicago, Ill.
Hall, Eric E., architect, 123 W. Madison, Chicago, Ill.
Hall, Ernest S., contractor, Brattleboro, Vt.
Hall, Fessenden, veneer mfrs., 218 S. 2d, Philadelphia, Pa.
Hall, Frank A., & Sons, machsts., 120 Baxter, New York.
Hall, Frank B., Co., croquet sets and cross arms, Newton Falls, Ohio.
Hall, G. R., & Co., cornices & skylights, Marlboro, Mass.
Hall, Gardiner, Jr., & Co., cotton thread, S. Willington, Conn.
Hall Gas Engine Co., Garden Bldg., Philadelphia, Pa.
Hall, George B., contrs., Macon, Ga.
Hall, Gen. F., architect, Union Trust Bldg., Providence, R. I.
Hall, Geo. M., Co., contractors, Homestead, Pa.
Hall Hardware Co., 137 W. Washington, Indianapolis, Ind.
Hall Hardware Co., 608 N. 3d, Minneapolis, Minn.
Hall, Harold, architect, Sarastoa, Fla.
Hall, Harry J., & Son, contractors, Findlay, Ohio.
Hall, Herman R., architect, Norwich, N. Y.
Hall-Holmes Mfg. Co., machsts., etc., Jackson, Mich.
Hall, Howard H., Const. Co., contractors, East St. Louis, Ill.
Hall & Hurlbert, machsts., ft. of 24th, Brooklyn, N. Y.
Hall, I. A., & Co., mill & facty. supplies, Paterson, N. J.
Hall Iron Wks., machsts. & fndrs., Lockport, N. Y.
Hall, Irving, stone producer, Norwalk, Conn.
Hall, J. C., Co., R. R. stationery, 68 W. Exchange, Providence, R. I.
Hall, J. F., turpentine, Hazelhurst, Ga.
Hall, J. F., Martin Co., contractors, Stimson Bldg., Los Angeles, Cal.
Hall, J. L. & Son, brick, Derby, Ohio.
Hall, J. P., masons' & bldrs.' matls., 588 Central av, Jersey City, N. J.
Hall, Jas. H., Plow Co., Maysville, Ky.
Hall, John L., lumber, Williamsport, Pa.
Hall, John L., architect, Stuart Bldg., Seattle, Wash.
Hall, Jos., contractor, Logansport, Ind.
Hall & Knight Hardware Co., Lewiston, Me.
Hall-Leeper Hardware Co., Denison, Tex.
Hall & Legan Lbr. Co., Morton, Miss.
Hall & Lethly, architects, Fairbanks Bldg., Springfield, Ohio.
Hall, Lincoln & Co., cotton duck, mops, twine, 154 Milk, Boston, Mass.
Hall, Louis, ties, Heidelberg, Ky.
Hall Lumber Co., 101 Milk, Boston, Mass.
Hall Machine Works, Sebring, Ohio.
Hall, Mackay Construction Co., Chemical Bldg., St. Louis Mo.
Hall Mammoth Incubator Co., Little Falls, N. Y.
Hall Mfg. Co., machsts., fndrs. & fillers, Harrison, N. J.
Hall Organ Co., pianos, West Hartland, Conn.
Hall & Ostergren, architects, 11 S. La Salle, Chicago, Ill.
Hall Paint & Hardware Co., Lawrence, Mass.
Hall-Patterson Bldg. Co., lumber exch., Minneapolis, Minn.
Hall, Peter, contr., Pasadena, Cal.
Hall Printing Press Co., machsts. & fndrs., Dunellen, N. J.
Hall, R. L. & W. H., Newton, Ga.
Hall, R. S., & Co., turpentine, Ocala, Fla.
Hall, Robt. H., architect, Seymour, Ind.
Hall, S. L., Co., oven bldrs., 20 W. Jackson blvd, Chicago, Ill.
Hall, S. P., architect, 67 E. Song, Columbus, O.
Hall Scott Motor Car Co., Crocker Bldg., San Francisco, Cal.
Hall Sherwood Co., whol hardware, Grand Rapids, Mich.
Hall Sidney Carriage Wks., Huntington, Ind.
Hall & Sons, brick, stove linings, etc., Buffalo, N. Y.

Hall Steam Pump Co., gas & air compressors, 213 Galveston, Pittsburgh, Pa.
Hall Switch & Signal Co., machsts., 50 Church, New York.
Hall, T. J., & Co., masons' & bdrs.' matls., sand, gravel, 450 E. Pearl, Cincinnati, Ohio.
Hall-Thompson Co., belt dressing, carbon removers, soap, etc., Hartford, Conn.
Hall & Torrey, mill & facty. supplies, Rockland, Mass.
Hall, W. A., Mfg. Co., elastic hosiery, St. Louis, Mo.
Hall, W., & Co., filter cloths, etc., Lansdowne, Pa.
Hall, W. D., masons' & bldrs.' matls., Harvard, Ill.
Hall, W. L., brick, Madisonville, Ky.
Hall, W. N., sash, door & blind mfrs., Alleghany, N. Y.
Hall, W. P., Stove Co., cooperage stock, Memphis, Tenn.
Hall, W. S., Co., marine steering wheels, Rochester, N. Y.
Hall-Welter Co., check writing machs., Rochester, N. Y.
Hall & Whittington, canned goods, Marion Station, Md.
Hall, Wilbur B., metal nov. & spec., Meriden, Conn.
Hall, Wm. M., Co., steamfitters' supps., North Attleboro, Mass.
Hallack & Howard Lumber Co., packing box mfrs., Denver, Colo.
Hallahan, P. O., contractor, Plymouth bldg., Minneapolis, Minn.
Halladay, L. P., Co., shock absorbers, lamp brackets & hdwe. mfrs., Streator, Ill.
Hallahan & Ahearn, contractors, 271 W. 125th, New York.
Hallam, F. W., & Co., ice & refrig. machy., 379-380 Harmon, Brooklyn, N. Y.
Hallberg, J. H., rheostats, transformers, etc., 1604 B'way, New York.
Hallberg, L. G., architect, 116 S. Michigan av, Chicago, Ill.
Hallenbeck, Earl, architect, 307 Maple, Syracuse, N. Y.
Hallenberg, Adolph, architect, Keller Bldg., Louisville, Ky.
Haller-Cummingham Elec. Co., wireless instruments, 428 Market, San Francisco, Cal.
Haller, Joseph F. See McKenna Brass & Mfg. Co. (successor)
Haller Sign Wks., 115 N. Desplaines, Austin av, Chicago, Ill.
Haller Wagon & Carriage Co., Louisville, Ky.
Hallerman, G., contractor, Schneller av, Price Hill, Cincinnati, Ohio.
Hallet & Davis Piano Co., 146 Boylston, Boston, Mass.
Hallett Bros Co., paper & pulp mills, Mellenville, N. Y.
Hallett, H. D., contr., Aurora, Ill.
Hallett, H. H., architect, 982 Woodward av, Detroit, Mich.
Hallett Iron Wks., Harvey, Ill.
Hallett & Pratt, architects, Mutual Bldg., Richmond, Va.
Hallettsville Hardware Co., Hallettsville, Tex.
Halliday, H. H., Milling Co., wheat flour, Cairo, Ill.
Halliday, H. L., masons' & blds.' matls., sand & gravel dlrs., Cairo, Ill.
Halliday-Rittenhouse Co., mill & facty. supplies, Cairo, Ill.
Hallidie Co., mfgrs. of marine steam turbines & reciprocating engines & mining machinery, Spokane, Wash.
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Hallidie Machinery Co., Smith Bldg., Seattle, Wash.
Halligan, Thos., meat packers, 629 W. 40th, New York.
Hallin Gas Engine & Boat Co., machsts. & fndrs., Tacoma, Wash.
Hallinan Bros., contractors, Little Falls, N. Y.
Halliwell Bros., 317 W. Pico, Los Angeles, Cal.
Halliwell & Co., elec. hair dryers, 64 E. 12th, New York.
Hallman, Oliver F., fndrs., Mont Clare, Pa.
Hallman, Wm., masons' & bldrs.' matls., Pottstown, Pa.
Hallock, Allanson E., carriages, Smithtown Branch, N. Y.
Hallock, F., Co., mill & facty. supplies & whol. hdwe., Derby, Conn.
Hallock, L. G., Son & Co., contractors, Wheeling, W. Va.
Halloran, Matthews W., stone prod., New Britain, Conn.
Halloran, Thos., fndrs., 890 Metropolitan av, Brooklyn, N. Y.
Halloren, J., Lumber Co., Ottawa, Kans.
Hallowell, Chas. T., contractor, 1231 N 61st, Philadelphia, Pa.
Hallowell Granite Wks., Hallowell, Me.
Hallowell & Souder, ties, poles & posts, Harrison Bldg., Philadelphia, Pa.
Hall's, Ellis, Sons Co., dynamite, torpedoes, Oil City, Pa.
Hall's Safe Co., The, 3253-3269 Spring Grove av, Cincinnati, Ohio. *See adv index at end of book.*
Hall's, Sidney, Sons, boilers, Rochester, N. Y.
Hall's, Wm. A., Sons, mill & facty. supplies, 111 Broad, New York
Halltown Canning Co., Halltown, Mo.
Halltown Paper Board Co., box boards, Halltown, W. Va.
H. & A. Lock Co., trunk & bag hdwe. mfrs., 243 44th Brooklyn, N. Y.
Halogen Chemical Co., Bay City, Mich.
Haloid Co., photo. paper, Rochester, N. Y.
Halpern Bros., elec. signs, 115 E. 107th, New York.
Halpern, Isaac, Bros. & Co., scrap iron, 1333 N. Front, Philadelphia, Pa.
Halpin-Boyle Const. Co., contrs., Kansas City, Mo.
Halpin, Jas., cornices, 1719 Fulton, Brooklyn, N. Y.
Halpin, John B., Co., contractors, Elyria, Ohio.
Halpin, Nicholas F., Sr., corn brooms, Deerfield, N. Y.
Hals, John, lbr., Florence, Wash.
Halsall, Geo., boiler compounds, Jamestown, N. Y.
Halsam Products Co., toys, 4114 Ravenswood av, Chicago, Ill.
Halseman, J. C., Mfg. Co., sashes, doors & blinds, Jacksonville, Fla
Halsey, H. B., Co., masons' & bldrs.' matls., South Orange, N. J.
Halsey, J. H., & Smith, patent lthr., New, Newark, N. J.
Halsey Lbr. Co., Charleston, S. C.
Halsey Mfg. Co., temperature regulators, steam traps, etc., 12 1215 Filbert, Phila., Pa.
Halstead, J. N., Lumber Co., Brazil, Ind.
Halstead Milling & Elev. Co., wheat flour, Halstead, Kans.
Halsted Brush Co., 71 Park pl., New York.
Halsted & Co., machsts. & fndrs., 1129 Cherry, Phila., Pa.
Halsted, E. S., & Co., bags, burlap, 64 Pearl, New York.
Halsted, Jos. Co., architectl. & ornamental iron, 1233 W. R dolph, Chicago, Ill.
Halsted Lbr. Co., 529 84th, Brooklyn, N. Y.
Halsted, W. D., Oil Co., 320 E. Water, Milwaukee, Wis.
Halteman, J. L., masons' & bldrs.' matls. & contr., Pottstow Pa.
Halter Cut Glass Co., 489 De Kalb av, Brooklyn, N. Y.
Halton's, Thos., Sons, tex. machy., dobbies, card repeat (Jacquard), Allegheny av & C, Philadelphia, Pa.
Halverson Bros., steamfitters' supplies, Ogden, Utah.
Halyard Hardware Co., Joplin, Mo.
Halyard Mfg. Co., shoe eyelets, Providence, R. I.
Ham, E. A., masons' & bldrs.' matls., Hunter, N. Y.
Ham, E. W., Elec. Co., Worcester, Mass.
Ham, L. M., Co., machsts. & fndrs., 158 Portland, Bost Mass.
Hamachek, Frank, agricultural implements, Kewaunee, Wis
Hamann, J. Henry, architect, 109 Forest av, Brooklyn, N.
Hamar, Alex., common brick, West Lebanon, Ind.
Hamblen, C. F., masons' & bldrs.' matls., mill & facty. suppli wholesale hdwe., St. Augustine, Fla.
Hamblet Brick Co., Portland, Me.
Hamblet, Geo. W., castings, Lawrence, Mass.
Hamblet Hardware Co., Peabody, Mass.
Hamblet & Hayes Co., mill, fact'y & tanners supplies, 284 vonshire, Boston, & Peabody, Mass.
Hamblet Machine Co., Lawrence, Mass.
Hamblin & Russell Mfg. Co., wire specialties, Worcester, M
Hamburg Boiler Wks., tanks, Hamburg, Pa.
Hamburg Broom Wks., Hamburg, Pa.
Hamburg Bros., machsts. & fndrs., Mt. Vernon, Wash.
Hamburg Button Co., 1140 B'way, New York.
Hamburg Canning Co., Hamburg, New York.
Hamburg Knitting Mills, sweaters, cardigans, etc., 685 P av, Brooklyn, N. Y.
Hamburg Lbr. Co., Lemonville, Texas.
Hamburg Planing Mill Co., Hamburg, N. Y.
Hamburg Plow Wks., Hamburg, Pa.
Hamburger Cotton Mills, Columbus, Ga.
Hamburger, E., & Co., mfrs interior hardwood wk., 139 En son pl, Brooklyn, N. Y.
Hamburger, Felix, arc lamps, 44 E. 23rd, New York.
Hamburger, Geo., Tool & Supply Co., mill & fcty. supps., Den Colo.
Hamburger, H., goat & horse hair, bristles, 86 John, New Y
Hamby, A. W., architect, Columbia, S. C.
Hamel, J. J., & Co., lubrg. oils, Union Bk. Bldg., Pittsburgh,
Hamel Shoe Machinery Co., Haverhill, Mass.
Hamer, Fred, cornices, 938 W. North av, Chicago, Ill.
Hamer, J. W., common brick, Armstrong, Ill.
Hamersley Mfg. Co., paper & pulp mills, 232 Greenwich, York.
Hamersville Canning Co., Hamersville, Ohio.
Hamill, Alex., Iron Wks., machsts., 426 Montgomery, Jer City, N. J.
Hamill, D. L., Co., plumbers' supplies, jobbers, 60 Delaware Buffalo, N. Y.
Hamill-Floyd Co., architects, Hirbour Bldg., Butte, Mont.
Hamilton, A., & Son, contractors, 2490 Tiebout av, New Y
Hamilton, Alex. D., contractor, Atlanta, Ga.
Hamilton, Alfred O., furnaces, 820 E. 43d, Chicago, Ill.
Hamilton Autographic Register Co., Hamilton, Ohio.
Hamilton, Bacon, Sign Co., advtg., 2440 W. 22d, Chicago, Ill
Hamilton Bank Note Engraving & Printing Co., street tickets, etc., 142 Adams, Brooklyn, N. Y.
Hamilton-Beach Mfg. Co., electrical labor saving devices & s motors, Racine, Wis.
Hamilton Brick Co., Hamilton, Ohio.
Hamilton Bros., contractors, Lynchburg, Va.
Hamilton Bros. Co., spools, bobbins, Goffstown, N. H.
Hamilton, C. J., & Son, machsts. & fndrs., Plymouth, Mich
Hamilton Caster & Mfg. Co., Hamilton, Ohio.
Hamilton & Chambers Co., steel structural wks., 29 Broad New York.
Hamilton Co., casein, ferro manganese, castor oil, imp., 50 Church, New York.
Hamilton Constr. Co., Hamilton, Ohio.
Hamilton Copper & Brass Wks., machsts. & fndrs., Hamilto
Hamilton Corp., speedometer mfrs., Lancaster, Pa.
Hamilton Cotton Oil Mill, Hamilton, Tex.
Hamilton Emery & Corundum Co., Chester, Mass.
Hamilton, F. B., architect, City Hall, Kansas City, Mo.
Hamilton Fdry. & Mach. Co., Hamilton, Ohio.
Hamilton, Frank H., architects, City Hall, Springfield, Ill.
Hamilton, G. H., Mfg. Co, canvas gloves, etc., Beaver, Pa.
Hamilton, Geo., jewelers' rolls, 144 Pine, Providence, R. I.
Hamilton, Geo. A., architect, Jefferson Co. Bk. Bldg., W town, N. Y.

ilton, H. R. P., architect, 1127 Guardian Trust Bldg., Cleveland, Ohio
ilton & Hamilton, cornices & skylights, Oskaloosa, Ia.
ilton & Hamilton, Jr., silver nov., Providence, R. I.
ilton & Hansell, elec. furnaces, 13 Park row, New York.
ilton Hdwe. Co., whol. hdwe., 74 Cortlandt, New York.
ilton Hardware Corp., mill & automobile supplies, builders' hardware & sporting goods, wholesale, Waterbury, Conn.
ilton Hosiery Mills, sweaters, cardigans, etc., Hamilton, N. Y.
ilton, J. A., & Sons, lumber, Conyers, Ga.
ilton, J. E., lbr., Anacortes, Wash.
ilton, J. H., & Co., tapes, braids, 25 White, New York.
ilton, J. L., architect, 814 Tower ct., Chicago, Ill.
ilton, J. M., stone producers, Marion, Ohio.
ilton, J. T. & A., glass bottles, 26th & A. V. R. R., Pittsburgh, Pa.
ilton, Jas. M., packing box mfrs., Chester, Pa.
ilton, John A., architect, 32 B'way, New York.
ilton, John A., contractor, Manticoke, Pa.
ilton, Jno., Brass Wks., fndrs., Bridgeport, Conn.
ilton, Joseph H. (Est. of), stone producers, Lowell, Mich.
ilton, Jos. S., contractor, Wilmington, Del.
ilton Knitting Mills, sweaters, cardigans, &c., 70 3d, Brooklyn, N. Y.
lton Lbr. & Box Co., Chattanooga, Tenn.
lton Lbr. Mfg. Co., glass, Paterson, N. J.
ilton-Low Co., dish washing & knife cleaning machy., 62 Van Winkle av, Jersey City, N. J.
lton Machine Tool Co., lathes, etc., Hamilton, Ohio.
lton Mfg. Co., advtg. nov., Portland, Me.
lton Mfg. Co., tickings, 77 Franklin, Boston, Mass.
lton Mfg. Co., window shades, Anderson, Ind.
lton Mfg. Co., printers' wooden furniture, Two Rivers, Wis.
lton Metal Products Co., graters, Hamilton, Ohio
lton Motor Car Co., York, Pa.
lton Organ Co., Chicago Heights, Ill.
lton, Otto Coke Co., ammonia & tar mfrs., Hamilton, Ohio.
lton-Parker Fuel & Supply Co., masons' & bldrs' matls., 91 Kilbourne, Columbus, Ohio.
lton, R. A., flour, Beaver Creek, N. C.
lton Ridge Lbr. Co., Richmond, Va.
lton, Robt., & Son, soap, 709 Tasker, Philadelphia, Pa.
lton, Robt., & Sons, fndrs., 56 Water, Brooklyn, N. Y.
lton Rubber Mfg. Co., 1229 S. Michigan, Chicago, Ill.
lton, S. M., Co., masons' & bldrs.' matls., Dunkirk, N. Y.
lton-Sargent Co., architects, Clearwater, Fla.
lton Sheet Metal Co., safe deposit boxes, Hamilton, Ohio
lton Smithing & Mfg. Co., dumping wagons, Hamilton, O.
lton Supply Co., mill & facty. supplies, Hamilton, Ohio.
ton Supply Co., plbrs. supplies, 495 W. 145th, New York.
.ton, Thomas H., architect, 11 N. Market sq, Harrisburg, a.
ton, W. C., & Sons, writing paper, Wm. Penn, Pa.
ton, W. C. T., heating contractors, 2948 Nicollet, Minneapolis, Minn.
ton Wall Paper Co., Wayside av, Jersey City, N. J.
ton Watch Co., Lancaster, Pa.
ton Web Co., cotton webbing, woven labels, Hamilton, . I.
ton Welding Mfg. Co., Hamilton, O.
ton's, T., Sons, steel wire, 1340 E. Berks, Phila. Pa.
n, J. H., & Son, lbr. & shooks, Portland, Me.
r Boiler & Tank Co., 3906 S. Halsted, Chicago, Ill.
r-Eddy Smoke Recorder Co., 3906 S. Halsted, Chicago, Ill.
t Mills, cotton batting, Otter River, Mass.
n, E. F., Brass Co., Union, N. H.
n & Emery Brass Co., castings, 49 Island, Boston, Mass.
n & Morrison, chemical engrs., 119 S. 4th, Phila., Pa.
n & Sons, contrs., Lake Vela, Ill.
n, W. H. & Son, contractors, 35 Greenwich, Providence, I.
. C. E., contractor, Warren, Pa.
M., Co., fertilizer, Washington C. H., Ohio.
acher, Schlemmer & Co., mill & facty. supplies, wholesale we., 133 4th av, New York.
ann Slate Co., Bangor, Pa.
ann, Wm., ventg. caps, 1057 5th, Milwaukee, Wis.
ant & Shoop, machsts. & fndrs., Vassar, Mich.
, John B., architect, York, Pa.
l Oil Burner Co., Los Angeles, Cal.
l Oil Burning Equip. Co., Inc., burners & furnaces, 409 ne, Providence, R. I.
l Riglander & Co., watch crystals, 47 Maiden la. New rk.
r, Bray, Co., stoves & ranges, Ft. Harrison, Oakland, Cal.
r Bros., White Lead Co., E. St. Louis, Ill.
r & Co., carpenters' clamps, machsts. & fndrs., Branford, an.
r Dry Plate Co., Ohio av & Miami, St. Louis, Mo.
r, H. H., machinist, Red Bluff, Cal.
r, Harry G., architect, Glenside, Pa.
r Iron Wks., Fort Smith, Ark.
r Lumber Co., Liberty Bl., Philadelphia, Pa.
r, Thos. B., lumber, Franklin Bk. Bldg., Philadelphia, Pa.
rmill Paper Co., Erie, Pa.
t, A., & H. G. Co., masons' & bldrs.' matls., Newport, R. I.

Hammett, H. G., railroad specialties, Troy, N. Y.
Hammett, J. L., Co., school supplies mfrs., Kendall sq, Cambridge, Mass. *See adv index at end of book*
Hammill, A., fndrs., Beloit, Wis.
Hammill & Gillespie, clays, minerals, etc., 240 Front, New York.
Hammill, Wm. S., Co., contractors, Troy, N. Y.
Hammon Coupler Co., pipe, Farmers Bk. Bldg., Pittsburgh, Pa.
Hammond Lumber Co., Van Buren, Me.
Hammond Asphalt Products Co., paints, Hammond, Ind.
Hammond Bedding Co., cotton felt mattresses, Hammond, Ind.
Hammond, Benj., fertilizers, paints, shingle stains, etc., mfrs., Beacon, N. Y.
Hammond Brass Wks., machsts. & fndrs., Hammond, Ind.
Hammond Brick Co. (Ltd.), Hammond, La.
Hammond Bros., contrs., 1732 Grand av, Kansas City, Mo.
Hammond Byrd Iron Co., pig iron dlrs., Birmingham, Ala.
Hammond, C. S., & Co., maps, 30 Church, New York
Hammond, C. & Son, archts., 179 N. Water, New Bedford, Mass.
Hammond, C., & Son, machsts., Ogontz, Pa.
Hammond, Chas. H., architect, 64 E. Van Buren, Chicago, Ill.
Hammond Cornice Wks., Hammond, Ind.
Hammond, E. L., & Son, files, key rings, Sayre, Pa.
Hammond, Edw. J., Co., lumber, 79 Milk, Boston, Mass.
Hammond Engng. Co., vacuum dryers, etc., Warren, Pa.
Hammond Fire Brick Co., Fairmont, W. Va.
Hammond & Freeman, brick, Dutchess Junction, N. Y.
Hammond, G. H., Co., meat packers, Union Stock Yards, Chicago, Ill.
Hammond, Geo. F., archt., 4220 Prospect av, S. E., Cleveland, O.
Hammond Glue Co., Hammond, Ind.
Hammond, H. G., architect, 4507 W. Trenton, Seattle, Wash.
Hammond Hardware & Supply Co., Ltd., Hammond, La.
Hammond, Harold, architect, Hale Bldg., Philadelphia, Pa.
Hammond Heating Co., 130 E. Pearl, Cincinnati, Ohio.
Hammond-Homberger Co., silk bolting cloth, Silver Creek, N. Y.
Hammond Iron Works, steel plate construction, Warren, Pa. *See adv index at end of book.*
Hammond, J. T., & Son, toys, games & nov., 4534 Hedge, Philadelphia, Pa.
Hammond, J. W., machst., Fredonia, N. Y.
Hammond, John, Co., contractor, 68 N. Washington, Chicago, Ill.
Hammond, Knowlton & Co., silk thread, Putnam, Conn.
Hammond Lumber Co., 260 California, San Francisco, Cal.
Hammond Mach. Co., Haverhill, Mass.
Hammond Mach. & Forge Wks., steel struct. wk., Hammond, Ind.
Hammond Malleable Iron Co., castings, Hammond, Ind.
Hammond Mfg. Co., drilling & tapping machs., 2139 Hamilton av, Cleveland, Ohio.
Hammond Mfg. Co., mill & facty. supplies, Kamm Bldg., Portland, Ore.
Hammond Packing Co., meat, Cheyenne, Wyo.
Hammond Packing Co., machsts. & fndrs., St. Joseph, Mo.
Hammond Process Co., paints, Norwich, Conn.
Hammond Sheet Metal Mfg. Co., 119 Cass av, St. Louis, Mo.
Hammond, Standish Co., meat packers, 20th & Standish, Detroit, Mich.
Hammond Steel Co., Inc., Syracuse, N. Y.
Hammond, Theo. C., cornices, 13 Ferry, Newark, N. J.
Hammond Typewriter Co., 537 E. 69th, New York.
Hammond, W., & Co., whol. lbr., 112 Market, San Francisco, Cal.
Hammond & Yardley, masons' & bldrs.' matls., Stockton, Cal.
Hammons, Geo. L., Inc. See United Asbestos & Packing Co. (successors)
Hammons Land & Lbr. Co., Stuttgart, Ark.
Hampden Brass Co., fndrs., Springfield, Mass.
Hampden Cornice Wks., Springfield, Mass.
Hampden Corundum Wheel Co., Springfield, Mass.
Hampden Glazed Paper & Card Co., Holyoke, Mass.
Hampden Lbr. Co., sash, door & blind mfrs., Springfield, Mass.
Hampden Mfg. Co., hooks, tacks, fasteners, 108 Fulton, New York.
Hampden Paint & Chemical Co., Springfield, Mass.
Hampden Toy Co., Westfield, Mass.
Hampden Watch Co., Canton, Ohio.
Hamper & Basket Mfg. Co., fruit & vegetable packages, Bridgeton, N. J.
Hampshire Mfg. Co., spark plugs, Hatfield, Mass.
Hampshire Paper Co., South Hadley Falls, Mass.
Hampshire Pearl Button Co., Amsterdam, N. Y.
Hampshire Pottery Co., Keene, N. H.
Hampshire Slate Co., Fair Haven, Vt.
Hampson, Jas. A., stone, 3529 S. Leavitt, Chicago, Ill.
Hampstead Fertilizer Co., Hampstead, Md.
Hampton & Branchville R. R. Lbr. Co., Hampton, S. C.
Hampton Bros. Co., contractors, Atlantic City, N. J.
Hampton Elec. & Mach. Co., machy. dlrs., 518 Mission, San Francisco, Cal.
Hampton, Geo. O., contr., E. St. Louis, Ill.
Hampton Guano Co., fertilizer mfrs., Norfolk, Va.
Hampton, J. H., Buggy Co., Leaksville, N. C.
Hampton-Kelley Canning Co., Hampton, Ia.
Hampton Lumber Co., Omaha, Neb.
Hampton Lumber Co., Southampton, N. Y.

Hampton Mfg. Co., auto. reliners, Indianapolis, Ind.
Hampton, Ralph L., baling presses, Honeybrook, Pa.
Hampton Stave Co., lumber & cooperage stock, Fordyce, Ark.
Hampton Stock Farm Co., lumber, Glenwood, Mich.
Hampton, Thomas, contractor, Union Savings Bank Bldg., Washington, D. C.
Hampton, W. E., Co., contractors, San Diego, Cal.
Hamrick Mills, cotton sheetings, Gaffney, S. C.
Hamrick Tank & Barrel Hardshell Enameling Co., 5831 Wissahickon av, Philadelphia, Pa.
Hamson, J., & Son, soap, Lynn, Mass.
Hance, J. W., Foundry Co., Westerville, Ohio.
Hance, Wallace E., architect, Equitable Bldg., Wilmington, Del.
Hanchett Swage Works, Big Rapids, Mich.
Hancock Brick & Tile Co., Findlay, Ohio.
Hancock Bros., architects, Fargo, N. D.
Hancock Bros., flour mills, Albany, Ky.
Hancock, C. W., & Son, contractors, Lynchburg, Va.
Hancock, E. J., architect, 216 Boston block, Seattle, Wash.
Hancock, Flora L., canned goods, Salem, N. J.
Hancock Fdry. Mach. Wks., Hancock, Md.
Hancock, Harbin & Hancock, contractors, Mobile, Ala.
Hancock Inspirator Co., machsts. & fndrs., valve mfrs., etc., 119 W. 40th, New York.
Hancock, J. B., masons' & bldrs.' matls., Cookstown, N. J.
Hancock, Jas., dist., Ludlow, Ky.
Hancock, Lewis, Jr., architect, Coal Exch. bldg., Scranton, Pa.
Hancock, L. W., & Co., contrs., Louisville, Ky.
Hancock Mfg. Co., machsts. & fndrs., Charlotte, Mich.
Hancock S. O., lbr., Casco, Me.
Hancock Shale Brick Co., Hagerstown, Md.
Hancock Stone Co., Findlay, Ohio.
Hancock, W. C., machsts., Concord, Mass.
Hand, B. A., Co., wholesale hdwe., Ottumwa, Ia.
Hand, Edw. L., & Co., 722 Arch, Philadelphia, Pa.
Hand, John E., & Sons Co., binnacles, compasses, indicators, etc., 208 Chestnut, Philadelphia, Pa.
Hand, Jos. A., contractor, 8029 Frankfort av, Philadelphia, Pa.
Hand Knit Hosiery Co., lumbermen's socks, Sheboygan, Wis.
Hand Made Furniture Shop, 426 Armour, Chicago, Ill.
Han-D Metal Products Corp., 681 Communipaw av, Jersey City, N. J.
Hand, Robt. E., ties, poles & posts, Erma, N. J.
Hand Stitch Broom Sewing Machine Co., 424 1st av, Pittsburgh, Pa.
Hand Trading Co., fertilizer, Pelham, Ga.
Hand, W. H., Jr., naval architect, New Bedford, Mass.
Handel Co., machsts. & fndrs., Meriden, Conn.
Handel, Louis, Co., screw mach. products, 138 Center, New York.
Handifold Toilet Paper Co., Leominster, Mass.
Handlan-Buck Mfg. Co., whol. hdwe., mill, facty. & railway supplies, 210 N. 3d, St. Louis, Mo.
Handle & Excelsior Co., Picture Rocks, Pa.
Handley & Co., badges & buttons, 50 John, New York.
Handley, W. A., Mfg. Co., canvas & cotton duck, Roanoke, Ala.
Handlowitch, J., contractor, 579 S. 19th, Newark, N. J.
Handshy, C. E., architect, Zanesville, Ohio.
Handshy, Wm. C., & Son, contractors, Zanesville, Ohio.
Handy Bros., contractors, 106 Field pl, New York.
Handy Bros., lbr. mfrs., Bay City, Mich.
Handy & Harman, gold anodes, 59 Cedar, New York.
Handy Ladder Wks., Cleveland, Ohio.
Handy Light Co., elec. desk lights, 215 Butler, Cincinnati, Ohio.
Handy Mfg. Co., pipe threading dies, stocks, etc., Bridgeport, Conn.
Handy Mfg. Co., screws, clamps, 29 E. Madison, Chicago, Ill.
Handy, N. B., Co., wholesale hdwe., Lynchburg, Va.
Handy Sack Baler Co., Cedar Rapids, Ia.
Handy Specialty Co., hotel silver, 189 W. Madison, Chicago, Ill.
Handy Supply Co., commutator compounds, 11737 Detroit av, Cleveland, Ohio.
Handy Things Mfg. Co., woodenware & novelties, Ludington, Mich.
Hane, F. O., contractor, Bradford, Pa.
Hanel, A. B., Co., contractors, 118 Locust, Milwaukee, Wis.
Hanemann, J. Theo., architect, 50 E. 42nd, New York
Hanes, Jos. H., contractor, Cape May City, N. J.
Hanes Roller Mills, State Road, N. C.
Hanes, Samuel J., & Son, archts., 205½ S. 6th, Springfield, Ill.
Haney Carriage & Mach. Co., machsts., Center Hall, Pa.
Haney, J. H., & Sons, harness, saddles, etc., Omaha, Neb.
Haney School Furn. Co., Grand Rapids, Mich.
Hanford, Arthur, architect, Sellwood Bldg., Duluth, Minn.
Hanford Iron Works, San Bernardino, Cal.
Hanford, J. J., machinist, San Bernardino, Cal.
Hanger, C. F., Co., carriages, 6520 Carnegie av, Cleveland, Ohio.
Hanging Rock Iron Co., Hanging Rock, Ohio.
Hanifen, John, architect, Tribune Bldg., La Salle, Ill., & Ottawa, Ill.
Hanify, J. R., Co., ties, poles & posts, 24 Market, San Fran., Cal.
Hanify Lbr. Co., Raymond, Wash.
Hank Bros., mill & facty. supplies, whol. hdwe., Paducah, Ky.
Hanke Iron & Wire Wks., 800 N. Albany av, Chicago, Ill.
*See adv index at end of book.*
Hanker & Cairns, architects, Scimitar Bldg., Memphis, Tenn.
Hanker, Chas., architect, Toledo, Ill.
Hankey, A., & Co., machsts. & fndrs., Rochdale, Mass.
Hankey, A., & Co., machsts.' tools, Bourse, Philadelphia, Pa.
Hankey Lumber Co., Bowling Green, Ohio.
Hankey Milling Co., flour, Petoskey, Mich.
Hankin, John, & Bro., machsts., 550 W. 25th, New York.
Hankins, H. H., & Bro., masons' & bldrs.' supplies, Bridgeton, N. J.
Hankinson Brick Co., North Augusta, S. C.
Hanks, A. A., assayers, chemists, 630 Sacramento, San Francisco, Cal.
Hanks, Fred. W., meter discs, 10624 St. Clair av, Cleveland, O
Hanks, O. G., & Co., silk thread, Mansfield Center, Conn.
Hanks Stove & Range Co., Rome, Ga.
Hanky Lumber Co., Bowling Green, Ohio.
Hanlein, Hy., & Son, stone, 417 E. 103d, New York.
Hanley-Casey Co., htg. contrs., 1607 Olive, St. Louis, Mo.
Hanley, John, contractor, McGraw Bldg., Detroit, Mich.
Hanley, R. H., machsts., Palatka, Fla.
Hanley, S. V., vehicle washers, 235 Cambridge av, Milwaukee, Wis.
Hanley, Wm. T., dry dock & marine ry., ft. of Washington, Jersey City, N. J.
Hanline Bros., paint mfrs., 25 S. Howard, Baltimore, Md.
Hanlon Contracting Co., Gerke Bldg., Cincinnati, Ohio.
Hanlon Dry Dock & Shipbuilding Co., Oakland, Cal.
Hanlon & Goodman Co., brushes, holders, dusters, etc., 270 Pearl, New York.
Hanlon-Gregory Galvanizing Co., 24th & A. V. R. R., Pittsburgh, Pa.
Hanlon, John J., architectural iron, Allentown, Pa.
Hanlon & Oakes, Sioux City, Ia.
Hanlon, Thos. H., contractor, 1817 Dorchester av, Boston, Mass.
Hanlon & Wilson, hand vacuum cleaners, Wilkinsburg, Pa.
Hanna Bros., masons' & bldrs.' matls., Denison, Tex.
Hanna Engineering Works, 1764 Elston av, Chicago, Ill.
Hanna, F. C., contractor, Cambridge, Ohio.
Hanna, Jno., & Sons, contractors, Chester, Pa.
Hanna, M. A., & Co. iron ores & coke, Leader News Bldg. Cleveland, Ohio.
Hanna Paint Mfg. Co., Columbus, Ohio.
Hanna Stone Co., Chester, Pa.
Hanna & Todd, masons' & bldrs.' matls., Aurora, Ill.
Hanna & Young Handle Co., Poplar Bluff, Mo.
Hannaford, S., & Sons, architects, Hulbert blk., Cincinnati, Ohio.
Hannah Bros., contrs., 142 Sansome, San Francisco, Cal.
Hannah, J. D., contractors, Monadnock Bldg., San Francisco, Cal.
Hannah, J. S., contractor, Williams Bldg., San Francisco, Ca
Hannah & Lay Co., wheat flour, Traverse City, Mich.
Hannah & May Mercantile Co., masons' & bldrs.' matls., Traverse City, Mich.
Hannah, Thomas, architect, 209 9th, Pittsburgh, Pa.
Hannahass, R. L., canned goods, Goodview, Va.
Hannan, F. H., Supply Co., masons' & bldrs.' mtls., Bridgeport, Conn.
Hannan & Finton Co., machy. dlrs., Springfield, Mass. (tr.)
Hannan, P. J., Co., contractors, 3921 Palm, St. Louis, Mo.
Hanneman, Aug., sash, door & blind mfrs., Milton av & Monument, Baltimore, Md.
Hanner & Fredericks, htg. contrs., 824 Amsterdam av, New York.
Hanni, Nicholas, flour, Troy, Mo.
Hannibal Car Wheel & Fdry. Co., Hannibal, Mo.
Hannibal Gas Mach & Mfg. Co., Hannibal, Mo.
Hannibal Lime Co., Hannibal, Mo.
Hannibal Milling Co., flour, Hannibal, Mo.
Hannibal Wagon Co., Hannibal, Mo.
Hannifin Mfg. Co., machsts., 621 S. Kolmar av, Chicago, Ill.
Hannigan, John C., contractor, Schenectady, N. Y.
Hannon, F. J., masons' & bldrs.' matls., 146 Summer, Boston, Mass.
Hannum, H. A., & Co., pinking & scalloping machy., 303 Wallace, Syracuse, N. Y.
Hannum, Philip G., contractor, Atlantic City, N. J.
Hanny, Chas. G., & Co., archl. iron, 856 W. North, Pittsburgh, Pa.
Hano, Philip, advtg. nov., 806 Greenwich, New York.
Hanover Bending & Mfg. Co., carriage rims, Hanover, Pa.
Hanover Brick Co., Morristown, N. J.
Hanover Chem. Wks., Inc., chemicals, aniline dyes & colors, Cliff, New York.
Hanover Contracting Co., 21 Park row, New York.
Hanover Cordage Co., Hanover, Pa.
Hanover Heel & Inpersole Co., boot counters, Hanover, Pa.
Hanover Red Pressed Brick Co., Hanover, Ohio.
Hanover Wire Cloth Co., Hanover, Pa.
Hanovia Chemical & Mfg. Co., thermometers, pyrometers artists' materials, 100 Chestnut, Newark, N. J.
Hanrahan Brick & Ice Co., Kingston, N. Y.
Hanrahan, Thos. M., & Co., contractors, Schenectady, N. Y.
Hanreddy, Jos., contractor & brick, 127 N. Dearborn, Chicago, Ill.
Hansbrough-Johnston Co., contractors, Monadnock Bldg., San Francisco, Cal.
Hanscom Construction Co., 70 Kilby, Boston, Mass.
Hanscom Cutter Wks., milling, 1297 River H. P., Boston, Ma
Hanscom, Frank W., boot counters, Haverhill, Mass.

anscom Hardware Co., Haverhill, Mass.
ansell-Elcock Co., mchsts. & fndrs., Archer & Normal avs, Chicago, Ill.
ansell Grate Co., shaking grates, 80 E. Jackson blvd, Chicago, Ill.
ansell, Wm. S., & Sons, horse collars, 131 Market, Phila., Pa.
ansen, A., motor boat bldrs., ft. Bay 35th, Brooklyn, N. Y.
ansen, A. E., consulting engrs., 2 Rector, New York
ansen, A. M., mchsts. & fndrs., Waupaca, Wis.
ansen & Bain, machsts. & fndrs., San Francisco, Cal.
ansen Bros., common brick, Princeton, Ill.
ansen, Christian, brass & composition fndrs., Bridgeport, Conn.
ansen Constr. Co., First Nat'l. Bank Bldg., Milwaukee, Wis.
ansen, Cornelius, masons' & bldrs.' matls., Bessemer, Mich.
ansen, C. O., architect, 1037 N. Dearborn, Chicago, Ill.
ansen, F. L., contr., 2000 Polk, San Francisco, Cal.
ansen, H. C., Type Foundry, 190 Congress, Boston, Mass.
ansen, Harold M., architect, 112 N. La Salle, Chicago, Ill.
ansen, Joe, contractor, Council Bluffs, Ia.
ansen, John F., contractor, Albert Lea, Minn.
ansen, John & Sons, soap, 824 30th, Milwaukee, Wis.
ansen, Marvin W., elec. lamp flashlights, 38 11th, Toledo, Ohio.
ansen, O. C., Mfg. Co., leather gloves, 291 Milwaukee, Milwaukee, Wis.
nsen & Olsen, brass & composition fndrs., 506 S. Green, Chicago, Ill.
nsen, Otto, contractor, 1220 11th av, Spokane, Wash.
nsen, Otto E., gas logs, Perth Amboy, N. J.
nsen & Peterson Co., contractors, Joliet, Ill.
nsen, Richard, contractor, Duluth, Minn.
nsen's Chr. Laboratory, butter colors, Little Falls, N. Y.
nshaft, Max, scrap iron, rubber, brass, etc., 262 Front, New York.
nson, Albert, Lumber Co., Ltd., Garden City, La.
nson, Alfred, & Son, contractors, Augusta, Me
nson, Andrew, machsts. & fndrs., Alpena, Mich.
nson Bros., scales, 525 N. Ada, Chicago, Ill.
nson Bros., screw mach. products, Plainville, Conn.
nson, C. H., Co., name plates, rubber stamps, stencils, etc., 178 N. Clark, Chicago, Ill.
nson, Chas., bldg. contr., Portland Me.
nson, Chas. A., contractor, Portland, Me.
nson Clutch & Machy. Co., friction clutches, pulleys, etc., Tiffin, Ohio. *See adv. index at end of book.*
nson, F. C., shavings & steel wool, Southbridge, Mass.,
nson, Fred, bldg. contr., Madison, Wis.
nson, H. M., architect, Gloucester, Mass.
nson, Hy., metallurgical engrs., 85 2nd, San Francisco, Cal.
nson, J. L., Co., stationery, 552 W. Adams, Chicago, Ill.
nson & Lantz, canned goods, Edgewood, Md.
nson, Louis Co., barbers' chairs, 1500 N. Kostner av, Chicago, Ill.
nson Mach. Co., Somerville, Mass.
nson Mfg. Co., clocks, Princeton, Ind.
nson Motor Co., auto bldrs, Atlanta, Ga.
nson, O. L., mason, Hartford, Conn.
nson, R., & Sons, lbr., Grayling, Mich.
nson Tool & Die Co., 1330 12th, Detroit, Mich.
nson & Van Winkle Co., platers' machy. & supplies, 269 Oliver, Newark, N. J.
nson-Ward Veneer Co., Bay City, Mich.
nssel, Frank G., contractor, Eliott sq., Buffalo, N. Y.
nssen's, Louis, Sons, mill & facty. supplies, wholesale hdwe., Davenport, Ia.
nstetter, A., airplane parts & supps., 308 Madison av, New York.
nten Mach. Co., Watertown, S. D.
ngood, Frost & Co., contractors, Wellesley, Mass.
ngood, J. J., & Co., lbr., Peru, Vt.
ngood Plow Co., Alton, Ill.
np, Louis, stone producer, 1315 Penna av, Pittsburgh, Pa.
np & Shelverton, architects, Macon, Ga.
npell, Adam, arch'l iron, 408 E. 93d, New York.
npy, Harrison G., architect, Eau Claire, Wis.
nbach's, L., Sons Co., mattresses, Des Moines, Ia.
nbater & Silk, contractors, 106 W. 13th, New York.
nbauer Co., canned goods, Toledo, Ohio.
nbaugh, A. G., Co., axle greases & oils, Hipp Annex Bldg., Cleveland, Ohio.
nbaugh Constr. Co., Akron, Ohio.
nber & Kaufman, contractors, Chamber of Commerce, Detroit, Mich.
nbin Constr. Co., Lexington, N. C.
nbin, Sam'l P., contr., 326 W. 13th, Washington, D. C.
nbison & Gathright, harness, saddles & strap wk. mfrs., Louisville, Ky.
nbison Mfg. Co., mill & facty. supplies & machstts., 1001 Mulberry, Kansas City, Mo.
nbison-Walker Refractories Co., fire & silica brick, Farmers' Bk. Bldg., Pittsburgh, Pa.
nbor Mach. Co., makers of fine tools, 183 High, Boston, Mass.
nbor Springs Lumber Co., Harbor Springs, Mich.
nburger & Stack, crude rubber, beeswax, horse hair, 27 Ferry, New York.
nby, Abrous & Melius, contrs., 30 E. 42nd, New York.
ncus, Adam H., contractor, Racine, Wis.
Harcus & Co., contractors, 774 Russell, Detroit, Mich.
Hard Mfg. Co., bedstead mfrs., 117 Tonawanda, Buffalo, N. Y.
Hardaway, Cargill Co., canned goods, Columbus, Ga.
Hardaway Contracting Co., Columbus, Ga.
Hardcastle, Mrs. K. N., Co., canned goods, Denton, Md.
Harde, Herbert S., architect, 1 E. 42nd, New York
Harden, Frank, contractor, Camden, N. J.
Hardenbergh, Henry J., architect, 47 W. 34th, New York.
Hardenbergh, P. R. L., & Co., fly nets, 237 E. 8th, St. Paul, Minn.
Harder, A. P., cornices, Rockford, Ill.
Harder, Ad & Boesenberg, wall pockets, 377 B'way, New York.
Harder Auto. Truck Co., 149 W. 62d, Chicago, Ill.
Harder, H. J., machsts. & fndrs., Beaver Dam, Wis.
Harder, Julius, architect, 120 W. 32d, New York.
Harder Mfg. Co., agricultural implements, Cobleskill, N. Y.
Hardesty Mfg. Co., iron flumes, Denver, Colo.
Hardesty Mfg. Co., machsts. & fndrs., Dover, Ohio.
Hardgrove, Wm., contractor, Somerville, N. J.
Hardie Mfg. Co., machsts. & fndrs., Hudson, Mich.
Hardie-Tynes Mfg. Co., machsts. & fndrs., Birmingham, Ala.
Hardin Construction Co., 3220 E. Michigan, Indianapolis, Ind.
Hardin, D., Co., interior finish mfrs., Saginaw, Mich.
Hardin-Lavin Co., steam fitters' supps., 4543 Cottage Grove av. Chicago, Ill.
Hardin, M. T., architect, Muskogee, Okla.
Harding, B. W., boilers, Sioux Falls, S. D.
Harding, C. L., architect, 729 15th, N. W., Washington, D. C.
Harding, E. R., Co., contractors, Racine, Wis.
Harding & Fancourt, oils, soap, cotton softeners, etc., 516 S. Del., Philadelphia, Pa.
Harding, H. C., mill soaps, Sedgley W. 17th, Philadelphia, Pa.
Harding, H. W., Lumber Co., Hamilton blvd & Midland av, Detroit, Mich.
Harding, J. W., flour mills, Claysville, Ky.
Harding, J. W., & Co., mill & facty. supplies, Lynn, Mass.
Harding, John W. R., umbrella mfrs., 1528 Gillingham, Philadelphia, Pa.
Harding, L., & Sons, scrap iron, steel & rubber, Omaha, Neb.
Harding, Malcolm B., architect, Westfield, Mass.
Harding Mfg. Co., screw driver & knife mfrs., Mansfield, Mass.
Harding, P. E., Constr. Co., Industrial Trust Bldg., Providence, R. I.
Harding & Seaver, architects, 7 North, Pittsfield, Mass.
Harding, Slattery & Buchanan, contractors, Crawfordsville, Ind.
Harding, Walter J., architect, Lawrence, Mass.
Harding, Wm., Jr., roofing slate mfrs., Pen Argyl, Pa.
Hardinge Bros., watchman's portable clocks & watchmakers' & jewelers' tools, 4203 Ravenswood av, Chicago, Ill.
Hardinge Conical Mill Co., grinding mills, etc., 120 B'way, New York.
Hardison, W. T., & Co., masons' & bldrs.' matls., 11 S. Front, Nashville, Tenn.
Hardisty & Co., auger bits, etc., Garland Linwood, Cincinnati, O.
Hardito Metals, Inc., annealing boxes & pyometer tubes, 3 Park Row, New York.
Hardman Button Co., Beverly, Mass.
Hardman, C. C., Co., sashes, doors & blinds, Shreveport, La.
Hardman Lbr. Co., Elkins, W. Va.
Hardman, Peck & Co., pianos, 433 5th av, New York.
Hardman Rubber Corp., automobile tubes, New Brunswick, N. J.
Hardman Tire & Rubber Co., 207 W. 76th, New York.
Hardner, Geo. H., contractor, Allentown, Pa.
Hardock, Benj., mattresses, 531 N. 2d, Philadelphia, Pa.
Hardsocg Mfg. Co., adze mfrs., Ottumwa, Ia.
Hardsocg, Martin Co., spike pullers & tool mfrs., 922 South av, Pittsburgh, Pa.
Hardsog Wonder Drill Co., drill sharpening machines, Ottumwa, Ia.
Hardt Generator Co., Easton, Pa.
Hardware Age, trade publication, 239 W. 39th, New York.
Hardware Agency Co., 159 High, Boston, Mass.
**HARDWARE DEALERS' MAGAZINE,** trade publication, Grand Central Palace, New York. *See adv. index at end of book*
Hardware House of Am., Inc., wholesale, 78 Warren, New York.
**HARDWARE NEWS,** 1315 Fulton bldg., Pittsburgh, Pa. *See adv index at end of book*
Hdwe. Review, trade publication, Woolworth Bldg., New York.
Hdwe. Spec. Mfg. Co., Anderson, Ind.
Hdwe. Spec. Mfg. Co., 810 Montrose av, Chicago, Ill.
Hardware & Supply Co., hardware, automobile & electrical supp., 21-29 W. Market, Akron, Ohio
Hdwe. Supply Co., Grand Rapids, Mich.
Hardware & Supply Co., 215 Canal, New York.
Hardwick, C. H., & Co., granite, Quincy, Mass.
Hardwick Polishing Co., granite prod., Hardwick, Vt.
Hardwick Stove Co., cast iron hollow ware, Cleveland, Tenn.
Hardwick, W. M., machy. dlrs., Dalton, Ga.
Hardwicke-Etter Co., whol. hdwe. & mill & facty. supps., Sherman, Tex.
Hardwood Door Co., 160 W. 5th, St. Paul, Minn.
Hardwood Finish Co., sash, door & blind mfrs., Athens, Ohio.
Hardwood Flooring Co. See Harris Hardwood Co., Inc. (successors)
Hardwood Interior Co., flooring, 446 6th, San Francisco, Cal.
Hardwood Mfg. Co. See Northern Bag Co. (successors)
Hardwood Mine Roller Co., Punxsutawney, Pa.
Hardwood Products Co., sash, door & blind, Neenah, Wis.

Hardwood Record, trade publication, 537 S. Dearborn, Chicago, Ill.
Hardy Buggy Co., Paducah, Ky.
Hardy, Chas., Inc., mineral broker, 50 Church, New York
Hardy, Chas. H., contractor, Ayer, Mass.
Hardy County Milling Co., flour, Moorefield, W. Va.
Hardy & Day, contractors, Beverly Farms, Mass.
Hardy & Dischinger Co., mill & facty. supplies, Toledo, Ohio.
Hardy, F. A., & Co., 10 S. Wabash av, Chicago, Ill.
Hardy, Frank H., mill baskets, foundry brushes, Andover, Mass.
Hardy, Geo. F., architect & mill engr., 309 B'way, New York.
Hardy, H. K., contractor, Jackson, Miss.
Hardy, Harry E., contractor, 148 Burrill, Lynn, Mass.
Hardy, L., Co., machsts., Worcester, Mass.
Hardy Mach. Co., N. Baltimore, Ohio.
Hardy Paint & Varnish Co., Toledo, Ohio.
Hardy & Streeter, contractors, 95 Milk, Boston, Mass.
Hardy & Tierney, pipe & boiler coverings, etc., 410 E. 23d, New York.
Hardy, Voorhees & Co., sash, door & blind mfrs., Met. av, Brooklyn, N. Y.
Hardy, Wallace L., machst., Joliet, Ill.
Hardy, W. F., machst., Champaign, Ill.
Hardy, Wm. A., & Sons Co., Babbitt metal, auto & brass castings, etc., Fitchburg, Mass.
Hare, A. A., hot air furnaces, 300 Woodward av, Detroit, Mich.
Hare & Hare, landscape archs., Gumbel Bldg., Kansas City, Mo.
Hare, J. M., machsts. & fndrs., Noblesville, Ind.
Hare, Lou G., contr., Salinas, Cal.
Hare, Robinson-Hughes, lumber mfrs., 15th, Richmond, Va.
Hare, W., & Son, carriages, Noblesville, Ind.
Harer, G. V., contractors, Lykens, Ohio.
Hargett, P. L., & Co., wholesale hdwe., Frederick, Md.
Hargrave, W. T., sash, door & blind, Petersburg, Va.
Hargrove & Ruth Lumber Co., Poplar Bluff, Mo.
Harig, Henry, & Co., contractors, 31 E. 4th, Cincinnati, Ohio.
Haring, D., contractor, Clinton, Ia.
Haring, Ellsworth, iron & steel merchant, 114 Liberty, New York.
**HARKER MANUFACTURING CO.**, fire appliances, 121-123 W. Third, Cincinnati, Ohio *See adv index at end of book*
Harker Pottery Co., East Liverpool, Ohio.
Harkins, M. T., contr., Lewiston, Me.
Harkins, T. B., Fdry. Co., Bristol, Pa.
Harkness, Albert, architect, Grosvenor Bldg., Providence, R. I.
Harkness & Cowing Co., stearic acid, candles, Murray av & Carthage Pike St. B., Cincinnati, Ohio.
Harl, David G., architect, Punxsutawney, Pa.
Harl, McKean, contractor, Punxsutawney, Pa.
Harlan & Hollingsworth Corpn., ship builders, Wilmington, Del.
Harlan, J. M., Lumber Co., Indianola, Ia.
Harlan Morris Mfg. Co., cooperage stock, Jackson, Tenn.
Harland, Wm., & Son, varnishes, Buffalo, N. Y.
Harleigh-Brookwood Coal Co., anthracite, N. A. Bldg., Philadelphia, Pa.
Harleigh Iron Wks. Co., machsts., Hazleton, Pa.
Harlem Mfg. Co., valves, 518 W. 55th, New York.
Harlem River Lbr. & Wood Working Co., 138th & Gerard av, New York.
Harlem Supply Co., plumbers' supplies—jobbers, 116 E. 124th, New York.
Harley, Alvin E., architect, 435 Woodward, Detroit, Mich.
Harley Bros., mill & facty. supplies, Geneva, Ohio.
Harley Burglar Proof Ventg. Sash Lock Mfg. Co., hdwe. mfrs., 3341 Ogden av, Chicago, Ill.
Harley, C. & G. P., lime, Delphi, Ind.
Harley, Chas., Co., scrap iron, 650 7th, San Francisco, Cal.
Harley Co., machts. & fndrs., Springfield, Mass.
Harley-Davidson Motor Co., motor cycles & bicycles, 3732 Chestnut, Milwaukee, Wis.
Harley, J. S., fly nets, Quakertown, Pa.
Harley, P. N., Hardware Co., Waycross, Ga.
Harlow, Alfred B., architect, Farmers Bank Bldg., 5th av, Pittsburgh, Pa.
Harlow Lbr. Co., Hartford, Conn.
Harlow, William H., & Sons, masons' & bldrs.' matls., 95 Pierce, Boston, Mass.
Harman Bros., machsts., 1915 Washington av, Phlidelphia, Pa.
Harman & de Rundeau, flour mills, Crimora, Va.
Harman Eave Trough Hanger Co., New Philadelphia, Ohio.
Harman, Ed F., posts (steel), Rosewood, Ohio.
Harman Engng. Co., ice & refrigerating machy., Charlotte, N. C.
Harman & Hassert, machsts. & fndrs., Bloomsburg, Pa.
Harman, John B., architect, 56 N. Duke, Lancaster, Pa.
Harman, Jno. H., architect, Uniontown, Pa.
Harman & Moyer, machsts. & fndrs., Freeburg, Pa.
Harmer Laboratories Co., acid monochloracetic & ethyl bromide, 1704 Market, Phila., Pa.
Harmon, Arthur Loomis, architect, 3 W. 29th, New York.
Harmon, C. A., & Son, grey iron castings & diaphragm screens, Watertown, N. Y.
Harmon Color Works, Inc., color mfrs., College Point, L. I., N. Y.
Harmon Creek Coal Co., Oliver Bldg., Pittsburgh, Pa.
Harmon & Dixon, whol. hdwe., 117 Chambers, New York.
Harmon, F. L., & Co., mattresses, Tacoma, Wash.
Harmon Paper Co., Brownville, N. Y.
Harmon & Reid, flour, Kernersville, N. C.
Harmon & Son, stone producers, Lannon, Wis.
Harmon, William H., & Son, architects, Beverly, Mass.
Harmond, A. H., contr., 130 N. Wells, Chicago, Ill.
Harmony Grove Mills, cotton sheetings, Commerce, Ga.
Harmony Mills, cotton sheetings, Cohoes, N. Y.
Harms Bros., machsts., 1730 Thames, Baltimore, Md.
Harn, Willard E., Co., contractors, 2314 Oak, Baltimore, Md.
Harnden, Jas. H., Co., stone prod., 991 Grand, Brooklyn, N.
Harned, Henry P., architect, 231 Wisconsin av, Oak Park, Ill.
Harney Bros., contrs., Aledo, Ill.
Harney, G. E., architect, 320 5th av, New York.
Harney, Jos. G., contractor, 3619 18th, San Francisco, Cal.
Harney, Wm., range boilers, 1349 N. Warnock, Philadelphia, P
Harnisch, Ad. A., archl. modelers, Syracuse, N. Y.
Harnois, F. Louis, architect, 100 E. 16th av, Denver, Colo.
Harper Brick Co., Harrison, N. J.
Harper Brush Wks., mop handles, Fairfield, Ia.
Harper Buggy Co., Columbia City, Ind.
Harper & Buttendorff Co., contractors, Oak Park, Ill.
Harper, C. M. C., masons' & bldrs. matls., Boston, Pa.
Harper, David, masons' & bldrs.' matls. & contr., Harison, N.
Harper, F. C., Screw Works, 29 S. Clinton, Chicago, Ill.
Harper, Fred D., dry batteries, Everett, Mass.
Harper, G. H., Co., veneer mfrs., Orange, N. J.
Harper-Hill Brick Co., common, Seattle, Wash.
Harper, John R., mill & facty. supplies, Rome, N. Y.
Harper Lumber & Bldg. Co., Meadville, Pa.
Harper & McIntire Co., wholesale hdwe., Ottumwa, Ia.
Harper Machy. Co., 50 Church, New York.
Harper, M. I., lbr., Reform, Ala.
Harper Mfg. Co., mill & facty. supplies, Chester, Pa.
Harper Oriphone Co., audiphones, 294 Washington, Bosto Mass.
Harper & Reynolds Co., mill & facty. supplies, 152 N. Mai Los Angeles, Cal.
Harper, Thos., brass fndrs., 204 Lafayette, New York.
Harper, W. E., Co., silver nov., New Britain, Conn.
Harper, Walter, stone, Ridley Park, Pa.
Harperly Hall Co., Central contractors, P. N. & 64th, New Yor
Harpers Brass Wks., Portland, Ore.
Harpers Ferry Paper Co., Harpers Ferry, W. Va.
Harpham Bros., Co., horse collars, harness, etc., Lincoln, Neb
Harpold Bros., wholesale hdwe., Ravenswood, W. A.
Harpole, John A., brick, Clinton, Ky.
Harpring, L. H., & Bro., cornices, 1236 S. Shelby, Louisville, K
Harps, J. A., Mfg. Co., oil cans, automobile tanks, Greenfield,
Harpster & Bliss, architects, Nantucket bldg., Akron, Ohio.
Harrah Mfg. Co., tools, Bloomfield, Ind.
Harrah & Stewart Mfg. Co., brooms, soap, Des Moines, Ia.
Harral Soap Co., 136 Havemeyer, Brooklyn, N. Y.
Harrell, H. D., architect, Bennettsville, S. C.
Harrell, R. A., Buggy Co., carriages, South Boston, Va.
Harrigan, J., & Son, cornices & skylights, 111 Liverpool, Boston, Mass.
Harrigan, John J., masons' & bldrs.' matls., Beverly, Mass.
Harrigan Safe Co., Kansas City, Mo.
Harriman Fdy. & Mach. Wks., industrial & mine cars & equi ment, Harriman, Tenn.
Harriman, L. P., brass fndrs., Lyndonville, Vt.
Harriman Mfg. Co., agricultural implements & plow stock Harriman, Tenn.
Harriman Milling Co., flour, Harriman, Tenn.
Harriman Motors Co., South Glastonbury, Conn.
Harriman, S. H., dowels, Fryeburg, Me.
Harring, F. J., & Co., fndrs., Grand Rapids, Mich.
Harrington, B. E., & Sons, canned goods, Taylors Island, Md.
Harrington Bros., bldg. contrs., 3919 Flad av, St. Louis, M
Harrington, C. W., Co., contrs., Branford, Conn.
Harrington Canning Co., Harrington, Del.
Harrington Cutlery Co., Southbridge, Mass.
Harrington, E. G. & Co., pianos, 433 5th av, New York. ping machines, etc., 17th & Callowhill, Philadelphia, Pa.
Harrington, Geo. S., Co., tex. machy., pickers (hair), Washington, N. Boston, Mass.
Harrington & Howard, architects, Dubois, Pa.
Harrington, Hubert, mill & facty. supplies, Fargo, N. D
Harrington, Jno. (Est. of), stone, Chambridge, Mass.
Harrington, King & Co., mill & facty. supplies, 79 Commerci Boston, Mass.
Harrington & King Perforating Co., mining screens, 614 Union av, Chicago, Ill.
Harrington, Edwin, Son & Co., drilling, staybolt threading ta
Harrington Mach. Co., Erie, Pa.
Harrington Milling Co., lumber, Harrington, Wash.
Harrington, P. J., stone producers, Norwich, Conn.
Harrington-Peters Co., contractors, Oriental Bldg., Seattle, Wa
Harrington & Richardson Arms Co., gun & pistol mfgrs., W cester, Mass.
Harrington-Robinson & Co., steel structural dlrs., 45 Bro field, Boston, Mass.
Harrington, T. J., knives, shoemakers' tools, Southbridge, Ma
Harrington, T., & Sons, contractors, 558 Montgomery, Jers City, N. J.
Harrington, W. H., architect, 19 E. 48th, New York.
Harris, A. H., sash, door & blind, Pittston, Pa.
Harris, A. J., & Co., scrap iron, Lowell, Mass.

ris, A. W., & Co., lubrg. oils & greases, 17 Battery pl., New York
ris, A. W., Oil Co., boiler compounds, lubricating oils, etc, 326 S. Water, Providence, R. I.
ris Air Pump Co., 421 W. South, Indianapolis, Ind.
ris, Alfred & Co., cotton & wool waste, 146 Summer, Boston, Mass.
ris, Alfred W., architect, Schofield Bldg., Cleveland, Ohio.
ris, Arthur, & Co., fndrs., 212 N. Curtis, Chicago, Ill.
*See adv index at end of book*
ris Automatic Press Co., E. 71st, Cleveland, Ohio.
ris Bag Co., 508 Caxton, Cleveland, Ohio.
ris, Benj., Co., badges & buttons, 229 Bowery, New York.
ris, Benj., & Co., smelters & refiners & scrap dealers, 21st & Loomis, Chicago, Ill.
ris Brick Co., Cincinnati, Ohio.
ris Bros., masons' & bldrs.' matls., Zanesville, Ohio.
ris Bros., whol. hrwe., 226 S. Main, Los Angeles, Cal.
ris Bros., Co., second hand bldg. matls. & machy. dlrs., 35th & Iron, Chicago, Ill.
ris, Burt, scrap iron, 30 Church, New York.
ris, C. E., Hardware Co., Rockville, Conn.
ris, C. F., contractor, Youngstown, O.
ris, C. P., masons' & bldrs.' matls., Meadville, Pa.
ris, C. S., contractor, Price, Utah.
ris, C. S., cornices, Shelter Island Heights, N. Y.
ris, C. S., Co., machsts, Rome, N. Y.
is Calorific Co., 2828 Wash. av, Cleveland, Ohio.
ris Carriage Co., Lynchburg, Va.
ris, Chas. E., auto wheels, Easthampton, Mass.
ris, Chas. F., & Co., carriages, Littleton, N. H.
ris-Clark Co., machsts,, Westfield, N. J.
ris Clay Co., Dillsboro, N. C.
is Creek Lbr. Co., Horseshoe Bend, Idaho.
ris, Delancey P., Hardware Co., 24 Murray, New York.
ris, D. D., Jr., contr., Mound City, Ill.
ris, Dell W., architect, 1015 Union, Seattle, Wash.
ris, Edgar T., contractor, South Hadley Falls, Mass.
ris Emery Co., cariage cloth, flannels—woolen, Penacook, N. H.
is Engine Co., Front & Orange, Wilmington, Del.
ris, F. T., architect, Redlands, Cal.
ris Fire Apparatus Co., fire extinguisher & supps., 39 E. 19th, New York.
ris, Franklin M., & Co., contractors, 1820 Wylie, Phila., Pa.
ris, Frederick T., wire, 69 Sprague, Providence, R. I
ris, G. H., Co., poker sets, 61 Clymer, Brooklyn, N. Y.
ris, Geo. D., contractor, Albion, N. Y.
ris, Geo. W., Co., loom harness, Lowell, Mass.
ris, C. J., Granite Quarries Co., Salisbury, N. C.
ris Engng. Co., jigs & fixtures, tapping machs., hob grinding machs., multiple slide presses, offset drilling attachments, gauges of all descriptions & spec. machy., models, etc., 1047 Broad, Bridgeport, Conn.
ris, H. P., cornices & skylights, Monticello, Ill.
ris Hardware Co., Washington, N. C.
is, Hardwood Co., Inc., flooring, Roanoke, Va.
ris & Harrington, English hall clock, 29 Park pl, New York.
ris, Harvey E., architect, 20 Montgomery, San Francisco, Cal.
ris, Herman A., contr., 5001 Lexington av, N. E., Cleveland, Ohio.
is, I. H., lumber, Woodstock, Va.
is Ice Mach. Wks., Portland, Ore.
is Iron & Supply Co., Memphis, Tenn.
is, J., Co., gas stoves, Cleveland, Ohio.
is, J. P., canned goods, Preston, Md.
is, J. W., mill & facty. supplies, whol. hdwe., Americus, Ga
is Knitting Mills, knitted gloves, Armat & Lena, Gtn., Philadelphia, Pa.
is, L., contr., Benton, Ill.
is, L., & Sons, plate glass, 177 Greenwich, New York.
is, L. W., contr., Bakersfield, Cal.
is Laboratory, Inc., rubber tests, 26 Cortlandt, New York
is, Leonard B., architect, 233 B'way, New York
is, M. R., masons' & bldrs.' matls., Ottawa, Kans.
is Machinery Co., Washington & University, S. E., Minneapolis, Minn.
is Mfg. Co., feed carriers, bowls, cattle stanchions, etc., Salem, Ohio.
is Mfg. Co., lumber, Johnson City, Tenn.
is Mfg. Co., machinists, Stockton, Cal.
is & Merritt, architects, Erie Co. Bk. Bldg., Buffalo, N. Y.
is Milling Co., flour, Mt. Pleasant, Mich.
is, Morgan, contractor, Carnegie, Pa.
is Municipal Garbage Incinerator & Steam Generator Co., Nashville, Tenn.
is Oil & Grease Wks., lubrg., Titusville, Pa.
is, P. E., & Co., canned goods, Seattle, Wash.
is, P. S., bank & office railings, Wheeling, W. Va.
is Player Piano Co., Binghamton, N. Y.
is Pump & Supply Co., water supply systems, 320 2d av, Pittsburgh, Pa.
is, R., traveling bags, 4824 S. Main, Los Angeles, Cal.
is, R. F., & Co., agricultural implements, Charlottesville, Va.
is, R. H., & Sons, carriages, Pulaski, Tenn.
is, Ralph C., architect, 79 W. Monroe, Chicago, Ill.

Harris & Reed, ball & roller bearing auto. hubs, bicycle parts & sundries, 1500 W. 15th, Chicago, Ill.
Harris & Richards, architects, Drexel Bldg., Philadelphia, Pa.
Harris, Robt. L., architect, Calvert Bldg., Baltimore, Md.
Harris, S. A., & Co., sleeving cotton, 119 S. 4th, Phila., Pa.
Harris, S. H., Co., archl. iron, 2424 W. 22nd, Chicago, Ill.
Harris Safety Co. (of Youngstown, O.), archl. iron, 39 E. 19th, New York.
Harris, Samuel, & Co., machsts., mill, facty. supplies & tools, 114 N. Clinton, Chicago, Ill.
Harris-Smith Coal & Coke Co., Uniontown, Pa.
Harris Smokeless Furnace Co., Nashville, Tenn.
Harris Soap Co., 18 Stetson, Buffalo, N. Y.
Harris-Stevens Co., cages, cars, fans, etc., Pittsburgh, Pa.
Harris Trunk Mfg. Co., Portland, Ore.
Harris, W. E., architect, Portsmouth Bldg., Kansas City, Mo.
Harris, W. E., & Hall, A. V., landscape architects, 110 Franklin, Buffalo, N. Y.
Harris, W. H., lbr., East Sullivan, N. H.
Harris-Wheaton Co., boot counters, 157 Pearl, Boston, Mass.
Harris, William & Sons, mason bldrs., Seymour, Conn.
Harris, Wm. M., Jr., masons' & bldrs.' matls., 546 Atwells av, Providence, R. I.
Harris Wood Fibre Mantle Co., 1569 Columbus, N. W., Cleveland, Ohio.
Harris & Alden, architects, Exchange Bk. bldg., St. Paul, Minn.
Harrisburg Bag & Box Co., paper flour bags, Harrisburg, Pa.
Harrisburg Brass & Bronze Foundry, Harrisburg, Pa.
Harrisburg Burial Case Co., Harrisburg, Pa.
Harrisburg Foundry & Machine Co., engine builders, Harrisburg, Pa.
Harrisburg Fdry. & Mach. Shop, Harrisburg, Ill.
Harrisburg Hdwe. Co., whol. hdwe., Harrisburg, Pa.
Harrisburg Iron & Steel Co., scrap, Harrisburg, Pa.
Harrisburg Mfg. & Boiler Co., hot air furnaces & steam heaters, Harrisburg, Pa.
Harrisburg Pipe & Pipe Bending Co., rolling mill, Herr nr. 10th, Harrisburg, Pa.
Harrisburg Roll Grinding & Corrugating Co., Harrisburg, Pa.
Harrisburg Stamping Co., Harrisburg, Pa.
Harrisburg Warehouse & Lbr. Co., Harrisburg, Ore.
Harrison, B. J., Mfg. Co., folding camp & steamer chairs, Arkville, N. Y.
Harrison, B. J., Son Co., piano benches, Winsted, Conn.
Harrison Bolt & Nut Co., Harrison, N. J.
Harrison Bros. & Co., chemicals, 35th & Grays Ferry av, Philadelphia, Pa.
Harrison Bros. & Co., carriages, Jersey, Ohio.
Harrison Bros. Co., sand & gravel dlrs., Tacoma, Wash.
Harrison Bros. Contrg. Co., Western Port, Md.
Harrison Bros., Inc., abrasives, Amesburg, Mass.
Harrison Co., cardboard signs, Union City, Ind.
Harrison & Co., key cutting machs., 81 New, New York.
Harrison Constr. Co., Petersburg, Va.
Harrison & Craig Co., contractors, 23 Clinton, Newark, N. J.
Harrison & Curtis, masons' & bldrs.' matls., Newburgh, N. Y.
Harrison, D. A., carriages, Clarksville, Tenn.
Harrison & Dean, Inc., conts., Huntington, W. Va.
Harrison, D. L., canned goods, Brosius, W. Va.
Harrison Dust Guard Co., Toledo, Ohio.
Harrison Elec. Co., Van Brunt, Brooklyn, N. Y.
Harrison Engineering & Constr. Corp., Elicott sq., Buffalo, N. Y.
Harrison Fertilizer Co., Harrison, Ga.
Harrison, E. L., architect, Memphis, Tenn.
Harrison Granite Co., 200 5th av, New York.
Harrison, H. H., & Co., engrs., employment agencies, Assn. Bldg., Chicago, Ill.
Harrison, Jas. S., & Co., wood handles, Addison, N. Y.
Harrison, John (Est. of). See Harrison, John, Corp. (successors)
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Harrison, Joseph D., architect, 52 Vanderbile av, New York.
Harrison, M. Joseph, architect, 63 Park Row, New York.
Harrison, M., & Son, cornices, 214 E. 52d, New York.
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Harrison Machine Works, 717 N. Main, Los Angeles, Cal.
Harrison Mfg. & Boiler Co., boilers, pipe, etc., Harrisburg, Pa.
Harrison, Merritt, architect, Bd. of Trade Bldg., Indianapolis, Ind.
Harrison & Meyer, contrs., Oliver Bldg., Pittsburgh, Pa.
Harrison, R. C., & Co., stone, 3d & Allegheny, Philadelphia, Pa.
Harrison Radiator Corp., Lockport, N. Y.
Harrison, Robt., Co., auto. wood bodies, 330 W. 1st, So. Boston, Mass.
Harrison Safety Boiler Works, machsts. & fndrs., Allegheny & 17th, Philadelphia, Pa.
Harrison Sq. Fndry. Co., Boston, Mass.
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Harrison, Walter H., landscape architect, La Mott, Pa.

Harrison, Wm. H., brick, E. 49th, opp. Guy av, Cleveland, Ohio.
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twell Iron Wks., Houston, Tex.
twell Mills, cotton sheetings, Hartwell, Ga.
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e, Harry R., architect, 408 9th, Brooklyn, N. Y.
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Harwood & Quincy Mach. Co., Worcester, Mass.
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Haucke, Geo., Co., wholesale hardware, Springfield, Ohio.
Hauenstein, Alfred G., Lbr. Co., 3050 Main, Buffalo, N. Y.
Hauenstein & Co., linseed oil & cake mills, 39 Vincennes, Buffalo, N. Y.
Hauer, Harvey T., architect, 311 Columbus av, Phila., Pa.
Hauer, J. B., panel board cabinets, 23 Richardson, Brooklyn, N. Y.
Haugaard, Henry E., architect, Hillside Bk. Bldg., Richmond Hill, N. Y.
Haugaard, William E., architect, 185 Madison av, New York
Haugh, J. G., & Co., baling presses, Bassom, Ohio.
Haugh, T. M., tubular boilers, Mannington, W. Va.
Haughton Elev. & Mach. Co., 679 Spencer, Toledo, Ohio.
Haumerson, F. H., & Sons, brick, Racine, Wis.
Haupt Constr. Co., 307 W. 8th, Los Angeles, Cal.
Haupt & Swerdloff, contractors, 5th & Locust, Philadelphia, Pa.
Hauptman, A., cup strainers, 23 Leonard, New York.
Hauptmann, Wm., arch'l iron, 410 E. 104th, New York.
Haury Hardware Co., 470 Broadway, Cleveland, O.
Hausburg, E. O., watchman's clocks, 45 Maiden la, New York.
Hauschildt & Ekins, leather belting, 222 Center, New York.
Hause, Chas. F., Mfg. Co., plbrs. supplies, Omaha, Neb.
Hausen Const. Co., Caswell blk., Milwaukee, Wis.
Hausen & Yorke Co., h'dwe, whol., 88 Warren, New York.
Hauser Bros. Fdry. Co., 1859 E. 28th, Minneapolis, Minn.
Hauser, Edgar F., architect, 9 Clinton, Newark, N. J.
Hauser, John, stone prod., 2333 Ridge av, Philadelphia, Pa.
Hauser Lumber Co., Franklin, Minn.
Hauser-Owen-Ames Co., contractors, Grand Rapids, Mich.
Hauser Packing Co., 2300 E. 9th, Los Angeles, Cal.
Hauser Shade Cloth Co., Chicago Heights, Ill.
Hauser-Stander Tank Co., wood tanks, Cincinnati, Ohio.
Hauser & Weil, advtg. nov., 142 5th av, New York.
Hauserman, E. F., Co., steel lockers, shelving, partitions & to boxes, & steel facty equipt., Fenestra Bldg., Cleveland, O
Hausfeld Co., burners, furnaces & fdry. equipt., Harrison, Ohi
Hausle, Frank, architect, 81 E. 125th, New York.
Hausle, Max, architect, 3307 3rd av, New York
Hausleiter, Julius, & Co., glass stainers, 298 Fulton, Brookly N. Y.
Hausling, F. M., waterproofing materials, 9 Orchard, Newar N. J.
Hausman, Nicholas N., architect, Glen Cove, Long Island Cit N. Y.
Hausman & Wimmer Co., scrap iron & steel & rubber, 111 2 av, Pittsburgh, Pa.
Haussmann & Dunn Co., surgical & dental instruments, 708 Clark, Chicago, Ill.
Hausmann, Geo., & Sons, meat packers, 51st & Westminster a Philadelphia, Pa.
Hausmann Mfg. Co., binder attachments, Long Prairie, Minn.
Hausmann, Otto, & Co., organs, 1208 Kinnickinnic, Milwauke Wis.
Haut, Gustave, brick, Perham, Minn.
Hauthaway, C. L., & Sons, polishes, 346 Congress, Boston, Ma
Havana Mfg. Co., mchsts. & fdrs., Havana, Ill.
Havana Metal Wheel Co., Havana, Ill.
Havard, O. D., Co., coal meters, Scranton, Pa.
Havell Mfg. Co., hdwe. mfrs., 284 Washington, Newark, N.
Haven & Hoyt, architects, 220 Devonshire, Boston, Mass.
Haven Malleable Castings Co., Cincinnati, Ohio.
Haven Mfg. Co., floor scrapers, Racine, Wis.
Haven, R. H., & Son, copper wire, Bridge & Front, Grand Ra ids, Mich.
Havens Bros. Mfg. & Supply Co., machsts., Denver, Colo.
Havens, Fred A., & Co., contractors, 845 N. 19th, Phila., Pa.
Havens, Harold A., cable grips, Syracuse, N. Y.
Havens Oil Co., Washington, N. C.
Haverford Coll., engng. school & coll., Haverford, Pa.
Haverhill Box Board Co., Haverhill, Mass.
Haverhill Construction Co., Haverhill, Mass.
Haverhill Fire Appliance Co., Haverhill, Mass.
Haverhill Tack Co., Haverhill, Mass.
Haverhill Wood Heel Co., Haverhill, Mass.
Haverly Bros., lumber mfrs., Gallupville, N. Y.
Haverstick, Albert, & Son, paper bags, 11 S. Lititia, Phila., P
Haverstick & Co., mill, factory and steam fitters' supplies, Rochester, N. Y.
Haverstick Construction Co., Noblesville, Ind.
Haviland Clay Works, Haviland, O.
Haviland, L. P., canned goods, Camden, N. Y.
Haviland Shade Roller Co., 407 Broome, New York.
Haw Hardware Co., Ottumwa, Ia.
Hawaiian Commercial & Sugar Co., Alaska Commercial Bld San Francisco, Cal.
Hawaiian Fertilizer Co., 256 California, San Francisco, Cal.
Hawbolt, Chas. H., sheet metal doors, Portland, Me.
Hawes & Dodd, mosaic floor, mantels, 59 E. Adams, Chicago,
Hawes, E. A., Jr., lumber, Atkinson, N. C.
Hawes, Edwin Co., heating contr., 726 Main, Worcester, Mass
Hawes, Henry F., architect, Urban Bldg., Louisville, Ky.
Hawes, J., Mfg. Co., toys, games & nov., Towanda, Pa.
Hawes, R. H., Const. Co., Witherspoon Bldg., Philadelphia,
Hawes, S. H., & Co., masons' & builders' materials, 1801 Cary, Richmond, Va.
Hawes, Willard, & Co., lumber, Lewis & 7th, New York.
Hawesville Hub Mfg. Co., Hawesville, Ky.
Hawgood Tire Equipment Co., rubber vulcanizers, Indiana lis, Ind.
Hawk, A. J., Sons, cooperage stock, Rockford, O.
Hawk-Eye Compound Co., bailer compounds, 357 W 63d, Chica & 140th & Seeley av, Blue Island, Ill.
Hawk, J. W., architect, Security Bldg., Oklahoma City, Okla.
Hawk, O. E., & Co., architects, 522 Williamson av, Youn town, Ohio.
Hawk, Otis E., & Co., contractors, Youngstown, Ohio.
Hawken-Wollgast Co., metal parts, 184 Beaubien, Detroit, Mi
Hawker, W. S., Mfg. Co., wood working machy., portable, E. Bacon, Dayton, Ohio.
Hawkes Boiler Co., 140 S. Dearborn, Chicago, Ill.
Hawkes, E. M., granite, Rochester, N. H.
Hawkes-Jackson Co., thumb tacks, 38 Murray, New York.
Hawkes, L. W., & Co., mattresses, Lowell, Mass.
Hawkes, T. G., & Co., glass tumblers, Corning, N. Y.
Hawkeye Adtg. Co., spec., Clarinda, Ia.
Hawkeye Compound Co., boiler compounds, Blue Island, Il
Hawkeye Ltg. Rod Co., Cedar Rapids, Iowa.
Hawkeye Fdry Co., machsts & fdrs., Waterloo, Ia.
Hawkeye Lumber & Coal Co., masons' & bldrs.' matls., Ce Rapids, Ia.
Hawkeye Lumber Co., Oskaloosa, Ia.
Hawkeye Mfg. Co., machy., Waterloo, Ia.
Hawkeye Mfg. & Repair Co., automobiles, Sioux City, Ia.
Hawkeye Oil Co., Waterloo, Ia.
Hawkeye Pearl Button Co., Muscatine, Ia.
Hawkeye Portland Cement Co., Des Moines, Ia.
Hawkeye Pump Co., poultry coops, Farfield, Ia.

rkeye Supply Co., plumbers' supplies, jobbers, Mason City, Ia.
rkeye Wrench Co., Marshalltown, Ia.
rkins, Alfred W., & Son, glass stainers, 1823 S. 19th, Philadelphia, Pa.
rkins Co., tacks, animal traps, South Britain, Conn.
rkins, Geo. A., sash, door & blind mfrs., 367 Fulton, B'klyn, N. Y.
rkins, H. J., machsts. & fndrs., Downers Grove, Ill.
rkins Hardware Co., Hattiesburg, Miss.
kins, J. H. W., architect, 28 Stockton, Jacksonville, Fla.
kins, O. J., architect, Newark, Ohio.
kins, Rollyn, hot air furnaces, Indianapolis, Ind.
kins, Wilson Co., machsts., 712 Sansom, Philadelphia, Pa.
kinson, Carl N., architect, 332 S. Michigan av, Chicago, Ill.
kridge Bros., Co., steel merchants, 303 Congress, Boston, Mass. *See adv. index at end of book.*
ks Hardware Co., Goshen, Ind.
ks-Maupin Co., hdwe. & bldrs.' matls., Portsmouth, Va.
ley & Cheadle Construction Co., Clinton, Ia.
ley Down Draft Furnace Co., Easton, Pa.
ley, E. J. & C. H., machsts. & fndrs. & stone working machy., Manchester, Vt.
ley Glass Co., bottles, glass, Hawley, Pa.
ley Hardware Co., Bridgeport, Conn.
ley, Hughson, arch'l water colorists, 1 Union sq, New York.
ley, John, lbr., Ontonagon, Mich.
ley, John F., contractor, Hostetter Bldg., Pittsburgh, Pa.
ley Mfg. Co., cork pullers, Stepney, Conn.
ley Produce & Storage Co., masons' & bldrs.' matls., Perry, N. Y.
ley Pulp & Paper Co., Oregon City, Ore.
ley School of Engng., Boston, Mass.
ley, W. O., contractor, Savannah, Ga.
s, A. & J., & Sons (Ltd.), brick, saddle sleeves, etc., Johnstown, Pa.
s, Dan'l B., glue mfrs., 30 N. 5th, Philadelphia, Pa.
s, Geo. A., lubrg. oils, 135 Front, New York.
s, Harvey, architect, Ardmore, Pa.
s, Samuel R., & Sons, contractors, Ardmore, Pa.
s, Wm., pckg. box mfrs., 154 9th, Brooklyn, N. Y.
thorn Pottery Co., Hawthorn, Pa.
thorn, W. S., masons' & bldrs.' matls., Dayton, O.
thorne Hardware Co., Elgin, Ill.
thorne, Lewis Co., sash, door & blind mfrs., New Haven, Conn.
thorne Paper Co., Kalamazoo, Mich.
Budden Mfg. Co., anvils, forgings, rings, etc., 254 N. Henry, Brooklyn, N. Y.
Fndry. & Iron Wks., Plum Point la, Newark, N. J.
Hdwe. Co., Oskosh, Wis.
Houston Axle Co., Coshocton, Ohio.
Jas. P., Lbr. Co., Murray, Ky.
John, granite prod., Hardwick, Vt.
Lbr. Co., Spring Grove av & June, Cincinnati, Ohio.
Mark, architect, Annawan, Ill.
& Peabody Casket Co., Portland, Me.
Thos., & Sons Co., contractors, Racine, Wis.
Tool Mfg. Co., alfalfa stackers, Council Bluffs, Iowa.
Trade Journal Publishing Co., Canajoharie, N. Y.
Wm. A., contractor, Orange, N. J.
e, S. J., Const. Co., contrs., Cliff dr & Woodland av, Kansas City, Mo.
en, A. W., contractor, Albuquerque, N. M.
en Automatic Block Mach. Co., Columbus, Ohio.
en Bros., lbr., Hollis, N. H.
en Co., interior hardwood work, 450 Park av, New York.
en & Derby Mfg. Co., heaters, injectors, etc., 119 W. 40th, New York.
en, E. W., Co., polishing mops & furniture polish, Toledo, O.
en, G. W., brass castings, Cambridge, Mass.
en Hardware Co., Windsor, Mo.
en, J. M., Co., mill & facty. supplies, Grand Rapids, Mich.
en, L. S., machsts. & fndrs., Essex, Conn.
en Mach. Co., Alton, Ill.
en, Samuel H., shoe patterns, Haverhill, Mass.
en Supply Co., mill & factory supplies, Grand Rapids, Mich.
en, W. B., & Sons Co., masons' & bldrs.' matls., Cassopolis, Mich.
en & Westcott Lbr. Co., 80 E. Jackson blvd., Chicago, Ill.
en, Wm., Milling Co., wheat flour, Tecumseh, Mich.
nville Button Co., Haydenville, Mass.
nville Co., cocks, faucets, pumps, valves, etc., machsts. & ndrs., Haydenville, Mass.
on, A. & M., bolts, 304 N. 22d, Philadelphia, Pa.
, Andrew A., architect, Edgewater, N. J.
, A. L., Co., lumber, Nashville, Tenn.
, A. W., masons' & bldrs.' matls., Joliet, Ill.
Bros., Inc., steam htg. contrs., Indianapolis, Ind.
, C. H., Corporation, lbr., Haverhill, Mass.
, C. I., elec. ovens, 9 King av, Providence, R. I.
, Chas. A., architect, Terminal Sta., Mobile, Ala.
Constr. Co., Dunkirk, Ind.
-Defenderfer Co., truck units, 1876 B'way, New York.
Duster Co., 5 W. 4th, New York.
E. B., Machy. Co., mill & facty. supplies, Marshall, Tex.
, E. B., Machy. Corp., Oshkosh, Wis.

Hayes, E. L. S., bldg. contr., 1019 Chestnut, St. Louis, Mo.
Hayes Equipment Co., machinery, mill & factory supplies, Engineers Bldg., Cleveland, O.
Hayes File Co., 474 Franklin, Detroit, Mich.
Hayes, Geo., Co., cornices, metal lath, 311 E. 23d, New York.
Hayes-Ionia Co., auto. metal bodies, Ionia, Mich.
Hayes, J. L., & Co., masons' & bldrs.' matls., Lewiston, Me.
Hayes, John, heating contr., 806 N. 14th, St. Louis, Mo.
Hayes, Jos. A., escutcheons, 284 Devonshire, Boston, Mass
Hayes Loom, Reed & Harness Co., Woonsocket, R. I.
Hayes-Lucas Lbr. Co., Winona, Minn.
Hayes & McFerrin, flour mills, Readyville, Tenn.
Hayes Mfg. Co., fenders, forgings, mufflers, auto, 480 Maybury, Detroit, Mich.
Hayes Mfg. Co., range boilers, Paterson, N. J.
Hayes & Miller Co., auto. wood bodies, 518 W. 57th, New York.
Hayes, Norman B., contractor, Watertown, N. Y.
Hayes, Oser C., contr., Call Bldg., San Francisco, Cal.
Hayes, Paul J., architect, Austin, Minn.
Hayes Pump & Planter Co., Galva, Ill.
Hayes, R. L. & M. H., carriages, 203 E. Town, Columbus, & Cleveland, Ohio.
Hayes Run Fire Brick Co., Orviston, Pa.
Hayes Textile Co., underwear, Oswego, N. Y.
Hayes Track Appliance Co., machsts., Richmond, Ind.
Hayes Wheel Co., Jackson, Mich.
Hayes, Wm. W., contractors, 180 Jessie, San Francisco, Cal.
Hayman, Jos. C., masons' & bldrs.' matls., Racine, Ohio.
Hayman, Mich'l, & Co., tin, spelter, ingots, etc., Buffalo, N. Y.
Hayman, Milton, architect, 36 Pearl, Hartford, Conn.
Hayman & Stegkamper, contractors, 3250 Euclid av, Cleveland, Ohio.
Haymond & Howard, contractors, Waldron, Ind.
Hayner, Geo. M., paper twine, 541 W. 56th, New York.
Hayner, J. M., & Co., canned goods, South Lebanon, Ohio.
Hayner, Norman C., Co., boiler compounds, Rochester, N. Y.
Haynes, A. F., architect, Watertown, Mass.
Haynes Auto. Co., Kokomo, Ind.
Haynes Bros. Co., sashes, doors & blinds, Cadillac, Mich.
Haynes, C. A., architect, Aberdeen, Wash.
Haynes & Chalmers Co., whol. hdwe., Bangor, Me.
Haynes, Chas., architect, Mehlhorn Bldg., Seattle, Wash.
Haynes & Co., numbering machs., steel stamps, etc., 75 Westminster, Providence, R. I.
Haynes Construction Co., 42 Court, Boston, Mass.
Haynes, Geo. E., architect, Miller Bldg., Pittsfield, Mass.
Haynes Hardware Co., Emporia, Kans.
Haynes-Langenberg Mfg. Co., htg. contrs., 4045-57 Forest Park blvd, St. Louis, Mo.
Haynes Lumber Co., Port Huron, Mich.
Haynes Mach. Co., Vanburen, Ind.
Haynes Mattress Factory, Sealy, Tex.
Haynes Stellite Co., stellite, Kokomo, Ind.
Haynes-Thompson Co., plumbers' supplies, jobbers, 2107 Vine, Philadelphia, Pa.
Haynes-Walker Co., lbr., Paden, Miss.
Hays, Alden F., masons' & bldrs.' matls., Sewickley, Pa.
Hays, E. F., & Sons, whol. hdwe., Chicora, Pa.
Hays, G. W., & Son, cornices, Washington, Pa.
Hays, Geo. W., ladders, 228 5th, Milwaukee, Wis.
Hays & Hoadley, architects, 2010 B'way, New York.
Hays, Jos. W., Corp., gas analysis apparatus, Mich. City, Ind.
Hays, L., harness, Wichita, Kans.
Hays Mfg. Co., brass & iron products for plumbing, gas, water & steam, Erie, Pa.
Hays, O. G., lumber, Keil, Ill.
Hay's, Sam'l W., Sons, machy. dlrs., Phipps Power Bldg., Pittsburgh, Pa.
Hays, Wm. C., architect, First Nat. Bk. Bldg., San Fran., Cal.
Haysler Iron Co., whol. hdwe., 1206 Union, Kansas City, Mo.
Haysler Mfg. Co., machsts., Clinton, Mo.
Hayslip & Dear, lumber, Alexandria, La.
Hayssen Mfg. Co., bakers' machy., Sheboygan, Wis.
Hayt, S. T. (Est. of), flour mills, Corning, N. Y.
Hayward Co. (The), digging, ditching, dredging & excavating machinery, etc., 50 Church, New York. *See adv index at end of book.*
Hayward, S. F., & Co., fire extinguishers, mine rescue app., etc., 250 W. 54th, New York.
Hayward, S. F., & Co., mill & facty. supplies, 104 W. 8th, Philadelphia, Pa.
Hayward Wrench Co., St. Louis, Mo.
Haywood Bros. & Wakefield Co., willow ware mfrs., Wakefield, Mass.
Haywood Implement Co., Indianapolis, Ind.
Haywood Tire & Equipment Co., machsts., Indianapolis, Ind.
Haywood, Wm. T., architect, Mt. Gilead, N. C.
Hazard Gould & Co., machy. dlrs., San Diego, Cal.
Hazard Lead Wks., paint mfrs., Hazardville, Conn.
Hazard Mfg. Co., insulated wires & cables, Wilkes-Barre, Pa.
Hazel Atlas Glass Co., Wheeling, W. Va.
Hazel Brick & Tile Co., Hazel, Ky.
Hazel Dell Slate Co., roofing slate mfrs., Slatington, Pa.
Hazel Hill Canning Co., Fredericksburg, Va.
Hazel Mill Co., lbr. mfrs., Blanchard, Wash.
Hazell, A. M., dock bldrs., 26 Cortlandt, New York.
Hazen-Brown Co., metal polish, 727 Atlantic av, Boston, Mass.

Hazen-Brown Co., rubber goods, Brockton, Mass.
Hazen, H. C., Contr. Co., 2070 Reading rd., Cincinnati, Ohio.
Hazen Mfg. Co., machsts. & fndrs., Hudson, Mich.
Hazen, Wyane S., agricultural implements, Ripon, Wis.
Hazledine, E. T., Co., machsts., Terre Haute, Ind.
Hazlehurst Mach. Shop, Hazlehurst, Miss.
Hazlehurst Oil Mill & Fertilizer Co., Hazlehurst, Miss.
Hazleton-Fitch Co., mill & facty. supplies, Pontiac, Mich.
Hazleton Hardware Co., Hazleton, Pa.
Hazleton Iron Wks. Co., machsts. & fndrs., Hazleton, Pa.
Hazleton Machy. & Supply Co., contractors' tools & supplies, Hazleton, Pa.
Hazleton Mfg. Co., coffins, Hazleton, Pa.
Hazleton Steam Htg. Co., Hazleton, Pa.
Hazlett, Hugh, & Son, contractors, 1701 N. 20th, Phila., Pa.
H. & B. Amer. Mach. Co., cotton machy., Pawtucket, R. I.
H. C. Tack Co., Cleveland, Ohio.
Heaby, Wm., architect, 288 Hawthorne av, Yonkers, N. Y.
Heacock & Hokanson, architects, Bailey Bldg., Philadelphia, Pa.
Head Lumber Co., Prescott, Ariz.
Headfort Bros. & Hitchins Fdry. Co., Waterloo, Ia.
Headland Fertilizer Works, Headland, Ala.
Headley & Adams, sash, door & blind mfrs., Ocean City, N. J.
Headley Good Roads Co., 301 S. 30th, Philadelphia, Pa.
Headley, Samuel H., contractor, Atlantic City, N. J.
Headlund, architect, Dooly Bldg., Salt Lake City, Utah.
Headman, Aug. G., architect, New Call Bldg., San Fran., Cal.
Headrick, F. E., common brick, Bellingham, Wash.
Heafey, John, contr., Oakland, Cal.
Heald, Jno. H., & Co., tanning & bark extracts, Lynchburg, Va.
Heald Machine Co., surface internal cylinder & ring grinders, magnetic chucks, Worcester, Mass.
Heale, J. A. & Co., typewriter ribbons, oils, rubber stamp inks, etc., 96 John, New York.
Heakin, Harold L., architect, 4801 B'way, Kansas City, Mo.
Healey & Co., stor. battery trucks & carriages, 1652-58 Broadway, New York.
Healey, P. J., foundation, boring & sewer cleaning contractors, 41 Cortlandt, New York.
Healey, Peter, fndrs., Evansville, Ind.
Health Hog Oiler Co., Kenton, Ohio.
Health Merry-Go-Round Co., carousels, organs, etc., Quincy, Ill.
Healy, Geo., machst., 11 Alling, Newark, N. J
Healy, Henry J., architect, 320 5th av, New York.
Healy, John E., & Son, Wilmington, Del.
Healy, Michael, boilers, Toledo, Ohio.
Healy-Tibbitts Constr. Co., 9 Main, San Francisco, Cal.
Healy, Wm. F., contractor, 82 W. Washington, Chicago, Ill.
Healy's, S. A., Sons, wood handles, West Chesterfield, Mass.
Heames, W. E. & Co., masons' & bldrs.' matls., Detroit, Mich.
Heaney Mfg. Co., metal polish, 164 State, Boston, Mass.
Heaney, Nicholas L., stone producers, Point Pleasant, Pa.
Heaney, P. J. Co., masons' & bldrs'. malts, West Farms rd & 172d, New York.
Heap, Thos., masons' & bldrs.' matls., Urbana, Ohio.
Heap, Wm., & Sons, plumbing mat'l, Grand Haven, Mich.
Heaphy, A. C., bldg. contr., 301 W. 103rd, New York
Heaphy, Wm. A., masons' & bldrs'. matls., Lee, Mass.
Heaps, Clarence E., contractor, Moline, Ill.
Heaps, S. Leroy, architect, Kewanee, Ill.
Heard Bros., fertilizer, Macon, Ga.
Heard & Cardwell, architects, Peoples Nat'l Bk. Bldg., Lynchburg, Va.
Heard, Cardwell & Craighill, architects, Danville, Va.
Hearn, J. C., mach. wks., 38 W. Swan, Columbus, Ohio.
Hearn, John J., Constr. Co., 65 W. 46th, New York.
Hearne Bros. & Co., coffins, Whitakers, N. C.
Hearne, Robt. J., perforating machs., 12 Wooster, New York.
Hearne Timber Co., Times Bldg., St. Louis, Mo.
Hearsch-Wesson Mfg. Co., lbr., Flint, Mich.
Hearsey-Willis Co., automobile accessories (jobbers), 408 N. Capitol, Indianapolis, Ind.
Heartick, E. G., cornices, 915 E. B'way, Louisville, Ky.
Heartley Machine, Variety, Iron & Tool Wks., 900 Summit, Toledo, Ohio.
Heat & Power Corp., heating contractors, 30 Light, Baltimore, Md.
Heath Chemical Co., fertilizer mfrs., Yonkers, N. Y.
Heath, Gove & Bell, architects, Nat'l Realty Bldg., Tacoma, Wash.
Heath, Edmund F., & Son, rubber & enamel carriage cloth, 225 Warren, Newark, N. J.
Heath, F. L., feed & flour mills, Corry, Pa.
Heath, Frederick, architect, Natl. Realty Bldg., Tacoma, Wash.
Heath, Geo. W., & Co., fountain pen mfrs., 208 1st, Newark.
Heath Grate Bar Co., 12 Pearl, Boston, Mass.
Heath, Grove & Gill, architects, Nat'l Realty Bldg., Tacoma, Wash.
**HEATH, J. S. CO.**, Franklin & Ontario, Chicago, Ill.
*See adv index at end of book*
Heath-Johnson Co., ornamental iron workers, 300 W. Ontario, Chicago, Ill.
Heath & Milligan Mfg. Co., mfrs. paints & waterproofing matls., 1833 Seward, Chicago, Ill.
Heath, Robt., machst, Binghamton, N. Y.
Heath Samuel Co., masons' & bldrs.' matls., Trenton, N. J.
Heath Siren Mfg. Co., elec'l horns, San Francisco, Cal.



Heath Stove & Heating Co., 503 W. Franklin, Baltimore, M
Heath Unit Tile Co., fireproof hollow tile, National Realty B Tacoma, Wash.
Heath, W. A., Mach. Co., Lestershire, N. Y.
Heath, Wm. G., & Co., heating contrs., 60 Friendship, Pr dence, R. I.
Heathcock-Rush Mach. Co., Jackson, Tenn.
Heathcote, John, & Son, 212 Eddy, Providence, R. I.
Heathcote, S. E., & Co., flannels, blankets, woolens, Glen R Pa.
Heather, R., Co., elec. & gas light fixtures, 19 W. 36th, York.
Heatherman, Patrick, stone producer, Urbana, O.
Heating Supp. Co., gas heating boilers, 421 Wood, Pittsburgh
Heating Supply & Repair Co., cooking appliances, Elizab N. J.
Hgt. & Ventg. Magazine, 1123 B'way, New York.
Heaton, Butler & Bayne (Ltd.), glass stainers, 437 5th New York.
Heaton & Ellison, contractors, 1818 4th av, S. Minneap Minn.
Heaton, J. M., common brick, Manchester, Ill.
Heaton, Jno., architect. Xenia, Ohio.
Heaton Mfg. Co., shoe buttons, 77 Cromwell, Providence, R.
Heaton Peninsular Button Fastener Co., 65 Shirley, Bos Mass.
Heaton & Senft, harness, saddles, etc., Waco, Ga.
Heaton & Vierling, trunk mfrs., 21 W. 3d, New York.
Heaton & Wood, parquet floors, weather strips, etc., Chestnut, Philadelphia, Pa.
Heatwole, J. S., & Co., architects, Harrisonburg, Va.
Heavner, Frank R., contractor, Norristown, Pa.
Heavner, R. A., architect, Jackson, Tenn.
Heavy Hardware Co., Toledo, Ohio.
Hebard, Chas., & Sons, lumber, Pequaming, Mich.
Hebard-Cypress Co., lbr. mfrs., Scranton, Pa.
Hebb, Geo. A., machsts., 70 William, Newark, N. J.
Hebb, H. W., Supply Co., marine hdwe., mill supplies & plate, Jacksonville, Fla.
Hebb Motors Co., auto bldrs., Lincoln, Neb.
Hebbard & Wenz, archl. iron, 240 N. 10th, Brooklyn, N. Y
Hebendahl, J. P., Co., clamps & insulators, Elizabeth, N. J
Hebert Mfg. Co., piston rings, Franklin, N. H.
Hebing, Henry, & Sons, who. hdwe., 107 North, Rochester, N
Hebrew Tech. Inst., engng. schools & coll., 34 Stuyvesant, York.
Hebron Mfg. Co., cotton sheetings, 21 S. Main, Provide R. I.
Hechler, V., Packing & Commission Co., meat packers, mond, Va.
Hecht, Albert S., architect, 64 W. Randolph, Chicago, Ill.
Hecht, Jere M., brass fndr., 320 W. Grand av, Chicago, Ill
Heck, A. B., canned goods, Buchanan, Va.
Heck, G. J., machst., St. Paul, Minn.
Heck Motor Car Co., Hamilton, Ohio.
Heck, Wm., harness, saddles, California, Mo.
Heckard, M., & Sons, common brick, Canton, Ill.
Heckart, W. O., contractor, Eugene, Ore.
Heckenhauer, C. F., carriages, Muncie, Ind.
Heckenlively, J. L., architect, Landers Bldg., St. Louis, M
Hecker Cereal Co., 40 Corlears, New York.
Hecker-Jones-Jewell Milling Co., farina, 40 Corlears, New Y
Heckert, Sidney F., architect, Bessemer Bldg., Pittsburgh,
Hecla Coal & Coke Co., bituminous, Olive Bldg., Pittsburgh,
Heckla Iron Works, posts, Brooklyn, N. Y.
Heckler, Chas. J., contractor, 3001 N. Craskey, Phila., Pa.
Heckler, Leidy B., contractor, Ambler, Pa.
Heckman & Co., soap, Covington, Ky.
Heckman, H. R., & Co., architects, 1604 Mineral Springs Reading, Pa.
Hecla Iron Works, iron & bronze, architectural & orname 118 N. 11th, Brooklyn, N. Y.
Hedason Mfg. Co., screw mach. products, spring motors, 1041 State, New Haven, Conn.
Hedden, Chas. R., Co., contrs., Prudential Bldg., Newark,
Hedden Constr. Co., 52 Vanderbilt av, New York.
Hedden, E. J., contractor, 14 S. Broad, Philadelphia, Pa.
Hedden Iron Const., steel constr., W. Elizabeth, N. J.
Heddles Lumber Co., Madison, Wis.
Heddon, Jas., & Son, fishing rods, Dowagiac, Mich.
Heddenberg, James W., maps, 40 N. Dearborn, Chicago, Ill.
Hedgecock Brick Co., Walnut Cove, N. C.
Hedgecock, R. W., brick, Winston-Salem, N. C.
Hedges-Atkins Supply Co., plumbers' supplies, Denver, Col
Hedges & Bro., brass fndrs., 10 R. R. pl., Newark, N. J.
Hedges, C. E., mach. & fdr., Lincoln, Neb.
Hedges Construction Co., Springfield, Mo.
Hedges, Geo. L., contractors, 330 Norton, New Haven, Con
Hedges, Sam'l P., machsts, Greenport, N. Y.
Hedman, Axel S., architect, 106 E. 19th, New York, & Fulton, Brooklyn, N. Y.
Hedman Mfg. Co., check protectors, 227 W. Erie, Chicago
Hedrick, W. C., Constr. Co., Dallas, Tex.
Heebner, Geo. K., contractor, 1231 Vine, Philadelphia, Pa.
Heebner & Sons, agricultural implements, Lansdale, Pa.
Heekin Can Co., 6th, New & Culvert, Cincinnati, Ohio.
Heer Bros., htg. contrs., Lexington Bldg., Baltimore, Md.

Engine Co., Portsmouth, Ohio.
Frid. J., Jr., architect, B. & I. Bldg., Dubuque, Ia.
L. L., machsts & fndrs., North Yakima, Wash.
Peter, Paper Box Co., 56 W. Kinzie, Chicago, Ill.
n Bros. & Co., mill & facty. supplies, Penn & 5th, Pittsrgh, Pa.
y Mach. & Battery Wks., 918 W. 43d, Chicago, Ill.
C. A., architect, New Ulm, Minn.
MacFarlane Co., window shade mfrs., 957 Hubbard, etroit, Mich.
n Bros. Co., agricultural implements, Tecumseh, Mich.
, C. M., Sons & Co., machinists, Butler, Pa.
inger Co., masons' & bldrs.' matls., Hampton, Va.
man Engine Wks., Seattle, Wash.
nan, Jas. P., Paper Co., 25 Water, New York.
Inst., engng. schools & coll., Brooklyn, N. Y.
r, Dietrich & Co., masons' & bldrs'. matls., Kutztown, Pa.
r Lbr. & Coal Co., Elwood, Ind.
n Trenching Co., sewer excavating machs., Cleveland, O.
E. G., contractor, Fredericksburg, Va.
n, John, Co., office wardrobes, Rochester, N. Y.
& Maysills, machsts. & brass fndrs., Grafton, W. Va.
, O. V., cornices & skylights, Bluefield, W. Va.
-Magruder Co., wood mantels, Louisville, Ky.
& Co., masons' & bldrs.' matls., Columbus, Ind.
r Zinc Co., Danville, Ill.
ann & Peets, architects, 68 Wisconsin, Milwaukee, Wis.
an & Ward, mill & facty. supplies, 43 South, New York.
er, Rudolph, Co., sash, door & blinds mfrs., 9246 Harbor , Chicago, Ill.
ald, Chas., Co., mchsts & fdrs., New Albany, Ind.
, Jas. G., & Sons, cylinders, ladles, tanks, etc., Joliet, Ill.
, Wm., steel plate wks., Joliet, Ill.
ottom, S. H., & Sons, locomotive bell ringers, Saginaw, ich.
Const. Co., contrs., Appleton, Wis.
B., Malt Millg. System Co., 208 Lawrence, Cincinnati, O.
e, O. J., architect, Scottsbluff, Nebr.
P., & Sons, packing box mfrs., 1452 S. 2nd, St. Louis, o.
eder Bros. & Co., plate glass, Quincy, Ill.
ker Brick Co., Brecon, Ohio.
ach Lumber Co., sash, doors, blinds, Danville, Va.
neier Art Glass Wks., 4613 N. Clark, Chicago, Ill.
ann Lbr. Co., masons' & bldrs.' matls., Quincy, Ill.
kamp Plate Glass Co., Springdale, Pa.
Mfg. Co., engines, Carroll, Ia.
Jno. B., stone producers, Lancaster, Pa.
ger, Frank, machsts, Fairfield, Ill.
C., & Son, cooperage stock, 64 Fairmount, Jersey City, J.
W., Cornice Works, 152 1st, San Francisco, Cal.
an, John, & Son, mill & facty. supplies, Austin, Texas.
s Plumbing Supply Co., 495 W. 145th, New York.
E. K., flannels, woolens, York Springs, Pa.
o., hydraulic hoists & truck bodies, steel tanks, 26th & ntana avs, Milwaukee, Wis.
lenry, Chemical Co., chemicals, St. Louis, Mo.
ohn C., cornices, 1204 N. Gay, Baltimore, Md.
acking Co., meat, 2216 La Salle, St. Louis, Mo.
alentine, contractor, Lima, O.
l, Geo. W., mercury testing columns, 107 W. 13th, New rk.
n, Fred. A., cornices & skylights, San Diego, Cal.
n Boiler Works, steel tanks & stacks, Allentown, Pa.
n Machine Wks., Evansville, Ind.
Cement Products Co., brick, North Liberty, Ind.
John & Son, brick, Dubuque, Iowa.
L. J., & Co., tin plate, Park Bldg., Pittsburgh, Pa.
Mach. Co., Danbury, Conn.
R. F., architect, Bartlett Bldg., St. Joseph, Mo.
n, Morris A., Mfg. Co., window fixtures, 1402 Washing- av., St. Louis, Mo.
n, S., architect, 57 Post, San Francisco, Cal.
ch Lbr. Co., Duluth, Minn.
ch Rubber Heel Co., Duluth, Minn.
dinger, W. C., safety razors & shears, Louisville, Ky.
h, John, stone prod., LeRoy, N. Y.
urniture Co., Toledo, Ohio
ohn, Co., lumber, Tony, Wis.
(The) Chimney Co., 123 W. Madison, Chicago, Ill.
& Co., oils, 7 Platt, New York.
Jno. F., & Son, cornices & skylights, Hooper, Neb.
Safety Boiler Co., 5319 E. Marcus av, St. Louis, Mo.
e Bros. Co., contractors, Lumbermen's Bldg., Portland, e.
& Co., agric. implement mfrs., Springfield, Ill.
an, Arthur S., architect, San Fernando Bldg., Los geles, Cal.
an, B., Lbr. Co., Wausau, Wis.
an Lbr. Co., Merrill, Wis.
an, O., Co., silk thread, 2701 Armitage av, Chicago, Ill.
ann Chemical Co., wood alcohol, Olean, N. Y.
ann, Geo., fuse blocks, clamps, switches, etc., 728 W. ard av, Philadelphia, Pa.
it Mfg. Co., sashes, doors, blinds, New Bremen, Ohio.
t, Jno., & Son, stone producers, Massillon, Ohio.

Heinicke, H. R., Inc., chimneys, 147 4th av, New York.
Heinigke & Smith, glass mosaic wks., 24 E. 13th, New York.
Heinisch, Geo. H., brick, Portsmouth, Ohio.
Heinisch's, R., Sons' Wks., snips, 109 Bruce, Newark, N. J.
Heinke, Chas. A., contractor, 160 W. Sharpnack Gtn., Phila., Pa.
Heinlein, John, Cut Stone Co., 555 President, Brooklyn, N. Y.
Heinman, John, contractor, St. Cloud, Minn.
Heinman & Stern, meat packers, 1040 McAllister, San Francisco, Cal.
Heinn Co., loose leaf devices, 354 Florida, Milwaukee, Wis.
Heins, Alex., Belting Co., 2441 Harrison, San Francisco, Cal.
Heins, Daniel, mach. & fdr., Carrollton, Mo.
Heins, W. F., mach. & fdr., Carrollton, Mo.
Heins, Wm. R., & Co., contractors, 1713 Moravian, Phila, Pa.
Heintz, W. H., cornices, New Rochelle, N. Y.
Heintzelman-Earle-Wickeren Co., machinists, Los Angeles, Cal.
Heinz, C., Stove Co., 100 N. 2d., St. Louis, Mo.
Heinz, H. J., Co., canned goods, Pittsburgh, Pa.
Heinz, Lorenz H., architect, 128 N. LaSalle, Chicago, Ill.
Heinz & Munschauer, bird & animal cages; refrigerators, etc., Buffalo, N. Y.
Heinze Elec. Co., Lowell, Mass.
Heinze, John O., Co., automobile engine starters & lighting systems, Springfield, Ohio
Heinzelman Bros. Carriage Co., Belleville, Ill.
Heinzkill, John, Soap, Appleton, Wis.
Heinzmann, G. W., & Son, contractors, Lemcke Bldg., Indianapolis, Ind.
Heipershausen Bros., marine & tubular boilers, 43 Tomkins, New York.
Heise & Bruns Mill & Lbr. Co., 600 S. Caroline, Baltimore, Md.
Heise, Wm. F., Mfg. Co., metal specialties, 355 Union pk. ct., Chicago, Ill.
Heisel, C. (Est. of), feed, flour, Plattsmouth, Neb.
Heiser, H. J., & Co., who. hdwe., Mahanoy City, Pa.
Heiser, J. B., handles (hammer), Atwater, Ohio.
Heiser, Jno., & Son, masons' & bldrs.' matls., Sidney, Ohio.
Heiser, Wm., Sons Co., machsts., Buffalo, N. Y.
Heisey, A. H., & Co., glassware, Newark, Ohio.
Heiskell, Jas. M., R. R. ties, Galveston, Tex.
Heisler, Frank, contractor, Sikeston, Mo.
Heisler Locomotive Wks., Erie, Pa.
Heissler Storage Battery Co., 2506 Cottage Grove av, Chicago, Ill.
Heist, Harry H., contractor, 65th & Limekiln pk., Phila., Pa.
Heister, W., architect, Union Sav. Bank Bldg., Washington, D. C.
Heitger, Julius, brick common, Bedford, Ind.
Heitland Grate & Mantel Co., fireplace heaters, heat deflectors, 120½ W. 5th, Quincy, Ill.
Heitler, Kurt, display racks, wire & brass easels, 221 4th av, New York.
Heitmann, F. W., Co., mill & facty. supplies, who. hdwe., Houston, Tex.
Heitmann Lbr. Co., cash, door & blind mfrs., 5852 S. Ashland av, Chicago, Ill.
Heitz, Louis R., mach. & fdr., Muscatine, Ia.
Hektograph Mfg. & Dup. Co., 46 Murray, New York.
Helb, Edw., levels, Railroad, Pa.
Helbock, C., contractor, 633 Wales av, New York.
Helbostad, H. K., architect, Kellogg, Idaho.
Held, A., ivory nuts, crude rubber, 11 William, New York.
Held, Albert, architect, Realty Bldg., Spokane, Wash.
Helder, Arthur H., landscape arch., Kansas City, Mo.
Helderberg Cement Co., Albany, N. Y.
Heldmyer Hardware Co., Elyria, Ohio.
Helen Lbr. Co., Helen, Fla.
Helena Hardware Co., Helena, Mont.
Helena Hdwe. Co., Helena, Ark.
Helena Hardwood Lbr. Co., Helena, Ark.
Helena Job Wks., cornices & skylights, Helena, Ark.
Helfensteller, Hirsch & Watson, architects, Chemical Bldg., St. Louis, Mo.
Helfrich Lbr. & Mfg. Co., Evansville, Ind.
Helfrich, N. J., & Co., masons' & bldrs.' matls., Carthage, Ill.
Helfrich Pottery Co., Evansville, Ind.
Helgason Bros., contractors, Vicksburg, Miss.
Helgerson Bros., Iron Wks., Green Bay, Wis.
Helios Mfg. Co., storage batteries, lamps, etc., 2530 N. Broad, Phila., Pa.
Helios Metal Wks., Inc., sheet metal stamping, 437 11th av, New York.
Hell Gate Sheet Metal Wks., 236 E. 95th, New York.
Hellenberg, J. B., Co., turned wood novelties, Coldwater, Mich
Heller-Aller Co., agricultural implements & machsts, Napoleon, Ohio.
Heller, B., & Co., writing inks, 3925 Calumet av, Chicago, Ill.
Heller & Brightly, mfrs. engineering & surveying instruments, Dept. H. 1122 Spring Garden, Philadelphia, Pa.
Heller Bros., Co., contractors, Logan av, Youngstown, Ohio.
Heller Bros. Co., iron rolling mills, files & rasps, 870 Mt. Prospect av, Newark, N. J.
Heller, C. B., elec. fix. mfrs., 622 Arch, Philadelphia, Pa.
Heller, C., Sons, sashes, doors & blinds, 49 Cambridge av, Jersey City, N. J.
Heller, H. F., architect, Fond du Lac, Wis.
Heller, Jno. M., contractor, South Orange, N. J.

Heller, Jos. S., potash, ammoniates, phosphate rock, etc., 62 William, New York.
Heller & Merz Co., color mfrs., 503 Hudson, New York.
Heller, S., machsts, 250 Milwaukee, Wis.
Heller, Sam'l. trunk mfrs., 345 N. 2d, Philadelphia, Pa.
Heller, W. C., & Co., hardware, shelf boxes, Montpelier, Ohio.
Hellman Bros., brick, Tiffin, Ohio.
Hellman Lumber & Mfg. Co., Covington, Ky.
Hellmer, M., sweaters, cardigans, etc., 311 Poplar, Phila., Pa.
Hellminger Bros., mchsts. & fdrs., Adell, Wis.
Hellmuth, Chas., printing inks, 154 W. 18th, New York.
Hellmuth & Hellmuth, architects, De Menil Bldg., St. Louis, Mo.
Hellrung & Grim House Furnishing Co., mattresses, 906 Washington av, St. Louis, Mo.
Helm Brick Mach. Co., Caddillas, Mich.
Helm, S. D., Mfg. Co., fountains, stock, Crawfordsville, Ind.
Helman, D. L., lumber mfrs., Warren, Ohio.
Helmbacher Forge & Rolling Mills Co., crankshafts, Syndicate Trust Bldg., St. Louis, Mo.
Helmbold, Fritz, meat packers, Troy, N. Y.
Helme & McIlhenny, machsts, 1339 Cherry, Philadelphia, Pa.
Helmer, Robert, architect, 235 5th av, New York.
Helmerich, W. H., & Co., figured glass stainers, 719 Fulton, Chicago, Ill.
Helmera, Jno. G., architect, 814 Union, West Hoboken, N. J.
Helmick Fdry. & Machine Co., Fairmont, W. Va.
Helming, Wm., brick, Ferdinand, Ind.
Helmle & Corbett, architects, 190 Montague, Brooklyn, N. Y.
Helmle, Geo., & Helmle, architects, Ferguson Bldg., Springfield, Ill.
Helmold, J. F., & Bro., machsts., 1462 Hamburg, Chicago, Ill.
Helmrich, Geo., cornices, New Rochelle, N. Y.
Helms Butler Co., bldg. contrs., Portland, Me.
Helm's, D. D., Sons, meat packers, Camden, N. J.
Helms, F. W., contractor, Summit, N. J.
Helmus, Gabriel, silk tassels, 142 Greene, New York.
Helper Bros., scrap iron, Bay City, Mich.
Helrich, Otto A., architect, Everett, Mass.
Helsty & Corbet, machy. dlrs. & steel rails, Smith Bldg., Seattle, Wash.
Helson, Richard, contractor, 121 Columbia W., Detroit, Mich.
Heltzel Steel Form & Iron Co. (The), Warren, Ohio.
Helvetia Milk Condensing Co., canners, Highland, Ill.
Helvetia Silk Mill, velvets, Paterson, N. J.
Helwig Mfg. Co., pneumatic tools & labor-saving devices, St. Paul, Minn.
Helwig, Wm., & Co., badges & buttons, Cincinnati, Ohio.
Hely, Edw., stone, crushed, Cape Girardeau, Mo.
Heman Constr. Co., Title Guarantee Trust Bldg., St. Louis, Mo.
Hemenway Furniture Co., Alexandria, La.
Hemeon Bros., contractors, Somerville, Boston, Mass.
Hemet Canning Co., Hemet, Cal.
Hemingray Glass Co., Muncie, Ind.
Hemingway Bros., brooms, Stockton, Cal.
Hemingway, H. C., & Co., canned goods, Syracuse, N. Y.
Hemingway, H. F., & Co., canned goods, 2315 Orleans, Baltimore, Md.
Hemingway Mach. Co., Lynn, Mass.
Heminway & Bartlett Silk Co., silk thread, Watertown, Conn.
Hemlock Mfrs., lumber, Oshkosh, Wis.
Hemme, Charles, architect, DeSoto, Mo.
Hemmendinger, S., plbrs. supplies, Elizabeth, N. J.
Hemmer, Michael, contractor, 215 Sunset av, Syracuse, N. Y.
Hemmerdinger, John H., & Son, razor strops, Vandervoort av, Brooklyn, N. Y.
Hemmerdinger, L., & Co., paints, bronze powders, 438 E. 123d, New York.
Hemmerle, Frank J., cornices, Sandusky, Ohio.
Hemmi-Nygren Mfg. Co., lumber, Everson, Wash.
Hemming Bros. Co., automatic grinding & polishing machinery mfrs., New Haven, Conn.
Hemming Mfg. Co., insulators, battery covers, etc., Garfield, N. J.
Heming Wagon Co., Meridian, Miss.
*See adv index at end of book*
Hemmings, E. C., architect, 1203 J, Sacramento, Cal.
Hemp, C. E., draughting room equipment, Hamilton, Ohio.
Hemp & Co., stoves, army canteens, etc., Vandeventer, nr. Shaw, St. Louis, Mo.
Hempel, Max, cornices, 3016 E. 91st, Chicago, Ill.
Hempelman & Hector, machsts, 120 Longworth, Cincinnati, O.
Hempfield Foundry, Greensburg, Pa.
Hemphill, A. J., Co., mill & facty. supplies, 733 Greenwich, New York.
Hemphill Lbr. Co., Kennett, Mo.
Hemphill Mfg. Co., knitting machy, Central Falls, R. I.
Hemple, C. H., & Bro., contractors, Braddock, Pa.
Hemple Co., hosiery machy., Pawtucket, R. I.
Hempstead, John, second-hand barrels, Waterford, N. Y.
Hemsing & Son, sash, door & blind, Sonderton, Pa.
Hemstreet, W. F., architect, Woolworth Bldg., New York.
Hendee, C. C., Co., brushes, 501 B'way, Milwaukee, Wis.
Hendee-Connor Co., mill & facty. supplies, 60 Pearl, Buffalo, N. Y.
Hench & Dromgold Co., agr. implts., York, Pa.
Hendee Mfg. Co., machsts, Springfield, Mass.

Henderer's, A. L., Sons, pumps & punching machines, Wilmington, Del.
Henderich, F. A., architect, St. Augustine, Fla.
Henderson, A. P., roof brackets, Assinippi, Mass.
Henderson, Alex., contractor, 305 W. 21st, New York.
Henderson-Ames Co., machsts. & fdrs., Kalamazoo, Mich.
Henderson & Baird Hardware Co., Greenwood, Miss.
Henderson & Bro. Co., Ltd., contractors, S. 25th, below Spruc Phila, Pa.
Henderson Bros., automobile bldrs., N. Cambridge, Mass.
Henderson Bros., carriages & automobiles, Cambridge, Mass.
Henderson Bros., glass stainers, 317 E. 64th, New York.
Henderson Bros., contractors, Coshocton, Ohio.
Henderson Bros. Co., tumbling barrels, 133 S. Leonard, Waterbury, Conn.
Henderson Buggy Mfg. Co., Henderson, N. C.
Henderson, C. A., architect, Coffeyville, Kan.
Henderson Canning Co., Aberdeen, Md.
Henderson Cotton Mills, Henderson, Ky., & Henderson, N. C.
Henderson Cotton Oil & Gin Co., meal, Henderson, Tex.
Henderson, Edwin, contractor, Port Washington, N. Y.
Henderson Elec. Co., conduit benders, boring machy. & portab benches, Ampere, N. J.
Henderson Elec. Co., joist boring machy., Charlottesville, Va.
Henderson, Frank, hot air furnaces, Troy, N. Y.
Henderson Iron Wks. See Henderson Shipbuilding Co.. (su cessor).
Henderson, F. R. & Co., crude rubber, 111 B'way, New Yor
Henderson, Gilbert W., liquor logs & wood pipes, Sheffield, Pa.
Henderson, J. G., sheet metal stamping, 65 Main, Buffal N. Y.
Henderson, James G., stone, Ft. Worth, Tex.
Henderson, John T., contractor, 139 Beltzhoover, Pittsburgh, P
Henderson & Johnson, paints, Gloucester, Mass.
Henderson, L. P. See Henderson, Mrs. W. C. (successor).
Henderson Land & Lbr. Co., Tuscaloosa, Ala.
Henderson Lithograph Co., advtg. post cards, Norwood, O.
Henderson Lumber Co., Ocilla, Ga.
Henderson Lumber Co., ties, poles & posts, 316 4th av, Pitt burgh, Pa.
Henderson Machine Co., 5032 Germantown av, Phila, Pa
Henderson Mfg. Co., carriages, Henderson, Ky.
Henderson Molpus Co., lbr., Philadelphia, Miss.
Henderson Motor Cycle Co., 584 Franklin, Detroit, Mich
Henderson, P. J., heating contr., 171 Foster, Worcester, Mas
Henderson, Peter, & Co., fertilizer mfrs., 35 Cortlandt, Ne York.
Henderson Roller Mills Co., Monroe, N. C.
Henderson Rubber Co., rubber compound mfrs., 102 Commerc Baltimore, Md.
Henderson Shipbuilding Co., Mobile, Ala.
Henderson, Thos., & Co., Inc., confectioners' colors, 14 Cliff, Ne York.
Henderson, W. D., contractors, Hearst Bldg., San Fran., Cal.
Henderson, W. K., Iron Wks. & Supply Co., steam fitters' su plies, Shreveport, La.
Henderson Wagon Wks., dumping wagons, Henderson, Ky.
Henderson-Waites Lbr. Co., Caryville, Fla.
Henderson, Walter P., architect, 755 Boylston, Boston, Mas
Henderson-Willis Welding & Cutting Co., 2305 N. 11th, S Louis, Mo.
Hendey Chem. Co., Inc., chemicals, cod liver oils, etc., Trinity pl, New York.
Hendey Machine Co., engine lathes, milling machines, shapers centering machine mfrs., Torrington, Conn.
Hendley & Whittemore Co., wood-working machy., Beloit, Wi
Hendrick Mfg. Co., cars, screens, steel tanks, etc., Carbondal Pa.
Hendricks Brick Co., East Kingston, N. Y.
Hendricks Bros., copper bolts, rivets, etc., 49 Cliff, New York.
Hendricks & Class, wholesale hdwe., 30 Church, New York.
Hendricks, G. C., architect, Winston-Salem, N. C.
Hendricks, Martz Bros., Co., mirrors & glass shelves, Shelby Larned, Detroit, Mich.
Hendricks-Moore Co., masons' & bldrs.' matls., Lexington, Ky.
Hendricks & Weatherall, cornices & skylights, Memphis, Tenn.
Hendricks, Wm. M., machist. & fndr., Watervalley, Miss
Hendrickson & Dilatush, fertilizer mfrs., Robbinsville, N. J.
Hendrickson, E. D., machts. & fndrs., Demorest, Ga.
Hendrickson Lumber Co., 112 Market, San Francisco, Cal.
Hendrickson-McCabe Constr. Co., O. C. S. Bank Bldg., Syracus N. Y.
Hendrickson Motor Truck Co., 3538 S. Wabash av, Chicago, Ill.
Hendrickson Roofing Co., cornices, Springfield, Ohio.
Hendrie & Bolthoff Mfg. & Supply Co., mill & facty. supplie Denver, Colo.
Hendrie, W. C., Rubber Co., Torrance, Cal.
Hendrix Hdwe. Co., whol., Columbia, S. C.
Hendrix, J. A., flour mills, Milligan College, Tenn.
Hendry, Alex., contractors, 320 W. Grand av, Chicago, Ill.
Hendry, C., architect, Elmhurst, N. Y.
Hendryx, Andrew B., Co., chains, bird cages, wire picture cor etc., New Haven, Conn.
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Hendryx Cyanide Machy. Co., 136 Liberty, New York.
Hendy, Joshua, Iron Works, 75 Fremont, San Francisco, Cal.
Henebry, Thos. F., machsts. & fndrs., Danbury, Conn.

s & Keller Co., machsts. & fndrs., Menominee, Mich.
s, Louis G., machy. dlr., 75 Fremont, San Francisco, Cal.; Title Insurance Bldg., Los Angeles, Cal.
gels, Henry C., architect, 425 E. Water, Milwaukee, Wis.
on & Hubbell, machy. dlrs., contrs.' tools & supplies, & wholesale hdwe., 219 N. Jefferson, Chicago, Ill.
s, Wm. G., Sons & Co., weather vanes, 1347 Ridge av, Philadelphia, Pa.
te, D. E., & Co., contractors, Zanesville, Ohio.
te, Robt., gold leaf, 175 Park Row, New York.
tel & Brown, contractors, Mason City, Ia.
tel Co., cutlery mfrs., Fremont, Ohio.
tel & Sullivan, contractors, Mercantile Library Bldg., Cincinnati, Ohio.
le & Joyce Hardware Co., Lincoln, Neb.
ey, Francis E., architect, 42 Weybosset, Providence, R. I.
ey, S., Inc., oils, greases, wax, 23 Beaver, New York.
y Skate Co., toys & coaster wagons, Richmond, Ind.
e & Meyer Co., wholesale hdwe., Rockdale, Tex.
eberry & Co., meat packers, Arkansas City, Kans.
eberry & Halligan, granite producers, Concord, N. H.
ebique Const. Co., 1170 B'way, New York.
ebohle, Frank, machst., 81st & S. Chicago av, Chicago, Ill. *See adv. index at end of book*
ecke, C., Co., structural steel, 1353 N. Pierce, Milwaukee, Wis.
en, Joseph E., architect, Fond Du Lac, Wis.
epin Bridge Co., 968 Laurel, Minneapolis, Minn.
epin Paper Co., Plymouth Bldg., Minneapolis, Minn.
epin Sash, Door & Lumber Co., Emerson av, & 29th, Minneapolis, Minn.
esey, D. R., machst. & fndr., Bellefontaine, Ohio.
essey Bros., contractors, Brookline, Mass.
essey Foundry Co., Springfield, Ohio.
essey, J. M., & Bro., contractors, Troy, Ohio.
essey, Wm. E., stone producers, Amsterdam, N. Y.
essy, Dennis, tubular boilers, steel stacks & tanks, etc., Syracuse, N. Y.
essy, J. D., & Co., masons' & bldrs.' matls., 195 Front, Portland, Ore.
ey Buggy Co., Moline, Ill.
igan, J. G. E., lunch wagons, Worcester, Mass.
ing Bros., cornices, cans, 3924 Indiana av, Chicago, Ill.
ng, E., Inc., cooperage stock mfrs., 105 S. La Salle, Chicago, Ill.
ing, Julius, cornices & skylights, 315 Plymouth, N., Minneapolis, Minn.
ing, V., & Sons, smelters & refiners; alloys, ingots, etc 30 Belmont av, Brooklyn, N. Y.
ing, Wm., brick, Newton, Ia.
ng, Wm., Co., canned goods, 1260 W. Division, Chicago, Ill.
nger, F. A., architect, Security bldg, Omaha, Neb.
ngsen Bros, contractors, Irvington, N. J.
on, Paul T., Jr., architect, Fuller bldg, Phila., Pa.
n & Boyle, architects, Fuller Bldg., Philadelphia, Pa.
ch, Geo. A., heating contr., 5650 B'way, Chicago, Ill.
ch's, Wm., Sons Co., contractors, 193 Spring, Buffalo, N. Y.
ck, John, contractor, Oswego, N. Y.
cks, C. R., architect, Norristown, Pa.
cks Magneto & Elec. Co., electric lighting outfits, 1225 S. aul, Indianapolis, Ind.
ckson & Co., contracors, Globe Bldg., Seattle, Wash.
e, C. B., cornices, Xenia, Ohio.
etta Mills, cotton sheeting, Caroleen, N. C.
kson, Bernard T., & Co., wood working mach. knives, 664 7. Austin, Chicago, Ill.
s, Luebbert Mfg. Co., tents, 326 Howard, San Francisco, al.
tin, A., Co., soap, 447 Wells, Chicago, Ill.
, A. L., contractor, Gloversville, N. Y.
Airtight Weather Strip Co., Crawfordsville, Ind.
& Allen, flat spring keys, garden tools, etc., Auburn, N. Y
-Bonnard Bronze Co., archl. & ornamental iron work & astings, 20 Exchange pl, New York.
Bros., canned goods, Poage's Mill, Va.
Bros., gas burners & furnaces, 198 North Massillon, Ohio.
C. P., Nov. Co., curtain rods, 184 Early, Providence, R. I.
Chas., tubular boilers, Madison, Ind.
Chas. D., architect, Kankakee, Ill.
Contracting Co., 633 W. 47th, New York.
David, Bldg. Co., Paterson, N. J.
Edw. P., contractor, Woodbury, N. J.
Engng. Co., machsts., 116 27th, Brooklyn, N. Y.
Frank N., masons' & bldrs.' matls., Wilkes-Barre, Pa.
J. G., contractor, Geneva, N. Y.
J. W., architect, Aberdeen, S. D.
Jas. M., contractor, Fort Wayne, Ind.
John T., Mfg. Co., pruning knives, hdwe. mfrs., Hamden, onn.
Mfg. & Grease Cup Co., oil lubricators, Terre Haute, Ind.
Marble Co., 3208 Shields av, Chicago, Ill.
Millard & Henry Co., machsts. & fndrs., York, Pa.
-Miller Foundry Co., hot air furnaces, 825 Long av, Cleveland, Ohio.
& Murphy, architects, 2d Natl. Bk. Bldg., Akron, Ohio.
Robt., brick, Lancaster, Ohio.

Henry & Sheffler Mach. & Auto Co., Greensburg, Pa.
Henry, T. A., brick, Gastonia, N. C.
Henry, Walter C., & Son, contractors, St. Petersburg, Fla.
Henry, Wm., stone, 5837 Justine, Chicago, Ill.
Henry & Wright Mfg. Co., drilling machines, dieing machines & press mfrs., 760 Windsor, Hartford, Conn.
*See adv. index at end of book.*
Henryetta Spelter Co., zinc, Henryetta, Okla.
Henryson, L. P., & Co., umbrella mfrs., 20 W. 20th, New York.
Henschien, H. P., architect, 37 W. Van Buren, Chicago, Ill.
Henschel, Chas. J. & Co., Inc., marine fittings & accessories, 111 Dobbin, Brooklyn, N. Y.
Hensel, E. R., Steel & Copper Co., Security Bldg., St. Louis, Mo.
Hensel, Henry C., architect, 766 8th, Milwaukee, Wis.
Hensel & Meyer, metal polish, 2149 Belmont av, Chicago, Ill.
Hensel, Samuel, contractor, New Philadelphia, Ohio.
Hensel Silk Mfg. Co., silk fringes, 1015 Diamond, Phila., Pa.
Hensgen, Herman, contractor, Camden, N. J.
Henshaw, Gorham, architect, 87 Weybosset, Providence, R. I.
Hensil, Y. D., architect, Eugene, Ore.
Hensley, Jas. W., & Co., dredging buckets, Indianapolis, Ind.
Hensley Trolley & Mfg. Co., trolley wheels, machsts. & brass fndrs., 370 Holden av, Detroit, Mich.
Henson, Edw. F., & Co., packing box mfrs., 921 N. Delaware av, Philadelphia, Pa.
Henson, P., contractor, Huntington, W. Va.
Henson, R. W., contractor, Geneva, N. Y.
Henton, John R., contractor, Decatur, Ill.
Hentschel, P. J., Mach Co., jigs & fixtures, 703 Hillen, Baltimore, Md.
Hentschke, Albert & Son, machsts. & fndrs., 731 Race, Philadelphia, Pa.
Hentz, Reed & Adler, architects, Candler Bldg., Atlanta, Ga.
Henzmann & Richard, archl. & orna. iron, Louisville, Ky.
Hepburn Telephone Mfg. Co., 325 S. Dearborn, Chicago, Ill.
Heppe, Christopher J., & Son, pianos, 1117 Chestnut, Phila., Pa.
Heppe, Wm., & Sons Co., soap, Logansport, Ind.
Heppenstall Forge Co., Bridgeport, Conn.
Heppenstall Forge & Knife Co., automobile forgings, 47th & Hatfield, Pittsburgh, Pa.
Heppenstall & Marquis, masons' & bldrs.' matls., 32d, Pittsburgh, Pa.
Hepperle, J. & Son, stone, 4008 W. Taylor, Chicago, Ill.
Heppert, Jos., lumber mfrs., 906 Catherine, Richmond, Va.
Heppes-Nelson Roofing Co., roofing materials, 4500 Fillmore, Chicago, Ill.
Heps, Henri C., architect, 358 N. Y. av, Brooklyn, N. Y.
Hepworth, Jno. W., & Co., tex. machy. (knitting machy.), loopers, Lehigh av & Mascher, Philadelphia, Pa.
Hepworth, S. S., Co., sugar centrifugals & mixers, 2 Rector, New York.
Herbert, Alfred, Ltd., 54 Dey, New York.
*See adv index at end of book*
Herbert Boiler Co., 140 Root, Chicago, Ill.
Herbert Brush Mfg. Co., Kingston, N. Y.
Herbert, Derrick, architect, Menominee, Mich.
Herbert, M., Co., portables, 8 W. 22d, New York.
Herbert Machy. & Supply Co., 401 E. 3rd, Los Angeles, Cal.
Herbert, Thos., & Sons, contractors, Bayonne, N. J.
Herbert, T. L., & Sons, masons' & bldrs.' matls., Nashville, Tenn.
Herbert, Wm. A, & Co., lbr., 11 S. La Salle, Chicago, Ill.
Herberts Engrg. Co., elec. illuminated signs, 500 5th av, New York.
Herbertson, John, Sons, machsts. & fndrs., Brownsville, Pa.
Herbrand Co., mach. s., Fremont, Ohio.
Herbst & Kuerzli, architects, 114 Grand av, Milwaukee, Wis.
Hercules Buggy Co., Evansville, Ind.
Hercules Car Mover Co., 860 Clark, Appleton, Wis.
Hercules Chemical Co., chemical plumbing pipe cleaner, 347 Broadway, New York.
Hercules Chemical Works, metal polish, 610 W. Randolph, Chicago, Ill.
Hercules Elec. Co., gas igniters, Indianapolis, Ind.
Hercules Elec. Steel Corp., 145 Lafayette, New York.
Hercules Eng'ng Corp., chemical machy., 501 5th av, New York.
Hercules Fdry. Co., Bayle & Slawson avs, Los Angeles, Cal.
Hercules Float Works, seamless copper floats, mfrs., 200 Franklin, Springfield, Mass.
Hercules Gas Engine Co., machsts. & fndrs., Evansville, Ind.
Hercules Instrument Co., ammeters, Mount Vernon, N. Y.
Hercules Iron & Supply Co., 473 Atlantic av, Boston, Mass.
Hercules Mfg. Co., agricultural implements, Centerville, Ia.
Hercules Mfg. Co., belt mfrs., 4328 Greenwood av, Chicago, Ill.
Hercules Mfg. Co., labels—woven, Midvale, N. J.
Hercules Mfg. Co., machy., Chattanooga, Tenn.
Hercules Metal Corner Co., Kingston, N. Y.
Hercules Metal Wks., brass fndrs., Castasauqua, Pa.
Hercules Motor Mfg. Co., Canton, Ohio.
Hercules Oil Refining Co., petroleum, E. 30th, Los Angeles, Cal.
Hercules Paper Bag Co., Reading, Pa.
Hercules Powder Co., Wilmington, Del.
*See adv index at end of book.*
Hercules Sandstone Co., stone producers, Tenino, Wash.
Hercules Waterproof Cement Co., Buffalo, N. Y.
Herdman Sash, Door & Lumber Co., Zanesville, Ohio.
Herdrick, B. F., brick, Lebanon, Ind.
Herf & Frerichs Chemical Co., 4528 S. Broadway, St. Louis, Mo.

Herff, A. A., architect, S. A. Loan & Trust Bldg., San Antonio, Tex.
Herfort, F., Canning Co., Baraboo, Wis.
Hergert, Theo., sheet metal ornaments, etc., 422 E. 53d, New York.
Hering, Oswald C., & Fitch, architerts, 8 W. 33d, New York.
Herkimer Fibre Co., 51 Lincoln, Boston, Mass.
Herkimer Fdry. Co., Herkimer, N. Y.
Herkless, A. R., contractor, Rushville, Ind.
Herlan, Geo. J., heating contr., 132 Northampton, Buffalo, N. Y
Herlihy, J. J., heating contr., 751 W. Van Buren, Chicago, Ill.
Herman, A. F., architect, Owen bldg, Detroit, Mich.
Herman, B. C., plbrs. supplies, 1441 E. Baltimore, Baltimore, Md.
Herman, F. J., contractor, Toledo, Ohio.
Herman, Geo., contractor, 28 Hillside av, Zuffalo, N. Y.
Herman, Geo. G., Antigo, Wis.
Herman Iron Wks., machsts., West New York, N. J.
Herman, K. I., Co., packing box mfrs., 111 W. Washington, Chicago, Ill.
Herman, M. S., & Bros., canned goods, Savannah, Ga.
Herman Pneumatic Mach. Co., Zelienople, Pa.
Herman, Q. E., architect, Hickory, N. C.
Herman, R. L., architect, 64 W. 38th, New York.
Herman Safe Co., 126 Fremont, San Francisco, Cal.
Herman, Sanford, Saddlery Co., Springfield, Mo.
Hermance Mach. Co., Williamsport, Pa.
Hermandsen, Hans, contractors, West New Brighton, N. Y.
Hermann, E. A., architect, 2567 A. Mission, San Francisco, Cal.
Hermann Eng. Co., machsts., 654 Franklin, Detroit, Mich.
Hermann, F. W., Co., mill & facty. supplies, Guttenberg, N. J.
Hemann & Grace Co., fire proof doors, 671 Bergen, B'klyn, N. Y.
Herrmann, H., Lumber Co., Ashland, Ky.
Hermann, John, horse collars, Lawrence, Kans.
Hermann, M., & Son, carriages, Honesdale, Pa.
Hermann, Martin, lumber mfrs., Callicoon, N. Y.
Hermanns, Madden & Co., contractors, 103 Park av, New York.
Hermanson, Severin S., sweaters, cardigans, etc., Marinette, Wis.
Hermitsge Cotton Mills, cotton sheetings, Camden, S. C.
Hermitage Hardware Co., Nashville, Tenn.
Herne, J. F., Co., sweeping compounds, Sanford, Boston, Mass.
Hernke, Bernard, machsts. & fndrs., Wausau, Wis.
Hero Mfg. Co., metal novelties & specialties, Westmoreland av & Stokeley, Phila., Pa.
Hero Snap Fastener Co., 100 5th av, New York.
Herold Bros. Co., barbers' supplies, 62 Public sq., Cleveland, O.
Herold China & Pottery Co., capsules, etc., Golden, Colo.
Herold, P. J., architect, Forum Bldg., Sacramento, Cal.
Herold, R. A., architect, Forum Bldg., Sacramento, Cal.
Heron Iron Bedstead Co., Chattanooga, Tenn.
Heron Mfg. Co., casters, Utica, N. Y.
Heron, Thos. J., architect, 1012 Fordham bldg, Pittsburgh, Pa.
Herow Granite Co., Willow av & 133d, New York.
Herpel Bros., machinists, Reynoldsville, Pa.
Herr Automatic Press Co., Ambler, Pa.
Herr & Co., who. hardware & mill & factory supplies, Lancaster, Pa.
Herr John, Mfg. Co., floor scrubbing & polishing machines, 44 N. 4th, Phila., Pa.
Herr Mfg. Co., mattresses, Lancaster, Pa.
Herr, Wm., cornices, 1625 W. 15th, Chicago, Ill.
Herreshoff Mfg. Co., ship builders, mchsts & fndrs., Bristol, R. I.
Herrfeldt, J. H., & Co., cut glassware, 48 Lexington av, Brooklyn, N. Y.
Herrick, A. H., & Son, buckwheat flour, Watertown, N. Y.
Herrick Bros., machsts & fndrs., Bethel, Me.
Herrick, Chas. E., mchsts. & fdrs., Northampton, Mass.
Herrick Co., who. hdwe., 49 Broad, Boston, Mass.
Herrick & Cowell, machsts, New Haven, Conn.
Herrick, F. R., & Co., brushes, brooms, 3843 W. Lake, Chicago, Ill.
Herrick, Geo. S., grate bar mfrs., Syracuse, N. Y.
Herrick Hardware Co., Waco, Tex.
Herrick Refrigerator & Cold Storage Co., Waterloo, Ia.
Herrick & Voigt, chemicals for the textile & leather trades, 68 Maiden lane, New York.
Herring Buggy Co., Mansfield, O.
Herring, G. B., & Son, contractors, Mansfield, O.
Herring-Hall-Marvin Safe Co., Hamilton, O.
Herrington, Ed., masons' & bldrs'. matls., Hillsdale, N. Y.
Herriott Shoe Polish Co., 2801 N B'way, St. Louis, Mo.
Herrlein & Henrich Co., glass stainers, metal & glass signs, 97 Hudson, New York.
Herrlinger & Co., paper bags, 206 Walnut, Cincinnati, O.
Herrlinger Paper Co., 211 Main, Cincinnati, O.
Herrman, F. W., Co., mill & factory supplies, Guttenberg, N. J. (tr.)
Herrmann Bros., cornices, 6th & Clay Day, Cincinnati, O.
Herrmann, Edmund, architect, Massillon, O.
Herrmann & Grace Co., fireproof doors & roofing, 671 Bergen, Brooklyn, N. Y.
Herrmann, H., Furniture Co., music cabinets & desks, 370 Broome, New York.
Herrmann, H., Lbr. Co., E. 125th, New York.
Herrmann, Jos. F., & Co., fertilizer, mtls, glue, axle grease & tallow, Fisher Bldg., Chicago, Ill.
Herrmann, Morris, & Co., clays, color mfrs., 200 5th av. New York.
Herrmann, T. C., architect, 17 Exchange, Providence, R. I.
Herrman's, Philip, Son, contractors, 409 W. 14th, New York.
Herron Lawton Park Co., lbr., Henry bldg, Seattle, Wash.
Herron Mfg. Works, Dir. of the Bossick Co. (Bridgeport, Conn.) jigs & fixtures, dies, gages & special machry., Utica, N. Y.
Herron, P. M., Hardware Co., mill & facty. supplies, 34 Genesee, Aubur., N. Y.
Herron, R. H. Co., oil & gas well supplies, 934 N. Alameda Los Angeles, Cal.
Herron, R. L., architect, 64 W. 38th, New York.
Herruth Core Oil Co., Zion City, Ill.
Hersch, Leo., masons' & bldrs. matls., Sante Fe, N. M.
Herschel, R., Mfg. Co., agricultural implements & mchsts, Peoria, Ill.
Herschel-Roth Mfg. Co., mill & factory supplies, Minneapolis, Minn.
Herschell-Spillman Co., amusement park devices, North Tonawanda, N. Y.
Herschler, L.C., contractor, Schultz Bldg., Columbus, O.
Hersey, A. A., dock bldrs., 362 Border, E. B., Boston, Mass.
Hersey, Ira G., & Sons Co., contractors, 53 Wareham, Boston.
Hersey Mfg. Co., sugar machy, pumps, etc., 314 W. 2d, S. Boston, Mass.
Hersh, A. J., contractor, Altoona, Pa.
Hersh & Bros., heating contractors, Allentown, Pa.
*See adv. index at end of book.*
Hersh, F., Hardware Co., Allentown, Pa.
Hersh, Harvey M., mchsts & fndrs, Locust Valley, Pa.
Hersh & Hersh, architects, Altoona, Pa.
Hershew-Hall Clock Co., McMillan & Essex pl., Cincinnati Ohio.
Hershey-Leaman Co., contrs., Lititz, Pa.
Hershey Machine & Fndry. Co., Manheim, Pa.
Hershey, P. H., canned goods, Spring Grove, Pa.
Hershey & Rohrer, masons' & bldrs'. matls., Ritman, O.
Hershey & Sexton Co., dish washing machs., 1221 Filbert, Philadelphia, Pa.
Hersom, Thos., & Co., tex. mach'y., mill soaps, New Bedford, Mass.
Hertenstein, C. A., Lumber Co., Chillicothe, O.
Hertenstein, M., Co., stove mfrs., 1409 S. High, Columbus, O.
Hertford Hardware & Supply Co., Hertford, N. C.
Herthel, John W., architect, 119 N. 7th, St. Louis, Mo.
Hertig Furnace Co., 1342 Columbus av, Boston, Mass.
Hertlein, J. P. A., landscape architect, Louisville, Ky.
Hestner Elec. & Mfg. Co., battery charging outfits, W. 112th, Cleveland, Ohio.
Herts Bros. Co., interior hardwood work, 20 W. 57th, New York
Herty Turpentine Cup Co., Jacksonville, Fla.
Hertz, Samuel A., architect, 14 Maiden lane, New York.
Hertz & Hosbach Co., cash, door & blind, 4th & Holden, Detroit, Mich.
Hertzberg, H., & Son, bottle brushes, 15 Mercer, New York.
Hertzler & Zook Co., mchsts & fdrs., Belleville, Pa.
Hervey, F. L., & Co., belting mfrs., Fall River, Mass.
Hervey Mach. Works, machsts., 209 Oaks, Kansas City, Mo.
Herwig Art Shade & Lamp Co., lighting fixtures, 2140 N. Halsted, Chicago, Ill. *See adv. index at end of book.*
Herz & Co., battery connectors, spark timers, plugs, auto. accessories, 245 W. 25th, New York.
Herz Mfg. Co., cigar lighters, sad irons, 241 W. 7th, St. Paul Minn.
Herzburn, Bernard, architect, 220 W. 42d, New York.
Herzler & Henninger Machine Works, coal mining machy., Belleville, Ill.
Herzog Art Furniture Co., music cabinets, Saginaw, Mich.
Herzog Bros., carriages, 220 Wendell, Chicago, Ill.
Herzog, Geo. P., contractor, Lafayette, Ind.
Herzog Iron Works, ornamental & structl. iron & steel wks. St. Paul, Minn.
Herzog, Jno., & Son, lime mfrs., Patterson, O.
Heslop, J. W. C., brass castings, Point Pleasant, W. Va.
Hess, A. E., lbr. mfrs., Conyngham, Pa
Hess, Adam, arch'l iron, 417 E. 156th, New York.
Hess & Barker, damper regulators, tablet machines, 618 Chestnut Phila., Pa.
Hess, Barney. See Van Dyke Smelting & Refining Wks. (successor).
Hess-Bright Mfg. Co., bearings, Front & Erie av, Phila., Pa.
Hess, C. E., lumber mfrs., Cherry Creek, N. Y.
Hess Carriage Co., wagon builders, Hagerstown, Md.
Hess, Chas., Co., bath tub seats, etc., 96 Wall, New York.
Hess, D. S., & Co., interior hardwood wks., 3 E. 40th, New York
Hess, Daniel T., carriages, Quarryville, Pa.
Hess, E. C., contractor, Sterling, Ill.
Hess, Frank, & Sons, sash, door & blind mfrs., 2339 N. Cal. av. Chicago, Ill.
Hess Furnace Co., Tacoma Bldg., Chicago, Ill.
Hess, G. B., Co., flour mills, farina, Green Bay, Wis.
Hess, Geo. F., & Son, contractors, Youngstown, O.
Hess, Hy P., architect, 4811 Cote Brilliante, St. Louis, Mo.
Hess & Hopkins Lbr. Co., harness mfrs., Rockford, Ill.
Hess, John, masons' & bldrs'. matls., Steelton, Pa.
Hess Machine Works, 4951 Lancaster, Phila., Pa.
Hess-Martin Iron Wks., 434 Belmont av, Portland, Ore.
Hess Planing Mill Co., Waynesboro, Pa.
Hess & Rau, mach. & fdr., Watertown, S. D.

S. M., & Bro., fertilizer mfrs., 328 Chestnut, Phila., Pa.
Snyder Co., pumps & stoves, Massillon, Ohio.
& Son, blow torches & solder, 808 Watkey, Philadelphia, Pa.
Steel Corpn., carbon, chromes, manganese, nickel, steel, etc., Loney's lane & Biddle, Baltimore, Md.
W. J., machst., Green Bay, Wis.
Warming & Ventilating Co., 1206 B, Tacoma Bldg., Chicago, Ill.
Wm. H., metal novelties, Oneida, N. Y.
Wm. T., mattresses, York, Pa.
e Building Material Co., St. Joseph, Mo.
e Envelope & Lithograph Co., 501 N. 1st, St. Louis, Mo.
e Mfg. Co., cotton webbing, Valley Falls, R. I.
e, Martin, Iron Wks., saw mill machy., etc., 468 E. Taylor, Portland, Ore.
e, Walter, architect, 18 E. 41st, New York.
e, W. G., & Son, Mfg. Co., carriages, Leavenworth, Kas.
enbruch, H., Co., hdwe., who., razor mfrs., 8 N. 5th, Phila.
on Bros., mason contrs., Derby, Conn.
er Foundry & Mfg. Co., grey iron castings, Oswego, N. Y.
er, H. E., Co., hdwe. mfrs. who., Syracuse, N. Y.
ler, H. H., elastic, surgical hosiery, 38 Arcade, Cleveland, O
ner, Hy., & Son, truck trailers, 33 Bartlet, Brooklyn, N. Y.
r Mfg. Co., brass door guards, grilles, railings & threshlds, etc., 1455 S. Michigan av, Chicago, Ill.
erington & Berner, mchsts. & fndrs., Indianapolis, Ind.
erington Co., special machy., Piqua, O.
erington, J. T., architect, 38 S. Dearborn, Chicago, Ill.
erington, Jno., & Sons, Ltd., mchsts. & fndrs., 10 High, Boston, Mass.
ck, Wilson, & Co., flour mills, Indiana, Pa.
nger, C. F., & Co., brewery architects, 1140 Columbus av Boston, Mass.
nger, E. A., contr., Palo Alto, Cal.
nger Engine Co., engine builders & mchsts, Bridgeton, N. J
nger, Hy. C., landscape arch., McHenry, Ill.
nger, John P., architect, 3171 N. Halsted, Chicago, Ill.
er, Herman H., Lbr. Co., 2601 Elston av, Chicago, Ill.
ick Mfg. Co., canvas goods of all kinds, belting, etc., Toledo, Ohio.
el & Co., meat packers, 1743 Larrabee, Chicago, Ill.
el, J. G., Est. of, contractor, cements, compound, paints, etc., 67 Main, Newark, N. J.
ell, John G., & Son, cornices, Paca & Mulberry, Baltimore, Md.
eck, Geo. F., Jr., heating contr., 128 N. Fremont av, Baltimore, Md.
keroth, Jno., brick, Quakertown, Pa.
hes, F. L., & Co., structural steel & iron work, Rochester, N. Y.
nader, Chris., trunks, St. Joseph, Mo.
, Arthur, architect, 64 E. Van Buren, Chicago, Ill.
inger Hardware Co., San Antonio, Tex.
et, Lea, Lbr. Co., Bellevue, Wash.
ell, T. J., Jr., fertilizer, Dewey Rose, Ga.
s, Geo. D., contractor, Chester, Pa.
s & Phillips Iron Wks., 8 Orange, Newark, N. J.
s, Sam'l, contractor, Chester, Pa.
tt, C. G., cotton damasks, Unity & Leiper Phila., Pa.
tt, Jas. A., contractor, Elyria, O.
t, D. E., Lbr. Co., Kermit, W. Va.
tt & Ash, architects, 52 Walnut, Phila., Pa.
tt Bearing Metal Co., Inc., 209 Berkeley av, Newark, N. J.
tt Bros., machsts. & fndrs., Punta Gorda, Fla.
tt Bros. Soap Co., Dayton, Ohio.
tt, C. B., & Bros., Inc., pattern boards, etc., 20 Ferry, New York. *See adv index at end of book*
tt, Chas. W., architect, 604 Academy, Astoria, N. Y.
tt, Edward S., architect, 597 5th av, New York.
tt & Emerson, architects, Peoria Life bldg, Peoria, Ill.
tt, Ernest C., contractor, Bay City, Mich.
tt & Granger, architects, Bullitt Bldg., Philadelphia, Pa.
tt, Harwood, architect, New York bldg, Los Angeles, Cal.
tt, Jno., machsts. & fndrs., East Newark, N. J.
tt, L. & R. T., mattresses, South Wethersfield, Conn.
tt-Ludlow Auto Co., 901 Indiana, San Francisco, Cal.
tt Mfg. Co., fndrs., 241 Greenfield av, Milwaukee, Wis.
tt Motor Co., 252 W. 64th, New York.
tt Rubber Co., hose, valves, etc., Buffalo, N. Y.
tt Sales Co., babbitt metal, 1325 12th, Detroit, Mich.
tt Steel Corp., Newark, N. J.
tt, Thos. J., vent. mfr., 57 Ann, New York.
tt & Warden, light switchboards, Newburgh, N. Y.
tt White Co., corset, shoe laces, Paterson, N. J.
tt, Wm. S., architect, Atlantic City, N. J.
ett Bros., lubrg. oils, 32 Front, New York.
ett, Geo. B., blue & black prints, 32 Front, New York.
ett, Wm. A., architect, 1265 Broadway, New York.
A. H., & Co., potteries, Cambridge, Mass
r & Co., stoves, tinware, crockery, 480 Hoyt, Portland, Ore.
M. Mfg. Co., mchsts. & fndrs., 633 N. 3d, Phila., Pa.
Richard & Son, woolen blankets, Main Bl. Walnut lane, Philadelphia, Pa.
rook Lbr. Co., Heybrook, Wash.
en Chemical Wks., Garfield, N. J.

Heyden, F., telephone cabinet wks., 517 N. Halsted, Chicago, Ill.
Heyer, A. Lester, meat packer, 318 E. 38th, New York.
Heyer, T. A., Duplicator Co., 160 N. Wells, Chicago, Ill.
Heyl, Bros. Co., canned goods, 101 S. Front, Phila., Pa.
Heyl & Patterson, conv. troughs, 51 Water, Pittsburgh, Pa.
Heyl, Philip F., lbr., 1215 W. 6th, Cincinnati, Ohio.
Heyman, N. H., anhydrous ammonia & brewers' machy., 428 E. 59th, New York.
Heyman-Weil Co., who. hdwe., 720 Mission, San Fransisco, Cal.
Heystek, Baker, Constr. Co., Kalamazoo, Mich.
Heyward, Thos. R., Co., ferro, alloys, pigiron, fluorspar, Farmers Bank Bldg., Pittsburgh, Pa.
Heywood Bros. & Waflefield Co., portables, 516 W. 34th, New York, and Gardner, Mass.
Heywood Mfg. Co., envelopes, 420 N. 3d, Minneapolis, Minn.
Heywood Milling Co., flour, Jackson, Mich.
Heyworth, Jas. O., contractor, 606 S. Michigan av, Chicago, Ill.
H. G. Chemical Products Co., Inc., boiler compound, 3778 E. 91st, Cleveland, Ohio.
H. H. H. Tire & Mfg. Co., 263 Halsey, Newark, N. J.
Hiarka, Jno., bank railings, Omaha, Neb.
Hibbard, B. H., Co., contractors' & masons' & bldrs.' matls., New Britain, Conn.
Hibbard Basket Wks., South Butler, N. Y.
Hibbard Eng'ng Co., cam shafts, Majestic Bldg., Detroit, Mich.
Hibbard, Frank W., contractor, 108 Fargo av, Buffalo, N. Y.
Hibbard Gas Engine Co., Machsts, Hudson Falls, N. Y.
Hibbard, Spencer, Bartlett & Co., wholesale hardware, cutlery, tin plate, woodenware, paints, oils, etc., 303 N. State Street Bridge, Chicago, Ill.
Hibbard, W. E., Mfg. Co., machsts., 79 Washingotn, B'klyn, N. Y.
Hibben & Co., steel plate wks., 9376 Ewing av, Chicago, Ill.
Hibberd Brick Co., Kearney, Neb.
Hibbs, E. A., cupolas, range boilers, expansion tanks, etc., Bread & Quarry, Philadelphia, Pa.
Hibbs, H. C., architect, F. & F. Nat'l. Bank Bldg., Nashville, Tenn.
Hibbs Hardware Co., Portsmouth, Ohio.
Hibner-Hoover Hardware Co., Dubois, Pa.
Hice Mfg. Co., carriage rims, Johnson City, Tenn.
Hickerson Roller Mill Co., flour, Grantsburg, Wis.
Hickey & Baker, cornices & skylights, Englewood, N. J.
Hickey Bros., contractors, Railway Exch. Bldg., St. Louis, Mo.
Hickey Contracting Co., 841 B'way, New York.
Hickey Fdry. Co., Buffalo, N. Y.
Hickey M. F. Co., stone prod., 83 9th, Brooklyn, N. Y.
Hickey, M. H., arch'l iron, 36 W. Randolph, Chicago, Ill.
Hickey, Michael & Co., boot & shoe counters, Haverhill, Mass.
Hickey & Schneider, electrical specialties, Elizabeth, N. J.
Hickler Bros., contractors, Sault Sainte Marie, Mich.
Hickman, C. F., architect, Columbus, Ga.
Hickman, Charles L., architect, Clarksburg, W. Va.
Hickman, Franklin P., machsts, Wilmington, Del.
Hickman Milling Co., flour, Hickman, Tenn.
Hickman, V. Q., steam fitters' supls., Union Bk. Bldg., Pittsburgh, Pa.
Hickman Wagon Co., Hickman, Ky.
Hickman, Williams & Co., Coke Mfrs., Ferro-Phosphorus, Louisville, Ky.
Hickmott, R., Canning Co., 320 California, San Francisco, Cal.
Hickok Const. Co., grain elev. bldrs., 818 Flour Exch., Minneapolis, Minn.
Hickok Electric Instrument Co., shunt ammeters, 10514 Dupont, Cleveland, Ohio.
Hickok, Horatio, Co., lbr. & packing box mfrs., Burlington, Vt.
Hickok, W. O., Mfg. Co., bookbinders mach., Harrisburg, Pa.
Hickory Carriage Co., Sp. Grove av. & Rawson, Cincinnati, Ohio.
Hickory Gas Mantle Mfg. Co., University & Griggs, St. Paul, Minn.
Hickory Handle & Mfg. Co., Conover, N. C.
Hickory Lbr. Co., Danielsville, Pa.
Hickory Mfg. Co., sashes, doors & blinds, Hickory, N. C.
Hickory Novelty Co., sashes, doors & blinds, Hickory, N. C.
Hickory Run Mfg. Co., cooperage, Allentown, Pa.
Hickory Steel Grip Glove Co., 2418 Diversey av, Chicago, Ill.
Hicks, A. C., contractor, Cole Brook, N. H.
Hicks, A. P., paint mfr., Phelps, N. Y.
Hicks Boiler Wks., 614 S. Main, Providence, R. I.
Hicks, Burt, mach. & fdr., Portland, Ore.
Hicks, C. W., machst. & fndr., Lynchburg, Va.
Hicks Co., Ltd., masons' & bldrs.' matls., Shreveport, La.
Hicks, Geo. F. H., R. R. track laying machines, 455 Lafayette, Chicago, Ill.
Hicks & Harper, architecs, Florence, S. C.
Hicks, Harry, machsts & fndrs., North Vernon, Ind.
Hicks, Howard W., Co., Auto Washing Brushes, Denver, Colo.
Hicks, J. C., Sheet Metal Works, cornices & skylights, Knoxville, Tenn.
Hicks, J. Howard, architect, Washington Court House, Ohio.
Hicks, Jas. L., engines, tools, etc., 967 Howard, San Francisco, Cal.
Hicks, Jewell, architect, Durant, Okla.
Hicks, John H., lbr., Avondale, Pa.
Hicks, S. D., & Sons, cornices & skylights, 9 Bowker, Boston, Mass.
Hicks, W. R., contractor, Elwood, Ind.
Hicks, Wm. Mather, gold pens, 235 Greenwich, New York.

Hickson Lbr. Co., Lynchburg, Va.
Hickson-Rogers Mfg. Co., dowel pins, spokes, etc., Paragould, Ark.
Hickson, Stephen A., gold leaf, 559 Broome, New York.
Hicksville Handle Co., Three River, Mich.
Hico Milling Co., flour, Burlington, N. C.
Hico Oil Mill, meal, Hico, Tex.
Hidalgo Steel Co., 253 B'way, New York.
Hidden Otis Co., wholesale hardware, Louisville, Ky.
Hide & Leather, trade publication, 136 W. Lake, Chicago, Ill.
**HIDE, LEATHER & BELT CO.**, 227 S. Meridian, Indianapolis, Ind.
Hide & Leather Working Mach. Co., 4215 Meinecke av, Milwaukee, Wis.
Hieatt, F. L., Brick & Tile Co., San Diego, Cal.
Hieb Box Mfg. Co., dowels, handles, etc., Merrill, Wis.
Hiener Hardware Co., Wheeling, W. Va.
Hieronymus, C. H., lbr. mfrs., Monica, Ky.
Hierspiel Bros., cornices, Peoria, Ill.
Hiertz, Theo., Metal Co., Alaska & Tesson, St. Louis, Mo.
Hiestand & Co., masons' & bldrs.' matls., Salunga, Pa., & Eaton, Ohio.
Higbee, Wilbur S., contractor, Atlantic City, N. J.
Higbie Oats Cleaner Co., 2036 N. Clybourn, Chicago, Ill.
Higbie, R. W., Co., lbr., New Bridge, N. Y.
Higby, Gilbert C., architect, 207 Market, Newark, N. J.
Higganum Hardware Co., Higganum, Conn.
Higgin Mfg. Co., hardware, buttons, etc., Newport, Ky.
Higginbotham & Knapp, architects, Charleston, W. Va.
Higgins, A. G., Lbr. & Export Co., Whitney bldg., New Orleans, La.
Higgins, Alvah E., dowels, Jamaica, Vt.
Higgins, Chas. H., architect, 19 W. 44th St., New York.
Higgins, Chas. M., & Co., mucilage, paste and ink mfgs., 271 9th, Brooklyn, N. Y.
Higgins & Co., machsts. & fndrs., Holyoke, Mass.
Higgins Dental Mfg. Co., Bellevue, Ohio.
Higgins, E. S., architect, 95 Exchange, Portland, Me.
Higgins, F. J., 154 W. Randolph, Chicago, Ill.
Higgins, Frank B., metal doors, 203 N. 12th, St. Louis, Mo.
Higgins, G. F., Co., heating contrs., Wabash Bldg., Pittsburgh, Pa.
Higgins, J. F., & Co., cornices, 5751 Eastern av, St. Louis, Mo.
Higgins, J. H., Co., scrap iron, 198 Globe, Providence, R. I.
Higgins, J. J., contractor, 349 Main, Worcester, Mass.
Higgins, Jas., brick, Marshall, Tex.
Higgins, John C., machsts., 812 W. Kinzie, Chicago, Ill.
Higgins, Joseph I., architect, Borden Blk., Fall River, Mass.
Higgins-Jung Kleinau Co., stone & granite producers, Bloomington, Ill.
Higgins Lbr. Co., 423 6th, San Francisco, Cal.
Higgins, M. C., contrs., Terre Haute, Ind.
Higgins Machinery Co., belt clamps, Seattle, Wash.
Higgins, Olstin M., architect, Hyde Park, Boston & Attleboro, Mass.
Higgins, Ralph B., architect, 19 W. 44th, New York.
Higgins, Robt., contractor, 4642 Lancaster av, Philadelphia, Pa.
Higgins, Robt. J., lubrg. oils, Albany, N. Y.
Higgins Spring & Axle Co., Racine, Wis.
Higgins Stone Co., Bellevue, Ohio.
Higgins, Thos. H., contractor, Glen Ridge, N. J.
Higgins, W. R., sash, door & blind, Chelan, Wash.
Higgins, W. S., contractor, Newtonville, Mass.
Higgins, Wm., Dry Docks & Marine Rys., Bayonne, N. J.
Higgins, Wm. E., architect, Santa Clara, Cal.
Higginson-Gibson Mfg. Co., sockets, 76 Atherton, Boston, Mass.
Higginson Mfg. Co., cements, mortar, plaster, etc., Newburgh, N. Y.
Higginson, Wm., architect, 186 41st, New York.
Higginsville Milling Co., flour, Higginsville, Mo.
Higgs, P. F., architect, Pomona, Cal.
High Falls Mfg. Co., flour, High Falls, N. C.
High Falls Pulp & Paper Co., Chateaugay, N. Y.
High Point Brick Co., High Point, N. C.
High Point Buggy Co., High Point, N. C.
High Point Mfg. Co., music cabinets, High Point, N. C.
High Point Metallic Bed Co., High Point, N. C.
High Point Mill Co., lumber, High Point, Wash.
High Point Milling Co., flour, High Point, N. C.
High Point Veneer & Panel Co., High Point, N. C.
High Shoals Co., cotton sheetings, Charlotte, N. C.
High Shoals Mfg. Co., cotton sheetings, High Shoals, Ga.
High Speed Engine Corp., marine engines, 9 Clinton, Newark, N. J.
High Speed Hammer Co., Inc., riveting machines, 313 Norton, Rochester, N. Y.
High Speed Metallic Packing Co., 115 E. S. Water, Chicago, Ill.
High Speed Tools Corp. See U. S. High Speed Steel & Tool Corp.
High Tension Elec. Spec. Co., cut out hangers & arc lamp insulators, Newton, Mass.
High, W. M., architect, Reading, Pa.
Highby, H. A., lumber mfrs., Willsboro, N. Y.
Highfield, John W., chemicals, 248 N. 10th, Brooklyn, N. Y.
Highgate Mfg. Co., brass fndrs., Highgate, Vt.
Highhouse's, E., Sons, brick, Warren, Pa.

Highland Body Mfg. Co., carriage bodies & seats, Center Hi & C. H. & D. R. R., Elmwood, Cincinnati, Ohio.
Highland Chemical Products Co., cast iron pipe coatings, nellsville, Pa.
Highland Cherry Farm Co., canned, Clyde, Ohio.
Highland Coal Co., masons' & bldrs. matls., Somerville, Ma
Highland Coal & Lbr. Co., Davidson, Tenn.
Highland Cordage Co., Hickory, N. C.
Highland Electro Chemical Mfg. Co., soldering flux, Conn ville, Pa.
Highland Engraving Co., 256 Sherman, Passaic, N. J.
Highland Fndrs. & Mach. Co., Somerset, Pa.
Highland Glass Co., Washington, Pa.
Highland Iron & Steel Co., Terre Haute, Ind.
Highland Knitting Mill, knitted gloves, Highland, N. Y.
Highland Machine Co., 56 Kemble, Rox, Boston, Mass.
Highland Mfg. Co., tablets & pads, Holyoke, Mass.
Highland Milk Condensing Co., Elkland, Pa.
Highland Mill Co., flour, Willette, Tenn.
Highland Milling Co., flour, Highland, Ill.
Highland Oil Co., gasoline, Clarion, Pa.
Highland Orchards Co., canned goods, Highland, N. Y.
Highland Paper Co., Johnsonburg, Pa.
Highland Park Mfg. Co., meal, cottonseed, Charlotte, N. C.
Highland Slate Co., roofing slate mfrs., Slatedale, Pa.
Highland Stone Co., Olive Hill, Ky.
Highland Worsted Mills, sweaters, etc., Camden, N. J.
Highlander Machine Co., washing machines, Spencerport, N
Highlands Fire Clay Co., Mackind & Berthold av., St. Louis.
Highton, Wm., & Sons Co., builders' & cabinet hardware, b bronze & iron castings, mfrs., Nashua, N. H.
Hightower Box & Tank Co., Atlanta, Ga.
Hightower Planing Mill, Cedartown, Ga.
Highway Engng. & contr., trade publication, Monadnock b Chicago, Ill.
Highwood Mfg. Co., masons' & bldrs.' matls., Highwood, Ill.
Higley Mach. Co., Croton Falls, N. Y.
Higley, W. C., bldg. contr., Branford, Conn.
Higman, John W. Co., china clays, flint pebbles, chalk, Broadway, New York.
Higrade Belting & Weaving Co., woven cotton, Paris, New N. J.
Higrade Motor Co., Harbor Springs, Mich.
Higrade Slate Co., roofing, Granville, N. Y.
Hihn, F. A., Co., Lbr. Mfrs., Santa Cruz, Cal.
Hiland Constr. & Lumber Co., Steubenville, Ohio.
Hilb & Bauer, scrap iron & steel, Union Tr. Bldg., Cincinnat
Hilb, L., Smelting & Refining Co., 1250 W. 8th, Cincin Ohio.
Hilbert Mach. Co., radial drills, 2116 Colerain av, Cincin Ohio.
Hild Canning Co., Pierre, S. D.
Hildbrandt, Frank, contractor, Houghton, Mich.
Hildebrand, A. M., contractor, Wilkes-Barre, Pa.
Hildebrand Buggy & Auto Co., carriages, Terre Haute, Ind.
Hildebrand, E. H., architect, 68 Post, San Francisco, Cal.
Hildebrand, Fred, contractor, Forest Home av, Milwaukee,
Hildebrandt, John J., Co., fishing tackle, Logansport, Ind.
Hildebrandt Provision Co., meat packers, 3620 Clark av, Cl land, Ohio.
Hildred, John W., & Co., mill & factory supplies, St. Paul, M
Hildreth & Beckman, architects, 311 W. 17th, Cincinnati, C & First Natl. Bk. Bldg., Covington, Ky.
Hildreth Bros., machsts. & fdrs., Harvard, Mass.
Hildreth & Co., testing laboratories, 15 Broad, New York.
Hildreth Granite Co., 31 State, Boston, Mass.
Hildreth, H. V., granite, Graniteville, Mass.
Hildreth, Herbert L., Co., confectioners' machy., 67 Batt march, Boston, Mass.
Hildreth Iron Wks., Hildreth, Neb.
Hildreth, J. D., & Son, contractors, 514 Elm, New Haven, C
Hildreth Varnish Co., 90 West, New York.
Hilf Bros., contractors, 9½ Norton, Pittsburgh, Pa.
Hilfinger Bros., plow clamps, potteries, etc., Fort Edward, N
Hilgard Lumber Co., Houston, Texas.
Hilgartner Marble Co., 223 N. Charles, Baltimore, Md.
Hilgeman, Henry, contractor, Fort Wayne, Ind.
Hilgen Mfg. Co., lumber, Cedarburg, Wis.
Hilgen, Wm. F., architect, Cedarburg, Wis.
Hilgendorf, C. F., whol. hdwe., 303 3rd, Milwaukee, Wis.
Hilker Bros. Brick Mfg. Co., Racine, Wis.
Hilker, Charles, & Sons, lbr., Fort Wayne, Ind.
Hilker, Edw., Mop Co., 2614 W. Grand av, Chicago, Ill.
Hilker, H. A., brick, Racine, Wis.
Hilkert, A. B., contractor, Geneva, N. Y.
Hill, A. E., Mfg. Co., machsts. & fdrs., Atlanta, Ga.
Hill, A. R., & Co., masons' & blds.' matls., Willoughby, Ohio
Hill, Arthur, & Co. (Ltd.), lbr. mfrs., Saginaw, Mich.
Hill, Arthur E., architect, 75 Westminster, Providence, R.
Hill & Bosley, fndrs., Winchendon, Mass.
Hill Bros. & Co., turned wood novelties, Williamsburg, Mass
Hill-Brunner Foundry Supply Co., 637 Evans, Cincinnati, (
Hill Button Wks., 230 W. 17th, New York.
Hill, C. V., & Co., refrigerators, stove trucks, etc., Trenton,
Hill, C. W., masons' & bldrs.' matls., Walden, N. Y.
Hill, C. W., Chemical Co., 623 S. San Pedro, Los Angeles, C
Hill-Canton Dryer Co., Canton, Ohio.

City Machine Shop, Rome, Ga.
Clarke & Co., Inc., machy. dlrs., 156 Oliver, Boston, Mass., and 625 Washington blvd, Chicago, Ill.
Clemens F., carriages, Easton, Pa.
Clothes Dryer Co., clothes dryer & ash sifter mfrs., 40 Central, Worcester, Mass.
Clutch Co. (The), friction clutches, W. 65th, Cleveland, O.
Curtis, Co., saw mill machy., Kalamazoo, Mich.
& Cutler, cotton waste, 176 Federal, Boston, Mass.
Dan L., machsts., Keene, N. H.
& Dixon Co., cotton waste, Hearst Bldg., Chicago, Ill.
Dredging Co., Atlantic City, N. J.
Drummond Lbr. Co., Saginaw, Mich.
E. W., wagons, dumping, 24 Pollock av, Jersey City, N. J.
Edwin M., lumber mfgs., 2601 Penn av, Pittsburgh, Pa.
& Evans, cornices, Nanticoke, Pa.
F. H., Co., coffins, etc., 944 Wash'n blvd, Chicago, Ill.
Mrs. Florence M., architect, 202 W. 74th, New York.
Frank E., architect, Empire Bldg., Detroit, Mich.
Frank L., masons' & bldrs.' matls., Danville, Ill.
Geo., architect, 25 Church, New York.
Geo., arch'l engrs., 31 E. 27th, New York.
Geo. H., architect, Bluefield, W. Va.
Geo. Q., Co., metal nov. & spec., nuts, screws, etc., 37 Wellington av, Framingham, Boston, Mass.
Geo. W., masons' & bldrs.' matls., Rockville, Conn.
Geo. W., & Sons, stone producers, Pittsburg, Kans.
L & GRIFFITH CO. (THE), foundry supplies, 1248 State av, Cincinnati, Ohio, and Birmingham, Ala.; Chicago, Ill.; Pittsburgh, Pa. *See adv. index at end of book.*
Hdwe. & Paint Co., mill & facty. supplies, Nashua, N. H.
Harry A., architect, 40 E. State, Trenton & Princeton, N. J.
Hydraulic Mach. Co., rams, Seattle, Wash.
I. Edgar, architect, Geneva, N. Y.
I. H., architect, Perkins bldg., Tacoma, Wash.
ndependent Mfg. Co., copying baths, Adams & Emerald, Philadelphia, Pa.
Insulating & Mfg. Co., plugs, 511 W. 42nd, New York.
J. C., Lumber Co., Houston, Texas.
J. H., & Sons, line tags, Coventry, R. I.
J. R., architect, Winston-Salem, N. C.
Jas., Mfg. Co., cans, tin cylinders, stovepipe mfrs., etc., 52 Westfield, Providence, R. I.
John Constr. Co., Syndicate Trust Bldg., St. Louis, Mo.
& Karnes Brick Co., Paducah, Ky.
& Langstroth, hdwe. mfrs., 79 Beekman, New York.
Lodowick J., Jr., architect, Atlanta Nat. Bk. Bldg., Atlanta, Ga.
Logging Co., Bunker, Wash.
M. B., Mfg. Co., lathe dogs, Worcester, Mass.
Mfg. Co., auto. seats, tops, wooden bodies & windshields, 23 Fuller, Buffalo, N. Y.
Mfg. Co., cotton sheetings, Lewiston, Me.
Mfg. Co., machinist, New Madison, Ohio.
Mfg. Co., radiator shields, 2127 Railway Exchange Bldg., St. Louis, Mo.
Martin & Hill, cornices & skylights, Independence, Mo.
& Mount, lbr., Essex bldg, Newark, N. J.
N. N., Brass Co., bell founders, gongs, toys, etc., East Hampton, Conn.
Norman H., architect, 601 Lombard, Indianapolis, Ind.
Peter W., contractor, 97 Proctor, Boston, Mass.
Pump Valve Co., 4001-21 Belmont ave, Chicago, Ill.
Richard F., Mfg. Co., sporting goods, 219 High, Newark, N. J.
Robt. H., architect, Ambridge, Pa.
Rubber Heel Co., Elyria, Ohio.
S., & Son, cornices & skylights, Santa Ana, Cal.
Samuel, Hardware Co., Prescott, Ariz.
mith Metal Goods Co., for automobiles, 82 Brookline av, Boston, Mass.
Standard Mfg. Co., crank turning device, etc., Anderson, nd.
& Stout, architects, 299 Madison av, New York.
Thomas, common brick, Edgar, Wis.
Thos., machsts., Bridgeport, Ohio.
Thomas Lime & Cement Co., masons' & bldrs.' matls., East St. Louis, Ill.
W. C., flour mills, Dandridge, Tenn.
W. H., cornices & skylights, Marlboro, Mass.
W. H., elec. fixtures, Cambridge Springs, Pa.
W. V., stone, Morton, Pa.
Walter E. & Co., htg. contrs., 203 N. Liberty, Baltimore, Md.
Wm. C., churns, wood pumps, Brasher Falls, N. Y.
Wm. D., architect, Pottsville, Pa.
Wm. F., contractor, Superior, Wis.
Wm. J., struct'l slate, 70 Wall, New York.
ıd, W., mach. & fdr., Greensburg, Ind.
'd, C. J. Co., ornamental iron, 19th & Minnesota, San Francisco, Cal.
'd, W. B., architect, 366 5th av, New York.
, Frank, cornices & skylights, Burlington, Ia.
ı Mfg. Co., mchsts. & fndrs., Louisville, Ky.
ıbrand Co., lbr., Batesville, Ind.
ıbrand, Edw. F., glass stainers, 257 W. 29th, New York.

Hiller, J. G., cardboard megaphone, 112 N. 4th av, Louisville, Ky.
Hillerich & Bradsby Co., golf clubs, sporting & athletic goods mfrs., 725 S. Preston, Louisville, Ky.
Hilles & Jones Co., machine tools, punching & shearing machy., etc., E. Wilmington, Del. *See adv index at end of book.*
Hillger, Samuel E., architect, Seward blk, Auburn, N. Y.
Hillgreen, Lane & Co., organs, Alliance, Ohio.
Hillhouse & Taylor, masons' & bldrs.' matls., Willimantic, Conn.
Hilliard Clutch & Machinery Co., clutches, etc., Elmira, N. Y.
Hilliard Constr. Co., 7 E. 42d, New York.
Hillick, James, Co., contrs., Ithaca, N. Y.
Hillier's, R., Son Co., soap bark, powdered licorice, lac sulphur, etc., 100 William, New York.
Hilliker, C. M., & Sons, machsts. & fndrs., Akron, Ia.
Hillinger, R. J., & Co., fountain pen mfrs., 10 S. Wabash av, Chicago, Ill.
Hillis, J. W., & Son, machsts. & fndrs., Ladoga, Ind.
Hillje Bros., fertilizer mfrs., Weimar, Tex.
Hillman Auto Supply Mfg. Co., auto windshields, 98 Massachusetts av, Boston, Mass.
Hillman, Chas. L., & Son, architects, Provident Bldg., Phila., Pa.
Hillman Coal & Coke Co., 1st. Natl. Bank bldg, Pittsburgh, Pa.
Hillman, F. G., mill & facty. supplies, New Bedford, Mass.
Hillman, J. H., & Sons Co., see Hillman Coal & Coke Co.
Hillman, Jos., machy. dlrs., Minneapolis, Minn.
Hillmann, Gustav F. C., naval architects, 470 Green av, Brooklyn, N. Y.
Hillock & Pitman Co., wood handles, Logansport, Ind.
Hills, Alfred L., contractor, Hartford, Conn.
Hills, Chas. L., machy. dlrs., Wheeling, W. Va.
Hill's, Edw., Sons & Co., antimony, oils, soda ash, etc., 64 Wall, New York.
Hills, Edwin, saddlery hardware, shovels, trowels, etc., Plainville, Conn.
Hill's, F. J., Sons, machsts., 6 Howard, New York.
Hills, F. O., machsts. & fndrs., Milroy, Ind.
Hills, McCanna Co., castings, pumps, etc., 153 W. Kinzie, Chicago, Ill.
Hills, Robt. E., valve mfr., 153 W. Kinzie, Chicago, Ill.
Hillsboro Brick & Tile Co., Hillsboro, Ill.
Hillsboro Coal Co., Hillsboro, Ill.
Hillsboro Condensed Milk Co., canned, Hillsboro, Wis.
Hillsboro Cotton Mills, Hillsboro, Tex.
Hillsboro Dredging Co., Tampa, Fla.
Hillsboro Hdwe. Lbr. Co., Hillsboro, Wis.
Hillsby & Perkins, contractors, 1825 Sansom, Philadelphia, Pa.
Hillsdale Granite Co., Roslyn, Pa.
Hillsdale Plow Co., fndrs., Hillsdale, N. Y.
Hillsdale Screen Co., Hillsdale, Mich.
Hillside Canning Co., Port Townsend, Wash.
Hillson, Hyman M., ovens, Somerville, Mass.
Hilltop Pure Food Co., Ltd., canned goods, Pittsburgh, Pa.
Hillview Shingle Co., Montesano, Wash.
Hillyard Lbr. Co., Hillyard, & Lake City, Wash.
Hillyard Mfg. Co., disinfectants, St. Joseph, Mo.
Hilo Gum Co., vending mach., 1516 W. Van Buren, Chicago, Ill.
Hilo Varnish Corp., enamels, japan lacquer, etc., Marcy & Flushing avs, Brooklyn, N. Y.
Hils, Chas. L., Co., scrap iron, rubber, 832 Reedy, Cincinnati, O.
Hilsenbeck, H. C., mill & facty. supplies, Greeley, Ia.
Hiltebrant, C., Dry Dock Co., Kingston, N. Y.
Hilton & Briggs, contractors, Battle Creek, Mich.
Hilton, J. D., canned goods, Fincastle, Va.
Hilton Hdwe. Co., Harrisonburg, Va.
Hilton Lbr. Co., Wilmington, N. C.
Hilton & Sadler, architects, Janesville, Wis.
Hilton, Sam'l, fndrs., Paterson, N. J.
Hilts, Wm. H., Co., cornices, 82 W. 3d, New York.
Hilts Wrench & Mfg. Co., boiler flue cleaners, Richford, N. Y.
Hilty, J. H., & Son, brick, Ada, Ohio.
Hilty, M., Lbr. Co., ft. 12th, Milwaukee Wis.
Hiltz, John, & Sons, contractors, 3 Clay, Baltimore, Md.
Hime, L. L., contr., Freeport, Ill.
Hime, J. R., Sand Co., sand producers, Junction City, Ga.
Himebaugh Bros., army cots, Jamestown, N. Y.
Himebaugh, C. M., architect, Astoria, Ore.
Himelblau, A. L., architect, 179 W. Washington, Chicago, Ill.
Himes, Albert, Coal Co., masons' & bldrs.' matls., Grand Rapids, Mich.
Himmel, M. L., & Son, show cases, 113 Gay, Baltimore, Md.
Himmelberger-Harrison Lumber Co., Cape Girardeau, Mo.
Himmelien & Bailey, belting mfrs., 248 Chestnut, Phila., Pa.
Himoff Mach. Co., mills, Astoria, Long Island, N. Y.
Hinamon, D. M., stone producers, Marion, Ohio.
Hincher Mfg. Co., folding chairs, garment hangers, Washington, Ind.
Hinchey, Patrick F., & Co., slate mill stock, tubs, mantels, etc., Hydeville, Vt.
Hinchliff, Geo., Co., contractors, 189 W. Madison, Chicago, Ill.
Hinchliff Lumber Co., Galesburg, Ill.
Hinchman, E. G., Co., htg. contrs., 1263 Atlantic av, Brooklyn, N. Y.
Hinchman & Pilat, architects, 52 B'way, New York.
Hinchman-Renton Fireproofing Co., Denver, Colo.
Hinckey, Jos. F., architects, Savings Bank Bldg., Ithaca, N. Y.
Hinckley, Chas. C., machsts., Aurora, Ill.

Hinckley-Dwight Lbr. Co., Gest & Dalton, Cincinnati, Ohio.
Hinckley Fibre Co., Hinckley, N. Y.
Hinckley, H. M., architect, Vineyard Haven, Mass.
Hinckley, Henry N., architect, Savings Bk. Bldg., Ithaca, N. Y.
Hinckley Machine Works, milling mach. attachments, Hinckley, Ill.
Hinckley, W. R., architect, Bluehill, Me.
Hincks, Jos. L. S., caskets, coffins, etc., Old Town, Me.
Hind, Thos. J., contractor, 49 Milk, Boston, Mass.
Hinde Brick & Tile Co., Sandusky, Ohio.
Hinde & Dauch Paper Co., Sandusky, Ohio.
Hindee, Franklin, architect, Union Trust bldg, Prondere, R. I.
Hinderer's Iron Wks., machsts., 118 Camp, New Orleans, La.
Hindle, Walter E., machst., 149 Lafayette, New York.
Hindley, Edwin B., & Co., mill & facty. supplies, Paterson, N. J.
Hindley Gear Co., 1105 Frankford av, Philadelphia, Pa.
*See adv index at end of book.*
Hindley Mfg. Co., screw eyes cotters, keys, etc., Valley Falls, R. I.
Hindley & Pendleton Co., riveted pipe, etc., 74 Greenpoint av, N. Y.
Hinds & Coon, mill & facty. supplies, 126 Pearl, Boston, Mass.
Hinds, J. A., & Co., flour mills, Rochester, N. Y.
Hinds, Thomas, Co., machsts. & fndrs., Malone, N. Y.
Hine Bros., mfrs. of colors & dyes, 80 Maiden lane, New York.
Hine Bros. Co., soap, fertilizer mfrs., 4023 S. Ashland av, Chicago, Ill.
Hine Concretetile Co., Grand Rapids, Mich.
Hine, F. L., architect, 189 Montague, Brooklyn, N. Y.
Hine-Watt Mfg. Co., auto lamps, track jacks, gasoline blow torches, 180 N. Market, Chicago, Ill.
Hineline, J. M., & H. H., contrs., Freeport, Ill.
Hiner, Lewis E., architect, Gary, Ind.
Hines Bros. Lbr. Co., lumber mfrs., Kinston, N. C.
Hines, Edward, Lumber Co., sash, door & blind mfrs., 2431 Lincoln, Chicago, Ill.
Hines, Frank H., contractor, 128 W. 124th, New York.
Hines, Frank, Jr., lumber, Ellsworth, Wis.
Hines, Frank & Son, contrs., Muncie, Ind.
Hines, H. C., & Co., cornices, 354 Humboldt av, Detroit, Mich.
Hines Lbr. Co., Rutherfordton, N. C.
Hines & Ritchey, coppersmiths, Louisville, Ky.
Hingley, J. A., Mach. Co., Denver, Colo.
Hinkel, J. K., Mfg. Co., carriage & wagon materials mfrs., Mechanicsburg, Pa.
Hinkle, E. P., & Co., mattresses, 488 Maine av, S. W., Washington, D. C.
Hinkle, H. G., Inc., contractor, Altoona, Pa.
Hinkle Iron Co., 534 W. 56th, New York.
Hinkson Bros., machsts., East Brook, Pa.
Hinman, Clarence G., architect, McKnight Bldg., Minneapolis, Minn.
Hinman, D. A., & Co., machsts. & fndrs., Sandwich, Ill.
Hinman Milking Mach. Co., Oneida, N. Y.
Hinner's, E. H., Sons, masons' & bldrs.' matls., Edgewater, N. J.
Hinners Organ Co., Pekin, Ill.
Hinsdale, Reynold H., architect, Erie Bldg., Cleveland, Ohio.
Hinsdale Woolen Mills, Hinsdale, Mass.
Hinsdill Elec. Co., fixtures, Troy, N. Y.
Hinshaw, S. T., & Co., flour, Yadkinville, N. C.
Hinsman Machine & Tool Co., builders of special machinery tools, etc., Westfield, Mass.
Hinson, C., & B. Co., auto. belts, 1511 Chase, Cincinnati, Ohio.
Hinson, C., & Co., turpentine, Williston, Fla.
Hinton, Fdry., Mach. & Plumbing Co., Hinton, W. Va.
Hinton Milling Co., flour, Hinton, W. Va.
Hinton, W. C., contractor, Cordele, Ga.
Hintz Mfg. Co., 1108 S. Kilbourn, Chicago, Ill.
Hinz, Albert, cornices, 403 E. 16th, New York.
Hi-Po Waterproof Battery Corp., 1007 Aalantic av., Brooklyn, N. Y.
Hipolito Screen & Sash Co., Los Angeles, Cal.
Hippey, Edw., mach. & fndr., Portland, Ore.
Hipple Planing Mill Co., sash, door & blind mfrs., Lock Haven, Pa.
Hipple, W. B., machst., San Pedro, Cal.
Hipskind, Alois F., contractor, Wabash, Ind.
Hipskind, Chas., contr., Wabash, Ind.
Hipskind, Geo. C., contr., Wabash, Ind.
Hipskind Heating & Plumbing Co., Wabash, Ind.
Hipskind, John F., contractor, Richmond, Ind.
Hipskind, Philip, & Son, contrs., Huntington, Ind.
Hipwell, Chas. G., cornices & skylights, Davenport, Ia.
Hipwell Mfg. Co., dry batteries, lamp guards, etc., 831 North W. av, Pittsburgh, Pa.
Hiram Co-operative Canning Ass'n., Hiram, Me.
Hire Stave & Tile Co., cooperage stock, Mark Center, Ohio.
Hires Condensed Milk Co., Drexel Bldg., Philadelphia, Pa.
Hires Turner Glass Co., 30th & Walnut, Philadelphia, Pa.
Hirons, F. C., architect, 22 S. Michigan av, Chicago, Ill.
Hirons, J. A., architect, Dover, Del.
Hirsch, Adolph, & Co., crude rubber, 63 Park Row, New York.
Hirsch Bros., agricultural implmts, 267 Reed, Milwaukee, Wis.
Hirsch Bros. & Co., canned goods, Louisville, Ky.
Hirsch Bros. Co., canned goods, Pittsburgh, Pa.
Hirsch Bros.' Mer. & Prov. Co., meat, Cape Girardeau, Mo.
Hirsch, Cal., & Son, Mercantile Co., machinery dealers, 300 S Broadway, St. Louis, Mo.

Hirsch Cotton & Linter, cottonseed linters, Macon, Ga.
Hirsch, D., & Bro., canned goods, Milford, Del.
Hirsch Elec. Mine Lamp Co., 314 N. 12th, Phila., Pa.
Hirsch, G., & Co., scrap iron, etc., 437 Prospect, Cleveland
Hirsch, G., & Co., scrap iron, etc., Cleveland, Ohio.
Hirsch, G., Sons, silk fringes, 890 Broadway, New York.
Hirsch, H. O., contractor, Wainwright Bldg., St. Louis, Mo
Hirsch, I. L., cornices & skylights, Tacoma, Wash.
Hirsch, John, smoking pipes, 524 S. Spring, Los Angeles,
Hirsch, K., cornices, 2016 W. Division, Chicago, Ill.
Hirsch, L. C., & Co., tin plate, metals, etc., 220 W. 1
New York.
Hirsch, Leo. H., & Co., buttons, 300 E. 22d, New York.
Hirsch, Louis, knitting machs., 220 5th av, New York.
Hirsch Lbr. Co., 26 Beaver, New York.
Hirsch, Max, architect, 391 Fulton, Brooklyn, N. Y.
Hirsch Rolling Mill Co., Ecoff & Manchester, St. Louis, Mo.
Hirsch & Spitz Mfg. Co., mattresses, Atlanta, Ga.
Hirsch, Willard, architect, 1900 Euclid av, Cleveland, Ohio
Hirschberger, H., Co., cornices & skylights, Portland, Ore.
Hirschfeld, A., soap, Winona, Minn.
Hirschfelder, Chas. M., architect, 62 State, Rochester, N. Y
Hirschfelder & Meaney, trunks, 519 Market, San Francisco,
Hirschfeldt, Jules, & Co., chemicals, dyes, etc., 154 Nas
New York.
Hirschfield, H., & Son, scrap iron, Bay City, Mich.
Hirschfields, Theo., Sons Co., contractors, 1036 Straight,
cinnati, Ohio.
Hirschl & Bendheim, smoking pipes, Washington, Mo.
Hirschman, J. C., Co., mattresses, 1201 E. Maryland, India
olis, Ind.
**HIRSCHMAN, W. F., INC.,** ventilator mfrs., etc., 9
Main, Buffalo, N. Y. *See adv. index at end of book.*
Hirschorn, Schoenberger & Krieger, arch'l iron, 608 E. 1
New York.
Hirschy Co., washing mach., Minneapolis, Minn.
Hirsh, Leon, & Son, ammonia, potash, etc., 368 Greenw
New York.
Hirsh & Schofield, brewers' & malsters' machy & supplies,
Broad, New York.
Hirshberg Paint Co., paint mfrs., 106 W. Pratt, Baltim
Md.
Hirshfeld, Herman, pearl buttons, New Milford, N. J.
Hirshtein, J. M., architect, 5777 De Giverville, St. Louis.
Hirst & Begley Linseed Co., 2013 Mendel, Chicago, Ill.
Hirt Bros., cornices, 2013 Elm, Cincinnati, Ohio.
Hirth, F. H., stone producers, Grand Rapids, Mich.
Hiscox, Jas. A., architect, Norwich, Conn.
Hisey-Wolf Mach. Co., mach. tools, Cincinnati, Ohio.
Hislop, Jas. W., machsts, Troy, N. Y.
Hiss, Phillip, decorative architect, 452 5th av, New York.
Hiss & Weekes, architects, 452 5th av, New York.
Hist Potato Machinery Co., potato diggers, Alliance, Ohio.
Histand, H. H., architect, Doylestown, Pa.
Hitchcock, A. H., publisher, 508 S. Dearborn, Chicago, Ill.
Hitchcock & Curtiss Knitting Co., Hartford, Conn.
Hitchcock, F. F., cornices & skylights, Woodbury, Conn.
Hitchcock Hardware Co., Watertown, Conn.
Hitchcock, L., canned goods, Eagle Harbor, N. Y.
Hitchcock, L. H., & Son, wholesale hdwe., Nashville, Tenn.
Hitchcock, W. A., architect, Laramie, Wyo.
Hitchens, Chas. P., architect, Keenan Bldg., Pittsburgh, Pa
Hitchings, Ben G., sash, door & blind mfrs., E. 34th nr. Av
Brooklyn, N. Y.
Hitchings & Co., horticultural architect, 1170 Broadway,
York.
Hitchings & Co., mchsts & fndrs., Elizabeth, N. J
Hitchings & Hitchings, architects, 953 Washington, Bo
Mass.
Hitchner & Bassett, masons' & bldrs'. matls., Woodstown,
Hitchner & Hitchner, cedar tree posts, etc., Sand Point, I
Hite, W. W., & Co., mill & facty. supplies, 523 W. Main, L
ville, Ky.
Hiteshew & Co., masons' & bldrs.' matls., Chambersburg, Pa
Hitners, Hy. A., Sons' Co., scrap iron & steel, Gauls & Haz
Philadelphia, Pa.
Hitz, C., Foundry Co., Girard, Kas.
Hitz, Chas., cornices, Providence, R. I.
Hitz, Chas. R., brass fndrs., Phila., Pa.
Hitzeroth, Edw., archl. iron, 3120 Market, Phila., Pa.
Hixon, Thomas, architect, 3 Park, Boston, Mass.
Hjermstad, J. M., machinist, Red Wing, Minn.
Hjorth Lathe & Tool Co., precision bench lathes, spring wi
machs. & reamers, mfg., 27 School, Boston, Mass.
Hjorth, Wm., & Co., pliers & nippers, Jamestown, N. Y.
Hjul, Jas. H., contractors, California & Davis, San Fran
H. K. H. Silk Co., Watertown, Conn.
H. K. Toy & Nov. Co., Indianapolis, Ind.
Hladik, J. C., architect, Monadnock blk., San Francisco, C
H. & L. Mfg. Co., carbon brushes & magneto parts, 300 B
New York.
H. & N. Carburetor Co., 1675 Broadway, New York
Hoadley, J., & Sons' Co., stone producers, Stinesville, Ind.
Hoadley Stone Co., Bloomington, Ind.
Hoag, C. F., Co., knitted gloves, Poughkeepsie, N. Y.
Hoag, D. F., & Co., engrs., Corn Exchange Bldg., Minnea
Minn.

Duster Co., Monticello, Ia.
& Houseman, cash, door & blind, Springport, Mich.
Wm. M., masons' & bldrs.' matls., 120 Liberty, New York.
and, E. L., contractor, Portsmouth, Va.
and, G. A., & Co., masons' & bldrs.' matls., Omaha, Neb.
and, J. M., & Co., contrs., Sharon, Pa.
and-Thayer, Inc., automobiles & stor. battery trucks, 300 Washington, Newark, N. J.
and's, M., Sons' Co., mchsts. & fndrs., Rockaway, N. J.
in, F. L., gasoline funnels, Waupaca, Wis.
in Mfg. Co., fly killers, Waupaca, Wis.
J., & Co., cut glassware, Corning, N. Y.
Brass Fdry. Co., Dayton, Ohio.
& Roach, contractors, South Bend, Ind.
t Bros. Co., stor. battery charging sets, Troy, Ohio.
t-Lee Tie Co., lumber, Springfield, Mo.
t, Lewis P., architect, Crocker Bldg., San Francisco, Cal.
t Mfg. Co., food choppers, etc., Troy, Ohio.
t Mill & Elevator Co., flour, Hobart, Okla.
gh & Weiner, stone, Butler, Pa.
s, Jno. A., architect, Stewart Bldg., Utica, N. Y.
, Clinton E., Co., chain, chain hoists & jack screw, 33 earl, Boston, Mass. *See adv. index at end of book.*
Concrete Mach. Co., 1445 W. Gd. blvd., Detroit, Mich.
Drain Tile Co., Hobbs, Ind.
& Dunn, landscape archs, State Life Bldg., Indianapolis.
Hardware Co., Raton, N. Mex.
Mfg. Co., canned goods, Denton, Md.
Mfg. Co., paper box machy., Worcester, Mass.
Raymond, architect, Pasadena, Cal.
Robt., Wall Paper Co., Hackensack, N. J.
W. H., Supply Co., cornices & mill & facty. supplies, au Claire, Wis.
Wall & Co., lumber, Fife Bldg., San Francisco, Cal.
sack, Wm., machsts., Ivyland, Pa.
, John, Co., paper & pulp mills, Green Bay, Wis.
en Bluestone Co., Hoboken, N. J.
en Paper Mill Co., Hoboken, N. J.
en Sanitary Co., sulphur candles, 249 Clinton av, W. oboken, N. J.
en White Lead & Color Works, Willow av & 14th, Hoboken, N. J.
, Thos. W., gas engines, Lick Bldg., San Francisco, Cal.
& Co., agricultural implements, Easton, Pa.
& Co., stone producers, Saginaw, Mich.
-De Lone Co., Inc., advg. Signs, 15th & Wallace, Phila., a.
-Houghton & Co., steel, 83 Beekman, New York.
& Lawler Co., mill, facty. & plmbrs. supp., Lowell, Mass.
Bros., who. hdwe., Chicora, Pa.
Hames Co., Hazelton, Pa.
Oscar S., contractor, Allentown, Pa.
nauer, Jos., machsts., Pueblo, Colo.
esand, A. M., & Sons, common brick, Jasper, Ind.
Chas., contractor, 180 Jessie, San Francisco, Cal.
lay Co., paint mfrs., 1831 Carroll, Chicago, Ill.
lay, E., & Co., who. hdwe., Kingfisher, Okla.
njos, J. J., Co., plate glass., 829 Broad, Newark, N. J.
smith Wheel & Mine Car Co., Penn. Station, Pa.
Bros., common brick, De Pere, Wis.
, E. W., & Co., contractors, Springfield, Ill.
t, J. A., & Co., broom corn, Wichita, Kans.
g Glass Co., opal & decorative, Lancaster, Ohio.
g Valley Brick Co., Columbus, Ohio.
g Valley Fire Clay Co., Nelsonville, O.
g Valley Mfg. Co., agricultural implements, Lancaster, O
g Valley Products Co., front brick mfrs. & colliery owns, Columbus, Ohio.
g Valley Ry. Shops, mchsts. & fndrs., Columbus, Ohio.
an, Maurice Allen, architect, Watertown, S. D.
ald Chemical Co., liquid soap, disinfectants & insectides, 2211 Bush, San Francisco, Cal.
., oatmeal, feed, etc., Buffalo, N. Y.
, P., & Son, stone producers, Hudson, N. Y.
Hominy Co., Seymour, Ind.
& Miller, harness, saddles & strap wk. mfrs., Louisville, y.
Constr. Co., Braddock, Pa.
k, August O., architect, 117 W. 58th, New York.
& Sullivan, advtg. spec., 142 Fulton, New York.
t & Co., steam fitters' supplies, 122 S. Mich. av, Chicago.
n Bros., motor boat, launch & yacht bldrs., East Boothy, Me.
n, Chas., architect, 134 S. La Salle, Chicago, Ill.
n, Geo., & Son, architects, 333 4th av, Pittsburgh, Pa.
A. L., & Son, masons' & bldrs.' matls., Roxbury Station, nn.
B. J., architect, 4th av, No. Nashville, Tenn.
Boiler Wks., steel plate wks., 99 Summer, E. Boston, ass.
Fence & Lumber Co., Ltd., Lake Charles, La.
& Graves Co., auto & folding seats, Amesbury, Mass.
& Homer Co., machsts.' tools & supplies, 549 W. Madin, Chicago, Ill.
Jeremiah, Co., packing boxes, sashes, doors, etc., Manches-r, N. H.
Mfg. Co., mchsts. & fndrs., Greenville, Pa.

Hodge Ship Co., Moss Point, Miss.
Hodge & Stone, valve wheels, Middleton, Conn.
Hodge, Wm. & Co., glass churns, 11 S. 2d, Phila., Pa.
Hodgeden & McDonald, lumber, Aitkin, Minn.
Hodgenville Roller Mills, flour, Hodgenville, Ky.
Hodges Broom Works, Atlanta, Ga.
Hodges Bros., lumber, Olathe, Kans.
Hodges, C. S., lumber, Cyrene, Ga
Hodges Fibre Carpet Co., 212 5th, New York.
Hodges, Frederick G., mattresses, Reading, Pa.
Hodges, R. R., lbr., York, Ala.
Hodges Stucco Mach. Works, Union Central Tower, Cincinnati, O.
Hodges, W. W., Co., architects, Schofield Bldg., Cleveland, O.
Hodges Water Still Co., Penna. Bldgs., Phila., Pa.
Hodgin Constr. Co., 1237 Selby av, St. Paul, Minn.
Hodgins, Victor, architect, Bangor, Me.
Hodgkins, J. F., Co., machsts. & fndrs., Gardiner, Me.
Hodgkinson, J., & Son, sash, door & blind mfrs., Hyde Park, Mass.
Hodgman Rubber Co., 8 W. 40th, New York.
Hodgson, Chancey, W., architect, Martin bldg, Pittsburgh, Pa.
Hodgson, Ernest F., Co., portable houses, 116 Washington, Boston, Mass.
Hodgson Fndry. Co., 2012 W. 13th, Chicago, Ill.
Hodgson, G. C., & Co., contractors, Reibold Bldg, Dayton, Ohio.
Hodgson, Leslie S., architect, Ogden, Utah.
Hodgson, Oliver, contractor, 275 E. 7th S., Salt Lake City, Utah.
Hodkinson, S. M., htg. contr., 410 W. 125th, New York.
Hodson, F. Garvin, architect, Pasadena, Cal.
Hodson, G. & A., machsts., 226 Arch, Philadelphia, Pa.
Hodson, John M., pearl buttons, twine, tex. mchy., etc., Boone & Markle, Philadelphia, Pa.
Hodson, O. O., cornices & skylights, McMinnville, Ore.
Hoe, J. R., & Sons, machsts. & fndrs., Middlesboro, Ky.
Hoe, R., & Co., printing presses, saws, etc., 504 Grand, New York.
Hoe, Richard J. C., sash door & blind mfr., 78 Lake, Jersey City, N. J.
Hoefel, Frederick, cornices, Pottsville, Pa.
Hoefer Mfg. Co., machsts., Freeport, Ill.
Hoeffer & Co., contractors, 133 W. Washington, Chicago, Ill.
Hoeffken Bros., contrs., Belleville, Ill.
Hoeffler, Conrad, architect, 703 W. 5th, Fort Worth, Tex.
Hoeffler, J., & Co., printing wks., 18 E. 138th, New York.
Hoefner, A., & Sons, soap, 160 Van Rensselaer, Buffalo, N. Y.
Hoeft & Co., drop forgings, dies, tools, etc., 1600 W. Kinzie, Chicago, Ill.
Hoegee, Wm. H., Co., filter cloths & gun holsters, Los Angeles, Cal.
Hoegg, D. W., Co., canned goods, Portland, Me.
Hoehn, Fred, sad iron handles, Cleveland, Ohio.
Hoehn, R., Co., hydrometers, 31 Union sq, New York.
Hoehn, Wm., Co., arch'l iron, 218 W. 20th, New York.
Hoehne, Ferdinand, machst., Kaukauna, Wis.
Hoehne, R. B., & Associates, brick & continuous kilns, St. Louis, Mo.
Hoellerer, Jos., cornices, 91 Union av, Brooklyn, N. Y.
Hoelscher Bros., plumbers' supplies, 1310 W. Division, Chicago, Ill.
Hoen, Rudolph G., architect, Joliet Nat'l Bk. Bldg., Joliet, Ill.
Hoenigsberger, A., automobile robes, 16 S. Market, Chicago, Ill.
Hoepner Automatic Scale Co., 1401 W. Jackson blvd, Chicago, Ill.
Hoeppner-Bartlett Co., contractors, Eau Claire, Wis.
Hoeppner, Richard, contractor, 2602 Kilburn av, Milwaukee, Wis.
Hoerlein, F. G., gas stoves, 200 Nostrand av, Brooklyn, N. Y.
Hoerman, Carle, architect, 8 S. Dearborn, Chicago, Ill.
Hoernel Hardware Co., Racine, Wis.
Hoerner, H. J., & Sons, stone, 30 Lister av, Newark, N. J.
Hoersting & Holtmann, cornices, 1133 W. 3d, Dayton, Ohio.
Hoertz, Chas., & Son, contractors, Grand Rapids, Mich.
Hoeschen Mfg. Co., railway crossing signals, Omaha, Neb.
Hoevel Mfg. Corp., sand blast machs., 166 Ogden av, Jersey City, N. J. *See adv. index at end of book.*
Hoey, Edw. D., contractor, McKeesport, Pa.
Hoey & Gallaher Fndry. & Mach. Co., Kittanning, Pa.
Hoey, John & Co., mattresses, Alameda & Rhode Island, San Francisco, Cal.
Hofeller-Loeser Co., scrap rubber, Depew, N. Y.
Hofeller, Theo., & Co., scrap rubber, brass, copper, etc., Marine Bank Bldg., Buffalo, N. Y.
Hofer, A. E., architect, 2120 E. 58th, Kansas City, Mo.
Hofer, G., & Sons Co., cornices & skylights, Toledo, Ohio.
Hoff & Bro., wholesale hardware, Reading, Pa.
Hoff & Brown, lbr., McCall, Idaho.
Hoff Magnesite Co., Monadnock bldg, San Francisco, Cal.
Hoffecker Bros. & Hall Co., Smyrna, Del.
Hoffecker, J. H., Canning Co., Smyrna, Del.
Hoffeld, R., & Co., mill & facty. supplies, 61 Carroll, Buffalo, N. Y.
Hoffer, Allen R., & Co., scrap iron, Penna. Bldg., Phila., Pa.
Hoffer, W., Furniture Co., music cabinets, Cohoes, N. Y.
Hoffman-Ahlers Co., brewers' & malsters' machy. & supplies, 828 E. Pearl, Cincinnati, Ohio.
Hoffman, B., Mfg. Co., mill, facty. & plumbers' supplies, 257 6th, Milwaukee, Wis.
Hoffman & Baur, cornices, 279 Lake, Milwaukee, Wis.

Hoffman Bronze & Aluminum Castings Co., 1000 Addison rd, Cleveland, Ohio.
Hoffman Bros., contractors, Punxsutawney, Pa.
Hoffman Bros. Co., lumber mfrs., Ft. Wayne, Ind.
Hoffman & Bryan, cornices & skylights, Findlay, Ohio.
Hoffman, C. J., & Sons, contractors, Rochester, N. Y.
Hoffman, Chas., contractor, Jamaica, N. Y.
Hoffman, Chas., Co., cornices & skylights, Mansfield, Ohio.
Hoffman, Chas. V., Co., Inc., fire brick, cements, etc., 95 Liberty, New York.
Hoffman-Corr Mfg. Co., tex. machy. (tapes, braids & cords), 312 Market, Philadelphia, Pa.
Hoffman, De Witt & McDonough Co., Cheltenham, Pa.
Hoffman Engineering & Contracting Co., Penna. Bldg., Phila., Pa.
Hoffman, F. Burrall, Jr., architect, 120 W. 32nd, New York.
Hoffman, F., Co., contractors, Wilkinsburg, Pa.
Hoffman, F. S., & Co., silver nov., 223 E. 23d, New York.
Hoffman Furniture Co., mattresses, 37 Market, Newark, N. J.
Hoffman, Geo. J., & Co., architects, Rochester, Minn.
Hoffman, Geo. J., Co., contractors, South Bend, Ind.
Hoffman, Geo. W., Co., metal polish, 557 E. Washington, Indianapolis, Ind.
Hoffman, H. C., & Co., pckg. box mfrs., Bridgeport, Conn.
Hoffman, H. Curtis, architect, Shiller Bldg., Oak Park, Ill.
Hoffman, H. H., & Co., loose leaf devices, 712 Federal, Chicago, Ill.
Hoffman Hardware Co., 229 S. Los Angeles, Los Angeles, Cal.
Hoffman Hardware Co., Texarkana, Ark.
Hoffman Heater Co., water heaters, Washington, Lorain, Ohio.
Hoffman-Henon Co., architects, 70 W. 45th, New York.
Hoffman, Henry, contractor, Millville, N. J.
Hoffman, J. C., & Bro., cornices, Sharon, Pa.
Hoffman, J. C., Inc., spools, mailing tubes, etc., 2595 3rd av, New York.
Hoffman, J. H. B., cornices, Albany, N. Y.
Hoffman, Jas., contractor, Millville, N. J.
Hoffman, John F., Jr., soap, Sedalia, Mo.
Hoffman & Kropff Chemical Co., sulphur colors, Porter av, Brooklyn, N. Y.
Hoffman-La Roche Chemical Wks., 440 Washington, New York.
Hoffman, M. J., Const. Co., contrs., Evansville, Ind.
Hoffman-Marks Co., see Harris Bros. (successor).
Hoffman-Marquard Mach. Co., machst. tools, 1523 N. B'way, St. Louis, Mo.
Hoffman Motor Truck Co., Minneapolis, Minn.
Hoffman, Muiry, architect, 2 E. 41st, New York.
Hoffman, Oliver D., & Son, stone, Bechtelsville, Pa.
Hoffman, Oscar, architect, Decatur, Ind.
Hoffman, P., & Bro., fertilizer mfrs., Raubsville, Pa.
Hoffman Paint & Varnish Co., Waters av, Boston, Mass.
Hoffman, Paul, horse collars, Dubuque, Iowa.
Hoffman, Peter, cornices & skylights, Madison, Ind.
Hoffman, R. C., & Co., scrap iron, Continental Trust bldg, Baltimore, Md.
Hoffman, R. S., Co., paper & pulp mill, Baldwinsville, N. Y.
Hoffman, S. C., cornices & skylights, Leavenworth, Kan.
Hoffman & Scofield, tin plate, 100 Beekman, New York.
Hoffman Spec. Co., radiator valves, 130 N. Wells, Chicago, Ill.
Hoffman, W. L., & Co., contractors, 133 W. 47th, Chicago, Ill.
Hoffman, Wm., auto. wood bodies, 51 3d, Milwaukee, Wis.
Hoffman, Wm. L., Jr., architect, 44 W. 47th, Chicago, Ill.
Hoffmann & Billings Mfg. Co., mill, factory & plbrs.' supplies, 100 2nd, Milwaukee, Wis.
Hoffmann, W. A., cornices & skylights, Galveston, Tex.
Hoffman's, John, Sons Co., meat packers, 2148 Colerain av, Cincinnati, Ohio.
Hoffman's, P., Son, cornices, Sharon, Pa.
Hoffmeyer Bros., contractors, 308 Dearborn, Buffalo, N. Y.
Hoffner, Adam, contractor, Butler, Pa.
Hoffstetter & Dawson, contractors, Marion, Ohio.
Hofft, M. A., Co., stoker grates, Indianapolis, Ind.
Hofherr, Geo. W., glass stainers, 409 E. Fayette, Baltimore, Md.
Hofius-Ferris Equipment Co., mill & factory supplies, Spokane, Wash.
Hofius Steel & Equipment Co., structural dlrs., Seattle, Wash.
Hofman, A. C., & Sons, meat packers, Syracuse, N. Y.
Hofmann, John, cornices, Dixon, Ill.
Hofstatter, Theo., & Co., interior hardwood wk., 668 5th av., New York.
Hog-Joy Co., oilers, Springfield, Ill.
Hogan & Di Genno, sash, door & blind mfrs., 1616 Webster av, New York.
Hogan, Jas. H., contr., 138 Davenport av., New Haven, Conn.
Hogan Mfg. Co., water closet combination, 74 Grove, Hartford, Conn.
Hogan Milling Co., flour, Junction City, Kan.
Hogan Sheet Metal Wks., cornices, East St. Louis, Ill.
Hogan, Wm. A., architect, Rockaway Park, N. Y.
Hogarth, Jas., machsts. & brass fndrs., Deadwood, S. D.
Hogarty, Edw., machsts. & fndrs., Unionville, Conn.
Hogberg & Ludwig, contractors, 180 Jessie, San Francisco, Cal.
Hogberg Oven Co., 37 W. Van Buren, Chicago, Ill.
Hoge, H. H., cooperage stock, New Knoxville, Ohio.
Hoge Mfg. Co., clutch pencils; thumb tacks, 45 John, New York.
Hogg Constr Co., Inc., 1634 Sansom, Phila., Pa.
Hogg, Geo., Co., contractors, Braddock, Pa.



Hogg-Harris Lbr. Co., Fullerton bldg, St. Louis, Mo.
Hogg-Lynn Co., Inc., mill & factory supplies, Elmira, N. Y.
Hoggson Bros., contractors, 485 5th av, New York, & 1
Church, New Haven, Conn.
Hoggson & Pettis Mfg. Co. (The), small tools, dies, molds, et
mfrs., 161 Brewery, New Haven, Conn.
Hoggson, S. H., & Co., models & experimental wk., 27 Thame
New York.
Hogin, McKinney & Co., mill & fcty. supplies, Marion, Ind.
Hogle, Albert P., Co., htg. contrs., 1522 Flatbush av, B'kly
N. Y.
Hoglund, G. E., Foundry Co., Gardner, Mass.
Hogue, S. D., & Son, machinists, Baton Rouge, La.
Hohenschild, H. H., architect, Odd Fellows bldg, St. Louis, M
Hohensee, Herman's contractor, Oakland & Linwood, Milwa
kee, Wis.
Hohlfeld Mfg. Co., hammock mfrs., 10th & Allegheny, Phila., P
Hohlfelder, F., Co., chaplets (foundry), 1197 W. 67th, Clev
land, Ohio.
Hohlock, J. F., contractor, Youngstown, Ohio.
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Chas. C., architect, Charlotte, N. C.
& Hastings Co., organs, Kendal Green, Mass.
Jacob W. & C. H., & Co., lubrg. oils, 3700 Bank, Balti- re, Md.
Jno. H., contractor, Lancaster, Pa.
Patent Kiln Co., Columbus, Ohio.
Geo. H., canned goods, 203 California, San Francisco, l.
, O. V., & Son, mill & facty. supplies, St. Johnsbury, Vt.
Electrochemical Co., 40 Wall, New York.
, H. M., Co., glass stainers, paint mfrs., 651 W. Wash., icago, Ill.
Hardware Co., Muskogee, Okla.
Limestone Co., crushed stone, Chattanooga, Tenn.
, O. V., & Son, machy., Perkins, St. Johnsbury, Vt.
Richard, architect, Farmers Bank Bldg., Pittsburgh, Pa.
Steam Pump Wks., 318 Granite Bldg., St. Louis, Mo.
, W. T., & Sons Co., masons' & bldrs.' matls., 227 E. th, New York.
s Fastener Co., machsts., Meadville, Pa.
y, C. T., Constr. Co. (The), Bastable, Syracuse, N. Y.
Mach. & Engraving Wks., 29 Prospect, Brooklyn, N. Y.
ool & Supply Co., mill & factory supplies, 101 Lafayette, w York.
I. A., cement contrs., Topeka, Ind.
Packing Co., canned goods, Port Townsend, Wash.
C. A., & Co., wood tanks, Balboa Bldg., San Francisco.
& Co., brewery architects, 118 Market, Newark, N. J.
Dombrink Art Glass Co., Oakland, Cal.
F. P. & J. A., lumber, 110 Market, San Francisco, Cal.
Francis X., Co., box board printing machines, Glen- l, Md.
Henry N., architect, 308 Neave bldg, Cincinnati, Ohio.
Lbr. Co., 17th & Illinois, San Francisco, Cal.
Milling Co., flour, Raht, Tenn.
Parker Morse, architect, 15 W. 38th, New York.
S. F., & Co., contractors, 101 Tremont, Boston, Mass.
Sons' Mfg. Co., tex. machy., (tapes, braids & cords), iper & Cherry, Phila., Pa.
Wm. E., & Sons Co., cotton duck mfrs., 3502 Parkdale Baltimore, Md.
Bros. & Darlington, wagon spokes, wheels, etc., West ster, Pa.
Isaac W., meat packers, Mount Cuba, Del.
J. Willard, architect, Lansdowne, Pa.
Ralston R., masons' & bldrs.' matls., West Chester, Pa.
Rufus C., masons' & bldrs.' matls., Fernwood, Pa.
& Townsend Co., bolts, iron rolling mills, rivets, screws, hers, etc., Broad & Buttonwood, Philadelphia, Pa.
on Canning Co., Hoopeston, Ill.
on Planing Mill Co., cash, door & blind, Hoopeston, Ill.
ek's, John C., Sons, paper & pulp mills, wood, flour, etc., anoch, N. Y.
o., Co., whol. hdwe., 308 S. Hanover, Baltimore, Md.
Marble Co., marble dust, silica, North Adams, Mass.

Hoosac Valley Lime Co., Adams, Mass.
Hoose & Person Construction Co., Iron Mountain, Mich.
Hoosier Auto Parts Co., dry disc clutches, Muncie, Ind.
Hoosier Brick Co., New Albany, Ind.
Hoosier Casting Co., Connersville, Ind.
Hoosier Drilling Machine Co., Goshen, Ind.
Hoosier Fence Co., Frankton, Ind.
Hoosier Mfg. Co., kitchen cabinets, grain separators, New Castle, Ind.
Hoosier Mfg. Co., soap, 523 N. McCarthy, Indianapolis, Ind.
Hoosier Motor Co., machsts., Goshen, Ind.
Hoosier Specialty Co., Veneer, Ladoga, Ind.
Hoosier Storage Battery Co., Evansville, Ind.
Hoosier Stove Co., Marion, Ind.
Hoosier Supply Co., fdry. & platers' supplies, 178 S. Delaware, Indianapolis, Ind.
Hooten, Chas. B., lbr. mfrs., Danville, Ill.
Hooton Lbr. Co., Terre Haute, Ind.
Hooton & Son, contractors, Greenfield, Ind.
Hooven & Allison Co., cordage & twine mfrs., Xenia, Ohio.
**HOOVEN, OWENS, RENTSCHLER CO.**, steam engines, Hamilton, Ohio. *See adv. index at end of book*
Hoover Radiator Co., 410 N. Western av, Chicago, Ill.
Hoover, A. L., & Co., lbr., Winston-Salem, N. C.
Hoover, A. T., & Co., masons' & bldrs.' matls., Nashville, Tenn.
Hoover, Chas., masons' & bldrs.' matls., Ashland, Ohio.
Hoover, F. L., & Sons, contractors, 1023 Cherry, Phila., Pa.
Hoover, G. W., lumber, Williamsport, Pa.
Hoover, H. J., sash, door & blind, Marcellus, Mich.
Hoover, Ira W., architect, 105 S. La Salle, Chicago, Ill.
Hoover, J. B., machsts., 619 N. Fourth, Columbus, Ohio.
Hoover Mfg. Co., agricultural implements, Avery, Ohio.
Hoover & Mason, contractors, coal & ore handling machy., etc., 80 E. Jackson blvd, Chicago, Ill.
Hoover Spring Co., 617 Turk, San Francisco, Cal.
Hoover Steel Ball Co., steel balls, Ann Arbor, Mich.
Hoover Suction Sweeper Co., N. Canton, Ohio.
Hoover, W. H., Co., harness, N. Canton, Ohio.
Hoover, W. H., Jr., architect, 825 Jersey av, Elizabeth, N. J.
Hoover Wagon Co., automobile bodies mfrs., York, Pa.
Hoover, Wallace A., sash, door & blind, Riverside, Pa.
Hope Brick Works, Hope, Ark.
Hope Bros., optical goods, Knoxville, Tenn.
Hope Building Co., 87 Weybosset, Providence, R. I.
Hope Canning Co., Hope, Ind.
Hope Co., cotton sheetings, Hope, R. I.
Hope Engng. & Supply Co., gas engines, 803-06 Farmers Bank Bldg., Pittsburgh, Pa., and Mt. Vernon, Ohio.
Hope Fan & Blower Co., driers, Kansas City, Mo.
Hope Fertilizer Co., Hope, Ark.
Hope Forge & Machine Co., Mount Vernon, Ohio.
Hope Foundry Co., Auburn, R. I.
Hope, Geo. D., Lbr. Co., R. A. Long Bldg., Kansas City, Mo.
Hope Glass Wks., 161 Dorrance, Providence, R. I.
Hope Hardware Co., Hope, Ark.
Hope, Henry, & Sons, window casements, 103 Park av, New York.
Hope, John, & Sons Engraving & Mfg. Co., 1 Masbapaug, Providence, R. I.
Hope Lumber Co., Hope, Ark.
Hope Lbr. Mfg. Co., Hope, Idaho.
Hope Mill Supply Co., 31 Snow, Providence, R. I.
Hope Rubber Co., mill & factory supplies, 97 Westminster, Providence, R. I.
Hope Webbing Co., insulating tape, etc., 1005 Main, Providence, R. I.
Hope, Wm. H., Co., bolts, screws, Lowell, Mass.
Hopedale Mfg. Co. (Roper Dept.), oil pump mfrs., Milford, Mass.
Hopeman, A. W., & Sons Co., contractors, Rochester, N. Y.
Hopeman Bros. Lbr. & Mfg. Co., Rochester, N. Y.
Hopes Combustion Engng. Co., gray iron & semi-steel castings, Glens Falls, N. Y.
Hopewell Bros., inner tube bags, Watertown, Mass.
Hopewell Lumber Co., Hopewell Junction, N. Y.
Hopewell Valley Canning Co., Hopewell, N. J.
Hopkins, Albert Hart, architect, 447 Main, Buffalo, N. Y.
Hopkins, Alfred, architect, 101 Park av, New York.
Hopkins & Allen Arms Co., Br. of Marlin Rockwell Corp., machsts. & fndrs., Norwich, Conn.
Hopkins Bros., contractors, Youngstown, Ohio.
Hopkins & Co., bk. & office railings, 199 Franklin, New York.
Hopkins Fertilizer Co., New Albany, Ind.
Hopkins, Frank, tubular boilers, Seattle, Wash.
Hopkins, Frank, & Co., clothes bars, North Girard, Pa.
Hopkins, Harold V., mill & facty. supplies, South Attleboro, Mass.
Hopkins, J. L., & Co., powdered licorice, 100 William, New York.
Hopkins, Johns, Oil Co., lubrg., Stewart Bldg., Baltimore, Md.
Hopkins, Jonathan L., canned goods, Vernon, Del.
Hopkins, L., Mfg. Co., clothes bars, North Girard, Pa.
Hopkins Lbr. Co., Lorane, Ore.
Hopkins & McEntee, architects, 37 E. 28th, New York.
Hopkins, P. B., contractor, Atlanta, Ga.
Hopkins, Patrick F., Est. of, carriages, Waco, Tex.
Hopkins, R. C., shoe counters, Lynn, Mass.
Hopkins, S. H., masons' & bldrs.' matls., Newton, N. J.
Hopkins, W. F., ice tongs, Groton, N. Y.
**Hopkinson, Chas. W., architect, Rose Bldg., Cleveland, Ohio.**

Hopkinson Leather Co., Woburn, Mass.
Hopkinson Mach. Wks., Springfield, Mass.
Hopkinsville Lime Wks., Hopkinsville, Ky.
Hopkinsville Milling Co., flour, Hopkinsville, Ky.
Hopler Bros., machsts. & fndrs., Naughright, N. J.
Hopmann Cornice Co., 2573 Benton, St. Louis, Mo.
Hopp Carriage Co., Mi inburg, Pa.
Hopp, J. W., Construction Co., Cedar Rapids, Ia.
Hoppe, Chas., Co., brass castings, 121 Opera pl, Cincinnati, O.
Hoppe, J. P., architect, Mitchell, S. D.
Hoppe, Paul F., Co., clocks, gauges, 123 Liberty, New York.
Hoppen, J. E., & Sons, mfg. machinists, 78 Main, Belleville, N. J. *See adv. index at end of book.*
Hoppenberg Machine Co., Findlay, Ohio.
Hopper, C. T., Furniture Co., mattresses, Sioux City, Iowa.
Hopper, Daniel A., architect, Irvington, N. J.
Hopper, Falkenau Eng. Co., architects, Woolworth Bldg., New York.
Hopper, Havey & Co., granite, North Sullivan, Me.
Hopper, James C., architect, Leaksville, N. C.
Hopper, Jno. J., Inc., contractor, 217 W. 125th, New York.
Hopper Paper Co., pads, Johnsonburg, Pa.
Hopper, Thos. T., Co., contractors, 280 Madison av, New York.
Hopper, Wm. E., hand fids., Paterson, N. J.
Hoppes Mfg. Co., heaters & purifiers, Springfield, Ohio.
Hoppin & Field, architects, 32 Westminster, Providence, R. I.
Hoppin & Koen, architects, 244 5th av, New York.
Hoppinger Co., loose leaf devices, 118 St. Clair av, N. E., Cleveland, Ohio.
Hopson & Chapin Mfg. Co., htg. contrs.; castings, etc., New London, Conn.
Hopson, Chas. H., architect, Healey Bldg., Atlanta, Ga.
Hopson, W. C., Co., cornices & skylights, shingles, etc., Grand Rapids, Mich.
Hoquiam Lumber & Shingle Co., Hoquiam, Wash.
Hoquiam Packing Co., Hoquiam, Wash.
Hoquiam Sash & Door Co., Hoquiam, Wash.
Hoquiam Steam Boiler Wks., tubular, Hoquiam, Wash.
Horan, Jas. J., & Co., mill & facty. supplies, Troy, N. Y.
Horan Stay Hanger Co., cups, circles, hangers, washers, etc., 1932 W. Jefferson, Louisville, Ky.
Horatt, Joseph, piston rings, Lafayette, Ind.
Hord Bros., contrs., 1015 Eastlake av, Seattle, Wash.
Hord Color Products Co., alpha, naphthol, Sandusky, O.
Hord, T. B., Alfafa Meal Co., Central City, Neb.
Horenburger, Herrman, & Son, architects, 656 E. 163d, New York.
Horicon Wind Mill Co., Horicon, Wis.
Horigan Supply Co., mill & facty. & plumbers' supplies, St. Joseph, Mo.
Horine, John T., & Sons, masons' & bldrs.' matls., Delphos, Ohio.
Horizontal Freezer Co., 18 W. Kinzie, Chicago, Ill.
Horizontal Hydraulic Hoist Co., 605 Gratiot bldg, Detroit, Mich.
Horlick's Malted Milk Co., cereal foods, Racine, Wis.
Hormeister, Leo, Co., lubrg. oils & greases, Frest Hill & Hofmeister av, Wilwaukee, Wis.
Hormel, Geo. A., & Co., meat packers, Austin, Minn.
Horn, A. C., Co., paints, waterproof materials, etc., Horn bldg, Long Island City N. Y.
Horn & Brannen Mfg. Co., fndrs., 427 N. Broad, Phila., Pa.
Horn Bros. Mfg. Co., bedstead mfrs., 1144 W. Superior, Chicago, Ill.
Horn, Carl A., 1035 Myrtle av, Baltimore, Md.
Horn, Carl J., architect & contractor, Logansport, Ind.
Horn, Edward C., Sons, architects & contractors, 1476 B'way, New York.
Horn Elec. Co., 110 S. Desplaines, Chicago, Ill.
Horn, Geo. J., architect & contractor, Findlay, Ohio.
Horn-Holland Co., varnish mfrs., Hancock, Long Island City, N. Y.
Horn, J. G., architect, Hot Springs, Ark.
Horn-Lowden Co., cornices, New Haven, Conn.
Horn, M. T., Co., fountain pen mfrs., 114 Park pl, New York.
Horn, Philip, machsts. & fndrs., Shelton, Wash.
Horn Products Co., horn combs, Leominster, Mass.
Horn & Sandstrom, bldg. contrs., Portland, Ore.
Horn, T. L., Trunk Co., 1101 Washington, St. Louis, Mo.
Horn, W. C., Bro. & Co., post card albums, 541 Pearl, New York.
Horn, W. J., Posting Sign System, Springfield, Ill.
Horn, Wm. H., & Bro., tannery machy., 451 N. 3d, Phila., Pa.
Horn, Wm., Structural Iron Wks., 336 N. Leavitt, Chicago, Ill.
Hornbeak Milling Co., flour, Hornbeak, Tenn.
Hornbeck, F. S., architect, Livingston, Mont.
Hornbeck, J. K., & Son, excelsior mfrs., Hancock, N. Y.
Hornberger, J. A., & Son, masons' & bldrs.' matls., Vermilion, Ill.
Hornblower & Marshall, architects, Wilkins bldg, Washington, D. C.
Hornbrook-Price Co., poultry coops, 1970 Madison av, Indianapolis, Ind.
Horne, Geo. W., Co., cornices, Lawrence, Mass.
Horne & Hall, contractors, Concord, N. H.
Horne, J. H., & Sons Co., machsts. & fndrs., Lawrence, Mass.
Horne, J. K., & Son, masons' & bldrs.' matls., Struthers, Ohio.
Horne-Johnson Co., flour, Mocksville, N. C.
Horne, L. D., contr., Portland, Ore.
Horne Mfg. Co., elec. & mechanical equipts. for ships, 4 College pl, Brooklyn, N. Y.

Horner, W. S., & Co., steel bars, sheets, plates, etc., Oliver Bld Pittsburgh, Pa.
Horner, Wm., lumber, Reed City, Mich.
Horner, Wm. J., burlap, 62 Beaver, New York.
Hornet Mantel Co., 1112 Market, St. Louis, Mo.
Horning Electric Mfg. Co., machsts., Cleveland, Ohio.
Hornthal & Co., coffins, etc., 1339 S. Wabash av, Chicago, Ill.
Hornum, Louis A., architect, 405 Lexington av, New York.
Hornung, J. C., steam traps, 343 S. Dearborn, Chicago, Ill.
Hornung, Jacob, cooperage stock, New Batavia, Ohio.
Horowitz, Max R., architect, 25 W. 32d, New York.
Horridge & Hinman, machsts., 628 Race, Philadelphia, Pa.
Horrocks Desk Co., Herkimer, N. Y.
Horrocks-Ibbotson Co., fishing tackle, Utica, N. Y.
Horrocks Iron Wks., 234 N. Broad, Philadelphia, Pa.
Horrocks, Pierce, architect, Mehlhorn bldg, Seattle, Wash.
Horrum, W. H., brick, Auburn, Neb.
Horsburgh Forge Co., 17310 St. Clair, Cleveland, Ohio.
Horsburgh & Scott Co., gears & pinions, 5114 Hamilton av, E., Cleveland, Ohio.
Horsch, Philip, contractor, Irvington, N. J.
Horse Shoe Lbr. Co., River Falls, Ala.
Horse Whip Co., whip mfrs., Westfield, Mass.
Horseless Age, trade publication, 95 Madison av, New York.
Horseshoers' Journal, trade publication, 142 Lafayette, Detr Mich.
Horsey, Roe, & Co., fertilizer mfrs., Greensboro, Md.
Horsford Bros. Co., mill & facty supplies, 235 Mission, S Francisco, Cal.
Horsman, E. I., Co., toys, games, etc., 11 Union sq, New York
Horst, Henry W., Co., contractors, Horst Bldg., Rock Island
Horstmann, F. W., Co., feed water heaters & machy., Irving N. J.
Horstmann, John, Co., silicate of soda & soda ash, 685 Bry San Francisco, Cal.
Horstman, Wm. H., Co., leg & foot protectors, military s plies, etc.; 5th & Cherry, Philadelphia, Pa.
Horstmeier Lbr. Co., Stiles & E. Falls av, Baltimore, Md.
Hortman Co., contractors, 3110 S. Carr, New Orleans, La.
Horton, D. E., Construction Co., Prudential Bldg., Buffalo, N
Horton, E., & Son Co., chucks, mfrs., Windsor Locks, Conn.
Horton, F. L., cork, asbestos brake lining, 36 Whittier, bury, Boston, Mass.
Horton, F. T., bird gravel, chloride of lime, Hoboken, N. J.
Horton, Fred L., contractor, Conneaut, Ohio.
Horton, H. R., Co., masons' & bldrs.' matls., 459 S. Water, P idence, R. I.
Horton, Harvey S., architect, Prudential bldg, Buffalo, N.
Horton & Horton, contractors, Houston, Tex.
Horton & Hubbard Mfg. Co., traveling bags, Somerville, Mas
Horton, John F., cableways, derricks, hoisting machy., wrenc etc., 157th & 8th av, New York.
Horton Lime Co., Monadnock Bldg., San Francisco, Cal.
Horton Lumber Co., Altmar, N. Y.
Horton, M. V. B., lumber mfrs., Warwick, N. Y.
Horton Machine Wks., Elmira, N. Y.
Horton Mfg. Co., fishing rods & tackle, Bristol, Conn.
Horton Mfg. Co., ironing machs., Ft. Wayne, Ind.
Horton Mfg. Co., truck bodies & variable speed pulleys, Univ. av, S. E., Minneapolis, Minn.
Horton & Moseley, contractors, 140 S. Dearborn, Chicago, I
Horton Stone Co., Springfield, Mo.
Horvath, Geo., brass fndrs., 8209 Holton, Cleveland, Ohio.
Horvath, M. H., landscape architect, 649 Leader, Clevelan
Horvay, Chas. Z., architect, 1808 Marmion av, New York.
Horwich, Vitkin, Co., curled hair, 2301 S. Paulina, Chicago,
Horwitz, Bernhard, architect, 500 5th av, New York.
Hosford, R., contractor, Lebanon, Ind.
Hosie, Horace W., mill & facty. supplies, Franklin, Mass.
Hosket, Chas. F., contractor, 662 E. Richard, Dayton, Ohio.
Hoskins & Hundley, flour mills, Essex Mill, Va.
Hoskins, J. S., Lumber Mfg. Co., Baltimore, Md.
Hoskins, John M., architect, 2837 W. Madison, Chicago, Ill
Hoskins, L. G., machsts. & fndrs., Tacoma, Wash.
Hoskins Mfg. Co., elec. cooking apparatus, 453 Lawton, Det Mich.
Hosley, M. B., & Son, lumber mfrs., Wells, N. Y.
Hosmer, C. C., architect, 53 W. Jackson, Chicago, Ill.
Hosmer, G. A., Co., lubricating oils & greases, 601 Northland Buffalo, N. Y.
Hosmer, W. A., lbr., Bellaire, Mich.
Hospital Rubber Co., medicinal atomizers, Attleboro, Mas
Hospital Supply Co., 153 E. 23rd, New York.
Hossack Bros., contractors, 62 Schermerhorn, Brooklyn, N.
Hossafous, H. C., lumber mfrs., Dayton, Ohio.
Hossman, Henry, steel structural work, Portsmouth, Ohio.
Hosteter, O. H., Hanover, Pa.
Hostetter Connellsville Coke Co., 434 5th, Pittsburgh, Pa.
Hot Blast Feather Co., mattresses, Grand Rapids, Mich.
Hot Springs Plumbing & Machine Co., Hot Springs, Ark.
Hot Springs Sanitary Fertilizer Co., Hot Springs, Ark.
Hotchkin, R. B., architect, Rowell Bldg., Fresno, Cal.
Hotchkiss, Blue & Co., machsts., 80 E. Jackson blvd, Chicag
Hotchkiss Bros. Co., masons' & bldrs.' matls., sash, door & mfrs., etc., Torrington, Conn.
Hotchkiss, E. H., Co., machy., Norwalk, Conn.
Hotchkiss, Edw. S., hdwe. mfrs., Bridgeport, Conn.

chkiss Metal Form Co., Binghamton, N. Y.
chkiss, Robert J., architect, 233 S. Jefferson av, Peoria, Ill.
chkiss, Sam., contractor, St. Joseph, Mo.
chkiss & Son, mattresses, Lawrenceville, Pa.
chkiss, T. D., Co., nippers, Deep River, Conn.
chkiss Co., mill & facty. supplies & whol. hdwe., Waterbury, Conn.
chkiss, Vail & Garrison Co., plumbers' supplies—jobbers, 103 E. 41st, New York.
chkiss, William L., mason, Derby, Conn.
opp Varnish Co., Hoboken, N. J.
stream Heater Co., 1385 E. 17th, Cleveland, Ohio.
tel, Benj. K., wood handles, Passer, Pa.
z Lbr. Co., masons' & bldrs.' matls., Edwardsville, Ill.
chin-Aiken Co., machy. dlrs., etc., 113 53rd, Brooklyn, N. Y.
el Equipt. Co., kitchen utensils, Atlanta, Ga.
chin, Thos. W., Co., vegetable slicers, corers, graters, etc., 36 E. 12th, New York.
ck, W. O., heating contrs., Bangor, Pa.
de Construction Co., Kankakee, Ill.
deshell & Stover, contractors, Bradford, Ohio.
dlette, Fred A., & Son, steam fitters' supplies, 93 Broad, Boston, Mass.
ff, A. Dale, & Co., contractors, Terre Haute, Ind.
gh Cash Recorder Co., Indian Orchard, Mass.
gh, Chas. N., Mfg. Co., oil well supps., Franklin, Pa.
gh, Ed. S., consulting engnr., Bureau Veritas Engnr. Surveyor, 16 California, San Francisco, Cal.
gh, H. H., soap, Burlington, Vt.
gh, Sam'l L., contractor, 344 Roebling, Brooklyn, N. Y.
gh Shade Corporation, Janesville, Wis.
gh, W. S., Jr., Co., brass & copper rods, sheet & seamless tubing wire, gold & silver alloys, etc., 61 Peck, Providence, R. I.
ghland Bros. Canning Co., Underwood, Ind.
ghland, O. A., architect, Chariton, Ia.
ghtaling & Dougen, architect, Henry Bldg., Portland, Ore.
ghton-Anderson, contrs., Hollingsworth Bldg., Los Angeles, Cal.
hton, Chas. T., & Co., canvas gloves, Metropolis, Ill. (tr.)
hton Constr. Co., 544 Market, San Francisco, Cal.
hton, E. F., & Co., mill & facty. supplies, 240 W. Somerset, Philadelphia, Pa.
hton, E. W., Lbr. Co., masons' & bldrs.' matls., Galva, Ill.
hton, E. W., Lumber Exchange, architect, Seattle, Wash.
hton, F. O., heating contr., Worcester, Mass.
hton, G. T. A., architect, Lumber Exchange, Seattle, Wash.
hton, L. T., steel threads, boards, Worcester, Mass.
hton Lbr. Co., Houghton, Mich.
hton Mfg. Co., sheet metal stamping, Worcester, Mass.
hton-Merkel Co., delivery wagons, Marion, Ohio.
hton & Richards, iron & sheet, 145 Oliver, Boston, Mass.
hton, Shirley, contr., Phelan bldg, San Francisco, Cal.
hton Sulky Co., carriages, Marion, Ohio.
lhan, Michael J., contr., Grosvenor Bldg., Providence, R. I.
on Fndry. & Mach. Co., Houlton, Me.
on Lumber Co., Houltonville, La.
on, Sam'l P., stone prodcrs, Lagonda Creek, Springfield, O.
on Woolen Mill, blankets, sweaters, etc., Houlton, Me.
a Brick Mfg. Co., Houma, La.
a Cypress Co., Ltd., lbr. mfrs., Houma, La.
ert Mach. Co., piston rings, 351 W. 52d, New York.
t, Irvin B., contractor, Norristown, Pa.
atonic Machine & Tool Co., rubber straining & tubing machy., Bridgeport, Conn.
atonic Rubber Wks., Bridgeport, Conn.
tonic Ship Bldg. Co., Stratford, Conn.
, Chas. W., & Sons, felt mills, Unionville, Conn.
Cold Tire Setter Co., 4143 Laclede av, St. Louis, Mo.
Furnishing Review, trade publication, 253 B'way, New ork.
-Hasson Hardware Co., Knoxville, Tenn.
, John H., Jr., architect, 503 5th av, New York.
hold Appliance Co., clothesline fasteners & holders and noke consumers, Neenah, Wis.
hold Equipment Co., fireless cookers, 171 27th av, S. E., linneapolis, Minn.
hold Granite Tub Co., ldry. tub covers, New Haven, Conn
hold Mfg. Co., carpet, vacuum sweepers, 1221 Filbert, hiladelphia, Pa.
hold Mfg. Co., household specialties, Royersford, Pa.
keeper, Benj., masons' & bldrs.' matls., 1526 N. American, hiladelphia, Pa.
r Elev. Co., Syracuse, N. Y.
r, O. E., machinist, Chillicothe, Ohio.
r & Son, flour mills, Pataha City, Wash.
r, W. L., Canning Co., Fort Valley, Ga.
r, Wm. H., architect, Pottsville, Pa.
ian, C. G., canned goods, Troutville, Va.
ian, C. H., jwlry cases, 78 Bedford, Boston, Mass.
on, A. C., & Son, contractors, Richmond, Va.
on Armature Wks., Houston, Tex.
on Bros., lumber, Vicksburg, Miss.
on Bros. Co., masons' & bldrs.' matls., 32d & P. R. R., ttsburgh, Pa
on, C. B., & Co., steel struct. dlrs., Franklin Bank Bldg., iladelphia, Pa.

Houston, C. S., contractor, Astoria, Ore.
Houston Car Wheel & Mach. Co., Houston, Tex., and Hobart Bldg., San Francisco, Cal.
Houston Coal & Coke Co., Elkhorn, W. Va.
Houston Co-operative Mfg. Co., sashes, doors & blinds, Houston, Tex.
Houston Cotton & Fertilizer Co., Dothan, Ala.
Houston County Oil Mill & Mfg. Co., Crockett, Tex.
Houston, E. C., Lumber Co., masons' & bldrs.' matls., Tekamah, Neb.
Houston, Geo. T., & Co., lbr., 80 E. Jackson, Chicago, Ill.
Houston Guano Co., fertilizer mfrs., Dothan, Ala.
Houston Iron Wks., Houston, Tex.
Houston, J. E., butter tubs, Stowe, Vt.
Houston Mfg. Co., machsts., Rockford, Ill.
Houston Mill Supply Co., Houston, Tex.
Houston Packing Co., Houston, Tex.
Houston Planing Mill, interior hardwood wk., Houston, Tex.
Houston Show Case & Mfg. Co., Houston, Tex.
Houston, Stanwood & Gamble Co., boilers, engines & lathes, 3rd & Phila., Cincinnati, O.
Houston Structural Steel Co., Houston, Tex.
Houx, Frank T., & Son, contractor, Sioux City, Ia.
Hovasse, A., willow ware mfr., 100 Clinton, Chelsea, Mass.
Hove, Clinton, architect, Glens Falls, N. Y.
Hovey, Geo. Walter, architect, Marietta, Ohio.
Hovorka, John D., elec. & gas light fixtures, 3509 W. 12th, Chicago, Ill.
Howard, A. Co., automobiles, Galion, Ohio.
Howard, A. L., contractor, 19 S. La Salle, Chicago, Ill.
Howard, Albert, contractor, Lexington, Ky.
Howard, Alonzo, cornices & skylights, Shelbyville, Ind.
Howard Brick Co., Claremore, Okla.
Howard Brick Co., Howard, Pa.
Howard Broom Co., 4437 N. Lincoln, Chicago, Ill.
Howard Bros., contractors, 412 Dorchester av, Boston, Mass.
Howard Bros. Boiler Wks., 23 Indiana, Buffalo, N. Y.
Howard Bros. Mfg. Co., textile machy., Worcester, Mass.
Howard, C. B., Co., lumber, Emporium, Pa.
Howard, C. T., poultry, feed, Mulino, Ore.
Howard, C. W., contractor, 3318 E. 10th, Indianapolis, Ind.
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Hower, Henry, architect, Bloomsburg, Pa.
Hower, J. K., slate, Danielsville, Pa.
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Howes, Forest E., machy. bldg. pattern & mach. jobbing, 263 Northampton, Boston, Mass.
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Huebner Screen Door Co., 565 Farnsworth, Detroit, Mich.
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Huetter Mach. & Tool Co., Indianapolis, Ind.
Huettman & Cramer Co., mfrs. of refrigerating machinery, 26 Griswold, Detroit, Mich.
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Huey & Philip Hardware Co., Dallas, Tex.
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Huff & Cook, flour mills, Roanoke, Va.
Huff Electrostatic Separator Co., 60 India, Boston, Mass.
Huff & Findley, ties, poles & posts, Buckhorn, Ky.
Huff, James A., cornices & skylights, Northville, Mich.
Huff, John P., umbrella mfrs., Troy, N. Y.
Huff, K. E., contractor, Canton, Ohio.
Huff, S. E., & Co., masons' & bldrs.' matls., Urbana, Ill.
Huff, Walter S., & Co., architects, Fort Scott, Kan.
Huffington, F. A., & Sons, Normal, Ill.
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Hufschmidt, L. A., Mfg. Co., elec. & gas light fixtures, 773 Mission, San Francisco, Cal.
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Hug, R., & Son, sashes, doors & blinds, Navarra, Ohio.
Hugaboom, S. G., architect, Malone, N. Y.
Hugel, Fred, & Son, brooms, Lawrence, Mass.
Hugger Bros., contractors, Montgomery, Ala.
Huggins, Jas., & Son, coal tar products, Malden, Mass.
Hughart & Kendal, lbr. mfrs., Grand Rapids, Mich.
Hughart, W. O., Jr., lbr. mfr., Grand Rapids, Mich.
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Hughes-Bozarth-Anderson Co., harness, saddles, etc., Oklahoma, Okla.
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Hughes Bros., miners' lamps, Scranton, Pa.
Hughes Bros. Co., masons' & bldrs.' matls., Bloomington, Ind.
Hughes Buggy Co., carriages, Lynchburg, Va.
Hughes, C. H., naval architect, 82 Beaver, New York.
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Hughes & Co., plumbers' supplies—jobbers, Spokane, Wash.
Hughes, D. C., architect, Buckhannon, W. Va.
Hughes, D. E., architect, Espy, Pa.
Hughes, E. F., cornices, furnaces, Titusville, Pa.
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Hughes, James T., cornices & skylights, Fall River, Mass.
Hughes, Job, contr., Lewiston, Ill.
Hughes, Jno., machst. & fndr., Mount Morris, Mich.
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Hughes, Jno., Hardware Co., Fond Du Las, Wis.
Hughes, Jno. R., & Co., trunk mfrs., 40 N. High, Columbus, O.
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Hughes & Johnson, granite, Quincy, Mass.
Hughes-Keenan Co., structural steel, etc., Mansfield, Ohio.
Hughes Mfg. Co., dress hooks & eyes, etc., Rome, N. Y.
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Hughes & O'Rourke Constr. Co., Dallas, Tex.
Hughes & Patterson, fndrs., iron rolling mills, etc., 800 Richmond, Philadelphia, Pa.
Hughes, R. H., contractor, Long Branch, N. J.
Hughes, Richard, contractor, Wilkes-Barre, Pa.
Hughes & Russum, textile machy., supplies, etc., Oxford & Hedge, Philadelphia, Pa.
Hughes & Smythe, agricultural implements, Galena, Ohio.
Hughes & Son Piano Mfg. Co., Foxcroft, Me.
Hughes Supply Co., mill, facty. & plumbers' supplies, Mansfield, Ohio.
Hughes, Thos. R., architect, 141 Milk, Boston, Mass.
Hughes, Thos., & Son, contrs., 58 New York av, W., Washington, D. C.
Hughes Tool Co., rotary drill bits, Houston, Tex.
Hughes Universal Arc Lamp Co., 628 Race, Philadelphia, Pa.
Hughes, W. J., & Sons Co., plate glass, lbr. mfrs., etc., Louisville, Ky.
Hughes, Wm., Co., machinists, Bough, Providence, R. I.
Hughey, Wm. J., & Son, auto. wood bodies, 2518 Michigan av, Chicago, Ill.
Hughson & Co., lbr. mfrs., Albany, N. Y.
Hughson Steam Spec. Co., W. 21st & S. Racine av, Chicago, Ill.
Hugo Mfg. Co., gas regulators & burners, screw drivers, etc., Duluth, Minn.
Hugo Milling Co., flour, Hugo, Okla.
Hugro Mfg. Co., clothes line reels, vacuum cleaners, etc., 327 S. La Salle, Chicago, Ill.
Huil-Hodge Lbr. Co., Ltd., Hodge, La.
Huke, Wm., Rattan & Willowware Mfg. Co., 1007A 7th, St. Louis, Mo.
Hukill, Hunter Co., mill & factory supplies, 35 Terminal Way, Pittsburgh, Pa.
Hulbert Bros., trunks, Salt Lake City, Utah.
Hulbert Electro-Steam Mfg. Co., elec. radiators & melting pots, 205 Tehama, San Francisco, Cal.
Hulburt, C., & Co., lubrg. oils, 240 Arch, Philadelphia, Pa.
Hulburt, Geo. D., architect, Broadway Market Bldg., Detroit, Mich.
Hulen, Taylor A., Carriage & Wagon Wks., Denver, Colo.
Hulett, Ralph M., architect, Erie Bldg., Cleveland, Ohio.
Huling, Lundy, & Sons, sashes, doors & blinds, Myrtle Point, Ore.
Huling, Tom B., mach. & fndr., Lampasas, Tex.
Hull, A. E., Pottery Co., Crooksville, Ohio.
Hull Bros. Umbrella Co., Toledo, Ohio.
Hull, C. W., Co., masons' & bldrs.' matls., Omaha, Neb.
Hull & Dillon Packing Co., meat, Pittsburgh, Kan.
Hull, Ernest H., architect, 10 E. 47th, New York.
Hull, F. A., & Son, whol. hdwe. & mill, facty., plumbers' & steamfitters' supplies, Danbury, Conn.
Hull, Grippen & Co., mill & factory supplies, 310 3rd av, New York.
Hull, Jno. L., common brick, Cambridge, Ill.
Hull-Longnecker Co., lumber, Traverse City, Mich.
Hull Mfg. Co., boiler water feeders, 208 Dime Bank Bldg., Scranton, Pa.
Hull Vehicle Mfg. Co., Savannah, Ga.
Hull, W. S., architect, Jackson, Miss.
Hulla, John, architect, 140 S. Dearborn, Chicago, Ill.
Hulley Fdry. & Mach. Wks., 802 S. Adams, Marion, Ind.
Hulman, Israel J., mattresses, Binghampton, N. Y.
Hulme, Norman, architect, 1524 Chestnut, Philadelphia, Pa.
Hulse Bros. & Daniel Co., umbrella mfrs., 16 W. 22d, New York.
Hulse Mfg. Co., steel type, 165 William, N. Y.
Hulse, W. E., & Co., architects, Hutchinson, Kan.
Hulsebus, Bernhard L., architect, Jefferson Bldg., Peoria, Ill.
Hulsander, John D., architect, Park Bldg., Worcester, Mass.
Hulson Grate Co., grate bar mfrs., Keokuk, Ia.
Hulst & Van Heulen Fuel Co., masons' & bldrs.' matls., Grand Rapids, Mich.
Hult Lbr. Co., Mulino, Ore.
Hultgreen, C. O., architect, Jamestown, N. Y.
Hultgren, W. P., architect, 1314 Marquette av, Minneapolis, Minn.
Hultquist Bros., machsts. & fndrs., Holdridge, Neb.
Hults, Ellsworth H., Inc., paper & pulp mills, 218 Walnut, Phila., Pa.
Hum & Leatherman, lightning rods, 103 Market, Pitts'bg., Pa.
Human Co., A., platen press feeder, 56 Summer av, Newark, N. J.



Humane Restraint Co., furniture, Madison, Wis.
**HUMASON MFG. CO.,** screw machine prods. & coil springs, Forestville Station, Bristol, Conn.
*See adv index at end of book*
Humber, R. L., Mach. Wks., Greenville, N. C.
Humbert & Andrews, canned goods, 646 Dean, Brooklyn, N. Y.
Humbert, C. S., canned goods, Troutville, Va.
Humbert, J. S., machy. dlr., 114 Liberty, New York.
Humbert, Wm. S., masons' & bldrs.' matls., Niagara Falls, N. Y.
Humbird Lbr. Co., Sand Point, Idaho.
Humbird Supply Co., mill & facty. supplies, Cumberland, Md.
Humble, Albert, architect, 223 W. 33rd, New York.
Humble, W. H., stoves, Holly Grove, La.
Humboldt Brick Mfg. Co., Humboldt, Kan.
Humboldt Cooperage Co., Arcata, Cal.
Humboldt Cotton Mills, cordage mfrs., Humboldt, Tenn.
Humboldt, Gravel & Tile Co., Humboldt, Iowa.
Humboldt Mach. & Stamping Co., Vernon av & 10th, L. I. City, N. Y.
Humboldt Mfg. Co., scientific instruments, 2014 Nebraska av, Chicago, Ill.
Humboldt Milling Co., sashes, doors & blinds, Fortuna, Cal.
Hume, G. W., Co., canned goods, 112 Market, San Francisco, Cal.
Hume Mfg. Co., laundry marking machines, Kansas City, Kan.
Hume Mfg. Co., traction engines, Hume, Ill.
Hume Mill Co., flour, Bowling Green, Mo.
Hume, Raphael, architect, 477 5th av, New York.
Humes, Albert H., architect, Pawtucket, R. I.
Humes Construction Co., 76 Dorrance, Providence, R. I.
Humes Mfg. Co., mill & facty. supplies, East Providence, R. I.
Humidity Engng. Co., humidifiers, 208 S. La Salle, Chicago, Ill.
Humiston, Edgar, contractor, Sandwich, Ill.
Hummel, A. E., architect, Sheridan, Wyo.
Hummel, David, Bldg. Co., 2629 Spring Grove av, Cincinnati, O.
Hummel & Downing Co., paper & pulp mills, N. Cambridge av, Milwaukee, Wis. & 343 S. Dearborn, Chicago, Ill.
Hummel, Geo. J., Saddletree Co., Madison, Ind.
Hummel & Hillebrand, contractors, Toledo, Ohio.
Hummel, J. F., & Sons, stone producers, Huntsville, Ala.
Hummel & Robinson, lanolin, oxalate titanium potassium, 26 Cortlandt, New York.
Hummel, W. F., Knitting Wks., sweaters, etc., 936 3rd, Milwaukee, Wis.
Hummell, Wm. W., contractor, Toledo, Ohio.
Hummelstown Brownstone Co., brick, Waltonville, Pa.
Hummerch, Benj., brick, Freelandville, Ind.
Hump Hair Pin Mfg. Co., 1918 Prairie av, Chicago, Ill.
Humphreville, W. E., contractor & masons' & bldrs.' matls., Houston, Tex.
Humphrey Brick & Tile Co., Brookville, Pa.
Humphrey Bros., lumber, Gaylord, Mich.
Humphrey Co., water heaters, Kalamazoo, Mich.
Humphrey, E. C., contractor, Hackensack, N. J.
Humphrey Gas Pump Co., 401 S. A. & K. Bldg., Syracuse, N. Y.
Humphrey, H. W., washers, Unionville, Conn.
Humphrey, John, contractor, 56 Perkins, New Haven, Conn.
Humphrey Mach. Co., Keene, N. H.
Humphrey Mfg. Co., machsts. & fndrs., Elkins, W. H., & Towanda, Pa.
Humphrey Pipe & Foundry Co., Bellefontaine, Ohio.
Humphrey, R. H., & Co., lbr., New Albany, Ind.
Humphrey, R. T., htg. contrs., 811 Flatbush av, Brooklyn, N. Y.
Humphrey & Son, agricultural implements, Joliet, Ill.
Humphrey-Widman Bookcase Co., Kirby & 14th, Detroit, Mich.
Humphrey & Young, paper & pulp mills, Napanoch, N. Y.
Humphreys, C. Gilbert, architect, Winston-Salem, N. C.
Humphreys, E. C., Co., alloys, blast furnaces, metals, etc., 62 Penobscot, Detroit, Mich.
Humphreys, Geo., dock bldr., 575 Clinton, Brooklyn, N. Y.
Humphreys, H., & Co., lbr., Camden, N. J.
Humphreys, John S., Esq., architect, 24 Avon, Cambridge, Mass.
Humphries, C. J., sash, door & blind, Ogden, Utah.
Humphryes Mfg. Co., pumps, plbrs. supplies, jobbers, etc., Mansfield, Ohio.
Humphry's R. A., Sons, contractors' tents, tool bags, flag mfrs. etc., 1021 Callowhill, Philadelphia, Pa.
Humpton-Scott Co., toys, games & nov., Columbus Ohio.
Humrickhouse, Samuel J., architect, Shepherdstown, W. Va.
Hundley, J., architect, Pittock Blk., Portland, Ore.
Hundley, Jack, B., architect, Stombaugh bldg, Youngstown, O.
Hundred Milling Co., flour, Hundred, W. Va.
Huner, John T., match mfr., Evergreen, N. Y.
Hungarian Flour Mills Co., Denver, Colo.
Hunger, H. J., Brass Works, 928 Champlain, Cleveland, Ohio.
Hunger & Scheidegger, machsts. & fndrs,, Cleveland, Ohio.
Hungerford, Darius, architect, 842 Broadway, Nashville, Tenn.
Hungerford, J. A., cornices, Auburn, N. Y.
Hungerford, P. B., sash, door & blind, Lincoln, Ill.
Hungerford & Terry, water fitters, Penna. Bldg., Phila., Pa.
Hungerford, U. T., Brass & Copper Co., 80 Lafayette, New York
Hunkin, Conkey Construction Co., Cuyahoga Bldg., Cleveland, O.
Hunkins-Willis Lime & Cement Co., Century Bldg., St. Louis, Mo.
Hunnewell Soap Co., 312 Genesee, Cincinnati, Ohio.
Hunnicutt, Chas., Co., seed corn graders, Wilmington, Del.
Hunsader, John, Mach. Co., Sturgeon Bay, Wis.

cker Engng. Co., machsts. & fndrs., Lebanon, Pa.
A. C., & Co., meat packers, Springfield, Mass.
Bros., contractors, Kingston, N. Y.
Bros. Co., canned goods, San Francisco, Cal.
& Burns, architects, Laughlin Bldg., Los Angeles, Cal.
C. H., Co., mining screens, Wilkes-Barre, Pa.
C. Howard, Pen Co., machsts., Camden, N. J.
C. W., Co., industrial trucks, etc., West New Brighton, ew York. *See adv index at end of book.*
Crawford Co., paper, Coshocton, Ohio
& Dorman Mfg. Co., stamping wks., 1600 E. 24th, Cleve nd, Ohio.
E. Hamilton, machsts.' tools & supplies, 136 W. Lake, hicago, Ill.
E. J., Mfg. Co., oil fitters, Ordway Bldg., Newark, N. J.
Edmund S., & Sons Co., fireworks, Weymouth, Mass.
Edw. J., transformer oils, 707 Ordway Bldg., Newark, . J.
Engineering Co., Republic Bldg., Kansas City, Mo.
F. Albert, architect, 1 W. 34th, New York.
Gilbert J., contractor, Richmond, Va.
Glass Co., Corning, N. Y.
Helm, Ferris & Co., agricultural implements & barn equipents, Harvard, Ill.
Henry, glass stainers, 114 Wabash, Pittsburgh, Pa.
Henry C., Co., mill & facty. supplies, 135 Oliver, Boston, ass.
& Hunt, architects, 28 E. 21st, New York.
J. Osborn, architect, 114 N. Montgomery, Trenton, N. J.
J. T., & Co., contractors, Greensboro, N. C.
Jas. B., Mfg. Co., masons' & bldrs.' matls., Trenton, N. J.
Jasper, Mfg. Co., typewriter ribbons, 536 S. Clark, Chigo, Ill.
L. F., contractor, Decatur, Ill.
Leigh, architect, 209 Grand av, Milwaukee, Wis.
M. A., Co., mattresses, Dempsey & C. H. & D. Ry., Cinnati, Ohio.
M. J., machy. dlrs., 1316 Beach, Philadelphia, Pa.
M. N., contractor, Sault Sainte Marie, Mich.
Mfg. Co., disinfectants, 3335 Broadview, Cleveland, Ohio.
& Mottet Co., whol. hdwe. & mill & facty. supplies, Tama, Wash.
Myron, architect, Hibernian Bldg., Los Angeles, Cal.
Packing Co., Beaufort, S. C.
Pen. C., Howard, Co., spring washers, Camden, N. J.
Philip A., Co., gold leaf, 225 5th av, New York.
R. H., architect, James Bldg., Chattanooga, Tenn.
R. J., mill & factory supplies, Derby Line, Vt.
Robt. W., & Co., inspecting engrs., 175 W. Jackson blvd., icago, Ill.
Rodney, Machine Co., machsts. & fndrs., Orange, Mass.
piller Mfg. Corp., air furnaces, locomotive, castings, 383 rchester, Boston, Mass.
Spring Bed Co., Chattanooga, Tenn.
W. A., sashes, doors & blinds, Cambridge, Ohio.
W. W., & Co., landscape archt., 24 State, Hartford, Conn.
& Washburn, buckwheat flour, Delanson, N. Y.
Wm., floor drains, 1512 S. Grand av, St. Louis, Mo.
Wm. E., architect, Torrington, Conn.
. A. J., machst. & fndr., Knobnoster, Mo.
, Alfred, & Son Co., brick, Albany, N. Y.
, Allen & Co., lumber, Winchester, Ill.
Arms Co., rifles, guns, etc., Fulton, New York.
, Benn & Co., lumber mfrs., Mobile, Ala.
Bros. Stone Co., Bloomington, Ind.
, Chas. E. Farmer's Friend Plow Wks., Freder'ksburg, Va.
Co., lumber, Jacksonville, Fla.
Constr. Co., Youngstown, Ohio.
, D. H., contractor, 1820 N. 11th, Reading, Pa.
Dexter, lbr. mfrs., Albany, N. Y.
& Dickson Co., steam fitters' supplies, 241 Arch, Philaphia, Pa.
Dry Kiln Co., E. 26th & Cornell av, Indianapolis, Ind.
Everett Boat Co., launch & yacht motor boat bldrs., Menry, Ill.
Fan & Motor Co., Fulton, N. Y.
Frank B., architect, State Life Bldg., Indianapolis, Ind.
Harry Edgar, archt., Security Bldg., Cedar Rapids, Ia.
& Havens, whol. hdwe. & mill & facty. supplies, Bridget, Conn.
Illuminated Car Sign Co., Linden av, Flushing, N. Y.
J. Duncan, architect, 501 5th av, New York.
Jas., Htg. & Contrg. Co., Albany, N. Y.
Jas., Machine Co., North Adams, Mass.
Jas. S., machst. & fndr., Ashland, Ohio.
Jno. D., architect, 335 Sterling, Watertown, N. Y
John S. V., pipes, smoking, Camden, N. J.
K. C., contractor, Grand Forks, N. D.
L. L. (Est. of), lumber, Tidioute, Pa.
L. L., architect, Charlotte, N. C.
Lumber Co., Berkeley, Cal.
M. W., contractor, Bedford, Ind.
Malcolm, life saving nets, 32 Dutchkill, Long Island y, N. Y.
Milling Co., flour, Wellington, Kans.
Paul C., architect, 191 9th av, New York.
Pressed Steel Co., cor. Orthodox & Horrocks, Phila., Pa

Hunter, P. C. & Bro., architects, 501 5th av, New York.
Hunter, R. Malcolm, architect, Annapolis, Md.
Hunter, S. M., & Co., contractors, 5643 Harper av, Chicago, Ill.
Hunter & Saner, lumber, Prosperity, S. C.
Hunter Saw & Machine Co., 57th & Butler, Pittsburgh, Pa.
Hunter & Son, stone producers, Gloversville, N. Y.
Hunter, Stevens & Co., lumber mfrs. & masons' & bldrs.' matls., La Salle, Ill.
Hunter & Strehlow Co., cornices, Peoria, Ill.
Hunter, W. E. N., architect, 78 Wash. blvd., Detroit, Mich.
Hunter, W. H., masons' & bldrs.' matls., Wingate, Ind.
Hunter, Wm., Mach. Co., Hoboken, N. J.
Hunters Point Dry Docks, 1 B'way, New York.
Hunting Co., whol. hdwe., Watertown, N. Y.
Hunting Co., plumbers' supplies—jobbers, Rochester, N. Y.
Hunting-Davis Co., architects, Century Bldg., Pittsburgh, Pa.
Huntingburg Dry Pressed Brick Co., Huntingburg, Ind.
Huntingburg Wagon Wks., Huntingburg, Ind.
Huntington, Alfred, machsts., Ripley, N. Y.
Huntington Brick Co., Huntington, Ind.
Huntington, Chas. W., lumber, Washington, Vt.
Huntington, G. W., Architect Co., McPhee Bldg., Denver, Colo.
Huntington, H. J., cornices & skylights, 1010 Superior av, Cleveland, Ohio.
Huntington Hogshead & Specialty Mfg. Co., Huntington, W. Va.
Huntington Machy. & Supply Co., Wilkes-Barre, Pa.
Huntington Piano Co., Shelton, Conn.
Huntington Roofing Tile Co., Huntington, W. Va.
Huntington Seating Co., church furniture, Huntington, W. Va.
Huntington & Son, sash, door & blind, Ladoga, Ind.
Huntington Spring Bed Co., Huntington, W. Va.
Huntington Steel Fdry. Co., castings, Huntington, Ind.
Huntington Stove & Foundry Co., Huntington, W. Va.
Huntington Tumbler Co., glass, Huntington, W. Va.
Huntley & Derdinger Corp., contractors, Electric Bldg., Buffalo, New York.
Huntley, J. G., machsts., Pittston, Pa.
Huntley Machy. Co., Holland, Mich.
Huntley Mfg. Co., canning coffee, polishing, flour, mill grain, cleaning machy., etc., Silver Creek, N. Y.
Hunton & Weeks, lumber, 1015 Russell, Detroit, Mich.
Huntsinger, J. H., Advtg. & Mfg. Co., spec., 2615-19 Walnut, Kansas City, Mo.
Huntsville Brick Co., Huntsville, Ala.
Huntsville Coffin Co., Huntsville, Ark.
Huntsville Cotton Oil Co., meal, fertz. mfrs., Huntsville, Tex.
Huntsville Fibre & Veneer Works, Huntsville, Ala.
Huntsville Foundry & Machine Co., see Grace, C. M., & Co. (successor).
Huntsville Handle Mfg. Co., Huntsville, Mo.
Huntsville Lumber & Mfg. Co., Huntsville, Ala.
Huntsville Warehouse Co., fertilizer mfrs., Huntsville, Ala.
Huntt, Albert F., architect, Old Dominion Trust bldg, Richmond, Va.
Hunzicker, John, architect, Eugene, Ore.
Hunzinger, Geo., & Son, card tables, 323 W. 16th, New York.
Hunzinger, J. H., & Co., contractors, Iowa City, Ia.
Hupfauf, Herman, contractor, 7 E. 42d, New York.
Hupp Motor Car Co., 1049 E. Milwaukee, Detroit, Mich.
Hupp-Yeats Electric Car Co., Lycaste & Detroit ter, Detroit, Mich.
Hurck Indian Motor Co., 109 N. 12th, St. Louis, Mo.
Hurd Bros., lbr., 719 Bailey av., Buffalo, N. Y.
Hurd, Geo. R., Co., masons' & bldrs.' matls., Monroe, Mich.
Hurd, Geo. B., & Co., paper & writing paper & pads & tablets, 425 Broome, New York.
Hurd & Gore, architects, 8 Beacon, Boston, Mass.
Hurd, Jos. A., Lumber Co., 53 State, Boston, Mass.
Hurd, T. P., & Son, masons' & bldrs.' matls, Clyde, Ohio.
Hurd, W. F., Co., sash doors, 200 Campbell av, Detroit, Mich.
Hurewitz, J., button molds, 33 Bleecker, New York.
Hurlburt Motor Truck Co., 2421 3rd av, New York.
Hurlbut, W. M., Co., contrs., Waterbury, Conn.
Hurlbut, Rogers Machinery Co., South Sudbury, Mass.
Hurley Bros., contractors, Newton Center, Mass.
Hurley-Grant Co., mill & facty. supplies, Willimantic, Conn.
Hurley, J. W., canned goods, Urbana, Va.
Hurley, John E., boilers, 1219 Ohio av, Washington, D. C.
Hurley, Jno. H., contractor, Trenton, N. J.
Hurley Machine Co., electric labor driving machines, Cicero, Ill.
Hurley-Mason Co., contractors, Tacoma, Wash.
Hurley, P. J., contractor, 1233 Cherry, Philadelphia, Pa.
Hurley & Wainwright, brass ingots, 81 Fulton, New York.
Hurline, Henry, contractor, Old York rd, Baltimore, Md.
Hurlock, C. S., canned goods, Massey, Md.
Hurmus Paper Co., West Dudley, Mass.
Huron Canning Co., Port Austin, Mich.
Huron Chem. Co., Bushwick av, Brooklyn, N. Y.
Huron Implement Co., Bad Axe, Mich.
Huron Milling Co., flour, Huron, S. D.
Huron Milling Co., starch, Harbor Beach, Mich.
Huron Portland Cement Co., Ford Bldg., Detroit, Mich.
Huron Rubber Co., pneu. tel. cushions, Cleveland, Ohio.
Hurricane Creek Lumber Co., Guy, La.
Hursh, Jos., & Son, architect & contractor, Mansfield, O.
Hurst, A. (Est. of), lime mfrs., Maquoketa, Ia.

Hurst, Leo., contractor, Pocatello, Idaho.
Hurst, L. J., Mfg. Co., toys, 716 W. 24th, Indianapolis, Ind.
Hurt, R. D., canned goods, Salem, Va.
Hurwitz, H., architect, 270 Grand, New York.
Hurst Sash & Door Co., Grand Island, Neb.
Hurwitz Bros. Iron & Metal Co., scrap iron, Syracuse, N. Y.
Huse, Jos., & Son, mica chimneys, 91 Blackstone, Boston, Mass.
Huse, W. D., & Sons, mill & facty. supplies, Laconia, N. H.
Huselton Automobile Co., Butler, Pa.
Huseman, Augustus, common brick, Pittsfield, Ill.
Huseman, Fred, contrs., Winona, Minn.
Huss Bros. Fixture Co., 25 W. Baker, Cincinnati, Ohio.
Huss Mfg. Co., cotton damasks, Bessemer City, N. C.
Hussa, Theo. F., singeing machs., 50 Church, New York.
Husselrath Importing Co., rattans, bamboo, 37 Liberty, New York.
Hussey Binns Steel Co., mfrs. of tool steel, Bridgeville, Pa.
Hussey, C. G., & Co., copper anodes, mitres, spikes, etc., 2850 2d av, Pittsburgh, Pa.
Hussey, John R., dry kiln doors, Indianapolis, Ind.
Hussey, McCann & Co., machsts.' tools & supplies, 87 Warren, New York.
Hussey, M. M., & E. T., lime mfrs., Palmyra, Tenn.
Hussey Plow Co., North Berwick, Me.
Hussey, W. H., & Son, plumbers' supplies—jobbers, 148 W. 35th, New York.
Hussman, Harry L., tool grinders, 911 N. B'way, St. Louis, Mo.
Hussman Lbr. Co., Cottonwood, Idaho.
Hussong Dyeing & Mach. Co., Groveville, N. J.
Hust, Fred, architect, 48 E. South, Salt Lake City, Utah.
Hustead-Semans Coal & Coke Co., Uniontown, Pa.
Husted, A. P. Co., masons' & bldrs.' matls., Tarrytown, N. Y.
Husted-Hall Mould Wks., glass molds, Bridgeton, N. J.
Husted, Mortimer A., signs, celluloid, Philadelphia, Pa.
Hustisford Canning Co., Hustisford, Wis.
Huston, Darbee & Co., fertilizer mfrs., Seaford, Del.
Hutchens, Chas. E., contractor, Huntsville, Ala.
Hutchens, Ed., rubber plant engnrs., 866 Superior, Milwaukee, Wis.
Hutchens & Sampson, flour mills, Yadkinville, N. C.
Hutcheson Mfg. Co., rope, Banning, Ga.
Hutcheson, Wm., machsts., 212 N. Holliday, Baltimore, Md.
Hutchings & Co., horticultural archts., Penna. Bldg., Phila., Pa.
Hutchings, E. T., architect, Columbus Bldg., Louisville, Ky.
Hutchings, Geo. T., granite producers, Milford, Mass.
Hutchings, John F., contractor, Muncie, Ind.
Hutchings Organ Co., 435 Albemarle rd, Boston, Mass.
Hutchins, A. W., & A. B., brick, Orland, Me.
Hutchins, Arthur L., contractor, Watertown, Mass.
Hutchins Car Roofing Co., Ford Bldg., Detroit, Mich.
Hutchins, Geo. E., mill & facty. supplies, Lowell, Mass.
Hutchins, H. Wesley Co., lbr., Auburn, Me.
Hutchins, S. B., Jr., contractor, Portsmouth, Va.
Hutchins, Wallace J., contractor, Fitchburg, Mass.
Hutchins & French, architects, 8 Winter, Boston, Mass.
Hutchinson Box Board & Paper Co., Hutchinson, Kans.
Hutchinson Bros., hotel cooking apparatus mfrs., 5 S. Howard, Baltimore, Md.
Hutchinson Bldg. Co., Concord, N. H.
Hutchinson, C. M., architect, Hiberman bldg, Los Angeles, Cal.
Hutchinson Coal Co., Fairmount, W. Va.
Hutchinson Co., contractors, Oakland, Cal.
Hutchinson Concrete Co., Hutchinson, Kans.
Hutchinson & Cutler, architects, Cutler Bldg., Rochester, N. Y.
Hutchinson, D. W., oils, 94 John, New York.
Hutchinson, Forman S., contractor, Belmar, N. J.
Hutchinson Foundry & Machine Wks., Hutchinson, Kans.
Hutchinson, Frank G., architect, E. 1515 13th av, Spokane, Wash.
Hutchinson, Homer H., saw bucks & frames, Bristol, N. H.
Hutchinson, Jno., Mfg. Co., ball wheels, Jackson, Mich.
Hutchinson, John, & Sons, stone, 2383 1st av, New York.
Hutchinson Leather Machine Co., Winchester, Mass.
Hutchinson Lbr. Co., Lynn, Mass.
Hutchinson Lumber Co., Huntington, W. Va.
Hutchinson Lumber & Planing Mill Co., Hutchinson, Kans.
Hutchinson Lumber & Supply Co., Cordele, Ga.
Hutchinson, P. F., elec. contr., Walnut Creek, Cal.
Hutchinson, Robert C., architect, 126 Liberty, New York.
Hutchinson, Sam'l R., stone producers, Trenton, N. J.
Hutchinson, W. B., & Co., contractors, Michigan City, Ind.
Hutchinson, W. H., & Son, tin foil, 2101 Walnut, Chicago, Ill.
Hutchinson, W. Henry, whol. hdwe., 49 Monroe, Lynn, Mass.
Hutchison, Frank, machst., Jackson, Mich.
Hutchison Office Specialties Co., stapling machine, 501 5th av, New York.
Hutchison, T. T., & Co., harness mfrs., Wheeling, W. Va.
Hutchisson, C. L., architect, Enamel Bldg., New Orleans, La.
Huth, N. G., Dredging Co., Franklin, La.
Huther Bros. Saw Mfg. Co., 1190 University av, Rochester, N. Y. *See adv. index at end of book.*
Hutkoff, Nathan, & Co., plate glass, 80 Greene, New York.
Hutsinpillar, Sheridan Co., see Hudson-Pillar Hdwe. Co. (successor).
Hutt, J. E., Contracting Co., Railway Exchange Bldg., Kansas City, Mo.
Hutt & Knod, contractors, Pottstown, Pa.

Hutter Constr. Co., Fond Du Lac, Wis.
Hutter, Frank, masons' & bldrs.' matls., Cle Elum, Wash.
Hutter, Karl, bottle stoppers, 241 Lafayette, New York.
Huttig Mfg. Co., sashes, doors & blinds, Muscatine, Ia.
Huttig Mill Work Co., Kansas City, Mo.
Huttig Sash & Door Co., 1200 S. Vanderventer, St. Louis, M
Hutton & Bourbonnais Co., lbr., Hickory, N. C.
Hutton & Buys, architects, 103 Park av, New York.
Hutton Co., brick, Kingston, N. Y.
Hutton, Isaac E., sash, door & blind, Ridgewood, N. J.
Hutton, J. M., & Co., coffins, etc., Richmond, Ind.
Hutton, Jos. T., & Son, architects, Hammond, Ind.
Hutton, L. Percival, architect, Orlando, Fla.
Hutton Mfg. Co., bathing suit mfrs., 315 Arch, Philadelphia, P
Hutton, Robt. Co., cornices, 116 Fort, E. Detroit, Mich.
Hutton & Lane, contrs., Rapid City, So. Dak.
Huxley, Frank S., contractor, Northampton, Mass.
Huxtable, Jno., contr., Le Mars, Ia.
Huyck, F. C., & Sons, papermakers, felts, Albany, N. Y.
Huyette, Paul B., Co., steamfitters' supplies, 5 S. 18th, Phil delphia, Pa.
Hvass, Chas., & Co., machsts., 511 E. 18th, New York.
Hyatt, F. H., stone, Columbia, S. C.
Hyatt Roller Bearing Co., roller bearing mfrs., Harrison, N. J.
Hyatt-Wise Mfg. Co., mantles, Columbus, Ohio.
Hyde, Albert, & Son, msns.' & bldrs.' matls., Grand Rapids, Mic
Hyde Bros. & Co., water tube boilers, Commonwealth Bldg Pittsburgh, Pa.
Hyde, C. L., Construction Co., San Diego, Cal.
Hyde Carbon Black Co., Ridgway, Pa.
Hyde, Chas. J., agricultural implements & mill & facty. supplie Meridian, Miss.
Hyde, Clinton N. C., ranges, 592 Clinton av, Albany, N. Y.
Hyde, E. Belcher, maps, 97 Liberty, Brooklyn, N. Y.
Hyde, E. H., machst. & fndr., Lancaster, Wis.
Hyde, Frank D., contractor, 90 West, New York.
Hyde, Geo. E., & Co., canned goods, Campbell, Cal.
Hyde, Harjes & Co., contractors & dock bldrs., 110 Market, S. Francisco, Cal.
Hyde, Maxwell, architect, 32 Vanderbilt, New York.
Hyde Mfg. Co., knives, broom needles, shoemakers' blades, et Southbridge, Mass.
Hyde-Murphy Co., masons' & bldrs.' matls. & sash, door & bli mfrs., Ridgway, Pa.
Hyde Park Foundry & Mach. Co., Hyde Park, Pa.
Hyde, Robt. M., architect, 8 S. Dearborn, Chicago, Ill.
Hyde, W. F., Co., contractors, 1008 Scoville av, Cleveland, Oh
Hyde, W. H., & Co., masons' & bldrs.' matls., Ridgway, Pa.
Hyde, W. L., & Co., blackboard erasers, 94 Blackstone, Bosto Mass.
Hyde Windlass Co., machsts. & fndrs., Bath, Me.
Hydeville Slate Wks., for elec. purposes, Hydeville, Vt.
Hydrated Lime Bureau, Arrott Bldg., Pittsburgh, Pa.
Hydraulic Constrg. Co., Watertown, N. Y.
Hydraulic Engng. Wks., machsts., 708 Fulton, Chicago, Ill.
Hydraulic Hoist Mfg. Co., St. Paul, Minn.
Hydraulic Iron Works, water motors, Erie, Pa.
Hydraulic Press Brick Co., St. Louis, Mo.
**HYDRAULIC PRESS MFG. CO.,** hydraulic pressure pum etc., Mount Gilead, O. *See adv index at end of book*
Hydraulic Pressed Steel Co., 3152 E. 61st, Cleveland, Ohio.
Hydraulic Specialty Co., closet couplings, 427 Walnut, Phi delphia, Pa.
Hydraulic Steelcraft Co. (The), steel buildings, etc., Clevela Ohio.
Hydraulic Supply Mfg. Co., riveted steel pipe, Seattle, Wash.
Hydraulic Turbine Corp., machsts. & fnrds., Camden, N. Y.
Hydrex Felt & Engng. Co., 120 Liberty, New York.
Hydro Bar Waterproofing Co., cement waterproofing materia 328 E. 23d, New York.
Hydro Construction Co., Mutual Life Bldg., Buffalo, N. Y.
Hydro Damp-Proofing & Engng. Co., paint mfrs., Pittsburgh,
Hydro Heater Co., gas, Oliver Bldg., Pittsburgh, Pa.
Hydro-Hoist Co., dump truck bodies, etc., 26th & Montana a Milwaukee, Wis.
Hydro Mfg. Co., water level gauges, Bullitt Bldg., Phila., Pa
Hydro Palm Soap Co., Neponset, Boston, Mass.
Hydro-Pneumatic Disinfecting Co., 221 Mercer, New York.
Hydro Stone Products Co., 175 W. Jackson Blvd., Chicago, Ill
Hydro Storage Battery & Mfg. Co., whistles, 802 Plum, Cinc nati, Ohio.
Hydrofluoric Mfg. Co., acid, York, Pa.
Hydrolith Co., sanitary flooring, 25 Dean, Brooklyn, N. Y.
Hydrometic Co., water meters, 953 N. Main, Los Angeles, C
Hyer, David B., architect, Charleston, S. C.
Hyfield Mfg. Co., safety razor blade sharpening machs., Walker, New York.
Hygeia Antiseptic Toothpick Co., 160 W. 14th, New York.
Hygeia Can. Co., 25 Elm, New York.
Hygeia Filter Co., 338-348 Denton, Detroit, Mich.
Hygeia Medicine Cabinet Co., 246 Middle, Bridgeport, Conn.
Hygenia Brush Co., auto washing brushes, 15 Hermon, Wor ter, Mass.
Hygeno Disinfectant Co., sheep dips, Cleveland, Ohio.
Hygenol Co., soap, 2837 Henn. Minneapolis, Minn.
Hygienic Blanket Mills, Hubbardston, Mass.
Hygienic Fibre Co., absorbent cotton & gauze, ersailles, Conn

ic Fleeced Underwear Co., 2415 Howard, Phila., Pa.
ic Products Co., enamel cleaner, 233 Broadway, Canton, hio
le Belting & Oil Co., mill & factory supplies, 436 W. B'way, w York.
le Engng. Co., incandescent lamp making machy., 391 ilberry, Newark, N. J.
le Knitting Mills, sweaters, 777 S. 18th, Newark, N. J.
le Lamp Co., Salem, Mass.
le Mach. & Equipment Co., jigs & fixtures, 245 N. J. R. R. , Newark, N. J.
l Bag Co., 243 Sacramento, San Francisco, Cal.
l, Paul V., architect, 29 S. La Salle, Chicago, Ill.
, R. H., & Co., mill & factory supplies, 323 Wells, Chicago, .
l, W. J., Mfg. Co., ball cocks, Springfield, Mass.
l Wm. A., Jr., fndr., Galena, Md.
, E., plbrs. supplies, Louisville, Ky.
, Frank, mattresses, 1329 Clybourn av, Chicago, Ill.
, Henry & Co., mfrs. metal goods, 77 Chambers, New rk.
, Louis P., & Co., scrap iron & steel, Louisville, Ky.
-Michaels Co., scrap iron, People's Gas Bldg. Chicago, Ill.
*e adv index at end of book*
, S. L., architect, Crocker bldg., San Francisco, Cal.
Supply Co., mill & facty. supplies, Newbern, N. C.
a Canning Co., Hymera, Ind.
Bros. Co., oils, 235 Pearl, New York.
an Roofing Co., corrugated iron roofing, etc., 318 E. 2d, ncinnati, Ohio.
F. T., & Son, masons' & bldrs.' matls., Brighton, Mich.
Frank R., machst., Camden, N. Y.
John, granite prod., Bond & Union, Brooklyn, N. Y.
Tool & Supply Co., 4758 Easton av, St. Louis, Mo.
Humus Co., Newton, N. J.
Mfg. Co., tinsel cord, Revere, Mass.
W. W., architect, Anaconda, Mont.
C. H., archt., Wright & Callender Bldg., Los Angeles, Cal.
g, C. A., potteries, Bloomsburg, Pa.
Factories, Inc., elec. lanterns, Indianapolis, Ind.
mber Co., Ltd., Colfax, La.
n, T. E., contractor, Corn Exchange, Minneapolis, Minn.
onrad, Jr., contr., Peoria, Ill.
Canning Co., Iberia, Mo.
Co., gauges, 404 Keefe av, Milwaukee, Wis.
lfg. Co., lbr., Icard, N. C.
old Mach. Co., 3003 N. B'way, St. Louis, Mo.
am Trade Journal, 150 Nassau, New York.
P., & Son, lumber, Mount Summit, Ind.
efrigeration, trade publication, 5707 W. Lake, Chicago, Ill.
Mach. Co., refrigerating mach., 12014 Iowa av, Cleve- d, Ohio.
imer Bros. Co., elec. & gas light fixtures, 439 Sutter, San ancisco, Cal.
Bottle Co., 122 W. 2d, Cincinnati, Ohio.
nning Co., Ida, Mich.
Canning Co., Payette, Idaho.
Fire Brick Co., Troy, Idaho.
Fdry. & Mach. Co., Lewiston, Idaho.
Hardware & Plumbing Co., Ltd., Boise, Idaho.
Lime Co., masons' & bldrs.' matls., Spokane, Wash.
Nat. Harvester Co., machsts. & fndrs., Moscow, Idaho.
Portland Cement Wks., Spokane, Wash.
Prov. & Packing Co., meat, Boise, Idaho.
Soap Co., Boise, Idaho.
L., & Sons, steam engines, iron castings, machinery, ingfield, Ill.
T., & H. K., masons' & bldrs.' mtls., St. Johnsbury, Vt.
aber Co., packing boxes, Southbridge, Mass.
cetylene Co., gas mach'y & lgtng. plants, Johnstown, Pa.
eroplane & Supply Co. toys, 84 W. B'way, New York.
r Brush Co., 18 Franklin, New York.
rt Bent Glass Co., shades, 407 Broome, New York.
uto Co., Fort Wayne, Ind.
utomatic Governor Co., 164 Emmet, Newark, N. J.
ok Mailing Corner Co., Worcester, Mass.
ronze Co., fndrs., 1265 E. 55th, Cleveland, Ohio.
se Hardening Compound Co., 27 Thames, New York.
hemical Co., boiler compound, Indianapolis, Ind.
hina Kiln Co., Port Huron, Mich.
lamp Mfg. Co., 202 Bradford, Brooklyn, N. Y.
oated Paper Co., Brookfield, Mass.
ommutators, Dresser Co., stones, 8 S. Dearborn, Chicago,
oncrete Constr. Co., Joliet, Ill.
oncrete Machinery Co., 1346 Monmouth av, Cincinnati, O.
onstr. Co., N. Milwaukee, Wis.
ornice Co., 1040 Howard, San Francisco, Cal.
ut Glass Co., Canastota, N. Y.
esk Co., book cases, Auburn, Me.
e Casting Co., castings in gold, silver, brass & composi- as, 756 Eddy, Providence, R. I.
lec. & Mfg. Co., dynamos, motors, etc., Mansfield, Ohio.
ngine Co., gas & gasoline, Lansing, Mich.
ire Detector Co., 374 Plane, Newark, N. J.
ishing Float Co., Richmond, Va.

**Ideal Floor Sander Co., floor surfacing machines, 440 N. Peoria, Chicago, Ill.**
Ideal Fdry. Co., Grand Rapids, Mich.
Ideal Furnace Co., Chester, Pa.; 88 Jefferson av, Detroit, Mich.
Ideal Fuse Co., 149 2d, San Francisco, Cal.
Ideal Gas & Electric Fixture Co., electric & light fixture mfrs., 433 B'way, New York.
Ideal Hanger Co., stone & wall anchors, etc., Cleveland, Ohio.
Ideal Heat & Draft Regulator Co., 419 E. 22d, New York.
Ideal Htg. Co., 915 Gates av, Brooklyn, N. Y.
Ideal Heating Co., 6312 Wentworth av, Chicago, Ill.
Ideal Htg. Co., 16 E. First av, Columbus, Ohio.
Ideal Hoop Co., Ashtabula, Ohio.
Ideal Knitting Mills, 587 Hendrix, Brooklyn, N. Y.
Ideal Lamp Mfg. Co., Fairbault, Minn.
Ideal Leather Goods Co., 326 Dean, Providence, R. I.
Ideal Lbr. & Coal Co., masons' & bldrs.' matls., Appleton, Wis.
Ideal Machine & Tool Co., dies, etc., 128 Longworth, Cincinnati, Ohio.
Ideal Mfg. Co., bottle capping machs., Kewanee, Ill.
Ideal Mfg. Co., meat slicers, cheese cutters, Anderson, Ind.
Ideal Mfg. Co., plumbers' wood wk., closet pulls, Franklin & Dubois, Detroit, Mich.
Ideal Mfg. Corp., stationers' specialties, 436 E. 9th, New York.
Ideal Mfg. & Supply Co., heaters, Oskaloosa, Ia.
Ideal Metallic Furniture Co., racks (hat & clothes), 1259 Military, Detroit, Mich.
Ideal Metallic Packing Co., So. Stillwater, Minn.
Ideal Moistener Co., Findlay, Ohio.
Ideal Oil Co., 931 Clinton, Buffalo, N. Y.
Ideal Packing Co., Baymiller, nr. Central, Cinn.
Ideal Power Lawn Mower Co., Lansing, Mich.
Ideal Reversible Hinge & Cabinet Co., 3666 Pk, av, St. Louis, Mo.
Ideal Roller Mills, flour, Falmouth, Ky.
Ideal Sad Iron Mfg. Co., 211 High, Cleveland, Ohio.
Ideal Spec. Co., post cards, Albums, 552 Adams, Chicago, Ill.
Ideal Stencil Machine Co., stencil cutting machy. & shipping room supplies, Belleville, Ill.
Ideal Supply Co., plumbers' supplies—jobbers, Somerville, Mass.
Ideal Switch & Machy. Co., spark plugs, Plainville, Conn.
Ideal Tank & Supply Co., Inc., mill & facty. supplies, & plumbers' supplies, Peoria, Ill.
Ideal Tire & Rubber Co., Warner rd, Cleveland, Ohio.
Ideal Tire Setter Co., McGehee, Ark.
Ideal Tool & Mfg. Co., die mfrs., Beaver Falls, Pa.
Ideal Ventilator Co., window ventilators, 99 Stewart, Providence, R. I.
Ideal Window Glass Co., West Union, W. Va.
Ideal Wrapping Mach. Co., Middletown, N. Y.
Idealite Co., fire proof floors, Cincinnati, Ohio.
Idealo Co,, metal polish, Bourse Bldg., Philadelphia, Pa.
Idell, Geo. S., architect, 34 S. 16th, Philadelphia, Pa.
Iden, Hy., electric & light fixture mfrs., 46 University pl, New York.
Iden, Wm. A., Co., mill & facty. supplies, 564 Wash. blvd, Chicago, Ill.
Igelstroem, Jno., Co., advtg. spec., Massillon, Ohio.
Iglehart Bros., flour mills, Evansville, Ind.
Igo, Jno., & Co., granite, Quincy, Mass.
Igoe Bros., wire products, nails, rivets, etc., Canal & Lafayette, New York; mill, Newark, N. J.; Export Warehouse, Brooklyn, N. Y. *See adv index at end of book*
Igou Mfg. Co., confectioners' machy., Springfield, Ohio.
Ihling Bros., Everard Co., bookholder, Kalamazoo, Mich.
Ikeler, Roland R., flour mills, Bloomsburg, Pa.
Ikenberry Bros., canned goods, Daleville, Va.
Ikenberry, H. C., & Co., canned goods, Cloverdale, Va.
Iler Fndry. & Mfg. Co., machsts. & brass fndrs., 6605 St. Clair, Cleveland, Ohio.
Iles, Edw., machsts. & fndrs., Lincoln, Ill.
Ilg Elec. Ventg. Co., elec. disc. fans, blowers, etc., 154 Whiting, Chicago, Ill.
Ilgentritz, E. C., & Co., landscape architects, 30 Prentiss av, Detroit, Mich.
Iliff Bros., contractors, London, Ohio.
Iliff-Bruff Chem. Co., Hoopeston, Ill.
Iliff, John W., & Co., map tacks, 54 W. Lake, Chicago, Ill.
Iliffe, Wm. H., contractor, Watertown, Mass.
Ilfelder, B., & Co., slate pencils, 29 Union sq, New York.
Illig & Hartmann, burning brands, 211 Pine, St. Louis, Mo.
Illingsworth, Fred., contractor, Muncie, Ind.
Illingworth, John, Steel Co., high speed steel, Tacony & Lewis, Philadelphia, Pa.
Ill. Art Metal Co., tin plate, metals, etc., Springfield, Ill.
Ill. Boiler Cleaning Compound Co., 1338 N. La Salle, Chicago, Ill.
Ill. Brick Co., 111 W. Washington, Chicago, Ill.
Ill. Bridge Co., Monadnock Bldg., Chicago, Ill.
Ill. Bronze Powder Co., 162 W. Randolph, Chicago, Ill.
Ill. Canning Co., Hoopeston, Ill.
Ill. Car Co., Urbana, Ohio.
Ill. Car & Mfg. Co., machsts., 20 W. Jackson blvd., Chicago, Ill.
Ill. Casket Co., 2330 W. Van Buren, Chicago, Ill.
Ill. Clay Products Co., fire clay, Oglesby, Ill.
Ill. Concrete Machine Co., steel centering, Buda, Ill.
Ill. Condensed Milk Co., canners, White Hall, Ill.
Ill. Corr. Metal Co., road culverts, Springfield, Ill.
Ill. Die & Tool Wks., 162 N. Desplaines, Chicago, Ill.

Ill. Electric Porcelain Co., Macomb, Ill.
Ill. Elec'l Mfg. Co., Peoria, Ill.
Ill. Elevator Co., 224 N. Union av, Chicago, Ill.
Ill. Engng. Co., W. 21st & So. Racine av, Chicago, Ill.
Ill. Fire Proof Covering Co., 216 W. Kinzie, Chicago, Ill.
Ill. Flower Box Co., 180 N. Dearborn, Chicago, Ill.
Ill. Foundry & Machine Co., Belleville, Ill.
Ill. Fndry & Specialty Co., Morris, Ill.
Ill. Glass Co., Alton, Ill.
Ill. Granite & Stone Wks., Springfield, Ill.
Ill. Hydraulic Stone & Construction Co., Elgin, Ill.
Ill. Improvement & Const. Co., 208 S. La Salle, Chicago, Ill.
Ill. Iron & Bolt Co., Carpentersville, Ill.
Ill. Kaolin Co., fire clay, Anna, Ill.
Ill. Knitting Mills, 1107 Broadway, New York.
Ill. Leather Co., 930 N. Halsted, Chicago, Ill.
Ill. Lumber, Grain & Coal Co., Hoopeston, Ill.
Ill. Maintenance Co., machsts., 72 W. Adams, Chicago, Ill.
Ill. Malleable Iron Co., iron fndrs., pipe fittings & plumbers,' gas & water work supplies; conduit hangers, etc., 1801 Diversey blvd, Chicago, Ill.
Ill. Mfg. & Supply Co., dust arresters, feed & fireless cookers, sand blast machy., tumbling & water cinder mills, Quincy, Ill.
Ill. Mineral Milling Co., flint, color mfrs. & importers, East St. Louis, Ill.
Ill. Modern Button & Mach. Co., 2407 W. Ohio, Chicago, Ill.
Ill. Mosaic Tile Co., 3601 S. Ashland av, Chicago, Ill.
Ill. Moulding Co., 2411 W. 23d, Chicago, Ill.
Ill. Nail Co., 826 Dix, Chicago, Ill.
Ill. Nat. Supply Co., mill & facty. supplies, Lawrenceville, Ill.
Ill. Nat. Supply Co., oil & gas well supls, machy. dlrs., Casey, Ill.
Ill. Oil Co., of Rock Island, Rock Island, Ill.
Ill. Pacific Glass Co., 15th & Folsom, San Francisco, Cal.
Ill. Packing Box Co., 925 N. Halsted, Chicago, Ill.
Ill. Pipe Iron & Mfg. Co., 2117 S. Jefferson, Chicago, Ill.
Ill. Printing Co., pads & tablets, Danville, Ill.
Ill. Pump & Brass Co., machsts. & fndrs., Peoria, Ill.
Ill. Pure Aluminum Co., cooking apparatus mfrs., Lemont, Ill.
Ill. Razor Strop Co., 2035 Charleston, Chicago, Ill.
Ill. Refrigerator Co., Morrison, Ill.
Ill. School Furniture Co., Rockford, Ill.
Ill. Sewing Mach. Co., Rockford, Ill.
Ill. Show Case Wks., 1735 N. Ashland av, Chicago, Ill.
Ill. Silo & Tractor Co., Bloomington, Ill.
Ill. Smelting & Refining Co., 410 N. Peoria, Chicago, Ill.
*See adv index at end of book.*
Ill. Spring & Stamping Co., 2341 N. Keystone av, Chicago, Ill.
Ill. Steel Bridge Co., steel structural work, Jacksonville, Ill.
Ill. Steel Co., 208 S. La Salle, Chicago, Ill.
Ill. Stoker Co., Alton, Ill.
Ill. Stone Co., 29 S. La Salle, Chicago, Ill.
Ill. Terra Cotta Lbr. Co., 119th & Calu. Lake, Chicago, Ill.
Ill. Testing Laboratories, electrical engineers, 430 S. Green, Chicago, Ill.
Ill. Thresher Co., Sycamore, Ill.
Ill. Tool Wks., die filing machines, 154 E. Erie, Chicago, Ill.
Ill. Valley Silica Co., silica sand, Ottawa, Ill.
Ill. Watch Case Co., Elgin, Ill.
Ill. Watch Co., machsts., Springfield, Ill.
Ill. Zinc. Co., spelter & zinc mfrs., etc., Peru, Ill.
Illustrated Postal Card & Novelty Co., 160 5th av, New York.
Illustrated World, trade publication, 58th & Drexel, Chicago, Ill.
Ils, John G., & Co., cooking apparatus, 839 Mission, San Francisco, Cal.
Ilsley, Doubleday & Co., paint mfrs. & greases, 229 Front, New York.
Imbler Fence & Mfg. Co., Alexandria, Ind.
Imboden Harrow & Roller Co., Cleona, Pa.
Imboden, I. C., Mfg. Co., bit brace chucks, Cleona, Pa.
Imbs, J. F., Milling, flour, Belleville, Ill.
Imbs, Thomas F., architect, 2442 N. Grand av, St. Louis, Mo.
Imex Corp., cerium & alloy, 23 Beaver, New York.
Imhauser, E., Co., watchman's clocks & time recorders, 212 B'way, New York. *See adv. index at end of book.*
Immaculate Kaolin Co., Easton, Pa.
Immel Co., auto.bodies, 1687 S. High, Columbus, Ohio.
Immel Constr. Co., Fond Du Lac, Wis.
Immel, Jno., & Sons Co., see Immel Co. (successor).
Imperato, F. P., architect, 106 De Graw, Brooklyn, N. Y.
Imperial Art Glass & Lamp Wks., glass shades, etc., 205 W. 19th, New York.
Imperial Bagging Co., Norfolk, Va.
Imperial Bearing Co., 1217 Forest av, E., Detroit, Mich.
Imperial Belting Co., 400 N. Lincoln, Chicago, Ill.
Imperial Bit & Snap Co., saddlery hdwe. mfrs., N. W. cor 14th, Racine, Wis.
Imperial Brass Mfg. Co. 524 S. Racine av, Chicago, Ill.
*See adv index at end of book.*
Imperial Broom Wks., 172 N. May, Chicago, Ill.
Imperial Button Co., 27 N. 7th, Philadelphia, Pa.
Imperial Car Cleaner Co., 115 Chestnut, Newark, N. J.
Imperial Carving Co., caskets, ornaments, Allegan, Mich.
Imperial Chemical Co., boiler compounds, 514 N. American, Philadelphia, Pa.
Imperial Color Works, Inc., extracts & colors, dry & pulp colors, dyestuffs, etc., Glens Falls, N. Y.



Imperial Co., fertilizer mfrs., Norfolk, Va.
Imperial Construction & Real Estate Co., 29 Kensington, N Haven, Conn.
Imperial Cotton Mills., Eatonton, Ga.
Imperial Desk Co., Evansville, Ind.
Imperial Dyewood Co., Inc., hyperin extracts, Glens Falls, N
Imperial Elec. Clock Co., St. Louis, Mo.
Imperial Electric Co., motors & generators, Akron, Ohio.
Imperial Elec. Co., rectifiers, Union City, Ind.
Imperail Elec. Mfg. Co., arc lamps, 253 Broadway, New Yor
Imperial Filter Mfg. Co., water filters, 1010 Olive, St. Louis,
Imperial Floor Co., Rochester, N. Y.
Imperial Furn. Co., Grand Rapids, Mich.
Imperial Gas Engine Co., 60 Clementina, San Francisco, Cal
Imperial Glass Co., Bellaire, Ohio, Charleroi, Pa., 29 E. Ma son, Chicago, Ill.
Imperial Glue Co., 1 Drumm, San Francisco, Cal.
Imperial Knitting Co., sweaters, etc., 1075 3d, Milwaukee, W
Imperial Leather Mfg. Co., 847 W. Harrison, Chicago, Ill.
Imperial Lbr. Co., Palmer, W. Va.
Imperial Machine Co., fruits & vegetables, 108 W. 34th, N York.
Imperial Machy. Co., Grand Rapids, Mich., & 1611 Central Minneapolis, Minn.
Imperial Mfg. Co., aprons (canvas, duck, mechanics'; wat proof), Dayton, Ohio.
Imperial Mfg. Co., carbon paper, typewriter ribbons, 297 Wa ington, Newark, N. J.
Imperial Mfg. Co., piano cases, Stamford, Conn.
Imperial Mfg. & Trading Co., corn brooms, 253 B'way, N York.
Imperial Methods Co., filing cabinets & devices, 312 W. Madis Chicago, Ill.
Imperial Oil & Gas Products Co., carbon black, Harrisville, Va.
Imperial Packing Corp., steam packing, 191 Greenwich, N York.
Imperial Paint Co., 80 10th, Long Island City, N. Y.
Imperial Pearl Button Co., 131 W. 23d, New York.
Imperial Polish Co., 54 N. 2d, Philadelphia, Pa.
Imperial Porcelain Wks., porcelain specialties, Trenton, N. J.
Imperial Shipbldg. Corp., Ft. Dubois, Detroit, Mich.
Imperial Steel Cabinet Co., 2144 Fulton, Chicago, Ill.
Imperial Steel Range Co., 2900 Detroit av, Cleveland, Ohio.
Imperial Stone Co., Bedford, Ind.
Imperial Sugar Co., Sugarland, Tex.
Imperial Tool Co., Bloomington, Ill.
Imperial Valley Hdwe. Co., Holtville, Cal.
Imperial Wall Paper Co., Glens Falls, N. Y.
Imperial Water Proof Co., 105 W. Monroe, Chicago, Ill.
Imperial Wheel Co., Flint, Mich.
Imperial Wire & Iron Wks., bank & office railings, Louisville,
Imperial Woolen Co., blankets, Main & Rector, Phila., Pa.
Impervious Package Co., cans, kegs, Keene, N. H.
Impervious Varnish Co., lacquering & japanning for the t and mfrs. of varnishes, japans, lacquers & enamels, Wood, Pittsburgh, Pa.
Implement Trade Journal Co., publications, graphic arts b Kansas City, Mo.
Imports & By Products Co., Inc., whiting mfrs., Trenton, N.
Import Sales Co., dec. elec. lighting, 27 W. 20th, New York.
Imprint Pencil Co., advtg. pencils, 530 B'way, New York.
Improved Aluminum Gasco Protector Co., respirators, pr tors, etc., 1103 North av, Waukegan, Ill.
Improved Appliance Co., furnaces, brazing tables, 413 Kent Brooklyn, N. Y.
Improved Brick Co., Salt Lake City, Utah.
Improved Dodge Guano Co., Eastman, Ga.
Improved Equipment Co., gas wks. app., 60 Wall, New York
Improved Gauge Mfg. Co., 105 Canal, Syracuse, N. Y.
Improved Mailing Case Co., 309 B'way, New York.
Improved Office Partition Co., Broome & Clark, New York.
Improved Paper Machy. Co., Nashua, N. H.
Improved Sanitary Fixture Co., bath & lavatory, 612 Metro tan Bldg., Los Angeles, Cal.
Improved Sewer Cleaning Mach. Co., 1720 Cedar, Milwaukee,
Improvement Bulletin, trade publications, 610 Exchange neapolis, Minn.
Imse-Schilling Sash & Door Co., 21st & Papin, St. Louis, M
Incandescent Burner Co., Arc, gas lamps, 395 Claremont Brooklyn, N. Y.
Incandescent Light Mfg. Co., Council Bluffs, Ia.
Incandescent Light & Stove Co., machsts. & fndrs., Madison Cincinnati, Ohio.
Incandescent Supply Co., gas & elec. fixtures, 726 Mission, Francisco, Cal.
Indelli & Conforti Co., contractors, 847 Bryant av, New Yo
Independence Canning Corp., Independence, Ia.
Independence Corrugated Culv. Co., Independence, Ia.
Independence Electric & Milling Co., flour, Independence, V
Independence Elevator Co., 7th & Wood, Philadelphia, Pa.
Independence Iron Works Co., Independence, Kan.
Independence Shale Brick Plant, Independence, Mo.
Independence Stove & Fdry. Co., mfrs., Independence, Mo.
Independence Veneer & Box Mfg. Co., Ltd., Independence, I
Independent Aetna Sprinkler Co., Phila., Pa., & 78 Cli Chicago, Ill.

dependent Asphalt Paving Co., Seattle, Wash.
dependent Brass Foundry, Louisville, Ky.
dependent Brick Co., Md. Trust Bldg., Baltimore, Md.
dependent Bridge Co., steel constn., May Bldg., Pittsburgh, Pa
dependent Chair Co., 32 Pitts, Boston, Mass.
dependent Coal & Coke Co., Salt Lake City, Utah.
dependent Construction Co., Davenport, Ia., & Terre Haute, Ind.
dependent Cork Co., 574-76 Hamilton av, c. 17th, Brooklyn, N. Y.
dependent Die Co., Brockton, Mass.
dependent Elec. Machy Co., stor. abttery charging sets, 1917 Central, Kansas City, Mo.
dependent Fertilizer Co., Jacksonville, Fla.
dependent Fdry. Co., 743 York, Portland, Ore.
dependent Glass Co., window, Sistersville, W. Va.
dependent Gravel Co., Webb City, Mo.
dependent Guano Co., fertz. mfrs., Greenville, S. C.
dependent Harvester Co., Plano, Ill.
lependent Iron & Steel Co., 24 California, San Francisco, Cal.
dependent Lamp & Wire Co., 1733 B'way, New York.
lependent Lime & Stone Co., Druecker, Wis.
lependent Lumber & Coal Co., Sauk Center, Minn.
lependent Metal Strap Co., 56 Prince, New York.
lependent Motor Co., Youngstown, Ohio.
lependent Motors Corp., Port Huron, Mich.
lependent Oil Co., Mansfield, Ohio.
lependent Oil & Fertz. Wks., Columbus, Miss.
lependent Oil & Grease Co., 268 S. Water, Milwaukee, Wis.
lependent Packers Fertilizing Co., Columbus, Ohio.
lependent Packing Co., meat, 41st & Halsted, Chicago, Ill., & Tulsa, Okla.
lependent Pneumatic Tool Co., pneumatic & electric tools, 600 W. Jackson blvd., Chicago, Ill.
lependent Refining Co., Ltd., Rouseville, Pa., and Oil City, Pa.
ependent Register & Mfg. Co., machsts. & fndrs., 713 Frankfort, Cleveland, Ohio.
lependent Roller Milling Co., flour, North Mountain, W. Va.
lependent Salt Co., 44 Whitehall, New York.
lependent Sheet Metal Co., corn. & skylights, Seattle, Wash.
lependent Stove Co., Owosso, Mich.
lependent Supply Co., mill & facty. supplies, 36 South, New York.
lependent Tack Co., Oil City, Pa.
lependent Trading Co., importers & exporters, 24 California, San Francisco, Cal.
lependent Whip Co., Westfield, Mass.
lerrieden Canning Co., 336 River, Chicago, Ill.
lestructible Ash Can Co., 495 Broome, New York.
lestructible Sign Co., 62 Prescott, Columbus, Ohio.
lestructible Wheel Co., Lebanon, Ind.
ex-Galena Lumber Co., Index, Wash.
ex Republican Co., advtg. nov., Bellefontaine, Ohio.
ex Visible, Inc., filing devices & visible card systems, 441 Chapel, New Haven, Conn.
exo Co., tooth brushes, 33 W. 42d, New York (tr.)
ia Alkali Wks., soap powders & cleaning compds., 28 India Wharf, Boston, Mass.
ia Cocoa Matting Mfg. Co., 86 Butler, Brooklyn, N. Y.
ia Palmette Brush Co., 1274 12th, Detroit, Mich.
ia Rubber Co., hard rubber, New Brunswick, N. J.
ia Rubber Co., tires, Mogadore, Akron, O.
ia Rubber Tire Co., 1512 S. Mich. av, Chicago, Ill.
ia Rubber World, trade publication, 25 W. 45th, New York.
iahoma Refining Co., petroleum & its prod., E. St. Louis, Ill.
lian Head Mills of Ala., Cordova, Ala.
lian Orchard Co., cable cords, tex. machy., warps, Indian Orchard, Mass.
ian Refining Co., asphalt miners, oils, wax, etc., 244 Madison, New York.
lan Sand, Lime, Brick Co., Greenfield, Ind.
lan Territory Illuminating Oil Co., Bartlesville, Okla.
. Air Pump Co., Indianapolis, Ind.
. Asphalt Paving Co., contrs., Indianapolis, Ind.
. Bedford Stone Co., Bedford, Ind.
. Board & Filler Co., Vincennes, Ind.
. Box Co., Elwood, Ind.
. Brass Co., machsts. & fndrs., Frankfort, Ind.
. Brass & Iron Bed Co., Mooresville, Ind.
. Brick Co., Anderson, Ind.
. Bridge Co., steel struct. wk., Muncie, Ind.
. Canning Co., Evansville, Ind.
. Car & Equipment Co., 20 W. Jackson blvd., Chicago, Ill.
. Chemical & Mfg. Co., printing inks, 135 S. East, Indianapolis, Ind.
. Collar Co., Evansville, Ind.
. Concrete Mold Co., curb forms, Peru, Ind.
Condensed Milk Co., canned, Sheridan, Ind.
Creosoting Co., Louisville, Ky.
Die Casting Co., machy., Indianapolis, Ind.
. Drain Tile Co., Brooklyn, Ind.
. Dredging Co., Royal Center, Ind.
Engng. & Constr. Co., Fort Wayne, Ind.
Feather Stamping Co., Williamsport, Pa.
Fan Co., 40 E. South, Indianapolis, Ind.
Flooring Co., 232 Rider av, New York.

Ind. Foundry Co., Indiana, Pa.
Indiana Fuel Supply Co., smoke consumers, Indianapolis, Ind
Ind. Glass Co., Dunkirk, Ind.
Ind. Handle Co., Vincennes, Ind.
Ind. Hollow Ware Co., machsts. & fndrs., Jeffersonville, Ind.
Indiana Illinois Coal Corp., 10 S. La Salle, Chicago, Ill.
Ind. Indestructible Paint Co., 870 W. North av, Chicago, Ill.
Indiana Laboratories Co., Inc., metallurgical engrs., Hammond, Ind.
Ind. Lamp Co., Connersville, Ind.
Ind. Limestone Co., Bedford, Ind.
Ind. Lumber Co., Kokomo, Ind. & Nashville, Tenn.
Ind. Lumber & Mfg. Co., interior woodwork mfrs., South Bend, Ind.
Ind. Mach. Co., middling mills, feed governors, Hagerston, Ind.
Ind. Machine Shop Co., Oroville, Cal.
Ind. Mfg. Co., agricultural implements, Merchants' Bank Bldg., Indianapolis, Ind.
Ind. Match Corp., Crawfordsville, Ind.
Ind. Mould & Mach. Wks., Muncie, Ind.
Ind. Paper Co., pads & tablets, Indianapolis, Ind.
Ind. Paving Brick & Block Co., Brazil, Ind.
Ind. Quarries Co., stone prod., 280 Madison av, New York., & 112 W. Adams, Chicago, Ill.
Ind. Rolling Mill Co., New Castle, Ind.
Ind. Rubber & Insulated Wire Co., P. O. Box 192, Jonesboro, Ind.
Ind. Sewer Pipe Co., Mecca, Ind.
Ind. Shovel Co., New Castle, Ind.
Ind. Silo Co., Anderson, Ind.
Ind. Steel Co., 208 S. La Salle, Chicago, Ill.
Ind. Steel Co., rolling mills, Gary, Ind.
Ind. Steel Products Co., 127 N. Peoria, Chicago, Ill.
Ind. Steel & Wire Co., Muncie, Ind.
Ind. Stove Wks., Evansville, Ind.
Ind. Tank Heater Co., Argos, Ind.
Ind. Tie Co., Evansville, Ind.
Ind. Truck Co., Marion, Ind.
Ind. Veneer & Lbr. Co., Indianapolis, Ind.
Ind. Veneer & Panel Co., New Albany, Ind.
Ind. Wagon Co., Lafayette, Ind.
Ind. Wood Products Co., broom handles, Spencer, Ind.
Ind. Zinc Creosoting Co., Terre Haute, Ind.
Indianapolis Abbattoir Co., meat packers, W. Morris & White River, Indianapolis, Ind.
Indianapolis Alumn. Casting Co., fndrs., Indianapolis, Ind.
Indianapolis Belting & Supply Co., 32 S. Capitol av, Indianapolis, Ind.
Indianapolis Bleaching Co., cotton sheetings, Indianapolis, Ind.
Indianapolis Blue Print & Supply Co., Century Bldg., Indianapolis, Ind.
Indianapolis Bolster Spring Co., 326 W. Georgia, Indianapolis, Ind.
Indianapolis Brass Co., mchsts. & fndrs., Indianapolis, Ind.
Indianapolis Brush & Broom Mfg. Co., 26 Brush, Indianapolis, Ind.
Indianapolis Cable Excavator Co., Indianapolis, Ind.
Indianapolis Casket Co., 521 W. North, Indianapolis, Ind.
Indianapolis Chemical Co., boiler compounds, 1444 Madison av, Indianapolis, Ind.
Indianapolis Coal Co., masons' & bldrs.' matls., 234 Newton, Indianapolis, Ind.
Indianapolis Concrete Co., contrs., Indianapolis, Ind.
Indianapolis Cordage Co., 1959 S. Meridian, Indianapolis, Ind.
Indianapolis Corrugating Co., sheet steel ceilings, incubators & brooders, etc., Indianapolis, Ind.
Indianapolis Dash Co., auto. tops, 2116 S. Meridian, Indianapolis, Ind.
Indianapolis Drop Forging Co., Indianapolis, Ind.
Indianapolis Drug Cabinet Co., Indianapolis, Ind.
Indianapolis Excelsior Machy. Co., Indianapolis, Ind.
Indianapolis Fdry. Co., Indianapolis, Ind.
Indianapolis Glove Co., Indianapolis, Ind.
Indianapolis Mfrs. & Carpenters' Union, lbr. mfrs., Indianapolis, Ind.
Indianapolis Mortar & Fuel Co., 407 Odd-Fellow, Indianapolis, Ind.
Indianapolis Paint & Color Co., Indianapolis, Ind.
Indianapolis Paste Co., Indianapolis, Ind.
Indianapolis Roofing Co., cornices, 155 Kentucky av, Indianapolis, Ind.
Indianapolis Saddlery Co., horse collars, 237 S. Meridian, Indianapolis, Ind.
Indianapolis Sawed Veneer Co., Indianapolis, Ind.
Indianapolis Stove Co., Indianapolis, Ind.
Indianapolis Switch & Frog Co., Springfield, Ohio.
Indianapolis Tent & Awning Co., Indianapolis, Ind.
Indianapolis Terra Cotta Co., Indianapolis, Ind.
Indianapolis Tool & Mfg. Co., machsts., Indianapolis, Ind.
Indianapolis Varnish Co., Indianapolis, Ind.
Indianapolis Wire Bound Box Co., 1300 Bucher, Indianapolis, Ind.
Indianola Cotton Oil Co., Indianola, Miss.
Indicating Calipers Co., 506 E. 19th, New York.
Indicator Instruction Co., engng. school & coll., Newark, N. J.
Indispensable Mfg. Co., lump cord adjusters, San Francisco, Cal.
Individual Drinking Cup Co., paper cups, 220 W. 19th, New York.

Individual Key Ring Co., Hartford, Conn.
Industrial Brick Co., Mount Vernon, Ind.
Industrial Brick Wks., Boonville, Ind.
Industrial Chemical Co., dyestuffs and intermediates, East Providence, R. I.
Industrial Chemical Co., filtchar, blacks, alba, whiting & super. 200 5th av, New York.
Industrial Chem. Co., Massasoit av, Providence, R. I.
Industrial Controller Co., electric controllers & specialties, 890 Greenbush, Milwaukee, Wis.
Industrial Cotton Oil Properties, Houston, Tex.
Industrial Distilling Co., Waterloo, N. Y.
Industrial Elec. Mfg. Co., cooking app., 139 Beanhien, Detroit, Mich.
Industrial Filtration Corp., 115 Broadway, New York.
Industrial Foundry Co., cow watering bowls, St. Johns, Mich.
Industrial Fdry. & Mach. Co., Pottstown, Pa.
Industrial Furnace Corp., 10 Postoffice sq, Boston, Mass.
Industrial Glass Co., glass bottles, Lancaster, N. Y.
Industrial Iron Co., iron & steel wks., 1 Madison av, New York
Industrial Iron Wks., Clinton, Mo.
Industrial Iron Works., machsts. & fdrs., Ludington, Mich., & Union City, Pa.
Industrial Laboratories, Inc., sweeping compounds, Ft. Smith, Ark.
Industrial Lbr. Co., Elizabeth, La.
Industrial Machinery Corp., 147 Provost, Jersey City, N. J.
Industrial Management, The Engineering Magazine, trade publication, 116 W. 32nd, New York.
Industrial Mfg. Co., machsts.—sewing machines, Camden, N. J.
Industrial Minerals Co., Inc., commercial minerals, ores & industrial chemicals, 525 Phelan, San Francisco, Cal.
Industrial Products Co., machsts., 334 N. Irving av, Chicago, Ill.
Industrial Requirements Co., Mill & Facty. supplies, 136 Chestnut, Philadelphia, Pa.
Industrial Rice Mill, Houston, Tex.
Industrial Starch Co., 185 Devonshire, Boston, Mass.
Industrial Steel & Brass Corp., jobbers, 602 W. Lake, Chicago, Ill.
Industrial Supply Co., mill & facty. supplies, Jenkins Arcade, Pittsburgh, Pa., Brazil, Ind., & Keokuk, Iowa, & 41 Broad, New York.
Industrial Supply & Equipment Co., rail benders, braces, joints, etc., 407 Sansom, Phila., Pa.
Industrial Tape Mills Co., tex. machy., supplies, etc., Jasper & Huntington, Phila., Pa.
Industrial Truck Co., storage battery locomotives, tractors & trucks, Holyoke, Mass.
Industrial Welding Co., welded products mfrs., 207 Guilford av, Baltimore, Md.
Industrial Wire & Metal Wks., 95 High, Newark, N. J.
Industrial Works, wrecking cranes, 11th & Wash., Bay City, Mich.
Industry File Works, Cleveland, Ohio.
Infanger, Chas., architect, 2634 Atlantic av, Brooklyn, N. Y.
Ingalls & Co., binders' board, Castleton, N. Y.
Ingalls, Harry C., architect, 347 Madison av, New York.
Ingalls Iron Wks. Co., struct'l and steel, Birmingham, Ala.
Ingalls & Kendricken, htg. contrs., 47 Bowker, Boston, Mass.
Ingalls-Shepard Forging Co., 322 S. Mich. av, Chicago, Ill.
Ingalls Stone Co., Belford, Ind.
Ingemann Co., contractors, 1930 St. Anthony av, St. Paul, Minn.
Ingersoll Constr. Co., 324 Fourth av, Pittsburgh, Pa.
Ingersoll Engng & Constr. Co., 70 E. 45th, New York.
Ingersoll, J. H., & Co., canned goods, Exeter, N. H.
Ingersoll Milling Machine Co., Rockford, Ill.
Ingersoll, O. W., paint mfrs., 243 Plymouth, Bklyn, N. Y.
Ingersoll Paper Co., Troy, N. Y.
Ingersoll-Rand Co., fndrs. & pneumatic machy. mfrs., 11 B'way, New York. *See adv. index at end of book.*
Ingersoll-Rand Drill Co., 300 N. B'way, St. Louis, Mo.
Ingersoll, Robt. H., & Bro., watches, toys, tire pumps, etc., 315 4th av, New York.
Ingersoll Shingle Mfg. Co., Shelton, Wash.
Ingersoll Stouffer Engng. Co., Marshalltown, Iowa.
Ingerson & Glaser Co., stained glass, 1739 Sacramento, San Francisco, Cal.
Ingham & Boyd, architects, Vandergrift Bldg., Pittsburgh, Pa.
Ingham Lumber Co., Long Bldg., Kansas City, Mo.
Ingle, John W., architect, 527 5th av, New York.
Ingle Machine Co., gear tooth rounding machy., 371 St. Paul, Rochester, N. Y.
Ingle Mfg. Co., stove mfrs. & mchsts., San Diego, Cal.
Inglee, Lewis, architect, Amityville, New York.
Inglis Mfg. Co., gasoline pumps, 285 5th av., Milwaukee, Wis.
Inglis, Wm., Wire & Iron Wks., 61 Woodbridge av, Detroit, Mich.
Ingold, F. B., masons & bldrs. matls,, Hickory, N. C.
Ingraham, A. S. Co., plating works, Attleboro, Mass.
Ingraham, E. Co., alarm clocks, Bristol, Conn.
Ingraham, George Hunt, architect, 1127 Guardian bldg, Cleveland, Ohio.
Ingraham, T., & Co., mill & fcty. supplies, 1539 Columbus rd, Cleveland, O.
Ingraham Waste & Supply Co., mill & facty. supplies, 1539 Columbus rd, Cleveland, O.
Ingraham, Wm. B., contractor, Uniontown, Pa.
Ingram, A. P., lbr., Lewes, Del.
Ingram & Co., brick, New Brighton, Pa.
Ingram-Day Lbr. Co., Lyman, Miss.
Ingram, J. D., lbr., McBee, S. C.
Ingram-Richardson Mfg. Co., Enameled Iron Signs, Beaver Falls, Pa. *See adv index at end of book*
Ingram, W. H., cooking apparatus, coppersmiths, 106 N 3d, Philadelphia, Pa.
Ingram, W. T., sand & gravel, Jeffersonville, Ind.
Ink Ribbon Mfg. Co., typewriter ribbon & carbon paper, 635 Howard, San Francisco, Cal.
Inlaid Floor Co., mfrs. of ornamental floors, interior woodwork, grills & weather strips, 600 Alabama, San Francisco, & 4067 Watts, Emeryville, Cal.
Inlaid Slate Co., roofing, Pen Argyl, Pa.
Inlaid Slate Co., Wickliffe, Newark, N. J.
Inland Casket Co., Spokane, Wash.
Inland Coal Co., bituminous, Greensburg, Pa.
Inland Construction Co., 4411 S. Grand av, St. Louis, Mo.
Inland Crystal Salt Co., Salt Lake City, Utah.
Inland-Delray Salt Co., Telegraph Bldg., Detroit, Mich.
Inland Elec. Co., 211 Chestnut, St. Louis, Mo.
Inland Iron Co., mill & facty. supplies, & whol. hdwe., Fresno, Cal.
Inland Knitting Works, Knitted Gloves, Green Bay, Wis.
Inland Machine Works, 17th & Locust, St. Louis, Mo.
Inland Malleable Iron & Steel Co., castings, Terre Haute, Ind.
Inland Portland Cement Co., see Lehigh Portland Cement Co. (successor).
Inland Printer, trade publication, 632 Sherman, Chicago, Ill.
Inland Steel Co., steel works, 38 S. Dearborn, Chicago, Ill.
Inland Supply Co., mill & fcty. & plbrs.' supplies, Danville, Ill.
Inland White Lead Co., paint mfrs., 741 Boston av, Chicago, Ill.
Inman Box Co., pckg. box mfrs., 2d & Delaware, Kansas City, Mo.
Inman Mfg. Co., mchsts. & fndrs., Amsterdam, N. Y.
Inman Mills, cotton sheetings, Inman, S. C.
Inman Poulsen Lbr. Co., ft. of E. Caruthers, Portland, Ore.
Inman Tile Co., common brick, Millgrove, Ind.
Inner Braced Furniture Co., desks, Elkhart, Ind.
Innes & Co., congogum, 132 Front, New York.
Innis, Speiden & Co., Inc., chemicals, 46 Cliff, New York *See adv. index at end of book.*
Innovation Electric Co., hand & power vacuum cleaners, 585 Hudson, New York.
Innovation Trunk Co., trunk mfrs., 3 Canal pl, New York.
Insecticide Co., Phelan Bldg., San Francisco, Cal.
Insinger Co., machsts., Stenton av, Phila., Pa.
Inskeep Mfg. Co., gloves, Washington, Ohio.
Insley, G. C., canned goods, Lakesville, Md.
Insley Mfg. Co., derricks, hoists, etc., bldrs., 3500 E. St. Clair, Indianapolis, Ind.
Insley & Mitchell, canned goods, Salisbury, Md.
Instantaneous Glue Converter Co., glue heaters, 3752 Montgomery av, Norwood, Cincinnati, Ohio.
Instantaneous Water Htg. Co., Kalamazoo, Mich.
Institute of Applied Arts, engng. schools & coll., Cincinnati, O
Insulatine Co., wax, insulating compounds, 1 B'way, New York
Insulating Materials Co., commutator compounds, 805 Wesson av, Detroit, Mich.
Insulation Co., Inc., insulating, fireproofing & waterproofing comp'ds, 190 Culver av, Jersey City, N. J.
Insulator Arrester Co., Duluth, Minn.
Insulite Chemical Co., waterproof mtls., Aurora, Ill.
Insull, Thos., coil, spiral & elliptic springs, 1439 Hutchinson Philadelphia, Pa.
Insurance Fdry. Co., Covington, Ky.
Insurance Packing Mills, case linings, Brockton, Mass.
Integral Waterproofing Co., cement waterproofing material, 8 Front, New York .
Integrity Const. Co., Lincoln Bldg., Philadelphia, Pa.
Interboro Medal & Bodge Co., 16 Maiden Lane, New York.
Interborough Plumbing Supply Co., 3923 3d av, New York.
Interborough Sash & Door Co., 340 Junius, Brooklyn, N. Y.
Inter-Continental Machy. Corp., 165 B'way, New York.
Interior Hardwood Co., oak flooring, 1334 Beecher, Indianapolis Ind.
Interior Lumber Co., Keenan Bldg., Pittsburgh, Pa.
Interior Woodwork Co., 523 Park, Milwaukee, Wis.
Interlaced Parquetry Co., parquet floors, 13 Lawrence, New York
Interlake Pulp & Paper Co., Appleton, Wis.
Interlaken Mills, book cloth, shade cloth mfrs., Turks Hea Bldg., Providence, R. I.
Interlocked Metallic Hose Co., Orchard & Scott, Newark, N. J.
Interlocking Fence Co., Morton, Ill.
Intermountain Bridge & Constr. Co., Tecumseh, Neb.
Intermountain Concrete Co., contractors, Ogden, Utah.
International Agricultural Corp., fertilizer mfrs., 61 Broadway New York.
International Arms & Fuse Co., annunciators, Bloomfield, N. J
International Art Publishing Co., 1201 Race, Phila., Pa.
International Asphalt Co., 133 W. Washington, Chicago, Ill.
International Ball & Roller Bearing Co., machsts., 1283 Niagara Buffalo, N. Y.
International Battery Co., 453 Broome, New York.
International Bedding Co., mattresses, Guilford & Charles av Baltimore, Md.
International Boiler Cleaning Co., 343 N. Calvert, Balto., Md.

nternational Boiler Compound Co., 144 W. Austin av, Chicago, Ill.
nternational Boiler Wks. Co., tanks, etc., East Stroudsburg, Pa.
nternational Braid Co., 47 Charles, Providence, R. I.
nternational Brass & Elec. Co., 76 Beekman, New York.
nternational Brick Mach. Co., Binghamton, N. Y.
nternational Button Co., Rochester, N. Y.
nternational Cable Directory Co., publishers, 17 State, New York.
nternational Carbon Co., typewriter ribbons, 100 Grand, New York.
nternational Carbon Products Co., graphite refiners, 230 W. 12th, New York.
nternational Casement Co., window frame & sash, Jamestown, N. Y.
nternational Chemical Co., Camden, N. J.
nternational Cigar Machy. Co., 5520 2d av, Brooklyn, N. Y.
nternational Clay Machinery Co., Dayton, Ohio.
nternational Coal Products Corp., South Clinchford, Va.
nternational Composition Co., marine paints, 18 B'way, New York.
ternational Concentrator Co., ore, 149 B'way, New York.
nternational Confectioner, trade publication, 109 Lafayette, N. Y.
nternational Cork Co., 99 Sutton, Brooklyn, N. Y.
nternational Cotton Mills, tire fabrics, 60 Federal, Boston, Mass.
ternational Couplers Co., 239 Fourth av, Pittsburgh, Pa.
ternational Creosoting & Canstr. Co., Gelveston, Tex.
ternational Diamond Drill Contracting Co., Spokane, Wash.
ternational Distilling Co., Ltd., Pine & Gent'l Hood, New Orleans, La.
ternational Ditching & Road Machy. Co., Owensboro, Ky.
ternational Elec. Mfg. Co., melting pots, Indianapolis, Ind.
ternational Engng. Wks., machy. dlrs., 15 Park Row, New York.
ternational Engineering Wks., machsts., grate bars, steel tanks, etc., Framingham, Mass.
ternational Equip't Co., centrifugals, 352 Western av, Boston, Mass.
ternational Extract & Color Co., Utica, N. Y.
ternational Fabricating Corp., auto & spec. machy., 99 John, New York.
ternational Filter Co., 38 So. Dearborn, Chicago, Ill.
ternational Fire Proofing Paint Corp., 61 B'way, New York.
ternational Floor Mach. Co., 149 W. 36th, New York.
ternational Fdry., 6601 Morgan av, Cleveland, O.
ternational Glass Co., Millville, N. J.
ternational Glue Co., 201 Devonshire, Boston, Mass.
ternational Guarantee Roofing Co., cornices & skylights, 165 Lexington av, New York.
ternational Harness Machy. Co., 708 B'way, Cincinnati, Ohio.
ternational Harvester Co. of America, Harvester Bldg., Chicago, Ill.
ternational Heater Co., Utica, N. Y.
ternational High Speed Steel Co., tool steel, hollow & solid rock drill steel, 99 Nassau, New York. Works, Rockaway, N. J.
ternational Incandescent Lamp Works, 80 Bergenline av, Union Hill, N. J.
ternational Instrument Co., 23 Church, Cambridge, Mass.
ernational Insulating Corp., 25 W. 45th, New York.
ternational India Rubber Corp., South Bend, Ind.
ternational Insulation Co., insulating materials, International Falls, Minn.
ternational Lead Refining Co., pig lead, East Chicago, Ind.
ernational Leather & Belting Corp., Atlanta, Ga.
ernational Lime Co., Sumas, Wash.
ternational Lubricants Co., Ltd., compounds, greases, etc., 350 N. Clark, Chicago, Ill.
ernational Lumber Co., 11 So. La Salle, Chicago, Ill. & 600 Andrews Bldg., Minneapolis, Minn.
ernational Mach. & Screw Co., Springfield, Mass.
ernational Machine Tool Co., 1124 W. 21st, Indianapolis, Ind.
ernational Mach. Tool Co., tapping mach., milling cutters, etc., Society for Savings Bldg., Cleveland, O.
ernational Mailing Tube & Wrapper Co., 212 Concord, Brooklyn, N. Y.
ernational Mfg. Co., machsts., seed cleaners, Crestline, Ohio.
ernational Marine Engin'g, trade publication, 6 E. 39th, New York.
ernational Metal Polish Co., Quill & Belt Ry., Indianapolis, Ind.
ernational Mill & Timber Co., house manufactures, Salzburg & M. C. R. R., Bay City, Mich.
ernational Molding Mach. Co., 2614 W. 16th, Chicago, Ill.
ernational Money Machine Co., adding, Terre Haute, Ind.
ernational Motor Co., machsts., 252 W. 64th, New York.
**TERNATIONAL NICKEL CO.**, monel metal, 43 Exch. pl, New York. *See adv index at end of book*
ernational Oil Refining Co., 1001 S. Wabash av, Chicago, Ill.
ernational Oxygen Co., gas mfrs., 796 Frelinghuysen av, Newark, N. J.
ernational Packing Mach. Co., 434 E. 71st, New York.
ernational Paper Box Mach. Co., Nashua, N. H.
ernational Paper Co., 30 Broad, New York.
ernational Portland Cement Co., Spokane, Wash.
International Postal Supply Co., machsts., 634 Prospect pl, Brooklyn, N. Y.
International Pottery Co., Trenton, N. J.
International Process Co., digesters, paper & pulp mill machy., 5 Beekman, New York.
International Products Co., paint, 69 Church, Buffalo, N. Y.
International Provision Co., 33 Degraw, Brooklyn, N. Y.
International Pulp Co., clays, minerals, etc., 41 Park Row, New York.
International Refining Co., naphtha, Columbus, Ohio.
International Register Co., trolley arc lamp cords, cane fans, registers, badges, emblems, etc., 15 Throop, Chicago, Ill.
International Rice Mills Co., Eagle Lake, Tex.
International Roll Paper Co., North Manchester, Ind.
International Roofing Mfg. Co., 5301 S. Western av, Chicago, Ill.
International Rubber Co., 120 B'way, New York.
International Safety Razor Corp., Bloomfield, N. J.
International Salt Co., Scranton, Pa.
International Scale Co., Dayton, Ohio.
International Seal & Knot Protector Co., 133 Mercer, New York.
International Seal & Lock Co., Hastings, Mich.
International Seed Co., Rochester, N. Y.
International Ship Fittings & Supply Corp., 212-214 Fulton, Brooklyn, N. Y. *See adv index at end of book*
International Shipbldg. & Marine Engng. Corp., Nyack, N. Y.
International Sign Co., glass, 1276 W. 3rd, Cleveland, O.
International Silica Co., miners & millers, Cairo, Ill.
International Silo Co., Linesville, Pa.
International Silver Co., sterling silver ware, Meriden, Conn.
International Slate Co., Slatington, Pa.
International Smelting Co., 42 B'way, New York.
International Sprinkler Co., automatic fire sprinklers, 123 William, New York.
International Steel & Iron Co., Evansville, Ind.
International Steel Tie Co., 16702 Waterloo av, Cleveland, Ohio.
International Stereograph Co., lantern slides, Decatur, Ill.
International Sugar Feed Co., 15 Av, S. E. & Rollins, Minneapolis, Minn.
International Supply Co., soap makers, Second & Bent, Cambridge, Mass.
International Tag Co., 325 N. Whipple, Chicago, Ill.
International Time Recording Co., self-winding clocks, Endicott, N. Y.
International Trade Developer, publications, 168 N. Michigan av, Chicago, Ill.
International Ultramarine Wks., ultramarine blues, 115 Leonard, New York.
International Vegetable Oil Co., Atlanta, Ga.
International Window Mfg. Co., 2007 W. Allegheny av, Philadelphia, Pa.
Interocean Barge & Transport Co., Seattle, Wash.
Interocean Cabinet Co., special cabinet work, 320 S. Pauline, Chicago, Ill.
Interocean Oil Co., 90 West, New York.
Inter-Ocean Oil Co., lubricating oils, 171 N. Green, Chic., Ill.
Inter-State Auto. & Supply Co., metal polish, Sioux City, Ia.
Interstate Bottle Stopper Co., 168 39th, Brooklyn, N. Y.
Interstate Bridge Forge & Mfg. Co., mine cars, hoisting machy., railing, cranes, trucks, etc., 207 Market, Newark, N. J.
Interstate Building Material Co., Union City, Ind.
Inter-State Car Co., Indianapolis, Ind.
Interstate Chem. Co., soap, compounds, 657 Garfield av, Jersey City, N. J.
Interstate Constr. Co., Derby, Conn., & 29 Weybosset, Providence, R. I.
Interstate Contract Co., Bates Bldg., Portland, Ore.
Interstate Contrg. & Supply Co., stone prod., East St. Louis, Ill.
Interstate Cooperage Co., 56 New, New York.
Inter-State Cornice Wks., Sioux City, Iowa.
Interstate Elec. Nov. Co., elec. lamp flashlights, 104 S. 4th, Brooklyn, N. Y.
Inter-State Engine & Tractor Co., farm implements, Waterloo, Ia.
Interstate Equip't Co., concrete mixers, South Bend, Ind.
Interstate Equip't Corp., wire rope, tramways, 7 Pine, New York.
Interstate Fire Clay Co., Citizens Bldg., Cleveland, Ohio.
Interstate Foundry Co., E. 61st & Erie R. R., Cleveland, Ohio.
Interstate Hardware & Supply Co., Bristol, Tenn.
Interstate Iron & Steel Co., 104 S. Mich. av, Chicago, Ill.
Interstate Limestone Co., Youngstown, Ohio.
Interstate Lumber Co., Quitman, Ga., Stillwater, Minn., & The Arcade, Cleveland, Ohio.
Interstate Machine Products Co., force feed lubricators, fire horns, 56 Allen, Rochester, N. Y.
Interstate Machinery Co., Troy, N. Y.
Interstate Material Co., masons' & bldrs.' matls., Davenport, Ia.
Interstate Motor Co., Muncie, Ind.
Interstate Packing Co., meat, Winona, Minn.
Interstate Roofing & Foundry Co., Anniston, Ala.
Interstate Rubber Co., Spokane, Wash.
Interstate Shade Cloth Co., Hoboken, N. J.
Interstate Stone Co., Lima, Ohio.
Interstate Tractor Co., gas engines, Waterloo, Ia.
Intertype Corp., typesetting machines, 50 Court, Brooklyn, N. Y.
Introstile Mfg. Co., nail boxes, twine holders, Marietta, Ohio.
Invader Oil Co., graphite lubricants & greases, 76 Pearl, New York.

Inverness Mills Co., cotton sheetings, Winston-Salem, N. C.
Invincible Blow Pipe Co., 2527 Homer, Chicago, Ill.
Invincible Grain Cleaner Co., grain cleaning machy., Silver Creek, N. Y.
Invincible Mfg. Co., belt dressing, Central Nat'l Bank Bldg., Columbus, O
Invincible Mfg. Co., vacuum clnrs., Point Power Bldg., Pittsburgh, Pa.
Invincible Metal Furn. Co., filing cabinets & devices, Manitowoc, Wis.
Invincible Vacuum Clnrs. Mfg. Co., Canal Dover, O.
Invisible Roll Screen Co., East av, Long Island City, N. Y.
In-Vu Mfg. Co., mail receptacles, Rochester, N. Y.
Iola Brick Co., Iola, Kan.
Iona Ventilator Co., 2319 N. Laura, Philadelphia, Pa.
Ione Firebrick Co., Monadnock Bldg., San Francisco, Cal.
Ionia Fine Art Pottery, domestic china, Trenton, N. J.
Ionia Pottery Co., Ionia, Mich.
Iowa Boiler Works, Des Moines, Ia.
Iowa Brass Fdry., Waterloo, Ia.
Iowa Bridge Co., Des Moines, Ia.
Iowa Canning Co., Vinton, Ia.
Iowa City Canning Co., Iowa City, Ia.
Iowa City Iron Wks., mill & facty. supplies, Iowa City, Ia.
Iowa Coffin Co., Dubuque, Ia.
Iowa Constr. & Engineering Co., Engng. Co., Davenport, Ia.
Iowa Fdry. Co., Sioux City, Ia.
Iowa Fdry. & Mfg. Co., Fort Dodge, Ia.
Iowa Gasoline Engine Co., Waterloo, Ia.
Iowa Gate Co., Cedar Falls, Ia.
Iowa Lumber Co., Waterloo, Ia.
Iowa Mach. Works, Works, Clinton, Ia.
Iowa Machy. & Supply Co., Des Moines, Ia.
Iowa Malleable Iron Co., Fairfield, Ia.
Iowa Motor Truck Co., Ottumwa, Ia.
Iowa Packing Co., meats, Des Moines, Ia.
Iowa Paint Mfg. Co., truck units, Fort Dodge, Ia.
Iowa Pipe & Tile Co., flue linings, Des Moines, Iowa.
Iowa Pure Iron Culvert Co., Des Moines, Ia.
Iowa Soap Co., Burlington, Ia.
Iowa Soda Products Co., Council Bluffs, Ia.
Iowa Spreader & Engine Co., Waterloo, Ia.
Iowa Steel & Iron Works, Cedar Rapids, Ia.
Iowa Stone Co., Cedar Rapids, Ia.
Iowa Sugar Co., Waverly, Ia.
Iowa Tank & Silo Co., silos & fixtures, Waterloo, Iowa.
Iowa Valley Canning Co., Marengo, Ia.
Iowa Valve Co., Oskaloosa, Ia.
Iowa Wind Mill & Pump Co., Cedar Rapids, Ia.
Iredell, Leslie N., architect, Littlefield Bldg., Austin, Tex.
Ireland, Bertram, architect, Atlantic City, N. J.
Ireland, C. L., contractor, Van Wert, Ohio.
Ireland & Helfrich, agricultural implements, Spencerport, N. Y.
Ireland Machine & Foundry Co., "Ireland" Wood Saving Machines, saw mills and hoists. *See adv index at end of book.*
Ireland Mfg. Co., machinery, Washington, C. H., Ohio.
Ireland & Matthews Mfg. Co., machsts. & sheet metal goods mfrs., Beard & Chatfield, Detroit, Mich.
Ireland, Robt. D., & Co., elec. fix., 278 Boylston, Boston, Mass.
Ireland & Rollings, sashes, doors & blinds contr., Fort Scott, Kans.
Ireland, W. H., stone producers, 1220 Filbert, Philadelphia, Pa.
Irene Mills, towels, damasks, cotton, Gaffney, S. C.
Ireson, Chas. L., mill & facty. supplies, 221 High, Boston, Mass.
Irey, John H., cement silos & block molds, West Liberty, Ia.
Irish Bros. Co., die, blocks & cutting boards, Buckfield, Me.
Irish, Geo., Paper Co., Buffalo, N. Y.
Irish, W. F., Elec. Supplies, conduit pipe hanging clamps, road oilers, tank switches, etc., 130 W. 32nd, New York.
Iron Age, trade publications, 239 W. 39th, New York.
Iron City Brick & Stone Co., common, Stanton & McCandless av, Pittsburgh, Pa.
Iron City Electric Co., mine supplies, Pittsburgh, Pa.
Iron City Foundry Co., Lebanon, Pa.
Iron City Grate Bar Co., Warren, Ohio.
Iron City Heating Co., contrs., 843 Jackson, Pittsburg, Pa.
Iron City Lumber Co., Birmingham, Ala.
Iron City Oil & Varnish Co., Inwood & Frankstown, Pittsburgh, Pa.
Iron City Roofing Co., cornices & skylights, 6943 Frankstown av, Pittsburgh, Pa.
Iron City Sand Co., Bessemer Bldg., Pittsburgh, Pa.
Iron City Sanitary Mfg. Co., bath tubs, machsts. & fndrs., Oliver Bldg., Pittsburgh, Pa.
Iron City Spring Co., carriage, 2920 Smallman, Pittsburgh, Pa.
Iron City Stone & Constr. Co., Wilkinsburg, Pa.
Iron City Stove & Fdry. Co., grey iron castings, Bristol, Va.
Iron City Tool Wks., Ploe anvils, spike pullers, 3201 Smallman, Pittsburgh, Pa.
Iron Clad Gas Mantle Co., Canton, Ohio.
Iron Clad Joint Co., expansion ball & flexible joints, 120 W. 42nd, New York, & 400 Godchaux Bldg., New Orleans, La.
Iron Clad Mfg. Co., waste cans, 178 Cook, Brooklyn, N. Y.
Iron Crib & Bin Co., Wooster, Ohio.
Iron Hydroxide Co., oxide of iron, Philadelphia, Pa.
Iron Ledge Co., contrs., 320 North av, Bridgeport, Conn.
Iron Ore Corp., mineral imps., 11 B'way, New York.
Iron Products Co., sheet metals, stamping, Columbus, Ohio.
Iron Ridge Canning Co., Iron Ridge, Wis.
Iron Spec. Co., junction boxes, 2098 3rd av, New York.
Iron Trade Review, trade publication, E. 12th & Chestnut, Cleveland, Ohio.
Iron & Steel Products Co., machsts.' tools & mill supplies, 2337 S. Michigan av, Chicago, Ill.
Ironbound Hdwe. & Supply House, 228 Ferry, Newark, N. J.
Ironclad Incubator Co., Racine, Wis.
Ironclay Brick Co., Columbus, Ohio.
Irondequoit Coal & Supply Co., masons' & bldrs.' matls., Irondequoit, N. Y.
Ironite Co., waterproof matl. mfrs., 111 W. Washington, Chicago, Ill.
Irons & Todd, contractors, 101 Park av, New York.
Ironsides Co., lubricants, etc., Columbus, Ohio.
Ironsides Pottery Co., sanitary earthenware, Bordentown, N. J.
Ironton Cross Tie Co., Ironton, Ohio.
Ironton Engine Co., Ironton, Ohio.
Ironton Incandescent Light & Supply Co., gas stoves, Ironton, Ohio.
Ironton Lumber Co., Ironton, Ohio.
Ironton Portland Cement Co., Ironton, Ohio.
Ironton Punch & Shear Co., Ironton, Ohio.
Ironton Roofing & Corrugating Co., Ironton, Ohio.
Ironton Wood Mantel Co., Ironton, Ohio.
Iroquois Auto. Top Co., bow separators, Utica, N. Y.
Iroquois Bag Co., Buffalo, N. Y.
Iroquois Canning Co., Onarga, Ill.
Iroquois China Co., Solvay, N. Y.
Iroquois Door Co., sash, door & blind mfrs., Buffalo, N. Y.
Iroquois Engng. Co., 343 S. Dearborn, Chicago, Ill.
Iroquois Fndries, Inc., white metal, aluminum, brass & bronze castings, 474 Genesee, Utica, N. Y.
Iroquois Iron Co., 3267 E. 95th, Chicago, Ill.
Iroquois Nipple Wks., iron pipe nipples, 306 Genesee, Buffalo, N. Y.
Iroquois Pulp & Paper Co., Thomson, N. Y.
Irvin, Jewell & Vinson Co., plate glass, paint mfrs., Dayton, Ohio.
Irvin, R. J. Mfg. Co., auto. windshields, Indianapolis, Ind.
Irvin, Richard, architect, Union Bk. Bldg., Pittsburgh, Pa.
Irvin, Richard, & Co., architects, Commerce Bldg., Erie, Pa.
Irvine & Jachens, badges & emblems, 1027 Market, San Francisco, Cal.
Irvine, Jas., flour, Wash., Ky.
Irvine & Muir Lbr. Co., Willets, Cal.
Irvine, Robt. C., lumber, Hollidaysburg, Pa.
Irving & Ackert, contrs., Poughkeepsie, N. Y.
Irving Canning Co., La Conner, Wash.
Irving & Casson, wood mantels, 573 Boylston, Boston, Mass.
Irving Cut Glass Co., Honesdale, Pa.
Irving, E. A., contractor, 3821 Spring Grove av, Cincinnati, Ohio.
Irving Iron Works Co., grating-subway, 3d, Long Island City, N. Y.
Irving, J. S., masons' & bldrs.' matls., Westfield, N. J.
Irving Mfg. Co., crinoline, book cloth, 23 Jersey, New Brighton, S. I., N. Y.
Irving Mfg. & Tool Co., 157 Chambers, New York.
Irving, Newell, Constr. Co., Watervliet, N. Y.
Irving Park Sash & Door Co., 4254 N. Crawford av, Chicago, Ill.
Irving-Pitt Mfg. Co., loose leaf devices, Kansas City, Mo.
Irving, W. A., packing box mfrs., Salem, Mass.
Irvington Bldg. Co., Law Bldg., Indianapolis, Ind., & Irvington, N. J.
Irvington Coal & Lime Co., masons' & bldrs.' matl., 5643 Bonna av. (Irvington), Indianapolis, Ind.
Irvington Mfg. Co., machsts., Irvington, N. J.
Irvington Mill & Elevator Co., Irvington, Ky.
Irvington Packing Co., canned goods, Irvington, Va.
Irvington Smelting & Refining Wks., Irvington, N. J.
Irvington Varnish & Insulator Co., Irvington, N. J.
Irvona Coal & Coke Co., bituminous, Rosebud, Pa.
Irwin Auger Bit Co., Wilmington, Ohio.
Irwin Foundry & Mine Car Co., Irwin, Pa.
Irwin Gas Coal Co., bituminous, Greensburg, Pa.
Irwin, H. C., masons' & bldrs.' matls., Springfield, Ill.
Irwin, John B., contractor, Sault Ste. Marie, Mich.
Irwin, Jno. W. (Est. of), lbr. mfrs., Goshen, Ind.
Irwin Leather Gds. Co., razor strops, 30 W. Monroe, Chicago, Ill.
Irwin & Leighton, contractors, 126 N. 12th, Philadelphia, Pa.
Irwin Mfg. Co., clothes washing machs., Front & Pike, Cincinnati, Ohio.
Irwin, Paul W., architect, Renshaw Bldg., Pittsburgh, Pa.
Irwin, R. J., machinist, Steubenville, Ohio.
Irwin, S. C., architect, Chamber of Com. Bldg., Tacoma, Wash.
Irwin, Thos. W., Mfg. Co., cornices & skylights, 307 Cremo, Pittsburgh, Pa.
Irwin, Wm. R., contractor, Mason City, Ia.
Isaac, Hyman, Sons Co., scrap iron & steel, Elizabeth, N. Y.
Isaacs, A., & Co., sponges & chamois imp., 58 Beekman, New York.
Isaacs, R. D., & Son, contractors, Wilkes-Barre, Pa.
Isaacs, S., & Co., glue & gelatine mfrs., 100 William, New York.
Isaacson, L. G., Co., mill & facty. supplies, wholesale hdwe., Aberdeen, Wash.

)n, P. A., contractor, Ogden, Utah.
, J. A., wood handles, Baxter, Tenn.
Porter Co., gas works apparatus & contr., 46 Bridge, ewark, N. J.
autz Co., silicia, 46 Cliff, New York.
Chemical Co., chemical mfrs., 46 Cliff, N. Y.
Meyer, contractor, 481 E. 174th, New York.
itz, Morris, scrap iron & steel, Reading, Pa.
A. W., & Son, hammers, tools, etc., 51 Pitt, Boston, Mass.
Samuel, contractor, Monroe, Wis.
rg Bedding Co., mattresses, Wilmington, Del.
rg Bros., Baraboo, Wis.
rg & Krevitzkin, contractors, 54th & Springfield, Philadelphia, Pa.
e, Wm., & Co., machsts. & fndrs., Portland, Ore.
ein, Otto, & Co., essential oils, varnish gums, etc., 132 ront, New York.
g, W. H., & Son, brick contractors, Greensburg, Ind.
H'dwe Co., who. h'dwe., Burlington, Vt.
, Norman M., architect, Grosvenor Bldg., Providence, R. I.
, Phillips, pig iron & coke dlrs., 55 Liberty, New York.
ood, J. W., architect, 17 Battery pl., New York.
E., Corp., chemicals, 70 Warren, New York.
Co., elec. refrigerating machinery, 111 W. Washington, hicago, Ill.
Box Co., packing, Haverhill, Mass.
Creek Coal Co., Holden, W. Va.
Lake Lbr. Co., Northome, Minn.
Mfg. Co., lumber, Couperville, Wash.
Mill Lbr. Co., Alpena, Mich.
Paper Co., Carthage, N. Y., & Menasha, Wis.
Petroleum Co., lubrg. oils, Keyser Bldg., Baltimore, Md.
br. Co., Tacoma, Wash.
d Plant Publish. Co., trade, 366 5th av, New York.
Bros. Iron & Metal Co., scrap, Dayton, Ohio.
David, wood tanks, 94 Mangin, New York.
uth, George, architect, Huron, S. D.
Warren Co., levels, 136 N. 12th, Philadelphia, Pa.
Marble Mosaic Co., mosaic mantels, 431 Spruce, Philalphia, Pa.
Mosaic & Marble Co., Buffalo, N. Y.
Cotton Oil Co., meal, Italy, Tex.
Cotton Mfg. Co., Itasca, Tex.
Lbr. Co., 827 Lbr. Ex., Minneapolis, Minn.
Paper Co., Grand Rapids, Minn.
Roller Mills & Elevator Co., flour, Itasca, Tex.
Calendar Clock Co., Ithaca, N. Y.
Glass Mfg. Co., Spring City, Pa.
Gun Co., shot guns, Ithaca, N. Y.
. Rubber Co., heels, Elyria, Ohio.
ich, G., & Co., stone producers, 916 Harrison, Indianolis, Ind.
Chas., contractor, Hazleton, Pa.
Anthony, Brick Co., Odd Fellows Bldg., St. Louis, Mo.
Wm. B., architect, Bd. of Education Bldg., St. Louis, Mo
e-Regent Works of G. E. Wks., lamp reflectors, 5716 uclid av, Cleveland, Ohio.
Wm. H., Sons Co., terra cotta, clayworking, pottery machinery, etc., Trenton, N. J.
lass Co., milk bottle caps, Columbus, Ohio.
ohn, & Co., contractors, Bradford, Pa.
F., & Son, carriages, Cambridge, Mass.
& Pond Piano Co., 114 Boylston, Boston, Mass.
Bros., machinists, Salinas, Cal.
n, E., & Sons, contractors, 175 W. Jackson Blvd., Chigo, Ill.
J. B., lumber, Forks, Wash.
Edwin J., archit., Boston Bldg., Seattle, Wash.
I. B., Co., hdwe. mfrs., New Haven, Conn.
D., mattresses, Binghamton, N. Y.
oyal T., Co., textile machy. supplies, New Brunswick, J.
fg. Co., elec. pumps, 203 Hanover, Baltimore, Md.
fg. Co., motorcycle parts & connecting rods, Oswego, N. Y
fg. Corp., mechl. toys, Bridgeport, Conn.
Raymond H., elec. contr., Fairfield, Conn.
W. A., Mfg. Co., machsts. & fndrs., auger bits, screw ivers, etc., Wallingford, Conn.
Wallace L., machsts. & fndrs., Sturgeon Bay, Wis.
Ellwood, Tube Wks., Oak Lane Sta., Philadelphia, Pa.
Handle Co., Hope, Ark.
J. C., contractor, Altoona, Pa.
id Co., Inc., dice, dominoes, etc., 200 5th av, New York.
Bros. bush hooks, Streator, Ill.
Bros., machsts., South Bend, Ind.
. Furniture Co., kitchen cabinets, Goshen, Ind.
. Handle Mfg. Co., Dexter, Mo.
. Pump & Mfg Co., 957 N. 9th, Philadelphia, Pa.
n, Chas., Cornice & Roofing Co., cornices & skylights, 17 3rd av, New York
Bros., dough mixing machines, 10 Leonard, New York.
Jill Co., seesaws, 211 Calumet, St. Louis, Mo.
Evans Mfg. Co., stove pipes, currycombs, Main & Tyler, . Louis, Mo.
n, W. J., guy anchors, Lima, Ohio.
oro Mill & Elevator Co., flour, Jacksboro, Tex.
oro Oil & Milling Co., meal, Jacksboro, Tex.

Jackson, A. D., Saddlery Co., horse collars, Benton, Ill.
Jackson, A. R., Kansas City Show Case Wks. Co., 620 E 3d, Kansas City, Mo.
Jackson, Allen W., architect, Equitable Bldg., Boston, Mass.
Jackson, Arthur C., architect, 25 Madison av, New York.
Jackson Automobile Co., Jackson, Mich.
Jackson Bangor Slate Co., roofing, Pen Argyl, Pa.
Jackson Brass Fdry. Co., machsts. & fndrs., Jackson, Mich.
Jackson Brick Co., Jackson, Tenn.
Jackson Bros. Co., lbr., Salisbury, Md.
Jackson, C. D., & Co., marble, onyx, etc., 140th & Locust av, New York.
Jackson, C. E., & Co., machsts. & fndrs., 518 Prospect, N. W., Cleveland, Ohio.
Jackson, C. P., lumber, Lawrenceville, Ga.
Jackson, C. W., & Sons, canned goods, E. 10th & Belt, Indianapolis, Ind.
Jackson Casket & Mfg. Co., Jackson, Miss.
Jackson, Chas. H., mill & facty. supplies, Rome, N. Y.
Jackson & Church Co., machsts. & fndrs., Saginaw, Mich.
Jackson, Church & Wilcox Co., machsts., Saginaw, Mich.
Jackson Coal Co., Connellsville, Pa.
Jackson Co., flannels & sheetings, cotton, Nashua, N. H.
Jackson & Co., machsts. & fndrs., Rochester, Mich.
Jackson Contr'ng Co., Inc., 113 Vesey, Newark, N. J.
Jackson Cushion Spring Co., cushion springs & assemblies, 710 Water, Jackson, Mich.
Jackson, E. E., Lbr. Co., Keyser Bldg., Baltimore, Md.
Jackson, E. S., & Co., talc, 224 E. 2d, Cincinnati, Ohio.
Jackson-Eagleton Brick Co., Maryville, Tenn.
Jackson, Edwin A., & Bros. (Inc.), mantels and grates, 50 Beekman, New York. *See adv index at end of book.*
Jackson, F. Ellis, architect, Turks Head bldg., Providence, R. I.
Jackson Fence Co., Jackson, Mich.
Jackson Fertz. Co., Jackson, Miss.
Jackson Fibre Co., bags, Bemis, Tenn.
Jackson Fire Brick Co., 20 W. Jackson Blvd., Chicago, Ill.
Jackson Foundry & Machine Co., Paducah, Ky.
Jackson, Francis E., x-ray fluoroscopes, Orange, N. J.
Jackson, G. Edwin, architect, Clarendon Bldg., Utica, N. Y.
Jackson Gas Engine Co., clothes washing machs., Jockson, Mich.
Jackson, Geo., carriages, Pueblo, Colo.
Jackson Glass Wks., Jackson, Mich.
Jackson & Green, contrs., 500 Park, Bridgeport, Conn.
Jackson Hardware Co., Aberdeen, S. D.
Jackson, Harold N., elec. contr., Monrovia, Cal.
Jackson Iron & Bronze Wks., Jackson, Tenn.
Jackson Iron & Steel Co., Jackson, Ohio.
Jackson, Isaac, Belt Fastner Co., 51 Barclay, New York.
Jackson, J. A., canned goods, Goldsboro, Md.
Jackson, J. E., lbr., Oxford, N. C.
Jackson, J. M., Lumber Co., Parkersburg, W. Va.
Jackson, J. Richard, contractor, Perry Bldg., Philadelphia, Pa.
Jackson, J. T., Lumber Co., Lexington, Ky.
Jackson, J. W., contractor, Noblesville, Ind.
Jackson, J. W., oilers, cans, Sharpsville, Pa.
Jackson, John H., Tile Co., Albany, N. Y.
Jackson, John J., Co., granulated gold & silver, silver chloride, nitrate, etc., 158 Astor, Newark, N. J.
Jackson, John W. & C. R., flour, Kirwin, Kans.
Jackson, Jos. A., architect, 1123 B'way, New York.
Jackson, L. A., lbr., Crystal, N. H.
Jackson-Lansing Brick Co., River Junction, Mich.
Jackson Lumber Co., Lockhart, Ala., & Jackson, Miss.
Jackson Lumber & Supply Co., Waterloo, Ia.
Jackson, M. J., & Son Co., contrs., Troy, N. Y.
Jackson, M. L., contractor, Lorain, Ohio.
Jackson Mach. Tool Co., die sinking machs., Jackson, Mich.
Jackson Mfg. Co., machsts., Rockford, Ill., & Jackson, Ohio.
Jackson Mfg. Co., wheel barrows & small car mfrs., Fourth & Boyd, Harrisburg, Pa. *See adv index at end of book*
Jackson & Maurice, contractors, Ford Bldg., Detroit, Mich.
Jackson Mill & Lumber Co., Jackson, Ohio
Jackson Milling Co., flour, Stevens Point, Wis.
Jackson Mills, cotton sheetings, Iva., S. C.
Jackson Mills Emery Co., polishers' materials mfrs., Pennsylvania Bldg., Phila., Pa.
Jackson Motor Shaft Co., Jackson, Mich.
Jackson & Newton Co., sash, door & blind, 105 Portland, Boston, Mass.
Jackson, O., machsts. & fndrs., Greenwood, N. Y.
Jackson Organ Co., Burlington, Ia.
Jackson, P. H., & Co., vault & sidewalk lights, 237 1st, San Francisco, Cal.
Jackson Potteries Co., Inc., vitreous china plumbing fixtures, Fulton Bldg., Pittsburgh, Pa.
Jackson Repairing Co., carriages, Washington, Pa.
Jackson, Rich., Slate Co., roofing, Pen Argyl, Pa.
Jackson-Richter Iron Wks. Co., Denver, Colo.
Jackson, Robertson & Adams, architects, Turk's Head Bldg., Providence, R. I.
Jackson, Rosencrans & Waterbury, architects, 1328 B'way, New York.
Jackson, S. R., levels, etc., Watertown, N. Y.
Jackson, S., Tube Co., Inc., tubing, 29 Rodney, Brooklyn, N. Y.
Jackson, Sam'l, Co., steam fitters' supplies, Pawtucket, R. I.
Jackson Sand Mining Co., Jackson, Ohio.

Jackson Shear Co., Fremont, Ohio.
Jackson Shovel & Tool Co., Montpelier, Ind.
Jackson Stone Co., Bridgeport, Conn., & Covington, Ohio.
Jackson Supply Co., plbrs.' supplies, 241 N. Delaware, Indianapolis, Ind.
Jackson, Thos., & Co. (Ltd.), sash, door & blind mfrs., Saginaw, Mich.
Jackson, Thos. F., Co., stone prod., Waterbury, Conn.
Jackson, Thos., & Son Co., cord & twine, Reading, Pa.
Jackson, Thos. W., masons' & bldrs.' matrls., Middleport, N. Y.
Jackson Tile & Brick Co., Jackson, Minn.
Jackson & Tindle, lbr., Buffalo, N. Y.
Jackson-Tinney Lbr. Co., Talledega, Ala.
Jackson, W., & Co., adv. novelties & specialties, 29 S. La Salle, Chicago, Ill.
Jackson-Walker Coal & Mining Co., Commerce bldg., Kansas City, Mo.
Jackson, Willard F., architect, Brockton, Mass.
Jackson, Wm. E., architect, 1003 Spruce, Philadelphia, Pa.
Jackson, Wm. H., Co., galvano-bronze wks., fire-places & mantels, 2 W 47th, New York.
Jackson's Mantel & Grate Wks., fire-place furnishings mfrs., 2 W. 33d, New York.
Jackson's, Sam'l, Sons, ry. signal torpedoes, 1129 S. 15th, Philadelphia, Pa.
Jacksonville Concrete Products Co., Jacksonville, Fla.
Jacksonville Cotton Oil Co., fertz. mfrs., Jacksonville, Tex.
Jacksonville Fertilizer Co., Jacksonville, Fla.
Jacksonville Fdy. Co., Jacksonville, Ill.
Jacksonville Lbr. Co., Jacksonville, N. C.
Jacksonville Packing Co., meat packers, Jacksonville, Ill.
Jacob Bros., scrap brass & iron, babbit metal, etc., Bridgeport, Conn.
Jacob Bros. Co., pianos, 539 W. 39th, New York.
Jacob, Chas. W., & Allison, wax, powdered licorice, grass matting, ultramarine blues, 18 Cedar, New York.
Jacob, Robt., motor boat, launch & yacht bldrs., City Island, N. Y.
Jacob, Robt., Engine & Mach. Co., 211 Chouteau av, St. Louis, Mo.
Jacob & Youngs, contractors, 116 W. 32d, New York.
Jacobberger & Smith, architects, Board of Trade, Portland, Ore.
Jacobi, Alex., cornices, Saginaw, Mich.
Jacobi Lbr. Co., Moline, Fla.
Jacobi, N., Hardware Co., Wilmington, N. C.
Jacobowitz, Chas. S., brewers' supps., 1382 Niagara, Buffalo, N. Y.
Jacobs, Alfred Henry, architect, 110 Sutter, San Francisco, Cal.
Jacobs, Arthur, architect, 128 N. La Salle, Chicago, Ill.
Jacobs Asbestos Mining Co., 8 W. 40th, New York.
Jacobs, Barney, contractor, Ashland, Wis.
Jacobs Bros., machsts. & fndrs., Avoca, Ia.
Jacobs Bros. Co., counter & platform scales & slicing machs., 71 Warren, New York.
Jacobs, C. B., elec. & gas light fixtures, 5241 W. Chicago, av, Chicago, Ill.
Jacobs, Chas., & Co., heaters, purifiers & separators, 258 Franklin, Boston, Mass.
Jacobs, Chas. J., Co., contractors, 107 Terrace, Boston, Mass.
Jacobs, Constr. Co., 356 S. Spring, Los Angeles, Cal.
Jacobs, David H., & Son, contractors, 166 Devonshire, Boston, Mass.
Jacobs, E. H., Mfg. Co., mill & facty. supplies & loom pickers, Danielson, Conn.
Jacobs, Edgar A., cornices & skylights, Port Angeles, Wash.
Jacobs, Elmer F., architect, Morgantown, W. Va.
Jacobs, F. M., mill & facty. supplies, Columbus, Miss.
Jacobs, Geo. Nelson, architect, 9 Hamilton pl, Boston, Mass.
Jacobs, Geo. P., & Co., plumbers', mill & facty. supplies, jobbers, 276 S. 9th, Brooklyn, N. Y.
Jacobs, Harry A., architect, 320 5th av, New York.
Jacobs-Hutchinson Hardware Co., Fairmont, W. Va.
Jacobs, Jacob J., contractor, Toledo, Ohio.
Jacobs, Julius, masons' & bldrs.' matls., 276 W. McMicken av, Cincinnati, Ohio.
Jacobs, Kenneth W., Co., barrel heaters, 1901 St. Paul, Milwaukee, Wis.
Jacobs, L. W., miter boxes, West Willington, Conn.
Jacobs Mfg. Co. (The), drill chuck mfrs., 894 Park, Hartford, Conn. *See adv index at end of book.*
Jacobs, S., & Sons, green house bldrs. & materials, 1365 Flushing av, Brooklyn, N. Y.
Jacobs, Theodore R., architect, Yakima, Wash.
Jacobs, W. N. B., contr., Murphysboro, Ill.
Jacobs, W. S., architect, Puyallup, Wash.
Jacobsen Constr. Co., McKay Bldg., Portland, Ore.
Jacobsen-Jenson Co., contrs., Portland, Ore.
Jacobsen, W. H., heating contractors, Belleville, N. J.
Jacobson, A. C., & Sons, lbr. mfrs., 81 Bridge, Brooklyn, N. Y.
Jacobson, Anton, contractor, Racine, Wis.
Jacobson Bros., contractors, Duluth, Minn.
Jacobson Bros., auto. windshields, 254 Central, Newark, N. J.
Jacobson Gas Engine Co., oil engine, Saratoga Springs, N. Y.
Jacobson, I. M., & Sons Co., ingots, metals, etc., 70 Catherine, Detroit, Mich.
Jacobson, John, contractor, Marshalltown, Ia.
Jacobson-Peterson-Peltz & Kaufer Co., corn brooms, South Bend, Ind.



Jacobson, R. A., contractor, 1114 Russell, Minneapolis, Minn
Jacobson, S. A., Co., Inc., willow ware mfrs., 217 Mer New York.
Jacobson, Silas, architect, Cap. Bk. Bldg., St. Paul, Minn.
Jacobson Supply Co., mill & facty. supplies, 1252 E. 55th, Cl land, O.
Jacobus, A. G., Sons, tex. machy. brushes (mill), Verona, N
Jacobus, Wm. H., wholesale hdwe., 79 Walker, New York.
Jacoby Art Glass Co., 2700 St. Vincent, St. Louis, Mo.
Jacoby, J. H., & Co., trunk mfrs., Burlington, Ia.
Jacoby & Son, contrs., Helena, Mont.
Jacoby & Son Co., marble interior work, 2025 Market, Ph delphia, Pa.
Jacoby & Weishambel, architects, Allentown, Pa.
Jacot, A. H., music boxes, 29 John, New York.
Jacques, Jno., & Son, machsts., Worcester, Mass.
Jacques, Urgel, architect, 311 Main, Worcester, Mass.
Jaeck, Hector C., battery chemicals, 215 Russell, Brooklyn, N.
Jaeck, Louis, Co., dyestuffs & mill soaps, 257 Front, New Yo
Jaeger Automatic Machine Co., 2238 N. 9th, Philadelphia, Pa
Jaeger, H. J., Co., lamps, 280 Park av, Weehawken, N. J.
Jaeger Machine Co., concrete mixers, 490 Dublin av, Columb Ohio.
Jaehnig Gas Fixture Co., 221 13th av, Newark, N. J.
Jaekle, W. L., architect, U. B. Bldg., Dayton, Ohio.
Jaenecke-Ault Co., printg. ink & dry colors, Newark, N. J.
Jaeschke Bros. Fndy. Co., 3026 Locust, Milwaukee, Wis.
Jaeshn, Frank, Constr. Co., Huron, S. D.
Jagenberg Machinery Co., labeling machy., 131 W. 24th, N York.
Jager, Chas. J., Co., mill & facty. supplies, 15 Custom Hou Boston, Mass.
Jagger Brick Co., Minneapolis, Minn.
Jahant Fndry. & Heating Co., Akron, O.
Jahn, Rudolph B., architect, Sheboygan, Wis.
Jahn, Wm. R., archl. iron, 3239 Germantown av, Phila., Pa.
Jahncke, Fritz, masons' & bldrs.' matls., 814 Howard, New leans, La.
Jahncke Service, Inc., bldrs. matrls., 814 Howard av, N Orleans, La.
Jahncke Shipbldg. Co., Madisonville, La.
Jahnke Welding & Mfg. Co., 111 Main, San Francisco, Cal.
Jahn's, Robt., Sons, cornices, Scotch Plains, N. J.
Jaicks, A., Co., contrs., Amer. Bank Bldg., Kansas City, Mo.
Jaite Co., paper & pulp mills, Jaite, Ohio.
Jakes Fdry. Co., Nashville, Tenn.
Jakobson & Peterson, ship bldrs., ft. of 24th, Brooklyn, N. Y
Jakoby, Anton, cornices, 3122 Kensington, Philadelphia, Pa.
Jakway-Motor Cone Vacuum Cleaning Mfg. Co., 135 Wood Syracuse, N. Y.
Jallade, Lindsay & Warren, architect, 37 Liberty, New York
Jamaica Dyewood & Chemical Co., 50 Church, New York.
Jambor Mfg. Co., eng'nrs' specialties, 911 Center, Milwau Wis.
James & Abbott Co., lumber, 155 Milk, Boston, Mass.
James, Alfred, machsts. & fndrs., La Crosse, Wis.
James, B. L., Mercantile & Mfg. Co., Denver, Colo.
James Bros., cornices & htg. contr., West Chester, Pa.
James, D. B., architect, Campton, N. H.
James, D. O., Mfg. Co., machsts. & fndrs., 1120 W. Mon Chicago, Ill.
James, E. B., Lumber Co., 20 Central, Boston, Mass.
James, E. L., fertilizer mfrs., Warrenville, Conn.
James Fertilizer Co., James, Ala.
James, Fred J., architect, Tampa, Fla.
James, Geo. A., Co., assayers, 28 Belden pl, San Francisco,
James & Graham Wagon Co., Memphis, Tenn.
James, Harry H., Am. B'k. Bldg., Seattle, Wash.
James, Henry, & Son, tallow, 15 Exchange, Boston, Mass.
James & Holmstrom, pianos, 23 E. 14th, New York.
James, J. T., canned goods, Roanoke, Va.
James, John E., contractor, Wilkes-Barre, Pa.
James Lbr. Co., 921 Aliceanna, Baltimore, Md., & Franklin,
James Mfg. Co., cattle stanchions, pens, barn equipments, Atkinson, Wis.
James Mfg. Co., closet seats, etc., Canton, O.
James Mfg. Co., hose couplings, rubber heels, flexible fa tubing, Cleveland, Ohio.
James Mfg. Co., wood alcohol, charcoal, Kane, Pa.
James Ore Concentrator Co., 35 Runyon, Newark, N. J.
James River Furniture & Mattress Co., mattress mfrs., R mond, Va
James, S. H., architect, Gary, Ind.
James Supply Co., plumbers, mill & facty. supplies & whole hdwe., Chattanooga, Tenn.
James, Thos. M., architect, 3 Park, Boston & Sherborn, M
James, W. J., tics, Franklin, Pa.
James & Shinn, contrs., Mattoon, Ill.
Jameson, Rabinovitch & Jameson, scrap rubber, 1510 Newb av, Chicago, Ill.
Jamestown Boiler Wks., Jamestown, N. Y.
Jamestown Cabinet Co., Jamestown, N. Y.
Jamestown Canning Co., Jamestown, Ind.
Jamestown Car Parts Mfg. Co., radiators, Jamestown, N.
Jamestown Construction Co., masons' & bldrs.' matls., Ja town, N. Y.
Jamestown Curtain Rod Co., towel racks, Jamestown, N.

nestown Gas Stove Corp., Corry, Pa.
nestown H'dwe Co., who. h'dwe, Jamestown, N. Y.
nestown Iron Wks. Co., machsts. & fndrs., Jamestown, N. Y.
nestown Mantel Co., Falconer, N. Y.
nestown Milling Co., flour, Jamestown, Ark.
nestown Paint & Varnish Co., Jamestown, Pa.
nestown Panel Co., Jamestown, N. Y.
nestown Shale Paving Brick Co., Jamestown, N. Y.
nestown Spring Bed Co., Jamestown, N. Y.
nestown Wood Finishing Co., paints & stains, Jamestown, N. Y.
nestown Worsted Mills, woolen flannels, Jamestown, N. Y.
nieson & Bond Co., masons' & bldrs.' matrls., Bond av, Oceanus, N. Y.
nieson, Jas. P., architect, Security Bldg., St. Louis, Mo.,
nieson, M. W., & Co., machsts. & fndrs., Warren, Pa.
nieson Mach. Co., St. Joseph, Mo.
nieson's, D., Sons, towels, Trenton & Sergeant, Phila., Pa.
nison Coal & Coke Co., Oliver Bldg., Pittsburgh, Pa.
nison Cold Storage Door Co., Hagerstown, Md.
nison & Hallowell, contractors, Montgomery, Ala.
nison, I. M., fndrs., Swales, Pa.
nison Mill Co., lumber, Everett, Wash.
nison & Morris, contractors, Greenville, S. C.
nison Rail Bond & Electrical Supply Co., Jenkins Arcade, Pittsburgh, Pa.
nison Spring & Mattress Co., Nashville, Tenn.
nison, T. H., natural gas burners, Claysville, Pa.
nison, W. L., contractor, 42 W. Town, Columbus, Ohio.
es, Elisha Harris, architect, 105 W. 40th, New York
es, Franklin Hawley, architect, 154 Nassau, New York.
es & Kirtland, hot air furnaces, 133 W. 44th, New York.
es & Leo, architects, 124 W. 45th, New York.
esville Barb Wire Co., Janesville, Wis.
esville Batting Mills, cottin batting, Janesville, Wis.
esville Brick Works, Janesville, Wis.
esville Carriage Works, Janesville, Wis.
esville Cement Co., cement shingle machinery, Janesville, Wis.
esville Contracting Co., Janesville, Wis.
esville Machine Co., agricultural implements, Janesville, Wis.
esville Products Co., spark plugs, children's vehicles, etc., Janesville, Wis.
esville Sand & Gravel Co., Janesville, Wis.
ette Mfg. Co., circuit breakers, air compressors, etc., 617 W. Jackson blvd., Chicago, Ill.
eway Button Co., New Brunswick, N. J.
eway & Carpenter, wall paper mfrs., New Brunswick, N. J.
gblut, Aug., Co., pool tables, 833 Filmore, San Francisco, Cal.
isch, John L., contractor, 530 Ravenswood av, Chicago, Ill.
ney Aircraft Co., aeroplanes, Monroe, Mich.
ney & Co., machsts. & fndrs., Montgomery, Ala.
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ney, Jos. W., lumber, Pier 52, North Wharves, Phila., Pa.
ney-Semple, Hill & Co., wholesale hdwe., mill & facty. supplies, 1st av, S., & 2d, Minneapolis, Minn.
ney, Steinmetz & Co., indicators, etc., 1421 Chestnut, Philadelphia, Pa.
s Asbestos Co., packing, 26 Cortlandt, New York.
ows-Kramer Range Co., 640 W. Randolph, Chicago, Ill.
sen, Ed., rattan & reed furniture, 110 W. 18th, New York.
sen, F. W., Clock Co., elec. alarm clocks, 217 W. Randolph, Chicago, Ill.
sen & Joosten, organs, Flanagan, Ill.
sen, T. E., cornices, Kenosha, Wis.
son Iron Works, Oakland, Cal.
son & Schaefer, contrs., common brick, Pekin, Ill.
son Steel & Iron Co., iron bar mill, Columbia, Pa.
sen Bemo, architects, Century Bldg., Pittsburgh, Pa.
sen, Bernard H., archl. iron, 135 Huron, Brooklyn, N. Y.
sen, Ernest C., architect, Chemical Bldg., St. Louis, Mo.
sen, H., pianos, 82 Brown pl, New York.
sen J. H., fndr., Woonsocket, S. D.
sen, Wm. H., contractor, Galveston, Tex.
e, N. S., machsts. & fndrs., Nashville, Tenn.
on, A. & J., coffins, etc., 1410 11th, Philadelphia, Pa.
on, Geo., & Sons Co., soap, 272 W. Mound, Columbus, Ohio.
z & Leist Electric Co., dynamos for isolated electric light & power plants, Cincinnati, Ohio.
ary & Wood Co., cordage & twine, Maysville, Ky.
sch Mfg. Co., colonial candlesticks, machsts. & fndrs., 496 E. 134th, New York.
ier, Walter, soap, 417 Canal, New York.
nese Tissue Mills, Holyoke, Mass.
nese Water Color Co., water color paints, 31 Exchange, Rochester, N. Y.
s, Frank, Co., sash, door & blind, 8th & Plum, Detroit, Mich.
. Frank A., machst., Redwood Falls, Minn.
ith Machy. Bureau, Inc., efficiency engrs., 148 Pearl, Boston, Mass.
oe, E. R., Canning Co., Mechanicsville, Md.
en Brick Co., Land Title bldg, Philadelphia, Pa.
en, C. J., architect, 1760 81st, Brooklyn, N. Y.
en Lithographing Co., label mfrs., 310 N. 11th Phila., Pa.
ine, Hill & Murdock, architects, 50 E. 42d, New York.
ne, Matheson & Co., tallow & oils, 25 Mad. av, New York.

Jardine, Walter S., & Sons Co., fireplace furnishings mfrs., 29 Central, Arlington Heights, Mass.
Jarecki Chemical Co., Sandusky, Ohio.
Jarecki Mfg. Co., brass & malleable iron, Erie, Pa.
Jarl, C. O., contractor, Great Falls, Mont.
Jarratt, J. S., & Co., lumber, Savannah, Ga.
Jarratt Lbr. Corp., Marianna, Fla.
Jarrell, B. C., & Co., sash, door & blind, Humboldt, Tenn.
Jarrell Bros., flour mills, Standardsville, Va.
Jarrell, R., & Son, canned goods, Marydel, Md.
Jarrell, R., & Sons, canned goods, Goldsboro, Md.
Jarrell, W. G., Machine Co., Charlotte, N. C.
Jarrett, Chas. L., architect, North Wales, Pa.
Jarrett Construction Co., Springfield, Mo.
Jarrett, F. H., stone producers, Bethayres, Pa.
Jarrett-Richardson Paving Co., Springfield, Mo.
Jarvis, Charles L., Co., drilling, tapping attachments, hdwe, spec., Gildersleeve, Conn.
Jarvis Engine & Mach. Wks., machsts. & fndrs., Lansing, Mich.
Jarvis Engineering Co., refrigeration, 261 Franklin, Boston, Mass.
Jarvis, Jos. T., models & patterns, 73 Haverhill, Boston, Mass.
Jarvis Paper Mills, West Claremont, N. H.
Jarvis, T. P., Mach. Wks., refrigerating machs., 275 Connecticut, San Francisco, Cal.
Jarvis, W. B., Co., sporting goods mfrs., Grand Rapids, Mich.
Jasper, Chas., contractor, Hyde Bldg., Spokane, Wash.
Jasper Desk Co., Jasper, Ind.
Jasper Lumber Co., Newton, Ia.
Jasper Machine Works, machsts. & fndrs., Jasper, Ind.
Jasper Veneer Mills, Jasper, Ind.
Jasperson Supply Co., plumbers, Mill & facty. supplies, jobbers, St. Marys, Ohio.
Jastrum, Fred'k., machsts., Freeport, Ill.
Jaxon Co., tools, dies, etc., 12-14 Jackson, Toledo, Ohio.
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Jay Mary R., landscape architect, 101 Park av, New York
Jay Printing Ink Co., 250 Plymouth, Brooklyn, N. Y.
Jayn, W. T., flour mills, Gate City, Va.
J. C. H. Galvanizing Co., 1110 N. Front, Philadelphia, Pa.
Jean, Augustine, sash, door & blind, Nadeau, Mich.
Jean, C. W., Co., copying baths, 116 Nassau, New York.
Jeandron, W. J., carbon brushes, 172 Fulton, New York.
Jeanerette Lumber & Shingle Co., Ltd., Jeanerette, La.
Jeanesville Iron Wks. Co., machsts. & fndrs., Hazleton, Pa.
Jeannette Glass Co., glass bottles, Jeannette, Pa.
Jeannette Mach. Co., Jeannette, Pa.
Jeannette Window Glass Co., Point Marion, Pa.
Jeavons, A. N., spring lubricators, 1603 Prospect av, Cleveland, Ohio.
Jefferies, W. P., Co., advtg. nov., 117-21 Winston, Los Angeles, Cal.
Jefferis, Joshua C., architect, 1001 Chestnut, Philadelphia, Pa.
Jefferis, P. E., contractor, West Chester, Pa.
Jefferis, Richard W., Co., bins lockers (metallic), Camden, N. J.
Jefferis, W. W., cornices & skylights, Wilmington, Ohio.
Jeffers Bros., bldg. contrs., Montgomery, Ala.
Jeffers, F. K., lumber, Custer, Wash.
Jeffers, J. Allen, contractor, Schenectady, N. Y.
Jeffers, J. H., architect, Mason City, Ia.
Jeffers, Lewis, contractor, Schenectady, N. Y.
Jeffers, Wm., cornices & skylights, 77 Joy, Boston, Mass.
Jefferson Brass Fdry., 209 King, Brooklyn, N. Y.
Jefferson Brick & Tile Mfg. Co., Jefferson, Wis.
Jefferson, Christ D., die sinkers, 25 N. 7th, Philadelphia, Pa.
Jefferson Co., elec. portables, Follansbee, W. Va.
Jefferson Construction Co., Q. & C. Bldg., New Orleans, La.
Jefferson Distilling & Denaturing Co., cologne spirits, Harvey, La.
Jefferson, E. D. & Son, kiers, 53 State, Boston, Mass.
Jefferson, Edw., & Bro., textile machy., supplies, etc., 19 S. 2d, Philadelphia, Pa.
Jefferson Elec. Mfg. Co., 847 W. Harrison, Chicago, Ill.
Jefferson Fertilizer Co., Birmingham, Ala., & Jefferson, S. C.
Jefferson Fdry. & Mach. Shops, Jefferson, Texas.
Jefferson Glass Co., arc lamp globes, table, etc., 5 S. Wabash av, Chicago, Ill.
Jefferson Iron Co., Oak Hill, Ohio.
Jefferson Iron Wks. Co., machsts., 7 Jefferson av, Detroit, Mich.
Jefferson Lbr. Co., Birmingham, Ala.
Jefferson Mach. Co., Denckla Bldg., Philadelphia, Pa.
Jefferson Plumbers' & Mill Supply Co., Birmingham, Ala.
Jefferson & Thomas, architects, 1146 11th, San Diego, Cal.
Jefferson Union Co., unions, flanges, pipe fittings & specialties, etc., Lexington, Mass.
Jefferson & Clearfield Coal & Iron Co., bituminous, Punxsutawney, Pa.
Jeffersonville Canning Co., Jeffersonville, Ind.
Jeffersonville Mfg. Co., kitchen cabinets, Jeffersonville, Ind.
Jeffery-Dewitt Co., porcelain specialties, Butler av & Grand Trunk Ry., Detroit, Mich.
Jeffery, H. J., architect, Union Bldg., Cleveland, Ohio.
Jeffrey, A. L., sashes, doors & blinds, Marengo, Ohio.
Jeffrey, Dan'l, & Sons, tubular boilers, Jeanerette, La.
Jeffrey-Dewitt Insulator Co., Kenova, W. Va.
Jeffrey, H. T., Jr., architect, Fulton, Brooklyn, N. Y.

Jeffrey, Henry T., Jr., architect, Butler Bldg., Richmond Hill, N. Y.
Jeffrey Hydro Mfg. Co., vacuum cleaners, 824 Columbus Bldg., Cleveland, Ohio.
Jeffrey, John, Co., contractors, 127 N. Dearborn, Chicago, Ill.
Jeffrey Louis, Mfg. Co., catalog envelopes, 78th & Brunswick av, Philadelphia, Pa.
Jeffrey Mfg. Co., conveying, mining, pulverizing, etc., machinery, 961 N. Fourth, Columbus, Ohio.
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Jeffrey, W. A., & Sons, contractors, Ottawa, Ill.
Jeffreys-Spaulding Mfg. Co., box shooks & lbr., Chase City, Va.
Jeffries, A. H., architect, Estherville, Ia.
Jeffries, Wm., machinist, Thibodaux, La.
Jeffris D. K. Lbr. Co., 11 So La Salle, Chicago, Ill.
Jeibmann, Harry, willow ware mfrs., Orenco, Ore.
Jelin, Abraham, contrs., New Brunswick, N. J.
Jelke, John F., Co., canned goods, 759 S. Washtenaw av, Chicago, Ill.
Jelks, W. A., & Co., fertilizer, Hawkinsville, Ga.
Jellico Foundry Co., Jellico, Tenn.
Jellico Hardware Co., Jellico, Tenn.
Jelliff, C. O., Mfg. Co., agricultural implements & wire goods mfrs., Southport, Conn.
Jelliff, Geo. H., & Son, sieves, New Canaan, Conn.
Jellow T., architect, Braintree, Boston, Mass.
Jeltes, Stuck, & Son, sash, door & blind mfrs., Grand Rapids, Mich.
J-E-M Shade Holder Co., 221 W. 33d, New York.
Jemison, J. B., & Co., lumber, Thomasville, Ga.
Jemne Magnus, architect, Endicott bldg., St. Paul, Minn.
Jenckes Knitting Mach Co., Pawtucket, R. I.
Jenckes Spinning Co., tire fabrics, Pawtucket, R. I.
Jencks, E., Mfg. Co., machsts., Worcester, Mass.
Jencks Paper Box Co., 45 Waldo, Providence, R. I.
Jenison, L. & L., Co., flour mills, Jenison, Mich.
Jenkins, A. C., architect, Albany, Ore.
Jenkins Austin D., architect, 6 N. Michigan av, Chicago, Ill.
Jenkins, Branscombe & Romberg, architects, Grand Junction, Colo.
Jenkins Brick Co., Montgomery, Ala.
**JENKINS BROS.**, sole manufacturers of genuine Jenkins valves; also sheet packing, gaskets, & other mechanical rubber goods, 80 White, New York. Branch stores & offices: Boston, Philadelphia, Chicago. Foreign: Jenkins Bros., Limited, Montreal, Canada; London, England.
Jenkins, C. C., masons' & bldrs.' matls., Willoughby, Ohio.
Jenkins, Charles B., architect, Newkirk, Okla.
Jenkins, D. C., Glass Co., Kokomo, Ind.
Jenkins, Daniel, contractor, Streator, Ill.
Jenkins, Geo. O., Co., leather boards & paper & pulp mills, Whitman, Mass.
Jenkins, Geo. R., & Co., lubricating oils & greases, 608 S. Dearborn, Chicago, Ill.
Jenkins Hay Rake & Stacker Co., Chillicothe, Mo.
Jenkins, J. E., flour, Central City, Neb.
Jenkins, J. W., lumber, Macon, Ga.
Jenkins, Jas. H., granite, Quincy, Mass.
Jenkins, John W., stone producers, Springfield, Ohio.
Jenkins, L. Chastine, contractor, Richmond, Va.
Jenkins Lumber Co., Birmingham, Ala.
Jenkins-McKay Hdwe. Co., Central City, Colo.
Jenkins Machine Co., woodworking machy., Sheboygan, Wis.
Jenkins Mfg. Co., machs. & Fdrs., Bloomfield, N. J.
Jenkins Mfg. Co., sewage ejectors, plugs, etc., Bloomfield, N. J.
**JENKINS PAINT & OIL CO.**, paint manufrs., Norfolk, Va.
Jenkins-Phipps Co., rattan & reed wks., Wakefield, Mass.
Jenkins Rubber Co., Elizabeth, N. J., & 80 White, New York.
Jenkins, Thos., & Co., stone producers, Memphis, Tenn.
Jenkins Vulcan Spring Co., Richmond, Ind.
Jenkins, W. M., Machine Works, 18th & Treat av, San Francisco, Cal.
Jenkins, W. S., & Sons, machsts., Portland, Mich.
Jenkins & Wells, contractors, Sacramento, Cal.
Jenkins & Bogert Mfg. Co., wood turning, Kingfield, Me.
Jenkinson, John, see Jenkinson Brass Fdry. Co. (successor).
Jenkinson, R. C., & Co., hdwe. mfrs., 293 Washington, Newark, N. J.
Jenks, A. Murray, architect, Mt. Vernon, N. Y.
Jenks, Edw. B., dock bldrs., 143 Liberty, New York.
Jenks, H. F., Co., tapping & threading mach., drinking & sanitary fountain, etc., Pawtucket, R. I.
Jenks Lantern Co., 208 N. 5th av, Chicago, Ill.
Jenks & Muir Mfg. Co., brass & iron bedsteads and mattresses, 1441 Hastings, Detroit, Mich.
Jenks & Plume, contractors, Mount Vernon, N. Y.
Jenks & Son, machsts. & fndrs., Prairie City, Ia.
Jenks, W. H., machsts. & fndrs., Brookville, Pa.
Jenne, Geo., cornices & skylights, Yazoo City, Miss.
Jennens, W. H., composition & plastic ornaments, archl. decorators, etc., 1811 Baltimore av, Kansas City, Mo.
Jenner, John H., machsts. & fndrs., Leavenworth, Ind.
Jennet Bridge & Iron Works, steel bridge bldrs., 3541 Shields av, Chicago, Ill.
Jennett Bros. Co., fertilizer mfrs., Elizabeth City, N. C.
Jennings Automatic Dump Body Co., Roanoke, Va.
Jennings Bros., lbr., Jennings, Md.
Jennings Bros. Mfg. Co., machsts. nut crackers, etc., Bridgeport, Conn.
Jennings, C. E., & Co., hdwe. mfrs. 71 Murray, New York.
Jennings Cypress Tank Co., Shreveport, La.
Jennings, E. M., machsts., Webster, N. Y.
Jennings Graphite Co., Lineville, Ala.
Jennings & Griffin, machsts. & fndrs., Meriden, Conn.
Jennings & Griffin Mfg. Co., saws, Port Jervis, N. Y.
Jennings, J. B., lbr., Reform, Ala.
Jennings & John, ornamental architectural iron, 83 Manhattan, New York.
Jennings, Martin, & Bros., contractors, 902 E. Triggs av, Memphis, Tenn.
Jennings Pump Dredge Co., centrifugal pumps with adjustable liners, 180 N. Dearborn, Chicago, Ill.
Jennings, R. J., Yarn Clearing Machine Co., Elmira, N. Y.
Jennings & Ross Co., contractors, B'way & Chicago, Milwaukee, Wis.
Jennings-Russell Mfg. Co., machsts. & fndrs., augers & mach. bits, Chester, Conn.
Jennings, S. P., & Sons, wood handles, New Castle, Ind.
Jennings Silver Co., Irvington, N. J.
Jennings, W. G., & Son, brick, Greensboro, N. C.
Jennings & Welstead Corp., contractors, 237 E. 41st, New York.
Jennison Co., engineers & contrs. for supplying & installing power, heating & ventilating equipt., Fitchburg, Mass.
Jennison Hardware Co., mill & facty. supplies, Bay City, Mich.
Jennison, O. M., lbr., Peacham, Vt.
Jennison, W. J., Co., flour, 922 Flour Exch., Minneapolis, Minn.
Jennison-Wright Co., flooring blocks, wood, Toledo, Ohio.
Jenny, Alex S., architect, 491 Boyton, Boston, Mass.
Jensen Bros. Co., contractors, Council Bluffs, Iowa.
Jensen, C. E., cornices, 3331 W. North av, Chicago, Ill.
Jensen Construction Co., Fort Dodge, Ia.
Jensen Creamery Machinery Co., Blvd. & 13th, Long Island City, N. Y.
Jensen, Elmer C., architect, New York Life Bldg., Chicago, Ill.
Jensen, Emil, contractor, Kenosha, Wis.
Jensen, G. P. W., contractor, 320 Market, San Francisco, Cal.
Jensen, J. C., & Co., contractors, 7022 St. Lawrence av, Chicago, Ill.
Jensen, J. Chris., architect, Council Bluffs, Ia.
Jensen-King-Byrd Co., mill & facty. supplies, whol. hdwe., Spokane, Wash.
Jensen-Kohlert Mfg. Co., machsts., St. Charles, Ill.
Jensen, O. C., machst., 1922 Park av, New York.
Jensen & Krage, contractors, Sioux City, Ia.
Jensen, P. C., mach. & fndr., Central City, Neb.
Jensen Trunk Facty., 102 W. 9th, Kansas City, Mo. (tr.)
Jensen's Facty. Store, closet tanks & seats, Evansville, Ind.
Jenson, Louis, contractor, Lincoln, Neb.
Jeppener, Paul, molds, models & experimental wks., 114 Center, New York.
Jepson, John W., Inc., machsts., 2665 Main, Buffalo, N. Y.
Jerald, S. E., Sulky Co., carriages, Waterloo, Ia.
Jergens, Andrew, Co., soap mfrs., Spring Grove av, Cincinnati, O.
Jergens, Andrew, Co., hand soap, 599 Broadway, New York.
Jerguson Gauge & Valve Co., mfrs. water gauges & valves for steam, gas & water, Mystic av & Fellsway, Somerville, Mass.
Jermyn & Co., anthracite coal mine, Scranton, Pa.
Jerns, Nicholas, lumber, Bellingham, Wash.
Jerome, Edgar, contractor, Rockville, Ind.
Jerome-Edwards Metallic Packing Co., 80 E. Jackson blvd., Chicago, Ill.
Jerome, Hy., carriage rims, Worcester, Mass.
Jerome Paper Co., toilet paper, 314 W. 53d, New York.
Jersemann, Max, jewelry cases, 105 Maiden la, New York.
Jersey, Albert, canned goods, Belcamp, Md.
Jersey Button Wks., 134 W. 26th, New York.
Jersey City Galvanizing Co., pipe straps, iron & steel roofing & ventilator mfrs., 74 Morgan, New York.
Jersey City Machine Co., shell tools, chucks, mandrels, multiple parts, turret lathe work, etc., 113 Plymouth, Jersey City, N. J.
Jersey City Supply Co., plumbers', mill & facty. supplies—jobbers, 12 Mercer, Jersey City, N. J.
Jersey Oil Mill Co., Jersey, Ga.
Jerslid Knitting Co., sweaters, cardigans, etc., Neenah, Wis.
Jerus, N., lbr., Bellingham, Wash.
Jervis Foundry & Machine Co., Decatur, Ala.
Jeschke, Edw., machinist & founder, agric'l implements, Bellevue, Ohio.
Jeske, Gust. J., & Son, bldg. contr., 1089 Richards, Milwaukee, Wis.
Jeske, R., & Bro. Co., cornices, metal doors, 119 Reservoir av, Milwaukee, Wis.
Jesnig, C., scientific instruments, 714 Sansom, Philadelphia, Pa.
Jesse, August, machinist, Stillwater, Minn.
Jesseman Granite Co., North Haverhill, N. H.
Jesson, Jno. B., machsts., 424 Vine, Philadelphia, Pa.
Jessop Steel Co., steel sheet rolling mills, Washington, Pa.
Jessop, Wm., & Sons, Inc., steel, 91 John, New York.
Jessup & Moore Paper Co., Commercial Trust Bldg., Phila., Pa.
Jessup, Stephen C., Pattern Wks., Salem, Ohio.
Jester-Cooper Co., telegraph app., Houston, Tex.
Jesup F. W. & Co., Inc., shovels, spades & picks, 90 W. B'way, New York

A. H., & Co., cornices & skylights, 91 Webster av, Long and City, N. Y.
dwe. Co., mill & facty. supplies, Jonesboro, Ark.
uths, Constr. Co., Inc., Mobile, Ala.
& Co., machsts., 861 Jefferson, Buffalo, N. Y.
Cut Glass Co., 200 5th av, New York.
Elec. Co., 4714 B'way, Chicago, Ill.
Mfg. Co., metal polish, wall paper cleaners, etc., 2863 22d, Chicago, Ill.
Supply & Equipment Co., mill & facty. supplies, whol. we., 34 S. Calvert, Baltimore, Md.
Vacuum Cleaner Co., 226 N. Jefferson, Chicago, Ill.
s' Circular, trade publication, 11 John, New York.
s' Technical Advice Co., jewelers' & refiners' platinum lting outfits, 14 John, New York.
Belting Co., Hartford, Conn.
& Co., plain envelopes, 1302 Filbert, Philadelphia, Pa.
Electric Co., electrical controller mfrs., Munsey bldg., ltimore, Md.
Electrical Instrument Co., ammeters & voltmeters, 1650 dnut, Chicago, Ill.
& Jewell, contractors, Prov. Bk. Bldg., Cincinnati, Ohio.
Loudermilk Co., Gainesville, Ga.
Mfg. Co., heat regulators, etc., Auburn, N. Y.
Polar Co., 24 S. Clinton, Chicago, Ill.
Steel & Malleable Co., Buffalo, N. Y.
Umbrecht, architect, Kilmer Bldg., Binghamton, N. Y.
Water Improvement Co., 9 S. Clinton, Chicago, Ill.
A. B., architect, Durant, Okla.
Car Co., Newark, Ohio.
& Co., stove mfrs., Buffalo, N. Y.
Cornice & Roofing Co., San Antonio, Texas.
Geo. H., Co., auto. wood bodies, Worcester, Mass.
Grace, architect, 57 Post, San Francisco, Cal.
Lumber Co., Des Moines, Ia.
Piano Co., Leominster, Mass.
Refrigerator Co., Buffalo, N. Y.
& Sowers Oil Co., 20 W. Jackson blvd, Chicago, Ill.
Stamping & Enameling Co., Jewett, Ohio.
ille Brick Co., Builders' Exchange, Buffalo, N. Y.
Jos., & Sons, contractors, 676 Montgomery, Jersey City J.
mber Co., Spanish Fork, Utah.
Geo. L., & Son, contrs., West Newton, Mass.
. Constr. Co., 54 Maiden la, New York.
f. D., Bros. & Co., soap powders, 906 W. North av, cago, Ill.
re Hose Rack Co., hose nipples, reels & drain boxes, 727 av, New York.
ck Mfg. Co., 10209 Quincy, Cleveland, Ohio.
ater Heater Co., 1000-02 N. Vandeventer av, St. Louis,
as., Co., masons' & bldrs.' matls., Stayton, Pittsburgh, Pa.
, Francis Y., architect, 52 Vanderbilt av, New York.
ed'k, watchmakers' & jewelers' tools, Wilkes-Barre, Pa.
Mfg. Co., belt dressing, 327 S. La Salle, Chicago, Ill.
Wm. F., chemicals, Aurora, Ill.
mmor W., machsts., Minerva, Ohio.
illing Co., flour, St. Johns, Oreg.
C. Frank, architect, Pullman Bldg., Chicago, Ill.
Gifford Co., steel struct. wk., 30 E. 42d, New York.
. J., contractor, Paxton Bldg., Omaha, Neb.
acob J., contr., Peoria, Ill.
., & Sons, contrs., Peoria, Ill.
J. W., Hardware Co. (Ltd.), cornices & skylights, peming, Mich.
k Lbr. Co., Comfort, W. Va.
k Shingle Co., Aloha, Wash.
Bros. Mfg. Co., sewing cabinets, 2362 University av, St. il, Minn.
& Schilling Co., hotel supplies, 379 Sibley, St. Paul, n.
s, H. J., Pickling Co., canned goods, Clintonville, Wis.
sburg Mfg. Co., lumber, Johannesburg, Mich.
sen Mfg. Co., bank fixtures, Erie, Pa.
ng, Chas., cornices, Richmond, Ind.
en, H. S., marine engines, 50 Church, New York.
on C. E., Inc., gauges, Poughkeepsie, N. Y.
n, A., & Co., arch. iron, 529 Dorchester av, Boston, s.
T., Co., fertilizer, Johns, N. C.
H., Jr., trunks, Galveston, Tex.
g. Co., paper cups, Springfield, Ohio.
. Fndry. & Mach. Co., Marianna, Pa.
lfred Milling Co., flour, Henshaw, Ky.
Brown Co., sash, door & blind mfrs., Aurora, Ill.
ngineering Co., models, dies, tools, etc., 625 Champlain Cleveland, Ohio. *See adv. index at end of book.*
Manger Mfg. Co., hdwe. mfrs., 709 Harrison, San Fran- o, Cal.
opkins Univ. Dept. of Engng., engng. schools & coll., newood, Baltimore, Md.
anville, H. W., Co., asbestos, insulation, etc., Madison & 41st, New York.
att Co., fuse insulators & packing mfrs., Hartford, n
. P., & Sons, masons' & bldrs.' matls., Sedalia, Mo.

John's Stamping & Machine Works Co. (The), 1715 Leonard, Cleveland, Ohio.
Johnson, A. A., cornices, Altoona, Pa.
Johnson, A. E., pipe repair clamps, 211 N. Exchange, Providence, R. I.
Johnson, A., & Sons, brick, Mediapolis, Ia.
Johnson, A V., & Co., contractors, 1123 B'way, New York.
Johnson, A. W. V., chemicals, disinfectants, oxygen apparatus, etc., Merchants Exchange Bldg., San Francisco, Cal.
Johnson Acetylene Gas Co., Crawfordsville, Ind.
Johnson, Albert, & Co., bank fix., 131 Border, E. Boston, Mass.
Johnson, Alfred, & Son, contractors, Boston, Mass.
Johnson, Algot, contractor, Burlington, Ia.
Johnson-Anderson Co., contractors, Commercial Bldg., Portland, Ore.
Johnson, Arland W., architect, 469 5th av, New York
Johnson, Arthur, & Co., badges & buttons, 45 John, New York.
Johnson, August N., machsts. & fdrs., Manistee, Mich.
Johnson Automatic Sealer Co. (Ltd.), machsts., Battle Creek, Mich.
Johnson, B. J., Soap Co., 42 4th, Milwaukee, Wis.
Johnson, B., & Son, contractors, Richmond, Ind.
Johnson Ben Co., contr., Miami, Fla.
Johnson & Thompson, steel tanks & structural wk., Birmingham, Ala.
Johnson & Bassett, textile machy., Worcester, Mass.
Johnson & Baum, contrs., Superior, Wis.
Johnson Belt'g Co., mfrs., 342 E. 38th, New York.
Johnson & Berntson, sash, door & blind mfrs., Corona, N. Y.
Johnson & Briggs, ties, poles & posts, Mutual Bldg., Richmond, Va.
Johnson Bronze Co., pulley bushings, New Castle, Pa.
Johnson Bros., cornices & skylights, 4 Industry, Pittsburgh, Pa.
Johnson Bros., flour mills, Gate City, Va. (tr.)
Johnson Bros. Co., mill & facty. supplis, who. hdwe., Bath, Me.
Johnson Bros. Motor Co., machsts., Terre Haute, Ind.
Johnson & Brown, contrs., Centralia, Wash.
Johnson & Burns, architects, 174 Bond, Hartford, Conn.
Johnson, C. A., & Co., cloth folding machs., 55 Pine, Providence, R. I.
Johnson, C. H., architect, Baxter Springs, Kansas.
Johnson, C. H., mill & facty. supplies, Chicora, Pa.
Johnson, C. H., sashes, doors & blinds, Burton, O.
Johnson, C. L., Mfg. Co., machsts., 48 E. 3d, St. Paul, Minn.
Johnson, C. J., contractor, Railway Exch. Bldg., Seattle, Wash.
Johnson, C. O., stone, Salt Lake City, Utah.
Johnson C. R., architect, Humboldt B'k. bldg., San Francisco, Cal.
Johnson, C., Upholstering Co., Youngstown, Ohio.
Johnson-Carey Co., contractors, Metropolitan Bldg., St. Paul, Minn.
Johnson, Carl P., architect, 30 E. 42d, New York.
Johnson & Carlson, wood tanks, 848 Eastman, Chicago, Ill.
Johnson-Carlson Cut Glass Co., 30 E. Randolph, Chicago, Ill.
Johnson Carlyle Machine Co., friction & gas engine clutches, marine gears, etc., Manchester, Conn.
Johnson, Chas. E., & Co., color mfrs., 509 S. 10th, Phila., Pa.
Johnson, Chas. H., shoe counters, Lynn, Mass.
Johnson, Chas. H., cornices, Jacksonville, Fla.
Johnson, Chas. Hdwe. Co., Peoria, Ill.
Johnson, Chas. O., contractor, 240 10th av, 240 10th av, New York.
Johnson, Chas., & Son, arch'l iron, 320 W. Grand, Chicago, Ill.
Johnson, Chris., & Son, contractors, Oshkosh, Wis.
Johnson City Boiler & Tank Co., Johnson City, Tenn.
Johnson City Coal Co., Conway bldg, Chicago, Ill.
Johnson City Fdry. & Mach. Co., Johnson City, Tenn.
Johnson City Washer Coal Co., White Ash, Ill.
Johnson Coin Counting Mach. Co., 237 Lafayette, New York.
Johnson & Co., htg. contrs., 1477 Flatbush av, B'klyn, N. Y.
Johnson & Co., buckwheat flour, Franklin, Pa.
Johnson Compound & Supply Co., Rochester, N. Y.
Johnson Constr. Co., 38 S. Dearborn, Chicago, Ill.
Johnson Constr. Co., Fargo, N. D.
Johnson & Crowley, printers' machinists, 182 Centre, New York.
Johnson, D. E., Co., stencils, steel stamps, etc., 140 William, New York.
Johnson & De Lano, contrs., 3231 Harrison, Kansas City, Mo.
Johnson, E. E., pump sockets; well screens, etc., St. Paul, Minn.
Johnson, E. E., lbr., Coquille, Ore.
Johnson, E. F., machsts, Kalkaska, Mich.
Johnson, E. G., Co., contractors, Portland, Me.
Johnson, E. P. Piano Co., Ottawa, Ill.
Johnson, E. P., Rule Mfg. Co., 565 Wash. Blvd., Chicago, Ill.
Johnson Eads M. E., Inc., naval architects, 115 B'way, New York
Johnson Educator Food Co., 100 Sidney, Cambridge, Mass.
Johnson Edwin A., contr., Bridgeport, Conn.
Johnson Elec. Washer Co., clothes washing machines, 2074 market, San Francisco, Cal.
Johnson, Elmer C., whol. & retail plate glass, Evansville, Ind.
Johnson Engng. Wks., see Marathon Mills & Machy. Wks. (successors)
Johnson Evers & Co., hdwe., lbr., etc., Laurel, Neb.
Johnson Excelsior & Mfg. Co., Indianapolis, Ind.
Johnson, Ezra, Novelty Co., advtg. novs., Newnan, Ga.
Johnson, F., & Co., contractors, 1943 N. Cal. av, Chicago, Ill.
Johnson, F. E., architect, Superior, Wis.
Johnson, F. S., Co., harness saddle & strap mfrs., 576 Howard, San Francisco, Cal.

Johnson Fare Box Co., 236 S. Robey, Chicago, Ill.
Johnson & Field Mfg. Co., agric. implement mfrs., cleaners, separators, etc., Racine, Wis.
Johnson, Folger, Esq., architect, 693 Marshall, Portland, Ore.
Johnson-Fortnum mchsts. & fndrs., Berlin, Wis.
Johnson Foundry & Machine Shops, Madison, Ind.
Johnson Fdry. & Mach. Wks., Los Angeles, Cal.
Johnson, Frank H., alloy & cold drawn steel, etc., 208 South La Salle, Chicago, Ill.
Johnson, Frank L., & Co., contractors, Duluth, Minn.
Johnson, Fred, architect, 46 Prospect av, Flushing, N. Y.
Johnson, Fred R., contractor, 179 Kenilworth, Detroit, Mich.
Johnson Fuel Co., coal mine, Fairfax, S. D.
Johnson, G. A., & Son, contractors, 1335 N. Clark, Chicago, Ill.
Johnson Gas Appliance Co., Cedar Rapids, Ia.
Johnson Gear Co., 735 Folsom, San Francisco, Cal.
Johnson, Geo. T., & Co., scrap iron & steel, Widener Bldg., Philadelphia, Pa.
Johnson, Geo. T. Co., toilet paper, 76 Batterymarch, Boston, Mass.
Johnson, Geo. W., Limestone Co., New Castle, Pa.
Johnson, Geo. W. Mfg. Co., doors—elevator, fireproof, etc., 4226 Page pl, St. Louis, Mo., and Kansas City, Mo.
Johnson, Grafton, canned goods, Greenwood, Ind.
Johnson Granite Co., Lithonia, Ga. & Montpelier, Vt.
Johnson Graphite Lubricator Corp., 50 Church, New York.
Johnson-Greenleaf Lumber Co., Norfolk, Va.
Johnson, Greenleaf & Son, lumber mfrs., Marine Bk. Bldg., Baltimore, Md.
Johnson & Gustafson, granite, Barre, Vt.
Johnson, H., architect, Farrell, Pa.
Johnson, H., Co., packing, ft Gates av, Jersey City, N. J.
Johnson, H. F., & Sons, cornices, Kingston, Pa.
Johnson, H. H., panel board cabinets, 277 Minna, San Francisco, Cal.
Johnson, H. H., Lbr. Co., Haughton, La.
Johnson, H. S., sashes, doors & blinds, 18th av, N. E., & Marshall, Minneapolis, Minn.
Johnson, H. S., Co., meat packers, Pawtucket, R. I.
Johnson Hardware Co., Lafayette, Ind.
Johnson Hardware & Implement Co., Greenville, Ala.
Johnson Heat Regulating Co., 14 N. 12th, St. Louis, Mo.
Johnson, Henry Hall, architect, Great Falls, Mont.
Johnson & Hibbard, auto. wood bodies, trucks, etc., Westfield, Mass.
Johnson, I. H., Jr., Co., Inc., spec. machy., 337 N. 15th, Phila., Pa.
Johnson, I. M., Co., architects, 3245 22d av, S., Minneapolis, Minn.
Johnson Ice Co., masons & bldrs.' matls., Jamestown, N. Y.
Johnson Iron Works, Ltd., Morgan & Sequin, New Orleans, La.
Johnson, Isaacs G., & Co., malleable iron & steel castings, railway track drills, Spuyten Duyvil, New York.
Johnson Isham B., architect, Empire bldg., Seattle, Wash.
Johnson, Israel H., Jr., Co., machsts., 337 N. 15th, Phila., Pa.
Johnson, J. A., cornices, Middletown, Ohio.
Johnson, J. A., & Co., contractors, 115 S. 6th, Minneapolis, Minn.
Johnson, J. C., architect, Columbia, S. C.
Johnson, J. C., Lbr. Co., Addy, Wash.
Johnson, J. D., Co., machsts. & fndrs., 43 Boerum pl, Brooklyn, N. Y.
Johnson, J. G., Co., masons' & bldrs.' mtls., Manitowoc, Wis.
Johnson, J. H., architect, Sumter, S. C.
Johnson, J. Henry, architect, 95 State, Albany, N. Y.
Johnson, J. J., contractor, Denton, Tex.
Johnson, J. R., & Co., car axles, Richmond, Va.
Johnson, J. T., mill & facty. supplies, who. hdwre., Kingston, N. Y.
Johnson, J. T., & Co., architects, State Life Bldg., Indiana, Ind.
Johnson & Jenning Co., spec. machy., Cleveland, Ohio.
*See adv. index at end of book.*
Johnson, Joel, contractor, 110 Jessie, San Francisco, Cal.
Johnson, John, lumber, Monroe, Wash.
Johnson, John, Co., pumps, mixers, filter presses, etc., 203 37th, Brooklyn, N. Y.
Johnson, Jno., Co., tarpaulins, wagon covers, etc., 362 Gratiot, Detroit, Mich.
Johnson, John, Constr. Co., 765 Abbott rd, Buffalo, N. Y.
Johnson, John H., contractor, 133 W. Washington, Chicago, Ill.
Johnson, Jno. L., sash, door & blind mfr., 4250 Lincoln av, Chicago, Ill.
Johnson, John S., & Son, agricultural implements, Waukon, Ia.
Johnson, John W., granite, Burlington, Vt.
Johnson & Johnson, auto. tops, 422 E. Saratoga, Baltimore, Md.
Johnson & Johnson Constr. Co., McKnight Bldg., Minneapolis, Minn.
Johnson, Jos. B., mach. dealer, Tampa, Fla.
Johnson, Kirk, & Co., pianos, Lebanon, Pa.
Johnson Knitting Mach. Co., St. Johnsville, N. Y.
Johnson, L. H., contractor, 922 Laurel av, Minneapolis, Minn.
Johnson, L. W., machy dealer, Lake City, Fla.
Johnson, Lawrence, & Co., crude rubber, 209 S. 3d, Phila., Pa.
Johnson Lthr. Co., decorative art lthrs., 43 W. 16th, New York.
Johnson, Lindley, architect, Harrison Bldg., Philadelphia, Pa.
Johnson, Louis, lumber, Bayou Chicot, La.
Johnson, Louis, Bldg. Co., contrs., Yonkers, N. Y.



Johnson Lumber Co., Erie, Pa.
Johnson Lumber Co., 1st Nat'l Bk. Bldg., Milwaukee, Wis.
Johnson Lumber Co., masons & bldrs.' matls., Kewanee, I
Johnson, M. H., Jr., architect, Brazil, Ind.
Johnson, M. L., & Sons, sashes, doors & blinds, 1311 Yale S. E., Minneapolis, Minn.
Johnson, M. M., Co., cornices & skylights; incubators & br ers, Colton, Cal. & Clay Centre, Neb.
Johnson Mach. & Tool Co., sensitive drills, Gouverneur, N.
Johnson Magnus, contr., Santa Barbara, Cal.
Johnson-Mandeville Co., mill & facty. supplies, 496 Broad, ark, N. J.
Johnson Mfg. Co., asparagus bunchers, 103 N. Front, Phila phia, Pa.
Johnson Mfg. Co., soldering fluid, 729 W. Washington, Chic Ill. *See adv. index at end of book*
Johnson, Meier, fndr., 155 Wendell, Chicago, Ill.
Johnson & Miller, architects, 105 S. 7th, Terre Haute, In
Johnson & Miller, test indicators, 42 Murray, New York.
Johnson & Morris, steam & hot water heating contractors, W. 23d, New York.
Johnson-Morse Can Co., lard, tin can mfrs., Wheeling, W.
Johnson, Nestor, Mfg. Co., ice skates, 1237 N. Cal. av, cago, Ill.
Johnson, O., cornices, 1002 W. Randolph, Chicago, Ill.
Johnson, O. A., & Sons, die stocks, 6522 S. Winchester av, cago, Ill.
Johnson, O. C., architect, Butler, Pa.
Johnson, Ole, Sons, Co., machsts., Milwaukee, Wis.
Johnson, Oliver & Co., plate glass, paint, 24 Custom H Providence, R. I.
Johnson, Otto, bldg. contr., Duluth, Minn.
Johnson, P., childrens' cradles, 856 W. Erie, Chicago, Ill.
Johnson, P. P., & Son, contractors, Henderson, Ky.
Johnson, Paul S., can filling machs., 1906 E. 93d, Clevelan
Johnson, Peter B., contrs., Racine, Wis.
Johnson, Peter, & Sons, mill & facty. supplies, Decorah, I
Johnson-Pollock Lbr. Co., Mt. Hebron, Cal.
Johnson, Reginald D., architect, Pasadena, Cal.
Johnson, Richard H., Co., contractors, Wayne, Pa.
Johnson & Ritz, masons & bldrs.' matls., Napoleon, Ohio.
Johnson, Robt., Inc., contractor, 204 E. 58th, New York.
Johnson, Robt. W., architect, Corona, N. Y.
Johnson, S. C., & Son, auto. & floor polish, carbon & var removers, etc., Racine, Wis.
Johnson, S. N., masons' & bldrs.' matls., Laredo, Tex.
Johnson, S. T., Co., machsts., 1334 Mission, San Francisco,
Johnson, S. S., archit., People's Bank Bldg., Lynchburg, V
Johnson, S. W., masons & bldrs.' matls., Watertown, N. Y
Johnson Service Co., heat regulating appliances, 153 Michi Milwaukee, Wis.
Johnson & Law, contrs., Anaconda, Mont.
Johnson, Sharp, & Co., scrap iron & steel, Commercial T Bldg., Philadelphia, Pa.
Johnson, Sherrane, Co., contractors, 103 Park av, New Y
Johnson Shipyards Corp., W. New Brighton, S. I., N. Y.
Johnson Shuttle Co., sewing machines parts, 217 W. Supe Chicago, Ill.
Johnson, T. C., & Sons, shoe counters, Lynn, Mass.
Johnson, T., Co., barrel leveling machs., 108 S. La Salle, cago, Ill.
Johnson, Thos., architect, Bemidji, Minn.
Johnson, Thos. (Est. of), tex. machy. (hosiery bands & lab Lawrence & Clearfield, Philadelphia, Pa.
Johnson, Thos. H., contractor, Sedalia, Mo.
Johnson, Thos. J., & Co., sash, door & blind, 896 Washin Boston, Mass.
Johnson, Thos. W., Co., contrs., Lowell, Mass.
Johnson & Tomek Co., carved mouldings, 1855 W. Lake, cago, Ill.
Johnson, V. C., machinist, Kasson, Minn.
Johnson, V. E., janitors' supplies, Tacoma, Wash.
Johnson-Van Vlaanderen Mach. Co., Paterson, N. J.
Johnson W. C., contr., Belleville, Ind.
Johnson, W. E., common brick, Augusta, Wis.
Johnson, W. F., Lbr. Co., Natchitoches, La.
Johnson, W. H., & Son Co., radiator shields, 330 St. Joseph, ianapolis, Ind.
Johnson, W. J., cornices, Wilmington, Del.
Johnson W. S., fertilizer mtls., Atlanta, Ga.
Johnson, W. Templeton, architect, Timken Bldg., San Diego,
Johnson, W. V., Fndry., machsts. & fndrs., St. Paul, Minn.
Johnson & Walters Mfg. Co., stamping, etc., 53 Baltimor Detroit, Mich.
Johnson-Washburn Co., steam fitters, mill & facty. supplie Haverhill, Boston, Mass.
Johnson & Wells Machine Co., Neenah, Wis.
Johnson-Wentworth Lumber Co., Cloquet, Minn.
Johnson, Wm. (Hedenberg Works), plumbers' & tinners' etc., mfrs., Newark, N. J.
Johnson, Wm. C., & Sons Machy. Co., 1001 N. 6th, St. Louis
Johnson, Wm., & Co., masons & bldrs.' matls., Charleston,
Johnson, Wm. J., machsts. & fdrs., Mayville, Mich.
Johnson, Wm. R., & Co., duck decoys, Seattle, Wash.
Johnson & Biddle Tool Co., hdwe. mfrs., sawing & filing chines, tools, dies, jigs & fixtures, Elkhart, Ind.

. & Johnson, surgical dressing & supplies, New Brunsk, N. J.
& Wimsatt, lbr., 1212 Water, S. W., Washington, D. C.
-Woodbridge Co., plate glass, Indianapolis, Ind.
Wrecking Frog Co., car replacers, Cleveland, Ohio.
Z. T., htg. contrs., 19 Myrtle, Boston, Mass.
burg Mach. Co., Johnsonburg, Pa.
's Iver Arms & Cycle Wks., revolvers, sporting & athc gds., etc., Fitchburg, Mass.
's, Jos., Sons, contractors, West New Brighton, N. Y.
n A., Jr., & Co., contrs., 111 W. Monroe, Chicago, Ill.
n Brokerage Co., window glass, 1st Nat. Bk. Bldg., tsburgh, Pa.
n Bros., steel plate wk., Ferrysburg, Mich.
n Bros., Clay Works, brick, Clay Works, Iowa.
n & Chapman Co., perforated metals, screen plates, 2925 roll av, Chicago, Ill.
n, Clarence H., architect, Capital Bk. Bldg., St. Paul, nn.
n & Co., cable & cotton cords, 35 Worth, New York.
n, Frederick G., machsts., 74 State, Detroit, Mich.
n, Geo., cornices, Fulton, N. Y.
n Glass Co., Hartford City, Ind.
n, Guy, Contr. Co., Toronto, Ohio.
n, H. M., Lumber Co., Baraboo, Wis.
n & Hamilton, machsts. & fdrs., Morgan City, La.
n Htg. Co., steam & hot water htg. contrs., 131 E. 26th, v York.
n-Hicks Mill Co., flour, Altamont, Ill.
n, J. D., contractor, Newport, R. I.
n, J. W., marking fluids, New Arts bldg., Rochester, N. Y.
n & Jennings Co., hammered steel forgings, cranes, oil ines, electric hoists, large nuts, rolling mill machinery, fting, weldless rings, etc., Addison rd, N. Y. C. R. R., veland, Ohio. *See adv index at end of book.*
n, John, & Co., tin plate, etc., 311 W. Lake, Chicago, Ill.
n, John F., Co., mill & facty. supplies, Fall River, Mass.
n Mfg. Co., oilers & torches, Urbana, Ohio.
n-Morehouse-Dickey Co., brattice cloth, 106 Market St., tsburgh, Pa.
n Optical Co., 66 State, Detroit, Mich.
n, P. M., Co., contractors, St. Elmo, Ill.
n Pattern Co., wood patterns, Canton, O.
n Planing Mill Co., masons & bldrs.' matls., Johnstown,

n, R. F., Paint Co., Pearl & Main, Cincinnati, Ohio.
n, R. W., Studios, archl. photographers, 241 5th av, tsburgh, Pa.
n, Robt., measuring tapes, Wilkes-Barre, Pa.
n, Robt. C., & Co., steam traps, 620 Lodge, Cincinnati, O.
n & Sharp Mfg. Co., machsts. & fdrs., Ottumwa, Ia.
n & Son, paper & pulp mills, Port Leyden, N. Y.
n, Thos. H., stencils, Harrisburg, Pa.
n Tin Foil & Metal Co., 6020 S. B'way, St. Louis, Mo.
n, Wm. G., Co., loose leaf devices, 429 Wood, Pittsgh, Pa.
n, Wm. T., Co., mill & facty. supplies, machry. dlrs., & Vine, Cincinnati, O.
ne Auto Lock Co., Cleveland, Ohio.
ne, J. T., & Co., crude rubber imps., 22 William, New k.
ne, Wm. O., architect, No. Tonawanda, N. Y.
vn Clay Products Co., common brick, Johnstown, Pa.
vn Rubber Co., pneumatic tires, Johnstown, Pa.
vn Tribune Publishing Co., pads, Johnstown, Pa.
Fire Brick Co., 30 N. La Salle, Chicago, Ill.
Refrigerator Mfg. Co., Milwaukee, Wis.
ridge & Iron Co., 122 S. Mich. av, Chicago, Ill.
lux Co., stone prod., Joliet, Ill.
orge Co., auto. crankshafts, Joliet, Ill.
ndry. Co., Joliet, Ill.
fg. Co., agricultural implement mfrs., Joliet, Ill.
il Tractor Co., gasoline & kerosene traction engines, et, Ill.
uarries Co., stone prod., Joliet, Ill.
ailway Supply Co., brake beams, center plates & side ings, 4052 Princeton av, Chicago, Ill.
and & Gravel Co., 343 S. Dearborn, Chicago, Ill.
ash & Door Co., Joliet, Ill.
all Paper Mills, Joliet, Ill.
rought Washer Co., Joliet, Ill.
. H., & Co., tin plate, metals, etc., 42 N. 5th, Phila., Pa.
& W., machsts. & fdrs., Holyoke, Mass.
eiland & Richardson Co., cornices & skylights, Olney, Ill.
Ninian, Inc., contrs., Yonkers, N. Y.
George, machsts. & fdrs., Merrimac, Mass.
has. S., & Bros., perforating machs., 541 Pearl, New
S. W., & Co., contrs., Aberdeen, S. D.
. H., Co., silver novelties, Meriden, Conn.
., Sons, masons & bldrs.' matls., Catlin, Ill.
aron, brick, Burkettsville, Ohio.
Alexander, lbr., Lyons, Ga.
rthur D., contractors, 76 Kinston, Boston, Mass.
Auerbacher, mill & facty. supp., 26 Mechanic, New- N. J.
utomatic Measuring Pump Co., Shelbyville, Ind.

Jones, B. E., Mfg. Co., broom & wood handles, Alba, Mich.
Jones, Ball, Co., Arlington Heights, Mass.
Jones-Beers Co., contractors, Binghamton, N. Y.
Jones, Ben B., contractor, Newark, Ohio.
Jones of Binghamton, scales, Binghamton, N. Y.
Jones, Brainerd, architect, Petaluma, Cal.
Jones Bros., contractors, Hazlewood, Ohio.
Jones Bros., masons & bldrs.' matls., Milford, Ill.
Jones Bros. & Co., cornices & skylights, Memphis, Tenn.
Jones Bros. Co., granite producers, 10 High, Boston, Mass.
Jones Bros. & Parker, lumber mfrs., Bath, N. Y.
Jones Bros. Structural Steel Co., Ravena, Ohio
Jones & Bubb, architects, Riggs Bldg., Washington, D. C.
Jones Buggy Co., Madisonville, Ky.
Jones, C. T., architect, James Bldg., Chattanooga, Tenn.
Jones, C. T. & W. A., carriages, London, Ohio.
Jones Car Door Co., Monadnock Bldg., Chicago, Ill.
Jones, Chas. D., machst., Leroy, Ill.
Jones, Chas. Dorrance, soap, 429 Locust, Philadelphia, Pa.
Jones, Chas. G., architect, 280 Broadway, New York.
Jones, Chas. H., machinist, Zanesville, Ohio.
Jones, Chas. R., architect, Georgetown, Del.
Jones, Coates & Bailey, packing box mfrs., 1014 Hooker, Chicago, Ill.
Jones & Co., masons & bldrs.' matls., Norfolk, Va.
Jones & Co., auto. wood bodies, Syracuse, N. Y.
Jones Construction Co., 1748 W. Madison, Chicago, Ill.
Jones, D. M., Co., mill & facty. supplies, who. hdwe., Elizabeth City, N. C.
Jones, David, organs, Jersey City, N. J.
Jones Decorative Glass Co., 231 Hudson av, B'klyn, N. Y.
Jones & Dillingham, paint, Spokane, Wash.
Jones & Dunn, lbr., Jennie, Ark.
Jones, E., lumber mfrs., Globe, Ore.
Jones E. D., & Son, soap, Newport, R. I.
Jones, E. D., & Sons Co., machsts. & fdrs., Pittsfield, Mass.
Jones, E. G., Iron Works, Rock Hill, S. C.
Jones, E. J., & Co., sash, door & blind mfrs., 406 W. Spring, Columbus, Ohio.
Jones, E. L., & Co., machsts. & fdrs., Dover, Del.
Jones, E. T., canned goods, Pittsville, Md.
Jones, Ed., & Co., badges & buttons, Oakland, Cal.
Jones, Edw. J., Lumber Co., Morris, Minn.
Jones, Ell, & Sons, nippers & parers, Luverne, Minn.
Jones, Enos F., Chemical Co., 51 Jay, New York.
Jones, Evan, Jr., architect, Wichita Falls, Tex.
Jones-Everett Machine Co., Ardmore, Okla.
Jones, F. O., & Co., cornices, Springfield, Ohio.
Jones, Faulk & Sons, roofing slate mfrs., Slate Hill, Pa.
Jones Fndry. Co., Meadville, Pa.
Jones Frank Bowne, naval architects, 29 B'way, New York
Jones, Frank L., cheese factory & dairy supplies, Utica, N. Y.
Jones, Fred D., machst. & fdr., Port Townsend, Wash.
Jones Fred R. Co., ry. contrs., 139 N. Clark, Chicago, Ill.
Jones & Furbinger, architect, Porter Bldg., Memphis, Tenn.
Jones, G. W. Lbr. Co., Appleton, Wis.
Jones Gauge Co., 5 Broad, Boston, Mass.
Jones Gear Co., Wayside Rd. & Nickel Pt. R. R., Cleveland, O.
Jones, Geo. E., architect, 9 Clinton, Newark, N. J.
Jones, Geo. P., & Co., oils, 218 N. Com., St. Louis, Mo.
Jones, Geo. W., brick, Arba, N. C.
Jones & Green, sash, door & blind, Big Rapids, Mich.
Jones, H. C., Co., cottonades, Conshohocken, Pa.
Jones, H. H., Belt Fasteners, Lancaster, N. H.
Jones, H. N., Constr. Co., San Antonio, Tex.
Jones, H. O., architect, Greenville, S. C.
Jones Hardware Co., Greenville, S. C., Lima, Ohio, Richmond, Ind., & Shamokin, Pa.
Jones Hardwood Co., 10 High, Boston, Mass.
Jones & Hardy, mill & facty. supplies, Hudson, N. Y.
Jones, Harlan, architect, Galion, Ohio.
Jones & Hartley, stone producers, 829 S. 17th av, Minneapolis, Minn.
Jones, Harvey A., architect, Georgitso Bldg., Utica, N. Y.
Jones Hollow Ware Co., 1012 Ashland av, Baltimore, Md.
Jones & Hotchkiss Co., steam fitters' supplies, Norwalk, Conn.
Jones, Howard K., architect, Farmers' Bk. bldg., Pittsburgh, Pa.
Jones, I. G., Co., see Betts Supply Co. (successors)
Jones, I. W., architect, Milton, N. H.
Jones Iron Wks., machsts., Buffalo, N. Y.
Jones, J. A., contractor, Charlotte, N. C.
Jones, J. A. & O. L., Mill & Elevator Co., flour, Nashville, Tenn.
Jones, J. B. & Co., scrap iron & steel, r. r. equipments, 712 Lacock, Pittsburgh, Pa.
Jones, J. C. Co., who. hdwe., Newark, Ohio.
Jones, J. E., machinist, Richmond, Ind.
Jones, J. F., Sons, handles (wood), Columbus Grove, Ohio.
Jones, J. H., flour mills, Petercreek, Ky.
Jones, J. H., lumber, Temperanceville, Va.
Jones, J. H., & Son, common brick, Metcalf, Ill.
Jones, J. W., machst. & fdr., Watsontown, Pa.
Jones, Jas., Co., machinists, 201 Leroy, Los Angeles, Cal.
Jones, Jas. E., lumber, Maple Rapids, Mich.
Jones, James H. S., show case mfrs., 39 William, Bridgeport, Conn.
Jones, Jno. C. Fremont, packing mfrs., Braddock, Pa.
Jones, John P., bldg. contr., 386 Kenilworth pl, Milwaukee, Wis.

Jones, John S., lumber mfrs., Porter Corners, N. Y.
Jones, John T., Sons, canning machy., 734 E. Lombard, Baltimore, Md.
Jones, John W., contractor, Berkley, Va.
Jones, John W., contractor, Bellaire, Ohio.
Jones, Jos. C., Sons, iron, Emporia, Kans.
Jones, Joshua J., architect, Westinghouse bldg., Pittsburgh, Pa.
Jones & Kerry Lumber Co., St. Ignace, Mich.
Jones & Kuhlke, rubber molds, Akron, Ohio.
Jones, L. B., Co., elec. light plants, Kansas City, Mo.
Jones, L. E., archl. iron, 321 N. Calvert, Baltimore, Md.
Jones & Lamb Co., meat packers, 106 South, Baltimore, Md.
Jones & Lamson Mach. Co., machsts. & fdrs., Springfield, Vt.
Jones & Laughlin Steel Co., Ross, Pittsburgh, Pa.
Jones Lumber Co., Portland, Ore.
Jones Lbr. Co., Reform, Ala.
Jones, M. D. Co., sun dials, iron settees, lawn sprinklers, etc., 73 Portland, Boston, Mass.
Jones Machine & Foundry Co., Chattanooga, Tenn.
Jones Machine Tool Co., 435 E. Pearl, Cincinnati, Ohio.
Jones, Major E., Motor Co., spark plugs, Detroit, Mich.
Jones Mfg. Co., machsts. & fdrs., 243 Franklin, Boston, Mass.
Jones Motor Car Co., Wichita, Kans.
Jones Motrola Co., tachometers & talking Mach. motors, 29 W. 35th, New York.
Jones Oil Engine Corp., Syracuse, N. Y.
Jones Packing Co., steam, 50 Church, New York.
Jones Paint Co., Rome, N. Y.
Jones, Phineas, & Co., carriage & wagon wheels, etc., 305 Market, Newark, N. J.
Jones & Pickett, turpentine, Covington, La.
Jones Positive Nut Lock Co., 2812 S. Wabash av, Chicago, Ill.
James, Post & Co., incubators, Racine, Wis.
Jones, R. A., soap machy., Covington, Ky.
Jones, R. E., cold storage doors, Hagerstown, Md.
Jones, R. E., & Co., tubular boilers, Franklin, Pa.
Jones, R. H., ties, poles, Callahan, Fla.
Jones, R. T., Lumber Co., North Tonawanda, N. Y.
Jones, Richard F., contractor, Hartford, Conn.
Jones, Robt. L., Slate Mfg. Co., roofing slate mfrs., Delta, Pa.
Jones, Robt. Ross, consulting engineer, Harrisburg, Pa.
Jones & Roessle, architects, Maison Blanche Bldg., New Orleans, La.
Jones, Roy Childs, architect, McKnight Bldg., Minneapolis, Minn.
Jones, S. A., granite, St. Cloud, Minn.
Jones, S. M., Co., engines, Toledo, Ohio.
Jones Sam'l & Sons, packing box mfrs., 3207 Sp. Garden, Philadelphia, Pa.
Jones & Schumacher, machsts, gas engines, 1100 West, Wilmington, Del.
Jones Speedometer, 590 Jackson av, Brooklyn, N. Y.
Jones Superior Mach. Co., 1264 W. North av, Chicago, Ill.
Jones, T. B., contractor, Fidelity Bldg., Baltimore, Md.
Jones, T. J., architect, 334 E. 3d, Portland, Ore.
Jones, T. R., Co., miners' caps & squibs, Wilkes-Barre, Pa.
Jones & Tabor, architects, Binz Bldg., Houston, Tex.
Jones, Thos. C., elec. portable, 114 E. 59th, New York.
Jones, Thos. P., & Sons, contractors, Manticoke, Pa.
Jones, Thomas W., sheet metal ornaments, 153 Maiden Lane, New York.
Jones, Trevor F., & Co., metallic sash bars, 374 W. Broadway, New York.
Jones, Underwood & Fletcher, Brazil, Ind.
Jones, Virgie E., contractor, Youngstown, Ohio.
Jones, W. A., architect, Vallejo, Cal.
Jones, W. A., Foundry & Machine Co., 4401 W. 12th av, Chicago, Ill.
Jones, W. B., flour mills, Crossville, Ala.
Jones, W. C., masons & bldrs.' matls., Watertown, N. Y.
Jones, W. Davenport, architect, 31 Clinton, Newark, N. J.
Jones, W. E., stamp'g dies, 14 Water, Brooklyn, N. Y.
Jones, W. R. & Co., plate glass, Outlook Bldg., Columbus, Ohio
Jones, Wm., instruments (Surgical & Dental), Denver, Colo.
Jones, Wm., machst., Lakeland, Fla.
Jones, Wm. A., & Son, lbr., Ft. Center, Newark, N. J.
Jones, Wm. B., Boiler Co., Streator, Ill.
Jones, Wm. C., architect, 30 N. La Salle, Chicago, Ill.
Jones, Wm. C., plain envelopes, 154 W. 18th, New York.
Jones, Wm. E., contractor, Port Huron, Mich.
Jones, Wm. H., contractor, West Chester, Pa.
Jones, Wm. H., Contracting Co., 823 Shipley, Wilmington, Del.
Jones, Wm. J., architect, 422 New York Block, Seattle, Wash.
Jones, Wm. J., contractor, 2927 W. 5th, Philadelphia, Pa.
Jones, Wm. M., sash, doors & blinds, Asheville, N. C.
Jones, Wm. Potts, masons & bldrs.' matls., Conshohocken, Pa.
Jones, Willis H., archl. iron, settees, railings, etc., Utica, N. Y.
Jones Yacht Agency, naval architects, 29 B'way, New York.
Jones & Winter, contractors, 53 W. Jackson blvd, Chicago, Ill.
Jonesboro Handle Co., shovel handles—ash, Jonesboro, Ark.
Jonesboro Mach. Wks., Jonesboro, Ark.
Jonesboro Roller Mill Co. flour, Jonesboro, Ark.
Jonesboro Yarn Mills Co., seine twine, Jonesboro, Tenn.
Jonesville Oil Mill, meal, Jonesville, S. C.
Jonson, J. G., architect, 6727 17th, Seattle, Wash.
Joost Bros., Inc., whol. hdwe., 1053 Market, San Francisco, Cal.
Joplin Advtg. Sign Co., Joplin, Mo.
Joplin Cornice Wks., Joplin, Mo.
Joplin Fdry Co., Joplin, Mo.
Joplin Hardware Co., Joplin, Mo.
Joplin Mchy. & Renting Co., mill & facty. supps., Joplin, M
Joplin & Meeks, contractors, 33d & Halsey, Portland, Ore.
Joplin Stove Co., Joplin, Mo.
Joplin Supply Co., mill & facty. supplies, Joplin, Mo.
Joppa Mattress Co., Little Rock, Ark.
Joralemon, Edgar E., architect, 482 Delaware, Buffalo, N. Y.
Jordan, Adolph M., sun dials, 37 E. 5th, Cincinnati, Ohio.
Jordan, B. C., lumber, Alfred, Me.
Jordan Bros. Lbr. Co., mooring buoys, 300 Main, Norfolk, V
Jordan Bros., testing clamps, 74 Beekman, New York.
Jordan Cabinet Wks., 129 Degraw, Brooklyn, N. Y.
Jordan Co., contractors, Columbus, Ga.
Jordan, Edward E., architect, Melrose, Mass.
Jordan, G. J., machsts. & fndrs., Dalton, Mass.
Jordan, Gernaah, architect, Coopersburg, Pa.
Jordan Hardware Co., Willimantic, Conn.
Jordan, J. P., & Co., sashes, doors & blinds, Memphis, Ten
Jordan Lumber Co., mason & bldrs.' matl., Malden, Mass.
Jordan Lumber Co., Old Town, Me.
Jordan Mfg. Co., textile, Monticello, Ga.
Jordan, Millinor, & Co., turpentine, Moseley Hall, Fla.
Jordan Motor Car Co., 1070 E. 152d, Cleveland, Ohio.
Jordan, O. F., Co., contractors, 332 S. Michigan av, Chicago,
Jordan Oil Co., E. 28th, Los Angeles, Cal.
Jordan & Parker, lbr., Winton, N. C.
Jordan, Paul R., Co., ventilators, 28 S. Meridian, Indianap Ind.
Jordan, R. C., agricultural implts., Ottawa, Ill.
Jordan, R. P., & Son, masons' & bldrs.' matls., Royston, Ga
Jordan River Lbr. Co., Kiln, Miss.
Jordan, Rufus K., mach. & fndrs., Westbrook, Me.
Jordan Seed & Fertilizer Co., Dublin, Va.
Jordan, W. H., & F., Jr., Inc., chemicals & oils, 124 Water, York.
Jordan, W. M., contractor, Greenville, S. C.
Jordan Wheelbarrow Co., Jordan, N. Y.
Jordan, Wm. E., Inc., coal tar products, 13 Cliff, New York
Jordis, John, iron works, 354 Jackson av, New York.
Jordon Co., masons' & bldrs.' matls., New Haven, Conn.
Jorgensen-Bennett Mfg. Co., packing box mfrs., Memphis, T
Jorgensen, C., lbr., Onalaska, Wash.
Jorgeson, F. C., & Co., show cases, 159 N. Ann, Chicago, Ill
Jorss, A. F., iron, 315 13th, N. W., Washington, D. C.
Jory, Herbert G., architect, Continental bldg., Baltimore, M
Josam Mfg. Co., roof & floor drains, 3063 E. 61st, Clevelan
Josam Mfg., floor drains, 25 So. 4th, St. Louis, Mo.
Jose-Balz Co., contractors, Lemcke Annex, Indianapolis, Ind
Josef, E. E., Mfg. Co., machsts., 14 Perry, Buffalo, N. Y.
Josenhaus T. J., architect, 4524 Lowman Drive, Seattle, W
Joseph, B. J., architect, 74 New Montgomery, San Francisco,
Joseph Iron Co., scrap iron & steel, Aurora, Ill.
Joseph, Isaac, Iron Co., scrap iron, 332 S. Michigan, Chi Ill., & 528 Reading rd., Cincinnati, Ohio.
Joseph & Joseph, architects, Francis bldg., Louisville, Ky.
Joseph, Joseph & Bro. Co., scrap iron & steel, Cincinnati,
Josephie, Geo., Co., broom corn, 227 Water, New York.
Josey, N. B., Guano Co., Tarboro, N. C.
Joslin, A. D., Mfg. Co., time stamps, 223 W. Erie, Chicago
Joslin Mfg. Co., corset & shoe laces, 610 Manton av, Provide R. I.
Joslin-Schmidt Co., fertilizer mfrs., chemicals, 3223 Sp. G av, Cincinnati, Ohio.
Joslyn Filter Co., water filters, 63 5th av, New York.
Joslyn Mfg. & Supply Co., pole line construction mat Chamber of Com. Bldg., Chicago, Ill.
Joss Bros. Co., granite, Quincy, Mass.
Josselyn, Edgar A., architect, 103 Park av, New York
Josselyn & Taylor Co., architects, Security Savings Bk. B Cedar Rapids, Ia.
Josts', Edmund, Sons, brass castings, cocks, hose nipples, s engine indicators, machsts. & fndrs., 58 1st, Newark, N.
Joubert & Goslin Machine & Fdy. Co., Birmingham, Ala.
Joullian, E. C., Packing Co., canned goods, Lake Shore, Mi
Jourdan, C. R., & Son, canned goods, Darlington, Md.
Jourdan, I., cement constr., Selma, Cal.
Jourdan Packing Co., meat, 814 W. 20th, Chicago, Ill.
Journal Oil Co., lubrg., Bradford, Pa.
Joy, A. W., Co., meat packers, Bangor, Me.
Joy Bros., cornices, Johnstown, Pa.
Joy, Chas. E., architect, 113 Church, New Haven, Conn.
Joy, Chas. H., machsts., 407 Aberdeen, Chicago, Ill.
Joy, Edward, Co., htg. contrs., mill & facty. & steam fi supplies, Syracuse, N. Y.
Joy, Leander F., stone producers, Peabody, Mass.
Joy Mach. Co., coal augers, conveyors, drills, car loaders loaders & rail testing instr., Union Arcade, Pittsburgh
Joy, S., architect, 2001 W. 39th, Chicago, Ill.
Joy, Sam'l S., jacks, wrenches, carriage & wagon, Rocking N. H.
Joy, T. B., lbr., Bodega, Cal.
Joy, Walter A., stone producers, Poughkeepsie, N. Y.
Joyce Bros. & Co., contrs., Keokuk, Ia.
Joyce-Cridland Co., hydraulic lever jacks, etc., Dayton, Ob
Joyce, John T., contractor, Newton, Mass.

ge Watkins Co., ties, poles & posts, Brunswick, Ga.
. Baker & Sons Co., machsts. & fndrs. (specialty mfrs.), Kendallville, Ind.
llee Mfg. Co., machsts. & fndrs., Omaha, Neb.
ah, E. H., & Co., paint mfrs., 2200 Santa Fe av, Los Angeles, Cal.
l, Burritt, contractor, South Hadley Falls, Mass.
l Coal Co., masons' & bldrs.' matls., Bristol, Conn.
l, H. L., Co., binding, hooks, poles, tassels, hdwe. mfrf., etc., 87 Chambers, New York.
l Laundry Mach. Co., 1221 S. Michigan av, Chicago, Ill.
l & Leland Mfg. Co., leather cups, pumps, etc., Clifton Springs, N. Y.
l Paper Co., tablets & pads, Holyoke, Mass.
l, R. D., hdwe. mfrs., New Britain, Conn.
l, Walter S., granite, Swanton, Vt.
l, Wm. F., masons' & bldrs.' matls., Dowagiac, Mich.
ll & Bogner, architect, 1st Nat'l Bank Bldg., Milwaukee, Wis.
lshon, Oscar I., machsts., 36 E. 8th, New York.
vins, A. & H., contractors, Baraboo, Wis.
ge, Harry W., machsts., 236 Pearl, Brooklyn, N. Y.
kins, J. B., Co., auto. metal bodies, carriages, Merrimac, Mass.
in, Peter, masons' & bldrs.' matls., 2331 N. Ramport, New Orleans, La.
en, Carl A., rubber horse shoe pads, 214 W. Erie, Chicago, Ill.
son, C. P., & Co., mill & facty. supplies, Big Rapids, Mich.
son Cutlery Co., oil cloth knives, 41 Union Sq, New York.
son Governor Co., Rochester, N. Y.
on Mfg. Co., iron & steel, 819 Folsom, San Francisco, Cal.
son Pin Co., Rochester, N. Y.
son, W. H., architect, 1121 Washington, Oakland, Cal.
son & Williams, machsts. & fndrs., Holyoke, Mass.
r & Cook, common brick, Mackinaw, Ill.
gst, Geo., & Son, machsts., Croton Falls, N. Y.
an, Jas., stone producers, Madisonville, Ohio.
an Milling Co., flour, Julian, N. C.
an, W. A., Co., cornices & skylights, Tucson, Ariz.
en, P. M., architect, New Com'l B'k bldg, Washington, D. C.
bo Plaster & Cement Co., Sigurd, Utah.
p House Wrecking Co., 210 W. 14th, New York.
tion City Lbr. Co., Urbana, Ark.
tion City Mfg. Co., coffins, caskets, Junction City, Ga.
tion City Sewer Pipe Co., Junction City, Ohio.
, D., Machinery Co., Waco, Tex.
, Carriage Co., Sheboygan, Wis.
, Fred'k., contractor, Evergreen av, Brooklyn, N. Y.
gelaus, W. P., Co., contractors, 827 Mass. av, Indianapolis, Ind.
gers Stove & Range Co., Grafton, Wis.
ata Furnace & Fdy. Co., Newport, Pa.
or Monarch Hay Press Co., San Leandro, Cal.
per Lbr. Co., Inc., Ivanhoe, N. C.
une Bros., padlock locks, 1145 W. Garfield, Chicago, Ill.
d, P., & Co., fishing tackle mfrs., Celina, Ohio.
ck, Chas., patterns & models, cut gears, etc., 201 Oregon, Milwaukee, Wis.
as Granite Co., Montpelier, Vt.
, A. C., contractors, Bloomsburg, Pa.
, W. U., architect, Shamokin, Pa.
, Geo. A., Co., contractors, 239 Vernon av, Long Island City, N. Y.
er Harry, mason, Hartford, Conn.
ice, A. R., Co., metal polish, 612 Chestnut, Philadelphia, Pa.
ice Coal & Lime Co., masons' & bldrs.' matls., Camden, N. J.
ice, F. T., & Co., masons' & bldrs.' matls., Lexington, Ky.
ice, J. H., flour mills, Hillsboro, Tenn.
ice, Philip S., & Co., jacks, hammers, etc., 421 Chestnut, Philadelphia, Pa.
in Mill & Elevator Co., flour, Justin, Tex.
is, J. G., Co., masons' & bldrs.' matls., Newport, Del.
rite Mfg. Co., cans, fire extinguishers, lamps, 2061 Southport av, Chicago, Ill.
us Plumbing & Heating Co., Massillon, Ohio.
& Sixta, architects, Manitowoc, Wis.
h, Karl E., architect, 1916 Fulton, Chicago, Ill.
Mfg. Co., sashes, doors & blinds, Atchison, Kans.
reck, Geo., metal lockers & steel shelving, 1123 B'way, New York.
el, L. J., cornices & skylights, Nashville, Tenn.
w, Stanley F., architect, 451 Mitchell, Milwaukee, Wis.
in, Ludwig, contrs., Landsdale, Pa.
tner, August J., carriages, 412 Cedar, Milwaukee, Wis.
tner & Hecht Co., machsts., brewers' & malsters' machy., agric'l implements, etc., 500 Throop, Chicago, Ill.
ff, Otto H., architect, 254 Elizabeth, E., Detroit, Mich.
el Bros., fndrs., 1208 St. Paul, Milwaukee, Wis.
, A. H., architect, Wichita, Kans.
n Mach. Wks., 12 N. Market, Chicago, Ill.
, Fredk., fndrs., 537 E. Atwater, Detroit, Mich.
-Holt Co., tin plate, metals, etc., 111 S. Charles, Baltimore, Md.
Iron Foundry, gray iron castings, 537 Atwater, E. Detroit, Mich.
Pattern Wks., Detroit, Mich.
e, Wm., jwlry. cases, 21 Broomfield, Boston, Mass.

Kahlenberg Bros. Co., engines (gas & gasoline), Twin Rivers, Wis.
Kahler Co., automobile dashes, New Albany, Ind.
Kahley, Joseph, 733 East Edison, York, Pa.
Kahn, A., masons' & bldrs.' matls., Petaluma, Cal.
Kahn, Albert, architect, Marquette bldg., Detroit, Mich.
Kahn Bros., old metal, smelters & refiners, 785 Humboldt, Brooklyn, N. Y.
Kahn, Ely Jacques, architect, 56 W. 45th, New York
Kahn, Jacques, wholesale window & plate glass, 533 W. 47th, New York.
Kahn, Leopold, & Co., paint mfrs., Philadelphia, Pa.
Kahn Mfg. Co., machsts., 598 Clinton, Milwaukee, Wis.
Kahn, Sam, brick, Blakeley, Minn.
Kahn's, E., Sons Co., meat packers, 519 Livingston, Cincinnati, Ohio.
Kahnweiler's David, Sons, life boats, fenders, hooks, etc., 260 Front, New York.
Kahoka Evaporated Milk Co., Kahoka, Mo.
Kahrs, G. W., architect, Long Beach, Cal.
Kailen, M., & Son, soap, Madison, Wis.
Kain, C. H., architect, Arcade Bldg., Harrisburg, Pa.
Kain, Jas. R., contractor, Mount Vernon, N. Y.
Kainer Mfg. Co., machsts. & fndrs., 761 Mather, Chicago, Ill.
Kaiser, Chas. S., architect, Mech. Inst. Bldg., San Francisco, Cal.
Kaiser, F. C., & Son, mach. knives, Muncie, Ind.
Kaiser, Geo. J., tin cans & canisters, 194 Duane, New York.
Kaiser, H., Buggy Co., Kenton, Ohio.
Kaiser, Jacob, Mfg. Co., 3d & Elm, St. Louis, Mo.
Kaiser, John, & Bros. Co., contractors, Elyria, Ohio.
Kaiser, Jno. H., Lbr. Co., Eau Claire, Wis.
Kaiser Knitt'g Wks., sweaters, cardigans, etc., 260 Stone av, Brooklyn, N. Y.
Kaiser Mfg. Co., ash, garbage & waste cans, 245 Pearl, New York.
Kalama Lbr. & Shingle Co., Corbett bldg., Portland, Ore.
Kalamazoo Advtg. Co., spec., Kalamazoo, Mich.
Kalamazoo Folding Canvas Boat Co., Kalamazoo, Mich.
Kalamazoo Fdry. & Mach. Co., 586 E. Main, Kalamazoo, Mich.
Kalamazoo Loose Leaf Binder Co., loose leaf devices, Kalamazoo, Mich.
Kalamazoo Mach. & Tool Co., Kalamazoo, Mich.
Kalamazoo Malleable Iron Co., Kalamazoo, Mich.
Kalamazoo Match Plate & Fdry. Co., Kalamazoo, Mich.
Kalamazoo Motors Corp., Kalamazoo, Mich.
Kalamazoo Paper Co., Kalamazoo, Mich.
Kalamazoo Plating Wks., Kalamazoo, Mich.
Kalamazoo Pump Co., water supply outfits, Kalamazoo, Mich.
Kalamazoo Ry. Supply Co., machsts. & fndrs., Kalamazoo, Mich.
Kalamazoo Rendering & Fertilizer Co., Kalamazoo, Mich.
Kalamazoo Sanitary Mfg. Co., plbrs. earthenware, Kalamazoo, Mich.
Kalamazoo Sheet Metal Mfg. Co., Kalamazoo, Mich.
Kalamazoo Sled Co., Kalamazoo, Mich.
Kalamazoo Soap Co., Kalamazoo, Mich.
Kalamazoo Specialty Co., lawn clothes dryers, Kalamazoo, Mich.
Kalamazoo Spring & Axle Co., Kalamazoo, Mich.
Kalamazoo Stationery Co., pads & tablets, Kalamazoo, Mich.
Kalamazoo Steel Goods Co., 412 E. Runson, Kalamazoo, Mich.
Kalamazoo Stove Co., Kalamazoo, Mich.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kalamazoo Vegetable Parchment Co., paper & pulp mills, Kalamazoo, Mich.
Kalamein Co., kalameined doors & windows, 10th, Long Island City, N. Y.
Kalb, Adam, machy. dlrs., 162 Grand, New York.
Kalbach Lumber Co., Oskaloosa, Ia.
Kalbert, Adolph, & Son, cornices & skylights, 170 E. 3d, New York.
Kalbfleisch Corp., battery acid, chemicals, acids, etc., 31 Union Sq, New York
Kalbfleisch Supply Co., mill & facty. supplies, Watertown, N. Y.
Kalbfleisch, Theo. F., mill & facty. supplies, Glens Falls, N. Y.
Kalbitzer Packing Co., meat packers, Wheeling, W. Va.
Kalbperry Corp., chemical engnrs., 31 Union Sq. W., New York.
Kalchbrenner, John, contractor, 133 W. Washington, Chicago, Ill.
Kaldenberg Trad'g. Co., billiard & pool balls, ivory imptrs., etc., 433 Broome, New York.
Kale Canning Co., Everson, Wash.
Kalem Co., films, 235 W. 23d, New York.
Kale Stamping Co., auto. horns, conduit hangers, washers, etc., 443 Lafayette bldg., W. Detroit, Mich.
Kaley, L. J., architect, City Hall, Binghamton, N. Y.
Kali Mfg. Co., chemicals, 1406 N. Front, Philadelphia, Pa.
Kalish Chem. Prod. Co., 63 Park Row, New York.
Kalispell Lbr. Co., Kalispell, Mont.
Kalispell Mercantile Co., wholesale hdwre. & mill & fcty. supplies, Kalispell, Mont.
Kall, P. J., contractor, Moorhead, Minn.
Kalle Color & Chem. Co., mfrs. & imp. of indigo, dyes & dyestuffs, 530 Canal, New York.
Kallich Isaac, architect, 2208 Bath av., B'klyn, N. Y.
Kallich & Lubroth, architects, 215 Montague, Brooklyn, N. Y.
Kallman, Schaffer Co., contrs., Schenectady, N. Y.
Kallmerten & Baer, contractors, Mansfield, Ohio.
Kalman, Jos., & Son, cornices, 361 Chelsea, E. B., Boston, Mass.

Kalman, Paul J., Co., Inc., concrete reinforcement, Merchants Nat'l, 22 W Monroe, Chicago, Ill.
Kalmath River Packers Ass'n, canned goods, Requa, Cal.
Kalo Brick & Tile Co., Fort Dodge, Ia.
Kalor, Fred. N. H., architect, Plattsburgh, N. Y.
Kalsa, Rudolph, elec. & gas light fixtures, 2320 S. Kedzie av, Chicago, Ill.
Kalsch, John, architect, 5400 Euclid av, Cleveland, Ohio.
Kalt Lbr. Co., lbr. mfrs., 324 E. 64th, New York.
Kaltenbach & Griess, steel struct. wk., Chamber of Commerce Bldg., Cleveland, Ohio.
Kaltenthaler, H. J., machsts., 234 Cherry, Philadelphia, Pa.
Kalter & Rolnick Iron Wks., 415 Dumont av, Brooklyn, N. Y.
Kaltzan & Myers, contractors, Davenport, Iowa.
Kam, John, Malting Co., 377 Genesee, Buffalo, N. Y.
Kamargo Supply Co., mill & facty. supplies, Watertown, N. Y.
Kamerer, Andrew, contrs., Harrisburg, Pa.
Kamerman, I., plumbers' & steam fitters' supplies, 1660 Park av, New York.
Kamerman, Israel, plbrs. suppls., 1642 Park av, New York.
Kaminski Hardware Co., Georgetown, S. C.
Kaminsky, Louis, Co., scrap iron and steel, Houston, Tex.
Kamlee Co., auto trucks, 448 E. Water, Milwaukee, Wis.
Kamman, Hy. A., meat packers, 447 Bailey av, Buffalo, N. Y.
Kamman Walter Mfg. Co., elevator cars, enclosure, fire doors, 3258 Spring Grove av, Cincinnati, Ohio.
Kammer & Ertle, cornices & skylights, Massillon, Ohio.
Kammerer, Edward W., architect, Lebanon, Ore.
Kamowski, Jos., contractor, Nanticoke, Pa.
Kamper, Louis, architect, Book bldg, Detroit, Mich.
Kampfe Bros, shaving brushes, razor strops, etc., 3303 Atlantic av, Brooklyn, N. Y.
Kankakee Automobile Co., Kankakee, Ill.
Kanapaux, C., & Co., contractors, Charleston, S. C.
Kanawha Brick Co., common, Charleston, W. Va.
Kanawha Mfg. Co., tipples mine, Charleston, W. Va.
Kanawha & Hocking Coal & Coke Co., Union Nat'l B'k bldg., Cleveland, Ohio.
Kandel Concrete Co., contrs., 100 W. 117th, New York.
Kandem Elec. Co., elec. motors, lamps, etc., 152 Chambers, New York.
Kane Blind & Screen Co., Kane, Pa.
Kane Brick Co., Kane, Pa.
Kane, Ed. J., contractor, Youngstown, Ohio.
Kane Flint Bottle Co., Kane, Pa.
Kane Glass Co., Kane, Pa.
Kane, H. S., canned goods, Brooklin, Me.
Kane, John, tubular boilers, Nyack, N. Y.
Kane, John P., Co., masons' & bldrs.' matrls., 103 Park av, New York.
Kane-Kelly Contrg. Co., Audubon, New Orleans, La.
Kane & Keyser Hardware Co., Belington, W. Va.
Kane, Michael B., architect, Edwardsville, Ill.
Kane, Michael, Brick Co., Hartford, Conn.
Kane, Michael J., contractor, 9 Wade, Worcester, Mass.
Kane & Roach, carriage builders' machinery, Syracuse, N. Y.
Kane Supply Co., mill & facty. supplies, Kane, Pa.
Kane, Wm., Mfg. Co., heaters, 1909 Adams, Philadelphia, Pa.
Kangaroo Mfg. Co., children's vehicles, 10 S. La Salle, Chicago, Ill.
Kankakee Foundry Co., Kankakee, Ill.
Kankakee Tile & Brick Co., Kankakee, Ill.
Kann, Norman K., architect, Park bldg., Pittsburgh, Pa.
Kann, Robt., chemist, 124 Front, New York.
Kanneberg Roofing & Ceiling Co., Canton, Ohio.
Kanner, Sam'l,, razor stroppers, 556 B'way, New York.
Kanouse, H. W., Lumber Co., Ford Bldg., Detroit, Mich.
Kanoy, C. E., lbr., Biscoe, N. C.
Kansas Buff Brick & Mfg. Co., Buffville, Kans.
Kansas City Bolt & Nut Co., Kansas City, Mo.
Kansas City Bridge Co., contrs., Orear-Leslie Bldg., Kansas City, Mo.
Kansas City Construction Co., 120 Spring, Kansas City, Mo.
Kansas City Elevator Mfg. Co., S. E. cor. 26th & Madison, Kansas City, Mo.
Kansas City Engine Works, 1613 Crystal av, Kansas City, Mo.
Kansas City Engineering Co., machsts., Scarritt Bldg., Kansas City, Mo.
Kansas City Flushing & Drain Co., roof flushing & floor drain, 1433 Main, Kansas City, Mo.
Kansas City Foundry Co., Kansas City, Kans.
Kansas City Furnace Co., 2429 Independence av, Kansas City, Mo.
Kansas City Galvanizing & Mfg. Co., Park & Edgar av, Kansas City, Mo.
Kansas City Hay Press Co., Kansas City, Mo.
Kansas City Htg. Co., 15th & Grand av, Kansas City, Mo.
Kansas City Mach. Wks., Kansas City, Mo.
Kansas City Motion Picture Co., moving picture films, 1017 Central av, Kansas City, Mo.
Kansas City Packing Box Co., Kansas City, Kans.
Kansas City Printing Ink Co., 400 Broadway, Kansas City, Mo.
Kansas City Pump Co., mill & facty., plumbers' & steam fitters' supplies, 1314 W. 10th, Kansas City, Mo.
Kansas City Radiator Co., steam & hot water, 31st, Kansas City, Mo.
Kansas City Rubber & Belting Co., pckg. mfrs., 710 Delaware, Kansas City, Mo.
Kansas City Scale & Supply Co., Kansas City, Mo.
Kansas City Sheet Metal & Furnace Co., cornices, 1318 St. Louis av, Kansas City, Mo.
Kansas City Slide Co., moving picture films & lantern slides, 1017 Central av, Kansas City, Mo.
Kansas City Soap Co., Kansas City, Kans., & Shawanee & R. R., Kansas City, Mo.
Kansas City Stained Glass Wks. Co., 1514 Wyandotte, Kansas City, Mo.
Kansas City Structural Steel Co., Kansas City, Mo.
Kansas City Terra Cotta & Faience Co., 19th & Manchester av, Kansas City, Mo.
Kansas City Testing Laboratory, Kansas City, Mo.
Kansas City Wire & Iron Wks., fndrs., Kansas City, Mo.
Kansas Co-operative Refining Co., Kansas City, Mo.
Kansas Milling Co., flour, Wichita, Kans.
Kanter & Altman, contractors, 1125 Commonwealth av, Boston, Mass.
Kanter, R. J., Co., lubricating oils, 647 Water, New York.
Kantor Bros., plbrs. & steam fitters supplies, 134 Lillie, Newark, N. J.
Kantrowitz, Morris, contractors, 20½ Market, Albany, N. Y.
Kantslip Co., cabinet benches, clamps, gauges, trucks, etc., Freeport, Mich.
Kanzler, Chris., & Son, contractors, Evansville, Ind.
Kaolin Mining Co., Franklin Bank Bldg., Philadelphia, Pa.
Kapailo Mfg. Co., artificial bldg. stone, 103 Park av, New York.
Kaplan, L., scrap rubber, Salem, Ohio.
Kaplan Louis H., architect, 1457 B'way, New York.
Kapowsin Mill Co., lbr., Kanpowsin, Wash.
Kapp, A. Jos., Sons Ivory Co., billiard & pool balls, 124 E. 14th, New York.
Kappen, F. H., & Son, mill & facty. supps., 93 W. Water, Milwaukee, Wis.
Kapple, Andrew C., contractor, Racine, Wis.
Kappler-Fox Fdry. Co., stove mfrs., York & Thompson, Philadelphia, Pa.
Kaps Bros., contractors & masons' & bldrs.' matls., Portsmouth, Ohio.
Kar Engineering Co., Inc., machsts, 79 E. 130th, New York.
Karamin Lbr. Co., Republic, Wash.
Karas Elec. Co., machsts., 215 W. Ill. Chicago, Ill.
Karus, Sigmund, machsts. & fndrs., Wausau, Wis.
Karbach, Chas., architect, 7229 Madison, Forest Park, Ill.
Karbatzki, J. B., & Son, machsts., 1302 W. 22d, Chicago, Ill.
Karcher, Jacob, mattresses, Castorland, N. Y.
Karcher & Smith, architects, 34 S. 17th, Philadelphia, Pa.
Kardell Tractor & Truck Co., St. Louis, Mo.
Kardong Bros., metal bending machy., Minneapolis, Minn.
Karelsen, E., glass cutters, 68 Nassau, New York.
Karge, Frank, stone, 5831 Bishop, Chicago, Ill.
Karges, H. Gilbert, architect, Furniture Bldg., Evansville, Ind.
Karges Wagon Co., Evansville, Ind.
Karle, A., carriages, St. Joseph, Mo.
Karle Litho. Co., 444 Central av, Rochester, N. Y.
Karle & Sons, saws, joiners, 142 Chicago, Buffalo, N. Y.
Karnes Bros., canned goods, Buchanan, Va.
Karnes, Howard, harness, etc., Knoxville, Tenn.
Karnes, W. M., & Sons, contractors, Paducah, Ky.
Karol, B., plumbers' supplies, 800 S. Kedzie av, Chicago, Ill.
Karpen, S., & Bros., revolving chairs, 900 S. Mich., Chicago, Ill.
Karr, Francis, Co., bed springs, mattresses, 1322 W. Monroe, Chicago, Ill.
Karr Portable House Co., 2554 W. Irving Pk. blvd., Chicago, Ill.
Karr Supply Co., mill & facty. supplies, Belleville, Ill.
Karr, Thos. H., contractor, Troy, N. Y.
Karr, Wallace V., architect, Westfield, Mass.
Karry Lode Industrial Truck Co., 100 Nott, Long Island City, N. Y.
Karstadt, J. G., contractor, Lemcke Bldg., Indianapolis, Ind.
Karstens, August, brick, Moline, Ill.
Kartheiser, Frank, sash, door & blind, Menominee, Mich.
Kasch Roofing Co., Akron, Ohio.
Kasdorf, Walter O., contractor, 1099 Halton, Milwaukee, Wis.
Kasebier Chatfield Shellac Co., 175 Pearl, New York.
Kasenit Co., case hardening compounds, 11 Water, New York.
Kashner C. D. & Son, architects, Lafayette, Ind.
Kasoff L., architect, 1441 Bryant av, New York.
Kasota Marble & Tile Co., Kasota, Minn.
Kasper & Koetzle Hdwe. Co., Inc., mill & facty. supplies, 565 Bushwick, Brooklyn, N. Y.
Kasper Stamp & Seal Co., 1103 Locust, St. Louis, Mo.
Kassing, Henry, contractor, Utica, N. Y.
Kast Copper & Sheet Iron Co., 91 Main, Buffalo, N. Y.
Kast, M. I., architect, Commonwealth Tr. Bldg., Harrisburg, Pa.
Kasten & Schmuke Pressed Brick Co., Jackson, Mo.
Kastens H'y., time recorders & stamps & numbering mach., 418 W. 27th, New York.
Kaster, P. M., agricultural implements, Rimersburg, Pa.
Kastler, J. G., & Co., architects, Ch. of Com. Bldg., Detroit, Mich.
Kastner, A. & J. B., cornices & skylights, Tacoma, Wash.
Kastner, Chas., cornices & skylights, Salina, Kans.
Kastner Cut Stone Co., Memphis, Tenn.
Kastner, Julius, architect, 600 E. 18th, Brooklyn, N. Y.

r, Adolph, & Bros., cutlery mfrs., razors, scizzors,etc., 109 Duane, New York.
rin Bros., architect, Hotel Statler, Detroit, Mich.
ien, Barnett Iron Wks., 107 Hunterdon, Newark, N. J.
s, Geo. W., contractor, Avalon, N. J.
rjohn, F. W., Cons. Co., masons' & bldrs.' matls., Paducah, Ky.
rjohn, G. W., contractor, Paducah, Ky.
nann & Kneeland Tent Co., Houston, Tex.
Bros. Leather Goods Co., 135 W. 20th, New York.
Construction Co., Brandeis Theatre Bldg., Omaha, Nebr.
& Feiner, architects, 505 5th av, New York.
S. Walter, architects, 505 5th av, New York
Saml., cornices & skylights, 439 E. 23d, New York.
Wm., & Co., thermometers, 1368 De Kalb, Brooklyn, N. Y.
Wm. P., architect, 12 N. B'way, Yonkers, N. Y.
nbach & Bullock Co., chemicals, 440 Washington, New York
nbach, F. S., & Co., wholesale hdwe., electrical, mill & acty. & plumbers' supplies, Trenton, N. J.
nstein, Leopold, & Co., mill & facty. supplies, 358 West, New York.
nger, Edw., Co., confectioners' gas furnaces, dough dividing machs., 122 N. Peoria, Chicago. Ill.
ier, Hodges & Co., contrs., Memphis, Tenn.
man Engng. Co., machsts., St. Louis, Mo.
man, F. A., Mfg. Co., canned goods, 106 S. 2d, St. Louis, Mo.
man, Harry M., machsts., Windom, Pa.
man, J. L., machsts. & fndrs., Garden City, Mo.
man Pasteurizer Co., Three Rivers, Mich.
man, William, architect, Conestoga Bldg., Pittsburg, Pa.
ierr & Co., patent leather, 42 Garden, Newark, N. J.
e, John, contractor, Landsdale, Pa.
ian, A. G., Mfg. Co., stoves, heaters, etc., 210 5th av, New York.
nan, Benj., & Sons, prepared cereal foods, etc., 178 Stanton, New York.
nan, David, & Sons Co., scrap iron & steel, Elizabeth, N. J.
nan, E., & Co., steel mfrs., Farmers Bank Bldg., Pittsburgh, Pa.
nan, E. L., & Co., plate glass, Liberty & Fayette, Baltimore, Md.
nan-Haas Heating Co., 1117 23d, Milwaukee, Wis.
nan Hardware Co., Anderson, Ind.
nan, Jacob, Co., fertilizer mfrs., Seattle, Wash.
nan, Jos., cereal foods, 148 Ludlow, New York.
nan, Lewis R., architect, 373 4th av, New York.
nan, M., scrap rubber, 347 N. Sheldon, Chicago, Ill.
nan Mach'y Co., dealers, 89 Center, New York.
nan Mfg. Co., spring beds, etc., Ashland, Ohio.
nan Mill'g Co., prepared cereal foods, etc., 148 Ludlow, New York.
nan, W. R., architect, Amarillo, Tex.
nan, Wm. S., & Son, architects, Kelly & Hutchinson Bldg., Richmond, Ind.
nann Bros. & Bondy, smoking pipes, 33 E. 17th, New York.
nann, K., & Co., bags & suit cases, 169 Murray, Newark, N. J.
nann, Killan & White, architects, 110 E. 23d, New York
nann & Strauss Co., metal signs, litho., 54 W. 21st, New York.
una Lumber & Mfg. Co., Kaukauna, Wis.
una Machine Works, paper mill machy., Kaukauna, Wis.
una Pulp Co., Kaukauna, Wis.
Clay Mfg. Co., Toronto, Ohio.
& Hall Lumber Co., St. Marys, Pa.
J. & A., machsts. & fndrs., St. Mary's Pa.
Lumber Co., Birmingham, Ala.
agraph Co., trade mark transfers, 209 W. 38th, New York.
er, John C., architect, Port Huron, Mich.
ack, W. S., masons' & bldrs.' matrls., Malden, Mass.
l, John, machinist, Minneapolis, Minn.
ne Co., dry earth closets, Buffalo, N. Y.
Fred. C., & Co., name plates; rubber stamps, stencils, etc., 2633 W. Lake, Chicago, Ill.
r Bros., architects, Dol. Sav. & Tr. bldg., Pittsburgh, Pa.
agh Bros. & Co., corn brooms, 1234 W. Kinzie, Chicago, Ill.
agh Bros. Co., crushed stone & granite, Quincy, Mass.
agh, Hugh I., architect, 913 N. Calvert, Baltimore, Md.
agh, Jos., Co., coppersmiths, Pratt & Central av, Baltimore, Md.
augh, Daniel, lumber, Williamsport, Pa.
augh, Edward F., contr., Wallingford, Conn.
augh, Geo. W., mill & facty. supplies, Cohoes & Utica, N. Y.
augh, Patrick H., cornices, Peoria, Ill.
augh Sand Co., Memphis, Tenn.
Boiler Works Co., Kansas City, Kansas.
Milling Co., flour, Topeka, Kans.
Paving Co., Topeka, Kans.
. Chas. C., Co., chemists, 417 S. Dearborn, Chicago Ill.
ar Cabinet Co., chemical closets, 1766 Wabash av, Kansas ty, Mo.
Ess Co., paint mfrs., varnishes, etc., Dayton, Ohio.
I. E. (Est. of), machsts. & fndrs., Fall River, Mass.
umber Co., Franklin Bank Bldg., Philadelphia, Pa.

Kay, T., Woolen Mill Co., Salem, Ore.
Kayline Co., elec. & gas fixtures, 312 High av, Cleveland, Ohio.
Kaylor, John, brick, McClure, Ohio.
Kaysee Co., factory trucks, 519 W. Monroe, Chicago, Ill.
Kayser & Allman, wall paper mfrs., 1522 Chestnut, Phila., Pa.
Kayser, Julius, & Co., knitted gloves & mittens, 353 4th av, New York.
Kayser Tanning Co., belt lacing, 3914 N. B'way, St. Louis, Mo.
Kaysing Iron & Fndry. Co., ornamental iron & structural steel, 2521 Montgomery, St. Louis, Mo.
Kaysville Brick Co., Salt Lake City, Utah.
Kaysville Canning Corp., Kaysville, Utah.
Kazoo Go-Bang Co., toys, Kalamazoo, Mich.
Kazoo Co., musical instruments, 535 E. Utica, Buffalo, N. Y.
K. B. C. Co., carbureters, 2015 Mich. av, Chicago, Il.
K. & B. Co., tel. cord weights, 497 N. 3rd, Philadelphia, Pa.
K. & B. Packing & Prov. Co., Denver, Colo.
K.-B. Pulverizer Co., Inc., crusher machy., etc., 92 Lafayette, New York
K. C. Elevator Mfg. Co., 2601 Madison av, Kansas City, Mo.
K. C. Generator Co., Kansas City, Mo.
K. & C. Mfg. Co., rims—auto., carriage & wagon wheel. Henniker, N. H.
K. D. Carburetor Co., Hamilton & Marquette, Cleveland, Ohio.
Keafer, L., billiard & pool tables, 329 W. Girard av, Phila., Pa.
Keagy, Henry W., lumber, Hagerstown, Ind.
Keagy & Lear Machine Co., mill & facty. supplies, Coshocton, O.
Keane, P. J., & Son, contractors, Manchester, N. H.
Kear, H. J., contractor, St. Clair, Pa.
Kearby, E. J., & Co., advtg. spec., St. Joseph, Mo.
Kearfott, Clarence B., architect, Bristol, Tenn.
Kearney Flour Mills, Kearney, Neb.
Kearney Fdry., Mach. & Auto. Co., Kearney, Neb.
Kearney Hardware Co., cornices & skylights, Kearney, Neb.
Kearney, J. Watts, & Sons, masons' & bldrs.' matls., 514 S. Peters, New Orleans, La.
Kearney, John, & Co., steam htg. contrs., 523 Ringgold, Cincinnati, Ohio.
Kearney, P. H., & Sons, coppersmiths, 1102 Clinton, Hoboken, N. J.
Kearney, Thos., contractor, Meriden, Conn.
Kearney & Trecker Co., milling machines, W. Allis, Milwaukee, Wis.
Kearns, Gorsuch Bottle Co., Zanesville, Ohio.
Kearns Motor Truck Co., Beavertown, Pa.
Kearns, P. J., Contracting Co., 2306 Creston av, New York.
Kearns, Patrick, contractor, Orange, N. J.
Kearns, T. A., Co., contractors & dock bldrs., 343 S. Dearborn, Chicago, Ill.
Kearns, W. F., Co., concrete steel const., John Hancock Bldg., Boston, Mass.
Kearsarge Peg Co., Bartlett, N. H.
Keasbey & Mattson Co., asbestos gds., etc., Ambler, Pa.
Keasbey, Robt. A., Co., mill & facty. supplies, 445 West, New York.
Keasey Mfg. Co., see S. C. Regulators Mfg. Co. (successors).
Keasey, N. T., Lbr. Co., Brazil, Ind.
Keating, E. F., Co., plumbers' supplies—jobbers, 446 Water, New York.
Keating, J. L., Co., sand & gravel dlrs., 236 E. 35th, New York.
Keating, Jas. A., & Co., steam fitters' supplies, 105 Christopher, New York.
Keating, John S., contractor, Poughkeepsie, N. Y.
Keating, M., & Son Co., floor mosaics, 4046 Wentworth av, Chicago, Ill.
Keating Wm. Co., contr., Sacramento, Cal.
Keaton Bros., cooperage stock, Memphis, Tenn.
Keays, A. A., cornices & skylights, 317 E. 7th, Los Angeles, Cal.
Keck, Bert D., architect, Crookston, Minn., & Grand Forks, N. D.
Keck & Co., meat packers, Pottstown, Pa.
Keck-Gonnermann Co., agricultural implts., Mount Vernon, Ind.
Keckley, O. C., Co., steamfitters' supplies, 318 W. Washington, Chicago, Ill.
Keckonen Hardware Co., Calumet, Mich.
Kedzie Fdy. Co., 3234 W. 31st, Chicago, Ill.
Kee Lox Mfg. Co., Rochester, N. Y.
Keeber C. H., architect, 109 N. Dearborn, Chicago, Ill.
Keeble, Alex. K., machsts. & fndrs., Lawrence, Mass.
Keefe Construction Co., Sioux City, Ia.
Keefe Chas. S., architect, 101 Park av, New York
Keefe, John J., Co., see Keefe Constr. Co. (successors.)
Keefe, Lawrence (Est.), machsts. & fndrs., Thibodeaux, La.
Keefer & Bailey, contractors, Huntington, Ind.
Keefer, Elisha H., & Son, contrs., 1321 Rodman, Philadelphia, Pa.
Keefer, Geo. H., contractor, Mt. Carmel, Pa.
Keefer, Hy., crushed stone, Huntington, Ind.
Keefer, John S., contractor, Sunbury, Pa.
Keefer & Maxwell, sweaters, etc., Camillus, N. Y.
Keefer, Peter R., contractor, Sunbury, Pa.
Keeber, Thomas F., contractor, Newport, R. I.
Keeler Brass Co., machsts. & fndrs., Grand Rapids, Mich.
Keeler, E., Co., mill & facty. supplies, Williamsport, Pa.
Keeler Fred. B., contr., Earlville, Ill.
Keeler Fred S., architect, 203 W. 13th, New York
Keeler Lumber & Fuel Co., masons' & bldrs.' matls., Beloit, Wis.
Keeler, Peter, Bldg. Co., 425 Orange, Albany, N. Y.
Keeler, W. P., cornices & skylights, Spokane, Wash.

Keeley, Jas. J., waste closet tanks, Jackson, Mich.
Keeley, Jerome, & Co., scrap iron & steel, 421 Chestnut, Philadelphia, Pa.
Keeley, John, & Patrick, contrs., East St. Louis, Ill.
Keeley Stove Co., Columbia, Pa.
Keely, S. S., & Son, sash, door & blind mfrs., Main & Umbria, Philadelphia, Pa.
Keeman, Otto A., architect, Stafford & Trainor, Wilkes-Barre, Pa.
Keen, C. C., lbr., Redding, Cal.
Keen, Chas. Barton, landscape archt., 1218 Chestnut, Phila., Pa.
Keen Kleener Mfg. Co., soap, Ottawa, Ill.
Keen, W. B., & Son, carriages, Malden, Mass.
Keen, W. F., & Co., sash, door & blind mfrs., 4317 York rd, Baltimore, Md.
Keenan, Samuel, contractor, Parkersburg, W. Va.
Keenan Structural Slate Co., Bangor, Pa.
Keenan, W. H., slate, Bangor, Pa.
Keenan, Walter C., architect, Strand bldg., New Orleans, La.
Keenan, Walter F., & Bros., pipe valves, fittings, etc., 120 Worth, New York
Keene-Belvidere Canning Co., Belvidere, Ill.
Keene Bros. Mach. Co., Elkhart, Ind.
Keene Canning Co., Freeport, Ill.
Keene, Chas. A., emblem & eng. adv. jlry, 180 B'way, New York.
Keene Fred H., steel figures & letters, 152 Chambers, New York.
Keene, Geo. C., & Co., machsts., 2327 Florence av, Cincinnati, O.
Keene Glue Co., Keene, N. H.
Keene Mica Products Co., insulating cloth, 34 W. 33d, New York.
Keene, R. A., & Son, canned goods, Poland, Me.
Keene & Simpson, architects, Reliance Bldg., Kansas City, Mo.
Keene Woodenware Co., pails & buckets, Keene, N. H.
Keener, Geo. I., common brick, Weston, W. Va.
Keener, S. N., Co., sash, door & blind mfrs., Newark, N. Y.
Keener Sand & Clay Co., Hartman bldg., Columbus, Ohio.
Keeney, H. M., architect, Winston-Salem, N. C.
Keenoh Co., razor stroppers, 82 First, Detroit, Mich.
Keep Bros., mill & facty. supplies, 225 Sansom, Phila., Pa.
Keeport, A. B., & Co., masons' & bldrs.' matls., 620 N. Senate, Indianapolis, Ind.
Keery Chemical Co., Hancock, N. Y.
Keery, Thos., Co., chemicals, Hancock, N. Y.
Kees, F. D., Mfg. Co., machsts. & fndrs., Beatrice, Neb.
Kees, G. A., Domestic Engineering Co., contrs., St. Paul, Minn.
Kees Metal Bldg., Specialties Co., Phelan Bldg., San Francisco, Cal.
Kees, Wm. J., pckg. box mfrs., 113 N. Orianna, Philadelphia, Pa.
Kees & Colburn, architects, Plymouth bldg., Minneapolis, & Lowery Annex, St. Paul, Minn.
Keese & Chamberlin Bros., common brick, Litchfield, Ill.
Keesing & Son, flour mills, Cedar Springs, Va.
Keeveny, T. W., Lbr. Co., 1045 W. 8th, Cincinnati, Ohio.
Keever Starch Co., Chamber of Commerce Bldg., Columbus, O.
Keevil, A. S., envelopes, 4331 Sacramento, St. Louis, Mo.
Kefauver & McLaran, contractors, Equitable Bldg., Balto., Md.
Keffer & Jones, architect, Hubbel Bldg., Des Moines, Ia.
Keffer, Wm., smoking pipes, 1128 N. Orianna, Philadelphia, Pa.
Keffler Bros., machinists, Malvern, Ohio.
Kegler, G. F., granite producers, Plymouth, Wis.
Kehl, G., & Son Co., contractors, 1225 N. Maplewood av, Chicago, Ill.
Kehl Mercantile Co., lbr., Northport, Mich.
Kehm, A. O., Castings Co., Birmingham, Ala.
Kehm Bros. Co., heating contrs., high & low pressure, 15 W Kenzie, Chicago, Ill.
Kehm, Jno. R., Co., heating contrs., 8 E. Austin, Chicago, Ill.
Kehoe, Alfred L., & Co., architects, 657 W. 183d, New York.
Kehoe, C. C., machsts., Schenectady, N. Y.
Kehoe & Co., stone producers, Hazelton, Pa.
Kehoe Display Fixture Co., bank railings, 541 Market, San Francisco, Cal.
Kehoe Iron Wks., Savannah, Ga.
Kehoe & Mowery Co., contractors, Wilkes-Barre, Pa.
Kehr, A. P., Co., stone, Buffalo, N. Y.
Kehr Packing Co., meat, 3832 Cote Brillante av, St. Louis, Mo.
Keich, R. J., architect, Warren, Ohio.
Keidel, Hy., & Co., whol. hdwe., 405 W. Redwood, Baltimore, Md.
Keighley, Chas., & Sons, machsts., Vineland, N. J.
Keighley, S., Metal Ceiling & Mfg. Co., metal ceiling & lockers, 124 3d av, Pittsburgh, Pa.
Keil-Dedlow Mfg. Co., saw filing machinery, Plainview, Neb.
Keil, Francis, & Son, hdwe. mfrs., 401 E. 163d, New York.
Keim Brick & Tile Co., Louisville, Ohio.
Keim, T. B., architect, Haas bldg., Los Angeles, Cal.
Keimig, Louis J., architect, 299 Madison, New York
Kein, Reuben, contractor, Easton, Pa.
Keiner-Williams Stamping Co., Richmond Hill, N. Y.
Keiper, Howard O., contractor, Easton, Pa.
Keiser Bros., machsts. & fndrs., Hamburg, Pa.
Keiser, F. H., & Co., contractors, Pottstown, Pa.
Keiser, Geo., & Co., farm machy., mill, facty. & plumbers' supplies, Muncie, Ind.
Keiser Mfg. Co., machsts. & fndrs., Reading, Pa.
Keiser-Van Leer Co., whol. hdwe., mill, facty. & plumbers' supplies, Bloomington, Ill.
Keister, A. L., & Co., coke mfrs., Scottdale, Pa.
Keister, Geo., architect, 56 W. 54th, New York.
Keith Bros., flour mills, Buffalo, Ky.
Keith Car & Mfg. Co., Sagamore, Mass.
Keith, Fred W., architect, Bismark, N. D.
Keith Furnace Co., Des Moines, Ia.
Keith Geo. H., architect, Hutton bldg., Spokane, Wash.
Keith Herbert C., consulting engnr., 13 Park Row, New York
Keith & Hiles Lumber Co., Crandon, Wis.
Keith, Irving L., mill & facty. supps., Haverhill, Mass.
Keith, J. M., & Co., wood handles, Eastford, Conn.
Keith Lumber Co., Beaumont, Tex., & 2350 Laflin, Chicago, Ill
Keith Mfg. Co., elec. fixtures, Clinton, N. Y.
Keith Paper Co., Turners Falls, Mass.
Keith, R., Furniture & Carpet Co., mattresses, Kansas City, Mo
Keith, Simmons & Co., whol. hdwe., mill & facty. supplies, Nashville, Tenn.
Keith, Walter J., archt., 1722 Hennepin av, Minneapolis, Minn
Keith, Wm. S., soap, Milford, N. H.
Keithly Co., plumbers' supplies—jobbers, Houston, Tex.
Kelham, Geo. W., archt., Sharon Bldg., San Francisco, Cal.
Kelk Carriage Wks., Sedalia, Mo.
Kelker Blower Co., 2383 Filmore av, Buffalo, N. Y.
Kelker, Thos. M., architect, 16 N. 2d, Harrisburg, Pa.
Kell Bros., masons' & bldrs.' matls., Lexington, Ohio.
Kell Milling Co., flour, Vernon, Tex.
Kellar, O. J., Lime Co., Frederick, Md.
Kellar-Thomason Co., see Martin Iron Wks. (successors).
Kellaway, Herbert J., landscape archt., 12 West, Boston, Mass
Kelleher, John J., scrap iron & steel, 89 Tomkins, New York.
Keller, A. C., Collar Co., Council Bluffs, Ia.
Keller, A. E., oven bldrs., 136 Beekman, New York.
Keller, Andrew, machst, Tiffin, Ohio.
Keller Brick Co., Cuyahoga Falls, Ohio.
Keller Bros., contractors, Harmon rd, Philadelphia, Pa.
Keller Bros., masons' & bldrs.' matls., 6347 Station, Pittsburgh Pa.
Keller, C., Co., contractors, 210 Moran, Detroit, Mich.
Keller, Chas. J., architect, 221 Grand, Milwaukee, Wis.
Keller, C. M., machst. & fndr., Columbus, Ind.
Keller-Crescent Co., advtg. novelties, Princeton, Ind.
Keller-Dunham Piano Co., Scranton, Pa.
Keller, Frank P., architect, Monongahela, Pa.
Keller, G. M., & Son, brick & tile, Attica, Ohio.
Keller, G. P., balances (assay & analytical), Salt Lake City Utah.
Keller, Geo., architect, 24 Park Terrace, Hartford, Conn.
Keller, George, coppersmith, 1051 Wyckoff av, Brooklyn, N. Y.
Keller, Geo., Pottery Co., 2618 Herndon, Chicago, Ill.
Keller Glove Mfg. Co., Inc., Plumsteadville, Pa.
Keller, H. P. S., architect, Raleigh, N. C.
Keller, Hy., & Sons, pianos, Whitlock av & 156th, New York.
Keller, J. D., blankets, flannels, woolens, Houserville, Pa.
Keller & Jeffirs, machsts. & fndrs., Plymouth, Ind.
Keller, John, glass stainers, 742 Macon, Brooklyn, N. Y.
Keller, John H., flour mills, Fisher's Hill, Va.
Keller Knitting Co., sweaters, cardigans, 5100 Euclid av, Cleveland, Ohio.
Keller, Luther, lime mfrs., masons' & bldrs.' matls., Scranton Pa.
Keller Mfg. Co., agricultural implements, 1325 N. E. Quincy Minneapolis, Minn.
Keller Mfg. Co., case hardening, 21st, Allegheny, Phila., Pa.
Keller Mfg. Co., wagons, Corydon, Ind.
Keller Mechanical Engineering Co., dies & die cutting machines 70 Washington, Brooklyn, N. Y.
Keller & Milliken, masons' & bldrs.' matls., Braddock, Pa.
Keller Pneumatic Tool Co., Fond du Lac, Wis.
Keller Pottery Co., Norristown, Pa.
Keller Printing Co., street ry. tickets, 295 Lafayette, New York
Keller, Robt., Irish moss, brewers' machy., 334 N. 3d, Phila., Pa
Keller, Robt., Ink Co., paste, 149 Brooklyn, Detroit, Mich.
Keller & Sons, stone producers, Ft. Wayne, Ind.
Keller & Tamm Mfg. Co., wagon spokes; handles, etc., Victor & Leeve, St. Louis, Mo.
Keller, Walter S., architect, Timken Bldg., San Diego, Cal.
Keller, Walter S., Esq., archit., 720 Jefferson av, East, Detroit Mich.
Keller, Wm. H., & Son, pianos, Easton, Pa.
Kellermaen, N., Contracting Co., general contractors, Internat Life Bldg., St. Louis, Mo.
Kellerstrauss Dist. Co., 320 N. 2nd, St. Louis, Mo.
Kelley Bros., contractors, Haverhill, Mass.
Kelley Bros., willow ware mfrs., Gardner, Mass.
Kelley Bros. & Spielman, whiting & Paris white mfrs., Swanson & Moore, Philadelphia, Pa.
Kelley Canning Co., Waverly, Ia.
Kelley-Clark Lbr. Co., Gradyville, Ga.
Kelley, E. B., Co., machy. dlrs., Grand Central Bldg., New York
Kelley, Edw., heating contr., Fall River, Mass.
Kelley Elec. Co., interior telephones, 120 Opera pl., Cincinnati Ohio.
Kelley Electric Mach. Co., Buffalo, N. Y.
Kelley, Frederic P., architect, 477 5th av, New York.
Kelley, H. M., & Co., masons' & bldrs.' matls., Harrisburg, Pa.
Kelley-How-Thomson Co., whol. hdwe., mill & facty. supplies Duluth, Minn.
Kelley Island Lime Co., Duluth, Minn.
Kelley Island Lime & Transport Co., mfg. of lime & limeston products, Leader News Bldg., Cleveland, Ohio.

Jas. F., & Sons Co., granite, Quincy, Mass.
James T., architect, 57 Mt. Vernon, Boston, Mass.
John, contrs., S. Sal. & Brighton av, Syracuse, N. Y.
John A., Co., contractors, Penna Bldg., Phila., Pa.
John M., contractor, Camden, N. J.
Jos., sash, door & blind, Reedsville, Pa.
Koetl Mfg. Co., X-ray apparatus, Covington, Ky.
M. A., Broom Co., Leavenworth, Kans.
Samuel Dudley, architect, 46 Cornhill, Boston, Mass.
& Shefchik, architect, Alsworth Bldg., Duluth, Minn.
Samuel Dudley, architect, 209 Washington, Boston, Mass.
Spear Co., ship builders, Bath, Me.
Thos. F., architect, 107 Wall, Bridgeport, Conn.
, H. C., Constr. Co., 885 7th, Milwaukee, Wis.
Piano Co., Hazleton, Pa.
, Jas. A., Cut Stone Co., Yonkers, N. Y.
, Alfred K., architect, 6 N. Clark, Chicago, Ill.
Brick & Tile Works, Kellogg, Ia.
Bros., teasels, Skaneateles, N. Y.
Bros. & Co., machsts. & fndrs., Jacksonville, Ill.
Bros. Lumber Co., Grand Rapids, Wis.
& Buck, flour mills, Morenci, Mich.
Burlingame Co., mill & facty. supps., Grand Rapids, h.
, Chas. C., & Sons Co., plate glass, Utica, N. Y.
, E. H., Co., oils & greases, 243 South, New York.
Food Co., Battle Creek, Mich.
H., harness, saddles & strap wk., Hudson, Mich.
Harold Field, architect, 93 Federal, Boston, Mass.
Lbr. & Mfg. Co., Long Pond, Maine.
M. W., Co., piping mfrs., 90 West, New York.
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Mackey Co., heating contrs., plumbers & steamfitters' pplies, 419 W. 18th, Chicago, Ill.
Mfg. Co., pumps, Rochester, N. Y.
Marble Co., Carthage, Mo.
P. P., & Co., plain envelopes, Springfield, Mass.
Spencer, & Sons, linseed oil & cake mills, Buffalo, N. Y.
Structural Steel Co., 31 Stone, Buffalo, N. Y.
Switchboard & Supply Co., 1066 W. Adams, Chicago, Ill.
T. D., Lumber & Mfg. Co., carriage hubs, Antigo, Wis.
Toasted Corn Flake Co., cereal foods, Battle Creek, Mich.
W. H., machsts. & fndrs., Sebewaing, Mich.
& Miller, linseed oil mills, Amsterdam, N. Y.
Ill & Lbr. Co., Java & Provost, Brooklyn, N. Y.
J., Mfg. Co., auto. hoods, tanks, radiators, etc., 521 W. h, New York.
R., architect, Story Bldg., Los Angeles, Cal.
kinson Construction Co., 189 W. Madison, Chicago, Ill.
uto. Co., wire wheels, 4560 W. Congress, Chicago, Ill.
xe Mfg. Co., Charleston, W. Va.
enj. F., & Son, see Patterson Kelly Co. (successors).
Boland, contrs., Summit, N. J.
Boland, contrs., East Orange, N. J.
rass Wks., 226 W. Ontario, Chicago, Ill.
ros., children's carriages, rattan furn., Gardner, Mass.
ros., contrs., Frankfort, Ind.
ros., contractors, Portsmouth, Ohio.
ros., stone prod., 93 Charter Oak, Hartford, Conn.
os. Coal Co., bituminous, Snow Shoe, Pa.
., & Son, contrs., Everett, Wash.
hristopher, brick, Fisher's av & Clinton, Olney, Philahia, Pa.
hen Fdry. Co., gray iron castings, Canton, Ohio.
onstr. Co., Bryan, Ohio.
. B., wood handles, Lucas, Mich.
. L., Lumber Co., Warrenton, Ore.
rby Co., store trucks, steam traps, etc., People's Gas ., Chicago, Ill.
. Co., paper fasteners, Derby, Conn.
oundry & Machine Co., 614 Ninth, Goshen, Ind.
iry. & Mach. Wks., Mount Gilead, Ohio.
rank E., architect, 16 Court, Brooklyn, N. Y.
. A., Plow Co., Longview, Tex.
& Co., mill & facty. supplies, Plymouth bldg., Min raphite Mills, 355 W. 26th, New York.
eo. T., contractor, Yonkers, N. Y.
olis, Minn.
. M., architect, Broad & 5th, Columbus, Ga.
ndle Bar Dept. Am. Stove Co., 5017 Perkins av, N. E., eland, Ohio.
ndle Co., wood, Charleston, W. Va.
ugh A., architect, 38 Park av, New York.
K., & Co., turpentine, Griffin, Fla.
W., & Son, carriages, Marietta, Ohio.
ohn C., & Sons, carriages, 5215 Gtn. av, Phila., Pa.
ohn E., Jr., architect, Empire bldg., Seattle, Wash.
ohn F., architect, P. O. Bldg., Passaic, N. J.
ohn H., contractor, 1208 E. Biddle, Baltimore, Md.
ohn J., contractor, Newport, R. I.
o., & Son, sash, door & blind mfrs., Malone, N. Y.
Jones Co., pipe fittings & plumbers' supplies—jobbers, Water, Pittsburgh, Pa.
Kelly, Inc., contrs., Long Island City, N. Y.
Kennedy, fndrs., Oneida, N. Y.
J., Mfg. Co., lifting jacks, Albany, N. Y.
onard & Forrester Co., corn brooms, Ogdensburg, N. Y.

Kelly-Linehan Belting Co., 33 Minna, San Francisco, Cal.
Kelly Lbr. Co., Sault Ste. Marie, Mich.
Kelly, M. B., aluminum sheets, rods, Park Bldg., Pittsburgh, Pa.
Kelly & McLaughlin, patent leather, 93 Golden, Newark, N. J.
Kelly Machine Co., Troy, Ohio.
Kelly Mfg. Co., tubular boilers, burial vaults, etc., Bucyrus, O.
Kelly, Michael, machst. & fndr., Parkersburg, W. Va.
Kelly Mill Co., feed, Kansas City, Mo.
Kelly Nail & Iron Co., Ironton, Ohio.
Kelly, Nicholas, & Son, glass molds, 1704 Wharton, Pitts., Pa.
Kelly, O. S., Co., machsts. & fndrs., Springfield, Ohio.
Kelly, P. H., contractor, Lippincott Bldg., Philadelphia, Pa.
Kelly, Patrick, & Son, stone producers, Easton, Pa.
Kelly, R. A., Co., cordage & twine mfrs., Xenia, Ohio.
Kelly Reamer Co., Kelly reamers & boring tools, 1553 Columbus rd, Cleveland, Ohio.
Kelly-Springfield Motor Truck Co., Springfield, Ohio.
Kelly-Springfield Tire Co., B'way & 57th, New York.
Kelly & Steinman, cut glassware, Deposit, N. Y.
Kelly, T. P., & Co., foundry supplies, 355 W. 26th, New York.
Kelly, Timothy J., architect, 707 Morris Pk. av, New York
Kelly, Thos., & Bros., machinists, 404 S. Kelmar av, Chicago, Ill.
Kelly, Thos., & Co., horse blankets, 89 Chauncy, Boston, Mass.
Kelly, Thos. P., contrs., Anderson, Ind.
Kelly, W. D., Co., contrs., Canton, Ohio.
Kelly, Wm. J., sheet metal ornaments, 446 Adelphi, Bklyn., N. Y.
Kelly's, James T., Sons, scrap iron & steel, 249 Greene, Brooklyn, N. Y.
Kelman Elec. & Mfg. Co., Los Angeles, Cal.
Kelmorgen, Leo, contr., Kamiah, Ia.
Kelsay, Newton, hame chains, machsts, etc., Evansville, Ind.
Kelsey, Albert, architect, Perry Bldg., Philadelphia, Pa.
Kelsey, F. W., Nursery Co., landscape architect, 150 B'way, New York.
Kelsey & Freeman, lumber, Toledo, Ohio.
Kelsey, Harlan P., architect, Salem, Mass.
Kelsey Htg. Co., steam & hot water contr., 103 Park av, New York.
Kelsey Heating Co., warm air furnaces, Syracuse, N. Y.
Kelsey, Horatio, handles & wagon spokes, Clinton, Conn.
Kelsey Press Co., machsts. & fndrs., Meriden, Conn.
Kelsey, W. E., & Son, lumber mfrs., North Tonawanda, N. Y.
Kelsey Wheel Co., brake drums, 1203 Military av, Detroit, Mich.
Kelsh, Hy., machst., South River, N. J.
Kelso & Co., fruit & veg. pulp rubbing machy., 559 W. Quincy, Chicago, Ill.
Kelso & Co., pianos, 16 Horatio, New York.
Kelso Lbr. Co., Kelso, Wash.
Kelso Mfg. Co., brake linings & clutch facings, Trenton, N. J.
Kelting, Alb. J., machst. & fndr., 459 Carroll, Brooklyn, N. Y.
Kelton's, M. M., Son, printing presses & machy., 76 S 8th, Brooklyn, N. Y.
Kelty, S. L., canned goods, Quinton, N. J.
Kelvin Engng. Co., sugar plant construction, 32 B'way, New York.
Kelvin & Wilfred O. White Co., navigation equipt., 112 State, Boston, Mass.
Kelvinator Corp., refrigerating machy., 621 W. Fort, Detroit, Mich.
Kelwin, H. J., architect, Babylon, N. Y.
Kemco Elec. Mfg. Co., auto starters, Salem, Ohio.
Kemlein & Leahy, marble interior wk., Onyx, Long Island City, N. Y.
Kemler Lbr. Co., 1168 N. Halsted, Chicago, Ill.
Kemmer, Alva E., contractor, Lafayette, Ind.
Kemmerer, C. J., contractor, Ambler, Pa.
Kemmerer Coal Co., Kemmerer, Wyo.
Kemmeter, Gottlieb, brick, Jefferson, Wis.
Kemnitz, Emil, glass stainers, Memphis, Tenn.
Kemp, Alex., granite, S. Quincy, Quincy, Mass.
Kemp, C. M., Mfg. Co., fuel gas machines & burners, mfrs., Balto., Md.
Kemp, F. H., architect, Beloit, Wis.
Kempe, H. F., & Co., belt lacing, 565 Washington Blvd., Chicago, Ill.
Kemp, J. W., flour, Wynnewood, Okla.
Kemp, Jas. F., & Bro., cornices, McKeesport, Pa.
Kemp, Jas. N., Mach. Wks., Albany, N. Y.
Kemp, John F., & Co., machsts., Quincy, Mass.
Kemp, Lysander & Sons, soap, Cambridge, Mass.
Kemp Machinery Co., dirs., 215 N. Calvert, Baltimore, Md.
Kemp Mach. Wks., Muncie, Ind
Kemp, N. J., Co., lime and manure spreaders, Batavia, N. Y.
Kemp Rubber Co., 246 Washington, Buffalo, N. Y.
Kemp, W. H., Co., bronze powders, gold leaf, aluminum, etc., 165 Spring, New York.
Kempe, P., & Co., stone, 571 Mather, Chicago, Ill.
Kemper, B. F., architect, Marshall town, Ia.
Kemper Constr. Co., 905 Walnut, Philadelphia, Pa.
Kemper-Odee Engine Co., Albert Lea, Minn.
Kempert, A. F., brick, contractor, 245 S. Morton av, Dayton, O.
Kempert & Sherer, brick, Dayton, Ohio.
Kempf, Geo., Sons, contractors, 823 Virginia, Buffalo, N. Y.
Kempsmith Mfg. Co., milling machines, tools & vises, West Allis, Wis.
Kenan, McKay & Speir, Inc., cotton waste, Atlanta, Ga.

Kenbridge Mfg. Co., lbr., Kenbridge, Va.
Kendall, Frank A., & Frederic M., architect, 45 Bromfield, Boston, Mass.
Kendall, Hadley, & Co., sash, door & blind mfrs., Goffstown, N. H.
Kendall Heating Co., 24 Front, Portland, Ore.
Kendall, J. B. Co., whol. hdwe., mill & facty. supplies, 485 Missouri av, Washington, D. C.
Kendall & Little, canned goods, Copalis, Wash.
Kendall Lbr. Co., Oliver bldg., Pittsburgh, Pa.
Kendall, M. K., & Co., contractors, 110 Pearl, Boston, Mass.
Kendall Mfg. Co., glycerine, soap, powder, etc., 90 Friendship, Providence, R. I.
Kendall Mfg. Co., Inc., office specialties, 79 Sudbury, Boston, Mass.
Kendall, R. C., & Co., pulleys and belt tighteners, 749 First National Bank Bldg., Chicago, Ill.
Kendall Refining Co., belt dressing, oils, etc., Bradford, Pa.
Kendall & Smith, architects, Union Tr. bldg., Washington, D. C.
Kendall, Taylor, & Co., architects, 93 Federal, Boston, Mass.
Kendall, William C., flour mills, Berry, Ky.
Kendall, Wm. Mitchell, architect, 101 Park av, New York.
Kenderline, T. S., & Sons, fertilizer mfrs., Newtown, Pa.
Kendrick & Brown Co., lumber mfrs., Glens Falls, N. Y.
Kendrick, Davis, Co., dynamo & motor mfrs., tools, toys, etc., Lebanon, N. H.
Kendrick, J. H. & M. B., masons & bldrs.' matls., Thomson, Ga.
Kendrick, Jas. R., Co., elastic hosiery, 125 Herman, Phila., Pa.
Kendrick Valve & Washer Co., Syracuse, N. Y.
Kenefick, Wm., contractor, Bryant Bldg., Kansas City, Mo.
Kenehan Steel Belt Fastener Co., 1252 W. 3d, N. W., Cleveland, Ohio.
Kenfield-Lamoreaux Co., lumber, packing boxes, etc., Washburn, Wis.
Kenilworth Tile Co., Newell, W. Va.
Keniston, Geo. D., & Son, handles, Rumney, N. H.
Kenkor, Fred. & Sons, packing box mfrs., 3904 N. Bend rd, Cheviot, Cincinnati, Ohio.
Kenn-Well Contracting Co., 841 B'way, New York.
Kenna, Hermann, architect, 193 Platt, Butte, Mont.
Kennard Canning Co., Kennard, Ind.
Kennard, F. H., landscape architect, 220 Devonshire, Boston, Mass.
Kennard, Francis J., architect, Tampa, Fla.
Kennebec Lbr. Co., Augusta, Maine.
Kennebunk Mfg. Co., megaphones, lunch boxes, suit cases, etc., Milton, New Hampshire.
Kennedy Bros., contractors, Midland Bldg., Kansas City, Mo. & Youngstown, Ohio.
Kennedy Bros., Inc., contrs., 2400 16th, N. W., Washington, D.C.
Kennedy Bros., sashes, doors & blinds, Sumter, S. C.
Kennedy Car Liner & Bag Co., paper shipping covers, Shelbyville, Ind.
Kennedy Co., advtg. spec., Seattle, Wash.
Kennedy Co., plumbers & steam fitters' supplies, Euclid av, Cleveland, Ohio.
Kennedy & Co., stoves, Rochester, N. Y.
Kennedy, D., & Sons, woolen blankets, Monticello, Wis.
Kennedy, D. J., Co., masons & bldrs.' matls, 6366 Frankstown av, Ptg., Pa.
Kennedy, D. V., & Co., see T. P. Spoonamore (successor).
Kennedy, David E., sanitary flooring & cork tile, 53 5th av, New York.
Kennedy, Ernest, architect, Essex Bldg., Minneapolis, Minn.
Kennedy, F. H. jr., architect, Pasadena, Cal.
Kennedy & Forbes, architects, Missoula, Mont.
Kennedy & Greig, machsts., 209 2d av, Detroit, Mich.
Kennedy, J. D., & Co., masons & bldrs.' matls., Dime Bk. Bldg., Detroit, Mich.
Kennedy, J. E., pumps, 30 E. 42d, New York.
Kennedy, J. E., Co., contrs., Atlanta, Ga.
Kennedy, J. E., & Co., surgical & dental instruments, 201 E. 23d, New York.
Kennedy, J. J., masons & bldrs.' matls., Zelienople, Pa.
Kennedy, J. M., architect, Raleigh, N. C.
Kennedy, J. Sarsfield, architect, 157 Remsen, Brooklyn, N. Y.
Kennedy, Jas., contractor, Fargo, N. D.
Kennedy, Jno., & Co., contractors, 1133 B'way, New York.
Kennedy, John J., architect, Ford Bldg., Wilmington, Del.
Kennedy, Jno. W., architect, Cohokie Bldg., East St Louis, Ill.
Kennedy, Joseph, architect, 6 N. 4th, Harrison, N. J.
Kennedy, Julian, blast furnaces, Bessemer Bldg., Pittsburgh, Pa.
Kennedy, L. J., & Sons, contractors, Port Chester, N. Y.
Kennedy Packing Co., Biloxi, Miss.
Kennedy Mfg. Co., tool kits, 14 E. Jackson blvd, Chicago, Ill.
Kennedy, P. J., & Co., contractors, Holyoke, Mass.
Kennedy, P. W., tubular boilers, 1201 Beecher, Indianapolis, Ind.
Kennedy & Peterson Construction Co., 7 Water, Boston, Mass.
Kennedy, Ralph M., saws, 117 N. 7th, Philadelphia, Pa.
Kennedy Refractories Co., dolomite, Bettsville, Ohio.
Kennedy Supply Co., mill & facty. supplies, Cinn., O.
Kennedy Valve Mfg. Co., Elmira, N. Y.
*See adv. index at end of book.*
Kennedy Van Saun Mfg. & Eng. Corp., crushing, mining, cement machinery, etc., 120 B'way, New York.
*See adv. index at end of book.*
Kennedy, W. A., Hardware Co., whol., Canton, Ohio.
Kennedy, W. T., & Co., archit., Division av, Rockaway Bea N. Y.
Kennedy Wall Cabinet Co., 4439 N. Clark, Chicago, Ill.
Kennedy, Walter, blast furnaces, Bessemer Bldg., Pittsburgh,
Kennedy-Webster Co., time switches, 536 S. Clark, Chicago.
Kennedy, Wm., Construction Co., 215 Montague, B'klyn, N. Y
Kennedy's, P., Fdry. Co., So. Charles & Wells, Baltimore,
Kennehan, P. E., Son & Co., argricultural implements, Bras Falls, N. Y.
Kennel Food Supply Co., canned, Fairfield, Conn.
Kennelly, Jno. J., machsts., 826 10th av, New York.
Kennerly Hardware Co., Palatka, Fla.
Kennerly, S. J., hardware, whol., Gainesville, Tex.
Kennerly & Stiegmeyer, architects, Benoist Bldg., St. Louis,
Kenneth, W. D., architect, 258 B'way, New York.
Kennett, A. C., lumber, Conway, N. H.
Kennett Engine & Boiler Wks., Kennett, Mo.
Kennett Fndry. & Mach. Co., Kennett Square, Pa.
Kenney, B. E., Lumber Co., Frankfort, Ky.
Kenney, Basil E., Lumber Co., Guin, Ala.
Kenney Bros., sashes, doors & blinds, Fort Smith, Ark.
Kenney Bros., stone producers, Long Eddy, N. Y.
Kenney, F. Mfg. Co., tex. machy. (mill soaps), 368 Dorches av, Boston, Mass.
Kenney, J. R., cornices, 251 S. Wayne av, Dayton, Ohio.
Kenney Machinery Co., 124 S. Capitol av, Indianapolis, Ind.
Kenney, R. S., brick, Hebron, Ind.
Kenney, Wm. F., plumbers' supps., 63 Mechanic, Newark, N.
Kennington Iron Wks., 414 3d av, Brooklyn, N. Y.
Kennon, Chas. C., contractor, 814 18th, N. W., Washington, D.
Kenny Boiler & Mfg. Co., 6th & Locust, St. Paul, Minn.
Kenny, J. T., & Co., soap & scouring powders, St. Paul, Mi
Kenny, Wm. F., & Co., stone producers, wkrs. & dlrs., Columbia, Brooklyn, N. Y.
Kenosha Knitting Co., sweaters, cardigans, etc., Kenosha, W
Kenova Hardwood Flooring Co., Kenova, W. Va.
Kenower, John, & Sons, lumber mfrs., Huntington, Ind.
Kensington Engine Wks. Co., machsts. & fndrs., Beach & Berks, Philadelphia, Pa.
Kensington Hair Cloth Co., Palethorp & Somerset, Phila., Pa.
Kensington Hdwe. & Tool Mfg. Co., 410 Mechanic, Germanto Philadelphia, Pa.
Kensington Iron & Metal Co., machy. dlrs., 1011 E. Susquehan av, Phila., Pa.
Kensington Pearl Button Co., Mascher & York, Philadelphia,
Kent, Amos, Lumber & Brick Co., Hammond, La.
Kent, Atwater, Mfg. Wks., auto. horns, 4937 Stenton, Phi delphia, Pa.
Kent, Charles Nelson, architect, 108 Jamaica av, New York, N.
Kent, E., & Co., masons & bldrs.' matls., Clinton, Ill.
Kent, F. C., & Co., talking machine supplies, 359 Mulber Newark, N. J.
Kent, Geo. W., contractor, Arlington Heights, Mass.
Kent, J. S. Co., lumber, Harrison Bldg., Philadelphia, Pa.
Kent Light Store, incandescent lamps, Newark, N. J.
Kent, Lindley C., Co., mill & facty. supplies, Wilmington, Del.
Kent Lubricating Co., Waukesha, Wis.
Kent Lumber Co., Barneston, Washington.
Kent Machine Co., chocolate, paint grinding & varnish mak machinery, etc., 39 Gold, Brooklyn, N. Y.
Kent Machine Co., concrete, Kent, Ohio.
Kent Mfg. Co., woolen blankets, Clifton Heights, Pa.
Kent Mill Co., mfrs. grinding & crushing mills, 10 Rapely Brooklyn, N, Y.
Kent Milling Co., flour, Kent, Ind.
Kent-Owens Machine Co., Toledo, Ohio.
Kent, Percy, Co., second hand bags, burlap, etc., 33 Pearl, N York.
Kent & Purdy Paint Co., 307 N. Main, St. Louis, Mo.
Kent Vacuum Cleaner Co., Rome, N. Y.
Kent, W. W., architect, Lawrence Park, Bronxville, N. Y.
Kent, Willard, architect, Woonsocket, R. I.
Kent, Wm. P., & Co., printing & lithographic inks, 49 R New York.
Kenton Carriage Co., Kenton, Ohio.
Kenton Hardware Co., iron & steel toys, Kenton, Ohio.
Kenton Marble & Granite Co., Kenton, Ohio.
Kenton Supply Co., masons & bldrs.' matls., Covington, Ky.
Kentucky Bedding Co., mattresses, Louisville, Ky.
Kentucky Bluestone Co., Freestone, Ky.
Kentucky Consumers' Oil Co., boiler compounds, Louisville,
Kentucky Culvert & Mfg. Co., Louisville, Ky.
Kentucky Electrical Co., Owensboro, Ky.
Kentucky Fertilizer Co., Louisville, Ky.
Kentucky Fire Brick Co., Portsmouth, Ohio.
Kentucky Fluor Spar Co., Marion, Ky.
Kentucky Freestone Co., stone producers, 2629 Spring Gr av, Cincinnati, Ohio.
Kentucky Lumber Co., Burnside & Williamsburg, Ky., and S gent, Ala.
Kentucky Mine Supply Co., Middlesboro, Ky.
Kentucky Oxygen-Hydrogen Co., welding apparatus, Louisv Ky.
Kentucky Portland Cement & Coal Co., Pine Hill, Ky.
Kentucky River Mills, cordage & twine, Frankfort, Ky.
Kentucky River Stone & Sand Co., Lawrenceburg, Ky.
Kentucky Saw Wks., 1004 W. Main, Louisville, Ky.

ky Silica Co., sand, Louisville, Ky.
ky Stamping Co., rural mail boxes, fountains, lamps, etc., uisville, Ky.
ky Stove Co., Louisville, Ky.
ky Tobacco Product Co., Louisville, Ky.
ky Veneer Wks., 13th & Magnolia, Louisville, Ky.
ky Wagon Mfg. Co., carts, storage battery trucks & ilers, 3d & K, Louisville, Ky.
, P., pipe hanger, steam pump conduits, 248 Boylston, ston, Mass.
ky Wall Plaster Co., Louisville, Ky.
ky Whip & Collar Co., Eddyville, Ky.
Lumber & Store Co., Kenvil, N. J.
od Heating Co., 4825 St. Lawrence, Chicago, Ill.
rth, Wm. F., architect, 112 E. 19th, New York
rthy, Bros., felts, Stoughton, Mass.
thy, Chas. F., furnaces, Waterbury, Conn.
, A. P., ship builders, Marine City, Mich.
Canning Co., Kenyon, Minn.
, Chas. F., mattresses, Ocean Grove, N. J.
Co., advtg. spec., 303 Grand av, Des Moines, Iowa.
, D. R., & Son, machsts. & fndrs., Raritan, N. J.
, Geo. G., Lbr. Co., 601 E. Water, Syracuse, N. Y.
, H. T., & Co., contractors, masons' & bldrs.' matls., esterly, R. I.
, J. J., Mfg. Co., shoe laces, Pawtucket, R. I.
, Jas. S., contractor, Bremerton, Wash.
Lumber Co., Sandy Hill & Hudson Falls, N. Y.
Printing & Engraving Co., maps, Des Moines, Iowa.
, R. L., Co., camp furniture, Waukesha, Wis.
& Stanley, stone producers, Bethany, Mo.
., Wm. M., & Maine, Maurice F., architects, Essex e Bldg., Minneapolis, Minn.
John W., & Co., tow, 133 W. Washington, Chicago, Ill.
Brick & Tile Co., Keokuk, Ia.
Canning Co., Keokuk, Ia.
Electro-Metals Co., ferro chrome, ferro-phosphorus, & ro-silicon, Keokuk, Ia.
D. B., & Co., garment hangers, Hazleton, Pa.
Bros., contractors, 2653 Mississippi, St. Paul, Minn.
H. A., contractor, 700 N. 12th, Kansas City, Kan.
, Arthur S., architect, Pottstown, Pa.
& Smith, architects, Frederick, Md.
Glass Constr. Co., plain & prismatic vault & sidewalk hts, 101 Park av, New York.
ger. Geo. J., floor scraping machines, Dwight, Ill.
rman, Co., gen'l contrs., 1123 B'way, New York.
oyd, Iron Wks., founders, 252 Spear, San Francisco, Cal.
c Studio Pub. Co., Syracuse, N. Y.
Co., artificial leather, 348 Van Buren, Newark, N. J.
gh Lime Co., Washington av, c. 15th, Philadelphia, Pa.
Packing Co., meat packers, Elgin, Ill.
& Bro., tailors' squares & glass cutters' rules, 51 Fulton, w York.
& Call, architects, 470 E. Tremont av, New York.
f-Cuzner Mill & Lbr. Co., 560 S. Main, Los Angeles, Cal
off-Cuzner Lumber Co., Pasadena, Cal.
Cotton Oil Co., meal, Kerens, Tex.
Donnewald Coal Co., 12th & Lucas av, St. Louis, Mo.
Insulated Wire & Cable Co., insulated wire mfrs., 30 rch, New York.
ager, M. W., mill soaps, 17th & Sedgley av, Phila., Pa.
, Inc., architect, 125 E. 56th, New York
h Mfg. Co., marine engines, 45 Fort. E. Detroit, Mich.
., picks, mattocks, etc., Fleetwood, Pa.
urner Co., arc & gas lamps, 217 & 125th, New York.
ommercial Co., packing mfrs., 114 Liberty, New York.
. C., architect, 14 Gladstone av, Newark, N. J.
leo., meat packer, 350 W. 38th, New York.
. B. A., & Sons, wheat flour, 31 Cherry, Milwaukee, Wis.
no., & Son, meat packers, Portland, Me.
. Y., & Son, carriages, Coopersburg, Pa.
Son, mailing tubes, etc., 409 Pearl, New York.
hos., Lumber Co., sash, door & blind, Slatington, Pa.
Vm. S., machinists, Wilkes-Barre, Pa.
John F., mattresses, Oswego, N. Y.
R. H., contractor, South Orange, N. J.
W. J., & Co., contractors, 425 S. Cincinnati, Dayton, O.
n Company, ventilator mfrs. and engrs., 332 S. Michigan Chicago, Ill.
Contr. Co., 405 Lexington av, New York.
Incinerator Co., 596 Clinton, Milwaukee, Wis.
P., & Sons, contractors, Utica, N. Y.
W. R. & Co., felt wheels, 139 N. Clark, Chicago, Ill.
Mfg. Co., asbestos table pads & mats, 184 W. 62nd, Chi-o, Ill.
& Trecker Co., milling machines, Milwaukee, Wis.
an & Co., whol. hdwe., mill, facty. & plumbers' supplies, usville, Pa.
Carroll, architects, Coatesville, Pa.
Geo. M., architect, Corn Club Bldg., Ottumwa, Iowa.
Jas. S., & Son, contrs., Saginaw, Mich.
John A., architect, Washington, Pa.
Reese, flour mills, Jamestown, Ky.
T. A., machst. & fndr., Sutherlin, Va.
tw, C. G., Contracting Co., Woodward Bldg., Birming-n, Ala.

Kerr, A. H., & Co., bottles, glass, Portland, Ore.
Kerr, Alex., & Son, contractors, Elizabeth, N. J.
Kerr Bros. Co., cornices & skylights, Coldwater, Mich.
Kerr, C. H., Co., contractors, 2565 5th av, Pittsburgh, Pa.
Kerr & Co., belt lacing & fasteners, 114 Liberty, New York.
Kerr, Gifford & Co., masons' & bldrs.' matls., Seattle, Wash.
Kerr Glass Mfg. Co., Portland, Ore.
Kerr Glass Mfg. Co., 70 Portland av, Sand Springs, Okla.
Kerr & Ingram, sash, door & blind mfrs., Homestead, Pa.
Kerr, J. E., & Co., Annatto, 25 Beaver, New York.
Kerr, J. M., Co., wholesale hardware, Gallipolis, Ohio.
Kerr, L. S. D., rims, spokes, wheels, etc., wagon & carriage, Frenchtown, N. J.
Kerr Machinery & Supply Co., Beaubien, 100 Detroit, Mich.
Kerr Paper Mill Co., East Downingtown, Pa.
Kerr, R. J., Co., contractors, Farmers Bank Bldg., Pitts'bg., Pa.
Kerr Turbine Co., Wellsville, N. Y.
Kerredge, Wm., mill & facty. supps., Hancock, Mich.
Kerrick Construction Co., 607 3d av, N. E., Minenapolis,, Minn.
Kerrihard Co., machsts. & fndrs., Red Oak, Ia.
Kerry & Hanson Flooring Co., Grayling, Mich.
Kerschamp Bros., frdrs., Sheboygan Falls, Wis.
Kershaw, John W., Co., Turkish towels, 1734 N. 5th, Philadelphia, Pa.
Kershaw, Nelson, Turkish towels, Clifton Heights, Pa.
Kershaw Oil Mill, fertilizer mfrs., Kershaw, S. C.
Kershaw, W. B., carriages, New Rochelle, N. Y.
Kershaw, W. F., lumber mfr., Marianna, Ark.
Kershner, Matthias, & Fritch, hardware, whol., Reading, Pa.
Kerskamp Bros., fndrs., Sheboygan Falls, Wis.
Kerste Aug. & Co., contrs., Ottawa, Ill.
Kersten, S., heating contr., 554 W. Jackson blvd., Chicago, Ill.
Kersting, J. H., embossing dies, stencils, etc., 75 Fulton, New York.
Kertscher & Co., interior finish mfrs., Elmira, N. Y.
Kertz, Herman, architect, Com. Bldg., St. Paul, Minn.
Kerwin, Andrew J., Jr., contractor, 1133 B'way, New York.
Kerwin Mach. Co., Detroit, Mich.
Kescot Mfg. Co., 86 Page, Providence, R. I.
Keshin, Blithstein & Co., sash, door & blind mfrs., Burroughs av, Brooklyn, N. Y.
Kesl Joseph & Son, contrs., Edwardsville, Ill.
Kesler Mfg. Co., cotton sheeting, Salisbury, N. C.
Kesler, P. W., canned goods, Roanoke, Va.
Kessawayne Lumber Co., Waynesville, N. C.
Kessel, Henry A., Co., mill & facty. supplies, 38 Pearl, New York.
Kesselman & Co., machinists, Butler, Pa.
Kessler-Barkow Saddlery Co., Atchison, Kan.
Kessler, F. M., & Son, canned goods, Buchanan, Va.
Kessler, Fred., cornices, Denver, Col.
Kessler, Geo., Contr. Co., Drexel Bldg., Philadelphia, Pa.
Kessler, Geo. E., & Co., landscape architects, Security Bldg., St. Louis, and Park Board, City Hall, Kansas City, Mo.
Kessler, J., lbr., Daggett, Mich.
Kessler, Jos. G., & Co., spelter, 65 Ingraham, Brooklyn, N. Y.
Kessler, P., & Son, canned goods, Butler, Md.
Kessler, S. E., masons' & bldrs.' matls., Columbia City, Ind.
Kessling, Edw., clinical thermometers, 96 Suydam, Bklyn., N. Y.
Kester Elec. Co., machinists, Terre Haute, Ind.
Kester Machy. Co., dlrs., Winston-Salem, N. C.
Kesti & Son, granite producers, Rocklin, Cal.
Kestler, John A., machinist, Lynchburg, Ohio.
Kestner Evaporator Co., 18th & Allegheny, Philadelphia, Pa.
Ketcham, Howard, lumber, 1160 N. 3d, Philadelphia, Pa.
Ketcham Iron Co., Fort Smith, Ark.
Ketcham & McDougall, sewing thimbles, 15 Maiden la, New York.
Ketcham & McQuade, contractors, 1029 Brown, Philadelphia, Pa.
Ketcham, O. W., front brick & terra cotta mfrs., 24 So. 7th, Philadelphia, Pa.
Ketcham, Tredwell, contractor, 424 E. 165th, New York.
Ketcheson, J. C., pads & tablets, Leavenworth, Kan.
Ketchin A. J. & Son, contrs., Tariffville, Conn.
Ketchum, D. A. (Est.), masons' & bldrs.' matls., Middletown, N. Y.
Ketchum Tool Equipment Co., milling machines, & drill press vises, Bridgeport, Conn.
Ketchum, W. E., architect, Littlefield Bldg., Austin, Tex.
Ketler-Elliott Co., forged rods, 31st & California, Chicago, Ill.
Ketler-Elliott Erection Co., contractors, 155 N. Clark, Chicago, Ill.
Kettenhofen, N., stone prod., Manitowoc, Wis.
Ketter Buggy Co., Ironton, Ohio.
Ketterlinus Lithographic Mfg. Co., advtg. novelties, 4th & Arch, Philadelphia, Pa.
Kettle River Co., stone producers, Madison, Ill.
Keuffel & Esser Co., barometers, measuring rods, Hoboken, N. J.
Kevorkian Stephen A., architect, 23 S. 52nd, Phila., Pa.
Kevil, R. U., & Sons, flour mills, Princeton, Ky.
Kewanee Boiler Co., Kewanee, Ill.
Kewanee Mfg. Co., coal chutes & sleeping berths, Kewanee, Ill.
Kewanee Private Utilities Co., mfrs. engines, pumps, tanks, etc., Kewanee, Ill.
Kewaunee Mfg. Co., laboratory wood work, Kewaunee, Wis.
Key City Decorative Glass Wks., Dubuque, Ia.
Key City Packing Co., canned goods, Port Townsend, Wash.
Key City Roofing Co., Dubuque, Ia.

Key, E. H., sweaters, etc., Fort Hunter, N. Y.
Key-Hold Lath Co., wall boards, patent lathes, dampproofing mat'l, San Francisco, Cal.
Key, James, Brick Co., Chattanooga, Tenn.
Key West Hdwe. Co., Key West, Fla.
Keyes-Davis Co., metal novelties, etc., Battle Creek, Mich.
Keyes Fibre Co., wood & paper dishes, Waterville, Me.
Keyes, Henry F., architect, 78 Devonshire, Boston, Mass.
Keyes, Jas. A., machst. & fndr., 652 Hudson, New York.
Keyes, Jas. H., eyelet machs., 658 Hudson st, New York.
Keyes, L. D., contractor, Des Moines, Ia.
Keyes Products Co., artificial lumber, paper & pulp mills, veneer panels, etc., 120 Broadway, New York.
Keyes, W. H., & Co., contractors, 101 Tremont, Boston, Mass.
Keyless Auto Clock Co., 246 W. 59th, New York.
Keyless Lock Co., Indianapolis, Ind.
Keyo Bros. & Co., thermometers, Catasqua, Pa.
Keyoke Ry. Equipment Co., Monadnock Bldg., Chicago, Ill.
Keyport Dry Dock Co., Keyport, N. J.
Keys & Miller Lumber Co., sash, door & blind mfrs., Elkton, Md.
Keys Piston Ring Co., 3049 Olive, St. Louis, Mo.
Keys, T. W., contractor, La Salle, Ill.
Keys-Walker Lumber Co., lumber, Roanoke, Va.
Keyser Clarence A., architect, 41 S. 15th, Philadelphia, Pa.
Keyser Hardware Co., Keyser, W. Va.
Keyston Bros., harness, saddles, etc., 120 2d, San Francisco, Cal.
Keystone Albumen & Paint Co., 1346 N. Marston, Phila., Pa.
Keystone Axle Works, car, 33d & A. V. R. R., Pittsburgh, Pa.
Keystone Blue Paper Co., 910 Filbert, Philadelphia, Pa.
Keystone Bobbin Wks., Allentown, Pa.
Keystone Boiler & Fdry Co., Landisville, Pa.
Keystone Boiler Works, 163 Main, San Francisco, Cal.
Keystone Bone Fertilizer Co., 15 N. 5th, Philadelphia, Pa.
Keystone Bottle Mfg. Co., Uniontown, Pa.
Keystone Box Co., packing, 26th & Liberty av, Pittsburgh, Pa.
Keystone Box Mfg. Co., packing, 701 E. Girard av, Phila., Pa.
Keystone Brass Works, machsts. & fndrs., Erie, Pa.
Keystone Brick Co., Godfrey, E. 2d, St. Park, Philadelphia, Pa.
**KEYSTONE BRONZE CO.**, railway & marine castings, bronze, copper & aluminum, 39th & A. V. R. R., Pittsburgh, Pa., & Hobart bldg., San Francisco, Cal.
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Keystone Calendar & Printing Co., advtg. spec., Wilkes-Barre, Pa.
Keystone Chemical Co., boiler compounds, water filters, etc., 2222 N. Marshall, Philadelphia, Pa.
Keystone Clay Products Co., common brick, Greensburg, Pa.
Keystone Coal & Coke Co., Greensburg, Pa.
Keystone Construction Co., Meadville, Pa,
Keystone Contracting Co., Keystone Bldg., Pittsburg, Pa.
Keystone Cut Glass Co., Hawley, Pa.
Keystone Die Stock Co., 652 W. 47th, Chicago, Ill.
Keystone Driller Co., steam shovels, well drilling machines & deep well pumps, 8th av & 20th, Beaver Falls, Pa.
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Keystone Elec. Mfg. Co., switches, Cleveland, O.
Keystone Emery Mills, 4325 Paul, Philadelphia, Pa.
Keystone Equipment Co., tool holders, 1825 Walnut, Phila., Pa
Keystone Fibre Co., mill boxes, Yorklyn, Del.
Keystone Film Co., 1459 Broadway, New York.
Keystone Fire Door Co., 1231 Irwin av, Pittsburgh, Pa.
Keystone Fireproofing Co., Chester, Pa.
Keystone Flour Co., cereal foods, 1534 Ridge av, Phila., Pa.
Keystone Forging Co., Northumberland, Pa.
Keystone Fdry. Co., Pottstown, Pa.
Keystone Fndry. Supply Co., Ellicott Sq., Buffalo, N. Y.
Keystone Friction Hinge Co., Williamsport, Pa.
Keystone Furnace Construction Co., blast, Farmers' Bk. Bldg., Pittsburgh, Pa.
Keystone Gas Fixture Wks., Reading, Pa.
Keystone Glue Co., Williamsport, Pa.
Keystone Grinder & Mfg. Co., 220 Penn av, Pittsburgh, Pa.
Keystone Hair Insulator Co., 1243 Spring Garden, Pittsburgh, Pa.
Keystone Handle Co., Corydon, Pa.
Keystone Heating Co., Reading, Pa.
Keystone Hindley Gear Co., gears & pinions, 20th & Ind., Philadelphia, Pa.
Keystone Iron & Metal Co., Bessemer Bldg., Pittsburgh, Pa.
Keystone Iron Works, Los Angeles, Cal.
Keystone Lantern Co., screw caps, etc., Tacony & Cottman, Philadelphia, Pa.
Keystone Latch Needle Co., textile machy., supplies, etc., 543 W. Lehigh av, Philadelphia, Pa.
Keystone Leather Packing Co., 38-40 Market, Auburn, N. Y.
Keystone Lime Co., Charleston, S. C.
Keystone Lubricating Co., 21st & Clearfield, Philadelphia, Pa.
Keystone Lumber Co., sash, door & blind mfrs., Tacoma, Wash
Keystone Mach. Co., jigs & fixtures, 206 Commercial, Rochester, N. Y.
Keystone Mach. Wks., Sunbury, Pa.
Keystone Mfg. Co., lumber, Elkins, W. Va.
Keystone Mfg. Co., wrenches, etc., Buffalo, N. Y.
Keystone Mills Co., lumber, Waukegan, Tex.
Keystone Minerals Co., rotten stone, iron & steel fillers, etc., 41 Union Sq., New York.
Keystone Mining Co., bituminous coal mine, East Brady, Pa.
Keystone Motor Mfg. Co., East Greenville, Pa.
Keystone Oil & Mfg. Co., 111 N. Market, Chicago, Ill.
Keystone Ornamental Iron & Bronze Wks., 830 Howard, Francisco, Cal.
Keystone Ornamental Iron Co., Homestead, Pa.
Keystone Paint & Filler Co., Muncy, Pa.
Keystone Paint & Oil Co., lubricating, Columbus, Ohio.
Keystone Paper Mills Co., Upper Darby, Pa.
Keystone Pipe & Supply Co., mill & facty. supplies, Butler,
Keystone Planing Mill, sash, door & blind, Lancaster, Pa.
Keystone Plaster Co., Chester, Pa.
Keystone Pottery Co., Trenton, N. J.
Keystone Printed Specialties Co., trading stamps, 327 Scranton, Pa. *See adv. index at end of book.*
Keystone Roofing Mfg. Co., York, Pa.
Keystone Rubber Mfg. Co., inner tubes, patches, reliners, r goods, etc., Erie, Pa.
Keystone Screw Co., 17th & Lehigh, Philadelphia, Pa.
Keystone Seal & Press Co., meter seals, 30 Main, Brooklyn,
Keystone Slate Co., roofing slate, Philadelphia, Pa.
Keystone Solether Corp., floor tile gasket sheeting, synt bags & leather, 320 B'way, New York.
Keystone Specialty Co., plbg. & htg. supplies, Scranton, Pa.
Keystone Spring Wks., machsts., 13th & Buttonwood, Phil phia, Pa.
Keystone State Constr. Co., Penna Bldg., Philadelphia, Pa.
Keystone Stationery Mfg. Co., rubber stamp ink pads, 539 W Pittsburgh, Pa.
Keystone Steel Co., floor plates & stair treads, Warren, P
Keystone Steel & Wire Co., Peoria, Ill.
Keystone Stove Fdry., Spring City, Pa.
Keystone Structural Co., steel structural work, Royersford
Keystone Supply & Mfg. Co., plumbers' supplies, jobbers, 9 9th, Philadelphia, Pa.
Keystone Tag Co., West Chester, Pa.
Keystone Tube Wks., Connellsville, Pa.
Keystone Type Fdry., 300 Chestnut, Philadelphia, Pa.
Keystone Underwear Co., sweaters, Lititz, Pa.
Keystone Varnish Co., 71 Otsego, Brooklyn, N. Y.
Keystone Vehicle Co., auto. metal bodies, Reading, Pa.
Keystone Watch Case Co., 1411 Walnut, Philadelphia, Pa.
Keystone Wire Matting Co., Beaver Falls, Pa.
K. F. Textile Mills, Inc., knitted gds., Utica, N. Y.
K. G. Welding & Cutting Co., 556 W. 34th, New York.
Khalizog Silk Co., silk thread, 91 5th av, New York.
Khin Trunk & Bag Co., 215 Bergen, Newark, N. J.
Khourn, Amin N., portables elect., New York, N. Y.
K-H Sign Co., elec., Aiken av, & P. R. R., Pittsburgh, P
Kiamensi Clay Co., clay, miners & shippers, Wilmington,
Kiamensi Woolen Co., blankets, Stanton, Del.
Kibbee, A. S., & Son, lumber mfrs., Albany, N. Y.
Kibele, Cuno, architect, Muncie, Ind.
Kibler, Fred W., masons & bldrs' matls., Mount Orab, O
Kickapoo Sand & Gravel Co., Attica, Ind.
Kidd-Bossinger Hdwe. Co., Little Rock, Ark.
Kidd Drawn Steel Co., Aliquippa, Pa.
Kidd, Mrs. E. G., Inc., pickles, Richmond, Va.
Kidd F. J. & W. A., architects, 232 Delaware av, Buffalo,
Kidd, Jos., & Son, naval architects, Palladio Bldg., Du Minn.
Kidd, Russ, Trunk & Bag Co., Shreveport, La.
Kidde, Walter & Co., Inc., contrs., 140 Cedar, New York.
Kidder, J. F., Mfg. Co., cutting & punching machy., Burlin Vt.
Kidder, Oswald, Co., dies, Fifth & Norwood, Dayton, Ohio.
Kidder Press Co., machsts. & fndrs., Dover, N. H.
Kidder, R. E., Co., auto parts, woodworking & special machi pattern & model making & envelope cutting presses, cester, Mass.
Kidder, R. E., Flour Mills, Kansas City, Mo.
Kiddie, Richard H., machinist, Kinseman, Ohio.
Kidds, Alex., Son, cornices, York, Pa.
Kidney, Geo., packing box mfrs., 7 Walker, New York.
Kidney, Jas., Co., auto. wood bodies, 429 E. 2d, Cincinna
Kiechler Mfg. Co., exhaust & blow piping, etc., Wade & man, Cincinnati, Ohio.
Kieckhefer, A., Elevator Co., St. Paul av, Milwaukee, Wis
Kieckhefer Box Co., 16th, Viaduct, Milwaukee, Wis.
Kiefaber, W. H., Co., plbrs.' supplies, Dayton, Ohio.
Kiefer, Albert, architect, Jefferson Bldg., Peoria, Ill.
Kiefer Bros. Cut Glass Co., 4 Ralph av, Brooklyn, N. Y.
Kiefer, Edgar S., Fanning Co., 216 W. Lake, Chicago, Ill
Kiefer Emil N., contr., E. St. Louis, Ill.
Kiefer, Karl, Machine Co., bottlers' machinery, 919 Martin cinnati, Ohio.
Kiefer, W. L., iron, Reading, Pa.
Kieff, D. D., architect, 335 Sterling, Watertown, N. Y.
Kieffer Bros., cooking apparatus, steam fittters' supplies, cuse, N. Y.
Kieffer Paper Co., Brownstown & Ewing, Ind.
Kieft, Chas., architect, 9 Pike pl Middletown, Conn.
Kiehm, Chas., architect, Gardner Bldg., Utica, N. Y.
Kiehnel & Elliott, architects, 245 4th av, Pittsburgh, Pa.
Kiel & Daues Bricklaying & Contracting Co., 2621 Clark a Louis, Mo.
Kiel, J. F., machsts. & brass frdrs., Wayland, N. Y.
Kiel Machine Co., Kiel, Wis.
Kiel Mfg. Co., washing machines, Albert Lea, Minn.

ey & Gleason, contrs., Northampton, Mass.
ey & Mueller, valves, traps, separators, regulators, etc., 34 W. 13th, New York.
ıle & Co., printing inks, 109 S. 5th, Brooklyn, N. Y.
ıtz, John, stone producers, 464 W. State, Columbus, Ohio.
ızie-Merrick Mfg. Co., bank & office railings, 12-14 S. 3d, Minneapolis, Minn.
ızie, Wm. F., hdwe. mfrs., plating wks., etc., 4855 N. Paulina, Chicago, Ill.
, A. H., plate glass, Paterson, N. J.
Fire Brick Co., Oliver Bldg., Pittsburgh, Pa.
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, Wolfgang, stone, 3310 Vliet, Milwaukee, Wis.
ler, Jos. F., Co., machsts., N. Sangamon & W. Huron, Chicago, Ill.
ling, Homer, architect, 7 Water, Boston, Mass.
slich, Ed. R., contractor, Sherman blvd & Wright, Milwaukee, Wis.
sling Calvin, architect, 220 5th av, New York
wetter, Jos. F., vacuum cleaners, Toledo, Ohio.
Milling Co., flour, Sunbury, Pa.
erer, F., & Son, contrs., Niagara Falls, N. Y.
orn Bros., confetti, New Haven, Conn.
orn & Bishop Co., forged hdwe. mfrs., 194 Chapel, New Haven, Conn. *See adv. index at end of book*
orn, Sauer Co., auto lamps, Fairfield, Conn.
ourn, R. A., lumber mfrs., Harrisville, N. Y.
ourne & Clark Mfg. Co., wireless instruments, Seattle, Wash.
ourne & Jacobs Mfg. Co., barrows, cars, trucks, etc., Columbus, Ohio. *See adv. index at end of book.*
ourne, M., & Co., machy. dlrs., 24 W. Mound, Columbus, O.
ourne Mfg. Corpn., knitting machy., New Brunswick, N. J.
urn, Edw., machinist, Spring Valley, Minn.
urn, Lincoln, Machine Co., Fall River, Mass.
y Car & Foundry Co., Anniston, Ala.
y Frog & Switch Co., Birmingham, Ala.
*See adv index at end of book*
y Mfg. Co., sugar & wire machy., etc., 4623 Lakeside av, Cleveland, O.
y Pipe & Foundry Co., Birmingham, Ala.
*See adv. index at end of book.*
ust Co., sweeping compounds, Rome, Ga.
& Morgan Co., lbr., R. I. H. Tr. Bldg., Providence, R. I.
en, Thos., & Co., contrs., Duluth, Minn.
y, Jas. A., carriages, Somerville, Mass.
y, Thos. W., & Co., whol. hdwe., mill & facty. supplies, 57 Grand, Brooklyn, N. Y.
en, Geo., & Sons, organs, 3825 Laclede av, St. Louis, Mo.
ore, L. W., contractor, Canton, Ohio.
ore Mfg. Co., iron toys, Homestead, Pa.
ore, W. B, contractor, 1272 W. North av, Chicago, Ill.
us, Fred, contractor, 13 S. 6th, Newark, N. J.
ıs, Jacob, contr., Pottsville, Pa.
am & Hopkins, architects, 9 Park, Boston, Mass.
am, Chas., W., architect, Harvard University, Cambridge, Mass.
un, O. W. & W. T., flour, Grove, Okla.
rk Elec. Mfg. Co., enclosed fuses, 3940 Easton, St. Louis, Mo.
en's Foundry & Iron Works, 774 S. Liberty, New Orleans, La.
fer Mfg. Co., agricultural implements, 2209 Santa Fe, Los Angeles, Cal.
n-Strait Mfg. Co., traction engines, machsts., Appleton, Wis.
n, W. N., packing box, Cato, Wis.
reen, J. G., contractor, Lewis Bldg., Portland, Ore.
am, Charles F., archit., 51 Avon Hill, North Cambridge, Mass.
an, A., architect, Owensboro, Ky.
an Lumber Co., Valdosta, Ga.
on Rubber Co., 26 Clayton, Boston, Mass.
nan & Challe, masons' & bldrs.' matls., Green Bay, Wis.
ch, David, Co., elec. lights (desk), 57 Murray, New York.
rin Contracting Co., Wakefield, Mass.
ugh, Robt., contractor, Wayne & Dunae, Philadelphia, Pa.
er, M. D., & Co., ties, bale, 6001 Quinby, Cleveland, Ohio.
er, Roy, architect, Greenville, Tex.
Elec. Meter Co., 10th & Canal, Indianapolis, Ind.
atrick, A., & Sons Fndry. Co., Carrie & Bulwer av, St. Louis, Mo.
atrick Bros. & Collins Contracting Co., Beatrice, Neb.
atrick, S. F., lumber manufacturer, Carrolton, Ala.
y, Wm. E., Co., contractors, Pawtucket, R. I.
an, Gustave, architect, Tuckahoe, & 1 Neptune Island, New Rochelle, N. Y.
, Jno. J., masons' & bldrs.' matls., Stillwater, Minn.
Geo. A., & Co., plate glass, 318 1st av, Pittsburgh, Pa.
ball, A., Co., pin tickets, 307 W. B'way, New York.
ball, A. M., & Son, machy. dlrs., Pine River, Wis.
ball, Allen, Holmes, archit., 129 E. 7th, Ames, Iowa.
ball, B. F., & Co., patent leather, Woburn, Mass.
ball Bros. Co., carriages, 112 Sudbury, Boston, Mass.
ball Bros. Co., elevators, P. O. Box 154, Council Bluffs, Ia.
ball Bros. & Sprague, machy. dlrs., Brockton, Mass.
ball, C. E., & Son, dumb waiters, 178 High, Boston, Mass.
ball, C. J., Co., oil cloth knives, Bennington, N. H.
ball, C. M., Co., metal polish, Winthrop, Mass.

Kimball, C. P., & Co., autos. & wood & metal bodies, 3900 S. Michigan av, Chicago, Ill.
Kimball Carriage Co., Manchester, N. H.
Kimball & Chapell Co., machsts. & fndrs., 2834 Loomis, Chicago, Ill.
Kimball-Clark Co., lbr., Oshkosh, Wis.
Kimball & Colwell Co., meat packers, 461 Washington, Providence, R. I.
Kimball & Combe Co., granite, 96 Westminster, Providence, R. I.
Kimball-Dietrich Hardware Co., gas ovens, Elgin, Ill.
Kimball, E. D., & Co., whol. hdwe., 159 N. Market, Chicago, Ill
Kimball, E. P., & Son, masons' & bldrs.' matls., Troy, N. H.
Kimball-Eisenberg Co., plumbers' supp.—jobbers, 219 E. Jefferson av, Detroit, Mich.
Kimball Elec. Lamp Co., 42 E. 23d, New York.
Kimball, F. J., Co., Inc., engineers, 1860 E. 15th, Los Angeles, Cal.
Kimball, Francis H., theatre arch's, 71 B'way, New York.
Kimball, Geo. E., masons' & bldrs.' matls., Hingham, Mass.
Kimball, Harry Smith, architect, 113 Orchard, Elizabeth, N. J.
Kimball & Kopcke, lumber, Knoxville, Tenn.
Kimball, L. S., loom pickers, Lowell, Mass.
Kimball Milling Co., wheat flour, 223 Board of Trade, Kansas City, Mo.
Kimball Lbr. & Mfg. Co., Laark, La.
Kimball, Phin., lbr., Ry. Exch. Bldg., St. Louis, Mo.
Kimball & Prince Lumber Co., Vineland, N. J.
Kimball, Smallman & Frazee Organ Co., 101 B'way, Ext., Boston, Mass.
Kimball & Son, lumber mfrs., Harrisville, N. Y.
Kimball, Thos. R., architect, World-Herald Bldg., Omaha, Neb.
Kimball Tire Case Co., Council Bluffs, Ia.
Kimball, Tyler Co., wood kegs & tanks, 261 S. 8th, Balto., Md.
Kimball-Upson Co., sporting gds. & auto accessories, Sacramento, Cal.
Kimball, W. W., Co., pianos, organs, 304 S. Wabash av, Chicago, Ill.
Kimball, Wm. H., lbr., Stratford, N. H.
Kimball's, S. G., Son, brass founders, Newburgh, N. Y.
Kimbel, A., & Son, interior hardwood wk., 12 W. 40th, New York.
Kimbell, S. S., Brick Co., 133 W. Washington, Chicago, Ill.
Kimber, G. A., machinist, 1326 N. Hamlin, Chicago, Ill.
Kimberlin, C. W., architect, Owensboro, Ky.
Kimberly, C. B., Co., engineers & contrs., Wheeling, W. Va.
Kimberly-Clark Co., paper & pulp mills, Neenah, Wis.
Kimble Elec. Co., elec. disc fans & motors, 634 N. Western, Chicago, Ill.
Kimble, G. A., & Bro., canned goods, Abingdon, Md.
Kimble Glass Co., tubing, vials, 402 W. Randolph, Chicago, Ill.
Kimble, Walter S., contr., Williamsport, Pa.
Kimbrough Hardware Co., Muncie, Ind.
Kimche, F., plbrs. supps., 11 B'way, Detroit, Mich.
Kimes, J. B., & Co., slate burial cases, 24th & Callowhill, Philadelphia, Pa.
Kimmel, J. W., lumber, Bluffton, Ohio.
Kimmey, Frank M., contractor, 1007 W. Onondaga, Syracuse, N. Y.
Kimpton, Edw., Co., stationers' specialties, 60 John, New York.
Kimsley Mfg. Co., steam whistles, 42 South & R. R., Bridgeport, Conn.
Kincade, C. C., & Co., lumber, Spickard, Mo.
Kincaid Bros., boiler injectors, 211 Water, Pittsburgh, Pa.
Kincaid Mfg. Co., towels, tickings, Griffin, Ga.
Kind & Landesmann, gelatine mfrs., Camden, N. J.
Kindel Bedding & Renovating Co., Denver, Colo.
Kinder, Paul P., contractor, Fort Wayne, Ind.
Kinderhook Knitting Co., knitted gloves, Kinderhook, N. Y.
Kindler & Collins, pianos, 520 W. 48th, New York.
Kindling Machine Co., street flushing machines, Milwaukee, Wis.
Kindlund & Drake, naval architects, 17 Battery pl, New York
Kinemacolor Co. of Am., films, 1600 B'way, New York.
Kinetic Elec. Co., machsts., 16 S. Schell, Philadelphia, Pa.
Kinetic Elec. Co., storage batteries, Norfolk, Va.
Kinetic Engng. Co., organ blowers, 60th & Baltimore av, Philadelphia, Pa.
King, A. R., Mfg. Co., automobile bldrs., Kingston, N. Y.
King Alex Stone Co. of Kansas, Kansas City, Mo.
King, Beverly S., architect, 103 Park av, New York.
King Bridge Co., Cleveland, Ohio.
King Bronze & Aluminum Fdry Co., 1734 E. 37th, Cleveland, Ohio.
King Bros, brick, Colchester, Ill.
King Bros., cornices, Danville, Ill.
King & Burham, architects, Jefferson Co. Bk. Bldg., Birmingham, Ala.
King, C. Volney, masons' & bldrs.' matls., 517 West, New York.
King, C. W., lumber, Bowdon, Ga.
King Cereal & Mfg. Co., 559 W. Rand., Chicago, Ill.
King, Chas. S., masons' & bldrs.' matls., Dayton, Ohio.
King, Chas. T., & Co., htg. contrs., 523 N. Charles, Balto., Md.
King Chemical Co., Bound Brook, N. J.
King, Clarence W., architect, 1st Nat'l Bk. Bldg., Shreveport, La.
King Coil & Mfg. Co., Schofield bldg., Cleveland, Ohio.
King Construction Co., greenhouse bldrs., North Tonawanda, N. Y.

King Construction Co., Knoxville, Tenn.
King Construction Co., 113 State, Boston, Mass.
King Counter Co., Salem, Mass.
King & Dexter Co., mill & facty. supplies, plate glass & whol. hdwe., Portland, Me.
King Drill Mfg. Co., Nebraska City, Neb.
King, E. & F., Co., Inc., chemicals, paints, etc., 367 Atlantic av, Boston, Mass.
King Elec. Co., telephone & apparatus, Canton, Ohio.
King Elec. & Mfg. Co., lifting magnets, Cleveland, Ohio.
King & Estridge, contractors, Bedford, Ind.
King, F. E., Co., heating contrs., Norfolk, Va.
King Fifth Wheel Co., 5027 Beaumont av, Philadelphia, Pa.
King-Fisher Mattress Co., Portland, Ore.
King Folding Canvas Boat Co., Kalamazoo, Mich.
King Foundry Co., St. Joseph, Mo.
King, Geo. M., Construction Co., Des Moines, Ia.
King, Geo. R., contractor, Duluth, Minn.
King & Gerber Co., machinists, Paterson, N. J.
King, Graham, architect, South Orange, N. J.
King, H. C., Lumber Co., Marion, Ohio.
King, H. P., Foundry & Machine Works, Osgood, Ind.
King, H. R., heating contr., 617 10th, N. E., Washington, D. C.
King & Hamilton Co., agricultural implements, farm trucks, etc., Ottawa, Ill.
King Hardware Co., Atlanta, Ga.
King, Henry J. & John V., architect, 9 Clinton, Newark, N. J.
King, Hugh D., contractor, Bloomfield, N. J.
King Investment & Lumber Co., Pueblo, Colo.
King Iron Wks., 226 Ohio, Buffalo, N. Y.
King, J. B., & Co., wall plaster mfrs., etc., 17 State, New York.
King, J. M., architect, Ashland, Ky.
King, John, machsts., Oakland, Me.
King, Jno. F., architect, Bank blk., Fort Wayne, Ind.
King, John J., architect, 1600 Morningside av, Pittsburgh, Pa.
King, John P., Mfg. Co., cotton sheeting, Augusta, Ga.
King, Jno. V., architect, 9 Clinton, Newark, N. J.
King, Jos., brick, Eliot, Me.
King, Jos., Mfg. Co., hdwe. mfrs., Troy, N. Y.
King, Julius, Optical Co., goggle mfrs., 10 Maiden la, New York.
King Klip Co., finger nail clippers & cigar cutters, 1328 B'way, New York.
King L. B., contr., Champaign, Ill.
King, L. D., lumber, Audrey, Ore.
King, L. D., Lumber Co., Evergreen, Ala.
King Level Works, Brighton, Mich.
King Light Co., machsts., Peoria, Ill.
King Lock Co., 319 W. Ohio, Chicago, Ill.
King Lumber Co., Prentice, Ala., & Charlottesville, Va.
King, M. D., Milling Co., flour, Pittsfield, Ill.
King, M. L., architect, Snow Bldg., Syracuse, N. Y.
King Mach. & Mfg. Co., Los Angeles, Cal.
King Machine Tool Co., Clifton & B. & O. S. W. R. R., Cincinnati, Ohio.
King, Mantel & Furn. Co., masons & bldrs.' matls., Knoxville, Tenn.
King Mfg. Co., bags & bagging, Front & Main, Cincinnati, Ohio.
King Mfg. Co., emery grinders, Piqua, Ohio.
King Mfg. Co., radiator brushes, 103 Oliver, Newark, N. J.
King Milling Co., buckwheat flour, Lowell, Mich.
King Motor Car Co., Jefferson & Concord av, Detroit, Mich.
King, Murry S., architect, Bank of Orange Bldg., Orlando, Fla.
King, O. P., & Co., Wrens, Ga.
King Oxygen Co., Hoboken, N. J.
King Paint Mfg. Co., varnish, iron & steel fillers, 449 Kent av, Brooklyn, N. Y.
King Paper Co., Kalamazoo, Mich.
King, Patrick J., sash, door & blind mfr., N. Crawford av & Bloomingdale, Chicago, Ill.
King Piano Co., 288 S. La Salle, Chicago, Ill.
King Powder Co., 1st Nat. Bank Bldg., Cincinnati, Ohio.
King, R. C., agricultural implements, Carlisle, Ky.
King, R. D., mech. draftsman & engineer, special machy., etc., 51 West Jackson, Chicago, Ill.
King, R. D., architect, Van Nuys Bldg., Los Angeles, Cal.
King, R. M., Lumber Co., Lebanon, Fla.
King Refining Co., asphalt, 58 Sutter, San Francisco, Cal.
King, Robt., contractor, Youngstown, Ohio.
King-Ryder Lumber Co., Bonami, La.
King Sash, Door & Lumber Co., Spokane, Wash.
King Sawmill Co., King, Ark.
King Sewing Mach. Co., Buffalo, N. Y.
King Spec. Co., sealing machs., Detroit, Mich.
King Stove & Range Co., Sheffield, Ala.
King-Trailer Co., truck trailers, Ann Arbor, Mich.
King Ventilating Co., Owatonna, Minn.
King, W. F., & Co., contractors, Duluth, Minn.
King, W. H., machinist, Coshocton, Ohio.
King, W. H., masons & bldrs.' matls., Geneva, Ohio.
King, W. H., scrap rubber, 149 S. Hancock, Philadelphia, Pa.
King, W. H., & Co., brick, Rockford, Ohio.
King, W. O., & Co., lumber, 2453 Loomis, Chicago, Ill.
King, W. P., & Son, canned goods, Peach Bottom, Pa.
King, Walter, architect, Stockton, Cal.
King, Walter E., Co., plumbers' supplies, jobbers, 115 W. 3d, Cincinnati, Ohio.
King, Wm. H., paint mfrs., 124 Greene, Brooklyn, N. Y.
King, Wm. H., Jr., architect, House Bldg., Ptg., Pa.
King, Wm. P., metal nov. & spec., Syracuse, N. Y.
King & Winge Ship Yard, bldrs., Seattle, Wash.
Kingan & Co., Ltd., canned meats, W. End, Maryland & Blac port, Indianapolis, Ind.
Kingan Provision Co., meat packers, 626 W. 35th, New Yo & Callowhill & 8th, Philadelphia, Pa.
Kingery Mfg. Co., peanut roasting machines, 420 E. Pearl, C cinnati, Ohio.
Kingfisher Mill & Elevator Co., flour, Kingfisher, Okla.
Kingham, R. L., machst., Enid, Okla.
Kinghorn, Alex., contractor, Reliance Bldg., Kansas City, Mo.
Kingler, C. P., brick, Paulding, Ohio.
Kingman & Co., fanning mills, Peoria, Ill.
Kingman, E. B., Co., celluloid combs, Leominster, Mass.
Kingman Plow Co., Peoria, Ill.
Kings A. J. & Son, contrs., Mitchell, S. D.
Kings', B. V., mach. shop & fdry., Sault Ste. Marie, Mich.
Kings County Iron Fdry. (Inc.), sash weights, Garden & Me role, Brooklyn, N. Y.
Kings County Packing Co., canned goods, Armona, Cal.
Kings County Rich Cut Glass Wks., 174 N. 4th, Brooklyn, N.
Kings Creek Quarry Co., stone producers, New Cumberland, Va.
King's Crown Plaster Co., Cedar Rapids, Ia.
Kings Mountain Cotton Oil Co., Kings Mountain, N. C.
Kingsbridge Iron Works, 405 E. 99th, New York.
Kingsbury, A. W., stone producers, Stafford Springs, Conn.
Kingsbury Constr. Co., Hudson Falls, N. Y.
Kingsbury Mfg. Co., toys, Keene, N. H.
Kingsbury & Davis Machine Co., South Coventry, Conn.
Kingsdale Lbr. Corp., Lumberton, N. C.
Kingsford Foundry & Machine Works, engines, boilers & pump Oswego, N. Y.
Kingsley, E. B., shoe pegs, Salisbury Center, N. Y.
Kingsley Chas. E., contractor, St. Joseph, Mich.
Kingsley, George S., architect, 109 N. Dearborn, Chicago,
Kingsley, H. B., lubricating oils, 325 St. Clair av, N. W., Cle land, Ohio.
Kingsley, L. J., Co., whol. hdwe., Binghamton, N. Y.
Kingsley & Maxwell, contractors, Yonkers, N. Y.
Kingsley Paper Co., 321 St. Clair av, N. W., Cleveland, Ohio.
Kingsley, W. M., architect, Syracuse, Ind.
Kingsley & Wescott, contractors, Scranton, Pa.
Kingsport Brick Corp., Kingsport, Tenn.
Kingsport Wood Alcohol Reduction Co., Kingsport, Tenn.
Kingston & Campbell, contrs., Poughkeepsie, N. Y.
Kingston Emery Mills, buffing wheels, Frankfort, Phila., Pa.
Kingston Fdry. Co., Kingston, N. Y.
Kingston Granite Tub Wks., artificial stone laundry tubs, Kin ton, N. Y.
Kingston, J. B., & Co., flour mills, Shelbyville, Tenn.
Kingston, Jno., soap, 300 N. Beacon, Boston, Mass.
Kingston, John P., & Son, architects, 518 Main, Worcester, Ma
Kingston Knitting Co., sweaters, etc., 37 Kingston, Bost Mass.
Kinkston Machine & Fdry. Co., 82 Prince, Kingston, N. Y.
Kingston Milling Co., flour & corn, Kingston, Ark.
Kingston Ship Bldg. Co., Kingston, N. Y.
Kingston Spoke Mfg. Co., Kingston, Ark.
Kingston's, Paper Co., Inc., Little Falls, N. Y.
Kingsville Lumber Co., Kingsville, Tex.
Kingwell, L., brass & bronze castings, 450 Natona, San Fr cisco, Cal.
Kinkead Mfg. Co., apparatus for aligning & leveling shafti 45 High, Boston, Mass.
Kinkel's, P. H., Sons, miners feldspar, Bedford, N. Y.
Kinkerter & Sheppard Co., mill & facty. supplies, 4669 Fra ford, Philadelphia, Pa.
Kinnard & Sons Mfg. Co., kerosene tractors, 44th av, N. Bryant, Minneapolis, Minn.
Kinne, Linn, architect, Mayro Bldg., Utica, N. Y.
Kinne Mfg. Co., stoves, 1401 Central av, Minneapolis, Minn
Kinne, W. A., fndrs., New Britain, Conn.
**KINNEAR MFG. CO. (THE),** fireproofing & steel rolling do & shutters, 716-766 Field av., Columbus, Ohio.
*See adv. index at end of book.*
Kinnel, Philip H., cleavers, Columbus, Ohio.
Kinney, A. C., contractor, Norwalk, Ohio.
Kinney, F., tubular boilers, Oakdale, Pa.
Kinney Lumber Co., Orrville, Ohio.
Kinney Mfg. Co., road oiler, tar pumps, 3529 Washington, B ton, Mass.
Kinney, Myron, & Son, masons & bldrs.' matls., Putnam, Co
Kinney, R. W., Co., plumbers' supplies, jobbers, San Franci Cal.
Kinney-Rome Co., spring beds, 3617 S. Racine av, Chicago,
Kinnison Bros., steam fitters' supplies, Dallas, Tex.
Kinockton Apparatus Corp., moving picture machines, Bri ton, N. J.
Kinsella Varnish Co., Springfield, Ill.
Kinsella, Walter A., Co., tennis rackets, 304 Madison av, N York.
Kinser B. M., contr., Eustis, Fla.

asey, E. A., Co., contrs. tools, mill & facty. supplies, 331 W. 4th, Cincinnati, Ohio.
asey, Howard P., cornices, Easton, Pa.
asey & Johnson, paint mfrs.' color cards, 230 Pearl, Cincinnati, Ohio.
asey & Mahler Co., machsts. & fndrs., mill, facty. & plumbers' supplies, Peoria, Ill.
asey, Wm. A., steel structural wk., 192 Market, Newark, N. J.
asila, Ed. B., architect, 41 W. 27th, New York.
asler-Bennett Co., universal joints, Hartford, Conn.
asler, John, & Son, contractors, Marion, Ohio.
asley, John R., fndrs., 115 E. 6th, Cincinnati, Ohio.
asman & Wagner, carriages, Calumet, Mich.
aston Iron & Mantel Wks., sashes, doors, blinds, etc., Kinston, N. C.
ater, F. D., masons' & bldrs.' matls., Athens, Pa.
atz, P. C., & Sons, contractors, Terre Haute, Ind.
aum, Henry, contractor, Schenectady, N. Y.
ayon, E. H., masons' & bldrs.' matls., Quincy, Mich.
ayon, Willis, machst., Amber, N. Y.
zel Lbr. Co., Merrill, Wis.
zelberg Benj., architect, 1819 2nd av, New York.
zie, T. D., canned goods, Troutville, Va.
rboe Vilhelm, architect, 280 Madison av, New York
p, A. B., & Co., masons' & bldrs.' matls., Minonk, Ill.
p, B. A., & Co., lumber, 818 W. 6th, Cincinnati, Ohio.
p Engine Works, machinists, Ossining, N. Y.
p, John, contractor, Lorain, Ohio.
p, Ralph P., freight elevators, Ossining, N. Y.
p, S. C., Jr., & Son, damper & pressure regulators, Ossining, N. Y.
p, W. A., fndr., Bronson, Mich.
by-Bonner Lbr. Co., Chicago, Ill.
by Canning Co., Trappe, Md.
by, Clement S., architect, Baker Block, Erie, Pa.
by, Clement, S., architect, 757 E. 6th, Erie, Pa.
by, Edgar L., architect, 169 W. Tremont av, New York.
by, Edmund B., metallurgical engrs., Security Bldg., St. Louis, Mo.
by, G. J., Co., optical goods, Willimantic, Conn.
by & Gallop, canned goods, Oxford, Md.
by, Geo., Jr., Paint Co., Gloucester & New Bedford, Mass.
by Lumber Co., Houston, Tex.
by Mfg. Co., toys, Middletown, Conn.
by & Naber, cornices & skylights, Springfield, Mo.
by Planing Mill Co., Thomasville, Ga.
by, Thos. H., & Sons, ship bldrs., St. Michaels, Md.
by, Walter B., architect, 527 5th av, New York.
by-Wood Lumber Co., Muncie, Ind.
hberger, M., & Co., glass shades, gas burner tips, 116 E 27th, New York.
hheimer Bros. Co., paper bags, 433 W. Ohio, Chicago Ill
hhof, Frank, Lumber Co., contractor, 7th & Lawrence, Denver, Colo.
hhoff Piano Co., 250 E. 139th, New York.
hner Constr. Co., 221 W. 9th, Cincinnati, Ohio.
hner, H. Wm., architect, International Life Bldg., St. Louis, Mo.
hner Iron & Wire Co., 1149 Norwood rd, Cleveland, O.
hoff, A. G. J., contractor, New Rochelle, N. Y.
hoff Bros., masons & bldrs.' matls., Hampshire, Ill.
hoff & Rose, architects, Majestic Bldg., Milwaukee, Wis.
ham & Parlett, architects, 25 Harrison av, Springfield, Mass.
, Bimpson, steam & hot water htg. contr., 441 W. 50th, New York.
, C. H., architect, Helena, Montana.
Cogeshall Co., label mfrs., 1740 Huron, Milwaukee, Wis.
, E. W., Soap Cleanser Co., glycerine, Edina, Mo.
, Geo. H., htg. contrs., 6711 Wentworth av, Chicago, Ill.
, Halbicht, Co., skylight ventilating apparatus, 108 S. Calvert, Baltimore, Md.
, Harry D., inks, mucilage mfr., 2316 W. Harrison, Chicago, Ill.
, Hutton & Co., whol. hdwe., New Castle, Pa.
. J. B., mach. & fndr., The Dalles, Ore.
. Jas. S., & Co., glycerine & soap, 106 E. Austin, Chicago, Ill., & Wabash Bldg., Pittsburgh, Pa.
, John P., ship bldr., Toms River, N. J.
, Joseph H., Co., barrels, 725 W. 31st, Chicago, Ill.
Latty Mfg. Co., bolt, nut, rivet, etc., imp., 1871 W. 85th, Cleveland, Ohio.
Sam'l, & Son Co., silver nov., 108 E. Baltimore, Baltimore, Md.
Supply Co., mill & facty. supplies, Farmers' Bk. Bldg., Ptg., Pa.
W. P., Co., cornices, Bridgeport, Conn.
Walter R., chemicals & glycerine, 327 S. La Salle, Chicago, Ill.
& Blum Mfg. Co., dust collectors, sheet metal specialties, etc., 2850 Springgrove av, Cincinnati, Ohio.
er, L. C., & Son, contractors, Beaver Falls, Pa.
and, F. W., architect, Rome, N. Y.
in Clay Mfg. Co., brick, Kirklin, Ind.
man Engng. Corp., elec. fuses, 237 Lafayette, New York.
man & Son, soap & soap powders, etc., 215 Water, Brooklyn, N. Y.
patrick Bros., stone prod., Hancock, N. Y. & 1047 S. 23d. Philadelphia, Pa.
Kirkpatrick Christian M., contractor, Greenfield, Ind.
Kirkpatrick Hardware Co., Atlanta, Ga.
Kirkpatrick, J. O., & Sons, masons & bldrs.' matls., Nashville, Tenn.
Kirkpatrick Lumber Co. (Ltd.), Glenmora, La.
Kirkpatrick Mfg. Co., elec. wiring mouldings, Glenwood & N. American, Philadelphia, Pa.
Kirkpatrick Norton, architect, Gluck Bldg., Niagara Falls, N. Y.
Kirkpatrick Sand & Cement Co., Birmingham, Ala.
Kirkpatrick, W. J., masons & bldrs.' matls., Battle Creek, Mich.
Kirkup, Robt., & Co., brass fndrs., 616 Lodge, Cincinnati, Ohio.
Kirkwood Wind Engine Co., machsts. & fndrs., Arkansas City, Kans.
Kirn, G. C. Adv. Sign Co., elec., 1303 Pine, St. Louis, Mo.
Kirn, M. L., & Bro., fndrs., 2135 N. Lawrence, Philadelphia, Pa.
Kirner, Philip, contrs., St. Marys, Pa.
Kirsch, Jacob Co., cornices & skylights, 3234 Penn av, Pittsburgh, Pa.
Kirsch Mfg. Co., curtain rods, Sturgis, Mich.
Kirsch, Peter, sashes, doors & blinds, Decatur, Ind.
Kirsch, Sellemeyer, & Sons Co., masons & bldrs.' matls., Decatur, Ind.
Kirschbraun, Lester, testing engineer, 160 N. Wells, Chicago, Ill.
Kirschke, Oscar R., architect, Grand Island, Nebraska.
Kirschner Bros., contractors, Erie, Pa.
Kirsh, Frank W., cornices & skylights, Everett, Wash.
Kirst, J. Wilfred, architect, 12 N. Broadway, Yonkers, N. Y.
Kirstein, E., Sons Co., optical goods, Rochester, N. Y.
Kirstin, A. J., Co., stump pullers, Escanaba, Mich.
Kirtland Bros., & Co., safety razors mfrs., 96 Chambers, New York.
Kirtland, W. H., slate slabs, stairs, threads, etc., 1123 B'way, New York.
Kirwan Bros., lumber mfrs., Fulton & Adams, Louisville, Ky.
Kirwan, J. E., Co., canned goods, Atlantic Wharf, Baltimore, Md.
Kirwan, Wm. T. A., & Son, cornices, Barney & Westphal, Baltimore, Md.
Kirwin Bros., contractors, Newport, R. I.
Kiskiments Coal Co., bituminous, Blairsville, Pa.
Kisner, John M., & Bro., Lumber Co., Fairmont, W. Va.
Kissam, Henry Snyder, decorative architect, 25 Madison av, New York.
Kissel Motor Car Co., Hartford, Wis.
Kisselstein, Will, willow ware mfrs., R. D. No. 3 Central Square, New York.
Kissinger's, Benj., Sons, brick, York, Pa.
Kissinger's, Jacob, Sons, machsts., 75 Fulton, New York.
Kissner, R. D., masons & bldrs.' matls., Delaware, Ohio.
Kister, F. L., Jr., lumber, Bowling Green, Ky.
Kistler, Lesh & Co., leather belting butts, 332 Sumner, Boston, Mass.
Kistler & Steppstedt, machsts. & fndrs., Odebolt, Ia.
Kistler, W. H., Stationery Co., Denver, Colo.
Kistner, Geo. C., contractor, Elkhart, Ind.
Kistner, Theodore C., architect, Amer. Nat'l Bk. Bldg., San Diego, Cal.
Kitchell, Bruce P., architect, 207 Market, Newark, N. J.
Kitchen Service Co., 37 W. Van Buren, dish washing mach., Chicago, Ill.
Kitchen Specialty Mfg. Co., pot covers, Reading, Pa.
Kitfield, Edw. H., mill engrs., 85 Waters, Boston, Mass.
Kitko, Chas., cornices, 2923 Olive, St. Louis, Mo.
Kitner, F. H., common brick, Woodson, Ill.
Kitselman Bros., fence machines, metal fence posts, etc., Muncie, Ind.
Kitson Hydro-Carbon Htg. & Incandescent Lighting Co., cocks & machsts. & fndrs., 2819 Oakford, Philadelphia, Pa.
Kittanning Brick & Fire Clay Co., common, Empire Bldg., Pittsburgh, Pa.
Kittanning Clay Mfg. Co., brick, Kittanning, Pa.
Kittanning Clay Products Co., brick, Bradford, Pa.
Kittanning Iron & Steel Mfg. Co., Kittanning, Pa.
Kittinger Furniture Co., portables, 1893 Elmwood av, Buffalo, N. Y.
Kittinger & Stock, sash, door & blind mfrs., Canal Fulton, Ohio.
Kittitas Lumber Co., Ellensburg, Wash.
Kittle, H. M., & Co., trunk mfrs., 197 Jefferson av, Detroit, Mich.
Kittoe Boiler & Tank Co., Inc., Canton, Ohio.
Kittredge Quarries, Milford, N. H.
Kittredge, R. J., & Co., label mfrs., 812 W. Superior, Chicago, Ill.
Kittredge-Waters Supply Co., Ltd., mill & facty. supplies, 422 Common, New Orleans, La.
Kitts Mfg. Co., steam specialties—regulators, taps, etc., Oswego, N. Y.
Kitts Steam Specialty Co., Oswego, N. Y.
Kitz, Joseph, brewers' pitch & shellac, 333 Jefferson, Hoboken, N. J.
Kitzelman & Dilley Co., cornices, 5918 Lowe av, Chicago, Ill.
Kivette, W. R., lbr., La Grande, Ore.
K. & K. Brick Co., Los Angeles, Cal.
Klaas, Max, shears, knives, etc., 108 Fulton, New York.
Klaber, A., & Son, plumbers' marble wks., 211 Vernon av, Long Island City, N. Y.

Klaber, Eugene H., architect, 101 Park av, New York.
Klaber, S., & Co., brass fndrs., Carlstadt, N. J.
Klaber, S. & Co., bronze fndrs., 21 W. 39th, New York.
Klafter, David Saul, architect, 64 W. Randolph, Chicago, Ill.
Klaine, F. A., Co., stove mfrs., Front & Central, Cincinnati, Ohio.
Klamt & Miner, bldg. contrs., Portland, Ore.
Klappert's, C. W., Sons, contractors, 328 E. 25th, New York.
Klapproth, Wm. C., architect, Oshkosh, Wis.
Klarer Provision Co., meat packers, Louisville, Ky.
Klarquist, S. M., & Son, contractors, Security Bk. Bldg., Minneapolis, Minn.
Klatt, W. C., & Sons, lumber mfrs., Goldendale, Wash.
Klauberg, C., & Bros., razors mfrs., Woolworth Bldg., New York.
Klauder-Weldon Dyeing Mach. Co., machsts. & fndrs, Yardley, Pa.
Klauer Mfg. Co., metal ceilings, etc., Dubuque, Ia.
Klaunerg, Hugo, willow furniture, Berkeley, Cal.
Klaus & Baxter, contractors, 1745 S. Conestoga, Phila., Pa.
Klaus & Co., machsts., 541 Ferry, Newark, N. J.
Klause, Chas., fndrs., 460 N. 12th. Philadelphia, Pa.
Klause, Jos. P., elec. light fix. mfrs., 11th & Ridge, Phila., Pa.
Klausmann, Henry W., contractor, 35 W. 36th, Indianapolis, Ind.
Klaxon Co., fire alarms, 194 Wright, Newark, N. J.
Klean-Wel Mfg. Co., wall paper cleaner, soaps, & cleaning specialties, Superior Viaduct, Cleveland, Ohio.
Kleansall Co., soap, 332 McKnight Bldg., Minneapolis, Minn.
Kleban, Louis E., contractor, 1714 Crotona Park E., New York.
Klebansky, Wolf, bristles, horse hair, 246 S. 3d, Phila., Pa.
Kleber Piano Co., 237 5th av., Pittsburgh, Pa.
Kleber Truck Co., 2308 Josephine, Pittsburgh, Pa.
Kleck, J. W., mattresses, San Antonio, Tex.
Klee-Thomson Co., archl. decorators, 327 E. 40th, New York.
Kleeb Lumber Co., South Bend, Wash.
Kleeman, L. F., Mfg. Co., archl. & orna. Iron, 1923 Central, Kansas City, Mo.
Kleeman, Wm., & Co., interior hardwood work (mfrs. & erectors), 101 Park av, New York.
Kleemann, Otto, architect, 155 E. 14th, Portland, Ore.
Klehm, John & Sons, landscape archs, 428 Jefferson, Milwaukee, Wis.
Kleiber & Co., automobile bldrs., 1426 Folsom, San Francisco, Cal.
Klein, A., cornices & skylights, 383 E. 34th, New York.
Klein Bros., bamboo furniture, Paynstar av, Long Island City, N. Y.
Klein Bros., Co., contractors, Dallas, Tex.
Klein Bros. Packing Co., meat packers, Presto, Pa.
Klein, C. H., Brick Co., Chaska, Minn.
Klein & Cohn, scrap iron, rubber, 518 Hannibal, Cincinnati, O.
Klein Edward A., architect, 112 E. 19th, New York.
Klein, Ernest, & Bro., ground connect. clamps, 44 Fulton, New York.
Klein, Fred, cornices & skylights, Findlay, Ohio.
Klein, J. B., Iron Fdry. Co., Oklahoma, Okla.
Klein-Logan Co., stone axes & railroad supplies, 13th & Breed, Pittsburgh, Pa.
Klein Mfg. Co., rfg. cements, Am. Trust Bldg., Cleveland, Ohio.
Klein, Mathias, & Sons, guy anchors, seats & expansion bolts, etc., 3200 Belmont av., Chicago, Ill.
Klein Max, 38 Park Row, New York. *See adv. index at end of book*
Klein, Murray, architect, 116 Grove, Brooklyn, N. Y.
Klein, Nathan, & Co., machy. dlrs., 208 Center, New York.
Klein, Oscar, paper, Clinton, Ia.
Klein, Paul, masons' & bldrs.' matls., Iola, Kan.
Kleinbeck, C. H., Co., caramel paste, Geneva, Ill.
Kleine & Daumeyer, carriages, 14 W. 12th, Cincinnati, Ohio.
Kleine, Geo., films, 63 E. Adams, Chicago, Ill.
Kleine Optical Co., moving picture machs., 207 S. Wabash av, Chicago, Ill.
Kleine, Wm. E., & Co., whol. hdwe., 120 W. B'way, New York.
Kleinert, Albert E., contractor, 316 Flatbush av, Bklyn, N. Y.
Kleinert, I. B., Rubber Co., rubber bath curtains & rubber goods, 725 Broadway, New York.
Kleinhammer, H., architect, Plattville, Wis.
**KLEINHANS, H., CO.,** machy. dlrs., railroad equipments, 532 Union Arcade, Pittsburgh, Pa.
*See adv index at end of book.*
Kleinhenz, J. G., architect, 1839 E. 12th, Brooklyn, N. Y.
Kleinke, Aug., contractor, West Hoboken, N. J.
Kleinman, R. F., wrought iron pipe couplings, 4508 n. 8th, Philadelphia, Pa.
Kleinpell, W. E., architect, 618 Aldama ter, Los Angeles, Cal.
Kleinschmidt Elec. Co., tele. instruments, 36 Flatbush av, Brooklyn, N. Y.
Klemann & Fowler, architects, First Nat'l Bk. Bldg., Trenton, N. J.
Klemm & Co., lamps, shades, etc., 132 N. 5th, Philadelphia, Pa.
Klemm, E. R., auto bldrs., 1447 W. Austin av, Chicago, Ill.
Klenk, August, billiard & pool tables, 483 Alfred, Detroit, Mich.
Klenk, Martin, carriages, Sandusky, Ohio.
Klenke, F. J., Co., plbr's. traps, & brass tubing, Sharon bldg., San Francisco, Cal.
Kleno Mfg. Co., soap, North Weymouth, Mass.
Klepach, John, contractor, Cedar Rapids, Ia.
Klesius, Geo. A., cornices, 609 12th, Altoona, Pa.
Klett, Jacob, & Sons, lumber mfrs., Ft. Wayne, Ind.
Klett, H. G., machsts., 1883 Park av, New York.

Kletting, R. K. A., architect, Felt Bldg., Salt Lake City, Utah.
Kleymeyer-Klute Brick & Tile Wks., Henderson, Ky.
Klicka, Jos., Co., mouldings, W. 20th & S. California av, Chicago, Ill.
Klieves Lumber Co., sash, door & blind, Wheeling, W. Va.
Klimpl Medal Co., emblems & pins, 14 John, New York.
Klinck Bros., meat packers, 588 Howard, Buffalo, N. Y.
Klinck, C., Packing Co., meat, 50 Depot, Buffalo, N. Y.
Klincke, Wm. C., contractor, 1715 W. Venango, Philadelphia, P
Klindt, Geiger Canning Co., Cassville, Wis.
Kline Car Corp., Richmond, Va.
Kline & Co., machinists & founders, Reading, Pa.
Kline & Co., masons' & bldrs.' matls., & whol. hdwe., William port, Pa.
Kline, D. Milton, brick, Reading, Pa.
Kline, Dan'l M., contractor, Wilkes-Barre, Pa.
Kline, Mrs. Eliz., flour mills, Brookville, Pa.
Kline Hdwe. Co., machsts. & fndrs., Allentown, Pa.
Kline, Geo. W., architect, Butler, Pa.
Kline, Jas. M., hydraulic rams, Beavertown, Pa.
Kline, John, Brick Co., Wickliffe, Ohio.
Kline Kar Corp., auto. builders, Richmond, Va.
Kline, Lewis T., mill, machsts. & facty. supplies, etc., Alpen Mich.
Kline Lumber & Constr. Co., New Castle, Pa.
Kline, M. L., Co., mill, facty., plumbers' & steam fitters' su plies, 84 Front, Portland, Ore.
Kling Bros. Engng. Wks., drilling, punching & shearing mach etc., 1300 N. Kastner av., Chicago, Ill.
Kling Co., contrs., 1605 E. 15th, Los Angeles, Cal.
Kling Mfg. Co., fly nets, 2425 Fond du Lac av, Milwaukee, W
Kling & Zenk, architects, Davis blk, Youngstown, Ohio.
Klingberg, W., & Son, contractors, 50 Church, New York.
Klingensmith, A., architect, Merchant's Nat'l Bk. Bldg., Fo Smith, Ark.
Klingensmith, H. A., & Son, masons' & bldrs.' matls., New Ke sington, Pa.
Klingler, H. J., & Co., buckwheat flour, Butler, Pa.
Klinkart, A. J., architect, Hagerstown, Md.
Klintz, A., & Co., elec. signs, 905 W. Randolph, Chicago, Ill.
Klipfel Mfg. Co., machinists, 2651 W. Harrison, Chicago, Ill.
Klip-Klip Co., nail clippers, Rochester, N. Y.
Klipper Mfg. Co., machsts. & fndrs., Beaver Dam, Wis.
Klipstein, A., & Co., chemicals, 644 Greenwich, New York.
Klipstein & Rathmann, architects, Chemical Bldg., St. Louis, M
Klipstine, Wm., Lumber Co., Sidney, Ohio.
Klise Mfg. Co., carved mouldings, Grand Rapids, Mich.
Klitz & Koisgaard, contrs., Dwight, Ill.
Kloak Bros. & Co., store fixtures, 12 E. 3rd, Cincinnati, Oh
Klock, A. B., machinist, Herkimer, N. Y.
Kloes, F. J., window shades, 243 Canal, New York.
Klondike Incubator Co., Des Moines, Ia.
Klopfer, Fred'k, carriages, Muncie, Ind.
Klopp, John F., contractor, Ellicott sq, Buffalo, N. Y.
Klopping, A. C., stampings, etc., Toledo, Ohio.
Klose, A., semi-continuous kilns, 277 Hawthorn av, Portla Ore.
Klose, C., & Co., brick, Aurora, Neb.
Klose, J. Chas., landscape architect, West Hoboken, N. J.
Klostermeier Bros. Hardware Co., Atchison, Kan.
Klostermeier, Louis, brick, Boonville, Ind.
Klotz, A., concrete floors & arches & flue linings, 2517 Wa ington av, New York.
Klotz, E. L., masons' & bldrs.' matls., Little Falls, N. J.
Klotz Machine Co., wood working machy., Sandusky, Ohio.
Klubertanz Bros. Co., cornices, 889 23d, Milwaukee, Wis.
Kluegel, T. J., Carriage & Wagon Mfg. Co., 827 S. B'way, Louis, Mo.
Klufkee, H. E., Saddlery Co., hdwe. mfrs., 109 N. 3d, Phila.,
Kluge, E. H., Weav'g Co., labels, 33 W. 34th, New York.
Kluin, E., & Sons, machsts. & brass fndrs., Elizabeth, N. J.
Klumpp's, Jno. G., Sons, bowling alley bldrs., etc., 13 Baxt New York.
Klunk, Wm. J., contractor, Hanover, Pa.
Klutho, H. J., architect, St. James Bldg., Jacksonville, Fla.
Klutho, Victor J., architect, Syndicate Tr. Bldg., St. Louis, M
Kluyskens, G. J., autos, 220 B'way, New York.
Klyce, Harvey A., contractor, Sheldon Bldg., San Francisco, C
K. & M. Brass & Aluminum Co., castings, Harvard & E. 108 Cleveland, Ohio.
Knabb, A. & Co., cooperage stock, Warren, Pa.
Knabb, L., turpentine, Moniac, Ga.
Knape, E. P., machsts. & fndrs., Twin Falls, Idaho.
Knape & Vogt Mfg. Co., Grand Rapids, Mich.
Knapheide, Hy., Wagon Co., Quincy, Ill.
Knapp, Arthur, Engineering Corp., mechanical engineers, 19 44th, New York. *See adv. index at end of book.*
Knapp, Arthur P., arch'l iron, Lowell, Mass.
Knapp & Bosworth, architects, 15 S. Franklin, Wilkes-Barre.
Knapp Bros. Mfg. Co., valves, feed water regulators, metal st 2419 W. 14th, Chicago, Ill.
Knapp, C. H., machinist, Paterson, N. J.
Knapp Co., desk calendars, 52 E. 19th, New York.
Knapp, E. J., & Co., paint, Belding, Mich.
Knapp, Edw. J., Candle Co., Syracuse, N. Y.
Knapp Elec. & Nov. Co., elec. portable fans, 509 W. 51st, N York.

pp, Fred H., Co., labeling mach. mfrs., Lexington bldg., Baltimore, Md.
pp, Gardner & Co., machsts. & fndrs., 62 Sudbury, Boston, Mass.
pp, Geo. E., lbr., Tilton, N. H.
pp, Geo. S., mfrs. paper boxes, Bridgeport, Conn.
pp, Herbert E., architect, Waterville, Me.
pp, Homer, contractor, Rochester, N. Y.
pp, Horace Greeley, architect, 235 Fulton, New York.
p, Jacob, willow ware mfrs., 133 Brow, Liverpool, N. Y.
pp, John, & Sons, Foundry Co., Akron, Ohio.
p Mfg. Co., dust pans, regulating sockets, tack molds, etc., 48 Warren, New York.
p Mfg. & Supply Co., brass trays, lamps, oilers, torches, etc., 241 Water, New York.
p, O. H. P., cornices & skylights, Emporia, Kan.
p, O. P., & Son, carriages, Aurora, Ill.
p & Ronneberger, machsts. & fndrs., Anacortes, Wash.
p Rubber Bind'g Co., stair nos'g & carpet bind'g, 31 E. 17th, New York.
p & Spencer Co., whol. hdwe., Sioux City, Ia.
p Supply Co., mill, facty. & plumbers' supplies, Union City, Ind.
pe, I. Jay, archit., Griffith, McKenzie bldg., Fresno, Cal.
pmann, Wm., & Co., chalk & whit'g mfrs., Grand, Brooklyn, N. Y.
pton Mills & Lumber Co., Knappton, Wash.
er, Newton W., contractor, Atlantic City, N. J.
ff & Esterbrook, stopper rod sleeves, Cleveland, Ohio.
r & Howe, machsts. & fndrs., Denison, Tex.
r, W. E., machst. & fndr., Denison, Tex.
th Bros., surgical & dental instruments, 220 4th av, New York.
ss, Geo. W., motor boat bldrs., 18th & Illinois, San Francisco, Cal.
t, M., & Sons, machsts. & fndrs., West Salisbury, Pa.
t Milling Co., flour, Mill Hall, Pa.
t & Thomas Pump Co., Union City, Ind.
ler & Co., awning stripes, tickings, Eadom & Kennedy Philadelphia, Pa.
and-Bigelow Co., lbr. mfrs., Bay City, Mich.
and-McClurg Lumber Co., Phillips, Wis.
kern, J. H., & Sons, sash, door & blind mfrs., St. Johnsville, N. Y.
el, Edward, architect, State Nat'l Bk. Bldg., El Paso, Tex.
Albert, architect, Natural Brg., St. Louis, Mo.
ug, A., architect, Union Trust Bldg., San Francisco, Cal.
er, Jno. H., & Son, heating contractors, 501 Washington, uffalo, N. Y
, H. E., contractor, Stimson Bldg., Los Angeles, Cal.
ger, Chas., Lbr. Co., Peoria, Ill.
s, Benj. R., mason contrs., Unionville, Conn.
rbocker Annunciator Co., 116 West, New York.
erbocker Bag Co., second-hand bags, 7 Front, New York.
rbocker Case Co., sample cases, traveling bags & suit ses, 230 N. Clinton, Chicago, Ill. *See adv. index at end of book*
erbocker Chandelier & Elect'l Supply Co., gas light fixture frs., 325 W. 42d, New York.
rbocker Co., dust collectors & concrete mixers, cor. Park Liberty, Jackson, Mich.
rbocker Elec. Co., annunciators & elev. indicators, 116 est, New York.
rbocker Elev. Gate Co., automatic, 116 West, New York.
rbocker Lthr. & Nov. Co., advtg. nov. & spec., 79 5th av, ew York.
rbocker Lime Co., 364 N. 24th, Philadelphia, Pa.
rbocker Mach. Works., machsts. & fndrs., 161 Perry, New rk.
rbocker Mfg. Co., hrwe. mfrs., Belleville, N. J.
rbocker Metallic Bed Co., machinists, Bayonne, N. J.
rk.
rbocker Paint Co., mfrs., 185 Madison av, New York.
bocker Portland Cement Company, Inc., 30 E. 42nd, New rk.
rbocker Silver Co., Port Jervis, N. Y.
bocker Slate Corp., slate, 153 E. 38th, New York.
bocker Supply Co., mill & factory supplies, 149 Church, w York.
bocker Valve Co., heat generators, Oneida, N. Y.
rbocker Watch Co., Woolworth Bldg., New York.
, Arthur J., lbr., Dublin, N. H.
Brinckerhoff Piano Co., Brazil, Ind
Bros., brass castings, Portland, Me.
& Co., machinists, Sutter Creek, Cal.
Co., screw products, David Whitney bldg., Detroit, Mich.
& De Micco, contractors, 2353 Washington av, New York.
Eugene H., architect, 1607 Empire Bldg., Birmingham, a.
F. C., & Co., architects instruments & supplies, 400 ust, Philadelphia, Pa.
Geo. C., machsts., Woonsocket, R. I.
Geo., & Co., machsts. & fndrs., Brockton, Mass.
H. W., & Sons, metal numbers & letters, Seneca Falls, Y.
Iron & Metal Co., scrap metal merchts., 27th to 28th, & av, Birmingham, Ala.
J. T. & Son, scrap metal merchants, Columbus, Ga.

Knight & Jilson Co., water heaters, Indianapolis, Ind.
Knight Light & Soda Fountain Co., 351 W. Chicago, av, Chicago, Ill.
Knight Mfg. Co., saw mill machy., Canton, Ohio.
Knight, Maurice A., acid & chem. stoneware, Akron, Ohio.
Knight, Maurice L., stone producers, 1025 W. Mulberry, Baltimore, Md.
Knight Packing Co., canned goods, Portland, Ore.
Knight, R. W. B., brass pipe fittings, 169 Dorrance, Providence, R. I.
Knight & Thomas, fire extinguishers, etc., 212 Summer, Boston, Mass.
Knight Tire & Rubber Co., Canton, Ohio.
Knight, W. B., Machinery Co., 3920 W. Pine Blvd., St. Louis, Mo.
Knight, W. E., contractor, Decatur, Ill.
Knight & Wall Co., whol. hdwe., masons & bldrs.' matls. & mill & facty. supplies, Tampa, Fla.
Knight Woolen Mills, Provo, Utah.
Knightley Milling Co., flour mills, Fort Defiance, Va.
Knighton, W. C., architect, Tilford Bldg., Portland, Ore.
Knights, W. R., htg. contrs., 1224 E. Lake, Minneapolis, Minn.
Knightstown Buggy Co., carriages, Knightstown, Ind.
Knightstown Conserve Co., Knightstown, Ind.
Knisely Bros., cornices, fireproof windows & metallic window frames, 2799 S. 5th av, Chicago, Ill.
Knisely, H. C., Co., cornices & fireproof sashes & windows, 1908 S. Western av, Chicago, Ill.
Knit Goods Mfg. Co., sweaters, cardigans, etc., 196 Palmeto, Brooklyn, N. Y.
Knit Goods Specialty Co., mantle knittings machy., Chicopee Falls, Mass.
Knitted Padding Co., Canton Junction, Mass.
Knittel, Jos., Show Case Co., Quincy, Ill.
Knoble Filter Co., 1587 Clybourn av, Chicago, Ill.
Knoblock & Kapper, contrs., Massillon, Ohio.
Knoburn Co., doors, window frames, etc.—metallic, Hoboken, N. J.
Knobview Canning Co., Knobview, Mo.
Knodle, B. C., cornices & skylights, De Kalb, Ill.
Knoedler, Fred J., tin plate, metals, etc., 68 N. 2d, Phila., Pa.
Knoek, L. S., & Co., whol. hdwe., 188 State, Hartford, Conn.
Knoell Bros., contractors, 1211 S. L., Tacoma, Wash.
Knoell, John, & Sons, refrigerators, 179 Jefferson, Phila., Pa.
Knoell Mfg. Co., advtg. spec., Tonawanda, N. Y.
Knoeller Elect. Co., light switches & rheostats, De Pere, Wis.
Knoeppel C. E. & Co., engnrs., 52 Vanderbilt av, New York
Knoff Mfg. Co., machinists, Mankato, Minn.
Knoke, O. E., lbr., Hatley, Wis.
Knoll A. H., architect, Hearst bldg., San Francisco, Cal.
Knoll, Carl A., & Son, contrs., 59 Sherman av, New Haven, Conn.
Knoll, J. H., washing machines (clothes), Reading, Pa.
Knoll, Janas L., Mfg. Co., clothes washing machines, Lebanon, Pa.
Knollenberg Milling Co., flour, Quincy, Ill.
Knoop, Otto, Lumber & Realty Co., 1217 Julia, New Orleans, La.
Knopel-Mappa Co., machsts., Louisville, Ky.
Knopf, Chas., architect, 523 Springfield av, Newark, N. J.
Knopp, Bernard, contractor, 431 W. 41st, New York.
Knopp Bros. Co., contractors & masons & bldrs.' matls., Toledo, Ohio.
Knopp, Geo. A., architect, 111 W. Monroe, Chicago, Ill.
Knopp, John, contractor, Winona, Minn.
Knorr, Edwin B., & Bro., plate glass, 1817 Orthodox, Fkd., Phila., Pa.
Knott, E. R., Mach. Co., 32 Dorchester, Boston, Mass.
Knott & Harker Co., glass house machy., Beaver Falls, Pa.
Knott, L. & Co., sash, door & blind mfrs., Cassadaga, N. Y.
Knott, L. E., Apparatus Co., scientific & chemical apparatus mfrs., 79 Amherst, Cambridge, Mass.
Knott Mfg. Co., plumbers' woodwork, Tell City, Ind.
Knott's, David N., Sons, second hand bags, 104 Callowhill, Philadelphia, Pa.
Knowlan Mach. & Supply Co., Victoria, Tex.
Knowles, A. E., carriages, North Chesterville, Me.
Knowles, Adam, machst., Woodstown, N. J.
Knowles, Edwin M., China Co., East Liverpool, Ohio.
Knowles, Harry P., architect, 52 Vanderbilt av, New York.
Knowles-Lombard Co., canned goods, Guilford, Conn.
Knowles & Mathewson, contractors, Call Bldg., San Francisco, Cal.
Knowles, Morris, modernizing engrs., Oliver Bldg., Pittsburgh, Pa.
Knowles Mushroom Ventilator Co., 9 Church, New York.
Knowles & Peck, cornices, Rochester, N. Y.
Knowles Scale & Supply Co., mill & fcty. supplies, Lowell, Mass.
Knowles Scale Works, Lowell, Mass.
Knowles Steam Pump Wks., pumping machy., 115 B'way, New York.
Knowles, Taylor & Knowles Co., crockery, East Liverpool, Ohio.
Knowles W., architect, Hearst bldg., San Francisco, Cal.
Knowles, W. H., Foundry & Machine Co., machsts. & fndrs., Ottawa, Ill.
Knowles W. W., architect, Bridge Plaza, Long Island City, N. Y.
Knowles, Wm. H., & Co., mill & facty. supplies, New Bedford, Mass.

Knowles, Wm. W., architect, 35 W. 39th, New York.
Knowlson, A. B., Co., masons & bldrs.' matls., Grand Rapids, Mich.
Knowlson & Kelley Co., engineers, etc., Troy, N. Y.
Knowlton, A. T., Co., toasters, 99 Congress, Detroit, Mich.
Knowlton, B. E., lumber, Burnett, Wash.
Knowlton Bros., machsts. & fndrs., Camden, Me.
Knowlton Bros., paper & pulp mills, Watertown, N. Y.
Knowlton, Geo. W., Rubber Co., packing, 60 Pearl, Boston, Mass.
Knowlton, Harry B., carriages, North Chesterville, Me.
Knowlton, M. D., Co., paper box machinery, 26 Elizabeth, Rochester, N. Y.
Knowlton Mach. Co., Westbrook, Me.
Knowlton & Stone Co., masons & bldrs.' matls., Keene, N. H.
Knox, A. N., architect, Security bldg., Seattle, Wash.
Knox & Allen, metallurgical engineers, 17 Madison av, New York.
Knox, Arthur Howell, architect, 14 W. Washington, Chicago, Ill.
Knox, C. B., Co., glue mfrs., Johnstown, N. Y.
Knox City Iron Wks., stove mfrs., Knoxville, Tenn.
Knox & Elliott, architects, Rockefeller Bldg., Cleveland, Ohio.
Knox, Geo. S., Co., hand vacuum cleaners, Wilkinsburg, Pa.
Knox, J. E., & Co., rubber & cutting dies, Lynn, Mass.
Knox Lumber Co., Aitkin, Minn.; Cogdell, Ga.; Hemphill, Tex.
Knox & Maier Co., concrete roofing tile, Atlanta, Ga.
Knox Mfg. Co., hose clamps, couplings, cocks, valves, etc., 321 Cherry, Philadelphia, Pa.
Knox Metal Wheel Co., Knox, Ind.
Knox & Morse Co., shellac, 96 High, Boston, Mass.
Knox Motors Co., builders of "Knox" tractors, Springfield, Mass.
Knox Stove Works, Knoxville, Tenn.
Knox, Strouss & Bragdon, masons & bldrs.' matls., Juniata & Preble, Ptg., Pa.
Knox, W. E., masons' & bldrs.' matls., Wakefield, Mass.
Knox, W. & J., Net & Twine Co., Johnson & Barney, Baltimore, Md.
Knox Woolen Co., wood felts, etc., Camden, Me.
Knoxville Abbatoir Co., meat packers, Knoxville, Tenn.
Knoxville Brick Co., Knoxville, Tenn.
Knoxville Excelsior & Mattress Co., Knoxville, Tenn.
Knoxville Foundry & Machine Co., Knoxville, Tenn.
Knoxville Furniture Co., wood mantels, Knoxville, Tenn.
Knoxville Glove Mfg. Co., Knoxville, Tenn.
Knoxville Iron Co., Knoxville, Tenn.
Knoxville Lumber & Mfg. Co., masons & bldrs.' matls., Knoxville, Tenn.
Knoxville Veneer Co., Knoxville, Tenn.
Knubel, John H., architect, 305 W. 43d, New York.
Knudson, H. P., contractor, Waupaca, Wis.
Knudson, Knud P., contrs., Kenosha, Wis.
Knudson & Mercer Lumber Co., 28 E. Jackson blvd, Chicago, Ill.
Knutzen Bros., lbr., Burlington, Wash.
Kny-Scheerer Co., surgical instrs. & X-ray app., 404 W. 27th, New York.
Koban Mfg. Co., rowboat motors, 241 S. Water, Milwaukee, Wis.
Koberlein Fred'k, machst. & fndr., 508 W. 24th, New York.
Kobert, H. G., contractor, 1212 McGee, Kansas City, Mo.
Koblitz-Kohn Co., scrap rubber, 2374 Canal rd, Cleveland, Ohio.
Kobmann, Chas., cornices, 1919 Central av, Cincinnati, Ohio.
Koch, A. D., architect, 120 Wisconsin, Milwaukee, Wis.
Koch, Alfred S., & Sons, machsts., Lancaster, Pa.
Koch, Ands., musical instruments (strings, etc.), 296 B'way, New York.
Koch Bros., fndrs., Harvey, Ill.
Koch Bros. Co., carriages, New Waterford, O.
Koch Butcher Supply Co., racks for cold storage rooms, 519 Wyandotte, Kansas City, Mo.
Koch, C. L., Co., masons & bldrs.' matls., Maumee, Ohio.
Koch, G. W., & Son, parquet floors, 537 W. 53d, New York.
Koch, E. B., contractor, 28 4th, E., Salt Lake City, Utah.
Koch, Edward A., & Co., cornices, 427 W. Front, Cincinnati, O.
Koch, F. A., & Co., surgical & veterinary instruments, cutlery mfrs., etc., 524 B'way, New York.
Koch, Geo. A., contractor, Reading, Pa.
Koch, Gustav, & Co., badges & emblems, stencils, etc., 120 S. Clark, Chicago, Ill.
Koch, H. C., & Son, architect, Wells Bldg., Milwaukee, Wis.
Koch, Hy., test indicators, Nyack, N. Y.
Koch, Rupert W., architect, Book bldg., Detroit & Ann Arbor, Mich.
Koch & Son Mfg. Co., bob sleds, St. Cloud, Minn.
Koch, Theo. B. & Son, contrs., Pottsville, Pa.
Koch, W. W., lbr., Wilmington, N. C.
Koch & Wagner, architects, 26 Court, Brooklyn, N. Y.
Kocher, A. L., architect, State College, Pa.
Kochler, J., architect, 806 W. 79th, Chicago, Ill.
Kochring Machine Co., concrete mixers, Milwaukee, Wis.
Kochtitzky, Otto, contr., Cape Girardeau, Mo.
K. & O. Co., cigar cutters & bottle openers, 366 Butler, Brooklyn, N. Y.
Kodak, Stephen J., architect, 34 Warburton av, Yonkers, N. Y.
Koebig, P. W., Estate, 116 Broad, New York.
Koechl, Otto R., architect, 15 E. 40th, New York.
Koegel, Chas., & Son, paper wire mill & coating mill, machinery mfrs., Holyoke, Mass.
Koehl, J. W., & Son, screens, 658 S. Anderson, Los Angeles, Cal.
Koehl, Wm., architect, Park Bldg., Cleveland, Ohio.
Koehler, A., Co., masons' & bldrs.' matls., Geneva, Neb.
Koehler Bros., machinists, Saginaw, Mich.
Koehler Bros.-Fowler Constr., 68 Court av, Memphis, Tenn.
Koehler, F. A., contractor, Peru, Ill.
Koehler, F. D., htg. contrs., 560 Richard ter., New Bright N. Y.
Koehler, Fred., cornices, Hazleton, Pa.
Koehler, H. J., Motors Corp., automobile bldrs., Bloomfield, N
Koehler, Hy. L., Mfg. Co., lbr. mfrs., rubber stamps, sten etc., Louisville, Ky.
Koehler & Hinrichs Co., billiard tables, etc., St. Paul, Minn
Koehler, J. P., Co., scrap iron & steel, 2837 Smallman, Pi burgh, Pa.
Koehler Mfg. Co., miners' safety lamps, Marlboro, Mass.
Koehler & Streng Co., scrap iron & steel, Noblestown rd, Pi burgh, Pa.
Koehler, V. Hugo, brewery architect, 2 Columbus Cir., New Y
Kochring Machine Co., concrete mixers, 31st & Concordia Milwaukee, Wis.
Koelble, Henry A., architect, 114 E. 28th, New York.
Koelle, Aug., contractor, 61 Bissell av, Buffalo, N. Y.
Koellen, Henry, contractor, Michigan City, Ind.
Koenig, Adolph G., architect, 405 Lexington av, N. Y.
Koenig, Chas. J. U., contractor, 110 Jessie, San Francisco, C
Koenig, Edw. L., steel lockers, industrial trucks & factory eq ment, 23 W. Kinzie, Chicago, Ill. *See adv. index at end of*
Koenig, F. C., architect, 4920 Parkside av, Philadelphia, Pa.
Koenig, H. B., cornices, Tonawanda, N. Y.
Koenig & Luhrs Wagon Co., Quincy, Ill.
Koenig, Wm., Jr., lamp auto., Brooklyn, N. Y.
Koenigkramer, F. & F., spraying machines, 1914 Western Cincinanti, Ohio.
Koenigsberger, F. H., architect, 665 Broad, Newark, N. J.
Koenigsmark Mill Co., flour, Waterloo, Ill.
Koeppen Mould Wks., Marion, Ind.
Koepsell, J. J., Co., mill & facty. supplies, Sheboygan, Wis.
Koering Cyaniding Process Co., Hammond Bldg., Detroit, M
Koerner, C. A., & Co., contractors, Louisville, Ky.
Koerner, Robert A., architect, 681 Ohio, Terre Haute.
Koetting & Sons, brick, Muscatine, Ia.
Kofoed, Aug., contractor, Silver Creek, N. Y.
Koft, J. Edwin, & Woolling, architects, Indiana Pythian B Indianapolis, Ind.
Koger Pea & Bean Thresher Co., Morristown, Tenn.
Kohaut, John C., engravers' chucks, wooden mallets, etc., Green, Newark, N. J.
Kohberger & Hoyles, contrs., Marion, Ohio.
Kohfeldt, Walter G., architect, 64 E. Van Buren, Chicago,
Kohl & Madden Mfg. Co., inks, 124 Polk, Chicago, Ill.
Kohlbusch, Herman, assay balances, 149 N. Y. av, Jersey N. J.
Kohler Brick Co., Toledo, Ohio.
Kohler Bros., artificial eyes, 129 E. 23rd, New York.
Kohler & Campbell, pianos, 601 W. 50th, New York.
Kohler Co., cast iron enamel & sanitary ware, Sheboygan,
Kohler Die & Specialty Co., weather strips, De Kalb, Ill.
Kohler, F. E., Co., hdwe. specialties, Canton, Ohio.
Kohler, F. F., rims & felloes, South Zanesville, Ohio.
Kohler, Robt. O., architect, 161 Gates av, Brooklyn, N. Y.
Kohler & Liebich, machinists, 1751 Addison, Chicago, Ill.
Kohlhaas Co., card system & files, 183 N. Dearborn, Chicago
Kohlman, Nathan, architect, Godchaux Bldg., New Orleans
Kohlmann Moss & Cotton Felt Co., 3101 Chartres, New Orl La.
Kohlmetz, Chas. E., iron; elevators, Rochester, N. Y.
Kohlmetz, H. L., iron; elevators, Rochester, N. Y.
Kohlmeyer, Geo. E., cornices, 8222 N. B'way, St. Louis, Mo.
Kohls, Wm., machinists, Cologne, Minn.
Kohn, Alfred, contractor, 110 Jessie, San Francisco, Cal.
Kohn, Jacob & Josef, revolving chairs, 507 W. 26th, New
Kohn, Paul, architect, 21 S. Orange av, Newark, N. J.
Kohn, Robert D., architect, 56 W. 45th, New York.
Kohner, Henry, architect, Dime bldg., Detroit, Mich.
Kohnstamm, H., & Co., starch & color mfrs. & imp., 89 Par New York.
Kohrs Packing Co., meat packers, Davenport, Iowa.
Kokensberger, F. H., contractor, Hazleton, Pa.
Koken Barbers' Supply Co., poles, Sidney & Texas, St. Louis
Kokomo Bale Tie Co., Kokomo, Ind.
Kokomo Brass Wks., machinists & founders, Kokomo, Ind.
Kokomo Construction Co., Kokomo, Ind.
Kokomo Elec. Co., machinists, Kokomo, Ind.
Kokomo Fence Mach. Co., Kokomo, Ind.
Kokomo Fertilizer Co., Kokomo, Ind.
Kokomo Hardware Co., Kokomo, Ind.
Kokomo Nail & Brad Co., Kokomo, Ind.
Kokomo Opalescent Glass Co., Kokomo, Ind.
Kokomo Oscillating Fan Co., Kokomo, Ind.
Kokomo Rubber Co., Kokomo, Ind.
Kokomo Sanitary Mfg. Co., plumbers' sanitary earthen mfrs., Kokomo, Ind.
Kokomo Steel & Wire Co., Kokomo, Ind.
Kokomo Stone Co., Kokomo, Ind.
Kokomo Supply Co., mill & facty. supplies, Kokomo, Ind.
Kokomo Trunk Co., Kokomo, Ind.
Kola Lumber Co., Kola, Miss.
Kolar Bros., window display fixtures & poles (curtain, et Baxter, New York.

, Edw., machinist, Lockport, N. Y.
Portable Building Co., portable bldg. & contrs., 30 Church, New York City.
, Wm. A., cornices, Tacoma, Wash.
e, John, Co., glass, paint, 229 W. 5th, Cincinnati, Ohio.
nik, John, Jr., & Co., Inc., grille, fret & lattice, 430 Hancock, Long Island City.
sch & Co., engineering & surveying instruments, 138 Fulton, New York.
A. J., wooden columns, Los Angeles, Cal.
r, E. L., Mfg. & Coal Chute Co., sand screens, etc., 276 Sussex av, Newark, N. J.
r Fertilizer Co., Seitzland, Pa.
r, J. B., & Co., carriage & wagon materials mfrs., Mechanicsburg, Pa.
r & Smith Co., filing cabinets & devices, 21 Howard, New York.
ng Husker Works, Arlington Heights, Ill.
nyer & Talbot, machsts. & fndrs., Keokuk, Ia.
ck, L. R., & Co., masons & bldrs.' matls., Mtrl. Ry. Ex. Bldg., Portland, Ore.
ada Bros., fruit pickers, 1008 Vine, Philadelphia, Pa.
Machy. Co., Hattiesburg, Miss.
gslow, E., Stamping & Tool Wks., Cleveland, Ohio.
gslow, Otto, Mfg. Co., stamping works, 3506 Perkins av, Cleveland, Ohio.
ld, M. J., Co., valves, steam traps, etc., Bessemer Bldg., Pittsburgh, Pa.
hook Rubber Co., 1120 Pine, St. Louis, Mo.
, E. B. & H. J., contractors, 31 Mill, Auburn, N. Y.
s, E. W., & Co., steamfitters' supplies, 911 Filbert, Philadelphia, Pa.
s, Fred'k S., stone producers, Schwenkville, Pa.
s, Wm. U., hot air furnaces, Danville, Ill.
. N. S., & Son Co., fertilizer mfrs., Kenosha, Wis.
lent, Hy., cornices, 2723 Vine, Cincinnati, Ohio.
lson Bros., arch'l & ornamental iron, 4118 Park av, New York.
Bros. Co., canned goods, New Haven, Conn.
J. Edwin, architect, Indiana Pythian bldg., Indianapolis, Ind.
, J. K., granite producers, New London, Conn.
Motor Truck Co., Buffalo, N. Y.
e & Steinichen, sculptors & modelers, architectural, Atlanta, Ga.
elman, Wm. H., contractor, Louisville, Ky.
erman, Jos., & Sons, coppersmiths, 307 Florist, Phila., Pa.
ers Co., The, coke, ovens, etc., Union Arcade, Pittsburgh, Pa.
erud A. H., contr., Oakland, Cal.
itz-Smith Mill Co., lumber, Pacific, Mo.
s, Jno. I., Sons, cornices & skylights, Boonton, N. J.
lwa, E., Co., classic wood carvers, 2220 Ward, Chicago, Ill.
J. deBruyn, architect, 47 Drayton, Savannah, Ga.
r, Albert, & Son, dec. architects, 42 Hanson pl, Brooklyn, N. Y.
r, Herbert W., architect, 42 Hanson pl, Brooklyn, N. Y.
r, J., & Co., hardware, wholesale, Albuquerque, N. Mex.
s, Hy. E., contractor, 243 Moffat, Brooklyn, N. Y.
l, J. A., cornices, 777 Ellis, San Francisco, Cal.
ke, F. H., Brass Mfg. Co., Ltd., 922 Magazine, New Orleans, La.
F. W., Elec. Co., machinists, Lockport, N. Y.
Mfg. Co., sink frames, Lansing, Mich.
ann, Fred'k W., architect, 406 9th av, Long Island City, N. Y.
neyer Co., elect. light plants, Lincoln, Neb.
Geo. W., Razor Mfg. Co., Little Valley, N. Y.
Wm., crayons & pencils, 120 Centre, New York.
neyer Bros., brick, Decorah, Ia.
. C. C., Co., insulator clamps, Johnstown, Pa.
k Falls Mfg. Co., cross arm braces, 335 1st, San Francisco, Cal.
ang, Chas., sash, door & blind mfr., Hoboken, N. J.
r. Albert, & Son, decorative architects, 56 Lafayette av, Brooklyn, N. Y.
ig, Julius C., glass stainers, 717 6th av, New York.
llek, Paul F., & Son, machsts. & fndrs., Stevens Point, Wis.
ky Patent Bake Oven Co., 1079 Mt. Ell, Detroit, Mich.
s Portland Cement Co., Kosmosdale, Ky.
Construction Co., Des Moines, Ia.
& German Co., sash, door & blind, Fostoria, Ohio.
lecky, Jos., carriages, Hoboken, N. J.
er, C. W., lumber, 649 Gratiot av, Detroit, Mich.
Mach. Co., pneumatic tools, 57 Academy, Jersey City, N.J.
g, Charles, archit., Dime Bank Bldg., Detroit, Mich.
lowski, Ernest F., & Co., contractors, 1123 Olive, Indianapolis, Ind.
, Wesley, agricultural implements, Salina, Kan.
sky Bros., contractors, 7 E. 42d, New York.
, L. O., & Bro., boilers, tanks, etc., 154 Ogden av, Jersey City, N. J. *See adv index at end of book.*
H. W., flour, East Bernard, Tex.
F. Elec. Co., switches, San Francisco, Cal.
enschmidt, E. A. P., architect, Newark, N. J.
, Gust., & Son, cornices, Erie, Pa.

Kracke & Flanders,, masons' & bldrs.' matls., 819 Julia, New Orleans, La.
Kraemer Bros., masons' & bldrs.' matls., College Point, N. Y.
Kraemer Mfg. Co., cigar, range & gas lighters, 148 Chambers, New York.
Kraetke Bros., machsts, E. Grand Blvd., St. Aubin, Detroit, Mich.
Kraetzer Co., sash, door & blind mfrs., 1034 W. 22d, Chicago, Ill.
Kraetzer Cured Lumber Co., Moorhead, Miss.
Kraeuter & Co., carpenters' & upholsterers' tools, 583 18th av, Newark, N. J.
Krafft & Sons, architects, Phelan Bldg., San Francisco, Cal.
Kraft, A. B., contractors, bldg. & gen., York, Pa.
Kraft, A. C., measures, mill & facty. supplies, outing goods, pumps, etc., 323 W. Lake, Chicago, Ill.
Kraft, Bates & Spencer, pianos, 156 Boylston, Boston, Mass.
Kraft, Theo., & Sons, jewelry cases, 458 W. B'way, New York.
Krag, Franz K., jigs & fixtures, 542 W. Jackson, Chicago, Ill.
Krager, J., cotton damasks, 1543 Ruan, Philadelphia, Pa.
Krager Turpentine Cup Co., Daisy, Tenn.
Krahl Const. Co., 350 N. Clark, Chicago, Ill.
Krahn Mfg. Co., air pumps, 598 Clinton, Milwaukee, Wis.
Krais, William, architect, 146 Vista pl, Mount Vernon, N. Y.
Krajewski-Pesant Corp., sugar machy. & fndrs., 50 Broad, New York.
Krakauer Bros., pianos, 125 W. 42d, New York.
Krakauer, Zork & Moye's, Successors, Inc., whol. hdwe., mill & facty. supplies, El Paso, Tex.
Kral, Wm., & Co., pearl buttons, Franklin, Long Island City, N. Y.
Kramb Brick & Tile Co., Oak Harbor, Ohio.
Kramer Automatic Tamper Co., Peoria, Ill.
Kramer Bros. Co., masons & bldrs.' matls., Frankfort, Ind.
Kramer Bros Co., sashes, doors & blinds. Elizabeth City, N. C.
Kramer Bros. Fdry. Co., Dayton, Ohio.
Kramer, C. & W., Co., lumber, Richmond, Ind.
Kramer, Geo. W., & Son, architects, 1 Madison av, New York.
Kramer, H., & Co., smelters & refiners, 1230 W. 21st, Chicago, Ill.
Kramer-Hadeler & Co., whol. hdwe., Dayton, Ohio.
Kramer, I. N., carriages, Goodville, Pa.
Kramer, J. B., architect, Elizabeth City, N. C.
Kramer, J. & Sons Mfg. Co., coal & coke wagons & chutes, 675 Water, New York.
Kramer, Ludwig, contractor, Hazleton, Pa.
Kramer Rotary Harrow Co., agricultural implements, Morton, Ill.
Kramer, W. J., Oil Co., 216 Reed, Milwaukee, Wis.
Kramer Wagon Co., Oil City, Pa.
Kramer, X. A., architect, Magnolia, Miss.
Kramig, R. E. & Co., pipe covering, asbestos paper, wall board & marble mosaic, 8th & Eggleston av, Cincinnati, Ohio.
Kramp, A. J., contr., Berlin, Wis.
Kranich & Bach, pianos, 235 E. 23d, New York.
Krantz, John J., contractor, 283 Walden av, Buffalo, N. Y.
Krantz & McCoy, contractors, 365 Soho, Ptg., Pa.
Krantz Mfg. Co., electrical instruments, 160 7th, Brooklyn, N. Y.
Krantz & Sell Co., cut glassware, Honesdale, Pa.
Kranz Carriage & Wagon Mfg. Co., 3032 Gravois rd, St. Louis, Mo.
Krapp, Herbert J., architect, 114 E. 16th, New York.
Krasin, Gustav A., architect, Madison, Wis.
Krasser, F., & Co., archl. iron, 31 George, Rox. Boston, Mass.
Kratt & Agnew, contrs., Lorain, Ohio.
Kratt, George, lumber, Lorain, Ohio.
Kratz, A. S., Co., folding paper boxes, Richmond, Va.
Kratz, C. F., contrs., Portland, Ore.
Kratz, E. V., architect, Champaign, Ill.
Kratzer Carriage Co., Des Moines, Ia.
Kratzer, W. N., Co., structural iron & steel, 3212 Smallman, Pittsburgh, Pa.
Krauch, Walter T., architect, La Grange, Ill.
Krauel H. B., contr., Danville, Ill.
Kraus, J. C., Cast Stone Works, garden furniture, 363 Lexington av, New York.
Kraus Research Laboratories, Inc., 130 Pearl, New York.
Krause, C. A., Milling Co., corn feed & flour, 37th & Burnham, Milwaukee, Wis.
Krause, C. H., Lumber Co., crates, Antigo, Wis.
Krause, Edmund R., architect, 22 W. Monroe, Chicago, Ill.
Krause, Ernest, architect, 906 N. Stanton, El Paso, Tex.
Krause, F. A., flour, Gayhill, Tex.
Krause, F. W., contractor, Wausau, Wis.
Krause, Geo., Hardware Co., Lebanon, Pa.
Krause, J. S., Hardware Co., Bethlehem, Pa.
Krause-Managan Lumber Co., Ltd., Westlake, La.
Krause, R. F., grass catchers, Zion City, Ill.
Krause & Stone, lumber, Marshfield, Wis.
Krause, Wm., masons & bldrs.' matls., 1621 N. 5th, Phila., Pa.
Kraushaar Brass Mfg. Co., St. Louis, Mo.
Kraushar, Geo., Liverpool, N. Y.
Krauss & Co., willow, wire & trout baskets, 11 W. Houston, New York.
Krauss, O., & Sons, harness, Topeka, Kans.
Krauss & Roberts, plumbers' supplies—jobbers, 1314 E. Baltimore, Baltimore, Md.
Kraut & Bohnal, mill & factory supplies, 325 S. Clark, Chicago, Ill.
Krauter, Sigmund, olive oils, 74 Wall, New York.
Krauth & Benninghofen, machsts., Hamilton, Ohio.

Krautheim, Ed., landscape architect, 5335 Westminster av, Philadelphia, Pa.
Kravik, G. H., machst. & fndr., Everett, Wash.
Krawiec, I., architect, Baldwin, N. Y.
Kreamer, A., Inc., coal hods, tin, copper, japanned ware & urns, 307 Kent av, Brooklyn, N. Y.
Krebbs, Allen, Jr., contr., Atlanta, Ga.
Krebs Commercial Car Co., Clyde, Ohio.
Krebs, Emil, & Son, machinists, Elwood, Ind.
Krebs Mfg. Co., jigs & fixtures, special tools, dies, stamping, 341-9 E. Ohio, Chicago, Ill.
Krebs Pigment & Chemical Co., lithopone, Newport, Del.
Kregel Casket Co., 18th & Cass av, St. Louis, Mo.
Kregel Windmill Co., Nebraska City, Neb.
Kreidler Auto Top Co., Trenton, N. J.
Kreig, M. A., & Co., sashes, doors & blinds, Nelsonville, Ohio.
Krein Chain Co., Wapakoneta, Ohio.
Kreis, H., & Sons, contractors, Knoxville, Tenn.
Kreis & Hubbard, umbrella mfrs., 320 S. Franklin, Chicago, Ill.
Kreischer Brick Mfg. Co., Kreischerville, S. I., N. Y.
Kreisle Edwin C., architect, Scarbrough Bldg., Austin, Tex.
Kreiter, Louis, & Co., machsts., 313 S. Clinton, Chicago, Ill.
Kreiter Mfg. Co., pianos, 1043 Winnebago, Milwaukee, Wis.
Kreitler, Chas., twine, Newark, N. J.
Kreitzburg, Ernest J., contractor, Broad & Arch, Phila., Pa.
Kreitzer Buggy Co., Wapakoneta, Ohio.
Krell Auto Grand Piano Co., Connersville, Ind.
Krell Piano Co., 9th & Harriet, Cincinnati, Ohio.
Krelle, F. W., architect, Omaha Nat'l Bk. Bldg., Omaha, Neb.
Krema Mfg. Co., vending machines, 544 W. Washington, Chicago, Ill.
Krembs & Co., brazing compounds, 173 N. Green, Chicago, Ill.
Krementz & Co., gold collar buttons, 49 Chestnut, Newark, N. J.
Kremer-Cummins Mach. Co., 1833 E. 55th, Cleveland, Ohio.
Kremer & Voirol Contr. Co., Century Bldg., St. Louis, Mo.
Krempel, John P., architects, Henne Bldg., Los Angeles, Cal.
Krenz, Oscar, Copper & Brass Works, 612 Bryant, San Francisco, Cal.
Kress Bros. Carriage Co., carriages, Lawrence, Mass.
Kress & Co., bolting cloth, testing sieves, etc., 29-33 Lafayette, New York.
Kress, F. J., Box Co., packing, 2930 Liberty av, Pittsburgh, Pa.
Kress, Frank F., horse collars, Green Bay, Wis.
Kress, O. F., & Son, fire extinguishers, Lawrence, Mass.
Kretchmer Mfg. Co., bee & poultry supplies, Council Bluffs, Ia.
Kretschmer Mfg. Co., plumbing & heating supplies, Dubuque, Ia.
Kretz, Adolph H., contractor, Reading, Pa.
Kretz, Joseph, common brick, Washington, Ind.
Kreusler, H. L., contractor, 3301 Penn av, Ptg., Pa.
Kreuzberger, Bartie, masons & bldrs.' matls., Sacramento, Cal
Krewson, T. C., ladders, 801 Master, Philadelphia, Pa.
Krey Packing Co., meat, 21st & Breman av, St. Louis, Mo
Krick, P. Monroe, contractor, Reading, Pa.
Krick, Tyndall, & Co., brick, Decatur, Ind.
Krickwell Motor Co., 1373 E. 55th, Chicago, Ill.
Krider, C. V., architect, Paris, Tenn.
Kriebel & Co., pipe hangers, 822 Green, Phila., Pa.
Krieger, Ed., contractor, Clinton, Ia.
Krieger, J. P., Saddlery Co., Louisville, Ky.
Krieghoff Co., contrs., 1187 Bellevue, Detroit, Mich.
Kriegshaber, V. H., & Son, masons & bldrs.' matls., Atlanta, Ga.
Kriel, Chas. G., meat packers, 7 W. Henrietta, Baltimore, Md.
Krier Preserving Co., canned goods, Belgium, Wis.
Kries, Henry A., & Sons Co., heating contractors, machy. dlrs., mill supplies, tanks, etc., 8 W. Lombard, Baltimore, Md.
Kries, Michael A., elec. light fix. mfrs., 303 W. Lombard, Baltimore, Md.
Krietenstein, Geo. W., & Son, whol. & retail plate & window glass, Terre Haute, Ind.
Krietenstein, John, contractor, 35 N. Dearborn, Chicago, Ill.
Krippene Hardware Co., Oshkosh, Wis.
Kriring, L. J., architect, 400 Linden av, Elizabeth, N. J.
Krischer's Mfg. Co., stamping, belt buckles, etc., 186 Lewis, New York.
Kritenbrink, J. H., & Son, brick, South Omaha, Neb.
Kritzer Co., lime hydrating machinery, 503 S. Jefferson, Chicago, Ill.
Kroder, John, & Hy. Reubel Co., hdwe. mfrs., Meeker av, Brooklyn, N. Y.
Kroeger Bros., wood stains, 880 McKim, Baltimore, Md.
Kroeger Piano Co., Stamford, Conn.
Kroehler Bros., cornices & skylights, Plattsmouth, Neb.
Kroehles' A., Sons Co., leather harness, Jennings rd, S. W., Cleveland, Ohio.
Kroening Constr. Co., Majestic Bldg., Milwaukee, Wis.
Kroepke, W. H., steam & hot water htg. contr., 383 College av, New York.
Kroeschell Bros. Co., heating contrs. & steam litters supplies, 440 W. Erie, Chicago, Ill.
Kroeschell Bros. Ice Machine Co., 472 W. Erie, Chicago, Ill.
Krogh Pump & Machy. Co., 147 Beale, San Francisco, Cal.
Kroh, C. Irving, canned goods, Silver Run, Md.
Kroh, C. Z. Mfg. Co., auto. tops—dashes, Toledo, Ohio.
Kroll Bros., mchsts. & fndrs., 97 Essex, New York.
Kromholz, L., architect, 1765 Townsend av, New York.
Kronauer, Chas., & Co., harness mfrs., 844 Fulton, Chicago, Ill.
Kronbrodt Kornice Kompany, 1811 Troost av, Kansas City, Mo.
Kroncke, H. G., Hardware Co., Madison, Wis.
Krone, Chas., machinist, Davenport, Ia.
Krone, Kreutz F., Co., patterns & models, 204 1st, San Francisco, Cal.
Kronenberg, F. L., architect, Madison, Wis.
Kroner, Ernest, architect, Worcester Bldg., Portland, Ore.
Kroner, Fred., Hardware Co., La Crosse, Wis.
Kronheimer & Oldenbusch Co., silver nov., 362 5th av, New Y
Kronman, E., cabinets, urns, etc., 248 Lafayette, New York.
Kronmiller, Geo., & Son, umbrella mfrs., 139 N. Gay, Baltim Md.
Kronnick Bros., contrs., 1659 O'Farrell, San Francisco, Cal.
Kronquest, August C., gas heaters, Maywood, Ill.
Kroonen, Leo., architect, Corona, Cal.
Kroot, Jos., scrap iron, Edinburg, Ind.
Kropp, Carl, contractor, St. Cloud, Minn.
Kropp, E. C., & Co., advtg. post cards, Milwaukee, Wis.
Kropp Forge Co., forgings, etc., 2512 W. 21st, Chicago, Il
Kroske, Paul C., architect, David Whitney Bldg., Detroit, M
Krouse, Geo., castings, bronze, brass, etc., 150 Morgan, Je City, N. J.
Krouse, P. J., architect, Meridian, Miss.
Krouse, W. E., & Bro., white metal castings, Bridgeport, C
Krouskop, A. H., masons & bldrs.' matls., Richland Center, W
Krout & Fite Mfg. Co., tex. machy. (tapes, braids & cor Allegheny av & Emerald, Philadelphia, Pa.
Kruckemeyer, Edward H., & Chas. R. Strong, architect, Paul bldg., Cincinnati, Ohio.
Kruecke Bros. Mfg. Co., brass castings, 515 Park, Milwau Wis.
Krueger, A. L., Lumber Co., 130 1st av, N., Minneapolis, M
Krueger, E. F., mchst. & fndr., Glenwood City, Wis.
Krueger & Lachmann Milling Co., wheat flour, Neenah, Wis.
Krueger, Wm., Co., whol. hdwe., mill & facty. supplies, Nee Wis.
Krug, G., & Son, archl. iron, 415 W. Saratoga, Baltimore,
Krug, Geo. Edw., architect, Orlando, Fla.
Krug Paint Mfg. Co., 449 Kent av, Brooklyn, New York.
Krug, Wm., & Son Co., contractors, 6529 S. State, Chicago,
Kruger & Blind Co., boiler feed pumps, 511 Master, Phila.,
Kruger, Philip J., mchst. & fndr., Greenville, Ill.
Kruger, Roy, contr., Gustine, Cal.
Krulewitch, E. M., contractor, 30 E. 42d, New York.
Krumbhaar, W. B., archit., 618 South, New Orleans, La.
Krumm, Martin, archl. iron, Columbus, Ohio.
Krumsiek, Hy., brick, Shackelford, Mo.
Krupp Foundry Co., Lansdale, Pa.
Kruse & Bahlmann Hardware Co., The, 410 Pioneer St., cinnati, O.
Kruse & Banks, ship bldrs., North Bend, Ore.
Kruse & Dewenter, hot air furnaces, 427 E. Washington, In napolis, Ind.
Kruse Hardware Co., 518 Baymiller, Cincinnati, Ohio.
Kruse & Murphy Mfg. Co., sew'g mach., 100 E. 130th, New Y
Kruse Printing Ink Co., duplicator inks, typewriter ribbo carbon paper, 437 Pearl, New York.
Kruse Shingle Co., Marysville, Wash.
Kruse, Wm., & Co., cornices, 523 Wade, Cincinnati, Ohio.
Krusing, Geo. G., contractor, Jefferson, Wis.
K. & S. Specialty Mfg. & Sales Co., drinking fountains, C land, Ohio.
Kubach, C. J., Co., contrs., Merchants National Bank bldg., Angeles, Cal.
Kubias, F., & Co., steamfitters' supplies, Cedar Rapids, Ia.
Kubias, J. C., canned goods, Redlands, Cal.
Kubik Karl, pearl buttons, 88 Warren, Newark, N. J.
Kucharo W. F. & Co., contrs., Des Moines, Ia.
Kuder, Chas. V., & Co., camp stoves, 5315 Wentworth av, cago, Ill.
Kuder, Millard A., masons' & bldrs.' matls., Allentown, Pa.
Kudorff, Irving, architect, 432 4th av, New York.
Kuebler Foundries, Easton, Pa.
Kuebler, J. M., Co., sash, door & blind, Wausau, Wis.
Kuehl Clock Co., 125 N. Wabash av, Chicago, Ill.
Kuehl, L., & Co., mfrs., Saginaw, Mich.
Kuehn, F. C. W., architect, Huron, S. D.
Kuehn, Jordan Co., contrs., South Bend, Ind.
Kuehn & Metz, stor. batteries, 559 W. 54th, New York.
Kuehne, Carl Oscar, architect, 1572 N. Halsted, Chicago, Ill
Kuehne, Chasey & Geisecke, architects, Littlefield Bldg., Au Tex.
Kuehnie, Jno., & Son, machinists, 2110 Colerain, Cincinnati,
Kuenzel Bros., brick & tile, Nevada, Ohio.
Kuenzel Mills Co., blankets, New Bremen, Ohio.
Kuenzli, Hy., & Co., masons' & bldrs.' matls., Milwaukee, W
Kuert Contracting Co., Majestic Bldg., Indianapolis, Ind.
Kugler, Clarence B., Jr., & Co., masons' & bldrs.' matls., I Title Bldg., Philadelphia, Pa.
Kugler, Geo. W., & Sons Co., lumber, 921 New Market, P delphia, Pa.
Kugler, Layton T., machinist, Lambertville, N. J.
Kugler Lbr. Co., Washington, N. C.
Kuh Bros., brooms, corn, Sioux Falls, S. D.
Kuh, E. S., & Valk Co., stearic acid, glue, tallow & wax, Produce Exchange, New York.
Kuhl & Bent Co., advtg. counsellors, 331 W. Washington, cago, Ill.

l, Chas., Artificial Stone Co., 573 Reading rd, Cincinnati, O.
ilke, M. D., machinist, Akron, Ohio.
iman Elec. Co., transformers, Bay City, Mich.
iman Engrg. Co., light switches & panel board cabinets, Toledo, Ohio.
iman, G. C., Car Co., trucks (car, steam & elec.), Adams av & L. S. & M. S. Ry., Cleveland, Ohio.
imann Hardware Co., 1320 Main, Cincinnati, Ohio.
lmann & Meyer, flour mills, California, Mo.
ls, H. B. Fred, paints, 6413 3d av, Brooklyn, N. Y.
marker Mfg. Co., paper cups, 260 West, New York.
n, A., architect, 833 Market, San Francisco, Cal.
n, E. C., umbrella mfr., 8 W. 4th, Cincinnati, Ohio.
n, J. L., & Co., contrs., Harrisburg, Pa.
n Sash & Door Co., 204 N. E. 7th, Minneapolis, Minn.
n & Jacob Mach. & Tool Co., Trenton, N. J.
ne-Libby Co., lubrg. oils & greases, 51 Front, New York.
ne, Paul, architect, 165½ E. 33d, Portland, Ore.
ne, Wm. C. F., contr., Rantoul, O.
ner Packing Co., meat, Muncie, Ind.
nert, L. C., Jr., Co., gas engines, 139 N. Wabash av, Chicago, Ill.

ila, August, cornices, skylights, 10 Lorimer, Brooklyn, N. Y.
is Bros., machsts. & fndrs., Dayton, Ohio.
is Paint & Varnish Wks., Houston, Tex.
ge Brick Wks., Hobart, Ind.
nann, Salz & Co., leather, Benicia, Cal.
l Mill Co., flour, Kulm, N. D.
Bros. Brick Co., Columbus, Ohio.
Chas. P., & Co., plbrs. supplies, 1607 S. State, Chicago, Ill.
Lbr. Co., Shamokin, Pa.
er, Jno. G., lumber, Valley, Wash.
p, E. J., architect, Rowell Bldg., Fresno, Cal.
of, C. R., contractor, Canton, Ohio.
e, J. A., architect, Ripon, Wis.
ert Bros., cornices, Monroe, Wis.
tz, Theo., Co., auto. wood bodies, school furniture, etc., Winslow & Elm, Cleveland, Ohio.
y, M. D., architect, Diamond, W. Va.
el Carriage Works, Galion, Ohio.
e Valve Co., relief valves, Fort Wayne, Ind.
*See adv index at end of book*
t, John, children's vehicles, 70 Murray, New York.
z-Johnson Co., lumber mfrs., Dayton, Ohio.
z, Jos. F., architect, Westinghouse Bldg., Pittsburgh, Pa.
z, Peter, Co., lumber mfrs., Dayton, Ohio.
endorf, C., & Co., trunk mfrs., 160 W. Van Buren, Chicago, Ill.
. Anthony, Jr., architect, 955 W. Court, Cincinati, Ohio.
Bros. & Messinger, machsts., Phoenix, Ariz.
Oil Co., 12 Wilder, Minneapolis, Minn.
e, A. E., contractor, McKeesport, Pa.
, Albert C., architect, 31 Winifred, Brooklyn, N. Y.
& Waillant, architects, 394 Graham av., Brooklyn, N. Y.
r, Emil F., cut glassware, 239 Greenpoint av, Brooklyn, N. Y.
r, Otto A., architect, 1865 Millard av, Chicago, Ill.
r, Theo., machsts. & fndrs., Madison, Wis.
rle Bros. Mfg. Co., brass fndrs., 600 N. 2d, St. Louis, Mo.
rle, Jno. C., Fndry. Co., 1st & Wright, St. Louis, Mo.
& Follimel, pearl buttons, West New York, N. J.
r, Theo., archl. iron, Madison, Wis.
e, Thos. J., meat packers, 3811 Eastern av, Baltimore, Md.
es, C. F., flour, Rockford, N. C.
es, J. F., Paint Co., Louisville, Ky.
s, Selby H., archit., Scarritt bldg., Kansas City, Mo.
, W. F., architect, Fargo, N. D.
Packing Co., meat packers, 23 Taylor, Baltimore, Md.
J. E., architect, Higgins Bldg., Los Angeles, Cal.
. Otis E., architect, 220 8th av, Brooklyn, N. Y.
A. E., canned goods, Forest Hill, Md.
Action Co., see Thayer Action Co. (successor).
Bag Co., 414 B'way, New York.
Brass Bed Co. (Ltd.), Corry, Pa.
Bros., interior woodwork & finish, Bethlehem, Pa.
L. H., Co., whol. hdwe. & plumbers' supplies, Des Moines, wa.
Langbein & Swartz, arch. engrs.' instrs. & supplies, 535 ood, Pittsburgh, Pa.
N. M., Rattan Co., 155 Valencia, San Francisco, Cal.
W. W., canned goods, Moclips, Wash.
r, William, architect, 1385 Crotona av, New York
aan, C., & Co., pianos, 526 Niagara, Buffalo, N. Y.
er Radiator Co., 7512 Carnegie av, Cleveland, Ohio.
owney Co. of Ark., lbr., Helena, Ark.
Robt., architect, 324 Fulton, Brooklyn, N. Y.
Root, switches, Appleton, Wis.
D., & F. Co., cornices & skylights, & whol. hdwe., Waterwn, Wis.
Telephone & Elect. Supply Co., 2212 Olive, St. Louis, Mo.
r, Casper, architect, 804 Commercial av, Cairo, Ill.
Gustave, printers' blankets, 3 Park Row, New York.
ow, Jacob, archl. & ornamental iron, 74 3rd av, New rk.
ua Brick Co., Kushequa, Pa.
ua Keramic Co., promenade roofing tile, Kushequa, Pa.
, H. P., canned goods, Mayer, Minn.

Kuster, J. A., floor scrapers, Plymouth, Wis.
Kutner-Goldstein Co., cornices & skylights, Fresno, Cal.
Kutsche, A. W., & Co., 623 Ford bldg., Detroit, Mich.
Kutsche, C. H., whol. hdwe., Grand Rapids, Mich.
Kuttawa Milling Co., flour, Kuttawa, Ky.
Kuttroff, Pickhardt & Co., Inc., chemicals, colors, paper makers' colors & dyestuffs, 128 Duane, New York.
Kutz & Gift, machsts. & fndrs., Allentown, Pa.
Kutztown Foundry & Machine Co., fndrs. & machsts., 1421 Chestnut, Philadelphia, Pa. *See adv index at end of book.*
Kutztown Lime & Crushed Stone Co., Kutztown, Pa.
Kvenild, B., archit., Brandeis Theatre, Omaha, Neb.
K-W Ignition Co., Chester av & E. 30th, Cleveland, Ohio.
K. & W. Rubber Co., tube reliners, Ashland, Ohio.
Kyle Advtg. Co., spec., Louisville, Ky.
Kyle, Geo., masons' & bldrs.' matls., 73d c Grays av, Phila., Pa.
Kyle Lumber Co., Ltd., Franklin, La.
Kyle Oil & Gin Co., meal, Kyle, Tex.
Kyle & Purdy, motor boat, launch & yacht bldrs., City Island, N. Y.
Kyle, R. W., Co., steam heating contrs., Wheeling, W. Va.
Kyle, W., & Sons Co., canned goods, Florence, Ore.
Kynoch, Chas., & Co., mill & facty. supplies, St. Ignace, Mich.
Kyoto Mfg. & Trading Co., harness rings, lanterns, dice, etc., 31 E. 17th, New York.
Kysor, Chas. H., architect, Union Tr. bld., Los Angeles, Cal.

L. A. Paving Co., Inc., 2900 Sta. Fe, Los Angeles, Cal.
L. G. Council Fertilizer Wks., Americus, Ga.
La Belle Box Co., pckg., Muskegon, Mich.
La Belle Iron Works, Steubenville, Ohio.
Laberge, Alphonse, contrs., Manchester, N. H.
La Boiteaux, C. L., Co., paper boards, etc., First Nat'l Bank Bldg., Cincinnati, Ohio.
Labouisse, S. S., architect, Hennen Bldg., New Orleans, La.
Labovich, B., cornices & skylights, 1250 Tremont, Boston, Mass.
Lacchi, Primo, architect, 448 N. Potomac av, Baltimore, Md.
Lacene Mfg. Co., machs. & fndrs., Manchester, N. H.
Lacerenza, W. A., architect, 172 Pennsylvania av, Brooklyn, N. Y.
Lacey, Adin Benedict, architect, 1012 Walnut, Philadelphia, Pa.
Lacey, Carlos, architects, Main, Niagara av, Niagara Falls, N.Y.
Lacey, Geo. E., machinist, Salinas, Cal.
Lacey, Sanford O., architect, Phelps Bk. Bldg., Binghamton, N. Y.
Lacey, T. I., & Son, architects, Kilmer Bldg., Binghamton, N. Y.
Lacey & Lacey, patent attorneys,, 639 F. N. W., Washington, D. C.
Lachman & Murphy, architects, Witherspoon Bldg., Phila., Pa.
Lachmund Lumber & Coal Co., Sauk City, Wis.
Lachowsky, A. L., mach. & fndr., Morrillton, Ark.
Lack, F. T., & Son, architects, Ward Bldg., Shreveport, La.
Lack Mfg. Co., machsts., Paducah, Ky.
Lack Singletree Co., Paducah, Ky.
Lackawanna Bridge Co., Buffalo, N. Y.
Lackawanna Chemical Co., wood alcohol, Straight, Pa.
Lackawanna Coal Coke Co., bituminous, Lackawanna, N. Y.
Lackawanna Leather Co., Hackettstown, N. J.
Lackawanna Lbr. Co., Scranton, Pa.
Lackawanna Mfg. Co., machsts., Ballston Spa, N. Y.
Lackawanna Steel Co., toluol, Buffalo, N. Y.
Lacke Elect. Mfg. Co., heat regulators, 8229 Blackstone, Chicago, Ill.
Lackey, H. A., contractors, Carlisle, Pa.
La Clair & McNulty, granite, Barre, Vt.
La Claire & Eggleston, carriages, Big Rapids, Mich.
Lackland, L. C., & Sons, canned goods, Lithia, Va.
Laclede Brass Wks., 307 Cedar, St. Louis, Mo.
Laclede-Christy Clay Products Co., Railway Ex. Bldg., St. Louis Mo.
Laclede Gas Light Co., toluol, St. Louis, Mo.
Laclede Iron Wks., 1547 N. 9th, St. Louis, Mo.
La Clede Mfg. Co., paint mfrs.' color cards, Buffalo, N. Y.
Laclede Steel Co., Federal Reserve Bk. Bldg., St. Louis, Mo.
Laco-Phillips Co., tungsten lamps, 131 Hudson, New York.
Lacombe Lbr. Co., Lacombe, La.
Laconia Car Co., 60 Congress, Boston, Mass.
Laconia Needle Co., Laconia, N. H.
Lacoste Hdwe. Co., Ltd., Lafayette, La.
Lacour, Crammer & Co., masons' & bldrs.' matls., Long Branch, N. J.
Lacquer-All Co., 1262 Military, Detroit, Mich.
La Crescent Canning Co., La Crescent, Minn.
La Croix Duhaime Co., contrs. and bldrs., Waterbury, Conn.
Lacroix, W. & E. W., shoe counters, Lynn, Mass.
La Crosse Boiler Co., La Crosse, Wis.
La Crosse Bridge & Steel Co., La Crosse, Wis.
La Crosse Hammock Works, La Crosse, Wis.
La Crosse Knitting Co., knitted gloves, La Crosse, Wis.
La Crosse Lumber Co., Louisiana, Mo.
La Crosse Monument Co., La Crosse, Wis.
La Crosse Motor Truck Co., La Crosse, Wis.
La Crosse Plumbing Supply Co., La Crosse, Wis.
La Crosse Rubber Mills Co., La Crosse, Wis.
La Crosse Scrap Iron & Metal Co., Marietta, Ohio.
La Crosse Steel Roofing & Corrugating Co., La Crosse, Wis.
La Crosse Stone Co., contractors, La Crosse, Wis.
La Crosse Tractor Co., La Crosse, Wis.

La Crosse Well Drill Works, well drilling machy., La Crosse, Wis.
La Crosse Woolen Mills, wool batting, La Crosse, Wis.
Lacy, Jas. J., Co., propeller wheels, Block & Wills, Baltimore, Md.
Lacy Mfg. Co., steel plate work, 300 S. Spring, Los Angeles, Cal.
Ladd, C. M., lbr., Worcester, Vt.
Ladd, Geo. T., Co., watertube boilers, Farmers Bank bldg., Pittsburgh, Pa.
Ladd, Geo. W., Co., elastic hosiery, 34 Columbus, Boston, Mass.
Ladd, Jno. W., Co., machsts. & fndrs., 572 W. Lafayette, Detroit, Mich.
Ladd, W. C., telephone bells, lantern holders, etc., Bristol, Conn.
Lade, Rudolph, heating contrs., 1730 Galena, Milwaukee, Wis.
Ladel Mfg. Co., rolling mill warehouse, trucks, etc., New Philadelphia, Ohio.
Laderer, W. C., Carriage Co., Zelienple, Pa.
Ladew, Edw. R., Co., belting mfrs., mill & facty. supplies, etc., 54 Franklin, New York, & at Boston, Chicago & Philadelphia.
Ladew, Jones Co., lthr. belting butts, 105 South, Boston, Mass.
Ladewig Stock Co., casseroles, crucibles, cups & milk pasteurizer & machsts., Waukesha, Wis.
Ladish Drop Forge Co., Cudahy, Wis.
Ladner, C. F., Hardware Co., cornices & skylights, St. Cloud, Minn.
Ladoga Canning Co., Ladoga, Ind.
Ladysmith Brick & Tile Co., Ladysmith, Wis.
Laechle, W. C., & Co., granite producers, 30 N. La Salle, Chicago, Ill.
La Farge, C. Grant, architect, 101 Park av, New York.
Lafarge Lumber Co., Lafarge, Wis.
Lafave, J. R., Lbr. Co., Croghan, N. Y.
La Favorite Rubber Co., packing mfrs., Hawthorne, N J.
Lafaye, Geo. E., architect, Columbia, S. C.
Lafayette Box Board & Paper Co., Lafayette, Ind.
Lafayette Brush & Mfg. Co., Lafayette, Pa.
Lafayette College, engng. school & coll., Easton, Pa.
La Fayette Corn Flour Mills, grits, Lafayette, Ind.
Lafayette, Cornwell, architect, Connersville, Ind.
Lafayette Cotton Mills, Lafayette, Ga.
Lafayette Cotton Oil Mills, Lafayette, Ala.
Lafayette Elec. & Mfg. Co., lightning arresters, telephones, etc., Lafayette, Ind.
Lafayette Engineering Co., Lafayette, Ind.
Lafeyette Fence Works, ornamental bronze & iron gates, Lafayette, Ind.
Lafayette Fertilizer Co., Lafayette, Ga.
Lafayette Lbr. Co., interior hardwood work, Lafayette, Ind.
Lafayette Mill & Lbr. Co., Lafayette av & P. B. & W. R. R., Baltimore, Md.
Lafayette Mills Co., turkish towels, Howard & Lehigh av, Philadelphia, Pa.
Lafayette Mirror Co., furniture tops, 173 Grand, New York.
Lafayette Roller Mills, flour, Lafayette, Ga.
Lafayette Stamping & Enameling Co., West Lafayette, Ohio.
Lafayette Sugar Refining Co. (Ltd.), New Orleans, La.
Lafayette Window Glass Co., Clarksburg, W. Va.
Laferty, J. E., architect, 11 E. Pleasant, Baltimore, Md.
Laffargue Co., pianos, E. 134th & Cypress av, New York.
Lafferty, Sam'l J, & Sons, cornices, Springfield, Ohio.
Laflamme, Frank X., contractor, Manchester, N. H.
Lafian Paper Co., roof sheathing & bldg. paper, York, Pa.
La Follette Coal & Iron Co., blast furnaces & iron ores, La Follette, Tenn.
Lafond, T., & Son, sewer pipes, Kankakee, Ill.
Lafontaine Handle Co., Decatur, Ind.
La Fountain-Woolson Co., mill & factory supplies, Springfield, Vt.
La France, L. A., contractor, Holyoke, Mass.
La France, Ward, Truck Co., Inc., auto bldrs., Elmira, N. Y.
Laganke, Chas. F., machsts., 116 St. Claire av, N. E.,, Cleveland, Ohio.
Lagarde, J. J., architect, 730 Union, New Orleans, La.
Lagarde Lime & Stone Co, Anniston, Ala.
Lagasse, Paul, contractor, 826 9th, New Orleans, La.
Lage, B. H., artistic tile & floor mosaics, 484 Greenwich, New York.
Lagervuist, Gust., elevators, 516 N. 3rd, Minneapolis, Minn.
Lageschulte & Hager, masons' & bldrs.' matls., Barrington, Ill.
Lagonda Mfg. Co., boiler tube cleansers, etc., Springfield, Ohio.
Lagoon Co., turpentine, Apalachicola, Fla.
La Grande Milling Co., flour, La Grande, Ore.
La Grange, A., contractor, Schenectady, N. Y.
La Grange Fdry. Co., Quincy, Ill.
La Grange Mach. Repair Co., La Grange, Ind.
La Grange Mills, flour, Red Wing, Minn.
La Grange Pearl Button Co., La Grange, Mo.
Lagrange Specialty Co., brick, Lagrange, Ind.
Laban Stove & Mfg. Co., Quincy, Ill.
La Haye Mfg. Co., burial cases, auto radiators, metal spinning & sheet metal work, 298 11th, San Francisco, Cal.
Lahr, W. B., & Co., architects, 112 Lennox bldg., Cleveland, Ohio
Lahue, M. M., & Co., machsts., Lowell, Mass.
Laib, Arthur J., architect, Russ Bldg., San Francisco, Cal.
Laib Co., plumbers, mill & factory supplies, & jobbers, Louisville, Ky.

Laidlaw, Adam, & Co., contractors, Bessemer Bldg., Pittsburgh Pa.
Laidlaw-Dunn Gordon Co., see Worthington Pump & Machy Works (successor).
Laidlaw, R., Lbr. Co., Buffalo, N. Y.
Laimbeer, John, Jr., contractor, 103 Park av, New York.
Lain, Ira D., contr., Bloomington, Ill.
Laing, Harrar & Chamberlin, heel plates, 42 N. 3d, Phila., Pa
Laing Mach. Auto. Repair Co., Plainfield, N. J.
Lainhart & Potter, masons' & bldrs.' matls. & lumber, West Palm Beach, Fla.
Lair, John M., contractor, Gloversville, N. Y.
Laird & Sons, marine ry. bldrs., Ashtabula, Ohio.
Laird, Warren P., archit., Univ. of Pa., Philadelphia, Pa.
Laird & Wilson Mfg. Co., excelsior, Crandon, Wis.
Lake Breeze Motor Co., fans, oil or alcohol driven, 560 Wes Monroe, Chicago, Ill.
Lake Champlain Pulp & Paper Co., Plattsburg, N. Y.
Lake Charles Carriage & Implement Co., Lake Charles, La.
Lake Charles Planing Mill Co., Lake Charles, La.
Lake Charles Rice Milling Co., Lake Charles, La.
Lake Chelan Box Factory, Chelan, Wash.
Lake City Stone Co., Dunkirk, N. Y.
Lake County Canning Co., Ukiah, Cal.
Lake Creek Shingle Co., Morten, Wash.
Lake Erie Boiler Wks., Buffalo, N. Y.
Lake Erie Builders' Supply Co., Schofield bldg., Cleveland, Ohi
Lake Erie Dredging Co., Morgan Bldg., Buffalo, N. Y.
Lake Erie Dry Dock & Mill Co., Sandusky, Ohio.
Lake Erie Forge & Machine Co., Cleveland, Ohio
Lake Erie Fndry. Co., Buffalo, N. Y., & Girard, Pa.
Lake Erie Iron Co., (see Lake Erie Bolt & Nut Co., successor
Lake Erie Limestone Co., Youngstown, Ohio.
Lake Erie Lumber & Supply Co., 5459 Hamilton av, Cleve., (
Lake Erie Mfg. Co., pumps, valves, etc., Buffalo, N. Y.
Lake Erie Ore Co., 1025 Rockefeller Bldg., Cleveland, Ohio.
Lake Erie Provision Co., meat packers, Clark av & C. C. C. St. L. Ry., Cleveland, Ohio.
Lake Erie Rubber Co., packing mfrs., Erie, Pa.
Lake Erie Sand Co., Sandusky, Ohio.
Lake Erie Smelting & Refining Co., 7900 Bessemer av, Cleve., (
Lake, Frank G., lumber, Atlanta, Ga.
Lake, Frederick, architect, 222 Market, Newark, N. J.
Lake & Harris, masons' & bldrs.' matls., Harvard, Ill.
Lake Independence Lbr. Co., 623 So. Wabash av, Chicago, Ill.
Lake, Lily, Canning Co., Mountain Grove, Mo.
Lake Mfg. Co., knife sharpeners, 58 R. I. av, Washington, D. (
Lake Mills Canning Co., Lake Mills, Ia.
Lake Odessa Milk Co., canned, Lake Odessa, Mich.
Lake Placid Lumber & Supply Co., masons' & bldrs.' matls Lake Placid, N. Y.
Lake Riley Mill Co., lumber, Hazel, Wash.
Lake & Risley Co., masons' & bldrs.' matls., Pleasantville, N.
Lake, Robert, Co., masons' & bldrs.' matls., Jackson, Mich.
Lake Sammamish Shingle Co., Inglewood, Wash.
Lake Shingle Co., Bellingham, Wash.
Lake Shipbuilding Co., Buffalo, N. Y.
Lake Shore Canning Co., Sheboygan, Wis.
Lake Shore Construction & Supply Co., Dunkirk, N. Y.
Lake Shore Elec. Ry. Co., machsts. & fndrs., Fremont, Ohio.
Lake Shore Engine Works, Marquette, Mich.
Lake Shore Lbr. Co., Washburn, Wis.
Lake Shore Sand & Gravel Co., Cuyahoga & W. 3d, Cleveland,
Lake Shore Shale Brick Co., see Burton-Townsend Co. (su cessor).
Lake Shore Stone Co., 1406 1st Nat. Bk. Bldg., Milwaukee, Wi
Lake Superior Brass Fdry., Laurium, Mich.
Lake Superior Iron & Chemical Co., see Cleveland Cliff Iron C (successor).
Lake Superior Knitting Wks., sweaters, cardigans, etc., Appl ton, Wis.
Lake Superior Lumber Co., Ellsworth & McPherson, Kans.
Lake Superior Piling Co., ties, poles & posts, 961 22d, Chicag Ill.
Lake Superior Stone Brick Co., Calumet, Mich.
Lake Torpedo Boat Co., machsts., Bridgeport, Conn.
Lake Union Brick Co., common, Seattle, Wash.
Lake Union Shingle Co., Seattle, Wash.
Lake View Brick Co., 2756 Irving pk, Chicago, Ill.
Lakeside Bridge & Steel Co., engnrs., cranes, derricks, hois machy., etc., steel structural work, N. Milwaukee, Wis.
*See adv. index at end of book.*
Lakeside Craft Ships, see United Phonographs Corp., (succ sor).
Lakeside Dist. Co., 140 W. Water, Milwaukee, Wis.
Lakeside Dredging Co., contrs., Penobscot Bldg., Detroit, Mi
Lakeside Forge Co., Erie, Pa. *See adv. index at end of book.*
Lakeside Fdry., Muskegon, Mich.
Lakeside Foundry Co., engine pistons, Lycaste av & Det. T minal Ry., Detroit, Mich.
Lakeside Malleable Castings Co., Racine, Wis.
Lakeside Metal & Wool Stock Co. (The), Lakeside av & E. 38 Cleveland, O. *See aav. index at end of book.*
Lakeside Paper Co., Menasha, Wis.
Lakeview Milling Co., flour, Lakeview, Mich.
Lakewood Chemical Co., carbon removers, Hird, Cleveland, (

kewood Engineering Co., construction & industrial equipment, Cleveland, Ohio. *See adv index at end of book.*
kewood Lumber Co., sash, door & blind, 10217 Beria rd, Cleveland, Ohio.
key, A. L., Co., paint mfrs., Kalamazoo, Mich.
key, C. T., roll coverers, Georgiaville, R. I.
key Foundry & Mche Co., Muskegon, Mich.
kin, Bruce, machsts., Sidney, N. Y.
ks & Zucker, trunk mfrs., 386 W. B'way, New York.
lance & Grosjean Mfg. Co., machsts. & fndrs.—seamless stamped metal & enamel wares, 299 B'way, New York.
a Liberte Bros., contractors, Holyoke, Mass.
llie Surveying Instrument & Supply Co., Denver, Colo.
lor, W. M., water stills, 208 S. La Salle, Chicago, Ill.
lly Commercial Body Co., auto hoists, Everett, Mass.
lley Electro Lighting Co., 759 Bellevue, Detroit, Mich.
lly, Jas. H., masons' & bldrs.' matls., Olyphant, Pa.
lly, M., & Co., coffee roasters, 29 W. 3d, Cincinnati, Ohio.
m Building Co., 1001 Wood, Philadelphia, Pa.
mar Ginning & Cottonseed Exchange, fertilizer mfrs., Lamar, S. C.
Marche & Brault, contractors, Plattsburg, N. Y.
mb Bros. & Greene, electric portables, Nappanee, Ind.
mb, F. W., Co., htg. contrs., 24 E. Kinzie, Chicago, Ill.
mb-Fish Lumber Co., Charleston, Miss.
mb, Frank H., Timber Co., lbr., Hoquian, Wash.
mb, Geo. L., piano benches, Nappanee, Ind.
mb, J. K., machy. dlrs., 246 Chestnut, Philadelphia, Pa.
mb, J. & R., furn., stained glass, etc.—decorative architects, 25 6th av, New York.
mb, John J., contractor, Summit, N. J.
mb Knit Goods Co., gloves & mittens, Colon, Mich.
mb Knitting Machine Co., planer stops, knitting machy., etc., Chicopee Falls, Mass.
mb Machine Co., dlrs., Hoquiam, Wash.
mb, Maskell T., glass stainers, 233 Berrgen, Brooklyn, N. Y.
mb & Richie Co., speaking tubes, stainers, pipe, etc., Cambridge, Mass.
nb, Thos. W., architect, 1323 Euclid av, Cleveland, Ohio.
nberg, A., & Co., machy. dlrs., 243 Centre, New York.
mberson, C. A., & Co., flour mills, Colon, Mich.
mbert Bros. & Wirt, contractors, Delaware, Ohio.
nbert Chemical Co., anthracene & napthanene flakes, 400 N. 3rd, St. Louis, Mo.
mbert Gas Engine Co., Anderson, Ind.
nbert Gas & Gasoline Engine Co., Anderson, Ind.
mbert-Grisham Hardware Co., Henderson, Ky.
nbert, H., Co., masons' & bldrs.' matls., Beaverville, Ill.
nbert, H. T., Co., contrs.' tools, machy. dlrs., & railroad equipt., Huntington, W. Va.
nbert Hoisting Engine Co., machsts., 117 Poinier, Newark, N. J.
nbert Lumber Co., Leavenworth, Kans.
nbert Machine Co., Marshall, Mich.
nbert Multiplus Co., belting mfrs., 110 Union av, Portland, Ore.
nbert, P. W., Co., advert. nov. & specialties, 64 Lispenard, New York.
nbert, R. R., Co., common brick, Taggart & Crispen, Ptg., Pa.
nbert & Todd Mach. Co., Camden, N. J.
nbert, Wm. A., architect, Woolworth Bldg., New York.
nberton, W. W., carriages, Brainerdsville, N. Y.
nbertville Iron & Steel Co., Lambertville, N. J.
nbertville Pottery Co., Lambertville, N. J.
nbertville Rubber Co., shoes, balls, etc., Lambertville, N. J.
nbertville Stone Quarry Co., 1218 Filbert, Philadelphia, Pa.
nberty & Co., cornices, 4917 S. Ashland av, Chicago, Ill.
nbeth Rope Corp. Co., New Bedford, Mass.
nble, C. S., & Co., contractors, Tramway Bldg., Denver, Colo.
nble, Jas B., Co., machsts., 1415 N. Y. av, N. W., Wash., D. C.
nbou & Noel Lbr. & Mfg. Co., New Orleans, La.
nb's, Daniel, Son, whol. hdwe., Saugerties, N. Y.
ndin, Wm. D., archit., 11 E. Pleasant, Baltimore, Md.
ney & Co., masons' & bldrs.' matls., Barrington, Ill.
inated Shim Co., 533 Canal, New York.
m. Edw. C., sash, door & blind mfrs., Danville, Ill.
merding, John, contractor, Elizabeth, N. J.
mers Bros., lbr., Cottage Grove, Ore.
mert & Mann, machsts., 221 N. Wood, Chicago, Ill.
Moine Lbr. & Trading Co., La Moine, Cal.
mond & Robertson Co., cocoa mats, Paterson, N. J.
Mont, A. G., architect, Clarksburg, W. Va.
Mont Chemical Co., Kane, Pa.
mont, Alex, marine engines, 1470 Jefferson, Detroit, Mich.
mont, Matthew, Sons Co., lbr. mfrs., Bay City, Mich.
Monte, Geo., & Son, paper, 61 B'way, New York.
moreaux Bros. Co., contrs., Omaha, Neb.
moureux, F. & Co., cornices, 39 Friendship, Providence, R. I.
mos, Chas. A., Co., sash, door & blind mfrs., Peekskill, N. Y.
mp, John J., architect, Orange, N. J.
mp & Miller Mfg. Co., machsts. & fndrs., 382 4th, Milwaukee, Wis.
mparter, Geo., Sons, glue mfrs., Lancaster, Pa.
mpe, W. C., architects, 155 N. Clark, Chicago, Ill.
mpel, F. L., chamois importers, 315 Locust, St. Louis, Mo.
mper, J. B., & W. A., masons' & bldrs.' materials, Lynn, Mass.
mphear, Henry L., contractor, Rahway, N. J.

Lampitt, Ed. F., contrs.,' masons' & blder.' matls, Pekin, Ill.
Lampman, J. T., & Co., buckwheat flour, Claverack, N. Y.
Lamprey Co., arch. boiler plates, 283 Elm, Westfield, Mass
Lampson Lbr. Co., New Haven, Conn.
Lamson Co., telegraph instruments, 15 W. 44th, New York.
Lamson Co., carriers, conveyors, light elevators, etc., 100 Boylston, Boston, Mass.
Lamson Cutter Head Co., machsts., 30 N. Jefferson, Chicago, Ill.
Lamson, E. F., machsts. & fndrs., Abington, Mass.
Lamson & Goodnow Mfg. Co., knives, Shelburne Falls, Mass.
Lamson-Gray Construction Co., Fergus Falls, Minn.
Lamson, J. H., & Sons, masons' & bldrs.' matls., Randolph, Vt.
Lamson, John S., & Bro., waterproofing mats., etc., 347 Madison av, New York.
Lamson & Sessions Co., bolt & nut mfrs., 2188 Scranton rd, S. W., Cleveland, Ohio.
Lana Construction Co., Council Bluffs, Ia.
Lanark Canning Co., Lanark, Ill.
Lancaster, A., & Co., blankets, woolen, Chester, N. J.
Lancaster Bone fertilizer Co., Lancaster, Pa.
Lancaster Brick & Tile Co., Builders Exch., Buffalo., N. Y.
Lancaster, C. G., architect, Marshall, Tex.
Lancaster Cement Paving Co., Lancaster, Pa.
Lancaster Chemical Co., fertilizer mfrs., Lancaster, Pa.
Lancaster Clamp Window Shade Pull Co., hardware mfrs., Lancaster, Pa.
Lancaster Cotton Mills, sheetings, Lancaster, S. C.
Lancaster Cut Stone Co., Lancaster, Pa.
Lancaster Flour Mills, Lancaster, Pa.
Lancaster Foundry Co., castings, Lancaster, Pa.
Lancaster Glass Co. Lancaster, Ohio.
Lancaster, Harry, contractor, Utica, N. Y.
Lancaster, Harry, & Co., flooring, hard wood, Lebanon, Ky.
Lancaster Iron Wks., brake shoes & tank mfrs., Lancaster, Pa.
Lancaster-Johnson Lbr. Co., Wetumpka, Ala.
Lancaster Leather Co., Lancaster, Ohio.
Lancaster Lens Co., Lancaster, Ohio..
Lancaster Lime & Supply Co., masons' & bldrs.' matls., Lancaster, Pa.
Lancaster Lumber & Mfg. Co., Lancaster, Ky.
Lancaster Mach. & Knife Wks., Lancaster, N. Y.
Lancaster Machine & Structural Works, steel, Lancaster, Pa.
Lancaster Paint & Glass Co., Lancaster, Pa.
Lancaster Roller Mills, flour, Kilmarnock, Va.
Lancaster Steel Products Co., steel & rods, Lancaster, Pa.
Lance, Arch., contractor, Washington, N. J.
Lance, Geo. A., machsts. & bldrs., Watertown, N. Y.
Lance, L. D., architect, Hill Crest, Reading, Pa., & Wyomissing, Pa.
Lanctot, Clyde H., contractors, 700 Ellicott sq., Buffalo, N. Y.
Land, Chas. D., contractor, 28th & Cambria, Philadelphia, Pa.
Land Construction Co., St. Joseph, Mo.
Land Milling Co., flour, Neodesha, Kans.
Land, Mose H., flour mills, Marshall, Mo.
Landa, A., & Sons Co., advtg. nov. & spec., 1706 Foster av, Chicago, Ill.
Landan Bros., contractors, 311 2d av. Pittsburgh, Pa.
Landau Cabinet Co., cedar chests & kitchen cabinets, 1545 Tower Grove, St. Louis, Mo.
Landau, Henry W., fire extinguisher, 104 N. J. Railroad av, Newark, N. J.
Lande, S., & Co., corn brooms, 160 W. Kinzie, Chicago, Ill.
Landeck Lbr. Co., 1st Nat. Bk. Bldg., Milwaukee, Wis.; Tampa, Fla.
Landenbach, H. L., architect, Sidney, Ohio.
Lander & Ayer, lbr. mfrs., Bingham, Mo.
Lander, Isaac, & Son, marble prod., Binghamton, N. Y.
Landerburn, D. E., landscape architects, 156 5th av., New York
Landers & Barker Co., lbr., Mountain Grove, Mo.
Landers Bros. Co., artificial leather oil cloth, Toledo, Ohio.
Landers, Frary & Clark, fruit presses, hdwe. mfrs., machsts. & fndrs, etc., New Britain, Conn.
Landers Lumber & Cement Co., Springfield, Mo.
Landers, Morrison & Christenson Co., masons' & bldrs.' matls., Builders Exchange, Minneapolis, Minn.
Landers, W. E., Co., fndrs., Syracuse, N. Y.
Landes & Co., mill & facty. supplies, Salt Lake, Utah.
Landgraff, Frank, brick, Albion, Ind.
Landis Brick Co., New Cumberland, Pa.
Landis, E. M., machinist, Toledo, Ohio.
Landis Engng. & Mfg. Co., clocks, all kinds, Waynesboro, Pa.
Landis, Jerome S., architect, Souderton, Pa.
Landis Machine Co., bolt & nut threading mach., Waynesboro, Pa., and 258 Mullanphy, St. Louis, Mo.
Landis Milling Co., flour, Landis, N. C.
Landis, S. H., & Bro., handles, carriage hubs, etc., Quakerstown, Pa.
Landis Tool Co., grinders, Waynesboro, Pa.
Landis, Wm. G., masons' & bldrs.' matls., Norristown, Pa.
Landon, E. R., iron works, 166 N. May, Chicago, Ill.
Landon, Walter C., & Co., masons' & bldrs.' matls. & wholesale hdwe., Rutland, Vt.
Landor, Edward J., contractor, Canton, Ohio.
Landreth Machinery Co., dealers, Joplin, Mo.
Landreth, W. H., machsts. & fndrs., Ritzville, Wash.
Landsberger, Hugo, Co., ivory imp., 260 W. B'way, New York.
Landshaft, Wm., & Sons, automobile bldrs., 2336 Milwaukee av, Chicago, Ill.

Landsman, S., architect, 1380 Prospect av., New York
Landvoigt, Albert E., architect, 1403 N. Y. av, Washington, D. C.
Landy Stove & Range Co., 1402 N. 16th, St. Louis, Mo.
Lane, A. W., contractor, 19 La Salle, Chicago, Ill.
Lane, Alb. A., Jacquard cards, 73 Warren, New York.
Lane, B. R., machsts., St. Louis, Mich.
Lane & Bodley Co., gas compressors, engines, etc., Tennessee av & Paddock rd, Cincinnati, Ohio.
Lane Bros., contractors, Melrose, Mass.
Lane Bros., stone, 302 W. 9th, Los Angeles, Cal.
Lane Bros. Co., machsts. & fndrs., Poughkeepsie, N. Y.
Lane, C. L., pails & buckets, wood, East Swanzey, N. H.
Lane, C. M., Life Boat Co., 250 Huron, Brooklyn, N. Y.
Lane, C. W., & Co., contractors, Atlanta, Ga.
Lane, Chas. R., mill & facty. supplies, masons' & bldrs.' matls., Haverstraw, N. Y.
Lane, Chas. W., carriages, Butte, Mont.
Lane Construction Corp., Meriden, Conn.
Lane, D. T., & Sons, machsts. & fndrs., Franklin, Pa.
Lane, F. M., machsts. & fndrs., Memphis, Tenn.
Lane, G. W. & C. A., mill & facty. supplies, Exeter, N. H.
Lane, Geo. W., & Co., contractors, Lewiston, Me.
Lane, H. M., Co., mill engnrs., Owen bldg., Detroit, Mich.
Lane, Horace H., architect, Dime Bank Bldg., Detroit, Mich.
Lane, Ira G., Co., htg. contrs., pipe hangers, 1077 3d av, New York.
Lane, J. H., & Co., filter cloths, bags, cotton duck, etc., 334 4th av, New York.
Lane, J. L., & Co., lumber mfrs., 11 S. La Salle, Chicago, Ill.
Lane, Jno. S., & Son, stone producers, Meriden, Conn.
Lane & Maloney Contr. Co., Newton Center, Mass.
Lane Mfg. Co., power transmitting & wood cutting machy., Montpelier, Vt.
Lane Mfg. Co., clothing fasteners, buttons, etc., Waterbury, Conn.
Lane, Maurice F., contrs., Syracuse, N. Y.
Lane Mill & Mach'y Co., Chilian mills, Los Angeles, Cal.
Lane-Pyke-Werkhoff Co., htg. contrs., Lafayette, Ind.
Lane Quarry Co., stone producers, Meriden, Conn.
Lane, Roy E., archit., Chamber of Commerce Bldg., Waco, Tex.
Lane & Sutliff, machsts., Eureka, Cal.
Lane, T. J. Equipment Co., Springfield, Ohio.
Lane, T. W., carriages & auto. bodies, Amesbury, Mass.
Lane, Thos., Co., ornamental iron work, Farmers' Bank Bldg., Pittsburgh, Pa.
Lane, W. T., & Bro., canvas baskets, trucks, etc., Poughkeepsie, N. Y.
Lane & Wyman, architects, 576 Quinnipiac av, Bridgeport, Conn.
Laner, True & Co., sashes, doors & blinds, Byesville, Ohio.
Lanesboro Canning Co., Lanesboro, Minn.
Lanese Co., contractors, Guardian Bldg., Cleveland, Ohio.
Lanett Cotton Mills, West Point, Ga.
Lang Body Co., automobile bodies, W. 106th, Cleveland, Ohio.
Lang Broom Co., corn, 2029 Chateau, Pittsburgh, Pa.
Lang & Bro. Mfg. & Mercantile Co., masons' & bldrs.' matls., Farmington, Mo.
Lang, C. E., Co., cornices, Mishawaka, Ind.
Lang, C., & Son, stone, Vine & Ehrman av, Avon, Cincinnati, Ohio.
Lang Canning & Preserving Co., Beatrice, Nebr.
Lang Chemical Co., boiler compound, 307 Grand River av, Detroit, Mich.
Lang & Cochran, machinists, Wasca, Minn.
Lang, David S., architect, 110 34th, New York
Lang, E. & C., stone producers, Columbus, Ohio.
Lang, E. D., stone producers, Canton, Ohio.
Lang, E. M., Co., soldering, canning & sizing machs., etc., Portland, Me.
Lang, Eugene J., architect, 477 5th av, New York.
Lang, F. S., Mfg. Co., stove mfrs., Seattle, Wash.
Lang, Herman J., architect, 1617 Brownsville, Pittsburgh, Pa.
Lang, Hy., Co., patent lthr., 17th av, Newark, N. J.
Lang, J. A., & Sons, mach'y, 280 Dover, Boston, Mass.
Lang, J. B., Engine & Garage Co., machsts. & fndrs., Ithaca, N. Y.
Lang, J. M., & Co., acid phosphate, Savannah, Ga.
Lang, John, Paper Co., 24th & Vine, Philadelphia, Pa.
Lang Propeller Co., airplane proplrs., 527 5th av, New York.
Lang, R. B., Mfg. Co., machsts., Racine, Wis.
Lang, Robt. A., architect, Eau Claire, Wis.
Lang & Scharmann, machsts. & fndrs., Marshfield, Wis.
Lang-Smith, lbr., Lovelady, Texas.
Lang, Wm., & Sons Co., iron, Patterson nr. Bank, Cincinnati, Ohio.
Lang & Witchell, architects, Southwestern Life Bldg., Dallas, Tex.
Langan, P. T., Lumber Co., Cairo, Ill.
Langan, Thos., Lumber Co., Perth Amboy, N. J.
Langdon, C. S., lbr. mfrs. & wholesale dlrs., 71 Beaver, New York.
Langdon & Hohly, architects, Nicholas Bldg., Toledo, Ohio.
Langdon, Horace, machinist, Monterey, Cal.
Langdon, Jas. G., landscape arch., Munsey Bldg., Baltimore, Md.
Lange, August K., pipe hooks, clamps & hangers, 606 E. 15th, New York.
Lange & Bergstrom, contractors, Sharon Bldg., San Francisco, Cal.
Lange Bros., contrs., Champaign, Ill.
Lange Canning Co., Eau Claire, Wis.
Lange, Ferdinand, contractor, Wilkes-Barre, Pa.
Lange, H. G., machst., 162 N. May, Chicago, Ill.
Lange Machine Works, cutter heads & stove rejoining machy., Aurora, Ill.
Lange Motor Truck Co., 5th & Hamilton av, Pittsburgh, Pa.
Lange Soap Co., oils, San Antonio, Tex.
Langelier Mfg. Co., builders of multiple drilling, hammering & swaging machines, Arlington, Providence, R. I.
Langenau Mfg. Co., hdwe. mfrs., 8403 Franklin av, N. W., Cleveland, Ohio.
Langenberg, Wm. E., common brick, Stevens Point, Wis.
Langenberger Const. Co., 302 6th, Milwaukee, Wis.
Langenbrunner & Son, horse collars, 315 Hammond, Cincinnati, Ohio.
Langenfeld, Jno., machst., Marytown, Wis.
Langer, Nathan, architect, 81 E. 125th, New York.
Langever, J. J., elec. illuminated signs, Fort Worth, Texas.
Langfeld Bros. & Co., advtg. nov., 1421 Wallace, Phila., Pa.
Langford, Geo., contractor, Allsky Bldg., Portland, Ore.
Langguth Olson Co., elect. irons, 120 Liberty, New York.
Langham, Wm., masons' & bldrs.' matls., Keysport, Ill.
Langlade Lbr. Co., Antigo, Wis.
Langland Mfg. Co., pckg. box, sash, door & blind mfrs., Muskegon, Mich.
Langley, Chas. A., contractor, 310 12th, N. W., Washington, D. C.
Langley, Edward, architect, Connell Bldg., Scranton, Pa.
Langley, Geo. H., Lbr. Co., Rochester, N. H.
Langley & Scampini, granite, Concord, N. H.
Langlois Co., mill & facty. supplies, Racine, Wis.
Langmaid, J. P., & Son, masons' & bldrs.' matls., 311 Derby, Salem, Mass.
Langrall, J., & Bro., canned goods, 2105 Aliceanna, Baltimore, Md.
Langsenkamp, F. H., faucets, pipe bends, etc., Indianapolis, Ind.
Langsenkamp-Wheeler Brass Wks., machsts. & fndrs., Indianapolis, Ind.
Langslow, Fowler Co., school furniture, Rochester, N. Y.
Langstad & Meyer Co., elec. light plants, Appleton, Wis.
Langstaff-Orm Lumber Co., Paducah, Ky.
Langston Lime & Cement Co., Salt Lake City, Utah
Langston, Sam'l M., Co., textile machy. supplies, etc., Camden, N. J.
Langstroth, T. W., horse feed bags, blankets, halters, surcingles, etc., 77 Warren, New York.
Langtry Mach. & Tool Co., 700 Commonwealth av, Detroit, Mich.
Langville Woolen Mills, blankets, flannels, woolen, Langville, Pa.
Langworthy, Leslie P., architect, 37 Weybosset, Providence, R. I.
Langworthy, R. O., archt., 608 E. Georgia av, San Antonio, Tex.
Lanigan Bros., contractors, Bronx River & 165th, New York.
Laning, Geo. D., canned goods, Bridgeton, N. J.
Laning, W., & Son Co., canned goods, Bridgeton, N. J.
Lankford, Robt., dry docks & marine rys., Bayonne, N. J.
Lanman, E. B., Co., wrought iron washers, 80 Jackson blvd., Chicago, Ill.
Lanman, Wm. H., contractor, 165 B'way, New York.
Lann & Carter Hardware Co., Aberdeen, Miss.
Lannert Co., machsts., Cleveland, Ohio.
Lannert Mfg. Co., carriages, Evansville, Ind.
Lanning, W. L., architect, Wilson bldg., Yakima, Wash.
Lannon, John, stone producers, Plainfield, N. J.
Lanoix, Alphonse, brick, Gonic, N. H.
Lanpher Carriage & Auto. Co., Carthage, Mo.
Lanpher, H. S., & Co., granite paving blocks, 90 West, New York
Lanquist & Illsley Co., contractors, 1100 N. Clark, Chicago, Ill.
Lansburgh, G. Albert, architect, 709 Mission, San Fran., Cal.
Lansdale Fndry. Co., heating boilers, Lansdale, Pa.
Lansdale Pure Food Co., canned goods, 1227 Germantown av, Philadelphia, Pa.
Lansden Co., stor. battery trucks, & auto. bldrs., 2211 Nostrand av, Brooklyn, N. Y.
Lansdowne Constr. Co., Lansdowne, Pa.
Lansdowne, J. T., canned goods, Stone Mountain, Va.
Lansing, A. F., architect, Sherman Bldg., Watertown, N. Y.
Lansing, Bley & Lyman, archts., Prudential Bldg., Buffalo, N. Y.
Lansing Co., lbr., Parkin, Ark.
Lansing Co., machsts. & fndrs., Lansing, Mich., & 348 Brannan, San Francisco, Cal.
Lansing Foundry Co., Lansing, Mich.
Lansing Lbr. Co., sash, door & blind mfrs., 824 N. Main, Providence, R. I.
Lansing Motor & Pump Co., machsts. & fndrs., Lansing, Mich.
Lansing Silo Co., tanks, Lansing, Mich.
Lansing Stamping & Tool Co., Lansing, Mich.
Lansing & Oakley, architects, 70 W. Chippewa, Buffalo, N. Y.
Lansing Body Co., Lansing, Mich.
Lansing Wheelbarrow Co., Lansing, Mich.
Lanski, I., & Son Scrap Iron Co., 2117 S. Jefferson, Chicago, Ill.
Lanston Monotype Mach. Co., type setting machines, 24th & Locust, Philadelphia, Pa.
Lanterman, Wm., contractor, Easton, Pa.
Lantz, Fred, brick, Pioneer, Ohio.
Lantz, I. M., sashes, doors & blinds, McArthur, Ohio.

g, W. R., Mfg. & Supply Co., carriages, truck bodies, etc., Muskogee, Okla.
m, S. O., Planing Mill Co., sash, door & blind mfrs., Bloomington, Ind.
on, D. N., brick, Hillsdale, Ind.
on, Robert. Zinc & Acid Co., Hillsboro, Ill.
, A., & Sons, machsts. & fndrs., Monroe, Wis.
, Louis, soap, Oakland, Cal.
, M., & Sons, pole rings, conduit hangers, bolt, nut & rivet mfrs., 2907 Carson, Pittsburgh, Pa.
, Owen, & Co., laundry & school bags, 392 Florida, Milwaukee, Wis.
it Corrugated Paper Co., boxes, 2039 S. Morgan, Chicago, Ill.
on Furniture Co., elec. portables & silk shades, Grand Rapids, Mich.
nis Aircraft Co., aeroplanes & supplies, Woolworth Bldg., New York.
chet, A. L., architect, 110 Sutter, San Francisco, Cal.
t, L., scrap iron, Paterson, N. J.
Bottle Co., Lapel, Ind.
Canning Co., Lapel, Ind.
m, John G., Engineering Co., refrigeration engrs., 30 New York.
es & Kalison, elec contrs., New Haven, Conn.
rre, A. A., & Co., granite producers, Concord, N. H.
rre, H. M., Co., auto steering wheels, 1314 W 21st, Chicago, Ill.
erre, Lester S., architect, 101 Park av., New York
ierre Mfg. Co., silver nov, Newark, N. J.
ierre-Sawyer Handle Co., Jackson, Mo.
iant-Choate Mfg. Co., capstans, movers' rollers, trucks & tump pullers, Cedar Rapids, Ia.
int Foundry Co., grey iron & semi steel castings, Schleisinerville, Wis.
nt & Sullivan, bldg. contrs., Burlington, Vt.
inte, Henry, architect, Miami, Fla.
nte, J. N., Co., machsts., New London, Conn.
nte Machine Tool Co., machsts. & fndrs.—broaching nachy., Hudson, Mass.
rte Braiding Mills Co., laces, La Porte, Ind.
rte Canning Co., La Porte, Ind.
rte Fdy. & Furnace Co., La Porte, Ind.
rte Harness Co., La Porte, Ind.
rte Mat & Mfg. Co., La Porte, Ind.
rte Sash & Door Co., La Porte, Ind.
Jos., sash, door & blind mfr., Leroy, N. Y.
n, Jas., Mfg. Co., steel stacks, 20th & Pike, Pittsburgh, Pa.
rth Webbing Co., Brockton, Mass.
rth, Wm., & Sons, elastic webbing, Milford, Mass.
ee, Chas. P., contr., Mendota, Ill.
y, P., fndrs., Hartford, Conn.
ore, O. O., machsts., Portage, Ohio.
don, M. W., & Co., pitch, turpentine & rosin mfrs., 82 Vall, New York.
Bros. Lbr. Co., N. Tonawanda, N. Y.
Dail, Mfg. Co., panel board cabinets & switchboard, 606 herry, Phila., Pa.
J. E., architect, Bay City, Tex.
Wm. H., machst., Pottstown, Pa.
-Stough Co., pipe threaders, Frankfort, Ind.
, J. R., mattresses, Elmira, N. Y.
r County Co-operative Milk Condensing Co., Loveland, lo.
er, E. K., Hardware Co., Cedar Rapids, Ia.
Simon, architect, 719 Main, Niagara Falls, N. Y.
-Carey Co., contrs., New Haven, Conn.
, C. J., contrs., Rock Island, Ill.
& Co., contrs., Memphis, Tenn.
& Co., machsts., sand pumps, etc., Butler, Pa.
Co., soap, glycerine, etc., 663 Seneca, Buffalo, N. Y.
, E. L., architect, 461 8th av, New York.
, J. J., machst. & fndr., Bartlesville, Okla.
, J. J., oil & gas well packers, Bartlesville, Okla.
, J. K., & Co., whol. hdwe., 34 Reade, New York.
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, M. D., Supply Co., mill & facty. supplies, Dayton, Ohio.
Mfg. Co., coupling expanding machs. & fire extinguishers, ayton, Ohio.
, Michael, & Son, contractors, 519 E. 16th, New York.
, P. J., submarine divers, 3 Coenties Slip, New York.
Reed Co., tex. machy., supplies, etc., Danielson, Conn.
s, John P., architect, Downs bldg, Seattle, Wash.
a, L. M., flour mills, Alvaton, Ky.
che, E. B., architect, Jefferson Co. Bank Bldg., Birmingham, Ala.
ee, Albert S. (Est. of), Lakewood, N. J.
ee, C., Jr., stone producers, Willimantic, Conn.
ee-Deyo Motor Truck Co., Binghamton, N. Y.
ee, John E., Co., whol. hdwe., Amsterdam, N. Y.
e, Sam'l, contractor, Williamsport, Pa.
e Buckwheat Flour Corp., Cohocton, N. Y.
e Construction Co., 1199 Woodward av, Detroit, Mich.
e Milling Co., buckwheat flour, Cohocton, N. Y.
Adolph C., contr., 7701 Oglesby av., Chicago, Ill.
Anton, & Son, dumb waiters, Brook av & 134th, New rk.

Larsen, C., & Co., mouldings, 401 N. Leavitt, Chicago, Ill.
Larsen, Chris., contractor, 110 Jessie, San Francisco, Cal., & Hennen Bldg., New Orleans, La.
Larsen, Clarence H., architect, Terminal Bldg., Lincoln, Neb.
Larsen Constr. Co., Oshkosh, Wis.
Larsen Contr. Co., Stone Harbor, N. J.
Larsen, Fred, contrs., Kenosha, Wis.
Larsen, Hans, sashes, doors & blinds, Rawlins, Wyo.
Larsen, Holger E., machsts., Janesville, Wis.
Larsen, Ivert, machsts., 221 N. Elizabeth, Chicago, Ill.
Larsen Lumber Co., Jeffris, Wis.
Larsen-Sampson Co., contrs., Crocker Bldg., San Francisco, Cal.
Larsen, Wm., Canning Co., Green Bay, Wis.
Larson Bros., ventilator mfrs., Johnsonburg, Pa.
Larson, C. A., cornices & skylights, Sioux City, Ia.
Larsen, Chas. E., die forgings & case hardening, 111 N. Desplaines, Chicago, Ill.
Larsen, C. F. & Sons, contrs., Orion, Ill.
Larsen, Nils, contr., Danbury, Conn.
Larson, O. F., contractor, Prov. Bldg., Tacoma, Wash.
Larson & Carlson, granite, Concord, N. H.
Larsen-Danielson Const. Co., contrs., La Porte, Ind.
Larson Hardware Co., Sioux Falls, S. D.
Larson, L. P., architect, Chicasha, Okla.
Larson, Oscar, contrs., 515 Quinnipiac av, New Haven, Conn.
Larson, Peter, brick, Barronett, Wis.
Larsen, Peter A., contr., Geneseo, Ill.
Larson, Thos., brick, Shawano, Wis.
La Rue Tile Co., La Rue, Ohio.
Larzelere, H. L., architect, Mercantile Bldg., Rochester, N. Y.
La Salle Cement Co., 140 S. Dearborn, Chicago, Ill.
La Salle County Carbon Coal Co., La Salle, Ill.
La Salle Mach. & Tool Co., La Salle, Ill.
La Salle Paper Co., South Bend, Ind.
La Salle Portland Cement Co., La Salle, Ill.
La Salle Pressed Brick Co., La Salle, Ill.
La Salle Steel Co., alloy & automobile, S. Halsted & 23d, Chicago, Ill.
Lasar Mfg. Co., machsts. & fndrs., 1313 16th, St. Louis, Mo.
Lasar Ornamental Iron Co., 16th & O'Fallon, St. Louis, Mo.
Las Camas Mill & Flume Co., lbr., Camas, Wash.
Lasche, Alfred, Co., mattresses, 960 N. 2nd, Phila., Pa.
Lash, A. F., masons' & bldrs.' matls., 25 D, Boston, Mass.
Lash Lee Studios, scenic artists, 308 E. 48th, New York.
Lash, David H., contractor, 720 Grandview av, Pittsburgh, Pa.
Lasker & Bernstein, sponges & chamois imp., 161 William, New York.
Lasley, W. M., contractor, Temple ct, Minneapolis, Minn.
Laspia & Salvati, architects, 525 Grand, Brooklyn, N. Y.
La Spina, Peter Co., granite & stone prod., 2 Canal pl, New York.
Lassiter, A. L., & Bro., architects, Paducah, Ky.
Lassiter, C. J., corn & flour mills, Raleigh, N. C.
Lassiter, Robert G., & Co., contractors, Oxford, N. C.
Las-Stik Patch Mfg. Co., Hamilton, Ohio.
Lasure Friction Clutch Pulley Co., Madison, Wis.
Latane & Watson, canned goods, Munford, Va.
Latenser, Jno., & Sons, architects, Peters Trust bldg, Omaha, Neb.
Latham & Co., spray pumps, Sandusky, Ohio.
Latham & Crane, contractors, Willimantic, Conn.
Latham, E. B., & Co., incandescent lamp replacers, 4 Murray, New York.
Latham, Edgar H., contrs., Columbus Saving & Trust Co., Columbus, Ohio.
Latham, M., architect, 542 Montgomery, San Francisco, Cal.
Latham Machy. Co., 1153 Fulton, Chicago, Ill.
Latham & Walters, contrs., State Life Bldg., Indianapolis, Ind.
Lathbury, B. B., testing laboratories, Franklin Bank Bldg., Philadelphia, Pa.
Lather & Carlton, architects, O'Neil Bldg., Binghamton, N. Y.
Lather, Geo., contractor, Traverse City, Mich.
Lathey Steel Type Co., see Lovejoy Tool Works (successor).
Lathrop, C. P., & Co., masons' & bldrs.' matls., 1600 E. Marshall, Richmond, Va.
Lathrop, C. S., contractor, Lima, Ohio.
Lathrop, H. R., & Co., crude drugs, stearate zinc, etc., 116 Beekman, New York.
Lathrop, J. W., Co., machsts. & fndrs., Mystic, Conn.
Lathrop Lumber Co., Birmingham, Ala.
Lathrop, Noah, & Son, lbr., Bristol, Vt.
Lathrop & Shea Co., contractors, 185 Church, New Haven, Conn.
Lathrop, Shea & Henwood Co., contractors, Scranton, Pa.
Lathrop, T. A., contractor, 418 Central av, S. E., Minneapolis, Minn.
Lathwood Foundry Co., 30th & Wayne, Pittsburgh, Pa.
Latimer & Lawrence Packing Co., canned goods, Biloxi, Miss.
Latimer, R. L., & Co., mill & facty. supplies, 24 N. Front, Philadelphia, Pa.
La Tosca Knitting Co., sweaters, cardigans, etc., Utica, N. Y.
Latourette-Fical Co., cornices, Sacramento, Cal.
Latourrette-Fical Co., machsts., Oak Park, Cal.
Latrobe Brick Co., Latrobe, Pa.
Latrobe-Connellsville Coal & Coke Co., bituminous, Greensburgh, Pa.
Latrobe Elec. Steel Co., Latrobe, Pa.
Latshaw Belting & Supply Co., mill & factory supplies, Omaha, Neb.

Latta, John S., Co., mill & factory supplies, 1318 Arch, Phila., Pa.
Latta-Martin Pump Co., Hickory, N. C.
Latterner, Arthur, plumbers' & steam fitters' supplies, wholesale, 602 Pennsylvania av, N. W., Washington, D. C.
Lattig-Shimer Mfg. Co., school furn., Bethlehem, Pa.
Lattimer Fndry. & Mach. Co., Lattimer Mines, Pa.
Lattimer-Stevens Co., swivels & meter seals, 74 E. Gay, Columbus, Ohio
Lattimer Stove Co., fndrs., Columbus, Ohio.
Lattimer Supply & Machy. Co., mill & factory supplies, Lattimer, Pa.
Lattimer, W. H., & Sons, rattan furniture, Orwell, N. Y.
Latz, Hy., contrs., Joliet, Ill.
Laub Bros., trunk mfrs., Louisville, Ky.
Laubach, C. J., Co., sash, door & blind mfrs., Phillipsburg, N. J.
Laubenheimer, Geo. E., Co., brewers' machy., 17 N. La Salle, Chicago, Ill.
Laubenstein Mfg. Co., perforated metals, screens, Ashland, Pa.
Laubenthal Lbr. Co., Sunflower, Ala.
Lauber, Alb., cornices & skylights, 433 W. 42d, New York.
Lauber, J. C., & Co., cornices, South Bend, Ind.
Laub's, Geo., Sons, shoe thread, Buffalo, N. Y.
Lauby, C. W., cornices & skylights, Vincennes, Ind.
Laucks, J. F., Inc., testing laboratories, chemists, etc., 99 Marion, Seattle, Wash.
Laud, Mrs. E. A., lumber, New Madrid, Mo.
Laue Mfg. Co., boiler flue blowers, Chicago Heights, Ill.
Lauer Bros., contrs., ft. of Chestnut, St. Paul, Minn.
Lauer, J. J., cornices, Ashland, Pa.
Lauer, J., & Sons, contractors, 10 Portland, Pittsburgh, Pa.
Lauer, Jno., Mach. Co., crankshafts, 110 St. Antoine, Detroit, Mich.
Lauer, M. P., architect, Hamilton Bldg., Akron, Ohio.
Lauer, N., masons' & bldrs.' matls., Ottoville, Ohio.
Lauffer, W. A., Co., granite producers, 2319 Liberty av, Pittsburgh, Pa.
Laughlin, Alex., & Co., furnaces & gas producers, 1st Nat. Bk. Bldg., Pittsburgh, Pa.
Laughlin & Barney, mill & factory supplies, Union Arcade, Pittsburgh, Pa.
Laughlin, Homer, China Co., East Liverpool, Ohio.
Laughlin Homer, Engineers Corp., 2652 Long Beach av, Los Angeles, Cal.
Laughlin, John, mill & facty. supplies, Cohoes, N. Y.
Laughlin Mfg. Co., fountain pen mfrs., Fine Arts Bldg., Detroit, Mich.
Laughlin, Thos., Co., marine hdwe., & galvanized iron & brass, Portland, Me.
Laughlin, W. F., & Son, contractors, Altoona, Pa.
Laughlin, Wm. M., architect, New Kensington, Pa.
Laughton Pad Co., Westfield, Mass.
Lauhoff Bros., machsts., 35 Chene, Detroit, Mich.
Lauk Bros., contractors, 3257 Granshaw, Chicago, Ill.
Laun, J. B., lumber, Kiel, Wis.
Laun Mach. Co., mixers, 715 Root, Chicago, Ill.
Laura, John, & Co., plastic slate roofers, 101 Park av, New York.
Lauraine Magneto Co., Inc., spark plugs, etc., 181 13th, Long Island City, N. Y.
Laurel Canning Co., Laurel, Del.
Laurel Cut Glass Co., Jermyn, Pa.
Laurel Mach. & Fdry. Co., Laurel, Miss.
Laurel Mfg. Co., cornices, 627 N. 3d, Philadelphia, Pa.
Laurel Mills, sheetings & tickings, Laurel, Miss.
Laurel Motor Car Co., Richmond, Ind.
Laurel Motor Corp., auto bldrs., Anderson, Ind.
Laurel Oil & Fertz. Co., Laurel, Miss.
Laurel River Lumber Co., Jenningston, W. Va.
Laurel Co., rubber goods, Garfield, N. J.
Laurel Soap Mfg. Co., Inc., 1528 Frankford av, Phila., Pa.
Laurence Belting Co., belting mfrs., 111 Chambers, New York.
Laurent Cherry Pulley Block Co., wire pullers & tackle block, Trenton, N. J.
Laurents & Hartshorn Packing Co., meat packers, Ft. Wayne, Ind.
Laurie, Jas., brick, Scranton, Pa.
Laurinburg Oil Co., Laurinburg, N. C.
Lauritzen Construction Co., Waterloo, Ia.
Lauritzen, John, Co., contractor, Fergus Falls, Minn.
Lauritzen, L., architect, 65 DeKalb av, Brooklyn, N. Y.
Laursen Automatic Pump Co., hydraulic, water driven, & deep well, Menomonie, Wis.
Lausberg & Macke, church furniture, Louisville, Ky.
Lauson, C. E., Brass Fdy., Briston, Conn.
Lauson, John, Mfg. Co., machsts. & fndrs.—traction engines, New Holstein, Wis.
Lauson-Lawton Co., machsts. & fndrs.—clutches, elec. light plants, De Pere, Wis.
Lauter Co., pianos, 593 Broad, Newark, N. J.
Lauter, H., Co., music cabinets, W. Wash. & Harding, Indianapolis, Ind.
Lauth, Philip, contractor, 29 S. La Salle, Chicago, Ill.
Lautz Bros. & Co., glycerine, Buffalo, N. Y.
Lautz Co., Onyx, etc., Buffalo, N. Y.
Lautz-McNerney Marble Co., Carthage, Mo.
Lautz, Wm. H., architect, 35 S. Dearborn, Chicago, Ill.
Lavaller, Theophile, contractor, Watervliet, N. Y.
Lavan, P. J., steam heating contr., Seattle, Wash.
Lavanburg, Fred. L., arsenate of lead, Paris green, etc., 1 William, New York.
La Vaute, N. H., architect, 1st Nat. Bank Bldg., Syracuse, N.
Lavelle Fndry. Co., Anderson, Ind.
Lavelle Rubber Co., mill & factory & plbrs. supplies, 181 Lake, Chicago, Ill.
Lavender, Jas. B., architect, Hinton, W. Va.
Lavenson Bureau, signs, metal litho., 308 Walnut, Phila., Pa.
La Vergne Pump Co., 284 N. 5th, Newark, N. J.
Lavey, James B., potter, Milan, Ohio.
La Vies, John G., architect, Merrill Bldg., Milwaukee, Wis.
Lavine Gear Co., Racine, Wis.
Lavino, E. J., & Co., ores, Bullitt Bldg., Philadelphia, Pa.
Lavo Co., soap, 48 7th, Milwaukee, Wis.
Law & Burwell, granite producers, Union & Ogden, Phila., Pa
Law, Ernest, & Co., pig iron & coke dlrs., Harrison Bldg., Phi delphia, Pa.
Law, F. A., Mach. Co., Hartford, Conn.
Law & Hawxhurst, elec. light fix. mfrs., 164 Pine, Providen R. I.
Law, J. Douglas, Co., hdwe—wholesale, mill & facty. suppli Springfield, Mass.
Law, Jas. R., architect, Madison, Wis.
Law, John H., masons' & bldrs.' matls., Hollidaysburg, Pa.
Law, Martha, common brick, Chester, Pa.
Law & Co., chemists, Atlanta, Ga.
Lawder, Arthur A., & Sons, carriages, 6910 Lafayette, Chica Ill.
Lawler, Allen J., canned goods, Southwest Harbor, Me.
Lawler Bros., contractors—dock bldrs., 16 City sq, Chan., B ton, Mass.
Lawler Iron Wks., 44 Gull, Buffalo, N. Y.
Lawler Regulator Co., boiler couplings, water, feeders, etc., paratus, 55 W. Houston, New York.
Lawler Rubber & Supply Co., mill supplies, Canton, Ohio
Lawler Water Feed & Damper Regulator Co., regulators, ste traps, etc., 55 W. Houston, New York.
Lawless Bros., contractors, 1072 3d av, New York.
Lawless Paper Co., Rochester, N. Y.
Lawley, Geo., & Son Corp., yacht & motor boat bldrs., Nepon Boston, Mass.
Lawlor, Jno. J., architect, 360 W. 23d, New York.
Lawlor & Haase architects, 15 W. 38th, New York
Lawn, Jno. A., washboard mfrs., Lewiston, Pa.
L. A. W. Nov. Co., garment hangers, Springfield, Mass.
Lawrence, A. I., architect, Burlington, Vt.
Lawrence, A. J., architect, 123 W. Madison, Chicago, Ill.
Lawrence Airplane Model & Supply Co., toys, 567 West V Buren, Chicago, Ill.
Lawrence Belting Co., 111 Chambers, New York.
Lawrence, Bostwick Mfg. Co. (Ltd.), tinware mfrs., Phel N. Y.
Lawrence Bros., machsts. & fndrs., Sterling, Ill.
Lawrence Bros., masons' & bldrs.' matls., Yonkers, N. Y.
Lawrence Bros. Co., lbr., South Gardiner, Me.
Lawrence Canning Co., Rockland, Me.
Lawrence Cement Co., 1 Broadway, New York.
Lawrence Construction Co., Augusta, Ga.
Lawrence Contrg. Co., 2409 Walton av, New York.
Lawrence Duck Co., Lawrence, Mass.
Lawrence, Eli, Jr., heating contractors, Burlington, N. J.
Lawrence, F. D., Elec. Co., elec. mine supplies, 219 W. 4th, cinnati, Ohio.
Lawrence Felting Co., Millville, Mass.
Lawrence Fdry. Co., Grove City, Pa.
Lawrence, Geo., Co., harness, saddles, etc., Portland, Ore.
Lawrence, Geo. E., speedometers, Bullitt Bldg., Philadelphia,
Lawrence Granite Co., Lawrence, Mass.
Lawrence, Harry A., & Co., sash, door & blind mfrs., Fitchbu Mass.
Lawrence & Hill, machsts., Watertown, N. Y.
Lawrence & Holford, architects, Chamber of Com., Portland,
Lawrence, I. G., contractor, Durham, N. C.
Lawrence Iron Works, Lawrence, Kans.
Lawrence, J. Custis, architect, East Hampton, N. Y.
Lawrence, J. H., & Sons, machsts. & fndrs., Nashville, Tenn.
Lawrence, L., & Co., brass fndrs., 292 Halsey, Newark, N. J.
Lawrence, Lewis M., architect 125 Tremont, Boston, Mass.
Lawrence Limestone Co., New Castle, Pa.
Lawrence Lumber Co., Lawrence, Mass.
Lawrence-McFadden Co., iron fillers, varnish mfrs., etc., 1 Fkd. av, Philadelphia, Pa.
Lawrence Machine Co., steam & motor driven centrifugal pur mfrs., 42 Island, Lawrence, Mass.
*See adv. index at end of book.*
Lawrence Mfg. Co., gasoline lamps, 9 S. Clinton, Chicago, I
Lawrence, P. M., & Co., porch columns, Augusta, Me.
Lawrence Paint Co., plate glass, Binghamton, N. Y.
Lawrence Paper Co., 151 Spring, New York.
Lawrence Paper Mfg. Co., Lawrence, Kans.
Lawrence Portland Cement Co., Siegfried, Pa.
Lawrence Pump & Engine Co., Marston, Lawrence, Mass.
Lawrence Rubber Co., mill & factory supplies, Lawrence, Ma
Lawrence Sand Co., New Castle, Pa.
Lawrence Shot & Lead Co., pipes, Omaha, Neb.

rence Steel Construction Co., structl. wk., 3324 Smallman, Pittsburgh, Pa.
rence, W. E., architect, Glens Falls, N. Y.
rence, W. W., & Co., enamels, W. Caron, Pittsburgh, Pa.
rence, Warrington G., architect, 37 E. 28th, New York
renceburg Lumber Co., Lawrenceburg, Ind.
renceburg Milling Co., flour, Lawrenceburg, Tenn.
renceburg Roller Mills Co., flour & feed, Lawrenceburg, Ind.
renceville Bronze Co., babbit metal, Bessemer Bldg., Pittsburgh, Pa.
renceville Fertilizing Co., Lawrenceville, Ga.
renceville Mill & Ice Corp., flour, Lawrenceville, Va.
rie, Harry, architect, Paxton blk, Omaha, Neb.
ry, E H., canned goods, Lawry, Me.
son Aircraft Co., aeroplanes & supplies, Green Bay, Wis.
son, C. E., machsts., brass & composition fndrs., Bristol, Conn.
son & Co., Inc., boring & drilling heads, 416 W. 33d, New York.
son, C. K., Hardware Co., Hastings, Neb.
son, F. A., railroad equipt., 525 Market, San Francisco, Cal.
son, F. H., Co., tin plate, ovens, etc., Cincinnati, Ohio.
son, H. J., cornices & skylights, Manchester, N. H.
son Hardware Co., Newburgh, N. Y.
son, J. F., contractor, Jamestown, N. Y.
son, Jacob, Bag Co., burlap, 264 Water, New York.
son Mfg. Co., hdwe. mfrs., 230 W. Superior, Chicago, Ill.
son Mfg. Co., natural gas burners, Lexington & Thomas, Pittsburgh, Pa.
son & Nelson Sash & Door Co., 160 Western av, Minneapolis, Minn.
son, O. P., heaters, stoves, Homestead, Pa.
son Piano Co., 372 E. 149th, New York.
son, T. D., masons' & bldrs.' matls., Tullahoma, Tenn.
ton & Bushman, machsts. & fndrs., Burlington, Wis.
ton, Chas. A., Co., machsts. & fndrs., De Pere, Wis.
ton, Geo. W., archit., Alaska Bldg., Seattle, Wash.
ton, Lewis, & Sons, contractors, Trenton, N. J.
ton Spinning Co., cotton thread, Woonsocket, R. I.
ton-Stephens Co., fire proof doors, mouldings, etc., 427 Marcy av, Brooklyn, N. Y.
ton Tractor Co., St. Marys, Ohio.
ton, Wm., machst. & fndr., Kingston, N. Y.
on, W. M., mill & factory supplies, Utica, N. Y.
Chas., Downing, landscape archt., 15 E. 40th, New York.
Jos., Co., brooms, brushes, scrapers, Ridgeville, Ind.
ock-Brossman Mfg. Co., bicycles, Indianapolis, Ind.
ock Lbr. Co., 863 Eagle, Buffalo, N. Y.
ock, T. B., Son & Co., juvenile bicycles, Indianapolis, Ind.
ock, W., Co., machsts. & fndrs., Libertyville, Ill.
r, Robt., architect, 118 N. La Salle, Chicago, Ill.
ıan, A. C., Mach. Co., Wilmington, Del.
ıan Bros. Co., canned goods, Daleville, Va.
ıan, C. A., canned goods, Troutville, Va.
ıan, J. W., canned goods, Troutville, Va.
ıan Pressed Rod Co., Inc., connecting rods, 25 Broad, New York.
ıan, Wm. F., canned goods, Roanoke, Va.
e & Bowler Co., pumps—turbine, 37 N. Van Buren, Chicago, Ill., & Memphis, Tenn.
e & Bowler Corp., wall screens & pumps, 900 Santa Fe av, Los Angeles, Cal. *See adv. index at end of book*
Bros., contractors, Brockton, Mass.
ın Co., meat packers, Muskego av, Milwaukee, Wis.
ın Elastic Glue Co., 703 Fulton, Chicago, Ill.
ın Fire Clay Co., brick, McKeesport, Pa.
ın, Fred'k W., contractor, Haller Bldg., Seattle, Wash.
ın, J. R., architect, Johnstown, Pa.
ın, Jos., contractor, Far Hills, N. J.
ın Milling & Elevator Co., flour, Layton, Utah.
ın Park Oil & Soap Co., 29th & Forest Home avs, Milwaukee, Wis.
ın & Smith, archts., Majestic Bldg., Oklahoma City, Okla.
ısky, Emil, wholesale plate & window glass, 324 Myrtle av, Brooklyn, N. Y.
' & Lazarus, trunk mfrs., 1230 S. Jefferson, Chicago, Ill.
d Godchaux Co., chemical imps., 100 William, New York.
'd, S. A., traveling bags, 221½ S. Los Angeles, Los Angeles, Cal.
ides Mfg. Co., arc lamps, 56 Beekman, New York.
us, Edgar M., architect, Chamber of Com., Portland, Ore.
us, J. & Co., umbrella mfrs., 74 Franklin, New York.
us, Lewis, & Sons, tin importers, 61 Broadway, New York.
us, M. H., Co., whol. hdwe., Charleston, S. C.
us Mfg. Co., hand vacuum cleaners, 750 Prospect av, Cleveland, Ohio.
by, F. A., & Co., cotton machy., winders, etc., 414 Key Highway, Baltimore, Md.
e & Kaplan Iron Wks., archl. & ornamental, 434 E. 124th, New York.
r Gas Engine Co., machsts., 190 Main, Buffalo, N. Y.
Brass Co., ball cocks, relief valves, Peabody, Mass.
ourtenay Co., centrifugal pumps, 5 Main, Newark, N. J.
David M., & Co., packing box mfrs., 1923 E. Maine, Richond, Va.
J. Tatnall, & Co., pig iron, ores & coke, St. Girard Bldg., Philadelphia, Pa.

Lea Lumber Co., box mfrs., Richmond, Va.
Lea Milling Co., flour, Wilmington, Del.
Leabarjan Mfg. Co., music roll perforating machy., Hamilton, O.
Leach, Alfred C., architect, 323 N. Charles, Baltimore, Md.
Leach-Beltwell Motor Co., 4800 Santa Fe av, Los Angeles, Cal.
Leach Bros., machsts. & fndrs., 614 Hood, Portland, Ore.
Leach, Frank, Hdwe. Co., Oshkosh, Wis.
Leach & Greene, surgical instruments, 100 Boylston, Boston, Mass.
Leach, Hy., steam & hot water htg. contr., 1103 Fulton Brooklyn, N. Y.
Leach, I. M., Jr., contractor, Wilkes-Barre, Pa.
Leach, J. M. Mfg. Co., stone prod., Kokomo, Ind.
Leach, L. D., & Co., lbr., ties, poles & posts, etc., 343 S. Dearborn, Chicago, Ill.
Leach Lbr. & Tie Co., Poplar Bluff, Mo.
Leach, O. G., Hardwood Lbr. Co., Lottie, La.
Leach, Otis, brick, Penobscot, Me.
Leach, Roy, contr., Owaneco, Ill.
Leach Windmill & Tank Co., Joliet, Ill.
Leacock, A. M., armatures, 85 Columbia, Newark, N. J.
Leacock Sporting Goods Co., 921 Locust, St. Louis, Mo.
Lead Lined Iron Pipe Co., fittings & valves, Wakefield, Mass.
Lead Products Co., 3215 Papin, St. Louis, Mo.
Leadbetter, G. E., & Son, Inc., contrs., Leominster, Mass.
Leader Brass Fdry. & Mfg. Co., Cleveland, Ohio.
Leader Buggy Co., Marysville, O.
Leader Button Co., 48 W. 27th, New York.
Leader Iron Works, pumps, tanks, water supply systems, Decatur, Ill.
Leader Machine Co., grain cleaning & grading machy., 2841 N. Francisco av, Chicago, Ill.
Leader Mfg. Co., center grinders, Springfield, Ohio
Leader Plow Co., Staunton, Va.
Leader Tractor Mfg. Co., Des Moines, Ia.
Leading Brass & Metal Co., 2715 Hickory, St. Louis, Mo.
Leadite Co., Land Title Bldg., Phila., Pa.
Leaf, E. B. Co., scrap iron, Real Estate Trust Bldg., Phila., Pa.
Leaf, E. B., Co., machy. dlrs. & railroad equipment & scrap iron, 50 Church, New York.
Leafgreen, Hans A., contractor, 133 W. Washington, Chicago, Ill.
League Tire Co., South Bend, Ind.
Leahy John J., tank alarms, conduit hangers, 48 Dey, New York.
Leahy, M. H., contractor, 1446 Prospect av, New York.
Leahy Mfg. Co., bee keepers' supplies, etc., Higginsville, Mo.
Leahy, Thos. Bldg. Co., 137 E. 25th, New York.
Leak-Cure Metal Cement Co., pipe joint, 89 Fulton, New York.
Leak, Wall & McRae, mattresses, Rockingham, N. C.
Leake, A. G., Erecting Co. (The), Inc., erectors & riggers, structural steel, ornamental iron, bridges, boilers, machinery, also fabricators of structural steel & ornamental iron work, Ash & Holland av, Bridgeport, Conn.
Leake, Boudinot G., architect, Fort Worth, Tex.
Leake, T. S., & Co., contractors, 608 S. Dearborn, Chicago, Ill.
Leaman, Lafayette, contractor, 1214 N. Y. av, Washington, D. C.
Lean, Roderick, Mfg. Co., agricultural implements, Mansfield, O.
Lear, W. H., lumber, 979 N. Front, Phila., Pa.
Leard & Massey, fertilizer, Hartwell, Ga.
**LEARD. WM., CO.,** machine keys, crankshafts, forgings, rods, strap joints, etc., 16th & 5th av, New Brighton, Pa. *See adv. index at end of book.*
Learman, Frank J., machsts., 150 Ellicott, Buffalo, N. Y.
Learned, A. C. J., contractor, 7 Charles, Providence, R. I.
Learned, Chas. H., architect, Lonesdale, R. I.
Learned Lbr. Co., 711 Lbr. Ex., Minneapolis, Minn.
Learned, R. F. & Son, lumber, Natchez, Miss.
Lears, C. H. & Sons, mattresses, 934 W. Baltimore, Baltimore, Md.
Leary, W. J., Mfg. Co., brick conveyors & machy., 411 Rhode Island, Buffalo, N. Y.
Leas & McVitty, lthr. belting belts, 303 Vine, Phila., Pa.
Leasburg Canning Co., Leasburg, Mo.
Lease, G. D. & W. J., boat oars, Jeffersonville, Vt.
Lease, M. T., contractor, Great Falls, Mont.
Leasure Vacuum Cleaner Co., Bradford, Pa.
Leath, A., & Co., mattresses, Elgin, Ill.
Leather, Geo. E., mosquito netting, 1543 Ruan, Phila., Pa.
Leather Preserver Mfg. Co., belt dressing, 542 W. Jackson bl, Chicago, Ill.
Leather & Smith Towing & Wrecking Co., boat bldrs., Sturgeon Bay, Wis.
Leather Tire Goods Co., auto belts, chains, anti-skid chains & tire protectors, Niagara Falls, N. Y.
Leathers, A. H., Handle Co., Dickson, Tenn.
Leavens, Frank A., mill & facty. supplies, Neenah, Wis.
Leavenworth Bag Mfg. Co., Leavenworth, Kans.
Leavenworth Bridge Co., steel struct. wk., Leavenworth, Kans.
Leavenworth, J. H., & Son, lbr., Greenville, Miss.
Leavenworth Milling Co., flour, Leavenworth, Kans.
Leaver, P. J. & Co., bldg contr., 1670 E. 20th, Los Angeles, Cal.
Leavery Htg. & Ventilating Co., 306 E. Water, Syracuse, N. Y.
Leavitt, C. W., & Co., ores, metals & alloys, 34 Church, New York. *See adv index at end of book.*
Leavitt, Chas. W., landscape architect, 220 B'way, New York.
Leavitt, Louis, paint mfrs., 454 Driggs av, Brooklyn, N. Y.
Leavitt Machine Co., valve reseating machy., Orange, Mass.
Leavitt Mfg. Co., machsts. & fndrs., Urbana, Ill.

Leavitt, W. C. Co., cornices & skylights, Norway, Me.
Leavitt & Hayes, contrs., New Britain, Conn.
Leaw Bros., contractors, Ocean Grove, N. J.
Lebam Mill & Timber Co., lumber, Lebam, Wash.
Lebanon Boiler Works, Lebanon, Pa.
Lebanon Chain Wks., Lebanon, Pa.
Lebanon Engineering & Supply Co., Lebanon, Pa.
Lebanon Fertilizer Wks., Lebanon, Pa.
**Lebanon Gear & Machine Works, machinists & founders, 17th & Forge, Lebanon, Pa.** *See adv index at end of book.*
Lebanon Iron Co., Lebanon, Pa.
Lebanon Lumber Co., Lebanon, Ky., & Lebanon, Ore.
Lebanon Mach. Co., electricians' drills & auger bits, Lebanon, N. H.
Lebanon Milling Co., flour, Lebanon, Pa.
Lebanon Nov. Co., toys, Lebanon, Pa.
Lebanon Paper Co., San Francisco, Cal.
Lebanon Pressed Brick Co., Lebanon, Ohio.
Lebanon Steel Foundry, Lebanon, Pa.
Lebanon Stove Co., fndrs., Lebanon, Pa.
Lebanon Stove Co., Pottstown, Pa.
Lebanon Valley Iron & Steel Co., Lebanon, Pa.
Lebanon Woolen Mills, woolen blankets, Lebanon, Tenn.
Le Baron, E. L., Foundry Co., Brockton, Mass.
**Lebby Engng Co., elec. light plants & projections, Charleston, S. C**
Lebeck, Leander, contractor, Astoria, Ore.
Lebedjeff, V. V., Eng. & Supply Co., machinery dirs., 227 Fulton, New York.
Lebeis, Edward H., architect, 2 W. 45th, New York
Leber, Edward, architect, York, Pa.
Lebknecher, L., cornices & skylights, Belleville, Ill.
Le Blanc, C. J., fndrs., Franklin, La.
Le Blond, R. K., Machine Tool Co., Cincinnati, Ohio.
Lebo, E. N., contrs., Harrisburg, Pa.
Lebran Co., air compressors, Phila., Pa.
Le Brun, P. L., archit., 111 Joralemon, Brooklyn, N. Y.
Lebzelter, P., & Son Co., rims, bows & shafts mfrs., Lancaster, Pa.
Leck, H. A. Co., contractors, 2511 5th, Minneapolis, Minn.
Leck, Jas., Co., contractors, 311 S. 7th, Minneapolis, Minn.
Le Clair, Fred, lbr., Waterford, Vt.
Leclaire Cabinet Wks., plumbers' woodwork, Edwardsville, Ill.
Leclaire Mfg. Co., fndrs., Edwardsville, Ill.
Le Claire, Marcisse & Co., graphite W. Quincy, Quincy, Mass.
Le Compte Mfg. Co., auto tire holders, bridle bits, 44 Elm, Newark, N. J.
Lecomte & Co., tin cans, Wolcott, Brooklyn, N. Y.
Le Coney, Wm. G., architect, Moorestown, N. J.
Le Count, Wm. G., clamps, wrenches, mandrels, etc., So. Norwalk, Conn.
**Lecouteur Bros. Stair Mfg. Co., 4523 Shaw av, St. Louis, Mo.**
Lecroix, Wm., brick, Colfax, La.
Ledbetter & Greathouse, contractors, Austin, Tex.
Leddell Metals Co., babbit, 281 Borden av, Long Island City, N. Y.
Ledder & Probst, engng. instruments, 21 Pearl, Boston, Mass.
Leddy & Moore, contractors, 105 W. 40th, New York.
Ledebrink, Fred C., architect, 615¼ Hampshire, Quincy, Ill.
Leder Oil Co., Demopalis, Ala.
Lederer Bros. Co., screw mach. products, 100 Stewart, Providence, R. I.
Lederer, S. & B., Co., silver novelties, 100 Stewart, Providence, R. I.
Lederer, Sam'l & Son, fertilizer mfrs., New Brunswick, N. J.
Lederle, Robt. B., steel structural dies, Witherspoon Bldg., Phila., Pa.
Ledger, Jno., stone producer, Ravenrock, N. J.
Ledlie, David B., & Son, contractors, Saratoga Springs, N. Y.
Lednum, J. F., canned goods, Preston, Md.
Lednum, R. I., & Co., canned goods, Pocomoke City, Md.
Ledoux, Augustus D., sulphur ores, 15 William, New York.
Ledoux, J. W., 112 N. Broad, Phila., Pa.
Ledoux & Co., assayers & chemists, 99 John, New York.
Le Doyen, Frank J., Co., metal polish, 827 Mangold, Baltimore, Md.
Lee, Benj., archl. iron, 628 N. 5th, Phila., Pa.
Lees-Bradner Co., milling machines, Cleveland, Ohio.
Lee & Brinton, naval architects, Seattle, Wash.
Lee, Broom & Duster Co., Lincoln, Neb.
Lee Bros., agricultural implements, Watertown, S. D.
Lee Bros., lbr., Rhinelander, Wis.
Lee Canning Co., Hamilton, N. Y.
Lee Chair Co., Oneida, N. Y.
Lee, Chester A., canned goods, Easton, Md.
Lee-Colt Andreesen Hardware Co., Omaha, Nebr.
Lee, Conrad, sash, door & blinds, Wilkes-Barre, Pa.
Lee, D. J., contractor, Atlanta, Ga.
Lee, Edward B., architect, Chamber of Commerce Bldg., Pittsburgh, Pa.
Lee, Edw. F., Glass Co., 136 E. Fort, Detroit, Mich.
Lee, Edwin S., flour mills, Coshocton, Ohio.
Lee Elec. Co., desk tel, brackets, 219 N. Calvert, Baltimore, Md.
Lee, Frank H., Co., general contract machsts., Danbury, Conn.
Lee Fibre Co., Wadleys Falls, N. H.
Lee, Geo., masons' & bldrs.' matls., South Whitley, Ind.
Lee, Geo. E., cornices, Piqua, Ohio.



Lee, Geo. E., Co., gas governors, Caxton Bldg., Cleveland,
Lee, Geo. H., Co., insecticides, Omaha, Neb.
Lee, H. D., Flour Mills Co., Salina, Kans.
Lee, H. K., machst., Hartford, Conn.
Lee Hardware Co., Ltd., Salina, Kans., & Shreveport, La.
Lee, Harry C., & Co., sporting & athletic goods mfrs., 97 Chambers, New York.
Lee Htg. Co., steam htg. contr., 3536 B'way, New York.
Lee & Hewitt, architects, 1123 B'way, New York.
Lee & Hoff Mfg. Co., freight elev. & mach. wk., 65 E. Wat St. Paul, Minn.
Lee, James S., architect, 6 Beacon, Boston, Mass.
Lee, Jas W., architect, Seaboard Bk. Bldg., Norfolk, Va.
Lee, John D., soap, Denver, Colo.
Lee, L. F., Constr. Co., Oklahoma, Okla.
Lee, L. V., brick, Morenci, Mich.
Lee Lime Co., Lee, Mass.
Lea Loader & Body Co., motor truck trailers, etc., 2343 S. Salle, Chicago, Ill.
Lee Lbr. Co., Tioga, La.
**Lee & Lyman Lbr. Co., sash, door & blind mfrs., 2425 E. 1** Kansas City, Mo.
Lee, M. J., Drain Tile Co., Colfax, Ind.
Lee Marble Wks., Lee, Mass.
Lee Milling Co., flour, Toshes, Va.
Lee Paper Co., Vicksburg, Mich.
Lee & Porter Mfg. Co., machsts. & fndrs., Buchanan, Mich.
Lee, R. E., architect, Clemson College, S. C.
Lee Radtke Hardware Co., cornices & skylights, Baraboo, W
Lee, Rus., brick, Bellmore, Ind.
Lee, S. A., flour mills, Lexington, Va.
Lee Spring Co., 347 Classon av, Brooklyn, N. Y.
Lee, Stanton P., architect, 55 Third, Troy, N. Y.
Lee, Thos., ventilators, fireproof doors, etc., 129 W. 2d, cinnati, Ohio.
Lee, Thos. Co., architect, 1917 Clarendon, St. Louis, Mo.
Lee, Thos. P., contractor, 5629 Cherry, Philadelphia, Pa.
Lee Tire & Rubber Co., Conshohocken, Pa.
Lee, W. D., architect, Travelers' Bldg., Richmond, Va.
Lee, W. H., architect, Shamokin, Pa.
Lee W. H., wholesale hdwe., Sutton, W. Va.
Lee, W. J., hubs, carriage & wagon wheel, Arcadia, Mo.
Lee-Warren Milling Co., see Lee, H. D. Flour Mills Co. (s cessor).
Lee, William, knitted gloves, Needham Heights, Mass.
Lee, Wm. M., cotton batting, Athol, Mass.
Lee-Zurich Alloy Corp., white metals, 35 Calyer, Brooklyn, N
Leece-Neville Co., auto. starting devices, 5363 Hamilton Cleveland, Ohio.
Leech, Austin, architect, 214½ Texas, El Paso, Tex.
Leech, J. C., flour mills, Arden, Pa.
Leech Lake Lbr. Co., 1128 Plymouth Bldg., Minneapolis, M
Leech & Leech, architects, Lima, Ohio.
Leedom, W. F., masons' & bldrs.' matls., Bristol, Pa.
Leeds, Kyle W., show cases, Kansas City, Mo.
Leeds & Northrup Co., laboratory apparatus & supplies, 4 Stenton av, Philadelphia, Pa.
Leeds Packing Co., canned goods, Easton, Md.
Leefers, J. F., Co., contractors, Cedar Rapids, Ia.
Leeming & Uptown, archit, 381 4th av, New York.
Leenhouts & Guthrie, architects, 424 Jefferson, Milwaukee,
Leeper, A. S., architect, Kent, Wash.
Leerburger Bros., essential oils, 170 B'way, New York.
Lees, Daniel (Est. of), plushes, Glen Riddle, Pa.
Lees International Gas Governor Co., 128 N. Main, Provide R. I.
Lees, John, dies, machsts., etc., Indianapolis, Ind.
Lees Mfg. Co., cordage & twine mfrs., Westport, Conn.
Lees, R. E., contractor, 303 6th av, S. E., Minneapolis, Min
Lees, Wm., htg. contrs., 548 W. Washington, Chicago, Ill.
Leesburg Canning Co., Leesburg, Ohio.
Leesburg Lime Co., Leesburg, Va.
Leesville Coffin & Casket Co., Leesville, S. C.
Leesville Iron Wks., machsts. & fndrs., Leesville, La.
Leesville Oil Mill Co., meal, Leesville, S. C.
Leet, H., Lumber Co., Portsmouth, Ohio.
Leete, Chas. H., machsts. & fndrs., Potsdam, N. Y.
Leeton Lbr. Co., Leeton, Mo.
Leetonia Boiler Co., Leetonia, Ohio.
Leetonia Tool Co., cool mining tools, Leetonia, Ohio.
Leetsdale Fdy. & Mfg. Co., castings & patterns, Leetsdale,
Lefebure Ledger Co., loose leaf devices, Cedar Rapids, Ia.
Lefebvre, A. H., paper & pulp mills, Felts Mills, N. Y.
Le Fevre, A. P., masons' & bldrs.' matrls., New Paltz, N. Y.
Lefevre, Edw. Y., paper & pulp mills, Fallsburg, N. Y.
Leffel, James, & Co., turbine water wheels, engines, boilers, East St., Springfield, Ohio
Lefferts, Chas. A., & Co., machsts. & fndrs., 109 2d av, Brook N. Y.
Lefferts Galvanizing Wks., 508 E. 20th, New York.
Leffler, A., Co., fertilizer, Savannah, Ga.
Leffler & Bland, masons' & bldrs.' matls. contr., Marion, O
Leffler, Chas., & Co., mfrs. sheet metal workers machine tools, 59 Clymer, Brooklyn, N. Y.
*See adv index at end of book.*
Leffler, John A., contractor, Hazelton, Pa.
Leftwich, W. M., Co., contractors, Nashville, Tenn.

legalite Corp., auto, lamp lenses, 120 Boylston, Boston, Mass.
leger Mill Co., flour, Altus, Okla.
leger, Supplein J., bldg. contr., Fitchburg, Mass.
legg Brick Co., Calhoun, Ga.
legg, Fred. A., architect, Salem, Ore.
leggett & Bro., insecticide dusters, drug, paint, etc., spec., 301 Pearl, N. Y.
leggett, Clarence F., architect, 179 Troup, Rochester, N. Y.
leggett & Duryea, cement sidewalk name plates, Princeton, N. J.
leggett & Platt Spring Bed & Mfg. Co., Carthage, Mo.
leggett, Wm. T., Co., masons' & bldrs.' matls., 2621 Liberty, Pittsburgh, Pa.
legier, Mell & Son, masons' & bldrs.' matls., Valley Falls, Kans.
legler-Eilerman Co., white metal castings, Dayton, Ohio.
legnard, A. B., Co., plugs, Waukegan, Ill.
le Gore Combination Lime Co., Le Gore, Md.
le Goullon, P., roofing tile, 27th & Liberty, Pittsburgh, Pa.
le Grand Mine Drill Wks., Wilkes-Barre, Pa.
leh, A. W., architect, South Bethlehem, Pa.
lehde, H. E., surgical instruments, 8 S. B'way, St. Louis, Mo.
lehi Canning Co., Lehi, Utah.
lehigh Clay Product Co., Lehigh, Ia.
lehigh Coal & Nov. Co., 437 Chestnut, Phila., Pa.
lehigh Coal & Supply Co., masons' & bldrs.' matls., Hoboken, N. J.
lehigh Fire Brick Wks., Catasauqua, Pa.
lehigh Paper Mills, Inc., Pittston, Pa.
lehigh Portland Cement Co., Allentown, Pa.
lehigh Sewer Pipe & Tile Co., Fort Dodge, Ia.
lehigh Star Bedding Co., mattresses, Allentown, Pa.
lehigh Stone Co., Kankakee, Ill.
lehigh Stoker Co., mechanical stokers, Fullerton, Pa.
lehigh Stove & Mfg. Co., Lehighton, Pa.
lehigh Structural Steel Co., Allentown, Pa.
lehigh Thermometer Co., Catasaqua, Pa.
lehigh Univ., engng. school & coll., South Bethlehem, Pa.
lehigh Valley Cornice Wks., Bethlehem, Pa.
lehigh & Wilkes-Barre Coal Co., anthracite, Wilkes-Barre, Pa.
lehlbach, Edward, architect, 507 5th av, New York.
lehle, Louis, brewery architect, 3810 B'way, Chicago, Ill.
lehmaier, Schwarts & Co., tin foil, 207 E. 22d, New York.
lehman Bros., elec. portables & hollow ware, 10 Bond, New York.
lehman Bros., babbitt metal, solders, smelters, etc., Hoboken, N. J.
lehman, Chas. T., machy. dlr., Birmingham, Ala.
lehman, Edward A., architect, 40 Cedar, New York
lehman, Ludwig, jewelry cases, 72 Beekman, New York.
lehman, Max, Metal Co., scrap metal, 507 Newark, Hoboken, N. J.
lehman Mfg. Co., grey iron castings, Cannelton, Ind.
lehman & Schmitt, architects, Electric Bldg., Cleveland, Ohio.
lehman, Wm. E., architect, 738 Broad, Newark, N. J.
lehmann, J. M., Co., cocoa & chocolate machy., 101 Varick, New York.
lehmann Mch. Co., engine lathes, 606 S. B'way, St. Louis, Mo.
lehmann & Schaefer, machsts. & fndrs., 321 Palmetto, Brooklyn, N. Y.
lehn & Fink, disinfectants & tooth paste, 120 William, New York.
lehne-Miller Co., willow ware mfrs., Liverpool, N. Y.
lehne, Rudolph, willow ware mfrs., 109 2nd, Liverpool, N. Y.
lehnert & Co., machsts. & fndrs., 334 E. 23rd, New York.
lehon Co., waterproofing materials, etc., 4451 S. Oakley av, Chicago, Ill. *See adv. index at end of book.*
lehr Agricultural Co., Fremont, Ohio.
lehr, H., & Co., pianos, Easton, Pa.
leibfried, C. H., blacksmiths tongs, iron staples & pipe hooks, 97 Guernsey, Brooklyn, N. Y.
leibig, Chas. P., contractor, Ashland Pa.
leibold Gott Bldg. Co., contrs., 134 E. 4th, Cincinnati, Ohio.
leich Elec. Co., lightning arresters, switchboards & transmitters, Genoa, Ill
leidecker Tool Co., Marietta, Ohio.
leidich, W. H., htg. contrs., Pottsville, Pa.
leidigh & Havens Lbr. Co., R. A. Long bldg, Kansas City, Mo.
leies, J. & Son, pianos, 1956 Larrabee, Chicago, Ill.
leif Buggy Co., Attica, Ind.
leigh Banana Case Co., baling presses, 2230 S. Union av, Chicago Ill.
leigh & Butler, tex. machy., supplies, etc., 232 Summer, Boston, Mass.
leigh Chemical Co., Allentown, Pa.
leigh, J. W., architect, Odd Fellows Bldg, St. Louis, Mo.
leigh, John, Co., cotton waste, 241 A, Boston, Mass.
leighton, A. J., contractor, Lorain, Ohio.
leighton, Arthur, Co., wood acids, Methol, N. Y.
leighton, H. J., machsts., Syracuse, N. Y.
leighton, H. N., & Co., contractors, 127 S. 10th, Minneapolis, Minn.
leighton Mach. Co., winders, Manchester, N. H.
leighton-Mitchell Co., contractors, 95 Milk, Boston, Mass.
leighton Supply Co., plumbers, mill & facty. supplies, jobbers, Fort Dodge, Ia.
leikauf Packing Co., meat packers, Ft. Wayne, Ind.
leiman Bros., machy., 81 Walker, New York
leimann, Wm., & Bro., contractors, 2303 Clifton, Cincinnati, Ohio.
Leinbaugh, W. F., masons' & bldrs.' matls., Iowa City, Ia.
Leiper, Callender I., stone producers, Chester, Pa.
Leiper, E., stone producers, Chester, Pa.
Leiper, G. A., & Co., masons' & bldrs.' matls., Little Rock, Ark.
Leipold, Gustave H., architect, 160 Martin, Milwaukee, Wis.
Leippe's, Jacob A., Sons, carriage & wagon shafts, poles & wheels, Reading, Pa.
Leipzig, A., porch shades, wires, willow, etc., baskets, 127 W. 17th, New York.
Leisen, John H., fire clay, Woodbridge, N. J.
Leisenring, L. M., architect, 1320 N. Y. av, N. W., Washington, D. C.
Leiser & Holst, architects, Germania Bldg., Milwaukee, Wis.
Leising, Jos. F., & Co., masons' & bldrs.' matls., Chicago Heights, Ill.
Leister, Frank H., masons' & bldrs.' matls., North Wales, Pa.
Leistner, Paul, Sons Mfg. Co., plumb bobs, St. Charles, Mo.
Leisure Packing Co., canned goods, Elwood, Ind.
Leisy-Patton Co., screw machines, 7033 St. Clair av, Cleveland, O.
Leitch, J. N., Co., auto. bodies, Amesbury, Mass.
Leitchfield Milling Co., flour, Leitchfield, Ky.
Leitelt, Adolph, Iron Works, iron forgings, Grand Rapids, Mich.
Leitelt Bros., brass fndrs., 7731 S. Chicago, Chicago, Ill.
Leiter, E. T., & Sons, contractors, Call Bldg., San Francisco, Cal.
Leitner, Frank V., contractor, Scranton, Pa.
Leitz, Ernest, condensers, photo-micrographic app., etc., 30 E. 18th, New York.
Leix, Joseph W., contr., Ottawa, Ill.
Lekko Soap Co., 925 S. Wells, Chicago, Ill.
Leland Bros. Co., mill & factory supplies, 304 E. 3d, Los Angeles, Cal.
Leland Equipment So., see Worden, W. H. (successor).
Leland Fruit & Packing Co., canned goods, Leland, Wash.
Leland-Gifford Co., crank shafts & drilling machines, Worcester, Mass.
Leland, H. G., lumber, McClellanville, S. C.
Leland, Joseph D., architect, 185 Devonshire, Boston, Mass.
Leland, M. J. O., architect, 185 Devonshire, Boston, Mass.
Leland, Stanford, Jr., Univ., engng. school & coll., Stanford University, Cal.
Le Laurin, A. A., machst. & fndr., Pine Bluff, Ark.
Lelong, L., & Bro., smelters & refiners, 345 Halsey, Newark, N. J.
Lema Mattresses Co., Lema, O.
Lemann, B., & Bro., masons' & bldrs.' matls., Donaldsonville, La.
Lembke, Chas. F., architect, Valparaiso, Ind.
Lemcke, Meyer, Novelty Co., 4931 Carthage av, Cincinnati, Ohio.
Leming, M. E., Lumber Co., Cape Girardeau, Mo.
Lemke, E., contractor, Albuquerque, N. M.
Lemke Elec. Co., 509 Cedar, Milwaukee, Wis.
Lemkin, S., mill & factory supplies, 172 Center, New York.
Lemmer, Fredk., architect, Irvington, N. J.
Lemmerman & Hoffman Granite Co., Mount Airy, N. C.
Lemmers Umbrella Co., 39 The Arcade, Cleveland, Ohio.
Lemon Milling Co., flour, Bedford, Ind.
Lemoyne Brass Fdry, Lemoyne, Pa.
Lempert, Leon H., & Son, architects—theatre, Cutler Bldg., Rochester, N. Y.
Lena Casket & Supply Co., Lena, Ill.
Lenahan, Frank, & Son, machy., scrap iron, etc., 53 Fulton, Buffalo, N. Y.
Lenahan, J. B., stone, granite, 140th & Rider av, New York.
Lenahan, R., & Co., ship bldrs., Kingston, N. Y.
Lenderking, P. H., Jr., cornices, Linwood av & Dillon, Balto., Md.
Lendrim, H. C., Co., cornices, Paterson, N. J.
Lenehan, Pat. H., contractor, Malden, Mass.
Lengacher, Wm., cornices, 2046 Larrabee, Chicago, Ill.
Lengel, Jonathan D., contractor, Wayne, Pa.
Lenges, Philip, Iron Wks., 309 E. 122d, New York.
Lengfelt, F. H., & Co., dyes & dyestuffs, 100 Maiden la, New York.
Leng's, John S., Son & Co., syphon pumps, 33 Murray, New York.
Lenhart, I. S., masons' & bldrs.' matls., Hamburg, Pa.
Lenhart, J. J., cotton waste, 236 N. Delaware av, Philadelphia, Pa.
Lenhart Wagon Co., machsts. & fndrs., 2600 University av, Minneapolis, Minn.
Lenherd, C. M., willow ware mfrs., 21 Welcher, Rochester, N. Y.
Lenker, Frank K., & Co., machsts., Millersburg, Pa.
Lenmar Mfg. Co., baling presses, Saginaw, Mich.
Lennan, John, Son Co., contractors, Niagara Falls, N. Y.
Lennane Bros., contractors, Union Trust Bldg., Detroit, Mich.
Lennig, Chas., & Co., acetic acid, ores, etc., 112 S. Front, Philadelphia, Pa.
Lennon, Adelbert J., contractor, Watervliet, N. Y.
Lennon, Jas. E., Lime & Cement Co., 352 Church, San Fran., Cal.
Lennox Chemical Co., liquid carbon dioxide, 1205 E. 55th, Cleveland, Ohio.
Lennox Furnace Co., Marshalltown, Ia.
Lennox, Jos. W., contractor, New Orleans, La.
Lennox Mach. Co., corn mills, 2558 W. 16th, Chicago, Ill.
Lenoir Mills, Inc., flour, Lenoir, N. C.
Lenoir Oil & Ice Co., Kingston, N. C.
Lenox, Inc., domestic china, Trenton, N. J.
Lenox Brick Co., Cliffwood, N. J.
Lenox Building Supply Co., 27 Clinton, Newark, N. J.

Lenox Knitting Wks., sweaters, cardigans, etc., 400 Nostrand av, Brooklyn, N. Y.
Lenox Mfg. Co., machsts., Catasauqua, Pa.
Lenox Motor Car Co., 18 Columbus av, Hyde Park, Mass.
Lenox Sawmill Co., Lenox, Ky.
Lenox Shear Co., Brookfield, Conn.
Lenox Sprayer Mfg. Co., 302 8th av, New York
Lens Co., cereal foods, 3d av & Ross, Pittsburgh, Pa.
Lensed Elec. Shade Co., 101 Warren, New York.
Lensing Bros., masons' & bldrs.' matls., Evansville, Ind.
Lentz, Chas., & Sons, surgical & dental instruments, 33 S. 17th, Philadelphia, Pa.
Lentz, Hy., fndr., Mount Pleasant, Pa.
Lentz, Robt. A., contractor, Freeland, Pa.
Lentz-Schebler Co., variable speed transmission, Indianapolis, Ind.
Lenwil Sawmill Co., Monroe, La.
Lenz Apparatus Co., glass quartz, 9 E. 16th, New York.
Lenzen, Theo. W., architect, Humboldt Bk. Bldg., San Fran., Cal.
Leo, Jas., Co., paper & pulp mills, 231 Varick, Jersey City, N. J.
Leo, John P., architect, 770 St. Nicholas av, New York.
Leola Mach. Co., Leola, Pa.
Leoma Gin & Fertilizer Co., Leominster, Mass.
Leominster Hardware Co., Leominster, Mass.
Leominster Shell Goods Mfg. Co., celluloid combs, hair brushes, etc., Leominster, Mass.
Leona Mills Lbr. Co., Leona, Ore.
Leonard, B. A., contractor, 4170 Mad Anthony, Cincinnati, Ohio.
Leonard & Baker Stove Co., Taunton, Mass.
Leonard-Bundy Elect. Co., rheostats, switches, switch boards, etc., 433 Champlain av, Cleveland, Ohio.
Leonard, Chas., Hardware Co., Petersburg, Va.
Leonard Co., masons' & bldrs.' matls., Albany, N. Y.
Leonard Construction Co., 332 S. Michigan, Chicago, Ill.
Leonard, Elizabeth, architect, Abbott Bldg., Cambridge, Mass.
Leonard, F. B., contr., Albany, Ga.
Leonard, F. B., & Co., neck yokes, Metropolis, Ill.
Leonard, F. J., contractor, Lewis Bldg., Portland, Ore.
Leonard, G. Francis, architect, 5 Beekman, New York.
Leonard Hi-Oven Range Co., stove mfrs., Cedar Rapids, Ia.
Leonard, J. J., contractor, Phelan Bldg., San Francisco, Cal.
Leonard, J. M., machsts. & fndrs., Osterville, Mass.
Leonard, J. N., & Co., contractors, 902 Chapel, New Haven, Conn.
Leonard & Lally, cornices & skylights, Maysville, Ky.
Leonard & McCoy, mill & facty. supplies, 161 Washington, New York.
Leonard Mach. Wks., 1222 Race, Philadelphia, Pa.
Leonard Machy. & Tool Co., Inc., 609 S. Paulina, Chicago, Ill.
Leonard Mfg. Co., dinner pails, Scranton, Pa.
Leonard, Peterson & Co., laboratory wodo work, 1234 Fullerton, Chicago, Ill.
Leonard, Rodney W., architect, Rea Bldg., Terre Haute, Ind.
Leonard Rooks Co., shower bath valves, 486 Broad, Providence, R. I.
Leonard Sheet Metal Wks., Hoboken, N. J.
Leonard, Thos. F. Co., whol. hdwe., Scranton, Pa.
Leonard Tractor Co., Detroit, Mich.
Leonardis, Peter, & Sons, scrap iron, rubber, etc., 57 River, Newark, N. J.
Leonardt & Peck, contractors, 356 S. Spring, Los Angeles, Cal.
Leonhardt, Chas., machinist, New Ulm, Minn.
Leonhardt, Louis, rubber stamps & stencils, 111 Warren, New York.
Leonhardt Wagon Mfg. Co., 417 E. Saratoga, Baltimore, Md.
Leopold Desk Co., Burlington, Ia.
Leopold, J. & Co., china imptrs. & jobbers, 101 Hanover, Baltimore, Md.
Leopold, J., & Co., paving contractors, Woolworth Bldg., New York
Leousi, Clonney & Co., chamois imp. & sponges, 39 Walker, New York.
Lepley, Matthew G., architect, 3509 New Hampshire av, Washington, D. C.
Le Poidevin, A., & Co., granite producers & wkrs., 286 5th av, New York.
Lepper & Laisy, contractors, 356 S. Broadway, Los Angeles, Cal.
Leppert, Chas. H., machst., Hartford, Conn.
Leppin, Wm. F., architect, 1335 St. Marks av, Brooklyn, N. Y.
Lerch Bros., harness & saddlery mfrs., 114 Hanover, Baltimore, Md.
Lerch, F. J., & Co., contractors, Easton, Pa.
Lercher, A., trunk mfrs., 435 Broome, New York.
Lerio Patent Cup Co., Mobile, Ala.
Le Roi Co., gas engines—Mitchell & Co., 60th av, Milwaukee, Wis.
Le Roy Canning Co., Le Roy, N. Y.
Leroy Plow Co., Leroy, N. Y.
Le Roy, Rockwell A., architect, Kalamazoo, Mich.
Leroy Salt Co., Leroy, N. Y.
Lesch, Henry & Co., contrs., Washburn, Ill.
Leschen, A., & Sons Rope Co., 920 N. 1st, St. Louis, Mo.
Lescher, J. G., Constr. Co., 4237 Linton av, St. Louis, Mo.
Lescher & Kibbey, architects, Pheonix, Ariz.
Lescher, T. H., architect, 920 Monroe, Topeka, Kans.
Lesh, C. P., Paper Co., pads & tablets, Indianapolis, Ind.
Lesh & Matthews Lumber Co., 140 S. Dearborn, Chicago, Ill.
Lesher & Roess, stone producers, Oil City, Pa.



Lesinski-Leszezynski Co., contractors, 715 Forrest av, Detroit, Mich.
Lesley & Trinkle Co., masons' & bldrs.' matls., Penna Bldg., Philadelphia, Pa.
Leslie Co., machsts. & fndrs., Lyndhurst, N. J.
Leslie, Elliott & Co., boilers, caissons, stills, tanks, etc., Paterson, N. J.
Leslie, Jno., carved mouldg. & blind mfrs., 138 W. 15th, New York.
Leslie, John, Paper Co., 3d av S. & 5th, Minneapolis, Minn.
Leslie Sheet Metal Works, Bristol, Tenn.
Leslie & Tracy, Inc., heating contrs., 1790 B'way, New York.
Le Sourd, A., & Sons, sashes, doors & blinds, Bellefontaine, Ohio.
Lesselyong Hardware Co., Ironwood, Mich.
Lesser, Chas. L., architect, West Allis, Wis.
Lesser & Schutte, architects, 221 Grand av, Milwaukee, Wis.
Lessig, Geo. B., Co., iron & steel rolling mills, Pottstown, Pa.
Lessig, Geo. D., & Son, agricultural implements, Reading, Pa.
Lessig, J., cornices & skylights, East Stroudsburg, Pa.
Lessig, John, & Son, common brick, Grand Rapids, Wis.
Lessley, A. L., soap, Lebanon, Pa.
Lester, A. W., meat packers, Albany, N. Y.
Lester Clay Co., Jacksonville, Fla.
Lester Co., aluminum solder, Fayetteville, N. Y.
Lester Piano Co., 1308 Chestnut, Philadelphia, Pa.
Lester-Ricks Oil Co., Byromville, Ga.
Lester & Wasley Co., machsts. & fndrs., Norwich, Conn.
Lestershire Lumber & Box Co., Lestershire, N. Y.
Lestershire Spool Mfg. Co., spools, Lestershire, N. Y.
Le Sure-Fuller Co., landscape architects, Peoria Life Bldg. Peoria, Ill.
Lesueur, W. D., & C. H., brick, Nashville, Tenn.
Letcher, R. J., & Son, plumbers' supplies—jobbers, 191 Morgan, Jersey City, N. J.
Letellier, F., & Co., lbr. mfrs., Grand Rapids, Mich.
Letteney, C. F., contractor, 11 Central, Boston, Mass.
Lettes, A. C., Mfg. Co., stove polish, Kansas City, Mo.
Letts, E. M., stove pipe mfrs., Waverly, N. Y.
Letts, R. G., lumber, Bannister, Mich.
Letts, W. T., Box & Cooperage Co., St. Joseph, Mo.
Letz Mfg. Co., agricultural implements, Crown Point, Ind.
Letzgus, Anton A., Jr., architect, Bailey Bldg., Phila., Pa.
Leuckel, A. K., & Co., sash, doors & blinds, Trenton, N. J.
Leukart, J., Co., lock mortising machines, 44 E. Columbus Columbus, Ohio.
Leupold & Voelpel, scientific instruments—water level recorders 107 E. 70th N., Portland, Ore.
Leuton Brick Co., 25th & Passy'k av, Philadelphia, Pa.
Lentwiller Bros., machsts. & fndrs., Highland, Ill.
Leutwiler, J. H., machsts. & fndrs., Trenton, Ill.
Leutz, C. F., Sons, handles (wood), Maryville, Ohio.
Le Valley, Frank J., contractor, Lockport, N. Y.
Le Valley-McLeod-Kinkaid Co., plumbers' supplis, Elmira, N. Y
**LE VALLEY VITAE CARBON BRUSH CO.**, carbon brushes 531 W. 23rd, New York. *See adv. index at end of book.*
Levandowski, Peter, contractor, Lafayette, Ind.
Levaur System Constr. Co., Inc., portable vldgs., 50 Broad, New York.
Levensaler-Speir Corp., magnesite & manganese, Monadnock Bldg., San Francisco, Cal.
Le Veque Construction Co., 108 Jeff, Detroit, Mich.
Lever Coil Spring Co., Monadnock Bldg., San Francisco, Cal.
Lever, Oswald, Co., textile machy., supplies, etc., 13th & Cumberland, Philadelphia, Pa.
Leverer, J. S., & Co., cornices, Saginaw, Mich.
Leveridge, Chas. W., elec. & gas light fixtures, fire alarm signal boxes, lamp guards, etc., 133 Liberty, New York.
Levering Mfg. Co., sash weights, castings, etc., 210 Key Highway, Baltimore, Md.
Levering & Garrigues Co., machsts., fndrs., steel & iron wks. 552 W. 23d, New York.
Leveson, S., scrap iron, 13 Center, Jersey City, N. J.
Levesque, J. T., & Co., architects, Great Falls, Mont.
Levett, Walker M., Co., fndrs., 417 E. 23d, New York.
Levey, Fred H., Co., inks, 59 Beekman, New York.
Levi, B., & Co., scrap iron, brass & copper, Scranton, Pa.
Levi, Benjamin, machy., tools, etc., 355 W. Broadway, New York
Levi, Louis, architect, Continental Bldg., Baltimore, Md., & Real Estate Tr. Bldg., Philadelphia, Pa.
Levi, M. A., scrap rubber, Rochester, N. Y.
Levick's, Richard, Son & Co., mill & facty. supplies, 720 Chestnut, Philadelphia, Pa.
Levien, Louis, Cut Glass Co., 164 5th av, New York.
Levin, Kroneneberg & Co., sash, door & blind mfrs., Van Sinderen av, Brooklyn, N. Y.
Levin, Wm., sweaters, cardigans, etc., 204 Canal, New York.
Levine, A., & Co., scrap iron, 1461 S. State, Chicago, Ill.
Levine, Abram, carbons, black diamonds, etc., 12 John, New York *See adv index at end of book*
Levine & Co., sweaters, bath'g suits, etc., 291 Essex, Bklyn, N. Y.
Levine Contr. Co., 332 S. Michigan av, Chicago, Ill.
Levine, P., & Co., umbrella handles, 247 Center, New York.
Levingson, S., architect, 405 Lexington av, New York
Levinson Packing Co., meat, Newport News, Va.
Levinson, Schubb & Caplan, scrap iron & steel, 35 Pride, Pittsburgh, Pa.
Levinstein, I., & Co., aniline colors, 74 India, Boston, Mass.

thal Plumbing Supply Co., 1637 W. Div., Chicago, Ill.
s, Henry & Co., railroad equipment (second hand), Com. Trust Bldg., Philadelphia, Pa. *See adv. index at end of book*
son & Blythe Mfg. Co., 209 Locust, St. Louis, Mo.
an, Benj. W., architect, 7 W. 45th, New York.
on, Morton, architect, 53 W. Jackson blvd., Chicago, Ill.
, A., mfr. of uniform caps, also cloth hats & caps, 693 Mission, San Francisco, Cal.
, Albert D., fndrs., Cleveland, Ohio.
, Alex. L., architect, 28 N. Clark, Chicago, Ill.
& Clarke, architects, Germania Bldg., Savannah, Ga.
, Emilio, archit., 331 Madison av, New York.
M. & Co., plbrs. supplies, 2125 S. State, Chicago, Ill.
, Max & Co., cullet, 845 Rees, Chicago, Ill.
& Merzbach, advert. nov. & spec., 1255 B'way, New York.
Rice Milling Co., 448 Julia, New Orleans, La.
, Robt., Co., cigar cutters, 119 Sussex, Newark, N. J.
, S., duster mfr., 618 New Market, Phila., Pa.
Wm., architect, Arcade Bldg., St. Louis, Mo.
ld, F., & Co., garment hangers, 500 S. Wells, Chicago, Ill.
ry, L. J. & Co., Inc., engnrs.' supplies, 12 Battery pl, New York
s Packing Co., canned goods, Lewes, Del.
n, A. M., Lbr. Co., Bank & McLean, Cincinnati, Ohio.
n, Frank C., contr., 618 12th, N., Washington, D. C.
s, Albert William, architect, 2 E. 41st, New York
, A. E., architect, Miami, Fla.
& Bennett Hardware Co., whol. hardware, Wilkes-Barre, a.
Bros., Co., contractors, Nashville, Tenn.
& Burroughs Co., contrs., Schenectady, N. Y.
Canning Co., Westport, Cal.
, Chas. C., Co., whol. hardware, Springfield, Mass.
Comyn, mattresses, Charleston, W. Va.
Contr. Co., 327 1st, Pittsburgh, Pa.
County Canning Assn., Chehalis, Wash.
, D. C., architect, Couch Bldg., Portland, Ore.
, D. W., Co., masons' & bldrs.' mtls., 24 Milk, Cambridge, lass.
& Davis, steam htg. contrs., 412 E. 31st, Kansas City, Mo.
& Dick, contrs., Zanesville, Ohio.
& Dougherty, architects, 35 N. Dearborn, Chicago, Ill.,
Danville, Ill.
Drilling Compound Co., Sauquoit, N. Y.
E. J., machst., Middleport, N. Y.
, Edwin B., architect, Lansdowne, Pa.
, Edwin J., Jr., architect, 9 Park, Boston, Mass.
& Egginton, machsts. & fndrs., Meserole, Brooklyn, N. Y.
Electric Welding & Mfg. Co., Toledo, Ohio.
& Ellery, architects, Reno, Nev.
Engng. & Supply Co., mill supplies, Bakewell bldg, Pittsurgh, Pa.
F. C., canned goods, Hopkins, Va.
F. H., lumber, ties, poles, posts, 636 Lumber Exch. Bldg., linneapolis, Minn.
F. J., Mfg. Co., roofing materials, Moline, Ill.
Felling Mach. Co., blind stitch sewing machy., 3763 Forest ark Blvd., St. Louis, Mo.
File Mfg. Co., Beach City, Ohio.
Foundry & Mach. Co., Farmers Bank bldg, Pittsburgh, a.
G. B., Co., bee keepers' supplies, Watertown, Wis.
Geer Mfg. Co., children's vehicles, Ypsilanti, Mich.
Geo. A., contractor, 1115 Midland av, Syracuse, N. Y.
H., Co., boiler compounds, 832 Washington blvd, Chigo, Ill.
Hall Iron Wks., Ferry av & G. T. Ry., Detroit, Mich.
Hardware Co., Rhinelander, Wis.
Harry I., lbr. mfrs., 62 Beaver, New York.
Hy. B., steel struct. wk., Ferry av & G. T. Ry., Detroit, ich.
I. M., architect, Congress bldg, Detroit, Mich.
Ion, archit., Wilcox Bldg., Portland, Ore.
Institute, engng. schools & coll., Chicago, Ill.
J. E., architect, New Philadelphia, O.
J. L., photographic paper, 522 6th av, New York
J. P., Co., jute boards, paper & pulp mills, Beaver Falls, Y.
J. R., machst. & fndr., Weatherford, Tex.
Jno. D., aniline colors, dyes, starch, etc., 63 Charles, ovidence, R. I.
John L., contractor, Binghamton, N. Y.
John T., & Bros. Co., color mfrs. & imptrs., Lafayette dg., Phila., Pa.
Jos. E., pipe bends & coils, 1218 Warner, Baltimore, Md.
Lumber Co., Asbury Park, N. J
Machine Co., straighteners & cutters, 6303 Central, Clevend, Ohio.
Mfg. Co., cotton, Walpole, Mass.
Mfg. Co., milk & cream coolers, Cortland, N. Y.
Mfg. Co., lbr. mfrs., Bay City, Mich.
Mirt E., htg. contrs., Binghamton, N. Y.
Motor Mfg. Co., auto & marine engines, Fastoria, Ohio
& Neville Mfg. Co., carriages, Goshen, Ind.
Robt., Co., car curtains, Richmond & Brill, Phila., Pa.
& Roth Co., switches, 13th & Wood, Philadelphia, Pa.

Lewis Run Mfg. Co., acetate of lime, wood alcohol, etc., Bradford, Pa.
Lewis, Sam'l, janitors' supplies, 73 Barclay, New York.
Lewis-Shepard Co., elevating trucks, 577 East 1st, Boston 27, Mass. *See adv. index at end of book*
Lewis, Slocum & Lefevre Co., paper & pulp mills, Beaver Falls, N. Y.
Lewis Spring & Axle Co., Chelsea, Mich.
Lewis, Stanford B., architect, Stephen Girard bldg, Phila., Pa.
Lewis Steam Specialty & Valve Co., 1533 Cherry, Phila., Pa.
Lewis Steel Products Co. See Toledo Steel Products Co. (successors).
Lewis, Tom, fertilizer mfrs., Sacramento, Cal.
Lewis-Weller Mfg. Co., bed & coil or spiral springs, Utica, N. Y.
Lewis, Wiley & Morse, contractors, Seattle, Wash.
Lewis, Wm. A., common brick, Knox, Ind.
Lewis-Wilson-Hicks Co., lumber, Glasgow, Ky.
Lewis & Valentine Co., landscape architects, 47 W. 34th, New York
Lewisburg Chair Co., Lewisburg, Pa.
Lewisburg Foundry Co., Lewisburg, Tenn.
Lewisburg Mill & Elevator Co., flour, Lewisburg, Tenn.
Lewisburg Stone Co., Lima, Ohio.
Lewisport Mill Co., flour, Lewisport, Ky.
Lewiston Handle Co., Lewiston, Me.
Lewistown Foundry & Mach. Co., Lewistown, Pa.
Lewisville Canning Co., Lewisville, Ind.
Lewthwaite, Geo. A., Co., machsts. & fndrs., 116 Walker, N. Y.
Lewthwaite, T. H. Mach. Co., 413 E. 31st, New York.
Lewy Chemical Co., camphor, 26 E. 22d, New York.
Lexington Brick Co., Lexington, Ky.
Lexington Engine & Boiler Works, Lexington, Ky.
Lexington Flouring Mills, Lexington, Mo.
Lexington-Howard Co., automobile bldrs., Connersville, Ind.
Lexington Instrument Wks., calorimeters & machsts., Lexington, Richmond Co., Ohio.
Lexington Mfg. Co., cotton sheetings & tickings, Lexington, S. C.
Lexington Mill & Elevator Co., feed, flour, Lexington, Neb.
Lexington Roller Mills Co., feed, flour, Lexington, Ky.
Lexington Triumph Press Brick Co., Lexington, Mo.
Ley Constr. Co., house bldg., Pittsburgh, Pa.
Ley, E. T. Co., contractors, 1024 Main, Bridgeport, Conn.
Ley, Fred. T., & Co., Inc., general contractors, 499 Main, Springfield, Mass., 185 Devonshire, Boston, Mass., 19 W. 44th, New York.
Ley, H., & Co., iron, Lincoln av, Cincinnati, Ohio.
Ley, Jno., machsts. & fndrs., Bradford, Pa.
Leyare Boat Works, Ogdensburg, N. Y.
Leybold Smith Shingle Co., lbr., Tacoma, Wash.
Leyden-Orsterfen Co., constractors, 53 W. Jackson, Chicago, Ill.
Leygrand & Co., aluminum for airplanes, 120 B'way, New York
Leyland, Thos., & Co., aniline colors, textile machy., etc., Readville, Boston, Mass.
Leyner, J. Geo., Engng. Wks. Co., pneumatic pile drivers, Littleton, Colo.
L'Hommedieu, Chas. F., & Sons Co., platers' & polishers' supplies, 24 S. Clinton, Chicago, Ill.
L'Hommedieu's, J. H., Son & Co., contractors, 132 Madison av, New York.
Lian, Henry S., archit., 512 5th av, New York.
Libbey Glass Co., Toledo, Ohio.
Libbey, H. S. & Co., contractors, 46 Cornhill, Boston, Mass.
Libbey, W. S., Co., woolen carriage cloth, Lewiston, Me.
Libby, C. A., Co., stable fixtures, feed truck mfrs., etc., Oshkosh, Wis.
Libby, Chas. A., lbr., Sanders, Idaho.
Libby, E. D., & Son, contractors, Portland, Me.
Libby, E. & Sons Co., lumber mfrs., Gorham, N. H.
Libby-Harlow & Co., collars, 250 Devonshire, Boston, Mass.
Libby, J. H., Co., contractors, 4500 Euclid av, Cleveland, Ohio.
Libby & Libby Co., contractors, 244 2d av S, Minneapolis, Minn.
Libby Lbr. Co., Minneapolis, Minn.
Libby-McNeill & Libby, canned goods, 300 W. S. Water, Chicago, Ill., & Honolulu, Hawaii.
Libby, T., & L. D. Co., contractors, Temple ct, Minneapolis, Minn.
Liberman, M., bags & bagging, 11 Lewis, New York.
Liberman Mfg. Co., cigar machy., 248 N. 8th, Phila., Pa.
Liberty Bell Co., auto bells, 428 Arc, Cleveland, Ohio.
Liberty Brand Canning Co., Dover, Del.
Liberty Brass Works, automobile specialties, etc., 557 Quincy, Chicago, Ill.
Liberty Brass Works, machsts. & fndrs., 305 W. Lombard, Baltimore, Md.
Liberty Coppersmithing Co., 170 N. Howard st, Phila., Pa.
Liberty Cut Glass Wks., Egg Harbor City, N. J.
Liberty Elec. Co., incandescant elec. lamps., 543 4th, Pittsburgh, Pa.
Liberty Fdry. Co., grey iron castings, 7600 Vulcan, St. Louis, Mo.
Liberty Glass Sign Co., 543 4th av, Pittsburg, Pa.
Liberty Hoisting Engine Co., 283 Hudson, New York.
Liberty Incandescent Light Co., 7 Chatham sq, New York
Liberty Iron Pipe & Nipple Wks., 138 Center, New York
Liberty Iron Wks., 462 10th av, New York.
Liberty Lbr. Co., Willow, Ark.
Liberty Machine Tool Co., Hamilton, Ohio.

Liberty Machine Tool & Die Co., machsts., 1206 S. Grove, Irvington, N. J.
Liberty Mfg. Co., flue cutters, 6905 Susquehanna, Pittsburgh, Pa.
Liberty Milling Co., flour, Liberty, N. C.
Liberty Mills, flour, Nashville, Tenn.
Liberty Mirror Wks., hand, 6615 Kelly, Pittsburgh, Pa.
Liberty Motor Car Co., Ft. Lycaste av, Detroit, Mich.
Liberty Paper Co., sealing machs., 52 Vanderbilt av, New York.
Liberty Screw Co., Inc., screw mach. prod. cap & set screws, 30 N. Warren Foster, Worcester, Mass.
Liberty Shipbuilding & Transport Co., concrete barges, Cleveland, Ohio.
Liberty Steel Products Co., 233 Broadway, New York.
Liberty Stove Co., machsts. & fndrs., 308 Chestnut, Phila., Pa.
Liberty Tool & Production Co., machsts., Dayton, Ohio
Liberty Tractor Co., Minneapolis, Minn.
Libman Constr. Co., 112 W. 46th, New York.
Libman, Wm., corn brooms, 1229 W. Grant av, Chicago, Ill.
Library Bureau, 43 Federal, Boston, Mass.
Licata, A., architect, 324 E. 14th, New York
Licht, Adam, contractor, 80 Alyea, Newark, N. J.
Licht, Geo. A., architect, 126 E. 38th, New York.
Lichtenstein's, L., Sons, fish nets, Richmond, Va.
Lichtman, S., & Son, second hand bags, 9 Randall, Buffalo, N. Y.
Lichty, B. F., & Son Co., cupolas, barns, cornices & skylights, Waterloo, Ia.
Lick Branch Coal Co., Coxton, Ky.
Licking Window Glass Co., Utica, Ohio.
Liddell Co., saw mill machy., agric'l implements, mill & facty. supplies, Charlotte, N. C.
Liddell, G. J., canned goods, Liberty Grove, Md.
Lidderdale, A. E., machst., Junction City, O.
Liddle, Frank M., gasoline filters, 3021 S. Michigan Blvd., Chicago, Ill.
Lidgerwood Mfg. Co., steam & elec. hoists, etc., 96 Liberty, New York. *See adv. index at end of book.*
Lidgerwood Co-op. Milling Co., flour, Lidgerwood, N. D.
**LIDSEEN, GUSTAVE,** machst. & engine oilers, etc., 832-840 So. Central av, Chicago, Ill. *See adv. index at end of book*
Liebau, Hans, architect, Fulton, Jamaica, N. Y.
Liebbe, Nourse & Rasmussen, architect, Utica Bldg., Des Moines, Iowa.
Liebel-Flarsherm Co., transformers, 410 Home, Cincinnati, Ohio.
Lieber, H., & Co., incandescent light chem., 14 Platt, New York.
Lieberman, Jos. L., Iron Co., scrap iron, 110 S. Dearborn, Chicago, Ill.
Lieberman, Loveman & O'Brien, lumber, Nashville, Tenn.
Lieberman & Sanford Co., architect'l & ornament. iron, 623 W. 57th, New York.
Lieberman Trunk Co., Saginaw, Mich.
Liebert, Hans T., architect, Wausau, Wis.
Liebert & Liebert, architects, 425 E. Water, Milwaukee, Wis.
Liebhardt, Wm. L., & Co., flannels, blankets, woolen, Middletown, Ind.
Liebig, Wm., & Co., mchsts., 96 Leland, Detroit, Mich.
Liebke, C. F. Hardware Mills & Lbr. Co., 2d & Buchanan, St. Louis, Mo.
Liebke Lbr. Co., Inc., Plaquemine, La.
Liebman, Ernest F., contractor, Fort Wayne, Ind.
Liebmann, R., Mfg. Co., metal buttons, 73 Bruen, Newark, N. J.
Liebrick, Fred., concrete sockets, Monadnock Bldg., Chicago, Ill.
Liebstein, J., & Sons, scrap iron & steel, 1226 Broad, Newark, N. J.
Liebstein, T. B., scrap iron & steel, 72 Chestnut, Newark, N. J.
Liedberg, Hugo J., architect, 154 W. Randolph, Chicago, Ill.
Lieker, Fred'k, contractor, Chattanooga, Tenn.
Leisch, Pierre A., architect, 213 Lexington av, Pittsburgh, Pa.
Liese & Ludwick, architects, Danville, Ill.
Liese Lumber Co., Belleville, Ill.
Liesinger, R. T. G., machsts., Ellicott sq. Buffalo, N. Y.
Lietz, A., Co., engineers' chronometers, 61 Post, San Francisco, Cal.
Life Saving Devices Co., 710 W. Madison, Chicago, Ill.
Liggett, J W., & Son, machy. dlrs., 601 W. 5th, Kansas City, Mo.
Liggett Spring & Axle Co., Monongahela, Pa.
Light, A. L., scrap iron, Punxsutawney, Pa.
Light Draft Harrow Co., machsts. & fndrs., Marshalltown, Ia.
Light Finder Sales Corp., pull chain bulbs, 162 W. 34th, New York.
Light Mfg. & Foundry Co., castings mfrs., Pottstown, Pa.
Light Railway Equipment Co., Commercial Tr. Bldg., Phila., Pa.
Lighthiser, C. H., canned goods, 602 William, Baltimore, Md.
Lightman, M. A., Co., contrs., Nashville, Tenn.
Lightner Bros., contractors, Cedar Rapids, Ia.
Lightner, N., granite producers, Gettysburg, Pa.
Lightning Letter Opener Co., Rochester, N. Y.
Lightning Mfg. Co., belt dressing, Orchard & Lordsdale, Philadelphia, Pa.
Lightning Mfg. Co., compounds, Cornish Flat, N. H.
Lightning Studio Co., elec. illuminated signs, 220 W. 42nd, New York.
Lightolier Co., elec. light fixtures, 569 B'way, New York.
Lignell, A. Werner, architect, Alworth Bldg., Duluth, Minn.
Lignistra Fibre Products Co., paper & pulp mills, Barberton, O.
Lignum Chem. Wks., sawdust, Morgan av, Brooklyn, N. Y.
Ligonier Carriage Co., Ligonier, Ind.



Ligonier Lbr. Co., Ligonier, Pa.
Liken & Bach, lumber, Sebewaing, Mich.
Liken, John C., & Co., mill feed, Sebewaing, Mich.
Likly, Hy., & Co., trunks, traveling bags, Rochester, N. Y.
Likly & Rackett Trunk Co., 1365 Euclid av, Cleveland, Ohio
Liles Bros., spokes, Forest, Miss.
Lilien & Charyn, hdwe. & plbrs'. supplies, 430 W. B'way, York.
Lilienthal Crockery Co., Atlanta, Ga.
Liljequist, W. A., contr., Freeport, Ill.
Lillard Milling Co., flour, Decatur, Tex.
Liller, W. A., contrs., plg. mill, etc., Keyser, W. Va.
Lilley, M. C., & Co., military goods, 6th & Long, Columbus, O.
Lillie, Dexter P., Co., cotton waste, Indian Orchard, Mass.
Lillie Granite Co., Montpelier, Vt.
Lillie, O. E., brooms, Hiawatha, Kans.
Lilliston, Morris, & Co., lbr., Accomac, Va.
Lilly, Arthur L., machsts., Rixford, Pa.
Lilly Bros. Foundry, Los Angeles, Cal.
Lilly Carriage Co., Memphis, Tenn.
Lilly, Chas. H., Co., fertilizer mfrs., Seattle, Wash.
Lilly, Eli, & Co., pharmaceuticals, Indianapolis, Ind.
Lilly-Fletcher Co., contrs., 756 S. B'way, Los Angeles, Cal.
Lilly Hardware Co., 114 E. Washington, Indianapolis, Ind.
Lilly Varnish Co., Indianapolis, Ind.
Lillyblad, Gust., lime mfrs., Red Wing, Minn.
Lily Cup Co., 120 B'way, New York.
Lima Brass Fdry, Lima, Ohio.
Lima Cleaning Mach. Co., hand vacuum cleaners, Lima, Ohi
Lima Cut Stone Co., Lima, Ohio.
Lima Locomotive Corp., locomotive bldrs., 106 3rd, Iima, O
Lima Metals Fdry. Co., Lima, Ohio.
Lima Packing Co., meat packers, Lima, Ohio.
Limbacher Paint & Color Wks., 162 E. 35th, New York.
Limback Lumber Co., Cedar Rapids, Ia.
Limberg Enameling Co., sinks, etc., Florence av, Cincinnati
Limbert, Chas. P., Co., mission lamps, Holland, Mich.
Limbert, Geo. B., & Co., pipe fittings, 558 Fulton, Chicago,
Limeburner, J. E., Co., optical instruments, 1720 Chestnut, I adelphia, Pa.
Limerick, J. Arthur, Co., name plates, 960 N. Howard, B more, Md.
Limestone Mfg. Co., lbr., Limestone, Fla.
Limestone Mills, cotton sheetings, Gaffney, S. C.
Limeton Lime Co., Limeton, Va.
Limoges China Co., Sebring, Ohio.
Limousine-Carriage Mfg. Co., auto. bodies, 3515 S. Michigan Chicago, Ill.
Linch, T. O., masons' & bldrs.' matls., Flovilla, Ga.
Linck, Jacob H., wholesale hdwe., Williamsport, Pa.
Lincoln Advtg. Co., novelties, Lincoln, Neb.
Lincoln Archl. Iron Co., Rockaway, N. J.
Lincoln Auto. Top Co., Lincoln, Neb.
Lincoln Bonding Co. See Rail Welding & Bonding Co., (successor).
Lincoln & Boss Lumber & Coal Co., masons' & bldrs.' mat Willimantic, Conn.
Lincoln Casket Co., Lincoln, Ill.
Lincoln, Chas. H., architect, 6 Park av, Worcester, Mass.
Lincoln Coal & Coke Co., bituminous, Scottdale, Pa.
Lincoln Cornice & Metal Wks., Lincoln, Neb.
Lincoln Cotton Mills Co., Evansville, Ind.
Lincoln Creek Lumber Co., Centralia, Wash.
Lincoln Electric Co., electric welding machines, dynamo motors, 149 B'way, New York, & Cleveland, Ohio.
Lincoln Feed & Fuel Co., paste, Lincoln, Neb.
Lincoln Fixture & Supply Co., metal polish, Lincoln, Neb.
Lincoln Gas & Electric Light Co., Lincoln, Neb.
Lincoln, Geo. H., Co., machsts. & fndrs., 191 Old Colony S. B., Boston, Mass.
Lincoln, Ill., Collar Co., Lincoln, Ill.
Lincoln Iron Wks., Rutland, Vt.
Lincoln, J. N., & Son, contrs., Ware, Mass.
Lincoln, L., & Co., paper & pulp mills, North Dighton, Mas
Lincoln Metal Products Co., elec'l horns, Lincoln, Ill.
Lincoln Milling Co., flour, Lincolntown, N. C.
Lincoln Mills, Inc., flour, Lincoln, Neb.
Lincoln Monument Co., stone producers, Lincoln, Ill.
Lincoln Motor Co., Warren & Livermois, Detroit, Mich.
Lincoln Packing Co., meat, Lincoln, Neb.
Lincoln Paint & Color Co., Dallas, Tex.
Lincoln Paint & Color Co., floor polish, Lincoln, Neb.
Lincoln Paper Co., Lincoln, Neb.
Lincoln Paving Block Co., Canton, Ohio.
Lincoln Rail Welding Co., rail joints, etc., Williamson F Cleveland, Ohio.
Lincoln Rubber Co., druggists' sundries, Akron, Ohio.
Lincoln State School & Colony, willow ware mfrs., Lincoln,
Lincoln Steel & Forge Co., roller bearings, underframes, trucks, etc., 5701 Natural Bridge av, St. Louis, Mo.
Lincoln Storage Battery Co., Troy, N. Y.
Lincoln Stove Co., Fremont, Ohio.
Lincoln Tent & Awning Co., Lincoln, Neb.
Lincoln Tool Co., machinists, Dayton, Ohio.
Lincoln Twist Drill Co., cutters, drills, reamers, etc., Tau Mass.
Lind, C. E., contractor, Bellingham, Wash.

ad, J., contractor, Galva, Ill.
ad, Wm., contractor, Henry Bldg., Portland, Ore.
adahl, Hy., Mach. Co., 954 W. Lake, Chicago, Ill.
adale Canning Co., Lindale, Tex.
adale Mills, box boards, North Adams, Mass.
adauer-O'Connell Co., wood pulp, Little Rapids, Wis.
adauer Pulp Co., Kaukauna, Wis.
adbeck, Chas., contractor, Jamestown, N. Y.
adblad, K. F. M., elec. fixtures, 65 Sudbury, Boston, Mass.
adbland, Emil, contr., Joliet, Ill.
ade Air Products Co., oxygen mfrs., 42d St. Bldg., New York.
*See adv index at end of book.*
ade & Griffith Co., contractors, ft. 4th av, Newark, N. J.
adell Die & Tool Co., Lansing, Mich.
ademan & Sons Piano Co., 599 11th, New York.
ademan Wood Finish Co., Shelbyville, Ind.
ademann, A. J., & Hoverson Co., stoves, Milwaukee, Wis.
ademann, O., & Co., animal cages, etc., 35 Wooster, New York.
ademans, Henry J., architect, McKeesport, Pa.
ademuth Engng. Co., heating contrs., York, Pa.
aden Co., glass stainers, 1216 S. Michigan av, Chicago, Ill.
aden Construction Co., Duluth, Minn.
aden Lumber Co., Linden Heights, Ohio.
adenberg Piano Co., Columbus, Ohio.
adenhurst Mfg. Co., button mfrs., Lindenhurst, N. Y.
adenschmidt Co., archl. iron, machsts, etc., Evansville, Ind.
ader Grader Co., road machs., Matthews, Ind.
ader, H. J., machy., 50 Church, New York.
derman Steel & Mach. Co., Muskegon, Mich.
dermann Box & Veneer Co., Eau Claire, Wis.
dgren Co., contractors, Monadnock Bldg., San Francisco, Cal.
dholm Metal Stamping Co., lubricators, oil & grease cups, Camden, N. J.
dke, John, contr., Medina, N. Y.
dl, Joseph, architect, Kenosha, Wis.
dley, Arthur G., architect, Wright & Call bldg, Los Angeles, Cal.
dley Box & Paper Co., coin wrappers, Marion, Ind.
dley, Chas. D., machsts. & fndrs., Olympia, Wash.
dley, Geo. W., tex. machy. (lace machines), (winders hosiery), 5122 Wakefield, Gtn., Philadelphia, Pa.
dley Mfg. Co., mosquito netting, Tusculum & A, Phila., Pa.
dley, Thomas F., drain tile, Kempton, Ind.
dley, W. H., Co., gasoline strainers, Canastota, N. Y.
dner, P. S., & Co., masons' & bldrs.' matls., Sandwich, Ill.
dner & Vradenburgh, machsts. & fndrs., textile machy., 239 Centre, New York.
dow, W. J., machinist, Napa, Cal.
quist, Fred'k F., architect, 179 W. Washington, Chicago, Ill.
dsay, Andrew, architect, 37 Liberty, New York.
dsay Bros., agricultural implements, 78 Reed, Milwaukee, Wis.
dsay Chaplet & Mfg. Co., Harrison bldg, Phila., Pa.
dsay, D. M., wagon & carriage spokes, Newport, Tenn.
dsay, F. L., architect, Long Beach, Cal.
dsay, Hyde & Co., machsts., 2130 E. York, Philadelphia, Pa.
dsay, J. C., Hardware Co., 12 8th, Pittsburgh, Pa.
dsay, J. L., mill & facty. supplies, 1321 E. Main, Richmond, Va.
dsay, James, architect, Bridgeport, Ohio.
dsay, Jas. G., & Co., steel struct. dlrs., Commercial Trust Bldg., Philadelphia, Pa.
dsay, John C., & Co., fndrs., Burlington, N. J.
dsay Light Co., mantles, 161 E. Grand av, Chicago, Ill.
dsay Lbr. Co., Miami, Fla.
dsay Mfg. Co., handles—wood, Ottumwa, Ia.
dsay, W. W., & Co., Inc., engnrs. & contrs., steel structural wk., Harrison bldg, Phila., Pa.
dsay, Wm. A., machsts. & brass fndrs., Krame & Wilde, Phila., Pa.
dsay, Wm. P., lime, Texas, Md.
dsay Wire Weaving Co., 14025 Aspinwall, Cleveland, Ohio.
dsborg Milling & Elevator Co., Lindsborg, Kans.
dsey, Geo., architect, Greenville, Tex.
dsey, Jas. C., Hardware Co., 12 8th, Ptg., Pa.
dsey, John, Lumber Co., Laurel, Miss. & Pollard, Ala.
dsay Lbr. Co., Miami, Fla.
dsey, Robinson, & Co., flour mills, Roanoke, Va.
dsey Wagon Co., log skidders, etc., Laurel, Miss.
dskog Auto Carriage & Wagon Wks., 3522 Vinc av, Chicago, Ill.
dsley Bros. Co. (The), ties, poles & posts, cross arms, etc., see Spokane, Wash.
dsley, Hy. A., gaskets, 1610 W. 116th, Cleveland, Ohio.
dsley, John N., steam fitters' supplies, Orange, N. J.
dstrom Die, Tool & Gauge Works (Inc.), special machinery & tools, Bridgeport, Conn.
dstrom-Handforth Lumber Co., Tacoma, Wash.
dstrom, John T., experimental work & re-boring cylinders, Allentown, Pa.
dstrom & Oren, contractors, Billings, Montana.
dstrom Ship Building Co., Aberdeen, Wash.
dstrom-Smith Co., elec. cooking app., 3212 W. Lake, Chicago, Ill.
e-a-Time Mfg. Co., copy holders, Rochester, N. Y.

Line Material Co., guy anchors & wire connectors, pole line, hdwe., etc., South Milwaukee, Wis.
Linebaugh, W. A., flour mills, Clinton, Tenn.
Linebury Fdry. & Mach. Co., North Wilkesboro, N. C.
Linehan, Chas., contractor, Cambridge, Mass.
Linemen Protector Co., shields, shoes & cross arm protectors, Penobscot Bldg., Detroit, Mich.
Linen Thread Co., twine, etc., 96 Franklin, New York.
Linenfelser Brick & Tile Co., Maybee, Mich.
Lineograph Co., duplicators, 112 Fulton, New York.
Lines, Flynn Co., railway & contrs. equipment, 30 Church, New York.
Lines, H. Wales, Co., masons & bldrs.'—contrs., Meriden, Conn.
Lingerman Bros., brick, Brownsburg, Ind.
Lingham, John, contr., Starling, Ill.
Lingle Mfg. Co., elec. cable hangers, Clinton, Mo.
Lingo-Leeper Co., masons & bldrs.' matls., Denison, Tex.
Lingo, R. D., & Co., canned goods, Dagsboro, Del.
Lingsweiler, J. G., flour mills, Lebanon, Mo.
Linhart, S. A., sash, door & blind, Bloomdale, Ohio.
Linhoff, Peter J., architect, Guar. Life bldg, St. Paul, Minn.
Linihan, M. E., machinist, Kalamazoo, Mich.
Link, A. F., architect, 407 N. Craig, Ptg., Pa.
Link, Anthony, Sons, contractors, 654 South av, Rochester, N. Y.
Link Belt Co., 329 W. 39th, Chicago, Ill., & Hunting Park av & P. & R. Ry., Philadelphia, Pa.
*See adv index at end of book.*
Link Belt Supply Co., 410 S. 3d, Minneapolis, Minn.
Link Chain Co., Williamsport, Pa.
Link, David C., & Co., oils & tallow, Produce Exch., New York.
Link, H. W., contractor, Dallas, Tex.
Link, J., & Son, cornices & skylights, 1918 East, Pittsburgh, Pa.
Link Mfg. Co., babitt ladles & grain elevators, Kansas City, Mo.
Link Mfg. Co., grease cup lubricators, Kansas City, Mo.
Link Milling Co., flour, Springfield, Mo.
Link, Newcomb Mill & Lumber Co., Bentonia, Miss.
Link, Theodore C., & Wilbur T. Trueblood, archts., Carlton bldg, St. Louis, Mo.
Linkard Haire, architect, Daly Bank Bldg. (branches at Helena, Billings & Lewiston), Butte, Mont.
Linke, T., water portable filters, 235 W. 46th, New York.
Linkenheil Planing Mill Co., 182 E. Columbus, Columbus, Ohio.
Linker, Wm., Co., contractors, 831 Cherry, Philadelphia, Pa.
Linkman, M., & Co., pipes, 323 Wells, Chicago, Ill.
Linn-Benton Fruit Growers' Assn., canned goods, Albany, Ore.
Linn County Lumber & Coal Co., masons' & bldrs.' matls., Cedar Rapids, Ia.
Linn, John N., architect, 300 12th, Brooklyn, N. Y.
Linn Mills Co., twine, Landis, N. C.
Linn, V., & Son, carriages, 49 Bergen, Brooklyn, N. Y.
Linney, W. T., cornices, Fort Plain, N. Y.
Lino Paint Co., 16908 Waterloo rd, Cleveland, Ohio.
Linograph Co., machy., Davenport, Ia.
Linsell Co., contractors, 370 Fort W., Detroit, Mich.
Linstrom, R. S., architect, 171 W. Washington, Chicago, Ill.
Linstroth Wagon Co., 2616 Chouteau av, St. Louis, Mo.
Lin-Stun Co., switch bases, 5010 Gloster, Pittsburgh, Pa.
Linthicum, Hill C., & H. Colvin, architects, Durham, N. C.
Linton Collieries Co., Fletcher Trust bldg, Indianapolis, Ind.
Linton & Co., gold & plumbers' solder, etc., 95 Pine, Providence, R. I.
Linton Mach. Co., 26 Cortlandt, New York.
Linton Mill Co., rivet, Linton, Ind.
Lintz, Henry, & Son, Fort Branch, Ind.
Lineville Graphite Co., Lineville, Ala.
Linville Lime Co., Linville, Va.
Linwood Construction Co., Marine Nat. Bk. Bldg., Buffalo, N. Y.
Linwood Quarries Co., Davenport, Ia.
Lion Buggy Co., auto. truck trailers, etc., C. H. & D. R. R., nr. Gest, Cincinnati, Ohio.
Lion Hardware Co., Springfield, Ohio.
Lion Match Co., Inc., safety matches, 91 Grand, New York.
Lion Tractor Co., engines, 638 Sec Bk. Bldg., Minneapolis, Minn.
Lion Varnish Wks., Glendale Station, N. Y.
Lionel Mfg. Co., elec. toys, games & nov., 48 E. 21st, New York.
Lipe, W. C., machsts., Syracuse, N. Y.
Lipe & Walrath Co., 208 S. Geddes, Syracuse, N. Y.
Lipman Refrigerator Car & Mgr. Co., pumps, Beloit, Wis.
Lippard-Stewart Motor Car Co., Buffalo, N. Y.
Lippe & Co., picture frame moulding, 329 E. 29th, New York.
Lippe Contrg. Co., 52 Vanderbilt av, New York.
Lippert, E. T., Saw Co., Millvale, Pa.
Lippert, F. G., architect, 5 Beekman, New York
Lippert & Rhenstrom, machsts., Kenosha, Wis.
Lippincott, A. C., high pressure boilers, East Orange, N. J.
Lippincott, A. H., & F. H., soda water fountains, 24th & Locust, Philadelphia, Pa.
Lippincott, Clement G., masons' & bldrs.' matls., Salem, N. J.
Lippincott Co., canned goods, 42 Main, Cincinnati, Ohio.
Lippincott, Edwin, brick, Farmindale, N. J.
Lippincott Glass Co., arc lamp globes, etc., Greenwood Bldg., Cincinnati, Ohio.
Lippincott, Mrs. J. W., canned goods, Salem, N. J.
Lippincot, Thos. B., architect, 1505 Arch, Phila., Pa.
Lippman & Sugarman, chemists, 135 Stockton, San Fran., Cal.
Lippmann, Herbert, architect, 381 4th av, New York

Lippold Valve Co., Erie, Pa.
Lipscomb, H. G., & Co., wholesale hdwe., Nashville, Tenn.
Lipscomb, Wm. P., & Co., contractors, National Bank bldg, Washington, D. C.
Liptak, John N., architect, 753 5th av, New York
Liquid Carbonic Co., pneu. spray brushes, 3100 S. Kedzie av, Chicago, Ill.
Liquified Petroleum Gas Co., gasoline, Tulsa, Okla.
Liquornik, Herman, architect, 255 Concord, Brooklyn, N. Y.
Lisbon Cement Co., Lisbon, Ohio.
Lisbon Lime Co., Lisbon, Ohio.
Lisby & Masten, contractors, Coatesville, Ind.
Lisenby Mfg. Co., machinery, Fresno, Cal.
Lisk Mfg. Co. (Ltd.), baskets, cans, lanterns, etc., Canandaigua, N. Y.
Lisle Mfg. Co., machsts. & fndrs., Clarinda, Ia.
Lisotto, E., architect, 6413 Deary, Pittsburgh, Pa.
Lissa, Hy., & Co., trunk mfrs., 595 B'way, New York.
Lissberger, Marks, & Son, smelters & refiners, 281 Borden av, Long Island City, New York.
List, Alex., & Sons, contractors, Grand Cent. Term., New York.
List, E. J., Mfg. Co., clutch couplings, Havana, Ill.
List & Gifford Construction Co., Ry. Exch. Bldg., Kansas City, Mo.
List, J., & Son, soap, 1776 N. Hancock, Philadelphia, Pa.
List & Weatherby Contr. Co., Ry. Exch. Bldg., Kansas City, Mo.
Lister & Fee, archtl. & ornamental iron, 42 S. 8th, B'klyn, N. Y.
Lister's Agricultural Chem. Wks., glue, fertilizer mfrs., Lister av, Newark, N. J.
Listman Mill Co., wheat flour, La Crosse, Wis.
Litch, L. D., Building Co., 7 Berkeley, Lynn, Mass.
Litchfield Bros., lumber, North Vernon, Ind.
Litchfield Bros., masons' & bldrs.' matls., Flanagan, Ill.
Litchfield, Electus D., architect, 477 5th av, New York.
Litchfield Foundry & Machine Co., Litchfield, Ill.
Litchfield Mfg. Co., agricultural implements, Waterloo, Ia.
Litchfield, Metzner & Co., contractors, Louisville, Ky.
Litchfield, Orin E., granite, Fitchburg, Mass.
Litchfield Shuttle Co., tex. machy., supplies, etc., Southbridge, Mass.
Litchfield, Wm. E., lumber, 70 Kilby, Boston, Mass.
Litchfield Woolen Mills Co., Litchfield, Minn.
Litherland & Abrey Co., contractors, Beck Bldg., Portland, Ore.
Litho Stove & Machy. Co., 494 Broome, New York
Lithograph & Mfg. Co. of U. S., maps, 82 Duane, New York.
Litquick Gas Lamp Co., screw machine prod., 310 Conalle, Defiance, Ohio.
Lit-Silver Plbg. Supply Co., 109 Fallsway, Baltimore, Md.
Littejohn, L., & Co., crude rubber, 138 Front, New York.
Littell, F. J., Machine Co., power presses, 4125 Ravenswood av, Chicago, Ill. *See adv. index at end of book*
Littell, Geo. S., brick, Greensburg, Ind.
Litterer Bros. Mfg. Co., sinks & sheet metal goods, 154 Whiting, Chicago, Ill.
Littig Construction Co., Davenport, Ia.
Little, A. P., carbon paper, etc., Rochester, N. Y.
Little Androscoggin Water Power Co., cotton sheetings, Auburn, Me.
Little, Arthur D., Inc., chemists, 30 Charles River, Boston, Mass.
Little Chute Paper & Fibre Co., see Combined Locks Paper Co. (successor).
Little & Coffin Oil Co., Portland, Me.
Little & Craig, contrs., Gloversville, N. Y.
Little Falls Felt Shoe Co., Little Falls, N. Y.
Little Falls Fibre Co., wood felts, Little Falls, N. Y.
Little Falls Paper Co., Newburgh, N. Y.
Little, G. H., machsts., Peabody, Mass.
Little Giant Co., agr., implts. & clothes reels, Mankato, Minn.
Little Giant Mfg. Co., pruning shears, Saugatuck, Mich.
Little & Browne, architects, 70 Kilby, Boston, Mass.
Little Bros. Fdy. Co., Port Huron, Mich.
Little, Chas. H., Co., masons' & bldrs.' matls., Dock River Rouge, Detroit, Mich.
Little, Jos., spokes (wagon), Kennett, Mo.
Little Giant Punch & Shear Co., Sparta, Ill.
Little Giant Starter Co., auto self-starters, Canton, Ohio.
Little, J. H., tubs—butter, Arlington, Ia.
Little, J. R., Metal Wheel Co., Quincy, Ill.
Little, J. W., spokes, Paducah, Ky.
Little, Jno. J., lumber, Land Title Bldg., Philadelphia, Pa.
Little, M. S., Manufacturing Co., plumbers' supplies, Allyn & High, Hartford, Conn.
Little, Mathew A., contractor, 2640 Jackson, San Fran., Cal.
Little Mountain Oil Mill & Fertilizer Co., Little Mountain, S. C.
Little & O'Connor, architects, 103 Park av, New York.
Little & Phillips, contractors, Cordele, Ga.
Little & Preuss, advtg. signs, 309 E. 22nd, New York.
Little River Lumber Co., Star, N. C. & Townsend, Tenn.
Little River Redwood Co., Bulwinkle, Cal.
Little River Redwood Co., 112 Market, San Francisco, Cal.
Little Rock Furniture Mfg. Co., Little Rock, Ark.
Little Rock Lbr. Co., Little Rock, Ark.
Little Rock Mattress Co., Little Rock, Ark.
Little Rock Tent & Awning Co., Little Rock, Ark.
Little & Russell, architects, 45 Bromfield, Boston, Mass.
Little, Thos. A., water motors, Wheeling, W. Va.
Little, Thos., & Son, contractors, 1713 Moravian, Phila., Pa.

Little, Wm., concrete slag, Conshohocken, Pa.
Little Wolf River Lumber Co., Manawa, Wis.
Little & Zenzen, contractors, 284a Quail, Albany, N. Y.
Littlefield, H. A., & Co., armatures West Lynn, Mass.
Litlefield, R. W., contr., Oakland, Cal.
Littlefield, Sidney, lumber mfr., Centralia, N. Y.
Littlefield, Walter T., architect, 9 Hamilton pl, Boston, Mass.
Littleford Bros., steel tanks, etc., 444 E. Pearl, Cincinnati, C
Littleford, Geo., lbr., 1768 Central av, Cincinnati, Ohio.
Littlejohn, Odgers & Milne, granite, Barre, Vt.
Littleton Lbr. Co., sashes, doors & blinds, Littleton, N. H.
Littleton, T. R., & Son, machsts. & fndrs., Fredericktown, Mo
Littlestown Hdwe. & Fdry. Co., Littlestown, Pa.
Liver, C. B., & Co., refrigerators, Omaha, Neb.
Liveright Bros., file & rasp mfrs., 20th & Allegheny av, Phila Pa.
Livermore Falls Pulp Co., see Parker Young Co. (successor).
Livermore Fire Brick Co., Livermore, Cal.
Livermore Fire Brick Works, Niles, Cal.
Livermore, H. F., Co., mill & factory supplies, Cummingto Boston, Mass.
Livermore, Hy. H., lbr., Wilton, N. H.
Livermore, Homer F., Inc., bicycle & motorcycle tire pump metals & metal products, 85 Pearl, Boston, Mass.
Livermore & Knight Co., advg. spec., 36 Pine, Providence, R.
Livick, A. J., sash doors & blinds, Staunton, Va.
Living-Stone Co., bond concrete, Baltimore, Md.
Livingston, Jas., machsts. & fndrs., Marathon, N. Y.
Livingston, J. & Co., Inc., elec. contractors, 104 E 41st, Ne York
Livingston Lbr. Co., Buck, Texas.
Livingston Mfg. Co., machsts. & fndrs., Rockland, Me.
Livingston Radiator Corp., airplane radiator, 75th & Am sterdam av, New York.
Livingston Roller Mill Co., flour, Livingston, Tenn.
Livingstone Grain Co., Lowell, Mass.
Llewellyn & Doyle, machsts., Pearl & Hickory, Syracuse, N. Y
Llewellyn Iron Wks., mill & facty. supplies, Los Angeles, Cal.
Llewellyn, Jos. C., architect, 1st Nat. Bk. Bldg., Chicago, Ill.
Llewellyn, Ralph C., architect, 1st Nat. Bk. Bldg., Chicago, Il
Lloyd, A., centrifugal pumps & steam engines, Erie, Pa.
Lloyd Bros. Co., stone producers, W. Central & Auburs avs, To ledo, Ohio.
Lloyd, C. Howard, architect, Telegraph Bldg., Harrisburg, P
Lloyd Co., mill & facty. supplies, Everett, Wash.
Lloyd Construction Co., 860 Greenwood av, Detroit, Mich.
Lloyd-Garrett Co., elec. light fix mfrs., 15th & Locust, Phila., P
Lloyd, Geo. H., tin plate, metals, etc., 131 State, Boston, Mas
Lloyd, H., Bldg. & Constr. Co., Odd Fellows Bldg., St. Louis, M
Lloyd, J. E., & Sons, carriages, Rockford, Ohio.
Lloyd Mfg. Co., fireworks, 22 Park pl, New York.
Lloyd Mfg. Co., machsts. & fndrs., Menominee, Mich.
Lloyd Metal Co., Houston, Tex.
Lloyd & Moore Canning Co. see Allen & Moore Canning Co. (su cessors).
Lloyd, Percival N., landscape archt., Poughkeepsie, N. Y.
Lloyd, Richard G., & Co., contractors, Utica, N. Y.
Lloyd, Sam'l, & Co., lbr., Girard Bldg., Philadelphia, Pa.
Lloyd, T. C., contractor, Oxford, Ohio.
Lloyd, W. H. S., Co., wall paper jobbers, enamel, etc., 105 W 40th, New York.
Lloyd, W. H. S., Co., wall paper importers, 125 N. Wabash a Chicago, Ill.
Lloyd, Wm. G. & Co., loose leaf devices, 626 S. Clark, Chicag Ill.
Lloyd, Wm. M., Co., lumber, Ridge av, c. N. 29th, Phila., Pa.
Lloyds Packing Co., canned goods, Lloyds, Md.
L. & M. Rubber Co., gloves, Corrollton, Ohio.
Lobb, C. A., & Sons, masons' & bldrs.' matls., Devon, Pa.
Lobb, Perry & Co., roofing slate mfrs., Danielsville, Pa.
Lobdell Car Wheel Co., chilled rolls, etc., Wilmington, Del.
Lobdell, Emery, Mfg. Co., lumber, Onaway, Mich.
Lobee Pump & Machy. Co., East Buffalo, N. Y.
Lobenstein, Geo. J., architect, 230 Martense, Brooklyn, N. Y.
Lober Radiator & Mfg. Co., 128 11th, Toledo, Ohio.
Loberg Milling Co., flour, Nelsonville, Wis.
Lobinger, Martin, contractor, Youngstown, O.
Lobnitz Co., sash, door & blind, 1714-22 Cleneay av., Norwood, C
Lobo, Arthur, architect, S W. 33rd, New York
Locatelli, J. E., Co., contractors, 46 Cornhill, Boston, Mass.
Lochridge, H. H., architect, Long Beach, Cal.
Lock City Mfg. Co., sash, door & blind mfrs., Sault Sainte Mari Mich.
Lock, H. & A. Co., mach'y guards, 243 44th, Brooklyn, N. Y.
Lock Haven Fire Brick Co., Lock Haven, Pa.
Lock Haven Silk Co., umbrella cloth, Lock Haven, Pa.
Lock Joint Pipe Co., East Orange, N. J.
Lock-Lite Mfg. Co., waste & garbage cans, Battle Creek, Mic
Lock Rail Iron Bedstead Co., mchsts. & fndrs., Tacoma, Wash.
Lock-Stub Check Co., 253 36th, Brooklyn, N. Y.
Lockard, E. M., contractor, Indiana, Pa.
Locke, A. W. S., masons' & bldrs.' matls., Eldorado, O.
Locke & Black, fertilizer mfrs., Swedesboro, N. J.
Locke Coal Co., masons' & bldrs.' matls., Malden, Mass.
Locke Cotton Mills Co., Concord, N. C.
Locke, H. E., & Co., Inc., 225 Fourth av, New York.
Locke Insulator Mfg. Co., clamps, Victor, N. Y.

ke, John, contr., Greenwick, Conn.
ke, L. E., & Son, contractors, Lawrence, Mass.
ke Mach. Works, Bradford, Pa.
k, Moore & Co., Ltd., lumber, Westlake, La.
ke, R. A., flour mills, Lynchburg, Tenn.
**KE REGULATOR CO.,** engine stops, damper regulators, fire pump regulators, reducing valves, etc., mfrs., Salem, Mass.
*See adv index at end of book*
ke Steel Belt Co., Bridgeport, Conn.
ke, Stevens & Co., plumbers' supplies, jobbers, 94 Warrenton, Boston, Mass.
kett, A. M., & Co., Ltd., contractors, Houston, Tex.
kett Crimping Mach. Co., 77 Summer, Boston, Mass.
khart, Geo. L., archit., 417 S. Dearborn, Chicago, Ill.
khart, Geo. L., architect, Endicott Bldg., St. Paul, Minn.
khart, H. A., contractor, Chamber of Commerce Bldg., Birmingham, Ala.
khart-Hodge Co., guards & safety devices, White Bldg., Buffalo, N. Y.
khart Iron & Steel Co., McKees Rocks, Pa.
khart Oil & Gin Co., meal, Lockhart, Tex.
khart, R. James, pipe grips, 201 Millvale, Pittsburgh, Pa.
kland Lumber Co., Benson & Mill, Lockland, O.
kport Canning Co., Lockport, N. Y.
kport Central Sugar Refining Co., Lockport, La.
kport Chemical Works, Lockport, Ill.
kport Cotton Batting Co., Lockport, N. Y.
kport Fdries. Corp., malleable iron castings, Lockport, N. Y.
kport Glass Co., milk jars & bottles, Lockport, N. Y.
kport Machine Co., paper bag machinery, Lockport, N. Y.
kport Paper Co., Lockport, N. Y.
kport Textile Co., towels, Lockport, N. Y.
kward, Lynn G., architect, Caldwell, N. J.
kwood & Almquist, self winding clocks, 112 E. 19th, New York.
kwood, Arth. J., steel struct'l dlrs., 304 Hudson, New York.
kwood, Arthur G. C. (Medford), architects, Boston, Mass.
kwood Ash Motor Co., marine engines, Jackson, Mich.
kwood, B. F., masons' & bldrs.' matls., Lyons, N. Y.
kwood, Brackett & Co., soap, 222 State, Boston, Mass.
kwood, Chas. H., architect, 171 Westminster, Providence, R. I.
kwood Co., cotton sheetings, Waterville, Me.
kwood Co., wholesale hardware, 16 Reade, New York.
kwood, David T., stone producers, workers & dealers, 280 Broadway, New York.
kwood, Frank, architect, 121 Adams, Montgomery, Ala.
kwood, Gus, contractor, Paducah, Ky.
kwood, John B., cornices & skylights, North Manchester, Ind.
kwood & Strickland Co., sash, door & blind mfrs., 49th & Halsted, Chicago, Ill.
kwood, T. F., architect, Columbus, Ga.
Light Co., locomotive headlights, 139 S. East, Indianapolis, Ind.
mobile Co. of America, automobile bldrs., Bridgeport, Conn.
**OMOTIVE CRANE CO.,** Bucyrus, Ohio.
*See adv index at end of book.*
motive Finished Material Co., Atchison, Kans.
motive Stoker Co., 30 General Robinson, Pittsburgh, Pa.
motive Super Heater Co., mchsts., East Chicago, Ind.
motive Superheater Co., 30 Church, New York.
ist Pin Co., insulator & brackets, Front Royal, Va.
ge Mfg. Co., mchsts. & fdrs., So. Pittsburg, Tenn.
ge, Martin P., stone producers, wkrs. & dlrs., 532 W. 44th, New York.
ge & Shipley Machine Tool Co., Cincinnati, Ohio.
ge, W. F., masons' & bldrs.' matls., Monticello, Ill.
Bros., contractors, Dubois, Pa.
Hardware Co., Montgomery, Ala.
, Leopold, & Sons, masons' & bldrs.' matls., Morgan City, La.
ler, H. G., Co., soda water fountains, 151 E. 126th, New York.
le, Herman G., cornices, Troy, N. Y.
elholz Co., brass foundry, 170-182 Clinton, Milwaukee, Wis.
ler, A., Provision Co., Bennings, D. C.
ler, Louis J., telephone switchboards, 20 Fulton, New York.
ler, Otto, architect, 14 Jackson, Stapleton, N. Y.
ler, Theo. J. M., cornices & skylights, Toledo, O.
ler & Ladd, Inc., mill & factory supplies, Buffalo, N. Y.
ler, G. G., Co., contractors, Franklin Natl. Bank Bldg., Washington, D. C.
ing Aeronautical Engng. Corp., 45—11th, Long Island City, N. Y.
er, Anton, & Sons, store fixtures, Ashland, Pa.
ch, H. C., carriages, Colo. Springs, Colo.
ch, Jacob, willow ware mfrs., 742 Philadelphia av, Baltimore, Md.
cher, J., Tannery Co., harness lthr., Muskegon, Mich.
er, John, & Co., mattresses, 1625 Wabash av, Chicago, Ill.
ser, E., & Son, screw mach. prod., 48 Spring, Newark, N. J.
scher & Burch Mfg. Co., sash, door & blind mfrs., Des Moines, Ia.
scher-Ryan Mfg. Co., h'dwe specialties, Jones, Dubuque, Ia.
Mfg Co., bottle cleaning machy., etc., 9100 Madison av, N. W., Cleveland, O.
enbach, B., & Sons Co., loose leaf devices, 2005 Clybourn, Milwaukee, Wis.

Loewenberg & Loewenberg, architects, 29 S. La Salle, Chicago, Ill.
Loewenstein & Sons, wholesale hardware, Charleston, W. Va.
Loewenthal Co., scrap iron, steel & rubber, 23 Heyward, Brooklyn, N. Y.
Loewenthal,Gustav, Co., sash, door & blind, Middletown, Conn.
Loewer, John E., Wire & Iron Works Co., 914 Campbell, Kansas City, Mo.
Loew's, John A., Sons, cornices, Braddock, Pa.
Loffland Bros., machinists, Woodsfield, O.
Lofgren, Wm. R., architect, Quincy, Mass.
Lofquist, Jno., architect, 742 Market, San Francisco, Cal.
Loftus, John, contractor, 283 May, Worcester, Mass.
Loftus, Martin, brick, Jefferson, O.
Logan, A. F., & Co., contractors, Youngstown, O.
Logan, A. J., Co., mattresses, 29th & Liberty, Pittsburgh, Pa.
Logan Bros., contractors, Tampa, Fla.
Logan, C. A., architect, Beaumont, Tex.
Logan Carriage & Auto Co., Parkersburg, W. Va.
Logan Clay Product Co., Logan, O.
Logan Coal Co., bituminous, Harrison bldg, Phila., Pa.
Logan Coal & Supply Co., masons' & bldrs.' matls., Jacksonville, Fla.
Logan Constr. Co., 1428 Rockland, Phila., Pa.
Logan County Cotton Oil Co., Paris, Ark.
Logan, Edw., Mach. Co., machsts., Trenton, N. J.
Logan Fdry. & Machine Co., Logan, O.
Logan & Giertz Construction Co., Elgin, Ill.
Logan-Gregg Hardware Co., 121 9th, Ptg., Pa.
Logan Iron & Steel Co., rolling mills, St. Girard Bldg., Phila., Pa.
Logan Iron Wks., steel wk. & boilers, 54 Commercial, Brooklyn, N. Y.
Logan Bros., contractors, Clinton, Ia.
Logan, J. M., Lumber Co., Knoxville, Tenn.
Logan, J. W., & Sons Co., lumber, Parnassus, Pa.
Logan, John A. & W. B., masons' & bldrs.' matls., Paris, Ill.
Logan Machine & Mfg. Co., metal specialties, 222 S. Clinton, Chicago, Ill. *See adv. index at end of book*
Logan-Moore Lumber Co., R. A. Long Bldg., Kansas City, Mo.
Logan Pottery Co., Logan, O.
Logan, Swift & Brigham Envelope Co. Division, Worcester, Mass.
Logan & Whaley, cornices & skylights, Marshall, Tex.
Logan, Wm. S., masons' & bldrs.' matls., Paris, Ill.
Logansport Boiler & Mach. Wks., Logansport, Ind.
Logansport Carriage Works, Logansport, Ind.
Logansport Castings Co., Logansport, Ind.
Logansport Furniture Co., piano benches, Logansport, Ind.
Logansport Oxygen Co., Logansport, Ind.
Logansport Radiator & Equipment Co., Logansport, Ind.
Logansport Stone & Const. Co., Huntington, Ind.
Logeman, F. H., Chair Mfg. Co., 10th & Mulhanply, St. Louis, Mo.
Logeman Bros. Co., baling presses, 3130 Burleigh, Milwaukee, Wis.
Loggie, A. & R., canned goods, Columbia Falls, Me., & Island Pond, Vt.
Loggers Oil Equipment Co., fuel oil burners, 230 Ash, Portland, Ore.
Loggers & Contrs. Machy. Co., 70 4th, Portland, Ore
Logie, Jas., & Co., bags & bagging, 42 B'way, New York.
Logue, Chas., Building Co., 18 Tremont, Boston, Mass.
Logue James, contr., Wilmington, Del.
Lohman, H. J., architect, McKeesport, Pa.
Lohman, J. A., architect, Monessen, Pa.
Lohrey, Henry, meat packers, 2234 E. N. Side, Pittsburgh, Pa.
Lohrey & Moellering, meat pkrs., 2151 Kendel av, Cincinnati, O.
Lohrey Packing Co., meat, 2827 Mass., C. W., Cincinnati, O.
Lohse Brick Co., Common, Seattle, Wash.
Lohse, H., Co., cornices, Evansville, Ind.
Lohse, John, contractor, Winona, Minn.
Lohse, M., & Son, masons' & bldrs.' matls., Boonville, Mo.
Lohse Patent Door Co., St. Louis, Mo.
Loisel, Jos., sash, door & blind mfrs., Cloquet, Minn.
Loiseaux, Joshua D., Lumber Co., Plainfield, N. J.
Loma Prieta Lumber Co., New Bank Bldg., San Francisco, Cal.
Loma Ranch Co., canned goods, Fall Brook, Cal.
Lombard Brick & Tile Co., Lombard, Ill.
Lombard & Co., grindstones & pulp stones, 236 A, Boston, Mass.
Lombard Governor Co., Ashland, Mass.
Lombard Iron Works & Supply Co., Augusta, Ga.
Lombard, John T., lumber, Hastings, Mich.
Lombard & Ludwig, decorators, 309 14th, N. W., Washington, D. C.
Lombard Mach. Co., Worcester, Mass.
Lombard Traction Engine Co., mchsts., Waterville, Me.
Lombardi Constr. Co., Lincoln Bldg., Philadelphia, Pa.
Lombardi Motor Car Co., battery connectors, Derby, Conn.
Lomm Lbr. Co., Modoc Point, Ore.
Londeluis, C. A., & Sons Co., water heaters, wall ties, joist hangers, etc., 847 W. 63d, Chicago, Ill.
London Auto Supply Co., windshields, 2540 S. Wabash av, Chicago, Ill.
London, Geo. G., Mfg. Co., shoe counters, Lynn, Mass.
London Guarantee & Accident Co., employers' liability ins., 55 John, New York.

London Guarantee & Accident Co., insurance, 134 La Salle, Chicago, Ill.
London Knitting Mills, sweaters, cardigans, etc., 371 Quincy, Brooklyn, N. Y.
London Mfg. Co., masons' & bldrs.' mtls., London, Ky.
London, N., brass, copper, iron & steel scrap, 263 Front, New York.
London & Sack, electrotype metals, etc., 259 Front, New York.
London-Savannah Naval Stores Co., Savannah, Ga.
Lone Mountain Milling Co., flour, Lone Mountain, Tenn.
Lone Oak Oil Mill Co., Lone Oak, Tex,
Lone Star Pressed Brick Co., Ferris, Tex.
Lone Star Shipbldg. Co., Beaumont, Texas.
Lonergan, J. E., Co., mchsts & fndrs., 211 Race, Phila., Pa.
Loney, Samuel, & Co., masons' & bldrs.' matls., Walla Walla. Wash.
Long, A. E., contractor, Monadnock Bldg., San Francisco, Cal.
Long, A. G., fire apparatus, Portland, Ore.
Long, Adam A., Machine Works, special machinery, tools & dies, Rochester, N. Y.
Long, Albert, architect, 7 W. Madison, Chicago, Ill.
Long & Allstatter Co., punch & shear machy., Hamilton, O.
Long-Arm System Co., mchsts., Lakeside & E. 38th, Cleveland, O.
Long Beach Brick Co., Long Beach, Cal.
Long Beach Tuna Packing Co., see West Coast Packing Co. (successors).
Long-Bell Co., lbr., Quitman, Miss.
Long-Bell Lumber Co., Kansas City, Mo.
Long-Bell Naval Stores Co., Doucette, Tex.
Long Bros., canned goods, Westover, Md.
Long Bros., mchsts. & fndrs., Kokomo, Ind.
Long, C. Frederick, architect, 1 Montgomery, Jersey City, N. J.
Long, C. R., Jr., Co., paint mfrs., Louisville, Ky.
Long, C. W., brick, Washington, Ia.
Long, Clifford, brick, Columbus Junction, Ia.
Long Const. Co., contrs., Rialto Bldg., Kansas City, Mo.
Long Distance Spark Plug Co., Indianapolis, Ind.
Long Distance Telephone Mfg. Co., So. Bend, Ind.
Long, E. B. & H. J., architects, 804 Penn av, Pittsburgh, Pa.
Long, E. C., Mfg. Co., machsts. & fdrs., Hannibal, Mo.
Long, E. H., brick, Sturgis, Ky.
Long, E. M., & Sons, masons' & bldrs.' matls., sashes, doors & blinds, Cadiz, O.
Long, E. T., & Co., contractors, Wilkes-Barre, Pa.
Long, Edwin, & Co., paint mfrs., 845 Clinton, Cincinnati, O.
Long, F. R., W. G. Broadhurst Co., contractors, dock bldrs., Hackensack, N. J.
Long, Fred H., engineers, 29 S. La Salle, Chicago, Ill.
Long, Fred W., & Co., contractors, Jacksonville, Fla.
Long Fruit Products Co., canned goods, Portland, Ore.
Long, Geo. A., Cabinet Co., Hanover, Pa.
Long, Geo., Contracting Co., 13th & 1st av, Baltimore,, Md.
Long Grate Bar Co., Buffalo, N. Y.
Long, Harry W., contractor, Franklin, Pa.
L. I. Brick Co., Inc., 280 Madison av, New York.
L. I. Charcoal Co., 212 24th, Brooklyn, N. Y.
L. I. Hdwe. Co., mill & factory supplies, L. I. City, N. Y.
Long Island Fdry. Co., L. I. City, N. Y.
L. I. Knitting Mills Co., bathing suit mfrs., 335 Throop av, Brooklyn, N. Y.
L. I. Mach. & Marine Const. Co., ft. E. av, Long Island City, N. Y.
L. I. Soap Co., 27 Bridgewater, Brooklyn, N. Y.
Long, J. B., brick, common, Jackson, Tenn.
Long, J. H., Machine Co., 184 High, Boston, Mass.
Long, J. K., & Son, contractors, Punxsutawney, Pa.
Long, Jas. D., architect, 307 Main, Springfield, Mass.
Long, Jas. Lee, architect, Hopkinsville, Ky.
Long, John A., architect, Germania Bank bldg, Pittsburgh, Pa.
Long-Knight Lumber Co., 1025 Lewis, Indianapolis, Ind.
Long, Landreth, Schneider Co., gas water heaters, New Brunswick, N. J.
Long, Lewis, Hardware Co., Bessemer, Ala.
Long & McAuliffe, contractors, Brockton, Mass.
Long, M. A., Co., archit., Munsey bldg, Baltimore, Md.
Long, M. D., stone producers, Brockton, Mass.
Long Mfg. Co., water cooling radiators, 2768 E. Gd. blvd., Detroit, Mich.
Long & Oldfield, lbr., Elkatawa, Ky.
Long, P. Beauregard, flour mills Alaska, W. Va.
Long-Pasley Lbr. Co., Williston, Fla.
Long Pine Lbr. Co., Alexandria, La.
Long, S. M., & Son, flour mills, Shelbyville, Ky.
Long & Saunders Co., granite, S. Quincy, Mass.
Long Syrup Refining Co., 16th & Division, San Francisco, Cal.
Long, T. C., stone producers, Allentown, Ohio.
Long-Thompson Co., masons' & bldrs.' matls., Knox, Ind.
Long, V. W. Lbr., Birmingham, Ala.
Long, W. H., flour mills, Howard, Pa.
Long, W. Z., Co., confectioners' machy., Springfield, Ohio.
Long, Walter Mfg. Co., tubular boilers, 1312 Muriel, Pittsburgh, Pa.
Longacre Constr. Co., Widener Bldg., Philadelphia, Pa.
Longaker, H. G., & Co., canned goods, Federalsburg, Md.
Longbridge Cotton Oil Co., cottonseed meal, Longbridge, La.
Longcor, W. J., contractor, 709 5th, Minneapolis, Minn.
Longdin Brugger Co., solid tires, Fond du Lac, Wis.
Longest Bros. Co., automobile bldrs., Louisville, Ky.
Longfellow, A. W., architect, Tremont Bldg., Boston, Mass.
Longfellow, A. W., lbr., Linden, Idaho.
Longford Co. of America, Truck Units, Cambridge, Mass.
Longman & Martinez, paints, varnish mfrs., etc., 54 Maiden la., New York
Longmont Brick & Tile Co., Longmont, Colo.
Longmont Flour Mills, Longmont, Colo.
Longshore James, trunk mfr., Sacramento, Cal.
Longstreet Lumber Co., Longstreet, La.
Longview Cotton Oil Co., meal, fertz. mfrs., Longview, Tex.
Longview Lime Wks., Longview, Ala.
Longview Mattress Co., Longview, Tex.
Longville Lumber Co. Longville, La.
Longwell-Cummings Co., tablets & pads, Logansport, Ind.
Longwell Teaming & Storage Co., masons' & bldrs.' matls., 2245 Lumber, Chicago, Ill
Longworth, I. R., Co., spokes, Somerset, Ky.
Longwood, Inc., contr., Wilmington, Del.
Longworth, W. P., Heating Co., htg. contrs., 416 E. Main, Richmond, Va.
Longyear, E. J., Co., drills, 710 Sec. Bk. Bldg., Minneapolis, Minn.
Lonoke Rice Mill Co., Lonoke, Ark.
Lonsdale Brick & Pottery Co., Knoxville, Tenn.
Lonsdale Bros., contrs., Bryant Bldg., Kansas City, Mo.
Lonsdale Co., shade cloth mfrs., 50 S. Main, Providence, R. I.
Lonsdale Foundry Co., Knoxville, Tenn.
Lontz, S. C., & Sons, masons' & bldrs.' matls., South Bend, Ind.
Lonyo-Harsha Brick Co., Larkin rd, nr. Mich., Detroit, Mich.
Lonyo & M. C. R. R., brick, Detroit, Mich.
Looby, Wm. H., paint brushes, Centerbrook, Conn.
Loogootee Fire Clay Products, Loogootee, Ind.
Look & Lincoln, machsts. & fndrs., Marion, Va.
Lookout Boiler Mfg. Co., boiler breechings, Chattanooga, Tenn.
Lookout Paint Mfg. Co., Chattanooga, Tenn.
Lookout Planing Mills, cedar chests, Chattanooga, Tenn.
Looman, W. J., cornices, 856 E. Gd. blvd, Detroit, Mich.
Loomer & Allen, contractors, Belmont, Mass.
Loomis, A. C., contr., Mattoon, Ill.
Loomis Bros., contractors, Cedar Rapids, Ia.
Loomis, C. D., architect, 143 Liberty, New York.
Loomis & Hart Mfg. Co., lumber, Chattanooga, Tenn.
Loomis & Hartman, architect, Todd Bldg., Louisville, Ky.
Loomis, J. H., & Sons, silos, Phoenix, N. Y.
Loomis, John S., Lumber Co., sash, door & blind mfrs., Baltic & Nevins, Brooklyn, N. Y.
Loomis Machine Co., well drilling & prospecting machinery, Tiffin, Ohio.
Loomis-Manning Mfg. Co., 37th & Reed, Philadelphia, Pa.
Loomis, W. & H., Contracting Co., Lansford, Pa.
Loonah Lumber Co., Sioux Falls, S. D.
Looney & Bloess Lumber Co., Sedalia, Mo.
Looney Rivers Lumber Co., Boyce, La.
Loos, Adam, boilers, Toledo, Ohio.
Loos & Dilworth, lubrg. oils, paraffine wax, etc., 134 S. Front, Philadelphia, Pa.
Loos & Dothard, contractors, Commercial Tr. Bldg., Phila., Pa.
Loos, E. D., mchsts. & fndrs., Colby, Wis.
Loos, Richard C., architect, 1017 Chestnut, Philadelphia, Pa.
Loose, Chas. C., sash, door & blind, Myerstown, Pa.
Loose, Sam'l A., & Son, mchsts. & fndrs., Hamburg, Pa.
Loper Bros., sash, door & blind mfrs., Port Jefferson, N. Y.
Loper, Eli & Son, sashes, doors & blinds, Bridgeton, N. J.
Loper Fire Alarm Co., Stonington, Conn.
Lopez, M. F., contr., Tampa, Fla.
Loptein Bros., carriages, Sycamore, Ill.
Loptien, G., & Sons (est. of), carriages, Sycamore, Ill.
Lorain Brass & Bronze Foundry Co., Lorain, Ohio.
Lorain Casting Co., Lorain, Ohio.
Lorain Coal & Dock Co., Huntington Bk. bldg, Columbus, Ohio
Lorain Hardware Co. (whol), Lorain, Ohio.
Lorain Lumber & Mfg. Co., Lorain, Ohio.
Lorain Sand & Gravel Co., Lorain, Ohio.
Lorain Steel Co., iron forgings, rolling mills, etc., Johnstown, Pa.
Loraine Smelting & Refining Co., 25 N. Dearborn, Chicago, Ill.
Loray Mills, sheeting, Gastonia, N. C.
Lorch, Emil, architect, Ann Arbor, Mich.
Lord Bowler Co., carbonizers & indigo mills, Cleveland, Ohio.
Lord & Burnham Co., machsts. & fndrs., 30 E. 42d, New York.
Lord & Bushnell Co., lumber mfrs., 2424 Laflin, Chicago, Ill.
Lord & Caswell, coffins, etc., Skowhegan, Me.
Lord Elec. Co., brake handles, 105 W. 40th, New York.
Lord, F. K., architect, 120 B'way, New York.
Lord, F. T., Polish Co., Cambridge, Mass.
Lord, Geo. W. Co., boiler compounds, 2238 N. 9th, Phila., Pa.
Lord, H. & G. W., Co., fish nets, Boston, Mass.
Lord, Herman A., architect, 5th & Merchant, Pittsburgh, Pa. & Ambridge, Pa.
Lord, Hewlett & Tallant, architects, 345 5th av, New York.
Lord, L. L., boiler cleaners, Meadville, Pa.
Lord, Lee H., & Co., whol. lbr., Peoria, Ill.
Lord Lumber Co., hardwood doors, La Grange, Ill.
Lord Mfg. Co., elec. instr., light'g. arresters, etc., 105 W. 40th New York.
Lord, Rufus E., bldg. contr., Waltham, Mass.

Stone & Co., stove, Otter River, Mass.
W. M., Co., excelsior, Union, N. H.
& Waterman, contractors, Scranton, Pa.
Wm. Henry, architect, Asheville, N. C.
n, Olle J., architect, Light & Power Co. Bldg., Houston, ex.
tzen, H. K., sheet metal stamping, 60 Grand, New York.
Bros. Co., contractors, 4540 W. Madison, Chicago, Ill.
, Chas., cornices, 1018 Callowhill, Philadelphia, Pa.
& Burnham Co., contrs., 208 S. La Salle, Chicago, Ill.
& Burnham Co., steam heaters, Little bldg, Boston, Mass.
, P. H., contractor, Moline, Ill.
, Wm., Trunk Works, Inc., tool cases, 212 Marquette r, Minneapolis, Minn.
e Mfg. Co., dictionary holders, Chicago, Ill.
en, Chas. F., & Co., grille work, 105 N. Clark, Chicago, Ill.
o Iron Co., ores, 1400 Fulton, Chicago, Ill.
Bros., cornices & skylights, Columbia, S. C.
& Lowrence, masons' & bldrs.' matls., who. hdwe. & mill pplies, Columbia, S. C.
rd Refrigerator Co., stretchers—portable, 25 W. 32d. ew York.
r & Gallagher Co., contractors, 226 La Salle, Chicago, Ill.
r Mfg. Co., phonographs, Troy, Ohio
r Mach. Co., Ontario & Lawrence, Philadelphia, Pa.
Chas. G., architects, 7 Water, Boston, Mass.
Ralph S., architect, Lewiston, Idaho.
Sanford, mchst. & fndr., Coldwater, Mich
Jacob, sweaters, etc., Dedham, Mass.
ie Car Co., ambulances, Richmond, Ind.
ngeles Brick Co., Los Angeles, Cal.
geles Can Co., 303 San F'ndo rd, Los Angeles, Cal.
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ngeles Carbonic Co., 514 Molino, Los Angeles, Cal.
ngeles Casket Co., 639 Banning, Los Angeles, Cal.
ngeles Creamery Auto & Machine Co., 1020 Towne av, s Angeles, Cal.
ngeles Engine Works, Los Angeles, Cal.
ngeles Fertilizer Co., 2643 E. Edwin, Los Angeles, Cal.
geles Foundry Co., 2444 S. Alameda, Los Angeles, Cal.
geles Heavy Hdwe. Co., 218 N. Los Angeles, Los An- es, Cal.
ngeles Ladder Co., Los Angeles, Cal.
ngeles Mfg. Co., machinists, Los Angeles, Cal.
geles Olive Growers' Assn., canned, Los Angeles, Cal.
geles Paper Mfg. Co., Los Angeles, Cal.
geles Planing Mill Co., Los Angeles, Cal.
geles Pressed Brick Co., 145 S. B'way, Los Angeles, Cal.
geles Rubber Co., mill factory supplies, Los Angeles, Cal.
geles Saddlery & Finding Co., Los Angeles, Cal.
geles Smelting Co., babbitt & solder, 739 N. Main, Los geles, Cal.
geles Soap Co., Los Angeles, Cal.
geles Stone Co., Baker Detwiler Bldg., Los Angeles, Cal.
geles Telescope Co., Los Angeles, Cal.
geles Tuna Canning Co., Long Beach, Cal.
geles Valve & Fittings Co., 2741 Compton, Los Angeles.

, S., Co., contrs., Wilkinsburg, Pa.
C. E., architect, Union City, Ind.
F. E., brick, Newton, N. J.
n, Joseph, architect, Stockton, Cal.
Co., whol. hdwe., Easton, Pa.
igh-Jordan Tool & Machine Co., Elkhart, Ind.
S., architect, Hornell, N. Y.
dw. W., architect, 253 B'way, Troy, N. Y.
oseph, & Co., woven labels, Norwalk, Conn.
J., Stove Co., mchsts. & fndrs., Waynesboro, Va.
White, architects, 130 State, Albany, N. Y.
a Cypress Co., lumber mfrs., ft. of Angelica, St. Louis,

, F. B., Co., ferrules, South Acton, Mass.
H. A., & Co., cutlery, Sharon, Mass.
John M., contractor, 2381 Boulevard, Jersey City, N. J.
L. D., & Son, fish hooks, fog horns, Gloucester, Mass.
Mfg. Co., steel benches, 15 W. Kinzie, Chicago, Ill.
F., & Co., masons' & bldrs.' matls., 101 E. 8th, St. l, Minn.
Bros. Mfg. Co., mchsts. & fndrs., Seymour, Wis.
Hy. G., architect, 427 Milwaukee, Milwaukee, Wis.
, C. F., & Sons, mattresses, Houston, Tex.
ut Glass Co., Barnesville, Ohio.
igust, & Co., bee keepers' supplies, Boyd, Wis.
ilip, & Co., contractors, 56 E. Randolph, Chicago, Ill.
A., Sons Co., laundry dryers, 8th & B'way, Cincinnati. o.
Hill Co., sash, door & blind mfrs., Richmond, Ind.
Clarke Corp., contractors, Wallingford, Conn.
Elmer E., carriages, Schenectady, N. Y.
Hardware Co., Scottsdale, Pa.
J. H., lbr., Colville, Wash.
M., Sons Co., ties, poles, etc., Osceola, Mich.
& Hill, sponges, 624 Arch, Philadelphia, Pa.
Machine Works, Lebanon, Pa.
Machinery Co. (The), barn equipments, Fairfield, Ia.
lager, H., Fdry. Co., 465 S. Canal, Columbus, Ohio.
Packing Co., canned goods, Terre Haute, Ind.
ick, A. E., varnish mfrs., 75 Murray, New York.

Loudoun Valley Milling Co., flour, Purcellville, Va.
Louer, W. D., & Co., contrs.' equipt., 415 S. Dearborn, Chicago, Ill.
Lougeay, John M., contractor, 5822 Douglas, Pittsburgh, Pa.
Lougee Wm. S., architect, Marshall Bldg., Cleveland, Ohio.
**Lough Bros., die & grey iron castings, 90 West, New York.**
Lough, W., & Son, contrs., Marion, Ill.
Loughran Machine Co., Ames, Iowa.
Loughron, Tnomas J., contr., Warren, R. I.
**Louis, Hy. D., packing box mfrs., Leadenhall & B. & O. R. R., Baltimore, Md.**
Louis, J. H., Carriage & Wagon Co., 314 W. Court, Cincinnati, O.
Louis, Jno. C., contrs. tools & supp. 131 So. Howard, Baltimore, Md.
Louis, Romine, contr., East St. Louis, Ill.
Louise Lumber Co., Lexington, Ky.
Louisiana Building & Contr. Co., see Orleans Demolishing & Supply Co. (successor).
Louisiana Central Lumber Co., Clarks, La.
Louisiana Cooperage Co., Plaquemine, La.
Louisiana Cornice Works, New Orleans, La.
Louisiana Creosoting Co., Winnifield, La.
Louisiana Cypress Lumber Co., Ltd., Harvey, La.
Louisiana Distillery Co. (Ltd.), 865 S. Peters, Harvey, La.
Louisiana Fibre Board Co., Bogalusa, La.
Louisiana Glass & Mirror Works, 309 Lafayette, New Orleans, La.
Louisiana Grain & Milling Co., Ltd., Lake Charles, La.
Louisiana Long Leaf Lumber Co., Fisher, La.
Louisiana Lumber Co., Bogalusa, La.
**Louisiana Metal Cabinet Works, emblems, booths, junction boxes, letters, signs, etc., New Orleans, La.**
Louisiana Oil Refining Co., petroleum products, Shreveport, La.
Louisiana Paper Co., Ltd., Shreveport, La.
Louisiana Red Cypress Co., Hibernia Bk. Bldg., New Orleans, La.
Louisiana Red Cypress Lumber Co., Wichita, Kans.
Louisiana Rice Milling Co., New Orleans, La.
Louisiana Saw Mill Co., Glenmora, La.
Louisiana Scale Co., mchsts., New Orleans, La.
**Louisiana State Rice Milling Co., Montegut & Chartress, New Orleans, La.**
Louisiana State University, Engng. Schools & Coll., Baton Rouge, La.
Louisville Auto. Supply Co., spark plugs, Louisville, Ky.
Louisville Axe & Tool Co., Highland Park, Ky.
Louisville Brick Co., Louisville, Ky.
Louisville Brick & Tile Co., Louisville Ohio.
Louisville Bridge & Iron Co., steel struct. wk., Louisville, Ky.
Louisville Car Wheel & Ry. Supply Co., Louisville, Ky.
Louisville Cement Co., 3018 W. B'way, Louisville, Ky.
Louisville Cereal Mill Co., flour mills, Louisville, Ky.
Louisville Coal & Coke Co., Goodwill, W. Va.
Louisville Cornice & Roofing Co., Louisville, Ky.
Louisville Cotton Mills Co., twine, Louisville, Ky.
Louisville Drying Mach. Co., Louisville, Ky.
Louisville Fertilizer Co., Louisville, Ky.
Louisville Fire Brick Works, Highland Park, Ky.
Louisville Fdry. Co., Louisville, Ohio.
Louisville Lead & Color Co., Louisville, Ky.
Louisville Machine Mfg. Co., concrete block, Louisville, Ohio.
Louisville Paint Mfg. Co., Louisville, Ky.
Louisville Pillow Co., mattresses, Louisville, Ky.
Louisville Planing Mill & Hardwood Flooring Co., Louisville, Ky.
Louisville Point Lumber Co., 1146 Fulton, Louisville, Ky.
Louisville Pottery Co., Floyd & Bloom av, Louisville, Ky.
Louisville Provision Co., meat packers, Louisville, Ky.
Louisville Silo & Tank Co., Louisville, Ky.
Louisville Soap Co., Shelby & Ormsby, Louisville, Ky.
Louisville Tin & Stove Co., whol. hdwe., Louisville, Ky.
Louisville Varnish Co., Louisville, Ky.
Louisville Veneer Mills, Louisville, Ky.
**Lounsbery, A. P., artificial leather & upholsterers' tacks, 11 W. 5th, Cincinnati, Ohio.**
Lounsberry, Geo. H., contractor, Duluth, Minn.
Lounsberry, H. C., heating contractors, Camden, N. J.
Lounsbury & Bissell Co., wood felts Winnipauk, Conn.
Loup Creek Colliery Co., coal mine, Page, W. Va.
Lourie Manufacturing Co., hydraulic presses, etc., Springfield, Ill.
Loutre Lumber Co., Cargile, Ark.
Lovatt, Geo. I., architect, 416 Walnut, Philadelphia, Pa.
Lovdall, Geo. F., architect, 127 N. Dearborn, Chicago, Ill.
Love, Boyd & Co., masons & bldrs' matls., Nashville, Tenn.
Love Bros., brass, grey iron & mach. castings, Aurora, Ill.
Love Bros., Inc., heat resisting castings, Aurora, Ill.
Love, Edgar L., architect, Huntsville, Ala.
Love Fdry. & Mach. Co., Winchester, Ky.
Love, J. P., stone producers, Webster, Mass.
Love, Jos. V., & Co., rubber stamps, stencils, Galveston, Tex.
Love, M. A., Mfg. Co., mchsts. & fndrs., Rockford, Ill.
Love Mfg. Co., mchsts. & fndrs., Corry, Pa.
Love Piket & Nulsen Co., heating contr., 8th & B'way, Cincinnati, Ohio.
Love Thompson Co., whol. hdwe., 209 1st av, Pittsburgh, Pa.
Love Wagon Co., Durant, Miss.
Lovegrove & Co., machy. dlrs., 1524 Chestnut, Philadelphia, Pa.
Lovegrove Milling & Feed Co., flour, Charlottesville, Va.
Lovejoy, C. H., Chaplet Co., Cambridge, N. Y.

Lovejoy, D., & Son, mach. knives, etc., Lowell, Mass.
Lovejoy, Ellis, dry kilns, Columbus, Ohio.
Lovejoy Granite Co., Milford, N. H.
Lovejoy, J. E., contractor, Des Moines, Ia.
Lovejoy Planing Mill Co., sash, door & blind mfrs., 823 E. 17th, Kansas City, Mo.
Lovejoy, R. N., carriages, North Chesterville, Me.
Lovejoy Tool Works, 319 W. Ohio, Chicago, Ill.
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Lovekin Pipe Expanding & Flanging Mach. Co., 421 Chestnut, Philadelphia, Pa.
Lovekin Water Heater, 39 Laurel, Philadelphia, Pa.
Lovelace Lumber Co., Brewton, Ala.
Loveland, A. C., & Co., scrap rubber, Hartford, Conn.
Loveland, Arthur L., archit., Colman Bldg., Seattle, Wash.
Loveland, J. E., masons & bldrs.' matls., Moscow, Pa.
Loveland, L. H., Co., picker sticks, Rumney, N. H.
Loveland, L. L., contractor, Cranford, N. J.
Loveland, M. E., mill & facty. supplies, Gouverneur, N. Y.
Loveland Plaster & Mfg. Co., Denver, Colo.
Loveland, Wm. H., Co., toilet articles, Binghamton, N. Y.
Loveless, L. W., Mfg. Co., razor strops, Lafayette, Ind.
**Lovell, F. H., & Co., mail boxes & conduit hangers, Arlington,** N. J.
Lovell-McConnell Mfg. Co., mchsts. & fndrs., 194 Wright, Newark, N. J.
Lovell Mfg. Co., clothes' wringers, Erie, Pa.
Lovell, Sidney, theatre architect, 30 N. Michigan, Chicago, Ill.
Lovering, Robert H., htg. Contrs., 37 Savin, Rox., Boston, Mass.
Lovett, Solon, boot & shoe counters, Beverly, Mass.
Lovewell-Henrici Co., laundry machy. & screw presses, Chelsea, Mass.
Lo Vis Co., can openers, Kalamazoo, Mich.
Lovitt, C. W., contractor, 1015 E. 33rd, Kansas City, Mo.
**LOVSTED, C. M. & CO.,** steam whistles, 316 1st av, So., Seattle, Wash. *See adv. index at end of book*
Lovvorn, W. J., flour mills, Cedartown, Ga.
Low Bros., & Co., lime mfrs., Limeridge, Pa.
Low, F. Eliot, & Co., mill & facty. supplies, Paterson, N. J.
Low Moor Iron Co., blast furnaces, Low Moor, Va.
Low, N. S., & Co., surgical instruments, 44 ave. A, New York.
Lowden, G. W., canned goods, Savannah, Ga.
Lowe, Albert G., architect, Furguson Bldg, Pittsburgh, Pa.
Lowe Bros. Co., technical paints, Dayton, Ohio.
Lowe Bros., Mach. & Engine Works, Columbus, Ohio.
Lowe & Co., whol. hdwe., Weatherford, Tex.
Lowe, E. E., & Co., lumber, Atlanta, Ga.
Lowe, Geo., architect, Kingston, N. Y.
Lowe, Geo. A., Co., whol. hdwe., mill & facty. supp., masons & bldrs.' matls., Ogden, Utah.
Lowe, Hy. A., test indicators, 1874 E. 66th, Cleveland, Ohio.
Lowe-Hord Hardware Co., fertilizer, Knoxville, Tenn.
Lowe, John, contractor, 352 Grand av, New Haven, Conn.
Lowe, Lloyd C., architect, Huntington, W. Va.
Lowe Mfg. Co., parers—hoof, Enderlin, N. D.
Lowe, Perley, & Co., lumber, 332 S. Mich. av, Chicago, Ill.
**Lowe, S. C., Supply Co., mill & facty. supp., cabinet oil, New** Bedford, Mass.
Lowe, T. F., machinist, Buford, Ga.
Lowe, T. J., fertilizer, Mableton, Ga.
Lowe, Willis C., architect. Crocker Bldg., San Francisco, Cal.
Lowe & Bollenbacker, architects, 108 S. La Salle, Chicago, Ill.
Lowekamp Bros., canned goods, Jessups, Md.
Lowell Bldg. & Supply Co., contrs., baskets, hampers, crates, bldg. mtls., sash mfrs., etc., Lowell, Ohio
Lowell Canning Co., Lowell, Wis.
Lowell Casket Co., Lowell, Mass.
Lowell Crayon Co., crayons & pencils, Lowell, Mass.
Lowell Cutter Co., carriage bodies & seats, Lowell, Mich.
Lowell Felt Co., Lowell, Mass.
Lowell Fertilizer Co., 40 N. Market, Boston, Mass.
Lowell Furnace Co., Lowell, Mass.
Lowell, Guy, architect, 225 5th av, New York.
Lowell, Guy, architect, 12 West, Boston, Mass.
Lowell Insulated Wire Co., flexible cords, rubber covered & telephone wires, Lowell, Mass.
Lowell-Meservey Hardware Co., Colorado Springs, Colo.
Lowell Paper Tube Corp., Lowell, Mass.
Lowell Planing Mill Co., see Lowell Building & Supply Co. (successor).
Lowell Polish Co., Lowell, Mass.
Lowell Rendering Co., soap, Lowell, Mass.
Lowell Shuttle Co., Lowell, Mass.
Lowell Specialty Co., mchsts. & fndrs., Lowell, Mich.
Lowell Textile Co., towels, North Chelmsford, Mass.
Lowell Waste Co., Lowell, Mass.
Lowell Wrench Co., mfrs. reversible ratchet wrenches, 54 Commercial, Worcester, Mass. *See adv index at end of book.*
Lowenstein Radio Co., Inc., 397 Bridge, Brooklyn, N. Y.
Lowenthal Co., scrap iron, 947 W. 20th, Chicago, Ill.
Lowenthal, Max, & Sons, gloves, sweaters, Rochester, N. Y.
Lowenthal, W., & Co., cotton batting, Cohoes, N. Y.
Lowentraut, P., Mfg. Co., hdwe. mfrs., 36 Brenner, Newark, N. J.
Lower California Fisheries Co., canned, San Diego, Cal.
Lower Vein Coal Co., Terre Haute, Ind.
Lowerator Co., gravity conveyors, 110 W. 40th, New York.
Lowerstor Co., Inc., conveying machy., 631 Kent av, Brooklyn, N. Y.

Lowery Bros., contractors, 1631 S. Salina, Syracuse, N. Y.
Lowinson, Oscar, 5 W. 31st, New York.
Lowman & Hanford Co., pads & tablets, Seattle, Wash.
Lown & Son, buckets, churns, pails, etc., Poughkeepsie, N. Y
Lowndes & Butler, machinists, Norristown, Pa.
Lowndesville Cotton Oil Co., meal, fertz. mfrs., Lowndesvi S. C.
Lowrance Bros., & Co., contractors, Memphis, Tenn.
Lowres, G. J., & Co., optical goods mfrs., 344 Mulberry, Newa N. J.
Lowrie, C. N., landscape architect, 101 Park av, New York.
Lowrie & Robinson Lumber Co., sash, door & blind, 2569 J ferson av, W. Detroit, Mich.
Lowrie Safe & Lock Mfg. Co., 400 N. Oakley blvd, Chicago,
Lowry Co., plumbers', mill & facty. supp.—jobbers, Atlanta,
Lowry, Curtis W., potteries, Roseville, Ohio.
Lowry, F. S., potter, Roseville, Ohio.
Lowry, I. B., architect, Phoenixville, Pa.
Lowry, John, Jr., contr., 8 W. 40th, New York.
Lowry Top & Body Co., 1211 Vine, Philadelphia, Pa.
Lowry Wagon Works, Augusta, Ga.
Lowther, M. R., & Co., masons & bldrs.' matls., Parkersbu W. Va.
Lowy, A., travel'g bags & suit cases, 18 Greene, New York.
Lowy & Co., travel'g bags & suit cases, 79 Grand, New York
Lowy, D., & Co., scrap iron & steel, 66 10th av, New York.
Loy-Lange Box Co., pckg. box mfrs., 3d & Russell, St. Louis,
Loy & Nawrath Co., machinists, 25 Runyon, Newark, N. J.
Loyal Hanna Coal & Coke Co., Loyal Hanna, Pa.
Loyd, H. C., canned goods, Goodview, Va.
Loyd, John, Co., dies, knives, machy., etc., 124 Baxter, N York.
Loyola University Engineering Dept., Engng. Schools & Cc Chicago, Ill.
**Lozier Motor Co., machsts. & fndrs., Plattsburg, N. Y.**
Lozier Motor Co., Mack & Belt Line, Detroit, Mich.
L. P. C. Motor Co., mchsts., Racine, Wis.
L. & P. Knitting Co., sweaters, etc., Hawley, Pa.
L. S. & M. S. Ry. Shops, mchsts. & fndrs., Elkhart, Ind.
L. S. P. Calking Mach. Co., Wyalusing, Pa.
Lubbers & Bell Mfg. Co., chair seats & fly swatters,, Clinton,
Lubec Sardine Co., canned, Lubec, Me.
Lubenow Mfg. Co., mach. screws, 592 1st av, Milwaukee,
Luber Button Works, 1265 B'way, New York.
Lubin Mfg. Co., moving picture films, Indiana & 20th, Phila.,
Lublin, B., & Son, scrap rubber, Hartford, Conn.
Lubricating Metal Co., 976 Newark av, Jersey City, N. J.
Lubricating Metal Co., metallic packing, 2 Rector, New York.
Lubrication World, trade publication, Monadnock bldg, cago, Ill.
Lubron Co., packing mfrs., Everett, Mass.
Lubroth, J., architect, 2210 Bath av, Brooklyn, N. Y.
Lubschez, Ben J., architect, 601 W. 177th, New York.
Luby, Wm. J., stone producers, Meriden, Conn.
Lucas, A., & Sons, mine cages, coal chutes, 1329 S. Washing Peoria, Ill.
Lucas, A. T., contractor, Houston, Tex.
Lucas Bros., flour mills, Shinnston, W. Va.
Lucas, Chas. O., & Co., rotary bake ovens, Dayton, Ohio
Lucas, D. A., & Co., architects, 98 3rd, Brooklyn, N. Y.
Lucas, H. N., cornices, Negaunee, Mich.
Lucas, Herbert, architect, 129 E. 21st, New York & Lucas B Mt. Vernon, N. Y.
Lucas, I. L., brick, Dover, N. H.
Lucas, J. Craig, sash, door & blind, Brookville, Pa.
Lucas, J. L., & Son, gas blast forges, Bridgeport, Conn.
Lucas, John, & Co., enamels, paints, varnishes, etc., 322 R Philadelphia, Pa.
Lucas Land & Lumber Co., Paducah, Ky.
Lucas Mach. Co., sand papering, Jamestown, N. Y.
Lucas Machine Tool Co., 524 E. 99th, Cleveland, O.
Lucas Miner Tool & Production Co., air compressors, pump jigs, 427 Valley, Dayton, Ohio.
Lucas-Tuttle Mfg. Co., school rulers, Silver Springs, N. Y.
Lucas-Wallace Mfg. Co., carbureters, Paducah, Ky.
Lucas, Wm., brick, Portland, Me.
Lucas, Wm., contractor, Galveston, Tex.
Luce Bros., sashes, doors & blinds, 214 19th av, N., Minnea lis, Minn.
Luce, Cortlandt F., architect, 36 Pearl, Hartford, Conn.
Luce, Geo. D., tree moss, Hagan av & St. Peters, New Orle La.
Luce Trunk Factory, 1026 Maine, Kansas City, Mo.
Lucey Fdry. & Machine Co., Chattanooga, Tenn.
Lucey Manufacturing Corp., oil & gas well supplies, 233 B'v New York.

BRANCH OFFICES:

Los Angeles Cal., Telephone Bldg.
San Francisco, Cal., Kohl Bldg.
Denver, Colo., First Nat'l Bank Bldg.
Shreveport, La.
Pittsburgh, Pa., Oliver Bldg.
Chattanooga, Tenn.
Beaumont, Tex.
Fort Worth, Tex.
Houston, Tex.
Ranger, Tex.
**London, England,** Broad St. House.
Tampico, Mex., Apar No. 248

e, Jos. L., mach. & fdr., Greensburg, Ind.
s Engineering Co., Hartje Bldg., Pittsburgh, Pa.
s Mfg. Co., tanks, caskets, etc., Massilon, Ohio
s & Martin, archits., Lewis bldg., Portland, Oregon.
C. H., Envelope Co., 701 La Salle, Chicago, Ill.
l King & Cake Soap Co., Portland, Ore.
nbach, D. & A., flour mills, Bethlehem, Pa.
tt, Fred'k, light fixture mfrs., 266 State, Brooklyn, N. Y.
ardt, C. A., Co., assayers, 53 Stevenson, San Francisco, Cal.
ardt, Louis, cornices, 85 Sweetbriar, Pittsburgh, Pa.
G. R., & Co., soap, 100 San Bruno, San Francisco, Cal.
e, W., mill & factory supplies, 97 Warren, New York.
an, Edwin H., mach'y, 165 B'way, New York.
, J. J. W., & Co., mill & factory supplies, Charleston, S. C.
s Marine Constr. Co., motor boat, launch & yacht bldrs., tamford, Conn.
n, Jos. G., architect, 53 W. Jackson blvd., Chicago, Ill.
gton Cigarette Mach. Co., Waterbury, Conn.
gton, Ira M., Sons, contractors, Powers Bldg., Rochester, N. Y.
gton, J., & Co., canned goods, 2211 Boston, Baltimore, Md.
gton Lumber Co., Ludington, La.
gton, N., Co., masons' & bldrs.' matls., Marinette, Wis.
m, Fred'k, Co., fertilizer mfrs., 2 Rector, New York.
w, L. V., & Co., masons' & bldrs.' matls., Far Hills, N. J
w Mfg. Associates, bags & bagging, 111 Devonshire, Boston, Mass.
v Mfg. Co., oil cans & sheet metal ware, Ludlow, Ky.
w & Peabody, architects, 101 Park av, New York, & Stahlman Bldg., Nashville, Tenn.
w-Saylor Wire Co., Newstead av. cor. Wabash R. R., mats, 0 E. Jackson bl, Chicago, Ill.
w-Saylor Wire Co., St. Louis, Mo.
w & Squier, mill & facty. supplies, 97 Market, Newark, . J.
w Valve Mfg. Co., machsts. & fdrs., 141 Milk, Boston, lass.
w Valve Mfg. Co., ft. of Adams, Troy, N. Y.
m Steel Co., magnet, steel, 2 Rector, New York, and Waterliet, N. Y.
rici-Celadon Co., roofing tile mfrs., Monroe Bldg., Chiago, Ill.
gsen Bros., steel toes, calks, Jackson, Minn.
g, A., & Co., brass goods mfrs., 75 Spring, New York.
g & Co., pianos, 136th & Willow av, New York.
g, J., carriages, 20 Canfield, Newark, N. J.
g, L. O., starch mfr., Cary, Me.
g Piano Co., 1103 Chestnut, Philadelphia, Pa.
g, Rudolph, architect, 9 Jackson av, Brooklyn, N. Y.
g, Wm. H., architect, 801 Eastern P'way, Brooklyn, N. Y.
J. W., cornices & skylights, Zanesville, O.
rs, Geo., & Co., soap colors & oils, 218 Pearl, New York.
ghaus Bros., lumber, Dryad, Wash.
ghaus-Espenschied Wagon Co., 1717 N. B'way, St. Louis, o.
mann, Chas. F., Hardwood Lumber Co., 150 Carroll, St ouis, Mo.
emeyer Co., whol. hdwe., mill, facty. & steam fitters' pplies, 725 Superior av, N. W., Cleveland, Ohio.
mann, Frank, Co., bldg. contrs., 1912 Prairie, Milwaukee, is.
Bros. Packing & Ice Co., meat packers, Alton, Ill.
, Oscar, architect'l & ornament. iron, 328 7th av, New ork.
her, Jacob J., contractor, Madison, Wis.
ry, Andrew, architect, 547 Drexel bldg, Phila., Pa.
, C. F., tackle blocks, Gloucester, Mass.
Foundry & Machine Co., Lufkin, Tex.
, Jno. W. & R. H., machy, 38 Chardon, Boston, Mass.
Land & Lumber Co., Lufkin, Tex.
Rule Co., rules & measuring tapes, Hess, Saginaw, Mich.
C. W., canned goods, Troutville, Va.
, F. W., & Son, machinists, Delaware, O.
Friedl, architect, 154 W. Randolph, Chicago, Ill.
Bros. & Co., lbr. mfrs., Ann Arbor, Mich.
& Sons Mfg. Co., mchsts, 775 18th av, Milwaukee, Wis.
eler Pumping Engine Co., 123 Ames, Rochester, N. Y.
rt, A. L., architect, Falls Creek, Pa.
eyer, Wm. H., & Son, brick, Huntingburg, Ind.
Bros., lumber, 9th & Girard, Philadelphia, Pa.
Milling Co., flour, Atchison, Kans.
Steel Co., boiler braces & steel plate manfrs., Coatesville,
., Thos. F., Metal Co., fndrs., 238 N. 4th, Phila., Pa.
., Wm. A., contractor, Clearfield, Pa.
& Yerkes, masons' & bldrs.' matls. & lime mfrs., Stephen rard Bldg., Philadelphia, Pa.
Wm., hdwe. mfr., 857 S. 19th, Newark, N. J.
ski Bros., plumbers' supplies, 2480 East Grant blvd, Detroit, Mich.
Abattoir Co., meat packers, St. Paul, Minn.
arriage Co., delivery & spring wagons, Kalamazoo, Mich.
. L., & Co., plumber supp., Norfolk, Va.
eo. E., machst., Birmingham, Ala.
dwe. & Plbg. Supply Co., mill & factory supplies, Norfolk,

Lum, L. C., masons' & bldrs.' matls., Barker, N. Y.
Lum Machinery & Supply Co., mill & facty. supplies, Montgomery, Ala.
Lum, Wm. H., & Son, cut glassware, 508 Broome, New York.
Lumach Coal Co., 613 Locust, St. Louis, Mo.
Lumbs, Levi, Son, masons & bldrs.' matls., Poughkeepsie, N. Y
Lumber Mfrs. Agency, Centralia, Wash.
Lumber Mfg. Co., Gainesville, Fla.
Lumber Mineral Co., Arbo, Miss.
Lumber & Supply Co., masons' & bldrs.' matls., Logan, O.
Lumber Trade Journal, New Orleans, La.
Lumber Transit Co., Centralia, Wash.
Lumber World Review, trade publications, 608 S. Dearborn, Chicago, Ill.
Lumber Manufacturers Edition & Dealers Edition, trade publications, Arcade bldg, St. Louis, Mo.
Lumberman's Cement & Brick Co., Kansas City, Mo.
Lumberman's Supply Co., Topeka, Kans.
Lumen Bearing Co., bearings, castings, etc., 200 Lathrop, Buffalo, N. Y. *See adv. index at end of book.*
Luminous Specialty Co., elect. light reflectors, Indianapolis, Ind.
Luminous Unit Co., electric fixtures, Jefferson & Washington av, St. Louis, Mo.
Lummi Bay Packing Co., canned goods, Green Bay, Wis.
Lummus Cotton Gin Co., Columbus, Ga.
Lummus Machy. Co., cotton ginning, Spartanburg, S. C.
Lummus, Walter E., Co., chemical distilling & rectifying apparatus mfrs., 171 Milk, Boston, Mass.
Lumpkin Hardware Co., Cartersville, Ga.
Lumpkin Home Mixture Guano Co., Lumpkin, Ga.
Lumsden & Van Stone Co., mill & facty. supplies, Dorchester, Boston, Mass.
Lunan, J., & Sons, packing box, Fall River, Mass.
Lunbeck Bros., lumber, South Salem, O.
Lund, A., Construction Co., 19 S. La Salle, Chicago, Ill.
Lund, Anders G., architect, 453 W. 63d, Chicago, Ill.
Lund, J. B. & Sons, machsts. & fndrs., Sheboygan, Mich.
Lund, Jas. B., consulting engnr., 19 S. La Salle, Chicago, Ill.
Lund & Nelson, see Lund, Jas. B. (succesor).
Lundahl Bros. Fuel & Contracting Co., Moline, Ill.
Lundale Coal Co., Huntington, W. Va.
Lundberg, Gustaf, Swedish iron, Board of Trade Bldg., Boston, Mass.
Lundberg & Mahon, architects, Provident Bldg., Tacoma, Wash.
Lundblad, Claus D., architect, New Telegraph bldg, Detroit, Mich.
Lunde & Childs, brass fndrs., La Crosse, Wis.
Lundgren, Edward, brick, Warren, Minn.
Lundie, Elwin H., architect, Endicott bldg, St. Paul, Minn.
Lundin Elec. & Mach. Co., arc lamp insulators, 10 Thatcher, Boston, Mass.
Lundin Steel Casting Co., Neponset, Boston, Mass.
Lundquist, C. A., & Co., wholesale hardware, Jamestown, N. Y.
Lundquist, C. W., & Co., contractors, 712 15th av, N. E., Minneapolis, Minn.
Lundstrum, A., architect, Yakima, Wash.
Lundstrom, C. J., Mfg. Co., filing cabinets, Little Falls, N. Y.
Lunenberg Mfg. Co., coffins, etc., Lunenberg, Vt.
Lungwitz, Emil E., pulp filters, 90 West, New York.
**LUNKENHEIMER CO. (THE)**, engineering appliances, Beekman & Waverly, Cincinnati, O. *See adv index at end of book.*
Lunsford, G. A., & Sons, machy. dlrs., Elberton, Ga.
Lunt Moss Co., mill & facty. supp., 43 S. Market, Boston, Mass.
Lupfer, Geo. B., Co., mattresses, Columbus, O.
Lupien, A., architect, 1204 Carroll, Brooklyn, N. Y.
Lupprain, Chas. A., architect, 180 Main, New Rochelle, N. Y.
Lupton's, David, Sons Co., cornices & skylights, etc., Allegheny av & Tulip, Philadelphia, Pa.
Lurch Piano Co., 127 East 23rd, New York.
Luria Bros. & Co., scrap iron & steel, Reading, Pa.
Luria Rag Co., scrap rubber, iron & steel, York, Pa.
Lurie, Aaron, cornices, Hartford, Conn.
Lurie, John, Inc., auto supplies, etc., 1789 Broadway, New York
Lurz, Frank, Co., contractors, Elmhurst, N. Y.
Lushbaugh, W. H., contrs., tents, Covington, Ky.
Lusher & Rockett, contractors, Fort Worth, Tex.
Lusk Bros. Fdry. Co., Jackson, Mich.
Lusse Bros., machsts., 2807 N. Fairhill, Phila., Pa.
Lust, Wm., traveling bags, 927 Van Ness av, San Fran., Cal.
Lustbader Constr. Co., 328 E. 103d, New York.
Luster-Jordan Co., Inc., box makers' machy., Finance bldg., Philadelphia, Pa.
Luster Machy. Co., mach. tools, 917 Arch, Phila., Pa.
Lustig & Weil, contractors, 103 Park av, New York.
Lustre Creme Mfg. Co., metal polish, Rock Island, Ill.
Lustre Mfg. Co., polish, 16 W. Kinzie, Chicago, Ill.
Lutcher & Moore Cypress Lbr. Co., Ltd., Lutcher, La.
Lutcher & Moore Lumber Co., Orange, Tex.
Luten, Daniel B., consulting engnr., Indianapolis, Ind.
Lutes-Sinclair Co., machsts. & fndrs., Benton Harbor, Mich.
Luth Carriage Co., 1275 Budd, Cincinnati, Ohio.
Luthe Hardware Co., Des Moines, Ia.
Luther, B. G., Co., machsts., Worcester, Mass.
Luther, C. A., & Co., textile machy., Pawtucket, R. I.
Luther, Frederick P., Co., railroad equip., 14 E. Jackson blvd., Chicago, Ill.

Luther Grinder Mfg. Co., tool sharpeners, vises & post drills, 285 S. Water, Milwaukee, Wis.
Luther, Jno., & Sons, contractors, 176 North, Rochester, N. Y.
Luther Mfg. Co., machsts. & fndrs., Olean, N. Y.
Luthy & Co., port. grain elev., corn planters, clothes washing machs., etc., Peoria, Ill.
Luthy Hydrometer Co., 97 Woodward, Detroit, Mich.
Lutke Mfg. Co., show cases, Portland, Ore.
Lutter Brick Co., 1503 Wellington av, Chicago, Ill.
Lutter & Gies, machsts., 258 Lake, Milwaukee, Wis.
Lutton, Wm. H., horticultural architect, 70 E. 45th, New York.
Luttrell Hardware Co., Brewton, Ala.
Luttrell, S. B., & Co., whol. hdwe., Knoxville, Tenn.
Luttrell & Unger, canned gds., Unger's Store, W. Va.
Lutz, Alois M., machsts., Hoboken, N. J.
Lutz & Boaz, contractors, Easton, Pa.
Lutz Co., Inc., quilting mach., wrenches, drill holders, etc., 31st & Gray's Ferry av, Philadelphia, Pa.
Lutz, D. E., lbr., Mill Creek, W. Va.
Lutz File Co., hack saw blades, etc., 806 B'way, Cincinnati, O.
Lutz, Ferdinand, flushings, valves, 555 W. B'way, New York.
Lutz, Isadore, canned gds., Bloomington, Ill.
Lutz, J. C., architect, Thief River Falls, Minn.
Lutz, J. H., machinist, Circleville, Ohio.
Lutz, Robt., stone, Oshkosh, Wis.
Lutz, Robt. J., contr., Mahanoy City, Pa.
Lutz & Schramm Co., canned goods, Pittsburgh, Pa.
Luverne Auto Co., Luverne, Minn.
Luverne Oil Mills, Luverne, Ala.
Lux, L. A., Co., boiler compound, 2187 E. 2nd, Cleveland, Ohio.
Lux Mfg. Co., tungsten lamps, 123 E. Kinney, Newark, N. J.
Luxenberg & Haskell, umbrella handles, 122 Centre, New York.
Luyster, Cornelius W., Jr., contractor, 35 Nassau, New York.
Luzerne Chemical Co., wood acids, Pittston, Pa.
Luzerne Mfg. Co., machsts. & fndrs., Luzerne, Pa.
Luzerne Rubber Co., Trenton, N. J.
Luzius, P. H., architect, Erie bldg, Cleveland, Ohio
L.-W.-F. Engineering Co., aeroplane mfrs., College Point, L. I., N. Y.
L. & W. Spring Co., machy. springs, 210 Centre, New York.
Lyall, Earl H., architect, 477 5th av, New York
Lyall, J., & W., machsts., Passaic, N. J.
Lycoming Bedding Co., mattresses, Williamsport, Pa.
Lycoming Calcining Co., gypsum, stucco & wall plaster mfrs., Williamsport, Pa.
Lycoming Fdry. & Mach Co., Williamsport, Pa.
Lycoming Timber & Lumber Co., Pottsville, Pa.
Lydall & Foulds Paper Co., Manchester, Conn.
Lydall, H., & Foulds, machsts. & fndrs., Manchester, Conn.
Lyddon, B. R., contr., Rockford, Ill.
Lydia Cotton Mills, sheetings, Clinton, S. C.
Lydon, M. J., contractor, Elgin, Ill.
Lyknu Polish Mfg. Co., 916 Forbes, Pittsburgh, Pa.
Lyle Corr. Culv. Co., 171 27th av, S. E., Minneapolis, Minn.
Lyle Lbr. & Mfg. Co., Lyle, Wash.
Lyle & Reynolds, machsts. & fndrs., Crawfordsville, Ind.
Lyle Rock Co., stone prod., Kansas City, Mo.
Lyles, J., architect, 734 8th N. W., Washington, D. C.
Lyman, Abner A., contractor, New Britain, Conn.
Lyman Gun Sight Corp., Middlefield, Conn.
Lyman, H. B., conductor pipe, Southampton, Mass.
Lyman, Harry B., masons' & bldrs.' matls., Lafayette, Ind.
Lyman, Hawkins Lumber Co., Akron, Ohio.
Lyman, John R., Co., platers' supplies, Springfield, Mass.
Lyman, Jno. T., sash, door & blind mfr., Montclair, N. J.
Lyman Mfg. Co., candy pails, Warren, Ohio.
Lyman Mills, cotton sheetings, Holyoke, Mass.
Lyman Richery Sand Co., Omaha, Neb.
Lyman, Wm. H., contractors, 155 N. Clark, Chicago, Ill.
Lynch, Alonzo K., belt dressing, 310 Flushing av, B'klyn, N. Y.
Lynch, Austin J., Co., contractors, 111 W. Monroe, Chicago, Ill.
Lynch Brick Co., Haverstraw, N. Y.
Lynch Bros. Brick Co., Holyoke, Mass.
Lynch Bros., & Co., brick, East Kingston, N. Y.
Lynch-Clarlsey Co., boiler compounds, 3211 S. Wood, Chicago, Ill.
Lynch-Cannon Eng. Co., Dooly Bldg., Salt Lake City, Utah.
Lynch Construction Co., Inc., 52 Vanderbilt av, New York.
Lynch Construction Co., McIntyre Bldg., Salt Lake City, Utah.
Lynch, Edw., & Co., mill & facty. supplies, 31 S. Clinton, Chicago, Ill.
Lynch, Elliott, architect, 341 5th av, New York.
Lynch, Geo. C., Co., silk, etc., shades, 235 5th av, New York.
Lynch Glass Machy. Co., bottle blowing machy., Anderson, Ind.
Lynch, J. Hal, & Son, architects, Dolph bldg, St. Louis, Mo.
Lynch James H., contractor, 501 River av, Providence, R. I.
Lynch, Hubert T., contrs., 180 Jessie, San Francisco, Cal.
Lynch & Larkin, contractors, Yonkers, N. Y.
Lynch-McDonald Construction Co., Moberly, Mo.
Lynch, Michael, Constr. Co., Paterson, N. J.
Lynch & O'Brien, brick, Haverstraw, N. Y.
Lynch, P. J., contractor, 110 Jessie, San Francisco, Cal.
Lynch, V., & Co., contractors, 13 Park row, New York.
Lynch, W. B., lumber, Darlington, Ind.
Lynch, Wm., boiler compounds, 32 Bay, Brooklyn, N. Y.
Lynch, Wm. H., contractor, West New Brighton, N. Y.
Lynch & Woodward, htg. contrs., 287 Atlantic av, Boston, Mass.
Lynchburg Brick Co., Lynchburg, Va.



Lynchburg Coal & Coke Co., Lynchburg, Va.
Lynchburg Cotton Mills, cotton sheetings & tickings, Lynchburg, Va.
Lynchburg Lumber Mfg. Co., sash, door & blind, Lynchburg, V
Lynchburg Milling Co., flour, Lynchburg, Va.
Lynchburg Plow Wks., Lynchburg, Va.
Lynchburgh Foundry Co., machsts. & fndrs., Anniston, Ala.
Lynch's, Jno. R., Sons, cornices, Binghamton, N. Y.
Lynd-Farquhar Co., machine tool dealers, 419 Atlantic av, Boston, Mass.
Lynd, Leonard E., Mfg. Co., stove lid lifters, & door knob Mechanicsville, N. Y.
Lynden Mill & Light Co., lumber, Lynden, Wash.
Lyndonville Canning Co., Lyndonville, N. Y.
Lyne, C. H., castings, Miami, Fla.
Lyne, S. T., contractor, Fredonia, N. Y.
Lynn Bros., contrs., Wabash, Ind.
Lynn, Elliott C., contractor, Youngstown, Ohio.
Lynn Gas & Electric Co., water-gas, tar, Lynn, Mass.
Lynn Stall Co., hinges, Lynn, Mass.
Lynn Tile & Brick Works, Lynn, Ind.
Lynnhaven Lbr. Co., Norfolk, Va.
Lynnport Slate Wks., roofing slate mfrs., Lynnport, Pa.
Lynott Stove & Churn Wks., Louisiana, Mo.
Lynwood Mfg. Co., machsts., Hancock & Westmoreland, Philadelphia, Pa.
Lyon, A., contr., Ithaca, N. Y.
Lyon, A. S., lumber, West Bridgewater, Mass.
Lyon & Billard Co., masons' & bldrs.' matls., Meriden, Conn.
Lyon Bros., masons' & bldrs.' matls., Menominee, Mich.
Lyon, C. B., & Son, brick, Memphis, Tenn.
Lyon, C. S., flour mills, Stanford, Ky.
Lyon, Conklin & Co., Inc., tin plate, metals, etc.—wholesale 19 Balderston, Baltimore, Md.
Lyon & Edwald, wholesale hdwe, New London, Conn.
Lyon, G. S., & Sons Lbr. & Mfg. Co., Decatur, Ill.
Lyon-Gray Lbr. Co., Sherman, Tex.
Lyon, H. F., Co., machy. dlrs., 24 California, San Francisco, Ca
Lyon & Healy, organs, pianos, 245 S. Wabash av, Chicago, I
Lyon Iron Wks., Greene, N. Y.
Lyon, J. W., brass castings, 46 Clifford, Providence, R. I.
Lyon, John C., soap, Newark, N. J.
Lyon, Julian W., drug importer, 101 Beekman, New York.
Lyon Lumber Co., 208 S. La Salle, Chicago, Ill.
Lyon Lumber Co., Odessa, Fla.
**LYON METALLIC MFG. CO.**, Aurora, Ill.
Chicago Branch, 122 South Michigan av
New York Branch, 299 Broadway
Detroit Branch, 812 Penobscot bldg
Cincinnati Branch, 2305 Union Central bldg
Pittsburgh Branch, 629 Oliver bldg
Philadelphia Branch, 519 Bulletin bldg
Rochester Branch, 1101 Granite bldg
Boston Branch, 161 Devonshire
Lyon Lumber Co., Odessa, Fla.
Lyon Rubber Co., Akron, Ohio.
Lyon, W. E., & Co., masons' & bldrs.' matls., Carthage, Ill.
Lyon, W. E., Iron Works, 202 E. 46th, New York.
Lyons, A. J., Sons, lbr. mfrs., Binghamton, N. Y.
Lyons, Andrew C., architect, Fairmont, W. Va.
Lyons Atlas Co., farm tractors, 19th & Martindale av, Indianapolis, Ind.
Lyons Counter Co., Lynn, Mass.
Lyons, Edw. S., belt knives, Woburn, Mass.
Lyons, F. P., Iron Wks., 319 Elm, Manchester, N. H.
Lyons, G. E., Granite Co., West Dummerston, Vt.
Lyons, Geo. P., Excelsior Co., Woodford, Va.
Lyons Handle & Furniture Co., Lyons, Mich.
Lyons, Hugh, & Co., show cases, Lansing, Mich.
Lyons, J. C., Sons Co., contractors, 30 E. 42d, New York.
Lyons, Jas. J., contrs., Morristown, N. J
Lyons, Jas. T., contractor, Swampscott, Mass.
Lyons, John H., pckg. box mfrs., 548 Canal, Syracuse, N. Y.
Lyons, John P., brooms, 2016 26th av, S., Minneapolis, Minn.
Lyons Lumber Co., Hume, Ill.
Lyons Lumber Co., Ltd., Lake Charles, La.
Lyons, Michael F., & Co., contractors, 10 Pond, Lynn, Mass.
Lyons Milling Co., flour, Lyons, Kans.
Lyon's Mills, lumber mfrs., Solsville, N. Y.
Lyons-Morgan Co., carriages, Fresno, Cal.
Lyons, Robt. T., architect, 52 Vanderbilt av, New York.
Lyons, S. C., & Bros ochres, Bennington, Vt.
Lyons Stoneware & Pottery Co., Lyons, N. Y.
Lyons, T. H., architect, East Setauket, N. Y.
Lyons, Thos., & Co., broom corn, Arcola, Ill.
Lype Bros., cornices, Oneida, N. Y.
Lyraphone Co. of America, talking machines, 12 W. 37th, New York.
Lysle, J. C., Milling Co., flour, Leavenworth, Kans.
Lysle, Wilson (Est. of), paper & pulp mills, Landenberg, Pa.
Lyster Sheet Metal Co., cornices, 1220 Filbert, Philadelphia, P
Lyth, A., & Sons Co., masons' & bldrs.' matls., 48 W. Eagle Buffalo, N. Y.
Lyth Tile Co., 202 Pearl Buffalo, N. Y.
Lytle Construction Co., Sioux City, Ia.
Lytle Logging & Mercantile Co., lumber, Hoquiam, Wash.
Lytle Lumber Co., Deshler, Ohio.

on Mfg. Corp., air regulators, valves, etc., Franklin, Va.
on Rowe Mfg. Co., steam traps, Norfolk, Va.
Z. Suit Case Co., traveling bags, 644 5th av, Pittsburgh, Pa.
bee, G. R., Powder & Oil Co., dynamite & powder mfrs., Keenan bldg. Pittsburgh, Pa.
dam, R. B., contractor, Everett, Wash.
damite Aluminum Co., 57 Isabella av, Detroit, Mich.
dams, Jno., & Sons, machsts. & fndrs., 978 Kent av, Brooklyn, N. Y.
den, Hugh F., contr., Jacksonville, Fla.
den Mills, denims, McAdenville, N. C.
doo & Allen, lthr. belting butts, 329 N. 3d, Phila., Pa.
fee, J. W., humidifiers, 645 W. 171st, New York.
lear Mfg. Co., heating systems, 1901 S. Western av, Chicago, Ill.
leenan Boiler Co., riveted steel pipe, Peoria, Ill.
leenan Bros. Co., tanks (all kinds), 25th & A. V. R. R., Pittsburgh, Pa.
leer, E. J., & Co., tinware mfrs., 1422 N. 8th Phila., Pa.
eer Lime Co., Walkersville, Md.
lister, G., architect, Billings, Mont.
llaster & Bennett, naval archts., Central Bldg., Seattle, Wash.
llaster, J. E., & Sons, flour mills, Gouverneur, N. Y.
lister & Bell, flour mills, Covington, Va.
llister Dry Dock & Shipyard Co., machsts. & fndrs., marine rys. & ship bldrs., 24 State, New York.
lister & Kline, cornices & skylights, Lancaster, Pa.
lister Lbr. & Supply Co., mill & factory supplies, Boulder, Colo.
lister, R. H., Co., mill & factory supplies, Grand Island, Neb.
lister & Son Constr. Co., Lewis Bldg., Portland, Ore.
lister, T. H.-Keller Co., stereopticons, 176 Fulton, New York.
lister, W. B., Co., contractors, 2165 E. 31st, Cleveland, O.
pine, A., machsts. & fndrs., Lincoln, Neb.
pine, Geo. M., contr., Sarasota, Fla.
pine, W. J., contractor, Dixon, Ill.
nelly Hardware Co., Huntsville, Ala.
nespie, J., & Co., woolens, Lancaster, Ohio.
rdle & Co., 2nd hand barrels, 38th pl & Gage, U. S. Yards, Chicago, Ill.
dle & Cooney, steam fitters' supplies, 519 Arch, Phila., Pa.
rdle, James W., contractor, 166 Devonshire, Boston, Mass.
dle, Montrose P., architect, Chemical Bldg., St. Louis, Mo.
dle, P. H., machy. dlr., 429 Carondelet, New Orleans, La.
dle, Wm. H., & Son, archl. iron, 511 Bainbridge, Phila., Pa.
thur, Albert C., architect, 39 W. Adams, Chicago, Ill.
thur Brick Co., McArthur, Ohio.
thur Cut Stone Co., 4650 Iowa, Chicago, Ill.
thur, Geo., & Son, towels, Baraboo, Wis.
thur, J. G., architect, Keeline bldg, Omaha, Neb.
thur Portable Fire Escape Co., Cleveland, Ohio.
thur, W. T., turpentine, McGregor, Ga.
ee, Jno. C., contractor, Clearfield, Pa.
ley Automatic Trap Co., steam, Imperial Power bldg., Pittsburgh, Pa.
ley, J. B., contractor, Galesburg, Ill.
liffe & Co., carriages, 108 W. 53d, New York.
liffe & Mehegan, contrs., 720 Main, Hartford, Conn.
liffe Non-Siphoning Trap Co., 127 Purchase, Boston, Mass.
liffe, T. G., plumbers' supplies—jobbers, Augusta, Ga.
oy Vitrified Brick Co., Phila., Pa.
e Binder Co., Athens, Ohio.
ady, Jno. E., & Son, cornices, Portland, Me.
atney, Robert, & Co., airplane linen, 121 Franklin, New York.
ayer Canning Co., McBrayer, Ky.
ide, C. L., Mfg. Co., canvas gloves & glove stretchers, Toledo, Ohio.
de, Jas., Flooring Corp., 2417 Valentine av, New York.
de, Michl. J., cornices, South Bethlehem, Pa.
de, R. L., architect, Independence, Mo.
de, T., & Son, masons' & bldrs.' matls., Elgin, Ill.
de, Thomas, lamp chimneys, Industrial, W. Va.
pe, Benj., Bro., cocoa mats & matting, 37 E. 18th, New York.
pe, Bernard, Carriage Co., Pawtucket, R. I.
pe Boiler Wks., steam boilers, tanks, 195 Commerce, Newark, N. J.
pe Bros., contractors, Bayonne, N. J.
pe, Chas. A., conduit couplings, Wilkes-Barre, Pa.
pe Constr. Co., 1758 Central av, Cincinnati, Ohio.
pe, E., & Co., boiler makers, Lawrence, Mass.
pe, E. R., & Co., flour mills, Jackson, Tenn.
pe, Edw., stone producers, New Baltimore, N. Y.
pe Fertz. Co., Charleston, S. C.
pe, Geo. M., architect, 96 6th av, New York.
pe, Geo., & Son, tubular boilers, Richmond, Va.
pe-Hanger Mfg. Co., door hanger mfrs., 426-428 W. 25th, New York. *See adv. index at end of book.*
pe, J., & Co., photographic mounts, 215 Pearl, New York.
pe, J. J., Lathe & Machy Corp., machy dlrs., 149 B'way, New York.
pe, Jas. F., Co., contractors, Equitable Bldg., Balto., Md.
pe Mfg. Co., flanging mach. mfrs., Water, Lawrence, Mass.
pe, Peter, masons' & bldrs.' matls., Albany, N. Y.

McCabe-Powers Carriage Co., 1217 N. B'way, St. Louis, Mo.
McCabe, W. F., Contr. Co., White Plains, N. Y.
McCabe, Walter, lumber, Knoxville, Tenn.
McCadden Machine Works, engine pistons, 316 6th av, N., St. Cloud, Minn.
McCafferty, J. H., Co., machsts. & fndrs., 434 Harrison av, Boston, Mass.
McCafferty, Jas. A., & Sons Mfg. Co., paint mfrs., 505 Driggs av, Brooklyn, N. Y.
McCaffrey File Co., 5th & Berks, Philadelphia, Pa.
McCaghey, P. B., Co., contrs., Little Falls, N. Y.
McCahan, W. J., Sugar Refining Co., Chestnut & Front, Philadelphia, Pa.
McCahill Soda Fountain Co., 407 W. 59th, New York.
McCain, W. W., radiator air moisteners, Indianapolis, Ind.
McCairns Fdry. Co., Connellsville, Pa.
McCall, C. W., architect, Central Bk. Bldg., Oakland, Cal.
McCall Constr. Co., 327 S. La Salle, Chicago, Ill.
McCall Incinerator Co., Memphis, Tenn.
McCall Machine Works, dies, etc., Rochester, N. Y.
McCall, Thos., architect, 843 Ridge av, Evanston, Ill.
McCalla, Harold, Co., tin plate, metals, etc., 444 Fairmount av, Philadelphia, Pa.
McCallip Mfg. Co., wire crimping & cutting machines, 62 W. Naghten, Columbus, O.
McCallister, Wm. H., masons' & bldrs.' matls., Hurricane, W. Va.
McCallum, John, contractor, 323 E. 22d, New York.
McCallum, Wm., cornices, Battle Creek, Mich.
McCalman Const. Co., contrs., Decatur, Ill.
McCalmont & Co., masons' & bldrs.' matls., Bellefonte, Pa.
McCambridge Co., brass pipe fittings, 315 N. 20th, Phila., Pa.
McCammon, L. H., Bros., masons' & bldrs.' matls., Johnston Bldg., Cincinnati, Ohio.
McCandless, Chas. W., contr., 1208 Palo Alto, Pittsburgh, Pa.
McCandless, H. W., & Co., decorative elec. lighting, 406 W. 31st, New York.
McCann Bldg. Co., 68 State, Albany, N. Y.
McCann Co., contractors, Evanston, Ill.
McCann, E. G., architect, Maryville, Ohio.
McCann Iron Wks., Inc., archl. iron, 249 E. 138th, New York.
McCann, J. J., masons' & bldrs.' matls., Poughkeepsie, N. Y.
McCann's, D. E., Sons, carriages, Portland, Me.
McCants, J. J., flour, Butler, Ga.
McCardell & Co., carriages & trolley wagons, Trenton, N. J.
McCardell, R. W., cornices & skylights, Little Rock, Ark.
McCargar, L. B., Mfg. Co., agrl. implts., North Kansas City, Mo.
McCarroll Bros., cornices & skylights, stoves, etc., Ottumwa, Ia.
McCarroll Lumber Co., Ltd., Holden, La.
McCarroll, W. W., machsts., Geneva, N. Y.
McCarron, Wm. E., asbestos, cement, 601 Milwaukee av, Chicago, Ill.
McCarten, A. J., contractor, Mount Vernon, N. Y.
McCarthy Bros., contractors, 10 S. La Salle, Chicago, Ill.
McCarthy Bros., masons' & bldrs.' supplies, Auburn, N. Y.
McCarthy Bros. & Ford, dynamo & motor mfrs., Buffalo, N. Y.
McCarthy, D. F., cornices, Waterbury, Conn.
McCarthy Drill & Tool Corp. See Fastfeed Drill & Tool Corp. (successor).
McCarthy, Felix, expansion joints, Pottstown, Pa.
McCarthy, Geo. T., contr., 929 Ironistan av, Bridgeport, Conn.
McCarthy Improvement Co., contractors, Davenport, Ia.
McCarthy, Jas., stone producers, wkrs. & dlrs., 439 W. 47th, New York.
McCarthy, Jas F., contractor, 80 N. Chambers, New York.
McCarthy, John A., & Bro., masons' & bldrs.' matls., 551 Exterior, New York.
McCarthy, John J., architect, New Britain, Conn.
McCarthy, Jos. W., architect, 139 N Clark, Chicago, Ill.
McCarthy Lumber & Constr. Co., Farmington, Mo.
McCarthy, M. C., contractor, Bloomington, Ill.
McCarthy & Malinski, mill & facty. supplies, Cairo, Ill.
McCarthy, Michael J., contr., 2910 Woodburn av, Cincinnati, O.
McCarthy, Patrick, mason contr., Bridgeport, Conn.
McCarthy, R. Jr., architect, Hennen bldg, New Orleans, La.
McCarthy, Richard, Jr., contr., 518 Carondelet, New Orleans, La.
McCarthy & Sons Co., contractors, Princeton, N. J.
McCarthy, T. C., contractor, Madison, Wis.
McCarthy, T. F., felt & axle washers, 255 A. S. Boston, Mass.
McCarthy, W. B., scrap iron, Rose Bldg., Cleveland, Ohio.
McCarthy, W. T., architect, 16 Court, Brooklyn, N. Y.
McCarthy, Wm. J., Co., bldg. contrs.—stone, Somerville, Mass.
McCarty, Chas. J., & Co., mill & factory supplies, 48 Pearl, Boston, Mass.
McCarty, Chas. O., mill & facty. supplies, 300 W. Water, Syracuse, N. Y.
McCarty, J. C., & Co., nitre boxes & whol. hdwe., 29 Murray, New York.
McCarty, Merrell S., contr., 7107 Manchester, St. Louis, Mo.
McCarty & Moore, machsts. & fndrs., Leadville, Colo.
McCaskey Register Co., Alliance, Ohio.
McCaskill, J. J., Co., lbr. & turpentine, Freeport, Fla.
McCaslin, Jas. R., contractor, Youngstown, Ohio.
McCathron Boiler Wks. Co., Bridgeport, Conn.
McCaughey Mill Co., lumber, Fortson, Wash.
McCaul, Chas., Co., contractors, 1715 Sansom, Philadelphia, Pa.
McCauley Belting Co., leather belting, 412 Orleans, Chicago, Ill.
McCauley, Chas., scrap iron & steel, Montpelier, Ind.

McCauley, Geo. A., masons' & bldrs.' matls., Anoka, Minn.
McCauley, J. L., architect, New York Block bldg, Seattle, Wash.
McCauley, J., & W., packing box mfrs., 636 Filbert, Phila., Pa.
McCauley, W. H., & Son, contrs., 1018 Mrymns av, Balto., Md.
McCauliff, F. A., granite, Fitchburgh, Mass.
McCaulley, Harry, contractor, 42 Helen, New Haven, Conn.
McCauly Storage Battery Co., 1060 St. Clair, Cleveland, Ohio.
McCausland Bros., brick, Akron, Ohio.
McCausland, J. N., & Co., cornices & skylights, Charlotte, N. C.
McCausland, John, paper sleeves, East Providence, R. I.
McCausland, W. H., Son, contrs., 116 Larned W., Detroit, Mich.
McCavick Constr. Co., Dallas, Tex.
McCay, H. B., cornices & skylights, Bozeman, Mont.
McCherry Co., wooden handles, 81 Walker, New York.
McChesney, J. S., & Co., hose bands, 141 W. Ohio, Chicago, Ill.
McChesney & Tracy Lbr., Co., 120 Plum, Syracuse, N. Y.
McClanahan & Shea, cornices & skylights, Maysville, Ky.
McClanahan & Terry, architects, Columbus, Miss.
McClaran, E. E., architect, Lumber Exchange, Portland, Ore.
McClary-Jemison Machine Co., Birmingham, Ala.
McClave, Brooks Co., mechanical stokers, grate bars & castings, Poplar, Scranton, Pa.
McClave Grate Bar Co., grate bar mfrs., 30 Warren, New York.
McClave Mining Co., bituminous coal mine, Washington, Pa.
McClay, A. W., contractor, Richmond, Va.
McClay, John H., contr., Hammond, Ind.
McClean, C. & W. Merc. Co., fish nets & seines, 1019 Washington av, St. Louis, Mo.
McClean, Geo. H., Co., steam htg. contrs., Springfield, Mass.
McCleary, Henry, Timber Co., McCleary, Wash.
McCleland, Thos., Hardware Co., Jackson, Miss.
McClellan, A. H., machinist, Montague, Cal.
McClellan, Chas. P., auto. tops, Fall River, Mass.
McClellan & Gotwalt, Ltd., masons' & bldrs.' matls., York, Pa.
McClellan, James A., turpentine, Monticello, Fla.
McClellan, Jos. B., contractors, 131 State, Boston, Mass.
McClellan Paper Co., 700 S. 4th, Minneapolis, Minn.
McClellan Refrigerating Mach. Co., 570 W. Adams, Chicago, Ill.
McClellan, Wm., Co., files, 3444 Hamilton rd, Cleveland, Ohio.
McClelland, N. E., & Co., Ltd., naval architects, 2 Stone, New York
McClelland, R. H., cornices, 4220 E. 56th, Kansas City, Mo.
McClelland, T. W., Co., lumber mfrs., Davenport, Ia.
McClelland Tile Co., brick, Laurelville, Ohio.
McClellanville Canning Co., McClellanville, S. C.
McCleman, H. A., & Bro., contractors, 13th & Shunk, Phila., Pa.
McClenahan, H. J., & Co., machsts., 617 Water, Baltimore, Md.
McClenahan, Kramer-Carter Co., Inc., contrs., Rialto Bldg., San Francisco, Cal.
McClenahan, T. W., & Co., contrs., Rialto Bldg., San Fran., Cal.
McClernan & Co., cabinets, 122 S. Michigan av, Chicago, Ill.
McCleverty, Jas., duster mfrs., 148 Wildey, Philadelphia, Pa.
McClintic-Marshall Co., machsts. & fndrs., Lexington & P. R. R., Pittsburgh, Pa.
McClintic-Marshall Construction Co., bridges, Oliver bldg, Pittsburgh, Pa.
McClintock, A., steam htg. contrs., 1937 Ridge av, Phila., Pa.
McClintock & Craig, architects, 33 Lyman, Springfield, Mass.
McClintock, John T., architect, 15 Exchange, Boston, Mass.
McClintock, O. B., Co., switches, Minneapolis, Minn.
McClintock & Weaver, contrs., 24 N. Phila., Ellena, Germantown, Philadelphia, Pa.
McClinton & Co., carriages, 309 Sandusky, Pittsburgh, Pa.
McClinton Mfg. Co., drilled well buckets, Ft. Smith, Ark.
McClory, Howard, architect, 4th Natl. Bk. bldg, Cincinnati, O.
McCloskey & Bahls, contractors, 1820 Thompson, Phila., Pa.
McCloskey Varnish Co., S. 30th, c Locust, Philadelphia, Pa.
McCloud River Lbr. Co., McCloud, Cal.
McCloud, Wm. J., & Co., contractors, Elizabeth, N. J.
McClung, C. M., & Co., plumbers', mill & facty. supplies & wholesale hardware, Knoxville, Tenn.
McClunie, J. A., naval archt., 177 Asylum, Hartford, Conn.
McClure Co., silos, Saginaw, Mich.
McClure Contracting Co., 61 E. 6th, St. Paul, Minn.
McClure, G. W., Son & Co., open hearth furnace, Bessemer Bldg., Pittsburgh, Pa.
McClure, Geo. W., & Son, archts., 34 Gates Circle, Buffalo, N. Y.
McClure, J. W., machst. & fndr., Assumption, Ill.
McClure, Jas., bldg. contr., McClure Bldg., St. Paul, Minn
McClure, John C., patterns & models, 21 Hackett, Newark, N. J.
McClure, Johnston & Co., tin plate & metals, 1143 Liberty av, Pittsburgh, Pa.
McClure Lumber Co., Wagar, Ala.
McClure Mfg. Co., kitchen cabinets, Marion, Ind.
McClure, R. P., Constr. Co., 2601 N. Union, St. Louis, Mo.
McClure-Taylor Co., fertilizer, Duluth, Ga.
McCluskey, H. & T., & Sons, wire & wire screening, New Haven, Conn.
McCoig, Harry L., & Co., contractors, 348 McKnight, Minneapolis, Minn.
McColgan, J. W., cooperage stock mfrs., Dexter, Mo.
McColl & Abare, granite, Barre, Vt.
McCollam, H. C., contr., Redding Ridge, Conn.
McCollan, Wm., stone, Wayne, Pa.
McCollin, Thos. H., & Co., architects' instruments & supplies, 54 N. 9th, Philadelphia, Pa.
McCollum, Earl E., contr., Downers Grove, Ill.
McCollum, J. M., architect, Berger Bldg., Pittsburgh, Pa.
McComas Bros., fertilizer mfrs. & masons' & bldrs.' matls., Bel Air, Md.
McComas, G. W., & Co., canned goods, Monrovia, Md.
McComas, Geo. W., & Sons, canned goods, Singer, Md.
McComb Bros., harness, Wichita, Kans.
McComb Supply Co., whol. hdwe., Jellico, Tenn.
McComb, Thos., mill & facty. supplies, 209 Shipley, Wilmington Del.
McComeskey, T., harness twine, fish lines, etc., 3731 Frankford, Philadelphia, Pa.
McConegly, Frank P., contractor, 6023 St. Maria, Pittsburgh, Pa
McConnell & Bro., cornices, Ashland, Pa.
McConnell-Browning Eng. Co., machsts., 1015 E. Cary, Richmond, Va.
McConnell Hardware Co., steam fitters' supplies, Hurley, Wis.
McConnell Slate Co., plumbers' slate, 2445 Pacific, Brooklyn N. Y.
McConnell, Wm. H., elec. contr., Monterey, Cal.
McConnell, S. R., & I. C., Co., horse collars, Burlington, Ia.
McConnell & Watterson Co., masons' & bldrs.' matls., Kittanning, Pa.
McConnochie, Wm. & Sons, contrs, Rock Island, Ill.
McConway & Torley Co., fndrs., 48th & A. V. R. R., Pittsburgh, Pa.
McCook Brick Co., McCook, Neb.
McCoppin, Jos., contractor, Little Rock, Ark.
McCord & Co., journal boxes, dust guards, 122 S. Michigan av Chicago, Ill.
McCord, Horace M., & Co., carboy rockers, Lumber Exchange Minneapolis, Minn.
McCord & Ives, architects, Powers Bldg., Rochester, N. Y.
McCord Mfg. Co., carburetors, metallic gaskets, sash locks, etc., 2587 E. Gd. blvd, Detroit, Mich.
McCorkell & Hurd, machsts. & fndrs., Flint, Mich.
McCormack, Chas. B., & Son, contrs., Columbia Bldg., St. Louis Mo.
McCormack-Combs Constr. Co., Columbia Bldg., St. Louis, Mo
McCormack, P. H., Co., stone producers, Columbus, Ind.
McCormick, A. D., contractor, Holyoke, Mass.
McCormick Bros., harvesters—blue grass, Winchester, Ky.
McCormick Bros. Iron Works, Main & Folsom, San Fran., Cal.
McCormick Co., advertising novelties, Coshocton, Ohio.
McCormick Co., Inc., architect, 41 Park row, New York
McCormick, D. G., Co., turpentine, Edge, Fla.
McCormick, D., & Son, stone, Holyoke, Mass.
McCormick, E. H., & Sons, patent leather, Av C, Newark, N. J.
McCormick, E. J., Rubber Co., dental rubber, Lodi, N. J.
McCormick, Eugene, architect, Brookhaven, Miss.
McCormick & French, archts., 2d Nat. Bk. Bldg., Wilkes-Barre Pa.
McCormick, Geo. H., Son & Co., brick, Gallipolis, Ohio.
McCormick, Harry E., archt., 270 Main, New Rochelle, N. Y.
McCormick, J. S., Co., pattern letters & figures, 25th & A. V. R. R., Pittsburgh, Pa.
McCormick, John C., contractor, Ottawa, Ill.
McCormick, Jos., contractor, East Providence, R. I.
McCormick, Jos. M., & Bro., contractors, Erie, Pa.
McCormick Laboratories Co., Dayton, Ohio.
McCormick Lumber Co., McCormick, Wash.
McCormick, M. L., & Bro., carriages, Penna av & Retreat, Baltimore, Md.
McCormick Mfg. Co., machsts., Dayton, Ohio.
McCormick Plumbing Supply Co., 179 Baker, Detroit, Mich.
McCormick, S. O., masons' & bldrs.' matls., New Salem, Pa.
McCormick-Saeltzner Co., mill & facty. supplies—wholsale hdwe Redding, Cal.
McCormick, Thos. E., contractor, 810 Lincoln rd, Brooklyn, N. Y
McCormick, W. H., & Son, mill & facty. supplies, Perth Amboy N. J.
McCormick, Wm. D., architect, Century Bldg., Pittsburgh, Pa.
McCormick Wks., machsts. & brass fndrs., Blue & Western av Chicago, Ill.
McCormick & Co., glue mfrs., McCormick bldg, Baltimore, Md.
McCorquodale, W. M., contr., Lake Charles, La.
McCosh & Co., masons' & bldrs.' matls., Davenport, Ia.
McCourt Label Cabinet Co., Bradford, Pa.
McCoy-Brandt Mach'y Co., 210-214 Penn av, Pittsburgh, Pa.
McCoy Brick & Tile Co., Augusta, Ga.
McCoy Canning Co., Urbana, Ohio.
McCoy, F. J., tool holders, Marine Bank Bldg., Erie, Pa.
McCoy, Henry J., mill & facty. supplies, 65 Dey, New York.
McCoy, J. B., & Son, elec. & gas light fixture mfrs., machsts. fndrs., 114 W. 30th, New York.
McCoy, Jos. F., Co., shears, miners' safety lamps, hygrometers wholesale hardware, 157 Chambers, New York.
McCoy & Kadden, architect, Danville, Ill.
McCoy-Linn Iron Co., Milesburg, Pa.
McCoy Lumber Co., 847 Sec. Bk. Bldg., Minneapolis, Minn.
McCoy, P. J., & Co., Inc., talking machines, 70 Ferry, Newark N. J.
McCoy-Nelson Sanitary Stoneware Co., Roseville, Ohio.
McCoy, S. Howard, contr., Wilmington, Del.
McCoy Silo Form Co., concrete forms, Bakewell Bldg., Pittsburgh, Pa.
McCoy, Thos., & Sons, fndrs., San Diego, Cal.
McCracken, E. Leo., architect, 417 Main, Springfield, Mass.

Cracken, J., Co., masons' & bldrs.' matls., Blake-McFall Bldg., Portland, Ore.
Cracken, J. E., Supply Co., masons' & bldrs.' matls., 629 E. Front, Cincinnati, Ohio.
Cracken, M. J., flour mills, Waynesville, N. C.
Crady, A. C., cornices, Watertown, N. Y.
Crady Bros. Co., masons' & bldrs.' matls.—contrs., Braddock, Pa.
Crary, J. B., Co., contractors, Atlanta, Ga.
Cray, J. Henry, architect, Rockville, Conn.
Cray, R. H., Co., contrs., Am. Bank Bldg., Los Angeles, Cal.
Cray Refrigerator Co., 6655 Lake, Kendallville, Ind.
Cray, Wm. H., contractor, Evans bldg, Washington, D.C.
Crea, A. Wallace, architect, 23 E. 15th, New York
Crea, G. E., archit., 1st Nat. Bank Bldg., Oakland, Cal.
Crea, Jas., & Co., clamps, reseaters, etc., 562 W. Washington, Chicago, Ill.
Cready, J. B., machst., Parksley, Va.
Cready, John, lumber, Twining, Mich.
Cready, R. W., Cork Co., 344 W. Illinois, Chicago, Ill.
Cready & Webster, canned goods, Chance, Md.
Creary, Edw., machsts., Cohoes, N. Y.
Creary Lumber Co., Franklinton, La.
Creary Mfg. Co., mailing tubes, Erie, Pa.
Creary & Willard, contractors, Spokane, Wash.
Credie, Jas., masons' & bldrs.' matls., Aurora, Ill.
Creevy & Ortman Co., masons' & bldrs.' matls., Dayton, O.
Crillis Handle Co., Norwalk, Ohio.
Crimmon, W. C., lbr., Mt. Vernon, Ga.
Crosky Reamer Co., elec. fixtures, Meadville, Pa.
Crubbin, Wm. M., brick, Braymer, Mo.
Crue, John J., cut glassware, 683 Lorimer, Brooklyn, N. Y.
Crue, Thos. J. ,contrs., Watertown, Mass.
Culloch, A. P., Machine Co., machinists, 216 High, Boston, Mass.
Culloch, M., canned goods, Buchanan, Va.
Culloch & Moss Lbr. Co., 310 Lbr. Ex., Minneapolis, Minn.
Culloh, R. N., & Co., contractors, 118 E. Lexington, Balto., Md.
Cullom, Geo., pipe hangers, Muskegon, Mich.
Cullough & Cheney, contrs., Temple ct, Minneapolis, Minn.
Cullough-Dalzell Crucible Co., 36th & A. V. R. R., Pittsburgh, Pa.
Cullough, H., masons' & bldrs.' matls., Swedesboro, N. J.
Cullough, Herbert M., architect, Ferguson Bldg., Ptg., Pa.
Cullough Iron Co., iron sheets & roofing, Equitable Bldg., Wilmington, Del.
Cullough, Jas. A., architect, 1631 M, Sacramento, Cal.
Cullough, Jas., Jr., masons' & bldrs.' matls., Kittanning, Pa.
Cullough, John, scrap iron & steel, New Bedford, Mass.
Cullough Lumber & Coal Co., Monmouth, Ill.
Cullough L'br Co., 112 Market, San Francisco, Cal.
Cullough Mfg. Co., lubricators, oil pumps, 2636 Central av, N. C., Minneapolis, Minn. *See adv. index at end of book.*
Cullough, Richard H., sash, door & blind, Plainfield, N. J.
Cullough, W. J., Co., machsts. & fndrs., Ypsilanti, Mich.
Cully & Miles Co., glass mosaic wk., 202 N. Wabash av, Chicago, Ill.
Cully, R. P. & C. H., Inc., sheet metal stamping, screw mach. products, etc., 331 Van Buren, Brooklyn, N. Y.
Cumber, C. W., & Son, contrs., 140 S. Dearborn, Chicago, Ill.
Cumber, Wm., & Son, contrs., 140 S. Dearborn, Chicago, Ill.
Cun, Thos., & Son, contractors, Brookline, Mass.
Cune, F. G., architect, Winne Bldg., Wichita, Kans.
Curdy, Bernard, steel flag poles, 9th & Arch, Phila., Pa.
Curdy-Miller Co., elec. & gas light fixtures, Van Nuys Bldg., Los Angeles, Cal.
Curtcheon Bros. & Quality, printing inks, 1130 Callowhill, Philadelphia, Pa.
Curtcheon, C. H., mill & facty. supplies, 27 Washington, Buffalo, N. Y.
Cade, Chas. A., & Co., fndrs., Wilkes-Barre, Pa.
Cade Pottery, McDade, Tex.
Cade Shingle Co., Elbe, Wash.
Caniel, A. H., masons' & bldrs.' matls., Augusta, Ga.
Caniel, C. E., domestic water works, boilers, Ottumwa, Ia.
Caniel, J. L., lbr. Fernbank, Ala.
Caniel Milling Co., flour, Carthage, Mo.
Caniel, R. B., Co., contractors, New Brighton, Pa.
Caniel & Son, steel tanks, windmills, Litchfield, Ill.
Caniels, Wm., lumber, Conconully, Wash.
Cavid, Veneer Co., lbr., Brewton, Ala.
Carmaid, J., churns, dog power treads, Rockford, Ill.
Carmott Bros., contractors, 18 Cedar, Worcester, Mass.
Carmott Bros., tanks & dryers mfrs., Allentown, Pa.
Carmott, Chas., Co., contractors, Penna. Bldg., Philadelphia, Pa.
Carmott, Edward, Co., archts., 582 Spring, W. Hoboken, N. J.
Carmott Engineering Co., tubular boilers, Jordan & Whitehall, Allentown, Pa.
Carmott & Hanigan, contrs., 120 W. 165th, New York.
Carmott, Jno., Co., contractors, Schenectady, N. Y.
Carmott, P. J., machsts., Martin's Ferry, Ohio.
Carmott Stone Co., McDermott, Ohio.
Carmott Surgical Instrument Co., 734 Poydras, New Orleans, La.
Carmott, Wm., contractor, Stapleton, N. Y.
Canald, A. H., gas engines, 547 W. Monroe, Chicago, Ill.

McDonald, A. Y., Mfg. Co., mill & facty., plumbers' & steam fitters' supplies, 12th & Pine, Dubuque, Iowa.
McDonald, Albert C., architect, 80 Griswold, Detroit, Mich.
McDonald, Alex., stone producers, Trenton, N. J.
McDonald, Alex., trunks, 15 Beacon, Boston, Mass.
McDonald, Andrew W., contractor, Steubenville, Ohio.
McDonald Bros., automobile tire trunks, Seattle, Wash.
McDonald Bros., lumber mfrs., Helena, Ark.
McDonald, C. C., archt., 1st Nat. Bk. Bldg., Houston, Tex.
McDonald, C. S., archt., Brooks Arcade Bldg., Salt Lake City, Utah.
McDonald, Chas. W., contractor, 3923 B'way, New York.
McDonald, D., & Co., gas meters, Albany, N. Y.
McDonald, E. L., & Son, contractors, Lebanon, Ind.
McDonald Educational Inst., engng. schools & coll., 7th & Walnut, Cincinnati, Ohio.
McDonald Elec. Co., watch demagnetizers, Chenoa, Ill.
McDonald Fdry., iron castings, Columbus, Ohio.
McDonald & Hartman, masons' & bldrs.' matls., Rochester, Pa.
McDonald, J., & Co., contractors, 37 S. Clinton, Chicago, Ill.
McDonald, J. A., Co., masons' & bldrs.' matls., Miami, Fla.
McDonald, J. C., & Son, brick, Hammond Bldg., Detroit, Mich.
McDonald, J. S., Co., loose leaf devices, 638 Federal, Chicago, Ill.
McDonald, J. W., Co., contrs., Monadnock Bldg., San Fran., Cal.
McDonald, J. W., Sons, flour mills, Rogersville, Tenn.
McDonald, Jas., contractor, Delaware, Ohio.
McDonald, Jas. A., architect, 1630 Surf av, Brooklyn, N. Y.
McDonald, Jas., & Sons Co., plumbers' supplies—jobbers, lead pipe, 9th & Sycamore, Cincinnati, Ohio.
McDonald, John & Allen, architects, Omaha Bk. bldg, Omaha, Neb.
McDonald, John F., Lumber Corp., Lumber Exch., Minneapolis, Minn.
McDonald, John S., machst., New Orleans, La.
McDonald, Jno. W., & Son, lbr. mfrs., 106 Wall, New York.
McDonald, Kenneth, Sr., architect, Call Bldg., San Fran., Cal.
McDonald & Kivell, contractors, 10 High, Boston, Mass.
McDonald, Luther W., architect, 849 73rd, Chicago, Ill.
McDonald Mach. Co., 3207 Shields av, Chicago, Ill.
McDonald Mfg. Co., lbr., Portland, Me.
McDonald Paint & Glass Co., 1403 Grand av, Kansas City, Mo.
McDonald, R. D., joint holders, De Land, Fla.
McDonald & Weaver, fertilizer, Cuthbert, Ga.
McDonald, Wm., Sons, agricultural implements, Lapeer, Mich.
McDonnell, J., Harold, architect, Glens Falls, N. Y.
McDonnell Boiler & Iron Wks., tanks & boilers, 121 E. Court av, Des Moines, Ia.
McDonnell & Brannen, machsts. & fndrs., Bolivar, N. Y.
McDonnell Brick Co., Middletown, Conn.
McDonnell, D. P. J., stone producer, Clinton, Ia.
McDonnell Foundry & Machine Co., Jackson, Miss.
McDonnell, J. Philip, architect, Ford Bldg., Detroit, Mich.
McDonnell, J. W., Lbr. Co., Seattle, Wash.
McDonnell Odemeter Co., speed indicators, etc., 3501-3 S. Kedzie av, Chicago, Ill.
McDonnell, P., contractor, Duluth, Minn.
McDonnell & Sons, stone, 858 Main, Buffalo, N. Y.
McDonnell, T. F., & Co., contractors, Waterloo, Ia.
McDonough Automatic Regulator Co., machsts., 716 Grand River av, Detroit, Mich.
McDonough, E. J., & Co., meat packers, Peoria, Ill.
McDonough, H., contractor, 265 Bergen av, Jersey City, N. J.
McDonough Iron Wks., Galveston, Tex.
McDouough, J. J., machinist, Savannah, Ga.
McDonough, John, contractor, 394 Bleecker, New York.
McDonough Mfg. Co., machsts., woodworking machy. & fndrs., Eau Claire, Wis.
McDonough, Mich'l, Co., contractors, Swampscott, Mass.
McDougald, Outland & Co., turpentine, Clito, Ga.
McDougal, Victor, brick, North Robinson, Ohio.
McDougald, J. A., turpentine, Statesboro, Ga.
McDougall, Benj. G., architect, 381 Marke, San Francisco, Cal.
McDougall Bros., architects, Russ Bldg., San Francisco, Cal.
McDougall Co., kitchen cabinets, Frankfort, Ind.
McDougall-Duluth Co., steel shipbuilders, Duluth, Minn.
McDougall, G. M., Co., landscape archts., 45 Monument pl, Indianapolis, Minn.
McDougall, Geo. B., archit., 1416 11th, Sacramento, Cal.
McDougall & Potter Co., machsts. & fndrs., 606 W. 55th, New York.
McDougall Varnish Co., 24 Evans, Buffalo, N. Y.
McDowell, Alfred H., contr., Marshallton, Del.
McDowell, Chas., masons' & bldrs.' matls., Mansfield, Pa.
McDowell & Co., 2d hand pipe, Galveston & Western, Pittsburgh, Pa.
McDowell, E. O., fixture joints, 30 Church, New York.
McDowell Fdry. Co., Chicago Heights, Ill.
McDowell & Henderson, architects, Burlington, Vt.
McDowell, John Kenyon, lbr. mfr., 211 Wilkinson, Syracuse, N. Y.
McDowell Mfg. Co., stamping inks, dies, water heaters, etc., Stanton av, Pittsburgh, Pa.
McDowell Oven Co., 282 State, Boston, Mass.
McDowell Paper Mills, Main & Levering, Philadelphia, Pa.
McDowell, R. G., & Co., architects, Good blk, Des Moines, Ia.
McDowell, W. B., architect, Lexington, Va.
McDowell, W. I., oil & gas well supplies, Knox, Pa.

McDuff, Wm. J., gas, gasoline & oil engines, Lakeport, N. H.
McDuffie-Emerson, machsts. & fndrs., Marion, S. C.
McDuffie Oil & Fertilizer Co., Thomson, Ga.
McEachern, J. A., Co., dock & ship bldrs., Seattle, Wash.
McEachern-McNair Lbr. Co., Meredith, Fla.
McEachern, W. D., Lbr. Co., Hawkinsville, Ga.
McElfatrick, Wm. H., theatre archt., 701 7th av, New York.
McElliott, D. P., medical batteries, 175 N. State, Chicago, Ill.
McElnea, David, contractor, Orange, N. J.
McElnea, Henry, contractor, West Orange, N. J.
McElraevy & Hauck Co., plumbers', mill & facty. supplies—jobbers, 440 Broadway, Brooklyn, N. Y.
McElroy, Clifford T., Esq., architects, Palace bldg, Minneapolis, Minn.
McElroy & Holmden, contrs., Billings, Mont.
McElwaine Mfg. & Auto Co., machsts. & fndrs., Bradford, Pa.
McElwee Bros., contractors, 1629 South, Philadelphia, Pa.
McEnhill Bros., contractors, 637 Baker, Detroit, Mich.
McEntee, Geo. H., contractor, 1123 B'way, New York.
McEntire Brothers, mattresses, Topeka, Kans.
McErlain & Jackson Co., masons' & bldrs.' matls., South Bend, Ind.
McEvoy Bros., contrs., Harrison, N. J.
McEvoy, Chas. H., cords, elec. card tips, Lowell, Mass.
McEvoy, J. H., & Co., oil & gas well supplies, Houston, Tex.
McEwan Bros., paper & pulp mills, Whippany, N. J.
McEwen Bros., machsts. & fndrs., Wellsville, N. Y.
McEwen Bldg. & Mfg. Co., sash, door & blind mfrs., 828 Wells, Chicago, Ill.
McEwen, Joseph, Jr., contrs., Woodbridge, N. J.
McEwan Lbr. Co., Azalea, N. C.
McEwen Mfg. Co., gas engines, Tulsa, Okla.
McEwing & Thomas Clay Products Co., hollow brick, Fullerton Bldg., St. Louis, Mo.
McFadden, John, cornices & skylights, Santa Ana, Cal.
McFadden Plumbing & Heating Co., New Brunswick, N. J.
McFaddin Rice Milling Co., Beaumont, Tex.
McFaddin, H. G., & Co., lamps & lighting fixtures, 38 Warren, New York.
McFarlan Motor Co., auto. bldrs., Connersville, Ind.
McFarland Bros., tubular boilers, 5527 S. State, Chicago, Ill.
McFarland, C. T., & Herbert, architects, 162 Newbury, Boston, Mass.
McFarland, E. H., architect, Valley City, N. D.
McFarland Foundry & Machine Co., castings, patterns & models & rubber molds, Trenton, N. J.
McFarland-Hyde Co., cornices, fire proof doors & windows, 2701 S. 5th av, Chicago, Ill.
McFarland, Jesse D., architect, 721 Olive, St. Louis, Mo.
McFarland Meade Co., metallic window frame, Woodland av & 46th, Philadelphia, Pa.
McFarlane & Co., machsts. & fndrs., Black Hawk, Colo.
McFarlane, Eggers Mach'y Co., mining & milling machy., Denver, Colo.
McFarlane Mfg. Co., wire rope tramways—machsts. & fndrs., & mill & facty. supps., Denver, Colo.
McFaul-Perkins Co., lumber mfgrs., Chronicle Bldg., San Francisco, Cal.
McFeely Brick Co., Latrobe, & 1st Nat. Bk. Bldg., Pittsburgh, Pa.
McFeely Bros., masons' & bldrs.' matls.—contrs., Steubenville, O.
McFeeters, Chas., contractor, 586 Orchard, New Haven, Conn.
McFell Signal Co., fire alarms, 2857 S. Halsted, Chicago, Ill.
McFerran, J. W., canned goods, Fincastle, Va.
McFerson & Foster Co., lbr. mfrs., Evansville, Ind.
McFetrick Lumber & Coal Co., masons' & bldrs.' matls., Valparaiso, Ind.
McFie, W. T., Supply Co., machinists' tools & supplies, 213 N Los Angeles, Los Angeles, Cal.
McGaffey Co., contrs., Albuquerque, N. Mexico.
McCaghey, P. B., & Co., contractors, Little Falls, N. Y.
McGahey & O'Connor, contractors, 166 Devonshire, Boston, & Cambridge, Mass.
**McGANN, THOS. F., & SONS CO.,** architectural & sculptural bronze, 117 Portland, Boston, Mass.
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McGarigle Mach. Co., miniature locomotives, Niagara Falls, N. Y.
McGarry, John A., & Co., contrs., 189 W. Madison, Chicago, Ill.
McGarry, W. P., Co., contractors, 306 Freeman, Brooklyn, N. Y.
McGarvey, G. A., architect, New Richland, Minn.
McGarvey, John N., contr., 61st & Oxford, Philadelphia, Pa.
McGaughey Bros. Hdwe. Co., Pine Bluff, Ark.
McGavic Lbr. Co., masons' & bldrs.' matls., Decatur, Ill.
McGavic, S. L., Lumber Co., Ottumwa, Ia.
McGavock Bros., masons' & bldrs.' matls., Beloit, Wis.
McGee, D. W., Constr. Co., 142 1st, Newark, N. J.
McGee & Lester, architects, Scimitar Bldg., Memphis, Tenn.
McGee, Jos., Iron & Brass Fdry. Co., 51 6th, L. I. City, N. Y.
McGee Mfg. Co., woolen blankets, Greenville, S. C.
McGee, O. G., & Son, foundry, 2312 E. Main, Richmond, Va.
McGee, Percy, Jr., architect, Mills Bldg., El Paso, Tex.
McGee-Ross Hardware Co., Jackson, Tenn.
McGee, W. J., contractor, Jackson, Miss.
McGeoy, Frank R., architect, Greenwood, Miss.
McGhee Rubber Co., mill & factory supplies, Dallas, Tex.
McGhee's Geo., Sons, stone, Elizabeth, N. J.
McGibbon Engng. & Iron Wks., tubular boilers, 14 Columbia, Brooklyn, N. Y.

McGill, E. G., contractor, Cumberland, Md.
McGill, H., architect, 635 St. Marks av, Brooklyn, N. Y.
McGill, Irvin H., contractor, 347 5th av, Pittsburgh, Pa.
McGill Mfg. Co., electrical specialties, lamp guards, etc., 26 Oa Valparaiso, Ind. *See adv index at end of book.*
McGill Metal Products Co., 1640 Walnut, Chicago, Ill.
McGill Ticket Punch Co., see McGill Metal Products Co. (su cessor).
McGillivray Construction Co., Sacramento, Cal.
McGillivray, J. J., architect, Black River Falls, Wis.
McGillivray Lbr. & Mfg. Co., sash, door & blind, Black Riv Falls, Wis.
McGilvray Stone Co., 634 Townsend, San Francisco, Cal.
McGinley Cut Stone Co., Altoona, Pa.
McGinley, Howard J., & Co., cornices, 1719 Ludlow, Phila., P
McGinn, G. W., & Co., contrs., Phelan Bldg., San Fran., Cal.
McGinnes Bros., contractors, 202 Milvale, Pittsburgh, Pa.
McGinness Co., heating contrs., 320 Liberty, Pittsburgh, Pa.
McGinnis & Co., sash, door & blind, Nashville, Tenn.
McGinnis, N. C., & Co., contractors, Memphis, Tenn.
McGirr, Edw. B., architect, 6 Beacon, Boston, Mass.
McGlashan, Norman, architect, 1123 B'way, New York.
McGlone Bros., spokes, Morehead, Ky.
McGloughlin Iron & Brass Fdry Co., Laconia, N. H.
McGoldrick Lumber Co., Spokane, Wash.
McGonegal, Frank E., machsts. & fndrs., Holly, Mich.
McGoodwin, Robt. R., architect, 34 S. 16th, Philadelphia, Pa.
McGoogan, J. J., machsts., St. Louis, Mo.
McGookin, D. H., bolt, nut & rivet mfrs., 1630 N. 9th, Phila., P
McGovern, M. H., contractor, 332 S. Michigan av, Chicago, I
McGovern, P. E., & Co., contrs., Punxsutawney, Pa.
McGovern & Smith, tubular boilers, 2046 E. Lehigh av, Phil delphia, Pa.
McGowan Bros. Hardware Co., Spokane, Wash.
McGowan, Jas., & Co., sash, door & blind mfrs., 14 Exchange Providence, R. I.
McGowan, John H., Co., pumps, etc., Fourth Nat'l Bank Bld Cincinnati, Ohio. *See adv. index at end of book.*
McGowan, P. J., & Sons, canned goods, McGowan, Wash.
McGowin-Foshee Lbr. Co., Falco, Ala.
McGowin-Lyons Hardware & Supply Co., Mobile, Ala.
McGowin, W. G., lbr., Jackson, Ala.
McGranor, Jas. G., contractor, 1900 Enoch, Pittsburgh, Pa.
McGrath Bros., granite, S. Quincy, Mass.
McGrath, Daniel W., contractor, New First Nat. Bk. Bldg Columbus, Ohio.
McGrath, H. J., Co., canned goods, Atlantic Wharf, Baltimor Md.
McGrath, J. H., Hardware Co., Hastings, Neb.
McGrath, J. T., & Son, machsts. & fndrs., Bloomington, Ill.
McGrath, Jas. E., lumber, Stillwater, Minn.
McGrath, John J., cotton waste, 1338 N. Front, Phila., Pa.
McGrath, Jno. L., stone producers, Phoenicia, N. Y.
McGrath, Michael, & Co., granite prod., B'way, L. I. City, N.
McGrath, Robert H., machsts. & fndrs., Lafayette, Ind.
McGratty & Sons, marble interior wk., 313 Butler, B'klyn, N.
McGratty & Wheeler, sash, door & blind, Haverhill, Mass.
McGraw Co., mill & facty. supplies, Sioux City, Ia.
McGraw & Crone, cornices, Jackson, Mich.
McGraw, Jas., Inc., mill & factory supplies—whol. hdwe., 1442 Main, Richmond, Va.
McGraw, Jas., Co., contrs., Commercial Trust Bldg., Phila., P
McGraw, John H., & Sons, contractors, Bellaire, Ohio.
McGraw Plaster Co., masons' & bldrs.' matls., Free Press Bld Detroit, Mich.
McGraw, R., ball cocks, Syracuse, N. Y.
McGraw & Stevenson, archts., Kokomo, Ind.
McGraw Tire & Rubber Co., East Palestine, Ohio.
McGraw-Yarbrough Co., plumbers' supplies—jobbers, Richmon Va.
McGreece, Jas. P., & Co., hdwe. mfrs., 262 Dover, Boston, Mas
McGreevy, McGuigen & Baum Constr. Co., Elmira, N. Y.
McGregor, J. F., & Co., hdwe. mfrs., Chattanooga, Tenn.
McGregor, James, landscape architect, Pelham Bay Park, N York
McGregor-Noe Hardware Co., Springfield, Mo.
McGregor & Sons, tex. machy., supplies (slasher combs, reeds Fall River, Mass.
McGregor Working Barrel Co., Bradford, Pa.
McGregory & Casman, stone prod., 531 Main, Springfield, Mas
McGrew, C. T., contr., Long Beach, Cal.
McGrew, F. L., architect, Idaho Falls, Idaho.
McGrory, Philip, scrap rubber, Trenton, N. J.
McGuffick, J. R., & Co., lubricating oils & greases, 148 Stewar San Francisco, Cal.
McGugin, R. H., blast furnaces, Olive Furnace, Ohio.
McGuigan, John, & Co., coal hole covers, 144 Stillman, S Francisco, Cal.
McGuigan, T., contractor, Meadville, Pa.
McGuinness, J. F., tin plate, metals, etc., Worcester, Mass.
McGuire, B. A., cornices, Rockford, Ill.
McGuire, B. C. J., grain cradles, Wilmore, Pa.
McGuire, Chas. F., steam fitters' supplies, Hornell, N. Y.
McGuire-Cummings Mfg. Co., machsts. & fndrs., Harris Trust Savings Bldg., Chicago, Ill.
McGuire, F. J., contractor, Norfolk, Va.
McGuire, H. J., contractor, Coppe Bldg., Los Angeles, Cal.

re, J. G., & Co., contractors, New Brighton, Pa.
re, J. J., contractor, 546 W. Van Buren, Chicago, Ill.
re, L. C., conduit & pipe benders, 414 37th, Brooklyn, . Y.
re, Milton H., architect, 101 Park av, New York.
re Nat. Lubrg. Oil & Supply Co., 2924 Locust, St. Louis, o.
re & Shook, architects, Indiana Pythian Bldg., Indianolis, Ind.
re & Tymeson Co., mill & facty. supplies, Johnstown, N. Y.
nigle & Tounge, contractors, 34 Colberg av, Boston, Mass.
k, B. L., carriages, Hartford, Conn.
e, Martin, contractor, Logansport, Ind.
e, T. H. & Son, contractors, Syracuse, N. Y.
g-Barton Co., contractors, 171 Madison av, New York.
ton Foundry Co., 1500 Washington av, Phila., Pa.
ary, Jas., stove linings, 2310 Washington av, Phila., Pa.
ary Mfg. & Mchy. Co., Mellenry, Ky.
ary-Millhouse Mfg. Co., paint mfrs. (asphaltum), So nd, Ind., & Fulton, N. Y.
nn, Owen, architect, Simon Long Bldg., Wilkes-Barre, Pa.
e, L. H., fire clay, Perth Amboy, N. J.
e & Pardoe, mattresses, Fargo, N. D.
e, S. M., brick, Nevada, Ia.
h Bros., contractors, Springfield, O.
h Fdry. Co., grey iron castings, 90 Sargent, Holyoke, ass.
h, Jno., stone producer, 5816 Normal av, Chicago, Ill.
h & Johnson Co., Tacoma, Wash.
h, J. P., & Sons, willow ware mfrs., 9 W. 42nd. New York
h, M. & J. B., contractors, 892 N. Market, Phila., Pa
h Mfg. Co., tent contrs., 242 W. 41st, New York.
h, Owen, contractor, Russ Bldg, San Francisco, Cal.
h, P. J., Paving & Constr. Co., Seattle, Wash.
nny Co., canned goods, Avery Island, La.
y Belting & Hose Co., Hammond, Ind.
y, J. D., & Sons, cornices & skylights, 508 2d av, Pittsrgh, Pa.
n Bros., drugs, 1500 Hamilton, Phila., Pa.
in, J. Gibson, & Co., lumber, Crozer Bldg., Phila., Pa.
in, J. Gibson, & Co., lumber, Crozer Bldg., Phila., Pa.
in & Roberts, architects, Land Title Bldg., Phila., Pa.
in & Speigel Boiler & Tank Co., Lawrence & Pearl, Cinnati, Ohio.
s, Chas. E., & Co., tin plate, metal, etc., Mariners & rchants Bldg., Philadelphia, Pa.
s Steel Co. (Ltd.), Corry, Pa.
s Lumber Co., Petal, Miss.
e, C., Co., miscellaneous elec. fuses, etc., 35 Vesey, New-s, N. J.
e Coal & Builders' Supply Co., Zanesville, Ohio.
e & Co., staple drivers, Port Chester, N. Y.
e, Walter C., & Co., freight elevators, 12 N. 5th, Phila.,

sh, A. L., contr., Narragansett Pier, R. I.
sh, A., Co., granite, Quincy, Mass.
sh & Alberts, corn brooms, 550 W. 39th, Chicago, Ill.
sh Battery & Optical Co., 217 N. Desplaines, Chicago, Ill.
sn, Jas. A., architect, Helena, Mont.
sh, Jno. L., tablets & pads, 185 Franklin, Boston, Mass.
sh Lbr. Co., Moss Point, Miss.
sh, Samuel Fraser, engineer, Turks Head Bldg., Provi-ce, R. I.
sh & Seymour Corp., Diesel type oil engines, Auburn, N. Y.
sh Stereopticon Co., 30 E. Randolph, Chicago, Ill.
h, Terrio & Co., mill & factory supplies, 58 Pearl, New k.
e & Ahern, contractors, Hartford, Conn.
e, Archibald, contractor, New Brighton, N. Y.
e Bros. Paper Co., Inc., tissue paper, Fayetteville, N. Y.
e-Burrall Co., horse collars, Green Bay, Wis
e, C. F., hay rakes, Maine, N. Y.
e & Henderson, tubular boilers, 821 Key Highway, Balti-e, Md.
e, J. F., & Sons, lbr. mfrs., Pine Bluff, Ark.
e, J. M., & Co., bituminous coal mine, Comm. Tr. bldg, ladelphia, Po.
e, Jas., architect, Clifford Bldg., New Bedford, Mass.
e Lumber Co., Millville, Ark.
e Mfg. Co., piston rings, 172 W. Locust, Columbus, O.
e & Walter, cornices, Binghamton, N. Y.
e, William M., architect, Corona, N. Y.
e, Wm., & Son, brick, Equality, Ill.
e, Wm., & Sons, contractors, Sharon, Pa.
Cohagen & Marshall, architects, Billings, Mont., & at Falls, Mont.
E. R., architect, 208 Bankers' Trust Bldg., Waco, Tex.
J. M., flour, Gulf, N. C.
& McKay, machy. dealers, Ocala, Fla.
Jas., contractor, 414 Floral av, Cincinnati, Ohio.
n Machine Co., machsts. & fndrs., Sisterville, W. Va.
Hatch, Inc., forgings & pliers, 1590 Niagara, Buffalo, Y.
Merwin, mill & facty. supplies, Cumberland, Md.
Lins Co., auto trunks, 81 Wisconsin, Milwaukee, Wis.
. M., & Co., lmb. mfrs., Norfolk, Va.
a Cut Glass Co., Honesdale, Pa.

McKay, Angus Co., embossed moulding, grille work, etc., 724 S. Desplaines, Chicago, Ill.
McKay Carriage Co., Grove City, Pa.
McKay & Co., lumber, 311 California, San Francisco, Cal.
McKay, Geo. G., machst., Youngstown, Ohio.
McKay, Geo. W., contr., Sacramento, Cal.
McKay, Jas., Co., chains & forgings, 1823 Perrysville av, Pittsburgh, Pa.
McKay, Jno. A., Mfg. Co., machy dealers, Dunn, N. C.
McKay & Morris, contrs., 715 14th, N. W., Washington, D. C.
McKay Spec. Co., advtg., Anderson, Ind.
McKay-Storer Co., stone producers, 5 N. La Salle, Chicago, Ill.
McKean Chemical Co., Williamsport, Pa.
McKean, J. S., & Sons Co., Ltd., masons' & bldrs.' matls., New Kensington, Pa.
McKecknie, Frosh, architect, Floyd bldg, Kansas City, Mo.
McKee, Arthur G., & Co., engineers, Rockefeller Bldg., Cleveland, Ohio.
McKee & Bliven Button Co., Muscatine, Ia.
McKee Const Co., contractors, Springfield, Ill.
McKee Glass Co., water coolers, Jeannette, Pa.
McKee, J. L., Supply Co., machy. dlrs. & mill & factory supplies, Cortland, N. Y.
McKee, J. S., architect, 815 E. San Antonio, El Paso, Tex.
McKee, R. D., whol. hdwe., Hagerstown, Md.
McKee Refrigerator Co., 119 Lorimer, Brooklyn, N. Y.
McKee & Shade, carriages, Bloomington, Ill.
McKee, W. I., Lbr. Co., Quincy, Ill.
McKee, W. S., glass house molds, 107 Carson, Pittsburgh, Pa.
McKeefrey & Co., crushed stone & coke, Leetonia, Ohio.
McKeefrey, John, contractor, 1416 B'way, New York.
McKeel-Richardson Hardware Co., Washington, N. C.
McKeen Motor Car Co., Omaha, Neb.
McKeesport 8-in Plate Co., iron rolling mills, McKeesport, Pa.
McKeesport Steel Constr. Co., McKeesport, Pa.
McKeesport Tin Plate Co., McKeesport, Pa.
McKeever, A. Boyd, flour mills, Wardensville, W. Va.
McKeever Barrel & Keg Co., 911 Penna, Pittsburgh, Pa.
McKeever Electric Co., 244 S. High, Columbus, Ohio.
McKeithan, D. T., Lbr. Co., Lumber, S. C.
McKell Coal & Coke Co., Glen Jean, W. Va.
McKelvey Bros., lbr., Hollidaysburg, Pa.
McKelvy, J. A., contractor, Harrisburg, Pa.
McKenan's, Wm., Sons, contractors, 200 E. 37th, New York.
McKendall, Frank D., masons' & bldrs.' matls.—Contr., 519 Charles, Providence, R. I.
**McKENNA BRASS & MFG. CO., INC.**, machining, plating, castings, bearing metal, brass specialties, rod, sheet, pipe, tubing, railings, thresholds, grilles, 1st av & Ross, Pittsburgh, Pa.
McKenna Brass & Mfg. Co., mill & factory supplies, 1st & Ross, Pittsburgh, Pa.
McKenna Co., machsts., 1851 E. 38th, Cleveland, Ohio.
McKenna, J. L., & Co., dyewood extracts, 524 W. B'way, New York.
McKenna L. H., plumbers' supplies—jobbers, Savannah, Ga.
McKenna Lbr. Co., McKenna, Wash.
McKenney, Chas. H., lbr., Bar Mills, Me.
McKenny & Waterbury Co., electric fixtures & fire place furnishings, 181 Franklin, Boston, Mass.
McKenzie, Alex., contractor, Superior, Wis.
McKenzie, B., htg. contrs., Greensboro, N. C.
McKenzie Brick Co., Augusta, Ga.
McKenzie Mfg. Co., machsts. & fndrs., potato machy., La Crosse, Wis.
McKenzie Bldg. Co., contrs., Augusta, Ga.
McKenzie, C. C., contr., Rome, Ga.
McKenzie, Chas. S., architect, Bank of San Jose Bldg., San Jose, Cal.
McKenzie Constr. Co., San Antonio, Tex.
McKenzie, Donald, contractor, Middletown, Conn.
McKenzie, Donald N., architect, 2107½ Post Office, Galveston, Tex.
McKenzie, F. L., contractor, 7 Water, Boston, Mass.
McKenzie Lumber Co., Delaware, Ohio.
McKenzie, M. A., carriages, Wichita, Kans.
McKenzie Milling Co., flour, McKenzie, Tenn.
McKenzie, Voorhees & Gmelin, architects, 1123 B'way, New York.
McKenzie, W., contractor, 734 Washington, San Francisco, Cal.
McKeon & Blake, mason contrs., Bridgeport, Conn.
McKeown Bros., contractors, 4817 Cot. Grove, Chicago, Ill.
McKeown, Thos., Inc., 103 Park av, New York.
McKeown, W. O., & Sons, machsts. & fdrs., Cornwell, S. C.
McKernan, Hugh, sash, door & blind, Washington, Ind.
McKesson & Robbins, oils, acids, chalk, etc., 91 Fulton, New York.
McKibban, E. E., architect, Muskagee, Oklahoma.
McKibben, G. N., auto switches, veneer seating, So. Norwalk, Conn.
McKibbin, David, contractor, 2900 Frankford av, Phila., Pa.
McKie Shipbuilding Co., machsts. & fndrs, 100 Border, E. B., Boston, Mass.
**McKIERMAN-TERRY DRILL CO.**, machsts., 17 Park row, New York. *See adv. index at end of book*
McKiernan & Bergin, contractors, Paterson, N. J.

McKiernan, Geo. F., & Co., loose leaf devices, 430 S. Green, Chicago, Ill.
McKillop, Jas., archit., 154 India, Brooklyn, N. Y.
McKim & Co., machsts. & fdrs., Baker, Ore.
McKim Fdry. & Machine Co., castings, engines, plows, etc., Lockport, N. Y.
McKim, Mead & White, architects, 101 Park av, New York.
McKinlay, P., Jr., lime mfr., Garfield, Ark.
McKinney & Co., masons' & bldrs.' matls., El Paso, Ill.
McKinney-Harrington Co., portable conveyors, loaders, etc., N. Chicago, Ill.
McKinney, J. T., constr., Co., Lynchburg, Va.
McKinney, Jas., & Son, builders' iron work, Albany, N. Y.
McKinney Mfg. Co., hinge mfrs., Liverpool & Metropolitan, Pittsburgh, Pa.
McKinney Steel Co., blast furnaces & iron ore, Perry Payne Bldg., Cleveland, Ohio.
McKinnon Constr. Co., 70 Water, Providence, R. I.
McKinnon Dash Co., camp chairs, auto. covers, etc., Buffalo, N. Y.
McKinnon, H. A., cornices & skylights, Helena, Mont.
McKinnon Iron Works Co., Ashtabula, O.
McKinnon, L. T., & Co., turpentine, Fendig, Ga.
McKinnon & McCarthy, turpentine, White Oak, Ga.
McKinnon Rockaway Axe Co., Rockaway, N. J.
McKinsey & Jenkins, contractors, Frankfort, Ind.
McKnight, C. C., & Bros., fertilizer, Senoia, Ga.
McKnight, L. G., & Son Co., mchsts. & fdrs., Gardner, Mass.
McKnight, Samuel, Hardware Co., 225 Federal, Pittsburgh, Pa.
McKnight & Son, masons' & bldrs.' matls., Brookville, Pa.
McKown & Beattie, contractors, Coraopolis, Pa.
McKune, C. S., Co., contractors, 409 W. 55th, New York.
McKusick, J. C., contr., Hibling, Minn.
McLachlan Bldg. Co., 112th & Pullman, Chicago, Ill.
McLachlen, John M., mfrs.' distributors, McLachlen bldg, Washington, D. C.
McLagon Fdry. Co., mchsts. & fdrs., New Haven, Conn.
McLain-Carter Furnace Co., open hearth, Goldsmith Bldg., Milwaukee, Wis.
McLain Fire Brick Co., Fulton Bldg., Pittsburgh, Pa.
McLain-Hadden-Simpers Co., advertising counsellors, 210 S. 7th, Philadelphia, Pa.
McLain, J. H., Co., heating app., steam & hot water heaters, Canton, Ohio.
McLain's System, semi-steel castings, Goldsmith Bldg., Milwaukee, Wis.
McLanahan Stone Mach. Co., Hollidaysburg, Pa.
McLanathan, F. W., & Son, belting, roll coverers, Lawrence, Mass.
McLane, Cyrus D., architect, Rock Island, Ill.
McLane & Hepburn, contractors, Lisbon, O.
McLane, John B., & Co., contractors, Newport, Ky.
McLane Mfg. Co., plumbers' woodwork, Milford, N. H.
McLaren & Hetherington, architects, Hagerman Bldg., Colorado Springs, Colo.
McLaren Iron Works Co., Cleveland, O.
McLaren, R. J., architect, 37 W. Van Buren, Chicago, Ill.
McLaren & Sons, stone producers, workers & dealers, Court & Bay, Brooklyn, N. Y.
McLaren & Wommer, stone producers, Marietta, O.
McLaughlin & Burchill, contrs., Bastable Blk, Syracuse, N. Y.
McLaughlin Co., Inc., pails, washtubs & oil cans, Brockport, N. Y.
McLaughlin Contracting Co., Germania Bk. Bldg., Pittsbgh, Pa.
McLaughlin, D., & Sons, contractors, Woburn, Mass.
McLaughlin, Geo. G., Mfg. Co., boiler cleaners, machy., 24 Washington, N. Boston, Mass.
McLaughlin & Hulsken, architects, Lima, Ohio.
McLaughlin, J. L., contractor, 244 Kearney, San Francisco, Cal.
McLaughlin, J. L., & Sons, wood handles, Bedford, Pa.
McLaughlin, J. T., archit., Peoples Nat. Bk .Bldg., Lynchburg, Va.
McLaughlin, Jas. E., architect, 88 Tremont, Boston, Mass.
McLaughlin, John J., architect, Burlington, Vt.
McLaughlin, K. M., lbr., Salem, N. H.
McLaughlin & McLaughlin, contractors, 7309 Finance, Ptg., Pa.
McLaughlin, Peter F., architect, 24 North, Pittsfield, Mass.
McLaughlin-Taylor Co., lbr., Seattle, Wash.
McLaughlin, Thos., machsts., 53 Essex, Jersey City, N. J., & 3016 Poplar, Richmond, Va.
McLaughlin, Thomas S., architect, Union Tr. bldg, Providence, R. I.
McLaughlin, Wm. F., architect, Meriden, Conn.
McLaughlin, Wm. J., picture mats. 9 E. 8th, New York.
McLaughlin, W. T., Co., mill & factory supplies, West Roxbury, Mass.
McLaughlin's Sons Co., babbit metal, brass ingots, white bronze, spelter & caulking lead, 230 No. 12th, Brooklyn, N. Y.
McLaurin, H. J., Jr., lbr., Sumter, S. C.
McLaury, D. H., Tile Co., marble wk. & flooring, 103 Park av, New York.
McLauthlin, Geo. T., Co., elevators, pulverizing machy., etc., 120 Fulton, Boston, Mass.
McLay, John H., contractor, Hammond, Ind.
McLean, A. C., Construction Co., 320 Market, San Fran., Cal.
McLean, Andrew, Co., buckram, shade cloth, etc., Passaic, N. J.
McLean Bros., lbr. mfrs., Tonawanda, N. Y.
McLean Contracting Co., Fidelity bldg, Baltimore, Md.



McLean & Cousens Co., htg. contrs., 204 Purchase, Boston, M
McLean, D., contractor, Newport, R. I.
McLean, Frank, & Co., cornices, Jackson, Mich.
McLean, Geo. A., & Co., scrap iron & steel, 915 Beaver, Ptg.
McLean Hardwood Lbr. Co., Memphis, Tenn.
McLean, Hugh, Lbr. Co., Buffalo, N. Y.
McLean, I. F., cooperage stock, Nashville, Tenn.
McLean, J. A., contractor, Walla Walla, Wash.
McLean, Jno., cemetery railing & iron & lawn settees & ch 440 Water, New York.
McLean, Jno., peanut blanchers, Lockport, N. Y.
McLean-Jones Oil & Supply Co., Inc., 40 Court, Boston, Mas
McLean, M. H., contr., 4233 Park av, Chicago, Ill.
McLean, Neil A., contractor, Chronicle Bldg, San Francisco,
McLean Tire & Rubber Co., East Liverpool, Ohio.
McLean, W. B., Mfg. Co., bank fixtures, 729 Herron av, P burgh, Pa.
McLean, W. H., architect, 110 Tremont, Boston, Mass.
McLeannan Bros., contractors, Pickering Bldg., Cincinnati,
McLee, John, contrs., Rockford, Ill.
McLellan, Frank X., contractor, Seattle, Wash.
McLellan, J. L., architect, San Marcos, Tex.
McLellan Mfg. Co., belt dressing, 265 W. 23rd, New York.
McLellan, Wm. L., mill & facty. supplies, Norwalk, Conn.
McLelland, Jno. C., flour, Thornton, Tex.
McLendon Hardware Co., Waco, Tex.
McLendon, R. R., turpentine, Blakeley, Ga.
McLennan Construction Co., 3105 Caen av, Chicago, Ill.
McLeod, D. N., Lbr. Co., Garnet, Mich.
McLeod & Henry Co., brick, cupola & stove linings, 360 Troy, N. Y.
McLeod, J. A., stone producers, 207 N. E. 2d, Minneapolis, M
McLeod, John, contractor, 517 Hope, Providence, R. I.
McLeod, R. A., Plastering Co., Inc., contrs., 1625 1st av Birmingham, Ala.
McLeod, W. J., & Co., granite, Quincy, Mass.
McLeod, Ward & Co., desk lights, lamps, elec. portables, b ets, etc., 430 11th av, New York.
McLeran & Peterson, contrs., Sharon Bldg., San Francisco,
McLoughlin Bros., toys & nov., 890 B'way, New York.
McLoughlin, Bundy & Sinsbaugh, sporting goods, 545 S. Sp Los Angeles, Cal.
McLoughlin Supply Co., plumbers' supplies—jobbers, 47 New York.
McLouth, Sidney C., shipbldr., Marine City, Mich.
McMahan, Jas., cornices & skylights, Chattanooga, Tenn.
McMahen, Wm. H., mattresses, 242 S. 2nd, Philadelphia, P
McMahon, Bernard H., machinery dlr., Worcester, Mass.
McMahon & Co., friction clutches, gear & pulleys, Worce Mass.
McMahon, D., contractor, P. O. Bldg., Phila., Pa.
McMahon & Hickey, shoe lasts, Ellicottville, N. Y.
McMahon, J. L., & Son. See McMahon & Son (successor)
McMahon, Jas. T., Constr. Co., contrs., 1543 Farragut, St. L Mo.
McMahon, Jno. F., contractor, Title Guaranty bldg, St. L Mo.
McMahon, Wm. P., architect, Title Guaranty bldg, St. L Mo.
McMahon & Son, cornices & skylights, State Center, Ia.
McManis & Tarnoski, contrs., Endicott Bldg., St. Paul, Min
McMann, Jas. R., Co., valves, etc., 56 Gold, New York.
McMann Supply Co., mill & factory supplies, 319 Pearl, York.
McMann & Taylor Co., pipe, boiler tubes, fittings, valves, 104 John, New York. *See adv index at end of book.*
McMannamy, Wm. P., sashes, doors & blinds, Kalispell, Mo
McManus, C. H., & Co., shoe counters, Lynn, Mass.
McManus, Edw., masons' & bldrs.' matls., Waterbury, Conn
McManus, P., contractor, Commercial Tr. Bldg., Phila., Pa
McManus Quarries Co., stone producers, wkrs. & dlrs., Kee Iowa.
McManus, W. L., Lumber Co., Petoskey, Mich.
McMaster, C. W., contr., Richmond, Cal.
McMaster-Carr Supply Co., mill & facty. supplies, 174 N. Ma Chicago, Ill.
McMaster, L. W., contractor, Zanesville, Ohio.
McMaster, R. C. plow points, Adamsville, Pa
McMeikan, Robert & Son, mill & factory supplies, 805 L Baltimore, Md.
McMenamin & Sims, contrs., Commercial Tr. Bldg., Phila.,
McMenemy, R. A., bldg. contr., 645 Endicott Bldg., St. P Minn.
McMichael, Abner, machst., 22 Armat, Gtn., Philadelphia, P
McMichael, J. M., architect, Charlotte, N. C.
McMichael, J. P., & Co., flour, Madison, N. C.
McMillan, A., & Co., masons' & bldrs.' matls., 341 William Portland, Ore.
McMillan, B. F., & Bro., lbr., McMillan, Wis.
McMillan Book Co., loose leaf devices, Syracuse, N. Y.
McMillan Metal Co., coppersmiths, Savannah, Ga.
McMillan Bros., lumber mfrs., Stockton, Ala.
McMillan, C. W., & Son, granite, Barre, Vt.
McMillan Co., contractors, 1794 E. 55th, Cleveland, Ohio.
McMillan Contracting Co., 37 W. Van Buren, Chicago, Ill.
McMillan, F. G., contractor, 2 S. E. 5th, Minneapolis, Min
McMillan & Harrison, fertilizer mfrs., Mobile, Ala.

dillan, J. T., Co., meat packers, St. Paul, Minn.
dillan, Jas., & Co., hot air furnaces, 114 Clarkson ct, Chicago, Ill.
fillan & Johnson, turpentine, Helena, Ga.
fillan, Robt., masons' & bldrs.' matls., Painesville, Ohio.
fillan, Samuel, contractor, 250 W. 106th, New York.
fillan, W., & Son, stone producers, 910-920 Otis Bldg., Chicago, Ill.
fillan & Werner, machsts. & fndrs., 516 Pearl, New York.
fillan's, W. H., Sons, marine hdwe. mfrs.; ten pins, tackle, blocks, etc., 153 South, New York.
fillen & Pitz, contrs., Manitowoc, Wis.
fillen, R., Co., hardwood doors, Oshkosh, Wis.
filler & Taft, contractors, Hulbert blk., Cincinnati, Ohio.
lonies, W. H., & Co., harness, saddles, etc., Portland, Ore.
lorran, Edw. E., & Co., fire extinguishers, 126 N. Union, Chicago, Ill.
orrow Co., contractors, 271 W. 125th, N. Y. City.
orrow, Jno., contractors, 322 Adams, Dor., Boston, Mass.
ullen, Arthur, Co., contractors, caisson bridge foundations, 149 B'way, N. Y. City.
ullen, C. E., contractor, 110 Jessie, San Francisco, Cal.
ullen & Co., masons' & bldrs.' matls., Seattle, Wash.
ullen, Harry, contractor, Kankakee, Ill.
ullen, Leo A., architect, Jenkins Bldg., Pittsburgh, Pa.
ullen Machy. Co., Grand Rapids, Mich.
ullen, Snare & Triest, Inc., contractors, Lexington & 131st, N. Y. City.
urray & La Rue, contrs., Knoxville, Tenn.
urray, Louis, Pkg. Co., Pontiac, Ill.
urray, S. M., architect, Arcade, Nashville, Tenn.
urray Sulky Co., carriages, Marion, Ohio.
urry J. W., Contracting Co., Sharp Bldg., Kansas City, Mo.
urtle Milling Co., flour, Belvidere, N. J.
urtrie, Harry G., architect, 1012 Walnut, Philadelphia, Pa.
urtry, A. J. & G. H., contractors, crushed stone, 16 Shepard, Boston, Mass.
urtry Mfg. Co., paint mfrs., Denver, Colo.
yler-Interstate Co., cranes, etc., Bedford, Ohio.
b Co., clocks, nautical & engng. appliances, Bridgeport, Conn. *See adv index at end of book.*
b & Harlin Mfg. Co., brass bushings, posts, plugs, etc., 55 ohn, N. Y. City.
bb, John, contractor, Bound Brook, N. J.
bb, Jno., & Son, contractors, Grand Rapids, Mich.
bb, Wm. O., architect, Decatur, Ill.
r, Alex, & Co., blue print paper, 5 N. La Salle, Chicago, Ill.
r Phosphate Co., fertilizer, Laurinburg, N. C.
r-Young Co., fertilizer, Wrens, Georgia.
ry, A. B., & Co., paint mfrs., 1163 E. 40th, Cleveland, Ohio.
lby, W. A., & Co., elec. contrs., Pasadena, Cal.
ly, C. W., Co., plumbers' supplies, jobbers, 199 E. Water, ilwaukee, Wis.
ly Construction Co., Fall River, Mass.
ly, D. E., & Co., cornices, 24 Houghton, Worcester, Mass.
ly Ranch, canned goods, La Mirada, Cal.
ly, Robert J., water filters, 5618 Germantown av., Philadelphia, Pa.
ly & Son, masons' & bldrs.' matls., St. Marys, Ohio.
nar, Julius J. P., engines, Newark, Ohio.
nar Mach. Wks., Newark, Ohio.
nara Bros., slate for electrical purposes, Fair Haven, Vt.
nara Bros. Co., tank & boiler work, Westport, Baltimore, d.
nara, C. B., & Co., contractors, Dubuque, Ia.
nara, Henry L., cornices & skylights, Janesville, Wis.
nara, J. H., Trunk Co., 109 W. Monroe, Chicago, Ill.
nara-Koster Fdry. Co., Indianapolis, Ind.
nara, L. F., boot counters, Haverhill, Mass.
nara, M., stamp & stencil wk., 85 Nassau, New York.
nara, Michael, Varnish Wks., Clark & M. C. R. R., Detroit, ch.
ara, Thos. J., Co., meat packers, Bridgeport, Conn.
Coffin & Casket Co., Vidalia, Ga.
ghton, Angus J., stone products, Battle Creek, Mich.
ghton Mfg. Co., grate bar mfrs., Maryville, Tenn.
ghton, Wm. D., paint mfrs., 185 Oakland, Brooklyn, N. Y.
Tire Co., Ohio Bldg., Toledo, Ohio.
l Boiler Mfg. Co., Toledo, Ohio.
Machinery Co., mill & factory supplies, Joplin, Mo.
Brick Agency, Monadnock Bldg., San Francisco, Cal.
Marble Co., Marietta, Ga.
Boiler Co., 96 Crozier, Akron, Ohio.
Bros., contractors, 57 Stanley, Boston, Mass.
Cooperage Co., Phillipsburg, N. J.
H. C., & Son, masons' & bldrs.' matls., Sioux City, Ia.
J. V., contr, 356 S. Spring, Los Angeles, Cal.
Jas. & Bro., Co., steel plate wk., Pittsburgh, Pa.
Lawrence W., cornices, Paterson, N. J.
Lbr. Corp., 1767 Filmore, Buffalo, N. Y.
& Son, contrs., Framingham, Mass.
Henry T., architect, 331 S. 13th, Philadelphia, Pa.
Lauff & McNeill, packing box mfrs., 925 N. Halsted, cago, Ill.
Milling Co., flour, Fayetteville, N. C.
l Paving & Construction Co., 1923 Cherry, Phila., Pa.
ll, John, machinists, Washington, La.

McNichols, H. J., contr., 924 S. Kilbourn av, Chicago, Ill.
McNicol-Corns Co., china, Wellsville, Ohio.
McNicol, D. E., Pottery Co., East Liverpool, Ohio.
McNiece, Wm., & Son, machinists, 515 Cherry, Philadelphia, Pa.
McNierney Bros., stone products, Utica, N. Y.
McNown Mfg. Co., kitchen cabinets, Columbia City, Ind.
McNulty, C. W., Co., contractors, Huntington, W. Va.
McNulty, F. D., contractor, Columbia, S. C.
McNulty, Jos. A., colors, dry paints & litharge importers, 135 Williams, New York *See adv. index at end of book*
McNulty & Whittier Co., lbr., Stillwater, Me.
McNut, Lewis, sewer pipes & fittings, Brazil, Ind
McNutt Can Sales Co., non-explosive can, 83 Chambers, New York.
McNutt, Hubert C., machinists, Woodston, Kans.
McNutt & McConnell Co., brick & sewer pipe, Brazil, Ind.
McPhail, A. M., Piano Co., 120 Boylston, Boston, Mass.
McPhee, D. A., contractor, 403 Newbury, Boston, Mass.
McPhee & McGinnity Co., lumber mfrs., Tacoma, Wash.
McPhee & McGinnity Co., masons' & bldrs.' matls., Denver, Colo.
McPherson, C. D., contractors, Evanston, Ill.
McPherson, J. W., & Sons, paints, Shippinsburg, Pa.
McPherson, Jos. C., cornice & skylights, Asheville, N. C.
McPherson, W. G., Co., hot air furnaces, Portland, Ore.
McQuade & Bannigan, masons' & bldrs.' matls., Utica, N. Y.
McQuade, J. W., contractor, Albuquerque, N. M.
McQuade, Jas. H., & Sons Co., contractors, Bessemer Bldg., Pittsburgh, Pa.
McQuade, John, & Co., wood stains & paint mfrs., 134 Classon av, Brooklyn, N. Y.
McQuade, Walter, architect, 47 W. 34th, New York.
McQuady Milling Co., flour, McQuady, Ky.
McQuaker, Andrew, architect, Mehlborn bldg, Seattle, Wash.
McQuay-Norris Mfg. Co., piston rings, Cooper & Southwest avs, St. Louis, Mo. *See adv. index at end of book.*
McQuesten, Geo., Co., lumber, 27 Kilby, Boston, Mass.
McQuesten Hardware Co., Muscatine, Ia.
McQuilkin, Geo., machsts., Elkton, Md.
McQuillan, Bernard, Co., contractors, 437 E. 65th, New York.
McQuinn, Robt., & Co., trunk mfrs., 23 S. 8th, Phila., Pa.
McQuirk, Wm. H., contractors, Norwich, Conn.
McRae & Roberts Co., brass goods, steam, water & gas, 227 Campbell av, Detroit, Mich. *See adv. index at end of book.*
McRainey & Bridges, lumber, Wildwood, Fla.
McRedmond, Wm. H., architect, Stamford, Conn.
McRee & McNeil, turpentine, Camilla, Ga.
McReynolds, A. V., contractor, Kennewick, Wash.
McReynolds, R., & Sons, carriages, 1423 L. N. W., Washington, D. C.
McReynolds, Robert, contr., 254 4th St. Arcade, Dayton, Ohio.
McShaffrey, E., & Son, contractors, Akron, Ohio.
McShain, John, contractor, 1610 North, Philadelphia, Pa.
McShane Bell Fdry. Co., 50 Church, New York.
McShane, Jas., contractor, 251 E. 62d, New York.
McShane, Wm. J., contractor, 413 S. 13th, Philadelphia, Pa.
McSheehy Bros., contractors, 47 Langdon, San Francisco, Cal.
McSherry Mfg. Co., mach'y, Pittsburgh, Pa.
McSorley, John, contractor, 1912 Wightman, Pittsburgh, Pa.
McSpirit, John & Jos., contractors, 118 Wayne, Jersey City, N. J.
McSweeney, A. McF., architect, Pocatello, Idaho.
McTague, Martin F., scrap rubber, 1221 Bainbridge, Phila., Pa.
McTernan & Halpin Const. Co., contrs., 2500 Grand av, Kansas City, Mo.
McTernan Rubber Mfg. Co., Reading, Mass.
McVay-Walker Co., lavatories & fittings, Braddock, Pa.
McVey, Hugh, fndrs., Syracuse, N. Y
McVicar, Thos., cornices, Yonkers, N. Y.
McVicar, Wm. H., cornices, Yonkers, N. Y.
McVoy Sheet & Tin Plate Co., 1042 W. 36th, Chicago, Ill.
McVoy Tub, Pail & Package Co., 11th av, N. E., & Water, Minneapolis, Minn.
McWade, Wm. J., speaking tubes, 3140 S. Canal, Chicago, Ill.
McWain Canning & Packing Co., East Waterford, Me.
McWalters, Jas., & Sons, contractors, 1493 B'way, New York.
McWayne Co., contrs., 138 W. Washington, Chicago, Ill.
McWhinnie, Thos., wooden barrows, Poughkeepsie, N. Y.
McWhirter, W. H., Co., stone products, 82 Woolsey, Long Island City, N. Y.
McWhorter Mfg. Co., agricultural implements, Riverton, N. J.
McWhorter, Weaver & Co., wholesale hardware, Nashville, Tenn.
McWilliams, Frank, dry docks & marine ry, 1 B'way, New York.
McWilliam Dredging Co., contrs., 232 S. Michigan av, Chicago, Ill.
McWilliams, Frank, mchsts. & fndrs., Burgher av, West New Brighton, N. Y.
McWilliams, R. H., & G. A., contractors, 332 S. Michigan, Chicago, Ill.
McWilliams & Schulte, packing box mfrs., McLean av & Richmond, Cincinnati, Ohio.
McWilliams, Thos., polishing & wire drawing machines, jewelers' tools, etc., 237 Eddy, Providence, R. I.
Maag, August, Co., bakers & confectioners' utinsels mfrs., 509 W. Lombard, Baltimore, Md.
Maas, Chas. W., architect, Houghton, Mich.
Maas-Neimeyer Lumber Co., Indianapolis, Ind.
Maas & Waldstein, oils, lacquer mfrs., etc., 91 William, New York.

Mabbs Hydraulic Packing Co., 421 Manhattan bldg, Chicago, Ill.
*See adv. index at end of book.*
Mabie, Todd & Co., fountain pen mfrs., 17 Maiden la, New York.
Mabie, Wm. I., & Co., contractors, 15 Federal, Boston, Mass.
Mabscott Coal & Coke Co., Macdonald, W. Va.
MacAdams Bros., elastic hosiery, 912 Walnut, Phila., Pa.
Macalaster-Wiggin Co., time switches, 66 B'way, Boston, Mass.
Macallen Co., trolley line materials, 16 Macallen, S. Boston, Mass.
Macan, Jr., Co., mill & facty. supplies, Easton, Pa.
MacAndrews & Forbes Co., box board, Camden, N. J.
MacAndrews & Forbes Co., wall boards, 200 5th av, New York.
MacArthur Bros. Co., contractors, Equitable Bldg., New York.
MacArthur Concrete Pile & Foundation Co., contrs., 120 B'way, New York.
MacArthur, Jas., Co., contractors, 22 Ormond pl, Brooklyn, N. Y.
Mac Arthur & Kauffman, lumber, 461 Market, San Francisco, Cal.
MacArthur, Perks & Co., Ltd., contractors, 120 B'way, New York.
Macatee, W. L., & Sons, masons' & bldrs.' matls., Houston, Tex.
Macauley Bros., meating contractors, Grand Rapids, Mich.
Macauley, C. R., Co., sash, door & blind mfrs., 255 18th, Brooklyn, N. Y.
Macauley, H. C., Foundry Co., Berkeley, Cal.
Macbeth-Evans Glass Co., C of C bldg, Pittsburgh, Pa.
Macbeth Arc Lamp Co., 1524 Chestnut, Philadelphia, Pa.
MacBride, E. E., architect, 64 E. Van Buren, Chicago, Ill.
Maccar Truck Co., Scranton, Pa.
MacCarthy & Harper, who. hdwe., 345 N. Calvert, Baltimore, Md.
MacCleary, J. H., railroad equipments, Suffolk, Va.
MacClure & Spahr, architects, 320 4th av, Pittsburgh, Pa.
MacCordy Button Mach., Co., Amsterdam, N. Y.
MacCormack, W., fertilizer mfrs., Wolcott, Conn.
Macdiarmid & Co., masons' & bldrs.' matls., Newport, Vt.
MacDonald, Angus, contractor, 79 Milk, Boston, Mass.
Macdonald Colliery Co., coke, Macdonald, W. Va.
Macdonald Engng. Co, coal machy., 53 W. Jackson blvd, Chicago, Ill.
MacDonald Hay Co., die cast castings, Syracuse, N. Y.
MacDonald & Joslin Co., contractors, 161 Devonshire, Boston, Mass.
Macdonald & Kahn, contrs., Rialto bldg., San Francisco, Cal.
MacDonald, Murdo F., granite, South Ryegate, Vt.
Macdonald Ticket & Ticket Box Co., 5015 Wellesley av, Cleveland, Ohio.
MacDonell, Francis J., archt., Hennen bldg, New Orleans, La.
Macdonough, A. J., archit., Kissimmee, Fla.
MacDowell, Sam'l B., & Son, contractors, 1927 Montgomery av, Philadelphia, Pa.
MacDuff, Robt. A., & Co., contractors, 376 Richmond, Providence, R. I.
Mace, Chas. G., contr., Jefferson City, Mo.
Mace, Edw., building contractor, Oshkosh, Wis.
Mace, L. H., & Co., refrigerators, 55 E. 150th, New York.
Mace & Mansfield, fertilizer mfrs., Greenville, Ohio.
MacElroy Engine Co., kerosene engines, Newark, N. J.
Macey Co., book cases (wood), Grand Rapids, Mich.
Macfarlane, Maul & Lentz, architects, David Whitney Bldg., Detroit, Mich.
MacGillis & Gibbs Co., ties, poles, Wells Bldg., Milwaukee, Wis.
MacGovern & Co., Inc., second hand mach., 114 Liberty, New York.
MacGowan & Cooke Printing Co., loose leaf devices, Chattanooga, Tenn.
Macgowan & Finegan Cordage Co., twine, Pierce bldg, St. Louis, Mo.
MacGregor Co., John, spark plugs, 756 South, Boston, Mass.
MacGregor, Thos. F., cornices, Schenectady, N. Y.
Mach Mfg. & Engineering Co., Council Bluffs, Ia.
Machamchik & Ruderman, contrs., Waterbury, Conn.
Machen, Thos. G., architect, Fidelity Bldg., Baltimore, Md.
Machenheimer Bros., machsts. & fndrs., Port Angeles, Wash.
Machine Appliance Corporation, paper, hand punches, fasteners & eyelet machinery, 351 Jay, Brooklyn, N. Y.
Machine Products Co., E. 179th & St. Clair, Cleveland, Ohio
Machine Shop Equipment Corp., mill & factory supplies, 170 Olive, Boston, Mass.
Machine Steel Casting Co., Alliance, Ohio
Machine Tool Engineering Co., machinery dealers, 149 B'way, New York
Machinery, trade publications, 140 Lafayette, New York.
Machinery Co. of America, saw, knife fitting machy. & tools, Big Rapids, Mich.
Machinery Designing & Mfg. Co., soap wrapping machinery & Presses, 656 Hudson, New York.
Machy. Equipment Co., mill & factory supplies, Boston, Mass.
Machinery Forging Co., Hamilton av & Marquette, Cleveland, O.
Machinery Sales Agency, 593 Market, San Francisco, Cal.
Machinery Warehouse & Sales Co., Old Colony bldg., Chicago, Ill. *See adv index at end of book.*
Machy. Sales & Electric Co., mill & factory supplies, 5 E. Fort, Detroit, Mich.
Machy. Supply Co., San Diego, Cal.
Machinery Utilities Co., machy. dealers, 501 Fifth av, New York.
Machy. Warehouse, mill & factory supplies, 1705 W. 37th, Chicago, Ill.
Machinery & Equipment Co., Inc., scrap metals & second hand mach'y., 225 Sherman av, Newark, N. J.

Machinists Foundry Co., Muncie, Ind.
Machinists Supply Co., mill & factory supplies, 19 N. Jefferson Chicago, Ill., & 324 3d av, Pittsburgh, Pa.
Machler, Paul, Co., ovens, 807 W. Lake, Chicago, Ill.
Machod Signal Co., Inc., Louisville, Ky.
Machold & Riddell (dredge pipe & fittings), Stephen-Girard Bldg., Philadelphia, Pa.
Machover, S., second hand bags & bagging, 113 Mercer, New York
Machwirt Bros. Co., cornices & skylights, metallic window sashes, etc., 201-9 Oak, Buffalo, N. Y.
Mac-It Parts Co., set hollow screws, Lancaster, Pa.
Mack Automatic Heat Regulator Co., 120 E. Woodbridge, Detroit, Mich.
Mack Ave. Building Co., 185 Division, Detroit, Mich.
Mack Axe Co., see Winchester Repeating Arms (successors).
Mack Bros., tubular boilers, 409 Marcellus, Syracuse, N. Y.
Mack Bros. Motor Car Co., Allentown, Pa.
Mack & Co., picks, mattocks, etc., Rochester, N. Y.
Mack, E. T., architect, Perkins bldg, Tacoma, Wash.
Mack Fdry. & Mach. Co., Wilkinsburg, Pa.
Mack, Henry, traveling bags & suit cases, 104 Prospect, Jersey City, N. J.
Mack Iron & Wire Works, machsts., Sandusky, O.
Mack, Jas., & Co., advtg. spec., 18 So. 5th av, Chicago, Ill.
Mack & Kountz, architects, Hagerstown, Md.
Mack Mfg. Co., common brick, New Cumberland, W. Va.
Mack Mfg. Co., rail blocks, bricks, sewer pipes, etc., Lincoln Bldg., Philadelphia, Pa.
Mack, Miller Candle Co., beeswax, Syracuse, N. Y.
Mack & Moore, contractors, 101 Tremont, Boston, Mass.
Mack Paving & Construction Co., 20th & Sedgley av, Phila., Pa.
Mack Trunk Co., Memphis, Tenn.
Mack Trunk Co., Ltd., 157 Baronne, New Orleans, La.
Mack Ventilator Co., Swetland Bldg., Cleveland, Ohio.
Mack, W. A., & Co., cornices, etc., Lowell, Mass.
Mack & Winkle, saws, 172 Skillman av, Brooklyn, N. Y.
Mackay, A. D., rare chemicals, metals, minerals, etc., 130 Pearl New York.
MacKay, Geo., architect, Ocala, Fla.
Mackay, Kenneth, & Co., contractors, Yonkers, N. Y.
Mackay Mfg. Co., steam & hot water heaters & radiators, 2 Water, New York.
Mackay, W. M., consulting heating & ventilating engineers, 2 Water, New York.
Mackay, W. R., bldg. contr., Owasco Terrace, Auburn, N. Y.
Macke Marble & Granite Works, Birmingham, Ala.
Mackee & Williams, architects, Newport News, Va.
MacKellar's, R., Sons Co., fdry. facings, Peekskill, N. Y.
Mackemer, J. W., & Co., masons' & bldrs.' matls., Peoria, Ill.
MacKenzie, Clinton, architect, 15 Broad, New York.
MacKenzie, Geo. M., dumb waiters & freight elev., New Haven Conn.
Mackenzie, J. P., lumber mfrs., North Tonawanda, N. Y.
MacKenzie, Murdoch, contractor, 346 Belgrade av, Boston, Mass.
MacKenzie, Quarrier & Ferguson, steam engines, 2 Rector, New York.
MacKenzie, R., contr., Rockford, Ill.
Mackenzie, R. H., contractor, Englewood, N. J.
MacKenzie & Wiley, architects, 806 Liberty, bldg, Philadelphia Pa.
MacKenzie's, Duncan, Sons Co., mchsts. & fndrs., Trenton, N.
Mackey Brick & Tile Mfg. Co., San Antonio, Tex.
Mackey, Leroy B., contractor, Altoona, Pa.
Mackey, M. E., brick, Verplanck, N. Y.
Mackin Oil Gauge Co., 33 N. Foster, Worcester, Mass.
Mackin, Stephen, mach. & jobbing, etc., 33 North Foster, Worcester, Mass.
MacKinnon, F., Mfg. Co., wagons, Grand Rapids, Wis.
Mackinnon & Nicholson, contractors, Attleboro, Mass.
Mackintosh, Alexander, architect, Bible House, New York.
Mackintosh, D., & Sons Co., absorbent cotton, Holyoke, Mass.
Mackintosh, Hemphill Co., engine builders, ft. of 12th, Pittsburgh, Pa.
Mackle Construction Co., Atlanta, Ga.
Macklin & Faught, architects, Chickasha, Okla.
Macklin, H. B., architect, Greenville, Tex.
Macknet, Dan, masons' & bldrs.' matls., Dectaur, Ill.
Macknet & Doremus, who. h'dwe, machinists' tools, mill, & steamfitters' supplies, 796 Broad, Newark, N. J.
Macknet Grate Bar Co., mfrs., 32 Nassau, New York.
Macksburg Tool Co., Macksburg, Ohio.
MacLac Co., shellac, 9 Cliff, New York.
MacLagan, Peter T., architect, 552 Summer av, Newark, N.
MacLane, Edw., marble & granite, 1937 Grace, Chicago, Ill.
MacLean Box Factory, Buffalo, N. Y.
MacLean Construction Co., 76 W. Monroe, Chicago, Ill.
Maclean, J. S., store fixtures, Spring & Water, Columbus, O.
MacLean & McCurdy, dumping carts, Dorchester, Boston, M
Maclear Mfg. & Supply Co., mchsts. & fndrs., Denver, Colo.
MacLees, Robt., Specialty House, mill & factory supplies, P delphia, Pa.
MacLeod & Co., hemp & jute imptrs., 82 Beaver, New York.
Macleod Co., metallurgical furnaces & equipment, 2227 Bo Cincinnati, O. *See adv. index at end of book.*
MacLeod Mfg. Co., window cleaners, 227 W. Austin av, Chicago, Ill.
MacLeod & Smith, bldg. contrs., Duluth, Minn.
Maclure, A. J., architect, Lewis Bldg., Portland, Ore.

:Meith Co., ticket punchers, 146 Lafayette, Newark, N. J.
:Mullen & Co., plbrs. supplies, 1037 Race, Phila., Pa.
:murphy Co., fertilizer mfrs., Charleston, S. C.
:Nab. John, Machy. Co., machy. dlrs., 90 West, New York.
:Naughton & Raymond, architects, Concord Bldg., Portland, Ore.
:Naughton & Robinson, architects, Paddock Bldg., Boston, Mass.
neal, Jas. B., & Co., varnish & color mfrs., Warner & Wooster, Baltimore, Md.
:Nichol Packing Co., Eastport, Me.
's Products Co., plumbers supplies, 154 Nassau, New York
omb Sewer Pipe Works, Macomb, Ill.
omber Bros. Co., brick, Toledo, Ohio.
omber, Geo. B. H., Co., contractors, 44 Bromfield, Boston, Mass.
omber, Grant J., architect, Flint, Mich.
omber, Hy. S., & Co., lubrg. oils, 150 Milk, Boston, Mass.
omber & Whyte Rope Co., wire & rope, Kenosha, Wis.
omber, Wm. K., architect, McKnight Bldg., Minneapolis, Minn.
on County Oil Co., Tuskegee, Ala.
on Mattress Mfg. Co., Macon, Ga.
on Sewer Pipe Wks., Macon, Ga.
Queen, J., architect, 560 Walnut, Elizabeth, N. J.
queen, James M., Esq., archit., 217 Bank, Sewickley, Pa.
Quiddy, D. H., bldg contrs., Pittsburgh, Pa.
ordi Fibre Co., bobbins, spools, Woonsocket, R. I.
Phee Bros., contractors, 1045 Bergen, Newark, N. J.
'ae Bros., contractors, Seattle, Wash.
tae, Hector C., machinist, 316 St. Paul, Baltimore, Md.
Rorie-McLaraen Co., 141 Powell, San Francisco, Cal.
Sim-Bar Paper Co., Otsego, Mich.
Tavish, Archibald, contractor, 1515 Pine, Philadelphia, Pa.
ingie Brass & Mfg. Co., mchsts. & fndrs., Macungie, Pa.
Watly Belting Co., belting & packing, 7 Beverly, Providence, R. I.
vatty, D., & Co., mill & facty. supplies, 103 Chambers, N. Y. City.
'ell Milling Corp., flour, Fulton, N. Y.
, Chas. W., Co., masons' & bldrs.' matls., Hudson, N. Y.
, Frank R., cornices, Hudson, N. Y.
irys Planing Mill, Fresno, Cal.
o Foundry & Machinery Co., castings mfrs., Phoenixville, Pa.
en Boiler Wks., Hollidaysburg, Pa.
en Bros. Co., mchsts. & fdrs., Rushville, Ind.
en Glass Co., Aberdeen, S. D.
en & Gaskill, fndrs., Millville, N. J.
en, Jerry, Shingle Co., lumber, Rapid River, Mich.
en, John, & Co., advtg. signs, 718 Natonia, San Francisco, Cal.
en Lbr. Co., sash, door & blind mfrs., Troy, N. Y.
en & Morrison File Co., Middletown, N. Y.
ock & Co., steam fitters' supplies, 40 N. 6th, Phila., Pa.
ock, John, & Sons, potteries, Trenton, N. J.
ock Textile Co., cotton mops, Milford Centre, Ohio.
ock's, Thomas, Sons Co., potteries & plumbers' earthenware upplies, Trenton, N. J.
ox Fdry. & Mach. Co., Archer, Florida.
ox, J. M., architect, Gate City rd, Birmingham, Ala.
ox Machine Co., wood-working machinery, Jamestown, N. Y.
a Sugar Pine Co., Madera, Cal.
ra-Hill Coal Mining Co., bituminous, No. America bldg. hiladelphia, Pa.
an, G. Harry, architect, 243 Withers, Brooklyn, N. Y.
an Lumber Co., Dunkirk, N. Y.
Grain & Elevator Co., flour, Hadill, Okla.
Oil & Cotton Co., see Farmers Cotton Oil Co. (successor).
on Auto & Machine Co., Madison, Ga.
on Basket Co., willow ware mfrs., Madison, Ohio.
on Brass Wks., Madison, Wis.
on Brick Co., Madison, Ind.
on Coal Corp., 910 S. Michigan blvd, Chicago, Ill.
on Construction Co., Anderson, Ind. & 212 Clay, Baltimore, d.
on Fertilizer Co., Madison, Ga.
on Foundry Co., Cleveland, Ohio.
on Glue Mfg. Co., Inc., 97 Beekman, New York.
on Iron Wks., arch'l & ornamental, 449 E. 120th, New York ty.
n-Jackson-Estill Lumber & Development Co., Panola, Ky.
n, Jas., sash, door & blind, New Palestine, Ind.
n-Kipp Lubricator Co., Madison, Wis.
n Machine Co., mchsts. & fdrs., Madison, Ind.
n Mfg. Co., milling cutters, Spring & Elton, Muskegon, ich.
n Mill & Grain Co., Madison, S. D.
n Motors Corp., Anderson, Ind.
n Plow Co., Madison, Wis.
n Saddlery Co., Madison, Wis.
n Tent & Awning Co., Madison, Wis.
n Wheel Co., Madison, Ohio.
nville Flouring Mills, Madisonville, Tenn.
nville Milling Co., flour, Madisonville, Ky.
nville Saw & Planing Mill, Madisonville, La.
r Quality Co., toys, Utica, N. Y.

Madry, J. W., brick, Scotland Neck, N. C.
Madsen Construction Co., Builders Exchange, Minneapolis, Minn.
Madsen, M. C., brick, Hutchinson, Minn.
Madsen & Wistoft Constr. Co., Poughkeepsie, N. Y.
Madson, Christensan & Ingbretson, bldg. contrs., 379 31st, Milwaukee, Wis.
Maeglin, Gustave, brick, Muscatine, Ia.
Maeher, Paul, Co., cornices, 2210 W. Lake, Chicago, Ill.
Maene, Edw., archl. modelers, 309 S. Lawrence, Phila., Pa.
Maer Knitting Mills, sweaters, cardigans, etc., 392 Broadway, New York.
Maerky, Emil, machsts., 218 Arch, Philadelphia, Pa.
Maes, Jacob, brick, Hoffmeister av E. of Mo. Pac. Tracks, St. Louis, Mo.
Maescher, Chas. V., & Co., contractors, 617 Hunt, Cincinnati, O.
Maescher & Co., meat packers, 1754 Central av, Cincinnati, O.
Mafreto Mach. & Tool Co., Worcester, Mass.
Magaril, Morris, mattresses, 19 Moore, Brooklyn, N. Y.
Magazine Hardwood Sawmill Co., Mobile, Ala.
Magaziner & Eberhard, 603 Chestnut, Phila., Pa.
Magaziner & Potter, architects, 603 Chestnut, Philadelphia, Pa.
Magee, Alonzo H., radiator valves, 136 Beekman, New York.
Magee Bros., packing box, Janesville, Wis.
Magee Carpet Co., 230 Fifth av, New York.
Magee Furnace Co., 38 Union, Boston, & Chelsea, Mass.
Magee, J. A., architect, Phelan bldg, San Francisco, Cal.
Magee, Jno. A., Co., wholesale hardware, Clarion, Pa.
Magee, M., & Son, flag mfrs. & tents (cont., eac.), 147 Fulton, New York.
Magee Mfg. Co., brass & iron bedsteads, 1518 Tchoupt, New Orleans, La.
Magee & Richards, tailors' squares, 223 Grand, New York.
Magee Steam Specialty Corp., 136 Beekman, New York.
Mager, C., ale & beer pumps, 314 W. 39th New York.
Mager & Gouglemann, artificial eyes, 104 E. 12th, New York.
Mager & Newman Tinware Co., ash & garbage cans, stove pipe & elbow mfrs., 160 Monroe, New York.
Maggard, L. D., & Co., cross ties, Paintsville, Ky.
Magic-Keller Soap Works, 1583 Washington, Louisville, Ky.
Magie Bros., lubrg. oils, 110 S. Clinton, Chicago, Ill.
Magie, E. E., Specialty Mfg. Co., 551 Wahl av, Milwaukee, Wis.
Magill Hardware Co., Chattanooga, Tenn.
Magill, J. R., canned goods, Bellingham, Wash.
Magill, W., contractor, Beloit, Wis.
Maginn, Chas., stained glass window mfrs., 17 E. 14th, New York.
Maginn, P. F. & Co. See McLear Mfg. Co. (successor).
Maginnis & Walsh, architects, 30 E. 42d, New York, & 100 Boylston, Mass.
MaGirl, P. H., hot air furnaces, Bloomington, Ill.
Maglathlin, F. W., & Co., tacks, Kingston, Mass.
Magley Bros., machsts. & fndrs., Columbia City, Ind.
Magna Machine Co., tool posts, 626 Driggs av, Brooklyn, N. Y.
Magnan, N. J. Co., tennis rackets, North Attleboro, Mass.
Magnesia Covering Co., 1927 Market, Phila., Pa.
Magness, R. L., & Co., canned goods, Emmorton, Md.
Magnet Cement & Dressing Co., glue mfrs., Primos, Pa.
Magneta Co., clocks, time recorders & stamps, 37 E. 28th, New York.
Magnetic Manufacturing Co., magnetic separators, 864 Windlake av, Milwaukee, Wis. *See adv. index at end of book*
Magnetic Separator Co., Troy, N. Y.
Magneto Parts Co., 1790 B'way, New York.
Magnetol Printing Ink Co., 461 8th av, New York.
Magney, G. Renatus, archit., Builders Exchange, Minneapolis, Minn.
Magnis Co., Inc., castings, 860 N. Main, Los Angeles, Cal.
Magnolia Cotton Mills Co., Magnolia, Miss.
Magnolia Metal Co., babbitt metal mfrs., 113 Bank, New York *See adv. index at end of book.*
Magnolia Petroleum Co., Galveston, Tex.
Magnus, A., sons Co., bottlers' machy. & supplies, 327 W. Randolph, Chicago, Ill.
Magnus, Andrew, crushed stone, Elgin, Ill.
Magnus Co. See Magnus Metal Co. (successor).
Maganus Constr. Co., 294 Washington, Boston, Mass.
Magnus, Henry, cornices & skylights, Winona, Minn.
Magnus & Lauer, soda fountain, fruits & syrups, 139 Fremont, San Francisco, Cal.
Magnus, Mabee & Reynard, soap makers' supplies, 257 Pearl, New York.
Magnus Metal Co., mchsts. & fndrs., 80 E. Jackson blvd., Chicago, Ill., & 111 Bway., New York.
Magnus, Wm. J., mchsts., Webster, S. D.
Magnuson, Hugo E., architect, 52 Vanderbilt, New York.
Magnusson, Fred., architect, Marshfield, Ore.
Magonigle, H. Van Burne, architect, 101 Park av, New York.
Magoon, M. A., architect, Logan, Ohio.
Magor Car Corp., 30 Church, New York.
Magosy & Buscher, metal spinning, 118 Walker, New York.
Magruder, Benj. E., brick, tile, Winfield, Mo.
Mague, Wm. H., architect, West Newton, Mass.
Maguire Bros. Co., second-hand barrels, 820 Girard av, New York.
Maguire, Chas. B., Co., contractors, Turks Head Bldg., Providence, R. I.

Maguire, Edward J., contractor, 1263 Atlantic av, Brooklyn, N. Y.
Maguire, John P., contr., New Brittain, Conn.
Maguire Rubber Co. belting, hose, packing, etc., 200 5th av, New York.
Maguire, W. J., cornices & skylights, 46 Cornhill, Boston, Mass.
Maguire, Wm. G., fringes, silk upholstery, etc., Camden, N. J.
Mahaffey, David, architect, 118 N. La Salle, Chicago, Ill.
Mahaffy Bros., woolen flannels, Pulaski, N. Y.
Mahan & Broadwell, architects, 144 Madison av, Memphis, Tenn.
Mahan Co., mill & factory supplies, Winchester, Ky.
Mahan Co., stone producers, 2132 S. Kedzie av, Chicago, Ill.
Mahan, Frank H., contractor, Ardmore, Pa.
Mahan, Jas., machsts., Canastota, N. Y.
Mahanna, William, common brick, Lenox, Mass.
Mahar Bros. Slate Co., Fair Haven, Vt.
Mahar, M. A., masons' & bldrs.' matls., Greenville, Ohio.
Maher Bros. Corp., masons' & bldrs.' matls., Greenwich, Conn.
Maher & Flockhart, founders, 76 Polk, Newark, N. J.
Maher, Frank W., contractor, 501 5th av, New York.
Maher, Geo. W., architect, 206 S. La Salle, Chicago, Ill .
Maher, J. J., lightning rods, Preston, Ia.
Maher, Jas. S., architect, 431 W. 14th, New York.
Maher & McNicholas, contractors, Kearny, N. J.
Maher, Patrick, mchsts. & fndrs., Jamestown, N. Y.
Maher, Philip, & Son, stone producers, Burmont, Pa.
Maher & Sprague, Inc., contrs., 185 Church, New Haven, Conn.
Maher, Thos. F., contractor, 883 Orange, New Haven, Conn.
Maher & O'Connell, masons, New Haven, Conn.
Maher & Winchester, architects, 8 Beacon, Boston, Mass.
Maher's, Edw., Sons, mchsts. & fndrs., 216 Berlin, Newark, N. J.
Mahl, Herman, contractor, Hartford, Conn.
Mahle, C. A., & Son, Ltd., broom blocks, wood handles, Corry, Pa.
Mahler, H. H., architect, Tulsa, Oklahoma.
Mahler, P., & Sons, brushes (steel, wire, etc.), 299 Pearl, New York.
Mahlke, R. H., mchsts. & fndrs., Wheeling, W. Va.
Mahlow & Wyckoff, rubbers, dies molds, Trenton, N. J.
Mahlstedt, J. A., Lumber & Coal Co., masons' & bldrs.' matls., New Rochelle, N. Y.
Mahnken Bldg. Material Co., Varick av, Brooklyn, N. Y.
Mahon, M. J. & C. M., canned goods, Ellendale, Del.
Mahon, R. C., Co., cornices & skylights, & sheet metal workers, St. Aubin & E. Grand blvd, Detroit, Mich.
Mahoney & Coffey, contrs., 29 Weybosset, Providence, R. I.
Mahoney Construction Co., Portland, Me.
Mahoney, Daniel, & Sons, mill & facty. supplies, 17 Main, Buffalo, N. Y.
Mahoney, E. H., Chair Co., Gardner, Mass.
Mahoney, John, mason bldr., South Manchester, Conn.
Mahoney, P. J., masons' & bldrs.' matls., Westfield, Mass.
Mahoney, Pat'k F., brass castings, 552 W. Lake, Chicago, Ill.
Mahoney Railroad Ditching Machine Co., Vincennes, Ind.
Mahoney & Swanson, contractors, Jamestown, N. Y.
Mahoney, Wm., Mattress Co., Walpole, Mass.
Mahoney, Wm. P., contractor, Harrison Bldg., Philadelphia, Pa.
Mahoning Foundry Co., Youngstown, Ohio.
Mahoning Fdry. & Mach. Co., Punxsutawney, Pa.
Mahoning Limestone Co., New Castle, Pa.
Mahoning Ore & Steel Co., Widener Bldg., Philadelphia, Pa.
Mahoning Steel Products Co., stamping works, Warren, Ohio.
Mahoning Valley Steel Co., Niles, Ohio.
Mahony Bros., contractors, Hobart Bldg., San Francisco, Cal., & 473 W. 153d, New York.
Mahony Mfg. Co., mchsts & fndrs., Troy, N. Y.
Mahony, T., willow ware mfrs., 819 E. 5th, New York.
Mahood, Alex B., architect, Bluefield, W. Va.
Mahr Mfg. Co., oil & gas burning equipt., 1300 N. E. Quincy. Minneapolis, Minn.
Mahurin & Mahurin, architects, 124 W. Jefferson, Fort Wayne, Ind.
Maibohm Motor Co., Racine, Wis.
Maibohm Motors Co., Sandusky, Ohio.
Maiden American Toy Mfg. Co., toys & dolls, 101 Varick, New York.
Malden, Wm. M., corn brooms, Muscatine, Ia.
Maier, Fred., & Sons, masons' & bldrs.' matls., Seneca Falls, N. Y.
Maier, Geo., & Bros., contrs., Bridgeton, N. J.
Maier, Martin, & Co., trunk mfrs., 102 Woodward, Detroit, Mich.
Maier, Marx, Inc., cotton waste, 200 5th av, New York.
Maier, Sebastian, stone, St. Joseph, Mo.
Maier, Wm., machsts., 2720 N 13th, St. Louis, Mo.
Maiers, G. F., machinist, Goleta, Cal.
Maier's, John G., Sons, lacquer mfrs., 153 N. Gay, Baltimore, Md
Mail Wrapper Tube Co., 162 E. 118th, New York.
Mailander Co., show cases, fixtures, Waco, Tex.
Mailloux, J. C., & Sons Co., mill & factory supplies, Woonsocket, R. I.
Mailometer Co., machy., dies, gauges, etc., 1093 Jefferson av. Detroit, Mich.
Maimin, H., Co., mach., 251 W. 19th, New York.
Main Belting Co., 1219 Carpenter, Philadelphia, Pa.
Main Bros. Box & Lumber Co., Karnak, Ill.
Main, Chas. T., engineer, textile mills, industrial plant, steam and water power developments, 201 Devonshire, Boston. Mass.
Main Electric Co., Portland, Ore.
Main Elec. Mfg. Co., storage batteries, lightning plants, etc. Cleveland, Ohio.
Main Iron Works, boilers, mining machy., etc., 16th & Daggett San Francisco, Cal.
Main Island Creek Coal Co., Omar, W. Va.
Main, Lucius Clark, architect, Maplewood, N. J.
Main Paper Stock Co., Inc., cotton waste, 31 Peck Slip, New York.
Main Street Iron Works, 163 Main, San Francisco, Cal.
Main, Thos. B., archl. engineers, Stephen Girard Bldg., Philadelphia, Pa.
Maine Electric Co., Portland, Me.
Maine, H. A., & Co., contractors, Waterloo, Ia.
Maine Iron Works, centrifugal pumps, 2036 Dominick, Chicago, Ill.
Maine, Jas., & Sons Co., contractors, Des Moines, Ia.
Maine Machine works, 701 N. Main, Los Angeles, Cal.
Maine Mfg. Co., refrigerators & cooling rooms, Nashua, N. H.
Maine & N. H. Granite Corp., North Jay, Me.
Mainstream Lumber Co., Gorham, N. H.
Maintenance Co., freight elev., 417 Canal, New York.
Mainzer, H. R., architect, 105 W. 40th, New York.
Maire Paint Co., 329 Boston block, Minneapolis, Minn.
Mairs, W. H., & Co., wall paper mfrs., 68 Sackett, Brooklyn, N. Y.
Mais Motor Truck Co., Indianapolis, Ind.
Maisey & Dion, lumber mfrs., 2349 Loomis, Chicago, Ill.
Maish, Chas. A., Co., packing pads, 1125 Bank, Cincinnati, O
Maish Mfg. Co., mchsts. & fndrs., Warsaw, Ind.
Maitland, Robert, & Son, cornices & skylights, Clinton, Mass.
Majert, Emil, Co., transfer graining paper, 9 E. 37th, New York
Majestic Co., mfrs. refuse cans, coal chutes, dumps, furnace etc., 610 Erie, Huntington, Ind.
Majestic Doll Co., 41 Greene, New York.
Majestic Elec. Appliance Co., arc lamps, 5 E. 14th, New York
Majestic Electric Development Co., heaters, O'Farrell, San Francisco, Cal.
Majestic Mfg. Co., mchsts. & fndrs., 2014 Morgan, St. Louis, M
Majestic Milling Co., flour, Aurora, Mo.
Majestic Rubber Co., Akron, Ohio.
Major Bros. Packing Co., fertilizer mfrs., Mishawaka, Ind.
Major, Chas. M., architect, Portsmouth, Va.
Major, Howard, architect, 281 5th av, New York.
Major & Loomis Co., lumber, Hertford, N. C.
Major, M. E., Elec. Co., armatures, Wilkes-Barre, Pa.
Major Mfg. Co., cements & water coolers, 461 Pearl, New York
Major, R. H., & Co., lumber, Smithville, Mo.
Major, S. C., & Co., lumber, Memphis, Tenn.
Major-Sowers Sawmill Co., Enley, Miss.
Major Stave Co., cooperage stock, Ashdown, Ark.
Make, A., Motor Truck Co., 1508 Michigan av, Chicago, Ill.
Makel, John, contractor, Camden, N. J.
Makepeace, B. L., archs. instruments, 387 Washington, Boston, Mass.
Makepeace, C. R., & Co., mill engrs., 429 Butler Exch., Providence, R. I.
Makin Heating Co., furnaces, 1827 Filbert, Phila., Pa.
Makley Bros., carriages, St. Mary's, O.
Makutchan Roller Bearing Co., Joliet, Ill.
Malbin, Mayer, plumbers' supplies, jobbers, 303 E. 60th, New York.
Malbon, P. J., hdwe., 109 Commercial pl., Norfolk, Va.
Malcolm & Dyer Co., cornices & skylights, Augusta, Me.
Malcolm, J. B., & Co., canned goods, Marion, N. Y.
Malcolm, Thos., contractor, Hartford, Conn.
Malcolmson Briquet Engng. Co., Old Colony Bldg., Chicago,
Malcolmson & Higginbotham, architects, 404 Moffatt, Detroit, Mich.
Malcom, A. G., & Bro., lumber, Crawfordville, Ga.
Malcomb, B. H., & Bro., lumber, Fairplay, Ga.
Malden, C. C., & Mattress Co., Malden, Mass.
Malden City Lumber Co., masons' & bldrs.' matls., sash, doors, blind mfrs., Malden, Mass.
Malden Knitting Mills, lamp wicks & sweaters, Malden, Mass.
Malecot, P. B., & Co., cornices, West Hoboken, N. J.
Males Co., steam shovels, 2226 Fulton av, Cincinnati, Ohio.
Maley, Hy., Lbr. Co., Jackson, Miss.
Maley & Kelly Contracting Co., Mass. Bldg., Kansas City,
Maley, R. S., masons' & bldrs.'s matls., Daytona, Fla.
Maley & Wertz, lbr. mfrs., Evansville & Vincennes, Ind.
Malin & Co., belt lacing, beaters, insulated wire, 2514 Vestry Cleveland, O.
Malin, S. L., & Son, lumber mfrs., Painesville, Ohio.
Malkin, A. R., & Co., contractors, Norwalk, Conn.
Malkind, Samuel L., architect, 1270 54th, Brooklyn, N. Y.
Mallander, Herman, contractor, Wilkes-Barre, Pa.
Malleable Iron Fittings Co., mchsts. & fndrs., Branford, Co
Malleable Iron Range Co., stove, Beaver Dam, Wis.
Malleable Iron Works, mchsts. & fndrs., New Britain, Conn.
Malleable Steel Range Mfg. Co., So. Bend, Ind.
Mallery, S. W., reducing wheels, 123 Liberty, New York.
Mallery, W. A., Jr., agricultural implements, Hillsdale, N.
Mallett Contracting & Supply Co., Walker av & Kirk, New Y
Mallett, Geo. A., Co., landscape architects, 341 Fairfield Bridgeport, Conn.
Mallett & Nutt, fertilizer, Jackson, Ga.

lley, Mary, brick, Haverstraw, N. Y.
allinckrodt Chemical Works, 2nd & Mallinckrodt, St. Louis, Mo.
allinger, John, architect, 3626 N. Racine, Chicago, Ill.
allis, William, architect, Lyon bldg, Seattle, Wash.
allison Braided Cord Co., Athens, Ga.
alloch, J. S., contractor, 110 Jessie, San Francisco, Cal.
allory Bros. & Turner, turpentine, Fenholloway, Fla.
allory, C. M., ladders, Albion, N. Y.
allory, T. B. Co., loggers machy., 235 Pine, Portland, Ore.
allory Machy. Co., 522 Light, Baltimore, Md.
allory Mfg. Co., shutter workers, Flemington, N. J.
allory, W. A., & Bro., lumber, Sylvania, Ga.
allow & Kadditz, contrs., Watertown, Wis.
alloy, D. C., & Co., turpentine, Habira, Ga.
alloy, Smith & Co., turpentine, Hampton Springs, Fla.
alm, C. A., & Co., trunks, 2199 Folsom, San Francisco, Cal.
almer, Eugene, architect, 73 Fox, Aurora, Ill.
almgren, K. G., archit., Rookery bldg, Spokane, Wash.
almsten, Theo. E., advtg. spec., 3517 North av, Strass Bldg. Milwaukee, Wis.
alm & Stahl Tool Works, special machinery, 561 Washington, Chicago, Ill.
alnati, A., & Co., granite, S Quincy, Mass.
alnati Bros., granite, Barre, Vt.
alone, Bernard, contractor, 163 Corey rd, Boston, Mass.
alone Bros., carriages, Cadiz, Ky.
alone Excelsior Co., Malone, N. Y.
alone Hardware Co., Malone, N. Y.
alone Oil Co., 2197 E. 18th, Cleveland, Ohio.
alone Paper Co., Malone, N. Y.
alone Stone Co., Union Bldg., Cleveland, Ohio.
alone, Watson, & Sons, lumber, Laurel St. Wharf, Phila., Pa.
aloney, J. A., & Co., lbr. mfrs. & wholesale dlrs., 16 Beaver, New York.
aloney, John, stone producers, Skykomish, Wash.
aloney, Michael, contractor, Springfield, Mass.
aloney Oil & Mfg. Co., masons' & bldrs.' matls., Scranton, Pa.
aloney, T. J., scrap iron & steel, A. V. R. R. & 29th, Phila., Pa.
aloney Tank Mfg. Co., Tulsa, Okla.
aloney, Wm. S., steam htg. contrs., 4632 Olive, St. Louis, Mo.
alott & Peterson, Inc., contrs., 1049 Monadnock Bldg., San Francisco, Cal.
alpass Bros., mchsts. & fndrs., East Jordan, Mich.
alsby Co., mill & factory supplies, Atlanta, Ga.
alsby Machy. Co., mill & factory supplies, Jacksonville, Fla.
alt-Diastase Co., de-sizing agent, 79 Wall, New York.
alta Mfg. Co., sashes, doors & blinds, Malta, Ohio.
alty, Geo. W., & Sons Co., contractors, 21 Maryland, Buffalo, N. Y.
alty Prism Co., cornices & skylights, Flatiron Bldg., New York.
alty, W. H., & Sons, masons' & bldrs.' matls., Corning, N. Y.
althiessen & Hegeler Zinc Co., spelter & zinc, La Salle, Ill.
alvern Fire Clay Co., Malvern, O.
alvern Lumber Co., Chemical Bldg., St. Louis, Mo.
alz, Herman, glass stainers, 19 E. 14th, New York.
amer Bros., common brick, Campus, Ill.
ammele, C. C., & Son, meat packers, Wilmington, Del.
ammoth Spring Milling Co., Mammoth Spring, Ark.
anolith Carbon Paint Co., 2d & Main, Cincinnati, Ohio.
anpoteng, Fred., architect, 103 Park av, New York.
anahan Bros. Heating Co., Town of Union, N. J.
anahan, Edwin F., architect, North Bergen, N. J.
anahan Moth Paper Co., moth proof bags, 370 Pearl, New York.
anashaw, Chas. C., fringes (silk upholstery, etc.), 131 W. 31st, New York.
anatee Fuller's Earth Corp., 141 Broadway, New York.
anatee Lbr. Co., Manatee, Fla.
anayunk Coal & Lime Co., masons' & bldrs.' mtls., Main & Umbria, Philadelphia, Pa.
anbeck, W. H., & Co., masons' & bldrs.' matls., Mifflin, Pa.
anchester, Albert C., Co., contractors, 136 Dorrance, Providence, R. I.
anchester Board & Paper Co., Richmond, Va.
anchester, C. B., Gas Furnace Co., 60 Friendship, Providence, R. I.
anchester & Co., tubular boilers, 3108 Smallman, Pittsburgh, Pa.
anchester Cotton Mills, cotton sheetings, La Grange, Ga.
anchester Cotton Mills, Manchester, Ga.
anchester Cotton Mills, tickings, Rock Hill, S. C.
anchester, E., & Sons, fertilizer mfrs., Winsted, Conn.
anchester, Geo. L., Co., mill & factory supplies, Easthampton, Mass.
anchester Hardware Co., Manchester, N. H.
anchester & Hudson Co., masons' & bldrs.' matls., 55 Point, Providence, R. I.
anchester, J. B., Co., coppersmiths, 190 Eddy, Providence, R. I.
anchester Mfg. Co., cotton twine, Macon, Ga.
anchester Mfg. Co., mchsts. & fndrs., North Manchester, Ind.
anchester Mfg. Co., rims & felloes, Manchester, Tenn.
anchester Mills, flour, Richmond, Va.
anchester Real Estate & Mfg. Co., brick & contrs., Manchester, N. H.
Manchester Sawmills, Manchester, Ala.
Manchester Shale Brick Co., drain, tile, etc., Harrisburg, Pa.
Manchester Supply Co., plumbers, mill & factory supplies, jobbers, Manchester, N. H.
Mandalian Mfg. Co., bags, mesh, North Attleboro, Mass.
Mandel, A. J., gloves & mittens, 1220 W. 6th, Cleveland, O.
Mandel Bros., contractors, 1109 Plymouth av, Minneapolis, Minn.
Mandel Mfg. Co., talking machines, 501 Laflin, Chicago, Ill.
Mandeville Co., contractors, Wilkes-Barre, Pa.
Mandeville Mills, fertilizer, Carrollton, Ga.
Mandl, Bernard, gymnasium clothing, 212 W. Madison, Chicago, Ill.
Mandt Wagon Co., Stoughton, Wis.
Maneely, John, mill & factory & steam fitters' supplies, 300 Arch, Philadelphia, Pa.
Manegold, A. F. & L., stone, 766 Jefferson, Milwaukee, Wis.
Manegold Contr. Co., Navarre Bldg., St. Louis, Mo.
Manehan, F. T., landscape architect, 12 Fairview av, Spokane, Wash.
Manor, J. D., & Co., flour mills, New Market, Va.
Manetta Mills, blankets, flannels—cotton, Lando, S. C.
Maney Bros., contractors, Oklahoma, Okla.
Maney, M. J., wooden baskets and basket handles, Geneva, N. Y.
Maney Milling Co., flour, Omaha, Neb.
Manfer Truck Co., tractors, 503 S. Wabash av, Chicago, Ill.
Manganese Steel Safe Co., machsts., High Bridge, N. J.
Mangels, Wm. F., Co., miniature organs, r'ys., etc., 2863 W. 8th, Brooklyn, N. Y.
Manger, E. C., & Son Co., coffins, caskets, etc., Green Bay, Wis.
Mangin, Thos. F., architect, 332 S. Salina, Syracuse, N. Y.
Mangini, Nicholas, contractor, Yonkers, N. Y.
Mangold Stave & Cooperage Co., wooden kegs, Weber rd & Grand av, St. Louis, Mo.
Mangrum & Otter, cooking apparatus, 561 Mission, San Francisco, Cal.
Mangrum & Otter Co., cornices & skylights, San Jose, Cal.
Mangum Cotton Oil Mill Co., Mangum, Okla.
Mangum Milling Co., flour, Mangum, Okla.
Mangum Pressed Brick Co., Mangum, Okla.
Mangus, C. B., & S. D., canned goods, Vesuvius, Va.
Manhard, M. R., & Son, mill & facty. supplies—whol. hdwe., Marquette, Mich.
Manhasset Mfg. Co., tire fabrics, Putnam, Conn.
Manhattan Auto Parts & Lamp Wks. Co., 162 W. 56th, New York.
Manhattan Bedding Co., Anable av, L. I. City, N. Y.
Manhattan Belting Co., 329 Lafayette, New York.
Manhattan Box Co., pack'g box mfrs., 410 E. 32d, New York.
Manhattan Brass Co., 332 E. 28th, New York.
Manhattan Briar Pipe Co., 425 Greenpoint av, Brooklyn, N. Y.
Manhattan Brush Mfg. Co., brooms (bamboo, rattan, etc.), 629 E. 16th, New York.
Manhattan College, engng. school & coll., 131st & B'way, New York.
Manhattan Color Wks., paint, kalsomine & size mfrs., etc., 1035 Kelly, New York.
Manhattan Constr. Co., Muskogee, Okla.
Manhattan Contracting Co., Seattle, Wash.
Manhattan Dental Co., imitation platinum, & non-fus'g platinoid, Times Bldg., New York.
Manhattan Dial Mfg., Co., 40 Lex. av, Brooklyn, N. Y.
Manhattan Distributing Corp., elec. portables, 608 S. Dearborn, Chicago, Ill.
Manhattan Drug Co., cuttlefish bone, 50 Warren, New York.
Manhattan Elec'l Supply Co., mfrs. electrical goods, 17 Park pl, New York. *See adv. index at end of book.*
Manhattan Fire Alarm Co., 44 E. 23rd, New York.
Manhattan Gas Htg. Co., stoves, htrs. & ranges, 909 7th av, New York.
Manhattan Hickory Broom Co., 171 3d av, New York.
Manhattan Iron & Steel Sales Co., 122 E. 132d, New York.
Manhattan Lime Co., 1325 37th, Brooklyn, N. Y.
Manhattan Lumber Co., 8338 Coml. av, Chicago, Ill.
Manhattan Machine & Tool Works, Grand Rapids, Mich.
Manhattan Machy. Exchange, 30 Church, New York.
Manhattan Metallic Casket Co., 2426 1st av, New York.
Manhattan Paint Co., 1348 W. 70th, Cleveland, Ohio.
Manhattan Pearl Button Mfg. Co., 195 Park pl, L. I. City, N. Y.
Manhattan Perfected Ventilator Co., 11 Baxter, New York.
Manhattan Perforated Metal Co., 237 Centre, New York.
Manhattan Repair & Supply Co., machsts., 108 Lawrence, New York.
Manhattan Roll Label Co., 31 Beekman, New York.
Manhattan Roofing Co., cornices & skylights, 133 E. 118th, New York.
Manhattan Rubber Mfg. Co., centrifugal baskets, fan blowers, etc., Passaic, N. J.
Manhattan Shoe Polish Co., 367 Hamilton av, B'klyn, N. Y.
Manhattan Soap Co., 426 W. 38th, New York.
Manhattan Spring Bed Co., 9 Elizabeth, New York.
Manhattan Straw Board Co., B'way & 42d, New York.
Manhattan Trunk Box Factory, 505 E. 18th, New York.
Manhattan Washboard Co., 323 Pearl, New York.
Manhattan Wood Nov. Co., jewelry cases, 40 Fulton, New York.
Manhattan Wood Working Co., sash, door & blind mfrs., 281 Rider av, New York.

Manheim Mfg. & Belting Co., belting mfrs., Manheim, Pa.
Manheim Milling Co., flour, Manheim, Pa.
Manheimer, J., essential oils, 28 Gold, New York.
Manick Hdwe. Co., whol., 160 Lafayette, New York.
Manicure Nov. Mfg. Co., 49 E. 21st, New York.
Manierre Engng. & Mach. Co., Colby-Abbott Bldg., Milwaukee, Wis.
Manifold, J. H. C., masons' & bldrs.' matls., Dillonville, Ohio.
Manifold Supplies Co., carbon paper & typewriter ribbons, 188 3d av, Brooklyn, N. Y.
Manion & Co., plumbers' supplies—jobbers, 618 Baronne, New Orleans, La.
Manistee Iron Works Co., machsts. & fndrs., Manistee, Mich.
Manistique Lumbering Co., Ford Bldg., Detroit, Mich.
Manitowoc Boiler Works Co., locomotive, marine return tubular & tubular boilers, Manitowoc, Wis.
Manitowoc Bldg. Supply Co., sash, door & blind mfrs., Manitowoc, Wis.
Manitowoc Church Furniture Co., Waukesha, Wis.
Manitowoc Clay Products Co., Manitowoc, Wis.
Manitowoc Electric Implement Co., vibrators—foundry, Manitowoc, Wis.
Manitowoc Engng. Works, digestors, dryers, heavy tanks, heavy plate fabricators, Manitowoc, Wis.
Manitowoc Fdry. & Mach. Co., Manitowoc, Wis.
Manitowoc Land & Fuel Co., masons' & bldrs.' matls., Manitowoc, Wis.
Manitowoc Ship Building Co., steel ship builders, Manitowoc, Wis.
Mankato Mfg. Co., steam & hot water contrs., Mankato, Minn.
Manke, B. C., Sheet Metal Wks., cornices & skylights, Seattle, Wash.
Mankoff, L. G., boxes, Verden, Okla.
Manley Carriage Co., 1319 N. 9th, St. Louis, Mo.
Manley, F. J., architect, Lexington, Ky.
Manley-Moore Lumber Co., Tacoma, Wash.
Manley & Sons, lumber mfrs., Bellingham, Wash.
Manley & Young, architects, Knoxville, Tenn.
Manly Jail Works, Dalton, Ga.
Mann Bros., contractors, 1002 5th av S, Birmingham, Ala.
Mann Bros., scrap iron, Norristown, Pa.
Mann Bros. Co., linseed oil, etc., 340 Ohio, Buffalo, N. Y.
Mann, Chas. A., engine lathes, watchmakers' tools, etc., 166 Doyle av, Providence, R. I.
Mann Corp., domestic ironing machines, etc., 72 W. Adams, Chicago, Ill.
Mann Edge Tool Co, machsts, Lewistown, Pa.
Mann, F. R., & Son, plate glass, 437 St. Peter, St. Paul, Minn.
Mann, F. W., Co., agricultural implements, Milford, Mass.
Mann, Fred'k M., architect, McKnight Bldg., Minneapolis, Minn.
Mann & Garanflo Land & Lumber Co., New Madrid, Mo.
Mann & Gattling, architects, Scimitar Bldg., Memphis, Tenn.
Mann, Geo., stone producers, Columbia av & B. & O. R. R., Baltimore, Md.
Mann & Stern, architects, Little Rock, Ark.
Mann & Gerow, architects, Hutchinson, Kans.
Mann, H. D., Co., disinfectants, 124 N. Warren, Syracuse, N. Y.
Mann, Herbert R., & Co., pads & tablets, Troy, N. Y.
Mann & Hunter Lbr. Co., 834 S. Salina, Syracuse, N. Y.
Mann, Jas. H., Co., machsts., Lewiston, Pa.
Mann, Joseph, fertilizer, Stockbridge, Ga.
Mann, Lewis M., & Son, wood handles, West Paris, Me.
Mann Lbr. Co., Henderson, Mont.
Mann-McCann Co., cars, rattlers, smoke jacks, etc., 305 S. La Salle, Chicago, Ill.
Mann & MacNeille, architects, Book bldg, Detroit, Mich. & 70 E. 45th, New York.
Mann Mfg. Co., lavatories, slop sinks, etc., 17 W. Parkway, N. S., Pittsburgh, Pa.
Mann & Pinault, architects, St. Cloud, Minn.
Mann, V., fringes (silk, upholstery, etc.), 484 6th av, New York.
Mann, Wm., Co., paper & pulp mills, 529 Market, Phila., Pa.
Mann, Wm. G., archit., 402 Boston Blk., Seattle, Wash.
Mann, Wm. D., architect, Ashland blk., Austin Sta., Chicago, Ill.
Mannan-Smith Supply Co., masons' & bldrs.' matls., St. Joseph, Mo.
Manne, L., Upholstering & Carpet Cleaning Co., mattresses, St. Louis, Mo.
Mannen, John E., Co., cornices, dust collectors, furnaces, etc., 2247 St. Clair, Cleveland, Ohio.
Manning Abrasive Co., Troy, N. Y.
Manning-Bowman & Co., machsts. & fdrs.—elec. cooking app., plated silver ware, etc., Pratt, Meriden, Conn.
Manning Bros., conrs., Fresno, Cal.
Manning, Chas. W., lbr. mfrs. & wholesale dlrs., 66 Broad, New York.
Manning, Harry J., architect, Majestic Bldg., Denver, Col.
Manning, Jas. C., contractor, Plainfield, N. J.
Manning, Jas. E., contractor, 26 Beacon Hill av, Lynn, Mass.
Manning, John A., Paper Co., Troy, N. Y.
Manning, L. H., Co., contractors, Tuscon, Ariz.
Manning, L. L., & Son, stone producers, Plainfield, N. J.
Manning Mfg. Co., dairy app., Rutland, Vt.
Manning, Maxwell & Moore, mill & facty. supplies, 119 W. 40th, New York.
Manning Oil Mill, meal, fertz. mfrs., Manning, S. C.
Manning Shingle Co., Spokane, Wash.

Manning, Warren H., landscape archt., Tremont Bldg., Boston Mass.
Mannington Window Glass Co., Mannington, W. Va.
Mannix Bros., stone, Portland, Me.
Mannix, Jas., contractor, 25 Gilchrist, Jersey City, N. J.
Mannix, Patrick W., granite, W. Quincy, Quincy, Mass.
Manny, Anthony, & Co., stone producers, Hankins, N. Y.
Manogue, Edw. Co., cornices, Troy, N. Y.
Manown Mfg. Co., fire brick, Oliver Bldg., Pittsburgh, Pa.
Manross, F. N., & Sons, clock hairsprings, Forestville, Conn.
Manrow Sheet Metal Works, Goshen, Ind.
Mans, Nicholas A., masons' & bldrs.' matls., Trenton, Mich.
Mansel, Jas., lumber, Williamsport, Pa.
Mansel & Metzger, lumber, Williamsport, Pa.
Mansell-Hunt-Catty & Co., paper cups, 22 Reade, New York.
Mansfield Brass Foundry, Mansfield, Ohio.
Mansfield & Co., glass signs & ceilings, 229 West, New York.
Mansfield, E., Corp., machsts. & fndrs., Orono, Me.
Mansfield Electric Hardware Co., Mansfield, Ohio.
Mansfield Engineering Co., 1100 Burdsal pkway, Indianapolis Ind.
Mansfield Fndry. Co., grey iron castings, Mansfield, Mass.
Mansfield, Fred C., Co., canned goods, Johnson Creek, Wis.
Mansfield Furnace & Coal Co., machsts. & fndrs., Mansfield, Mass.
Mansfield, G. H., & Co., fish line, Canton, Mass.
Mansfield, Geo. W., architect, 906 Main, Richmond, Ind.
Mansfield Hardwood Lumber Co., Winnfield, La.
Mansfield, Jos. W., knitted gloves, 1527 Ridge av, Phila., Pa.
Mansfield Lock Washer Co., Mansfield, Ohio.
Mansfield Lumber Co., Mansfield, Ohio.
Mansfield Lumber & Constr. Co., Mansfield, Ga.
Mansfield Novelty Co., toys, Mansfield, Pa.
Mansfield Packing Co., canned goods, Jonesport, Me.
Mansfield Pattern Works, Mansfield, Ohio.
Mansfield Piano Co., Willow av. & E. 135th, New York
Mansfield, R., & Son, store & bar fix., Louisville, Ky.
Mansfield Sheet & Tin Plate Co., Mansfield, Ohio.
Mansfield Specialty & Machine Co., Mansfield, Ohio.
Mansfield Tire & Rubber Co., Mansfield, Ohio.
Mansfield, Walter C., lbr., Menominee, Mich.
Manson-Campbell & Sons Co., incubators, 45 Federal, Detroit Mich.
Manson Campbell & Sons Co., fanning mills, Kansas City, Mo.
Manson Co., contractors, The Arcade, Cleveland, Ohio.
Manson Hdwe. Co., Burlington, Vt.
Mansur, Wilfred E., architect, Bangor, Me.
Mansure, E. L., Co., fringes, 1601 Indiana av, Chicago, Ill.
Manteca Canning Co., Manteca, Cal.
Manteno Brick & Tile Co., Manteno, Ill.
Manthey Mfg. Co., steel tanks, Milwaukee, Wis.
Manticoke Constr. Co., Manticoke, Pa.
Mantle & Co., machsts., 1907 Park av, New York.
Mantle Lamp Co. of America, gas mantles, etc., 168-72 N. Halstead, Chicago, Ill.
Mantle Machy. & Patents Co., 150 Lafayette, New York.
Manton, John, tubular boilers, ft. of Court, Brooklyn, N. Y.
Manton & Smith Co., architectural iron, etc., 1709 W. Austin av, Chicago, Ill.
Mantorville Stone Co., Mantorville, Minn.
Mantz, M. A., architect, 234 Spicer, Akron, Ohio.
Manufactured Rubber Co., Franklin Bank Bldg., Philadelphia, P.
Manufacturers' Belt Hook Co., 1321 W. Congress, Chicago, I
Manufacturers' Broom & Brush Co., Memphis, Tenn.
Manufacturers' Broom Co., 1950 W. 114th, Cleveland, Ohio.
Manufacturers' Can Co., Harrison, N. J.
Manufacturers' Charcoal Co., Bradford, Pa.
Manufacturers' Contracting Co., Law Bldg., Wilmington, Del.
Manufacturers' Distributing Co., plumbers' supplies, 325 Pen av, Pittsburg, Pa.
Manufacturers' Equipment Co., tools, Waller av & Fillmore, Chicago, Ill.
Manufacturers' Fdry. Co., 15th & Oklahoma av, Milwaukee, Wis & Sinking Spring, Pa., & Waterbury, Conn.
Manufacturers' & Inventors' Elec. Co., models & experimental wk., batteries, etc., 29 Gold, New York.
Manufacturers' Iron Fdry., Bridgeport, Conn.
Manufacturers' Iron & Steel Co. See Neverslip Works (successor).
Manufacturers' Oil & Grease Co., Century Bldg., Cleveland, O.
Manufacturers' Paraffine Co., oils, Chester, Pa.
Manufacturers Record, business publication, Baltimore, Md.
*See adv index at end of book.*
Mfgs. Rubber & Supply Co., mill & factory supplies, Akron, Oh
Manufacturers' Selling Co., mill & facty supplies, Trenton, N.
Manufacturers' Supplies Co., mill & facty. supplies, Juniper Cherry, Philadelphia, Pa.
Manufacturers' Supply Co., mill & facty. supplies, 2407 Univ. a S. E., Minneapolis, Minn., & New Bedford, Mass.
Manufacturing Equipment & Engineering Co., stock room rac cast iron & caustic soda kettles, Framingham, Mass.
Manufacturing Jeweler, trade publication, 42 Weybosset, Pro dence, R. I.
Manumators Co., chains, mitre boxes, marine motors & childre vehicles, Manitowoc, Wis.
Manville Co., cotton sheeting, Board of Trade Bldg., Providen R. I.

nville, E. J., Machine Co., Waterbury, Conn.
nville, J. A., pianos, Grand Rapids, Mich.
nwell, J. W., heating contr., East Downington, Pa.
nweiler, A. C., Co., Inc., lamps, Ft. Wayne, Ind.
nwell, F. P., & Co., packing box dlrs., 190 A, Boston, Mass.
az, Jos., stone, 1609 Clark, Milwaukee, Wis.
nzel Bros. Co., lubricators, 315 Babcock, Buffalo, N. Y.
nzel, Chas. W., Mfg. Co., oilers, 89-93 Main, Buffalo, N. Y.
nzelmann, Chas., corn brooms, 741 Bellevue, Detroit, Mich.
pes, E. B., & Co., machsts., South Haven, Mich.
pes Formula & Peruvian Guano Co., fertilizer mfrs., 143 Liberty, New York.
phet & Shea Lbr. Co., Knoxville, Tenn.
ple City Furnace Co., Monmouth, Ill.
ple City Glass Co., Honesdale, Pa.
ple Flooring Mfrs. Ass'n, Stock Exchange Bldg., Chicago, Ill.
ples Lumber Co., Knoxville, Tenn.
plewood Mills, absorbent cotton mfrs., Fall River, Mass.
plewood Planing Mill & Stair Co., sash, door & blind mfrs., 2718 Sutton av, St. Louis, Mo.
, Jno. E., & Son, ship bldrs., West Haven, Conn.
a, P. J., contractor, Flushing, N. Y.
ask, Chas., steam htg. contrs., Ozone Park, N. Y.
athon Granite Co., Wausau, Wis.
athon Lumber Co., Wausau, Wis.
athon Mill & Machy. Co., 38 S. Dearborn, Chicago, Ill.
athon Motor Car Co., machsts. & fndrs., Nashville, Tenn.
athon Paper Mills Co., Rothschild, Wis.
athon Theatre Stores Co., transformers, Wausau, Wis.
athon Tire & Rubber Co., Cuyahoga Falls, Ohio.
avigli, John, & Co., granite, Quincy, Mass.
ble Arms & Mfg. Co., machsts. & fndrs., Gladstone, Mich.
ble, B. L., Chair Co., Bedford, Ohio.
ble Card Elec. Co., dynamos, motors & generators, Gladstone, Mich.
ble Cliff Quarries Co., Hartman Bldg., Columbus, Ohio.
ble, E. W., & Co., tex. machy. (shuttle irons), Wilkinsonville, Mass.
ble, J. Russell & Co., mill & facty. supplies & chemicals, Worcester, Mass.
ble & Shattuck Chair Co., 96 Foster, Cleveland, Ohio.
ble, W. A., & Co., canned goods, West Farmington, Me.
ble, W. P., Co., valve wheels, 15 Chardon, Boston, Mass.
blehead Lime Co., 159 N. State, Chicago, Ill.
bleoid Co., tile, pipe joint compounds, cements, etc., 47 W. 34th, New York.
burg Bros., gas igniters, lamps, spark plugs, etc., 90 West, New York.
bury Lbr. Co., Wadley, Ala.
cellus, Geo. A., masons' & bldrs.' matls.—contr., Oneida, N. Y.
cellus Paper Co., Syracuse, N. Y.
ch, A. H., Packing Co., meat, Bridgeport, Pa.
ch-Brownbach Stove Co., Pottstown, Pa.
ch-Tenny Co., drinking fountains, Muskegon, Mich.
chan Calculating Machine Co., calculating & computing machines, Oakland, Cal. Eastern sales office, 237 Railway Exchange Bldg., Chicago, Ill.
chant, Geo. F., Co., machsts., 1420 S. Rockwell, Chicago, Ill.
chant, Wm. T., architect, 36 Pearl, Hartford, Conn.
chetti, J. E., architect, 736 Main, Hartford, Conn.
chman, J. W., contr., Milledgeville, Ga.
ch's, I. F., Sons, masons' & bldrs.' matls., Bridgeport, Pa.
ell & Smith, machsts., Springfield, Mass.
co Mills, cereals, Pine Bluff, Ark.
cott, O. J., & Son, lbr., Randolph, Vt.
cum, S. M., & Bro., flour mills, Sulphur Well, Ky.
cus, Bertram N., architect, 347 5th av, New York.
cus Bros., glass stainers, 866 N. 10th, Phila., Pa.
cus Bros., ground connection clamps, 135 Pearl, Boston, Mass.
cus, Harris & Sons Co., insulator pins & brackets, Muscoda, Wis.
cus, Harry, Iron Wks., 237 Van Sinderen av, B'klyn, N. Y.
cus, M., Bldg. Co., 2023 Reading rd, Cincinnati, Ohio.
cuson, E., flashlight, etc., 70 Cortland, New York.
cussen, Marius, contractor, 201 Sansome, San Fran., Cal.
cy, Geo. L., architect, Dorranceton, Pa.
cy Stove Repairing Co., machsts. & fndrs., 340 Grove, Jersey City, N. J.
cy Tool Wks., Putnam, Conn.
den, Orth & Hastings Co., chemicals, dyes & oils mfrs., 136 Liberty, New York.
den, P. L., & Bro., contrs., Oshkosh, Wis.
dis, J. C., Co., contractors, Des Moines, Ia. & Brandeis Theatre Bldg., Omaha, Neb.
dan & Norton, architects, Ch. of Com. Bldg., Denver, Colo.
dngo Canning Co., Marengo, Ind.
dngo Foundry & Machine Co., Marengo, Ill.
dntette, J. E., contractor, 137 W. Larned, Detroit, Mich.
dsh, Wm., cornices, Iowa City, Ia.
dt & Kauger, cornices, Paducah, Ky.
Machine & Die Casting Co., Inc., 17 Vandewater, New York.
derison, W. H., & A. E. & Co., towels, Jasper & Huntington, Phila., Pa.
derum, H. W., cornices, Princeton, N. J.
don, Irving, architect, 355 E. 149th, New York.

Margraff Mfg. Co., machsts. & fndrs., Augusta, Ky.
Marianna Spoke Co., Marianna, Ark.
Marienthal Co., glue, 1709 John, Cincinnati, Ohio.
Marietta Bone & Phosphate Co., Marietta, Ohio.
Marietta Casting Co., Marietta, Pa.
Marietta Chair Co., Marietta, Ohio.
Marietta Hollow Ware & Enameling Co., machsts. & fndrs., Marietta, Pa.
Marietta Mfg. Co., glass, Indianapolis, Ind.
Marietta Paint & Color Co., Marietta, Ohio.
Marietta Stone Co., Marietta, Ohio.
Marietta Torpedo Co., Marietta, Ohio.
Marine, Arlando, stone producers, wkrs. & dlrs., 5 E. 42d, New York.
Marine Compass Co., nautical instruments, Bryantville, Mass.
Marine Electrical Co., Lorain, Ohio.
Marine Engine & Boiler Co., Philpot & Point, Baltimore, Md.
Marine Equipt. Co., ship chandlers, Norfolk, Va.
Marine Hardware Co., Peabody, Mass. & San Pedro, Cal.
Marine Hdwe. Equipt. Co., marine & general drop-forged hardware mfrs., Portland, Me.
*See adv index at end of book*
Marine Iron & Shipbldg. Wks., Duluth, Minn.
Marine Iron Wks., machy., 2036 Dominick, Chicago, Ill.
Marine Journal Co., 17 State, New York.
Marine Mfg. & Supply Co., machsts. & fndrs., 35 Water, Pittsburgh, Pa.
Marine Mfg. & Supply Co., mill & facty. supplies—machsts. & fndrs., 158 South, New York.
Marine Metal & Supply Co., second-hand pipe, 167 South, New York.
Marine Supply Co., mill & factory supplies, Seattle, Wash.
Mariner, Frank W., contractor, Youngstown, Ohio.
Mariner & Hoskins, chemists, 111 W. Monroe, Chicago, Ill.
Marinette Boiler Works, tanks, etc., Marinette, Wis.
Marinette Flour Mill Co., Marinette, Wis.
Marinette-Green Bay Mfg. Co., excelsior, Marinette, Wis.
Marinette Iron Works, machsts. & fndrs., Marinette, Wis.
Marinette Knitting Mills, sweaters, cardigans, etc., Marinette, Wis.
Marinette & Menominee Box Co., Marinette, Wis.
Marinette & Menominee Paper Co., Marinette, Wis.
Maring, H., Const. Co., South Norwalk, Conn.
Maring, Herman, architect, South Norwalk, Conn.
Marion Brick Wks., Montezuma, Ind.
Marion Cotton Oil Co., meal, Marion, S. C.
Marion County Coal Co., Centralia, Mo.
Marion County Construction Co., 1600 S. West, Indianapolis, Ind.
Marion County Lbr. Corp., Marion, S. C.
Marion Extract Co., tanning, Marion, Va.
Marion Flint Glass Co., bottles, Marion, Ind.
Marion Fdry. & Machine Works, Marion, Va.
Marion Grey Iron Fdry. Co., Marion, Ind.
Marion Guano Co., fertilizer mfrs., Marion, S. C.
Marion Handle & Mfg. Co., farm tool handles, Marion, Ind.
Marion Hardware Co., Marion, Ind. & Ocala, Fla.
Marion Insulated Wire & Rubber Mfrg. Co., tape (ins.), Marion, Ind.
Marion Iron Works, Marion, S. C.
Marion Lbr. Co., Marion, Ind.
Marion Mach. Fdry. & Supply Co., Marion, Ind.
Marion Malleable Iron Wks., 2300 W. 9th, Marion, Ind.
Marion Mattress Co., Marion, Ind.
Marion Milling Co., flour, Marion, Ky.
Marion Paper Box Co., Marion, Ind.
Marion Paper Co., jute board, box board mfrs., Marion, Ind.
Marion Steam Shovel Co., P. O. Box 505, Marion, Ohio.
Marion Stove Co., Marion, Ind.
Marion Tire & Rubber Co., Marion, Ohio.
Marionville Canning Co., Marionville, Mo.
Maris Bros., cranes & hoists, 56th & Gray's av, Phila., Pa.
Maritime Dredging Co., 50 E. 42d, New York.
Maritime Engng. Corp., concrete boats, 50 E. 42nd, New York
Maritz & Henderson, architects, Chemical bldg, St. Louis, Mo.
Mark, F. W., Constr. Co., Leader-News Bldg., Cleveland, Ohio.
Mark, Frank, Constr. Co., 2816 N. 21st, Phila., Pa.
Mark & Lally Co., plumbers' supplies, 2d & Tehama, San Francisco, Cal.
Mark Mfg. Co., machsts. & fndrs., Evanston, Ill.
Mark & Mohl, architect'l & ornament'l iron, 3d av & 6th, Brooklyn, N. Y.
Mark & Sheftall, architects, Clark Bldg., Jacksonville, Fla.
Mar-Kay Mfg. Co., paints, 2715 S. 2d, St. Louis, Mo.
Markels, Leonard, button machy. & dies, 165 William, New York.
Markert Mfg. Co., sashes, doors, packg. boxes, etc., Syracuse, N. Y.
Markesan Canning Co., Markesan, Wis.
Market Forge Co., fndrs., Chelsea, Mass.
Market Forge Co., racks, Garvey, Everett, Mass.
Markey, Wm. T., lbr. mfrs., Saginaw, Mich.
Markham, A. G., Co., soap, Springfield, Mass.
Markham Air Rifle Co., Plymouth, Mich.
Markham, F. E., machst. & fndrs., Frankfort, Mich.
Markham, F. J., canned goods, Munford, Va.
Markham, J. W., common brick, Traverse City, Mich.
Markham, L. R., canned goods, Lithia, Va.

Markham Shingle Co., lbr., Markham, Wash.
Markland Canning Co., Markland, Ind.
Markley, G. B., Co., anthracite coal mine, Jedda, Pa.
Markle, R. B., contractor, Hearst bldg., San Francisco, Cal.
Markle Stone & Lime Co., Markle, Ind.
Markley, A. G., sash, door & blind, Georgetown, Ohio.
Markley, C., contractor, Roanoke, Va.
Markley, Geo. J., brick, Mineral City, Ohio.
Markley, R. R., architect, Patriot Bldg., Harrisburg, Pa.
Markley, Wm. D., contractor, Harrisburg, Pa.
Marko, Paul M., & Co., storage batteries, 1191 Bedford av, Brooklyn, N. Y.
Markowitz, Philip, architect, 405 Lexington av, New York.
Marks Bros. Co., bldg. contrs., West Allis, Wis.
Marks Bros. Saddlery Co., Omaha, Neb.
Marks, H., masons' & bldrs.' matls., Sheffield, Ala.
Marks, H., Sons, scrap iron, 1045 W. 14th, Chicago, Ill.
Marks Mfg. Co., toys, 101 Albany, Boston, Mass.
Marks & Boyd, architects, Park bldg, Pittsburgh, Pa.
Marks & Meyer Importation Co., confetti, 31 E. 27th, New York.
Markt & Hammacher Co., whol. hdwe., 194 West, New York.
Markt & Shaefer Co., mill & factory supplies, 193 West, New York.
Markwith, Roland I., architect, 111 5th av, New York.
Marlatt, S., insulators, Richmond, Ind.
Marlboro Cotton Mills, tire fabrics, McColl, S. C.
Marlboro Fertz. Co., Bennettsville, S. C.
Marlen Hdwe. Co., mill & factory supplies, 110 Fulton, New York.
Marley Mill Corp. See Marley Paper Mfg. Co. (successor).
Marley Paper Mfg. Co., Childs, Md.
Marlin Rockwell Corp., insulated wire & radiators, New Haven, Conn.
Marlow & Eldridge, contractors, Brockton, Mass.
Marmac Constr. Co., 316 W. 30th, New York.
Marmet-Halm Coal & Coke Co., Union Tr. Bldg., Cincinnati, O.
Marnell, Nicholas, contractors, Syracuse, N. Y.
Marnhout, D., Basket Co., willow ware mfrs., 861 Progress, Pittsbugh, Pa.
Marnhout, Geo., willow ware mfrs., 321 So. 2nd, Phila., Pa.
Marnock, A., & Co., granite, S. Quincy, Quincy, Mass.
Maroa Mfg. Co., agricultural implements, Maroa, Ill.
Marola, Ernest, contr., Torrington, Conn.
Maroney & Hearn, machsts., Colusa, Cal.
Marquarat Bros., lbr., Hot Springs, Mont.
Marquard Sash & Door Mfg. Co., 307 Canal rd, Cleveland, Ohio.
Marquardt Bros., masons' & bldrs.' matls., New London, Conn.
Marquardt, H. & Co., German-Portland cement imprts. of crude rubber, 35 S. William, New York.
Marquardt & Ormond, machsts., Rochester, Minn.
Marquette Box & Lumber Co., Marquette, Mich.
Marquette Cement Mfg. Co., 140 S. Dearborn, Chicago & La Salle, Ill.
Marquette Construction Co., 133 W. Washington, Chicago, Ill.
Marquette Piano Co., 2439 Wallace, Chicago, Ill.
Marquette Univ. Coll. Applied Science & Engng., Milwaukee, Wis.
Marquiz, M., shades, 37 S. Wabash, Chicago, Ill.
Marr Bros. & Stewart Co., contractors, 319 Washington, Boston, Mass.
Marr Canning Co., Gravette, Ark.
Marr Colton Organ Co., Warsaw, N. Y.
Marr, Daniel, & Son Co., contractors, 334 Dorchester av, S. B., Boston, Mass.
Marr & Gordon, granite, Barre, Vt.
Marr & Holman, architects, Stahlman Bldg., Nashville, Tenn.
Marra, Owen, stone prod., 293 Bridge, Springfield, Mass.
Marresford, Wm. F., machsts. & fndrs., 56 Pearl, Br'klyn, N. Y.
Marrin, E. & J., Co., contractors, 520 E. 18th, New York.
Marrion & O'Leary, granite, Barre, Vt.
Marron Mfg. Co., knife switches & elec. light plants, Rock Island, Ill.
Marrs, Wm. S., cornices & skylights, Lexington, Mo.
Mars Mfg. Co., cigar & gas lighters, 102 5th av, New York.
Marsch, Louis, contr., Morrissonville, Ill.
Marseilles Harrow Mfg. Co., Marseilles, Ill.
Marseilles Works of Deere & Co., agricultural implements, East Moline, Ill.
Marsellus, John, Casket Co., Syracuse, N. Y.
Marsh, B. F., Co., masons' & bldrs.' matls., contrs., 22 Garden, Worcester, Mass.
Marsh & Bingham Co., lumber mfrs., 80 E. Jackson Blvd., Chicago, Ill.
Marsh Bros., Co., contractors, R. F. D. 1, Bridgeport, Conn.
Marsh Bros. & Gardenier, contractors, Monadnock Bldg., San Francisco, Cal.
Marsh, Chas. W., Co., packing (leather), Muskegon, Mich.
Marsh, E. B., Bro. & Co., machsts. & fndrs., Stroudsburg, Pa.
Marsh, Geo. B., Inc., whol. hdwe., Nogales, Ariz.
Marsh, Geo. E., Co., soap, 393 Chestnut, Lynn, Mass.
Marsh, H. C. & Co., machsts., Rockford, Ill.
Marsh, Jas. P., & Co., gauges, air valves, etc., 118 S. Clinton, Chicago, Ill.
Marsh-Lee Co., fertilizer, Marshville, N. C.
Marsh Mfg. Co., oil can faucets, spouts, etc., 56 Pine, New York.
Marsh-Murdoch Co., masons' & bldrs.' matls., cor Stanton av & Melish, Cincinnati, Ohio.
Marsh, Norman F., architect, B'way Central Bldg., Los Angeles, Cal.



Marsh & Peter, architects, 520 13th, N. W., Washington, D. C.
Marsh Refrigerator Service Co., Port Washington road, Milwaukee, Wis.
Marsh, Reginald E., architect, 101 Park av, New York.
Marsh & Truman Lumber Co., 332 S. Michigan av, Chicago, I
Marsh Valve Co., Erie, Pa.
Marsh, Wm. D., architect, 31 Clinton, Newark, N. J.
Marsh, Wm. J., architect, 520 13th, N. W., Washington, D.
Marshak & Hickey, architects, 77 Washington, Providence, R. I.
Marshall, A. H., Co., whol. hdwe., Plattsburgh, N. Y.
Marshall, A. L., contractor, Roanoke, Va.
Marshall, Barrick Co., cornices, Lyons, N. Y.
Marshall & Beglin, masons' & bldrs.' matls., Midland, Pa.
Marshall, Benj. H., archit., 700 N. Michigan, Chicago, Ill.
Martin Bros., machsts., Akron, Ohio.
Marshall Bros., masons' & bldrs.' matls., New Castle, Pa.
Marshall Bros., paper & pulp mill, Yorklyn, Del.
Martin Bros., ties, poles & posts, Manhattan Bldg., Dulut Minn.
Marshall Bros., Co., freight elev., S. 21st, Pittsburgh, Pa.
Marshall Bros., & Co., tin plate, etc., Front & Girard av, Phila Pa.
Marshall, C. A., brick, Cresco, Ia.
Marshall, C. P., cleanout ferrules, Rochester, N. Y.
Marshall, C. W. Const. Co., contractors, Reserve Bank Bldg Kansas City, Mo.
Marshall Canning Co., Marshalltown, Ia.
Marshall Car Wheel & Fdry. Co., Marshall, Tex.
Marshall Castings Co., Marshall, Mich.
Marshall, Chas. O., contr., Norwich, Conn.
Marshall, D. E., Contr. & Mfg. Co., 2011 E. 10th, Kansas Ci Mo.
Marshall, E. E., ferro manganese & ores, Bullitt bldg, Phil delphia, Pa.
Marshall, F. W., & Co., ferro manganese, coke & pig iron mfr Penn Bldg., Philadelphia, Pa.
Marshall Fertilizer Factory, Marshall, Tex.
Marshall Foundry Co., gray iron castings, 28th & Railroa Pittsburgh, Pa.
Marshall & Fox, architects, 721 N. Michigan av, Chicago, Ill.
Marshall, Frank H., contr., South Portland, Me.
Marshall Furnace Co., Marshall, Mich.
Marshall, Geo. B., machst., Charlottesville, Va.
Marshall, Geo. E., architect, 55 W. 39th, New York.
Marshall, Godfrey, harness, etc., Indiana, Pa.
Marshall & Huschart Machy. Co., 17 S. Jefferson, Chicago, I
Marshall, J. A., contr., Berkeley, Cal.
Marshall, J. L., & J. O., canned goods, Overbrook, Del.
Marshall, Jas. G., flour mills, Gladys, Va.
Marshall, James Rush, archit., Wilkins bldg., Washington, D.
Marshall, Jesse, stone producer, Carrollton, Ohio.
Marshall, John & Co., sashes, doors & blinds, Apalachicola, Fl
Marshall, L. D., canned goods, Thaxton, Va.
Marshall Mfg. Co., lbr., etc., Rome, Ga.
Marshall Mfg. Co., thermometers, Coshocton, Ohio.
Marshall Mill & Elevator Co., flour, Marshall, Tex.
Marshall Milling Co., flour, Marshall, Minn.
Marshall & Mitchell, paper & pulp mill, Wooddale, Del.
Marshall, Newell, Supp. Co., mill & facty. supp., Spear Mission, San Francisco, Cal.
Marshall Oil Co. of Iowa, Marshalltown, Ia.
Marshall Piano Co., 1510 N. Dayton av, Chicago, Ill.
Marshall, Son & Co., machsts. & fndrs., 226 Purchase, Bosto Mass.
Marshall & Spencer Co., masons' & bldrs.' matls., Jacksonvil Fla.
Marshall & Stearns, wall beds, San Francisco, Cal.
Marshall, T. J., lbr., Blue Ridge, Ind.
Marshall, Thos. F., elec. Contr., 6770 Hollywood, Los Angel Cal.
Marshall, Thos. H., contractor, 413 Locust, Phila., Pa.
Marshall Ventilated Mattress Co., 1454 S. Sangamon, Chica Ill.
Marshall Vibrator Co., massage vibrators, 141 W. 36th, N York.
Marshall, W. E., cornices, 628 Sheridan av., Detroit, Mich.
Marshall-Wells Co., whol. hdwe. & supplies, Duluth, Minn.
Marshall, Wm., tubular boilers, Dubuque, Ia.
Marshalltown Trowel Co., Marshalltown, Iowa.
Marshfield Canning Co., Marshfield, Mo.
Marshfield Mfg. Co., bee keepers' supplies, Marshfield, Wis.
Marsland, Jas., roll coverers, Lawrence, Mass.
Marstellar, S. A., architect, 215 Wood, Pittsburgh, Pa.
Marston Bros., Co., masons' & bldrs.' matls., Appleton, Wis.
Marston, I. G., & Co., washers, 226 Ruggles, Boston, Mass.
Marston, J. M. & Co., machsts. & fndrs., 226 Ruggles, B ton, Mass.
Marston & Van Pelt, architects, Pasadena, Cal.
Mart & Lawton, tile imp. & floor mosaics, 1123 B'way, New Yo
Martcross Co., bars, 202 N. Wabash av, Chicago, Ill.
Martel, Louis E., contractor, 102 Bridge, Manchester, N. H.
Martell Packing Co., The, metallic packings, Elyria, Ohio.
Martens Hdwe. Co., mill & facty. supps., Lancaster, Ohio.
Martens-Leary Co., carriages, Bloomington, Ill.
Martens, R., & Co., Inc., mill & facty supps., 6 Hanover, N York.
Martens & Sutherland, architect, Storm Lake, Ia.

rthens, Chester N., Marble Co., W. 53d & Wallace, Chicago, Ill.
rtin, A. C., architect, Higgins Bldg., Los Angeles, Cal.
rtin, A. E., Fdry. & Mach. Co., cast iron cylinders, grey iron castings & metallic packing mfrs., 705 Park, Milwaukee, Wis.
rtin, A. O., architect, Doylestown, Pa.
rtin, A. W., sash, door & blind mfr., Hartland, Vt.
rtin, Adam, stone, Phillipsburg, N. J.
rtin, Adolph (Est. of), wooden shells, Passaic, N. J.
rtin & Anson Co., machsts., 2226 Indiana av, Chicago, Ill.
rtin, Arch T., flour mills, Moundsville, W. Va.
rtin Automatic Fishing Reel Co., Mohawk, N. Y.
rtin Auto Specialty Co., collapsible buckets & pails, Lancaster, Ohio.
rtin, B. M., machts. & fndr., 473 B'way, New York.
rtin, B. S. D., architect, 86 Weybosset, Providence, R. I.
rtin Band Instrument Co., Elkhart, Ind.
rtin-Barriss Co., lumber,, 2048 W. 3d, Cleveland, Ohio.
·tin Brick Co., Empire Bldg., Pittsburgh, Pa.
rtin Bros., brick, Dunkirk, Ind.
·tin Bros., Co., barrels, Toledo, Ohio.
·tin, C. F., architect, Hutchinson, Kans.
·tin, C. & Son, masons' & bldrs.' matls., Mechanicsburg, Pa.
·tin, C. W., Co., masons' & bldrs.' matls., Annapolis, Md.
·tin Carriage Works, wagon & motor Truck bldrs., York, Pa.
·tin, Clarence A., archit., Cornell University, Ithaca, N. Y.
·tin, Clarence L., architect, Claremont, N. H.
·tin & Co., stencils, 119 S. Clark, Chicago, Ill.
·tin Co., machsts. & fndrs., Sac City, Ia.
·tin Construction Co., 74 W. Washington, Chicago, Ill.
·tin Copeland Co., mfgrs. optical gds., 101 Sabin, Providence, R. I.
·tin Crate Co., Martin, Fla.
·tin, D. B., Co., fertilizer & glue mfrs., 30th & Market, Phila., Pa.
·tin, D. B., Co., meat packers. Brunswick nr Wilkens, Baltimore, Md., & Wilmington, Del.
tin-Dennis Co., tanner's extract, bate, grease & wax, 859 Summer av, Newark, N. J.
tin, E. A., architect, 155 N. Clark, Chicago, Ill.
tin, E. E., contractor, Steubenville, Ohio.
tin, E. S., & Son Co., cornices & skylights, Eastport, Me.
·tin, Edgar, architect, 104 S. Michigan av, Chicago, Ill.
tin, Eugene K., architect, 2192 Shattuck av, Berkeley, Cal.
tin Fndry. Co., Port Washington, Wis.
tin & Freethy, architects, 141 Milk, Boston, Mass.
·tin, Glenn L., Co., aeroplane mfgrs., 16800 St. Clair, Cleveland, Ohio.
tin Grate Co., Fisher Bldg., Chicago, Ill.
tin, H., steam htg. contrs., 1411 E. 14th, Kansas City, Mo.
tin, H. H. Co., landscape architects, 15 E. 40th, New York.
tin, H. H. Lumber Co., Centralia, Wash.
tin, H. H., Mfg. Co., fndrs., Louisville, Ky.
tin, H. P., & Sons, portable benches & conduit benders, & vise stands & pipe benders, Owensboro, Ky.
tin & Hall, architects, Union Trust Bldg., Providence, R. I.
tin-Halstead Co., artificial limbs, 46 Woodward av, Detroit, Mich.
tin Hardware Co., Mansfield, Ohio.
tin, Hoyt & Milne, Inc., chemical imp., 465 California, San Francisco, Cal.
tin, Hugh, archit., Title Guarantee Bldg., Birmingham, Ala.
tin Hub Wks., Tidioute, Pa.
tin Iron Works, 1222 E. 28th, Los Angeles, Cal.
tin, J. B., architect, East Liverpool, Ohio.
tin, J. B., Co., velvets, Norwich, Conn.
tin, J. C., & Co., mill & facty. supps., San Francisco, Cal.
tin, J. Diller, carriages, Ephrata, Pa.
in. J. S., Co., masons' & bldrs.' matls., Marblehead, Mass.
in, Jas G., machsts. & fndrs., Middletown, N. Y.
in, John, packing box mfrs., 1432 N. 6th, Philadelphia, Pa.
in, John, Lbr. Co., 217 Como av, St. Paul, Minn.
in, Jos., contractor, Trenton, N. J.
in, Jos., & Sons, starch mfrs., Van Buren, Me.
in & Kirkpatriek, architects, 130 S. 15th, Philadelphia, Pa.
in, L. Co., carbon & lamp black mfrs., 81 Fulton, New York.
in, Leason, woodenware mfrs., Richmond, N. H.
in, Luther E., Co., advtg. signs, 411 Equitable Bldg., Baltimore, Md.
in, M. R., agricultural implements, St. Louis, Park, Minn.
in Mach. Co., marking mach. mfrs., Turner, Mass.
in, Malcolm S., architect, Hannibal, Mo.
in Mfg. Co. . See Auto Specialty Co. (successors).
in & Martin, shoe blacking, 3005 Carroll, Chicago, Ill.
in Metal Mfg. Co,, Wichita, Kans.
in, O. J., flour, Siloam, N. C.
in, Otto, & Co., printing inks, 130 N. 4th, Philadelphia, Pa.
in, P. J., elec. illuminated signs, 229 W. 42nd, New York.
in Pulp & Paper Co., Norwood, N. Y.
in, R. H., Co., asbestos miners, 220 B'way, New York.
in Rocking Fifth Wheel Co., 21 Besse pl, Springfield, Mass.
in, S. B., hdwe. mfrs.—door hangers, Dalton, Ohio.
in, Sam'l, Co., beetle, post, etc., rings, 81 Adams, Brooklyn, N. Y.
in-Senour Co., paints & varnishes, 2520 Quarry, Chicago, Ill.

Martin Steel Products Co., corn cribs, grain bins, portable garages, etc., Mansfield, Ohio.
Martin Stove & Range Co., Florence, Ala.
Martin & Strickland, masons' & bldrs.' matls., Plain City, Ohio.
Martin, T. J., Co., contrs., Terre Haute, Ind.
Martin-Taylor & Co., lbr. mfrs., Mobile, Ala.
Martin, Thom., tent contr., 304 Canal, New York.
Martin, Thos. F., plbrs. supps., Boston, Mass.
Martin Tram Co., lumber, Lake Charles, La.
Martin & Van Owen, common brick, Naperville, Ill.
Martin Vibroplex & Mecograph Co., 253 B'way, New York.
Martin, W. B., stone producers, Rockville, Conn.
Martin, W. H., mattresses, Sioux Falls, S. D.
Martin, W. T., Hardware Co., Charlottesville, Va.
Martin & Ward, architects, Greenville, S. C.
Martin, Wm., contractor, 110 Jessie. San Francisco. Cal.
Martin, Wm. A., machst., Hopewell Junction, N. Y.
Martin Wm. A. & Co. See North Carolina Naval Stores (successors).
Martin, Wm. E., Co., contractors, Troy, N. Y.
Martin, Wm. F., hide & lthr. finishing machs., Salem, Mass.
Martin, William, & Son, contrs., 164 State, Bridgeport, Conn.
Martin & Bechtold, Inc., lithographing stones, 32 Greene, New York.
Martina Mosaics Co., 132 E. Pearl, Cincinnati, Ohio.
Marting Iron & Steel Co., Ironton, Ohio.
Martini, E. A., architect, 155 N. Clark, Chicago, Ill.
Martin's, E. J., Sons, fish line mfrs., Rockville, Conn.
Martinson Estate Co., granite, Barre, Vt.
Martinsville Brick Co., Martinsville, Ind.
Martinsville Construction Co., Martinsville, Ind.
Martinsville Cotton Mills Co., cotton sheetings, Martinsville, Va.
Martsolf, Geo. W., masons' & bldrs.' matls., New Brighton, Pa.
Martucci, R., contractor, 1603 E. Main, Bridgeport, Conn.
Marty, F., & Co , wax tapers, Syracuse, N. Y.
Marty Fdry. Co., Meridian, Miss.
Martz Bros., brick, Shelbyville, Ill.
Marvel Carburetor Co., Flint, Mich.
Marvel Co., spray syringes, 25 W. 45th, New York.
Marvel Machy. Co., re-boring machines, Minneapolis, Minn.
Marvel, T. S., Shipbuilding Co., machsts. & fndrs., Newburgh, N. Y.
Marvell, E. I., architect, 57 N. Main, Fall River, Mass.
Marvil Package Co., fruit & veg. baskets, Laurel, Del.
Marvin & Casler Co., machsts., Canastota, N. Y.
Marvin, D. E., machinist, Findlay, Ohio.
Marvin & Davis, architects, 303 5th av, New York.
Marvin Elec. Drill Co., Binghamton, N. Y.
Marvin, Henry, architect, Stamford, Conn.
Marvin Mfg. Co. (Ltd.), lubricating oils & greases, Franklin, Pa.
Marvin, W. B., Mfg. Co., telephones, Urbana, Ohio.
Marvindale Chemical Co., acetate of lime, wood alcohol, etc., Bradford, Pa.
Marwedel, C. W., machsts.' tools & supplies, 76 1st, San Francisco, Cal.
Marx, Alphonse, & Sons, scrap iron, 1645 Tchoupitoulas, New Orleans, La.
Marx Hide & Tallow Co., Louisville, Ky.
Marx, Jno., paint mfr., Hoboken, N. J.
Marx, M. F., Mfg. Co., dog biscuits, Louisville, Ky.
Marx, Max Color & Chemical Co., Irvington, N. J.
Marx, S. C., Co., mill & facty. supps., 76 Day, New York.
Marx, Samuel A., archit., 175 W. Jackson blvd, Chicago, Ill.
Marx, Wm. F., architect, Emporia, Kans.
Marx-Winkler Co., machsts., 473 Washington, Newark, N. J.
Marx Zero Sign Wks., 126 N. Peoria, Ill.
Mary Ann Lbr. Co., Athens, La.
Mary, Leila, Cotton Mill, Greensboro, Ga.
Maryland Belting & Packing Co., 1626 Bank, Baltimore, Md.
Maryland Bolt Co., nut, bolt & rivet mfrs., Continental Bldg., Baltimore, Md.
Maryland Brass & Metal Wks., fndrs., Calvert & Federal, Baltimore, Md.
Maryland Brick & Supply Co., masons' & bldrs.' matls., Frederick, Md.
Maryland Car Wheel Wks., Curtis Bay, Baltimore, Md.
Maryland Casualty Co., insurance, Balto. & Guilford, Baltimore, Md.
Maryland Coal Co. of W. Va., 1 Broadway, New York.
Maryland Coal Co. of Penna., Comm. Tr. bldg., Philadelphia, Pa.
Maryland Coppersmith Co., 3831 Eastern av, Baltimore, Md.
Maryland Culvert & Metal Co., Munsey bldg., Baltimore, Md.
Maryland Dredging & Contracting Co., Fidelity Bldg., Balto., Md.
Maryland Equipt. & Supply Co., machsts., & fndrs., Equitable bldg., Baltimore, Md.
Maryland Glass Corp., Mt. Winans, Md.
Maryland Granite Co., Guilford, Md.
Maryland Lime & Cement Co., masons' & bldrs.' supplies, 443 S. Central av, Baltimore, Md.
Maryland Mfg. Co., steam jacketed, 1915 Ashland av, Baltimore, Md.
Maryland Metal Cross Tile Co., 901 Munsey Bldg., Baltimore, Md.
Maryland Meter Works, meter mfrs., North & Saratoga, Baltimore, Md.
Maryland Mould & Fndry. Co., Cumberland, Md.

Maryland Pressed Steel Co., elec. welding & sheet metal stamping, Hagerstown, Md.
Maryland Wood Products Co., acetate of lime, wood alchol, etc., Bradford, Pa.
Marysville Cabinet Co., Marysville, Ohio.
Marysville Mfg. Co., lbr., Marysville, Wash.
Masbach Hardware Co., 84 Warren, New York.
Mascetti & Holley, contrs., Torrington, Conn.
Mascheroni, Jos., furniture & wood carving, 2172 Clybourne av, Chicago, Ill.
Maschmeier-Schaefering Carriage & Wagon Co., 2000 N. 15th, St. Louis, Mo.
Mascot Stove Mfg. Co., Chattanooga, Tenn.
Masem, Nicholas, & Co., contractors, 369 Troutman, B'klyn, N. Y.
Mashburn, W. E., Co., contractors, Atlanta, Ga.
Mashek Chemical & Iron Co., Wells, Mich.
Mashek Engin'g Co., ore contr., plants & machy., 90 West, New York.
Mashell Paint Co., Tacoma, Wash.
Maskell, J. H., Machine & Mfg. Co., 1419 E. 40th, Cleveland, O.
Masi Bros., contractors, 1246 Grotto, Pittsburgh, Pa.
Masinda, Wm., pearl buttons, West Willington, Conn.
Mason, A. G., Mfg. Co., machy., St. Clair & E. 79th, Cleve., O.
Mason, A., & Sons, brush blocks & lbr., Peru, N. Y.
Mason Box Co., Attleboro Falls, Mass.
Mason Brush Works, foundry & mill brushes, Worcester, Mass.
Mason Canning Co., 3d & Walnut, Cincinnati, Ohio.
Mason City Brick & Tile Co., Mason City, Ia.
Mason City Clay Works, brick, Mason City, Ia.
Mason City Sewer Pipe Co., Mason City, Ia.
Mason City Supply Co., plumbers' supplies—jobbers, Mason City, Ia.
Mason County Fruit Growers' Assn., canned, Shelton, Wash.
Mason, D. E., butter tubs, Fulton, N. Y.
Mason, Davis & Co., machsts. & fndrs., 7740 S. Chicago av, Chicago, Ill.
Mason Distilling Co., Sausalito, Cal.
Mason-Donaldson Lumber Co., flooring—maple, Rhinelander, Wis.
Mason, Eugene W., Jr., architect, 52 Vanderbilt av, New York.
Mason, F. C., & Co., agricultural implements, St. Johns, Mich.
Mason Fence Co., Leesburg, Ohio.
Mason, Fenwick & Lawrence, patent attorneys, 600 F, N. W., Washington, D. C. *See adv index at end of book.*
Mason, Geo. C., architect, Ardmore, Pa.
Mason, Geo. D. & Co., architects, 80 Griswold, Detroit, Mich.
Mason, H. R., brick & tile, Monroeville, Ohio.
Mason & Hamlin Co., organs, 492 Boylston, Boston, Mass.
Mason & Hanger Co., contractors, 52 Vanderbilt av, New York.
Mason, Harold E., architect, Keene, N. H.
Mason, Hilton, & Co., contractors, 120 Liberty, New York.
Mason, J., contractor, Newport, R. I.
Mason, J. S., & Sons, cotton webbing, Westboro, Mass.
Mason, Jas. S., Co., shoe blacking, 136 N. Front, Phila., Pa.
Mason Jar Glass Cap Co., fruit jars, Anderson, Ind.
Mason, Joseph, architect, Jamestown, N. Y.
Mason Machine Wks., textile machy., Taunton, Mass.
Mason Mfg. Co., churns, Canton, Ohio.
Mason Mfg. Co., tin cans, 156 S. Water, Providence, R. I.
Mason, Marcus, & Co., Inc., coffee machy., 201 Devonshire, Boston, Mass.
Mason & Moore, machsts. & fndrs., 30 E. 4th, New York.
Mason & O'Connell, masons' & bldrs.' matls., Fort Dodge, Ia.
Mason & Parker Mfg. Co., toys, games & nov., Winchendon, Mass.
Mason-Perkins Paper Co., Bristol, N. H.
Mason, Randolph B., contractor, 308 W. Madison, Balto., Md.
Mason Regulator Co., reducing valves & pressure regulators; also regulating devices for use on steam, water, air & gas, mfrs., 1192 Adams, Boston, Mass.
*See adv. index at end of book.*
Mason, Roy S., architect, Provident bldg, Tacoma, Wash.
Mason Silk Mills, Paterson, N. J.
Mason & Snowdon Lumber Co., Scranton, Pa.
Mason Tire & Rubber Co., Kent, Ohio.
Mason, Volney W., & Co., freight elevators, hand hoist & friction pulleys, 2 Lafayette, Providence, R. I.
Mason, W. L., & Co., steel pens, Keene, N. H.
Mason, W. N., lbr., South Tamworth, N. H.
Mason, Wm. E., steam & hot water htg. contr., 416 E. 161st, New York.
Mason, Wm. R., stone prodrs., 1601 W. Marshall, Richmond, Va
Masonry Waterproofing Co., 307 Herkimer, Brooklyn, N. Y.
Mason's Supply Co., Easton, Pa.
Masontown Glass Co., Masontown, Pa.
Masow & Morrison, contrs., Monadnock Bldg., San Fran., Cal.
Massa, Geo., dumbwaiter mfrs., 245 S. 6th, Philadelphia, Pa.
Mass. Agricultural Coll., Amherst, Mass.
Mass. Blower Co., fans, air washers, heating apparatus, & mechanical draft, Watertown, Mass.
Mass. Commission for the Blind, brooms, Cambridge, Mass.
Mass. Cotton Mills, Exchange Bldg., Boston, Mass.
Mass. Dress Suit Case Co., 294 Harrison av, Boston, Mass.
Massachusetts Elec. Co., switches, Worcester, Mass.
Mass. Elec. Mfg. Co., magnet wire, Lynn, Mass.
Mass. Institute of Technology, engng. school & coll., 491 Boylston, Cambridge, Mass.
Mass. Lime & Cement Co., masons' & bldrs.' matls., Cambridge, Mass.
Mass. Mach. Co., Boston, Mass.
Mass. Machine Shop, Inc., steel, brass & copper washers, also sheet metal stampings, 817 Albany, Boston, Mass.
*See adv index at end of book.*
Mass. Mohair Plush Co., 200 Devonshire, Boston, Mass.
Mass. Saw Wks. See Victor Saw Works (successor).
Massarine, Wm. G., architect, 15 E. 40th, New York.
Massasoit Mfg. Co., mops, Fall River, Mass.
Massee & Felton Lumber Co., Macon, Ga.
Masseth Packer & Mach. Co., machinists, Butler, Pa.
Massey, Geo. W., masons' & bldrs.' matls., Lambertville, N. J.
Massey Gin & Machine Works, Macon, Ga.
Massey, H. C., & Bro., flour, Alphaba, Miss.
Massey-Harris Harvester Co., Inc., Batavia, N. Y.
Massey Iron Co., Wichita, Kans.
Massey Mach. Co., Watertown, N. Y.
Massey Vise Co., 35 S. Desplaines, Chicago, Ill.
Massie & Morrison Lumber Co., Lynchburg, Va.
Massillon Aluminum Co., Massillon, Ohio.
Massillon Brick Co., Massillon, Ohio.
Massillon Bridge & Structural Co., Massillon, Ohio.
Massillon-Cleveland-Akron Sign Co., advtg. novelties, Massillon Ohio.
Massillon Foundry & Machine Co., drop & steam hammers, etc., Massillon, Ohio.
Massillon Paper Co., Massillon, Ohio.
Massillon Rolling Mill Co., Massillon, Ohio.
Massillon Rubber Co., Massillon, Ohio.
Massillon Sand & Stone Co., Massillon, Ohio.
Massillon Steel Casting Co., Massillon, Ohio.
Massillon Stone & Fire Brick Co., Massillon, Ohio.
Massillon Wire Basket Co., Massillon, Ohio.
Massino, J., Mfg. Co., elec. & gas light fixtures, 1371 Holton, Milwaukee, Wis.
Mast, Emanuel, contr., Zanesville, Ohio.
Mast, Foos & Co., pumps, windmills, agricultural implements, etc., Springfield, Ohio.
Mast, J. W. W., whol. hdwe., Little Rock, Ark.
Mast Lightning Rod Co., West Milton, Ohio.
Masten, C. F., architect, 68 Post, San Francisco, Cal.
Masten, G. H., Co., Inc., life saving appliances, 222 E. 46th New York.
Master Builders Co., concrete hardness, Cleveland, Ohio.
Master Carburetor Corp., machsts. & brass composition fndrs., Detroit, Mich.
Master Cutter Mach. Co., meat choppers & slivers, North av, Oakley, Cincinnati, Ohio.
Master Mach. Wks., dlrs., 110 W. 40th, New York.
Master Plumbers' Specialty Co., 21 E. Fort, Detroit, Mich.
Master Rule Mfg. Co., Inc., folding & slide rules, 841 E. 136th New York.
Master Sheet Metal Workers' Journal, trade publications, 261 S. 4th, Phila., Pa.
Master Tire & Rubber Co., Dayton, Ohio.
Master Tractor Co., Minneapolis, Minn.
Master Trucks, Inc., auto bldrs., 3132 S. Wabash av, Chicago, Ill.
Masters, H. B., Co., steam fitters, Ocala, Fla.
Masters, J. H., & Son, masons' & mldrs.' matls., Brookville, Ind.
Masters & Mullen Constr. Co., Electric Bldg., Cleveland, Ohio.
Masters Planters Co., 229 N. State, Chicago, Ill.
Masters, R. T., cornices & skylights, Charleston, S. C.
Masterson Bros., wooden shoe lasts, Brockton, Mass.
Masterton, Albert E., cornices, 9108 Baltimore av, Chicago, Ill.
Mastrengela, M. J., architect, 2 North sq, Boston, Mass.
Mastrocola, Nickolas, architect, Railroad av, Brooklyn, N. Y.
Mastropasqua, Louis, architect, 580 Washington, San Fran., Cal.
Masury, John W., & Son, paints, 50 Jay, Brooklyn, N. Y., & 501 20th, N. W., Seattle, Wash.
Masury-Young Co., sweeping compds., disinfectants, 196 Mill, Boston, Mass.
Matador Tire & Vulc. Co., spark plugs, 1400 Michigan av, Chicago, Ill.
Matawan Steel & Iron Co., Matawan, N. J.
Matawan Tile Co., Matawan, N. J.
Matchett, W. W., architect, Alliance, Ohio.
Matchless Brass Mfg. Co., burners, lamps, etc., 57 Jay, Brooklyn, N. Y.
Matchless Metal Polish Co., buff'g compositions, 151 Varick New York.
Mateer, F. W., & Co., machsts, 222 W. Ontario, Chicago, Ill.
Materne, John P., Mfg. Co., machsts. & fndrs., steam fitters supplies, 18th & Gratiot, St. Louis, Mo.
Matheis Hdwe. Co., cornices, Springfield, Ill.
Matheny, C. A., architect, Sharon, Pa.
Mather Bros., Co., masons' & bldrs.' matls., Richmond, Ind.
Mather Bldg. Co., contrs., So. Norwalk, Conn.
Mather, E., Co., plumbers' supplies, jobbers, Harrisburg, Pa.
Mather, S. W., coffins, caskets, etc., 3227 W. 25th, Cleveland, O.
Mather, S. W. Auto Co., Cleveland, O.
Mather, S. W., & Sons, contractors, Trenton, N. J.
Mather Spring Co., Toledo, O.
Mather, W. H. H., vises, kettles—machsts. & fndrs., 105th Quebec av, Cleveland, Ohio.
Mathers, D. C., brick, Chelan, Wash.
Mathers Stone Co. (of Chicago), Bloomington, Ind.
Mathesius, F., Jr., architect, 320 5th av, New York.
Matheson, J. D., & Sons, fertilizer, Hartwell, Ga.
Matheson Lead Co., 569 Vernon av, Long Island City, N. Y.

heson, W. A., & Co., mill & facty. supplies, Toccoa, Ga.
hews & Boucher, whol. hdwe., 26 Exchange, Rochester, N. Y.
hews Bros., sash, door & blind mfrs., Belfast, Me.
hews Co., boats, Port Clinton, Ohio.
hews Construction Co., Sacramento, Cal.
hews, Edgar A., architect, Call bldg, San Fransisco, Cal.
hews Elec. Supply Co., whol., Birmingham, Ala.
hews, F. E., architect, Rochester, Pa.
hews, F. I., machst., Oakland, Cal.
hews Gravity Carrier Co., machsts., Ellwood City, Pa.
hews, Hugh, machst., Kansas City, Mo.
hews, J. D., architect, 118 S. Rosemonte av, Dallas, Tex.
hews, Jas., masons' & bldrs.' matls.—contr., Evanston, Ill.
hews, John E., archit., 1889 Washington av, New York.
hews, L. J., machsts. & fndrs., Milford, Del.
hews, W. J., architect, 969 B'way, Oakland, Cal.
hewson, E., architect, Corv Bldg., Fresno, Cal.
thewson, Wm., contr., Pontiac, Ill.
hias-Hart Co., strain insulators, 516 Atlantic av, Boston, Mass.
hias, P. S. & Co, flour mills, Mathias, W. Va.
hiason, P. B., Mfg. Co., fertilizer & glue mfrs., 5310 N. 2d, St. Louis, Mo.
hieson Alkali Wks., 53 Canal, Providence, R. I., and Niagara Falls, N. Y.
hieson, Thos. P., corn brooms, 2042 Warren av, Chicago, Ill.
lis Bros. Co., fans & blowers, S. W. corner Archer av & Canal, Chicago, Ill.
lis, Hiram, contractor, Atlantic City, N. J.
lis, J., & Son, contractors, Atlantic City, N. J.
lis, J. Vaughan, architect, Atlantic City, N. J.
lis, John H., Co., machsts. & fndrs.—ship bldrs., Camden, N. J.
lis Yacht Building Co., motor boat bldrs., Camden, N. J.
hushek Piano Mfg. Co., New Haven, Conn.
hushek & Son Piano Co., 37 W. 37th, New York.
ly Co., cornices, 1918 Pa. av, N. W., Washington, D. C.
sse, C., & A., auto lamp lenses, 551 E. 116th, New York.
lack Coal & Iron Corp., 52 Vanderbilt av, New York.
on Mach. Co., geared pumps, grinders—reamer & cutter, Concord, N. H.
, F., & Co., carriage top dressing, 491 Washington, Newark, N. J.
& Nolting, architects, Rupert Bldg., Baltimore, Md.
atuck Mfg. Co., brass & wire goods mfrs., Waterbury, Conn.
awamkeag Lbr. Co., Island Falls, Me.
eson Paint Co., Cape Girardeau, Mo.
eson, Victor Andre, architect, Music Hall Bldg, La Salle, Ill.
heisz Bros., mill & facty. supps., 1222 Hull, Balto., Md.
hes Bros., masons' & bldrs.' matls.—contr., Adrian, Mich.
hes, C. P. & Son, contractors, Adrian, Mich.
hews Bros. Co., stone, Bloomington, Ind.
hews Bros. Mfg. Co., cabinet makers, 61 4th, Milwaukee, Wis.
hews, C. E. Lumber Co., Kansas City, Mo.
hews Co., motor boat bldrs., Port Clinton, Ohio.
hews Constr. Co., Princeton, N. J.
hews, Dudley, architect, Winter, Fla.
hews Engineering Co., electric lgt. plants, Sandusky, Ohio.
hews Gas Mach. Co., 180 N. Dearborn, Chicago, Ill.
hews, Geo. T., & Co., lubrg. oils, mill & facty. supplies, 20 S. Main, St. Louis, Mo.
hews, H. A., Mfg. Co. (The), sheet metal stamping, drawing, etc., Seymour, Conn.
hews, Harry L., contractor, Richmond, Va.
hews, James H., & Co., wood sign materials, pattern letters & figures, 3942 Forbes, Pittsburgh, Pa.
ews, John L., architect, 320 E. Kingsbridge rd, New York.
hews, L. F., architect, Lima, O.
hews, Lewis E., cornices, McKeesport, Pa.
hews Lbr. & Mfg. Co., Sikeston, Mo.
hews Mfg. Co., sheet metal stampings, 104 Gold, Worcester, Mass.
hews, Northrup Wks., maps, 177 Washington, Buffalo, N. Y.
hews Ship Bldg. Co., Hoquian, Wash.
iews, T. E., & Bro., machsts. & fndrs., Martinsburg, W. Va.
hews, Thos. & Son, lbr. mfrs., Clare, Baltimore, Md.
iews, W. Edw., architects, 721 Olive, St. Louis, Mo.
hews & Willard Mfg. Co., mchsts. & fdrs., Waterbury, Conn.
hews, W. N., & Bros., Inc., boltless clamps, 3727 Forest Park blvd, St. Louis, Mo.
hewson, Fred G., masons' & bldrs.' matls., Flint, Mich.
hias, Russell J., Co., who. lumber, 30 N. La Salle, Chicago, Ill.
iessen & Hegeler Zinc Co., spelter & zinc., La Salle, Ill.
iela, Michael, contr., New Canaan, Conn.
ngly, Jno. G., cornices, La Grange, Ill.
son, A. S., contractor, Youngstown, Ohio.
son, C., Machine Works, wood turning machy., Rockford, Ill.
son, Geo., lumber mfrs., Barkersville, N. Y.
ion & Anderson, lumber, Bellingham, Wash.
son Rubber Co., mechanical & plumbers' rubber goods, odi, N. J.
skowitz, Jos., & Sons, contractors, Hazleton, Pa.
inger, Paul, architect, Caxton Bldg., Cleveland, Ohio.
se, Otto A., stone, Richmond, Va.

Matzke, Morris, plbrs. supps., 424 Broome, New York.
Mau, Chas., architect, Macdonough Bldg., Oakland, Cal.
Mau-Sherwood Supply Co., mill & facty. supplies, 1616 W. 3d, Cleveland, O.
Mauch Chunk Iron Wks., machsts. & fndrs., Mauch Chunk, Pa.
Maud Canning Co., Maud, Ohio.
Maud S. Windmill & Pump Co., steel tanks, Lansing, Mich.
Mauer, Herman W., architect, Schofield Bldg., Cleveland, O.
Mauer-Knoblock-Simank, architects, Beaumont, Tex.
Maul, G. F., sash, door & blind mfrs., 780 E. 18th, Newark, N. J.
Maul, Walter David, archit., Whitney Bldg., Detroit, Mich.
Maulsby, A. R., coffins, caskets, etc., Everett, Wash.
Maumee Malleable Castings Co., Toledo, Ohio.
Maupin, Jas. M., architect, Commercial Bldg., Alton, Ill.
Mauran, John Lawrence, archit., Monadnock, N. H.
Mauran, Russell & Crowell, architects, Chemical Bldg., St. Louis, Mo., & Busch Bldg., Dallas, Texas.
Maurepas Milling Co., lumber, New Orleans, La.
Maurer, Ed., Co., crude rubber & varnish gums, 80 Maiden Lane, New York.
Maurer, Harry, architect, 529 Court, Reading, Pa.
Maurer, Henry C., architect, 302 W. Water, Milwaukee, Wis.
Maurer, Henry, & Son, brick, 420 E. 23d, New York.
Maurer, John, machst., 344 Center, Salem, Ore.
Maurer, Wm., & Co., machsts., South Bend, Ind.
Mauro, Vincent, contractor, 203 Federal, Providence, R. I.
Maury, Mason, architect, Board of Trade Bldg., Louisville, Ky.
Maus, C. W., contractor, St. Elmo, Ill.
Maus, Geo. H., fishing poles, Amsterdam, N. Y.
Mauser Mill Co., flour, Laury's Station, Pa.
Maute, J., & Sons, machinists, 23 Kane, Buffalo, N. Y.
Mauterstock, Albert, contractor, Kingston, N. Y.
Mavor, Wm., Co., contractors, 72 W. Adams, Chicago, Ill.
Mawhinney Last Co., wooden shoe lasts, Brockton, Mass.
Mawson, Jno., Haircloth Co., Venango E. of Kensington, Phila. Pa.
Max, Lewis, glass, 52 Green, Jersey City, N. J.
Max Mach. Co., boiler cleaners, valves, etc, Clinton, Mass
Max & Rawolle, shellac & glycerine, 100 William, New York.
Maxam, L. L., lumber mfr., Chestertown, N. Y.
Maxant Button & Supply Co., 118 S. Clinton, Chicago, Ill.
Maxeys Mfg. Co., fertilizer mfgrs., Maxeys, Ga.
Maxf Grinding Wheel Corp., Chester, Mass.
Maxfer Truck & Tractor Co., Harvery, Ill.
Maxi Co., carburetors, 114 W. 30th, New York.
Maxim Constr. Co., 36 W. 57th, New York.
Maxim Motor Co., Middleboro, Mass.
Maxim Munitions Corp., aerial torpedoes & aeroplane guns automobiles, Equitable Bldg., New York.
Maxim Silencer Co., Hartford, Conn.
Maximotor Makers, 1526 Jefferson av, E, Detroit, Mich.
Maxon & Co., contrs., 745 Lyon, Los Angeles, Cal.
Maxon-Miller Jack Co., automobile, Huntington, W. Va.
Maxon, Premix, Burner Co., Muncie, Ind.
Maxson, E. C., & Son, masons' & bldrs.' matls., Adams Center, N. Y.
Maxson, Ira, brick, Grove City, Ohio.
Maxson & Starin, masons' & bldrs.' matls., Cortland, N. Y.
Maxton Casket Co., Maxton, N. C.
Maxwell Filing System Co., register account, Cleveland, Ohio.
Maxwell Hdwe. Co., Oakland, Cal.
Maxwell, Jno., & Son, stone prod., 112 Winchester av, New Haven, Conn.
Maxwell Motor Co., 2648 Jefferson, Detroit, Mich.
Maxwell-Rolf Stone Co., Williamson Bldg., Cleveland, Ohio.
Maxwell Steel Vault Co., Oneida, N. Y.
Maxwell, Wymer W., architect, Urbana, Ill.
Maxwell's, John, animal cages, 259 Pearl, New York.
Maxwell's, Jno., Sons, stone producers, 30th below Spruce, Phila., Pa.
May Bros., common brick, Lafayette, Ind.
May Bros., lbr., Memphis, Tenn.
May Bros., machsts. & fndrs., Galesburg, Ill.
May, Chas. C., architect, 15 E. 40th, New York.
May, Chas. F., architect, 1017 Olive, St. Louis, Mo.
May Creek Shingle Co., Renton, Wash.
May, Edward C., architect, du Pont Bldg., Wilmington, Del.
May, F. P., Hdwe. Co., 460 C, N. W., Washington, D. C.
May, H. A., Foundry Co., 61st & Eastwick, Philadelphia, Pa.
May, H., & Co., canned goods, Egg Harbor City, N. J.
May Hardware Co., 124 Front, Portland, Ore.
May, Howard, architect, Calvert Bldg., Baltimore, Md.
May, Jacob, architect'l & ornament'l iron, 850 De Kalb av, Brooklyn, N. Y.
May, M. W., Co., soap, 104 E. 126th, New York.
May Supply Co., mill & facty., steam fitters', plumbers' supplies, Anderson, Ind.
May, Sylvester, light fixture mfrs., 98 Schermerhorn, Brooklyn, N. Y.
May, Wm., machst. & fndr., Bremen, Ind.
May, Wm. H., & Son, agricultural implements, Alexandria, Va.
May, Wm. M., Co., cornices & skylights, 537 W. 54th, New York.
May & Grimwood, Inc., contrs., Haas bldg, Los Angeles, Cal.
Mayaer, Albert A., contractor, 2128 Fillmore av, Buffalo, N. Y.
Mayall, Lewis A., & Son, machsts, 748 S. Samson, Phila., Pa.
Maybeck, Howard & White, architects, Lick Bldg., San Francisco, Cal.

Mayben & Freuchtel, contrs., Goldsden, Ala.
**Mayberger, Edw. F., cornices & skylights, 1 Hubert, Boston, Mass.**
**Mayberry, C. B., & Son, flour mills, Sparta, Tenn.**
Mayberry, Edw. L., architect, Pac. Elec. bldg, Los Angeles, Cal.
**Mayclim & Duncan, contractors, 621 S. Dearborn, Chicago, Ill.**
**Mayd-Well Brush Co., Troy, N. Y.**
**Maydole, David Hammer Co., Norwich, N. Y.**
**Mayer, Bez Stone Co., East Orange, N. J.**
Mayer Bros., machsts. & fndrs., Antigo, Wis.
Mayer Bros., Co. See Little Giant Co. (successor).
**Mayer Bros., Constr. Co., Erie, Pa.**
**Mayer, C. P., Brick Co., Bridgeville, Pa.**
Mayer Carburetor Co., 2673 Main, Buffalo, N. Y.
Mayer China Co., Beaver Falls, Pa.
**Mayer Coating Machs. Co., 187 N. Water, Rochester, N. Y.**
Mayer, Daniel, scrap iron & steel, Albany, Ga.
**Mayer, E. W., cut glassware, Port Jervis, N. Y.**
**Mayer & Eachus, machsts., West Chester, Pa.**
Mayer, F. D., Mfg. Co., art gum erasers & wall paper cleaners, 222 W. Superior, Chicago, Ill.
Mayer, Geo., & Co., 728 Sansom, Phila., Pa.
**Mayer, Geo. J., & Co., badges, trade checks, dies, stamps, etc., 36 S. Meridian, Indianapolis, Ind.**
Mayer & Kornbau, architectl. Iron Co., 143 Avenue D, New York.
Mayer, Leopold, camel hair pencils, 83 Warren, New York.
Mayer & Loewenstein, enamels, Varnishes, wood fillers, etc., 164 Water, New York.
Mayer, M. C. & H. E., mill & facty. supps., Erie, Pa.
Mayer, MacDonald, architect, 146 Montague, Brooklyn, N. Y.
Mayer & Manahan, architect, 711 Bergenline av, West New York, N. J.
Mayer, Max, bags & suit cases, 10th & Cherry, Phila., Pa.
Mayer, Michael, sash, door & blind mfrs., 181 Moore, Brooklyn, N. Y.
Mayer, O. F., & Bro., meat packers, Beethoven pl & Sedgwick, Chicago, Ill.
Mayer & Reichert, lamp adapters, 84 Evergreen av, Brooklyn, N. Y.
Mayer, Robt., & Co., printing inks, 461 8th av, New York.
Mayer, Sidney E., Co., contrs.' tools, machy, lbrs.' & mill supplies, San Diego, Cal.
Mayer Tank Mfg. Co., wood tanks, 212 Russell, Brooklyn, N. Y.
**Mayer, Wm., Co., sash, door & blind mfrs., 646 W. 3d, Cincinnati, Ohio.**
Mayer, Willy & Co., paper shades, 41 Union sq, New York.
Mayerhoff, C. E., lbr., Pachuta, Miss.
Mayes, W. S., lbr., Covington, Tenn.
Mayfield, M. M., sash, door & blind mfrs., Dallas, Tex.
Mayfield Planing Mills, packing box mfrs., Mayfield, Ky.
Mayflower Mills, flour, Fort Wayne, Ind.
Mayher, Wm., Lumber Co., Greeley, Colo.
Mayhew Co., elec. lgt. plants, 867 31st, Milwaukee, Wis.
Mayhew, H. H., Co., machsts. & fndrs., Shelburne Falls, Mass.
Mayhugh, J. D., Mfg. Co., lumber, Walton, Ky.
Maynard, A. W., contractor, Richmond, Va.
Maynard, C. A., pravement cleaners, Northampton, Mass.
Maynard, Everett W., contractor, 6408 Harvard av, Chicago, Ill.
Maynard Lumber Co., Maynard, Minn.
Maynard Mfg. Co., plbrs. spec., 127 Purchase, Boston, Mass.
**Maynard Steel Fndry. Co., 716 Reed, Milwaukee, Wis.**
**Maynicke & Franke, architects, 25 E. 26th, New York.**
Maynz & Co., varnish mfrs., 13 Water, New York.
Mayo, A. H., canned goods, Naskeag, Me.
Mayo Const. Co., 333 Union, Lynn, Mass.
Mayo, Ernest A., architect, 53 W. Jackson blvd, Chicago, Ill.
Mayo, Frank H., architect, Jenkintown, Pa.
Mayo, L. T., contractor, Black Bldg., Los Angeles, Cal.
Mayo Lbr. Co., Milton, Fla.
Mayo Milling Co., flour, Richmond, Va.
Mayo Radiator Co., So. Boulevard & 143d, New York.
Mayo-Skinner Mfg. Co., air pumps, 54 E. 18th, Chicago, Ill.
Mayor, Thos., & Son, flyers, 26 Olney, Providence, R. I.
Mayre, P. Thornton, architect, Candler Bldg., Atlanta, Ga.
Mays Brick Co., Greenwood, S. C.
May's Landing Cut Glass Co., May's Landing, N. J.
Mays Rattan Wks., furniture, 3347 N. Clark, Chicago, Ill.
Maysville Brick Co., Maysville, Ky.
Maysville Guano Co., fertilizer mfrs., Maysville, Ga.
Maytag Co., agricultural implements, Newton, Ia.
Mayton Lbr. Co., Hacker Valley, W. Va.
Maytown Lbr. Co., Maytown, Fla.
Mayville Canning Co., Mayville, Wis.
Mayville White Lime Works, Mayville, Wis.
Maywald, Fred'k J., assayer & chemist, 133 Walter, New York.
Maywood Packing Co., canned goods, Corning, Cal.
**Maze, W. H., Co., masons' & bldrs.' matls—shingle nails, points, etc., Peru, Ill.**
Mazel-Best Supply Co., machsts.' tools, 1846 Grand av, Chicago, Ill.
Mazer Acoustie Co., acoustical engines & contrs., 4765 Liberty av, Pittsburgh, Pa.
Mazzoni, R., contractor, West New York, N. J.
Mazzotta, Salvatore, mason contr., Middletown, Conn.
M. B. Tool Co., screw drivers, Danielson, Conn.
Meacham & Babcock Shipbldg. Co., Seattle, Wash.
Meacham & Wright Brick Co., 133 W. Washington, Chicago, Ill.
**MEACHEM GEAR CORP.**, Syracuse, N. Y.
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**Mead, A. G., Co., presses, 62 Sudbury, Boston, Mass.**
**Mead, Charles A., architect, Upper Montclair, N. J.**
**Mead, Chas. H., contractors, 15 Beacon, Boston, Mass.**
**Mead & Co., machinists & founders, 19th & M. C. R. R., Detroit Mich.**
**Mead Cycle Co., bicycle mfrs., 33 N. Canal, Chicago, Ill.**
**Mead, Earl H., architect, Harbor Springs, Mich.**
**Mead & Eastwood, sashes, doors & blinds, San Marcos, Texas.**
**Mead Gas Heater Co., Delawanna, N. J.**
Mead, John J. & Co., heavy & marine hdwe., 75 Barclay, New York. *See adv. index at end of book.*
**Mead-Morrison Mfg. Co., conveyors. hoists, etc., Prescott & Orleans, East Boston, Mass.**
**Mead Pulp & Paper Co., Dayton, Ohio.**
**Mead & Requa, architects, 6th & B., San Diego, Cal.**
**Mead, Samuel W., architect, Barristers Hall, Boston, Mass.**
**Mead, Suydam Co., burial cases, Park av & N.. 13th, Newark N. J.**
Mead Traveling Bag Co., 147 W. Austin av, Chicago, Ill.
Meade, F. B. & J. M. Hamilton, architects, Garfield bldg, Cleveland, Ohio.
**Meade, Richard K., industrial, chemical & mechanical engineer 11 E. Fayette, Baltimore, Md.**
**Meader, Herman Lee, architect, 2 W. 33d, New York.**
**Meadons Blower & Pipe Wks., 25 Meserole av, Brooklyn, N. Y.**
Meador, J. G., lbr., Winchester, Miss.
Meadow Creek Lbr. Co., Meadow Creek, Idaho.
Meadow Lands Coal Co., bituminous, 1st Nat'l. Bk. bldg, Pittsburgh, Pa.
Meadow River Lbr. Co., oak flooring, Rainelle, W. Va.
Meadowbrook Condensed Milk Co., canned, Issaquah, Wash.
Meadows, E. H., & J. A. Co., fertilizer, New Bern, N. C.
Meadows Mfg. Co., agricultural implements, Pontiac, Ill.
Meads, Chas., & Co., contractors, 38 Park row, New York.
Meadville Malleable Iron Co., fndrs., Meadeville, Pa.
Meadville Metallic Vault Co., steel burial vaults, Meadville, Pa.
Meadville Wrench Co., Meadville, Pa.
Meagher, Jas. A., contractor, Bay City, Mich.
Meagher, Jas., Sons, cordage & twine, 1625 San Bruno, San Francisco.
Meagher & Smith, contractors, Perth Amboy, N. J.
Meagher, Thos. F., cornices, 30 Center, New Haven, Conn.
Meagher, Wm. J., & Co., contractors, Bay City, Mich.
Meaker Galvanizing Co., 1249 Fulton, Chicago, Ill.
Meals, F. J., architect, 1100 Woodland av, Pittsburgh, Pa.
Mealey & Collins, contr., 180 Jessie, San Francisco, Cal.
Meals, Jacob F., contractor, Oil City, Pa.
Meals, Saml. A., contractor, 2910 Shadeland, Pittsburgh, Pa.
Meanor & Handloser, architects, Huntington, W. Va.
Means, Justin, excelsior, Edgar, Wis.
Means, Mark A., Co., mill & facty. supplies, Lewiston, Idaho.
Means & Thatcher, paints, Norfolk Downs, Quincy, Mass.
Meany, Edw. F., & Co., stone producers, 534 Albany, Boston, Mass.

Mears Earphone Co., audiphones, 43 W. 34th, New York.
Mears, Henry A., architect, 120 Tremont, Boston, Mass.
Mears Improved Line Co., Gloucester, Mass.
Mears-Slayton Lumber Co. See North Shore Bldg. Material Co. (successor).
Meatyard Constr. Co., Wilkins Bldg., Washington, D. C.
Mebane Bedding Co., Mebane, N. C.
Mecca Machinery Co., gears & special machy., 85-87 Adam Brooklyn, N. Y. *See adv. index at end of book*
Meccano Co., toy metal bldg. matls., 46 W. 24th, New York.
Mechanic Falls Brick Co., Mechanic Falls, Me.
Mechanical Accountant Co., adding & computing machs., 1 Warren, Providence, R. I.
Mechanical Appliance Co., elec. motors & generators, Milwaukee, Wis.
Mechanical & Electrical Mfg. Co., carburetors, joints, lubricators, etc., 2227 Prairie av, Chicago, Ill.
Mechanical Equip't Co., steam & hot water htg. contr., 20 Centre, New York.
Mechanical Fabric Co., rubber carriage cloth, etc., 40 Sprague Providence, R. I.
Mechanical Handles Co., machsts. & fndrs., Hudson, N. Y.
Mechanical Mach. & Tool Wks., 549 Fulton, Chicago, Ill.
Mechanical Mfg. Co., road scrapers, packing house machy Union Stock Yards, Chicago, Ill.
Mechanical Mold & Machine Co., Akron, Ohio
Mechanical Nov. & Mfg. Co., toys, St. Louis, Mo.
Mechanical Plating Works, 616 W. Monroe, Chicago, Ill.
Mechanical Rubber Co. See U. S. Rubber Co. (successor).
Mechanical Specialties Mfg. Co., gears, pinions, etc., 1464 Wester av, Chicago, Ill.
Mechanical Supplies Co., contrs. & mill supps., 220 E. 3r Cinn., O.
Mechanics' Foundry & Machine Co., castings & engines, Fr River, Mass.
Mechanics Furniture Co., music cabinets, Rockford, Ill.
Mechanics Iron Foundry Co., 38 Kemble, Rox., Boston, Ma
Mechanics Iron Wks., 909 S. Ewing av, St. Louis, Mo.
Mechanics Machine Co., Rockford, Ill.
Mechanics Paint Co., 715 Franklin av, St. Louis, Mo.
Mechanics' Planing Mill Co., lbr. mfrs., 3742 N. B'way, St Louis, Mo.
Mechanics' Planning Mill Co., sash, door & blind mfrs., Evansville, Ind., & Fort Smith, Ark.

hanics Tool Co., pliers & wrenches, Rockford, Ill.
chanicsville Spec. Supply Mfg. Co., pipe cutters, Mechanicsville, N. Y.
chling Bros. Mfg. Co., chemicals, Camden, N. J.
chodoma, Antonin, archit., Box 104, San Juan, Porto Rico.
cke & Co., crude rubber, 6 Hanover, New York.
ckel, Fred L., tool bags, steel belts, jack-straps, etc., 11 E. 13th, Chicago, Ill.
ckel, Jno., architect, Anderson, Ind.
ckelburg, A. F., Sash & Door Co., 760 31st, Milwaukee, Wis.
cklenburg Iron Wks., Charlotte, N. C.
cklenburg Marble & Granite Co., Charlotte, N. C.
cky, A. Co., children's vehicles, 1707 W. Allegheny, Phila., Pa.
ial Paving Brick Co., Swetland Bldg., Cleveland, Ohio.
iart, Fred, Mfg. Co., playground & gymnasium equip. & steel lockers, Potomac & De Kalb sts., St. Louis, Mo.
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iart Patent Pulley Co., 3500 De Kalb, St. Louis, Mo.
iders, T. L., & Co., contractors, Birmingham, Ala.
ier Bros., corn brooms, Minneapolis, Minn.
ier-Staudt Co., storage batteries, 649 W. 43d, New York.
iford Iron Wks., Medford, Ore.
field Silica Co., sand, lime, brick, Medfield, Mass.
ford Lbr. Co., Medford, Wis.
iford Woolen Mfg. Co., felt boots & shoes, Medford, Mass.
lina Bending Works, Medina, Ohio.
lina Fdry. Co., Medina, N. Y., & Medina, Ohio.
lina Iron & Brass Co., Medina, N. Y.
lina Machine Co., machsts., Medina, Ohio.
lna Stamping & Mach. Co., Medina, N. Y.
inger, Thom. G., chronometers, 16 Beaver, New York.
iland Bros., contrs., Logansport, Ind.
ora Canning Co., Medora, Ind.
ora Shale Brick Co., Medora, Ind.
ve, Peter, contr., 130 Lenox av, Bridgeport, Conn.
way Box Co., packing, Medway, Mass.
, F. B., contractor, Yonkers, N. Y.
ch Foundry & Castings Co., 9940 Meech av, S. E., Cleveland, Ohio.
han Boiler & Const. Co., Lowellville, Ohio.
han, Jno. F., stone prod., New Britain, Conn.
han & Lambert, contrs., Willimantic, Conn.
han, Thos., & Sons, landscape architects, Chew & Phillena, Phila., Pa.
k, A. E., Trunk & Bag Co., Denver, Colo.
k, J. F., Co., advertising novelties, Coshocton, Ohio.
k, James Edwin, architect, 470 4th av, New York.
k Lumber Co., East Palestine, Ohio.
k Milling Co., flour, Marissa, Ill.
k Mfg. Co., Newburyport, Mass.
ker Advtg. Co., spec., 3rd st & Missouri av, Joplin, Mo.
ker Coal Co., Norwalk, Conn.
ker Fndry. Co., 95 Clay, Newark, N. J.
ker, M. C., lumber, Occidental, Cal.
ker Mfg. Co., carriage axles, tires, wheels, etc., Dayton, O.
ker, Wm. M., architect, Park & Exchange, Passaic, N. J.
ker's Union Fndry. Corp., grey iron castings & steam heaters, Norwalk, Conn.
ks, Everett V., archit., 52 Vanderbilt av, New York.
ks, Jas. Edwin, architect, 367 Lexington av, New York.
hoff, H. H., vault valves, water heaters, Richmond, Ind.
s, R., cornices, Joliet, Ill.
se, J., mops, 2nd & John, Cincinnati, Ohio.
e, Broom & Co., Spokane, Wash.
se & Gottfried Co., machsts., 660 Mission, San Francisco, Cal.
rgee Bros., blasting paper, Scranton, Pa.
rgee Paper Mills, Modena, Pa.
ath Coal Co., Omaha, Neb.
rly, Chas. O., machsts. & fndrs., Boyertown, Pa.
ll, Edw. L., gauge pins, 60 Duane, New York.
nn, W. J., contr., Naugatuck, Conn.
er, J. G., & Co., canned goods, Brookfield, Wash.
uier & Jones Co., brass fndrs., etc., Portland, Me.
ail, Alfred H., architect, Stephen Girard Bldg., Phila., Pa.
Hardware Co., hardware (wholesale), Erie, Pa.
Machine Tool & Die Co., special machy., Roselle, N. J.
berger & Jones, mchsts & fndrs., Fort Smith, Ark.
er & Eckstenkemper Lbr. Co., 901 Fehr av, Louisville, Ky.
in, Frank, mchsts., Belcher, La.
in, Paul G., & Sons, pianos, 4 E. 43d, New York.
ier, B. E., architect, Fond Du Lac, Wis.
hof Brick Co., Little Ferry, N. J.
hof, Philip, brick, Hackensack, N. J.
ing, H. B., & Co., mill & facty. supplies, York, Pa.
ing, John A., brick & tile, Napoleon, O
ing & Kline Co., contractors, Spitzer Bldg., Toledo, O.
ing, S. D., carriages, Littlestown, Pa.
ing, Wm. M., cow milking machs., Keymar, Md.
heimer, G. T., sash, door & blind, Elnora, Ind.
. Frank, contractor, Farmers Trust Bldg., Indianapolis, Ind.
-Andres Belting Co., 128 Mulberry, Newark, N. J.
Dental Mfg. Co., water htrs., 3927 Olive, St. Louis, Mo.
, Hubert A., stone producers, 525 Bellevue, Detroit, Mich.
, J. J., Machinery Co., dlrs., 3414 Woolworth bldg., New York.
& James, contractors, Hazleton, Pa.

Meier Packing Co., meat packers, 577 W. Ray, Indianapolis, Ind.
Meier, Rudolph, architect, Lincoln Bldg., St. Joseph, Mo.
Meier, Theo. G., architect, Monadnock Bldg., San Francisco, Cal.
Meier's, Jos., Sons, mill & facty. supplies, 306 Market, Newark, N. J.
Meigs, H. G., Co., masons' & builders' materials, West Allis, Wis.
Meigs Lumber & Mfg. Co., Meigs, Ga.
Meiklejohn Lbr. Co., Cheraw, S. C.
Meilicke Calculator Co., 350 N. Clark, Chicago, Ill.
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Meilink Steel Safe Co., Toledo, Ohio.
Meinecke Mfg. Co., bamboo furniture, toys, children's carriages, etc., Richards, Milwaukee, Wis.
Meinecke Mfg. Co., willow ware mfrs., Milwaukee, Wis.
Meinersman, H. T., Co., landscape architects, Steger Bldg., Chicago, Ill.
Meinhardt, John, & Sons, contractors, Massillon, Ohio.
Meinig, E. Richard, Co., gloves & mittens, Reading, Pa.
Meinken, Detrich, contractor, 2126 Western av, Cincinnati, Ohio.
Meirowsky Brothers, raw & manufd. mica, insulating cloths, tapes, etc., Jersey City, N. J.
Meisel, Ferdinand, cornices, 1439 N. Halsted, Chicago, Ill.
Meisel Press Mfg. Co., gears, also printing presses & paper slitting & winding machinery mfrs., 942 Dorchester av, Boston, Mass.
Meiser, G. H., & Co., vulcanizers, 327 E. Marquette, Chicago, Ill.
Meiser, H., & Son, fndrs., 204 Clay, Baltimore, Md.
Meisinger, Emil J., architect, 394 Graham av, Brooklyn, N. Y.
Meislahn, C. F., & Co., mattresses, 19 Clay, Baltimore, Md.
Meisle, G., & Bro., packing box mfrs., 217 New, Phila., Pa.
Meisselbach, A. F., Mfg. Co., fishing reels, can openers, etc., 26 Prospect, Newark, N. J.
Meisselbach-Catucci Mfg. Co., gears, machine tools, etc., 56 Stanton, Newark, N. J. *See adv. index at end of book*
Meister, A., & Sons Co., auto. metal bodies, & Carriages, Sacramento, Cal.
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Meister & Cochran, mchsts. & fndrs., Sterling, Ill.
Meister Contr. Co., Dunkirk, N. Y.
Meister Piano Co., 470 4th av, New York.
Meister, R., & Son, machsts., Bay City, Mich.
Meitzler & McKay, contrs., Oxford bldg, Washington, D. C.
Meixel, Coleman & Co., lumber, Montgomery, Pa.
Melan, Henry J., contractor, Wilkes-Barre, Pa.
Melaun, Ernest, architectural iron, Indianapolis, Ind.
Melbourne Bros. Co., contrs., Canton, Ohio.
Melchoirs, Peter & Son, Mach. Works, Omaha, Neb.
Meldahl, Jens J., architect, 104 S. Michigan av, Chicago, Ill.
Melee, Owen J., dock bldrs., Long Branch, N. J.
Melendy, C. F., shooks-box, Nashua, N. H.
Melendy, Geo. E., architect, Orange, N. J.
Melidossian, G. G., architect, 37 Farragut av, Providence, R. I.
Melillo Constr. Co., 4215 3rd av, New York.
Melin, Chas. W., architect, 1302 Columbia av, Rogers Park, Ill.
Melin-Winkel Piano Co., South Haven, Mich.
Melind Louis Co., stamps, 183 W. Madison, Chicago, Ill.
Meline, Frank L., contr., Hollywood, Cal.
Meliorate Mfg. Co., sleeve wire connectors, 809 Lexington av, Brooklyn, N. Y.
Mell, Marvin M., & Co., masons' & bldrs.' matls., Akron, O.
Mell-Vaill Lumber Co., Kane, Pa.
Mellen Cedar Co., Mellen, Wis.
Mellen, Daniel W., contractor, Springfield, Mass.
Mellen Lumber Co., Mellen, Wis.
Mellen, Walter L., contractor, 41 Queen, Worcester, Mass.
Mellinger, I. F., masons' & bldrs.' matls., Leetonia, O.
Mellin's Food Co., 261 Franklin, Boston, Mass.
Mellish-Hayward Co., htg. contrs., 213 W. Austin av, Chicago, Ill.
Mellon, Edward P., architect, 52 Vanderbilt av, New York.
Mellon & Storm Mfg. Co., machsts., St. Louis, Mo.
Mellon-Stuart Co., contrs., Oliver Bldg., Pittsburgh, Pa.
Mellon-Stuart-Nelson Co., contrs., 208 S. La Salle, Chicago, Ill.
Mellor Box Opener Co., Sedalia, Mo.
Mellor, Jos., mach. & fdr., Aspen, Colorado.
Mellor & Meigs & Howe, architects, 205 S. Juniper, Phila., Pa.
Mellott Furnace Co., 955 Liberty av, Pittsburgh, Pa.
Mellow & Storm Mfg. Co., spring beds, 10th & Mullanphy, St. Louis, Mo.
Mellus Bros. & Co., ore bags, Los Angeles, Cal.
Melody & Keating, contractors, Bailey Bldg., Phila., Pa.
Melone-Bovey Lbr. Co., 1228 S. 4th, Minneapolis, Minn.
Melophone Talking Machine Co., 376 Lafayette, New York.
Meloy, Fred., contr., Lowell, Mass.
Meloy, John F., contractor, Shelbyville, Ind.
Melrose Constr. Co., 103 East 125th, New York.
Melrose Granite Co., St. Cloud, Minn.
Melrose Lbr. Co., McShane, Ala.
Melrose Mill Co., sash, door & blind mfrs., 2707 Clybourn av, Chicago, Ill.
Melrose Milling Co., flour, Melrose, Minn.
Melter, Larkin Paving Co., 133 W. Washington, Chicago, Ill.
Melton Hardware Co., Meridian, Miss.
Melton-Rhodes Co., filing cabinets & devices, Greensboro, N. C.
Melville, Frank L., rust preventive, Bayonne, N. J.

Melville Woolen Co., woolen flannels, Chambersburg, Pa.
Melvin Bros. Pattern Wks., 37½ S. Scioto, Columbus, Ohio.
Melvin, Thos. H., contractor, Wilmington, Del.
Melvin Tile & Brick Co., Melvin, Ohio.
Melzer, William, stone producers, Clintonville, Wis.
Memler, Arthur H., architect, 524 S. Spring, Los Angeles, Cal.
Memphis Asphalt & Paving Co., Memphis, Tenn.
Memphis Bag Co., Memphis, Tenn.
Memphis Band Mill Co., Memphis, Tenn.
Memphis Boiler Works, Memphis, Tenn.
Memphis Brass Valve Works, mchsts. & fdrs., Memphis, Tenn.
Memphis Bridge Co., steel structural, Memphis, Tenn.
Memphis Broom & Brush Co., Memphis, Tenn.
Memphis Coffin Co., Memphis, Tenn.
Memphis Cornice & Roofing Co., Memphis, Tenn.
Memphis Hardwood Flooring Co., Memphis, Tenn.
Memphis Heating Co., Memphis, Tenn.
Memphis Iron & Metal Co., Memphis, Tenn.
Memphis Machine Works, Memphis, Tenn.
Memphis Mattress Co., Memphis, Tenn.
Memphis Repair Works, mchsts. & fdrs., Memphis, Tenn.
Memphis Rice Mill, Memphis, Tenn.
Memphis Sash & Door Co., Memphis, Tenn.
Memphis Stave Mfg. Co., cooperage stock, Memphis, Tenn.
Memphis Steel Constr. Co., towers & tanks, Magee Bldg., Pittsburg, Pa.
Memphis Veneer & Lumber Co., Memphis, Tenn.
Menan Milling Co., flour, Menan, Idaho.
Menasha Printing & Carton Co., folding paper boxes, Menasha, Wis.
Menasha Mfg. Co., sash, door & blind, Menasha, Wis.
Menasha Paper Co., Ladysmith, Wis.
Menasha Printing Co., paper mill, Menasha, Wis.
Menasha Wood Split Pulley Co., Menasha, Wis.
Menasha Wooden Ware Co., Menasha, Wis.
Mench, S. B., & Co., pckg., box mfrs., 2030 E. Dauphin, Phila., Pa.
Menconi Bros., architect, 422 W. 46th, New York.
Menczer, E. A., machsts., Los Angeles, Cal.
Mendel Drucker Co., trunks, Floral & Park, Cincinnati, Ohio.
Mendel, Louis L., architect, Empire bldg, Seattle, Wash.
Mendell Mfg. Co., switches, connectors, etc., New Bedford, Mass.
Mendelson Bros. Paper Stock Co., waste paper, 910 S. Michigan av, Chicago, Ill.
Mendelson, Her., bath'g suit, sweaters, etc., mfrs., 159 Court, Brooklyn, N. Y.
Mendenhall, C. S., maps, Cincinnati, Ohio.
Mendenhall, Hayes & Son, contractors, Drexel Bldg., Phila., Pa.
Mendes Cutting Factories, drills, etc., 14 John, New York.
Mendlik Bros., contrs., Lowell, Mass.
Mendocino Lumber Co., Crocker Bldg., San Francisco, Cal.
Mendon, Theo., contrs., Racine, Wis.
Mendota Mfg. & Transfer Co., mchsts. & fdrs., rakes, Mendota, Ill.
Mendoza, Frank, & Son, canned goods, Dighton, Mass.
Mendum, Jos. W., cornices & skylights, 278 Bennington, E. B., Boston, Mass.
Meneely Bell Co., bell founders, Troy, N. Y.
Menefee Art Stone Co., Ft. Wayne, Ind.
Menefee Fdry. Co., Ft. Wayne, Ind.
Menefee, L. B., Lbr. Co., N. W. Bank Bldg., Portland, Ore.
Meng, Anthony, & Co., masons' & bldrs.' matls., 17 S. Front, Philadelphia, Pa.
Menge, John, Jr., architect, 138 Wright, Milwaukee, Wis.
Menge Marine Hardware & Supply Co., 232 Canal, New Orleans, La.
Menge, Wm., machsts., Dolgeville, N. Y.
Mengel Box Co., Louisville, Ky.
Mengel, C. C., & Bro., Co., veneer mfrs., Louisville, Ky.
Mengel, E. T., lbr. mfrs., Bay City, Mich.
Menke, A. F., architect, 512 Hinckley block, Seattle, Wash.
Menke, Chas., children's carriages, 535 E. 15th, New York.
Menke, F. W., Stone & Lime Co., Quincy, Ill.
Menke-Grimm Planing Mill Co., lbr. mfrs., Quincy, Ill.
Menke, Thielberg Co., contractors, 139 N. Clark, Chicago, Ill.
Mennel Milling Co., Toledo, Ohio.
Mennen Co., shaving soap, 42 Orange, Newark, N. J.
Meno Milling Co., flour, Meno, Okla.
Menominee Bay Shore Lbr. Co., Soperton, Wis.
Menominee Brick Co., Menominee, Mich.
Menominee Elec. Mfg. Co., teleg. instrs., Menominee, Mich.
Menomonee Falls Mfg. Co., mchsts. & fdrs., Menomonee Falls, Wis.
Menominee Motor Truck Co., Menominee, Mich.
Menominee River Shingle Co., Menominee, Mich.
Menominee River Sugar Co., Menominee, Mich.
Menominee Saw Co., Menominee, Mich.
Menominee Stained Glass Co., Menominee, Mich.
Menominee White Cedar Co., lumber mfrs., Menominee, Mich.
Menomonie Milling Co., flour, Menomonie, Wis.
Menough Foundry Co., Wellsville, Ohio.
Menough, Jas. L., & Son, contractors, York, Pa.
Men's Wear, trade publication, 8 E. 13th, New York.
Mensch, L. J. Crosby, contr., 138 N. La Salle, Chicago, Ill.
Mente & Co., burlap, Robin & S. Peters, New Orleans, La.
Mentels The, machsts., gas stoves, Springfield, Ohio.
Mentges Folder Co., circular & paper folding machines, Sidney, Ohio.
Mentz, Geo. B., Co., brick molds, Wallkill, N. Y.
Mentzer, J. P., storage batteries, 2210 S. Park av, Chicago, Ill.
Mentzer, Samuel F., contractor, Harrisburg, Pa.
Menzel & Jeffrey Co., fndrs., 317 9th av, Minneapolis, Minn.
Menzel Trunk Co., 902 Main, Cincinnati, Ohio.
Menzel, Wm., lbr., Granite Falls, Wash.
Menzel, Wm. & Son, wood preservatives & shingle stains, 64 Broad, New York.
Menzies & Menzies, cornices, 196 Orange, New Haven, Conn.
Mepham, Geo. S., & Co., clays, metal polish, paint mfrs., etc., 20th & Lynch, East Et. Louis, Ill.
Meramec Portland Cement & Material Co., Syndicate Trust Bldg., St. Louis, Mo.
Mercantile Box Co., packing, 318 Market, San Francisco, Cal.
Mercantile Corp., plain envelopes, 120 B'way, New York
Mercantile Lumber Co., Jackson, Miss.
Mercantile Warehouse Co., broom & whisk sew'g machs., 53 Beach, New York.
Merced Lumber Co., Merced, Cal.
Mercedita Sugar Co., 129 Front, New York.
Mercer Automobile Co., Trenton, N. J.
Mercer, Brannun & Bevington Co., masons' & bldrs.' matls., Fairmount, Ind.
Mercer, F. T., Co., contractors, 1706 Delancey, Phila., Pa.
Mercer Fraser Co., contrs., Eureka, Cal.
Mercer, Geo. W., Constr. Co., Perth Amboy, N. J.
Mercer Mfg. Co., wall ties, Mercer, Pa.
Mercer Milling Co., flour, Baldwinsville, N. Y.
Mercer Pottery Co., Trenton, N. J.
Mercer Rubber Co., air drill hose, 95 Broad, New York.
Mercer Rubber Co., Hamilton Sq, N. J.
Mercereau Bridge & Construction Co., 313 N av, Los Angeles, Cal.
Mercereau-Hawkins Tie Co., Huntington, W. Va.
Merchandise & Laundry Tag Co., 19 Washington, Boston, Mass.
Merchant, A. W., contractor, 86 Weybosset, Providence, R. I.
Merchant, Alexander, architect, 363 George, New Brunswick, N. J.
Merchant Box & Cooperage Co., packing box, Gloucester, Mass.
Merchant, C. T., contr., 180 Jesse, San Francisco, Cal.
Merchant & Evans Co., sheet metal workers machines & tools, etc., Washington av & 21st, Philadelphia, Pa.
*See adv index at end of book.*
Merchant, P. A., mchsts. & fndrs., Guilford, N. Y.
Merchant Shipbldg. Corp., Chester, Pa.
Merchants Despatch Transportation Co., gondola & refrigerator cars, East Rochester, N. Y.
Merchants Distilling Co., Terre Haute, Ind.
Merchants Steel & Supply Co., R. R. Equipments, 208 S. La Salle, Chicago, Ill.
Merchants Stone Co., Joliet, Ill.
Merchants & Mfrs. Supply Co., bags, Chelsea, Mass.
Mercier Bryan-Larkins Brick Co., Detroit, Mich.
Mercier, John A., contractor, Hammond Bldg., Detroit, Mich.
Merck & Co., chemicals, 45 Park pl, New York.
Mercurio Bros. Spaghetti Mfg. Co., canned, St. Louis, Mo.
Mercury Machine Co., 2127 N. Broad, Philadelphia, Pa.
Mercury Mfg. Co., storage battery tractors & trailers, 4118 S. Halsted, Chicago, Ill.
Mercury Mfg. Co., typewriter ribbons, Rochester, N. Y.
Meredith Bros. Co., contractors, 1043 Kinnikinnic av, Milwaukee, Wis.
Meredith Casket Co., Meredith, N. H.
Meredith, J. P., Cedar Co., Memphis, Tenn.
Meredith Linen Mills, towels, 79 Milk, Boston, Mass.
Meredith & Stoetzel, architects, 413 S. Dearborn, Chicago, Ill.
Mereen-Johnson Mach. Co., 4400 Lydale av, Minneapolis, Minn.
Meremec-Portland Cement & Material Co., sand & gravel dlrs., St. Louis, Mo.
Meres, F. Guy, architect, Mount Kisco, New York
Mergenthaler Co., reamers, mfrs., 118 Hollingsworth, Baltimore, Md.
Mergenthaler Linotype Co., type sett'g & distribut'g mach'y, 154 Nassau, New York.
Mergenthaler, Richard H., architect, Atlantic City, N. J.
Mergott, J. E. Co., purse frames, etc., 316 Julliff av, Newark, N. J.
Meriam Co., gas engine indicators, Meriam Bldg., Cleveland, O.
Mericle, Aaron, brick, Fort Jennings, Ohio.
Meriden Britannia Co., table silverware, Meriden, Conn.
Meriden Cut Glass Co., Meriden, Conn.
Meriden Cutlery Co., Meriden, Conn.
Meriden Machine Tool Co., Meriden, Conn.
Meriden Optical & Jewelry Co., Meriden, Conn.
Meriden Press & Drop Co., mchsts. & Fdrs., Meriden, Conn.
Meriden Silver Plate Co., Meriden, Conn.
Meridian Fertz Factory, Meridian, Miss.
Meridian Lbr. Co., Ltd., Meridian, La.
Meridian Mattress Factory, Meridian, Miss.
Meridian Mill Co., flour, Meridian, Tex.
Merillat Culvert Core Co., concrete forms, Winfield, Ia.
Merion Lime & Stone Co., Norristown, Pa.
Merion Paper Co., binder boards, Bellevue Court Bldg., Phila., Pa.

it Mach. Mfg. Corp., arc stage & stereopticon lamps, 465 Greenwich, New York.
itas Mills, cotton, duck & canvas, 320 B'way, N. Y. City
riweather, W. W. & Son, whol. hdwe., Paragould, Ark.
kel, A. P., agricultural machy., Fleetwood, Pa.
kel Bros. Co., plumber's mill & fcty. supplies—jobbers, Cana & Jackson, Cincinnati, O.
kel Herman, gasoline lamps, 511 Elm, St. Louis, Mo.
ker & Wirsing, carriages, Belleville, Ill.
kle-Wiley Broom Co., Paris, Ill.
rall, F. R., & Co., pack'g box mfrs., 505 E. 18th, New York.
rell Canning Co., Harlan, Ia.
rell Co., wholesale hardware, Toledo, O.
rell Mfg. Co., pipe threading & cutting machines, 278 Curtis, Toledo, Ohio.
rell-Soule Co., canned goods, Syracuse, N. Y.
rell, W. S., Co., pharmaceuticals & salicylic acid, 5th & Pike Cincinnati, Ohio.
riam A. Co., piano benches, South Acton, Mass.
riam, C. A., architect, Seatle Nat'l. Bk. bldg, Seattle, Wash.
riam F. M., brass castings, Utica, N. Y.
riam Mfg. Co., fishing tackle boxes, Durham, Conn.
rick Chas. H., brick, Syracuse, N. Y.
rick Fredc. I., architect, Empire bldg., Pittsburgh, Pa.
rick Lumber Co., packing box & sash, door & blind mfrs., Holyoke, Mass.
rick & Pembler, architects, 51 State, Albany, N. Y.
rick Scale Mfg. Co., Passaic, N. J.
*See adv. index at end of book.*
rifield Co., killers-fly, swatters, Springvale, Me.
rifield, J. E., stone producers, Boonville, Mo.
rill Bros., iron & steel forgings, 3 Arnold, Maspeth, N. Y.
*See adv index at end of book.*
rill Bros. Co., silver nov., 222 Green, Newark, N. J.
rill C. N. & Son, mason's & blds. matls., Bristol, N. H.
rill, Chas. B., & Co., landscape archt., 53 Bowers, Newtonville, Mass.
rill Co., htg. contrs., 19 Pearl, Boston, Mass.
rill & Co., lbr. mfrs., 1700 Brooklyn av, Kansas City, Mo.
rill Constr. Co., Odd Fellows bldg, St. Louis, Mo.
ril Corp., contrs., 440 S. Dearborn, Chicago, Ill.
rill, E. R., Spring Co., ellptic & auto, 530 W. 28th, New York.
rill, Daniel D., architect, 5 Beekman, New York.
rill, F. B., Co., lbr., Merrill, Miss.
rill, F. H., architect, Yarmouthville, Me.
rill, Francis S., carriage wheels, Amesbury, Mass.
rill, Geo. B., & Co., granite, Lynn, Mass.
rill, Geo. E., architect, 111 E. 40th, New York.
rill Iron Works, machsts. & fndrs., Merrill, Wis.
rill, J. W., Lbr. Co., sash, door & blind mfrs., Southwest blvd & Summit, Kansas City, Mo.
rill & Madden Co., mill & facty. supplies, 45 S. Market, Boston, Mass.
rill Metallurgical Co., 121 2d, San Francisco, Cal.
rill Process Co., industrial heating & ventilating engineers, Old South Bldg., Boston, Mass.
rill, Samuel S., contractor, Salem, Mass.
rill Silk Co., knitted gloves, Hornell, N. Y.
rill-Stevens Shipbldg. Corp., Jacksonville, Fla.
rill Veneer Co., Merrill, Wis.
rill, Wm. B., & Co., packing, Jamaica Plain, Boston, Mass.
rill, Willis, lumber mfrs., Butler Center, N. Y.
rill Woodenware Co., Merrill, Wis.
rill's, R., Sons, nautical instruments, 66 South, New York.
rimac Chemical Co., ammonium alum, textile chemicals & mrg. chemists, 148 State, Boston, Mass.
rimac Mattress Mfg. Co., 129 Portland, Boston, Mass.
rimac Paper Co., Lawrence, Mass.
rimac Plating Wks., Merrimac, Mass.
riman Bros., megaphones, tackle blocks, etc., 185 Amory, Jamaica Plain, Boston, Mass.
ritt Bros., lbr., Reading, Pa.
ritt & Chapman Derrick & Wrecking Co., 17 Battery pl, New York.
ritt, Edw. L., architect, Empire bldg, Seattle, Wash.
ritt, F. M., wire hooks, Penn Yan, N. Y.
ritt Hardware Co., Macon, Ga.
ritt Hydraulics Co., 110 N. Broad, Philadelphia, Pa.
ritt, Jas. H., & Co., steam htg. contrs., 244 Water, New York.
ritt & Jarvis, contractors, 12 Marshall, Boston, Mass.
ritt Mfg. Co., veneer machy., Lockport, N. Y.
ritt, S. W., Co., grinders, pistons & jigs, 699 W. 133rd, New York (tr.)
ritt, W. H., contractor, Moorhead, Minn.
row Machine Co., Hartford, Conn., & Salem, Mass.
row Packing Co., meat, Auburn, Me.
y Bros., brick, Augusta, Ga.
y Steel Truck Co., Augusta, Ga.
yday Grocery Co., Palatka, Fla.
yman, Ridgeway, lbr. mfrs., Marine Bk. Bldg., Balto., Md.
yman, S. Howard, incubators, Towson, Md.
sch, Frank, & Sons, stone, 1037 Wade, Cincinnati, Ohio.
sereau Metal Bed Co., machsts. & fndrs., 292 Johnson av, Jersey City, N. J.
sereau, Wm. H., architect, 32 B'way, New York.
sfelder's, W. L., Pattern Wks., Lawrence & Friendship, Cincinnati, Ohio.

Mershon, Eddy, Parker Co., Mershon Station, Saginaw, Mich.
Mershon, John D., Lbr. Co., Saginaw, Mich.
Mershon & Morley Co., portable houses, Saginaw, Mich.
Mershon Patent Shaking Grate Wks., 147 N. 3d, Phila., Pa.
Mershon, W. B., & Co., machsts., Saginaw, Mich.
Mersick, C. S., & Co., mill & facty. & plumbers' supplies—jobbers, wholesale hdwe., New Haven, Conn.
Mersman Bros., battery holders, Ottawa, Ohio.
Merten, Paul, architect, 103 Osborne Terrace, Newark, N. J.
Mertens, John H., architect, 37 E. 28th, New York.
Mertens, Paul, architect, Rahway, N. J.
Mertes Machy. Co., dealers, 240 Oregon, Milwaukee, Wis.
Mertes-Miller Co., boilers, 239 Lake, Milwaukee, Wis.
Mertin, Adolph, architect, 34 W. 28th, New York.
Mertz Co., bodies, auto, 704 Woodland, Cleveland, O. (tr.)
Mertz, F. C., contractor, Port Chester, N. Y.
Mertz, John, Mfg. Co., stamping works, Sandusky, Ohio.
Mertz Matt Co., bldg. contrs., Oshkosh, Wis.
Mertz & Sons, cornices, Sandusky, Ohio.
Mertz's, Geo., Sons, rope mouldings, contrs., Port Chester, N. Y.
Merwin & Brown Co., mill & facty. supplies, Winsted, Conn.
Merwin, C. P., Brick Co., Berlin, Conn.
Merwin Mfg. Co., sheet metal stampings, Erie, Pa.
Merwin Paper Co., Windsor, Conn.
Merwin Paper Co., press papers & boards, Hartford, Conn.
Mery, M. L., machinist, Chico, Cal.
Merz Bros., carriages, 9 Crawford, Newark, N. J.
Merz, N., & Son, machsts. & fndrs., Salem, Ill.
Merz, Phillip, architect, Penn Bldg, Phila., Pa.
Mesa Flour Mill, Grand Junction, Colo.
Mesaba Boiler & Mfg. Co., Duluth, Minn.
Mescher, P. F., lbr., Curtain, Ore.
Mesker Bros. Iron Co., wrought iron wk., 421 S. 6th, St. Louis, Mo.
Mesker, Geo. L., & Co., steel awnings, railings, ceilings; iron stair bldrs., etc., Evansville, Ind.
Meskill Lbr. Co., Meskill, Wash.
Mesmer & Rice, contrs., Marsh-Strong Bldg., Los Angeles, Cal.
Mess, Matthew, lbr. mfrs., Wellsville, N. Y.
Messenger, Benj., glass stainers, Erie, Pa.
Messenger Bros., stone producers, Steelton, Pa.
Messenger, F. H., Co., paint mfrs., Auburn, N. Y.
Messenger, H. B., canned goods, Federalsburg, Md.
Messenger & Parks Mfg. Co., ceilings, tanks, ventilator mfrs., etc., Aurora, Ill.
Messenger, R. W., & Co., canned goods, Federalsburg, Md.
Messenger & Nichols, canned goods, Williamsburg, Md.
Messer Bros., stone producers, Brockton, Mass.
Messer & Co., welding & cutting app., oxyacetylene, 121 N. 7th, Philadelphia, Pa.
Messer, Jas. A. Co., Inc., plbrs., steam fitters supplies, 140 Penn av, N. W., Washington, D. C.
Messer, John B. (Est. of), brick, Easton, Pa.
Messer, Jos. J., Co., wood mantels, 457 Central av, Newark, N. J.
Messer, Richard, stone, Claremont, N. H.
Messerschmidt, H. Carl, architect, Mutual Bldg., Richmond, Va.
Messersmith, Clarence, contractor, Pottsville, Pa.
Messick, R. M., & Sons, canned goods, Bethlehem, Md.
Messick, W. F., & Bro., canned goods, Salisbury, Md.
Messick & Harper, canned goods, Hurlock, Md.
Messina, D. A., contrs., Silver Creek, N. Y.
Messinger, H. & F., Mfg. Co., shock absorbers, saddles & tires, Austin pl & 144th, New York.
Messinger Hardwood Lbr. Co., 2139 Elston av, Chicago, Ill.
Messinger, Jacob H., contractor, Nazareth, Pa.
Messinger Mfg. Co., agricultural implements, Tatamy, Pa.
Messinger Teaming & Supply Co., masons' & bldrs.' supplies, Easton, Pa.
Messinger's, H. C., Sons, machsts. & fndrs., Consohocken, Pa
Messmer, Andrew, Co., fndrs., Patterson nr. Bank, Cincinnati, O.
Messmer, Fred, Mfg. Co., machsts. & fndrs., 2700 S. 7th, St. Louis, Mo.
Messmer, John P., architect, 140 4th, Weehawken, N. J.
Messmer, R. A., & Bro. archt., Majestic Bldg., Milwaukee, Wis.
Messner & Co., steam fitters' supplies, Cedar Rapids, Ia.
Mesta Machine Co., rolling mill & heavy power machy., Box 1124, Pittsburgh, Pa. *See adv. index at end of book*
Metal & Alloy Spec. Co., Inc., bronze castings, Buffalo, N. Y.
Metal Ball Co., metal balls, 856 Broad, Bridgeport, Conn.
*See adv. index at end of book.*
Metal Barrel Co., Galesburg, Ill.
Metal Block Corp., brass ingots, 1230 N. Kostner, Chicago, Ill.
Metal Block & Ingot Co., machsts., 2215 Elston av, Chicago, Ill.
Metal Canning Co., Meta, Mo.
Metal Cornice & Roofing Co., Front & Dickinson, Phila., Pa.
Metal Crafters, stamping & drawings, sheet metal, E. Stroudsburg, Pa.
Metal Engng. Co., road culverts, Danville, Pa.
Metal Export Co. of America, 59 Pearl, New York.
Metal Forming Corp., mail boxes, Elkhart, Ind.
Metal Furniture Co., bedstead mfrs.; spring beds, Evansville, Ind.
Metal Hardening Solution Co., Rochester, N. Y.
METAL HOSE & TUBING CO., gasoline & oil hose mfrs., 252 Tillary, Brooklyn, N. Y.
*See adv. index at end of book*
Metal Industry, trade publication, 99 John, New York.

Metal Office Furniture Co., Grand Rapids, Mich.
Metal Package Corp. of N. Y., decorated boxes & cans, 346 Carroll, Brooklyn, N. Y.
Metal Parts Mf. Co., aeroplane supplies, 1084 E. 152nd, Cleveland, Ohio.
Metal Post & Culvert Co., Niles, Ohio.
Metal Products Co., Inc., 100 Jefferson, Chicago, Ill. *See adv index at end of book.*
Metal Products & Supply Co., iron bars, 1224-30 Washington, Philadelphia, Pa.
Metal Record & Electroplate, trade publication, 347 5th av, New York.
Metal Reversible Window Device Co., Fremont, Ohio.
Metal Sales Co., bearing metal, 805 Citizens Bldg., Cleveland, O.
Metal Shelter Co., port. fireproof garages, S. Wabasha, St. Paul, Minn.
Metal Sign Board Co., Kalamazoo, Mich.
Metal Specialties Co., hot water bottles, Attleboro, Mass.
Metal Spec. Co., hdwe. mfrs.—stampings, 6th & Burns, Cincinnati, Ohio.
Metal Spec. Mfg. Co., automobile accessories, 338 N. Kedzie av, Chicago, Ill.
Metal Spec. Mfg. Co., machsts., 125 Patchen av, B'klyn, N. Y.
Metal Specialty Mfg. Co., Inc. See Waterbury Steel Ball Co. (successors).
Metal Stamping Co., auto. seats, carriage fasteners, etc., 13th, Long Island City, N. Y.
Metal Stamping Co., refrigerators, Jackson, Mich.
Metal Stamping Corp., Streator, Ill.
Metal Stamping & Mfg. Co., 15th & Oklahoma avs, Milwaukee, Wis.
Metal & Thermit Corp, thermit welding process, rail welds, carbon free metals & alloys detinning, 120 B'way, New York. *See adv. index at end of book*
Metal Toy Soldier Co., 156 Chestnut av, Jersey City, N. J.
Metal Welding & Supply Co., Denver, Colo.
Metal Wkr., trade publication, 239 W. 39th, New York.
Metaline Chemical Co., boiler compounds, 839 Society for Savings Bldg., Cleveland, Ohio.
Metaline Co., bushings & bearings, West av, Long Island City, N. Y.
Metallic Automobile Matting Co., 181 York, Rochester, N. Y.
Metallic Batten Co., Owensville, Ind.
Metallic Drawing Roll Co., machsts., Indian Orchard, Mass.
Metallic Mfg. Co., elec. light fix. mfrs., 544 W. 35th, Chicago, Ill.
Metallic Mfg. Co., ventilator mfrs., Camden, N. J.
Metallic Novelty Co., elec. light fix. mfrs., Troy, Ohio.
Metallic Sash Operator Co., sash operating devices, 2233 Chestnut, St. Louis, Mo.
Metallic Screen Co., Collins, Wis.
Metallic Sign Letter Co., 433 N. Clark, Chicago, Ill.
Mettallo Gasket Co., New Brunswick, N. J.
Metallograph Corp., advtg. novelties, signs, etc., 1100 Brook av, New York.
Metals Coating Co. of Am., pneu. spray brushes, 100 Summer,, Boston, Mass.
Metals Disintegrating Co., Inc., zinc dust, 62 B'way, New York.
Metals Production Equipment Co., commercial munition brass & strips & ducs, heavy grey iron castings, indust. heat treating furnaces & powdered coal equipt. mfrs., Springfield, Mass.
Metals Refining Co., Inc., white metal alloys, Edison Bldg., Chicago, Ill.
Metals Welding Plant, (Steel Products Co.), 4400 Perkins av, Cleveland, Ohio.
Metals Working Co., 305 5th av, Pittsburgh, Pa.
Metalwood Mfg. Co., hydraulic presses, Leib & Wight, Detroit, Mich.
Metalyte Co., lamps, 366 W. 15th, New York.
Metcalf, Chas., steam fitters' supplies, Streator, Ill.
Metcalf, E. J., sash, door & blind, Normal, Ill.
Metcalf, Fred L., architect, 143 North av, Plainfield, N. J.
Metcalf, J. C. Machy. Co., 102 Pearl, Boston Mass.
Metcalf J. J., mill & facty. supplies, Hopkinsville, Ky.
Metcalf, J. S., Co., grain elev. bldrs., 108 S. La Salle, Chicago, Ill.
Metcalf, O. F., & Sons, masons' & bldrs.' matls., Franklin, Mass.
Metcalf, Sam'l, machst & fndr., Seabring, Brooklyn, N. Y.
Metcalfe, L. A., masons' & bldrs.' matls., 2433 Gilbert av, Cincinnati, Ohio.
Metcalfe, Louis R., architect, 2 W. 47th, New York.
Meteor Motor Car Co., Piqua, Ohio.
Methow Sawmill Co., Methow, Wash.
Methvin Hardware Co., Columbus, Ga.
Metler, C. L., & Co., lumber, Flat Rock, Mich.
Metlskin Co., Inc., boiler comp'ds, 61 Elizabeth, Rochester, N. Y.
Metric Metal Works, Erie, Pa.
Metric Packing Co., steam packing, 244 Kensington av, Buffalo, N. Y. *See adv. index at end of book.*
Metristry, David, mason contr., Newburgh, N. Y.
Metropolis Bending Co., neck yokes, Metropolis, Ill.
Metropolitan Air Goods Co., rubber goods, Reading, Mass.
Metropolitan Basket Co., wire, 151 Spring, New York.
Metropolitan Button Co., 55 W. 25th, New York.
Metropolitan Contracting Co., 102 S. Spring, Los Angeles, Cal.
Metropolitan Cut Glass Co., Metropolitan av, B'klyn, N. Y.



Metropolitan Dredging Co., 90 West, New York.
Metropolitan Elec. Mfg. Co., light switches & panel board cabinets, 524 1st, Seattle, Wash.
Metropolitan Engng. Co., elec. testing & measuring instruments, 1250 Atlantic av, B'klyn, N. Y.
Metropolitan Engng. Co., incandescent cut-outs, 1250 Atlantic av, Brooklyn, N. Y.
Metropolitan Gas & Elec. Fix. Co., 1767 E. 55th, Cleveland, Ohio.
Metropolitan Glass Co., 1545 N. Western av, Chicago, Ill.
Metropolitan Imptg. & Mfg. Co., wall pockets & advtg. spec., 304 E. 23rd, New York.
Metropolitan Iron Fndry., 890 Metropolitan av, Brooklyn, N. Y.
Metropolitan Iron & Steel Co., 560 W. 26th, New York City.
Metropolitan Match Co., 503 Market, San Francisco, Cal.
Metropolitan Material Co. green house materials, 1335 Flushing av, Brooklyn, N. Y.
Metropolitan Mattress Co., 47 Wareham, Boston, Mass.
Metropolitan Paint & Varnish Co., 322 Race, Philadelphia, Pa.
Metropolitan Paving Brick Co., Canton, Ohio.
Metropolitan Paving Co., St. Joseph, Mo.
Metropolitan Redwood Lumber Co., Metropolitan, Cal.
Metropolitan Sewing Machine Co., Nyack, N. Y.
Metropolitan Weather Strip Co., 117 Chambers, New York.
Mets, P. A., Paint Co., 769 Clinton, Buffalo, N. Y.
Metsch, Cassius M., architect, East Liverpool, Ohio.
Metz & Bowles, beading & crimping machines, Clinton, Ill.
Metz Bros. Co., contractors, 1295 Fillmore av, Buffalo, N. Y.
Metz Co., machsts. & fndrs., Waltham, Mass.
Metz, H. A., & Co., Inc., black acid, chysoidine, pharmaceutical chemists, etc., 122 Hudson, New York.
Metz Mfg. Co., lumber manufacturers, Dubuque, Ia.
Metz, Peter J., surface grinders, 562 Wash. Blvd., Chicago, Ill.
Metz & Schloerb, moccasins, Oshkosh, Wis.
Metz Struct. Steel Co., Bridgeport, Conn.
Metzger, Chas. S., contractor, Denckla Bldg., Philadelphia, Pa.
Metzger & Field, contractors, 47th & Bruce, Philadelphia, Pa.
Metzger & Fisher, contractors, Denckle bldg., Philadelphia, Pa.
Metzger, Harry, brooms, Muscatine, Ia.
Metzger, J., Mfg. Co., machsts., 2165 McLean av, Cincinnati, O.
Metzger, M., Co., signs, metal litho., 143 N. Wabash av, Chicago, Ill.
Metzger Mattress Co., spring beds, Atlanta, Ga.
Metzger, R. A., fly swatters, New Philadelphia, O.
Metzger, Richard, glass stainers, 54 Duryee, Newark, N. J.
Metzger Seed & Oil Co., Toledo, O.
Metzler, J., & Sons Co., carriages, 158 E. Grand av, Chicago, Ill.
Metzler, Wm. G., contractor, 28 Paul pl, Buffalo, N. Y.
Metzner, Louis L., architect, 714 E. Penna, Evansville, Ind.
Meulenbergh, Emil C., contractor, 103 Park av, New York.
Meurer, Geo. C. Co., ventilator, stove pipe & elbow mfrs., 22 Clay, Brooklyn, N. Y.
Meurer Steel Barrel Co., Inc., 23 W. 43d, New York.
Meuron, F. A. de, architect, 31 E. 27th, New York.
Meussdorffer, Conrad A., Humboldt Bk. Bldg., San Francisco, Cal.
Mewhinney, architect, Woodward Bldg., Birmingham, Ala.
Mexican Commercial & Agricultural Company, shipping & steamship agents, 426 S. Spring, Los Angeles, Cal.
Mexican Crude Rubber Co., 668 Penobscot, Detroit, Mich.
Mexican Petroleum Co., Los Angeles, Cal.
Mey Chain Belt Co., machsts, Buffalo, N. Y.
Meyberg Co., elec. & gas light fixtures, Los Angeles, Cal.
Meyer, A., architects, Central Na. Bank Bldg., St. Louis, Mo.
Meyer, A. B., & Co., masons' & bldrs. matls., 17 N. Penn, Indianapolis, Ind.
Meyer, A., Co. bldg. contrs., Portland, Ore.
Meyer, A. F. Mfg. Co., portable grain elev., Morton, Ill.
Meyer, A. G., & Sons, stone producers, Mankato, Minn.
Meyer, A. J., Mfg. Co., screw mach. products, 3840 Blvd., W Hoboken, N. J.
Meyer & Anselm, architect'l & ornamental iron, 173 Van Sinderen av, Brooklyn, N. Y.
Meyer & Brenner, architects, Lincoln bldg, Louisville, Ky.
Meyer Bros., stone, 342 E. North av., Milwaukee, Wis.
Meyer Bros., traveling bags, 234 N. Front, Philadelphia, Pa.
Meyer Bros. Saddlery Co., Sioux City, Ia.
Meyer & Brown, crude rubber, 347 Madison av, New York.
Meyer, C. G., & Son, auto tops, Tiffin, Ohio.
Meyer, C. R., Sons Co., contractors, Oshkosh, Wis.
Meyer, Chas. A., tire fabrics, 350 B'way, New York.
Meyer, Chas., brick, Freelandville, Ind.
Meyer Const. Co., Merrill bldg., Milwaukee, Wis.
Meyer Contracting Co., 1182 Broadway, New York.
Meyer Corporation, hog oilers, feed grinders, etc., Morton, Ill
Meyer, E. H., & Co., glass, paint, 35 E. Court, Cincinnati, Ohio
Meyer, Edw., & Co., cornices, 1541 Elm, Cincinnati, Ohio
Meyer, Ed. H., contrs., Terre Haute, Ind.
Meyer, Eugene, mill & facty. supplies—whol. hdwe., Jefferson Tex.
Meyer, F., & Bro. Co., mill & factory supplies; cornices ,tin plate, etc., Peoria, Ill.
Meyer, F. & J., plbrs. supplies, 116 Broad, New York.
Meyer, F. W., Co., printing inks, 46 Walworth, Brooklyn, N. Y
Meyer, Fred. H., architect, 742 Market, San Francisco, Cal.
Meyer, Fred'k C., grey iron & brass castings, Shelton, Conn.
Meyer, Frederick H., architect, 64 W. Randolph, Chicago, Ill
Meyer Furnace Co., Peoria, Ill.

r, G. A. & E., color mfrs., litharge & imports, 135 William, New York.
r, G. E., & Son, cornice, South Bend, Ind.
r, Geo. J., Malting Co., 1316 Niagara, Buffalo, N. Y.
r, Geo. J., Mfg. Co., machsts.—boilers, 598 Clinton, Milwaukee, Wis.
r, H. H., Packing Co., meat, Central av & Linn, Cincinnati, Ohio
r, Hans, architect, Woodbridge, N. J.
r, Harry C., architect, Zanesville, Ohio.
r, Hy. H., Co., contractors' tool & supplies—mill & facty. supplies, 110 S. Howard St., Baltimore, Md.
*See adv index at end of book.*
r, Henry W., archit., Old Nat'l Bank Bldg., Fort Wayne, Ind.
r, Herbert J., Co., gasoline hose & flexible metal tubing, 25-27 Cedar, Buffalo, N. Y.
r, J. C., & Co., thread, Lowell, Mass.
r J. F. Mfg. Co., sashes, doors & blinds, Hannibal, Mo.
, J., & Sons, stearate, cobalt, etc., varnish gums, Bourse Bldg., Philadelphia, Pa.
, Jas. S., machy. dlr., Rockville, Mo.
r, Jacob A., contractor, 352 Orms, Providence, R. I.
, John F., Tire Duck Co., 708 Frelinghuysen av, Newark, N. J.
, John H., & Co., Inc., tire fabrics, 50 Union Sq., New York.
, Jos. F., Co., whol. hdwe., Houston, Texas.
r, L. M., & Co., coal bags, contrs., tents, etc., Springfield, Mass.
, Louis, Co., meat packers, 374 Flushing av, Brooklyn, N. Y.
r, Louis J., plated silverware, 804 Walnut, Philadelphia, Pa.
& Martin, contractors, 118 E. 88th, New York
, N., corn brooms, Green Bay, Wis.
, Otto C., & Co., boiler wks. & iron castings, 30 Franklin av, Brooklyn, N. Y.
& Peters, contrs., Quincy, Ill.
, R. M., masons' & bldrs.' matls., 3010 Jefferson av, W., Detroit, Mich.
& Ruh Co., mill & fcty. supplies, masons' & builders' materials, Bayonne, N. J.
Scale & Hdwe. Co., 328 Adams, Newark, N. J.
-Sniffin Co., plumbers' supplies—jobbers, 11 W. 36th, New York
Supply Co., plbrs. supplies, Cleveland, O.
, Theodore A., architect, 114 E. 28th, New York.
& Thomas Const. Co., contrs., East St. Louis, Ill.
, W. D., masons' & bldrs., matls., Quincy, Ill.
& Wenthe, numbering machines, stamps, stencils, etc., 108 N. Dearborn, Chicago, Ill.
, Wm., packing box mfr., 214 Quarry, Philadelphia, Pa.
, Wm., Co., batteries, rectifiers, vibrators, etc., 1644 Girard, Chicago, Ill.
, Wm. D., masons' & bldrs.' supplies, 301 Delaware, Quincy, Ill.
, Wm., Son, contractors, Arlington Height, Ill.
, Wilson & Co., cement importers, 454 California, San Francisco, Cal.
cord Co., transfer ornaments, advtg. signs, Cham. of om., Chicago, Ill.
lambers, W. H., architect, Navastota, Texas.
owitz, E. B., surgical instruments, 231 5th av, New York.
s, B. Frank, architect, 1033 Pack rd, Washington, D. C.
s Bros., brick, common, Azalia, Mich.
s Bros., plbrs. supplies, Charleston, W. Va.
s, Chas. B., arcitect, 1 Union sq, New York.
s, E. B., stone producers, Hanover, Pa.
s, F. Guy Co., contractors, 908 Chestnut, Philadelphia, Pa.
s, Fred J., Mfg. Co., ornamental wire, iron, brass & bronze ork, Hamilton, Ohio. *See adv index at end of book.*
s, H. J. & W. A., masons' & bldrs.' matls., Hooversville, a.
s, Henry H., architect, Kohl Bldg., San Francisco, Cal.
s, W. F., Diamond Saw Co., Bedford, Ind.
s, W. H., & Co., canned goods, Bryansville, Pa.
, Willard F., Co., gauges, tools, dies, jigs, automatic achine parts, etc., Bedford, Ind.
, Wm., Co., Ltd., contrs., 206 Quarry, Phila., Pa.
, Gerhardt F., contractor, 127 N. Dearborn, Chicago, Ill.
e, Frede J., architect, 84 Washington, Hoboken, N. J.
netti Ceasare, mason, Meriden, Conn.
Aterite Co., acid, cocks & valves, Paterson, N. J.
Foundry & Mfg. Co., Grey iron castings, Belleville, Ill.
Boiler Compound Co., 505 Elm, Cincinnati, Ohio.
Brass Fdry. Co., Dayton, Ohio
Canning Co., Lebanon, O.
Copper Co., 61 Broadway, New York.
Cycle & Mfg. Co., Middletown, Ohio.
Engng. Co., dies & jigs, Dayton, Ohio.
Fertilizer Co., Hamilton, Ohio.
Fdry. Co., Miamisburg, Ohio.
Garage, machinists, Miami, Fla.
Paper Co., West Carrollton, Ohio.
Stone & Gravel Co., 2103 Un. Cent. Bldg., Cincinnati, O.
Tool & Die Co., Dayton, Ohio

Miami Trailer Co., auto truck trailers, Troy, Ohio.
Miami Valley Paint Co., wood fillers, Dayton, Ohio.
Miamisburg Paper Co., Miamisburg, O.
Mianus Mfg. Co., plushers—horse blankets, Coscob, Conn.
Mianus Motor Wks., machinists & fdrs., Stamford, Conn.
Mica Crystal Co., mica quartz—grit, Concord, N. H.
Mica Insulator Co., insulating mtrl. mfrs., 68 Church, New York
Mica Mines Corp., 271 B'way, New York.
Mica Mfg. Co., 135 Johnson, Brooklyn, N. Y.
Michael Heating Co., Denver, Colo.
Michael, James, machinist, Lake Charles, La.
Michael, John M., canned goods, Aberdeen, Md.
Michael, M., & Bro., whol. hdwe., Paducah, Ky.
Michael Supply & Roofing Co., Talladega, Ala.
Michael, W. O., canned goods, Fountain Green, Md.
Michaelis, A. C., architect, Joplin, Mo.
Michaelis, Frederick H., architect, McGee Bldg., Kansas City, Mo.
Michael's Art Bronze Co., Covington, Ky.
Michaelsen, Christian S., archit., 80 E. Jackson blvd, Chicago, Ill.
Michaels, T. M., lumber manufacturers, Knoxville, Tenn.
Michaud, Elmer J., lathes, doges, Willimantic, Conn.
Michel Cooperage Co., wood barrels, Sandusky, O.
Michel, J. G., architect, 323 45th, Brooklyn, N. Y.
Michel, Louis & Son, scrap iron & steel, 560 Elk, Buffalo, N. Y.
Michel & Pfeffer, ornament'l iron, 1415-1431 Harrison, San Francisco, Cal.
Michelin Tire Co., Milltown, N. J.
Michelmann Steel Const. Co., boilers, stacks, tanks, etc., Quincy, Ill.
Michels, J. J., contractor, Houghton, Mich.
Michener, E. S., carbon removers, New Castle, Pa.
Michie, Andrew Y., hair cloth mfr., 5th & Columbia, Phila., Pa.
Michigan Alkali Co., chemicals, Wyandotte, Mich.
Michigan Ammonia Wks., ammonia concentrators, ft. Meldrum av, Detroit, Mich.
Michigan Bedding Co., mattresses, 262 Orleans, Detroit, Mich.
Michigan Bent Rim & Basket Mfg. Co., Lowell, Mich.
Michigan Bolt & Nut Wks., clamps, nuts, rivets, screws, &c., ft. of Meldrum, Detroit, Mich.
Michigan Brass & Iron Works, mchsts. & fdrs., Lansing, Mich.
Michigan Bridge & Pipe Co., steel structural wk., Lansing, Mich.
Michigan Builders' Supply Co., 208 E. Hancock, Detroit, Mich.
Michigan Carbon Works, bone black, 7 Forman, Detroit, Mich.
Michigan Carton Co., Battle Creek, Mich.
Michigan Cash Register Co., 85 Porter, Detroit, Mich.
Michigan Casket Co., 245 Rivard, Detroit, Mich.
Michigan Chair Co., piano benches, Grand Rapids, Mich.
Michigan Chemical Co., ethyl & wood alcohol, Bay City, Mich.
Michigan City Lumber & Coal Co., masons' & bldrs.' matls., Michigan City, Ind.
Michigan College of Mines, eng'ng schools & colleges, Houghton, Mich.
Michigan Copper & Brass Co., rods, rolling mill, tubing, wire brass, etc., 1611 W. Jefferson av, Detroit, Mich.
Michigan Cornices & Slate Works, 117 Fort, E., Detroit, Mich.
Michigan Crank Shaft Co., Lansing, Mich.
Michigan Desk Co., Grand Rapids, Mich.
Michigan Dredge Co., hoists, Bay City, Mich.
Michigan Electrochemical Co., blasting powder, chloride lime, caustic acid, etc., Menominee, Mich.
Michigan Elec. Welding Co., 514 Hart, Detroit, Mich.
Michigan Enameling Works, Kalamazoo, Mich.
Michigan Engine Valve Co., machsts., 115 Columbia, W., Detroit Mich.
Michigan Felting Co., mattresses, Kalamazoo, Mich.
Michigan Forge & Iron Wks., 30 Richmond av, Detroit, Mich.
Michigan Glass Works, 481 Franklin, Detroit, Mich.
Michigan Grey Iron Castings Co., fndrs., Harbaugh & C, Detroit, Mich.
Michigan Hardware Co., Grand Rapids, Mich.
Michigan Hearse & Motor Co., 1500 Union av, S. E., Grand Rapids, Mich.
Michigan Hoop & Stave Co., Marinette, Wis.
Michigan Knitting Co., Lansing, Mich.
Michigan Ladder Co., Ypsilanti, Mich.
Michigan Leather Packing Co., 110 Antonine, Detroit, Mich.
Michigan Lubricator Co., 3643 Beaubien, Detroit, Mich.
Michigan Lbr. Co., 929 E. St. Clair, Indianapolis, Ind.
Michigan Mach. Co., mfrs. metal products, 85 Porter, Detroit, Mich.
Michigan Machy. Mfg. Co., dies & drills, Ypsilanti, Mich.
Michigan Malleable Iron Co., journal boxes, Delray, Detroit, Mich.
Michigan Mfg. & Lumber Co., fact'y trucks, Holly, Mich.
Michigan Maple Block Co., Petoskey, Mich.
Michigan Metal Spinning & Mfg. Co., copper floats, 528 Woodridge, E., Detroit, Mich.
Michigan Milling Co., flour, Ann Arbor, Mich.
Michigan Motor Casting Co., Flint, Mich.
Michigan Motor Specialties Co., battery connectors, holders spark plugs, etc., 26 Dubois, Detroit, Mich.
Michigan Optical Co., 83 Beacon, Detroit, Mich.
Michigan Paper Co., Plainwell, Mich.
Michigan Paper Tube & Can Co., 9 Center, Detroit, Mich.
Michigan Paste & Mfg. Co., 711 Fort, W., Detroit, Mich.

Michigan Pattern & Mach. Works, 1085 Jefferson av, E., Detroit, Mich.
Michigan Pipe Co., underground & creosoted wood conduits, Bay City, Mich.
Michigan Plumbing Supply Co., 256 Jefferson av, Detroit, Mich.
Michigan Porcelain Insulator Co., Hastings, Mich.
Michigan Porcelain Cement Co., Chelsea, Mich.
Michigan Press Co., Ypsilanti, Mich.
Michigan Pressed Brick Co., 480 Lawton, Detroit, Mich.
Michigan Pressed Steel Co., 229 Artillery, Detroit, Mich.
Michigan Refining & Preserving Co., Menominee, Mich.
Michigan Safety Furnace Pipe Co., 113 Fort, E., Detroit, Mich.
Michigan Salt Works, Marine City, Mich.
Michigan Sanitary Cloth Co., wiping cloths, Kalamazoo, Mich.
Michigan Saw Co., Saginaw, Mich.
Michigan Scrap Iron Co., Ironwood, Mich.
Michigan Screw Co., Lansing, Mich.
Michigan Show Case Co., 480 Fort, W., Detroit, Mich.
Michigan Smelting & Refining Co., smelters & refiners of lead, tin, etc., also copper bearing by-products, 1695 Jos. Campau, Detroit, Mich.
*See adv index at end of book.*

MICHIGAN SMELTING & REFINING CO.

Michigan Sprocket Chain Co., Delray, Detroit, Mich.
Michigan Stamping Co., Mack & Outer Belt Line, Detroit, Mich.
Michigan State Agricultural College, eng'ng schools & colleges, Lansing, Mich.
Michigan Steel Boat Co., motor boats, Kercheval & Connors, Detroit, Mich.
Michigan Steel Casting Co., 248 Guoin av, Detroit, Mich.
Michigan Storage Battery Co., 69 Atwater, E., Detroit, Mich.
Michigan Stove Co., cooking & heating appliances, Adair & Jeff. E. Detroit, Mich.
Michigan Sugar Co., Saginaw, Mich.
Michigan Supply Co., mill, facty. & plumbers' supplies, Lansing, Mich.
Michigan Tanning & Extract Co., Petosky, Mich.
Michigan Tea Rusk Co., cereal foods, Holland, Mich.
Michigan Tool Co., 264 E. Jefferson, Detroit, Mich.
Michigan Trailer Co., auto. truck trailers, Kalamazoo, Mich.
Michigan Truck & Lumber Co., Holly, Mich.
Michigan Veneer Co., Alpena, Mich.
Michigan Washing Mach. Co., Muskegon, Mich.
Michigan Welding Co., Jackson, Mich.
Michigan Wheel Co., Grand Rapids, Mich.
Michigan Wire Cloth Co., monel metal wire, 500 Howard, Detroit, Mich.
*See adv. index at end of book.*
Michigan Wire Fence Co., Adrian, Mich.
Michigan Wire Goods Co., potato scoops & ground mole traps, Niles, Mich.
Michigan Wood Preserving Co., creosoting wks., Century Bldg., Pittsburgh, Pa.
Michler, Wm. M., architect, Easton, Pa.
Michlovitz & Co., scrap iron, Harrisburg, Pa.
Mickelson, A. A., & Son, masons' & bldrs.' matls., Black Earth, Wis.
Mickelson, A. P., contractor, 511 9th, E., Salt Lake City, Utah.
Mickelson, Carl P., masons' & bldrs.' matls., Mason, Mich.
Mickle, Geo. T., Lumber Co., 30 N. La Salle, Chicago, Ill.
Mickle, H. L., Lumber Co., 914 2d Nat. Bk. Bldg., Cincinnati, O.
Micro Piston Ring Co., 116 Nassau, New York.
Micrometer Balance Scale Co., balata & mchsts., Troy, N. Y.
Mid-City Plumbing Supply Co., 1105 S. Western, Chicago, Ill.
Mid-Co. Gasoline Co., Tulsa, Okla.
Middle Creek Coal Co., Prestonburg, Ky.
Middle Georgia Fertilizer Co., Dublin, Ga.
Middle States Constr. Co., 524 Hudson, Columbus, Ohio.
Middle States Oil Co., 848 B. of L. E. Bldg., Cleveland, Ohio.
Middle Tenn. Milling Co., flour, Tullahoma, Tenn.
Middle Valley Trap Rock & Mining Co., Middle Valley, N. J.
Middleburg Mills, tickings, Columbia, S. C.
Middleburg Stone Co., Elyria, Ohio.
Middlebury Marble Co., marble producers, Brandon, Vt.
Middleby-Marshall Oven Co., 769 W. Adams, Chicago, Ill.
Middleditch, Benj., buffing lathes, match plates, etc., Detroit, Mich.
Middleport Boiler Works, Middleport, O.
Middleport Brick Co., Middleport, Ohio.
Middlesex Aniline Co., Singer Bldg., New York.
Middlesex Machine Co., Lowell, Mass.
Middlesex Mach. Co., Inc., Middletown, Conn.
Middleton & Clark, masons' & bldrs.' matls., Highland Park, Ill.
Middleton Cooperage Co., lumber, Middleton, Mich.
Middleton, Howard W., Co., cement coated wire nails, 911 Callowhill, Philadelphia, Pa.
Middleton Union Warehouse Co., Middleton, Ga.
Middleton, Wm. B., architect, 110 W. Sidney av, Mount Vernon, N. Y.
Middletown Car Co., Middletown, Pa.
Middletown Coal Co., stone producers, Middletown, Conn.
Middletown Iron, Metal & Coal Co., Middletown, Pa.
Middletown Machine Co., see Willard Middletown Machine Co. (successors).



Middletown Machine Co., mchsts. & fndrs., Middletown, Ohio.
Middletown Milling Co., flour, Middletown, Va.
Mideka Supply Co., mill & facty. supplies, Oklahoma, Okla.
Midgeley, Geo., sashes, doors & blinds, Eugene, Ore.
Midgley & Prentice, Inc., machy. dlrs., 30 Church, New York.
Midland Brass Works, mchsts. & fndrs., Fort Worth, Tex.
Midland Bridge Co., Midland Bldg., Kansas City, Mo.
Midland Chemical Co., chloroform, Midland, Mich.
Midland Constr. Co., Lima, Ohio.
Midland Crusher-Pulverizer Co., 37 W. Van Buren, Chicago, I
Midland Cut Glass Co., 183 N. Wabash av, Chicago, Ill.
Midland Glass & Plaint Co., see Pittsburgh Plate Glass C (successors).
Midland Glue Co., Madison, Ind.
Midland Iron Wks., machsts., Billings, Mont.
Midland Knitting Mills, 1256 Clybourne av, Chicago, Ill.
Midland Linseed Products Co., 1254 Cham. of Com., Minneapolis, Minn.
Midland Lbr. Co., Tacoma, Wash.
Midland Mach. Co., fndry molding machines, 1218 Hasting Detroit, Mich.
Midland Metal Co., mchsts., 21st & Jefferson, Philadelphia, Pa.
Midland Metal Mfg. Co., Ottumwa, Ia.
Midland Petroleum Co., dealers, 111 W. Monroe, Chicago, Ill.
Midland Pottery Co., Zanesville, O.
Midland Steel Co., blast furnaces, Pittsburgh, Pa.
Midland Supply Co., baling presses, cigar lighters, etc., Davenport, Ia.
Midland Terra Cotta Co., 3 S. La Salle, Chicago, Ill.
Midland Tile Works, Midland, Mich.
Midmer, Reuben, & Son, organs, 375 Fulton, Brooklyn, N. Y.
Midnight Sun Packing Co., canned goods, Seattle, Wash.
Midvale Chemical Works, aniline oils, soap, etc., 610 Locust, S Louis, Mo.
Midvale Mining & Mfg. Co., cements, compounds, ferro-alloy etc., Central Nat'l Bk. Bldg., St. Louis, Mo.
Midvale Steel & Ordnance Co., Widener Bldg., Philadelphia, P
Midvalley Coal Co., Anthracite Land Title bldg., Phila., Pa.
Midway Milling Co., flour, Steeles Tavern, Va.
Mid-West Box Co., paper, Kokomo, Ind.
Mid-West Box Co., Conway bldg., Chicago, Ill.
Midwest Brass & Copper Co., Inc., brass and copper product 480 Broome, New York. *See adv. index at end of book.*
Mid-West Construction Co., Dwight Bldg., Kansas City, Mo.
Midwest Engine Co., air compressors & Diesel oil engine
Midwest Engineering & Equipment Co., ice machines, 617 Fu ton, Chicago, Ill.
Mid-West Fuel Co., coal mine, Henderson, Ky.
Mid-West Iron Works, Omaha, Neb.
Midwest Mfg. Co., machine tools, 1520 N. 13th, St. Louis, M
Mid-West Refining Co., petroleum & its products, Denver, Col
Miehle Printing Press & Mfg. Co., 14th & Robey, Chicago, Ill.
Miehpaul Mfg. Co., sweaters, etc., Orchard & Tradl., Phila., P
Mier Carriage & Buggy Co., Ligonier, Ind.
Mietz, August, Corp., engines, grey iron castings, pumps, et 430 E. 19th, New York.
Mifflinburg Body Co., auto bodies, Mifflinburg, Pa.
Mignon Wireless Corp., Elmira, N. Y.
Mihll & Allegretti, letter openers, Geneva, N. Y.
Mikesell Bros. Co., asbestos gloves, carbon brushes, etc., 1 N. La Salle, Chicago, Ill. *See adv. index at end of book.*
Mikesell & Co., canned goods, Traverse City, Mich.
Milam, B. C., & Son, fishing reels, Frankfort, Ky.
Milan Independent, advtg. nov., 107 3d, Milan, Ill.
Milance, Dominic, contractor, 213 E. 183d, New York.
Milbrandt Mfg. Co., rolling & trolley ladders, 2419 N. 10th, S Louis, Mo.
Milburn, Alex., Co., acetylene apparatus mfrs., 1420 W. Bal more, Baltimore, Md.
Milburn, Heister & Co., architects, Union Sav. Bk. Bldg., Washington, D. C.
Milburn Wagon Co., Toledo, Ohio.
Milbury Atlantic Mfg. Co., bathing suits, 543 B'way, New Yo
Milden Packing Co., canned goods, Sharps, Va.
Mildner & Eisen, architects, Hammond Bldg., Detroit, Mich.
Mildrum, W. W., Jewel Co., East Berlin, Conn.
Miles Bros., moving picture films, 1145 Mission, San Francis Cal.
Miles Bros. & Co., brushes, 1957 Pitkin av, Brooklyn, N. Y.
Miles Co., machsts., Jackson, Mich.
Miles, Franklins Co., screw mfrs., 205 Quarry, Phila., Pa.
Miles, Geo. W., chemists, 88 Broad, Boston, Mass.
Miles, Geo. W., Timber & Lbr Co., Arcade Bldg., St. Louis, M
Miles Heating & Ventilating Co., Park Bldg., Cleveland, O.
Miles, Jas., & Sons Co., contractors, 393 Main, Worcester, Ma
Miles Peach Bottom Slate Co., roofing slate mfrs., Delta, Pa.
Miles Planting & Mfg. Co., sugar refineries, Burnside, La.
Miles-Tighe Contr. Co., Easton, Pa.
Miles & Bradt Co., contractors, Austell bldg., Atlanta, Ga.
Miley Soap Co., Providence, R. I.
Milford Canning Co., Milford, Ill.
Milford Iron Foundry, Milford, Mass.
Milford Lbr. Co., Milford, Del.
Milford Pink Granite Co., Milford, Mass.
Milford Pink Victoria White Granite Co., 405 Lexington New York
Milford Tool & Engng. Co., special tools for munition make Milford, Conn.

d, W., contractor, Calumet, Mich.
upt Co., carriages, Appleton, Wis.
lland, Geo., brick, Franklin, La.
lland, J. & J. B., Co., mchsts. & fdrs., 714 5th av, Pittsurgh, Pa.
Engng & Constr Co., Waterbury, Conn.
Hall Brick Wks., Mill Hall, Pa.
& Mine Supply Co., 317 1st, Seattle, Wash.
& Mine Supply Co., Akron, O.
temnants Co., polishing cloths, 19 Bond, New York.
hoals Canning Co., Mill Shoals, Ill.
Shoals Cooperage Co., Mill Shoals, Ill.
pecialties Co., mill & factory supplies, Westfield, Mass.
Supply Co., Greenville, S. C.
Supply Co., machy. dlrs., Troy, N. Y.
Supps., trade publication, 537 S. Dearborn, Chicago, Ill.
, Allison R., contractor, Bay City, Mich.
, Chas., & Son Co., whol. hdwe. & plumbers', mill & facty. upplies, etc., Utica, N. Y.
H. T. architect, Lightner bldg., Detroit, Mich.
, Louis du P., architect, Pasadena, Cal.
Wm. M., architect, 333 4th av, New York
d, Geo. P., Co., scrap iron, 26 Elwood Blvd., Rochester, . Y.
d, H. E., stone producers, Annville, Pa.
d, J. W., & Bro., naval architects, 17 State, New York.
d, Jas., & Son, mchsts, & fndrs., Kingston, N. Y.
d Lumber Co., New Hamburg, N. Y.
ro Lbr. Co., Johnston, Pa.
urne, L. M., canned goods, Kingston, Md.
idge Packing Co., Millbridge, Me.
ook Co., contractors, 481 Morris Park av, New York.
ook Linen Wks., Inc., towels, Millbury, Mass.
ry Machine Co., Millbury, Mass.
ry Steel Foundry Co., steel castings, Millbury, Mass.
Screw & Mach. Co., Sayre, Pa.
geville Brick Works, Milledgeville, Ga.
geville Oil Mills, Atlanta, Ga.
, A., & Co., plate glass, 26 Kneeland, Boston, Mass. (tr.)
Fertilizer Co., Millen, Ga.
Portland Cement Co., Jamesville, N. Y.
, A. G., cooking apparatus, coffee udns, etc., 108 Centre, ew York.
A. J., Four Point Hay Fork Co., Albion, Ill.
A. J., & Co., auto. metal bodies, Bellefontaine, Ohio.
A. L., Co., sash, door & blind, Conshohocken, Pa.
A. N., Saw Mill Co., ties, poles & posts, Seattle, Wash.
A. W., Mfg. Co., wood mortising machines, 3542 Liston , Cinncinnati, O.
Alex., stone, Chester, Pa.
Anchor Co., Norwalk, Ohio.
, B. F., transformers, Trenton, N. J.
B. P., contractor, North Vernon, Ind.
Baker & Strengson Building Co., U. T. Bldg., Detroit, ich
& Bauer, contractors, Panama Bldg., Portland, Ore.
Bonner & Co., soap, St. Louis, Mo.
Brent Lbr. Co., Poly, Ala.
Bros., cornices & skylights, Milwaukee, Wis.
& Borcherding, contractors, Frisco Bldg., St. Louis, Mo.
Broom Co., La Crosse, Wis.
Bros., auto. bodies, Amesbury, Mass.
Bros., contractors, Shelbyville, Ky., & Youngstown, Ohio.
Bros., sash, door & blind, Lebanon, Pa.
Bros. & Co., metal polish, 894 B'way, New York.
Bros. Cutlery Co., ink erasers, knives & steel pens, eriden, Conn.
Bros. Hardware Co., Richmond, Ind.
Bros. Lumber Co., Bellingham, Wash.
Bryant-Pierce Co., typewriter ribbons, carbons, etc., urora, Ill.
Butterworth Co., contrs., Little Rock, Ark.
C. Brownlow, machsts., Canton, Ohio.
C. C., architect, Washington, N. C.
C. F., masons' & bldrs.' matls., Bedford, Ohio.
C. H., architect, Call Bldg., San Francisco, Cal.
C. H., Hardware Co., Huntingdon, Pa.
C., & Son, cornices, Fort Wayne, Ind.
C. W., & Co., meat packers, Newark, Ohio.
Cabinet Co., Rochester, N. Y.
& Chaffee, architects, Jefferson City, Mo.
Chas., wrenches, Syracuse, N. Y.
Chas. A., Co., plumbers' wood work, pipes, etc., Sturgis, ich.
Chas. E., contr., Galesburg, Ill.
Chas. E., rubber goods, tires, etc., Anderson, Ind.
Chas. E., archit., 116 Nassau, New York.
Chas. E., spark plugs, auto horns, 97 Reade, New York
Chas. E., Brick Mfg. Co., York, Pa.
Chas. R., Co., contractors, 556 Suzette, Memphis, Tenn.
Chemical Engine Co., fire extinguishers, 839 Larrabee. icago, Ill.
Chemical Engine Co., mchsts. & fdrs., 1411 W. 9th, Clevend, Ohio.
Chester H., architect, 1st Sav. Bk. Bldg., Oakland, Cal.
City Tile Co., Miller City, Ohio.
Clarence A., architect, 1738 Lamont av, Washington, C.

Miller, Clifford L., masons' & bldrs.' matls., 280 Madison av, New York.
Miller, Clyde, architect, 112 W. Adams, Chicago, Ill.
Miller & Co., buffing & polishing wheels, 12 William, Newark, N. J.
Miller Constr. Co., Empire buldg., Pittsburgh, Pa.
Miller, Cooper Ink Co., printing inks, Kansas City, Mo.
Miller & Coulson, masons' & bldrs.' matls., Diamond Bk. Bldg., Pittsburgh, Pa.
Miller & Cramer, fertilizer mfrs., Woodsboro, Md.
Miller & Crowningshield, bench milling machs., Greenfield, Mass.
Miller, D. C., stone producers, Newburgh, N. Y.
Miller, D. H., & Co., canned goods, Moneta, Va.
Miller, Dan, Buggy Co., carriages, Alton, Ill.
Miller, David, stone producers, wkrs. & dlrs., 315 E. 103d, New York.
Miller & Devore Lumber Co., sash, door & blind, Meadville, Pa.
Miller & Doing, roof'g tile, metals, etc., 60 York, B'klyn, N. Y.
Miller, Du Brul & Peters Mfg. Co., cigar & cigarette machy., 507 E. Pearl, Cincinnati, Ohio
Miller & Dyatt Co., contractors, 47 W. 34th, New York.
Miller, E. A., architect, 1816 Royal av, Portland, Ore.
Miller, E. H., cornices, Easton, Pa.
Miller, E. L., fertilizer mfrs., Washington, C. H., Ohio.
Miller, E. M., Co., carriages, Quincy, Ill.
Miller, E. S., barrows, Stanwood, Ohio.
Miller, Earl F., architect, Manitowoc, Wis.
Miller, Edw., & Co., lamp burners, lamps, oil stoves, etc., Meriden, Conn.
Miller, Edw., Cornice & Roofing Co., Tacoma, Wash.
Miller Engine Co., marine gasoline, 2329-31 N. Talman av, Chicago, Ill.
Miller Engine & Foundry Wks., 2652 Long Beach av, Los Angeles, Cal.
Miller, Enoch, sash, door & blind, Mifflinburg, Pa.
Miller-Enwright Co., wholesale hdwe. & plumbers' supplies, Sacramento, Cal.
Miller, F. H., contr., Louisville, Ky.
Miller, F. W., Heating Co., McCormick Bldg., Chicago, Ill.
Miller Fertilizing Co., Md. Life Bldg., Baltimore, Md.
Miller Fibre Products Co., cans, 33 W Kinzie, Chicago, Ill.
Miller Fdry. Co., Uniontown, Pa.
Miller Fdry. & Specialty Co., North Tonawanda, N. Y.
Miller, Francis M., archit., De Land, Fla.
Miller, Frank, Co., harness oils, soap & dress'g, dyes, polishes, etc., 349 W. 26th, New York
Miller, Frank, Lbr. Co., Bridgeport, Conn.
Miller, Frank P., contractor, Columbia, Mo.
Miller, Frank P., fertilizer mfrs., Springtown, Pa.
Miller, Frank P., Paper Co., box board mfrs., East Downington, Pa.
Miller, Franklin, Bassett & Co., efficiency engrs., 347 Madison av, New York.
Miller, Fred R., Blank Book Co., pads, Williamsport, Pa.
Miller, Fullenwider & Dowling, architects, 6 N. Michigan, Chicago, Ill.
Miller Furnace Co., Grand Rapids, Mich.
Miller G. A. contrs, Tampa, Fla.
Miller, G. L., cooperage stock, Java, N. Y.
Miller, G. W., Shingle Co., lumber, Acme, Wash.
Miller, Geo. B., architect, Grand Rapids, Wis.
Miller, Geo. H., architect, Bloomington, Ill.
Miller, Geo. H., landscape architect, 6 Beacon, Boston, Mass.
Miller, Geo. H., masons' & bldrs.' matls., Grand Rapids, Ohio.
Miller, Geo. H., motor boat bldrs., Patchogue, N. Y.
Miller, Geo. L., architect, 13 S. 3d av, Mount Vernon, N. Y.
Miller, Geo. T., contractor, Lebanon, Ind.
Miller & Gleason, carriages, Newport News, Va.
Miller & Graham, enamels, paints, etc., 21 S. Gay, Baltimore, Md.
Miller, H. A., & Co., lumber, Williamsport, Pa.
Miller H. C., fertilizer mfr., Lula, Ga.
Miller, H. C., machsts., Waterford, N. Y.
Miller, H. M., architect, Roanoke, Va.
Miller, H. N., brick, Pleasantville, Ohio.
Miller, H., & Sons Co., contractors, May Bldg., Pittsburgh, Pa.
Miller Hdwe. Co., whol., Olean, N. Y.
Miller, Harry A., Mfg. Co., see Miller Engine & Foundry Wks (successors)
Miller & Hart, meat packers, Union Stock Yards, Chicago, Ill.
Miller, Hy., steam & hot water htg. contr., 384 E. 144th, New York.
Miller, Hy. F., & Sons Piano Co., 395 Boylston, Boston, Mass.
Miller, Hy. R., cornices, Easton, Pa.
Miller & Herlocker, machsts., Los Angeles, Cal.
Miller, Herman, architect, Crozer Bldg., Philadelphia, Pa.
Miller & Hoy Mfg. Co., galvanized steel tanks, Kendallville, Ind.
Miller Improved Gas Engine Co., Springfield, Ohio.
Miller, Isaac J., cornices, 1926 S. Colorado, Philadelphia, Pa.
Miller J. architect, 10111 Euclid av, Cleveland, Ohio
Miller, J., cornices, Allentown, Pa.
Miller, J. A., archit., Title Guarantee Bldg., Birmingham, Ala.
Miller, J. A., brick, Bascom, Ohio.
Miller, J. A., & Bro., cornices, 427 N. Ashland, Chicago, Ill.
Miller, J. A., Co., acetyl salicylic acid, 233 B'way, New York.
Miller, J. B., architect, Lincoln, Neb.
Miller, J. B., Keyless Lock Co., Kent, O.

Miller, J. D., mach'y dlrs., 39 Cortlandt, New York.
Miller, J. D. & J. L., flour mills, Millersburg, Ohio.
Miller, J. E., & Co., carriages, Columbus, Ga.
Miller, J. E., & Co., cutters, 330 W. Kinzie, Chicago, Ill.
Miller, J. F., & Bro., common brick, Bellingham, Wash.
Miller, J. H., contractor & sash, door & blind mfr., North Vernon, Ind.
Miller, J. Henry, Inc., contractor, cor. Eutaw & Franklin, Baltimore, Md.
Miller, J. L., granite, S. Quincy, Quincy, Mass.
Miller, J. M., architect, Old Arcade, Cleveland, Ohio.
Miller, J. M., flour mills, Ronceverte, W. Va.
Miller, J. M., Co., advtg. spec., 764 8th, Milwaukee, Wis.
Miller, J. R., architect, Lick Bldg., San Francisco, Cal.
Miller, J. S., Machy Co., mill & facty. supplies, 3 Wood, Pittsburgh, Pa.
Miller, J. W., Co., incubators & brooders, Rockford, Ill.
Miller, J. Walter, Co., hardware mnfrs., Lancaster, Pa.
Miller, Jacob, carriages, Palmyra, Pa.
Miller, Jas. G., Lumber Co., 11 S. La Salle, Chicago, Ill.
Miller, Jas. S., powder mfrs., Sumneytown, Pa.
Miller, Jesse E., machsts. & fndrs., North Manchester, Ind.
Miller, John, contractor, Bldrs.' & Traders' Exc., Cincinnati, O.
Miller, John, lumber, Rochester, N. Y.
Miller, John A., ale beer pumps, 600 Bergen av, New York.
Miller, John K., Co., sheet steel work, Seattle, Wash.
Miller, John Lawson, architect, Goebel Bldg., Detroit, Mich.
Miller, Jno., Saddlery Co., Louisville, Ky.
Miller, John W., & Son, contractors, Alliance, O.
Miller, Jos., coal mine, 55 Liberty, New York.
Miller, Jos., mill & facty. supplies, 374 Atlantic av, Boston, Mass.
Miller, Jos. A., architect, Ashland blk, Chicago, Ill.
Miller, Jos. B., chemicals, dyes & colors, Finance Bldg., Phila., Pa.
Miller, Jos., & Sons, lbr. & masons' & bldrs.' matls., Peoria, Ill
Miller, Judson J., & Son, contrs., Syracuse, N. Y.
Miller, Julius W., machsts., So. Norwalk, Conn.
Miller, L. J., agricultural implements, 1223 Harrison av, Cincinnati, Ohio.
Miller, L. L., landscape architect, 143 Liberty, New York.
Miller, L. Z., contractor, Akron, Pa.
Miller-Lampert Co., masons' & bldrs.' matls., Iowa Falls, Ia.
Miller, Lewis A., contr., Meriden, Conn.
Miller Light & Fixture Co., 815 Gratiot av, Detroit, Mich.
Miller Lightning Rod Co., 3d & Geyer av, St. Louis, Mo.
Miller Lime & Cement Co., Alton, Ill.
Miller-Link Lumber Co., Orange, Tex.
Miller Lock Co., mfrs., 4523 Tacony, Philadelphia, Pa.
Miller, Louis, common brick, Highland, Ill.
Miller, Louis E., machsts. & fndrs., Houston, Tex.
Miller Lumber Co., 893 Eagle, Buffalo, N. Y., & Marianna, Ark.
Miller Lbr. Co., sash, door & blind mfrs., Appleton, Wis.
Miller Lbr. Co., Sapa, Miss.
Miller, Lyman M. (Est. of), varnish, Chelsea, Mass.
Miller & McLean, mill & facty. supplies, 120 Liberty, New York.
Miller Mach. & Mould Works, Columbus, Ohio.
Miller Mfg. Co., cotton sheetings, Taylorsville, N. C.
Miller Mfg. Co., handles, Hicksville, O.
Miller Mfg. Co., oils, soap, etc., 668 Eddy, Providence, R. I.
Miller Mfg. Co., refrigerators, 8000 Alabama av, St. Louis, Mo.
Miller Mfg. Co., sash, door & blind mfrs., Richmond, Va.
Miller Mfg. Co., spark plugs, Peekskill, N. Y.
Miller Mfg. Co., washing machs., Meyersdale, Pa.
Miller, Mark P., Milling Co., flour, Moscow, Idaho.
Miller, Martin C., architect, 52 Niagara, Buffalo, N. Y.
Miller & Mayo, architects, 465 Congress, Portland, Me.
Miller, M. H. & Sons, Mill Co., lbr., Van Buren, Wash.
Miller & Morrow, machsts., Sunnyside, Wash.
Miller, N. C., & Son, hay loaders, Dodgeville, Wis.
Miller, N. H., canned goods, Pleasantville, Ohio.
Miller, Nathan, & Sons, Ltd., steam fitters' supps., Fall River, Mass.
Miller-Newar Co., mill & facty. supplies, plbrs. supplies, 3302 Ogden av, Chicago, Ill.
Miller, O. A., Slate Co., Slatington, Pa.
Miller, O. A., Treeing Machine Co., Brockton, Mass.
Miller Organ & Piano Co., Lebanon, Pa.
Miller, Orville J., mchsts. & fndrs., Bergen, N. Y.
Miller, Otho H., archit., McLachlen Bldg., Washington, D. C.
Miller, Owen, Elec. Co., machy., Lexington av & Thomas blvd, Pittsburgh, Pa.
Miller & Parsons, feed & flour mills, Corry, Pa.
Miller Pasteurizing Machine Co., Canton, Ohio.
Miller & Piehl, lumber & masons' & bldrs.' materials, Seymour, Wis.
Miller, R. N., machsts. & fndrs., Liberty, Pa.
Miller-Reed Co., contractors, 103 Park av, New York.
Miller & Rellium Co., harrows (toothless), College Corner, Ohio.
Miller Rubber Co., tires, druggists 'sundries, etc., Akron, Ohio.
Miller, S. E., contractor, Connersville, Ind.
Miller, S. W., Piano Co., Sheboygan, Wis.
Miller Safe Co., Fremont av & Briscoe, Baltimore, Md.
Miller Saw-Trimmer Co., automatic press feeders & lighting fixtures, Point bldg., Pittsburgh, Pa.
Miller & Short, see Miller & Dunn (successors)
Miller & Smith, carriages, Sidney, Ohio.
Miller & Son, architects, Dollar Savings Bk. Bldg., Youngstown, Ohio.



Miller & Stein, wholesale hardware, Wheeling, W. Va.
Miller Storage Battery Co., Toledo, Ohio.
Miller Supply Co., mine, mill & factory supplies, railroad con Huntington, W. Va.
Miller, T. B., Co., masons' & bldrs.' matls., Summit, N. J.
Miller, T. Frank, architect, 1012 Walnut, Philadelphia, Pa.
Miller, T. G., & Sons, confetti, Ithaca, N. Y.
Miller, T. J., lbr., Orange Grove, Miss.
Miller, T. M., Co., coffins, caskets, etc., Scranton, Pa.
Miller, T. R., Mill Co., lbr., Brewton, Ala.
Miller, T. T., Hardware Co., Easton, Pa.
Miller, Thos. C., mach'y dlrs., 78 Bible House, New York.
Miller, Thomas D., canned goods, Havre de Grace, Md.
Miller, Thos. E., contractor, Youngstown, O.
Miller, Thos. S., machsts. & fndrs., Andes, N. Y.
Miller, Thompkins & Co., paper bags, 485 Washington, N York.
Miller Trolley Shoe Co., W. Newton, Boston, Mass.
Miller-Ullen & Carter Hardware Co., Dexter, Mo.
Miller & Van Winkle, mfrs. of all kinds of springs, 18 Brid Brooklyn, N. Y.
Miller & Videe Lbr. Co., Beaumont, Texas.
Miller, W. B., & Co., lumber, Salisbury, Md.
Miller, W. B., & Son, wholesale hardware, contractors & machi ists' tools & mill factory supplies, Springfield, Ill.
Miller, W. E., phosphorum copper, 17 State, New York.
Miller, W. F., mill & factory supplies, Barberton, O.
Miller, W. H., cornices & skylights, Galveston, Tex.
Miller, W. H., machst. & fndr., Bridgewater, Va.
Miller, W. H., & Son, flour mills, Warm Springs, Va.
Miller, W. H., & Sons, masons' & bldrs.' matls., Madison, Ind.
Miller, W. J., architect, 417 Market, San Francisco, Cal.
Miller, W. L., contractors, 171 Alford, Boston, Mass.
Miller, W. R., Co., furnaces, House Bldg., Pittsburgh, Pa.
Miller Wagon Co., Edina, Mo.
Miller Waste Mfg. Co., Snyder & Swanson, Philadelphia, Pa.
Miller, Wm., willow ware mfrs., Liverpool, N. Y.
Miller, Wm. A., Machine & Elevator Mfg. Co., 1000 N. Ma St. Louis, Mo.
Miller, Wm. C., architect, 204 N. Karlir av, Chicago, Ill.
Miller, Wm., Co., wool combs, 228 Aborn, Providence, R. I.
Miller, Wm. G., contractor, 16 Bedford av, Brooklyn, N. Y.
Miller, Wm. Henry, archits., Sage blk, Ithaca, N. Y.
Miller, Wm. L., dock bldrs., Charlestown, Boston, Mass.
Miller, Wm. P. architect, 870 Broadway, New York.
Miller, Wm. P., Co., lubricating oils, 2316 S. Wabash av, Ch cago, Ill.
Miller, Wm. P., Co., oils, machsts. & fndrs., 250 Greene, Broo lyn, N. Y.
Miller, Wm., Range & Furnace Co., 125 E 5th, Cincinnati, O.
Miller, William S., contractor, Harrisburg, Pa.
Miller, Wm., & Sons Co., contrs. See Miller Const. Co. (su cessor).
Miller, Wm. W., machst., Shillington, Pa.
Miller-Wilson Lbr. Co., Mineral, Wash.
Miller Wire Cloth Co., weavers of sieve & strainer cloth, 70 Co mercial, Worcester, Mass.
Miller Wire Spring Department Bridgeport Chain Co., wi springs of all kinds, mfrs., 964 Crescent av, Bridgepo Conn.
Miller, Wooley & Evans, architects, Vermont bldg., Salt La City, Utah.
Miller & Chittim, elec. contrs., Norwalk, Conn.
Miller & Dunn, lumber mfrs., Cle Elum, Wash.
Miller & Stewart, architects, Jenkins Arcade, Pittsburgh, Pa.
Miller's, A. B., Sons, machsts. & fndrs., Stonington, Conn.
Miller's, A. D., Sons Co., oils, Columbus & Preble, Pittsburg Pa.
Millers Falls Co., electricians' drills, Millers Falls, Mass.
Millers Falls Co., mchsts. & fndrs., 28 Warren, New York.
Millers Falls Paper Co., Millers Falls, Mass.
Millers', H. J., Sons, nail mill mchy., Bridgewater, Mass.
Miller's, J. F., Sons, carriages, Vincennes, Ind.
Millers Milling Co., flour, Enid, Okla.
Millersburg Brick & Tile Co., Millersburg, Ohio.
Millersburg Fifth Wheel Co., Millersburg, Pa.
Millersburg Fdry. & Machine Works, Millersburg, Ohio.
Millett Core Oven Co., Springfield, Mass.
Milleville Bros., cornices, 679 Kercheval av, Detroit, Mich.
Millford Mfg. Co., boards & brushes, Mansfield, Ohio.
Millgard, D., & Co., marble interior work, Colfax, Wash.
Millheiser, E. L., brass fndrs., New Albany, Ind.
Millhiser Bag Co., Richmond, Va.
Millholen, B. D., mattresses, Cedar Rapids, Ia.
Millholland, W. K., Machine Co., lathes & screw machines, I dianapolis, Ind.
Millhouse Bros. & Co., hardware, wholesale, Galena, Ill.
Milliard, Julian, architect, Altoona, Pa.
Milligan, C. W., architect, 7449 Church, Pittsburgh, Pa.
Milligan, Chas., architect, Wilson, Wood & Roes, Pittsburgh, P
Milligan Hardware & Supply Co., East Liverpool, O.
Milligan & Higgins Glue Co., 222 Front, New York.
Milligan, Madison L., fndr., New Albany, Ind.
Milligan & Nesbitt, masons' & bldrs.' matls., Seattle, Wash.
Millikan, Lynn B., Inc., contractor, 1556 Lemcke annex, Indi apolis, Ind.
Milliken, B. F., & Son, tin plate, etc., Eastport, Me.
Milliken, James, Hardwood Lbr. Co., Arkadelphia, Ark.
Milliken-Kellam Co., screens, Newton, N. J.
Milliken, L. W., & Son, mill facty. supplies, Franklin, Mass.

ken Mach. Works, turret heads, West Newton, Mass.
ken Refining Co., petroleum & its products, Merchants' Exch. Bldg., St. Louis, Mo.
ngton & Bradshaw, machsts., 69 N. J. R. R. av, Newark, N. J.
nocket Fndry. & Mach. Co., Millinocket, Me.
on Bros., brick tile, Attica, O.
nade Const. Co., portable houses, 548 Water, Portland, Ore.
nan, L. N., Stoll Bldg., Troy, N. Y.
nan, S., & Son, architects, 1780 Pitkin av, Brooklyn, N. Y.
er, Frank, scrap iron, Trenton, N. J.
, Pellegrino, & Son, contrs., 85 Steuben, Bridgeport, Conn.
tt & Parker, architects, Sandusky, O.
A. D., lumber, Ramer, Ala.
, Andrew & Sons, tent contr., flag mfrs., yacht sails, etc., 53 South, New York.
Bros., masons' & bldrs.' matls., Carbondale, Pa. & Springfield, Ohio.
Bros. Co., mfg. chemists, 327 W. 3rd, Cincinnati, O.
C. E., Oil Co., Syracuse, N. Y.
Carleton Co., lbr., 1886 Carter rd, N. W., Cleveland, Ohio.
& Co., granite, Montpelier, Vt.
Ellsworth Co., automobiles, poles & shafts, Keokuk, Ia.
Elmer D., stone prod., Far Rockaway, N. Y.
Eugene D., brick, Hartford, Conn.
G. A., & Son, contractors, Benton Harbor, Mich.
Geo. A., architect, Morristown, N. J.
Geo. A., Woodworking Co., sashes, doors & blinds, Morristown, N. J.
H. E., Mfg. Co., core compounds, Syracuse, N. Y.
H. W., & Co., whol. hdwe., mill, facty. & steam fitters' supplies, 59 Washington, Paterson, N. J.
Harry C., elec. contr., Unionville, Conn.
Herbert L., mill & facty. supplies, New Britain, Conn.
Iron Wks., 927 N. Main, Los Angeles, Cal.
J. C., Co., architect'l decorators, 44 Clinton, Bklyn, N. Y.
J. Layng, architect, 15 E. 40th, New York.
Jos. E., & Son, architects, Kresge Bldg., Detroit, Mich.
L. H., Co., steam fitters' supplies, Bridgeport, Conn.
& Lupton Supply Co., mill & factory supplies, Chattanooga, Tenn.
Lyman D., Co., steam fitters' supplies, Middleton, Conn.
& McClintock, steam fitters' supplies, Haverhill, Mass.
Machine Co., Lawrence, Mass. & Vanburen, Ind.
Mfg. Co., savers (gasoline fuel), Sabina, Ohio.
& Millspaugh Co., archits., Marshall bldg., Cleveland, O.
N. Lumber & Mfg. Co., sash, door & blind, St. Clair, Mich.
Novelty Co., machsts. & fndrs., 221 S. Green, Chicago, Ill.
& Ott, sash, door & blind mfrs., 216 George, Cincinnati, O.
R. C., advtg. nov. & spec., 525 Market, San Fran., Cal.
Rhines, Bellman & Nordoff, architects, Ohio Bldg., Toledo, Schofield Bldg., Cleveland, Ohio.
Thos., & Bro., bakers & confec. machy., Thompson & 8th, Phila., Pa.
& Van Kirk, architects, Harrison Bldg., Phila., Pa.
W. A., Brass Co., Port Chester, N. Y.
W. J., brass & bronze fndrs. & machsts., 25 Bainbridge, Brooklyn, N. Y.
Wilbur T., Co., see Mills & Millspaugh Co. (successors).
Woven Cartridge Belt Co., Worcester, Mass.
p & Dickey, lbr., White Salmon, Wash.
pa, T. H. & P. E., contrs, Birmingham, Ala.
wn Mfg. Co., chemicals, Milltown, N. J.
lle Bottle Wks., glass, Millville, N. J.
le Mfg. Co., cotton sheetings, 626 Chestnut, Phila., Pa.
ne, H. B., & Co., machsts., Toledo, Ohio.
e, Alex. J., contractor, 83 Littleton av, Newark, N. J.
A., & Co., iron & steel imp., 741 Washington, New York.
Alexander, contractor, Plainfield, N. J.
Alex, Granite Co., Barre, Vt.
& Chalmers, granite, S. Quincy, Quincy, Mass.
& Hector, granite, S. Quincy, Quincy, Mass.
Mfg. Co., agricultural implements, Monmouth, Ill.
Wm. Granite Co., Barre, Vt.
Mfg. Co., machsts., Gerard, Pa.
, Warren H., architects, Haight Bldg, Seattle, Wash.
Jno. Co., contractors, Richmond av, Port Richmond, N. Y.
& Goedman, steel imp., 17 Bridge, New York
Constr. Co., 800 Broad, Newark, N. J.
id Mfg. Co., cotton duck & canvas, Milstead, Ga.
berg Emil, ivory imprtrs, 563 B'way, New York
ex Display Fix. Co., 918 N. 10th, St. Louis, Mo.
Boat Wks., dry docks, Rye, N. Y.
Brick Co., Milton, Pa.
Brick Co., Milton, Pa., & 47 W. 34th, New York.
Chemical Co., dustless floor mops & dustless dust cloths, 6 Sixth, Cambridge, Mass.
Cork Co., 42 Wilson, Brooklyn, N. Y.
Fertilizer Co., Milton, Del.
Leather Board Co., Milton, N. H.
Mfg. Co., carriages, Milton, Ind.
Mfg. Co., rolling mill, Milton, Pa.
Mill Co., flour, Milton, N. C.
Piano Co., 772 12th av, New York
S. G. & Son, cranes machinery, Franklin, Pa.
n, W. E., architect, Albany Bldg., Oakland, Cal.
kee Air Power Pump Co., water supply systems, 886 3rd, lwaukee, Wis.

Milwaukee Aluminum & Brass Fndry. Co., 295 Reed, Milwaukee, Wis.
Milwaukee Auto. Engine & Supply Co., 841 29th, Milwaukee, Wis.
Milwaukee Auto. Specialty Co., 711 Chestnut, Milwaukee, Wis.
Milwaukee Bag Co., cotton, burlap, jute bags, etc., 206 S. Water, Milwaukee, Wis.
Milwaukee Bedding Co., 292 4th, Milwaukee, Wis.
Milwaukee Boiler Co., 220 Oregon, Milwaukee, Wis.
Milwaukee Brass Mfg. Co., 251 Lapham, Milwaukee, Wis.
Milwaukee Brewers' Specialty Co., 1919 St. Paul av, Milwaukee, Wis.
Milwaukee Bridge Co., steel structural work, 1400 34th, Milwaukee, Wis.
Milwaukee Bronze Casting Co., 119 Clinton, Milwaukee, Wis.
Milwaukee Brush Mfg. Co., Milwaukee, Wis.
*See adv. index at end of book.*
Milwaukee Building Co., Wright & Callender Bldg., Los Angeles, Cal.
Milwaukee Bldg. Supply Co., masons' & bldrs.' matls., 425 E. Water, Milwaukee, Wis.
Milwaukee Button Co., 710 Merrill blvd., Milwaukee, Wis.
Milwaukee Casket Co., 54 15th, Milwaukee, Wis.
Milwaukee Chair Co., 3022 Center, Milwaukee, Wis.
Milwaukee Coke & Gas Co., coke mfrs., 425 E. Water, Milwaukee, Wis.
Milwaukee Concrete Mixer Co., 955 30th, Milwaukee, Wis.
Milwaukee Cork Grinding Mach. Co., 667 12th, Milwaukee, Wis.
Milwaukee Corrugating Co., sheet metal building products, Milwaukee, Wis.
Milwaukee Counter Co., 246 Pearson, Milwaukee, Wis.
Milwaukee Die Casting Co., 297 4th, Milwaukee, Wis.
Milwaukee Dry Dock Co., ft. Washington, Milwaukee, Wis.
Milwaukee Dustless Brush Co., 22nd & Sycamore, Milwaukee, Wis.
Milwaukee Elec. Crane & Mfg. Co., 60th & Greenfield av, Milwaukee, Wis.
Milwaukee Electric Ry. & L. Co., Public Service Bldg., Milwaukee, Wis.
Milwaukee Falls Lime Co., Milwaukee, Wis.
Milwaukee Flush Valve Co., 1017 Clybourn, Milwaukee, Wis.
Milwaukee Gas & Elec. Fixture Co., 1910 Fond du Lac, Milwaukee, Wis.
Milwaukee Gas Light Co., 182 Wisconsin, Milwaukee, Wis.
Milwaukee Gas Specialty Co., lighters, 2017 Clybourn, Milwaukee, Wis.
Milwaukee General Construction Co., 857 8th av, Milwaukee, Wis.
Milwaukee Gummed Label & Seal Co., labels (gummed & plain), 161 Michigan, Milwaukee, Wis.
Milwaukee Hay Tool Co., agr. imp. mfrs., Layton Park, Milwaukee, Wis.
Milwaukee Heater Mfg. Co., 458 11th av, Milwaukee, Wis.
Milwaukee Label & Seal Co., 161-71 Michigan, Milwaukee, Wis.
Milwaukee Lace Paper Co., paper cups, 500 Lee av, Milwaukee, Wis.
Milwaukee Land Co., lbr., St. Joe, Idaho.
Milwaukee Leather Belting Co., 146 W. Water, Milwaukee, Wis.
Milwaukee Locomotive Mfg. Co., ft. Belleview pl., Milwaukee, Wis.
Milwaukee Lbr. Co., St. Maries, Idaho.
Milwaukee Malleable & Grey Iron Wks., Layton Pk., Milwaukee-Wis.
Milwaukee Metal Working Co., small mach. & engine parts, 383 Clinton, Milwaukee, Wis.
Milwaukee Mirror & Art Glass Wks., 203 B'way, Milwaukee, Wis.
Milwaukee Motor Sales Co., 1802 North av, Milwaukee, Wis.
Milwaukee Ornamental Carving Co., 423 Poplar, Milwaukee, Wis.
Milwaukee Paper Box Co., 712 So. Pierce, Milwaukee, Wis.
Milwaukee Piano Mfg. Co., 270 W. Water, Milwaukee, Wis.
Milwaukee Reliance Boiler Wks., 1102 32d, Milwaukee, Wis.
Milwaukee River Canning Co., Thiensville, Wis.
Milwaukee Sand & Gravel Co., 779 N. Water, Milwaukee, Wis.
Milwaukee Seat & Tank Co., Milwaukee, Wis.
Milwaukee Separator Mfg. Co., 247 Madison, Milwaukee, Wis.
Milwaukee Shaper & Transmission Appliance Co., friction clutches, 1029 Cold Spring, Milwaukee, Wis.
Milwaukee Sidewalk Co., Matthews' Bldg., Milwaukee, Wis.
Milwaukee Soap Co., 379 4th av, Milwaukee, Wis.
Milwaukee Stamping Co., trunk & bag hdwe. mfrs., West Allis, Wis.
Milwaukee Steel Fndry. Co., 101 S. Water, Milwaukee, Wis.
Milwaukee Steel Post Co., 510 Iron Blk., Milwaukee, Wis.
Milwaukee Steel Type & Die Co., Milwaukee Wis.
Milwaukee Stove & Heater Co., 100 W. Water, Milwaukee, Wis.
Milwaukee Structural Steel Co., 19th & St. Paul av, Milwaukee, Wis.
Milwaukee Tack Co., 27 & Wahl av, Milwaukee, Wis.
Milwaukee Talking Mach. Mfg. Co., 24 E. Water, Milwaukee, Wis.
Milwaukee Tallow & Grease Co., Vogels' Island, Milwaukee, Wis.
Milwaukee Tank Wks., Fratney & Becker, Milwaukee, Wis.
Milwaukee Tool & Forge Co., Milwaukee, Wis.
Milwaukee Vacuum Machy. Co., 195 B'way, Milwaukee, Wis.
Milwaukee Valve Co., 139 Burrell, Milwaukee, Wis.

Milwaukee Vault & Elec. Cabinet Box Co., 521 Market, Milwaukee, Wis.
Milwaukee Wadding & Comfort Mills, mattresses, 415 3d, Milwaukee, Wis.
Milwaukee Wood Preserving Co., Milwaukee, Wis.
Milwaukee Woven Wire Wks., 3014 Clarke, Milwaukee, Wis.
Milwood White Sand Co., Jackson, O.
Mimbres Valley Growers' & Canners' Assn., canned goods, Hondale, N. Mex.
Minard Run Chemical Co., Degolia, Pa.
Minaret Mills, hair cloth mfrs., Cambria & Ormes, Phila., Pa.
Minch John E., fertilizer mfrs., Bridgeton, N. J.
Minchin, Sidney H., architect, 140 S. Dearborn, Chicago, Ill.
Minckler P. K., cornices & skylights, Seattle, Wash.
Minden Cotton Oil & Ice Co., Minden, La.
Minden Lumber Co., Minden, La.
Mine & Mill Supply Co., Mulberry, Fla.
Mine & Smelter Supply Co., 42 B'way, New York
Mineola Mill Co., lumber, Mineola, Ga.
Mineola Naval Stores Co., Mineola, Ga.
Miner Bros., lumber, Carter, Wis.
Miner Co., contractors, Richland Center, Wis.
Miner-Edgar Co., wood alcohol, chemicals, clays, etc., 30 Church, New York
Miner Edward F. Building Co., general contrs., 25 Foster, Worcester, Mass.
Miner F. W., machinist, Newport, Wash.
Miner & Frees Lumber Co., Ridgeway, Mo.
Miner & Peck Mfg. Co., drop presses, New Haven, Conn.
Miner Stanley H., ties, poles, posts & lbr. mfrs., etc., 17 Battery pl., New York
Miner, Thos. T. W., acetylene gas & str. lamps, 821 Eagle av, New York
Miner, W. H., draw-bar attachments, etc., The Rookery, Chicago, Ill.
Mineral Lake Lumber Co., Tacoma, Wash.
Mineral Milling Co., flour, Mineral, Va.
Mineral Mining Co., Milwaukee, Wis.
Mineral Point Zinc Co., 140 S. Dearborn, Chicago, Ill.
Mineral Product Mfg. Co., ores, tungsten, tungstic acid, etc., Wilmington, Del.
Mineral Products Co., tanks, refrigerator linings & laundry tubs, Rhinelander, Wis.
Mineral Ridge Mfg. Co., mchsts. & fndrs., Mineral Ridge, Ohio.
Mineralized Rubber Co., hose racks, 11 Kirk, Newark, N. J.
Minerallac Electric Co., conduit hangers, insulating compounds, pins, time switches, etc., 1045 Washington blvd, Chicago, Ill.
Miners' Foundry & Supply Co., Nevada City, Cal.
Miners' Supply Co., miners' squibs, St. Clair, Schuylkill Co., Pa.
Minerva Mfg. Co., hardware, Minerva, O.
Minerva Motor Car Co., 1896 B'way, New York.
Minford Ribbon & Carbon Co., 9 Walker, New York.
Mingledorff & Co., boilers, Savannah, Ga.
Mingst, C. P., tool holders, Evansville, Ind.
Mingus & Rutter, lumber, Franklin Bank Bldg., Phila., Pa.
Miniature Storage Battery Co., Niagara Falls, N. Y.
Minier Bros., lumber, Nebo, Ill.
Mining Safety Device Co., Bowerston, O.
Mining World, trade publications, Monadnock bldg., Chicago, Ill.
Minneapolis Baby Carriage Co., 506 11th, Minneapolis, Minn.
Minneapolis Bedding Co., E. Henn. av & S. E. 5th, Minneapolis, Minn.
Minneapolis Brass & Iron Mfg. Co., 115 N. 9th, Minneapolis, Minn.
Minneapolis Brick & Supply Co., 3418 Marshall, Minneapolis, Minn.
Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, Minn .
Minneapolis Cereal Co., 7th Lincoln Bldg., Minneapolis, Minn.
Minneapolis Desk Mfg. Co., Minneapolis, Minn.
Minneapolis Electric & Const. Co., 112 S. 7th, Minneapolis, Minn.
Minneapolis Elect. Steel Castings Co., 38th av, N. E., & 5th, Minneapolis, Minn.
Minneapolis Furniture Co., 6th av & S. E. 9th, Minneapolis, Minn.
Minneapolis Gas Fixture Co., 814 Hennepin av, Minneapolis, Minn.
Minneapolis Heat Regulator Co., 2753 4th av, S., Minneapolis, Minn.
Minneapolis Iron Store Co., 512 Washington av, Minneapolis, Minn.
Minneapolis Laundry Machy. Co., 114 N. 11th, Minneapolis, Minn.
Minneapolis Lbr. Co., 943 Lbr. Ex., Minneapolis, Minn.
Minneapolis Mfg. Co., excelsior, 5th av & S. E. & E. Hennepin, Minneapolis, Minn.
Minneapolis Office & School Furniture Co., 801 S. E. 8th, Minneapolis, Minn.
Minneapolis Ornamental Iron Co., 143 27th av, S. E., Minneapolis, Minn.
Minneapolis Paper Co., 4th av, S. & 5th, Minneapolis, Minn.
Minneapolis Paving & Cement Brick Mfg. Co., Minneapolis, Minn.
Minneapolis Roofing & Cornice Co., 310½ Oak, S. E., S. 7th, Minneapolis, Minn.
Minneapolis Sand Lime Brick Co., 307 Kasota, Minneapolis Minn.
Minneapolis Sash & Door Co., 962 Central av, N. E., Minneapolis, Minn.
Minneapolis Separator Co., machsts., Minneapolis, Minn.
Minneapolis Steel & Machy. Co., 2854 Minnehaha av, Minneapolis, Minn.; 220 W. So. Temple, Salt Lake City, Utah.
Minneapolis Stone Co., silos, Filmore & 16th av, N. E., Minneapolis, Minn.
Minneapolis Threshing Machine Co., Hopkins, Minneapolis Minn.
Minneola Mfg. Co., cotton flannels, Gibsonville, N. C.
Minn. Billiard Co., 1520 Buffum, Milwaukee, Wis.
Minn. Boiler Compound Co., 248 Fairfield av, St. Paul, Minn.
Minn. Box Co., 827 Forest, St. Paul, Minn.
Minnesota Cement Constr. Co., Fergus Falls, Minn.
Minnesota Electric Co., switchboards, etc., 309-2nd av, Minneapolis, Minn.
Minn. Chandelier Co., 369 Jackson, St. Paul, Minn.
Minn. Crushed Stone Co., 1500 Johnson N. E., Minneapolis Minn.
Minn. Equip't. Co., conduit benders, Minneapolis, Minn.
Minn. Fama Stonewood Co., 1704 Rondo, St. Paul, Minn.
Minn. Farmers Brick & Tile Co., Austin, Minn.
Minn. Fibre Co., flax & tow, Heron Lake, Minn.
Minn. Harness Factory, Winona, Minn.
Minn. Knitting Mills, sweaters, 514 St. Peter, St. Paul, Minn.
Minn. Koll Casket Co., 722 Central av, Minneapolis, Minn.
Minn. Linseed Oil Co., 1101 S. 3d, Minneapolis, Minn.
Minn. Lumber Co., Albert Lea, Minn.
Minn. Mining & Mfg. Co., flint paper, 791 Forest, St. Paul, Minn.
Minn. Moline Plow Co., 401-7 N. 3d, Minneapolis, Minn.
Minn. & Ontario Paper Co., International Falls, Minn.
Minn. & Ontario Power Co., Andrus Bldg., Minneapolis, Minn.
Minn. Pipe & Tile Co., Mankato, Minn.
Minn. Potato Starch Co., Anoka, Minn.
Minn. Radiator Co., machsts. & fndrs., Duluth, Minn.
Minn. Roofing & Cornices Wks., 135 E. 12th, St. Paul, Minn.
Mnn. Stove Co., Shakopee, Minn.
Minn. Tank Co., 920 6th av, Minneapolis, Minn.
Minn. Tent & Awning Co., 15 W. 3d, St. Paul, Minn.
Minnesota Tractor Co., Minneapolis, Minn.
Minn. Valley Canning Co., Le Sueur, Minn.
Minn. Western Lumber Co., Bellingham, Wash.
Minnet & Co., willow ware mfrs., 365 Lexington av, New York.
Minnetonka Canning Co., St. Bonifacius, Minn.
Minnetonna Co., churns, Owatonna, Minn.
Minnich, D. B., contractor, Chambersburg, Pa.
Minnich Mach. Wks., Landisville, Pa.
Minnick Constr. Co., Newcastle, Ind.
Minnick-Gibbons Co., contractors, 5309 Prospect av, Cleveland, Ohio.
Minnick, W. H., contrs., Marion, Ind.
Minor Bros., contractors, 222 W. Pratt, Baltimore, Md.
Minor, C. E., contractor, Fairmont, W. Va.
Minor Firebrick Co., Empire, Ohio.
Minor, Henry B., architect, South Norwalk, Conn.
Minor, Theo. C., architect, 10417 Ostend av, Cleveland, Ohio.
Minor, W. E., Disinfectant Co., 328 Champlain av, Cleveland Ohio.
Minor, W. H., architect, Bowling Green, Ohio.
Minor, Wesley L., architect, 46 Cornhill, Boston, Mass.
Minot Packing Co., Mechanic Falls, Me.
Minotola Glass Co., glass bottles, Minotola, N. J.
Minsinger Bros., contractors, Shingiss nr. Locust, Pittsburg Pa.
Minster Mach. Co., Minster, Ohio.
Minter, E. W., & Co., contractors, 115 B'way, New York.
Minter Homes Corp., contrs, Huntington, W. Va.
Minter Mfg. Co., sash, door & blind mfrs., Bloomington, Ill.
Minton Bros., contrs., Ocean Grove, N. J.
Minton, Henry A., architect, 244 Kearney, San Francisco, Cal.
Minton, Richard, tubular boilers, 119 Sumner, E. B. Boston Mass.
Minton, T. W., & Son, lumber, Barbourville, Ky.
Minton, Thos. F., contractors, 4 Hyde Park, Boston, Mass.
Minusa Cine Prod. Co., projection screens, 2665 Morgan, St Louis, Mo.
Minwax Co., acid proof paints, elastic cements, fire extinguishers, etc., 18 E. 41st, New York.
Minzing, Fred., brick, Delphos, Ohio.
Mione Mfg. Co., hand soap, Collingdale, Pa.
Miotke, Jos., machsts., 144 Clinton, Milwaukee, Wis.
Mir, Codina & Marques, cork mfrs., 592 Montgomery; Jersey City N. J.
Mirabile Contrg. Co., White Plains & Morris Pk. avs, New York
Mirc's Fuel-Oil Equipment Co., oil furnace mfrs., Lancaster, P
Mirror Mfg. Co., 200 Greene, New York
Mirror Rouge Co., New Kensington, Pa.
Mirroscope Co., coffee mills, 168th & Waterloo, Cleveland, Ohio
Miscampbell, H., lime hydrating machy., Duluth, Minn.
Misch, Otto, Co., contractors, Cham. of Com., Detroit, Mich.
Mischel, Geo., Sons, stone producers, Owensboro, Ky.
Mishawaka Machine Co., Mishawaka, Ind.
Mishawaka Woolen Mfg. Co., rubber goods, Mishawaka, Ind.
Mishler Mfg. Co., cloth mops, Smithville, Ohio.
Miskill, Edw. J., contractor, Hartford, Conn.

ag Link Apple Co., canned, Clayton, Ill.
o, R. L., Brick & Supply Co., Memphis, Tenn.
on Fixture Co., elec. & gas light, 828 S. B'way, Los ngeles, Cal.
on Fdry. & Stove Works Treat av & 19th, San Francisco, 'al.
on Soap & Candle Wks., 18th & Harrison, San Francisco, 'al.
on Trunk Fcty., Los Angeles, Cal.
quoi Lime Wks., High Gate Springs, Vt.
squoi Pulp & Paper Co., Sheldon Springs, Vt.
Glass Co., 220 5th av, New York
L'br Co., 332 S. Michigan av, Chicago, Ill., & Vicksburg, Miss.
Pearl Button Co., Burlington, Ia.
Soft Pine Co., Canton, Miss.
Valley Constr. Co., De Menil Bldg., St. Louis, Mo.
Valley Mfg. Co., logging wagons, Quincy, Ill.
Valley Rubber Co., inner tubes, Iowa City, Iowa.
Valley Stove Wks., steel ranges, Fulton, Ill.
ula Brick & Tile Co., Missoula, Mont.
ula Lbr. Co., Missoula, Mont.
ula Mercantile Co., Missoula, Mont.
uri Belting Co., Grand & La Salle, St. Louis, Mo.
uri Boiler & Sheet Iron Wks., stacks, tanks, etc., 23d & aplin, St. Louis, Mo.
uri Brass Type Fdry. Co., 1620 W. 22d, St. Louis, Mo.
uri Bridge & Iron Co., Fullerton Bldg., St. Louis, Mo.
uri Chemical Wks., alkali mfrs., 4004 Duncan av, St. ouis, Mo.
uri Cotton Yarn Mfg. Co., 300 Lynch, St. Louis, Mo.
uri Engine Co., St. Louis, Mo.
uri Fire Brick Co., Security bldg., St. Louis, Mo.
uri Fire Door & Cornice Co., St. Louis, Mo.
uri Granite & Constr. Co., 3410 Gratiot av, St. Louis, Mo.
uri Hay Press Co., Moberly, Mo.
uri Iron Co., fndrs, International Life bldg., St. Louis, o.
uri Lamp & Mfg. Co., fire extinguishers, 114 Elm, St. ouis, Mo.
uri Lbr. Co., De Queen & Hot Springs, Ark.
uri Lumber & Land Exchange Co., Long Bldg., Kansas ity, Mo.
uri Lbr. & Mining Co., West Eminence, Mo.
uri Malleable Iron Co., see National Malleable Casting o. (successors).
uri Mattress & Glove Mfg. Co., Cape Girardeau, Mo.
uri Meerschaum Co., pipes (smoking), Washington, Mo.
uri Paint & Varnish Co., 514 De Sota, St. Louis, Mo.
uri Plate Glass Co., Valley Park, Mo.
uri Portland Cement Co., St. Louis, Mo.
uri Pottery & Mfg. Co., Kansas City, Mo.
uri Press Brick & Improvement Co., St. Louis, Mo.
uri School of Mines & Metallurgy, Rolla, Mo.
uri Stair Co., 4205 Forest Park blvd, St. Louis, Mo.
uri Tent & Awning Co., 2208 Chestnut, St. Louis, Mo.
uri Valley Bridge & Iron Co., Leavenworth, Kans.
uri Valley Const. Co., contrs., 3rd Nat'l Bk. Bldg., St. ouis, Mo.
uri Water & Steam Supply Co., St. Joseph, Mo.
uri Zinc Co., Beckemeyer, Ill.
um, R. W., architect, Camden, S. C.
l & Co., contrs., Binghamton, N. Y.
ll, A., flour mills, Walkerton, Va.
ll, A. H., contractor, La Crosse, Wis.
ll, A. L., & Son, plumbers' washers, 1866 Atlantic av, rooklyn, N. Y.
ll Alfalfa Milling & Light Co., Mitchell, Neb.
ll, Benj. F., architect, Seaboard Bk. Bldg., Norfolk, Va.
ll-Bissell Co., mill & facty. supplies, 251 4th av, New ork.
ll Brick Co., Lawrenceburg, Ind., & Lower River rd, elhi, Cincinnati, Ohio.
ll Bros., contractors, 2125 Race, Phila., Pa., & Spokane, ash.
ll Bros. Co., lumber, Cadillac, Mich.
ll, C. G., architect, Johnson City, Tenn.
ll C. D. & Son, contrs, Charleston, Ill.
ll, C. H., Elev. Co., 522 N. Monroe, Chicago, Ill.
ll, Chas. D., architect, Mitchell Bldg., Charleston, Ill.
ll Clay Mfg. Co., brick, 5627 Manchester av, St. Louis, o.
ll Co., Inc., machsts. & fndrs., steel structural work. ughkeepsie, N. Y.
ll Co., tubular boilers, mchsts. & fndrs., 621 W. 24th, ew York.
ll-Diggins Iron Co., blast furnaces, Cadillac, Mich.
ll, F. A., mill & facty. supplies, 20th & Callowhill, Philalphia, Pa.
ll, F. C., machsts., 714 S. Dearborn, Chicago, Ill.
ll, F. O., & Bro., canned goods, Perryman, Md.
ll Fertilizer Co., 26 S. Water, Providence, R. I.
ll, G. F., & Son, stamping works, Cedar & E. 65th, Clevend, Ohio.
ll, G. L., machsts. & fndrs., Ellensburg, Wash.
ll, H., cornices & skylights, Salt Lake City, Utah.
ll, H. B., & Co., whol. hdwe., Emlenton, Pa.

Mitchell Hardware Co., Ashtabula, Ohio.
Mitchell-Hughes Lbr. Co., Ward, Ala.
Mitchell, Isam, & Co., masons' & bldrs.' matls., Brockton, Mass.
Mitchell, J. D., fertilizer mfrs., Spring Valley, Ala.
Mitchell, J. E., masons' & bldrs.' matls., Glenolden, Pa.
Mitchell, J. H., contractor, Danville, Ill.
Mitchell, J. L., elec. contr., Oxnard, Cal.
Mitchell, J. S., & Bro., canned goods, Aberdeen, Md.
Mitchell, J. S., & Sons, sash, door & blind mfrs., Beaver Falls, Pa.
Mitchell, J. W., lumber, Rinaldo, Ky.
Mitchell, J. W., & Roberts, contractors, Madison, Wis.
Mitchell, Jas. E., contractors, 332 W. 24th, New York
Mitchell, Jas. J., contractor, Wilkes-Barre, Pa.
Mitchell, Jas. N., contractor, 4 S. Markoe, Philadelphia, Pa.
Mitchell, John, cornices & skylights, Helena, Mont.
Mitchell, John, machsts., 2224 Vine, Philadelphia, Pa.
Mitchell, John, Jr., Co., see Messer, Jas. A., Co., Inc. (successors).
Mitchell, Jno. R., Co., machsts., 702 S. Washington, Baltimore, Md.
Mitchell, Jno. W., contrs., Port Washington, N. Y.
Mitchell, Lewis M., architect, 35 N. Dearborn, Chicago, Ill.
Mitchell-Lewis & Staver Co., mill & facty. supplies, B'way & Everett, Portland, Ore.
Mitchell Lime Co., Allentown, Pa.
Mitchell, M., canned goods, Aberdeen, Md.
Mitchell Mfg. Co., barn equipments, cow stalls, stable fixtures & cattle stanchions, Milwaukee, Wis.
Mitchell Mfg. Co., laces, Portsmouth, Ohio.
Mitchell & Moffet, packing box mfrs., 54 Crosby, New York
Mitchell Motors Co., automobile mfrs., Racine, Wis.
Mitchell Moulding Co., 946 W. 21st, Chicago, Ill.
Mitchell, P. R., Co., curled hair, Harrison & Spring Grove av, Cincinnati, Ohio.
Mitchell Point Lbr. Co., Hood River, Ore.
Mitchell Polishing Co., S. Quincy, Quincy, Mass.
Mitchell-Powers Hardware Co., Bristol, Va.
Mitchell, R. F. & G. H., canned goods, Aberdeen, Md.
Mitchell, Ralph M., canned goods, Aberdeen, Md.
Mitchell-Rand Mfg. Co., wax, paints, carbon brushes, etc., 18 Vesey, New York.
Mitchell, Robt., Furniture Co., 616 Race, Cincinnati, Ohio.
Mitchell, Rossel Edward, architect, Paul-Gale-Greenwood Bldg., Norfolk, Va.
Mitchell, S. C., Co., lbr., Oroville, Wash.
Mitchell, Sam'l P. (Est. of), sash, door & blind mfrs., Yonkers, N. Y.
Mitchell & Sons Co., see Simplex Paper Co. (successors).
Mitchell & Sutherland, contractors, 166 Devonshire, Boston, Mass.
Mitchell, T. C., architect, Salisbury, Md.
Mitchell-Tappen Co., structural steel wk., 15 John, New York.
Mitchell Vance Co., machsts. & fndrs., 507 W. 24th, New York
Mitchell, W. G., Lbr. Co., Shortleaf, Ala.
Mitchell, W. H., masons' & bldrs.' matls., Morgantown, Ind
Mitchell, W. K., & Co., lap joints, separators, traps, etc., 2940 Ellsworth, Phila., Pa.
Mitchell Wheel Co., Miamisburg, Ohio.
Mitchell, Wilson Co., contrs., Niagara Falls, N. Y.
Mitchell, Wm. W., lumber, Stevens Point, Wis.
Mithoff, H., & Co., whol. hdwe., 284 S. High, Columbus, Ohio.
Mitshkun, M., Co., machy. drls., 985 Dix, Detroit, Mich.
Mitsui & Co. (importers), 65 B'way, New York
Mittag & Volgar, carbon paper, Park Ridge, N. J.
Mittig, Frank B., architect, Kalamazoo, Mich.
Mitts & Merrill, special machinery, Saginaw, Mich.
Mix Stone Co., Schoharie, N. Y.
Mixer & Co., lbr., 168 Franklyn, Buffalo, N. Y.
Mixter, J. W., Saw Tool Co., saw gummers & cutters, Plymouth, Mass.
Mizner, Addison C., architect, Grand Central Termin., New York.
M. & M. Adjustable Wire Clamp Co., 2 5th, Minneapolis, Minn.
M. & M. Hardware Co., whol, Steubenville, Ohio.
M. & M. Mfg. Co., rubber, Akron, Ohio.
M. & M. Rail Clamp Co., 102 N. Parkway, Pittsburgh, Pa.
M. & N. Pattern & Model Works, 448 N. Halstead, Chicago, Ill.
Moab Canning Co., Moab, Utah.
Moak Mach. & Tool Co., castings, machsts. & fndrs., Port Huron, Mich.
Moate, J. M., fertilizer, Devereux, Ga.
Moatz, D. L., wood handles, Round Hill, Va.
Moback Hool & Machine Mfg. Co., special tools, milling & machine cutters, vises & contract machine work, 330 Atlantic av, Boston, Mass.
Moberg, C. J., die cast castings, Mount Vernon, N. Y.
Moberly Paving Brick Co., Moberly, Mo.
Mobile Coal Co., Mobile, Ala.
Mobile Mattress Co., Mobile, Ala.
Mobile River Sawmill Co., Mt. Vernon, Ala.
Mobile Roofing & Cornice Co., Mobile, Ala.
Mobile Shipbldg. Co., Mobile, Ala.
Mobile Steel Co., sheet metal products, Mobile, Ala.
Mobile Stove & Pulley Mfg. Co., Mobile, Ala.
Mobile Top Co., 16 Seldon, Detroit, Mich.
Mobley, G. W., machst., Waynesboro, Ga.
Mobley-Graham-Jones Co., whol. h'dwe., Danville, Va.

Mock, Isidor, contractor, 838 Flushing av, Brooklyn, N. Y.
Mock, Julius, & Sons, architect'l & ornament'l iron, 777 Rutland rd, Brooklyn, N. Y.
Mockbee, C. M., & Co., guy clamps & wire rope clips, 816 E. Pearl, Cincinnati, Ohio.
Mockbridge, Jas. D., carriages, Montclair, N. J.
Mockette Constr. Co., contractors, Camden, N. J.
Model Carriage Co., Houston, Tex.
Model Flour Mills, Greeley, Colo.
Model Fdry. & Mach. Co., Findlay, Ohio.
Model Generator Co., acet. gas generators, 1717-23 Magazine, Louisville, Ky.
Model Glass Wks., glass bottles, Summitville, Ind.
Model Incubator Co., Buffalo, N. Y.
Model Knitting Wks., Salt Lake City, Utah.
Model Mfg. Co., sweaters, cardigans, etc., 442 B'way, New York.
Model Mill Co., flour, Johnson City, Tenn.
Model Roller Mills Co., flour, Smiths Grove, Ky.
Model Shop, inventors' models, 80 1st, San Francisco, Cal.
Midel Sign Works, 9th & Venango, Philadelphia, Pa.
Modena Cotton Mills, Gastonia, N. C.
Modern Bag Co., packing machs., East Orange, N. J.
Modern Bldg. Co., contrs., Louisville, Ky.
Modern Brass Fdy. Co., St. Louis, Mo.
Modern Carriage Co., Seattle, Wash.
Modern Die & Plate Press Mfg. Co., machsts. & fndrs., Belleville, Ill.
Modern Die & Tool Co., 202 S. Penn, Indianapolis, Ind.
Modern Electric Co., Burlington, Ia.
Modern Elec. Co., fixture, 5317 Euclid av, Cleveland, Ohio.
Modern Electric & Machine Co., 936 Ft. Wayne av, Indianapolis, Ind.
Modern Engng. Co., oxy-acet. welding app., 23rd & Walnut, St. Louis, Mo.
Modern Equipt. Co., paper balers, Lockport, N. Y.
Modern Fndry. Co., 4601 Marburg, Oakley, Cincinnati, Ohio.
Modern Grinder Mfg. Co., tools grinders, 49 Oneida, Milwaukee, Wis.
Modern Htg. Co., 3935 Olive, St. Louis, Mo.
Modern Iron Works, plbg., htg. & water supplies, Quincy, Ill.
Modern Lamp & Shade Co., portables, 1100 S. Wabash av, Chicago, Ill.
Modern Laundry Equipment Co., 551 Poplar, Cincinnati, Ohio.
Modern Laundry Mach. Co., 1907 Central, Kansas City, Mo.
Modern Machy. Co., bottle washing & soaking machines, Wilmington, Del.
Modern Machy. Exchange, 52 Walker, New York.
Modern Machy & Tool Co., stamping dies, 3551 Lincoln av, Chicago, Ill.
Modern Mfg. Co., ironing boards, mats, swings, etc., Hagerstown, Md.
Modern Mfg. Co., plbrs. supplies, 1872 E. 55th, Cleveland, O.
Modern Mfg. Co., stationers' spec., 543 N. Lawrence, Philadelphia, Pa.
Modern Miller, trade publication, Insurance Exchange, Chicago, Ill.
Modern Milling & Mfg. Co., flour, Waxahachie, Tex.
Modern Pattern Co., patterns & models, Springfield, O.
Modern Pattern & Machine Co., disc grinders, 123 Monroe, Detroit, Mich.
Modern Pen Co., fountain pen mfrs., 170 B'way, New York.
Modern Safety Gas Iron Co., 205 Cuthbert, Philadelphia, Pa.
Modern Steel Casting Co., 1400 53rd, Milwaukee, Wis.
Modern Stove Co., Chicago Heights, Ill.
Modern Tool Co., machine shop tools, 300 State, Erie, Pa.
*See adv index at end of book*
Modern Tool, Die & Machine Co. (The), 216-220 N. 4th, Columbus, Ohio.
Modern Toy Co., 181 Belmont av, Brooklyn, N. Y.
Modern Wagon & Carriage Co., 1948 Papin, St. Louis, Mo.
Modern Window Glass Co., Salem, W. Va.
Modesto Repressed Brick Co., Modesto, Cal.
Modjeski, Ralph, archl. engn., 220 S. Michigan av, Chicago, Ill.
Modjeski & Angier, inspecting engrs., New Era bldg. & Orchestra Bldg., Chicago, Ill.
Modoc Co., lubfg. oils, hand soap, etc., Fernwood, Pa.
Modoc Lbr. Co., Chiloquin, Ore.
Moedinger's, Jno. M., Sons, stone producers, Lancaster, Pa.
Moeller, A. E., mfrs. hydrometers & thermometers, 261 Sumpter, Brooklyn, N. Y.
Moeller, Edw. H., architect, 394 Pearl, Buffalo, N. Y.
Moeller, John H., cooperage stock, Mount Vernon, Ind.
Moellering Construction Co., Fort Wayne, Ind.
Moellering's, Wm., Sons, masons' & bldrs.' matls., Fort Wayne, Ind.
Moen Casket & Furniture Co., Peterson, Minn.
Moench, C., Sons Co., machsts., Gowanda, N. Y.
Moers, E. M., Sons, scrap metal, brass & copper, 183 South, New York
Moesser Building Co., Birmingham, Ala.
Moeszinger-Marquis Hardware Co., Clinton, Ia.
Moffat Coal Co., Gas & Electric Bldg., Denver, Colo.
Moffat, Frank D., & Co., pig iron & coke dlrs., 81 Fulton, New York.
Moffat, H. R., & J., auto. crankshafts & iron forgings, Waterbury, Conn.
Moffat, L., masons' & bldrs.' matls., Mamaroneck, N. Y.
Moffat Paper Goods Co., plain envelopes, New Haven, Conn.
Moffatt Co., contractors, Des Moines, Ia.
Moffatt Machinery Mfg. Co., Charlotte, N. C.
Moffet, C. W., contractor, 3008 4th av, S., Minneapolis, Minn.
Moffet & Mead, contractors, San Diego, Cal.
Moffett & Stewart, architects, Camden, N. J.
Moffit Iron Works Co., Sanford, N. C.
Moffitt, J. D., mast hoops, Scotland, Conn.
Mogadore Lumber & Supply Co., Mogadore, Ohio.
Mogey, W. & D., telescopes, Plainfield, N. J.
Mogul Co., paint & varnish imps., 45 W. 34th, New York.
Mogul Logging Co., lumber mfrs., Bellingham, Wash.
Mogul Metal Co., babbitt metal & die castings, 161 Larned, W Detroit, Mich.
Mogul Motor Truck Co., auto. bldrs., 4125 Forest Park blvd St. Louis, Mo.
Mogul Wagon Co., Hopkinsville, Ky.
Mohawk Brush Co., Albany, N. Y.
Mohawk Clay Products Co., Perrysville, Ohio.
Mohawk Condensed Milk Co., 71 Hudson, New York.
Mohawk Elec. Mfg. Co., fire arms, 15 Kirk pl., Newark, N.
Mohawk Lbr. Co., Mohawk, Cal.
Mohawk Mach. Shop, Fonda, N. Y.
Mohawk Refining Co., lubricating oils, 1131 W. 11th, Cleveland, Ohio.
Mohawk Rubber Co., Akron, Ohio.
Mohawk Silk Fabric Co., knitted gloves, Fultonville, N. Y.
Mohawk Valley Broom Co., Fonda, N. Y.
Mohawk Valley Cap Facty., sweaters, Utica, N. Y.
Mohawk Valley Mfg. Co., machsts., Oneida, N. Y.
Mohawk Valley Paper Co., Little Falls, N. Y.
Mohegan Granite Co., 101 Park av, New York.
Mohegan Stove Co., Peekskill, N. Y.
Mohegan Tube Co., 306 Scott av, Brooklyn, N. Y.
*See adv index at end of book*
Mohican Pulp & Paper Co., Greenwich, N. Y.
Mohrlite Co., lighting fixtures, Urbana, Ohio.
Mohland & Co., machsts., Burlington, Ia.
Mohn, H., machsts. & fndrs., Lincoln, Ill.
Mohn, N. Edward, architect, Endicott Bldg., St. Paul, Minn.
Mohn, W. D., & Co., vise mfrs., Reading Pa.
Mohney, C. L., contractor, 615 W. Diamond, Pittsburgh, Pa.
Mohr, Chas. W., lbr., Spokane, Wash.
Mohr, C. F., masons' & bldrs.' matls., Portage, Wis.
Mohr, E. H., picks, mattocks, etc., Vera Cruz, Pa.
Mohr, Henry, Hardware Co. (wholesale), Tacoma, Wash.
Mohr, J. J., & Son, scrap iron, Bullitt bldg., Philadelphia, Pa.
Mohr, John F., stone producers, Saginaw, Mich.
Mohr, John, & Sons, blast furnaces, rotaries, sterilizers, tank cupolas, etc., 349 W. Illinois, Chicago, Ill.
Mohr-Jones Hardware Co., wholesale hardware, Racine, Wis.
Mohr Lbr. Co., Tomahawk, Wis.
Mohr, Oscar P., architect, 728 Gravier, New Orleans, La.
Mohr, R., & Sons, optical goods, San Francisco, Cal.
Mohrlite Co., electrical fixtures, Urbana, Ohio.
Moise-Klinkner Co., advtg. nov. & spec., 369 Market, San Francisco, Cal.
Moistureproof Fibre Can Co., Dixon & River Pge, Detroit, Mic
Moland's, Wm., Sons, meat packers, 120 Market, Philadelphia, Pa.
Molby, Boiler Co., 101 Park av., New York.
Molby, E. C., down draft boilers, 101 Park av, New York.
Moldenhour, H. A., architect, Alaska Bldg., Seattle, Wash.
Moline, C. H., stone producer, Waterloo, Ia.
Moline Fdry. Co., machsts. & fndrs., Moline, Ill.
Moline Furniture Wks., bank, office & store fix., Moline, Ill.
Moline Heat, vacuum & vapor htg. systems, Moline, Ill. (tr.)
Moline Heating & Constr. Co., Moline, Ill.
Moline Lbr. Co., Malvern, Ark.
Moline Malleable Iron Co., St. Charles, Ill.
Moline Paint Mfg. Co., Moline, Ill.
Moline Plow Co., Moline, Ill.
Moline Pressed Steel Co., East Moline, Ill.
Moline Stone Co., Moline, Ill.
Moline Tool Co., frog & switch drilling machs., Moline, Ill.
Molitor, Chas., Machy. Co., 118 S. Clinton, Chicago, Ill.
Molitor, J. D., & Bros., contrs., Duluth, Minn.
Molkenthin Mfg. Co., safety blades, Bloomfield, N. J.
Moll, Wm., clamps, pipe, 1660 Columbus rd, N. W., Clevelan Ohio.
Mollenberg-Betz Mach. Co., 110 Washington, Buffalo, N. Y.
Mollenhauer Sugar Refin'g Co., Kent av, Brooklyn, N. Y.
Moller, M. P., organ mfrs., Hagerstown, Md.
Moller Machine Co., chucks & centers, 10 Lawton, New Roche N. Y.
Moller, R. W., contractor, 1634 California, San Francisco, C
Moller & Vanden Boom Lumber Co., Quincy, Ill.
Mollett, Chas., cornices, Champaign, Ill.
Mollineaux Bros., masons' & bldrs.' matls., Hempstead, N. Y.
Mollohon Mfg. Co., cotton sheetings, Newberry, S. C.
Moloch Stoker Co., 208 S. La Salle, Chicago, Ill.
Molohan, Dave, brick, Zenobia, Ill.
Moloney Belting Co., mill & factory supplies, 130 N. Frank Chicago, Ill.
Moloney Electric Co., transformers, 7th & Hickory, St. Lou Mo.
Molony & Carter Co., fertz. mfrs., Charleston, S. C.

ny, James, Sons, Inc., contrs., Schenectady, N. Y.
hrup Steel Products Co., Beaver Falls, Pa.
z, Jacob J., machsts., Williamsport, Pa.
Lbr. Co., Lake Toxaway, N. C.
ahn & Lyons, contrs., La Crosse, Wis.
sen-Dunnegan-Ryan Co., wholesale hdwe., mill, facty. & plumbers' supplies, El Paso, Tex.
idnock Blanket Mills, Marlboro, N. H.
idnock Mills, cotton sheetings, Claremont, N. H.
idnock Paper Mills, 201 Devonshire, Boston, Mass.
ghan, James F., archit., 208 Newton, Waltham, Mass.
ghan, Paul, architect, Bailey bldg., Philadelphia, Pa.
ghan, M. C., granite, W. Quincy, Quincy, Mass.
han Antiseptic Co., soaps, cutting & drilling compounds, etc., 166 N. Curtis, Chicago, Ill.
han, R. C. N., architect, Pawtucket, R. I.
han Stone Co., Plum Point, Ia., Newark, N. J.
rch Aluminum Ware Co., 4613 Payne av, Cleveland, Ohio.
rch Black Board Struct. Slate Co., Slatington, Pa.
rch Boiler Arch Co., Milwaukee, Wis.
rch Box Co., packing, 925 N. Halsted, Chicago, Ill.
rch Brass Co., cocks, traps, valves, etc., Cleveland, Ohio
rch Brush Co., hat brushes, Troy, N. Y.
rch Carriage Goods Co., Cincinnati, Ohio.
rch Cement Co., Humboldt, Kans.
rch Mills, sheetings, Union, S. C.
rch Elec. & Wire Co., 622 W. Adams, Chicago, Ill.
rch Engineering Co., Chamber of Com. Bldg., Buffalo, N. Y.
rch Engng. Co., mashsts., 230 E. 1st, Dayton, O.
rch Engineering & Mfg. Co., furnace mfrs., American Bldg., Baltimore, Md.
rch Expansion Bolt Co., 4326 W. 1st, Duluth, Minn.
rch Foundry Co., grey iron castings, Greenwood & G. T., Detroit, Mich.
rch Foundry Co., Los Angeles, Stockton, Cal.
rch H'dwe Co., hose menders, 198-200 Terrace, Buffalo, N. Y.
rch Iron Wks., ornam'tl iron, 1159 Howard, San Francisco, Cal.
rch Knitting Co., sweaters, etc., Buffalo, N. Y.
rch Light Truck Co., Milwaukee, Wis.
rch Lbr. Co., 15th & Market, Philadelphia, Pa.
rch Machine Mfg. Co., Grand Rapids, Mich.
rch Machine Tool Co., Sidney, Ohio.
rch Manifold Book Co., R. R. stationery, etc., West & Hubert, New York.
rch Mfg. Co., lubricants, oils & greases, Council Bluffs, Ia.
rch Metal Co., babbit, 119 S. Lincoln, Chicago, Ill.
rch Metal Weather Strip Co., 5020 Penrose, St. Louis, Mo.
rch Milling Co., flour, Elizabethton, Tenn., & Wytheville, Va.
rch Mills, cotton sheeting, Union, S. C.
rch Motor Mfg. Co., machsts., 4636 W. Madison, Chicago, Ill.
rch Paint Co., W. 70th, Cleveland, Ohio
rch Paper Co., Kalamazoo, Mich.
rch Pattern Wks., patterns for castings, 180 Russell, Detroit, Mich.
rch Refillable Fuse Co., 147 Leslie, Buffalo, N. Y.
rch Rubber & Oil Cloth Co., Drexel Bldg., Philadelphia, Pa.
rch Screen & Mfg. Co., E. 39th, Los Angeles, Cal.
rch Soot Remover Co., Inc., 261 Franklin, Boston, Mass.
rch Steel Castings Co., Solvay & Wab. R. R., Detroit, Mich.
rch Supply Co., carbon paper & typewriter ribbons, 390 E. Main, Rochester, N. Y.
rch Telephone Mfg. Co., Fort Dodge, Ia.
rch Tire Co., Hartville, Ohio
rch Tool Co., Murdock bldg, Cincinnati, Ohio.
rch Tool Machy. Co., 522 S. Clinton, Chicago, Ill.
rch Tool & Machy. Co., 1901 S. Western av, Chicago, Ill.
rch Tractor Co., traction, gasoline engines, Watertown, Wis.
rch Valve Co., 112 Front, Brooklyn, N. Y.
rch Water Heater Co., 193 Chartis av, Pittsburgh, Pa.
sh-Younker Co., separators, traps, valves, etc., 1407 W. Jackson blvd., Chicago, Ill.
liquot Rubber Wks. Co., reclaimed rubber, So. Braintree, Mass.
S. G., hdwe. mfrs., stencils, etc., Unionville, Conn.
lef Mach. Co., jobbing machsts., Pawtucket, R. I.
y, Chas. E., & Co., contractors & consulting engineers, 318 Olive, Philadelphia, Pa.
Constr. Co., Inc., City Bk. Bldg., Syracuse, N. Y.
vi Co-operative Canning Co., Mondovi, Wis.
Metal Products Corp., castings, etc., Bayonne, N. J.
sen Box Co., Monessen, Pa.
sen Brick Wks., Monessen, Pa.
sen Coal & Coke Co., Frick Bldg., Pittsburgh, Pa.
sen Fndry. & Mach. Co., Monessen, Pa.
, Chas., contractor, 52 Vanderbilt av, New York.
s & Murphy Machine Co., Haverhill, Mass.
rd, W. J., contractor, Poughkeepsie, N. Y.
r, C. L., Co., lumber mfrs., Elkhart, Ind.
r, R. W., Co., lumber mfrs., Elkhart, Ind.
rson, Wm. R., elec. contr., Bakersfield, Cal.
, Geo., & Son, contractors, 482 Jackson av, New York.
, Alexandro, mason, Bristol, Conn.

Monighan Machine Co., hoisting & hauling engines, derricks, excavators, etc., 2032 Carroll av, Chicago, Ill.
Moninger, John C., Co., greenhouse sash, 900 Blackhawk, Chicago, Ill.
Monitor Bi-Loop Radiator Co., radiator mfrs., Lancaster, Pa.
Monitor Boat & Engine Co., 217 Emet, Newark, N. J.
Monitor Controller Co., electric controller mfrs., 514 E. Lombard, Baltimore, Md.
Monitor Drill Co., St. Louis Park, Minn.
Monitor Furnace Co. See Monitor Stove Co. (successor)
Monitor Motor Car Co., Columbus, Ohio.
Monitor Oil Co., Cleveland, Ohio.
Monitor Sad Iron Co., Big Prairie, Ohio.
Monitor Stove Co., C. H. & D. Ry. nr. Gest, Cincinnati, Ohio
Monitor Time Clock Co., recorders, Syracuse, N. Y.
Monk, Chas., moulders' tools, 83 18th, Brooklyn, N. Y.
Monk, John, contractor, Sharon Bldg., San Francisco, Cal.
Mouls, T. A., contr., Montgomery, Ala.
Monks, G. R. M., architect, 148 Weld, Rochester, N. Y.
Monks, John, & Sons, contractors & dock bldrs., 82 Beaver, New York.
Monks & Johnson, architects, 99 Chauncey, Boston, Mass.
Monks & Miller, masons' & bldrs.' matls., Seattle, Wash.
Monks-Ripley Pile Co., 82 Beaver, New York.
Monks, Wm. C., contractor, 503 5th av, New York.
Monmonier, Geo. B., contractor, 1711 McCulloh, Baltimore, Md.
Monmouth Brick & Tile Co., Monmouth, Ill.
Monmouth Canning Co., Portland, Me.
Monmouth Chem. Co., chlorate potassium, 106 Wall, New York.
Monmouth Clay Mfg. Co., sewer pipe & fittings, Monmouth, Ill.
Monmouth Contracting Co., Red Bank, N. J.
Monmouth County Farmers' Exchange, fertilizer mfrs., Freehold, N. J.
Monmouth-Galesburg Construction Co., Monmouth, Ill.
Mono Corp. of America, gas analytical apparatus, Coal & Iron Exchange Bldg., Buffalo, N. Y.
Monmouth Plow Factory, Monmouth, Ill.
Monocacy Valley Canning Co., Frederick, Md.
Monolithic Silo & Construction Co., 122 S. Michigan av, Chicago, Ill.
Monon Crushed Stone Co., Monon, Ind.
Monongah Glass Co., beer mugs, tumblers, etc., Fairmont, W. Va.
Monongahela Boiler Wks., Monongahela, Pa.
Monongahela Clay Mfg. Co., brick, Monongahela, Pa.
Monongahela Constr. Co., Oliver Bldg., Pittsburgh, Pa.
Monongahela Iron & Steel Co., rolling mills, Farmers' Bank Bldg., Pittsburgh, Pa.
Monongahela & Ohio Dredging Co., contrs., Conestoga Bldg., Pittsburgh, Pa.
Monongahela Saw & Planing Mill Co., lumber, Monongahela, Pa.
Monongahela Stone Clay & Brick Co., Monongahela, Pa.
Monongahela Supply Co., mill & factory supplies, Morgantown, W. Va.
Monongahela Tube Co., iron rolling mills, Ferguson Bldg., Pittsburgh, Pa.
Monongahela Valley Traction Co., coal mine, Fairmont, W. Va.
Monongahela & Western Dredging Co., 7 Wood, Pittsburgh, Pa.
Monongahela & Yough. Fndry. Co., McKeesport, Pa.
Monroe Binder Board Co., Monroe, Mich.
Monroe Body Co., wood & metal auto bodies, Pontiac, Mich.
Monroe Brick & Builders' Supply Co., Monroe, La.
Monroe Bridge Paper Co., Monroe Bridge, Mass.
Monroe, C. F., Co., cut glassware, Meriden, Conn.
Monroe Calculating Mach. Co., So. Orange, N. J.
Monroe Canning & Packing Co., Monroe, Mich.
Monroe Color & Chem. Co., dinitrobenzol & intermediates, etc., Quincy, Ill.
Monroe Cotton Mills, Monroe, Ga.
Monroe County Canning Co., Brockport, N. Y.
Monroe County Chemical Co., starch mfrs., Fairport, N. Y.
Monroe County Oolithic Stone Co., Bloomington, Ind.
Monroe Foundry & Furnace Co., Monroe, Mich.
Monroe Grocer Co., Ltd., masons' & bldrs.' matls., Monroe, La.
Monroe Hdwe. Co., Monroe, N. C.
Monroe Hardware Co., Ltd., Monroe, La.
Monroe & Johnson, contractors, Lebanon, Ohio.
Monroe Mfg. Co., coffins, caskets, etc., Webster, N. Y.
Monroe Mill Co., lbr. mfrs., Monroe, Wash.
Monroe Milling Co., flour, Selinsgrove, Pa.
Monroe Motor Co., Flint, Mich.
Monroe, N. S., & Sons, road graders, Arthur, Ill.
Monroe Novelty Co., brushes, Rochester, N. Y.
Monroe Oil & Fertilizer Co., Monroe, Ga.
Monroe Paper Co., Monroe, Mich.
Monroe Refrigerator Co., Lockland, Ohio.
Monroe, Sam'l, & Son Co., contractors, Portsmouth, Ohio.
Monroe Screen, Blind & Partition Co., blinds & wood rolling partitions, Lima, Ohio.
Monroe Shingle Co., Monroe, La.
Monroe Spec. Co., machsts., Monroe, Mich.
Monroe Spec. Co., metal polish, 6 Dover, New York.
Monroe Steel Castings Co., Monroe, Mich.
Monroe, W. H., turpentine, Blackman, Fla.
Monroe, W. H., Co., blinds & wood rolling partitions, Lima, O.
Monsanto Chemical Works, 1800 S. 2d, St. Louis, Mo.
Monschke & Co., carriages, Dallas, Tex.

Monson Bros., contractors, 1907 Bryant, San Francisco, Cal.
Monson Maine Slate Co., 112 Water, Boston, Mass.
Monsted, A., Co., contractors, Pabst Bldg., Milwaukee, Wis.
Mont Alto Sand Co., Waynesboro, Pa.
Montag Bros., envelopes, Atlanta, Ga.
Montague City Rod Co., Montague City, Mass.
Montague Iron Works, marine castings, propeller wheels, 189 W. Madison, Chicago, Ill.
Montague Machine Co., Turners Falls, Mass.
Montague Mailing Mach. Co., Chattanooga, Tenn.
Montague Mfg. Co., lbr., sash, door & blind mfrs., 4 S. 10th, Richmond, Va.
Montague O'Reilly Co., contractors, Blake-McFall Bldg., Portland, Ore.
Montague Pipe & Steel Co. (successors to W. W. Montague & Co.), mfrs. of riveted steel pipe, high pressure pipe lines, oil & water tanks, steel flumes, syphons, stacks, montague well casing, Hobart Bldg., San Francisco, Cal.
Montague Range & Furnace Co., 826 Mission, San Francisco, Cal.
Montala Mfg. Co., cotton sheetings, Montgomery, Ala.
Montana Coal & Iron Co., Washoe, Mont.
Montana Culvert & Flume Co., Missoula, Mont.
Montana Hardware Co., Butte & Lewistown, Mont.
Montana Iron Wks., Butte, Montana.
Montana Mattress & Furniture Co., Butte, Mont.
Montana State School of Mines, Engng. School & Coll., Butte, Mont.
Montana Western Lbr. Co., Columbia Falls, Mont.
Montanini & Grillo, machsts. & fndrs., 155 W. Houston, New York.
Montauk Lther. Spec. Co., sailors' palms, 149 N. 1st, Brooklyn, N. Y.
Montauk Paint Co., furniture polish, etc., 170 2d av, Brooklyn, N. Y.
Montcalm Chemical Works, Indianapolis, Ind.
Montclair Jam Kitchens, canned goods, Montclair, N. J.
Monte Wrench Co., Shelbyville, Ind.
Monteath, J. H., Co., lbr. mfrs. & wholesale dlrs., 202 Lewis, New York.
Monterey Packing Co., 110 Market, San Francisco, Cal.
Montezuma Brick Wks., Montezuma, Ind.
Montezuma Fertilizer Co., Montezuma, Ga.
Montezuma Mach. Wks., machsts. & fndrs., Montezuma, Ind.
Montezuma Mfg. Co., cotton seed meal, Montezuma, Ga.
Montgomery Belting & Supply Co., leather belting, 147 W. Main, Morristown, Pa.
Montgomery Broom Mfg. Co., Grove City, Pa.
Montgomery Bros., belt dressing, packing mfrs. & rubber goods, 45 S. 2d, Philadelphia, Pa.
Montgomery Bros., contractors, 58 Lombard, New Haven, Conn.
Montgomery Bros. & Co., lbr., sashes, doors, etc., Buffalo, N. Y.
Montgomery Coal Washing & Mfg. Co., Birmingham, Ala.
Montgomery & Co., wholesale hdwe. & mill & facty, supplies, 105 Fulton, New York.
Montgomery Cordage Co., Montgomery, Ala.
Montgomery Cotton Mills, Montgomery, Ala.
Montgomery & Crawford, wholesale hdwe., mill & facty. supplies, Spartanburg, S. C.
Montgomery Elev. Co., Moline, Ill.
Montgomery Elev. Service, Kansas City, Mo.
Montgomery, F. W., htg. contrs., 29 Purchase, Boston, Mass.
Montgomery, G. S., architect, 17 Main, E., Rochester, N. Y.
Montgomery, H. P. Alan, architect, 105 W. 40th, New York.
Montgomery, Harry B., architect, Lewistown, Pa.
Montgomery, J. R., Co., tex. machy. (warps), Windsor Locks, Conn.
Montgomery, Jas., architect, Charlestown, W. Va.
Montgomery Land Co., brick, Yazoo City, Miss.
Montgomery Lime & Cement Co., Montgomery, Ala.
Montgomery Lbr. Co., Spring Hope, N. C.
Montgomery Lbr. Co., 52 Vanderbilt av, New York.
Montgomery Lumber Co., Suffolk, Va.
Montgomery Mattress Facty., Montgomery, Ala.
Montgomery, S. P., canned goods, Buchanan, Va.
Montgomery Slate Co., Shenandoah, Pa.
Montgomery Table & Desk Co., Montgomery, Pa.
Montgomery Tool & Mfg. Co., machsts., 1st, Madison, Dayton, O.
Montgomery, W. L. & Co., degras, 10 High, Boston, Mass.
Montgomery, W. M., & Co., meat, Anaconda, Mont.
Montgomery, Wesley, masons' & bldrs.' matls., Newark, Ohio.
Monticello Canning Co., Monticello, Ia.
Monticello Cotton Mills, Monticello, Ark.
Monticello Preserving Co., canned goods, Monticello, Minn.
Montigel, F., & Sons, cement contr., Redlands, Cal.
Montigel, J. M., machsts. & fndrs., Alma, Mich.
Montjoy, H. L., contr., Sandpoint, Idaho
Montour Brick Co., imperial, Pittsburgh, Pa.
Montour Steel Co., structural steel, Montour Falls, N. Y.
Montowese Brick Co., New Haven, Conn.
Montpelier Canning Co., Montpelier, Ohio
Montpelier Mfg. Co., machsts. & fndrs., Montpelier, Ind.
Montreal River Lbr. Co., Saxon, Wis.
Montrose Lbr. Co., Montrose, Miss.
Montrose Milling Co., Montrose, Minn.
Montross, A. W., cornices, Warwick, N. Y.
Montross Metal Roofing Co., shingles, metallic, Camden, N. J.



Montvale Canning Co., Montvale, Va.
Montvale Lbr. Co., Fontana, N. C.
Monument Cornice Wks., 822 Hartford av, Baltimore, Md.
Monument Mills, tex. machy. (warps), Housatonic, Mass.
Monument Plaster Co., stucco mfrs., Harrison, N. J.
Monument Plumbing Supply Co., 2635 Locust, St. Louis, Mo.
Monument Pottery Co., Trenton, N. J.
Monumental Bronze Co., fndrs., Bridgeport, Conn.
Monumental Iron & Metal Co., scrap iron, 228 W. Pratt, Baltimore, Md.
Monumental News, trade publications, 538 S. Clark, Chicag Ill.
Monville, Gilles & Co., barrel covers, 127 Catherine, Phila., Pa
Moody Bros., contractors, Hartford & Scovill, Detroit, Mich.
Moody, Chas. J., machsts. & fndrs., Elgin, Ill.
Moody, E. A., cornices & skylights, Abbeville, Ga.
Moody Engng. Co., contr., 90 West, New York.
Moody, John, contractor, Galveston, Texas.
Moody, John, & Son, common brick, Carlinville, Ill.
Moody Mfg. Co., advtg. spec., 280 B'way, New York.
Moody, P. S., flour mills, Ellis, W. Va.
Moody, W. Frank, machsts., Loogoote, Ind.
Moomaw, C. M., sash, door & blind, Sugarcreek, Ohio.
Moomaw, J. C., Co., canned goods, Cloverdale, Va.
Moon Bros. Carriage Co., Gano & McKissock, St. Louis, Mo.
Moon, C. H., contractor, 220 E. 16th, Indianapolis, Ind.
Moon Clay & Kaolin Co., clay miners, Trenton, N. J.
Moon, D. B., architect, Lansing, Mich.
**MOON, GEO. C., CO.**, wire rope, etc., Garwood, N. J.
*See adv index at end of book.*
Moon, Geo. O., & Co., flour mills, Binghamton, N. Y.
Moon-Hopkins Billing Mach. Co., adding typewriters, 223 O'Fallon, St. Louis, Mo.
Moon, John, contractor, Lockport, N. Y.
Moon, Jos. W., Buggy Co., auto. bldrs., Main & Douglas, St Louis, Mo.
Moon Machine Co., auto parts & nut & bolt machy, Muncie, In
Moon Mfg. Co., electric light plants, generators, etc., 122 Jefferson, Chicago, Ill.
Moon Motor Car Co., auto. bldrs., 4402 Main, St. Louis, Mo.
Moon-Williams Lbr. Co., Bray, Cal.
Mooney Belting Co., 844 W. 6th, Cincinnati, Ohio.
Mooney & Bauaman, boiler tube, hole cutters, 159 Linwoo Brooklyn, N. Y.
Mooney & Bueter, dies, 507 W. Jackson blvd, Chicago, Ill.
Mooney, Douglas & Pearson, whol. hdwe., mill & factory supplie 193 Greenwich, New York.
Mooney, Elwood W., contractors, Asbury Park, N. J.
Mooney, Frank E., sashes, doors & blinds, Farmington, N. H.
Mooney, Jas. J., contractor, 333 E. 24th, New York.
Mooney, W. E., contractor, Evans Bldg., Washington, D. C.
Mooney, W. W., & Sons, leather—harness, Columbus, Ind
Mooney, Wm. J., architect, 12514 Detroit av, Cleveland, Ohio
Moonlight Bait Co., Paw Paw, Mich.
Moore, A. H., contractor, 1720 1st av, Birmingham, Ala.
Moore & Abeel, contrs., Wilmington, N. C.
Moore, Alred, contractor, Atlantic City, N. J.
Moore, Alfred F., wire mfrs., 200 N. 3rd, Philadelphia, Pa.
Moore, Benj., & Co., paints, varnishes, etc., mfrs., 231 Fron Brooklyn, N. Y.
Moore, Benj., & Co., vacht sails, tarpaulins, wagon covers, et 27 South, New York.
Moore & Brady Co., canned goods, Key Highway & Boyle, Baltimore, Md.
Moore Bros., brick, Akely, Minn.
Moore Bros., files, auger bits, etc., Jamestown, N. Y.
Moore Bros., 39 S. La Salle, Chicago, Ill.
*See adv. index at end of book.*
Moore Bros. Co., machsts., Elizabeth, N. J., & Joliet, Ill.
Moore Bros. Co., soap, 288 Greenwich, New York.
Moore Bros. Lighting Rod Co., Maryville, Mo.
Moore & Burgess Webbing Co., Concord Junction, Mass.
Moore & Burlingame, contractors, 110 Jessie, San Francisc Cal.
Moore & Butts, machsts. & fndrs., West Newton, Pa.
Moore, C. C., bobbins, pegs (shoe), Lisbon, N. H.
Moore, C., & Co., braided banding, thread, twine, etc., 5th Market, Philadelphia, Pa.
Moore, C. H., machinist, Toledo, Ohio.
Moore, Chas., architect, Eau Claire, Wis.
Moore, Chas. C., & Co., machinery dealers, Sheldon Bldg., S Francisco, Cal.
Moore, Chas. P., shelf hdwe. boxes, Ravenswood, W. Va.
Moore, Charles P., & Co., hardware—whol., Spencer, W. Va.
Moore, Chas. T., contractor, Lansdowne, Pa.
Moore & Co., contractors, 12 Pemberton sq., Boston, Mass.
Moore & Co., machsts., 305 W. Grand av, Chicago, Ill.
Moore & Co., masons' & bldrs.' matls., Dallas, Texas.
Moore & Co., meat packers, Indianapolis, Ind.
Moore Combination Stores, whol. hdwe., Welch, W. Va.
Moore, Daniel, contractor, Fall River, Mass.
Moore, Dan'l E., sash, door & blind mfrs., Geneva, N. Y.
Moore & Danner, contractors, Kokomo, Ind.
Moore Drop Forging Co., Springfield, Mass.
Moore, E. C., & Son Co., metal polish, 11 Elizabeth W., Detr Mich.
Moore, E. S., contractor, Danville, Ill.

e, Eastwood Co., jigs, fixtures, dies & tools, etc., 116 E. th, Dayton, Ohio
e, Edgar M., & Co., steel struct. work, Farmers' Bank Bldg., ittsburgh, Pa.
e Engineering Co., alloys, Hagerstown, Md.
e Filter Co., 50 E. 42nd, New York.
e, Frank A., architect, 542 5th av, New York.
e, Frank K., Co., machy. dlrs., 182 High, Boston, Mass
e, Franklin, Co., bolt, nut & rivet mfrs., Winsted, Conn.
e, Fred'k E., sash, door & blind mfr., Williamstown, Mass.
e, G. B., ball cocks, 100 Dwight, Springfield, Mass.
e, G. W., & Co., masons' & bldrs.' matls., Moore, Pa.
e, G. W., Constr. Co., Dallas, Texas.
e & Galloway Lumber Co., Fond Du Lac, Wis.
e, George A., architect, 44 Orchard, Cambridge, Mass.
e, Geo. A., & Co., grain bags, down & feathers, 212 California, San Francisco, Cal.
e, Geo. C., cotton waste, North Chelmsford, Mass.
e, Geo. W., piano hdwe. mfrs., 44 Farnsworth, Boston, lass.
e & Gibson Corp., broom holders, 307 6th av, New York.
e, Given, Co., feed grinding mills, Spring Valley, Ill.
e & Goodman, lumber, Galveston, Texas
e, H. H., contractor, Spring Lake, N. J.
e-Handley Hardware Co., Birmingham, Ala.
e Hardware & Iron Co., Denver, Colo.
e, Harry S., contractor, Middletown, Conn.
e & Horkan, turpentine, Moultrie, Ga.
e, J. C., Co., parquet floors, 9 S. 18th, Philadelphia, Pa.
e, J. E., Lbr. Co., Mt. Grove, Va.
e, J., & I. E., writing inks & mucilage, Warren, Mass.
e, J. J., & Son, flour mills, Murray, Ky.
e, J. K., granite & stone producers, Bloomington, Ill.
e, J. N., lumber, Kelso, Wash.
e, J. S., architect, Weston, W. Va.
e, J. S., & Co., lbr., Greensboro, N. C.
e, J. W., Mach. Co., Spring & Second, Everett, Mass.
e, Jno. C., architect, White Plains, N. Y.
e, John C., Corp., loose leaf devices, Rochester, N. Y.
e, John L., contractor, 112 McAlvy, Pittsburgh, Pa.
e, John T., & Co., rural mail boxes, Terre Haute, Ind.
e, John V., architect, Lexington, Ky.
e, Joshua, pipe hangers & hooks, Marseilles, Ill.
e-Keppel & Co., lbr., Ellamore, W. Va.
e, L., Dry Kiln Co., Jacksonville, Fla.
e, L. E., Stave Co., Weiss Bldg., New Orelans, La.
e, L. F., masons' & bldrs.' matls., Lancaster, N. H.
e, L. F., Carriage Co., Knoxville, Tenn.
e & Landsiedel, architects, 3d av & 148th, New York.
e-Leland Paint & Oil Co., Charleston, S. C.
e Lime Co., Richmond, Va.
e & Lorenz Co., belting mfrs., belts, conveyors, etc., 2144 V. Fulton, Chicago, Ill.
e & McFerren, lumber, Hoopeston, Ill.
e, M. A., Co., masons' & bldrs.' matls., Le Mars, Ia.
e, M. F., architect, Colorado Bldg., Washington, D. C.
e Machy. Co., 213 Guilford av, Baltimore, Md.
e Mfg. Co., furniture—church & lodge, Springfield, Mo.
e Mfg. Co., port. fireproof garages, Waterloo, Iowa.
e Mfg. Co., spring beds, Muncie, Ind.
e-Master Mfg. Co., machsts., 3445 N. Western av, Chiago, Ill.
e-Meagher, cornices & skylights, Portland, Ore.
e Mill & Lbr. Co., Bandon, Ore.
e & Moore, masons' & bldrs.' matls., Waterloo, Ia.
e Motor Vehicle Co., 1st av & 5th, N. E., Minneapolis, linn.
e & Munger, clays, minerals, etc., 29 Broadway, New York.
e Oil Co., fatty acid, York & McLean av, Cincinnati, Ohio.
e Peg Co., Lisbon, N. H.
e Plow & Implement Co., Greenville, Mich.
e-Prince & Co., turpentine, Pelham, Ga.
e Push-Pin Co., push-pins & thumb tacks, 133 Berkley, hiladelphia, Pa.
e, R. H., & Zimmerman, lbr. mfrs., Albany, N. Y.
e, R. P., Milling Co., flour, Princeton, Ind.
e & Richter Lbr. Co., masons' & bldrs.' matls., La Porte, id.
e, Robert S., contractor, Lafayette, Ind.
e, S. B., architect, Wilson, N. C.
e Shipbldg. Co., Oakland, Cal.
e-Sieg Construction Co., Waterloo, Ia.
e Steam Turbine Corp., Wellsville, N. Y.
e Stewart, architect, Texarkana, Ark.
e T. F., Co., advtg. novelties, 19 W. 44th, New York.
e Thos. J., machsts. & fndrs., Blossburg, Pa.
e & Thompson Paper Co., Bellows Falls, Vt.
e Truck & Mfg. Co., barrel, Trenton, Mich.
e Vegetable Boiler Purger Co., 35 Bates, Detroit, Mich.
e W. S., architect, 52 Vanderbilt av., New York
e Warner & Co., masons' & bldrs.' matls., 17th, Richond, Va.
e Watson, contrs., 110 Jessie, San Francisco, Cal.
e & White Co., paper & pulp mill machy. mfrs., N. 15th & high av, Philadelphia, Pa.
e Wm., Co., contractors, 1278 W. 4th, N. W., Cleveland, hio.

Moore, Wm. D., & Sons, contractors, Winthrop, Brooklyn, N. Y.
Moore, Wm. R., contractor, Far Hills, N. J.
Moore, Wm. R. (Coll. of Technology), engng. schools & coll., Memphis, Tenn.
Moore & Wyman Elev. & Mach. Wks., 72 Granite, S. B., Boston, Mass.
Moorefield, J. Frank, architect, McIver, N. C.
Moore's, A., Sons, contractors, 423 W. 50th, New York.
Moores-Bode Gravel Co., Tara & Geneva, San Francisco, Cal.
Moores-Coney Co., masons' & bldrs.' matls., St. Paul Bldg., Cincinnati, Ohio.
Moores Lime Co., crushed stone, Springfield, Ohio.
Moore's, Roger, Sons & Co., masons' & bldrs.' matls., Wilmington, N. C.
Moore's Telephone System, Caro, Mich.
Mooresville Cotton Mills, Mooresville, N. C.
Moorhead, A. R.,masons' & bldrs.' matls., Walton, Kans.
Moorhead Bros. & Co., machsts. & fndrs., Sharpsburg, Pa.
Moorhead, H. S., contractor, 220 S. Highland av, Pittsburg, Pa.
Moorehead, J. R., Lumber Co., Lexington, Mo.
Moorhouse, G. W., oil supplies, Kinzua, Pa.
Moorhouse, R. T., paper pulp mills, 2655 Bridge, Bridesburg, Philadelphia, Pa.
Moorman, A., & Co., architects, 501 Minneapolis, St. Paul, Minn.
Moorman, Eli S., & Son, boat oars & lbr., Plaquemine, La.
Moormann Bros., contractors, Bloomfield, N. J.
Moormon Bros. Co., contractors, Lynchburg, Va.
Moose River Lbr. Co., McKeever, N. Y.
Mooser, Wm., architect, Nevada Bk. Bldg., San Francisco, Cal.
Moosic Mfg. Co., canvas gloves, Moosic, Pa.
Mora Power Wagon Co., 5320 St. Clair av, Cleveland, Ohio.
Moran Boiler Co., steam htrs., Hopkins, Minn.
Moran Bolt & Nut Mfg. Co., Florida & 1st, St. Louis, Mo.
Moran Bros., flour, Bonne Terre, Mo.
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Moran, D. W., stone producers, wkrs. & dlrs., 270 Burnside av, New York.
Moran Flexible Steam Joint Co., Louisville, Ky.
Moran & Hastings Mfg. Co., elec. light fix. mfrs., etc., 18 W. Washington, Chicago, Ill.
Moran Improvement Co., contrs., Monad Bldg., San Francisco, Cal.
Moran, John, contractor, Fitchburg, Mass.
Moran, John, & Son, bags & bagg'g, 213 Franklin, New York.
Moran, L. E., contrs., Keyser, W. Va.
Moran & Macnair, elec. light fix. mfrs., 72 W. Lake, Chicago, Ill.
Moran Mfg. Co., mill & factory supplies, Seattle, Wash.
Moran, P. J., contrs., Salt Lake City, Utah
Moran, Patrick, machsts. & fndrs., Grafton, W. Va.
Moran, R. J., htg. contrs., 1307 Atlantic av, Brooklyn, N. Y.
Moran, Robert, ship bldrs., Rosario, Wash.
Moran, Wm. Edgar, architect, 15 W. 38th, New York.
Morandi-Proctor Co., steel ranges, 86 Washington, Boston, Mass.
Moratz, Arthur F., architect, Bloomington, Ill.
Moratz, Paul O., flooring oak, Bloomington, Ill.
Morava Construction Co., 85th & Stewart av, Chicago, Ill.
Moravian Pottery & Tile Wks., Doylestown, Pa.
Moraw Bldg. Co., contrs., 127 N. Dearborn, Chicago, Ill.
Morawetz Co., auto. gloves, 217 E. Water, Milwaukee, Wis.
Morck, Wm. O., architect, Lombard Bldg., Indianapolis, Ind.
Morcombe, F. T., & Co., contractors, 155 Kneeland, Boston, Mass.
Morden Frog & Crossing Wks., switches, etc., 208 S. La Salle, Chicago, Ill.
Morden Mfg. Corp., loose leaf devices & key rings, Waterbury, Conn.
More, Jonas, Glass Co., Bridgeton, N. J.
**MORE-JONES BRASS & METAL CO.**, B'way & Dock, St. Louis, Mo. *See adv. index at end of book.*
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Morehead Mfg. Co., machsts & fndrs., Detroit, Mich.
Morehouse Bros. Co., sash, door & blind, Meriden, Conn.
Morehouse, C. C., contractor, 872 Folsom, San Francisco, Cal.
Morehouse & Wells Co., wholesale hdwe., mill & facty. supplies, Decatur, Ill
Morel Bros., machsts. & fndrs., Wolcottville, Ind.
Moreland, H. D., Co., contractors, 105 N. Clark, Chicago, Ill.
Moreland Motor Truck Co., Los Angeles, Cal.
Morell, Jas., machsts. & fndrs., Van Buren, Ark.
Morell & Nichols, landscape architects, Palace Bldg., Minneapolis, Minn.
Morelli, Nicholas A., architect, Orange, N. J.
Morency-Van Buren Mfg. Co., machsts. & fndrs., Sturgis, Mich.
Moreng, Jos., Iron Wks., 208 E. 19th, New York.
Moreno-Burkham Constr. Co., Syndicate Trust Bldg., St. Louis, Mo.
Morenus, E., Co., thermometers, Cleveland, N. Y.
Morenus Piano Co., 342 W. Huron, Chicago, Ill.
Moresi, Antoine, Co., Ltd., Jeanerette, La.
Morewood Standard Safety Devices Co., window bolts & display fixtures, 253 B'way, New York.
Morey, Alex W., machsts., Troy, N. Y.
Morey, Chas. H., lbr., Bemis, N. H.
Morey, Clarence E., organs, Utica, N. Y.

Morey Clay Products Co., Ottumwa, Ia.
Morey & Co., Inc., machinery dealers, 410 Broome, New York
Morey Flux & Chemical Co., welding compound, Parkesburg, Pa.
Morey, Richard, contractor, Chemical Bldg., St. Louis, Mo.
Morgan, A. J., Coal Co., Bellaire, Ohio.
Morgan, Austin Co., sashes, doors & blinds, Greenville, S. C.
Morgan Bros., sash, door & blind mfrs., Burlington, Vt.
Morgan, C. Stanley, felt coverings, 55 Wayne, Detroit, Mich.
Morgan Canning Co., Morgan, Utah.
Morgan Carriage Co., Wheeling, W. Va.
Morgan Casket Co., 572 Park av, Brooklyn, N. Y.
Morgan, Chas. L., architect, 116 S. Michigan av, Chicago, Ill.
Morgan, Clark System Co., vacuum heating systems, 382 Exchange, Rochester, N. Y.
Morgan Co., built-in furniture, Oshkosh, Wis.
Morgan Co., sash, door, blind & lbr. mfrs. & wholesale dlrs., 21 E. 40th, New York.
Morgan Construction Co., wire & rolling mill machy., Worcester, Mass.
Morgan Crucible Co., carbon brushes, 519 W. 38th, New York.
Morgan & Dillon, architects, Grant Bldg., Atlanta ,Ga. (tr.)
Morgan Drug Co., soap, 1512 Atlantic av, Brooklyn, N. Y.
Morgan, E., contractor, Savannah, Ga.
Morgan, E. E., masons' & bldrs.' matls., Ravenna, Ohio.
Morgan, E. S., machsts., Dublin, Ind.
Morgan, Edw., Mach. Co., 35 Vesey, Newark, N. J.
Morgan Engineering Co. (The), Alliance, Ohio
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Morgan-Gardner Elec. Co., coal cutting & mining machines, 2640 Shields av, Chicago, Ill.
Morgan, Geo. W., architect, East Haddam, Conn.
Morgan & Hamilton Co., bag & bagging, Nashville, Tenn.
Morgan & Horton, masons' & bldrs.' matls., Jackson, Ohio.
Morgan & Humiston Co., plate glass, New Haven, Conn.
Morgan, J. E., contractor, El Paso, Tex.
Morgan, J. F., & Son, heaters, Lynn, Mass.
Morgan, J. M., & Co., contractors, Birmingham, Ala.
Morgan, Jas. T., contr., Hillsboro, Ill.
Morgan, John, lbr. mfrs., Guys Mills, Pa.
Morgan, John, & Sons, stained glass, 96 5th av, New York, & 17 Union av, Brooklyn, N. Y.
Morgan, John T., & Son, flour mills, Stone Mountain Va.
Morgan, Julia, architect, Merchants' Ex. Bldg., San Francisco, Cal.
Morgan Knitting Mills, sweaters, 457 18th av, Newark, N. J.
Morgan Lbr. & Cedar Co., Oshkosh, Wis.
Morgan Lbr. Co., Madison, Ga., & Nagron, Wash.
Morgan Lumber & Mfg. Co., bank fixtures, Charleston, W. Va.
Morgan Machine Co., boxmakers machinery, Rochester, N. Y.
Morgan Mfg. Co., Inc., hose clamps, piston rings, spark plugs, airplane parts, etc., Keene, N. H.
Morgan Mfg. Co., wooden handles, Wyaconda, Mo.
Morgan & Morgan, contractors, Madison, Wis.
Morgan, O. E., lumber, Gresham, Wis.
Morgan Paint Co., Reading, Pa.
Morgan, S. D., architect, Lisbon, N. H.
Morgan Sash & Door Co., columns, lumber, moulding, etc., 2287 Blue Island av, Chicago, Ill.
Morgan Silver Plate Co., hdwe. mfrs., Winsted, Conn.
Morgan Steel & Wire Co., fence staples, Kokomo, Ind.
Morgan Veneer Co., Pine Bluff, Ark.
Morgan Vise Co., 35 S. Desplaines, Chicago, Ill.
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Morgan, Walls & Morgan, architects, Van Nuys Bldg., Los Angeles, Cal.
Morgan-West Box Co., packing, Memphis, Tenn.
Morgan, Wm., cornices, Mahanoy City, Pa.
Morgan, Wm. Z., contr., Kokomo, Ind.
Morgan & Williams Co., carriages, Warren, Ohio.
Morgan & Wright, rubber tires, etc., ft. of Bellevue, Detroit, Mich.
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Morgan's Enoch Sons Co., soap, 439 West, New York.
Morgans & Wilcox Mfg. Co., machsts., Middletown, N. Y.
Morgantown Brick Co., masons' & bldrs.' matls., Morgantown, W. Va.
Morgantown Hardware Co., cornices & skylights, Morgantown, W. Va.
Morgantown Packing Co., canned goods, Morgantown, Ind.
Morgenstern & Brill, advert. nov. & specialties, 26 W. 17th, New York.
Morgenstern & Co., pharmaceuticals, 31 Park pl, New York.
Morgenstern, F. Louis, contractor, Easton, Pa.
Morgenstern, Geo. A., architect, Easton, Pa.
Moriarty Bros., cornices & skylights, South Hadley Falls, Mass.
Moriarty, E. A., cornices, Torrington, Conn.
Moriarty, G. J., range boilers, 28 Harvard, Boston, Mass.
Moriarty, W. H., lbr., Waitsfield, Vt.
Morimura Bros., Japanese lanterns, 55 W. 23d, New York.
Morin, Eugene, architect, Missoula, Mont.
Morin, J. B., contractor, Lowell, Mass.
Morin Saw Gauge Mfg. Co., Seattle, Wash.
Morine, Nels M., contr., Western Springs, Ill.

Morison, Augustus B., architect, Hasbrouck Heights, N. J.
Morison Bros., fertilizer mfrs., Bangor, Me.
Morison, David, contractor, 119 W. 33d, New York.
Morison, W. K., & Co., wholesale hdwe., mill & facty. supplie 15 S. 7th, Minneapolis, Minn.
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Moritz, G., contr., Peoria, Ill.
Moritz, Herman, & Excelsior Shrinking Co., machy., 194 Gree New York.
Moritz, Isaac, cornices & skylights, 1192 2d av, New York.
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Morley Button Mfg. Co., upholsterers' tacks, Portsmouth, N.
Morley Cypress Co., Morley, La.
Morley Mfg. Co., shoe buttons, insulating washers, 120 Bo ston, Boston, Mass
Morley-Murphy H'dwe Co., Green Bay, Wis.
Morley, Patrick J., contractor, 709 Wyandote, Kansas City, M
Morlock Machine Works, Danbury, Conn.
Morlok, F., canned goods, Abingdon, Md.
Morman, S. A., & Co., machsts. & bldrs.' matls., Grand Rapi Mich.
Morner & Smith, patterns & models, Dayton, Ohio.
Morningstar, Chas., & Co., Inc., sizing comp'ds, tapico flo & sealing wax, 349 B'way, New York
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Moroney Hardware Co., Dallas, Tex.
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Morral Clay Co., Morral, Ohio.
Morral Drain Tile Co., brick, Morral, Ohio.
Morreau Co., machsts. & fndrs., 1305 Oregon av, N. E., Cle land, Ohio.
Morrell, John, & Co., canned goods & meat packers, Ottumwa,
Morrell, John, & Son, architects, Clinton, Ia.
Morrell, R. P., architect, Stockton, Cal.
Morrice, Wm., Co., contractors, 17 N. La Salle, Chicago, Ill.
Morrill, Chas., saw sets, nail pullers, liquid soap dispensers, e 100 Lafayette, New York.
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Morrill, J. M. E., contr., Sacramento, Cal.
Morrill, Milton Dana, architect, 17 Charles, New York
Morrill & Morley Mfg. Co., pumps, Benton Harbor, Mich.
Morrill Target Co., traps, etc., Omaha, Neb.
Morrillton Cotton Oil Co., Morrillton, Ark.
Morris, A. F., contractor, Bryant Bldg., Kansas City, Mo.
Morris & Allan, contractors, Builders' Exch., Buffalo, N. Y.
Morris & Bailey Steel Co., State, Pittsburgh, Pa.
Morris, C. E., Co., steel structural work, Curtis av, Columb Ohio.
Morris, C. L., masons' & bldrs.' matls., Plymouth, Ind.
Morris Canning Co., Lambertsville, N. J.
Morris, Chas., architect, 16 E. 23d, New York.
Morris, Chas. O., architect, 938 W. 32nd, Indianapolis, Ind
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Morris China Co., potteries, Trenton, N. J.
Morris City Mills, feed & flour, Morris, Minn.
Morris Coal Corp., Citizens Bldg., Cleveland, Ohio
Morris & Co., bags & baskets, Groveville, N. J.
Morris & Co., meat packers, Union Stock Yards, Chicago, Ill
Morris County Crushed Stone Co., Morristown, N. J.
Morris & Cummings Dredging Co., 17 State, New York.
Morris Cutlery Co., Morris, Ill.
Morris, E. Joy, carousels, locomotives, etc., 902 Walnut, Phi delphia, Pa.
Morris, E. K., & Co., iron & steel, heavy hdwe., mill & fac supplies, etc., 317 W. 2d, Cincinnati, Ohio.
Morris, Elias, & Sons Co., masons' & bldrs.' matls., Salt L City, Utah.
Morris, Elmer P., Iron Works, iron lamp posts, etc., 136 Liber New York.
Morris Engng. Co. of N. Y., die casting & forging machy., Cortlandt, New York.
Morris & Erskine, architects, Crozer Bldg., Philadelphia, Pa.
Morris Fertilizer Co., Atlanta, Ga.
Morris, G. E., architect, Elgin, Ill.
Morris Hdwe. Co., mill & factory supplies, Wenatchee, Wash.
Morris, I. P., Co., machsts. & fndrs., Richmond & Norris, Ph delphia, Pa.
Morris-Ireland Safe Co., 64 Sudbury, Boston, Mass.
Morris, J. S., carriages, Waupun, Wis.
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Morris-Knudsen Co., contrs., Boise, Idaho.
Morris, M. F., architect, Atlanta Nat'l Bk. Bldg., Atlanta, G
Morris Mach. Tool Co., machy. & tools, Court & Harriet, Cin nati, Ohio.
Morris Machine Wks., pumps, Baldwinsville, N. Y.
Morris Machy. Co., dlrs., 99 Chestnut, Newark, N. J.
Morris Mfg. Co., caskets, etc., 10 Cross, Newark, N. J.
Morris Mfg. Co., clothes' washing mach., El Reno, Okla.
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s, Montrose, & Son, architect, 533 Nostrand av, Brook-n, N. Y.
s Paper Mill Co., Morris, Ill.
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s, Richard S., & Co., metal polish, 138 N. Dearborn, Chi-ago, Ill.
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s Run Coal Mining Co., bituminous coal mine miners, ank bldg., Wilkes-Barre, Pa.
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s, Theo., W. & Co., wholesale plate & window glass, 440 anal, New York.
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, Wheeler & Co., steel struct. dlrs., 30th & Locust, Phila-elphia, Pa.
s, Wm. G., & Bro., masons' & bldrs.' matls., Frankfort, nd.
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s, Wm., & Sons Co., sash, door & blind mfrs., 1000 W. 50th, hicago, Ill.
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on Co., Inc., mill & factory supplies, Richmond, Va.
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son, H. D., machinists, Charlotte, N. Y.
son & Harvey, see Harvey Lbr. Co. (successors).
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son, J. R., architect, 20 W. Jackson blvd., Chicago, Ill.
son, J. W., Lumber Co., 927 Lbr. Ex., Minneapolis, Minn.
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son, Wm. O., Cooper Bldg., Denver, Colo.
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son & Young, contrs., Salem, Mass.
ss Bros., stone producers, Memphis, Tenn.
ssey Carriage Co., Pueblo, Colo.
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stown Boat & Engine Co., Morristown, N. Y.
sville Fdry. Co., Morrisville, Vt.
w Bros., contractors, Fidelity Bldg., Baltimore, Md.
w Co., hand vacuum cleaners, Waukegan, Ill.
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w, Jas. R., spring beds, Ft. Wayne, Ind.
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w & Licklider, masons' & bldrs. matls., Piqua, O.
w Mfg. Co. See Willys-Morrow Co. (successors)
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w Thos. Hardware Co., Amarillo, Tex.
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hhauser, W. A., add'g mach'y., 1 Madison av, New York
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Andrew J., & Son, Inc., mill & factory supplies, 221 High, oston, Mass.
-Boulger Destructor Co., garbage disposal plants, 39 Cort-ndt, New York
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Burton E., architect, Twin Falls, Idaho
**E CHAIN CO.,** power transmission appliances, Ithaca, N.Y. *ee adv. index at end of book.*
& Co., lumber, Bangor, Me.

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Morse, H. A., & Co., lbr. mfrs., Walpole, Mass.
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Morse Hardware Co., Bellingham, Wash.
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Morse, J. F., & Co., soap, 66 Norfolk av, Rox., Boston, Mass.
Morse, L., & Sons, window ventilators, Athol, Mass.
Morse, Leonard, architect, 41 S. 15th, Philadelphia, Pa.
Morse, R. F., gauge glass preservers, 86 Weybosset, Providence, R. I.
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Mortensen & Kelton, contractors, 1509 7th, Seattle, Wash.
Mortenson Construction Co., 19th & Indiana, San Francisco, Cal.
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Mortenson, Sam'l, & Co., pennant mfrs., 833 W. Jackson blvd, Chicago, Ill.
Morton, A. M., & Co., mill & facty. supplies, 25 Washington, Boston, Mass.
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Morton Canning Co., Morton, N. Y.
Morton, E. D., & Co., machsts.' tools, mill, facty. & steamfitters' supplies, 516 W. Main, Louisville, Ky.
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Morton Mfg. Co., metal planing, shaping & slotting machines, Muskegon Heights, Mich.
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Morton-Simmons Hardware Co., Wichita, Kans.
Morton & Son Co., counters, Rochester, N. Y.
Morton, Thomas, sash chains & hdwe. mfrs., 245 Center, New York.
Morton, Thos. S., & Son, machsts., Blooming Prairie, Minn.
Morton, Wm. A., contractor, Wabash Bldg., Pittsburgh, Pa.
Morton's, John, Sons Co., masons' & bldrs.' matls., 387 Carroll, Brooklyn, N. Y.
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Mosechl-Edwards Corrugating Co., metallic windows, etc., Covington, Ky.
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Moseley Lathe Co., Elgin, Ill.
Moseley & Motley Milling Co., flour, Rochester, N. Y.
Moseley Supply Co., plbrs. supplies, Peru, Ind.
Moser, A. J., & Co., machsts. & fndrs., Berne, Ind.
Moser, Chas., Co., paints, Cincinnati, Ohio.
Moser, Geo. W., flour mills, Evening Shade, Ark.
Moser, M. A., contractor, Raleigh, N. C.
Moser Mfg. Co., machsts. & fndrs., Kane, Pa.
Moser Pattern & Fdry. Co., match plates, Newark, Ohio.
Moser, Philip B., architect, Law Bldg., Norfolk, Va.
Moser, Wm., brick, Perrysburg, Ohio.
Moses, A. C., Constr. Co., 916 N. Y. av, N. W., Washington, D. C.
Moses, A., Sons & Co., sponges & chamois imp., 47 Ann, New York.

Moses, Arnold H., architect, 136 S. 4th, Philadelphia, Pa.
Moses, Chas. A., Construction Co., 133 W. Washington, Chicago, Ill.
Moses, F. L. & Bro., flour mills, Chatham, Va.
Moses, Geo. C. & Son, masons' & bldrs.' matls., Junction City, Kan.
Moses, Pope & Messer, chem. engrs., 366 5th av, New York.
Mosheik, Philip, wash boilers, 1108 S. Halsted, Chicago, Ill.
Mosher & Castle, masons' & bldrs.' matls., Sandwich, Ill.
Mosher, F. M., racks, Canton, Ill.
Mosher, J. R., fndrs., Greene, N. Y.
Mosher Mfg. Co., machsts. & fndrs., Dallas, Tex.
Mosier & Summers, contractors, 1266 Seneca, Buffalo, N. Y.
Mosinee Land, Log & Timber Co., lumber, Mosinee, Wis.
Moskowitz Bros., scrap iron, rubber, 7th & Freeman, Cincinnati, Ohio.
Mosle, H., & Co., cement importers, Galveston, Tex.
Mosler, A. R., & Co., carburetors, ignition cables, spark plugs, etc., Mt. Vernon, N. Y.
Mosler Safe Co., bank vaults, safes, etc., Hamilton, Ohio.
Moss, Arthur J., circular & band saws, knives, etc., 178 Center, New York.
Moss, C. W., masons' & bldrs.' matls., 218 Tennyson, Cincinnati, Ohio.
Moss, Geo. A., machsts., Plymouth, Pa.
Moss, Hy., & Co., rubber stamps, 37 Beaver, New York.
Moss, J. E., Iron Wks., archl. iron, Wheeling, W. Va.
Moss, Louis R., architect, 901 20th, N. W., Washington, D. C.
Moss, Morris L., cornices, 38 S. Eden, Baltimore, Md.
Moss, R. L., Mfg. Co., lumber, Athens, Ga.
Moss & Satterlee, elec. ry. supplies, Kansas City, Mo.
Moss-Schiery Mfg. Co., Inc., cartridge fuses & fuse plugs, Majestic bldg., Detroit, Mich.
Moss, T. J., Tie Co., Security Bldg., St. Louis, Mo.
Moss, W. E., mach. fndr., Charles City, Ia.
Mossberg, Frank, Co., wrenches, metal stampings, etc., Attleboro, Mass.
Mossberg Wrench Co., machsts, 25 Charles, Providence, R. I.
Mosser, J. K., Co., boot counters, Williamsport, Pa.
Mosser, W. F., & Son, machsts. & fndrs., Allentown, Pa.
Mossman Bros. Co., masons' & bldrs.' matls., Huntington, W. Va.
Mossman, Jerome (Est. of), wood novelties, Fitchburg, Mass.
Mossman Lbr. Co., Memphis, Tenn.
Mossman, Wm. E., lumber mfrs., Ft. Wayne, Ind.
Mossman, Yarnelle & Co., machy. dlrs., mill & factory supplies, Fort Wayne, Ind.
Mosso, C. A., compounds, 2253 Warren av, Chicago, Ill.
Mostberger Iron Co., 878 S. Division, Buffalo, N. Y.
Motch & Merryweather Machy. Co., machsts' tools, 711 Lakeside av, N. W., Cleveland, Ohio.
Motionscope Co., moving picture films, 107 S. Capitol av, Indianapolis, Ind.
Motkins, A. L., & Sons, contractors, 23 Church, New Haven, Conn.
Motl, Chas. K., architect, 117 Fort W., Detroit, Mich.
Motley, B. S., & Co., whol. hdwe., Danville, Va.
Motley Bros. Elec. Co., signs, Memphis, Tenn.
Motley, Jas. M., mill & facty. supplies, 71 Beaver, New York.
Motley, Thornton N., & Co., contrs. tools & supplies, 43 Cedar, New York.
Moto Meter Co., Inc., fuel level indicators, 15 Wilbur av, Long Island City, N. Y.
Motor & Accessory Mfrs. Association, 33 W. 42nd, New York.
Motor Age, trade publication, 59 E. Madison, Chicago, Ill.
Motor Boat, trade publication, 239 W. 39th, New York.
Motor Car Equip. Co., horns & valve grind'g compounds, 19 W. 62nd, New York.
Motor Car Supply Co., 1453 Michigan av, Chicago, Ill.
Motor Castings Co., South Bend, Ind.
Motor Compressor Co., ignitors, compressed air starters & motor starters mfrs., 52 Dickerson, Newark, N. J.
Motor Equipt. Co., auto accessories & hdwe., Wichita, Kan.
Motor Fuel Saver Corp., 50 Church, New York.
Motor & Machsts. Supply Co., metal polish, 1519 Grand, Kansas City, Mo.
Motor Products Corp., windshields, solder, copper & spec., Mack av & Outer Belt Line, Detroit, Mich.
Motor Products & Engng. Co., auto machsts., E. 61st, Cleveland, Ohio.
Motor Protector Mfg. Co., switches, San Francisco, Cal.
Motor Sheet Metal Wks., cornices & skylights, Seattle, Wash.
Motor Shingle Co., Seattle, Wash.
Motor Spec. Co., Waltham, Mass.
Motor Truck Body Co., auto. bodies, 409 E. Penobscot, Detroit, Mich.
Motor World, trade publication, 239 W. 39th, New York.
Motorcycle Equipment Co., Hammondsport, N. Y.
Motors Appliance Co., speedometers, E. Moline, Ill.
Motsinger Device Mfg. Co., carburetors, machsts. & fndrs., Lafayette, Ind.
Motsinger Rotary Engine Co., Fredonia, Pa.
Mott, Chas. Earle, architect, Prudential Bldg., Buffalo, N. Y.
Mott Haven Color Wks., varnish, paint, etc., 395 Mott av, New York.
Mott, J. B., machsts. & fndrs., Hollisterville, Pa.
Mott, J. L., Iron Works, plumbing & sanitary fixtures, etc., Trenton, N. J.
Mott Sand Blast Mfg. Co., 24 S. Clinton, Chicago, Ill., & 2 Frost, Brooklyn, N. Y.
Mott, Wallace A., label, gummed tapes, Norwalk, Conn.
Mott Wheel Works, Jackson, Mich.
Motter, Jacob, & Son, carriages, Canton, Ohio.
Motter's, Geo. F., Sons, mill & factory supplies, York, Pa.
Mottu, Theo., & Co., sash, door & blind mfrs., 1022 Penna av Baltimore, Md.
Mottu & Whyte, architects, 322 N. Charles, Baltimore, Md.
Motz, C. C., architect, Stahlman Bldg., Nashville, Tenn.
Motz Clincher Tire & Rubber Co., Akron, Ohio.
Motz, W. E., cornices, 1197 Michigan, Detroit, Mich.
Mouat-Squires Co., radiator valves, 1246 W. 4th, Cleveland, O
Moudy, T. S., & Co., contractors, Chattanooga, Tenn.
Moul, C., & Co., sash, door & blind mfrs., Hanover, Pa.
Moul, Henry S., architect, Gloversville, & Hudson, N. Y.
Moul, J. H., & Sons, lime, Bittinger, Pa.
Mould, F. W., granite, Morrisville, Vt.
Moulds & Brown, contractors, Rowland Bldg., Detroit, Mich.
Moulton, A. H., htg. contr., Portland, Me.
Moulton, C. W. H., Co., clothes bars, roof brackets, wagon jacks, ladders, etc., Somerville, Mass.
Moulton, W. A., canned goods, Phoenix, N. Y.
Moulton Wireless Umbrella Co., Wilmington, Ohio.
Moultrie Cotton Mills, Moultrie, Ga.
Moultrie Fertilizer & Mfg. Co., Moultrie, Ga.
Moultrie Oil & Fertilizer Co., Moultrie, Ga.
Mounce, D. H., & Co., sashes, doors & blinds, Moberly, Mo.
Mound City Brick & Gas Co., Mound City, Kans.
Mound City Buggy & Auto Co., carriages, 2007 Locust, St Louis, Mo.
Mound City Duck & Rubber Co., contrs.' tents, 832 N. B'way St. Louis, Mo.
Mound City Glass Co., blown tumblers, Lumberport, W. Va
Mound City Iron Wks., St. Louis, Mo.
Mound City Mach. & Pattern Co., St. Louis, Mo.
Mound City Oil & Supply Co., lubrg., 204 N. Commercial, St Louis, Mo.
Mound City Paint & Color Co., Mullanphy & N. 11th, St Louis, Mo.
Mound City Roofing Tile Co., 3301 Morganford rd, St. Louis Mo.
Mound Coffin Co., Main & Chambers, St. Louis, Mo.
Mound, Rose, Cornice Co., 726 N. Euclid av, St. Louis, Mo.
Mound Tool Co., 1203 S. 7th, St. Louis, Mo.
Mound Valley Glassware Mfg. Co. See Amer. Glass Co. (suc cessors)
Moundridge Milling Co., flour, Moundridge, Kans.
Moundville Lbr. Co., Marion, Ala.
Mounster, R. C., masons' & bldrs.' matls., Charleroi, Pa.
Mount, A. P., & Son, architects, Corry, Pa.
Mount Airy Buggy Co., Mount Airy, N. C.
Mount Airy Granite Cutting Co., Mount Airy, N. C.
Mount & Brady, leather belting mfrs., 46 Mechanic, Newark N. J.
Mount Calvary Canning Co., Mount Calvary, Wis.
Mount Carmel Brass Fdry. Wks., hook head bolts, Mount Carmel, Conn.
Mount Carmel Iron Wks., machsts. & fndrs., Mount Carmel, Pa
Mount Cherry Coal Co., fire clay & hollow bldg. blocks, 8 E. Long, Columbus, O.
Mount Clemens Brick & Tile Co., Mount Clemens, Mich.
Mount Clemens Sugar Co., Mount Clemens, Mich.
Mount Gilead Lumber Co., Mount Gilead, Ohio.
Mount Gretna Brownstone Co., brick, Lebanon, Pa.
Mount Hebron Lbr. Co., Mt. Hebron, Cal.
Mount, Henry, architect, Brownswood, Tex.
Mount Hood Soap Co., Portland, Ore.
Mount Hope Chemical Charcoal Wks., Mount Hope, Pa.
Mount, J. W., Co., auto. metal bodies, Maple av, Red Bank, N. J
Mount Morris Canning Co., Mt. Morris, N. Y.
Mount Olive Brick & Tile Co., Mount Olive, Ill.
Mount Olive Stave Co., cooperage stock, Batesville, Ark.
Mount Olive & Staunton Coal Co., Staunton, Ill.
Mount Penn Sand & Stone Wks., Reading, Pa.
Mount Penn Stove Wks., Reading Pa.
Mount Pleasant Banding Co., New Bedford, Mass.
Mount Pleasant Branch, Va.—Carolina Chem. Co., fertilizer, Mt Pleasant, Tenn. (tr.)
Mount Pleasant Canning Co., Mount Pleasant, Ia.
Mount Pleasant Connellsville Coke Co., bituminous, Greensburg, Pa.
Mount Pleasant Iron Fdry, New Bedford, Mass.
Mount Pulaski Wind Mill Co., Mount Pulaski, Ill.
Mount Shasta Milling Co., flour, Montague, Cal.
Mount Tom Sulphite Pulp Co., 50 State, Boston, Mass.
Mount Union Refractories Co., brick, Mount Union, Pa.
Mount Union Tanning & Extract Co., Mount Union, Pa.
Mount Vernon Belting Co., 333 Warren av, Baltimore, Md.
Mount Vernon Bridge Co., Mount Vernon, Ohio.
Mount Vernon Car Mfg. Co., Mount Vernon, Ill.
Mount Vernon Cream Co., canned goods, Seattle, Wash.
Mount Vernon Foundry & Engng. Co., grey iron casting Mount Vernon, Ohio
Mount Vernon Lime Co., Mount Vernon, Ky.
Mount Vernon Mattress & Furn. Co., Mount Vernon, Ill.
Mount Vernon Straw Board Co., Mount Vernon, Ind.

Vernon-Woodberry Mills, Inc., cotton goods mfrs., Contiital Bldg., Baltimore, Md.
din City Cabinet Co., Chattanooga, Tenn.
din City Fdry. & Mach. Wks., Greenville, S. C.
din City Mill Co., flour, Chattanooga, Tenn.
din City Milling Co., flour, Greenville, S. C.
din City Stove & Mfg. Co., Chattanooga, Tenn.
in Community, elec. portables & shades, 176 Madison av, w York.
in Copper Co., Ltd., 332 Pine, San Francisco, Cal.
din Iron Wks. Co., Denver, Colo.
in Iron & Supply Co., mill & factory supplies, Parkers-g, W. Va.
din Mill Paper Co., Lee, Mass.
din Milling Co., flour, White Sulphur Springs, W. Va.
din Paper Co., Wilkes-Barre, Pa.
in Road Mill Co., lbr., Lindberg, Wash.
in States Rubber Co., mill & facty. supp., Denver, Colo.
din Timber Co., lumber, Kalama, Wash.
ord Mfg. Wks., cameras, Dumont, N. J.
ord & Son, potters' supplies, East Liverpool, Ohio.
oy & French, architects, Ch. of Com. Bldg., Denver, Colo.
tephen, Edw. J., architect, U. B. Bldg., Dayton, Ohio.
ille Brick Co., Mountville, Pa.
ille Mfg. Co., agricultural implements, Mountville, Pa.
, Julien, architect, 812 15th, Modesto, Cal.
n Counter Co., 121 Beach, Boston, Mass.
River Brick Co., Denbigh, N. D.
y, Arthur J., buttons, 673 S. 16th, Newark, N. J.
y's, Chas., Sons, machsts. & fndrs., 457 N. 12th, Philalphia, Pa.
tte, O. J., Co., water cinder mills, 22 Clay, Brooklyn, Y.
aard, M., masons' & bldrs.' matls., 2016 N. Kostner av, icago, Ill.
Lumber Co., Lafayette, La.
Picture World, trade publication, 516 5th av, New York.
, Hallam L., landscape archs., 89 State, Boston, Mass.
& Rotch, landscape architects, 89 State, Boston, Mass.
Lumber Co., Edmonds, Wash.
y & Robinson Co., lbr., 8th & Horn, Cincinnati, Ohio.
ay & Uffinger, architects, 56 Liberty, New York.
y, David Y. (Est. of), furniture, Norristown, Pa.
, Augustus, & Co., relief valves, Paterson, N. J.
Chas. D., architect, Lafayette Bldg., Philadelphia, Pa.
Earl A., shoe counters, Lynn, Mass.
, H. H., & Co., brick, Grover Hill, Ohio.
, W. R., architect, Great Falls, Mont.
W. L., architect, 50 Bromfield, Boston, Mass.
Car Wheel Wks. Co., brake shoes, Cincinnati, Ohio.
David C., & Son, tents, wagon covers, etc., Geneva, Neb.
Jacob, contractor, Royersford, Pa.
, J. E., Jr., architect, 3414 Fairview av, Balto, Md.
te Insulating Co., magnet wire, Watervliet, N. Y.
Chas. L., & Co., machsts., 75 W. Van Buren, Chicago, Ill.
Chas., & Son, contractors, Niagara Falls, N. Y.
& Co., brick, Reading, Pa.
Engng. & Constr. Co., 375 Fulton, Brooklyn, N. Y.
Gabriel, steam fitters' supplies, Mount Joy, Pa.
H. A., automobile bldrs., Syracuse, N. Y.
Mfg. Co., feed & litter carriers, Montevideo, Minn.
& Pratt, paper & pulp mills, Lyonsdale, N. Y.
haw Mfg. Co., metal novelties & spec., 234 E. Hancock, roit, Mich.
& Son, masons' & bldrs.' matls., Souderton, Pa.
Tilghman H., architect & contr., 824 Hamilton, Allenvn, Pa.
E. H., Engineering & Equipment Co., grinding & crush- mills, Los Angeles, Cal.
Peter, contractor, Wilkes-Barre, Pa.
Wm., contractor, Wilkes-Barre, Pa.
an & Duchene, archl. iron, 564 Porter, Detroit, Mich.
, Jas. A., & Co., contrs., 231 Milwaukee av, Detroit, Mich.
an, C. S., steam htg. contrs., 2602 N. Spring av, St. uis, Mo.
an, T. J., & Co., boilers, 401 Folsom, San Fran,, Cal.
& Co., jewelry cases, 38 Maiden la, New York.
Talking Mach. Co., 1432 N. 20th, St. Louis, Mo.
L. Packing & Supply Co. See Imperial Packing Corp. ccessors)
. Mfg. Co., machsts., 1527 Niagara, Buffalo, N. Y.
ne Lumber & Coal Co., Muscatine, Ia.
on, Kenneth M., architect, 101 Park av, New York.
ore, Geo. V., masons' & bldrs.' matls., Summit, N. J.
& Miller, contrs., Easton, Pa.
fuss Mfg. Co., corn brooms, Spartanburg, S. C.
hirm, C. H., Closet Co., w. c. combinations, Detroit, Mich.
. H. C., sewer pipe, Sacramento, Cal.
d, Wm., cornices, Lansing, Mich.
& Co., inspection cars, etc., 80 E. Jackson blvd, Chicago,

Edmund W., & Co., pig iron, coke, Frick Bldg., Pittsgh, Pa.
F. D., willow ware mfrs., 226 E. 6th, Rochester, Minn.
an & Farrar, Dime Bk. Bldg., Detroit, Mich.
att, Adolph, ball vises, 17 Lion Bldg., Cincinnati, Ohio.

Muehlstein, H., & Co., scrap rubber, 114 W. Van Buren, Chicago, Ill.
Muelbe, L. F., glass stainers, 2724 Av F, Brooklyn, N. Y.
Mueller, A. H., Htg. Co., Mass. Bldg., Kansas City, Mo.
Mueller Boiler Comp'd Co., 2018 Dupont av, Minneapolis, Minn.
Mueller, B. A., archt., Arcade Bldg., East St. Louis, Ill.
Mueller Bros. Art & Mfg Co., mats, 2641 Polk, Chicago, Ill.
Mueller, Chas. R., & Sons, machsts., 75 Shelby, Detroit, Mich.
Mueller Co., heating contrs., 168 Reed, Milwaukee, Wis.
Mueller Construction Co., 179 W. Washington, Chicago, Ill.
Mueller, Edward, overhead vehicle washers, New Durham, N. J.
Mueller, Erick, machst., Princeton, Wis.
Mueller, F. C., & Co., shooting galleries, 1702 N. Western av, Chicago, Ill.
Mueller, Frank C., & Co., contractors, 3933 Chouteau av, St. Louis, Mo.
Mueller, Fred'k G., architect, Hamilton, Ohio.
Mueller, Gustave A., brewery archt., Breitmeyer Bldg., Detroit, Mich.
Mueller, H. G., Mfg. Co., sash, door & blind mfrs., Sheboygan, Wis.
Mueller, H. H., meat, Jackson, Mo.
Mueller, H., Mfg. Co., water plumbing & gas brass goods, Decatur, Ill.
Mueller, H. P., fndr. 219 Lombard, St. Louis, Mo.
Mueller, H. W., stone producer, Columbus, Ohio.
Mueller, Henry, contractor, Dubuque, Ia.
Mueller, Henry B., architect, Saginaw, Mich.
Mueller, John, Co., contractors, 302 E. 87th, New York.
Mueller, John, Co., masons' & bldrs.' matls., Hartwell, Ohio.
Mueller, L. J., Furnace Co., furnaces, 197 Reed, Milwaukee, Wis.
Mueller Lumber Co., Davenport, Ia.
Mueller, M., door openers, 18 Devonshire, Boston, Mass.
Mueller Mach. Co., Trenton, N. J.
Mueller Machine Tool Co., 2427 Colerain, Cincinnati, Ohio.
Mueller Metals Co., brass forgings & rolling mills, Port Huron, Mich.
Mueller Mosaic Co., art, encaustic & ceramic tiles, Trenton, N. J.
Mueller, P. L., landscape archt., 4845 Bryant, S. Minneapolis, Minn.
Mueller, R. S., & Co., clips, connectors, etc., 423 High av, S. E., Cleveland, Ohio.
Mueller, Rudolph, patterns & models, Milwaukee, Wis.
Mueller & Son Co., packing box mfrs., 361 Canal, Milwaukee, Wis.
Mueller, V., & Co., instruments, 1779 Ogden av, Chicago, Ill.
Mueller, Wm., & Co., insulator films, 332 S. Michigan, Chicago, Ill.
Muench, Geo., bronze powder machines, Stamford, Conn.
Muenzenmaier & Smith, brick, Dallas City, Ill.
Muenzenmayer, J. J., & W. F., mill & facty. supplies, Junction City, Kans.
Muerdter, Emil, advtg. nov., 1428 Hunting Park av, Phila., Pa.
Muessdorffer, C. A., architect, Humboldt Bk. Bldg., San Francisco, Cal.
Muff, G. & Co., contrs., Steelton, Pa.
Mufson, M., contractor, 115 Norfolk, New York.
Mugier's Iron Works, stair & gates bldrs., 903 E. 135th, New York.
Muhl, F. C., & Son, cornices & skylights, Bloomington, Ill.
Muhlenberg, Frederick A., archt., Colonial Trust Co. Bldg., Reading, Pa.
Muhletthaler, Th., Co., oils, 80 John, New York.
Muhs, Hy., Co., meat packers, Paterson, N. J.
Muhs Mfg. Co., jewelry cases, 148 Manilla, San Francisco, Cal.
Muir, Jas. A., boards—binders, leather, etc., Morristown, N. J.
Muir, John, masons' & bldrs.' matls. Manchester, N. H.
Muir-O'Sullivan Dredge & Dock Co., Port Huron, Mich.
Muir & Symon, machsts., 1015 Battery, San Francisco, Cal.
Muir, Thos., North Coast Contract Co., Portland, Ore.
Muirhead, Jno., & Son, miners' spades, tools, etc., Pittston, Pa.
Muirhead, Robt., stone, 76 Montgomery, Jersey City, N. J.
Mukilteo Shingle Co., lumber, Everett, Wash.
Mukle Bros. Mfg. Co., pulp & cardboard, Clearwater, Minn.
Mulberry Roofing Co., cornices & skylights, 46 Greenwich, New York.
Mulby Bros., brick, Linden Heights, Ohio.
Mulcahy Bros., contractors, 180 Jessie, San Francisco, Cal.
Mulconroy Co., rubber goods, 54th & Jefferson, Phila., Pa.
Mulford Coal & Lumber Co., masons' & bldrs.' matls., Elizabeth, N. J.
Mulford, H. K., Co., granulating, tablet, capsule machines, 428 S. 13th, Philadelphia, Pa.
Mulgrew, F. A., & Sons, lbr. mfrs. & whol. dlrs., ft. E. 8th, New York.
Mulhaupt, F. Joseph, emblems & badges, Lafayette, Ind.
Mulhens & Kropff, soap, 25 W. 45th, New York.
Mulherin Belt Knife Co., Peabody, Mass.
Mulhern Steam Htg. Co., steam & hot water htg. contr., 103 Park av, New York.
Mulholland Co., motor truck bodies, Dunkirk, N. Y.
Mulholland Hatch Fastener Co., Cleveland, Ohio.
Mulholland, Wm., boiler cleaners, brushes & brooms, 79 White, New York.
Mulinari, P., burning brands, stencils, etc., 118 Light, Baltimore, Md.
Mull Woodward Co., rims, Sidney, O.

Mullen-Blackledge-Nellis Co., canned goods, Brazil, Ind.
Mullen Bros. Paper Co., St. Joseph, Mich.
Mullen, Dan H., Jr., architect, St. Louis County Bk. Bldg., St. Louis, Mo.
Mullen, J. L., Constr. Co., Wabash Bldg., Pittsburgh, Pa.
Mullen, Jas. A., contractor, 5512 Vine, Philadelphia, Pa.
Mullen, John, & Son, machsts. & fndrs., Shamokin, Pa.
Mullen Replaceable Vault Light Co., Hartje Bldg., Pittsburgh, Pa.
Mullen, T. J., second-hand machy., 30 Church, New York .
Mullen, W. B., masons' & bldrs.' matls., 166 Devonshire, Boston, Mass.
Mullen, Wesley, architect, Maple Glen, Pa.
Muller, A. F., & Co., whol. hdwe., 258 Springfield av, Newark, N. J.
Muller, Bernhardt E., architect, 477 5th av, New York.
Muller Bros., canned goods, Oakland, Cal.
Muller, Chas. H. A., architect, 322 15th, West New York, N. J.
Muller & Co., contractors, Hoboken, N. J.
Muller, E. A., & Bro., cornices & skylights, 687 4th av, Brooklyn, N. Y.
Muller, E. B., & Co., chicory, Port Huron, Mich.
Muller, Franklyn R., & Co., sanitary flooring, Waukegan, Ill.
Muller, Fred, machsts., 214 Lackawanna av, Newark, N. J.
Muller, Geo. W., Bank Fixture Co., Atlanta, Ga.
Muller, Gloria, Mills, umbrella cloth, Norwalk, Conn.
Muller, Harry, cornices, Woodbury, N. J.
Muller, John, architect, 15 W. 38th, New York
Muller, Joseph C., willow ware mfr., 1334 Hague, Rochester, N.Y.
Muller, Julius, sweaters, cardigans, etc., 13 Bleecker, Brooklyn, N. Y.
Muller, Max, architect, 115 Nassau, New York.
Muller, Oscar, Co., calculating machs., 32 B'way, New York.
Muller, R., & Co., cornices & skylights, 358 E. 151st, New York.
Muller, Sealy Co., landscape architects, 145 W. 45th, New York
Mullett, A. B., & Co., archts., Union Trust Bldg., Wash., D. C.
Mullett Bros., common brick, Nappanee, Ind.
Mullgardt, Louis C., architect, Chronicle Bldg., San Fran., Cal.
Mullica, W. F., machinist, Ortonville, Minn.
Mulligan-Bilgman Co., soap, 670 W. Randolph, Chicago, Ill.
Mulliken, Harry B., architect, 609 W. 48th, New York
Mullin, Charles Whitely, architect, 110 W. 40th, New York.
Mullin, D. W., & Co., slasher cylinders, Lowell, Mass.
Mullin, Dan., machst. & fndr., 520 W. 22d, New York.
Mullin, Jos., masons' & bldrs.' matls, Lowell, Mass.
Mullin & Wendt, piano cases, New Brunswick, N. J.
Mulliner Box & Planing Co., hard wood doors, Quincy, Ill.
Mulliner-Enlund Tool Co., Inc., engine lathes, Syracuse, N. Y.
Mullins Body Corp., auto bodies, fenders, motor boats & row boats, etc., Salem, Ohio
Mullins Lbr. Co., Mullins, S. C.
Mullins Mfg. Co., cattle stanchions, feed mangers, milking machines, Brillion, Wis.
Mullins Sawmill Co., Seattle, Wash.
Mullins, W. H., Co. See Mullins Body Corp. (successors)
Mulion Bros., architect'l & ornamental iron, 1 Devoe, Brooklyn, N. Y.
Mulrein, J. H., Plumbing Supply Co., Phoenix, Ariz.
Mulstein, Jno., Co., machsts. & fndrs., 211 3d av, B'klyn, N. Y.
Multi-Color Copying Co., blue prints, 125 Woodward av, Detroit, Mich.
Multi Electrical Mfg. Co., fuse cutout, pin clips, wire lugs, wire bushings, conduit fittings, weather proof boxes, electric soldering irons, 703 Fulton, Chicago, Ill.
Multi-Lux Illuminating Co., reflectors (show case), 6712 Union av, Cleveland, Ohio.
Multi-Metal Co., laboratory screens, wire cloth & products, 251 W. 19th, New York.
Multiple Storage Battery Co., Jamaica, N. Y.
Multiplex Concrete Machinery Co., cement block machs., Elmore, Ohio.
Multiplex Display Fixture Co., 918 N. 10th, St. Louis, Mo.
Multiplex Faucet Co., molasses gates, St. Louis, Mo.
Multipost Co., postage stamp affixing machs., Rochester, N. Y.
Multnomah Iron Wks., steam feeds, 30th & Nicolai, Portland, Ore.
Multnomah Lumber & Box Co., Portland, Ore.
Multnomah Metal Wks., bearing metal, 312 Front, Portland, Ore.
Multnomah Trunk & Bag Co., Portland, Ore.
Mulvey, Chas., Mfg. Co., concrete hangers & tie rods, 1840 Carroll av, Chicago, Ill.
Mulville Bros., contrs., Alton, Ill.
Mumaw David G., brick, Stone Creek, Ohio.
Mumby Lumber & Shingle Co., Bordeaux, Wash.
Mumdorf Chain Wks., log chain, York, Pa.
Mumford, E. H., Co., fndry molding, & squeezing machines, rammers, etc., Elizabeth, N. J.
Mumford Molding Machine Co., 1765 Elston av, Chicago, Ill.
Mumford Paper Mills, Inc., Mumford, N. Y.
Mumm, Fred J., Contracting Co., contrs., 174 Best, Buffalo, N. Y.
Mummert, Dixon Co., grinders, machy., etc., Hanover, Pa.
Mummert, Jonas S., machst. & fndr., Aurelia, Ia.
Mummert, W. C., & Co., veneer, Wawaka, Ind.
Mumper, J. F., architect, Hartye bldg., Pittsburgh, Pa.
Muncie Cap & Set Screw Co., Muncie, Ind.
*See adv index at end of book*

Muncie Bldrs. Supply Co., masons' & bldrs.' matls., Muncie, In
Muncie Boiler & Sheet Iron Wks., Muncie, Ind.
Muncie Casket Co., Muncie, Ind.
Muncie Fndry. & Mach. Co., Muncie, Ind.
Muncie Gear Wks., for automobiles, Muncie, Ind.
Muncie Lumber Co., Muncie, Ind.
Muncie Malleable Castings Co., Muncie, Ind.
Muncie Mould Wks., Muncie, Ind.
Muncie Oil Engine Co., Muncie, Ind.
Muncie Wheel Co., for carriages & wagons, Muncie, Ind.
Muncy, Thos. F., & Son, ship bldrs., Bay Shore, N. Y.
Muncy Woolen Mills Co., woolen blankets, Muncy, Pa.
Munday, J. A., & Son, cornices & skylights, Knoxville, Tenn.
Munday Mill & Elevator Co., flour, Munday, Tex.
Munden, R. A., architect, Petersburg, Va.
Mundet, L., & Sons, life preservers & cork mfrs., Ferris, Brooklyn, N. Y.
Mundie, Alex., granite, Quincy, Mass.
Mundie & Jensen, architects, 30 S. La Salle, Chicago, Ill.
Mundorf Chain Wks., York, Pa.
Mundt, Chas., & Sons, perforated metals, 53 Fairmount av, Jersey City, N. J.
Mundt, H. C., contractor, Oil City, Pa.
Mundy, H. H., architect, Miami, Fla.
Mundy, J. S., Hoisting Engine Co., 722 Frelinghuysen av, Newark, N. J. *See adv index at end of book.*
Munger, A. F., contractor, Corry, Pa.
Munger & Bennett, lbr., Camden, N. J.
Munger & Munger, cornices & skylights, Pasadena, Cal.
Munger Oil & Cotton Co., meal, Mexia, Tex.
Munger, Walter R., Co., architects Lyric Theatre Bldg., Cincinnati, Ohio.
Mungo, A., contractor, 391 E. 149th, New York.
Munhall, R. J., Lumber Co., Sidney & Brady, Pittsburgh, Pa.
Munich Art Glass Co., 667 Mission, San Francisco, Cal.
Munich Studio, glass stainers, 300 W. South Water, Chicago, I
Municipal Engineering, trade publication, 538 S. Clark, Chicago, Ill.
Municipal Engng. & Constr. Co., Atlanta, Ga.
Municipal Improvement Co., contrs., Oakland, Cal.
Municipal Journal & Engin'r, trade publication, 239 W. 39t New York.
Municipal Lighting Co., lighting fixtures, 130 E. 15th, New Yor
Munising Co., lumber, Munising, Mich.
Munising Fdy. Co., Munising, Mich.
Munising Paper Co., Munising, Mich.
Munkenbeck Bros., steam fitters' supp., 88 Hamilton av, Brooklyn, N. Y.
Munkwitz, Edw. H., Co., machsts., 159 Muskego, Milwauke Wis.
Munn & Co., trade publications, 699 Woolworth Bldg., Ne York. *See adv index at end of book.*
Munn, G. J., architect, Pittsburgh, Kans.
Munn Piano Co., Walton, N. Y.
Munn Sign & Advg. Co., Atlanta, Ga.
Munn, Thos. C., Co., motor boats & rafts, Wilmington, Del.
Munning, A. P. & Co., polishing & platers' materials, Matawa N. J.
Munns, E. A., Kalsomine Co., waterproo'g matls., 217 Fult Brooklyn, N. Y.
Munnsville Plow Co., screw jacks, Munnsville, N. Y.
Munro, Daniel, machsts. & fndrs., 433 S. Jefferson, Chicago, I
Munro, Robt. A., & Co., bone-meal, oils, etc., 25 Pine, New Yo
Munroe Falls Paper Co., Massillon, Ohio.
Munroe Felt & Paper Co., 79 Summer, Boston, Mass.
Munroe Plumbing Co., cornices & skylights, Taunton, Mass.
Munroe, R. & Sons Mfg. Corp., boilers & steel tanks, 23d & Sma man, Pittsburgh, Pa.
Munroe, Wm. Co., sash, door & blind, 994 Scotten av, Detr Mich.
Munsell, Engene, & Co., mica mfrs., 68 Church, New York.
Munsey Shank & Counter Co., Lynn, Mass.
Munsing Woodenware Co., paper roll plugs, Munsing, Mich.
Munson Bros., canned goods, Phoenix, Ariz.
Munson Bros., cornices, Connellsville, Pa.
Munson Bros. Co., common brick, Capron, Ill.
Munson Co., machsts., Grand Rapids, Mich.
Munson, E. G., grey iron castings & patterns, Utica, N. Y.
Munson Heater Co. (Ltd.), founders, Connellsville, Pa.
Munson & Johnson, wood mantels, Jamestown, N. Y.
Munson, M. A., contr., Carthage, Ill.
Munson Mill Machinery Co., Utica, N. Y.
Munson, P. O., contractor, Galesburg, Ill.
Munson-Whitaker Co., architects, 470 4th av, New York.
Munt, H. F., flour mills, Petersburg, Va.
Muralo Co., kalsomine & paint mfrs., wall finish, etc., Richmond Ter., New Brighton, N. Y.
Murbach Coal Co., masons' & bldrs.' matls., Elyria, Ohio.
Murcell, Wm., contractors, Sacramento, Cal.
Murch Bros. Constr. Co., Railway Exch. Bldg., St. Louis, Mo
Murch, E. R., granite prod., Hardwick, Vt.
Murchey Mach. & Tool Co., die grinding & pipe cutting mach 85 Porter, Detroit, Mich.
Murchie, Chas. F., lumber, Calais, Me.
Murchie, Horace B., & Co., lbr. mfrs. & whol. dlrs., 58 Pi New York.
Murchison, D. T., flour mills, Atwood, Tenn.

hison, J. W., & Co., whol. hdwe., Wilmington, N. C.
hison, Jno. R., steam & hot water htg. contr., 1101 Flatbush av, Brooklyn, N. Y.
ott & Campbell, file & rasp mfrs., 296 Union av, Brooklyn, N. Y.
lock, Chas. W., contractor, New Haven, Conn.
lock-Dunwiddle Co., cornices, Beloit, Wis.
lock, E., & Co., wood pails, Winchendon, Mass.
lock, Francis W., machsts., Norway, Me.
lock & Geb Co., bobbin holders, Franklin, Mass.
lock, Geo., contractor, 2521 Melrose av, Cincinnati, Ohio.
ock, H. & Co., bearing metal, Sailor Bldg., Pittsburgh, Pa.
ock, Harvey, contractor, 10 Wall, New York.
lock, J. M., & Bro., lumber, Johnstown, Pa.
ock Liquid Food Co., 78 Tyler, Boston, Mass.
ock Lumber Co., Washington, Ind.
lock Mfg. & Supply Co., plumbers' supplies—jobbers, 426 Plum, Cincinnati, Ohio.
ock, Reed, Co., hub caps, 127 Federal, Boston, Mass.
ock, W. J., Co., push buttons, telephone receivers & wireless telegraph instruments, Chelsea, Mass.
ock, W. James, Co., rubber & steel stamps, etc., 116 Opera l., Cincinnati, Ohio.
ough, A. B., contractor, Watertown, Mass.
ll Lthr. Goods Co., traveling bags, 27 Sudbury, Boston, lass.
tt, J. H., contractor, 1310 5th, E. Salt Lake City, Utah.
reesboro Mfg. Co., pencil timber, Murfreesboro, Tenn.
land, Jno. W., Co., agricultural implements, Barton, Vt.
ss, H. B., machsts. & fndrs., Rockville, Conn.
an Ship Bldg. Corp., Mobile, Ala.
hey-Hardy Lbr. Co., 150 Passaic, Newark, N. J.
hy, A. F., Die & Mach. Co., cream separators, 364 Atlantic v, Boston, Mass.
hy, Ambrose J., architect, 146 Westminster, Providence, . I.
hy, Andrew, & Son, carriages, Omaha, Neb.
hy Boiler Co., 3263 W. 73rd, Cleveland, Ohio, & 153 Barlay, Milwaukee, Wis.
hy Bros., contractors, 30 E. 42d, New York
hy Bros., cornices, Erie, Pa.
hy Bros., heating contrs., Galesburg, Ill.
hy Bros. Co., contrs., Bowling Green, Ky.
hy, C. E., & Sons, contractors, 516 Federal, Pittsburgh, Pa.
hy, C., & Sons, canned goods, Rocks, Md.
hy Chair Co., D. G. H. & M. Jct., Detroit, Mich.
y, Chas. J., Paint Co., paint mfrs., 406 N. Calvert, Baltiore, Md.
y, Christopher, & Co. See Columbia Chuck & Tool Co. successors)
hy Construction Co., East St. Louis, Ill., Manitowoc, Wis., 50 Church, New York.
y, Cornelius. & Son, contrs., Dorchester, Boston, Mass.
hy, D. B., & Co., lumber, London, Ky.
y, D., & F., stone prod., Joliet, Ill.
y, D. X., & Bro., architects, Louisville Tr. Bldg., Louisille, Ky.
y, David, contractor, Syracuse, N. Y.
y & Diggins, lumber, Cadillac, Mich.
y, E., & Co., cornices, 3724 Cass, St. Louis, Mo.
y, E., & F., contractors, Oakville, Conn.
y Electricity Rectifier Co. Rochester, N. Y.
y Fndry. Co., Beaver Falls, Pa.
y Fdry. & Mfg. Co., Asbury Park, N. J.
y, G. W. J., Co., carriages, fasteners, &c., brass & composition fndrs., Amesbury, Mass.
y, Geo., Inc., lenses, 57 E. 9th, New York.
y, Geo. E., architect, Candler Bldg., Atlanta, Ga.
y, Geo. M., cornices & skylights, 43 New Chambers, New ork.
y, Harry F., & Co., steam htg. contrs., 1615 Sansom, hiladelphia, Pa.
y, Hugh, Construction Co., Omaha, Neb.
y Iron Works, machsts. & fndrs., ft. Walker, Detroit, Mich.
y, J. A., lbr., Atkinson, N. C.
y, J. E., elec. contr., Bristol, Conn.
y, J. H., stone, Burgoon, Ohio.
y, J. T., cornices, Havre De Grace, Md.
y, John, masons' & bldrs.' matls., Holley, N. Y.
y, John A., Co., papetric paper, Springfield, Mass.
y, Jno. H., Iron Wks., machsts., 643 Magazine, New leans, La.
y, Jos., & Son, contractor, West Hoboken, N. J.
y & Kenny, lbr., Converse, Ind.
y, Leavens & Co., mill & facty. supplies, 168 Commercial, oston, Mass.
y, Lewis A., contractor, Pawtucket, R. I.
y-McClay Hardware Co., Great Falls, Mont.
y Metal Co., bearing metals, 327 S. La Salle, Chicago, l.
y & O'Brien, coppersmiths, 5512 Detroit, Cleveland, Ohio.
y & Olmstead, architects, 1413 H, N. W., Washington, C.
y, P. C., Trunk Co., 13th & Papin, St. Louis, Mo.
y, P. H., Co., galvanizing wks., East St. Louis, Ill.
y, P. J., contrs., Moberly, Mo.
y Sam'l M., contractor, Monongahela Nat. Bk. Bldg., Pittsburgh, Pa.
Murphy Specialty Co., brass fndrs., 90 2d, Milwaukee, Wis.
Murphy Supply Co., mill, facty & plumbers' supplies, Green Bay, Wis.
Murphy, T. J., architect'l & ornamental iron, 619 Greenwich, New York.
Murphy, Thos. D., & Co., advtg. spec., Red Oak, Ia.
Murphy, Timothy, Iron Works, Jacksonville, Fla.
Murphy Varnish Co., 224 McWhorter, Newark, N. J.
Murphy, W. J., contractor, Tacoma, Wash.
Murphy, W. J., harness mfr., Fort Smith, Ark.
Murphy & Walsh, air receivers, tanks, etc., Pekin, Ill.
Murphy, Wm. J., brass fndrs., 279 10th, Jersey City, N. J.
Murphy, Wm. M., & Son, contrs., Endicott Bldg., St. Paul, Minn.
Murphy's, C. P., Sons, contractors, Atlanta, Ga.
Murphy's, Robert, Sons Co., knives, Ayer, Mass.
Murphysboro Paving Brick Co., Murphysboro, Ill.
Murrah, T. A., cornices & skylights, Union, S. C.
Murray, Alex., & Co., granite, Westerly, R. I.
Murray Brick Co., 10553 Euclid av, Cleveland, O.
Murray-Brooks Hardware Co., Ltd., Lake Charles, La.
Murray Bros. Machine Works, 233 Folsom, San Francisco, Cal.
Murray, C. F., & Son, stone producers, Blairsville, Pa.
Murray City Coal Co., masons' & bldrs.' matls., W. Fifth av, & H. V. Ry., Columbus, Ohio.
Murray, Clifford E., archit., 20 Clinton, Newark, N. J.
Murray Co., agricultural implements, Dallas, Tex.
Murray & Co., tens, 625 Fulton, Chicago, Ill.
Murray, D. J., Mfg. Co., mill & facty supplies, trimmers & lath binders, etc., Wausau, Wis.
Murray, E. T., & Co., cornices & skylights, Nashville, Tenn.
Murray, G. M., Sons Canning Co., Odenton, Md.
Murray, H. J., mill & facty. supplies, 85 Warren, New York.
Murray, Hy., Co., stone producers, 21 Arlington, Boston, Mass.
Murray & Hill Co., interior finish mfrs., 1138 St. Nicholas av, New York.
Murray & Hill Co., interior finish mfrs., 1138 St. Nicholas av, New York.
Murray Iron Works Co., Burlington, Ia.
Murray, James, architect, 101 Tremont, Boston, Mass.
Murray, Jas. A., machy. dlrs., Fall River, Mass.
Murray, Jas. T., masons' & bldrs.' matls., Troy, N. Y.
Murray, Jas. T., & Sons, steam htg. contrs., 62 Market, Hartford, Conn.
Murray Japanning Co., patent leather, Woburn, Mass.
Murray, Jno. A., mchsts. & fndrs., 112 Front, Bklyn, N. Y.
Murray, Jno. A. & Co., mill, facty & plumbers' supplies, 310 W. 39th, New York.
Murray, Jos., & Co., stone producers, wkrs. & sand, etc., dlrs., 263 av C, New York.
Murray, L. A., & Co., school furniture, Kilbourn, Wis.
Murray, L. W., architect, 120 E. 14th, Portland, Ore.
Murray & Lamb, contractors, 13 Hayden, Providence, R. I.
Murray Machy Co., Kansas City, Mo.
Murray Mfg. Co., shipping tags, Newnan, Ga.
Murray & Maruna, brass & composition fndrs., Saginaw, Mich.
Murray Martin & Co., contractors, Troy, N. Y.
Murray Motor Car Co., 3724 Grant blvd., Pittsburgh, Pa.
Murray & Murray, lubrg. oils, 219 Quarry, Phila., Pa.
Murray Oxygen Co., 449 W. 53rd, New York.
Murray, P. A., & Co., Newton, Mass.
Murray & Patterson, canned goods, Hollins, Va.
Murray, P. J., architect, 141 E. 40th, New York
Murray, Ralph, architect, Ironton, O.
Murray, Richard, Brick Co., Berlin, Conn.
Murray, Robt., who. h'dwe., 85 Warren, New York.
Murray Roofing Tile Co., Cloverport, Ky.
Murray & Sorensen, flushing valves, 227 W. 17th, New York.
Murray, Thos., masons' & bldrs.' matls., Warren, O.
Murray, Thomas N., architect, Monadnock bldg., San Francisco, Cal.
Murray & Tregurtha Co., aeroplanes, boilers, marine engines, motor boats, etc., 340 W. 1st, S. Boston, Mass.
Murray, W. B., gas engines, N. Winchester & Wabansia avs, Chicago, Ill.
Murray, Wilber H., Mfg. Co., carriages, 5th & Eggleston av, Cincinnati, O.
Murray, Williams, & Co., flour, Maiden, N. C.
Murray Wire Co., residence wire, 487 N. J. R. R. av, Newark, N. J.
Murrell Mfg. Co., signs, metal, Long Island City, N. Y.
Murrill & Keizer, machsts., 206 N. Holliday, Baltimore, Md.
Murry Construction Co., Sikeston, Mo.
Murry, Frank E., Contr'g Co., Portchester, N. Y.
Murta-Appleton & Co., mill & facty. supplies, 12th & Samsome, Philadelphia, Pa.
Murtagh, Chas. E., masons' & bldrs.' matls., ft. Rivington, New York.
Murtagh, P. J., contractors, Malone, N. Y.
Murtaugh Elev. Co., dumb waiters, 535 W. 33d, New York.
Murtfeldt, W. A., Co., contractors, 161 Devonshire, Boston, Mass.
Murtha & Schmoll Co., masons' & bldrs.' matls., 814 E. 14th, New York.
Murtland, Christopher G., contractor, Atlantic City, N. J.
Muscle Shoals Lumber Co., Florence, Ala.
Muscogee Mfg. Co., tickings, Columbus, Ga.
Muscongus Lbr. Co., Bristol, Me.

Muse, A. W., & Co., fertilizer, Albany, Ga.
Muse, R. L., lbr., Walnut Ridge, Ark.
Musgrave Leather Co., hame strings, 414 N. Front, Baltimore, Md.
Musgrove, N. C., flour mills, Grafton, W. Va.
Musher & Co., canned goods & oils, 140 Liberty, New York.
Mushet, W. E., Co., drain tile, fire brick & sand, sewer pipe, etc., 502 Mission, San Francisco, Cal.
Musicnote Roll Co., Dixon, Ill.
Music Table Co., mfrs. phonographs, Greenfield, Ohio
Muskegon Aluminum Fdry. Co., Muskegon, Mich.
Muskegon Boiler Works, boiler breechings, structural specialties, Muskegon, Mich.
Muskegon Engine Co., auto bldrs., motor trucks, Muskegon, Mich.
Muskegon Extract Co., Muskegon, Mich.
Muskegon Motor Specialties Co., machsts., Muskegon, Mich.
Muskingum Coffin Co., Zanesville, O.
Muskingum Contr. Co., Zanesville, O.
Muskingum Valley Fertilizer Co., Marrietta, O.
Muskogee Hardware Co., Muskogee, Okla.
Muskogee Iron Wks., Muskogee, Okla.
Muskogee Lbr. Co., Muskogee, Okla.
Muskogee Pattern Wks., Muskogee, Okla.
Muskogee Refining Co., petroleum & its products, Muskogee, Okla.
Muskogee Vitrified Brick Co., Muskogee, Okla.
Muskopf & Irish Co., landscape architects, Boatman's Bldg., St. Louis, Mo.
Musolaphone Corp., telephones & apparatus, 46 W. B'way, New York.
Musselman Canning Co., Biglersville, Pa.
Musselman & Schwarz, htg. contrs., Lancaster, Pa.
Musser, D. B., flour mills, Atkins, Va.
Musser, H. M., umbrella handles, Lancaster, Pa.
Musser, W. H., & Son, architects, Abington, Va.
Mussillon, J. A., & Bro., machsts., Springfield, Ill.
Musson, J. W., soap, Sandusky, Ohio.
Mustard Bros., flour mills, Bland, Va.
Mustee Water Heater Co., 3409 Superior av, N. E., Cleveland, O.
Musterfield Sand & Gravel Co., Richmond, Va.
Musto, Jos., Sons Keenan Co., marble importers, 535 North Point, San Francisco, Cal.
Mutch & Calder Granite Co. See Mutch & Loranger Granite Co. (successors)
Muth, Geo. F., & Co., glass, 418 13th, N. W., Washington, D. C.
Mutschler, A., & H. G., machsts., Rochester, N. Y.
Mutton Hollow Fire Brick Co., Woodbridge, N. J.
Mutty, L. J., Co., artificial leather, rubber cloth, etc., 175 Congress, Boston, Mass.
Mutual Auto Accessories Co., metal polish & windshields, 1777 B'way, New York.
Mutual Beer Pump Co., 809 3d av, New York.
Mutual Box Board Co., Utica, N. Y.
Mutual Chem. Co. of Am., 55 John, New York.
Mutual Coal & Mining Co., O'Fallon, Ill.
Mutual Constr. Co., 155 N. Clark, Chicago, Ill.
Mutual Elec. & Mach. Co., battery cut-out bases, nuts, switches, etc., 232 Fort, W. Detroit, Mich.
Mutual Fertilizer Co., Savannah, Ga.
Mutual Fdy. & Mach. Co., Atlanta, Ga.
Mutual Guano Co., fertilizer mfrs., Ozark, Ala.
Mutual Lamp Mfg. Co., leaded glass shades, 21 E. Houston, New York.
Mutual Lbr. Co., Tenino, Wash.
Mutual Machine Co., universal joints mfrs., 27 Wells, Hartford, Conn. *See adv. index at end of book.*
Mutual Mfg. Co., tea wagons, Dayton, Ohio.
Mutual Milling & Supply Co., flour, Harrisonburg, Va.
Mutual Mining Co., Savannah, Ga.
Mutual Motors Co., Jackson, Mich.
Mutual Oil Co., lubrg., Interstate Bldg., Kansas City, Mo.
Mutual Plate & Window Glass Co., 1921 Mission, San Francisco, Cal.
Mutual Refining Co., oils & naphtha, Warren, Pa.
Mutual Supply Co., mill & facty. supplies, 87 Penna av, Newark, N. J.
Mutual Trunk Co., auto bldrs., Sullivan, Ind.
Mutual Warehouse Co., fertilizer m'frs., Montgomery, Ala.
Mutual Wheel Co., Moline, Ill.
Muzzal, F. E., contractor, Crown Point, Ind.
Muzzy-Lyon Co., Ltd., die cast castings, 161 Larned W., Detroit, Mich.
M. & W. Co., inc. lamps, 30 Taylor, Springfield, Mass.
M. W. Supply Co., rail anchors, Real Estate Trust Bldg., Philadelphia, Pa.
Myall-Wallace Co., case hardening, 17 E. Austin av, Chicago, Ill.
Mycock Mach. Wks., porcelain dies, Trenton, N. J.
Myer, Berlin F., masons' & bldrs.' matls., Towanda, Pa.
Myer-Bridges Co., corn brooms, Louisville, Ky.
Myer, Henry G., contractor, Arlington Heights, Ill.
Myer-Moran Co., The, 210 N. Holiday, Baltimore, Md.
Myer, O. C., & Co., steel tanks, 30 Franklyn, B'klyn, N. Y.
Myer, R. A., Lbr. Co., Honey Island, Texas.
Myers Bros., furnaces, Dover, O.
Myers, C. A., Awl Co., harness awls, 6316 University av, Chicago, Ill.



Myers, C. B., Constr. Co., Atlanta, Ga.
Myers, C. H., machsts. & fndrs., Le Roy, Ill.
Myers Carriage Co., Franklin, Pa.
Myers, Chas. E., contractor, Wolcottville, Ind.
Myers, Christopher, architect, 460 Bloomfield av, Montclair, N. J.
Myers Constr. Co., Manchester & Yale, St. Louis, Mo.
Myers, D. J., architect, Lippy Bldg., Seattle, Wash.
Myers & Davis, flour mills, New Tazewell, Tenn.
Myers, E. A., Co., auto bldrs., 4101 Senate, Pittsburgh, Pa.
Myers, E. H., machst., Myerstown, Pa.
Myers, E. L., contractor, Norfolk, Va.
Myers, E., Lye Co., mfrs., 3d & Clark, St. Louis, Mo.
Myers, Elwood Co., advertising specialties, Springfield, O.
Myers, F. E., & Bro., pumps, agricultural implements, etc., 90 Fourth, Ashland, Ohio. *See adv. index at end of book.*
Myers, G. A., & Co., mill, facty. & steam fittrs. supplies & whol. hdwe., 63 Washington, Paterson, N. J.
Myers, G. Edward, Co., contrs., Montclair, N. J.
Myers, G. T., & Co., canned goods, Seattle, Wash.
Myers Hardware Co., Lexington, Va.
Myers, J. E., masons' & bldrs.' matls., Penns. Station, Pa.
Myers, J. M., architect, Hanover, Pa.
Myers, Jacob, Sons Co., contractors, Witherspoon Bldg., Philadelphia, Pa.
Myers, Jos. F., Jr., & Co., contractors, 1237 Ridge, Phila., Pa.
Myers Lathe Tool Co., 416 E. 9th, Los Angeles, Cal.
Myers, L. E., Co., contractors, 53 W. Jackson blvd., Chicago, Ill.
Myers, M. P., & Co., whol. hdwe., Plattsburg, N. Y.
Myers Mach. Co., Sheybogan, Wis.
Myers Mach. Tool Co., engine lathes, Columbia, Pa.
Myers & Mahoney Plumbing Co., Portland, Me.
Myers Mfg. Co., druggists' rubber goods, Fremont, O.
Myers, Otto R., bldg. contr., Oshkosh, Wis.
Myers, R. M., & Co., pads & tablets, Rochester, N. Y.
Myers-Spalti Mfg. Co., mattresses, Houston, Tex.
Myers-Whaley Co., mining machine shovels, Knoxville, Tenn.
Myers, Wm., contractor, Pittston, Pa.
Myerson, Joseph, electrical & transmission machinery, 41 Atlantic av, Boston, Mass. *See adv index at end of book*
Myerstown Fdy. & Mfg. Co., Myerstown, Pa.
Myhre, A. E., architect, Winona, Minn.
Myles Salt Co. (Ltd.), 713 Whitney, Central Bldg., New Orleans, La.
Mynderse, W. T. B., architect, Scotia, Schenectady, N. Y.
Myrick, Franklin W., contractors, 108 S. La Salle, Chicago, Ill.
Myrick Mach. Co., Olean, N. Y.
Myrtle Desk Co., High Point, N. C.
Myrtle Lumber Co., Myrtle Creek, Oregon.
Myrtue Bros., contractors, Council Bluffs, Ia.
Mystic Milling Co., flour, Sioux City, Ia.
Mystic Mit Co., Inc., pot cleaners, 240 Main, Orange, N. J.
Mystic Rubber Corp., West Medford, Mass.
Mystic Woolen Co., Old Mystic, Conn.
Myton, W. R., architect, Johnston, Pa.
Naab Mfg. Co., gas, electric & oil, electric blow torches burners, 5904 Carnegie av, Cleveland, Ohio.
Nachman, S. J., Refinery, dextrine sugar, 314 Lafayette, New York.
Nachtigall, J. M., architect, Paxton blk, Omaha, Neb.
Nack Carriage & Wagon Wks., Mobile, Ala.
Nacke, A., & Son, machsts. & fndrs., 236 S. 9th, Phila., Pa.
Nacogdoches Oil Mill, fertz. mfrs., Nacogdoches, Tex.
Nadawah Lbr. Co., Nadawah, Ala.
Nadeau Bros., lumber, Nadeau, Mich.
Nadel, Moses J., archit., 15 Clinton, N. J.
Nadelman, Lesser, jewelery cases, 106 W. 28th, New York.
Nadherny, Jos. J., architect, 38 S. Dearborn, Chicago, Ill.
Nadig, C. H., Mfg. Co., machsts. & fndrs., Allentown, Pa.
Nadig, L. F., machst., Quakertown, Pa.
Nadler, Henry machinist, Plaquemine, La.
Nagase, D., & Co., Ltd., loofahs & iodide potassium, 120 B'way, New York.
Nagel-Chase Mfg. Co., connectors, 154 E. Erie, Chicago, Ill.
Nagel, Herman, steam & hot water htg. contr., 450 Berger Brooklyn, N. Y.
Nagel, Samuel, contractor, Geneva, N. Y.
Nagel, W. G., Electric Co., Toledo, Ohio.
Nageldinger, J., & Son, air pressure regulators, 407 E. 91st New York.
Nagele, Anton, stone producer, 2168 Western av, Cincinnati, O.
Nagely, John, hangers, Toledo, Ohio.
Nager Press Sign Co., 421-5 S. Main, St. Louis, Mo.
Nagle Engine & Boiler Works, Erie, Pa.
Nagle, Geo. W., stone, Pottstown, Pa.
Nagle, Jacob A., contractor, Allentown, Pa.
Nagle, Jno. C., auto. truck trailers, 431 Baker, Detroit, Mich.
Nagle, Louis A., & Co., masons' & bldrs.' matls., Ogontz, Pa.
Nagle Packing Co., meat, 27 Ward, Jersey City, N. J.
Nagle Steel Co., plates, Pottstown, Pa.
Nagley Mfg. Co., agricultural implements, Lyons, N. Y.
Nahcotta Canning Co., So. Bend, Wash.
Nailon Bros. Co., mill & facty., plumbers' & steam fitters' supplies, Peoria, Ill.
Nairn, Gillies Co., lumber mfrs., Burlington, Ia.
Nairn Linoleum Co., Kearny, N. J.
Naismith, Geo., & Son, furnace bldrs. & contrs, 6312 Butler Pittsburgh, Pa.

k Packing Co., San Francisco, Cal.
& Co., sashes, doors & blinds, etc., Austin, Tex.
T. E., machst., Culpepper, Va.
agon Lbr. Co., Cable, Wis.
co Products Co., panel board cabinets, 401 E. 23rd, New ork.
Iron Wks., Nampa, Idaho.
Nathan, second hand bags, 434 E. Houston, New York.
n, Chas. B., & Son, machsts. & fndrs., 108 Lawrence, ew York.
mond River Brick & Tile Co., Norfolk, Va.
a Chemical Co., wood alcohol, Nansen, Pa.
Composition & Paint Co., 44 Pearl, New York.
Clock Co., time recorders, 178 Fulton, New York.
Canning Co., Edinburg, Ind.
och Knife Co., Napanoch, N. Y.
ne Lbr. & Mfg. Co., Napavine, Wash.
-Browning Co., advtg. nov. & spec., 105 W. 40th, New ork.
Chem. Co., almond meal, 80 Pearl, New York.
Iron Works, Nashville, Tenn.
Saw Works, Inc., Springfield, Mass.
Lumber Co., Ltd., Naples, La.
on Cypress Co., Ltd., Napoleonville, La.
on Lumber & Handle Co., Napoleon, Ohio.
on Motors Co., auto bldrs., Travers City, Mich.
no, Louis, scrap rubber, 17 Van Buren, Newark, N. J.
ee Lumber & Mfg. Co., silos, Nappanee, Ind.
Washing Tablet Co., see Delbare Mfg. Co. (successors).
ore, Edgar H., lumber mfrs., Winchester, N. H.
ore, F. A., archit., University Club, Portland, Ore.
, J. F., architect, Richmond, Cal.
e, Samuel, & Co., contrs., Westerly, R. I.
F., Co., contractors, 1226 Fitzwater, Philadelphia, Pa.
tz Heating & Ventg. Co., 225 W. Lake, Chicago,, Ill.
ansett Belting Co., leather belting, 68 W. Exchange, ovidence, R. I.
ansett, Fdry. Co., Providence, R. I.
ansett Improvement Co., 122 Public, Providence, R. I.
ansett Machine Co., machsts. & engrs., ft of Vale, Provi- ace, R. I.
ansett Mch. Co., mill & factory supplies, Pawtucket, R. I.
ansett Mills, automobile cloth, 239 Fourth av, New rk.
Fabric Co., corset & shoe laces, Reading, Pa.
Fabric Corp., cotton & elastic webbing, New Haven, on.
s Milling Co., flour, Narrows, Va.
& Schroeder, brick & tile, Glandorf, Ohio.
. E., machst. & fndr., 51 Chardon, Boston, Mass.
rthur C., architect, 345 5th av, New York.
ros., contractors, 10 S. La Salle, Chicago, Ill.
. A., & Son, glass & sash doors & blinds, Norfolk, Va.
Caleb, iron fencing, Mt. Vernon, N. Y.
owdle Co., contractors, 29 S. La Salle, Chicago, Ill.
Duane H., agricultural implements, Millington, N. J.
. W., Co., glue mfrs., 559 Atlantic av, Boston, Mass.
ngn'g Co., compressors, pumps, etc., S. Norwalk, Conn.
. & C. B., Co., cornices, Portland, Me.
ardware Co., Fort Worth, Tex.
. M., machst., 842 30th, Milwaukee, Wis.
otors Co., The, auto mfrs., Kenosha, Wis.
. M., & D. W., cornices, Portland, Me.
binson Co., masons' & bldrs.' matls., Waco, Tex.
. H., & Sons, contractors, 364 E. 142d, New York
tanley, contractor, Dorranceton, Pa.
hos., architect, 52 Vanderbilt av, New York.
Building Co., Nashua, N. H.
Co-operatilve Iron Fdy. Co., Nashua, N. H.
Granite Co., Nashua, N. H.
Gummed & Coated Paper Co., Nashua, N. H.
Mach. Co., 127 Federal, Boston, Mass., & Nashua, N. H.
Mfg. Co., blankets & flannels—cotton, Nashua, N. H.
River Paper Co., Pepperell, Mass.
Saddlery Hdwe. Co., Nashua, N. H.
Spool & Bobbin Co., Grove Hall Station, Boston, Mass.
Steam Press & Boiler Works, Nashua, N. H.
Woolen Mills, Nashua, Ia.
e Abattoir, Hide & Melting Ass'n, meat packers, Nash- e, Tenn.
e Bridge Co., steel structural work, Nashville, Tenn.
e Builders' Supply Co., Nashville, Tenn.
e Cut Stone Co., Nashville, Tenn.
e Hardwood Flooring Co., Nashville, Tenn.
e Machine Co., Nashville, Tenn.
e Pottery Co., Nashville, Tenn.
e Press Brick Co., Nashville, Ill.
e Roller Mills, flour, Nashville, Tenn.
e Saddlery Co., Nashville, Tenn.
e Spring & Mattress Co., Nashville, Tenn.
e Tie Co., Nashville, Tenn.
e Trunk & Mfg. Co., Nashville, Tenn.
Fred. W., Co., engines, regulators & gov. pumps, 39 tlandt, New York.
lfg. Co., engineering supplies & specialties, 71 Fulton, York.

Nason, R. N., & Co., lubricating oils & greases, 151 Potrero av, San Francisco, Cal.
Nass, Geo., & Son, lbr., Broad & Vine, Philadelphia, Pa.
Nass & Hare Constr. Co., 113 Tasker, Philadelphia, Pa.
Nassau Fertilizer Co., 2 Rector, New York.
Nassau Mills Corp., paper, Buck Run, Pa.
Nassau Sand & Gravel Co., 949 B'way, New York
Nassau Smelting & Refining Works, bar solder & electrotype metals, 603 W. 29th, New York.
Nassau Sponge Co., 234 W. Lake, Chicago, Ill.
Nassau Steel & Iron Works, ornamental iron & structural steel, 525 58th, Brooklyn, N. Y.
Nassau Sulphur Wks., brimstone, 92 William, New York.
Nassau Valve & Pump Corp., acid metal pumps & chem. apparatus, Rockville Centre, L. I., N. Y.
Nast, Adolph S., architect, 56 W. 45th, New York
Nast Bros. Lime & Stone Co., Marblehead, Wis.
Nast, D., Machy Co., mill & factory supplies, Bourse, Philadelphia, Pa.
Natalbany Lumber Co., Ltd., Kentwood, La., & Hammond, La.
Nathan, Chas. E., second hand pipe, 133 W. Washington, Chicago, Ill.
Nathan, M. O., architect, 53 W. Jackson blvd., Chicago, Ill.
Nathan Mfg. Co., machsts. & fndrs.—cocks, steam fire extinguishers, lubricators, valves, etc., 416 E. 106th, New York.
Nathan Nov. Mfg. Co., auto trunks, baskets, etc., 55 5th av, New York.
Natick Box & Board Co., packing boxes, mfrs., Natick, Mass.
National Abrasive Co., abrasive mfrs., 209 Washington, Boston, Mass.
National Acme Co., automatic screw machy. & products, 7500 Stanton av, S. E., Cleveland, Ohio.
National Adding Machine Co., machsts. & fndrs., 1366 W. 70th, Cleveland, Ohio.
National Advertising Co., advertising novelties, Seneca Falls, N. Y.
National Advtg. Co., novelties, Coxton Bldg., Cleveland, Ohio.
National Aeroplane Co., 555 Washington blvd., Chicago, Ill.
National Air Cell Covering Co., pipe & boiler coverings, 163 Henderson, Jersey City, N. J.
National Airoil Burner Co., 9th & Thompson, Phila., Pa.
National Aluminum Co., bronze bushings, castings, solder & welding rods, Racine, Wis.
National Ammonia Co., chemicals, ammonia & pyridine, Phila., Pa., & 3600 N. B'way, St. Louis, Mo.
National Aniline & Chemical Co., Inc., 21 Burling Slip, New York
National Appraisal Co., 261 Franklin, Boston, Mass.
National Art Bronze Wks. Co., brass, bronze & aluminum castings, Pope & Carrie av, St. Louis, Mo.
National Art Glass Co., 5247 S. Green, Chicago, Ill.
Nationala Art Wks., advtg. signs, Covington, Ky.
National Asbestos Mfg. Co., 193 Henderson, Jersey City, N. J.
National Asbestos Packing Mfg. Co., packing mfrs., 2 Stone, New York.
National Ass'n of Window Glass Mfrs., 1st Nat'l Bank Bldg., Pittsburgh, Pa.
National Auto Top Co., 244 W. 49th, New York.
National Automatic Knitter Co., textile machy., supplies, etc., 2725 Nutter, Philadelphia, Pa.
National Automatic Press Co., printing presses, Lehighton, Pa.
National Automatic Tool Co., Richmond, Ind.
National Base Ball Mfg. Co., Schenectady, N. Y.
National Bauxite Co., 35th & Grays Ferry, Philadelphia, Pa.
National Bedding Co., cotton felt mattresses, 237 S. 2d, Philadelphia, Pa.
National Bedding Co., mattresses, 510 Cherry, New York.
National Bedding Co., mattresses, Leavenworth, Kan.
National Bedding Co., mattresses, Memphis, Tenn.
National Bell Fdry. Co., church, form, etc., bells, Cincinnati, Ohio.
National Belting Co., Elyria, Ohio
National Belting & Hose Co., 13th & Pine, St. Louis, Mo.
National Belting & Salvage Co., mill & factory supplies, 600 E. Water, Milwaukee, Wis.
National Billiard Mfg. Co., 20 W. Canal, Cincinnati, Ohio.
National Binding Machine Co., gummed tapes, 260 West, New York.
National Blank Book Co., loose leaf devices, Holyoke, Mass.
National Blow Pipe & Mfg. Co., 738 Dryades, New Orleans, La.
National Blue Print Co., black prints & paper, 110 W. 32d, New York.
National Boiler & Sheet Iron Wks., Indianapolis, Ind.
National Boiler Spec. Co., boiler tube cleaner, Elgin, Ill.
National Boiler Washing Co. Ry. Exchange Bldg., Chicago, Ill.
National Bolt & Nut Co., 62nd & A. V. R. R., Pittsburgh, Pa.
National Box Co., packing box mfrs., 38th & Racine av, Chicago, Ill., & Natchez, Miss.
National Brake & Clutch Co. See Cork & Insert Co. (successors)
National Brake Co., machsts., Ellicott sq., Buffalo, N. Y.
National Brake & Elec, Co., air compressors, Pacific Bldg., San Francisco, Cal.
National Brake & Elec. Co., ft. Belleview pl, Milwaukee, Wis.
National Brass Co., fndrs., Grand Rapids, Mich.
National Brass & Copper Co., Lisbon, Ohio.
National Brass & Copper Tube Co., 41 Park row, New York.

National Brass & Copper Tube Co., 639 Mission, San Francisco, Cal.
National Brass Mfg. Co. brass cocks, valves, etc., Rochester, N. Y.
National Brass Mfg. Co., cabinet hdwe. mfrs., Cincinnati, Ohio.
National Brick Co., 118 N. La Salle, Chicago, Ill.
National Bridge Co., reinf. concrete steel const., Indianapolis, Ind.
National Bridge Wks., Review av, Long Island City, N. Y.
National Bronze & Aluminum Castings Co., 974 E. Garfield, Detroit, Mich.
National Bronze & Aluminum Foundry Co., 2539 E. 79th, Cleveland, Ohio.
National Bronze Fdry., Buffalo, N. Y.
National Broom Co., Lockport, N. Y.
National Brush Co., Aurora, Ill.
National Bldr., trade publication, 542 S. Dearborn, Chicago, Ill.
National Builders' Co., 157 Michigan, Milwaukee, Wis.
National Builders', Inc., portable houses, Saginaw, Mich.
National Building Granite Quarries Ass'n, Inc., 31 State, Boston, Mass.
National Building Supply Co., North av & Oak, Baltimore, Md.
National Bush Co., 2 Rector, New York.
National Calendar Co., advtg. novelties, 1014 Flint, Cincinnati, O.
National Can Co., 121 N. Caroline, Baltimore, Md., & 36 Washington, Boston, Mass.
National Can Co., litho metal boxes, Grand blvd. & D. & M. R. R., W., Detroit, Mich.
National Canning Co., Olympia, Wash.
National Car Coupler Co., machsts. & fndrs., 332 S. Michigan av, Chicago, Ill.
National Car Seal Co., Hamilton, Ohio.
National Car Wheel Co., machsts. & fndrs., Keystone Bldg., Pittsburgh, Pa.
National Carbon Co., wet & dry batteries, motor & generator brushes, etc., Madison av, N. W., & W. 117th, Cleveland, Ohio.
National Card Mat & Board Co., 218 W. Superior, Chicago, Ill.
National Cash Register Co., Dayton, Ohio.
National Casket Co., 7th & Duquesne wy, Pittsburgh, Pa.
National Cast Iron Pipe Co., machsts. & fndrs., Birmingham, Ala.
National Castings Co., gray iron, Marietta, Pa.
National Chain Co., College Point, Long Island, N. Y.
National Check Protecting Co., Minneapolis, Minn.
National Chemical Co., Syracuse, N. Y.
National Chemical Co., wood alcohol, Bradford, Pa.
National Chemical Co. of California, 526 S. Alameda, Los Angeles, Cal.
National China Co., Salineville, Ohio.
National Clay Co., Hatton, Ohio.
National Clay Refining Co., 430 Walnut, Phila., Pa.
National Clay Works, Mason City, Iowa.
National Clock & Mfg. Co., 20 W. Lake, Chicago, Ill.
National Cleaner & Dyer, trade publications, 124 N. Ann, Chicago, Ill.
National Clutch Co., clutches, 1859 Fulton, Chicago, Ill.
National Coal Co., Rockefeller Bldg., Cleveland, Ohio.
National Coated Paper Corp., Pawtucket, R. I.
National Cob Pipe Wks., Union, Mo.
National Coil Co., Lansing, Mich.
National Color & Chemical Wks., 59th & 11th av, New York.
National Co., rubber substitutes, 80 E. Jackson blvd., Chicago, Ill.
National Co., toys & stampings, 277 Congress, Boston, Mass.
National Concrete Co., Lemcke Bldg., Indianapolis, Ind.
National Concrete Const. Co., Louisville, Ky.
National Concrete Constr. Co., architects, 123 W. Madison Chicago, Ill.
National Concrete Fireproofing Co., Citizens Bldg., Cleveland, Ohio
National Conduit & Cable Co., tel., feeders, etc., wire, 41 Park row, New York, and Hastings on Hudson, N. Y.
National Coning Machy. Co., Indianapolis, Ind.
National Constr. Co., Met. Life Bldg., Minneapolis, Minn.
National Constr. Co., 6120 Jenkins Arcade, Pittsburgh, Pa.
National Contr. Co., contrs., River & Harbor, Evansville, Ind.
National Cooperage & Woodenware Co., Peoria, Ill.
National Copper Refining Co., 7003 Quincy, Cleveland, O.
National Cornice Wks., 1327 Channing, Los Angeles, Cal.
National Cornices & Skylight Wks., 417 E. 9th, New York.
National Corrugated Culvert Mfg. Co., Warren, Pa.
National Cotton Oil Co., Montgomery, Ala.
National Crayon Co., West Chester, Pa.
National Cutlery Co., Westmoreland & Boudinot, Phila., Pa.
National Dairy Machine Co., Goshen, Ind.
National Decalcomania Co., transfer ornaments, 240 N. 60th, Phila., Pa.
National Desk Co., Herkimer, N. Y.
National Dictagraph Co., interior telephones, 220 W. 42d, New York.
National Dish Water Co., dish washing machs., Binghamton, N. Y.
National Disinfect'g Co., 306 E. 59th, New York.
National Drain Tile Co. See Streator Drain Tile Co. (successors)
National Drawn Steel Co., E. Liverpool, Ohio.



National Dredging & Lighterage Co., filtering & sand blast sa & gravel dealers, North American Bldg., Philadelphia, Pa
National Drill Co., Cambridge City, Ind.
National Druggist, trade publications, Century Bldg., St. Lou Mo.
National Dry Dock & Repair Co., ship bldrs., West New Bright S. I., N. Y.
National Dry Kiln Co., Indianapolis, Ind.
National Dump Car Co., 80 E. Jackson blvd, Chicago, Ill.
National Duplicator Co., 72 Pine, New York
National Dust-Down Co., sweeping compounds, 102 N. 1 Brooklyn, N. Y.
National Duster Co. (Ltd.), 736 S. 2d, Phila., Pa.
National Egg Carrier Co., Council Bluffs, Ia.
National Elec. Co., cooking app., 140 W. Austin av. Chicago,
National Elec. Co., signs, Bel Air rd, Baltimore, Md.
National Elec. Controller Co., storage battery charging se 154 Whiting, Chicago, Ill.
National Elec. Laboratories, 117 Front, New York.
National Electric Lighting Co., Wilton Junction, Ia.
National Electric Porcelain Co., Carey, Ohio.
National Electric Signaling Co., wireless telegraph instr Farmers' Bank Bldg., Pittsburgh, Pa.
National Electric Specialty Co., Toledo, O.
National Electric Water Heater Corp., Times Bldg., New Y
National Elec'l Mfg. Co., massage vibrators, 1161 B'way, N York.
National Electrical Supply Co., 1330 New York av, N. Washington, D. C.
National Electrolytic Co., potash—chemicals, Niagara Fa N. Y.
National Elevator Co., machsts., 124 Longworth, Cincinn Ohio, and 62 W. 45th, New York.
National Enamel'g & Stamp'g Co., army canteens, 411 5th New York.
National Engineer, trade publication, 417 S. Dearborn, C cago, Ill.
National Engng. Co., crankshafts, Saginaw, Mich.
National Engineering Co., sand mixing machines & scre separators, 549 W. Washington blvd, Chicago, Ill.
National Engng. & Equipment Co., hydraulic rams; air co pressors; heating & power boilers, Seattle, Wash.
National Engineering & Tool Works, engine lathes, Oak Pa Ill.
National Envelope Co., 424 W. Liberty, Cincinnati, Ohio, a Waukegan, Ill.
National Equipment Co., machsts., Springfield, Mass.
National Equipment Co., tackle blocks, derricks, etc., 122 Michigan, Chicago, Ill.
National Excavatalon & Foundation Co., 507 5th av, New Yo
National Expanding Envelope Co., 110 Worth, New York.
National Farm Equipment Co., Inc., 98 Chambers, New Y
National Felt Co., Easthampton, Mass.
National Fertilizer Co., 2 Rector, New York.
National Fibrestok Envelope Co., 427 Moyer, Phila., Pa.
**NATIONAL FIBRE & INSULATION CO.,** Yorklyn, Del.
National Fibre Products Co., felts, moss, etc., 321 S. Jeffers Chicago, Ill.
National Filter Cloth & Weaving Co., 57 Hope, Brooklyn, N.
National Fire Brick Co., Strasburg, Ohio.
Nat. Fire Proof'g Co., fire brick, Flatiron Bldg., New York.
National Fire Proofing Co., fire doors, 450 W. Broad, Columb Ohio.
National Fire Proofing Co., Fulton Bldg., Pittsburgh, Pa.
National Fireproofing Sash & Door Co., 449 Stagg, Bklyn, N.
National Fireworks Distributing Co., 64 Sudbury, Boston, Ma
National Flag Co., 1012 Flint, Cincinnati, Ohio.
National Flexible Glue Co., 169 N. Jefferson, Chicago, Ill.
National Flue Cleaner Co., Trenton, N. J.
National Fly Paper Co., Kenosha, Wis.
National Folding Box Co., New Haven, Conn.
National Forge & Tool Co., lathe spindles, tool holders & low forgings, Irvington, Pa.
National Foundation & Engineering Co., Citizens' Bldg., Cle land, Ohio.
National Fndry. Co., Albuquerque, N. Mexico, Erie, Pa., & 2 av & Pk., Milwaukee, Wis.
National Foundry Co. of N. Y., 10 Sanford, Brooklyn, N. Y.
National Fdry. & Mach. Co., Louisville, Ky.
National Foundry Mfg. & Supply Co., Williamsport, Pa.
National French Fancy Nov. Co., toys, games & nov., 276 H dale, Brooklyn, N. Y.
National Fuel Co., coke, Oliver Bldg., Pittsburgh, Pa.
National Fulton Brass Mfg. Co., machsts. & fndrs., 28 Bru Detroit, Mich.
National Furnace Co., Dayton, Ohio.
National Galvanizing Co., hot process galvanizing, 1918 roll av, Chicago, Ill.
National Galvanizing & Plating Equipment Corp., 52 B'w New York.
National Gas Furnace Co., 9 Codding, Providence, R. I.
National Gas Governor Co., gas regulators, 56 W. 45th, York.
National Gauge Co., gauge mfrs., 300 Pacific, Brooklyn, N.
National Gauge & Equipment Co., gauges & thermometers, Crosse, Wis. *See adv. index at end of book.*

nal Gear Wheel Fdry., gears (machine moulded), South & Walker, Pittsburgh, Pa.
nal Glass Co., 705 Blue Island av, Chicago, Ill.
nal Glove Co., Columbus, Ohio.
nal Glue Co., 539 W. 14th, Indianapolis, Ind.
nal Glue & Gelatine Wks., 11th av & 59th, New York.
nal Granite Co., Montpelier, Vt.
nal Graphite Lubricator Co., Scranton, Pa.
nal Grinding Wheel Co., 2984 Main, Buffalo, N. Y.
nal Gum & Mica Co., glue, paste, starch, size, etc., mfrs., 9th & 11th av, New York.
nal Hair Cloth Co., 2950 N. Jasper, Phila., Pa.
nal Handle Co., Cleveland, Ohio.
nal Hanger & Fixture Mfg. Co., 496 E. 134th, New York.
nal Hardware Co., 327 W. 4th, Cincinnati, Ohio.
nal Hdwe. Stores, Inc., 309 B'way, New York
nal Hardware & Supply Co., Duluth, Minn.
nal Harness Review, trade publications, 1054 Buena av, hicago, Ill.
nal Harrow Co., harrows & pulverizers, Le Roy, Ill.
nal Heater Co., Cleveland, Ohio.
nal Htg. Co., 2050 Geyser av, St. Louis, Mo.
nal Helmet Co., 250 W. 54th, New York.
nal Hoisting Engine Co., machsts., Harrison, N. J.
al Home Bldg. Co., portable houses, Portland, Ore.
nal Incubator Co., Racine, Wis.
nal India Rubber Co., rubber goods—druggists', surgical & ech'l, etc., Bristol, R. I.
nal Indicator Co., egg beaters, 852 Vernon av, Long land City, N. Y.
nal Inspection Co., fire extinguishers, 1617 Sansom, Philalphia, Pa.
nal Insulating & Mfg. Co., Indianapolis, Ind.
al Iron Co., Duluth, Minn.
nal Iron & Steel Publishing Co., 108 Smithfield, Pittsurgh, Pa.
Iron & Wire Co., Cleveland, Ohio.
al Iron Works, Inc., archtl. iron work, Hartford, Conn.
al Jack Co., 2nd & Central, Cincinnati, O.
nal Jack & Mfg. Co., 130 S. Clinton, Chicago, Ill.
nal Jewelry Case Co., 70 Exchange, Buffalo, N. Y.
nal Kellastone Co., sanitary flooring & stucco, 5 S. Wash av, Chicago, Ill.
nal Knitting Co., gloves, socks, 905 Clinton, Milwaukee, Vis.
nal Knitting Wks., sweaters, etc., Randolph & Jefferson, hila., Pa.
al Knitting Works Co., bathing suit mfrs., 1967 E. 57th, leveland, Ohio.
nal Labeling Machine Co., 342 Vernon av, Long Island ity, N. Y.
nal Lamp Wks., of Gen'l Elec. Co., mazda lamps, Nela ark, Cleveland, Ohio.
al Lathe Co., 15 W. 2d, Cincinnati, Ohio.
al Ldry. Journal, trade publications, 124 N. Ann, Chigo, Ill.
al Lead Co., linseed oil & cake mills, 1406 W. 13th, Kans City, Mo., and 111 B'way, New York.
al Lead Co., of Mass., linseed oil, 131 State, Boston, ass.
al Lead & Oil Co. of Pa., Commonwealth Bldg., Pittsrgh, Pa.
al Leather Belt'g Co., asbestos brake lin'g, etc., 342 E. 3th, New York.
al Leather Mfg. Co., belting, packing, loomstrapping frs., etc., Niles, Mich.
al Life Preserver Co., life saving suits, 11 B'way, New rk.
al Lime & Stone Co., Carey, Ohio.
al Limestone Co., Naginey, Pa.
al Liter Sales Co., gas & cigar lighters, Woodhaven, Y.
al Lock Co., Rockford, Ill.
al Lock Washer Co., machsts., 65 Johnson, Newark, N. J.
al Lbr. Co., Mt. Gilead, N. C.
al Lumber & Creosoting Co., Texarkana, Ark.
al Lumber & Mfg. Co., Hoquiam, Wash.
al Mach. Co., Hartford, Conn., 686 Nat. av, Milwaukee, is., & 507 Orange, Wilmington, Del.
al Mach. Co., postage stamp affixing machines, Brattboro, Vt.
al Mach. & Const. Co., Kansas City, Mo.
al Mach. & Stamping Co., lawn mower sharpeners, Detoit, Mich.
al Mach. & Tool Co., 253 A, Boston, Mass.
al Machine Tool Co., Cincinnati, Ohio.
al Mach. Wks., 1559 Sheffield av, Chicago, Ill.
al Machinery Co., bolt, nut, etc., machinery, Tiffin, Ohio.
al Machy. Co., cotton machy., 11 Eddy, Providence, R. I.
al Malleable Castings Co., 7706 Platt av S. E., Clevend, Ohio.
al Mantel Co., McKeesport, Pa.
NAL MFG. CO., slack cooper stock, Dime Savings Bank dg., Detroit, Mich.
al Mfg. Co., machsts., Sterling, Ill. & West Unity, Ohio.
al Mfg. Co., seed testers, hdwe. specialties, Des Moines, Ia.
National Mfg. Co. See Wickwire Spencer Steel Corp. (successors)
National Mfg. & Electro Plating Co., 16 Calendar, Providence, R. I.
National Mfg. & Engng. Co., pckg. mfrs., valve seats, etc., 1537 Race, Phila., Pa.
National Mfg. & Steel Supply Co., 781 Summit, Newark, N. J.
National Mfg. & Supply Co., plumbers, mill & facty. supplies—jobbers, 256 3d av S., Minneapolis, Minn.
National Map Co., Indianapolis, Ind.
National Marine Engine Works, Inc., Scranton, Pa.
National Marine Lamp Co., flash lights, Forestville, Conn.
National Marking Mach. Co., 1054 Gilbert, Cincinnati, Ohio.
National Mattress Co., Lynchburg, Va.
National Mechanical Corp., 125 S. Racine av, Chicago, Ill.
National Megaphone Co., Wakefield, Mass.
National Metal Edge Box Co., 1217 Callowhill, Phila., Pa.
National Metal Molding Co., electrical conduits & fittings, 1110 Fulton Bldg., Pittsburgh, Pa.
National Metal Seal Corp., bottle, glass & jar caps, 30 Church, New York.
National Metal Spinning & Stamping Co., 176-180 Grand, New York.
National Metal Stamp & Mfg. Co., fire engines, phonographic horns, shades & reflectors, etc., 494 Mulberry, Newark, N. J.
National Metalware Co., Inc., tinware, 95 S. 5th, Brooklyn, N. Y.
National Metal Weather Strip Co., 117 W. Erie, Pittsburgh, Pa.
National Metallic Bed Co., machsts. & fndrs., Everett, Mass.
National Metallic Sash Co., window frames, 355 Union Park Court, Chicago, Ill.
National Meter Co., 299 B'way, New York, & 42d & 1st av, Brooklyn, N. Y.
National Mill Supply Co., Fort Wayne, Ind.
National Mill & Lumber Co., general mill work, 5th & Bryant, San Francisco, Cal.
National Milling Co., 820 Flour Ex., Minneapolis, Minn., & Toledo, Ohio.
National Milling & Chemical Co., casein, Harper's Mills, Phila., Pa.
National Mirror Wks., Rockford, Ill.
National Mortar Co., 101 M, N. E., Washington, D. C.
National Mortar & Supply Co., masons' & bldrs.' matls., 2d Nat'l Bk. Bldg., Pittsburgh, Pa.
National Mosaic Co., marble, 338 Pennsylvania av, Washington, D. C.
National Mosaic Tile Co., Mobile, Ala.
National Mosaic Tile Co., ceramic tile, 2101 S. Kedzie av, Chicago, Ill.
National Motor Car & Vehicle Corp., 1004 E. 22nd, Indianapolis, Ind.
National Motor Co., clothes washing machines, Springfield, O.
National Motor Supply Co., gasoline savers, 5604 Euclid av, Cleveland, Ohio.
National Moving Picture Co., machy., 537 S. Dearborn, Chicago, Ill.
National Musical String Co., New Brunswick, N. J.
National Neck Yoke Co., Rock Island, Ill.
National Novelty Co., machsts., 519 3d S., Minneapolis, Minn.
National Oats Co., Cedar Rapids, Ia.
National Oil Co., soap & greases, 17 Battery pl, New York.
National Oil Products Co., Harrison, N. J.
National Oil & Sup. Co., 180 Frelgysen av, Newark, N. J.
National Oven Co., Beason, N. Y.
National Oxygen Co., 105 W. Monroe, Chicago, Ill.
National Packaging Machinery Co., machsts., 172 Green, Jamaica Plains, Boston, Mass.
National Paint & Manganese Co., Lynchburg, Va.
National Paint & Varnish Co., 8709 Kinsman rd, Cleveland, O.
National Paper Co., paper bags, Atlanta, Ga.
National Paper Mills & Filler Co., W. 43d & S. Racine av, Chicago, Ill.
National Paper Products Co., towels, San Francisco, Cal.
National Papeterie Co., Holyoke, Mass.
National Park Lumber Co., Idaho Falls, Idaho
National Patent Reed Co., Unionville, Conn.
National Pearl Wks., buttons, 30 E. 23d, New York, & 502 Mulberry, Newark, N. J.
National Pencil Co., Atlanta, Ga.
National Petroleum News, trade publication, Caxton Bldg., Cleveland, Ohio.
National Piano Bench Co., 1433 Carroll av, Chicago, Ill.
National Piano Co., 621 Albany, Boston, Mass.
National Piano Mfg. Co., automatic pianos, Grand Rapids, Mich.
National Pickle & Canning Co., Blue Island, Ill.
National Pin & Bracket Co., insulator, North Vernon, Ind.
National Pin Co., Derby, Conn.
National Pipe Bending Co., feed water heater, pipe coils & bends, New Haven, Conn.
National Pipe Die & Machine Co., Archbold, Ohio.
National Pipe & Fndry. Co., Attalla, Ala.
National Plaster Board Co., Cleveland, Ohio.
National Plastic Relief Co., 330 Main, Cincinnati, O.
National Plumbing & Heating Supply Co., 6044 S. State, Chicago, Ill.
National Pneumatic Co., car doors, 50 Church, New York.
National Pole Co., ties, poles & posts, Escanaba, Mich.

National Porcelain Co., Trenton, N. J.
National Pottery Co., Roseville, Ohio
National Pottery Co., Inc., china, Belleville, N. J.
National Power Machy. Co., 1914 Scranton rd, Cleveland, Ohio.
National Pressed Brick Co., Mascoutah, Ill., & 407 N. 8th, St. Louis, Mo.
National Pressed Steel Co., cold rolled strip steel, Massillon, O.
National Printing Mchy. Co., Athol, Mass.
National Production Co., jigs, fixtures & special machy., Bellevue & Benson, Detroit, Mich.
National Products Co., 2d-hand machy. dlrs., East Liverpool, O.
National Provisioner, trade publication, 116 Nassau, New York.
National Pulp & Turpentine Co., Green Cove Springs, Fla.
National Pump Co., Dayton, Ohio.
National Radiator Co., Johnstown, Pa.
National Railroad Trolley Guard Co., Olean, N. Y.
National Ry. Devices Co., doors, 224 N. Desplaines, Chicago, Ill.
National Refining Co., oils, etc., Rose Bldg., Cleveland, Ohio.
National Refining Co., lubrg. oils, Indianapolis, Ind., & Springfield, Ill.
National Refining & Mfg. Co., petroleum, Bakersfield, Cal.
National Refrigerators Co., 827 Koeln av, St. Louis, Mo.
National Regulator Co., 208 S. Jefferson, Chicago, Ill.
National Retailers Adv. Corp., elec. signs, Kansas City, Mo.
National Retarder Co., Port Clinton, Ohio.
National Ribbon & Carbon Co., 1466 E. 55th, Cleveland, Ohio.
National Ring Traveler Co., textile mchy., 257 W. Exch., Providence, R. I.
National Roll & Foundry Co., Avonmore, Pa.
National Roller Chafe Iron Co., West Medway, Mass.
National Rolling Mill Co., Vincennes, Ind.
National Roofing Co., Tonawanda, N. Y., & Ware blk, Omaha, Nebr.
National Roofing Co., paper, Emigsville, Pa.
National Roofing & Supply Co., contrs., 124 W. Main, Louisville, Ky.
National Rosin Oil & Size Co., 90 West, New York.
National Rubber Co., automobile tires & tubes, Pottstown, Pa.
National Rubber & Specialties Co., rubber cement, etc., Winton pl, Cincinnati, Ohio.
National Rubber Supp. Co., mill & facty. supp., Denver, Colo.
National Safe & Lock Co., 2341 E. 69th, Cleveland, Ohio.
National Safety Fifth Wheel Co., Lancaster, Pa.
National Safety Snap Co., Wilmington, Ohio.
National Sales Co., minerals & earths, 31 E. 13th, Cincinnati, Ohio.
National Sales & Trading Co., alloys, chemicals, etc., Cleveland, Ohio
National Sand & Stone Co., Niles, Ohio.
National Sanitary Co., fndrs., Salem, Ohio.
National Sanitary Co., disinfectants, Sedalia, Mo.
National Saw Co., kraut cutters, Newark, N. J.
National Sawdust Co., sawdust, 102 N. 1st, Brooklyn, N. Y.
National Scale Co., machsts, automatic loading trucks, factory signals, etc., 11 Hendricks, Chicopee Falls, Mass.
National School Slate Co., Slatington, Pa.
National Screen Mfg. Co., 1456 Harrison av, Cincinnati, Ohio.
National Screw & Tack Co., Stanton av, S. E., & C. & P. Ry, Cleveland, Ohio.
National Selling Co., cigar packing machy., Allentown, Pa.
National Sewer Pipe Co., Webster City, Ia.
National Sewing Mach. Co., arc lamp insulators, Belvidere, Ill.
National Sheet Metal Co., Peru, Ill.
National Sheet Metal Roofing Co., 339-345 Grand, Jersey City, N. J. *See adv index at end of book*
National Shipbuilding Co., Seattle, Wash.
National Shipbuilding Co., Orange, Texas.
National Shipbuilding & Dry Dock Co., Savannah, Ga.
National Shoe Plate Mfg. Co., Cleveland, Ohio.
National Show Case Co., Columbus, Ga., & 486 Leonard, Brooklyn, N. Y.
National Silica Wks., silex, Berkeley Springs, W. Va.
National Sign Co., wood, Dayton, Ohio.
National Skylight & Ventilator Co., Rochester, N. Y.
National Smelting Co. (The), aluminum, Grant av, Cleveland, O. *See adv. index at end of book.*
National Smelting & Refining Co., 92 John, New York.
National Smelting Corp., 554 Bryant, San Francisco, Cal.
National Snap Fastener Co., 4077 Park av, New York
National Soap Co., 440 Franklin, Detroit, Mich., & Leavenworth, Kans.
National Soap Corp., 444 Southampton, Boston, Mass.
National Solder Co., 934 E. 174th, New York.
National Specialty Mfg. Co., meat choppers, coffee mills, etc., 3d & Lehigh av, Philadelphia, Pa.
National Specialty Mfg. Co., 373 B'way, Milwaukee, Wis.
National Sponge & Chamois Co., 158 William, New York.
National Spring Bed Co., New Britain, Conn.
National Spring Clip Co., clothespins, Montpelier, Vt.
National Spring Co. (The), 689 Kent av, Brooklyn, N. Y.
National Spring Co., for automobiles, New Castle, Ind.
National Spring & Wire Co., Albion, Mich.
National Stamping & Elec. Works, lamps, etc., 424 S. Clinton, Chicago, Ill.
National-Standard Co., blowers, seed mills, pumps, etc., Box 211, Niles, Mich.
National Starch Co., 17 Battery pl, New York.



National Steam Heating Co., 1130 N. Clark, Chicago, Ill.
National Steam Pump Co., Upper Sandusky, Ohio.
National Steam Spec. Co., gauges, valves, etc., 16 S. Clint Chicago, Ill.
National Steel Barrel Co., Cleveland, O.
National Steel Casting Co., machsts. & fndrs., Montpelier, I
National Steel Fndries, Belleview pl & Larkin, Milwaukee, Wi
National Steel Products Co., lock-nuts, Dayton, Ohio
National Steel Tank & Mfg. Co., Bradford, Ill.
National Stone Co., Bloomington, Ind.; 122 S. Michigan a Chicago, Ill., & New Castle, Pa.
National Stone Renovat'g Co., 409 W. 55th, New York.
National Stove Co., Div. Am. Stove Co., Lorain, Ohio.
National Sugar Mfg. Co., Sugar City, Colo.
National Sugar Refin'g Co., 129 Front, New York.
National Sulphur Co., brimstone, 80 Maiden la, New York.
National Supply Co., fuel oil, appliances, etc., 416 W. Grand a Chicago, Ill.
National Supply Co., machsts. & fndrs., Equitable Bldg., Bal more, Md., & Independence, Kans.
National Supply Co., mill & facty. supplies, Toledo, Ohio.
National Supply Co., mill & factory supplies, Union Bank Bld Houston, Tex., & Pittsburgh, Pa.
National Supply & Constr. Co., reinf. concrete steel cons Ellwood City, Pa.
National Supply & Equipment Co., foundry facings, Bullet Bldg., Philadelphia, Pa.
National Supply & Mfg. Co., door hangers, wood skewers, et 2362 Palm, St. Louis, Mo.
National Supply Co. of Texas, machy. dlrs., Beaumont Humple, Texas.
National Surety Co., indemnity bond ins., 115 B'way, Ne York.
National Surface Guard Co., 343 S. Dearborn, Chicago, Ill.
National Sweeper Co., Division of The Torrington Co., ha vacuum cleaners, 59 Field, Torrington, Conn.
National Synthetic Co., chemicals, Perth Amboy, N. J.
National Tack Co., East Bridgewater, Mass.
National Tag Co., Dayton, Ohio.
National Tank & Mfg. Co., 11th & Santa Fe av, Los Angel Cal.
National Tank & Pipe Co., wood, Portland, Ore.
National Telegraphone & Supply Co., El Paso, Texas.
National Telephone Supply Co., 5100 Superior av, Cleveland,
National Terra Cotta Co., s. cor. 16th & Oakland, Kansas Cit Mo.
National Textile Mfg. Co., cotton batting, Cohoes, N. Y.
National Thermometer Co., chem. needles, etc., 125 E. 2 New York.
National Ticket Case Co., 842 W. 35th, Chicago, Ill.
National Ticket Co., 205 St. Clair av, N. E., Cleveland, Ohio.
National Tile Co., Anderson, Ind.
National Time Switch Co., South Bend, Ind.
National Tin Co., detinn'g plants, 21 Park Row, New York.
National Tool Co., Cleveland, O., "National-Cleveland" milli cutters, etc. *See adv index at end of book.*
National Tracing Cloth Co., Saylesville, R. I.
National Tractor Co., 29 S. La Salle, Chicago, Ill.
National Trading Co., pig iron, steel, etc., Racine Bldg., Cle land, Ohio
National Transit Pump & Machine Co., mfg. of pumping mach for oil & gas lines, Oil City, Pa.
*See adv index at end of book*
National Trunk & Bag Co., 86 S. Orange av, Newark, N. J.
National Trunk Co., 110 W. 9th, Kansas City, Mo.
National Tube Co. See Walworth Mfg. Co. (successors)
National Tubular Axle Co., Emigsville, Pa.
National Twist Drill & Tool Co., Detroit, Mich.
National Umbrella Co., 1372 W. 6th, Cleveland, Ohio.
National Umbrella Frame Co., lock washers, 30th & Thompso Philadelphia, Pa.
National Varnish Co., 153 West av, Long Island City, N. Y.
National Vault Casket Co., 2145 Bay, Los Angeles, Cal.
National Veneer Products Co., trunk mfrs., Mishawaka, In
National Ventilat'g Co., cornices & skylights, 337 E. 26t New York.
National Vitaphone Corp., spring motor mfrs., Plainfield, N.
National Washboard Co., 72 W. Adams, Chicago, Ill.
National Waste Co., cotton & woolen wastes, Nixon & Levei ton, Philadelphia, Pa.
National Voice Phonograph Co., Inc., Oneida, N. Y.
National Water Lift Co., Kalamazoo, Mich.
National Water Main Clen'g Co., 50 Church, New York.
National Waterproofing Co., waterproof paper, Drexel Bld Philadelphia, Pa.
National Wax & Paper Mfg. Co., 203 37th, Brooklyn, N. Y.
National Web Co., elastic webbing, 263 Linden av, Jersey Ci N. J.
National Welding & Mfg. Co., Buffalo, N. Y., & 527 W. Jacks blvd, Chicago, Ill.
National Whalebone Co., 25 W. 45th, New York.
National Wire Wheel Works, airplane wheels, Geneva, N. Y
National Wood Floor Co., 607 W. 43d, New York.
National Woodenware Co. (Ltd.), ironing boards, Grand Rapi Mich.
National Wood Wkrs., sash doors & blinds, Sioux City, Iow
National Woodworking Mach. Co., Dover, N. H.

onal Wrought Iron Annealing Box Co., Washington, Pa.
onal X-Ray Reflector Co., 233 W. Jackson blvd, Chicago, Ill.
onal Zinc Co., chemicals & minerals, 61 B'way, New York.
ve Lbr. Co., Howison, Miss.
ıral Falls Milling Co., flour, Bridgewater, Va.
ıral Products Refining Co., potash, 902 Garfield av, Jersey City, N. J.
ıral Slate Blackboard Co., Penn Argyl, Pa.
vick, J., & Co., lbr. mfrs., Munsey Bldg., Baltimore, Md.
ɔuc Paper Co., Glastonbury, Conn.
ffts, Theo., contractor, Duluth, Minn.
gatuck Chemical Co., acids, chemicals, etc., Naugatuck, Conn.
gatuck Mfg. Co., seamless copper floats mfrs., Naugatuck, Conn.
ghton Constr. Co., 79 William, New York.
ghton Marble Co., table tops, etc., 64 W. Grand, Chicago ,Ill.
ghton & Weimar, barrel hoop driving & barrel washing machines, 1900 E. Westmoreland, Philadelphia, Pa.
gle Pole & Tie Co., 2307 S. Morgan, Chicago, Ill.
t, Onesime E., architect, 8 Wall, Worcester, Mass.
man Co., automobile bldrs., 138 6th, Milwaukee, Wis.
man Co., lumber mfrs., Waterloo, Ia.
mann Hardware & Supply Co., 4324 Gtn. av, Phila., Pa.
nkeag Buffing Machine Co., Beverly, Mass.
nkeag Steam Cotton Co., cotton sheetings, Salem, Mass.
ss, L. B., Sons, masons' & bldrs.' matls. & sash, door & blind mfrs., Gloucester, Mass.
ical Instruments Mfg. Co., Inc., 47 West, New York.
ɔoo Canning Co., Nauvoo, Ill.
ıl Gun Fcty., steel castings, New Navy Bldg., Washington, D. C.
ıl Stores Equipment Co., rosin, turpentine mfrs., Canal Bank Bldg., New Orleans, La.
.rro Lbr. Co., Navarro, Cal.
ıssa Guano Co., Wilmington, N. C.
, J. H., architect, Lewiston, Idaho.
n, Hugh, Contr. Co., contractors, 82 Savin, Boston, Mass.
rath, J. P., & Co., cotton mops, 109 Wooster, New York.
Leonard, smoking pipes, 144 Noble, Philadelphia, Pa.
E. O., & Co., heating contractors, Pasadena, Cal.
on-Pierson-Hough Co., horse collars, 158 Congress, W. Detroit, Mich.
or Bros., mill & facty. supplies, Peekskill, N. Y.
or & Co., ores, steel imp., mchsts. & fndrs., 120 B'way, New York.
ıreth Cement Co., Nazareth, Pa.
.reth Coal & Lumber Co., masons' & bldrs.' matls., Nazareth, Pa.
**ARETH FOUNDRY & MACHINE CO.**, castings, sugar machinery, conveyors, turntables, Nazareth, Pa., & 106 Front, New York
l Engineering Works, pneumatic forging & power hammers, 4049 No. 5th, Philadelphia, Pa.
. Reed Co., refrigerators, 65 Atlantic av, Boston, Mass.
. Steel & Iron Co., Salisbury, N. C.
. Bolt & Steel Co., Everett, Mass.
rey, Leonard, cornices, 637 W. Court, Cincinnati, O.
ır, M. J., & Co., bags, 1600 S. Dearborn, Chicago, Ill.
B. B., Hardware Co., 117 Leonard, New York.
Blun Co., masons' & bldrs.' matls. & whol. hdwe., Savannah, Ga.
& Brinker Co., mill & facty. supplies, who. hdwe., 81 White, New York.
Co., The, hardware and small tools, 76 Pearl, Buffalo, N. Y.
E. H., architect, Williamstown, Mass.
Elec. Headlight Co., Board of Trade Bldg., Boston, Mass.
James, cornices & skylights, Rome, Ga.
Johns & Co., wagons, Lake City, Minn.
Joseph L., architect, 245 4th av, Pittsburgh, Pa.
W. H., & Son Co. See Eastern Shore Can Co. (successors)
ɔn, Jno. J., & Co., webbing (elastic), Bayonne, N. J.
ɔara Rubber Co., reclaimed rubber, Trenton, N. J.
pase, E. E., granite & stone producers, Port Jervis, N. Y.
y, J. H., & Sons, contractors, Cohoes, N. Y.
y, Peter, & Son Co., granite prod., Blisville, Long Island City, N. Y.
e, C., Lumber Co., East Liverpool, O.
t, Chas. & Co., masons' & bldrs.' matls., Mauch Chunk, Pa.
rgall, J. F., & Sons, contractors, Davenport, Ia.
rgall, L. E., contractor, Omaha, Nebr.
Bridge Supply & Lbr. Co., Omaha, Neb.
Carbonic Acid Gas Co., Omaha, Neb.
Corn Mills, grits-hominy, Lincoln, Neb.
Culv. & Mfg. Co., Wahoo, Neb.
Lightning Rod Co., Omaha, Neb.
Paint & Lead Co., Lincoln, Neb.
Stone Co., Omaha, Neb.
ı, David, mill brushes, Lowell, Mass.
rsulmer, Edward, architect, 507 5th av, New York.
ɛs Lbr. Co., Beaumont, Texas.
olson Clay Mfg. Co., bricks & drain tiles, Ray, Ill.
Bros Co., Ltd., brick, Marksville, La.
ɔw Mfg. Co., post office furniture, screens, etc., Caledonia, N. Y.

Nee, Coleman, masons' & bldrs.' matls., Escanaba, Mich.
Needham Bros., brick, Miami, Ind.
Needham Piano Co., organs, 520 W. 48th, New York.
Needles Mach. Wks., machsts., Needles, Cal.
Neel-Armstrong Co., generators, Akron, O.
Neeld, Benj. M., contractor, Decatur, Ill.
Neeld, C. M., Constr. Co., Oliver Bldg., Pittsburgh, Pa.
Neelen & Daly, contractors, Fitzsimmons Bldg., Pittsburgh, Pa.
Neely Nut & Bolt Co., 26 S. 22nd, Pittsburgh, Pa.
Neemes Bros., grate mfrs., Troy, N. Y.
Neenah Brass Works, mchsts. & fdrs., Neenah, Wis.
Neenah Packing Co., canned goods, Neenah, Va.
Neenah Paper Co., Neenah, Wis.
Neer, Delos D., architect, Spalding Blk, Portland, Ore.
Nees & Co., contractors, Frankford, Ind.
Nees, Louis, cornices, 240 12th av, Minneapols, Minn.
Neevel Mfg. Co., concrete reinf. matls., Kansas City, Mo.
N. E. Foundry Machy. Co., grey iron castings, Brockton & Campbells, Mass.
Neff, Benj. F. & Sons, brick, Bryan, O.
Neff Bros., cornices & skylights, Allentown, Pa.
Neff Bros., brick, North Creek, O.
Neff, C. H., masons' & bldrs.' matls., Canfield, O.
Neff, Conrad F., architect, Otis Bldg., Phila., Pa.
Neff, H. S., machsts., West Newton, Pa.
Neff Hdwe. Co., Wheeling, W. Va.
Neff, J. M., brick, Baltimore, O.
Neff, N. W., & C. D., masons' & bldrs.' matls., Geneseo, N. Y.
Neff & Thames, architects, 1213 Filbert, Philadelphia, Pa.
Neff & Thompson, architects, Seaboard Bk. Bldg., Norfolk, Va.
Negley Clay Co., Negley, O.
Negley, H. D., contractor, 7134 Idelwild, Pittsburgh, Pa.
Negus, S. P., landscape arch., 284 Dart, Boston, Mass.
Negus, T. S., & J. D., nautical instruments, etc., 140 Water, New York.
Nehls, Barney, plating works, 248 Brush, Detroit, Mich.
Nehrich, R. B., sweaters, cardigans, etc., 1260 B'way, B'lyn, N. Y.
Neider, F. A., Co., top prop nuts & carriage & auto trimmings, Augusta, Ky.
Neiderpreum Bldg. Co., 1170 Jefferson, Buffalo, N. Y.
Neidow & Payson Co. See Pneumatic Chuck Co. (successors)
Neidhart, B., & Co., whol, hdwe., Marquette, Mich.
Neidich Process Co., typewriter ribbons, paper—carbon, etc., Burlington, N. J.
Neidig, Chas. E., masons & bldrs.' matls., Goshen, Ind.
Neighbour, E. J., lime, German Valley, N. J.
Neil, F. Boyle, & Co., whol. hdwe., Blackfoot, Idaho.
Neil, Jas., & Co., flour mills, Carmichaels, Pa.
Neil & Smith Electric Tool Co., portable electric tools, 8th & B'way, Cincinnati, Ohio.
Neild, E. F., architect, Commercial Bk. Bldg., Shreveport, La.
Neiler, Rich, & Co., consulting engineers—heating and ventilating, Manhattan Bldg., Chicago, Ill.
Neill, Geo. W., fndr., Portsmouth, Ohio.
Neill, J. O., Hardware Co., masons & bldrs.' matls. & agricultural implements, Fall River, Mass.
Neill-La Vielle Supply Co., mill & factory supplies, 505 W. Main, Louisville, Ky.
Neillsville Canning Co., Neillsville, Wis.
Neils, J., Lumber Co., Cass Lake, Minn.
Neily, Jos. W., whol. hdwe., 121 South, Baltimore, Md.
Neimeyer, A. J., Lumber Co., Little Rock, Ark.
Neiner, John, Carriage Co., 4736 Easton av, St. Louis, Mo.
Neitge, Otto, contractor, Mankato, Minn.
Neitzel, B. H., contractor, South Bend, Ind.
Neitzel Bros. & Theilmann, corn brooms, Spokane, Wash.
Nejdl & Greenwald, contractors, Whiting, Ind.
Nekonegan Paper Co., Oldtown, Me.
Nekoosa-Edwards Paper Co., Port Edwards, Wis.
Nela Specialties Division, Nat'l Lamp Wks. of G. E. Co., arc lamps, Nela Pk, Cleveland, Ohio.
Nelch, Hy., & Son, masons & bldrs.' matls., Springfield, Ill.
**NELKE, L. D., SIGNS, NEW YORK, INC.**, elec. advertising signs, 18 W. 36th, New York *See adv index at end of book*
Nelker, J. Franklin, architect, Professional Bldg., Baltimore, Md.
Nellan, G. M., machst. & fndr., Newton, Kan.
Neller, Louis, contractor, Lansing, Mich.
Nelligan, Michael J., bldg. contr., Ansonia, Conn.
Nellis, Amos & Swift, lumber mfrs., Utica, N. Y.
Nelman & Saul, mchsts. & fndrs., Hamburg, Pa.
Nelms & Co., horse brushes, 407 Commerce, Philadelphia, Pa.
Nelsen, H. O., Iron Works, fndrs., Knoxville, Tenn.
Nelson, A. G., Lumber Co., Waupaca, Wis.
Nelson, A. J., architect, L. & L. & G. Bldg., New Orleans, La.
Nelson, A., Mfg. Co., machsts., 564 W. Randolph, Chicago, Ill.
Nelson, Alex., & Co., dumbwaiters, 103 W. 96th, New York.
Nelson, Alfred W., filter presses, 183 Snyder av, Brooklyn, N. Y.
Nelson, Anthony, signs, St. Paul, Minn.
Nelson & Ashworth, architects, Provo City, Utah.
Nelson, B. F., Mfg. Co., paper & boxboard mfrs., Minneapolis, Minn.
Nelson & Bauer, contractors, Fulton & Gough, San Francisco, Cal.
Nelson-Blanck Mfg. Co., drilling heads, Dubois & Clay av, Detroit, Mich. *See adv index at end of book*

Nelson Blower & Furnace Co., gas producers, designers & bldrs of machy., 11 Elkins, Boston, Mass.
Nelson Brick & Tile Co., New Haven, Ky.
Nelson Bros., archl. iron, 62½ Thayer, Boston, Mass.
Nelson Bros., contractors, Rock Island, Ill.
Nelson Bros., lumber mfrs., Jamestown, N. Y.
Nelson Bros., mattresses, Wilkes-Barre, Pa.
Nelson Bros. Co., machsts. & fndrs., Saginaw, Mich.
Nelson Building Co., chamber of Commerce, Detroit, Mich.
Nelson, C. H., Metal Co., tin plate, metals, etc., 104 So. Charles, Baltimore, Md.
Nelson, C., Mfg. Co., ice cream cabinets, 2300 Division, St. Louis. Mo.
Nelson & Call Co., hdwe. mfrs., Cortland, N. Y.
Nelson, Chas., grille work, 1939 W. Lake, Chicago, Ill.
Nelson, Chas., distillers, gin, Nashville, Tenn.
Nelson, Chas., Co., lumber, 230 California, San Francisco, Cal.
Nelson & Co., contractors, Racine, Wis.
Nelson & Co., sash, door & blind mfrs., Jamestown, N. Y.
Nelson Constr. Co., Orange, N. J.
Nelson Construction Co., Huron, S. D.
Nelson Corp., gasoline farm tractors, 11 E. Elkins, Boston, Mass.
Nelson Corp., loose leaf devices, 326 W. Madison, Chicago, Ill.
Nelson, Edward J., architect, Greensburg, Pa.
Nelson, Francis A., architect, 15 W. 38th, New York
Nelson, F. P., & Sons Co., contractors, 139 N. Clark, Chicago, Ill.
Nelson, Fred. A., architect, Connell Bldg., Scranton, Pa.
Nelson, G. M., architect, 819 Halsey, Brooklyn, N. Y.
Nelson Gas Engine & Auto Co., Harlan, Ia.
Nelson, H. O., Mfg. Co., plumbers & steam fitters supplies, etc., Howard st, San Francisco, Cal.
Nelson, H. P., & Son Piano Co., 1254 Marianna, Chicago, Ill.
Nelson & Hall Co., butter tubs, Montgomery Center, Vt.
Nelson Hardware Co., Roanoke, Va.
Nelson & Hawkinson, stone producers, 6153 B'way, Chicago, Ill.
Nelson, Henry, mach. & fndr., Northwood, Ia.
Nelson, I. R., vacuum process impregnating, 1 Bond, Newark, N. J.
Nelson Indra Machinery Co., Green Bay, Wis.
Nelson Instrumental Co., fine tools, 11 Elkins, Boston, Mass.
Nelson, Ira I., metals, 10 High, Boston, Mass.
Nelson Iron Wks., 45 Spokane, Seattle, Wash.
Nelson, J. B., Mankato, Minn.
Nelson, J. M., architect, Roswell, N. M.
Nelson, J. M., oiled clothing, Gloucester, Mass.
Nelson, Jacks, Lumber Co., Shreveport, La.
Nelson, James E., Co., contractors, 7 Water, Boston, Mass.
Nelson, John F., contractor, 693 Hicks, Brooklyn, N. Y.
Nelson, Jos. E., & Sons, contractors, 3240 S. Michigan av, Chicago, Ill.
Nelson, Jos., Supply Co., plumbers' supplies—jobbers, Salt Lake City, Utah.
Nelson, L. H., Co., paper cups, Portland, Me.
Nelson, L. R., hose menders, 1810 S. Washington, Peoria, Ill.
Nelson & Le Moon, automobile bldrs., 849 N. Kedzie, Chicago, Ill.
Nelson & Lewin, contractors, 30 N. La Salle, Chicago, Ill.
Nelson Lumber & Mfg. Co., interior finish mfrs., 372 Dublin av, Columbus, Ohio.
Nelson, M., Furniture Co., mattresses, Astoria, Ore.
Nelson, M. E., contr., 12005 Wallace, Chicago, Ill.
Nelson Mach. Co., machsts., Waukegan, Ill.
Nelson Mach. Co., special machy, Taunton, Mass.
Nelson Mfg. Co., tank heaters, animal traps, Deerfield, Wis.
Nelson Mfg & Supply Co., machinists, Hutchinson, Kansas.
Nelson Motor Truck Co., Saginaw, Mich.
Nelson, Myers, Co., brick, West Manchester, Ohio.
Nelson, N. O., Co., plumbing supplies, Houston, Tex.
Nelson, N. O., Mfg. Co., mill & factory supplies, Memphis, Tenn.
Nelson, N. O., Mfg. Co., plumbers, heating, mill & facty. supplies—jobbers, 10th & Chestnut. St. Louis, Mo.
Nelson, N. O., Marble Co., Edwardsville, Ill.
Nelson, N. W., & W. A., Co., contractors, 400 Temple ct, Minneapolis, Minn.
Nelson-Neal Lumber Co., Montborne, Wash.
Nelson, Neis, & Son, machsts., Aberdeen, Wash.
Nelson, Nels P., contractor, Montclair, N. J.
Nelson, N. P., Iron Works, chutes, conveyors, wagon loaders, etc., 212 40th, Brooklyn, N. Y.
Nelson, Peter, contractor, Temple ct., Minneapolis, Minn.
Nelson, Peter, & Son, contractors, La Crosse, Wis.
Nelson, R., Canning Co., Galena, Mo.
Nelson Rivet Co., Taunton, Mass.
Nelson, Robt., contractor, Racine, Wis.
Nelson, S., architect, Arlington, Tex.
Nelson, Samuel, brush holders, 1748 Grace, Chicago, Ill.
Nelson & Thompson, contractors, Albert Lea, Minn.
Nelson Tool Co., Inc., machsts. & fndrs., dies, metal stamping, etc., 782 E. 142d, New York
Nelson Valve Co., machsts. & fndrs., Wyndmoor, Pa.
Nelson & Van Wagnen, architects, 15 W. 38th, New York.
Nelson, W. P., Co., decorators, 614 S. Michigan av, Chicago, Ill.
Nelson, Weber, Constr. Co., Oconomowoc, Wis.
Nelson & Forsyth, contrs., Oakland, Cal.
Nelsonville Brick Co., Nelsonville, Ohio.
Neltge, Otto, contractor, Mankato, Minn.
Nemann & Hieronymus, Mount Olive, Ill.
Nemes, B., machsts. & fndrs., 652 E. 12th, New York.
Nemirowsky, S., & Son, machy. dlrs., 136 N. 3rd, Phila., Pa.
Neosho Canning Co., Neosho, Mo.
Neosho Foundry & Plow Works, Neosho, Mo.
Neosho Milling Co., flour, Neosho, Mo.
Neostyle Co., duplicators, 319 B'way, New York.
Neostyle Envelope Co., 5 S. Wabash av, Chicago, Ill.
Ne-Page-McKenny & Co., electrical engnrs., Armour Bldg Seattle, Wash.
Nephi Plaster & Mfg. Co., Salt Lake City, Utah.
Neponset Engine & Machine Co., gas & gasoline engine builders, Neponset, Boston, Mass.
Neponset Woolen Mills, woolen carriage cloth, Canton Junction, Mass.
Neptune Hardware Mfg. Co., 29 Murray, New York.
Neptune Meter Co., 50 E. 42d, New York.
Neptune Packing Co., canned goods, 148 State, Boston, Mass.
Neptune Paint Co., Hudson, Mich.
Neptune Twine & Cord Mills, Moodus, Conn.
Nequally Lbr. Co., Oak Point, Wash.
Nesbitt, B. Morgan, architect, Twin Falls, Idaho.
Nesbitt & Bro., cornices, Wheeling, W. Va.
Neser, John E., archl. & ornament iron, 4 7th av, New York.
Neser & Quinn Co., plumbers' supplies, Lexington & Green, Baltimore, Md.
Neslage, Herman F., patterns & models, St. Louis, Mo.
Ness Bros. & Co., wagon & carriage material mfrs., York, Pa.
Ness, Geo. M., Jr., stamps, sinkers, stencils, etc., 61 Fulton, New York.
Ness, J. E., architect, Plymouth, Ind.
Ness, J. S., contractor, Plymouth, Ind.
Ness Lbr. Co., Hutton, N. D.
Ness & Theisen Constr. Co. See Theisen Co. (successors)
Nessen, J. O., Lumber Co., 122 S. Michigan av, Chicago, Ill.
Nester, P. H., canned goods, Thaxton, Va.
Nestles Food Co., 130 William, New York.
Nestor Mfg. Co., die mfrs., 40 W. 13th, New York.
Nestos Timber Co., Ltd., lumber, Bellingham, Wash.
Netcher, George W., architect, Tiffin, Ohio.
Netcott, H. E., architect, Independence, Ia.
Nethercott, R., flour mills, Rutherford, Tenn.
Netting, C. J., Co., elec. fix., 71 B'way, Detroit, Mich.
Nettleton-Bruce-Echbach Co., contractors, Seattle, Wash.
Nettleton-Bruce Logging Co., S. Prairie, Wash.
Nettleton & Weaver, architects, Penobscot Bldg., Detroit, Mich.
Netz, Edwin A., heating contr., 463 27th, Milwaukee, Wis.
Netzow, C. F., Mfg. Co., pianos, 1st & Becker, Milwaukee, Wis.
Neubauer, Stanley K., architect, 1118 Chestnut, Phila., Pa.
Neubeck, Adolf, nickel plating salts, Buffalo, N. Y.
Neuberger, Fred'k, & Co., turkish towels, Paterson, N. J.
Neubert, R. F., Co., incubators, Mankato, Minn.
Neuchatel Asphalt Co., bridge foundations, etc., 79 Thompkins, New York.
Neuer, H., Glass Co., 518 Reading rd, Cincinnati, Ohio.
Neuer & Hoffman, advert. nov. & spec., 75 Grand, New York.
Neuhaus, C., & Co., surgical instruments, 510 N. Eutaw, Baltimore, Md
Neuhauser, D. L., glass stainers, elec. portables, 326 W. Grand av, Chicago, Ill.
Neuhoff Abattoir & Packing Co., meat packers, Nashville, Tenn.
Neuken, Albert, Cut Stone Co., Toledo, Ohio.
Neukirchen Bros., lbr., Issaquah, Wash.
Neuman, J. C., architect, Winchester, Va.
Neuman, J. C., cornices, Springfield, Ill.
Neuman-Warnock Co., radiator bushings, Beaver Dam, Wis.
Neumann, Arthur H., & Co., contractors, Des Moines, Ia.
Neumann, H. W., Mach. Co., Davenport, Ia.
Neumann, R., & Co., sumac, 76 Worth, New York.
Neumann, R., Hdwe. Co., 9 St. Francis, Newark, N. J.
Neumann, W., architect, 314 Palisade av, Jersey City, N. J.
Neumann, Walter F., architect, Caswell blk., Milwaukee, Wis.
Neumann, William, architect, 314 Palisade av, Jersey City, N. J.
Neumarket, E. A., architect, Sharon Bldg., San Francisco, Cal.
Neumeister, F. P., & Co., carriages & knocked-down boats, Rockford, Ill
Neumeyer & Dimond, steel merchants, 82 Beaver, New York.
Neumeyer, H. F., & Son, machsts. & fndrs., Macungie, Pa.
Neumiller, J. & G., carriages, 125 Fell, San Francisco, Cal.
Neumkirchen & Harrsch, contractors, 133 W. Washington, Chicago, Ill.
Neupert & Budwig, packing box, Waterloo, Wis.
Neureitter & Horre, masons' & bldrs.' matls., Elizabeth, N. J.
Neustadt Auto. & Supply Co., 3200 Locust, St. Louis, Mo.
Neutzell, Chas., willow ware mfrs., Liverpool, N. Y.
Nevada City Hdwe. Co., Nevada City, Cal.
Nevada County Cannery Ass'n, Grass Valley, Cal.
Nevada Engineering & Supply Co. Wks., Reno, Nev.
Nevada Mchy. & Elect. Co., mill & factory supplies, Reno, Nev.
Nevada Packing Co., meat, Reno, Nev.
Nevada Sheet Metal Wks., Reno, Nev.
Nevels Bros., contractors, Hartford, Conn.
Never Fail Co., razor strops, Toledo, Ohio.
Neversink Dyeing Co., Inc., dyes & dyestuffs, Reading, Pa.
Never-Skid Mfg. Co., tire skid, 150 Nassau, New York.
Never Slip Safety Clamp Co., 141 B'way, New York.
Neverslip Wks., The, calks & pliers, New Brunswick, N. J.
Never Split Seat Co., Evansville, Ind.
Neves, W. D., architect, Greenville, S. C.

ville & Bagge, architects, 570 Bergen av, New York
ville Bros., fertz. mfrs., West Union, S. C.
ville, Jerry, contractor, London, Ohio.
ille Steering Wheel & Mfg. Co., 139 Beaubien, Detroit, Mich.
ville, T., carriages, Oshkosh, Wis.
ville, Thos., & Co., automobile bldrs., Oshkosh, Wis.
ville, Thos. J., masons' & bldrs.' matls., Malden, Mass.
ville, W. N., flour mills, Arlington, Ky.
in, Chas. K. B., architect, 6 Beacon, Boston, Mass.
in, T. H., Co., paints, Island & Preble, Pittsburgh, Pa.
inger, Dan'l D., contractor, 1259 Abbott rd, Buffalo, N. Y.
ins, Ed. J., stone producer, wkr. & dlr., 638 W. 51st, New York.
ins, J. R., architect, Hope Bldg., Seattle, Wash.
ins, Oscar W., & Co., contrs., Pavonia & West Side av, Jersey City, N. J.
ins, Sam'l, Co., clay, crayon, pencil & silica mfrs., 109 S. 2d, Philadelphia, Pa.
ins & Henry, architects, Starks Bldg., Louisville, Ky.
v Acme Plating Co., 59 Page, Providence, R. I.
v Aetna Portland Cement Co., 412 Union Trust Bldg., Detroit, Mich.
v Age Tractor Co., 3046 Snelling av, Minneapolis, Minn.
v Albany Box & Basket Co., New Albany, Ind.
v Albany Hosiery Mills, lumbermen's socks, New Albany, Ind.
v Albany Machine Mfg. Co., New Albany, Ind.
v Albany Mfg. Co., grates, New Albany, Ind.
v Albany Veneering Co., New Albany, Ind.
v Albany Wall Plaster Co., New Albany, Ind.
v Alexandria Coke Co., Greensburg, Pa.
v Amsterdam Casualty Co., accident & emplrs.' liability, ins., 59 John, New York.
v Baden Milling Co., flour, New Baden, Ill.
v Bedford Boiler & Machine Co., New Bedford, Mass.
v Bedford Cordage Co., 120 Broadway, New York; mills, New Bedford, Mass.
v Bedford Foundry & Machine Co., New Bedford, Mass.
v Bedford Gas & Edison Light Co., water-gas tar, New Bedford, Mass.
v Bedford Mill Supply Co., New Bedford, Mass.
v Bedford Rubber Co., New Bedford, Mass.
v Bedford Shuttle Co., tex. machy., supplies, etc., New Bedford, Mass.
v Bedford Valve Mfg. Co., New Bedford, Mass.
v Bern Cotton Oil & Fertilizer Mills, New Bern, N. C.
v Bern Flue Cleaner Co., Franklin Bk. Bldg., Phila., Pa.
v Bethlehem Fabric Mfg. Co., canvas gloves, New Bethlehem, Pa.
v Bethlehem Window Glass Co., New Bethlehem, Pa.
v Bremen Bridge Co., New Bremen, Ohio.
v Bremen Broom Co., New Bremen, Ohio.
v Brighton Plaster Co., New Brighton, Pa.
v Britain Carriage Co., New Britain, Conn.
v Britain Machine Co., automatic screw and chucking machines, woodworking machinery & shop furniture, screw mach. products & tractor mfrs., New Britain, Conn.
v Britain Sheet Metal Co., radiator fans, New Britain, Conn.
v Britain Tool & Mfg. Co., special mach., etc., New Britain, Conn.
v Brunswick Chem. Co., sulphonated oils, 326 B'way, New York.
v Brunswick Iron Wks., New Brunswick, N. J.
v Can Co. 326 A, Boston, Mass.
v Castle Casket Co., New Castle, Ind.
v Castle Elastic Pulp Plaster Co., New Castle, Pa.
v Castle Fndry. Co., New Castle, Ind.
v Castle Limestone & Clay Co., New Castle, Pa.
v Castle Lumber & Constr. Co., New Castle, Pa.
v Castle Machy. Wks., machsts. & fndrs., New Castle, Ind.
v Castle Paper Mills, New Castle, Pa.
v Castle Steel & Iron Co., bolts, chains, forgings, etc., Pittsburgh, Pa.
v Central Foundry Co., Lewisburg, Pa.
v Century Adding Machine Co., E. St. Louis, Ill.
v Chicago Specialty Co., toys, games & novelties, New Chicago, Ind.
v City Iron Wks., 4857 S. Racine av, Chicago, Ill.
v Conklin Wagon Co., Olean, N. Y.
v Cumberland Brick Co., New Cumberland, Pa.
Dell Lbr. Co., Eau Claire, Wis.
Deemer Mfg. Co., lbr., Deemer, Miss.
v, D. F., flour, Carrollton, Ga.
v Departure Mfg. Co., New Departure ball bearing in double row, single row "Radax" & magneto types; coaster brakes & hubs for bicycles; bells for bicycles, fire alarm and house door use; steel balls and cyclometers for bicycles, 269 N. Main, Bristol, Con. *See adv index at end of book.*
v Doty Mfg. Co., machy., Janesville, Wis.
v Edmonton Mills, Inc., Edmonton, Ky.
Egyptian Portland Cement Co., Penobscot Bldg., Detroit, Mich.
v England Annealing & Tool Co., machsts. & fndrs., 74 K, S Boston, Mass.
v England Auto Top & Body Co., 317 W. 47th, New York.
v England Bedding Co., mattresses, 321 Congress, Boston, Mass.

New England Blacking Co., rubber goods, 24 Binford, Boston, Mass.
New England Bolt Co., Everett, Mass.
New England Bolt & Steel Co. See New England Bolt Co. (successors)
New England Box Co., Greenfield, Mass.
**NEW ENGLAND BRASS CO.**, sheet metal in brass, copper, commercial bronze, nickel silver, Taunton, Mass.
New England Brass & Fixture Co., elec. fixture mfrs., 77 Summer, Boston, Mass.
New England Brick Co., 18 Post Office Square, Boston, Mass.
New England Broom & Supply Co., 191 Forest Hills, Boston, Mass.
New England Buff Co., polishing wheels, 101 Albany, Boston, Mass.
New England Bunting Co., Lowell, Mass.
New England Butt Co., machsts. & fndrs., 304 Pearl, Providence, R. I.
New England Button Co., 79 Summit, Newark, N. J.
New England Cable Co., Concord, N. H.
New England Calendar & Novelty Co., advtge, novelties, 756 Main, Hartford, Conn.
New England Carpet Lining Co., New London, Conn.
New England Cement Gun Co., 12 West, Boston, Mass.
New England Collapsible Tube Co., New London, Conn.
New England Concrete Construction Co., 201 Devonshire, Boston, Mass.
New England Construction Co., Springfield, Mass.
New England Contr. Co., Worcester, Mass.
New England Cornice Co., 248 Bremen, E. B. Boston, Mass.
New England Cotton Yarn Co., cotton waste, Taunton, Mass.
New England Crushed Stone Co., 125 Forest Hills, J. P., Boston, Mass.
New England Drawn Steel Co., shafting & screw stock mfrs., Mansfield, Mass.
New England Dressed Meat & Wool Co., 41 No. Market, Boston, Mass.
New England Electrical Wks., Lisbon, N. H.
New England Enameling Co., coffee percolators, Middletown, Conn.
New England Engineering Co., 31 W. Main, Waterbury, Conn.
New England Envelope Co., Worcester, Mass.
New England Felt Roofing Wks., 101 Milk, Boston, Mass.
New England Fibre Blanket Co., Worcester, Mass.
New England Forge Co., Worcester, Mass.
New England Fuel & Trans. Co., coal mine, 111 Devonshire, Boston, Mass.
New England Gas & Coke Co., ammonium sulphate, 111 Devonshire, Boston, Mass.
New England Granite Wks., granite paving blocks, producers, etc., Westerly, R. I.
New England Iron Wks. Co., boilers, stacks, etc., Summer, Boston, Mass.
New England Lamp Co., incandescent lamps, Malden, Mass.
New England Lime Co., Danbury, Conn.
New England Lock & Hinge Co., Winchendon, Mass.
New England Mach. & Elec. Co., Pawtucket, R. I.
New England Machy. Co., stranding machs., New Haven, Conn.
New England Mfg. Co., acetylene gas machs., 1st Nat. Bk. Bldg., Chicago, Ill.
New England Mfg. Co., lbr., Lowell, Wash.
New England Metal Culvert Co., Palmer, Mass.
New England Mica Co., insulators & tubes, Waltham, Mass.
New England Novelty Wks., cutters, glass, irons—waffle, Hill, N. H.
New England Oil, Paint & Varnish Co., Waters av, Boston, Mass.
New England Plumbing Supply Co., Springfield, Mass.
New England Pressed Steel Co., motorcycle & bicycle parts and sheet metal stamping, Natick, Mass.
New England Purity Paper Bottle Co., paper bottles, Northampton, Mass.
New England Quartz Co. of N. Y., 150 Nassau, New York.
New England Reed Co., rattan furn., 11A Green, Boston, Mass.
New England Road Machy. Co., rock crushers, 15 S. Market, Boston, Mass.
New England Roller Grate Co., Springfield, Mass.
New England Rubber Shoe Co., 284 Summer, Boston, Mass.
New England Rug Co., Lawrence, Mass.
New England Screw Co., 44 Farnsworth, Boston, Mass.
New England Steam Gauge Co., Penn av, Niantic, Conn.
New England Steel Casting Co., fndrs., Trenton, N. J.
New England Steel Roofing Co., Worcester, Mass.
New England Stone Co., New Haven, Conn.
New England Structural Co., Everett, Mass.
New England Supply Co., meat packers, 15 Gordon av, Providence, R. I.
New England Tank & Tower Co., wood tanks & steel towers, 42 Main, Everett, Mass.
*See adv. index at end of book.*
New England Truck Co., Fitchburg, Mass.
New England Trunk Co., 26 Chauncy, Boston, Mass.
New England Ventg. & Heating Co., 926 Manton av, Providence, R. I.
New England Westinghouse Co., guns & rifles, Chicopee & Springfield, Mass.
New Era Canning Co., New Era, Mich.

New Era Mfg. Co., alloy metals, boiler compounds, packing mfrs., etc., Kalamazoo, Mich.
New Era Mfg. Co., pencil sharpeners, etc., 450 4th av, New York.
New Era Milling Co., flour, Arkansas City, Kan.
New Era Optical Co., 123 Madison, Chicago, Ill.
New Era Spring & Specialty Co., Detroit, Mich.
New, F. J., contractor, New Rochelle, N. Y.
New Farson Mfg. Co., music cabinets, Chester, Pa.
New Favorite Mfg. Co., auto valve grinders, lifters & washing machines, 183 W. Maple, Columbus, Ohio
New Florence Fire Brick Co., 133 W. Wash., Chicago, Ill.
New Fdry. Appliance Co., Hamilton, Ohio.
New Fdry. & Mfg. Co., Sioux City, Ia.
New Glarus Lumber Co., New Glarus, Wis.
N. H. Artistic Web Co., Barnstead, N. H.
New Hampshire Cement Const. Co., Manchester, N. H.
New Hampshire Granite Co., Concord, N. H.
New Hartford Canning Co., Ltd., New Hartford, N. Y.
New Hartford Cotton Mfg. Co., surgical gauze, New Hartford, N. Y.
New Haven Boiler Wks., New Haven, Conn.
New Haven Carriage Co., auto. metal bodies, Water & Franklin, New Haven, Conn.
New Haven Clock Co., New Haven, Conn.
New Haven Copper Co., anodes & copper, Seymour, Conn.
New Haven Cornice & Metal Wks., New Haven, Conn.
New Haven Elec. Mfg. Co., knife switches, New Haven, Conn.
New Haven Engineering & Constr. Co., contractors, 82 Church, New Haven, Conn.
New Haven Fence & Fire Escape Co., iron railings, 683 Grand av, New Haven, Conn.
New Haven Gas Light Co., aqua ammonia, tar mfrs., toluol, etc., New Haven, Conn.
New Haven Granite Wks., artificial stone ldry. tubs, New Haven, Conn.
New Haven Lumber & Supply Co., New Haven, Ind.
New Haven Midget Milling Co., flour, New Haven, W. Va.
New Haven Mill Co., flour, New Haven, Ky.
New Haven Pleating & Novelty Co., electroplating of every description, 31 Artizan, New Haven, Conn.
New Haven Plumbing Supply Co., New Haven, Conn.
New Haven Pulp & Board Co., New Haven, Conn.
New Haven Rigging Co., dock bldrs., New Haven, Conn.
New Haven Rivet Co., rolled thread screws & metal stampings, New Haven, Conn.
New Haven Sand Blast Co., sand blast machy. mfgs., New Haven, Conn.
New Haven Saw Mill Co., lbr. mfrs., New Haven, Conn.
New Haven Screw Co., screw machine products, 191 Foster, New Haven, Conn. *See adv index at end of book*
New Haven Sherardizing Co., sherardizing, also sherardizing furnaces machy. mfrs., New Haven, Conn.
New Haven Spring Bed Co., New Haven, Conn.
New Haven Switch Co., switch boards, New Haven, Conn.
New Haven Truck & Auto Wks., New Haven, Conn.
New Holland Machine Co., agricultural implements, stone pulverizers & corn mills, New Holland, Pa.
Jackson blvd, Chicago, Ill.
New Holstein Canning Co., New Holstein, Wis.
New Home Sewing Machine Co., Orange, Mass.
New I. D. Seat Co., carriage bodies, Rohrerstown, Pa.
New Idea Arc Light Co., 20 W. Houston, New York.
New Idea Spreader Co., Coldwater, Ohio.
N. J. Adamant Mfg. Co., plaster boards, etc., East Newark & Harrison, N. J.
New Jersey Asbestos Co., packings, 1 Water, New York
N. J. Blind & Screen Co., Paterson, N. J.
N. J. Brush Co., Bloomfield, N. J.
N. J. Button Wks., Duryea, Newark, N. J.
N. J. Car Spring & Rubber Co., tape insultg., 91 Brunswick, Jersey City, N. J.
N. J. Cement Constr. Co., 365 Park, Newark, N. J.
N. J. China Pottery Co., Trenton, N. J.
N. J. Clay Pot Co., glass house clay supplies, Vineland, N. J.
N. J. Clay Prod. Co., brick, New Brunswick, N. J.
N. J. Cutlery Co., pocket knives, 19th av & 16th, Newark, N. J.
N. J. Dock & Bridge Bldg. Co., Dix Bldg., Elizabeth, N. J.
N. J. Dry Dock & Transportation Co., machsts., Elizabeth, N. J.
N. J. Engineering & Supply Co., Passaic, N. J.
N. J. Foundry Co., Orange, N. J.
N. J. Foundry & Machine Co., expansion bolts, crank hoists manfrs., 89 West, New York.
N. J. Mach. Corp., paper box machy., Hoboken, N. J.
N. J. Lime Co., Hamburg, N. J.
N. J. Machinery Exchange, machy. dealer, 21 Mechanic, Newark, N. J.
N. J. Novelty Adv. Co., Newark, N. J.
N. J. Optical Co., 91 Runyon, Newark, N. J.
N. J. Paint Wks., Wayne, Jersey City, N. J.
N. J. Pulverizing Co., silica, 13 Park Row, New York
N. J. Rubber Co., Lambertville, N. J.
N. J. School & Church Furniture Co., Trenton, N. J.
N. J. Shipbuilding Co., Gloucester City, N. J.
N. J. Stone & Tile Co., Atlantic City, N. J.
N. J. TERRA COTTA CO., 149 B'way, New York
*See adv index at end of book*
N. J. Trap Rock Co., Morristown, N. J.

N. J. Tube Co., rolling mills—brass & copper—Harrison, N. J.
N. J. Veneer Co., veneered panels, Paterson, N. J.
New Jersey Wire Cloth Co., Trenton, N. J.
*See adv index at end of book*
N. J. Wire Stitching Mach. Co., Camden, N. J.
N. J. Zinc Co., 160 Front, New York
N. J. Zinc Co. of Pa., Palmerton, Pa.
New Kensington Fibre Plaster Co., New Kensington, Pa.
New Kensington Stone Co., Wilkinsburg, Pa.
New Lexington Clay Mfg. Co., New Lexington, Ohio.
New Lexington Sand Co., New Lexington, Ohio.
New Lisbon Canning Co., New Lisbon, Ind.
New London Marine & Iron Wks., machsts. & fndrs., New London, Conn.
New London Motor Co., machsts., New London, Conn.
New London Screw & Nut Works, New London, O.
New London Ship & Engine Co., Diesel type heavy oil engine bldrs., Groton, Conn.
New London Vise Wks., New London, Conn.
New Machine Co., Danbury, Conn.
New Martinsville Glass Mfg. Co., table, New Martinsville, W. Va.
New Metal Tool Steel Co., case hardening compounds, Sebago Lake, Me.
New Metals & Process Co., Inc., lead smelters, Reading, Pa.
New Method Co., stoves, Mansfield, Ohio.
New Mex. Lbr. Co., El Vado, N. M.
New Milford Foundry & Machine Co., New Milford, Conn.
New Monarch Mach. & Stamping Co., Des Moines, Ia.
New Occidental Mill Co., buckwheat flour, Minneapolis, Minn.
New Orleans Boiler Wks., 643 Magazine, New Orleans, La.
New Orleans Butchers' Co-operative Abbatoir Co. (Ltd.), tallow, New Orleans, La.
New Orleans Cornice Wks., Co., Cortez & Orleans, New Orleans, La.
New Orleans Dry Docks & Shipbuilding Co., machsts. & fndrs., Whitney-Central Bldg., New Orleans, La.
New Orleans Machine Works, 509 Conti, New Orleans, La.
New Orleans Roofing & Metal Co., Cortez & Orleans, New Orleans, La.
New Orleans Silicate Brick Co., New Orleans, La.
New Orleans Trunk Co., 414 Carondelet, New Orleans, La.
New Philadelphia Const. Co., New Philadelphia, Ohio
New Phoenix Fdry. & Mach. Co., Springfield, Mo.
New Prague Flouring Mill Co., New Prague, Minn.
New Prague Foundry Co., New Prague, Minn.
New Process Chem. Co., marine glue, linoleum, cement & paint, 39 Cortlandt, New York.
New Process Cork Co., 1505 Garden, Hoboken, N. J.
New Process Fertilizer Co., Columbus, Ohio.
New Process Gas Mantle Co., 27 Bank, Philadelphia, Pa.
New Process Gear Corp., Syracuse, N. Y.
New Process Metal Co., special metals, 4650 Center, Newark,
New Process Roofing & Sup. Co., acteylene gas generators, Dallas, Tex.
New Process Specialty Co., special tools, jigs & fixtures, 230 Hanover, Milwaukee, Wis.
New Process Stove Co., 4415 Perkins av., Cleveland, Ohio.
New Process Twist Drill Co., drill sockets, drills & reamers, Taunton, Mass.
New Process Vacuum Dry Kiln Co., 2011 E 18th, Kansas City, Mo.
New River Collieries Co., coal mine, 120 B'way, New York
New River Co., coal mine, McDonald, W. Va.
New River Lumber Co., Union Trust Bldg., Cincinnati, Ohio.
New River Who. H'dwe Co., Hinton, W. Va.
New River & Pocahontas Consolidated Coal Co., Phila., Pa.
New Riverside Ochre Co., clays, Cartersville, Ga.
New Roads Oil Mill & Mfg. Co., New Roads, La.
New Rochelle Coal & Lumber Co., masons' & bldrs.' matls., New Rochelle, N. Y.
New Standard Hdwe. Wks., machsts. & fndrs., Mount Joy, Pa.
New Specialty Mfg. Co., gasoline lighting systems, Council
New Speed Carburetor Co., San Francisco, Cal.
Bluffs, Ia.
New State Sash & Door Co., Okla., Okla.
New Staunton Coal Co., Security Bldg., St. Louis, Mo.
New Stone Canning Co., Fordland, Mo.
New Toy Co., 143 Bleecker, Newark, N. J.
New Trinidad Lake Asphalt Co., Land Title Bldg., Phila., Pa.
New Ulm Feed & Cereal Mill Co., New Ulm, Minn.
New Ulm Roller Mill Co., flour, New Ulm, Minn.
New Ulm Stone Co., New Ulm, Minn.
New Union Lumber Co., Linton, Ind.
New Wapakoneta Wheel Co., Wapakoneta, Ohio.
New Way Knitting Co., sweaters, cardigans, Williamston, Mich.
New Way Motor Co., pumping engines, Lansing, Mich.
New Westerly Granite Co., Milford, N. H.
New Williams Mill Co., Inc., corn mills, N. Wilkesboro, N. C.
New Winona Mfg. Co., agricultural implements, Winona, Minn.
New Writerpress Co., addressing, duplicating & office printing machines, Shelton, Conn.
N. Y. Academy of Science, engng. schools & coll., 77th & Central Park West, New York
N. Y. Air Brake Co., mchsts. & fndrs., 165 B'way, New York.
N. Y. Architectural Terracotta Co., 401 Vernon av., Long Island City, N. Y.

ork Auto Equipt Co., Inc. See Copp, Geo. W. Co., Inc. uccessors)
Batn Mfg. Co., 103 Chambers, New York.
Bearings Co., 311 W. 59th, New York (tr.)
Bedding Co., mattresses, 96 Suffolk, New York
Belting & Packing Co., billiard & pool table cushions, 91 ambers, New York.
Blank Book Co., r. r. stationery, 316 Hudson, New York.
Blasting Supply Co., 11 Broadway, New York
Blower Co., blowers, fans, forges, heating apparatus, etc., cher av. & Canal, Chicago, Ill.
Blue Print Paper Co., engineering & surveying instru- nts, 102 Reade, New York.
Boat Oar Co., scoops, mast hoops, etc., 69 West, New rk.
Boston Bag Co., 56 Commercial Wharf, Boston, Mass.
Brass Foundry Co., steam supplies mnfrs., 403 Broome, w York.
Brass & Copper Co., 209 Centre, New York
Brass & Iron Works, mchsts & fndrs., Spokane, Wish.
Brass & Wire Wks. Co., bank & office railings, 177 Grand, w York.
& Brooklyn Casket Co., 703 Bedford av., Bklyn., N. Y.
Buff Co., platers' supp., 202 Centre, New York
Butchers' Dressed Meat Co., stearine & meat packers, 11th & 39th, New York.
Button Works, 143 W. 19th, New York.
Car Wheel Co., machsts. & fndrs., Buffalo, N. Y.
Carbonate Co., 1401 Park av, New York.
Carved Moulding Co., 3d av. & 139th, New York.
Central Iron Works Co., Inc., steam heaters, Hagerstown,
Coil Co., 338 Pearl, New York.
Color & Chem. Co., 98 John, New York.
Consolidated Card Co., playing card mfrs., 4th & Webster ., Long Island City, N. Y.
Consolidated Slate Co., roofing slate, Poultney, Vt.
Continental Jewell Filtration Co., filter systems, Nutley, J.
Cordage Co., rope oakum, etc., 123 Front, New York
Cornice Works, skylights, 230 E. 22d, New York.
Cotton Batting Co., Lockport, N. Y.
Couch Bed Co., hammock mfrs., 418 W. 25th, New York,
Meadow & Anable av, Long Island City, N. Y.
Cut Stone Co., producers, workers & dealers, Walnut av. 33d, New York.
Die-White-Schroeder Co., 245 Center, New York.
Dock Co., ft. Irving, Brooklyn, N. Y.
Dry Dock & Repair Co., marine railways, Erie Basin, ooklyn, N. Y.
Elec. Controller Co., 35 Rose, New York.
Elev. Co., 50 Grand, New York.
Enameled Steel Sign Co., 725 Rockaway av, Brooklyn, Y.
Engine Co., 165 B'way, New York.
Engng. Co., gold & tin dredges, drills, etc., 2 Rector, w York.
Engravers Supp. Lamps, 230 W. 17th, New York.
Feather Duster Co., 649 Broadway, New York.
Flexible Metallic Hose & Tubing Co., 112 W 42d, New k.
Flexible Wood Flooring Co., 112 W. 42d, New York.
Foundry Co., Pacific av., Jersey City, N. J.
Gas Tubing Co., rubber goods, 95 Bank, New York.
Gear Works, 56 Greenpoint av, Brooklyn, N. Y.
Glass Knob Markt., 79 E. 130th, New York
Heater & Supply Co., mill & factory supplies, 39 Cortlandt, York.
High Grade Button Works, 166 Geary, San Francisco, Cal.
Independent Meat Co., packers, 12th av. & 131st, New k.
Insulated Wire Co., rubber goods, 84 State, Boston, Mass.
Iron Roofing & Corrugating Co., 94 1st, Jersey City, N. J.
Iron & Steel Products Co., 143 Chambers, New York.
Knife Co., cutlery mfrs., 225 5th av., New York.
Knitting Mills, sweaters, bathing suits, etc., 141 Wooster, York.
Ladder Co., 384 Hudson, New York.
Lap Robe Co., 219 Greene, New York.
Leather Belting Co., strings & auto straps, 465 Kent, klyn, N. Y.
Lubricating Oil Co., 116 Broad, New York.
Machinery Exchange, contractors' tools & supplies & hy. dlrs., 50 Church, New York
Mallet & Handle Works, mauls, chisels, etc., 743 E. 11th, York.
Mattress Co., 32 Green, Boston, Mass.
Metal Ceiling Co., tile, signs, etc., 537 W. 24th, New York.
Metal Edge Box Works, 212 Front, New York.
Metallic Bedstead Co., 198 Pacific av., Jersey City, N. J.
Mica & Mfg. Co., Auburn, N. Y.
Mica Products Co., 68 Murray, New York.
Mills, malt roasting, 458 Greenwich, New York.
Mills Corp., cotton duck, New York Mills, N. Y.
Millwright Co., Inc., mill & factory supplies, 86 Cortlandt, York.
Motion Picture Corp., films, 1459 B'way, New York.
Motor Works Co., Nutley, N. J.

N. Y. Multi-Color Cop'g Co., blue & black prints & papers, 25 Pearl, New York.
N. Y. Net & Twine Co., Moodus, Conn.
N. Y. & New England Cement & Lime Co., 30 Broad, New York.
N. Y.-New England Co., paper & pulp mills, Holyoke, Mass.
N. Y. & N. J. Chandelier Co., 512 Paterson Plank rd., Jersey City, N. J.
N. Y. & N. J. Lubricant Co., grease guns & syringes, 165 B'way, New York.
N. Y. Nickel Plating & Mfg. Co., supply pipes, 327 E. 63d, New York.
N. Y. Nov. Co., mchsts. & fndrs., 621 B'way, New York
N. Y. Oil Cabinet Co., 103 Walker, New York.
N. Y. Oilless Bearing Co., 126 Liberty, New York.
N. Y. & Penn. Co., envelope & express paper, 200 5th av, New York, & paper & pulp mills, Willsboro, N. Y.
N. Y. Phila. Coal & Coke Co., Produce Exchange, New York.
N. Y. Piano Hdwe. Co., 315 5th av, New York.
N. Y. Piano Stool & Mfg. Co., East Stroudsburg, Pa.
N. Y. Plumbers Specialty Co., 234 E. 99th, New York.
N. Y. Pneumatic Service Co., 15 W. 44th, New York.
N. Y. Pottery Co., flue linings & chimney tops, Fuller Bldg., New York.
N. Y. Prism Co., glass & vault lights, 141 Spring, New York.
N. Y. Quebracho Extract Co., 80 Maiden la., New York.
N. Y. Queens Elec. Light & Power Co., 444 Jackson av, New York.
N. Y. Quinine & Chem. Works, iodoform, 100 William, New York.
N. Y. Radiator Co., Utica, N. Y.
N. Y. & Richmond Gas Co., water-gas tar, Stapleton, N. Y.
N. Y. Roll Wrapping Paper Co., twine holders, 84 Beekman, New York.
N. Y. Rubber Co., 84 Reade, New York.
N. Y. Rubber Disc Co., washers, 215 E. 98th, New York.
N. Y. Sand & Fac'g Co., 106 Grand av., Brooklyn, N. Y.
N. Y. Sewage Disposal Co., 37 E. 28th, New York.
N. Y. Shipbuilding Co., Camden, N. J.
N. Y. Silicate Book Slate Co., crayon mfrs., etc., 24 Vesey, New York.
N. Y. Slate Works, laundry tubs, sinks, trays, etc., 255 E. 138th, New York.
N. Y. Soap Works, 427 W. 13th, New York.
N. Y. Sporting Goods Co., 15 Warren, New York.
N. Y. Stamping Co., N. 11th & Berry, Brooklyn, N. Y.
N. Y. Standard Ash Can Mfg. Co., 60 Dobbin, New York.
N. Y. Standard Watch Works, counters, pole, 403 Communipaw av., Jersey City, N. J.
N. Y. State Sewer Pipe Co., Rochester, N. Y.
N. Y. Steel & Copper Plate Co., 30 Morton, Brooklyn, N. Y.
N. Y. Stencil Works, mach'y, 100 Nassau, New York.
N. Y. Store Fixture Co., 5 E. 137th, New York.
N. Y. Switch & Crossing Co., mchsts. & fndrs., Hoboken, N. J.
N. Y. Tassel & Cord Co., 35 Howard, New York.
N. Y. Thermometer Co., 36 E. 23rd, New York; factory, Brooklyn, N. Y. *See adv index at end of book*
N. Y. Trap Rock Co., crushed stone, 101 Park av, New York.
N. Y. University Engng. School & Coll., University Heights, New York.
N. Y. Veneer Seating Co., 171 Pacific av., Jersey City, N. J.
N. Y. Washer Works Co., 89 Morton, New York.
N. Y. Wheelbarrow Works, 180 West, New York.
N. Y. Wire Cloth Co., Woolworth Bldg., New York.
N. Y. Wire & Spring Co., 588 Washington, New York.
N. Y. Wood Working Corp., fixtures, carved mouldings, etc., 502 E. 19th, New York.
N. Y. Woven Label Mfg. Co., 45 W. 34th, New York.
N. Y. Yacht, Launch & Engine Co., Morris Heights, N. Y.
Newala Lime Works, Newala, Ala.
Newall Henry B., door hangers, 89 West, New York.
Newark Air Sand Box Co., locomotive sanders, Newark, Ohio
Newark Bay Smelting & Refining Co., alloy ingots, Plum st lane, Newark, N. J.
Newark Blue Stone Co., 120 Passaic, Newark, N. J.
Newark Boxboard Co., Blanchard, Newark, N. J.
Newark Brass Plate Engraving Co., 53 Lawrence, Newark, N. J.
Newark Brush Co., 253 Mulberry, Newark, N. J.
Newark Brush & Scraper Co., 266 Fabyan pl., Newark, N. J.
Newark Casting Co., Newark, Ohio.
Newark Cork Products Co., 26 Franklin, Newark, N. J.
Newark Cornice & Skylight Works, 9-15 17th av., Newark, N. J.
Newark Cut Glass Co., 61 Arlington, Newark, N. J.
Newark Door Co., 221 Sussex av., Newark, N. J.
Newark Elmar A. & Co., advtg. spec., Charlotte, Mich.
Newark Fire Proof Sash & Door Co., laundry tray cover, 138 Avon av, Newark, N. J.
Newark Gas Engine & Mfg. Co., friction clutches, 479 Canal, New York, & 676 N. 6th, Newark, N. J.
Newark Gear Cutting Machine Co., 69 Prospect, Newark, N. J.
Newark Glass Co., 273 Market, Newark, N. J.
Newark Go-Cart Mfg. Co., 199 Washington, Newark, N. J.
Newark Hair Felt Co., Lansdale, Pa.
Newark Hat Block & Mach. Co., 320 Ogden, Newark, N. J.
Newark Jewel Co., 51 Lawrence, Newark, N. J.
Newark Knitting Wks., sweaters, etc., 587 S. 10th, Newark, N. J.
Newark Leather Goods Wks., 28 Division pl, Newark, N. J.
Newark Leather Machy. Co., 153 Frelinghuysen av, Newark, N. J.
Newark Mantel Co., 59 Poinier, Newark, N. J.

Newark Masons Contracting Co., 156 Ridge, Newark, N. J.
Newark Metal Co., scrap iron, Newark, N. J.
Newark Metal Treating Co., case hardening, Newark, N. J.
Newark Packing Co., meat, 217 Astor, Newark, N. J.
Newark Paraffine & Parchment Paper Co., 90 West, New York.
Newark Paving Co., 133 1st, Newark, N. J.
Newark Plaster Co., 65 Bridge, Newark, N. J.
Newark Rivet Wks., 262 Lafayette, Newark, N. J.
Newark Sand Co., ft Center, Newark, N. J.
Newark Sheet Metal Co., Newark, N. J.
Newark Sign Co., 33 Treat Place, Newark, N. J.
Newark Soap Co., Newark, N. J.
Newark Spring Mattress Co., 220 B'way, New York, & 80 Madison, Newark, N. J.
Newark Stamping & Foundry Co., hose clamps, Newark, Ohio.
Newark Steel & Iron Wks., 12 Mercer, Newark, N. J.
Newark Tallow Co., soap, Newark, Ohio.
Newark Technical School, engng. school & coll., 367 High, Newark, N. J.
Newark Trunk Co., 11 W. 42d, New York.
Newark Tube & Metal Wks., 560 Ferry, Newark, N. J.
Newark Varnish Wks., 111 Delancey, Newark, N. J.
Newark Vegetable Ivory Button Co., 228 High, Newark, N. J.
Newark Weather Strip & Screen Co., 7 Nevada, Newark, N. J.
Newark Wire Cloth Co., 222-230 Verona av, Newark, N. J.
*See adv index at end of book*
Newaygo Portland Cement Co., Grand Rapids, Mich.
Newbern Iron Works & Supply Co., mill & factory supplies, Newbern, N. C.
Newberry Cotton Mills, sheetings, Newberry, S. C.
Newberry Hardware Co., Alliance, Neb.
Newberry, Isaac, turpentine, Arlington, Ga.
Newberry, Robt. Thorne, architect, 108 S. La Salle, Chicago, Ill.
Newberry, S. W., contrs., Norristown, Pa.
Newberry, Wm. F., architect, Otis Bldg., Phila., Pa.
Newberrys Hdwe. Co., mill & factory supplies, Alliance, Neb.
Newbold, R. S., & Son Co., machsts. & fndrs., Morristown, Pa.
Newborn, W. H., & Co., bottle mfrs., Royersford, Pa.
Newburg, Carl A., contractor, Ridgway, Pa.
Newburgh Brick & Clay Co., Engineers bldg., Cleveland, Ohio.
Newburgh Cornice Wks., galv. iron store fronts, Newburgh, N. Y.
Newburgh Lumber Co., Newburgh, N. Y.
Newburgh Planing Mill Co., Newburgh, N. Y.
Newburgh Shipyds., Inc., Newburgh, N. Y.
Newburgh Silk Co., umbrella cloth, Newburgh, N. Y.
Newbury, J. G., Iron Wks., machsts. & fndrs., Coxsackie, N. Y.
Newbury, J. H., machsts. & fndrs., Goshen, N. Y.
Newbury Mfg. Co., machsts. & fndrs., Monroe, N. Y.
Newburyport Counter Co., Newburyport, Mass.
Newby, C. H., brick, Lynnville, Ia.
Newby & Evans Co., pianos, So. blvd. near E. 136th, New York.
Newcastle Portland Cement Co., fire brick, New Castle, Pa.
Newcomb, F. H., employees' uniforms, 136 Flatbush av, Brooklyn, N. Y.
Newcomb Loom Co., Davenport, Ia.
Newcombe, T. J., granite, Barre, Vt.
Newcomber, J. M., & Co., masons' & bldrs.' matls., Waynesboro, Pa.
Newcomer Coke Co., Uniontown, Pa.
Newcomer, John D., architect, Charleston, S. C.
Newell-Bissell Lbr. Co., Seattle, Wash.
Newell & Brother, soap, Army & San Bruno, San Fran., Cal.
Newell Coal & Lumber Co., masons' & bldrs.' matls., Pawtucket, R. I.
Newell, Frank V., architect, 08 Av A, Miami, Fla.
Newell, Fred E., machsts., Central Falls, R. I.
Newell, H., & Co., masons' & bldrs.' matls., Shelburne Falls, Mass.
Newell & Knowlton, machsts. & fndrs., Peabody, Mass.
Newell L. B., cloth & metal signs, 170 Summer, Boston, Mass.
Newell Lbr. Co., Eunice, La.
Newell Mfg. Co., machsts. & fndrs., Ogdensburg, N. Y.
Newell Mfg. Co., sugar cane shredders, mills, etc., 149 B'way, New York.
Newell Mill & Lumber Co., Seattle, Wash.
Newell, T. D., contractor, Richmond, Va.
Newell, Wm. B., contractor, Richmond, Va.
Newfield Silver Mfg. Co., electric auto lamps, State & Ash, Bridgeport, Conn.
Newfields Iron Fdy., Newfields, N. H.
Newgard, Hy., & Co., boxes, plugs, switchboards, etc., 947 Washington blvd., Chicago, Ill.
Newhall & Blevins, architects, 9 Park, Boston, Mass.
Newhall, Geo. M., paper & pulp mill architect, Com'l Trust Bldg., Philadelphia, Pa.
Newhall Chain, Forge & Iron Co., chain manfrs., 89 West, New York.
Newhall Engng. Co., 149 B'way, New York.
Newhall, Geo. M., Engng. Co., 149 B'way, New York.
Newhart & Newhart, contrs., Terre Haute, Ind.
Newhof, L., fertilizer mfrs., Albany, N. Y.
Newhouse, Henry L., architect, 4630 Prairie av, Chicago, Ill.
Newichawanick Co., carriage robes, woolen blankets, South Berwick, Me.
Newkirk, Clement R., architect, Cutler Bldg., Rochester, N. Y.
Newkirk, Jno. B., & Co., scrap iron & steel, Harrison Bldg., Philadelphia, Pa.



Newland Hat Co., umbrella mfrs., 162 Jefferson av, Detroit, Mich.
Newlands Bros., machsts. & fndrs., 28th & A. V. Ry., Pittsburgh, Pa.
Newlands Sanitary Laboratory, 111 Laurel, Hartford, Conn.
Newlin-Knight Hardware Co., 411 Commerce, Philadelphia, P
Newlon Foundry & Machine Co., Grafton, W. Va.
Newman, A., machst. & fndr., Amber, N. Y.
Newman, A. J., marble & stone monuments, Shreveport, La.
Newman, Andrew, Co., wire drawing plates & dies, 26 Cortlan New York.
Newman Bros. Co., organs, pianos, 806 Dix, Chicago, Ill.
Newman, C., Wire Co., 25 Church, New York.
Newman & Carey Sub. Constr. Co., 1228 Nostrand av, Brooklyn N. Y.
Newman Clock Co., 565 Wash. blvd., Chicago, Ill.
Newman & Co., cornices, Ogden, Utah.
Newman, E. B., Charcoal Co., 548 W. 25th, New York.
Newman, E. W., flour mills, Ashland, Va.
Newman, Edgar M., architect, 30 N. La Salle, Chicago, Ill.
Newman Elec. Lamp Co., 717-21 Sycamore, Cincinnati, Ohi
Newman, F. E., architect, 1123 B'way, New York
Newman & Harris, architects, 1123 B'way, New York.
Newman, J. J., Lbr. Co., Scranton, Pa.
Newman Mach. Co., wood planing machs., Greensboro, N. C.
Newman Mfg. Co., architectural & ornamental brass work, sp cial machy, 717 Sycamore, Cincinnati, Ohio, & 68 W Washington, Chicago, Ill. *See adv index at end of book*
Newman Mfg. Co., foot valves, 79 Barclay, New York.
Newman Manufacturing Co., jigs & fixtures, 542 W. Jackso Chicago, Ill. *See adv index at end of book*
Newman Thomas L., architect, 2236 Ellis av, New York.
Newman Tool Co., punching & blanking dies, 24 Centre, Ne York
Newman, W. A., architect, 7th & Mission, San Francisco, Cal.
Newman, W. H. H., & Co., tin plate, metals, etc., 70 Mai Buffalo, N. Y.
Newman, W. J., Co., contractors, 19 N. Curtis, Chicago, Ill.
Newmann, R. F., architect, 1123 E. Houston, San Antonio, Te
Newman's Akron Cement Co., 141 Erie, Buffalo, N. Y.
Newmarket Mfg. Co., cotton sheetings, Newmarket, N. H.
Newport Boiler Co., 105 S. Dearborn, Chicago, Ill.
Newport Chemical Works, Milwaukee, Wis.
Newport Constr. Co., Herkimer, N. Y.
Newport Culvert Co., Newport, Ky.
Newport Fdry. Co., Newport, Ky.
Newport Fdry. & Machine Co., mill & factory supp., Newpor Ark.
Newport Lumber Co., Newport, Ark.
Newport Mfg. Co., lbr., Greensboro, N. C.
Newport Mill Co., flour, Newport, Tenn.
Newport Mining Co., iron ores, Milwaukee, Wis.
Newport News Shipbuilding & Dry Dock Co., steel cast'g, 2 B'way, New York.
Newport Novelty Mfg. Co., goggles, 28 Boerum, Brooklyn, N.
Newport Pressed Brick & Stone Co., Newport, Ky.
Newport Rolling Mill Co., plain ridge roll, Newport, Ky.
Newport Sand Bank Co., Newport, Ky.
Newport Turpentine & Rosin Co., Milwaukee, Wis.
Newsom, Sidney B., & Noble, architect, Nevada Bk. Bldg., S Francisco, Cal.
Newson, J. Cather, architect, 1422 B'way, Oakland, Cal.
Newson, Wm. A., contractor, Sharon Bldg., San Francisco, C
Newth, N. J., Hardware Co., Ilion, N. Y.
Newton, A. C., brick, Crescent, N. Y.
Newton, A. E., & Co., oils & greases, 164 Prospect av, B'kly N. Y.
Newton, Albro J., Co., sash, door & blind mfrs., 575 Uni Brooklyn, N. Y.
Newton Automatic Shading Pen Co., Pontiac, Mich.
Newton, B. S., architect, 1125 Pleasant, Worcester, Mass.
Newton, C., stage lights & stereopticons, 305 W. 15th, New Yo
Newton Chemical Co., wood alcohol, Olean, N. Y.
Newton C. T., lamps, 305 W. 15th, New York.
Newton & Co., woolen flannels, Homer, N. Y.
Newton, Edwin A., machsts. & fndrs., 310 N. 4th, Phila., Pa.
Newton Engineering Co., 221 Grand, Milwaukee, Wis.
Newton, F. C., sash, door & blind, 57 Bristol, Boston, Mass.
Newton Falls Mfg. Co., carpenters, etc., mallets, Newton Fal Ohio.
Newton Falls Paper Co., Watertown, N. Y.
Newton, Geo. F., architect, 6 Beacon, Boston, Mass.
Newton & Haggerty Ladder Co., Ann Arbor, Mich.
Newton, James, print'g presses & mach'y, 116 Nassau, New Y
Newton Line Co., fish line mfrs., Homer, N. Y.
Newton Louis Sheldon, architect, Hartford, Vt.
Newton Lumber Co., Newton, Kans.
Newton Lumber & Investment Co., Pueblo, Colo.
Newton Lumber & Mfg. Co., Colo. Springs, Colo.
Newton Machine Tool Works, Inc., 23rd & Vine, Philadelp Pa.
Newton Milling & Elevator Co., Newton, Kans.
Newton Oil Mill, fertilizer mfrs., Newton, Miss.
Newton Packing Co., meat, 1041 14th av, Detroit, Mich.
Newton Paper Co., Holyoke, Mass.
Newton Roller Mills, Newton, N. C.
Newton Steel Co., Youngstown, O.

ton, Theo., & Co., contractors, Hartford, Conn.
ton, Thos. S., mason, Hartford, Conn.
ton & Thompson Mfg. Co., locked cornered boxes & wood turning, 200 5th av, New York
ton, W. A., & Co., contractors, Springfield, Mass.
ton, W. H., & Son, carriage bodies, forgings, trunks, etc., Cortland, N. Y.
on, Weller, Wagner Co., whol. hdwe., San Antonio, Tex.
ton & Hill, mill & facty. supplies, Fort Edward, N. Y.
ton's Cal. Fireworks Co., 249 Front, San Francisco, Cal.
onsville Canning Co., Newtonsville, Ohio.
Albert, contractor, Dubuque, Ia.
J. M., Co., gold & silver alloys & solder, Hartford, Conn.
Mfg. Co., agricultural implements, Canton, Ohio.
V. L., Hay Tool Co., Canton, Ohio.
ara Alkali Co., nitric acid, chlorine, potash, etc., Niagara Falls, N. Y.
ara Auto Radiator Co., auto metal bodies, 151 W. 68th, New York.
ara Box Co., 820 S. Division, Buffalo, N. Y.
ara Brass Mfg. Co., 165 Adams, Buffalo, N. Y.
ara Cotton Batting Co., Lockport, N. Y.
ara Cut Glass Co., Buffalo, N. Y.
ara Electro Chemical Co., Niagara Falls, N. Y.
ara Emery Mills, emery grains, 50 Broad, New York. *See adv index at end of book.*
ara Envelope Manufactory, Buffalo, N. Y.
ara Falls Builders' Supply Co., Niagara Falls, N. Y.
ara Falls Furnace Co., Niagara Falls, N. Y.
ara Falls Hair Cloth Wks., Niagara Falls, N. Y.
ara Falls Hardware & Supply Co., Niagara Falls, N. Y.
ara Falls Metal Stamping Wks., dog tags, chains, dies, signs, etc., Niagara Falls, N. Y.
ara Falls Milling Co., flour, Buffalo, N. Y.
ara Falls (Ont.) Gaskets & Packing Co., packing mfrs., Church & Fulton, New York. *See adv index at end of book.*
ara File & Rasp Co., Lockport, N. Y.
ara Fire Extinguisher Co., 209 S. La Salle, Chicago, Ill.
ara Fdry. Co., Niagara Falls, N. Y.
ara Gypsum Co., wall plaster mfrs., Buffalo, N. Y.
ara Hydraulic Engine Co., Chester, Pa.
ara Insula-Bake Specialty Co., Inc., switches, elec. gds., machy., etc., Albany, N. Y.
ara Litho Co., signs, 1050 Niagara, Buffalo, N. Y.
ara Lubricator Co., oil pumps, Ellicott Sq, Buffalo, N. Y.
ara Machine & Tool Works, Buffalo, N. Y. *See adv index at end of book.*
ara Mfg. Co., battery holders, Holyoke, Mass.
ara Metal Weather Strip Co., 33 W. Tupper, Buffalo, N. Y.
ara Motor Boat Co., North Tonawanda, N. Y.
ara Motors Corp., machsts., Ellicott Sq, Buffalo, N. Y.
ara Musical Instrument Co., North Tonawanda, N. Y.
ara Paper Mills, Lockport, N. Y.
ara Radiator & Boiler Co., machsts. & fndrs., North Tonawanda, N. Y.
ara Refrigerator Works, 20 Superior, Buffao, N. Y.
ara River Mfg. Co., paper & pulp mills, Niagara Falls, N. Y.
ara Screw Co., Buffalo, N. Y.
ara Searchlight Co., projectors, Niagara Falls, N. Y.
ara Silk Mills, knitted gloves, North Tonawanda, N. Y.
ara Smelting Corp., caustic soda, Niagara Falls, N. Y.
ara Sprayer Co., machsts., Middleport, N. Y.
ara Textile Co., huck towels, Lockport, N. Y.
ara Thread Co., Ontario & Janney, Philadelphia, Pa.
Bros. Constr. Co., Troy, N. Y.
tic Menhaden Oil & Guano Co., fertilizer mfrs., South Lyme, Conn.
o Chem. Co., arsenic, cobalt, oxide & glauber salts, New Market, N. J.
y Mimnaugh Lbr. Co., Wallowa, Ore.
ck, F. C., masons' & bldrs' matls., Concord, N. C.
Ball Bearing Co., 30 & Nicetown, Philadelphia, Pa.
Eugene E., mfr. of paints, varnishes, stains & enamels, 272 S. 2nd, Phila., Pa.
own Plate Washer Co., iron discs, 1824 Juniata, Nictown, Philadelphia, Pa.
d-Straight Fdry. Co., 319 W. Austin av, Chicago, Ill.
l, Thos. J., & Co., steam fitters' supplies, Pearl & Ludlow, Cincinnati, Ohio
las, Frank J., contractor, Sullivan, Ind.
las H. R. & Co., contrs., Terre Haute, Ind.
las, L. V., Oil Co., Omaha, Neb.
las Power Co., moving picture machines, 90 Gold, New York.
las & Stephenson, machsts. & fdrs., 208 Summer, Boston, Mass.
lls Mfg. Co., machsts. & fndrs.—carpenters' squares, Ottumwa, Iowa.
lls, Wm. H. Co., molding machines, 2 College pl, Brooklyn, N. Y. *See adv. index at end of book.*
lls, Wm. R., contractor chsn., Boston, Mass.
ls, A. W., wood handles, Alba, Mich.
ls, Arthur R., landscape architect, Palace Bldg., Minneapolis, Minn.
ls Bros., knives, cleavers & steel mfrs., Greenfield, Mass.
ls Bros. lbr., Norfolk, Va.
ls Chisholm, lbr., Minneapolis, Minn.

Nichols Contracting Co., Atlanta, Ga.
Nichols Copper Co., refiners & smelters, 25 Broad, New York.
Nichols & Cox Lbr. Co., Grand Rapids, Mich.
Nichols, D. M., Iron Wks., mchsts. & fndrs., 2 Gouvernor pl, New York.
Nichols, Dean & Gregg, whol. hdwe., 8th & Sibley, St. Paul, Minn.
Nichols, Dennis, architect, Vancouver, Wash
Nichols, E. M., htg. contrs., 212 W. Washington sq, Philadelphia, Pa.
Nichols, Edward, architect, 70 Kilby, Boston, Mass.
Nichols Gas Fixture Mfg. Co., 1100 Myrtle av, Bklyn, N. Y.
Nichols, Geo., architect, 34 Lynwood pl, New Haven, Conn.
Nichols, Geo. P., & Bro., turntable tractors & transfer tables, 2139 Fulton, Chicago, Ill. *See adv index at end of book*
Nichols, H. D., contractor, 1381 Stevenson, San Francisco, Cal.
Nichols, J. B., & Son, fertilizer mfrs., 9 E. Camden, Baltimore, Md.
Nichols, J. M., brick, common, Dyersburg, Tenn.
Nichols, J. M., & Co., contractors, Tacoma, Wash.
Nichols, J. S., brick, Columbus, Neb.
Nichols, J. W., lbr., Coffeeville, Ala.
Nichols, John Lincoln, architect, Bloomington, Ind.
Nichols & Lindeman, contractors, Norfolk, Va.
Nichols Lintern Co., signals & resistance units, 8404 Lorain av, Cleveland, Ohio.
Nichols, Martin S., contractor, Atlantic City, N. J.
Nichols, N. J., Co., leather boards, South Coventry, Conn.
Nichols Read Co., masons' & bldrs.' matls., Bath, Me.
Nichols & Shepard Co., agricultural implements, Battle Creek, Mich.
Nichols & Stone Co., combination step ladder chairs, Gardner, Mass.
Nichols, W. H., watchmakers' machy., typewriter parts, etc., Waltham, Mass.
Nichols Wire Co., 21st. & Baltimore, Kansas City, Mo.
Nichols & Wright Motor Co., elec. light plants, 28 Parkridge av, Buffalo, N. Y.
Nicholson, A. L., architect, Perry Bldg., Phila., Pa.
Nicholson, Aaron, machsts., Albany, N. Y.
Nicholson Brick Co., Steubenville, Ohio.
Nicholson Bros., brick, Dutchess Junction, N. Y.
Nicholson & Co., crane chains, Rankin, Pa.
Nicholson File Co., steel file & rasp mfrs., 23 Acorn, Providence, R. I. *See adv. index ata end of book.*
Nicholson, G. G., brick, What Cheer, La.
Nicholson & Galloway, cornices & skylights, 646 Hudson, New York.
Nicholson, John G., sash, door & blind, New Bedford, Mass.
Nicholson, Jos., & Son, contractors, 101 Tremont, Boston, Mass.
Nicholson Ship Log & Realty Co., 409 Superior, N. W., Cleveland, Ohio.
Nicholson, W. H., & Co., compression couplings, exp. mandrels, steam traps, etc., Wilkes-Barre, Pa.
Nichthauser & Levy, tinware mfrs., 252 Java, Bklyn, N. Y.
Nickel, Adolph, Mfg. Co., buffing wheels, 715 Sycamore, Cincinnati, Ohio.
Nickel Alloys Co., anodes, ribbon, etc., Oliver Bldg., Pittsburgh, Pa.
Nickel, F. J. & Son, machsts., Holt, Mich.
Nickel Hardware & Supply Co., Wausau, Wis
Nickel, J. H., contractor, Exchange Bank Bldg., St. Paul, Minn.
Nickel-Lyneis Construction Co., Fond du Lac, Wis.
Nickel Plate Stove Polish Co., 362 E. Illinois, Chicago, Ill.
Nickells, C. C., flour mills, Nickells Mills, W. Va.
Nickelsburg Bros. Co., harness leather, Meadow, Newark, N. J.
Nickerson, Levi, Co., oiled clothing, Gloucester, Mass.
Nickerson Mfg. Co., porch & interior columns, Knoxville, Tenn.
Nickerson, Wallace F., granite producers, Lanesville, Mass.
Nickey, F. P., Hardware Co., cornices & skylights, Santa Ana, Cal.
Nicklas, Wm. H., architect, 1900 Euclid av, Cleveland, O.
Nickless, W. H., lbr. mfrs., Bay City, Mich.
Nickson & Duggan, contractors, Bailey Bldg., Philadelphia, Pa.
Nico Varnish Co., Chelsea, Mass.
Nicol, Chas. W., architect, Lafayette, Ind.
Nicol & Co., hdwe. mfrs. specialties, 218 N. Jefferson, Chicago, Ill.
Nicol, J. M. & J. S., color mfrs. & importrs, Hawthorne, N. J.
Nicol, Langford & Johnston, contractors, Louisville, Ky.
Nicola, Andrew, & Co., contrs., 50 Church, New York.
Nicola Building Co., Lambert & Penn av, Pittsburgh, Pa.
Nicola Lumber Co., Farmers' Bank Bldg., Pittsburgh, Pa
Nicola, Stone & Myers Co., lumber, Swetland Bldg., Cleveland, O
Nicolai-Neppach Co., sashes, doors & blinds, Portland, Ore.
Nicollet Sash & Door Co., 2900 Nicollet av, Minneapolis, Minn.
Nicoll's Granite Wks., S. Quincy, Quincy, Mass.
Nicotine Mfg. Co., insecticides, 117 N. Main, St. Louis, Mo.
Nicoud Mfg. Co., screw mach. products, 6 W. Ill., Chicago, Ill.
Niebling, F. W., Co., ice & refrigerating machs., W. 6th & Maymiller, Cincinnati, Ohio
Niederer, J., Co., bank & office railings, Los Angeles, Cal.
Niederhaus, Fred., fertilizer, Staser, Ind
Niederhut Carriage Co., Denver, Colo
Niedermeier, Henry, contractor, Youngstown, O.
Niedner's, Chas., Sons Co., hose, Malden, Mass.

Niedringhaus, Chas., House Furnishing Co., mattresses, 1003 Franklin av, St. Louis, Mo.
Niehaus, E. F., & Co., lumber, 564 Brannan, San Francisco, Cal.
Niehaus, Jos., Co., chamois importers, 341 W. 4th, Cincinnati, O.
Niehoff, Paul G., & Co., platinum, 232 E. O, Chicago, Ill.
Nielsen, C. A., Coal Co., masons' & bldrs.' matls., Sandusky, O.
Nielsen, Elker R., architect, 305 N. Augusta, Chicago, Ill.
Nielsen, S. N., & Co., contractors, 3059 Augusta, Chicago, Ill.
Nielsen & Wilson Tool Co., for metal stamping, Hartford, Conn.
Nielson, Anton E., machsts. & fndrs., 78 Barclay, New York.
Nielson-Barton Chuck Co., "Eclipse" drill chucks, 106 S. Jefferson, Chicago, Ill. *See adv. index at end of book.*
Niemann Bros., poultry coops, Mt. Olive, Ill.
Niemann & Huronymus, agrl. implts., Mount Olive, Ill.
Niemes, Hy., heating contr., 4112 Hamilton av, Cincinnati, Ohio.
Niemeyer, W. H., & Co., patterns, Bush & Severn, Baltimore, Md.
Niemz, Arthur R., contractor, 847 Bradley pl, Chicago, Ill.
Niessen Bros. & Co., cabinet hdwe. mfrs., 3153 Army, San Francisco, Cal.
Niewenhous, S., Inc., contractor, 412 8th av, New York.
Niggel's, J., Son, masons' & bldrs.' matls., Butler, Pa.
Nigh Lumber Co., Ironton, Ohio.
Nigh, S. H., & Bro., lumber, Catlettsburg, Ky.
Night Commander Lighting Co., gas machines (acetylene), Jackson, Mich.
Nightingale & Childs Co., mill & facty. supplies, 205 Congress, Boston, Mass.
Nightingale Co., garbage disposal plants, etc., 103 Park av, New York.
Nightingale, J. E., machsts., Danvers, Mass
Nightingale-Morse Mills, cotton sheetings, Putnam, Conn.
Nikolas, G. J., & Co., lacquer & varnish mfrs., 1227 W. Van Buren, Chicago, Ill.
Niksah Snow Guard Co., sliding bed casters & wire guards, 5 Mt. Pleasant, Worcester, Mass.
Nikulas, Herman, soap, Republic, Mich.
Niland, J. J., Co., cut glassware, Meriden, Conn.
Niles-Bement-Pond Co., machinery manfrs., 111 Broadway, New York.
Niles-Bemont-Pond Co. of Mass., mill & factory supplies, 930 Oliver, Boston, Mass.
Niles Board & Paper Co., Niles, Mich.
Niles Corrugating Co., iron mfrs., Niles, Ohio.
Niles, F. H., & Co., Inc., machy. dlrs., 233 B'way, New York.
Niles Fire Brick Co., Niles, Ohio.
Niles Forge & Mfg. Co., forgings, steel plate & structural wk., etc., Niles, Ohio.
Niles Iron & Steel Roofing Co., Niles, Ohio.
Niles Mine & Mill Supply Co., cars, scrapers, wagons, etc., Cleveland, Ohio.
Niles Mine & Mill Supply Co., mchsts. & fndrs., Niles, Ohio.
Niles Mine & Supply Co., incline drums, wheels, etc., Citizens Bldg., Cleveland, Ohio.
Niles Sand Gravel & Rock Co., 704 Market, San Francisco, Cal.
Niles Steel Tank Co., Niles, Mich.
Niles & Scott Co., machsts., La Porte, Ind.
Niles Tool Works Co., Hamilton, Ohio.
Nill, Thos. A., cornices & skylights, Monroeville, Ind.
Niloak Pottery, Benton, Ark.
Nilson, A. H., Machine Co., corset, wire forming & stationary machinery, etc., Bridgeport, Conn.
Nilson Bros., htg. contrs., 3222 N. Halsted, Chicago, Ill.
Nilson & Kelez Shipbldg. Corp., Seattle, Wash.
Nilson-Miller Co., machsts, 1304 Hudson, Hoboken, N. J.
*See adv index at end of book*
Nilson, Olaf, contractor, 1966 4th, E., Salt Lake City, Utah.
Nilson & Smith Co., contractors, Great Falls, Mont.
Nilson Tractor Co., 1902 Riverside av, Minneapolis, Minn.
Nimmo Fence & Wire Wks. Co., Dana av & C. L. & N. R. R., Evan, Cincinnati,, Ohio.
Nimmo, Geo., contractor, 634 Clay, San Francisco, Cal.
Nimmons, Geo. C., architect, 122 S. Michigan av, Chicago, Ill.
Nimmons & Nimmons, masons' & bldrs.' matls., Plymouth, O.
Nims Mfg. Co., cords, Mt. Holly, N. C.
Nine Lbr. Co., Klamath, Ore.
Nineteen Hundred Washer Co., clothes washing machs., Binghamton, N. Y.
Ninety-Six Cotton Mill, cotton sheetings, Ninety-Six, S. C.
Nippell, Max, architect, Fort Dodge, Ia.
Nippon Lumber Co., Alpine, Wash.
Nirdinger, Max, architect, Fidelity Bldg., Pittsburgh, Pa.
Nisbet, architects, Macon, Ga.
Nisen, Michael, & Sons, common brick, Union Grove, Wis.
Nisqually Shingle Co., Alder, Wash.
Nissen, Geo. E., & Co., barrows, Winston-Salem, N. C.
Niswander, G. W., & Co., masons' & bldrs.' matls.—who. hdwe., Parkersburg, W. Va.
Nitchie, John E., architect, 61 Park row, New York.
Nitrate Agencies Co., potash, kainit, etc., 102 Pearl, New York.
Nitrated Chemicals Co., Inc., Lorain, Ohio.
Nitro Powder Co., Kingston, N. Y.
Nitrogen Elec. Co., 36 Spring, Newark, N. J.
Nitrogenous Chemical Corp., West End Trust Bldg., Philadelphia, Pa.
Nittinger, Aug., Sr., butchers' knives, 826 N. 4th, Philadelphia, Pa.
Nittinger, S., pianos, 1204 N. 5th, Philadelphia, Pa.



Nitz & Darkow, machinists & founders, Akron, O.
Niver Iron Works Co., Muscatine, Ia.
Nivin Mfg. Co., metal parts washing machy., 83 Larrabee, C cago, Ill.
Nivision-Weiskopf Co., corr. paper, glass bottles, etc., 318 E Cincinnati, Ohio.
Nixa Canning Co., Nixa, Mo.
Nixdorff-Krein Mfg. Co., hdwe. mfrs., 900 Howard, St. Louis, M
Nixon & Costello Co., corr. bottle wrappers, Dayton, Ohio.
Nixon & Glascoff, machsts. & fndrs., Albion, Mich.
Nixon Hardware Co., Rome, Ga.
Nixon, Martin, & Wm. H., Paper Co., 1011 Chestnut, Phila., P
Nixon Nitration Works, powder, etc., New Brunswick, N. J.
Nixon, O. K., lbr., Paden, Miss.
Nixon Ratchet Mining Drill Co., Chattanooga, Tenn.
Nixon-Smith Construction Co., Montgomery, Ala.
N. & M. Lbr. Co., Rochester, Wash.
No-Dust Drying Machine Co., metal drying and polishing m chines, & mechanical dust collectors, mfrs., 157 Dorran Providence, R. I.
Nobach, W. J., Pattern Works, 411-413 S. Clinton, Chicago, Il *See adv. index at end of book.*
Nobbe, Fred, architect, 142 Market, Newark, N. J.
Nobbe, Kaphan, Co., bags & suit cases, 301 Market, Newark, N.
Noble, A., canned goods, Preston, Md.
Noble Brick Co., Glenwood, Ohio.
Noble, Chas. H., corn brooms, Thompsonville, Conn.
Noble, Chas. W., steel struct. work, La Crosse, Wis.
Noble & Cooley Co., nov. toys & games, Granville, Mass.
Noble County Canning Co., Lisbon, Ind.
Noble, E. L., lumber, Mesopotamia, Ohio.
Noble, E. M., & Co., cornices, 108 S. Desplaines, Chicago, Ill.
Noble Electric Steel Co., 995 Market, San Francisco, Cal.
Noble, F. H., & Co., advertising novelties, 555 W. 59th, C cago, Ill.
Noble, H., Co., plastic slate roofers, Caroline & Aliceann Baltimore, Md.
Noble, H. H., masons' & bldrs.' matls., Gouverneur, N. Y.
Noble, Hy. A., Co., patterns & models, sewage disposal outfit 203 Dock, Philadelphia, Pa.
Noble & Hunt, machsts., 359 Mulberry, Newark, N. J.
Noble Machine Co., Ft. Wayne, Ind.
Noble Motor Truck Co., Kendallville, Ind.
Noble, R. E., & Co., inspecting engrs., 785 Market, San Fra cisco, Cal.
Noble, R. F., & Co., canned goods, Cannon, Del.
Noble, Sidney A., contractor, Rockville, Ind.
Noble & Westerbrook Mfg. Co., marking, grinding & polishin machine mfrs., 19 Asylum, Hartford, Conn.
Noble, Wm. K., cooperage stock, Ft. Wayne, Ind.
Noble & Wood Mach. Co., mchsts. & fndrs., Hoosick Falls, N.
Nobles, R. E., & Son, lumber, Pensacola, Fla.
Noblit Bros. & Co., wholesale hardware, 222 S. 2d, Phila., Pa.
Nobs, Chas., & Son, screw mach. products, 156 Astor, Newar N. J.
Noceti, Louis, contractor, Winthrop, Mass.
Nock, F. S., naval architect & machst., East Greenwich, R. I.
Nock & Garside Elevator Co., Denver, Colo.
Nock, Geo. W., Co., hdwe. mfrs., 126 N. 4th, Philadelphia, Pa
Noe, C., ale & beer pumps, 492 E. 167th, New York.
Noe, G. D., Harness Co., Minneapolis, Minn.
Noe, Nicholas, contractor, Lombard Bldg., Indianapolis, Ind.
Noe, Wm. R., & Sons, portables, 53 W. 21st, New York.
Noe-Wadlow Co., archl. iron, 2nd & Oxford, Philadelphia, Pa.
Noecker & Ake Shipbuilding Co., Camden, N. J.
Noel, R. E., stone producer, Hinton, W. Va.
Noell, J. A., canned goods, Bedford, Va.
Noera Mfg. Co., hdwe. mfrs., oilers, pumps, etc., Waterbur Conn.
Noesting Pin Ticket Co., Mount Vernon, N. Y.
Nofftz, R. T., contractor, Champaign, Ill.
No-Filler Fertz. Co., Orangeburg, S. C.
Nofsinger, M. P., canned goods, Fincastle, Va.
Nohsey & Schwab, cornices & skylights, Memphis, Tenn.
Noiseless Typewriter Co., Middletown, Conn.
Nokomis Coal Co., Old Colony Bldg., Chicago, Ill.
Nolan Bros., contractors, Chester & Reading, Pa., & Johnstow N. Y.
Nolan, E. A., architect, Miami, Fla.
Nolan, Jas. H., Sons Co., stone producers, Bloomington, Ind.
Nolan, John F., architect, 47 W. 236th, New York.
Nolan & Johnson, contractors, Crawfordsville, Ind.
Nolan, Thomas, architect, University of Penn., Phila., Pa.
Nolan, Thos., mason, Southington, Conn.
Nolan, Thos. J., architect, Courier-Journal Bldg., Louisville, K
Nolan & Torre, architects, Hennen Bldg., New Orleans, La.
Nolan, Wm., Co., machinists, Lockport, N. Y.
Nolan & Rien, vehicle washers, 53 Cambridge, Boston, Mass.
Nolanad, Wm. C., architect, Beaver Dam, Va.
Nold, C. H., Lumber Co., St. Joseph, Mo.
No-Leak-O Piston Ring Co., 824 W. North av, Baltimore, M
No Leak Paper Dish Co., Wheeling, W. Va.
Nolen, John, landscape architect, Cambridge, Mass.
Nolin Milling Co., flour, Nolin, Ky.
Noll Bros., agrl. machy. & hdwe., 849 Allis, Milwaukee, Wis.
Noll Bros., bowls, lawn swings, Bausman, Pa.
Noll Constr. Co., Chattanooga, Tenn.
Noll, E. P., & Co., maps, 21 N. 7th, Philadelphia, Pa.

l, Geo. H., clothes line fasteners, 27 Crescent, Brooklyn, N. Y.
l, J. F., & Co., fertilizer mfrs., 115 Mulberry, Newark, N. J.
te, Adolph, car wheel presses, Rochester, N. Y.
te Brass Co., founders, Springfield, Ohio.
te, Edw. F. & Fred R., architects, Fullerton Bldg., St. Louis, Mo.
te Screw Mach. Products Co., 1536 Freeman av, Cincinnati, Ohio
te & Nauman, architects, Fullerton Bldg., St. Louis, Mo.
ting, Wm. C., architect, Keyser Bldg., Baltimore, Md.
ty, Hy., Jr., carriages, Lancaster, Pa.
u Oilless Bearing Co., shaft bearing, 6 E. Johnson, Germantown, Philadelphia, Pa.
Mar Mfg. Co., cloth mops, Cleveland, Ohio.
ainy Grove Canning Co., Nominy Grove, Va.
-Explosive Can Co., 127 S. Green, Chicago, Ill.
-Metallic Oilless Bearing Co. of Mass., Newtonville, Mass.
-Smut Carbon Mfg. Co., Rochester, N. Y.
a-Fletcher Lbr. Co., Fletcher, Tenn.
a Mills Co., Ltd., lumber, Beaumont, Tex.
antum Coal Co., masons' & bldrs.' matls., Newtonville, Mass.
otuck Silk Co., Florence, Mass.
pareil Mfg. Co., auto. truck trailers, Cochranton, Pa.
pareil Skylight Co., skylights puttyless, 2611 Penna. av, N. W., Washington, D. C.
pareil Toy & Novelty Co., Inc., 64 Union, Newark, N. J.
n Bag Co., tents, Portland, Ore.
n, E., & Son, bathing suit mfrs., 4019 Gtn. av, Phila., Pa.
nan, A. S., Tool & Mach. Wks., Rome, N. Y.
nan, James H., contr., La Salle, Ill.
nan, Michael, mason bldr., Bridgeport, Conn.
ne's, Jos., Sons Co., blankets, printers' & lithographers', Peterboro, N. H.
ter, Jno., Boiler Wks. Co., 1400 S. 2d, St. Louis, Mo.
ack Brass Mfg. Co., compression & basin cocks, Du Bois, Pa.
beck & Nicholson Co., machsts. & fndrs., Redfield, S. D.
bom Engng. Co., machsts., Denckla Bldg., Philadelphia, Pa.
by & With, cornices & skylights, Port Townsend, Wash.
cross, C. S., & Sons, agrl. implts., Bushnell, Ill.
cross, F. A., architect, 46 Cornhill, Boston, Mass.
cross, J. J., contractor, Burlington, N. J.
cross Marble Co., Harvard & Jenning rd, Cleveland, Ohio.
cross, W. C., Co., masons' & bldrs.' matls., 486 Albany, Boston, Mass.
berg, E. L., architect, 742 Market, San Francisco, Cal.
lberg Mfg. Co., hoisting engines, Chicago & Oklahoma, Milwaukee, Wis.
l-Buffum Pearl Button Co., Louisiana, Mo.
leen Scale Co., Everett, Wash.
leen Fdry. Co., gray iron castings, fittings, inlets, posts, etc., Everett, Wash.
len, A., & Co., importers of antimony & oils, Cotton Exch. Bldg., New York.
len, Andrew B., architect, Napanoch, N. Y.
len Elec. Sign Co., elec. carriage calls, 311 W. 40th, New York.
len, J., cornices, Mount Vernon, N. Y.
len, S., & Co., mfrs., shoe lace tips & metal specialties, 150 S. Water, Providence, R. I. *See adv. index at end of book.*
lham, Geo., architect, 103 Park av, New York
lin, August, architect, Mills Bldg., San Francisco, Cal.
ling, F. George, contractor, 1403 Boston av, Bridgeport, Conn.
lone, Frank, contractor, Mount Vernon, N. Y.
lquist & Nelson, sash, door & blind, Seattle, Wash.
lstrom, C. F., contr., Rockford, Ill.
yke & Marmon Co., flour & cereal mill machy., Kentucky av & Norris, Indianapolis, Ind.
olk Glass Mfg. Corp., bottles & jars, Norfolk, Va.
. J. A., architect, Dunmore, W. Va.
leet Hardware Co., Winston-Salem, N. C.
olk Cereal & Flour Mills, Norfolk, Neb.
olk Creosoting Co., underground conduits, Norfolk, Va.
olk Dredging Co., 217 Water, Norfolk, Va.
olk Granite Co., Quincy, Mass.
olk Hardening Works, Inc., case hardening, 30 Federal, Boston, Mass.
olk Hdwe. Co., 115 Washington, Norfolk, Va.
olk Iron Co., Quincy, Mass.
olk Iron & Wire Works, iron works, Norfolk, Va.
olk Mfg. Co., steel clamps, Norfolk, Conn.
olk Mattress Co., mattress mfrs., Norfolk, Va.
olk Packing Co., Norfolk, Neb.
olk Varnish Co., Norfolk Downs, Mass.
olk Veneer Co., packing box mfrs., Norfolk, Va.
aard, C. C., contractor, Council Bluffs, Ia.
nder, Fred Co., contractor, merchants, Nat. Bk. Bldg., St. Paul, Minn.
ia (The) Co. of America, steel balls & bearings, Anable av, Long Island City, N. Y. *See adv index at end of book*
alair Co., tex. machy., air moistening apparatus, Winston-Salem, N. C.
an, Andrew E., architect, 1526 Devon av, Chicago, Ill.
an Bros., turpentine, Norman Park, Ga.
an Buggy Co., Griffin, Ga.
an, C. Erwin, & Co., mill & facty. supplies, 18 W. Kinzie, Chicago, Ill.

Norman, Felix, lbr., Patterson, La.
Norman, M. D. & J. T., turpentine, Norman Park, Ga.
Norman, M. R., lbr., Fort Deposit, Ala.
Norman Milling & Grain Co., flour, Norman, Okla.
Norman, N., contractor, Mohawk Bldg., Spokane, Wash.
Norman Picker Co., machsts., Nanticoke, Pa. (tr.)
Norman, R. L., turpentine, Norman Park, Ga.
Norman Section, Inc., metal clad doors & cornices, Winfield, Long Island City, N. Y.
Norman, U. G., contractor, Champaign, Ill.
Norman, W. F., Sheet Metal Mfg. Co., wall ties, Nevada, Mo.
Norman, Wm., Co., hosiery, 1832 Ogden av, Chicago, Ill.
Normile, Simon, contractor, Seattle, Wash.
Norrie Brass Fdry., 836 W. Fort, Detroit, Mich.
Norris Bros., oil & gas well supplies, etc., Robinson, Ill.
Norris Bros., textile machy., supplies, Greenville, S. C.
Norris Cotton Mills Co., cotton sheetings, Catuchee, S. C.
Norris, D. M., & Son, mill & facty. supplies, Kankakee, Ill.
Norris Elec. Spec. Co., wire pullers, cable grips, etc., 126 Liberty, New York.
Norris, J. F., masons' & bldrs'. matls., Warrenton, Ga.
Norris, J. T., canned goods, Van Bibber, Md.
Norris, L. A., Co., masons' matls., 140 Townsend, San Francisco, Cal.
Norris Noiseless Pedal Action Co., Stoughton, Mass.
Norris, R. H., Hardware Co., Childress, Tex.
Norris, R. W., & Sons, whol. hdwe., 342 N. Gay, Baltimore, Md.
Norris, Robert O., flour mills, Lively, Va.
Norris Safe & Lock Co., fire & burglar proof, Seattle, Wash.
Norris, W. C., oil well pumping supplies, Tulsa, Okla.
Norris, W. H., Lbr. Co., Houston, Tex.
Norris, Wm. H., & Sons, soap, Chelsea, Mass.
Norristown Brick Co., Norristown, Pa.
Norristown Iron & Steel Co., scrap iron, Norristown, Pa.
Norristown Magnesia & Asbestos Co., Norristown, Pa.
Norristown Varnish Co. (Ltd.), Norristown, Pa.
Norse Pottery Co., Rockford, Ill.
North Alaska Salmon Co., canned goods, San Francisco, Cal.
North American Accident Insurance Co., 209 S. La Salle, Chicago, Ill.
North American Chemical Co., potash, salt mfrs., etc., Bay City, Mich.
North American Chemical & Engineering Co., 23 Old Slip, New York.
North American Construction Co., Bay City, Mich.
North American Copper Co., rds. sheets tubing, lead, wire alloys, etc., 52 Vanderbilt av, New York.
North American Dredging Co., Central Bldg., Los Angeles, & Mer. Exch. Bldg., San Francisco, Cal.
North American Handle Co., hickory handles, Fort Hill sq., Boston, Mass.
North American Knitting Mills, sweaters, cardigans, etc., 740 Flushing av, Brooklyn, N. Y.
North American Mfg. Co., torches, 590 Carnegie av, Cleveland, Ohio
North American Mercantile Co., rice mill, 330 Front, San Francisco, Cal.
North American Motors Co., automobile engines, Pottstown, Pa.
North American Railway Construction Co., 53 W. Jackson blvd., Chicago, Ill.
North American Slide Co., 122 N. 13th, Philadelphia, Pa.
North American Smelting Co., 9th & Thompson, Phila., Pa.
North American Tuna Canning Co., Terminal, Cal.
North American Watch Co., Mansfield, Ohio.
North Augusta Warehouse & Fertilizer Co., North Augusta, S. C.
North Baltimore Bottle Glass Co., Terre Haute, Ind.
North Barre Granite Co., Barre, Vt.
North Bend Fire Brick Co., Gleasonton, Pa.
North Bend Iron Wks., North Bend, Ore.
North Bend Lbr. Co., Edgewick, Wash.
North Bend Mill & Lbr. Co., North Bend, Ore.
North Berwick Co., woolen flannels, North Berwick, Me.
North Bluff Mill Co., Blaine, Wash.
North Bradshaw Co., contractors, Jackson, Mich.
North Branch Flooring Co., 2415 Barry av, Chicago, Ill.
North Branch Milling Co., flour, North Branch, Minn.
North Bridge Brush Co., sanitary brushes, all kinds, Freeport, Ill.
North Bros. Mfg. Co., hardware specialties & tools, Lehigh & American, Phila., Pa.
North Buffalo Hdwe. Fndry. Co., 743 Hertel av, Buffalo, N. Y.
North Carolina Granite Corp., Mount Airy, N. C.
North Carolina Mica Co., 80 North, Boston, Mass.
N. C. Naval Stores Co., pine pitch, tar, turpentine, etc., Wilmington, N. C.
North Carolina Ship Bldg. Co., Moorehead City, N. C.
North Carolina Talc & Mining Co., crayons, Hewitts, N. C.
North Carolina Wheel Co., High Point, N. C.
N. C. & St. L. Ry, machsts. & fndrs., Nashville, Tenn.
North Chelmsford Machine & Supply Co., mill & facty. supplies, North Chelmsford, Mass.
North Chicago Brass Wks., North Chicago, Ill.
North Chicago Machine Co., North Chicago, Ill.
North Chicago Roofing Co., felts, 851 W. North av, Chicago, Ill.
North Coast Dry Kiln Co., Seattle, Wash.
North Coast Lumber Co., 1040 Lbr. Exch., Minneapolis, Minn.

North Dakota Harness Co., Fargo, N. D.
North Dakota Metal Culvert Co., Fargo, N. D.
North Dighton Co-operative Stove Co., North Dighton, Mass.
North East Coal Co., Commercial Tr. Bldg., Phila., Pa.
North East Electric Co., automobile accessories, Rochester, N. Y.
North East Fire Brick Co., North East, Md.
North Eastern Constr. Co., 225 5th av, New York.
North Eastern General Supply Co., masons' & bldrs.' matls., 1001 N. Patterson Pk. av, Baltimore, Md.
North Elec. Co., dry batteries, Am. Trust Bldg., Cleveland, Ohio.
North Elec. Mfg. Co., telephone switchboards, Galion, Ohio.
North End Fndry. Co., 60th av & Ry. Tracks, Milwaukee, Wis.
North End Foundry Co., machsts. & fndrs., West Allis, Wis.
North End Lbr. Co., Tacoma, Wash.
North End Paper Co., Fulton, N. Y.
North Fork Lbr. Co., Boyer, W. Va.
North, Frazier, & Co., lumber mfrs., Portland, Ind.
North Indiana Brick Co., Michigan City, Ind.
North Indianapolis Cradle Works, Indianapolis, Ind.
North Iowa Brick & Tile Co., Mason City, Ia.
North Jersey Building Co., 207 Market, Newark, N. J.
North Jersey Paint Co., Stewartsville, N. J.
North Jersey Quarry Co., Morristown, N. J.
North, Jos. W. & Sons, polishing cloths, Elizabeth, N. J.
North & Judd Mfg. Co., harness, automobile, baggage strap, razor strop & dog collar hardware mfrs., New Britain, Conn.
North Kensington Refinery, brewers' sugar, 214 E. 22nd, New York.
North Lebanon Foundry Co., Lebanon, Pa.
North Liberty Lumber & Coal Co., masons & bldrs.' matls., North Liberty, Ind.
North Louisiana Shingle Co., Ltd., Monroe, La.
North Lubec Mfg. & Canning Co., North Lubec, Me.
North Machine Co., 324 Main, San Francisco, Cal.
North Manchester Fdry. Co., North Manchester, Ind.
North, O. B., & Co., machsts. & fndrs., New Haven, Conn.
North Ogden Canning Co., North Ogden, Utah.
North Pacific Lumber Co., Portland, Ore.
North Pacific Trading & Packing Co., Hobart Bldg., San Francisco, Cal.
North Packing & Provision Co., Somerville, Mass.
North Palix Shingle Co., S. Bend, Wash.
North Penn Washer Co., Drexel Bldg., Philadelphia, Pa.
North & Pfeiffer Mfg. Co., hdwe. mfrs., Hartford, Conn.
North Phila. Brick Works, Rising Sun & Luzerne, Phila., Pa.
North, Shelgren & Swift, architects, Niagara Life Bldg., Buffalo, N. Y.
North Shore Bldg. Material Co., sash, door & blind mfrs., 1237 Belmont av, Chicago, Ill.
North Shore Stone Co., contrs., Evanston, Ill.
North Scituate Cotton Mills, crinoline, mosquito netting, N. Scituate, R. I.
North Shore Ferneries Co., conservatory, garden lawn & porch furniture mfrs., Beverly, Mass.
North Shore Improvement Co., contractors, 25 N. Dearborn, Chicago, Ill.
North Side Carriage Works, Milwaukee, Wis.
North Side Constr. Co., Bessemer Bldg., Pittsburgh, Pa.
North Side Foundry Co., Durham, N. C.
North Side Leather Belting Co., 248 Lorimer, Brooklyn, N. Y.
North Side Lumber Co., Sycamore, Ill.
North Side Packing Co., meat packers, 1448 Spring Garden av, Pittsburgh, Pa
North Side Sash & Door Co., 69 W. Wash., Chicago, Ill., & 2328 N. 2nd, Minneapolis, Minn.
**NORTH SIDE TOOL CO., THE** designers & builders of tools, etc., 17-19 Maryland, Dayton, O.
*See adv index at end of book*
North Star Ash Can Co., ice, waste, etc., cans, 167 Chrystie, New York.
North Star Egg Case Co., Quincy, Ill.
North Star Fdry. Co., 32nd av & 27th, Minneapolis, Minn.
North Star Iron Works Co., machinists, Owatonna, Minn.
North Star Mfg. Co., canvas gloves, Tacoma, Wash.
North Star Shingle Co., Inc., Arlington, Wash.
North Star Spinning & Mfg. Co., castings, etc., St. Paul & Minneapolis, Minn.
North Star Woolen Mill Co., 228 S. 2d, Minneapolis, Minn.
North State Lbr. Co., Charleston, S. C.
North State Milling Co., flour, Greensboro, N. C.
North & Strong Lumber Co., sash, door & blind mfrs., Battle Creek, Mich.
North Tex. Foundry & Machine Co., Paris, Tex.
North Tonawanda Musical Instrument Works, organs (military band), N. Tonawanda, N. Y.
North Vernon Lumber Co., North Vernon, Ind.
North Wales Fdry. Co., North Wales, Pa.
North Wales Mach. Co., North Wales, Pa.
North Wayne Tool Co., Hallowell, Me.
North Wheeling Glass Bottle Co., Wheeling, W. Va.
North Wilkesboro Roller Mills, N. Wilkesboro, N. C.
North West Foundries, Inc., Rochester, N. Y.
North, Wm. F., architect, Glenolden, Pa.
Northampton Cutlery Co., Northampton, Mass.
Northcutt Bros. Co., contractors, Covington, Ky.
Northeast Metal Culv. Co., Nashua, N. H.
Northeast Preserving Works, canned goods, Northeast, Pa.



Northeastern Co., The, preservative, wood, 80 Beverly, Boston, Mass.
Northeastern Iron & Metal Co., scrap iron & steel, Kenosha, Wis.
Northern Bag Co., bags & bagging, 101 3rd av S., Minneapolis, Minn.
Northern Bag & Plate Co., paper dishes, Carthage, N. Y.
Northern Blower Co., hoods, grinding, buffing & polishing wheel, Barberton & W. 65th, Cleveland, Ohio.
Northern Boiler & Struct. Iron Works, Appleton, Wis.
Northern Brass Mfg. Co., machsts. & fndrs., Waukegan, Ill.
Northern California Engineering Works, Redding, Cal.
Northern Casket Co., Fond Du Lac, Wis.
Northern Chemical Co., lubricating oils, Cleveland, Ohio.
Northern Clay Co., arch'l terra cotta, Auburn, Wash.
Northern Coast Timber Co., ties & posts, Tacoma, Wash.
Northern Construction Co., Elkhart, Ind. & Grand Forks, N. D.
Northern Dredge & Dock Co., Duluth, Minn.
Northern Engineering Works, cranes, derricks, elevators, hoists, etc., 9 Chene, Detroit, Mich. *See adv index at end of book.*
Northern Engng. Works, rheostats, 120 Liberty, New York.
Northern Equipment Co., feed water regulators, 111 W. 11th, Erie, Pa.
Northern Fire Apparatus Co., 2422 Univ. av, S. E., Minneapolis, Minn. *See adv. index at end of book.*
Northern Floor Surfacer Co., Green Bay, Wis.
Northern Foundry Co., Alpena, Mich.
Northern Gravel Co., sand producers, Muscatine, Ia.
Northern Hardware Co., Duluth, Minn.; Petoskey, Mich., & Great Falls, Mont.
Northern Hardware & Supply Co., Menominee, Mich.
Northern Hemlock & Hardwood Mfrs'. Ass'n, Oshkosh, Wis.
Northern Illinois Cereal Co., foods, 1306 Belmont av, Chicago, Ill.
Northern Indiana Brass Fndry. Co., Elkhart, Ind.
Northern Industrial Chemical Co., moulded heatproof insulation, 11 Elkins, South Boston, Mass.
Northern Insulating Co., cold storage insulation, St. Paul, Minn.
Northern Iron & Steel Co., ores, Drexel Bldg., Philadelphia, Pa.
Northern Knitting Mills, sweaters, cardigans, etc., 59 W. 19th, New York.
Northern, L. B., flour mills, Hyacinth, Va.
Northern Lime & Stone Co., Petoskey, Mich.
Northern Linseed Oil Co., St. Anthony Park, Minneapolis, Minn.
Northern Lbr. Co., Cloquet, Minn.
Northern Lumber Mfg. Co., Batchelor, La.
Northern Machine Works, Marshall & Jefferson, Phila., Pa., & Wausau, Wis.
Northern Machinery Co., 503 S. 6th, Minneapolis, Minn.
Northern Maine Packing Co., Corinna, Me.
Northern Malleable Iron Co., Wells & Forest, St. Paul, Minn.
Northern Metallic Packing Co., 253 E. 8th, St. Paul, Minn.
Northern Ohio Cooperage & Lumber Co., Parkin, Ark.
Northern Ore Co., zinc ores, Edwards, N. Y.
Northern Paper Mills, paper towels and napkins, Green Bay, Wis.
Northern Pine Crating Co., Cass Lake, Minn.
Northern Redwood Lumber Co., Korbel, Cal.
Northern Refrigerator Co., Grand Rapids, Mich.
Northern Rubber & Supply Co., mill & factory supplies, Duluth, Minn.
Northern Tool Co., machsts., Utica, N. Y.
Northern Water Softener Co., Madison, Wis.
Northern White Cedar Ass'n, Lumber Exchange, Minneapolis, Minn.
Northern Woodenware Co., wood turners, Island Falls, Me.
Northey Mfg. Co., cooling rooms & dirs. butchers' supplies, Waterloo, Ia.
Northfield Furnace Co., cornices & skylights, Northfield, Minn.
Northfield Iron Co., mortar mixers, Northfield, Minn.
Northfield Knife Co., Northfield, Conn.
Northfield Knitting Co., sweaters, Northfield, Minn.
Northfield Knitting Co., 1301 Central av, Minneapolis, Minn.
Northampton Iron Wks., Florence, Mass.
Northland Lumber Co., Grand Rapids, Mich.
Northland Pine Co., lumber, 1645 Hennepin av, Minneapolis, Minn.
Northland Ski Mfg. Co., St. Paul, Minn.
Northport Lbr. Co., Northport, Ala.
Northrop Bros., masons' & bldrs.' matls., Southport, Conn.
Northrop, Coburn & Dodge Co., enameled metal tile & steel ceiling, 120 Liberty, New York.
Northrop, E. R., Co., hose & belting, 88 White, New York.
Northrop, Jos. W., architect, Court Ex. Bldg., Bridgeport, Conn.
Northrop Lubrg. Oil Co., 308 Commercial av, St. Louis, Mo.
Northrup, B. D., machsts. & fndrs., Washington, Pa.
Northrup Hardware Co., Ltd., Boise, Idaho.
Northrup, Jay H., lumber mfrs., ties, poles & posts, Louisa, Ky.
Northrup Lumber Co., Iola, Kans.
Northrup & O'Brien, architects, Winston-Salem, N. C.
Northway Motor & Mfg. Co., auto. engines, Maybry & G. T. R. R., Detroit, Mich.
Northway Trailer Car Co., truck trailers (automobile), East Rochester, N. Y.
Northwest Arkansas Lumber Co., Fayetteville, Ark.
Northwest Hardware Co., Bellingham, Wash.
Northwest Harvester Co., Spokane, Wash.
Northwest Lumber Co., Seattle, Wash.

hwest Material Co., masons' & bldrs.' matls., 3690 Milwaukee av, Chicago, Ill.
hwest Paper Co., Cloquet, Minn.
hwest Steel Co., ft. of Sheridan, Portland, Ore.
hwest Trading Co., Ltd., 72 W. Adams, Chicago, Ill.
hwestern Art Shade Co., 184 W. Lake, Chicago, Ill.
hwestern Barb Wire Co., Sterling, Ill.
awestern Battery Co., 530 Jefferson, Milwaukee, Wis.
hwestern Bedding & Mfg. Co., Wycliff, N. W. cor. Bradford, St. Paul, Minn.
hwestern Blaugas Co., gas liquified, St. Paul, Minn.
hwestern Boiler Works, Superior, Wis.
hwestern Brass Works, fndrs., 2117 N. 9th, St. Louis, Mo.
hwestern Bridge & Iron Co., 32nd & Hopkins, Milwaukee, Wis.
hwestern Bridge & Iron Co., steel struct. work, Portland, Ore.
hwestern Cabinet Co., piano benches, Burlington, Iowa.
hwestern Car Seal Co., 108 N. Jefferson, Chicago, Ill.
hwestern Casket Co., 661 17th av, N. E., Minneapolis, Minn.
hwestern Chem. Co., platers' compounds, soaps, etc., Marietta, Ohio.
awestern Chem. Co., ether, Wanwatosa, Wis.
hwestern Clay Mfg. Co., sewer pipe, drain tile, flue linings, etc., Aledo, Ill.
hwestern Construction Co., Franklin, Pa.
hwestern Cooperage & Lumber Co., Gladstone, Mich.
hwestern Copper & Brass Works, 59 W. 3d, St. Paul, Minn.
hwestern Cornice Works, 1500 Penn av, Baltimore, Md., & 2637 W. Hagert, Phila., Pa.
hwestern Electric Co., rotary converters, variable motors, etc., 408 S. Hoyne av, Chicago, Ill.
hwestern Elec. Equip. Co., Westinghouse agent, jobbers, 35 Vesey, New York.
hwestern Expanded Metal Co., Old Colony Bldg., Chicago, Ill
hwestern Foundry Co., 662 W. 12th, Chicago, Ill.
hwestern Furniture Co., 271 W. Water, Milwaukee, Wis.
hwestern Glass Co., 219 N. 2d, Minneapolis, Minn.
hwestern Glass Co., fruit jars, Saginaw, Mich.
hwestern Glue Co., 44th pl & Packers av, Chicago, Ill.
hwestern Granite Co., St. Cloud, Minn.
awestern Hdwe. & Steel Co., mill & factory supplies, Portland, Ore.
hwestern Iron Co., 1st Nat. Bk. Bldg., Milwaukee, Wis.
hwestern Iron & Metal Co., scrap iron & steel, Racine, Wis.
hwestern Iron Works, machsts. & fndrs., Seattle, Wash.
hwestern Lime Co., Ryan Bldg., St. Paul, Minn.
hwestern Lumber Co., Eau Claire, Wis., & Hoquian, Wash.
hwestern Mail Box Co., 5029 McKissock, St. Louis, Mo.
hwestern Malleable Iron Co., 756 Park, Milwaukee, Wis.
hwestern Mfg. Co., carriages, Fort Atkinson, Wis.
hwestern Mfg. Co., disinfectants & polish, 725 E. Vermont, Indianapolis, Ind.
hwestern Mfg. Co., dynamos & motors, 482 Clinton, Milwaukee, Wis.
hwestern Mfg. Co., logging tools, Duluth, Minn.
hwestern Marble & Tile Co., 27th av, S. & 27th, Minneapolis, Minn.
hwestern Milling Co., flour, Little Falls, Minn.
hwestern Mining & Exchange Co., bituminous coal, Scranton, Pa.
hwestern Motor Co., factory trucks, marine engines, 759 Spring, Eau Clair, Wis.
hwestern Parquet Floor Co., 142 E. Lake, Minneapolis, Minn.
hwestern Pine Tar Co., 1905 Diversey, Chicago, Ill.
awestern Redwood Co., Northwestern, Cal.
hwestern Roofing Cornice & Stamping Works, 1111 S. 5th, Minneapolis, Minn
hwestern Rubber Co., reclaimed rubber, Trenton, N. J.
hwestern Safe Mfg. Co., machsts. & fndrs., Columbia Heights, Minneapolis, Minn.
hwestern Sheet & Iron Works, Wahpeton, N. D.
hwestern Sheet Metal Works, cornices & skylights, Seattle, Wash.
hwestern Shot & Lead Works, 90 Fairfield av, W., St. Paul, Minn.
hwestern Stamp Works, 110 E. 3d, St. Paul, Minn.
hwestern Stamping Co., conduit hangers, Burlington, Ia.
hwestern States Portland Cement Co., Mason City, Ia.
hwestern Steel & Iron Works, Eau Claire, Wis.
hwestern Terra Cotta Co., 2525 Clybourne av, Chicago, Ill.
hwestern Trunk Co., 248 Nicollet av, Minneapolis, Minn.
hwestern Univ., engng. school & coll., Evanston, Ill.
hwestern Wind Engine Co., 110 3d av, N., Minneapolis, Minn.
hwood, H., Co., table glassware, Wheeling, W. Va
mann-Duffke Foundry Co., 27th av, Milwaukee, Wis.
on, A. O., Inc., jacks mfrs., 440 Brookline av, Boston, Mass.
on, Alfred E., Co., steel struct'l Works, 105 W. 40th, New York.
on Broadway Machinery Co., 3rd & Broadway, Cincinnati, Ohio
on Bros., contrs., 1817 Holmes, Kansas City, Mo.
on Bros., roofing slate mfrs., Granville, N. Y.
on, C. A., masons' & bldrs.' matls., West Mentor, Ohio.

Norton, C. H., paper & pulp mill, binder's boards, North Westchester, Conn.
Norton, C. S., Blue Stone Co., Bedford, Ind.
Norton Car & Foundry Co., machsts. & fndrs., Norton, Va.
Norton, Chas. L., architect, Wayne, Me.
Norton Coal Co., coke mfrs., Norton, Va.
Norton Co., grinding wheel mfrs,. Worcester, Mass.
Norton, Daniel R., cotton waste & scrap iron & rubber, Albany, N. Y.
Norton Door Check Co., hdwe. mfrs., 170 Purchase, Boston, Mass.
Norton Door Check Co., 904 W. Lake, Chicago, Ill.
Norton Electric Instrument Co., electrical instruments & ammeters, Manchester, Conn.
Norton, Geo. C., architect, Ind. Life Bldg., Nashville, Tenn.
Norton, Geo. W., soap, Somerville, Mass.
Norton & Gorman, contractors, 301 Douglas, Brooklyn, N. Y.
Norton Grinding Co., grinding & polishing machinery & grinding wheels mfrs., Worcester, Mass.
Norton Hardware Co., Norton, Va.
Norton Hardwood Co., lumber mfrs., Norwalk, Ohio.
Norton Hdwe. Co., mill & factory supplies, Fairhaven, Vt.
Norton Iron Works, Ashland, Ky.
Norton, John, contractor, 47 S. Main, Providence, R. I.
Norton, John C., architect, Ardmore, Pa.
Norton, John S., Co., tin plates, metals, etc., wholesale, 72 Hudson, Jersey City, N. J.
Norton Laboratories, metallic magnesium, Lockport, N. Y.
Norton, M., & Co., scrap rubber, Charlestown, Boston, Mass.
Norton Mfg. Co., machinists, Norton, Kans.
Norton Mattress & Mfg. Co., Norton, Va.
Norton Tool Co., adze, mfg., 799 West Park, Ohio.
Norton, W. A., Co., dock bldrs., 285 Dorchester av., Boston, Mass.
Norton, W. R., architect, Phoenix, Ariz.
Norton, W. T., guy clamps, elec. cable hangers, West Park, Ohio.
Norton, Willis & Co., wheat flour, Topeka, Kans.
Norvell-Wilder Hardware Co., Beaumont, Tex.
Norvell & Wallace, masons' & bldrs.' matls., Nashville, Tenn.
Norvell-Wilder Hardware Co., Beaumont, Tex.
Norviel, H., Scraper Co., fndrs., Pixley, Cal.
Norwalk Auto Parts Co., brake brands & universal couplings, Norwalk, Ohio
Norwalk Brick & Stone Co., Norwalk, Ohio.
Norwalk Drilling Tool Co., Norwalk, Ohio.
Norwalk Foundry Co., Norwalk, Ohio.
Norwalk Iron Works Co. (The), air & gas compressor mfrs., So. Norwalk, Conn.
Norwalk Lock Co., So. Norwalk, Conn.
Norwalk Mfg. Co., plumbers' supplies, E. Norwalk, Conn.
Norwalk Mold Co., grave vault molds, Norwalk, O.
Norwalk Motor Car Co., Martinsburg, W. Va.
Norwalk Tire & Rubber Co., Norwalk, Conn.
Norwalk Vault Co., Norwalk, Ohio
Norway Graphite Milling Co., Birmingham, Ala.
Norwich Belt Mfg. Co., Norwich, Conn.
Norwich Chemical Co., acetate of lime, wood alcohol, etc., Crosby, Pa.
Norwich Knitting Co., sweaters, cardigans, etc., Norwich, N. Y.
Norwich Lbr. Co., Norwich, Pa.
Norwich Pharmacal Co., aloin, Norwich, N. Y.
Norwich Plumbing Supply House, Norwich, Conn.
Norwich Wire Works, display stands & store trucks, Norwich, N. Y.
Norwood & Berdan, paint mfrs., Paterson, N. J.
Norwood Concrete Block & Const. Co., stone, Madison av. & C. L. & N. Ry., Norwood, Ohio.
Norwood Engng. Co., freight elev., filters & paper mill machinery, Florence, Mass.
Norwood Glass Co., window glass mfrs., Clarksburg, W. Va.
Norwood, Jos. W., fish oils, Gloucester, Mass.
Norwood Lbr. Co., Forney & Norwood, N. C.
No-Shammy Product Co., gasoline funnels, 5710 Haugh av., Cleveland, Ohio.
Nositzer, Barnet, horse hair, 307 Pearl, New York.
Noss, Herman, & Sons, sash, door & blinds, York, Pa.
Nosser, J. J., architect, Charles City, Ia.
Nostrand Knitting Mills, sweaters, bathing suits, etc., 1287 Madison, Brooklyn, N. Y.
Notkins, A. L., & Sons, contrs., 23 Church, New Haven, Conn.
Nott-Atwater Co., mill & facty. supplies, Spokane, Wash.
Nott, F. H., scrap iron, steel & rubber, Richmond, Va.
Nott, W. S., Co., mill & facty. supplies, 2d av. N., & 3d, Minneapolis, Minn.
Nottingham & Co., masons' & bldrs.' matls., E. 2d & Wash., Portland, Ore.
Nottingham Mill, cotton sheetings, 314 Dyer, Providence, R. I.
Nottingham, Wm. N., switch boxes, 204 W. Brighton, Syracuse, N. Y.
Nottingham & Wrenn Co., masons' & bldrs.' matls., Norfolk, Va.
Nottleman, Wm. J., contractor, Lockport, N. Y.
Noulett, G. A., & Sons, contrs., Audubon Bldg., New Orleans, La.
Nouvaculite Paving Co., contrs., 6038 Delmar Blvd., St. Louis, Mo.
Novak, Frank, contractor, Hartford rd. & B. & O. R. R., Baltimore, Md.
Novelli & Calgani, granite, Barre, Vt.

Novelty Advertising Co., Coshocton, Ohio.
Novelty Art Glass Shades Co., portables, 418 Prospect av, Cleveland, Ohio.
Novelty Brick & Coal Co., masons' & bldrs.' matls., New Comerstown, Ohio.
Novelty Button Works, 312 7th av., New York.
Novelty Cutlery Co., Canton, Ohio.
Novelty Elec. Co., sheet metal gauges & trailer connectors, 50 N. 4th, Philadelphia, Pa.
Novelty Electric Sign Co., 165 Eddy, San Francisco, Cal.
Novelty Gas & Elec. Fixture Co., 5th & Green, Philadelphia, Pa.
Novelty Incandescent Lamp Co., Emporium, Pa.
Novelty Iron Works, Lock Haven, Pa.; Passaic, N. J., & Sterling, Ill.
Novelty Iron Works Co., hammers, hand power punches & shears, Dyersville, La.
Novelty Knitting Co., bathing suits, Woonsocket, R. I.
Novelty Knitting Mills, sweaters, etc., 1015 Diamond, Phila., Pa.
Novelty Mfg. Co., mchsts. & fndrs., Jackson, Mich.
Novelty Mfg. Co., mill & facty. supplies, Sioux City, Ia.
Novelty Mfg. Co., hardware manufacturers, Waterbury, Conn.
Novelty Printing Co., hosiery bands & labels, 7th & Watkins, Philadelphia, Pa.
Novelty Sign Co., 208 W. 3d, Cincinnati, Oho.
Novelty Slide Co., 209 W. 48th, New York.
Novelty Steam Boiler Works, steel plate work, 917 S. Howard, Baltimore, Md.
Novelty Turning Co., textile machy., supplies, Norway, Me.
Novelty Wire Works, window display fixtures, 840 B'way, New York.
Novelty Wood Works Co., music cabinets, desks, etc., Union City, Pa.
Novelty Wooden Shoe Co., Holland, Mich.
Novelty Yarn Co., auto. binding, 2304 Waterloo, Phila., Pa.
Novitas Co., novelty mfrs., Waltham, Mass.
Novo Mfg. Co., dry batteries, 424 W. 33d, New York.
Novo Oil Engine Co., Lansing, Mich.
Nowack, F. C., stone producers, Menominee, Mich.
Nowack, Frank, willow ware mfr., Liverpool, N. Y.
Nowakouski, Jos., & Co., contractors, 666 Forest, E., Detroit, Mich.
Nowata Hardware & Supply Co., Nowata, Okla.
Nowell, J. M., fertilizer mfrs., Monroe, Ga.
Nowell, Wm., contractor, McKeesport, Pa.
No-Wet Mfg. Co., blacking & polish, 13 W. Kinzie, Chicago, Ill.
No Xal Polish Mfg. Co., 1238 Belmont av., Philadelphia, Pa.
Noxall Mfg. Co., grain separators, Seward, Nebr.
Noxapater Lbr. Co., Hight, Miss.
Noxon Broom Co., Avoca, N. Y.
Noxon, C. Per Lee, spark coils & gas igniters, Syracuse, N. Y.
Noxon & Whitney Co., mill & facty. supplies, Middletown, Conn.
Noye Bros. Co., sawmill machy., Buffalo, N. Y.
Noyes, A. L., lumber, Limestone, Me.
Noyes, B. B., Co., machsts. & fndrs., Greenfield, Mass.
Noyes Bros. & Cutler, plate glass, 6th & Sibley, St. Paul, Minn.
Noyes, C. A., Co., mill & facty. supplies, Brockton, Mass.
Noyes Carriage Co., Elkhart, Ind.
Noyes, Chas. E., starch mfr., Limestone, Me.
Noyes Comb Co., Binghamton, N. Y.
Noyes, E. A., cornices, 1606 W. Lake, Chicago, Ill.
Noyes, Frank A., architect, Chelsea, Mass.
Noyes, H. F., (Est. of), sash, door & blind mfrs., Rutland, Vt.
Noyes, J. B., & Co., lumber, Linnton, Ore.
Noyes & Nutter Mfg. Co., fndrs., Bangor, Me.
Noyes Stove Co., fndrs., Waterville, Me.
Noyes, Walter D, lumber, 148 State, Boston, Mass.
N. & S. Foundry Co., mchsts. & fndrs., Seattle, Wash.
Nu-Back Mfg. Co., metal polish, 114 N. Commercial, St. Louis, Mo.
Nubian Paint & Varnish Co., 1856 Leclair av., Chicago, Ill.
Nucciarone, Albert P., architect, 9 Taylor, Orange, N. J.
Nuckolls Packing Co., meats, Pueblo, Colo.
Nuckols, John T., contractor, Richmond, Va.
Nucoa Butter Co., cocoanut oil, 233 B'way, New York
Nuedling, A., & Son, bldg. contrs., 998 16th, Milwaukee, Wis.
Nu-Ex Fire Appliance Co., extinguishers, Columbus, O.
Nufer Cedar Co., Whitehall, Mich.
Nugent Advtg. Co., signs, 29 N. 13th, Phila., Pa.
Nugent, Robinson, contractor, 2165 Market, San Francisco, Cal.
Nugent, Thos., hot air furnace mfrs., 223 E. 80th, New York.
Nugent, Wm. W., & Co., oiling systems, filters & devices, 146 W. Superior, Chicago, Ill. *See adv. index at end of book.*
Nuhring, Chas., & Bro., boiler compounds, flue cleaners, hose cabinets, racks, reels, packing, etc., & mill & factory supplies, 1212 Walnut, Cincinnati, Ohio.
Null, Geo. W., machsts., Greenmount, Pa.
Nulock Mfg. Corp., auto. locks, 323 W. 11th, New York.
Nulomoline Co., glycerine substitute, 111 Wall, New York.
Nulsen, Klein & Krausse Mfg. Co., barytes, whiting mfrs., Main & Sidney, St. Louis, Mo.
Number One Dist. Co., Cincinnati, Ohio.
Numsen, Wm., & Son, canned goods, 18 Light, Baltimore, Md.
Nunberger, Jos., flour mills, St. Albans, W. Va.
Nunda Casket Co., Nunda, N. Y.
Nungesser Carbon & Battery Works of National Carbon Co., dry batteries, carbon brushes, 1170 E. 38th, Cleveland, Ohio.
Nunn Brass Works, Rochester, N. Y.



Nunner & Ashton Co., bedstead mfrs., 417 E. Pearl, Cincnnati, O.
Nunning, Frank, & Son, machsts., 215 W. 2d, Cincinnati, Ohio.
Nurick, H. J., architect, 830 Putnam av., Brooklyn, N. Y.
Nurnberg Thermometer Co., Inc., 260 E. 138th, New York.
Nurre Mirror Plate Co., medicine cabinets, Bloomington, Ind.
Nurse, Howard B., architect, Cutler Bldg., Rochester, N. Y.
Nusbaum Chemical Co., acetate of lime, wood alcohol, etc., Bradford, Pa.
Nusbaum, D., & Co., sweaters, bathing suits, etc., 341 5th av., New York.
Nusbaum, F. A., clamps, oil filters, etc., 219 Ruffner, Lockland, Ohio.
Nuss Mfg. Co., musical instruments, Harrisburg, Pa.
Nuss & Moore Trunk Co., 1408 Walnut, Kansas City, Mo.
Nussbaum & Hunold, silver nov., 14 Blount, Providence, R. I.
Nussbeck, John G., cornices & skylights, Topeka, Kan.
Nussear, J. S., Jr., architect, 324 N. Charles, Baltimore, Md.
Nu System Elec. Vibrator Co., Lightner Bldg., Detroit, Mich.
Nutt, Geo. D., contractor, Farwell Bldg., Detroit, Mich.
Nutt, Walter J., Lumber Co., Mendon, Ill.
Nuttall, Jno., machy. dlrs., Montgomery & 5th, Philadelphia, Pa.
Nuttall, R. D., Co., gears, pinions & trolleys, McCandless & Harrison av., Pittsburgh, Pa. *See adv index at end of book.*
Nutter Electric Equipment Co., dry batteries, 169 Mass. av, Boston, Mass.
Nutter, F. H., architect, landscape, Palace Bldg., Minneapolis, Minn.
Nutting, C. A., mchsts., Randolph, Wis.
Nutting Truck Co., Faribault, Minn.
Nuttle, H. T. & H. H., canned goods, Hobbs, Md.
Nydegger, Max, hosiery knitting mach'y, 260 W. B'way, New York.
Nyden, John A., architect, 196 N. State, Chicago, Ill.
Nye, Chas. M., architect, Peters Tr. Bldg., Omaha, Neb.
Nye Lusk & Hudson Co., lumber, Thorp, Wis.
Nye-Schneider-Fowler Co., masons' & bldrs.' matls., Fremont, Nebr.
Nye Steam Pump & Machinery Co., 701 N. Western av., Chicago, Ill.
Nye Tool & Mach. Works, 108 N. Jefferson, Chicago, Ill.
Nye & Tredick Co., mchsts., 720 Cherry, Philadelphia, Pa.
Nye, Wm. F., oils, New Bedford, Mass.
Nyelec Switchboard Co., 422 E. 53d, New York.
Nygard, Alfred F., stone carver, 290 Woodward, Detroit, Mich.
Nystrom & Olson, architects, Palladio Bldg., Duluth, Minn.
Nytanday Letter & Design Co., 100 William, New York.

Oades, Walter H., ship bldr., ft. of Dubois, Detroit, Mich.
Oak Flooring Service Bureau, Union Trust Bldg., Cincinnati, O.
Oak Grove Canning Co., Oak Grove, Va.
Oak Grove Handle Co., Cameron, Wis.
Oak Hill Fire Brick & Coal Co., Oak Hill, Ohio.
Oak Hill Foundry & Machine Works, Oak Hill, Ohio.
Oak Rubber Co., balloons (rubber), Ravenna, Ohio.
Oakdale Baking Co., prepared cereal foods, 10th & Susquehanna av, Philadelphia, Pa.
Oakdale Cotton Mills, Jamestown, N. C.
Oakdale Milling Co., flour, Oakdale, Cal.
Oake Pckg. Co., meat packers, Rockford, Ill.
Oakerson-Jones, machsts., Knightstown, Ind.
Oakes Bros., brick, Iowa City, Ia.
Oakes & Burger Co., dairy apparatus & supplies, machy., etc., Cattaraugus, N. Y.
Oakes Co., automobile parts, metal stampings, etc., Indianapolis, Ind.
Oakes & Dow Co., spark plug mfrs., 311 Atlantic av, Boston, Mass.
Oakes, Geo. W., & Co., contractors, Endicott Bldg., St. Paul, Minn.
Oakes Mfg. Co., aniline colors, etc., Steinway, Long Island City, N. Y.
Oakes Mfg. Co., mail boxes, poultry fountains, Tipton, Ind.
Oakes, W. L., machsts, Decatur, Ill.
Oakes, Roland & Co., saparators, Holyoke, Mass.
Oakland Brass Foundry, Oakland, Cal.
Oakland Chemical Co., dioxogen, 10 Astor pl, New York.
Oakland Fndry. & Mach. Co., Oakland, Me.
Oakland Meat & Packing Co., Oakland, Cal.
Oakland Mills, denims, tickings, Taunton, Mass.
Oakland Motor Car Co., Pontiac, Mich.
Oakland Paving Co., Oakland, Cal.
Oakley, Chas. T., architect, Mamaroneck, N. Y.
Oakley Chem. Co., rust preventatives, etc., 22 Thames, New York.
Oakley & Keating, machsts., 673 Manhattan av, Brooklyn, N. Y.
Oakley Machine Tool Co., reamer & cutter grinders, Oakley, Cincinnati, Ohio.
Oakman, Jno., architect, 345 5th av, New York.
Oaks, A. J., machsts., South Fork, Pa.
Oakton Canning Co., Oakton, Ky.
Oakville Co., machsts., Waterbury, Conn.
Oakville Shingle Co., lumber, Bothell, Wash.
Oaldey & Son, architects, 1259 Clinton pl., Elizabeth, N. J. (tr.)
Oarr, H. J., & Son, machsts. & fndrs., Cos Cob, Conn.
Oast, Samuel P., masons' & bldrs.' matls., 1101 Court, Portsmouth, Va.
Oat, Jos., & Sons, fndrs., 232 Quarry, Philadelphia, Pa.
Oates, Isaac E., & Son., flour mills, Elk Garden, W. a.

tes Mattress Co., Little Rock, Ark.
tley, Lincoln N., contractor, Wakefield, R. I.
tman Condensed Milk Co., canned, Dundee, Ill.
tman's Furnace Co., cornices, Medina, Ohio.
Bannon Co., whol. poultry feed, wagoner, Okla.
Bannon Corp., artificial lthr., 200 Fifth av, New York, & 30 State, Boston, Mass.
dyke, Benj. P., conductor pipe mfrs., 1217 Callowhill, Philadelphia, Pa.
ear-Nester Glass Co., bottles, 2d & Chestnut, St. Louis, Mo.
ee, W. J., contr., Highland Park, Ill.
enberger, J., & Son Co., machsts., 125 Barclay, Milwaukee, Wis.
enberger Drop Forge Co., cam shafts, 53d & Burnham, Milwaukee, Wis.
enchain-Boyer Co., machsts. & fndrs., Logansport, Ind.
enhack, C. F., architect, Gluck Bldg., Niagara Falls, N. Y.
enhaus-Nichols Co., architects, 208 S. Center, Schenectady, N. Y.
enshain, J. B., & Sons, canned goods, Montvale, Va.
enshain, Wm., canned goods, Nace, Va. (tr.)
enus, Nichols Co., architects, 119 State, Albany, N. Y.
er, G., & Sons Co., fertilizer mfrs., ammoniates, U. S. Fidelity & Guaranty Bldg., Baltimore, Md.
er Mfg. Co., machinery, Chagrin Falls, Ohio.
erbeck Co., portables, 405 Oswego, Chicago, Ill.
erdorfer, M. L., Brass Co., castings & pumps, 810 E. Water, Syracuse, N. Y.
erhelman, J. A., Foundry Co., Cincinnati, Oho.
erholtzer, Francis D., contractor, Norristown, Pa.
erle, G. F., pipe rests, 238 E. 42d, New York.
erle, G., mach. & fndr., Mellette, S. D.
erlies, Jos. H., architect, Granite Bldg., Rochester, N. Y.
erlin Brick & Tile Co., Oberlin, Ohio.
erly, Jas. B., brick, Wilmington, Del.
ermayer, S., Co., foundry plant equipments, etc., 2563 W. 18th, Chicago, Ill.
erndorf Mfg. Co., machsts. & brass fndrs., 7509 Thomas blvd, Pittsburgh, Pa.
erschelp, H. G., brick, Princeton, Ill.
erst, Richard E., architect, 353 Nat'l av, Milwaukee, Wis.
ert, Jos., Co., meat packers, Lehighton, Pa.
erwarth, Leo L., architect, Frankfort, Ky.
ex Laboratories Co., aniline colors, Marietta, O.
ion Mill & Elevator Co., flour, Obion, Tenn.
itz, John E., architect, 6200 Penn av, Pittsburgh, Pa.
recht, Chas. F., Co., machsts., 8 E. Perry, Baltimore, Md.
rechts, John, Sons Mfg. Co., carriage & wagon wheel hubs, Tell City, Ind.
rien, Andrew M., contractor, Lockport, N. Y.
rien Bros., architects, 240 Montgomery, San Francisco, Cal.
rien Bros., contrs., Avoca, Pa.
rien Bros., contractors, 54 South, New York, & 5624 Chew, Philadelphia, Pa.
rien Bros., roofing slate mfrs., Granville, N. Y.
rien Bros., fndrs., 276 W. Main, Columbus, Ohio.
rien Constr. Co., Syracuse, N. Y.
rien, D. L., cornices, Denver, Colo.
rien, Dennis, & Sons, contrs., 118 Asylum, Hartford, Conn.
rien, Dennis, contractor, Middletown, Conn.
rien, Edw. J., & Bro., steam & hot water contrs., 284 Rodney, Brooklyn, N. Y.
rien, J. M., advtg. spec., 218 S. B'way, Los Angeles, Cal.
rien, Jas. H., contractor, Hearst Bldg., San Francisco, Cal.
rien, Jas. H., Scale & Supply Co., butchers' machy. & supplies, 313 Ellery, Brooklyn, N. Y.
rien, John, Boiler Wks. Co., 11th & Mullanphy, St. Louis, Mo.
rien, Jos. F., Mfg. Co., auto. annunciators, switches, etc., 391 B'way, New York.
rien, Laurence, contractor, 70 Beach, New Haven, Conn.
rien, Louis H., stone producer, West Conshohocken, Pa.
rien, M., cornices & skylights, Manchester, N. H.
rien Machy. Co., 119 N. 3d, Phila., Pa
rien, Matthew, architect, Foxcroft Bldg, San Francisco, Cal.
rien, Morgan M., architect, 49 E. 90th, New York.
rien & Mosher, pack'g box mfrs., 223 Greene, New York.
rien, P. M., contractor, 114 Liberty, New York.
rien, Philip, brick, Verplanck, N. Y.
rien, Smith, architect, 742 Market, San Francisco, Cal.
Cal.
rien, Thos., contractor, Watertown, N. Y.
rien, Thos., & Sons, contractors, Quincy, Mass.
rien, Timothy, & Son, contractors, 137 Black Rock av, Bridgeport, Conn.
rien Varnish Co., mfrs., South Bend, Ind.
rien, Wm. J., Const. Co., 25 S. La Salle, Chicago, Ill.
la Gas Engine Wks., Ocala, Fla.
la Iron Wks., Ocala, Fla.
la Mfg. Co., lumber, Ocala, Fla.
dental Co., plbrs. supplies, Cleveland, O.
dental Construction Co., 2643 Andrews, Los Angeles, Cal.
dental Sheet Metal Wks., cornices & skylights, Seattle, Wash.
an Accident & Guarantee Corp., insurance, 59 John, New York.
an Bath'g Suit Co., 116 W. 23d, New York.

Ocean Food Packing Co., canned goods, Everett, Wash.
Ocean Shore Canning Co., 112 Market, San Francisco, Cal.
Ocean Shore Iron Works, 550 8th, San Francisco, Cal.
*See adv index at end of book*
Ocean Springs Packing Co., canned goods, Ocean Springs, Miss.
Oceana Canning Co., Shelby, Mich.
Ochs, A. C., Brick & Tile Co., Springfield, Minn.
Ochs Construction Co., masons' & bldrs.' matls., Allentown, Pa.
Ochsner, A., & Son, hdwe. mfrs., New Haven, Conn.
Ocilla Oil & Fertilizer Co., Ocilla, Ga.
O'Clair, C. L., granite, Waterbury, Vt.
O'Clair, John, contractor, Cohoes, N. Y.
Oconee Brick & Tile Co., Milledgeville, Ga.
Oconee Fertilizer Co., Dublin, Ga.
Oconee Mills Co., cotton sheetings, Westminster, S. C.
Oconee River Mills, flour, Milledgeville
O'Connell, C. S., contractor, Savannah, Ga.
O'Connell Elec. Co., Inc., massage vibrators, 817 E. 144th, New York.
O'Connell, J. P., & Co., masons' & bldrs.' matls., 174 Freeport, Boston, Mass.
O'Connell, Louis, Co., masons' & bldrs.' matls., Tiffin, Ohio.
O'Connell Lumber Co., Winlock, Wash.
O'Connell, Martin E., carriages, Terre Haute, Ind.
O'Connell, Michael, contractor, New London, Conn.
O'Connell & Shaw, architect, 18 Boylston, Boston, Mass.
O'Connell, Thos., contractor, Fond Du Lac, Wis.
O'Connell's, D., Sons, masons' & bldrs.' matls., contr., Holyoke, Mass.
O'Conner Concrete Constr. Co., Stamford, Conn.
O'Connor & Andrews, contractors, 47 Orange, New Haven, Conn.
O'Connor, Arthur E., cut glassware, Goshen, N. Y.
O'Connor Bros., contrs., Syracuse, N. Y.
O'Connor & Co., Ltd., carriages, 518 Julia, New Orleans, La.
O'Connor Co., heating contrs., Muskogee, Okla.
O'Connor, Francis X., contractor, 253 W. 47th, New York.
O'Connor, J. J., & Co., metal dealers, 1st Nat'l Bank Bldg., Pittsburgh, Pa.
O'Connor, J. P. & J. W., Co., contractors, 189 W. Madison, Chicago, Ill.
O'Connor, Jas., contr., Council Bluffs, Iowa.
O'Connor, Jas., contractor, Middletown, Conn.
O'Connor, Jas., landscape architect, Penfield Bldg., Phila., Pa.
O'Connor, Jas. W., architect, 162 W. 37th, New York
O'Connor, John C., & Son, contractors, Delphi, Ind.
O'Connor, M., architect, Hudson, N. Y.
O'Connor, Maurice M., & Son, granite, Pawtucket, R. I.
O'Connor, Michael J., architect, 103 Park av, New York.
O'Connor, Peter, masons' & bldrs.' matls., Bayonne, N. J.
O'Connor & Schweers Paint Co., enamels & varnish, Augusta, Ga.
O'Connor-Walker Cut Stone Co., 40 Edwards, Hartford, Conn.
O'Connor, Wm. F., Co., contractors, 2540 Callowhill, Phila., Pa.
Oconto Co., lumber mfrs., 80 E. Jackson blvd., Chicago, Ill.
Oconto Co., packing box mfrs., Oconto, Wis.
Octigan Drop Forge Co., horse & mule shoes, 2428 Lowe av, Chicago, Ill.
Octo Engng. Ass'n, Inc., jigs, patterns, piano hdwr., special machy., Rochester, N. Y.
O'Day Bros., slate for elec. purposes, billiard tables, etc., Hydeville, Vt.
O'Day, John, contractor, 90 Miami, Buffalo, N. Y.
O'Day, P. H., & Son, machsts. & fndrs., 253 South, New York.
Oddie, H. H., Inc., contractor, 251 4th av, New York.
Oddy, Hodgson & Son, carriage wheels, Wallingford, Conn.
O'Dea, Jno., masons' & bldrs.' matls., Winona, Minn.
O'Dell Bros., sash, door & blind mfrs., Webster, N. Y.
Odell & Eddy Co., crates, Chaffee, N. Y.
Odell & Ennis, ties, Schaal, Ark.
O'Dell, H. A., architect, Hammond Bldg., Detroit, Mich.
Odell Hardware Co., Greensboro, N. C.
Odell, J. H. & C. S., & Co., organs, 409 W. 42d, New York.
Odell Mfg. Co. See Groveton Paper Co., Inc. (successors)
O'Dell, O. A., sashes, doors & blinds, Gallipolis, Ohio.
O'Dell Wm. H., architect, Hammond Bldg., Detroit, Mich.
Odend-Hal-Monks Corp., cornices, Norfolk, Va.
Odessa Canning Co., Oak Grove, Mo.
Odin Co., elec. clothes washing mach., 319 W. Ohio, Chicago, Ill.
Odin Stove Mfg. Co., Erie, Pa.
Odlen, Herman, iron, Camden, N. J.
O'Donnell Bros., bldg. contrs., 1215 Clybourn, Milwaukee, Wis.
O'Donnell Lumber Co., Dunkirk, N. Y.
O'Donnell Safety System Co., fire doors, Cleveland, Ohio.
O'Donnell Steam Htg. Co., Evansville, Ind.
Odontographic Mfg. Co., dental cements, 211 W. 126th, New York.
Odorless Construction Co., destructors for municipal plants, 103 Park av, New York.
Odorless Refrigerator Co., Chattanooga, Tenn.
O'Dougherty, Francis, Co., water tube boilers, 650 Bedford av, Brooklyn, N. Y.
Oeden, Carl E., architect, Middletown, Ohio.
Oehme, C. C., architect, Billings, Mont.
Oehrle Bros. Co., silk fringes, 427 N. 3d, Philadelphia, Pa.
Oelhafen, John, Co., lbr., Tomahawk, Wis.
Oelman Mach. Co., machinists, 224 St. Antonie, Detroit, Mich.
Oelschaeger Bros., pyrometers, 30 E. 23d, New York.

Oelschlager, Chas. E., architect, Harrison Bldg., Philadelphia, Pa.
Oemler Oyster Canneries, Savannah, Ga.
Oenning Glass & Book Co., Quincy, Ill.
Oertel Roofing Mfg. Co., asphalt felts, paint, etc., E. St. Louis, Ill.
Oesterle Stained Glass Wks., 327 N. 11th, Philadelphia, Pa.
Oesterlein Machine Co., milling machines, etc., Cincinnati, O.
Oettinger, F. W., Corp., lamps & enclosed fuses, 70 E. 45th, New York.
O'Fallon, M. J., Supply Co., plumbers' supplies—jobbers, Denver, Colo.
Ofeldt, F. W., & Sons, machinists, Nyack, N. Y.
Off, Christian, & Co., cornices, Indianapolis, Ind.
Off-Set Tool Co., drilling tools, Bridgeport, Conn.
Offerle & Smith, contractors, Warren, Pa.
Offerman, F. J., Art Works, advtg. novelties, 301 Broadway, Buffalo, N. Y.
Office Appliances Magazine, trade publication, 417 S. Dearborn, Chicago, Ill.
Officer, R. H., & Co., assayers, Salt Lake City, Utah.
Official Mfg. Co., dairy app., La Crosse, Wis.
Ofstein, A., scrap iron & steel, 2 av B, New York.
O'Gara Coal Co., McCormick Bldg., Chicago, Ill.
O'Gara Construction Co., contractors, 242 Market, Newark, N. J.
Ogburn Canning Co., Dallas, Tex.
Ogburn, Sam'l D., flour mills, Springfield, Tenn.
Ogden & Bauer, contractors, Wheeling, W. Va.
Ogden, C. G., & Co., masons' & bldrs.' matls., Swarthmore, Pa.
Ogden, C. S., & Co., rubber washers, 420 E. 159th, New York.
Ogden & Cadmus, masons' & bldrs.' matls., Bloomfield, N. J.
Ogden, Chas. G., architect, 61 State, Albany, N. Y.
Ogden & Co., cornices, Warwick, N. Y.
Ogden, E. F., flour mills, Slaughters, Ky.
Ogden, Henry E., & Sons Co., masons' & bldrs.' matls., 428 Clinton, Newark, N. J.
Ogden Iron Works Co., machsts. & fndrs., Ogden, Utah.
Ogden, J. Edward Co., shifting doors, machsts. & fndrs., mill & facty. supplies, 147 Cedar, New York.
Ogden, J. G., machinist, Marysville, Cal.
Ogden, Jos. R., architect, Atlantic City, N. J.
Ogden Motor & Supply Co., auto bldrs., 3854 Ogden av, Chicago, Ill.
Ogden Packing & Prov. Co., meat, Ogden, Utah.
Ogden Paint, Oil & Glass Co., Ogden, Utah.
Ogden, Palmer H., architect, 597 5th av, New York
Ogden Portland Cement Co., Ogden, Utah.
Ogden Pressed Brick & Tile Co., Ogden, Utah.
Ogden Sewer Pipe & Clay Co., Ogden, Utah.
Ogden & Wallace, steel struct'l dlrs., 577 Greenwich, New York.
Ogdensburg Mach. Co., marine engines, Ogdensburg, N. Y.
Ogeechee Brick Co., Union Point, Ga.
Ogeechee Fertilizer Works, Mayfield, Ga.
Ogeechee River Brick Co., Rocky Ford, Ga.
Ogelthorpe Oil & Fertilizer Co., Athens, Ga.
Ogema Lbr. Co., Ogema, Wis.
Ogg, A., contractor & stone producer, Portsmouth, Va.
Ogle Bros., sand dlrs., 3829 10th av, Seattle, Wash.
Ogle Construction Co., 323 S. Michigan av, Chicago, Ill.
Ogle, Geo. A., & Co., maps, 538 S. Clark, Chicago, Ill.
Oglebay, Norton & Co., pig iron, Wade Bldg., Cleveland, Ohio.
Oglesby Furnace Stove Co., machsts. & fndrs., Clinton, Ind.
Oglesby Granite Co., Elberton, Ga.
Oglesby, W. B., Paper Co., Middletown, Ohio.
Oglethorpe Oil & Fertilzer Co., Athens, Ga.
O'Gorman, Thos. F., patterns & models, 114 Centre, New York.
Ogren Motor Car Co., 39 S. La Salle, Chicago, Ill.
O'Hagan & Clark Constr. Co., 332 S. Michigan av, Chicago, Ill.
O'Hair, P. E., & Co., plbrs. supplies, San Francisco, Cal.
O'Halloran & Jacobs, slate stair treads & risers, Park Bldg., Pittsburgh, Pa.
O'Halloran's, Thos., Sons, glass stainers, 276 Halsey, Newark, N. J.
O'Hanlon, Thos., & Sons, tubular boilers, Utica, N. Y.
O'Hara-Waltham Dial Co., Waltham, Mass.
O'Hare, Wm. P., 98 Clay, Boston, Mass.
O. H. C. Mfg. Co., hog oilers, Peoria, Ill.
O'Hearn, M. J., contractor, Brookline, Mass.
O'Hearn, P., contractor, 1464 Dorchester av, Boston, & Lowell, Mass.
O'Herron, M., Co., contractors, S. 1st & McKean, Pittsburgh, Pa.
O'Herron, M., & Son, contractors, 5706 Vine, Philadelphia, Pa.
Ohio Anchor Fence Co., wire fences & gates, Cleveland, Ohio.
Ohio Art Co., metal signs, litho., Bryan, Ohio.
Ohio Art Glass Co., Youngstown, Ohio.
Ohio Body Blower Co., 9300 Detroit av, Cleveland, Ohio
Ohio Box Board Co., 1390 E. 30th, Cleveland, Ohio.
Ohio Brass Co., The, electric railway, steam specialties, Mansfield, Ohio *See adv index at end of book*
Ohio Brass & Copper Co., 412 Elm, Cincinnati, Ohio.
Ohio Brass & Pattern Co., Canton, Ohio.
Ohio Brick Co., Toledo, Ohio.
Ohio Builders' Supply Co., Toledo, Ohio.
Ohio Bldg. & Constr. Co., 1434 Main, Cincinnati, Ohio.
Ohio Carbon Co., graphite brushes, Fulton pl, Cleveland, O.
Ohio Carriage Mfg. Co., South High, Columbus, Ohio.
Ohio Casket Co., coffins, caskets, etc., Columbus, Ohio.
Ohio Central Glass Co., window glass mfrs., Pleasantville, Ohio.
Ohio Ceramic Engng. Co., scale boxes, Berea rd, Cleveland, O.
Ohio Chemical Co., Findlay, Ohio.
Ohio Chemical & Mfg. Co., mfg. chemists, 1177 Marquette, Cleveland, O.
Ohio China Co., East Palestine, Ohio.
Ohio Cities Gas Co., petroleum & its products, Columbus, Ohio.
Ohio Clay Co., blocks, brick, Guardian Bldg., Cleveland, Ohio.
Ohio Clay Products Co., Salineville, Ohio.
Ohio Coal & Supply Co., masons' & bldrs.' matls., 2869 E. 37th, Cleveland, Ohio.
Ohio Co., vacuum cleaners, 145 W. 45th, New York.
Ohio Corr. Culv. Co., Middletown, Ohio.
Ohio Corrugating Co., sheet steel products, Warren, Ohio.
Ohio Cultivator Co., Bellevue, Ohio.
Ohio Culvert Pipe Co., Tiffin, Ohio.
Ohio Dairy Co., canned goods, Toledo, Ohio.
Ohio Distributing Corp., hangers, 220 Lomax pl, Chicago, Ill.
Ohio Duster Co., Cleveland, Ohio.
Ohio Elec. & Controller Co., lifting magnets, 5900 Maurice av, Cleveland, Ohio. *See adv. index at end of book.*
Ohio Elec. Specialty Mfg. Co., sheet metal & woven wire brushes, Troy, Ohio.
Ohio Elec. Wks., Cleveland, Ohio.
Ohio Electrolytic Oxygen Co., 942 Kenyon, Cincinnati, Ohio
Ohio Elevator & Machine Co., Columbus, Ohio.
Ohio Enamel Co., tinware, 1016 B'way, Cleveland, Ohio.
Ohio Engineering Co., contrs., Lorain, Ohio.
Ohio Falls Iron Co., New Albany, Ind.
Ohio Filler & Shield Co., compounds, lubrg. oils, paints, etc., 522 City av, Columbus, Ohio.
Ohio Fire Brick Co., Oak Hill, Ohio.
Ohio Fireproofing Co., Nelsonville, Ohio.
Ohio Forge Co., special drop & smooth hammered forgings, Cleveland, Ohio.
Ohio Foundry Co., E. 71st & Stanton, Cleveland, Ohio.
Ohio Foundry & Mfg. Co., Steubenville, Ohio.
Ohio Galvanizing & Mfg. Co., cans, etc., Niles, Ohio.
Ohio Gas & Elec. Fix. Co., Cincinnati, Ohio.
Ohio Gas & Elec. Fixture Mfg. Co., 2183 2d, Cleveland, Ohio.
Ohio Gas Meter Co., 912 Soc. for Sav. Bldg., Cleveland, Ohio.
Ohio Grease Co., sight feed lubricators, Loundonville, Ohio.
Ohio Hydrate & Supply Co., Woodville, O.
Ohio & Ind. Stone Co., Greencastle, Ind.
Ohio Injector Co., Wadsworth, Ohio.
Ohio Instrument Mfg. Co., machsts., 5902 Carnegie av, Cleveland, Ohio.
Ohio Iron & Metal Co., R. R. equipments, 38 S. Dearborn, Chicago, Ill.
Ohio Iron & Steel Co., Lowellville, Ohio.
Ohio Kiln Co., Vigo, Ohio.
Ohio Knife Co., Cincinnati, Ohio.
Ohio Lantern Co., Tiffin, Ohio.
Ohio Locomotive Crane Co. (The), Bucyrus, Ohio.
Ohio Machine & Boiler Co., 1501 University rd, Cleveland, Ohio.
Ohio Machine Tool Co., machinists, Kenton, Ohio.
Ohio Machy. Exchange Co., mill & factory supplies, 24 W. 2nd, Cincinnati, Ohio.
Ohio Malleable Iron Co., machsts. & fndrs, 961 N. 4th, Columbus, Ohio.
Ohio Mfg. Co., agricultural implements, Upper Sandusky, Ohio.
Ohio Mfg. Co., steel shop foundry & truck barrels, annealing pans, tote boxes & factory equipment, P. O. Box 136, Painesville, Ohio. *See adv index at end of book.*
Ohio Marble Co., Piqua, Ohio.
Ohio Match Co., Wadsworth, Ohio.
Ohio Mechanics Inst., engng. schools & coll., Cincinnati, Ohio.
Ohio Metal Co., smelters & refiners, 1137 N. 4th, Columbus, O.
Ohio Metal Products Co., screw mach. products, Dayton, Ohio.
Ohio & Mich. Sand & Gravel Co., Toledo, Ohio.
Ohio Motor Co., machinists. Sandusky, Ohio.
Ohio Motor Vehicle Co., Oakview & Nottingham, Cleveland, Ohio
Ohio Northern Univ., engng. schools & coll., Ada, Ohio.
Ohio Nut & Bolt Co., Berea, Ohio.
Ohio Pail Co., Middlefield, Ohio.
Ohio Paper Co., Miamisburg, Ohio.
Ohio Pattern Works, 2730 Spring Grove av, Cincinnati, Ohio
Ohio Pipe Co., new & second hand pipe & machinery, Findlay, O.
Ohio Plumbers' Supply Co., Toledo, Ohio.
Ohio Post Mold Co., 622 Madison av, Toledo, Ohio
Ohio Pottery Co., "Ohio" laboratory porcelain, Zanesville, Ohio.
Ohio Provision Co., meat packers, Clark av & Big 4 R. R., Cleveland, Ohio.
Ohio Printing & Publishing Co., calendars, Massillon, O.
Ohio Pump & Brass Co., Columbus, Ohio.
Ohio Quarries Co., Ohio sandstone, Citizens Bldg., Cleveland, O.
Ohio Rake Co., agricultural implements, Albany, Dayton, Ohio.
Ohio Realty & Constr. Co., 8 E. Broad, Columbus, Ohio.
Ohio Reamer Co., 5333 St. Clair av, Cleveland, Ohio.
Ohio Refrigerating Mch. & Supply Co., mill & factory supplies, 1579 Columbus rd, Cleveland, O.
Ohio River Salt Co., coal mine, Pleasant, W. Va.
Ohio River Sand Co., Louisville, Ky.
Ohio River Sewer Pipe Co., Empire, Ohio.
Ohio River Stone Co., Newport, Ky.

io Road Machinery Co., Oberlin, Ohio.
io Roofing & Asbestos Co., cornices, doors, window frames, 1525 Columbus, Cleveland, Ohio.
io Roofing Tool Co., Tiffin, Ohio.
io Rubber Co., 228 W. 7th, Cleveland, Ohio.
io Salt Co., 100 Hudson, New York.
io Salt Co., chlorate potash, Rittman, O.
io Sandstone Co., 140 S. Dearborn, Chicago, Ill.
io Sanitary Wipers Co., machy. wipers, 2273 Smead av, Toledo, Ohio.
io Sash & Door Co., 711 Canal rd, N. W., Cleveland, Ohio.
io Scrap Iron & Metal Co., Piqua, Ohio.
io Scroll & Lumber Co., Covington, Ky.
io Seamless Tube Co., Shelby, Ohio.
io Seat Co., 1964 Central av, Cincinnati, Ohio.
io Sherardizing Co., Whitney Power Blk., Cleveland, Ohio.
io Shovel & Stamping Co., Dover, Ohio.
io Signal Co., fire alarms, Canton, Ohio.
io Silica Co., East Liverpool, Ohio.
io Spoke & Bending Co., Botkins, Ohio.
io Spring Bed Co., 1281 E. 38th, Cleveland, Ohio.
io State Stove Co., Columbus, Ohio.
io State Univ., engng. schools & coll., Columbus, Ohio.
io Stave Co., Cardington, Ohio.
io Steel Foundry Co., Lima, Ohio.
io Steel Products Co., tubing, Mineral Ridge, Ohio
io Stove Co., Portsmouth, Ohio.
io Tanning Co., patent lthr., Av C, Cincinnati, Ohio.
io Tool Co., Dayton, Ohio
io Top Co., inner tube bags, 909 Broadway, Cincinnati, Ohio.
io Torpedo Co., Steubenville, Ohio.
io Trailer Co., Nottingham & Oakview, Cleveland, Ohio.
io Truss Co., 12 E. 9th, Cincinnati, Ohio.
io Valley Canning Co., Charlestown, Ind.
io Valley Clay Co., Steubenville, Ohio.
io Valley Coffin Co., Lawrenceburg, Ind.
io Valley Enameling Co., signs, Huntington, W. Va.
io Valley Ice & Storage Co., masons' & bldrs.' matls., Steubenville, Ohio.
io Valley Mattress Co., Wheeling, W. Va.
io Valley Mill & Supply Co., masons' & bldrs.' matls., Ashland, Ky.
io Valley Pulley Works, Marysville, Ky.
io Valley Stone Co., Evansville, Ind.
io Valley Supply Co., gas engines & power pumps, Marietta, Ohio.
io Valley Tie Co., Louisville, Ky.
io Valley Wagon Co., Marietta, Ohio.
io Varnish Co., 8604 Kinsman, Cleveland, Ohio.
io Veneer Co., lbr., 2624 Colerain av, Cincinnati, Ohio.
io Wax Paper & Printing Co., Columbus, Ohio.
io Well Drilling Co., contrs., Jacksonville, Fla.
io & Pa. Coal Co., Williamson Bldg., Cleveland, Ohio
io & Western Lime Co., Huntington, Ind., & Luckey, Ohio.
io Wire Goods Mfg. Co., spring cotters & keys, Akron, Ohio.
io Wood Preserving Co., creosoted materials, Century Bldg., Pittsburgh, Pa.
lo Wood Turning Co., bowling alley supplies, Cleveland, O.
l. Geo. A., & Co., shears, 159 Oraton, Newark, N. J.
lemacher Brick Co., Michigan City, Ind.
len-Bishop Co., saw mfrs., 931 Factory, Columbus, Ohio
len, J., & Sons Saw Mfg. Co. See Ohlen-Bishop Co. (successors)
lmacher, C. J., & Co., cornices & skylights, Sycamore, Ill.
lsen, John, & Son, contractors, Loup City, Neb.
lson, O. F., contractor, 10 Brunswick, Worcester, Mass.
man Map Co., 258 Broadway, New York.
men Engine Works, 17th & Capp, San Francisco, Cal.
mer Fare Register Co., Dayton, Ohio.
mer's, M., Sons Co., bank fixtures, Dayton, Ohio.
mlac Mfg. Co., cements, compounds, enamels, paints, etc., 140 S. Dearborn, Chicago, Ill.
r. F. G., carriages, Monroe, Mich.
renstein, Ernest J., architect, 58 W. Washington, Chicago, Ill.
yama, T. H., naval architect, Woolworth Bldg., New York
chman, S., Trunk Co., 29 Howard, New York.
n, Norman, contr., Sioux City, Ia.
City Boiler Works, special steel plate work and machinery, Oil City, Pa.
City Brass Works, Beaumont, Tex.
City Foundry Co., Oil City, Pa.
City Iron Works, mill & factory supplies, Shreveport, La.
City Iron Works, Corsicana, Tex.
City Oil & Grease Co., lubricants, Oil City, Pa.
City Woodworking & Mfg. Co., sash, door & blind mfrs., Oil City, Pa
& Grease Co., soap, 65 B'way, New York.
News, trade publicaton, 14 E. Jackson blvd, Chicago, Ill.
, Paint & Drug Reporter, trade publication, 100 William, New York.
Seeds Co., castor, corn, etc., 35 S. William, New York.
Trade Journal, trade publication, Equitable Bldg., New York.
**L & WASTE SAVING MACHINE CO.,** Real Estate Trust Bldg., Phila., Pa. *See adv. index at end of book.*
Well Improvement Co., Tulsa, Okla.
Well Supply Co., pump rods, 215 Water, Pittsburgh, Pa.

O. K. Clutch Machinery Co., clutch & hoist mfrs., Columbia, Pa.
O. K. Co., poultry supplies, 157 Water, New York.
O. K. Display Fixture Co., 37 Broome, New York.
O. K. Mfg. Co., rubber erasers, Woolworth Bldg., New York.
O. K. Mfg. Co., stationer's specialties, O. C. S. Bk. Bldg., Syracuse, N. Y.
O. K. Nut Lock Co., Turks Head Bldg., Providence, R. I.
O. K. Paper Pail Co., Middletown, Ohio.
O. K. Soap Co., mill soaps, 968 Franklin, Philadelphia, Pa.
O. K. Stove & Range Co., Louisville, Ky.
O. K. Tool Holder Co., machsts. & fndrs., Derby, Conn.
Okadee Co., gauges, 14 E. Jackson blvd., Chicago, Ill.
Okeberg, Jno V., architect, Geneseo, Ill.
O'Keefe, Arthur W., contractor, Plymouth, Ind.
O'Keefe, Jno. J. contractor, 1 Hague, New York.
O'Keefe Lumber Co., Plymouth, Ind.
O'Keefe-Orbison Engng. & Construction Co., paper & pulp mill architects, Appleton, Wis.
Okeene Milling Co., feed, Okeene, Okla.
Okeh Elec. Co., 313 Clinton, Chicago, Ill.
Okeh Hosiery Mills, Lemoyne, Pa.
Okel & Cooper, architects, Vandiver Bldg., Montgomery, Ala.
O'Kelly Brick Co., Ashland, Ky.
O'Kelly, Gregory, safety carrying hooks, etc., 557 W. Jackson blvd., Chicago, Ill.
Okerlund, Richard J., architect, Omak, Wash.
Okerstrom, J. E., architect, Virginia, Minn.
Okey Mfg. Co., gas engines, Columbus, Ohio.
Okie, F. E., Co., printing inks, 127 S. 2d, Philadelphia, Pa.
Okie, Francis G., printing inks, 150 N. 4th, Phila., Pa.
Okie, R. Broguard, architect, Croyer Bldg., Phila., Pa.
Okla. Auto Mfg. Co., N. Muskegon, O.
Okla. Broom Corn Warehouses, Lincoln, Neb.
Okla. Carriage Works, Oklahoma, Okla.
Okla. City Foundry & Machine Co., Oklahoma, Okla.
Okla. City Hardware Co., Oklahoma, Okla.
Okla. City Mill & Elevator Co., flour, Oklahoma, Okla.
Okla. Iron Works, Tulsa, Okla.
Okla. Mill Co., flour, Kingfisher, Okla.
Okla. Portland Cement Co., Ada, Okla.
Okla. Sash & Door Co., Oklahoma, Okla.
Okla. Spring Bed Mfg. Co., Oklahoma, Okla.
Okla. Supply & Navigation Co., sand & gravel, Muskogee, Okla.
Okla. Tool & Supply Co., mill & factory supplies, Tulsa, Okla.
Okmulgee Producing & Refining Co., petroleum products, Tulsa, Okla.
Oko Mach. Shop, Inc., machsts., 65 Bridge, Newark, N. J.
Okonite Co., insulated wires and cables, Passaic, N. J.
*See adv index at end of book*
O'Laughlin, A. C., Co., stone producers, 133 W. Washington, Chicago, Ill.
O'Laughlin, John, Stone Co., Racine, Wis.
Olcott, Chas. A., Planing Mill Co., sash, door & blind mfrs., 3300 N. Broadway, St. Louis, Mo.
Olcott & Corning, metallurgical engng., 36 Wall, New York.
Old Ben Coal Corp., McCormick Bldg., Chicago, Ill.
Old Berkshire Mills Co., paper & pulp mills, Dalton, Mass.
Old Bridge Enameled Brick & Tile Co., Old Bridge, N. J.
Old Buck Guano Co., fertilizer mfrs., Richmond, Va.
Old Colony Construction Co., 103 Park av, New York.
Old Colony Foundry Co., East Bridgewater, Mass.
Old Colony Mfg. Co., cotton blankets, flannels, Taunton, Mass.
Old County Green Soap Co., Winona, Minn.
Old Dominion Glass Corp., bottles, Alexandria, Va.
Old Dominion Iron & Steel Corp., rolling mill, Belle Isle, Richmond, Va. *See adv index at end of book*
Old Dominion Iron Wks., Norfolk, Va.
Old Dominion Marine Railway, engines, boilers, etc., Berkley, Va.
Old English Slate Co., Glens Falls, N. Y.
**OLD ENGLISH SLATE QUARRIES,** producers of artistic roofing slate in all colors, and slate for landscape gardening, 10 Milk, Boston, Mass.
Old Homestead Cannery Co., Fork Union, Va.
Old King Cole Papier Mache Co., Canton, Ohio.
Old Mission Portland Cement Co., Mills Bldg., San Francisco, Cal.
Old Oregon Lumber Co., Seattle, Wash.
Old Reliable Motor Truck Co., 58 E. Wash., Chicago, Ill.
Old Roman Solder Co., 202 E. 46th, New York.
Old '76 Dist. Co., 9 Masonic Temple, Cincinnati, Ohio.
Old Town Canoe Co., Old Town, Me.
Old Town Ribbon & Carbon Co., 245 Centre, New York.
Old Town Sheet Metal Works, cornices & skylights, Tacoma, Wash.
Old Town Supply Co., masons' & bldrs.' matls., Oldtown, Me.
Oldberg Mfg. Co., auto. mufflers, 78 Forest E., Detroit, Mich.
Olden's, Goeffrey J., Son, shoe patterns, 6 Spruce, New York.
Older, G. B., architect, Lancaster, Ohio.
Oldershaw, L. A., architect, New Britain, Conn.
Oldershaw, F. H., architect, Hartford, Conn.
Oldfield, James W., machinist, Laurel, Del.
Oldham, Geo., & Son Co., pneumatic tools & appliances, 4326 Tackawanna, Frankford, Phila., Pa.
Oldham New York Saw Works, Inc., 112 26th, Brooklyn, N. Y.
Oldman Boiler Works, 38 Illinois, Buffalo, N. Y.
Oldroyd Mining Mach. Co., 621 W. Front, Cincinnati, Ohio

Olds, C. L., Construction Co., Fort Wayne, Ind.
Olds & Hixson, lumber, Vanderbilt, Mich.
Olds, M. D., lumber, Cheboygan, Mich.
Olds Motor Works, Lansing, Mich.
Olds Soap & Chemical Co., 540 W. McCarthy, Indianapolis, Ind.
Olds & Whipple, fertilizer mfrs., Hartford, Conn.
Oldsman Tractor Co., Oldsman, Fla.
Olean Bridge & Supply Co., contrs., Olean, N. Y.
Olean Hdwe. Co., whol., Olean, N. J.
Olean Pressed Brick Co., Olean, N. Y.
O'Leary, Arthur J., & Son Co., iron forgings, etc., 65th & 57th av, Chicago, Ill.
O'Leary, J. J., Co., contractors, Passaic, N. J.
O'Leary, John, contractor, 991 E. 167th, New York.
Oleslager, John B., cornices, Jackson, Mich.
Oleum Products Co., belt dressing, Scranton, Pa.
Olewine, Wm., & Son, mine hames, Hazelton, Pa.
Oliff-McCormick Brick Co. (Ltd.), Shreveport, La.
Olin Gas Engine Co., machsts., Buffalo, N. Y.
Oline Lumber Co., Warren, Ind.
Oliphant-Johnson Coal Co., Vincennes, Ind.
Olive-Baker Mfg. Co., advtg. novelties, 315 1st av, N. Minneapolis, Minn.
Olive, F. W., machsts., 1007 Marion, St. Louis, Mo.
Olive Milling Co., flour, Olive, Cal.
Olive & Myers Mfg. Co., mattresses, Dallas, Tex.
Olive Stove Works, Rochester, Pa.
Oliver, A. C., lumber, Frozard, La.
Oliver, A. F., Gear & Mach. Co., 60 Cherry, Buffalo, N. Y.
Oliver Bros., whol. hdwe., 71 Murray, New York.
Oliver Chilled Plow Works, South Bend, Ind.
Oliver & Co., granite producers, Barre, Vt.
Oliver Continuous Filter Co., metallurgical & chemical automatic filters, vacuum pumps, compressors, thickeners, 503 Market, San Francisco, Cal., and 33 W. 42nd, New York
Oliver, E. J., & A. W., contractors, Chester, Pa.
Oliver, Edwin L., engineer, 503 Market, San Francisco, Cal.
Oliver Elec. & Mfg. Co., battery connectors, armature, coils, machy., etc., 4221 Forest Pk., St. Louis, Mo.
Oliver, Geo. D., architect, 9 Dewey av, Watertown, N. Y.
Oliver, Horace T., contractors, 328 South av, Rochester, N. Y.
Oliver & Howland Co., mill & facty. supplies, Springfield, Mass.
Oliver Instrument Co., hdwe. mfrs., metal stamping, filing & lapping machy., Adrian, Mich.
Oliver Iron Mining Co., Duluth, Minn.
Oliver Iron & Steel Co., rolling mills, S. 10th & Muriel, Pittsburgh, Pa.
Oliver Lumber Co., Hastings, Neb.
Oliver Machinery Co., woodworking machines and machine tools Grand Rapids, Mich.
Oliver Mfg. Co., jacks, wrenches, etc., 326 S. Desplaines, Chicago, Ill.
Oliver & Meyers Mfg. Co., mattresses, Dallas, Tex.
Oliver Oil-Gas Burner & Mach. Co., gas stove burners, gas & oil heaters & furnaces, 1313 N. 7th, St. Louis, Mo.
Oliver Silica Sand Co., Massillon, Ohio.
Oliver, Thos., contractor, Chester, Pa.
Oliver, Thos. (Est. of), masons' & bldrs.' matls., Rochester, N. Y.
Oliver Traction Co., Knoxville, Tenn.
Oliver Typewriter Co., machsts. & fndrs., 159 N. Dearborn, Chicago, Ill.
Oliver, W. J., Mfg. Co., contractors, Knoxville, Tenn.
Oliver, W. W., Mfg. Co., machsts., 1483 Niagara, Buffalo, N. Y.
Oliver, Wm., masons mtls., Otsego, Mich.
Oliver, Wm. J., Mfg. Co., flat cars & plows, Knoxville, Tenn.
Oliver & Williams, steel rings, 39 Pitts, Boston, Mass.
Olivia Canning, Preserving & Mfg. Co., Olivia, Minn.
Olivoint Chemical Co., 4273 California, San Francisco, Cal.
Olley, Geo., masons' & bldrs.' matls., Racine, Wis.
Ollhoff, F. W., lbr., Merrill, Wis.
Ollinger, Harry W., machinist & founder, Mobile, Ala.
Olmo, Frank, cornices & skylights, 3460 Mission, San Francisco, Cal.
Olmstead, A. E., machinist & founder, Orwell, N. Y.
Olmstead Bros., architects, Brookline, Mass.
Olmstead Bros. Co., advtg. spec., 9 14th, Wheeling, W. Va.
Olmstead, Fernando C., contractor, Danbury, Conn.
Olmstead-Thomson Mfg. Co., plumbers' wood work, New Britain, Conn.
Olmstead & Tuttle Co., calking cotton, mattresses, etc., Chicopee, Mass.
Olmsted Co., harness, saddles & strap work mfrs., Syracuse, N. Y.
Olmsted-Flint Co., mill & factory supplies, Cambridge, Mass.
Olmsted, W. B., architect, 1413 H., N. W., Washington, D. C.
Olmsted's, L. H., Son, machsts., Hasbrouck Heights, N. J.
Olney, B., Canning Co., Oneida, N. Y.
Olney & Floyd, canned goods, Westernville, N. Y.
Olney, G. W., Woolen Co., Cherry Valley, Mass.
Olney Milling Co., flour, Olney, Ill.
Olney Paving Brick & Tile Mfg. Co., Olney, Ill.
Olney & Payne Bros., masons' & bldrs.' matls., Pawtucket, R. I.
Olney & Warrin, mill & facty. supplies, 301 Lafayette, New York
Olney Woolen Mills, Cherry Valley, Mass.
Olneyville Hay & Grain Co., masons' & bldrs.' matls., 25 Manton av, Providence, R. I.
O'Loughlin, James, contractor, Hartford, Conn.
Olphert, Geo. H., Jr., architect, Proctor Bldg., Mount Vernon, N. Y.
Olschner, C. E., architect, Merchants' Bldg., Shreveport, La.
Olsen, Andrew, machst. & fndr., 39 Union, Brooklyn, N. Y.
Olsen, C. H., contractor, Stillwater, Minn.
Olsen & Lesh, contractors, Exchange Bldg., Memphis, Tenn.
Olsen, O. C. S., Co., desk mfrs., 2511 Moffat, Chicago, Ill.
Olsen, O. Herman, contractor, 1558 Crotona Park E., New York.
Olsen, Paul F., architect, 127 N. Dearborn, Chicago, Ill.
Olsen & Tilgner Mfg. Co., machsts., 2280 Elston av, Chicago, Ill.
Olsen, Tinius, Testing Machine Co., machinery mfrs., 500 N. 12th, Philadelphia, Pa.
Olsen & Morse, elec. contrs., Norwich, Conn.
Olsen & Urbain, architects, 155 N. Clark, Chicago, Ill.
Olson, A. J., & Co., furnaces, 217 W. Lake, Chicago, Ill.
Olson, Benj. F., architect, 19 S. La Salle, Chicago, Ill.
Olson & Bergquist, contractors, Ironwood, Mich.
Olson-Boettger Elec. Mfg. Co., 413 N. Franklin, St. Paul, Minn.
Olson Broom Co., Sterling, Kans.
Olson Bros., contractors, 6200 Evans av, Chicago, Ill.
Olson, Charles T., architect, Brockton, Mass.
Olson Construction Co., Lincoln, Neb.
Olson & Dethe Carriage Co., Sioux Falls, S. D.
Olson, J. H., contractor, 4012 S. State, Chicago, Ill., & Willmar, Minn.
Olson, John, contractor, Danville, Ill.
Olson-Klopf Welding & Cutting Co., antogenous, Seattle, Wash.
Olson & Mahoney Lumber Co., 5th & Channell, San Francisco, Cal.
Olson Mfg. Co., feed & litter carriers, hay tools, Albert Lea, Minn.
Olson Mfg. Co., screw machine products, Worcester, Mass.
Olson, Nels M., flour mills, Mazeppa, Minn.
Olson & Nelson Cut Stone Co., 3401 S. La Salle, Chicago, Ill.
Olson-Nicholson Co., Inc., contrs., Seattle, Wash.
Olson, O. C., agricultural implements, Waupun, Wis.
Olson, Oliver, machst, Clarinda, La.
Olson, Peter T., contractor, Galesburg, Ill.
Olson-Schmidt Constr. Co., St. Joseph, Mo.
Oltman, Schmidt & Co., machsts., Peoria, Ill.
Oltmer Iron Works, mchsts. & fndrs., Hoboken, N. J.
Olvany, Wm. J., steam & hot water heating contr., 177 Christopher, New York.
Olympia Door Co., lumber, Olympia, Wash.
Olympia Games Co., toys, games & Nov., 126 S. Clinton, Chicago, Ill.
Olympia Hardware Co., cornices & skylights, Olympia, Wash.
Olympia Knitting Mills, sweaters, cardigans, etc., 540 B'way, New York.
Olympian Knit Goods Co., sweaters, cardigans, etc., New Hartford, N. Y.
Olympian Motors Co., Pontiac, Mich.
Olympic Foundry Co., Seattle, Wash.
Olympic Portland Cement Co., Ltd., Seattle, Wash.
Olympic Steel Wks., Seattle, Wash.
Olyphant Foundry Co., Olyphant, Pa.
Olyphant Silk Co., silk fringes, Olyphant, Pa.
Omaha Alfalfa Milling Co., meal, Omaha, Neb.
Omaha Baum Iron Store, Inc., mill & factory supplies, Omaha, Neb.
Omaha Box Co., Omaha, Neb.
Omaha Canning Co., Omaha, Ill.
Omaha Clay Works, Omaha, Neb.
Omaha Cooperage Co., Omaha, Neb.
Omaha Cotton Oil Co., meal, Omaha, Tex.
Omaha Electrical Works, Omaha, Neb.
Omaha Fiber & Corrugated Box Co., Omaha, Neb.
Omaha Fixture & Supply Co., Omaha, Neb.
Omaha Folding Machine Co., Omaha, Neb.
Omaha Foundry Co., Omaha, Neb.
Omaha General Iron Works, Omaha, Neb.
Omaha Hardwood Lumber Co., Omaha, Neb.
Omaha Leather Co., Omaha, Neb.
Omaha Machine Works. See Sharp, L. C., Mfg. Co. (successors)
Omaha Metal & Rubber Co., Omaha, Neb.
Omaha Packing Co., meat, 2320 S. Halsted, Chicago, Ill.
Omaha Sanitary Supply Co., steam fitters' & plumbers' supplies, jobbers, Omaha, Neb.
Omaha Steel Wks., contrs., machsts., stacks, etc., Omaha, Neb. (tr.)
Omaha Stove Repair Works, Omaha, Neb.
Omaha Trunk Factory, Omaha, Neb.
Omaha Wood Working Co., Omaha, Neb.
O'Mahoney, M., Co., masons' & bldrs'. matls., Lawrence, Mass.
O'Mahony, Jerry, Inc., lunch wagon bldrs., Bayonne, N. J.
O'Malley-Beare Valve Co., Ry. Exchange Bldg., Chicago, Ill.
O'Malley, Peter J., contractor, Waltham, Mass.
Oman Bowling Green White Stone Co., Bowling Green, Ky.
O'Mara Bros. Brick Co., Terre Haute, Ind.
O'Mara Heating Co., Victoria Bldg., St. Louis, Mo.
O'Meara Bros., paint, Hillsdale, Mich.
O'Meara Constr. Co., 253 S. Quince, Philadelphia, Pa.
O'Meara, Maurice, Co., rubber roofing, 448 Pearl, New York.

ars, M. J., contr., Beardstown, Ill.
lia, J. H., Lumber Co., Rhinelander, Wis.
Mfg. Co., rubber goods, Middletown, Conn.
undro, T. E., canned goods, Farmers Fork, Va.
ite Co., light controlling devices, Jamestown, N. Y.
ead, O. J., turpentine, Millcreek, Fla.
aska Lbr. Co. See Carlisle Pennell Lbr. Co. (successors)
aska Pickle & Canning Co., Onalaska, Wis.
rdonk, C. B., architect, Pocatello, Idaho.
Hand Auto Top Co., 74 E. Jewett av, Buffalo, N. Y.
Minute Mfg. Co., machsts. & fndrs., Newton, Ia.
Piece Chaplet Works, 3327 Ludlow, Phila., Pa.
al, C. L., lime mfrs., Eureka, Ala.
al-Gowen Lumber Co., Everett, Wash.
al, Wm., Co., culverts—road, Crawfordsville, Ind.
da Chain Co., Oneida, N. Y.
da Community, Ltd., canned goods, silverware & traps, Oneida, N. Y.
a County Canning Co., Ltd., Verona, N. Y.
a Knitting Mills, underwear, Utica, N. Y.
a Lime Co. (Ltd.), Buffalo, N. Y.
da Motor Truck Co., Green Bay, Wis.
a National Chuck Co., Oneida, N. Y.
a Wood Pulley Co., Oneida, N. Y.
l Bros., contrs., Hartford, Conn.
l Bros., cotton waste, Oxford & Howard, Philadelphia, Pa.
l, Daniel, contr., 273 Minna, San Francisco, Cal.
l, Geo. F., contractor, Binghamton, N. Y.
l, H. C., brick, Montowese, Conn.
Iron Works, Inc., sugar cane mills machy., etc., 268 Perry, Buffalo, N. Y.
l, J. H., Jr., wooden clamps, mallets & wood turnings, 525 Main, Pawtucket, R. I.
l, Jas., carriages, Binghamton, N. Y.
l, Jas., contractor, Binghamton, N. Y.
l, Jerry, stone, F. & Wyoming, Philadelphia, Pa.
l, John P., contractor, Faribault, Minn.
l Lbr. Co., E. St. Louis, Ill.
l, M. J., mill & facty. supplies, Henderson, N. C.
l, M., Supply Co., mill & factory supplies, 25 Cliff, New York.
l Oil & Paint Co., 297 E. Water, Milwaukee, Wis.
l & Preston, contrs., 60 E. 6th, St. Paul, Minn.
l, T. L., portable grain elevator, disc harrows, street flushing machines, Marseilles, Ill.
l Tire & Rubber Co., Akron, Ohio.
l, W. H., & Co., lumber, Dallas, Tex.
l, W. J., & Co., wholesale hardware, Fresno, Cal.
l, Wm. F., contractor, Hartford, Conn.
l, Wm., & Son Co., contractors, Faribault, Minn.
l, Edward C., contractor, Montclair, N. J.
l Elevator Co., 628 Cherry, Philadelphia, Pa.
l, J. J., Co., contractors, Holyoke, Mass.
l Lumber Co., Jersey av, Jersey City, N. J.
Machine Co., Toledo, Ohio.
, M., Supply Co., pipe jobbers, 25 Cliff, New York.
l, Maurice R., contractor, 143 Dyer, Providence, R. I.
l, Michael, archl. iron, 1531 Filbert, Philadelphia, Pa.
l & O'Neill, belt buckles, 82 Union, Newark, N. J.
l Stone Co., Conshohocken, Pa.
l, Wm. A., masons' & bldrs.' matls., Lima, N. Y.
Hardware Co., Dowagiac, Mich.
, Oscar, & Co., window display fixtures, 4th & Cutter, Cincinnati, Ohio.
'rezo Fire Extinguisher Mfg. Co., 214-16 S. 17th, extinguishers, fire, St. Louis, Mo.
aga Bed Mfg. Co., mattresses, Syracuse, N. Y.
aga Belting & Supply Co., mill & factory supplies, Syracuse, N. Y.
aga Brass Co., machinists, Syracuse, N. Y.
aga Coarse Salt Association, Syracuse, N. Y.
aga Indian Wigwam Co., Syracuse, N. Y.
aga Litholite Co., artificial bldg. stone, Syracuse, N. Y.
aga Paper Co., Marcellus Falls, N. Y.
aga Pottery Co., Syracuse, N. Y.
aga Steel Co., high-speed steel converters, Syracuse, N. Y.
aga Vitrified Brick Co., Syracuse, N. Y.
e, A., lumber, Echo, Wash.
unee Slate Mfg. Co., Lynnport, Pa.
o Coal Co., masons' & bldrs.' matls., Geneva, N. Y.
o Drill Co., East Rochester, N. Y.
o Elect. Steel Co., Inc., Fulton, N. Y.
o Knife Co., Franklinville, N. Y.
o Mach. Screw Co., Ontario & Rorer, Phila., Pa.
o Mfg. Co., machinists, Ontario, Cal.
o Talc Co., Gouverneur, N. Y.
o Thread Co., 17 Waverly pl., New York.
d Mfg. Co., commutator compounds, Menasha, Wis.
Oil & Chemical Co., Jersey City, N. J.
rg Canning Co., Oostburg, Wis.
hemical Co., bronzing liquids, Kenilworth, N. J.
ign Co., 254 10th av., New York.
cent Bent Glass Co., shades, 106 7th av, New York.
e Tile Co., Monaca, Pa.
Co., shades & reflectors, 200 5th av, New York.
veger-George Lumber Co., Perdido & Lopez, New Orleans
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Opdenweyer, Alcus, Cypress Co., Sorrento, La.
Opelika Oil Mill Corp., fertilizer mfrs., Opelika, Ala.
Open Coal Heater & Purifier Co., 502 S. Penn., Indianapolis, Ind.
Operative Miller, trade publications, 721 S. Wood, Chicago, Ill.
Operators' Piaon Co., 16 S. Peoria, Chicago, Ill.
Opie, J. W., Brush Co., Kansas City, Mo.
Opit, John, & Co., stone producers, Oak Park, Ill.
Oplinger, G. T., architect, Slatington, Pa.
Oppel, Rudolph, cornices & skylights, 230 E. 22d, New York.
Oppenheim-Ramsey Co., Inc. See Blums' Adv. Agency (successors)
Oppenheimer & Co., second hand bags, Buffalo, N. Y.
Oppenheimer, J., & Co., scrap brass, copper, iron & steel, 81 Fulton, New York.
Oppenheimer, S., & Co., sausage making machines, 2700 S. Wabash av., Chicago, Ill.
Opperman, C. B., architect, Webster Groves, Mo.
Optenberg Iron Works, Sheboygan, Wis.
Optical Journal & Review, trade publication, 11 John, New York.
Optical Lens Co., lenses, Southbridge, Mass.
Optical Specialty Mfg. Co., optical goods, Southbridge, Mass.
Optigraph Co., moving picture machines, 2302 W. Madison, Chicago, Ill.
O'Quinn, W. J., & Sons, turpentine, Odum, Ga.
Oram, Jas. C., & Co., stencils, 100 W. South Water, Chicago, Ill.
Oram, Jno. S., Co., machinery, pumps, steamers, knives, etc., 1316 E. 53rd, Cleveland, Ohio.
Orange Carriage Co., Orange, N. J.
Orange Cotton Mills, rope, twine, Orangeburg, S. C.
Orange Hardware Co., Orange, Mass.
Orange Mch. & Mfg. Co., Orange, N. J.
Orange Mfg. Co., metal buttons, 190 Emmette, Newark, N. J.
Orange Rice Mill Co., Orange, Tex.
Orangeburg Fertz. Co., Orangeburg, S. C.
Orbis Products Trading Co., Inc., arabic gum & essential oils, 212 Pearl, New York.
Orbon Stove & Range Co., Belleville, Ill.
Orcas Lime Co., Deer Harbor, Wash.
Orchard, Wm. H., architect, 17 W. 45th, New York
Orcutt, B. L., & Sons, butter tubs, Dickinson Center, N. Y.
Orcutt Pipe Hanger Co., Toledo, Ohio.
Ord Milling Co., flour, Ord, Neb.
Ordinator Co., window shades, 101 Park av, New York.
Ordnance Engineering Corp., airplane parts supplies, 120 B'way, New York.
Ordway, Chas., evaporators, distilling app., 25 Church, New York.
Ore. Boiler Works, tubular, Seattle, Wash.
Ore. Box & Mfg. Co., Bay City, Ore.
**OREGON BRASS WORKS**, 73 N. 2nd, Portland, Ore.
Ore. Canning Co., Oregon, Mo.
Ore. City Foundry, Ore. City, Ore.
Ore. City Mfg. Co., blankets, robes, Ore. City, Ore.
Ore. Fisheries Co., canners, Bay City, Ore.
Ore. Iron & Steel Co., Concord Bldg., Portland, Ore.
Ore. Lumber Co., Denver, Colo., & Ogden, Utah.
Ore. Packing Co., canned goods, Portland, Ore.
Ore. Portland Cement Co., Oswego, Ore.
Ore. Sheet Metal Works, Portland, Ore.
Ore. Ship Timber Mills, Linnton, Ore.
Ore. State Agricultural Coll., Corvallis, Ore.
Ore.-Washington Lumber & Mfg. Co., Seattle, Wash.
Ore. Woodenware Mfg. Co., Portland, Ore.
Oregonia Bridge Co., Lebanon, O.
O'Reilly Contrg. Co., 90 Neptune av, Jersey City, N. J.
O'Reilly Lumber Co., 1937½ N. B'way, St. Louis, Mo.
O'Reilly, M. J., natural gas burners, 364 Md., Buffalo, N. Y.
Orestes Drain Tile Co., Orestes, Ind.
Orford Soap Co., Manchester, Conn.
Organ Blowing Engineering Co., motors, Fond du Lac, Wis.
Organ & Stohr, contractors, Everett, Wash.
Organic Products Corp., betha naphtol, Schenectady, N. Y.
Organic Salt & Acid Co., Inc., salicylate sodium, Vernon & Nott av, L. I. City, N. Y.
Orgill Bros. & Co., whosale hardware, Memphis, Tenn.
Orgler Envelope Co., 66 Duane, New York.
Oriel Cabinet Co., Grand Rapids, Mich.
Oriel Glass Co., 722 Chestnut, St. Louis, Mo.
Orient Coke Co., Uniontown, Pa.
Orient Milling Co., flour, Chillicothe, Tex.
Oriental Emery Co., New Haven, Conn.
Oriental Glass Co., 800 Sarah, Pittsburgh, Pa.
Oriental Lumber Co., Oriental, N. C.
Oriental Rouge Co., buffing compositions & metal polish, Bridgeport, Conn.
Oriental Textile mills, burlap, Houston, Tex.
Oriental Varnish Wks., 979 Franklin av, Brooklyn, N. Y.
Original Gas Engine Co., Lansing, Mich.
Original Mfg. Co., toys, games, etc., Greenville, Mich.
Originator Mfg. Co., coffee & peanut roasters, 302 B'way, New York.
O'Riorden, P., contractor, 1 Waverly Blk., Boston, Mass.
Orinoco Supply Co., bldrs.' supplies, Winston-Salem, N. C.
Oriskany Malleable Iron Co. (Ltd.), fndrs., Oriskany, N. Y.
Orleans Bobbin Works, Newport, Vt.
Orleans County Canning Co., Barre Center, N. Y.

Orleans County Quarry Co., stone producers, Albion, N. Y.
Orleans Demolishing & Supply Co., bldrs.' mtls, 411 W. Rampport, New Orleans, La.
Orleans Felt Mattress Works, 512 Conti, New Orleans, La.
Orleans Mfg. Co., coffins, Girod & St. Peters, New Orleans, La.
Orleans Metal Bed Co. (Ltd.), 518 City Park, New Orleans, La.
Orleans Sand Stone Co., Syracuse and Holley, N. Y.
Orleans Steel Products Co., Inc., roofing & sheet metal products, 1021 Bienville, New Orleans, La.
Orman Lumber Co., Lancaster, O.
Orman-Partee Saddlery Co., Nashville, Tenn.
Orme-McMahon-Thompson Co., masons' & bldrs.' matls., Cambridge, Ohio.
Orme's, Hy., Sons, mchsts & fndrs., St. Paul, Minn.
Ormsby, E. A., & Sons, ventilating apparatus, Melrose Sta., Boston, Mass.
Ornamental Art Metal Works, 50 Church, New York.
Ornamental Fdry. Co., Anniston, Ala.
Ornamental Iron & Wire Works, 90 W. Woodbridge, Detroit, Mich.
Ornamental Iron Works Co., Akron, Ohio.
Ornamental Lighting Pole Co., 114 Liberty, New York.
Ornamental Products Co., classic wood carvers, 14th & Lafayette, Detroit, Mich.
Ornamental Wire & Iron Co., Elliott & University, St. Louis, Mo.
Ornamental Woodworking Co., mantels, Springfield, Mass.
Ornate Mfg. Co., portables, 110 W. 34th, New York.
Orndorff & Cheney, flour mills, Adairville, Ky.
Orndroff, M. M., lime mfrs., Oranda, Va .
Orndorff, O. F., agricultural implements, Council Bluffs, Ia.
Orne & Lawrence, contractors, 39 Court, Boston, Mass.
Orner, J. W., contractor, Altoona, Pa.
Oro Grande Lime & Stone Co. Works, Halleck, Cal.
Orofino Portland Cement Co., Spokane, Wash.
Orona Mfg. Co. See Orona Sales Co. (successors)
Orona Sales Co., metal polish & soap, 29 India, Boston, Mass.
Orono Pulp & Paper Co., Bangor, Me.
Oronogo Machy. Co., Oronogo, Mo.
O'Rourke & Briscre, J., Sons, Architects' Bldg., Newark, N. J.
O'Rourke Bros., stone, Salem, Mass.
O'Rourke Engineering Constr. Co., 17 Battery pl., New York, & Weehawken, N. J.
O'Rourke, J. O., & Sons., architects, 31 Clinton, Newark, N. J.
O'Rourke, J. P., heating contractors, Prosser, Wash.
O'Rourke, John, contractor, White Plains, N. Y.
O'Rourke, John H., Co., contractors, 264 39th, Brooklyn, N. Y.
Oroville Dredging, Ltd., 25 Broad, New York.
Orpin Bros., desk mfrs., Charlestown, Boston, Mass.
Orr & Booth, architects, Meriden, Conn.
Orr Bros. Supply Co., mill & facty. supplies, Cedar Rapids, Ia.
Orr, C. F., & Co., uniforms, 209 S. State, Chicago, Ill.
Orr Chem. Co., Inc., valeric acid, etc., Val, Newark, N. J.
Orr Cotton Mills, sheetings, Anderson, S. C.
Orr Felt & Blanket Co., Piqua, Ohio.
Orr, Fred J., architect, Athens, Ga.
Orr, Galen & Co., hardware manufacturers, Needham, Mass.
Orr Iron Co., who. hdwe., mill & facty. supplies, etc., Evansville, Ind.
Orr, J. B., contr., Miami, Fla.
Orr, J. C., & Co., sash, door, lbr., etc., mfrs., West & Java, Brooklyn, N. Y.
Orr, J. C., & Son, contrs., Altoona, Pa.
Orr, Jas. W., contractor, 6618 Torresdale av., Philadelphia, Pa.
Orr & Jennings, machsts., Portland, Me.
Orr, Jno. F., architect, Cambridge, O.
Orr, Robt. H., architect, Van Nuys Bldg., Los Angeles, Cal.
Orr & Sembower, engines & boiler mfrs., Reading, Pa.
Orr, Wm. L., packing box mfr., 1609 S. 19th, Philadelphia, Pa.
Orrock Carriage Co., Denver, Colo.
Orrtanna Canning Co., Orrtanna, Pa.
Orrville Bedding Co., Orrville, O.
Orrville Milling Co., Orrville, O.
Orschel, H. M., Co., mill & factory supplies, Omaha, Neb.
Orswell Igniter Co., 95 Milk, Boston, Mass.
Ort, A. John, architect, 70 W. Chippewa, Buffalo, N. Y.
Ort & Lang, wagon spokes, Vanceburg, Ky.
Ortega, E. C., canned goods, 602 Santa Fe av, Los Angeles, Cal.
Orth, Adam J., Co., cornices, 170 Hastings, Detroit, Mich.
Orth, Frank, contractor, Indiana Harbor, Ind.
Orth, Geo. S., & Bros., architects, Union Arcade, Pittsburgh, Pa.
Ortil, Chas. F., cornices & skylights, 2510 Barber av, S. W., Cleveland, Ohio.
Ortman, F. A., common brick, Cullum, Ill.
Ortman, F. C., stone producers, 1099 Wabash, Detroit, Mich.
Ortman Motor Co., autos, tractors, airplanes & auto accessories, Washington Court House, Ohio
Ortmann, A., & Son, advtg. nov. & spec., 2340 3d av, New York.
Ortner, Geo. J., mach. & fndr., Pueblo, Colo.
Ortner, Jno. E., & Co., silver nov., 481 Washington, Newark, N. J.
Ortner, Jos. J., dumb waiters, 481 Washington, Newark, N. J.
Orton Machine Co., 315 Fremont, San Francisco, Cal.
Orton & Steinbrenner Co., mchsts., 610 S. Dearborn, Chicago, Ill.
Orum, Morris L., machinist, 503 N. 11th, Philadelphia, Pa.
Orvis, Chas. F., Co., fishing bait, reels & rods, Manchester, Vt.
Orwich, Sherman, lumber, Wattsville, Ohio.



Orwiler & Armstrong, sashes, doors & blinds, Nevada, Ohio.
Osada Sheet Metal & Wood Works, closet seats, 1422 S. Front, Philadelphia, Pa.
Osage Coal & Mining Co., McAlester, Okla.
Osage Fdry. & Mach. Co., Bartlesville, Okla.
Osage Mfg. Co., cotton sheetings, Bessemer City, N. C.
Osakis Milling Co., flour, Osakis ,Minn.
Osann, Fred, Co., special sewing mchy., etc., 245 7th av, New York.
O. & S. Bearing Co., ball bearings, 526 Clay av, Detroit, Mich.
Osborn, C. D., Co., leather gloves, 2201 Wabansia av, Chicago, Ill.
Osborn, C. J., Co., color mfrs. & imprtrs., 132 Nassau, New York
Osborn-Crew Mfg Co., cleaners, dressers, 1628 E. 39th, Cleveland, Ohio.
Osborn, D. M., Machy. Dlrs. Co., Cleveland, Ohio.
Osborn, Edw. F., architect, Pantages Bldg., Seattle, Wash.
Osborn Engineering Co., 2848 Prospect av, Cleveland, Ohio.
Osborn, F. C., mchst. & fndr., 64 Lawrence av, Detroit, Mich.
Osborn, H. A., canned goods, Havre de Grace, Md.
Osborn, Harris, architect, Hearst Bldg., San Francisco, Cal.
Osborn. J. H., Lumber Co., Humboldt, Kans.
Osborn, J. K., Mfg. Co., brass fndrs., Harrison, N. J.
Osborn, J. M. & L. A., Co., tin plate, metals, etc., Cleveland, O.
Osborn Lumber Co., Osborn, Ohio.
Osborn Machine Co., Dubois, Pa.
**OSBORN MFG. CO.**, fndry supplies, brushes, etc., 5401 E Hamilton av, Cleveland, Ohio. *See adv index at end of book*
Osborn Mfg. Co., animal cages, 675 Hudson, New York.
Osborn Paper Co., pads & tablets, Marion, Ind.
Osborn & Son, masons' & bldrs.' matls., Monticello, N. Y.
Osborn, W. B., Machy. Co., Clarksburg, W. Va.
Osborn, W. H., Co., canned goods, Honeoye Falls, N. Y.
Osborn, W. W., & Son, contrs., Mariners Harbor, N. Y.
Osborn & Whitney, canned goods, Rush, N. Y.
Osborne, A. C., masons' & bldrs.' matls., Danbury, Conn.
Osborne, C. C., Lumber Co., Parksville, S. C.
Osborne, C. S., & Co., harness makers' tools, presses, etc., Box 183 Newark, N. Y. *See adv index at end of book*
Osborne, C. S., & Co., harness makers' tools, presses, etc., Harrison, N. J. *See adv. index at end of book.*
Osborne & Clark, flooring, 300 Lbr. Ex., Minneapolis, Minn.
Osborne Co., advtg. nov. & spec., 759 Summer av, Newark, N. J.
Osborne, E. J., architect, Balboa Bldg., San Francisco, Cal.
Osborne, Edwin, contractor, Franklin, Pa.
Osborne & Flinkers, sash, door & blind, 10217 Berea rd, N. W., Cleveland, Ohio.
Osborne, Geo. H., brass castings, New Britain, Conn.
Osborne, H. A., & Son, contrs., Danville, Va.
Osborne & Marsellis Co., contractors, Montclair, N. J.
Osborne & Sexton Machinery Co., 4th & Russell, Columbus, Ohio
Osborne & Stephenson Mfg. Co., screw mach. products, Plainville, Conn.
Osborne, W., & Co., tacks, Lakeville, Mass.
Osborne, Wm., sweaters, etc., 1118 W. Montgomery av, Philadelphia, Pa.
Osborne, William L., common brick, Leominster, Mass.
Osborn's, J. F., Sons, machsts. & fndrs., & mill & factory supplies, Clarksburg, W. Va.
Oscawane Bldg. Co., 101 Park av, New York.
Osceola Cotton Oil Co., Osceola, Ark.
Osceola Fertilizer Co., Jacksonville, Fla.
Osceola Silica & Fire Brick Co., Osceola Mills, Pa.
Oschwald Brick Wks., Cliffwood, N. J.
Oschwald Bros., contractors, 845 Broad, Newark, N. J.
Osgood & Blodgett Mfg. Co., interior finish mfrs., Duluth av & E. 7th, St. Paul, Minn.
Osgood Co., steam shovels, dredging machy., etc., Marion, Ohio
Osgood Construction Co., Nashua, N. H.
Osgood, David J., Co., contractors, 220 W. Elizabeth, Detroit, Mich.
Osgood, E. B., masons' & bldrs.' matls., Claremont, N. H.
Osgood, H. H., & Co., weather strips, 4 Washington, N., Boston, Mass.
Osgood, J. L., mill supplies, 45 Pearl, Buffalo, N. Y.
Osgood, J. L., Tool Co., Buffalo, N. Y.
Osgood Lime Stone Co., Osgood, Ind.
Osgood, Sidney J., architect, New Herald Bldg., Grand Rapids, Mich.
O'Shea, W. L. & G. H., contractors, 29 B'way, New York.
O'Shea, Wm., & Son, contrs., 526 Ridgewood av, Minneapolis, Minn.
Oshkosh Bedding & Couch Co., Oshkosh, Wis.
Oshkosh Bottle Wrapper Co., packing matl., bottle wrappers, furniture pads, etc., Oshkosh, Wis.
Oshkosh Excelsior Mfg. Co., excelsior, wood wool, Oshkosh, Wis.
Oshkosh Mfg. Co., concrete mixers, hookaroons & wire reels, Oshkosh, Wis.
Oshkosh Trunk Co., Oshkosh, Wis.
Osiason, J., mattresses, Fall River, Mass.
Oskamp, Nolting Co., silver novelties, 30 W. 7th, Cincinnati, Ohio.
Osmundson Spade Mfg. Co., Perry, Ia.
O-So Ezy Prodts. Co., mops & polishers, 1423 Carroll av, Chicago, Ill.
Oso Shingle Co., Oso, Wash.
Ostdiek, H. B., common brick, Ottumwa, Ia.

nberg, Chas., sash, door & blind mfrs., Okanogan, Wash.
ndorf, W. G., wood mantels, 2923 N. Broad, Phila., Pa.
r Bros., carriages, 1418 Frenchmen, New Orleans, La.
' Mfg. Co., pipe cutting & threading tools, 2057 E. 61st pl, veland, Ohio.
:gren, Robert C., architect, 155 N. Clark, Chicago, Ill.
tgren, Sam'l, cornices & skylights, 725 3d av, Bklyn, N. Y.
'hage, Louis H., & Sutton, Byrant, architects, Vincennes, Ind.
'houdt, P. C., & Co., contractors, Kingston, N. Y.
'lind Printing Press & Mfg. Co., bag printing machinery, St. Paul, Minn.
'ling, F. J., architect, 228 Isabella, Pittsburgh, Pa.
'man, Henry, architect, Walla Walla, Wash.
'man, H. G., Co., wall pockets, 29 B'way, New York.
:moor & Co., mattresses & bedstead mfrs., 116 Elizabeth, New York.
'stock, J. S., & Co., hdwe., Easton, Pa.
eimer, Wm. H., steam & hot water htg. contr., 385 7th av, Brooklyn, N. Y.
olthoff & Braukmann, carriages, 42 W. McMicken av, Cincinnati, Ohio.
nd, Benjamin, architect, Marshfield, Ore.
ng, Andrew, contractor, Sioux City, La.
nder Fire Brick Co., Troy, N. Y.
nder R'y & Timber Co., lumber, Ostrander, Wash.
nder-Seymour Co., machinists, 7 S. Dearborn, Chicago, Ill.
nder, W. R., & Co., battery holders, 371 B'way, New York.
livan, Jas., & Son Co., contractors, Port Huron, Mich.
livan, M. F., contractor, 145 Oak, Toledo, Ohio.
livan Rubber Co., 131 Hudson, New York.
ld Bros., contrs., 356 S. B'way, Los Angeles, Cal.
ld Bros., masons' & bldrs.' matls., Weston, Ohio.
ld, J. G., contr., Mokena, Ill.
yo Chemical Co., acetate of lime, wood alcohol, etc., Bradford, Pa.
go Falls Pulp & Paper Co., Fulton, N. Y.
go Milling Co., mixed feed, Oswego, Kan.
go Preserving Co., canned goods, Oswego, N. Y.
go River Paper Mills, Phoenix, N. Y.
go Shade Cloth Co., Oswego, N. Y.
go Tool Co., Oswego, N. Y.
. J. C., Art Glass Co., 312 N. 17th, St. Louis, Mo.
Bed Mfg. Co., 170 Florida, Buffalo, N. Y.
Boiler Co., Inc., automobile car heating & vaporizing boilers, 335 W. 1st, Oswego, N. Y. *See adv. index at end of book.*
Cement Construction Co., Hammond Bldg., Detroit, Mich.
& Clark, architects, 6 N. Michigan av, Chicago, Ill.
Elevator Co., 26th & 11th av., New York
H. F., contractor, 488 Clermont av, Brooklyn, N. Y.
J. W., contractor, Antigo, Wis.
Mach. Wks., Rochester, N. Y.
Mfg. Co., lumber, Octavie & River, New Orleans, La.
Steel Co., Leader-News Bldg., Cleveland, Ohio
Canning Co., Otisco, Ind.
Paint Mfg. Co., 1742 N. Winchester av, Chicago, Ill.
Food Products Co., canned goods, Nebraska City, Neb.
le Bros., cornices & skylights, Clinton, Mass.
Furniture Co., filing cabinets & devices, Otsego, Mich.
c Mfg. Co., poultry coops, Whitney Point, N. Y.
Benj., & Sons Co., machsts. & fndrs., La Crosse, Wis.
ros., crushed stone, Lancaster, N. Y.
Geo. F., Co., founders, 209 Buttonwood, Philadelphia, Pa.
Grinder Co., cylinder inter. & universal grinder, Indianapolis, Ind.
ldwe. Co., Santa Barbara, Cal.
eiskell Hardware Co., wholesale, Wheeling, W. Va.
. W., Mfg. Co., revolving chairs, Indianapolis, Ind.
Matthew, & Co., contractors, 414 Warrington, Pittsb'g, Pa.
a Mfg. Co., oil engines, Ottawa, Kan.
a Silica Co., silica sand, Ottawa, Ill.
a Tile Co., brick, Ottawa, Ohio.
av Alfalfa Milling Co., Wichita, Kan.
iller, Wm. H., Co., screws, M. & P. R. R. & Pattison, York, a.
Bros. Co., card cutting machines, 24 Richmond, Detroit, Mich.
Creek Boom & Lbr. Co., Hambleton, W. Va., & Witherpoon Bldg., Philadelphia, Pa.
Lake Brick & Tile Co., Otter Lake, Mich.
Mfg. Co., Inc., screws, machine products, 243 W. 17th, ew York.
River Board Co., Otter River, Mass.
River Brick Co., Otter River, Mass.
on, Auto Educator Co., Springfield, Ohio
n Millard, lumber mfr., Central Bridge, N. Y.
Albert T., & Sons, automobile bldrs., 101 Park av, New ork
Carl L., architect, 15 Park row, New York
Chemical Co., Williamsport, Pa.
Coking Co., Inc., coke plant construction, 6 Church, New ork.
E. O. E., contr., Oconomowoc, Wis.
Engine Mfg. Co., 33rd & Walnut, Philadelphia, Pa.
Geo. F., contractor, Savannah, Ga.
Otto, Henry G., architect, 156 5th av., New York
Otto, J. C., contr., East St. Louis, Ill.
Otto & Scherf, machinists, Springfield, Ill.
Otto, Wm. H., Metal Goods Corp., kerosene burners & stoves & screw mach. prod., furnaces & torches, St. Pauls av, Jersey City, N. J.
Ottumwa Box Car Loader Co., Ottumwa, Ia.
Ottumwa Bridge Co., Ottumwa, Ia.
Ottumwa Iron Works, Ottumwa, Ia.
Ottumwa Lime & Cement Co., Ottumwa, Ia.
Ottumwa Mill & Construction Co., Ottumwa, Ia.
Ottumwa Supply & Construction Co., Ottumwa, Ia.
Otwell, W. C., & Co., brooms, Linn, Kans.
Ouderkirk, Thomas A., architect, Alpena, Mich.
Ouerbagh, Cameron, hangers, 231 N. Wells, Chicago, Ill.
Ouray Hdwe. & Supply Co., mill & factory supps., Ouray, Colo.
Outagamie Paper Co., Kaukauna, Wis.
Outcalt, D. D. A., architect, Tacoma Bldg., Tacoma, Wash.
Outcalt, Ramsey, architect, 151 E. Broad, Columbus, Ohio
Outlet Cutter Sales Corp., pipe threading machines, stocks & dies, 162 W. 34th, New York.
Outlook Co., windshield cleaners, 5510 Euclid av, Cleveland, Ohio.
Oval & Koster, canners' labels, Indianapolis, Ind.
Oval Oak Mfg. Co., plow handles, Siler City, N. C.
Oval Wood Dish Corp., Tupper Lake, N. Y.
Oven Equipment & Mfg. Co., 205 Orange, New Haven, Conn.
*See adv index at end of book*
Ovenden, W. C., machinist West Boylston, Mass.
Over, Ewald, founder, Indianapolis, Ind.
Overbagh & Ayres Mfg. Co., reflectors, shades, etc., 411 S. Clinton, Chicago, Ill.
Overbaugh-Camp Co., masons' & bldrs.' matls., Morris Dock, New York.
Overbeck, H. A., architect, Juanita Bldg., Dallas, Tex.
Overbeck, J. Ed., architect, Wilson Bldg., Dallas, Tex.
Overdorf, Wm. H., architect, Dubois, Pa.
Overdorff, Edmund, contractor, Johnstown, Pa.
Overhead Kitchen Clothes Dryer Co., 471 W. 145th, New York.
Overholt Co., mitre boxes, saw guides, Galesburg, Ill.
Overholt Mach. Co., machinist, Seville, Ohio.
Overland Cement Plaster Co., Laramie, Wyo.
Overland Mfg. Co., manicure files, 71 W. 23d, New York.
Overly, W. F., cornices, Greensburg, Pa.
Overman Cushion Tire Co., 250 W. 54th, New York.
Overpack, S. C., logging wheels & carts, Manistee, Mich.
Overson, Julius, & Co., contrs., Sioux City, Ia.
Overstreet, N. W., architect, Jackson, Miss.
Overstrom Mfg. Co., mining machy. & ore concentrators, Montgomery, San Francisco, Cal.
Overton, D. D., lbr., Greenville, N. C.
Overton Lumber Co., McMillin, Wash.
Overturf, C. W., concrete machy., Dumont, Ia.
Oviatt, A. N., architect, Citizens Bldg., Cleveland, Ohio.
Owatonna Canning Co., Owatonna, Minn.
Owatonna Fanning Mill Co., Owatonna, Minn.
Owatonna Mfg. Co., agricultural implements, Owatonna, Minn.
Owego Bridge Corp., steel struct. wk.., Syracuse, N. Y.
Owen-Arnold Co., caskets, etc., Allegan, Mich.
Owen Bros., carriages, Lima, Ohio.
Owen Bucket Co., Rockefeller Bldg., Cleveland, Ohio.
Owen Canning Co., Owen, Wis.
Owen China Co., Minerva, Ohio.
Owen, Geo., naval architect, Newton, Boston, Mass.
Owen, J. D. & E. G., lightning rods, Janesville, Wis.
Owen, John S., Lumber Co., Owen, Wis.
Owen, T. G., machst., Newport, R. I.
Owen Tire & Rubber Co., Bedford, O.
Owen, W. C., architect, Jackson, Tenn.
Owens, A. H., & Bro., canned goods, Perryville, Md.
Owens, B. W., Lumber Co., Fort Worth, Tex.
Owens Bottle Co., bottle machines & bottle mfrs., Toledo, O.
Owens Construction Co., Mobile, Ala.
Owens, H. W., architect, Xenia, Ohio.
Owens, J. A., machinist, Belle Plaine, Kans.
Owens, J. B., Floor & Wall Tile Co., Zanesville, Ohio.
Owens, J. L., & Co., agricultural implements, Fulton & S. E. Huron, Minneapolis, Minn.
Owens, John, & Co., packing box, Haverhill, Mass.
Owens, John D., & Son Co., lime mfrs., Owens, Ohio.
Owens, John, & Son, contractors, East St. Louis, Ill.
Owens, M. R., contractor, 308 Longworth, Cincinnati, Ohio.
Owens', Owen W., Sons, sea green roofing slate, Granville, N. Y.
Owens & Sisco, architects, Continental Bldg, Baltimore, Md.
Owensboro Buggy Co., carriages, Owensboro, Ky.
Owensboro Canning Co., Owensboro, Ky.
Owensboro Ditcher & Grader Co., mfrs. of road machy., Owensboro, Ky.
Owensboro Forging Co., Owensboro, Ky.
Owensboro Planing Mill Co., lumber, Owensboro, Ky.
Owensboro Sewer Pipe Co., Owensboro, Ky
Owensboro Shovel & Tool Co., Owensboro, Ky.
Owensboro Wagon Co., Owensboro, Ky.
Owensboro Wheel Co., Owensboro, Ky.
Owings Lumber Co., Carrollton, Ala.
Owings, Thomas B., architect, 347 N. Charles, Baltimore, Md.
Owl Bayou Cypress Co., lumber mfrs., Cincinnati, Ohio.

Owl Creek Coal Co., Gebo, Wyo.
Owl Plumbing Supply Co., 967 Mission, San Francisco, Cal.
Owosso Boiler Works, Owosso, Mich.
Owosso Canning Co., Owosso, Mich.
Owosso Casket Co., Owosso, Mich.
Owosso Mfg. Co., crates, Owosso, Mich.
Owosso Mfg. Co., screens, Benton, Ark.
Owosso Sugar Co., Owosso, Mich.
Owren Castings Co., brass, bronze & aluminum castings, Attleboro, Mass.
Owsley, Burt T., contractor, 119 Jessie, San Francisco, Cal.
Owsley, C. F., architects, Mahoning Nat. Bk. Bldg., Youngstown, Ohio
Ox Fibre Brush Co., brush mfrs., Frederick, Md.
Oxford Buggy Co., Oxford, N. C.
Oxford Cotton Mills, Oxford, N. C.
Oxford, J. E., contractor, 310 Hemphill av, Atlanta, Ga.
Oxford Oil Co., Oxford, Ala.
Oxford Packing Works, fertilizer mfrs., Oxford, Pa.
Oxford Paper Co., 200 5th av, New York.
Oxford Plush Mills, Front & Oxford, Philadelphia, Pa.
Oxford Tripoli Sales Co., Inc., infusorial earth, 11 B'way, New York.
Oxidite Mfg. Co., casein, dry colors, Irish moss, paints & whiting, Arlington, Mass.
Oxman & Son, contrs., Ironwood, Mich.
Oxweld Acetylene Co., 640 Frelinghuysen av, Newark, N. J.
Oxy-Acetylene Appliance Co., welding & cutting apparatus, Jersey City, N. J.
Oxy-Acetylene Equip't. Co., welding apparatus, 31 West 125th, New York.
Oxyozon Disinfecting Co., 410 W. 13th, New York.
Oyen Advtg. Sign System, La Crosse, Wis.
Oyen, O. O., contractor, 718 S. 4th, Minneapolis, Minn.
Oyler Carriage Co., 120 N. 2d, St. Louis, Mo.
Oyster, L. A., machst. & fndr., Savana, Ill.
Ozan, Graysonia Lbr. Co., Graysonia, Ark.
Ozan Lumber Co., Prescott, Ark.
Ozark Cooperage & Lumber Co., International Life Bldg., St. Louis, Mo.
Ozark Elec. Co., egg testers, Aurora, Mo.
Ozark Land & Lumber Co., Winona, Mo.
Ozark Mfg. Co., boiler compounder, 9861 Lorain av, Cleveland, Ohio.
Ozark Smelting & Mining Co., 601 Canal rd, Cleveland, Ohio.
Ozark White Lime Co., Fayetteville, Ark.
Ozee, J. S., Sr., contractor, Mattoon, Ill.
Ozone Lumber Co., Ltd., Talisheek, La.
Ozone Pure Airfier Co., 1401 W. Jackson bl, Clicago, Ill.
Paape, W. O., contr., Lake Forest, Ill.
**PAASCHE AIR BRUSH CO.**, 1249 W. Washington blvd., Chicago, Il. *See adv index at end of book*
Pabst Brewing Co., 917 Chestnut, Milwaukee, Wis.
Pabst Schaller, mattresses, 111 E. 112th, Cincinnati, Ohio.
Paca Glass Co., homeopathic vials, 225 N. Frederich, Balto., Md.
Pace Bros., contractors, Engineers Bldg., Cleveland, Ohio.
Pace Bros. & Sons, crockery, Roseville, Ohio.
Pace Lbr. Co., Jackson, Texas.
Pace, S. E., architect, Covington, Va.
Pace, W. H., lumber, Athens, La.
Pacetti's, E. C., Sons, cornices & skylights, Savannah, Ga.
Pacific Aero Products Co., Seattle, Wash.
Pacific-American Fisheries, canners, So. Bellingham, Wash.
Pacific Ammonia & Chemical Co., Seattle, Wash.
Pacific Blower & Htg. Co., 224 5th, San Francisco, Cal.
Pacific Bone, Coal & Fertilizing Co., 519 California, San Francisco, Cal.
Pacific Box Co., packing mfrs., Tacoma, Wash.
Pacific Box Factory, Beach, nr. Mason, San Francisco, Cal.
Pacific Brass & Bronze Fdry., 528 Folsom, San Francisco, Cal.
Pacific Brass & Hardware Mfg. Co., 1646 N. Spring, Los Angeles, Cal.
Pacific Bridge Co., ft. of E. Salamon, Portland, Ore.
Pacific Builder & Engineer, trade publication, Seattle, Wash. *See adv. index at end of book.*
Pacific Bldg. Matls. Co., 523 Market, San Francisco, Cal.
Pacific Car & Fdry. Co., logging & railroad equipt., Seattle, Wash.
Pacific Carbonator Co., machy., 133 W. 24th, New York.
Pacific Carbonic Gas Co., ft. 6th av, Oakland, Cal.
Pacific Casket Co., 715 S. Johnson, Los Angeles, Cal.
Pacific Coast Beef & Provision Co., oils, Los Angeles, Cal.
Pacific Coast Borax Co., Oakland, Cal.
Pacific Coast Canning Co., Oakland, Cal.
Pacific Coast Coal Co., Smith bldg., Seattle, Wash.
Pacific Coast Concrete Co., 210 W. 7th, Los Angeles, Cal.
Pacific Coast Condensed Milk Co., Berlin, Wis.
Pacific Coast Dispatch, tank cars leased, Philadelphia Bldg., San Francisco, Cal.
Pacific Coast Dredging & Reclamation Co., 112 Market, San Francisco, Cal.
Pacific Coast Envelope Co., 400 2nd, San Francisco, Cal.
Pacific Coast Glass Works, bottles, 7th & Irwin, San Francisco, Cal.
Pacific Coast Gypsum Co., wall plaster mfrs., Tacoma, Wash.
Pacific Coast Lumber & Mill Co., Oakland, Cal.
Pacific Coast Mfg. Co., machsts., Los Angeles, Cal.



Pacific Coast Merchant, trade journal, 423 Sacto, San Francisco, Cal.
Pacific Coast Pipe Co., wood, Seattle, Wash.
Pacific Coast Planing Mill Co., sash, door & blind, 3310 S. Main, Los Angeles, Cal.
Pacific Coast Point Corp., 1111 11th, Oakland, Cal.
Pacific Coast Pole Co., ties, poles, etc., Spokane, Wash.
Pacific Coast Pottery & Terra Cotta Co., San Jose, Cal.
Pacific Coast Shipbuilding Co., 1st Natl. Bank bldg., San Francisco, Cal.
Pacific Coast Steel Co., Rialto Bldg., San Francisco, Cal.
Pacific Coast Syrup Co., canned goods, San Francisco, Cal.
Pacific Coast Testing Laboratory, Seattle, Wash.
Pacific Construction Co., 16 California, San Francisco, Cal.
Pacific Copper Works, 85 Minna., San Francisco, Cal.
Pacific Creamery Co., canned goods, Tempe, Ariz.
Pacific Creosoting Co., Seattle, Wash.
Pacific Door & Mfg. Co., Seattle, Wash.
Pacific Elec. Mfg. Co., enclosed fuses, circuit breakers, switches, 827 Folsom, San Francisco, Cal.
Pacific Elec. Ry Co., machsts. & fndrs., Los Angeles, Cal.
Pacific Elec. Welder Mfg. Co., welding mach., Seattle, Wash.
Pacific Engineering & Construction Co., 544 Market, San Francisco, Cal.
Pacific Export Lumber Co., Portland, Ore.
Pacific Fence Constr. Co., 423 Market, San Francisco, Cal.
Pacific Fir Co., lumber mfrs.—ties, poles & posts, Seattle, Wash.
Pacific Fire Extinguisher Co., automatic fire sprinklers, 507 Montgomery, San Francisco, Cal.
Pacific Fish Co., canned goods, 112 Market, San Francisco, Cal.
Pacific Fisheries & Packing Co., Aberdeen, Wash.
Pacific Flush Tank Co., 4241 Ravenswood av, Chicago, Ill.
Pacific Foundry Co., 18th & Harrison, San Francisco, Cal.
Pacific Gas & Elec. Co., Sacramento, Cal.
Pacific Gear & Tool Works, 1055 Folsom, San Francisco, Cal.
Pacific Glass & Paint Co., Tacoma, Wash.
Pacific Guano & Fertilizer Co., 343 Sansome, San Francisco, Cal.
Pacific Hardware Co., Everett, Wash.
Pacific Hardware Mfg. Co., Los Angeles, Cal.
Pacific Improvement Co., Crocker Bldg., San Francisco, Cal.
Pacific Iron Works, Astoria & Portland, Ore.
Pacific Iron Works, freight elevators, Spokane, Wash.
Pacific Iron & Steel Co., Inc., jobbing mfrs. of heavy sheet steel wk., 2637 Humboldt, Los Angeles, Cal.
Pacific Kerodox Burner Co., 700 Call bldg., San Francisco, Cal.
Pacific Knitting Mills, gloves & mittens, Seattle, Wash., & Los Angeles, Cal.
Pacific Lime & Plaster Co., San Francisco, Cal.
Pacific Lock Joint Pipe Co., sewer, Seattle, Wash.
Pacific Lubricating Co., oils & greases, Seattle, Wash.
Pacific Lumber Agency, Aberdeen, Wash.
Pacific Lumber Co., Hobart Bldg., San Francisco, Cal.
Pacific Mfg. Co., sashes, doors & blinds, Santa Clara, Cal.
Pacific Manure & Fertilizer Co., 429 Davis, San Francisco, Cal.
Pacific Marine Iron Wks., boilers & engines, E. Water & Main, Portland, Ore.
Pacific Metal Products Co., Torrance, Cal.
Pacific Metal Works, babbit metal, Portland, Ore.
Pacific Metal Works, 153 1st, San Francisco, Cal.
Pacific Mill & Mine Supply Co., 616 Mission, San Francisco, Cal.
Pacific Mill & Timber Co., lumber mfrs., Portland, Ore.
Pacific Milling Co., cereal foods, 74 Langton, San Francisco, Cal.
Pacific Mills, cotton sheetings, Lawrence, Mass.
Pacific Mutual Door Co., porch columns, Tacoma, Wash.
Pacific National Lumber Co., Tacoma, Wash.
Pacific Nov. Co., manicure sets & hand mirrors, hair pins, etc., 41 E. 11th, New York.
Pacific Oil & Lead Works, 155 Townsend, San Francisco, Cal.
Pacific Ornamental Iron Co., Seattle, Wash.
Pacific Paper Co., Portland, Ore.
Pacific Pea Packing Co., Eau Claire, Wis.
Pacific Pennant & Novelty Co., Los Angeles, Cal.
Pacific Pipe & Supp. Co., mill & facty. supp., 1002 Santa Fe, Los Angeles, Cal.
Pacific Porcelain Ware Co., 67 New Montgomery, San Francisco, Cal.
Pacific Portable Construction Co., cottages, Boyle av, Los Angeles, Cal.
Pacific-Portland Cement Cons'd. Co., Pacific Bldg., San Francisco, Cal.
Pacific Pump & Supply Co., 853 Folsom, San Francisco, Cal.
Pacific Pumping Co., 350 Battery, San Francisco, Cal.
Pacific Refining & Roofing Co., see Vulcanite Roofing Co. (successors,),
Pacific Rolling Mill Co., 17th & Mississippi, San Francisco, Cal.
Pacific Sanitary Mfg. Co., water closets, plbrs. supp., 67 New Montgomery, San Francisco, Cal.
Pacific Sash & Door Co., 3310 S. Main, Los Angeles, Cal.
Pacific Sewer Pipe Co., Los Angeles, Cal.
Pacific Shade Cloth Co., Oakland, Cal.
Pacific Shingle Co., see Leybold-Smith Shingle Co. (successors).
Pacific Ship Yards & Ways Co., 24 California, San Francisco, Cal.
Pacific Spring Bed Co., Berkeley, Cal.
Pacific States Casket Co., 235 9th, San Francisco, Cal.
Pacific States Constr. Co., Ry. Exchange bldg., Seattle, Wash.

ific States Lumber Co., Tacoma, Wash.
ific States Refineries, petroleum, 110 Sutter, San Francisco, Cal.
ific Steel Furn. Mfg. Co., spring beds, Seattle, Wash.
ific Stove & Range Mfg. Co., fndrs., St. Johns, Ore.
ific Structural Iron Works, 370 10th, San Francisco, Cal.
ific Surety Company, 341 Montgomery, San Francisco, Cal.
ific Surgical Mfg. Co., Los Angeles, Cal.
ific Tank & Pipe Co., wood stave tanks, 318 Market, San Francisco, Cal.
ific Tea Packing Co., Oakland, Cal.
ific Tent & Awning Co., Fresno, Cal.
ific Timber Co., lumber, Everett, Wash.
fic Tool & Supply Co., owned by Berger & Carler Co., Fremont & Mission, San Francisco, Cal. Branch Offices: 110 Market, Los Angeles, Cal.; Portland, Ore., and Seattle, Wash.
ific Trunk & Bag Co., 533 Market, San Francisco, Cal.
fic Tuna Canning Co., San Diego, Cal.
ific Vinegar & Pickle Works, canned, 110 Market, San Francisco, Cal.
fic Wagon & Carriage Co., Seattle, Wash.
fic Wasserman Laboratories, chemists, Pacific Bldg., San Francisco, Cal.
fic Welding & Brazing, 503 Van Ness av, San Francisco, Cal.
fic Wood & Coal Co., San Diego, Cal.
ieo Contracting Co., Tucson, Ariz.
ioud, A. L., & Co., masons' & bldrs.' matls., 3459 Montgomery av, Cincinnati, Ohio.
ioud Bros., contractors, 1034 Kenner, Cincinnati, Ohio.
r, Geo. W., & Son, masons' & bldrs.' matls., Syracuse, .N Y.
rage Machinery Co., machinists, Springfield, Mass.
kages Pub. Co., Montgomery Bldg., Milwaukee, Wis.
kard, A., & Co., paint brushes, 166 Commercial, Boston, Mass.
kard Electric Co., Warren, Ohio.
kard, F. L., theatre architect, New Hayden Bldg., Columbus, Ohio.
kard, Geo. A., metallurgical engr., 50 Congress, Boston, Mass.
kard Hardware Co., Greenville, Pa.
kard, J. R., steam fitters' supplies, Greenville, Pa.
kard, J. S., Dredging Co., Turks Head Bldg., Providence, R. I.
kard Lamp Works of G. E. Co., Warren, Ohio.
kard Motor Car Co., Boulevard & Belt Line, Detroit, Mich.
kard Piano Co., organs, Ft. Wayne, Ind.
kard, R. G., Co., contractors, Bayonne, N. J.
er Auto Specialty Co., wrenches, 1420 S. Michigan, Chicago, Ill.
er, Jno. H., oil filters, Liberty, Mo.
er Mfg. Co., liquid soap, 81 Fulton, New York.
er & Sons, horse clipping machines, La Grange, Ill.
er, Thos., store trucks, Union City, Conn.
er, W. H., fndrs., Saddle River, N. J.
ers Architectural & Engng. Co., 431 S. Dearborn, Chicago, Ill.
ett Motor Car Mfg. Co., 2743 Lyndale av, S., Minneapolis, Minn.
ham Crimper Co., Mechanicsburg, Ohio.
wood Northwood Glass Co., Sandwich, Mass.
let Mfg. Co., cotton sheetings, Spartanburg, S. C.
lock, A. N., architect, South Norwalk, Conn.
ock Bond & Co., contractors, 25 N. Dearborn, Chicago, Ill.
ock Cork Co., 1209 De Kalb av, Brooklyn, N. Y.
ock, Frank E., contractor, Memphis, N. Y.
ock, J. H., Co., cork mfrs., 219 36th, Brooklyn, N. Y.
ock Tube Paper Co., Elbridge, N. Y.
ock-Williamson Co., needle—talking machine, 1036 Euclid av, Cleveland, Ohio.
on, Harold E., architect, 280 Madison av, New York
n City Pottery Co., Paden City, W. Va.
ett, W. H., contractor, Vicksburg, Miss.
itt Bros Co., harness, saddles, etc., Dallas, Tex.
itt, Tom, Co., whol. hdwe., Waco, Tex.
cah Box & Basket Co., Paducah, Ky.
cah Brick & Tile Co., Paducah, Ky.
cah Cooperage Co., Paducah, Ky.
cah Dry Dock Co., Paducah, Ky.
cah Iron Co., mill & factory supplies, Paducah, Ky.
cah Pole & Timber Co., Paducah, Ky.
cah Pottery Co., Paducah, Ky.
cke-Leicht Lumber Co., 111 W. Washington, Chicago, Ill
. Chas. H., mattress, St. Joseph, Mo.
Wm. A., masons' & bldrs.' matls., Wausau, Wis.
n, Franklin D., architect, 57 Lawton, New Rochelle, N. Y.
nettl, J. S., Co., masons' & bldrs.' matls., Mount Clemens, Mich.
no, Jerome, stone producers, wkrs. & dlrs., 2642 Park av, New York.
A. C., oil well supp., Wichita, Falls, Tex.
Belting Co., 587 Market, San Francisco, Cal.
Belting Co., textile mchy., supplies, etc., Concord, N. H.
Boiler Co., 815 Larrabee, Chicago, Ill.
*See adv index at end of book*
& Bolster Shingle Co., Hollywood, Wash.
Broom Co., Lawrence, Mass.
Bros. Buggy Co., carriages, Marshall, Mich.

Page, C. H., & Bro., architects, Austin Nat'l Bank Bldg., Austin, Tex.
Page, Carroll S., ground bone, Hyde Park, Vt.
Page Engng. Co., buckets, 189 W. Madison, Chicago, Ill.
Page Engineering Co., engine bldrs., Claggett & Hull, Baltimore, Md.
Page, Frank W., machst. & fndr., Monticello, Ia.
Page, Fred M., & Co., gummed paper, W. Lynn, Mass.
Page, Geo. G., Box Co., wooden & corrugated box makers, Cambridge, Mass.
Page, George H., architect, Pawtucket, R. I.
Page, Geo. W., architect, Rea Bldg., San Jose, Cal.
Page, Harvey L., Co., architects, 741 E. Houston, San Antonio, Tex.
Page & Hill, lbr., 812 Plymouth Bldg., Minneapolis, Minn.
Page & Jones, steamship brokers & agents, Mobile, Ala.
*See adv index at end of book.*
Page, Jno. M., & Co., steamfitters' supplies, Naugatuck, Conn.
Page, L. A., Lumber Co., Alexandria, Minn.
Page, L. L., contr., Richmond, Cal.
Page, Leroy J., architect, Leominster, Mass.
Page Lbr. Co., Buckley & Eagle Gorge, Wash.
Page Mfg. Co., cotton batting, Cohoes, N. Y.
Page Milk Co., canned, Ubly, Mich.
Page Milling Co., flour, Luray, Va.
Page, N. L., & Son Co., packing box mfrs., Auburn, Me.
Page Needle Co., tex. machy., supplies, Chicopee Falls, Mass.
Page-Newell & Co., steel importers, 93 Broad, Boston, Mass.
Page, Ralphe E., mill & facty. supp., Hartford, Conn.
Page Steel & Wire Co., copper-clad wires, Grand Central Palace, New York.
Page-Storms Drop Forge Co., see Winchester Repeating Arms Co. (successors).
Page, Thos., canned goods, Albion, N. Y.
Page, Thomas, Milling Co., flour, Topeka, Kans.
Page, W. C., Wirtz Co., masons' & bldrs.' matls., Ionia, Mich.
Page, Wm. H., Boiler Co., 141 W. 36th, New York.
Page & Frothingham, architect, 152 Chauncey, Boston, Mass.
Page & Page, architects, 87 Weybosset, Providence, R. I.
Paggi, P., & Co., bags & bagging, 52 Washington, San Francisco, Cal.
Pagnod, A., & Sons, soap, 250 46th, Brooklyn, N. Y.
Pagosa Lumber Co., Denver, Colo.
Pague Mfg. Co., tin pails, 29th & Southwest blvd., Kansas City, Mo.
Pahl, August, brick, Arcadia, Wis.
Pahl, E. F., & Co., children's carriages, 1032 3d, Milwaukee, Wis.
Pahlow Reed & Willow Mfg. Co., furniture, 132 W. 27th, New York.
Paige, C. F., & Co., mill & facty. supplies, masons' & bldrs.' matls., Athol, Mass.
Paige-Detroit Motor Car Co., McKinstry & Fort, Detroit, Mich.
Paige, E. C., see Paige Morton (successor).
Paige, Frank E., & Co., felt mills, 68 Essex, Boston, Mass.
Paige & Jones Chem. Co., boiler comp'ds, 15 E. 40th, New York.
Paige Morton, cradles & rope reels, Antrim, N. H.
Paige Sign Co., Worcester, Mass.
Pain & Young, landscape architects, Tampa, Fla.
Paine, A., & Son, contractors, Oswego, N. Y.
Paine Co., bolts, 140 S. Dearborn, Chicago, Ill.
Paine, C. S., Co., mattress, Grand Rapids, Mich.
Paine & Co., meat packers, Wilkes-Barre, Pa.
Paine Co., plbrs. supplies, 144 2d, San Francisco, Cal.
Paine-Fishburn Granite Co., stone producers, Grand Island, Neb.
Paine-Ford Co., mill & facty. supplies, Ashtabula, Ohio.
Paine Furn. Co., mattresses, tool chests, 81 Arlington, Boston, Mass.
Paine, H. A., machinery dealer, Houston, Tex.
Paine Lumber Co. (Ltd.), 111 W. Washington, Chicago, Ill., & Oshkosh, Wis.
Paine & Nixon Co., glass & paint jobbers, Duluth, Minn.
Paine, O. R., machst. & fndr., Blackwell, Okla.
Paine, S. S., & Bro., masons' & bldrs.' matls., New Bedford, Mass.
Paine, Walter J., architect, Newtonville, Mass.
Painesville Coal & Builders' Supply Co., Painesville, Ohio.
Painesville Metallic Binding Co., Painesville, Ohio.
Paint, Glass & Bldrs.' Supply Co., Anniston, Ala.
Painter, E. O., Fertilizer Co., Jacksonville, Fla.
Painter & Frankland, agricultural implements, Albion, Ill.
Painter, Joel T., Co., paint mfrs., McKeesport, Pa.
Painter, Jos., & Sons, machsts. & fndrs., Myerstown, Pa.
Painters' Magazine, trade publication, 100 William, New York.
Painton Brick Co., Troy, N. Y.
Pairpoint Corp., paper & pulp mills, New Bedford, Mass.
Paisler & Willis, masons' & bldrs.' matls., New Bedford, Mass.
Paisley Wm. C., Roofing Co., cornices & skylights, Ottawa, Ill.
Paist, Phineas E., Esq., architect, 233 7th, Miami, Fla.
Paiste, H. T., Co., mchsts., 3201 Arch, Phila., Pa.
Pajoro Valley Mercantile Co., masons' & bldrs.' matls., Watsonville, Cal.
Pakanship Co., Inc., box trapping & bundling machy., 375 Fulton, Brooklyn, N. Y.
Palace Hardware Co., Tacoma, Wash.
Palanca, A., naval architect, 291 B'way, New York.
Palaora Bros., granite prod., Barre, Vt.

Paladino Contr. Co., 339 E. 115th, New York.
Palen's, H. W., Sons, casket & sash, door & blind mfrs., Kingston, N. Y.
**Palisades Park Lumber & Supply Co., Palisades Park, N. J.**
Pall Mall Elec. Co., safety razor mfrs., 128 W. 34th, New York.
**Palliser & Hills, architects, 827 McIntyre Bldg., Salt Lake City,** Utah.
Pallme, Edw. F., architect, 3 W. 29th, New York.
Palm Beach Mercantile Co., whol. hdwe., West Palm Beach, Fla.
Palm, E. E., organs, Mount Penn, Pa.
Palm Bros. Co., name plates & transfer ornaments, 20 W. Jackson blvd., Chicago, Ill.
Palm, Fechteler & Co., transfer ornaments, 67 5th av, New York.
Palm Iron & Bridge Works, Sacramento, Cal.
Palm, Louis F., Co., tire coolers, Defiance, O.
Palm & Sons, lbr., Northport, Wash.
Palm Vacuum Cleaner Co., 2671 E. Gd. blvd, Detroit, Mich.
Palmberg & Mattson Co., contractors, Astoria, Ore.
Palmenberg's, J. R., Sons, window display fixtures, 63 W. 36th, New York.
Palmer, Albert E., & Sons, cabinet makers' iron clamps, Owosso, Mich.
Palmer, B., archl. iron, 312 W. 43d, New York .
Palmer-Bee Co., mchsts., 2778 Gd. blvd., Detroit, Mich.
**Palmer Bros., machsts, Belle Plaine, Ia., & Cos Cob, Conn.**
Palmer Bros., stone producers, Connellsville, Pa.
Palmer, C. S., architect, 191 Church, New Haven, Conn.
Palmer, C. W., & Co., masons' & bldrs.' matls., Herkimer, N. Y.
Palmer, Chas. B., contractor, Wayne, Pa.
Palmer, Clarence C., architect, New Britain, Conn.
Palmer, Clarence William, architect, Moffat bldg., Detroit, Mich.
Palmer & Co., fruit evaporators, Noble, Ill.
Palmer Co., thermometers, 114-116 W. 6th, Cincinnati, O.
Palmer Co., tracing cloth & paper, 157 Westminster, Providence, R. I.
**Palmer & De Mooy Foundry Co., 1658 Leonard, N. W., Cleveland, Ohio.**
Palmer & Dreher, contractors, Stroudsburg, Pa.
Palmer, Edward, flour mills, Waynesboro, Va.
Palmer, Edw. L., Jr., architect, 513 N. Charles, Baltimore, Md.
Palmer Electric & Mfg. Co., automatic electric switch mfrs., 60 K, Boston, Mass.
Palmer-Ellison Constr. Co., Henry Bldg., Portland, Ore.
Palmer Equipt. Corpn., rubber machy., 2741 Clybourn av, Chicago, Ill.
Palmer, Frank L., contr., Stamford, Conn.
Palmer, Fred A., contractor, 3003 Hennepin av, Minneapolis, Minn.
Palmer Fdry. Mach. Co., Palmer, Mass.
Palmer Galvanic Bed Co., mattresses, 231 E. 9th, New York.
Palmer, Geo. H., masons' & bldrs.' matls., Sheridan, Ind.
Palmer, Geo. J., cornices, West Chester, Pa.
Palmer, Geo., Lumber Co., La Grande, Ore.
Palmer & Hardin, mattresses, Louisville, Ky.
Palmer, Hy. A., machsts., Westfield, Mass.
**Palmer, Henry S., Supply Co., mill & facty. supplies, Beaver** Falls, Pa.
Palmer & Hornbostel, architects, 63 William, New York.
Palmer, I. E., Co., textile mach'y, supplies, etc., Middletown, Conn.
Palmer, J. C., masons' & bldrs.' matls., Ashland, O.
Palmer, J. C., meat packer, Charleston, Tenn.
Palmer, J. J., turpentine, Champaign, Fla.
Palmer, Jarvis, cultivators & ladders, Northville, Mich.
Palmer, John E., contractor, Old South Bldg., Boston, Mass.
Palmer, Joseph, auto. springs, 333 Rutherford av, Boston, Mass.
Palmer, L. M., lime mfrs., York, Pa.
Palmer, L. P., & Sons, granite producers, Graniteville, Mass.
Palmer Lime & Cement Co., 103 Park av, New York.
Palmer, Lowell M., Chemical Co., chalk, 78 Beekman, New York.
Palmer & Lynch, contractors, 415 Campbell av, New Haven, Conn.
**Palmer & McBryde, contractors, Hooker & Lent Bldg., San Francisco, Cal.**
**Palmer-Meyer Motor Car Co., auto. bldrs., 5027 McKissock av,** St. Louis, Mo.
Palmer, Moore & Co., contractors, Logansport, Ind.
Palmer, N., & Co., mill & facty. supplies, Bridgeport, Conn.
Palmer & Parker Co., lumber dealers, 103 Medford char., Boston, Mass.
Palmer Press Brick Works, Palmer, Tex.
**Palmer-Price Co., paint & varnish remover, etc., 270 Chestnut,** Newark, N. J.
Palmer, Robt., & Son, Ship Bldg. & Marine Ry. Co., Noank, Conn.
Palmer Rubber Co., re-built, & re-thread tires, Poughkeepsie, N. Y.
**Palmer, Simpson Co., airplane parts & supplies, Saranac Lake,** N. Y.
Palmer, S. S., masons' & bldrs.' matls., Seneca Falls,, N. Y.
Palmer & Semans Lumber Co., Uniontown, Pa.
Palmer & Sinkhorn, flour mills, Stamping Ground, Ky.
Palmer, Spivery, Construction Co., Augusta, Ga.
Palmer, T. D., Co., clothes pressing mach., Syracuse, N. Y.
Palmer, W. G., sash, door & blind, North Tonawanda, N. Y.
Palmer, W. H., Co., contractors, Youngstown, O.
Palmer, W. M., Mfg. Co., clothes line reels, **42 B'way, New** York.
Palmer, Willis B., paper & pulp mills, Doe Run, Pa.



Palmer & Petersen, contrs., 681 Market, San Francisco, Cal.
**Palmetier & Abel Lumber Co., Waukesha, Wis.**
Palmetto Cotton Mills. Palmetto, Ga.
Palmetto Guano Corp., fertz. mfrs., Columbia, S. C.
Palmetto Lumber Co., Houston, Tex.
Palmetto Oil Co., meal, Bishopville, S. C.
Palmetto Phosphate Co., Keyser Bldg., Baltimore, Md.
Palmetto Whol. & Hdwe. Supp. Co., Spartanburg, S. C.
Palmour Hardware Co., Gainesville, Ga.
Palmyra Sand Co., Palmyra, N. Y.
Palo Co., test tube brushes, litmus, 90 Maiden Lane, New York.
Paltzer, C. A., Lbr. Co., 112 A. Adams, Chicago, Ill.
Palubiak, J., & Son, cornices, 4107 Chippewa, St. Louis, Mo.
Pamlico Chemical Co., fertilizer mfrs., Washington, N. C.
Pamlico Lumber Co., Land Title Bldg., Phila., Pa.
Pampel, H. D., architect, Finance Bldg., Kansas City, Mo.
**Pan-American Motors Corp., Decatur, Ill.**
Pana Coal Co., Assumption, Ill.
Pan-American Brick Co., steel structl. wks., New Castle, Ind.
Pan-American Refining Co., Tulsa, Okla.
Pan-American Smelting Wks., Calyer & Moultrie, Brooklyn, N. Y.
Pan. Elec. Mfg. Co., meat choppers & slicers, dynamos, generators, motors, etc., 735 S. 4th, St. Louis, Mo.
Panama Lbr. & Shingle Co., Olympia, Wash.
Panama Oil & Grease Co., metal polish, belt dress'g, etc., 159 W. 51st, New York.
Pancoast, Henry B., Co., mill & facty. supplies 950 N. Front, Philadelphia, Pa.
Pancoast & Paxson Co., machsts., Purcellville, Va.
Pancoast Shingle Co., lbr. mfrs., Bellingham, Wash.
Panenberg, F. G., & Co., brick, Mankota, Minn.
Pangborn Corp., sand blast, Hagerstown, Md.
Pangborn's, W. H., Son, contr., Plainfield, N. J.
Panhandle Lbr. Co., Spirit Lake, Idaho.
Panhard Motor Co., Grand Haven, Mich.
Panigot, C. W., contractor, Hudson, N. Y.
Pankow Bros., machsts. & fndrs., Sioux Falls, S. D.
Pankow, C. J., architect, Champagne, Ill.
Panneton, Joe, contr., Farmersville, Ill.
Pannier Bros., Stamp Co., 207 Sandusky, Pittsburgh, Pa.
Panning Bros., lumber, Hamler, Ohio.
Pan-o-Lite Grease & Oil Co., 298 Hancock, Long Island City, N. Y.
Pantagraph Printing & Stationery Co., tablets & pads, Bloomington, Ill.
Pantasote Co., artificial leather mfrs., 11 B'way, New York.
Pantasote Leather Co., Passaic, N. J.
Panther Rubber Mfg. Co., rubber heels, Stoughton, Mass.
Pantley, Wm., contr., Far Hills, N. J.
Panziere, A., Co., Inc., contr., 50 Beaver, Albany, N. Y.
Papco Paper Prod. Co., gummed takes & moistening machy., Atlanta, Ga.
Pape Bros., Moulding Co., Plum & Canal, Cincinnati, Ohio.
**Pape, P. C., architect, Consolidated Realty Bldg., Los Angeles,** Cal.
Papec Machine Co., Shortsville, N. Y.
Paper, Inc., trade publication, 131 E. 23d, New York.
Paper City Brass Foundry, Holyoke, Mass.
Paper Goods Mfg. Co., toilet paper & towels, 925 Penn. av, Pittsburgh, Pa.
**Paper Maker's Chemical Co., clays, satin white & rosin size, etc.,** Easton, Pa.
Paper Manufacturers Co., rolls—adding machine, 526 Cherry, Phila., Pa.
**Paper Mills, trade publication, 154 Nassau, New York.**
Paper Novelty Co., Green Bay, Wis.
Paper Products Co., 2405 W. Franklin, Baltimore, Md.
Paper Service Co., toilet paper, Hinsdale, N. H.
**Paper Trade Journal, 10 E. 39th, New York.**
Paper Work'g Machines Co., machsts. & fndrs., Avenue U, Brooklyn, N. Y.
Papier Mache Works of America, toys, etc., 115 Spring, New York.
Pa Pro Co., milk bottle caps, Lowville, N. Y.
Papyrus Artificial Paper Mfg. Co., ropes—auto towing, Kenilworth, N. J.
Pardee & Curtin Lbr. Co., Clarksburg, W. Va.
Paradice, Frank H., Jr., architect, Pocatello, Idaho.
Paradine Mfg. Co., curb boxes, Erie, Pa.
Paradise Coal Co., Springfield, Ill.
Paraffin Paint Co., San Francisco, Cal.
Paraffine Companies, Inc., paint & paper, San Francisco, Cal. *See adv. index at end of book.*
Paragon Elec. Co., 37 W. Van Buren, Chicago, Ill., & 329 5th, New York.
Paragon Foundries, piano plates, Oregon, Ill.
Paragon Gear Works, marine reversing gears mfr., Taunton, Mass.
Paragon Insulating Co., insulating paints, 5716 Euclid, Cleveland, Ohio.
Paragon Light Co., 141 Locust, Buffalo, N. Y.
Paragon Mach. Co., Rochester, N. Y
Paragon Mfg. Co., machsts., 2427 W. 14th, Chicago, Ill.
Paragon Mat Co., Frankford & Worrell, Phila., Pa.
Paragon Metal Co., babbitt, 3058 S. Ashland av, Chicago, Ill.
Paragon Plaster Co., masons' & bldrs.' matls., 300 W. Water, Syracuse, N. Y.
Paragon Plaster & Supply Co., lime mfrs., Scranton, Pa.

agon Refining Co., lubricating oils & greases & sulphonated oils, **Toledo, Ohio.**
agould Handle Mfg. Co., Paragould, Ark.
alite Co., rubber molds, Swetland bldg., Cleveland, Ohio.
amount Brass & Mfg. Co., 2187 E. 2d, **Cleveland, Ohio.**
amount Bldg. Co., 45 Kearny, San Francisco, Cal.
amount Hosiery Form Drying Co., 337 W. **Madison, Chi**cago, Ill.
amount Mfg. Co., Inc., screw mach. products, Westfield, N. J.
cell, F. S., machy dlrs., Tampa, Fla.
chen Drug Co., glass, Helena, Mont.
cher, Ellet P., architect, 6721 Hollywood, Los Angeles, Cal.
dee Bros. & Co., Inc., anthracite coal mine, Lattimer Mines, Pa.
dee, C. A., flour mills, Colesburg, Ky.
dee, C., Wks., iron rolling mills, etc., Perth Amboy, N. J.
don Fish Hook Co., **Owensboro, Ky.**
dy, T. J., Construction Co., 15 Fairfield av, Bridgeport, Conn.
fitt, Albert E., architect, 19 Liberty, New York.
fitt Bros, architects, 26 Court, Brooklyn, N. Y.
fitt, Wm. A., archit., 26 Court, Brooklyn, N. Y.
frey, Chas. A., tubs, boxes, Richland Center, Wis.
ger, Oscar A., landscape architect, 742 Market, San Francisco, Cal.
is Belt & Novelty Co., leather specialties, 231 N. Wells, Chicago, Ill.
s Fdry. & Mach. Wks., broom corn harvesters, Paris, Ill.
s Mfg. Co., step ladders, ski & children's carriage mfrs., etc., South Paris, Me.
s Mattress Mfg. Co., Paris, Tex.
s Milling Co., flour, Paris, Ky., Tex. & Tenn.
s Roller Mills Co., flour, Paris, Idaho.
s Saddlery Co., Paris, Tex.
s Stone Renovat'g Co., 5 Gt. Jones, New York.
s. W. F., flour mills, Lola, Ky.
**s, W. Francklyn, decorative archt., 53 W. 39th, New York.**
ish. Alford Fence & Machine Co., machsts. & fndrs., Knightstown, Ind.
sh & Hingham Co., stamping wks., Madison av. & W. 106th, Cleveland, Ohio.
sh Bros., contractors, Youngstown, Ohio.
sh Mfg. Co., automobile dashes, fenders, frames & hangers, Reading, Pa.
sh Mfg. Co., stamping wks., Mt. Elliott & Trombley, Detroit, Mich.
sh Supply & Mfg. Co., tackle blocks, 2864 Quinn, Chicago, Ill.
sh & Schroeder, architects, 12 W. 31st, New York.
**zek, Frank, pearl buttons, West Willington, Conn.**
: Chemical Co., case hardening compounds, 35 Lovett, Detroit, Mich.
: City Cornice Wks., nc., 56 McKinley av, Bridgeport, Conn.
**City Lbr. Co., Bridgeport, Conn.**
: City Mach. & Supply Co., Bowling Green, Ky.
: City Milling Co., flour, Bowling Green, Ky.
City Silverware Co., silver nov., Bridgeport, Conn.
: Drop Forge Co., 760 E. 79th, Cleveland, Ohio.
, Earl G., architect, Securities bldg., Seattle, Wash.
, Elbert O., contr., Groton, Conn.
: Falls Lbr. Co., Park Falls, Wis.
, H. C., architect, Ridgway, Pa.
Hardware Co., Warren, Ohio.
**Iron Wks., 712 E. 136th, New York.**
, Jas., & Co., contractors, Belle Plaine, Ia.
Lbr. Co., Dowling Park, Fla.
& McKay, plumbers' supplies—jobbers, 55 Bagley av, Detroit, Mich.
Mfg. Co., elevators, Charlotte, N. C.
, Morrand & Co., Waycross, Ga.
Nov. Co., corrugated paper & boxes, 25th & Locust, Philadelphia, Pa.
Rapids Lumber Co., Minneapolis, Minn.
River Milling Co., flour, Park River, N. D.
& Tucker, brick, Avery, Ohio.
, W. R., & Son, mill & facty. supplies, Taunton, Mass.
, Walter L., architect, Taunton, Mass.
& Williams, Inc., pigiron, Real Estate Trust bldg., Philadelphia, Pa.
, Winton & True Co., sash, door & blind mfrs., Addison, N. Y.
e, David, architect, 300 Elysian av, Pittsburgh, Pa.
e, Davis & Co., camphor, disinfectants, 743 E. Atwater, Detroit, Mich.
e, John Y., & Co., metal nov. & spec., 29 N. 7th, Philadelphia, Pa.
er, A. A., machinist, Waterford, N. Y.
er & Banfield, architects, Columbia Bldg., Portland, Ore.
er, Bateman & Chase, landscape architects, Clinton, Mass.
er Bell Lumber Co., Pilchuck, Wash.
er Boiler Co., 9th & Sansom, Philadelphia, Pa.
er Bros., cornices & skylights, Lyons, Ia.
er Bros., machinists & founders, Meriden, Conn.
er Bros., masons' & bldrs.' matls., Bloomington, Ill.
er Bros., toys, games & nov., Salem, Mass.
er Bros. Glass Mfg. Co., Bridgeton, N. J.
er, Byron, mill & facty. supplies, Hudson, N. Y.
er, C. H., Co., paints, enamels, varnishes, Valparaiso, Ind.
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Parker, C. W., organs, Leavenworth, Kans.
Parker, Carl R., landscape archt., 465 Congress, Portland, Me.
Parker, Charles, Co., bathroom fixtures, coffee mills, etc., Meriden, Conn.
Parker, Chas. H., Co., enamels, paints & varnishes, Valparaiso, Ind.
Parker, Chas. H., & Son, elec. lgt. plants, Denver, Colo.
Parker, Chas. N., architect, Electrical Bldg., Asheville, N. C.
Parker Clock Co., Meriden, Conn.
Parker Cup & Specialty Wks., valve cups, Parkers Landing, Pa
Parker, D. O. Lbr., Tuscaloosa, Ala.
Parker, E. E., & P., lbr., Reed's Ferry, N. H.
Parker, E F., flour mills, Elihu, Ky.
Parker, E. L., & Nimmo Co., tin plate, metals, whol. hdwe., etc., 203 S. Charles, Baltimore, Md.
Parker, E. W., contractors, Tampa, Fla.
Parker, Edwin A., Corpn., duplicating app., 591 Hudson, New York.
Parker, F. E., architect, Kemper Bldg., Kansas City, Mo.
Parker, Frank A., Co., willow ware mfrs., 31 Troup, Rochester, N. Y.
Parker, Geo. D., machinery, Riverside, Cal.
Parker & Granville, muslin & advtg. signs, Ithaca, N. Y.
Parker, H., architect, Drexel Bldg., Philadelphia, Pa.
Parker, H. C., & Bro., lumber, Tenaha, Tex.
Parker, H. Hanley, decorative archt., 1710 Chestnut, Phila., Pa.
Parker & Hafner, nail lthr., insulating washers, Williamsport, Pa.
Parker, Hy., elastic surgical hosiery, 100 W. 23d, New York.
Parker-Hensel Engng. Co., see Brunswick Marine Constr. Co. (successors).
Parker, Ira, & Sons Co., paint, Oshkosh, Wis.
Parker Iron Wks., machsts. & fndrs., San Bernardino, Cal.
Parker, John, contractor, Norwalk, Ohio.
Parker, John H., Co., contractors, 315 4th av, New York.
Parker & Johnston, sash, door & blind, Logansport, Ind.
Parker, Jos., & Son Co., paper & pulp mill, New Haven, Conn.
Parker, K. E., Co., contrs., G. G. Park Museum, San Francisco, Cal.
Parker-Kellogg Lumber Co., 830 Lbr. Exch., Minneapolis, Minn.
Parker, L. B., lbr. mfrs., Parkers, N. Y.
Parker, Llewellyn, architect, P. E. bldg., Los Angeles, Cal.
Parker Lumber Co., Findlay, Ohio & Rimini, S. C.
Parker Machine Co., designers & builders of machinery, 221 High, Boston, Mass.
Parker Mach. & Fan Wks., Kansas City, Kans.
Parker Mach. Wks., automatic mailing box machy., 491 Mulberry, Riverside, Cal.
Parker Milling Co., flour, Parker's Landing, Pa.
Parker Motor Truck Co., auto bldrs., 606 Linus, Milwaukee, Wis.
Parker, N. D., & Sons, lumber mfrs., Mantua, Ohio.
Parker & Noel, lbr., Tuscaloosa, Ala.
Parker & Page Co., lumber, 40 First, E. C., Boston, Mass.
Parker Pen Co., fountain pens, Janesville, Wis.
Parker Plow Co., machsts. & fndrs., Richmond, Mich.
Parker, Preston & Co., waterproofing matls., Norwich, Conn.
Parker Refining Co., soap, 1307 W. 11th, Cleveland, Ohio.
Parker-Russell Mining & Mfg. Co., brick, locomotive tiles, gas retorts, etc., Laclede Gas Light Bldg., St. Louis, Mo.
Parker Rust Proof Co. of America, compounds, 623 E. Milwaukee, Detroit, Mich.
Parker Spool & Bobbin Co., bobbins, skewers & spools, Lewiston, Me.
Parker & Stearns, lbr., Johnson, Vt.
Parker, Stearns & Co., rubber goods, 286 Sheffield av, Brooklyn, N. Y.
Parker Supply Co., sheet metal screws, 785 E. 135th, New York.
Parker Supply Co., plbrs. supplies, Xenia, O.
Parker, Surry, machinist, Pinetown, N. C.
Parker, T. J., aniline hydrochloride, 92 William, New York.
Parker, T. M., burning brands, presses, etc., Hartford, Conn.
Parker, Thos., Co., stone producers, wkrs. & dlrs., 1259 Flushing av, Brooklyn, N. Y.
Parker, Thomas, & Rice, architects, 110 State, Boston, Mass., & Union Trust Bldg., Baltimore, Md.
Parker & Topping Co., machinists, Brainerd, Minn.
Parker, V. C., & Son, contractors, Waycross, Ga.
Parker, W. H., architect, Greenville, Miss.
Parker W. T., Mfg. Co., patterns, Springfield, Ohio.
Parker, Walter H., architect, 12 Geary, San Francisco, Cal.
Parker-Washington Co., contrs., 2309 Penn av, Kans. City, Mo.
Parker, Webb & Co., meat pkrs, 20th & Mich. av, Detroit, Mich.
Parker Wheel Co., 3778 E. 78th, Cleveland, Ohio.
Parker White Metal & Machine Co., Erie, Pa.
Parker, Wm., contractor, Norwalk, Ohio.
Parker, Wilson B., architect, 620 State Life, Indianapolis, Ind.
Parker Wire Goods Co., hooks, screws, etc., Worcester, Mass.
Parker,-Young Co., lbr., Orleans, Vt.
Parker & Parker, architects, 12 W. 40th, New York.
Parkersburg Iron & Steel Co., corrugated, Parkersburg, W. Va.
Parkersburg Machine Co., Parkersburg, W. Va.
Parkersburg Mattress Co., Parkersburg, W. Va.
Parkersburg Mill Co., butchers' blocks, Parkersburg, W. Va.
Parkersburg Rig & Reel Co., irons, Parkersburg, W. Va.
Parkes File Co., 117 Verona av, Newark, N. J.
Parkesburg Iron Co., iron rolling mills, Parkesburg, Pa.

Parkesburg Stamping & Mfg. Co., stamping & stamped goods, Parkesburg, Pa.
Parkhurst, J. F., & Son Co., trunks, Bangor, Me.
Parkhurst, L. D., knives, Danielson, Conn.
Parkins, E. P., machinist, Dickey, Ga.
Parkins, W. B., flour mills, Maysville, Ark.
Parkinson, Chas., Inc., contractor, 67 Greenwich, New York.
Parkinson & Dockendorff, architects, La Crosse, Wis.
Parkinson, Edw., Mfg. Co., mill & facty. supplies, 84 Sprague Providence, R. I.
Parkinson, John, architect, Title Insurance, Los Angeles, Cal.
Parks, Alexander, flour mills, Martinsburg, W. Va.
Parks Ball Bearing Machine Co., wood working machy., Knowlton & Fergus, Cincinnati, Ohio.
Parks & Bros., canned goods, Kinsale, Va.
Parks, C. M., machst., West Manchester, Ohio.
Parks-Cramer Co., air conditioning, htg. & plbg. supplies, Fitchburg, Mass.
Parks, G. M., Co., piping engineers constr, Fitchburg, Mass., & Old South Bldg, Boston, Mass.
Parks, Geo., & Sons Co., contractors, 217 15th, Buffalo, N. Y.
Parks, M. H., & Co., barrel covers, Winchendon, Mass.
Parks & Parks, shoe brushes, racks, tongs, etc., Troy, N. Y.
Parks & Woolson Machine Co., Springfield, Vt.
Parkston Canning Co., Parkston, S. D.
Parkyn & Sons, masons' & bldrs.' matls., Palisades Park, N. J.
Parlee, H. C., & Co., window screens, 25 Haverhill, Boston, Mass.
Parlett & Parlett Co., masons' & bldrs.' matls., Annapolis, Md.
Parlette. H. Leslie, overhead trolleys, Media, Pa.
Parliman, Lawrence E., masons' & bldrs.' matls., Sea Cliff, N. Y.
Parlin & Orendorff Co., agricultural implements, Canton, Ill.
Parlor Furniture & Mattress Co., Fremont, Neb.
Parlor Golf Co., toys, games & novelties, Hoboken, N. J.
Parlor Pride Mfg. Co., stove polish, North Andover, Mass.
Parlow, W. E., architect, Cape Girardeau, Mo.
Parmalee, M. E., & Son, architects, Knoxville, Tenn.
Parmalee Wrench Co., 2515 W. Monroe, Chicago, Ill.
Parmele, Chas. L., machy. dlr., 50 Church, New York.
Parmelee Tool Co., machsts., 2515 W. Monroe, Chicago, Ill.
Parmelee, Z. L., Co., machsts., Los Angeles, Cal.
Parmenter C. R. constr's, Saratoga Springs, N. Y.
Parmenter Fender & Wheel Guard Co., 89 State, Boston, Mass.
Parnigoni Bros., granite, Barre, Vt.
Parr Lumber Co., window screens, St. Johns, Mich.
Parr, Wm., & Co., masons' & bldrs.' matls., Galveston, Tex.
Parr, Wm., & Son, aprons, Lowell, Mass.
Parrett Tractor Co., traction engines, 343 S. Dearborn, Chicago, Ill.
Parris, C. S., archl. iron, 7 Province Ct., Boston, Mass.
Parrish, Geo. T. Lbr. Co., Epes, Ala.
Parrish, J. O., Lumber Co., Shelbyville, Ind.
Parrish, Jay Allen, contr., Paris, Ill.
Parrish, S. H., & Co., stained glass substitutes, 202 S. Clark, Chicago, Ill.
Parrish, W. S., flour mills, San Luis, Colo.
Parrott & Hahn, machsts., Olympia, Wash.
Parrott Heater Co., 224 21st, Detroit, Mich.
Parrott, Matt., & Sons Co., desk calendars, Waterloo, Ia.
Parrott, Richard, dock bldrs., Newburgh, N. Y.
Parrott & Smith, cornices & skylights, Owatonna, Minn.
Parrott Varnish Co., Bridgeport, Conn.
Parrott, Wm., dock bldrs., Newburgh, N. Y.
Parry, A. N., & Co., auto. mountings, Amesbury, Mass.
Parry Brick Co., 166 Devonshire, Boston, Mass.
Parry & Jones Co., brick & granite, Rome, N. Y., & Barre, Vt.
Parry, Jos., & Sons Co., contractors, Ogden, Utah.
Parry Mfg. Co., auto. truck trailers, wagons, etc., Indianapolis, Ind.
Parry, Sam'l R., machst., Rochester, N. Y.
Parsche, F. X., & Son, glassware, 1434 Orleans, Chicago, Ill.
Parshelosky Bros., sash, door & blind mfrs., Morgan & Meserole, Bklyn, N. Y.
Par-Sil Metal Co., brush holders, Lansdale, Pa.
Parson, J. S., mill & facty. supplies, Oswego, N. Y.
Parson Mfg. Co., pneu. conveyors, 35 Nassau, N. Y.
Parsons, Anthony, architect, Wausau, Wis.
Parsons Bros. Slate Co., roofing, Pen Argyl, Pa.
Parsons, C. H., Co., bags & bagging, 78 Water, New York.
Parsons, C. Howard, archt., Bldrs. Exch., Minneapolis, Minn.
Parsons Co., ditching machs, Newton, La.
Parsons Construction Co., Inc., Binghamton, N. Y.
Parsons, Floyd Y., architect, 1133 B'way, New York.
Parsons, Grant, contractor, Kuline bldg, Omaha, Neb.
Parsons & Hamilton, soap, Santa Cruz, Cal.
Parsons, Harold A., contr., Stamford, Conn.
Parsons, J. H., boiler compounds, 122 S. Michigan av, Chicago, Ill.
Parsons, Jas. L., contractor, Southern Bldg., Washington, D. C.
Parsons & Lantry, contrs., 30 Church, New York.
Parsons Lumber Co., Rockford, Ill.
Parsons Machinery Co., Marlboro, Mass.
Parsons Mfg. Co., boxes & box shooks, Chelsea, Mass.
Parsons Mfg. Co., hdwe. mfrs., 411 S. Clinton, Chicago, Ill.
Parsons Marine Steam Turbine Co., 2 Rector, New York.
Parsons, P., boilers, Shreveport, La.
Parsons Paper Co., Holyoke, Mass.
Parsons & Petit chemical brokers, 63 Beaver, New York City.
Parsons Pulp & Lumber Co., fibre & screening paper, Finance Bldg., Philadelphia, Pa.
Parsons, Robert E., architect, 28 E. 48th, New York, & 371 B'way, Flushing, N. Y.
Parsons, Samuel, & Co., landscape architects, 101 Park av, New York.
Parsons Specialty & Machine Wks., metal stamping & hardware specialties, Hancock & Lehigh, Philadelphia, Pa.
Parsons, T. G., sashes, doors & blinds, Kent, Ohio.
Parsons, W. A., & Co., cash boxes, Durham Center, Conn.
Parsons Wagon Co., Earlville, N. Y.
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Parten-Blomstrom Mfg. Co., machsts., 311 6th av., S., Minneapolis, Minn.
Partenheimer, Otto, metal spinn'g, 2 Howard, New York.
Partin, M., brooms, Mobile, Ala.
Partin, W. E., machst. & fndr., Dardanelle, Ark.
Partola Mfg. Co., chemicals, 160 2d av, New York.
Partrick & Wilkins Co., tank alarms, 51 N. 7th, Phila., Pa.
Partridge, C. M., & W. A., masons' & bldrs.' matls., Rockport, Ind.
Partridge, E. O., bench & emery grinders, etc., 2039 Lake, Chicago, Ill. *See adv. index at end of book*
Partridge, Jere., stone producers, Narrowsburg, N. Y.
Partridge, T. M., Lbr. Co., 730 Lbr. Ex., Minneapolis, Minn.
Parvin & Co., steel struct. wk., Stephen Girard Bldg., Phila., Pa.
Pasadena Canning Co., Pasadena, Cal.
Pasadena Hdwe. Co., who. hdwe., Pasadena, Cal.
Pasadena Mfg. Co., lattice work, Pasadena, Cal.
Pasadena Milling Co., flour, Pasadena, Cal.
Paschen Bros., contrs., 111 W. Washington, Chicago, Ill.
Paschke, August & Sons, 1345 Bellevue av, Detroit, Mich.
Pasco Tool Co., mill & factory supp., Atlanta, Ga.
Pasquini, Attello, contractor, Madison av & 42d, New York.
Pash, Martin, masons' & bldrs.' matls., Wanatah, Ind.
Pashley, Alfred F., architect, 431 S. Dearborn, Chicago, Ill.
Pasman Valve Co., Jersey City, N. J.
Pasold, John I., stone prod., Decatur, Ill.
Pasquale, B., & Co., badges & emblems, 115 Post, San Fran., Cal.
Pasqualetti, Joseph, contr., Humboldt Bk. bldg, San Francisco, Cal.
Pass, Geo., & Son, architects, Mankato, Minn.
Pass & Seymour, electric wiring devices, Solvay, N. Y.
Passadumkeag Lbr. Co., Passadumkeag, Me.
Passaic Artistic Iron Wks., Passaic, N. J.
Passaic Cotton Mills, tire fabrics, cotton duck, etc., 120 B'way, New York.
Passaic Knitting Wks., Garfield, N. J.
Passaic Metal Ware Co., enamel signs, Passaic, N. J.
Passaic Plumbing Supply Co., Passaic, N. J.
Passaic Print Wks., bunting & flag mfrs., Passaic, N. J.
Passaic Struct. Steel Co., Paterson, N. J.
Passe, F. J., brick, Preston, Minn.
Passman Bros., friction clutches, 30 S. Green, Chicago, Ill.
Passmore, H. T., lbr., Bath, Me.
Passolt, Hy., Co., potash, soap, Saginaw, Mich.
Passow & Sons, store fixtures, 2101 S. Allport, Chicago, Ill.
Passumpsic Fibre Leather Co., Passumpsic, Vt.
Pasteur-Chamberland Filter Co. See Am. Mfg. Co. (successor).
Pastoret Construction Co., Duluth, Minn.
Patapsco Guano Co., fertilizer mfrs., Fidelity bldg, Balto., Md.
Patapsco Iron Works, iron works, Ostend & Wicomico, Baltimore, Md.
Patapsco Oil & Grease Co., 109 Cheapside, Baltimore, Md.
Patch, A. H., agricultural implements, Clarksville, Tenn.
Patch, Dan, Co., children's vehicles, Connersville, Ind
Patch, F. R., Mfg. Co., machsts. & fndrs., Rutland, Vt.
Patch, S. B., & Sons Co., machsts. & fndrs., Streator, Ill.
Patchett, J. P., canned goods, Federalsburg, Md.
Patchett, Tom., machst., Stoneham, Mass.
Patchin, C. P., & Co., masons' & bldrs.' matls., Middlefield, O.
Patchogue Trunk Wks., Patchogue, N. Y.
Pate, Charles J., architect, Wichita Falls, Tex.
Pate, D. S., Lumber Co., 11 S. La Salle, Chicago, Ill.
Pate, Z. V., fertilizer, Laurel Hill, N. C.
Patek Bros., plate glass, 232 E. Water, Milwaukee, Wis.
Patent Brick Co., Merchant Exch., San Francisco, Cal.
Patent Button Co., Waterbury, Conn.
Patent Cereals Co., Geneva, N. Y.
Patent Novelty Co., clothes line reels, Fulton, Ill.
Patent Pearl Wks., buttons, 24 E 23d, New York.
Patent Specialty Supply Co., fdry. chaplets, Shushan, N. Y.
Patent Vulcanite Roofing Co., roofing, cements, felts, rubber, etc., 49th & Oakley av, Chicago, Ill.
Paterno & Son Contg. Co., 383 Mad. av, New York.
Paterson-Boardman & Knapp, plumbago, 10 Bridge, New York.
Paterson Clay Products Co., brick, Clearfield, Pa.
Paterson Crushed Stone Co., Morristown, N. J.
Paterson & Edey Lbr. Co., Inc., Mobile, Ala.
Paterson Fdry. Co., Paterson, N. J.
Paterson Forge Co., iron & steel, Bridgeport, Conn.
Paterson, Geo. B., buckwheat & wheat flour, Burdett, N. Y.
Paterson-Leitch Co., concrete reinforcing supplies, 936 E. 67th, Cleveland, Ohio.
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Paterson Parchment Paper Co., Passaic, N. J.

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rson Reed & Harness Co., Paterson, N. J.
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e Exchange, moving picture films, 25 W. 45th, New York.
e Freres Phono Co., talking machines, 18 E. 42d, New York.
escope Co. of America, searchlights, 33 W 42d, New York.
finder Co., automobile bildrs., Indianapolis, Ind.
ie, Wm., Co., metal signs, bronze tablets, etc., Worcester, Mass.
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arche & Bell, steel dlrs., 350 West, New York.
e Furnace Co., Springfield, Ohio.
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ck, Robt., Plumbing Co., htg. contrs., 3231 Cottage Grove av, Chicago, Ill.
ck & Shore, flour mills, Bodenham, Tenn.
zio & Hendrickson, contractors, 340 E. 27th, New York.
e Plow Co., Monmouth, Ill.
n Mfg. Co., machsts. & fndrs., Chattanooga, Tenn.
n Paper Co., Ltd., Appleton, Wis.
n, Paul B., Co., heating contrs., Salem, Mass.
rson, A. W., architect, Carthage, N. Y.
rson, Alex., masons' & bldrs.' matls., 3036 W. 6th, Cincinnati, Ohio.
rson, B. C., architect, Barnesville, Ohio.
rson Bros., mill & facty. supplies, wholesale hdwe., 27 Park row, New York.
rson Bros., potteries, Wellsville, Ohio.
rson Bros., lbr., Fifield, Wis.
rson Building Co., Akron, Ohio.
rson, C. A., architect, Winona, Minn.
son, C. R., & Sons, carriages, Greenfield, Ohio.
rson, C. T., Co., Ltd., mill & facty. supplies, 801 Tchoupitoulas, New Orleans, La.
rson, Carloss, architect, 127 Madison av, Memphis, Tenn.
rson, Chester A., architect, 50 E. 42d, New York.
rson, D. W., feed water purifiers, Harrison Bldg., Philadelphia, Pa.
rson, Daniel J., architect, 46 Kearny, San Francisco, Cal.
rson, Edward M., architect, 1 Montgomery, Jersey City, N. J.
rson Foundry & Machine Co., East Liverpool, Ohio.
rson, Fred'k A., architect, Bangor & Waterville, Me.
rson, G. W. S., & Co., varnish gums & wood oils, 135 Front, New York.
rson, Geo. B., Coal & Supply Co., masons' & bldrs.' matls., Wellsville, Ohio.
rson Glass Mfg. Co., window, Cameron, W. Va.
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rson, Gottfried & Hunter, whol. hdwe., 211 Center, New York.
rson, Harold F., architect, 363 Lexington av, New York.
rson, H M., architect, O. T. Johnson Bldg., Los Angeles, Cal.
rson & Harral, wholesale hdwe., 88 White, New York.
rson, Jas. E., & Co., masons' & bldrs.' matls., Wilkes-Barre, Pa.
son, J. J. H., lbr., Elkhart, Texas.
son Kelley Co., oil & grease extractors, feed water heaters, 26 Cortlandt, New York.
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son Lubricating Co., 114 Broad, Boston, Mass.
son Lbr. Co., Rainier, Ore.
son MacDonald Shipbldg Co., Seattle, Wash.
son Mfg. Co., agricultural implements, Holly, Mich.
son Mfg. Co., boxes curb, Keystone Bldg., Pittsburgh, Pa.
son Mfg. Co., cotton sheeting, China Grove, N. C.
son Mfg. Co., hammock mfrs., E. Indiana cor A, Philadelphia, Pa.
son, Melville C., architect, Decatur, Ill.
son Monumental Wks., stone producers, Bellevue, Ohio.
son-Sargent Co., paint mfrs., 1325 E. 38th, Cleveland, O.
son & Schroeder Supply Co., machsts.' tools, 560 W. Van Buren, Chicago, Ill.
son & Shaw, contractors, 30 E. Robinson, Pittsburgh, Pa.
son & Stirling, fndrs., Erie, Pa.
son, T. G., lbr., 637 W. 55th, New York.
son, T. H. (Est. of), masons' & bldrs.' matls., Joliet, Ill.
son, Thos. G., pack'g box mfrs., 637 W. 55th, New York.
son Tool & Supply Co., machinery dealers, Dayton, Ohio.
son, W. W., Co., tackle blocks, 54 Water, Pittsburgh, Pa.
ni, A. W., architect, 625 Market, San Francisco, Cal.
o Lumber Co., Atlanta, Ga.
Bros. Co., machinists, Marietta, Ohio.
son Mfg. Co., machsts. & fndrs., 48 Stanhope, Boston, Mass.
on, J. L., & Co., elec. light. fix. mfrs., 552 W. Jackson Blvd, Chicago, Ill.
n, Louis E., sash, door & blind, Webster, Mass.
n Oil Co., lubrg., 27 Woodward av, Detroit, Mich.

Pattison, Oscar A., contractor, N. Y. blk, Seattle, Wash.
Pattison, Warren C., architect, 637 Main av, Passaic, N. J.
Pattison, W. M., Supply Co., mill & facty. supplies, 777 Rockwell av, Cleveland, Ohio.
Patton-Black Mfg. Co., mattresses, Jackson, Tenn.
Patton Clay Mfg. Co., brick, etc., Patton, Pa.
Patton & Co., lbr. mfrs., Albany, N. Y.
Patton, Holmes & Flinn, architects, 8 S. Dearborn, Chicago, Ill.
Patton, Lewis C., architect, 597 5th av, New York.
Patton-MacGuyer Co., wire terminals, cable lugs, screw shells, fuse caps, small stampings, etc., 31 Mathewson, Providence, R. I.
Patton Paint Co., paint mfrs., 213 Lake, Milwaukee, Wis.
Patton, R. B., architect, South Pittsburg, Tenn.
Patton, R. J., & Co., flags, 222 E. 4th, Cincinnati, Ohio.
Patton, S. E., architect, 3520 Douglas, El Paso, Tex.
Patton, Wm., architect, Newark, Ohio.
Patton, Wm. Howe, architect, Parkersburg, W. Va.
Patzer, Arthur J., elec. contr., Stockton, Cal.
Patzig, August L., architectural photographers, 6 W. 36th, New York.
Paukin, John, Broom Co., Maumee, Ohio.
Paul, A. S., sash, door & blind, Cle Elum, Wash.
Paul, Andrew G., Co., htg. contrs., 131 State, Boston, Mass.
Paul, Andrew G., architect, 1518 W. 7th, Los Angeles, Cal.
Paul Bros. Co., contractors, Citizens' Bldg., Cleveland, Ohio.
Paul Casket Co., Combridge City, Ind.
Paul, Edw. E., Co., contractors, 101 Park av, New York.
Paul & Ford, architects, 220 S. 4th, Philadelphia, Pa.
Paul & Fulton, wire forms, 31 W. Kinzie, Chicago, Ill.
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Paul, G. A., cornices & skylights, Pana, Ill.
Paul & Henry Constr. Co., Barberton, Ohio.
Paul, Henry S., architect, Portsmouth, N. H.
Paul, J. C. & Co., metal polish, 930 Roscoe, Chicago, Ill.
Paul & Post, masons' & bldrs.' matls., Washington, Pa.
Paul Steam System, Hickox Bldg., Cleveland, Ohio.
Paul, W. E., cornices & skylights, Portsmouth, N. H.
Paulding John I., switches, receptacles, etc., New Bedford, Mass.
Paulding Lumber Co., Paulding, Ohio.
Paules, G. E., architect, Columbia, Pa.
Pauli, Augustus C., architect, 331 Madison av, New York.
Pauli, Frank M., Co., contractors, 40 Shipherd av, Detroit, Mich.
Pauli, Hermann, varnish gums, 80 Pine, New York.
Pauline, F. S., & Co., stone producers, Cannelton, Ind.
Pauline Mills, cotton damasks, Kings Mountain, N. C.
Pauline Oil & Fertilizer Co., cottonseed meal, Pauline, S. C.
Paulissen, J. P., contractor, Kankakee, Ill.
Paulissen Mfg. Co., sash, door & blind, Kankakee, Ill.
Paulsen, Hans, brick, Rock Island, Ill.
Paulsen, Hy. F., contrs., Rock Island, Ill.
Paulson, Thos., & Son, machsts. & fndrs., 97 2d av, Bklyn., N. Y.
Paulus, John, bags & suitcases, 655 N. May, Chicago, Ill.
Paulus, John D., architect, 4729 Northland av, St. Louis, Mo.
Paulus, Jos. C., & Co., mill & facty. supplies, 2507 Potter, Philadelphia, Pa.
Pauly Bros., patterns, Springfield, Ohio.
Pauly, Charles, architect, Edwardsville, Ill.
Pauly, Chas., & Son, architects, Granite City, Ill.
Pauly & Ipsen, contractors, Springfield, Mo.
Pauly Jail Bldg. Co., steel jail & cell work, 2215 De Kalb, St. Louis, Mo.
Paunack, Edw. F., stone contractor, Madison, Wis.
Paussek & Carr, glass stainers, St. Paul, Minn.
Pavania Oil Co., petroleum, Warren, Pa.
Pavyer Printing Mach. Co., Broadway Poplar, St. Louis, Mo.
Pawhuska Vitrified Brick & Tile Co., Pawhuska, Okla.
Pawling, Geo. F., & Co., contractors, 1432 S. Penn sq, Philadelphia, Pa.
Pawling & Harnischfeger Co., electric cranes, hoists, etc., Milwaukee, Wis. *See adv. index at end of book.*
Pawnee Land & Lumber Co., Pawnee, La.
Pawson, J. E., & Co., contractors, Yonkers, N. Y.
Pawtucket Braided Line Co., Pawtucket, R. I.
Pawtucket Mfg. Co., bolt, nut & rivet mfrs., Pawtucket, R. I.
Pawtucket Mordant Co., soluble oils, paste, etc., Pawtucket, R. I.
Pawtucket Sash & Blind Co., Pawtucket, R. I.
Paxson, Edward S., architect, 729 Walnut, Philadelphia, Pa.
Paxson, J. W., Co., foundry supplies & equipment, 1021 N. Delaware av, Philadelphia, Pa.
Paxton Canning Co., Paxton, Ill.
Paxton & Gallagher Co., wholesale hdwe. & machsts.' tools & supplies, Omaha, Nebr.
Paxton, John C., lime mfrs., Toms Brook, Va.
Paxton Lbr. Co., Inc., Bristol, Tenn.
Paxton-Mitchell Co., packing (metallic), Omaha, Neb.
Paxton & O'Neill, machsts., 541 N. 3d, Philadelphia, Pa.
Paxton, Price & O'Niell, seamless hosiery knitting machy., 541 N. 3d, Phila., Pa.
Paxton & Vierling Iron Wks., lamp posts, Omaha, Neb.
Paxton, Wm. L., sash, door & blind mfr., 128 Wakeman av Newark, N. J.
Pay, C. T., & Co., machsts., 307 S. Water, Providence, R. I
Paye & Baker Mfg. Co., silver novelties, North Attleboro, Mass

Payette Constr. Co., Sioux City, Ia.
Payne & Adams. See Payne & Griswold (successors).
Payne Bros., steel structural wk., cor. av D, Newark, N. J.
Payne Bldg. Co., 8th & Plume, Cincinnati, Ohio.
Payne Chase Co., mattress, Lincoln, Neb.
Payne & Co., excelsior mfrs. & sea moss, Dayton, Ohio.
Payne, E. C., Lumber Co., New Decatur, Ala.
Payne, E. F., & Son, fishing rods, Highland Mills, N. Y.
Payne, E. Scott, Co., whol. hdwe., 362 N. Gay, Baltimore, Md.
Payne & Estes, flour mills, Eubank, Ky.
Payne, F. S., Co., freight elevators, 295 Franklin, Boston, Mass.
Payne, F. T., cornices & skylights, Dallas, Tex.
Payne, Geo. F., & Co., contractors, 401 S. Juniper, Phila., Pa.
Payne, Geo. H., leaded glass, Paterson, N. J.
Payne, Geo. W., & Co., textile machy., Pawtucket, R. I.
Payne, Geo. W., & Son, architects, Carthage, Ill.
Payne & Griswold, architects, New London, Conn.
Payne, H. J., contractor, Caswell blk, Milwaukee, Wis.
Payne Mfg. & Canning Co., Payne, Ohio.
Payne Matthew Dental & Surgical Mfg. Co., surgical instruments, Yonkers, N. Y.
Payne R. W., common brick, Drakes Branch, Va.
Payne & Scammell, contractors, Land Title Bldg., Phila., Pa.
Payne, W. J., contractor, 7 Beltzhoover av, Pittsburgh, Pa.
Payne's Bolt Works, 133 Howard, San Francisco, Cal.
Payson Charles H., architect, Reliance bldg, Kansas City, Mo.
Payson, Geo. H., masons' & bldrs.' matls., Englewood, N. J.
Payson Mfg. Co., knobs, hinges, locks, door pulls, etc., 2918 Jackson blvd., Chicago, Ill.
Payson Varnish Co., 141st & Walnut av, New York.
Payton Bros. Lumber Co., Saline, La.
P. B. & H. Moulding Co., ornaments, Syracuse, N. Y.
P. B. Mfg. Co., outlet & meter boxes, 1624 Fratney, Milwaukee, Wis.
Pea Ridge Milling Co., Pea Ridge, Ark.
Peabody Anti-Dust Co., sweeping compounds, Peabody, Mass.
Peabody & Buland, lumber, Castle Rock, Wash.
Peabody Coal Co., 332 S. Michigan av, Chicago, Ill.
Peabody, E. A., & Son, contractors, Lawrence, Mass.
Peabody, Geo., Jr., contractor, Union Arcade bldg, Pittsburgh, Pa.
Peabody, Hy. W., & Co., hdwe. mfrs., shellac, etc., 17 State, New York.
Peabody Leather Co., machsts. & fndrs., Peabody, Mass.
Peabody, S. J., Lbr. Co., Columbia City, Ind.
Peabody School Furniture Co., North Manchester, Ind.
Peabody, Wilson & Brown, architects, 389 5th av, New York.
Peace Bros., contractors, 20 Main, Flushing, N. Y.
Peach Bottom Slate Co., roofing slate mfrs., Delta, Pa.
Peach, J. A., sporting & athletic gds. mfrs., Gloversville, N. Y.
Peacock Coal Co., Pomeroy, Ohio.
Peacock & Co., turpentine, Climax, Ga.
Peacock, Kelly & Co., turpentine, Vidalia, Ga.
Peacock Mill Co., flour, Freewater, Ore.
Peacon, Richard, & Co., mill & facty. supplies, plumbers' supplies, Key West, Fla.
Peagler, H. M., turpentine, Homerville, Ga.
Peak, C. W., wood alcohol, Peakville, N. Y.
Peak, Cyrus, stone producers, Long Eddy, N. Y.
Peak, Hy., butchers' blocks, Peabrook, N. Y.
Peak Lumber Co., sash, door & blind, Lynchburg, Va.
Peal, R., architect, 12429 Cedar rd, Cleveland, Ohio.
Peale-Coryell Lbr. Co., 949 B'way, New York.
Pearce Bros., contrs., Rockford, Ill.
Pearce, Chas. W., machsts., Scranton, Pa.
Pearce, F. T., Co., gold pens, 85 Sprague, Providence, R. I.
Pearce Fdry. Mach. Wks., Baton Rouge, La.
Pearce, Fred'k, Co., telegraphic instruments & elect'l apparatus, 20 Rose, New York.
Pearce, Geo. B., & Co., knitting mach., cylinders, etc., 2316 N. 8th, Philadelphia, Pa.
Pearce, H. B., architect, Arcade Bldg., Seattle, Wash.
Pearce, J. F. & Son, masons' & bldrs.' matls., ft of Eagle, St. Paul, Minn.
Pearce Mfg. Co., woolen blankets, Latrobe, Pa.
Pearce, W. H., & Co., meters, traps, etc., 333 S. Dearborn, Chicago, Ill.
Pearce, Wm., & Sons, machsts. & fndrs., Ogden, Utah.
Pearch, J., masons' & bldrs.' matls., Uhrichsville, Ohio.
Peare & Quiner, architects, 6 Beacon, Boston, Mass.
Pearl Art Works, toys, games & novelties, 673 W. Madison, Chicago, Ill.
Pearl City Veneer Co., Jamestown, N. Y.
Pearl Clay Products Co., brick, Bradford, Pa.
Pearl Cotton Mills, East Durham, N. C.
Pearl Roller Mill Co., Oswego, Kans.
Pearl Waist Co., Inc., knit goods, Cohoes, N. Y.
Pearlman, Victor S., & Co., elec. light fix. mfrs., 533 Wabash av, Chicago, Ill.
Pearsall, A. B., lbr., Red Springs, N. C.
Pearsall & Co., fertilizer, Wilmington, N. C.
Pearse, Howard, meat packers, W. 46th & Packers av, Chicago, Ill.
Pearson, A. E., & Son, canned goods, Lottsburg, Va.
Pearson, Andrew P., stone producers, Oil City, Pa.
Pearson, Carl H., sash, door & blind mfrs., 193 Wallabout, Brooklyn, N. Y.

Pearson Concretetile Co., Morristown, N. J.
Pearson, E. Martin, machsts., nailing tools, Robbinsdale, Minn.
Pearson, Fred, & Co., plushes, Leverington & Wilde, Phila., Pa.
Pearson, H. T., contractor, Danville, Va.
Pearson, Harry & Son, contractors, Duluth, Minn.
Pearson, J. C., cornices & skylights, Shelbyville, Ind.
Pearson, J. C., Co., cement coated wire nails, Old South Bldg., Boston, Mass.
Pearson, J. H., Supply Co., mill & facty. supplies, 79 White, New York.
Pearson Jack, Co., mfrs. jacks, 185 Franklin, Boston, Mass.
Pearson, Jno. W., Co., armatures, 839 W. Lake, Chicago, Ill.
Pearson, Jos. T., & Sons Co., tex. machy. (hosiery boards), packing box mfrs., 1815 E. Boston, Phila., Pa.
Pearson, Leroy, fndr., Portland, Pa.
Pearson & Ludascher Lbr. Co., Westmoreland & Delaware, Phila., Pa.
Pearson Mfg. Co., tubular boilers, 800 Beaver, Pittsburgh, Pa.
Pearson-Mowbray Co., masons' & bldrs.' matls., Spokane, Wash.
Pearson, Olaf & Son, bldg. contrs., Duluth, Minn.
Pearson & Son, masons' & bldrs.' matls., Beaver Falls, Pa.
Pearson, W. A., mill & facty. supplies, Holyoke, Mass.
Pearson, Walter, machst., Whitman, Mass.
Pearson's, Saml. S., Sons, cornices & skylights, Ottawa, Ill.
Peart, Nields & McCormick Co., lbr. mfrs., Harrison Bldg., Phila., Pa.
Pease, Austin W., architect, 465 Congress, Portland, Me.
Pease, C. F., Co., engineering & surveying instruments, 820 N. Franklin, Chicago, Ill. *See adv. index at end of book*
Pease, C. R., Construction Co., Bd. of Trade Bldg., Indianapolis, Ind.
Pease Co., granite prod., Milford, N. H.
Pease, E. H., Mfg. Co., grain car loaders, Racine, Wis.
Pease, F. B., Co., ladders, vacuum cleaners, Rochester, N. Y.
Pease, L. F., Co., loom aprons, yacht sails, 7 Crawford, Providence, R. I.
Pease Mfg. Co., sad irons, Cincinnati, Ohio.
Pease P. L. & Co., heaters, etc., Buffalo, N. Y.
Pease Piano Co., Leggett av & Barry, New York.
Pease, Sidney B., contr., Joliet, Ill.
Peaslee-Gailbert Co., plate glass; paint mfrs., Louisville, Ky.
Peaslee, Horace W., architect, 1504 5th, N. W., Washington, D. C.
Peaslee Lumber Co., Westville, N. H.
Peats, Alf., Co., wall paper, mfrs., 2132 B'way, New York.
Peavey Mfg. Co., axes, cant-dogs, etc., Bangor, Me.
Peavy-Byrnes Lumber Co., Shreveport, La.
Peavy-Wilson Lbr. Co., Pearson, La.
Pech, Gustave, Fdry. & Mfg. Co., archl. iron, Le Mars, Ia.
Peching Belting Co., Orchard & Torsdle, Phila., Pa.
Pechstein Iron Wks, Keokuk, Ia.
Peck, A. T., contr., Seymour, Conn.
Peck, A. W., & J. F., lumber mfrs., Gloversville, N. Y.
Peck, Anderson & Peck Co., heating contrs., Court & Sycamore, Cincinnati, Ohio.
Peck, Asa, & Co., cotton waste, 556 Atwells av, Providence, R. I.
Peck, Benj. T., plumbers' supplies—jobbers, 251 Eddy, Providence, R. I.
Peck & Benson, contractors, 31 Clinton, Newark, N. J.
Peck Brick Co., Haverstraw, N. Y.
Peck Pros., Co., whol. hdwe., Montpelier, Vt.
Peck Bros., & Co., plumbers' supplies—jobbers, New Haven, Conn.
Peck-Burkett Lumber Co., masons' & bldrs.' matls., Danbury, Conn.
Peck, C. A., Hdwe. Co., Christmas tree holders, Berlin, Wis.
Peck, C. L., & Sons, canned goods, Fincastle, Va.
Peck, C., & Son, stone producers, Toledo, Ohio.
Peck & Carmody, F. J., Lbr. Co., constr., Dunmore, Pa.
Peck, Chas. F., architect, 5 E. 42d, New York.
Peck, E. E. & Co., soft metal rivets, Batavia, N. Y.
Peck, Frank B., Co., whol. hdwe., Hornell, N. Y.
Peck Geo. F. Mfg. Co., pump valves, Chelsea, Mass.
Peck, Geo. W., Co., whol. hdwe., Bath, N. Y.
Pack Hardware Co., Canandaigua, N. Y.
Peck Iron & Steel Works, bands, Kalamazoo, Mich.
Peck, J. S., & Son, interior finish, Cardington, Ohio.
Peck, John L., & Co., machsts., New Haven, Conn.
Peck, Laurence F., architect, 101 Park Row, New York.
Peck Lbr. Mfg. Co., sash, door & blind mfrs., Scranton, Pa.
Peck & Lehmans, contrs., 779 Cherokee, St. Paul, Minn.
Peck & McKay, contractors, Brockton, Mass.
Peck, McWilliams & Co., masons' & bldrs.' matls., Norwich, Conn.
Peck & Mack Co., whol. hdwe., 356 B'way, New York.
Peck Mill & Grain Co., flour, Jefferson City, Tenn.
Peck, N. & W. J. Co., masons' & bldrs.' matls., 428 E. 48th, New York.
Peck & Peck, h'dwe, Coshocton, New York.
Peck Spring Company, mfrs. of small springs, Plainville, Conn.
Peck, Stow & Wilcox Co. (The), tobacco counter cutters, mechanics' hand tools, tinsmiths & sheet metal workers' tools, builders' hardware, Southington, Conn., & Cleveland, Ohio. *See adv index at end of book*
Peck, Theo. B., architect, 65 Bank, Waterbury, Conn.
Peck, W. E., & Co., mill & facty. supplies, 104 Pearl, New York

k & Hills Furniture Co., floor coverings, 135 S. Wabash av, Chicago, Ill.
k & White, carriages, Taunton, Mass.
ke & Pratt, canned goods, Hilton, N. Y.
kham Const. Co., Inc., Niagara Life bldg, Buffalo, N. Y.
kham F. W., brass & composition frd's, Boston, Mass.
kham, Harry, Jr., btg. contrs., 2345 W. 12th, Chicago, Ill.
kham Mfg. Co., metal surfacers, polishing leather, etc., 244 South, Newark, N. J.
kham, Wolf & Co., lumber mfrs., Schenectady, N. Y.
kinpah Lbr. Co., North Fork, Cal.
kinpaugh, Harrison & Co., plow beams, handles—wood, Alton, Ind.
sworth C. H. & R. C., contrs., 529 Hudson, New York.
ora Paint Co., 4th & Sedgley av, Phila., Pa.
os Valley Alfalfa Mill Co., Hagerman, N. Mex.
os Valley Farm Products Co., canned goods, Dayton, N. Mex.
os Valley Lbr. Co., Roswell, N. Mex.
oto Packing Co., canned goods, Indianapolis, Ind.
dle, Chas. R., architect, 136 S. 4th, Phila., Pa.
en Iron & Steel Co., San Antonio, Tex.
en, W. H., Excelsior Co., Fredericksburg, Va.
ersen, J. C., architect, Gering, Neb.
ersen Lubricator Co., surgical instruments, 636 1st av, New York.
ersen Mfg. Co., auto wrenches, 636 1st av, New York.
erson, C. C., architect, Jamestown, N. Y.
erson, C., & Son, machsts., La Crosse, Wis.
erson & Grobben, sash, door & blind mfrs., 594 National av, Milwaukee, Wis.
erson, Hans, contractors, Seattle, Wash.
erson, N. P., cornices, Tacoma, Wash.
igo & Garry, architects, Bluefield, W. Va.
rick, Geo. C., brick, Flemington, N. J.
rick, Harry Morrison, architect, Lansdowne, Pa.
rick Tool & Machine Co., 3640 N. Lawrence, Phila., Pa.
oles & Ferguson, architects, Law Bldg., Norfolk, Va.
oles Paving Brick Co., Portsmouth, Ohio.
Dee Brick & Tile Co., brick, Blue Brick, S. C.
& Velsor, powered licorice, 9 Gold, New York.
's, S. H., Sons, agricultural implements, East Aurora, N. Y.
skill Fire Brick Wks., Peekskill, N. Y.
skill Stone Co., Peekskill, N. Y.
ing, Geo., paint mfr., Joliet, Ill.
le Co., elevator & folding doors, gates, etc., Stewart av & Harrison pl, Brooklyn, N. Y.
oles Hdwe. Co., Savannah, Ga.
oles, J. W., lumber, Brooks, Ga.
os, Wm. H., architect, Charlotte, N. C.
Mfg. Co., steam & vertical engines, Comstock, Mich.
less Alloy Co., metals, Denver, Colo.
less Automatic Machine Co., bolt, nut & rivet machy., 1962 W. 77th, Cleveland, Ohio.
less Bedding Co., Bellefontaine, Ohio.
less Belt Lacing Mach. Co., Swanson & Moore, Phila., Pa.
less Belting Co., Indian Church rd, Buffalo, N. Y.
less Blue Print Co., architect'l & engng. supplies, 341 5th av, New York.
less Boiler Co., range boilers & heaters, 6-8 W. Lake, Chicago, Ill.
less Brass Fdy. Machy. Co., South Bend, Ind.
less Bread Machine Co., Sidney, Ohio.
less Brick Co., Lebanon, Pa., & Seattle, Wash.
less Brick Mach. Co., cement brick machines, 1234 Central av, Minneapolis, Minn.
less Brilliant Lamp Div. of G. E. Co., Warren, Ohio.
less Buggy Co., Owensboro, Ky.
less Carbon Black Co., 1st Nat'l Bk Bldg., Pittsburgh, Pa.
less Coal Co., McCormick bldg, Chicago, Ill.
less Coal & Coke Co., Vivian, W. Va.
less Color Co., aniline colors & dyestuffs, etc., Bound Brook, N. J.
less Drawn Steel Co., Massillon, Ohio.
less Elec. Co., machsts., 550 W. Harrison, Chicago, Ill., & Warren, Ohio.
less Engineering & Construction Co., 133 W. Washington av, Chicago, Ill.
less Exerciser Co., sporting goods, 383 Pearl, B'klyn, N. Y.
less Fertilizer Co., Chestertown, Md.
less Foundry Co., Carthage, Cincinnati, Ohio.
less Fdry. Co., Indianapolis, Ind.
ess Freezer Co., Winchendon, Mass.
less Granite Co., artificial stone laundry tubs, Town of Union, N. J., & Barre, Vt.
ess Handcuff Co., handcuff makers, Springfield, Mass.
less Heater Co., 5602 Baum blvd, Pittsburgh, Pa.
ess Husker Co., canning machy., 523 Cornwall av, Buffalo, N. Y.
ess Ice Machine Co., refrigerating machy., 503 S. Jefferson, Chicago, Ill.
ess Insulated Wire & Cable Co., 90 West, New York.
less Iron Pipe Exchange, Inc., mill & facty. supplies, 302 B'way, New York. *See adv. index at end of book.*
ess Key Co., 176 Fulton, New York.
ess Lthr. Spec. Co., advertis'g nov. & spec., 54 Greene, New York.
ess Light Co., gasoline lighting systems, 663 W. Washington blvd, Chicago, Ill.

Peerless Mach. Co., hack saws, etc., Racine, Wis.
Peerless Mach'y Co., 44 Binford, S. B., Boston, Mass.
Peerless Machinery Co., ventilators, air washed, 166 N. Clinton, Chicago, Ill. *See adv. index at end of book*
Peerless Mfg. Co., cameras, Norwalk, Conn.
Peerless Mfg. Co., machsts. & fndrs., Louisville, Ky.
Peerless Mfg. Co., paper towels & toilet paper, Norristown, Pa.
Peerless Mfg. Co., wire brushes, New Durham, N. H.
Peerless Marine Motor Co., 2150 Niagara, Buffalo, N. Y.
Peerless Mill Supply Co., 90 Pearl, Buffalo, N. Y.
Peerless Milling Co., flour, Parkersburg, W. Va.
Peerless Moistener Co., envelope moisteners, 824 S. Claremont av, Chicago, Ill.
Peerless Motor Car Co., Quincy av & E. 93d, Cleveland, Ohio.
Peerless Nut Co., 4300 Perkins av, Cleveland, Ohio.
Peerless Pacific Co., plumbers' supplies, jobbers, etc., 72 Front, Portland, Dre.
Peerless Paint & Varnish Co., Hippodrome Annex, Cleveland, O.
Peerless Paper Box Mfg. Co., 1137 W. 6th, Cleveland, Ohio.
Peerless Paper Co., book, Dayton, Ohio.
Peerless Pattern & Machine Works, Delaware, Ohio.
Peerless Pattern Wks. Co., 1368 E. 34th, Cleveland, Ohio.
Peerless Plush Mfg. Co., Paterson, N. J.
Peerless Portland Cement Co., Union City, Mich.
Peerless Printing Press Co., Palmyra, N. Y.
Peerless Range Boiler Corp., 108 S. La Salle, Chicago, Ill.
Peerless Roller Mills Co., flour, Austin, Minn.
Peerless Rubber Horseshoe Co., 1014 S. Kildare av, Chicago, Ill.
Peerless Rubber Co. See U. S. Rubber Co. (successor).
Peerless Sand Co., Oliver Bldg., Pittsburgh, Pa.
Peerless Selling Co., water closet mfrs., Evansville, Ind.
Peerless Slate Co., Delta, Pa.
Peerless Statuary Co., potteries, Rahway, N. J.
Peerless Steel Co., boilers, tanks, structural steel, etc., Ardmore, Okla.
Peerless Steel Shutter Co., Lyric bldg, Richmond, Va.
Peerless Stock Powder Co., sheep dips, insecticides, Falls City, Neb.
Peerless Stove & Mfg. Co., Columbus, Ohio.
Peerless Surface Mach. Co., 207 Market, Newark, N. J.
Peerless Tank & Seat Wks. machts. & fndrs., Evansville, Ind.
Peerless Thinner Co., turpentine substitute, Mt. Wash., Md.
Peerless Tire Fill Co., 539 Orleans, Chicago, Ill.
Peerless Tool Co., lifting jacks, 208 S. La Salle, Chicago, Ill.
Peerless Tube Co., collapsible tubes, Bloomfield, N. J.
Peerless Water Co., heaters, 7 Wood, Pittsburgh, Pa.
Peerless White Lime Co., Century Bldg., St. Louis, Mo.
Peerless Wire Fence Co., Adrian, Mich.
Peerless Wire Goods Co., Lafayette, Ind.
Peery, W. E., whol. hdwe., Tazewell, Va.
Peet Bros., Mfg. Co., soap, 15 & Kansas av, Kansas City, Mo.
Peet, C. D., common brick, Ithaca, Mich.
Peet & Schuster Co., cornices, Springfield, Ohio.
Peffer, E. Z., contractor, Wilkinsburg, Pa.
Peglar Machinery Co., machsts. & fndrs., Chattanooga, Tenn.
Pehrson, August, lumber, Ferndale, Wash.
Pehrson, G. A., archit., 816 Riverside, Spokane, Wash.
Peightan, Nevin, contractor, Hundington, Pa.
Peirce, A. H., cornices & skylights, Wellington, Ohio.
Pierce-Brown, Inc., iron, Tonawanda, N. Y.
Peirce City Lime Co., Peirce City, Mo.
Peirce, J., Co., granite prod., Greenp't av & Newt'n creek, Brooklyn, N. Y.
Pierce, T. J. H., architect, Indian Tr. bldg., Providence, R. I.
Peirce, W. E., & Co., mill & facty. supplies, Milford, N. H.
Peirce & Williams, masons & bldrs. matls., Bristol, Pa.
Pierson Hardware Co., Pittsfield, Mass.
Pejepscot Paper Co., 111 B'way, New York.
Pekin Canning Co., Salem, Ind.
Pekin Cooperage Co., Pekin, Ill.
Pekin Engine & Machine Works, Pekin, Ill.
Pekin Wagon Co., Pekin, Ill.
Pekor, Chas. F., throttle valves, Columbus, Ga.
Pekor Iron Works, Columbus, Ga.
Pelaggi, N., & Co., granite, Northfield, Vt.
Pelcher, Harry W., architect, Nat'l Bk. Bldg., Fort Richmond, N. Y.
Pelee Island Sand & Gravel Co., 1800 Scranton rd, Cleveland, O.
Pelham, Geo. F., architect, 200 W. 72d, New York.
Pelham Hod Elevat'g Co., 416 W. 26th, New York.
Pelham Mfg. Co., cotton duck & canvas, Pelham, Ga.
Pelham Mills, thread, twine (cotton), Pelham, S. C.
Pelham Oil & Fertilizer Co., Pelham, Ga.
Pelham Operat'g Co., hoist'b engines, 410 W. 26th, New York.
Pelican Bay Lbr. Co., Klamath Falls, Ore.
Pelican Box Factory, Miro & Julia, New Orleans, La.
Pelican Lake Oyster & Packing Co., Ltd., Houma, La.
Pelican Lumber Co., Ltd., Mound, La.
Pelican Sheet Metal Works, Lake Charles, La.
Pelkey, W. H., scythe stones, Fair Haven, Vt.
Pell City Mfg. Co., denims, Pell City, Ala.
Pell, F. Livingston, architect, 122 E. 25th, New York.
Pell, Geo. E., crude rubber, 68 Broad, New York.
Pellegrini, A., & Co., elec. & gas light fixture mfrs., 155 W. 29th, New York.
Pellett & Skinner, contractors, Brattleboro, Vt.
Pellez, F., lbr., Tomnolen, Miss.

Pelli, Alexander, & Co., marble interior wk., 509 E. 120th, New York.
Pelligreen Constr. & Inv. Co., Grand & Park av, St. Louis, Mo.
Pellston Planing Mills, lbr., Pellston, Mich.
Pelouze Mfg. Co., spring balances, 232 E. Ohio, Chicago, Ill.
Pels, Henry & Co., machinery dlrs., 90 West, New York.
Pelter, T. A., elec. contr., East San Diego, Cal.
Peltier, C. H., contractor, Faribault, Minn.
Peltier Glass Co., Ottawa, Ill.
Pelton Bros., masons' & bldrs.' matls., Herkimer, N. Y.
Pelton & Crane Co., surgical instruments, 246 Harper, Detroit, Mich.
Pelton, George E., & Co., typewriter ribbons, Georgetown, Ky.
Pelton, Henry Co., architect, 8 W. 38th, New York.
Pelton, R. B., contractor, 2906 Clinton av, Minneapolis, Minn.
Pelton Steel Co., elec. castings, 672 Kinnickinnic, Milwaukee, Wis.
Pelton Water Wheel Co., 19th & Harrison, San Francisco, Cal., & 90 West, New York.
Pelzer Mfg. Co., cotton sheetings, Pelzer, S. C.
Pember & Campaigne, architects, 24 James, Albany, N. Y.
Pemberton Co., cotton flannels, denims, Lawrence, Mass.
Pemble, Wm., & Sons, paper & pulp mills, Stillwater, N. Y.
Pembroke Roller Mills, flour, Pembroke, Ky.
Pemple Fr., cornices, 17 Bismarck, Boston, Mass.
Pemple, Geo. C., cornices & skylights, 27 Eustis, Boston, Mass.
Pen Carbon Mfg. Co., duplicatng app., New Brunswick, N. J.
Penberthy Injector Co., machsts. & brass fndrs., 346 Holden av, Detroit, Mich.
Penbryn Brick Co., Bridgeton, N. J.
Pence Automobile Co., 800 Hennepin av, Minneapolis, Minn.
Pence, John, steel structural work, West Alexandria, Ohio.
Pence Mailing Mach. Co., Minneapolis, Minn.
Pence, M. E., pearl buttons, Dallas City, Ill.
Pence, Wm. H., machst. & fndr., Fairfield, Ia.
Pencil Exchange, advtg. novelties, 73 Fleet, Jersey City, N. J.
*See adv. index at end of book.*
Pencil-Printing Co., 140 S. 4th, Philadelphia, Pa.
Pender, R. T., heaters, Lynn, Mass.
Pendleton Co., hatch & tackle blocks, 308 S. Water, Providence, R. I.
Pendleton & Gilkey, lbr., 954 McKnight Bldg., Minneapolis, Minn.
Pendleton Iron Wks., machsts. & fndrs., Pendleton, Ore.
Pendleton, Louis B., archt, Cen.. Nat. Bk. Bldg., St. Louis, Mo.
Pendleton Lumber Co., Santa Ana, Cal
Pendleton Oil Mill, meal, Pendleton, S. C.
Pendleton, S. H., Lumber & Mill Co., Santa Ana, Cal.
Pendleton & Townsend, sash, door & blind mfrs., Patterson, N. Y.
Pendleton Woolen Mills, Pendleton, Ore.
Pendleton, W. S., Jr., & Co., mill & facty. supplies, 164 Front, New York.
Penfield Mfg. Co., projectors, Meriden, Conn.
Penfield Saw Works, mach. knives, Bristol, Conn.
Penfield & Stone, flour mills, Camden, N. Y.
Penick & Ford, Ltd., canned goods, Whitney Bldg., New Orleans, La.
Penick, Hughes Co., whol. hdwe., Stamford, Tex.
Penick, R. A., & Son, whol. hdwe., South Boston, Va.
Peninsula Box & Lumber Co., Menominee, Mich.
Peninsula Iron Wks., St. Johns, Ore.
Peninsula Lbr. Co., Portland, Ore.
Peninsula Shipbuilding Co., Portland, Ore.
Peninsular Auto Parts Co., cam shafts, 46 E. Lafayette, Detroit, Mich.
Peninsular Box & Lbr. Co., shooks, Menominee, Wis.
Peninsular Brass Wks., machsts., Walter & Warren, Detroit, Mich.
Peninsular Casket Co., 23 Galster av, Detroit, Mich.
Peninsular Emery Wheel Co., 253 Meldrum, Detroit, Mich.
Peninsular Fertilizer Co., Palatka, Fla.
Peninsular Machy. Co., mill & facty. supplies, 279 E. Jefferson, Detroit, Mich.
Peninsular Milled Screw Co., 1090 Lafayette, Detroit, Mich.
Peninsular Naval Stores Co., Jacksonville, Fla.
Peninsular Paint & Varnish Co., St. Albin & M. C. R. R., Detroit, Mich.
Peninsular Paper Co., Ypsilanti, Mich.
Peninsular Portland Cement Co., Cement City, Mich.
Peninsular Shipbuilding Co., Portland, Ore.
Peninsular Smelting & Refining Co., 1385 W. Jefferson av, Detroit, Mich.
Peninsular Stove Co., 8th & Fort, Detroit, Mich.
Peninsular Tool Salvage Co., cutters (milling), 45 Fort, E., Detroit, Mich.
Penley, E. W., meat packers, Auburn, Me.
Penley, Gilman H., fndr. & machst., South Paris, Me.
Penman, Littlehales Chem. Co., ferrocyanide sodium, Syracuse, N. Y.
Pen-Mar Distilling Co., Waynesboro, Pa.
Penn, A. C., Inc., safety razor mfrs., 100 Lafayette, New York.
Penn-Allen Cement Co., Allentown, Pa.
Penn American Refining Co., Rouseville, Pa., & Oil City, Pa.
Penn Art Steel Wks., steel band boxes, waste baskets & letter trays, Erie, Pa.
Penn Beef Co., meat packers, 48 N. Delaware, Philadelphia, Pa.
Penn Boiler & Mach. Wks., Reading, Pa.
Penn Brass & Bronze Wks., machsts. & fndrs., 111 Dobbin, Brooklyn, N. Y.
Penn Bridge Co., machsts. & fndrs., Beaver Falls, Pa.
Penn Burner & Plating Co., Inc., gas heaters & logs, 214 W. Ohio, N. S., Pittsburgh, Pa.
Penn Button Wks., 13th & Hamilton, Philadelphia, Pa.
Penn Chemical Co., wood acids, Susquehanna, Pa.
Penn Chemical Wks., 1332 Washington av, Philadelphia, Pa.
Penn Coke Co., Uniontown, Pa.
Penn Const. Co., metallic furn., Marietta, Pa.
Penn Drilling Co., core drills, 1812 W. Carson, Pittsburgh, Pa.
Penn Electrical & Mfg. Co., machsts., Irwin, Pa.
Penn Enamel Sink Co., fndrs., Indiana, Pa.
Penn Engng. Co., mill & facty. supplies, 1119 N. Howard, Phila., Pa.
Penn Equipment Co., mill & facty supplies, Park Bldg., Pittsburgh, Pa.
Penn-Florida Lbr. Co., Phila., Pa.
Penn Fndry. Co., Johnston, Pa.
Penn Foundry & Mfg. Co., machsts. & fndrs., Basic, Va.
Penn Foundry & Mfg. Co., Reading, Pa.
Penn, H. M., Co., elec. & gas light fixtures, 306 Washington, Newark, N. J.
Penn Hdwe. Co., whol. hdwe., 521 Commerce, Phila., Pa.
Penn-Hardware Co., Reading, Pa.
Penn Iron & Coal Co., blast furnaces, Dover, Ohio.
Penn Iron Mining Co., ores, Philadelphia, Pa.
Penn-Keystone Co., pumice stone impts., 41 Union sq, New York.
Penn Lock Wks., 126 N. 4th, Philadelphia, Pa.
Penn Mfrs. Assn., Finance Bldg., Philadelphia, Pa.
Penn Mfg. Co., clothes bars, dryers, mop sticks & towel racks, North Girard, Pa.
Penn Mfg. & Supply Co., Wilkes-Barre, Pa
Penn Metal Ceiling & Roofing Co. (Ltd.), 23d & Hamilton, Philadelphia, Pa.
Penn Metal Co., sheet iron & steel building material, 65 Franklin, Boston, Mass.
Penn Mill Co., flour, Hanover, Pa.
Penn Mill & Mine Supply Co., 523 1st av, Pittsburgh, Pa.
Penn Mold & Mfg. Co., ingot molds, Wheeling Bk. & Trust Bldg., Wheeling, W. Va.
Penn Oil & Supply Co. (Ltd.), compounds, Oil City, Pa.
Penn Piston Ring Co., 203 St. Clair av, N. E., Cleveland, Ohio.
Penn Planing Mill Co., Reading, Pa.
Penn Refining Co., bicycle oils, Oil City, Pa.
Penn Pottery Co., plumbers' supp., Westmoreland & Tulip, Phila., Pa.
Penn Seaboard Steel Corp., steel castings, ingots, billets, blooms & anchors, Franklin Bank bldg, Phila., Pa.
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Penn Spring Wks., Baldwinsville, N. Y.
Penn Steel & Iron Corp., iron bar mills, Lancaster, Pa.
Penn Sumter Co., Sumter, S. C.
Penn Swing & Ladder Co., com. step ladder chairs, Lancaster, Pa.
Penn Tack Co., Norristown, Pa.
Penn Wheelbarrow Co., table lamps, 4741 Kansas, Pittsburgh, Pa.
Penn, Wm. H., contractor, Lowell, Mass.
Pennant Nov. Co., 322 B'way, New York.
Pennebaker-Turley, hosiery bands, labels, Chattanooga, Tenn.
Pennef, Arthur J. S., switchboards, 500 W. 144th, New York
Pennell, C. M., contractor, Council Bluffs, Ia.
Pennell, Edmond, lumber, Penna Bldg., Philadelphia, Pa.
Pennell, J. F., Inc., grey iron castings & forgings, 206 B'way, New York.
Penney, Albert W., contr. & bldr., New Haven, Conn.
Penney & Bunt, stone & granite producers, wkrs. & dlrs., Willow av. & 132d, New York.
Penney, Frederic Houghton, architect, Union Bk. Bldg., Pittsburgh, Pa.
Penney, J. W., & Sons Co., mill & facty. supplies, Mechanic Falls, Me.
Penniman, A. C., & Son, Hardware Co., Fort Scott, Kans.
Penniman & Browne, testing laboratories, 215 E. Fayette, Baltimore, Md.
Pennington, A. R., & Co., paper & pulp mills, Forestport, N. Y.
Pennington, Alfred, contractor, Plattsburgh, N. Y.
Pennington, C. S., contractor, 438 W. 45th, New York.
Pennington Canning Co., Pennington, N. J.
Pennington, Chas. S., architect, 14707 Lake av, Cleveland, Ohio.
Pennington, Pleasants, architect, 2 E. 41st, New York.
1699 Montgomery, San Francisco, Cal.
Pennington, Prince A., contractor, 138 W. 31st, New York.
Pennock & Brosius, masons' & bldrs.' matls., Avondale, Pa.
Pennock, Meda H., brick, Arlington, N. Y.
Pennock-Walter, Mfg. Co., wagon & carriage spokes, Algood, Tenn.
Pennoyer, J. C., Co., cooperage stock, 8 S. Dearborn, Chicago, Ill.
Pennsburg Mfg. Co., sash, door & blind, Pennsburg, Pa.
Pennsy Motors Co., Penn av, nr. Allegheny av, N. S., Pittsburgh, Pa.
Pa. Alcohol & Chemical Co., 136 N. Water, Philadelphia, Pa.
Pa. Blackboard Co., Slatington, Pa.
Pa. Boiler Wks., Erie, Pa.
Pa. Brake Beam Co., steel struct. mills, Danville, Pa.

Burial Case Co., coffins, etc., Reynoldsville, Pa.
Casket Co., 604 Diamond, Philadelphia, Pa.
Casting & Machine Co., 501 Preble, Pittsburgh, Pa.
Cement Co., Bath, Pa., & 30 E. 42d, New York.
Clay Co., brick, 421 Wood, Pittsburgh, Pa.
Coal Co., anthracite, Scranton, Pa.
Coal & Coke Corp., bituminous, Whitehall bldg, New York.
Coal & Supply Co., masons' & bldrs.' matls., Caswell blk., Milwaukee, Wis.
Construction Co., ballot boxes, guard rails, folding tables & electric booths, Marietta, Pa.
Cooperage Co., oil barrels, Oil City, Pa.
Crusher Co., Stephen Girard Bldg., Philadelphia, Pa.
Delaware Oil Co., 90 West, New York.
Door & Sash Co., 902 2d av, Pittsburgh, Pa.
Drop Forging Co., finished agrit. steel shapes, 937 French, Pittsburgh, Pa.
Elevator Co., Hartje Bldg., Pittsburgh, Pa.
Engineering Co., heating contrs. & steam fitters' supplies, Philadelphia, Pa.
Engng. Wks., machsts. & fndrs., New Castle, Pa.
Equipment Co., 2d hand R. R. equip., Crozer Bldg., Philadelphia, Pa.
Feldspar Co., Harrison Bldg., Philadelphia, Pa.
Fibreform Co., shipping cases, 119 S. 4th, Philadelphia, Pa.
Fire Brick Co., Beech Creek, Pa.
Fireproofing Co., Erie, Pa.
Flexible Metallic Tubing Co., Broad & Race, Phila., Pa.
Forge Co., Jenks & Bath, Philadelphia, Pa.
Furnace & Stove Co., Warren, Pa.
Gas Co., Oil City, Pa.
Gasoline Co., Bradford, Pa.
Glass Co., glass bottles, fruit jars, etc., Anderson, Ind
Glass Mfg. Co., shades & reflectors, 404 Diamond, Pittsburgh, Pa.
Glass Sand Co., 341 4th av, Pittsburgh, Pa.
Globe Gas Light Co., 1934 Market, Philadelphia, Pa.
Grinding Wheel Co., 4543 Wayne av, Philadelphia, Pa.
Hard Vein Slate Co., roofing slate mfrs., Easton, Pa.
Instrument Co., 618 Chestnut, Phila., Pa.
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Iron Wks., fndrs., Eddystone, Pa.
Knitting Mills, sweaters, 16th & Callowhill, Phila., Pa.
Lawn Mower Works, 1615 N. 23d, Phila., Pa.
Lubricating Co., 34th & A. V. R. R., Pittsburgh, Pa.
Lbr. Co., Sheffield, Pa.
Marble & Granite Co., West Grove, Pa.
Marine & Ordnance Castings Co., Wilmington, Del.
Mary Coal Co., bituminous, Bethlehem, Pa.
Match Co., Bellefonte, Pa.
Metal Culv. Co., Warren, Pa.
Military Coll., engng. school & coll., Chester, Pa.
Oil Co., lubrg., Erie, Pa.
Oil & Grease Co., mill & ftcy. supp., Atlanta, Ga.
Oil Products Ref. Co., Eldred, Pa.
Oiler Co., engine oilers, 250 Fulton, New York.
Optical Co., Reading, Pa.
Paraffine Wks., oils, etc., Titusville, Pa.
Petroleum & Supply Co., lubrg. oils, packing mfrs., 115 N. 4, Philadelphia, Pa.
Pneumatic Co., air compressors, Erie, Pa.
Pulverizing Co., flint, Lewistown, Pa.
Pump R. Co., machsts. & fndrs., North Side, Pittsburgh, Pa.
Pump R. Marine Shops, ft. 10th, Hoboken, N. J.
Range Boiler Co., 2024 N. 10th, Philadelphia, Pa.
Refining Co., petroleum, Karns City, Pa.
Rubber Co., Jeannette, Pa.
Salt Mfg. Co., chemicals, Widener Bldg., Philadelphia, Pa.
Safting Co., machsts. & fndrs., Spring City, Pa.
Silk Co., umbrella cloth, Bangor, Pa.
Slate Co., roofing slate mfrs., Slatington, Pa.
Smelting Co., 1st National Bank bldg, Pittsburgh, Pa.
Smelting & Refining Wks., babbitt metal, 906 Filbert, Philadelphia, Pa.
Soap Co., Lancaster, Pa.
Stamping Co., York, Pa.
State Coll., engng. school & coll., State College, Pa.
Steel Export Co., 940 N. Front, Phila., Pa.
Stone, Cement & Supply Co., masons' & bldrs.' supplies, Lancaster, Pa.
Stove Pattern Wks., 215 N. 2d, Philadelphia, Pa.
Stove & Range Co., Spring City, Pa.
Structural Slate Co., Inc., 309-311 Drake Bldg., Easton, Pa.
Tank Car Co., tank cars (all kinds), Sharon, Pa.
Tool & Mfg. Co., dies, jigs, etc., York, Pa.
Tuyan Powder Co., Allentown, Pa.
Tank Co., 2 Washington, Pittsburgh, Pa.
Window Glass Co., Kane, Pa.
Wire Glass Co., rough & skylight glass, Pa. Bldg., Philadelphia, Pa.
Wire Wks., refuse burners, 412 N. 18th, Philadelphia, Pa.
Woven Wire Co., woven wire fences, Lock Haven, Pa.
Wy Corp., couplings, Troy, Pa.
Wyckoff Geo. L., masons' & bldrs.' matls., Mattituck, N. Y.
Wyeth Isaac, contractor, Phelan Bldg., San Francisco, Cal.
Wyncker W. G., Jr., cooperage stock, Mutual Life Bldg., Buffalo, N. Y.
Yarmouth Chemical Fibre Co., 49 Federal, Boston, Mass.

Penobscot Lbr. & Box Co., Brewer, Me.
Penobscot Machy. Co., Bangor, Me.
Penoyar Lbr. Co., Igerna, Cal.
Penrhyn Slate Co., Hydeville, Vt.
Penrhyn Slate Co., Middle Granville, N. Y.
Penrod-Jurden & McCowen, lbr., Bk. of Commerce Bldg., Memphis, Tenn.
Penrod Walnut & Veneer Co., lbr. mfrs., Kansas City, Mo.
Penrose Motor, Inc., gas engines, Penna Bldg, Phila., Pa.
Pensacola Cooperage Co., Pensacola, Fla.
Pensacola Excelsior Co., excelsior mfrs., Pensacola, Fla.
Pensacola Gas Engine & Supply Co., Pensacola, Fla.
Pensacola Lumber & Timber Co., Pensacola, Fla.
Pensacola Mattress Co., Pensacola, Fla.
Pensacola Tar & Turpentine Co., Gull Point, Fla.
Pentecost, Geo. F., Jr., landscape architect, 15 E. 40th, New York.
Pentis, James & Son, contrs., Brookfield, Ill.
Penton Advtg. Co., spec., 400 Chestnut, Phila., Pa.
Pentucket Narrow Fabric Mills, Lowell, Mass.
Pentucket Wood Heel Co., Haverhill, Mass.
Penwarden, E. Darwin, chemicals, Carley Brook, Pa.
Peo, Leon L., & Co., motor boat bldrs., Cape Vincent, N. Y.
Peoples, Alfred D., mill & facty. supplies, Wilmington, Del.
Peoples Bros., masons' & bldrs.' matls. & contrs., 25th & Callowhill, Philadelphia, Pa.
Peoples & Cheney, architects, Haas Bldg., Los Angeles, Cal.
Peoples Coal & Masons' Supply Co., Lynn, Mass.
Peoples Cotton Oil Co., Lafayette, La.
Peoples Fertilizer Co., Bay Minette, Ala.
Peoples Gas Fixture Co., 6th & Main, Cincinnati, Ohio.
People's Hardware Co., Gary, Ind.
People's Hdwe Co., mill & facty. supplies, Muskegon, Mich.
Peoples Lumber Co., Salem, Ohio.
Peoples Lumber & Supply Co., Augusta, Ga.
Peoples Oil Co., Augusta, Ga.
Peoples Oil & Fertz. Co., Anderson, S. C.
Peoples Plumbing & Heating Supply Co., 490 Milwaukee, Chicago, Ill.
Peoples Scrap Iron & Metal Co., 1528 N. 2d, Minenapolis, Minn.
Peoples Standard Lbr. Co., Glendale, Ariz.
Peoples, U. J. L., architect, Nonan bldg, Pittsburgh, Pa.
Peoria Auto-Kot Co., Peoria, Ill.
Peoria Brick & Tile Co., Peoria, Ill.
Peoria Builders' Supply Co., Peoria, Ill.
Peoria Can Co., Peoria, Ill.
Peoria Casket Co., Peoria, Ill.
Peoria Coal Drill Wks., Peoria, Ill.
Peoria Cordage Co., Peoria, Ill.
Peoria Drill & Seeder Co., Peoria, Ill.
Peoria Elec. Fix. Co., Peoria, Ill.
Peoria Fdry. Co., Peoria, Ill.
Peoria Fuel Co., masons' & bldrs.' matls., Peoria, Ill.
Peoria Lounge & Mattress Co., Peoria, Ill.
Peoria Roofing Co., cornices, Peoria, Ill.
Peoria Stone & Marble Wks., 140 S. Dearborn, Chicago & Peoria, Ill.
Peoria Tent & Awning Co., 119 Main, Peoria, Ill.
Peoria Tractor Co., engines, Peoria, Ill.
Peoria Trunk Fcty., Peoria, Ill.
Pepin, Delos T., contractor, East Hampton, Mass.
Peppard, O. E., contractors, Missoula, Mont.
Pepper, J. H., brick, Middle Granville, N. Y.
Pepper, J. W., mill & facty. supplies, Madison, Wis.
Pepper, Jno., Sr., fishing tackle & rods, Rome, N. Y.
Pepperell Mfg. Co., cotton sheetings, Biddleford, Me.
Pepperton Cotton Mills, Jackson, Ga.
Peppler, Thos., Son & Co., agric. implts., Highstown, N. J.
Pequannock Valley Paper Co., Butler, N. J.
Pequanoc Rubber Co., Butler, N. J.
Pequaonnock Fdry., gray iron castings, Bridgeport, Conn.
Pequot Brass Foundry, Norwich, Conn.
Percival Iron Co., 232 Aliso, Los Angeles, Cal.
Percy & Small, ship bldrs., Bath, Me.
Perdido Lbr. Co., Millview, Fla.
Perdue, W. B., brick, Elba, Ala.
Pereira, Percival R., architect, 110 W. 40th, New York.
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Perey Mfg. Co., Inc., turnstiles, 30 Church, New York.
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Perfect Cornice & Roofing Co., 457 E. 180th, New York.
Perfect Floor Surfacing Co., 614 Race, Cincinnati, Ohio.
Perfect Gas Controller & Fix. Co., regulators, 10550 Prospect av, Chicago, Ill.
Perfect Mfg. Co., vehicle washers, Box 350, Albany, N. Y.
Perfect Safety Window Guard, clean'g appliances, 15 E. 40th, New York.
Perfect Stove & Mfg. Co., Belleville, Ill.
Perfect Tank & Seat Co., closet seats, Syracuse, N. Y.
Perfect Window Regulator Co., 20 Exchange pl, New York.
Perfection Bed Spring Co., Mansfield, Ohio.
Perfection Check Protector Co., Williamsport, Pa.
Perfection Concrete Stave Silo Co., Des Moines, Iowa.
Perfection Cooler Co., Michigan City, Ind.
Perfection Dyeing Machine Co., Columbus, Ga.
Perfection Furnace Pipe Co., Toledo, Ohio.
Perfection Grate & Supply Co., Springfield, Mass.

Perfection Mfg. Co. canvas aprons, wagon umbrellas, etc., Montclair, St. Louis, Mo.
Perfection Mfg. Co., cow milking machs., 2119 E. Hennepin, Minneapolis, Minn.
**Perfection Mfg. Co., toothpicks, River Rouge, Mich.**
Perfection Mfg. Co., veneer mfrs., Penobscot bldg., Detroit, Mich.
Perfection Machine Works, Inc., 18 Norris, Buffalo, N. Y.
Perfection Mattress & Spring Co., Birmingham, Ala.
**Perfection Metal Bar Co., store front const., 3321 Lorain av, Cleveland, Ohio.**
**Perfection Metal Products Co., road culverts, silos, tanks, etc., Topeka, Kans.**
Perfection Oil Co., lubrg., Olean, N. Y.
Perfection Shear Co., Bridgeport, Conn.
Perfection Piston Ring Co., Ravenna, Ohio.
Perfection Storage Battery Co., 500 E. 40th, Chicago, Ill.
**Perfection Supply Co., elect'l brushes, holders, etc., 98 Park pl, New York.**
Perfection Tire & Rubber Co., auto tires & tubes, Fort Madison, Iowa.
Perfection Tube Co., inner tubes, Painesville, Ohio.
**Perfection Vacuum Cleaner Co., 25 N. Jefferson, Chicago, Ill.**
Perfection Wood Steaming Retort Co., Parkersburg, W. Va.
Perfex Radiator Co., Racine, Wis.
Perforated Pad Co., hdwe. mfrs., Woonsocket, R. I.
Perforated Pattern Co., embroidery pattern perforating machy., 30 E. 20th, New York.
**Perine, M., & Sons, potteries, 1009 W. Baltimore, Baltimore, Md.**
**Perine Machinery Co., dlrs., Seattle, Wash.**
**Perine Plow Works, Topeka, Kans.**
**Perkes, Chas., Co., plumbers' supplies, jobbers, 627 Arch, Philadelphia, Pa.**
**Perkins Appliance Co., concrete hangers, Springfield, Mass.**
**Perkins, Arthur L., Co., mill, facty. & plumbers' supplies, 144 12th, Jersey City, N. J.**
**Perkins, B. F., carriages, Farmington, N. H.**
Perkins, B. F., & Son, paper & pulp machy., elec. disc fans, Holyoke, Mass.
**Perkins Box Co., packing, Gloucester, Mass.**
**Perkins Bros., machsts. & fndrs., Havana, Ill.**
Perkins Bros., lbr., Kelso, Ark.
**Perkins Bros. Co., pads & tablets, Sioux City, Ia.**
**Perkins Bros. Co., plate glass, sash, door & blind mfrs., 970 Westminster, Providence, R. I.**
**Perkins, C. N., Co., hook & ladder trucks, Lawrence, Mass.**
**Perkins-Campbell Co., harness, saddles, etc., 622 B'way, Cincinnati, Ohio.**
**Perkins, Chas., Co., machsts., 132 S. Clinton, Chicago, Ill.**
**Perkins, Chas. P., skiver knives, Brockton, Mass.**
**Perkins & Co., machsts. & fndrs., Grand Rapids, Mich.**
Perkins, Dwight H., architect, 814 Tower Ct, Chicago, Ill.
**Perkins, E. B., contractor, 133 W. Washington, Chicago, Ill.**
**Perkins Elec. Switch Mfg. Co., Bridgeport, Conn.**
Perkins, F. H., architect, Lumber Exchange bldg., Seattle, Wash.
Pergins, Fellows & Hamilton, architects, 814 Tower ct, Chicago, Ill.
Perkins Fdry. Co., Amsterdam, N. Y.
Perkins, Frank E., architect, 37 E. 28th, New York.
Perkins, Frank W., architect, 64 E. Van Buren, Chicago, Ill.
Perkins, F. S., Co., screw cutting lathes, Lowell, Mass.
Perkins, Geo. E., chemists, 1620 Smith, Providence, R. I.
Perkins Glue Co., Lansdale, Pa.
Perkins, Goodwin & Co., china clays, 33 W. 42d, New York.
Perkins Grinder Co., grinding machines, 706 American Trust Bldg., Cleveland, Ohio.
Perkins, H. F., stone producers, Lena, Ill.
Perkins, Hy., Co., machsts. & fndrs., Bridgewater, Mass.
Perkins, Isaiah W., carriage bodies, Lynn, Mass.
Perkins, J. A., architect, Haverhill, Mass.
Perkins, J. T., Co., press cloths, 669 Kent av, Brooklyn, N. Y.
Perkins & Jackson, contractors, Wheeling, W Va.
Perkins, Lloyd, stone polishing lathes, Middleboro, Mass.
Perkins & McWayne, architects, Sioux Falls, S. D.
Perkins Mfg. Co., iron architect & ornamental, fireproof doors, shutters, etc., University & Fairview avs, St. Paul, Minn.
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Perkins Mfg. Co., lumber, Augusta, Ga.
Perkins Marine Lamp Co., 1943 Pitkin av, Brooklyn, N. Y.
Perkins Oil Co., Memphis, Tenn.
Perkins Sash & Door Co., Augusta, Ga.
Perkins Steel Co., 143 Liberty, New York.
Perkins, S. W., lumber, Fairlee, Vt.
Perkins, T. C., architects, 362 Bement av, West New Brighton, N. Y.
Perkins, W. J., flour, Helton, N. C.
Perkins Wind Mill Co., wind mill & gasoline engine mfrs., Mishawaka, Ind
Perkinson Bros., Constr. Co., 3237 Carter av, St. Louis, Mo.
Perkinson & Brown, cornices, 412 N. Lincoln, Chicago, Ill.
Perkinson & Finn, contractors, Petersburg, Va.
Perkiomen Crushed Stone Co., Green Lane, Pa.
Perkiomen Paper Co, Pennsburg, Pa.
Perks, John, contractor, Scranton, Pa.
Perl Bros., architects, N. Y. Life Bldg., Minneapolis, Minn.

Perley, A. P., lbr., Williamsport, Pa.
Perley & Crockett, lbr., Black Mt., N. C.
Perlman, A., Iron Wks., Inc., 1725 West Farms rd, New York.
Permalize Storage Battery Co., Indianapolis, Ind.
Perlstein, Morris, architect, 49 Fulton, Middle Village, Long Island, N. Y.
**Permanent Advtg. Co., signs, cardboard, Reading, Pa.**
**Permutit Co., water softening app., 440 4th av, New York.**
Pero Fndry. Co., Worcester, Mass.
Pero & Stoecker, fertilizer mfrs., Louisville, Ky.
Peroilat Bros., mill & facty. supplies, 331 W. Mad., Chicago, Ill.
**Perolin Co. of America, boiler compounds, 1112 W. 37th, Chicago, Ill.**
**Perpente Mfg. Co., hdwe. mfrs., New Haven, Conn.**
Perrigo, A. B., coffins, etc., 3913 Cottage Grove av, Chicago, Ill.
**Perrin, Seamans & Co., steamfitters' supplies, 57 Oliver, Boston, Mass.**
Perrin, W. M., architect, Miller bldg, Yakima, Wash.
Perrin, Wm. R., & Co., filter presses & hydraulic presses, etc., 37 W. Van Buren, Chicago, Ill.
Perrine-Armstrong Co., lumber mfrs., Ft. Wayne, Ind.
Perrine, Atwood, masons' & bldrs.' matls., Harrison, Ohio.
Perrine & Buckelow, masons' & bldrs.' matls., Jamesburg, N. J.
Perritt Iron & Roofing Co., cornices, Rosedale & P. R. R., Pittsburgh, Pa.
Perrizo & Sons, lbr. mfrs., Daggett, Mich.
Perrow-Evans Hardware Co., Lynchburg, Va.
Perry, A. G., Plow Co., machsts. & fndrs., Coldwater, Miss.
Perry, A. P., Lbr. Co., McIntosh, Wash.
Perry, A. W., contr. & bldr., Stonington, Conn.
Perry-Austen Mfg. Co., paint remover, Grasmere, S. I., N. Y.
Perry Bros., contractors, Montgomery, Ala.
Perry Bros., granite producers, Concord, N. H.
Perry & Brown, cornices & skylights, Putnam, Conn.
Perry, Buxton, Doane Co., second-hand pipe, First, Boston, Mass.
Perry, C. H., machst. & fndr., Miami, Fla.
Perry, C. T., & Co., soap, Helena, Mont.
Perry, Chas. B., contractor, 3022 14th, N. E., Washington, D. C.
Perry, Chas. E., paper, 77 Washington, N. Boston, Mass.
Perry County Coal Corp., Boatmen's Bk. bldg, St. Louis, Mo.
Perry, D. S., & Co., corn brooms, Urbana, Ohio.
Perry-Derrick Varnish Co., 1660 Central av, Cincinnati, Ohio.
Perry, E. C., & Son, contractors, Duluth, Minn.
Perry, Emerson E., contractor, Attleboro, Mass.
Perry, F. A., Warehouse, fertilizer, Sale City, Ga.
Perry, F. W., Machine Co., Youngstown, Ohio.
Perry-Fay Mfg. Co., screw machine products, Elyria, Ohio.
Perry-Fraser Lbr. Co., Noxapater, Miss.
Perry, G. F., & Sons, masons' & bldrs.' matls., 261 Fabyan, Newark, N. J.
Perry, Geo. W., contractor, Ithaca, N. Y.
Perry Glove & Mitten Co., Perry, Mich.
Perry Grain & Cement Co., masons' & bldrs.' matls., Vicksburg, Miss.
Perry Granite Co., Waterbury, Vt.
Perry, H. M., cornices, 218 George, New Haven, Conn.
Perry-Hanna Mercantile Co., charcoal, Beaty, Ark.
Perry & Henderson, flour mills, Connellsville, Pa.
Perry Iron Co., blast furnaces, Erie, Pa.
**Perry, J. P., & Co., steamfitters' supplies, 276 Devonshire, Boston, Mass.**
Perry, James H., architect, 349 S. 4th, Mount Vernon, N. Y.
Perry, Jno. W., & Sons, tubular boilers, Syracuse, N. Y.
Perry Mfg. Co., masons' & bldrs.' matls., Perryopolis, Pa.
Perry Mill Co., flour, Perry, Okla.
Perry, O. H. & Son, canned goods, Manlius, N. Y.
Perry Oil Co., soap, Pawtucket, R. I.
Perry Packing Co., canned goods, Perry, Ia.
Perry, Samuel F., architect, Rocky Mount, N. C.
Perry Stone Co., Ellettsville, Ind.
**Perry Ventilator Corp., passenger car ventilator mfrs., 2 Devonshire, Boston, Mass.**
Perry-Victoria Sand Co., Buffalo, N. Y.
**Perry, W. A., Contracting Co., 406 S. Main, Los Angeles, Cal.**
Perry, W. C., architect, 260 California, San Francisco, Cal.
**Perry, W. D., cross ties, Longstreet, La.**
**Perry, W. G., architect, 19 Congress, Boston, Mass.**
Perry, Walter E., architect, 64 E. Van Buren, Chicago, Ill.
Perry, Wm. H., Lbr. Co., 1821 Gilbert av, Cincinnati, Ohio.
Perrysburg Tile & Brick Co., Perrysburg, Ohio.
Perrysville Stove Works, machsts. & fndrs., Perrysville, Ind.
Persault, Moses J., fndr., Fitchburg, Mass.
Perseverance Iron Fndry. Co. (Ltd.), Passyunk & Federal, Philadelphia, Pa.
Persina, C. David, architect, 1711 Van Buren, New York.
Persinger Hdwe. & Furniture Co., mill & facty. supplies, Williamson, W. Va.
Perske, Frank, cornices & skylights, 439 E. 92d, New York.
Persley, L. H., architect, Macon, Ga.
Persons-Arter Machine Co., surface grinders & magnetic chuck mfrs., Worcester, Mass.
Persons Mfg. Co., bicycle saddles, 344 Franklin, Worcester, Mass.
Persons, W. O., masons' & bldrs.' matls., Montclair, N. J.
Perth Amboy Chemical Wks., formaldehyde, Perth Amboy, N. J.
Perth Amboy Dry Dock Co., machsts., Perth Amboy, N. J.

Amboy Fire Brick Co., sand & gravel dlrs., 114 Liberty, ew York.
Amboy Fndry. & Mach. Co., Perth Amboy, N. J.
Amboy Hdwe. Co., mill & facty. supplies, Berth Amoy, N. J.
Amboy Tile Wks., Perth Amboy, N. J.
Auto Parts Mfg. Co., machsts. & fndrs., Peru, Ind.
Basket Co., Peru, Ind.
Canning Co., Peru, Ind.
Canning & Mfg. Co., Peru, Nebr.
Construction Co., Peru, Ill.
Electric Co., electrical mechanical porcelain spec., Peru, id.
Lumber Co., Peru, Ind.
Milling Co., flour, Peru, Ind.
Plow & Wheel Co., Peru, Ill.
an Guano Corp., Charleston, S. C.
r, H. N., Co., advtg. spec., Providence, R. I.
tin Lbr. Co., Peshastin, Wash.
go Lumber Co., Peshtigo, Wis.
ma Electric Incubator Co., Petaluma, Cal.
le, Emmet, masons' & bldrs.' matls., Middleburg, N. Y.
Car Co., machsts. & fndrs., Minneapolis, Minn.
Alfred, 238 Washington, Newark, N. J.
Bros., Mfg. Co., tapping & abrasive metal cutting maines, Algonquin, Ill.
& Burghard Stone Co., Louisville, Ky.
F. N., & Bros., machsts. & fndrs., Newside, Pa.
& Guckenberger, cordage & twine mfrs., 1205 Budd., Cinnati, Ohio.
H. A., Supply Co., mill & facty. supplies, Paducah, Ky.
McCain Lbr. Co., Butler, Tenn.
& Melcher Steam Stone Wks., Louisville, Ky.
& Volz Co., machsts. & fndrs.—desk mfrs., Arlington eights, Ill.
W. G., architect, 520 13th, N. W., Washington, D. C.
in, John B., architect, 220 W. 42d, New York.
an, A. J., sashes, doors & blinds., Fredericksburg, Ohio.
an Mfg. Co., lbr., sash, door & blind, Tacoma, Wash.
Bossert Co., machsts., 617 E. Pearl, Cincinnati, Ohio.
& Bradley Mill Co., flour, Knoxville, Tenn.
Buggy Co., carriages, 330 W. Spring, Columbus, Ohio.
Cartridge Co., 1st National Bank Bldg., Cincinnati, O.
Co., gummed cloth, paper & tapes, 33 35th, Bklyn, N. Y.
David, & Son Fence & Gate Co., Homer, Ill.
E. D., & Sons, roofing slate mfrs., Slatington, Pa.
E. E., Mach. Co., Springfield, Ohio.
E. J., architect, Shawnee, Okla.
Edw. D., metallurgical engrs., 38 Percival, Boston, Mass.
Eichler Htg. Co., 1516 Pine, St. Louis, Mo.
F. J., architect, Pantages bldg, Chicago, Ill.
Frank L., masons' & bldrs.' matls, Saegertown, Pa.
G. A., Realty Co., contrs., Union Trust Bldg., Cincinti, Ohio.
G. H., Co., cornices, 293 Oak, Buffalo, N. Y.
H. A., Co., contractors, 19 S. La Salle, Chicago, Ill.
H. J., Co., elec. light fix. mfrs., 324 W. Superior, Chigo, Ill.
Harness & Saddlery Co., 364 Mulberry, Newark, N. J.
Hy., Brass Fdry. Co., Aurora, Ill.
Herman, & Bros., architects, Reibold Bldg., Dayton, O.
Home Bldg. Co., 654 McKnight, Minneapolis, Minn.
I. A., contractor, N. W. Bank Bldg., Portland, Ore.
Jas., & Son., hdwe. mfrs., 1934 N. Front, Phila., Pa.
John., meat packers, Williamsport, Pa.
John M., Jr., lumber mfr., Bleecker, N. Y.
Jno. M., Sons, wood novelties, Bleecker, N. Y.
L. W., contractor, 785 Euclid av, St. Louis, Mo.
Machine & Mfg. Co., 7320 Madison av, Cleveland, Ohio.
Machine Wks., machsts. & fndrs., Kelso, Wash.
Mill Work & Lumber Co., sash, door & blind, Carter rd. eveland, Ohio.
Nicholas D., & Co., contractors, 301 Kossuth av, Utica, Y.
Oil & Compound Co., 356 Clinton, Milwaukee, Wis.
Packing Co., meat, McKeesport, Pa.
Pump Co., Kewanee, Ill.
R. G., Salt & Lbr. Co., Eastlake, Mich.
& Reed Pottery Co., Zanesville, Ohio.
Trimming Co., fringes, 923 Fulton, Chicago, Ill.
White & Co., caustic chem., 55 John, New York.
Wm. C., cornices & skylights, 1859 Carter av., New York
& Herron Co., talking machy., 2016 S. High, Columbus, io.
& Probst, mason contrs., Coscob, Conn.
urg Excelsior Mills, Petersburg, Va.
urg Fire Brick & Tile Co., Coal Grove, Ohio.
urg Hardware Co., Petersburg, Va.
urg Packing Co., canned goods, Seattle, Wash.
urg Rim & Veneer Co., spokes, Petersburg, Va.
urg Sand & Gravel Corp., Petersburg, Va.
urg Sanitary Canning Co., Petersburg, Ind.
urg Trunk & Bag Co., Petersburg, Va.
n, A., Desk Co., 426 Armour, Chicago, Ill.
n, Anker, textile machy., 330 Atlantic av, Boston, Mass.
n, H. L., contr., 735 Treat, San Francisco, Cal.
n, Jens. C., architect, Traverse City, Mich.
n Oven Co., 537 S. Dearborn, Chicago, Ill.

Petersen, Walter, contractor, Nat. Fld. & Cas. Bldg., Omaha, Neb.
Peterson, A., lumber, Soldiers' Grove, Wis.
Peterson Art Furniture Co., Faribault, Minn.
Peterson, Bell & Co., lumber mfrs., Clinton, Ia.
Peterson Bros., contractors, New Rochelle, New York.
Peterson Bros., lumber, Camas, Wash.
Peterson, C. E., Co., sash, door & blind mfrs., 4914 Wentworth av, Chicago, Ill.
Peterson, Chas., Co., contractors, Keystone Bldg., Pittsburgh, Pa.
Peterson, Chas. E., contractor, 3934 Wyoming, Kansas City, Mo.
Peterson, Chas. J., & Co., switchboards, 725 Fulton, Chicago, Ill.
Peterson & Clark, architects, Steubenville, Ohio.
Peterson, Clifford, Tool Co., mill & factory supplies, 606 W. Randolph, Chicago, Ill.
Peterson, Edward, Co., contractors, W. O. W. Bldg., Omaha, Neb.
Peterson, F. W., Co., wood turners, 68 Greene, New York.
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Peterson, Geo., contractor, Burlington, Ia.
Peterson, Gust, architect, Manistee, Mich.
Peterson & Hiss Co., masons' & bldrs.' matls., Sandusky, Ohio.
Peterson, J., Co., organs, pianos, Moline, Ill.
Peterson & Johnson, architects, Swedish Am. Bldg., Rockford, Ill.
Peterson, Leonard & Co., labratory furniture, 1234 Fullerton av, Chicago, Ill.
Peterson & Joyner, whol. hdwe., Petersburg, Va.
Peterson & Loveland, machsts., Woodstown, N. J.
Peterson Lumber Co., sash, door & blind, Warsaw, Ind.
Peterson Mfg. Co., agricultural implements, Kent, Ohio.
Peterson, Martin, common brick, Barronette, Wis.
Peterson-Miller Box Co., egg cases, Cairo, Ill.
Peterson, N. F., steam htg. contr., 2525 3d av, New York.
Peterson, P. H., contr., Wataga, Ill.
Peterson, P. L., contractor, Spokane, Wash.
Peterson, P. N. Granite Co., Park & Wabasha, St. Paul, Minn.
Peterson, Peter, contractor, Moline, Ill.
Peterson, Robt. M., contractor, 5250 Wakefield, Germantown, Phila., Pa.
Peterson, S. C., architect, 445 E. 58th, Portland, Ore.
Peterson, Sam'l, handles, neck yokes, etc., Warren, Pa.
Peterson & Screen, contrs., 39 S. La Salle, Chicago, Ill.
Peterson, Simon, Brick, Benson, Ill.
Peterson, V. S., contractor, 237 Essex, Salem, Mass.
Peterson, Wm. F., contractor, 25 W. Jackson blvd., Chicago, Ill.
Petertyl, Victor, insulator pins & braces, Traverse City, Mich.
Petgen Co., glass mosaic wk., 6709 Hamilton av, Pittsburgh, Pa.
Petigor, M. H., soda water fountains, 434 Water, New York.
Petley Rubber Mfg. Co., 247 Oregon, Milwaukee, Wis.
Petrel Motor Car Co., 1st & Oklahoma av, Milwaukee, Wis.
Petrik, J. F. & Sons, mattresses, Topeka, Kan.
Petrikin, J. G., architect, Cambridge, Ohio.
Petrillo, Rocco S., elec. contr., New Haven, Conn.
Petro Pulp Floor Co., Grand av Temple, Kansas City, Mo.
Petrolene Co., floor coverings, Whiting, Ind.
Petroleo Co., lubrg. oils, Waterford, N. Y.
Petroleum Age, trade publication, 20 W. Jackson blvd, Chicago, Ill.
Petroleum Engine & Mfg. Co., 120 B'way, New York.
Petroleum Heat & Power Co., fuel oil burners, 511 5th av, New York.
Petroleum Iron Works Co., The, steel plate const., Sharon, Pa.
Petroleum Products Co., lubrg. oils & greases, 51 Front, New York.
Petroleum Products Co., petroleum products, 3917 Neville, Pittsburgh, Pa.
Petroleum Refining Co., 156 N. La Salle, Chicago, Ill.
Petroleum Supply Co., mill & facty. supplies, Steubenville, O.
Petrolia Refining Co., benzine, petroleum, etc., Petrolia, Pa.
Petrossi, Louis, sewer contr., Hartford, Conn.
Petry, Jno. W., Co., mill & facty. supplies, 87 5th, Long Island City, N. Y.
Petry, Louis M., architect, White Plains, N. Y.
Petry, N. A., Co., brass castings, 1309 Race, Phila., Pa.
Pette, John P., architect, 131 Jackson, Trenton, N. J.
Pettebone-Cataract Paper Co., Niagara Falls, N. Y.
Pettebone, Jacob S., archt., Security Nat. Bk. Bldg., Wilkes-Barre, Pa.
Pettee, W. J., & Co., whol. hdwe., Oklahoma, Okla.
Petterson, Edw., coppersmith, 231 South, New York.
Petterson, L. M., contractor, 21 Edward, Worcester, Mass.
Petterson & Persson, contractors, 62 Post, San Francisco, Cal.
Pettes & Randall Co., watchman's clocks, 150 Nassau, New York.
Petteway, H. H., turpentine & rosin, Wauchula, Fla.
Petteway Turpentine Co. See Petteway, H. H. (successor)
Pettibone Bros., Mfg. Co., employes' uniforms, 626 Main, Cincinnati, Ohio.
Pettibone Mulliken & Co., machsts. & fndrs., 140 S. Dearborn, Chicago, Ill.
Pettigrew Fdry Co., grey iron castings, Harvey, Ill.
Pettigrew, Wm., machst. & fndr., Everett, Pa.
Pettingell-Andrews Co., spark plugs, 166 Pearl, Boston, Mass.
Pettingell Machine Co., Amesbury, Mass.
Pettingill, Geo. S., brick, Lewiston, Me.
Pettinos, Chas. E., graphite refiners, etc., 25 Church, New York.
Pettis, B. H., Co., scrap iron, 102 Harris av, Providence, R. I.

**PETTIS, W. W., CO.**, castings, forgings, etc., 416-417 First Nat'l. Bank bldg, Cincinnati, Ohio.
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Pettit, B. G., masons' & bldrs.' matls., Crooksville, Ohio.
Pettit & Co., brick, New Brunswick, N. J.
Pettit & Co., lamp wicks, Lockport, N. Y.
Pettit & Cook Co., brick, South River, N. J.
Pettit Feather & Bedding Co., Portland, Ore.
Pettit & Firestone, Charles E., Co., architects, Canton, Ohio.
Pettit, Frank, Ornamental Iron Wks., bank railings, 809 Master, Phila., Pa.
Pettit, Marshall & Co., Inc., imptrs. & exptrs., sugar beet seed, flux, etc., 8 Bridge, New York.
Pettler, P., & Son, mill & facty. supp., Beaver Falls, Pa.
Pettler Steel Mat & Mfg. Co., iron settees, Beaver Falls, Pa.
Pettler Wire Products Co., Beaver Falls, Pa.
Petty, J. A., contractor, 607 Godchaux, New Orleans, La.
Petty, J. A., lumber, Sycamore, Ohio.
Petty, J. K., & Co., boilers, tanks, etc., Stephen Girard Bldg., Phila., Pa.
Petty, Wm., stone producers, McKees Rocks, Pa.
Pettyjohn Co., machsts., Terre Haute, Ind.
Pettyjohn, J. P., & Co., contractors, Lynchburg, Va.
Petz Construction Co., 207 N. Market, Newark, N. J.
Petzelt & Keyser, carriages, 24th & Locust, Phila., Pa.
Petzold, Herman H., architect, Lawrence, Mass.
Peuchen, Stanley C., belt dressing, N. Tonawanda, N. Y.
Peuchot, A., Inc., importer, methylene blue, 120 W. 31st, New York.
Peuckert & Wundert, trchitects, 310 Chestnut, Phila., Pa.
Peugeot Auto import Co., 1620 B'way, New York.
Pevear, Everett S., bldg. contr., 486 Chestnut, Lynn, Mass.
Pevear, W. H., & Co., masons' & bldrs' matls., Watertown, Mass.
Peverley Bros., marble producers, 1215 Filbert, Phila., Pa.
Pevey Fndry. Co., Lowell, Mass.
Pewabic Co., iron ores, Milwaukee, Wis.
Pewabic Pottery Co., 2161 Jefferson E., Detroit, Mich.
Peyton, John B., lbr., Trinity, Tex.
Peytona Lbr. Co., Huntington, W. Va.
Pfaelzer, L., & Sons, meat packers, 3927 S. Halsted, Chicago, Ill.
Pfaender Bros., contractors, Toledo, Ohio.
Pfaff, Geo., mill & facty. supplies, 109 Lafayette, New York.
Pfaff, J. & Son, contrs., Frankfort, Ill.
Pfaff & Kendall, fndrs., 655 Ferry, Newark, N. J.
Pfaller, Frank, machsts. & fndrs., 6947 Susquehanna, Pittsburgh, Pa.
Pfaltz & Bauer, chem. & glues, 300 Pearl, New York.
Pfaltzgraff Pottery Co., flower pots, York, Pa.
Pfannmueller Engineering Co., 38 S. Dearborn, Chicago, Ill.
Pfanstiehl Co., rare metals & electrical specialties, North Chicago, Ill.
Pfarr & Hobart Co., masons' & bldrs.' matls., Akron, Ohio.
Pfau Mfg. Co., brass fndrs., Mentor & Huston, Norwood, Cincinnati, Ohio.
Pfaudler Co., glass enamelled steel tanks, Cutler Bldg., Rochester, N. Y.
Pfau's, Geo., Sons Co., lard oils, Jeffersonville, Ind.
Pfeffer, Jacob, masons' & bldrs.' matls., 10 Vernon av, Long Island City, N. Y.
Pfeffer, Mrs. P., brick, Gainesville, Ga.
Pfeifer Bros., cornices & skylights, 473 Greenwich, New York.
Pfeifer, F., pipe wrenches, 97 Reade, New York.
Pfeifer, John C., machst. & fndr., Rockport, Ind.
Pfeifer, Jno., & Co. (Ltd.), shovel mfrs., 222 Race, Phila., Pa.
Pfeifer, Mathias, Heating Co., 314 18th, Milwaukee, Wis.
Pfeiffenberger, L., & Son, architects, 102 W. 3d, Alton, & Main & Division, East St. Louis, Ill.
Pfeiffer & Burch, lumber, Edmore, Mich.
Pfeiffer, C. B., turpentine, Sylvania, Ga.
Pfeiffer, C. P. & J. L., heating contractors, Denver, Colo.
Pfeiffer, Clarence, contr., Sea Isle City, N. J.
Pfeiffer Color Co., 100 William, New York.
Pfeiffer, E., cornices & skylights, 1263 Jerome av, New York.
Pfeiffer, G., architect, Miami, Fla.
Pfeiffer, Geo. L., architect, Lemon City, Fla.
Pfeiffer, Henry, & Son Co., mill & facty. supplies, whol. hdwe., Fort Wayne, Ind.
Pfeiffer, Philipp G., architect,, 10 E. McMillan, Cincinnati, Ohio.
Pfeiffer Stone Co., St. Joseph, Mo.
Pfeiffer, Wm., Auto & Carriage Wks., Omaha, Neb.
Pfeiffers, Jno., Plating Wks., Syracuse, N. Y.
Pfeifle, Robt., contractor, South Bethlehem, Pa.
Pfeil, Chas. J., Co., sash, door & blind mfrs., 1976 W. 3rd, Cleveland, Ohio.
Pfeil, C. O., architect, Tennessee Trust Bldg., Memphis, Tenn.
Pfender Bros., chain pumps, Evansville, Ind.
Pfennig, J., cornices, 24 Hamburg pl, Newark, N. J.
Pfister, Ludwig O., contractor, 600 21st av, Milwaukee, Wis.
Pfister & Vogel Leather Co., Milwaukee, Wis.
Pfister, Wm. H., machst. & fndr., 230 W. 4th, Cincinnati, Ohio.
Pfisterer, C. G., traveling bags, 800 E. Jefferson, Los Angeles, Cal.
Pfistner, Fred'k, cornices, 108 Lincoln, Jersey City, N. J.
Pfizer, Chas., & Co., chemicals, 81 Maiden la, New York.
Pfleghar Hdwe. Spec. Co., New Haven, Conn.
Pfoertner, Lehmann Mach. Co., St. Louis, Mo.
Pfund, G. F., & Son, meat packers, 3945 Germantown av, Philadelphia, Pa.
Pfundstein, S., Tool Wks., machsts., Peoria, Ill.
Phaeton Heater Co., Peekskill, N. Y.
Phair, Fred, contractor, Paulsen Bldg., Spokane, Wash.
Pharis Tire & Rubber Co., Newark, Ohio.
Pharmaceutical Era, trade publication, 3 Park pl, New York.
Pharo, J. A., contractor, Bayonne, N. J.
Pharr, G. F., lumber, Dacula, Ga.
Pharr, King, canned goods, Catherine, Ala.
Pheby, Geo. E., architect, Phoenix, Ariz.
Pheiffer Stone Co., St. Joseph, Mo.
Pheiffer, Walter, architect, 10 E. McMillan, Cincinnati, O.
Phelan Engineering & Construction Co., Hoboken, N. J.
Phelan-Faust Paint Mfg. Co., 1008 Pine, St. Louis, Mo.
Phelan, S. F., carriages, Stockton, Cal.
Phelan, Shirley Co., contractors, Omaha, Nebr.
Phelps, Albert C., architect, Cornell University, Ithaca, N. Y.
Phelps & Bigelow Wind Mill Co., Kalamazoo, Mich.
Phelps Bros. Co., mill & facty. supps., 1335 14th, N. W., Washington, D. C.
Phelps Bros. Co., steamfitters' supps., 101 Beekman, New York.
Phelps, C. R., architect, Gluck Bldg., Niagara Falls, N. Y.
Phelps Can Co., Key Highway & Lawrence, Baltimore, Md.
Phelps, Dodge, Corp., copper ingots, 99 John, New York.
Phelps, Elmer E., brass castings, Syracuse, N. Y.
Phelps Factories, talking machine mfrs., Columbus, Ohio.
Phelps, Frank K., cornices & skylights, Ashland, Ky.
Phelps, Fred A., architect, 11 Clinton, Newark, N. J.
Phelps, Geo. S., & Co., fertilizer mfrs., Thompsonville, Conn.
Phelps Guardant Time Lock Co., 114 Liberty, New York.
Phelps, H., canned goods, North Bay, N. Y.
Phelps, H. D., machsts. & fndrs., Ansonia, Conn.
Phelps Heating Specialty Co., radiator valves 101 Beekman New York.
Phelps, H. T., architect, Gunter Bldg., San Antonio, Tex.
Phelps, J. Wesson, landscape archt., 26 State, Hartford, Conn
Phelps, Levy W., sash door & blind mfr., Ayer, Mass.
Phelps, M. A., Lumber Co., Cusick, Wash.
Phelps Mfg. Co., acect. gas machines, 38 S. Dearborn, Chicago Ill.
Phelps Mfg. Co., self flushing socket plugs, elec. sad irons, etc. 49 W. Larned, Detroit, Mich.
Phelps Mfg. Co., wire wheels, Columbus, Ohio.
Phelps, N. D., Co., mill & facty. supplies, Barre, Vt.
Phelps & Sibley Co., lumber mfrs., Cuba, N. Y.
Phelps & Sons Mfg. Co., mail boxes, push buttons, 110 Pennington, Newark, N. J.
Phelps, Stowe, architect, 20 W. 43d, New York.
Phelps, Walter J., machsts., ft. of Lawrence, Baltimore, Md.
Phenix Iron Works, Winona, Minn.
Phenix Lace Mills, Phenix, R. I.
Phenix Mfg. Co., sash & screen hangers, Milwaukee, Wis.
Phenix Marble Co., 19th & Olive, Kansas City, Mo.
Phenix Plate Co., dry plates, Worcester, Mass.
Phenix Supply Co., mill & facty. supplies, Atlanta, Ga.
Phenix Truck Makers, Inc., oil engines, 4948 Bloomingdale Rd Chicago, Ill.
Phenix Tube Co., 182 N. 11th, Brooklyn, N. Y.
Pheoll Mfg. Co., brass nuts, screws, etc., 5700 W. 12th, Chicago, Ill.
Phetteplace Oil Co., lubrg., 334 S. Water, Providence, R. I.
Phianna Motors Co., Central av, Newark, N. J.
Phifer, W. B., Co., lumber mfrs., Gainesville, Fla.
Phila. Aniline & Extract Co., coal tar prod., Bourse Bldg., Philadelphia, Pa.
Phila. Art Co., archl. iron, 16 N. 9th, Philadelphia, Pa.
Phila. Belting Co., 6th & Spring Garden, Philadelphia, Pa.
Phila. & Boston Face Brick Co., 155 Milk, Boston, Mass., & Milltown, N. J.
Phila. Brass Co., brass & copper rods, tubing, etc., East Downingtown, Pa.
Phila. Brick Co., 23rd, c Passayunk av, Philadelphia, Pa.
Phila. Button Co., 21 N. 7th, Philadelphia, Pa.
Phila. Casualty Co., insurance, 419 Walnut, Philadelphia, Pa
Phila. (The) Chaplet & Mfg. Co., School la & P. & R. Ry., Wiss Philadelphia, Pa.
Phila. Clay Co., 1316 Commonwealth, Philadelphia, Pa.
Phila. Clay Material Co., fire brick, 4629 W. Girard av, Philadelphia, Pa.
Phila. Co., oil & gas wells, 435 6th av, Pittsburgh, Pa.
Phila. & Conshohocken Stone Quarry Co., 41 S. 15th, Philadelphia, Pa.
Phila. Cons. Die Co., 327 Race, Philadelphia, Pa.
Phila. Contracting Co., reinf. concrete steel const., 5622 Germantown, Philadelphia, Pa.
Phila. Coppersmithing Co., 222 N. Front, Philadelphia, Pa.
Phila. Culvert Co., 16th & Washington av, Philadelphia, Pa.
Phila. Distributing Co., denatured alcohol, 1345 Frankford a Philadelphia, Pa.
Phila. Drying Machinery Co., 3351 Stokley, Philadelphia, Pa.
Phila. Electric Co., 10th & Sansom, Philadelphia, Pa.
Phila. Elec. Constr. Co., lightning arresters, connections, etc Heed Bldg., Philadelphia, Pa.

ila. Elec'l & Mfg. Co., hangers & arc lamp insulators, 1236 N. 31st, Philadelphia, Pa.
ila. Excelsior Co., excelsior, wood, wool packing, pads, tow moss fibre, etc., 716 N. 3rd, Philadelphia, Pa.
ila. Expansion Bolt Co., concrete inserts, 124 North 6th, Philadelphia, Pa.
ila. Felt Co., La. & Frankford cr, Philadelphia, Pa.
ila. Fire Brick Wks., 2306 Vine, Philadelphia, Pa.
ila. Game Co., toys, etc., 337 N. 3d, Philadelphia, Pa.
ila. Gear Works, E. Vine, Philadelphia, Pa.
ila. Grease Mfg. Co., 848 S. Swanson, Philadelphia, Pa.
ila. Hdwe. & Mall. Iron Wks., registers, 9th & Jefferson, Philadelphia, Pa.
ila. Lancaster Bag, 84 Tasker, Phila., Pa.
ila. Lawn Mower Co., 3101 Chestnut, Philadelphia, Pa.
ila. Leather Goods Co., traveling bags, 2d & Race, Phila., Pa.
ila. Lighting Specialty Co., Philadelphia, Pa.
ila. Lye & Chemical Co., 1811 Fitzwater, Philadelphia, Pa.
ila. Mach. Screw Wks., machine screws, 624 Race, Phila., Pa.
ila. Mach. Wks., marine steering gears, 67 Laurel, Phila., Pa.
ila. Metal Drying Form Co., stocking forms, 330 N. 12th, Philadelphia, Pa.
ila. Metal Stamping Co., 2218 Ranstead, Philadelphia, Pa.
ila. Meter Co., Real Estate Trust Bldg., Philadelphia, Pa.
ila. Mineral Flooring Co., 5682 Summer, Philadelphia, Pa.
ila. Novelty Mfg. Co., screw driver mfrs., 13th & Noble, Philadelphia, Pa.
ila. Packing Box Co., 2624 American, Philadelphia, Pa.
ila. Paper Mfg. Co., River Road, Philadelphia, Pa.
ila. Pickling Co., canned goods, 262 S. 2d, Phila., Pa.
ila. Pipe Bending Co., 4135 N. 5th, Philadelphia, Pa.
ila. Quartz Co., 121 S. 3d, Philadelphia, Pa.
ila. Quartz Co. of California, silicate of soda, 6th & Grayson, Berkeley, Cal.
ila. & Reading Coal & Iron Co., machsts. & fndrs., Pottsville, Pa.
ila. Roll & Machine Co., 25th & Washington av, Philadelphia, Pa.
ila. Rubber Works, Land Title Bldg., Philadelphia, Pa.
ila. Sash Weight Wks., fndrs., Glenwood av nr. 22d, Philadelphia, Pa.
la. Scoop Co., 127 Arch, Philadelphia, Pa.
ila. Screen Mfg Co., 56th, bel. Woodland, Philadelphia, Pa.
ila. Second Hand Pipe Supply Co., 1003 N. 7th, Phila., Pa.
ila. Sheet Metal & Wood Wks., 108 Reed, Philadelphia, Pa.
ila. Ship Supply Co., mill & facty. supplies, Phila., Pa.
ila. Steam Heating Co., Juniper & Cherry, Philadelphia, Pa.
ila. Steel & Forge Co., 50 Church, New York.
ila. Steel & Iron Co., forgings, Commercial Trust Bldg., Philadelphia, Pa.
ila. Storage Battery Co., Ontario & C, Philadelphia, Pa.
ila. Stove & Iron Fdry. Co., 1631 N. 5th, Philadelphia, Pa.
ila. Textile Chem. Wks., mill soaps, Arrott & Reading RR., Frankford, Phila., Pa.
ila. Textile Machinery Co., see Proctor & Schwartz, Inc. (successor).
ila. Thermometer Co., 9th & Arch, Philadelphia, Pa.
ila. Toboggan Co., 130 E. Duval, Gtn., Philadelphia, Pa.
ila. Tram-Rail Co., overhead trolleys, Front & Tusculum, Philadelphia, Pa.
ila. Transportation & Lighterage Co., 119 Walnut, Phila., Pa.
ila. Turntable Co., New Castle, Del.
ila. Whiting Wks., 2609 E. York, Philadelphia, Pa.
ilbrick-Booth Fdry. Co., Hartford, Conn.
ilbrick Cutter Head Co., machsts., Seattle, Wash.
ilbrick, E. J., fertilizer mfr., Augusta, Me.
ilbrick, John A., & Bros., masons' & bldrs.' matls., ft. E. 97th, New York.
ilbrick, L. B., paint, Salem, Mass.
ilbrook, Wm. H., granite, Rockport, Me.
ilip, Rossman, machst., Stockport, N. Y.
ilipp Bros., metals & ores, 29 B'way, New York.
ilipp-Kell Co., Inc., cornices & skylights, Holliday & Centre, Baltimore, Md.
ilippine Vegetable Oil Co., 11 B'way, New York.
ilips, A. A., Jr., joist hangers, etc., 2219 Pitkin av, Brooklyn, N. Y.
lips-Brinton Co., battery ignition systems, Kennett Sq., Pa.
lips Hardware Co., mill & facty. supps., Columbus, Ga.
lips Pressed Steel Pulley Wks., Chestnut Hill, Phila., Pa.
llipps, R. Stenner, architect, 15 W. 38th, New York.
llips, A. G., & Son, whol. hdwe., Morristown, N. J.
llips, Aaron, common brick, Bowling Green, Ky.
illips, Albert, architect, Pompton Plains, N. J.
llips, Alexander, architect, 160 5th av, New York.
llips Bros., cornices & skylights, Allegan, Mich.
llips Buggy Works, Ironton, Ohio.
llips & Buttorff Mfg. Co., stoves, Nashville, Tenn.
llips, C. H., contr., Waupaca, Wis.
llips, C. R., & Co., whol. lbr. mfrs., North Tonawanda, N. Y.
llips, Chas. S., mechanical engineer, Pacific Blk., San Francisco, Cal
llips, Chas., Tool Co., machsts. & fndrs., Mannington, W. Va.
llips & Clark Stove Co., machsts. & fndrs., Geneva, N. Y.
lips Co., toys, games, blocks, etc., 354 4th av, New York.
llips, D. E., contractor, Newport News, Va.
llips, David, Co., machsts. & fndrs., Bradford, Pa.
Phillips & Dickenson, flour mills, Wallace, Va.
Phillips, Doup & Co., barrows, cars & trucks, etc., 60 Pearl, Brooklyn, N. Y.
Phillips, E. A., architect, Warren, Pa.
Phillips, E. B., architect, Poplar Bluff, Mo.
Phillips, E. K., brick, Willimansett, Mass.
Phillips, E., & Sons, nails, South Hanover, Mass.
Phillips, Eugene B., architect, Lansing, Mich.
Phillips, Ezra L., architect, Gloucester, Mass.
Phillips, F. C., screw mach. products, Stoughton, Mass.
Phillips Flushing Tank Co., valves, 66 Batterymarch, Boston, Mass.
Phillips, F., & Son, contractors' tools mfrs., 1336 Greenmount av, Baltimore, Md.
Phillips, F. R., & Sons Co., steel importers, Penna. Bldg., Philadelphia, Pa.
Phillips, Frank, architect, 79 Morningside, Yonkers, N. Y.
Phillips, Fred., Sr., contractor, Albion, N. Y.
Phillips-Getschow Co., htg. contrs., 130 W. Kinzie, Chicago, Ill.
Phillips, H. W., submarine divers, Quincy, Mass.
Phillips, Harry W., contractor, Davenport, Ia.
Phillips Heating Vent. & Mfg. Co., furnaces, 1224 S. Figroa, Los Angeles, Cal.
Phillips, Henry A., architect, Elm, Milbury, Mass.
Phillips & Hodgson, masons' & bldrs.' matls., Chelsea, Mass.
Phillips & Homer, architects, Madison, Wis.
Phillips, Isaac B., whol. horseshoers' supps., 225 E. 125th, New York.
Phillips, I. W., & Co., masons' & bldrs.' matls., Tampa, Fla.
Phillips Iron Wks., Los Angeles, Cal.
Phillips, J., & H., mill & facty. supplies, 627 Liberty av, Pittsburgh, Pa.
Phillips J. H., architect, 681 5th av, New York.
Phillips, J. H., Sons, canned goods, Berkeley Springs, W. Va.
Phillips, Jacobs, machst. & fndr., Westfield, Pa.
Phillips, Jno. H., architect, Fulton bldg., Pittsburgh, Pa.
Phillips & Johnson, broom corn, Mattoon, Ill.
Phillips-Laffitte Co., compounds, plates, etc., Penna Bldg., Philadelphia Pa.
Phillips Lead & Supply Co., 91 S. Main, Providence, R. I.
Phillips Lime & Coal Co., Burlington, Ia.
Phillips Lbr. Co., Tifton, Ga.
Phillips & McCook, architects, Lake Charles, La.
Phillips & McCreedy, machsts. & fndrs., Mt. Clemens, Mich.
Phillips & McLaren Co., grinding pans, crushers, shears & castings, 24th & Smallman, Pittsburgh, Pa.
Phillips Mine & Mill Supply Co., 2227 Jane, Pittsburgh, Pa.
Phillips, Morris T., cattle tool mfrs., Pomeroy, Pa.
Phillips, Oliver P., incubators & brooders, Amo, Ind.
Phillips & Osborn, mattresses, 711 E. 47th, Chicago, Ill.
Phillips, P. S., contractor, Newark, Ohio.
Phillips Packing Co., Cambridge, Md.
Phillips & Pyke, contrs., North Adams, Mass.
Phillips, R. B., Mfg. Co., screw machine products, 3 Grand St. ct, Worchester, Mass.
Phillips, R. Stinner, architect, 223 W. 33rd, New York.
Phillips Ribbon & Carbon Co., 88 Manhattan, Rochester, N. Y.
Phillips, Richard, architects, Jacobson Bldg., Denver, Colo.
Phillips & Slack, granite, Northfield, Vt.
Phillips & Sons, contractors, Ridgewood, N. J.
Phillips, Thos., Co., paper bags, Akron, Ohio.
Phillips, T. W., Gas & Oil Co., machinist, Butler, Pa.
Phillips, Victor L., contr., machy., 7th & Delaware, Kansas City, Mo.
Phillips, W. C., architect, 163 N. 13th, San Francisco, Cal.
Phillips, W. E., contractor, Braddock, Pa.
Phillips, W. R., Co., see Factory Engng. Co. (successor).
Phillips, Waller Co., canned goods, Salisbury, Md.
Phillips, Watson K., architect, 430 Walnut, Phila., Pa.
Phillips White Rock Lime Co., 125 Front, Newark, N. J.
Phillips, Wm., & Co., laundry machy., Northville, Mich.
Phillips, Wm. H., lime mfrs., 125 Front, Newark, N. J.
Phillips, Wm. S., architect, 103 Park av., New York.
Phillips Wire Co., insulated wire, Pawtucket, R. I.
Phillips & Worthington, contractors, 90 West, New York.
Phillips-Yarbrough Hardware Co., Montgomery & Opelika, Ala.
Phillipsdale Paper Mill Co., Phillipsdale, R. I.
Philpot & Co., flour mills, Hardyville, Ky.
Philpot & Lile, flour mills, Rocky Hill Station, Ky.
Philpot Lumber Co., masons & bldrs'. matls., Humboldt, Neb.
Philpott & Leuppie Co., machsts., Niagara Falls, N. Y.
Philpott Rubber Co., 1408 W. 3d, Cleveland, O.
Phinotas Chem. Co., disinfectants, 237 Front, New York.
Phipps Charcoal Co., Ironton, O.
Phipps Furnace Co., 90 Oneida, Milwaukee, Wis.
Phipps, Horace J., & Co., glass stainers, 65 Bedford, Boston, Mass.
Phipps, J. H., Lumber Co., Fayetteville, Ark.
Phipps, Sanford, architect, 9 Park, Boston, & Hopkinton, Mass.
Phoenix Am. Pipe Wks., Boonville, Mo.
Phoenix Boiler Wks. Co., Terre Haute, Ind.
Phoenix Box Factory, packing boxes, Toledo, O.
Phoenix Bridge Co., 410 Walnut, Philadelphia, Pa.
Phoenix Brush & Mfg. Co., 160 N. Wells, Chicago, Ill.
Phoenix Carriage Co., 901 Evans, Cincinnati, O.
Phoenix Caster Co., bed & furniture casting machsts., Indianapolis, Ind.

Phoenix Chair Co., Sheboygan, Wis.
Phoenix Construction Co., 41 Park Row, New York.
Phoenix Cotton Oil Co., Memphis, Tenn.
Phoenix Die Casting Co., mchists., 21 Illinois, Buffalo, N. Y.
Phoenix Electric Co., alternating current motors, Mansfield, Ohio. *See adv. index at end of book.*
Phoenix Elec. Co., storage batteries, 133 W. Washington, Chicago, Ill.
Phoenix Fire Extinguisher Co., Grove, Norwich, Conn.
Phoenix Flour Mills, Evansville, Ind., & Phoenix, Ariz.
Phoenix Fdry. Co., 1455 S. Jefferson, Chicago, Ill., & Voorheesville, N. Y.
Phoenix Foundry & Machine Co., Ashtabula, O.
Phoenix Fdg. & Mfg. Co., St. Joseph, Mo.
Phoenix Furniture Co., Charleston, S. C., & Eau Claire, Wis.
Phoenix Gas & Improvement Co., Harrison Bldg., Phila., Pa.
Phoenix Glass Co., portables, 230 5th av, New York.
Phoenix Glass Co., 2d Nat'l Bk. Bldg., Pittsburgh, Pa.
Phoenix Hdwe. Co., Buffalo, N. Y.
Phoenix Harry D., architect, Union Bldg., Syracuse, N. Y.
Phoenix Hermetic Co., bottle caps, 3720 14th av, B'klyn, N. Y.
Phoenix Horse Shoe Co., toe-calks, 209 S. La Salle, Chicago, Ill.
Phoenix Ice Machine Co., mchsts. & fdrs., 2711 Church av, Cleveland, O.
Phoenix Iron & Boiler Works, Sacramento, Cal.
Phoenix Iron Co., structural steel mfrs., 22 S. 15th, Philadelphia, Pa.
Phoenix Iron Wks., E. 3rd & Hawthorne, Portland, Ore.
Phoenix Iron Works Co., Meadville, Pa., & Oakland, Cal.
Phoenix Light Co., 525 Market, Milwaukee, Wis.
Phoenix Lock Wks., mchsts. & fndrs., 3d av, Newark, N. J.
Phoenix Lbr. Co., Springdale, Wash.
Phoenix Mach. & Cold Storage Co., Phoenix, Ariz.
Phoenix Mfg. Co., machsts., Eau Claire, Wis., & Hartford, Conn.
Phoenix Meter Co., machsts., Camden, N. J.
Phoenix Mill Co., flour, Marietta, Ohio, & 112 6th, Minneapolis, Minn.
Phoenix Milling Co., flour, Sacramento, Cal.
Phoenix Oil Co., belt dressing, compounds, soaps, 2554 W. 5th, Cleveland, O.
Phoenix Paint & Varnish Co., 124 Market, Philadelphia, Pa.
Phoenix Paper Co., Greenwich, N. Y.
Phoenix Planing Mill, sash, door & blind, Atlanta, Ga.
Phoenix Portland Cement Co., Nazareth, Pa.
Phoenix Pottery Co., Bordentown, N. J.
Phoenix Refining Co., petroleum & its products, Tulsa, Okla.
Phoenix Rubber Co., reclaimed rubber, Akron, O.
Phoenix Sand & Gravel Co., 21 E. 40th, New York.
Phoenix Shingle Co., Seattle, Wash.
Phoenix Sidewalk Light Co., Monadnock Bldg., San Francisco, Cal.
Phoenix Slate Co., Wind Gap, Pa.
Phoenix Sliding Blind Co., Phoenix, N. Y.
Phoenix Soapstone Co., 71 Murray, New York.
Phoenix Spec. Mfg. Co., metallic gaskets, 48 Duane, New York.
Phoenix Steam Packing Co., Gates av & Boulevard, Jersey City, N. J.
Phoenix Toilet & Paper Mfg. Co., Phoenix, N. Y.
Phoenix Trimming Co., fringes, 2008 N. Racine av, Chicago, Ill.
**PHOENIX WIRE WKS.**, Kirby & Dequindre, Detroit, Mich. *See adv index at end of book.*
Phosphate Mining Co., 55 John, New York.
Phospho Food Co., Los Angeles, Cal.
Phosphor Bronze Smelting Co., 2200 Washington av, Phila., Pa.
Photoplating Co., signs, glass, Minneapolis, Minn.
P. & H. Supply Co., plumbers' supplies, Fort Wayne, Ind.
Pia, Peter F., Britannia ware mfrs., 129 White, New York.
Pianista Piano Co., 614 W. 51st, New York.
Piano & Organ Supply Co., actions, 2132 N. Racine av, Chicago, Ill.
Picard, A. J., & Co., automobile starters, 9 W. 161st, New York
Richer Lead Co., see Eagle-Picher Lead Co. (successor).
Pick, Albert, & Co., cooking apparatus, hotel equipment, etc., 212 W. Randolph, Chicago, Ill.
Pick, Richard, Mfg. Co., chair seats & lamp filaments, 224 N. Wells, Chicago, Ill.
Pickands, Brown & Co., pig iron, 332 S. Michigan av, Chicago, Ill.
Pickard, H. A., architect, Ipswich, Mass.
Pickards, Mather & Co., blast furnaces, Western Reserve Bldg., Cleveland, O.
Pickel, Benj., stone, Warrensburg, Mo.
Pickel Marble & Granite Co., 1901 N. B'way, St. Louis, Mo.
Pickel Stone Co., 1320 S. Vandeventer av, St. Louis, Mo.
Pickens' Auto Cloth Co., artificial lthr., 105 W. 63rd, New York.
Pickens Mills, cotton sheetings, Pickens, S. C.
Pickens Oil & Fertilizer Co., meal, Pickens, S. C.
Pickerell, O. L., contractor, Trafalgar, Ind.
Pickering, Arthur D., architect, 103 Park av, New York.
Pickering, Geo., & Co., aniline colors, Elmira, N. Y.
Pickering Governor Co., roller bearings & steam engine governors, Portland, Conn.
Pickering Hardware Co., 5th, c. Main, Cincinnati, Ohio.
Pickering Mfg. Co., brush machy., 228 S. 4th, Philadelphia, Pa.
Pickering, Ridgway S., hinges, nails, staples, tacks, etc., Sharon Hill, Pa.
Pickering, W. H., & Co., machsts., Hartford, Conn.
Pickering, W. R., Lumber Co., Long Bldg., Kansas City, Mo.
Pickering, Wm. H., masons' & bldrs.' matls., Spencerville, O.
Pickert, John, contractor, Batavia, N. Y.
Pickert, L., Fish Co., canned, 16 New, Boston, Mass.
Pickett Hardware Co., Warren, Pa.
Pickett, Wm., & Co., contractors, Washington, Pa.
Pickett & Shirkle Coal Co., Lessee, Haute, Ind.
Pickin, Ephraim M., architect, Hunsicker Bldg., Allentown, Pa.
Picking, D., & Co., various kinds of kettles, supplies, Bucyrus, O.
Picking, R. O., rotary rock drilling, tools, Phelan Bldg., San Francisco, Cal.
Pickins Roofing & Sheet Metal Co., Spartanburg, S. C.
Pickthall Supply Co., mill & facty. supplies, 321 Fremont, San Francisco, Cal.
Pictorial Post Card Co., Rochester, N. Y.
Pidgeon-Thomas Iron Co., Memphis, Tenn.
Piedmont Cotton Mills, Egan, Ga.
Piedmont Fertilizer Co., Opelika, Ala.
Piedmont Fdry. & Mach. Co., Piedmont, W. Va.
Piedmont Fdry. & Machine Wks., Hickory, N. C.
Piedmont Hardware Co., Danville, Va.
Piedmont Mfg. Co., sheetings, Piedmont, S. C.
Piedmont Mills, flour, Lynchburg, Va.
Piedmont Mt. Airy Guano Co., fertilizer mfrs., Keyser Bldg., Baltimore, Md.
Piedmont Motor Car Co., Inc., Lynchburg, Va.
Piedmont Wagon & Mfg. Co., Hickory, N. C.
Piel Bros. Starch Co., Indianapolis, Ind.
Piel Construction Co., 2519 Edmondson av, Baltimore, Md.
Piel, G., Co., auto. horns, 29 13th, Long Island City, N. Y.
Pielage, Hy., & Co., stone, 1032 Flint, Cincinnati, O.
Pierce, A. White, architect, 26 Court, B'klyn, N. Y.
Pierce-Arrow Motor Car Co., 1695 Elmwood av, Buffalo, N. Y.
Pierce, A. S., lumber, Rhinelander, Wis.
Pierce & Bickford, architects, 120 Lake, Elmira, N. Y.
Pierce-Budd Co., machsts., Bay City, Mich.
Pierce, Butler & Pierce Mfg. Corp., steam & hot water heater mfrs., 437 E. 162nd, New York.
Pierce, C. Berlin, contractor, Youngstown, O.
Pierce City Lime Co., Pierce City, Mo.
Pierce Co., silo, hdwe., Waldheim Bldg., Kansas City, Mo.
Pierce, C. S., Co., boot counters, Brockton, Mass.
Pierce, C. S., Lumber Co., Fresno, Cal.
Pierce Chemical Co., soap, 910 W. Lake, Chicago, Ill.
Pierce City Packing Co., Pierce City, Mo.
Pierce & Cox, heating contrs., 143 Kingston, Boston, Mass.
Pierce Cycle Co., 18 Hanover, Buffalo, N. Y.
Pierce, F. B., Co., spinning wheels, brush handles, Keene, N. H.
Pierce, F. M., & Co., glass, Clayton, N. J.
Pierce, F. O., Co., paints, 10 E. 43rd, New York.
Pierce, F. W., contractor, Lorain, O.
Pierce, Frederick L., contractor, 74 Weybosset, Providence, R. I.
Pierce, Geo. F., fertilizer mfr., Milford, Del.
Pierce Governor Co., machsts., Anderson, Ind.
Pierce, H. Frank, contractor, Belmar, N. J.
Pierce Hardware Co., Taunton, Mass.
Pierce, Harry L., architect, Columbia, Mo., & Wright & Call, bldg., Los Angeles, Cal.
Pierce, Jno. A., mchsts. & fdrs., Xenia, Ill.
Pierce, John H., contractor, Norfolk, Va.
Pierce Lbr. Co., Marked Tree, Ark.
Pierce Mfg. Co., contractors, 785 Housatonic av, Bridgeport, Ct.
Pierce, O. W., Co., cornices, Olean, N. Y.
Pierce Oil Corp., Bank of Com. Bldg., St. Louis, Mo.
Pierce Packer Co., oil well packers, Franklin, Pa.
Pierce, R. A., architect, 830 18th, Denver, Colo.
Pierce, R. G., architect, 10 S. La Salle, Chicago, Ill.
Pierce, R. L., architect, Central Bldg., San Antonio, Tex.
Pierce, S. K., & Son, revolving chairs, Gardner, Mass.
Pierce Sam'l Organ Pipe Co., Reading, Mass.
Pierce & Stevens, alcohol, Buffalo, N. Y.
Pierce, Thos. W., Hardware Co., Middleboro, Mass.
Pierce, Walter S., Co., pianos, 691 14th, San Francisco, Cal.
Pierce, Wm. B., Co., boiler tube cleaners, 40 N. Division, Buffalo, N. Y.
Pierce, Wm. L., contrs., Danville, Ill.
Pierce & Winn Co., masons' & bldrs.' matls., Arlington, Mass.
Pierce Wrapping Machine Co., 625 W. Jackson blvd., Chicago, Ill.
Pieretti Bros., concrete contrs., Ivoryton, Conn.
Piermont Paper Co., Piermont, N. Y.
Pierpoint, Jas. & Sons Co., pig iron & coke dlrs., Franklin Trust Bldg., Philadelphia, Pa.
Pierpont, John A., htg. contrs., 310 12th, N. W., Washington, D. C.
Pierpont Mfg. Co., woodenware & boxes, Savannah, Ga.
Pierron Pottery Co., 31 Johnson, Milwaukee, Wis.
Pierson, Arthur S., architect, Morristown, N. J.
Pierson & Bro., contractors, Terre Haute, Ind.
Pierson, Chiron C., contractor, Mers. Bk. Bldg., Indianapolis, Ind.
Pierson & Co., structural steel dealers, 29 B'way, New York.
Pierson, E. R., contrs., Terre Haute, Ind.
Pierson F. G., architect, Wash. Loan & Tr. bldg., Washington, D. C.
Pierson, Fred. L., architect, Bloomfield, N. J.
Pierson, Henry, & Sons, contractors, 1000 Olive, Baltimore, Md.

erson & Hough Co., horse collars, 158 Congress W., Detroit, Mich.
erson, J. K. C., architect, Jacksonville, Ill.
erson, J. N., & Son, architects, Perth Amboy, N. J.
erson, Jas. W., Co., masons' & bldrs.' matls., East Orange, N. J.
erson Lbr. & Coal Co., Copper & Cherry, Northside, Cincinnati, Ohio.
erson Mfg. Co., telegraph transmitter, Topeka, Kans.
erson, S. M., machst., Sumter, S. C.
erson U. Bar Co., green house bldrs., etc., 1 Madison av, New York.
erson Wilcox Elec. Co., 223 S. 6th, Minneapaolis, Minn.
etsch, Ferdinand, steel structural wk., 617 Cedar, Milwaukee, Wis.
etsch, Theodore W., architect, American Bldg., Baltimore, Md.
etz, Adam, die sinkers, 1011 Chestnut, Philadelphia, Pa.
etzman, J., & Son, scrap iron & steel, Kansas City, Mo.
fers, G. W., Sons, sash, door & blind, Dubois, Pa.
geon Fraser Hollow Spar Co., E. Boston, Mass.
geon River Lbr. Co., Grand Rapids, Wis.
ggins Motor Truck Co., machsts., Racine, Wis.
ggins, Wm. S., & Sons, crushed stone, Detroit, Mich.
gnolet, Louis M., elec'l. insts., 78 Cortlandt, New York.
got, Sayre Co., oils & greases, 71 Front, New York.
gott, Jas. S., architect, 9 Clinton, Newark, N. J.
gott, Thos. E., steel, 632 Frankford av, Cleveland, O.
il & Miller, dock bldrs., Wabash Bldg., Pittsburgh, Pa.
se, A. W., & Co., whol. hdwe., 711 Mission, San Francisco, Cal.
se & Cook, contractors, 416 S. 5th, Minneapolis, Minn.
se County Coal Co., McCormick bldg., Chicago, Ill.
se, D. Herbert, contr., Pittsfield, Mass.
se Dial Lbr. Co,. 2201 Loomis, Chicago, Ill.
se, E. N., & Son, belt dressing, 93 Broad, Boston, Mass.
se, F. H., machsts. & fndrs., Randolph, N. Y.
se, H. S., contractor, 28 Townsend, Worcester, Mass.
se & Heald Co., steamfitters' supplies, Manchester, N. H.
se, John P., contractor, Rochester, N. Y.
se Mfg. Co., emery & corundum wheel mfrs. & lbr., Pike, N. H.
se River Granite Co., Marinette, Wis.
se Rubber Co., Akron, Ohio.
se Stained Glass Studios, leaded windows, 191 East av, Rochester, N. Y.
se, W. N., & Sons, contractors, Lawrence, Mass.
se & Whipple Co., carriages, Peabody, Mass.
at, Carl F., landscape architect, 52 B'way, New York.
chard Bldg. Co., contrs., Sioux City, Ia.
cher, Lewis F., architect, Hall of Records, New York.
cher & Tachau, architects, 109 Lexington av, New York.
cher's, Hy., Sons, organs, pianos, Louisville, Ky.
e, J. W., carriages, Marietta, Ind.
grim Iron Wks., Los Angeles, Cal.
grim Motor Car Co., Moffat Bldg., Detroit, Mich.
grim Specialty Co., advtg. novelties, badges & signs, Malden, Mass.
lar Bay Packing Co., Seattle, Wash.
lar, S. L., architect, Riverside, Cal.
ley Flue Brush Co., wire brushes of all kinds, 604-608 South 3d, St. Louis, Mo.
ling & Crane, iron comm., Real Estate Trust Bldg., Philadelphia, Pa.
ling, Geo. P., & Son Co., milking tubes, 23d & Arch, Philadelphia, Pa.
linger, W. A., Co., contractors, 11 S. La Salle, Chicago, Ill.
liod Co., machinist, Swanton, Ohio.
liod Co., valve gears, 30 Church, New York.
liod Lumber Co., Swanton, Ohio.
lsburg, Arthur L., architect, Bloomington, Ill.
lsbury Flour Mills Co., 3rd fl. Met. Life Bldg., Minneapolis, Minn.
lsbury Mfg. Co., collapsible buckets, 322 Hennepin av, Minneapolis, Minn.
oid Milling Co., wheat flour, Swanton, Ohio.
ot Motor Car Co., Richmond, Ind.
ot Point Cotton Oil Mill Co., meal, Pilot Point, Tex.
ot Point Roller Mill Co., flour, Pilot Point, Tex.
sen Fndry & Iron Wks., 1530 W. 22d, Chicago, Ill.
sen Lbr. Co., 2201 Laflin, Chicago, Ill.
sen Sash & Door Co., 2926 W. 26th, Chicago, Ill.
ubley Paint & Glass Co., St. Joseph, Mo.
al Dome Refining Co., petroleum, Santa Maria, Cal.
ch Co., mill & facty. supplies, Lakeland, Fla.
ches, John, & Sons, interior hardwood wk. mfrs., New Britain, Conn.
ckneyville Milling Co., flour, Pinckneyville, Ill.
e Bluff Brick Co., Pine Bluff, Ark.
e Bluff Iron Wks., machsts. & fndrs., Pine Bluff, Ark.
e & Co., mill & facty. supplies, 745 3d av (Lansingburgh), Troy, N. Y.
e & Cypress Co., Alapaha, Ga.
e-Fir Co., lumber, Spokane, Wash.
e Grove Vitrified Brick Co., 20th & Sedgley, Philadelphia, Pa.
e-Ihrig Mach. Co., Oshkosh, Wis.
e Level Oil Mills, Pine Level, N. C.
e Lbr. Co., Newbern, N. C.
e Mountain Granite Co., Atlanta, Ga.
e Run Coal Co., bituminous, New Bethlehem, Pa.
e Tree Lbr. Co., Bend, Ore.

Pine Tree Mfg. Co., Little Falls, Minn.
Pine Woods Lbr. Co., Springhill, La.
Pineora Mfg. Co., lumber, Pineora, Ga.
Pines Rubber Co., mackintoshes, 148 39th, Brooklyn, N. Y.
Pingree, A. W., lbr., Auburn, N. H.
Pingree, D. W., Co., lbr., etc., Lawrence, Mass.
Pingrey, Roy E., architect, 209 S. La Salle, Chicago, Ill.
Pinkerton Jas. A., contr., Berkeley, Cal.
Pinkerton Mfg. Co., jaw chucks, Philadelphia, Pa.
Pinkerton, Rachael (Est. of), boilers, steel stacks & tanks, Green Island, N. Y.
Pinkham, C. A., Carriage Co., & sleighs, Farmington, Me.
Pinkham, Everard, architect, Medham, Mass.
Pinkham, J. E., Lbr. Co., cedar shingles, Seattle, Wash.
Pinkham & Smith Co., lenses, 288 Boylston, Boston, Mass.
Pinkley, Geo. C., contr., Gibson City, Ill.
Pinkosowitz, Abr., trunk mfr., 113 2d, New York.
Pinneh, Edw. F., architect, 4746 11th av, Seattle, Wash.
Pinnell, J. W., fndrs., Scranton, Pa.
Pinnell, J. W., & Co., lbr. mfrs., 230 E. Ohio, Indianapolis, Ind.
Pinnell & Tompkins Lumber Co., Rushville, Ind.
Pinneo & Daniels Co., carriage hubs, spokes & wheels, Dayton, Ohio.
Pinner, R. A., mach'y, 122 Water, New York.
Pinney, Casse & Lackey Co., window shade mfrs., Freemont, Jersey City, N. J.
Pinney, E. J., contractor, Springfield, Mass.
Pinyoun, F. C., & Son, portable fireproof garages, 2526 Carnegie av, Cleveland, Ohio.
Pioneer Alloy Products Co., Inc., annealing boxes, castings, cocks, ferro alloys, valves, etc., 16601 Euclid av., Cleveland, Ohio.
Pioneer Asphalt Co., waterproofing materials, Lawrenceville, Ill.
Pioneer Asphaltum & Artificial Stone Pavement Co., 634 Clay, San Francisco, Cal.
Pioneer Boat & Pattern Co., Bay City, Mich.
Pioneer Boiler & Mach. Wks., Los Angeles, Cal.
Pioneer Brass Fdry. Co., Oakland, Cal.
Pioneer Brass Wks., machsts. & fndrs., Indianapolis, Ind.
Pioneer Brick Co., Spokane, Wash.
Pioneer Broom Co., Amsterdam, N. Y.
Pioneer Canning Co., St. Henry, Ohio.
Pioneer Canning & Pickling Co., St. Nazianz, Wis.
Pioneer Carriage Co., Seattle, Wash.
Pioneer Construction Co., 180 Jessie, San Francisco, Cal.
Pioneer Contr. Co., New Rochelle, N. Y.
Pioneer Cooperage Co., 2212 De Kalb, St. Louis, Mo.
Pioneer Corp., clocks, house numbers & switch plates, 1249 W. 65th, Chicago, Ill.
Pioneer Cotton Mills, twine, rope, wicks, Guthrie, Okla.
Pioneer Cut Glass Co., Carbondale, Pa.
Pioneer Fdry. Co., Ltd., Jackson, Mich.
Pioneer Flouring Mill Co., Island City, Ore.
Pioneer Granite Co., St. Cloud, Minn.
Pioneer Guano Co., Albany, Ga.
Pioneer Instrument Co., 246 Greenwich, New York.
Pioneer Iron Co., blast furnaces, Cleveland, Ohio.
Pioneer Iron & Wire Wks. Co., Denver, Colo.
Pioneer Iron Wks., machsts. & fndrs., 149 Pioneer, B'klyn, N. Y.
Pioneer Knitting & Mfg. Co., sweaters, cardigans, etc., 326 Market, Philadelphia, Pa.
Pioneer Lumber Co., Seattle, Wash.
Pioneer Mach. & Engraving Co., Merwin av, Cleveland, Ohio.
Pioneer Mach. Wks., steam engine & rd. rollers, 75 Delavan, Brooklyn, N. Y.
Pioneer Mfg. Co., soaps, sweeping compounds, etc., Harvard av & E. 103rd, Cleveland, Ohio.
Pioneer Mfg. Co., galvanized steel tanks, Middlebury, Ind.
Pioneer Marble & Granite Wks., stone producers, El Paso, Tex.
Pioneer Mercantile Co., masons' & bldrs.' matls., Bakersfield, Cal.
Pioneer Metal & Glass Sign Co., 423 Hayes, San Francisco, Cal.
Pioneer Paint Co., glass, Portland, Ore.
Pioneer Paper Co., Ballston Spa, N. Y., & Los Angeles, Cal.
Pioneer Pearl Button Co., Poughkeepsie, N. Y.
Pioneer Plaster Co., Seattle, Wash.
Pioneer Plate & Window Glass Co., 1070 Mission, San Francisco, Cal.
Pioneer Pole & Shaft Co., Piqua, Ohio.
Pioneer Rubber Mills, 68 Sacramento, San Francisco, Cal.
Pioneer Rubber Specialty Co., balloons, etc., Akron, Ohio.
Pioneer Sand & Gravel Co., Seattle, Wash.
Pioneer Shoe & Ruober Co., 27 No. 3d, Minneapolis, Minn.
Pioneer Soap Co., 15th & Vermont, San Francisco, Cal.
Pioneer Stove & Stamping Co., Tacoma, Wash.
Pioneer Tar Soap Co., Dayton, Ohio.
Pioneer Tractor Mfg. Co., engines, Winona, Minn.
Pioneer Wrecking & Constr. Co., Oakland, Col.
Piotti, Ambrogio, contractor, 98 Melvilleon, Boston, Mass.
Pipe Coiling, Bending & Welding Co., Arrott Bldg., Pittsburgh, Pa.
Pipe & Contractors' Supply Co., second-hand mach'y, 3 Dover, New York.
Pipe Machy. Co., 930 E. 70th, Cleveland, Ohio.
Pipe Railing Construction Co., 79 6th, Long Island City, N. Y.
Piper, B. H., Co., bats, hammer handles, hockey & polo sticks, etc., Manchester, N. H.
Piper Bros., plbrs. supplies, 112 Brunswick av, Trenton, N. J.

Piper & Clark, starch mfrs., Sherman Mills, Me.
Piper, F. Stanley, architect, Bellingham, Wash.
Piper, J. A., Roofing Co., slasher hoods, etc., Greenville, S. C.
Pipes, W. H., architect, Henry Bldg., Portland, Ore.
Pipkorn, W. H., Co., masons' & bldrs.' matls., Milwaukee, Wis.
Pipp, Herman W., architect, Ann Arbor, Mich.
Pippin, Walter T., contractor, Chestertown, Md.
Pippy & Weld, bldg. contrs., Portland, Ore.
Piqua Blower Co., Piqua, Ohio.
Piqua Bracket Co., Piqua, Ohio.
Piqua Cap Co., Piqua, Ohio.
Piqua Flour Co., Piqua, Ohio.
Piqua Handle & Mfg. Co., P. O. Box 307, Piqua, Ohio.
Piqua Milling Co., flour, Piqua, Ohio.
Piqua Paper Box Co., scrap iron, Piqua, Ohio.
Piquet Box & Lbr. Co., pckg. box mfrs., Syracuse, N. Y.
Pirie, Jas. K., granite, Graniteville, Vt.
Pirring Mfg. Co., corn brooms & floor brushes, 4436 Greenview av, Chicago, Ill.
Pirrone, Frank, architect, Garfield, N. J.
Pirsch, Peter, & Co., metal auto. bodies, fire engines, hose, etc., Kenosha, Wis.
Pisanelli, Gennaro, contractor, 3553 Olinville av, New York.
Pisani Bros., marble & mosaic cube imptrs., 815 Vernon av, Astoria, Long Island City, N. Y.
Piston Ring Co., Muskegon, Mich.
Pit & Quarry, trade journal, 538 S. Clarke, Chicago, Ill.
Pitard, R. D., Hdwe. Co., whol. hdwe., 115 Chartres, New Orleans, La.
Pitard-Saxton Hdwe. Co., Inc., whol., 1031 Canal, New Orleans, La.
Pitard's, C., Sons, see Pitard-Saxton Hdwe. Co., Inc. (successors).
Pitcairn Varnish Co., varnish mfrs., 213 Lake, Milwaukee, Wis.
Pitcher, Geo. E., architect, Norwich, Conn.
Pitegoff Bros., brushes, 13 Crosby, New York.
Pitkin, F. H., contractor, 30 N. Michigan av, Chicago, Ill.
Pitkin, Lucius, chemist, 47 Fulton, New York.
Pitkin, Wm., Jr., architect, Guardian bldg., Cleveland, O.
Pitless Auto Turntable Co., Kansas City, Mo.
Pitman & Brown Co., contrs., Salem, Mass.
Pitman, Ernest W., Co., contractors, Lawrence, Mass.
Pitman, John, contractor, Niagara Falls, N. Y.
Pitometer Co., water waste detectors, 25 Elm, New York.
Pitt Car Gate Co., 221 W. 26th, New York.
Pitt Constr. Co., Fulton Bldg., Pittsburgh, Pa.
Pitt Engng. Co., elevators, 120 W. Kinzie, Chicago, Ill.
Pitt, Wm. R., Composite Iron Works, iron works, 221 W. 26th, New York.
Pittard, John T., fertilizer mfrs., Winterville, Ga.
Pittenger, Edw. S., contractor, Easton, Pa.
Pittet, Felix G., contractor, Paterson, N. J.
Pittman, Chas. H., brick, Brown Mills, N. J.
Pittman Construction Co., Atlanta, Ga.
Pittman, Henry C., architect, 52 William, New York.
Pittman, L. S., contr., Duquoin, Ill.
Pitts, A. L., Slate Co., Arvonia, Va.
Pitts Co., contractors, 58 E. Park av, Newark, N. J.
Pitts, J. D., lbr., Glen Alpine, N. C.
Pitts & Kitts Mfg. & Supply Co., mill & factory supplies, 233 B'way, New York.
Pittsburg Cotton Oil Co., meal, Pittsburg, Tex.
Pittsburg Fdry. Co., Los Angeles, Cal.
Pittsburg Fdry. & Mach. Co., Pittsburg, Tex.
Pittsburg Zinc Co., Pittsburg, Kans.
Pittsburgh Air Tight Door Sill Co., weather strips, Liberty & Short, Pittsburgh, Pa.
Pittsburgh Annealing Box Co., May Bldg., Pittsburgh, Pa.
Pittsburgh Armature Wks., 207 S. Main, Pittsburgh, Pa.
Pittsburgh Bldg. Co., 787 5th av., New York.
Pittsburgh Block & Mfg. Co., pulley blocks, 818 South av, Pittsburgh, Pa.
Pittsburgh Brake Shoe Co., Farmers' Bank Bldg., Pittsburgh, Pa.
Pittsburgh Brass Mfg. Co., copper castings, Penn & 32d, Pittsburgh, Pa.
Pittsburgh Bridge & Iron Wks., steel struct. wk., Farmers' Bk. Bldg., Pittsburgh, & Rochester, Pa.
Pittsburgh Brush Co., 324 Liberty av, Pittsburgh, Pa.
Pittsburgh Can Co., steel kegs, 61 Bridge, Pittsburgh, Pa.
Pittsburgh Carbon Brush Co., 512 E. Diamond, Pittsburgh, Pa.
Pittsburgh, Cincinnati, Chicago & St. Louis R. R. Shops, mchsts., Terre Haute, Ind.
Pittsburgh Clay Pot Co., glass house supplies, 1261 Reedsdale, Pittsburgh, Pa.
Pittsburgh Clay Products Co., brick, Keenan Bldg., Pittsburgh, Pa.
Pittsburgh Coal of Penn., coke mfrs., Oliver Bldg., Pittsburgh, Pa.
Pittsburgh Coal Co., Spahr bldg., Columbus, Ohio.
Pittsburgh Coal Co. of Wis., Garfield av, Duluth, Minn.
Pittsburgh Coal Washer Co., mach'y, Fulton Bldg., Pittsburgh, Pa.
Pittsburgh Cold Rolled Steel Co., 39th & P. R. R., Pittsburgh, Pa.
Pittsburgh Construction Co., Diamond Bank Bldg., Pittsburgh, Pa.
Pittsburgh Conveying Machinery Co., wagon loaders, 4th & Duquesne wy, Pittsburgh, Pa.



Pittsburgh Crucible Steel Co., car axles, springs, etc, Midland, Pa.
Pittsburgh Crushed Cteel Co., 61st & A. V. R. R., Pittsburgh, Pa.
Pittsburgh-Des Moines Steel Co., steel tanks & towers, 4th & Ross, Pittsburgh, Pa. *See adv index at end of book.*
Pittsburgh Elec. Furnace Co., Vanadium Bldg., Pittsburgh, Pa.
Pittsburgh Electric Specialties Co., cooking app. & projectors, Ross & 1st av, Pittsburgh, Pa.
Pittsburgh Electrical & Mach. Wks., machsts. & fndrs., Barker pl, Pittsburgh, Pa.
Pittsburgh Electro Galvanizing Co., 2624 Smallman, Pittsburgh, Pa.
Pittsburgh Emery Wheel Co., Rochester, Pa.
Pittsburgh Equipment Co., car wheel centers, House Bldg., Pittsburgh, Pa.
Pittsburgh Filter Mfg. Co., Farmers' Bank Bldg., Pittsburgh, Pa.
Pittsburgh Forge & Iron Co., car & locomotive axles, Chamber of Commerce Bldg., Pittsburgh, Pa.
Pittsburgh Foundry & Machine Co., ft. 36th, Pittsburgh, Pa.
Pittsburgh Gage & Supply Co., gages, rasp & file, etc., 30th & Liberty av, Pittsburgh, Pa.
Pittsburgh Gallery Brick Co., Wabash Bldg., Pittsburgh, Pa.
Pitts. Gas Coal Co., bituminous, Punxstawneys, Pa.
Pittsburgh Gas & Elec. Fixture Co., 428 Penn., Pittsburgh, Pa.
Pittsburg Gear & Machine Co., 27th & Smallman, Pittsburgh, Pa.
Pittsburgh Grinding Wheel Co., Rochester, Pa.
Pittsburgh Hardwood Floor Co., sash, door & blind, Park Bldg., Pittsburgh, Pa.
Pittsburgh Harness Supply Co., 325 Penn av, Pittsburgh, Pa.
Pittsburgh Heating Co., 8 Wood, Pittsburgh, Pa.
Pittsburgh-Hickson Co., machsts. & fndrs., Butler, Pa.
Pittsburgh High Voltage Insulator Co., Derry, Pa.
Pittsburgh Instrument & Mach. Co., hardness testing mach., 101 Walter, 236 3d, Pittsburgh, Pa.
Pittsburgh Insulating Co., insulating cloth, 96 43d, Pittsburgh, Pa.
Pittsburgh Iron Paint Co., mortar color mfrs., N. S. Pittsburgh, Pa.
Pittsburgh Iron & Steel Foundries Co., Midland, Pa.
Pittsburgh Iron Works, machsts. & fndrs., 2170 Bedford av, Pittsburgh, Pa.
Pittsburgh Knife & Forge Co., Ridge & Chateau, Pittsburgh, Pa.
Pittsburgh Lamp, Brass & Glass Co., machsts. & fndrs., Locust & River, Pittsburgh, Pa.
Pittsburgh Limestone Co., New Castle, Pa.
Pittsburgh Lbr. Co., Braemar, Tenn.
Pittsburgh Mach. Co., New Brighton, Pa.
Pittsburgh Mch. & Supply Co., mill & facty. supplies, 242 3d, Pittsburgh, Pa.
Pittsburgh Machine Tool Co., Braddock, Pa.
Pittsburgh Mach. Tool Co., screw cutting lathes, Corry, Pittsburgh, Pa.
Pittsburgh Mchy. & Equipment Co., mill & facty. supplies, Fulton Bldg., Pittsburgh, Pa.
Pittsburgh Machy. Exchange, dlrs., Keystone Bldg., Pittsburgh, Pa.
Pittsburgh Malleable Iron Co., 34th & Smallman, Pittsburgh, Pa.
Pittsburgh Metal Bed Co., 1136 Brown, Pittsburgh, Pa.
Pittsburgh Metal Brazing Co., elec. welding, 2939 Smallman, Pittsburgh, Pa.
Pittsburgh Metal Spinning & Stamping Co., shade holders, 821 Locust, Pittsburgh, Pa.
Pittsburgh Metallurgical Co., Niagara Falls, N. Y.
Pittsburgh Meter Co., gas & water meters, East Pittsburgh, Pa.
Pittsburgh Model Engine Co., Lexington & McPherson, Pittsburgh, Pa.
Pittsburgh Nipple & Mfg. Co., 30 Carson, Pittsburgh, Pa.
Pittsburgh Oil Refining Co., oils, Pittsburgh, Pa.
Pittsburgh Ornamental Iron Co., S. 20th & Wharton, Pittsburgh, Pa.
Pittsburgh Paint Supply Co., 617 Liberty, Pittsburgh, Pa.
Pittsburgh Paper Box Co., Vanadium Bldg., Pittsburgh, Pa.
Pittsburgh Paving Brick Co., Pittsburgh, Kans.
Pittsburgh & Phila. Oil & Refining Co., Camden, N. J.
Pittsburgh Piping & Equipment Co., 35th & Charlotte, Pittsburgh, Pa.
Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, Pa., & 53 Larned E., Detroit, Mich.
Pittsburgh Pneumatic Co., pneumatic tools, Canton, Ohio.
Pittsburgh Provision & Packing Co., Herrs Island, Pittsburgh, Pa.
Pittsburgh Pump Co., force pumps, 20 4th, Pittsburgh, Pa.
Pittsburgh Reflector & Illuminating Co., Pittsburgh, Pa.
Pittsburgh Reinforced Brazing & Mach. Co., 2515 Liberty, Pittsburgh, Pa.
Pittsburgh Reinforcing Pole Co., 436 6th av, Pittsburgh, Pa.
Pittsburgh Rivet Co., 38th & Junction R. R., Pittsburgh, Pa.
Pittsburgh Safe Co., Connellsville, Pa.
Pittsburgh Saw Co., 216 2d av, Pittsburgh, Pa.
Pittsburgh Scrap Iron Co., second hand pipe, S. 20th & Wharton, Pittsburgh, Pa.
Pittsburgh Screw & Bolt Co., Preble av, Pittsburgh, Pa.
Pittsburgh Seamless Tube Co., Beaver Falls, Pa.
Pittsburgh Shafting Co. of Detroit, steel, tubing, 346 W. Fort, Detroit, Mich.

tsburgh Sheet Metal Co., cornices & skylights, S. 20th & Wharton, Pittsburgh, Pa.
sburgh Shovel Co., also spades, scoops, etc., Oliver Bldg., Pittsburgh, Pa.
sburgh Smelting & Refining Co., Elizabeth & B. & O. R. R., Pittsburgh, Pa.
sburgh Spring & Steel Co., Farmers' Bank Bldg., Pittsburgh, Pa.
sburgh Stained Glass Wks., 6709 Hamilton av, Pittsburgh, Pa.
sburgh Steel Co., iron rolling mills, steel to wire products, etc., 5th av & Grant, Pittsburgh, Pa.
sburgh Steel Foundry, steel castings, House Bldg., Pittsburgh, Pa.
sburgh Steel Products Co., iron & steel rolling Mills, Frick Bldg., Pittsburgh, Pa.
sburgh Steel Stamp Co., stencils, 316 Penn av, Pittsburgh, Pa.
sburgh Supply Co., mill & mine supplies, 244 1st av, Pittsburgh, Pa.
sburgh Terminal Railroad & Coal Co., bituminous, Wabash bldg., Pittsburgh, Pa.
sburgh Testing Laboratory, 612 Grant, Pittsburgh, Pa.
sburgh Tool Steel Wire Co., Monaca, Pa.
sburgh Transformer Co., Columbus & Preble av, Pittsburgh, Pa.
sburgh Trolley & Forge Co., drift pins & forgings, Pittsburgh, Pa.
sburgh Trunk Co., 1041 Gibbon, Pittsburgh, Pa.
sburgh Tube Co., pipe & tube mills, Keystone Bldg., Pittsburgh, Pa.
sburgh Valve & Fittings Co., Frick Bldg., Pittsburgh, Pa.
sburgh Valve, Foundry & Constr. Co., valves, 26th & A. V. R. R., Pittsburgh, Pa.
sburgh Varnish Co., 2640 Liberty av, Pittsburgh, Pa.
sburgh Wall Paper Co., New Brighton, Pa.
burgh Water Heater Co., Jenkins Bldg., Pittsburgh, Pa.
sburgh Waterproof Co., wagon covers, etc., 435 Liberty av, Pittsburgh, Pa.
sburgh White Metal Co., babbitt metal, 3116 Penn av, Pittsburgh, Pa.
burgh White Sand Co., Farmers' Bk. Bldg., Pittsburgh, Pa.
sburgh Wireless Equipment Co., Ridgway, Pa.
burgh Wood Preserving Co., creosoted materials, Century Bldg., Pittsburgh, Pa.
sburgh & Erie Coal Co., bituminous, Erie, Pa.
burgh's Plumbing House, plbrs. supplies, Pittsburgh, Pa.
field Carriage Co., Pittsfield, Mass.
field Junk Co., scrap rubber, Pittsfield, Mass.
field Lime Co., Richmond, Mass.
field Spark Coil Co., coil switches, Pittsfield, Mass.
ton Iron Roofing Co., Pittston, Pa.
ton Stove Co., Pittston, Pa.
John F., patterns & models, 21 Rose row, New York.
& Weber, fndrs, 287 Scholes, Brooklyn, N. Y.
y Safe Co., Toledo, O.
Nephews & Co., crude rubber, 18 B'way, New York.
Engineers, contractors & expansion joints, St. Louis, Mo.
er County Growers' Ass'n, canned goods, Lincoln, Cal.
Carriage Wks., Galion, Ohio.
, W. L., architect, 1208 Chestnut, Phila., Pa.
ek, Jas. W., architect, Acheson Bldg., Berkeley, Cal.
Canning Co., Plain City, Ohio.
field Brass Fndry., Plainfield, N. J.
field Pattern Works, Plainfield, N. J.
s Iron Works Co., indust. cars, Denver, Colo.
ville Canning Co., Plainville, Ind.
tead, B. T., knitted gloves, Hartford, Conn.
beck, H. Wm., contractor, Davenport, Ia.
ondon, A., Mfg. Co., power transmitting machy., 24 N. Clinton, Chicago, Ill.
pin Lithograph Co., advtg. signs, 147 Waverly pl, New York.
, I. C., cornices & skylights, Independence, Ia.
rt, F. W., & Son, ice skates, 941 N. Roby, Chicago, Ill.
t Co., auto trunks, halters, etc., Westfield, Mass.
ng Mill Co., sash, door & blinds, Roaring Springs, Pa.
Flexible Shaft Mach. Co., universal joints, Grand Rapids, Mich.
inton Packing Co, meat, Muskego & Canal, Milwaukee, Wis.
Tractor Co., Plano, Ill.
ifter Milling Co., nc., flour, Okla., Okla..
City Composite Brick Co., Plant City, Fla.
Engng. & Equip. Co., Inc., steam traps, air compressors, etc., 11 John, New York.
Rubber Co., 322 1st av N., Minneapolis, Minn.
en, H., & Son, capsules, 93 Henry, Brooklyn, N. Y.
ers' Chemical & Oil Co., Talladega, Ala.
ers' Cotton Oil Co., Augusta, Ga., & Montgomery, Ala.
ers' Cotton Oil & Fertilizer Co., Rocky Mount, N. C.
ers' Fertilizer & Chemical Co., acid phosphate, Hibernia Bldg., New Orleans, La.
ers' Fertilizer Co., Flowery Branch, Macon & Tennville, Ga.
ers' Fertilizer & Live Stock Co., Buena Vista, Ga.
ers' Fertz. & Phosphate Co., Charleston, S. C.
ers' Hardware & Mill Supply Co., Ltd., Thibodeaux, La.
ers' Lumber Co., Ltd., Jeanerette, La.

Planters Mfg. Co., crates, fruit, package & wood boxes, Portsmouth, Va.
Planters' Oil Co., Albany, Ga.
Planters' Oil & Fertilizer Co., Lilly, Ga.
Planters' Oil Mill, Tunica, Miss.
Planters' Oil Mill & Gin Co., fertilizer mfrs., Kosciusko, Miss.
Planters' Warehouse & Commission Co., fertilizer mfrs., Eutaw, Ala.
Planters' Warehouse Co., fertilizer, Reynolds, Ga.
Planters' Warehouse & Loan Co., Fitzgerald, Ga.
Plaquemine Brickyard, Plaquemine, La.
Plaquemine Stave & Heading Co., Ltd., Plaquemine, La.
Plastergon Wall Board Co., 196 Philadelphia av, Buffalo, N. Y.
Plass, L., Co., steel, 132 Pearl, New York.
Plastic Relief Mfg. Co., woodcarvers, ornaments, 1959 Fulton, Chicago, Ill.
Plastone Co., drainboards & sanitary flooring, Los Angeles, Cal.
Plato, Samuel, architect, Marion, Ind.
Platt, Addison J., agricultural implements, Sterling, Ill.
Platt Bros. & Co., fndrs., Waterbury, Conn.
Platt, Chas. A., landscape architect, 101 Park av, New York.
Platt, Chas. A. E., architect, 14th & Euclid av, Cleveland, Ohio.
Platt, Chas. S., Co., silver solder, 31 Gold, New York.
Platt, Clarence B., stone, Bridgeton, N. J.
Platt & Co., cans & canned goods, Key Highway & Boyle, Baltimore, Md.
Platt & Co., lbr., Onancock, Va.
Platt, Frank S., Co., fertilizer mfrs., New Haven, Conn.
Platt, Frederick Putman, & Bros., architects, 680 B'way, New York
Platt, Geo. A., children's carriages, 489 5th av, Brooklyn, N. Y.
Platt, Hy. B., disinfectants, etc., 42 Cliff, New York.
Platt Iron Works, Co., pumps, oil mill machinery, etc., Dayton, O.
Platt, J. Mills, architect, Cutler Bldg., Rochester, N. Y.
Platt Pressed & Fire Brick Co., Van Meter, Ia.
Platt & Thornburgh Paint Co., 7th & Franklin, St. Louis, Mo.
Platt & Washburn Refin'g Co., oils & greases, 11 B'way, New York.
Platt, Wm. L., Constr. Co., Paterson, N. J.
Platte Valley Canning Co., Denver, Colo.
Platte Valley Cement Tile Mfg. Co., Fremont, Neb.
Plattner Mfg. Co., machst. Denver, Colo.
Plattner Yale Mfg. Co., hay tools, Lincoln, Neb.
Plattsburg Foundry & Machine Co., Plattsburg, N. Y.
Plattsburg Wall Paper Co., Plattsburg, N. Y.
Plaut, L., & Co., elec. & gas light fixture mfrs., 432 E. 23d, New York.
Play O-Lite Co., portables, 1750 Main, Buffalo, N. Y.
Playthings, trade publication, 118 E. 28th, New York.
Plaza Music Co., talk'g Mach., 10 W. 20th, New York.
P. & L. Constrg. Co., 299 B'way, New York.
Pleas Concrete Construction Co., 30 N. La Salle, Chicago, Ill.
Pleasant Grove Canning Co., Pleasant Grove, Utah.
Pleasant River Granite Co., Addison, Me.
Pleasant Valley Shingle Co., lumber, Elbe, Wash.
Plessinger Lbr. Co., Carlton, Wash.
Pleuthner, W. K., architect, 599 5th av, New York.
Plew & Motter, loose leaf devices, 1200 W. Monroe, Chicago, Ill.
Plews, R., Mfg. Co., cornices, Central Falls, R. I.
Plimpton Elevating Truck Co., 70 5th av, New York.
Plimpton & Hills Corp, mill, facty. & plumbers' supplies, Hartford, Conn.
Plimpton, J. E., & Co., machsts. & fndrs., Norwood, Mass.
Plimpton Mfg. Co., plain envelopes, Hartford, Conn.
Plizer, Elias M., stone prod., Watkins, Brooklyn, N. Y.
Plocher, Andrew, Sons Co., arch. iron wks., Dayton, Ohio.
Plock, A. F., safety catches, Park Bldg., Pittsburgh, Pa.
Plock, John, Co., contractor, 221 Huron, Toledo, Ohio.
Plomb Tool Mfg. Co., 2209 Santa Fe av, Los Angeles, Cal.
Plomo Specialty Mfg. Co., gear protective composition, lubricating oils, etc., Belmont Bldg., Cleveland, Ohio.
Plont Mfg. Co., lbr., Marysville, Wash.
Plotkin, S. J., mattresses, Johnstown, Pa.
Plotz, Wm., machst., 401 Champlain av N. W., Cleveland, Ohio.
Plugh, August T., plugs—soil pipe testing, Hoboken, N. J.
Plum Point Canning Co., Plum Point, Md.
Plumb, D. S., clock wks., gears, gauges, movements, etc., Norfolk, nr. Central av, Newark, N. J.
*See adv index at end of book.*
Plumb, Fayette R., chisels & gauges, Tucker & James, Phila., Pa.
Plumber Trade Journal, 64 W. Randolph, Chicago, Ill.
Plumbers' & Factory Supply Co., 33 E. Spring, Columbus, Ohio.
Plumbers', H. & M., Supply Co., 217 E. 58th, New York.
Plumbers' Supply Co., Joplin, Mo.
Plumbers' Woodwork Co., Algoma, Wis.
Plumbing & Mill Supply Co., 840 Baronne, New Orleans, La.
Plumbing Sales Co., plbrs. supplies, 735 W. Lake, Chicago, Ill.
Plumbing Supply Co., Sioux Falls, S. D.
Plume & Atwood Mfg. Co., lamp adapters, 470 Bank, Waterbury, Conn.
Plume, Edw. C., Co., advtg. signs, 417 S. Dearborn, Chicago, Ill.
Plumley, Morris, contractor, Chester, Pa.
Plummer-Adams Construction Co., Springfield, Mo.
Plummer, Chas. F., architect, Story bldg., Los Angeles, Cal.
Plummer, C. M., & H. T., steam fitters' supplies, Portland, Me.
Plummer, D. S., brick, 104 W. 90th, New York.
Plummer, Geo. E., & Son, sashes, doors & blinds, Alameda, Cal.
Plummer, Geo. L., lbr., Union, N. H.

Plummer, H. H., masons' & bldrs.' matls., Menasha, Wis.
Plummer, W. A., Mfg. Co., bags & bagging, 37 Front, San Francisco, Cal.
Plump, G. H., & Sons, contractors, 1415 Mansfield, Cincinnati, O.
Plumstead, Harry T., shoe patterns, Haverhill, Mass.
Plunket, Jas. E., machsts., 1345 W. Lake, Chicago, Ill.
*See adv index at end of book.*
Plunkett, Chas., sink brushes & corn brooms, 205 Duane, New York.
Plunkett Chemical Co., disinfectants, 2540 Cottage Grove av, Chicago, Ill.
Plunkett-Webster Lbr. Co., Inc., 33 W. 42d, New York.
Plunkett, W. C., & Sons, warps, textile machy., Adams, Mass.
Plymouth Canning Co., Plymouth, Wis.
Plymouth Clay Products Co., Fort Dodge, Iowa.
Plymouth Cordage Co., North Plymouth, Mass.
Plymouth Foundry Co., Plymouth, Mass.
Plymouth Fdry. & Machine Co., Plymouth, Wis.
Plymouth Gypsum Co., plaster, Ft. Dodge, Ia.
Plymouth Mfg. Co., wire bound boxes, Plymouth, Ind.
Plymouth Milling Co., Le Mars, Ia.
Plymouth Mills, bolt, nut & rivet mfrs., Plymouth, Mass.
Plymouth Mills, fibre matt'g, 1115 B'way, New York.
Plymouth Rubber Co., cloths, heels, sheets, springs, etc., Canton, Mass.
Plymouth Seam Face Granite Co., 6 Beacon, Boston, Mass.
P. & M., Co. (The), rail anchors, rail anti-creepers, 80 E. Jackson blvd., Chicago, Ill.
Pneumatic Concrete Machinery Co., concrete mixers, Wilson av, Newark, N. J.
Pneumatic Conveyor Co., 37 W. Van Buren, Chicago, Ill.
Pneumatic Cushion Co., auto springs, 179 Grove, San Francisco, Cal.
Pneumatic Cushion Rubber Heel Co., 19 Lincoln, Boston, Mass.
Pneumatic Gate Co., 1921 S. Fairfield av, Chicago, Ill.
Pneumatic Mfg. Co., buckets, life preservers, boat fenders, etc., 123 Pacific, Brooklyn, N. Y.
Pneumatic Scale Corp., automatic weighting, sealing & packing machine mfrs., Norfolk Downs, Mass.
Pneumatic Transit Co., pneumatic tubes, 926 Columbia, Philadelphia, Pa.
Pneumelectric Machine Co., coal mining machinery, etc., Syracuse, N. Y.
Pneumercator Co., water level gauges, 15 Park Row, New York.
Pneuvac Co., hand vacuum cleaners, 51 Jackson, Worcester, Mass.
Poage, R. C., Milling Co., flour, Ashland, Ky.
Po Ambo Chem. Co., naphthylamine beta, Matawan, N. J.
Pocahontas Coke Co., Bluefield, W. Va.
Pocahontas Fndry. & Mach. Co., Keystone, W. Va.
Pocahontas Fuel Co., Inc., coal mine, Pocahontas, Va.
Pocahontas Guano Co., fertilizer mfrs., Lynchburg, Va.
Pocahontas Lbr. Co., Brookville, Pa., & Corinth, Miss.
Pocahontas Mining Co., coal mine, Belleville, Ill.
Pocasset Mfg. Co., cotton sheetings, Fall River, Mass.
Pocher, B. H., & Co., contractors, 880 Main, Cambridge, Mass.
Pockels Drug, Glass & Paint Co., Jefferson & Gravois, St. Louis, Mo.
Pocock, W. H., contractor, 1115 Gladstone, Detroit, Mich.
Pocomoke Foundry & Machine Wks., Pocomoke City, Md.
Pocomoko Guano Co., fertilizer mfrs., Norfolk, Va.
Pocono Metal Mfg. Co., Inc., bathroom fixtures & stamping, East Stroudsburg, Pa.
Pocono Rubber Cloth Co., Trenton, N. J.
Podmore, Thos., architect, Bennett Bldg., Wilkes-Barre, Pa.
Poe, E. A., Brick Co., Fayetteville, N. C.
Poe, F. W., Mfg. Co., cotton sheetings, Greenville, S. C.
Poe Hardware & Supply Co., Greenville, S. C.
Pockel, T. Sch. & Co., yacht bldg. & marine railway, Neponset, Boston, Mass.
Poeter, E., & Co., metal nov. & spec., 1168 S. Grove, Newark, N. J.
Poeppel, Emil, metal novelties, 1800 Berenice av, Chicago, Ill.
Poggensee Brush Co., bottle washers, 1923 Armitage av, Chicago, Ill.
Poggi, C. Godfrey, architect, 2 Julian pl, Elizabeth, N. J.
Pogue Lumber Co., masons' & bldrs.' matls., Hinckley, & Waterman, Ill.
Pohl, Geo. D., Mfg. Co., machsts. & fndrs., Vernon, N. Y.
Pohl, Jno. E., cornices, Lancaster, Pa.
Pohlkamp, H., contractor, Covington, Ky.
Pohlmann, John W., Fndry. Co., 205 Baitz av, Buffalo, N. Y.
Poinsett Lbr. & Mfg. Co., Truman, Ark.
Point Lobos Canning Co., Monterey, Cal.
Point Marion Glass Novelty Co., Point Marion, Pa.
Point Marion Window Glass Co., Point Marion, Pa.
Point Milling & Mfg Co., barytes, Mineral Point, Mo.
Pointe Coupee Stave & Lumber Co., New Orleans, La.
Poirot, A. P., contr., Belleville, Ill.
Poitevent & Favre Lbr. Co., L. & L. & G. Bldg., New Orleans, La.
Polacheck, Chas., & Bro. Co., elec. & gas light fixtures, 217 3d, Milwaukee, Wis.
Polachek, John, Bronze & Iron Co., 480 Hancock, Long Island City, N. Y.
Polack Co., bristles, horse & goat hair, 249 Pearl, New York.
Polack Tyre & Rubber Co., 1876 B'way, New York.
Polan, Katz & Co., umbrella mfrs., 2 Market Pl., Balto., Md.



Poland Laundry Mach'y Co., 47 Kemble, Boston, Mass.
Poland Paper Co., Mechanic Falls, Me.
Poland, W. A., architect, 9 S. Stockton, Trenton, N. J.
Polar Mfg. Co., stationers' specialties, 101 N. Marshall, Philadelphia, Pa.
Polar Still Co., water, 24 S. Clinton, Chicago, Ill.
Polay Fixture Service Co., window display fix., 515 N. Halsted, Chicago, Ill.
Polenske Bros., Schellak & Co., brick, Hastings, Neb.
Poley, J. Vincent, architect, Royersford, Pa.
Polhemus, Mackenzie & Coffin, architects, 15 E. 40th, New York.
Polhemus, P. B., architect, Roselle Park, N. J.
Polhemus, P. B., contractor, 110 W. 34th, New York.
Polish Prod. Co., metal, furniture & shoe polish, Kansas City, Mo.
Politano, D., Bros., contractors, 607 Webster av, Pittsburgh, Pa.
Politure Chemical Co., soap, St. Louis, Mo.
Polk, A. J., & Son Co., machsts., Millersburg, Pa.
Polk-Genung Polk Co., steel tanks, Fort Branch, Ind.
Polk, J. T., Co., canned goods, Greenwood, Ind.
Polk, R. L., Co., directory publishers, 21 Howard, Detroit, Mich.
Polk, W. C., flour mill, Hindsville, Ark.
Poll, H. P., architect, Vermont Bldg., Salt Lake City, Utah.
Poll, J. C., contractor, Danville, Ill.
Pollack, Henry, Trunk Co., Dallas, Tex.
Pollack, Max., & Co., cotton thread, 12 E. 22d, New York.
Pollak, Max, archtl. & ornament. iron, 505 E. 76th, New York.
Pollak Steel Co., axles & forgings, Cincinnati, O., New York City, Chicago, Ill., & Hobart bldg., San Francisco, Cal.
Pollard-Alling Mfg. Co., mchsts. & fndrs., 312 E. 23d, New York.
Pollard, C. A., Co., lock corner box machy., etc., Newfields, N. H.
Pollard, C W., contractor, Richmond, Va.
Pollard & Campbell, contrs., Omaha, Neb.
Pollard Engng. Co., machsts., 169 N. Jefferson, Chicago, Ill.
Pollard, Geo. Mort., architect, 347 5th av, New York.
Pollard, J. G., tool mfrs., 141 Raymond, Brooklyn, N. Y.
Pollard, John H., architect, Fort Worth Natl. Bk. Bldg., Fort Worth, Tex.
Pollard Lbr. Co., Westport, Cal.
Pollard, M. J. C., contractor, Columbus, Ga.
Polleys Lbr. Co., Missoula, Mont.
Pollitz Le Fort & Keon, carriage robes, 3d & Huntington, Philadelphia, Pa.
Pollmar & Ropes, architects, 45 State, Detroit, Mich.
Pollock, Alex., Co., mill & facty. supplies, 203 West, New York.
Pollock Brush Co., brushes, 25-27 N. Fourth, Easton, Pa.
Pollock Fertilizer Co., Fidelity Bldg., Baltimore, Md.
Pollock, Geo., Co., bridge contrs., Sacramento, Cal.
Pollock Ink Co., printing inks, 212 Elm, Buffalo, N. Y.
Pollock, Mayer, machy. & metal dealers, Pottstown, Pa.
Pollock, Robt. S., Co., contractors, 118 E. 28th, New York.
Pollock, S., & Son, masons' & bldrs.' matls., Coldwater, Mich.
Pollock, Wm. B., Co., steel structural wk., etc., Youngstown, O.
Pollock & Taber Consulting Civil Engrs., Park Row bldg., New York
Polo Mach. Co., gas & oil engines, Polo, Ill.
Polsey, J. N., & Co., packing box mfrs., Pawtucket, R. I.
Polson Mfg. Co., automobile wind shields, Buffalo, N. Y.
Polson, Wm., & Co., sash, door & blind mfrs., Saginaw, Mich.
Polson, W. J., Co., 18th & Indiana av, Kansas City, Mo.
Polygon Products Co., rust dissolver, 141 Milk, Boston, Mass.
Polytechnic College of Engineering, Oakland, Cal.
Polytechnic Institute, engng. school & college, 85 Livingston, Brooklyn, N. Y.
Polzella, Frank D., contractor, 512 Cortlandt av, New York.
Pomaria Oil Mfg. Co., meal, Pomaria, S. C.
Pomeroy Chemical Co., bromine, chloride of calcium & salt, Pomeroy, Ohio.
Pomeroy Constr. Co., 1609 Ranstead, Philadelphia, Pa.
Pomeroy, E. A., contractor, Gloucester, Mass.
Pomeroy & Fischer, varnish mfrs., wood fillers, etc., 95 Madison av, New York.
Pomeroy Ink Mfg. Co., 55 E. Park, Newark, N. J.
Pomeroy, John S., Co., contractors, Gloucester, Mass.
Pomeroy Machine Co., Pomeroy, Ohio.
Pomeroy, S. H., Co., fire-proof windows, 282 E. 134th, New York.
Pomeroy Salt Assn. Co., Pomeroy, Ohio.
Pomeroy & Stellrecht, machsts., 582 Kensington av, Buffalo, N. Y.
Pomona Mfg. Co., machinists, Pomona, Cal.
Pomona Terra Cotta Co., Pomona, N. C.
Pomona Valley Canning Co., Pomona, Cal.
Pompeiean Mfg. Co., water automatic heaters, 2104 Superior av, Cleveland, Ohio.
Ponca City Milling Co., flour, Ponca City, Okla.
Pond Creek Coal Co., Stone, Ky.
Pond, E. K., Packing Co., 517 W. 24th pl, Chicago, Ill.
Pond, J. E., & Son, sash, door & blind mfrs., Crown Point, N. Y.
Pond, L. W., Mach. & Fndry. Co., Worcester, Mass.
Pond Lumber Co., Conneaut, Ohio.
Pond & Pond, architects, 64 E. Van Buren, Chicago, Ill.
Pond & Robinson, landscape archts., 101 Tremont, Boston, Mass.
Pondelick Bros., engine pistons, 215 S. Leavitt, Chicago, Ill.
Pondville Woolen Mills, Auburn, Mass.
Pons & Sunday, contractors, Pensacola, Fla.
Ponsford, H. T., contractor, El Paso, Tex.
Pontiac Planing Mill Co., sash, door & blind, Pontiac, Mich.

.iac Shingle Co., Seattle, Wash.
tiac Tractor Co., Pontiac, Mich.
tiac Varnish Co., Pontiac, Mich.
toosuc Woolen Mfg. Co., steamer rugs, Pittsfield, Mass.
totoc Cotton Oil Co., Pontotoc, Miss.
ty, D. H., Jr., architect, Port Chester, N. Y.
tz, A. F., & Co., whol. hdwe., Lancaster, Pa.
tz, Adam, brick, Lancaster, Pa.
tz, Fred D., plbrs. supplies, Lancaster, Pa.
tz, Jacob, common brick, Lancaster, Pa.
e Brass Fdry. Co., Butler, Pa.
le-Dean Co., steel structural wk., Portland, Ore.
le, E. H., & Co., machsts. & fndrs., 1513 Orleans, Balto., Md.
e Engineering & Machine Co., machy. mfrs., Woodberry sta., Baltimore, Md.
le, J. Morton Co., brass & grey iron castings, etc., ft. of Thomas, Wilmington, Del.
le, Jas. W., speaking tubes, 16 Columbia, Boston, Mass.
le Mfg. Co., boiler cleaners, 325 Columbus av, Boston, Mass.
le Piano Co., Cambridge, Mass.
le, T. H., & Co., archts., Colorado Bldg., Washington, D. C.
le, Thomas H., & Co., decorative archts., 13 W. 30th, N. York.
le, Wm., contractor, Springfield, Ohio.
ler, W. J., contractor, Ogdensburg, N. Y.
, C. O., architect, 537 Congress, Portland, Me.
rman, H. B., Box Mfg. Co., pckg. box mfrs., 10th & Howard, St. Louis, Mo.
rman, J. E., tap wrenches, 1825 Bristol, Philadelphia, Pa.
rman, O. O., Co., machinist, New Bremen, Ohio.
s, John, cornices & skylights, Dayton, Ky.
e, B. F., crushed stone, Law Bldg., Baltimore, Md.
e & Burton, archts., Newhouse Bldg., Salt Lake City, Utah.
e Cannon Box Co., pckg. box mfrs., Geneva, Ill.
e, Chas., sugar refineries, McCormick Bldg., Chicago, Ill.
e, Chas. A., parquet floors, 320 E. 95th, New York.
e-Gosser China Co., Conshohocken, Pa.
e, J. T., flour, Dublin, Ga.
e, Jno. Russell, architect, 527 5th av, New York.
e, Jos., contractor, Jefferson City, Mo.
e, L. A., contractor, Rock Hill, S. C.
e Mfg. Co., fertilizer, Washington, Ga.
e Mfg. Co., motor cycles & motor fire engines, Hartford, Conn.
e, T. J., butchers' knives, Sauquoit, N. Y.
e & Talbot, lumber, ft. of 3d, San Francisco, Cal.
e Trading Co., metal dlrs., 90 West, New York.
e, Wm. A., heating contrs., 26 N. Jefferson, Chicago, Ill.
kin, Charles Adrian, architect, Sapulpa, Okla.
lar Bluffs Handle Wks., Poplar Bluffs, Mo.
, Jas., buttons, 334 S. Clinton, Chicago, Ill.
p, John C., brick, Perryville, Mo.
& Wolf Hwde. Co., Saginaw, Mich.
penberger, Wm., & Son, contrs., 735 York, St. Paul, Minn.
per, Leon, & Sons, glass, 143 Franklin, New York.
pke & Son, archtl. & ornamentl. iron, 805 Lex. av, Brooklyn, N. Y.
ple & Knowles Co., cornices & skylights, Seattle, Wash.
plein, G. & N., paint & varnish mfrs., 220 Guilford, Balto., Md.
ular Mechanics Magazine, trade publication, 6 N. Michigan av, Chicago, Ill.
ath, Ferd., & Son, contrs., Free Press Bldg., Detroit, Mich.
peck Dust Arrester & Blow Pipe Co., 2017 B'way, St. Louis, Mo.
cela Radax Co., tile & marble clnrs., Bessemer Bldg., Pittsburgh, Pa.
celain Enamel & Mfg. Co., signs & table tops, 8th & O'Donnell, Baltimore, Md.
celain Enameling Assn. of Amer., Sheboygan, Wis.
cupine Co., boilers, Bridgeport, Conn.
corney, B. W., & Co., brass works, 132 S. Clinton, Chicago, Ill.
parato, Jno. A., archt., 619 Wash., San Francisco, Cal.
ritt, Chas. H., contractor, Fargo, N. D.
Arthur Cooperage Co., Port Arthur, Tex.
Barre Timber & Tie Co., Port Barre, La.
Blakeley Mill Co., 544 Market, San Francisco, Cal.
Byron Lime Assn., Port Byron, Ill.
Byron Material & Fuel Co., Rock Island, Ill.
Chester Mach. Wks., Port Chester, N. Y.
Clinton Buggy Co., carriages, Port Clinton, Ohio.
Costa Brick Works, 618 Mission, San Francisco, Cal.
Crescent Shingle Co., Joyce, Wash.
Deposit Quarry Co., bldg. granite; grits & meal, Port Deposit, Md.
Gibson Oil Wks., Port Gibson, Miss.
Hy. Iron Ore Co., 2 Rector, New York.
Huron Const. Co., machsts., Port Huron, Mich.
Huron Engine & Thresher Co., Port Huron, Mich.
Huron Sulphite & Paper Co., Port Huron, Mich.
Morris Castings Co., 138th & Locust av, New York.
Morris Chem. Wks., 141st & Locust av, New York.
Republic Fndry., Port Republic, Va.
Republic Milling Co., flour, Port Republic, Va.
Townsend Pile Driving Co., Port Townsend, Wash.
Wentworth Lbr. Co., Savannah, Ga.
able Bank Sawmill, Inc., sawmill machy., 239 E. 86th, New York.

Portable Const. Co., 50 Church, New York.
Portable Elec. Safety Light Co., 10 Johnson, Newark, N. J.
Portable Elec. Searchlight Co., Boston, Mass.
Portable Elevator Mfg. Co., portable grain elevator & wagon dumps, Bloomington, Ill.
Portable Machy. Co., Inc., wagon loaders, Passaic, N. J.
Portage Brick Co., Hollidaysburg, Pa.
Portage Entry Redstone Co. (Ltd.), Houghton, Mich.
Portage Hosiery Co., lumbermen's socks, Portage, Wis.
Portage Lake Foundry & Machine Co., machsts. & fndrs., Hancock, Mich.
Portage Lake Hdw. Co. (Ltd.), cornices & skylights, Houghton, Mich.
Portage Rubber Co., tires, Akron, Ohio.
Portage Silica Co., sand & gravel dlrs., etc., Youngstown, Ohio.
Portageville Bluestone Co., Portageville, N. Y.
Porter & Boyd, contractors, Charlotte, N. C.
Porter Bros., contractors, Ry. Exch. Bldg., Portland, Ore.
Porter Bros. Co., contractors, Spokane, Wash.
Porter Bros., lbr., Palatka, Fla.
Porter-Burnham Co., contractors, Portland, Me.
Porter, C. B., Co., tinware mfrs., 128 N. 2d, Philadelphia, Pa.
Porter, C. O., Mchy. Co., Grand Rapids, Mich. *See adv. index at end of book.*
Porter-Cable Mach. Co., Syracuse, N. Y.
Porter, Chas. M., contractor, 111 W. Washington, Chicago, Ill.
Porter Chemical Co., toys, Hagerstown, Md.
Porter Co., lamps, fire trumpets, etc., 241 Water, New York.
Porter & Co., willow ware mfrs., 27 Creek sq., Boston, Mass.
Porter, Cyrus K., & Sons, architects, 73 W. Eagle, Buffalo, N. Y.
Porter Fertilizer Co., Atlanta, Ga.
Porter, Finley Robertson, Co., automobile bldrs., Port Jefferson Station, Long Island City, N. Y.
Porter, Frank, Lumber Co., 11 S. La Salle, Chicago, Ill.
Porter, G. W., & Son, mchsts. & fndrs., Punxsutawney, Pa.
Porter, H. K., bolt & rivet clippers; rod & wire, storage battery & electric wire cutters mfrs., 6 Ashland, Everett, Mass. *See adv index at end of book.*
Porter, H. K., Co., locomotive mfrs., Union Bank Bldg., Pittsburgh, Pa.
Porter Iron Roofing & Corrugating Co., iron & steel roofing & siding, 522 Culvert, Cincinnati, Ohio.
Porter, J. E., Co., agricultural implements, Ottawa, Ill.
Porter, J. N. W., bldg. contrs., Norfolk, Va.
Porter, Jas., contractor, Carlisle, Pa.
Porter, John S., & Co., contractors, 3711 Coleraine av, Cincinnati, O.
Porter, Lew F., architect, Madison, Wis.
Porter Lumber Co., Reinbeck, Ia., & Chelyan, W. Va.
Porter Mach. Co., pulleys, clutches, couplings, Wooster, Ohio.
Porter Machine Works, engine lathes, Hatfield, Mass.
Porter & Moore Co., see Atlantic Supply Co., Inc., (successor).
Porter Rubber Co., tires, Salem, O.
Porter, S., & Co., wooden shoe lasts, 25 Union, Worcester, Mass.
Porter, S. J., architect, Tipton, Ind.
Porter Safety Seal Co., 163 W. Harrison, Chicago, Ill.
Porter & Schreiber, architects, Brandeis Theatre bldg., Omaha, Nebr.
Porter Screen Co., Burlington, Vt.
Porter, W. H., freight elevators, 30 Wendell, Boston, Mass.
Porter-Wadley, lbr. mfrs., Cotton Valley, La.
Porterfield, Ira J., mattresses, 2019 Ridge av, Philadelphia, Pa.
Porterville Magnesite Co., San Francisco, Cal.
Porteus Walker Co., contractors, Hartford, Conn.
Portia Lbr. Co., Jonesboro, Ark.
Portland Art Glass Wks., Portland, Ore.
Portland Basket & Handle Co., Portland, Ore.
Portland Body Wks., Portland, Ind.
Portland Bridge Co., Yeon Bldg., Portland, Ore.
Portland Bridge & Bldg. Co., Portland, Ore.
Portland Bridge & Iron Co., Portland, Ore.
Portland Cement Co. of Utah, Salt Lake City, Utah.
Portland Co., freight elev., mill & fact'y. supplies, ship & marine engine bldrs., etc., Portland, Me.
Portland Contracting Co., Pottsville, Pa.
Portland Cooperage Co., barrel bungs, Portland, Me.
Portland Cordage Co., 14th & Northrup, Portland, Ore.
Portland Drain Tile Co., Portland, Ind.
Portland Egg Case Co., Portland, Ind.
Portland El. Maintenance Co., switchboards, Portland, Ore.
Portland Elevator Co., Portland, Ore.
Portland Extension Ladder & Pole Co., 130 Orange, Newark, N. J.
Portland Flouring Mills Co., Portland, Ore.
Portland Foundry Co., Portland, Mich.
Portland Garage Co., auto. turntables, Portland, Me.
Portland Granite Co., Racine & Waterloo, Wis.
Portland Iron Works, 14th & Northrup, Portland, Ore.
Portland Linseed Oil Wks., Portland, Ore.
Portland Lbr. Co., Portland, Ore., & St. Marys, Pa.
Portland Machinery Co., 62 1st, Portland, Ore.
Portland Mfg. Co., Veneer Panels, ft. Richmond, Portland, Ore.
Portland Marine Supply Co., mill & factory supplies, Portland, Ore.
Portland Milling Co., flour, Portland, Mich., & Tenn.
Portland-Monson Slate Co., slate for electrical purposes mfrs., Portland, Me. *See adv index at end of book.*

Portland Packing Co., canned goods, Portland, Me.
Portland Products Co., canned goods, South Portland, Me.
Portland Pulley Co., wood split, Portland, Ore.
Portland Railway Light & Power Co., Portland, Oregon.
Portland Rendering Co., fertilizer mfrs., Portland, Me., & Ore.
Portland Rice Milling Co., Portland, Ore.
Portland Rubber Co., Portland, Me.
Portland Rubber Mills, mech'l rubber goods, 368 E. 9th, S. Portland, Ore.
Portland Seed Co., fertz. mfrs., Portland, Ore.
Portland Shipbldg. Co., wooden ship bulds., 257 Front, S., Portland, Me.
Portland Silo Co., Portland, Ind.
Portland Specialty Mfg. Co., machsts. & fndrs., Portland, Conn.
Portland Stone Co., Met. Life Bldg., St. Paul, Minn.
Portland Stone Ware Co., 49 Federal, Boston, Mass.
Portland Stove Fndry. Co., Portland, Me.
Portland Stove Wks., Portland, Ore.
Portland Tent & Awning Co., Portland, Ore.
Portland Trunk Mfg. Co., 60 3d, Portland, Ore.
Portland Wire & Iron Wks., Portland, Ore.
Portland Wood Pipe Co., Portland, Ore.
Portland Woolen Mills, blankets, Portland, Ore.
Portman, Albert F., cornices & skylights, Massillon, O.
Portsmouth Chemical Co., Portsmouth, Ohio
Portsmouth Construction Co., Portsmouth, Ohio.
Portsmouth Contractors Supply Corp., Portsmouth, Va.
Portsmouth Cotton Oil Refining Corp., cotton seed oil refiners, Portsmouth, Va.
Portsmouth Fdry. Co., Portsmouth, N. H.
Portsmouth Machy. Wks., Portsmouth, Va.
Portsmouth Marine Ry., dry docks, etc., Portsmouth, Va.
Portsmouth Paving Brick Co., New Straitsville & Portsmouth, O.
Portsmouth Refractories Co., brick, cupola lining, etc., Portsmouth, & New Straitsville, Ohio.
Portsmouth Solvay Coke Co., coal mine, Syracuse, N. Y.
Portsmouth Stove & Range Co., Portsmouth, Ohio.
Portsmouth Supply Co., mill & facty. supplies, plbrs.' supplies, Portsmouth, O.
Portsmouth Veneer & Panel Co., Portsmouth, Ohio.
Posern, Herman, sweaters, cardigans, etc., 1808 South, Phila., Pa.
Posey Mfg. Co., sounding boards, Hoquiam, Wash.
Positive Differential System Co., steam heating system, 9 Murray, New York.
Positive Lock Washer Co., Avenue A, Newark, N. J.
Poss, J. A., contractor, Springfield, Ohio.
Posselius Bros., Furniture Mfg. Co., woodworking machy., 1111 Harper, Detroit, Mich.
Possin, Theo., & Co., cornices & skylights, Roanoke, Va.
Post, A. A., architect, Brisbane Bldg., Buffalo, N. Y.
Post Canyon Lbr. Co., Hood River, Ore.
Post, C. E., & Co., elec. & gas light fixtures, 399 W, ab. 26th, Los Angeles, Cal.
Post, C. M., Co., carriages, 223 Halsey, Newark, N. J.
Post, E. L., & Co., babbitt metal & valve discs, 50 Cliff, New York.
Post Falls Lbr. & Mfg. Co., Post Falls, Idaho.
Post, Fred, Co., architects' & engineers' supplies, 3635 Hamlin av, Chicago, Ill.
Post, G. A., contractor, Port Jervis, N. Y.
Post, Geo. B., & Sons, architects, 101 Park av., New York & Schofield Bldg., Cleveland, Ohio.
Post, Geo. M., architect, Salem, Ore.
Post, Glover Elec. Co., 308 W. 4th, Cincinnati, Ohio.
Post, H. L., & Son, contrs., Camden, N. J.
Post, J. J. Hardware Co., Cheboygan, Mich.
Post, J. Otis, architect, 101 Park av, New York.
Post, Jotham, brick, Glen Head, N. Y.
Post & Lester Co., machsts., Hartford, Conn.
Post & McCord, contractors, 101 Park av, New York.
Post Publishing Co., pads & tablets, Appleton, Wis.
Post, Wm. S., architect, 101 Park av, New York.
Postal Paint & Color Co., 9420 Meech av, Cleveland, Ohio.
Poste Bros. Buggy Co., Jefferson & Curtis avs. Columbus, Ohio.
Postel, Ph. H., Milling Co., flour, Mascoutah, Ill.
Postle, D. C., brick, Mount Victory, Ohio.
Postle, David E., architect, Elgin, Ill.
Postle, W. S., brick, Camp Chase, Ohio.
Poston, Clarence E., brick, Attica, Ind.
Poston Paving Brick Co., Crawfordsville, Ind.
Postor Baler Co., paper, Chillicothe, Ohio.
Post's, John C., Sons, glass, 52 S. Division, Buffalo, N. Y.
Postum Cereal Co. (Ltd.), foods, Battle Creek, Mich.
Postville Clay Products Co., brick, Postville, Ia.
P. & O. Supply Co., foundry ladles & ladle shanks, Hanover & Florida, Milwaukee, Wis.
Posy & Sons, coffins, Juniper, Ga.
Potato Implement Co., Traversy City, Mich.
Potdevin Machine Co, envelope, bag, corrugated paper & pasting machines, etc., 1221 38th, Brooklyn, N. Y.
Poteet, A. J., archt., Hardin Bldg., Lakeland, Florida.
Potlatch Lbr. Co., Potlatch, Idaho.
Potomac Fire Brick Co., common, Piedmont, W. Va.
Potomac Glass Co., Cumberland, Md.
Potomac Lime & Stone Co., Frederick, Md.
Potomac Milling & Ice Co., flour, Keyser, W. Va.



Potosi Tie & Lbr. Co., Potosi, Mo.
Potsdam Milling Co., flour, Potsdam, N. Y.
Potsdam Red Sandstone Co., Potsdam, N. Y.
Potter, A. D., masons' & bldrs.' matls., Orange, Mass.
Potter, A. L., & Co., lumber, Norwich, Conn.
Potter, Alex., mill engineer, 50 Church, New York.
Potter Bros., bobbins, South Scituate, R. I.
Potter, C. D., Co., hdwe. mfrs. (piano), Stamford, Conn.
Potter, Chas. F., contractor, Wakefield, R. I.
Potter, Collamore & Co., machsts., Warren, R. I.
Potters Co. Operative Co., china, East Liverpool, Ohio.
Potter, D. M., brick, Fremont, Ohio.
Potter, E. B., architect, Glens Falls, N. Y.
Potter, F. M., heating contrs., Aberdeen, Wash.
Potter, Frank E., masons' & bldrs. matls., River Point, R. I.
Potter, Fred J., machsts., New Brunswick, N. J.
Potter Hardware Co., Alpena, Mich.
Potter, H. J., lbr., Ridgefield, Wash.
Potter, Howard N., architect, 35 E. 30th, New York.
Potter-Hoy Hardware Co., Bellefonte, Pa.
Potter, J. A., & Co., lbr., Crary, Providence, R. I.
Potter J. Ellsworth, architect, 947 Leaders-News bldg., Cleveland, Ohio.
Potter & Johnston Machine Co., milling machines, etc., Pawtucket, R. I.
Potter, Jos. R., & Co., lbr., sash, door, etc., mfrs., 270 W. 126th, New York.
Potter, M. H., & Sons, masons' & bldrs. matls., Morrison, Ill.
Potter Mfg. Co., hardware specialties, Geneva, Ohio.
Potter Mfg. Co., junction boxes, 1060 Superior av, N. W., Cleveland, Ohio.
Potter Mfg. Co., sewer & trench excavating machines, 3505 E. Washington, Indianapolis, Ind.
Potter-Morgan Mfg. Co., machsts., Fishkill-on-the-Hudson, New York.
Potter, P. W., & Co., sashes, doors & blinds, Silverton, Ore.
Potter Printing Press Co., see Premier & Potter Printing Press Mfg. Co. (successor).
Potter, Robert, ladders, Orwell, N. Y.
Potter, S. A., Tool & Machine Wks., machinists, 79 E. 130th, New York.
Potter & Snell, glove buttoners, Deep River, Conn.
Potter, Teare & Co., sashes, doors & blinds, 1918 Carter rd, Cleveland, Ohio.
Potter, Thos., Son & Co., linoleum mfrs., 2d & Erie av, Phila, Pa.
Potter, V. W., mach. & fndr., Oelwein, Ia.
Potter & Wrightington, dog biscuits, Board of Trade Bldg., Boston, Mass.
Potter, Wm., stone producers, Ansonia, Conn.
Potter, Wm. Woodburn, architect, 603 Chestnut, Philadelphia, Pa.
Potter, Wilson, architect, 22 E. 17th, New York.
Potter, Myron P., architect, 8820 Carnegie av, Cleveland, Ohio.
Potter, Robert Burnside, architect, Antietan Farm, Smithtown, N. Y.
Potters Mining & Milling Co., East Liverpool, Ohio.
Potters Supply Co., East Liverpool, Ohio.
Potterton Bros., contractors, 215 W. 28th, New York.
Pottier & Stymus Co., wooden mantels, 375 Lexington av, New York.
Pottle, Geo. V., architect, David Whitney Bldg., Detroit, Mich.
Potts Bros., glass bevelers & embossers, 173 Grand, New York.
Potts, C. & A. & Co., clay machy. mfrs., Indianapolis, Ind.
Potts, D. H., benches, anvils, etc., Lancaster, Pa.
Potts, Hy., & Co., iron & steel brkrs., Real Estate Trust bldg., Philadelphia, Pa.
Potts, Horace T., & Co., steel imptrs., 316 W. 3d, Phila., Pa.
Potts Mfg. Co., machsts. & fndrs., Mechanicsburg, Pa.
Potts, R. L., & Son, flour mills, White's Station, Ky.
Potts, W. F., Son & Co., tin plate, etc., 1224 Cherry, Phila., Pa.
Potts, Wm. A., Co., contractors, Law Bldg., Baltimore, Md.
Pottstown Mach. Co., Pottstown, Pa.
Pottsville Bolt Co., R. R. track spikes, Pittsburgh & Pottsville, Pa.
Pottsville Fndry & Stove Co., Pottsville, Pa.
Pottsville Supply Co., plumbers, mill & faty. supplies—jobbers, who. hdwe., Pottsville, Pa.
Poughkeepsie Chair Co., Poughkeepsie, N. Y.
Poughkeepsie Cutlery Wks., Inc., Poughkeepsie, N. Y.
Poughkeepsie Fndry. & Mach. Co., Poughkeepsie, N. Y.
Poulan Cotton Mills, Poulan, Ga.
Poulin, J., Granite Co., Montpelier, Vt.
Poulsen, Sofus S., Inc., contr., Waterbury, Conn.
Poulton, Edwin, & Co., fndrs., 15 S. Scioto, Columbus, Ohio.
Pounder, Geo. H., agricultural implements, Fort Atkinson, Wis.
Pouvailsmith Corp., auto accessories, Poughkeepsie, N. Y.
Povey Bros. Glass Co., Portland, Ore.
Powdered Coal Engineering & Equip. Coal Dust Burners Co., 2401 W. Washington blvd, Chicago, Ill.
Powe, Thos. E., Lumber Co., 24 Branch, St. Louis, Mo.
Powell, B. A., contr., Mexico, Mo.
Powell, Benj., ladders, Springfield, Mass.
Powell Box Co., Ltd., 115 University Place, New Orleans, La.
Powell Brass Mfg. Co., fndrs., Grand Rapids, Mich.
Powell Bros., contractor, Alameda, Cal., & 11 S. La Salle, Chicago, Ill.

owell, C. E., flour mills, Parksville, Ky.
owell, C. L., contractor, American Bk. bldg., Los Angeles, Cal.
owell, Chas. H., lumber, Tyner, Ind.
owell, Clouds & Co., mill & facty. supplies, 602 Arch, Philadelphia, Pa.
owell Construction Co., Mattoon, Ill.
owell, Francis G., architect, 111 Columbia rd, Dorchester, Boston, Mass.
owell Hardware Co., cornices & skylights, St. Cloud, Minn.
owell, John R., architect'l & ornamental iron, 500 Leonard, Brooklyn, N. Y.
owell, Jno. R., miners' squibs, Plymouth, Pa.
owell & Jones, felts, 3544 Rhodes av, Chicago, Ill.
owell Land & Lbr. Co., Lusk, Tex.
owell Lumber Co., Ltd., Lake Charles, La.
owell, M. W., Co., felts, roofing tile, etc., 140 S. Dearborn, Chicago, Ill.
owell Machine Co., metal working planers, 243 Stafford, Worcester, Mass.
owell & Mitchell, dock oldrs., Marquette, Mich.
owell Muffler & Timer Co., Utica, N. Y.
owell, Robert, & Co., contrs., Sacramento, Cal.
owell Sealer & Tape Mfg. Co., Westerville, Ohio.
owell Steel Kitchen Co., 219 Loomis, Chicago, Ill.
owell, W. Angelo, landscape arch., 615 S. 15th, St. Joseph, Mo.
owell, W. C., architect, Candler Bldg., Atlanta, Ga.
owell, W. S., architect, Ebensburg, Pa., & Johnstown, Pa.
**OWELL, WM., CO., THE,** valve mfrs., Cincinnati, Ohio.
*See adv. index at end of book*
owell, Wm. F., mill & facty. supplies, Clearfield, Pa.
owell, Wm. R., architect, Hippodrome Bldg., Cleveland, Ohio.
owell, Wm. T., contractor, 508 4th av, Pittsburgh, Pa.
owell Trailor Co., auto trailors, Corry, Pa.
owell & Gaven, contrs., Collinsville, Ill.
owellville Canning Co., Powellville, Md.
ower, trade publication, 10th av & 36th, New York.
ower Boating, trade publications, E. 12th & Chester, Cleveland, Ohio.
ower, Chas. A., plate glass, sash, door & blind mfrs., Springfield, Ill.
ower, Chas. O., architect, Medford, Ore.
ower Efficiency Corp., shaking grates, White bldg., Buffalo, N. Y.
ower Equipment Co., contractors, Toledo, Ohio.
ower Equip. Co., machy. dlrs., 1218 Chestnut, Philadelphia, Pa.
ower Equipment Co., machinery, 212 3d av N., Minneapolis, Minn.
ower Equipment Co., mill & facty supplies, 343 S. Dearborn, Chicago, Ill.
ower Farming, trade publication, St. Joseph, Mich.
ower Glue Mfg. Co., pulley covering, 417 S. Western av, Chicago, Ill.
ower & Grant, mill & factory supplies, 33 Culver, Providence, R. I.
ower Implement Co., mill & facty. supplies, Bozeman, Mont.
ower, J. H., & Co., stencils, 80 High, Boston, Mass.
ower, John J., contractor, 15 Ashland, Worcester, Mass.
ower & Kelsay, pearl buttons, 377 B'way, New York.
ower, L., & Co., woodworking machinery, 20 S. 23d, Phila., Pa.
ower, M. J., contr., Bridgeport, Conn.
ower Mfg. Co., oil & distillate engines, Marion, Ohio.
ower Machy. Exchange, Inc., second hand machy., 1 Montgomery, Jersey City, N. J.
ower & Mining Machy. Co., engng. & machy., 115 B'way, New York.
ower, Nicholas, Co., films, 90 Gold, New York.
ower Numbering Mach. Co., 209 Marginal, E. B., Boston, Mass.
ower Piping Co., Beaver & Western av, Pittsburgh, Pa.
ower Plant Engng., trade publication, 537 S. Dearborn, Chicago, Ill.
ower Plant Spec. Co., purifiers, 53 W. Jackson blvd, Chicago, Ill.
ower, S. A., architect, Wooster, Ohio.
ower Spec. Co., superheaters & garbage disposal plants, 111 B'way, New York. *See adv. index at end of book*
ower Supply Co., mill & facty. supplies, Terre Haute, Ind.
ower, T. F., architect, Higgins Bldg., Los Angeles, Cal.
ower Turbo Blower Co., 347 Madison av, New York.
owerlight Mfg. Co., lamps, 210 5th av, New York.
owers Account'g Mach. Co., 50 Church, New York.
owers & Boyd Cornice & Roofing Co., 3614 Laclede av, St. Louis, Mo.
owers Bros., contrs., Brockton, Mass.
owers Bros. & Co., htg. contrs., 1034 E. 43d, Chicago, Ill.
owers & Critchett, lumber mfrs., Ferry, Mich.
owers, Frank E., Co., masons' & bldrs.' matls., Worcester, Mass.
owers, Herbert W., architect, 211 N. 7th, St. Louis, Mo.
owers, Horace S., architect, 10 N. La Salle, Chicago, Ill.
owers House Co., advertising, Racine bldg., Cleveland, Ohio.
owers, J. M., contr., Sterling, Ill.
owers, J. P., Co., architects, 558 blvd, Rockaway Beach, N. Y.
owers, Jas. F., Fndry. Co., Elkton, Md.
owers, Jno. H., architect, 460 Montgomery, San Francisco, Cal.
owers, John J., contractor, 33 Myrtle av, Cambridge, Mass.
owers, M. F., contractor, 30 N. La Salle, Chicago, Ill.
Powers Mfg. Co., collars, pads (horse), Waterloo, Ia.
Powers Paper Co., Springfield, Mass.
Powers, Patrick, contractor, Little Rock, Ark.
Powers Regulator Co., gas pressure, heat & water pressure regulators, 5 S. Wabash av, Chicago, Ill.
Powers Rubber Horseshoe Co., 1700 N. Kostner av, Chicago, Ill.
Powers, Thomas F., & Co., contractors, Fargo, N. D.
Powers & Thompson Construction Co., Joliet, Ill.
Powers & Walker Casket Co., Grand Rapids, Mich.
Powers-Weightman-Rosengarten Co., chemicals, 916 Parrish, Philadelphia, Pa.
Powers, Wm., lumber mfrs., Pike, N. Y.
Powhatan Basket & Veneer Co., basket mfrs., Norfolk, Va.
Powhatan Brass & Iron Wks., plumbing & steam specialties, 340 Hudson, New York.
Powhatan Clay Mfg. Co., brick, Richmond, Va.
Powhattan Brass & Iron Wks., Ranson, W. Va.
Powhattan Lime Co., Richmond, Va.
Powley, Jos. L., Son, dock bldrs., Kingston, N. Y.
Pownall, F. H., Iron Wks., machsts. & fndrs., Jamesburg, N. J.
Pownall Hardware Co., kitchen utensils of every description, Coatesville, Pa.
Poynter, R. P., & Sons, flour mills, Horsecave, Ky.
Pozzo Construction Co., 421 Macy, Los Angeles, Cal.
Pracht, Jno. C., carriages & lbr., Brownsville, Tenn.
Prack, B. H., architects, Keystone bldg., Pittsburgh, Pa.
Pracna, A. B., architect, P. S. Bldg., Seattle, Wash.
Practical Engineer, see Power Plant Engineering (successors).
Prados, Henry J., & Son, masons' & bldrs.' matls., 1326 Hospital, New Orleans, La.
Praeger Hardware Co. (wholesale), San Antonio, Tex.
Prager, Geo., trunk mfrs., 115 W. Pratt, Baltimore, Md.
Prager, Raphael, architect, 149 B'way, New York.
Prague Mfg. Co., machsts., Cleveland, Ohio.
Prairie City Canning Co., Prairie du Chien, Wis.
Prairie du Chien Woolen Mill Co., woolen blankets, Prairie du Chien, Wis.
Prairie, Frank, cornices, 3424 S. State, Chicago, Ill.
Prairie Grove Vinegar & Preserving Co., Prairie Grove, Ark.
Prairie Oil & Gas Co., Independence, Kans.
Prairie Pebble Phosphate Co., 61 B'way, New York.
Prairie Queen Mfg. Co., agricultural implements, Newton, Kans.
Prairie State Canning Co., El Paso, Ill.
Prairie State Incubator Co., Homer City, Pa.
Prairie View Canning Co., Randolph, Wis.
Prairieville Gin & Mill Co., flour, Prairieville, Tex.
Prange, A. E., contractor, Grand Rapids, Mich.
Prame, F. J., brick, Shiloh, Ohio.
Praray, Chas. W., engineers, Times Bldg., New Bedford, Mass.
Prasse Lumber Co., 1864 Columbus rd, N. W., Cleveland, Ohio.
Prather, J. A., architect, Carthage, Mo.
Pratt, A. J., cornices, Springfield, Mass.
Pratt Amasa Co., lbr., etc., Lowell, Mass.
Pratt, B. G., Co., spray'g compounds & polish'g oils, 50 Church, New York.
Pratt, Bickel & Campbell, architects, Bay City, Mich.
Pratt Bldg. Material Co., brick, Hearst Bldg., San Francisco, Cal.
Pratt & Cady Co., valve, hydrants, etc., mfrs., Hartford, Conn.
Pratt-Chuck Co., Frankfort, N. Y.
Pratt-Church Co., foundry, Chaplets, Frankport, N. Y.
Pratt Consolidated Coal Co., Birmingham, Ala.
Pratt, E. O., mill & factory. supplies, Clinton, Mass.
Pratt, Edwin, & Sons, machsts., Kankakee, Ill.
Pratt Engng. & Mach. Co., Atlanta, Ga.
Pratt-Gilbert Co., contractors, Phoenix, Ariz.
Pratt Gin & Milling Co., Prattville, Ala.
Pratt, Hy., Co., steel struct. wk., 2222 S. Halsted, Chicago, Ill.
Pratt, Hy. M., landscape arch., 53 State, Boston, Mass.
Pratt & Inman, wholesale hdwe., Worcester, Mass.
Pratt Institute of Science & Technology, Engng. School & Coll., 215 Ryerson, Brooklyn, N. Y.
Pratt, J. W., architect, Chanute, Kans.
Pratt, J. W., canned goods, Farmington, Me.
Pratt, J. Winthrop, architect, Quincy, Mass.
Pratt & Lambert, varnishes, etc., Buffalo, N. Y.
Pratt & Letchworth Co., steel castings, hdwe., Buffalo, N. Y.
Pratt Low Preserving Co., canned goods, Santa Clara, Cal.
Pratt Mfg. Co., furniture, Coldwater, Mich.
Pratt, N. P., Laboratory, chemists, Atlanta, Ga.
Pratt, R. W., & Son, mill & facty. supplies, 111 Haverhill, Boston, Mass.
Pratt-Read & Co., ivory buttons, Deep River Conn.
Pratt, Richard H., architect, 13 W. Saratoga, Baltimore, Md.
Pratt, W. D., hack saw machs., Canton, Ohio.
Pratt & Whitney Co., machsts. & fndrs., 111 B'way, New York.
Pratt, Wm. E., Mfg. Co., agricl. implements, 35 W. Lake, Chicago, Ill.
Pratt, Wm. F., architect, Northampton, Mass.
Pratt & Witton, 44 Bromfield, Boston, Mass.
Pray, Hubbard & White, landscape architects, 101 Tremont, Boston, Mass.
Pray, Milton, steel products, Monadnock Bldg., San Francisco, Cal.
Pray, W. H., ice plows, Clove, N. Y.
P. & R. Concrete Roofing Tile Co., Buffalo, N. Y.

Preacher, G. L., architect, Augusta, Ga.
Preble, Edw., iron forgings, 103 Summer, E. B., Boston, Mass.
Preble, Walter H., Co., contractors, 11 Pemberton sq, Boston, Mass.
Precious Metals Tempering Co., Inc., surgical instruments, 30 Church, New York.
Precision Castings Co., Inc., Syracuse, N. Y.
Precision Glass Apparatus Co., Inc., imptrs. & mfrs., 237 E. 41st, New York.
Precision Instrument Co., gauges, indicators, recorders, chemical glassware, etc., 21 Halsey, Newark, N. J.
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Precision Mach. Co., films & mov'g picture mach'y, 317 E. 34th, New York.
Precision Metal Workers, 3100 Carroll av, Chicago, Ill.
Precision Thermometer & Instrument Co., 1434 Brandywine, Philadelphia, Pa
Precision Tool Co., boring heads, Lansing, Mich.
Precision Tool Co., screw mach. products, tool mfg., Canton, Mass.
Precision & Thread Grinder Mfg. Co., 1932 Arch, Phila., Pa.
Preferred Accident Ins. Co., 80 Maiden la, New York.
Preiskel, Abram, architect, Hobart Trust Bldg., Passaic, N. J.
Preisler, Ernst, architect, Title Guaranty Bldg., St. Louis, Mo.
Preiss & Co., contractors, Orange, N. J.
Premier Aluminum Foundry Co., machsts. & fndrs., Nickel Plate & Ivanhoe rd, Cleveland, Ohio.
Premier Auto Nov. Mfg. Co., radiator covers, etc., 149 Chambers, New York.
Premier Bed Co., machsts. & fndrs., Mishawaka, Ind.
Premier Cycle Works., 33 N. Canal, Chicago, Ill.
Premier Elec. Co., cords, auto. horns, 1123 S. Wabash av, Chicago, Ill
Premier Machy. Co., Oakland, San Francisco, Cal.
Premier Metal Etching Co., name-plates & dials, 14th, Long Island City, N. Y.
Premier Motor Corp., 20th & Olney, Indianapolis, Ind.
Premier Packing Co., canned goods, San Diego, Cal.
Premier Paper Co., 260 W. Broadway, New York.
Premier Pocahontas Collieries Co., coal mine, Lynchburg, Va.
Premier & Potter Printing Press Co., Inc., Shelton, Conn.
Premier Rubber & Insulation Co., Dayton, Ohio.
Premier-Snap Fastener Co., 440 B'way, New York.
Premier Special Mach. Corp., 421 Canal, New York.
Premier Spring Bed Co., 218 Utah, San Francisco, Cal.
Premium Metal & Packing Co., Inc., aluminum alloys, Wilkinsburg, Pa.
Premo Process Co., eyelet machs., New Brunswick, N. J.
Prendergast Bros., furnaces, 20 E. 6th, St. Paul, Minn.
Prendergast-Clark Constr. Co., 915 Olive, St. Louis, Mo.
Prendergast Co., masons' & bldrs.' matls., Marion, Ohio.
Prendergast, Geo. G., Constr. Co., Chemical, St. Louis, Mo.
Prendergast, T. J., contractor, 118 N. La Salle, Chicago, Ill.
Prentice, F. W., & Co., snow shovels, Adrian, Mich.
Prentice, L. H., Co., exhaust heads, heating apparatus, etc., 330 Sherman, Chicago, Ill.
Prentice Co., masons' & bldrs.' matls., Englewood, N. J.
Prentice, G. E., Mfg. Co., machy. guards, New Britain, Conn.
Prentice, Wm. H., contractor, 360 W. Central av, Toledo, Ohio.
Prentiss, Brooks & Co., masons' & bldrs.' matls., Holyoke, Mass.
Prentiss, G. W., & Co., wire, Holyoke, Mass.
Prentiss, Hy., & Co., Inc., machy. dealers, 149 B'way, New York.
Prentiss Vise Co., 110 Lafayette, New York.
Presbrey, A. A., & Son Co., packing box mfrs., Summer, Providence, R. I.
Presbrey-Coykendall Co., granite, Barre, Vt.
Presbrey, E. H., Co., auto. wheel pullers, 50 Broad, New York.
Presbrey-Field Co., mill & facty. supplies, Taunton, Mass.
Presbrey Stove Lining Co., masons' & bldrs.' matls., Taunton, Mass.
Prescott Co., machsts. & fndrs., Menominee, Mich.
Prescott, F. G., mason, Hartford, Conn.
Prescott, F. H., Co., gloves, canvas, Auburn, N. H.
Prescott, Frank R., barrows, Meredith, N. H.
Prescott, Fred M., Steam Pump Co., 115 B'way, New York.
Prescott, H. S., printing inks, 571 Atlantic av, Boston, Mass.
Prescott, Howard, B. S., architects, 12 Pearl, Boston, Mass.
Prescott, J. B., & Son, machsts. & fndrs., Webster, Mass.
Prescott, J. L., Co., stove & shoe polishes, 92 W. B'way, New York.
Prescott, Sam'l J., & Co., contractors, 814 13th, N. W., Washington, D. C.
Prescott Supply Co., plumbers' supplies, Binghamton, N. Y.
Preservaline Mfg. Co., boiler compounds, 854 Lorimer, Brooklyn, N. Y.
Preservative Products Co., waterproof'g materials, 1133 B'way, New York.
Preservo Polish Co., shoe blacking, Kansas City, Mo.
Press', Jacob, Sons, auto. wood bodies, 300 N. Halsted, Chicago, Ill.
Press Sign Co. of St. Louis, Mo., advtg. signs, 202-04 S. 17th, St. Louis, Mo.
Press, Wells H., Co., machsts., Streator, Ill.
Pressed Aluminum Co., metal hot water bottles, 3 Cypress, Worcester, Mass.
Pressed Metal Radiator Co., transformer cooling radiators, tubing steel, Oliver Bldg., Pittsburgh, Pa.



Pressed Prism Plate Glass Co., sign letters, 25 N. Dearborn, Chicago, Ill.
Pressed Prism Plate Glass Co., Morgantown, W. Va.
Pressed Steel Car Co., freight & passenger cars, 307 5th av, Pittsburgh, Pa.
Pressed Steel Co., fndry. vibrators, Muskegon, Mich.
Pressed Steel Co., metal stamping & dies, Wilkes-Barre, Pa.
Pressed Steel Mfg. Co., machsts., Land Title Bldg., Phila., Pa.
Pressed Steel Products Co., steel barrels & drums, Sharon, Pa.
Pressed Steel Tank Co., car bells, Greenfield av, Milwaukee, Wis.
Pressed Steel Truck Co., 844 Penna av, Pittsburgh, Pa.
Pressing, W. C., Canning Co., Norwalk, Ohio.
Pressprich & Son Co., bar & pig tin, 96 Wall, New York.
Pressure Proof Piston Ring Co., Boston, Mass.
Prest Htg. & Fdry. Co., Kansas City, Mo.
Prest Mach. Wks. Co., Okla., Okla.
Presteel Co., toy phones, wheelbarrows, etc., Grafton, Ohio.
Presto Elec. Co., cooking app. 51 2nd, San Francisco, Cal.
Presto Inner Rim Co., 320 Newberry, Boston, Mass.
Prest-o-Lite Co., Inc., Speedway rd. Indianapolis, Ind.
Presto Machine Works, gauges, tools, spec. machy., etc., 124 Pearl, Brooklyn, N. Y.
Presto-Phone Parts Corp., 124 Pearl, Brooklyn, N. Y.
Preston Bros., mill & facty. supplies—whol. hdwe., Norwich, Conn.
Preston, Burton, & Co., granite producers, Mansfield, Ohio.
Preston Canning Co., Preston, Md.
Preston Chem. Co., Inc., salicylic acid, 180 4th av, Brklyn, N. Y.
Preston, Harry T., canned goods, Middletown, Del.
Preston, J. M., Co., silos, Lansing, Mich.
Preston Mill Co., lumber, Preston, & Seattle, Wash.
Preston Milling Co., flour, Preston, Idaho.
Preston Motors Corp., 2702 N. 24th, Birmingham, Ala.
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Preston, Robt. K., Co., mica, 53 W. Jackson, Chicago, Ill.
Preston-Shaffer Milling Co., flour, Waitsburg, Wash.
Preston, W. A., lumber, Benton Harbor, Mich.
Preston, W. T. & A., canned goods, Aberdeen, Md.
Pretlou & Co., fertilizer mfrs., Franklin, Va.
Prettyman, G H., canned goods, Milford, Del.
Prettyman, Harry D., masons' & bldrs.' matls.—contr., 2603 S. Broad, Philadelphia, Pa.
Prettyman, J. F., & Sons, lbr., Summerville, S. C.
Prettyman, Jacob H., archt., Cleburne Junct., Ft. Worth, Tex.
Pretzinger, Albert, & E. P. Musselman, archts., Reibold Bldg., Dayton, Ohio.
Preuceer Chair Corp., convertible Morris chairs & couches, 36 Broomfield, Boston, Mass.
Preuss, B. J., Co., wire mattresses, 288 38th, Milwaukee, Wis.
Preusser, Jno., cornices & skylights, 302 W. 122d, New York.
Preuter, Louis, lumber, Baileys Harbor, Wis.
Prew, Jno. J., common brick, Holyoke, Mass.
Pribnow Swage & Tool Works, Mellen, Wis.
Price, A. C., architect, Bartow, Fla.
Price, A. D., Co., contractors, Houston, Tex.
Price, A. J., & Son, flour, Glen Rose, Tex.
Price-Bond Varnish Wks., Plainfield, N. J.
Price-Booker Mfg. Co., canned goods, Houston Heights, Tex.
Price Bros., contrs., Oakland, Cal.
Price Bros., machsts., Renfrew, Pa.
Price Co., bronze bushings, castings, mech. engnrs., patterns & screw mach. products, Frederick, Md.
Price-Campbell Cotton Picker Corp., machy., 15 Wall, New York.
Price Concrete Construction Co., Maryland Trust bldg., Baltimore, Md.
Price, Corcoran, Pfister Co., machsts., Los Angeles, Cal.
Price, D. E., & Son, canned goods, Darlington, Md.
Price Elec. Co., pyrometers, 12369 Euclid av, Cleveland, Ohio.
Price, Ernest V., architect, Hutton bldg., Spokane, Wash.
Price-Evans Foundry Co., cast iron washers, Chattanooga, Tenn.
Price Fire & Water Proofing Co., Poughkeepsie, N. Y.
Price, F. V. B. & Co., lbr., Pinebur, Miss.
Price, G. W., Pump & Engine Co., 33 Stevenson, San Fran., Cal.
Price, H. Brooks, architects, 105 W. 40th, New York.
Price Hardware Co., Pulaski, Va.
Price, Harry M., architect, Union Central bldg., Cincinnati, O.
Price & Heald, lumber mfrs., Marriott & Decatur, Balto., Md.
Price & Howarth, lbr. mfrs., Scranton, Pa.
Price, Hugh A., architect, 175 N. Jackson blvd, Chicago, Ill.
Price, J. L., Co., masons' & bldrs.' matls., Marion, Ohio.
Price, J. McD., lumber mfrs., Knickerbocker Bldg., Balto., Md.
Price, James, architect, Holland, Mich.
Price, Lewis M., fertilizer mfr., Symrna, Del.
Price Lbr. & Mfg. Co., masons' & bldrs.' matls., Fremont, Ohio.
Price & McLanahan, architects, 1418 Walnut, Philadelphia, Pa.
Price Pancoast Coal Co., anthracite, Means bldg, Scranton, Pa.
Price, R. A., contractor, 606 Washington, Reading, Pa.
Price & Rosenburg, contrs., Plymouth, Ind.
Price, Roy Seldon C., architect, Arcade bldg., St. Louis, Mo.
Price & Teeple Piano Co., 218 S. Wabash av, Chicago, Ill.
Price, Thorton W., architect, Franklin bldg, St. Louis, Mo.
Price, Thomas H., contractor, 201 Sansome, San Francisco, Cal.
Price, T. W., Engng. Co., Inc., 233 B'way, New York.
Price Varnish Co., 2115 Singleton, St. Louis, Mo.
Price, Walter F., architect, 138 S. 4th, Philadelphia, Pa.
Price & Welker, heating contrs., 107 Canal rd, Cleveland, Ohio.
Price, W. R., Inc., educational equip., 127 5th av, New York.

rd, C. W., Co., Inc., 50 Church, New York.
'd & Sons, carriages, Ithaca, N. Y.
rd Supply Co., oil & gas well, Mannington, W. Va.
tt, Wm. C., architect, 416 Walnut, Philadelphia, Pa.
t, Walter S., lumber mfrs., Sidnaw, Mich.
of the Kitchen Co., metal polish, soap & powders, 390 aith, Brooklyn, N. Y.
W. H., & Co., canneds goods, Bellingham, Wash.
Willis A., classic wood carvers, 43 Bristol, Boston, Mass.
m, R. W., Co., paper folding cartons, 903 N. Main, Los ageles, Cal.
re, Hy. E., foundry molding machy., 1901 S. Rockwell, icago, Ill.
re, John E. O., architect, 38 S. Dearborn, Chicago, Ill.
Mrs. E., flour mills, Jenifer, Ala.
Brass Mfg. Co., machsts. & fndrs. & vent fittings, Kansas ty, Mo.
A. T., architect, 326 W. 3d, Los Angeles, Cal.
C. A., Lbr. Co., Fitchburg, Mass.
Geo. L., elec. constr., Oakland, Cal.
J. W., masons' & bldrs.' matls., Topeka, Ind.
Ralph N., architect, 1627 Sansom, Philadelphia, Pa.
y Hardware Co., Princeton, Ill.
an, Albert, airlocks, nozzles, pumps, etc., 328 Chestnut, iladelphia, Pa.
, Geo. H., Co., port. fireproof garages, 318 Dover, Bos-, Mass.
& Cook Petroleum Co., jobbers, 208 S. La Salle, Chicago,

Steel Co., 670 Kinnickinnis av, Milwaukee, Wis.
Light & Mfg. Co., gasoline lighting systems, 3849 Olive, Louis, Mo
Chemical Co., see Vanadium Corp. of Am. (successor).
Elev. Co., 231 W. Grand av, Chicago, Ill.
H. G., & Co., preserved fruits, East Oakland, Cal.
Jas. H., Paint Co., paint mfrs., 5 Lancaster, Boston, ss.
L. M., Co., architects', engrs.' & surveying instruments, 3 W. 4th, Cincinnati, Ohio.
Mfg. Co., roofing paints, 165 B'way, New York.
W. J., & Son, masons' & bldrs.' matls., Hurleyville, N. Y.
W. O., weather strips, 26 Edinboro, Boston, Mass.
Metallic Paint Co. Allentown, Pa.
Iron Corp., blast furnaces, Glen Wilton, Va.
Motor Car Co., 348 Clay av, Detroit, Mich.
Wash. Mach. Mfg. Co., 433 E. Pearl, Cincinnati, Ohio.
on Brick Co., Brickton, Minn.
on Canning Co., Brownsburg, Ind.
on Mfg. Co., rope, Athens, Ga.
on Milling Co., flour, Princeton, Ind.
on Sealing Wax Co., Princeton, Ill.
on Sheet Metal Co., road culverts, Princeton, Ind.
on Univ., engng. school & coll., Princeton, N. J.
ille, Chas. H., architect, 64 E. Van Buren, Chicago, Ill.
lle, J. J., Co., contractors, Framingham, Mass.
& Brodie, machsts., 514 S. Canal, Chicago, Ill.
Dunn & Co., contractors, 338 Pine, San Francisco, Cal.
Electrical Mfg. Co., 1906 N. 6th, Philadelphia, Pa.
Thomas, architect, 410 Oliver, Pittsburgh, Pa.
Thos. G., machsts. & fndrs., Clay, Brooklyn, N. Y.
Turpentine Cup Co. Biloxi, Miss.
' Chase & Mach. Wks., 159 N. Jefferson, Chicago, Ill.
trade publication, 38 Park row, New York.
Machy. Co., 3rd lock, Cincinnati, Ohio.
Degreasing Co., 1001 Chestnut, Philadelphia, Pa.
Geo. B., architect, Omaha Nat. Bk. bldg., Omaha, Neb.
Rau Mfg. Co., brewers' machy. & supplies, etc., 659 E. ter, Milwaukee, Wis.
& Sevison, Stoves, Pottstown, Pa.
. G., Inc., pasting machs., 665 Broad, Newark, N. J.
Wm. M., & Sons Mfg. Co., coffee percolators, britannia e & casseroles, Yalesville, Conn.
te Co., auto lid locks & lenses, 74 E. Gray, Columbus, O.
l, Edward H., architect, 52 Chauncey, Boston, Mass.
d Bros. Co., htg. contrs., Memphis, Tenn.
d Bros. Lbr. Co., Cumberland, Miss.
d, E., canned goods, Bridgeton. N. J.
d Rice Milling Co., Houston, Tex.
d Stamping Co., tinware, etc., Rochester, N. Y.
d, T. G., Co., starch mfrs., 108 Grant, Baltimore, Md.
d-Wheeler Lbr. Co., Wisner, La.
d, W. N., & I. W., flour, Chapel Hill, N. C.
t & Henderson, architects, Danville, Va.
t, Milton C., architect, Bedford, Ind.
B. M., architect, Pantages Bldg., Seattle, Wash.
iss Bessie, architect, 110 21st av, S., Nashville, Tenn.
John, Hardware Co., 51 W. Water, Milwaukee, Wis.
W. G., Co., cornices & skylights, Watertown, Wis.
ainter Stove Co., stove & range mfrs., Reading, Pa.
fg. Co., elec. bells, push buttons, etc., Detroit, Mich.
P. J., Co., machy., 2339 E. 4th, Cleveland, Ohio.
C. F., Mfg. Co., burnishing balls & rivets mfr., 530 ertown av, Waterbury, Conn. *See adv. index at end of book*
Engng. Co., Penna Bldg., Philadelphia, Pa.
Engineers, Ltd., 501 5th av, New York.
xa, J., & Co., pearl buttons, 277 Broome, Newark, N. J.
Benjamin, Jr., architect, 67 Milk, Boston, Mass.
Cedar Co., Edmonds, Wash.

Proctor, E. O., Co., mill & facty. supplies, Ayer, Mass.
Proctor & Gamble Co., soap, oils, etc., Gwynne Bldg., Cincinnati, Ohio.
Proctor, J. C., Lbr. Co., Peoria, Ill.
Proctor John G., architect, Puyallup, Wash.
Proctor, John R., & Co., contrs., Old South Bldg., Boston, Mass.
Proctor Mchy. Co., mill & facty. supplies, 314 S. Entaw, Baltimore, Md.
Proctor Mfg. Co., lumber mfrs., Ogdensburg, N. Y.
Proctor, S. Eugene, Co., harware mill & facty. supplies, 158 State, Boston, Mass.
Proctor Slate Quarries, Cardiff, Md.
Proctor & Schwartz, Inc., dryers, 7th & Tabor rd., Phila., Pa. *See adv. index at end of book*
Procunier, William L., tapping attachments, 547 W. Washington, Chicago, Ill.
Producers Coke Co., Uniontown, Pa.
Producers' Cotton Oil Co., Yazoo City, Miss.
Producers' Material Co., crushed stone & stone screenings, 29 S. La Salle, Chicago, Ill.
Producers Mica Co., 225 E. 22d, Chicago, Ill.
Producers & Refiners Oil Co., petroleum & its products, 248 4th av, Pittsburgh, Pa.
Producers Refining Co., petroleum, Gainesville, Tex.
Producers Supply Co., oil well, Franklin, Pa.
Producers Supply & Tool Co., Marietta, Ohio.
Producers Torpedo Co., Marietta, Ohio.
Producers' Turpentine Co., Elizabeth, La.
Product Sales Co., clays, minerals, etc., 32 S. Calvert, Baltimore, Md.
Production Engr. Co., fuel oil burners, jib cranes & air regulating valves, 1716 Spring Garden, Philadelphia, Pa.
Production Mach. Co., grinding, polishing & finishing machy., etc., Greenfield, Mass.
Products Development Co., fire clay, Sharon Bldg, San Francisco, Cal.
Products Mica Co., 32 N. Dearborn, Chicago, Ill.
Progress Button Co., Marvine & Montgomery, Philadelphia, Pa.
Progress Furnace Co., Springfield, Ohio.
Progress Mach. Wks., 512 N. La Salle av, Chicago, Ill.
Progress Mfg. Co., canvas gloves, Racine, Wis.
Progress Press Brick & Mach. Co., King's Highway, nr. Arsenal, St. Louis, Mo.
§Progressive Building Co., contractors, 738 Grand, Bridgeport, Conn.
Progressive Fdry. Co., Rochester, N. Y.
Progressive Fdry. & Mfg. Co., Racine, Wis.
Progressive Glue Co., 185 Wooster, New York.
Progressive Incubator Co., Racine, Wis.
Progressive Iron Fdry & Machine Co., water filters, pipe & pressure strainers, Haydenville, Mass.
Progressive Knitt'g Wks., sweaters, cardigans, etc., 435 B'way, Brooklyn, N. Y.
Progressive Mach. & Tool Co., Inc., machsts, 280 Sip av, Jersey City, N. J.
Progressive Mfg. Co., mach. screws, rivets to order and specialties, Torrington, Conn.
Progressive Metal & Refining Co., 432 Barclay, Wilwaukee, Wis.
Progressive Mill & Logging Co., Mt. Vernon, Wash.
Progressive Paper Products Co., 238 4th av, Pittsburgh, Pa.
Progressive Realty Co., stone producers, Souderton, Pa.
Progressive Shoe Machinery Co., 3132 Snelling av, Minneapolis, Minn.
Progressive Smelting & Metal Corp., scrap brass & copper, 543 W. 25th, New York.
Progressive Structural Steel Co., 504 Bailey av., Buffalo, N. Y.
Progressive Wire Goods Co., 13th & Hamilton, Philadelphia, Pa.
Prometheus Elec. Co., heataing specialties, 511 W. 42nd, New York.
Pronty Lbr. & Box Co., Seaside, Ore.
Proof Machine & Bren Foundry Co., 936 E. 72nd, Cleveland, O.
Propp, M., Co., dec. elec. lighting, 108 Bowery, New York.
Propst Lumber Co., Paris, Ill.
Proskauer, A., architect, 109 N. Dearborn, Chicago, Ill.
Prosnitz, Chas., fringes, 124 W. 24th, New York.
Prospect Boiler Co., New Brunswick, N. J.
Prospect Canning Co., Bedford, Va.
Prospect Coal & Coke Co., Searights, Pa.
Prospect Mfg. Co., chemical fire engines, Prospect, Ohio.
Prospect Planing Mill Co., sashes, doors & blinds, Bayonne, N. J.
Prospect Sash & Door Co., 73 St. Pauls av, Jersey City, N. J.
Prosper Canning Co., Prosper, Ore.
Prosper Mill Co., Prosper, Ore.
Prosperity Co., clothes pressing machy., Syracuse, N. Y.
Prosser, Thos. D., Co., forging billets, Wheeling, W. Va.
Prosser, Thos., & Son, steel importers, 15 Gold, New York.
Prosser, Wm., & Son, lumber mfrs., Fall River, Mass.
Prossner, S., & Sons, stone producers, Rome, N. Y.
Protected Rail Bond Co., 17th & Cambria, Philadelphia, Pa.
Protective Electrical Supply Co., Ft. Wayne, Ind.
Protective Ventilator & Screen Corp., 332 E. 23d, New York.
Protects Safety Appliance Co., ammonia helmets, 52 Columbia, Newark, N. J.
Protectus Paint Co., North American Bldg., Philadelphia, Pa.
Protexol Corp., formerly Carbolineum Wood Preserving Co., of N. J., wood preservation, paints, oils, etc., 41 Barclay, New York.
Prothero, Bailey & Goodwin, whol. hdwe., Dubois, Pa.

Proufit Loose Leaf Co., loose leaf devices, Grand Rapids, Mich.
Proudfoot, Bird & Rayson, architects, Hubbell Bldg., Des Moines, Iowa.
Proudfoot, Frank G., contractor, 127 N. Dearborn, Chicago, Ill.
Proulx, Jos. B., brick, Epping, N. H.
Prout Bros., granite, S. Quincy, Quincy, Mass.
Prouty-Bowler Soap Co., Des Moines, Iowa.
Prouty, C., & Co., hdwe. mfrs., tools, etc., Eldred, Pa.
Prouty & Glass Carriage Co., bodies, Wayne, Mich.
Prouty & Miller, lbr., Newport, Vt.
Providence Arch'l Metal Wks., 237 Dyer, Providence, R. I.
Providence Art Metal Co., 137 Clifford, Providence, R. I.
Providence Base Wks. of General Elec. Co., Atwelle av, Providence, R. I.
Providence Box & Lbr. Co., 1102 Cranston, Providence, R. I.
Providence Brass & Aluminum Fndry., 460 Eddy, Providence, R. I.
Providence Brick Co., Madisonville, Ky.
Providence Brick Co., Providence, R. I.
Providence Building Co., Grosvenor Bldg., Providence, R. I.
Providence Coppersmithing Co., 511 Eddy, Providence, R. I.
Providence Cornice Co., 311 Canal, Providence, R. I.
Providence Dry Dock & Marine Ry. Co., E. Providence, R. I.
Providence Drysalters Co., paste, East Greenwich, R. I.
Providence Elec. Blue Printing Co., 86 Weybosset, Providence, R. I.
Providence Elec. Mfg. Co., 23 Broad, Providence, R. I.
Providence Electrotyping & Plating Wks., 78 Friendship, Providence, R. I.
Providence Enamel Co., 456 Fountain, Providence, R. I.
Providence Engng. Corporation, marine engines & equipment, mfrs., 521 S. Main, Providence, R. I.
Providence Gas & Elec. Fixture Co., 9 Fenner, Providence, R. I.
Providence Granite Co., 125 Harris av, Providence, R. I.
Providence Mfg. & Tool Co., jigs, fixtures, gauges, etc., 17 Warren, Providence, R. I.
Providence Metal Spinning Co., 185 Eddy, Providence, R. I.
Providence Mill Supply Co., 68 W. Exchange, Providence, R. I.
Providence Oil Co., metal polish, 10 Dorrance Wharf, Providence, R. I.
Providence Ornamental Iron Wks., 72 Dudley, Providence, R. I.
Providence Plumbing Supply Co., 47 Pine, Providence, R. I.
Providence Sash & Blind Co., 309 Dean, Providence, R. I.
Providence Steam Trap Co., 16 Diamond, Providence, R. I.
Providence Steel & Iron Co., Kinsley av, Providence, R. I.
Providence Trunk Co., 457 Westminster, Providence, R. I.
Provident Chemical Works, St. Louis, Mo.
Provident Engng. Co., machy. dlrs., Commercial Trust Bldg., Philadelphia, Pa.
Provident Lumber Co., Water & Dickinson, Philadelphia, Pa.
Provident Slate Co., roofing slate mfrs., Slatington, Pa.
Provo Fdry. & Mach. Co., Provo City, Ptah.
Provo Meat & Packing Co., Provo, Utah.
Provo Pressed Brick Co., Provo, Utah.
Provost, C. M., carriages, Bridgeport, Conn.
Provost Engng. Corp., machy., filter presses, pumps, clothes plates, 220 B'way, New York.
Provost, F. T., & Co., contractors, Manchester, N. H.
Provost, George, architect, 104 W. 42d, New York.
Provost, Napoleon L., contractor, Hartford, Conn.
Provost & Son, granite, West Berlin, Vt.
Provost, Wilfred E., architect, Manchester, N. H.
Provost, Wm., Jr., contractor, Chester, Pa.
Prowler, Gilbert I., architect, 1959 Homecrest av, Brooklyn, N. Y.
Prox & Burget Co., brass castings, steam htg. contrs., Terre Haute, Ind.
Prox, Frank, Co., coal mining mach., Terre Haute, Ind.
Proximity Mfg. Co., denims, Greensboro, N. C.
Prucell & Elmslie, architects, People Gas Bldg., Chicago, Ill.
Prudden Wheel Co., Lansing, Mich.
Pruden, C. D., Co., portable bldgs., Dock and Warner, Baltime, Md.
Pruden, W. E., Hardware Co., 258 W. 52d, New York.
Prudential Nursery & Landscape Co., landscape arch., Dime Bank Bldg., Detroit, Mich.
Prudential Oil Co., Inc., jobbers, 17 Battery pl, New York.
Prue, Frank J., knitted gloves & mittens, spindles, Woonsocket, R. I.
Prueter, Louis, lumber, Baileys Harbor, Wis.
Pruett, Chas., architect, Hardin, Mont.
Pruett-Schaffer Chemical Co., paints & varnishes, Tabor, Pittsburgh, Pa.
Pruissel, F. W., acetyline gas generators, Mt. Clemens, Mich.
Pruitt-Barrett Hardware Co., Gainesville, Ga.
Pruitt, Edw. E., & Co., architect, 209 S. High, Columbus, Ohio.
Pruitt & Moore, contractors, 7541 N. Ashland av, Chicago, Ill.
Prusia Hardware Co., Fort Dodge, Ia.
Prutzman, M. G., architect, Mauch Chunk, Pa.
Pruyn, Wm. H., Jr., architect, 122 S. Michigan av, Chicago, Ill.
Pryibil, P., Machine Co., wood-working machines, etc., 520 W. 41st, New York.
Pryor, James & Son, sash, door & blind, Houghton, Mich.
Pryor, Jas. T., mach. & fndr., Rusk, Tex.
Pryor, Robert L., architect, 859 Broad, Newark, N. J.
Public Service Constr. Co., 30 Broad, New York, and Krug Bldg., Omaha, Neb.
Public Service Cup Co., paper cups, 168 39th, Brooklyn, N. Y.
Puck, Anthony, architect, Torrey Bldg., Duluth, Minn.
Puck, H. E., architect, Hibbing, Minn.
Puckey, Francis W., architect, 6 N. Michigan av, Chicago, I
Puddicombe, H., & Co., glass mosaic wks., New Haven, Conn.
Puderbaugh, D. Geo., architect, Altoona, Pa.
Pudrith, A. F., Co., cornices, 301 Fort E, Detroit, Mich.
Pueblo Brass & Iron Fndry., Pueblo, Colo.
Pueblo Bridge Co., Pueblo, Colo.
Pueblo Carriage Co., Pueblo, Colo.
Pueblo Fndry. & Mach. Co., Pueblo, Colo.
Puente Oil Co., petroleum, Chino, Cal.
Pneumatic Concrete Macahy. Co., 2 Rector, New York.
Puffer, H. C., Co., masons' & bldrs.' matls., Springfield, Mass.
Puffer, Harry, architect, Battle Creek, Mich.
Puffer-Hubbard Mfg. Co., barrows, 32d av, S., & 26th, Minneapolis, Minn.
Puffer Mfg. Co., soda water fountains, 51 Portland, Boston, Mass.
Puffer, W. E. & Sons, furnace regulators, 234 Walter, New York.
Pugell, John, contractor, 207 Loepere, Buffalo, N. Y.
Puget Mill Co., lumber & ties, San Francisco, Cal.
Puget Sound Art Glass Co., stainers, Seattle, Wash.
Puget Sound Boiler Works, marine, Seattle, Wash.
Puget Sound Bridge & Dredging Co., gen. contrg., etc., Seattl Wash.
Puget Sound Flouring Mills Co., Tacoma, Wash.
Puget Sound Iron & Steel Wks., tubular boilers, Tacoma, Was
Puget Sound Lumber Co., Tacoma, Wash.
Puget Sound Machinery Depot, 318 1st av, S., Seattle, Wash.
Puget Sound Metal Wks., babbitt, Tacoma, Wash.
Puget Sound Mills & Timber Co., lumber, Port Angeles, Wash.
Puget Sound Sawmill & Shingle Co., Bellingham, Wash.
Puget Sound Sheet Metal Wks., cornices & skylight, Seattl Wash.
Puget Sound Tent & Duck Co., contrs., Seattle, Wash.
Puget Sound Wood Preserving Co., creosoting works, Lowe Wash.
Puget Stove & Range Co., Seattle, Wash.
Puget, Wm., contractor, Streator, Ill.
Pugh, Andrew G., contractor, Commerce Bldg., Columbus, Ohi
Pugh Fndry. Co., 19 W. Levee, Kansas City, Mo.
Pugh, Job T., auger bit mfrs., 31st & Ludlow, Philadelphia, P
Pugh & Rundlett, contractors, Ashland, Wis.
Pulaski Foundry & Mfg. Co., blast furnaces, Pulaski, Va.
Pulaski Iron Co., blast furnaces, Real Estate Trust Bldg., Phila delphia, Pa.
Pulaski Lbr. Co., 1833 N. Robey, Chicago, Ill.
Pulaski Mach. Co., Pulaski, Tenn.
Pulaski Mill, flour, Pulaski, Va.
Pulaski Roller Mills, flour, Pulaski, Tenn.
Pulaski Stone Co., Little Rock, Ark.
Puleston & McDougall, contractors, Fall River, Mass.
Pulfer, L. E., cornices & skylights, 1222 W. 25th, Los Angele Cal.
Pulfiey, C. F., common brick, St. Johns, Mich.
Pulford, Dempsey Constr. Co., Elmira, N. Y.
Pull Easy Mfg. Co., garden cultivators, Waukesha, Wis.
Pull-the-String Mailing Wrapper Co., 18 E. Kenzie, Chicago, I
Pull-U-Out Products Co., portable cranes, 1627 Locust, S Louis, Mo.
Pull-U-Out Sales Co., tackle blocks, 2018 Market, St. Louis, M
Pullau Steel Spring Co., Mount Clemens, Mich.
Pullen, Leon W., Co., batteries, 618 Chestnut, Philadelphia, P
Pulley Facing Co., Penna Bldg., Philadelphia, Pa.
Pullis, C. J., contr. & bldr., New Preston, Conn.
Pullman Co., car bldrs., Pullman Bldg., Chicago, Ill.
Pullman Mfg. Co., hardware specialties, Rochester, N. Y.
Pullman Metal Weather Strip Co., weather strips, Kane, Pa.
Pullman Motor Car Co., York, Pa.
Pullman & Stevens, pig iron dlrs., Penna. Bldg., Phila., Pa.
Pullman Ventilator & Mfg. Co., York, Pa.
*See adv. index at end of book.*
Pulp Wood Co., paper & pulp mills, Appleton, Wis.
Pulse & Porter, masons' & bldrs.' matls.—contr., Greensbur Ind.
Pulsifer, Kingston Co., linoleum cements, 19 Eliot, Boston, Mas
Pulsometer Steam Pump Co., 220 W. 42d, New York.
Pultz, Chas., fndr., Wauseon, Ohio.
Punchard, W. H., landscape arch., 284 Dart, Boston, Mass.
Puntenney Lime Co., lime mfrs., Los Angeles, Cal.
Punxsutawney Brick Co., Punxsutawney, Pa.
Punxsutawney Drilling & Contracting Co., Punxsutawney, Pa.
Punxsutawney Fndry. & Machine Co., Punxsutawney, Pa.
Punxsutawney Hdwe. Co., whol. hrdwe., Punxsutawney, Pa.
Punxsutawney Lumber & Supply Co., Punxsutawney, Pa.
Purcell Box Corp., mill & facty. supp., Hartford, Conn.
Purcell Bros., contractors, 3226 Ogden av, Chicago, Ill.
Purcell & Gilfeather, contractors, 525 W. 29th, New York.
Purcell, Wm. R., architect, Ludlow, Ky.
Purdon, James, architect, 8 Beacon, Boston, Mass.
Purdue Univ., engng. schools & coll., Lafayette, Ind.
Purdy, A. R. & Co., Inc., steel products, 130 Christopher, N York.
Purdy, Chester, machsts., Ghent, Ohio.
Purdy, D. C., & Sons, cornices & skylights, Highland Park, Ill.

, Frank M., masons' & bldrs.' matls, Plattsburg, N. Y.
& Henderson, architect'l & struct'l engng., 45 E. 17th, lew York.
, Raymond Jones, architect, 167 76th, Brooklyn, N. Y.
, W. A., lbr., Manchester, Vt.
, W. S., architect, 320 5th av, New York.
, Wm. Co., bldg. contr., Waltham, Mass.
Oil Co., Lafayette Bldg., Philadelphia, Pa.
Carbon Co., carbon brushes, Wellsville, N. Y.
Carbonic Co., 2008 S. Canal, Chicago, Ill.
Clay Brick & Tile Co., 103 Main, San Francisco, Cal.
Food Canning Co., Erie, Pa.
Gluten Food Co., 90 W. Broadway, New York.
Oil Co., 1st & 13th av, S., Minneapolis, Minn., & Lafayette ldg. Phila., Pa.
gton, O. D., & Co., gen. bldg. contrs., Ind. Trust Bldg., rovidence, R. I.
gton Paving Brick Co., Galesburg, Ill.
on Bros. Co., contractors, Augusta, Me.
on, Horace, Co., brick—contr., Waterville, Me.
on & Smith Co., machy. dlrs., 31-41 Edwards, Hartford, onn.
n Bed Spring Co., 902 Kentucky av, Indianapolis, Ind.
n Brick Co., Hamden, Ohio.
n Brick & Tile Co., Farewell bldg,. Detroit, Mich.
n Cement Stone Co., artificial bldg. stone, 164 Federal, oston, Mass.
n Comb Co., Leominster, Mass.
n Cordage Mills, Louisville, Ky.
n Counter Co., Brockton, Mass.
n Iron Wks., 110 Portland, Boston, Mass.
n Knitting Mills, sweaters, cardigans, etc., Juniper & ine, Phila., Pa., & 34 Orchard, New York.
n Machine Co. (Ltd.), machsts., Lafayette & 10th, Detroit, Mich.
n Mfg. Co., machsts. & fndrs., 121 Beach, Boston, Mass.
n Oil Co., 1244 W. 70th, Cleveland, Ohio.
n Soap Co., 496 Exchange, Rochester, N. Y.
n Fibre Co., Inc., fibre textile wastes, 184 Summer, Boston, Mass.
Fertilizer Co., Greenville, Ala.
Oats Co., Keokuk, Ia.
Soap Co., 100 Humboldt av N., Minneapolis, Minn.
Specialties Co., paper cups, Denckla Bldg., Phila., Pa.
l, A., contractor, 507 Jarvella, Pittsburgh, Pa.
l Art Co., cornices, 309 N. Charles, Baltimore, Md.
Sanitary Drinking Fountain Co., faucets & drinking founins, Haydenville, Mass.
ne Disinfecting Co., 956 S. B'way, Los Angeles, Cal.
, A. E., cordage & twine mfrs., Moodus, Conn.
& Standley, carriages, Denver, Colo.
, Adam, contractor, Hartford, Conn.
Machy. & Iron Co., scrap iron, South & Water, Phila.,
, David H., mason contr., Norwich, Conn.
, Geo. H., architect, Glove bldg, Seattle, Wash.
& Shelton, steam & hot water htg. contr. & machsts. supies, 241 Plymouth, Brooklyn, N. Y.
& Jones, shipbuilders' machinery, mfg. & supplies, etc., ilmington, Del.; Pennsylvania & New Jersey yards, Glouster, N. J.
, Jno. C., & Sons, paint brushes, 3 Randolph, Boston, ass.
Belting & Pulley Co., 523 W. Van Buren, Chicago, Ill.
n & Chandler, archieects, 18 Arlington, Boston, Mass.
n & Co., rolling ladders, 32 Howard, New York.
n & Cox, architects, 114 State, Boston, Mass.
n Die Co., machsts., 911 N. Market, St. Louis, Mo.
n Fertilizer Works, Eatonton, Ga.
n Foundry & Machine Co., heating contrs., Putnam, Conn.
n Hdwe. & Mill Supply Co., Putnam, Conn.
n, H. E., masons' & bldrs.' matls., Hartford, Conn.
n, H. H., lbr., Danforth, Me.
n, J. L., architect, Lyon bldg, Seattle, Wash.
n Machine Co., lathes & planing machines, Fitchburg, ass.
n Mfg. Co., cotton sheetings, Putnam, Conn.
n Mills & Power Co., Eatonton, Ga.
n, Moore & Brown, contractors, New Telegraph Bldg., etroit, Mich.
n & Parker, corn feed, buckwheat flour, Columbus, Pa.
n, Wm. E., Jr., architect, Spooner Bldg., Chestnut Hill, ass.
n Veneer & Lumber Co., Roachdale, Ind.
n, W. W., & Co., organs, Staunton, Va.
, F. F., fertilizer mfrs., Putney, Ga.
, Oliver C., granite producers, Woodstock, Md.
nn, John J., lbr. mfrs., New Point, Ind.
Jos., architect, 29 W. 34th, New York.
p & Sumner Fruit Growers' Canning Co., Puyallup, Wash.
Verkhoff Co., htg. contrs., Muncie, Ind.
Fred'k B., architect, Evans Bldg., Washington, D. C.
. F., & Son, canned goods, San Jose, Cal.
ational Elec. Headlight Co., 500 Throop, Chicago, Ill.
attern Wks. & Mfg. Co., Muskegon, Mich.
Stannard, contrs., Wilmington, Del.
ictor R., Co., masons' & bldrs.' matls., Wilmington, Del.
**Julius E., contractor, 410 Dover, Baltimore, Md.**

Pyles, Thos., stone producer, Cambridge Ohio.
Pynch, E. A., & Co., machsts., 311 3d av S, Minneapolis, Minn.
Pyne Co., mill & facty. supplies, etc., Louisville, Ky.
Pyne, Thos., contractor, Yonkers, N. Y.
Pynetree Paper Co., 460 Pearl, New York.
Pynn & Cameron, show cases, Boston, Mass.
Pyott Co., power transmission machy., 1401 W North av, Chicago, Ill.
Pyott Foundry Co., pulleys (cast iron), 328 N. Sangamon, Chicago, Ill.
Pyramid Grate Bar Co., 30 E. 42d, New York.
Pyramid Paint Co., 133 N. 22d, Phila., Pa.
Pyramus Mfg. Co., portables, 200 Grand, New York.
Pyre Clay Products Co., Oak Hill, Ohio.
Pyrene Mfg. Co., fire extinguishers, 52 Vanderbilt av, New York.
Pyrofoam Co., fire extinguishers, 126 N. Union, Chicago, Ill.
Pyrolectric Instrument Co., pyrometers, etc., Trenton, N. J.
Pyrone Process Co., interior finish mfrs., 20 E. Gay, Columbus, Ohio.
Q. & C. Co., railroad equipt., 90 West, New York.
Qua Jam., packg. box mfrs., 341 W. B'way, New York.
Q. M. S. Co., car wheel & saw grinders & pneumatic hoists, 1771 Elston av, Chicago, Ill.
Quabaug Rubber Co., rubber goods mfrs., N. Brookfield, Mass.
Quackenboss, Leonard G., architect, 35 N. Dearborn, Chicago, Ill.
Quackenbush, H. M., air rifles, air rifle ammunition, nut cracks & picks, etc., Herkimer, N. Y.
Quackenbush, J. E., contractor, Webster City, Ia.
Quackenbush & Son, mill & facty. supplies, Paterson, N. J.
Quad Stove Mfg. Co., Columbus, Ohio.
Quaddy Playthings Mfg. Co., toys, dolls, etc., Kansas City, Mo.
Quadriga Mfg. & Specialty Co., screw mfrs. & screw machine products, etc., 213 W. Grand av, Chicago, Ill.
*See adv index at end of book.*
Quaile, Wm. B., stained glass substitutes, 405 Lexington av, New York.
Quaker City Brass Wks., elec. portables, 336 N. 3d, Phila., Pa.
Quaker City Cordage Co., 416 Walnut Pl., Phila., Pa.
Quaker City Cut Glass Co., 60th & Baltimore av, Phila., Pa.
Quaker City Flour Mills Co., 3040 Market, Phila., Pa.
Quaker City Iron Wks., boilers, reamers, tanks, etc., Tioga & Richmond, Phila., Pa.
Quaker City Rubber Co., 629 Market, Phila., Pa.
Quaker City Sign Co., advtg., 116 W. 13th, Phila., Pa.
Quaker City Stained Glass Wks., 222 N. 4th, Phila., Pa.
Quaker City Stencil & Stamp Wks., 234 Arch, Phila, Pa.
Quaker City Supply Co., chemicals, lubg. oils, etc., Land Title Bldg., Phila., Pa.
Quaker City Sweater Mills, 1421 Wallace, Phila., Pa.
Quaker City Wall Paper Co., E. Thompson & E. Westmoreland, Phila., Pa.
Quaker Mfg. Co., furnaces, regulators, etc., 180 N. Dearborn, Chicago, Ill.
Quaker Oats Co., 80 E. Jackson blvd., Chicago, Ill.
Quaker Soap Co., metal polish, 207 Provost, Jersey City, N. J.
Quakertown Stove Works, Quakertown, Pa.
Qualey, J. R., & Co., Granite, S. Quincy, Quincy, Mass.
Qualey, J. S., contractor, 25 Pine, New York.
Qualfe, Ernst E., architect, 64 Harrison av, Jersey City, N. J.
Quality Die Co., steel letters & stamps, 1430 E. 64th, Chicago, Ill.
Quality Shingle Co., Edmonds, Wash.
Quality Stove & Range Co., Belleville, Ill.
Qualmann, Walter A., contractor, Saginaw, Mich.
Quam, H. J., htg. contr., 3616 Portland av, Minneapolis, Minn.
Quam Pneumatic Cleaner Co., 243 Lake, Milwaukee, Mis.
Quapaw Supply Co., mill & facty. supplies, Commerce, Okla.
Quarles, J. E., Co., sashes, doors & blinds, Ft. Worth, Tex.
Quarmby & Hilliker, shoe machy., Lynn, Mass.
Quasi Arc Weltrode Co., Inc., electric welding, etc., 109 Lafayette, New York.
Quasuis, Geo., contr., Sheboygan, Wis.
Quay Engng. Co., htg. contrs., 470 4th av, New York.
Quayle Bros. & Cressey, architects, Spreckels Bldg., San Diego, Cal.
Queal, J. H. & Co., lbr. mfrs. & mason & bldrs. mtls., Sioux City, Ia.
Queal Lbr. Co., Des Moines, Ia.
Queen Bee Stone Co., Tulsa, Okla.
Queen City Blue Print Co., 124 Government pl, Cincinnati, O.
Queen City Box Co., Wade, Flint & McLean, Cincinnati, Ohio.
Queen City Brass Wks., Denver, Colo.
Queen City Brick Co., Court & Pearl, Buffalo, N. Y., & Charlotte, N. C.
Queen City Brick & Tile Co., Cumberland, Md.
Queen City Engng. Co., machsts., 49 Illinois, Buffalo, N. Y.
Queen City Exhaust & Blow Pipe Co., cornices, 423 York, Cincinnati, Ohio.
Queen City Forging Co., Tennyson & Dumont, Columbia, Cincinnati, Ohio.
Queen City Fndry. Co., Denver, Colo., & Spring Grove av & Alabama, Cincinnati, Ohio.
Queen City Glass Wks., 118 W. 2d, Cincinnati, Ohio.
Queen City Iron Folding Bed Co., 26 W. 3d, Cincinnati, Ohio
Queen City Iron & Wire Wks. Co., Denver, Colo.
Queen City Lbr. Co., Cincinnati, Ohio.

Queen City Mach. Tool Co., 1405 Sycamore, Cincinnati, Ohio.
Queen City Mattress Co., 946 Betts, Cincinnati, Ohio.
Queen Mill Co., Edmonds, Wash.
Queen City Paper Co., 515 Eggleston av, Cincinnati, Ohio.
Queen City Printing Ink Co., 1929 South, Cincinnati, Ohio.
Queen City Quarry Co., stone prod., East St. Louis, Ill.
Queen City Scale Co., 1628 John, Cincinnati, Ohio.
Queen City Silver Co., Fillmore & Richmond, Cincinnati, Ohio
Queen City Supply Co., mill & facty. supplies, Pearl & Elm, Cincinnati, Ohio.
Queen City Varnish Co., Montgomery rd & Dana av, Cincinati Ohio.
Queen City Watch Case Mfg. Co., Cincinnati, Ohio.
Queen & Co., pyrometers, thermometers, etc., 618 Chestnut Phila., Pa.
Queen-Gray Co., architects' & engineers' instrs. & supplies, 618 Chestnut, Phila., Pa.
Queen Hair Pin Co. (horn), Leominster, Mass.
Queen Incubator Co., Lincoln, Neb.
Queen Mfg. Co., bags, ironing boards, etc., 313 S. Clinton Chicago, Ill.
Queens Borough Brass & Bronze Fndry., 184 B'way, Long Island City, N. Y.
Queen's Run Fire Brick Co., Lock Haven, Pa.
Quehl Sign Co., 318 Main, Cincinnati, Ohio.
Quellmalz Hy. Lbr. & Mfg. Co., Main, bet. Victor & Barton, St Louis, Mo.
Quemahoning Coal Co., bituminous, Somerset, Pa.
Quenelda Graphite Co., Quenelda, Ala.
Quenponco Packing Co., Newark, Md.
Quentin, Peter N., machst. & fndr., Fond Du Lac, Wis.
Quick Action Ignition Co., watch demagnetizers, South Bend, Ind.
Quick-Change Chuck Mfg. Co., Arcanum, Ohio
Quick Elec. Heater Co., radiators, Madlle, Cincinnati, Ohio.
Quick, H. Lansing, architect, 18 S. B'way, Yonkers, N. Y.
Quick, James W., machsts. & fndrs., Shawneetown, Ill.
Quick-Kleen Soap Co., 191 Sanford, B'klyn, N. Y.
Quick Meal Stove Co., machsts. & brass composition fndrs., 2001 S. Kings Highway, St. Louis, Mo.
Quick, S. F., & Son, contractors, Yonkers, N. Y.
Quick & Thomas Co., agricultural implements, Auburn, N. Y.
Quick Unloading Car Chute Co., Birmingham, Ala.
Quickedge Sharpener Co., tool grndrs., 215 Desplaines, Chicago, Ill.
Quickwork Co., sheet metal workers' machy., St. Marys, Ohio.
Quidnick-Windham Mfg. Co., shade cloth mfrs., Willimantic, Conn.
Quien, Louis, Jr., architect, 329 Broad, Elizabeth, N. J.
Quier, C. D., Top Co., umbrella mfrs., Kansas City, Mo.
Quigg Mfg. Co., lumber, Livermore, Ky.
Quigley & Dorp., machsts., Camden, N. J.
Quigley Furnace Specialties Co., furnace cement mfrs., 26 Cortlandt, New York.
Quigley Furniture Co., desk mfrs., Whitesboro, N. Y.
Quigley, Jas. J., & Son, steam htg. contrs., 1342 Ridge av, Phila, Pa.
Quigley & Meeker, contrs., 19 Yo. & Sharon, Youngstown, Ohio.
Quigley, W. M., masons' mtls., Sterling, Kans.
Quill & Co., Paste, 436 Aberdeen, Chicago, Ill.
Quill, M. F., contractor, Provident Bk. Bldg., Cincinnati, Ohio.
Quillman, Benj., Hardware Co., Norristown, Pa.
Quimby Engng. Co., mercury gauges, indicators, etc., 450 N. 10th, Phila., Pa.
Quimby, J. L., & Co., oils & greases, 278 Water, New York.
Quimby Mfg. Co., pumps, 1700 Washington av N., Minneapolis, Minn.
Quimby, Ralph A., landscape architect, 53 State, Boston, Mass.
Quimby, Wm. E., Inc., machsts. & fndrs., 209 Parkhurst, Newark, N. J.
Quinault Lbr. Co., Raymond, Wash.
Quinault Shingle Co., Humptulips, Wash.
Quinby, A. T., & Son, mill & facty. supplies, Laconia, N. H.
Quinby, Frank H., architect, 99 Nassau, New York.
Quinby, J. M., & Co., auto. bodies, guards, fenders, etc., 27 Division, Newark, N. J.
Quincy Av. Granite Co., Quincy, Mass.
Quincy Casket Co., Quincy, Ill.
Quincy Casting Co., Quincy, Ill.
Quincy Column Turning Co., Granite, Quincy, Mass.
Quincy Egg Carrier Co., Quincy, Ill.
Quincy Elev. Gate Co., Quincy, Ill.
Quincy Fndry. & Nov. Co., Quincy, Ill.
Quincy Lbr. Co., masons' & bldrs.' mtls., Quincy, Ill.
Quincy Motor Co., machsts., Quincy, Ill.
Quincy Pattern Co., Quincy, Ill.
Quincy Quarries Co., Quincy, Mass.
Quincy Show Case Wks., Quincy, Ill.
Quincy Stove Mfg. Co., Quincy, Ill.
Quincy White Lime & Cement Co., Quincy, Ill.
Quinebaug Co., cotton sheetings, Danielson, Conn.
Quinlan, M. W., carriages, Brookline, Mass.
Quinn Bros., plumbers, mill & facty. supplies—jobbers, Paterson, N. J.
Quinn & Co., refuse burners, 222 E. 9th, Cincinnati, Ohio.
Quinn & Fahrenkopl, lbr. mfrs., Gagetown, Mich.
Quinn, H. A., Lumber Co., Council Bluffs, Ia.



Quinn, J. E., horse collars, Toledo, Ohio.
Quinn, Jno. F., Co., glass stainers, 256 W. 81st, New York.
Quinn Mfg. Co., fire pots, Detroit, Mich.
Quinn, P. J., cornices & skylights, Madison, Ind.
Quinn, J. Edwin, architect, 123 W. Madison, Chicago, Ill.
Quinn, J. J. Co., contrs., Miami, Fla.
Quinn, Nicholas, contr., Madison, Wis.
Quinn, Oscar, contr., Marseilles, Ill.
Quinn, Roy D., mandrils & rubber cement mixing machy., Willoughly, Ohio.
Quinn Supply Co., plumbers' supplies—jobbers, 29 S. Western av., Chicago, Ill.
Quinn, W. H., contractor, Beloit, Wis.
Quinn Wire & Iron Wks., Boone, Iowa.
Quinsigamond Pressed Steel Co., sheet metal stamping, Worcester, Mass.
Quint, A. D., machst., Hartford, Conn.
Quint, Frank, contr., Danville, Ill.
Quintard Iron Wks. Co., machsts., fndrs., ship bldrs., etc., 742 E. 12th, New York.
Quinton Glass Co., fertilizer mfrs., Quinton, N. J.
Quirin, John & Bro., machsts. & fndrs., St. Clair, Pa.
Quirin Leather Press Co., Olean, N. Y.
Quirk, Jas. A., Trunk Co., 1228 Olive, St. Louis, Mo.
Quist, A. W., & Co., contractors, Seattle, Wash.
Quist, Samuel, contractor, Sycamore, Ill.
Quitman Cooperage Co., wood tanks, Quitman, Ga.
Quitman Foundry & Machine Co., Quitman, Ga.
Quynn, Allen G., & Co., whol. hdwe., Frederick, Md.
Raab, W. H., & Bro., pads, Johnstown, Pa.
Raabe, Lawrence, architect, 111 E. 7th, Newport, Ky.
Raapke, H. A., architect, City Nat'l Bk. Bldg., Omaha, Neb.
Raasch, G. A., mach. & fndr., Higginsville, Mo.
Raban, W. A., vehicle washers, Broad, Portchester, N. Y.
Rabbitt, Michael, & Sons Co., contractors, 115 Nasby, Toledo, O.
Rabe Mfg. Co., sashes, doors, & blinds, New Bremen, Ohio.
Rabe, Otto, patterns, 158 N. Desplaines, Chicago, Ill.
Raber & Lang Mfg. Co., cement mixing machinery, Kendallville, Ind.
Rabich, Herman, contractor, Cape Girardeau, Mo.
Rabus & Toeller, machsts. & fndrs., Cedar Rapids, Ia.
Raby, Hinton & Co., stained glass window mfrs., Mechanicsburg, Pa.
Raby, Peter, Contracting Co., Oswego, N. Y.
Racey, Cement L., advtg. novelties, Kansas City, Kans.
Rach, Dr. Carl, grain dryers, kettles & brewers' machy., 203 Broadway, New York.
Racich Asbestos Mfg. Co., 609 W. 55th, New York.
Racine Almn. & Brass Fdry. Co., Racine, Wis.
Racine Auto Tire Co., Racine, Wis.
Racine Auto Top Co., Racine, Wis.
Racine Boat Co., Racine, Wis.
Racine Brass & Iron Co., fndrs., Racine, Wis.
Racine Canning Co., Racine, Ohio.
Racine Elec. Co., see Universal Motor Co. (successor).
Racine Elec, Co., machsts, motors, hand vacuum cleaners, etc., Racine, Wis.
Racine Confectioners' Machy. Co., Racine, Wis.
Racine, F. L., horse collars, Fort Wayne, Ind.
Racine File Co., Racine, Wis.
Racine General Mfg. Co., whol. wagon hdwe., horse clothing & auto accessories, Racine, Wis.
Racine Implement Co., fanning mills, end gate seeders, Racine, Wis.
Racine Iron & Wire Wks., door fasteners, wire household utilities, wire hanging baskets, conductor strainers, etc., Racine, Wis.
Racine, Lewis, Architect, 806 Congress, Oak Park, Ill.
Racine Malleable & Wrought Iron Co., machsts. & fndrs., Racine, Wis.
Racine Mfg. Co., auto metal bodies, Racine, Wis.
Racine Metal Stamping Co., Racine, Wis.
Racine Puttyless Window Co., Racine, Wis.
Racine Rubber Co., Racine, Wis.
Racine-Sattley Co., agric. implement mfrs., Springfield, Ill.
Racine Steel Castings Co., Racine, Wis.
Racine Tank Lug Co., Racine, Wis.
Racine Tool & Machine Co., metal cutting machines, Racine, Wis.
Racine Traveling Bag Co., Racine, Wis.
Racine Trunk Co., Racine, Wis.
Racine Universal Motor Co., electric vibrators, 53 W. Jackson blvd., Chicago, Ill.
Racine Woolen Mills, blankets, Racine, Wis.
Rackle, Geo., & Sons Co., stone producers (A. B. C. Line), Cleveland, Ohio.
Rackliffe Bros. Co., Inc., plate glass, whol. hdwe., mill & facty. supplies, New Britain, Conn.
Racky & Son Iron Works, 718 Wentworth av, Chicago, Ill.
Racquette River Paper Co., Potsdam, N. Y.
Radcliffe, C., & Sons Co., metal buttons, 276 N. J. R. R. av, Newark, N. J.
Radcliffe, E. S., architect, Superior, Wis.
Radcliffe & Gaskill, architects, Salisbury, Md.
Radcliffe Mfg. Co., sash, door & blind mfrs., West Allis, Wis.
Radcliffe & Shaw Co., cordage mfrs., Glen Rock, Pa.
Radding Co., cornices, Springfield, Mass.

:cke, H. F., & Sons, packing box mfrs., Bush & Ridgely, Baltimore, Md.
el Leather Mfg. Co., Wilson av, Newark, N. J.
:macher, A. E., machst., Irvington, N. J.
:macher Bros., cornices, 343 Fox, Buffalo, N. Y.
·maker, H., & Sons, base ball mfrs., bats, etc., Grand Rapids, Mich.
:r, Edward B., brick, Coplay, Pa.
:r, F. B., canned goods, Troutville, Va.
:r, Hy., cornices, 27 Thorne, Jersey City, N. J.
ord, John, Son., contractor, Newport, R. I.
ord Sash & Door Co., 1827 Prairie av, Chicago, Ill.
ord & Wright Co., sashes, doors & blinds, Lbr. Ex., Minneapolis, Minn.
ant Mfg. Co., lighting systems, Sandusky, Ohio.
ator Footwarmer Co., 107 Tioga, Ithaca, N. Y.
na, L. W., Lbr. Co., Clark & Dalton av, Cincinnati, Ohio.
o Apparatus Co., wireless instruments, Pottstown, Pa.
o Corp. of Am., wireless telegraph instrs., 233 B'way, New York.
um Chemical Co., Forbes & Meyran av, Pittsburgh, Pa.
um Dial Co., 3530 Forbes, Pittsburgh, Pa.
um Gold Fibre Screen Co., projection screens, 220 W. 42d, New York.
um Light Co., elec. lamp flashlights, Arrott Bldg., Pittsburgh, Pa.
um, Ltd., U. S. A., luminous compounds, etc., 2 W. 45th, New York.
um Luminous Material Corp., 58 Pine, New York.
e, F., pianos, 609 W. 36th, New York.
off, Frank, contractor, Plymouth, Wis.
Co., radiator valves, Milwaukee, Wis.
ke Lumber & Supply Co., masons' & bldrs.' matls., Monroe, Mich.
G., & Co., glass embossers, 173 Prince, New York.
Robert, contr., Jacksonville, Fla.
Robt., Jr., architect, Wilmette, Ill.
Thos., & Son, contractors, 253 W. 27th, New York.
eck & Zimtbaum, plumbers' woodwork, 16 Eckford, Brooklyn, N. Y.
olith Flooring Co., sanitary, Seattle, Wash.
er, Henry, architect, 53 State, Boston, Mass., and 20 W. Jackson blvd., Chicago, Ill.
er, James Ritchie, architect, 53 State, Boston, Mass.
ord Hardware Co., Raeford, N. C.
ber, W. J., architect, Manitowoc, Wis.
A. Raymond, contractor, 1635 Thompson, Phila., Pa.
erty Contrg. Co., 624 W. 52d. New York.
erty, Wm. J., & Co., contractors, 33 Champney, S. B., Boston, Mass.
er Machine Co., Irvington, N. J.
ery, John T., contractor, 55 Candace, Providence, R. I.
n-Brown, Lange Co., machsts. & fndrs., Napoleon, Ohio.
n, G. R., architect, Roanoke, Va.
and, Edward H., architect, Sunnyside, Wash.
and, W. L., & Son, contractors, Richmond, Va.
ey, W. G., Lbr. Co., Ragley, La.
dale, W. R., architect, Greenville, Tex.
ser, H. S., architect, 21 Union, Pittsburgh, Pa.
n, August J., architect, 140 Market, Paterson, N. J.
nann, Geo., & Co., belting mfrs., clutch linings, 31 Spruce, New York.
nann, W. H., architect, 126 Cedar, New York.
i, C. E., architect, 410 Walnut, Phila., Pa.
i-Larmon Co., machine tools, Cincinnati, Ohio.
:z & Schnitzer, archl. iron, 21 E. 137th, New York.
er, David, mattresses, 108 Forsyth, New York.
uel, W. O., architect, First Nat'l Bank bldg, San Francisco, Cal.
Joint Co., iron rolling mills, 61 B'way, New York.
Joint Co., Penn Bldg., Phila., Pa.
Welding & Bonding Co. of Am., 2400 Woodland av, Cleveland, Ohio.
& River Coal Co., Rockefeller bldg, Cleveland, Ohio.
·oad Supply Co., plates, rail joints, etc., 203 S. Dearborn, Chicago, Ill.
Age Gazette, trade publication, Woolworth Bldg., New York.
Electric Mfg. Co., train despatching equipt., 250 W. Water, Milwaukee, Wis.
Electrical Engineer, trade journal, Woolworth Bldg., New York.
Improvement Co., 61 B'way, New York.
& Industrial Engng. Co., arresters & enclosed, Peoples Bank Bldg., Pittsburgh, Pa.
Journal Packing Co., 233 Broadway, New York.
Light Equipment Co., 526 Commercial Trust Bldg., Phila., Pa.
Maintenance Engineer, trade journal, Woolworth Bldg., New York.
& Marine News, trade publications, Seattle, Wash.
Materials Co., Railway Exchange Bldg., Chicago, Ill.
Mechanical Engineer, trade journal, Woolworth Bldg., New York.
& Power Equip. Co., second-hand machy. & railway equip., 233 Broadway, New York.
Review, trade publication, 537 S. Dearborn, Chicago, Ill.
vay Roller Bearing Co., Syracuse, N. Y.

*See adv index at end of book.*

Ry. Signal Engineer, trade journal, Woolworth Bldg., New York.
Ry. Supply & Mfg. Co., second hand, Cincinnati, Ohio.
Ry. Specialty Co., Atchison, Kans.
Ry. Steel Spring Co., 30 Church, New York.
Ry. Storage Battery Car Co., 50 Broad, New York.
Ry. Supply & Curtain Co., car curtains, 618 S. Canal, Chicago, Ill.
Ry. Track Work Co., 30th & Walnut, Phila., Pa.
Ry. & Traction Supply Co., locomotive sanders, posts, etc., 79 W. Monroe, Chicago, Ill.
Ry. Utility Co., controllers, thermostats, ventilators, etc., 721 Fulton, Chicago, Ill.
Ry. World, trade publications, 612 Chestnut, Phila., Pa.
Ry. & Mine Supply Co., mine cars & wheel brakes, shoes & steel rails, McCormick bldg, Chicago, Ill.
Rainaud, H. E., Co., leaded glass shades, Meriden, Conn.
Rainbow Guano Co., fertilizer mfrs., Montgomery, Ala.
Rainbow, John R., architect, 9 E. 40th, New York.
Rainbow Paper Mills, Rainbow, Conn.
Raine-Andrews Lbr. Co., Evenwood, W. Va.
Rainear, C. J., & Co., mill & facty. supplies, 518 Arch, Philadelphia, Pa.
Rainey, Peter J., contr., Greenwich, Conn.
Rainey, T. C., & Sons, flour mills, Mercer, Tenn.
Rainey, W. A., contractor, 180 Jessie, San Francisco, Cal.
Rainey, W. J., coke mfr., 52 Vanderbilt av, New York.
Rainier Motor Corp., Bayside av, Flushing, N. Y.
Rainshine Umbrella Co., 715 Main, Kansas City, Mo.
Rainy River Timber Co., Spooner, Minn.
Rairight, O. C., architect, Kittaning, Pa.
Raisler Heating Co., 129 Amsterdam av, New York.
Rajah Auto Supply Co., Bloomfield, N. J.
Rajah Mfg. Co., Turkish towels, Jasper & Huntington, Philadelphia, Pa.
Rajotte, Albert, brick, Dunellen, N. J.
Rakow, Emil C., contrs., Decatur, Ill.
Ral Specialty Co., whl. plbg. supplies, Passaic, N. J.
Raleigh Coal & Coke Co., Raleigh, W. Va.
Raleigh Iron Works Co., Raleigh, N. C.
Raleigh Lbr. Co., Columbus, Ohio.
Raley Rubber Co., medicinal droppers, etc., New Haven, Conn.
Rall Bros., lumber, Glasgow, Mo.
Ralli Bros., bags, hemp, shellac, etc., 11 William, New York.
Ralph, C. S., & Bro., canned goods, Vienna, Md.
Ralston Iron Works, 20th & Indiana, San Francisco, Cal.
Ralston, J. G., architect, Waterloo, Ia.
Ralston Steel Car Co., Columbus, Ohio.
Ralston, W., & Co., Inc., waterproof paper, Niagara Falls, N. Y.
Ramage, Ripley J., mason, New Britain, Conn.
Ramaley Boat Co., Wayzata, Minn.
Ramapo Fdry. & Wheel Works, Ramapo, N. Y.
Ramapo Iron Works, mchsts. & fndrs., Hillburn, N. Y.
Rambo, Theo. G., paint mfrs., 981 N. 2d, Philadelphia, Pa.
Rambusch Decorating Co., 2 W. 45th, New York.
Ramey Bros., contractos, Law Bldg., Baltimore, Md.
Ramey Co., vacuum cleaners, Chillicothe, Ohio.
Ramey, G. E., architect, Champaign, Ill.
Ramm, Wm. J., contractor, Youngstown, Ohio.
Ramming, John, Mach. Co., 300 S. Main, St. Louis, Mo.
Ramos Lumber Co. (Ltd.), Ramos, La.
Ramming, Walter J., architect, 3753 Fulton, Brooklyn, N. Y.
Ramsaier, Gustav, Co., machsts., 263 William, New York.
Ramsaier, Wm. J., machinist, 95 Cliff, New York.
Ramsay, Andrew, Co., water closet tanks, Mt. Savage, Md.
Ramsay, H. M., architect, 50 Bromfield, Boston, Mass.
Ramsay, John E., architect, Salisbury, N. C.
Ramsay, John W., masons' & Bldrs.' matl., 161 Devonshire, Boston, Mass.
Ramsburg Fertilizer Co., Fredeerick, Md.
Ramsdell, A. T., architect, Dover, N. H.
Ramsdell, Homer (Est. of), brick, Dutchess Junction, N. Y.
Ramsdell, L. B., Co., children's carriages, Gardner, Mass.
Ramsdell, R. H., Construction Co., Sterling, Ill.
Ramsdell Spec. Co., screw mach. products, Worcester, Mass.
Ramsdell & Co., lumber mfrs., Albany, N. Y.
Ramseur Broom Wks., Ramseur, N. C.
Ramsey Bros., contractors, 5932 Catharine, Philadelphia, Pa.
Ramsey, Chas., Co., hdwe. mfrs., Kingston, N. Y.
Ramsey, D. G., & Sons, masons' & bldrs.' matls., New Castle, Pa.
Ramsey, J., & Sons, silk thread, Phillipsburg, N. J.
Ramsey, Jas., paving contr., Jacksonville, Fla.
Ramsey Mach. & Elev. Co., 207 N. 12th, St. Louis, Mo.
Ramsey, W. S., contractor, Manistique, Mich.
Ramsey Wheeler Co., lumber, Bainbridge, Ga.
Ramseyer, M. S., Co., The, contrs., Spitzer Bldg., Toledo, Ohio.
Ramstad, Louis, contractor, Duluth, Minn.
Ramus, C. F. W., paint brushes, E. Boston, Mass.
Ramsey, H. H., contr., Sterling, Ill.
Ranaky, H. P., Elec. & Mfg. Co., transformers, 1117 W. 76th, Los Angeles, Cal.
Rancocas Mills, cocoa mats & matting, Trenton, N. J.
Rand-Avery Supply Co., maps, 117 Franklin, Boston, Mass.
Rand, Ball & King Co., mill & facty. supplies, Claremont, N. H.
Rand & Byam, soap, Charlestown, Mass.
Rand Co., filing cabinets, North Tonawanda, N. Y.
Rand Consolidated Syndicate Mines, Ltd., iron pyrites, 853 Ellicott sq, Buffalo, N. Y.

Rand, F. L. Co., advtg. spec., St. Louis, Mo.
Rand Iron Works, Vancouver, Wash.
Rand, L. L., architect, Rookery Bldg., Spokane, Wash.
Rand Lumber Co., Burlington, Ia.
Rand, M. W., architect, Rookery bldg. Spokane, Wash.
Rand, McNally & Co., atlases, 538 S. Clark, Chicago, Ill.
Rand, W. H., carriages, Amesbury, Mass.
Randak, Frank, architect, 3643 W. 26th, Chicago, Ill.
Randall, A. H., Mill Co., lumber, Tekonsha, Mich.
Randall & Baker, bldg. contrs., Portland, Ore.
Randall Bros., masons' & bldrs.' matls., Peters Bldg., Atlanta, Ga.
Randall, C. A., architect, Sheridan, Wyo.
Randall, Chas. W., architect, 201 Lake, West Hoboken, N. J.
Randall, Edwin, contractor, Danville, Ill.
Randall Elevator Door Control Co., 115 Mission, San Francisco, Cal.
Randall, F. A., contr., Haines, Fla.
Randall-Faichney Co., horns, plugs, pyrometers, syringes, Boston, Mass.
Randall, Frank A., architect, 19 S. La Salle, Chicago, Ill.
Randall, Frank E., rubber thickness gauges, Waltham, Mass.
Randall Graphite Sheet Lubricator Co., 711 Fulton, Chicago, Ill.
Randall, J. D., Co., machsts., 610 W. Court, Cincinnati, Ohio.
Randall, James A., architect, S. A. & K. Bldg., Syracuse, N. Y.
Randall Lumber & Coal Co., masons' & bldrs' matls., Flint, Mich.
Randall, L. Y., machinist & brass fndrs., Gaffney, S. C.
Randall, R. T., & Co., machy. dlrs., 333 N. 2d, Philadelphia, Pa.
Randall & Stickney, dial thickness, gauges, Waltham, Mass.
Randall Tramrail Co., overhead trolleys, 331 N. 2d, Phila., Pa.
Randall, T. A., & Co., porcelain products, 211 Hudson, Indianapolis, Ind.
Randall, W. I., stone producers, Hancock, N. Y.
Randall, W. L., masons' & bldrs.' matls., Doylestown, Pa.
Randenburg, Ernest, dies, tools, etc., 208 E. 27th, New York
*See adv. index at end of book*
Randerson, John P., contractor, 51 State, Albany, N. Y.
Randle, Geo. M., St. Girard Bldg., Philadelphia, Pa.
Randle Machinery Co., C H & D, Ray & Powers, Cumville, Cincinnati, Ohio.
Randolph Box & Label Co., folding boxes, 843 W. Van Buren, Chicago, Ill. *See adv index at end of book*
Randolph Canning Co., Randolph, Wis.
Randolph-Clowes Co., plumbers' seamless tubing, Waterbury, Conn.
Randolph, H. C., auto truck trailers, Jonesville, Mich.
Randolph, L. W., Inc., rotary engines, 9-15 Clinton, Newark, N. J.
Randolph Mfg. Co., cotton sheeting, Franklinville, N. C.
Randolph, S. M., architect, Parkside Bldg., Oak Park, Ill.
Randolph, T. F., Co., engng. & surveying instruments, 238 E. 5th, Cincinnati, Ohio.
Randolph Wagon Works, Randolph, Wis.
Randolph, Wm. C., bone handles, 243 Arch, Philadelphia, Pa.
Raney Bros., brick, Fairfield, Ia.
Raney, F. J., machsts., Shell Lake, Wis.
Range Lbr. Co., Deer Creek, W. Va.
Range Sand Lime Brick Co., Pengilly, Minn.
Rangeley Construction Co., 405 Lexington av, New York.
Ranger Casper Construction Co., Holyoke, Mass.
Ranger Casper Lumber Co., sash, door & blind, masons' & bldrs.' matls., Holyoke, Mass.
Rangnow & Hall, trunk mfrs., 67 Laurel, Philadelphia, Pa.
Raniville, F., Co., leather belting (round & flat), belt tools cements, dressing, etc., & mechanical leather specialties mfrs., Grand Rapids, Mich.
Rankin, A. J., mill & facty. supplies, Shelby, Mich.
Rankin & Arnold, mill & facty. supplies, New Bedford, Mass.
Rankin, Chas. F., masons, & bldrs., matls., Schenectady, N. Y.
Rankin Coffin & Casket Co., High Point, N. C.
Rankin, F., contr., Vermont, Ill.
Rankin, J. H., stone producers, East Long Meadow, Mass.
Rankin, J. J., architect, 1st Natl. Bank bldg, San Francisco, Cal.
Rankin, Jos. H., architect, Braddock, Pa.
Rankin, Kellogg & Crane, architects, 1012 Walnut, Phila., Pa.
Rankin Lumber Co., Henderson, Ky.
Rankin & Ross Co., stone producers, wkrs. & dlrs., 372 Carroll, Brooklyn, N. Y
Rankin, Wm., stone producers, 286 Commonwealth av, Detroit, Mich.
Ranney Refrigerator Co., Greenville, Mich.
Ranno-Speirs Co., harness, saddles, etc., 39 High, Boston, Mass.
Ransbottom Bros. Pottery Co., Roseville, Ohio.
Ransom, J. B., & Co., masons' & bldrs.' matls., lumber, Nashville, Tenn.
Ransom, L. E., Co., indigo, tumeric, annatto, etc., 279 Pearl, New York.
Ransom Mfg. Co., motor driven grinding machines, Oshkosh, Wis.
Ransom, Stephen, heating contrs., 401 West, New York.
Ransome, B., paving contr., 2779 Poplar, Oakland, Cal.
Ransome Concrete Machy. Co., Dunellen, N. J.
Ransome-Crummey Co., contractors, Oakland, Cal.
Ranson, Coray B., contractor, Dorranceton, Pa.
Rantin, Samuel J., architect, 1117 Columbus av, Boston, Mass.
Ranwood Lbr. Co., Pickens, W. Va.
Ranz Stamping Tool Co., dies, 1509 N. B'way, St. Louis, Mo.



Rapelye, Geo., mill & facty. supplies, New Britain, Conn.
Raphael, H., Co., plate glass, Los Angeles, Cal.
Rapid Addressing Mach. Co., 46 W. 23d, New York.
Rapid City Packing Co., meat, Rapid City, S. D.
Rapid Evaporating Co., pans, Detroit, Mich.
Rapid Mixer Co., Grand Rapids, Mich.
Rapid Rim Co., Huntington, Ind.
Rapid Safety Filter Co., 92 Pine, New York.
Rapid Safety Fire Exting. Co., 92 Pine, New York.
Rapid Tap Plug Co., Grand Rapids, Mich.
Rapid Transit Subway Constr. Co., 232 1st av, New York.
Rapids Lumber Co., Ltd., Woodworth, La.
Rapp, A. C., Co., sand & gravel, Phillipsburg, N. J.
Rapp Bros., potteries, Morton, Ill.
Rapp, C. W. & G. L., architects, 190 N. State, Chicago, Ill.
Rapp, F. H., contractor, Rochester, N. Y.
Rapp, Jacob, & Co., masons' & bldrs.' matls., 375 S. High, lumbus, Ohio.
Rapp, I. H. & W. M., & Hendrickson, A. C., architects, Trinid Colo., & Santa Fe, N. M.
Rapp & Moller Carriage Co., 2220 Pine, St. Louis, Mo.
Rapp, Philip, hdwe. mfrs., Reading, Pa.
Rappeport, R. E., traveling bags, 1700 Monroe, N. Chicago, I
Rappleyea, Geo. W., architect, Southport, N. C.
Rappold, Geo. W., architect, 110 W. 40th, New York.
Rague, Philip E., consulting engineer, 132 Nassau, New York
Raquet Bros., bags & suit cases, 117 N. J. R. R. av, Newa N. J.
Rare Metal Products Co., chemicals, Belleville, N. J.
Raritan Chemical Works, 8 W. 40th, New York.
Raritan Copper Works, 42 Broadway, New York.
Raritan Dry Dock Co., machsts., Perth Amboy, N. J.
Raritan Ridge Clay Co., Metuchen, N. J.
Rasch, C. F., Sons, cornices & skylights, Covington, Ky.
Rasch, T. J., flour mills, St. Florian, Ala.
Rasch's, C. F., Sons, cornices, 1113 Madison av, Cincinnati, Oh
Raseman, R. E., architect, Penobscot Bldg., Detroit, Mich.
Rasin-Monumental Co., fertilizer mfrs., National Marine Bldg., Baltimore, Md.
Rasmussel, Chris, contr., 154 W. Randolph, Chicago, Ill.
Rasmussen Charcoal & Fuel Co., St. Paul, Minn.
Rasmussen & Co., glass, Portland, Ore.
Rasmussen-Grace Co., contrs., Dock Bldg., Portland, Ore.
Rasmussen, John, & Sons Co., contractors, Oshkosh, Wis.
Rasmussen, Julius, belting mfr., 111 W. Water, Milwaukee, W
Rasmussen & Wayland, architects, 1133 Broadway, New Yo
Rasner & Dinger Co., cornices & skylights, 2d av & Ferry, Pit burgh, Pa.
Rasp, R. & W., cornices & skylights, Maysville, Ky.
Rassmann, F., Mfg. Co., cattle stanchion pens, Beaver Dam, W
Rast, W. B., & Son, lumber, Swansea, S. C.
Rastetter, Louis, & Sons, wood rims, Ft. Wayne, Ind.
Ratcliffe, Chas. A., sash, door & blind, Cheney, Wash.
Ratcliffe, Griffith, contractor, Camden, N. J.
Ratcliffe, W. H., Jr., architect, Berkely Bldg., Oakland, Cal.
Rate, G. B., & Co., masons' & bldrs.' matls., Dekum Bldg., Po land, Ore.
Rateau Battu Smoot Co., engnrs., 90 West, New York.
Rateau Steam Regenerator Co., 90 West, New York.
Ratermann Bldg & Contrg. Co., 1943 St. Louis av, St. Lou Mo.
Rath Aluminum & Brass Co., brass castings, New Philadelph Ohio.
Rath, Chas. H., Co., metal polish, Columbia & Hancock, Phil delphia, Pa.
Rath, Geo. C., & Sons, meat packers, Dubuque, Ia.
Rath Mfg. Co., soap, Hedley, E. of Richmond, Philadelphia, P
Rath Packing Co., meat, Waterloo, Ia.
Rath, Robert J., contractor, Hoboken, N. J.
Rathbone, A. B. & J.,, pinion wire, Palmer, Mass.
Rathbone, John S., architect, Mystic, Conn.
Rathbone Mfg. Co., fndrs., Grand Rapids, Mich.
Rathbone, Sard & Co., cooking app. & stoves, Albany, N. Y.
Rathborne, Hair & Ridgeway Co., beer boxes, etc., 2279 S. Unio av, Chicago, Ill.
Rathbun & Bird Co., machsts., 8 Dutch, New York.
Rathbun & Co., machsts., 8 Dutch, New York.
Rathbun-Jones Engineering Co., "Rathbun" gas engines, & Pric Rathbun Oil engines, 841 Spencer, Toledo, Ohio.
Rathbun & Kraft Co., sash, door & blind mfrs., Battle Cree Mich.
Rathbun, P. T., & Co., carriages, Springfield, Ohio.
Rathbun, R. S., contractor, Allentown, Pa.
Rathfon Scent & Co., lumber, Barbourville, Ky.
Rathjens & Kupfer, meat packers, 1331 Pacific, San Francis Cal.
Rathsack, Wm., & Sons, cornices, Manitowoc, Wis.
Ratliff Pure Food Products Co., canned goods, Ft. Worth, Te
Ratner, M., scrap iron & steel, Fall River, Mass.
Rattan & Cane Co., 66 W. Broadway, New York.
Rattan Furniture Mfg. Co., willow ware mfrs., 2648 16th a W. Seattle, Wash.
Rattan Mfg. Co., rattan & reed furniture, New Haven, Conn.
Rattledge Bone Co., contrs., 58 W. Washington, Chicago, Ill.
**RAU APPRAISAL CO.**, Patton bldg, Milwaukee, Wis., & 16 Monadnock bldg, Chicago, Ill.

onrad B., stone producers, Rockville, Conn.
manuel, paper box machy., 30 Church, New York.
stener Co., 102 Westfield, Providence, R. I.
y. M., zinc dust, 130 Pearl, New York.
rfect Flue Stopper Co., Louisville, Ky.
Supply Co., plumbers', steamfitters' & tinners' supplies, ncaster, Pa.
Hy., & Son, preheaters, Mount Vernon, N. Y.
Mfg. Co., hose couplings, Galena, Kans.
ach-Goldsmith Co., trunk mfrs., 79 St. Francis, Newark, J.
bush & Sons Piano Co., St. Paul, Minn.
Math., Contractor 111 W. Washington, Chicago, Ill.
David, pitching machy, 308 Elizabeth av, Newark, N. J.
., & Sons Fertilizer Co., 419 S. Penn, Indianapolis, Ind.
Robt., brewers & malsters machy. & supp., 310 Elizabeth Newark, N. J.
The) Co., contractors, Patton Bldg., Milwaukee, Wis.
Mfg. Co., motor boat, launch & yacht bldrs., 560 Vedder, icago, Ill.
H. P., Sons, contractors, Shamokin, Pa.
enberger, John Co., cordage & twine mfrs., 87 W. Water, lwaukee, Wis.
er, E. W., lime, Erin, Tenn.
er, Fred'k, htg. contr., 1918 Rich. Ter., Port Richmond, Y.
b, Fred. W., Co., aluminum, gold, silver leaf, 103 Arch, ston, Mass.
n Plumbing & Heating Co., Seattle, Wash.
Mining Co. of Utah, Marquette Bldg., Chicago, Ill.
, Samuel W., architect, Boonville, Mo.
a Furnace & Htg. Co., fndrs., Ravenna, Ohio.
a Iron Co., machsts. & fndrs., Ravenna, N. Y.
a Rubber Co., Ravenna, Ohio.
wood Co., marble interior wk., Ravenswood, L. I., N. Y.
wood Office Specialties Co., stationers' specialties, 1800 wport av, Chicago, Ill.
wood Paper Mill Co., Ravenswood, Long Island, N. Y.
Jos. H., tubular boilers, Oil City, Pa.
oducts Co., balata, crude rubber, 80 Wall, New York.
M., Co., Inc., furniture tops, 796 7th av, New York.
h Mfg. Co., machsts. & frdrs., Freeport, Ill.
h, W. T. gas engines, Freeport, Ill.
Jas. D., Co., mill & facty. supplies, 74 Pearl, Boston, ss.
gs Implement Co., agricultural, 11 W. Pratt, Balto., Md.
gs Mfg. Co., sporting & athletic goods mfrs., 23d & Lucas St. Louis, Mo.
, A. M., masons' & bldrs.' matls., Springfield, Ohio.
, H. A., architect, 3 E. 3d av, Rome, Ga.
& Evans Co., glass, signs, etc., 710 W. Washington d., Chicago, Ill.
& Green, contractors, 6410 Cottage Grove av, Chicago,

os., machsts. & fndrs., Ashland, Mass.
tton Co., cotton waste, Franklin, Mass. (tr.)
aisley & Co., metallic window frame & sash, 61 Fulton, ooklyn, N. Y.
bric Mills, horse blankets, Franklin, Mass.
G., & Co., cornices & skylights, Charlotte, N. C.
eo. A., Mfg. Co., cooking apparatus, water coolers, cus- ors, etc., Buffalo, N. Y.
s., cornices, 2d & Indiana, Philadelphia, Pa.
S. W., masons' & bldrs.' matls., Blairsville, Pa.
W., architect, Jacksonville, Tex.
. A., Hardware Co., Pensacola, Fla.
arton Hdwe. Co., Rockford, Ill.
m. A., Jr., mach. & fndr., Auburn, Me.
m. H., printing ink, 735 E. 9th, New York.
os Co., auto brakes, brake linings, asbestos packing, etc., 7 Railroad av, Bridgeport, Conn.
, J. J., machsts., Concord, Ill.
Mfg. Co., Inc., light controlling devices, shaft lights, ackenridge, Pa.
, W. A., architect, 105 1st av, S., Birmingham, Ala.
Co., truck units, 2d & Indiana, Philadelphia, Pa.
. B., Co., whol. hdwe., 3 Grand River av, Detroit, Mich.
Hardware Co., 58 E. 5th, St. Paul, Minn.
, David, scrap iron, Toledo, Ohio.
d, A. E., & Co., machsts. & fndrs., Fort Myers, Fla.
d & Alexander Lumber Co., New London, Conn.
d, Alfred J., sash, door & blind, Athol, Mass.
d Bros. Co., contractors, Duluth, Minn.
d Bros. Impact Pulverizer Co., see machsts. & fndrs., 6 N. Branch, Chicago, Ill.
d Co., pianos, 5213 Windsor av, N. E., Cleveland, Ohio.

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Baltimore, Md., 921 Munsey bldg.
Boston, Mass., 80 Boylston.
Chicago, Ill., 111 W. Monroe.
Cleveland, O., 503 Union bldg.
Detroit, Mich., 406 Empire bldg.
Kansas City, Mo., 615 American Bank bldg.
Philadelphia, Pa., Franklin Trust bldg.
Pittsburgh, Pa., 1102 Union Bank bldg.

Raymond Engng. Corpn., special machy., 309 Lafayette, New York
Raymond, Everett, contr., Glenbrook, Conn.
Raymond, F. B., contractor, Port Jervis, N. Y.
Raymond Foundry & Machine Co., Raymond, Wash.
Raymond, G. B., & Co., masons' & bldrs.' matls., 293 Borden av, Long Island City, N. Y.
Raymond Granite Co., Potrero av & Division, San Francisco, Cal.
Raymond Heating Co., Springfield, Mo.
Raymond Lead Wks., 735 S. Washtenaw av, Chicago, Ill.
Raymond Lumber Co., Raymond, Wash.
Raymond Mfg. Co. (Ltd.), springs, Corry, Pa.
Raymond Mfg. Co., laundry machy. & sterilizing apparatus, Saugatuck, Conn.
Raymond Rubber Co., scrap reclaimed rubber, Titusville, N. J.
Raymond Stone Co., Los Angeles, Cal.
Rayner, Geo., & Son, archts., 13 Warburton av, Yonkers, N. Y.
Rayner, J., Co., lbr. mfrs., 142 Goerck, New York.
Rayner & Parker, lbr. mfrs., Commercial Trust Bldg., Phila., Pa.
Raynor, A., masons' & bldrs.' matls., Catskill, N. Y.
Raynor & Perkins Envelope Co., 220 William, New York.
Rayo Incubator Co., Omaha, Neb.
Rayon Rubber Co., Ravenna, Ohio
Rayson, Chas. H., architect, Reliance Bldg., Kansas City, Mo.
Razall, H. G., Mfg. Co., loose leaf devices, 300 7th av, Milwaukee, Wis.
Razorine Mfg. Co., 335 B'way, New York.
R. C. H. Corp, storage battery trucks, 33 Woodbridge E., Detroit, Mich.
Rea, John J., masons' & bldrs.' matls., Clarington, Ohio.
Rea & Page Milling Co., flour, Marshall, Mo.
Rea & Read Mill & Elevator Co., feed, Tulsa, Okla.
Reaburn, J. H., canned goods, Nace, Va.
Reach, A. J., Co., sporting goods mfrs., Tulip & Palmer; Philadelphia, Pa.
Reach, A. L., Textile Co., tarpaulins, 29 W. Houston, New York.
Reach, Herman & Co., Inc., burlap imp., 71 Broadway, New York
Read, A. P., Co., hdwe. mfrs., 568 W. Washington, Chicago, Ill.
Read Bros. Co., ship bldrs., Fall River, Mass.
Read, Chas., sash, door & blind mfr., 406 W. 30th, New York.
Read, Chas. H., brick, Oakland City, Ind.
Read, Chas., & Sons, contrs., 175 W. Jackson, Chicago, Ill.
Read-Coddington Engineering Co., Niagara Falls, N. Y.
Read, D. A., lbr., Eoline, Ala.
Read Dresser Engng. Co., industrial engineers, 149 B'way, New York
Read, Edward B., boiler compounds, 212 9th, San Fran., Cal.
Read, Geo. H., & Bros., cornices & skylights, Bloomington, Ill.
Read, J. G., & Bros. Co., harness, saddles, etc., Ogden, Utah.
Read Machinery Co., bakers' machy., York, Pa.
Read, O. B., Mfg. Co., hdwe. mfrs., Troy, N. Y.
Read Phosphate Co., fertilizer, Nashville, Tenn.
Read Safety Gate Co., auto. elev. gates, 418 N. Paca, Baltimore, Md.
Read, Wm., & Sons, duck decoys, 364 Washington, Boston, Mass.
Reade & McKenna, lawn & park sprinklers, 614 60th, Brooklyn, N. Y.
Reade Mfg. Co., soldering flax, paste, salt & sticks, Hoboken, N. J.
Reade Tool & Machine Co., 8 Reade, New York
Reader Bros. & Hoffman, tubular boilers, Tyrone, Pa.
Reader, John B., windmills, Delavan, Wis.
Reading Abbattoir Co., meat packers, Reading, Pa.
Reading Bone Fertilizers Co., Reading, Pa.
Reading Brass Works, castings, Reading, Pa.
Reading Broom Co., Blandon, Pa.
Reading Car Wheel Co., Buffalo, N. Y.
Reading Chain & Block Corporation, hoist mnfrs., crane & block chains, Reading, Pa. *See adv. index at end of book*
Reading Chandelier Works, Reading, Pa.
Reading Chemical Mfg. Co., dyes, drugs, etc., Reading, Pa.
Reading Contr. Co., Reading, Pa.
Reading Cycle Mfg. Co., Reading, Pa.
Reading Engineering Wks., machinists' & mfrs.' agents, 116 Washington, Reading, Pa.
Reading Fire Brick Wks., Reading, Pa.
Reading Foundry & Supply Co., plumbers' supplies, Reading, Pa.
Reading Glass Wks., Reading, Pa.
Reading Hardware Co., hardware mfrs., Reading, Pa.
Reading Heater & Supply Co., Reading, Pa.
Reading Iron Co., Baer Bldg., Reading, Pa.
Reading Lime Co., Reading, Pa.
Reading Lumber Co., Reading, Pa.
Reading Mfg. Co., ladders, Akron, Ohio.
Reading Paper Mills, Reading, Pa.
Reading Ribbon Badge Co., 11th & Spruce, Reading, Pa.
Reading Rubber Mfg. Co., Reading, Mass.
Reading Saddle & Mfg. Co., Reading, Pa.
Reading Sand Co., Bridgeton, N. J.
Reading Scale & Machine Co., Reading, Pa.
Reading Screw Co., Norristown, Pa.
Reading Shale Brick Co., Reading, Pa.
Reading Specialties Co., rail benders, clamps, joints, etc., Reading, Pa.
Reading Standard Co., motor cycles, Reading, Pa.

Reading Steam Heat & Power Co., Reading, Pa.
Reading Steel Casting Co., Reading, Pa.
Reading Stove Works, Reading, Pa.
Reading Valve & Fittings Co., Reading, Pa.
Reading Wood Pulley Co., Reading, Pa.
Readings Castings Co., Reading, Pa.
Readograph Adv. Co., Inc., spec., 214 S. 12th, Phila, Pa.
Readon Bros. & Co., heaters, Lynn, Mass.
Readrite Meter Wks., ammeters, Bluffton, Ohio.
Readsboro Chair Co., furniture—schools, church, Readsboro, Vt.
Ready Built Home Co., bungalows & garages, Mystic, Conn.
Ready-Made Sign Co., signs, 16 W. 36th, New York
Ready Mfg. Co., stamping & yarn printing machs., Troy, N. Y.
Ready Tool Co., lathe tool dogs & center grinders, mfrs., Bridgeport, Conn.
Reagal & S. F. & N. Tracks, sash, door & blind, mfrs., Spokane, Wash.
Reagan & Lynch, contractors, Uniontown, Pa.
Realty Iron Wks. Co., 331 E. 82d, New York.
Realty Rubber Co., Massillon, Ohio.
Ream, A. B., brick, River Styx, Ohio.
Ream, J. A., contr., Galesburg, Ill.
Ream-McBee Co., granite, Barre, Vt.
Reaney & Eliason, masons' & bldrs.' matls., Columbus Junction, Ia.
Reardon & Beckwith Merc. Co., cornices & skylights, Midland, Mich.
Reardon Glue Mfg. Co., vegetable glue, 2d & Clinton, St. Louis, Mo.
Reardon, J. J., auto. tops, Amesbury, Mass.
Reardon, John, & Sons Co., oils, soap, sal-soda, etc., Cambridge, Mass.
Reardon Paint Co., kalsomines, etc., 2d & Clinton, Cleveland, O.
Rearwin, W. D., die filing machy., Grand Rapids, Mich.
Reason; J. D., Co., contractors, Pendleton, Ind.
Reaugh Constr. Co., 2835 E. 51st, Cleveland, Ohio.
Reavis, Albert S., Sheet Metal Cornice Co., 719 2d, N. E., Washington, D. C.
Rebecka & Smith, auto. tops, Cleveland, Ohio.
Rebele, L. J., lead hammers, Church & Fulton, New York.
Reber, A. C., canned goods, Ridgely, Md.
Reber, Calvin P., roller bearings, Reading, Pa.
Reber Preserving Co., Eola, Ill.
Rebhun Last Co., 1728 Dana av, Cincinnati, Ohio.
Rebori, A. N., architect, 30 N. Michigan av, Chicago, Ill.
Rebsamen & Almeroth, machsts., 2324 Elston av, Chicago, Ill.
Rebuilt Typewriter Co., machsts., 138 S. Wabash av, Chicago, Ill.
Rech-Marbaker Co., carriages, 8th & Girard av, Phila., Pa.
Rechtin, Louis E., & Bro., machsts., 215 Butler, Cincinnati, O.
Rechtin, Theo. E., masons' & bldrs.' matls., Evansville, Ind.
Reckmeyer, W. R., sashes, doors & blinds, Fremont, Neb.
Reckord Bros., canned goods, Bel Air, Md.
Record Fdry. & Mach. Co., Livermore Falls, Me.
Record & Guide, trade publications, 119 W 40th, New York
Recording & Computing Machines Co., Dayton, Ohio.
Recording Devices Co., time recorders, Dayton, O.
Records, E. M., Co., canned gds., Forest, Del.
Records, Francis B., Jr., archt., 220 Devonshire, Boston, Mass.
Records, W. T., & Son, flour mills, Laurel, Del.
Rectigraph Co., photo. copying machs., Rochester, N. Y.
Rector Brick Co., Rector, Ark.
Rector Chemical Co., Inc., 2 Rector, New York
Rector & Hdwe. Spec. Mfg. Co., show case corner braces, 22d & Western av, Chicago, Ill.
Rector Milling Co., flour, Rector, Ark.
Red Apple Orchard Corp., canned, Shipman, Va.
Red Bank Mills, flour, New Bethlehem, Pa.
Red Buttes Cement & Plaster Co. See Colorado Portland Cement Co. (successor).
Red "C" Oil Mfg. Co., lubrg., Keyser Bldg., Baltimore, Md.
Red Chief Mfg. Co., feed mills, corn shellers, Louisville, Ky.
Red Cliff Lbr. Co., Duluth, Minn.
Red Creek Canning Co., Red Creek, N. Y.
Red Cross Filter Co., water filters, 186 W. Washington, Chicago, Ill.
Red Cross Mfg. Co., machinists & founders, Bluffton, Ind.
Red Diamond Lumber Co., 1200 Central av, Minneapolis, Minn.
Red Hand Compositions Co., Inc., paint manfrs., 1 B'way, New York
Red Jacket Mfg. Co., machinists & founders, Davenport, Ia.
Red Key Tile Brick & Bldg. Block Co., Red Key, Ind.
Red King Co., machinists & founders, Wauseon, Ohio.
Red Oak Bridge & Iron Works, Red Oak, Ia.
Red Oak Canning Co., Red Oak, Ia.
Red River Iron Wks., blast furnaces, Clarksville, Tenn.
Red River Lumber Co., 807 Hennepin av, Minneapolis, Minn.
Red River Oil Co., Alexandria, La.
Red River Valley Brick Corp., Grand Forks, N. D.
Red Star Lumber Co., Ltd., Mayna, La.
Red Star Spoke Co., Fayetteville, Ark.
Red Wing Filter Sand Co., Red Wing, Minn.
Red Wing Linseed Co., Red Wing, Minn.
Red Wing Mfg. Co., bedsteads, Red Wing, Minn.
Red Wing Milling Co., flour, feed, Red Wing, Minn.
Red Wing Motor Co., Red Wing, Minn.
Red Wing Sewer Pipe Co., Red Wing, Minn.
Redbird, Simon, architect, Genoa, Neb.



Redden Construction Co., New London, Conn.
Redden, G. T., & Co., canned goods, Denton, Md.
Redden Motor Truck Co., Inc., 676 Woodward av, Det Mich. & 2337 S. Mich. av, Chicago, Ill.
Reddick Lamb's Wool Polisher & Prod. Co., Harrison Bldg., adelphia, P
Reddick, T. T., & Son, contractor, Fort Smith, Ark.
Reddin Iron Wks., founders, Syracuse, N. Y.
Redding, Vernon, architect, Mansfield, Ohio.
Redding, Wm., & Son, architects, Opera Hse. Bldg., Denver,
Reddinger, P. H., Mfg. Co., classic wood carvers, Evansville,
Reddy's, M., Sons, machinists & founders, Little Falls, N. Y
Reder Fdry. Co., 3536 S. Oakley av, Chicago, Ill.
Rederer, B. S., Co., power plant equipmt., 1405 Arrot Pittsburgh, Pa.
Redfield Brick & Tile Wks., Redfield, Ia.
Redfield & Davis, masons' & bldrs.' matls., Eden, N. Y.
Redfield, Henry W., architect, Tenafly, N. J.
Redfield, Robert S., packing house machinery, 327 So. La S Chicago, Ill.
Bedford Brick Works, Manchester, Va.
Redgwick, Wm., contractor, Omaha, Neb.
Redhead, F. A., contractor, Toronto, Ohio.
Redick, Jos. H., machinist, Spencerville, Ohio.
Redifor Rod & Reel Co., Warren, Ohio.
Redin Ekstrom & Co., cabinet clamps machy, Rockford, I
Redin, John E., machinist & founder, Rockford, Ill.
Reding & Howard, landscape architects, 11 E. Lexington, B more, Md.
Redinger, S. G., & Sons, lumber, Templeton, Pa.
Redington, F. B., Co., flue cutters, counting machines, etc., S. Sangamon, Chicago, Ill.
Redington Hub Co., Robys Corner, N. H.
Redlands Fruit Assn., fertilizer mfrs., Redlands, Cal.
Redlich Mfg. Co., wooden faucets, barrel bungs, cards, brewer cider makers' shavings, 637 to 647 W. Oak, Chicago, I
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Redlinghouse, J., brass & composition fndrs., Newark, N.
Redlon, N. E., Co., bldg. contractors, Portland, Me.
Redman & Co., brick, Cynthiana, Ind.
Redman & Maher, architects, Great Bend, Kan.
Redman, Wm., lumber, Glasgow, Ky.
Redmanol Chem. Products Co., fume proof paints, 636 W. Chicago, Ill.
Redmon, Edgar & Redmon, dishwashing mach., Cedar Rap Iowa.
Redmon, T. F., flour mills, Mooleyville, Ky.
Redmon, W. C., Sons & Co., fruit packages, Peru, Ind.
Redmond, A., carriages, Harrisburg, Pa.
Redmond, B. V., & Son, cornices, 309 Decatur, New Orleans,
Redmond Engng. Co., auto. crankshafts, Drexel Bldg., Phila.,
Rednall, W. W., contr., 110 Jessie, San Francisco, Cal.
Redtop Electric Co., heaters & toasters, 8 W. 19th, New Y
Redwine Brothers, fertilizer, Fayetteville, Ga.
Redwood Export Co., lumber, 260 California, San Franci Cal.
Redwood Mfrs. Co., Hobart Bldg., San Francisco, Cal.
Redwood Mfrs. Co., Redcedar wood, Oakland, Cal.
Redwood Shingle Assn., Eureka, Cal.
Reeb Bros., masons' & bldrs.' matls., Belleville, Ill.
Reeb & Dinkins, sash, door & blind mfrs., L. I. R. R. & Dry H bor rd, Brooklyn, N. Y.
Reeb, M. A. Corp., masons' & bldrs,' matls., 599 Michigan Buffalo, N. Y.
Reeber's, Jos., Sons Co., bldg., materials, Canal pl. & 138 New York.
Reece Buttonhole Mach. Co., 502 Harrison av, Boston, Mass.
Reece & Crittenden Co., advtg. counsellors, Cleveland, Ohio.
Reece, E. G., Canning Co., Waldron, Ind.
Reece Folding Mach. Co., 502 Harrison av, Boston, Mass.
Reed, A. S., & Bro. Co., contractors, Wilmington, Del.
Reed advg. Co., spec., Portland, Ore.
Reed, Allen & Reed, stone producers, Albion, N. Y.
Reed & Barton Corp., machsts. & fndrs., Taunton, Mass.
Reed Bros., stone producers, Birmingham, Ala.
Reed Bros. Lbr. Co., Ruston, La.
Reed, C. D., canned goods, Troutville, Va.
Reed, C. R., cornices & skylights, Kent, Ohio.
Reed, Chas. M., brick, Pennsburg, Pa.
Reed Coal Co., masons' & bldrs.' matls., Fair Haven, Vt.
Reed Co., Inc., bicycle carriers, Palo Alto, Cal.
Reed & Corlett, architects, Oak Bk. of Sav., Oakland, Cal.
Reed & Curtis Mach. Screw Co., Worcester, Mass.
Reed & Duecker, mill & facty. supplies, Memphis, Tenn.
Reed, E. L., architect, 20 Irwin av, Boston, Mass.
Reed, E. L., Mfg. Co., Christmas tree holders & display rac Sterling, Ill.
Reed, Earl H., Jr., architect, 108 N. Dearborn, Chicago, Ill.
Reed, Edw. E., traveling bags, Somerville, Mass.
Reed, F. E., Glass Co., Rochester, N. Y.
Reed Foundry & Machine Co., Kalamazoo, Mich.
Reed, Francis, Co., drilling machines, Worcester, Mass.
Reed-French Piano Mfg. Co., Portland, Ore.
Reed, Geo. A., & Son, machsts. & fndrs., Gloucester, Mass.
Reed, Geo. F., architect, Holland Bldg., Springfield, Mo.
Reed, Geo. W., & Son, organs, West Boylston, Mass.
Reed Hardware & Mfg. Co., Cairo, Ill.

arry D., contrs., Schuylkill Haven, Pa.
ll Wm., architect, Dime Bk. Bldg., Detroit, Mich.
. M., barrel heading machinery, Cleveland, Ohio.
g. Co., kitchen enameled ware mfrs., Newark, N. Y.
fg. Co., bench vises & pipe tools, Erie, Pa.
fg. Co., rug looms, Springfield, Ohio.
l Co., lubricating, Atlanta, Ga.
ntice Co., drilling machines & lathes, 53 Franklin, Bos-
; works, Worcester, Mass.
Prince Mfg. Co., bolts, nuts, screws, Worcester, Mass.
. H., & Bro., brick, Hightstown, N. J.
Rish, contrs., Marion, Ind.
Rogers Mfg. Co., agricultural implements, Vernon, Ind.
Sherwood Mfg. Co., wood tanks, Anoka, Minn.
nall Tool Wks., Worcester, Mass.
Sons Piano Mfg. Co., 28 E. Jackson blvd., Chicago, Ill.
Steeger Sash & Door Co., 4211 Chippewa, St. Louis, Mo.
one Co., Bedford, Ind.
Vendret, granite, S. Quincy, Quincy, Mass.
ire Specialties Co., Inc., concrete reinforcing materials,
E. 162d, New York.
/m., architect, 1617 Enderly pl, Fort Worth, Tex.
A. J., contr., 110 Jessie, San Francisco, Cal.
Jno. S., paint mfr., Hamilton, Ohio.
Oliver & Son, dry docks, Key Highway & Covington,
timore, Md.
C. H., Sons, meat packers, 185 1st av, New York.
rg Canning Co., Eau Claire, Wis.
D. V., Elev. Co., 1026 Kentucky av, Indianapolis, Ind.
Elevator Co., Hoboken, N. J.
Fndry. Co., 4600 Iowa, Chicago, Ill.
I. J., Elevator Co., 15 W. 2d, Cincinnati, Ohio
Mill Co., flour, Reedy, W. Va.
Ed., contractor, Trenton, N. J.
T. W., architect, Fort Dodge, Ia.
Co., machsts., 220 E. 86th, New York.
yrus B., heating contractor, 1322 14th, N. W., Washing-
, D. C.
lenn M., architect, Granite Bldg., Rochester, N. Y.
lans, Sons, leather belting butts, 39 Frankfort, New York.
as., & Sons Co., tubular boilers, 18 4th, Pittsburgh, Pa.
ott Co. (Ltd.), lumber, 911 Hibernia bldg., New Orleans,

ayler & Co., Inc., contrs., Trenton, N. J.
Bro., rural mail boxes, Rolling Prairie, Ind.
orriher Lbr. Co., Connell, Texas.
E. C., canned goods, Harrington, Del.
F. W., broom corn cleaners, machsts. & fndrs., Paris, Ill.
Hiram, contractor, Punxsutawney, Pa.
S. P., & Co., Harrington, Del.
S. W., & Co., steel stamps, stencils, 44 Vesey, New York.
Sephaniah, machst., Plymouth, Pa.
heriff Lumber Co., Williamsport, Pa.
V. J., Brass Fndry. Co., fndr., Quincy, Ill.
Ewald R., hair cloth mfr., Hulmeville, Pa.
R. C., Co., cornices, Pawtucket, R. I.
Abner S., & Sons., masons' & bldrs.' matls, 88 Front,
wark, N. J.
Augustus, brick, Maple Shade, N. J.
& Burr, contractors, Morristown, N. J.
H. Edward, architect, Prudential Bldg., Newark, N. J.
Hy. E., machsts. & fndrs., 459 Carroll, Brooklyn, N. Y.
Wm. D., contractor, Englewood, N. J.
Wm. K., contractor, 826 19th, N. W., Washington, D. C.
Alfred J., architect, East Moline, Ill.
& Baillie, architects, 141 N. Jefferson av, Peoria, Ill.
Bros. Co., steel plate construction, etc., Alliance, Ohio
*adv. index at end of book*
Co., paint mfrs., 805 Howard, New Orleans, La
Chas. S., machsts. & brass frdrs., Horseheads, N. Y.
Cubberly Engine Co., machsts., Trenton, N. J.
Frank, brick, New Albany, Miss.
Geo. H., pack'g box mfrs., 290 Greene, Brooklyn, N. Y.
H. Alban, architect, Cham. of Com. Bldg., Los Angeles,
l.
Hubert E., architect, 103 Park av, New York
Jas. M., machsts., Alexandria, Ind.
Marble Co., Atlanta, Ga.
Mfg. Co., mitre scales, models & experimental wks., Mil-
d, Conn.
Mfg. Co., stove pipe & elbow mfrs., Dover, Ohio.
Mark B., contractor, Wildwood, N. J.
Paul S., & Co., bearings, bushings, castings, rods, etc.,
15 Catharine, Philadelphia, Pa.
Pulley Co., machs. & fndrs., Columbus, Ind.
& Ramsey, architects, Putnam Bldg, Davenport, Ia.
S. V., heaters, 45 N. 2d, Philadelphia, Pa.
Sexton Auto Co., Columbus, Ind.
& Skinner Machy Co., machry. dlrs., 2211 Olive, St.
uis, Mo.
Stacy & Sons, contractors, 2011 Market, Phila., Pa.
Supply Co., plumbers' & steam fitters' supplies, 1304
Gee, Kansas City, Mo.
T. C., contrs., Odd Fellow bldg, St. Louis, Mo.
T. J., & Co., fertilizer, Thomaston, Ga.
W. H., & Co., contractors, Greenport, N. Y.

Refiners Engineering & Supply Co., fullers earth, 39 S. La Salle, Chicago, Ill.
Refinite Co., water softeners, Omaha, Neb.
Reflectolyte Co., electric light fixtures, 914 Pine, St. Louis, Mo.
Reflector & Hdwe. Specialty Mfg. Co., 2235 S. Western av, Chicago, Ill.
Reflex Ignition Co., spark plugs, 1708 Payne av, Cleveland, Ohio.
Reflor, David, mill & facty supplies, Ottawa, Ill.
Refractory Materials Co., fire resisting cements, 30 Church, New York
Refrigerating World, trade publication, 233 Broadway, Woolworth Bldg., New York
Refrigerating, X. L. Co., 5840 S. Honore, Chicago, Ill.
Refrigeration Engineering Co., Toledo, Ohio
Refuge Cotton Oil Co., Vicksburg, Miss.
Regal Belting Co., 2520 Spring Grove, av, Cincinnati, Ohio.
Regal Gasoline Engine Co., Coldwater, Mich.
Regal Motor Car Co., 216 Piquette, Detroit, Mich.
Regal Silver Mfg. Co., New Haven, Conn.
Regan & Weller, architects, Bank of Com. Bldg., Memphis, Tenn.
Regan, Wm. P., architect, 296 Essex, Lawrence, Mass.
Regar Brass Mfg. Co., machsts. & fndrs., 1523 E. 45th, Cleveland, Ohio.
Regelmann, Henry, architect, 147 4th av, New York.
Regenbogen, Philip, trunk mfrs., 736 South, Philadelphia, Pa.
Regenstein-Veeder Co., cardboard, 1326 N. Halsted, Chicago, Ill.
Regent Brass Co., Marysville, Ohio.
Regent Stove Co., fndrs., Wyandotte, Mich.
Reger, H. P., & Co., heating contrs., 5512 Lake Pk. av, Chicago, Ill.
Regina Co., machts., 47 W. 34th, New York.
Regina Co., pianos, Rahway, N. J.
Regina Flour Mill Co., St. Louis, Mo.
Regina Swimming Devices & Nov. Co., 22 E. 21st, New York.
Regnall, B. J., Co., contractors, 19 S. La Salle, Chicago, Ill.
Reh, I., architect, 320 5th av, New York.
Rehberger Mfg. Co., advtg. novelties, 548 Webster av, Chicago, Ill.
Reheis Bros., pearl buttons, Newark, N. J.
Rehfuss, Geo., & Sons, machsts., 1311 Carlisle, Phila, Pa.
Rehfuss, Martin, Jr., harness mfrs., Indianapolis, Ind.
Rehkopf Bros., carriages, Topeka, Kans.
Rehkopfs Mattress Co., Texarkana, Tex.
Rehm & Co., flag mfrs., tents, 214 Washington, New York.
Rehm Hardware Co., whol. hdwe. & screw drivers, 1501 Blue Island av, Chicago, Ill.
Rehman, August, architect, Bridgeville, Pa.
Rehoboth Packing Co., Rehoboth Beach, Del.
Rehtz, F. C., carriages, Rochester, N. Y.
Reich, John, heating contr., 623 Clark, Milwaukee, Wis.
Reich, V. E., green house bldrs. & materials, sash, door & blind mfrs., 1429 Metropolitan av, Brooklyn, N. Y.
Reichard, F. A., oxide of iron, chloride of lime, 303 5th av, New York.
Reichard Supply Co., plumbers' supplies, Hagerstown, Md.
Reichardt, F. A., & Co., surgical instruments & safety razors, mfrs., 83 Barclay, New York.
Reichardt Piano Co., 1311 Milwaukee av, Chicago, Ill.
Reichel & Drews, machsts, 559 W. Lake, Chicago, Ill.
Reichenbach-Wickenhiser Co., whol. hdwe., Huntington, Ind.
Reichert Cedar Co., lbr. mfrs., Anacortes, Wash.
Reichert Mfg. Co., concrete forms, 1440 Booth, Milwaukee, Wis.
Reichert, N., contrs., Racine, Wis.
Reichhelm E. P. & Co., Inc., sandblast machs., 24 John, New York.
Reichley Bros. & Co., lumber, St. Clair, Pa.
Reick, Karl, machsts. & brass fndrs., Veedum, Wis.
Reid, A. H., Creamery & Dairy Supply Co., 69th & Haverford, Philadelphia, Pa.
Reid, A. P. (Est.), sash, door & blind, Parkesburg, Pa.
Reid, A. S., & Co., masons' & bldrs.' matls, 786 Broad, Newark, N. J.
Reid, Alex., & Co., tubular boilers, 165 Charles, New York.
Reid Brass Mfg. Co., bath, supply & waste fittings, 595 Kent av, Brooklyn, N. Y.
Reid Bros., architects, 105 Montgomery, San Francisco, Cal., & 129 W. 3d, Los Angeles, Cal.
Reid Brothers, hospital furniture, 585 Mission, San Francisco, Cal.
Reid Bros. Co., gauges & surface grinders, Beverly, Mass.
Reid Bros. Co., tubular boilers, Bellingham, Wash.
Reid Bros., hospital furniture, Seattle, Wash.
Reid Co., cornices, Moline, Ill.
Reid, Francis W., architect, 1725 6th av, Oakland, Cal.
Reid, Fred, stone prod., Rockford, Ill.
Reid Geisler Mfg. Co., humidifiers, 5237 Ravenswood av, Chicago, Ill.
Reid, Geo. B., architect, Henry Bldg., Seattle, Wash.
Reid, J. B., architect, Alexandria Bay, N. Y.
Reid, J. E., Instrument Co., Inc., dental & optical instruments, 408 N. 12th, Philadelphia, Pa.
Reid, J. H., & Son, contractors, 1057 12th, Detroit, Mich.
Reid, Jas. M., contractor, Mount Vernon, N. Y.
Reid, John, & Co., naval architects, 17 Battery pl, New York.
Reid, Jno., Jr., architect, 1st Nat. Bk. Bldg., San Francisco, Cal.
Reid, Jno. L., heating contr., 356 Mulberry, Newark, N. J.
Reid, Jos., Gas Engine Co., Oil City, Pa.

Reid Lbr. Co., Selma, Ala.
**Reid, M., & Co., contractors, 114 W. 39th, New York.**
Reid Merritt J., archit., Pacific bldg, San Francisco, Cal.
**Reid, Murdoch & Co., canned goods, Clark St. Bridge, Chicago, Ill.**
Reid-Palmer Constr. Co., 30 E. 42d, New York.
Reid Portable Oven Co., 617 Main, Buffalo, N. Y.
**Reid, R. W., machst. & fndrs., 595 Kent av, Brooklyn, N. Y.**
**Reid, Robt., machst., 71 Laurel, Philadelphia, Pa.**
Reid, Sidney, carriages, Marlboro, N. J.
Reid, W. W., Mfg. Co., metal polish, 17 Caldwell, Boston, Mass.
Reid, Wilfred C., architect, 122 E. 32nd, New York
**Reid, Wm. B., architect, 280 High, Holyoke, Mass.**
Reid, Wm. E., contrs., Decatur, Ill.
**Reid, Wm. G., & Co., parquet floors, 16 W. 47th, New York.**
Reid, Wm. W., harness leather, 235 W. Lake, Chicago, Ill.
Reidenbach, R. P., flour mills, Ashtabula, Ohio.
Reidenouer & Erickson, contractors, 535 E. 47th, Chicago, Ill.
Reidy, Jno. J., linemen's climbers, New Haven, Conn.
Reidy Machine Screw Co., New Haven, Conn.
Reidy, M. J., architect, Albany, Ga.
Reidy & Kelly, mason bldrs., Naugatuck, Conn.
Reif, H. A., cornices, Glendale, Cal.
Reiff, D. T., carriages, Kokomo, Ind.
Reiff & Nestor, screw taps, Lykens, Pa.
**Reiges, Tobis B., mchsts., Pottstown, Pa.**
Reighard Lbr. Co., Swannanoa, N. C.
Reiland Packing Co., meat packers, Grand Rapids, Wis.
Reiley, Robt. J., architect, 477 5th av, New York.
Reilley Bros. Ladder Co., 324 W. 41st, New York.
**Reilly, A. E., roll grinding & corrugating, 179 Eagle, Buffalo, N.Y.**
**Reilly, Austin L., architect, Bennett Bldg., Wilkes-Barre, Pa.**
**Reilly Bros. & Raub, masons' & bldrs.' matls., who. hdwe., mill & facty. supplies, Lancaster, Pa.**
Reilly-Callaghan Coal & Coke Co., bituminous, Uniontown, Pa.
Reilly Co., insecticides, floor oils, paint & wood preservatives, Indianapolis, Ind.
Reilly, Cornelius M., contrs., Wilkes-Barre, Pa.
**Reilly, Daniel, htg. contr., North Yakima, Wash.**
Reilly, Dennis E., architect, Derby, Conn.
**Reilly Engineering Co., heating contrs., College Point, N. Y.**
**Reilly, Frank X., architect, Pottsville, Pa.**
Reilly, Hugh, Co., paint, oils & glass wholesale, 1334 New York av, N. W., Washington, D. C.
**Reilly, J. E., Stone Co., 10 Riverside av, Newark, N. J.**
Reilly, J., Jr., cornices, Bridgeport, Conn.
Reilly, John, patent leather, 40 Av. C, Newark, N. J.
Reilly, John W., architect, 802 Hamilton, Allentown, Pa.
**Reilly & Lathrop, masons' & bldrs.' matls., Northfield, Minn.**
**Reilly & Manz, bed springs, 192 R. R. av, Jersey City, N. J.**
Reilly, Martin B. Co., Inc., grain dryers, 9 S. Clinton, Chicago, Ill.
Reilly, Paul C., architect, 749 5th av, New York
**Reilly, P., & Son, patent leather, Passaic av, Newark, N. J.**
**Reilly Steam Pump Works, Louisville, Ky.**
**Reilly, Thos., contractor, 1616 Thompson, Philadelphia, Pa.**
**Reilly, W. W., & Bro., lumber, Brisbane Bldg., Buffalo, N. Y.**
Reily, A. E., architect, Eau Claire, Wis.
Reily, Solon L., architect, 112 W. Adams, Chicago, Ill.
**Reiman, G. E. & E. E. Co., contractors, Nap av & Pitt, New Orleans, La.**
**Reiman Lime & Cement Co., masons' & bldrs.' matls., Terre Haute, Ind.**
**Reimar, C. F., & Co., contractors, Marshalltown, Ia.**
Reimard Bros., contractors, Bloomsburg, Pa.
Reimer, architect, Marshalltown, Ia.
**Reimer, Jno. B., masons' & bldrs.' matls., Ozone Park, N. Y.**
Reimer, Louis A., heating contr., 650 3d, Milwaukee, Wis.
Reimers-Kaufman Co., stone—artificial bldg., Lincoln, Neb.
**Reimers Mfg. Co., elec. sad irons, 517 W. 45th, New York.**
Reimers, Peter A., cornices & skylights, Davenport, Ia.
Reinbold, Ernst, brick, Sebewaing, Mich.
Reinbold, Jos., Bronze Co., fndrs., Newark, N. J.
Reinbold Mfg. Co., fruit parers, 139 Beaubier, Detroit, Mich.
Reineke-Wagner Pump & Supply Co., mill & facty. supplies, 416 1st av, Pittsburgh, Pa.
Reinemund Hardware Co., Audubon, Ia.
Reinert Bros. Constr. Co., St. Joseph, Mo.
Re-Inforced Concrete Co., Arcade bldg, St. Louis, Mo.
Reinforced Concrete Roof Co., Youngstown, Ohio.
Reinforced Rail Joint Co., Syndicate Trust Bldg., St. Louis, Mo.
Reinhardt, Adolph, contractors, Terre Haute, Ind.
Reinhardt Bros., contractors, 645 5th av, New York.
Reinhardt, C. H., contractor, 436 20th, Milwaukee, Wis.
Reinhart & Donovan Co., steel structural work, Oklahoma, Okla.
Reinheimer Quarries Co., New Paris, Ohio.
Reinhold Belting & Supply Co., leather belting, 491 Atlantic av, Brooklyn, N. Y.
Reinhold, Henry L., Jr., architect, 1309 Walnut, Phila., Pa.
Reinhold Mfg. Co., machsts., 139 Beaubien, Detroit, Mich.
**Reinhold & Meyer Mfg. Co., dairy apparatus & supplies, Plymouth, Wis.**
Reinhold Noflux Aluminum Solder Co., 31 Clinton, Newark, N. J.
Reinke, Gust., contractor, Sandusky, O.
Reinle Salmon Co., store fixtures, Warner & Stockholm, Baltimore, Md.
Reinschmidt, C. & H., blowing balls, Rochester, N. Y.



Reinthal & Newman, advtg. post cards, 106 W. 29th, New
Reippel's, Jno., Sons, machsts. & fndrs., Cowanesque, Pa.
Reis, G., & Bro., hosiery bands & labels, 900 B'way, New
Reis, J. B., Lumber Co., Belleville, Ill.
Reis, John, contrs., Two Rivers, Wis.
Reiser, Mac L., architect, 198 Bristol, Brooklyn, N. Y.
Reiser Machine Shop, Ltd., Lake Charles, La.
Reisert Automatic Water Purifying Co., 23 E 26th, New Yo
Reisig, Chas. H., aniline colors, etc., 269 Water, New York.
Reisinger, Hugo, arc light carbons, 11 B'way, New York.
Reisinger, Robt. L., & Co., bldg. contrs., First Natl. Bank B Milwaukee, Wis.
Reisner, W. H., Mfg. Co., pipe organ hardware, optical spe ties, etc., Hagerstown, Md.
Reiss Bros. Co., pipes, 208 W. Monroe, Chicago, Ill.
Reissman, Otto, architect, 147 4th av, New York.
Reite, J. B., contractor, 951 Mission, San Francisco, Cal.
Reiter, E. H., boiler flue & tube cleaners, Elgin, Ill.
Reiter, G. C., unmounted elec. bell gongs & stamping, Canto
Reiter, Irvin T., Co., contrs., Commercial Trust Bldg., P delphia, Pa.
Reith Polish Co., metal polish, 1626 N. Sawyer av, Chicago
Reith, Wm., glass embossers & stainers, 134 N. 7th, Phila.,
Reitnauer, Jas., flour mills, Pikesville, Pa.
Reitz Bros. Co., masons' & bldrs.' matls., Portsmouth, Ohio.
Reitz Bros. Stone Co., 3007 Arsenal, St. Louis, Mo.
Reitz, Clemens, Sons Co., lumber mfrs., Evansville, Ind.
Reitz Coal Co., bituminous, Windberg, Pa.
Reitz, John A., & Sons, lumber mfrs., Evansville, Ind.
Reitze Wall Paper & Paint Co., Denver, Colo.
Relc Extinguisher Corp. of America, 52 Vanderbilt av, York.
Reliable Auto. Parts Co., 244 W. 49th, New York.
Reliable Brush Co. See Crescent Brush Wks. (successor).
Reliable Elec. Co., testing clamps, horse clipping machines. 411 S. Sangamon, Chicago, Ill.
Reliable Engine Co., gas, oil & traction engines, Portsmo Ohio.
Reliable Incubator & Brooder Co., Quincy, Ill.
Reliable Machine Co., gas engines, Anderson, Ind.
Reliable Machine Co., sheet metal stamping, 5320 St. Clair Cleveland, Ohio.
Reliable Machine Co., wire, Bridgeport, Conn.
Reliable Match Co., Ashland, Ohio.
Reliable Safe & Lock Co., Inc., Covington, Ky.
Reliable Stamping Co., cornices & skylights, Tacoma, Wash
Reliable Stamping Co., folding rules, Buffalo, N. Y.
Reliable Stove Co., 1787 E. 40th, Cleveland, Ohio.
Reliable Water Motor & Mfg. Co., Burlington, Ia.
Reliance Aniline & Chem. Co., 229 B'way, New York.
Reliance Arch'l Iron Wks., 253. Monitor, B'klyn, N. Y.
Reliance Automatic Fdry. Co., switches, Racine, Wis.
Reliance Boiler Wks., Oshkosh, Wis.
Reliance Buggy Co., St. Louis, Mo.
Reliance Coke Co., Frick bldg, Pittsburgh, Pa.
Reliance Co., auto. locks & tow lines, 415 S. Sangamon, cago, Ill.
Reliance Construction Co., Board of Trade Bldg., Indianap Ind.
Reliance Die & Stamping Co., 515 N. La Salle, Chicago, Il
Reliance Electric & Engng. Co., "Reliance" electric motors generators, 1064 Ivanhoe rd, Cleveland, Ohio.
*See adv index at end of book.*
Reliance Elec. Htg. Co., cooking app., Columbia, Pa.
Reliance Elevator Co., 212 W. Austin av, Chicago, Ill.
Reliance Engng. Co., machsts. & fndrs., Lansing, Mich.
Reliance Equipment Co., mill & facty. supplies, Mobile, Ala.
Reliance Fertilizer Co., Savannah, Ga.
Reliance Fireproof Door Co., West & Milton, Brooklyn, N. Y
*See adv. index at end of book.*
Reliance Fndry. Co., Richmond, Ind.
Reliance Gauge Column Co., steam traps, etc., Cleveland, Ohi
Reliance-Grant Elevator Equipt. Corp., 101 Madison av, York.
Reliance Instrument Co., storage battery charging sets, meters, etc., 1313 Moorman, Chicago, Ill.
Reliance Lumber Co., Seattle Wash.
Reliance Mach. & Tool Wks., Channing & Franklin avs, Louis, Mo.
Reliance Mach. Wks., Hedge & Plum, Phila., Pa.
Reliance Machinery Sales Co., Brighton rd & Pennsylvania Pittsburgh, Pa.
Reliance Machy. & Supply Co., mill & facty. supplies, 217 Peters, New Orleans, La.
Reliance Mfg. Co., locks, nuts, & washers, Massillon, Ohio.
Retliance Mfg. Co., machst., Pasadena, Cal.
Reliance Mfg. Co., oil extractors, Cleveland, Ohio.
Reliance Metal Spinning & Stamping Co., Inc., 160 John, Br lyn, N. Y.
Reliance Milling Co., flour, Murphysboro, Ill.
Reliance Motor Truck Co., Appleton, Wis.
Reliance Oil & Grease Co., 50 South, New York.
Reliance Oil & Grease Co., wire rope coating, Cleveland, Ohi
Reliance Paint Co., Akron, Ohio; 357 Bond, B'klyn, N. Y 25 Beaver, New York.
Reliance Pattern Wks., 3202 Smallman, Pittsburgh, Pa.
Reliance Quarry & Const. Co., stone prod., Alton, Ill.

nce Spring & Mfg. Co., Inc., 3910 2nd av, Brooklyn, N. Y.
nce Steel Casting Co., 28th & Smallman, Pittsburgh, Pa.
nce Steel & Tool Co., 24 Murray, New York.
nce Toggle & Machine Co., wooden toggle mfrs. & jobbing machsts., Lowell, Mass.
nce Varnish Wks., 104 Johonson, Newark, N. J.
icle-Hummel Gear & Machine Works, Inc., 23 Rose, New York
ily Mfg. Co., buckets, etc., Tamaqua, Pa.
er Bros., masons' & bldrs. matls., Saginaw, Mich.
y, S. E., architect, Whitney bldg, Detroit, Mich.
hof, Chas., globe holders, 87 35th, Brooklyn, N. Y.
ck, A. R., masons' & bldrs. matls., Kelso, Wash.
ck, Timothy, & Co., waste, 176 Federal, Boston, Mass.
ck, Jas. S., Co., auto. accessories, Sacramento, Cal.
en & Kuhnert Co., enamels, 63 W. Grand av, Chicago, Ill.
iler Tire Mfg. Co., Ashland, Ohio.
nder Clock Co., automatic interval, East Oakland, Cal.
ngton Arms Company, Inc., 233 B'way, New York
ngton, Cornelius G., architect, Hampton, Va.
ngton, F. H., contractor, Rutland, Vt.
ngton, H. E., & Co., pads & tablets, Fitchburg, Mass.
ngton Mach. Co., 411 E. Front, Wilmington, Delaware.
ngton Motor Co., 9 Central Park W., New York.
ngton Oil Engine Co., Stamford, Conn.
ington Oil Engn. Co. elec. lgt. plants, 30 Church, New York.
ngton Packing Co., canned goods, Moorhead, Minn.
ington Paper & Power Co., Inc., Watertown, N. Y.
ngton & Sherman Co., machsts. & fndrs., 636 Richmond, Phila., Pa.
ington Typewriter Co., machsts., 374 B'way, New York; wks. at Syracuse & Ilion, N. Y., & Bridgeport, Conn.; Sales office at Syracuse, N. Y.
ley, Esley P., ties, Dermott, Ark.
nel, B. E., architect, Porterville, Cal.
nel, Nicholas, machsts. & fndrs., Kewaskum, Wis.
ners, B., & Sons, centrifugals, grain dryers, sand filters, etc., 1227 Germantown, Philadelphia, Pa.
ners, F. J., Contr. & Bldg. Co., 805 Cass av, St. Louis, Mo.
ners Soap Co., 2261 Spring Grv. av, Cincinnati, Ohio.
ney, Rich. C., Son, Co., chemical stoneware, cupola linings or blocks, etc., Hedley & Del., Philadelphia, Pa.
plite Point Co., San Francisco, Cal.
p, R., brick, Dresbach, Minn.
pe Co., pipe bends, 341 N. Sacramento av, Chicago, Ill.
pe, F., & Son, lbr. & sash, door & blind mfrs., 2nd Natl. Bank, Cincinnati, Ohio
pis & Gallmeyer Fdry. Co., Grand Rapids, Mich.
ppis, W. F., Iron Works, arch. & ornamental iron works, 226 Spruce, Reading, Pa.
y Bros. Co., Kokomo, Ind.
y Elec. Co., Anderson, Ind.
ud, D. J., & Son, machsts. & brass fndrs., Carthage, N. Y.
ult Selling Branch, automobile bldrs., 719 5th av, New York.
l, W. P., Coal & Coke Co., McCormick bldg, Chicago, Ill.
lins, Panzer & Martin, architects, Palace Theatre bldg, Cincinnati, Ohio
lle, G. T., Co., contractors, 270 Condor, E. B., Boston, Mass.
lle-Stodard Co., contrs., Chelsea, Mass.
le, W. S., dock bldg. contractor, 135 Prescott, Boston, Mass.
lrock Powder Co., 106 Wall, New York.
ew Lamp Co., Malden, Boston, Mass.
rew Machy. Co. (Ltd.), 445 Milwaukee, Milwaukee, Wis.
rew Mfg. Co., cotton damasks, Adams, Mass.
rew, R. M., canned goods, Fayetteville, Pa.
row & Dean, flour mills, Dundee, Ky.
m Specialty Co., boxes, panel board cabinets, Brighton, Boston, Mass.
-Davis & Co., mattress mfrs., Portsmouth, Va.
& Morrison, brick, Haverstraw, N. Y.
nacker Construction Co., 10 S. La Salle, Chicago, Ill.
neburg, Edw., & Sons Co., machy. mfrs., 2639 Boston, Baltimore, Md.
nie, John T., machsts. & fndrs., Cairo, Ill.
inger, John H., contractor, Schuylkill Haven, Pa.
nolds, J. A., & Bro., lbr., 116 Broad, New York.
ous, Kleinle & Co., paint brushes, 3221 Frederick av, Baltimore, Md.
Bros. Paint Co., Pulaski, Pa.
-Kaetker Elec. Co., motor charging rheostats, Gerke Bldg., Cincinnati, Ohio.
Mfg. Co., neck yokes, staples, etc., Erie, Pa.
Pressed Brick Co., Reno, Nevada.
udet, P. L., Lumber Co., Ltd., New Iberia, La.
hler, John D., coffins, Findlay, Ohio.
selaer Lumber Co., Rensselaer, Ind.
selaer Polytechnic Institute, engng. schools & colleges, Troy, N. Y.
selaer & Valatie Mills, sweaters, cardigans, etc., Valatie, N. Y.
selaer Valve Co., mfrs., Troy, N. Y.
on, G. W., trap vents, 28 Johnson av, Brooklyn, N. Y.
on, Wm., machst. & fndr., Pittsburgh, Pa.
vick, Aspinwall & Tucker, architects, 8 W. 40th, New York.
vick, Wm. W., architect, 38 W. 32nd, New York.
Renwick, W. W., architect, Short Hils, N. J.
Reo Motor Car Co., Lansing, Mich.
Reordway Mfg. & Sales Co., gauge glass reflectors, Marquette Bldg., Chicago, Ill.
Reppell-Murphy Elec. Co., bell ringing transformers, 3307 Summit, Kansas City, Mo.
Reppenhagen, M. E., razor strops, Highland Falls, N. Y.
Replogle Co., flour mills, Red Oak, Ia.
Reproduction Co., advt. nov. & spec., 351 Jay, Brooklyn, N. Y.
Repsdorph Tent & Awning Co., Houston, Tex.
Republic Box Co., 925 N. Halsted, Chicago, Ill., & Marinette, Wis.
Republic Carbon Co., carbon resistors & electrodes, Niagara Falls, N. Y.
Republic Chemical Co., Inc., Nerdle Island, Pittsburgh, Pa.
Republic Coal Co., 28 E. Jackson blvd, Chicago, Ill.
Republic Color & Chem. Wks., Reading, Pa.
Republic Construction Co., 233 B'way, New York, & Merchants Bank Bldg., Indianapolis, Ind.
Republic Creosoting Co., sanitary flooring & wood paving blocks, Merchants Bk. Bldg., Indianapolis, Ind.
*See adv. index at end of book.*
Republic-Dodge Mfg. Co., carbon paper & typewriter ribbons, 188 3d av, Brooklyn, N. Y.
Republic Flow Meters Co., 565 Washington blvd, Chicago, Ill.
Republic Iron & Steel Co. (Niles Wks.), Niles, Ohio.
**REPUBLIC IRON & STEEL CO.,** steel bars, plates, nuts, spikes, turnbuckles, etc., Youngstown, Ohio.

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Republic Mfg. Co., mill & facty. supplies, 14 N. Peoria, Chicago, Ill.
Republic Metalware Co., Buffalo, N. Y.
Republic Mining & Mfg. Co., bauxite, Harrison Bldg., Phila., Pa.
Republic Motor Truck Co., Alma, Mich.
Republic Paint & Lead Wks., rfg. cements, 5716 Euclid av, Cleveland, Ohio.
Republic Rubber Co., Youngstown, Ohio.
Republic Stamping & Enameling Co., Canton, Ohio.
Republic Stove & Mfg. Co., 1802 E. 40th, Cleveland, Ohio.
Republic Structural Iron Works Co., 1350 E. 53d, Cleveland, O.
Republic Supply Co., mill & facty. supplies, Shreveport, La.
Republic Tool & Mfg. Co., mill & facty. supplies, 1401 N. 9th, Cleveland, Ohio
Republic Well Supp. Co., mill & facty. supp., San Francisco, Cal.
Repult, J. W., lbr., Plantersville, Miss.
Requa Mfg. Co., manicure sets, 1193 Atlantic av, Brooklyn, N. Y.
Requa, S. E., lbr. mfrs., Monsey, N. Y.
Requarth, F. A., Co., sash, door & blind mfrs., Dayton, Ohio.
Res Mfg. Co., spice cabinets, holders, hooks, etc., 2907 Meinecke av, Milwaukee, Wis.
Resch, Jno. A., architect, 170 Lexington av, Jersey City, N. J.
Reschke Machine Works, Wichita, Kans.
Research Mfg. Co., pickling compounds, Oak Lane Station, Pa.
Reserve Mining Co., iron ores, Cleveland, Ohio.
Resler, J. A., sashes, doors & blinds, Caledonia, Ohio.
Resler, Richard, architect, 501 5th av, New York
Reslow Chem. Co., pthalic anhydride, Lyndhurst, N. J.
Resnyk & Keller, architects, 131 W. 39th, New York
Resolute Pottery Co., Trenton, N. J.
Ress, W. N., machsts., Lincoln, Neb.
Ressler, G. S., & Co., carpet beaters, Lansing, Mich.
Ressler, Nick, architect, Mandan, N. D.
Restein Clement Co., mill & facty. supplies, 139 N. 2d, Philadelphia, Pa.
Restrick Lbr. Co., 1016 Vinewood av, Detroit, Mich.
Retail Coalman, trade publication, Monadnock Bldg., Chicago, Ill.
Retardo Fire Proof Paint Co., 416 E. North av, Milwaukee, Wis.
Rethorford Bros., lighting devices & machy., Muncie, Ind.
Retlaw Mfg. Co., indicators, 812 Woodbridge, E. Detroit, Mich.
Retmier, Frank C., contractor, Lemcke Bldg., Indianapolis, Ind.
Restorall Products Co., polishing mops, 189 Pearl, New York.
Retsof Mining Co., rock salt mfrs., 2 Rector, New York.
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Retting Furn. Co., Grand Rapids, Mich.

Reu & Garstang, architects, 215 W. 6th, Los Angeles, Cal.
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Reul Bros., sash, door & blind, Helenville, Wis.
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Reuter, Carl H., adding & calculating machines, Land Title Bldg., Philadelphia, Pa.
Reuter, G. A., lumber, Fort Recovery, Ohio.
Reuter & Harrington, architects, Frost Bldg., San Antonio, Tex.
Reuter, Henry, & Sons, cornices & skylights, Kankakee, Ill.
Reuter Hub & Spoke Co., Dexter, Mo.
Reuter Milling Co., flour, Flat River, Mo.
Reuther Bros., fndrs., Harrison, N. J.
Reuther Mfg. Co., potato diggers, Hamburg, N. Y.
Reuther-Scanlon Handle Co., Nashville, Tenn.
Reuting, D. F., sash, door & blind, Titusville, Pa.
Reutschler Bros., carriages, 1767 15th, San Francisco, Cal.
Revell, A. H., Co., furniture for public bldgs., 141 S. Wabash av, Chicago, Ill.
Revels, Frederick W., architect, Syracuse University, Syracuse, N. Y.
Revere Drop Forge Co., Revere, Mass.
Revere Motor Cars Corp., Logansport, Ind.
Revere Rubber Co., packing mfrs. & rubber gds., Chelsea, Mass.
Revere Rubber & Supply Co., machsts. tools, 1520 Main, Kansas City, Mo.
Revere Sugar Refinery, 15 Broad, Boston, Mass.
Reeves-Shorter Co., fertilizer mfrs., Eufaula, Ala.
Revis, Wm. H., Inc., tile, cements, 140 W. 42d, New York.
Revolute Mach. Co., blue & black prints & papers, 417 E. 93d, New York.
Revolution Cotton Mills, Greensboro, N. C.
Revolvator Co., portable elevators, 395 Garfield av, Jersey City, N. J. *See adv. index at end of book*
Revolving Door & Fixture Co., revolving door mfrs., 556 W. 27th, New York.
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Rex Buggy Co., carriages & wagons, Connersville, Ind.
Rex Cleaner Co., vacuum cleaner mfrs., 431 Kent av, Brooklyn, N. Y.
Rex Distilling Co., 49 Causeway, Boston, Mass.
Rex File & Saw Co., Newcomerstown, Ohio.
Rex Filter Co., water, 162 William, New York.
Rex Ignition Mfg. Co., 250 W. 54th, New York.
Rex Typewriter Co., 49 B'way, New York.
Rexford Gummed Tape Co., 598 Clinton av, Milwaukee, Wis.
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Rex Humus Co., 25 W. 45th, New York.
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Rex Mfg. Co., tool post mfrs., Cambridge, Mass.
Rex Milling Co., flour, Drapers, Va.
Rex Paper Co., Kalamazoo, Mich.
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Rex Wrench Co., adjustable wrenches, Hathaway bldg., Boston, Mass.
Rexford Gummed Tape Co., Milwaukee, Wis.
Rexim Co., blue prints, 908 Chestnut, Philadelphia, Pa.
Rexine Co., metal polish, hand soap, Sheboygan, Wis.
Rexroth, Louis, machsts., Indianapolis, Ind.
Reyburn-Hunter Foy Co., lightning rods, etc., 815 B'way, Cincinnati, Ohio.
Reyburn Mfg. Co., R.R. manifolding paper, tags, etc., 23d & Allegheny av, Philadelphia, Pa.
Reymann, Paul O., Co., meat packers, Wheeling, W. Va.
Reyner, J., & Son, ship chandlery, Newport News, Va.
Reynertson, Theis J., architect, 1937 N. Crawford av, Chicago, Ill.
Reynold-Zahn Co., hdwe. mfrs., 46 Mechanic, Newark, N. J.
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Reynolds Bros., hand cut files, Columbus, Ohio.
Reynolds Bros., wood handles, Corunna, Ind.
Reynolds Bros. Lbr. Co., Albany, Ga.
Reynolds Chalou Fdry. Co., grey iron castings, Troy, N. Y.
Reynolds, Clifford W., contractor, 50 Church, New York.
Reynolds Constr. Co., 308 S. 9th, Newark, N. J.
Reynolds-Dull Flasher Co., 18 S. Wells, Chicago, Ill.
Reynolds, E. J., & Co., furnace sand, Utica, N. Y.
Reynolds, E. J., Sand Co., Utica, Ill.
Reynolds, E. P., arch'l iron, 411 E. 91st, New York.
Reynolds, E. W., canned goods, Troutville, Va.
Reynolds Electric Co., electric motors & electric sign flashers, 2650 W. Congress, Chicago, Ill.
Reynolds, G. W. H., Fndry. Co., Troy, N. Y.
Reynolds, Gardner W., plumbers' solder, Meriden, Conn.
Reynolds Gas Regulator Co., Anderson, Ind.
Reynolds, H. B., Mfg. Co., fountains (poultry), Fredericktown, Ohio
Reynolds, H. M., Shingle Co., Grand Rapids, Mich.
Reynolds Home Mixture Guano Co., Reynolds, Ga.
Reynolds & Hughes, contrs., 425 Cortland, Baltimore, Md.
Reynolds, J. S., & Co., canned goods, Frederica, Del.
Reynolds, J., & Son, hot air furnaces, 1613 Filbert, Phila., Pa.
Reynolds, James, Co., green house heating, 195 State, Rochester, N. Y.
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Reynolds, L. W., elec. contr., Wallingford, Conn.
Reynolds Machine Co., gear & screw driving machy., Massillon, Ohio.
Reynolds, Marcus T., architect, 100 State, Albany, N. Y.
Reynolds Oil & Grease Co., mill & facty. supplies, 123 Oliver, Boston, Mass.
Reynolds Preserving Co., Sturgeon Bay, Wis.
Reynolds, R. J., Tobacco Co., machinists, Winston Salem, N. C.
Reynolds & Reynolds, architects, 748 Lamont, N. W., Washington, D. C.
Reynolds & Reynolds Co., pads & tablets, Dayton, Ohio.
Reynolds, S. H., canned goods, Nace, Va.
Reynolds & Son, mill & facty. supplies, Barre, Vt.
Reynolds Stamp & Stencil Works, 103 Westminster, Providence, R. I.
Reynolds, T. H., Constrg. Co., 13 Park Row, New York.
Reynolds, W. A., Lumber Co., Spencerville, Ohio.
Reynolds, W. J., stone producers, Roscoe, N. Y.
Reynolds, Wm. E., architect, Green Bay, Wis.
Reynolds Wire Co., Dixon, Ill.
Reynoldsville Brick & Tile Co., Reynoldsville, Pa.
Reznor Mfg. Co., founders, Mercer, Pa.
Rezny, Jas. B., architect, 2204 S. Crawford av, Chicago, Ill.
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R. & H. Mfg. Co., flush switch plates, Cleveland, Ohio.
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Rheinstein & Haas, contractors, 21 E. 40th, New York.
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Rhinehart Grain Co., Unipolis, Ohio.
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Rhinelander Box & Lbr. Co., Rhinelander, Wis.
Rhinelander Iron Co., Rhinelander, Wis.
Rhinelander Paper Co., Rhinelander, Wis.
Rhinelander, R. H., contractor, Glens Falls, N. Y.
Rhinelander Refrigerator Co., Rhinelander, Wis.
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Rhoads, Samuel, farm wagons, Anderson, Ind.
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R. I. Brass Fndry. Co., 9 Charles, Providence, R. I.
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R. I. Supply & Sprinkler Co., steam water mill supplies, automatic sprinkler equipment, 156 West Exchange, Providence, R. I.
R. I. Telephone & Elec. Co., 55 Pine, Providence, R. I.
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R. I. Washer Co., insulating & plumbers' washers, Valley Falls, R. I.
R. I. Wire Wks., 45 Willard av, Providence, R. I.
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Rhodes & Gault, flour mills, Murphysville, Ky.
Rhodes Glass & Bottle Co., Massillon, Ohio.
Rhodes, Herbert W., architect, 537A Congress, Portland, Me.
Rhodes, I. M., & Co., mill & facty. supplies, Meadville, Pa.
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Rhodes, Jas. H., & Co., chemicals, 2810 S. Albany, Chicago, Ill.
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Rhodes Mfg. Co., Rhodes shapers & slotters, 984 Park, Hartford, Conn. *See adv. index at end of book.*
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ne Milling Co., flour, Rhome, Tex.
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ne Bros. Lumber Co., Cartersville, Ga.
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Lake Lumber Co., Rib Lake, Wis.
eck, F. J., cornices & skylights, New Iberia, La.
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rd-Brewster Oil Co., 110 Orange, Wilmington, Del.
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ordino, A., scrap rubber, 1010 Webster, Pittsburgh, Pa.
, A. H., Co., silk thread, Pittsfield, Mass.
, A. L., paint mfrs., Adams, N. Y.
, A. W., lumber, Millbury, Mass.
& Adams, machinery, Buffalo, N. Y.
, Barton & Fales Mach. & Iron Co., Worcester, Mass.
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-Dobby Chain Co., Millbury, Mass.
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, E. A., Co., canned goods, 2230 S. La Salle, Chicago, Ill.
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, Edw. J., & Son, plumbers, 203 Main, W., Rochester, N. Y.
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, Geo. H., Co., junction boxes, 431 E. 23d, New York.
, H. H., Co., box shooks, South Athol, Mass.
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& Hochester, tortoiseshell hair pins, 87 Fifth av, New York.
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Hdwe. Co., auto springs & whol. hdwe., Phoenix, Ariz.
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, Jno. P., lime, Swanton, Vt.
, Louis, Constr. Co., East St. Louis, Ill.
Lbr. Co., Manchester Depot, Vt.
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, Patrick, contractor, 342 Birmington, Boston, Mass.
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Richard Auto Mfg. Co., Engineers Bldg., Cleveland, Ohio.
Richard, Frank & Gardner Co., mill & facty. supplies, 47 South, New York.
Richard Mfg. Co., machy., presses, etc., Bloomsburg, Pa.
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Richard, S. C., & Co., architects, 430 Library, Pittsburgh, Pa.
Richard, Stephen, Co., knives, Southbridge, Mass.
Richardi & Bechtold, woodenware mfrs., Bellaire, Mich.
Richards, A. J., & Son, masons' & bldrs.' matls., Quincy, Mass.
Richards, Albert J., auto. axles, springs & tops & carriages, 632 W. Jefferson, Louisville, Ky.
Richards, Benj., & Co., machsts. & fndrs., Winsted, Conn.
Richards Brick Co., Edwardsville, Ill.
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Richards & Co., whol. hdwe., metals, 192 Beverly, Boston, Mass.
Richards & Conover Hardware Co., 5th, N. W., cor. Wyandotte, Kansas City, Mo.
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Richards, D. M., masons' & bldrs.' matls., Kettle Falls, Wash.
Richards, D. W., architect, 215 S. 2d, Cedar Rapids, Ia.
Richards, Dexter, & Sons Co., flannels, woolen, Newport, N. H.
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Richards, H. H., Lumber Co., West Haven, Conn.
Richards, Henry, architect, Gardiner, Me.
Richards, Henry H., architect, 5467 Wash. blvd., Chicago, Ill.
Richards & Hirschfeld, Inc., machinery dealers, 50 Church, New York.
Richards, I. P., Co., boilermakers' punches, etc., 23 Pemberton, Providence, R. I.
Richards Iron Works, machsts. & fndrs., Manitowoc, Wis.
Richards, J. A., machinist, Albion, Mich.
Richards, J. R., diamond drilling, Indiana, Pa.
Richards, John R., granite, Quincy, Mass.
Richards & Kelly Mfg. Co., vault & sidewalk lights, 309 W. 23d, Chicago, Ill.
Richards, L. W., cornices & skylights, Memphis, Tenn.
Richards, McCarty & Bulford, architects, 209 E. Broad, Columbus, Ohio
Richards Mach. Co., 3417 Vliet, Milwaukee, Wis.
Richards Mfg. Co., pipe coverings, 325 Scribner av, Grand Rapids, Mich.
Richards Mfg. Co., camp stools, Marietta, Ohio.
Richards, O. S., packing box mfrs., 87 34th, Brooklyn, N. Y.
Richards, R., & Sons Co., contractors, 246 Elizabeth, Utica, N. Y.
Richards, Samuel, brick & tile, New London, O.
Richards Shook Corp., 19 W. 44th, New York
Richards, Stockwell, contrs., Watertown, N. Y.
Richards Trunk Mfg. Co., 200 W. Mulberry, Baltimore, Md.
Richards, W. B., Jr., contractor, 2026 McClelland, Salt Lake City, Utah.
Richards, Walter W., buttons, Muscatine, Ia.
Richards-Wilcox Mfg. Co., door hangers & hdwe. specialties, Aurora, Ill.
Richards, Wm. G., architect, 17 Exchange, Providence, R. I.
Richardson, A. Edw., architect, 100 Amity, Flushing, N. Y.
Richardson, A. H., Lumber Co., 176 Federal, Boston, Mass.
Richardson Aeroplane Corp., Canal Bk. Bldg., New Orleans, La.
Richardson Ball Bearing Skate Co., 154 E. Erie, Chicago, Ill.
Richardson, Barott & Richardson, architects, 31 State, Boston, Mass.
Richardson, Barott & Richardson, architects, 8 Beacon, Boston, Mass.
Richardson Boat Co., motor boats, No. Tonawanda, N. Y.
Richardson & Bottomley, mchsts. & fndrs., West Mansfield, Mass.
Richardson & Boynton Co., mchsts. & fndrs., 31 W. 31st, New York.
Richardson Bros., carriages, Richmond, Va.
Richardson & Burgess, contractors, Colorado Bldg., Washington, D. C.
Richardson, C., architect, Moscow, Idaho.
Richardson & Clement, htg. contrs., 20 Union, Boston, Mass.
Richardson Co., cornices, Mohawk, N. Y.
Richardson & Co., second hand ry. equipment, 2101 Oliver, Pittsburgh, Pa.
Richardson Co., lumber, 320 Marken, San Francisco, Cal.
Richardson, Dana & Co., lumber, Portland, Me.
Richardson Drug Co., glass, Omaha, Neb.
Richardson & Dutt, sash, door & blind mfrs., 789 3d av, New York.
Richardson, E., Co., lumber mfrs., Saginaw, Mich.
Richardson, Edro, Brass Co., mchsts. & fndrs., 318 N. Holliday, Baltimore, Md.

Richardson Engng. & Mfg. Co., auto. charging sets, Hartford, Conn.
Richardson, Eric H., art tile & fireplace dampers, 724 Market, San Francisco, Cal.
Richardson, E. W., & Co., 2029 Frankford, Phila., Pa.
Richardson, Ernest F., contractor, Dunkirk, N. Y.
Richardson, F. W., masons' & bldrs.' matls., Owego, N. Y.
Richardson, G. W., masons' & bldrs.' matls., Clarinda, Ia.
Richardson, Geo. O., Machy. Co., St. Joseph, Mo.
Richardson, Geo. W., slide rules, 4212 W. 24th pl, Chicago, Ill.
Richardson, H. constr., Coshocton, Ohio.
Richardson, J. B., & Son, lumber mfrs., North Vernon, Ind.
Richardson, J. D., & Son, flour mills, White Mills, Ky.
Richardson, J. Edward, architect, Dover, N. H.
Richardson, J. H., mill & facty. supp., Bridgeport, Conn.
Richardson, Jason F., Jr., architect, Ottawa, Ill.
Richardson, Jno., machinist, Corning, Ohio.
Richardson, Jos. B., & Sons, masons' & bldrs.' matls., Trenton, N. J.
Richardson-Lee & Co., mill & facty. supplies, wholsale hardware, Vicksburg, Miss.
Richardson Lubricating Co., Quincy, Ill.
Richardson Lumber Co., Alpena, Mich., & Florence, Ala.
Richardson Mfg. Co., pie plates, Bath, N. Y.
Richardson Mfg. Co., anvil & vise combined, Worcester, Mass.
Richardson, P. B., masons' & bldrs.' matls., Trenton, N. J.
Richardson Paper Co., Wyoming & Cooper Avs., Lockland, Ohio.
Richardson, Paul D., architect, Henry bldg, Seattle, Wash.
Richardson-Phenix Co., lubricating apparatus, 131 2d, Milwaukee, Wis.
Richardson Piano Case Co., Leominster, Mass.
Richardson, R. D., Constr. Co., Scranton, Pa.
Richardson, R. E., & Co., lumber, West Point, Va.
Richardson, R. R., & Co., contractors, Norfolk, Va.
Richardson, R V., contr., Hampton, Va.
Richardson Research Laboratory, metallurgists, Sloan Bldg., Cleveland, Ohio.
Richardson & Robbins Co., canned goods, Dover, Del.
Richardson & Ross Quarry Co., granite & stone producers, Penna. Bldg., Philadelphia, Pa.
Richardson Sand Co., 6647 Ridge av, Chicago, Ill.
Richardson Scale Co., Passaic, N. J.
Richardson Silk Co., thread, 309 W. Adams, Chicago, Ill.
Richardson, T. P., canned goods, Boone Mill, Va.
Richardson, W. H., lumber mfrs., St. Louis, Mo.
Richardson, W. H., & Co., whosale hardware, Austin, Tex.
Richardson, W. P., & Co., contractors, Jacksonville, Fla.
Richardson, W. R., & Sons, canned goods, Troutville, Va.
Richardson, W. T., & Co., canned goods, Rising Sun, Md.
Richardson & Walker, lbr., Robe, Wash.
Richardson, Wm. Symmes, architect, 101 Park av, New York.
Richardson, Wright & Co., bedstead mfrs. & hopsital furniture, 65 Beverly, Boston, Mass.
Richardson & Gray, consulting engnrs., 220 Devonshire, Boston, Mass.
Riche, M. L., & Co., contractors, Seattle, Wash.
Richenecker, Chas., G., carriages, Watervliet, N. Y.
Riches, Piver & Co., oxide of iron, 30 Church, New York.
Richeson, Nelson & Moore, brick, Greenville, Ohio.
Richey, Browne & Donald, architectural & ornamental iron works, Flushing av, Maspeth, N. Y.
Richey, Halstead & Quick, lbr., 702 Traction Bldg., Cincinnati, O.
Richey, T. R., Lbr. Mills, Atlanta, Tex.
Richfield Oil Co., petroleum, Los Angeles, Cal.
Richholt Bros., brick, Holgate, Ohio.
Richie, Crawford Co., belting mfrs., 414 N. 3d, Phila., Pa.
Richie, Wm. H., landscape architect, 41 S. 15th, Phila., Pa.
Richland Cotton Oil Co., Richland, Ga.
Richland Handle Co., Butler, Ohio.
Richland Home Mixture Guano Co., Richland, Ga.
Richland Parish Lbr. Co., Rayville, La.
Richlands Brick Co., Richlands, Va.
Richmond, Andrew, & Son, contrs., 541 Wood, Pittsburgh, Pa.
Richmond & Backus Co., loose leaf devices, 111 Woodward av, Detroit, Mich.
Richmond Brick Co., 50 Church, New York.
Richmond Broom Co., broom mfrs., Richmond, Va.
Richmond Bros., paint mfrs., 616 Main, Cincinnati, Ohio.
Richmond Bros. Co., metal nov. & spec., 177 Chestnut, Newark, N. J.
Richmond Carriage Works, Richmond, Ky.
Richmond Casket Co., Richmond, Ind.
Richmond Cedar Works, candy & foundry pails, lumber mfrs., woodenware & novelties mfrs., Fulton, Richmond, Va.
Richmond Cotton Oil Co., Memphis, Tenn.
Richmond & Daniels, Inc., contrs., 90 West, New York.
Richmond-Dewey Co., masons' & bldrs.' matls., Pontiac, Mich.
Richmond, F. C., Machinery Co., Salt Lake City, Utah.
Richmond Forgings Corp., Richmond, Va.
Richmond Foundry & Mfg. Co., ıdry., Hermitage rd, Richmond, Va.
Richmond, Fredericksburg & Potomac RR., Richmond, Va.
Richmond, Geo. H., brick, Rock Island, Ill.
Richmond Guano Co., fertilizer mfrs., Richmond, Va.
Richmond Hardware Co., 101 S. 14th, Richmond, Va.
Richmond Hill Foundry Co., grey iron castings, Richmond Hill, N. Y. *See adv. inder at end of book*
Richmond & Holmes, tubular boilers, St. John, Mich.
Richmond Iron Works, blast furnaces, Richmond Furnace, Mas
Richmond & Kemp, archl. iron, 21st & Washington, Phila., Pa.
Richmond, Knight C., mill engr., 10 Weybosset, Providence, R.
Richmond Leather Mfg. Co., belting mfrs., Richmond, Va.
Richmond Lumber Co., Richmond, Ky., & Vt.
Richmond Malleable Castings Co., Richmond, Ind.
Richmond Metal Products Co., Inc., drilling machines, 5th Arch, Richmond, Va.
Richmond Mfg. Co., mchsts. & fndrs., Lockport, N. Y.
Richmond Mica Co., Richmond, Va.
Richmond Paper Co., Richmond, Va.
Richmond Pressed Metal Works, Inc., trunk hardware mfrs Stockton & 6th, Richmond, Va.
Richmond Printing Ink Co., 16 N. 4th, Richmond, Va.
Richmond Radiator Co., mchsts. & fndrs., 1480 B'way, New York
Richmond, Robt. P., paper & pulp mills, Valatie, N. Y.
Richmond Roller Mills, flour, Richmond, Ind.
Richmond Safety Gate Co., Richmond, Ind.
Richmond School Furniture Co., Muncie, Ind.
Richmond Screw Anchor Co., expansion bolts, Pulitzer Bldg New York.
Richmond Slate Co., Richmond, Va.
Richmond Standard Mfg. Co., air compressors, gas engines patterns, Richmond, Ind.
Richmond Stove Co., stove mfrs., 2506 E. Main, Richmond, Va
Richmond Structural Steel Co., 18th & Dock, Richmond, Va.
Richmond Water Softener Co., Richmond, Ind.
Richmond Woodworking Co., coffins, caskets, etc., Richmond, Va
Richter, A. A., architect, 6th & Court, Reading, Pa.
Richter, A. G., arch'l iron, 316 av A, New York.
Richter Brass Co., mchsts. & fndrs., 210 E. 9th, Cincinnati, Ohi
Richter, C. G., & Co., ladders, Spokane, Wash.
Richter, Chas. A., contractor, Bay City, Mich.
Richter, Chas. H., architect, 68 Broad, New York.
Richter & Co., mchsts. & fndrs., 210 E. 9th, Cincinnati, Ohio.
Richter, Gustav F., surgical & dental insts., 855 De Kalb av Brooklyn, N. Y.
Richter, H. F., Mach. Works, Los Angeles, Cal.
Richter, Joseph, & Son, contrs., 863 Glenwood av, Buffalo, N. Y
Richter, Julius, lumber, Chesaw, Wash.
Richter, Louis, sweaters, cardigans, etc., 617 S. 4th, Phila., Pa.
Richter Mfg. Co., buckram, burlap, book cloth, Tenafly, N. J.
Richter, Otto F., cornices & skylights, Holyoke, Mass.
Richter, R. E., & Son, contractors, San Antonio, Tex.
Richter, Wm., architect, 367 Fulton, Brooklyn, N. Y.
Richton Lbr. Co., Richton, Miss.
Richwood Clay Co., Richwood, Ohio.
Rickard, G. W., fertilizer mfr., Medina, Ohio.
Rickard, Ira D., machst. & fndr., Cobleskill, N. Y.
Rickard & Sloan, advtg. counsellors, 20 Vesey, New York.
Ricker, E., & Son Co., stone, Cambridge, Mass.
Ricker, L. H., brick, Chilton, Wis.
Ricker Mfg. Co., manhole junction boxes, hay carriers, etc., 239 N. Water, Rochester, N. Y.
Ricker, T. H., & Sons Co., machsts. & fndrs., Harrison, Me.
Rickersberg Brass Co., machsts. & fndrs., Perkins & E. 37th, Cleveland, Ohio.
Rickerson & Co., masons' & bldrs.' matls., Troy, N. Y.
Rickert, M. H., cornices, 2635 W. Madison, Chicago, Ill.
Rickert-Shafer Co., die heads & tapping machines, Erie, Pa.
Rickert's Rice Mills, 210 Girod, New Orleans, La.
Ricket, C. W., architect, Bremen, Ohio.
Ricketson Mineral Paint Wks., S. Bay, Milwaukee, Wis.
Ricketson & Schwarz, masons' & bldrs.' matls., 432 B'way, Milwaukee, Wis.
Ricketts, B. W., wholesale hardware, Coshocton, Ohio.
Ricketts & Bartlett Range Co., 319 W. Randolph, Chicago, Ill.
Ricketts & Co., Inc., chemical engrs., 280 Madison av, New York.
Rickless, A., & Co., buffing wheels, Chelsea, Mass.
Rickman Contraction Co., Kalamazoo, Mich.
Rickrise, Thos. S., architect, 105 Audubon av, New York.
Ricks Bros., lumber & canned goods, Reynolds, Ga.
Riddell Bros., machinists & founders, Atlanta, Ga.
Riddiford Bros., fdry. brushes, 30 S. Wells, Chicago, Ill.
Riddle Coach & Hearse Co., carriages, Ravenna, Ohio.
Riddle Co., sash, door & blind, plate & window glass mfrs., Nashville, Tenn.
Riddle, Edward N., Co., electric & gas light fixture mfrs., Toledo, Ohio
Riddle, F. C., & Bro., Casket Co., 1400 Hogan, St. Louis, Mo.
Riddle, Frank D., machinist & founder, Caro, Mich.
Riddle-Rehbein Mfg. Co., sash, door & blind mfrs., 13th & O'Fallon, St. Louis, Mo.
Riddle & Riddle, architects, 122 S. Michigan av, Chicago, Ill. & 475 5th av, New York
Riddle & Shields, contractors, Bellingham, Wash.
Ridenbaugh, W. H., masons' & bldrs.' matls., Boise, Idaho.
Rider, A. J., contrs.' tents, Syracuse, N. Y.
Rider-Bagg Co. See Brightwood Brass Fdry. (successor).
Rider-Ericsson Engine Co., machsts. & fndrs., 20 Murray, New York.
Rider Packing Co., canned goods, Crothersville, Ind.
Rider, P. L., mill & facty. supplies, Worcester, Mass.
Rider, Wm. E., & Co., grate bar mfrs., Mansfield, Mass.
Rider, Wm. W., brick, Athens, N. Y.
Ridersville Canning Co., Ridersville, W. Va.
Ridge Bros. Co., contractors, 407 4th av, Pittsburgh, Pa.

al Mining Co., 37 W. Van Buren, Chicago, Ill.
ring Oil Mill, meal, Ridge Spring, S. C.
Trimmer Co., knives, tools, etc., Springfield, Ohio.
Bros., contractors, 733 Jackson, New Orleans, La.
ood Co., 20 Yeoman, Boston, Mass.
w Sand Co., Oil City, Pa.
e Tile & Brick Co., Ridgeville, Ind.
Brick Co., Ridgeway, Pa.
y, Jas. B., file & rasp mfrs., Gorham, Me.
y, Wilbur J., masons' & bldrs.' matls., Roselle Park,

od Iron Wks., architect'l & ornamental iron, 1604 De
av, Brooklyn, N. Y.
B., & Son, stone producers, Meshoppen & N. 9th &
mbia av, Philadelphia, Pa.
Craig, & Son Co., elevator mfrs., Coatesville, Pa.
Dynamo & Engine Co., Ridgway, Pa.
Furnace Co., 80 Beverly, Boston, Mass.
Mach. Co., Ridgway, Pa.
Mfg. Co., mill & facty. supplies, Ridgway, Pa.
Sand & Stone Co., Ridgway, Pa.
a, A. Blair, architect, 5922 Cates av, St. Louis, Mo.
eo. B., & Sons, cornices & skylights, Brunswick, Me.
Frank, Co., dlrs. & reprs. electrical apparatus, 251 A,
on, Mass.
Refrigerator Co., 3519 N. Lawrence, Philadelphia, Pa.
ll Bearing Co., Inc., imptrs. of ball bearings, 1790
dway, New York.
een Soap Co., Seattle, Wash.
erman, Co., contractors, Lansford, Pa.
k, William B., architect, Atlantic City, N. J.
., & Co., children's carriages, 16 N. 4th, Phila., Pa.
aboratories, 667 Howard, San Francisco, Cal.
Wolter, & Co., ship builders, Sturgeon Bay, Wis.
n-Crosby Co., mill & facty. supplies, Memphis, Tenn.
eet Metal Co., cornices, Monument & Taylor, Dayton,

Sons Mfg. Co., brass founders, New Brighton, Pa.
rcher C., enameled & magnet wire, 44 E. Allen, Phila-
hia, Pa.
ck Co., bags, bagging & burlap impr., 8 W. 40th, New

has. J., architect, Germania Bk. Bldg., Pittsburgh, Pa.
, & Son, machinists, 1130 Orianna, Philadelphia, Pa.
ros. Testing Machine Co., 1424 N. 9th, Phila., Pa.
nitting Mills, sweaters, etc., Adams & Unity, Frank-
Philadelphia, Pa.
. F., lbr., Hyams, La.
. M., & Bros., canned goods, Blue Ridge Springs, Va.
ros., contractors, 348 Arcade, Cleveland, Ohio.
A. H., Shoe Co., 431 29th, Milwaukee, Wis.
Otto, contractor, 63 French, Buffalo, N. Y.
oelzel, traveling bags, 1020 Race, Philadelphia, Pa.
Louis A., htg. contr., 650 3rd, Milwaukee, Wis.
Sanborn, contrs., Sioux City, Iowa
ron Works, steel, structural, 1201 Metropolitan, Pitts-
h, Pa.
Arthur W., contractor, University Bldg., Milwaukee,

n Mfg. Co. (Ltd.), oils, paints, varnishes, etc., Frank-
Pa.
Paul, Sons, contractors, 1018 Humboldt av, Milwaukee,

lon J., architect, 101 Park av, New York
Bernard A., machst. & fndr., Houston, Tex.
hn, contr., New Orleans, La.
ht & Fixture Co., 415 Main, Cincinnati, Ohio.
T., bronze powder, Gold & Ann, New York.
Rubach, architects, Murphy bldg, East St. Louis, Ill.
Thesmacher Co., cornices, 1512 W. 25th, Cleveland, O.
Land & Lbr. Co., 700 Cedar, Milwaukee, Wis.
V. & J., Co., brick & tile, Good Hope, Ohio.
ne Co., hydraulic rams, 90 West, New York
vid T., contractor, Keenan Bldg., Pittsburgh, Pa.
n, heating contractor, 545 W. Lake, Chicago, Ill.
, mill & facty. supplies, Paterson, N. J.
mes, & Son, flour mills, Cambria, Va.
istr. Co., 507 5th ava, New York.
G., architect, Peyton Bldg., Spokane, Wash.
., & Bro., canned goods, Crisfield, Md.
Emmett, contr., Fresno, Cal.
Bro., binnacles, chronometers, instruments, etc., 310
et, Philadelphia, Pa.
ress Co., Ltd., Patterson, La.
stler & Stringer, heating contractors, 25 Light, Balti-
, Md.
o. H., stone, Newport, R. I.
S., architect, Hutchinson, Kan.
an T., architect, 105 W. 40th, New York.
ical Co., Omaha, Neb.
P., architect, Phelan Bldg., San Francisco, Cal.
Geo. W., machinist, Radnor, Pa.
f. C., cornices, Salem, N. J.
& Kolb, decorative architects, 420 Madison av, New

A., Ink Co., Battle Creek, Mich.
Vm., Egg Tester & Mfg. Co., Hamilton, Ohio.

Riker, C. M., Coal Co., Paducah, Ky.
Riker, J. L. & D. S., caustic soda, potash, etc., 19 Cedar, New York.
Rikerd Lumber Co., hardwood doors, Lansing, Mich.
Riley, Benj. F., mill & facty. supplies, Chester, Pa.
Riley Bros., auto. windshields, Bridgeton, N. J.
Riley, C. E., Co., tex. machy., supplies, etc., 161 Devonshire, Boston, Mass.
Riley, Frank M., architect, Madison, Wis.
Riley & French, silver novelties, North Attleboro, Mass.
Riley, Howard H., architect, Boston blk, Seattle, Wash.
Riley, J. M., bldg. contractor, Cambridge, Mass.
Riley, John F., machst. & fndr., Charleston, S. C.
Riley, John J., Co., machsts. & fndrs., Van Brunt, Bklyn, N. Y.
Riley-Klotz Mfg. Co., machsts. & fndrs., 17 Mulberry, Newark, N. J.
Riley, Michael A., architect, Lennox bldg, Cleveland, Ohio
Riley Packing Co., canned goods, Farmington, Del.
Riley, Sanford, Stoker Co., Worcester, Mass.
Riley, W. H., architect, El Reno, Okla.
Riley, Wm., & Co., carriage robes, steamer rugs, etc., 238 Chestnut, Philadelphia, Pa.
Riley, Wm. F., Const. Co., contrs., Victoria Bldg., St. Louis, Mo.
Riley, Wm. H., & Son, harness, Bryan, Ohio.
Riley's Dry Dock Co., ft. Mechanic, Buffalo, N. Y.
Rilling, J. E., & Co., furniture for public bldgs, 107 34th, Milwaukee, Wis.
Rimer & Byers, contractors, 1210 Harrison, Philadelphia, Pa.
Rimmer, A. C., naval architect, 149 B'way, New York
Rimmon Eyelet Co., Seymour, Conn.
Rinaker, Jno. I., architect, Ridgely Bank Bldg., Springfield, Ill.
Rinald Bros., enamels, paints, etc., 1142 N. Hancock, Phila., Pa.
Rinaldi Tile Co., floor mosaics, 263 Atlantic av, Boston, Mass.
Rinck, Chas., & Bro., oven bldrs., 826 Oliver, Cincinnati, Ohio.
Rinck, Jno. G., oven bldr., Williams & Colerain, Cincinnati, Ohio.
Rincon Foundry Co., 351 7th, San Francisco, Cal.
Rinderman, Henry V., architect, 1031 Co. blvd., New York.
Rinehart Bros., contractors, East Liverpool, Ohio.
Rinehart, Daniel, whol. hdwe., Waynesboro, Pa.
Rinehimer Bros. Mfg. Co., lumber, Elgin, Ill.
Rinek Cordage Co., Easton, Pa.
Rineyville Roller Mills Co., flour, Rineyville, Ky.
Ring, C. G., architect, 280 W. Broad, Elizabeth, N. J.
Ring, Edward D., contractor, Montclair, N. J.
Ring, F. G., architect, 280 N. Broad, Elizabeth, N. J.
Ring & Konneke, arch'l iron, 525 W. 24th, New York.
Ringen Stove Co., 827 Chouteau av, St. Louis, Mo.
Ringer, C. F., & Son, architects, 499 Newton av, Milwaukee, Wis.
Ringer, J. G., architect, 1168 Princeton av, Birmingham, Ala.
Ringle Brick Co., Wausau, Wis.
Ringle, Jacob, & Son, cornices, 472 Grand av, Jersey City, N. J.
Ringle Roofing & Plumbing Co., 472 Grand av, Jersey City, N. J.
Ringle & Schill, lbr., Edgar, Wis.
Ringler, F. A., Co., embossing dies, 207 W. 25th, New York.
Ringrose, R., & Son, contractors, 320 Market, San Francisco, Cal.
Ringwait Linoleum Wks., New Brunswick, N. J.
Ringwald, F. A., sash, door & blind mfrs., 39 S. La Salle, Chicago, Ill.
Ringwald, W. H., & Son, heating contrs., Chillicothe, Ohio.
Rinie, Geo. M., Hdwe. Co., 2101 Gravois av, St. Louis, Mo.
Rink & Schnell, contractors, Clinton, Ia.
Rinkleff, Geo. M., mill & facty. supplies, Sandusky, Ohio.
Rinn, Philip, Co., sash, door & blind mfrs., Division & Crosby, Chicago, Ill.
Rinshed-Gagnier Paint Co., 60 Congress E., Detroit, Mich.
Rio Grande Hardware & Machinery Co., Mercedes, Tex.
Rio Grande Packing Co., canned goods, 120 Spruce, Phila., Pa.
Riordan Brass Fdry., Worcester, Mass.
Riordan, G. C., & Co., glass stainers, etc., 313 Walnut, Cincinnati, Ohio.
Riordan Leather Co., 252 South, Newark, N. J.
Riordan, T. G., Mfg. Co., razor strops, 3943 Lincoln av, Chicago, Ill.
Ripley & Bartlett, tacks, nails, Plymouth, Mass.
Ripley Brick Co., Ripley, Ohio.
Ripley, C. S., fndr., So. Union, Me.
Ripley & Co., glass tumblers, 123 7th, Pittsburgh, Pa.
Ripley, D., & Sons, lbr. packing box mfrs., 77 Commercial, Newark, N. J.
Ripley, David, contractor, New Brighton, N. Y.
Ripley Fdry. & Machine Co., Ripley, Ohio.
Ripley Lumber Co., Poultney, Vt.
Ripon Canning Co., Ripon, Wis.
Ripon Knitting Works, lumbermen's socks, Ripon, Wis.
Ripon Veneer & Box Works, sash, door & blind, Ripon, Wis.
Rippel, Henry S., contr., 1929 W. Baltimore av, Baltimore, Md.
Rippl Mfg. Co., advtg. spec., W. Lafayette, Ohio.
Ripple, S. A., & Bros., broom mfrs., 1208 Ridgely, Baltimore, Md.
Rippley Mfg. & Steel Boat Co., camp stoves, Grafton, Ill.
Ripson, Wm., & Son, agricultural implements, Youngstown, N. Y.
Ripton, M. H., contractor, Rochester, N. Y.
Ripy, J. W., & Son, sash, door & blind mfrs., Ft. Worth, Tex.
Risbridger Fillet Co., 5415 St. Clair av, Cleveland, Ohio.
Rischard, John, masons' & bldrs.' matls., Wahpeton, N. D.
Rische, Chas. H., architect, 2227 Grand av, Milwaukee, Wis.
Risdon Tool & Machine Co., machsts. & fndrs., Naugatuck, Conn.

Riser & Moulding Co., iron stair bldrs., Thomas & Stewart av, Brooklyn, N. Y.
Rish, W. H., heating contr., North Yakima, Wash.
Rishel, J. K., Furn. Co., asbestos table mats, Williamsport, Pa.
Rishell Phonograph Co., Williamsport, Pa.
Rising, B. D., Paper Co., Housatonic, Mass.
Rising & Nelson Slate Co., roofing slate, West Pawlet, Vt.
Rising & Thorne, mill & facty. supplies—wholesale hdwe., 475 Broad, Newark, N. J.
Risinger Bros. Co., lamaps, East Liverpool, Ohio.
Risinger, Thos. S., mill & facty. supplies, masons' & bldrs.' matls., Carlisle, Ind.
Risinger, W. A., architect, Elwood, Ind.
Risley, C. V., lumber, Phila. Bourse, Philadelphia, Pa.
Risser, A., & Co., masons' & bldrs.' matls., Paris, Ill.
Risley, G. E., elec. contr., Stamford, Conn.
Risser, D. R., masons' & bldrs.' matls., Vaughnsville, Ohio.
Rissman, Maurice B., architect, 139 N. Clark, Chicago, Ill.
Rissmann, Paul A., architect, Elyria, O., & Lorain, Ohio.
Ristan, G. W., & Co., advtg. novelties, Kaukauna, Wis.
Ritch, Justus B., contr., Greenwood, Conn.
Ritchie, E. S., & Sons, nautical & wireless instruments, etc., Brookline, Mass.
Ritchie, F. R., & Co., contrs., Chronicle Bldg., San Fran., Cal.
Ritchie, G., & Sons, machsts., Battle Creek, Mich.
Ritchie, Geo. B., & Co., cattle, goat & horse hair, 57 Ferry, New York.
Ritchie, Jas. H., architect, 8 Beacon, Boston, Mass.
Ritchie, John C., contractor, Wilkes-Barre, Pa.
Ritchie, W. C., & Co., paper cans, 400 S. Green, Chicago, Ill.
Ritchie-Wertz Co., contrs., Wistaria av, Dayton, Ohio.
Ritchie, Wm., Co., contractors, 115 Bishop, New Haven, Conn.
Rite-Lite Shaving Glass Co., shaving mirrors, Syracuse, N. Y.
Riter Bros. & Co., ventilator mfrs., 1022 Race, Philadelphia, Pa.
Riter-Conley Co., steel construction, Oliver bldg, Pittsburgh, Pa.
Ritger Excelsior Pottery Co., 495 N. 5th, Newark, N. J.
Rittenhouse, A. E., Co., comealongs or wire pullers, conduit benders, stretchers, etc., Honeoye Falls, N. Y.
Rittenhouse Bros., columns, Cadiz, Ohio.
Rittenhouse, C. C., architect, Wilcox Bldg., Los Angeles, Cal.
Rittenhouse & Embree Co., lumber mfrs., 3500 S. Racine av, Chicago, Ill.
Rittenhouse, Frank, machst., Norristown, Pa.
Ritenhouse, J. F., agricultural implmts, Liberty Mills, Ind.
Rittenhouse, John C., ties, poles & posts, Cheboygana, Mich.
Rittenhouse, Wm. H., machst., Norristown, Pa.
Ritter, C. L., Lbr. Co., Huntington, W. Va.
Ritter Dental Mfg. Co., dental equipment, Rochester, N. Y.
Ritter, H. W., Co., architects, Clarksville, Tenn.
Ritter, J. F., machinist, Abbeville, Ala.
Ritter, Leonard, masons' & bldrs.' matls., Saint Marys, Pa.
Ritter Mach. Co., 19th & Glenwood, Philadelphia, Pa.
Ritter Mfg. Co., metal signs, litho., 1517 N. Hutchinson, Philadelphia, Pa.
Ritter, P., lumber, Belleville, Ohio.
Ritter, P. J., Conserve Co., 2156 E. Dauphin, Philadelphia, Pa.
Ritter, Richard H., machst. & fndr., Sedalia, Mo.
Ritter, V. T., architect, 517 N. American Bldg., Philadelphia, Pa.
Ritter, W. M., Lbr. Co., 115 E. Rich, Columbus, Ohio.
Ritter & Shay, architects, North Amer. bldg, Phila., Pa.
Ritterbush, S. G., architect, Camden, Me.
Rittler Box Co., shooks, 621 S. Caroline, Baltimore, Md.
Rittman Tile & Clay Co., Rittman, Ohio.
Ritty, A. E., Canning Co., Dayton, Ohio.
Ritzenhaller, John, iron holders, polishing clothes, etc., 73 Franklin, New York
Ritzville Advtg. Co., spec., Ritzville, Wash.
Ritzville Flouring Mills, Ritzville, Wash.
Ritzwoller, M. H., Co., cooperage stock, 4800 S. Hoyne, Chicago, Ill.
Ritz-Woller, Oliver Co., fuel level indicators, 166 W. Lake, Chicago, Ill.
R-I-V Co., ball bearings, 1765 B'way, New York.
Rivenes, Brynjulf, architect, Miles City, Mont.
River & Harbor Improvement Co., contrs., Mariner & Merchant Bldg., Philadelphia, Pa.
River Raisin Paper Co., Monroe, Mich.
River Sand Co., Niagara Falls, N. Y.
Riverdale Cotton Mills, West Point, Ga.
Riverhead Agricultural Wks., Riverhead, N. Y.
Riverside Acid Works, Warren, Pa.
Riverside Boiler Wks., Cambridge, Mass.
Riverside Brass Wks., Richmond, Ind.
Riverside Brick Co., Charlotte, N. C.
Riverside Brick & Mfg. Co., Hattiesburg, Miss.
Riverside Bridge Co., steel structural wk., 3d & Walnut, Wheeling, W. Va.
Riverside Canning Co., Hamburg, Ia.
Riverside Carriage Co., Warren, Ohio.
Riverside Contracting Co., 39 Cortlandt, New York.
Riverside & Dan River Cotton Mills, cotton sheetings, Danville, Va.
Riverside Fibre & Paper Co., Appleton, Wis.
Riverside Fdry., Great Falls, Mont.
Riverside Fdry. Co., Wrightsville, Pa.
Riverside Fdry. & Galvanizing Co., Kalamazoo, Mich.



Riverside Fuel & Supply Co., masons' & bldrs.' matls., Fren Ohio.
Riverside Iron Wks., machsts. & fndrs., 106th & Buffalo, cago, Ill., and Charleston, S. C.
Riverside Lime & Stone Co., Lyons, Ill.
Riverside Lumber Co., Knoxville, Tenn.
Riverside Mach. Wks., Kokomo, Ind.
Riverside Machine Co., mach. pipe bending, Chester, Pa.
Riverside Machy. Depot, 17-29 St. Aubin av., Detroit, Mich
Riverside Mfg. Co., mattresses, Moultrie, Ga.
Riverside Mfg. Co., orchard heaters, Riverside, Cal.
Riverside Mfg. Co., fndrs., 162 Riverside av, Newark, N. J.
Riverside Metal Co., fndrs., Riverside, N. J.
Riverside Metal Refining Co., babbitt metal, Connellsville, P
Riverside Mill Co., flour, Reno, Nev., & Shelbyville, Tenn.
Riverside Mills, bags & bagging, Augusta, Ga.
Riverside Mills, flour, Nashville, Tenn.
Riverside Oil Co., gasoline refiners, Benedun Tress Bldg., P burgh, Pa.
Riverside Paper Mfg. Co., Glastonbury, Conn.
Riverside Portland Cement Co., Mills Bldg., San Francisco,
Riverside Printing Co., advtg. nov. & spec., Port Huron, M
Riverside Pulp Co., Skowhegan, Me.
Riverside Scrap Iron & Metal Co., 530 E. Atwater, Detroit, M
Riverside Steel Casting Co., Kearny, N. J.
Riverton Canning Co., Riverton, Utah.
Riverton Co., paper & pulp mill, Riverton, Conn.
Riverton Lime Co., Riverton, Va.
Riverview Canning Co., Streator, Ill.
Riverview Coated Paper Co., Kalamazoo, Mich.
Riverview Iron Wks., Bordentown, N. J.
Rivetless Chain & Engng. Co., Avon, Pa.
Rivet Cutting Gun Co., pneumatic rivet cutters, 116 E. Cincinnati, Ohio.
Rivett Lathe & Grinder Co., 2 Brooks-Brighton, Boston, M
Rivitz, Chas., & Co., plbrs. supplies, 108 High av, Clevelan
Rivitz, H. S., & Co., plumbers' supplies, 2112 Ontario, Cleve
Rix Compressed Air & Drill Co., 505 Howard, San Fran.,
Rixford, Loring P., architect, Sharon Bldg., San Francisco,
Rixse, F. D., architects, Walters Bldg., Wichita, Kans.
Rixson, Oscar C., Co., adjusters, door check mfrs., etc., 50 Jefferson, Chicago, Ill.
Rizzi Bros., granite, Barre, Vt.
Rizzi, L. G., granite, Barre, Vt.
Rjodstrup, Howard, contr., Mitchell, S. Dak.
Roach, Harry F., architect, Syndicate Bldg., St. Louis, Mo.
Roach, J. H. & Co., fdry. molding machs., Bridgeport, Con
Roach, Jos. A., & Co., printing inks, 622 S. Dearborn, Chic Ill.
Roach, Joseph S., archt., 40 Middlesex, Lowell, Mass.
Roach, M. J., & Co., contrs., No. Mem. Sav. Bk. Bldg., Mem Tenn.
Roach & Musser Co., sash, door & blind, Muscatine, Ia.
Roach & Stansell, contrs., No. Mem. Sav. Bk. Bldg., Mem Tenn.
Roach, W. R., & Co., canned goods, Hart, Mich.
Roach, Wm., masons' & bldrs.' matls., Rockville, Ind.
Road Builders Equipment Co., 354 Belmont st, Portland, O
Road Sup. & Metal Co., Topeka, Kans.
Roadmaker, trade publication, 53 W. Jackson blvd, Chicago,
Roane Iron Co., blast furnaces, Chattanooga, Tenn.
Roanoke Coal & Coke Co., Worth, W. Va.
Roanoke Drain Tile Co., Roanoke, Ind.
Roanoke Guano Co., fertilizer mfrs., Roanoke, Ala.
Roanoke Hdwe. Co., Roanoke, Va.
Roanoke Iron & Bridge Works, machsts. & fndrs., Roanoke,
Roanoke Iron Wks., Inc., machst., steel castings, iron pull shaftings, mill & facty. supplies, Roanoke, Va.
Roanoke Mills Co., cotton towels, Roanoke Rapids, N. C.
Roanoke Oil Co., Roanoke, Ala.
Roanoke R. R., & Lumber Co., Norfolk, Va.
Roaring Spring Blankbook Co., pads, Roaring Springs, Pa.
Roat, A. J., Supply Co., masons' & bldrs.' matls., mill & fa supplies, wholesale hdwe., Kingston, Pa.
Roat, Oakley, contractor, Kankakee, Ill.
Roath Mfg. Co., vapor heating spec., Cherry & Canal, Ak Ohio.
Roath, R. J., architect, Mohawk Bldg., Portland, Ore.
Robacher's Disinfectant Co., Rochester, N. Y.
Robb & Blackmer, junction boxes, lamp guards, etc., 129 P Boston, Mass.
Robb, C. L., Mfg. Co., shoe blacking, Bellefontaine, Ohio.
Robb, J. W., architect, 1114 S. Boston, Tulsa, Okla.
Robb, John A., architect, 16 State, Rochester, N. Y.
Robbins, A. P., & Son, contractors, 58 Front, Worcester, M
Robbins, A., Varnish Co., 1537 N. 8th, St. Louis, Mo.
Robbins, B. A., Lime Co., masons' & bldrs.' matls., Cavendish
Robbins, C. C., architect, Ainsworth Bldg., Portland, Ore.
Robbins Co., advtg. spec., 12 John, New York.
Robbins & Cowles, masons' & bldrs.' matls., whol. hdwe. & & facty. supplies, Brattleboro, Vt.
Robbins, Gamwell & Co., machy. dlrs., Pittsfield, Mass.
Robbins Hardware Co., Selma, Ala.
Robbins, I. R., masons' & bldrs.' matls., Perth Amboy, N.
Robbins, Jno., Mfg. Co., badges & emblems, 58 Kneeland, ton, Mass.

ns Lumber Co., Rhinelander, Wis., & Wilkes-Barre, Vt.
ns & McGowin Co., fertilizer mfrs., Brewton, Ala.
ns Mach. Co., Worcester, Mass.
ns Mfg. Co., weather strips, 1815 N. Central Park av, Chicago, Ill.
ns & Myers Co., dynamos, motors, elec. fans, etc., 1400 Lagonda av, Springfield, Ohio.
ns, W. P., masons' & bldrs'. matls., Benton Harbor, Mich.
ot, A. N., architect, Tulane-Newcomb Bldg., New Orleans, La.
ds Mfg. Co., wall boards, Marion, Ind.
son, Alonzo, & Son, sash, door & blind mfrs., Binghamton, N. Y.
son, Jno. W., & Co., flour mills, Louden, Tenn.
t, J. Breckenridge, Stone Co., stone producers, Grove City, Pa.
te Bros., mattresses, 1342 Long Beach av, Los Angeles, Cal.
ts, B. A., Son & Co., masons' & bldrs.' matls., Chase City, Va.
ts, B. E., & Co., flour, Millsprings, Ky.
ts & Berwis, architects, Wichita Falls, Tex.
ts Brass Mfg. Co., brass fndrs., 1395 W. Fort, Detroit, Mich.
ts Bros., canned goods, 416 E. Lexington, Baltimore, Md.
ts Bros., contrs., Springfield, Ohio.
ts Bros., contractors, 17 N. La Salle, Chicago, Ill.
ts Bros. Flour Mills, Warsaw, N. Y.
ts-Brown Lbr. Co. (Ltd.), Shreveport, La.
ts, C. A., Co., 20-24 Aberdeen, Chicago, Ill.
ts, C. B., Engineering Co., consulting engineers, 19 Milk, Boston, Mass.
ts & Carter, roofing slate, Poultney, Vt.
ts & Co., lumber, 1419 Gravier, New Orleans, La.
ts & Veneer Co., lumber, New Albany, Ind.
ts Cotton Oil Co., Memphis, Tenn.
ts, D. E., street signs, Racine, Wis.
ts, Earl A., architect, 9508 Rainier av, Portland, Ore.
ts, Eben E., architect, 82 W. Washington, Chicago, Ill.
ts, Ellwood, Co., fertilizer mfrs., Drexel Bldg., Phila., Pa.
ts Filter Mfg. Co., 6th & Columbia av, Darby, Phila., Pa.
ts, Frank C., & Co., archl. engineers, Real Estate Trust Bldg., Philadelphia, Pa.
ts, G. D., & Co., machsts. & fndrs., Columbus, Wis.
ts, G. G., Corp., tacks, Whitman, Mass.
ts, G. T., roofing slate mfr., West Pawlet, Vt.
ts, G. W., cornices, Superior, Wis.
ts, Geo. I., & Bros., mill & facty. supplies, 471 4th av, New York.
ts, Geo. J., Co., elect. pumps, Dayton, Ohio.
ts, H. C., Elec. Supply Co., ry. supplies, 11th & Race, Philadelphia, Pa.
ts, H. W., canned goods, Clara, Md.
ts, H. W., & Co., contractors, Utica, N. Y.
ts-Hamilton Co., plumbers' supplies, htg. contrs., etc., 413 S. 4th, Minneapolis, Minn.
ts Hardware Co., Utica, N. Y.
ts, Hugh, architect, 1 Exchange pl, Jersey City, N. J.
ts Instrument Co., pocket meters, 50 Shelby, Detroit, Mich.
ts Iron Wks. Co., Cambridge, Mass.
ts, J. E., & W. P., Hdwe. Co., Valdosta, Ga.
ts, J. F., Construction Co., Denver, Colo.
ts, J. H., Elevator Co., 430 W. B'way, New York.
ts, J. J., contractor, 4 Wall, Worcester, Mass.
ts, J. N., Mfg. Co., wood dishes, Metropolis, Ill.
ts, J. S., & Co., flour mills, Broadford, Va.
ts, Jno. B., & Co., contractors, 3 W. 29th, New York.
ts, John C., contractors, San Diego, Cal.
ts, John D., htg. contr., 854 Selly, St. Paul, Minn.
ts, John, & Son Co., paper & pulp mills, Waltham, Mass.
ts-Kingston Contracting Co., Virginia, Minn.
ts, Lewis, inks, 72 Union, Newark, N. J.
ts Lightning Mixer Co., churns, egg beaters, drink mixers & milk bottle caps, 39 Pearl, Boston, Mass.
ts Lumber Co., Leesville, La.
ts Lbr. Co., Inc., Oxford, La.
ts & Mander Stove Co., heaters & ranges, 11th & Washington av, Philadelphia, Pa.
ts Mfg. Co., bolt & rivet clipper mfrs., 50 Park, Somerville, Mass.
*See adv index at end of book.*
ts Mfg. Co., case hardening, Lockport, N. Y.
ts Mfg. Co., elec. & gas light fixtures, 663 Mission, San Francisco, Cal.
ts Marble Co., Ball Ground, Ga.
ts, Marion I., machsts., Atlanta, Ga.
ts & Meck, pads, Harrisburg, Pa.
ts Motor Co., engines, etc., Sandusky, Ohio.
ts, Nash & Co., Inc., contrs., Flushing, N. Y.
ts Numbering Machine Co., machsts., 706 Jamaica av, Brooklyn, N. Y.
ts & Oake, meat packers, 45th & S. Racine av, Chicago, Ill.
ts, P. & Co, contractors, 37 Sullivan, New York.
ts Portable Oven Co., 853 W. North av, Chicago, Ill.
ts Powder Co., Shenandoah, Pa.
erts, Robt., contractor, Scranton, Pa.
ts, Roy L., machsts., Pawtucket, R. I.

Roberts Safety Water Tube Boiler Co., 39 Cortlandt, New York, & Red Bank, N. J.
Roberts Safety Razor Co., 706 Jamaica av, Brooklyn, N. Y.
Roberts, Sanford & Taylor Co., mill & facty. supplies, whol. hdwe., Sherman, Tex.
Roberts Sash & Door Co., 920 W. 20th, Chicago, Ill.
Roberts & Schaefer Co., contractors, 332 S. Michigan av, Chicago, Ill.
Roberts, Spencer, architect, 10 S. 18th, Phila., Pa.
Roberts Steam Specialty Co., water columns, etc., 5318 St. Clair av, Cleveland, Ohio.
Roberts, T. W., wood tanks, Bradford, Pa.
Roberts, Thos., agricultural implements, Springfield, Ohio.
Roberts Tool Co., dies & punches, Irvington, N. J.
Roberts Tube Wks., 868 Military av, Detroit, Mich.
Roberts, U. N., Co., lumber, Davenport, Ia.
Roberts, W. H., & Co., canned goods, 1011 S. Lakewood av, Baltimore, Md.
Roberts, Weldon Rubber Co., erasers, 18 Oliver, Newark, N. J.
Robertshaw Mfg. Co., plumbers' supplies, thermostats, etc., Youngwood, Pa.
Robertson Art Tile Co., Morrisville, Pa.
Robertson, Arthur R., tack hammers, 144 Oliver, Boston, Mass.
Robertson Bros., paper & pulp mills, Hinsdale, N. H.
Robertson Bros. Mfg. Co., pipe & sheet metal, 5401 S. Western av, Chicago, Ill. *See adv. index at end of book*
Robertson, C. M., Co., paper & pulp mill, Montville, Conn.
Robertson Chemical Co., impregnating compound, 9808 Meech av, Cleveland, Ohio.
Robertson & Conry, htg. contrs., 167½ E. 115th, New York.
Robertson, David, architect, 155 N. Clark, Chicago, Ill.
Robertson, E. A., lbr., Petersburg, Va.
Robertson, E. B., machst., South Norwalk, Conn.
Robertson, E. C., & Son, paper & pulp mills, Hinsdale, N. H.
Robertson, E. L., architect, Augusta, Ga.
Robertson Fertilizer Co., Norfolk, Va.
Robertson, G. A., & Co., paper & pulp mills, Hinsdale, N. H.
Robertson, Geo. W., & Co., contractors, Columbus, Ind.
Robertson & Goodrich, cornices, Fayetteville, Tenn.
Robertson Hardware & Steel Co., 30 2nd, Portland, Ore.
Robertson, Harvey, architect, 230 Highland av, Newark, N. J.
Robertson, J., architect, 24 California, San Francisco, Cal.
Robertson, Jas., contr., Madison, S. Dak.
Robertson, J. G., machy. dlrs., 2542 University av, St. Paul, Minn.
Robertson, J. L., Mach. Co., Paris, Ill.
Robertson, J. T., masons' & bldrs.' matls., Woodstock, Ga.
Robertson, J. T., Co., soap, Manchester, Conn.
Robertson, Jas. C., granite, Barre, Vt.
Robertson, Jas. L., & Son, mill & facty. supplies, 78 Murray, New York.
Robertson, James G., & Sons, steam specialties, 78-80 Murray, New York.
Robertson, James, Lead Co., lead pipe mfrs., 827 S. Howard, Baltimore, Md.
Robertson, Jas., Mfg. Co., plumbers' supplies—jobbers, 108 Hopkins pl, Baltimore, Md.
Robertson, Jesse, contractor, Terre Haute, Ind.
Robertson, John, & Co., lead pipe & trap machy., 133 Water, Brooklyn, N. Y.
Robertson, Jno. F., Co., valves, Park Bldg., Pittsburgh, Pa.
Robertson & Larkin, masons' & bldrs.' matls., Hudson, Mass.
Robertson Lumber Co., Minneapolis, Minn.
Robertson Mfg. Co., power saws, 1443 Niagara, Buffalo, N. Y.
Robertson Paint & Varnish Co., 9808 Meech av, Cleveland, Ohio.
Robertson Paper Co., Bellows Falls, Vt.
Robertson, R., & Co., contractors, Amsterdam & 3rd, Detroit, Mich.
Robertson, Strader & Co., lbr., Belero Creek, N. C.
Robertson, T. Markoe, architect, 331 Madison av, New York.
Robertson, Theo. B., Products Co., liquid soap, 700 W. Division, Chicago, Ill.
Robertson, Vanco, Co., soap, 103 Park av, New York.
Robertson, W. F., Steel & Iron Co., steel hoops & box straps, etc., Elm & Commercial, Cincinnati, Ohio.
Robertson, Wayland F., architect, Turks Head bldg, Providence, R. I.
Robertson, Wm., & Co., cinder pit conveyors, 20 W. Jackson blvd., Chicago, Ill.
Robertson, Wm. S., contractor, Saratoga Springs, N. Y.
Robertson, Wm., & Son, contractors, 15 Exchange pl, Jersey City, N. J.
Robertson's, Wm., Sons, paper & pulp mills, Putney, Vt
Robertson, W., Mach. & Fdry. Co., hack saws, 56 Rano, Buffalo, N. Y.
Robeson Cutlery Co., Rochester, N. Y.
Robeson Mfg. Co., fertilizer, Lumberton, N. C.
Robeson Preservo Products Co., waterproofing materials, Port Huron, Mich.
Robeson Process Co., tanning extracts, core compounds., 18 E. 41st, New York.
Robesonia Iron Co. (Ltd.), blast furnaces, Robesonia, Pa.
Robidoux, Jos., & Co., beam scales, 194 Front, New York.
Robie Consolidated Concrete Co., 939 Elm, Manchester, N. H.
Robin-Hirsch Co., showcases, 258 Canal, New York.
Robin, T. W., lumber, Castle Rock, Wash.
Robineau Pottery, Syracuse, N. Y.

Robinia Pin Co., insulator pins, Shippinsburg, Pa.
Robins, A. J., flour mills, Ozan, Ark.
Robins, A. K., & Co., machsts., 116 Market pl, Baltimore, Md.
Robins Bros., granite, Barre, Vt.
Robins, Chas. H., Jr., architect supps. & blue prints, 125 S. 11th, Philadelphia, Pa.
Robins Conveying Belt Co., conveying machy. mfrs., 13 Ann, New York. *See adv. index at end of book.*
Robins Dry Dock & Repair Co., machsts. & fndrs., Beard, Brooklyn, N. Y., & 15 Whitehall, New York.
Robinson, Thomas, mason, South Norwalk, Conn.
Robinson, A. F., Boiler Wks., Cambridge, Mass.
Robinson, A. M., sash, door & blind mfr., Woonsocket, R. I.
Robinson, A. S., canned goods, Fallston, Md.
Robinson, Andrew J., Co., contractors, 123 E. 23rd, New York.
Robinson, Aquilla T., lbr. mfr., Brandywine, Md.
Robinson, Arthur N., architect, Candler Bldg., Atlanta, Ga.
Robinson Automatic Mach. Co., polishing machines, Russell & Milwaukee, Detroit, Mich.
Robinson, B. J., mill & facty. supplies, Vicksburg, Miss.
Robinson Brick Co., Denver, Colo.
Robinson Bros., aqua & anhydrous ammonia, Montrose av, Brooklyn, N. Y.
Robinson Bros. & Co., wholesale hardware, Louisville, Ky.
Robinson, C. E., Co., test indicators, Orange, Mass.
Robinson, C. P., lbr., Chaplin, S. C.
Robinson Cabinet Mfg. Co., folding bath tubs, Toledo Factories Bldg., Toledo, Ohio.
Robinson & Campau, architects, Houseman Blk., Grand Rapids, Mich.
Robinson, Cary & Sands Co., whol. hdwe., 4th & Wasonta, St. Paul, Minn.
Robinson, Chas. A., burlap, 46 Beekman, New York.
Robinson, Chas. M., architect, Times-Dispatch Bldg., Richmond, Va.
Robinson Clay Product Co., brick & pottery ware, Akron, Ohio.
Robinson & Co., crude rubber, 25 Beaver, New York.
Robinson & Co., mfrs. musical instruments, 2123 Stuart, Berkeley, Cal.
Robinson Contracting Co., Wade Bldg., Cleveland, Ohio.
Robinson & Curry Co., masons' & bldrs.' matls., Marysville, O.
Robinson, D., & Sons, scrap iron, 646 Hastings, Detroit, Mich.
Robinson, Dwight P. & Co., contrs. & engrs., 125 E. 46th, New York.
Robinson, Edw., Lbr. Co., Burlington, Vt.
Robinson, F. Delancey, architect, 25th & B'way, New York.
Robinson, F. L., architect, 50 E. 42nd, New York
Robinson, F. S., & Co., contractors, Hammond Bldg., Detroit, Mich.
Robinson, Felix, architect, Vancouver, Wash.
Robinson Fire App. Mfg. Co., 4268 N. 20th, St. Louis, Mo.
Robinson Furnace Co., 205 W. Lake, Chicago, Ill.
Robinson, G. W., & Son, lumber, Tionesta, Pa.
Robinson-Gage Lumber Co., Kenton, Ohio.
Robinson, Gilbert, architect, 546 E. 182nd, New York
Robinson & Gillespie, contractors, 1051 Sutter, San Francisco, Cal.
Robinson, Harry J., contractor, Mount Vernon, N. Y.
Robinson Heavy Hardware Co., St. Joseph, Mo.
Robinson, Henry J., Jr., architect, Rye, N. Y.
Robinson, Henson Co., cornices, Springfield, Ill.
Robinson, J. B., & Son, sashes, doors & blinds, Nevada, Mo.
Robinson, J. C., & Son, general contractors, Rector Bldg., Chicago, Ill.
Robinson, J. L., Co., contractors, 511 S. 7th, Minneapolis, Minn.
Robinson, J. L., Construction Co., 1130 W. Lafayette, Baltimore, Md.
Robinson, J. M., Mfg. Co., sheet metal workers' machines, 3282 Spring Grove av, Cincinnati, Ohio.
Robinson, J. P., & Co., salt mfrs., 507 Madison, New York.
Robinson, J. T., & Son, buttons, 45 E. 17th, New York.
Robinson & James, contractors, Wilkinsburg, Pa.
Robinson, Jas. P., founder, Lowell, Mass.
Robinson & Jans, oakum, tow & packg. flax, Winthrop, Minn.
Robinson, John Beverley, architect, Washington University, St. Louis, Mo.
Robinson, John C., & Son, contractors, 79 W. Monroe, Chicago, Ill.
Robinson, Jno., & Co., lbr. mfrs., Albany, N. Y.
Robinson, John T., Co., paper box machy. mfrs., Hyde Park, Mass.
Robinson & Jones Co., masons' & bldrs.' matls., Natick, Mass.
Robinson, Jos. A., contractor, 87 Madison, Newark, N. J.
Robinson Land & Lumber Co., Mobile, Ala.
Robinson, Leeni W., architect, 42 Church, New Haven, Conn.
Robinson Lumber Co., 717 Whitney, New Orleans, La.
Robinson-McGill Carriage Co., Nashville, Tenn.
Robinson-McGill Hdwe. Co., carriages, Shelbyville, Tenn.
Robinson-McGill Mfg. Co., harness, saddles & strap wk., Shelbyville, Tenn.
Robinson, M. C., & Co., masons' & bldrs.' matls., Ashtabula, Ohio.
Robinson, M. S., Cable Clamp Co., Donora, Pa.
Robinson, M. W., Co., mechanics' tools, 296 B'way, New York.
Robinson Machine Co., 584 Franklin, Detroit, Mich.
Robinson Mfg. Co., clamps, hangers, straps, 8123 Bruner, S. E., Cleveland, Ohio.
Robinson Mfg. Co., flour mill machy., Muncy, Pa.
Robinson Mfg. Co., sash, door & blind & lbr., Everett, Wash.
Robinson Motor Truck Co., 2d av., N. & 7th, Minneapolis, Min
Robinson, N. B., contractor, Carbondale, Pa.
Robinson, N. T., stone producers, Mercer, Pa.
Robinson, O. E., & Son, contractors, 4647 Hamilton av, C cinnati, Ohio.
Robinson Packer Co., oil well, Tulsa, Okla.
Robinson Paint Co., Aurora, Ill.
Robinson Plbg. Supply Co., St. Paul, Minn.
Robinson, Quincy, canned goods, Warrenton, Ore.
Robinson, Roders Co., mattresses & life preservers, 27 N. R. R. av, Newark, N. J.
Robinson & Robinson, contrs., Lowell, Mass.
Robinson, S. H., Co., electric signs, 814 Walnut, Philadelphi Pa.
Robinson, S. M., & Co., canned goods, 607 S. Luzerne av, Bal more, Md.
Robinson, S. R. H., & Son Contr. Co., 716 Belt av, St. Louis, M
Robinson & Smith, carriages, Fall River, Mass.
Robinson & Sons Sewer Pipe Co., Uhrichsville, Ohio.
Robinson Stoneware Co., laundry tubs, 226 Newell, Brookly N. Y.
Robinson Supply Co., mill & facty. supplies, Glen Falls, N. Y.
Robinson, T. K., Co., canned goods, Vicksburg, Miss.
Robinson, T. W., turpentine, Holder, Fla.
Robinson Tag & Label Co., 142 W. 18th, New York.
Robinson, Thos., & Co., masons' & bldrs.' matls., Real Esta Tr. Bldg., Philadelphia, Pa.
Robinson-Toohey Co., mill & facty. supplies, Lawrence, Mass.
**ROBINSON TOOL WORKS, INC.**, filing machines, punchi dies & brass & steel stamping, Waterbury, Conn. *See ad index at end of book.*
Robinson Ventilating Co., mine ventg. fans, Jenkins Arca Bldg., Pittsburgh, Pa.
Robinson, W. A., masons' & bldrs.' matls., Mechanicsville, N.
Robinson, W. A., & Co., lubricating oils & spermaceti, New Be ford, Mass.
Robinson, W. B., lbr., Berlin, N. J.
Robinson, W. D., & Sons, contractors, Jacksonville, Ill.
Robinson, W. E., & Co., canned goods, Bel Air, Md.
Robinson, W. F., brick, Maceo, Ky.
Robinson, W. J., contractor, Mount Vernon, N. Y.
Robinson, Wm. B., & Co., cornices & skylights, Old Orchard, M
Robinson, Wm. C., & Son Co., oils & grease, 32 South, Balt more, Md.
Robinson, Wm. V. Co., polishing machines, Owosso, Mich.
Robinson's, Geo. H., Sons, masons' & bldrs.' matls., Alexandri Va.
Robinsteen Collar & Leather Co., Indiana, Pa.
Robson, Chas., & Co., bakers' oven doors & fittings, 8th & Wash ington av, Philadelphia, Pa.
Robson, C. D., Co., contrs., Leland & Maplewood avs., Chicag Ill.
Robson Mfg. Co., machsts. & fndrs., Galesburg, Ill.
Roby, S. B., Co., whol. hdwe. & mill supplies, Rochester, N. Y.
Roc Bond Co., stucco mfrs., Wren, Ohio.
Roca, Jos. V., Lumber & Hardware Co., 1533 Carondelet Wlk New Orleans, La.
Roccordino, Angela, scrap iron & steel, 1014 Webster av, Pitt burgh, Pa.
Roch, Tobias, archl. iron & machst., Indianapolis, Ind.
Roche-Bruner Bldg. Co., Johnston Bldg., Cincinnati, Ohio.
Roche, John M., contractor, Haverhill, Mass.
Roche, M. J., Construction Co., Johnston Bldg., Cincinnat Ohio.
Rochelle, F. W., & Sons, paper pots, Chester, N. J.
Rocheford, L., & Son, contrs., 44 Front, Worcester, Mass.
Rochester Athenaeum & Mchs. Inst., engng. schools & coll., Roc ester, N. Y.
Rochester Automatic Elevator Door Co., Rochester, N. Y.
Rochester Ball Bearing Co., Rochester, N. Y.
Rochester Barrel Machine Wks., 10 St. James, Rochester, N. Y
Rochester Blue Printing Co., Rochester, N. Y.
Rochester Boat Wks., Inc., Charlotte Sta., Rochester, N. Y.
Rochester Box & Lbr. Co., Rochester, N. Y.
Rochester Brass Bed Co., Rochester, N. Y.
Rochester Brick & Tile Mfg. Co., Rochester, N. Y.
Rochester Bridge Co., Rochester, Ind.
Rochester Bronze & Aluminum Co., Inc., Rochester, N. Y.
Rochester Brush Mfg. Co., Rochester, N. Y.
Rochester Button Co., Rochester, N. Y.
Rochester Can Co., ash & garbage cans, pails, buckets, etc galvanized metal ware, Rochester, N. Y. *See adv. index at end of book.*
Rochester Canning Co., Rochester, Ind.
Rochester Carriage Co., Rochester, N. Y.
Rochester Chemical Co., Rochester, N. Y.
Rochester Composite Brick Co., Rochester, N. Y.
Rochester Cooperage Co., wooden kegs, Rochester, N. Y.
Rochester Cut Glass Co., Rochester, Pa.
Rochester Cutting Die Co., Rochester, N. Y.
Rochester Fire Works Co., Rochester, N. Y.
Rochester Folding Box Co., Rochester, N. Y.
Rochester Fdry. & Mach. Wks., Rochester, N. H.
Rochester Gas Engine Co., Rochester, N. Y.
Rochester German Brick & Tile Co., Rochester, N. Y.

ster Germicide Co., soaps, disinfectants, etc., Dowling pl, ochester, N. Y.
ster Head Light Works, Rochester, N. Y.
ster Iron Wks., machsts. & fndrs., Rochester, Minn.
ster Laboratory Supply Co., 64 Gorham, Rochester, N. Y.
ster Last Wks., Rochester, N. Y.
ster Lead Wks., Rochester, N. Y.
ster Lime Co., Rochester, N. Y.
ster Lbr. Co., sashes, doors & blinds, Rochester, N. H.
ster Machine Screw Co., 15 Caledonia av, Rochester, N. Y.
ster Mfg. Co., gauges & indicators, 891 Halstead, Roches- r, N. Y.
ster Motors Co., 609 Driving Park av, Rochester, N. Y.
ster Mould & Mach. Co., machsts. & fndrs., Rochester, Pa.
ster Pad & Wrapper Co., Rochester, N. Y.
ster Paper Products Co., Rochester, N. Y.
ster Pneumatic Crown Seal Co., Rochester, N. Y.
ster & Pitt. Coal & Iron Co., Rochester, N. Y.
ster Pressed Steel Co., Rochester, N. Y.
ster Ry. & Light Co., water-gas tar, Rochester, N. Y.
ter Roll Grinding & Corrugating Co., Rochester, N. Y.
ter Rotary Washer Co., Rochester, N. Y.
ster Sand & Brick Co., Rochester, N. Y.
ter Shank Co., shoe shanks, Rochester, N. Y.
ter Show Case Wks., Rochester, N. Y.
ter Spray Pump Co., Rochester, N. Y.
ter Stamping Co., elec. cooking app., Rochester, N. Y.
ter Tallow Co., Rochester, N. Y.
ter Tank & Boiler Co., Rochester, N. Y.
ter Tire Heater Co., Rochester, N. Y.
ter Tool & Gauge Co., 203 State, Rochester, N. Y.
ter Tumbler Co., Rochester, Pa.
ter Vacuum Valve Co., steam fitters' supplies, 36 St. Paul, ochester, N. Y.
ter Vulcanite Pavement Co., Rochester, N. Y.
ter Washing Mach. Corp., clothes washers, Rochester. Y.
er, Theodore Arnold, architect, Torrington, Conn.
te & Parzini, wood & stone carvers, 218 E. 25th, New ork.
Asbestos Roofing Co., Erie, Pa.
Asphalt Co., 24 Oakland, Boston, Mass.
City Machine Co., Nashville, Tenn.
City Mfg. Co., storm sash hangers, screen door hinges, abash, Ind.
City Spoke Co., Nashville, Tenn.
Creek Lbr. Co., Trinity, Texas.
Cut Stone Co., ground limestone, Syracuse, N. Y.
Falls Mfg. Co., auto bldrs., Sterling, Ill.
Flour Mills, Golden, Colo.
Graphite Mining & Mfg. Co., 423 Walnut, Phila., Pa.
Hill Fertilizer Co., Rock Hill, S. C.
Hill Mach. Wks., Roanoke, Va.
sland Bridge & Iron Wks., Rock Island, Ill.
sland Canning Co., Sears, Ill.
sland Hardware Co., Rock Island, Ill.
sland Lbr. & Mfg. Co., Rock Island, Ill.
sland Mfg. Co., anvils, grinders, jacks, vises, etc., Rock and, Ill.
sland Metal Fndry., 505 4th, Rock Island, Ill.
sland Plow Co., agricl. implements, Rock Island, Ill.
sland Register Co., Rock Island, Ill.
sland Sand & Gravel Co., Rock Island, Ill.
sland Sash & Door Wks., cypress doors, Rock Island, Ill.
sland Stove Co., Rock Island, Ill.
sland Wood Wks., sash, door & blind mfrs., Rock Island,

'laster Mfg. Co., masons' & bldrs.' matls., 381 4th av, New rk, & Darby & Scott, Columbus, Ohio.
roducts, trade publications, 542 S. Dearborn, Chicago, Ill.
iver Cotton Co., Janesville, Wis.
iver Lumber Co., Beloit, Wis.
iver Machine Co., Janesville, Wis.
un Carbon Co., Warren, Ohio.
prings Canning Co., Allenton, Mo.
prings Ice & Stone Co., Kansas City, Kans.
ellow Grain Co., masons' & bldrs.' matls., Carson City, ch.
ay Ladder Co., Newark, N. J.
ay Mfg. Co., repeating paper cap pistols, rifler & am- unition, 421-41 Culvert, Cincinnati, Ohio.
ay Rolling Mill, iron concrete reinfg. bars, Rockaway, J.
uff Co., turpentine, Rockbluff, Fla.
stle Cement & Lime Co., cement imprs., Munsey Bldg., ltimore, Md.
stle Lbr. Co., Offut, Ky.
le Lime Co., Tom Brook, Va.
le Oil Co., fert. mfrs., Rockdale, Tex.
le Powder Co., York, Pa.
elder, Julius, brick & tile, Nankin, Ohio.
Bros., archl. iron, 330 W. 26th, New York.
Harry, architect, 373 Fulton, Brooklyn, N. Y.
Henry, contractor, 357 Crescent, Brooklyn, N. Y.
& Vatet, architects, 15 E. 40th, New York.
Co., machsts., 275 E. Main, Columbus, Ohio.
Thomas, contr., Freeport, Ill.

Rockfall Woolen Co., horse blankets, Middletown, Conn.
Rockfield Canning Co., Rockfield, Wis.
Rockford Art Glass Wks., Rockford, Ill.
Rockford Belting Co., leather belting, Rockford, Ill.
Rockford Bit Co., Kokomo, Ind.
Rockford Bolt Co., pole steps, Rockford, Ill.
Rockford Bolt Co., electro galvanizing, 60 Mill, Chicago, Ill.
Rockford Brass Wks., machsts. & fndrs., Rockford, Ill.
Rockford Brick & Tile Co., Rockford, Ia.
Rockford Builders' Supply Co., Rockford, Ill.
Rockford Canning Co., Rockford, Ill.
Rockford Concrete Co., contrs., Rockford, Ill.
Rockford Desk Co., Rockford, Ill.
Rockford Drilling Machine Co., Rockford, Ill.
Rockford Drop Forge Co., Rockford, Ill.
Rockford Iron Works, Rockford, Ill.
Rockford, John C., contractor, White Bldg., Seattle, Wash.
Rockford Lathe & Drill Co., engine lathes, Rockford, Ill.
Rockford Lthr. Goods Co., advtg. nov. & spec., Rockford, Ill.
Rockford Leather Washer Co., Rockford, Ill.
Rockford Lbr. & Fuel Co., masons' & bldrs.' matls., Rockford, Ill.
Rockford Machine Tool Co., Rockford, Ill.
Rockford Malleable Iron Wks., machsts. & fndrs., Rockford, Ill.
Rockford Mfg. Co., circular saw mills, Indianapolis, Ind.
Rockford Mfg. Co., machsts. & fndrs., agricultural implements, Rockford, Ill.
Rockford Metal Spec. Co., tinning & japanning, Rockford, Ill.
Rockford Milling Machine Co., Rockford, Ill.
Rockford Mitre Box Co., metal cutting, 252 Mill, Rockford, Ill.
Rockford Palace Furniture Co., music cabinets, Rockford, Ill.
Rockford Paper Box Board Co., Rockford, Ill.
Rockford Paper Mills, Rockford, Ill.
Rockford Peerless Furniture Co., portables, Rockford, Ill.
Rockford Standard Furniture Co., book cases, Rockford, Ill.
Rockford Steel Fixture Co., Rockford, Ill.
Rockford Tool Co., Rockford, Ill.
Rockford Twist Drill Co., Rockford, Ill.
Rockford Varnish Co., Rockford, Ill.
Rockford Watch Co., Elgin & Rockford, Ill.
Rockhill Iron & Coal Co., bituminous, 437 Chestnut, Phila., Pa.
Rockhill & Victor, oils, 22 Cliff, New York.
Rockland Lake Trap Rock Co., 17 Battery pl, New York.
Rockland Milling Co., flour, Weyer's Cave, Va.
Rockland & Rockport Lime Co., Rockland, Me.
Rockland Webbing Co., Rockland, Mass.
Rockland Welting Co., Rockland, Mass.
Rockmart Brick & Slate Co., Augusta, Ga.
Rockport Canning Co., Rockport, Mo.
Rockport Drain & Tile Co., Rockport, Ind.
Rockport Granite Co., granite quarries, crushed stone, Rockport, Mass.; 31 State, Boston, Mass., & 21 Park row, New York.
Rockport Isinglass Co., Rockport, Mass.
Rockport Mill Co., lbr., Rockport, Wash.
Rockrise & Shiota, archts., 366 5th av, New York.
Rockville Granite Co., Rockville, Minn.
Rockwall Cotton Oil Co., meal, Rockwall, Tex.
Rockwell-Barnes Co., cash reg. paper, adding mach. rolls, filing cabinets, 823 S. Wabash av, Chicago, Ill.
Rockwell Bros. & Co., masons' & bldrs.' matls., Albany, Tex.
Rockwell, Clough Co., corkscrews, Alton, N. H.
Rockwell & Co., Inc., mattress machy., 74 India, Boston, Mass.
Rockwell-Drake Co., Bearing, Plainville, Conn.
Rockwell, Fred J., contractor, 741 Washington, Boston, Mass.
Rockwell, George W., contr., Sunbury, Pa.
Rockwell, Jno. L., toys, Monroeton, Pa.
Rockwell, John W., & Sons Co., packing box mfrs., Hartford, Conn.
Rockwell, L. A., Co., bakers' machy., 430 Smith, Brooklyn, N. Y.
Rockwell Lime Co., 133 W. Washington, Chicago, Ill.
Rockwell Mfg. Co., interior finish mfrs., 572 Park, Milwaukee, Wis.
Rockwell & Sherwin, carriages, Brattleboro, Vt.
Rockwell Silver Co., cut glassware, Meriden, Conn.
Rockwell, W. S., Co., furnace mfrs., 50 Church, New York.
*See adv index at end of book*
Rockwood & Buss, contrs., Bennington, Vt.
Rockwood Mfg. Co., paper pulleys & iron & fibre frictions, 1801 English av, Indianapolis, Ind.
Rockwood Milling Co., flour mills, Rockwood, Pa.
Rockwood Photographer, 510 W. 145th, New York.
Rockwood Pottery Co., floor & wall tile, Cincinnati, Ohio.
Rockwood Sprinkle Co., automatic sprinklers, 3604 S. Morgan, Chicago, Ill.
Rockwood Sprinkler Co., automatic sprinkler systems, pressed steel unions & pressed metal products, Worcester, Mass.
Rocky Ford Canning & Mfg. Co., Rocky Ford, Colo.
Rocky Hill Hdwe. Co., Rocky Hill, Conn.
Rocky Mountain Fuel Co., masons' & bldrs.' matls., Foster Bldg., Denver, Colo.
Rocky Neck Marine Co. Railway, dry docks & marine railways, Gloucester, Mass.
Rocky Ridge Lime & Stone Co., Rocky Ridge, Ohio.
Rocky River Dry Dock Co., Blunt rd, Cleveland, Ohio.
Rod Pennant Mfg. Co., 3 Watkins, Brooklyn, N. Y.
Rodatz, J., contractor, 209 S. La Salle, Chicago, Ill.
Rodday, Robt. J., Co., hot air furnaces, 138 Harrison av, Boston, Mass.

Roddenberry, W. B., canned goods, Cairo, Ga.
Roddis Lumber & Veneer Co., hardwood doors, Marshfield, Wis.
Rode, W. C., contractor, 153 Garfield av, Jersey City, N. J.
Rodefeld Mfg. Co., cast iron pipe cutters, Richmond, Ind.
Rodefer Glass Co. (The), novelties & specialties in glassware, private mold production, Bellaire, Ohio.
*See adv index at end of book*
Rodger Ballast Car Co., Railway Exchange Bldg., Chicago, Ill.
Rodgers, A. D. & W. E., flour mills, New Market, Ala.
Rodgers Addressing Bureau, direct advertising service; addressing and multigraphing mailing lists a specialty, 365 Market, San Francisco, Cal.
Rodgers Boiler & Burner Co., tanners' tanks, Muskegon, Mich.
Rodgers, Chas. W., Co., bldg. materials, Maritime Bldg., Seattle, Wash.
Rodgers-Collins Co., boiler compound, Pontaic bldg., St. Louis, Mo.
Rodgers, D. M., masons' & bldrs.' matls., Corning, Ohio.
Rodgers, Geo. F. & Co., shipbldrs., Astoria, Ore.
Rodgers, Geo. G., machsts., Springfield, Ohio.
Rodgers & Hagerty, contrs., 103 E. 125th, New York.
Rodgers Iron Mfg. Co., steam pumps, Muskegon, Mich.
Rodgers, J. C., & Son, contractors, 271 W. 125th, New York.
Rodgers, J. E., Mfg. Co., printing inks, 206 E. 19th, New York.
Rodgers, Leonidas (Est. of), carriages, New Castle, Ind.
Rodgers, R. M., Mfg. Co., dumb waiters & elev., 74 Emerson pl, Brooklyn, N. Y.
Rodgers Sand Co., wood & water, Pittsburgh, Pa.
Rodier & Fitzgerald, glass signs, 296 Pearl, New York.
Rodman Lumber Co., Rodman, Fla.
Rodman Turpentine Co., Rodman, Fla.
Rodriguez, R. E., paint brushes, 56 Warren, New York
Rodrock, E. M., Co., masons' & bldrs.' matls., Paterson, N. J.
Roe Bros., masons' & bldrs.' matls., Florida, N. Y.
Roe & Conover, hdwe., tools, machy., supplies & equipment, steamfitters, mill & facty., 206 Frelinghuyson av, Newark, N. J. *See adv index at end of book*
Roe, F. B., Co., canned goods, Greensboro, Md.
Roe, Geo. W., architect, Pueblo, Colo.
Roe, Justus, & Sons, machsts, Patchogue, N. Y.
Roe, Wm. S., mill & facty. supplies, 17 Mechanic, Newark, N. J.
Roebling's, John A., Sons Co., wire rope, insulated wires & cables, etc., Trenton, N. J. *See adv index at end of book*
Roebuck Weather Strip & Wire Screen Co., window ventilators, 3518 av H, Brooklyn, N. Y.
Roechling Elec. Steel Co., tool steel, 173 Lafayette, New York.
Roedel, Frank A., wholesale hdwe., Cheyenne, Wyo.
Roeder, Fred, Mfg. Co., auto. wood bodies, 1396 Atlantic av Brooklyn, N. Y.
Roeder-Greeman Stone & Const. Co., Quincy, Ill.
Roeding Fig & Olive Co., canners, Fresno, Cal.
Roeger, Fred, architect, 15 Park row, New York
Roehl Bros., contractors., Clark & W. 25th, Cleveland, Ohio.
Roedl & Jacobs Co., masons' & bldrs' matls., Beaver Dam, Wis
Roehm Bros., contractors, Terre Haute, Ind.
Roehm & Davison, wholesade hdwe. & curtain fasteners, 93 Woodbridge av, Detroit, Mich.
Roehm, Paul P., const., Calumet, Mich.
Roehr Co., interior finish mfrs., Bucyrus, Ohio.
Roek Creek Lumber Co., Hampton Springs, Fla.
Roekel Co., plumbers' supplies, jobbers, Zanesville, Ohio.
Roelker, H. B., ice machs., 41 Maiden la, New York.
Roelle, Frederick, Co., telc. & telegraph wire, 2818 Oxford, Philadelphia, Pa.
Roemer Bros., lumber, Bowling Green, Ky.
Roemer, J., Heating Co., 1808 E. 22d, Cleveland, Ohio.
Roemer & Roemer, machinists, Santa Maria, Cal.
Roeper Crane & Hoist Wks., overhead trolleys, Reading, Pa.
Roesch Bros. Plating Wks., Belleville, Ill.
Roesch, Geo. E., rural mail boxes, Aurora, Ill.
Roesch-Kohl Enamel Range Co., fndrs., Belleville, Ill.
Roeschlaub & Fuller, architects, Foster Bldg., Denver, Colo.
Roesler, Herman, cornices, 1523 W. 24th, Milwaukee, Wis.
Roessel, Louis, & Co., umbrella cloth, 440 4th, New York.
Roessing Bronze Co., ingots, Etna, Pa.
Roessing, Ernst. Co., coils & pipe bends, Butler, Pittsburgh, Pa
Roessler & Hasslacher Chemical Co., 709 6th av, New York
Roeti-Hunt Corp., push pins & needle threaders, Putnam, Conn
Roettiger, H. & F., masons' & bldrs.' matls., Fountain City, Wis
Roff Underwear Co., sweaters, cardigans, etc., Cohoes, N. Y.
Roffers, John, common brick, De Pere, Wis.
Rogan Bros., lumber, Cable, Wis.
Rogers, A., Co., animal foods, soap, etc., Aurora, Ill.
Rogers, Andrew J., Co., cornices, Paterson, N. J.
Rogers Bros., lbr. mfrs., Bath, Me.
Rogers-Bailey Hardware Co., Chattanooga, Tenn.
Rogers & Baldwin Hardware Co., Springfield, Mo.
Rogers, Bonnah & Chaffee, architects, 528 Farwell, Detroit, Mich.
Rogers Bros., Co., contractors, 350 Merrick, Los Angeles, Cal.
Rogers Broom Co., Washington, Ind.
Rogers & Bro., table silverware, Waterbury, Conn.
Rogers Bros., hot process galvanizing, Batavia, Ill.
Rogers Bros. Co., steel structural wk., Albion, Pa.
Rogers Bros. Galvanizing Wks., Rockford, Ill.
Rogers-Brown & Co., pig iron & coke dlrs., etc., 77 Carew Bldg., Cincinnati, Ohio.
Rogers-Brown Iron Co., Erie Co. Bank Bldg., Buffalo, N. Y.



Rogers Button Co. (Est. of), Springfield, Mass.
Rogers, C. E., castings, 34 Beach, Boston, Mass.
Rogers, C. P., & Co., beds, springs, mattresses, 14 E. 33d, New York.
Rogers, C. R., & Co., contractors, Corry, Pa.
Rogers, C. W., cornices & skylights, Bath, Me.
Rogers, Chas. E., machst. & milk condensing machy., 32 Goldsmith, Detroit, Mich.
Rogers, Chas. E. J., architect, Phelan Bldg., San Francisco, Ca.
Rogers & Co., paper, 521 Marquette av, Minneapolis, Minn.
Rogers & Co., stove linings mfrs., Royersford, Pa.
Rogers Constr. Co., Gloucester City, N. J.
Rogers Constr. Co., Chattanooga, Tenn.
Rogers, E. A., & Co., glue mfrs., 161 Devonshire, Boston, Mass.
Rogers, E. F., & Co., megaphones, 410 Arch, Philadelphia, Pa.
Rogers, F. C., sash, door & blind mfrs., Leroy, N. Y.
Rogers, F. G., architect, Greenville, S. C.
Rogers Fdry. & Mfg. Co., Joplin, Mo.
Rogers Fibre Co., hard & soft fibre, insulation, fibre carrier containers, trunks, trucks, cars & shoe counters, mfrs., 1 Beach, Boston, Mass. *See adv. index at end of book*
Rogers, Frank H., gun cleaners, Deep River, Conn.
Rogers, Frank R., knife grinders, 16-20 Elk, Buffalo, N. Y.
Rogers, G. W., & Co., dock bldrs., 29 B'way, New York.
Rogers, Geo. B., archt., Van Antwerp Bldg., Mobile, Ala.
Rogers, Geo. C. D., architect, Morristown, N. J.
Rogers, Geo. O., architect, Hartje Bldg., Pittsburgh, Pa.
Rogers, Geo. W., & Co., contractors, 29 B'way, New York.
Rogers, H. A., Co., mill & facty. supp., 87 Walker, New York. *See adv index at end of book.*
Rogers, H. C., architect, Estes Park, Colo.
Rogers, H. W., archt., 25 Exchange, Lynn, Mass.
Rogers & Hamilton Co., table silverware, Waterbury, Conn.
Rogers Hardware Co., Eutaw, Ala.
Rogers, Henry M., architect, Johnstown, Pa.
Rogers, Hervey E., stone producers, New London, Conn.
Rogers, Howard, architect, 463 B'way, Albany, N. Y.
Rogers & Hubbard Co., bone buttons, case hardening compounds, handles, Middletown, Conn.
Rogers, J. & J., Co., paper & pulp mills, Ausable Forks, N. Y.
Rogers, J. S., Co., contractors, Moorestown, N. J.
Rogers, J., Silver Co., 13 Laight, New York.
Rogers, J. T., ties, poles & posts, Faceville, Ga.
Rogers, Jas. Gamble, architect, 367 Lexington, New York, & 1 S. La Salle, Chicago, Ill.
Rogers, James S., archt., Farwell bldg., Detroit, Mich.
Rogers, Jas. T., & Co., sash, door & blind mfrs., Peoria, Ill.
Rogers, John F., shoe vamp marking machs., Belfast, Me.
Rogers, John M., Wks., machsts. & fndrs., Gloucester City, N. J.
Rogers, Jos. B., cornices, Hallstead, Pa.
Rogers, L. C., fertilizer mfr., Frederica, Del.
Rogers, Laussat R., architect, 911 Market, Wilmington, Del.
Rogers Lbr. Co., Warren, Pa.
Rogers & McIntyre, printing inks, 30 S. Clark, Chicago, Ill.
Rogers & McLean, bldg. contrs., Duluth, Minn.
Rogers, M. E., brick, Deshler, Ohio.
Rogers Mach. Tool Co., Alfred, N. Y.
Rogers Manifold & Carbon Paper Co., 33 Sullivan, New York.
Rogers Mfg. Co., bone buttons, fertilizer mfrs., Rockfall, Conn.
Rogers Metal Wks., Kansas City, Mo.
Rogers & Miller, whol. hdwe., 135 Market, Philadelphia, Pa.
Rogers, O. A., machsts., Bloomfield, N. J.
Rogers, P. O., & Son, contractors, Chattanooga, Tenn.
Rogers Paper Mfg. Co., ironing & leather boards, So. Manchester, Conn.
Rogers, Pliny P., architect, 477 5th av, New York.
Rogers Pyatt Shellac Co., 81 Water, New York.
Rogers, R. J., Lbr. Co., Geneva, N. Y.
Rogers, R. R., Co., milk condensing machy., 40 Chopl pl, Detroit, Mich.
Rogers Rake Co., New Hartford, Conn.
Rogers, Robt. E., architect, 347 S. 4th av, Mount Vernon, N. Y.
Rogers, Rose, & Co., flour mills, Gradyville, Ky.
Rogers, Ruger, Lbr. Co., Superior, Wis.
Rogers, Sam'l C., & Co., machy., 10 Lock, Buffalo, N. Y.
Rogers Sash & Door Co., New Britain, Conn.
Rogers-Schmitt Wire & Iron Co., 1815 N. 23d, St. Louis, Mo.
Rogers-Shear Co., plasters' steel corner beads, Warren, Pa.
Rogers Silver Co., casket hardware, Westfield, Mass.
Rogers, Simeon L., & George H. Co., table silverware, Hartford, Conn.
Rogers, Smith & Co., table silverware, Meriden, Conn.
Rogers, Spencer, Son, bldg. contr., Portland, Me.
Rogers Sporting Goods Co., base ball mfrs. & gloves, Springfield, Mass.
Rogers, T. Mellon, architect, Devon, Pa.
Rogers Tent & Awning Co., Fremont, Neb.
Rogers Una-Drive Motor Truck Corp., Sunnyvale, Cal.
Rogers, Virgil, soap, Gibbon, Neb.
Rogers, W. A. (Ltd.), cutlery, Northampton, Mass.
Rogers, W. C., ties, poles & posts, Broadhurst, Ga.
Rogers, W. F. Fdy., Bandon, Ore.
Rogers, W. G., architect, Charlotte, N. C.
Rogers, W. H., Paint Mill, varnish mfrs., Houston, Tex.
Rogers & Haneman, architects, 50 E. 42nd, New York
Rogers & Wells, contractors, Middlebury, Vt.
Rogers White Lime Co., Rogers, Ark.

rs, Wm. A. (Ltd.), table silverware, Niagara Falls, N. Y.
rs, Wm. J., architect, 50 E. 42d, New York.
rs, Wm., Mfg. Co., table silverware, Meriden, Conn.
rs Wire Works, Inc., wire cloth mfrs., Belleville, N. J.
rs & Madison, trunks, Petersburg, Va.
rson, J. C., & Co., whol. hdwe., Hudson, N. Y.
rsville Mill Co., flour, Rogersville, Tenn.
wski Bros. & Wedda, contractors, Canfield & G. T. Ry., Detroit, Mich.
e River Hardware Co., Grants Pass, Ore.
e River Valley Canning Co., Medford, Ore.
n, John A., Boiler Wks. Co., 913 La Beaume, St. Louis, Mo.
e, Chas. L., & Sons Co., ship bldrs., ft 3rd av, Baltimore, Md.
e, W. H. L., masons' & bldrs.' matls., Ann Arbor, Mich.
& Bro., meat packers, 527 W. 36th, New York.
, Jean Baptist, & Son, archts., 138 N. La Salle, Chicago, Ill.
, Geo. F., knife switches, 524 Jackson, Milwaukee, Wis.
s, Albert, & Co., archl. iron, 193 Cass, Detroit, Mich.
baugh, J. F., & Co., contractors, Hanover, Pa.
er, D. J., sash, door & blind, Clintonville, Wis.
te, Fobart & Winters, contrs., Zuler bldg., Spokane, Wash.
Battery Co., elec. lamp flashlights, 27 W. 20th, New York.
ach, I., & Sons, soap, 345 Hewes, Brooklyn, N. Y.
adi, F., contractor, 550 Montgomery, San Francisco, Cal.
Bernard, dock bldrs., 39 Cortlandt, New York.
Heater Mfg. Co., water heaters, Columbus, Ohio.
Building Materials Co., New Brunswick, N. J.
, C. M. & A. H., sash, doors & blind mfrs., Penacook, N. H.
e Iron Co., gates, 14 N. Franklin, Chicago, Ill.
ig, J. F., machst. & fndr., Salisbury, Mo.
Mfg. Co., mortar color mfrs., Waterloo rd, Cleveland, Ohio
way Screen Co., Burlington, Vt.
way Co., bicycle motors, 1048 Shepard, Toledo, Ohio
r, Geo. B., common brick, Canton, Ill.
r Lock Nut Co., Inc., 61 Broadway, New York.
r-Smith Co., testers, switches, meters, etc., 233 B'way, New York.
n Chemical Corp., 120 B'way, New York
*See adv. index at end of book*
n Construction Corp., 90 West, New York
ns Engine Co., Nashua, N. H.
ns, Sim. D., & Co., plumbers' supplies—jobbers, Minneapolis, Minn.
ns Supply Co., mill & facty. supplies, 17 W. Kinzie, Chicago, Ill.
nan Mfg. Co. (Ltd.), machsts., Orangeville, Pa., & meat choppers, hdwe., nut crackers, etc., Mount Joy, Pa.
nd Glass Co., window glass mfrs., Clarksburg, W. Va.
, H. J., lithpone, sulphuret of antimony & oxide of zinc, Ellicott Sq. bldg., Buffalo, N. Y.
Royce of Am., Inc., auto bldrs., Springfield, Mass.
, Robt., Co., plumbers', mill & facty. supplies—jobbers, 1023 St. Paul av, Milwaukee, Wis.
an Bronze Wks., machsts. & fndrs., 275 Greene, B'klyn, N. Y.
an Landscape Contrg. Co., Inc., 15 E. 40th, New York
an Mosaic & Tile Co., Inc., 435 Green, Phila., Pa.
an, Otto E., contrs., Weehawken, N. J.
an Road Co., contrs., 228 Southampton, Boston, Mass.
baugh, W. N., contractor, Gorlock Bldg., St. Louis, Mo.
e Bicycle Mfg. Co., Rome, N. Y.
e Brass & Copper Co., Rome, N. Y.
e Brick & Tile Co., Rome, Ga.
e Elec. Co. (magnet), wire, Rome, N. Y.
e, Geo., & Co., cornices, Carnegie, Pa.
e Hardware Co., Rome, Ga.
e Hollow Wire & Tube Co., Rome, N. Y.
e Iron Mills, Inc., 30 Church, New York.
e Machine & Fdry. Co., Rome, Ga.
e Mfg. Co., metal wares, etc., Rome, N. Y.
e Metal Products Co., Inc., steel tubing, 150 Nassau, New York
e Metallic Bedstead Co., Rome, N. Y.
e Soap Mfg. Co., textile & laundry soap, Rome, N. Y.
e Sporting Goods Mfg. Co., Rome, N. Y.
e Stone Cutting Co., 17 Grafton av, Newark, N. J.
e Supply Co., plumbers' supplies—jobbers, Rome, Ga.
e-Turney Radiator Co., Rome, N. Y.
e Wire Co., Rome, N. Y. *See adv index at end of book.*
an Nose Gyp. Co., plasters, Bickford, Okla.
eo Foundry Co., Port Huron, Mich.
mel, Frank A., architect, Weightman Bldg., Phila., Pa.
mel, G. H., Co., contractors, Louisville, Ky.
er Axe Co., Dunkirk, N. Y.
er & Co., hdwe. mfrs., 275 Passaic, Newark, N. J.
er, F. J., Construction Co., 190 Ramsey, St. Paul, Minn.
er Mfg. Co., black'g cases, 203 Diamond, Brooklyn, N. Y.
eyn, Chas. W., architect, 55 B'way, New York.
eyn, T. F., Co., pckg. box mfrs., Albany, N. Y.
ick Mill Furnishing Co., Niles, Ohio.
ig, P. A., masons' & bldrs.' matls., Uhrichville, Ohio.
isch Mfg. Co., macsts. & fndrs., Morgantown, W. Va.
ona Oolitic Stone Co., Stinesville, Ind.
sen, I. S., Mfg. Co., carriages, 740 Grand, Brooklyn, N. Y.
everte Lbr. Co., oak flooring, Ronceverte, W. Va.
chi & Son, pianos, West Hoboken, N. J.
eo Co., pencil sharpeners, copying presses, 117 Leonard, New York.

Roney & Rae Co., bobbin holders, Woonsocket, R. I.
Ronfeldt, Chas. J., steel stamps, 61 Beekman, New York.
Ronson Spec. Co., wrenches, etc., 7 Mulberry, Newark, N. J.
Roo & Van Leeuwen Lumber Co., Lynden, Wash.
Rood Constr. Co., Grand Rapids, Wis.
Rood, M., & Co., flour mills, Bark River, Mich.
Rood, R. A., packing box mfrs., Buttles av & Facty., Columbus, O.
Roode, S. M., architect, Dillon, Mont.
Roof, H. H., architect, Biloxi, Miss.
Rooke Automatic Register Co., 17 Warren, Providence, R. I.
Rooksby, E. J., & Co., machy. mfrs., 435 N. 11th, Phila., Pa.
Rooke, Frank A., architect, 15 E. 40th, New York
Rockwood Pottery Co., Rockwood pl, Mount Adams, Cincinnati, Ohio.
Roome, James A., carriages, Peabody, Mass.
Rooney, F. J., Lamp Co., 257 14th, Hoboken, N. J.
Rooney, John A., contractors, 319 Wash., Boston, Mass.
Rooney, Jno. B., mill & facty. supplies, Walpole, Mass.
Rooney, Wyckoff Co., contrs., Consolidated Realty bldg., Los Angeles, Cal.
Roos, August, Sons, brewers' machy. & supplies, coppersmiths, 429 E. 91st, New York.
Roos Bros., contractors, 2824 Stanton av, W. H., Cincinnati, O.
Roos, Chas., lbr., Williamsport, Pa.
Roos, Chas. A., coils, columns, plants, etc., 429 E. 91st, New York.
Roos, Hy., Fdry. Co., archl. iron, 1749 Ballou, Chicago, Ill.
Roos Mfg. Co., cedar chests, curtain poles, 967 W. 20th, Chicago, Ill.
Roosa, Fredk. H., archt., 316 Flatbush av, Brooklyn, N. Y.
Roosen, H. D., Co., printing inks, 461 8th av, New York.
Roosevelt, W. A., Co., plumbers', mill & facty. supplies—jobbers, La Crosse, Wis.
Root, A. I., Co., bee keepers' supplies, Medina, Ohio.
Root, B. M., Co., variety sawing machinery, York, Pa.
Root, C. D., lbr., Crown Point, Ind.
Root, C. R., wood carvers, plastic orna., etc., Hartford, Conn.
Root, Chas. J., Co., counting machines & wrought brass hinge mfrs., Bristol, Conn.
Root Glass Co., bottles, Terre Haute, Ind.
Root-Heath Mfg. Co. See Fate-Root-Heath Co. (successor).
Root, Hy. S., & Son, wholesale hdwe., Newport, Vt.
Root, J. V., canned goods, Versailles, Ill.
Root & Kerr, architects, Henry Bldg., Portland, Ore.
Root Mfg. Co., sash, door & blind, Michigan City, Ind.
Root Mfg. Co. (Tivoli Mills), knit gds., Cohoes, N. Y.
Root, Neal, & Co., mill & facty. supplies, etc., 178 Main, Buffalo, N. Y.
Root, Neilson & Co., machsts. & fndrs., Sacramento, Cal.
Root & Siemers, architects, Scarritt Bldg., Kansas City, Mo.
Root Spring Scraper Co., Kalamazoo, Mich.
Root & Vandervoort Engng. Co., East Moline, Ill.
Root, W. A., & H. A., contractors, 1 Beacon, Boston, Mass.
Root, W. H., cornices & skylights, Iola, Kans.
Roots, P. H., F. M., Co., machsts. & fndrs., Connersville, Ind.
Roovers Bros., letter & figure embossing presses, stationers' spec., etc., 100 Schermerhorn, Brooklyn, N. Y.
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Rope Fire Escape Co., 1626 Market, Philadelphia, Pa.
Ropelt, Pritchard, pianos, Rochester, N. Y.
Roper Box & Lbr. Co., Petersburg, Va.
Roper Bros. Lbr. Co., Petersburg, Va.
Roper, John L., Lumber Co., lumber mfrs., Norfolk, Va.
Ropes Bros., masons' & bldrs.' matls., Danvers, Mass.
Roquemore, O. G., architect, Amarillo, Tex.
Rorech, J. J., Jr., bldr. & contr., Stamford, Conn.
Roren Drop Forging Co., Inc., wrenches, 36 Warren, New York.
Rork, M. D., Mfg. Co., windmills, Lansing, Mich.
Rosa Lbr. Co., Picayune, Miss.
Rosa, N. W., masons' & bldrs.' matls., Schenectady, N. Y.
Rosary Flower Co., Inc., landscape architects, 423 Park av, New York
Rosback, F. P., Co., book binders' machy., Benton Harbor, Mich.
Rosch, Math, cornices, 2937 N. Ashland av, Chicago, Ill.
Rosche, John, machst. & fndr., Schleisingerville, Wis.
Rosche & Suhs, machsts. & fndrs., Waupaca, Wis.
Roscoe, Edward F., contractor, Pittsfield, Mass.
Roscoe & Moss, oil & gas well supplies, 959 E. 4th, Los Angeles, Cal.
Rose, Albert A., contractor, Penobscot Bldg., Detroit, Mich.
Rose Bros., & Co., umbrella mfrs., Lancaster, Pa.
Rose & Cecil, flour mills, Stillwater, Ky.
Rose Co., wall pockets, 804-6-8 Sansome, Phila., Pa.
Rose City Cotton Oil Mill, Little Rock, Ark.
Rose City Mfg. Co., lumber, Rose City, Mich.
Rose, D. M., & Co., sash, door & blind, Knoxville, Tenn.
Rose, Edw., architect, Elmhurst, N. Y.
Rose & Fisher, contractors, Sandusky & Duquesne wy, Pittsburgh, Pa.
Rose, Garland R., architect, Durham, N. C.
Rose, H., bowl'g alley bldrs., 145 Hamilton av, Brooklyn, N. Y.
Rose, H. A. (Est. of), masons' & bldrs.' matls., North Tonawanda, N. Y.
Rose Hill Lbr. Co., Inc., Penola, Va.
Rose, H. Wilson, architect, Newton Centre, Mass.
Rose & Hastie, elec. portables, 754 Lexington av, Brooklyn, N. Y.
Rose, J. A., Mfg. Co., automobile pumps, gasket cutters, guns & syringes, Hastings, Neb.

Rose & Johnson, mill & facty. supplies, Haverstraw, N. Y.
Rose Lake Lbr. Co., Roselake, Idaho.
Rose Mfg. Co., heaters, lamps, etc., 910 Arch, Phila., Pa.
Rose Mfg. Co., water cooler cocks, 120 W. 32d, New York.
Rose Patent Grate Co, Council Bluffs, Ia.
Rose, Peter, & Sons, harness mfrs., 9 S. Howard, Baltimore, Md.
Rose Point Stone & Lime Co., New Castle, Pa.
Rose Polytechnic Inst., engng. school & coll., Terre Haute, Ind.
Rose, Richard, wall paper mfr., Beverly, N. J.
Rose, Rich D., architect, Tiverton, R. I.
Rose, S., black carbons, 21 Maiden la, New York.
Rose, S., Co., emery wheel dressers, carbons, 12 John, New York.
Rose Spring & Mattress Co., Memphis, Tenn.
Rose, Strauss Co., electric portables, 208 W. 48th, New York.
Rose, Wm., & Bros., erasers, knives, trowels, Sharon Hill, Pa.
Rosealene Products Co., 667 Howard, San Francisco, Cal.
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Roseboom, J. A., & Co., corn brooms, Mattoon, Ill.
Roseboom, W. L., & Co., broom corn, 3544 S. Morgan, Chicago, Ill.
Roseboro, Chester E., carriages, New Holland, Pa.
Rosebrooks & Cummings, cornices & skylights, Webster, Mass.
Rosebud Oil & Cotton Co., meal, Rosebud, Tex.
Rosechlaub, Roberts S., archt., 3676 3d, San Diego, Cal.
Rosedale Contrg. & Supply Co., Hodiamont av, nr. Cates av, St. Louis, Mo.
Rosedale Foundry & Machine Co., Columbus & Preble, Pittsburgh, Pa.
Rosehill Cornice Wks., 5909 N. Clark, Chicago, Ill.
Roseland Can & Spec. Co., Rockford, Ill.
Roseland Farm & Mfg. Co., meat packers, Warrensburg, Mo.
Roseland Veneer & Package Co., Ltd., Roseland, La.
Rosen, A. W., & Co., lamps, plugs, etc., 610 B'way, New York.
Rosen, Henry, scrap iron & steel, Toledo, Ohio.
Rosen Knitt'g Mills, sweaters, cardigans, etc., 2698 Atlantic av., Brooklyn, N. Y.
Rosen, R. O., architect, Todd bldg, Louisville, Ky.
Rosenbaum, C. E., Machinery Co., Little Rock, Ark.
Rosenbaum Hdwe, Co., hardware, wholesale, 2610 Washington av, Newport News, Va.
Rosenbaum Mfg. Co., machsts., 33 Bleecker, New York.
Rosenbaum, Samuel, architect, 51 Chambers, New York.
Rosenbaum & Philips, elec. & gas light fixtures, 204 W. Houston, New York.
Rosenberg Bros., scrap iron & rubber, Chelsea, Mass.
Rosenberg, F., Elev. Co., 174 Reed, Milwaukee, Wis.
Rosenberg, J. H., Jr., stone producers, Wheeling, W. Va.
Rosenberg Oil Co., belt dressing, lubricating oils, 2066 Milwaukee av, Chicago, Ill.
Rosenblatt, Hy., plate glass, 148 Fountain, Providence, R. I.
Rosenblatt, Wm. (Inc.), scrap tin, brass, 262 Water, New York.
Rosenbush & Solomon, bronze powder, 23 S. Desplaines, Chicago, Ill.
Rosecrance, Clay C., flour mills, Mill Creek, W. Va.
Rosenfeld, I., cornices, 274 Av B, New York.
Rosengren, Ed., brooms, Lindsborg, Kans.
Rosenhirsch, H., Co., bristles, 10 Goddard, Providence, R. I.
Rosensohn, Hyman, architect, 800 Broad, Newark, N. .
Rosenson, D., & Sons, bags & suit cases, 1600 Baronne, New Orleans, La.
Rosenson, David, paint mfr., 407 Watkins, Brooklyn, N. Y.
Rosenstiel, Chas., & Son, contractors, 606 Reading rd, Cincinnati, Ohio.
Rosenthal, A. B., architect, 126 W. 3d, Los Angeles, Cal.
Rosenthal, Albert, contractor, Garrett Bldg., Baltimore, Md.
Rosenthal Bros., silk tassels, 463 Broome, New York.
Rosenthal, Christian, soap, Detroit, Mich.
Rosenthal & Cohen, packing box mfrs., 53 Great Jones, New York.
Rosenthal Corn Husker Co., West Allis, Milwaukee, Wis.
Rosenthal, H. A., scrap rubber, Trenton, N. J.
Rosenthal, Jos., cornices, 220 N. 5th, Phila., Pa.
Rosenthal, O. W., & Co., contractors, 80 E. Jackson, Chicago, Ill.
Rosenthal's, Jos., Sons, babbitt metal, brass castings, 190 W. Berks, Phila., Pa.
Rosenwach, J., wood tanks, 619 Grand, New York.
Rosenwald & Weil, rubber sheeting & cloth, 1514 W. Kinzie, Chicago, Ill.
Roseville Pottery Co., Linden av, Zanesville, Ohio.
Rosewarne, Wm., contractor, Mishawaka, Ind.
Rosewater Electric Co., blowers, 5516 Hinsman rd, Cleveland, O.
Rosiclare Lead & Fluorspar Mines, Rosiclare, Ill.
Rosie Mill & Gin Co., Rosie, Ark.
Rosin & Turpentine Export Co., 26 Cortlandt, New York.
Rosing, Astrid S., masons' & bldrs.' matls., 111 W. Monroe, Chicago, Ill.
Rosman Tanning Extract Co., Rosman, N. C.
Rosman & Wierdsma, architects, 424 Jefferson, Milwaukee, Wis.
Ross, Adam, Cut Stone Co., 1003 B'way, Albany, N. Y.
Ross, B. W., & Son, contrs., Easton, Md.
Ross Boiler Co., 3600 Shields av, Chicago, Ill.
Ross Bros., Co., garden barrows, whol. hdwe., 90 Front, Worcester, Mass.
Ross Bros., iron fences, Miners Mills, Pa.
Ross, C. E., clothes washing machines, Lincoln, Ill.
Ross Carriage Mfg. Co., Union City, Ind.



Ross, Chas. & Son Co., paint grinding & mixing machy., 1 Classon av, Brooklyn, N. Y.
Ross Construction Co., Sacramento, Cal.
Ross, C. W., contr., Middleburg, Vt.
Ross, Donald, contractor, 459 7th av, New York.
Ross, E. C., canned goods, Seaford, Del.
Ross, E. W., Co., agricultural implements, Springfield, Ohio.
Ross, Francis J., mill & facty. supplies, Hoboken, N. J.
Ross, Frazer, Iron Co., St. Joseph, Mo.
Ross, Fred C., lumber, 517 Warren av, W. Detroit, Mich.
Ross Gear & Tool Co., Lafayette, Ind.
Ross, Giles, contractor, Wilkes-Barre, Pa.
Ross, H. W., Lumber Co., Minneapolis, Minn.
Ross Hardware Co., Eufaula, Ala.
Ross Heater & Mfg. Co., Inc., feed water heaters, Mutual Li Bldg., Buffalo, N. Y.
Ross Heel Co., South Easton, Mass.
Ross, I., Hdwe. & Plumbing Supply Co., 1801 Carson, Pittsburg Pa.
Ross, I. R., architect, Winfield, Kans.
Ross, Ivory S., granite, Biddeford, Me.
Ross, J. A., turpentine, Surrency, Ga.
Ross, J. A., & Co., contractors, 4561 Armitage av, Chicago, I
Ross, J. J., Mill furnishing Co., Portland, Ore.
Ross, J. M., marble prod., Knoxville, Tenn.
Ross, Jas. H., masons' & bldrs.' matls., 141 Erie, Buffalo, N. Y.
Ross, John A., contractors, Frankfort, Ind.
Ross, Jos., & Co., cork screws, paper cutters, etc., Irvin ton, N. J.
Ross Lumber Co., Knoxville, Tenn., & 39 S. La Salle, Chicago, Il
Ross & McNeil, architects, 45 W. 34th, New York
Ross Machine Co., machsts. & fndrs., Lafayette, Ind.
Ross Mfg. Co., hack saw blades, 1225 Lydia, Kansas City, Mo.
Ross Mfg. Co., feed water heaters, Northville, Mich.
Ross Mfg. Co. (The), wheel truing tools for precision grindin 3160 W. 106th, Cleveland, Ohio
Ross-Mayer Mfg. Co., leather measuring machines, 1423 Oliv St. Louis, Mo.
Ross Mechanical Supply Co., mill & facty. supplies, 2 Ros Pittsburgh, Pa.
Ross-Meehan Foundries, Chattanooga, Tenn.
Ross-Moyer Mfg. Co., harness machy., Cincinnati, Ohio.
Ross, P. Sanford, contractor & dock bldr., 277 Washington, Je sey City, N. J.
Ross, R. G., contractor, Jacksonville, Fla.
Ross, R. J., Mfg. Co., fire proof doors, 4241 Ogden av, Ch cago, Ill.
Ross & Ralph, granite, Barre, Vt.
Ross & Republic Marble Co., Knoxville, Tenn.
Ross & Sawyer, contrs., Billings, Mont.
Ross Structural Iron Wks., Richmond, Va.
Ross-Tacony Crucible Co., Robins & Milner, Phila., Pa.
Ross Thos., & Bros. Soap Co., W. Mound & River, Columbus, C
Ross, Thos. Patterson, architect, 310 California, San Fran., Ca
Ross Valve Mfg. Co., 9 Oakwood av, Troy, N. Y.
Ross, W. A., & Bro., cements, stained glass substitutes, 11 S William, New York.
Ross, W. H., architect, Grand Forks, N. D.
Ross, Walter D., htg. contrs., 263 Summer, Boston, Mass.
Ross, Warren Lbr. Co., Jamestown, N. Y.
Ross & Wentworth, lbr., Bay City, Mich.
Ross, Wm., & Co., burlap bags, 407 No. Peoria, Chicago, Ill.
Ross, Wm. S., stone producers, wkrs. & dlrs., 254 Douglass Brooklyn, N. Y.
Rose & Williams, canned goods, Princess Anne, Md.
Ross-Willoughby Co., contrs.' tools & supplies, mill & facty. sup plies, 109 E. Spring, Columbus, Ohio.
Ross, Wortham Co., car ventilators, McCormick Bldg., Ch cago, Ill.
Ross & Young Mach. Co., Jefferson & McDougall avs, Detroi Mich.
Rossbach Art Glass Wks., 101 W. Broad, Columbus, Ohio.
Rossbach, J. H., & Bros., crude rubber, 55 Frankfort, New York
Rossborough, W. J., elevators, 625 Long av, Cleveland, O.
Rosseau, Chas. J., architect, 240 Grand av, San Diego, Cal.
Rosseau, S. L., architect, Avalon, Pa.
Rossell Bros., & Co., revolving chairs, 255 S. 3d, Phila., Pa.
Rossell, Geo. C., contractor, Triangle bldg, Rochester, N. Y.
Rossell, Hy, high speed steel, 24 S. Jefferson, Chicago, Ill.
Rossell, I. S., contractor, 1 Madison av, New York.
Rossell, R. G., architect, 610 Schwind, Dayton, Ohio
Rossello, P. R., architect, Congress bldg, Detroit, Mich.
Rossendale-Reddaway Belting & Hose Co., belting mfrs., New ark, N. J.
Rosser, Chas., contractor, Bellaire, Ohio.
Rosser & Maloney, contractors, Bellaire, Ohio.
Rossi Bros., Co., granite producers, Milford, N. H.
Rossi & Casellini, granite, Barre, Vt.
Rossi Saddlery Co., St. Joseph, Mo.
Rossie Iron Ore Paint Co., Ogdensburg, N. Y.
Rossie Velvet Co., Mystic, Conn.
Rossiter, E. K., architect, 15 W. 38th, New York
Rossiter, J. Morris, contractor, Wayne, Pa.
Rossiter & Muller, architects, 16 W. 38th, New York.
Rosslyn Packing Co., meat packers, Rosslyn, Va.
Rossman, Robert, Co., tile, mosaics, etc., 154 W. 49th, New Yor
Rossman, Roy G., wrapping machines tier, Seattle, Wash.

ey Contrg. Corp., Mutual Life Bldg., Buffalo, N. Y.
ille Canning Co., Rossville, Ill.
vell Hardware Co., Rosswell, N. M.
nd Mfg. Co., fire place furnishings, auto & car hardware, tc., Milford, Conn.
ell Mfg. Co., cotton sheeting, Roswell, Ga.
y Mfg. Co., water heaters, 1526 Santa Fe av, Los Angeles, al.
y Meter Co., 52 Vanderbilt av, New York.
y Tire & Rubber Co., Zanesville, Ohio.
Co., soldering flux, 38 E. 133d, New York.
A. B., & Co., steel structural wk., Lancaster, Pa.
A. L., Co., masons' & bldrs.' matls., Reading, Pa.
Adam E., brick, Pottstown, Pa.
Andrew, architect, La Crosse, Wis.
& Augspurger, machsts., Gibson City, Ill.
Blum Packing Co., meat, 1490 Fairfax, San Francisco, Cal
Bros. & Co., auto. engine starters, 1400 W. Adams, Chi ago, Ill.
Cadillac Co., auto tops, Erie, Pa.
Emery, architect, 119 W. 40th, New York.
Gottlieb, machst., 602 Beach, Philadelphia, Pa.
Henry W., contractor, Nazareth, Pa.
J. C., carriages, Lowell, Mich.
Jacob, scrap brass, 272 Clinton, Detroit, Mich.
John C., Packing Co., meat, 1010 Gest, Cincinnati, Ohio.
Joseph, & Co., knitted gloves, Toledo, Ohio.
Mfg. Co., brass & iron specialties, 1600 S. Kilbourne av, Chicago, Ill.
an, Geo. J., sash, door & blind mfrs., Peoria, Ill.
child Engine Co., 102 Centre, New York.
child, W. S., architect, Rockaway Park, N. Y.
e, Jos. F., Foundry Co., Green Bay, Wis.
enberger, D. M., archt., 140 N. Queen, Lancaster, & 34f Greenwich, Reading, Pa.
ert, Harry, cornices, 1452 Walnut, Cincinnati, Ohio.
fritz, R. E. K., stone, Asbury Park, N. J.
fuss-Howard Iron Wks., machsts. & fndrs., Williamsport, Pa.
olz, A. N., crude rubber, 123 Liberty, New York.
schild Bros. & Co., button mfrs., 1115 B'way, New York.
schild-Kuno Button Wks., 107 W. 25th, New York.
schild, Le Roy R., architect, 1225 Sansom, Phila., Pa.
schild, M., zinc, 207 Norman av, Brooklyn, N. Y.
schild, Meyers, & Co., kitchen enameled ware, 135 5th av. New York.
schild, R., scrap iron, steel & tin, 207 Norman av, Brooklyn, N. Y.
stein, Morris, architect, 1767 Pitkin av, Brooklyn, N. Y.
weiler Truck Co., Seattle, Wash.
weiler & Co., barrel pumps, 3301 1st av S., Seattle, Wash.
r, H. J., architect, Goldsmith Bldg., Milwaukee, Wis.
Co., boiler cleaners, air & water motors, Hartford, Conn.
speed Co., duplicators, Dayton, Ohio.
house, Chas. A., carriages, Edgemoor, Del.
, A., cornices, 206 High, Buffalo, N. Y.
ce, J. S., machst. & fndr., Ellsworth, Wis.
d, D., & Son, chains & hoists, Penn. R. R. & Henry, Cleveland, Ohio.
d, Harry W., machst. & fndr., Traverse City, Mich.
d Mountain Mining Co., gold & silver alloys, metals & ores.
Montgomery, San Francisco, Cal.
d Rock Broom Co., Round Rock, Tex.
d Top Glass Sand Co., Hagerstown, Md.
ds Elec. Co., decorative elec., lighting, 44 Boylston, Boston, Mass.
ds, T. W., Co. (Ltd.), harness mfrs., 48 Washington, Providence, R. I.
dup Coal Mining Co. (The), Omaha, Neb.
sville, F. G., masons' & bldrs.' matls., Fowlerville, Mich.
tree, H. W., & Bro. Trunk & Bag Co., Richmond, Va.
e-Bertrand Fils, oils, 18 Cedar, New York.
ke Bros. Co., cornices, 834 Grand av, New Haven, Conn.
ke, Henry L., architect, Hildreth Bldg., Lowell, Mass.
ke, Jno., & Sons, mill & facty. supplies, Savannah, Ga.
e Constr. Co., Poughkeepsie, N. Y.
e, Geo., & Son, contractors, Canandaigua, N. Y.
e & Goldstone, architects, 40 W. 32d, New York.
e, H. B., & Co., machsts., 2214 Ward, Chicago, Ill.
e, J. S., lumber, Limaburg, Ky.
e & Phillips, lbr. mfrs., West Oneonta, N. Y.
eville Supply Co., mill, facty. & oil well supplies—wholesale hdwe., Rouseville, Pa.
s, C. B., wholesale hdwe., 549 B'way, New York.
seau, A. F., & C. M., archts., 110 Sutter, San Francisco, Cal.
seau & Rousseau, architects, 110 Sutter, San Fran., Cal.
h, W. C., & Co., meat packers, Logansport, Ind.
t Bros., contrs., Sullivan, Ind.
t, W. A., & Son, contrs., Washington, Ind.
r, A. B., water motors, Binghamton, N. Y.
, E. T., & Son, sash, door & blind, Plant City, Fla.
Granite Co., Barre, Vt.
er, John, Co., contractors, 71 Wyandot, Dayton, Ohio.
& Davis Engnrs., Inc., naval architects and engineers, 90 West, New York. *See adv index at end of book.*
an Controller Co., electric controller mfrs., 308 N. Holliday, Baltimore, Md.

Rowan County Freestone Co., Farmers, Ky.
Rowan, Hy. A., Jr., machst., 2036 Sansom, Philadelphia, Pa.
Rowan, James F., 7 Water, Boston, Mass.
Rowan, P. P., Co., Ltd., whol. hdwe., 920 Peridido, New Orleans, La.
Rowat Cut Stone Co., Des Moines, Ia.
Rowbottom Machine Co. (The), bench power presses, cam milling machines, cams, disc grinders, etc., Waterbury, Conn., factory, Waterville, Conn.
Rowe, A. C., & Son, watchmen's portable clocks, 78-80 Reade, New York.
Rowe, A. E., contractor, Kansas City, Kans.
Rowe Calk & Chain Co., Plantsville, Conn.
Rowe Contracting Co., Chestnut Hill av, Boston, Mass.
Rowe, E. H., lumber, Achilles, Va.
Rowe, E. L., & Son, contractors' tents, flags, hammocks, etc., Gloucester, Mass.
Rowe, Frank E., architect, New Milford, Conn.
Rowe, Geo., & Son, saws, 121 W. 2d, Cincinnati, Ohio.
Rowe & Giles Lumber Co., Chagrin Falls, Ohio.
Rowe, Henry, Mfg. Co., automatic wood turnings, Newaygo, Mich.
Rowe, Jas., machst., 1058 W. Harrison, Chicago, Ill.
Rowe, John A., cut stone Co., Bedford, Ind.
Rowe, Joseph W., architect, 1915½ Main, Dallas, Tex.
Rowe, L. L., furnace regulators, washers, etc., 74 Portland, Boston, Mass.
Rowe, M. A., machst. & fndr., Martinsville, Ill.
Rowe Mfg. Co., farm gates, hog oilers, Galesburg, Ill.
Rowe, R. H., architect, Amer. Bank bldg, Seattle, Wash.
Rowe Ring-Point Co., case hardening compounds & welding plates, Hartford, Conn.
Rowe Sanitary Mfg. Co., chemical closets, 210 6th av, Detroit, Mich.
Rowe, Thomas F., archt., 518 Main, Worcester, Mass.
Rowe, W. A., & Co., fertilizer, Comer, Ga.
Rowekamp, Bernard J., steel structural wk., 2620 Colerain av, Cincinnati, Ohio.
Rowell, D. G., machy., Appleton, Wis.
Rowell, F. P., masons' & bldrs.' matls., Newport, N. H.
Rowell, G. D., & Son, car movers & pushers, Appleton, Wis.
Rowell, I. B., Co., agricultural implements, Waukesha, Wis.
Rowell, J. C., contractor, Petersburg, Va.
Rowell Mfg. Co., melting furnaces, Appleton, Wis.
Rowell & Plummer, contractors, Concord, N. H.
Rowell, W., lumber mfr., Sunapee, N. H.
Rowell & Collins C., architects, Spreckels bldg, San Francisco, Cal.
Rowena Stone & Sand Co., Johnstown, Pa.
Rower Beine Paint Mfg. Co., 1524 N. 15th, St. Louis, Mo.
Rowe's, Robt., Sons, carriages & wagon wheels, Brentwood, N. H.
Rowesville Oil Co., meal, Rowesville, S. C.
Rowland, Alonzo, contractor, 4322 Pechin, Rox., Phila., Pa.
Rowland Bros., masons' & bldrs.' matls., Bevier, Mo.
Rowland, Chas. P., glass stainers, Binghamton, N. Y.
Rowland, David, architect, Conestoga bldg, Pittsburgh, Pa.
Rowland, Geo. M., architect, St. Nicholas bldg, Pittsburgh, Pa.
Rowland, John B., fertilizer mfr., Monmouth Junction, N. J.
Rowland, John R., charcoal, Clementon, N. J.
Rowland, John T., Jr., architect, 100 Sip av, Jersey City, N. J.
Rowland Lbr. Co., Norfolk, Va.
Rowland Mfg. Co., storm sash hangers, Denver, Colo.
Rowland Sheet Iron & Cornice Wks., 3713 Cass av, St. Louis, Mo.
Rowland, T. T., & Son, agricultural implements, Tuscumbia, Ala.
Rowland, Wm., & Harvey, springs, Tacony & Lewis, Phila., Pa.
Rowlands, John C., architect, Homestead, Pa.
Rowlands Power Consolidated Collieries Co., 221 So. 6th, Terre Haute, Ind.
Rowles, E. W. A., Co., church & school furniture, 2345 S. La Salle, Chicago, Ill.
Rowlett, B. J., architect, Old Dominion Trust bldg., Richmond, Va.
Rowley Bros., contractors, 812 W. 63d, Chicago, Ill.
Rowley, C. B., contractor, Brainerd, Minn.
Rowley, Frank G., Co., contractor, Pawtucket, R. I.
Rowley, John F., architect, 477 5th av, New York.
Rowley, Wm. M., & Co., lumber mfrs., Cuba, N. Y.
Rowlingson, D. E., machy. dirs., Utica, N. Y.
Rownson, Drew & Clydesdale, Inc., iron & steel, 80 Wall, New York.
Rowntree, Jno. T., metals, Denver, Colo.
Rowton, H. A., roll coverers, Fitchburg, Mass.
Roxbury Construction Co., 18 Clifton, Boston, Mass.
Roxbury Iron & Metal Co., scrap iron, 140 Granite av, Dorchester, Mass.
Roxbury Shoe Thread Co., 35 Wormwood, Boston, Mass.
Roxton Cotton Oil Co., meal, Roxton, Tex.
Roy, B. S., & Son Co., textile machy., etc., Worcester, Mass.
Roy Bros., lbr. mfrs., East Barnet, Vt.
Roy & Dye, flour mills, Mintonville, Ky.
Roy, Dennis, contr., Manchester, N. H.
Roy, E. B., Lumber Co., Seattle, Wash.
Roy Engng. & Iron Wks., machsts. & fndrs., 51 Otsego, Brooklyn, N. Y.
Roy, J. A., brick, Lafayette, La.
Roy, J. G., & Sons, contrs., Springfield, Mass.

Roy, Melvin S., architect, Mt. Clemens, Mich.
Roy & Titcomb, mill & facty. supplies, Nogales, Ariz.
Roy Watch Case Co., 81 Prospect, Brooklyn, N. Y.
Roy Woolen Co., carriage robes, Watervliet, N. Y.
Royal Art Glass Co., 243 Canal, New York.
Royal Blue Slate Co., roofing slate mfrs., Slatedale, Pa.
Royall & Borden, cotton felts, Goldsboro, N. C.
Royal Brass Mfg. Co., machsts. & fndrs., 1417 E. 43d, Cleve., O.
Royal Bronze Ink Co., 5144 Irving, Philadelphia, Pa.
Royal Button Wks., 13 W. 17th, New York, & 505 Market, Philadelphia, Pa.
Royal Cedar Co., Marysville, Wash.
Royal Chair Co., Sturgis, Mich.
Royal Chandelier Works, Allentown, Pa.
Royal Chemical Co., platers' & polishers' compounds, alkali, soap, etc., Phenix, R. I.
Royal China Co., Sebring, Ohio.
Royal Comb. Co., celluloid combs, Leominster, Mass.
Royal Constr. Co., 160 W. Jackson, Chicago, Ill.
Royal Display Fixture Co., 812 B'way, New York.
Royal Elec. Co., lightning arresters, Sidney, Ohio.
Royal Elec. Mfg. Co., 556 E. 40th, switches, Chicago, Ill.
Royal Enameling Mfg. Co., metallic shades, car signs, Des Plaines, Ill.
Royal Fibre Co., brake bands, W. Somerville, Mass.
Royal Gas Light Co., 18 W. Kinzie, Chicago, Ill.
Royal Glue Co., 210 N. S. W., Washington, D. C.
Royal Heating Co., 280 Minna, San Francisco, Cal.
Royal Iron & Mfg. Co., Big Prairie, Ohio.
Royal Knitting Mills, sweaters, etc., 846 W. Jackson Blvd., Chicago, Ill.
Royal Lace Paper Works, 842 Lorimer, Brooklyn, N. Y.
Royal Lamp Co., Cleveland, Ohio.
Royal Lamp Shade Co., 39 E. 19th, New York.
Royal Mfg. Co., cotton waste, Rahway, N. J.
Royal Mfg. Co., frying baskets, pot covers, 406 Commerce, Philadelphia, Pa.
Royal Mfg. Miller-Hoefer Co., silver nov., 89 Jefferson av, Detroit, Mich.
Royal Metal Furniture Co., 125 8th, Brooklyn, N. Y.
Royal Metal Mfg. Co., metallic furniture, 2318 S. Western av, Chicago, Ill.
Royal Milling Co., flour, Nashville, Tenn.
Royal Mills, bags & bagging, Charleston, S. C.
Royal Motor Truck Co. of N. Y., 112 8th av, New York.
Royal Music Roll Co., 2964 Main, Buffalo, N. Y.
Royal Packing Co., canned goods, Los Angeles, Cal., Milton, Del., & Windfall, Ind.
Royal Polishing Wks., 255 Centre, New York.
Royal River Mfg. & Power Co., bags, twine, etc., Yarmouth, Me.
Royal River Packing Co., canned goods, Portland, Me.
Royal Steam Heater Co., Gardner, Mass.
Royal Stove Co., stove mfrs., Spring City, Pa.
Royal Telephone Co., binding posts, Milford, Ind.
Royal Textile Co., cotton waste, 200 Congress, Boston, Mass.
Royal Typewriter Co., 366 B'way, New York.
Royal Varnish Co., Toledo, Ohio.
Royal Ventilator Co., 415 Locust, Philadelphia, Pa.
Royall Cotton Mills, Wake Forest, N. C.
Royden Marble Machy. Co., 137 E. 25th, New York.
Roydhouse, Arey, Co., contractors, Fidelity Bldg., Phila., Pa.
Royer, Chas., brick, Belle Center, Ohio.
Royer, Jos. W., architect, Flatiron Bldg., Urbana, Ill.
Royer & Zwiebel, governors—electric hoist, Wilkes-Barre, Pa.
Royersford Foundry & Machine Co., machy. mfrs., Royersford, Pa.
Royle, John, & Sons, machsts., Paterson, N. J.
Roys Heat Control Co., 913 Gates av, Brooklyn, N. Y.
Royse Oil Mill Co., meal, Royse, Tex.
Royster, F. S., Guano Co., fertilizer mfrs., Columbus, Ga., & Norfolk, Va.
Royston Guano & Warehouse Co., Royston, Ga.
R. P. K. Pressed Metal Co., shoe-trees & sheet metal stamping, Bridgeport, Conn.
R. R. Sign Co., Dayton, Ohio.
R. & S. Mach. Co., 24 L, S. Boston, Mass.
Rubber Fibre Co., sheet packing & shoe cover mfrs., 560 First, Boston, Mass.
Rubber Goods Mfg. Co., B'way & 58th, New York.
Rubber Insulated Metals Corp., pliers, screw-drivers, Plainfield, N. J.
Rubber & Metal Supply Co., 157 South, New York.
Rubber Paint Co., paint mfrs., c. Warner & Wooster, Baltimore, Md.
Rubber Products Co., Barberton, Ohio.
Rubber Regenerating Co., rubber (reclaimed), Mishawaka, Ind.
Rubber Roofing Mfg. Co., 5 Cortlandt, New York.
Rubber Stopple Co., rubber goods, West av, Long Island City, N. Y.
Rubber Sundries Co., mill & facty. supplies, 1387 W. 9th, Cleveland, Ohio.
Rubber Trading Co., 9 Murray, New York.
Rubber Waste Co., 152 Lincoln, New York.
Rubberhide Co., rubber boots, 212 Essex, Boston, Mass.
Rubberset Co., auto. tire preserver, roofing & carbon brushes etc., 56 Ferry, Newark, N. J.
Rubel Loose Leaf Mfg. Co., 314 W. Superior, Chicago, Ill.
Rubelman, G. A., Hdwe. Co., 907 N. 6th, St. Louis, Mo.
Rubelmann, Lucas, Hdwe. Co., 1939 N. B'way, St. Louis, Mo.
Rubendall, E. I., contr., Freeport, Ill.
Rubens Paint & Glass Co., Inc., Richmond, Va.
Rubenstein, H., & Co., mattresses, 640 W. 14th, Chicago, Ill.
Rubenstein, L., jewelry cases, 380 Lafayette, New York.
Rubes Elec. Devices, elec. & gas light portables, 255 Classon av, Brooklyn, N. Y.
Rubin Iron Wks., machsts. & elec. welding, Jacksonville, Fla.
Rubin, Jacob, plate glass, 11 James, New York.
Rubin & Ve Shancey, architects, Union Arcade, Pittsburgh, Pa.
Rubinow Edge Tool Wks., 35 Vesey, Newark, N. J.
Rub-No-More Co., acids, soap, Ft. Wayne, Ind.
Ruboil Belting Co., 8th & Wallace, Philadelphia, Pa.
Rub-On Mfg. Co., valve reseating tools, 216 Niagara, Buffalo N. Y.
Rubottom Plow Fcty., machsts., Felton, Cal.
Rubsam, W. A., stone producers, Springfield, Ohio.
Rubush & Hunter, architects, Amer. Cent. Life Bldg., Indianapolis, Ind.
Ruby Carriage Co., Louisville, Ky.
Ruby Chemical Co., soldering flux, 70 McDowell, Columbus, Oh.
Ruby, Geo. H., Hardware Co., Oneida, N. Y.
Ruby Lumber Co., masons. & bldrs.' matls., Madisonville, Ky
Ruby Mfg. Co. See Case Mfg. Co. (successor).
Ruby, R. B., masons' & bldrs.' matls., Oneida, N. Y.
Ruch Auto Top Co., auto. trunks, Mt. Vernon, N. Y.
Ruch, John, cornices, Richmond, Ind.
Ruckel Art Glass Co., Pugh Bldg., Cincinnati, Ohio.
Ruckel, J. H., & Son, mill & facty. supplies, 81 Main, Buffalo N. Y.
Rucker, Benton & Co., flour mills, Waco, Ky.
Rucker Bros., lumber mfrs., Lake Stevens, Wash.
Rucker, J. B., & Son, flour, Troup, Tex.
Rucker Quarries, stone producers, Greenfield, Ohio.
Ruckman Bros., fertilizer mfrs., New Brunswick, N. J.
Rud, C. O., wagons, Lansing, Ia.
Ruddell, Geo. W., Co., contractors, 30 W. 42d, New York.
Rudder Publishing Co., 9 Murray, New York.
Ruddock Orleans Cypress Co., Carrollton av & New Basin, New Orleans, La.
Ruddock Yacht Wks., 213th & Harlem River, New York.
Ruddy, J. P., Co., mill & facty. supplies, Tacoma, Wash.
Ruddy, M. J., contractor, Scranton, Pa.
Rude, C. O., masons' & bldrs.' matls., South Bend, Wash.
Rude Mfg. Co., agricultural implements, Liberty, Ind.
Rudge Jno. Foundry Co., Port Huron, Mich.
Rudgear-Merle Co., machsts. & fndrs., 198 Bay, San Francisco, Cal.
Rudman & Scofield, tinware, mfrs., 277 Pearl, New York.
Rudolf Piano Co., 220 So. Blvd, New York.
Rudolph & Son Co., cornices, skylights, 416 Prospect av, N. W., Cleveland, Ohio.
Rudolph & West Co., wholesale hdwe., 1332 New York av, Washington, D. C.
Rudolph, Wm. F., experimental & models wk., 1308 Girard av, Philadelphia, Pa.
Rudy Bros. Co., glass stainers, Highland & Center, Pittsburgh, Pa.
Rudy Brown Co., brooms, Madisonville, Ky.
Rudy, Jno. A., & Son, advtg. novelties, Carlisle, Pa.
Rue, F. E., architect, 1610 Alamo, Houston, Tex.
Rue, John C., masons' & bldrs.' matls., Gallipolis, Ohio.
Rue Mfg. Co., boiler washing systems & injectors, 228 Cherry, Philadelphia, Pa.
Rue Mfg. Co., washing mach., Ambay, Minn.
Buebel, Jno, Constr. Co., 1876 Hanfield, N. S., Cincinnati, Ohio.
Rueckert, Jacob J., architect, Blymyer bldg., Cincinnati, Ohio.
Rueckert Mfg. Co., jewelry cases, 162 Clifford, Providence, R. I.
Ruecking Const. Co., contrs., Marine av & Gasconade, St. Louis, Mo.
Reudlinger, C. N., landscape architect, St. Louis Pk., Minneapolis, Minn.
Ruedy Bros., meat packers, Toledo, Ohio.
Ruegg Bros., contractors, Pacific Bldg., San Francisco, Cal.
Ruehle, E. G., & Co., architects' instruments & supplies, 119 Fulton, New York.
Ruehle, John, fertilizer mfr., Defiance, Ohio.
Ruehrmund, Max E., architect, Allison bldg, Richmond, Va.
Ruemmeli-Dawley Mfg. Co., machsts. & fndrs., 3900 Chouteau av, St. Louis, Mo.
Ruesch, H. J., Mach. Co., 407 Mulberry, Newark, N. J.
Ruese, E. F., Sidney, Ohio.
Rueth, Jos., archl. iron, 462 10th av, New York.
Ruf, Herman P., machsts., 93 Crosby, New York.
Ruff, E. G., canned goods, Delta, Pa.
Ruff & Rehmeyer, canned goods, Woodbine, Pa.
Ruffini, Oscar, architect, San Angelo, Tex.
Rugby Milling Co., flour, Rugby, N. D.
Ruge Bros. Canning Co., Apalachicola, Fla.
Ruger, J. W., Mfg. Co., engines, Buffalo, N. Y.
Ruger, Louis, cornices, 1603 N. 4th, Philadelphia, Pa.
Rugg, C. H., Co., plate glass, sash, door & blind mfrs., Rochester, N. Y.
Rugg, C. H., Co., sash, door & blind mfrs., 101 Park av, New York.
Rugg Construction Co., Syndicate Trust Bldg, St. Louis, Mo.
Rugg, E. T., & Co., halters & rope, Newark, Ohio.

Mfg. Co., wood handles, Greenfield, Mass.
les-Coles Engineering Co., dryers, 50 Church, New York.
les-Klingemann Mfg. Co., steamfitters' supplies, 10 High, Salem, Mass.
les, L. H., architect, Tulsa, Okla.
les Mach. Co., machsts. & fndrs., Poultney, Vt.
les, Walter G., Co., exhaust heads, 10 High, Boston, Mass.
Geo. W., trunks, Bloomington, Ill.
& Lange, architects, 10 N. 6th, Allentown, Pa.
Geo. S., carriages, Bucyrus, Ohio.
John C. W., architect, 3157 Hull av, New York
J. W., stone producers, Covington, Ohio.
, Christian, masons' & bldrs.' matls., Kankakee, Ill.
iann, G. E., furnaces, Schulenburg, Tex.
twork Co., sheet metal workers, machines & tools, St. Marys, Ohio.
Bros. Mfg. Co., Ltd., masons' & bldrs.' matls., Boscobel, Wis.
Carleton Co., tannery machy., Olean, N. Y.
Geo. B., contractor, New Brunswick, N. J.
son, J. W., architect, Jamestown, N. Y.
nan & Wilson, marble exterior wk., Lafayette E. of Mt. Royal, Baltimore, Md.
son, A. C., Co., manufacturers' agents steel products. Monadnock bldg., San Francisco, Cal.
ly, M., Co. See Advance Rumely Thresher Co., Inc. (successor).
ery, F. A., Co., contractors, Portland, Me.
ford Metal Co., aluminum alloys, 200 5th av, New York.
ley, C. & G., lbr., York, Ala.
ey, Leo, Tractor Co., La Porte, Ind.
nel, H. F. L., sashes, doors & blinds, Reading, Pa.
nell, Richard W., Jr., archit., Courtenary, Florida.
nler, Wm. B., mfrs. interior hardwood wk., 367 W. 11th, New York.
o, Fred J., contractor, Fort Wayne, Ind.
op, C. F., & Sons, advtg. nov. & spec., 5th & Cherry, Philadelphia, Pa.
rill & Co., seamless tin boxes, 52 Purchase, Boston, Mass.
sey, C. J., & Co., wholesale hdwe., Ithaca, N. Y.
sey, L. M., Mfg. Co., plumbers', mill & facty. supplies, 4372 Westminster, St. Louis, Mo.
sey Pump Co., Ltd., Seneca Falls, N. Y.
sey Pump & Machine Co., 75 Warren, New York.
e, Otto, architect, 4831 Barry av, Chicago, Ill.
io, Nelson L., fndrs., Williamsport, Pa.
le, A. J., mill & facty. supplies, Iron Mountain, Mich.
le, Geo., contr., Yonkers, N. Y.
le Mfg. Co., machsts. & fndrs., 27th & Wahl, Milwaukee, Wis.
le Novelty Co., children's vehicles, 142 N. 3rd, Columbus, O.
lle-Spence Mfg. Co., plumbers,' mill & facty. supplies, mfrs. & jobbers, 63 2d, Milwaukee, Wis.
quist, C. E., contr., Galesburg, Ill.
e, H., & Co., machy. dlrs., Cuero, Tex.
ons, R. W., & Co., bldg. contrs., Superior, Wis.
ells, O. E., masons' & bldrs.' matls., Lawrence, Mass.
iels, E. A., & Co., games, toys, etc., 111 Sumner, Boston, Mass.
ier, D. M., contractor, Corning, N. Y.
uist, Jno., bldg. contr., Duluth, Minn.
kool Metal Co., 1095 Niagara, Buffalo, N. Y.
an, C. C., & Son, cornices, Mansfield, Ohio.
an & Co., lumber, Pensacola, Fla.
an Mfg. Co., grease pumps, Grand Rapids, Mich.
on, A. D., fertilizer mfr., Millington, N. J.
on Bros., boxes (tobacco), Eaton, Ohio.
on, J. D., Mfg. Co., 190 1st, Jersey City, N. J.
on & Ogden Co., htg. contrs., Binghamton, N. Y.
el-Lenz Elec. Mfg. Co., tel. cords, tips, etc., 1751 N. Western av, Chicago, Ill.
rt Edward P., architect, 154 W. Randolph, Chicago, Ill.
rt, G. G., gun cleaning tools, Decatur, Ill.
Bros., Inc., architects, 189 Montague, Brooklyn, N. Y.
, Geo., & Bros. Co., scrap iron & steel, Quincy, Ill.
, Geo., Packing Co., meat packers, Hamilton, Ohio.
, Harry R., masons' & bldrs.' matls., Egg Harbor, N. J.
, J. J., lbr. mfrs., Saginaw, Mich.
, John J., stone, 2135 Fillmore, Buffalo, N. Y.
, Jos. F., Bldg. & Contr. Co., 1901 E. Warne av, St. Louis, Mo.
Mfg. Co., machsts., Hagerstown, Md.
, Michael, & Co., nautical instruments, 112 Broad, New York.
ert, R. A., Co., cornices, Holyoke, Mass.
echt Elec'l. Co., rectifiers, Cleveland, Ohio.
echt, W. & F., contrs., 8011 S. B'way, St. Louis, Mo.
ight Bros., masons' & bldrs.' matls., Van Wert, Ohio.
he, J. P., contractor, Grand Rapids, Mich.
, E., & Rush, architects, Tulsa, Okla.
Eraser Co., Syracuse, N. Y.
, Frank H., contractor, 393 Greene av, Brooklyn, N. Y.
, Frank W., lbr., Millinocket, Me.
, H. G. Cooperage Co., tight wooden barrels, Oil City, Pa.
, John H., contractor, Pottstown, Pa.
Machine Co., 1305 Dorr, Toledo, Ohio
Motor Truck Co., 1014 N. Front, Philadelphia, Pa.

Rushton-Carroll Co., waste end conveyors, 34 Tudor, Cambridge, Mass.
Rushton Cotton Mills, Griffin, Ga.
Rushton, J. H., motor boat bldrs., Canton, N. Y.
Rushton, J. W., sash, door & blind, Canton, N. Y.
Rushton, Sidney P., canoes, boat oars, Canton, N. Y.
Rusbworth, George, archit., 354 Pine, San Francisco, Cal.
Rushworth & Son, machsts., Jamestown, N. Y.
Rusk Bros., masons' & bldrs.' matls., Mansfield, Ohio.
Rusk County Lbr. Co., Henderson, Texas.
Rush, F. S., architect, 16 S 3rd, Columbus, Ohio
Rusler, H. B., Mfg. Co., machinists, Johnstown, Ohio.
Rusling Co., steel tanks & towers, 39 Cortlandt, New York.
Russ, C., & Co., carriages, 263 Northampton, Boston, Mass.
Russ Co., faucets, plugs, pumps, refrigerators, 5700 Walworth av, Cleveland, Ohio.
Russ, Herman H., & Sons, steamfitters' supplies, Albany, N. Y.
Russ Lumber & Mill Co., San Diego, Cal.
Russ, W. E. architect, 313 N. Penn, Indianapolis, Ind., & Furniture bldg, Evanston Ind.
Russ, Z., lbr., Brownville, Fla.
Russe & Burgess, lumber, Memphis, Tenn.
Russel, L. E., architect, 25 N. Dearborn, Chicago, Ill.
Russell Coal Mining Co., bituminous, Clymer, Pa.
Russell Motor Axle Co., Chene & B. L. R. R., Detroit, Mich.
Russell Wheel & Foundry Co., car builders, Chene & Bl. R. R., Detroit, Mich.
Russell, A. N., & Sons Co., store fixtures, Ilion, N. Y.
Russell, Albert, & Sons Co., mill & facty. supplies, Newburyport, Mass.
Russell, Ambrose J., architect, Nat'l Realty Bldg., Tacoma, Wash.
Russell, Benton S., architect, Tarrytown, N. Y.
Russell Box Co., folding paper boxes, Chelsea, Mass.
Russell Bros., carriages, Lexington, Mo.
Russell Bros. & Estes Co., turned wood nov., etc., Farmington, Me.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Russell, F. N., architect, 42 Blue Hills Parkway, Mattapaw, Mass.
Russell, C. H., architect, Story Bldg., Los Angeles, Cal.
Russell Car & Snow Plow Co., Ridgway, Pa.
Russell Chemical Co. (Ltd.), Russell, Pa.
Russell & Co., agricultural implements, Massillon, Ohio.
Russell Constr. Co., Superior, Wis.
Russell, Daniel, Boiler Wks., steel plate wk., 93 Boston, Boston, Mass.
Russell, E. L., Co., storage battery charging sets, State Life Bldg., Indianapolis, Ind.
Russell, Edw. G., machst., Chesham, N. H.
Russell Elec. Co., fire alarms, Danbury, Conn.
Russell Elect. Co., heaters, irons, stoves, toasters, etc., 140 W. Austin, Chicago, Ill.
Russell & Erwin Mfg. Co., hdwe. mfrs., New Britain, Conn., & 96 Lafayette, New York.
Russell Fdry. & Mach. Wks., 51 6th, Long Island City, N. Y.
Russell, Frank B., lbr. mfrs., Louisville, Ky.
Russell, Frank, Glove Co., Berlin, Wis.
Russell, Frederick A., archit., 336 4th av, Pittsburg, Pa.
Russell, G. A., contractor, Bloomington, Ill.
Russell, G. E., & Co., mill & facty. supplies, Holyoke, Mass.
Russell Grader Mfg. Co., 2005 Univ. av, S. E., Minneapolis, Minn.
Russell, H. B., architect, 9 Park, Boston, Mass.
Russell, H. J., auto. windshields, Worcester, Mass.
Russell Hardware Co., McAlester, Okla.
Russell & Harn, architects, 25 West 42nd, New York.
Russell, J. C., cornices & skylights, Columbus, Ga.
Russell, J. C., Shovel Co., 336 4th av, Pittsburgh, Pa.
Russell, J., & Co., wholesale hdwe. & mill & facty. supplies & automobile accessories, Holyoke, Mass.
Russell, J. M., architect, Lumberton, N. C.
Russell, J. M., Mfg. Co., machsts. & fndrs., Naugatuck, Conn.
Russell, J. N., Lumber Co., Bowling Green, Ky.
Russell, Jas., Boiler Wks. Co., 307 C., Boston, Mass.
Russell, Jas., Co., meat, Ogden, Utah.
Russell & Jennison Co., contractors, 2463 B'way, Toledo, Ohio.
Russell, John B., Knife Wks., Napanoch, N. Y.
Russell, Jno., Cutlery Co., Turners Falls, Mass.
Russell, Jno. W., & Sons Co., mill & facty. supplies, Springfield, Mass.
Russell-Kinkaid Co., water softeners, 140-146 W. Austin av, Chicago, Ill.
Russell Knitting Wks., gloves & mittens, Springfield, Mass.
Russell, L. R., mattresses, Bay City, Mich.
Russell, Lewis H., architect, 3916 N. H. av, N. W., Wash., D. C.
Russell, M. C., contractor, Springfield, Ohio.
Russell Machine Co., 28th & A. V. R. R., Pittsburgh, Pa.
Russell Mfg. Co., belting, halters & cotton webbing, Middletown, Conn.
Russell Mfg. Co., machsts., Greenfield, Mass.
Russell Mfg. Co., rubber clock absorbers, 349 B'way, New York.
Russell-Miller Milling Co., flour, Minneapolis, Minn.
Russell Milling Co., flour, Russell, Kans.
Russell, O. W., advtg. counsellors, 537 S. Dearborn, Chicago, Ill.
Russell & Palmer, mill & facty. supplies, Batavia, N. Y.
Russell, Percy, electric-Dental machy., 12 E. 23d, New York.
Russell Playing Card Co., Milltown, N. J.
Russell & Pugh Lbr. Co., Harrison, Idaho.

Russell, Robert G., flour, South Lowell, N. C.
Russell & Russell, mattresses, South Bend, Ind.
Russell, Sam'l C., contractor, 185 Church, New Haven, Conn.
Russell Ship Bldg. Co., Portland, Me.
Russell Specialty Mfg. Co., fibre specialties, 2944 W. Lake, Chicago, Ill. *See adv index at end of book.*
Russell, Stanislaus, architect, 11 E. Lexington, Baltimore, Md.
Russell & Stoll Co., junction boxes, lamps, plugs, etc., 17 Vandewater, New York.
Russell, Thos. N., lumber, Lacey, Wash.
Russell & Trieber, stone producers, Elgin, Ill.
Russell, W. A., & Co., steam & plumbing specialties, 63 West 37th, New York.
Russell, W. C., Mocassin Co., Berlin, Wis.
Russell, W. H., Co., contrs., New Brighton, N. Y.
Russell, W. L., Box & Lbr. Co., McKees Rocks, Pa.
Russell, W. L., & Son, canned goods, Mila, Va.
Russell, W. R., & Co., crude rubber, 138 Front, New York
Russell & Watson, lamps, 225 Washington, Buffalo, N. Y.
Russell, Wm. J., architect, 73 W 46th, New York
Russell, Wm. J., & Co., contractors, 58 W. Wash., Chicago, Ill.
Russell Wheel Co., Dertoit, Mich.
Russell Wind Stacker Co., 1001 Shelby, Indianapolis, Ind.
Russellville Iron Works, Russellville, Ark.
Russellville Packing Co., Russellville, Ohio.
Russett, J. P., architect, 2039 26th av No., Seattle, Wash.
Russia Cement Co., belt-dressing, Gloucester, Mass.
Russin & Hanfling, willow ware mfrs., 114 W. 28th, New York.
Rust Engineering Co., contrs., Keenan Bank Bldg., Pittsburgh, Pa.
Rust, Lawrence, & Sons, cornices & skylights, Newport, Ky.
Rust & Olin, lumber mfrs., Ellicotville, N. Y.
Rust-Owen Lumber Co., Drummond, Wis.
Rust Proof Roller Window Screen Co., Clyde, Ohio.
Rust Resisting Black Finish Co., Bridgeport, Conn.
Rust & Swift, contrs., St. Louis, Mo.
Ruston Fndry. & Mach. Shop, Alexandria, La.
Ruston, Geo. J., contrs., Syracuse, N. Y.
Ruston Hardware & Furn. Co., Ltd., Ruston, La.
Ruston Mfg. Co., lumber, Ruston, La.
Ruston Oil Mill & Fertilizer Co., Ruston, La.
Rutan, John W., masons' & bldrs.' matls., 1305 Arch, Phila., Pa.
Rutan & Russell, architects, Magee Bldg., Pittsburgh, Pa.
Rutenber Motor Co., gasoline motors & engines, Marion, Ind.
Rutger, Bleecher, flour potato, 87 Wall, New York.
Rutgers College, engng. school & coll., New Brunswick, N. J.
Ruth, Ario A., contractor, Hazleton, Pa.
Ruth, B. F., & Co., putty—glaziers' & painters', Reading, Pa.
Ruth Glass Co., glass rods, tubing, etc., Conshohocken, Pa.
Ruth, J. F., cornices & skylights, 4249 Easton av, St .Louis, Mo.
Ruth Lumber Co., Poplar Bluff, Mo.
Ruth Mach. Co., tex. machy., York, Pa.
Ruth Mfg. Co., machsts. & brass fndrs., Ruth, N. C.
Ruth, Perry W., & Co., contrs., Norfolk, Va.
Rutherford, A. N., Inc., mason bldrs., New Britain, Conn.
Rutherford Bros. Co., elec. & gas light fixtures, Muncie, Ind.
Rutherford, Chas. W., masons' & bldrs.' matls., Chillicothe, O.
Rutherford & Co., brick, Augusta, Ga.
Rutherford, D. W., dock bldrs., Tacoma, Wash.
Rutherford, F. D., archt., McIntyre Bldg., Salt Lake City, Utah.
Rutherford, Geo. A., Co., contractors, 2160 E. 18th, Cleve., O.
Rutherford, Herman C., archt., 316 N. Wash. av, Scranton, Pa.
Rutherford, I., stone producers, Dowagiac, Mich.
Rutherford, J., & Son, stoves, heaters, Akron, Ohio.
Rutherford Paper Co., paper bags, Tarentum, Pa.
Rutherford, Wm., wall paper cleaners, 2433 Leland av, Chicago, Ill.
Ruthven, R. C., contractor, Scranton, Pa.
Rutland Canning Co., Rutland, Ohio.
Rutland Fire Clay Co., Rutland, Vt.
Rutland Fire Clay Co., wall plaster mfrs., 550 W. 12th, Chicago, Ill.
Rutland Mach. & Auto. Co., Rutland, Vt.
Rutledge, A. E., contractor, Rockford, Ill.
Rutledge Co., wall ties, 618 Michigan av, Detroit, Mich.
Rutledge, Edward, Timber Co., Coeur d'Alene, Idaho.
Rutledge, Geo., Co., signs, 309 E. 22d, New York.
Rutledge, Hugh E., masons' & bldrs.' matls., Martinsville, Ind.
Rutledge Oil Co., Rutledge, Ga.
Rutley Construction Co., Chamber of Commerce bldg., Detroit, Mich.
Rutschman, Oscar F., toilet soap machy., soap makers, presses, etc., 1906 E. Westmoreland, Philadelphia, Pa.
Ruttenber Electric Co., machsts. & fndrs., Logansport, Ind.
Ruttenberg Bros., scrap iron dealers, Reading, Pa.
Ruud Mfg. Co., water heaters, 29th & Smallman, Pittsburgh, Pa.
R. U. V. Co., Inc., quartz lamps, sterilizers, etc., 165 B'way, New York.
Ruv Sterilizers, 50 Broad, New York.
Ruvio Elec. Co., cooking app. & water sterilizers, 50 Broad, New York.
Ruwell, Wm. F., packing mfrs., 719 Noble, Philadelphia, Pa.
Ruxton, Philip, printing inks, 220 W. 42d, New York.
Ryan-Allen Lumber Co., Vancouver, Wash.
Ryan Co., contractors, 4500 W. Division, Chicago, Ill.
Ryan Contracting Co., Charlestown, Boston, Mass., & Portland, Ore.



Ryan Cotton Oil Co., meal, Ryan, Okla.
Ryan-Cushing Co., school bags, 126 Summer, Boston, Mass.
Ryan, D. J., Construction Co., Davenport, Ia.
Ryan, David H., contr., San Diego, Cal.
Ryan, Edw., contractor, 101 Clifton, Springfield, Ohio.
Ryan, E. G., & Co., envelope sealing devices, 608 S. Dearbor Chicago, Ill.
Ryan, Geo. E., heaters, Lynn, Mass.
Ryan, H., architect, Diller Hotel, Seattle, Wash.
Ryan, H. J., lumber, Lagrange, Ohio.
Ryan, Miss Ida Annah, & Luscomb, F. H., architects, Lawren Bldg., Waltham, Mass.
Ryan, J. D., Co., paper box covers, 735 Central av, Cleveland,
Ryan, J. J., contractor, New London, Conn.
Ryan, J. J., & Co., machsts. & fndrs., brass castings, etc., 100 Jefferson, Chicago, Ill.
Ryan, Jas. P., mill & facty. supplies, Easthampton, Mass.
Ryan, John (Estate of), hogsheads, Hoboken, N. J.
Ryan, John, & Son, ship bldrs., Whitehall, N. Y.
Ryan, Jos. C., mill & facty. supplies, Yonkers, N. Y.
Ryan & Keon, contractors, 176 Federal, Boston, Mass.
Ryan & Long, vehicle washers, Appleton, Wis.
Ryan & Lutz, carriages, Bridgeport, Conn.
Ryan, M. A., stone producers, Albion, N. Y.
Ryan, M. C., contractor, 13 3d av, Pittsburgh, Pa.
Ryan, M. C., Co., fasteners, hinges, etc., Phoenix, N. Y.
Ryan, M. E., & Son, contractors, Dime Bk. Bldg., Detroit, Mich
Ryan, M. Pckg. Box Co., 550 W. 29th, New York.
Ryan, Martin, packing box mfr., 132 Mercer, New York.
Ryan, N., Co., stone producers, wkrs. & dlrs., 491 Smith, Brook lyn, N. Y.
Ryan, P., packing box mfr., 556 Washington, New York.
Ryan, Patrick, Constr. Corp., Grand Central Terminal & 42d New York.
Ryan, Patrick, & Son, contractors, Bay City, Mich.
Ryan, Peter J., Bldg. Co., 314 W. 44th, New York.
Ryan Rattan Chair Co., furn., Grand Rapids, Mich.
Ryan Soap Co., 2643 Spring Grove av, Cincinnati, Ohio.
Ryan, Wm., Co., masons' & bldrs.' matls., Portchester, N. Y.
Ryan, Wm. J., architect, 162 Ryerson, Brooklyn, N. Y., & 15 W. Randolph, Chicago, Ill.
Rybolt Heating Co., furnaces, 309 E. 5th, Cincinnati, Ohio.
Rybolt Htg. Co., hot air furnaces, 632 Mass. av, Indianapolis Ind.
Ryckman, Albert H., contractor, Saginaw, Mich.
Ryder Brass Foundry Co., Bucyrus, Ohio, & Ferguson bldg. Pittsburgh, Pa.
Ryder Bros., advtg. novelties, Baker, Ore.
Ryder, H. W., masons' & bldrs.' matls., Phoenix, Ariz.
Ryder & Jenkins, stone prod., 3637 Woodland av, Phila., Pa.
Ryder, M. L., Bldg. Co., 362 State, Albany, N. Y.
Ryede Specialty Works, gum vending machines, Rochester, N. Y
Ryegate Paper Co., East Ryegate, Vt.
Ryerson, J. T., & Son, whol. hdwe. & machy, mfrs., 910 Cor Exchange Bldg. & 16th & Rockwell, Chicago, Ill. *See adv. index at end of book.*
Ryland, B. L., & Son, masons' & bldrs.' matls., Bucyrus, Ohio.
Ryland & Brooks Lumber Co., American bldg., Baltimore, Md.
Ryno, John H., architect, Knoxville, Tenn.
Ryon, Augustus M., masons' & bldrs.' matls., 96 Main, Flush ing, N. Y.
Ryon, John P., masons' & bldrs.' matls., Pottsville, Pa.
Rysdon, E. A., & Co., cornices, 527 W. 41st, Chicago, Ill.
Rysdon, Louis S., & Co., cornices, 3319 Wallace, Chicago, Ill.
Ryther, L. R., contr., Rapid City, S. Dak.
Ryther & Pringle Co., machsts. & fndrs., Carthage, N. Y.
Rythmodik Music Corp., music rolls, Belleville, N. J.
Saacke, Chas. W., asphalt dlrs., 27 William, New York.
Saal, H. G. Co., dies & spring motors, 1800 Montrose av, Chicago, Ill. *See adv. index at end of book*
Saam, Karl F., architect, 4th & Main, Dubuque, Ia.
Saart Bros., Co., whisk brooms, manicure sets, novelties, etc. Attleboro, Mass.
Sabel Bros., railroad equipment, Jacksonville, Fla.
Sabel, J., Button Co., 6620 S. State, Chicago, Ill.
Sabetti, Frank P., architect, 215 Montague, Brooklyn, N. Y.
Sabin, Frederick, & Co., stove mfrs., 237 N. Bread, Phila., Pa.
Sabin Machine Co., machsts. & fndrs., 6536 Carnegie av, Cleveland, Ohio.
Sabin Mach. Co., springs, Montpelier, Vt.
Sabin, Wm. Warren, architect, 1900 Euclid av, Cleveland, O.
Sabina Pump Co., Sabina, Ohio.
Sabine, Jas., architect, 99 E. 16th South, Salt Lake City, Utah
Sabine Lumber Co., Wright Bldg, St. Louis, Mo., & Zwolle, La
Sabine River Lbr. & Logging Co., Oakdale, La.
Sabine Supply Co., masons' & bldrs.' matls., mill & facty. supplies, Orange, Tex.
Sabine Tram Co., lbr., Beaumont, Tex.
Sabo Mfg. Co., animal traps, 3115 W. 25th, Cleveland, Ohio.
Sac City Canning Co., Sac City, Ia.
Sachem's Head Canning Co., Guilford, Conn.
Sachnoff, G., Co., garment hangers, collar supports, 138 Mott New York.
Sachoenmaier, Geo., & Co., machy. dlrs., 145 N. 3d, Phila., Pa
Sachs-Lawlor Mach. & Mfg. Co., Denver, Colo.
Sachs, Wm. A., mill & facty. supplies, Germantown av & Girard Phila., Pa.

ett, A. J., machst. & fndr., cor 4th av & 1st, Baltimore, Md.
ett Bros., Co., contractors, Springfield, Mass.
ett, H. B., Screen & Chute Co., 1691 Elston av, Chicago, Ill.
ett, H. I., Elec. Co., 256 Pearl, Buffalo, N. Y.
ett Mine Supply Co., electrical supplies & equipt., 164 N. 3d, Columbus, Ohio.
ett Plaster Board Co., 1170 B'way, New York.
ett Screen Co., coal chutes, Fredonia, N. Y.
ett & Wilhelms Corp., labels, Grand & Morgan av, Brooklyn, N. Y.
in & Levinson Co., plumbers' supplies—jobbers, 523 Atlantic av, Brooklyn, N. Y.
ler Bros., scrap brass & copper, 186 E. 64th, New York.
ley, Jas. A., Co., contractors, 133 W Washington, Chicago, Ill.
man, J. W., brick, Santa Ana, Cal.
man Mfg. Co., metal numbers, steel stamps, Akron, Ohio.
mann, J. W., stencils, 810 Prospect, S. E., Cleveland, Ohio.
s, Louis, Inc., heel plates, etc., Wilson av, Newark, N. J.
Brick Co., Saco, Me.
Lowell Shops, machsts. & fndrs., 77 Franklin, Boston, Mass.
Mfg. Co., wood porch columns, pumps, etc., Saco, Me.
Valley Canning Co., Portland, Me.
amento Builders Supply Co., Sacramento, Cal.
amento Building Block Co., Sacramento, Cal.
amento Lbr. Co., Sacramento, Cal.
amento Pipe Works, Sacramento, Cal.
amento Planing Mill & Furniture Co., sashes, Sacramento, Cal.
amento Timber & Box Co., 268 Market, San Francisco, Cal.
amento Pressed Brick Co., Sacramento, Cal.
amento Valley Sugar Co., Los Angeles, Cal.
amento Wire Mattress Co., Sacramento, Cal.
ville Milling Co., flour, Sadieville, Ky.
r Bros., celluloid novelties, S. Attleboro, Mass.
r Canning Co., Cicero, N. Y.
r Co., post office equip., Indianapolis, Ind.
ler, P. B., pulp mill engnr., 53 W. Jackson blvd, Chicago, Ill.
er, Sam'l P., & Son, chemists, 210 S. 13th, Phila., Pa.
r Cut Sale Co., 235 Congress, Boston, Mass.
Account Register Co., Canton, Ohio.
Cabinet Co., safes & vaults, Marietta, Ohio
Guard Check Writer Co., Inc., 5 Beekman, New York.
Padlock & Hardware Co., mfrs., Lancaster, Pa.
Storm Shield Co., buggy aprons, Fremont, Ohio.
e Co., safety razor mfrs., Geneva, N. Y.
pack Paper Mills, wrapping paper, roofing, etc., 727 Atlantic av, Boston, Mass.
lite Lens Co., lamp lens mfrs., 220 5th av, New York
y Appliance Co., St. Louis, Mo.
y Armorite Conduit Co. See Garland Mfg. Co. (successor).
y Car Devices Co., controllers, handles, Boatmens' Bank Bldg., St. Louis, Mo.
y Car Htg. & Lighting Co., 2 Rector, New York.
y Deposit Box Co., 395 W. Main, Battle Creek, Mich.
y Door Hanger Co., 246 E. 4th, Ashland, Ohio.
y Elec. Co., lamps, 537 N. Dearborn, Chicago, Ill.
y Elevator Stop Co., Kalamazoo, Mich.
y Emery Wheel Co., Springfield, Ohio.
y Engng. trade publication, 80 Maiden la, New York.
y Fire Extinguisher Co., 295 7th av, New York
*see adv. index at end of book*
y First Supply Co., appliances, first aid & playground equipments, 107 Third av, Pittsburgh, Pa.
y Furnace Pipe Co., 1212 2d av, Detroit, Mich.
y Gas Lighter Co., Roanoke, Va.
y Gas Main Stopper Co., 263 E. 133d, New York.
y Hopper Car Wrench Co., Harrison Bldg., Phila., Pa.
y Insulated Wire & Cable Co., 114 Liberty, New York.
y Ladder Mfg. Co., Seattle, Wash.
y Sled Co., Mount Jewett, Pa.
y Wire Gas Globe Co., Columbus, Ohio.
l, J. M., architect, Bakersfield, Cal.
d, G. N., & Co., masons' & bldrs.' matls, Rockford, Ill.
d, Henry D., mill & facty supplies, Mechanicsville, N. Y.
d, M. D., architect, 259 Sumner, Boston, Mass.
d's, S., Sons, stone producers, Paris, Ill.
ahoc Fertilizer Co., Bowdoinham, Me.
ore Motor Wks., gas engines, 650 Summer, Lynn, Mass.
Brick Mfg. Co., Greenport, N. Y.
J. L., lumber mfrs., Williamstown, N. Y.
Trunk Co., 134 Sumner, Boston, Mass.
A. C., sash, door & blind mfrs., Town & Bell, Columbus, Ohio.
C. H., Hardware Co., cornices & skylights, Lebanon, Ill.
J. H., Co., shock absorbers, Rochester, N. Y.
Lock Co., bower barffed wk. hinges, No. Chicago, Ill.
aw Bay Co., lumber, 2106 W. 3d, S. W., Cleveland, Ohio.
aw Brick Co., Saginaw, Mich.
aw Chemical Co., chloride of calcium, Saginaw, Mich.
aw Glass Sign Co., Saginaw, Mich.
aw Hardware Co., Saginaw, Mich.
aw Ladder Co. (Ltd.), Saginaw, Mich.
aw Lime & Stone Co., Saginaw, Mich.
aw & Manistee Lumber Co., Williams, Ariz.
aw Mfg. Co., wood pulleys, Saginaw, Mich.
Saginaw Milling Co., flour, Saginaw, Mich.
Saginaw Mirror Wks., glass shelves & mirrors, Saginaw, Mich.
Saginaw Motor Car Co., Saginaw, Mich.
Saginaw Paving Brick Co., Saginaw, Mich.
Saginaw Plate Glass Co., salt mfrs., Saginaw, Mich.
Saginaw Sheet Metal Works, automobile fenders & hoods, Saginaw, Mich.
Saginaw Shingle Co., Blaine, Wash.
Saginaw Shipbuilding Co., Saginaw, Mich.
Saginaw Show Case Co. (Ltd.), Saginaw, Mich.
Saginaw Specialty Co., cigar boxes, Saginaw, Mich.
Saginaw Timber Co., lumber, Aberdeen, Wash.
Saginaw Wheelbarrow Co., machsts. & fndrs., Saginaw, Mich.
Saginaw Wood Products Co., croquet sets, Gaylord, Mich.
Sagola Lbr. Co., Sagola, Mich.
Saguin, Jas., contr., Council Bluffs, Iowa.
Sahlen, Jas. (est. of), meat packers, 310 Howard, Buffalo, N. Y.
Sahm, Frank B. R., architect, 2d Nat. Bk. Bldg., Wilkes-Barre, Pa.
Sailer, & Melvin Mfg. Co., lock washers, Massillon, Ohio.
Sailer, Rudolph W., architect, 76 Montgomery, Jersey City, N. J.
Sailor, C. H., architect, Gordon, Neb.
Sailor Planing Mill & Lumber Co., Pottsville, Pa.
Sailor-Whitmore Machine Co., Menasha, Wis.
Sailors' Packing Co., Kokomo, Ind.
Sainberg, L., pads—desk, 65 W. Houston, New York.
Saino, F. L., Mfg. Co., doors, Memphis, Tenn.
St. Agatha Starch Co., St. Agatha, Me.
St. Anne Brick & Tile Co., Saint Anne, Ill.
St. Anthony Iron Works, machsts. & fndrs., Minneapolis, Minn.
St. Bernard Cypress Co., Ltd., Arabi, La.
St. Bernard Mining Co., coal mine, Earlington, Ky.
St. Bernard Rendering & Fertilizing Co., Perrin Bldg., New Orleans, La.
St. Charles Brick Co., St. Charles, Mo.
St. Charles Fixture Mfg. Co., elec. fixtures, St. Charles, Ill.
St. Charles Net & Hammock Co., St. Charles, Ill.
St. Clair Foundry, Belleville, Ill.
St. Clair Mfg. Co., acet. gas machines, Dayton, Ohio.
St. Cloud Granite Works, St. Cloud, Minn.
St. Cloud Iron Works Co., St. Cloud, Minn.
St. Croix Lbr. & Mfg. Co., Winton, Minn.
St. Croix Paper Co., box shook & lumber mfrs., 244 Washington, Boston, Mass.
St. Elizabeth Canning Co., St. Elizabeth, Mo.
St. Gemme, Frank, Fire Apparatus Co., St. Louis, Mo.
Ste. Genevieve Lime & Quarry Co., Mermod & Jaccard Bldg., St. Louis, Mo.
St. Geo. Hy. V., tracing cloth & paper, 8 Grand, New York.
St. George Paper Co., Norwalk, Conn.
St. Germain Bros., plate glass, Duluth, Minn.
St. Germain, Jos. A., contractor, New London, Conn.
St. Helens Creosoting Co., Yeon Bldg., Portland, Ore.
St. Helens Lumber Co., San Francisco, Cal.
St. Helens Quarry Co., McFall Bldg., Portland, Ore.
St. Helens Shipbuilding Co., St. Helens, Ore.
St. Ignatius University College, engng. schools & coll., San Francisco, Cal.
St. James Milling Co., flour, St. James, Minn.
St. James Timber Co. (Ltd.), ties, poles, 1110 Hibernian, New Orleans, La.
St. John & Barquist, ceilings, conductor pipes, radiator shields, etc., Des Moines, Ia.
St. John, G. C., air & gas meters, 280 Madison av, New York.
St. John, J. T., flour mills, Watauga, Tenn.
St. John & Keyser, contractors, Norwalk, Conn.
St. John Wood Working Co., sash, door & blind, Stamford, Conn.
St. Johns Lumber Co., Portland & St. Johns, Ore.
St. Joseph Art Glass Co., St. Joseph, Mo.
St. Joseph Battery Co., St. Joseph, Mo.
St. Joseph Brass & Iron Co., fndrs., St. Joseph, Mo.
St. Joseph Buggy Co., St. Joseph, Mo.
St. Joseph Iron Works, machsts. & fndrs., St. Joseph, Mich.
St. Joseph Lead Co., 61 B'way, New York.
St. Joseph Lumber Co., St. Joseph, Mo.
St. Joseph Milling Co., flour, St. Joseph, Minn.
St. Joseph Plow Co., listers & drills, St. Joseph, Mo.
St. Joseph Pressed Brick Co., St. Joseph, Mo.
St. Joseph Rock Crusher Co., stone producers, St. Joseph, Mo.
St. Joseph Structural Steel Co., St. Joseph, Mo.
St. Landry Cotton Oil Co., Opelousas, La.
St. Lawrence Const. Co., Inc., 36 State, Albany, N. Y.
St. Lawrence Marine Ry. Co., Ogdensburg, N. Y.
St. Lawrence Pyrites Co., pyrites ores, De Kalb Junction, N. Y.
St. Lawrence Quarries, marble producers, Gouverneur, N. Y.
St. Laurence Talc Co., see Carbola Chemical Co., Inc. (successors).
St. Louis Archl. Iron Co., Lesperance & De Kalb, St. Louis, Mo.
St. Louis Axle Co., La Salle W. of Jefferson, St. Louis, Mo.
St. Louis Bag & Burlap Co., see Werthan Bag Co. (successors),
St. Louis Bank Equip. Co., bank, office & store fix., 811 Walnut, St. Louis, Mo.
St. Louis Basket & Box Co., trunk & veneer mfrs., etc., Wharf & Penrose, St. Louis, Mo.
St. Louis Bed & Mfg. Co., 2007 Railway Exchange, St. Louis, Mo.

St. Louis Bell Fdry., 2735 Lyon, St. Louis, Mo.
St. Louis Belting & Supply Co., machy. dlrs., 509 S. 4th, St. Louis, Mo.
St. Louis Blue Print & Supply Co., 314 N. 6th, St. Louis, Mo.
St. Louis Boat & Engine Co., machsts., Bank of Commerce bldg, St. Louis, Mo.
St. Louis Box Fcty., pckg. box mfrs., 721 S. 2d, St. Louis, Mo.
St. Louis Brass Mfg. Co., machsts. & fndrs., 2613 Washington av, St. Louis, Mo.
St. Louis Butchers' Supply Co., refrigerators, etc.; tin pails, 1543 N. 15th, St. Louis, Mo.
St. Louis Button Co., 415 Lucas av, St. Louis, Mo.
St. Louis Candle & Wax Co., 233 Market, St. Louis, Mo.
St. Louis Car Co., electric ry. supplies, 8000 N. B'way, St. Louis, Mo.
St. Louis Car Wheel Co. (See Southern Wheel Co., successors.)
St. Louis Cash Register Co., St. Louis, Mo.
St. Louis Chemical Wks., silicate of soda, 8025 S. B'way, St. Louis, Mo.
St. Louis Coffin Co., 1821 Chouteau av, St. Louis, Mo.
St. Louis Confetti Co., 3 Market, St. Louis, Mo.
St. Louis Cont. Co., 4425 Clayton av, St. Louis, Mo.
St. Louis Cooperage Co., wood pails & buckets, ft. of Arsenal, St. Louis, Mo.
St. Louis Cordage Mills, 1715 S. 11th, St. Louis, Mo.
St. Louis Cut Stone Co., 3535 Gratiot, St. Louis, Mo.
St. Louis Elec'l Wks., stor. battery charging sets, 4060 Forest pk, St. Louis, Mo.
St. Louis Electrotype Fdry., pattern letters & figures, 125 S. 8th, St. Louis, Mo.
St. Louis Felt & Bedding Co., mattresses, 208 S. 17th, St. Louis, Mo.
St. Louis Fire Brick & Clay Co., Los Angeles, Cal.
St. Louis Fire Door Co., 1512 Clark av, St. Louis, Mo.
St. Louis Fireworks Co., 822 N. B'way, St. Louis, Mo.
St. Louis Frog & Switch Co., Chemical Bldg., St. Louis, Mo.
St. Louis Gas & Gasoline Engine Co., 2615 De Kalb, St. Louis, Mo.
St. Louis Glue Mfg. Co., 2125 Division, St. Louis, Mo.
St. Louis Hardware Mfg. Co., 1519 W. 18th, St. Louis, Mo.
St. Louis Hide & Tallow Co., 2d & Talcott, St. Louis, Mo.
St. Louis Independent Pckg. Co., meat packers, 3855 Chouteau av, St. Louis, Mo.
St. Louis Iron & Mach. Wks., 126 Chouteau av, St. Louis, Mo.
St. Louis Iron Store Co., whol. hdwe., 700 Cass av, St. Louis, Mo.
St. Louis Label Wks., 925 N. 11th, St. Louis, Mo.
St. Louis Lantern Co., 18 Lucas av, St. Louis, Mo.
St. Louis Lthr. Goods Co., trav. bags & suit cases, 2509 S. B'way, St. Louis, Mo.
St. Louis Lightning Rod Co., 2135 De Kalb, St. Louis, Mo.
St. Louis Lumber Co., 2509 S. B'way, St. Louis, Mo.
St. Louis Lumberman, trade publications, Arcade bldg, St. Louis, Mo.
St. Louis Mach. Tool Co., 922 Loughborough, St. Louis, Mo.
St. Louis Machsts. Supply Co., 920 N. B'way, St. Louis, Mo.
St. Louis Malleable Casting Co., expansion bolts, 7701 N. Conduit, St. Louis, Mo.
St. Louis Metalware Co., 2507 N. B'way, St. Louis, Mo.
St. Louis Motor Truck Co., auto bldrs., 4274 Easton av, St. Louis, Mo.
St. Louis Oil Co., lubrg., 2921 B'way, St. Louis, Mo.
St. Louis Oxygen Co., 2500 Montgomery, St. Louis, Mo.
St. Louis Paper Co., folding paper boxes, 500 N. 3d, St Louis, Mo.
St. Louis Plume & Plaiting Co., 620 N B'way St. Louis, Mo.
St. Louis Rail & Equip't Co., mill & factory supplies, 3rd Nat'l Bank Bldg., East St. Louis, Ill.
St. Louis Rocky Mtn. & Pacific Co., coal mine, Raton, N. Mexico.
St. Louis Rubber Cement Co., 3046 Lambdin av, St. Louis, Mo.
St. Louis Sales Co., drilling mach., vises, arch't iron & tanners snips, Chemical Bldg., St. Louis, Mo.
St. Louis Sampling & Testing Wks., laboratories, 713 Clark av, St. Louis, Mo.
St. Louis Sash & Door Works, 3440 N. B'way, St. Louis, Mo.
St. Louis Screw Co., Clarence & Bulwer av, St. Louis, Mo.
St. Louis Smelting & Refining Co., Internat'l Life Bldg., St. Louis, Mo.
St. Louis Steel Barrel Corp., B'way, Benton & 9th, St. Louis, Mo.
St. Louis Steel Foundry, Hamburger & Kienlen av, St. Louis, Mo.
St. Louis Sticker Co., gummed labels, 1627 Washington av, St. Louis, Mo.
St. Louis Surfacer & Paint Co., Arlington & Terminal Belt Line, St. Louis, Mo.
St. Louis Terra Cotta Co., 5801-15 Manchester av, St. Louis, Mo.
St. Louis Tin & Sheet Metal Working Co., oil & grease cans, St. Louis, Mo.
St. Louis Tissue & Mfg. Co., toilet paper, paper cans & mailing tubes, 3417 Chateau av, St. Louis, Mo.
St. Louis Truck & Mfg. Co., 3200 N. Hall, St. Louis, Mo.
St. Louis Trunk Hdwe. Mfg. Co., 609 Chateau av, St. Louis, Mo.
St. Louis Vitrified & Fire Brick Co., Wainwright Bldg., St. Louis, Mo.
St. Louis Washing Machine Co., St. Louis, Mo.
St. Louis Well Mach. & Tool Co., Kingsland av, St. Louis, Mo.
St. Louis Wire & Iron Co., 926 Chouteau av, St. Louis, Mo.
St. Maries Lumber Co., St. Maries, Idaho.
St. Mary's Builders' Supply & Coal Co., St. Mary's, Ohio.
St. Mary's Mill Co., flour, St. Mary's Mo.
St. Mary's Milling Co., flour, St. Mary's, W. Va.
St. Mary's Oil Engine Co., St. Charles, Mo.
St. Mary's Planing Mill Co., St. Mary's, Ohio.
St. Mary's Sewer Pipe Co., St. Mary's, Pa.
St. Mary's Woolen Mfg. Co., St. Mary's, Ohio.
St. Meinrad Brick & Tile Co., St. Meinrad, Ind.
St. Mungo Mfg. Co., golf balls, 121 Sylvan av, Newark, N. J.
St. Paul Boiler & Mfg. Co., Water & Walter, St. Paul, Minn.
St. Paul Brass Fndry. Co., Minn. & 2d, St. Paul, Minn.
St. Paul Building Co., 460 Rice, St. Paul, Minn.
St. Paul Coal Co., Railway Exchange bldg., Chicago, Ill.
St. Paul Crushed Stone Co., Steward & Victoria, St. Paul Minn.
St. Paul Foundry Co., steel structures, Como av, Mackubin St. Paul, Minn. *See adv index at end of book*
St. Paul Gas Appliance Co., stoves, St. Paul, Minn.
St. Paul Gas Light Co., 6th & Cedar, St. Paul, Minn.
St. Paul Lime & Cement Co., Ryan Bldg., St. Paul, Minn.
St. Paul Mach. Wks., 123 W. 3d, St. Paul, Minn.
St. Paul Machy. Mfg. Co., Como. & Marion, St. Paul, Minn.
St. Paul Roofing, Cornice & Ornament Co., sheet metal products St. Paul, Minn.
St. Paul Stone Co., 868 E. Minnehaha, St. Paul, Minn.
St. Paul Stone Quarries Co., St. Paul, Ind.
St. Paul & Tacoma Lumber Co., Tacoma, Wash.
St. Paul Welding & Mfg. Co., torches, etc., 173 W 3rd, St. Paul Minn.
St. Paul White Lead & Oil Co., Water Starkey, St. Paul, Minn
St. Regis Lumber Co., Tiger, Wash.
St. Regis Paper Co., Watertown, N. Y.
St. Tammany Lumber Co., Ramsey, La.
St. Thomas Canning Co., St. Thomas, Mo.
Saint, W. J. T., sash, door & blind mfr., Sharpsburg, Pa.
Salter, F. R., cornices, Marion, Ohio.
Salter-Morgan Co., wholesale hdwe., Vincennes, Ind.
Sala Co., mud & non-skid chains & emergency tires, Canton, O.
Sala, Peter, architect, Stockton, Cal.
Saladin, Louis, machsts. & fndrs., 1241 De Kalb av, Brooklyn N. Y.
Saladin Pneumatic Malting Constr. Co., 643 Wellington av Chicago, Ill.
Salamanca Engine-Iron Co., Salamanca, N. Y.
Salamander Grate Bar Co., 126 Liberty, New York.
Salaski, John, granite producers, St. Cloud, Minn.
Salch. Bros., metal spinning, lumps, 239 Centre, New York.
Salem Brass Foundry, Salem, Mass.
Salem Brass & Iron Mfg. Co., machsts. & fndrs., Salem, N. J.
Salem Brick Co., Salem, Va.
Salem Bros., shades, 122 Centre, New York.
Salem Canning Co., Salem, N. J.
Salem Chemical & Supply Co., almond meal, Salem, Mass.
Salem China Co., crockery, Salem, Ohio.
Salem Constr. Co., Salem, Ore.
Salem Co-operative Window Glass Co., Salem, W. Va.
Salem Electrical Supply Co., woven wire brushes, Salem, Mass.
Salem Elevator Wks., Salem, Mass.
Salem Fdry. & Mach. Wks., Salem, Ohio.
Salem Foundry & Machine Wks., Salem, Va.
Salem Glass Wks., glass bottles, Salem, N. J.
Salem Hardware Co., Salem, O.
Salem Iron Co., blast furnaces, Leetonia, Ohio.
Salem Iron Wks., Salem, Ore.
Salem Iron Wks., R. R. cross tie machines, Winston-Salem, N. C N. C.
Salem Leather Co., insulating washers, Salem, Mass.
Salem Mattress Co., Salem, Va.
Salem Plumbing & Lighting Supply Co., Salem, Mass.
Salem Rubber Co., Salem, Mass.
Salem Supply Co., canned goods, Salem, N. J.
Salem Tool Co., Salem, Ohio.
Sales, F. A., Co., Inc., leather mats, 258 5th av, New York.
Sales, Jas. A., masons' & bldrs.' matls., Kalamazoo, Mich.
Sales, Murray W., & Co., plumbers', mill & facty. supplies, jobbers, 76 Jefferson av, Detroit, Mich.
Salesburg Refining Co. (Ltd.), sugar, Lauderdale, La.
Salfisberg, J. E., & Co., contrs., Aurora, Ill.
Salich, E., & Co., beet sugar plant const., Monadnock blk. Chicago, Ill.
Salicylate Products Mfg. Co., acid, Newark, N. J.
Salina Packing Co., canned goods, Anacortes, Wash.
Salina Solar Coarse Salt Co., Syracuse, N. Y.
Salina Vitrified Brick Co., Salina, Kans.
Saline Valley Roller Mills, flour, Bumpus Mills, Tenn.
Saling-Hanson & Co., lumber, Grayling, Mich.
Salinger, Chas., cornices, 1110 Ridge av, Philadelphia, Pa.
Salisbury Axle Co., Jamestown, N. Y.
Salisbury Ball Bearing Co., 3741 E. 93d, Cleveland, Ohio.
Salisbury Brick Co., Salisbury, Md.
Salisbury Bros., lumber, Clinton, Wash.
Salisbury Cutlery Handle Co., Salisbury, Conn.
Salisbury, D. J., masons' & bldrs.' matls., 206 St. Marks av Syracuse, N. Y.

bury, F. B., lumber, Clinton, Wash.
bury Mfg. Co., tags, fasteners, envelopes, etc., 14 Leather av, Providence, R. I.
bury, Robt. H., architect, Wheaton, Ill.
bury & Satterlee Co., machinists, 201 S. E. Main, Minneapolis, Minn.
bury, W. H., & Co., mill & facty. supplies, 308 N Madison, Chicago, Ill.
bury Wood-Working Co., sash, door & blind mfrs., Salisbury, Md.
Mountain Co., prepared roofing & asbestos products, 305 S. La Salle, Chicago, Ill.
day, L. E., whol. hdwe., Twin Falls, Idaho.
ng, N. P., sash, door & blind mfrs., Anderson, Ind.
, Ernest, canned goods, Phalanx, N. J.
en Brick & Lumber Co. (Ltd.), ties, poles, New Orleans, La.
on Bay Iron & Brass Fndry, machsts. & fndrs., Seattle, Wash.
on Creek Lumber Co., Kellettville, Pa.
on, Henry, & Son, masons' & bldrs.' matls., Boonton, N. J.
on, John, & Co., contrs.., La Salle, Ill.
on, J. T., contractor, Durham, N. C.
ond Bros. Co., contractors, Arlington, N. J.
ond, Sam'l, & Son, tacks, Hanover, Mass.
ave, W. A., machsts., Canandaigua, N. Y.
n Elec. Storage Battery Co., Niagara Falls, N. Y.
non, A., Inc., cotton waste, 15 Park row, New York.
non, L. A., & Bro., chemicals, 216 Pearl, New York.
mon-Waterton Co., contractors, 343 S. Dearborn, Chicago, Ill.
mon, Wm. E., & Co., contractors, 175 W. Jackson blvd, Chicago, Ill.
Lake Engineering Wks., Salt Lake City, Utah.
Lake Hardware Co., Salt Lake City, Utah.
Lake Iron & Steel Co., Salt Lake City, Utah.
Lake Knitting Wks., Salt Lake City, Utah.
Lake Mattress & Mfg. Co., Salt Lake City, Utah.
Lake Mill Co., contrs., Salt Lake City, Utah
Lake Pressed Brick Co., Salt Lake City, Utah.
Lake Sash Weight Fdry., Salt Lake City, Utah
Lake Stamp Co., Salt Lake City, Utah.
Lick Lumber Co., Salt Lick, Ky.
Lick Milling Co., flour, Valmeyer, Ill.
Wm. B., Mfg. Co., steel & cast iron piston rings, Aspinwall, Pa.
er Canning Co., North Rose, N. Y.
er, J. A., architect, Raleigh, N. C.
er, J., & Son, granite, Groton, Conn.
er Mfg. Co., music cabinets, 339 N. Oakley bl, Chicago, Ill.
er Motor Mfg. Co., cylinder grinders & oxy-acetylene apparatus, 1516 Oakland av, Kansas City, Mo.
er, Thos., contractor, 118 Front av, Rochester, N. Y.
keatchie Lumber Co., Schofield, S. C.
man, Henry B., contr., 136 Fairfield av, Bridgeport, Conn.
sburg Coal Mining Co., bituminous, Leechburg, Pa.
's Textile Mfg. Co., plushes, Bridgeport, Conn.
us, Roelin S., landscape architect, 9 E. 41st, New York.
eson Bros., common brick, Petersburg, Ill.
er, H. M., jigs, fixtures, etc., 23 Camp pl, Newark, N. J.
ers, C. D., & Son, cornices & skylights, Carrollton, Ky.
Bros., fountain pen mfrs., 71 W. 35th, New York.
berg, H. E., Co., Inc., machy. dlrs., 30 Church, New York
er, B. F., Lumber Co., Denver, Colo.
man, G. O., machsts., Marietta, Ohio.
els Bros. & White, canned goods, Chaska, Minn.
lovitz, Max, cornices, 260 E. 78th, New York.
met, G. W., & Son Co., mattresses, 8 Atlantic av, Boston, Mass.
mons, W. S., lumber mfrs., Sammonsville, N. Y.
pel, J. F., machst. & fndr., Boone, Ia.
pliner Adv. Co., 7th av & 49th, New York.
pson, Alden, & Sons, oilcloth mfrs., 320 B'way, New York.
pson, E. L., & Bros. Contracting Co., contractors, Springfield, Mass.
pson, E. T., contractor, Brockton, Mass.
pson, Ernest L., masons' & bldrs.' matls., Plymouth, Mass.
pson, Geo. H., Co., machy. dlrs., 13 Pearl, Boston, Mass.
pson, J. A., heating contr., 10 Summer, Providence, R. I.
pson, John T., architect, 4210 N. Stevens, Tacoma, Wash.
pson & Murdock Co., trade publication, 246 Summer, Boston, Mass.
pson, T. H., mfrs. amberwood, Helena, Ark.
pstone Mfg. Co., flushing valves, 1607 Prairie av, Chicago, Ill.
s, J. H., architect, Columbia, S. C.
son Cordage Works, braided cord & cotton twine mfrs, Boston, Mass.
son Elec. Co., bells, batteries, alarms, etc., 146 Summer, Canton, Mass.
son Gas Engine Co., 648 W. 12th, Erie, Pa.
son Iron Works, Stockton, Cal.
son Mfg. Co., rock crushers, Denver, Colo.
son Siever Grip Tractor Co., Shocton, Cal.
son Tractor Co., Janesville, Wis.
son Trailer Works, Grand Rapids, Mich.
uel, Frank, ferro manganese, Harrison Bldg., Phila., Pa.
*See adv. index at end of book.*
uels Lumber Co., Tuscaloosa, Ala.

Samuels, M., & Sons, scrap iron & steel, N. 2d, Brooklyn, N. Y.
San Angelo Fndry. & Mach. Co., San Angelo, Tex.
San Antonio Foundry Co., San Antonio, Tex.
San Antonio Machine & Supply Co., San Antonio, Tex.
San Antonio Portland Cement Co., San Antonio, Tex.
San Antonio Sand Lime Brick Co., San Antonio, Tex.
San Antonio Sewer Pipe Co., San Antonio, Tex.
San Antonio Sheet Metal Wks., San Antonio, Tex.
San Augustine Lumber Co., Keltys, Texas.
San Diego Constr. Co., contractors, San Diego, Cal.
San Diego Lumber Co., San Francisco, Cal.
San Diego Mach. Co., San Diego, Cal.
San Diego Sheet Metal Works, San Diego, Cal.
San Diego Trunk & Bag Co., San Diego, Cal.
San Francisco Art Glass Co., 505 Ellis, San Francisco, Cal.
San Francisco Brass Foundry, 48 Clementina, San Francisco, Cal.
San Francisco Brazing & Welding Wks., 131 Beale, San Francisco, Cal.
San Francisco Bridge Co., Nev. Bk. bldg., San Francisco, Cal.
San Fran. Calendar Nov. Co., advtg. novelties, 320 1st, San Francisco, Cal.
San Francisco Casket Co., 621 Guerrero, San Francisco, Cal.
San Francisco Chemical Co., 332 Pine, San Francisco, Cal.
San Francisco Engineering Co., 322 6th, San Francisco, Cal.
San Francisco Galvanizing Works, 1176 Harrison, San Francisco, Cal.
San Francisco Iron & Metal Co., 256 North Point, San Francisco, Cal.
San Francisco, Metal Stamping & Corrugating Co., 2369 Folsom, San Francisco, Cal.
San Francisco Mill Furnishing Co., brewers' & malsters' machy. & supplies, 521 7th, San Francisco, Cal.
San Francisco-Oakland Terminal Rys., machsts. & fndrs., Oakland, Cal.
San Francisco Pioneer Varnish Wks., 816 Mission, San Francisco, Cal.
San Francisco Plating Works, 1349 Mission, San Francisco, Cal.
San Francisco Plumbing Supply Co., San Francisco, Cal.
San Francisco Quarries Co., Balboa Bldg., San Francisco, Cal.
San Francisco Ship Building Co., 310 California, San Francisco, Cal.
San Francisco Stove Works, 260 Townsend, San Francisco, Cal.
San Gabriel Valley Canning Co., Los Angeles, Cal.
San Giacomo Sons, scrap rubber, 9 Abel, Newark, N. J.
San Joaquin Brick Co., Stockton, Cal.
San Jose Brick Co., San Jose, Cal.
San Jose Foundry, San Jose, Cal.
San Jose Hdwe. Co., who. hdwe., San Jose, Cal.
San Juan Canning Co., Friday Harbor, Wash.
San Juan Fishing & Packing Co., canned goods, Seattle, Wash.
San-Knit-ary Textile Mills, knitted towels, 10th & Diamond, Philadelphia, Pa.
San Pedro Lumber Co., 110 Market, San Francisco, Cal.
San Ti Lite Corp., sanitary flooring, Syracuse, N. Y.
San Vincente Lumber Co., Santa Cruz, Cal.
Sanax Co., elec. hair dryers, 143 E. 23rd, New York.
Sanborn Brick & Ice Co., Portage, Wis.
Sanborn Carriage Co., Manchester, N. H.
Sanborn-Cutting Co., Astoria, Ore.
Sanborn, Dana A., architect, 38 Exchange, Lynn, Mass.
Sanborn Evaporator Co., 79 Wall, New York.
Sanborn Furnace Co., machsts. & fndrs., Methuen, Mass.
Sanborn, J. W., fertz. mfr., Pittsfield, N. H.
Sanborn, John, & Son, tin plate, 134 Beekman, New York.
Sanborn Map Co., 11 B'way, New York.
Sanborn Sectional Weight Co., 280 Madison av, New York.
Sand, J., & Sons, levels, 1023 Rivard, Detroit, Mich.
Sand, Jno. A., sweaters, etc., 2408 W. Chicago av, Chicago, Ill.
Sand Lime Brick Co., Boise, Idaho.
Sand Mixing Mach. Co. See Amer. Fdry. Equipment Co. (successor).
Sand Point Lbr. & Pole Co., Sand Point, Idaho.
Sandberg, Adolph L., machsts., 222 S. Clinton, Chicago, Ill.
Sandegren, Andrew, architect, 25 N. Dearborn, Chicago, Ill.
Sander, A., Packing Co., meat, 1026 Gest, Cincinnato, Ohio.
Sander, C. A., pyrometers, Irvington, N. Y.
Sanders, A. J., & Sons, lbr., Gosport, Ind.
Sanders, Alva, Spoke Factory, Ashland, Ky.
Sanders Bros. Mfg. Co., sash, door & blind mfrs., porch columns, Ottawa, Ill.
Sanders Coal Co., masons' & bldrs. matls., Elkhart, Ind.
Sanders Copper & Brass Works, 431 Folsom, San Francisco, Cal.
Sanders Duck & Rubber Co., contrs., tents, Silk Exch. Bldg., St. Louis, Mo.
Sanders & Egbert Co., lumber mfrs., Goshen, Ind.
Sanders, H. H., plate glass, Binghamton, N. Y.
Sanders, J. K., cornices & skylights, Savannah, Ga.
Sanders, John G., iron works, Monroe, La.
Sanders Lumber Co., Taunton, Mass.
Sanders Mfg. Co., meat & food choppers, 294 8th av, Newark, N. J.
Sanders, Newell Plow Co., Chattanooga, Tenn.
Sanders, Robert E., machsts. & fndrs., Ashland, Wis.
Sanders, Smith & Co., cotton batting, Charlotte, N. C.
Sanders, Wm., architect, Washington Court House, Ohio.
Sanders & Ginocchio, architects, Little Rock, Ark.

Sanderson Cyclone Drill Co., blast hole & well drilling machinery, Orville, Ohio.
Sanderson, E. P., & Co., wholesale hardware, Cambridge, Mass.
Sanderson Fertilizer & Chemical Co., New Haven, Conn.
Sanderson, L. M., clothes lines, cotton mops, Haydenville, Mass.
Sanderson & McCreery, masons' & bldrs.' matls., Mount Vernon, Ohio.
Sanderson & Partner, shipbldrs., Willapa Harbor, Wash.
Sanderson & Porter, contractors, 52 William, New York.
Sanderson, Robt., wood handles, Singac, N. J.
Sandford-Robinson Lumber Co., Pittsburg, Kans.
Sandiford, Chas., architect, 2692 Main, Buffalo, N. Y.
Sandlin, J. R., turpentine, Jasper, Fla.
Sandlund, Peter, machsts. & fndrs., Marinette, Wis.
Sandoval Brass & Iron Wks., Sandoval, Ill.
Sandoval Zinc Co., 410 N. Peoria, Chicago, Ill.
*See adv. index at end of book*
Sandow Motor Truck Co., 3333 W. Grand av, Chicago, Ill.
Sandow Tool Co., spring calipers, 570 W. B'way, New York.
Sands, Alfred B., & Son Co., ship port-lights, vent., etc., 20 Vesey, New York.
Sands, Geo. R., stone, Cambridge, Mass.
Sands, H. S., Electrical & Mfg. Co., machsts., Wheeling, W. Va.
Sands, Jos. S., mill & facty. supplies, 491 W. Side av, Jersey City, N. J.
Sands, Louis Salt & Lumber Co., Manistee, Mich.
Sands & Maxwell Lumber Co., Pentwater, Mich.
Sands Steel Specialties Co., engine oilers, 6947 Susquehanna, Pittsburgh, Pa.
Sandstrom, John, contractor, Ashland, Wis.
Sandstrom Ship Bldg. Co., Seattle, Wash.
Sandusky Cement Co., Engineers Bldg., Cleveland, Ohio.
Sandusky Cooperage & Lumber Co., Toledo, Ohio
Sandusky Foundry & Machine Co., Sandusky, Ohio.
Sandusky Glass Co., Sandusky, Ohio.
Sandusky Nut Co., Sandusky, Ohio.
Sandusky Sand Co., Sandusky, Ohio.
Sandusky Sash, Door & Lbr. Co., Sandusky, Ohio.
Sandusky Tool Co., Sandusky, Ohio.
Sandusky Washer Co., electric washing machines, Sandusky, Ohio.
Sandwich Mfg. Co., agricultural implements, Sandwich, Ill.
Sandy Hill Iron & Brass Wks., machsts. & fndrs., Hudson Falls, N. Y.
Sandy Point Ship Bldg. Co., Sandy Point, Me.
Saner-Ragley Lumber Co., Carmona, Texas.
Sanford & Bennett Co., fountain pen mfrs., 51 Maiden la, New York.
Sanford & Brooks Co., dock bldrs., Water & Commerce, Baltimore, Md.
Sanford, C. L., brick, Southold, N. Y.
Sanford, Chas. E., watchman's clocks, 18 B'way, New York.
Sanford, Chas. E., & Co., mill & facty. supplies, 202 Washington av, N., Minneapolis, Minn.
Sanford Concrete Machinery Co., Toledo, Ohio.
Sanford Cotton Mills, Sanford, N. C.
Sanford, David C., Co., machsts. & fndrs., Bridgeport, Conn.
Sanford-Day Iron Wks., mine cars, Knoxville, Tenn.
Sanford-Evans Co., masons' & bldrs.' matls., Helena, Mont.
Sanford, C. F., Mfg. Co., vises, grinders & milling machy., Bridgeport, Conn.
Sanford, F. L., lbr., Zoma, La.
Sanford, Jas. A., machsts., Jackson, Mich.
Sanford Mfg. Co., writing inks, paste & sealing wax, Congress & Peoria, Chicago, Ill.
Sanford Mills, carriage robes, horse blankets, car plush, Sanford, Me.
Sanford Mining Co., Terre Haute, Ind.
Sanford Motor Truck Co., auto. bldrs., Syracuse, N. Y.
Sanford Sash & Blind Co., Sanford, N. C.
Sanford & Son, machsts. & fndrs., Fayetteville, Ark.
Sanford, Thos. F., bank & office railings, 84 B'way, Buffalo, N. Y.
Sanford & Treadway, lbr. mfrs., New Haven, Conn.
Sanford, W. H., canned goods, Tucker Hill, Va.
Sangamo Coal Co., Springfield, Ill.
Sangamo Elec. Co., circuit breakers, Springfield, Ill.
Sanger, A. J., scrap iron, National City bldg, Cleveland, Ohio
Sanger Mill & Elevator Co., flour, Sanger, Tex.
Sanger, W. Prentice, landscape architect, 21 W. 40th, New York.
Sanguinet & Staats, architect, 1st Nat'l Bk. Bldg., Fort Worth, Tex.
Sanguinett, Staats & Gottlieb, architects, First Nat'l Bk. Bldg., Houston, Tex.
Sanguinetti, Augusto, granite, Barre, Vt.
Sanguinetti Canning Co., Mountain View, Cal.
Sanifat Co., disinfectants & insecticides mfrs., 141 W. 36th, New York.
Saniforne Co., disinfectants & insecticides mfgs., 141 W. 36th, New York.
Sani-Mist Co., furniture polish, New London, Conn.
Sanior, A. H., contractor, Bethel, Conn.
Sanisteel Co., tanks, cabinets, etc., 1200 Niagara, Buffalo, N. Y.
Sanitarium Equip't Co., elec. baths & electro therapeutic apparatus, Battle Creek, Mich.
Sanitary Appliance Co., garbage disposal plants, 39 Cortlandt, New York.
Sanitary Appliance Co., ventilators, Neenah, Wis.



Sanitary Can Co., 120 B'way, New York.
Sanitary Canning Co., Stoutland, Mo., & Westphalia, Ind.
Sanitary Cement Co., sinks, Everett, Mass.
Sanitary Cesspool Co., 333 S. 20th, Philadelphia, Pa.
Sanitary Chemical Closet Co., Hillsdale, Mich.
Sanitary Co., cast iron soil pipe mfrs., Drexel Bldg., Phila., Pa.
Sanitary Co., fndrs., Cleveland, Ohio.
Sanitary Co. of Amer., brass elbows & errows, Linfield, Pa.
Sanitary Composition Floor Co., Syracuse, N. Y.
Sanitary Construction Co., Paterson, N. J.
Sanitary Cooler Co., Pottstown, Pa.
Sanitary Earthenware Spec. Co., potteries, Trenton, N. J.
Sanitary Feather Co., mattresses, 422 S. Canal, Chicago, Ill.
Sanitary Felting & Mattress Co., South Bend, Ind.
Sanitary Fire Proofing & Contrg. Co., 509 W. 174th, New York.
Sanitary Fish Co., canned, Anacortes, Wash.
Sanitary Fixtures Co., 275 Congress, Boston, Mass.
Sanitary Folding Bed & Mfg. Co., Kansas City, Mo.
Sanitary Fountain & Spec. Co., 176 Federal, Boston, Mass.
Sanitary Garbage Box Co., 3840 N. Clark, Chicago, Ill.
Sanitary Htg. Co., fire place htrs., 233 37th, Brooklyn, N. Y.
Sanitary Mfg. Co., see Jeffrey-Dewitt Insulator Co. (successors),
Sanitary Mattress Co., Youngstown, Ohio.
Sanitary Mechanical Specialty Co., sewage ejectors, 157 E. 72d, New York.
Sanitary Metal Basket Co., Lafayette, Ind.
Sanitary Packing Co., Hollandsburg, Ohio.
Sanitary Paper Cup Co., 17 Harcourt, Boston, Mass.
Sanitary Paper Products Co., paper bottles, 400 Chestnut, Philadelphia, Pa.
Sanitary Products Corp., mfrs. disinfectants, insecticides, liquid soap, 1003 Race, Philadelphia, Pa.
Sanitary Radiator Shield Co., 5047 Winthrop av, Chicago, Ill.
Sanitary Bag Co., Kalamazoo, Mich.
Sanitary Raincoat Co., shower bath curtains, 85 Warren, N. Y.
Sanitary Spec. Co., seats, 1836 E. Clearfield, Philadelphia, Pa.
Sanitary Stove Mfg. Co., Benton, Ill.
Sanitary Strainer Co., Maiden Rock, Wis.
Sanitary Street Flushing Mach. Co., 508 Biddle, St. Louis, Mo.
Sanitary Tinning & Mfg. Co., 3781 E. 93d, Cleveland, Ohio.
Sanitary Ware Mfg. Co., water closet sets, Newark, N. J.
Sanitary-Washed Wiper Co., machine, 813-15 S. Delaware, Indianapolis, Ind.
Sanitary Wire Door Mat Co., 413 S. Lincoln, Chicago, Ill.
Sanitas Mfg. Co., plbg. fixtures, etc., 105 Washington, Boston, Mass.
Sanitas Mfg. Co., machsts. & brass fndrs., Wakefield, Mass.
Sanitation Corp., sewage treatment apparatus, 50 B'way, New York
Sanitax Brush Co., 2333 S. Wabash av, Chicago, Ill.
Sankey Bros., brick, common, 2112 Carson, Pittsburgh, Pa.
Sanneman & Goold, architects, Reserve Bk. Bldg., Kansas City, Mo.
Sanner Hardware Co., Shamokin, Pa.
Sanon Mfg. Co., airplane parts & supplies, 1034 Grand av, Toledo, Ohio.
Sansbury, Geo. F., architect, Cumberland, Md.
Sansbury, Theo T., Jr., architect, Parkersburg, W. Va.
Sansom, John H. A., handles, 174 Worth, New York.
Sansom & Mayer, contractors, Iroquois Bldg., Buffalo, N. Y.
Sansom & Rowland, wholesale hwe., 505 Commerce, Phila., Pa.
Sant, John, & Sons Co., potters' supplies, East Liverpool, Ohio.
Santa Clara Valley Mill & Lumber Co., San Jose, Cal.
Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco, Cal.
Santa Fe Fdry. Co., Richmond, Cal.
Santa Fe Fuel Co., masons' & bldrs.' matls., El Paso, Tex.
Santa Rosa Flour Mills Co., Santa Rosa, Cal.
Santangelo, L. B., architect, 2364 8th av, New York.
Santee Mills, cotton sheeting, Orangeburg, S. C.
Santilite Corp., flooring composition, 120 Plum, Syracuse, N. Y.
Santmyers, Geo. T., architect, 921½ N. Y. av, N. W., Washington, D. C.
Santo Vacuum Cleaner Co., 820 6th av, New York.
Santo Vacuum Cleaner Co., 1304 Diamond, Philadelphia, Pa.
Sanucci Paola, contrs., Medina, N. Y.
Saponol Chemical Co., polishing cloths, soap, etc., 1916 Park av, New York.
Saporiti, J. P., & Co., granite prod., Barre, Vt.
Sapulpa Brick Co., Sapulpa, Okla.
Sapulpa Pressed Brick Co., Sapulpa, Okla.
Sapulpa Refining Co., petroleum & its products, Sapulpa, Okla.
Sarachan & Rosenthal, scrap rubber, Rochester, N. Y.
Saranac Co., paper & pulp mills, Plattsburg, N. Y.
Saranac Machine Co., Benton Harbor, Mich.
Sarco Co., Inc., steam & radiator traps, 8 Park pl, New York
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Sarcoxie Canning Co., Sarcoxie, Mo.
Sardeson, John, contr., Fredonia, N. Y.
Sargeant Bros., masons' & bldrs.' matls., Somerville, N. J.
Sargeant Mfg. Co., hdwe. mfrs., 79 Summit, Newark, N. J.
Sargent, A. R., landscape architect, 225 5th av, New York.
Sargent & Co., hardware mfrs., New Haven, Conn.
Sargent, E. H., & Co., laboratory app. & supplies, 155 E. Superior, Chicago, Ill.
Sargent, E. P., lbr., Norwich, Vt
Sargent, Geo. F., Co., dictionary holders, 132 E. 23d, N. Y.

:t, Geo. W., mach. & fndr., Keene, N. H.
ENT & GREENLEAF CO., INC., lock mfrs., Rochester, . Y.
ranch office, 166 W. Lake, Chicago, Ill.
ranch Office, 127 Fifth av, New York
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it & Ham Co., auto. wood bodies, 26 Bowker, Boston, Mass.
it, L. W., carriage bows, Newburyport, Mass.
it & Lundy, mech. & elc. engineers, 72 W. Adams, Chi-igo, Ill.
it Mfg. Co., chairs, office wardrobes, etc., Muskegon, Mich.
it, Osgood & Roundy Co., agricultural implements, Ran-olph, Vt.
it Paint Co., N. J. & Mass. av, Indianapolis, Ind.
it Steam Meter Co., 820 So. Tripp, Chicago, Ill.
it, T. M., architect, 162 Tremont, Boston, Mass.
it Tile Ditcher Co., Ft. Dodge, Ia.
it's, Chas. G., Sons Corp., machsts. & fndrs., textile achy., Graniteville, Mass.
David, cornices, 2164 Madison av, New York.
ld, Thos. A., contractor, 324 Main, Stamford, Conn.
Bros. Co., lumber, Sartell, Minn.
ius, A., & Co., architects, & engrs.' instruments, 57 Murray, ew York.
ius Co., iron, 15th & Utah, San Francisco, Cal.
ius Provision Co., meat packers, 2734 Arsenal, St. Louis, o.
Timber Co., Steamboat Springs, Colo.
, W. H., granite, 941 W. 5th, Cincinnati, Ohio.
Derrick Co., 3101 W. Grand av, Chicago, Ill.
Gloss Polish Co., Portland, Me.
action Guaranteed Corp., electrical appliances, 659 Fulton, hicago, Ill.
na Co., camphor, Satsuma Heights, Fla.
, H., & Son, stone, 219 Gordon, Perth Amboy, N. J.
lee, F. E., Co., mill & facty. supplies, 120 Washington, N., inneapolis, Minn
thwait, Edgar, masons' & bldrs.' matls., Salem, Ohio.
thwaite Bros., mill & facty. supplies, Tecumseh, Mich.
waite, Pennington, architect, 345 5th av, New York.
r, Peter, Co., harness, Toledo, Ohio.
, Wm., contr., 44 Breifnoll pl, Newark, N. J.
y, Stakher Co., agricultural implements, 408 Telephone, ndianapolis, Ind.
Fdry. & Mach. Co., Wheeling, W. Va.
-Boyd & Co., turpentine, Baldwin, Fla.
r, Thos., contractor, Lewiston, Me.
Chas. A., & Co., contractors, Ann Arbor, Mich.
F. C., architect, 804 Penn av, Pittsburgh, Pa.
F. J., contractors, Rochester, N. Y.
Henry G., contractor, Rochester, N. Y.
J. M., contr, Collinsville, Ill.
N., Milling Co., flour, Cherryvale, Kans.
Power Generating Co., shaft bearings, 5115-19 Rosetta, itsburgh, Pa.
Thos. W., contr., Collinsville, Ill.
rum Const. Co., Century Bldg., St. Louis, Mo.
nan Bros., sand & gravel excavating & conveying machy., 138 Monadnock blk., Chicago, Ill.
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tuck Mfg. Co., button mfrs., Saugatuck, Conn.
ties Coal & Lumber Co., masons' & bldrs.' matls., Sauger-es, N. Y.
ties Fdy. & Mach. Co., Saugerties, N. Y.
Center Granite Co., Sauk Center, Minn.
City Canning & Pickling Co., Sauk City, Wis.
Rapids Granite Co., Sauk Rapids, Minn.
Eugene C., Pacific Coast Representative of Central Tube ., Monadnock Bldg., San Francisco, Cal.
ugh's, J. M., Sons, elec. wiring moldings, 180 Lewis, ew York.
w, G L., & Son, flour mills, Calhoun, Tenn.
ury Bros., canned goods, Ridgely, Md.
Mfg. Co., locomotive sanders, Worcester, Mass.
Architects, architects, 625 Chestnut, St. Louis, Mo.
Jno. R., cornices & skylights, Harrisonburg, Va.
ers, Arthur E., architect, Boulder, Colo.
ers, Chas. W., architect, Ry Exchange bldg., Seattle, Wash.
ers & Co., dies, models & envelope sealing machines, 1700 ooklyn av, Kansas City, Mo.
ers Cotton Mills, Saundersville, Mass.
ers', D., Sons, machsts. & fndrs., Yonkers, N. Y.
ers, E. E., & Co., fertilizer mfrs., Pensacola, Fla.
ers & Franklin, chemists, 184 Whittier av, Providence, . I.
ers, H. J., contractors, tents, 900 Hennepin av, Minne-olis, Minn.
ers, J. A., Co., plate & window glass, 11830 Detroit av, leveland, Ohio.
ers, Jos., Co., machsts., Dayton, Ohio
ers, T. A., & Son, masons' & bldrs.' matls., Milton, Wis.
ers, W. J., architect, Laughlin Bldg., Los Angeles, Cal.
oit Canning Co., Utica, N. Y.
oit Toilet Paper Co., New Hartford, N. Y.
, Adolph, embroidering machs., River av & 151st, New ork.
Motor Co., motor trucks, 252 W. 64th, New York.

Sauselein, Geo. C., brick, Maple Shade, N. J.
Sauset, K., contractor, Bellingham, Wash.
Sauter, F. W., & Co., paint mfrs., 909 N. 9th, Philadelphia, Pa.
Sauters Coal Co., Leader News bldg, Cleveland, O.
Sauveur-Boylston, metallurgical engineers & metallurgical apparatus, Cambridge, Mass.
Savage Arms Corporation, guns & ammunition, Utica, N. Y.
Savage, B. B. & Co., mattresses, New Haven, Conn.
Savage Bros., lumber mfrs., Tacoma, Wash.
Savage Bros. Co., machsts., 2638 Gladys av, Chicago, Ill.
Savage, Chas. M., contractor, Anderson, Ind.
Savage Expansion Bolt Corp., 9 Debrosses, New York.
Savage, F. L., architect, Bar Harbor, Me.
Savage Fire Brick Co., Meyersdale, Pa.
Savage & Love Co., mill & facty. supplies, Rockford, Ill.
Savage, M. J., canned goods, Flatiron bldg., San Francisco, Cal.
Savage Mfg. Co., cotton duck & canvas, Savage, Md.
Savage Mfg. Co., tissue paper, Skowhegan, Me.
Savage Mountain Fire Brick Co., Frostburg, Md., & 2d Nat. Bk. Bldg., Pittsburgh, Pa.
Savage-Scofield Co., sand & gravel dlrs., Tacoma, Wash.
Savage Stanley Mfg. Co., gasovens, 414 S. Campbell, Chicago, Ill.
Savage Tire Co., San Diego, Cal.
Savage, W. E., mill & factory supplies, Fitchburg, Mass.
Savage, W. E., & Co., contractors, 39 Liberty, New York
Savage, W. J., Co., corn mills, mill & facty. supplies. Knoxville, Tenn.
Savage, Wm., architect, Amsterdam, N. Y.
Savannah Blow Pipe, Savannah, Ga.
Savannah Chemical Co., Savannah, Ga.
Savannah Guano Co., Savannah, Ga.
Savannah Iron & Wire Works, Savannah, Ga.
Savannah Kaolin Co., china, clay, etc., Savannah, Ga.
Savannah River Lumber Co., Savannah, Ga.
Savannah Roofing Co., Savannah, Ga.
Savannah Supply Co., mill, ry, & plbrs supplies, Savannah, Ga.
Savard, A., ink traps, 2412 Ames av, Omaha, Neb.
Savarsey, Frank, contractor, Billings, Mont.
Savell & Frost, lead dioxide, 732 Frankfort av, Cleveland, O.
Savels, O. M., & Co., machsts., Worcester, Mass.
Savery, Addison H., architect, Stephen Girard bldg., Phila., Pa.
Savery & Scheetz, architects, St. Girard Bldg., Philadelphia, Pa.
Savignano, Ferd, architect, 18 E. 41st, New York, & 6005 14th av, Brooklyn, N. Y.
Savill's, Thos., Sons, plumbers', mill & facty. supplies—jobbers, 1310 Wallace, Philadelphia, Pa.
Savo Mfg. Co., radiator air moisteners, 39 S. La Salle, Chicago, Ill.
Saw Mill Constr. Co., 351 Carondelet, New Orleans, La.
Saw Mill Products Co., lumber, South av, Pittsburgh, Pa.
Sawbridge, Jno., cornices & skylights, North Yakima, Wash.
Sawders Paving & Constr. Co., Union Bk. Bldg., Pittsburgh, Pa.
Sawin, L. H., models & patterns, Gardner, Mass.
Sawtelle, M. P., contrs., Albuquerque, N. Mexico.
Sawyer, Avila, contractor, Lowell, Mass.
Sawyer Belt Hook Co., Pawtucket, R. I.
Sawyer Belting Co., ft. Lisbon rd, S. E., Cleveland, Ohio.
Sawyer Brass & Iron Fdy., Oswego, N. Y.
Sawyer, C. L., comealongs or wire pullers, Millers Falls, Mass.
Sawyer, C. M., lumber mfrs., Hardwick, Vt.
Sawyer Canning Co., Atkinson, N. H.
Sawyer Carriage Co., Lowell, Mass.
Sawyer, E. C., carriages, Beverly, Mass.
Sawyer, Edw. G., Co., mill engrs., 12 Providence ct., Boston, Mass.
Sawyer Gear & Mfg. Co., 5120 St. Clair, N. E., Cleveland, Ohio.
Sawyer-Goodman Co., lbr. mfrs., Marinette, Wis.
Sawyer, H. M., & Sons, oiled cloth, Cambridge, Mass.
Sawyer, Houghton, archt., Hearst bldg, San Francisco, Cal.
Sawyer, Howard B., Oil Co., metal polish, 62 Long wharf, Boston, Mass.
Sawyer, J. E., & Co., whol. hdwe., Glens Falls, N. Y.
Sawyer, Otis C., lbr., Sharon, Vt.
Sawyer, Philip ,archt., 50 E. 41st, New York.
Sawyer Tool Mfg. Co., gauges, rules, squares, etc., Ashburnham, Mass.
Sawyer, W. F. & J. T., contrs. & sash, door & blind mfrs., Norfolk, Va.
Sawyer, W. H., & Sons Co., machinery, Americus, Ga.
Sawyer & Watrous, archts., Hippel Bldg., Des Moines, Ia.
Sax, Alfred R., Lumber Co., 18 B'way, New York.
Sax, Moritz, architect, 4th Nat. Bk. Bldg., Cincinnati, Ohio.
Saxe, Albert M., architect, 64 E. Van Buren, Chicago, Ill.
Saxe, E. W., Pottery Co., 3519 E. 71st, Cleveland, Ohio.
Saxellbye, H. F., archt., St. James Bldg., Jacksonville, Fla.
Saxer, Creider, Machy Co., dlrs., Erie, Pa.
Saxer Paper Mills, Syracuse, N. Y.
Saxman, P. H., machy. dlrs., Latrobe, Pa.
Saxon Mfg. Co., auto accessories, 1034 Grand av, Toledo, Ohio.
Saxon Motor Car Co., 917 Bellevue av, Detroit, Mich.
Saxonville Mills, carriage robes, 93 Summer, Boston, Mass.
Saxony Knitting Co., gloves & mittens, Seattle, Wash.
Saxony Knitting Mills, knitted gloves, Needham Heights, Mass.
Saxony Mills, flour, St. Louis, Mo.
Saxton Heating Co., 405 6th av. S., Minneapolis, Minn.
Saxton & Howe, Tremont bldg, Boston, Mass.
Saxton & Strong, masons' & bldrs.' matls., Bristol, Conn.

Saxton Woolen Co., woolen carriage cloth, Norwich, Conn.
Sayers & Scovill Co., automobile bldrs., Gest, Cincinnati, Ohio.
Sayford Paper Specialty Co., dishes, etc., 200 5th av, New York.
Sayle, Thos., Jr., granite producers, New London, Conn.
Sayles, A. L., & Sons, carriage cloth, Pascoag, R. I.
Saylor, D. L., & Son, masons' & bldrs.' matls., Annville, Pa.
Saylor Elec. & Mfg. Co., flexible metl. conduits, 115 S. Main, Pittsburgh, Pa.
Sayman, Dr. Thomas M., soap, 2121 Franklin av, St. Louis, Mo.
Sayre, C. Gadsden, architect, Anderson, S. C.
Sayre & Fisher Co., brick, 261 Broadway, New York.
Sayre, Jas. H., Jr., & Co., masons' & bldrs.' matls., River, Newark, N. J.
Sayre, L. A. Co., adze mfrs; plumbers' soil cups, chisels, etc., 332 Mulberry, Newark, N. J.
Sayre Metal Co., aluminum leaf, Sayre, Pa.
Sayre Stamping Co., Sayre, Pa.
Sayre, T. F., & H. C., masons' & bldrs.' matls., Elizabeth, N. J.
Sayers, Iven H., canned goods, Westminster, Md.
S. B. R. Specialty Co., compounds, valve grinding, East Orange, N. J.
Scaar, Frank, & Co., archl. iron, 1042 W. 11th, Chicago, Ill.
Scagliola Mfg. Co., marble, 255 Lexington av, New York.
Scaife Foundry & Machine Co., roll turning lathes, German Nat. Bk. Bldg., Pittsburgh, Pa.
Scaife, Wm. B., & Sons Co., tanks, steel barrels, structural steel & plate work, water purifiers, softeners & filters, 1st Nat. Bk. bldg., Pittsburgh, Pa., 26 Cortlandt, New York, & 38 Dearborn, Chicago, Ill., Works at Oakmont, Pa.
*See adv. index at end of book*
Scala, Vincent, contractor, 73 Carroll, Brooklyn, N. Y.
Scalborn Mfg. Co., machinists, 11 S. Desplaines, Chicago, Ill.
*See adv index at end of book.*
Scales, W. J., architect, Glens Falls, N. Y.
Scallon Supply Co., mill & factory supplies, 121-3 W. Third, Cincinnati, Ohio
Scallon, W. E., Co., drill holders, 1122-26 Gest, Cincinnati, O.
Scam, S., & Son, machst., South Norwalk, Conn.
Scandinavia Belting Co., 106 Reade, New York.
Scanlan-Morris Co., hospital furniture, Madison, Wis.
Scanlon, Michael J., contractor, New Castle, Pa.
Scannell Boiler Wks., Lowell, Mass.
Scannell, John, Co., soap, 3208 S. Robey, Chicago, Ill.
Scarborough-Davies Co., contractors, Evansville, Ind.
Scarborough Motor Guide Co., maps, Indianapolis, Ind.
Scarritt-Comstock Furn. Corp., reclining chairs, 817 Washington av, St. Louis, Mo.
Scattergood, H. W., Co., paste, ink wells, etc., 1722-28 W. Venango, Phila., Pa.
Schaad, Ben. D., Machy. Co., Little Rock, Ark.
Schaad, Paul, plbrs. & steam fitters' supplies, etc., 179 Pearl New York
Schaaf, Adam, organs, 700 W. Madison, Chicago, Ill.
Schaaf Co., contrs., Mutual Life Bldg., Buffalo, N. Y.
Schaaf & Schnaus Mfg. Co., sash, door & blind, Jasper, Ind.
Schacht, B., archl. iron, 279 E. 148th, New York.
Schacht, Emil, architect, Commonwealth Bldg., Portland, Ore.
Schacht, G. A., Motor Truck Co., Gest & Evans, Cincinnati, O.
Schacht, Martin, Pettock Bldg., Portland, Ore.
Schacht Rubber Mfg. Co., Huntington, Ind.
Schack, J. H., architect, Lippy Bldg., Seattle, Wash.
Schad, Alva, machst., Carlock, Ill.
Schad, Chas., ladders & scaffold bldrs., 11 Jefferson, B'klyn, N. Y.
Schad, Fred, & Son Iron Wks., 1117 S. Crawford av, Chicago, Ill.
Schad, Jos., contractor, Wilmington, N. C.
Schade Valve Mfg. Co., 2528 N. American, Philadelphia, Pa.
Schade, Wm. C., architect, 50 Beaver, Albany, N. Y.
Schadel, J., & Co., scrap iron, Springfield, Ohio.
Schadewald Mills, hair cloth mfrs., 3d & Huntington, Phila., Pa.
Schadler, F. M., architect, Reno, Nev.
Schadt, Conrad H., contr., Silvis, Ill.
Schadt, Wm., sashes, doors & blinds, Galveston, Tex.
Schaedel & Bro. Co., contractors, 118 Bruce, Newark, N. J.
Schaedle, Geo. W., contractor, 133 Devoe, Brooklyn, N. Y.
Schaefer, Chas., Jr., architect, 2853 3rd av, New York
Schaefer, H. P., masons' & bldrs.' matls., Schulenburg, Tex.
Schaefer & Beyer, blow torches, 52 Bragaw av, Newark, N. J.
Schaefer Brass Mfg. Co., shade holders, 815 Clark av, St. Louis, Mo.
Schaefer Bros. Co., rheostats, switchboards, 1059 W. 11th, Chicago, Ill.
Schaefer & Co., plumbers' supplies—jobbers, 146 Clinton, Buffalo, N. Y.
Schaefer Constr. Co., 5 W. 31st, New York.
Schaefer, E. P., brick, Latty, Ohio.
Schaefer, Edw., stone producer, Toccoa, Ga.
Schaefer, Emil, fndrs., 1322 N. 5th, Philadelphia, Pa.
Schaefer, Geo., cornices & skylights, Memphis, Tenn.
Schaefer, Gustav, Wagon Co., carriages, 4180 Lorain av, Cleveland, Ohio.
Schaefer, Joseph, mattresses, Ft. Wayne, Ind.
Schaefer, Louis, archl. wood turning, etc., 1444 W. 21st, Chicago, Ill.
Schaefer, McLaughlin Co., brushes, 395 Reed, Milwaukee, Wis.
Schaefer Mfg. Co., see Johnson & Thompson (successors).
Schaefer, Max, Co., silk shades, 26 Warren, New York.
Schaeffer Piano Mfg. Co., 218 S. Wabash av, Chicago, Ill.



Schaefer Robt. T., architect, 1526 Flatbush av, Brooklyn, N. Y.
Schaefer Rubber Co., mill & factory supplies, 15 E. Grand River, Detroit, Mich.
Schaefer Tent & Awning Co., Denver, Colo.
Schaefer, Wm. F., cornices & skylights, 692 S. 11th, Newark, N. J.
Schaefer, Wm., fndrs., Columbus, Ohio.
Schaeffer Bros. & Powell Mfg. Co., plumbers', etc., candles; soap, Barton & Kosciusko, St. Louis, Mo.
Schaeffer & Budenberg Mfg. Co., Berry & S. 5th, Brooklyn, N. Y.
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Schaeffer, Gengnagel & Co., masons' & bldrs.' matls., Dayton, O.
Schaeffer, Geo. H. T., & Co., contractors, Atchison, Kans.
Schaeffer, J. M., blankets, flannels, woolen, Sandy Lake, Pa.
Schaeffer Mach. Wks., 35th & Gray's Ferry rd, Phila., Pa.
Schaeffer, R. F., slate stair treads & risers, Bangor, Pa.
Schaeffer & Schwartzkopf, flour, Columbus, Ind.
Schaeffer, Wanner & Co., masons' & bldrs.' matls., Fleetwood, Pa.
Schaettler, F., interior hardwood wk., 533 W. 34th, New York.
Schafer, E. G. & Co., steam fitters' & plumbers' supplies—jobbers, 218 13th, N. W., Washington, D. C.
Schafer, F., & Son, machsts., South Bend, Ind.
Schafer, Jos., willow ware mfrs., Liverpool, N. Y.
Schafer, Louis N., lbr., Argos, Ind.
Schafer, Wellington J., architect, Spencerian bldg, Cleveland, Ohio
Schaff Bros. Co., pianos, Huntington, Ind.
Schaff Piano String Co., 2011 Clybourne av, Chicago, Ill.
Schaffer, Chas. W., Co., plumbers' supplies, 3214 Chestnut, Philadelphia, Pa.
Schaffer Engineering & Equipment Co., Peoples Bank Bldg., Pittsburgh, Pa. *See adv index at end of book.*
Schaffer, G. W., brick, Spencerville, Ohio.
Schaffer, J. C., handles (wood), Delphos, Ohio.
Schaffer, John P., htg. contrs., 108 Wood, Pittsburgh, Pa.
Schaffer Tinware Mfg. Co., wash boilers, 76 Sedgwick, Brooklyn, N. Y.
Schaffer, W. H., harness, Stockton, Cal.
Schaffner Bros. Co., meat packers, Erie, Pa.
Schaffner, Geo., stone producer, Butler, Pa.
Schaible & Houser, wholsale hdwe., Troy, Ohio.
Schairer, Geo. E., hay racks, Saline, Mich.
Schal, Jno. D., & Co., machsts., Chambersburg, Pa.
Schalker Packing Co., meat, Leavenworth, Kans.
Schall, A., & Co., stone, Omaha, Neb.
Schall Packing Co., Atlantic Wharf, Baltimore, Md.
Schaller Bros., elec. contrs., Torrington, Conn.
Schaller & Goebel, carriages, Mendota, Ill.
Schaller-McKey Lumber Co., Janesville, Wis.
Schantz, A. J., Sons & Co., organs, Orville, Ohio.
Schantz & Eckert, machsts. & fndrs., Perth Amboy, N. J.
Schaper Const. Material Co., carriage & machine bolts, spikes & washers, 90 West, New York.
Schaper & Koch, meat packers, Fort Madison, Ia.
Schapirgraph Co., duplicating app., 228 W. B'way, New York.
Schapper Chem. Co., calcium permanganite & methylene blue, 192 Clark, Chicago, Ill.
Schardin, F. H., architect, 911 O, Sacramento, Cal.
Scharf Tag & Label Co., Ypsilanti, Mich.
Scharmer Constr. Co., 139 N Clark, Chicago, Ill.
Scharsmith, Jno. E., architect, 523 W. 146th, New York.
Schartow Mfg. Co., chains, clips, hame loops, saddlery hdwe., etc., Milwaukee, Wis.
Schartzer, G. H. Co., contractors, 1832 Ludlow, Dayton, Ohio.
Schastey, Geo. A., architect, 681 Market, San Francisco, Cal.
Schatt & Morgan Cutlery Co., Titusville, Pa.
Schatz Mfg. Co., bearings, punches & shears, Poughkeepsie, N. Y.
Schatzman, P., & Son, cornices & skylights, Glendale, Ohio.
Schaub, Justus, masons' & bldrs.' matls.—contr., Hazleton, Pa.
Schaum, John G., htg. contrs., Lancaster, Pa.
Schaum & Uhlinger, textile machy., Glenwood av & N. American, Philadelphia, Pa.
Schaumberg, Henry, Jr., archt., 3631 Conn., St. Louis, Mo.
Schawe, G. C., cornices & skylights, Lexington, Mo.
Schawel, J., & Co., assayers & refiners, 26 John, New York.
Scheel, K. H., architect, Pier 1, Seattle, Wash.
Scheel, Wm. H., color mfrs., oils, pigments, varnish gums, etc., 159 Maiden la., New York *See adv. index at end of book*
Scheele, Hy., Jr., stone prod., Sheboygan, Wis.
Schefcik, Frank J., architect, Park av & 176th, New York.
Scheffel & Son, stone, Grand Island, Neb.
Scheffer, Morris L. J., architect, Islip, N. Y.
Scheffer & Rossum Co., harness, saddles, etc., 104 E. 10th, St. Paul, Minn.
Scheible-Moncrief Heater Co., 1444 W. 9th, Cleveland, Ohio.
Scheibler, Fred'k, architect, 6024 Penn av, Pittsburgh, Pa.
Scheidenhelm, Ed. D., contractor, Wilmette, Ill.
Scheidenhelm, Edw. L., Co., contrs., 111 W. Monroe, Chicago, Ill.
Scheiderer, Byron, architect, Majestic Bldg., Milwaukee, Wis.
Scheidig, Jno., & Co., telescopes, goggles, opera glasses, 32 Maiden la, New York
Scheidler Machine Works, Newark, Ohio.
Scheier, John H., architect, 25 W. 42d, New York.
Scheinman, I. L., & Co., machine wipers, 38 Sherman, Detroit, Mich.
Scheipering, Gustav, cornices, Quincy, Ill.

iter, Jos. J., & Co., hair cloth mfrs., 3d & Huntington, Philadelphia, Pa.
ldt Mfg. Co., sash, door & blind mfrs., 4433 N. Crawford av, Chicago, Ill.
lhase, J. H., carriages, Canton, Ohio.
ll, C. A., Provision Co., Akron, Ohio.
l Chemical Co., 56 Pine, New York.
l, J. A., cornices, & skylights, Miamisburg, Ohio.
l & Kroner, cornices, Quincy, Ill.
l, M. P., Mfg. Co., cut gears, 342 Howard, San Fran., Cal.
l, P. A., & Co., mill & facty. supplies, Somerset, Pa.
l, R. Montgomery, architect, 67 Wall, New York
lenbach-Hunt Tool Co., Murdock Bldg., Cincinnati, Ohio.
lenberger, C. F., floor & tile & slaters' tools, Bldrs.' Exchange, Philadelphia, Pa.
lenberger, F. F., & Co., contractors, Oliver Bldg., Pittsburgh, Pa.
llentrager, Louis F., & Co., stone carvers, E. 10th & Canfield ct, Cleveland, Ohio.
llings, C. J., & Co., glycerine, 160 Pearl, New York.
lly, C. Y., & Bro., hdwe.—whol., Allentown, Pa.
nmel, Geo. C., welding apparatus, Wapakoneta, Ohio.
nck, Albert E., architect, Real Est. Tr. Bldg., Phila., Pa.
nck Bros., carriages, Great Neck, N. Y.
nck, Geo., & Co., contractors, Butler, Pa.
nck, M. B., Co., Division of The Bossick Co., bed & stove easters, 38 Austin, Bridgeport, Conn.
nck Mfg. & Supply Co., machsts., Parker's Landing, Pa.
nck & Mead, architects, 105 W. 40th, New York.
nck, T. L., contractor, Butler, Pa.
nck & Williams, architects, Mutual Home Bldg., Dayton, O
ncke Piano Co., 245 E. 137th, New York.
ndel, Chas., contr., Danville, Ill.
nectady Contr. Co., Schenectady, N. Y.
nectady Linonite Co., insulating cloth, Schenectady, N. Y
nectady Tile Co., flooring, Schenectady, N. Y.
nectady Varnish Co., Schenectady, N. Y.
ninger, J. A., & Bro., corn brooms, Syracuse, N. Y.
nk, E. B., Hdwe. Co., cornices & skylights, Mount Vernon Ind.
nk, F., & Sons Co., meat packers, Wheeling, W. Va.
nkemeyer, Chas., & Sons, contractors, Johnstown, Pa.
nkler, Philip, halters & horse hair, 2060 Bergen, Brooklyn, N. Y.
ppele, Chas. A., gasoline marine engines, Dubuque, Ia.
rbner, Paul, Iron Wks., 306 E. 123d, New York.
rer, H., & Co., carriage fasteners, separators, sockets, etc., 280 E. Jefferson av, Detroit, Mich.
rer Mach. Co., Danville, Ill.
rer & Mountain, contrs., Ironton, Ohio.
rer, Wm. C., & Co., sash, door & blind mfrs., 810 W. Baltimore, Baltimore, Md.
rer, Wm., Mfg. Co., metal patterns, 1384 E. 40th, Cleveland, Ohio.
ring & Glatz, medical specialties, 150 Lane, New York
rmerhorn, Clarence E., architect, 430 Walnut, Phila., Pa.
rmerhorn, Richard, Jr., landscape architect, 363 Lexington av, N. Y.
rmuly Mfg. Co., machsts. & fndrs., Wichita, Kans.
rpe, B., & Sons, pianos, 2102 Clybourn av, Chicago, Ill.
rzer Rolling Lift Bridge Co., Monadnock blk, Chicago, Ill.
ttler, C. A., & Co., electric car headlights, 419 Erie Bldg. Cleveland, Ohio.
tzel, M. P., architect, Blake & Moffit Bldg., Oakland, Cal.
ubner, Herman J., coppersmiths, 424 E. 110th, New York.
ve, J. L., Lbr. Co., Hall & St. Louis, av, St. Louis, Mo.
we, Chas. R., Co., contractors, Chamber of Commerce, Detroit, Mich.
ck-Johnson Co., bank fixtures, 1737 N. Paulina, Chicago, Ill.
k, Wm., & Son, 2917 So. 48th av, Cicero, Ill.
k, Wm., Mfg. Co., mattresses, Topeka, Kans.
kel Motor Co., Stamford, Conn
be, E. F., sewing trays, Somerville, Mass.
ble Toy & Nov. Co., Dayton, Ohio.
che, Frank, brick, Freeman, Wash.
effelin & Co., camphor, carbolic acid, 170 William, New York.
ld, Wm., Mfg. Co., lye, 619 N. 2d, St. Louis, Mo.
lke & Blommer, carriages, 327 5th, Milwaukee, Wis.
r, B. H., brick, West Point, Ia.
ren, Chas. A., Co., leather belting, 30 Ferry, New York.
tinger & Ladwig, cornices, Bridgeport, Conn.
f, Wm. J., Lumber Co., Florence, Ala.
fferle, Fredolin, water htrs., 1206 S. B'way, St. Louis, Mo.
ffers, Peter & Sons, machsts. & fndrs., San Antonio, Tex.
ld Specialty Co., ball cocks, 111 High av, Cleveland, Ohio.
dwachter Automobile Co., 1887 Park av, New York.
ll Bros. Co., fndrs., Crestline, Ohio.
ll, Fredk, & Co., sash, door & blind mfrs., 784 Springfield av, Newark, & Irvington, N. J.
ller, Fred'k, & Co., machsts., 323 N. 3d, Phila., Pa.
ller, Jos. F., blow-off valves, 316 S. Lawrence, Phila., Pa.
ler, Nolan & Co., blow-off valves, Darien & Wood, Phila., Pa.
ller Piano Co., Oregon, Ill.
ller, V., architect, 391 10th, Astoria, N. Y.
lling, Adam & Sons, engines, 211 Main, San Francisco, Cal
ling, Chas., sword scabbards, 938 Diamond, Phila, Pa.

Schilling, Frederick, oils & boiler compounds, 617 Greenwich, New York.
Schilling, John N., cornices, 479 N. 20th, Columbus, Ohio.
Schillinger, A. J., & J. G., tubular boilers, Moline, Ill.
Schillinger Bros., contractors, Illinois, Detroit, Mich.
Schillinger Bros., Co., contractors, 215 City Park av, Toledo, O.
Schillinger Construction Co., 2315 N. Seeley av, Chicago, Ill.
Schillinger, G. A., contractor, 2315 N. Seeley av, Chicago, Ill.
Schillner, G. C., architect, Rome, N. Y.
Schimmel & Co., pianos, Faribault, Minn.
Schimmel, Reid & Co., machinery, Faribault, Minn.
Schimper, Wm. & Co., silver novelties, etc., 322-338 Ferry, Hoboken, N. J., & 33 Union sq. West, New York.
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Schimplefenig, Chas., cornices, Lafayette, Ind.
Schindler, A. J., Co., machsts., 1314 W. 21st, Chicago, Ill.
Schindler, Chas., advertising novelties, Toledo, Ohio.
Schindler, H., & Co., carriages, 174 Spear, San Francisco, Cal.
Schingel, Jos., Jr., contractor, Danville, Ill.
Schinnerer, Geo., cooperage stock, Columbus, Ind.
Schippel, Albert, architect, Mankato, Minn.
Schirm, F., Contracting Co., 4336 College av, St. Louis, Mo.
Schirm, J. S., Commercial Co., masons' & bldrs.' matls., San Diego, Cal.
Schirmer, Bugbee & Co., archts., 577 14th, Oakand, Cal.
Schlachter, Henry, contractor, 348 Alpha pl, Brooklyn, N. Y.
Schlachter, Phillips, Jr., masons' & bldrs.' matls.—contr., Streator, Ill.
Schlachter's, Jacob, Sons, meat packers, 2839 Colerain av, Cincinnati, Ohio.
Schlacks, Henry J., architect, 721 N. Mich. av, Chicago, Ill.
Schlafer Hardware Co., Appleton, Wis.
Schlangen Bros. Co., beer racking & spec. machy., 2435 Irving Park blvd, Chicago, Ill.
Schlater, R. H., cornices & skylights, Des Moines, Ia.
Schlatter, C. C., & Co., mill & facty. supplies—whol. hdwe., Fort Wayne, Ind.
Schlechter, Edw. H., badges & buttons, Allentown, Pa.
Schlecte, Wm., brick, Okawville, Ill.
Schlede, Christian, brick, Kingston, N. Y.
Schlegel, Chas. H., contractor, Mt. Penn, Pa.
Schlegel, Dan'l, machst., Boyertown, Pa.
Schlegel Mfg. Co., silk fringes & trimmings, Rochester, N. Y.
Schlegel, Oscar, Mfg. Co., bronze powders, enamels, varnishes, etc., 124 E. 13th, New York.
Schleicher Motor Vehicles Co., 37 W. 14th, New York.
Schleit, W. A., Mfg. Co., Inc., garage heaters, Syracuse, N. Y.
Schlelein, F. P., Mach'y Co., 32 W. Parkway, N. S., Pittsburgh, Pa.
Schlemmer, Oliver Co., heating contr., 1060 Hulbert av, Cincinnati, Ohio.
Schlesinger Bros., advtg. post cards, 141 5th av, New York.
Schlesinger Bros., brick, Colorado Springs, Colo.
Schlesinger, Leo, & Co., advtg. nov.; tinware mfrs., etc., 64 Wooster, New York
Schlesinger, W. & S., & Co., bedstead mfrs., 137 5th av, New York, & Richardson, Brooklyn, N. Y.
Schlitz, Philip, machst, Wauseon.
Schleunes, J. F., contractor, Duluth, Minn.
Schley Carriage & Wagon Co., Memphis, Tenn.
Schley, Geo. & Sons., architects, 424 E. Water, Milwaukee, Wis.
Schlichter, E. F., Co., wooden tank mfrs., 10 S. 18th, Phila., Pa.
Schlichter Jute Cordage Co., 20 N. Front, Phila., Pa.
Schlichter, P. M., & W., marble, 636 1st av, New York.
Schliemann's Oil & Ceresine Co., 25 Beaver, New York.
Schliesser, Wm., & Arnold, brick, Sherwood, Ohio.
Schlitz, Philip, machst., Wauseon, Ohio
Schlom, Meyer J., cornices & skylights, Houston, Tex.
Schlorer & Son, meat packers, Camden, N. J.
Schlosberg & Cohen, contractors, Ann & Aramingo, Phila., Pa.
Schloss, E. (Est. of), tree moss, Baton Rouge, La.
Schloss, E., & Co., tea wagons, Grand & E. River, New York.
Schloss, Jos. W., Co., crochet buttons, 160 5th av, New York.
Schlosser, Frank, stone producer, Covington, Ky.
Schlosser, Henry, architect, San Rafael, Cal.
Schlosser, Jacob, & Son, cornices, Hamilton, Ohio.
Schlosser Mfg. Co., machsts., 151 E. 126th, New York.
Schlosser, W. A., contr., Cullman, Ala.
Schlossman, M., & Son, plbrs.' supplies, 208 E. 34th, New York.
Schlotter, Frank J., architect, 113½ Upper 4th, Evansville, Ind.
Schluckebier Hardware Co., Petaluma, Cal.
Schlueter, M. L., floor polishing, scraping & surface machines, 225 W. Illinois, Chicago, Ill.
Schlueter Mfg. Co., japanned & tinware mfrs., B'way & John av, St. Louis, Mo.
Schlueter, R., & Co., cutting dies, 297 Wash., Newark, N. J.
Schlueter, Stephen, machst., Napoleon, Ind.
Schlutt & Archut, contractors, St. Joseph, Mich.
Schmadel Packing & Ice Co., meat packers, Evansville, Ind.
Schmahl, Jacob, Co., tin plate, etc., 28 Lloyd, Buffalo, N. Y.
Schmalz, C. F., buttons, Muscatine, Ia.
Schmatolla, Ernst, combustion & metallurgical engrs., 217 B'way, New York
Schmauss Co., meat packers, Rockford, Ill.
Schmedien, W. H., carriages, Coldwater, Mich.
Schmeers Paper Box Co., sample cases, paste, Syracuse, N. Y.
Schmeiser Mfg. Co., agricultural implements, Davis, Cal.
Schmeling & Alter, steel stacks, Fort Wayne, Ind.

Schmeltz, F. L., Co., archts.., 1st Nat. Bk. Bldg., Pittsburgh, Pa.
Schmelzer & Schavy, contrs., Little Rock, Ark.
Schmetzler, Chas. H., architect, Fairbury, Ill.
Schmick, W. H. Slattery, Inc., trav. bags & suit cases, 873 B'way, New York.
Schmid Bros., machsts. & fndrs., Lancaster, Pa.
Schmid, E., Co., surgical instruments, 912 foot Wayne av, Indianapolis, Ind.
Schmid, Emil, architect, 319 Spring, Pittsburgh, Pa.
Schmid, John, bank fixtures, 58 Oak, San Francisco, Cal.
Schmid, Leopold, surgical instruments, 1241 Buttonwood, Phila., Pa.
Schmid Mfg. Co., hdwe. mfrs., Dubuque, Ia.
Schmid, Matthew, contractor, 1308 N. 6th, Phila., Pa.
Schmid & Parker Packing Co., meat, Sacramento, Cal.
Schmid, R. G. & Co., architect, 154 W. Randolph, Chicago, Ill.
Schmidt, Arthur F., cornices, 2012 Cedar, Milwaukee, Wis.
Schmidt, A. R., Electric Co., switchboards, 262 E. Water, Milwaukee, Wis.
Schmidt & Ault Paper Co., York, Pa.
Schmidt, B. L., Co., machsts. & fndrs., Davenport, Ia.
Schmidt-Backman Co., paper boxes, Sacramento, Cal.
Schmidt Bros., contractors, Superior, Wis.
Schmidt Bros., lbr., Plummer, Idaho.
Schmidt Bros., machsts., 909 Faile, New York.
Schmidt Bros., & Co., flour mills, Elkader, Ia.
Schmidt Bros. Construction Co., 105 N. Clark, Chicago, Ill.
Schmidt Building Co., 966 30th, Milwaukee, Wis.
Schmidt, C., Co., butchers' machy. & supplies, Livingston & John, Cincinnati, Ohio.
Schmidt Construction Co., 133 W. Washington, Chicago, Ill.
Schmidt Cut Stone Co., South Bend, Ind.
Schmidt, D. H., Carriage & Wagon Co., St. Joseph, Mo.
Schmidt-Dauber Co., pianos, 444 W. 13th, New York.
Schmidt, David H., Co., piano key hammers, Poughkeepsie, N. Y.
Schmidt, Edw. L., machsts. & brass fndrs., Amsterdam, N. Y.
Schmidt, F. L., Co., 11th av & 21st, New York.
Schmidt, F. W., crushed stone & trap rock, Morristown, N. J.
Schmidt, G. L., cottonseed meal, Lincoln, Ala.
Schmidt, Geo., cornices & skylights, Oldenburg, Ind.
Schmidt, Geo., windmills, East Williston, N. Y.
Schmidt, Geo. A., Co., soap, 236 W. North av, Chicago, Ill.
Schmidt, Geo. P., Co., cornices & skylights, 1020 E. Ohio, Pittsburgh, Pa.
Schmidt, Geo. T., name plates, 136 W. Lake, Chicago, Ill.
Schmidt, Geo. W., brick, 180 Linwood av, Buffalo, N. Y.
Schmidt, H., & Co., cornices, 451 S. Clark, Chicago, Ill.
Schmidt, H. E., & Co., reeds, New Bedford, Mass.
Schmidt, J. C., fndrs., Passaic, N. J.
Schmidt, John, willowware mfrs., Cincinnati, Ohio.
Schmidt, John J., architect, 352 Avenue C, Bayonne, N. J.
Schmidt, Jos., machst. & fndr., Moline, Ill.
Schmidt, Lorentz, 126 N. Market, Wichita, Kans.
Schmidt, Matthew, stone producer, Grand Rapids, Mich.
Schmidt, Matt. B., architect, 347 Madison av, New York
Schmidt, Oscar, musical instruments, 87 Ferry, Jersey City, N. J.
Schmidt, P. C., architects, Shukert Bldg., Kansas City, Mo.
Schmidt, P., & Co., stone, 3038 Galena, Milwaukee, Wis.
Schmidt, Phil, contrs., Cissna Park, Ill.
Schmidt, Philip, contractor, Youngstown, Ohio.
Schmidt, Richard E., architect, 104 S. Michigan av, Chicago, Ill.
Schmidt, Sam'l, cornices, 162 N. Desplaines, Chicago, Ill.
Schmidt & Stork Wagon Co., wagon spokes, West Bend, Wis.
Schmidt, W. H. & Sons Co., sash, door & blind mfrs., 52 State, Milwaukee, Wis.
Schmidt, W. J. & E., contrs., Berkeley, Cal.
Schmidt, W. T., architect, 1625 W. 10th, Oklahoma City, Okla.
Schmidt Walter K. Co., wood stains, Grand Rapids, Mich.
Schmidt, William, architect, 1188 Main, Bridgeport, Conn.
Schmidt, Wm., contractor, 306 E. 159th, New York.
Schmidt, Wm. & Co., masons' & bldrs.' matls, Tipton, Mo.
Schmidt, Wm. F. & Co., machsts., 3149 Texas, St. Louis, Mo.
Schmidt, Wiphart, brick & tile, Kenton, O.
Schmidtman's, Theo. Sons Co., pads & tablets, Manitowoc, Wis.
Schmidtt, H., & Son, bldg. contrs., 430 Farwell, Milwaukee, Wis.
Schmied, Sisman Co., contractors, 385 Beauport, Detroit, Mich.
Schmile, Carl, & Son, architects, Prudential Bldg., Buffalo, N. Y.
Schminke, H., Co., cornices, Evansville, Ind.
Schmit Trunk & Bag Co., Oshkosh, Wis.
Schmitt, Anthony, F. A., architect, 281 E. 201st, New York
Schmitt Bros., lbr., Gazelle, Cal.
Schmitt, Chas. N., glass stainers, 4th & Callowhill, Phila., Pa.
Schmitt & Co., contractors, Wilkes-Barre, Pa.
Schmitt, Edw. F., cornices, 521 Ludlow, Philadelphia, Pa.
Schmitt, Ernest, architect, Hannibal, Mo.
Schmitt, Frank, & Co., sashes, doors & blinds, Portland, Ore.
Schmitt & Henry Mfg Co., bed springs & mattresses, Des Moines, Ia.
Schmitt, J. B., contractor, 610 Sycamore, Cincinnati, O.
Schmitt, Jacob, masons' & bldrs. matls., Secaucus, N. J.
Schmitt, John A., Sons, contractors, Wilkes-Barre, Pa.
Schmitt, Max, brick, Cullman, Ala.
Schmitt, Maximillian, aeroplanes & supplies, Paterson, N. J.
Schmitt, W. J., architect, 9827 Lorain av, Cleveland, Ohio
Schmitt, W. M., contractor, Jamestown, N. D.
Schmittdiel, Benj. A., & Co., mill & facty. supplies, 19 E. Jefferson, Detroit, Mich.



Schmitten, F. W., & Co., lumber, Cashmere, Wash.
Schmitt's, Jno. A., Sons, masons' & bldrs.' matls., Wilkes-Barre, Pa.
Schmitz, Geo., & Bro., auto. wood bodies, 666 Genesee, Buffalo, N. Y.
Schmitz, Harley C., & J. J., architects, 3344 Observatory rd, Hyde Park, Cincinnati, O.
Schmitz, Jos., mattresses, Lancaster, Pa.
Schmitz, Moore & Co., silver nov., 407 Mulberry, Newark, N. J.
Schmoller & Mueller Piano Co., Omaha, Neb.
Schmook, H. B., mach. & fdr., Springfield, Mo.
Schmuck Co., masons' & bldrs.' matls., Hanover, Pa.
Schnaible, M., & J. Co., soap, Lafayette, Ind.
Schnair, Jacob, scrap brass, 28 W. 128th, New York.
Schnaitacher, Sylvan, architect, 233 Post, San Francisco, Cal.
Schnaufer Roofing Co., cornices & skylights, 816 Concord, Pittsburgh, Pa.
Schnauffer, Wm. A., motor driven heat cleaners, 200 W. 83d, New York.
Schnebelin, Fred., mchsts. & fdrs., Mascoutah, Ill.
Schnebly & Hostraswer, contrs., Oakland, Cal.
Schneck Mach. Co., 811 St. Paul, Milwaukee, Wis.
Schnee & Schnee, contrs, 1115 Main, Bridgeport, Conn.
Schnefel Bros., cutlery mfrs.; ink erasers, etc., 684 S. 17th, Newark, N. J.
Schneible, C. A., ale & beer pumps, 132 E. 121st, New York
Schneider, A. H., brick, Nicholasville, Ky.
Schneider, A. L., Co., toys, games & novelties, New Haven, Conn.
Schneider-Bowman Co., grey iron castings, Vandike & Frankford, Philadelphia, Pa.
Schneider Brick Co., Columbus, Ohio.
Schneider Bros., brick, Pearl River, La.
Schneider Bros., contractors, Hammond Bldg., Detroit, Mich.
Schneider Bros., sample cases, 32 W. Pearl, Cincinnati, Ohio.
Schneider & Brown Lumber Co., Marquette, Mich.
Schneider, Chas., Co., htg. contrs., 492 E. 163d, New York
Schneider, Chas. S., architect, 2248 Euclid av, Cleveland, O.
Schneider, Christ., & Son, conts., 1251 De Kalb av, Brooklyn, N. Y.
Schneider, Eberhard, mov. picture machs., 219 2d av, New York
Schneider, Ed., architect, Corona, N. Y.
Schneider, Edwin J., architects, Cuyahoga bldg, Cleveland, O.
Schneider, Emil, soldering flux, paste, salts & sticks, 298 South, Newark, N. J.
Schneider, F. H., lbr., Wausau, Wis.
Schneider, F. H., stucco work, 631 W. Belden av, Syracuse, N. Y.
Schneider, Ferd. T., architect, 1314 F, N. W., Washington, D. C.
Schneider Granite Co., 2140 DeKalb, St. Louis, Mo.
Schneider, H. C., contractor, 514 S. 14th, Newark, N. J.
Schneider Hardware Co., Erie, Pa.
Schneider, Harvey W., architect, Parkersburg, W. Va.
Schneider, Henry, contractor, Jefferson City, Mo.
Schneider, Henry J., architect, Council Bluffs, Ia.
Schneider, J. S., telephone mouthpieces, door openers, etc., Ridgefield, Conn.
Schneider, John A., & Co., carriages, 3717 Colerain av, Cincinnati, Ohio.
Schneider, Louis, stencils, monograms, 249 Market, Newark, N. J.
Schneider & Metzger, machsts., Peoria, Ill.
Schneider, Peter F., clothes washing machines, 21 E. Gd. River, Detroit, Mich.
Schneider, Walter W., architect, 120 So. Main, South Bend, Ind.
Schneiderville Granite Co., St. Louis, Mo.
Schneidt, Aug., curled hair mattresses, Muskegon, Mich.
Schnell Bronze Bearing Co., Inc., Buffalo, N. Y.
Schnell & Son, common brick, La Crosse, Wis.
Schneller, C. W., masons' & bldrs.' matls., Catasauqua, Pa.
Schner Block Co., buttons, Muscatine, Ia.
Schnetzky & Son, architects, Germania Bldg., Milwaukee, Wis.
Schnetzler & Son, contrs., Fairbury, Ill.
Schnitker & Sons Co., wood handles, New Haven, Ind.
Schnitzler, Chas. H., cornices, 215 N. 2d, Philadelphia, Pa.
Schnorr Bros. Co., packg. box mfrs., Manitowoc, Wis.
Schnuerer & Murray, advtg. nov., 15 E. 32d, New York.
Schnur, Peter, Printing Co., envelopes, Joplin, Mo.
Schnurmann, J., scrap rubber, 30 Church, New York.
Schnute-Holman Co., mfrs. & erectors interior hardwood wk., Evansville, Ind.
Schober, Geo. M., machsts., 3231 Market, Philadelphia, Pa.
Schoch, Christ, Lbr. Co., sash, door & blind mfrs., Manitowoc, Wis.
Schock, Gustav, & Son, machsts., 514 W. 57th, New York.
Schock Parlor Frame Co., picture frame mouldings, Minneapolis, Minn.
Schoder & Lombard Stamp & Die Co., dies & stamps, 202 Centre, New York.
Schoedinger-Marr Co., whol. hdwe., 102 N. High, Columbus, O.
Schoedlinger, F. O., 142 N. Third, Columbus, Ohio.
Schoolhorn-Albrecht Mach. Co., 721 N. 2nd, St. Louis, Mo.
Schoeller, A., architect, Corona, N. Y.
Schoellkopf Co., Dallas, Tex.
Schoen, Alex C., architect, 711 Bline av, West New York, N. J.
Schoen, Eugene, architect, 106 E. 19th, New York, & 371 Fulton, Brooklyn, N. Y.
Schoen-Jackson Co., carbureters, Media, Pa.

n-Jackson Co., brass, bronze & aluminum castings, Finance ldg., Philadelphia, Pa.
n & Walter Co., trunks, 762 11th, Milwaukee, Wis.
nborn, A. J., automobile trunks, Greenleaf, Kans.
nborn & Cowles Mfg. Co., screw mach. prod., 368 Mt. lliott, Detroit, Mich.
neberg, Fred, iron, 8th & Evans, Cincinnati, Ohio.
neman Bros. Co., lumber mfrs., Hawarden, Ia.
nemann, Fred, cornices, Rochester, N. Y.
nert, Carl, & Sons, jigs & fixtures, 633 So. 20th, Newark, . J.
newald, Robt., machsts., Philadelphia, Pa.
nfeldt, Frank, architect, 4058 W. Madison, Chicago, Ill.
nfeldt, Wm., machsts., 787 3d av, New York.
ngarth, Aug., common brick, Neillsville, Wis.
nhut, A., Co., pianos, & swords, Adams & Sepviva, Phila-lelphia, Pa.
nig, Wm. K., & Son, architect, 422 Springfield av, New-rk, N. J.
ning-Koenigsmark Milling Co., flour mills, Prairie Du Cocher, Ill.
nlau-Stelner Trunk Top & Veneer Co., 129 E. Fillmore, St. ouis, Mo.
nthaler, Ed, contr., Long Branch, N. J.
pfer, G., artificial eyes, 1423 E. 95th, New York.
pfle Mfg. & Lbr. Co., Sandusky, Ohio.
pflin, L. G., Co., automobiles, 80 W. Mohawk, Buffalo, N. Y.
eld Bros., lumber, Penna. Bldg., Philadelphia, Pa.
eld-Burkett Constr. Co., Macon, Ga.
eld & Co., agricultural implements, Freeport, Ill.
eld, Fred, machsts. & fndrs., Everett, Wash.
eld, Geo. L., cotton mchy., 123 N. Front, Phila., Pa.
eld, Geo. W., architect, First Nat. Bk. Bldg., Covington, Ky.
eld, J., & Son, woolen blankets, Madison, Ind.
eld Lance Co., lbr., Reading, Pa.
eld, Wm., Co., machsts. & fndrs., Krams av, Wilde, Phila-elphia, Pa.
eld's, J. S., Sons Co., mill & facty. supplies, Macon, Ga.
ding, C. E., cornices, Yonkers, N. Y.
er, Walter, architect, 801 State Life, Indianapolis, Ind.
es Bros., cornices & skylights, 1241 Reedsdale, Pittsburgh, a.
es, John, & Co., loom harness, etc., Lowell, Mass.
, Adam, machsts. & fndrs., 225 E. 138th, New York.
l Bros., brick, Lansdale, Pa.
l, Edw. Z., architect, 6th & Court, Reading, Pa.
l, Leonard & Sons, contractors, 298 12th, Detroit, Mich.
l, M. F., sash, door & blind, West Newton, Pa.
l, W. J., Co., steamfitters' supplies, Youngstown, Ohio.
ler Bros. Co., cotton softeners, 3301 Amber, Phila., Pa.
ler Mfg. Co., wrenches, 147 Leslie, Buffalo, N. Y.
horn, Wm., Co., hdwe. mfrs., New Haven, Conn.
ton, D. G., marble producers, Gouverneur, N. Y.
z, Arthur G., architect, Phelan Bldg., San Francisco, Cal.
z, F. J., & Son, stone prod., Evansville, Ind.
ze, E. W., fertilizer mfrs. & soap, Chattanooga, Tenn.
ze, Robt., Tannery, Chattanooga, Tenn.
ner, Hy., Co., spring beds, 509 Mather, Chicago, Ill.
bach, Anton, architect, 18 S. B'way, Yonkers, N. Y.
ewald, Geo. A., archit., Grand Central Term., New York.
thal, J., Iron Co., scrap iron & steel, Columbus, Ohio.
lhouse, J., Co., scrap iron, 293 Rider av, New York.
nmaker, A. G., & Sons, machy. dlrs., 25 Church, New York.
nmaker, A. O., insulating tape & washers, etc., 88 Park l, New York.
nover, Henry A., contractor, Columbus, Ind.
r, Sam'l, pearl buttons, West New York, N. J.
sch & Co., paper bags, 500 E. 133d, New York.
t, J. B., Saddlery & Mfg. Co., Quincy, Ill.
t-Suter Co., meat packers, 52 Randall, Providence, R. I.
t, Wm., Mach. Shop, Batesville, Ind.
te, Armin, architect, Marine Bk. Bldg., Erie, Pa.
tland, Benj., plate glass, 105 Wooster, New York.
ler Cement Const. Co., weather strips, 154 Frelinghuysen v, Newark, N. J.
ten, J. W., & Co., lumber, 738 Bryant, San Francisco, al.
erling, Daly & Gales, gun tubes & nipples, 302 B'way, lew York.
ck, C., & Co., paint mfrs., 152 N. 4th, Philadelphia, Pa.
de Cutlery Co., Walden, N. Y.
der, Geo. F., architect, Saranac Lake, N. Y.
der Iron Wks., fndrs., 1249 Harrison, San Francisco, Cal.
der, Whittick & Co., paint mfrs., 1318 Clybourne av, Chi-ago, Ill.
ler's, A., Son, Inc., automobile & cycle tire valves, parts & evices, diving apparatus, brass fittings for rubber goods, 83 Atlantic av, Brooklyn, N. Y.
m Glass Mfg. Co., bottles, Fed. Reserve Bk. Bldg., St. ouis, Mo.
mm, Chris. D., & Son, Inc., granite machy., 709 Arch, hiladelphia, Pa.
n, J. T., contractor, Sharpsburg, Pa.
ner, A. P., wood & metal patterns, Payne av & E. 23d, leveland, O.
uder & Co., meat packers, Monroe, Mich.

Schraven, J. T. & H. E., contractors, Salt Lake City, Utah
Schrayer's, M., Sons & Co., handles, shovels, etc., 917 W. 18th, Chicago, Ill.
Schreck & Waelty, cornices, 27 Hague, Jersey City, N. J.
Schreiber Bros., cornices & skylights, Blue Island, Ill.
Schreiber Carriage Mfg. Co., Chariton, Ia.
Schreiber, L., & Sons, Co., arch'l iron & structl. iron & steel work, 3869 Ivanhoe, Cincinnati, Ohio.
Schreick, J., & Co., cornices, 906 S. Preston, Louisville, Ky.
Schreiner, Chas., Co., masons' & bldrs.' matls., Kerrville, Tex.
Schreitmueller Stone Co., 174 Waverly av, Newark, N. J.
Schrenk & Co., mirrors, plate glass, Hoboken, N. J.
Schreyer, G., Co., fndrs., Columbus, Ohio.
Schridde, Wm., box printing dies, 358 W. Madison, Chicago, Ill.
Schrier, Walter, machsts., Utica, N. Y.
Schrik, H. & Co., Inc., contrs., 3722 W. Chicago av, Chicago, Ill.
Schrimpf, Chas. G., cornices & skylights, Spokane, Wash.
Schriver, O. P., & Co., hardware specialties, 621 E. Pearl, Cincinnati, Ohio.
Schrock & Squires, steel merchants, 293 Pearl, New York.
Schroder, J. B., & Co., hardware mfrs., 133 E. 5th, Cincinnati, Ohio.
Schroeck, Adolph, contractor, Erie, Pa.
Schroeder, A. J., boilers, Donaldsonville, La.
Schroeder Brick & Lime Co., Shakopee, Minn.
Schroeder Bros., sash locks, 902 Payne av, St. Paul, Minn.
Schroeder Bros. Mfg. Co., jigs and fixtures, 111 Brook, Torrington, Conn.
Schroeder, C. H., Co., sashes, doors & blinds, Toledo, Ohio.
Schroeder, E. J., cornices, Americus, Ga.
Schroeder, Edw., Lamp Wks., machsts. & fndrs., 716 Jersey av, Jersey City, N. J.
Schroeder, H. V., Mfg. Co., agricultural implements, Minier, Ill.
Schroeder Headlight & Generator Co., Evansville, Ind.
Schroeder, John, Lumber Co., Ft. Walnut, Milwaukee, Wis.
Schroeder Milling Co., see St. Joseph Milling Co. (successor).
Schroeder Paint Co., Lancaster, Pa.
Schroeder Paint & Glass Co., 47 Cadillac sq, Detroit, Mich.
Schroeder-Rutka Hdwe. Co., cornices, Howell, Mich.
Schroeder, S. E. Mfg. Co., clothes washing machines, Minier, Ill.
Schroeder, W. H. R., see Schroeder, E. J. (successor).
Schroepfer, Albert, architect, Nevada Bank bldg., San Francisco, Cal.
Schroeter Bros. Hardware Co., 810 Washington av, St. Louis, Mo.
Schroider Bros., contrs., Stockton, Ill.
Schroon River Pulp & Paper Co., Warrensburg, N. Y.
Schrope, H. H., thermometers, Allentown, Pa.
Schroth & Ahrens Co., sash, door & blind mfrs., 1534 S. Halsted, Chicago, Ill., & Winona, Minn.
Schroth, J. & F., Packing Co., meat, Cormany & Township av, C. W., Cincinnati, Ohio.
Schryver, A. C., Lbr. Co., Louisville, Miss.
Schubert, August, Wagon Co., auto. metal bodies, Oneida, N. Y.
Schubert, Bernard, contractor, 155 Jamaica av, Brooklyn, N. Y.
Schubert, C., architect, 366 5th av, New York.
Schubert, Robt., contr., Mascoutah, Ill.
Schubert's, Jos. C., Sons, contractors, 364 S. 11th, Newark, N. J.
Schuch, John L., cornices, 930 Diamond, Philadelphia, Pa.
Schuchter, Anton, contractor, Newport, Ky.
Schuchts, D. B., mill & facty. supplies, 215 President, Baltimore, Md.
Schuck, J. H., & Son, masons' & bldrs.' matls. & lbr. mfrs., Springfield, Ill.
Schuddemaye, Henry, contractor, Harrisburg, Pa.
Schueler Bros., carriages, 464 Milwaukee, Milwaukee, Wis.
Schueler, T., & Co., brass fndrs., 48 19th. av, Newark, N. J.
Schueler Ventilator Co., radiator shields, Bloomington, Ill.
Schuerenberg, F. W., agricultural implts., Brenham, Tex.
Schuesler, Edw. A. (Est. of), 254 Weiss, Buffalo, N. Y.
Schuessler Fdy. & Mach. Co., Alton, Ill.
Schuessler, Jno., ventilator mfr., Covington, Ky.
Schuessler, Wm., trunk mfrs., 12 N. Market, Chicago, Ill.
Schuett & Frey, contractors, 791 Weil, Milwaukee, Wis.
Schuette Recording Compass Co., Manitowoc, Wis.
Schuette, Wm., & Co., lumber, Bndn. Trust Bldg., Pittsburgh, Pa.
Schug Elec. Mfg. Co., gas igniters, 252 E. Larned, Detroit, Mich.
Schuh, Chas. P., contractor, 8 Albany, New York.
Schukraft, Wm., & Sons, auto. wood bodies, 941 Fulton, Chicago, Ill.
Schule, A., architect, 360 av C, Bayonne, N. J.
Schulenberg, J., contr., Arlington Heights, Ill.
Schuler Art Glass Co., 617 W. Jackson blvd, Chicago, Ill.
Schuler, Chas., & Co., ash cans, 15 Stuyvesant, New York.
Schuler, Dan, architect, Wichita, Kans.
Schulman Bros., signs, cardboard, 564-572 W. Randolph, Chicago, Ill.
Schulte, G. B., Sons Co., whol. hdwe., 716 Main, Cincinnati, O.
Schulte, G. G., stone prod., Dubuque, Iowa.
Schultheis, Edw., Co., mill & facty. supplies, 832 W. 6th, Cincinnati, Ohio.
Schultz, A. G., & Co., babbitt metal, 114 E. Lombard, Baltimore, Md.

Schultz, A. L., & Son, machsts., 1675 Elston av, Chicago, Ill.
Schultz, Alfred F., sash, door & blind mfrs., 10220 Vine av, Chicago, Ill.
§Schultz, Algott, contractors, 222 Union av, Bridgeport, Conn.
Schultz, Baujan & Co., wheat flour, Beardstown, Ill.
Schultz Belting Co., 111 Chambers, New York.
Schultz Bros., Inc., wood handles & turnings, 152 Chambers, New York
Schultz, C. B., contractor, Plymouth, Wis.
Schultz, D. D., cornices, 2047 W. 22d, Chicago, Ill.
Schultz, F., & Co., printers' chases, 164 N. Clinton, Chicago, Ill.
Schultz & Hirsch Co., mattresses, 1300 Fulton, Chicago, Ill.
Schultz, Julius, brewery architect, 1370 Main, Buffalo, N. Y.
Schultz & Laning, cornices, Richmond, Ind.
Schultz Patent Rubber Co., 1230 St. James, Philadelphia, Pa.
Schultz, Peter L., architect, Dispatch Bldg., Union Hill, N. J.
Schultz, Richard A., machsts., 213 Institute, Chicago, Ill.
Schultz, S. E., architect, Milan, Mo.
Schultz, Sam'l, contractor, 1139 N. 40th, Philadelphia, Pa.
Schultz, W. W. & A. J., ties, poles, posts, etc., Old Colony Bldg., Chicago, Ill.
Schultz, Walter L., machst., 6432 Nordica av, Chicago, Ill.
Schultz, Wm. H., contractor, 3340 N. Carlisle, Philadelphia, Pa.
Schultze & Emanuel, sash, door & blind, 614 3d, Pittsburgh, Pa.
Schultze, Geo. T., Lbr. Co., Evansville, Ind.
Schultze Mfg. Co., trimmings, 46 Lawrence, Newark, N. J.
Schultze, Robertson & Schultze, Inc., ship bldrs., 1151 Evans av, San Francisco, Cal.
Schultze-Stove & Hardware Co., San Antonio, Tex.
Schultz's, Michael, Sons, gold leaf, 152 E. Houston, New York.
Schulz, Carl, architect, 67 Gregory, New Haven, Conn.
Schulz, H. C., cornices, Kenosha, Wis.
Schulz, M., Co., pianos, 711 Milwaukee av, Chicago, Ill.
Schulze, Carl E., architect, 178 W. Jackson blvd, Chicago, Ill.
Schulze & Enamuel, lbr., Allegheny, Pa.
Schulze Hardware Co., cornices & skylights, Portage, Wis.
Schulze Leather & Findings Co., Duluth, Minn.
Schulze, Wm., architect, 2009 W. North av, Chicago, Ill.
Schulzke, Wm. H., architect, Moline, Ill.
Schum, Albert D., contractor, Pottsville, Pa.
Schum Bros., nut locks, Metropolitan Tower, New York
Schumacher, Anson B., fertilizer mfrs., Hazleton, Pa.
Schumacher, F. E., Co., screens, Hartville, Ohio.
Schumacher, H., Oil Wks., meal, Navasota, Tex.
Schumacher, J., Sheet Metal Wks., 3464 3rd av, New York.
Schumacher Stone Co., Pandora, Ohio.
Schuman, O. E., contractor, Newark, N. J.
Schumann, Chas. H., architect, 280 B'way, New York.
Schumann Piano Co., Rockford, Ill.
Schumann, Robt. A., architect, 932 Lamberton, Trenton, N. J.
Schumann & Roden, cornices, 914 3d, Milwaukee, Wis.
Schumann & Sons Piano Co., 229 E. 41st, New York.
Schunck & Ogg, massage vibrators, 235 Canal, New York.
Schunk Hardware Co., Toledo, Ohio.
Schupp, Wm., & Co., heating contractors, 616 S. 3d av, Minneapolis Minn.
Schureman, D. S., & Son, architects, Delaware, Ohio.
Schureman, J. L., Co., mchsts., 122 S. Michigan av, Chicago, Ill.
Schurk Iron Wks., 20 S. Cardinal, St. Louis, Mo.
Schurmann, E., glass stainers, Indianapolis, Ind.
Schurmeier Wagon Co., 9th & B'way, St. Paul, Minn.
Schurs, John, burners, Los Angeles, Cal.
Schuster, Benj. J., wholsale hdwe., Selma, Ala.
Schuster & Co., mattresses, 414 N. Howard, Baltimore, Md.
Schut & Kliehn, lumber, Hennen blk, New Orleans, La.
Schutte, Hy., Sons, sash, door & blind mfrs., Quincy, Ill
Schutte & Koerting Co., jet apparatus, valves, condensers, oil burning equipment, etc., 1251 N 12th, Philadelphia, Pa.
Schutte, Wm. H., carriages, Mount Joy, Pa.
Schuttler, Peter, Co., carts & wagons—dumping, 2509 W. 22d, Chicago, Ill.
Schutz Bros., Inc., wood turning, 152 Chambers, New York.
Schutz Mfg. Co., ground connection & testing clamps, 3618 Lincoln av, Chicago, Ill.
Schutz, Schreiner & Clyde Co., contractors (bldg. & gen.), May Bldg., Pittsburgh, Pa.
Schuyler Co., machinists, Berkeley, Cal.
Schuyler, J. P., contractor, Medina, N. Y.
Schuyler, W. S., gas stoves, Savannah, Mo.
Schuylkill Forge Co., drop forgings, Luzerne & Philadelphia, Pa
Schuylkill Pressed Brick Co., Schuylkill Haven, Pa.
Schuylkill Stone Co., Birdsboro, Pa.
Schwab-Le Zotte Boiler Co., 16th & Canal, Milwaukee, Wis.
Schwab, J. S., Co., mill & facty. supplies, St. Paul. Minn.
Schwab, Ph., Co., machsts., 16th & Canal, Milwaukee, Wis.
Schwab, R. J., & Sons Co., steam & hot water furnaces, 283 Clinton, Milwaukee, Wis.
Schwab Safe Co., machsts. & fndrs., Lafayette, Ind.
Schwabacher Hardware Co., mill & facty. (also mine) supplies, 1st S. & Jackson, Seattle, Wash.
Schwabe, F. J., & Son, patterns, Ft. Wayne, Ind.
Schwagari, Edw. D., landscape archt., Washington Bldg., Tacoma, Wash.
Schwager & Nettleton, Inc., lumber, Seattle, Wash.
Schwahn-Seyberth Mfg. Co., harness & horse collars, Eau Claire, Wis.



Schwalbe, Frank R., & Sons, contractors, LaCrosse, Wis.
Schwaller's, C., Sons, masons' & bldrs.' matls., Hays, Kans.
Schwamb, Theo., Co., piano cases, Arlington Heights, Mass.
Schwan, Geo. H., architect, 307 4th av, Pittsburgh, Pa.
Schwander Brass Mfg. Co., bibbs & cocks, 823 N. 8th, St. Louis Mo.
Schwarm & Jacobus Co., inks, 906 B'way, Cincinnati, Ohio.
Schwartz, Abr., matresses, 62 Bergen, Brooklyn, N. Y.
Schwartz, Albert A., architect, 118 N. La Salle, Chicago, Ill.
Schwartz Belting Co., 76 Murray, New York.
Schwartz & Berstein, oiled clothing, Gloucester, Mass.
Schwartz Bros. & Co., tubular boilers, Cheboygan, Mich.
Schwartz, Charles L., sash, door & blind, Naperville, Ill.
Schwartz, F. J., contr., Villa Grove, Ill.
Schwartz, Fred'k, meat packers, Rensselaer, N. Y.
Schwartz, Geo., & Co., meat packers, Albany, N. Y.
Schwartz & Gross, architects, 347 5th av, New York.
Schwartz, Herrmann, cold rolled steel, 121 Nassau, New York.
Schwartz, J., Co., Ltd., carriages, 548 Baronne, New Orleans, La.
Schwartz, Jacob, contractor, 2308 N. 27th, Philadelphia, Pa.
Schwartz, Jos., Co., Ltd., whol. hdwe., 548 Baronne, New Orleans, La.
Schwartz, L. H. A., & Co., tex. machy. (wool finishing machines), 40 Central, Boston, Mass.
Schwartz, M. J., architect, 14 Montgomery, San Francisco, Cal.
Schwartz, Morris, architect, 309 B'way, New York
Schwartz Motor Truck Co., Reading, Pa.
Schwartz, Oscar, archt., Provident Bk. Bldg., Cincinnati, Ohio.
Schwartz Sectional System, filing cabinets, Indianapolis, Ind.
Schwartz, S. Robt., & Bro., ground connection clamps, 729 B'way, New York.
Schwartz & Stewart, mill & facty. supplies—whol. hdwe., Natchez, Miss.
Schwartzkopf's, J. G., Sons, mill & facty. supplies—whol. hdwe., Columbus, Ind.
Schwartz's, M., Sons, mill & facty. supplies, Bangor, Me.
Schwarz Bros. Co., tallow, Kearny, N. J.
Schwarz Foundry Co., Fort W. & Vermont, Detroit, Mich.
Schwarz, Fred'k J., architect, Colb Bldg., Paterson, N. J.
Schwarz, Geo. O., contr., Granite City, Ill.
Schwarz, Jos., architect, Sioux Falls, S. D.
Schwarz, Jos., & Sons, machsts., Belleville, Ill.
Schwarz, L. I., ash cans, 357 B'way, New York.
Schwarz, S. A., Oil Co., soap, 57 Wade Bldg., Cleveland, O.
Schwarze Electric Co., electric bells, Adrian, Mich.
Schwarzenberg, E. A., scrap iron, 428 Guardian Bldg., Cleveland, Ohio.
Schwarzler, A. J., contractor, 369 E. 167th, New York.
Schwarzwaelder, W., & Co., bank fixtures, Chichester, N. Y.
Schwarzwalder, J., & Sons. See Atlantic Tank & Barrel Corp. (successor).
Schweers Hardware Co., machsts. & fndrs., Shawano, Wis.
Schwehms', John M., Sons, hair cloth mfrs., 13 Wister, Philadelphia, Pa.
Schweikert, H. E., contr., Peru, Ill.
Schweickhard, Jacob, cooperage stock, Tiffin, Ohio.
Schweinfurth, J. A., architect, 53 State, Boston, Mass.
Schweitzer, C., & R., floor plates, 849 Center, Chicago, Ill.
Schweitzer, C. R., heating contrs., Everett, Wash.
Schweitzer, Chas. A., contractor, Shamokin, Pa.
Schweitzer & Conrad, transformer cut-outs & enclosed fuses, 4431 Ravenswood, Chicago, Ill.
Schweitzer, E. R., architect, Shamokin, Pa.
Schweitzer, John, architect, Chillicothe, Ohio.
Schweitzer, Samuel, paste, 660 W. Lake, Chicago, Ill.
Schweizer, C. K., stencils, 520 N. 3rd, St. Louis, Mo.
Schweizer, John, carriages, Hamilton, Ohio.
Schwenger-Klein Co., machy. & refrigerators, 515 Woodland av, Cleveland, Ohio.
Schwenker, W. M., ice making & refrigerating apparatus, Irish moss, 340 E. 92d, New York.
Schwenn, August, architect, Madison, Wis.
Schwenn, Wm., archl. & ornamtl. iron, 830 Lex. av, B'klyn, N. Y.
Schwensen, Wm. (Est. of), silk fringes, 46 Walker, New York.
Schweppe & Wilt Mfg. Co., machsts., Mt. Elliott & Conant, Detroit, Mich.
Schwerd, A. F., Mfg. Co., porch columns, 145 McClure, Pittsburgh, Pa.
Schwerdtle Stamp Co., steel stamps, etc., 43 Cannon, Bridgeport, Conn.
Schweyer, Hy. A., Co., marble producers, King of Prussia, Pa.
Schwiers, F. W., Jr., Co., steel structural work, 90 West, New York.
Schwikert, Frank, & Son, billiard tables, Rochester, N. Y.
Schwill, Albert, & Co., malt mills, Traders' Safe & Trust Bldg., Chicago, Ill.
Schwing & Co., cornices, 190 Ferry, Newark, N. J.
Schwing, Jno., Corp., cornices, Bridgeport, Conn.
Schwing Lumber & Shingle Co., Ltd., Plaquemine, La.
Schwing, R. I., Co., Inc., moss & felts, Plaquemine, La.
Schwingle Bros., cornices, 2637 W. Hagert, Philadelphia, Pa.
Schwob, J. A., Co., grain cradles, Moundsville, W. Va.
Schwoerer, A., Const. Co., cornices, 140 W. 42d, New York.
Science Hill Canning Co., Science Hill, Ky.
Science Hill Milling Co., flour, Science Hill, Ky.
Scientific American, publication, Woolworth Bldg., New York.
Scientific Apparatus Co., Inc., 162 W. 34th, New York.

tific Heater Co., 1065 E. 152nd, Cleveland, Ohio.
stific Instrument Co., hydrometers, regulators, etc., Mar quette Bldg., Detroit, Mich.
itific Instrument & Elect. Mach. Co., transformers, smoke indicators, recorders & masks, Mechanicsburg, Pa.
itific Materials Co., laboratory apparatus & supplies, 717 Forbes, Pittsburgh, Pa.
itific Products Co., elec. cooking app., Steubenville, Ohio.
itific Utilities Co., Inc., chem. glassware sheet metal wk. laboratory apparatus, 18 E. 16th, New York
Condensed Milk Co., Scio, Ore.
i, Nicola, contractor, Grantwood, N. J.
o Boiler Wks., 37 N. Scioto, Columbus, Ohio.
o Firebrick Co., Sciotoville, Ohio.
o Lime & Stone Co., Delaware, Ohio.
o Sign Co., metal litho., Kenton, O.
o Valley Supply Co., plumbers', mill & facty. supplies, Long & 3d, Columbus, Ohio.
e-Gochenaur Mfg. Co., Inc., mill & facty. supplies, 631 Arch, Phila., Pa.
e Sons, masons' & bldrs.' matls., Atlanta, Ga.
rek, Louis, architect, Farwell bldg, Detroit, Mich.
nate Mills, rubber cements, Greenbush, Mass.
ee, R. P., & Son Co., lumber, Winchester, Ky.
eld & Co., desk telephone brackets, inkstands, etc., 150 Nassau, New York.
eld Engineering Co., consulting engineers, Commercial Trust Bldg., Philadelphia, Pa.
ay, J. A., plant sprinklers, 74 Myrtle av, Brooklyn, N. Y.
es & Feustmann, architects, 37 E. 28th, New York, & Saranac Lake, N. Y.
ch Lumber Co., Fulton, Ala.
land Lbr. Co., Ravenswood, La.
land Neck Guano Co., Scotland Neck, N. C.
t & Bitterman, contractor, Davenport, Ia.
t Bros., machinists, Cadiz & Kilbourne, Ohio.
t Bros. Elec. Co., lamp guards, Detroit, Mich.
t, C. A., & Co., lbr., Tellico Plains, Tenn.
t, C. M., Packing Co., Dover, Del.
t, C. P., & Sons, thermometers, 221 Franklin, Buffalo, N. Y.
t, C. S., machinist, Cadiz, Ohio.
t, C. U., & Son, steel hardening, Davenport, Ia.
t, Chas. B., Co., plumbers', mill & facty. supplies—jobbers, Scranton, Pa.
t, Charles E., architect, 1517 N. 7th, Terre Haute, Ind.
t & Clark Corp., carriages, Norwich, Conn.
t, Claude D., architect, Grand Opera House, Terre Haute, Ind.
t Co., heating contractors, 243 Minna, San Francisco, Cal.
t-Coppage Co. See Coppage Printing & Loose Leaf Co., Inc. (successor).
t County Land & Lbr. Co., Waldron, Ark.
t County Milling Co., feed, Sikeston, Mo.
t, D. I., & Co., contractors, 148 N. Alabama, Indianapolis, Ind.
t Drill Co., Bank of Commerce Bldg., St. Louis, Mo.
t, Earl E., architect, Humboldt Bk. Bldg., San Francisco, Cal.
t Elec. Co., 357 Ogden, Newark, N. J.
t, Ernest, Co., chemical engineers, Fall River, Mass.
t, Ernest, contr. bldr., Ridgefield, Conn.
t, E. W., Co., whip sockets, Danielson, Conn.
t Fertilizer Co., Elkton, Md.
t-Fetzer Mach. Co., die heads, jigs, special machy, vacuum cleaners & screw pitch gauges, W. 114th & Locust av, Cleveland, Ohio.
t, Fitzhugh, architect, 445 Milwaukee, Milwaukee, Wis.
t, Geo., architect, Ann Arbor, Mich.
t, G. E., contrs., Norwalk, O.
t, Geo. V., Co., machsts. & fndrs., Brockton, Mass.
t & Gilbert, chemists, 116 1st, San Francisco, Cal.
t-Graff Lbr. Co., Duluth, Minn.
t, H. L., & Co., contractors, San Antonio, Tex.
t Hay Press Co., bale tie machs., pitless scales, etc., 1300 W. 12th, Kansas City, Mo.
t, Hy. L., & Co., machsts., 101 Blackstone, Providence, R. I.
t & Howe, lumber mfrs., Tacoma, Wash.
t & Howe Lumber Co., Ironwood, Mich.
t, J. B., Co., street ry. tickets, Kansas City, Mo.
t, J. E., Cup Co., oil cups, Columbus, Ohio.
t, Jas., & Sons, burlap, bags, 346 B'way, New York.
t, John F., Co., contractors, 500 2nd av, Pittsburgh, Pa.
t, John M., & Sons, rail anchors, lock-nuts & washers, etc., Racine, Wis.
t, Jno., & Sons contractors Rialto bldg, St. Louis, Mo.
t & Kemmerer, carriages, Hamburg, Pa.
t-Luggers Lbr. Co., Holland, Mich.
t, Lyman, & Stack Co., cornices & skylights, Sacramento, Cal.
t Mill Co., flour, Kuoxville, Tenn.
t, Milton W., & Co., architects, 412 Franklin, Waco, Tex.
t, N. S., Co., store & bar fixtures, 440 Adelphi, Bklyn., N. Y.
t, Nat'l G., contractor, Hennen Bldg., New Orleans, La.
t, Olin (Est. of), machinist & fndr., Bennington, Vt.
t, Oliver, contractor, Yonkers, N. Y.
t Paper Co., paper table covers & towels, Chester, Pa.
t-Spencer Automatic Tool Co., screw mach. tools, 2682 Madison rd, Cincinnati, Ohio

Scott, R., Hardware Co., Muncie, Ind.
Scott, Rob't, steam htg. contractor, 1723 Ranstead, Phila., Pa.
Scott Roofing & Mfg. Co., 408 Culvert, Cincinnati, Ohio.
Scott & Scott, contrs., Red Bank, N. J.
Scott & Sons Co., machinists, Medford, Mass.
Scott, Sugden & Lamont, steel prods., Monadnock Bldg., San Francisco, Cal.
Scott, T. A., Co., dock bldrs. & contrs., New London, Conn.
Scott-Taylor Co., contractors, Ashland, Wis.
Scott-Ullman Co., elec. & gas light fixtures, 3311 Perkins av, N. E., Cleveland, Ohio.
Scott Valve Co., 310 W. Randolph, Chicago, Ill.
Scott & Van Altena, lantern slides, 6 E. 39th, New York.
Scott, W. P., contractor, 2907 Sherman av, Indianapolis, Ind.
Scott, Walter, & Co., machsts. & fndrs., Plainfield, N. J.
Scott & Welch, architects, Dooly Bldg., Salt Lake City, Utah.
Scott & West Co., cork carpets, 9 E. 40th, New York.
Scott, Wm. H., Co., cornices, Portland, Me.
Scott & Browne, chemists & cod liver oil, Bloomfield, N. J.
Scott & Prescott, architects, 34 E 23rd, New York
Scott & Williams, knitting machinery & textile machy. supplies, 366 Broadway, New York.
Scott & Yetman, contrs., Red Bank, N. J.
Scottdale Furnace Co., blast furnaces, Cleveland, Ohio.
Scottdale Furnace Co., Scottdale, Pa.
Scottdale Mills, cotton sheeting, Scottdale, Ga.
Scotten, Geo. P., & Son, canned goods, Magnolia, Del.
Scottsburg Canning Co., Scottsburg, Ind.
Scottsville Flour Mills, Scottsville, Va.
Scottsville Milling Co., flour, Scottsville, Ky.
Scourene Mfg. Co., soap, 539 W. 39th, New York.
Scovel Iron Store Co., 754 Howard, San Francisco, Cal.
Scovil, D. & H., agricultural implements, Higganum, Conn.
**SCOVILL MFG. CO.,** brass, bronze & nickel silver in sheets, plates, wire rods, cups & circles, also special stampings of all kinds to order, Waterbury, Conn.
*See adv. index at end of book*
Scoville, E. U., Co., machsts. & fndrs., Manlius, N. Y.
Scoville, H. D., canned goods, Constantia, N. Y.
Scoville Mfg. Co., machinists, Oakland, Cal.
Scoville, M. G., Sons Co., brooms, Ogden, Utah.
Scoville, Wm. H., contractor, Hartford, Conn.
Scow Bay Iron & Brass Wks., Astoria, Ore.
Scown, Wm. J., Bldg. Co., 36 W. Randolph, Chicago, Ill.
Scranton Ave. Carriage & Wagon Wks., 2339 Scranton road, Cleveland, Ohio.
Scranton Bedding Co., mattresses, Scranton, Pa.
Scranton Bolt & Nut Co., Scranton, Pa.
Scranton Button Co., electrical specialties, 409 Cherry, Scranton, Pa.
Scranton C. O. Co., contrs., Alliance, Ohio.
Scranton Coal Co., anthracite, Scranton, Pa.
Scranton & Co., hdwe. mfrs., machsts., etc., New Haven, Conn.
Scranton Elec. Const. Co., 629 Counele Bldg., Scranton, Pa.
Scranton Forging Co., drop forgs., Scranton, Pa.
*See adv. index at end of book.*
Scranton Gas & Water Co., Scranton, Pa.
Scranton Pump Co., Scranton, Pa.
Scranton Shingle Co., Pascagoula, Miss.
Scranton Silk Mach. Co., Scranton, Pa.
Scranton Stove Wks., Scranton, Pa.
Scranton Supply & Machy. Co., machsts. tools, mine, mill & facty. supplies, Scranton, Pa.
Scranton Whetstone & Abrasive Wheel Co., Scranton, Pa.
'S-C" Regulator Mfg. Co., valves, feed water regulators, brass & bronze castings, water columns, etc., Fostoria, Ohio.
Screw Machine Products Corp., screw machine products & interior telephone mfrs., 1012 Eddy, Providence, R. I.
Screw Mach. Spec. Co., 1132 Austin av, Chicago, Ill.
Scribbins, John A., architect, Decatur, Ill.
Scribner, A. C., desk lights, Gloversville, N. Y.
Scribner Boiler Compound Co., 315 N. Wood, Chicago, Ill.
Scribner, W. E., Sons, contractors, Auburndale, Mass.
Scripps Booth Corp., automobile bldrs., Michigan & Western avs, Detroit, Mich.
Scripps Motor Co., engines, 629 Lincoln av, Detroit, Mich.
Scrocco, Daniel J., architect, 263 Main, Newark, N. J.
Scroggs, Philander P., architect, Augusta, Ga.
Scudder, Henry D., Jr., architect, Essex Bldg., Newark, N. J.
Scudder, R. G., & Son, lbr., Camden, N. J.
Scull Bros., contractors, Atlantic City, N. J.
Scull, Harry G., contractor, Atlantic City, N. J.
Scullin, Simon (Est. of), machsts. & fndrs., Cambria & American, Philadelphia, Pa.
Scullin Steel Co., steel castings, car trimmings, etc., 6700 Manchester av, St. Louis, Mo.
Scully, C. J., contractor, Holly Beach, N. J.
Scully, Jno. T., Foundation Co., dock bldrs., Cambridge, Mass.
Scully-Jones & Co., drill sockets, spacing collars, etc., 557 Railway Exchange Bldg., Chicago, Ill.
Scully Pattern & Model Wks., S. W. cor. 5th & Delaware, Kansas City, Mo.
Scully Steel & Iron Co., boiler braces, cleaners, flue heads, fronts, etc., 2364 S. Ashland av, Chicago, Ill.
Sculthorpe, John H., architect, Miami, Fla.
Scusa, Lino, machinist, Phoenix, N. Y.

Scutt, Frank, canned goods, Verbank Village, N. Y.
Sea Beach Packing Wks., Aberdeen, Wash.
Seaberg, Gustav, dumb waiters, 407 Douglas, Brooklyn, N. Y.
Seaboard By-Product Coke Co., toluol, Jersey City, N. J.
Seaboard Chem. Co., Blanchard, Newark, N. J.
Seaboard Constr. Co., Witherspoon Bldg., Philadelphia, Pa.
Sea-Board Oil Co., lubrg., Seattle, Wash.
Seaboard Rice Milling Co., Galveston, Tex.
Seaboard Steel & Manganese Corp., 50 E. 42nd, New York.
Seaboard Supply Co., plumbers' supplies, Norfolk, Va.
Seaborg, B. A., canned goods, Gold Beach, Ore.
Seaborn Shipyards Co., Tacoma, Wash.
Seabright Woven Felt Co., Camden, Me.
Seabury, B. Harmmett, architect, Besse blk, Springfield, Mass.
Seabury, Chas. L., & Co., shipbuilders. (See Gas Engine & Power Co.), Morris Heights, N. Y.
Seabury & Johnson, rubber goods—medical & surgical plasters. cotton, gauze, etc., 59 Maiden la, New York.
Sea Coast Canning Co., Eastport, Me.
Seacoast Fertilizer Co., Savannah, Ga.
Seadler, Jas., architect, Forum Bldg., Sacramento, Cal.
Sea Food Co., canned, Biloxi, Miss.
Seafried Bros., trunk mfrs., 2811 Girard av, Phila., Pa.
Seagrave Co., motor fire apparatus, Columbus, Ohio.
Seagraves & Purtel, contractors, Woodstown, N. J.
Seagrist, F. W. Jr., Co., granite, 533 E. 18th, New York.
Sea Island Cotton Oil Co., meal, Charleston, S. C.
Seal, W. E., & Co., canvas gloves, Millersburg, Pa.
Seal-Tite Piston Ring, Inc., 1704 E. Lake, Minneapolis, Minn.
Seale Fertilizer Co., Seale, Ala.
Sealograph Co., envelope sealing devices, Kansas City, Mo.
Sealwood Co., varnish, 5072 Delmar, St. Louis, Mo.
Sealy & Rambo, fertilizer mfrs., Edison, Ga.
Sealy, Thos., rosin mfr., 138 Front, New York.
Seamless Rubber Co., tennis balls, New Haven, Conn.
Seamless Tube Co. of America, pipe & tube mills, Frick Bldg., Pittsburgh, Pa.
Seaman, A., architect, Baldwin, N. Y.
Seaman, A. C., expansion bolts, 124 N. 6th, Philadelphia, Pa.
Seaman, Jas., & Son, contractors, 303 S. Perry, Johnstown, N. Y.
Seaman, N. & Co., advtg. spec., Irriga, Ore.
Seaman Oil Co., soap, Glen Cove, N. Y.
Seaman Paper Co., 208 S. La Salle, Chicago, Ill.
Seaman & Schuske Metal Wks. Co., cornices, St. Joseph, Mo.
Seaman-Sleeth Co., machsts. & fdrs, 41 & Willow, Pittsburgh, Pa.
Seaman, W. S., Co., tele. cabinet wk.; auto. bodies, 480 Virginia, Milwaukee, Wis.
Seamans, S. D., masons' & bldrs.' matls., Aurora, Ill.
Seamon, Thos. H., stone producer, Poughkeepsie, N. Y.
Searchlight Co., oxy-acet. welding app., 2236 Lumber, Chicago, Ill.
Searing & Coultas, blast furnace bldrs., Farmers' Bank Bldg., Pittsburgh, Pa.
Searle & Chapin Lumber Co., Lincoln, Nebr.
Searle, Chas. B., mason, Windsor, Conn.
Searle & Dressler, advtg. spec., 1210 Turner, Allentown, Pa.
Searles Electric Welding Wks., 817 W. Washington blvd, Chicago, Ill. *See adv. index at end of book.*
Searles, E. M., architect, 3327 Market, San Diego, Cal.
Searls Coal Co., Rookery bldg, Chicago, Ill.
Searls Mfg. Co., carriage hdwe mfrs., 29 Mulberry, Newark, N. J.
Searls Mfg. Co., top prop nuts, Cleveland, Ohio.
Sears, C. E., & Co., canned goods, Circleville, Ohio.
Sears-Cross Co., automobile horns, 147 41st, Brooklyn, N. Y.
Sears, D. M., Co., canned goods, Fort Wayne, Ind.
Sears Lumber Co., sash, door & blind, Middleboro, Mass.
Sears & Nichols Canning Co., Chillicothe, Ohio.
Sears, Roebuck, & Co., wallpaper, 1020 S. Spaulding av, Chicago, Ill.
Sears, Saddlery, Co., Davenport, Ia.
Sears, Thos. W., architect, 1424 Walnut, Phila., Pa.
Sears, Thos. W., landscape architect, 107 Westminster, Providence, R. I.
Sears, W. H., architect, James Bldg., Chattanooga, Tenn.
Sears & Wendell, landscape architects, 1424 Wlnut, Phila., Pa.
Seas, J. F., & Sons, masons' & bldrs.' matls., Orrville, Ohio.
Seashore Mach. Wks., Atlantic City, N. J.
Seaside Canneries, Portland, Ore.
Seaside Canning Co., Ocean City, Md.
Seator, Sinclair M., architect, 35 N. Dearborn, Chicago, Ill.
Seattle-Astoria Iron Wks., machsts. & fndrs., Seattle, Wash.
Seattle Boiler Works, marine, Seattle, Wash.
Seattle Brass Co., castings, Seattle, Wash.
Seattle Brick & Tile Co., common, Seattle, Wash.
Seattle Car & Fdry. Co., Seattle, Wash.
Seattle Cedar Lumber Mfg. Co., porch columns, Seattle, Wash.
Seattle Constr. & Dry Dock Co., Seattle, Wash.
Seattle Cornice Wks., Seattle, Wash.
Seattle Frog & Switch Co., Seattle, Wash.
Seattle Hardware Co., 501 1st av, S., Seattle, Wash.
Seattle Lumber Co., Seattle, Wash.
Seattle Machine Wks., mill & facty. supplies, 51 W. Lander, Seattle, Wash.
Seattle Mattress & Uph. Co., Seattle, Wash.



Seattle Metal Ceiling Co., sheet steel ceilings, cornices & skylights, Seattle, Wash.
Seattle Mill & Logging Co., Seattle, Wash.
Seattle Packing Co., Seattle, Wash.
Seattle Paint Co., varnish mfrs., Seattle, Wash.
Seattle Saddlery Co., harness strap wk. mfrs., Seattle, Wash.
Seattle Sand & Gravel Co., Seattle, Wash.
Seattle Sheet Metal Shop, cornices & skylights, Seattle, Wash
Seattle Stove Wks., machsts. & fndrs., Seattle, Wash.
Seattle Suit Case Mfg. Co., traveling bags, Seattle, Wash.
Seattle Tent & Awning Co., contrs., Seattle, Wash.
Seaver & Co., bone, carbon, drop, ivory & lamp blk, 120 Milk, Boston, Mass.
Seaver, H. T., mill & facty. supplies, Barton, Vt.
Seaver, W. P., architect, Grand Central Palace, New York
Seaverns Piano Action Co., Buffalo, N. Y.
Seavey, C. W., machinist, Paynesville, Minn.
Seavey Co., loose leaf devices, Portland, Me.
Seavey Hardware Co., Fort Wayne, Ind.
Seavey, J. F., Lbr. Co., Dover, N. H.
Seavey, J. Herbert, whol. hdwre., Dover, N. H.
Seavy, Geo. E. (est. of) lbr., Windham Depot, N. H.
Seay, E. W. & S. F., contractors, Norfolk, Va.
Sebastian Bros., corn brooms, fruit evaporators, Odin, Ill.
Sebastian Lathe Co., Covington, Ky.
Sebelin Mach. Tool Wks., gas engines, Davenport, Iowa.
Sebewaing Lumber & Mfg. Co., sash, door & blind, Sebewaing, Mich.
Sebewaing Sandstone Brick Co., masons' mtls., etc., Sebewaing, Mich.
Sebolt, Conrad, contractor, New Brunswick, N. J.
Sebring, E. H., China Co., Sebring, O.
Sebring Fdry. Co., Sebring, Ohio.
Sebring Motor Car Co., Sebring, Ohio.
Secaw Chem. Co., phosphorus oxychloride phosphorus trichloride, Irvington, N. J.
Seccomb-Kehew-Bradley Co., potato starch mfrs., Boston, Mass.
Sechler, D. M., Implement & Carriage Co., Moline, Ill.
Sechrist, Albert, Mfg. Co., gas & electric light fixtures, Denver, Colo.
Secor, A. W., mill & facty. supplies, 76 Fulton, New York.
Secor, M. M., Trunk Co., Racine, Wis.
Secor Mfg. Co., toys, 112 E. 23rd, New York City.
Secor Typewriter Rep. Co., Derby, Conn.
Secrest, John P., stone producers, Laurel, Ind.
Secrist & Camper, canned goods, Buchanan, Va.
Sector, Jas., & Co., granite, Barre, Vt.
Security Auto Lock Co., 452 5th av, New York.
Security Bank Note Co., street ry. tickets, 223 Chestnut, Philadelphia, Pa.
Security Bridge Co., Metropolitan Bank Bldg., Minneapolis, Minn.
Security Cement & Lime Co., lime & cement mfrs., Hagerstown, Md.
Security Coal & Mining Co. of Missouri, Fisher bldg, Chicago, Ill.
Security Elec. Lamp Co., 134 S. Clinton, Chicago, Ill.
Security Envelope Co., 29th & 5th av, S., Minneapolis, Minn.
Security Flour Mills Co., Abilene, Kans.
Security Insert Co., concrete inserts, 33rd & Arch, Phila., Pa.
Security Lightning Rod Co., Burlington, Wis.
Security Steel & Iron Co., Watervliet, N. Y.
Security Stove & Mfg. Co., 17th & Oakland av, Kansas City, Mo.
Security Tool Wks., 115 S. Clinton, Chicago, Ill.
Security Window Guard Co., 130 N. 5th av, Chicago, Ill.
Sedalia Fdry. & Mach. Wks., Sedalia, Mo.
Sedalia Milling Co., flour, Sedalia, Mo.
Sedgley, R. F., revolver mfrs., 2311 N. 16th, Philadelphia, Pa.
Sedgwick, C. S., architect, Lumber Exch., Minneapolis, Minn.
Sedgwick, Henry R., architect, 244 Madison av, New York
Sedgwick Mach. Wks., 150 W. 15th, New York
Sedgwick Tie Co., 10th & B'way, Kansas City, Mo.
Sedlachek, E., bldg. contr., Superior, Wis.
See, A. B., Electric Elevator Co., 220 B'way, New York.
See, Milton, & Son, architects, 15 E. 40th, New York.
Seeber, John H., architect, Oswego, N. Y.
Seebod & Thomas, contrs., Billings, Mont.
Seeboth, Albert G., Co., mattresses, 230 Mineral, Milwaukee, Wis.
Seeboth Bros. Co., scrap iron, 111 Reed, Milwaukee, Wis.
Seeburg, J. P., Piano Co., 209 S. State, Chicago, Ill.
Seeburger, Frank, architect, Weightman bldg, Philadelphia, Pa.
Seed Filter & Mfg. Co., 73 Franklin, New York.
Seed, J. S. Builders Exchange, contrs., Worcester Bldg., Portland, Ore.
Seed Trade Reporting Bureau, grain testers, 627 Postal Telegraph Bldg., Chicago, Ill.
Seeder Mfg. Co., agricultural implements, Homer, Mich.
Seeds, Thos. M., Jr., contractor, 1207 Race, Philadelphia, Pa.
Seeger Machine Tool Co., 34 S. Forsythe, Atlanta, Ga.
*See adv. index at end of book*
Seeger Refrigerator Co., Arcade & Wells, St. Paul, Minn.
Seeger, Valentine, machst. & fndr., Toledo, Ohio.
Seehausen, Wehrs & Co., mill & facty. supplies, 173 N. Franklin, Chicago, Ill.
Seekins, R., architect, Stonington, Me.
Seelar Elev. Wks., 332 3d av, Pittsburgh, Pa.

er, Edgar V., architect, 101 S. Juniper, Philadelphia, Pa.
ey Bros., machy., Blaine, Wash.
ey, John A., Mfg. Co., fndrs., Ogdensburg, N. Y.
ley Paper Mills Co., binders' & friction boards, Scotch Plains, N. J.
ley Tube & Box Co., paper cans, etc., 344 Central av, Newark, N. J.
ig, R., & Son, engng. instruments, 231 N. 5th av, Chicago, Ill.
man, Frederick G., 3983 Carpenter av, New York
y Bros., machsts., Blaine, Wash.
y, D. W., machst. & fndr., Sodus Point, N. Y.
y, Frances A., Co., fireless cookers, 5735 Harper av, Chicago, Ill.
ye, A. T., cornices & skylights, 700 E. Hennepin av, Minneapolis, Minn.
ye Mfg. Co., machsts. & fndrs., 49 High, Boston, Mass.
& Faber Co., whol. hdwe. & machsts supplies, 2008 N. Front, Philadelphia, Pa.
tedt, Henry W., machst. & fndr., Romulus, Mich.
ers Mfg. Co., machsts. & fndrs., Oskaloosa, Ia.
rt, Clarence L., architect, 110 W. 40th, New York.
en Scrap Iron & Machy, 213 N. Halsted, Chicago, Ill.
on Carriage Wks., Harrisburg, Pa.
on, Chas. A. S. E., carriages, cor. Monument & Eden, Baltimore, Md.
on Mfg. Corp., corrugated boxes & paper pails, 1301 W. 35th, Chicago, Ill.
l Lock & Hdwe. Co., Inc., 155 Leonard, New York
l, Nathan, architect, 124 W. 112th, New York.
le Mfg. Co., store fixtures, 68 E. Spring, Columbus, Ohio.
lke & Kohlhaus Mfg. Co., sash, door & blind, plate glass, La Crosse, Wis.
r Bros., bituminous coal mine, Ligenier, Pa.
in Milling & Power Co., flour, Seguin, Tex.
ine-Runyon-Stiles Co., masons' & bldrs.' matls., ft. Main, Princes Bay, N. Y.
r Coil Winding Equipment, 712 Postal Telegraph bldg, Chicago, Ill.
cik, F. J., architect, 788 E. 175th, New York
aerts, Inc., mill & facty. supplies, Shreveport, La.
Bros. Co., pulleys, mallets, etc., 96 Boyd, Jersey City, N. J.
el-Suessdorf Copper & Iron Mfg. Co., 2d & Lombard, St. Louis, Mo.
erling & Miller Co., agricultural implements, Doylestown, O.
ert Co., heating contractors, 1433 Divisadero, San Francisco, Cal.
ert, H. E., fly catchers, 475 B'way, St. Paul, Minn.
k Tent & Awning Co., Des Moines, Ia.
el Ad. & Sons, bakers mfg. chemists, 1245 Garfield, av, Chicago, Ill.
el, B., crucible mfrs., 1322 Callowhill, Phila., Pa.
el Buggy Co., Richmond, Ind.
el Furniture Mfg. Co., 516 Barracks, New Orleans, La.
el, Julius, Lumber Co., 2000 S. Kingshighway, St. Louis, Mo.
el Mfg. Co., sash pulleys, Boatmen's Bank Bldg., St. Louis, Mo.
el, R. B., crucible mfrs., 1322 Callowhill, Phila., Pa.
eman Bros., silk fringes, 121 N. 7th, Philadelphia, Pa.
enberg, J. M., Co., Inc., plbrs.' supplies, 545 3rd av, New York.
iltz & Werner, contractors, Winona, Minn.
l-Best Mower & Harvester Guard Co., Milwaukee, Wis.
ler, Chas. B., architect, Lloyd bldg, Pittsburgh, Pa.
ler-Miner Co., lamp guards, spark plugs, etc., 36 E. Larned, Detroit, Mich.
liltz Varnish Co., 18th & Garfield, Kansas City, Mo.
mann, Chas., & Co., silk & upholstery fringes, 3rd & Green, Philadelphia, Pa.
ert, Frank A., Plastic Relief Co., arch. modelers & sculptors, 2627 Dayton, St. Louis, Mo.
ert, Karl F. J., architect, 153 E. 40th, New York
ert Special Machinery Co., Inc., special machinery mfrs., 308 Pearl, Hartford, Conn.
ert, H. O., Lumber Co., Davenport, Ia.
xe, H. A. & Co., mixers, San Francisco, Cal.
Brewery Apparatus Co., 1320 N. 5th, Philadelphia, Pa.
r, John, Co., meat packers, 2200 Spring Garden av, Pittsburgh, Pa.
, Hy., & Co., paint mfrs., Fayette & Howard, Baltimore, Md.
ier, Henry J., contractor, Green Bay, Wis.
er, Chas. F., chimney thimbles, Indianapolis, Ind.
sheimer Paper Co., York & McLean, Cincinnati, Ohio.
s Mfg. Co., auto horns, etc., Toledo, Ohio.
r & Son, lumber, Owens, Ohio.
ier & Cherry Co., separators (cream), Keokuk, Ia.
er's, F., Sons, brick, Nicetown & G, Philadelphia, Pa.
z, Geo., carriages, 745 Bowen av, Chicago, Ill.
z, F. A., Co., auto. engines, Newark, N. J.
z, J. H., & Son, sample cases, trunks, etc., 414 Brown, Philadelphia, Pa.
z, L. T., contractor, Youngstown, Ohio.
zinger, J. G., sand screens, Wilkes-Barre, Pa.
Benj., & Co., tin plate, 59 Orchard, New York.
s Co., gas machs., etc., 521 W. 23d, New York.
ach-Meyer Co., machsts., West New York, N. J.
y Smelting Works, 201 1st, San Francisco, Cal.

Selby Smelting & Lead Co. See Selby Smilting Works (successor).
Selbyville Packing Co., canned goods, Selbyville, Del.
Selchow & Righter Co., toys, games, etc., 620 B'way, New York.
Selden-Breck Constr. Co., Fullerton Bldg., St. Louis, Mo.
Selden Cypress Door Co., Palatka, Fla.
Selden Roofing & Manufacturing, 76 Western av, Minneapolis, Minn.
Selden Truck Corp., Rochester, N. Y.
Seldner & Enequist, chem., 86 Hausman, Brooklyn, N. Y.
Seldon-Breck Constr. Co., 122 S. Michigan av, Chicago, Ill.
Self-Cleaning Strainer Co., hose strainers & soot blowers, 6329 Stewart av, Chicago, Ill.
Self, H., architect, Grand Opera House, Terre Haute, Ind.
Self, James E., architect, Grand Opera House, Terre Haute, Ind.
Self-Locking Carton Co., 465 E. Illinois, Chicago, Ill.
Self-Winding Clock Co., 163 Grand av, Brooklyn, N. Y.
Selfridge, O. B., Co., wood handles, Lima, Ohio.
Selig Polyscope Co., moving picture machines, 3901 N. Western av, Chicago, Ill.
Seligman, Arthur, copper refiners, bar tin, bronze powders, aluminum sheets, liquid, etc., 165 B'way, New York.
Seligman, Wm., & Ball, whol. hdwe., Tamaqua, Pa.
Selkirk, Alex., architect, 133 N. Pearl, Albany, N. Y.
Sell Bros. Co., Inc., Contractors, Cumberland, Md.
Sell, Geo., contractor, Hazelton, Pa.
Sell Sporting Goods Co., Canton, Ohio.
Selle, H. W., & Co., sea moss, packing pads, 1000 N. Halsted, Chicago, Ill.
Seller Bros. & Co., wholesale hdwe., 14 Spear, San Francisco, Cal.
Seller Carriage Co., Versailles, Ky.
Sellers, Benj., & Sons, memorial windows, 80 Bible House, New York.
Sellers, E. A., lumber, Orwell, Ohio.
Sellers, Edw., steel tray barrows, Oak Hall Station, Pa.
Sellers Mfg. Co., iron rolling mills, 332 S. Michigan av, Chicago, Ill.
Sellers, Philip, architect, 207 Orange, New Haven, Conn.
Sellers, Wm., & Co., hydraulic accumulators, etc., 1600 Hamilton, Philadelphia, Pa.
Sellew, B. A., architect, 756 Main, Hartford, Conn.
Sellew Machine Tool Co., grinders & vises, Pawtucket, R. I.
Selligman, Mitchell, architect, Pine Bluff, Ark.
Sellman, A. B., & Bro., canned goods, Watersville, Md.
Sellon, Geo. C., architect, 1005 8th, Sacramento, Cal.
Sells, Corwin P., contractor, 1901 Talbot av, Indianapolis, Ind.
Sells, J. H. & F. A., Co., harness mfrs., Chestnut & Pearl, Columbus, Ohio.
Selma Hardware Co., Selma, Ala.
Selma Oil & Ice Co., fertilizer mfrs., Selma, Ala.
Selmore, Inc., show cases, 35 E. 12th, New York.
Selover Milling Co., flour, Moravia, N. Y.
Seltzer-Klahr Hardware Co., 535 Market, Phila., Pa.
Seltzer Packing Co., meat packers, Pottsville, Pa.
Selway Steel Post Co., 220 S. State, Chicago, Ill.
Selzer, J. M., Carriage & Business Wagon Mfg. Co., 1525 N. 14th, St. Louis, Mo.
Semco Mfg. Co., vacuum cleaners, Nashville, Tenn.
Semet-Solvay Co., chemical mfrs., coke ovens & by-products, Syracuse, N. Y.
Sem Steel Fdry. Co., New Portage, Ohio.
Semi-Steel Test Fdry. Co., 4916 Bloomingdale av, Chicago, Ill.
Seminole Construction Co., Miami, Fla.
Seminole Mills, cotton sheetings, Clearwater, S. C.
Semmes Hardware Co., Savannah, Ga.
Semones & Son, machsts. & fndrs., Union City, Tenn.
Semper, W. J., contractor, Watertown, N. Y.
Sempier, John, contractor, Bloomfield, N. J.
Semple Mfg. Co., Inc., saddle blankets, cordage & twine, Louisville, Ky.
Semple Rubber Co., inner auto tubes, Trenton, N. J.
Semple, W. & A. C., railway supplies, 309 W. Main, Louisville, Ky.
Semprez, John, machinist, Topeka, Kans.
Semsch, O. F., architect, 111 E. 40th, New York
Senatobia Cotton Oil Co., Senatobia, Miss.
Sendel & Rouse, whol. hdwe., Lehighton, Pa.
Seneca Brass & Plating Works, Utica, N. Y.
Seneca Camera Mfg. Co., Rochester, N. Y.
Seneca Cotton & Warehouse Co., Seneca, S. C.
Seneca Engng. Co., steel structural work, Montour Falls, N. Y.
Seneca Falls Folding Box Co., Seneca Falls, N. Y.
Seneca Falls Mfg. Co., lathe mfrs., Seneca Falls, N. Y.
Seneca Fertilizer Co., Seneca, S. C., & Tiffin, Ohio.
Seneca Glass Co., tumblers, Morgantown, W. Va.
Seneca Iron & Steel Co., Buffalo, N. Y.
Seneca Kraut & Pickling Co., canned gds., Geneva, N. Y.
Seneca Motor Car Co., commercial cars, Fostoria, Ohio.
Seneca Oil Mills, meal, Seneca, S. C.
Seneca Oil Works, petroleum, Warren, Pa.
Seneca Tripoli Co., Pierce Bldg., St. Louis, Mo.
Seneca Wire & Mfg. Co., Fostoria, Ohio.
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Senefelder Litho Stone Co., 32 Greene, New York
Senelith Ink Co., Inc., 32 Greene, New York
Sener, G., & Sons, masons' & bldrs.' matls., Lancaster, Pa.

Seng Auto Device Co., push buttons, 1452 Dayton, Chicago, Ill.
Seng Co., hardware mfrs., 1450 Dayton, Chicago, Ill.
Sengbusch Self-Closing Inkstand Co., inkstands, etc., 401 Stroh Bldg., Milwaukee, Wis.
Sengel, Philip, & Son, wooden kegs, Louisville, Ky.
Senk, Jno., & W., fndrs., Syracuse, N. Y.
Senn Concentrator Co., First Nat. Bk. Bldg., San Francisco, Cal.
Senne & Albert, architects, Central Natl. Bank bldg, St. Louis, Mo.
Senseman, J. M., Lumber Co., Parkersburg, W. Va.
Sentenne & Green, glass & metal signs, 150 Nassau, New York.
Sentinel Mfg. Co., sad & soldering iron heaters, New Haven, Conn.
Sequatchie Handle Works, Sequatchie, Tenn.
Serafino, Andrew, contractor, Youngstown, O.
Serena, John, Co., masons' & bldrs.' matls., McKeesport, Pa.
Seretto, Michael, contractor, 3 Tremont, Boston, Mass.
Serfas Lumber Co., ties, poles, posts, staves, cooperage stock, etc., Drake bldg, Easton, Pa.
Sergeant, A. W., masons' & bldrs.' matls., Albion, Pa.
Sergeant, E. M., Co., sulphite pulp, 15 E. 26th, New York.
Sergeant Glass Co., Williamsport, Pa.
Sergeant Mfg. Co., engines, Greensboro, N. C.
Sergeant, Wm. H., contractor, Mount Vernon, N. Y.
Sergeson, R., Co., shuttles, Palmer & Tulip, Phila., Pa.
Sero Specialty Co., belt dressings, 2860 E. 84th, Cleveland, O.
Serrachio, Nicholas, architect, 507 5tht av, New York
Serratelli's, P., Sons, scrap iron, 156 Malvern, Newark, N. J.
Serrell & Schenck, htg. & ventg. engrs., 71 Murray, New York.
Serson Hardware Co., htg. contrs., 109 31st, Chicago, Ill.
Serven Lbr. & Coal Co., Inc., masons' & bldrs.' matls., Pear' River, N. Y.
Service Commodities Mfg. Co., ice cream dishes, bottle capping mach. & drink mixers, 442 N. Wells, Chicago, Ill.
Service Constr. Co., 53 W. Jackson blvd, Chicago, Ill.
Service Electric Co., elec. bells, 122 S. Michigan av, Chicago, Ill.
Service Elec. & Mfg. Co., switchboard, Minneapolis, Minn.
Service Glove Co., 62 Shipman, Newark, N. J.
Service Motor Truck Co., machsts., Wabash, Ind.
Service Products Corpn., radiator fans, 301 Kentucky av, Indianapolis, Ind.
Service Recorder Co., 2344 E. 105th, Cleveland, Ohio.
Service Tool Die & Mfg. Co., 206 E. Jefferson, Chicago, Ill.
Servoss, Chas. J., masons' & bldrs.' matls., Macedon, N. Y.
Servoss Furnace Co., 55 W. Austin av, Chicago, Ill
Servotte, Ernest W., contractor, Green Bay, Wis.
Servus Rescue Equipment Co., 50 Columbia, Newark, N. J.
Sessions Clock Co., Forestville, Conn.
Sessions Fdry. Co., grey iron castings, Bristol, Conn.
Sessions, F. E., Co., coffins, caskets, etc., Worcester, Mass.
Sessions, H. M., & Sons, fertilizer mfrs., Enterprise, Ala.
Sessions, J. H., & Son, trunk hdwre., etc., Bristol, Conn.
Sester Mfg. Co., seeders, Peoria, Ill.
Seton, Frank J., cornices, 78 Washington av, Brooklyn, N. Y.
Seton Leather Co., patent & enameled leather, 62 Verona av, Newark, N. J.
Setter Bros. Co., wood skewers, Cattaraugus, N. Y.
Settle, J. C., & Co., contractors, Pontiac bldg, St. Louis, Mo.
Settle, T. J., blankets—woolen, Scottsville, Ky.
Settle, W. A., brick, common, Clarksville, Tenn.
S. E. T. Valve & Hydrant Co., 56 Church, New York
*See adv index at end of book.*
Seufert Bros. Co., canned goods, The Dalles, Ore.
Seus, Rudolf, stone, 406 E. 109th, New York.
Seutter, Carl von, architect, Moore Bldg., San Antonio, Tex.
Severance Elect. Co., factory signals, 1 Hartford, Boston, Mass.
Severance Gas Machine Co., Freeport, Ill.
Severance & Van Alen, archt., 5 W. 37th, New York
Severence, H. Craig, & Van Alen, Wm., architects, 111 E. 40th, New York
Severence, S., Mfg. Co., bolt, nut & rivet, 3d, Pittsburgh, Pa.
Severet, J. A., & Co., meat packers, 32 E. Front, Cincinnati, O.
Severin, N. P., contractor, 82 W. Washington, Chicago, Ill.
Severns, J. T., & Sons Co., sashes, doors & blinds, Burlington, N. J.
Sevier, J. D., Son, mach. & fndr., Milan, Mo.
Sevison Electric Co., igniters, Elkhart, Ind.
Sewall Paint & Glass Co., 1009 W. 8th, Kansas City, Mo.
Seward & Co., machsts. & fndrs., Bloomington, Ind.
Seward, M., & Son Co., hdwe. mfrs., New Haven, Conn.
Seward Trunk & Bag Co., suit cases, Petersburg, Va.
Sewell-Clapp Envelopes Co., 23 N. Desplaines, Chicago, Ill.
Sewell Cushion Wheel Co., truck wheels, 1296 Gratiot, Detroit, Mich.
Sewell, W. F., flour mills, Bethlehem, Ky.
Sewer Pipe Manufacturing Co., Second Natl. Bk. Bldg., Akron, O.
Sewing Machine Cabinet Co., tel. cabinet works, Bridgeport, Conn.
Sewing Machine Supplies, 121 Beach, Boston, Mass.
Sewing Machine Times, trade publication, 47 E. 19th, New York
Sexauer, Chas., Roofing Co., cornices, 148 Sherman, Detroit, Mich.
Sexauer & Lemke, arch'l iron, Vernon av, Long Island City, N. Y.
Sexsmith Lbr. Co., Metaline Falls, Wash.
Sexton Can Co., can mfrs. & sheet metal workers, 123 Broad, Boston, Mass.
Sexton, J. F., & Co., sash, door & blind mfrs.—lbr., Spokane, Wash.
Sexton, Jno. M. L., brick, 1459 Mich. av, Chicago, Ill.
Sexton, Norman W., architect, 454 California, San Francisco, Cal.
Sexton, S. B., Stove & Mfg. Co., stove mfrs., 500 block W. Conway, Baltimore, Md.
Sexton Tractor Corp., Asbury Park, N. J.
Sexton, W. J., concrete contr., Hartford, Conn.
Seybold Machine Co., book binders' machinery, Dayton, Ohio.
Seybold Piano & Organ Co., Elgin, Ill.
Seydel Mfg. Co., colors, size, soap, etc., 88 Forrest, Jersey City, N. J.
Seyfarth, Robert E., architect, 134 S. La Salle, Chicago, Ill.
Seyfert, Simon (Est. of), rolling mills, Reading, Pa.
Seyfert's, L. F., Sons, Inc., machy. dlrs., 437 N. 3rd, Phila., Pa.
Seygrand & Co., airplane parts & supplies, 120 B'way, New York
Seyler Hardware Co., Marietta, Ohio.
Seymour, A. D., Jr., architect, 33 W. 42nd, New York
Seymour Brass Turning Co., screw mach. products, Seymour, Conn.
Seymour, Chas. H., archt., Lexington av & 42nd, New York
Seymour Cotton Oil Co., meal, Seymour, Tex.
Seymour, David C., hot water generators, 49 Lawrence, Newark, N. J.
Seymour, Ernest, watch crystals, 60 Nassau, New York.
Seymour Iron Foundry, Seymour, Conn.
Seymour, J. M., Jr., water motor fans, etc., 51 Lawrence, Newark, N. J.
Seymour Lumber & Hardware Co., Seymour, Conn.
Seymour Mfg. Co., grain cradles, pruning shears, scythe snaths, etc., Seymour, Ind.
Seymour Mfg. Co., nickel, brass, bronze, etc., sheets, wire & rods, Seymour, Conn.
Seymour Metal Goods Co., Seymour, Conn.
Seymour Planing Mill Co., sash, door & blind, Seymour, Ind.
Seymour & Schonewald, architects, Grand Central Terminal, New York.
Seymour Woolen Mills, Seymour, Ind.
S. F. K. Steel Barrel Co., 7930 Jones rd, Cleveland, Ohio.
Shabeck, John C. L., silver nov., 245 W. Exch., Providence, R. I.
Shaber, W. F., Co., cornices, 730 S. 12th, Louisville, Ky.
Shackelford Brick Co., Des Moines, Ia.
Shackelford Edgar, machsts., Cambridge, Md.
Shackley, W. T., & Son Co., mill & facty. supplies, 49 High, Boston, Mass.
Shadall Mfg. Co., closet ventilators, Wauwatosa, Wis.
Shadbolt & Boyd Iron Co., 131 W. Water, Milwaukee, Wis.
Shadbolt Mfg. Co., wagons, 68 Flushing av, Brooklyn, N. Y.
Shadburn Bros., harness, Buford, Ga.
Shade, Grant, architect, Renova, Pa.
Shade, John W., contractor, Palmyra, N. J.
Shadegg, J. C., Engine Co., 315 S. 3d, Minneapolis, Minn.
Shady Brook Shingle Co., Lynden, Wash.
Shafer Bearing Corp., Ravenswood av, at Sunnyside, Chicago, Ill.
Shafer, M. F., & Co., advtg. novelties, 12th & Farnham, Omaha, Neb.
Shafer Mfg. Co., chemical closets, 445 Colton Bldg., Toledo, O.
Shafer, O. J., patterns, etc., 207 E. 6th, Cincinnati, Ohio.
Shafer, Perry C., Co., fertilizer mfrs., Brockport, N. Y.
Shaffer, C. F., Lumber Co., Laurel, Md.
Shaffer Color & Varnish Corp., Hoboken, N. J.
Shaffer, G. W., drain tile, Spencerville, Ohio.
Shahan, Patrick, & Son, contractors, Lebanon, Ind.
Shain, Chas. D., primary & secondary terminals, Station L, Brooklyn, N. Y.
Shakespeare Co., carbureters & fishing tackle mfrs., Kalamazoo, Mich.
Shakespeare Iron Works, 913 Girod, New Orleans, La.
Shakopee Cement Lime Mfg. Co., 220 Chestnut, St. Paul, Minn.
Shakopee Stove Wks., machsts. & fndrs., Shakopee, Minn.
Shale Brick & Tile Co., Chillicothe, Mo.
Shaler, C. A., Co., elec. heating pads, stoves & vulcanizers, Waupun, Wis.
Shaler Umbrella Co., Waupun, Wis.
Shalita Bros., tin cans, 268 South, New York.
Shallcross, J., & Son, meat packers, Coatesville, Pa.
Shambaugh & Son, flour mills, Clarinda, Ia.
Shambleau, Roy, architect, 731 J. M. S. bldg., South Bend, Ind.
Shambow Shuttle Co., Woonsocket, R. I.
Shamburg & Allen Machine Co., machsts. & fndrs., Coraopolis, Pa.
Shamokin Lumber & Mfg. Co., Shamokin, Pa.
Shamokin Powder Co., Shamokin, Pa.
Shampan & Shampan, architects, 50 Court, Brooklyn, N. Y.
Shanafelt Mfg. Co., pattern makers' supplies, Canton, Ohio.
Shanaman Bros., brooms (corn), Reading, Pa.
Shand Builders' Supply Co., Columbia, S. C.
Shands, T. W., & Co., turpentine, Green Cove Springs, Fla.
Shane & Co., plbrs.' supplies, 3,304 Wentworth, Chicago, Ill.
Shane Furnace & Metal Appliance, West Warren av & S. Delaware, Denver, Colo.
Shaner, Geo. W., & Son, contractors, Palmyra, N. J.
Shank Co., contrs., 30 N. La Salle, Chicago, Ill.

s, Cyrus, Co., screw machine products, 625 W. Jackson, Chicago, Ill.
s, D. C., & Co., sashes, doors & blinds, Pandora, Ohio.
s, Daniel, Lumber Co., Angola, Ind.
, E. A., Sign Co., 19 Park pl, New York.
s, Edward D., architect, 38 S. Dearborn, Chicago, Ill.
s, I. L., masons' & bldrs.' matls., Titusville, Pa.
s Milling Co., flour, Salem, Va.
kel, Emanuel K., brick, Pennsburg, Pa.
key, Thos., & Son, brick, Haverstraw, N. Y.
kland, E. C. & R. M., arch'l engrs., 209 S. La Salle, Chicago, Ill.
klin Mfg. Co. locks, lead pencils, & acetylene lamps, Springfield, Ill.
ey, G. H., architect, Great Falls, Mont.
ey, J. F., Co., contractors, 26 Exchange pl, Jersey City, N. J., & Commercial Trust Bldg., Philadelphia, Pa.
n Mfg. Co., mouse traps, card & label holders, Middletown, N. Y.
nahan & Wrightson Hardware Co., cornices, Easton, Md.
nock Narrow Fabric Co., cotton shelving, Pawtucket, R. I.
non Bed Spring Co., Louisville, Ky.
non, E. F., contractor, Haverhill, Mass.
non, Grant S., cornices & skylights, Houston, Tex.
non, J. A., architect, Devils Lake, N. D.
non, J. B., Hardware Co., 816 Chestnut, Philadelphia, Pa.
non, J. H. & R., contractors, 538 Bergen av, Jersey City, N. J.
non, J Jacob, & Co., whol. hdwe., mill & fndry. supplies.
rane & derrick bldrs., etc., 1744 Market, Philadelphia, Pa.
non Lafe Co., vacuum cleaners, Waterloo, Ia.
non Mfg. Co., garbage burners, 224 W. 26th, New York
non, T. B., mill & facty. supplies, Iola, Kans.
non, Wm., file mfrs., Middletown, N. Y.
z, M. B., button mfrs., 237 S. Wells, Chicago, Ill., & Rochester, N. Y.
& Bready, architects, 220 W. 42d, New York.
er, F. D., Elev. Co., 153 Franklin, New York.
ro Plumbing Supply Co., A., Inc., 167 Av A, New York.
ro, A., & Co., plbrs.' supplies, 167 av A, New York.
ro, Archibald J., architect, 1 Madison av, New York.
ro & Aronson, elec. & gas light fixtures, 20 Warren, New York.
ro, David, cornices, 3474 3d av, New York.
ro, Hy., scrap brass, iron & steel, Wilkes-Barre, Pa.
ro, M., & Son, contractors, 299 B'way, New York.
eigh, Bertram, architect, 4 E. 44th, New York.
eigh Hardware Co., 4th & Washington av, St. Louis, Mo.
ey & Wells, machts., Binghamton, N. Y.
er, Rich. S., architect, Summit, N. J.
er & White Hardware Co., Elizabeth City, N. C.
s, F. I., common brick, Hamden, Conn.
nk Elec. Mfg. Corp., wire connectors, 84 Walker, New York.
& Fellows Contng. Co., Vernon, Los Angeles, Cal.
ey Bros., contrs., Scranton, Pa.
ey, P., & Son, horse collars, 53 Union, Portland, Ore.
ey & Peck, boiler cleaners, heaters, tanks, etc., 2433 W. 8th, Chicago, Ill.
ow Bros. Co. milk bottle carriers cans, bilge and oil pumps, mooring buoys & moving picture booths & equipment, 442 W. 42d, New York.
nan Bros., machsts., 256 Pearl, New York.
n Bldg. Co., Sharon, Pa.
n Center Canning Co., Sharon Center, Ohio.
n Clay Products Co., Sharon, Pa.
n Fire Brick Co., Sharon, Pa.
n Fndry. Co., Sharon, Pa.
n Hdwe. Mfg. Co., shelf brackets, Sharon, Pa.
n Iron & Metal Co., scrap, Sharon, Pa.
n Mach. Co., Sharon, Pa.
n, Sam'l A., ties, poles, Newport, Pa.
n Steel Hoop Co., hoops & bands, Sharon, Pa.
n Trunk Co., 1625 5th av, Pittsburgh, Pa.
n, W. J., machinist, Wichita, Kans.
, A. J., & Co., machsts. & fndrs., Harrisonville, Mo.
Bros., wall plaster mfrs., Youngstown, Ohio.
, C. H., Const. Co., contrs., Sharp Bldg., Kansas City, Mo.
, C. H., Mfg. Co., radiators, 315 W 5th, Los Angeles, Cal.
, F. K., architect, Selling Bldg., Portland, Ore.
, Al., cornices & skylights, Montezuma, Ind.
, H. W., mill & factory supplies, Portland, Ore.
, J. C., Brass Works, machsts. & fndrs., Chattanooga, Tenn.
, J. V., Canning Co., Williamstown, N. J.
, Leander, contractor, Bridgeton, N. J.
Mfg. & Supply Co., stove mfrs., mill & facty. supplies, New Philadelphia, Ohio.
Rotary Ash Receiver Co., ash cans & hoists, coal conveyors & rotary receivers, Binghamton, N. Y.
Spark Plug Co., C. A. C. Bldg., Cleveland, Ohio.
, W. M., Mfg. Co., machsts., Binghamton, N. Y.
, W. N., & Sons, lbr., Akron, Ala.
, Wm. A., contractor, Reading, Pa.
& Smith, surgical hosiery & instrs., 65 E. Lake, Chicago, Ill.
e, A. R., architect, Willimantic, Conn.
e Bros., glass stainers, 951 Broad, Newark, N. J.

Sharpe & Co., lubrg. oils & greases, 97 Water, New York.
Sharpe, H. Percy, architect, 315 2nd av N., Seattle, Wash.
Sharpe, Jos., Construction Co., masons' & bldrs.' matls., Paterson, N. J.
Sharples Separator Co., cream separator mfrs., West Chester, Pa.
Sharples, Stephen P., chemists, 26 Broad, Boston, Mass.
Sharpless & Watts Co., fire place furnishings, 1520 Sansom, Philadelphia, Pa.
Sharpley, W. W., architect, 1713 Sansom, Phila., Pa.
Sharps Brass Fdry., Seattle, Wash.
Sharpsburg Fndry. Co., Sharpsburg, Pa.
Sharpsville Boiler Wks. Co., Sharpsville, Pa.
Sharpsville Canning Co., Sharpsville, Ind.
Sharpsville Furnace Co., Sharpsville, Pa.
Shartle Bros. Mach. Co., Middletown, Ohio.
Shartle Mach. Co., dlrs, Columbus, Ohio.
Shartzer, G. H., Co., contrs, Dayton, Ohio.
Shary William, architect, 369 E. 207th, New York
Shattuck, Austin M., contractor, Brazil, Ind.
Shattuck, C. E., architect, Mason Bldg., Los Angeles, Cal.
Shattuck Edinger Co., contr., 525 Market, San Francisco, Cal.
Shattuck-George Iron Co., Wichita, Kans.
Shattuck & Hussey, architects, 19 S. La Salle, Chicago, Ill.
Shattuck, G. H., Inc., shipbldrs, Portsmouth, N. H.
Shattuck, Jas. S., architect, 82 N. Pearl, Albany, N. Y.
Shattuck, R. P., machst. & fndr., Clinton, Ind.
Shattuck, T. N., lumber mfrs., Piffard, N. Y.
Shaub, Henry Y., architect, N. Queens & Chestnut, Lancaster, Pa.
Shaugnessy Constr. Co., 372 B'way, Albany, N. Y.
Shavelight Corp., shaving mirrors, 30 Church, New York.
Shaver Bros., contrs., Auburn, N. Y.
Shaver, C. W., architect, Salina, Kansas.
Shaver, J. A., flour mills, Greenville, Ky.
Shaver, J. W., canned goods, Troutville, Va.
Shaver, R. M., lbr., Chehalis, Wash.
Shaver, W. B., contractor, Virginia, Minn.
Shaw, A. B., Estate, flour, Shawville, Pa.
Shaw, A., Co., scrap iron & steel, 976 E. 67th, Cleveland, Ohio.
Shaw, A. L., architect, Tampa, Fla.
Shaw Advtg. Co., Produce Exch. Bldg., Kansas City, Mo.
Shaw, Alex. L., contractor, Warren, Pa.
Schaw-Batcher Co., steel pipes, Sacramento, Cal.
Shaw, Benj. F., Co., steamfitters supplies, Wilmington, Del.
Shaw Blue Print Mach. Co., 11 Campbell, Newark, N. J.
Shaw Bros., brass fndrs., 43 Hermon, Newark, N. J.
Shaw, C. H., Pneumatic Tool Co., Denver, Colo.
Shaw, C. P., & Co., machsts. & fndrs., Natchez, Miss.
Shaw Co., carriage hubs, Crandon, Wis.
Shaw & Co., modelers & sculptors, 864 N. Franklin, Phila., Pa.
Shaw Coupling Co., Syracuse, N. Y.
Shaw, E., brick, Joliet, Ill.
Shaw Elec. Crane Co., machsts., 119 W. 40th, New York.
Shaw, Frederic, architect, Tacoma bldg, Tacoma, Wash.
Shaw, Fred'k E., contractor, 126 Melrose, Providence, R. I.
Shaw Furniture Co., Cambridge, Mass.
Shaw, G., machsts., Ithaca, N. Y.
Shaw, G. M., architects, Memphis, Tenn.
Shaw, Geo. H., Co., varnish, Middleboro, Mass.
Shaw, H. A., Metal Spinning Co., cornices & skylights, Seattle, Wash.
Shaw, H. C., Co., agricultural implements, Stockton, Cal.
Shaw, Hamlin J., machst., Cambridge, Mass.
Shaw, Harry W., masons' & bldrs.' matls., Everett, Wash.
Shaw, Herbert, stone producers, Walton, N. Y.
Shaw, Howard, Van Doren, architect, 39 S. State, Chicago, Ill.
Shaw Insulator Co., lightning arresters, 5 Kirk pl, Newark, N. J.
Shaw, J. D., architect, 510 S. Spring, Los Angeles, Cal.
Shaw, J. G., Blank Book Co., 72 Walker, New York.
Shaw, J. William, architect, Wayne, Pa.
Shaw, John, & Co., arsenate of soda & soluble oil, 15 Elkins, So. Boston, Mass.
Shaw, John L., contractor, Coshocton, Ohio.
Shaw, John P., & Co., paint mfrs., Bridgeton, N. J.
Shaw, Jno. W., & Son Co., contractors, 351 S. 9th, Newark, N. J.
Shaw-Kendall Engineering Co., plbrs'. supplies, pipe bends & fittings, Toledo, Ohio.
Shaw Land & Timber Co., Ivor, Va.
Shaw, L. F., & Sons Co., sashes, doors & blinds, Cartersville, Ga.
Shaw Mfg. Co., machsts., Galesburg, Kans.
Shaw, P. M., Jr., & Co., lbr., Duluth, Minn.
Shaw Piano Co., 1640 Gorsuch av, Baltimore, Md.
Shaw Propeller Co., propeller wheels & wrench mfrs., 15 Elkins, Boston, Mass.
Shaw, R. W., architect, Enid, Okla.
Shaw Show Case Co., Seattle, Wash.
Shaw Silas Brick Co., Joliet, Ill.
Shaw, Stanley F., architect, Tacoma bldg, Tacoma, Wash.
Shaw & Tenney, dowels, Orono, Me.
Shaw-Walker Co., filing devices, 1210-22 Western av, Muskegon, Mich.
Shaw, Welsh & Co., baling presses, Galesburg, Ill.
Shaw, Wm. M., Co., machsts. & fndrs., Brazil, Ind.
Shaw, Wm. R., stone, Bridgeton, N. J.
Shaw, Willis, contrs. supplies, 80 E. Jackson blvd, Chicago, Ill.

Shaw Wire Fence Co., Warsaw, Ohio.
Shawano Canning Co., Shawano, Wis.
Shawano Lbr. Co., Shawano, Wis.
Shawder, W. B., fndr., Richfield, Pa.
Shawinigan Electro Products Co., ferro manganese, 3920 Philadelphia rd., Baltimore, Md.
Shawmut Chemical Co., boiler preservative, 42 Battery Canal, Boston, Mass.
Shawmut Clay Mfg. Co., flue linings & underground conduits, Drummond & Shawmut, Pa.
Shawmut Co., mill & factory supplies, 54 Canal, Baston, Mass.
Shawmut Iron & Wire Wks., steel fcty. bins, Everett, Mass.
Shawmut Machy. Co., 82 Lincoln, Boston, Mass.
Shawmut Paving Brick Co., Shawmut, Pa.
Shawmut Vitrified Paving Brick Wks., Shawmut, Pa.
Shawnee Flash Brick Co., Columbus, Ohio.
Shawnee Fdry. & Mach. Shop, Shawnee, Okla.
Shawnee Lbr. Co., 1775 Weber, Cumminsville, Cincinnati, O.
Shawnee Milling Co., flour, Shawnee, Okla., & Topeka, Kans.
Shawnee Supply Co., whol. hdwe., Plymouth, Pa.
Shawver Co., auto. jacks, tools, etc., Springfield, Ohio.
Shawver, John L., contractor, Bellefontaine, Ohio.
Shawver, W. F., Co., cornices & skylights, Charleston, W. Va.
Shay, C. M., Fertilizer Co., Groton, Conn.
Shay, E., & Son, machsts. & fndrs., Harbor Springs, Mich.
Shay, Howell Louis, architect, North American bldg., Philadelphia, Pa.
Shays, J. R., blueprints, 145 Greenwich, New York.
Shayne, C. C., & Co., carriage robes, 126 W. 42d, New York.
Shea Bros., machsts. & fndrs., Fall River, Mass.
Shea & Co., cornices, Holyoke, Mass.
Shea, Daniel, Boiler Wks., Memphis, Tenn.
Shea, Donnelly Giberson Co., stone prod., Lynn, Mass.
Shea, J. L., contractor, Springfield, Mass.
Shea, John J., & Son, cut glassware, Cambridge, Mass.
Shea & Lofquist, architects, 742 Market, San Francisco, Cal.
Shea-Sullivan Co., contractors, 303 Main, Stamford, Conn.
Shea R. T., contr., Riverside, Cal.
Shea, T., masons' & bldrs.' matls., Springfield, Mass.
Shea, Thos. J., Co., contractors, Jamaica, Boston, Mass.
Shea, Wm. D., architect, 244 Kearny, San Francisco, Cal.
Shea, Wm., & Son, contractors, Quincy, Mass.
Sheaff, A. P., contractor, Chester, Pa.
Sheaffer, W. A., Pen Co., Ft. Madison, Ia.
Sheahan, A. J., Granite Co., Graniteville, Mo.
Sheahan Construction Co., Roanoke, Va.
Sheahan & Groark, cornices, 285 State, New Haven, Conn.
Sheal Creek Coal Co., McCormick bldg, Chicago, Ill.
Shean, Paul, Co., mill & facty. supplies, Galveston, Tex.
Shear Klean Grate Co., Monadnock bldg., Chicago, Ill.
Shearer & Emery, masons' & bldrs.' matls., Hobart, Ind.
Shearer, Kagey & Co., lumber mfg., Ashland, Ohio.
Shearer, Sam'l H., & Son, lbr., 1420 Chestnut, Philadelphia, Pa.
Shearer, Thomas R., contr., 7 W. Madison, Chicago, Ill.
Shearman Heating Co., 18 Union, Boston, Mass.
Shearston-Lowell Mfg. Co., canvas gloves, Lockport, N. Y.
Sheblessy, J. F., architect, Lincoln Inn Court, Cincinnati, Ohio.
Shebly Steel Tube Co., Ellwood City, Pa.
Sheboygan Chair Co., lawn settees, Sheboygan, Wis.
Sheboygan Coaster & Wagon Wks., Sheboygan, Wis.
Sheboygan Lime Wks., Sheboygan, Wis.
Sheboygan Mattress Co., Sheboygan, Wis.
Sheboygan Novelty Co., music cabinets, Sheboygan, Wis.
Sheboygan Pad Co., Sheboygan, Wis.
Shedd-Brown Mfg. Co., advertising novelties & specialties, 317½ 5th av, S., Minneapolis, Minn.
Shedd Elec. Co., dynamo mfrs., Roselle Park, N. J.
Shedd, L. F., masons' & bldrs.' matls., Jamestown, N. Y.
Shedd, W. A., & Co., masons' & bldrs.' matls., Nashua, N. H.
Shedden, Jas., & Co., contractors, 106 N. La Salle, Chicago, Ill.
Sheedy, Thos. W., lime mfrs., Fayetteville, N. Y.
Sheehan Construction Co., 309 Holiday, Indianapolis, Ind.
Sheehan, D. H., press cloths, Westford, Mass.
Sheehan, Henry, & Son, contractors, 1208 Collingswood, Toledo, Ohio.
Sheehan, John R., contractor, Court Ex. Bldg., Bridgeport, Conn.
Sheehan, John W., contractor, 585 Western av, Lynn, Mass.
Sheehan, T. Edw., architect, Tremont Bldg., Boston, Mass.
Sheehan, Wm. G., Constr. Co., 28 De Witt, Albany, N. Y.
Sheeler-Hemsher Co., fndrs., 811 Fairmont av, Philadelphia, Pa.
Sheen, M. Roy, contractor, 450 W. Wilton, Philadelphia, Pa.
Sheenan, David J., Co., bldg. contrs., 424 B'way, Lynn, Mass.
Sheer Bros. Fence & Iron Co., bank & office railings, 715 E. 103d, Cleveland, Ohio.
Sheer, E., agricultural implements, Lincoln, Ill.
Sheer, H. M., Co., incubators & brooders, Quincy, Ill.
Sheermesser, H. S., machst. & fndr., McKeesport, Pa.
Sheet Metal, trade publication, 56 5th av, New York
Sheet Metal Mfg. Co., stove pipe mfrs., Niles, Ohio.
Sheet Metal Mfg. Co., ventilators, 949 Myrtle av, Brooklyn, N. Y.
Sheet Metal Specialty Co., stove pipe, Follansbee, W. Va.
Sheets Elevator Co., Cleveland, O.
Sheets-Ingersoll Co., contrs., Danville, Ill.
Sheets, J. B., Co., contractors, Kelly & Murtland, Pittsburgh, Pa.
Sheets, Wm. H., Jr., Co., paint brushes, 121 S. Charles, Baltimore, Md.
Sheffield, A. W., architect, Keystone bldg, Pittsburgh, Pa.



Sheffield Brick & Tile Co., Sheffield, Ia.
Sheffield By-Products Co., Hobart, N. Y.
Sheffield Car & Equipment Co., Sheffield, Mo.
Sheffield Co., wholesale hardware, Americus, Ga.
Sheffield F. E., excelsior mfs., Mooers, N. Y.
Sheffield Fdry. Co., Clybourn av. & Herndon, Chicago, Ill.
Sheffield Glass Bottle Co., Sheffield, Pa.
Sheffield Iron Corp., blats furnaces, Sheffield, Ala.
Sheffield King Milling Co., feed, 3rd Fl. Cham. Com., Minneapolis, Minn.
Sheffield Machine & Foundry Co., Sheffield, Ala.
Sheffield, (The) Machine & Tool Co., Dayton, Ohio.
Sheffield Mfg. Co., agricultural implements, Burr Oak, Mich.
Sheffield, R. H., turpentine, Blakely, Ga.
Shehan, Geo. C., brick, Asheville, N. C.
Sheinart, Louis A., architect, 194 Bowery, New York
Sheip, Henry H., Mfg. Co., box mfrs., Randolph & Columbia a Philadelphia, Pa.
Sheip, Jerome H., Inc., lbr., Mobile, Ala.
Sheip & Vandegrift, phono. horns, 814 N. Lawrence, Phila, P
Shekleton Nutlock, Ltd., 68 Broad, New York.
Shelburne Mfg. Co., bobbins, Shelburne, N. H.
Shelby Calendar & Nov. Co., advtg. novelties, Shelbyville, In
Shelby Cotton Mills, Shelby, N. C.
Shelby-Downard Asphalt Co., Ardmore, Okla.
Shelby Fdry. Co., Shelby, Okla.
Shelby Gas Engine Co., mchsts. & fdrs., Shelbyville, Ind.
Shelby Iron Co., Shelby, Ala.
Shelby Lamp Division of G. E. Co., Shelby, Ohio.
Shelby Oil Co., Shelby, Miss.
Shelby Spring Hinge Co., Shelby, Ohio.
Shelby Tractor & Truck Co., farm tractors, Shelby, Ohio
Shelby Wire Co., Shelby, Ohio.
Shelbyville Desk Co., Shelbyville, Ind.
Sheldon Axle & Spring Co., Wilkes Barre, Pa.
Sheldon Brick & Bldg. Supply Co., Champaign, Ill.
Sheldon Engine & Sales Co., cement mixer, Waterloo, Iowa.
Sheldon Frank P. & Sons, mill engineers, Hospital bldg, Providence, R. I.
Sheldon Handle Co., Kinzua, Pa.
Sheldon, F. C., Slate Co., roofing slate mfrs., Granville, N. Y.
Sheldon Hardware Co., cornices & skylights, Janesville, Wis.
Sheldon, G. W. & Co., Rapeseed oils, 8 Bridge, New York
Sheldon, H. Mfg. Co., Dowels, Elkland, Pa.
Sheldon, J. A., contractor, Olean, N. Y.
Sheldon, M. A., architect, 110 Sutter, San Francisco, Cal.
Sheldon Mfg. Co., concrete mixers, Nehawka, Neb.
Sheldrake, J. W., canned goods, Harrington, Del.
Sheline, E. R., & Son, wood handles, Edon, Ohio.
Shell Co. of Cal., petroleum, 343 Sansome, San Francisco, Cal.
Shellberg & Lawson, contractors, Jamestown, N. Y.
Shelley, Geo. & Son, machsts. & brass fndrs, Wilkesbarre, Pa.
Shellman Home Mixture Guano Co., Shellman, Ga.
Shelton Bros., machs. & fdrs., Paducah, Ky.
Shelton Elec. Co., dental engines, drink mixers, etc., 30 E 4 New York
Shelton, J. R., Hdwe. Co., mill & factory sup., Clarksdale, Mi
Shelton Mills, flour, Chattanooga, Tenn.
Shelton Tack Co., Shelton, Conn. *See adv. index at end of book*
Shelton Tool & Mch. Co., cutlery, jigs & special mchy, Shelt Conn.
Shelton, W. H. & Son, machs. fdrs., Hot Springs, Ark.
Shelton Water Co., boat cleats, Derby, Conn.
Shelverton, C., contractor, Atlanta, Ga.
Shenandoah Lime Co., Straasburg Junction, Va.
Shenandoah Packing & Mercantile Co., canned goods, Stark Va.
Shenandoah Pulp Co., Harper's Ferry, W. Va.
Shenango Furnace Co., blast, Oliver Bldg., Pittsburgh, Pa.
Shenango Limestone Co., Pittsburgh, Pa.
Shenango Mach. Co., Sharon, Pa.
Shenango Pottery Co., New Castle, Pa.
Shenk Henry Co., contractors, Erie, Pa.
Shenton Thos. H., slates, Slatedale, Pa.
Shepard Amos L., patterns & models, Plantsville, Conn.
Shepard, Augustus D., architect, 101 Park av, New York
Shepard Co., Inc., plbrs. supplies, White River Junction, Vt.
Shepard Daniel L., contractor, 46 Cornhill, Boston, Mass.
Shepard Edw. G., wholesale hardware, 102 Chambers, New Yo
Shepard Elec. Crane & Hoist Co., Montour Falls, N. Y. *See adv index at end of book.*
Shepard, Farrar & Wiser, architects, R. A. Long Bldg., Kans City, Mo.
Shepard, Geo. C., architect—naval, Munsey Bldg., Baltimore, M
Shepard, Geo. F., architect, 78 Devonshire, Boston, Mass.
Shepard, H. G., & Sons, auto. bodies, bows, &c., New Hav Conn.
Shepard, J. J., masons' & bldrs.' matls—firebrick, 1078 Ri av, N. W., Cleveland, O.
Shepard Lathe Co., machsts., Canal & Jackson, Cincinnati,
Shepard Mfg. Co., dry plates, Worcester, Mass.
Shepard & Morse Lumber Co., 201 Devonshire, Boston, Mass.
Shepard Norwell Co., mattresses, 30 Winter, Boston, Mass.
Shepard Paint Co., 19 E. Long, Columbus, Ohio.
Shepard-Traill Co., lumber mfrs., Seattle, Wash.
Shepfer Moomaw Bros., brick, Sugarcreek, O.
Shepherd Bros., brick, Columbus, Ga.

epherd Chem. Co., Beech & Highland, Cinn., Ohio.
epherd Constr. Co., Wilkes-Barre, Pa.
epherd Engng. Co., mchsts. & fndrs., Williamsport, Pa.
epherd, Frank H., architect, Framingham, Mass.
epherd Lumber Co., Waterloo, Ia.
epherd, M. L., machinist, Newark, O.
epherd & Rust, elec. light fix. mfrs., Wilkes-Barre, Pa.
epherd & Son, architect, Wilmington, O.
epherd Supply Co., tin plate, Charleston, S. C.
epherd, T. J., lbr., Petersburg, Va.
eppard, C. E., Co., loose leaf devices, Spring & Hudson, New York
eppard, E. A., stone producers, Pine Bluff, Ark.
eppard, Isaac A., & Co., mchsts. & fndrs., Land Title bldg, Philadelphia Pa.,
eppard, J. E., Co., counting machines, Worcester, Mass.
eppard Mfg. Co., machsts., Louisville, Ky.
eppard, W. S., lub. oils & greases, 21 Lawrence, Newark, N. J.
er, Louis, ivory buttons, 229 W. 28th, New York
erburne & Co., railway, mill and facty. supplies, 53 Oliver, Boston, Mass.
erburne, W. A., lumber, Tyngsboro, Mass.
erer, E., lumber, Mapleton, O.
erer Robert, & Co., contrs., Pacific Electric Bldg., Los Angeles, Cal.
eres, Chas., archt., 460 E. 10th, New York.
erick, Harry C., loose leaf devices, 210 E. 4th, Cincinnati, O.
eridan Coal Co., The, Omaha, Neb.
eridan Commercial Car Co., Harvey, Ill.
eridan Green & Co., htg. contrs., Goshen, Ind.
eridan Iron Wks., mchsts. & fndrs., Champlain, N. Y.
eridan, Jas. & Sons, machsts., Franklin, Pa.
eridan, Jno. J. & Co., machsts., Mars, Pa.
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eridan Milling Co., flour, Sheridan, Ind.
eridan Packing Co., Sheridan, Ind.
eridan Stove Co., Quincy, Ill.
eridan T. W., & C. B. Co., paper box, wire stitching & book binders' machy., etc., 434 B'way, New York.
eriff Preserve Co., canned, 123 E. Pearl, Cincinnati, Ohio.
eriff's Mfg. Co., pro'ler wheels, 235 S. Water, Milwaukee, Wis.
erin W. R., Co., carriages, 547 Edison, Milwaukee, Wis.
erlock, John J., contrs., 206 Canal, Syracuse, N. Y.
erlock, Wm., Mfg. & Bldg. Co., contrs., Syracuse, N. Y.
erman, A., Lbr. Co., Grand Cen. Ter., New York
erman Bros. Lbr. Co., Houlton, Ore.
erman & Co., paper & pulp mill, Belfast, Me.
erman Envelope Co., Worcester, Mass.
erman, Eugene M., binnacles, compasses & nautical instruments, Bellevue, Wash.
erman, G. N. B., & Son, mill & facty. supplies, Newton Hlds., Boston, Mass.
erman, H. B. Mfg. Co., brass & bronze castings, etc., Battle Creek, Mich.
erman Hame Co., Sherman, Tex.
erman Herbert L., chemists, 12 Pearl, Boston, Mass.
erman Hog Greaser Co., oilers, Peoria, Ill.
erman, Isaac, contractor, Westerly, R. I.
erman, James L., sash, door & blind, New Bedford, Mass.
erman, John L., contr., 253 1st av, W. H., New Haven, Conn.
erman-Klove Co., auto parts, nuts, screws, etc., 5438 W. Harrison, Chicago, Ill.
erman Mfg. Co., clamps & battery con's., Battle Creek, Mich.
erman Mfg. Co., cotton duck & canvas, Sherman, Tex.
erman-Moore Co., masons' & blds.' matls., Lowell, Mass.
erman, N. S., Machy. & Iron Wks., Oklahoma, Okla.
erman Preserving Co., Sherman, N. Y.
erman, R. A. & Son, contractors, New Benford, Mass.
erman, S., & Son, masons' & bldrs.' matls., Poultney, Vt.
erman-Stalter Co., contractors, Cleveland, O.
erman, W. S., Co., woodworking machy., 495 Clinton, Milwaukee, Wis.
erman, Wm. U., contractor, 18 Lyndhurst, Boston, Mass.
erman's, R. A., & Sons Co., masons' & blds.' matls., Westerly, R. I.
ermerhorn Richard, Jr., architect, 347 5th av, New York
ermund, Henry, architect, Hearst Bldg., San Francisco, Cal.
errill, Chas. L., contractor, Morgan Bldg., Buffalo, N. Y.
errill-King Mill & Lumber Co., Paducah, Ky.
errill-Russell Lumber Co., Paducah, Ky.
errill, S. C., contractor, Kearns Bldg., Salt Lake City, Utah.
errill, T. B., contractor, Tampa, Fla.
erritt & Stoer Co., Inc., machy. dlrs., 2006 Market, Phila., Pa.
errod, W. L., lbr., Macon, Miss.
erwin, E. C., & Son, agricultural implements, Brandon, Wis.
erwin Electr. Co., Burlington, Vt.
erwin-Williams Co., paints, varnishes, etc., Cleveland, Ohio.
erwood Brass Works, brass founders & finishers, 1167 Jefferson E. Detroit, Mich.
erwood Bros. lubrg. oils, Garrett bldg, Baltimore, Md.
erwood Bros. Mfg. Co., auto truck trailers, vehicles, &c., Canastota, N. Y.
erwood Canning Co., Sherwood, Md.
erwood Co., school furniture, 1856 W. 14th, Chicago, Ill.
erwood, E. C., second-hand railroad equipment, 50 Church, New York.
erwood, Hall Co., Ltd., mfrs. sleight knees, Grand Rapids, Mich.
Sherwood, J. F., contractor, Yonkers, N. Y.
Sherwood, J. M. Co., pot cleaners, 154 Chambers, New York
Sherwood, Lorenzo W., htg. contr., 117 Edgecombe av, New York
Sherwood Mfg. Co., lubricators, injectors, cleaners, etc., 1709 Elmwood, Buffalo, N. Y.
Sherwood Metal Working Co., window screens, Syracuse, N. Y.
Sherwood & Snell, fndrs., Middleport, N. Y.
Sherwood, W. L., mach. & fdr., Kirksville, Mo.
Shetucket Co., Denims, Greenville, Conn.
Shevlin-Carpet & Clark Co., lbr., First Nat'l Soo Line Bldg., Minneapolis, Minn.
Shevlin, Edwin C., lbr. mfrs., Spalding Bldg., Portland, Ore.
Shevlin Engng. Co., Inc., grates, 108 W. 34th, New York.
Shevlin-Hixon Co., lumber, Minneapolis, Minn.
Shewan, Jas. & Son, marine boilers, dry docks & marine rys., 1 B'way, New York.
Sheybogan Woodworking Co., sash, door & blind mfr., Sheboygan, Wis.
Sheynis Ozone Co., ozone clarifiers, 39 Pine, New York.
Shick, Charles & Co., whol. hdwe., Trenton, N. J.
Shiel-Chapin Construction Co., 220 N. Illinois, Indianapolis, Ind.
Shield Waldron & Co., granite, Barre, Vt.
Shields & Bro., wholesale hardware, 521 Market, Phila., Pa.
Shields, C. W., cut glassware, Hawley, Pa.
Shields Carriage Co., Amesbury, Mass.
Shields Cutter Co., 18511 Euclid av, Cleveland, O.
Shields, D. B., lbr., Marienville, Pa.
Shields, E. M., contractor, Chambersburg, Pa.
Shields Foundry Co., Mansfield, Mass.
Shields-Geise Lumber Co., Dawson, Ga.
Shields & Hackett, cornices, 549 Howard, San Francisco, Cal.
Shields, J. H., doors, elevator gates, etc., 231 Sycamore, Cincinnati, Ohio.
Shields, John & Sons, brick, Washington, Iowa.
Shields, L. H., canned goods, English, Ind.
Shields, Moses, Sons, stone producers, Nicholson, Pa.
Shields, W. S. P., asphalt miners & refiners, Witherspoon, Bldg., Philadelphia, Pa.
Shiels Bros., cornices & skylights, Riverside, Cal.
Shiels, Chas. F., & Co., lbr. & veneer mfrs., Gest & McLean avs, Cincinnati, Ohio.
Shiely, J. L., Co., contrs., Flat Iron Bldg., St. Paul, Minn.
Shiffer Bros., contractors, Stroudsburg, Pa.
Shilling Fdry. Co., Columbus, Ohio.
Shilling, L. S., architect, Punxsutawney, Pa.
Shilling, W. Walter, architect, Troy, O.
Shilling, Wm. K., architect, Fox Holow Farm on S. T. & P. Ry., Springfield, Ohio.
Shilvey, S. H. & R. H., architects, Fremont, Ohio.
Shimer, J. R. Co., meat packers, Phillipsburg, N. J.
Shimer, McGlynn & Co., fndrs., 19th & Washington av, Philadelphia, Pa.
Shimer, Sam'l J., & Sons, mchsts. & fndrs., Milton, Pa.
Shimmin Harlen E., architect, 203 Euclid av, Cleveland, O.
Shimp, E., Co., canned goods, Hancock's Bridge, N. J.
Shimp & Harris, canned goods, Canton, N. J.
Shiner & Appel, architects, 185 Church, New Haven, Conn.
Shingler, J. S., & Bros., turpentine, Colquitt, Ga.
Shingler, T. J., & Bros., turpentine, Donaldsonville, Ga.
Shining Light Mfg. Co., greases & oils, Buffalo, N. Y.
Shinola Co., shoe blackening, Rochester, N. Y.
Ship Constr. & Trading Co., Inc., ship bldrs., Etonington, Conn.
Ship Island L'br. Co., Sanford, Miss.
Ship Lbr. Mill Co., Tacoma, Wash.
Shipp, C. C. & Co., heating & ventilating apparatus, Indianapolis, Ind.
Shipley Construction & Supply Co., ice & refrig. machines; ammonia conds. & fittings, etc., Ft. of Warren Brooklyn, N. Y.
Shipley & Co., advtg. novelties, 8 E. Chesnut, Columbus, Ohio.
Shipley Hardware Co., cornices & skylights, Lafayette, Ind.
Shipley Hdwe. Co., steam fitters' supplies, Meyersdale, Pa.
Shipley, J. W., harness, Winston-Salem, N. C.
Shipley, Jas. M., contractor, Anna, Ill.
Shipley, W. E. Machy. Co., Morris Bldg., Philadelphia, Pa.
Shipman, Geo., eyelet machs., West Bridgewater, Mass.
Shipman Mach. Co., Models & Machsts., 218 Summer, Boston, Mass.
Shipman Organ Co., High Point, N. C.
Shipman's, Asa L., Sons, loose leaf devices., 100 Chambers, New York
Shippen Bros. Lumber Co., Ellijay, Ga.
Shipperloc Co., elev. safety devs., 368 Atlantic av, Boston, Mass.
Shippey, Geo. W., contractor, Utica, N. Y.
Shippey, O. E., lumber, Lyle, Wash.
Shippey, Ward G., architect, Glens Falls, N. Y.
Shipway, John H. & Bro., marble, terrazzo flooring, etc., Locust av & 136th, New York.
Shire, Edward I., architect, 373 4th av, New York
Shirer, John W., cornices, Braddock, Pa.
Shirk, A. G., mchsts. & fdrs., Adamstown, Pa.
Shirk, P. E., machinist, Blue Ball, Pa.
Shirk Refrigerator Co., 116 S. Michigan av, Chicago, Ill.
Shirk, Samuel & Son, wholesale hardware, Hanover, Pa.
Shirkey, C. G., architect, 462 blvd., Rockaway Beach, N. Y.
Shirley & Co., silk fringes, 250 W. 54th, New York
Shirley, John E., & Son, contractors, Arlington Heights, Mass.
Shirley Lbr. Co., Shirley Mills, Me.

Shirley Radiator & Fdry. Co., Indianapolis, Ind.
Shivers, Clifford H., architect, Woodbury, N. J.
Shnable & Quinn, contractors, 30 N. La Salle, Chicago, Ill.
Shnyder, J. M., architect, Easton, Pa.
Shockley, Clinton P., architect, Waterloo, Ia.
Shockley, J. C., lumber, West Union, S. C.
Shoe & Leather Reporter, trade publication, 166 Essex, Boston, Mass.
Shoemaker, Benj. H., glass, 205 N. 4th, Philadelphia, Pa.
Shoemaker Coal Mining Co., bituminous, Real Estate Tr. bldg, Philadelphia, Pa.
Shoemaker, C. H., Lumber Co., Ocean City, N. J.
Shoemaker, F. A., inspecting & testing engrs., Builders Exchange, Buffalo, N. Y.
Shoemaker, J. D., architect, 24 James, Albany, N. Y., & Rensselaer, N. Y.
Shoemaker, J. M., Son, lbr., Evergreen, Ala.
Shoemaker, Lewis F., & Co., contractors, & steel structural wk., 256 Broadway, New York.
Shoemaker, Lewis F., & Co., steel struc. wk., plates & shapes, 2 S. 15th, Philadelphia, Pa.
Shoemaker, M. L., & Co., fertilizer mfrs., Venango & Del., Philadelphia, Pa.
Shoemaker, Marshall N., archt., 207 Market, Newark, N. J.
Shoemaker, Robt., & Co., wood fillers, paints, etc., 4th & Race, Philadelphia, Pa.
Shoemaker, Sam'l, contractor, Land Title Bldg., Phila., Pa.
Shoemaker, W. H., & Son, belting mfrs., 36 Vesey, New York.
Shoemaker's, J. B., Sons, packing box mfrs., Front & E, Philadelphia, Pa.
Shoof, Auslin H., contractor, Canton, Ohio.
Shoffner Bros., contrs., Norristown, Pa.
Sholder-Excel Mfg. Co., ammeters & voltmeters, Clyde, Ohio.
Sholler, F. J., architect, Altoona, Pa.
Shonberg, L., scrap brass & copper, 122 Flushing av, Bklyn, N.Y.
Shone Co., sewage ejectors, 231 Institute pl, Chicago, Ill.
Shoninger, B., Co., organs & pianos, New Haven, Conn.
Shoninger, B., Co., pianos, 505 5th av, New York.
Shonk, Chas. W., Co., advertising signs, 76 Wash. blvd., Detroit, Mich.
Shank, Charles W., Co., adding machines, Maywood, Ill.
Shons, Wm. H., contractor, Freeport, Ill.
Shook & Fletcher Supply Co., machy. dlrs., R. R. equipments, etc., Birmingham, Ala.
Shook, Ira E., masons' & bldrs.' matls., Stoney Ridge, Ohio.
Shook, Wilbur B., architect, Pythian, Indiapolis, Ind.
Shoop Bronze Co., Tarentum, Pa.
Shoop, Henry B., architect, 14th & Walnut, Harrisburg, Pa.
Shophell, Clifford, & Co., architects, Furniture Bldg., Evansville, Ind.
Shope Brick Co., mantel brick, 3952 14th av, Seattle, Wash.
Shopp, W. A., & Co., pump governors, New Castle, Indiana.
Shore & Dodge, architects, 608 Chestnut, Philadelphia, Pa.
Shore Instrument & Mfg. Co., The, scientific instrument mfrs., Jamaica, N. Y.
Shore, W. A., & Co., fertilizer, Baldwin, Ga.
Shorey, D. C., Brick & Supply Co., 1403 Un. Tr. Bldg., Cincinnati, Ohio.
Short, B. E., contractor, Sioux City, Ia.
Short, Chas. W., Jr., architect, 25 W. 44th, New York
Short Creek Coal Co., 1st Natl. Bank bldg, Pittsburgh, Pa.
Short Electrical Mfg. Co., flexible conducts, Penn Yan, N. Y.
Short, F., Co., contractors, Louisville, Ky.
Short W. P. Eyeglass frames & fittings, 103 Chestnut, Newark, N. J.
Short, John H., & Sons, sash, door & blind mfrs., 5 Uhler, Baltimore, Md.
Short-Minaugh Contg. Co., consulting engnrs., 26 N. Des Plaines, Chicago, Ill.
Short Turn Tractor Co., Globe Bldg., Minneapolis, Minn.
Shortsville Wheel Co., Shortsville, N. Y.
Shotten, Thos., Cut Glass Wks., 345 Eldert, Brooklyn, N. Y.
Shotwell Mfg. Co., corn poppers, 1021 W. Adams, Chicago, Ill.
Shotwell Pump & Tank Co., oil storage systems, 21 N. Alabama, Indianapolis, Ind.
Shoultz, A. H., architect, Watertown, S. Dak.
Shourds, Dalton B., architect, Tribune Bldg., Terre Haute, Ind.
Shourds-McCormick Co., architects, Terre Haute, Ind.
Shover, Eugene F., contractor, Poughkeepsie, N. Y.
Showalter, S. C., & Son, canned goods, Troutville, Va.
Showell Mfg. Co., canned goods, Showell, Md.
Shower, Wm. H., machst. & fndr., Manchester, Md.
Shoyer, D. W., & Co., hammock mfrs., 394 B'way, New York.
Shoyer, D. W., & Co., sweaters, cardigans, etc., 30 Main, Brooklyn, N. Y.
Shrader Bros., contractors, Louisville, Ky.
Shrauger & Johnson, lightning rods, Atlantic, Ia.
Shredded Wheat Co., 233 B'way, New York.
Shreffler, S., carriages, Shelby, Ohio.
Shreve, Crump & Low Co., elec. fix., 147 Tremont, Boston, Mass.
Shreve, R. H., architect, 52 Vanderbilt av, New York.
Shreve, W. A., & Co., masons' & bldrs.' matls., Bordentown, N. J.
Shreveport Blow Pipe & Sheet Iron Wks. (Ltd.), shavings collecting systems, Shreveport, La.
Shreveport Brick & Tile Co., Shreveport, La.
Shreveport Creosoting Co., Louisville, Ky.
Shreveport Fertilizer Works, Shreveport, La.
Shreveport Lumber Co., Shreveport, La.
Shreveport Mattress Co., Shreveport, La.
Shreveport Saddlery Co., Shreveport, La.
Shrewsbury, H. H., lumber, Sedro Woolley, Wash.
Shrewsbury & Washburn, flour mills, Caneyville, Ky.
Shriver, B. F., Co., canned goods, Westminster, Md.
Shriver, T., & Co., piano plates, machsts. & fndrs., Harris N. J.
Shrum, Andrew L. Co., contrs., Clarksburg, W. Va.
Shryock, J. K., cloth boards, 301 N. 2nd, Philadelphia, Pa.
Shryock, Theo., J., & Co., lbr., 717 S. Caroline, Baltimore, Md
Shucker & Shindel, soap, Lebanon, Pa.
Shuee-Bahls Hardware Co., Lafayette, Ind.
Shuer-Woodruff Iron & Metal Co., scrap iron & steel, Toledo,
Shufflebarger, E. L., architect, Bluefield, W. Va.
Shufflebarger, F. N., architect, Dublin, Va.
Shugers Mfg. Co., auto tops, Los Angeles, Cal.
Shuler & Benninghofen, blankets, etc., Hamilton, Ohio.
Shuler, W. S., Spring Co., Amsterdam, N. Y.
Shull Co., switchboard, Conduit rd & Eliot, N. W., Washingt D. C.
Shull, J. & W. C., sash, door & blind dealers, Adrian, Minn.
Shull, W. A., razor strops, 142 N. 4th, Philadelphia, Pa.
Shults, H. H., Co., post office equipments, Gowanda, N. Y.
Shultz All Steel Corner Post Co., store front const., St. Jose Mo.
Shultz Belting Co., mill & facty supplies, 149 N. 4th, Phila., I & Bismarck & Barton, St. Louis, Mo.
Shultz-Goodwin Co., silk tassels, 31 Lincoln, Boston, Mass.
Shulz, Arthur P., architect, Bethlehem, Pa.
Shuman, C. F., cornices & skylights, Charlotte, N. C.
Shuman, F. G., Co., mirrors, 168 N. Michigan av, Chicago,
Shuman, I. J., machsts., Rockland, Me.
Shumate Razor Co., 706 Chestnut, St. Louis, Mo.
Shumway, C. W., & Son, machsts. & fndrs., Batavia, Ill.
Shunk Plow Co., Bucyrus, Ohio.
Shupe, Harry L., architect, Marshall Bldg., Cleveland, Ohio.
Shupp, Homr, wagon spokes, Effort, Pa.
Shurloc Elevator Safety Co., 127 White, New York.
Shurtleff, Arthur A., landscape arch., 89 State, Boston, Mass
Shuster, F. B., Co., wire straightening & cutting machines riveting machy, mfrs., Cedar Hills, New Haven, Conn.
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Shuster Plumbing Supply Co., Willow & Franklin, Phila., Pa.
Shutter, S. Z., sash, door & blind mfrs., 25th cor Grand, Kansas City, Mo.
Shuttle Mach. Co., 18 E. 17th, New York.
Shuttleworth, Edwin, Co., stone prod., Vernon av, Long Isla City, N. Y.
Shuttleworth, Keiller & Co., paper bags, folding boxes, 4 W. B'way, New York.
Shutts & Morrison, architects, Marine Bank Bldg., Erie, Pa.
Shuttuck, Edinger, Co., contrs., March-Strong Bldg., Los Ange Cal.
Shwab Bros. Co., plumbers' wood wk., 811 E. 9th, New York.
Shwayder Trunk Mfg. Co., Denver, Colo.
S. H. Supply Co., machsts. & fndrs., Beaumont, Tex.
S. & I. Co., hdwe. mfrs., auto machy. & screw machy. produc Springfield, Mass.
Sias & Grenfell, contractors, Oak Park, Ill.
Sibbel, Jos., marble altars, 214 E. 26th, New York.
Sibbett Fdy. & Iron Wks., Wichita, Kan.
Sibert & Robinson, contrs., Augusta, Ga.
Sibley Coll. of Engn., engng. schools & coll., Ithaca, N. Y.
Sibley, E. L., Mfg. Co., machsts., Bennington, Vt.
Sibley, Ernest, architect, Palisade, N. J.
Sibley, F. M., Lumber Co., masons' & bldrs.' matls., Kerche & Beaufait, Detroit, Mich.
Sibley, Gideon, dental chairs & engines, 1214 Filbert, Phila.,
Sibley Hardware Co., South Bend, Ind.
Sibley, J. B., & Son, mill & facty. supplies, Ware, Mass.
Sibley, J. E. & Son, contrs., Antioch, Ill.
Sibley, Jas. T., Jr., architect, 122 E. 25th, New York
Sibley Lumber Co., Macon, Ga.
**SIBLEY MACHINE CO.**, drilling machine mfrs., 70 Tutt, So Bend, Ind.
Sibley Pitman Elec'l Corp., batteries, lamps, meters, etc., 1 6th av, New York.
Sibley Scythe Co., North Newport, N. H.
Sibley Soap Co., Franklin, Pa.
Sibley Stove Co., fndrs., South Bend, Ind.
Sibley Upright Drill Co., drilling machy., South Bend, Ind.
Sibly Mfg. Co., cotton duck & canvas, Augusta, Ga.
Sicilian Asphalt Paving Co., 41 Park row, New York.
Sickels, H. P., Co., contractors, Rochester, N. Y.
Sickels-Loden Co., wholesale hdwe., 56 Murray, New York.
Sickels & Preston Co., wholesale hdwe., Davenport, Ia.
Sicking, Barnard, machsts., 1931 Freeman av, Cincinnati, Oh
Sickles, J. B., Saddlery Co., 2100 Washington, St. Louis, Mo
Sicklesteel Lumber Co., 116 Forman av, Detroit, Mich.
Sidbury Lumber Co., Corpus Christi, Tex.
Siddons, John, Co., store fronts, Rochester, N. Y.
Sidebotham, John, Inc., cotton sleeving, 4317 Griscom, Phi Pa.
Sidebottom, William, architect, 101 Tremont, Boston, Mass.
Sidells, Byron T., architect, Warren, Ohio.
Sider Bros., corn brooms, 1245 W. 14th pl, Chicago, Ill.
Sider, H., & Son, corn brooms, 1311 Blue Island av, Chicago,

de Weight Horse Shoe Co., mechanic, Hartford, Conn.
dmar, Inc., cotton webbing, Chelsea, Mass.
dney Elevator Mfg. Co., Sidney, Ohio.
dney Mfg. Co., auto. metal bodies, Sidney, Ohio.
dney Spec. & Nov. Co., window screens, Sidney, N. Y.
dney Steel Scraper Co., barrows, road machinery, etc., Sidney, Ohio.
lney Machine Tool Co., woodworking machinery, Sidney, Ohio
li Co. of America, Silica, 37 Murray, New York.
lway Mercantile Co., manufacturers of collapsible baby carriages & furniture, Elkhart, Ind.
:well, C. W., & Son, machsts. & fndrs., Delta, Pa.
:be, Gorman & Co., Ltd., mine rescue apparatus, Monadnock Bldg., Chicago, Ill.
·bel, J. E., & Sons Co., chemists, 962 Montana, Chicago, Ill.
ben Chemical Spraying Nozzle Co., Kansas City, Mo.
benbrod, Otto, Co., metal specialties, 24 S. Clinton, Chicago, Ill.
ber, F. C., soap, Harrisburg, Pa.
ber Products. Mfg. Co., loose leaf binders, 325 Locust, St. Louis, Mo.
bert Bros., meat packers, Yonkers, N. Y.
bert, W. C., contractor, 366 42d, Pittsburgh, Pa.
bler, W. F., contractor, Easton, Pa.
bert, Victor E., architect, Walla Walla, Wash.
bold, F. A., & Son, contractors, 64 N. Raleigh, Chicago, Ill.
bold, J. H. & G. B., printing inks, bronze powders, 21 W Houston, New York.
brand, Carl, architect, Nor. Life Bldg., Seattle, Wash.
lhoff, Geo. H., Construction Co., Finance Bldg., Kansas City, Mo.
'ert, Aug., Hardware Co., cornices & skylights, Reedsburg, Wis.
'ert, J. A., contractor, Youngstown, Ohio.
fert Elec. Co., junction boxes, Evansville, Ind.
; Co., mill & facty. supplies, whol. hwe., Davenport, Ia.
. John A., brick, tile, drain, Marshalltown, Ia.
'el, Abram, architect, 259 Baden, Rochester, N. Y.
'el-Heschinge Packing & Provision Co., meat, 36th pl. & Gage, Chicago, Ill.
'el, Rothschild & Co., umbrella mfrs., Howard & W. Baltimore, Baltimore, Md.
'er & Son Mfg. Co., roofing slate mfrs., Slatington, Pa.
'le, G., Co., color mfrs. & imptrs., red oil, Rosebank, N. Y.
'ler, Wm. & Son, clamp nails, 115 S. Clinton, Chicago, Ill.
rist, B. F., flushing valves, 263 Laurel, Buffalo, N. Y.
ıer Milling Co., flour, Teutopolis, Ill.
ıon & Elting, color mfrs., 99 Nassau, New York.
ıon Hard Rubber Corp., Bridgeport, Conn.
ıs-Carey Co., bldg. contrs., Ger. Life Bldg., St. Paul, Minn.
:s, Carey-H. S. Kerbaugh, contrs., 120 B'way, New York.
ıund Wenzel Elec. Welding Co., 30 Church, New York.
el-Kuhlman Co., architects, Williamson Bldg., Cleveland, O.
Bath Co., gears, 143 W. 54th, New York.
ks, Henry, architect, 180 N. Dearborn, Chicago, Ill.
'a Iron Co., 310 Sansome, San Francisco, Cal.
'a Nevada Wood & Lumber Co., San Francisco, Cal.
s, A. C., cornices, Dobbs Ferry, N. Y.
'r Hardware Co., Keyser, W. Va.
'ring, Philip, plating works, 408 Broome, New York.
'rs, Jasper, contr., Rock Island, Ill.
'rt Torch Co., blow torches, 15 Beacon, Boston, Mass.
'rkropp Engine Co., Racine, Wis.
'k Bros. Co., jigs, 75 E. Baltimore av, Detroit, Mich.
ers, Richard A., lumber mfrs., contr., 604 W. Canal, Richmond, Va.
ert Colleson Co., contrs., 3865 Meliske, av, Chicago, Ill.
'rt & Engstrom, contrs., Salem, Ore.
'ler, L. H., turpentine, Andalusia, Ala.
r, Wm. T., sash, door & blind mfr., Luke, Md.
y, Wm. H., gasoline funnels, Sylvan Grove, Kans.
an Furniture Mfg. Co., mattresses, Chickasha, Okla.
Ad. Co., Geneva, N. Y.
il Accessories Corp., railroad specialties mfrs., Utica, N. Y.
il & Control Co., whistles, 161 Washington, New York.
l Motor Truck Co., 899 Connors Ck, Detroit, Mich.
lite Mfg. Co., jigs & fixtures, stampings & dies, 522 S. 'linton, Chicago, Ill.
lphone Alarm Co., tel. & apparatus, Milwaukee, Wis.
O-Graph Mfg. Co., electric illuminated signs, 431 S. Dearıorn, Chicago, Ill.
de System, Inc., bale tie fasteners, etc., 108 W. Lake, Chi :ago, Ill., & 33 Union sq W., New York.
r, Ralph L., architect, Plattsburg, N. Y.
rney Tool Co., machsts., Hartford, Conn.
ılt Mfg. Co., seal presses, 3658 Armitage, Chicago, Ill.
ırt & Rolston, machy., 341 2d av, Pittsburgh, Pa.
Co., chairs, 23d & Passyunk av, Philadelphia, Pa.
Consolidated Chair Co., 30 E. 42d, New York.
Hay Press Co., Ocilla, Ga.
S. R. Co., mill & facty. supplies, 1030 S. 3d, Minneapolis, Minn.
man, Morris, & Son, scrap iron & steel, 2418 B'way, Clevelınd, Ohio.
stein, A. L., cutlery & razor mfrs., 600 W. 157th, New York
stein, M. B., architect, 119 Springfield av, Newark, N. J
City Milling Co., Siler City, N. C.
Mill Co., shooks box, Raymond, Wash.

Silex Co., coffee filters & percolators, 45 High, Boston, Mass.
Silica Brick & Clay Co., Denver, Colo.
Silican Products Co., sand producers, Lancaster, Pa.
Silkworth, Chas. E., Jr., architect, 258 B'way, New York.
Sill, Buckler & Fenhagen, archts., 11 E. Pleasant, Baltimore, Md.
Sill, Howard, architect, 11 E. Pleasant, Baltimore, Md.
Sill Stove Works, Rochester, N. Y.
Sillcocks-Miller Co., car seats & material, bathroom fixtures, South Orange, N. J.
Siller Bros., contractors, Sacramento, Cal.
Sillers, John S., contractor, 2020 Alter, Philadelphia, Pa.
Silliman & Godfrey Co., masons' & bldrs.' matls., Bridgeport, Conn.
Silo Specialty Mfg. Co., Clinton, Ia.
Silsbee, J. R., architect, Elyria, Ohio.
Silsby Stove & Queensware Co., fndrs., Springfield, Mo.
Silver Aluminum Metal Co., castings, 294 Taaffe pl, B'klyn, N. Y.
Silver Metal Mfg. Co., white metal alloys, 21 E. 40th, New York
Silver Beach Shingle Co., lumber, Bellingham, Wash.
Silver, C. B., canned goods, Havre De Grace, Md.
Silver Carriage Co., Oneida, N. Y.
Silver City Cut Glass Co., Meriden, Conn.
Silver & Co., silverware, 304 Hewes, Brooklyn, N. Y.
Silver Constr. Co., 411 E. 8th, New York.
Silver Creek Colliery Co., Monmouth, Ill.
Silver Creek Sand Co., Silver Creek, N. Y.
Silver Crown Disk Co., 1457 B'way, New York.
Silver Falls Timber Co., Silverton, Ore.
Silver, Geo. O., canned goods, Havre de Grace, Md.
Silver, H., & Son, machsts., Ogdensburg, N. Y.
Silver Lake Co., cordage & twine, Newtonville, Mass.
Silver Lake Mfg. Co., lbr., Maplefalls, Wash.
Silver Lake Railway & Lumber Co., Castle Rock, Wash.
Silver Mfg. Co., agricultural implements, etc., Salem, Ohio
Silver State Elec. Co., 222 15th, Denver, Colo.
Silver, W. F., canned goods, Havre de Grace, Md.
Silverman, H., & Co., scrap iron, 421 So. Clinton, Chicago, Ill.
Silverstein, H., architect, 783 Jefferson av, Brooklyn, N. Y.
Silverthorne Lbr. Co., North Tonawanda, N. Y.
Silverton Lbr. Co., Silverston, Ore.
Silvestro Co., elec. & gas light fixtures, 4149 Pk. av, New York.
Silvey Elec. Co., lamps & storage batteries, Dayton, Ohio.
Sim, Chas., contractor, Rosemont, Pa.
Sim, Geo., machsts., 421 S. Clinton, Chicago, Ill.
Simberg, A. J., architect, 1541 Vyse av, New York.
Simcox, Jos. H., fndrs., Cohoes, N. Y.
Sime, John, contrs., Springfield, Ill.
Simmers & Campbell, granite, St. Cloud, Minn.
Simes Co., elec. & gas light fixtures, 22 W. 15th, New York.
Seminole Mfg. Co., cotton sheetings, Clearwater, S. C.
Simison, David D., buckwheat flour, Volant, Pa.
Simmen Automatic Railway Signal Co., 1575 Niagara, Buffalo, N. Y.
Simmons, Aaron T., architect, Bloomington, Ill.
Simmons, B. Stanley, architect, District Natl. Bang bldg, Washington, D. C.
Simmons, Benj. I., lbr., Charleston, S. C.
Simmons Co., bedstead mfrs., Kenosha, Wis.
Simmons Co., children's cradles, 1347 Michigan, Chicago, Ill.
Simmons, Dennis, Lbr. Co., Williamston., N. C.
Simmons Dick, Co., contrs., Bloomington, Ill.
Simmons Foundry & Mach. Wks., Monongahela, Pa.
Simmons, H. C., Sons, steam & hot water heaters, North Bennington, Vt.
Simmons Hardware Co., 9th & Spruce, St. Louis, Mo.
Simmons, James H., lumber mfrs., Sherman, N. Y.
Simmons, John, Co., steam fitters' & plumbers', mill & facty. supplies—jobbers, 110 Centre, New York.
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Simmons Machine Co., Inc., universal tool & cutter grinders, etc., 987 Broadway, Albany, N. Y.
Simmons Mfg. Co., needles & pins, 77 & Lyons av, Phila., Pa.
Simmons, N., advtg. nov. & spec., 13 University pl, New York.
Simmons, Oren J., contrs., Marion, Ind.
Simmons, P. M., architect & contractor, 18 S. Market, Johnstown, N. Y.
Simmons Pipe Bending Wks., steam fitters' supplies, 40 Mechanic, Newark, N. J.
Simmons, R. L., Co., canned goods, Andrews, Md.
Simmons, S. G., & Bros. Co., lbr. mfrs., Wilmington, Del.
Simmons & Sons, machsts., S. 7 Madison, Spokane, Wash.
Simmons, Thos. W., & Co., imps. bristles, oils, rattan, 240 California, San Francisco, Cal.
Simmons, J. M., & Co., game boards, 530 S. Peoria, Chicago, Ill.
Simmons, W. H., & Co., machsts., 208 Lawrence, Cincinnati, O.
Simmons Wood Working Co., Williamsport, Pa.
Simms, Albert G., contr., Lake Village, Ark.
Simms Fdry. Co., grey iron & semi-steel castings, Racine, Wis.
Simms Magneto Co., machsts., East Orange, N. J.
Simms, W. W., Co., sashes, doors & blinds, Wilson, N. C.
Simon, A., Iron Co., scrap iron, Lansing, Mich.
Simon August, machsts., Oil City, Pa.
Simon's Brick Co., Pasadena, Cal.
Simon Bros., plbrs.' supplies, 981 Mission, San Francisco, Cal.
Simon, Emil J., wireless instruments, 217 B'way, New York.
Simon, Geo. (Est. of), mchsts. & fndrs., New Iberia, La.

Simon, J., & Co., cocoanut oil, 18 Broadway, New York.
Simon, Jno. W., & Son, machsts. & fndrs., Hopewell, Pa.
Simon, Louis A., archt., office of supervising archt., Treasury Dept., Washington, D. C.
Simon, M. R., architect, 1474 Putnam av, Brooklyn, N. Y.
Simon, Omer, machsts., 4030 Filbert, Philadelphia, Pa.
Simon Packing Co., meat packers, Youngstown, Ohio.
Simon, R. & H., Co., silk goods mfrs., 254 4th av, New York, & Town of Union, N. J.
Simon, S. C., & Co., trunks, 404 Brown, Philadelphia, Pa.
Simon, W. H., architect, Eldorado, Kans.
Simon & Mills, heavy hdwe., 25 Leonard, New York
Simon & Simon, architects, 249 So. Juniper, Phila., Pa.
Simons, A. A., & Son Co., machine knives, etc., Dayton, Ohio
Simonds, E. H., metallurgical engrs., Crocker Bldg., San Francisco, Cal.
Simonds File Co., Fitchburg, Mass.
Simonds, G. L., & Co., boiler flue cleaners, indicators, etc., 230 S. La Salle, Chicago, Ill.
Simonds Htg. & Spec. Co., 90 Park pl, Detroit, Mich., & Grand Rapids, Mich.
Simonds Mchy. Co., mill & facty. supplies, 117 New Montgomery, San Francisco, Cal.
Simonds Mfg. Co., machinists, Liberty & 25th, Pittsburgh, Pa.
Simonds Mfg. Co., saws of all kinds for wood & metal cutting, machine knives, files, sheet & bar steel, mfrs., Fitchburg, Mass. *See adv index at end of book.*
Simonds Mfg. Co., Ltd., mill & facty. supplies, 420 Canal, New Orleans, La.
Simonds Mfg. Co., mill & facty. supp., San Francisco, Cal.
Simonds, Warren J., architect, Marlboro, Mass.
Simonin's, C. F., Sons, degreasing, Tioga & Belgrade, Phila., Pa.
Simons, Albert, architect, Charleston, S. C.
Simons Brick Co., Los Angeles, Cal.
Simons-Brittain & English, Inc., architects, 336 4th av, Pittsburgh, Pa.
Simons Bros., contractors, Scranton, Pa.
Simons Bros Co., thimbles, 618 chestnut, Philadelphia, Pa.
Simons & Co., trunks, 700 Arch, Philadelphia, Pa.
Simons, C. A., contr., Fort Scott, Kan.
Simons Decorative Studios, landscape architect, 164 Franklin, Buffalo, N. Y.
Simon's, F. A., Bros., fertilizer mfrs., Maud, Pa.
Simons-Leedle Co., hot air furnaces, Marshall, Mich.
Simon's, M., Sons, sash, door & blind, Robinson & Anderson, Pittsburgh, Pa.
Simons, Mayrant, Co., contractors, Charleston, S. C.
Simons, T. B., Mercantile Co., Coleman, Mich.
Simons, V. D., mill engrs., 39 S. La Salle, Chicago, Ill.
Simonsen Iron Works, shears, hand power, Sioux Rapids, Iowa.
Simonson, B. Hustace, architect, 315 5th av, New York.
Simonson Bros. Mfg. Co., sash, door & blind, 1733 S. 7th, Minneapolis, Minn.
Simonson, J. T., & Co., mchsts. & fndrs., Muskegon, Mich.
Simonson, Otto G., architect, Md. Casualty Tower, Baltimore, Md.
Simonson, R. A., & Co., filing cabinets & devices, 122 S. Michigan av, Chicago, Ill.
Simpkins, Wm. H., contractor, 3005 Olive, St. Louis, Mo.
Simple Account Salesbook Co., Fremont, Ohio.
Simplex Aircraft Co., aeroplanes & Supplies, New Haven, Conn.
Simplex Auto. Co., machsts., 755 5th av, New York.
Simplex Automobile Co., New Brunswick, N. J.
**Simplex Automobile Corp., 60 Broadway, New York.**
Simplex Bed Mfg. Co., Kent, Wash.
Simplex Brooder Stove Co., Grand Rapids, Mich.
Simplex Chemical Co., soap, 31 W. Lake, Chicago, Ill.
**Simplex Concrete Piling Co., 3400 Disston, Philadelphia, Pa.**
Simplex Electric Heating Co., Cambridge, Mass.
Simplex Ejector Co., sewage ejectors, 1050 W. Randolph, Chicago, Ill.
Simplex Farm Ditcher Co., Owensboro, Ky.
**Simplex Foundation Co., 3400 Disston, Philadelphia, Pa.**
Simplex Fdy. Co., aluminum castings, Columbus, Ohio.
Simplex Heating Specialty Co., steam heat. spec., Lynchburg, Va.
Simplex Instruction Co., thermometers, 320 Market, Newark, N. J.
Simplex Interior Telephone Co., 217 W. 3d, Cincinnati, Ohio.
Simplex Letter Opener Co. See O. K. Manfg. Co. (successor).
Simplex Magneto Co., Inc., elec. instruments & igniters, 1790 Broadway, New York.
Simplex Mfg. Co., automobile engine starters, Anderson, Ind.
Simplex Mfg. Co., electric tools, Newtonville, Mass.
Simplex Mfg. Co., leather washers, 10-12 Garden, Auburn, N. Y.
Simplex Mfg. Co., plumbing cocks, 90 Siliman av, Bridgeport, Conn.
Simplex Mfg. Co., roof flanges, 313 S. Clinton, Chicago, Ill.
Simplex Paper Co., Palmyra, Mich.
Simplex Photo Products Co., arc lamps, searchlights, Port Richmond, N. Y.
Simplex Player Action Co., Worcester, Mass.
Simplex Safety Apparel Co., asbestos gloves, 136 N. Wells, Chicago, Ill.
**Simplex Short-Turn Trailer Co., auto truck trailers, Auburn, Ind.**
Simplex Time Recorder Co., time recorders, Gardner, Mass.
Simplex Tool Co., lathe chucks, Woonsocket, R. I.
Simplex Tool & Supply Co., mill & facty. supplies, 127 Oliver, Boston, Mass.



**Simplex Tractor Co., 1611 Central av, Minneapolis, Minn.**
**Simplex Typewriter Co., 644 1st av, New York.**
Simplex Vacuum Mfg. Co., bottles, 1729 Philip, Phila., Pa.
**SIMPLEX VALVE & METER CO.,** 110 W. Broad, Phila., P
Simplex Window Co., 525 Market, San Francisco, Cal.
**Simplex Wire & Cable Co.,** insulated wires & cable mfrs., 2 Devonshire, Boston, Mass.
Simpson, A. J., & Son Co., carriages, Omaha, Neb.
Simpson, A. W., architect, Upper Montclair, N. J.
Simpson, Albert J., cornices, 223 Clinton av, Newark, N. J.
Simpson, Alex. E., wire connectors, 152 E. 53d, New York.
Simpson Anchor Co., Niagara Falls, N. Y.
Simpson Bros, machinery, Portsmouth, Ohio.
Simpson Bros. Corp., contractors, 166 Devonshire, Boston, Mas
Simpson & Bruce, architects, 31 Clinton, Newark, N. J.
Simpson Brush & Broom Co., 517 Mission, San Francisco, Ca
Simpson C. A., whol. hdwe., Troy, Ala.
Simpson Cement Mold Co., Maple & West, Columbus, Ohio.
Simpson, Chas. W., & Co., contractors, 208 Frederick, Balt more, Md.
Simpson, Clapp & Co., lbr., 42 Whitehall, New York.
Simpson Construction Co., 133 W. Washington, Chicago, Ill.
Simpson County Mills, flour, Franklin, Ky.
Simpson & Doeller Co., label mfrs., 2800 Preston, Baltimore, M
Simpson, E. B., architect, Hempstead Turnpike, Brooklyn, N.
Simpson, Eugene A., archl. iron, 88 Broad, Boston, Mass.
Simpson Foundry Co., Newark, Ohio.
Simpson Frank B., architect, Raleigh, N. C.
Simpson Garage & Machine Co., Newark, Ohio.
Simpson, Geo., naval architect, 17 Battery pl, New York.
Simpson Gray Lumber Co., Stockton, Cal.
Simpson, H. W., architect, Board of Trade Bldg., Norfolk, Va. & Newport News, Va., & Newbern, N. C.
Simpson, Hall, Miller & Co., table silverware, Wallingford, Conn
Simpson, Horace G., archt., French Bank Bldg., San Fran., Ca
Simpson, Jas. C., & Co., lumber, Galesburg, Ill.
Simpson, Jno., architect, 430 48th, Brooklyn, New York.
Simpson, John, mach. & fdr., Fairbury, Neb.
Simpson, John & Son, contractors, Sunbury, Pa.
Simpson Logging Co., lumber, Shelton, Wash.
Simpson Lbr. Co., 112 Market, San Francisco, Cal.
Simpson Mfg. Co., R. A., creamery spec., 4402 Market, Oakland Cal.
Simpson & McClure Lumber Co., Galesburg, Ill.
Simpson Mercantile Equipment Co., machsts., Northville, Mich
Simpson-Orville Co., flour mill machinery, Cincinnati, Ohio.
Simpson Packing Co., canned goods, Trappe, Md.
Simpson, Percy K., architect, Carthage, Mo.
Simpson-Pirnie Granite Co., San Diego, Cal.
Simpson, Ralph H., Co., structural steel & ornamental iron 326 W. Madison, Chicago, Ill.
Simpson, Robert, tubular boilers, 220 Russell, Brooklyn, N. Y
Simpson, Thos., brick, Columbia, Tenn.
Simpson, W. A. J., & Son, contractors, Gallatin, Tenn.
Simpson, Washington, archl. iron, 919 S. 46th, Phila., Pa.
Simpson, Wm., Construction Co., Marsh-Strong Bldg., Los An geles, Cal.
Simpson, Wm. S., mason & bldrs.' mtls., Marion, Ind.
Simpson's Dry Dock Co., E. Boston, Mass.
Simpsonville Cotton Mills, fertz. mfrs., Simpsonville, S. C.
Simpsonville Oil Mill, cottonseed mead, Simpsonville, S. C.
Simpton, H. E., & Co., wall beds, 578 Monadnock Bldg., San Francisco, Cal.
Sims, Benj. G., contractor, Montclair, N. J.
Sims Cereal Co., cereal foods, 426 Central av, Minneapolis, Minn.
Sims Co., water heaters, 18th & Whitley, Erie, Pa.
Sims, H. C., coffins, caskets, etc., Richmond, Va.
Sinclair & Bessey, cornices & skylights, Sacramento, Cal.
**Sinclair, Fred W., contractor, 1629 Winter, Philadelphia, Pa.**
Sinclair, H. P., & Co., cut glass, Corning, N. Y.
Sinclair Island Canning Co., Urban, Wash.
Sinclair Quarry & Const. Co., contrs., Syndicate Tr. Bldg., St Louis, Mo.
Sinclair Refining Co., petroleum & its products, Conway Bldg., Chicago, Ill.
Sinclair Refining Co., oils & greases, Albany, N. Y.
Sinclair Riegler Co., contractors, 237 E. 41st, New York.
Sinclair, S. B., architect, Oskaloosa, Iowa.
Sinclair-Scott Co., hdwe. & machy. mfrs., Wells & Patapsco, Baltimore, Md.
Sinclair, T. M., & Co., Ltd., meat packers, Cedar Rapids, Iowa.
Sinclair & Valentine Co., color mfrs., 611 W. 129th, New York.
Sinclaire, H. P., & Co., cut glassware, Corning, N. Y.
Sindle, H. S., felts-wood, Little Falls, N. J.
Siner, H. M. & C. B., brick, Nicetown la & K., Phila., Pa.
Singack Brick Co., Little Falls, N. J.
Singer, A. L., & Co., employees' uniforms, 367 W. Adams, Chicago, Ill.
Singer Bros., advtg. nov., 82 Bowery, New York.
Singer Knitt'g Mills, sweaters, cardigans, etc., 251 Varet, Brooklyn, N. Y.
Singer Mfg. Co., iron rolling mills, Elizabeth, N. J.
Singer Mfg. Co., Musconetcong Iron Wks., blast furnaces, Stanhope, N. J.
Singer Motor Co., 102 West End av, New York.
Singer Paper Box Co., 815 W. Congress, Chicago, Ill.
Singer-Pentz Co., contractors, 600 Equitable Bldg., Balto., Md.

ger Piano Co., 238 S. Wabash av, Chicago, Ill.
ger Sewing Mach. Co., 149 Broadway, New York.
gle Center Buggy Co., Evansville, Ind.
gle Faucet & Flush Valve Co., 617 W. Jackson blvd, Chicago, Ill.
gle, Jno., Paper Co., Syracuse, N. Y.
gletary Lumber Co., 1633 Mewin av, Cleveland, O.
gmaster, J., & Co., masons' & bldrs.' matls., Macungie, Pa.
k, Wm., Canning Co., Brandon, Wis.
ker-Davis Co., machsts. & fndrs., 230 S. Missouri & Kentucky av, Indianapolis, Ind.
n, Fred'k, scrap iron, Paterson, N. J.
n, Geo. A., masons' & bldrs.' matls., 4430 Penn, Phila., Pa.
nott Bros., contractors, Ottawa, Ill.
nott, Peter, htg. contrs., 967 E. 165th, New York.
sz, Phillip Co., 300 Hanover, Baltimore, Md.
tering Machinery Corp., Netcong, Morris Co., N. J.
*See adv. index at end of book*
tes, Chas., contractor, New Orleans, La.
', Heinrich, auto truck trailers, 245 Floyd, Brooklyn, N. Y.
ix City Auto Top Co., Sioux City, Iowa.
ix City Brick & Tile Co., Sioux City, Iowa.
ix City Casket Co., Sioux City, Iowa.
ix City Engine & Machy. Co., Sioux City, Iowa.
ix City Iron Co., Sioux City, Iowa.
x City Sheet Metal Wks., Sioux City, Ia.
ix Falls Metal Culv. Co., Sioux Falls, S. D.
ix Falls Pressed Brick Co., Sioux Falls, S. D.
, Jas. B., & Co., oils, paints & varnishes, Bessemer Bldg., Pittsburgh, Pa.
e, Geo. H., & Co. See Oliver, Wm. (successor)
Mach. Co., Paterson, N. J.
el, Theo. A., sand blast machs., 205 McWhorter, Newark, N. J.
s, Geo. L., contractor, 912 Locust, Philadelphia, Pa.
ey Valley Oil & Fertilizer Works, Fayette, Ala.
h, C. W., lanolin, Los Angeles, Cal.
no Co., auto. horns, 20 Rose, New York.
Carburetor Mfg. Co., machsts. & fndrs., Northampton, Mass.
ne, J. E., architect & mill engineer, Greenville, S. C.
B. M. Co., advtg. novelties, Montgomery City, Mo.
R. J., Mfg. Co., size, New London, Conn.
an, Andrew C., Co., contrs., 387 Beaufait av, Detroit, Mich.
on, Hugh, & Sons, marble producers, 21 N. Liberty, Baltimore, Md.
on & Smalley, cornices, Cuba, N. Y.
ire, F. B., & Son, contractors, New Bedford, Mass.
, C. P., architect, Southwestern Life Bldg., Dallas, Tex.
a Spruce Co., Coquille, Ore.
r, C. E., architect, Berwick, Pa.
r, Harry, brass fndrs., Allentown, Pa.
rding-Carneal-Davis Co., masons' & bldrs.' matls., 1601 W. Leigh, Richmond, Va.
er, Peter, machsts., Eckert, Pa.
nann G., & Sons, machsts. & fndrs., 105 Liberty, Brooklyn, N. Y.
, M. L., & Co., lumber mfrs., Sidney, N. Y.
er Steel Casting Co., motor truck, tracto & gen. mchy. castings, Milwaukee, Wis.
, E. T., canned goods, Buchanan, Va.
Forge Co., anxles, blooms, shaftings, etc., 238 Larkin, Buffalo, N. Y.
, Robert R., & Co., lbr., 15 William, New York.
g Specialties Co., aniline colors, linoleate cobalt & sizing compds., Jersey City, N. J.
J. Co., hdwe. mfrs., auto. machy. & screw mach. products, Springfield, Mass.
rg Bros., flour, Badger, Minn.
rom, John E., Co., bank, office & store fixtures, 1715 N. 10th, Philadelphia, Pa.
aard, A., contractor, 1656 Keystone av, Chicago, Ill.
t Commission Co., masons' & bldrs.' matls., Sedro Woolley, Wash.
t Mill Co., lumber, Lyman, Wash.
t Valley Fruit Growers' Assn., canned goods, Burlington, Wash.
n Steel Co., steel burial vaults, Syracuse, N. Y.
lia Coal & Lbr. Co., masons' & bldrs.' matls., Rockford, Ill.
lia Pacific Oil Engine Co., marine & stationary engines, Oakland, Cal.
ateles Boat & Canoe Co., Skaneateles, N. Y.
ateles Paper Co., Skaneateles, N. Y.
el, Elbert, htg. contrs., 259 W. 126th, New York.
Co., soap, Hartford, Conn.
Albert E., architect, 4500 Euclid av, Cleveland, Ohio
Bros Co., contractors, 8311 Euclid av, Cleveland, O.
n, W. J., & Co., machsts. & fndrs., Augusta, Me.
Bracket Co., portables, 1265 W. 2nd, Cleveland, Ohio.
, Thos. P., Bolt Co., 24th & Carlton, Philadelphia, Pa.
n, Fred'k, contractor, tents, 200 5th av, New York
n Tool Co., Inc., tools, reamers, etc., 406 E. Ash, Syracuse, Y.
n & Owens, contrs., Greenville, S. C.
gton, H., & Co., tex. machy. (singeing machines), 1610 Philip, Philadelphia, Pa.
F. Ball Bearing Co., ball bearings & shaft hangers mfrs., artford, Conn.

Skidd, Chas., Mfg., Co., milk coolers, metal spinning, Kenosha, Wis.
Skidmore, Chas., sash, door & blind mfr., Riverhead, N. Y.
Skidmore, Geo. H., architect, Riverhead, N. Y.
Skidmore, Wm., Sons & Co., lumber, Cutin, Ore.
Skiff, J. H., architect, McPherson, Kans.
Skillen-Goodin Glass Co., Yorktown, Ind.
Skilling, Julius P., spools, Bethel, Me.
Skillings, Warren, architect, Garden City Bk. Bldg., San Jose, Cal.
Skillings, Whitney & Barnes Lumber Co., Ogdensburg, N. Y.
Skillman, A. A., canned goods, Belcamp, Md.
Skillman Hdwe. Mfg. Co., Trenton, N. J.
Skinker & Garrett, contractors, 1416 F, N. W., Washington, D. C.
Skinner, A. M., architect, Roth Bldg., Watertown, N. Y.
Skinner & Arnold, machinists, Albany, N. Y.
Skinner Bros., diamond, turn'g, etc., tools, 430 Kent av, Brooklyn, N. Y.
Skinner Bros. Mfg. Co., blow pipes, blowers, exhausters, fans, etc., 10th & Tyler, St. Louis, Mo.
Skinner, C. E. & J. F., roll coverers, Valley Falls, R. I.
Skinner, Chas. W., architect, 2nd Natl. Bank bldg, Cincinnati, Ohio
Skinner Chuck Co., New Britain, Conn.
Skinner & Connolly, machsts., Yonkers, N. Y.
Skinner, E. W., cornices, Warren, Ohio.
Skinner Engine Co., Erie, Pa.
Skinner, Ernst M., Co., organs, 215 Sydney, Boston, Mass.
Skinner, H. J., contractor, Eagle Bldg., Spokane, Wash.
Skinner, J. M., Bending Co., Toledo, Ohio.
Skinner & Kennedy Stationery Co., loose leaf devices, 416 N. 4th, St. Louis, Mo.
Skinner & Leary Co., machsts., 19 Commercial, Newark, N. J.
Skinner, Louis H., dry docks, Wilmington, N. C.
Skinner, M. B. G., Co., mill & facty. supplies, 562 W. Washington, Chicago, Ill.
Skinner Machy Co., Dunedin, Fla.
Skinner, R. E., contr., Augusta, Ga.
Skinner & Oyston, wholesale hdwe., Little Falls, N. Y.
Skinner, Theodore H., architect, Kenwood, N. Y.
Skinner, W., & Son, glassware cut, Hammonton, N. J.
Skinner & Walter, J., architects, 1188 Main, Bridgeport, Conn.
Skipton, Valentine, Co., lubrg. oils, 221 Arch, Philadelphia, Pa.
Sklar, J., Mfg. Co., surgical & dental insts., 133 Floyd, Brooklyn, N. Y.
Skobis Co., machsts., 951 30th, Milwaukee, Wis.
Skoglund, Aug. H., contr., 111 W. Washington, Chicago, Ill.
Skoglund, Emil G., stone, 4920 N. Clark, Chicago, Ill.
Skoglund, Eric, stone producers, 5555 N. Lincoln av, Chicago, Ill.
Skookum Lbr. Co., Tenino, Wash.
Skow Mfg. Co., lumber, Newton, Ia.
Skowhegan Pulp Co., Skowhegan, Me.
Skowronski, W. J., sash, door & blind mfr., 8201 Colfax av, Chicago, Ill.
Skoog, Jac. L., architect, 1711 Yale av, Seattle, Wash.
Skrainka Const. Co., contrs., Security Bldg., St. Louis, Mo.
S. K. & S. Co., farm tractors, El Paso, Ill.
Skuse Cooperage, Rochester, N. Y.
Skvarla, John, contractor, Passaic, N. J.
Slaa Fork Coal Co., Charleston, W. Va.
Slack, Frank A., architect, Beloit, Kans.
Slack-Horner Brass Mfg. Co., Denver, Colo.
Slack, James W., mill & facty. supplies, Fall River, Mass.
Slack Mfg. Co., machsts., Springfield, Vt.
Slack, P. S., architect, Latrobe, Pa.
Slack, S. Alex., auger bits, Oxford, Pa.
Slack, Wm. W., architect, American Mechanics' Bldg., Trenton, N. J.
Slade Elev. Co., 1565 Park av, New York.
Slade, S. E., Lumber Co., 112 Market, San Francisco, Cal.
Sladen, Geo. E., & Co., contractors, 1223 Clover, Phila., Pa.
Slagel, C. W., & Son, canned goods, Davenport, Nebr.
Slaight, E. E., & Co., canned goods, Seaford, Va.
Slake Spec. Co., boiler tees, Rock Island, Ill.
Slakin, H. A., contrs., Elizabeth, N. J.
Slane, O. W., Glass Co., glass mirrors, store fronts, windshields, etc., York, Pa.
Slasor & Ginty, contrs., New Philadelphia, Ohio.
Slate River Milling Co., flour, Slate River Mills, Va.
Slater Construction Co., sash, door & blind, Pontiac, Mich.
Slater, Forest E., architect, Berwick, Me.
Slater, Howard P., architect, Port Chester, N. Y.
Slater, Jas. H., & Son, contractors, Poughkeepsie, N. Y.
Slater, John L., architect, La Grande, Ore.
Slater, Robt., felt mills, Pompton Lakes, N. J.
Slater, S., & Sons, woolen carriage cloth, Webster, Mass.
Slater, W. A., Mills, cotton thread, Jewett City, Conn.
Slater, W., Co., contractors, 2314 Sta. Fe, Los Angeles, Cal.
Slate's, Geo., Sons, belting mfrs., Williamsport, Pa.
Slatington-Bangor Slate Syndicate, Slatington, Pa.
Slatington Fdry. Mach. & Boiler Wks., Slatington, Pa.
Slatington Iron & Steel Co., Slatington, Pa.
Slatington Slate Co., Slatington, Pa.
Slatmyer, Henry G., & Son Constr. Co., 203 Lakeside av, N. W., Cleveland, Ohio.

Slattery, Austin, contr., West Allis, Wis.
Slattery & Henry, contrs., Greenville, S. C.
Slattery, J. B., & Bros., gas stoves, 108 Lawrence, Brooklyn, N. Y.
Slauf Mfg. Co., wood turners, 703 S. Clinton, Chicago, Ill.
Slaughter, G. W. & A. J., brick, Murray, Ky.
Slaughter, Wm., curling irons, 1712 S. Michigan av, Chicago, Ill.
Slavik, Frank, cornices, 3025 W. Van Buren, Chicago, Ill.
Slawson, A. F., cornices & skylights, De Soto, Mo.
Slaymaker Lock Mfg. Corp., lock mfrs., Lancaster, Pa.
Slaymaker, S. E., & Co., lbr., 200 5th av, New York
Slaysman & Co., machsts., 801 E. Pratt, Baltimore, Md.
Slayter, Chas. Keeler, architect, 40 E. 53d, New York.
Slazenger, Frank L., golf balls, tennis racquet mfrs., 12 E. 43d, New York.
Sleden Motor Vehicle Co., Rochester, N. Y.
Sledge & Barkley Co., mill & facty. supplies, Lawrenceville, Va.
Slee & Bryson, architects, 165 Monague, Brooklyn, N. Y.
Sleep Well Mattress Co., Los Angeles, Cal.
Sleeper Bros., cornices & skylights, Rockland, Me.
Sleeper Co., igniters, gas & gasoline engines, Fowler, Ind.
Sleeper & Hartley, Inc., wire spring coiling machy., 335 Chandler, Worcester, Mass. *See adv. index at end of book*
Sleeper, W. P., granite, South Thomaston, Me.
Sleight, Albert E., architect, Romaine Bldg., Paterson, N. J.
Sleight Metallic Ink Co., 5907 Market, Philadelphia, Pa.
Slems-Carey Co., contractors, German Life Bldg., St. Paul Minn.
Slessman & Sons, canned goods, Clyde, Ohio.
Slick, F. E., contractor, Richmond, Ind.
Slidell Dry Dock & Shipbuilding Co., Slidell, La.
Slider, E. T., masons' & bldrs.' matls., New Albany, Ind.
Slifer & Abraham, architects, Endicott bldg, St. Paul, Minn.
Slifer Packing Co., meat packers, Hamilton, Ohio.
Sliger, A. J., contr., Centralia, Ill.
Sliger Bros., lbr., Huntington, W. Va.
Sligo Furnace Co., Syndicate Trust Bldg., St. Louis, Mo.
Sligo Iron Store Co., 6th & O'Fallon, St. Louis, Mo.
Sliney, John T., contractor, Branford, Conn.
Slinn, H. H., machsts., Chillicothe, Ill.
Slipno Co., belt dressing, 40 Clifton, Newark, N. J.
Slipper City Wool Heel Co., Haverhill, Mass.
Sloan & Chace Mfg. Co., Ltd., machsts., 351 6th av, Newark, N. J.
Sloan & Company, contr., masons' & bldrs.' matls., Chattanooga, Tenn.
Sloan Engineering Co., posts, 246 Hall, Brooklyn, N. Y.
Sloan, Frank B., & Co., sash, pulley mfrs., 209 E. Fayette av Baltimore, Md.
Sloan, J. J., architect, Marion, Ohio.
Sloan Nov. Mfg. Co., patterns & models, S. W., cor 20th & Wyandotte, Kansas City, Mo.
Sloan & Russel, Inc., stearate, 132 Nassau, New York.
Sloan, Samuel, & Co., plumbers' supplies, jobbers, Rochester. N. Y.
Sloan Shipyards Corps., Seattle, Wash.
Sloan Valve Co., 625 W. Jackson blvd. Chicago, Ill.
Sloan, W. G., architect, Greensburg, Pa.
Sloan & Zook, gasoline naphtha & oil refiners, Bradford, Pa.
Sloane, C. F., asbestos miners, Globe, Ariz.
Sloane & Moller, interior hardwood wk., 316 E. 65th, New York.
Sloat Lbr. Co., Sloat, Cal.
Slocomb, F. F., & Co., leather working machinery & pneumatic tools, 14th & Poplar, Wilmington, Del.
Slocomb, Harry A., architect, 511 Westminster, Providence. R. I.
Slocomb, J. T., Co., machine tool mfrs., 35 Oxford, Providence, R. I.
Slocum, Avram & Slocum Laboratories, Inc., efficiency time recorders, 531 W. 21st, New York.
Slocum & Gifford, architects, 101 Park av, New York.
Slocum & Kilburn, mill & facty. supplies, 23 No. Water, New Bedford, Mass.
Slocum, Wm. H., Co., machsts., Pawtucket, R. I.
Sloss, Sheffield Steel & Iron Co., Birmingham, Ala.
Sloss, Wm. J., & Son, masons' & bldrs.' matls., Big Rapids. Mich.
Sloss & Brittain, whol. hdwe., 99 Beale, San Francisco, Cal.
Slovince, Jno., architect, 5138 S. Artesian av, Chicago, Ill.
Slusky, David, & Son, cornices & skylights, Augusta, Ga.
Slusser-McLean Scraper Co., road scrapers, Sidney, Ohio.
Slutter, L. L., lumber, Bartonsville, Pa.
Sluyter, R. E., architect, Herkimer, N. Y.
Sly, L. H., contractor, 57 Post, San Francisco, Cal.
Sly, W. W., Mfg. Co., foundry equipment, 4700 Train av, Cleveland. Ohio.
Slyder, J. D. & I., lumber, New Lebanon, Ohio.
Small, Alvin E., architect, Madison, Wis.
Slyter & Eckerson, lbr., Canby, Ore.
Small, A. T., Brick Co., concrete roofing tile, Macon, Ga.
Small Bros., cotton bandings, laces, tapes, etc., Fall River, Mass.
Small, C. H., mfr. agts., Monadnock bldg, San Francisco, Cal.
Small, F., & Son, cornices, Moravia, N. Y.
Small, Franklin M., architect, 265 Broadway, New York.



Small, P. A. & S. Co., masons' & bldrs.' matls, whol. hdwe. mill, facty. & plumbers' supplies, York, Pa.
Small, Simon, & Sons Co., contractors, Mansfield, Ohio.
Small, W. E., machinist, Los Angeles, Cal.
Small, W. E., Spoke Mfg. Co., Cornith, Miss.
Small, W. H., & Son, contrs., Aitkin, Minn.
Small, Wm., Co., auto bldrs., Indianapolis, Ind.
Smallbone Mfg. Co., machsts., 1821 Berteau, Chicago, Ill.
Smalley-General Co., machsts., Bay City, Mich.
Smalley, H. C., Granite Co., Quincy, Mass.
Smalley, Hobbs & Hunter, granite, Rochester, N. H.
Smalley Mfg. Co., agricultural implements, machsts. & fndrs. Manitowoc, Wis.
Smalley Stone Co., Plainfield, N. J.
Smalling's, R. H., Sons, contrs., Macon, Ga.
Smallman-Brice Construction Co., contractors, Am. Trust Bldg. Birmingham, Ala.
Smallwood Co., contractors, Chattanooga, Tenn.
Smallwood, Robert F., architect, 569 5th av, New York.
Smallwood, W. R., Mfg. Co., machsts., Gowanda, N. Y.
Smart, A. J., Mfg. Co. (see Greenfield Tap & Die Corporation) Greenfield, Mass.
Smart, George B., & Co., mill & factory supplies & cornice Lawrence, Mass.
Smead Mfg. Co., envelopes, Hastings, Minn.
Smeallie & Voorhees, lining paper, Amsterdam, N. Y.
Smedley & Hoopes, contrs., West Chester, Pa.
Smedley & Mehl, masons' & bldrs.' matls., Ardmore, Pa.
Smedley Pump Co., Dubuque, Ia.
Smeed Box Co., packing box mfrs., 1878 Scranton rd, Cleveland. Ohio.
Smeeth-Hardwood Co., fndrs., 2401 W. 22d, Chicago, Ill.
Smethport Extract Co., Exchange Bldg., Boston, Mass.
Smethport Glass Co., Smethport, Pa.
Smidth, F. L., & Co., cement machy., etc., 50 Church, New York.
Smiley, Albert F., contractor, Pawtucket, R. I.
Smiley, F. L., & Son, canned goods, Roanoke, Va.
Smiley, J. L., & Co., canned goods, Blaine, Wash.
Smiley, J. W., & Co., canned goods, Buchanan, Va.
Smilie, Edw. S., landscape architect, 394 Central, Newton Mass.
Smillie, C. M., & Co., damper regulators, 130 E. Larned, Detroit, Mich.
Smirl, T., contr., Girard, Ill.
Smith, A. A., machsts. & fndrs., Leominster, Mass.
Smith, A. A., Cotton Products Co., cottonseed linters, Atlanta Ga.
Smith, A. B., Chemical Co., Buffalo, N. Y.
Smith, A. B., Lumber Co., ties, poles & posts, Old Colony Bldg Chicago, Ill., & Paducah, Ky.
Smith, A., & Co., cornices, Cambridge, Mass.
Smith, A. E., contractor, Fair Haven, N. J.
Smith, A. F., architect, 1029 Penn, Reading, Pa.
Smith, A. F., Co., brick, New Brighton, Pa.
Smith, A. H., masons' & bldrs.' matls., Paterson, N. J.
Smith, A. J., contractor, Cedar Rapids, Ia.
Smith, A. J., Mfg. Co., shooting galleries, 3247 W. Van Buren Chicago, Ill.
Smith, A. L., architect, 228 S. Hennessy, New Orleans, La.
Smith, A. L., Iron Works, archtl., ornamental, cast iron & wire work, Chelsea, Mass.
Smith, A. M., stone producer, Findlay, Ohio.
Smith, A. O., Corp., automobile parts, Milwaukee, Wis.
Smith, A. P., Mfg. Co., machsts. & fndrs., motors, valves, East Orange, N. J.
Smith, A., & Son, tubular boilers, 685 11th av, New York.
Smith, A. W., architect, 1004 B'way, Oakland, Cal.
Smith, A. W., Co., architects, Keenan Bldg., Pittsburgh, Pa.
Smith & Abbott Co., mill, plumbers' & steamfitters' supplies Portland, Me.
Smith, Abe, mill, facty. & plumbers' supplies, jobbers, Paterson, N. J.
Smith Agricultural Chemical Co., fertilizer mfrs., Columbus,
Smith, Albert, contractor, Roachdale, Ind.
Smith, Albert C., & Co., steamfitters' supplies, Newburgh, N.
Smith, Alfred, Ltd., iron oxides, china clays & sulphuret of antimony, 98 Maiden Lane, New York
Smith, Alfred H., archit., Board of Trade Bldg., Portland, O
Smith-Alsop Paint & Varnish Co., Terre Haute, Ind.
Smith, Andrew J., Construction Co., Campau Bldg., Detroit Mich.
Smith, Andrew J., & Sons, contractors, Port Huron, Mich.
Smith & Anthony Co., steam htrs., 52 Union, Boston, Mass.
Smith, Arthur E., steel constr. wk., Plainfield, N. J.
Smith, Arthur F., Co., contrs. tents, etc., 261 Canal, New York
Smith, Arthur L., & Co., contractors, Woodward Bldg., Washington. D. C.
Smith, Arthur R., architect, Norton bldg., Louisville, Ky.
Smith, Asa, & Son, contractors, Easton, Pa.
Smith, Barnes & Strohber Co., pianos, 1872 Clybourn av, Chicago, Ill.
Smith & Bassette, architects, 36 Pearl, Hartford, Conn.
Smith & Bell, lbr., Decatur, Ind.
Smith, Benjamin, mach. & fdr., Shenandoah, Ia.
Smith, Benj. F., Co., dye tubs & woodtanks contr., Pawtucket R. I.

ith-Booth-Usher Co., mill & facty. supplies, 228 S. Central av, Los Angeles, Cal.
ith, Bowen B., architect, 104 W. 42nd, New York.
ith Box & Lbr. Co., Manchester, N. H.
ith & Brennan Pile Co., Main & Angelica, St. Louis, Mo.
ith Brick Co., Omaha, Neb.
ith Bros., architects, Rockefeller Bldg., Cleveland, Ohio.
ith Bros. Bedding Co., mattresses, Ogden, Utah.
ith Bros. & Bryan, felt mattresses, 310 Spruce, Phila., Pa.
ith Bros. & Co., fertilizer, Bartow, Ga.
ith Bros. Hardware Co., 38 W. Chestnut, Cleveland & Columbus, Ohio.
th & Brown Co., contractors, 128 N. La Salle, Chicago, Ill.
ith, Burkley & Billingslea, canned goods, Taylor's Bridge, Del.
ith, C. A., architect, Salina, Kans.
ith, C. A., Lbr. Co., Baypoint, Cal.
th, C. C., canned goods, Airville, Pa.
th, C. C., contrs., Midland Bldg., Kansas City, Mo.
th, C. C., Boat & Engine Co., ship bldrs., Algonac, Mich.
ith, C. D., & Son, contractors, Oak Park, Ill.
th, C. G., Artesian Well Co., tube well strainers, 132 High, Boston, Mass.
th, C. H., & Co., machsts., Springfield, Mass.
th, C. R., masons' & bldrs.' matls., Niles, Mich.
th, C. S., contractor, center & Graham, Pittsburgh, Pa.
th, C. W., architect, 1802 Acklen av, Nashville, Tenn.
th, C. W., Copper Wks., 16 Washington, San Francisco, Cal.
th & Caffrey Co., iron foundry, Syracuse, N. Y.
th Cannery Machine Co., Seattle, Wash.
th-Carothers Lbr. Co., Memphis, Tenn.
th Carriage Co., Springfield, Mass.
th & Carrier, architects, Asheville, N. C.
th & Carter, architects, 21 Dexter av, Montgomery, Ala
th, Chas., architect, 411 Walnut, Philadelphia, Pa.
th, Chas. C., tags—index, Exeter, Neb.
th, Chas., Co., fndrs., 57 W. Lake, Chicago, Ill.
th, Chas. H., architect, 124 Grove, Plainfield, N. J.
th, Chas. J., contrs., Union Bldg., Syracuse, N. Y.
th, Chas. J., & Co., whol. hdwe., 130 Worth, New York.
th, Chas. K., & Co., lubrg. oils, 123 Arch, Philadelphia, Pa.
th, Chas. O., contractor, Mahanoy City, Pa.
th, Chas., & Son, contrs., 215 N. 50th, Philadelphia, Pa.
th, Cicero, Lumber Co., Fort Worth, Tex.
th, Clarence L., Co., masons' & bldrs.' matls.—contr., 30th & 11th av, New York.
th, Clarence W., architect, Asbury Park, N. J.
h, Claude, Co., brick kilns contractors, 388 S. Dearborn, Chicago, Ill.
h Contr. Co., Amesbury, Mass.
h, Cornelius, contr. & bldr., Norwich, Conn.
h-Courtney Co., machinery dealers, Richmond, Va.
h & Crosby, collar button, Attleboro, Mass.
h, D. B., & Co., agricultural implement, Utica, N. Y.
h, D. B., & Sons Co., cotton duck, Pine Meadow, Conn.
h, D. E., masons' & bldrs.' matls., Milford, Conn.
h & Daudt, machsts., Jersey City, N. J.
h & Davis Mfg. Co., spring beds, hospital furn., etc., 20th & Locust, St. Louis, Mo.
h, Delos H., architect, Union Tr. bldg, Washington, D. C.
h & Des Champs, contractors, Hartford, Conn.
h & Dodge, bldg. contrs., Portland, Ore.
h & Dove Mfg. Co., cordage & twine mfrs., Andover, Mass.
h, Drum & Co., textile machy., Allegheny av & 5th, Phila., Pa.
h-Du Plain & Crumb Co., lbr. mfrs., Rockford, Ill.
h & Duckworth, sashes, doors & blinds, Crawfordsville, Ind.
h, E. A., compounds, lubrg. oils, soap, etc., Hamilton, Ohio.
h, E. A., & A. T., asphalt contrs., Lowell, Mass.
h, E. Baldwin, architect, Nyack, N. Y.
h, E. C., pack'g box mfrs., 420 Oakland, Brooklyn, N. Y.
h, E. C., Mfg. Co., bath room fix., 900 W. Jackson blvd, Chicago, Ill.
h, E. E., Co., sash, door & blind mfrs., 136 Rhodes, Providence, R. I.
h, E. F., & Son, button mfrs., Union City, Conn.
h, E. H. H., Silver Co., Bridgeport, Conn.
h, E. J., & Sons, brick, North English, Ia.
h, E. L., & Co., granite, Barre, Vt.
h, E. M., & Co., machsts., Peoria, Ill.
h, E. M., Co., mill & facty. supplies, 618 Clarence, Los Angeles, Cal.
h, E. R., meat packers, 2624 Montgomery, St. Louis, Mo.
h, Edgar M., contractors, Leominster, Mass.
h, Edward C., architect, 39 Market, Poughkeepsie, N. Y.
h, Edw., & Co., varnish mfrs., 127 West av, Long Island City, N. Y.
h, Edward E., architect, Williamson Bldg., Cleveland, Ohio.
h, Edw. F., archl. iron, New Haven, Conn.
h, Edw. J., brick, Albany, N. Y.
h, Edw., Packing Co., meat, 247 Lewis, Buffalo, N. Y.
h, Edwin A., & Son, masons' & bldrs.' matls., 1017 Frankford av, Philadelphia, Pa.
h & Egge Mfg. Co., hdwe. mfrs., Bridgeport, Conn., & 258 Broadway, New York.
h-Eggers Co., carriage, Court, bet. B'way & Sycamore, Cincinnati, Ohio.

Smith Electric Fixture Co. See Smith Norotoy Elec., Inc. (successor).
Smith Elevator Co., 15 W. Swan, Buffalo, N. Y.
Smith, Ellsworth E., contractor, Atlantic City, N. J.
Smith, Elmer D., & Co., fertilizer, Adrian, Mich.
Smith, Emery, & Co., testing laboratories, 651 Howard, San Francisco, Cal.
Smith Engineering Works, rock crushers, etc., 3191 Locust, Milwaukee, Wis.
Smith, Enoch, contractor, Kearns Bldg., Salt Lake City, Utah.
Smith-Ervin & Co., rims & felloes, York, Pa.
Smith, Ervin E., Co., mill & facty. supplies, Lowell, Mass.
Smith, F. A., Cushing, architects, 425 E. Water, Milwaukee, Wis.
Smith, F. A., Mfg. Co., auto. lamps, gas mantles, burners, etc., Rochester, N. Y.
Smith, F. G., pianos & cases, 115 B'way, New York.
Smith, F. G. C., architect, Greenwich, Conn.
Smith, F. H., Mfg. Co., machsts., 3047 Carroll av, Chicago, Ill.
Smith, F. I., canned goods, Madison, Ind.
Smith, F. L., machinist, Fayette, Ohio.
Smith, F. L., & Co., architects, 7033 Hermitage, Pittsburgh, Pa.
Smith, F. L., Sons, sashes, doors & blinds, Clarkeville, Tenn.
Smith, F. M., architect, Fostoria, Ohio.
Smith, F. N., masons' & bldrs.' matls., Pontiac, Ill.
Smith, F. P., & Co., belt fasteners, wire goods, etc., Sharon Hill, Pa.
Smith, F. P., Wire & Iron Works, 2340-48 Clybourn av, Chicago, Ill. *See adv index at end of book*
Smith, F. V., Inc., contractor, Lafayette av & Westchester creek, New York.
Smith, F. Patterson, archit., 67 Milk, Boston, Mass.
Smith Facing & Supply Co., foundry facings, 1857 Carter rd, Cleveland, Ohio.
Smith, Fasset & Co., lumber mfrs., North Tonawanda, N. Y.
Smith-Fay Lbr. Co., Burnsville, Miss.
Smith Fence & Iron Co., Waynesboro, Pa.
Smith Form A. Truck Co., 205 S. Michigan, Chicago, Ill.
Smith Fdry. Co., castings, Greenfield, Mass.
Smith, Frank, Co., masons' & bldrs'. matls., Lancaster, N. H.
Smith, Frank F., Hdwe. Co., 81 Clay, Newark, N. J.
Smith, Frank S., contractor, Waukesha, Wis.
Smith, Frederick G. C., architect, Greenwich, N. Y.
Smith & Furbush Mach. Co., textile machy., supplies, etc., Hancock & Somerset, Philadelphia, Pa.
Smith, G. B. R., Milling Co., flour, Sherman, Tex.
Smith, G. J., Commercial Co., brick, Canton, Miss.
Smith, G. J., Jr., elec. contr., Milford, Conn
Smith, G. L., & Co., hdwe. mfrs., 50 Spring, Newark, N. J.
Smith, G., & Son, mill & facty. supplies, 251 W. 28th, New York.
Smith, G. Tandy, Jr., architect, Clarksville, Tenn.
Smith, G. W., contractor, Fair Haven, N. J.
Smith, G. W., & Co., Inc., blue print & papers, 49th & Botanic, Philadelphia, Pa.
Smith, G. W., & Son, hockey sticks & fish net hoops, Canterbury, Conn.
Smith Gas Engng. Co., Dayton, Ohio
Smith, Geo. B., machsts. & fndrs., Randolph, Wis
Smith, Geo. E., cotton, woolen & worsted machy., Cohoes, N. Y.
Smith, Geo. F., mill & facty. supplies, Franklin & Channing, St. Louis, Mo.
Smith, Geo. H., Heating Co., 1109 Downer av, Milwaukee, Wis.
Smith, Geo. H., Steel Casting Co., 500 Clinton, Milwaukee, Wis.
Smith, Geo., Jr., contractor, Kearney, N. J.
Smith, Geo. P., Co., sashes, doors & blinds, Charles City, Ia.
Smith Granite Co., Quincy, Mass., & Westerly, R. I.
Smith, Grant & Co., contrs., St. Paul, Minn.
Smith, Grant & Co. & Locher, contractors, Rome, N. Y.
Smith & Grater, masons' & bldrs.' matls., Rock Falls, Ill.
Smith Green Co., contrs., 25 Foster, Worcester, Mass.
Smith & Griffiths, architects, Gerlinger Bldg., Portland, Ore.
Smith & Griggs Mfg. Co., machsts. & fndrs., Waterbury, Conn.
Smith, Gus A., contrs., Bedford, Ind.
Smith, Gustavus L., architect, Taunton, Mass.
Smith, H. A., Machy. Co., 501 East Water, Syracuse, N. Y.
Smith, H. B., architect, Stonington, Me.
Smith, H. B., & Co., dowels, Hanover, Me.
Smith, H. B., & Co., hdwe. mfrs. (carriage), tools—pincers, wrenches, etc., Plantsville, Conn.
Smith, H. B., Mach. Co., machsts. & fndrs., Smithville, N. J.
Smith, H. D., & Co., screw drivers, Plantsville, Conn.
Smith, H. D., Co., steam heating apparatus, boilers, radiators, mfrs., Westfield, Mass.
Smith, H. E., architect, Old Natl. Bank bldg., Spokane, Wash.
Smith, H. J., & Sons, glass stainers, 236 S. 8th, Philadelphia, Pa.
Smith, H. Lund, trunk racks & auto. turntables, Paterson, N. J.
Smith, H. P., & Co., stone producers, 23 Haverhill, Boston, Mass.
Smith, H. W., machsts. & fndrs., Anna, Ill.
Smith-Hardican Co., contractors, 1606 Cherry, Philadelphia, Pa.
Smith Hardware & Mfg. Co., wire stretchers, De Kalb, Ill.
Smith, Harold F., architect, 38 W. 32nd, New York.
Smith, Harry G., architect, Marine Bank bldg, Buffalo, N. Y.
Smith, Harry L., architect, 1447 Longfellow av, New York
Smith, Hauser & MacIsaac, Inc., cotrs., 18 E. 41st, New York.
Smith-Hecht Co., advtg. signs, Cetury Bldg., Indianapolis, Ind.
Smith & Heitmeyer, architects, Atlas Bk. Bldg., Cincinnati, O.

Smith & Hemenway Co., Inc., tool mfrs.—whol. hdwe., 261H B'way, New York, 130H Coit, Irvington, N. J.
*See adv. index at end of book.*
Smith, Henry A., architect, 874 B'way, New York
Smith, Henry C., architect, 755 Market, San Francisco, Cal.
Smith, Hy., & Sons Co., contractors, German & Light, Baltimore, Md.
Smith & Henson, mill engrs., 10th & Westmoreland, Phila, Pa.
Smith, Hinchman & Grylls, architects, Wash'n Arcade, Detroit, Mich.
Smith, Hine, architect, Rome, Ga.
Smith-Holden Co., plate glass, 24 S. Water, Providence, R. I.
Smith, Homer P., mill & facty. supplies, Ashtabula, Ohio.
Smith, Horace H., architect, Bay State Bldg., Lawrence, Mass.
Smith-Howard & Co., mill & facty. supplies, Houston, Texas.
Smith, Howard J., & Son, contractors, 256 St. James pl, Brooklyn, N. Y.
Smith & Howland, architects, Union & Pleasant, New Bedford, Mass.
Smith, Hubbard Lbr. Co., masons' & bldrs.' matls., Wabash, Ind.
Smith, Hugh H., masons' & bldrs.' matls., Daly City, Cal.
Smith, Hugh M., & Son, contractors, Canandaigua, N. Y.
Smith & Hull Co., lumber, Traverse City, Mich.
Smith, I. J., Mfg. Co., vehicle washers, 1007 Av I, Kings Highway, Brooklyn, N. Y.
Smith, Ira A., machsts., Beverly, Mass.
Smith Iron Fndry. (Inc.), Lynn, Mass.
Smith, Isaac O., sash, door & blind mfrs., Monticello, N. Y.
Smith, J. Allen, & Co., flour mills, Knoxville, Tenn.
Smith, J. B., handles (wood), Geneva, Ohio.
Smith, J. C., Co., carriages, 58 E. 20th, Chicago, Ill.
Smith, J. Colby, & Son, canned goods, Willow Grove, Del.
Smith, J., & Co., cornices, 2755 W. 22d, Chicago, Ill.
Smith, J. D., Piano Co., Kansas City, Mo.
Smith, J. E., & Co., sash, door & blind mfrs., 65 Benedict, Waterbury, Conn.
Smith, J. E., Cotton Mfg. Co., Thomson, Ga.
Smith, J. F., & Bro., glass, sashes, doors & blinds, Galveston, Texas.
Smith, J. H., lumber mfrs., Clarksburg, N. Y.
Smith, J. H., contractor, Monadnock Bldg., San Francisco, Cal.
Smith, J. Hugh, architect, Home Sav. & Loan bldg, Youngstown, Ohio
Smith, J. K., cornices & skylights, Evart, Mich.
Smith, J. Lee, & Co., paint colors manfrs., 19 Jacob, New York.
Smith, J. M., & Fitzer, masons' & bldrs.' matls, Bucyrus, Ohio.
Smith, J. N., lumber, Glasgow, Ky.
Smith, J. O., Mfg. Co., cash boxes, varnish, hardware mfrs., Middletown, Conn.
Smith, J. R., mill & facty. supplies, Oneida, N. Y.
Smith, J. T., canned goods, Fawn Grove, Pa.
Smith, J. W., architect, Monroe, La.
Smith, J. W., smoking pipes, Town of Union, N. J.
Smith, J. Wentworth, contractors, 10585 Quincy av, Cleveland, Ohio.
Smith, Jas., architect, Newport, R. I.
Smith, Jas., & Co., mill & facty. supplies, 1820 N. 10th, Philadelphia, Pa.
Smith, Jas. M., htg. contrs., 6346 Stony Island av, Chicago, Ill.
Smith, James M., Co., machsts. & fndrs., Seymour, Conn.
Smith, James, & Son, grease bags, dog collars, etc., 40 Franklin av, Brooklyn, N. Y.
Smith, Jas., & Son, wool combs, Worcester, Mass.
Smith, Jas., Woolen Machy. Co., textile machy. supplies, etc., Hancock & Somerset, Philadelphia, Pa.
Smith, John B., & Co., mill & facty. supplies, Lewiston, Me.
Smith, Jno. C., Hoe & Tool Co., Evansville, Ind.
Smith, Jno. D., Co., heating contractors, 12 B'way, Buffalo, N. Y.
Smith, Jno. E., stone producers, Detroit, Mich.
Smith, John H., Co., contractors, Lawrence, N. Y.
Smith, Jno. J., architect, Old South Bldg., Boston, Mass.
Smith, John, Jr., contractor, Peekskill, N. Y.
Smith, John L., maps, 27 N. 6th, Philadelphia, Pa.
Smith, John M., & Sons, wood tanks, 1425 Sp. Garden, Philadelphia, Pa.
Smith, John P., steam htg. contr., 148 N. 7th, Phila., Pa.
Smith, John P., & Co., wire goods mfrs., New Haven, Conn.
Smith, John R., architect, Nebraska Street Bldg., Lincoln, Neb.
Smith, Jno. R., stone, 421 E. 103d, New York
Smith & Jones, mattresses, 216 E. 37th, New York.
Smith, Joseph, architect, Anaconda, Mont.
Smith, Joseph S., fndrs., East Waterford, Pa.
Smith, Jos., & Co., buckwheat flour, Stockton, N. J.
Smith, Jos. M., Co., masons' & bldrs.' matls., Madison, N. J.
Smith, Jos. N., & Co., carriage fasteners, rests, separators, etc., 2461 E. Grand blvd, Detroit, Mich.
Smith, Joseph T., architect, 36 N. Main, Waterbury, Conn.
Smith, Kline & French Co., whol. drugs, Philadelphia, Pa.
Smith, L., Iron & Steel Co., fire-escapes, iron railings & machsts., Jacksonville, Fla.
Smith, L. B., & Sons, masons' & bldrs.' matls., Exeter, N. H.
Smith, L. C., & Bros. Typewriter Co., Syracuse, N. Y.
Smith, L. C., Co., Inc., mill & facty. supplies, Gloucester, Mass.
Smith, L. E., cornices & skylights, Rockport, Mass.
Smith, L. E., & Bro., flour mills, Appomattox, Va.
Smith, L. E., Glass Co., Mount Pleasant, Pa.
Smith, L. J., egg cases, Eaton Rapids, Mich.



Smith, L. M., & Sons, patent leather, 59 Lock, Newark, N. J.
Smith Laboratory, chemists, Mt. Pleasant, Tenn.
Smith & Langmaid, machsts., Portland, Me.
Smith & Lawmaster, masons' & bldrs.' matls., McCutchenville, O
Smith, Layton F., architect, 513 N. Charles, Baltimore, Md.
Smith & Leo, Inc., contrs., 101 Park av, New York.
Smith, Levi, Refining Co., lubrg. oils, North Clarendon, Pa.
Smith Lime, Flour Co., masons' & bldrs.' matls., Elizabeth, N. J.
Smith & Loughlin, fndrs., Driggs av & N. 5th, Brooklyn, N. Y.
Smith & Lovett Co., machsts. & fndrs., 135 Tyler, Boston, Mass.
Smith, Loyd J., 2nd-hand cars, 20 W. Jackson blvd, Chicago, Ill.
Smith Lumber Co., Meadville, Pa.
Smith, McCormack Co., contractors, Easton, Pa.
Smith & McKinney Hardware Co., Clifton Forge, Va.
Smith, M., masons' & bldrs.' matls., Green Island, N. Y.
Smith, M. C., hoops—coiled elm, Moorhead, Miss.
Smith, M. M., lbr. mfrs., N. Tonawanda, N. Y.
Smith, M. R., Lumber & Shingle Co., R. A. Long Bldg., Kansas City, Mo.
Smith, M. Z., contractor, Troy, Ohio.
Smith, Manning J., Belting Co., cotton, 41 E. Ashmead, Gtn., Philadelphia, Pa.
Smith Mfg. Co., agricultural implements, La Crosse, Wis.
Smith Mfg. Co., gas engines, 161 W. Harrison, Chicago.
Smith, Marshall J., architect, Colorado Bldg., Washington, D. C.
Smith-Matthews Foundry Co., 650 Bellevue av, Detroit, Mich.
Smith Mattress Co., Marion, Ohio.
Smith & May, architects, Calvert Bldg., Baltimore, Md.
Smith, Millard F., machinist, Parsons, Kans.
Smith & Mills Co., shaping machines, Spring Grove av, Cincinnati, Ohio.
Smith, Milo, masons' & bldrs.' matls., Troy, N. Y.
Smith Monumental Wks., Norwalk, Ohio.
Smith, Morell, architect, Bank Bldg., Far Rockaway, N. Y.
Smith, Morton B., & Co., scrap brass & copper, metal, brass etc., 241 Front, New York.
Smith Motor Truck Corp., 2015 S. Michigan, Chicago, Ill.
Smith, N., & Co., stone renovators, 131 Columbus av, New York
Smith of N. Y. Co., soldering app. for rail bonding, lamps, torches, oilers, metal spinning, etc., Franklin sq, New York.
Smith & Nichols, acids, oils, wax, etc., 121 Maiden la, New York.
Smith, Nimmo & Co., machsts., McKeesport Pa.
Smith & Nixon Mfg. Co., pianos, 126 W. 4th, Cincinnati, Ohio.
Smith Norotoy Electric, Inc., Charlotte, N. C.
Smith, O. Everett, architect, Ashland, Ore.
Smith, O., & Sons Co., cotton batting & felts, 310 Spruce, Philadelphia, Pa.
Smith Organ Co., North Tonawanda, N. Y.
Smith, Orlando B., machsts., Frankfort, Ind.
Smith, Oscar B., Jr., architect, 501 5th av, New York
Smith, Oscar, & Son, baled shavings, sawdust & chemical charcoal, Albany, N. Y.
Smith, Otis A., machsts. & fndrs.—clamps, Rockfall, Conn.
Smith, P., & Co., carriages, 209 W. Austin av, Chicago, Ill.
Smith, P. J., Co., boot & shoe counters, Salem, Mass.
Smith Packing Co., meat, Colorado Springs, Colo.
Smith Paper Co., Lee, Mass.
Smith, Paul, fndrs., 564 W. Randolph, Chicago, Ill.
Smith, Paul R., landscape arch., 89 State, Boston, Mass.
Smith, Payson Lbr. Co., 1015 Plymouth bldg, Minneapolis, Minn.
Smith & Pearson, mill & facty. supplies, Auburn, N. Y.
Smith & Perry, contractors, New London, Conn.
Smith, Peter, Heater Co., 1043 Mt. Elliott, Detroit, Mich.
Smith, Philip, stone, 1st & B., S. W., Washington, D. C.
Smith, Philip, Mfg. Co., elevating machy., etc., Sidney, Ohio.
Smith-Phillips China Co., East Liverpool, Ohio.
Smith & Phillips Mfg. Co., machinists, 1008 N. Madison, Chicago, Ill.
Smith & Pomeroy Windmill Co., machsts., Kalamazoo, Mich.
Smith Premier Wks., Remington Typewriter Co., Syracuse, N. Y.
Smith, R. F., & Son, lbr., Camden, N. J.
Smith, R. H., Mfg. Co., printing stamp goods mfrs., Springfield, Mass.
Smith, R. M., bldg. contr., Sacramento, Cal.
Smith, R. R., Sons, contractors, Lewisville, Ind.
Smith, R. T., & Son, sashes, doors & blinds, Benton, Pa.
Smith, Raymond, elec. contr., Hazardville, Conn.
Smith, Rea & Lovitt, architects, Finance Bldg., Kansas City, Mo.
Smith & Reilly, htg. contrs., 411 New, Newark, N. J.
Smith, Rice Co., contractors, 148 Spear, San Francisco, Cal.
Smith, Richard, contr., Warren, R. I.
Smith, Richardson Co., burnishing & polishing machines, Attleboro, Mass.
Smith, Robert S., architect, 305 E. 55th, Chicago, Ill.
Smith, Robert W., Corp., contr., 30 Church, New York.
Smith, Roswell E., architect, Morristown, Tenn.
Smith, Rudy, & Co., chemists, 411 Walnut, Philadelphia, Pa.
Smith, Rufus W., Co., fertilizer mfrs., Elmer, N. J.
Smith, S. A., contractor, Elgin, Ill.
Smith, S. A., Mfg. Co., ladders, Brattleboro, Vt.
Smith, S. C., landscape architect, 107 Westminster, Providence, R. I.
Smith, S. L., & Co., contractors, Wilkinsburg, Pa.
Smith, S. R., contractor, Poughkeepsie, N. Y.
Smith, S., Morgan Co., hydraulic turbine mfrs., York, Pa.
*See adv. index at end of book.*
Smith & Stewart, architects, 244 Kearney, San Francisco, Cal.

th, Sam'l, Machine Co., contr. & jobbing machsts., 620 Essex, Lawrence, Mass.
th, Sam'l, & Son Co., boilers, caissons, stills, tanks, etc., Paterson, N. J.
th Sash & door Co., 132 E. Lake, Minneapolis, Minn., & Rochester, N. Y.
h Scale Co., 611 N. Fourth, Columbus, Ohio.
h & Schwartzbeck, carriages, Tiffin, Ohio.
h, Sela A., contractor, Gary, Ind.
th, Serrell, Co., Inc., flexible couplings, 90 West, New York.
h, Seymour & Son, till trimmers, hdwe., hooks, pruning shears, etc., Oakville, Conn.
h & Sherrick, contractors, Lima, Ohio.
h & Simpson Lumber Co., Atlanta, Ga.
h & Sinclair Mach. Co., machsts., Camden, N. J.
h & Somerville, mill & facty. supplies, Waterbury, Vt.
h & Sons, Co., hair pins, 200 5th av, New York.
h Sons Harness Co., Buffalo, N. Y.
h & Sons Mfg. Co., machsts. & fndrs.—agri'l implements, Guinotte & Lydia, Kansas City, Mo.
h Sparks Co., contractors, Houghton, Mich.
h, S. T., Co., ribbons & carbons, 116 Duane, New York.
h System Heating Co., 821 Washington av, S. E., Minneapolis, Minn.
h, T. G., & Sons, wood mantels, Topeka, Kans.
h, T. J., turpentine, Nielly, Ga.
h, T. L., Co., concrete mixers, 1151 32d, Milwaukee, Wis.
h, T., & Son, machy. dlrs., old metals, etc., 75 Pike Slip, New York
h, T. S., wire cloth, 269 Pearl, New York
h, T. V., contractor, Norristown, Pa.
h, T. W., & E. O., architects, Columbus, Ga.
h Tablet Co., Holyoke, Mass.
h, Theo., & Son, masons' & bldrs.' matls., Phillipsburg, Kans.
h, Theo., & Sons Co., machsts. & fndrs., ft. Essex, Jersey City, N. J.
h & Thompson, contractors, 47 Park pl, Brooklyn, N. Y.
h, Thos., architect, Central Square, N. Y.
h, Thos. C., stone prod., New Britain, Conn.
h, Thos., Co., bolt, nut & washer mfrs., Worcester, Mass.
h, Thos. J. D., glass benders, 65 Chambers, Newark, N. J.
h, Thos. W., plate glass, 1st c Ind. av, N. W., Wash., D. C.
h Tire Co., Utica, N. Y.
h & Tomlinson Co., cornices & skylights, Hillsboro, Tex.
h Turpentine Co., Green Cove Spring, Fla.
, V. A., Co., heating boilers, 213 W. Lake, Chicago, Ill.
, Vivian B., architect, Atlantic City, N. J.
h & Yokes, contractors, Duluth, Minn.
, W. A., & Co., hot air furnaces, 625 Champlain, Cleve., O.
, W. A., & Son, contractors, 188 Cannon, Bridgeport, Conn.
, W. F., Co., contractors, Rensselaer, Ind.
, W. Frisbey, architect, 1345 Arch, Philadelphia, Pa.
, W. G., contractor, 15 Florence, Buffalo, N. Y.
W. Grubber Co., machinists, La Crescent, Minn.
, W. H., Hardware Co., Parkersburg, W. Va.
, W. L., mill & facty. supplies, Newburgh, N. Y.
, W. P., flour, Efland, N. C.
, W. R., machst., Gulfport, Miss.
, W., & Sons, machsts., Lawrence, Mass.
, W. T., Lumber Co., Chapman, Ala.
-Wadsworth Hardware Co., Charlotte, N. C.
. Walter H., architect, Union Bldg., Cleveland, Ohio.
, Ward, Brake Co., Inc., slack adjusters, 17 Battery pl, ew York.
-Watkins Co., mill & facty. supplies, Lexington, Ky.
& Watson Iron Wks., Portland, Ore.
Werner G., Co., core oils, Hird & Detroit, Cleveland, O.
& Wesson, machsts., Springfield, Mass.
Wheel, Inc., Syracuse, N. Y.
Whitcomb & Cook Co., mill & facty. supplies, Barre, Vt.
Wm. (Est of), carriages, Burlington, Vt.
Wm. A., hod elevators, 282 E. 141st, New York.
Wm. A., cornices, Lima, Ohio.
Wm., & Co., brick, Middletown, Ohio.
Wm. Jones, architect, 64 E. Van Buren, Chicago, Ill.
Wm. M., lbr., Alpine, Pa.
Wm. Neil, architect, 101 Park av, New York.
Wm., & Son Co., stone producers, Ashtabula, Ohio.
& Williams Co., motor boat, launch & yacht bldrs., Salisury, Md.
Wilson P., archit., Frederick, Md.
Wilson J., contractor, Wilkes-Barre, Pa.
Winchester Co., mill & facty. supplies—wholesale hdwe., ackson, Mich.
& Winchester Mfg. Co., paper & pulp mill machy., etc., . Windham, Conn.
Winfield H., boiler flue cleaners, pumping engines, Buffalo, N. Y.
Worthington Co., horse collars, Hartford, Conn.
& Wyman Co., sashes, doors & blinds, 2nd av & 8th, inneapolis, Minn.
Yingling Co., canned goods, Westminster, Md.
Z. Erol, archit., 5501 Prairie av, Chicago, Ill.
& Johnson Mfg. Co., spec. machy., etc., 2031 Elm, Cincinti, Ohio
& McCrorken, Inc., whol. hdwe., 411 E. 18th, New York
& Watson, contrs., Albany, Ga.

Smithfield Brick & Tile Co., Smithfield, Utah.
Smither, Henry C., Roofing Co., Indianapolis, Ind.
Smithereen Co., liquid soap dispensers, 4523 Cottage Grove av, Chicago, Ill.
Smithfield Packing Co., meat packers, Suffolk, Va.
Smithfield's Pure Food Co., canned goods, Clarkson, N. Y.
Smith's, Albert, Sons, ornamental iron, 73 N. J. R. R. av, Newark, N. J.
Smith's, C. C., Sons Co., whol. hdwe., Terre Haute, Ind.
Smith's, H., Sons, carriages, Manteno, Ill.
Smith's, John E., Sons Co., butchers' machy. & supplies, Buffalo, N. Y.
Smith's, P., & Sons Lumber Co., Newark, Ohio.
Smith's, S. W., Son, contractors, White Plains, N. Y.
S. & M. Lamp Co., 118 W. 36th, Los Angeles, Cal.
Smoak, J. W., machst. & fndr., Orangeburg, S. C.
Smock, F. C., contractor, Lemcke Bldg., Indianapolis, Ind.
Smoky Valley Roller Mills, Lindsborg, Kans.
Smolensky,, M., Mfg. Co., rotary suction check valves, Jasper av & Ridge rd, Cleveland, Ohio.
Smolka, Edw., Plumbing Supply Co., Inc., 231 E. 33d, New York.
Smoot, C. C. & Sons, belting butts, Alexandria, Va.
Smoot Lbr. Co., Cowen, W. Va.
Smoot & Sheehan, contractors, Lynchburg, Va.
Smoot, W. A., & Co., masons' & bldrs.' matls., Alexandria, Va.
Smooth-On Mfg. Co., cements, compounds, hardeners, etc., 572 Communipaw av, Jersey City, N. J.
Smoth, Benj L., contractor, Asbury Park, N. J.
Smouse, Thos. F., lbr., Cumberland, Md.
Smucker, J. M., canned goods, Orrville, Ohio.
Smurr & Kamen Mach. Co., 320 N. Albany, Chicago, Ill.
Smyers, Geo. W., sash, door & blind, Dubois, Pa.
Smyser, Royer Co., iron works, York, Pa.
Smyth-Despard Co., belting, mill & facty. supplies, Utica, N. Y.
Smyth-Donegan Co., mill & facty. & plumbers' supplies—jobbers, 247 St. Marks av, Brooklyn, N. Y.
Smyth Mfg. Co., book binders' machy., Hartford, Conn.
Smyth, Neptune B., Inc., contractor, 417 E. 34th, New York.
Smythe, John M., Mdse. Co., 663 W. Wash. blvd, Chicago, Ill.
Smythe, S. R., Co., engrs. & contrs., House Bldg., Pittsburgh, Pa.
Snader, D. L., architect, Valparaiso, Ind.
Snaman, Wm. E., architect, Empire Bldg., Pittsburgh, Pa.
Snap Detachable Belt Fastener Co., 128 Murray, Newark, N. J.
Snapp, W. L., carriages, Princeton, Ind.
Snappy Fdry. Co., machsts. & fndrs., Winchester, Va.
Snare & Triest Co., steel structural work, 8 W. 40th, New York.
Snead Architectural Iron Wks., Louisville, Ky.
Snead & Co., library book stacks, racks, show cases, etc., Jersey City, N. J.
Snead, W. B. & Co., contractors, Lynchburg, Va.
Snead, W. J., Lbr. Co., Greenwood, S. C.
Sneath Glass Co., Hartford City, Ind.
Sneddon, D. M., Co., blug contrs., 635 Wentworth av, Milwaukee, Wis.
Snedeker Bros., brick, Haverstraw, N. Y.
Snedan, Arthur Durant, architect, 149 B'way, New York.
Snelbaker, W. B., stone producer, Woodbury, N. J.
Snell & Atherton, leather gauges, knives, tools, Brockton, Mass.
Snell, C. R., & Sons Co., masons' & bldrs.' matls., Herkimer, N. Y.
Snell, Chas. W., Co., curled hair & mattresses, 321 S. Jefferson, Chicago, Ill.
Snell, Geo. H., masons' & bldrs.' matls., Walla Walla, Wash.
Snell, J. M., & Co., masons' & bldrs.' matls., Harrisonberg, Va.
Snell, Jno. H., & Sons, machsts., Hamburg, Pa.
Snell Mill & Grain Co., Clay Center, Kans.
Snell Mfg. Co., augers, bits, countersinks, nails, punches, etc., Fiskdale, Mass.
Snell, R. D., contractor, Albany, Ore.
Snelling & Son, carbon paper & typewriter ribbons, 225 34th, Brooklyn, N. Y.
Sneyd Enameled Brick Co., Trenton, N. J.
Snider, C. H., architect, Fairmont, W. Va.
Snider & Druker, contractors, 18 Tremont, Boston, Mass.
Snider, Edw., brick, Uniontown, Pa.
Snider-Flautt Lumber Co., Somerset, Ohio.
Snider, T. A., Preserve Co., canners, 168 N. Michigan av, Chicago, Ill.
Snohomish Dairy Products Co., canned goods, Snohomish, Wash.
Snohomish Iron Works, machsts & fndrs., Snohomish, Wash.
Snook, John B., Sons, architects, 261 B'way, New York.
Snook & Sons, sashes, doors & blinds, Ottumwa, Ia.
Snook & Traver, contractors, Salem, Ore.
Snoqualmie Falls Lbr. Co., Snoqualmie Falls, Wash.
Snow, Abbott L., packing box mfrs., E. Boston, Mass.
Snow, Albert, E. & Co., screw machine products, 252 Broadway, New York *See adv. index at end of book.*
Snow, E. W., & Co., enclosed fuses, Rochester, N. Y.
Snow, F. A., Co., contractors, 79 Milk, Boston, Mass.
Snow Flake Axle Grease Co., Fitchburg, Mass.
Snow Flake Canning Co., Brunswick, Me.
Snow, Franklin A., Co., window screens, 79 Milk, Boston, Mass.
Snow & Golgiani, machsts. & fndrs.' supplies, 537 2d, San Francisco, Cal.
Snow, I. L., & Co., ship bldrs., Rockland, Me.
Snow Lbr. Co., Highpoint, N. C.
Snow Lbr. & Shingle Co., Littell, Wash.
Snow, Melville E., mason contr., Norfolk, Conn.

Snow & Nealley Co., mill & facty. supplies, Bangor, Me.
Snow & Petrelli Mfg. Co., machsts., New Haven, Conn.
Snow, S. M., mill engineers, Boston, Mass.
Snow, Sam'l E., bldg. contr., Lowell, Mass.
Snow Shoe Fire Brick Co., Snow Shoe, Pa.
Snow, T. W., Const. Co., ditcher & grader, & water columns, 117 N. Dearborn, Chicago, Ill.
Snow, Tom, Heating & Roofing Co., cornices & skylights, Chattanooga, Tenn.
Snow, W. A., Iron Works (Inc.), ornamental iron work & iron fences, 32 Portland, Boston, Mass.
Snow, Walter B., advtg. counsellors, 136 Federal, Boston, Mass.
Snow Wire Wks. Co., Rochester, N. Y.
Snowden, A. D., & Bros., flour mills, Irvine, Ky.
Snowden Bros., machsts. & fndrs., Hughesville, Pa.
Snowdon, Geo., leaded glass, Utica, N. Y.
Snowville Milling Co., flour, Snowville, Va.
Snyder & Barnett, contractors, Frankfort, Ind.
Snyder, C. J., lumber, Millersburg, Pa.
Snyder Co., electric furnaces, 53 W. Jackson blvd, Chicago, Ill.
Snyder Co., sashes, doors & blinds, Hutchinson, Kans.
Snyder, D. D., & Co., carriages, Danville, Ill.
Snyder, E. C., sashes, doors & blinds, Harrisburg, Pa.
Snyder, E. F., slate laundry tubs, Slatington, Pa.
Snyder, Edw. H., front brick, Hanover, Pa.
Snyder, F. Edw., braces (screen doors), Massillon, Ohio.
Snyder, Frank Co., archl. iron, 513 E, N. W., Washington, D. C.
Snyder, Frank W., Contrg. Co., stone producers, 372 Grove, Newark, N. J.
Snyder-Gillett Contr. Co., Niagara Falls, N. Y.
Snyder, H. F., fndrs., Churchville, N. Y.
Snyder, H. P., Mfg. Co., machsts., Little Falls, N. Y.
Snyder, Harry M., Roofing Co., cornices & skylights, Spokane, Wash.
Snyder, Hy. J., lumber, Pottstown, Pa.
Snyder Hunt Co., porcelain insulators, Belle Plaine, Ia.
Snyder, J., contractor, 4436 Forest av, Cincinnati, Ohio.
Snyder, J. B., contractor, Everett, Wash.
Snyder, J. C., masons' & bldrs.' matls. ,Fulton, Ill.
Snyder, J. E., & Son, drilling machines, Worcester, Mass.
Snyder, J. O., contractor, Homestead, Pa.
Snyder, J. W., Co., contractors, 122 S. Michigan av, Chicago, Ill.
Snyder, J. Y., archit., Merchants Bldg., Shreveport, La.
Snyder, Jos. B., contractor, Muncie, Ind.
Snyder, Kirby T., architect, Plymouth Bldg., Minneapolis, Minn.
Snyder, Lew V., contractor, 205 Ionic, Philadelphia, Pa.
Snyder, Louis B., cornices, Homsetead, Pa.
Snyder, M. L., & Son, mill & facty. supplies, 223 Church, Philadelphia, Pa.
Snyder, M. V., contractor, Bethlehem, Pa.
Snyder, Owen T., & Co., elevator safety devices, Columbus, O.
Snyder, Paul J., & Co., Bailey Bldg., Philadelphia, Pa.
Snyder, Ralph, architect, Hayden Bldg., Columbus, Ohio.
Snyder, Robt. W., architect, Brook bldg, Scranton, Pa.
Snyder Roofing Co., Zanesville, Ohio.
Snyder, Sam'l, architect, Chippewa Falls, Wis.
Snyder Steel & Iron Wks. Co., transfer tables, Kansas City, Mo.
Snyder, T. H., & Co., soap, 8 E. 3d, Cincinnati, Ohio.
Snyder, Thos. L., machsts. & fndrs., Pillow, Pa.
Snyder, W. P., & Co., iron ore & coke, Oliver Bldg., Pittsburgh, Pa.
Snyder, W. W., Mfg. Co., straw board, Cohoes, N. Y.
Snyder Wagon Co., Ltd., Shreveport, La.
Snyder, Wm. F., architect, Radford Bldg., Yonkers, N. Y.
Snyder, Wm. H., grain elevator builders, Carey, Ohio.
Snyder, Wm. H., Co., engravers' metal plates, 247 Centre, New York.
Soapitor Co., 154 W. 14th, New York
Sobel & Kraus, cornices, 307 W. 117th, New York.
Sober, C. K., acet. gas machines, Lewisburg, Pa.
Sobey, Jas.; lbr.; Seattle, Wash.
Sobkowiak, Frank, masons' & bldrs.' matls., La Crosse, Wis.
S. O. & C. Co., shoe eyelets, Ansonia, Conn.
Social Circle Mfg. Co., fertilizer, Social Circle.
Society of Shakers, sweaters, etc., Enfield, N. H.
Socola Rice Milling Co., 600 Decatur, New Orleans, La.
Sodemann Heat & Power Co., 2306 Morgan, St. Louis, Mo.
Soden, J. R., flour, Emporia, Kans.
Soderberg, Fred, architect, 1st Nat'l Bk. Bldg., Oakland, Cal.
Soderberg, J. A., wood pipe, Seattle, Wash.
Soderling, Walter, Co., Inc., respirators, 347 W. Broadway, New York.
Soderstrom, E., patterns & models, Wichita, Kans.
Sodus Canning Co., Sodus, N. Y.
Soeffing, Adolph, Co., whol. hdwe., 833 Arch, Philadelphia, Pa
Soetemon Bros., contractors, Yonkers, N. Y.
Sofe, James, tubular boilers, Olympia, Wash.
Sofranscy, H., Co., scrap rubber, iron & steel, Allentown, Pa.
Sogg, Allen, architect, 318 Hippodrome bldg, Cleveland, Ohio
Sohl, Fred E., tackle blocks, Seattle, Wash.
Sohm Elec. Co., boxes, clocks, recorders, stamps, etc., 841 Blue Island av, Chicago, Ill.
Sohmer & Co., pianos, 315 5th av., New York.
Sohn, Dan'l, Mach. Co., Rochester, N. Y.
Sohn, H. M., architect, 452 5th av, New York
Sohst, John E. W., aut. repairs, 2720 B'way, Oakland, Cal.
Soiset Bros., sash, doors & blinds, Sioux City, Iowa
Soisson, Jos., Fire Brick Co., Connellsville, Pa.
Sokup, F. J., cornices, Grand Rapids, Mich.
Solano Iron Wks., cross arm braces, Benicia, Cal.
Solar Elec. Co., elec. illuminated signs, shade holders, etc., W. Lake, Chicago, Ill.
Solar Light Co., 69 Wooster, New York.
Solar Metal Products Co., hollow metal & steel doors, Columb Ohio
Solar Prism Co., prismatic glass mfrs., Cleveland, Ohio.
Solar Refining Co., petroleum, Lima, Ohio.
Solarine Co., metal polish, 153 N. Carpenter, Chicago, Ill., Emerson bldg., Baltimore, Md.
Solberg, A., Lumber Co., Blooming Prairie, Minn.
Solderall, G., Co., solder, etc., 127 Sussex av, Newark, N. J.
Soldwedel, Fred'k A., architect, 140 E. 49th, New York
Solfisburg's, C., Sons, brick, Aurora, Ill.
Solidarity Watch Case Co., 242 Chestnut, Brooklyn, N. Y.
Sollitt Kitchen Door, 407 Rookery Bldg., Chicago, Ill.
Sollitt, Oliver, Construction Co., 481 N. Waller, Chicago, Ill.
Sollitt, Simmer Co., contrs., Pullman bldg, Chicago, Ill.
Solms, Geo., Co., masons' & bldrs.' matls., Maure av, Richmo Hill, N. Y.
Solmson, M., Fly Screen Co., Bayard & Nanticoke, Baltimo Md.
Solomon-Hayes-Cowley Co., lbr., Oscoda, Mich.
Solomon, Jos. scrap iron, Beaver Falls, Pa.
Solomon, Moses, scrap iron, Beaver Falls, Pa.
Solomon Packing Co., canned goods, North Cove, Wash.
Solon Lbr. Co., Solon, Maine.
Solshine Mfg. Co., metal polish, 22 Custom House, Boston, Ma
So-Lumbinum Mfg. & Engng. Co., aluminum solder mfrs., 17 Broadway, New York.
Solvay Process Co., chemical mfrs., (Solvay), Syracuse, N.
Solvos Co., rubber sheeting, 4216 Calumet av, Chicago, Ill.
Sombart Milling Co., flour, Boonville, Mo.
Somelastique Bedding Co., spring beds, 301 E. 22d, New Yo
Somers Brick Co., Atlantic City, N. J.
Somers Bros. Mfg. Co., concrete bldg. block mach'y, Urbai Ill.
Somers Co., Inc., mfrs. of sheet brass, German silver bron Waterbury, Conn.
Somers, Fitler & Todd Co., machinery, mill & facty. supplie 325 Water, Pittsburgh, Pa.
Somers, Harold, fly swatters, killers, 150 De Kalb av, Broo lyn, N. Y.
Somers, Jas. M., Co., rules, Bridgeport, Conn.
Somers Lumber Co., sash, door & blind, Atlantic City, N. J.
Somers Lbr. Co., Somers, Mont.
Somers, Patrick E., tacks, nails, etc., Worcester, Mass.
Somerset Door & Column Co., Somerset, Pa.
Somerset Knitting Co., bathing suit mfrs., 1 Station, Bosto Mass.
Somerset Milling Co., flour, Somerset, Ky.
Somerset Packing Co., canned goods, Upper Fairmount, Md.
Somerset Rubber Reclaiming Wks., New Brunswick, N. J.
Somerset Stone Co., Johnstown, Pa.
Somerset Stove Foundry Co., Somerset, Mass.
Somersworth Fdry. Co., Salmon Falls, N. H.
Somersworth Grain Co., masons' & bldrs.' matls., Somerswort N. H.
Somerville Iron Fndry. Co., Somerville, Mass.
Somerville Iron Wks., mchsts. & fndrs., Somerville, N. J.
Somerville Stove Wks., Somerville, N. J.
Somerville, Thos., Co., plumbers' & steamfitters' supplies, 3 13th, N. W., Washington, D. C.
Somerworth Fdry. Co., Salmon Falls, N. H.
Somes, Dana, 119 Water, Boston, Mass.
Somes & Parsons, architects, 1 Beacon, Boston, & 145 Munro Lynn, Mass.
Sommarstrom Bros., contrs., Oakland, Cal.
Sommer-Adams Co., mchst., E. 55th & Francis av, Cleveland,
Sommer Badge Mfg. Co., buttons, Newark, N. J.
Sommer, H. F., & Co., patent leather, 219 Hamburg pl, Newar N. J.
Sommer, J. L., Mfg. Co., novelties, Newark, N. J.
Sommer, John, Faucet Co., woodenware mfrs., 30 Morris, Ne ark, N. J.
Sommerfeld, A., cornices 4077 Pk. av, New York.
Sommerfeld Mach. & Mfg. Co., glass presses, 216 2d av, Pitt burgh, Pa.
Sommerfeld & Steckler, architects, 31 Union sq, New York.
Sommers Bros. Match Co., lbr., Saginaw, Mich.
Sommers, Frank J., elec. contr., San Jose, Cal.
Sommerse Hardware Co., Clarksdale, Miss.
Sommerstown Shipbldg. Co., Columbia City, Ore.
Sommerville Elevator Co., 156 W. 20th, New York.
Sommerville Iron & Bronze Co., 5641 Butler, Pittsburgh, Pa.
Soncrant, Leon, contractor, Wyandotte, Mich.
Sondheimer, E., Co., lumber, Memphis, Tenn.
Sones, C. W., lumber, Williamsport, Pa.
Sonestown Mfg. Co., clothes pins, Williamsport, Pa.
Sonken, Galamba, Iron & Metal Co., second-hand r. r. equip North 2nd, Kansas City, Kans.
Sonman Shaft Coal Co., bituminous, Minersville, Pa.
Sonn, A. L., Brush Co., Troy, N. Y.

neborn, L., Sons, oils, paints, polishes, etc., 262 Pearl, New York.
neman, C. G., & Son, lumber mfrs., Vandalia, Ill.
nemann, Alex. H., architect, 2,440 16th, Washington, D. C.
nenberg, Jos., architect, Irvington, N. J.
ner, P. J., contractor, Plymouth, Bldg., Minneapolis, Minn.
nhalter Sand & Stone Co., Massillon, Ohio.
nichsen, S. E., architect., 4131 Boston blk, Seattle, Wash.
ntag, Geo. W., masons' & bldrs.' matls., Evansville, Ind.
oma Magnesite Co., Humboldt Bank Bldg., San Francisco, Cal.
ra Phonograph Corp., talking machines, 279 B'way, New York.
Hardware Co., Sault Saint Marie, Mich.
Woolen Mills, lumbermen's socks. Sault Ste Marie, Mich.
r, A. C., Co., canned goods, Farmingdale, N. J.
r, F. J., architect, 610 S. B'way, Los Angeles, Cal.
r, Geo. E., machst. & fndr., Kankakee, Ill.
r Lumber Co., 2204 Loomis, Chicago, Ill.
rton Guano Co., Soperton, Ga.
cco, John J., scrap iron & steel, 116 3d av, Pittsburgh, Pa.
ci Contr. Co., 170 B'way, New York.
n & Kelman, contractors, 230 Saratoga, Providence, R. I.
nsen, H. P., contractor, 13th & Harrison, South Omaha, Neb.
nsen, O. J., store & bar fixtures, La Crosse, Wis.
nsen, P., automatic switches, watch demagnetizers, etc., 18 Dunham pl, Brooklyn, N. Y.
nson, E., Co., Inc., surgical instruments, 177 E. 87th, New York
nson, Gilbert, boilers, Casselton, N. D.
nson, Louis, contractor, 189 W. Madison, Chicago, Ill.
nson, N. C., architect, Albert Lea, Minn.
nson, Walter, contractor, Berkeley, Cal.
Paul A., Paper Co., Middletown, Ohio.
, A., Jr., & Co., steam traps, exhaust heads, Monadnock Bldg., Chicago, Ill.
, Kurt, pumps, 224 E. 80th, New York.
l Elec. Co., carbon brushes, Milwaukee, Wis.
, Anthony P., Jr., architect, 363 Fulton, Brooklyn, N. Y.
ll, Richard H., contractor, 329 N. S. W., Washington, D. C.
an & Landis Co., scenic artists, 417 S. Clinton, Chicago, Ill.
Mfg. Co., die casting machines, hinges, etc., Grand av, Brooklyn, N. Y.
Bros., boilers, fndry. cupolas, heating contrs., tanks, etc., ottstown, Pa.
e, A., contractor, Medina, N. Y.
n Specialty Mfg. Co., disinfectants, 961 Alexander, Milaukee, Wis.
n & Morrison, granite, S. Quincy, Quincy, Mass.
r, C. P., architect, Niles, Ohio.
r & Crouthamel, masons' & bldrs.' matls., Souderton, Pa.
r, E. A., & Co., lbr., Franklin Bank Bldg., Phila., Pa.
r, F. M., stone, Millville, N. J.
rs, Byron, contractor, Atlanta, Ga.
Edw. L., Co., iron & steel products of all kinds, Rialto dg, San Francisco, Cal. *See adv. index at end of book*
L. P., & Son Co., contractors, 80 Boylston, Boston, Mass.
Steam Feed Wks., Meridian, Miss.
Thomas H., architect, Caldwell, Idaho.
Turney, masons' & bldrs.' matls., New Milford, Conn.
Winsor, architect, 1206 Staten Island, Santa Barbara, al.
Construction & Engineering Co., Hearst Bldg., San Francsco, Cal., & Seattle, Wash.
Lumber Co., Seattle, Wash.
, R., contractor, Lake Geneva, Wis.
& Ritchie, contractors, Troy, N. Y.
Amboy Lumber & Supply Co., South Amboy, N. J.
Amboy Terra Cotta Co., 150 Nassau, New York.
American Gold & Platinum Co., platinum miners, 61 roadway, New York.
Atlantic Fertilizer Co., Augusta, Ga.
Atlantic Lbr. Co., Greensboro, N. Car.
Atlantic Packing & Provision Co., Savannah, Ga.
Atlantic Waste Co., Charlotte, N. C.
Barre Granite Co., Inc., Barre, Vt.
Bend Bait Co., fishing tackle mfrs., South Bend, Ind.
Bend Boiler Wks., steel tanks, South Bend, Ind.
Bend Chilled Plow Co., plow stocks, South Bend, Ind.
Bend Dowel Works, South Bend, Ind.
Bend Foundry Co., South Bend, Ind
Bend Lathe Works, South Bend, Ind.
Bend Mills & Timber Co., lumber, South Bend, Wash
Bend Motor Car Wks., South Bend, Ind.
Bend Paper Co., paper bag machy., South Bend, Ind.
Bend Spark Arrester Co., South Bend, Ind.
Bend Spring Wagon & Carriage Co., auto. metal bodies, uth Bend, Ind.
Bend Supply Co., mill & facty. supplies, South Bend, Ind.
Bend Toy Mfg. Co., South Bend, Ind.
Bend Watch Co., machsts., South Bend, Ind.
Carolina Pottery Co., North Augusta, S. C.
Chester Tube Co., Pipe Mills, Chester, Pa.
Coast Canning Co., Long Beach, Cal.
Coventry Paper Co., South Coventry, Conn.
Dakota Prov. Co., meat, Sioux Falls, S. D.
South Dakota State College, engrag. school & coll., Brookings, S. D.
South End Machine Co., Akron, Ohio.
South Fla. Fdry & Mach. Works, Orlando, Fla.
South Fork Fire Brick Co., South Fork, Pa.
South Fork Fdry. & Mach. Wks., mine car wheels, South Fork, Pa.
South Georgian Buggy Co., Valdosta, Ga.
South Georgia Fertilizer Co., McRae, Ga.
South Ga. Milling Co., feed, Valdosta, Ga.
South Halsted Street Iron Wks., 2607 S. Halsted, Chicago, Ill.
South Haven Preserving Co., South Haven, Mich.
South Jersey Canning Co., Pedricktown, N. J.
South Jersey Farmers' Exchange, fertilizer mfrs., Woodstown, N. J.
South Lebanon Canning Co., South Lebanon, O.
South Memphis Brick Co., Memphis, Tenn.
South Michigan Brick Co., Kalamazoo, Mich.
South Park Foundry & Machine Co., St. Paul, Minn.
South Penn. Bldg. Co., Uniontown, Pa.
South Pittsburgh Fdry. Co., South Pittsburgh, Tenn.
South River Brick Co., South River, N. J.
South River Lbr. Co., Cornwall, Va.
South St. Louis Foundry Co., derricks, hoists, etc., 7514 So. Broadway, St. Louis, Mo.
South San Francisco Dock Co., San Francisco, Cal.
South San Francisco Packing & Provision Co., meat packers, 407 Front, San Francisco, Cal.
South Seattle Foundry Co., Seattle, Wash.
South Shore Constr. Co., Erie, Pa.
South Side Brick Co., Richmond, Va.
South Side Cereal Mills, cereal foods, Ft. Wayne, Ind.
South Side Chandelier Co., elec. light. fix. mfrs., 5852 S. Halsted, Chicago, Ill.
South Side Cornice Wks., 4324 Cottage Grove av, Chicago, Ill.
South Side Fdry. & Machine Wks., Charleston, W. Va.
South Side Interior Finish Co., sash, door & blind mfrs., 5837 Laflin, Chicago, Ill.
South Side Malleable Casting Co., 14th av & Ry. Tracks, Milwaukee, Wis.
South Side Stone Co., Bloomington, Ind.
South Texas Lbr. Co., Houston, Texas.
South Western Portland Cement Co., stone producers, El Paso, Texas.
Southall, Geo. A. & Co., masons & bldrs.' matls., Marion, Ind.
Southard, Chas. H., Co., bldg. materials, 9th av nr 15th, New York.
Southard, J. E., & Son, Michigan City, Ind.
Southard Novelty Co., advtg. nov., Columbus, Ohio.
Southard, Robertson Co., stoves, Peekskill, N. Y.
Southeastern Farm Implt. Co., dlrs., Greenville, S. C.
Souther, E. E., Iron Co., Klenlin & Hamburger, St. Louis, Mo.
Souther, Henry, Engineering Corp., consulting engineers, metallurgical, sanitary inspecting, 111 Laurel, Hartford, Conn.
Souther, Jno., & Co., machsts. & fndrs., 101 Tremont, Boston, Mass.
Southerland, W. M., Bldg. Cont'g. Co., Syndicate Trust Bldg., St. Louis, Mo.
Southern Acid & Sulphur Co., Boatmen's Bank bldg., St. Louis, Mo.
Southern Asbestos Mfg. Co., Inc., mill supps, pipe & boiler coverings, etc., Richmond, Va.
Southern Aseptic Laboratories, absorbent cotton, Columbia, S. C.
Southern Auto & Mach. Co., water supply outfits, 116 Roberts av, St. Louis, Mo.
Southern Bagging Co., mattresses, Norfolk, Va.
**SOUTHERN ARCHITECT & BUILDING NEWS**, Atlanta, Ga. *See adv. index at end of book*
Southern Bedding Mfg. Co., mattresses, Austin, Tex.
Southern Belting Co., Atlanta, Ga.
Southern Belting Co. of New Orleans, La., 602 S. Peters, New Orleans, La.
Southern Board & Paper Mills, Los Angeles, Cal.
Southern Boiler & Tank Wks. Co., Memphis, Tenn.
Southern Boiler Works, Belleville, Ill.
Southern Box & Lumber Co., Savannah, Ga.
Southern Brass Mfg. & Plating Co., Houston, Tex.
Southern Brick & Tile Co., Louisville, Ky.
Southern Bridge Co., Birmingham, Ala.
Southern Broom Mfg. Co., Atlanta, Ga.
Southern Bldg. Co., contrs., Bessemer, Ala.
Southern Building Supply Co., Montgomery, Ala.
Southern California Fish Co., canners, Los Angeles, Cal.
Southern California Hardwood & Mfg. Co., 1430 S. Alameda, Los Angeles, Cal.
Southern California Iron & Steel Co., 4th & Mateo, Los Angeles, Cal.
Southern Can Co., 717 S. Wolfe, Baltimore, Md.
Southern Car Co., High Point, N. C.
Southern Carbon Co., Warren, Ohio.
Southern Carriage Wks., Beaumont, Tex.
Southern Casket Co., Louisville, Ky.
Southern Cement Co., Birmingham, Ala.
Southern Chair Co., High Point, N. C.
Southern Chemical Co., fertilizer mfrs., Roanoke, Va.
Southern Clay Mfg. Co., brick, Chattanooga, Tenn.

Southern Coal, Coke & Mining Co., Security bldg, St. Louis, Mo.
Southern Coffin & Casket Co., Knoxville, Tenn.
**Southern Constr. & Mill Supply Co., Houston, Texas.**
Southern Constr. & Supply Co., Atlanta, Ga.
Southern Cooperage Co., Claremont, Va.
Southern Cooperage Co., 3160 Chartres, New Orleans, La.
Southern Co-Operative Foundry Co., Rome, Ga.
**Southern Cotton Oil Co., fertilizer mfrs., 120 B'way, New York.**
Southern Coupon Co., books, Birmingham, Ala.
Southern Creosoting Co., Ltd., Slidell, La.
Southern Desk Co., Hickory, N. C.
Southern Drainage & Lbr. Co., Hunter Ark.
Southern Elec. Co., massage vibrators, 1100 Pine, St. Louis, Mo.
Southern Elev. Co., machsts., Louisville, Ky.
Southern Engine and Boiler Mfg. Co., Jackson, Tenn.
Southern Exch. Co., ties, poles, etc., 97 Warren, New York.
Southern Extract Co., Knoxville, Tenn.
Southern Fero Concrete Co., Atlanta, Ga.
Southern Ferro Alloys Co., Chattanooga, Tenn.
Southern Fertilizer & Chemical Co., Savannah, Ga.
Southern Fertilizer Co., Louisville, Ky., Clayton, Ala., Orlando, Fla.
Southern Fibre Co., paper mfrs., Portsmouth, Va.
Southern Fire Brick & Clay Co., 133 W. Washington, Chicago, Ill.
Southern Fdry. Co., Nashville, Tenn., Owensboro, Ky. & Valdosta, Ga.
Southern Fdry. & Mach. Co., Lexington, Tenn.
Southern Furniture Co., Texarkana, Tex.
Southern Gem Coal Corp., Oil Colony bldg, Chicago, Ill.
Southern Graphite Co., Ashland, Ala.
Southern Grocer Co., Ltd., masons' & bldrs.' matls., Monroe, La.
Southern Gypsum Co., wall plaster & stucco mfrs., North Holston, Va.
Southern Hardware Co., Charlotte, N. C.
Southern Hardware Co., Ltd., Monroe, La.
Southern Heating Co., Memphis, Tenn.
Southern Illinois Milling & Elevator Co., flour, Murphysboro, Ill.
Southern Improvement Co., contrs., 73 W. Monroe, Chicago, Ill.
Southern Ind. Mfg. Co., lbr., Birds Eye, Ind.
Southern Iron & Commission Co. scrap iron, Birmingham, Ala.
Southern Iron & Equipment Co., mchsts. & fdrs., Atlanta, Ga.
Southern Iron & Metal Co., castings, Jacksonville, Fla.
Southern Jobbers & Supply Co., machy., New Orleans, La.
Southern Locomotive Valves Gear Co., Knoxville, Tenn.
**Southern Lumber Co., Boulder Creek, Cal.; Fayette, Ala.;** Savannah, Ga.; Memphis, Tenn.; Myrtis, La., & Warren, **Ark.**
Southern Lbr. & Mfg. Co., Nashville, Tenn.
**Southern Lumber & Supply Co., Paulding, O.; Tampa, Fla.**
**Southern Lbr. & Timber Co., Hillsdale, Miss.**
Southern Lumberman, trade publication, Nashville, Tenn.
Southern Mach. Wks., 835 Tchoupitoulas, New Orleans, La. & Albany, Ga.
Southern Machinery Co. mill & facty supps, Atlanta, Ga.
Southern Manganese Co., Anniston, Ala.
Southern Mfg. Co., flannels, Athens, Ga.
Southern Mfg. Co., sashes, doors & blinds, Gadsden, Ala.
Southern Marble Co., Worcester, Mass.
Southern Marble & Granite Co., Spartansburg, S. C.
Southern Mattress Co., 1109 Annunciation, New Orleans, La.
Southern Milling Co., flour, Nashville, Tenn.
Southern Mills Corp., cordage & twine mfrs., Oxford, Ala.
Southern Novelty Co., cloth tubes, Hartsville, S. C.
Southern Nov. Mfg. Co., advtg. spec., Memphis, Tenn.
Southern Oil & Chemical Co., printing inks & rosin oils, Savannah, Ga.
Southern Oil Corp., Tulsa, Okla.
Southern Oil Treating & Hardening Co., stearin, Atlanta, Ga.
Southern Oregon Co., canned goods & lumber, Empire, Ore.
Southern Pacific Ry. Shops, mchsts. & fndrs., New Orleans, La.
Southern Paint & Varnish Wks., Atlanta, Ga.
Southern Paper Co., Moss Point, Miss.
Southern Paving Construction Co., Chattanooga, Tenn.
Southern Paving Gravel Co., Savannah, Ga.
Southern Pine Assn., lumber, New Orleans, La.
Southern Pine Lumber Co., Montgomery, Ala. & Texarkana, Ark.
Southern Pine Mfg. Co., cross arms, Paducah, Ky.
Southern Pine Sales Corp., lbr. Sales office, 1236 Woolworth bldg., New York.
Southern Pipe & Fdry. Co., grey iron castings, Knoxville, Tenn.
Southern Planing Mills, Meridian, Miss.
Southern Plow Co., Dallas, Tex.
Southern Plow Co., plow stocks, Columbus, Ga.
Southern Potteries, Inc., Erwin, Tenn.
Southern Press Cloth Mfg. Co., Augusta, Ga.
Southern Product Co., canned goods, Seminary, Miss.
Southern Railway Supply Co., mill & factory supply, wholesale, 1323 E. Main, Richmond, Va.
Southern Railway Supply & Equipment Co., 17th & Ohio, St. Louis, Mo.
Southern Refining & Mfg. Co., terminal tracks nr. Frenchman, New Orleans, La.
Southern Rice Milling Co., 325 N. Peters, New Orleans, La.
Southern Rock Island Plow Co., Dallas, Tex.
Southern Roller Stave & Heading Co., Elizabeth City, N. C.



**Southern-Rome Co., metal bedsteads mfrs., 623 W. Pratt, Ba**more, Md.
Southern Rubber Belting Co. mill & facty supps, Houst Texas.
Southern Saddlery Co., Chattanooga, Tenn.
Southern Sand & Gravel Co., Richmond, Va.
Southern Saw Works, East Point, Ga.
Southern Saw Mill Co., Thomasville, Ga., & Whitney Bldg., N Orleans, La.
Southern Seating & Cabinet Co., car seats, chairs & fittin Jackson, Tenn.
Southern Seed Co., acid phosphate, Louisville, Ky.
Southern Sewer Pipe Co., Birmingham, Ala.
Southern Sheet & Lime Plate Co., tin & iron sheets, Ashland, K
Southern Skein & Foundry Co., Chattanooga, Tenn.
Southern Spindle & Flyer Co., Charlotte, N. C.
Southern Spoke & Mfg. Co., Shelby, Miss.
Southern Spring Bed Co., Atlanta, Ga.
Southern Stamp Co., Little Rock, Ark.
Southern States Bag Co., Jacksonville, Fla.
Southern States Engng. Co., 2nd hand machy., Hennin bldg. N Orleans, La.
Southern States Lime Corp., Charleston, S. C.
Southern States Lumber Co., Pensacola, Fla.
Southern States Phosphate & Fertilizer Co., Augusta, Ga.
Southern States Portland Cement Co., Rockmart, Ga.
Southern States Supply Co., mill & facty. & plumbers' suppli Columbia, S. C.
Southern Stove Wks., Evansville, Ind.
Southern Stove Works, Richmond, Va.
Southern Structural Steel Co., San Antonio, Tex.
Southern Supply Co., mill & factory supplies, Norfolk, Va.
Southern Supply Co., plumbers' supplies—jobbers, Calvert Sara, Baltimore, Md.
Southern Sweat Pad Co., Evansville, Ind.
Southern Syrup Co., canners, Montgomery, Ala.
Southern Tent & Awning Co., Lexington, Ky.
Southern Texile Machy. Co., Greenville, S. C. & Paducah, Ky.
Southern Tile & Brick Wks., Jackson, Tenn.
Southern Torpedo Co., Parkersburg, W. Va.
Southern Trading Co., mill & facty. supplies, Fort Worth, Te
Southern Valve Gear Co., Knoxville, Tenn.
Southern Welding & Reclaiming Co., Birmingham, Ala.
Southern Wheel Co., machsts. & fndrs., Railway Exch. Bld St. Louis, Mo.
Southern Wheel Stock Co., Ironton, Ohio.
Southern Wire & Iron Works, settees & chairs, lawn, Atlant Ga.
Southern Wis. Fndry. Co., Madison, Wis.
Southern Wood Preserving Co., ties, poles & posts & wood pa ing blocks, Atlanta, Ga.
Southgate, Donald W., architect, Arcade, Nashville, Tenn.
Southgate Press, calender pads, 87 Broad, Boston, Mass.
Southington Hdwe. Co., bevels, glass cutters, etc., Southin ton, Conn.
Southington Lumber & Feed Co., Southington, Conn.
Southington Mfg. Co., bit braces, handles, screw driver mfr Southington, Conn.
Southside Roller Mills Co., Winston-Salem, N. C.
Southwark Foundry & Machine Co., 430 Wash. av, Phila., P
Southwark Mfg. Co., whiting & Paris white mfrs., Camden, N.
Southwark Scale Co., machsts. & fndrs., Camden, N. J.
Southwest Hardware Co., 335 E. 3rd, Los Angeles, Cal.
Southwest Mfg. Co., lbr., Raymond, Wash.
Southwest Mfg. Co., silos, Oklahoma, Okla.
Southwest Plumbing Supply Co., 2030 Walnut, Kans. City, M
Southwest Wire & Iron Works Co., mining screens, Kansas Cit Mo.
Southwestern Broom Mfg. Co., Evansville, Ind.
Southwestern Engng. Co., flotation mach., 606 S. Hill st, L Angeles, Cal.
Southwestern Engng. Co., grain elevator machy., etc., Sprin field, Mo.
Southwestern Mfg. Co., machsts. & fndrs., Okla., Okla.
Southwestern Mechanical Co., Ft. Worth, Tex.
Southwestern Oil Corp., Oklahoma, Okla.
Southwestern Paint & Varnish Co., Kansas City, Mo.
Southwestern Portland Cement Co., El Paso, Tex.
Southwestern Sash & Door Co., Phoenix, Ariz.
Southwick, Geo., belt tighteners, 9 Malden la, New York.
Southwick, Geo. W., Co., mill & facty. supplies, Stamford, Con
Southwick Power Co., contrs., 1244 St. Jean, Detroit, Mich.
Southwick, Theron T., Oil Co., oils, Rochester, N. Y.
Southworth Co., paper & pulp mills, Mittineague, Mass.
Southworth Mach. Co., printers, bookbinders & turret scre machinery, Portland, Me.
Souvenir Lead Pencil Co., Ceder Rapids, Ia.
Souweine Mfg. Co., hand mirrors, 103 Varick, New York.
Soverbutt, J. S. (Est. of), carriages, Paterson, N. J.
Sovereign C. E. Co., leather gaskets, Rockford, Ill.
Soverel, S. H., contractor, Orange, N. J.
Sowers, Assa, chemist, 104 John, New York
Sowers Mfg. Co., soap makers' machy., 1320 Niagara, Buffal N. Y.
Sowle, J. E., mill & facty. supplies, Gloversville, N. Y.
Sowney & Bros., carriages, 1204 Frankford, Philadelphia, Pa.

acke Mach. & Tool Co., journal bearings, gears, engines, piston rings, etc., Indianapolis, Ind.
ackman, Henry S., Engng. Co., 2024 Arch, Philadelphia, Pa.
adone Machine Co., Inc., cloth cutting machines, 126 Duane, New York.
afford Machine Screw Wks., screws & screw mach. prodts. mfrs., 516 Asylum, Hartford, Conn.
afford Tool Wks., drilling & turret heads, vises, special machy., tools, jigs & fixtures, Hartford, Conn.
ahr, Albert H., archt., Keystone Bldg., Pittsburgh, Pa.
ahr Mfg. Co., milk bottle caps, 1423 Vine, Philadelphia, Pa.
akrs, Thos. E., contractor, Kirklin, Ind.
alding, A. G., & Bros., sporting goods mfrs., 126 Nassau, New York.
alding Construction Co., Rialto Bldg., San Francisco, Cal.
alding Fndry. Co., Atlanta, Ga.
alding, H. M., & Son, masons' & bldrs.' matls., Troy, Pa.
alding Lumber Co., 208 S. La Salle, Chicago, Ill.
alding, Melvin P., architect, 351 Lexington av, New York
alding-Robbins Disc Plow Co., 625 Market, San Francisco, Cal.
alding & Stewart, architects, Thief River Falls, Minn.
alding Tilling Machine Co., gang plows, Cleveland, Ohio.
alten Bros., cornices, 1240 S. Crawford av, Chicago, Ill.
ang, Chalfant & Co., machsts. & fndrs., Union Bank Bldg., Pittsburgh, Pa.
ang & Co., machinists, Butler, Pa.
angler, Chas., machinists & founders, Allentown, Pa.
angler, E. J., Co., paper cups, envelopes, etc., 1237 N. Howard, Philadelphia, Pa.
angler, W. H., woolen flannels and blankets, Fitzpatrick, W. Va.
anish-American Cork & Specialty Co., cork mfrs., Westport, Balto., Md.
anish Peak Lumber Co., 1st Natl. Bank Bldg., San Fran., Cal.
anjer Bros., wood models, trade marks & monograms, 198 Badger av, Newark, N. J.
ann, Henry L., architect, Mutual Life bldg, Buffalo, N. Y.
annhake, Otto L., architect, 116 Nassau, New York
anogle-Yeager Milling Co., flour, Lewistown, Pa.
arger Concrete Co., Seattle, Wash.
argo, John, contrs., 240 Montgomery, San Francisco, Cal.
argo, Wm. T., granite, S. Quincy, Quincy, Mass.
argo Wire Co., Rome, N. Y.
arklin & Childs, architects, Law Bldg., Baltimore, Md.
arks, C. A., contractors, Danville, Ill.
arks & Evans, contractors, Abbott Bldg., Philadelphia, Pa.
arks Hdwe. Co., whol., Albany, Ga.
arks, J. C., betanaphthol & aniline oil & salt, 42 Warren, New York.
arks, J. W., Co., whol. hdwe., Charleston, W. Va.
arks Milling Co., flour, Alton, Ill.
arks & Murphy, machinists, Petaluma, Cal.
arks, W. J., Co., crushed stone, Mt. Vernon, Ky.
arks-Withington Co., machinists, Jackson, Mich.
arr Cereal Co., farina, Marshfield, Wis.
arr, E. E., htg. contractor, St. Paul, Minn.
arrow, E. S., & Co., masons' & bldrs.' matls., Somerville, Mass.
arta Foundry Co., Sparta, Mich.
arta Iron Wks. Co., Sparta, Wis.
arta Mfg. Co., water stills, South Bend, Ind.
arta Mill Co., flour, Sparta, Tenn.
arta Plow Works, Sparta, Ill.
arta Roller Mill Co., Sparta, N. C.
arta Sash & Door Co., Sparta, Wis.
artan Grain & Mill Co., Spartanburg, S. C.
artan Mfg. Co., agricultural implements & corn mills, Pontiac, Ill.
artan Mills, cotton sheetings, Spartanburg, S. C.
artan Wagon & Buggy Co., Spartanburg, S. C.
artanburg Canning & Preserving Co., Spartanburg, S. C.
artanburg Fertilizer Co., Spartanburg, S. C.
artanburg Roller Mills, flour, Spartanburg, S. C.
arves, S. P., & Co., masons' & bldrs.' matls., St. Paul, Minn.
arves, Wm. T., cornices & skylights, Eastport, Me.
arz, H. P., cornices, 3901 Colerain av, Cincinnati, Ohio.
asalding Avery Lumber Co., Sioux City, Ia.
asalding Brass & Iron Foundry Co., Peru, Ind.
asalding Chain Corp., Bloomfield, N. J.
asalding, Chas. K., Logging Co., Portland, Ore.
asalding, D. S., key rings, shears & scissors, Mansfield, Mass.
asalding, E. G., architect, Everett, Wash.
asalding, H. H., sash, door & blind, Hemet, Cal.
asalding, H. S., Co., sash, door & blind mfrs., Elmira, N. Y.
asalding, J. R., & Co., maps, Boston, Mass.
asalding, J., & Sons Co., Inc., paper & pulp mills & mill baskets, P. O. Box 52, Tonawanda, N. Y.
*See adv index at end of book.*
asalding, M. O., architect, Keene, N. H
asalding Mfg. Co., automobile bldrs., Grinnell, Ia.
asalding & Metcalf, mill & facty. supplies, 532 Arch, Philadelphia, Pa.
asalding & Moss Co., blue print paper drawing materials, 42 Franklin, Boston, Mass.
asalding, W. H., architect, 34 Bergen av, Jamaica, N. Y.
aston, B. A., & Co., drinking fountains, 340 Central av, Newark, N. J.
atch Bros., machinists, Van Wert, O.

S. P. Brick Co., Exeter, Cal.
Speakes, P. G., Co., masons' & bldrs.' matls., 2845 2nd av, S., Minneapolis, Minn.
Speakman Supply & Pipe Co., jobbers, Wilmington, Del.
Spear Bros., bldg. contrs., Burlington, Vt.
Spear, F. R., masons' & bldrs.' matls., Rockland, Me.
Spear, H. A., Jr., cornices, Walpole, Mass.
Spear, Jas., Stove & Heating Co., 1823 Market, Philadelphia, Pa.
Spear & Miller Co., brake shoes, 80 E. Jackson blvd., Chicago, Ill.
Spear, Moylan & Lasley, contractors, Toledo, Ohio.
Speares, Alden, Sons Co., lubrg. oils & greases, 149 B'way, New York.
Speare's, Alden, Sons Co., oils, Cambridge, Mass.
Spearin, George B., bridge foundations & dock bldrs., 90 West, New York.
Spears, C. A., & Son, lbr. mfrs., Grand Rapids, Mich.
Spears, E. F., & Sons, tow, Paris, Ky.
Spears & Riddle Co., auto accessories, supplies, Wheeling, W. Va.
Special Fire Alarm Elec. Signal Co., 44 E. 23d, New York.
Special Machy. Co., Bridgeport, Conn.
Spec. Sales Co., advtg., 929 18th av, Seattle, Wash.
Special Service Flooring Corp., 2039 Grand Central Terminal, New York *See adv. index at end of book*
Special Tool & Eng. Mfg. Co., special machy., machine tools, etc., 310 E. 2d, Dayton, O.
Specialty Bolt & Rivet Wks., bolts, screws, etc., 132 Hillside av, Shelton, Conn.
Specialty Box Mfg. Co., folding crates, Portland, Ore.
Specialty Brass Co., carbureters & machsts, Kenosha, Wis.
Specialty Device Co., cross arms, etc., 106 W. 3rd, Cincinnati, Ohio
Specialty Display Case Co., Kendallville, Ind.
Specialty Engng. Co., buckets, conveyors, crushers, etc., Trenton & Allegheny, Philadelphia, Pa.
Specialty Insulation Mfg. Co., Hoosick Falls, N. Y.
Specialty Knitting Wks., sweaters, 593 6th, Detroit, Mich.
Specialty Mach. Wks., 72 2d, San Francisco, Cal.
Specialty Mfg. Co., grass catchers, 2362 University av, St. Paul, Minn.
Specialty Mfg. Co., machinists, Decatur, Ill., & So. Norwalk, Conn.
Specialty Mfg. Co., mechanics' aprons, St. Anthony Park, Minn.
Specialty Mfg. Co., packing, 14 E. Jackson blvd., Chicago, Ill.
Specialty Mfg. Co., step ladders, swings, etc., Titusville, Pa.
Specialty Mfg. Co., surgical instruments, 15 Spruce, New York.
Specialty Mattress Co., Huntington, W. Va.
Specialty Products Co., snap fasteners, 494 Mulberry, Newark, N. J.
Specialty Reed Works, Spartanburg, S. C.
Specialty Shoe Machy Co., St. Joseph, Mo.
Specification Soap & Oil Co., 427 W. 13th, New York.
Speck Bros., contractors, Bethlehem, Pa.
Speck, Forest F., contractor, Bethlehem, Pa.
Speck, Marshall Co., mill & facty. supplies, 314 2d av, Pittsburgh, Pa.
Speck, Wm., machinist, 2132 Folsom, San Francisco, Cal.
Spedden Packing Co., James, Md.
Spedden Ship Bldg. Co., machsts., Boston & Kenwood, Balto., Md.
Spedden Supply Co., mill & facty. supplies, Boston & Kenwood av, Baltimore, Md.
Speddy, T. H. & Co., steel structural dealers, 85 2d, San Francisco, Cal.
Speeceville Brick Mfg. Co., Speeceville, Pa.
Speed, J. B., & Co., masons' & bldrs.' supplies, Louisville, Ky.
Speed Machine Co., concrete mixers, Passaic, N. J.
Speed, Jas. & Co., mill & facty supplies, 170 Summer, Boston, Mass.
Speelman, Edw., contractor, Piqua, Ohio.
Speer Carbon Co., St. Marys, Pa.
Speer Gas Machine Mfg. Co., 412-413 Bumiller Bldg., Los Angeles, Cal.
Speer Hardware Co., Fort Smith, Ark.
Speer, L. J., & Son, contractors, Sea Isle City, N. J.
Speer, M. B., & Co., scrap iron & steel, 515 Reedsdale, Pittsburgh, Pa.
Speer, M., Iron & Metal Co., Sharon, Pa.
Speer, W. B., glass blowers' pipes, 107 Carson, Pittsburgh, Pa.
Speich Stove Repair Co., 130 W. Water, Milwaukee, Wis.
Speicher, D. E., machinist, Urbana, Ind.
Speidel, J. G., elevator, hoists & crane mfrs., Reading, Pa. *See adv index at end of book.*
Speidell, C. E., & Son, stone, Lincoln, Neb.
Speiden, Chas. E., archl. iron, 620 C. S. E., Washington, D. C.
Speiden & Speiden, architects, 1403 N. Y. av, N. Y., Washington, D. C.
Speirs Bros., boilers, tanks, etc., New London, Conn.
Spelger & Hurlbut, Inc., whol. hdwe., Seattle, Wash.
Spelke Constr. Co., 231 Atlantic, Stamford, Conn.
Spellman, Jas. F., & Sons Co., dock bldrs., Bangor, Me.
Spellman, Jos. R., metallurgical engrs., 300 W. 121st, New York.
Spellman & Co., masons' & bldrs.' matls., Lincoln, Ill.
Spelman, Geo. F., architect, 375 E. Fordham rd, New York
Spelts, A., flour & feed mills, Loup City, Nev.
Spena, John W., machinists, Wakeeny, Kan.
Spence, A. T., contr., Alameda, Cal.
Spence-Baggs Stove Co., Martin's Ferry, Ohio.
Spence, Bell & Co., glass stainers, 90 Canal, Boston, Mass.

Spence Bros., contractors & stone producers, 12960 Euclid av, Cleveland, Ohio, & Saginaw, Mich.
Spence Degreasing Co., 26 av L, Newark, N. J.
Spence Embossing Co., Inc., leather embossing plates, 25 Margaretta, Newark, N. J.
Spence, George, Jr., contractor, Troy, N. Y.
Spence, H. M., machy. dlrs. & mfrs. tool boxes, Parkersburg, W. Va.
Spence, J. H., canned goods, Smithville, Md.
Spence, Jas., contractor, 131 E. 18th, New York.
Spence, Jas., founder, 923 Garfield av, Jersey City, N. J.
Spencer Bros., sashes, doors & blinds, Lebanon, N. H.
Spencer & Chatterton, cotton damasks, 5817 Walker, Phila., Pa.
Spencer Elec'l Co., telephones & app., 163 Greenwich, New York.
Spencer, F. A., cornices & skylights, Council Bluffs, I. A.
Spencer, F. E. Co., mill & facty. supplies, New Haven, Conn.
Spencer, F. M., & Son, contractors, Topeka, Kans.
Spencer, Geo. G., steel struct. dlrs., 332 S. La Salle, Chicago, Ill.
Spencer Glove Co., Waverly, N. Y.
Spencer Hardware Co., Keene, N. H.
Spencer Heater Co., elec. steel castings, Scranton, Pa.
Spencer, J. A., baling presses, Dwight, Ill.
Spencer, L. D., masons' & bldrs.' matls., Hammond, La.
Spencer Lens Co., lenses & microscopes, etc., Buffalo, N. Y.
Spencer Mfg. Co., neck yokes, Spencer, Ind.
Spencer Mountain Mills, cotton damasks, Lowell, N. C.
Spencer, N. S., & Son, architects, 37 W. Van Buren, Chicago,
Spencer, Newlands Coal Co., Columbus, Kans.
Spencer Optical Co., reading glasses, 7 Maiden la, New York.
Spencer, Otis, Co., railroad equip., 80 E. Jackson blvd, Chicago, Ill.
Spencer & Powers, architects, 10 S. La Salle, Chicago, Ill.
Spencer, Powers & Martin, architects, 5 N. La Salle, Chicago, Ill.
Spencer, R., weather strips, Hearst Bldg., San Francisco, Cal.
Spencer, R. B., architect, Jackson, Miss.
Spencer, R. B., & Co., sashes, doors & blinds, Dublin, Texas.
Spencer Regulator Co., Salem, Mass.
Spencer, S. M., Mfg. Co., steel & rubber stamps & stencils, 9 Cornhill, Boston, Mass.
Spencer-Smith Machine Co., engine pistons, Howell, Mich.
Spencer & Spencer, contrs., Ithaca, N. Y.
Spencer Stone Co., Indianapolis, Ind., & Spencerville, Ohio.
Spencer Turbine Co., blowers, vacuum cleaners, 484 New Park av, Hartford, Conn.
Spencer Turbine Cleaner Co., hand vacuum cleaners, Hartford, Conn.
Spencer, Wm. M., Sons Co., canned goods, 324 E. 2d, Cincinnati, Ohio.
Spencer, Wilton H., mill & facty. supplies, 11 Exchange pl., Providence, R. I.
Spencer Wire Co. See Wickwire Spencer Steel Corp. (successors).
Spencerian Pen Co., 349 B'way, New York.
Spencer's, I. S., Sons, Inc., light iron & brass castings & genl. hwde., Guilford, Conn.
Spencerville Tile Co., Spencerville, Ohio.
Spengemann Bros., masons' & bldrs.' matls., 304 N. Central av, Baltimore, Md.
Spengler-Loomis Mfg. Co., eyers, grinders, etc., 58 E. Washington, Chicago, Ill.
Sperling, A., willowware mfrs., 354 3rd av, New York.
Spero, Carl J., architect, 7523 Ridge, Brooklyn, N. Y.
Sperry & Alexander Co., cutlery mfrs.—who. hdwe., 79 Chambers, New York.
Sperry & Amos Co., sash, door & blind mfrs., New Haven, Conn.
Sperry & Barnes Co., meat packers, New Haven, Conn.
Sperry & Beale Co., mattresses, 141 King, Brooklyn, N. Y.
Sperry & Buell, architects, Bristol, Conn.
Sperry, D. R., & Co., farm boilers, bake oven castings, filter presses, Batavia, Ill.
Sperry Engineering Co., 82 Church, New Haven, Conn.
Sperry Flour Co., San Francisco, Cal.
Sperry Gyroscope Co., compasses, searchlights, aeronautic apparatus, fire control instrts. & ship & airplane stabilizers extension, 40 Flatbush av Extension, Brooklyn, N. Y.
Sperry, Joseph E., architect, Calvert Bldg., Baltimore, Md.
Sperry Mfg. Co., wood handles, New Haven, Ind.
Sperry Wire & Iron Works, 178 Oak, San Francisco, Cal.
Sperry & Drake, general bldg. contrs., New Haven, Conn.
Sperry & Treat Co., contractors, 39 Church, New Haven, Conn.
Speth, John V., & Co., contractors, 1714 Sansom, Phila., Pa.
Spetnagle Hardware Co., Chillicothe, Ohio.
S. P. E. Wood Preserving Co., Inc., 76 Wall, New York
Sphar Brick Co., Maysville, Ky.
Spice Run Lbr. Co., Locust, W. Va.
Spicer, James S., contractors, 246 W. Brighton av, Syracuse, N. Y.
Spicer, John, sweaters, bathing suits, etc., 84 Woodbine, Brooklyn, N. Y.
Spicer Mfg. Co., drop forgings, cars & trucks, South Plainfield, N. J.
Spicer, Wm. E., & Co., machsts., Janesville, Wis.
Spicer's, David, Sons, contractors, Free Press bldg, Detroit, Mich.
Spickard, C. H., & Son, canned goods, Blue Ridge Springs, Va.
Spicker, Henry J., Co., contrs., 409 Michigan, Toledo, Ohio.
Spickett Broom Co., Lawrence, Mass.



Spickler, L. A., & Sons, carriages, Spickler, Md.
Spiegle, Geo. M., & Co., lbr., 18th & Somerset, Phila., Pa.
Spieler, Jos., cornices & skylights, Beatrice, Neb.
Spielman Elec. Co., cigar lighters, 1931 B'way, New York.
Spielman, H., architect, Hulbert Bldg., Cincinnati, Ohio.
Spier & Gehrke, architects, Chamber of Com. Bldg., Detroit, Mich.
Spiers Brick Co., 79 Milk, Boston, Mass.
Spier's, Richard N., glass stainers, etc., 257 W. 29th, New York
Spies Elec. Works, bells, 564 W. Van Buren, Chicago, Ill.
Spies, John, coin wrappers, Watertown, N. Y.
Spies, Thompson, Lbr. Co., Menominee, Mich.
Spigle, W. G., canned goods, Troutville, Va.
Spiker, A., & Sons, brick, Quincy, Ill.
Spillman, B. W., architect, Alamo Bk. Bldg., San Antonio, Tex.
Spillman, Herbert, architect, Mercantile Leary bldg, Cincinnati Ohio
Spillsbury, E. Gylbon, Engng. Co., 45 B'way, New York.
Spinach, Henry, Contracting Co., 216 Lounsbury, Waterbury Conn.
Spinaway Boat Motor Co., Freeport, Ill.
Spindler, Chas. M., architect, 215 Montague, Brooklyn, N. Y.
Spindler & Deringer, machsts. & fndrs., 243 Mercer, Jersey City, N. J.
Spindler, E. O., textile machy., 350 B'way, New York.
Spindler, V. G., canned goods, Halethorpe, Md.
Spink, C. R., architect, 6751 Hollywood, Los Angeles, Cal.
Spink, Wm. H., contractor, Hornell, N. Y.
Spinks Hdwe. Co., La Grange, Ga.
Spinks, Harry C., contractor, Newport, Ky.
Spinks, T. W., Co., masons' & bldrs.' matls., Covington, Ky.
Spinks, Wm. A., & Co., billiard chalk, 362 W. Erie, Chicago, Ill.
*See adv. index at end of book*
Spinner Bros., carriages, Lansing, Ia.
Spinner, Ed. F., agricultural implements, Ava, Ill.
Spinner, F. E., & Co., architects, 35 Warren, New York.
Spiral Conveyor Co., 1610 S. Rockwell, Chicago, Ill.
Spire & Prior, contractors, Ellicott sq., Buffalo, N. Y.
Spirella Co., machsts., Meadville, Pa.
Spiritine Chem. Co., Wilmington, N. C.
Spiro, C., Mfg. Co., waste paper baskets, 68 E. 131st, New York
Spitcaufsky Bros., contrs., 2512 Wyandotte, Kansas City, Mo.
Spitz, Alex H., architect, 105 W. Monroe, Chicago, Ill.
Spitzer Cornice Wks., 1061 Addison, Chicago, Ill.
Spitzer, Maurice, architect, 5 N. La Salle, Chicago, Ill.
Spitzmiller, Jos., stone, 2192 Shadwell, Cincinnati, Ohio.
Spitzmiller, L., stone, 2197 Clara, Cincinnati, Ohio.
Splady, Albee & Smith, contractors, Plymouth Bldg., Minneapolis, Minn.
Splitdorf Electrical Co., spark timers, 98 Warren, Newark, N. J.
Splittstoser Mfg. Co., potato sprayers, North Branch, Minn.
S-P Manufacturing Co., tools & special machinery, 872 E. 72nd, Cleveland, Ohio.
S. P. F. Wood Preserving Co., Inc., wood preservation, 76 Wall, New York, & 78 Beverly, Boston, Mass.
Spoerer's, Carl, Sons Co., automobile bldrs., 909 S. Carey, Baltimore, Md.
Spofford, John C., architect, 36 Bromfield, Boston, Mass.
Spokane Casket Co., Spokane, Wash.
Spokane Culvert & Tank Co., cornices & skylights, Spokane, Wash.
Spokane Culvert & Tank Co., Spokane, Wash.
Spokane Flour Mills, Spokane, Wash.
Spokane Fdry. Co., Spokane, Wash.
Spokane Furnace Co., cornices & skylights, Spokane, Wash.
Spokane Gas & Fuel Co., aqua ammonia, Spokane, Wash.
Spokane Hardware Co., Spokane, Wash.
Spokane Incubator Co., Spokane, Wash.
Spokane Lumber Co., Spokane, Wash.
Spokane Orna. Iron & Wire Wks., Spokane, Wash.
Spokane Paint & Oil Co., Spokane, Wash.
Spokane Pressed Brick Co., Spokane, Wash.
Spokane Sash & Door Co., Spokane, Wash.
Spokane Stamp Wks., baggage checks, Spokane, Wash.
Spokesman Publishing Co., 128 Opera pl, Cincinnati, Ohio.
Sponhauer, H. C., cornices & skylights, Galion, Ohio.
Sponholtz, Carl L., architect, Beverly, Mass.
Spool Cotton Co., 315 4th av, New York.
Spoon River Colliery Co., coal mine, Rock Island, Ill.
Spoonamore, F. P., flour mills, Stanford, Ky.
Spooner, Allen N., & Son, dock bldrs., Pier 11, N. R., New York.
Spooner, Herman W., architect, Gloucester, Mass.
Sporl, Edward F., architect, Natl. Realty bldg, New Orleans, La.
Sporting Goods Sales Journal, trade publication, 38 Park Row, New York.
Sporting News Publishing Co., Penn Bldg., St. Louis, Mo.
Sportsman's Shot Wks., lead pipe, etc., Court & Harriet, Cincinnati, Ohio.
Spotless Steam Sponger Co., machsts. & fndrs., Whitney Power Blk., Cleveland, Ohio.
Spotswood, E. R., & Son, lumber, Lexington, Ky.
Spotswood-Helfer Co., whol. hdwe., 258 1st, San Francisco, Cal.
Spottiswoode-Cusack Co., stone producers, Orange, N. J.
Spowage, James, Co., contrs., Sioux City, Ia.
Spracklin Boiler & Mach. Co., Trenton, N. J.
Sprackling, A. E., architect, Caxton Bldg., Cleveland, Ohio.
Spradlin, W. H., architect, Fulton, Ky.
Sprague, A. O., flour mills, St. Francis, Ark.

gue Bros., bldg. contrs., Portland, Ore.
gue Bros., machinists, Bakersfield, Cal.
gue Canning Machinery Co., 222 N. Wabash av, Chicago, Ill.
gue, E. H., common brick, Elkhorn, Wis.
gue, E. S., archl. iron, 318 W. Austin av, Chicago, Ill.
gue Elec. Wks. of Gen'l Elec. Co., 527 W. 34th, New York.
gue Fdry. & Mfg. Co., Council Bluffs, Ia.
gue, H. L., architect, 310 Main, Springfield, Mass.
gue & Henwood, contractors, Scranton, Pa.
gue Iron Wks., 318 W. Austin av, Chicago, Ill.
gue, J. P., Co., contrs.' supplies, Rialto supp., Rialto Bldg., Kansas City, Mo.
gue, L.. Co., machsts., Lawrence, Mass.
gue Meter Co., machsts., Bridgeport, Conn.
gue, Smith Co., plate glass, 164 W. Randolph, Chicago, Ill.
gue Umbrella Co. See Norwalk Auto Parts Co. (successor).
gue, Wm., & Co., machsts., 630 Filbert, Philadelphia, Pa.
ng, Wm., machinist, Loudonville, Ohio.
ager Wire & Wheel Co. See Detroit Wire & Wheel Co. (successor).
nkle Co., contractors, Oklahoma, Okla.
ts Patent (Ltd.), dog biscuits, 14 Congress, Newark, N. J.
**AY ENGINEERING CO.**, engineers for spray cooling systems, irrigating systems, aerating reservoirs, air conditioning, gas washing; mfrs. of air washing equipment, spray cooling equipment, paint spraying equipment, flow meters, park sprinklers & nozzles for all purposes, 93 Federal, Boston, Mass. *See adv. index at end of book*
her Lumber Co., Independence, Wis.
her's, I. G., Sons, sash weights, Ephrata, Pa.
kles Sugar Co., 60 California, San Francisco, Cal.
ger, Jos., & Sons, steel plate wk., 1186 W. Jefferson, Detroit, Mich.
sterbach & Cramer, cornices, Alamosa, Colo.
g City Foundry Co., Waukesha, Wis.
g City Mill Co., flour, Spring City, Tenn.
g Construction Co., Berkeley, Cal.
g Creek Roller Mill Co., flour, Huntersville, Ky.
g, G. W., sashes, doors & blinds, Crooksville, Ohio.
g Garden Brick Co., (Ltd.), brick, York, Pa.
g Garden Marble & White Lime Co., St. Louis, Mo.
g Handle Co., carpet beaters, Abingdon, Ill.
g Hill Fuel Co., masons' & bldrs.' matls., Seattle, Wash.
g Hope Cotton Oil Co., Spring Hope, N. C.
g Leaf Lubricator Co., spreaders, Ann Arbor, Mich.
g Perch Co., machsts., Bridgeport, Conn.
g River Stone Co., Carthage, Mo.
g Snap Fastener Co., 16 W. 39th, New York.
g Steel Fence & Wire Co., Anderson, Ind.
g Valley Iron Co., Wellston, Ohio.
g Valley Packing Co., Spring Valley, Ohio.
g Valley Stave & Heading Co., wagon spokes, Spring Valley, Wis.
gbrook Canning Co., Springbrook, Ore.
ger Bros. Mfg. Co., agric. implement mfrs., Edwardsville, Ill
ger & Hargitt, speed limit engine stops, Hamilton, Ohio.
ger, J. S., brick, Celina, Ohio.
ger, Sam'l, contr., Alton, Ill.
ger & Rogers, contractors, New Philadelphia, Ohio.
ger, W. E., & Co., whol. hdwe., Wilmington, N. C.
ger-Whitaker Fdry. Co., Terre Haute, Ind.
gets Mills, paper, York, Pa.
gfield Abbatoir Co., meat packers, Springfield, Ohio.
gfield Auto. Top & Upholstering Co., Springfield, Mass.
gfield Belting & Supply Co., Springfield, Mass.
gfield Blanket Co., Holyoke, Mass.
gfield Boiler Co., boilers, Springfield, Ill.
gfield Brass Co., machsts. & fndrs., Springfield, Ohio, & Springfield, Vt.
gfield Brick Co., Springfield, Mass.
gfield Clay Mfg. Co., flower pots, Springfield, Ohio.
gfield Coal & Ice Co., masons' & bldrs.' matls., Springfield, Ohio.
gfield Coffin & Casket Co., Springfield, Ohio.
gfield Commercial Body Co., 367 Worthington, Springfield, Mass.
gfield Contractors' Supply Co., masons' & bldrs.' matls., Springfield, Mass.
gfield Elec. Co., knife switches, Springfield, Mass.
gfield Facing Co., charcoal, foundry facings & supplies & case hardening compound, 315 Main, Springfield, Mass. *See adv. index at end of book.*
gfield Foundry Co., 3215 Smallman, Pittsburgh, Pa., & Springfield, Mass.
gfield Gas Fixture Co., Springfield, Ohio.
gfield Hardware Co., dealers, Springfield, Ohio.
gfield Harness Co., carriage joints, Springfield, Mass.
gfield Incubator Co., Springfield, Ohio.
gfield Iron Works, machsts., Springfield, Mass.
gfield Lbr. Co., Springfield, La.
gfield Mach. Co., Springfield, Mass.
gfield Machine Tool Co., lathes & shapers, Springfield, O.
gfield Malleable Iron Co., castings, Springfield, Ohio.
gfield Mfg. Co., emery & corundum wheel mfrs., Bridgeport, Conn.
gfield Mattress Co., Springfield, Ill.
gfield Metallic Casket Co., metallic burial cases, Springfield, Ohio.
Springfield Milling Co., flour, Springfield, Minn.
Springfield Paving Brick Co., Springfield, Ill.
Springfield Planing Mill & Lumber Co., Springfield, Ohio.
Springfield Planing Mill & Lumber Const. Co., Springfield, Mo.
Springfield Plumbing Co., Springfield, Mo.
Springfield Provision Co., meat packers, Springfield, Mass.
Springfield Rendering Co., soap, Springfield, Mass.
Springfield Spring Co., Springfield, Ohio.
Springfield Stone & Fuel Co., masons' & bldrs.' matls., Springfield, Mo.
Springfield Tool Co., special tools, 125 Dwight, Springfield, Mass.
Springfield Wagon Co., Springfield, Mo.
Springfield Waste Co., Springfield, Mass.
Springfield Webbing Co., Springfield, Mass.
Springfield Wire Screen Co., Springfield, Ill.
Springfield Woolen Mills Co., woolen blankets, Springfield, Tenn.
Springman Paper Products Co., easels, gaskets, paper, 75 W. Larned, Detroit, Mich.
Springman's, J. T., Sons, machinists, 904 7th, S. W., Washington, D. C.
Springsted & Adamson, contractors, 434 E. 107th, New York.
Springsteen Bros., contractors, Haverstraw, N. Y.
Springsteen, Geo. W., Jr., architect, 32 Union sq, New York
Springston Lumber Co., sash, door & blind mfrs., Spokane, Wash.
Springton Lbr. Co., Springton, Idaho.
Springville Canning Co., Springville, N. Y., & Springville, Utah.
Springwells Clay Pipe Co., Orion, Mich.
Sproul, E. W., Co., contrs., W. 39th & Robey, Chicago, Ill.
Sproul & MucGurrin Co., steam fitters' supplies, Grand Rapids, Mich.
Sproul Matt. Co., agricultural implements, Sparta, Ill.
Sprout, Waldron & Co., mill & facty. supplies, Muncy, Pa.
Spruance-Gilbert Co., varnish mfrs., 312 N. 3d, Philadelphia, Pa.
Spruck, Henry, & Son, contractors, 304 Broad, Stapleton, N. Y.
Spruks Bros., contractors, Scranton, Pa.
Sprung, Harry J., architect, Rockaway Park, Long Island, N. Y.
Spry Lumber Co., 111 W. Monroe, Chicago, Ill.
S. P. Stove Co., elec. cooking app., Wilmette, Ill.
Spuck Iron & Fdry. Co., 14th & Branch, St. Louis, Mo.
Spurbeck-Lambert Co., tubs, butter, Algona, Iowa.
Spurgin **Mfg. Co.**, baths, blotter, 7011 Vincennes av, Chicago, Ill.
Spurr, E. W., Co., masons' & bldrs.' matls., Lakeville, Conn.
Spurr, J. J., & Sons, stone, Harrison, N. J.
Spuyten Duyvil Const. Co., 271 W. 125th, New York.
Square D Co., knife switches & panel board cabinets, 1411 Ribard, Detroit, Mich.
Square Turn Tractor Co., Norfolk, Nebr.
Squibb-Carter-Squibb Co., corn millers & mfg. chemists, Lawrenceburg, Ind.
Squibb, E. R., & Sons, cresol imptrs., 78 Beekman, New York.
Squier & Co., lumber, Monson, Mass.
Squier, Ed. E., Co., fdry. facings & supplies, Federal Reserve Bank Bldg., St. Louis, Mo.
Squier, Geo. L., Mfg. Co., rice & coffee hulling machy., evaporators, Buffalo, N. Y.
Squire, John P., & Co., meat packers, Cambridge, Mass.
Squire, Jno. R., Co., cornices, Youngstown, Ohio.
Squires, A. J., stone producers, Hulberton, N. Y.
Squires, B., flour mills, Cloverport, Ky.
Squires & Byrne Rubber Co., packing mfrs., mill & facty. supp., San Francisco, Cal.
Squires, C. E., Co., steam traps, etc., Kelly av, Cleveland, Ohio.
Squires, C. W., Mfg. Co., elec. track switches, Beverly, Mass.
Squires, Chas. W., architect, Emporia, Kans.
Squires, Frank C., architect, 628 Kansas av, Topeka, Kans.
Squires, Walter L., contractor, Hartford, Conn.
Squirrel Hill Brick Co., Haldane & Connor, Pittsburgh, Pa.
S. R. Mfg. Co., gasoline engines & hdwe., Schenectady, N. Y.
S. & S. Automatic Grate Co., 320 N. Water, Chicago, Ill.
S. & S. Contracting Co., 15 Park Row, New York.
Staab, G., soap, 54 Royal, Pittsburgh, Pa.
Staab, Wm. E., architect, Glenridge, N. J.
Staar, Frank, cornices, 1473 N. Halsted, Chicago, Ill.
Staats, C. B., & Son, contractors, 242 10th, E., Salt Lake City, Utah.
Staats, Geo., & Co., mchsts. & fndrs., 74 Bayard, B'klyn, N. Y.
Staats, W. H., Co., change-making machs., Cohoes, N. Y.
Stabell, Jos. F., Co., contractors, 1127 Niagara, Buffalo, N. Y.
Stabley, W. H., lumber, Felton, Pa.
Stacey Bros. Gas Construction Co., Sta. P, Cincinnati, Ohio.
Stacey Mfg. Co., gas holders, steel plate work, etc., Township av & Big 4 R. R., Elmwood, Cincinnati, Ohio.
Stack Const. Co., Duluth, Minn.
Stack Heater Co., water heating, 78 Portland, Worcester, Mass.
Stack, Jno. K., architect, 308 E. Lafayette av, Baltimore, Md.
Stack Lbr. Co., Masonville, Mich.
Stackhouse, Rex H., architect, 129 S. 5th, Phila., Pa.
Stackpole Carbon Co., St. Marys, Pa.
Stacy, E. S., Machine Co., mill & facty. supp., Springfield, Mass
Stacy, Eugene C., load binders, Tiffin, Ohio
*See adv. index at end of book*
Stacy, Harry H., architect, Leominster, Mass.
Staddon, Donald R., & Co., industrial chemists & engrs., 104-106 John, New York.
Stadel, G., & Co., architects, Stamford, Conn.
Stader, Conrath, Constr. Co., Erie, Pa.

Stadier, J. L. H., Rendering & Fertilizer Co., 908 Denison av, N. W., Cleveland, Ohio.
Stadsvold, S. S., flour, Fosston, Minn.
Staege & Dewey, architects, Charlebois Bros. Bldg., Watertown, N. Y.
Staehlin, Gustavus, architects, 810 Broad, Newark, N. J.
Stafford Co., mchsts. & fndrs., looms, Readville, Mass.
Stafford-Crandall Packing & Fishing Co., Wilmington, Cal.
Stafford, E. H., Mfg. Co., furniture, 218 S. Wabash av, Chicago, Ill.
Stafford & Holt, mchsts., Little Falls, N. Y.
Stafford, John, contractor, 1112 Chestnut, Philadelphia, Pa.
Stafford Milling Co., flour, Martin, Tenn.
Stafford Motor Car Co., auto. bldrs., Kansas City, Mo.
Stafford, Nelson, Co., stencils, 67 Fulton, New York.
Stafford, S. S., paste, typewriter ribbons, 609 Wash'n, New York.
Stafford, Wright & Son, stacks, tanks, boilers, etc., Lawrence, Mass.
Stafford's, Jas., Sons, horse & woolen blankets, Kram's av, Philadelphia, Pa.
Stag Co., sharpening machines, 329 Plymouth, Chicago, Ill.
Stagg, Geo. T., Co., distillers, Frankfort, Ky.
Stagg, J. P., masons' & bldrs.' matls., who. hardware, Anaconda, Mont.
Stagg, Thos. E., & Son, sash, door & blind mfrs., Henrico Co., Richmond, Va.
Stagnaro Art Glass Wks., glass stainers, 10th & Webster, Oakland, Cal.
Stahl & Carson, contractors, Ella bl., Wyoming, Phila., Pa.
Stahl Gear & Machine Co., 1390 E. 40th, Cleveland, Ohio.
Stahl, Geo., architect, Ozone Park, N. Y.
Stahl, Geo. H., incubators & brooders, Quincy, Ill.
Stahl, H. E., mchsts., Trenton, N. J.
Stahl & Kinsey, architects, McKerchy bldg, Detroit, Mich.
Stahl Mfg. Co., lubricators, 983 17th av, S. E., Minneapolis, Minn.
Stahl, Otto, meat packers, 2332 3d av, New York.
Stahl Rectifier Co., 1401 W. Jackson, Chicago, Ill.
Stahl & Rudolph, flour mills, Barlow, Ky.
Stahl Sprayer Co., Quincy, Ill.
Stahl, Wm., Sprayer Co., pumps, Quincy, Ill.
Stahlburg, G., architect, 544 Market, San Francisco, Cal.
Staiger Hardware Co., Michigan City, Ind.
Staiman Bros., scrap rubber, Williamsport, Pa.
Stainthorpe, C. N., & Co., contr., mason' & bldrs.' matls., Lockport, N. Y.
Stair, Robert A., architect, York, Pa.
Staker, Chas E., contractor, 687 E. 219th, New York.
Stalcup, E. L., agricultural implements, Unionville, Mo.
Stalcup Mach. Shop & Garage, Unionville, Mo.
Staley, A. E., Mfg. Co., starch mfrs., Decatur, Ill.
Staley Elec. Elev. & Mach. Co., 153 Greene, New York.
Staley, H. B., Co., flour mills, Marion, Va.
Staley's Creek Manganese & Iron Co., Marion, Va.
Stalker, G. H., sash, door & blind mfrs., Rochester, N. Y.
Stalker Mfg. Co., bridle bits, 71 W. B'way, New York.
Stall Bros., brick, Arcadia, Ohio.
Stall & Dean Mfg. Co., baseball gloves, 855 Elston av, Chicago, Ill.
Stall & Dean Mfg. Co., sporting & athletic goods, Brockton, Mass.
Stallings, A., contr., Suffolk, Va.
Stallman, F. A., trunks, 57 E. Spring, Columbus, Ohio.
Stallman, F. O., Supply Co., machinery dealers, First, at Natoma, San Francisco, Cal.
Stallsmith, Geo. W., sash, door & blind, Gettysburg, Pa.
Stalnaker Steel Co., scrap, Frick Bldg., Pittsburgh, Pa
Stalnaker, W. S., masons' & bldrs.' matls., Logansport, Ind.
Stambaugh-Thompson Co., mill & factory supplies, wholesale hardware, Youngstown, Ohio.
Stamets, Wm. K., mill & facty. supplies, Jenkins Arcade, Pittsburgh, Pa.
Stamford Foundry Co., Stamford, Conn.
Stamford Gas Stove Co., Stamford, Conn.
Stamford Iron Works, Stamford, Conn.
Stamford Jobbing Fdy. Co., Stamford, Conn.
Stamford Extract Mfg. Co., chemicals, 88 Wall, New York.
Stamford Masons' Supply Co., Stamford, Conn.
Stamford Mill & Elevator Co., flour, Stamford, Tex.
Stamford Motor Co., Stamford, Conn.
Stamford Oil Mill Co., meal, Stamford, Tex.
Stamford Rolling Mills Co. brass discs, sheet copper & brass mills, 347 Madison av, New York, & Springdale, Conn.
Stamford Rubber Supply Co., chloride of sulphur & rubber substitutes, Stamford, Conn.
Stamler, E., architect, Lexington, Ky.
Stamley & Scheibel, architects, Wick Bldg., Youngstown, Ohio.
Stamm, Jacob, flour mills, Iuka, W. Va.
Stamm Machine Works, Aurora, Ind.
Stamm, Max., scrap iron, Paterson, N. J.
Stamm, Scheele Mfg. Co., Ltd., Rayne, La.
Stamp, J. M., lumber, Bonnieville, Ky.
Stamping & Tool Co., machinists & founders, La Crosse, Wis.
Stanard Tilton Milling Co., cereal foods, Pierce Bldg., St. Louis, Mo.
Stanchfield, H. J., & Co., mill & facty. supplies, Lawrence, Mass.
Stancliff Well Screen & Mfg. Co., Houston, Tex.
Standard Accident Insurance Co., 35 W. Fort, Detroit, Mich.

Standard Acid Works, Continental Bldg., Baltimore, Md.
Standard Action Co., piano action, Cambridge, Mass.
Standard Adding Mach. Co., Forest Park Bldg. & Spring a St. Louis, Mo.
Standard Alloys Co., tool steel, Vanadium Bldg., Pittsburgh, P
Standard Aluminum Co., machsts., Two Rivers, Wis.
Standard American Dredging Co., Central Bldg., Los Angele Cal.
Standard Architectural Iron Works, 2300 Bloomingdale a Chicago, Ill.
Standard Arms Mfg. Co., machsts., Wilmington, Del.
Standard Art Glass Co., 237 Lafayette, New York.
Standard Asbestos Co., 75 Fulton, New York.
Standard Asbestos Mfg. Co., pipe covering, 822 W. Lake, Ch cago, Ill.
Standard Asphalt & Rubber Co., 208 S. La Salle, Chicago, Ill.
Standard Auger Co., 57 W. 34th, Chicago, Ill.
Standard Auto Accessory Co., Leipsic, Ohio.
Standard Automatic Machine Co., package sealing machines, et Rochester, N. Y.
Standard Automatic Tool Co., auto parts & pistons, Racine, Wi
Standard Bedding Co., mattresses, 113 Chicago, Milwaukee, Wi
Standard Bithulithic Co., asphalt block paving contrs., 5 Church, New York.
Standard Blue Stone Co., 76 Montgomery, Jersey City, N. J.
Standard Boiler & Plate Iron Co., Niles, O.
Standard Boiler Works, tubular, Seattle, Wash.
Standard Bolt Co., Columbus, Ohio.
Standard Bone Cutter Co., Milford, Mass.
Standard Box Co., Bryant & Beale, San Francisco, Cal.
Standard Box & Lumber Co., Portland, Ore.
Standard Braid Co., cotton banding, etc., Attleboro Falls, Mas
Standard Brake Shoe & Fdy. Co., Pine Buff, Ark.
Standard Brass & Aluminum Foundry Co., 990 E. 67th, Clev land, Ohio.
Standard Brass & Aluminum Foundry Co., castings, Syracus N. Y.
Standard Brass & Bronze Mfg. Co., shade holders, 813 Libert Pittsburgh, Pa.
Standard Brass Casting Co., Oakland, Cal.
Standard Brass & Copper Tube Co., New London, Conn.
Standard Brass Fdry., Anderson, Ind.
Standard Brass & Iron Works, 1820 St. Paul av, Milwaukee Wis.
Standard Brass Mfg. Co., machsts., Utica, N. Y.
Standard Brass Works, mchsts. & brass fndrs., 98 Wight, De troit, Mich.
Standard Brazing Co., 43 Bromfield, Boston, Mass.
Standard Brick Co., Augusta, Ga.; Charleston, W. Va.; Crawfordsville, Ind.; Los Angeles, Cal.; Macon, Ga., & 496 Clement av, Milwaukee, Wis.
Standard Brick Mfg. Co., Evansville, Ind.
Standard Brick & Tile Co., 81 4th, Portland, Ore.
Standard Bridge Co., City Nat. Bk. Bldg., Omaha, Neb.
Standard Brush Co., New Hartford, Conn.
Standard Building Material Co., Elizabeth, N. J.
Standard Butter Cutter Co., 244 Greenwich, New York.
Standard Button Works, 417 6th av, New York.
Standard Cabinet Mfg. Co., Peru, Ind.
Standard Calorimeter Co., East Moline, Ill.
Standard Canning Co., Noblesville, Ind.
Standard Car Truck Co., machsts., 332 S. Michigan av, Chicago, Ill.
Standard Car Wheel Co., 6704 Bessmer, Cleveland, Ohio.
Standard Carriage Co., Denver, Colo.
Standard Cash Register Co., North Manchester, Ind.
Standard Cast Iron Pipe & Fdry. Co., Bristol, Pa.
Standard Castings Co., mchsts. & fndrs., Lansing, Mich.
Standard Cedar & Lumber Co., 511 Lumber Ex., Minneapolis Minn.
Standard Charcoal Co., Bradford, Pa.
Standard Chemical Co., foot 12th av, Oakland, Cal.
Standard Chemical Co., coal tar products & toluol, Tacoma Wash.
Standard Chemical Co., disinfectants & insecticides, 728 Frankfort av, Cleveland, Ohio.
Standard Chemical Co., metal & furniture polish, compounds, etc., Houston, Tex.
Standard Chemical Co., terpineol, Bayonne, N. J.
Standard Chemical Co., Vanadium Bldg., Pittsburgh, Pa.
Standard Chemical Co., 310 California, San Francisco, Cal.
Standard Chemical Corp., boiler compounds, Kalamazoo, Mich.
Standard Chemical & Oil Co., fertilizer mfrs., Troy, Ala.
Standard Chemical & Supp. Co., soap powders, 160 Second, Boston, Mass.
Standard Chemical & Supply Co., mfrs. soap, soap powder & cleansing materials, 172 Second, E. Cambridge, Mass.
Standard Chemicals & Metal Corp., 46 Cedar, New York.
Standard Churn Co., Wapakoneta, Ohio.
Standard Cleaner Co., 136 W. Lake av, Chicago, Ill.
Standard Clothes Dryer Co., Worcester, Mass.
Standard Coach Pad Co., Wooster, Ohio.
Standard Coal Co., Framingham, Mass.
Standard Coffin & Casket Mfg. Co., 1029 W. Chicago av, Chicago, Ill.
Standard Comb Co., Leominster, Mass.
Standard Computing Scale Co., 30 Library, Detroit, Mich.

andard Concrete Construction Co., 108 S. La Salle, Chicago, Ill.
andard Concrete Steel Co., Knickerbocker Bldg., Baltimore, Md., & 413 E. 31st, New York.
andard Construction Co., contractors, 42 Church, New Haven, Conn., & Farmers' Bk. Bldg., Pittsburgh, Pa.
andard Construction Co., Plymouth Bldg., Minneapolis, Minn.
andard Construction Co., 1713 Sansom, Philadelphia, Pa.
andard Constructing Co., Altoona, Pa.
andard Conveyor Co., St. Paul, Minn.
andard Coupler Co., coupler & draft gear, 30 Church, New York
andard Crayon Mfg. Co., crayon mfrs., Danvers, Mass.
andard Cross Tie Mach. Co., New Orleans, La.
andard Crucible Steel Casting Co., 719 30th, Milwaukee, Wis.
andard Crushed Rock Co., crushed rock, 9 Main, San Francisco, Cal.
andard Detroit Tractor Co., traction engines, 1506 Fort W., Detroit, Mich.
andard Diamond Drill Co., machsts., 38 S. Dearborn, Chicago, Ill.
andard Die Co., machsts., 1019 Vine, Cincinnati, Ohio.
andard Die & Stamping Co., Arrott Power Bldg., Pittsb'g, Pa.
ndard Door & Sash Co., Los Angeles, Cal.
ndard Drinking Cup Co., paper cups, Pittsburgh, Pa.
ndard Drop Forge Co., Balboa Bldg., San Francisco, Cal.
andard Dry Kiln Co., Indianapolis, Ind.
ndard Egg Co., beaters, 26 So. Market, Boston, Mass.
ndard Elec. Appliance Co., heating pads, Beverly, N. J.
ndard Elec & Elevator Co., Inc., 118 E Pratt, Baltimore, Md.
ndard El. Fittings Co., junction boxes, Stamford, Conn.
ndard Elec. Lamp Co., 67 Hamilton, Newark, N. J.
ndard Elec. Mfg. Co., 216 N. Clinton, Chicago, Ill.
ndard Elec. Nov. Co., cooking app., 730 W. Randolph, Chicago, Ill
ndard Elec. Stove Co., cooking app., 1720 N. 12th, Toledo, Ohio.
ndard Electric Time Co., electric clock & signal system mfrs., 89 Logan, Springfield, Mass.
ndard Electric Tool Co., portable electric drills, York & Western av, Cincinnati, Ohio
ndard Elevator Interlock Co., 16th & Sansom, Phila., Pa.
ndard Elsmere Granite Co., laundry tubs, 1752-56 N. Spaulding av, Chicago, Ill.
ndard Emblem Co., pins, 1 Madison av, New York.
ndard Engng. Co., machsts. & fndrs., Ellwood City, Pa.
ndard Engineering Co., 11 Pine, New York.
ndard Engng. & Const. Co., Dallas, Tex.
ndard Engineering Wks., hand milling mach. mfrs., Pawtucket, R. I.
ndard Envelope Co., 296 B'way, New York, & 257 Diamond, Philadelphia, Pa.
ndard Envelope Sealer Mfg. Co., Somerville, Mass.
ndard Equip. Co., auto parts, Lorain & W. 106th, Cleveland, Ohio.
ndard Equipment Co., mill & facty. supplies, Mobile, Ala.
ndard Equipment Co., ore & cinder grinding & crushing machines & special mining & foundry equipment mfrs., sand blast machines & equipment, 184 Church, New Haven, Conn.
ndard Export Lumber Co., Whitney Central Bldg., New Orleans, La.
ndard Extinguisher Co., 24 Binford, Boston, Mass.
ndard Felt Co., 404 S. Wells, Chicago, Ill.
ndard Felt Co., felts & piano hammers, Alhambra, Cal.
ndard Fence Co., wire & iron wks., 310 12th, Oakland, Cal.
ndard Fertilizer Co., Gainesville, Fla., Los Angeles, Cal., & Meigs, Ga.
ndard Fibre Co., vulcanized fibre sheets, tubes, rods, washers, etc., mfrs., Somerville, Mass.
ndard Fire Brick Co., Empire & Irondale, Ohio; Diamond Bk. Bldg., Pittsburgh, Pa., & Pueblo, Colo.
ndard Fire Clay Co., common brick, Fallston, Pa.
ndard Fire Clay Co., New Brighton, Pa.
ndard Fire Escape Co., 166 N May, Chicago, Ill.
ndard Fireproof Sash & Door Co., 16 Eckford, B'klyn, N. Y.
ndard Flaked Food Co., Owosso, Mich.
ndard Forgings Co., 80 E. Jackson blvd, Chicago, Ill.
ndard Foundry, Oakland, Cal.
ndard Foundry Co., Anniston, Ala.; Buffalo, N. Y.; Dayton, Ohio; Hartford, Conn.; Racine, Wis., & Worcester, Mass.
ndard Foundry Co., 984 Central av, N. E., Minneapolis, Miss.
ndard Fdry. Co., Inc., grey iron castings, Bound Brook, N. J.
dard Foundry & Mfg. Co., 2717 E. 75th, Cleveland, Ohio. & De Kalb, Ill.
dard Fuel Engng. Co., heat treating furnaces, 1644 Wood-75 W. Baltimore, Detroit, Mich.
ndard Fuel Oil Engine Co., Willoughby, Ohio.
ndard Furnace & Range Co., Louisville, Ky.
ndard Furnace & Supply Co., Omaha, Neb.
ndard Furniture Co., Herkimer, N. Y.
ndard Galvanizing Co., hot process galvanizing, 2619 W. Van Buren, Chicago, Ill.
ndard Gas Engine Co., Oakland, Cal.
ndard Gas Power Co., gas producers & engines, 17 Battery pl, New York
dard Gas Products Co., welding & cutting apparatus, Atlanta, Ga.

Standard Gauge Steel Co., cold drawn steel, Beaver Falls, Pa.
Standard Glass Co., bottles, Marion, Ind.
Standard Glass Co., 2533 Cottage Grove av, Chicago, Ill.
Standard Glass & Paint Co., Des Moines, Ia.
Standard Glass Specialty Co., laboratory apparatus, Morgantown, W. Va.
Standard Glue Co., Caton & Cottage av, Baltimore, Md.
Standard Gramaphone Appliance Co. 237 Lafayette, New York
Standard Granitine Wks., laundry tubs, 1752-1756 N. Spaulding av, Chicago, Ill.
Standard Guano & Chemical Mfg. Co., nitrate of soda, New Orleans, La.
Standard Handle Co., 183 W. Houston, New York.
Standard Hardwood Lumber Co., Buffalo, N. Y.
Standard Heating Co., htg. contrs. & mill supps., Hoboken, N. J.
Standard Heating & Radiator Co., gas burners, Penn & Barbeau, Pittsburgh, Pa.
Standard Heel & Counter Co., Carr & 11th, St. Louis, Mo.
Standard Hoop Co., Ltd., Bay City, Mich.
Standard Horse Nail Co., New Brighton, Pa.
Standard Horse Shoe Co., Boston, Mass.
Standard Improved Truck Co., 20 W. Jackson blvd, Chicago, Ill.
Standard Index Card Co., 709 Arch, Philadelphia, Pa.
Standard Ink & Color Co., printing wks., 129 Atkins, Brooklyn, N. Y.
Standard Iron Co., blast furnaces, Nashville, Tenn.
Standard Iron Foundry, machsts. & fndrs., 53 Dobbin, Brooklyn, N. Y.
Standard Iron & Wire Works, bank railings, Chattanooga, Tenn.
Standard Iron & Wire Works, 489 12th, Milwaukee, Wis.
Standard Iron Works, machsts. & fndrs., Spartanburg, S. C.
Standard Iron Works, 508 E. 74th, New York & San Diego, Cal
Standard Iron Works Co., arch'l & structural steel for bldgs., etc., New Haven, Conn.
Standard, J. B., architect, Ingle Blk., San Diego, Cal.
Standard Knitting Co., sweaters, cardigans, 2202 Superior av, N. E., Cleveland, Ohio.
Standard Leather Dressing Co., Trenton, N. J.
Standard Lime & Stone Co., Equitable Bldg., Baltimore, Md., & Fond Du Lac, Wis.
Standard Linseed Co., oils car, Willey & Big 4 & R. R., Cleveland, Ohio.
Standard Lock Co., elec. door openers, 113 Himrod, Brooklyn, N. Y.
Standard Lumber Co., Birmingham, Ala.; Live Oak, Fla.; Hawkinsville, Ga.; Moscow, Idaho; Sonora, Cal.; Winona, Minn., & Northport, Wash.
Standard Lumber Yard Co., Dubuque, Ia.
Standard Mach. Co., Dayton, Ohio.
Standard Machine Co., hosiery knitting machines, 330 N. 112th, Philadelphia, Pa.
Standard Mach. & Elec. Co., Indianapolis, Ind.
Standard Mach. Key Mfg. Co., Poughkeepsie, N. Y.
Standard Mach. Mfg. Co., Carthage, Mo.
Standard Mach. Tool & Supply Co., 1st & Main, Kansas City, Mo.
Standard Machy. Co., gas tractors, Schleisingerville, Wis.
Standard Machy. Co., Mystic, Conn., & Providence, R. I.
Standard Machinery & Equip. Co., machsts. & fndrs, Guardian Bldg., Cleveland, Ohio.
Standard Malleable Iron Co., Muskegon, Mich.
Standard Mfg. Co., bank fixture, furniture, etc., Appleton, Wis.
Standard Mfg. Co., boxes, Council Bluffs, Ia.
Standard Mfg. Co., brazing compounds, 318 S. Canal, Chicago, Ill.
Standard Mfg. Co., canvas gloves, Lockport, N. Y.
Standard Mfg. Co., hand vacuum cleaners, Syracuse, N. Y.
Standard Mfg. Co., hinges, etc., Shelby, Ohio.
Standard Mfg. Co., ironing boards & folding chairs, Cambridge City, Ind.
Standard Mfg. Co., machsts. & fndrs., Auburn, Ind.
Standard Mfg. Co., plumbers' supplies—jobbers, 439 Water, Pittsburgh, Pa.
Standard Mfg. Co., road oilers or distributers, Worcester, Mass.
Standard Mfg. Co., window display fixtures, Xenia, Ohio.
Standard Mfg. Co., woolen & steel tray barrows, ash cans, 41 Cortlandt, New York.
Standard Mfg. & Supply Co., asbestos, rubber, fibre, etc., gaskets, 30 N. 4th, Philadelphia, Pa. *See adv. index at end of book*
Standard Mfg. & Supply Co., fndrs., Rhode Island & Alameda, San Francisco, Cal.
Standard Marble Co., Rome, Ga.
Standard Marble Works, 706 W. Front, Cincinnati, Ohio.
Standard Material Co., masons' & bldrs.' matls., 607 W. 66th, Chicago, Ill.
Standard Meat & Live Stock Co., Denver, Colo.
Standard Mechanical Equip. Co., switchboards, stage lights & wire reels, Dallas, Tex.
Standard Metal Bed Refinishing Co., machsts. & fndrs., Foreland & James, N. S, Pittsburgh, Pa.
Standard Metal Co., 135 S. Pennsylvania, Indianapolis, Ind.
Standard Metal Mfg. Co., auto. & phonograph horns, rectifiers, 237 Chestnut, Newark, N. J.
Standard Metal Spinning Co., shade holders, 138 Mott, New York.
Standard Metal Work Co., presses, manifolds, pressed steel, stamping wks. & tapered tubing, Thompsonville, Conn.

Standard Meter Co., 3117 N. 17th, Philadelphia, Pa.
Standard Meter & Mfg. Co., 433 W. 42d, New York.
Standard Mill Supply Co., 39 Exchange pl. Providence, R. I.
Standard Mosaic Tile Co., 525 S. Peoria, Chicago, Ill.
Standard Motor Construction Co., engines, 180 Whiton, Jersey City, N. J.
Standard Motor Truck Co., 1842 Euclid av, Cleveland, Ohio; 496 Bellevue av, Detroit, Mich., & Frick Bldg., Pittsburgh, Pa.
Standard Music Roll Co., Orange, N. J.
Standard Natural Ventilator Co., Merchants & Mfrs. Bank Bldg., Milwaukee, Wis.
Standard Nov. Works, porch swings, sleds, etc., Duncannon, Pa.
Standard Nut & Bolt Co., Valley Falls, R. I.
Standard Oil Cloth Co., 320 B'way, New York.
Standard Oil Co., 910 S. Michigan av, Chicago, Ill., & 26 B'way, New York.
Standard Oil Co. of Cal., 200 Bush, San Francisco, Cal.
Standard Oil Co. of Kentucky, lubrg. oils, Louisville, Ky.
Standard Oil Co. of La., Baton Rouge, La.
Standard Oil Co. of Ohio, E. Ohio Gas Bldg., Cleveland, Ohio.
Standard Oil Engine Co., Bridgeport, Conn.
Standard Oil Soap Co., liquid soap & furniture polish, 45 N. Division, Buffalo, N. Y.
Standard Oiled Clothing Co., 152d & Union av, New York.
Standard Optical Co., Geneva, N. Y.
Standard Oven Co., Oliver Bldg., Pittsburgh, Pa.
Standard Oxygen Co., 216 E. 42d, New York.
Standard Package Co. of N. Y., 109 Broad, New York
Standard Paint & Lead Wks., Cleveland, Ohio.
Standard Paint Co., 233 B'way, New York.
Standard Paper Co., Kalamazoo, Mich.
Standard Paper Mfg. Co., paper mfrs., Richmond, Va.
*See adv index at end of book.*
Standard Parts Co., The, motor, vehicle, aeroplane parts, etc., Cleveland, Ohio.
Standard Pattern Co., 28th & Spruceway, Pittsburgh, Pa.
Standard Pattern Works, 144 Fort E., Detroit, Mich.
Standard Pattern Works Co., 5332 St. Clair av, Cleveland, O.
Standard Paving Co., contrs., San Antonio, Tex.
Standard Paving Co., 326 W. Madison, Chicago, Ill.
Standard Pearl Button Wks., 9814 Denison, Cleveland, Ohio.
Standard Pearl Works, buttons, Newark, N. J.
Standard Pencil Co., advtg. novelties, 1824 Locust, St. Louis, Mo.
Standard Pipe Covering Co., 3748 E. 71st, Cleveland, Ohio.
Standard Planing Mill Co., Ashland, Ky.
Standard Planing Mill Co., tanks, Lincoln, Neb.
Standard Plate Glass Co., window glass, mirrors & all kinds of glass for stuct'l bldg. purposes, 30 Sudbury, Boston, Mass.
Standard Plating Works, electro plating, 446 N. 12th, Phila., Pa.
Standard Plating Works, York, Pa.
Standard Player Hdwe. Co., 512 W. 36th, New York.
Standard Playing Card Mfg. Co., 345 W. Austin av, Chicago, Ill.
Standard Plumbing Supply Co., St. Anns av & 159th, New York.
Standard Pneumatic Action Co., 638 W. 52d, New York.
Standard Portland Cement Co., Charleston, S. Car.
Standard Portland Cement Corp'n, Crocker Bldg., San Francisco, Cal.
Standard Pottery Co., East Liverpool, Ohio.
Standard Powder Co., 2d Nat. Bk. Bldg., Pittsburgh, Pa.
Standard Pressed Steel Co., 20th & Indiana, Philadelphia, Pa.
Standard Printing Co., coin wrappers, Pittsburgh, Pa.
Standard Printing Ink Co., 1644 Providence, Cincinnati, Ohio.
Standard Publishing Co., gummed labels, Vineland, N. J.
Standard Pulley Co., 1734 Power, Cincinnati, Ohio.
Standard Pump & Engine Co., 798 Carroll, Akron, Ohio.
Standard Radiator Co., Inc., Springville, N. Y.
Standard Ry. Equipment Co., 20 W. Jackson blvd., Chicago, Ill.
Standard Ry. Gate Co., signals, Saginaw, Mich.
Standard Ry. Supp. Co., 4229 Fergus, Cincinnati, Ohio.
Standard Range & Stove Co., 32 Union, Boston, Mass.
Standard Red Cedar Chest Co., Altavista, Va.
Standard Refining Co., sugar, syrups & molasses, 217 West, New York
Standard Refractories Co., silica brick, etc., Claysburg, Pa.
Standard Register Co., Callahan Power Bldg., Dayton, Ohio.
Standard Regulator Co., 282 South, Newark, N. J.
Standard Ring Traveler Co., tex. machy., supplies, etc., New Bedford, Mass.
Standard Rivet Co., 41 Lincoln, Boston, Mass.
Standard Roll Co., sand rolls, Worcester, Mass.
Standard Roller Bearing Co., wire wheels, 50th & Lancaster av., Philadelphia, Pa.
Standard Roller Mills Co., flour, Cerulean, Ky.
Standard Rolling Mills, block tin pipe, 363 Hudson, Brooklyn, N. Y.
Standard Salt & Cement Co., Duluth, Minn.
Standard Sand & Machine Co., 5150 St. Clair, Cleveland, Ohio.
Standard Sanitary Mfg. Co., plumbing goods, Bessemer Bldg., Pittsburgh, Pa.
Standard Sanitary Pottery Co., Elizabeth, N. J.
Standard Sash & Door Co., 5809 S. Racine av, Chicago, Ill.; & Seattle, Wash.
Standard Saw Mill Machy. Co., Erie, Pa.
Standard Saw & Tool Mfg. Co., Inc., 10 Domrell, Boston, Mass.
Standard Scale & Supply Co., mill & facty. supplies, store trucks, 1631 Liberty av, Pittsburgh, Pa. *See adv index at end of book*
Standard School Heater Co., warm air furnaces, 453 N. Racin Chicago, Ill.
Standard Scientific Co., chem. & scientific instrs., 70 5th a New York.
Standard Screen Co., window screens, 1858 Hastings, Chicag Ill.
Standard Screw Co., brass cap nuts, 81 E. Madison, Chicago, I
Standard Screw Products Co., 621 Bellevue, Detroit, Mich.
Standard Seamless Tube Co., steel tubing, Ambridge, Pa.
Standard Separator Co., 45th & Burnham, Milwaukee, Wis.
Standard Sewer Pipe Works, Rome, Ga.
Standard Sewing Machine Co., 6402 Cedar av, S. E., Clevelan Ohio.
Standard Shade Roller Co., Ogdensburg, N. Y.
Standard Sheet Metal Mfg. Co., Washington, Pa.
Standard Shipbuilding Corp., 44 Whitehall, New York, & Shoo ers Isl., West Brighton, N. Y.
Standard Shoe Machinery Co., 600 Essex, Lawrence, Mass.
Standard Shoe Tying Mach. Co., 19 Lincoln, Boston, Mass.
Standard Shutter & Iron Wks., 2542 Belleview, Kansas City, M
Standard Silicon Co., sand, etc., Ridgway, Pa.
Standard Slag Co., Youngstown, Ohio.
Standard Slide Corp., 209 W. 48th New York.
Standard Smelting & Refining Co., 547 W. 21st, New York
Standard Soap Co., Berkeley, Cal., Camden, N. J., 365 9th a New York, & 40 Beale, San Francisco, Cal.
Standard Soap Mfg. Co., Woonsocket, R. I.
Standard Spec. & Tube Co., machsts., New Brighton, Pa.
Standard Spinning & Stamping Co., coffee percolators, Toledo,
Standard Spiral Pipe Works, 48th & Rockwell, Chicago, Ill.
Standard Stained Shingle Co. See Creo Dept. Co. (successor)
Standard Stamp Affixer Co., Somerville, Mass.
Standard Stamping Co., B'way & Chambers, St. Louis, Mo.
Standard Stamping Co., electric stoves, ranges, etc., Huntingto W. Va.
Standard Stamping & Die Co., 153 33d, Brooklyn, N. Y.
*See adv. index at end of book*
Standard Steam Spec. Co., 542 W. B'way, New York.
Standard Steel & Bearings, Incorporated, steel balls, ball & roll bearings, 50th & Lancaster av., Phila., Pa.
Standard Steel Box Co., Bridgeville, Pa.
Standard Steel Car Co., Hammond, Ind., & Frick Bldg., Pitts burgh, Pa.
Standard Steel Castings Co., machsts. & fndrs., 3311 W. 73d Cleveland, Ohio.
Standard Steel Sections, Inc., stair risers & treads, 608 E. 133rd New York.
Standard Steel Tube Co., The, brazed steel tubing for mechan cal purposes, Toledo, Ohio.
Standard Steel & Wire Co., 549 W. Washington blvd, Chicag Ill. *See adv index at end of book*
Standard Steel Works Co., axles, castings, flanges, forgings rings, rods, springs, tires, wheels, etc., Morris Bldg Philadelphia, Pa.
Standard Stoker Co., locomotive stokers, Grand Central Ter minal, New York.
Standard Stone & Brick Co., Bellaire, Ohio.
Standard Store Service, Inc., wire & cable carriers, conveying apparatus, etc., Hartford, Conn.
Standard Stove Lining Co., Taunton, Mass.
Standard Supply Co., mill & facty. supplies, Wilmington, N. C.
Standard Supply Co., oil & gas well, Scio, Ohio.
Standard Supply Co., plumbers' supplies, jobbers, 420 Carroll New Orleans, La., & Portsmouth, Ohio.
Standard Supply & Equipment Co., mill & factory supplies, etc. N. W. cor. Cherry & 13th, Phila., Pa.
Standard Syrup Co., canned, 1017 Chouleau, St. Louis, Mo.
Standard Tank Co., iron & shell plate constr., 15 Park row New York.
Standard Tank & Seat Co., Camden, N. J.
Standard Telephone Repair Co., 321 N. Crawford av, Chicago Ill.
Standard Textile Co., cotton batting, Glens Falls, N. Y.
Standard Thermometer Co., 65 Shirley, Boston, Mass.
Standard Thread Co. 532 W. 22d, New York.
Standard-Tilton Milling Co., flour, Pierce Bldg., St. Louis, Mo.
Standard Tin Plate Co., Canonsburg, Pa.
Standard Tire Protector Co., Akron, Ohio.
Standard Tire & Rubber Co., pneumatic ties, 104 Portland, Bos ton, Mass.
Standard Tire & Rubber Mfg. Co., Willoughby, Ohio.
Standard Tobacco Stemmer Co., tobacco machy., 5520 2nd av Brooklyn N. Y.
Standard Tool Co., twist drills, etc., 6700 Central av, Cleve land, Ohio.
Standard Tool & Mfg. Co., metal stamping, 70 Lafayette blvd. Detroit, Mich.
Standard Top & Equipment Co., 1849 E. 65th, Cleveland, Ohio
Standard Towel Co., Newton, N. J.
Standard Toy Marble Co., Akron, Ohio.
Standard Tractor Co., 2324 University av, St. Paul, Minn.
Standard Trailer Co., Cambridge Springs, Pa.
Standard Trunk Co., 535 B'way, New York.
Standard Turnbuckle Co., bolts, gibs, auto parts, etc., Corry, Pa
Standard Turning Wks., dowels & wood turnings, Cambridge Mass.
Standard Tyler Co., wire wk. for banks, 2436 N. 15th, Chicago Ill.

ndard Ultramarine Co., blues, Huntington, W. Va.
ndard Underground Cables Co., Westinghouse Bldg., Pittsburgh, Pa.
ndard Union Co., 7 Walter, Boston, Mass.
ndard Utility Co., contractors, cornices, 225 Lexington av, New York.
ndard Valve Gear Co., Toledo, Ohio.
ndard Varnish Wks., 90 West, New York
ndard Vending Mach. Co., fly killers, Hazleton, Pa.
ndard Ventilator Co., Lewisburg, Pa.
ndard & Vulcanite Pen Co., fountain pen mfrs., 752 Lex. av, Brooklyn, N. Y.
ndard Wall Paper Co., Hudson Falls, N. Y.
ndard Waste Mfg. Co., cotton waste, 3067 E. 61st, Cleveland, Ohio.
ndard Water Systems Co., condensers, heaters, stills, tanks, etc., Hampton, N. J.
ndard Wax & Import Co., 95 William, New York.
ndard Wheel Co., Terre Haute, Ind.
ndard Whip Co., Westfield, Mass.
ndard Whol. Phosphate Co., acid phosphate & fertilizer mfrs., Continental Bldg., Baltimore, Md.
ndard Wire Co., New Castle, Pa.
ndard Wire Spring Co., Cleveland, Ohio
ndard Wiring Mach. Co., bundling machy., 363 Flushing av, Brooklyn, N. Y.
ndard Wood Nov. Co., 446-450 Water, New York
ndard Wood Pipe Co., Williamsport, Pa.
ndard Woven Fabric Co., mechanical rubber goods, brake lining, etc., mfrs., Walpole, Mass.
ndardizing Machy. Co., portable hoists, 299 B'way, New York.
ndart Bros. Hardware Corp., whol. hdwe. & tin plate, 8 Jefferson av, Detroit, Mich.
ndart Portland Cement Corp., Crocker Bldg., San Fran., Cal.
nder, Jacob, bedstead mfrs., 754 Park av, Brooklyn, N. Y.
ndifer-Clarkson Co., ship builders, Portland, Ore.
ndley Skid Chain Co., Boone, Iowa.
ndpipe, J. M., constr. Co., ship bldrs., Vancouver, Wash.
ndring, Sam'l, machst., Hope & Somerset, Phila., Pa.
nfield, M. B., weather strips, 535 Tusculum av, Cincinnati, O.
nford-Crowell Co., advertising signs, Ithaca, N. Y.
nford Steel Products Co., cold rolled strip steel mfrs., Milford, Conn.
nford University Dept. of Engineering, engng. schools & coll., San Francisco, Cal.
nge, A. H., Co., lbr., Merrill, Wis.
ngel & Boekling, contrs., Peru, Ill.
nhope, Leon E., architect, 59 E. Madison, Chicago, Ill.
niford, J. W., & Co., gauge glasses, 40 Hanover, Boston, Mass.
nley Belting Corp'n, 34 S. Clinton, Chicago, Ill.
nley Bronze Co., fndrs., Bridgeport, Conn.
nley, C. C., canned goods, Hollins, Va.
nley, Calrow L., file & rasp mfr., Lowell, Mass.
nley Co., gas & marine engines, Salem, Mass.
nley Co., machsts. & fndrs., 79 Milk, Boston, Mass.
nley Construction Co., 6 S. Division, Buffalo, N. Y.
nley Fdry Co., Grand Rapids, Mich.
nley, G. W., architect, 668 Kearney, Portland, Ore.; Globe Bldg., Seattle, Wash.
nley, Geo. W., Co., tuyere irons, nails, staples, Belleville, Ill.
nley, H. A., canned goods, Bedford, Va.
nley Hoist & Machine Co., 620 W. 25th, New York.
nley Insulating Co., bottles—vacuum, Great Barrington, Mass.
nley, J. B., contractor, Durham, N. C.
nley, J. C., architect, Olympia, Wash.
nley, J. R., Chemical Co., dental cements & mercury, 1 Union Sq., New York.
nley, James, soap, 640 W. 30th, New York.
nley, Jno. T., soap, metal polish, 642 W. 30th, New York.
nley Mfg. Co., name plates, 46 Cannon, Dayton, Ohio.
nley Motor Carriage Co., Newton, Mass.
nley, O., architect, Bardstown Ky.
nley & Patterson, Inc., electrical specialties mfrs., 23 Murray, New York.
nley, R. C., architect, 4346 47th av S. W., Seattle, Wash.
nley Reinforced Concrete Co., pipe, Centralia, Wash.
nley Rule & Level Co., carpenters & mechanics' tool mfrs., New Britain, Conn.
nley & Schiebel, architects, Wick Bldg., Youngstown, Ohio.
nley Shipbldg. Co., Shooters Island, S. I., N. Y.
nley-Smith Lumber Co., Hood River, Ore.
nley, Wm. W., canvas goods, 50 Church, New York.
nley Works, builders cabinet & shelf hardware, cold rolled strip steel & box strapping mfrs., specials to blue print, New Britain, Conn. *See adv index at end of book.*
nnard Iron Foundry, New Haven, Conn.
nnard, J. B., architect, Ingle blk., San Diego, Cal.
**NNARD MFG. CO.**, little giant expansion screw sleeves mfrs., 371 Allen, Springfield, Mass.
*See adv index at end of book.*
nsbury, Chas. V. H. W., contractor, W. Hellman Bldg., Los Angeles, Cal.
nsbury, Daniel R., htg. contr., 1304 H. N. W., Washington, D. C.

Stansbury, H. O., Co., rat traps, 415 Commerce, Phila., Pa.
Stansbury, Jas. H., sash, door & blind mfrs., Hollis, N. Y.
Stant, Benj. F., contractor, Camden, N. J.
Stant, Geo., Mach. Works, Connersville, Ind.
Stanton, E. H., Co., meat packers, Spokane, Wash.
Stanton, E. J., & Son, lumber, Los Angeles, Cal.
Stanton Foundry & Machine Co., Palatka, Fla.
Stanton, Geo., contractor, 120 Worth, New York.
Stanton Heater Co., Martin's Ferry, Ohio.
Stanton, Samuel M., architect, Ann Arbor, Mich.
Stanton, Wm. A., architect, Vicksburg, Miss.
Stantonsburg Lbr. Co., Stantonsburg, N. C.
Stanwood Lumber Co., Stanwood, Wash.
Stanwood Mfg. Co., advtg. novelties, 88 Broad, Boston, Mass.
Stapf & Benfer, contrs., Harrisburg, Pa.
Staple Post Mold Co., Westerville, Ohio.
Staples Brick Co., Kingston, N. Y.
Staples Bros., cornices, 218 S. Wabasha, St. Paul, Minn.
Staples Bros., masons' & bldrs.' matls., Lowell, Mass.
Staples Coal Co., masons' & bldrs.' matls., Fall River & Taunton, Mass.
Staples & Gould, mill & facty. supplies, Milford, Mass.
Staples, H. F., & Co., furniture polish, Medford, Mass.
Staples & Hanford Co., spring beds, Newburgh, N. Y.
Staples & Hartman, carriages, Stroudsburg, Pa.
Staples, Harvey E., carriages, Brooks, Me.
Staples-Hildebrand Co., masons' & bldrs.' matls., South Bend, Ind.
Staplin & Smith, Babbit metal, belt dressing, etc., 359 W. Austin, Chicago, Ill.
Stappen, Wm., willow ware mfrs., 237 So. 10th, Phila., Pa.
Star Aluminum Co., aluminum ware, Ashland, Ohio.
Star Bit & Tool Co., Rockford, Ill.
Star Brass Mfg. Co., gauges, lubricators, valves, etc., 53 Oliver, Boston, Mass.
Star Brass Works, machsts., 3114 Carroll, Chicago, Ill.
*See adv. index at end of book*
Star Brass Works, elec. ry. supps., Kalamazoo, Mich.
Star Brick Co., Des Moines, Ia.
Star Bros. Bell Co., unmounted gongs, East Hampton, Conn.
Star Bucket Pump Co., 1218 N. 15th, St. Lauis, Mo.
Star Button Works, 53 W. 28th, New York.
Star Canning Co., Republic, Mo., & Roy, Utah.
Star Carriage Co., Seattle, Wash.
Star Clay Co. (Ltd), Mertztown, Pa.
Star Clay Products Co., Elmendorf, Tex.
Star Coal & Cement Co., masons' & bldrs.' matls., Dayton, Ohio.
Star Coal Co., masons' & bldrs.' matls., Beloit, Wis.
Star Cornice Skylight & Roofing Works, 569 3d av, New York.
Star Corundum Wheel Co., emery wheel dressers, 241 Cavalry av, Detroit, Mich.
Star Coulter Co., plow coulters, Canton, Ohio.
Star & Crescent Co., turkish towels, Lehigh av & Hancock, Philadelphia, Pa.
Star & Crescent Milling Co., mill feed, 160 W. Jackson blvd., Chicago, Ill.
Star Cut Stone Co., Persons & W. Shore R. R., Buffalo, N. Y.
Star Drilling Machine Co., Akron, Ohio.
Star Dynamo Co., Jefferson City, Mo.
Star Egg Carrier & Tray Mfg. Co., Rochester, N. Y.
Star Elec. Co., fire alarm signal boxes, Binghamton, N. Y.
Star Elec. Co., ground connection clamps, 212 S. 8th, Phila., Pa.
Star Elec. Motor Co., motors, generators, fans & miller, N. J. R. R. av, Newark, N. J.
Star Elec. Fuse Works, blasting batteries, miners' squibs, Wilkes-Barre, Pa.
Star Electric Motor Co., 245 N. J. R. R. av, Newark, N. J.
Star Electrode Works (of Nat. Carbon Co.), Niagara Falls, N. Y.
Star Expansion Bolt Co., bolt expansion shields, clamps, etc., mfrs., 145 Cedar, New York. *See adv. index at end of book*
Star Felt Cutting Co., felt washers, gaskets, etc., 260 69th, Brooklyn, N. Y.
Star Foundry Co., Covington, Ky., & Troy, Ohio
Star Foundry & Mach. Works, Anderson, Ind.
Star Furnace Co., Jackson, Ohio.
Star Fuse Co., 290 Church, New York.
Star Glass Co., lamp chimney, Star City, W. Va.
Star Glass Co. (Ltd.), Medford, N. J.
Star Grain & Lumber Co., masons' & bldrs.' matls., Wellsville, Kans.
Star Granite Co., Barre, Vt.
Star Hame Mfg. Co., Blanchester, Ohio.
Star Hardware & Supply Co., Toledo, Ohio.
Star Headlight & Lantern Co., Rochester, N. Y.
Star Heel Plate Co., Wilson av, Newark, N. J.
Star Jack Co., Bloomfield, Ind.
Star Knitting Co., knitted gloves, La Crosse, Wis.
Star Lime Co., Hannibal, Mo.
Star Lock Works, 110 S. 8th, Philadelphia, Pa.
Star Lubrg. Oil Co., 8714 B'way, Cleveland, Ohio.
Star Mach. Co., Marietta, Ohio.
Star Machinery Co., 1731 1st av. S., Seattle, Wash.
Star Mfg. Co., agricultural implements, Carpenterville, Ill., & New Lexington, Ohio.
Star Mfg. Co., hand soap, 331 Summer, Stamford, Conn.
Star Metal Box Co., clamps (conduit), bushings, porcelain, 507 W. 19th, New York.

Star Mill & Elevator Co., flour, Hennessy, Okla.
Star Milling Co., flour, Aurora, Ind.
Star Milling Co., flour, Buckhannon, W. Va.; North Tazewell, Va.; Shoals, Ind., & Statesville, N. C.
Star Music Co., pianos, 9 E. Harrison, Chicago, Ill.
Star Nickel Plating Works, 232 N. 5th, Philadelphia, Pa.
Star Oil Co., lubrg., 348 Irving av, Chicago, Ill.
Star Ornamental Iron & Wire Works, 2525 Frazier, Pittsburgh, Pa.
Star Paper Dish Co., Richmond, Va.
Star Pea Huller Co., machsts., Chattanooga, Tenn.
Star Peerless Wall Paper Mills, Joliet, Ill.
Star Pin Co., Derby, Conn.
Star Pin Co., hair pins, Shelton, Conn.
Star Planing Mill Co., sashes, doors & blinds, Mount Sterling, Ky.
Star Plating Wks., 98 B'way, Buffalo, N. Y.
Star Plbg. Supply Co., 919 E. Lombard, Balto., Md.
Star Pointer Pump Mfg. Co., paint & white wash spraying machines, Menasha, Wis.
Star Porcelain Co., porcelain specialties, Trenton, N. J.
Star Refining Co., smelters & refiners, 116 W. First, Boston, Mass.
Star Ribbon Mfg. Co., woven labels, 456 4th av, New York.
Star Rubber Co., Akron, O.
Star Sand Co., Portland, Ore.
Star Seal Co., machsts., 30 Church, New York.
Star Seeder Co., Shortsville, N. Y.
Star Specialty Co., beaters (egg & cream), Ashland, O.
Star Specialty Mfg. Co., grinders, etc., 227 W. Erie, Chicago, Ill. *See adv index at end of book*
Star Stone Co. (of Chicago), Bloomington, Ind.
Star Stoneware Co., Crooksville, Ohio.
Star Tank Co., Goshen, Ind.
Star Tractor Co., Findlay, Ohio.
Star Watch Case Co., Ludington, Mich.
Star Webbing Works, Brockton, Mass.
Star Wks., brick, 22nd & R. R., Pittsburgh, Pa.
Starbird, C. V., lbr., Strong, Maine.
Starbird, W. D., architect, Spalding Bldg., Portland, Ore.
Starbuck, H. F., architect, Rowell Bldg., Fresno, Cal.
Starbuck Mfg. Co., hog oilers, Peoria, Ill.
Starbuck, R. M., & Sons, plumbers' supplies, Hartford, Conn.
Starch Bros. Co., mchsts. & fdrs., La Crosse, Wis.
Starchroom Publishing Co., 415 Pioneer, Cincinnati, Ohio.
Starck, P. A., Piano Co., 208 S. Wabash av, Chicago, Ill.
Stark Brick Co., Canton, Ohio.
Stark Car Coupler Corp., Strasburg, Va.
Stark-Davis Co., plbrs. supps., Portland, Ore.
Stark, H. F., contractor, Greensburg, Pa.
Stark, Hy., & Co., cornices, 2105 Gravois, St. Louis, Mo.
Stark, Jas. E., & Co., lumber, Memphis, Tenn.
Stark Mills, bagging, sheetings, tickings, etc., Manchester, N. H.
Stark Paper Co., North Bennington, Vt.
Stark Rolling Mill Co., Canton, Ohio.
Stark, T., & Co., contractors, Cedar Rapids, Ia.
Stark Textile Co., auto, binding, Valatie, N. Y.
Stark Tool Co., bench & precision lathes, & milling machine mfrs., 218½ Moody, Waltham, Mass.
Starke, Ashton, mill & facty. supps., Richmond, Va.
Starke, C. H., Dredge & Dock Co., 216 Water, Milwaukee, Wis.
Starke, Hy., Land & Lumber Co., Arcadia, Mich.
Starke's Dixie Plow Wks., Richmond, Va.
Starkey, I. (Est. of), masons' & bldr.' matls., Holden, Mo.
Starkey, John, brick, North Industry, Ohio.
Starkweather, R. R., Co., stairbuilders' supplies, Oshkosh, Wis.
Starkweather & Williams Co., plate glass, 47 Exch. pl, Providence, R. I.
Starr, B. F., & Co., mill & facty. supps., & flour grinding machy., Guilford av & Center, Balto., Md.
Starr Bros. Bell Co., East Hampton, Conn.
Starr, C. M., Mfg. Co., machsts., South Bend, Ind.
Starr, D. H., auto. top & carriage bows, Highland, N. Y.
Starr Granite & Marble Wks., Corry, Pa.
Starr Engng. Co., refrigerating engrs., 90 West, New York.
Starr, J. G. & Son, harness, saddles & strak wk. mfrs., Decatur, Ill.
Starr, Jno. V., architect, Tulsa, Okla.
Starr, Julian S., architect, Rock Hill, S. C.
Starr Package Machy. Co., Northampton, Mass.
Starr Piano Co., Richmond, Ind.
Starr, W. C., & Son Co., chains, Indianapolis, Ind.
Starratt & Jones Co., mill & facty. supplies, 72 Greene, New York.
Starrells, Morris & Co., bathing suit mfrs., 2122 E. Dakota, Philadelphia, Pa.
Starret & Goss, contractors, 103 Park av, New York.
Starrett, F. M., architect, Forest Grove, Ore.
Starrett, Fields Co., masons' & bldrs.' matls., 809 Mass. av, Boston, Mass.
Starrett, L. S., Co. (The), fine mechanical tools, mfrs., Athol, Mass. *See adv index at end of book.*
Starrs, Wm., contractor, 250 15th, Detroit, Mich.
Stary, Frank & Sons, mchsts. & fndrs., Cedar Rapids, Ia.
Stasse, John, architect, 533 Garden, Hoboken, N. J.
State Architect's Office, Capitol Bldg., Albany, N. Y.
State Board of Architects, Phelan Bldg., San Francisco, Cal.
State College of Mines, engng. school & coll., Rapid City, S. D.
State Coll. of Wash., coll. of mechanic arts & engng., Pullman, Wash.
State Constr. Co., 131 E. State, Columbus, Ohio.
State Const. Co., 736 K. of P., Indianapolis, Ind.
State Improvement Co., contractors, Crocker Bldg., San Francisco, Cal.
State Lbr. Co., Columbia Falls, Mont.
State Mfg. Co., boiler compounds, 3545 E. 76th, Cleveland, O.
State Oil Co., compounds, sweeping, Lincoln, Neb.
Staten Island Shipbuilding Co., 1983 Richter ter, Port Richmond, N. Y.
Staten Island Supply Co., mill & facty. supplies, 398 Bay, West New Brigton, N. Y.
States Chemical Co., 663 W. Austin, Chicago, Ill.
States Co., testing clamps, phase shifters, etc., 19 New Park av, Hartford, Conn.
States Motor Car Mfg. Co., Kalamazoo, Mich.
Statesir Lumber Co., Freehold, N. J.
Statesman Co., advtg. signs, Marshall, Mich.
Statesville Cotton Oil Co., Statesville, N. C.
Statesville Flour Mill Co., Statesville, N. C.
Statesville Show Case Co., Statesville, N. C.
Stathem-Cosier Co., canned goods, Newport, N. J.
Stationers' Loose Leaf Co., Milwaukee, Wis.
Statom Boiler Wks., Anniston, Ala.
Staton-Moore Canning Co., Fruitland, Md.
Staub, Jas. A., brick, New Oxford, Pa.
Staude, E. G., Mfg. Co., paper box machy. & auto attachments, St. Paul, Minn.
Stauder, A. F., architect, Wainwright Bldg., St. Louis, Mo.
Stauder, N. B., contractor, Lorain, O.
Staudte & Reuckoldt Mfg. Co., store & bar fix., 112 Soulard, St. Louis, Mo.
Stauduhar, Geo. P., architect, Rock Island, Ill.
Stauffer, A. T. B., lumber, Bechtelsville, Pa.
Stauffer Chemical Co., 624 California, San Francisco, Cal.
Stauffer, Eshleman & Co., Ltd., mill & factory supplies & wholesale hardware, 511 Canal, New Orleans, La.
Stauffer, Geo. M., brick, Gladbrook, Ia.
Stauffer, Jos. R., coke mfr., Scottdale, Pa.
Stauffer, P., cornices, Moberly, Mo.
Stauffer, Van Avery Co., cornices & skylights, Eldora, Ia.
Stauter, Ira H., contractor, Peru, Ind.
Stavenhagen, W. H., Co., leaded glass shades, etc., 516 W. 47th, New York.
Staver Carriage Co., machsts., 76th & Wallace, Chicago, Ill.
Staybestos Mfg. Co., brake lining, 5534 Lena, Phila., Pa.
Stayner & Daly, lbr., Salt Lake City, Utah
Steacy-Schmidt Mfg. Co., machsts. & fndrs., kilns, turntables, etc., York, Pa.
Steacy & Wilton Co., lime, stone, Bittinger, Pa.
Steacy & Wilton Co., lime mfrs., Wrightsville, Pa.
Steadman, Frank, pianos, Yonkers, N. Y.
Steam Appliance Co., steam specialties, Milwaukee, Wis.
Steam Carriage Boiler Co., Oswego, N. Y.
Steam Supp. & Rubber Co., oil burners, 79 Washington, Seattle, Wash.
Steam Tractor Auto & Mfg. Co., piston rings, etc., Sioux City, Ia.
Steamfitters' Supply Co., 10 W. Illinois, Chicago, Ill.
Stearnes Co., cooking apparatus, 133 W. Lake, Chicago, Ill.
Stearns, A. T., Lumber Co., builders' finish, tanks, vats, lumber, etc., 100 Taylor, Neponset, Boston, Mass. *See adv index at end of book.*
Stearns Coal & Lbr. Co., Stearns, Ky.
Stearns Co., saw mills, etc., Erie, Pa.
Stearns & Culver Lbr. Co., L'Anse, Mich.
Stearns, E. C., & Co., hdwe. mfrs., 450 Oneida, Syracuse, N. Y.
Stearns Elec. Paste Co., insecticides, Peoples Gas Bldg., Chicago, Ill.
Stearns, F. B., Co., automobile bldrs., Euclid av & Lakeview rd, Cleveland, Ohio.
Stearns, F. M., & Co., pipe joints cements, Jamestown, N. Y.
Stearns, Fitch & Co., china kilns, Springfield, Ohio.
Stearns & Foster Co., cotton felts, mattresses, etc., Lockland, O.
Stearns, Frank P., contractor, Fredericksburg, Va.
Stearns Gas Engine Wks., Los Angeles, Cal.
Stearns, J. S., Co., lbr. mfrs., Grand Rapids, Mich.
Stearns, J. S., Lumber Co., Odanah, Wis.
Stearns, Joel M., paints, seeds, tractors, milking machy., etc., agrl. implements, mill & facty. supplies & wholesale hardware, Greenfield, Mass.
Stearns Lime Co., Danbury, Conn.
Stearns Lime & Stone Co., 160 W. Randolph, Chicago, Ill.
Stearns Lbr. & Shingle Co., Stearnsville, Wash.
Stearns & McKay Co., ship bldrs., Marblehead, Mass.
Stearns Mfg. Co., wrenches, Toledo, Ohio.
Stearns Motor Mfg. Co., farm tractors & gasoline engines, Ludington, Mich.
Stearns Paper Products Co., advtg. signs, 1604 S. Dearborn, Chicago, Ill.
Stearns Register Co., 111 Fort, E., Detroit, Mich.
Stearns-Roger Mfg. Co., mill & facty. supplies, Denver, Colo.
Stearns Salt & Lumber Co., Ludington, Mich.
Stearns, W. H., Stamping Co., sheet metal stamping, Worcester, Mass.
Stearns & White Co., chemists, 859 N. Franklin, Chicago, Ill.

arns & Woodnutt, architects, Stephen Girard Bldg., Chicago, Ill.
aryte Co., Inc., 312 E. 22d, New York.
bbings, W. L., arch'l consulting engrs., Monadnock Bldg., Chicago, Ill.
bbins, E., Mfg. Co., founders, Springfield, Mass.
bbins Engng. & Mfg. Co., machsts., Watertown, N. Y.
bbins, H. B., Lumber Co., Mason Bldg., Boston, Mass.
bbins & Haxby, architects, Auditorium Bldg., Minneapolis, Minn.
bbins Hdwe. Co., mil & facty. supplies, 15 W. Van Buren, Chicago, Ill.
bbins Mfg. Co., laundry machinery, 1737 Blake, Denver, Colo.
bbins, Wallace, & Sons, mill & facty. supplies, machy. dirs., 100 S. Charles, Baltimore, Md.
bbins & Watkins, architects, 164 Federal, Boston, Mass.
bbins, Wm. C., mill & facty. supplies, Watertown, N. Y.
ber Mach. Co., Utica, N. Y.
binger Bros., contractors, 626 B'way, Portland, Ore.
ch, Wm. F., contr., Para, Ill.
cher, A., strings—gut, 47th & So. Racine av, Chicago, Ill.
cher, Chas., Co., screw machines, 1574 Crossing, Chicago, Ill.
cher Cooperage Wks., wooden kegs, 3d & Barton, St. Louis, Mo.
cher Lithographic Co., advtg. post cards, Rochester, N. Y.
cher & Spelrein Co., advtg. nov. & spec., 65 W. Houston, New York.
ck, Geo., & Co., pianos, 605 E. 132d, New York.
ckenreiter Iron Wks., Calyer & Jewell, Brooklyn, N. Y.
cker Elec. & Mach. Co., junction boxes, gas igniters, Dewey, Detroit, Mich.
dman, F. C., Co., meat packers, Athens, Ohio.
dman, Geo. O., architect, Rome, N. Y.
dman, J. H., Co., scrap rubber, South Braintree, Mass.
dman, M. W., rakes, Tyringham, Mass.
dman's Fdry. & Mach. Wks., Aurora, Ind.
ed Bros., machinists, New Mount Pleasant, Ind.
edman, J. H., Lbr. Co., Norwood, Ga.
el Barrel Co. of America, Lister av, south of Lockwood, Newark, N. J.
el Barrel Co. of America, steel barrel mfrs., 29 B'way, New York.
el Basket Co., Cedar Rapids, Ia.
el Bros., contrs., Wilkinsburg, Pa.
el Car Co., freight cars, Euclid, Ohio.
el Car Forge Co., Frick Bldg., Pittsburgh, Pa.
el City Elec. Co., flexible mtlc. conduits, 1207 Columbus av, Pittsburgh, Pa.
el Equip. Corp., store fixtures, Avenel, N. J.
el Fabricating Co., forgings, etc., Chicago Heights, Ill.
el Fixture Mfg. Co., Topeka, Kan.
el Forgings Co., Oakley, Cincinnati, Ohio.
el Furniture Co., Grand Rapids, Mich.
el Heddle Mfg. Co., textile machy., supplies, etc., 2110 W. Allegheny av, Philadelphia, Pa.
el Improvement & Forge Co., case hardening, 5003 Windsor, Cleveland, Ohio.
el Industries Corp., merchants, etc., 261 B'way, New York.
el Mill Packing Co., 42 W. Larned, Detroit, Mich.
el Producers Export Corp., 120 B'way, New York.
el Products Co., bolts, 2206 Clarkwood av, S. E., Cleveland, O.
el Products Co., Savannah, Ga.
el Products Engineering Co., special machinery, Springfield, O.
el Protected Concrete Co., Real Estate Trust Bldg., Philadelphia, Pa.
el Rail Supply Co., 2 Rector, New York.
el Roofing & Stamping Works, Des Moines, Ia.
el Sales Corp., iron & steel merchants & mfrs., Adams & Jefferson, Chicago, Ill.
el (The) Scaffolding Co., Evansville, Ind.
el Socket Shaft End Co., 1432 E. 49th, Cleveland, Ohio.
el Specialties Co., lock nuts & washers, Waltham, Mass.
el Tank & Products Co., 10 W. Illinois, Chicago, Ill.
el & Taylor Co., metal buttons, 141 W. 36th, New York.
el & Torrance Co., Inc., mill & facty. supplies, Batavia, N. Y.
el Truck Co., facty. trucks, Nowell, Mich.
el & Tube Co. of Am., wrought iron pipe, Conway Bldg., Chicago, Ill.
el, W. B., canned goods, Port Deposit, Md.
el & Iron Products Co., concrete reinforcing materials, 1911 Emerson av, Chicago, Ill.
el & Wike Co., steel struct'l wk., 533 N. 13th, Phila., Pa.
ele, Alderfer, Co., cretes & hose reels, Cuyahoga Falls, Ohio.
ele, Benton, architect, Halstead, Kan.
ele & Condict, machsts. & fndrs., 74 Pearl, Jersey City, N. J.
ele, E. J., machinists & founders, Boaz, Ala.
ele, Fletcher, landscape architect, 88 Broad, Boston, Mass.
ele Glass Co., 622 Locust, Philadelphia, Pa.
ele Hardware Co., Parsons, Kan.
ele & Hibbard Lbr. Co., 3125 N. B'way, St. Louis, Mo.
ele, J. C., & Sons, cars & machinery, Statesville, N. C.
ele & Johnson, lbr. mfrs., Winnsboro, La.
ele & Johnson Mfg. Co., shade holders, etc., 779 S. Main, Waterbury, Conn.
ele-Kattman Coal Co., Hymera, Ind.
ele Mfg. Co., machsts. & fndrs., Gloversville, N. Y.
ele-Patton Lbr. Co., Knoxville, Ala.
ele, Resin D., archit., First Nat'l Bk. Bldg., Houston, Tex.

Steele & Son, contrs., Paterson, N. J.
Steele Table Co., Port Norfolk, Va.
Steele, W. M., automobile bldrs., Worcester, Mass.
Steele, Wm. M., contr., 248 Gertrude, Syracuse, N. Y.
Steele, Wilbur S., Co., furnace pipe & hot air furnace tops, Hartford, Conn.
Steele, Wm. L., architect, United Bk. Bldg., Sioux City, Ia.
Steele, Wm., & Sons Co., contractors, 1600 Arch, Phila., Pa.
Steelite Co. (The), elevator gates & enclosures, etc., 1902 W. 77th, Cleveland, Ohio
Steelton & Harrisburg Brick Co., Steelton, Pa.
Steelton Mfg. Co., adjustable metal shade strips, Steelton, Pa.
Steelton Planing Mill Co., Steelton, Pa.
Steen, James T., architect, Fulton Bldg., Pittsburgh, Pa.
Steen, H. Mill Co., lbr., Vashon, Wash.
Steen Rice & Cotton Mill Co., Abbeville, La.
Steenberg, O. C., Co., sash, door & blind, Fond Du Lac, Wis.
Steenland Constr. Co., Palisades Park, N. J.
Steep, W. H., common brick, Seneca, Ill.
Steere Engineering Co., gas producers, 1564 Woodward, Detroit, Mich.
Steere, Geo., metal numbers, 432 S. Dearborn, Chicago, Ill.
Steere, John W., & Son Organ Co., Springfield, Mass.
Steers, Henry, contr., 17 Battery pl, New York City.
Steers, Hy., Sand & Gravel Co., 17 Battery pl, New York.
Steers Supply Co., belt dressing, 18 Vesey, New York.
Stefani, Angelo, stone, Detroit, Mich.
Steffen, Gustave, nail sets, etc., 1934-38 N. Ruse, Philadelphia, Pa.
Steffens-Amberg Co., hdwe. mfrs., machsts., 262 Morris av, Newark, N. J.
Steffens & Steffens, architects, Williamson Bldg., Cleveland, Ohio.
Steffes, M., Son, masons' & bldrs.' matls., Penobscot Bldg., Detroit, Mich.
Steffey Mfg. Co., gas engines, Philadelphia, Pa.
Steffler, Edward H., architect, 410 Oliver, Pittsburgh, Pa.
Stege Brass & Plating Wks., machsts., Louisville, Ky.
Stegeman Motor Car Co., 606 Linus, Milwaukee, Wis.
Steger Lbr. Co., Doncette, Texas.
Steger & Sons Piano Mfg. Co., 238 S. Wabash av, Chicago, Ill.
Stehlin-Miller Henes Co., lamp guards, 103 Park av, New York.
Stehling, Chas. H., Co., hide & leather working, tanning, etc., machinery, 401 4th, Milwaukee, Wis.
Stehman Bros., lbr., Rainier, Ore.
Stehr, C., smoking pipes, 347 Broome, New York.
Stelo & Duttweifer, Inc., machy. dir., 79 Wall, New York.
Steidl Bros., meat packers, Mattoon, Ill.
Steif, Leo B., architect, 30 N. La Salle, Chicago, Ill.
Steiger & Kerr Stove & Foundry Co., 2201 Folsom, San Francisco, Cal.
Steiger, P., Trunk & Bag Co., 637 Broad, Newark, N. J.
Steiger Trading Co., Inc., crude rubber, 49 Murray, New York
Steigert, L., Co., safety water columns, food choppers, etc., Logan & Elder, Cincinnati, Ohio.
Steigerward, Ed., & Sons, bldg. contrs., 2303 Galena, Milwaukee, Wis.
Steigman, Philip, archit., 690 B'way, Brooklyn, N. Y.
Steimer & Moore Whip Co., Westfield, Mass.
Stein, Adam, organs, 5 N. Green, Baltimore, Md.
Stein Bros. & Co., advtg. novelties, 422 S. Dearborn, Chicago, Ill.
Stein, Clarence S., architect, 56 W. 45th, New York
Stein Constr. Co., Chattanooga, Tenn.
Stein-Ebertshaeuser & Co., stone producers, 1017 W. Division, Chicago, Ill.
Stein, Hall & Co., chemicals, 61 B'way, New York.
Stein, Hall Mfg. Co., starch mfrs., 111 W. Wash., Chicago, Ill.
Stein, Henry, plumbers' supplies, jobbers, 48 Cliff, New York.
Stein, J., & Sons, music cabinets, 38 Franklin, Brooklyn, N. Y.
Stein, John J., exhaust heads, bilge pumps, leather plungers, steel riveted flanged fittings, etc., 30 Clay, Bklyn, N. Y.
Stein, S., architect'l & ornament'l iron, 63 N. Henry, B'klyn, N.Y.
Stein, Wm. P., & Co., machsts., Rochester, N. Y.
Steinal, Bruno, arch'l iron, 429 W. 26th, New York.
Steinau Co., advtg. spec., Louisville, Ky.
Steinbach's, W. D., Sons, contractors, Lewiston, Pa.
Steinbaugh, C. W., architect, Brandeis Theatre Bldg., Omaha, Neb.
Steinbeck, L. O., Lbr. Co., Charleston, W. Va.
Steinberg, Jacob, cornices, 229 Belmont av, Newark, N. J.
Steinberg, Nathan, scrap iron & steel, Omaha, Neb.
Steinberg Steam Cut Stone Co., stone producers, wkrs. & dlrs., 596 Rockaway av, Brooklyn, N. Y.
Steinbrenner, Chas. L., architect, 31 Clinton, Newark, N. J.
Steinbrenner-Fisher Co., contractors Niagara Falls, N. Y.
Steineger Saddlery Co., Springfield, Mo.
Steiner, August, agricultural implements, etc., Homewood, Ill.
Steiner Bros., machsts., Lima, Ohio.
Steiner, E. E., & Co., japanning & enameling ovens, 20 Orange, Newark, N. J.
Steiner Engraving & Badge Co., 804 Pine, St. Louis, Mo.
Steiner, Jos., lumber mfrs., Croghan, N. Y.
Steiner, M., & Co., machsts. gas engines, Dayton, Ohio
Steiner Mfg. Co., meat choppers, clothes washing machs., etc., 4100 N. 21st, St. Louis, Mo.
Steiner Mfg. Wks., machsts., Erie, Pa.
Steiner & Voegtly Hardware Co., 230 Diamond, Pittsburgh, Pa.
Steiner's, Wm., Sons, whol. hdwe., Monroe, Mich.

Steinert, R., & Co., machsts., Washburn, Wis.
Steinfeld Bros., toys, games & nov., lawn furniture, etc., 116 W. 32nd, New York
Steinfield, Albert, & Co., mill & facty. supplies, whol. hdwe., Tucson, Ariz.
Steinhagen & Klinger, contractors, M. & M. Bk. Bldg., Milwaukee, Wis.
Steinhardt & Co., cottonseed meal, 926 Gravier, New Orleans, Lr.
Steinheiser, Christian P., masons' & bldrs.' matls., Mack & R. R., Detroit, Mich.
Steininger, E. A., Construction Co., Post Dispatch Bldg., St. Louis, Mo.
Steinkamp, Jos. G., & Bro., architects, Mercantile Library Bldg., Cincinnati, Ohio.
Steinke, E. H., Canning Co., Benton Harbor, Mich.
Steinle Turret Machine Co., turret lathes, Madison, Wis.
Steinman Bros. Lbr. Co., sashes, doors & blinds, Jenera, Ohio
Steinman, F. W., architect, Beaumont, Tex.
Steinman Hdwe. Co., tin plate, metals, etc., Lancaster, Pa.
Steinman Lbr. Co., 385 35th, Milwaukee, Wis.
Steinmetz, Amandas, contractor, Easton, Pa.
Steinway & Sons, pianos, 109 E. 14th, New York.
Stelle, Oliver G., architect, Leaverett Bldg., Alton, Ill.
Stellges, Edw. W., Jr., architect, 40 Kneer av, Brooklyn, N. Y.
Stelling, Fred W., Corp., cornices, Hartford, Conn.
Stellman, L. H., & Son, saw mill machy., etc., Brattleboro, Vt.
Stelwagon Mfg. Co., tin plate, etc., 19th & Washington av, Philadelphia, Pa.
Stelzner, Charles J., flour, Frazee, Minn.
Stem, A. H., architect, Endicott Bldg., St. Paul, Minn.
Stember & Kritz, architects, 103 Park row, New York
Stemmer & Geick, stone prod., Wilkes-Barre, Pa.
Stempel Fire Extinguisher Mfg. Co., 4268 N. 20th, St. Louis, Mo.
Stenbiht, Arthur, architect, Alameda, Cal.
Stencil Treasury, 209 E. 59th, New York.
Stender Bros., contractors, Scranton, Pa.
Stender, C. F. G., & Co., display racks, 1142 Van Buren, Chicago, Ill.
Stender Coppersmith Co., 2932 Smallman, Pittsburgh, Pa.
Stender, Frank C., & Co., dock bldrs., 86 Weybosset, Providence, R. I.
Stenerson Bros., masons' & bldrs.' matls., Pelican Rapids, Minn.
Stengel, Barney, mattresses, 421 9th av, New York.
Stengel Bros. Co., enam. metal tile, Thompson & Chartiers av, Pittsburgh, Pa.
Stengel, Geo., Inc., patent lthr., Waverly, N. J.
Stengel & Rothschild, patent leather, Main, Newark, N. J.
Stenhouse, J. Armstrong, architect, 681 5th av, New York.
Stenken, A., & Son, soap, Hoboken, N. J.
Stenman Electric Valve Grinding Co., Inc., 42 Southbridge, Worcester, Mass.
Stenotype Co., shorthand typewriters, Indianapolis, Ind.
Stenson, Oliver E., contractor, Hartford, Conn.
Steorts, H. G., masons' & bldrs.' matls., Keyser, W. Va.
Stephan Lumber Co., Upper Sandusky, Ohio.
Stephen, David, Jr., archit., 4944 Park View pl, St. Louis, Mo.
Stephen, Fred B., architect, New York Block, Seattle, Wash.
Stephen, James, architect, 726 New York Block, Seattle, Wash.
Stephen, Thos., architect, Camden, N. J.
Stephens, A. W., Mfg. Co., advertising specialties mfrs., Waltham, Mass.
Stephens-Adamson Mfg. Co., machsts. & fndrs., Aurora, Ill.
Stephens-Bird Lbr. Co., Monroe, Wash.
Stephens & Bro., glue mfrs., 16 E. 2d, Cincinnati, Ohio.
Stephens Bros., masons' & bldrs.' matls., Summit, N. J.
Stephens City Milling Co., flour, Stephens City, Va.
Stephens & Conrow Co., mill & facty. supplies, 98 Park pl, New York.
Stephens, David, brick, Madison, Wis.
Stephens Gas & Elec. Chandelier Co., Kansas City, Mo.
Stephens, H. A., contractor, Lincoln, Neb.
Stephens, Harry Thornton, architect, United Bank Bldg., Paterson, N. J.
Stephens, Henry & Co., lumber, Waters, Mich.
Stephens, Jackson Co., roofing slate mfrs., Pen Argyl, Pa.
Stephens, James S., automobile bldrs., 7321 S. Shore, Chicago, Ill.
Stephens Mfg. Co., fireless cookers, 67 Carroll, Buffalo, N. Y.
Stephens & Pearson, architects, Cent. Nat. Bk. Bldg., St. Louis, Mo.
Stephens Roe Mfg. Co., machsts. & fndrs., 1097 McKinley, Detroit, Mich.
Stephens & Stewart, masons' & bldrs.' matls., College Corner, O.
Stephens Supply Co., masons' & bldrs.' matls., Bryant Bldg., Kansas City, Mo.
Stephens, Thos., & Sons, contractors, church furniture, 275 Lark, Albany, N. Y.
Stephens, Windsor, & Co., bottle openers & strawberry hullers, Waltham, Mass.
Stephensen-Browne Lbr. Co., Chickasha, Okla.
Stephenson, C. H., bath room fixtures & garbage receivers, mfrs., Lynn, Mass.
Stephenson Charcoal Iron Co., blast furnaces, Wells, Mich.
Stephenson, E. E., Lumber Co., Celina, Ohio.
Stephenson, I., Co., maple flooring & lbr., Wells, Mich.
Stephenson, L. L., brick, Lovick, Ala.
Stephenson Mfg. Co., belt dressing, lubricants, etc., Albany, N. Y.



Stephenson, Robt. S., archit., 2 West 45th, New York.
Stephenson Supply Co., battery holders, Auburn, N. Y.
Stephenson & Wheeler, architects, 2 W. 45th, New York.
Steptoe, John, Co., shaping mach., 2951 Colerain av, Cincinna Ohio
Sterilizer Mfg. Co., Syracuse, N. Y.
Sterling Aluminum Co., Erie, Pa.
Sterling Architectural Co., 212 B'way, New York
Sterling Blower Co., Hartford, Conn.
Sterling Brass Co., compression cocks, 4610 St. Clair av, Clev land, Ohio.
Sterling Brass Polishing Co., machts. & fndrs., 105 Livingsto Brooklyn, N. Y.
Sterling Brick Co., Olean, N. Y.
Sterling Bronze Co., 16 E. 40th, New York.
Sterling Casket Hardware Co., 383 Kent av, Brooklyn, N. Y.
Sterling Coal Co., Ltd., Leader News Bldg., Cleveland, Ohio
Sterling Co., pianos, Derby, Conn.
Sterling Cork & Seal Co., Toledo, Ohio.
Sterling, Crumbliss Hardware Co. (whol.), Knoxville, Tenn.
Sterling Dental Mfg. Co., dental engines & steam guage, 1 Boylston, Boston, Mass.
Sterling Desk Co., Grand Rapids, Mich.
Sterling Devices Co., transformers, 9 Lispenard, New York
Sterling Drop Forge Works, 112 N. La Salle, Chicago, Ill.
Sterling Elec. Corp., heaters, 2711 Church, Cleveland, Ohio.
Sterling Elec. Lamp Works of G. E. Co., Warren, Ohio.
Sterling Engine Co., marine engines, Buffalo, N. Y.
Sterling Engineering & Constr. Co., Caswell blk, Milwauke Wis.
Sterling Equipment Co., air reheaters, etc., 139 N. Clark, Ch cago, Ill
Sterling Equip. & Supp. Co., boiler compounds, 488 N. Amer can, Philadelphia, Pa.
Sterling Fastener Co., 432 E. 71st, New York City.
Sterling Foundry Co., Sterling, Ill.
Sterling Foundry & Machine Co., junction boxes, 521 Chancello av, Newark, N. J.
Sterling Glass Co., Celestial Mt. Ad., Cincinnati, Ohio.
Sterling Grinding Wheel Co., Tiffin, Ohio.
Sterling Grinding Wheel & Eng. Co., 327 Clinton, Chicago, Ill.
Sterling Hdwe. Co., Bluefield, W. Va.
Sterling Iron Works, Stockton, Cal.
Sterling Iron & Steel Co., machy. dirs., 463 N. 10th, Phila., Pa
Sterling Knit Goods Co., sweater, cardigans, etc., Stiles, Boston Mass.
Sterling Lbr. Co., Bastrop, La.
Sterling Mach. & Stamping Co., Wellington, Ohio.
Sterling Mach. Works, hdwe. mfrs., 2622 Amber, Phila., Pa.
Sterling Machy. Co., mill & facty. supplies, Tacoma, Wash.
Sterling Mfg. Co., ammeters & voltmeters, Blackstone Bldg., W 3d, Cleveland, Ohio.
Sterling Mfg. Co., cloth mops, Reading, Mass.
Sterling Mfg. Co., machsts. & fndrs.—agri'l implts., Sterling, Ill
Sterling Mfg. Co., rubber substitutes, Gloucester, Mass.
Sterling Mfg. Co., surgical insts., Springfield, Ohio.
Sterling Metal Nov. Mfg. Co., 174 Worth, New York.
Sterling Mills, sweaters, cardigans, etc., Ilion, N. Y.
Sterling Motor Co., machsts., 1147 W. Grand blvd, Detroit, Mich
Sterling Motor & Machine Co., Warren, O.
Sterling Motor Truck Co., West Allis, Wis.
Sterling Name Tape Co., Winsted, Conn.
Sterling Oil Co., Emlenton, Pa., & Rochester, N. Y.
Sterling Paint & Color Co., Louisville, Ky.
Sterling Paint Co., 118 1st, San Francisco, Cal.
Sterling Paper Co., Dayton, Ohio.
Sterling Piano Co., 518 Fulton, Brooklyn, N. Y.
Sterling Pin Co., wire hooks & eyes & hairpins, Derby, Conn
Sterling Products Co., Inc., machinists' tools & supplies, 35 S. Desplaines, Chicago, Ill.
Sterling Products Co., sodium hypochlorite, Easton, Pa.
Sterling Refining Co., lubricating oils & greases, 6408 Euclid av, Cleveland, Ohio.
Sterling Ring Traveler Co., tex. machy. supplies, Fall River, Mass.
Sterling Salt Co., 29 B'way, New York.
Sterling Silk Glove Co., Bangor, Pa.
Sterling & Skinner Mfg. Co., cocks, 2672 E. Grand blvd, Detroit, Mich.
Sterling Specialty Co., brass castings, etc., Newcomerstown, O.
Sterling Spring Co., 2148 Scranton rd, Cleveland, Ohio.
Sterling Steel Foundry Co., Braddock, Pa.
Sterling Stone Co., Spokane, Wash.
Sterling Switchboard Co., Camden, N. J.
Stirling Tire Corp., Rutherford, N. J.
Sterling Top & Equipment Co., auto. bodies, trunk, racks, etc., 518 W. 57th, New York.
Sterling Vacuum Cleaner Co., Worcester, Mass.
Sterling Varnish Co., Fulton Bldg., Pittsburgh, Pa.
Sterling, W. C., & Son Co., lumber, Monroe, Mich.
Sterling Waxed Paper Mfg. Co., 245 South, Newark, N. J.
Sterling Wheelbarrow Co., West Allis, Wis.
*See adv. index at end of book*
Sterling Wire Box Co., 366 So. Senate av, Indianapolis, Ind.
Stern, Benj E., architect, 56 W. 45th, New York.
Stern Bros. & Co., black carbons, 68 Nassau, New York
Stern, D. S. Co., imp. camphor & oils, 46 Davis, San Fran., Cal.

ern, Edw., & Co., calender pads, 140 N. 6th, Phila., Pa.
ern Fndry & Machy. Co., 1630 Annunciation, New Orleans, La.
ern, H., Sons Co., scrap iron, 2259 S. Ashland av, Chicago, Ill.
ern, I. S., architect, 35 S. Dearborn, Chicago, Ill.
ern, Jos., & Sons, meat packers, 614 W. 40th, New York.
ern, Leon, architect, Chamber of Com. Bldg., Rochester, N. Y.
ern, Louis, & Co., silver novelties, 29 Metcalf Bldg., Providence, R. I.
ern, Philip N., architect, Fredericksburg, Va.
ern Spec. Co., rubber aprons, sheeting, 40 E. 22d, New York.
rnau, S., & Co., solidifies alcohol and aluminum goods, 9 E. 37th, New York
rnberg, A. C., Inc., contrs., West Hartford, Conn.
rnberg, Albert E., stencils, 214 Arch, Philadelphia, Pa.
rnberg, E. G., contr., 53 W. Jackson blvd., Chicago, Ill.
rnberg Bros., contractors, Nat. Bk. of Com., St. Louis, Mo.
rnberg, J., & Son, contractors, Long Island City, N. Y.
rnberg Motor Truck Co., Milwaukee, Wis.
rner, Edwin Co., mill & facty supplies, Flint, Mich.
rnert, Wolf, architect, 569 5th av, New York
rns Lbr. Co., East Hampden, Maine.
rnthal, F., Co., pennant mfrs., 217 W. Madison, Chicago, Ill.
rrett & Aberle Packing Co., meat, Portland, Ore.
rritt-Thomas Foundry Co., 32d & Smallman, Pittsburgh, Pa.
tler, J. H., architect, Middleburg, Pa.
tler, Mengel & Co., architects, Wyomissing, Pa., & Penn av, Reading, Pa.
tson, Cutler & Co., masons' & bldrs.' matls., 70 Kilby, Boston, Mass.
tson & Ellison Co., canned goods, Camden, Del.
tson, F. F., & Co., canned goods, Los Angeles, Cal.
tson, J. H., Co., mill & facty. supplies, Lewiston, Me.
tson Mach. Wks., plg. machy., 3204 1st av, So. Seattle, Wash.
tson, N., & Co., pianos, 1111 Chestnut, Philadelphia, Pa.
tson & Post Lumber Co., sash, door & blind mfrs., Seattle, Wash.
tson-Ross Mach. Works, storage battery trucks, Seattle, Wash.
ubenville Coal & Mining Co., Steubenville, Ohio.
ubenville Hardware & Supply Co. (whol.), Steubenville, Ohio.
ubenville Pottery Co., Steubenville, Ohio.
ubenville Stone Co., Steubenville, Ohio.
ul & Thuman Co., wood mantels, 278 Johnson, Buffalo, N. Y.
usloff Bros., Inc., meat packers, Salem, Ore.
utor Elec. Mfg. Co., automobile telephones, 68 Hunters Point av, New York.
ven & Jarvis Lbr. Co., Eau Claire, Wis.
ven & Son Co., stone producers, 175 W. Jackson blvd, Chicago, Ill.
vener, Charles W., founders, Tarentum, Pa.
venot, Chas., J. & Co., glue gelatine, 388 Pearl, New York
vens, A. E., & Co., carriage wheels, etc., Portland, Me.
vens, A. W., brick, Texarkana, Ark. & Texas.
vens-Barr Timber & Lbr. Co., Fraser, Colo.
vens, Benj. A., Co., refrigerators, butchers' supplies, etc., Toledo, Ohio.
vens Bros., chemical machy., 149 B'way, New York.
vens Bros. & Co., potteries, Stevens Pottery, Ga.
vens, C. A., & Co., woolen flannels, Ware, Mass.
vens, C. P., masons' & bldrs.' matls., Franklin, N. H.
vens, C. S., & Son, canned goods, Cedarville, N. J.
vens, C. Whitney, architect, 64 W. Randolph, Chicago, Ill.
vens & Caskey, canned goods, Hemlock, N. Y.
vens Chair Co., 209 7th, Pittsburgh, Pa.
vens, Chas. E., contractor, Danville, Ill.
vens, Chas. G., Co., mill & factry. supplies, 33 S. Jefferson, Chicago, Ill.
vens Coal Co., bituminous, 246 Third av, Pittsburgh, Pa.
vens & Co., battery connectors, bicycle pedals, etc., 375 B'way, New York.
vens Contracting Co., 415 Penn av, Pittsburgh, Pa.
vens, Edw. F., architect, 9 Park, Boston, Mass.
vens, F. O., sash, door & blind mfr., Worcester, Mass.
vens, F. W., contractor, Newton Center, Mass.
ens-Fitch Co., elec. contr., New Haven, Conn.
vens, Frederick B., fndry. plant equipt., 3d & Larned, Detroit, Mich. *See adv index at end of book.*
ens, G. A., fndr., Great Barrington, Mass.
ens, Geo. I., metal polish, Essex, Conn.
ens Grease & Oil Co., E. 79th & Avrina av, Cleveland, Ohio.
ens, H. E., canned goods, Nace, Va.
ens, H. L., lumber, Boonsboro, Ky.
ens, H. L., & Co., archl. engrs., 30 S. Mich. av, Chicago, Ill.
ens, H., Sons Co., brick, Macon, Ga.
ens Hardware Co., Dublin, Ga.
ens Institute of Technology, engng. college, Hoboken, N. J.
ens Iron Works & Fireproofing Co., Cleveland, Ohio.
ens, J., Arms Co., fire arms mfrs., Chicopee Falls, Mass.
ens, J. E., canned goods, Nace, Va.
ens, J. & E., Co., mchsts. & fndrs., Cromwell, Conn.
ens, J. R., Co., contractors, Odd Fellows' Temple, Cincinnati, Ohio.
ens, J. Walter, architect, Exchange Bk., St. Paul, Minn.
ens, John Calvin, architect, 187 Middle, Portland, Me.
ens, John Howard, architect, 187 Middle, Portland, Me.
ens, Jos., glass stainer, Orange, N. J.
ens Linen Works, Webster, Mass.
ens, Louis, architect, Columbia Bk. Bldg., Pittsburgh, Pa.

Stevens Lumber Co., Deer Park, Wash., Rhinelander, Wis., & Waterville, Wash.
Stevens, M. T., & Sons Co., woolen carriage cloth, North Andover, Mass.
Stevens Mach. Shop, Winooski, Vt.
Stevens Mfg. Co., cotton damasks, Fall River, Mass.
Stevens Mfg. & Foundry Co., Decatur, Ill.
Stevens-Martin & Co., fertilizer, Carlton, Ga.
Stevens Metal Products Co., steel drums, Niles, Ohio.
Stevens, Norton A., mchst., Oswego, N. Y.
Steven's Organ & Piano Co., Marietta, Ohio.
Stevens Point Box & Lbr. Co., Stevens Point, Wis.
Stevens, T. D., canned goods, Troutville, Va.
Stevens Tank & Tower Co., Auburn, Me.
Stevens & Thompson, paper & pulp mills, North Hoosick, N. Y.
Stevens Type & Press Co., mchsts., 183 High, Boston, Mass.
Stevens, W. H., sashes, doors & blinds, Cumberland, Ohio.
Stevens, W. L., architect, Whitney Bldg., New Orleans, La.
Stevens, W. L., Inc., canned goods, Cape May, N. J.
Stevens, Walter B., & Son, sailors' palms, dog collars & muzzles, 107 Chambers, New York.
Stevens, Will P., ice machy., 1630 Long Beach av, Los Angeles, Cal.
Stevens & Willis Co., shoe nails, shanks & tacks, South Braintree, Mass.
Stevenson, Bro., & Co., lubricating oils, 110 Race, Phila., Pa.
Stevenson Bros., ties, poles & posts, Jackson, Ohio.
Stevenson & Cameron, contractors, 37 W. 25th, New York.
Stevenson, Chas. I., lbr., Johnson City, Tenn.
Stevenson Coal Co., masons' & bldrs.' matls., Winona, Minn.
Stevenson Cold Storage Door Co., Chester, Pa.
Stevenson & Co., machsts., 607 S. Caroline, Baltimore, Md., & Wellsville, Ohio.
Stevenson, David, & Sons, brick, Ashley, Mich.
Stevenson, D. S., Co., copper ores, First Nat'l Bk. Bldg., San Francisco, Cal.
Stevenson, E. D., carriages, Wadsworth.
Stevenson, Edw. S., heaters, New Castle, Pa.
Stevenson, F. A., masons' & bldrs.' matls., Adrian, Mich.
Stevenson Gear & Mfg. Co., 942 Daly, Indianapolis, Ind.
Stevenson, J. A., & Co., masons' & bldrs.' matls., wholesale hardware, Mount Pleasant, Pa.
Stevenson, Jno. B., mach. & fndrs., Bryan, Tex.
Stevenson & Leonard Mach. Co., Albany, N. Y.
Stevenson Lumber Co., Seattle, Wash.
Stevenson Mfg. Co., automatic wood turnings, South Bend, Ind.
*See adv. index at end of book*
Stevenson, Milford (Est. of), masons' & bldrs'. matls., Etna, Pa.
Stevenson Packing Co., meat, Sedalia, Mo.
Stevenson, R. M., architect, Pocomoke City, Md.
Stevenson, Robert L., architect, 333 Union, Lynn, Mass.
Stevenson, Tom, & Co., umbrellas, 85 5th av, New York.
Stevenson, W. Ward, contr., Winchester, Ky.
Stever, Arthur J., architect, 56 Broadway, New York.
Steverson, J. M., lbr., Alexander City, Ala.
Steves, Ed., & Sons, sashes, doors & blinds, San Antonio, Tex.
Steward, D. M., Mfg. Co., burners, chalks, crayons, slate pencils, gas tips, talc flour, etc., Chattanooga, Tenn.
Steward Davit & Equip. Corp., ship hdwe. specialties, 17 Battery pl, New York City.
Steward, G. S., Co., curtain poles, cedar chests, etc., Norwalk, O.
Steward Hilty Mach. Co., Birmingham, Ala.
Steward, L. & J. A., capping machines, Rutland, Vt.
Steward & Romaine Mfg. Co., 124 N. 6th, Philadelphia, Pa.
Stewardson Packing Co., meat packers, Stewardson, Ill.
Stewardson & Page, architects, 316 Walnut, Philadelphia, Pa.
Stewart, A. Collins, Co., soap, 70 Freeport, Boston, Mass.
Stewart, A. F., brooms, 824 Arcade, St. Paul, Minn.
Stewart, A. F., police wagons, hose carriages, etc., Rochester, N. Y.
Stewart, A. L., & Sons, canned goods, Cherryfield, Me.
Stewart, A. T., Lumber Co., 7801 Greenwood av, Chicago, Ill.
Stewart, Alex., Lumber Co., Wausau, Wis.
Stewart, Alfred C., Machine Works, gasoline fuel savers, Los Angeles, Cal.
Stewart & Bergen Co., cornices, Fort Plain, N. Y.
Stewart Boiler Works, Worcester, Mass.
Stewart Bros., contractors, Columbia, Mo.
Stewart Bros., machsts., Lynn, Mass., & Ottawa, Ill.
Stewart Bros. & Co., carriages, Cambridge, Mass.
Stewart Bros. Co., mill & facty. supps., Portland, Ore.
Stewart Bros. Hardware Co., Memphis, Tenn.
Stewart, C. W., architect, Bridgeport, Conn.
Stewart-Carey Glass Co., Indianapolis, Ind.
Stewart & Carlson, flour, Prineville, Ore.
Stewart & Co., modeling clays, 24 B'way, New York.
Stewart & Delanney, lumber, Curtin, Ore.
Stewart & Donohue, stone prod., Wilmington, Del.
Stewart, Edmund T., architect, 201 Devonshire, Boston, Mass.
Stewart Engineering Corp., contractors, 61 B'way, New York.
Stewart, F. H., Elec. Co., socket strain relief grips, 37 N. 7th, Philadelphia, Pa.
Stewart, F. P., Granite Co., stone producers, Hamilton, Ohio.
Stewart, Frank H., Elec. Co., lamp cord adjusters, bushings, etc., 35 N. 7th, Philadelphia, Pa.
Stewart, G. A., brick, Madisonville, Ky.
Stewart, G. J., & Co., masons & bldrs.' matls., Charlton, Ia.

Stewart & Gabriel, leather & wholesale, 808 B'way, Oakland, Cal.
Stewart, Geo. B., Co., water heaters, Chamber of Commerce Bldg., Pittsburgh, Pa.
Stewart, Geo. S., Co., dictionary holders, Norwalk, Ohio.
Stewart, Geo. W., archit., Woods Bldg., St. Petersburg, Fla.
Stewart-Greer Lumber Co., St. Louis, Mo.
Stewart & Hayden Co., mill & facty. supplies, Burlington, Ia.
Stewart Heater Co., condensers, pumps, etc., North Tonawanda, N. Y.
Stewart-Holland Co., archl. iron, Wabash Bldg., Pittsburgh, Pa.
Stewart, Hope D., contractor, Amer. Bk. Bldg., Seattle, Wash.
Stewart, I. N., lbr., Peoples Bank Bldg., Buffalo, N. Y.
Stewart Iron Co., Ltd., Rockefeller Bldg., Cleveland, Ohio.
Stewart Iron Works Co., gates, railings, etc., Covington, Ky.
Stewart, J. L., architect, 703 Market, San Francisco, Cal.
Stewart, J. L., contractor, Rochester, N. Y.
Stewart, J. M., & Co., masons' & bldrs.' matls., Indiana, Pa.
Stewart, J. R., carriages, Coshocton, Ohio.
Stewart, J. Roland, canned goods, Cambridge, Mass.
Stewart, J. W., Co., cornices, Lowell, Mass.
Stewart, Jas., & Co., contractors, 13th, So. of 12th av, Baltimore, Md., & Girard Pt., Philadelphia, Pa.
Stewart, Jas., & Co., Inc., contractors, 30 Church, New York.
Stewart, Jas. M., & Co., wholesale hardware, Indiana, Pa.
Stewart, Jas. R., & Robt., architect, W. 519 Main, Cincinnati, O.
Stewart-Jones Co., contractors, Rock Hill, S. C.
Stewart, Jos. I., contractor, 1295 Commonwealth, Boston, Mass.
Stewart Lbr. Co., Joplin, Mo.
Stewart-McGehee Construction Co., Little Rock, Ark.
Stewart Mfg. Co., die castings, 4535 Fullerton, Chicago, Ill.
Stewart Mfg. Co., truck units & concrete machy., Waterloo, Ia.
Stewart Motor Corp., Buffalo, N. Y.
Stewart, Mowry Co., varnish mfrs., 3218 Shields av, Chicago, Ill.
Stewart, Paul, & Co., machy. dlrs., First Natl. Bank Bldg., Cincinnati, O.
Stewart-Peck Sand Co., Amer. Bank Bldg., Kansas City, Mo.
Stewart Phonograph Corp., talking machines, 4535 Fullerton av, Chicago, Ill.
Stewart, R. A., & Co., stencils, steel stamps, etc., 201 B'way, New York.
Stewart, R. T. & C. D., Contr. Co., Easton, Pa.
Stewart, S. A., & Co., fire alarms, Waltham, Mass.
Stewart, S. B., heating contr., 306 Front, Bellevue, Cincinnati, Ohio.
Stewart, S. J., armature coils, 312 Carondelet, New Orleans, La.
Stewart, S. P., & Son, architects, Bowling Green, Ohio.
Stewart-Skinner Co., elec. lanterns, harness awls, Worcester, Mass.
Stewart, T. J., Lbr. Co., Oklahoma, Okla.
Stewart, Thos., mason bldrs., Bridgeport, Conn.
Stewart, Thos. A., Co., elec. contrs., Hartford, Conn.
Stewart, W. E., brick, Mankato, Minn.
Stewart, W. F., Co., metal auto. bodies, Flint, Mich.
Stewart-Warner Speedometer Corp., elec'l horns, etc., 1826 Diversey Parkway, Chicago, Ill.
Stewart Wholesale Co., whol. hdwe., Boise, Idaho.
Stewart, Wiley, lumber mfr., Eva, Ala.
Stewart, Willard L., contractor, E. E. Trust Bldg., Pitts'bg, Pa.
Stewart, Wm., architect, Wabash, Ind.
Stewart Wire Wheel Corp., Frankfort, Ind.
Stichter Hardware Co., Reading, Pa.
Stickle, G. W., masons' & bldrs.' matls., Rockaway, N. J.
Stickler, J. M., woolen blankets, Mauston, Wis.
Stickles, Walter F., architect, 10 N. 2nd av, Mount Vernon, N. Y.
Stickley, E. B., Machy. Co., dirs., 217 E. Cong., Detroit, Mich.
Stickney, Clarence, lbr. mfrs., West Townsend, Mass.
Stickney, F. W., architect, 18 Shattuck, Lowell, Mass.
Stickney, Hy., machst., 31 Milk, Portland, Me.
Stickney, J. W., & Co., paints, Boston, Mass.
Stickney, John B., cornices & skylights, Belfast, Me.
Stickney & Montague, addressing & mailing machines, Chattanooga, Tenn.
Stickney, Tirrell & Co., chalk mfrs., 31 Milk, Boston, Mass.
Stickney, W. W., architect, Pueblo, Colo.
Stief Bros., brick & tile, Carey, Ohio.
Stiefel, Geo., Co., brewers' machy., 4651 Gross av, Chicago, Ill.
Stieff, Chas. M., pianos, 9 N. Liberty, Baltimore, Md., & 122 Boylston, Boston, Mass.
Stier, Herman, brass castings, 814 George, Chicago, Ill.
Stierlin Machine & Die Works, sheet metal stamping, 625 W. Jackson blvd., Chicago, Ill.
Stiers, F. A., contractor, 4500 Enright, St. Louis, Mo.
Stifel, Chas. F., Co., harness lthr., Preble & Juniata, N. S., Pittsburgh, Pa.
Stiffel & Freeman Co., machsts. & fndrs., 723 Chestnut, Philadelphia, Pa.
Stiglitz, Chas. G., & Sons, founders, Louisville, Ky.
Stikeman, Geo., metallic library fittings, 114 W. 32d, New York
Stiles Bros. Co., lbr. mfrs., Grand Rapids, Mich.
Stiles, E. M., masons' & bldrs.' matls., Paterson, N. J.
Stiles, Geo. W., Construction Co., 11 S. La Salle, Chicago, Ill.
Stiles, H. A., & Co., emery & corundum & woodwork mfrs., handles, etc., 93-97 Oliver, Boston, Mass.
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Stiles & Hart Brick Co., Taunton, Mass.
Stiles, I. H., masons' & bldrs.' matls., Battle Creek, Mich.
Stiles, I. L., & Son Brick Co., New Haven, Conn.
Stiles, T. Geo., Co., machsts., Arlington, N. J.
Stiles, Wayne E., landscape architect, 95 Oliver, Boston, Mas
Stiles, Wm. H., crude rubber, 79 Wall, New York.
Still, Jos. H., cornices & skylights, Hastings, Neb.
Still, W. R., masons' & bldrs.' matls., Conyers, Ga.
Still & Seaborn, lbr., Cleveland, Tenn.
Stillburg, Jos., architect, Fort, Pittsburgh, Pa.
Stillman, Allen P., Inc., sheet metal stamping, 351 Jay, Brooklyn, N. Y.
Stillman, Carmichael Co., damper regulators, 19 Pearl, Boston Mass.
Stillman-Delehanty-Ferris Co., contractors & dock bldrs., 2 Exchange pl, Jersey City, N. J.
Stillman, F. M., Co., contractors, 26 Exchange pl, Jersey City N. J.
Stillman, J. A., lumber, Tidioute, Pa.
Stillman, Michael, architect, 9 W. 47th, New York
Stillwater Hardware Co., Stillwater Minn.
Stillwater Lumber Co., Little Falls, Wash.
Stillwater Mfg. Co., sashes, doors & blinds, Stillwater, Minn.
Stillwater Milling Co., flour, Stillwater, Okla.
Stillwell Bros., contractors, Seattle, Wash.
Stillwell, E. W., & Co., architects, Henne Bldg., Los Angeles, Ca
Stillwell, Erie G., architect, Hendersonville, N. C.
Stillwell & Gladding, chemists, 95 Front, New York.
Stillwell, Jos., contractor, Mantoloking, N. J.
Stillwell Laboratory, chemists, 76 Pine, New York.
Stillwell, S. H., contractor, Princeton, N. J.
Stilwell, Arthur A., & Co., oils, 28 Cliff, New York.
Stimmel, Sam'l, machst., 508 W. B'way, New York.
Stimple & Ward Co., armature coils, 518 Sandusky, Pittsburgh Pa.
Stimpson, Edwin B., Co., eyelets, gas attachments, grommet setting machy., etc., 68 Franklin av, Brooklyn, N. Y.
Stimpson Equipment Co., flotation machines, Salt Lake City Utah.
Stimpson Scale & Mfg. Co., Northville, Mich.
Stimson, J. V., lumber, Huntingburg, Ind.
Stimson, J. V., Hardwood Co., Memphis, Tenn.
Stimson Mill Co., lumber, Seattle, Wash.
Stimson, V. S., architect, 318 Symons Block, Spokane, Wash.
Stimson, T. F., founders, Hancock, N. Y.
Stimson Veneer & Lbr. Co., Memphis, Tenn.
Stinchcomb & Boddy, landscape architects, B. of L. E. Bldg. Cleveland, Ohio.
Stine, C. W., Pottery Co., White Cottage, Ohio.
Stine, David L., & Son, architect, Valentine bldg, Toledo, Ohio
Stine, J. R., & Co., beltng, 465-471 Kent av, Brooklyn, N. Y.
Stine, J. C., Co., machsts. & fndrs., Tyrone, Pa.
Stine, S. B., mill & facty. supplies, Osceola Mills, Pa.
Stine, Sam'l R., machsts. & fndrs., McVeytown, Pa.
**STINE SCREW HOLES CO.** ("Stine"), Waterbury, Conn.
*See adv. index at end of book*
Stines, A. H., Jr., architect, 132 4th, Brooklyn, N. Y.
Stinson, B. F., & Co., polishes, Buffalo, N. Y.
Stinson Box Co., packing, 2129 S. Peoria, Chicago, Ill.
Stinson & Dickinsheets, masons' & bldrs.' matls., Gloucester, N. J.
Stinson, Edward, Mfg. Co., wagon spokes, 327 Guilford, Baltimore, Md.
Stinson Traction Co., Minneapolis, Minn.
Stipes & Hecker, bldrs.' matls., Champaign & Urbana, Ill.
Stipes, Jno. W., contr., Champaign, Ill.
Stipes & Pilcher, contrs., Champaign, Ill.
Stipp, Ludwig T., contractor, Scranton, Pa.
Stipp, Mathias, brick, Scranton, Pa.
Stipp, Peter, & Sons, stove prod., Scranton, Pa.
Stirling-Warfel Mill Supply Co., Erie, Pa.
Stirling Woolen Mills, Lowell, Mass.
Stirlith, J. A., Bros., scrap iron & steel, Wilmington, Del.
Stirrup Mfg. Co., metal nov. & spec., Market st., Newark, N. J.
Stitt Ignition Co., screw mach. products & spark plugs, Columbus, Ohio
Stitt, James C., architect, Norfolk, Neb.
Stitt, Robert G., machinist, Toledo, Ohio.
Stittville Canning Co., Stittville, N. Y.
Stiver, Harvey, contractor, Rialto Bldg., Kansas City, Mo.
Stock, G. B., Xylite Grease & Oil Co., Port Huron, Mich.
Stock, Jno., Sons, whol. hdwe., San Jose, Cal.
Stock, Lester H., contractor, Hearst Bldg., San Francisco, Cal.
Stock, M. W., contractor, St. Joseph, Mich.
Stockbridge Machine Co., index centers, planer grinders & shaping machy., Worcester, Mass.
Stockdale Tile & Brick Co., Corrothers, Ohio.
Stockdell Myers Hardware Co., Petersburg, Va.
Stockdon, B. F., & Bros., machsts. & fndrs., Staunton, Va.
Stocker Concrete Material Washer Co., sand, Highland, Ill.
**Stocker, F. W., Inc., contrs. equipt., 1119 Clinton, Hoboken, N. J.**
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Stocker Material Washer Co., gravel washers, Highland, Ill.
Stocker-Rumley-Wachs Co., machy. dlrs., 117 N. Jefferson, Chicago, Ill.
Stockert, G. F., & Son, lumber, Buckhannon, W. Va.
Stockert, J. J., brick, Churubusco, Ind.
Stockford Reel Co., fishing reels, 330 W. Kinzie, Chicago, Ill.
Stockham, Chas., Lumber Co., Camden, N. J.

·kham, E. V., canned goods, Perryman, Md.
kham Pipe & Fittings Co., Birmingham, Ala.
kham, T. B., architect, Morrisville, Pa.
kman, W. E., architect, Railway Ex. Bldg., Omaha, Neb.
khauser, Chas. L., Co., contractors, Nat. Marine Bk. bldg., Baltimore, Md.
khoff Supply Co., steam htg. contrs., 107 N. Main, St. Louis, Mo.
kholm & Allyn, contractors, Monadnock Bldg., San Francisco, Cal.
kholm, Chas., & Son, contrs., Monroe Bldg., San Francisco, Cal.
king, Geo. E., canned goods, Rochelle, Ill.
kland Road Machy. Co., Minneapolis, Minn.
klin, W. C., Co., patterns & models, Columbus, Ohio.
kport Fibre Co., cotton batting, Stockport, N. Y.
kton, A. L., Lumber Co., 6130 Mission, San Francisco, Cal.
kton Canning Co., Stockton Springs, Me.
kton Fire & Enamel Brick Co., Rialto Bldg., San Francisco & Stockton, Cal.
kton Iron Works, Stockton, Cal.
kton, Louis L., architect, 35 W. 39th, New York.
kton Rubber Co., Stockton, N. J.
rton, W. H., masons' & bldrs.' matls., Ashtabula, Ohio.
kwell & Co., blower mfrs., sad irons, etc., 229 N. Holliday, Baltimore, Md.
kwell, J. W., Co., fertilizer mfrs., Fillmore, N. Y.
rwell, L. W., Co., mattresses, Alameda, Los Angeles, Cal.
dard Construction Co., 343 S. Dearborn, Chicago, Ill.
dard, D., & Son, roofing slate mfrs., Bangor, Pa.
dard-Jakel Mach. & Tool Co., Kerr Bldg., 100 Beaubien, Detroit, Mich.
dard Oil Co., lubricating oil jobbers, 17 Battery pl, New York City.
dard Rubber Co., 120 Commercial, Worcester, Mass.
dard Tel. Const. Co., Monroe, Mich.
dard Union Co., Warren, Ohio.
dard & Hopkinson, architects, 1739 Euclid av, Cleveland, O.
dart, A. P., & Co., mill & facty. supplies, Gloucester, Mass.
dart, Wm. L., architect, 9 E. 40th, New York
der, W. F., sand blast nozzles, P. O. Box 747, Syracuse, N. Y.
ckle, W. A., masons' & bldrs.' matls., Sterling, Ill.
ting, C. H., Co., chemical app., 3047 Carroll av, Chicago, Ill.
zle, John, & Bro., cornices & skylights, Murphysboro, Ill.
rmer, G. A., flour, Eagle Lake, Tex.
tze, R. E., architect, 431 S. Dearborn, Chicago, Ill.
el & Brach, masons' & bldrs.' matls., Racine, Wis.
r & Freund, machsts. & fndrs., Muscatine, Ia.
eley Bros. & Co., canned goods, Newport, Tenn.
es Bros. Co., lumber mfrs., N. W. 30th & Chestnut, Philadelphia, Pa.
es Bros. Mfg. Co., machsts., Freehold, N. J.
es Contractors, Brisbane Bldg., Buffalo, N. Y.
es, E. K., bags, & bagging, 78 Pearl, New York.
es, F. J., Machine Co., bricketting, chemical & pharmaceutical machy., 17th & Cambria, Philadelphia, Pa.
es, J. J., & Son, flour mills, Monticello, Ky.
s, Jos., Rubber Co., Trenton, N. J.
s Mfg. Co., sewing cabinets, Montgomery, Pa.
s Milling Co., flour, Watertown, S. D.
s & Parrish Elev. Co., 16th & Samson, Philadelphia, Pa.
s & Smith Co., paper box covering machines, Summerdale Sta., Philadelphia, Pa.
s, T. C., masons' & bldrs.' matls., Olmstead Falls, Ohio.
s & Whittingham, contractors, Penobscot Bldg., Detroit, Mich.
s, Wm. A., & Co., ladders, racks, bread & ironing boards, etc., 50 Howard, New York.
s, Zeller, Co., architects & contractors, Chamber of Commerce Bldg., Portland, Ore.
ey, Jas., & Co., umbrella mfrs., 728 Cherry, Phila., Pa.
Casket Co., Upper Sandusky, Ohio.
D. H., Co., machsts., Buffalo, N. Y.
Oil Refining Co., asphaltum, Louisville, Ky.
Robt., badges & buttons, 12 John, New York City.
erg Hardware & Paint Co., Toledo, Ohio.
, Anton, & Sons, meat packers, Richmond, Ind.
, Casper, Quarry & Contrg. Co., stone prod., Cahokis Bldg., East St. Louis, Ill.
, Frank J., drop forgings, 1st Nat. Bk. Bldg., Cincinnati, O.
Lbr. & Veneer Co., Tripoli, Wis.
Co., Inc., automatic lock-seaming machy., Geneva, N. Y.
Oscar, bank & office railings, 20 Fletcher, New York.
r, Chas., Cooperage Co., 3206 Fond du Lac av, Milwaukee, Wis.
, J. & J. W., coffins, etc., 430 E. 106th, New York.
A. G., contractor, Mount Vernon, N. Y.
Electrophone Co., 841 E. 136th, Chicago, Ill.
Jos., & Son, Inc., arch'l iron 1122 Forest av, New York.
A. D., & Co., stone prod., Springfield, Mass.
Base & Panel Co., Columbus, Ohio.
Bros., contrs., Troy, N. Y.
Bros. & Co., trunk mkrs., 1501 Polk, Chicago, Ill.
C. Moulton Co., roller skins, 456 Benefit, Providence, R. I.
C. O., & Son, contractors, Middletown, Conn.
C., & Sons auto. wood bodies and carriages, 1658 Ogden v., Chicago, Ill.

Stone, Carpenter & Sheldon, architects, Ind., Tr. Bldg., Providence, R. I.
Stone, D. S., Lbr., Co., Woodsville, N. H.
Stone, E. B. & A. L., Co., contractors, Rialto Bldg., San Francisco, Cal.
Stone, E. M., architect, 327 Trumbull, Hartford, Conn.
Stone, F. L., machinist, Franklinville, N. Y.
Stone & Forsyth Co., folding paper boxes, 67 Kingston, Boston, Mass.
Stone & Foster Lumber Co., Worcester, Mass.
Stone, Frank B., ties, poles & posts, 80 E. Jackson blvd, Chicago, Ill.
Stone, Fred'k S., architect, 55 B'way, New York.
Stone, G. L., architect, Widdicomb Bldg., Grand Rapids, Mich.
Stone, H. A., & Co., carriages, Berlin, Mass.
Stone & Hershey, lumber, 31 Clinton, Newark, N. J.
Stone-Herling Lumber Co., Bristol, Tenn.
Stone, J. R., Tool & Supply Co., mill & facty. supps., 997 Woodward, Detroit, Mich.
Stone, Jacob, Jr., architect, Sec. Bk Bldg., Minneapolis, Minn.
Stone, James Hicks, archit., 44 Brattle, Cambridge, Mass.
Stone, John R., architect, 8 S. Dearborn, Chicago, Ill.
Stone Lumber Co., 50 Congress, Boston, Mass., & Bristol, Tenn.
Stone Mountain Granite Corp., Stone Mountain, Ga.
Stone, P. F., lbr. mfrs., Rockford, Ill.
Stone & Pinson, machinists, Galena, Kan.
Stone Printing & Mfg. Co., advtg. spec., Roanoke, Va.
Stone Products Co., marble, Muskegon, Mich.
Stone, R. B., & Co., whol. interior finish mfrs., Spencer, Mass.
Stone Roller T., lumber, Keystone, Wash.
Stone, Samuel, Jr., architect, 714 Union, New Orleans, La.
Stone & Stone, contrs., Jefferson City, Mo.
Stone Straw Co., paper sleeves, 30 O. N. C., Washington, D. C.
Stone, T. B., Lbr. Co., Dalton & Hopkins, Cincinnati, Ohio.
Stone Tar Products Co., cement & paints, 97 S. 6th, Brooklyn, N. Y.
Stone, W. F., ship bldrs., Oakland, Cal.
Stone & Webster Engineering Corp., 147 Milk, Boston, Mass.
Stone & Wright, archits., S. J. Val. Bk. Bldg., Stockton, Cal.
Stone, Wm. F., Jr., architect, 14 Eutaw, Baltimore, Md.
Stoneback, Howard L., sash, door & blind, Quakertown, Pa.
Stonebridge, C. H., Mfg. Co., cooking outfits & stoves, camp stools & chairs, sleeeping bags & folding cots, 23 Warren, New York.
Stonega Coke & Coal Co., Stonega, Va.
Stonehouse Steel Sign Co., Denver, Colo.
Stoneman, M. G., & Son, mill & facty. supplies, awnings & tents, Albany, N. Y.
Stoner, F. L., contractor, Massillon, O.
Stoner, Thaw & Co., Ltd., machsts. & fndrs., 1200 W. Carson, Pittsburgh, Pa.
Stonerook, Howard D., contractor, Youngstown, O.
Stonewall Cotton Mills, Stonewall, Miss.
Stoneware Elec. Stove Wks., cooking app., Dover, N. J.
Stoneware Pipe Co., East Alton, Ill.
Stonier, C. R., contractor, Scranton, Pa.
Stonier, Linley J., contractor, Scranton, Pa.
Stonington Gas Lighting & Electric Co., gas machines, Stonington, Me.
Stoney Creek Lbr. Co., Fort Blackmore, Va.
Stony Creek Red Granite Co., Stony Creek, Conn.
Stookey, D. W., brick, Cedar Rapids, Ia.
Stoolman, A. W., contractor, Champaign, Ill.
Stoopack & Carbat, umbrella mfrs., 37 E. 18th, New York.
Stoops Packing Co., canned goods, Van Wert, Ohio.
Stoops, Thos. H., contractor, Connersville, Ind.
Stophelt, Manfred M., architect, Nasby Bldg., Toledo, Ohio.
Stophlet, P. S., Sheet Metal Wks., cornices, 12 E. Missouri av, Kansas City, Mo.
Stoppenbach's, C., Sons, meat packers, Jefferson, Wis.
Stopple Kook Kit Co., camp cooking outfits & stoves, Alma, Mich.
Stopple, W. H., hay presses, Dallas, Texas.
Storage Battery Supply Co., 239 E. 27th, New York.
Storandt, J. W., Mfg. Co., soda water fountains, show cases, etc., Rochester, N. Y.
Storch & Co., cesspools, 1102 Wolf, Philadelphia, Pa.
Storch, L. A. & Co., cornices, 517 E. 73rd, New York.
Storck, Geo., & Son, sash, door & blind, Belleville, Ill.
Storer & Gelotte Co., Granite, Quincy, Mass.
Storer, Richard V., stone producers, 10 S. La Salle, Chicago, Ill.
Storey Bros., flour, Eure, N. C.
Storey, Ellsworth P., architect, New York Bldg., Seattle, Wash.
Storey, H. H. & Co., blue prints & papers, 329 Walnut, Philadelphia, Pa.
Storey, W. M., Lumber Co., 150 Nassau, New York.
Stork, F. W., architect, 7416 3rd av, Brooklyn, N. Y.
Stork, Motor Wks. Co., machinists, Saginaw, Mich.
Storm, John, lumber, Keavy, Ky.
Storm Mfg. Co., elec. dumb waiters, elevators, etc., 50 Vesey, Newark, N. J.
Storm, S. L., lumber, Keavy, Ky.
Storm Waterproofing Corp., 417 5th av, New York.
Stormont, Jas. M., & Bro., brick, Francisco, Ind.
Stormost, Jas., & Son, contractors, La Crosse, Wis.

Storms, H. M., Co., typewriter ribbons, carbon paper, 11 Vandewater, New York.
Storms, J. B., stone prod., Ithaca, N. Y.
Storrie, R. C., & Co., contractors, 2379 Market, San Francisco, Cal.
Storrs Mica Co., mica chimneys, Owego, N Y.
Storsberg, Fritz, Co., bank railings, elec. light fixtures, etc., 24 Atlantic, Newark, N. J.
Stortz, John & Son, machsts, 210 Vine, Philadelphia, Pa.
Story, A. D., ship builders, Essex, Mass.
Story Bros., stone, Blue Mound rd, Milwaukee, Wis.
Story & Clark Piano Co., 317 S. Wabash av, Chicago, Ill.
Story & Flickinger, contractors, 5 Gt. Jones, New York.
Story, J. B., architect, Augusta, Ga.
Story, O. L., Scenic Co., Somerville, Mass.
Stossel, Carl & Sons Co., handles—hammers, chisels, files & mallets, etc., Front Royal, Va.
Stott Bros., cut glassware, 4450 Main, Manayunk, Phila., Pa.
Stott, Frederick S., architect, John L. Kennedy bldg, Omaha, Neb.
Stott, John W., cut glassware, 3600 Cresson, Manayunk, Philadelphia, Pa.
Stott & Son, knitted gloves, Winona, Minn.
Stotz Bros., cornices, Easton, Pa.
Stotz, Edward, architect, Monon. Bk. Bldg., Pittsburgh, Pa.
Stoudt, H. E., contractor, Bethlehem, Pa.
Stouffer Bros., contractors, Decatur, Ill.
Stough, E. K., architect, Verona, Pa.
Stoughton, Allen F., mill & facty. supps., Whitefield, N. H.
Stoughton, Bradley, steel casting & bessemer converters, 29 W. 39th, New York.
Stoughton, G. A., architect, Osage, Ia.
Stoughton Nov. Mfg. Co., inkstands & wells, Stoughton, Wis.
Stoughton Rubber Co., mackintoshes, 130 Essex, Boston, Mass.
Stoughton & Stoughton, architects, 96 5th av, New York.
Stoughton Wagon Co., Stoughton, Wis.
Stout, A. F., & Son, masons' & bldrs.' matls., Monmouth Junction, N. J.
Stout, E. C., architect, Prudential Bldg., Newark, N. J.
Stout, Howard A., architect, Atlantic City, N. J.
Stout, J. C., Lumber Co., Lake Charles, La.
Stout, Jno. C., architect, Rocky Mount, N. C.
Stout Lumber Co., Thornton, Ark.
Stout Mach. Co., motion picture machs., Rockford, Ill.
Stout Sign & Advg. Co., P. G., St. Louis, Mo.
Stoutamire, George W., canned goods, Roanoke, Va.
Stoutamire, P. W., canned goods, Salem, Va.
Stovall Hdwe. Co., whol. hdwe., Chattanooga, Tenn.
Stove & Range Co. of Pittsburgh, Preble av nr. Superior Bridge, Pittsburgh, Pa.
Stover Mach. Wks., New Matamoras, Ohio.
Stover Mfg. & Engine Co., agrl. implements, etc., Freeport, Ill.
Stover Steel Tank Co., auto. metal bodies, Freeport, Ill.
Stow & Davis Furn. Co., bank fix., Grand Rapids, Mich.
Stow Mfg. Co., boring, drilling, tapping, horse clipping, reaming, etc., machinery, 445 State, Binghamton, N. Y.
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Stow, Silas J., fire brick, New Haven, Conn.
Stow Flexible Shaft Co., machsts., N. 26 & Callowhill, Philadelphia, Pa.
Stowe-Fuller Co., fire brick, etc., Rockefeller Bldg., Cleveland, Ohio.
Stowe, J. D., & Sons, paper & pulp mill, Scitico, Conn.
Stowe & Stowe, architects, 309½ 22d, Galveston, Tex.
Stowe & Woodward Co., rubber goods, Brockton, Mass.
Stowell Co. (The), agricultural implements, fndrs., etc., South Milwaukee, Wis.
Stowell, Hy., & Son, pads & tablets, Troy, N. Y.
Stowell Mfg. Co., paints, roofing & shingles, Culver av, Jersey City, N. J.
Stowell, N. S., & Co., textile machy. supplies, turned wood nov., etc., Dixfield, Me.
Stowell, Wm. H., assayers, Spokane, Wash.
Stowers Pork Pckg. & Provision Co., Scranton, Pa.
Strable Lbr. & Salt Co., Saginaw, Mich.
Strable Mfg. Co., lbr., 537 First, Oakland, Cal.
Strachota Bros. Co., bldg. contrs., 396 17th av, Milwaukee, Wis.
Strack, Fred C., contractor, Lackawanna, N. Y.
Strack, Otto, architect, 220 E. 23d, New York.
Strack, Thos. P., contractor, Goodall Bldg., Cincinnati, Ohio.
Strahl & Pitsch, wax, acids, etc., 141 Front, New York.
Straight Bros. See Straight, L. S. (successor).
Straight Creek Chemical Co., wood alcohol, Straight, Pa.
Straight Dry Plate Co., Jamestown, N. Y.
Straight Filament Lamp Co., 42 E. 23d, New York.
Straight Line Engine Co., castings, Syracuse, N. Y.
Strait, H. N., Mfg. Co., agricultural implements, trucks, wagons, etc., Kansas City, Kans.
Strait & Richards, Inc., gas logs, Irvington, N. J.
Strait Scale Co., Kansas City, Kans.
Straiton, Geo., granite, Barre, Vt.
Straitsville Impervious Brick Co., New Straitsville, Ohio.
Stran, C. W., Co., cornices, skylights, 720 Hamilton, Cleveland, Ohio.
Strand Heater & Mfg. Co., stoves, heaters & ranges, 7804 Wade Park, Cleveland, Ohio.
Strand, Martin A., boat oars, skis, New Richmond, Wis.
Strand, N. A., & Co., vibrators, 631 W. Jackson blvd, Chicag Ill.
Strandberg, E. P., Co., contractors, 5010 S. Wabash av, Ch cago, Ill.
Strandel, Chas. A., architect, 118 N. La Salle, Chicago, Ill.
Strandwitz & Scott, blow piping, steel tanks, stacks, etc., Car den, N. J.
Strang Engine Co., machsts., Harvey, Ill.
Strang, Geo., Hardware Co., cornices & skylights, Richlan Center, Wis.
Strange, Chas. S., machst. & fndr., Taunton, Mass.
Strange, John, Paper Co., Menasha, Wis.
Strange, W. G., Lumber Co. (Ltd.), Newlin, La.
Strasbaugh, Harry P., canned goods, Aberdeen, Md.
Strasburg Steam Flouring Mill, Strasburg, Va.
Strasburg's, C., Sons, scrap iron, Ft. Wayne, Ind.
Strasenburgh, R. J., & Co., metal marking inks, Rochester, N. Y
Strassel Gans Paint Co., Louisville, Ky.
Strassel, J. L., asphalt paving contrs., Louisville, Ky.
Stra-Tedge Curtain Frame Co., stretchers, 4537 Pope av, S Louis, Mo.
Strater, Herman, & Sons, machsts. & fndrs., 74 Sudbury, Bos ton, Mass.
Stratford Chemical Co., arsenicacid & insecticides, 25 Cortlandt New York.
Stratford, Geo., Oakum Co., Cornelison av, Jersey City, N. J.
Stratford Paper Co., 170 Cornelison av, Jersey City, N. J.
Strathmore Paper Co., Mittineague, Mass.
Stratton, B. L., contractor, Mason City, Ia.
Stratton & Bragg Co., engines & boilers, mill & facty. supplies Petersburg, Va. *See adv. index at end of book.*
Stratton, C. L., packing box mfrs., East Jaffrey, N. H.
Stratton & Co., lumber, Campbellsburg, Ind.
Stratton, D. A., & Co., broom handles, Atlantic Mine, Mich.
Stratton, E. B., architect, Equitable Bldg., Boston, Mass.
Stratton, E. Platt, naval architect, 80 Broad, New York.
Stratton Fire Clay Co., Empire, O.
Stratton Mfg. Co., bone mills, Erie, Pa.
Stratton Mfg. Co., woodenware & nov. mfrs., Stratton, Me.
Stratton, Milton W., architect, Bar Harbor, Me.
Stratton & Terstegge Co., whol. hdwe., tin & japan ware mfrs. stoves & ranges, etc., 15th & Main, Louisville, Ky.
Stratton-Warren Hardware Co., Memphis, Tenn.
Stratton & Snyder, architects, Union Trust bldg, Detroit, Mich
Straub, A. W., Co., agricultural implements, 3741 Filbert Philadelphia, Pa.
Straub, Chas. M., architect, 147 4th av, New York.
Straub Machinery Co., 1230 Knowlton, Cincinnati, Ohio.
Straube Piano Co., Hammond, Ind.
Straubel Machine Co., Green Bay, Wis.
Strauch, Moritz F., architect, 1356 Diversey P'way, Chicago, Ill
Strauchen, Ed., contractor, Rochester, N. Y.
Straughen, B. W., lumber, Pedricktown, N. J.
Straus Boilerine Co., boiler compounds, 50 Church, New York.
Straus, C. B., architect, Security Bank Bldg., Minneapolis, Minn.
Straus-Hohenstein Co., silkshades, 132 W. 21st, New York.
Straus, M., & Sons, patent leather, 506 Frelinghuysen av, Newark, N. J.
Straus Saddlery Co., 27th & Locus, St. Louis, Mo.
Strause Gas Iron Co., sad irons, 1425 Vine, Phila., Pa.
Strauser, Clayton, E., architect, Mount Carmel, Pa.
Strauss, Adolph, & Co., folding rules, 1140 B'way, New York.
Strauss Bascule Bridge Co., 104 So. Michigan av, Chicago, Ill.
Strauss Bros., architectural iron, Sioux City, Ia.
Strauss Bros. & Co., alarm clocks, goggles, 355 B'way, New York.
Strauss & Buegelusen, aviators' goggles, 16 Hanover pl, Brooklyn, N. Y.
Strauss Co., cornices, 370 Richmond, Providence, R. I.
Strauss & Co., elec. signs, 209 W. 48th, New York.
Strauss, Ferdinand, toys, 7 W. 22d, New York.
Strauss, J. E., ice skates, St. Paul, Minn.
Strauss Knitting Mills, sweaters, etc., 3220 N. Clark, Chicago, Ill.
Strauss, L. & Son, elec. portables, 42 Warren, New York.
Strauss, Wm., show cases, 416 Arch, Philadelphia, Pa.
Straut, W. H., Co., mill & facty. supps., Haverstraw, N. Y.
Straw Plains Milling Co., flour, Strawberry Plains, Tenn.
Strayer, J. D., & Co., contractors, Johnstown, Pa.
Strayhan, J. F., lumber mrfs., Alden Bridge, La.
Streator Brick Co., Streator, Ill.
Streator Clay Mfg. Co., brick, sewer pipe, drain tile, etc., Streator, Ill.
Streator Drain Tile Co., Streator, Ill.
Streator Lumber Co., Streator, Ill.
Strecker Bros. Co., harness, Marietta, Ohio.
Street Bros. Machine Works, Chattanooga, Tenn.
Street-Chatfield Lumber Co., 1880 Fullerton av, Chicago, Ill.
Street, F. L., flour mills, Masontown, W. Va.
Street, J. D., & Co., boiler compounds, lubricating oils, mill & factory supplies, waterproofing materials, etc., 41st & Park, St. Louis, Mo.
Street, J. F., architect, 129 S. 5th, Phila., Pa.
Street & Kent Mfg. Co., fndrs., 549 Fulton, Chicago, Ill.
Street Lumber Co., sash, door & blind, South Hadley Falls, Mass.
Street, N. V., architect, 403 N. Volutsia av, Wichita, Kans.
Street, R. R., & Co., mill & facty. & textile mchy. supplies, etc., 549 Washington blvd, Chicago, Ill.

eeter-Amet Weighing & Recording Co., automatic weighing machines, 4101 Ravenswood av, Chicago, Ill.
eeter Clip & Spec. Co., mfrs. steel clips for struct'l steel & concrete, 4125-27 E. Ravenswood av, Chicago, Ill.
eeter, Hiram R., mchst. & fndr., Grand Ledge, Mich.
eeter, N. R., & Co. parers, hdwe. specialties, 220 N. Water, Rochester, N. Y.
eeter & Sons Co., masons' & bldrs.' matls., Worcester, Mass.
'eich, A., & Bro. Co., buggies, carts, wagons, etc., Oshkosh, Wis.
eicher, H. P., Co., contractors, Terminal Bldg., Toledo, Ohio.
elinger, Chas. A., Co., machinery dealers, mill & factory supplies, 43 E. Larned, Detroit, Mich.
elinger Marine Engine Co., 25 St. Aubin, Detroit, Mich.
emel Bros. Roofing & Cornice Co., 1314 N. 3d, Minneapolis, Minn.
eng, M., Sons Co., scrap iron & steel, River & Warfield, Pittsburgh, Pa.
esen-Reuter & Co., paint mfrs., 5516 Lake Park av, Chicago, Ill.
esen-Reuter & Hancock, Inc., colors, cobalt, etc., 122 S. Michigan, Chicago, Ill.
esenreuter Bros., contractors, 3020 S. Halsted, Chicago, Ill.
evell & De Friest Hardware Co., cornices, Ravenna, N. Y.
evell-Patterson Hardware Co., Salt Lake City, Utah.
icker, Henry H., & Co., canners' paste, etc., 604 W. Pratt, Baltimore, Md.
ickland, Blodget & Law, architects, 26 Pemberton sq., Boston, Mass.
ckland Bros. Machine Co., Tuscaloosa, Ala.
ickland Cotton Mills, Valdosta, Ga.
ckland, L. E., lbr., Dacula, Ga.
ckland Machine Co., foundry, 2330 E. Main, Richmond, Va.
ickland Pattern Works, Chattanooga, Tenn.
ickland, R. F., Co., fertilizer, Concord, Ga.
ickland-Tillman Hardware Co., Valdosta, Ga.
ckland's, A. J., Mfg. Works, fertilizer, Valdosta, Ga.
ickler, B. F., & Sons, mchsts. & fndrs., Benroy, Pa.
ckler Bros. Canning Co., Tippecanoe City, Ohio.
ickler, C. F., & W. H., Milling Co., flour, Lebanon, Pa.
ickler, Frank, founder, East Prospect, Pa.
ickler Hay Tool Co., Janesville, Wis.
iebel, A. J., & Co., heating contrs., 52 2d, Milwaukee, Wis.
.ebinger, Frederic W., architect, 1900 Euclid av, Cleveland, O.
ieby & Foote Co., automobile & special drop forgings, 301 Ogden, Newark, N. J.
ieder, J. W., Co., cigar machinery, 178 Ruggles, Boston, Mass.
iegel, Geo. J., contractor, Sandwich, Ill.
iffler, Edw. C., whosale hardware, 591 11th av, New York.
ine, Geo. C., contr., Clinton, Ill.
inger, J. M., & Son, flour, Skiatook, Okla.
inger, R. L., lumber mfr., Algoa, Ark.
ite Governor Pulley Co., 307 S. 3rd, Minneapolis, Minn.
ite Tractor Co., Plymouth bldg, Minneapolis, Minn.
itesky, L. R., architect, Empire State Bldg., Spokane, Wash.
ittmatter, A., architect, 444 Field av, Detroit, Mich.
obel, Philip & Sons, interior hardwood work, 53 Elizabeth, New York.
obel Steel Const. Co., Monadnock Blk., Chicago, Ill.
obel & Wilken Co., toys, games & nov., 61 W. 23d, New York.
obell & Crane, silver nov., 33 E. Kinney, Newark, N. J.
obl Mfg. Co., dressers, wheel, 410 N. Western av, Chicago, Ill.
*See adv. index at end of book*
ock, L. W., & Co., wooden handle mnfr., Bethlehem, Pa.
oebel, J. F., cornices & skylights, Neenah, Wis.
oebel, Wm. L., architect, Martin Bldg., Utica, N. Y.
oeh, Herman J., architect, Commerce Bldg., Kansas City, Mo.
oehle Machy. & Supply Co., Black Hawk, Colo.
oh Die Moulded Casting Co., 161 Michigan, Milwaukee, Wis.
ohl Steel Hardening Process Co., First Nat'l Bank Bldg., Pittsburgh, Pa.
oh Steel Hardening Process Co., Pittsburg, Pa., & Hobart Bldg., San Francisco, Cal.
oh Steel Hardening Co., tube mill linings, crusher rolls, gear & pinions, 1st National Bank Bldg., Pittsburg, Pa.
oh & Wilson, mill & facty. supplies, 420 W. 42d, New York.
ohecker, A. J., tires, Reading, Pa.
ohm, W. A., & Bro., machsts., 1612 W. Lake, Chicago, Ill.
ohmeyer & Arpe Co., sealing wax, 139 Franklin, New York.
oker, Fritz C., & Son, agricultural implements, Olney, Mo.
om-Johnson Construction Co., Grand Rapids, Mich.
ombach, W. H., architect, 222 Market, Newark, N. J.
omberg, Allen & Co., street ry. tickets, 430 S. Clark, Chicago, Ill.
omberg-Carlson Tel. Mfg. Co., lightning arresters, telephone apparatus, etc., 1050 University av, Rochester, N. Y. *See adv index at end of book.*
omberg Electric Co., 606 So. Michigan av, Chicago, Ill.
omberg Motor Devices Co., carbureters, 64 E. 25th, Chicago, Ill.
omsburg Brick Co., Stromsburg, Neb.
onach Door Check Co., 618 S. Canal, Chicago, Ill.
ong, C. H., & Co., soap, 180 N. Market, Chicago, Ill.
ong, C. H., & Son, contractors, Swetland Bldg., Cleveland, O.
ong, Carlisle & Hammond Co., furnaces, machinery, mill & factory supplies, etc., 336 Frankfort av, N. W., Cleveland, Ohio.

Strong, Carlton, architect, Union Bank Bldg., Pittsburgh, Pa.
Strong, Chas. H., & Son, dock bldrs., Swetland Bldg., Cleveland, Ohio.
Strong, Chas. R., archit., St. Paul Bldg., Cincinnati, Ohio.
Strong, Edward A., architect, 6808 Hollywood, Los Angeles, Cal.
Strong, H. B., sashes, doors & blinds, Wilkesville, O.
Strong, H. C., machst. & fndr., Mauston, Wis.
Strong & Hale Lumber Co., Portland, Conn.
Strong Hardware Co., Burlington, Vt.
Strong Hdwe. Co., whol. hdwe., New Brunswick, N. J.
Strong & Hery Co., mill & factory supplies, Rochester, N. Y.
Strong, Homer, machinery dealer, mill & facty supplies, etc., Rochester, N. Y.
Strong, John Co., flour mills, masons' & bldrs.' matls., South Rockwood, Mich.
Strong, Kennard & Nutt Co., goggles, 2044 E. 9th, Cleveland, Ohio.
Strong, L. T., architect, Bowling Green, Ohio.
Strong Machy. & Supply Co., 21 Walker, New York.
*See adv index at end of book.*
Strong Mfg. Co. (casket), hdwe. mfrs., Winsted, Conn.
Strong Mfg. Co., enameled ware mfrs., Sebring, Ohio.
Strong, Mason R., architect, 7 Wall, New York.
Strong, Nelson, contractor, Sayville, N. Y.
Strong, Paul K., architect, Kenton, Ohio.
Strong-Scott Mfg. Co., mill & facty. supplies, 413 S. 3d, Minneapolis, Minn.
Strong Steel Foundry Co., Buffalo, N. Y.
Strong Veneer Co., Gerry, N. Y.
Stroock Felt Mills, felt mfrs., Newburgh, N. Y.
Strother & Phinney, meal, fertz. mfrs., West Union, S. C.
Stroud, E. H. & Co., fertilizer & pulverizer machy., etc., 928 and 934 Fullerton av, Chicago, Ill.
Stroud Cotton Oil Co., meal, Stroud, Okla.
Stroud-Doyle Co., luorg. oils, Oshkosh, Wis.
Stroud & Co., road machines, plows, wagons, Omaha, Neb.
Stroudsburg Engine Works, Stroudsburg, Pa.
Stroup, D. V., architect, James Bldg., Chattanooga, Tenn.
Stroup, L., sash, door & blind mfr., Alliance, Ohio.
Stroup, P. N., & Co., masons' & bldrs.' matls., La Grange, Ind.
Stroup, S. P., Lumber Co., Shelbyville, Ind.
Strout Bros., contractors, Chelsea, Mass.
Strout, Geo. F., 621 Main, Boston, Mass.
Strout, Wm. A., architect, 81 Fulton, New York.
Struhe Machine Works, 337 W. 25th, Chicago, Ill.
Strubel's Ridgewood Iron Works, 1604 De Kalb av, Brooklyn, N. Y.
Struble, Hy., Cut Stone Co., 209 S. La Salle, Chicago, Ill.
Strubler Computing Scale Co., Elkhart, Ind.
Struck, Alfred, & Co., contractors, Louisville, Ky.
Struck, Fred M., contractor, East Orange, N. J.
Structo Mfg. Co., toy metal bldg. matls., Freeport, Ill.
Structural Concrete Co., Dayton, Ohio.
Structural Slate Co., Pen Argyl, Pa.
Strunk, Sherwin, Co., masons' & bldrs.' matls., Windom, Minn.
Strunz, S., & Son, soap, 708 Bingham, Pittsburgh, Pa.
Struppmann, C., & Co., embossing dies, W. Hoboken, N. J.
Struss, Chas., contractor, La Porte, Ind.
Struthers Coal & Coke Co., Citizens' Bldg., Cleveland, Ohio.
Struthers Cooperage Co., Struthers, Ohio, & Romeo, Mich.
Struthers Furnace Co., basic & fdry. pig iron, Citizens' bldg, Cleveland, Ohio.
Struthers Mill Co., sash, door & blind mfrs., 3345 Grand av, Chicago, Ill.
Struthers, Robert, architect, 13 W. 30th, New York.
Struthers, W. F., architect, 209 9th, Pittsburgh, Pa.
Struthers-Wells Co., steel plate construction, riveted & welded, Warren, Pa.
Struthers-Ziegler Cooperage Co., Book bldg, Detroit, Mich.
Strutt, Wm., lamps, Paterson, N. J.
Struve, John, flour, Lyons, Ia.
Struven, Chas. M., & Co., mill & facty supplies, 114 S. Frederick, Baltimore, Md.
Struyk, John S., architect, Post Office bldg, Passaic, N. J.
Stryker, A. A., & Sons, contrs., Summit, N. J.
Stryker, A. Y., cornices, Princeton, N. J.
Stryker Boat-Oar & Lumber Co., Stryker, Ohio.
Stryker Builders' Supply Co., Stryker, Ohio.
Stryker, C. W., auto. tire holders, Syracuse, N. Y.
Strype, Richard, contractor, 40 Coffey, Brooklyn, N. Y.
Stuart, B. Dudley, architect, Walker bldg, Seattle, Wash.
Stuart, Burt, architect, Meridian, Miss.
Stuart, D. A., & Co., cutting lubricants, lubrg. oils, 2733 S. Troy, Chicago, Ill.
Stuart Foundry Co., 207 Junction, Detroit, Mich.
Stuart, G. W., architect, St. Petersburg, Fla.
Stuart-Howland Co., elec. railway supplies, 234 Congress, Boston, Mass.
Stuart & Peterson Co., autoclaves, Burlington, N. J.
Stuart Products Corp., batteries, 633 Washington, Chicago, Ill.
Stuart, Robt. J. & T. H., machsts. & fndrs., New Hamburg, N. Y.
Stuart, T., & Son Co., contractors, 166 Devonshire, Boston & Newton, Mass.
Stuart, Wm. A., bldg. contr., Auburn, N. Y.
Stuart, Wm. G., masons' & bldrs.' matls., Skaneateles, N. Y.
Stubbs Steel Co., file mfrs., 17 N. 5th, Philadelphia, Pa.

Stubbs, Warren, contr., Granite City, Ill.
Stuber, F., & Son, cornices & skylights, Lawrenceburg, Ind.
Stuber & Kuck Co., lawn sprinklers, tinware, etc., Peoria, Ill.
Stubin Geyser Elec. Water Heater Co., Steubenville, Ohio.
Stubner Chemical Wks., Inc., oils, colors, dyes & dyestuffs, Elizabeth, N. J.
Stuck, C. A., & Sons, masons' & bldrs.' matls., Jonesboro, Ark.
Stucker Bros. Construction Co., contrs., Harrisburg, Pa.
Stuckey, Adam & Son, contrs., Harrisburg, Pa.
Stuckey, S. F., lbr., Eutaw, Ala.
Stucki, A., side bearings, Oliver Bldg., Pittsburgh, Pa.
Stuckstede, Hy., Bell Fndry. Co., 1312 S. 2d, St. Louis, Mo.
Studebaker Bros. Co., carriages, Ogden, Utah, & San Fran., Cal.
Studebaker Corp., auto. bldrs., carriages, wagons, etc., South Bend, Ind.
Studishar, Frank, architect, Glencoe Bldg., Duluth, Minn.
Study & Farrar, architects, Arcade bldg, St. Louis, Mo.
Study, Guy, architect, Wright Bldg., St. Louis, Mo.
Stuebe, Leon F. W., architect, Danville, Ill.
Stuebing Automatic Machine Co., 308 Walnut, Cincinnati, Ohio.
Stuebing Truck Co., W. Court, Cincinnati, Ohio.
Stuebner, G. L., Iron Works, Queensboro Terminal, Long Island City, N. Y. *See adv index at end of book.*
Stuekert & Co., architects, Crozer bldg, Phila., Pa.
Stuempfle's, David, Sons, masons' & bldrs.' matls., Williamsport, Pa.
Stuetzle, Charles, glass stainers, 106 S. 8th, Brooklyn, N. Y.
Stuhlman Bros., carriages, Palmyra, Mo.
Stuhlmiller Mantel Works, Buffalo, N. Y.
Stuhr Lumber Co., 936 Lumber Exchange, Minneapolis, Minn.
Stulen, Walter H., architect, 101 Market, Pittsburgh, Pa.
Stulp, Fred J., hose menders, 220 Sanford, Muskegon, Mich.
Stulsoft, M., Co., plumbers' supplies, 647 Missouri, San Francisco, Cal.
Stultz, Ben. F., flour mill, Mathias, W. Va.
Stultz, C. M., flour mill, New Market, Va.
Stulz-Sickles Co., contrs' tools & supps., 121 Lafayette, Newark, N. J.
Stumpe, F. W., brick, Washington, Mo.
Stumpf, Jacob, & Son, contractors, Lancaster, Pa.
Stupakoff, S. H., pyrometers & furnaces, 6639 Hamilton av, Pittsburgh, Pa.
Stupp Bros. Bridge & Iron Co., Frisco Bldg., St. Louis, Mo.
Sturdevant-Murray Mfg. Co., children's vehicles, Mullet & Rivard, Detroit, Mich.
Sturdevant & Poggi, architects, Coal Exch. Bldg., Wilkes-Barre, Pa.
Sturges, Benjamin, contractor, 3931 Geary, San Francisco, Cal.
Sturges & Burn Mfg. Co., steel churns, milk & ice cream cans, 838 W. Congress, Chicago, Ill.
Sturges, Howard P., architect, 19 S. La Salle, Chicago, Ill.
Sturges, Louis H., architect, Board of Trade Bldg., Indianapolis, Ind.
Sturges Lumber Co., Sedalia, Mo.
Sturgess, Frank M., contractor, Danbury, Conn.
Sturgis Bros., contractors, Morristown, N. J.
Sturgis, G. E., Supply House, jobbers of conveyors, Mission, San Francisco, Cal.
Sturgis-Jones Last Co., wooden shoe lasts, Brockton, Mass.
Sturgis Machine Co., machsts. & fndrs., Sturgis, Mich.
Sturgis Milling Co., flour, Sturgis, Ky.
Sturgis, R. Clipston, architect, 120 Boylston, Boston, Mass.
Sturgis, S. D., Mach. & Tool Wks., Los Angeles, Cal.
Sturgis Steel Go-Cart Co., children's carriages, Sturgis, Mich.
Sturgis, W. B., & Sons, agricultural implements, Shelbyville, Ill.
Sturm, Adolph, Co., veneer mfrs., 542 Wash. blvd., Chicago, Ill.
Sturm, Meyer J., architect, 116 S. Michigan av, Chicago, Ill.
Sturn Dumwaiters & Elevator Co., Portland, Ore.
Sturtevant Aeroplane Co., Williams, Jamaica Plain, Mass.
Sturtevant, B. F., Co., fans, fan systems & allied products, mfrs., 15 Damon, Hyde Park, Boston, Mass.
Sturtevant & Blood Co., masons' & bldrs.' matls., Owosso, Mich.
Sturtevant & Haley Beef & Supply Co., meat packers, 40 F. H. Market, Boston, Mass.
Sturtevant-Larrabee Co., carriages, Binghamton, N. Y.
Sturtevant Mill Co., crushing, grinding, pulverizing, screening, elevating, conveying, mixing & weighing machinery mfrs., Clayton & Park, Dor., Boston, Mass.
Stutsman, R. O., Co., machsts. & fndrs., Des Moines, Ia.
Stuttgart Mach. Co., Stuttgart, Ark.
Stuttgart Rice Mill Co., Stuttgart, Ark.
Stuttle Brass Mfg. Co., founders, Batavia, Ill.
Stutz Motor Car Co., N. W. cor. Capitol av & 10th, Indianapolis, Ind.
Stutzman, Frank, machinist, Williamsport, Pa.
Stutzman Mfg. Co., fruit evaporators, Ligonier, Ind.
Stuyvesant Piano Co., 605 E. 132d, New York.
Styninger, Jno. A., steam fitters' supplies, Bay City, Mich.
Styve Bros., wholesale hardware, Lake Mills, Ia.
Suarez, Diego De, architect, 347 Madison av, New York.
Suber, A. A., machinist, Deshler, Ohio.
Submarine Boat Corporation, ship bldrs., 11 Pine, New York.
Suburban Coal & Supply Co., masons' & bldrs.' matls., Oak Park, Ill.
Suburban Lighting Co., elec. lgt. plants, Toledo, Ohio.
Success Brick & Tile Co., Greenwood, Miss.
Success Dish Washing Machine Co., Wooster, Ohio.



Success Mfg. Co., metal nov. & specialties, Gloucester, Mass.
Success Milking Mach. Co., 1033 Winnebago, Milwaukee, Wis.
Success Seed Grader Co., Spokane, Wash.
Such Clay Co., South Amboy, N. J.
Sucher, Chas., Packing Co., meat packers, Dayton, Ohio.
Suck, Theo., flour mills, Silverton, W. Va.
Suction System Cleaning Co., hand vacuum cleaners, Sidney, O.
Sudendorf, H. H., masons' & bldrs.' matls., Salina, Kan.
Suderman & Young, contrs., Galveston, Tex.
Sudhoelter, C. H., Co., architects, Joplin, Mo.
Sudlersville Canning Co., Sudlersville, Md.
Suelflohn & Seefeld, wholesale hdwe., 45 2nd, Milwaukee, Wi
Suer, B., & Sons, brick, 138 Duck Creek rd, Cincinnati, Ohio.
Suer, Herman, & Sons, brick, Marburg av, Hyde Park, Cincinnati Ohio.
Suess Glass Co., stainers, Seattle, Wash.
Suffa, Jos., cornices, Watertown, Conn.
Suffolk Clay Co., common brick, Suffolk, Va.
Suffolk Knitting Co., bathing suit mfrs., E. Boston, Mass.
Suffron, C. E., machinist, Peebles, Ohio.
Sugar App. Mfg. Co., Wilmington, Del.
Sugar Grove Brick Co., Columbus, Ohio.
Sugar Machy. Co., Higgins bldg, Los Angeles, Cal.
Sugar Magazine, trade publication, Elm & Duane, Uew York.
Sugar River Canning Co., Waukesha, Wis.
Sugarman, M. H., architect, 681 5th av, New York.
Sugden, Percy, architect, Merchants' Nat. Bk. Bldg., Savannah Ga.
Sugden Press Bagging Co., press cloths, West Chelmsford, Mass
Suitt Bros. Mfg. Co., chairs, Cambridge, Ohio.
Sukernek, Louis, Jr., scrap iron & steel, 993 Clinton, Buffalo N. Y.
Sulligent Cotton Oil Co., Sulligent, Ala.
Sullivan, A. S., architect, Ogden, Utah.
Sullivan Bridge Co., Sullivan, Ind.
Sullivan Bros., carriages, Rochester, N. Y.
Sullivan, C. J., contractor, 252 N. Salina, Syracuse, N. Y.
Sullivan & Carmody, cornices & skylights, Holyoke, Mass.
Sullivan Chemical Co., Acidalia, N. Y.
Sullivan Concrete Wks., roofing tile, Sullivan, Ill.
Sullivan Condensed Milk Co., canned, Sullivan, Wis.
Sullivan, D. E., & Son, contractors, Interurban Terminal Bldg., Columbus, Ohio.
Sullivan, D. J., contractor, Taunton, Mass.
Sullivan, D. T., masons' & bldrs.' matls., Lowell, Mass.
Sullivan, Daniel P., Jr., plumbers' supplies, 250 Congress, Boston, Mass.
Sullivan, Edw. S., Co., mill & facty. supplies, Monadnock, Bldg., San Francisco, Cal.
Sullivan, Eugene, & Son, granite, Barre, Vt.
Sullivan-Geiger Co., tinware mfrs., Indianapolis, Ind.
Sullivan Hardware Co., Anderson, S. C.
Sullivan, J. A., & Co., masons' & bldrs.' matls., Northampton, Mass.
Sullivan, J. F., contractor, Newport, R. I.
Sullivan, J. H., contractor, 20 Lake Br., Boston, Mass.
Sullivan, J. H. (Est. of), masons' & bldrs.' matls., Whitehall, N. Y.
Sullivan, J. J., contractor, 272 W. 5th, Boston, Mass.
Sullivan, J. P., & Sons, Inc., contrs., Newport, R. I.
Sullivan, J. S., Saddletree Co., Jefferson City, Mo.
Sullivan, J., & Sons Mfg. Co., cotton webbing, 2224 N. 9th, Philadelphia, Pa.
Sullivan, J. T., masons' & bldrs.' matls., 2360 Fulton, Brooklyn, N. Y.
Sullivan, Jas., & Son, gelatine & glue, Marblehead, Mass.
Sullivan, Jno., brick, Lansdowne, Pa.
Sullivan, John B., & Son, stone producers, Taunton, Mass.
Sullivan, John J., marble producer, Gouverneur, N. Y.
Sullivan, Jno., & Son, tarpaulins, wagon covers, etc., 356 Hudson, New York.
Sullivan, John W., Co., machinists, 827 E. 9th, New York.
Sullivan-Korber Co., archl. iron, store fronts, etc., 2437 W. 21st pl, Chicago, Ill.
Sullivan, Long & Haggerty, contrs., Bessemer, Ala.
Sullivan, Louis H., architect, 1808 Prairie av, Chicago, Ill.
Sullivan & McKeon, contractors, 843 Dixwell av, New Haven, Conn.
Sullivan & McNally Co., contractors, Paterson, N. J.
Sullivan, M., & Sons Constr. Co., 2330 Bereford av, Cincinnati, Ohio.
Sullivan Machy. Co., mining & stone quarrying machy., etc., Peoples Gas bldg, Chicago, Ill.
Sullivan-Markley Hardware Co., Greenville, S. C.
Sullivan, Mason & Sullivan, contractors, Alexandria, Ind.
Sullivan, Matthew, architect, 100 Boylston, Boston, Mass.
Sullivan Motor Truck Corp., 1703 East av, Rochester, N. Y.
Sullivan Oil Co., 413 N. Wells, Chicago, Ill.
Sullivan Packing Co., meat packers, 252 Beecher av, Detroit, Mich.
Sullivan Printing Wks. Co., calendar pads, Cincinnati, Ohio.
Sullivan Supply Co., mill & facty. supplies, Saginaw, Mich.
Sullivan, T., & Co., lbr., 2 Arthur, Buffalo, N. Y.
Sullivan, T. D., & Sons Co., contrs., Newton Highlands, Mass.
Sullivan Varnish Co., 410 Hart, Chicago, Ill.
Sullivan, W. M., stone producers, Norristown, Pa.
Sullivan, Wm., Co., htg. contrs., 1118 N. Clark, Chicago, Ill.

livan, Wm. J., Co., stone producers, 99 Southampton, Boston, Mass.
livant, A. D. R., architect, 4 E. 43d, New York.
lwold, H. A., architect, Endicott Bldg., St. Paul, Minn.
pho Napthol Co., disinfectants, 14 Medford, Boston, Mass.
pice, L. F., machinist, New Orleans, La.
zbach, F. J., contractor, Sioux City, Ia.
zer & Co., machinists, 252 N. 11th, Philadelphia, Pa.
nergrade, Jos., stamping dies, 49 Elizabeth, New York.
nergrade, N., mattresses, 31 Tompkins, New York.
nmer, J. E., archit., Greenwood, S. C.
nmerhays, Wm., & Son, contractors, Rochester, N. Y.
nmerill Tubing Co., Bridgeport, Pa.
nmers, A., & Sons, contractors, Janesville, Wis.
nmers Buggy Co., Barnesville, Ga.
nmers, C., stained glass wk., 1455 59th, Brooklyn, N. Y.
nmers, C. G., & Co., canned goods, Russell & Cary, Baltimore, Md.
nmers, Crosley & Co., whol. hdwe., Opelika, Ala.
nmers, F. A., mach. & fndr., Mitchell, S. D.
nmers Hardware Co., mill & facty. supps., Johnson City, Tenn.
nmers Steel Car Co., Oliver Bldg., Pittsburgh, Pa.
nmers, W. L., mach. & fndr., West Plains, Mo.
nmers, Wm., Co., milk bottle caps, Piqua, Ohio.
nmerville Brick Co., Summerville, S. Car.
nmerville Cotton Oil Co., Summerville, Ga.
nmerville, F. M., architect, 949 B'way, New York.
nmerville-Sanders Lbr. Co., Aliceville, Ala.
nmit Canning Co., Akron, Ind.
nmit China Co., Akron, Ohio.
nmit Coal Mining Co., bituminous, Punxsutawney, Pa.
nmit Door Co., sash, door & blind mfrs., 73 St. Paul's av, Jersey City, N. J.
nmit Foundry Co., Geneva, N. Y.
nmit Lime Co., Los Angeles, Cal.
nmit Lumber & Building Co., Akron, Ohio.
nmit Machine Works, engine lathe mfrs., 54 Hermon, Worcester, Mass.
nmit Pressed Brick & Tile Co., Pueblo, Colo.
nmit Silica Co., Barberton, Ohio,
nmit Stove Wks., Morrison, Ill.
nmit Thread Co., 103 Medford, Boston, Mass.
nmitville Drain Tile Co., Summitville, Ind.
nner, A. B., & Son, shoe counters, Lynn, Mass.
nner, Chas. K., architect, 57 Post, San Francisco, Cal.
nner Counter Co., Haverhill, Mass.
nner & Dunbar, mill & facty. plumbers' supplies, jobbers, 287 Congress, Boston, Mass.
nner Iron Wks., machsts. & fndrs., Seattle, Wash.
nner Mfg. Co., bread mixers, Boston, Mass.
nner & Morris, whol. hdwe., Madison, Wis.
nner, Wm., Belting Co., belt lacing, Tolland, Conn.
J M. Sales Corp., elec. light plant, 1765 B'way, New York.
nter Brick Works, Sumter, S. C.
nter Coffin & Casket Mfg. Co., Sumter, S. C.
nter Electrical Co., magnetos, 1466 Michigan av, Chicago, Ill.
nter Electrical Wks., gas engine igniters, Sumter, S. C.
nter Machy. Co., Sumter, S. C.
nter Lumber Co. Elec. Mills, Miss.
nter Railway & Mill Supply Co., Sumter, S. C.
nter Tel. Co., machsts. & fndrs., Sumter, S. C.
-Burst Prism Co., plain vault lights, Philadelphia, Pa.
Co., asphalt dlrs., naphtha, oils, etc., Finance Bldg., Philadelphia, Pa.
Enamel Wks., Leominster, Mass.
Mfg. Co., folding chairs & cots, cash drawers, etc., Columbus, Ohio.
Milling Co., cereal foods, Oakland, Cal.
Motor Car Co., automobile bldrs., Elkhart, Ind.
Novelty Co., balls, balloons (rubber), Bloomfield, N. J
Power Engine Co., Detroit, Mich.
Prairie Canning Co., Sun Prairie, Wis.
Ray Mfg. Co., elec. htg. pads, Oshkosh, Wis.
Ray Stove Co., Delaware, Ohio.
Shipbuilding Co., Chester, Pa.
Typewriter Co., 317 B'way, New York.
Vapor & Gas Street Light Co., Canton, Ohio.
Vapor Street Light Co., gas lamps, Canton, Ohio.
Varnish Co., Louisville, Ky.
Wall Paper Mfg. Co., Reading, Pa.
sack, R. W. See Irwin Leather Goods Co. (successor).
eam Chemical Co., aniline colors, 198 Pacific av, Jersey City, N. J.
eam Incandescent Lamp Wks. of G. E. Co., 500 S. Clinton, Chicago, Ill.
right Canning Co., Dickson, Tenn.
ury Burial Case Co., coffins, Sunbury, Pa.
ury Coffin & Casket Co., Sunbury, Pa.
ury Supply Co., masons' & bldrs.' matls., Sunbury, Pa.
l & Dunham, architects, Essex Bldg., Minneapolis, Minn.
lay Creek Coal Co., Outlook bldg, Columbus, Ohio.
lay & Faber, carriages, Mendota, Ill.
lay, J. D., flour mills, Bernville, Pa.
lberg, August, architect, 78 North av, New Rochelle, N. Y.
lberg Co., crank shafts, forgings, etc., 1024 W. Kinzie, Chicago, Ill.

Sundberg, Nils M., contractor, 11 Somerset, Providence, R. I.
Sundberg & Sundberg, architects, Rexburg, Idaho.
Sunde & d'Evers Co., mill & facty. supps., Seattle, Wash.
Sunderland Bros. Co., masons' & bldrs.' matls., Omaha, Neb.
Sunderland Machinery & Supply Co., Omaha, Neb.
Sunderland Mfg. Co., air pumps, 600 W. 22d, Chicago, Ill.
Sunderland & Watson, architect, Danbury, Conn.
Sunderman Corp., carburetors, Newburgh, N. Y.
Sunflower Lbr. Co., Clarksdale, Miss.
Sundh Elec. Co., 209 Parkhurst, Newark, N. J.
Sundheimer, Hy., kryolith, 103 Park av, New York.
Sundrup, Aug., common brick, Bartelso, Ill.
Sundstrand Adding Mach. Co., Rockford, Ill., & Mills Bldg., San Francisco, Cal.
Sundstrom, David L., architect, New Britain, Conn.
Sundt, M. M., sashes, doors & blinds, Las Vegas, N. M.
Sunflower Glass Co., window glass mfgrs., Sapulpa, Okla.
Sunlight Double Glass Sash Co., Louisville, Ky.
Sunlight Elec. Mfg. Co., carbon incandescent lamps, Warren, O.
Sunlight Elec. Spec. Co., dry batteries, 453 Broome, New York.
Sunlight Gas Mach. Co., gas generation, 68 Summit, Brooklyn, New York.
Sunlight Oil & Gasoline Co., naphtha refiners, 49th & Gray's av, Philadelphia, Pa.
Sunlight Reflector Co., 226 Pacific, Brooklyn, N. Y.
Sunlit Fruit Co., canners, 112 Market, San Francisco, Cal.
Sunner & Gerlach, masons' & bldrs.' matls., 1401 N. Register, Baltimore, Md.
Sunny Side Granite Co., Richmond, Va.
Sunnyvale Canneries, Sunnyvale, Cal.
Sunset Brick & Tile Co., Gonzales, Tex.
Sunset Canning Co., Pomona, Cal.
Sunset Construction Co., 20th av & Ortega, San Francisco, Cal.
Sunset Iron Wks., ornamental iron, 124 Folsom, San Francisco, Cal.
Sunset Knitting Co., 334 Sutter, San Francisco, Cal.
Sunset Lumber Co., Oakland, Cal.
Sunset Packing Co., West Pembroke, Me.
Sunset Shingle Co., Montesano, Wash.
Sunshine, Jasper, Co., sad irons, 59 E. 8th, New York.
Sunshine Mantle Co., Chanute, Kan.
Sunshine Safety Lamp Co., 1005 McGee, Kansas City, Mo.
Suor & Suor Bldg. Co., builders' exch., Buffalo, N. Y.
Super Lighting Co., auto. lenses, 1842 B'way, New York.
Super-Vulcanizer Mfg. Co., Salt Lake City, Utah.
Superb Bronze & Iron Co., 254 Park av, Brooklyn, N. Y.
Superb Mfg. Co., Inc., auto accessories, hubs & parts, Monticello, Ind.
Superb Stamp Pad Co., Auburn, N. Y.
Superior Bearing Bronze Co., Inc., castings, 719 1st av, New York.
Superior Boiler Wks., Marion, Ind.
Superior Box Co., Superior, Wis.
Superior Brass & Fixture Co., 312 W. Jackson blvd, Chicago, Ill.
Superior Brass Fdy., Waterloo, Ia.
Superior Brass Mfg. Co., Mansfield, O.
Superior Brass & Mfg. Co., machsts. & fndrs., 106 S. 8th, St. Louis, Mo.
Superior Brass Nov. Co., bath room fix. & furnishings, 545 E. 116th, New York.
Superior Button Mfg. Co., 41 N. 11th, Philadelphia, Pa.
Superior Charcoal Iron Co., pig iron & coke dlrs., Grand Rapids, Mich.
Superior Chemical Co., alums, Joliet, Ill.
Superior Churn & Mfg. Co., Northville, Mich.
Superior Coal Co., Gillespie, Ill.
Superior Colliery Co., Hamm bldg, Detroit, Mich.
Superior Corundum Wheel Co., grinding wheels, Waltham, Mass.
Superior Die, Tool & Machine Co., Columbus, Ohio.
Superior Door Catch Co., Superior, Wis.
Superior Elec. Mfg. Co., 2416 University av, S.E., Minneapolis, Minn.
Superior Fifth Wheel Co., Superior, Wis.
Superior Fixture Co., elec. fixtures, Des Moines, Ia.
Superior Foundry Co., E. 71st & W. & L. E. Ry., Cleveland, O.
Superior Fdry & Mfg. Co., Belleville, Ill.
Superior Fuel Co., bituminous coal mine, Russelton, Pa.
Superior Gas Engine Co., Springfield, Ohio.
Superior Guano Co., fertilizer mfrs., Munsey Bldg., Baltimore, Md.
Superior Hardware Co., Superior, Wis.
Superior Hay Stacker Mfg. Co., Linneus, Mo.
Superior Iron & Mfg. Co., Wauseon, Ohio.
Superior Iron Wks. Co., misc. derricks, Superior, Wis.
Superior Ivory Button Co., 49 Dickerson, Newark, N. J.
Superior Ladder Co., Goshen, Ind.
Superior Lamp Mfg. Co., 136 W. 52nd, New York.
Superior Light & Heat Co., gas generators, 330 S. San Pedro, Los Angeles, Cal.
Superior Lbr. & Cedar Co., 303-4 Murray Bldg., Grand Rapids & Munising, Mich.
Superior Mach. & Boiler Wks., 848 W. Superior, Chicago, Ill.
Superior Machine Co., clothes washing machines, Sterling, Ill.
Superior Mach. & Engng. Co., 51 E. Fort, Detroit, Mich.
Superior Machine Tool Co., drilling machines, Kokomo, Ind.
Superior Mfg. Co., cast iron soil pipes, Bessemer, Ala.

Superior Mfg. Co., drop forgings & expansive bits, Gloucester, Mass.
Superior Mfg. Co., fire place heaters, etc., Magnolia, Pittsburgh, Pa.
Superior Mfg. Co., lamps, windshields, etc., Ann Arbor, Mich.
Superior Mfg. Co., plbrs. supps., 5723 W. Huron, Chicago, Ill.
Superior Mfg. Co., sweaters, cardigans, etc., Hoosick Falls, N. Y.
Superior Mfg. & Mill Co., agricultural implements, Springfield, Ohio.
Superior Mattress Co., St. Louis, Mo.
Superior Metal Products Co., Elyria, O.
Superior Meter Co., gas, calorimeters & photometers, etc., 254 36th, Brooklyn, N. Y.
Superior Milling Co., flour, Superior, Neb.
Superior Motors Co., Warren, O.
Superior Motor Power Co., 135 5th av, New York.
Superior Motor Truck Co., Atlanta, Ga.
Superior Oil & Supply Co., 1748 Wilmot av, Chicago, Ill.
Superior Oil Wks., petroleum, Warren, Pa.
Superior Oxygen Co., 113 Plum, St. Louis, Mo.
Superior Oxy-Acetylene Machine Co., Hamilton, Ohio.
Superior Pattern Works Co., 1247 Marquette rd, Cleveland, O.
Superior Polish Co., shoe blacking, Brockton, Mass.
Superior Portland Cement Co. See Wellston Iron Furnace Co. (successors).
Superior Post Co., ties, poles, 2907 Summit, Toledo, Ohio.
Superior Press Brick Co., 3190 S. Kings highway, St. Louis, Mo.
Superior Red Slate Co., roofing, Granville, N. Y.
Superior Sand Co., Guardian Bldg., Cleveland, O.
Superior Seating Co., school furniture, Muskegon, Mich.
Superior Sheet Metal Wks. Co., rural mail boxes, coolers, etc., 3201 Roosevelt av, Indianapolis, Ind.
Superior Ship Building Co., Superior, Wis.
Superior Skylight Co., 643 1st av, New York.
Superior Slate Co., Inc., Allentown, Pa.
Superior Spring Hinge Co., 136 W. Lake, Chicago, Ill.
Superior Steel Co., Carnegie, Pa.
Superior Steel Spring Co., Mt. Clemons, Mich.
Superior Supply Co., masons' & bldrs.' matls., Toledo, O.
Superior Supply Co., mill & facty. supplies, Bluefield, W. Va.
Superior Tack & Nail Co., Derby, Conn.
Superior Tool Co., Cambridge, O.
Superior Tool & Die Works, spec. machy., 313 S. Clinton, Chicago, Ill.
Superior Toy Wks., 1247 Marquette rd, Cleveland, O.
Superior Trading Co., canned goods, Seattle, Wash.
Superior Type Co., 3940 Ravenswood av, Chicago, Ill.
Superl Mfg. Co., metal polish, 221 Commercial, Los Angeles, Cal.
Superno Co., Inc., super-heaters, 52 B'way, New York.
Supertone Talking Mach. Co., 18 W. 20th, New York.
Supervising Architect, U. S. Treasury Annex, Washington, D. C.
Suppes Forge & Foundry Co., Johnstown, Pa.
Suppes, John F., architect, Teaneck, N. J.
Supple, Francis, machy. dlr., 330 Atlantic av, Boston, Mass.
Supplee-Biddle Hardware Co., hardware, wholesale, 510 Commerce, Philadelphia, Pa.
Supplee Co., architects, 5900 Washington, Philadelphia, Pa.
Supple, Wm., brooms, Topeka, Kans.
Supplies Co., general masons' supplies, Witherspoon bldg, Phila., Pa.
Sur-Coat Mfg. Co., boiler compounds, 149 Jefferson av, Detroit, Mich.
Sure Hatch Incubator Co., Fremont, Neb.
Sureloc Paper Clip Co., Providence, R. I.
Surerus & Greenhill, machsts. 502 W. Division, Chicago, Ill.
Surety Engineering Co., Inc., contrs., 30 Church, New York.
Surety Guard Co., elevator safety devices & saw guards, 62 E. Lake, Chicago, Ill.
Surf Packing Co., canned goods, Aberdeen, Wash.
Surface Combustion Co., valves, burners, etc., 366 Gerard av, New York.
Surpless, Dunn & Co., whol. hdwe., 74 Murray, New York.
Surprise Soap Co., 45 Bennet, Boston, Mass.
Surrell Down Draft Boiler Co., 101 Park av, New York.
Surry Lbr. Co., Union Trust Bldg., Baltimore, Md.
Surty Guard Co., 62 E. Lake, Chicago, Ill.
Suspension Roller Bearing Co., Spartanburg, S. C.
Suspension Steel Concrete Co., 111 N. Jefferson, Chicago, Ill.
Susquehanna Casting Co., Wrightsville, Pa.
Susquehanna Chemical Co., wood alcohol, Straight, Pa.
Susquehanna Collieries Co., anthracite coal mine, Wilkes-Barre, Pa.
Susquehanna Cut Glass Co., Columbia, Pa.
Susquehanna Iron Co., rolling mills, York, Pa.
Susquehanna Stone Co., Williamsport, Pa.
Susquehanna Webbing Co., Bloomsburg, Pa.
Susquehanna Woolen Co., blankets, New Cumberland, Pa.
Sussdorf, Chas. A., architect, 100 State, Albany, N. Y.
Sussfeld, Lorsch & Co., clocks, goggles, telescopes, etc., 90 Maiden la, New York.
Sussman, Harris, mattresses, 232 E. 111th, New York.
Sussman, M., & Rosenburg Mfg. Co., auto. seats, Tarrytown, N. Y.
Sustins, F. A., machsts. & fndrs., Stevens Point, Wis.
Sutcliffe, Adam, & Co., shipping tags, Pawtucket, R. I.



Sutcliffe, Arthur S., architect, 111 E. 40th, New York.
Sutcliffe's, Jno., Sons, masons' & bldrs.' matls., Wheaton, Ill.
Suter, Alfred, yarn conditioning machines, 200 5th av, New York.
Suter, Eugene, & Co., chemicals, oils, etc., 120 B'way, New York.
Sutermeister, Arnold, Stone Co., 2018 Roost av, Kansas City, Mo.
Suthered & Co., architects, Laredo, Tex.
Sutherland, D. T., machinist, Bainbridge, Ga.
Sutherland & Edwards Co., jute twine, Paterson, N. J.
Sutherland, F. L., Co., handles, harness racks, 139 Beaubien, Detroit, Mich.
Sutherland-Innes Co., cooperage stock, 29 B'way, New York.
Sutherland, L. J., & Co., lumber mfrs., New Orleans, La.
Sutherland, Thos. M., contractor, Cedar Rapids, Ia.
Sutherland, W. M., Bldg. & Contg. Co., Syndicate Trust Bldg., St. Louis, Mo.
Sutphin, Elmer E., machsts., Trenton, N. J.
Sutter, Frank L., architect, Louis blk, Dayton, Ohio.
Sutter, H., Granite & Marble Co., granite, 562 Muskego av, Milwaukee, Wis.
Sutter, John F., contractor, Glen Morris, N. Y.
Sutter, Louis, cornices, West Hoboken, N. J.
Sutterly, G. T., & Co., fndrs.—auto. lamps, 172 N. 2nd, Philadelphia, Pa.
Suttle, C. E., architect, Cleveland, Ohio.
Sutton, Albert, architect, National Realty bldg, Tacoma, Wash.
Sutton & Corson Co., contractors, Ocean City, N. J.
Sutton, E. W., carpet linings, 53 Sedgwick, Brooklyn, N. Y.
Sutton, F. S. & S. E., architects, 9 Clinton, Newark, N. J.
Sutton, Frank, htg. & ventg. engrs., 140 Cedar, New York.
Sutton Grocer & Milling Co., flour, Sutton, W. Va.
Sutton, J. P., fndrs., New Orleans, La.
Sutton, John G., Co., htg. contrs., 243 Minna, San Francisco, Cal.
Sutton, John P., & Co., meat packers, Auburn, Me.
Sutton Lead Co. (The), fndrs., Vancouver, Wash.
Sutton, O. C., & Co., brick, Marianna, Ark.
Sutton, Steel & Steel, machsts. & fndrs., Dallas, Tex.
Sutton & Stephenson, contractors, 1317 Washington av, Phila., Pa.
Sutton & Suderly Brick Co., Coeymans, N. Y.
Sutton, W. A., & Co., iron, 926 N. 19th, Philadelphia, Pa.
Sutton & Whitney, architects, National Realty bldg, Tacoma, Wash.
Sutton, Wm. P., steam fitters' supplies, Keokuk, Ia.
Sutton's Foundry & Structural Steel Works, New Orleans, La.
Suttons's Mills, woolen flannels, North Andover, Mass.
Suverkrup, John, lumber, San Bernardino, Cal.
Suvio Heating & Lighting Co., gas jet heaters, 696 E. 161st, New York.
Suwanne Hardware Co. (whol.), Live Oak, Fla.
Suydam, M. B., Co., paints, 61st & Butler, Pittsburgh, Pa.
Suzlo, Leonardo Construction Co., Meriden, Conn.
Svarz, Louis, architect, Seattle Nat. Bank bldg, Seattle, Wash.
Svea Art Cabinet Works, 1210 W. Washington, Los Angeles, Cal.
Svenson-Shuman Machine Co., concrete mixers, Oliver Bldg., Pittsburgh, Pa.
S. W. S. Mfg. Co., signs, metal, Davenport, La.
Swab Carriage Co., Elizabethville, Pa.
Swab Foundry Co., Elizabethville, Pa.
Swab Wagon Co., Elizabethville, Pa.
**SWABY MFG. CO.**, centrifugal pumps, 2010 Marshall blvd, Chicago, Ill.
Swaim, C. W., Canning Co., Sabina, Ohio.
Swain & Angel Co., machsts. & fndrs., 3105 Smallman, Pittsburgh, Pa.
Swain-Carpenter Co., plumbers' woodwork, 7th & Morris, Philadelphia, Pa.
Swain, Chas. H., & Co., contractors, Concord, N. H.
Swain Construction Co., 67 State, Lynn, Mass.
Swain, D. M., machinist, Stillwater, Minn.
Swain, Frank E., plumbers' supplies—jobbers, 69 Beekman, New York.
Swain-Karmire Lumber Co., Fulton, Ky.
Swain Lubricator Co., 443 W. 37th, Chicago, Ill.
Swain & Reed, wood handles, Roxbury, Me.
Swain, Wm., architect, Pullman, Wash.
Swain, Wm. T., & Co., masons' & bldrs.' matls., Nantucket, Mass.
Swaine, Fred J., Mfg. Co., dies, presses, etc., 7th & O'Fallon, St. Louis, Mo.
Swaine, John, Iron Works Co., Springfield, Mass.
Swainesboro Fertilizer Co., Swainesboro, Ga.
Swales, Francis S., architect, 51 E. 42d, New York.
Swallow & Hopkins, lumber mfrs., Duluth, Minn.
Swallow, W. Shelton, Co., contractors, 105 W. 40th, New York.
Swan, Alden, & Co., lubrg. oils & greases, 135 Front, New York.
Swan Elec. Co., lamp guards, 144 Oliver, Boston, Mass.
Swan & Finch Co., lubricating oils & greases, 165 B'way, New York.
Swan, George, architect, Beverly, Mass.
Swan, Geo. B., rural mail boxes, Mattoon, Ill.
Swan, Jas., Co., woodworking tools, Seymour, Conn.
Swan, Robt., Jr., Co., contrs., Jenkins Arcade, Pittsburgh, Pa.
Swan, S. N., & Sons, organs, Freeport, Ill.

ı & Son, contrs., Crawfordsville, Ind.
ıger, J. Q., Jr., cornices, Mishawaka, Ind.
ıger & McClain, cornices, Marion, Ind.
ık Engineering Co., contractors, Conover Bldg., Dayton, O.
ık Hdwe. Co., steam fitters' supplies, Johnstown, Pa.
ık's, H., Sons, saddle sleeves, Johnstown, Pa.
ınell, Jos., architect, Red Bank, N. J.
ısdown Knitting Co., sweaters, cardigans, etc., Hudson, N. Y.
ıson, A. J., brick, Lindsborg, Kans.
ıson Bros., contractors, Massillon, Ohio.
ıson, Chas., contractor, Jamestown, N. Y.
ıson, J. A., contractor, Warren, Pa.
ıson, J. Glass Co., 168 W. Chicago av, Chicago, Ill.
ıson, Peter, naval architect, Belvedere, Cal.
ıson Plow Co., Muskogee, Okla.
ıson-St. Joseph Plow Co., St. Joseph, Mo.
ıson, Victor, contractor, Allston, Boston, Mass.
ıstron Mfg. Co., water supply systems, Hammond, Ind.
d, A. E., & Co., stone producers, 123 W. 33d, Chicago, Ill.
t. Elmer E., contractor, Kingston, N. Y.
thburg, B. Robt., architect, 103 Park av, New York
thmore Coll., engng. school & coll., Swarthmore, Pa.
thout & Speer, architects, Wausau, Wis.
twood, C. J., contractor, Ithaca, N. Y.
twout, Egerton, archit., 18 W. 34th, New York.
twout Mfg. Co., hand carts, Clinton, N Y.
twout, Russell G., architect, White Plains, N. Y.
tz Elec. Co., elec. lgt. plants, Indianapolis, Ind.
tz, G. A., contractor, Streator, Ill.
tz, H. D., rat traps, Scranton, Pa.
tz & Koenig, concrete roofing tile, Bridgeport, Conn.
tz & Mennella, contrs., Bessemer Bldg., Pittsburgh, Pa.
tz, Philip & Sons, mchts. & fndrs., Moscow, Pa.
tz, S. M., Lumber Co., Newton, Kans.
tz & Ryland, architects, Rowell bldg, Fresno, Cal.
ey, Raymond & Page, naval architects, 100 Boylston, Boston, Mass.
ey, W. Albert, architect, 101 Park av, New York.
h Motor Washer Co., clothes washing machines, Buttles & Michigan av, Columbus, Ohio.
ne Lbr. Co., Oroville, Cal.
ne, Robinson & Co., agricultural implements, Richmond, Ind.
ze Advtg. Co., advtg. novelties, Canton, Pa.
ze, H. M., stone, Trenton, N. J.
zee Canning Co., Swayzee, Ind.
ringen, J. C., Ink Co., paste, 222 Wick, Pittsburgh, Pa.
t-Comings Co., sash, door & blind mfrs., Richford, Vt.
tt & Gould, granite producers, 75 Main, Boston, Mass.
ish-American Tel. Mfg. Co., 5235 Ravenswood av, Chicago, Ill.
ish Crucible Steel Co., fndrs., Butler & Grand Trunk R. R., Detroit, Mich.
ish Gage Co., drills, gages, etc., 245 W. 55th, New York.
ish Separator Co., 515 S. 5th av, Chicago, Ill.
sh Steel & Importing Co., Ltd., 130 Pearl, New York
*See adv. index at end of book*
ish Venetian Blind Co., 47 W. 34th, New York.
ney & Gray Co., machsts., 81-85 6th, Long Island City, N. Y. *See adv. index at end of book.*
ney, J. A., & Co., cornices, 829 W. 5th, Cincinnati, Ohio.
ney, J. W., Constr. Co., Portland, Ore.
ney, James, architect, New London, Conn.
ney, Luke F., contractor, Danbury, Conn.
ney, M. A., Shipyard & Foundry Co., Jeffersonville, Ind.
ney, M. E., contr., Galesburg, Ill.
ney Sign Printing Co., metal litho., 251 W. 19th, N. Y.
ney, Tom, Hardware Co., Rapid City, S. D.
ney Tractor Co., traction engines, Kansas City, Mo.
ney, W. H., Mfg. Co., bath room fixtures & furnishings, etc., 30 Main, Brooklyn, N. Y.
, A. H., & Son, boxes, snow shovels, Norton, Mass.
. B. F., & H. L., Co., wagons, grates, Fond du Lac, Wis.
Bros., fndrs., Lestershire, N. Y.
Bros. Paper Mfg. Co., Phoenix, N. Y.
, C. F., lubrg. oils, Hartford, Conn.
. Chas. A., Provision Co., meat packers, 813 Spruce, St. Louis, Mo.
& Doyle, mill & facty. supplies, Cohoes, N. Y.
& Doyle Fdry. & Mach. Co., Green Island, N. Y.
, E. F., granite, Newport, R. I.
. Geo. W., ladders, wood pumps, etc., Flint, Mich.
-Teller Hardware Co., Boise, Idaho.
. Thomas J., & Co., canned goods, Albion, N. Y.
land Waste Co., cotton waste, 134 Tudor, S. Boston, Mass.
s Catalogue, trade publication, 119 W. 40th, New York.
s Steel Co., Williamsport, Pa.
ser, J. G., cornices & skylights, Portsmouth, N. H.
sers Drain Tile Co., Sweetsers, Ind.
erg, Chas. E., contractor, 6338 Magnolia, Chicago, Ill.
ırd, Jos. L., & Co., machsts., Lincoln Bldg., Phila., Pa.
art, A. R., machsts., Morgantown, Pa.
, Benson Co., sash, door & blind mfrs., 2305 Cherry, hiladelphia, Pa.
on, A., cornices, 1021 James av, N., Minneapolis, Minn.
on, B. A., priming cups, 522 Broad, Providence, R. I.
ion Const. Co., Shubert Theatre Bldg., Kansas City, Mo.

Swenson Evaporator Co., mfrs. evaporator & chemical machy., 53 W. Jackson blvd, Chicago, Ill.
Swenson Grubber Co., lightning rods, capstans, etc., Cresco, Ia.
Swenson, J., ship builders, Ft. Warren, Jersey City, N. J.
Swenson, John, Granite Co., granite producers & workers, 101 Park av, New York, & Concord, N. H., & Marquette Bldg., Chicago, Ill.
Swenson, L., & Son, contractors, Passaic, N. J.
Swensson, Emil, archl. engrs., Frick Bldg., Pittsburgh, Pa.
Swern, Perry W., architect, 19 S. La Salle, Chicago, Ill.
Swett, A. L., Iron Wks., machsts. & fndrs., 145 Glenwood av, Medina, N. Y.
Swett, C. T. Co., ship chandlers & naval stores, Portland, Me.
Swett, Frank W., & Son, band saw blades, 1716 W. Adams, Chicago, Ill.
Swift & Co., fertilizer mfrs., Moultrie, Ga., & St. Paul, Minn.
Swift & Co., meat packers, glue & fertilizer mfrs., Union Stock Yards, Chicago, Ill., & 154 9th, Jersey City, N. J.
Swift, E. E., contractor, Wood Hole, Mass.
Swift Fly Swatter Mfg. Co., 1412 W. 12th, Kansas City, Mo.
Swift, Geo. B., Co., contractors, 189 W. Madison, Chicago, Ill.
Swift, Geo. H., architect, Flint, Mich.
Swift, Geo. W., Jr., envelope machs., Bordentown, N. J.
Swift, I. E., Co., mill & facty. supplies, whol. hdwe., Houghton, Mich.
Swift, James, contractors, 522 S. Hudson, Syracuse, N. Y.
Swift Lubricator Co., Elmira, N. Y.
Swift Lbr. Co., Knoxo, Miss.
Swift-McNutt Co., contractors, 70 Devonshire, Boston, Mass.
Swift, M., & Sons, composition leaf, Hartford, Conn.
Swift Mfg. Co., agricultural implements, Waterloo, Ia.
Swift Paint Co., 10550 Euclid av, Cleveland, Ohio.
Swift, Stanley C., Mfg. Co., stanchion irons, Cuba, N. Y.
Swind Machy. Co., dlrs., Widener Bldg., Phila., Pa.
Swindell Bros., chemical glassware, Bayard & Russell, Baltimore, Md.
Swindell, Wm., & Bros., engineers & contractors, Jenkins Arcade Bldg., Pittsburgh, Pa.
Swineford, G. A., Co., agricultural implements, Canton, Ohio.
Swinehart Tire & Rubber Co., Akron, Ohio.
Swing, J. M., & Bro., canned goods, Greensboro, Md.
Swing, W. P., who. hdwe., Galena, Ill.
Swinger, Oliver, brick, Painter Creek, Ohio.
Swingle, J. A., Contrg. Co., contractors, Zanesville, Ohio.
Swingle, J. S., granite, Quincy, Mass.
Swint Bros. Stone Co., Fremont, Ohio.
Swint, Reineck & Co., whol. hdwe., Fremont, Ohio.
Swinton & Co., fndrs., Port Jervis, N. Y.
Swirsky, F., & Co., architects, University Bldg., Detroit, Mich.
Swisher, L., Lbr. Co., masons' & bldrs.' matls., Decatur, Ill.
Swisher, R. D., Mfg. Co., rubber stamps, 415 S. Clinton, Chicago, Ill. *See adv. index at end of book.*
Swisher, S. P., masons' & bldrs.' matls., Danville, Ill.
Swiss Colors Co., chemicals, 80 5th av, New York.
Switzer, C. M., furnaces, Butler, Ohio.
Switzer, Geo. J., contr., Litchfield, Conn.
Swoop Julian M., castings, engines, forgings, etc., 913 Girod, New Orleans, La.
Swope, Geo. A., potteries, Lancaster, Pa.
Swope, Hy. R., battery motors, 120 N. 7th, Philadelphia, Pa.
Sword, G. W., & Son, contractors, Lanark, Ill.
Swoyer Bros. Brick Co., Allentown, Pa.
Sybilla E. Elev. Co., Chattanooga, Tenn.
Sybilla Elev. & Mach. Co., clamps & hoists, 214 W. Ontario, Chicago, Ill.
Sybilla Elev. & Mfg. Co., elec. hoists, Chattanooga, Tenn.
Sycamore Preserve Wks., Sycamore, Ill.
Sydnor Pump & Well Co., machinery dealer, 1310 E. Main, Richmond, Va.
Syefried, E. A., contractor, 3702 Collins av, Cincinnati, Ohio.
Sykes Bros., machsts. & fndrs., Burlington, N. C.
Sykes Co., awnings, cornices, iron, etc., 930 W. 19th pl, Chicago, Ill.
Sykes, Geo. Co., Inc., contractor, 70 E. 45th, New York.
Sykes Metal Lath & Rfg. Co., Niles, Ohio.
Sykes Milling Co., flour, Cleveland, Tenn.
Sykes, S., & Son, contractors, Scranton, Pa.
Sykes Steel Roofing Co., ceilings, doors, windows, etc., 930 W. 19th pl, Chicago, Ill.
Sykes, W. F., & Co., aniline colors, etc., 8 Lispenard, New York.
Sylacauga Fertilizer Co., Sylacauga, Ala.
Syleecau Mfg. Co., machsts. & fndrs., Rock Hill, S. C.
Syles, Thos., masons' & bldrs.' matls., 59 Flushing av, Jamaica, N. Y.
Syliaasen & Sando, contractors, Downs Bldg., Seattle, Wash.
Sylvan Cotton Mills, Shelbyville, Tenn.
Sylvania Stone Co., Toledo, Ohio.
Sylvester, C. F., & Co., tex. machy. supplies (weavers' combs), Fall River, Mass.
Sylvester Co., iron rolling mills, 141 Milk, Boston, Mass.
Sylvester, Edmund Q., architect, 8 Beason, Boston, Mass.
Sylvester, L., & Son, contrs., Aurora, Ill.
Sylvia Larned Milling Co., flour, Sylvia, Kansas.
Symansky Bros., scrap brass & iron, Troy, N. Y.
Symington, T. H., Co., fndrs., Md. Trust Bldg., Baltimore, Md., & Rochester, N. Y.

Symmers, Jno. H., stone, S. Blvd. & 141st, New York.
Symmes, H. H., contractor, Indianapolis, Ind.
Symonds Blower Wks., fans, blower, etc., 93 Center Malden, Mass.
Symonds, O. P., & Sons, packing box, Reading, Mass.
Symonds Register Co., St. Louis, Mo.
Symonds, Wm. H., architect, Saranac Lake, N. Y.
Symons Bros. Co., machsts., Evanston, Ill.
Symons Clamp Co., 2116 S. Sawyer av, Chicago, Ill.
Symons, J. P., Co., machsts. & fndrs., Centralia, Wash.
Synder, H. V., & Son, contractors, Battle Creek, Mich.
Synder, M. L., & Sons, flour mills, Levels, W. Va.
Synthetic Products Co., liquid rubber substitute, Engineers' Bldg., Cleveland, Ohio.
Syracuse Archl. Iron Wks., Syracuse, N. Y.
Syracuse Auto. Radiator Co., Syracuse, N. Y.
Syracuse Basket Co., Syracuse, N. Y.
Syracuse Boiler Wks. Co., Syracuse, N. Y.
Syracuse Bridge Co., Syracuse, N. Y.
Syracuse Broom Co., Syracuse, N. Y.
Syracuse Candle Co., Syracuse, N. Y.
Syracuse Chilled Die & Casting Co., Syracuse, N. Y.
Syracuse Chilled Plow Co., agricultural implements, 111 Wyoming, Syracuse, N. Y.
Syracuse Crucible Steel Co., Syracuse, N. Y.
Syracuse Die Moulded Casting Co., Syracuse, N. Y.
Syracuse Faucet & Valve Co., Eastwood, N. Y.
Syracuse Gear Co., Syracuse, N. Y.
Syracuse Heater Co., Syracuse, N. Y.
Syracuse Industrial Gas Co., Syracuse, N. Y.
Syracuse Malleable Iron Works, Syracuse, N. Y.
Syracuse Ornamental Co., casket trimmings, Syracuse, N. Y.
Syracuse Pharmacal Co., mfg. chemists, Syracuse, N. Y.
Syracuse Pottery, 713 E. Division, Syracuse, N. Y.
Syracuse Raw Hide Mfg. Co., cut gears, Syracuse, N. Y.
Syracuse Rendering Co., fertilizer mfrs., Syracuse, N. Y.
Syracuse Safe Co., Syracuse, N. Y.
Syracuse Screen & Grille Co., North Manchester, Ind.
Syracuse Stamping Co., Inc., sheet metal stampings & typewriter ribbon spools, 422 S. West Syracuse, N. Y.
Syracuse Stove Wks., warm air furnaces, Syracuse, N. Y.
Syracuse Supply Co., mill facty. & electrical supplies, machy. dlrs., Syracuse, N. Y.
Syracuse Trunk Co., Syracuse, N. Y.
Syracuse Twist Drill Co., Borden av, Syracuse, N. Y.
Syracuse Unit Brick Co., Syracuse, N. Y.
Syracuse Univ., engng. school & coll., Syracuse, N. Y.
Syracuse Wall Plaster Co., Syracuse, N. Y.
Syracuse Washer Corp., clothes washing machs., Syracuse, N. Y.
Syracuse Wire Works, bank & office railings, etc., 101 University av, Syracuse N. Y.
Syracuse Wrench Co., valve grinders & lifters, 325 W. Fayette, Syracuse, N. Y.
Syska Bros., auto. wood bodies, 46 Bergen, Brooklyn, N. Y.
System Magazine, trade publication, 5 N. Wabash av, Chicago, Ill.
Syze, J. F., carriage rims, Yorktown Heights, N. Y.
Szel Import & Export Co., spark plugs, 393 B'way, New York.
Szukalski, Thos., bldg. contr., 1089 Am., Milwaukee, Wis.
Taber & Baxter, architects, Gurney Bldg., Syracuse, N. Y.
Taber-Bigelow Co., mill & facty. supplies, 304 Mission, San Francisco, Cal.
Taber & Co., marble, 1 Hudson, New York.
Taber Lumber Co., Keokuk, Ia.
Taber Pump Co., horse clipping machines, Buffalo, N. Y.
Taber & Reid, cornices & skylights, Augusta, Me.
Tabernash Lbr. Co., Tabernash, Colo.
Tablet & Ticket Co., labels & building directories, 624 W. Adams, Chicago, Ill.
Tabor Mfg. Co., fdry. machy., 18th, Hamilton, Phila., Pa.
Tabor Mfg. Co., molding & machy., 18th & Hamilton, Phila., Pa.
Tabor Sash Fixture Co., 63 Polk, Newark, N. J.
Tabor, T. O., & Sons, fertilizer, Elberton, Ga .
Taborga, Rafael, imp. of ores, 233 B'way, New York.
Tabulating Machine Co., tabulating machines mfrs., 50 Broad, New York.
Tackett, W. A., architect, Sherman, Tex.
Tacks Mfg. Co., paste, Utica, N. Y.
Tacoma Dredging Co., Tacoma, Wash.
Tacoma Fdy. & Mach. Co., Tacoma, Wash.
Tacoma Fir Door Co., lumber mfrs., Tacoma, Wash.
Tacoma Grain Co., flour mills, Tacoma, Wash.
Tacoma Mill Co., lumber, tie, poles & posts, 310 Sansome, San Francisco, Cal.
Tacoma Millwork Supply Co., sash, door & blind mfrs., Tacoma, Wash.
Tacoma Pile Driving & Constr. Co., Tacoma, Wash.
Tacoma Ry. & Power Co., mchsts. & fndrs., Tacoma, Wash.
Tacoma & Roche Harbor Lime Co., Roche Harbor, Wash.
Tacoma Sheet Metal Works, cornices & skylights, Tacoma, Wash.
Tacoma Shipbldg. Co., Tacoma, Wash.
Tacoma Smelting Co., electrolytic copper refiners, Tacoma, Wash.
Tacoma Trading Co., masons' & bldrs.' matls., Tacoma, Wash.
Tacony File & Hdwe. Co., 6744 Wissinoming, Philadelphia, Pa.
Tacony Steel Co., Franklin Bank bldg, Philadelphia, Pa.
Taddey, Adolph G., bldg. contr., 744 46th, Milwaukee, Wis.
Taddey, F. W., bldg. contr., 1705 Chestnut, Milwaukee, Wis.



Taflinger, F., contr., Sidell, Ill.
Taft Fish Co., canned, Taft, Va.
Taft, J. H. & Co., imp. quick silver, 100 William, New Yo
Taft, J. O., architect, 412 21st av, Seattle, Wash.
Taft, J. S. Co. See Hampshire Pottery, Inc. (successors).
Taft, John, lumber, West Dummerston, Vt.
Taft Machine Co., 229 Globe, Providence, R. I.
Taft Packing House, meat, Taft, Tex.
Taft-Pierce Mfg. Co., drilling jigs & thread milling machine Woonsocket, R. I.
Taft, S. H., lumber, 16 Hulbert Blk., Cincinnati, Ohio.
Taggart Bros. Co., paper mill & bag facty., Watertown, N.
Taggart & Brown Co., bldrs., materials, Springfield, Ohio.
Taggart, John A., architect 29 S. La Salle, Chicago, Ill.
Taggart's Paper Co., Manila paper, Watertown, N. Y.
Tagliabue, Chas J., Mfg. Co., hydrometers, thermometers, et 18 33d, Brooklyn, N. Y.
Tagliabue, G. (Est. of), thermometers, hydrometers, 302 Pea New York.
Tague, Jas. E. & Co., lbr., 10th & Columbus av, Phila., Pa.
Tahara Co., burnishing machines, Glenwood & N. Amer., Phil delphia, Pa.
Tahlequah Mill & Elevator Co., flour, Tahlequah, Okla.
Taigman, M., rheostats, 462 W. B'way, New York.
Taintor, H. F., Mfg. Co., chalk mfrs. & saw sets, 2 Recto New York.
Taisho Trading Co., Ltd., The, importers' metals & oils, 2 B'way, New York.
Tait, Geo. W., machst., Kearney, N. J
Tait, John H., Co., contractors, Battle Creek, Mich.
Tait Mfg. Co., mchsts. & fndrs., Kankakee, Ill.
Tait & Nordmeyer Eng. Co., International Life Bldg., St. Loui Mo.
Tait & Sons Paper Co., Bridgeport, Conn.
Tait, Wm. O., architect, Rossmore av, Yonkers, N. Y.
Taite Ry. Signal Co., Coatesville, Pa.
Taize, Jacob, & Son, plumbers' tools, Philadelphia, Pa.
Takamine Commercial Corp., chemical importers, 120 B'wa New York.
Taku Canning & Cold Storage Co., Seattle, Wash.
Talbert-Whitmore Co., damask, Los Angeles, Cal.
Talbot Air Lift Co., wooden pumps, 335 N. 4th, Phila., Pa.
Talbot, Brooks & Ayer, mill & facty. supplies, wholesale hard ware, 269 Middle, Portland, Me.
Talbot Bros. Co., lumber, Grosvenor Bldg., Providence, R. I.
Talbot, C. R. Co., iron forgings, Alfred & Sp. Grv. av, Ci cinnati, O.
Talbot & Clark, pails & buckets, wood, Sandown, N. H.
Talbot Dyewood & Chemical Co., Lowell, Mass.
Talbot, F. M., Co., contractors, 1 Madison av, New York.
Talbot & Hubbard, wholesale hardware, Phoenix, Ariz.
Talbot Mills, woolen carriage cloth, North Billerica, Mass.
Talbot Packing & Preserving Co., Easton, Md.
Talbott, E. A., masons' & bldrs.' matls., Ellicott City, Md.
Talbott, H. E., Co., contractors, City Natl. Bank Bldg., Day ton, Ohio.
Talbott, M. A., Co., contractors, Rome, N. Y.
Talbott, Thos., & Son, cornices, 240 W. Water, Syracuse, N. Y
Talbott, Wm. R., architect, 1314 F, N. W., Washington, D. C.
Talcott, W. O., mill & facty. supplies, 91 Sabin, Providence, R. I
Tale Products Co., soapstone products, 11 Pine, New York.
Talge Mahogany Co., lumber mfrs., 1101 E. 13th, Indianapolis Ind.
Talismanic Co., belt dressing, North Tonawanda, N. Y.
Talking Horn Co., Middletown, N. Y.
Talking Mach. World, trade publication, 373 4th av, New York
Tall Timber Lbr. Co., Good Pine, La.
Talladega Fertilizer & Mfg. Co., Talladega, Ala.
Talladega Fdry. & Mach. Co., Talladega, Ala.
Tallahala Lbr. Co., Hammond, La.
Tallahassee Iron Works, Tallahassee, Fla.
Tallahassee Lbr. Co., Tallahassee, Fla.
Tallahatchie Lumber Co., Philipp, Miss.
Tallamy, B. F., & Bro., contractors, Plainfield, N. J.
Tallant & Graff, architects, 345 5th av, New York.
Tallant-Grant Packing Co., Astoria, Ore.
Tallapoosa Chemical Co., Alexander City, Ala.
Tallapoosa Lbr. Co., Tallassee, Ala.
Tallassee Falls Mfg. Co., cordage & twine, Tallassee, Ala.
Tallassee Oil & Gin Co., Tallassee, Ala.
Talley & Co., cutting oils, New Richmond, Ohio.
Talley, J. M., machinist & founder, Dade City, Fla.
Talley's, Thos. J., Sons, lumber, Land Title Bldg., Phila., Pa.
Tallmadge Hardware Co., mill & facty supps., 147 N. High Columbus, Ohio.
Tallmadge & Watson, architects, 189 W. Madison, Chicago, Ill.
Tallmage, M. F., heating contractor, 80 Seneca, Buffalo, N. Y.
Tallman, Albert V. W., crude rubber broker, 54 Stone, N. Y
Tallman & Betts, architects, 17 Dill, Auburn, N. Y.
Talltimber Lbr. Co., Talltimber, Texas.
Tally-Ho Knitting Co., cardigans, sweaters, East Douglas, Mass
Tally-Meter Co., Norwich, Conn.
Tally, W. B., architect, Cohen Bldg., Jacksonville, Fla.
Talmadge Mfg. Co., feeders, oils, valves, 1279 W. 3rd, Cleve land, Ohio.
Tama Brick & Tile Co., Tama, Ia.
Tamaqua Mfg. Co., machinists & founders, Tamaqua, Pa.
Tamm Bros. Glue Co., 600 S. Vandeventer av, St. Louis, Mo.

nm & Nolan Co., varnish, 151 Potrero av, San Francisco, Cal.
mms Silica Co., Stock Exchange Bldg., Chicago, Ill.
mpa Dock Co., shipbldrs., Tampa, Fla.
mpa Hardware Co., Tampa, Fla.
mpa Machinery Exchange, mill & facty. supp., Tampa, Fla.
mpa Shipbuilding & Engineering Co., Tampa, Fla.
mpa Steam Ways Co., Tampa, Fla.
mpary, C. P., contractor, 4318 West End av, Chicago, Ill.
ns, Lemoine & Crane, naval architects, 52 Pine, New York.
nck, F. M., Mfg. Co., machsts., 370 Atlantic av, Boston, Mass.
ndreault, Jos., brick, Eliot, Me.
ndy, V. W., architect, 1931 B'way, New York.
nger, J. C., Co., wholesale hardware, Hanover, Pa.
nis, E., & Son, contractors, Kalamazoo, Mich.
nis, Nicholas, contractor, Paterson, N. J.
nismanic Co., belt dressing, N. Tonaroando, N. Y.
nite Co., machinists, Stroudsburg, Pa.
nk Equipment Co., 500 5th av, New York.
nnenholz, B., Constr. Co., 56 Catherine, Detroit, Mich.
nner, B. F., contractor, Newport, R. I.
nner Bros., machinists & founders, Jefferson City, Mo.
nner Bros. Co., canned goods, Oakfield, N. Y.
nner, Charles, & Co., cornices & skylights, Staunton, Va.
nner, Chas. S., Co., tapioca flour, 250 S. Water, Providence, R. I.
nner & Co., whol. hdwe., 407 S. Penn., Indianapolis, Ind.
nner, Conrad, & Sons, carriages, St. Joseph, Mo.
nner, D. F., steel anti rattlers, harrows, springs, wagons, etc., Holland, N. Y.
nner Mill Co., flour, Tanner, W. Va.
nner, W. S., Paint Co., 1303 E. Main, Richmond, Va.
nner, Wm. F., & Co., electrical mfrs., 511 S. Sharp, Baltimore, Md.
nners Extract Co., bark, Charleston, W. Va.
nners Extract & Chemical Works, Inc., Mariners Harbor, Staten Island, N. Y.
nners' Hide & Tallow Co., fertilizer, Hagerstown, Md.
nnewitz Wks., machinists, Grand Rapids, Mich.
nney Brick Co., Haverstraw, N. Y.
ntau, Clarence A., architect, 519 California, San Francisco, Cal.
pager, Christian M., contractor, Albert Lea, Minn.
plex Corp., auto heaters, 87 35th, Brooklyn, N. Y.
pley, I. W., packing box, Haverhill, Mass.
pley Specialty Co., factory trucks, 47 W. 34th, New York.
plin Mfg. Co., hdwe. mfrs., New Britain, Conn.
plin-Rice-Clerkin Co., clay working machinery, Akron, Ohio.
ppan, Frank E., architect, West Orange, N. J.
ppan Hardware Co., Helena, Ark.
ppan, W. H., masons' & bldrs.' matls., Baldwinsville, N. Y.
ppenbeck, W., oils, varnish, etc., 106 Wall, New York.
ppendorf, H. W., contr., Rock Island, Ill.
ppendorff, Paul I., lbr., Sherwood, Ore.
Heel Mica Co., Plumtree, N. C.
River Lbr. Co., Rocky Mount, N. C.
River Oil Co., Tarboro, N. C.
bell, E. H., Co., Elec. fix., 15 Washington, Boston, Mass.
bett, W. A., & Co., machsts. & fndrs., 287 Atlantic av, Boston, Mass
box, A. & E., common brick, Yorkville, Ill.
box Broom Corn Co., Arcola, Ill.
box Lumber Co., Cedarville, Ohio.
box & McCall, stone producers, Findlay, Ohio.
box Mfg. Co., metal polish, New London, Conn.
box, O. S., granite, Red Beach, Me.
die, E. J., batteries, flashlights, 156 5th av, New York.
dif, F., contractor, Nashua, N. H.
entum Beveling & Mirror Wks., adv. purposes, Tarentum, Pa.
entum Glass Co., Tarentum, Pa.
entum Paper Mills, 2d Natl. Bk. Bldg., Pittsburgh, Pa.
iffville Oxygen & Chem. Co., Tariffville, Conn.
r, Geo. C., tackle blocks, Gloucester, Mass.
r, Geo. J., Co., fish oils, Gloucester, Mass.
r, Jas. H., Co., paint mfrs., Gloucester, Mass.
r & Wonson, paints, Gloucester, Mass.
rant Fdry. Co., gray iron castings, 373 W. Grand av, Chicago, Ill.
rant, Robt., machinist & fndr., 323 W. Illinois, Chicago, Ill.
tar Chemical Wks., 135 William, New York.
tt, J. E., lbr., Meridian, Miss.
henberg Bros., boilers, 43 Illinois, Buffalo, N. Y.
ker, Geo. F., boot & shoe counter, Haverhill, Mass.
sey, Lewis, machinist, Alexandria, N. Y.
sini & Tassini, marble, 64 Mangin, New York.
e, C. L., & Co., canned goods, Arnold, Md.
e, E. H., Mop & Cordage Co., mops, dusters, dust cloths, stove pipe wire, etc., 67 Sudbury, Boston, Mass.
e & Fearing, lumber mfrs., Camden, Ark.
e, Geo. D., & Son, masons' & bldrs.' matls., Kokomo, Ind.
e, J. H., & Co., flour mills, Monticello, Ky.
e-Jones & Co., Inc., burners & furnaces, Empire Bldg., Pittsburgh, Pa.
e Mfg. Co., cloths, mops, rope, etc., 48 Hanover, Boston, Mass.
e, R. L., brooms—corn, Paducah, Ky.
e, W. C., & Son, flour, Centralia, Okla.

Tate, Wm. J. (Est. of), ice cream freezers, 3520 Mercer, Philadelphia, Pa.
Tatem, J. B., & Son, wood handles, Putnam, Conn.
Tatem, J. M., Handle Co., Eastford, Conn.
Tatham & Bros., solder, 261 Water, New York.
Tatlock Bros., soap, Rochester, N. Y.
Tatton, H., architect, 140 E. 49th, New York.
Tatum Bros., turpentine, Barberville, Fla.
Tatum Lumber Co., Hattiesburg, Miss.
Tatum, P. O., flour, South River, N. C.
Tatum, Sam'l C., Co., loose leaf devices, etc., Cincinnati, Ohio.
Tatum, W. M., Hardware Co., Corsicana, Tex.
Taub, H. L., cornices, Saginaw, Mich.
Taubman, Charles, machst. & fndr., Lexington, Mo.
Taunton Crucible Works, Taunton, Mass.
Taunton Lumber Co., sash, door & blind, Brockton, Mass.
Taunton Nail Co., bill posters' tacks, Taunton, Mass.
Taunton-New Bedford Copper Co., copper & brass mfrs., Taunton, Mass.
Taunton Oil Cloth Co. See O'Bannon Corp. (successors).
Taunton Rivet Works, Taunton, Mass.
Taunton Rubber Co., heels, Taunton, Mass.
Taunton Spindle Co., tex. machy. supplies, etc., Taunton, Mass.
Tausch, Wm. F., contractor, Williamson Bldg., Cleveland, Ohio.
Tausche, V., Hardware Co., cornices & skylights, La Crosse, Wis.
Taussig, Hugo, architect, 507 5th av, New York.
Tauton, Clarence A., architect, 251 Kearny, San Francisco, Cal.
Tavares, J. G., & Co., who., hdwe., 85 2d, San Francisco, Cal.
Taveniere & Johnson, contractors, Closter, N. J.
Tavern Rock Sand Co., 612 N. 2d, St. Louis, Mo.
Taws, Henry M., architect's supplies, 920 Arch, Phila., Pa.
Tay, Geo. H., Co., plumbers' supplies, jobbers, 599 Mission, San Francisco, Cal.
Tay Pike Co., oil & gas well supplies, Coalinga, Cal.
Tayler & Spotswood Co., whol. hdwe., 19th & Minnesota, San Francisco, Cal.
Taylor, W. P., lumber, Winton, N. C.
Taylor, A. D., landscape architect, 1900 Euclid av, Cleveland, Ohio.
Taylor, A. G., contractor, 1151 W. 4th, N., Salt Lake City, Utah.
Taylor, Alfred H., 138 W. 65th, New York.
Taylor-Atkins Paper Co., Burnside, Conn.
Taylor, B. U., Co., masons' & bldrs.' matls., Oleon, N. Y.
Taylor Bedding Mfg. Co., Taylor, Tex.
Taylor Belting Co., 247 S. Meridian, Indianapolis, Ind.
Taylor, Bernard J., architect, 1958 Carroll, St. Paul, Minn.
Taylor & Boggis Foundry Co., junction boxes, Cleveland, Ohio.
Taylor & Bonta, architects, Gurney Bldg., Syracuse, N. Y.
Taylor Bros., masons' & bldrs.' matls., Camden, N. J.
Taylor Bros., canned goods, La Grange, Ky.
Taylor Bros. Brick Co., Redlands, Cal.
Taylor Bros. Co., draughting inks, rubber stamps, 706 Superior av, N. W., Cleveland, Ohio.
Taylor Bros. of Los Angeles, contrs., 7367 Sunset blvd., Los Angeles, Cal.
Taylor Burner & Electroplating Co., Ltd., water heaters, 804 Duquesneway, Pittsburgh, Pa.
Taylor, Button Fuel Co., masons' & bldrs.' matls., Washington rd, Milwaukee, Wis.
Taylor, C. A., Trunk Works, 28 E. Randolph, Chicago, Ill.
Taylor, C. F., masons' & bldrs.' matls., Warren, Ill.
Taylor, C. F. Co., contrs., Camden, N. J.
Taylor, C. P., patterns & models, Rockford, Ill.
Taylor-Cannady Buggy Co., Oxford, N. C.
Taylor Card & Box Co., 196 W. Exchange, Providence, R. I.
Taylor Chair Co., Bedford, Ohio.
Taylor, Chas., masons' & bldrs.' matls., Funk, Ohio.
Taylor, Chas. E., masons' & bldrs.' matls., 1429 Cutter, Cincinnati, Ohio.
Taylor, Chas. F., mill & facty. supplies, 57 Weybosset, Providence, R. I.
Taylor, Chas. N., contractor, Wellesley, Mass.
Taylor, Chas., Sons Co., brick, 710 Burns, Cincinnati, Ohio.
Taylor, Chas. W., architect, New Castle, Ind.
Taylor Chemical Co., lime sulphur solution, Penn Yan, N. Y.
Taylor Coal & Coke Co., 819 Hickox Bldg., Cleveland, Ohio.
Taylor Co., Inc., lbr., Prospect, Va.
Taylor & Co., iron, steel, etc., castings, 680 Morgan av, Brooklyn, N. Y.
Taylor County Lbr. Co., Springdale, Fla.
Taylor & Crate, lumber, 2101 Elmwood, W., Buffalo, N. Y.
Taylor, Davis J., contractor, Newark, Ohio.
Taylor & Dean, architectural iron, etc., Penn av & 25th, Pittsburgh, Pa.
Taylor Disc Machine Co., machsts., Mansfield, Ohio.
Taylor Dredging Co., ft. Communipaw av, Jersey City, N. J.
Taylor, E. L., & Co., whol. hdwe., 9th & Carey, Richmond, Va.
Taylor, E. R., Co. See Taylor Chemical Co. (successors).
Taylor, Edwin, Lumber Co., Hartford, Conn.
Taylor Electric Truck Co., Troy, N. Y.
Taylor & Ellis, burlap, 485 B'way, New York.
Taylor-English Coal Co., Catlin, Ill.
Taylor, F. K., contractor, Schenectady, N. Y.
Taylor, F. R., & Co., cornices & skylights, Sterling, Ill.
Taylor & Fenn Co., machsts. & fndrs., Hartford, Conn.
Taylor Foundry & Engineering Co., Grass Valley, Cal.

Taylor, Frank W., & Son, steam htg. contrs., 259 S. 4th, Phila., Pa.
Taylor Fruit & Canning Co., Lockport, N. Y.
Taylor, G. Wood, architect, 425 Main, Springfield, Mass.
Taylor, Geo., Brass & Bronze Works, 22 Cherry, New York.
Taylor, Geo. T., Marine Ry. Corp., dry docks, Norfolk, Va.
Taylor, Gilbert D., metal polish, 3828 S. State, Chicago, Ill.
Taylor & Goericke, contractors, Postal Tel. Bldg., San Francisco, Cal.
Taylor-Goodwin Co., masons' & bldrs.' matls., Haverhill, Mass.
Taylor, H. D., Co., whol. hdwe., 103 Oak, Buffalo, N. Y.
Taylor, H. P., architect, Union City, Tenn.
Taylor, Halsey W., Co., drinking fountains, Warren, Ohio.
Taylor, Harvey B., architect, Cornwall, N. Y.
Taylor, Harvey R. Building Corp., Cornwall, N. Y.
Taylor, Hy W., sanitation engr., 154 Nassau, New York.
Taylor, I. R., & Co., contractors, Asbury Park, N. J.
Taylor Instrument Co.'s, thermometers, etc., Rochester, N. Y.
Taylor-Iron Wks. & Supply Co., saw mill machy., mill & facty. supps., etc., Macon, Ga.
Taylor, J. D., Contr. Corp., contrs., 115 S. Salina, Syracuse, N. Y.
Taylor, J. E., & Co., canned goods, Santa Ana, Cal.
Taylor, J. I., contractor, Chester, Pa.
Taylor, J. M., machinists & founders, Andalusia, Ala.
Taylor, J. W. See Barnum, Wm. T. (successor).
Taylor, J. W., canned goods, Hallwood, Va.
Taylor, Jas. A., cornices & skylights, Highstown, N. J.
Taylor, Jas. K., architects, Northampton, Mass.
Taylor, Jas. L., Mfg. Co., clamps, Poughkeepsie, N. Y.
Taylor, Jas. P., contractor, Macleay Bldg., Portland, Ore.
Taylor, John A., contractor, Dunkirk, N. Y.
Taylor, John E., machsts. & fndrs., Nashville, Mich.
Taylor, Jno. R., & Co., mill & facty. supplies, Little Falls, N. Y.
Taylor & Kemp, flour mills, Prosser, Wash.
Taylor, L. E., & Co., loaders, 312 Flour Exchange, Minneapolis, Minn.
Taylor & Levi, architects, 105 W. 40th, New York.
Taylor, Lincoln, mill & facty. supplies, Stamford, Conn.
Taylor & Ginn, contrs., Zanesville, Ohio.
Taylor-Logan Co., paper & pulp mills, Holyoke, Mass.
Taylor, Lowenstein & Co., turpentine, Mobile, Ala.
Taylor Lumber Co., glass, Lafayette, Ind.
Taylor Machy. Co., 78 Batterymarch, Boston, Mass.
Taylor Machine Co., lathes, 7804 Carnegie av, Cleveland, Ohio.
Taylor Mfg. Co., machsts., Hartford, Conn.
Taylor Mfg. Co., port. fireproof garages, 219 Glenridge av, Montclair, N. J.
Taylor Mfg. Co., pumps, Detroit, Mich.
Taylor Mfg. Co., store & bar fixtures, Princeton, Ind.
Taylor Mfg. Co., weeders, Canton, Ohio.
Taylor Mattress Co., Salisbury, N. C.
Taylor Milling Co., flour, Taylor, Tex.
Taylor & Mosley, architects, 40 Wall, New York.
Taylor & Moss, ties, poles & posts, Danville, Ky.
Taylor, N. & G., Co., mfrs. roofing slate, forging, steel, etc., Mariner & Merchant Bldg., Philadelphia, Pa.
Taylor Oil Mill, meal, Taylor, Tex.
Taylor Paper Co., 310 Davis, San Francisco, Cal.
Taylor-Parker Co., mill & facty. supplies, Norfolk, Va.
Taylor & Pearson, contractors, 196 Virginia av, Jersey City, N. J.
Taylor & Percival, mill & facty. supplies, Waltham, Mass.
Taylor Portable Steel Derrick Co., 215 W. Grand av, Chicago, Ill.
Taylor & Powell Fertilizer Co., Springfield, Tenn.
Taylor Provision Co., meat packers, Trenton, N. J.
Taylor, R. E. Lee, architect, Union Trust Bldg., Baltimore, Md.
Taylor, R. W. & Co., lbr., Harleton, Texas.
Taylor, Robert J., crucible mfr., 1900-16 Callowhill, Phila., Pa.
Taylor, Robt., & Son, fndrs., Paterson, N. J.
Taylor & Robinson, contractors, Huntington, W. Va.
Taylor, Ronald, Co., flooring, paving blocks, 520 E. 20th, New York.
Taylor, S. G., Chain Co., 640 Marquette Bldg., Chicago, Ill.
Taylor-Shantz Co., dies—stamping, punching & embossing, etc., Rochester, N. Y.
Taylor, Smith & Taylor Co., crockery, East Liverpool, Ohio.
Taylor Steam Spec. Co., traps, Battle Creek, Mich.
Taylor, Stiles & Co., machsts. & fndrs., Riegelsville, N. J.
Taylor Supply Co., whol. hdwe., 937 Fell, Baltimore, Md.
Taylor Supply Co., mill, facty. & steamfitters' supplies, 164 Larned, Detroit, Mich.
Taylor, T. S., masons' & bldrs.' matls., Guilford, Ind.
Taylor, Thos. B., flour mills, Jackson, Mich.
Taylor, Thos., & Sons, shoe goring, elastic webbing, Hudson, Mass.
Taylor, V. E., contractor, Huntington, W. Va.
Taylor, W. B., & Co., fndrs., Palmer, Mass.
Taylor, W. G., & Son, contractor, Atlantic, N. J.
Taylor, W. Hart, architect, 50 Bromfield, Boston, Mass., & Chelsea, Mass.
Taylor, W. O., masons' & bldrs.' matls., Lynchburg, Va.
Taylor, W. P., sash, door & blind mfr., Manasquan, N. J.
Taylor, W. P., Co., machsts. & fndrs., Ellicott sq, Buffalo, N. Y.
Taylor, W. W., carriages, Lockport, N. Y.
Taylor, W. W. & Sons, mattresses, Big Stone Gap, Va.



Taylor, Walter B., fndr., Worcester, Mass.
Taylor, Walter L., architect, Landsdowne, Pa.
Taylor, Welder Co., elcetric welding machine, Warren, Ohio.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Taylor, White Extracting Co., Camden, N. J.
Taylor, Wickham C., architect, Citizens' Bk. Bldg., Norfolk, Va.
Taylor, Wm., lamp guards, switches, 203 Broadway, New York.
Taylor, Wm. H., & Co., mill & facty. supplies, Allentown, Pa.
Taylor, Wm. J., Co., contractors, 5 E. 42d, New York.
Taylor, Wm. M., Mantel & Grate Co., bank fixtures, 331 S. High Columbus, Ohio.
Taylor, Wm. T. & Son, contrs., Wilsonville, Ala.
Taylor-Wilson Mfg. Co., machsts & fndrs., McKees Rocks, Pa.
Taylor & Buckingham, contrs., New Milford, Conn.
Taylor & Jackson, contrs., Call bldg, San Francisco, Cal.
Taylor & Levi, architects, 105 W. 40th, New York.
Taylor & Main, architects, Nasby bldg, Toledo, Ohio.
Taylorsville Mfg. Co., canned goods, Taylorsville, Ky.
Taylorsville Milling Co., flour, Taylorsville, N. C.
Tayntor, C. E., Granite Co., 29 W. 34th, New York.
T. & B. Brass Fdry. Co., Tacoma, Wash.
T. C. M. Mfg. Co., milling machines, Harrison, N. J.
Tea & Coffee Trade Journal, 79 Wall, New York
Teach, Wm., cornices, Appleton, Wis.
Teachout, A., Co., sashes, doors & blinds, 331 Prospect av, N. W., Cleveland, Ohio.
Teachout, H. E., Boiler Works, E. 37th & Erie R. R., Cleveland, Ohio.
Teachout Sash, Door & Glass Co., 100 W. Spring, Columbus, O.
Teague Hardware Co., Montgomery, Ala.
Teague, J. C., architect, Daly Bank Bldg., Butte, Mont.
Teahen, Jas. M., water closet tanks, etc., 43 Fort, Detroit, Mich.
Teal, Chas. A., barrel, etc., elevators, mortar mixers, 1361 Ridge av, Philadelphia, Pa.
Teasley & Son, fertilizer, Bowman, Ga.
Tebbets, E. L., Spool Co., Locke Mills, Me.
Tebo Yacht Basin Co., machsts & fndrs., Ft. 23rd, Brooklyn, N. Y.
Technical Supply Co., stationers' spec., Scranton, Pa.
Technology Sales Co., Inc., sash locks, 27 Thames, New York.
Tecktonius, E. C., Mfg. Co., machsts., Racine, Wis.
Tecla Elec'l Laboratory, flashers, 195 Cass av, Detroit, Mich.
Tecumseh Coal & Mining Co., Terre Haute, Ind.
Tecumseh Gravel Co., sand & gravel dlrs., Tecumseh, Mich.
Tecumseh Oil & Cotton Co., meal, Sherman, Tex.
Tedeschi & Tedeschi, granite producers, etc., 632 Boulevard, Astoria, New York.
Tedewater Cross Arm & Conduct Co., Tacoma, Wash.
Teegarden, Edw. C., contractors, St. Joseph, Mo.
Teegardin, J. W., & Co., brick & tile, Duvall.
Teetors Adding Machine Co., Des Moines, Ia.
Teel, Eldridge & Co., carriages, Medford, Mass.
Teele Soap Co., Cambridge, Mass.
Teeling, Walter W., architect, Rensselaer, N. Y.
Teeple, Jno E., chemists, 50 E. 41st, New York.
Teeple, W. S, machsts & fndrs, Wellsburg, W. Va.
Teeter-Hartley Motor Co., Hagerstown, Ind.
Teetsow Bearing Co., Inc., 154 Nassau, New York.
*See adv. index at end of book*
Teetzel Well Wks., well drilling machy., Terre Haute, Ind.
Tegen, R. F., architect, Morgan Bldg., Portland, Ore.
Tegetmeier & Riepe Co., auto. wood bodies, 771 1st av, New York.
Tegge Lbr. Co., 700 Pk., Milwaukee, Wis.
Tegtmeyer Box & Lumber Co., 1828 S. Canal, Chicago, Ill.
Tegufilm Chemical Mfg. Co., boiler preservative, Syracuse, N. Y.
Teich Curt & Co., advtg. post cards, 1745 Irving Park blvd., Chicago, Ill.
Teich, Frederich J., architect, 305 S. La Salle, Chicago, Ill.
Teichart & Ambrose, contractors, Sacramento, Cal.
Teichert, A., & Son., contrs., Sacramento, Cal.
Teichman, Robt., architect, 22 William, New York.
Teisen, Axel V., architect, 3133 Logan block, Chicago, Ill.
Tele-Call Co., facty. & office signals, 1209 Marquette rd, Cleveland, Ohio.
Telegraph & Telephone Age, trade publication, 253 B'way, New York.
Telelectric Co., pianos, 280 Madison av, New York.
Telephone Roller Mill Co., Telephone, N. C.
Telephone Service Seat Cabinet Co., Phelan Bldg., San Francisco, Cal.
Telephony Publishing Co., 116 S. Michigan av, Chicago, Ill.
Telescope Cot Bed Co., 535 E. 79th, New York.
Telescope Mine Mach. Co., Pittston, Pa.
Telgler Bros., brick., Dayton, Ohio.
Tell City Canning Co., Tell City, Ind.
Tell City Desk Co., Tell City, Ind.
Tell City Foundry & Machine Works, Tell City, Ind.
Tell City Planing Mill, sash, door & blind, Tell City, Ind.
Tell City Spoke Co., Tell City, Ind.
Teller, E. J., & Son, machinists, Henderson, Tex.
Teller, Myron, architect, Kingston, N. Y.
Teller, R. K., kitchen knives, etc., Unadilla, N. Y.
Tellers-Kent Organ Co., Erie, Pa.
Tellico River Lbr. Co., Tellico Plains, Tenn.
Telschow, Fred, contractor, Michigan City, Ind.
Temblett, Wm. H., architect, 861 Lakeview rd, Cleveland, O.
Temco Electric Motor Co., Leipsic, O.

nescal Rock Co., Corona, Cal.
nin, Wm., & Son, canned goods, Hartley, Del.
npest Brick Co. (Ltd.), McKeesport, Pa.
npest & Terment, machsts., Monongahela, Pa.
nplar Motors Corp., Halstead & N. Y. C. RR, Cleveland, O.
nple, Adams & Sons, flour mills, Maxonmill, Ky.
nple Art Glass Co., 404 W. Erie, Chicago, Ill.
nple Bros., whol. marble & granite, Rutland, Vt.
nple & Burrows, architects, Davenport Savings Bank Bldg., Davenport, Ia.
nple Coal Co., anthracite, Scranton, Pa.
nple Cotton Oil Co., Temple, Ga.
nple, Harry R., architect, Champaign, Ill.
nple Lbr. Co., Pineland, Texas.
nple Malleable Iron & Steel Co., Harrison Bldg., Phila., Pa.
nple Mfg. Co., chain pumps, N. 22d & S. 54th, Chicago, Ill.
nple Slag Co., Land Title Bldg., Philadelphia, Pa.
nple, Thos. P., cornices, Waterbury, Conn.
nple Univ., engng. schools & coll., Philadelphia, Pa.
npleman's Milling & Canning Co., Templeman Cross Roads, Va.
npleton, Charles A., Inc., builders' & general hardware, iron & steel, mill, factory & automobile supplies & agricultural implements, batteries & bothery supplies, wholesale, Waterbury, Conn.
npleton, Kenly & Co., Ltd., jacks, 1020 So. Central av, Chicago, Ill.
npleton Lime Co., 1019 N. Homan av, Chicago, Ill.
npleton Limestone Co., Templeton, Pa.
npleton Mfg. Co., steam traps, Boston, Mass.
npus Reclaiming Mfg. Co., baling presses, 25 North Seventh, Philadelphia, Pa.
Broeck & Huber, elec. light baths, X-ray app., etc., 214 E. 23rd, New York.
Broeck Tyre Co., 26th & Courtney, Louisville, Ky.
Eyck Pump Co., air pumps, 141-49 W. 62d, Chicago, Ill.
*See adv. index at end of book.*
Mile Lumber Co., Ten Mile, Miss.
acity Mfg. Co., loose leaf devices, Reading, Ohio.
ant, A. W., flour mills, Morgantown, W. Va.
eo Co., Inc., snap fasteners, 116 W. 32nd, New York.
gwall Co., loose leaf devices, 2954 Sheffield av, Chicago, Ill.
ion Stone Co., Tenino, Wash.
ison Bros. Saddlery Co., Dallas, Tex.
k Hardware Co., Quincy, Ill.
nant, C., Sons & Co. of New York, acids, oils, pig iron, etc., 100 William, New York.
nant & Hoyt Co., feed, flour, Lake City, Minn.
nant, Sherman (Est. of ), clothes pins, Northville, N. Y.
nent, H. C., Supply Co., mill & factory supplies, Augusta, Ga.
nes & Greenwell, contractors, Owensboro, Ky.
n. Brick & Tile Co., Dyersburg, Tenn.
n. Burner Mfg. Co., gas burner tips, Chattanooga, Tenn.
n. Cement & Lime Co., Nashville, Tenn.
n. Chemical Co., fertilizer, Nashville, Tenn.
n. Coal, Iron & R. R. Co., Birmingham, Ala.
n. Coffin & Casket Co., Chattanooga, Tenn.
n. Consolidated Coal Co., Tracy City, Tenn.
n. Copper Co., 61 Broadway, New York.
n. Fibre Co., Memphis, Tenn.
n. Hoop Co., Memphis, Tenn.
n. Lime & Sand Co., Knoxville, Tenn.
n. Line & Twine Co., Elizabethton, Tenn.
n. Lumber Mfg. Co., Pottsville, Pa.
n. Lumber & Coal Co., oak flooring, 2nd Nat'l. Bank Bldg., Cincinnati, Ohio, and Glen Mary, Tenn.
n. Metal Culvert Co., Nashville, Tenn.
n. Mill & Mine Supply Co., Knoxville, Tenn.
n. Oak Flooring Co., Nashville, Tenn.
n. Producers' Marble Co., Knoxville, Tenn.
n. Stove Works, Chattanooga, Tenn.
n. Wire & Iron Works, Memphis, Tenn.
ney, A. E., Mfg. Co., machsts., Pawtucket, R. I.
ey & Co., garden cultivators, Decatur, Ill.
ey-Morse Co., mill & facty. supps., 143 Pearl, Boston, Mass.
ing, L. T., switches, Jackson, O.
is, A. H., shoe sewing machs., 47 E. 19th, New York.
is Co., contrs., 32-3 4th av, Pittsburgh, Pa.
is, Edgar M., masons' & bldrs.' matls., Phoebus, Va.
is, F. L., contractor, Hampton, Va.
ison Bros., conductor pipe, shingles, Houston, Tex.
ison, G. E., patternmakers' fillet, 311 Main, Cincinnati, O.
ld Hdwe. Co., mill & facty. supps., Northwood, Ia.
ion Envelope Co., 87 34th, B'klyn, New York.
pentine Co., turpentine substitute, Commercial Trust Bldg., Philadelphia, Pa.
aar & Mundle, glass stainers, 433 William, Buffalo, N. Y.
une, Edgar A., architect, cor. Hudson av & Linden pl, Red Bank, N. J.
une, J. I., Machine Works, Paterson, N. J.
une Lumber Co., Oliver Bldg., Pittsburgh, Pa.
une's, B., Sons, lumber mfrs., Bradfordsville, Ky.
elsen & Wennberg, chuck mfrs., 328 A, Boston, Mass.
aat & Monohan Mfg. Co., elec. lighting systems, Oshkosh, Wis.
inal Elec. Co., transformers, 551 W. 42nd, New York.
inal Machine Co., dealers, 404 Broome, New York.
n & White, lumber, 20th & Erie, Philadelphia, Pa.

Terre Haute Advtg. Co., spec., Terre Haute, Ind.
Terre Haute Boiler Works Co., Terre Haute, Ind.
Terre Haute Bronze & Brass Foundry, Terre Haute, Ind.
Terre Haute Casket Co., Terre Haute, Ind.
Terre Haute Furnace & Sheet Metal Co., cornices, Terre Haute, Ind.
Terre Haute Gas Fixture Co., Terre Haute, Ind.
Terre Haute Handle Co., Terre Haute, Ind.
Terre Haute Heavy Hardware Co., Terre Haute, Ind.
Terre Haute Machine Works, Terre Haute, Ind.
Terre Haute Malleable & Mfg. Co., castings, Terre Haute, Ind.
Terre Haute National Bedding Co., excelsior & mattress mfrs., Terre Haute, Ind.
Terre Haute Paper Co., Dayton, Ohio.
Terre Haute Pressed Brick Co., Terre Haute, Ind.
Terre Haute Rag & Metal Co., scrap iron & steel, Terre Haute, Ind.
Terre Haute Stone Works Co., Terre Haute, Ind.
Terre Haute Vitrified Brick Co., Terre Haute, Ind.
Terrell, W. C., brick, Greenville, Ala.
Terrell's Equipment Co., Grand Rapids, Mich.
Terrien, A., & Co., contractors, Richmond, Vt.
Terriff Perfect Washer Co., Portland, Mich.
Terrill Bros., carriages, Rahway, N. J.
Terry, Andrew, Co., mchsts. & fndrs., Terryville, Conn.
Terry Bros. Co., brick, Kingston, N. Y.
Terry, C. W., architect, Michigan Bldg., Wichita, Kans.
Terry Constr. Co., 607 W. 51st, New York.
Terry, Edw. F., Mfg. Co., derricks, Grand Central Terminal, New York.
Terry, Harry W., architect, Endicott bldg, St. Paul, Minn.
Terry, R. T., brick & tile, Leipsic, Ohio.
Terry Steam Turbine Co., Hartford, Conn.
Terry & Tench Co., steel contractors, Grand Central Terminal, New York.
Terry, W. E., Lumber Co., Galesburg, Ill.
Terry & Williamson, machsts., 43 Sedgwick, Brooklyn, N. Y.
Terryberry, Austin, Palladio Bldg., Duluth, Minn.
Terwedo Mfg. Co., cornices, Oshkosh, Wis.
Terwilliger, D. W., architect, 1 W. 34th, New York.
Terwilliger Floor Mfg. Co., 607 W. 43rd, New York.
Terwilliger & Sohn, architects, 452 5th av, New York.
Terwillinger, A. H., & Son, masons' & bldrs.' matls., Waterloo, N. Y.
Terwillinger's, I., Son, masons' & bldrs.' matls., Ossining, N. Y.
Tesch, Wm., mill & facty. supplies, whol. hdwe., Appleton, Wis.
Tesmer, R. C., stone producers, 5835 Winthrop, Chicago, Ill.
Tessmer Mach. & Tool Co., cutters, 285 Rivard, Detroit, Mich.
Tetley-Klein Lumber Co., Farmington, Mo.
Tetzlaff, Wm., flaxseed, 652 31st, Milwaukee, Wis.
Tetzlaff, H., masons' & bldrs.' matls., Watertown, Wis.
Teufel-Kloess Co., contractors, Belleville, Ill.
Teuffer, Chas., cornices, 4816 W. Erie, Chicago, Ill.
Teuscher & Son Machinery Supply Co., 527 N. 2d, St. Louis, Mo.
Texarkana Brick Co., Texarkana, Ark., & Texarkana, Tex.
Texarkana Casket Co., Texarkana, Tex.
Texarkana Pipe Wks., Texarkana, Ark.
Texarkana Pipe Wks., sewer pipes, Texarkana, Texas.
Tex. Anchor Fence Co., machsts. & fndrs., Ft. Worth, Tex.
Tex. Arm & Pin Co., Beaumont, Tex.
Tex. Bag & Fibre Co., Houston, Tex.
Tex. Bithulithic Co., Dallas, Tex.
Tex. Brass Mfg. Co., Dallas, Texas.
Tex. Builders' Supply Co., Beaumont, Tex.
Tex. Cake & Linter Co., Dallas, Tex.
Tex. Cement Plaster Co., Oklahoma, Okla.
Tex. Co., machsts., Bayonne, N. J.
**TEXAS CO.**, oils, greases & cements, Houston, Tex., & 17 Battery pl, New York. *See adv. index at end of book.*
Tex. Cons. Co., architects, Swearingen-McCraw Bldg., San Antonio, Tex.
Tex. Cotton Mill Co., denims, awning stripes, McKinney, Tex.
Tex. Disc Plow Co., Dallas, Tex.
Tex. Glass & Paint Co., Dallas, Tex.
Tex. Grading Co., Houston, Tex.
Tex. Heavy Hdwe. Co., mill & facty. supps., Ft. Worth, Tex.
Tex. Longleaf Lbr. Co., New Willard, Tex.
Tex. & La. Lbr. Co., Houston, Tex.
Tex. Mfg. Co., mill & facty. supplies, Fort Worth, Tex.
Tex. & Pacific Coal & Oil Co., brick, Thurber, Tex.
Tex. Portland Cement Co., Dallas, Tex.
Tex. Press Brick Co., Ferris, Tex.
Tex. Shipbuilding Co. See Texas Steamship Co. (successor).
Tex. Star Flour Mills, Galveston, Tex.
Tex. State Rice Miling Co., Houston, Tex.
Tex. Steam Engine Wks., Texarkana, Tex.
Tex. Steamship Co., ship bldrs., Bath, Me.
Tex. Supply Co., mill & facty. supps., Beaumont, Tex.
Tex. Tank & Culv. Co., Fort Worth, Tex.
Textile Finishing Machy. Co., 171 Westminster, Providence, R. I.
Textile Leather Co., Inc., artificial imitation leather, 212 Fifth av, New York.
Textile Machine Works, Reading, Pa.
Textile Mfrs. Journal, 1113 Broadway, New York.
Textile Mill Supply Co., Charlotte, N. C.
Textile Products Mfg. Co., tents, bunting, etc., Park av & Dolman, St. Louis, Mo.

Textile Shield Co., metal stamping, 250 Lowell, Lawrence, Mass.
Textile Tube Co., paper sleeves, Fall River, Mass.
Textile World Journal, 334 4th av, New York.
Textileather Co., artificial imitation leather, 212 5th av, New York.
Thacher, A. Q., Contr. Co., 6 Jefferson av, Toledo, Ohio.
Thacher Propeller & Fdry. Co., Albany, N. Y.
Thacker, F. L., machinist, Los Angeles, Cal.
Thackery, J. H., & Son, brick, Broadway, Ohio.
Thain, T. T., architect, Fayetteville, N. C.
Thairwall, Wm. C., & Co., silk thread, 504 Albany, Boston, Mass.
Thal, Ed., architect, Nicholas bldg, Toledo, Ohio.
Thalman & Reed, contrs., Little Rock, Ark.
Thames River Specialties Co., paper & pulp mills, Montville & Uncasville, Conn.
Thames Tow Boat Co., New London, Conn.
Thane Lbr. Co., Arkansas City, Ark.
Thanhouser Film Corp., New Rochelle, N. Y.
Tharpe Hdwe. & Mfg. Co., Monroe, N. C.
Thatcher, A. Q., Contr. Co., Marine Bldg., Toledo, Ohio.
Thatcher Bros., machsts. & fndrs., Mattoon, Ill.
Thatcher, F. M., lbr., Stirling City, Cal.
Thatcher Furnace Co., 131 W. 35th, New York.
Thatcher, Jno., & Son, contractors, 60 Park av, Brooklyn, N. Y.
Thatcher-Kerwin Glass Co., 515 Spruce, St. Louis, Mo.
Thatcher Mfg. Co., dairy apparatus & glass bottles, Elmira, N. Y.
Thatcher Milling & Elevator Co., flour, Logan, Utah.
Thatcher-Rueter Mfg. Co., dies, etc., Cleveland, Ohio.
Thauwald, C. F., & Co., wood mantels, 1224 Harrison av, Cincinnati, Ohio.
Thayer Action Co., piano actions, Rockford, Ill.
Thayer, A. T., machsts. & fndrs., Akron, N. Y.
Thayer, C. C. & A. L., architects, New Castle, Pa.
Thayer & Chandler, air brushes, 913 W. Van Buren, Chic., Ill.
Thayer & Co., machsts, 111 B'way, New York.
Thayer, E. M., & Co., chemicals, 36 Purchase, Boston, Mass.
Thayer, Ezra W., mill & facty. supplies—whol. hdwe., Phoenix, Ariz.
Thayer, Foss Co., patent lthr., 15 South, Boston, Mass.
Thayer Foundry Co., Atchison, Kan.
Thayer, Geo. A., automatic wood turnings, Watson, Mass.
Thayer, H. N., Co., children's bicycles, carriages, vehicles & velocipedes, Erie, Pa.
Thayer, Henry & Co., chemicals, Cambridge, Mass.
Thayer, Hy. S., lumber, Ridgway, Pa.
Thayer, Horace H., Jr., landscape & naval architects, 140 N. Broad, Philadelphia, Pa.
Thayer Mfg. Co., machsts. & fndrs., Williamsburg, Mass.
Thayer, O. A., architect, 89 Franklin, Boston, Mass.
Thayer, O. C., & Son, masons' & bldrs.' matls., Erie, Pa.
Thayer, O. R., architect, 110 Sutter, San Francisco, Cal.
Thayer, P. E., & Co., buffing wheels, cloth brushing machs., etc., Pawtucket, R. I.
Thayer School of Civil Engng., Dartmouth Coll., engng. school & coll., Hanover, N. H.
Thayer Supply Co., mill & facty. & plumbers' supplies—jobbers, Atchison, Kan.
Thayer, T. W., Co., machsts., sash, door & blind mfrs., 18 B'way, New York, & Cazenovia, N. Y.
Thayer & Thayer Mercantile Bldg., New Castle, Pa.
T. H. & B. Chemical Co., rubber substitutes, 500 1st, So. Boston, Mass.

Theall, W. L., contractor, Newburgh, N. Y.
Theanoil Mfg. Co., belt dressing, 2744 N. 24th, Philadelphia, Pa.
Theberge Bros., mason & bldrs.' matls., Lawrence, Mass.
Theiling Lothmann Mfg. Co., sash, door & blind mfrs., 3810 N. 9th, St. Louis, Mo.
Theis', Peter, Sons, marble, onyx, 636 1st av, New York.
Theise, Fred, Mfg. Co., rattan furniture, 176 Commercial, Boston, Mass.
Theisen & Co., contrs., Great Falls, Mont.
Theiss, Henry, machinist, Columbiana, Ohio.
Thelen Bros., archl. iron, Syracuse, N. Y.
Theobold, Gustave A., contractor, 624 Spain, New Orleans, La.
Thermal Appliance Co., water heaters, 420 W. 27th, New York.
Thermal Syndicate (Ltd.), chemical app.—casseroles, crucibles, 50 E. 41st, New York.

Thermex Silencer Wks., marine mufflers, 6 Lewis, Boston, Mass.
Thermo Elec. Regulator Co., 151 W. 22nd, Chicago, Ill.
Thermo Mfg. Co., elec. cooking app., Cleveland, Ohio.
Thermograde Valve Co., heat regulators, 247 Atlantic av, Boston, Mass.
Thermoid Rubber Co., Trenton, N. J.
*See adv. index at end of book.*
Thermophore Mfg. Co., gas heaters, Kalamazoo, Mich.
Theroy Co., solidified alcohol stoves & burners, 233 B'way, New York.

Theurer-Norton Provision Co., meat packers, 3136 W. 63d, Cleveland, O.
Theurer, Otto A., contractor, Watertown, Mass.
Thew Automatic Shovel Co., Lorain, Ohio.
Thibaut, Richard E., wall paper mfrs., 153 Madison av, New York.
Thibaut & Walker Co., varnish mfrs., 9th & West av, Long Island City, N. Y.
Thibodaux Boiler Works Co., Ltd., Thibodaux, La.



Thibodeaux Fdry., Thibodeaux, La.
Thief River Falls Iron Wks., machsts. & fndrs., Thief Rive Falls, Minn.
Thief River Falls Lbr. Co., Security Bk. Bldg., Minneapolis Minn.
Thiele Constr. Co., Johnstown, Pa.
Thiele, E., clays, minerals, etc., 11 Cliff, New York.
Thiele, I. A., Co., tin plate, metals, etc., Evansville, Ind.
Thiele, L. C., Co., hot air furnaces, Indianapolis, Ind.
Thielman, C., contractor, Laurium, Mich.
Thieme, Fred R., architect, 619 81st, Brooklyn, N. Y.
Thiene, P. G., architect, 112 W. 9th, Los Angeles, Cal.
Thiery & Kendrick Mfg. Co., machsts. & fndrs., 660 Franklin, Detroit, Mich.
Thies & Thies, architects, Davies Bldg., Dayton, Ohio.
Thiesen & Hildred Co., masons' & bldrs.' matls., Napoleon, O.
Thill, A. P. Co., plumbers' supplies, 1035 Putnam av, Brooklyn, N. Y.
Thilmany Pulp & Paper Co., Kaukauna, Wis.
Thines, Wm. B., architect, Commonwealth Bldg., Trenton, N. J.
Thinnes, Jacob, Jr., architect, 299 Madison av, New York.
Thissell, Horace A., architect, Clinton, Mass.
Thisslew, Chas., architect, 14 W. Washington, Chicago, Ill.
Thistle Fdry. & Mach. Co., Graham, Va.
Thistle Mfg. Co., clothes washing machines, 5716 Armitage av, Chicago, Ill.
Thistle Mills, cotton duck & canvas, Ilchester, Md.
Thistlewaite Lumber Co., Ltd., Washington, La.
Thlinket Packing Co., canned goods, Yeon Bldg., Portland, Ore.
Thode & Harvis, architects, 406 9th, Brooklyn, N. Y.
Thogmartin & Gardiner, contrs., Fort Scott, Kans.
Thoma, E., & Co., elec. fixture mfrs., Phoenix, Ariz.
Thoman, F., Milling Co., wheat flour, Lansing, Mich.
Thomas, A. C., Guthrie Construction Co., bldg. contr., Shubert Bldg., St. Paul, Minn.
Thomas, A. H., Paint Co., Waverly, N. Y
Thomas, A. J., architect, 27th, Elmhurst, Long Island, N. Y.
Thomas, Albright, Co., machsts., Goshen, Ind.
Thomas & Almquist, fndrs., Superior, Wis.
Thomas, Andrew J., architect, 2526 Webster av, New York
Thomas & Armstrong Co., cornices & skylights, London, O.
Thomas, Arthur H., Co. laboratory apparatus, W. Washington sq, Philadelphia, Pa.
Thomas, B. F., Lumber Co., Carthage, Mo.
Thomas & Betts Co., clamps, boxes, bushings, benders, etc., 63 Vesey, New York.
Thomas Bros., canned goods, Elliston, Va.,
Thomas Bros., contractors, Peru, Ind.
Thomas Bros., & Co., Ltd., masons' & bldrs.' matls., 406 Empire, Detroit, Mich.
Thomas & Brown, machinists & founders, New London, Wis.
Thomas, Buckwalter & Co., stove linings mfrs., Royersford, Pa.
Thomas, C. E., architect, Hagerman Bldg., Colo. Springs, Colo.
Thomas, C. F., & Co., contrs., Louisville, Ky.
Thomas, C. M., architect, Clinton, Ind.
Thomas Canning Co., Grand Rapids, Mich.
Thomas Carbon Remover Co., 15 Railroad, Cortland, N. Y.
Thomas, Chas., stone prod., 1103 S. State, Syracuse, N. Y.
Thomas, Chas., machinist, Elmira, N. Y.
Thomas, Chauncey, & Co., auto bodies & carriages, Blandford, Boston, Mass.
Thomas & Co., church & lodge furniture, wood carvers, Worcester, Mass.
Thomas, D. D., & Son, contractors, Memphis, Tenn.
Thomas, E. R., Motor Car Co., Buffalo, N. Y.
Thomas Elevator Co., electric hoists, etc., 20 South Hoyne, Chicago, Ill.
Thomas Engineering Works, Portland, Ore.
Thomas, F. A., Co., watchman's portable clocks, Wells Fargo Bldg., San Francisco, Cal.
Thomas Flexible Coupling Co., Erie, Pa.
Thomas, Frederick, architect, 135 N. Kenwood av, Baltimore, Md.
Thomas Furnace Co., 740 Kinnickinnic av, Milwaukee, Wis.
Thomas, G. C., & Bros., stone producers, Waterloo, N. Y.
Thomas, G. E., cornices, Duquesne, Pa.
Thomas, G. H. A., Co., lumber, Broad & Poydras, New Orleans, La.
Thomas, G. H., & Co., canned goods, Farmington Falls, Me.
Thomas Grate Bar Co., Birmingham, Ala.
Thomas, H., sashes, doors & blinds, Columbia, S. C.
Thomas, H. D., & Son, contractor, New Albany, Ind.
Thomas, H. L., masons' & bldrs.' matls., Newman, Ill.
Thomas-Hammond Mach. Co., Tacoma, Wash.
Thomas Hardware Co., Suffolk, Va.
Thomas, Harlan, architect, Arcade Bldg., Seattle, Wash.
Thomas & Hobro Co., contractors, 340 Howard av, New Haven, Conn.
Thomas & Hughes, contractors, Utica, N. Y.
Thomas-Huycke Co., masons' & bldrs.' matls., Oliver, Ark.
Thomas, I. P., & Son Co., fertilizer mfrs., Drexel Bldg., Philadelphia, Pa.
Thomas Iron Co., blast furnaces, Hokendauqua, Pa.
Thomas J., Lumber Co., masons' & bldrs.' matls., Topeka, Kan.
Thomas, Jacob, Co., wall paper mfrs., Newark, Del.
Thomas, Jas., fertilizer mfr., Williamsport, Pa.
Thomas, Jeffrey P., landscape architect, 615 6th, Watervliet, N. Y.

aas, John B., architect, Lakewood, N. J.
aas, Jno. Hudson, architect, 1st Natl. Bk. Bldg., Berkeley, Cal.
aas, John R., contractor, Wilkes-Barre, Pa.
aas, Jos., & Son, sash, door & blind mfrs., Leadenhall & Henrietta, Baltimore, Md.
aas-Kinzey Lumber Co., Johnstown, Pa.
aas, L. H., Co., writing inks, paste, etc., W. Congress & S. Peoria, Chicago, Ill.
aas, Lee A., architect, Selling Bldg., Portland, Ore.
aas, Lewis W., architect, Flint, Mich.
aas, M. O., contractor, Sedalia, Mo.
aas Mach. Co., Keokuk, Ia.
aas Mach. Co., shears, Elmira, N. Y.
aas Mfg. Co., chalk mfrs., 117 W. Camden, Baltimore, Md.
aas Mfg. Co., talking machines, motors & parts, Dayton, O.
aas Mfg. Co., agricultural implements, Springfield, Ohio.
aas Milling Co., flour, Marion, Ind., & Thomas, Okla.
aas-Morse Aircraft Co., aeronautical motors, Ithaca, N. Y.
aas Moulding Brick Co., 1203 Chamber of Commerce, Chicago, Ill.
aas-Ogilvie Hardware Co., Shreveport, La.
as, Oscar G., Co., machsts. & fndrs., Taunton, Mass.
as, Otto, architect, 354 Fulton, Jamaica, N. Y.
as, Peter, Co., account registers & stamping wks., Canton, Ohio.
as, Philip, Sons Co., lbr. mfrs., 1621 Kemble, Utica, N. Y.
as & Proetz Lbr. Co., Hall & Angelrodt, St. Louis, Mo.
as, R. L. & Co., Inc., plbrs.' & steam fitters' supplies, Charlottesville, Va.
as, R. N., Co., pegs—husking, Shenandoah, Iowa.
as, R., & Sons Co., porcelain spec., insulators, East Liverpool, Ohio.
as, Rees, masons' & bldrs.' matls., Sumas, Wash.
as, Roberts, Stevenson Co., furnaces & ranges, American & Dauphin, Philadelphia, Pa.
as Rod Co., fishing rods, Bangor, Me.
as, Roy L., architect, Scarborough Bldg., Austin, Tex.
as, S. C., canned goods, Weems, Va.
as, Seth, Clock Co., candlesticks, clocks & metronomes, Thomaston, Conn.
as Slate Co. (Ltd.), roofing slate mfrs., Slatedale, Pa.
as Spacing Machine Co., spacing tables, Fulton Bldg., Pittsburgh, Pa.
as Stationery Mfg. Co., Springfield, Ohio.
as Steel Reinforcement Co., concrete reinfg. matls., Majestic bldg, Detroit, Mich.
as, T., & Co., door & house locks & knobs, 144 Mulberry, Newark, N. J.
as & Turner, contractors, Knoxville, Tenn.
as, Tysilio, architect, Short Hills, N. J.
as, W. A., architect, Park Bldg., Pittsburgh, Pa.
as, Wm. B., architect, 402 Grand av, Oakland, Cal.
as, W. F., machsts., Connell, Wash.
ason, W. J., lumber, Vivian, La.
as, W. W., & Co., kainit, 15 Whitehall, New York.
as, W. & W. E., flour, Milford, N. J.
as, Wm. E., & Co., yacht sails, spray hoods, etc., 42 South, New York.
as, Wm. F., contractor, Hazleton, Pa.
as & Allen, architects, 25 S. 5th, Terre Haute, Ind.
aston Cotton Mills, Thomaston, Ga.
aston Knife Co., pocket knives, Thomaston, Conn.
ston Mfg. Co., screw machine products, Thomaston, Conn.
sville Fertilizer Co., Thomasville, Ga.
sville Iron Works, posts, Thomasville, Ga.
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sville Spoke Wks. Co., Thomasville, N. C.
sville Stone & Lime Co., Thomasville, Pa.
sville Veneer & Panel Co., Thomasville, N. C.
kin & Beyers, masons' & bldrs.' matls., Hastings-Upon-Hudson, N. Y.
son, A., & Co., flour mills, Trenton, N. J.
son, A. D., Co., contrs., Peoria, Ill.
son, A. J., Stone Co., Ellettsville, Ind.
son, Albert N., & Co., lumber, Memphis, Tenn.
son, Albert T., & Co., arc lamps, reflectorscopes, etc., 15 Tremont pl, Boston, Mass.
son & Alexander, contrs., White Plains, N. Y.
son, B., contr., Tampa, Fla.
son, B. N., Co., lumber, 620 Lbr. Ex., Minneapolis, Minn.
son Balance Co., Denver, Colo.
son-Bonney Co., woven wire brushes & machy. dlrs., 18 Henry, Brooklyn, N. Y.
son Bottle Co., Gas City, Ind.
son & Bremer, metal novelties, screw mach. products & spec. machy., 850 S. Canal, Chicago, Ill.
son Bros., canned goods, Cabool, Mo., & East Haddam, Conn.
son Bros., steam htg. contrs., Milnor, Phila., Pa.
son Bros., machinists, 625 Brannan, San Francisco, Cal.
son Bros. Canning Co., Marshfield, Mo.
son Bros. Co., cornices & skylights, Muscatine, Ia.
son Bros., contrs., Atlantic City, N. J.
son Bros. Lbr. Co., Trinity, Tex.
son, C. B., architect, Mutual Life bldg, Seattle, Wash.
son, C. C., & Co., alfalfa meal, 43 S. 11th, Newark, N. J.

Thompson, C. C., Pottery Co., East Liverpool, Ohio.
Thompson, C. L., architect, Mutual Life bldg, Seattle, Wash.
Thompson, C. M. Co., mill & facty. supps., 348 N. Clark, Chicago, Ill.
Thompson, Chas., brick, Painesville, Ohio.
Thompson & Chute Soap Co., Toledo, Ohio.
Thompson & Co., oil well supplies, Mount Jewett, Pa.
Thompson & Co., paints, 857 W. North av, Pittsburgh, Pa.
Thompson Co., traps (fly), Red Oak, Ia.
Thompson, Durkee Co., plumbers' supplies, jobbers, 92 High, Boston, Mass.
Thompson, Dwight, lumber, House Bldg., Pittsburgh, Pa.
Thompson, E. J., architect, Hornell, N. Y.
Thompson, E. J., Co., auto. metal bodies, Forbes & Field, Pittsburgh, Pa.
Thompson, E. M., granite, Fitzwilliam Depot, N. H.
Thompson, E. R., architect, Home Sav. & Loan bldg, Youngstown, Ohio.
Thompson, Edw., masons' & bldrs.' matls., 916 Thayer, New Orleans, La.
Thompson Elec. Clock Co., Memphis, Tenn.
Thompson Elec. Co., cut-out hangers, 5606 Euclid, Cleveland, O.
Thompson Emery Mach. & Supply Co., 235 E. 41st, New York.
Thompson, F. A., architect, 537 Congress, Portland, Maine.
Thompson, F. A., & Co., fumigators, 532 Trombley av, Detroit, Mich.
Thompson, Ferd, & Co., shoe blacking, Rockland, Mass.
Thompson & Fleith Lbr. Co., Wausau, Wis.
Thompson Floor Co., 2209 Sutter, San Francisco, Cal.
Thompson & Ford Lbr. Co., Grayburg, Tex.
Thompson Francis Stove Co., Gallipolis, Ohio.
Thompson, Fdk. W., Co., sash, door & blind mfrs., Norwalk, Conn.
Thompson, G. A., & Sons, packing box mfrs., Hurlock, Md.
Thompson, Geo., mason, Hartford, Conn.
Thompson, Geo. E., contr., Vermont, Ill.
Thompson, Geo. I., & Co., contractors, Clearfield, Pa.
Thompson, Geo. T., masons' & bldrs.' matls., Canandaigua, N. Y.
Thompson Grinder Co., Springfield, Ohio.
Thompson, H. C., Clock Co., machsts., Bristol, Conn.
Thompson, H. D., & Co., masons' & bldrs.' matls., whol. hdwe., Malone, N. Y.
Thompson, H. G., & Son Co., hack saw blades & metal cutting machinery mfrs., New Haven, Conn.
Thompson & Harding, architects, Little Rock, Ark.
Thompson Hardware Co., Lowell, Mass.
Thompson, Hervey, machsts, 233 B'way, New York.
Thompson & Hoague Co., mill & facty. supplies, whol. hdwe., Concord, N. H.
Thompson, Hubman & Fisher, lumber mfrs., North Tonawanda, N. Y.
Thompson, Hugh, Broom Corn Co., 920 W. 8th, Kansas City, Mo.
Thompson Iron Wks., range boilers, 1825 Callowhill, Phila., Pa.
Thompson, J. A., sashes, doors & blinds, Taylor, Tex.
Thompson, J. C., architect, Tulsa, Okla.
Thompson, J., & Co., machsts. & fndrs., Van Horn & Sophia, Philadelphia, Pa.
Thompson, J. D. & Co., cornices & skylights, 2611 Pennsylvania av, Washington, D. C.
Thompson, J. L., lumber, Lyons, Ga.
Thompson, J. P., contractor, 204 Goffe, New Haven, Conn.
Thompson, J. & S. S., masons' & bldrs.' matls., Elizabeth, N. J.
Thompson, J., & Sons, brick, Fortuna, Cal.
Thompson, J. W., contrs., Boatmen's Bank Bldg., St. Louis, Mo.
Thompson, Jas., lbr., Hookset, N. H.
Thompson, Jas. A., cloth boards, boxes, Lowell, Mass.
Thompson, Jas., & Co., bags, book cloth, twine, etc., 112 Prince, New York.
Thompson, Jas., & Sons, masons' & bldrs.' matls., Bay, Stapleton, N. Y.
Thompson, Jno. D., Jr., architect, Ford Bldg., Wilmington, Del.
Thompson, John L., Son & Co., plate glass, Troy, N. Y.
Thompson, John N., contractor, New Rochelle, N. Y.
Thompson, Jos. F., lumber, West Townsend, Mass.
Thompson, Jos. P., contractor, 46 Smith ter, Stapleton, N. Y.
Thompson, Jos., & Son, stone, Englewood, N. J.
Thompson, L. A., Scenic Railway Co., 220 W. 42d, New York.
Thompson, L. C., whol. hdwe., Pottsville, Pa.
Thompson, Leon C., brooms, Concord, N. H.
Thompson-Levering Co., elec. instruments, 325 Arch, Phila., Pa.
Thompson, Lewis C., Co., mill & facty. supps., Pottsville, Pa.
Thompson, Lewis & Co., lumber, N. American Bldg., Phila., Pa.
Thompson, Lewis I., architect, Central Bldg., Portland, Ore.
Thompson & Libby, heaters, Lynn, Mass.
Thompson & McAtee, carriages, Maysville, Ky.
Thompson, M. G., architect, Muncie, Ind.
Thompson Machy. Co., dlrs., Union Arcade, Pittsburgh, Pa.
Thompson Mfg. Co., lawn sprinklers, etc., 2468 E. 8th, Los Angeles, Cal.
Thompson Mfg. Co., mill & facty. supplies, Lancaster, N. H.
Thompson Mfg. Co., plumbers' wood work, Holland, Mich.
Thompson & Matthews Co., contractors, Red Bank, N. J.
Thompson-Miler Hardware Co., Charleston, S. C.
Thompson Milling Co., flour, cereal foods, Lockport, N. Y.
Thompson, N. E., architect, Panken bldg, Spokane, Wash.

Thompson & Norris Co., corrugated paper mfrs., 212 Concord, Brooklyn, N. Y.
Thompson, O. E., & Sons, agricultural implements & masons' & bldrs.' matls., 400 River, Ypsilanti, Mich.
Thompson Plow & Engine Wks., agrl. implements, Beloit, Wis.
Thompson, R. M., flour mills, Bethpage, Tenn.
Thompson, R. R., bronze powder, 90 West, New York.
Thompson, Richard, & Co., grate bar mfrs., regulators, cleaners, etc., 126 Liberty, New York.
Thompson-Starrett Co., contrs., 49 Wall, New York.
Thompson, T. C., & Bros., contractors, Charlotte, N. C.
Thompson, T. H., veneer, Milan, Ind.
Thompson, T., Mfg. Co., lightning rods, Brighton, Ia.
Thompson, T. W., flour mills, Knoblick, Ky.
Thompson, Thos. C., enamels, Wilmette, Ill.
Thompson, Thos. S., architect, Carbondale, Ill.
Thompson Type Machine, 233 W. Erie, Chicago, Ill.
Thompson, W. A. L., Hardware Co., contrs. tools, Topeka, Kans.
Thompson, W. F., architect, 971 S. Westmoreland av, Los Angeles, Cal.
Thompson, Wade, & Co., lumber mfrs., Scottsville, Ky.
Thompson, Walter I., & Son Co., contractors, 6110 Euclid av, Cleveland, Ohio.
Thompson, Walter M., mill & facty. supplies, 1427 Plum, Cincinnati, Ohio.
Thompson, Warner R., sand & gravel producers, Kerr Bldg., Detroit, Mich.
Thompson, Weinman & Co., barytes, Cartersville, Ga.
Thompson, Wm. E., & Son, contractors, Anderson, Ind.
Thompson, Wm. R., contr., 825 Marcey av, Brooklyn, N. Y.
Thompson, William Stuart, architect, 381 4th av, New York.
Thompson & Wills, brick mfrs., Royersford, Pa.
Thompson's, C. M., Sons, machsts., Lexington, N. C.
Thompson's Carbolic Soap Co., sheep dips, 46 Eagle, Brooklyn, N. Y.
Thompson's, Sam'l, Nephew & Co., burlap, 142 Duane, New York.
Thomsen Planing Mill Co., sash, door & blind mfrs., 1700 Vandeventer av, St. Louis, Mo.
Thomsen Chemical Co., Munsey Bldg., Baltimore, Md.
Thomsen Frederick W., architect, 1949 Seminary, Chicago, Ill.
Thomsens, T. J., Foundry, Duluth, Minn.
Thomson, A. H., architect, 222 Market, Newark, N. J.
Thomson, A. H., & Son, masons' & bldrs.' matls., Coshocton, O.
Thomson, Alex., boilermakers' tools, Fitchburg, Mass.
Thomson Bridge Co., 103 Main, San Francisco, Cal.
Thomson-Diggs Co., whol. hdwe., Sacramento, Cal.
Thomson Drop Forge Co., chisels, forgings, etc., Plantsville, Conn.
Thomson Electric Welding Co., 161 Pleasant, Lynn, Mass.
Thomson, G., & Son Co., contractors, 30 N. La Salle, Chicago, Ill.
Thomson & Graves, architects, Hammond, Ind.
Thomson, H. B., architect, Southwestern Life Bldg., Dallas, Tex.
Thomson, J. & A., heating contractors, 1232 W. 11th, Cleveland, Ohio.
Thomson, Jos., Press Co., Nott av, Long Island City, N. Y.
Thomson, Judson L., Mfg. Co., rivet mfrs., etc., Waltham, Mass.
Thomson, L., & Co., lumber mfrs., Albany, N. Y.
Thomson Machine Co., Belleville, N. J.
Thomson Machine Co., jigs, machsts., etc., Canton, Ohio.
Thomson Mfg. Co., bow rests, Watertown, Mass.
Thomson Meter Co., water meters, 110 Bridge, Brooklyn, N. Y.
Thomson-Reiber Implement Co., whol. hdwe., Crowley, La.
Thomson, Robert, & Co., architects, 704 Carrie, & 607 Pope av, St. Louis, Mo.
Thomson, S. H., Mfg. Co., hdwe. mfrs., Dayton, Ohio.
Thomson Spot Welder Co., Lynn, Mass.
Thomson, Theo. S. (Est. of), ties, poles, etc., Thompsontown, Pa.
Thomson, Volney, carriages, Center Montville, Me.
Thomson, W. H., & Co., steel struct. dlrs., Land Title Bldg., Philadelphia, Pa.
Thomson Wood Finishing Co., paint mfrs., 329 N. 3d, Philadelphia, Pa. *See adv index at end of book.*
Thoner & Martens, machsts., 127 Purchase, Boston, Mass.
Thonet Bros., revolving chairs, 43 W. 36th, New York.
Thorburn, J. M., & Co., fertilizer mfrs., 53 Barclay, New York.
Thorburn, Thos., bldg. contr., Duluth, Minn.
Thordarson Electric Mfg. Co., transformers, coils, magnets, igniters, etc., 501 S. Jefferson, Chicago, Ill.
Thoresen, Wm., sheet metal ornaments, 1916 W. North av, Chicago, Ill.
Thorkildsen-Mather Co., acid, borax, saltpetre, etc., Harris' Trust Bldg., Chicago, Ill.
Thorman, O. H., & Co., archts., 1st Natl. Bk. Bldg., El Paso, Tex.
Thorn Cement Co., Prudential Bldg., Buffalo, N. Y.
Thorn, J. S., Co., sheet metal ornaments, ventilating apparatus, etc., 20th & Allegheny av, Philadelphia, Pa.
Thorn, Louis F., architect, 18 S. Broadway, Yonkers, N. Y.
Thorn, W. W., contractor, St. Clair, Pa.
Thornburgh Mfg. Co., machinists—agricultural implements, Bowling Green Ohio.
Thorndike Co., cotton duck, etc., Thorndike, Mass.
Thorndike Co., tickings, 72 Franklin, Boston, Mass.
Thorndike & Hix, canned goods, Rockland, Me.
Thorne, Edwin C., architect, 321 W. 3d, Los Angeles, Cal
Thorne, H. K., architect, Devon, Pa.
Thorne Hold-Fast Metal Bar Co., store front constructi Troy, N. Y.
Thorne, R. M., architect, Renton, Wash.
Thorne, W. K., contr., Coatesville, Pa.
Thornhill Bros., masons' & bldrs.' matls., Xenia, Ohio.
Thornhill, J. H., contractor, Winchester, Ind.
Thornhill Wagon Co., Lynchburg, Va.
Thornley Supply Co., mill & facty. supps., Pawtucket, R. I.
Thornton Bros. & Co., canned goods, Springboro, Pa.
Thornton Bros. Co., contractors, 1320 Findlay av, New Yo
Thornton-Clancey Lbr. Co., 2315 Elston av., Chicago, Ill.
Thornton, E. A., Lumber Co., box shooks, 11 S. La Salle, C cago, Ill.
Thornton Fire Brick Co., Clarksburg, W. Va.
Thornton & Ginder, contrs., Arcola, Ill.
Thornton, H. Newton, architect, Idaho Falls, Idaho.
Thornton, John, Jr., harness awls, needles, 108 Worth, N York.
Thoroughgood & Co., lumber, Janesville, Wis.
Thoroughgood Co., masons' & bldrs.' matls., Georgetown, D
Thorp, A., & Son, Crate Co., Roseville, Ohio.
Thorp, Alfred H., Esq., archt., Seabright, N. J.
Thorp Fire Proof Door Co., 1600-1610 Central av, Minneapol Minn.
Thorpe, J. F., & Son, contrs., 525 Market, San Francisco, C
Thorpe. Richard, Co., cotton damasks, 1657 Meadow, Phi delphia, Pa.
Thrasher, R. H., canned goods, Springwood, Va.
Thread Agency, 260 W. Broadway, New York.
Thread Tight Co., pipe joint cements, compounds & paste, 2 Bowery, New York.
Threadcraft, E. C., matresses, Norfolk, Va.
Threading Machine Co., pipe threading machines, Sandusky,
Threadless Pipe Fitting Co., 50 Columbia, Newark, N. J.
Three Forks Portland Cement Co., Denver, Colo.
Three-In-One Oil Co., lubrg., 165 Broadway, New York.
Three Lakes Lbr. Co., Three Lakes, Wash.
Three Rivers Brass Wks., Three Rivers, Mich.
Three Rivers Iron & Metal Co., scrap iron & steel, Three Rive Mich.
Three Rivers Mach., Tool & Die Corp., couplings & flexib shafts, Phoenix, N. Y.
Three Rivers Packing Co., meat packers, Three Rivers, Mich.
Three Rivers Paper Co., Phoenix, N. Y.
Three Rivers Railway Supply Co., machsts. & fndrs., Thr Rivers, Mich.
Three Star Slide Co., lantern slide mfrs., 30 E. Randolp Chicago, Ill.
Three States Cedar Co., 1102 Plymouth Bldg., Minneapoli Minn.
Three States Lumber Co., Memphis, Tenn.
Threefoot Bros. & Co., fertilizer & harness mfrs., Meridian, Mi
Threewit, Benj. F., masons' & bldrs.' matls., Denver, Colo.
Threlkeld, M. C., contr., 65 Market, San Fransisco, Cal.
Thresher Varnish Co., Dayton, Ohio.
Throm, Chas. F., trough mfr., Toledo, Ohio.
Throop College of Technology, engng. schools & coll., Pasaden Cal.
Throop-Martin Co., sash, door & blind mfrs., 139 E. Chestnu Columbus, Ohio.
Thrope, F. M., Mfg. Co., bag holders, broom holders, hor muzzles, etc., Larmar, Mo.
Thropp, Jos. E., blast furnaces, etc., Earlston, Pa.- (P. Everett, Pa.)
Thropp, Wm. R., & Sons' Co., rubber machy., etc., Trenton, N.
Thropp's, Jno. E. Sons Co., rubber mill, cement, etc., machy ft. of Lewis, Trenton, N. J. *See adv index at end of book.*
Thrower, D. E., lumber, Ridgeville, S. C.
Thrush, E. H., lumber, Camas Valley, Ore.
Thrush, Herbert, carriages, Shippensburg, Pa.
Thrush, Perry R., contractor, Lemcke Bldg., Indianapolis, Ind.
T. & H. Supply Co., advtg. spec., Oneida, N. Y.
Thuener, Chas., Planing Mill Co., sash, door & blind mfrs Prairie & Lucky, St. Louis, Mo.
Thum, Chas. D., brushes, boiler cleaners, etc., 150 N. 3d, Phila delphia, Pa.
Thum, O. & W., Co., fly paper, Grand Rapids, Mich
Thumb, E. W., carriage top dressing, floor oils, etc., 872 O leans, Chicago, Ill.
Thurlow Steel Works, iron forgings, Chester, Pa.
Thurman, J. C., contractor, El Monte, Cal.
Thurman, L. L., & Co., architects, Andrews Bldg., Dallas, Tex.
Thurman Mfg. Co., knitted gloves, bathing suits, sweaters, etc 427 Ashmead, Philadelphia, Pa., & Madera, Cal.
Thurman Vacuum Cleaner Co., Pontiac Bldg., St. Louis, Mo.
Thurmond Bros., flour, Forsyth, Ga.
Thurnauer, G. M. Co., gas burner tips, carpet & egg beater brushes, etc., 6 E. 20th, New York.
Thurnauer, Otto, gas lamps, etc., 28 W. 22nd, New York.
Thurner, Jos. J., contractor, 798 Crescent, Long Island Cit N. Y.
Thurstin, W. G., architect, Spitzer bldg, Toledo, Ohio.
Thurston, A. G., & Son, mchsts., Fall River, Mass.
Thurston & Braidich, tragacanth imports, 27 Cliff, New York.
Thurston Bros., coffins, etc., So. Union, Me.
Thurston & Co., contractors, 57 Post, San Francisco, Cal.

urston, F. W., Co. See Day, Jas. B. & Co. (successor).
urston, H. T., Co., machsts., Boothbay Harbor, Me.
urston & Hale, cornices & skylights, Rockport, Mass.
urston & Haskell, contractors, Elmira, N. Y.
urston Manual Training Supply Co., cabinet hdwe., Anoka, Minn.
urston Mfg. Co., machinery & tool mfrs., 140 Benedict, Providence, R. I.
urston, Oscar, masons' & bldrs.' mtls., Darby, Pa.
urtell, B. W., steam traps, 22 Quincy, Chicago, Ill.
urton, J. K., contractor, 101 Park av, New York.
urwachter, L. L., & Sons, clothes baskets, 215 W. Fayette, New York.
wing Instrument Co., pyrometers & electric testing instruments, 3339 Lancaster av, Phila., Pa.
ye, John, contractor, Burlington, Ia.
ye, M. P. & Co., elec. contrs., 225 E. 2d, Los Angeles, Cal.
ym Cut Stone Co., Brannon av & Odell, St. Louis, Mo.
bets Pacific Co., contractors, 16 California, San Francisco, Cal.
bits, Chas. H., masons' & bldrs.' matls., Portchester, N. Y.
eri, John, contr., 6245 S. Parkside av, Chicago, Ill.
henor, F. C., Gear Works, Peoria, Ill.
kell, Jos., & Son, fndrs., Vicksburg, Miss.
kle, Arth., mchst. & fndr., 21 Delevan, Bklyn., N. Y.
onderoga Machine Works, Ticonderoga, N. Y.
onderoga Pulp & Paper Co., 200 5th av, New York.
e-Water Bldg. Co., 16 E. 33rd, New York.
ewater Coal & Coke Co., Vivian, W. Va.
ewater Iron Works, machsts., Hoboken, N. J.
e Water Mill Co., lbr., Eatonville, Wash.
ewater Mill Co., lbr., Florence, Ore.
ewater Oil Co., 11 B'way, New York.
ewater Paper Mills Co., 32 33d, Brooklyn, N. Y.
ewater-Portland Cement Co., Calvert Bldg., Baltimore, Md.
ewater Stencil Works, Norfolk, Va.
ewater Supply Co., machinery dealer, Norfolk, Va.
ewater Supply Co., mill & facty. supps., Newport News, Va.
ey, F. W., saw benches or tables, Irvington, N. J.
y, M. B., machy. dealer, 80 Warren, Newark, N. J.
low, Cliff, architect, Lockhaven, Pa.
Co., tying devices, hooks, knives, etc., Unadilla, N. Y.
bout, C. H., & Sons, hardware mfrs., 31 Grand, Brklyn., N. Y.
bout, W. & J., hardware mfrs., 118 Chambers, New York.
leken, Theo. C., & Bro., carriages, Camden, N. J.
lemann, Chas., Milling Co., flour, O'Fallon, Ill.
lt & Markthaler, interior hardwood work, 506 Col. av, New York.
nann, Geo., & Co., surgical instruments, 107 Park row, New York.
nan, Luke, cornices, 1019 Chestnut, St. Louis, Mo.
ney Bros., scarp iron & steel, Streator, Ill.
ney, D. J., mill & facty. supps., 1620 W. Lake, Chicago, Ill.
ney, James E., mill & facty. supps., 131 Washington, Providence, R. I.
ney, P. J., Sons, lunch wagons, New Rochelle, N. Y.
ig & Lee, architects, Fourth Nat'l Bk. Bldg., Cincinnati, O.
ien & Lang Dry Dock Co., machinists, Hoboken, N. J.
ney, R. E., architect, Carbondale, Pa.
ny & Co., machinists, 5th av & 37th, New York.
ny & Conrad, architects, Phelps Bk. Bldg., Binghamton N. Y.
ny Elec. Mfg. Co., self winding clocks, Ellicott sq, Buffalo. N. Y.
ny Enamel Brick Co., Momence, Ill.
ny, Hall & Co., Inc., 2d hand elec. machy., 7th & Adams, Hoboken, N. J.
ny Machine Shop, Poughkeepsie, N. Y.
ny Motor Co., West New York, N. J.
ny Never Wind Clock Corp., 2964 Main, Buffalo, N. Y.
ny & Pickett Co., lumber, Winsted, Conn.
ny Studios, archl. modelers & sculptors, 361 Madison av, New York.
y's Carriage Works, San Diego, Cal.
Art Metal Co., 20 Broad, Tiffin, O.
Brick Co., Tiffin, Ohio.
Mfg. Co., church furniture, Tiffin, Ohio.
Wagon Co., Tiffin, Ohio.
Constr. Co., Iroquois bldg., Buffalo, N. Y.
H. H., mill & facty. supplies, Tifton, Ga.
Silica Brick Co., Tifton, Ga.
n Guano Co., Tifton, Ga.
Drill Mfg. Co., machsts., Beaver Dam, Wis.
, Ellis, Co., masons' & bldrs'. matls., Gladstone, N. J.
-Shoals Milling Co., flour, fertz. mfrs., Wellford, S. C.
Vehicle Co., carriages, Freeport, Ill.
ton Lumber Co., Tigerton, Wis.
, John J., mchst. & fndr., 150 25th, Bklyn., N. Y.
n, Frank W., machst. & fndr., Hinsdale, N. H.
n, Geo. T., archt., 55 White, Milton, Mass.
n, Guy, & Son, architects, Canton, O.
n, Marmaduke, Jr., architect, 1627 Sansom, Phila., Pa.
n & Register, architects, 1713 Sansom, Philadelphia, Pa.
e Universal Flooring Co., 437 W. 33d, New York.
on & Hollingsworth Co., paper & pulp mills, 49 Federal, Boston, Mass.
Pratt Co., openers, knives, cutters (paper), Essex, Conn.

Tilghman-Brookshank Sand Blast Co., sand blast machine & equipment, 1126 S. 11th, Philadelphia, Pa.
Tilghman Canning Co., Tilghman, Md.
Tilghman Cypress Co., Lukens, Fla.
Tilghman Lbr. Co., Richmond, Va.
Tilghman Packing Co., Tilghman, Md.
Tilghman, W. B., Co., lumber & fertilizer mfrs., Salisbury, Md.
Till, Frank, Orna, Iron Works, 211 W. 19th, Kansas City, Mo.
Tillar, W. T., Co., whol. hdwe., Emporia, Va.
Tiller, Geo. W., contractor, Richmond, Va.
Tiller-Glenn Co., fertilizer, Carlton, Ga.
Tillery, J. F., Iron Co., scrap iron, Knoxville, Tenn.
Tilley, Harry H., dock bldrs., 258 E. 138th, New York.
Tilley, Jno. S., Ladders Co., Watervliet, N. Y.
Tillinghast, B. D., machsts., McDonald, Pa.
Tillinghast, L. H., Supply Co., plumbers' supplies—jobbers, 162 Dorrance, Providence, R. I.
Tilion, P., & Son, archts., 103 Park Row, New York.
Tillion, Philemon, architect, 381 Fulton, Brooklyn, N. Y.
Tillman Bros., mattresses, La Crosse, Wis.
Tillmann, E., electro plating, 197 Grand, New York.
Tillotson Humidifier Co., textile machy., 78 Fountain, Providence, R. I.
Tillotson Mfg. Co., carbureters, Toledo, O.
Tilson Mfg. Co., pail clasps, Malden, Mass.
Tilton, B., machst. & fndr., Prescott, Ariz.
Tilton Bros., cornices & skylights, Portland, Ore.
Tilton, Chas. P., contractor, Atlantic City, N. J.
Tilton & Cherry, carriages, Keyport, N. J.
Tilton, John N., architect, 226 S. La Salle, Chicago, Ill.
Tilton Mills, belting mfrs.—solid cotton, Tilton, N. H.
Tilton Optical Co., Tilton, N. H.
Tilton, Wm. A., architect, 76 Montgomery, Jersey City, N. J.
Tim, Jno, W., & Son, umbrellas, 633 Penn av, Pittsburgh, Pa.
Timberlake, J. B. & Sons, brackets, hangers, racks, etc., Jackson, Mich.
Time System Co., pneumatic clocks, 870 Woodward av, Detroit, Mich.
Time & Emery Co., numbering machines, 9 S. Clinton, Chicago, Ill.
Timken-Detroit Axle Co., roller bearings, Clark av, Detroit, Mich.
Timken Boiler Bearing Co., automotive vehicle bearings, Canton, Ohio.
Timlick, E. W., brass fndrs., Watertown, N. Y.
Timme, E. A., & Son, stencils, Worcester, Mass.
Timmerman, P. V. R., masons' & bldrs., matls., Catskill, N. Y.
Timmerman, W. A., brick, Dayton, Ohio.
Timmis & Chapman, architect, 315 5th av, New York.
Timmis & Clissold, fillet rapping plates, etc., Bound Brook, N. J.
Timmins-Walters Mach. Co., Lexington, Ky.
Timmons Lumber Co., Springfield, Mo.
Timmonsville Oil Co., fertz. mfrs., meal, Timmonsville, S. C.
Timms, Cress & Co., masons' & bldrs.' matls., 184 2nd, Portland, Ore.
Timms, S. R., flour, Pendleton, S. C.
Timms, Thos. L., contractor, 253 6th av., Salt Lake City, Utah.
Tin Decorating Co., boxes, Boston & Linwood av, Baltimore, Md.
Tindall, Chas. H., & Son, contractors, Wilmington, Del.
Tindall, Roscoe C., architect, Equitable Bldg., Wilmington, Del.
Tindall, Wm. C., contractor, Wilmington, Del.
Tindel-Morris Co., milling machs., Eddystone, Pa.
Tingley, C. Wallace, stone, 720 31st, Milwaukee, Wis.
Tingley, Chas. O., & Co., carriage dressing, Rahway, N. J.
Tingley & Co., granite, 215 W. Exch., Providence, R. I.
Tingley, Frank E., plate glass, sash, door & blind mfr., Pawtucket, R. I.
Tingue, Brown & Co., felt mills, 118 E. 25th, New York.
Tingue Mfg. Co., plushes, Seymour, Conn.
Tinker, F., & Sons Co., forged steel rolls, 5687 Butler, Pittsburgh, Pa.
Tinkhan, C. O., bean cleaners, Akron, N. Y.
Tinlek, E. W., brass fndrs., Watertown, N. Y.
Tinley Bros. Co., sash, door & blind mfrs., Bush & Nanticoke, Baltimore, Md.
Tinnerman Stove & Range Co., machsts. & fndrs., 2038 Fulton rd., Cleveland, O.
Tinsley Ry. Supplies & Equipment Co., McCormick Bldg., Chicago, Ill.
Tinsley, S. P., architect, Spartansburg, S. C.
Tinsman, M. L., & Co., slate blackboards, Pen Argyl, Pa.
Tioga Mill & Elev Co., cattle & poultry feed, Waverly, N. Y.
Tioga Steel & Iron Co., forgings, 52nd & Grays, Philadelphia, Pa.
Tiona Oil Co., lubrg., Binghamton, N. Y.
Tiona Refining Co., lubrg. oils, Indianapolis, Ind.
Tip-It, Inc., welding compounds, 120 B'way, New York.
Tipler, Grossman Lbr. Co., Green Bay, Wis.
Tipless Lamp Co., Emporium, Pa.
Tipp Whip Co., Tippecanoe City, Ohio.
Tippett & Wood, steel tank mfrs., Phillipsburg, N. J.
Tippins, A. L., turpentine, Daisy, Ga.
Tips Fdry. & Mach. Co., Austin, Tex.
Tips Hardware Co., wholesale, San Antonio, Tex.
Tips, Walter, Co., masons' & bldrs.' matls.—whol. hdwe., Austin, Tex.
Tipton Cotton Mills, cotton sheetings, Covington, Tenn.
Tipton Farmer Canning Co., Tipton, Ia.

Tipton Hardware Co., Tipton, Ia.
Tipton & Mackey Mfg. Co., htg. contrs., 4948 Easton av, St. Louis, Mo.
Tip-Top Brick Co., Tip-Top, Va.
Tirrill Gas Mach. Lighting Co., 103 Park av, New York.
Tischer, G. W., Co., whol. hdwe., Dayton, Ohio.
Tisdale Lumber Co., Ottumwa, Ia.
Tish, W. S., contractor, Coshocton, Ohio.
Tissier Hdw. Co., Selma, Ala.
Titan Engng. Co., spark coils, igniters & storage battery charging sets, Union City, Ind.
Titan Metal Co., bronze rods, etc., Bellefonte, Pa.
Titan Truck Co., 25th, Milwaukee, Wis.
Titanium Alloy Mfg. Co., Niagara Falls, N. Y.
Titanium Bronze Co., Inc., Niagara Falls, N. Y.
Titanium Pigment Co., Niagara Falls, N. Y.
Titchener-Culver Iron Wks., machsts. & fndrs., Oneonta, N. Y.
Titchener-Diehl Co., wire shapes, 1846 Austin av, Chicago, Ill.
*See adv. index at end of book*
Titchener, E. H., & Co., mfrs. wire goods, Binghamton, N. Y.
Titeflex Metal Hose Corp., Badger av & Runyon, Newark, N. J.
Tittle, C. L., htg. contrs., Blairsville, Pa.
Titus & Bowne, masons' & bldrs. matls., Glen Cove, N. Y.
Titus, Cutler, bldg. contr., 70 Sewer, Lynn, Mass.
Titus, E. E., machst. & fndr., Petersburg, Va.
Titus & Hicks, buckwheat flour, Battle Creek, Mich.
Titus, John E., architect, Newton Upper Falls, Mass.
Titus Mach. Co., Marion, Ohio.
Titus, Thurlow, machst. & fndr., Coldwater, Mich.
Titusville Forge Co., Titusville, Pa.
Titusville Handle Co., Titusville, Pa.
Titusville Iron Co., machsts. & fndrs., Titusville, Pa.
Titusville Oil Wks., petroleum, Titusville, Pa.
Tivy, Lawrence, htg. contr., 13 Platt, New York.
Tjossem, R. P., & Son, flour mills, Ellensburg, Wash.
T. M. & G. Chemical Co., Belleville, N. J.
Tobacco Leaf Pub. Co., 198 B'way, New York.
Tobacco World, trade journal, 236 Chestnut, Philadelphia, Pa.
Tobey, Curtis, architect, Phoenix, Ariz.
Tobey Lime Co., West Stockbridge, Mass.
Tobey, W. A., architect, Falmouth, Mass.
Tobias & Sheridan, common brick, Hamburg, Pa.
Tobin, Richard L., Co., contractors, East Orange, N. J.
Tobin, T. M., & Bros. Co., masons' & bldrs.' matls., 9326 S. Chicago av, Chicago, Ill.
Tobler & Co., Inc., bolting cloth importers, 35 S. William, New York.
Toburen & Co., masons' & bldrs.' matls., Clebourne, Kan.
Toccoa Cotton Mills, Toccoa, Ga.
Toch Bros., damp resisting paints, 320 5th av., New York.
Tocha, Anton A., architect, 1225 N. Ashland av, Chicago, Ill.
Tock Screw Machine Products Corp., 203 8th, Long Island City, N. Y.
Tockwotton Co., buttons, upholsterers' tacks, Providence, R. I.
Tod-Stambaugh Co., iron ores, 601 Perry-Payne, Cleveland, Ohio.
Todaro, Vincent S., architect, 1838 W. 8th, Brooklyn, N. Y.
Todd, A. M., Co., essential oils, Kalamazoo, Mich.
Todd Bros., machinists, Ottawa, Ohio.
Todd Salt Co., salt mfrs., 407 E. 8th, New York.
Todd-Donigan Iron Co., whol. hdwe., 813 W. Main, Louisville, Ky.
Todd Dry Dock & Constr. Corp., Tacoma, Wash.
Todd, E. R., masons' & bldrs.' matls., Saratoga Springs, N. Y.
Todd, Edw., & Co., gold pens, 1 W. 34th, New York.
Todd, Harold B., pianos, 1431 Brown, Philadelphia, Pa.
Todd, J., & Co., contractors, 19 S. La Salle, Chicago, Ill.
Todd, Jas., contractor, Newburgh, N. Y.
Todd, Jas. E., contractor, 255 Kimberly av, New Haven, Conn.
Todd, John H. L., steel importer, 50 Broad, New York.
Todd & Lyons, contractors, Coupeville, Wash.
Todd Mfg. Co., automobile dashes, 14 N. 12th, Minneapolis, Minn.
Todd & Nottingham Co., contrs., engrs., 1005 Webster, Oakland, Cal.
Todd Protectograph Co., check protectors, 1050 University av, Rochester, N. Y.
Todd, Simons & Todd, architects, Charleston, S. C.
Todhunter, H. H., architect, Hayden Bldg., Columbus, Ohio.
Todhunter & Edmondson Co., sash, door & blind mfrs., Peoria, Ill.
Todt & Peters, iron, 322 Main, San Francisco, Cal.
Toepel, H. J., contr., Galena, Ill.
Toepfer, Frank, Sons, gas engines, gears, 460 Nat. av, Milwaukee, Wis.
Toepfer, W., & Sons Co., machsts. & fndrs., 80 Menomonee, Milwaukee, Wis.
Toepke, Will H., architect, 924 Market, San Fransisco, Cal.
Toerring, C. J., Co., blue prints & papers & lamps, 2121 Toronto, Philadelphia, Pa.
Toft, M. J., Constr. & Realty Co., Benoist Bldg., St. Louis, Mo.
Tofte Boiler & Sheet Iron Wks., Houston, Tex.
Tognarelli & Voigt Co., archl. modelers, 1743 N. 12th, Phila., Pa.
Tokheim, John J., gasoline tanks, Cedar Rapids, Ia.
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind.
Tolan, S., architect, Farmers Trust bldg, Fort Wayne, Ind.
Toland & Son, mach. knives, saws, 232 Front, Baltimore, Md.
Toledano, Wogan & Bernard, architects, Perrin Bldg., New Orleans, La.
Toledo Art Glass & Mirror Works, Toledo, Ohio.
Toledo Auto Motive Products Co., machst. & screw mach products, 2240 S. Mead av, Toledo, Ohio.
Toledo Battery Co., Toledo, Ohio.
Toledo Belting Co., Toledo, Ohio.
Toledo Boiler Compound Co., 404 Clarke, Toledo, Ohio.
Toledo Brass & Iron Wks., Toledo, Ohio.
Toledo Brass & Novelty Works, Toledo, Ohio.
Toledo Brick & Tile Co., Toledo, Ohio.
Toledo Bridge & Crane Co., 2500 Dorr, Toledo, Ohio.
*See adv. index at end of book.*
Toledo Builders' Supply Co., Spitzer Bldg., Toledo, Ohio.
Toledo Button Machine Co., 3440 Summit av, Toledo, Ohio.
Toledo Cable Co., 506 St. Clair, Toledo, Ohio.
Toledo Chandelier Co., 129 Huron, Toledo, Ohio.
Toledo Cooker Co., Toledo, Ohio.
Toledo Desk & Fixture Co., Toledo, Ohio.
Toledo Fence & Post Co., 2907 Summit, Toledo, Ohio.
Toledo Fibre Package Co., Toledo, Ohio.
Toledo-Findlay Tire & Rubber Co., Findlay, Ohio.
Toledo Foundry & Machine Co., Toledo, Ohio.
Toledo Furnace Co., Toledo, Ohio.
Toledo Grain & Milling Co., Toledo, Ohio.
Toledo Incinerator Co., Toledo, Ohio.
Toledo Machine & Tool Co., Toledo, Ohio.
Toledo Mfg. & Supply Co., Toledo, Ohio.
Toledo Mattress Factory, Toledo, Ohio.
Toledo Metal Furniture Co., Toledo, Ohio.
Toledo Metal Manufactures Co., The, steel pipe, etc., Michigan Toledo, Ohio. *See adv index at end of book.*
Toledo Metal Wheel Co., Toledo, Ohio.
Toledo Pipe Threading Machine Co., 1440 Summit, Toledo, Ohio.
Toledo Plate & Window Glass Co., Toledo, Ohio.
Toledo Pulp Plaster Co., masons' & bldrs.' matls., Toledo, Ohio.
Toledo Rack & Level Co., 1215 W. Bancroft, Toledo, Ohio.
Toledo Reynolds Mfg. Co., curtain rings & hdwe. spec., West Toledo, Ohio.
Toledo Rubber Co., Toledo, Ohio.
Toledo Saw & Supply Co., Toledo, Ohio.
Toledo Scale Co., Toledo, Ohio.
Toledo Scrap Iron Metal Co., Ohio Bldg., Toledo, Ohio.
Toledo Shipbuilding Co., dry docks, Toledo, Ohio.
Toledo Standard Commutator Co., Toledo, Ohio.
Toledo Steel Barrel Co., Toledo, Ohio.
Toledo Steel Castings Co., Toledo, Ohio.
Toledo Steel Products Co., valves, etc., Toledo, Ohio.
Toledo Steel Tube Co., Toledo, Ohio.
Toledo Stone & Glass Sand Co., Toledo, Ohio.
Toledo Stove & Range Co., mfrs., Toledo, Ohio.
Toledo Sugar Co., Toledo, Ohio.
Toledo Tap & Die Co., Clinton, Toledo, Ohio.
Toledo Univ. Industl. Science, engng. schools & coll., Toledo, O.
Toledo Vitrified Brick Co., 622 Madison av, Toledo, Ohio.
Toledo Wheelbarrow Co., 2400 B'way, Toledo, Ohio.
Toledo Wire & Iron Works, Toledo, Ohio.
Tolerton, I. G., & Son, masons' & bldrs.' matls., Alliance, Ohio.
Toles, W. C., Co., machsts., 4034 N. Tripp av, Chicago, Ill.
Tolhurst Machine Works, hydro-extractors, metal dryers, etc., Troy, N. Y.
Toliver, L. H., machinist, Abilene, Kan.
Tolland, J. W., machinist, 231 Chestnut, St. Louis, Mo.
Tolles, J. H., & Co., lbr., Nashua, N. H.
Tollner's, Chas., Sons Co., lock corner & pencil boxes, Pulaski, N. Y.
Tolman, I. W., dividers, window springs & storm window fasteners, 38 Clifton, Worcester, Mass.
Tolman, J. H., contractor, Seattle, Wash.
Tolman Mfg. Co., welding & cutting apparatus, 19 W. 3rd, Boston, Mass.
Tolsma, R. B. & Co., mill & facty. supps., Seattle, Wash.
Toltz, King & Day, architects, Pioneer bldg, St. Paul, Minn.
Tom Thumb Carbureter Co., New London, Ohio.
Tomahawk Pulp & Paper Co., Tomahawk, Wis.
Tomahawk Steel & Iron Works, machsts. & fndrs., Tomahawk, Wis.
Tomaka Land Co., turpentine, De Land, Fla.
Tomaselli, Louis, architect, St. Anthony, Idaho.
Tomasello, Antonio G., contr., 69 Gibson, Boston, Mass.
Tomato Products Co., canned goods, Paoli, Ind.
Tombigbee Cotton Mills, bags, sheeting & cotton wks., Columbus, Miss.
Tomcheck, A. C., contrs., Manitowoc, Wis.
Tomkins, Alfred, Co., furnaces, House Bldg., Pittsburgh, Pa.
Tomkins Bros., masons' & bldrs.' matls., 74 Passaic, Newark, N. J.
Tomkins, Calvin, crushed stone, 30 Church, New York.
Tomkins Cove Stone Co., Tomkins Cove, N. Y.
Tomkins-Cristy Hardware Co., Telluride, Colo.
Tomkins, Lewis H., Hardware Co., Aspen, Colo.
Tomkinson, Kenyon & Tomkinson Co., mill feed, Honeoye Falls, N. Y.
Tomlin-Harris Machine Co., Cordele, Ga.
Tomlin Sheet Metal Wks., cornices & skylights, Seattle, Wash.
Tomlines, Thos. L., consulting engineer, Watertown, N. Y.
Tomlinson, DeWitt, Co., machsts. & brass fndrs., Mansfield, Pa.
Tomlinson, Frank, contr., Ashland, Wis.
Tomlinson & Egan, contrs., Ashland, Wis.
Tomlinson, Harry C., architect, 917 Melrose av, Trenton, N. J.

mlinson, H. Webster, architect, 64 E. Van Buren, Chicago, Ill.
mlinson Mfg. Co., sheet metal stamping, Canton, Ohio.
mme, S. M., & Sons, lbr., Hartburg, Texas.
mpert, Walter W., architect, Dayton Sav. & Tr. bldg, Dayton, Ohio.
mpkins Bros. Co., machinists, Syracuse, N. Y.
mpkins, John Almy, architect, 20 W. 43d, New York.
mpkins Kiel Marble Co., 505 Fifth av., New York.
ms, John J., contractor, Brendeis Bldg., Omaha, Neb.
mson, P. C., & Co., soap & soap powders, 29 Washington av, Philadelphia, Pa.
n-A-Ford Truck Co., Racine, Wis.
nawanda Advtg. Co., Tonawanda, N. Y.
nawanda Board & Paper Co., Tonawanda, N. Y.
nawanda Iron & Steel Co., blast furnaces, North Tonawanda, N. Y.
nella & Sons, granite, Milford, N. H.
ngue, R. E., & Bros. Co., oil cans, Allegheny av & Amber, Philadelphia, Pa.
nk Mfg. Co., music cabinets, 1912 Lewis av, Chicago, Ill.
nk, Wm., & Bro., pianos, 456 10th av, New York.
nks Bros., buttons, 237 High, Newark, N. J.
nsen, E. B., Co., cornices, 131 Harmon, Milwaukee, Wis.
nhey, M. J., & Co., mill & facty. supplies, Fall River, Mass.
nker, E. Post, landscape architect, 101 Park av, New York.
nker & Marsh, architects, 101 Park av, New York.
nl Salvage Co., cutters (milling), 407 Fort E., Detroit, Mich.
nl, Steel, Gear & Pinion Co., Township av, Elmwood pl, Cincinnati, Ohio.
nle & Sunderlin, dock bldrs., Warren Bldg., Bridgeport, Conn.
nle, W. B., masons' & bldrs.' matls., Augusta, Ga.
nle, W. K., Co., mill & facty. supplies—whol. hdwe., 180 Main, Pawtucket, R. I.
nmer, P. J., Lbr. Co., Hattiesburg, Miss.
nmey, Frank, machy. dlrs., 127 N. 3d. Philadelphia, Pa.
nmey, S., Co., carriages, Dover, Ohio.
nanelian, Edward, architect, 340 Main, Worcester, Mass.
neka Bridge & Iron Co., Topeka, Kans.
neka Flour Mill Co., Topeka, Kans.
neka Foundry & Iron Works, Topeka, Kan.
neka Steam Boiler Works, Topeka, Kans.
neka Tent & Awning Co., Topeka, Kans.
neka Vitrified Brick & Tile Co., Topeka, Kans.
nky Bros., mill & facty. supps., Ashtabula, Ohio.
nliffe, Ely Co., toys, Washington, Pa.
np, G. A., & Co., framing tools, Indianapolis, Ind.
np, O. M., architect, Jenkins Bldg., Pittsburgh, Pa.
np, Stewart, Tractor Co., Clintonville, Wis.
npan Boat Mfg. Co., motor boat, 87 Washington No., Boston, Mass.
nper Bros., scrap rubber, Kimball & Mitchell, Columbus, O.
nper & Edelmann, bristles & horse & badger hair, 525 Stone av, Brooklyn, N. Y.
nping Bros., whol. hdwe., 122 Chambers, New York.
nton Foundry Co., Topton, Pa.
nzant, John, architect, 307 Grand av, Milwaukee, Wis.
npenson Axle Co., E. 152d, Cleveland, Ohio.
npert, A. C., Equipment Co., steam shovels, 208 S. La Salle, Chicago, Ill.
npert, Vance W., architect, 200 5th av, New York.
npitt, A. N., architect, Landers Bldg., Springfield, Mo.
npitt & Castleman Co., molasses, Louisville, Ky.
nchiani, H., mfr. of brewers' pitching & keg scrubbing machy., 140 N. Dearborn, Chicago, Ill.
nchweld Equipt. Co., welding apparatus, 224 N. Carpenter, Chicago, Ill.
ncelson & Hesterman, contractors, Merrill, Wis.
ncney, Francis E., architect, 813 Newington av, Baltimore, Md.
nnto Fire Clay Co., Toronto, Ohio.
nnto Foundry & Machine Co., Toronto, Ohio.
nance, John, & Son, machsts. & fndrs., La Crosse, Wis.
nance Mfg. Co., machsts., Harrison, N. J.
nans Mfg. Co., mill & facty. supplies—whol. hdwe., Jefferson, Tex.
nence, Archibald, contractor, Norwich, Conn.
ney Bros. Co., wagon jacks, stable forks, etc., Central Village, Conn.
ney Cedar Co., ties, poles, etc., Clintonville, Wis.
ney, J. A., soap, Rockland, Mass.
ney, J. R., Razor Co., Worcester, Mass.
ney Roller Bushing Works, marine hdwe., engines, etc., Bath, Me
nd Heater Co., heating boilers, Hackettstown, N. J.
nington Building Co., Inc., general building contractors & dlrs. in masons' supplies, Torrington, Conn.
nngton Co., The Excelsior Plant, successor to Excelsior Needle Co., needles, "Dayton" swaging machines, hardware specialties, & ballbearing mfrs., Torrington, Conn.
*See adv index at end of book.*
nngton Co., The Standard Plant, bicycle parts, marine engines, etc., Torrington, Conn.
nh Packing Co., canned goods, Fort av, Clement & Lawrence, Baltimore, Md.
non Balance Co., scales, 92 Reade, New York.
non Nut Lock & Washer Co., Inc., nut lock & washer mfrs., 11 Central, Boston, Mass.

Toscani, J. L., Co., marble, floor & glass mosaics, etc., 930 E. 178th, New York.
Tothill, W. S., playground equipment, 1815 Webster av, Chicago, Ill.
Totten, F. E., & Sons, electro plating, 97 Cliff, New York.
Totten, G. Oakley, Jr., architect, 808 17th, N. W., Washington, D. C.
Tottenville Copper Co., brass ingots, smelters & refiners, Bedell, Tottenville, N. Y.
Tottle, Wm. A., & Co., brush mfrs., 124 Hanover, Baltimore, Md.
Totty Trunk & Bag Co., trunk mfrs., Petersburg, Va.
Tough, Edward, architect, Madison, Wis.
Touhill Iron Works, machsts. & fndrs., Scranton, Pa.
Toulouse & Delorieux, machinists, 409 6th, San Francisco, Cal.
Toupet, Beil & Conley, contractors, 5931 Penn av, Pittsburgh, Pa.
Toupin, Joseph, contractor, Manchester, N. H.
Tourison, Ashton S., Sr., contractor, 7014 Boyer, Germantown, Philadelphia, Pa.
Tourlson, Bart., architect, Land Title Bldg., Philadelphia, Pa.
Touroff & Karp, contractors, 83 Sunswick, Long Island City, N. Y
Tourtellotte & Hummel, architects, Rothschild Bldg., Portland, Ore., & Boise, Idaho.
Tousey Varnish Co., 520 W. 25th, Chicago, Ill.
Tousley, Chas. E., architect, 4500 Euclid av, Cleveland, Ohio.
Towbin, Louis, mattresses, 296 Putnam av, Brooklyn, N. Y.
Tower, A. J., Co., oiled clothing, 18 Simmons, Boston, Mass.
Tower-Binford Elec. & Mfg. Co., wire connectors, Richmond, Va.
Tower Bros., machsts. & fndrs., Hudson, Mass.
Tower Chemical Co., 13 Park Row, New York.
Tower, D. H., architect, Dalton, Mass.
Tower Grove Foundry Co., 4444 Hunt av, St. Louis, Mo.
Tower Grove Quarry & Const. Co., contrs., 5927 Fyler av, St. Louis, Mo.
Tower Hdwe. Co., masons' & bldrs.' materials, Jacksonville, Fla.
Tower, J. D., & Sons Co., agr'l implts., Mendota, Ill.
Tower, Jas. H., Iron Works, 50 Borden, Providence, R. I.
Tower Mfg. Co., galvanizing works, Madison, Ind.
Tower Mfg. Co., smelt., nails & rivets, Elm & Commerce, Cincinnati, Ohio.
Tower Mfg. & Nov. Co., pads, inks, 326 Broadway, New York.
Tower Motor Truck Co., Greenville, Mich.
Tower, R. J., Iron Works, machsts. & fndrs., Greenville, Mich.
Tower Sylvester Co., ivory goods, Cambridge, Mass.
Tower Varnish & Dryer Co., Dayton, Ohio.
Towers, Jos., brick, New Britain, Conn.
Towers, L. B., & Bros., canned goods, Denton, Md.
Towers & Sullivan Mfg. Co., agr'l implts., Rome, Ga.
Towes-Gibson Packing Co., canned goods, Crisfield, Md.
Towle, F. S., Co., boxes, signs, toys, etc., 332 Broadway, New York.
Towle Mfg. Co., table silverware, Newburyport, Mass.
Town, Wm. L., architect, Poultney, Vt.
Townell, Hewson, Sr., & Son, brick, Plainfield, Ill.
Towner & Co., mill & facty. supplies, Memphis, Tenn.
Towner Hardware Co., Muskegon, Mich.
Towner, Jay F., & Sons, canned goods, Perryman, Md.
Towner, K. MacM., architect, Asbury Park, N. J.
Towner, Wm. T., architect, 366 5th av, New York.
Towney Metal & Hardware Co., 2d & S. W. cor. Walnut, Kansas City, Mo.
Townley, C. E., masons' & bldrs.' matls., 149 Vernon av, Newark, N. J.
Townley Metal & Hardware Co., 2d, S. W. cor. Walnut, Kansas City, Mo.
Townsend, A. W., cornices & skylights, 20 S. 2d av, Minneapolis, Minn.
Townsend, C. F., architect, 129 Church, New Haven, Conn.
Townsend, Chas., & Bro., glue, gelatine, 276 Pearl, New York.
Townsend Co., nails, rivets, wire, etc., New Brighton, Pa.
Townsend, David, engineer, 1716 Spring Garden, Phila., Pa.
Townsend, F. C., architect, 280 Madison av, New York.
Townsend, F. M., contractors, Zanesville, Ohio.
Townsend & Fleming, landscape architects, Prudential Bldg., Buffalo, N. Y.
**TOWNSEND FOUNDRY & MACHINE SHOP CO.**, chemical castings, etc., Broadway & Rensselaer, Albany, N. Y.
*See adv index at end of book.*
Townsend, Frank M., contractor, Zanesville, Ohio.
Townsend, Fred J., machst. Painted Post, N. Y.
Townsend, G. G., rivets, Winchendon, Mass.
Townsend, G. E., architect, Dallas, S. D.
Townsend, H. C., Cotton Mills, cotton twine, Anderson, S. C.
Townsend, H. P., Mfg. Co., drilling, riveting & upper feed screw machines, Hartford, Conn.
Townsend Iron Works, marine boilers, ft. Columbia, Bklyn, N. Y.
Townsend, J. E. (Est. of), blankets (woolen), Milton Mills, N. H.
Townsend, J. G., & Co., Jr., canned goods, Selbyville, Del.
Townsend, J. W., turpentine, Lake Butler, Fla.
Townsend, Jas., & Son, canned goods, Masten, Del.
Townsend Mfg. Co., farm tractors, Jamesville, Wis.
Townsend, Otis M., contractor, Ocean City, N. J.
Townsend, S. P., & Co., machsts., Orange, N. J.
Townsend, Steinle & Haskell, architects, 1328 B'way, New York.
Townsend, Thos., textile machy., 157 Orange, Providence, R. I.

Townsend, Townsend & Co., marble, steel chilled shot, 453 W. 21st, New York.
Townsend, W. C., & Co., granite producers, Zanesville, Ohio.
Townsend's, Jno., Sons, mill & facty. supplies, Rome, N. Y.
Towsley, John T., Mfg. Co., woodworking machinery, Cincinnati, Ohio.
Townsley-Sewell Mfg. Co., lightning rods, 1315 S. E. 4th, Minneapolis, Minn.
Toy Tinkers, Evanston, Ill.
Toy, W. M., & Co., road scrapers, etc., Sidney, O.
Tozer, David, Co., lumber, Stillwater, Minn.
Tozer Engine Works, Columbia, S. C.
Tozzi Mfg. Co., stamping dies, 352 Pearl, New York.
Traber, A. P., bolting cloth imp., 71 Murray, New York.
Trabold Truck Mfg. Co., Johnstown, Pa.
Trachsel, John C. F., steam htg. contr., 230 Arch, Philadelphia, Pa.
Trachte Bros. Co., tanks, cornices, heaters, Madison, Wis.
Track Equipment Co., car replacers, Huntington, W. Va.
Track Necessities Co., rail sawing machines, 343 S. Dearborn Chicago, Ill.
Track Specialties Co., 29 B'way, New York.
Trackless Trolley Co. of Am., 50 Church, New York.
Traction Lubrg. Co., Chicago Heights, Ill.
Traction Materials Co., trolley line mtls., 501 5th av, New York
Tractor J. T. Co., farm tractors, Fairfield av & W. 14th, Cleveland, Ohio.
Tracy, Bertrand P., repair parts for mining machy., 901 Penn av. Pittsburgh, Pa.
Tracy Bros., mill & facty. supps., 185 Washington, New York
Tracy Bros. Co., contractors, masons' & bldrs.' matls., Waterbury, Conn.
Tracy, C. Oscar, machsts. & fndrs., Norwich, Conn.
Tracy, Edward P., contr., Derby, Conn.
Tracy Engineering Co., Sheldon Bldg., San Francisco, Cal.
Tracy, Evarts, architect, 18 W. 34th, New York.
Tracy, Frank, mill & facty. supplies, 202 Centre, New York.
Tracy, Jos., dynamometers, 1786 B'way, New York.
Tracy, Lewis E., Co., mill & facty. supplies, 127 Broad, Boston Mass.
Tracy, M. M., ties, poles, Stacyville, Me.
Tracy & Metcalf, contractors, Augusta, Me.
Tracy, Robinson & Williams Co., mill & facty. supplies, whol. hdwe., 78 Asylum, Hartford, Conn.
Tracy & Swartwout, architects, 244 5th av, New York.
Trade Mark Record, trade publication, 31 Nassau, New York.
Trader, E. N., cornices, McKeesport, Pa.
Traders Box & Lbr. Co., Rochester, N. Y.
Traffic Motor Truck Corp., 5200 S. 2d, St. Louis, Mo.
Trafford, Thos. C., contractor, 1630 Sansom, Philadelphia, Pa.
Trafton, F. M., Co., metal polish, 176 Federal, Boston, Mass.
Trafton, G. A., & Son, flour, Watsonville, Cal.
Trafzer, J. W., architect, Mason City, Ia.
Trager, Frank A., cornices & skylights, Sterling, Ill.
Trageser, John, Steam Copper Wks., 447 W. 26th, New York.
Tragle Mfg. Co., hardware (whol.), Reading, Pa.
Trahern Pump Co., Rockford, Ill.
Trailmobile Co., auto truck trailers, 5th & Culvert, Cincinnati, Ohio.
Train & Williams, architects, Exchange Bldg., Los Angeles, Cal
Trainer Bros. Lumber Co., Loomis S. of 22d, Chicago, Ill.
Trainer, C. W., Mfg. Co., packing, roofing, etc., 55 High, Boston, Mass.
Trainer, Walter L., Co., varnish mfrs., 3328 Germantown, Philadelphia, Pa.
Trainor's, O. J., Son, sashes, doors & blinds, New Iberia, La.
Traister, Chas. A., willow ware mfrs., Liverpool, N. Y.
Traister, Wm., Basket Co., Liverpool, N. Y.
Traitel Marble Co., Webster av & E. R., Long Island City, N. Y
Trammel Co., carriage wheels, Gallatin, Tenn.
Tramp Bros., brick, Creston, Ia.
Tranchina, D. J., contractor, New Orleans, La.
Trane Co., vapor system heating, La Crosse, Wis.
Transatlantic Chemical Corp., toludine, 192 B'way, New York
Transfer Lumber & Shingle Co., North Tonawanda, N. Y.
Transfer Stained Shingle Co., North Tonawanda, N. Y.
Transit Constr. Co., Mt. Vernon, N. Y.
Translucent Window Sign Co., transfer ornaments, 118 E. 28th New York.
Transmission Ball Bearing Co., 1050 Military rd, Buffalo, N. Y
Transmission Machinery Co., 1146 Tchoupitoulas, New Orleans, La.
Transo Co., advtg. spec., Rockford, Ohio.
Transo Envelope Co., 3550 Kimball av, Chicago, Ill.
Transogram Co., Inc., toys, 487 Sterling pl, Brooklyn, N. Y.
Transport Tractor Co., traction engines, 801 Vernon av, L. I. City, N. Y.
Transue & Williams Steel Forging Corp., covers, Alliance, Ohio
Trant, John C., plate glass, Hartford, Conn.
Trant, John H., Jr., lbr. mfrs., Brunswick, Ga., & Norfolk, Va.
Trant, Thos., & Bros., mill & facty. sup., Hartford, Conn.
Tranter Mfg. Co., ejectors, etc., 105 Water, Pittsburgh, Pa.
Trantuim, C. A., lbr., Garland, N. C.
Traphagen & Hull Mfg. Co., sash, door & blind mfrs., Kingston, N. Y.
Traphagen, O. G., architect, 244 California, San Francisco, Cal.
Trapp, Daniel, contractor, Newport, Ky.
Trapp & Kuehnle, machsts., 245 Pearl, New York.
Trapp, Nicholas H., & Son, contractors, 17 Thames, New York.
Trappe Canning Co., Aberdeen, Md.
Trask Heating Co., pressure regulators, 4 Merrimac, Boston Mass.
Trask, J. A., & Son, contractors, Peabody, Mass.
Traub, W. F., Range Co., machsts., 231 W. Superior, Chicago, Ill
Traud, Alex., Co., machsts. & fndrs., 5 Main, Newark, N. J.
Traud, Alex., & Sons, embossing machines, presses, 124 Polk, Newark, N. J.
Trauger, B. M., & Son, contrs., Scranton, Pa.
Trauger, Geo. H., contractor, Scranton, Pa.
Traun Rubber Co., 239 4th av, New York.
Trausch Bros., brick, Roseland, Neb.
Traut & Hine Mfg. Co., metal specialties, New Britain, Conn.
Traut, Thos. & Bro., plumbers' supps., jobbers, Hartford, Conn
Trauten & Dowell, htg. contrs., Aurora, Ill.
Trauten, John J., htg. contrs., Aurora, Ill.
Traux, Greene & Co., surgical instruments, 171 N. Wabash av. Chicago, Ill.
Travelers Ins. Co., Hartford, Conn.
Travelight Mfg. Co., bags & suit cases, 237 Lawrence, Phila., Pa.
Traver, W. M., Co., canned goods, Hartford, Mich.
Travers, G. W., & Co., toys, games & nov., 146 Chambers, New York.
Travers, J. R., canned goods, Nanticoke, Md.
Travers Mfg. Co., children's carriages, E. Templeton, Mass.
Travers Twine & Cordage Co., 81 Warren, New York.
Traverse City Brick Co., Traverse City, Mich.
Traverse City Casket Co., Traverse City, Mich.
Traverse City Iron Wks., Traverse City, Mich.
Traverse City Motor Co., Traverse City, Mich.
Traverse City Refrigerator Co., Traverse City, Mich.
Traves, Chas. E., machinist, Fresno, Cal.
Travilla, M., machst., Quincy, Ill.
Travis, D. W., Sons, fndrs., Athens, N. Y.
Travis, G. E., shaking & dumping grates, Henry, Ill.
Travis Glass Co., bottle, Clarksburg, W. Va.
Travis & Oczko, mchsts. & fndrs., Johnstown, N. Y.
Travis Stone Co., Hale Eddy, N. Y.
Travora Mfg. Co., cotton flannels, Graham, N. C.
Trax, Geo. H., contractor, Easton, Md.
**TRAYLOR ENGINEERING & MANUFACTURING CO.**, copper converters, Allentown, Pa. *See adv. index at end of book.*
Traylor Shipbldg. Corp., Cornwells Heights, Pa.
Treadwell Construction Co., Midland, Pa.
Treadwell Engineering Co., hydraulic press manfrs., Easton, Pa. *See adv. index at end of book.*
Treadwell, M. H., Co., cars, machy., steel stacks, etc., 140 Cedar, New York.
Treadwell, M. H., Co. of Ill., rolling mill machy., blast furnace & steel works, 208 S. La Salle, Chicago, Ill.
Treas Lumber Co., Benton, Ky.
Treasure Stove Co., Gallipolis, Ohio.
Treat Hardware & Supply Co., Lawrence, Mass.
Treaty Co., cesspools, coal hole covers, cistern tops, sink brackets, feed cookers, plbrs. supps., etc., Greenville, Ohio.
Trebing Mfg. Co., sash, door & blind, 1000 Center, N. W., Cleveland, Ohio.
Trede, John H., contractor, Bellingham, Wash.
Tredegar Co., rolling mills, ft. of 5th, Richmond, Va.
Tredennick, M. C., contractor, 331 Madison av, New York.
Tredway, A., & Sons Hardware Co., Dubuque, Ia.
Tredwell & Kraft, architects, Indiana Harbor, Ind.
Treece, W. C., & Co., hoists, (beef), Findlay, Ohio.
Treen Box Co., packing, Tioga & Memphis, Philadelphia, Pa.
Treen, John, Jr., contractor, Woodbridge, N. J.
Trefethen, D. A., castings, Taunton, Mass.
Trefethen, E. W., contractor, Portsmouth, N. H.
Trefethen, F. L., mill & factory supplies, Lynn, Mass.
Tregarthen, Jas., & Sons, Co., dry docks, ft. 7th, E. R., New York.
Trego Motors Corporation, aeronautical motor mfrs., Fox & Ferry, New Haven, Conn.
Tregoning Elec. Mfg. Co., plugs, receptacles, etc., Cleveland, O.
Treichel & Hyink, machsts, 727 N. Water, Milwaukee, Wis.
Treinis Bros., sporting goods, mfrs., 126 13th, Bklyn., N. Y.
Tremain, E. E., carriages, Stockton, Cal.
Treman, King & Co., auto accessories, wholesale hardware, etc., Ithaca, N. Y.
Tremblay, Samuel J., architect, 21 High, East Hampton, Mass.
Tremont Lumber Co., Jonesboro & Winnfield, La.
Tremont Nail Co., West Wareham, Mass.
Tremont & Suffolk Mills, shade cloth, blankets, etc., Lowell, Mass.
Trenam Tractor Co., Stevens Point, Wis.
Trench, C. S., & Co., bar tin, spelter, 81 Fulton, New York.
Trench, D. G. & Co., tin cans & tin plate, 222 N. Wabash av. Chicago, Ill.
Trenjer Specialty Co., drinking fountains, Trenton, N. J.
Trenk Wire Works, bank & office railings, Dubuque, Ia.
Trenkamp Stove & Mfg. Co., 9806 Quincy av, Cleveland, Ohio.
Trenkman, B., & Co., machsts., 106 N. 4th, Portland, Ore.
Trenle China Co., East Liverpool, Ohio.
Trent Bros., lbr. mfrs. & masons' & bldr.' matls., Danville, Ill
Trent Engng. & Mach. Co., Salt Lake City, Utah.
Trent Rubber Co., tires, Trenton, N. J.

nt Tile Co., Trenton, N. J.
nton Bone Fertilizer Co., Trenton, N. J.
nton Brass & Mach. Co., Trenton, N. J.
nton Elec. & Conduit Co., ground connection clamps, Trenton, N. J.
nton Engineering Co., machinists, Trenton, N. J.
nton Fertilizer Co., Trenton, S. C.
nton Fire Clay & Porcelain Co., potteries, Trenton, N. J.
nton Flint & Spar Co., Trenton, N. J.
nton Gas & Elec. Fixture Mfg. Co., Trenton, N. J.
nton Lumber Co., Jackson, Miss.
nton Malleable Iron Co., mchsts. & fndrs., Trenton, N. J.
nton Milling Co., flour, Trenton, Ill.
nton Pattern Works, Trenton, N. J.
nton Porcelain Co., electrical & mechanical porcelain specialties, Trenton, N. J.
nton Potteries Co., plumbers' sanitary earthenware mfrs Trenton, N. J.
nton Sand & Gravel Co., Trenton, Ohio.
nton Scrap Rubber Supply Co., Trenton, N. J.
nton Smelting & Refining Co., Trenton, N. J.
nton Spring Mattress Co., Trenton, N. J.
scott, W. A., fruit evoporators, Fairport, N. Y.
ssel, Jas. G., contr. & stone, Ada, Ohio.
sselt, C., & Sons, flour mills, Fort Wayne, Ind.
ssing, E., & Co., hardware mfrs., 15 E. Lake, Chicago, Ill.
thaway Bros., tinware mfrs., Parsons, Pa.
heway, W. O., machst. & fndr, New Harmony, Ind.
uchet, F. E., cornices, 33 Sanford, Springfield, Mass.
vey Bros., canned goods, Nace, Va.
viranus & Gardner, brick, Little Ferry, N. J.
vor Mfg. Co., mill & factory supplies, Lockport, N. Y.
whitt & Shields Co., contrs., Fresno, Cal.
vorgy, Chas, J., lumber, Ellsworth Falls, Me.
xler Cooperage Co., Allentown, Pa.
xler Lumber Co., Allentown, Pa.
xler-Turrell Lumber Co., Noxen, Pa.
yz, G. H., & Co., wood alcohol, Binghambton, N. Y.
yz, G. I., wood alcohol, Cooks Falls, N. Y.
d Co., commuator compounds, Allenhurst, N. J.
ngle Co., Inc., paints, Harrisburg, Pa.
ngle Conduit Co., 52 Columbia Heights, Brooklyn, N. Y.
ngle Electro Trading Co., toys, 79 Chambers, New York.
ngle Lbr. Co., Percy, Miss.
angle Mfg. Co., nut crackers & picks, Freeport, Ill.
ngle Motor Truck Co., St. Johns, Mich.
ngle Pennant Co., 160 N. 5th av, Chicago, Ill.
e, Geo. T., architect, 306 Main, Worcester, Mass.
ble, A. L., Co., clothes lines. 59 Temple pl, Boston, Mass
le, E. S., architect, Henderson, Ky.
Bullion Smelting & Development Co., 10 Wall, New York.
e & Raymond Hdwe. Co., mill & facty. supps., Tupelo, Miss
e, W. T., & Bros., flour mills, Casscoe, Ark.
City Button Co., Davenport, Ia.
City Construction Co., Davenport, Ia.
o Chemical Co., Inc., laundry chemicals, Buffalo, N. Y.
Color Sign Co., advertising signs, 4824 W. Lake, Chicago, Ill.
Continental Corp., plating wks., sheet metal stamping & window cleaners, 2665 Main, Buffalo, N. Y.
bel & Sons, stone products, Peoria, Ill.
chmann, Luther H., razor strops, 720 Main, Hartford, Conn.
s, Charles W., architect, Vandergrift Bldg., Pittsburgh, Pa
Indicator Co., Corry, Pa.
ng, H., & Co., flaxseed, 1228 Arlington pl, Chicago, Ill.
bach, Geo., wholesale hardware, Dayton, Ohio.
ble Brick Co., Trimble, Ga.
ble Coal Co., masons' & bldrs.' matls., Paterson, N. J.
ble, F. H., architect, Hand Bld., Orlando, Fla.
ble, F. H., Co., display racks & stands, 216 W. 3rd, Los Angeles, Cal.
ble, H. N., scrap iron & steel, Oliver bldg, Pittsburgh, Pa.
ble, John H., & Bro., contractors, 2022 Chateau, Pittsburgh, Pa.
ble & Lutz Supply Co., mill, mine, factory, plumbers' supplies, jobbers, Wheeling, W. Va.
ble Paving Brick Co., Trimble, Ohio.
ble, R. Maurice, architect, Ferguson blk, Pittsburgh, Pa.
ble, W. F., & Sons Co., contractors, 1719 Penn av, Pittsburgh, Pa.
ett & Combellick, contrs., 608 S. B'way, Los Angeles, Cal.
nt Mfg. Co., wrenches, 55 Amory, Roxbury, Boston, Mass
Mass.
ount Rotary Power Co., rotary pump mfrs. & machts., 18 Heath, Boston, Mass.
r Scale & Mfg. Co., 2714 W. 21st, Chicago, Ill.
, A., & Co., machsts., 557 W. Adams, Chicago, Ill.
dad Asphalt Mfg. Co., Title Guarantee Trust Bldg., St Louis, Mo.
dad Fndry. & Mach. Co., Trinidad, Colo.
dad Hdwe. Co., whol., Trinidad, Colo.
ty Bell Elec. Mfg. Co., horns, 216 W. Kinzie, Chicago, Ill
ty Cotton Oil Co., Dallas, Tex.
ty County Lumber Co., Groveton, Tex.
ty Portland Cement Co., Dallas, Tex.
ty River Lumber Co., Houston, Tex.
keller, E., machinist, Los Angeles, Cal.

Trinley, J., & Sons, fertilizer mfrs., Linfield, Pa.
Trio Mfg. Co., cotton twine, Forsyth, Ga.
Trio Mfg. Co., elec. protectors, Rock Island, Ill.
Trio Mfg. Co., med. cabinets & desk mfrs, Cleveland, Ohio.
Trion Co., cotton sheeting, Trion, Ga.
Trion Toy Co., 144 B'way, Brooklyn, N. Y.
Triple "A" Machine Co., floor scraping & surfacing machines, 4121 Ravenswood av, Chicago, Ill.
Triple S. Mach. Co., loose leaf devices, 1013 Wellington, Chicago, Ill.
Triplex Safety Glass Corp. of America, aircraft glass, 19 W. 44th, New York.
Tripod Paint Co., Atlanta, Ga.
Tripoli Canning Co., Tripoli, Ia.
Tripp, A. F., landscape architect, 44 College, Providence, R. I.
Tripp Bros., masons' & bldrs.' matls., Greenview, Ill.
Tripp & Co., elec. signs, 33 N. Wells, Chicago, Ill.
Tripp, Frank S., machsts. & fndrs., New Bedford, Mass.
Tripp, Fred. H., Hdwe. Co., North Vernon, Ind.
Tripp, Jno., & Co., roll covers, Lowell, Mass.
Tripp, W. E., & Co., ties, poles & posts, Job, Ky.
Tripper, Allen G., contractors, Peru, Ind.
Tri-State Builders' Supply Co., Memphis, Tenn.
Tri-State Casket Co., Kendallville, Ind.
Tri-State College, engng. schools & coll., Angola, Ind.
Tri State Milling Co., Belle Fouche, S. Dak.
Tristram, Jas. J., riddles, Rockville Centre, N. Y.
Tritch, Geo., Hardware Co., Denver, Colo.
Tritt China Co., Niles, Ohio.
Triumph Adding Mach. Co., 78 Smith, Brooklyn, N. Y.
Triumph Couch Bed Co., mattresses, 8 Bartlett sq., Boston, Mass.
Triumph Electric Co., adjustable speed motors, Oakley, Cincinnati, Ohio.
Triumph Ice Machine Co., Oakley, Cincinnati, Ohio.
Triumph Lamp Wks., 149 Palisade av, Union Hill, N. J.
Triumph Laundry Machy. Co., Hamilton, Ohio.
Triumph Mfg. Co., bakers' machinery, Cincinnati, Ohio.
Triumph Mfg. Co., machsts., 500 Delaware, Kansas City, Mo.
Triumph Motor Car Co., 3308 Sheffield av, Chicago, Ill.
Triumph Trap Co., Inc., animal traps, Oneida, N. Y.
Triumph Valve Mfg. Co., Mansfield, Ohio.
Triumphator Calculating Mach. Co., 81 New, New York
Troback, B. A., contr., 180 Jessie, San Fransisco, Cal.
Troemmer Hy., meat choppers & slicers & scales, 911 Arch, Philadelphia, Pa.
Troike Muffler & Mfg. Co., Loraine, O.
Trojan Button Fastener Co., Troy, N. Y.
Trojan Coal Co., masons' & builders' matls., Troy, O.
Trojan Electric Steel Co., 34th & Hoyne av, Chicago, Ill.
Trojan Glass Cutter Works, 330 W. Kinzie, Chicago, Ill.
Trojan Powder Co., nitro starch mfrs., 27 William, New York.
Trojan Unit Tractor Co., Waterloo, Ia.
Trolinger & Montgomery, brick, Haw River, N. C.
Trolley Supply Co., Canton, Ohio.
Trombley Jos. & Son, contractors, North Andover, Mass.
Trompeter, Jos., contractors, Peru, Ill.
Troop Mfg. Co., water heaters, 218 21st av, Pittsburgh, Pa.
Tropenas Co., steel casing converts, 2243 Nostrand av, Brooklyn, N. Y.
Tropical Paint & Oil Co., W 70th, Cleveland, O.
Trosco Mfg. Co., brad-sets, Citizens' Bldg., Cleveland, Ohio
Trost, Robert, contractor, 26th & Howard, San Francisco, Cal.
Trost & Trost, architects, Mills Bldg., El Paso, Tex.
Trostel, A., & Sons Co., mill & facty. supplies, 612 Commerce, Milwaukee, Wis.
Trostel, Geo. H., lime, York Springs, Pa.
Trotman Mfg. Co., fertilizer mfrs., Churchland, Va.
Trott, J. A. & Sons, brick, Eldon, Iowa.
Trotter, E. T., & Co., paints, insulating compounds, etc., 602 Johnson av, Brooklyn, N. Y.
Trotter Lumber Co., Toledo, Ohio.
Trotter, Nathan & Co., antimony, bismuth, pig lead, etc., 36 N. Front, Philadelphia, Pa.
Trounson, J., contractor, 121 5th, San Francisco, Cal.
Trout Creek Lbr. Co., Trout, La.
Trout Creek Mfg. Co., lbr., Trout Creek, Mich.
Trout, H. G., Co., propeller wheels, Buffalo, N. Y.
Troutman, C. E., architect, Aberdeen, Wash.
Trouton Mattress Co., Atlanta, Ga.
Troutt, Jno., & Co., stone producers, Chattanooga, Tenn.
Trow, Chas. L., bldg. contr., Oakland, Cal.
Trow & Holden Co., tools—paving, granite & stone cutters, Barre, Vt.
Trowbridge & Ackerman, architect, 62 W. 45th, New York & Ohio Bldg., Akron, Ohio.
Trowbridge, Alexander B., architect, 25 W. 44th, New York.
Trowbridge & Livingston, architects, 527 5th av, New York.
Trowbridge, S. D., architect, Forsyth Bldg., Atlanta, Ga.
Troxel Mfg. Co., bicycle parts & sundries, Elyria, O.
Troy Auto. Spec. Co., horns, gas igniters, &c., Troy, N. Y.
Troy Belting & Supply Co., belting, mill & factory supplies, Troy, N. Y.
Troy Blanket Mills, Troy, N. H.
Troy Brick Co., Northern Tpk., Troy, N. Y.
Troy Bros., hot air furnaces, Indianapolis, Ind.
Troy Bros. & Co., plumbers' marble wk., 975 Mass av, Rox, Boston, Mass.

Troy Carriage Sun Shade Co., mechanics' aprons, Troy, Ohio.
Troy Carriage Wks., Troy, N. Y.
Troy Cast Iron Brazing Co., Troy, N. Y.
Troy Cold Water Kalsomine Co., Troy, N. Y.
Troy Elec'l Co., Troy, N. Y.
Troy Engine & Mach. Co., mchsts. & fndrs., Troy, Pa.
Troy File Works, files, scrapers, etc., Congress, Troy, N. Y.
Troy Fireproofing Co., Troy, N. Y.
Troy Laundry Machy. Co., Troy, N. Y.
Troy Laundry Machinery Co., Ltd., La Salle & 23d, Chicago, Ill.
Troy Malleable Iron Wks. of Eastern Mall. Iron Co., fndrs., Troy, N. Y.
Troy Mfg. Co., auto. metal bodies, Troy, Ohio.
Troy Milling Co., flour, Troy, N. C.
Troy Nickel Works, stove trimmings, Albany, N. Y.
Troy Public Works Co., contrs., Utica City Nat. Bk. Bldg., Utica, N. Y.
Troy Roller Mills, flour, Troy, Tenn.
Troy Rubber Stamp Wks., Troy, N. Y.
Troy, S. B., contractors, 88 Broad, Boston, Mass.
Troy Scrap Iron & Metal Co., Troy, N. Y.
Troy Spring Works, Troy, N. Y.
Troy Stamping Works, metal stamping, Troy, N. Y.
Troy, Thos., contractor, Olean, N. Y.
Troy Tile & Brick Co., Troy, Ohio.
Troy Veneer & Crate Co., Troy, Ala.
Troy Wagon Works Co., 100 E. Race, Troy, Ohio.
Troy Waste Mfg. Co., Troy, N. Y.
Troy White Granite Co., Worcester, Mass.
Troy Wire Goods Co., Troy, N. Y.
Troy Woven Wire Spring Co., mattresses, Troy, N. Y.
Truax Mfg. Co., industrial cars, self-oiling wheels, Denver, Colo.
Truby Coal Co., masons' & bldrs' matls., Painesville, Ohio.
Truck Engng. Co., wagon & truck bodies, B'way & E. 71st, Cleveland, Ohio.
Truckee Lumber Co., National Bank Bldg., San Francisco, Cal.
Trudden, M., stone producers, wkrs. & dlrs., 109 Van Sindren av, Brooklyn, N. Y.
Trudell, Geo. E., Co., plumbers' supplies, Manchester, N. H.
True & Blanchard Co., whol. hdwe., Newport, Vt.
True Blue Gum Co., machy., Lansing, Mich.
True, L. P., & Co., canned goods, Hope, Me.
True Mfg. Co., hay racks, Eaton Rapids, Mich.
True, Samuel, ship knees, Amesbury, Mass.
True-Tagg Paint Co., Memphis, Tenn.
Trueblood, Wilbur T., architect, Carleton Bldg., St. Louis, Mo.
Trueman, S. S., architect, Portsmouth, N. H.
Truesdell Marble & Granite Co., stone producers, Port Huron, Mich.
Truex, Fred'k M., architect, 1170 B'way, New York.
Truitt & Lingo, veneer mfrs., Dagsboro, Del.
Truitt, Wm. P., & Son, lbr., East Enterprise, Ind.
Trullinger, D. L., lumber, Mulino, Ore.
Trulock & Crookham, sash door & blind mfrs., Sioux City, Ia.
Trum, E. J., Inc., paper boxes & cartoons, 57 3rd, Brooklyn, N. Y.
Trumbauer, Horace, architect, Land Title Bldg., Phila., Pa.
Trumble, Edwin, lbr., Kingville, S. C.
Trumbull Elec. Mfg. Co., flexible metallic conduits, etc., Plainville, Conn.
Trumbull, F. S., sheet metal stamping & special tool mfrs., Bridgeport, Conn.
Trumbull Mfg. Co., foundry, Warren, Ohio.
Trumbull Motor Car Co., Bridgeport, Conn.
Trumbull Safe & Vault Co., bank vaults, 77 W. Lake, Chicago, Ill.
Trumbull Steel Co., tin plate products, Warren, Ohio.
Trumbull Stone & Sand Co., Warren, Ohio.
Trumbull-Vanderpoel Elec. Mfg. Co., enclosed fuses, Bantam, Conn.
Trump Bros. Mach. Co., Beech & Anchorage, Wilmington, Del.
Trump, F. & E. D., brass fndrs., Jersey Shore, Pa.
Trump Mfg. Co., water wheels, etc., Springfield, Ohio.
Trump Mfg. Co., piston rings, Crown Point, Ind.
Trumpbour-Whitehead Brass & Copper Co., brass, bronze, copper & German silver sheet, wire, rods & tube, 309-311 Canal, New York, & 43 No. Seventh, Philadelphia, Pa.
*See adv index at end of book.*
Trumpfheller Mfg. Corp., bag holders, 447 Ellicott sq, Buffalo, N. Y.
Trunck, F. G. (Est. of), brick, Freeport, Ill.
Trus-con Laboratories, paints, Caniff & Grant RR, Detroit, Mich.
Truscon Steel Co., building products, Youngstown, Ohio.
Truscott, Pierce Engine Co., machsts. & fndrs., St. Joseph, Mich.
Trusler, Wm., hdwe. supplies, Eskridge, Kan.
Truslow & Fulle, cork mfrs., 42 Wilson, Brooklyn, N. Y.
Trussell Mfg. Co., loose leaf devices, Poughkeepsie, N. Y.
Trust, George, architect, 1523 S. Cushman av, Tacoma, Wash.
Truswell, W., & Sons, elec. contrs. & engrs., 16 Cedar, New York.
Truxell, Geo. H., architect, Greensburg, Pa.
Try It Mfg. Co., lunch boxes, Plainville, Conn.
Try-Me Mfg. Co., ball cocks, brass castings, etc., bushings, regulators, etc., Westfield, Mass.
Tryber Piano Co., 36 S. State, Chicago, Ill.
Tryon, Andrew H., bldg. contr., Hartford, Conn.
Tryon & Brain, contractors, 207 S. B'way, Los Angeles, Cal.
Tschirgi, M., & Sons, contractors, Cedar Rapids, Ia.
Tsuma, Numa I., architect, 366 5th av, New York.

Tubb, J. R., wagon & carriage spokes, Sparta, Tenn.
Tubbs Cordage Co., Kohl Bldg., San Francisco, Cal.
Tubbs, W. F., ski mfr., Norway, Me.
Tubby, Josiah Thomas, Jr., archt., 143 Liberty, New York.
Tubby, Wm. B., architect, 81 Fulton, New York.
Tubesing, Wm. F., & Co., bldg. contrs., 139 Chestnut, Milwaukee, Wis.
Tubman, Wm. S., elevators, 67 Milk, Booston, Mass.
Tubular Htg. & Ventg. Co., hot air furnaces, 232 Quarry, Philadelphia, Pa.
Tubular Rivet & Stud Co., 87 Lincoln, Boston, Mass.
Tubular Woven Fabric Co., flexible mtlc. & interior conduits, Pawtucket, R. I.
Tuck, C. H., contractor, Clyde, N. Y.
Tuck Mfg. Co., hdwe. & cutlery mfrs., Brockton, Mass.
Tuck, Raphael, & Sons Co., advtg. post cards, 547 5th av, New York.
Tucker & Brooks, architects, Marlboro, Mass.
Tucker, C. F., & Co., machsts., 93 Green, Newark, N. J.
Tucker & Dorsey Mfg. Co., hdwe. mfrs., racks, trucks, etc., Indianapolis, Ind.
Tucker Duck & Rubber Co., Fort Smith, Ark.
Tucker, E. W., & Co., contractors, 347 Fremont, San Fran., Cal.
Tucker, Edw. A., Co., steel struc'l wk., 101 Milk, Boston, Mass.
Tucker Elec. Constr. Co., elec. contrs. & engrs., 114 W. 30th, New York.
Tucker, F. H. Faye, archt., 8 W. 40th, New York.
Tucker, Geo. C. Co., contrs.' equipt., 53 W. Jackson blvd, Chicago, Ill.
Tucker, J. B., contractor, 19 Beechmont, Worcester, Mass.
Tucker & Laxton, reinf. concrete steel const., Charlotte, N. C.
Tucker Mach. Co., 222 E. 9th, Cincinnati, Ohio.
Tucker Mfg. Co., cements, paints, putty, 17 E. 137th, New York.
Tucker, Seth L., contractor, Hornell, N. Y.
Tucker & Son Boiler Works, Newark, Ohio.
Tucker Tool & Machine Co., hdwe., wholesale, 75 Murray, New York.
Tucker & Vinton, concrete steel const., 216 E. 41st, New York.
Tucker, W. B. & C. F., metal cutting shears, rod cutters, oil hole covers & oil cup mfrs., 516 Asylum, Hartford, Conn.
Tucker, William, landscape architect, 35 Nassau, New York.
Tuckers Plating Wks., Rochester, N. Y.
Tuckhorn Francis, glass stainer, 366 Atlantic av, B'klyn, N. Y.
Tucson Lumber Co., Tucson, Ariz.
Tucson Pressed Brick Co., Tucson, Ariz.
Tudor Boiler Mfg. Co., 715 E. 3rd, Cincinnati, Ohio.
Tudor & Jones, bale ties, Weedsport, N. Y.
Tuerck, I. K., bank railings, Portland, Ore.
Tuerck & Mackenzie Mach. Co., 160 E. 3rd, Portland, Ore.
Tuerck Water Motor Co., water motors & wheels, & electric blowers, 172 W. Washington, Chicago, Ill.
Tuerke, Baggage Bldr., trunk mfr., 212 W. Lexington, Balto., Md.
Tufford, Allan, architect, Helena, Mont.
Tufting Mach. Supply Co., 268 E. Jefferson, Detroit, Mich.
Tufts, Arthur, contr., Atlanta, Ga.
Tufts College, engng. schools & coll., Tufts College, Mass.
Tufts Nat'l Meter Co., 455 Commercial, Boston, Mass.
Tufts, Walter B., mill & facty. supps., 94 John, New York.
Tuhey Canning Co., Muncie, Ind.
Tulance Lbr. Co., Orange, Texas.
Tulane Univ. of La., College of Technology, St. Charles av, New Orleans, La.
Tulare County Growers' Assn., canned goods, Porterville, Cal.
Tulite Auto. Bulb Co., 1104 Dime Bk. Bldg., Detroit, Mich.
Tull, J. M., Rubber & Supply Co., mill & facty. supps., Atlanta, Ga.
Tullgren, Martin & Sons, architects, 428 E. Water, Milwaukee, Wis.
Tullgren, Martin, & Sons, contractors, 425 E. Water, Milwaukee, Wis.
Tullis & Blanchard, contractors, 326 E. 42d, New York.
Tullis-Gamble Hardware Co., Montgomery, Ala.
Tullt & McInnis Co., contractors, Grand Central Terminal, New York.
Tully, C. H., Fence Co., Grand Island, Neb.
Tully, Jas. J., soap, 179 Master, Phila., Pa.
Tully, John J., contractor, 326 E. 42d, New York.
Tully, John J., upholsterers' hammers, Louisville, Ky.
Tully Paint & Varnish Co., Tullytown, Pa.
Tuloch, Jno., architect, Sherman, Tex.
Tuloss, I. E., machts. & fndrs., Iowa City, Ia.
Tulsa Automobile Corp., Tulsa, Okla.
Tulsa Boiler & Machy. Co., Tulsa, Okla.
Tulsa Brick Co., Tulsa, Okla.
Tulsa Fuel & Mfg. Co., zinc, Collinsville, Okla.
Tulsa Mach. & Tool Co., Tulsa, Okla.
Tulsa Stove Co., machsts. & fndrs., Tulsa, Okla.
Tulsa Stove & Foundry Co., mfrs., Sand Springs, Okla.
Tulsa Vitrified Brick & Tile Co., Tulsa, Okla.
Tumpach, Jos., Cornice Co., 2431 S. Kedzie av, Chicago, Ill.
Tumulty, P., Jr., contractor, 59 Brunswick, Jersey City, N. J.
Tuna Glass Co., benders, Clarksburg, W. Va.
Tuna Iron & Steel Works, machsts. & fndrs., Bradford, Pa.
Tuna Valley Pressed Brick Co., Bradford, Pa.
Tunglok Silo Co., Interstate Bldg., Kansas City, Mo.
Tungsten Mfg. Co., plugs, spark, Marshalltown, Ia.
Tungstolier Works of General Electric Co., machsts. & fndrs., Cleveland, Ohio.

ıls, Barton M., carriages, Morristown, N. J.
ıis & Genther, architects, 1531 Real Estate Trust bldg. Phila., Pa.
ılson, Willard E., contractor, 262 Greene av, Brooklyn, N. Y.
ımore, A. E., contractor, 496 W. Utica, Buffalo, N. Y.
ınel, F. W., & Co., fertilizer & glue mfrs., 15 N. 5th, Philadelphia, Pa.
ınessen Mfg. Co., miners' safety lamps, Hazleton, Pa.
ıstead Heating Co., 1019 6th av, S., Minneapolis, Minn.
ıby, T. F., & Co., contractors, 89 Main, New York.
ırto Cut Stone Co., Belleville, N. J.
ıelo Cotton Mills, Tupelo, Miss.
ıelo Fertz Factory, Tupelo, Miss.
ıelo Oil & Ice Co., Tupelo, Miss.
ıper, Allen, masons' & bldrs.' matls., 625 S. Peters, New Orleans, La.
ıper, Jno., ladders, Lynn, Mass.
bine Equipment Co., 50 Church, New York.
bine Sewer Machine Renovating Co., 197 11th, Milwaukee, Wis.
chin Co., portables, 536 W. 23rd, New York.
ck, Joseph, architect, 770 Bergenline av, West New York, N. J.
es Mfg. Co., gasoline lighting systems, 386 6th, Milwaukee, Wis.
geon, E., contractor, 86 Weybosset, Providence, R. I.
k, C. Hubert, architect, Livingston, Mont.
k, Jos., Mfg. Co., machsts. & fndrs., Bradley, Ill.
keltaub, M., & Son, buckles, buttons, 38 E. 12th, New York.
key Gap Coal & Coke Co., Dott, W. Va.
key Foot Lbr. Co., Cressmont, Ky.
l Engng. Wks., Inc., forgings, castings, chemical apparatus & special machy., 39 Cortlandt, New York.
l Iron & Car Co., Inc. (The), cars, tanks, etc., 50 Broad, New York.
ley Gear & Machine Co., St. Louis, Mo.
ley, H. G., machst., St. Louis, Mo.
ey, T. J., Co., fertz. mfrs., Owensboro, Ky.
nbull, B. F., architect, Everett, Wash.
nbull, Bayard, architect, 328 N. Charles, Baltimore, Md.
nbull, C. D., architect, Junction City, Ky.
nbull, Gilbert M., & Gray, Frank B., architects, 1210 La Salle, Chicago, Ill.
nbull, J. W., Lumber Co., Stock Exchange Bldg., Phila., Pa.
nbull Mfg. Co., machsts., Wilmington, Ohio.
nbull Motor Truck & Wagon Co., Defiance, Ohio.
ner Asbestos Co., mats, Exeter, N. H.
ner Bedding Factory, Pine Bluff, Ark.
ner Brass Works, hdwe. mfrs., heavy, furnaces, stoves & heaters, Sycamore, Ill.
ner Bros., rubber & ink erasers, 1022 Arch, Phila., Pa.
ner Bros. Co., glass bottles, Terre Haute, Ind.
ner, C. A., babbit metal, brattice cloth, mining mach. bits & spike bars, 3rd & Chauncery, Pittsburgh, Pa.
ner, C. A. P., concrete steel constr., 627 1st av, N., Minneapolis, Minn.
ner, C. H., machy. dlrs., Statesville, N. C.
ner, C. H., & Co., contractors, Pensacola, Fla.
ner, Chas. H., whol. hdwe., Albany, N. Y.
ner Concrete Steel Co., 1713 Sansom, Philadelphia, Pa.
ner Constr. Co., 244 Madison av, New York.
ner Contracting Co., Youngstown, Ohio.
ner, Daniel, lumber, Lynchburg, Ohio.
ner, Day & Woodworth Handle Co., Louisville, Ky.
er & Deegan, bit braces & screw drivers, Bristol, Conn.
er, E. H., flour mills, Henning, Tenn.
er, Edward F., contractor, 13 Jackson, Salem, Mass.
er, F. A., contractor, 7009 N. Clark, Chicago, Ill.
er, F. C., & Co., sashes, doors & blinds, Mobile, Ala.
er Fixture Co., Hannibal, Mo.
er-Fricke Mfg. Co., gas engines, Farmers' Bank Bldg., Pittsburgh, Pa
er, G. H., Co., plumbers' supps., jobbers, 600 S. San Pedro, Los Angeles, Cal.
er, H. H., architect, Board of Education, Grand Rapids, Mich.
er, Halsey Co., filter cloth, 62 Leonard, New York.
er Hardware & Implement Co., Modesto, Cal.
er & Harrison Pen Mfg. Co., 1211 Spring Garden, Philadelphia, Pa.
er Heater Co., hot air furnaces, Bristol, Conn.
er Heating Co., regulators, 143 Eddy, Providence, R. I.
er, Hy, archl. iron, 4737 N. Front, Philadelphia, Pa.
, Lumber Co., 50 E. 42d, New York.
er, J. H., masons' & bldrs.' matls., Wichita, Kans.
er, J. S., Mfg. Co., mill & facty. supplies, Lowell, Mass.
er, J. Spencer, Co., cotton duck, etc., 86 Worth, New York.
er, J. W., Improvement Co., contractors, Des Moines, Ia.
er, Jas., & Sons, sashes, doors & blinds, Grand Forks, N. D.
er, Jerry B., sash, door & blind mfrs., Mount Kisco, N. Y.
er, Jno. F., common brick, Atlantic City, N. J.
er, Jno., Son, machsts., 1108 E. Cary, Richmond, Va.
er, Laurin H., & Co., brattice cloth, 262 W. Adams, Chicago, Ill.
er Lead Co., E. St. Louis, Mo.
er, Mac, architect, Hammond, Ind.
er Machine Co., brass & grey iron castings, hat machinery, etc., Danbury, Conn.

Turner Machine Co., 75 Fulton, New York, & 3632 N. Lawrence, Philadelphia, Pa.
Turner Mfg. Co., mchsts. & fndrs., Port Washington, Wis.
Turner Oil Filter Co., Niles, Mich.
Turner, S. B., & Son, stencils, Norfolk, Va.
Turner & Seymour Mfg. Co., hardware mfrs., machinists & founders, etc., Torrington, Conn.
Turner & Stanton Co., cords, wire goods, etc., Norwich, Conn.
Turner Supply Co., mill & facty. supplies, Mobile, Ala.
Turner Supply Co., plumbers' supplies, jobbers, Chester, Pa.
Turner, T. J., handles, Marked Tree, Ark.
Turner Tanning Machinery Co., hides & leather working machines, Peabody, Mass.
Turner & Vanscoy Co., heating contrs., Wilkes-Barre, Pa.
Turner, W. C., heating contrs., 441 Hubbard av, Detroit, Mich.
Turner, W. R., common brick, Petersburg, Va.
Turner-White Coffin Co., Winston-Salem, N. C.
Turnes, W. J., Co., contractors, 35 S. Dearborn, Chicago, Ill.
Turney, ties, poles & posts, Medora, Ind.
Turney, Albert, architect, 3849 Charlotte, Kansas City, Mo.
Turney, Eugene T., Co., wireless instruments, 2595 3d av, New York.
Turney, Joel, & Co., wagons, sleds, Fairfield, Ia.
Turnock, E. Hill & Son, architect, Elkhart, Ind.
Turnquist Bros., contractors, 217 E. 69th pl, Chicago, Ill.
Turon, L. P., architect, Pittston, Pa.
Turon & Swartz, contrs., Pittston, Pa.
Turpin, J. A., contractor, Norfolk, Va.
Turpsene Mfg. Co., turpentine substitute, 1901 Callowhill, Philadelphia, Pa.
Turtle Lake Lumber Co., Grand Rapids, Mich.
Turton, C. B., Co., rosin mfrs., turpentine, 16 Exch. pl, New York.
Turton, L. M., architect, Napa, Cal.
Turveville, Robert E., architect, 301½ Church, Nashville, Tenn.
Tusant, J. E., & Son Co., contractors, Des Moines, Ia.
Tuscaloosa Cotton Seed Oil Co., Tuscaloosa, Ala.
Tuscaloosa Iron Works, Tuscaloosa, Ala.
Tuscaloosa Mills, cotton sheetings, Tuscaloosa, Ala.
Tuschinsky, Alex., architect, Indiana Pythian Bldg., Indianapolis, Ind.
Tuscora Sand & Coal Co., 719 Prospect-Hippodrome Bldg., Cleveland, Ohio.
Tuten, W. G., lumber, Letford, Ga.
Tuthill Building Material Co., 131 W. 63d, Chicago, Ill.
Tuthill Cut Glass Co., Middletown, N. Y.
Tuthill, J. W., Lumber Co., Sioux Falls, S. D.
Tuthill, S. E., architect, Corning, N. Y.
Tuthill Spring Co., 760 Polk, Chicago, Ill.
Tuthill & Thorn, machsts., Greenport, N. Y.
Tuthill Wm. Burnett, architect, 185 Madison av, New York.
Tutschek, F., surgical instruments, 209 Centre, New York.
Tuttle & Bailey Mfg. Co., grilles, registers & ventilators, 2 W. 45th, New York.
Tutle, Bloodgood, architect, 1 W. 34th, New York.
Tuttle Brick Co., Middletown, Conn.
Tuttle Bros., masons' & bldrs.' matls., Englewood, N. J.
Tuttle Bros., masons' & bldrs.' matls. & sash, door & blind mfrs., Westfield, N. J.
Tuttle, Chas. W., iron rolling mills, ft. of McMaster, Auburn, N. Y.
Tuttle & Clark, harness, trunks, 187 E. Jefferson, Detroit, Mich.
Tuttle & Co., canned goods, McConnellsville, N. Y.
Tuttle, H. Scott, contractor, Swampscott, Mass.
Tuttle Paint & Glass Co., El Paso, Tex.
Tuttle Press Co., bottle caps, paper, etc., Appleton, Wis.
Tuttle, R. & Co., flour, Columbia City, Ind.
Tuttle, Sheridan A., contr., Decatur, Ill.
Tuxbury, A. C., Lumber Co., Charleston, S. C.
Tuzo, Paul B., architect, 122 E. 25th, New York.
Tweed & Woodruff, contractors, Newburgh, N. Y.
Tweedy & Bernhard, masons' & bldrs.' matls., Hopedale, Ohio.
Tweedy Co., soapmakers' supplies, 24 California, San Francisco, Cal.
Tweenden & Mills, contrs., Prov. Bldg., Tacoma, Wash.
20th Century Brass Works, 514 5th av S., Minneapolis, Minn.
20th Centry Brass Wks., cocks, Belleville, Ill.
20th Century Garage, auto, windshields, South Bend, Ind.
20th Century Heating & Ventilating Co., Akron, Ohio.
20th Century Machy. Co., 425 E. Water, Milwaukee, Wis.
20th Century Mineral Flooring Co., composition flooring, 1210 Buttonwood, Philadelphia, Pa.
20th Century Mixer Co., machsts., Connersville, Ind.
20th Century Tire Protector Co., Midlothian, Tex.
Twigg, Jno., & Sons, motor boat bldrs., 698 Illinois, San Francisco, Cal.
Twiggs, A. J., & Sons, contractors, Augusta, Ga.
Twin City Art Glass Works, 14 E. Lacock, Pittsburgh, Pa.
Twin City Bedding Co., mattresses, Marinette, Wis.
Twin City Boiler Works, Inc., Bristol, Va.
Twin City Brick Co., Pioneer bldg, St. Paul, Minn.
Twin City Carriages Works, St. Paul, Minn.
Twin City Co., contractors, 29th & Minnehaha av, Minneapolis, Minn.
Twin City Cut Glass Co., St. Paul, Minn.
Twin City Four Wheel Drive Co., University & Pelham, St. Paul, Minn.
Twin City Fdy. & Mach. Co., Texarkana, Tex.

Twin City Fuel Co., sewer pipe, tile drains, etc., Neenah, Wis.
Twin City Iron & Wire Works, 25 W. Water, St. Paul, Minn.
Twin City Iron Works, Norfolk, Va.
Twin City Lines, steel castings, St. Paul, Minn.
Twin City Lumber Co., North Tonawanda, N. Y.
Twin City Machine Co., Power Bldg., Nic. Isl., Minneapolis, Minn.
Twin City Mill Co., flour, Bristol, Tenn.
Twin City Oil Co., 210 N. 1st, Minneapolis, Minn.
Twin City Packing Co., meat packers, Menominee, Mich.
Twin City Plbg. Specialty Co., 406 Ravoux, St. Paul, Minn.
Twin City Rapid Transit Co., 11th & Hennepin av, Minneapolis, Minn.
Twin City Separator Co., 30th & Colfax av, S., Minneapolis, Minn.
Twin City Tank Silo & Specialty Co., 38th av, & N. E. 5th, Minneapolis, Minn.
Twin City Tiling Co., floor mosaics, 16 W. North av, N. S., Pittsburgh, Pa.
Twin City Varnish Co., 521 Cleveland av, St. Paul, Minn.
Twin City Welding Co., 313 7th av. S., Minneapolis, Minn.
Twin Dry Cell Battery Co., Superior Viaduct, Cleveland, Ohio.
Twin Fire Furnace Co., grates & furnaces, 38 S. Dearborn, Chicago, Ill.
Twin-O-Matic Machine & Tool Co., Inc., special & automatic machy., jigs, fixtures, guages, etc., 160 John, Brooklyn, N. Y. *See adv. index at end of book*
Twin Peaks Canning Co., Salt Lake City, Utah.
Twine, H. L., mill & facty. supps., Yonkers, N. Y.
Twine Mills Corp., cotton, Roanoke, Va.
Twining, S. B., & Co., stone producers, Stockton, N. J.
Twinplex Sales Co., razor stroppers, 1602 Locust, St. Louis, Mo.
Twinvolute Pump & Mfg. Co., 55 William, New York.
Twinvolute Pump & Mfg. Co., elec. pumps, 216 High, Newark, N. J.
Twiss Nelson W., machsts., New Haven, Conn.
Twisted Wire & Steel Co., box straps & metal shipping room supplies, 437 11th av, New York.
Twitchell-Champlin Co., canned goods & corn brooms, Portland, Me.
Twitchell Gauge Co., 1516 S. Wabash av, Chicago, Ill.
Twitchell, S., Co., carbonators, 223 Vine, Philadelphia, Pa.
Twitmire, W. T., cornices, Bellefonte, Pa.
Two Lakes Mills Co., lbr., Seattle, Wash.
Two Rivers Dredge & Dock Co., Two Rivers, Wis.
Two Rivers Plating Works, Two Rivers, Wis.
Twohig, James, contractor, Northampton, Mass.
Twohy Bros. Co., contractors, 219 E. 60th, Portland, Ore.
Twohy Bros., Co., contrs., San Diego, Cal.
Tyaskin Packing Co., Tyaskin, Md.
Tyer Rubber Co., Andover, Mass.
Tygert, J. E., Co., fertilizer mfrs., 28 S. Delaware av, Philadelphia, Pa.
Tyler, A. F., Co., sash, door & blind, Athol, Mass.
Tyler-Brandt & Tyler, architects, Richards Bldg., Lincoln, Neb.
Tyler, C. B., turpentine, Albany, Ga.
Tyler Can Co., 1409 Eastern av, Baltimore, Md.
Tyler Coal & Coke Co., Land Title Bldg., Philadelphia, Pa.
Tyler & Co., contractors, 2730 Nicollett av, Minneapolis, Minn.
Tyler Cotton Oil Co., meal, Tyler, Tex.
Tyler & Claytona, architects, 95 Bank, Waterbury, Conn.
Tyler, D. D., fndrs., Millville, N. J.
Tyler, Frank M., architect, Hiberman bldg, Los Angeles, Cal.
Tyler, Fred. A., plumbers' brackets, generators, etc., Albany, N. Y.
Tyler, George H., architect, Winthrop, Mass.
Tyler-Hall Chemical Co., wood alcohol, Hancock, N. Y.
Tyler & Hippach, plate glass, 366 W. Ohio, Chicago, Ill.
Tyler, Jas. R., architect, German Ins. Bldg., Rochester, N. Y.
Tyler Mfg. Co., auto. hdwe., cocoa mats & leather strips, 64 Pearl, Boston, Mass.
Tyler Tube & Pipe Co., Washington, Pa.
Tyler Underground Heating System, 855 Progress, Pittsburgh, Pa.
Tyler, W. J., masons' & bldrs.' matls., Cape May Court House, N. J.
Tyler, W. S., Co., ornamental iron and bronze, wire cloth and screen, etc., Cleveland, Ohio. *See adv index at end of book.*
Tynan, J. W., architect, Arlington, Vt.
Tyne & Willey, contractors, Binghamton, N. Y.
Typeribbon Mfg. Co., 711 S. Dearborn, Chicago, Ill.
Typhoon Fan Co., ventilating fans, 281 Lexington av, New York
Typhoon Signal Co., auto. horns, 20 Chicago, Lincoln, Ill.
Tyre, Philip S., architect, 1509 Arch, Philadelphia, Pa.
Tyrell, B. B., hot air furnace mfrs., Moline, Ill.
Tyrie & Chapman, architects, Auditorium Bldg., Minneapolis, Minn.
Tyroler, Leo., arch'l iron, 101 W. 88th, New York.
Tyrolese Art Glass Co., 25 W. Broadway, New York.
Tyron, Edw. K. Co., sporting goods mfrs., 611 Market, Philadelphia, Pa.
Tyrone Ironing Board Co., Tyrone, Pa.
Tyrone Milling Co., flour, Tyrone, Pa.
Tyrrell, A. H., & Son, machinists, Tyrrell, Ohio.
Tyrrell, Harlan P. machst., Fitchburg, Mass.
Ty-Sa-Man-Mach. Co., Knoxville, Tenn.



Tyson Bros., Inc., rubber substitutes, Woodbridge, N. J.
Tyson Co., ice cream freezers, Canton, Ohio.
Tyson, Frank, cornices, 759 N. Market, Philadelphia, Pa.
Tyson, J., & Son, fertilizer mfrs., Frederick, Md.
Tyson, Jacob L., masons' & bldrs.' matls., 900 Jeff, Phila., Pa.
Tyson & Jones Buggy Co., Carthage, N. C.
Tyson & Stubbs, lbr., Acree, Ga.
Tyson, Wears & Co., contractors, 201 Devonshire, Boston, Mass.
Ubbink, Jos., curb forms, Port Washington, Wis.
Uchtman, F. H., & Co., mattresses, 209 Woodward, Cincinnati, O.
Udall, Jno. C., contractor, 29 W. 34th, New York.
Udell-Predock Mfg. Co., piano benches, 2315 N. B'way, St. Louis, Mo.
Udell Wks., woodenware & novelties mfrs., Indianapolis, Ind.
Udstad, S., machsts., Aurora, Ill.
Uehling Instrument Co., machsts., 71 B'way, New York.
Uezzell, Frederick T., architect, 717 Walnut, Phila., Pa.
Uffendell, Wm. G., architect, 39 S. State, Chicago, Ill.
Ufford, Frank M., cotton towels, Norwich, Conn.
Ufherl, Joseph, & Co., contractors, 34 Ophir, Boston, Mass.
Uhdey, C. W., contractor, Warren, Pa.
Uhl, E. E., contr., Dixon, Ill.
Uhl-Jaster Co., contractors, 1900 Euclid av, Cleveland, Ohio.
Uhl, M., & Co., incubators, New Washington, Ohio.
Uhl Pottery Co., Evansville, Ind.
Uhlen Carriage Co., children's carriages, Rochester, N. Y.
Uhler & English, cordage mfrs., 106 N. Delaware, Phila., Pa.
Uhler, J. N., architect, Wapakoneta, Ohio.
Uhlfelder, Leo, Co., bronze powder, 138 W. 14th, New York.
Uhlich, Paul, & Co., chemicals, color mfrs., rubber substitutes, etc., 11 Cliff, New York.
Uhrich Planing Mill Co. See Uhrich Mill Work Co. (successors).
Uhrichsville Clay Co., Uhrichsville, Ohio.
Uihlein, Julius, & Co., mill & facty. supplies, 208 Elm, Cincinnati, Ohio.
Ukiah Milling Co., flour, Ukiah, Cal.
Ulco Oil Co., 65 Hale, Detroit, Mich.
Ulen Contracting Co., 38 S. Dearborn, Chicago, Ill.
Ulery, W. J. Co., cutlery, scissors, pocket knives, razors, tool kits & manicure goods, 258 B'way, New York.
Ulfer Mfg. Co., anti-skid chains, vapor lamps, etc., Freeport, Ill.
Ulinski, A., Bldg. Co., contrs., New Britain, Conn.
Ulko Supply Co., steam fitters' supplies, Clevelnd, Ohio.
Ullery, S. W., & Son, mill & facty. supplies, whol. hdwe., Logansport, Ind.
Ullman, D., Sons, scrap iron, steel & rubber, Buffalo, N. Y.
Ullman, Jacob, scrap iron & steel, 84 Oneida, Buffalo, N. Y.
Ullman Mfg. Co., picture frames, 338 E. 59th, New York.
Ullman Philpott Co., roofing paints, 4805 Lexington, Cleveland, Ohio.
Ullman, Sigmund, Co., printing inks, 146th & Park av, New York.
Ullrich, Albert, archit., 373 Fulton, Brooklyn, N. Y.
Ullrich, August G., sash, door & blind mfrs., 3864 Archer av, Chicago, Ill.
Ullrich & Hoffman, architect, 373 Fulton, Brooklyn, N. Y.
Ullrich, J., & Co., fountain pen mfrs., 27 Thames, New York.
Ullrich, R. C., Hardware Co., Mount Clemens, Mich.
Ulmer, J. C., Co., engng. instrs., 113 Prospect av, N. W., Cleveland, Ohio.
Ulmer, Jacob, Packing Co., meat packers, Pottsville, Pa.
Ulmer Leather Co., belt cements, Norwich, Conn.
Ulmer, Theo. C., hand made spikes, Richmond & E. Col., Philadelphia, Pa.
Ulmer, Wm. H., Co., stone, ft. of Chestnut, St. Paul, Minn.
Ulrey, A. A., & Co., flour mills, Fairmount, Ind.
Ulrich Co., mill & facty. supplies, shutrles, Paterson, N. J.
Ulrich & Co., polishes, 363 E. North, Buffalo, N. Y.
Ulrich Mfg. Co., agricultural implements, Rock Falls, Ill.
Ulrich Mfg. Co., harness, saddles & strap wk. mfs., Kokomo, Ind.
Ulseth, Edw., contractor, Calumet, Mich.
Ulster Iron Wks., brass fndrs., Dover, N. J.
Ulster Paint Wks., Ellenville, N. Y.
Ulster Tissue Mills, Inc., Napanoch, N. Y.
Ultcht, A. A., contractor, Mount Vernon, N. Y.
Ultramarine Co., ultramarine blues, 38 Park Row, New York.
Umbach, F. G., agricultural implements, Athens, Ga.
Umberger, J. R., & H. G., machst., Lebanon, Pa.
Umbrecht, Max, archit., Ry. bldg, Seatle, Wash.
Umlauf, J. A., machsts., 9 S. 15th, Richmond, Va.
Umphreys, J. F., contr., Homestead, Fla.
Umpqua Cooperative Packing Co., canned goods, Gardiner, Ore.
Umstead Power Ditcher Co., ditching machy., Upper Sandusky, Ohio.
Uncasville Mfg. Co., denims, Uncasville, Conn.
Unckrich Machine Co., Galion, Ohio.
Uncle Sam Oil Co., petroleum, Kansas City, Kans.
Undeland, A. L., chairs (barbers), Omaha, Neb.
Under Feed Stoker Co. of America, mechl. stokers, 111 W. Monroe, Chicago, Ill.
Underground Constr. Co., 106 N. La Salle, Chicago, Ill.
Underhay Oil Co., lubrg., 73 Batterymarch, Boston, Mass.
Underhill Bros., hatches, 6 Sherman, Charlestown, Boston, Mass.
Underhill, Clinch & Co., whol. hdwe., 84 White, New York.
Underhill Dillen, flour mills, Mountain Home, Ark.

derhill Hdwe. Co., Somerville, Mass.
derpinning & Foundation Co., 290 B'way, New York.
derwood Comput'g Mach. Co., 260 Gold, Brooklyn, N. Y.
derwood, F. J., mill & facty. supplies, Jamestown, N. Y.
derwood, H. B., & Co., machy. mfrs., 1025 Hamilton, Phila delphia, Pa.
derwood, John, & Co., printing & writing inks, carbon paper etc., 62 Park pl., New York.
derwood, Loring, landscape arch., 15 Exchange, Boston Mass.
derwood Machy Co., mill & facty. supps., 177 High, Boston Mass.
derwood Mfg. Co., loose leaf devices, 717 Sycamore, Cincinnati, Ohio.
derwood Mercer Construction Co., Springfield, Mo.
derwood, N., contractor, Durham, N. C.
derwood Paper Mills, Inc., Plattsburg, N. Y.
derwood Typewriter Co., 30 Vesey, New York.
derwood & Underwood, steroscopes, etc., 417 5th av, New York.
derwood Veneer Co., Wausau, Wis.
derwood, W., Co., canned goods, 52 Fulton, Boston, Mass.
derwood Whip Co., Westfield, Mass.
derwood, Wm. J., machsts., Ava, Ill.
derwriters Hatch Door Co., 1741 Walnut, Chicago, Ill.
derwriters' Laboratories, 207 E. Ohio, Chicago, Ill.
ger Bros., silver nov., 416 Halsey, Newark, N. J.
ger, F. S., Plbg. & Htg. Co., cornices, Niles, Ohio.
ger, John F., Slate Co., slate blackboards, Slatington, Pa.
ger, John S., ammonium plants, 3344 B'way, Chicago, Ill.
ger & Park, architects, Storm Lake, Ia.
ger, Warren, htg. contrs., Shamokin, Pa.
ger, William, architect, Bucyrus, Ohio.
ger, Wm., & Bro., silk fringes, tassels, auto. binding, etc., 496 B'way, New York.
gerer & Co., oils, 124 W. 19th, New York.
grodt, B., cornices & skylights, Washburn, Wis.
iflow Boiler Co., Harrison bldg., Philadelphia, Pa.
iform Fibrous Talc Co., 280 Madison, New York.
ilectric Corp., elec. light plants, 235 Mt. Elliott, Detroit, Mich.
ion Almn. Co., aluminum combs, Doylestown, Ohio.
ion Asbestos & Rubber Co., mill & facty. supps., 231 S. Well, Chicago, Ill. *See adv. index at end of book.*
ion Asphalt Construction Co., Lemcke bldg. Indianapolis, Ind.
ion Bag & Paper Corp., 233 B'way, New York.
ion Battery Co., Belleville, N. J.
ion Belt Co., Fall River, Mass.
ion Belting Co., 400 N. 2d, St. Louis, Mo.
ion Bending Wks., neck yokes, Collins, Ohio.
ion Blind & Ladder Co., Oakland, Cal.
on Boiler & Mfg. Co., Lebanon, Pa.
on Boiler Wks., 67 S. Center, Columbus, Ohio.
on Bow Co., auto., carriage & wagon bows, Cleveland, O.
on Box Mfg. Co., Atlanta, Ga.
on Brass Foundry, Los Angeles, Cal.
on Brass Fndry. Co., Lowell, Mass.
on Brass & Metal Mfg. Co., Lawson & Mackubin, St. Paul, Minn.
on Brick Co., Iola, Kans., San Diego, Cal., & Shamokin, Pa.
on Bridge & Constr. Co., Shipbldrs., Morgan City, La.
on Buffalo Mills Co., sheetings, Union, S. C.
on Builders Co-operative Contr. Co., Dunkirk, N. Y.
on Building & Constr. Co., masons' & bldrs.' matls., Passaic, N. J.
on Button Sewing Co., 394 Atlantic av, Boston, Mass.
on Cap Screw Co., 684 Hendrie, Detroit, Mich.
on Carbide Sales Co., 30 E. 42d, New York.
on Carpet Lining Co., 79 Summer, Boston, Mass.
on Casein Co., 2314 Wood, Philadelphia, Pa.
on Cement & Lime Co., Louisville, Ky.
on Chain & Mfg. Co., Seville, Ohio.
on Charcoal Co., Straight, Pa.
on Chemical Wks., fertilizer mfrs., North Wales, Pa.
on City Body Co., auto. bodies, Union City, Ind.
on City Canning Co., Union City, Tenn.
on City Carriage Mfg. Co., Union City, Ind.
on City Chair Co., Union City, Pa.
on City Hoop & Lbr. Co., Union City, Ind.
on City Lbr. Co., ties, poles & posts, Grand Rapids, Mich.
on City Wheel Co., machsts. & fndrs., Union City, Ind.
on Clay Products Co., Bloomingdale, Ind.
on Coal Co., masons' & bldrs.' matls., Chillicothe, Ohio.
on Coal Co., Colorado Bldg., Denver, Colo.
on Coal & Coke Co., bituminous, Bentleyville, Pa.
on Coal & Supp. Co., masons' & bldrs.' matls., Union City, Pa.
on College, engng. school & coll., Schenectady, N. Y.
on Construction Co., 604 Mission, San Francisco, Cal.
on Construction & Bldg. Co., Louisville, Ky.
on Cooperage Co., 2d & Penrose, St. Louis, Mo.
on Cornice Co., 5 Bark, Providence, R. I.
on Cotton Mills, Lafayette, Ga.
on Cotton Oil Co., Fitzgerald, Ga.
on Cutlery Co., Olean, N. Y.
on Cypress Co., lumber, Hopkins, Fla.
n Dist. Co., ethyl alcohol, 3d & Race, Cincinnati, Ohio.
on Draft Gear Co., McCormick Bldg., Chicago, Ill.

Union Drawn Steel Co., steel products, Beaver Falls, Pa.
Union Drop Forge Co., 358 W. Grand av, Chicago, Ill.
Union Dry Rock & Repair Co., Weehawken, N. J.
Union Elec. Co., clamps & inc. lamp coloring, 3721 Grant blvd, Pittsburgh, Pa.
Union Elec. Co., plugs, elec. lamp sockets, etc., Trenton, N. J.
Union Elec. Mfg. Co., comealongs or wire pullers, Pekin, Ill.
Union Electric Mfg. Co., electric controlling apparatus, 110 Reed, Milwaukee, Wis.
Union Elec. Mfg. Co., machsts., South Bend, Ind.
Union Electrical Porcelain Wks., Trenton, N. J.
Union Emblem Co., pins, Palmyra, Pa.
Union Engng. Co., automatic hair pin & spec. machy., & taper pins, Hartford, Conn.
Union Engineering Co., machsts., Cuyahoga & W. 4th, Cleveland, Ohio.
Union Envelope Co., envelope mfrs., Richmond, Va.
Union Excelsior Lubrg. Co., 229 Front, New York.
Union Fertilizer Co., Cullman, Ala., Calif. Bldg., Los Angeles, Cal., & Warrenton, Ga.
Union Fibre Co., Inc., cold storage insulation, etc., Winona, Minn.
Union Filter & Nov. Co., 73 Franklin, New York.
Union Fishermen's Co-operative Packing Co., Astoria, Ore.
Union Forging Co., Union, N. Y.
Union Fork & Hoe Co., Columbus, Ohio.
Union Fdry. & Mach. Co., Ottawa, Kans.
Union Foundry, Uniontown, Pa.
Union Fndry. Co., Anniston, Ala., & Fitchburg, Mass.
Union Foundry Works, First Nat. Bank Bldg., Chicago, Ill.
Union Fuel Co., Reisch Bldg., Springfield, Ill.
Union Furnace Co., blast, Ironton, Ohio.
Union Furnace Mfg. Co., machsts. & fndrs., Union Furnace, Pa.
Union Furniture Co., music cabinets, Rockford, Ill.
Union Furniture & Nov. Co., Warren, Pa.
Union Gas Burner Co., 369 Ellicott, Buffalo, N. Y.
Union Gas Engine Co., 351 Montgomery, San Francisco, Cal.
Union Gas Fixture Co., 361 W. 42d, New York.
Union Gear & Mach. Co., 27 Purchase, Boston, Mass.
Union Glass Co., Somerville, Mass.
Union Glue Corp., 32 Water, New York.
Union Granite Co., Portland, Me., & Morrisville & Waterbury, Vt.
Union Guano Co., Winston-Salem, N. C.
Union Hardware Co., Marietta, O., Torrington, Conn., & Union, S. C.
Union Hardware & Metal Co., 411 E. 1st, Los Angeles, Cal.
Union Hide Co., tallow, Third & Harrison, Oakland, Cal.
Union Horse Nail Co., 1524 W. 22d, Chicago, Ill.
Union Insulating & Construction Co., cold storage insulation, 20 W. Jackson blvd., Chicago, Ill.
*See adv. index at end of book*
Union Interior Finish Co., 5319 S. La Salle, Chicago, Ill.
Union Iron & Brass Fndry., Muncie, Ind.
Union Iron Fdry., Union, S. C.
Union Iron Works, corn & flour mill machy., etc., Decatur, Ill.
Union Iron Wks., machsts. & fndrs., Bellingham, Wash., Hoboken, N. J., Los Angeles, Cal., McAlester, Okla., Minneapolis, Minn., Spokane, Wash., & Sacramento, Cal.
Union Iron Wks., mill & facty. supplies, Bangor, Me.
Union Iron Works, steam boilers, Erie, Pa.
Union Iron Wks. Co., machsts. & fndrs., Selma, Ala.
Union Iron Wks. Co., steel structural wk., etc., 212 12th, Washington, D. C.
Union Jack Co., Bloomfield, Ind.
Union Knitting Mills, sweaters, etc., 44 N. 3d, Philadelphia, Pa.
Union Knitting Mills Co., Logan, Utah.
Union Knitting Wks., sweaters, cardigans, etc., 110 Thatford av, Brooklyn, N. Y.
Union Lthr. Measuring Mach. Co., Daurisport, Mass.
Union Lathe Wks., York, Pa.
Union Lime Co., Pabst Bldg., Milwaukee, Wis.
Union Limestone Co., Youngstown, Ohio.
Union Lock Stitch Co., mchsts. & fndrs., E. Boston, Mass.
Union Lumber Co., Bakersfield & Crocker Bldg., San Francisco, Cal., Houston, Tex., New Orleans, La., & Union Mills, Wash.
Union Lumber Mfg. Co., Cumberland, Md.
Union Mach. Co., Bartlesville, Okla.; Fitchburg, Mass.; St. Paul, Minn.; San Francisco, Cal., & Worcester, Mass.
Union Machine Works, Oakland, Cal.
Union Mach. Wks., deep well pumps, 367 3rd, San Francisco, Cal.
Union Mach. Works & Iron Fndry., 1821 S. Water, Phila., Pa.
Union Machinery & Supply Co., 500 1st av., S., Seattle, Wash.
Union Malleable Iron Co., East Moline, Ill.
Union Mfg. Co., bread boards, Cambridge, Ohio.
Union Mfg. Co., lathe, drill & planer chucks, grey iron castings, 300 Church st., New Britain, Conn.
*See adv. index at end of book*
Union Mfg. Co., sashes, doors & blinds, Greenville, Fla.
Union Mfg. & Lumber Co., wooden barrows, Northville, Mich.
Union Match Co., Duluth, Minn.
Union Mattress Co., Owosso, Mich., & Sioux City, Ia.
Union Meat Co., packers, North Portland, Ore., & San Antonio, Tex.
Union Metal Corner Co., metal corner bends mfrs., 18 Heath, Boston, Mass.
Union Metal Goods Co., wire specialties mfrs., Pawtucket, R. I.
Union Metal Mfg. Co., columns & posts, Canton, Ohio.

Union Metal Works, cleanouts, traps, plugs, copper floats, flushing, tanks, etc., Chelsea, Mass.
Union Mill, paper, Bancroft, Mass.
Union Mill Co., masons' & bldrs.' matls., Santa Barbara, Cal.
Union Mill Gin & Warehouse Co., flour, Corinth, Miss.
Union Mills, sweaters, cardigans, etc., Hudson, N. Y.
Union Mills Paper Mfg. Co., New Hope, Pa.
Union Mining Co. of Alleghany County, fire clay & brick, Mt. Savage, Md.
Union Motor Truck Co., Bay City, Mich.
Union Oil Co. of Cal., 7th & Spring, Los Angeles, Cal.
Union Oil Works, lubricating, Erie, Pa., & Rochester, N. Y.
Union Pacific Coal Co., The, Rock Spring, Wyo.
Union Paint Co., South av & B. & O. R. R., Pittsburgh, Pa.
Union Paper Co., 844 Washington, New York.
Union Paper Mill Co., paper bags, Monongahela, Pa.
Union Paper & Twine Co., 125 St. Clair av, Cleveland, O., & 538 Brisbane Bldg., Buffalo, N. Y.
*See adv index at end of book.*
Union Paving Co., 108 S. La Salle, Chicago, Ill.
Union Pearl Works, handles, buttons, etc., 43 W. 27th, New York.
Union Pencil Co., 33 Union sq, New York.
Union Petroleum Co., lubricating oils & greases, etc., Widener Bldg., Phila., Pa.
Union Pipe Co., Owensville, Mo.
Union Polish Co., 80 Barclay, New York.
Union Polishing & Plating Co., Rochester, N. Y.
Union Porcelain Works, elec. & mechanical spec., 300 Eckford, Brooklyn, N. Y.
Union Portland Cement Co., Ogden, Utah.
Union Printing Ink Co., Akron, O.
Union Products Co., mfrs. "Parlock" binding preparation for plaster, etc., 1248 W. 70th, Cleveland, Ohio.
Union Quarry & Const. Co., stone prod., 4687 Nat'l Bdge. rd, St. Louis, Mo.
Union Radiator Co., Johnstown, Pa.
Union Ry. Supply Co., ties, poles & posts, Real Estate Trust Co. Bldg., Philadelphia, Pa.
Union Refrigerator Co., refrigerators, 20 W. Jackson blvd., Chicago, Ill.
Union Ribbon & Carbon Co., carbon paper & typewriter ribbons, 67 Laurel, Philadelphia, Pa.
Union Rolling Mill Co., Aetna rd. & E. 82d, Cleveland, Ohio.
Union Salt Co., Addison road & L. S. & M. S. Ry., Cleveland, O.
Union Sand & Material Co. See Missouri Portland Cement Co. (successors)
Union Sanitary Mfg. Co., mchsts. & fndrs., Noblesville, Ind.
Union Sardine Co., canned, Lubec, Me.
Union Sanitary Supply, plbrs. supps., Union City, Ind.
Union Sash & Door Co., 213 S. 8th, Minneapolis, Minn.
Union Sawmill Co., Huttig, Ark.
Union School Furnishing Co., dictionary holders, 1034 W. Van Buren, Chicago, Ill.
Union Screen Co., 306 Carpenter, Providence, R. I.
Union Screen Plate Co., screen & suction plates & fasteners, Fitchburg, Mass.
Union Seed & Fertilizer Works, Raleigh, N. C.
Union Sewer Pipe Co., McKeesport, Pa.
Union Sheet Metal Works, cornices, 317 Farnsworth, Detroit, Mich.
Union Shingle Co., lumber, Edmonds, Wash.
Union Shipbldg. Co., Fairfield, Md.
Union Shuttle, Co., Lawrence, Mass.
Union Smelting & Refining Co., St. Charles, Newark, N. J.
Union Soap Co., 214 N. Pearl, Baltimore, Md., & 119 4th pl, Brooklyn, N. Y.
Union Soapstone Co., 14 Marshall, Boston, Mass.
Union Spar Co., spars & masts, Gloucester, Mass.
Union Special Mach. Co., 400 N. Franklin, Chicago, Ill.
Union Spinning & Plating Co., 67 Sudbury, Boston, Mass.
Union Spoke & Bending Co., Union City, Ind.
Union Spring & Mfg. Co., 1211 Fulton Bldg., Pittsburgh, Pa.
*See adv. index at end of book*
Union Springs Guano Co., fertilizer mfrs., Union Springs, Ala.
Union Stained Glass Co., 708 Columbia rd, Boston, Mass.
Union Starch & Refining Co., syrup, oils (corn), Edinburg, Ind.
Union Steam Pump Co., Battle Creek, Mich.
Union Steel Casting Co., Pittsburgh, Pa.
Union Steel Products Co., Ltd., oven racks, Albion, Mich.
Union Steel & Wire Co., Indianapolis, Ind.
Union Stock Yards Fdy. Co., Chicago, Ill.
Union Stone Co., York, Pa.
Union Storage Co., fertilizer mfrs., Marion, Ala.
Union Stove Lining Co., Taunton, Mass.
Union Stove Wks., 70 Beekman, New York
Union Sugar Co., 310 Sansome, San Francisco, Cal.
Union Sulphur Co., 17 Battery pl, New York
Union Superphosphate Co., 343 Sansome, San Francisco, Cal.
Union Supply Co., mill & facty. supps., Toledo, Ohio.
Union Switch & Signal Co., Swissvale, Pa.
Union Talc Co., 132 Nassau, New York
Union Thread Co., 69 & Big 4 R. R., Carthage, Cincinnati, O.
Union Timber Co., Aberdeen, Wash.
Union Tool Chest Co., Inc., 129 Mill, Rochester, N. Y.
Union Tool Co., lathe dogs, tool holders, key seating, tools, Los Angeles, Cal.
Union Traction Co. of Ind. machsts. & frdrs., Anderson, Ind.
vises, etc., Orange, Mass., & Torrance, Cal.
Union Truck Mfg. Co., 250 W. 54th, New York
Union Trunk & Bag Co., Richmond, Va.
Union Twine Co., Canonchet, R. I.
Union Twist Drill Co., Athol, Mass.
Union Typewriter Co., Bridgeport, Conn.
Union Univ. Engng. School, Albany, N. Y.
Union Varnish Co., 3d & Claibourne, New Orleans, La.
Union Wadding, cotton waste, Pawtucket, R. I.
Union Warehouse Co., fertilizer mfrs., Unadilla, Ga.
Union Water Meter Co., water meters, corporations waste stops, chronometer regulators & steam fire whistle mfrs., Worcester, Mass.
Union Waxed & Parchment Paper Co., Hamburg, N. J.
Union Wheel Wks., 53 Stanton, Newark, N. J.
Union Wire Mattress Co., spring beds, Blackhawk & Cherry, Chicago, Ill.
Uniontown Brick Co., Uniontown, Pa.
Uniontown Constr. Co., Uniontown, Pa.
Uniontown Cotton Oil Co., Uniontown, Ala.
Uniontown Hardware & Supply Co., Uniontown, Pa.
Uniontown Roller Mill Co., flour, Uniontown, Ky.
Unique Art Glass & Metal Co., shades, globes, etc., 105 Vandeveer, Brooklyn, N. Y.
Unique Brass Fndry. Co., 841 Grant, Buffalo, N. Y.
Unique Findings & Supply Co., 36 Garnet, Providence, R. I.
Unique Novelty Co., pencils, Independence, Ia.
Unit Chain Co., Lippincott Bl., Philadelphia, Pa.
Unit Const. Co., contrs., Title Guaranty Bldg., St. Louis, Mo.
Unit Weighing & Packing System, machy. mfrs., Scott & McHenry, Baltimore, Md.
United Alloy Steel Corporation, Canton, Ohio
*See adv. index at end of book*
United American Metals Corp. (Syracuse Smelting Wks., subsidiary), metals, electrotype, linotype, etc., 192 Diamond, Brooklyn, N. Y.
United Asbestos & Packing Co., packing mfrs., 619-629 Wash. blvd., Chicago, Ill.
United Auto. Trunk Co., 343 W. 26th, New York
United Autographic Register Co., 2316 W. 43rd, Chicago, Ill.
United Awl & Needle Co., mallets, buttoners, tacks, West Medway, Mass.
United Battery Corp., 42 B'way, New York.
United Boiler Htg. & Fdry. Co., Hammond, Ind.
United Bottle Machy. Co., 90 W. Broadway, New York
United Box Mfg. Co., pckg. box mfrs., Prospect & Guinotte av, Kansas City, Mo.
United Brass & Aluminum Mfg. Co., boiler ejectors, Port Huron, Mich.
United Brass Mfg. Co., plumbers' brass goods, 3844 Hamilton av, Cleveland, O.
United Brick Co., Greensburg, Pa.
United Brush Mfrs., 203 Lafayette, New York
United Box Lbr. Co., Rochester, N. Y.
United Building Co., contrs., White Bldg., Seattle, Wash.
United Butchers' Packing Co., meat packers, 913 Fulton, Chicago, Ill.
United Button Co., 4th av & 17th, New York.
United Casting Co., Los Angeles, Cal.
United Cereal Mills, foods, Quincy, Ill.
United Chair Seat & Nov. Co., 53 E. 10th, New York
United Chemical Companies, Kansas City, Mo.
United Chemical & Organic Products Co., steamed bone, glue, gelatine, etc., 111 W. Washington, Chicago, Ill.
United Cigarette Mach. Co., Inc., Lynchburgh, Va.
United Color & Pigment Co., mfrs., Newark, N. J.
United Compound Co., pattern wax, 228 Elk, Buffalo, N. Y.
United Canneries Co. of Cal., Ontario, Cal.
United Constr. Co., 27 James, Albany, N. J.
United Contracting Co., contractors' equipment, 32 United Bldg., Indianapolis, Ind.
United Contracting Co., North Western Bank Bldg., Portland, Ore.
United Cork Cos., 50 Church, New York
United Cornice Wks., 3306 S. Main, Los Angeles, Cal.
United Dressed Beef Co., 1st av & 44th, New York
United Eastern Aeroplane Corp., 1253 De Kalb av, Brooklyn, N. Y.
United Elec. App. Co., rectifiers—burglar alarms, etc., 1529 Columbus av, Boston, Mass.
United Electric Co., vacuum cleaners, Canton, Ohio.
United Elec. Co., Wichita, Kansas
United Elec. Co., elec. motors, 703 W. Van Buren, Chicago, Ill.
United Elec. Supply Co., Marion, Ohio.
United Electrical Const. Co., Junction boxes, 110 S. Dearborn, Chicago, Ill.
United Engine Co., Lansing, Mich.
United Engine & Mfg. Co., Hanover, Pa.
United Engng. & Fdry. Co., machsts. & fndrs., Keenan Bldg., Pittsburgh, Pa.
United Engineering Works, Clunie Bldg., San Francisco, Cal.
United Filters Corp., oil & water filters, Felt Bldg., Salt Lake City, Utah.
United Filters Corpn., 65 B'way, New York.
United Fire Brick Co., Uniontown, Pa., & North East, Md.
United Forge & Mach Co., 527-43 Franklin, Detroit, Mich.

nited Four Wheel Drive Truck Corp., 29 S. La Salle, Chicago, Ill.
nited Furnace Co., Canton, O.
nited Gas Improvement Co., Broad & Arch, Philadelphia, Pa.
nited Glass Works, 58 Page, San Francisco, Cal.
nited & Globe Rubber Co., Trenton, N. J.
nited Granite Co., St. Cloud, Minn.
nited Hammer Co., pow. ham. mfrs., 45 Bromfield, Boston, Mass.
nited Handle Mills, 149 Broadway, New York.
nited Hardware & Supply Co., steam fitters' supplies, Titusville, Pa.
nited Indigo & Chemical Co., (Ltd.), 176 Federal, Boston, Mass.
nited Injector Co., 119 W. 40th, New York.
nited Iron & Steel Co., blast furns. & coke mfrs., Cleveland, O.
nited Iron Wks., mchsts. & fndrs., Oakland, Cal.
nited Iron Wks., Inc., machsts. & fndrs., Kansas City, Mo.
nited Irrigation & Rice Milling Co., New Orleans, La.
nited Kansas Portland Cement Co., Independence, Kansas
nited Knit Goods Co., gloves & mittens, 1258 W. 4th, Cleveland, Ohio.
ited Knitting Co., sweaters, &c., 17th & Vine, Philadelphia, Pa.
nited Lamp Co., Meyers Bldg., Springfield, Ill.
nited Lead Co., 111 Broadway, New York
ited Lighting Fixture Co., 1149 Mission, San Francisco, Cal.
nited Lime & Stone Co., Harrisburg, Pa.
nited Lined Tube & Valve Co., 180 Franklin, Boston, Mass.
nited Lumber Co., Springfield, Mass.
ited Machine & Mfg. Co., Canton, Ohio.
nited Malaysian Rubber Co., 2 Rector, New York
nited Mfg. & Distributing Co., phonograph motors, tone arms & reproducers, 536 Lake Shore Drive, Chicago, Ill.
nited Marble Companies, Rutland, Vt.
nited Materials Co., masons' & bldrs.' matls., 618 Mission, San Francisco, Cal.
nited Mattress Mach'y. Co., 19 Milk, Boston, Mass.
nited Metal Mfg. Co., Inc., Norwich, Conn.
nited Metal Spinning Co., shade holders, 103 Mott, New York
nited Metals Selling Co., 42 Broadway, New York
nited Motors Co., 675 North, N. W., Grand Rapids, Mich.
ited Natural Gas Co., Oil City, Pa.
nited Novelty Co., manicure sets, Lancaster, Pa.
nited Nut Lock Co., Springfield, Mass.
nited Oil Mfg. Co., lubrg., Erie, Pa.
nited Oil Mills, Hope, Ark.
nited Ornamental Iron Wks., 189 W. Madison, Chicago, Ill.
nited Paper Board Co., 171 Madison av, New York
nited Peach Bottom Slate Co., roofing slate mfrs., Delta, Pa.
ited Phonographs Corp., Sheboygan, Wis.
nited Piece Dye Works, machsts., Lodi, N. J.
nited Plumbers Supply Co., 181 E. 108th, New York.
nited Printing Mach'y Co., 100 Summer, Boston, Mass.
nited Pump & Power Co., Belleview pl. & Larkin, Milwaukee, Wis.
nited Refining Co., oils, petroleum, etc., Warren, Pa.
ited Roll & Foundry Co., rubber working machy., Ravenna, O.
nited Roofing & Mfg. Co., Morris Bldg., Philadelphia, Pa.
nited Safety Powder Co., explosives, Louisville, Ky.
nited Sales Mfg. Co., advtg. spec., Elmira, N. Y.
nited Sash & Door Co., Wichita, Kans.
nited Seal Co., meter seals, 239 S. Pearl, Columbus, Ohio.
ited Sheet Metal Works, San Francisco, Cal.
nited Shoe Machinery Co., machsts. & fndrs., 205 Lincoln, Boston, Mass.
ited Smelting & Aluminum Co., Inc., aluminum babbit & non-ferrous metals of all kinds, 183 to 189 Commerce, New Haven, Conn.
S. A. Co. dress hooks, Shelton, Conn.
S. Adding Machine Co., 101 Park av, New York.
S. Addressing & Printing Co., 25 Park pl., New York.
S. Aero Propeller Co., Milwaukee, Wis.
S. Air Compressor Co., Carnegie av, Cleveland, Ohio.
S. Alloy Corp., ferro-sibicon, 28 E. 42nd, New York.
S. Aluminum Co., Oliver Bldg., Pittsburgh, Pa.
S. Appraisals Co., 161 Summer, Boston, Mass.
S. Asbestos Co., asbestos goods mfrs., Lancaster, Pa.
S. Asphalt Refining Co., 90 West, New York.
S. Auto Gear Shift Co., Eau Claire, Wis.
S. Automatic Box Machinery Co., 172 Green, Jamaica Plain, Boston, Mass.
S. Automatic Co., Amherst, Ohio.
S. Automatic Fire Alarm Co., Kansas City, Mo.
S. Automatic Sprinkler Co., 1392 Lexington av, New York.
S. Ball Bearing Mfg. Co., machsts., 4535 Palmer, Chicago, Ill.
S. Bedding Co., mattresses, St. Paul, Minn.
S. Blue Print Paper Co., 327 S. La Salle, Chicago, Ill.
S. Bobbin & Shuttle Co., 57 Eddy, Providence, R. I.
S. Bottle Stopper Co., Haw Tree Creek rd, Woodhaven, N. Y.
S. Bottlers' Machinery Co., 2511 Park, Chicago, Ill.
S. Brake Shoe Co., machsts. & fndrs., Corry, Pa.
S. Bronze Powder Wks., Inc., 220 W. 42nd, New York.
S. Broom & Brush Co., 130 N. Wells, Chicago, Ill.
S. Broom & Duster Co., 1812 W. 13th, Chicago, Ill.
S. Brush Co., hat brushes, Potsdam, N. Y.

U. S. Bung Mfg Co., treenail wedges, 50 S. 2d, Brooklyn, N. Y.
U. S. Bunting Co., Lowell, Mass.
U. S. Button Co., Muscatine, Ia.
U. S. Cabinet Bed Co., 336 Delancey, New York.
U. S. Can Co., Norwood, Cincinnati, Ohio.
U. S. Carriage Co., 319 S. 4th, Columbus, Ohio.
U. S. Cartridge Co., Lowell, Mass.
U. S. Casket Co., Scottdale, Pa.
U. S. Castings Co., malleable iron, 25 Elm, New York.
U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J.
U. S. Casualty Co., insurances, 80 Maiden la, New York.
U. S. Cereal Co., Upper Sandusky, Ohio.
**U. S. CHAIN & FORGING CO.,** Union Arcade, Pittsburgh, Pa. *See adv. index at end of book.*
U. S. Chaplet & Supply Co., fndry facings, 140 Cedar, New York.
U. S. Chemical Co., boiler compounds, 3621 Lakeside av, N. E., Cleveland, & Greenville, Ohio.
U. S. Cloth Cutting Machine Co., 414 W. Broadway, New York.
U. S. Clothespin Co., Montpelier, Vt.
U. S. Coal Co. (The), Citizens Bldg., Cleveland, Ohio
U. S. Coal & Coke Co., Carnegie Bldg., Pittsburgh, Pa.
U. S. Coal, Gravel & Sand Co., Baton Rouge, La.
U. S. Color & Chemical Co., 15 Custom House, Boston, Mass.
U. S. Column Co., columns, caps & bases, Erie & Albany, Cambridge, Mass
U. S. Constr. Co., Inc., 1 Liberty, New York.
U. S. Cooperage Co., handles, Malden, Mo.
U. S. Crane Co., locomotive cranes, 122 S. Michigan av., Chicago, Ill.
U. S. Crushed Stone Co., 108 S. La Salle, Chicago, Ill.
U. S. Cutlery Co., Fremont, Ohio.
U. S. Dredge & Dock Co., 29 S. La Salle, Chicago, Ill.
U. S. Drill Head Co., 1950 W. 6th, Cincinnati, Ohio
U. S. Dye Extracts Co., logwood extracts, 801 Vernon av, Long Island City, N. Y.
U. S. E. M. Co., alarms, connectors, ringers, etc., 505 W. 42nd, New York.
U. S. Elec. Mfg. Co., 300 S. Central av, Los Angeles, Cal.
U. S. Elec. Signal Co, West Newton, Mass.
**UNITED STATES ELECTRICAL TOOL CO.,** air tires, pumps, Cincinnati, Ohio. *See adv. index at end of book*
U. S. Encaustic Tile Works, Indianapolis, Ind.
U.S. Electro Galvanizing Co., 36 Stockton, Brooklyn, N. Y.
U. S. Engineering Constr. Co., Fort Worth, Tex.
U. S. Envelope Co., Springfield, Mass.
United States Electrical Tool Co., electric drills & grinders, 549 W. Washington blvd., Chicago, Ill. *See adv. index at end of book*
U. S. Equipt. Co., contr. supplies, 208 S. La Salle, Chicago, Ill.
U. S. Expansion Bolt Co., 25 Elm, New York. *See adv. index at end of book*
U. S. Fastener Co., 95 Milk, Boston, Mass.
U. S. Faucet Co., 1155 Mission, San Francisco, Cal.
U. S. Ferro Alloys Corp., 30 E. 42nd, New York
U. S. Fidelity & Guaranty Co., insurance, Calvert & Redwood, Baltimore, Md.
U. S. Finishing & Mfg. Co., tin mounting machines, etc., 216 N. Clinton, Chicago, Ill.
U. S. Fire App. Co., Wilmington, Del.
U. S. Fire Escape Counterbalance Co., 177 W. Washington, Chicago, Ill.
U. S. Flag Co., 329 Lock, Cincinnati, Ohio.
U. S. Flexible Metallic Tubing Co., 65 Main, San Francisco, Cal.
U. S. Frumentum Co., 39 S. Chene, Detroit, Mich.
U. S. Gas Fixtures Co., 262 Washington, Newark, N. J.
U. S. Gas Furnace Co., 46 Clifford, Providence, R. I.
U. S. Gas Machine Co., Muskegon, Mich.
U. S. Gauge Co., machsts., 37 Liberty, New York *See adv. index at end of book.*
U. S. Glass Co., glass bottles, S. 9th & Bingham, Pittsburgh, Pa.
U. S. Glove Co., Marion, Ohio
U. S. Glue Co., Carrollsville, Milwaukee, Wis.
U. S. Graphite Co., Saginaw, Mich.
U. S. Grate Bar Co., fndrs., Elizabeth, N. J.
U. S. Gutta Percha Paint Co., 12-30 Dudley, Providence, R. I.
U. S. Gypsum Co., wall plaster & fireproofing mfrs., 205 W. Monroe, Chicago, Ill.
U. S. Hame Co., hames, wire rings, staple mfrs., Buffalo, N. Y.
U. S. Handle Co., farm tool & wood, Piqua, Ohio.
U. S. Headlight Co., Buffalo, N. Y.
U. S. Heating & Plumbing Co., 744 W. Court, Cincinnati, Ohio.
U. S. High Speed Steel & Tool Corp., 489 5th av, New York
U. S. Hoffman Co., machsts., Syracuse, N. Y.
U. S. Horse Shoe Co., Erie, Pa.
U. S. Inc. Lamp Co., Ewing & Clark avs, St. Louis, Mo.
U. S. Incinerator Co., Buffalo, N. Y.
U. S. Indestructible Gasket Co., gasket mfrs., Church & Fulton, New York. *See adv index at end of book.*
U. S. Industrial Alcohol Co., cologne spirits, 27 William, New York.
U. S. Industrial Chemical Co., 27 William, New York.
U. S. Kellastone Co., sanitary flooring, Chicago, Ill.
U. S. Lace Paper Works, 69 W. Houston, New York.
U. S. Lathe & Mach. Co., Cincinnati, Ohio.
U. S. Leather Co., 204 Essex, Boston, Mass., & 17 Battery pl, New York.

U. S. Lens Co., Geneva, N. Y.
U. S. Light & Heat Corp., Niagara Falls, N. Y.
U. S. Lock & Hardware Co., Columbia, Pa.
U. S. Mach. Gun Co., Meriden, Conn.
U. S. Machine Co., Williamsport, Pa.
U. S. Mach. Tool Co., drilling & milling machy., Cincinnati, O.
United States Malleable Iron Co., Toledo, Ohio.
U. S. Malt Co., 309 Broadway, New York.
U. S. Match Plate Co., Holyoke, Mass.
U. S. Metal Cap & Seal Co., 107 W. 13th, New York.
U. S. Metal Products Co., cornices & skylights, doors, etc., San Francisco, Cal.
U. S. Metallic Packing Co., 221 N. 13th, Philadelphia, Pa.
U. S. Metals Refining Co., 61 Broadway, New York
U. S. Mica Mfg. Co., 14 E. Jackson blvd, Chicago, Ill.
U. S. Mill Supply Co., 334 S. Water, Providence, R. I.
U. S. Mineral Wool Co., 280 Madison av, New York.
U. S. Molding Machine Co., 968 E. 69th pl, Cleveland, Ohio.
U. S. Mop Co., Toledo, Ohio.
U. S. Motor Truck Co., Cincinnati, Ohio.
U. S. Navy Yard, steel casting, Brooklyn, N. Y.
U. S. Needle Concern, 912 West Madison, Chicago, Ill.
U. S. Nickel Co., New Brunswick, N. J.
U. S. Novelty & Mfg. Co., mchsts., Collins & Belt Line, Detroit, Mich.
U. S. Oil & Supply Co., mill & facty. supps., 334 S. Water, Providence, R. I.
U. S. Paper Goods Co., 1224 W. 8th, Cincinnati, Ohio.
U. S. Paper Mills, Chambersburg, Pa.
U. S. Patent Spec. Co., advtg., 606 Washington, New York.
U. S. Piston Ring Co., Irvington, N. J.
U. S. Piston Ring Co., 2108 Superior av, Cleveland, Ohio
U. S. Playing Card Co., Park av, Norwood, Cincinnati, Ohio.
U. S. Portland Cement Co., Denver, Colo.
U. S. Powder Co., Terre Haute, Ind.
U. S. Pressed Steel Co., steel singletrees & doubletrees, Ypsilanti, Mich.
U. S. Printing Lithograph Co., Robertson av & Beech, Norwood, Cincinnati, Ohio.
U. S. Pulley Covering Co., 212 Washington, New York.
U. S. Radiator Corp., cast iron boilers & radiators, 133 E. Grand R., Detroit, Mich.
U. S. Rail Co., Cumberland, Md.
U. S. Rattan Co., Hoboken, N. J.
U. S. Refining Co., fire resisting paints, 1291 W. 11th, Cleveland, O.
U. S. Register Co. (Ltd.), Battle Creek, Mich.
U. S. Ring Traveler Co., 159 Aborn, Providence, R. I.
U. S. Rocking Grate Bar Co., 2825 W. Harrison, Chicago, Ill.
U. S. Roofing Tile Co., Parkersburg, W. Va.
U. S. Rubber Co., all kinds of rubber goods, 1790 Broadway, New York.
U. S. Rubber Co., mill & facty. supps., San Francisco, Cal.
U. S. Rubber Reclaiming Co., 42nd st Bldg., New York.
U. S. Safety Gas Machine Co., Belleville, Ill.
U. S. Sand Paper Co., Williamsport, Pa.
U. S. Sanitary Effuents Separating App., 35 Nassau, New York
U. S. Sanitary Mfg. Co., enam. bath tubs, Arrott Bldg., Pittsburgh, Pa.
U. S. Sanitary Septic Tank Co., Memphis, Tenn.
U. S. Scale Factory, mchsts. & fndrs, Terre Haute, Ind.
U. S. Shape & Pipe Bending Co., 315 Howard, San Francisco, Cal
U. S. Sherardizing Co., New Castle, Pa.
U. S. Shipbldg Corp., 26 Cortlandt, New York.
U. S. Silica Co., 122 S. Michigan av, Chicago, Ill.
U. S. Slicing Mach. Co., mchsts. & fndrs., 189 N. Dearborn, Chicago, Ill., & La Porte, Ind.
U. S. Smelting, Refining & Mining Co., spelter, etc., 120 Broadway, New York
U. S. Smelting Co., white arsenic, Midvale, Utah.
U. S. Smelting, Refining & Mining Co., 55 Congress, Boston Mass., & Salt Lake City, Utah.
U. S. Smelting & Wire Works, bar solder, 1615 Spring Garden, Philadelphia, Pa.
U. S. Specialty Co., fishing bait, S. A. & K. Bldg., Syracuse, N. Y
U. S. Specialty Co., manicure sets, Middletown, Conn.
U. S. Spring Bed Co., Springfield, Mass.
U. S. Spruce Lumber Co., Marion, Va.
U. S. Stamping Co., drip pans, Moundsville, W. Va.
U. S. Standard Co., acet. gas machines, Voorheesville, N. Y.
U. S. Steel Erection Co., Buffalo, U. Y.
U. S. Steel Furniture Co., filing cabinets, Syracuse, N. Y.
U. S. Steel Products Co., 30 Church, New York.
U. S. Steel Tank & Pipe Co., exhaust & blow piping, 2090 Canalport av, Chicago, Ill.
U. S. Stoneware Co., acid proof stoneware, Akron, Ohio.
U. S. Sugar Co., Madison, Wis.
U. S. Supply Co., mill & facty. & plumbers' supplies, jobbers, Omaha, Neb.
U. S. Supp. Co., mill supp., Tulsa, Okla.
U. S. T. Cutlery Co., 56 Summer av, Newark, N. J.
U. S. Tent & Awning Co., 227 N. Desplaines, Chicago, Ill.
*See adv. index at end of book*
U. S. Theatre Equipment Corp., 1604 Broadway, New York.
U. S. Tire Co., Broadway & 58th, New York.
U. S. Tool Co., punches, dies, etc., 3160 W. 106th, Cleveland, Ohio.
U. S. Tractor Co., Minneapolis, Minn.
U. S. Trimming Co., fringes, tassels, etc., 1410 N. 6th, Phila, Pa.
U. S. Typewriter Ribbon Mfg. Co., 124 S. 8th, Phila., Pa.
U. S. Varnish Co., 2616 Colerain, Cincinnati, Ohio.
U. S. Water & Steam Supply Co., machy dlrs., 1315 W. 12th, Kansas City, & Rockville, Mo.,
U. S. Welding Co., 155 Lafayette, New York.
U. S. Whip Co., Westfield, Mass.
U. S. Willow Furniture Co., 13th & Grand, Hoboken, N. J.
U. S. Wind Engine & Pump Co., Batavia, Ill.
U. S. Window Glass Co., Morgantown, W. Va.
U. S. Wire Mat Co., fly swatters, clinker hooks, porch swings, etc., Decatur, Ill.
U. S. Wood Preserving Co., 165 Broadway, New York.
U. S. Woven Label Co., 45 W. 34th, New York.
U. S. Zinc Co., Pueblo, Colo.
United Steel & Wire Co., broilers, carriers, stools, etc., Battle Creek, Mich.
United Suit Case Co., 1345 5th av, Pittsburgh, Pa.
United Supply Co., machy. dlrs., Spokane, Wash.
United Supp. Co., mill & facty. supp., Brunswick, Ga.
United Supply & Mfg. Co., rail loaders, 332 S. Michigan, Chicago, Ill.
United Telepherage Co., 101 Park av, New York.
United Trimming Co., 16 W. 39th, New York.
United Vacuum Appliance Co., Connersville, Ind.
United Vacuum Sweeper Co., carpet sweepers, 2445 W. 19th, Chicago, Ill.
United Varnish Co., 248 Green, Long Island City, N. Y.
United Vending Co., talking scales, Cleveland, Ohio.
United Verde Copper Co., Clarkdale, Ariz.
United Verde Copper Co., Jerome, Ariz.
United Waste Mfg. Co., cotton waste, Troy, N. Y.
United Wire & Supply Co., seamless brass & copper tubing & gold & silver plated wire, etc., Elmwood Station, Providence, R. I.
United Wire Tire Co. See Bates Valves Bag Co. (successors)
United Zinc Smelting Corp., 99 John, New York.
Unitube Auto Radiator Corp., Rochester, N. Y.
Unity Cotton Mills, La Grange, Ga.
Unity Mfg. Co., boring tools & steel spacing washers, 4227 Lorain av, Cleveland, Ohio.
Unity Mfg. Co., spec. machy., 224 N. Halsted, Chicago, Ill.
Unity Paper Mills, Inc., Potsdam, N. Y.
Unity Sand & Stone Co., Greensburg, Pa.
Unitype Co., typesetting machs., 30 Monitor, Jersey City, N. J.
Universal Battery Co., gasoline lighting systems, 3410 S. La Salle, Chicago, Ill.
Universal Boring Machine Co., boring bars & machinery, Hudson, Mass.
Universal Brush Co., 181 Quincy, Chicago, Ill.
Universal Button Fastening & Button Co., 680 Fort av, Detroit, Mich.
Universal Cabinet Co., cedar chest, 1737 N. Paulina, Chicago, Ill.
Universal Cable Grip Co., guy anchors, manhole guards, Skaneateles, N. Y.
Universal Camera Co., 240 E. Ontario, Chicago, Ill.
Universal Carbon Co., elec. lamp flashlights, Dundee, Ill.
Universal Caster & Foundry Wks., caster mfrs., 574 Ferry, Newark, N. J.
Universal Chain Co., Stroudsburg, Pa.
Universal Coatings Corp., waterproofing matls., 104 Broad, New York.
Universal Coating Corp., 44 Pearl, New York.
Universal Co., maps, 37 Barclay, New York
Universal Compound Co. See Universal Coating Corp. (successors)
Universal Constr. Co., Empire Bldg., Pittsburg, Pa.
Universal Cornice & Roofing Co., 2241 S. Troy, Chicago, Ill.
Universal Crushed Stone Co., 29 S. La Salle, Chicago, Ill.
Universal Crusher Co., Cedar Rapids, Ia.
Universal Cutter Co., textile machy., supplies, etc., 4567 Scott av, St. Louis, Mo.
Universal Drafting Mach. Co., 1426 W. 3d, Cleveland, Ohio.
Universal Drum Trap Cover, 753 E. 39th, Chicago, Ill.
Universal Elec. & Spec. Mfg. Co., junc. boxes, New Orleans, La.
Universal Electric Stage Lighting Co., 240 West 50th, New York
Universal Elec. Welding Co., 30 E. 42d, New York.
Universal Engrng Co., cannery retorts, 462 Fillmore, San Francisco, Cal.
Universal Film Mfg. Co., 1600 Broadway, New York
Universal Fixture Corp., racks display, 133 W. 23rd, New York.
Universal Flexible Conduit Co., flexible metal hose, 109-111 Tichenor, Newark, N. J.
Universal Fluxine Co., brazing compounds, Urbana, Ohio.
Universal Form Clamp Co., 14 No. May, Chicago, Ill.
Universal Fdry. Co., gray iron casting & patterns, Oshkosh, Wis.
Universal Grinding Mach. Co., Fitchburg, Mass.
Universal Hardware & Supply Co., 79 Greenpoint av, Brooklyn, N. Y.
Universal Heater Mfg. Co., 1000-02 N. Vanderventer av, St. Louis, Mo.
Universal Hoist & Mfg. Co., Cedar Falls, Ia.
Universal Indicator Co., voting machines, 210 Syracuse, Milwaukee, Wis.
Universal Industrial Corp., hose clamps, Hackensack, N. J.

niversal Label Weaving Co., Paterson, N. J.
niversal Lubricating Co., Schofield Bldg., Cleveland, Ohio.
niversal Lubricator Co., 136 Chestnut, Philadelphia, Pa.
niversal Machine Co., Bowling Green, O.
niversal Machine Co., machinery manfrs., 501 E. Preston, Baltimore, Md.
niversal Mach. & Tool Co., Canton, O.
niversal Mach. Wks., 1060 Germantown, Philadelphia, Pa.
niversal Machy. Co., 784 30th, Milwaukee, Wis.
niversal Mfg. Co., advtg. spec., 18-20 Pike, Chicago, Ill.
niversal Metal Spinning & Stamping Co., lanterns, 69 Wooster New York.
niversal Milking Mach. Co., 18 W. Mound, Columbus, Ohio.
niversal Motor Co., Oshkosh, Wis.
niversal Novelty Wks., dry batteries, elec. toys, flashlights, etc., 164 5th av, New York.
niversal Nozzle Co., Indianapolis, Ind.
niversal Oil Co., Wilmington, N. C.
niversal Oxygen Co., Sheboygan, Wis.
niversal Paper Bag Co., New Hope, Pa.
niversal Pattern Wks., 909 State av, Cincinnati, Ohio.
niversal Portland Cement Co., 208 S. La Salle, Chicago, Ill
niversal Printing Co., coin wrappers, Erie, Pa.
iversal Printing Ink Co., 225 W. 39th, New York.
niversal Ry. Supply Co., 122 S. Michigan av, Chicago, Ill.
niversal Register Co., 226 W. Ontario, Chicago, Ill.
niversal Rim Co., 140 S. Dearborn, Chicago, Ill.
niversal Road Machy. Co., Kingston, N. Y.
niversal Rolling Mill Co., Bridgeville, Pa.
iversal Roofing Tile Co., 3690 Milwaukee, Chicago, Ill.
niversal Safety Mattress Co., Baltimore, Md.
niversal Safety Tread Co., stair treads, Waltham, Mass.
iversal Sanitary Mfg. Co., 171 Madison av, New York.
niversal Sanitary Mfg. Co., plumbers' sanitary earthenware, &c., New Castle, Pa.
niversal Screen Co., 2700 Long Beach av, Los Angeles, Cal.
iversal Service Co., automobiles, 1120 Grand River, Detroit, Mich.
niversal Shear & Mfg. Co., 38 Littleton av, Newark, N. J.
niversal Shipbldg. Co., Houston, Tex.
iversal Shock Eliminator Co., 1881 B'way, New York.
niversal Skylight Co., 519 E. 73d, New York
niversal Spec. Co., can openers, 33 E. Kinney, Newark, N. J.
niversal Specialty Co., hoods—motor, New Leader Bldg., Cleveland, Ohio.
niversal Spec. Co., Terre Haute, Ind.
iversal Steel Cabinet Co., 2026 Pacific, Brooklyn, N. Y.
iversal Supply Co., mill & facty. supplies, Newark, Ohio, & 1st Natl. Bk. Bldg., Pittsburgh, Pa.
iversal Supply Co., plumbers' supplies—jobs., Newark, N. J
iversal Talking Mach. & Record Co., 5021 Baltimore, Philadelphia, Pa.
iversal Tire Protector Co., Angola, Ind.
iversal Tobacco Mach. Co., 98 Murray, Newark, N. J.
iversal Trolley Wheel Co., Northampton, Mass.
iversal Tube Co., 321 W. Ohio, Chicago, Ill.
iversal Type Making Mach. Co., 732 Federal, Chicago, Ill.
iversal Valve Co. See Burlington Brass Wks. (successors)
iversal Ventilating Co., 14th & Oak, Kansas City, Mo.
iversal Winding Co., textile machinery mfrs., 95 South, Boston, Mass.
iverse Mfg. Co., advtg. nov. & spec., 2218 Vine, Phila., Pa
iversity Apparatus Co., laboratory, Berkeley, Cal.
iversity Bag Co., traveling, 185 Franklin, Boston, Mass.
iversity of Akron, engng. schools & coll., Akron, Ohio.
iversity of California, engng. schools & coll., Berkeley, Cal.
iversity of Cincinnati, Tech. School Engng. School & Coll., Burnet Woods pk., Cincinnati, Ohio.
iversity of Detroit Engng. Dept., engng. schools & coll., 348 E. Jefferson, Detroit, Mich.
versity of Illinois College of Engng., engng. schools & colleges, Urbana, Ill.
versity of Ky., engng. schools & college, Lexington, Ky.
versity of Michigan, engng. school & coll., Ann Arbor, Mich.
versity of Minn., engng. school & coll., S. E. Minneapolis, Minneapolis, & University Farm, St. Paul, Minn.
versity of Missouri School of Engng., engng. schools & coll Columbia, Mo.
versity of Notre Dame, engng. school & coll., Notre Dame, Ind.
versity of Oregon, engng. schools & coll., Eugene, Ore.
versity of Pa., engng. school & coll., S. 34th cor. Woodland av., Philadelphia, Pa.
versity of Pittsburgh, engng. school & coll., Grant blvd. & Parkman, Pittsburgh, Pa.
versity of the South, engng. school & coll., Sewanee, Tenn.
versity of Tennessee, engng. school & coll., Knoxville, Tenn.
versity of Vermont & State Agricultural Coll., Burlington, Vermont.
versity of Washington, engng. school & coll., Seattle, Wash.
versity of Wisconsin, engng. school & coll., Madison, Wis.
versity Sheet Metal Wks., cornices & skylights, Seattle, Wash.
efer, Geo. R., Co., var. mfrs., 1827 Le Claire av, Chicago, Ill
elbach & Perry, architects, New Britain, Conn.
-lite Co. of America, portables, Indianapolis, Ind.
Mfg. Co., metal polish, 6433 Ravenswood av, Chicago, Ill.
Uno Ventilator Co., "Uno" revolving ventilator mfrs., Cliftondale, Mass.
Unruh, E. N., contractor, Bradford, Pa.
Unsinger Razor Blade Co., Fremont, Ohio.
Untersee, F. Joseph, architect, 585 Boylston, Boston, Mass.
Unterbrink, Henry, contr., Alton, Ill.
Unzicker, B., brick, Peru, Ill.
Upchurch, W. J., lbr., Thomasville, Ga.
Updike, Eston, common brick, Charlotteville, Va.
Updike, J. B., & Co., lumber mfrs., Vincennes, Ind.
Updike Milling Co., flour, Omaha, Neb.
Upham & Agler, lumber mfrs., Throop S. of 22d, Chicago, Ill.
Upham, Chas. S., contr., Odell, Ill.
Upham & Stickney, architects, Cutler Bldg., Rochester, N. Y.
Upham, V. B., & Bro., rivet mfrs., 30 Hudson av, Brooklyn, N. Y.
Upholsterer, trade publication, 373 4th av, New York.
Upjohn Co., pharmaceuticals, Kalamazoo, Mich.
Upjohn, Hobart B., architect, 456 4th av, New York.
Upland Coal & Coke Co., Upland, Pa.
Upland Foundry & Machinery Co., Upland, Cal.
Upman, Frank, architect, Woodward Bldg., Washington, D. C.
Upright Shingle Co., Bellingham, Wash.
Upshaw Bros., fertilizer, Douglasville, Ga.
**UPSON CO.,** fibre boards, tile, wall boards, etc., Lockport, N. Y.
*See adv. index at end of book.*
Upson County Oil Mills, Thomaston, Ga.
Upson Nut Co., Cleveland, Ohio.
Upson-Walton Co. of N. Y. (The), cordage rope & twine mfrs.—wire, etc., 291 B'way, New York.
Upson-Walton Co., ship handlers, 1294 W. 11th, Cleveland, Ohio
Up-to-Date Advtg. Co., metal, wood, cardboard & muslin signs, rulers, yard sticks, thermometers, etc., Canisteo, N. Y.
Up-to-Date Mfg. Co., bank & office railings, arch'l iron, etc., Terre Taute, Ind.
Up-to-Date Tool Co., designers & builders of special machinery, 81 Wareham, Boston, 18 Mass.
*See adv. index at end of book.*
Upton Co., lumber mfrs., Charlotte, N. Y.
Upton, F. R., crushed stone, 9 Clinton, Newark, N. J.
Upton & Gilman Machine Co., Lowell, Mass.
Upton, H. Desmond, architect, 20 Broadway, New York.
Upton, Henry A., lumber, North Reading, Mass.
Upton, Louis M., architect, 452 Montgomery, San Francisco, Cal.
Upton Machine Co., machsts. & fndrs., St. Joseph, Mich.
Urania Lumber Co., Ltd., Urania, La.
Uraniumite Co. of Am., fndry. flues, 609 Main, Buffalo, N. Y.
Urban, C. Emlen, architect, Woolworth Bldg., Lancaster, Pa.
Urban Concrete Co., 30 E. 42d, New York.
Urban, Geo., Milling Co., flour, Buffalo, N. Y.
Urban, Henry, architect, 908 Price, Savannah, Ga.
Urbana Broom Co., Urbana, Ohio.
Urbana Canning Co., Urbana, Ohio.
Urbana Egg Case Co., Urbana, Ohio.
Urbana Packing Co., meat, Urbana, Ohio.
Urbana Tool & Die Co., cutting, Urbana, Ohio.
Urbauer-Atwood Htg. Co., 115 S. 11th, St. Louis, Mo.
Urick Foundry Co., Erie, Pa.
Urie-Snyder Iron Works Co., mining screens, Kansas City, Mo.
Uris, Abe, Iron & Steel Corp., 38 S. 8th, Brooklyn, N. Y.
Uris, Harris H., Iron Works, 521 W. 26th, New York.
Urmston-Shipley Lbr. Co., Moncks Corner, S. C.
Urquhart, J. B., architect, Columbia, S. C.
Urquhart's, Jno. S., Son & Co., mill & facty. supplies, 131 Liberty, New York.
Ursem, L. J., Art Shade Co., glass stainers, Columbia Bldg., Cleveland, Ohio.
U-Sav-Your Mfg. Co., auto. dressing & polish, Warren, Mass.
Usem Co., push buttons, 505 W. 42nd, New York
Ursery, L. C., turpentine, Graham, Ga.
Usona Mfg. Co., arch'l iron, 826 S. 18th, St. Louis, Mo.
Usona Mfg. Co., elec. lamp & lantern flashlights, Hudson, N. Y.
Usona Mfg. Co., sheet roofing fasteners, paints, etc., Aurora, Ill.
Utah Bedding & Mfg. Co., Salt Lake City, Utah.
Utah Canning Co., Ogden, Utah.
Utah Casket Co., Salt Lake City, Utah.
Utah Condensed Milk Co., Richmond, Utah.
Utah Contr. Co., Phelan Bldg., San Francisco, Cal.
Utah Construction Co., Ogden, Utah.
Utah Copper Co., miners, 25 Broad, New York
Utah Corrugated Culv. & Flume Co., Woods Cross, Utah.
Utah Fire Clay Co., Salt Lake City, Utah.
Utah Fuel Co., coal mine, Salt Lake City, Utah
Utah-Idaho Sugar Co., Salt Lake City, Utah.
Utah Machy. Co., mill & facty. supps., Salt Lake City, Utah.
Utah Oil Refining Co., petroleum & products, Salt Lake City, Utah.
Utah Packing & Prov. Co., meat, Salt Lake City, Utah.
Utah Potash Co., Trenton, N. J.
Utah-Salduro Co., potash, etc., Salt Lake City, Utah
Utah Soap Co., Salt Lake City, Utah.
Utahna Delevopment Co., clothes washing machs., 4254 Vista av, St. Louis, Mo.
Utecht, August, soap, South Stillwater, Minn.
Utermohle, G. A., & Co., burning brands, stamps, etc., 133 Cheapside, Baltimore, Md.
Utica Armature Works, Utica, N. Y.

Utica Bedding Factory, mattresses, Utica, N. Y.
Utica Brass & Machine Co., Fort Worth, Tex.
Utica Brass Works, fndrs., Utica, N. Y.
Utica Canning Co., Utica, N. Y.
**Utica Carbon & Wax Paper Co., ribbons & carbons, Utica, N. Y.**
Utica Cutlery Co., pocket knives, etc., Utica, N. Y.
Utica Drop Forge & Tool Co., nippers & pliers, Utica, N. Y.
Utica Duxbak Corp., sporting goods mfrs., Utica, N. Y.
Utica Fire Alarm Telegraph Co., Utica, N. Y.
Utica Fire Brick & Clay Co., Utica, Ill.
Utica Fire Sand Co., Utica, Ill.
Utica Gas & Electric Co., water gas tar, Utica, N. Y.
Utica Glass Co., Utica, Ohio.
Utica Heater Co., Utica, N. Y.
Utica Hydraulic Cement Co., Utica, Ill.
Utica Knitting Co., Utica, N. Y.
**Utica Novelty & Mill Spec. Co., textile machinery, Utica, N. Y.**
Utica Plumbing Supply Co., 328 Lafayette, Utica, N. Y.
Utica Sales & Specialty Co., envelope sealing machines, Utica, N. Y.
Utica Steam Engine & Boiler Works, Utica, N. Y.
Utica Steam & Mohawk Valley Cotton Mills, sheetings, Utica, N. Y.
Utica Valve & Fixture Co., gas meter cocks, Utica, N. Y.
Utica Willowvale Bleaching Co., cotton sheetings, Chadwicks, N. Y.
**Utility Battery Co., 123 W. Madison, Chicago, Ill.**
Utility Car Co., auto bldrs., Richmond, Ind.
Utility Co., polishes, soap, auto switches, plugs, etc., 636 W. 44th, New York.
**Utility Compressor Co., air tire pumps, 363 Harper av, Detroit, Mich.**
Utility Constr. Co., New Brunswick, N. J.
Utility Mfg. Co., carpet beaters, Sturgis, Mich.
Utility Mfg. Co., packing box mfrs., Goldsboro, N. C.
Utility Mfg. Co., tea strainers, 819 Granby, Baltimore, Md.
Utility Mfg. Co., wall scrapers, 11 N. 6th, Philadelphia, Pa.
Utility Shade Co., Tenafly, N. J.
Utility Stove & Range Co., Indianapolis, Ind.
Utley-Holloway Saw Mill Co., Inc., lbr., Clayton, La.
Utke, Julius E., contractor, Marinette, Wis.
Utility Tool & Die Co., jigs, etc., 2942 Monroe, Toledo, O.
Utter, W. H., & Son, smoked pipes, Olean, N. Y.
Uvalde Asphalt Paving Co., 1 Broadway, New York.
Uvalde Gin & Milling Co., flour, Uvalde, Tex.
Uvalde Rock Asphalt Co., Cline, Tex.
Uxbridge Cotton Mills, North Uxbridge, Mass.
Vac Liquid Equip. Co., Cedar Rapids, Ia.
Vacca Cosmo, concrete contr., Bristol, Conn.
Vacuo-Static Carbon Co., Rochester, N. Y.
Vacuum Ash & Soot Conveyor Co., Wilson av, Newark, N. J.
Vacuum Bait Co., North Manchester, Ind.
Vacuum Cotton Picking Mach. Co., St. Louis, Mo.
Vacuum Car Ventilating Co., 111 S. Jefferson, Chicago, Ill.
Vacuum Dyeing Mach. Co., textile, Chattanooga, Tenn.
Vacuum Glass Co., Lynn, Mass.
Vacuum Heating Co., Juniper & Cherry, Philadelphia, Pa.
Vacuum Oil Co., Rochester, N. Y.
Vacuum Soap Co., 180 Oxford, Philadelphia, Pa.
Vacuum Spec. Co., bottles, 200 5th av, New York.
Vacuum Washer Co., Ripon, Wis.
Vade, Louis H., architect, 220 S. Michigan av, Chicago, Ill.
Vaden Fertilizer & Supply Co., Gretna, Va.
Vadnais, E., & Sons, carriages, North Adams, Mass.
Vadnais, H. L., contractor, 22½ W. 7th, Salt Lake City, Utah.
Vahan Products Co., screw machine products, 73rd & St. Clair, Cleveland, Ohio.
Vail, Alva E. V., architect, Northfield, Minn.
Vail Bros., almond meal, 2344 N. 5th, Philadelphia, Pa.
Vail Cooperage Co., Ft. Wayne, Ind.
Vail, F. E., cornices & skylights, Bennington, Vt.
Vail Galvanizing Plant, 211 Commercial, Boston, Mass.
Vail, Morrison H., architect, Dixon, Ill.
Vail Rubber Co., 144 W. 27th, Chicago, Ill.
Vaile-Kimes Co., water motors, gauges, pumps, etc., Dayton, Ohio.
Vaile & Young, sheet metal work, Ridgely & Bush, Baltimore, Md.
Vajen Helmet Co., smoke helmets, Richmond, Ind.
Valders Canning Co., Valders, Wis.
Valders Lime & Stone Co., Valders, Wis.
Valecia Evaporated Milk Co., canners, Madison, Wis.
Valentine, Anthony P., Jr., architect, 212 High (Gtn.), Philadelphia, Pa.
Valentine, Chas. M., architect, 158 Summer av, Newark, N. J.
Valentine, Chas. W., architect, 428 Jefferson, Milwaukee, Wis.
Valentine-Clark Co., lumber, Security Bldg., Minneapolis, Minn.
Valentine & Co., crushed stone & sand, Asheville, N. C.
Valentine & Co., varnish mfrs., 456 Fourth av, New York.
Valentine, Eli, contractor, Ossining, N. Y.
Valentine, F. S., Co., contrs., Springfield, Mas..
Valentine, I. M., Mach. Co., Ozark, Ala.
Valentine, J. E., poles, Abilene, Kan.
Valentine, M. D., & Bro. Co., fire brick, Woodbridge, N. J.
Valentine, Thos. J., Jr., contractor, St. Mary's, Pa.
**Valentyne Mfg. Co., grain elevators, Minneapolis, Minn.**
Valerio, Francesco, contr., Stamford, Conn.
Valeur, H. O., & Co., architects, Phœnix Bldg., Muskogee, Okla.

Valhalla Co., chlorinators, 5332 B'way, Chicago, Ill.
Valier & Spies Milling Co., flour, Marine, Ill.
Valk & Murdock Co. See Charleston Dry Dock & Mach. Co. (successors)
Valkenburgh, E. P., architect, Middletown, N. Y.
Vallas, Wm. H., cornices, 2855 W. Lake, Chicago, Ill.
Valleau Mfg. Co., gold leaf, 506 Broome, New York.
Vallejo Carriage Wks., Vallejo, Cal.
Vallett, Henri, architect, 11 North av, New Rochelle, N. Y.
Valley Boat Co., motor boat bldrs., Saginaw, Mich.
Valley Camp Coal Co., bituminous, Rockefeller Bldg, Cleveland, Ohio
Valley Canning Co., Newberg, Ore.
Valley Cash Canning Co., Montvale, Va.
Valley City Desk Co., Grand Rapids, Mich.
Valley City Lbr. Co., Ltd., Thomaston, Mich.
**Valley City Mach. Wks., Grand Rapids, Mich.**
**Valley City Milling Co., flour, Grand Rapids, Mich.**
Valley City Welding & Mfg. Co., piston rings, Valley City, N. Dakota
Valley Constr. Co., North Yakima, Wash.
Valley Cornice & Slate Co., 314 N. Hamilton, Saginaw, Mich.
Valley Creek Lbr. Co., Rochester, N. Y.
Valley Forge Cutlery Co., 101 Duane, New York.
Valley Forging Co., Verona, Pa.
Valley Foundry & Machine Works, Fresno, Cal.
Valley Grey Iron Fdry. Co., Saginaw, Mich.
**Valley Iron Wks., 81 E. Water, St. Paul, Minn., and Williamsport, Pa.**
Valley Iron Works Co., machsts. & fndrs., Appleton, Wis.
**Valley Lumber Co., Phoenix, Ariz.; Reader, Ark., & 110 Market, San Francisco, Cal.**
Valley Meat Co., packers, Marysville, Cal.
Valley Mills Cotton Oil Co., meal, Valley Mills, Tex.
Valley Mould & Iron Corp., fndrs., Sharpsville, Pa.
Valley Packing Co., Lebanon, Ohio.
Valley Packing Co., meat, 3673 Colerain av, Cincinnati, Ohio.
Valley Paper Co., Holyoke, Mass.
Valley Plbg. & Supp. Co., mill & facty. supps., Brownsville, Tex.
Valley Shale Brick Co., Cleveland, Ohio.
Valley Shingle Co., Lowell & Mineral, Wash.
Valley Springs Milling Co., flour, Valley Springs, Ark.
Valley Star Stove Co., founders, glass house molds, 29th & B. & O. R. R., Wheeling, W. Va.
Valley Tie & Lumber Co., Staunton, Va.
Valley Waste Mills, cotton waste, La Grange, Ga.
Valley Woolen Mills, blankets (horse & cattle), Marlboro, N. H.
Valliant, E. S., & Son, fertilizer mfrs., Church Hill, Md.
Valliant, W. H., & Bros., canned gds., Bellevue, Md.
Vallonia Canning Co., Vallonia, Ind.
Vallowe Bros., masons' & bldrs.' matls., Homestead, Pa.
Valvatone Wood Needle Co., Kansas City, Mo.
Vanadium Corp. of Am., alloys, Equitable Bldg., New York
Valvoline Oil Co., 11 B'way, New York.
Valz Granite Co., Barre, Vt.
Van Ackeren Bros., flour, Cedar Rapids, Neb.
Vanadium Alloys Steel Co., die blocks, billets, etc., Latrobe, Pa.
Valve Bag Co. of America, 3431 Summit av, Toledo, Ohio
*See adv. index at end of book*
Vanadium Metals Co., Vanadium Bldg., Pittsburgh, Pa.
Van Aken, C. M., Cooperage Co., 141 B'way, New York.
Van Aken, Chas. H., Co., contractors, 148 W. 4th, New York.
Van Aken, Geo. J., contractor, Poughkeepsie, N. Y.
Van Alen Canning Corp., Ogden, Utah.
Van Alen & Co., nails, rolling mills, etc., Northumberland, Pa.
Van Alen, Wm., architect, 111 E. 40th, New York
Van Alstine, G. M., contractors, Ithaca, N. Y.
Van Alstyne Cotton Oil Co., meal, Van Alstyne, Tex.
Van Alstyne Roller Mills, flour, Van Alstyne, Tex.
Van Alstyne, Walter, & Co., contractors, Rockford, Ill.
Van Amringe Granite Co., 167 Tremont, Boston, Mass.
Van Amringe, Theo., & Son, emery & pumice stone importers, 81 Fulton, New York.
Van Antwerp, Dudley S., architect, 44 Church, Jersey City, N. J.
Van Arnam Mfg. Co., plumbers' supplies, Fort Wayne, Ind.
Van Arsdale, Wm., bridle bits, Racine, Wis.
Vanardsdell, R. S., flour mills, Vanardsdell, Ky.
Van Assche, F., architects, horticultural, 150 Fulton av, Jersey City, N. J.
Van Atta, E. B., & Co., hydraulic presses, Olean, N. Y.
Vanatta, Mrs. F. M., cornices, Boonville, Mo.
Vanatta, John C., contractor, Brookston, Ind.
Van Auken, Geo. H., architect, 1265 B'way, New York.
Van Auken Rice Corp., fuel economizers, Adams, N. Y.
Van Bebber Bros., machinists, Petaluma, Cal.
Van Bergen, Jno. S., architect, Caldwell Bldg., Oak Park, Ill.
Van Bergh Silver Plate Co., Rochester, N. Y.
**Van Blerck Motor Co., marine engines, 30 Church, New York.**
Van Bree, Arie, Sons, whol. hdwe., Grand Rapids, Mich.
Van Briggle Tile & Pottery Co., Colorado Springs, Colo.
Van Brocklin & Son, knitted gloves, Amsterdam, N. Y.
Van Brunt, A., & Co., archts., Reliance Bldg., Kansas City, Mo.
Van Brunt, C. P., Mfg. Co., sash, door & blind, Moscow, Pa.
Van Brunt, J. A., & Co., Inc., nails, wire & steel sheets, 114 John, New York
Van Brunt, J. C., & Sons, lumber, 291 Monroe, New York.
Van Brunt & Hartz, architects, Kansas City, Mo.
Van Brunt Mfg. Co., agricultural implements, Horicon, Wis.

n Brunt, R. B., buhr stones, 17 State, New York.
n Buren Bros., loose leaf devices, 673 W. Madison, Chicago, Ill.
n Buren, Charles, architect, Newark, N. Y.
n Buren, J. M., & Co., paper & pulp mills, Mellenville, N. Y.
n Buskirk & Bro., masons' & bldrs.' matls., Pottstown, Pa.
n Buskirk, H., architect, 110 W. 40th, New York
n Buskirk, John W., ladders, Lawrence, Mass.
n Camp, Geo., & Sons Co., canned goods, Westfield, Ind.
n Camp Hardware & Iron Co., 401 W. Maryland, Indianapolis, Ind.
n Camp & Newdigate, carriages, Mays Lick, Ky.
n Camp Packing Co., canned goods, Indianapolis, Ind.
n Camp Sea Food Co., canners, San Pedro, Cal.
ı Camp Varnish Co., 4476 E. 71st & Belt Line, Cleveland, O.
nce & Baker Mfg. Co., machsts. & fndrs., Muscatine, Ia.
nce, Charles H., architect, Westchester, Pa.
nce Contracting Co., 1st Nal. Bank Bldg., Birmingham, Ala.
nce, D. T., raw mica, Plumtree, N. C.
nce, E. J., Box Co. (Ltd.), Bay City, Mich.
nce, F. W., Co., canned goods, Columbia City, Ind.
nce, J. A., & Co., machinists, Winston-Salem, N. C.
nce, J. L., & Co., fertilizer mfrs., Chilhowie, Va.
ıce, J. W., & Co., whol. lbr., 214 Front, San Francisco, Cal
ıce, Jas. R., steam fitters' supplies & heaters, Geneva, N. Y.
ıce, John A., contr., Elmwood, Ill.
ıce, John C., Iron & Steel Co., whol. hdwe., Chattanooga, Tenn.
ıce, Jos. M., architect, 24 North, Pittsfield, Mass.
ıce-Lucke Co., heating contrs., 416 Home, Cincinnati, Ohio.
ıce Lbr. Co., Malone, Wash.
ıce, R. B., flour mills, Abingdon, Va.
ıce-Velter Co., traps, steam, Phipps Power Bldg., Pittsburgh, Pa.
ı Cleeck, E. L., architect, Santa Cruz, Cal.
ı Cleef Bros., hand soap, 7711 Woodlawn av, Chicago, Ill.
ı Cleef, Henry C., archt., 71 Livingston, Brooklyn, N. Y.
ıcouver Flour Mills Co., Vancouver, Wash.
couver Lbr., Vancouver, Wash.
couver Lbr. Co., Ltd. (Vancouver Cedar Mills, Ltd.), 343 S. Dearborn, Chicago, Ill.
ıda Co., packing mfrs., 25th & Madison av, New York.
ı Dalsem, W. S., architect, Danville, Ky.
ı Damme, T., architect, Mount Clemens, Mich.
ıdaveer, Jennings, Co., brick, Houston, Tex.
ı Dan, Elgen B. M., contr., East St. Louis, Ill.
ı De Carr Paper Co., Stockport, N. Y.
ı de Carr & Stacy, contractors, Hudson, N. Y.
ıderbeck & Sons, lbr., Green, Jersey City, N. J.
ıderbeek, Nelson K., architect, Englewood, N. J.
der Bent, T. J., architect, 101 Park av, New York
ıderberg Bros., contractors, 5802 Pemberton, Phila., Pa.
ıderbilt, Clarance A., silver nov., 132 W. 14th, New York.
derbilt, Cornelius, General Contr's. Co., West New Brighton, N. Y.
derbilt, E. D., Co., masons' & bldrs.' matls., Hoboken, N. J.
derbilt, Edw. W., ties, poles, etc., 126 Liberty, New York.
derbilt, R. T., Co., clay miners & shippers, 50 E. 42nd, New York.
derbilt Univ., engng. school & coll., Nashville, Tenn.
Deren Hardware Co., Lexington, Ky.
Derhoort Hdwe. Co., belt dressing, Lansing, Mich.
dergrift Box Co., crates, Vendergrift, Pa.
dergrift & Morris, bolts, nuts, machy. guards, Shelbyville, Ind.
der Heyden, Fred H., brick, Ionia, Mich.
derhoof Lime Co., Hamburg, N. J.
derhoof, Peter, & Sons, Co., contractors, 285 Broad, Newark, N. J.
lerhorst-Bellingham Co., architects, Kalamazoo, Mich.
Der Horst, Henry L., contrs., Kalamazoo, Mich.
derlip, H. E., & Co., steel struct. dlrs., 19 S. La Salle, Chicago, Ill.
derman Mfg. Co., machsts. & fndrs., pipe vises, Willimantic, Conn.
der Naillen's School of Engng., Sharon Bldg., San Francisco, Cal.
deroef, John J., & Son, masons' & bldrs.' matls., Montgomery, N. Y.
lerpool, Wm., auto jacks & tire vulcanizers, Springfield, O.
derslice-Stahmer Shoe Co., Davenport, Ia.
derveer, John, architect, Dubuque, Ia.
Dervoort Hdwe. Co., mill & facty. supps., Lansing, Mich.
Dervoort Supply Co., masons' & bldrs.' matls., Jamestown, N. Y.
lervort, John, machst., Laceyville, Pa.
derweil, Garret, contractor, Paterson, N. J.
lerwerf Co., contractors, 1738 E. 23d, Cleveland, Ohio.
Der West & Pease, architects, Muskegon, Mich.
Deusen, C. A., meat packers, Hudson, N. Y.
Deusen, H. M., Whip Co., Westfield, Mass.
Deusen, J. E., masons' & bldrs.' matls., Gowanda, N. Y.
Deusen & Baumberger, contrs., Greenville, Ill.
de Venter & Son, canned goods, Dundee, Mich.
levort, R. G., architect, Bellevue, Pa.
Dinter, Louis & Son, organs, Mishawaka, Ind.
llvort, Wm. M., machsts., Nowata, Okla.
Doorn Co., ornamental iron; grilles, etc., Quincy, Ill.

Van Doorn, Wallace, & Son, contractors, 229 W. 36th, New York.
Van Doren, E. I., electrical fixtures, Troy, N. Y.
Van Doren Roofing & Cornice Co., Seattle, Wash.
Vandoren, Wm. C., architect, Morristown, N. J.
Van Dorn Coupler Co., car couplers & ends, & draw-bar attachments, 2325 S. Paulina, Chicago, Ill.
Van Dorn & Dutton Co., gearing, 2978 Woodhill rd, Cleveland, Ohio.
Van Dorn Electric Tool Co., 2978 Woodhill rd, Cleveland, Ohio.
Van Dorn Iron Works Co., steel office furniture, facty equipt., etc., 2700 E. 79th, Cleveland, Ohio.
Van Dorp, L., cornices & skylights, Topeka, Kans.
Van Duvne, Orlin S., machsts., Boonton, N. J.
Van Duzen, E. W., Co., bell fndrs., pump mfrs., etc., 428 E. 2d, Cincinnati, Ohio.
Van Dyck, A. R., architect, McKnight Bldg., Minneapolis, Minn.
Vandyck Churchill Co., machy. dlrs., 85 Liberty, New York.
Van Dyck Panel Mfg. Co., car ceilings, Bound Brook, N. J.
Van Dyk & Co., amyl salicylate benzoyl chloride, synthetic oils, etc., 6 Platt, New York.
Van Dyke Smelting & Refining Wks., Inc., 94 Van Dyke, B'klyn, N. Y.
Vandyke Piano Mfg. Co., Scranton, Pa.
Vane-Calvert Paint Co., 1601 N. Broadway, St. Louis, Mo.
Van Emon, B. C., Elevators, Inc., 235 1st, San Francisco, Cal.
Vanes, Jno., Boiler Works Co., Brazil, Ind.
Van Expansion Bolt Mfg. Co., 53 W. Jackson blvd., Chicago, Ill.
Van Fleet Mfg. Co., machsts., Joliet, Ill.
Van Fossan, Jefferson P., contractor, Rockville, Ind.
Van Garrett, Jr., Esq., archt., Pasadena, Cal.
Vang Construction Co., Cumberland, Md.
Van Gel, John, & Sons, meat packers, 153 W. Russell av, St. Louis, Mo.
Van Gilder, Ralph Hayes, architect, Ocean City, N. J.
Vanguard Mfg. Co. See Motor Products Corp. (successors)
Van Guilder Double Wall Co., concrete bldg. machy., Wayne Bldg., Rochester, N. Y.
Van Gundy, J. A., contractor, Lancaster, Ohio.
Van Gundy & Thomas, masons' & bldrs.' matls., Rockfield, Ind.
Van Gunten, O., architect, 64 E. Van Buren, Chicago, Ill.
Van Guysling, W. H., architect, 1 Clinton sq, Albany, N. Y.
Van Horn & Loven, architects, 209 7th, Bismarck, N. D.
Van Horn, Oliver H., Co., Inc., machy. dlrs., mill & facty. supplies, 518 Camp, New Orleans, La.
Van Horn Shingle Co., Van Horn, Wash.
Vanhorne, D. A., & Co., plate glass, 311 Mt. Pleasant av, Newark, N. J.
Van Horne, Philip T., architect, Sterling, Ill.
Van Houten, A. B., & Son, contractors, Paterson, N. J.
Van Houten, E. J. S., burners, mantles, 96 Park pl, New York.
Van Houten, Ersskine, contractor, 201 E. 68th, New York.
Van Hoven, John H. H., metal & brass signs, 42 E. 9th, New York.
Van Hoy & Son, contractors, Loogootee, Ind.
Van Iderstine, C. C., contractor, Marquette, Mich.
Van Iderstine Co., tallow, Long Island City, N. Y.
Van Ingen, Hendrik, architect, Cutler Bk. Bldg., Rochester, N. Y.
Van John Range Co., 5th & Broadway, Cincinnati, Ohio.
Van Kannel Revolving Door Co., 250 W. 54th, New York.
Van Keulen & Winchester Lumber Co., Grand Rapids, Mich.
Van Keuren & Son, masons' & bldrs.' matls., 501 Passaic av, Newark, N. J.
Van Kirk, J. L., & Son, contractors, Canton, Ohio.
Van Kirk, John P., masons' & bldrs.' matls., Laporte, Ind.
Van Kirk, M. L., & Son, architects, Waterloo, N. Y.
Van Kirk, P. S., Co., contractors, Paterson, N. J.
Van Laak Mfg. Co., brooms, 3281 Harrison, San Francisco, Cal.
Van Laanen, Arnold, common brick, De Pere, Wis.
Van Landegend, G. A., cornices, Holland, Mich.
Van Landegend, Tyler, cornices, Holland, Mich.
Vanleer Bros., lumber, Brookville, Pa.
Vanleer, E. S., masons' & bldrs.' matls., Manasquan, N. J.
Van Leyen & Schilling, architects, Union Trust Bldg., Detroit, Mich.
Van Loon, F. W., contractor, Denckla Bldg., Philadelphia, Pa.
Van Maldern F., stone carvers, 5th & Jumonville, Pittsburgh, Pa.
Van Meter, G. W., architect, Wichita, Kansas.
Van Meter, W. W., contractor, New Orleans, La.
Vannatta, A. L., machst. & fndr., Columbia, Mo.
Van Natta Aluminum Wks., 920 W. 12th, Erie, Pa.
Van Nerta, George O., archt., Treasury Dept., Washington, D. C.
Van Ness, M. B., machinist, Welsh, La.
Van Ness Slate Co., tubs, 29 Camp pl, Newark, N. J.
Vanneste Bros., chicory mfrs., Capsac, Mich.
Vannevar, Edmund B., & Co., water closet mfrs., 85 Atlantic av, Boston, Mass.
Van Noorden, E., & Co., cornices & skylights, etc., 100 Magazine, Boston, Mass.
Van Norman Machine Tool Co., machine tool mfrs., Wilbraham av, Springfield, Mass.
Van Nort Carbon Brush Co., St. Louis, Mo.
Van Nostrand Saddlery Co., Muscatine, Ia.
Vannote Lumber Co., Point Pleasant, N. J.
Van Nouhuys Machine Works, Albany, N. Y.
Van Nuys, P. C., architect, Somerville, N. J.

Van Orden, Matthew Co., masons' & bldrs.' matls., Houghton, Mich.
Van Ormer, Roy H., architect, 7030 Franktown av, Pittsburgh, Pa.
Vanosdell, Clark, machinist & founder, Eldon, Mo.
Van Patten, C., contractor, Salem, Ore.
Van Pelt, Geo. H., cutting dies, 440 W. Huron, Chicago, Ill.
Van Pool Bros., contractors, Janesville, Wis.
Vanport Brick Co., fire, Farmers' Bank Bldg., Pittsburgh, Pa.
Van Pottery Co., domestic china, Trenton, N. J.
Van Rhienen Constr. Co., 353 40th, Milwaukee, Wis.
Van Riper Mfg. Co., mill & facty. supplies, Paterson, N. J.
Van Roden, Frank, contractor, Rutherford, N. J.
Van Ryn & De Gelleke, architects, Caswell blk, Milwaukee, Wis.
Van Sant-Houghton Co., contractors, 503 Market, San Francisco, Cal.
Van Sant, J. R., Construction Co., Dwight Bldg., Kansas City, Mo.
Vansant, Kitchen & Co., lumber mfrs., Ashland, Ky.
Van Sant, Robt. L., contrs., Fullerton Bldg., St. Louis, Mo.
Vansant, S. G., ship bldr., Atlantic City, N. J.
Van Schaack Bros. Chemical Works, oil (fuel), 3358 Avondale, Chicago, Ill.
Van Schaak, P., & Sons, whol. drugs, 118 W. Lake, Chicago, Ill.
Van Seetendael, Arthur J., archt., 15 N. B'way, Yonkers, N. Y. N. Y.
Van Sickel Co., lbr., Usina, Pa.
Van Sickle, W. B., heating contrs., 707 Frankfort av, Cleveland, Ohio.
Van Sicklen Co., speedometers, Elgin, Ill.
Vansicklen, W. D., architect, Tulsa, Okla.
Van Slyck, Chas. B., architect, Beacon, N. Y.
Van Slyke, F. J., & Son, machsts., Linesville, Pa.
Van Slyke-Woodruff & Muller, architects, Reynolds Bldg., Fort Worth, Tex.
Van Steen, J. H., Co., masons' & bldrs.' matls., Beatrice, Neb.
Vanstone, Walter, cornices, 2910 E. 18th, Kansas City, Mo.
Vantassel, R. H., feed & flour mills, Corry, Pa.
Van Tilburg Oil Co., lubrg., 2424 University av, S. E., Minneapolis, Minn.
Van Tine, G. N., masons' & bldrs.' matls., Caro, Mich.
Vantyne, Roland M., archt., Peyton Bldg., Spokane, Wash.
Van Valkenburg, L. D., pen clips, stationers' specialties, water filters, etc., Holyoke, Mass.
Van Vlandren, John, architect, 140 Market, Paterson, N. J.
Van Vleck & Goldsmith, architects, 111 5th av, New York.
Van Volkenburg, Forest D., architect, Kalamazoo, Mich.
Van Vorhies, A. A., & Co., horse collars, Sacramento, Cal.
Van Vorst, C. B., Co., mattresses, Los Angeles, Cal.
Van Wembke, H. F., carriages, Elgin, Ill.
Van Wagner, E. B., Mfg. Co., machsts. & fndrs., Fayetteville, N. Y.
Van Wagner, Geo. E. B., masons' & bldrs.' matls., Hyde Park, N. Y.
Van Wagoner-Linn Constr. Co., 1133 B'way, New York.
Van Wechten & Sons, mill & facty. supps., 96 John, New York.
Van Weelden, H., architect, Babylon, N. Y.
Van Wert Novelty Co., match safes, Van Wert Co.
Van Wie Pump Co., 715 W. Fayette, Syracuse, N. Y.
Van Winkle, J. A., Co., steamfitters' supps., 168 Main, Paterson, N. J.
Vant Woud Rubber Co., rubber bath sprays, 168 39th, Brooklyn N. Y.
Van Wyck & Stringham, buckwheat flour, Fishkill Plains, N. Y.
Van Zandt Gas Appliance Co., parlor gas grates, 4050 Olive, St. Louis, Mo.
Van Zandt Iron Wks., Fort Worth, Tex.
Valparaiso Univ. engng. schools & coll., Valparaiso, Ind.
Vapo-Cresoline Co., disinfectants, 62 Cortland, New York.
Vapor Heating Co., North American bldg, Philadelphia, Pa.
Vapor Regulator Co., temperature regulators, 3203 Columbia av, Philadelphia, Pa.
Vapor-Vacuum Heating Co., Otis Bldg., Philadelphia, Pa.
Vapor Valve Co., pneu. spray brushes, St. Louis, Mo.
Vare, Edwin H., contractor, Lincoln Bldg., Philadelphia, Pa.
Varian Bros., architects, 400 Oliver pl, New York.
Varian, Chester C., architect, 741 E. 232d, New York.
Varian & Varian, architects, Gas & Elec. Bldg., Denver, Colo.
Varick, Jno. B., Co., mill & facty. supplies, whol. hdwe., Manchester, N. H.
Variety Iron & Steel Work Co., steel plate work, etc., Hamilton av & E. 40th, Cleveland, Ohio.
Variety Iron Wks., grey iron castings, Seattle, Wash.
Variety Mfg. Co., fireproof doors, shutters, etc., 2958 Carroll av, Chicago, Ill.
Varley, Geo., & Sons, contractors, 29 Hudson, Newark, N. J.
Varn & Platt Co., canned goods, Savannah, Ga.
Varner, J. M., masons' & bldrs.' matls., Sasser, Ga.
Varney Elec'l. Supply Co., Indianapolis, Ind.
Varney Htg. & Mfg. Co., machsts., Leavenworth, Kans.
Varney, Isaac, & Sons Co., box shooks, Fall River, Mass.
Varney, N. E., miners' candlesticks, Denver, Colo.
Varney, Penn, architect, 25 Exch., Lynn, Mass.
Varney & Varney, architects, 70 Wabash Bldg., Detroit, Mich.
Varnum, Percy E., contractor, Lowell, Mass.
Varon, David I., architect, 150 Nassau, New York.
Varone Bros., contrs., 287 Davenport, Bridgeport, Conn.
Varrone, Crescent L., architect, Corona, N. Y.
Varwig Mfg. Co., electric pumps, 120 Opera pl, Cincinnati, O.
Vasconcellos & Sons, contractors, Jacksonville, Ill.
Vasil Steam Systems Co., Wash. Loan & Tr. Bldg., Washington D. C.
Vass Chemical Co., Danbury, Conn.
Vassar Knitting Wks., Bay City, Mich.
Vassas Freres, briar wood, 28 Front, New York.
Vassiloros Contr. Co., 154 Nassau, New York.
Vaughan & Bushnell Mfg. Co., hdwe. mfrs., 2114 Carroll av, Chicago, Ill.
Vaughan, H. C., Lbr. Co., Mobile, Ala.
Vaughan, H. G., contractor, 68 Post, San Francisco, Cal.
Vaughan & Kibbe, contractors, Springfield, Mass.
Vaughan, Louis, architect, Blair, Neb.
Vaughan Lbr. Co., San Antonio, Tex.
Vaughan Motor Wks., 475 E. Main, Portland, Ore.
Vaughan Novelty Mfg. Co., advertising specialties, 703 Fulton, Chicago, Ill.
Vaughan-O'Neil & Co., glass stainers, 82 Sudbury, Boston, Mass.
Vaughan Paint Co., Columbus & Big 4, Cleveland, Ohio.
Vaughn Foundry Co., Norwich, Conn.
Vaughn, J. T., boot counters, Haverhill, Mass.
Vaughn, L., Co., sash, door & blind mfrs., 1153 Westminster, Providence, R. I.
Vaughn Lbr. Co., Houston, Tex.
Vaughn Machinery Co., The, rubber & wire mill machinery, Cuyahoga Falls, Ohio *See adv. index at end of book*
Vaughn Mfg. Co., agricultural implements, Jefferson, Wis.
Vaughn, S. Hudson, architect, Atlantic City, N. J.
Vaughn Mfg. Co., agrl. implt. mfrs., Morris, Minn.
Vautrin, Peter J., contr., Galveston, Tex.
V. & D. Elec. Co., lamps, Franklin, Ohio.
Veach, J. M., Co., flour, Adairsville, Ga.
Veale Bros., contractors, Hazleton, Pa.
Veazie, W. D., & Co., lbr., West Thornton, N. H.
Vecco Co., talking mach. motors, 248 Boylston, Boston, Mass.
Vedovi, G. A., burlap impts., 29 B'way, New York.
Veeder & Brown, lumber mfrs., Schenectady, N. Y.
Veeder Mfg. Co., cyclometers, odometers, counters, speed counters, tachometers, etc., Sargent & Garden, Hartford, Conn.
Veedersburg Paver Co., Veedersburg, Ind.
Veerac Co., automobile bldrs., Anoka, Minn.
Veeser, Frank, archl. iron, 228 E. 150th, New York.
Vega Separator Co., Fostoria, Ohio.
Vegliante, Anton L., architect, Garfield, N. J.
Vehicle Spec. Co., washers, Hartford, Conn.
Vehicle Supply Co., neck yokes, Cairo, Ill.
Vehicle Top & Supply Co., 3414 Lindell av, St. Louis, Mo.
Veide, C. L., & Co., contractors, Pekin, Ill.
Veide, Roelfs & Co., whol. hdwe. & mill supplies, Pekin, Ill.
Veihmeyer & Lapish, stone products, 31st & Canal, Washington, D. C.
Veit, Herman, Inc., contr., 260 De Voe, Brooklyn, N. Y.
Veit Mfg. Co., interior finish mfrs., Grand Rapids, Mich.
Veitch, W. T., & Bro., contractors, Oakland, Cal.
Veithardt Steel & Metal Corp., 15 Park Row, New York.
Velie Carriage Co., Moline, Ill.
Velie Motors Corp., Moline, Ill.
Velte Foundry & Mach. Mo., Mars, Pa.
Veltengruber Bros., lumber, Frankenmuth, Mich.
Velvetta Mfg. Co., sweeping compounds, 142 N. 4th, Phila., Pa.
Venango Mfg. Co., machsts. & fndrs., Franklin, Pa.
Vendar Slate Co., Bangor, Pa.
Venderbush Co., exhaust & blow piping, Detroit, Mich.
Vendome Copper & Brass Works, Louisville, Ky.
Vendor Slate Co., Bangor, Pa.
Veness, J. A., Lumber Co., Winlock, Wash.
Veness, J. W., machinist & founder, Albert Lea, Minn.
Venetian Marble Mosaic Art Co., 211 Monroe, Detroit, Mich.
Venetian Mosaic & Granitoid Co., 2233 Clark av, St. Louis, Mo.
Venning, F. L., architect, 108 S. La Salle, Chicago, Ill.
Venn-Severin Machine Co., oil engines, 1317 W. North, Chicago, Ill.
Ventilating Closet Seat Co., Wausau, Wis.
Ventura Mfg. & Implement Co., machinists, Ventura, Cal.
Ventura Refining Co., 454 S. Spring, Los Angeles, Cal.
VERA CHEMICAL CO., rosin sizings, sal soda, soap powders & soda ash, Hopkins & Villard avs, N. Milwaukee, Wis.; Stoneham, Mass., & Burlington, Ontario, Can.
Verbeek, Harry, mfrs. to jobbers, plumbing, heating, steam fitters' supplies, engnrs.' & mill supplies, 208 N. Wells, Chicago, Ill.
Verd Cedar Co., lbr., Arlington, Wash.
Verdeckburg Iron & Wire Works Co., Denver, Colo.
Verdel, E. F., & Co., cornices & skylights, Memphis, Tenn.
Verdi Lumber Co., Verdi, Nev.
Verdigris Valley Vitrified Brick & Tile Co., Neodesha, Kans.
Verdin, Kappes & Verdin Co., dies, etc., Cincnnati, Ohio.
Verduin, Abraham, contractor, Paterson, N. J.
Verges, Fred., cornices, 2543 Vine, Cincinnati, Ohio.
Verhaegre, A., cornices, 564 Mt. Elliott, Detroit, Mich
Vermenlen, A. A., architect, 253 S. Broadway, Los Angeles, Cal.
Vermilion Malleable Iron Co., machsts. & fndrs., Hoopeston, Ill.
Vermillion, Wm., contractor, Newman, Ill.
Vt. Constr. Co., Burlington, Vt.

Farm Machine Co., Bellows Falls, Vt.
Hardware Co., Burlington, Vt.
Marble Co., Proctor, Vt.
Shade Roller Co., Burlington, Vt.
Snath Co., brass fndrs., Springfield, Vt.
Soapstone Co., griddles & foot warmers, Perkinsville, Vt.
Spool & Bobbin Co., Burlington, Vt.
Talc Co., Holyoke, Mass.
ner Coal & Coke Co., bituminous, Oliver Bldg., Pittsburgh, Pa.
ner Oil Co., Lattimore, N. C.
nier Mfg. Co., tanks, etc., Cedar Rapids, Ia.
nia, John, & Son Marble Co., stone producers, New Albany, Ind.
non, E. G., & Son, masons' & bldrs.' matls., Anderson, Ind.
non, L. R., architect, Aberdeen, Wash.
non Mach. Co., engine lathe mfrs., Worcester, Mass.
non Mfg. Co., horns (automobile), Los Angeles, Cal.
non Metal & Produce Co., pig lead, ingots, etc., 25 Beaver, New York.
non, S. E. & M., pads & tablets, 65 Duane, New York.
non, Watson, architect, Aberdeen, Wash.
ona Chemical Co., Newark, N. J.
ona Steel Castings Co., Pitsburgh, Pa.
ona Tool Works, Oliver Bldg., Pittsburgh, Pa.
plank, J. J., architect, Gary, Ind.
rone, L., scrap rubber, 209 Charlton, Newark, N. J.
sailles Sanitary Fibre Mills, cotton, Versailles, Conn.
soy, Irving R., architect & motor boat bldr., Morris Cove, New Haven, Conn.
steeg Brick Co., masons' & bldrs.' matls., 1027 Tillanook, Portland, Ore.
tical Condenser Co., Gerke Bldg., Cincinnati, Ohio.
tz, Geo. R., & Co., contractors, 1615 Nicollett av, Minneapolis, Minn
ville, A. J., contractor, Hancock, Mich.
y, A. O., contractor, Mason Bldg., Los Angeles, Cal.
y & Brown, architect, 70 E. 45th, New York
y, Samuel R. T., architect, 70 E. 45th, New York.
per Wood Mfg. Co., silos, Vesper, Wis.
ta Accumulator Co., rheostats, storage battery charging sets, 2100 Indiana av, Chicago, Ill.
a Coal Co., bituminous, Jones & Laughlin Bldg., Pittsburgh, Pa.
ta Gas Range & Mfg. Co., Chattanooga, Tenn.
tal Liquid Soap & Disinfectant Co., 1121 Pine, St. Louis, Mo.
tal Lumber & Mfg. Co., Knoxville, Tenn.
ter, J. W., architect, Washington, Pa.
ter & Son, architects, Mutual Sav. Bk. Bldg., Wheeling, W. Va.
ter, Stewart & Rossell Co., contractors, Washington, Pa.
terdahl, Karl, & Co., ice refrg. machy., 90 West, New York.
uvius Crucible Co., Swissvale, Pa.
uvius Lumber Co., Montgomery, Ala.
uvius Plow Works, machsts. & fndrs., Vesuvius, Va.
ze & Zuncker, meat packers & canned goods, 220 N. Green, Chicago, Ill.
er, C. B., cornices & skylights, Pensacola, Fla.
er, Frank J., stone, Jefferson City, Mo.
er, H. J., machst. & fndr., Jefferson City, Mo.
er Mfg. Co., filing cabinets, Rochester, N. Y.
er Mfg. Co., sash, door & blind, Stevens Point, Wis.
l Motor Car Co., 21 E. 111th, Chicago, Ill.
l, O. A., masons' & bldrs.' matls., 11820 S. Union av, Chicago, Ill.
ney Wire Die Works, wire die mfrs., 1 Union sq, New York.
assage Co., vibrators, 659 Wells, Chicago, Ill.
ator Instrument Co., fndrs., Chattanooga, Tenn.
plex Co., Inc., telegraph transmitters, 253 B'way, New York.
ry, Geo. S., machst., Lima, Ohio.
ek Tool Co., chisels, hammers, pliers, etc., 8701 Mt. Auburn av, Cleveland, Ohio
ers Construction Co., 280 W. 113th, New York.
ers & Sandlin, turpentine, Bakers Mills, Fla.
ery, John W., architect, Sibley Blk., Rochester, N. Y.
sburg Governor Co., Vicksburg, Mich.
or Animatograph Co., machinery, Davenport, Ia.
or-Balata & Textile Belting Co., belting mfrs., 38 Murray, New York.
or Brass Mfg. Co., machsts. & fndrs., 6813 Wade Park av, Cleveland, Ohio.
or Buggy & Auto Top Co., 2615 Pestalozzi, St. Louis, Mo.
or Caster Co., sliding furn., casters, Bridgeport, Conn.
or Chemical Works, acid phosphoric, etc., Fisher Bldg., Chicago, Ill.
or Combination Kitchen Boiler Co., range boilers, 4th & Washington, Oakland, Cal.
or Cooler Door Co., cold storage doors, chutes & hdwe., Hagerstown, Md.
or Cotton Oil Co., fertz. mfrs., Gaffney, S. C.
or Dryer Co., clothes dryers, Worcester, Mass.
or Electric Co., dynamos & motor mfrs., etc., 236 S. Robey, Chicago, Ill.
or Iron Supp. Co., steel jobbers, 4077 Park av, New York.
or Iron Works, Inc., 1106 Brook av, New York.
or Iron Works Co., 7th & Victor, St. Louis, Mo.
or Jar Co., 321 Monroe av, Detroit, Mich.

Victor Lamp Wks., nitrogen lamps, 507 Union pl, Union Hill, N. J.
Victor Lathe Co., 151 Lafayette, New York.
Victor Machine Works, St. Louis, Mo.
Victor Mfg. Co., machsts. & fndrs. & hdwe. mfrs., Newburyport, Mass.
Victor Mfg. Co., track jacks, Bloomfield, Ind.
Victor Mfg. Co., washing machines, Leavenworth, Kans.
Victor Mfg. & Gasket Co., 5750 Roosevelt rd., Chicago, Ill.
Victor Milling Co., flour, Victor, N. Y.
Victor Mills Co., flour, Morgantown, W. Va.
Victor-Monoghan Mills, cotton sheeting & shade cloth, Greenville, S. C.
Victor Motor Washing Machine Co., 11 W. 7th, Cincinnati, O.
Victor Preserving Co., Victor, N. Y.
Victor Rubber Co., Springfield, Ohio.
Victor Safe & Lock Div. The Safe Cabinet Co., Norwood, Cincinnati, Ohio
Victor Saw Wks., hack saw blades, Springfield, Mass.
Victor Sebelik & Sons, lbr., Ogema, Wis.
Victor Shaw Ring Traveler Co., 23 Sabin, Providence, R. I.
Victor Sporting Goods Co., Springfield, Mass.
Victor Spring Bed Co., 208 W. Robinson, Pittsburgh, Pa.
Victor Steel Co., 50 Broad, New York.
Victor Storage Battery Co., Rock Island, Ill.
Victor Stove Co., Salem, Ohio.
Victor Talking Machine Co., machsts., Camden, N. J.
Victor Tool Co., chuck & tap mfrs., Waynesboro, Pa.
Victor Truck Co., trucks & wheels, Johnsonburg, Pa.
Victor Typewriter Co., 47 W. 42nd, New York.
Victoria Bldg. & Contr. Co., 35 W. 39th, New York.
Victoria Button Works, 23 W. 30th, New York.
Victoria Lumber Co., Ltd., Shreveport, La.
Victoria Marble Co., Knoxville, Tenn.
Victoria Metal Co., mill & facty. supps., Richmond, Va.
Victoria Metal Co., machsts. & fndrs., Erie, Pa.
Victoria Mill Co., Milltown, Wash.
Victoria Paper Mills Co., Fulton, N. Y.
Victoria Plush Mills, Swarthmore, Pa.
Victoria Safe and Lock Co., Shreveport, La.
Victoria White Granite Co., quarriers of building reornamental granite, Milford, Mass.
Victory Chain & Mfg. Co., York, Pa.
Victory Mach. & Lbr. Co., Inc., Buffalo, N. Y.
Victory Mfg. Co., designers of special tools, dies, gauges, etc., York, Pa.
Victorsohn, Morris, iron, 199 3d, Jersey City, N. J.
Victorson Varnish Co., 100 William, New York.
Victrolene Company, automobile & furniture polish mfrs., 39 Pearl, Boston, Mass.
Vidalia Chemical Co., Vidalia, Ga
Viehe-Naess Ivar, architect, 64 E. Van Buren, Chicago, Ill.
Vielé, Blackwell & Buck, consulting engnrs., 49 Wall, New York.
Vienna Canning Co., Vienna, Ind.
Vienna Pearl Button Mfg. Co., 20 W. 27th, New York.
Vierengel, Mathew, bag making machy., 32 S. 6th, Brooklyn, N. Y.
Vierheilig, C. G., architect, Houseman Blk, Grand Rapids, Mich.
Vierkant, H. C., fire alarms, Tarrytown, N. Y.
Vierling Machine Co., Phipps Power Bldg., Pittsburgh, Pa.
Vierling Steel Works, 313 W. 23rd, Chicago, Ill.
Vietor, Wm. A., machst., Eureka, Cal.
Viett & Co., cornices, Rockville, Md.
Viflex Camera Co., Springfield, Mass.
Vigeant, Xavier, architect, 175 W. Jackson blvd., Chicago, Ill.
Vigo Am. Clay Co., hollow bldg. blocks, linings, drain tile, etc., Terre Haute, Ind.
Vigo Mining Co., coal mine, Dispensary Bldg., Terre Haute, Ind.
Vigo Tile & Brick Co., Vigo, Ohio.
Vignaux, W. A., contractor, Englewood, N. J.
Viking Elec. Co., 152 Chambers, New York.
Viking Iron Wks., Inc., 173 7th, Brooklyn, N. Y.
Viking Pump Co., Cedar Falls, Ia.
Viking Refrigerator & Mfg. Co., store & bar fixtures, 1305 Walnut, Kansas City, Mo.
Viking Shear Co., Erie, Pa.
Viking Sign Co., elec. illuminated signs, 527 Fifth av, New York.
Viking Tool & Mach. Co., jigs & fixtures, 249 44th, Bklyn, N. Y.
Vila, H. S., Color Co., aniline colors, 243 S. 2d, Phila., Pa.
Vilas Bros., floor finish, paint mfrs., etc., 717 S. 5th av, Chicago, Ill.
Vilas County Lbr. Co., Winegar, Wis.
Villa Rica Cotton Oil Co., Villa Rica, Ga.
Villanova Coll. of Technology, engng. schools & coll., Villanova, Pa.
Villaume Box & Lumber Co., Chicago & Ind. avs, & Walter, St. Paul, Minn.
Villinger Mfg. Co., machsts., Williamsport, Pa.
Villmont, P. S., & Co., elec. portables, 20 W. 22nd, New York.
Vilsack, Martin, Co., bridge railings, 3222 Penn av, Pittsburgh, Pa.
Vilter Mfg. Co., Corliss engines & refrigerating machinery, 1046 Clinton, Milwaukee, Wis. *See adv index at end of book*
Vim Motor Co., machsts., Sandusky, Ohio.
Vim Motor Truck Co., Market & 23d, Philadelphia, Pa.
Vinal, Arthur H., architect, 15 Exchange, Boston, Mass.
Vinal, Ralph S., landscape architect, 46 Cornhill, Boston, Mass.
Vincennes Bridge Co., steel structural works, Vincennes, Ind.

Vincennes Foundry & Machine Co., Vincennes, Ind.
Vincennes Galvanized Iron Works, cornices & skylights, Vincennes, Ind.
Vincennes Motor Mfg. Co., carbureters, Vincennes, Ind.
Vincent-Alward Co., bed & furniture springs, auto. seals, etc., Kenosha, Wis.
Vincent, F. J., cotton & jute felts, mattresses, etc., Little Falls, N. Y.
Vincent, G. E., lumber, Anacortes, Wash.
Vincent, Geo., mfr. victory vellum tracing paper, 422 E. 53rd, New York,
Vincent, H. G., contractor, Billings, Mont.
Vincent, M., machinist, Selma, Cal.
Vincent, R. E., architect, L. C. Smith Bldg., Seattle, Wash.
Vincent Steel Process Co., case hardening, tempering to order, etc., 751 Bellevue av, Detroit, Mich.
Vincent Stone Co., Albion & Hulberton, N. Y.
Vincent, W. C., & Son, masons' & bldrs.' matls., brick, Harrison, Ohio.
Vincent-Wolters Co., hardware (whol.), Manistee, Mich.
Vindex Elec. Mfg. Co., machsts., Aurora, Ill.
Vinegar Bend Lumber Co., Vinegar Bend, Ala.
Vinegrove Lumber Co., Vinegrove, Ky.
Vineland Flint Glass Works, glassware, Vineland, N. J.
Vineland Scientific Glass Co., glassware, Vineland, N. J.
Viner & Sons, organs, 1371 Niagara, Buffalo, N. Y.
Viney, B. C., architect, Longmont, Colo.
Vinson Contr. Co., 203 Indiana, Washington, D. C.
Vinson, J. A., lbr., Clayton, N. C.
Vinton Canning Co., Vinton, Ia.
Vinton Colliery Co., bituminous, coal mine, 50 E. 42nd, New York
Vinton Co., contractors, Vinton Bldg., Detroit, Mich.
Vinton & Lyons, contrs., Uniontown, Pa.
Vinton, Wm. H., & Son, paper & pulp mills, Brattleboro, Vt.
Vinyard Ship Building Co., Milford, Del.
Viola Milling Co., flour, Viola, Tenn.
Vioray Mfg. Co., therapeutic lamps, 915 Whitlock av, New York.
Vipond Coal Co., masons' & bldrs.' matls., Altoona, Pa.
Vipond, John S., contractor, Altoona, Pa.
Virden Co., chandelier chains, Ashland rd & Longfellow, Cleveland, Ohio.
Virgin, J. M., & Son, rattan furniture, Saco, Me.
Virgin, Wm. E., contractor, Concord, N. H.
Va Barrel Co., cooperage stock, Winchester, Va.
Va. Brick Co., Arlington & Suffolk, Va., & Colorado Bldg., Washington, D. C.
Va. Bridge & Iron Co., machsts., fdrs., & steel structural work, Roanoke, Va.,
Va. Can Co., Buchanan, Va.
Va.-Carolina Hardware Co., 1332 E. Main, Richmond, Va.
Va.-Carolina Supply Co., plumbers' supp., jobbers, Norfolk, Va
Va.-Carolina Tie & Wood Co., lumber mfrs., Norfolk, Va.
Va. Consolidated Milling Co., flour, cotton sheetings, canvas, etc., Petersburg, Va.
Va. Elec. & Mach Wks., elec. & mining supplies, Charleston, W. Va.
Va. Electrolytic Co., ferro-tungsten, ferro-chrome, etc., 51 E. 42nd, New York.
Va. Excelsior Co., Fredericksburg, Va.
Va. Forging & Mfg. Co., bronze forgings, Richmond, Va.
Va. Fdry. & Mach. Co., Virginia, Minn.
Va. Hardwood Lbr. Co., Waiteville, W. Va.
Va. Iron, Coal & Coke Co., blast furnaces, Roanoke, Va.
Va. Iron & Metal Co., machsts., 7th & Semmes, Richmond, Va.
Va. Leather Co., belting mfrs., Richmond, Va.
Va. Lumber & Box Co., shooks, Petersburg, Va.
Va. Lumber & Mfg. Co., masons' & bldrs.' matls., Roanoke, Va.
Va. Machinery & Well Co., machinery dealer, 1319 E. Main, Richmond, Va.
Va. Mfg. Co., paper dishes, plates, etc., Suffolk, Va.
Va. Mills, flour, Suffolk, Va.
Va. Ore Mining Co., Fidelity Bldg., Duluth, Minn.
Va. & Pittsburgh Coal & Coke Co., Fairmont, W. Va.
Va. Portland Cement Co., Allentown, Pa.
Va. & Rainy Lake Co., lbr., Virginia, Minn.
Va. Realty & Constr. Co., Inc., 1422 W. Gary, Richmond, Va.
Va. Roofing & Cornice Co., Virginia, Minn.
Va. School Supply Co., heating system, 2000 Marshall, Richmond, Va.
Va. Shipbuilding Corp., Alexandria, Va.
Va. Trunk & Bag Co., Petersburg, Va.
Va. Wagon Co., South Boston, Va.
Va. Woolen Co., woolen flannels, Winchester, Va.
Virginian Elec. & Mach. Wks., trolley line matls., Charleston, W. Va.
Virkler, A. G., machst. & fndr., Lowville, N. Y.
Virtue & Pound Co., auto. & transmission gears, Owatonna, Minn.
Visco Motor Oil Co., soap, lubricating oils, 2104 Superior av, N. W., Cleveland, Ohio.
Viscol Co., belt dressing, oils, etc., Cambridge, Mass.
Viscoloid Co., Leominster, Mass.
Viscosity Oil Co., lubrg., 1101 W. 37th, Chicago, Ill.
Visigraph Typewriter Co., 37 W. 116th, New York.
Visor Knitting Mills, sweaters, cardigans, etc., Niagara Falls, N. Y.
Visscher, Theo. C., archit., 363 Lexington av, New York
Visser, John, architect, Twin Falls, Idaho.
Vissering, Harry, & Co., sand htrs., 14 E. Jackson blvd, Chicago, Ill.
Vissman, C. F., & Co., meat packers, Louisville, Ky.
Vitagraph Co. of Am., films, E. 15th, Brooklyn, N. Y.
Vital Mfg. Co., spark plugs & vacuum cleaners, 7500 Quincy av, Cleveland, Ohio.
Vitale Brinckerhoff & Geiffert, landscape architects, 527 5th av, New York
Vitale & Rothery, architects, 527 5th av, New York.
Vitanola Talking Machine Co., 501 W. 35th, Chicago, Ill.
Viticoute, John B., architect, Lawrence, Mass.
Vito, A., Constr. Corp., Thompson, Conn.
Vitreous Enameling Co., Grant av, Cleveland, Ohio. *See adv index at end of book*
Vitrified Wheel Co., emery wheel mfrs., Westfield, Mass.
Vitrifyx Co., concrete hardeners & waterproofing matls., 133 W. Washington, Chicago, Ill.
Vitro Mfg. Co., coloring oxides, Bessemer Bldg., Pittsburgh, Pa.
Vitrolite Co., Chamber of Commerce, Chicago., Ill.
*See adv. index at end of book*
Vitrolite Construction Co., Caswell blk, Milwaukee, Wis., 1490 Mission, San Francisco, Cal.
Vitzthurn, K. M., & Co., architects, 21 E. Van Buren, Chicago, Ill.
Vivarttas, Percie A., architect, 110 4th, Weehawken, N. J.
Vivian, Clinton L., architect, 120 E. State, Ithaca, N. Y.
Vixen Tool Co., Vixen files, 858 Summer av, Newark, N. J.
Vodrey Pottery Co., East Liverpool, Ohio.
Vodrie, H. B., Sheet Metal Wks., cornices & skylights, San Antonio, Tex.
Voegele Bros., masons' & bldrs.' matls., Mansfield, Ohio.
Voelker, Geo. W., & Co., textile machy. supplies, Woonsocket, R. I.
Voelker & Groff, brick, Winona, Minn.
Voelker, John Ph., architect, 979 3d av, New York.
Voelker, Philip L., mill brushes, 2 Bucklin, Providence, R. I.
Voelz, Henry W., architect, 86 Michigan, Milwaukee, Wis.
Vogan, J. P., sucker rods, Franklin, Pa.
Vogel, Adolph, contractor, West Orange, N. J.
Vogel & Binder Co., sash, door & blind mfrs., Rochester, N. Y.
Vogel, Chas., architect, 133 16th, Newport, Ky.
Vogel & Franchi, machsts., Fort Lee, N. J.
Vogel, H. G., Co., sprinklers, 487 B'way, New York.
Vogel, Jacob, & Son, meat packers, 2604 Colerain av, Cincinnati, Ohio.
Vogel, Jos., & Co., anti-freezing & school water closets, 1203 Lombard, Wilmington, Del.
Vogel, Joshua H., architect, 516 Pacific Bl., Seattle, Wash.
Vogel, P. A., & Sons, mill & facty., plumbers' & steamfitters' supplies, 121 W. Main, Louisville, Ky.
Vogel, R., machsts., New Rochelle, N. Y.
Vogel, W. H., cornices, Cape Girardeau, Mo.
Vogel, Wm., models, etc., 68 Nassau, New York.
Vogel, Wm., & Bros., disinfectant machy., metal novelties & specialties, etc., 37 S. 9th, Brooklyn, N. Y.
Vogelgesang Furnace Co., water htrs., Columbus, Ohio.
Vogelmeier Bros., brick, Newark, Ohio.
Vogelsang Bros. Construction Co., Cape Girardeau, Mo.
Vogely & Todd, carriages, Nashville, Tenn.
Voggenthaler, E. J., Co., iron & steel structl. wk., Dubuque, Ia.
Vogl Tool Co., 912 E. 19th, Kansas City, Mo.
Vogt, Alfred H., concrete steel constr., 185 Stevenson, San Franscisco, Cal.
Vogt Bros. Mfg Co., pumps, ice & refrigeration machy., Louisville, Ky.
Vogt Bros. & Squier Co., machsts., 3101 Ludlow, Phila., Pa.
Vogt, Fred G., & Sons, meat packers, 30th & Race, Phila., Pa.
Vogt, Geo. J., cornices, 305 E. 60th, New York.
Vogt, Henry, Machine Co., Inc., ice machy., Louisville, Ky.
Vogt Mfg. & Coach Lace Co., Rochester, N. Y.
Vogt, Oscar G., architect, Home Life bldg., Washington, D. C.
Vogt, Peter A., Mfg. Co., refrigerators, filing cabinets, 24 Evans, Buffalo, N. Y.
Vogt, W., & Son, contractors, Massillon, Ohio.
Vogt's, Wm., Sons, brick, Erlin, Ohio.
Voigt, B., flint pebbles & linings, 154 Nassau, New York.
Voigt, C. H. (Est. of), sash, door & blind mfrs., Hicksville, N. Y.
Voigt, F., carriages, La Crosse, Wis.
Voigt, Herman, contractor, 1251 N. 28th, Philadelphia, Pa.
Voigt Milling Co., flour, Grand Rapids, Mich.
Voigt, S. S., architect, Fourth Natl. Bldg., Wichita, Kans.
Voigt, Starr & Co., whol. hdwe., 58 Warren, New York.
Voigtlander & Sohn, lenses, 240 E. Ontario, Chicago, Ill.
Voigtmann & Co., 445 W. Erie, Chicago, Ill.
Voight, Edw., willow ware mfrs., 725 N. 2nd, Phila., Pa.
Vogue Motor Car Co., Tiffin, Ohio
Voith, J. M., Co., Inc., paper mill machy. & rotary screens, 200 5th av, New York.
Voland & Sons, assay balances, New Rochelle, N. Y.
Volcano Torch & Mfg. Co., blow torches, 237 E. 22d, Erie, Pa.
Volckening, W. H., architect, 53 W. 39th, New York
Volger, B. G., Mfg. Co., inks, stamp pads, Passaic, N. J.
Volk, Albert A., Co., contractors, 16 Beaver, New York.
Volk, Jacob, Housewrecking Co., 103 Park av, New York.
Volk, John, & Co., contrs., plate glass, etc., Rock Island, Ill.

k Stamp & Stencil Co., baggage checks, 115 Griswold, Detroit, Mich.
scar Storage Battery Co., 220 E. 25th, Chicago, Ill.
ker, Wm., & Co., window shade mfrs., N. W. cor. 3d & Main, Kansas City, Mo.
xman & Hancock, architects, Eau Claire, Wis.
xmar Kilns, potteries, Metuchen, N. J.
brecht & Olsen, stone, 753 S. Canal, Milwaukee, Wis.
enweider, J., cornices, 1506 Penna. av, Baltimore, Md.
mer, C. A., architect, 347 Madison av, New York
mer, P. S., masons' & bldrs.' matls., Harrison Bldg., Philadelphia, Pa.
rath Co., sinks & trays, Sheboygan, Wis.
weiler, F., architect, 1612 B'way, Brooklyn, N. Y.
weiler, Hy., architect, 696 Bushwick av, Brooklyn, N. Y.
op & Fritz, contractors, 445 Sanders, Indianapolis, Ind.
amp Elec. Mfg. Co., dynamo & motor mfrs., 407 N. Paca, Baltimore, Md.
ax Co., compounds, Bridgeport, Conn.
ermann, F. H., cooperage stock, Brownsville, Tenn.
z Bros., auto. bldrs., 840 S. Halsted, Chicago, Ill.
z Mfg. Co., machsts. & fndrs., St. Joseph, Mo.
nteer Firemen Signal Co., fire alarms, Minneapolis, Minn.
, Charles, architect, 2 W. 45th, New York.
, Hans C., architect, 373 Fulton, Brooklyn, N. Y.
Baur, C. H., elec. furnaces, 233 Broadway, New York.
Cleff & Co., whol. hdwe.—saw sets, 105 Duane, New York.
Hofe, Edw., & Co., fishing tackle mfrs., 112 Fulton, New York.
Hofe, Julius, fishing reels, 351 S. 5th, Brooklyn, New York.
Arx, Geo. W., archt., 75 Montgomery, Jersey City, N. J.
Behren Mfg. Co., lumber mfrs., Evansville, Ind.
Buhren, Geo., plate glass, 9 Baxter, New York.
der Au & Cluss Mfg. Co., arch'l iron, 2404 S. Jefferson av, St. Louis, Mo.
ler Horst, Jos., architect, Celina, Ohio.
lersmith, Harry M., machsts. & fndrs., Lancaster, Pa.
Fielde, Wm., architect, Middle Village, Long Island, N. Y.
Gerichten Art Glass Co., 557 S. High, Columbus, O., & 52 Morningside av, New York.
Herbulis, A. O., architect, Falls Church, Va.
Hoffman, Ferdinand, landscape architect, 1118 Tinton av, New York.
Holst, H. V., architecst, 72 Wadams, Chicago, Ill.
Kokeritz, R. G., & Co., box fasteners, 114 Liberty, New York.
iegut & Bohn, architects, Indiana Trust Bldg., Indianapolis, Ind.
iegut Hardware Co., 120 E. Washington, Indianapolis, Ind.
egut Machy. Co., machine shop equipment, woodworking machinery, etc., Indianapolis, Ind.
re Flouring Mills, Vonore, Tenn.
Phul, Gilbert D., sugar machy. constr., Hibernia Bank Bldg., New Orleans, La.
Platen & Dick Co., sash, door & blind mfrs., 2248 W. Kinzie, Chicago, Ill.
Platen, Geo., lumber, Boyne City, Mich.
Platen Lumber Co., Iron Mountain, Mich.
Stade, F. W., bristles, 73 Beekman, New York.
Thaden & Meyer, whol. hdwe., 73 Murray, New York.
iee, F. A., Constr. Co., Alton, Ill.
hees, A. C., contractor, Trenton, N. J.
hees, F. D., architect, Central Bk. Bldg., Oakland, Cal.
hees, J. S., & Co., masons' & bldrs.' matls., Baldwinsville, N. Y
hees Rubber Mfg. Co., 18 Bostwick av, Jersey City, N. J.
hees, V. W., architect, Eitel Bldg., Seattle, Wash.
is, C. A., Constr. Co., Hackensack, N. J.
& Son, contr., Peoria, Ill.
O. Press Co., Dry Harbor, Glendale Station, L. I., N. Y.
s, F. C., rye & buckwheat flour, Brookton, N. Y.
old Wall Paper Co., Kennedy & Garden, Philadelphia, Pa.
, Norman S., architect, S. & L. Bldg., Des Moines, Ia.
x Mfg. Co., paper cups, 421 N. Western av, Chicago, Ill.
x Mfg. Co., paint mfrs., spraying machy. & floor finish, V. 77th, Cleveland, Ohio
irgh, E. A., soap, 925 S. 5th av, Chicago, Ill.
irgh Min. Lamp Co., 289 Valley rd, West Orange, N. J.
ry, C. Edward, architect, Savings Bk. Bldg., Binghamton, Y.
& Sons Piano Co., 160 Boylston, Boston, Mass.
Spring Co., 150 Bleecker, New York.
ll-Percy Constr. Co., C. of C. Bldg., Rochester, N. Y.
ll, J. C., & Son, buckwheat flour, Camden, Del.
, Foelsch & Sidio, marble interior work, 61 Mills, Astoria, ong Island, N. Y.
lutton Mfg. Co., harness, Little Rock, Ark.
Bros. Mfg. Co., agricultural implements, Davenport, Ia.
E. H., contractor, 339 Huron, Toledo, Ohio.
Frank, lumber mfr., Newport, Ky.
Fred'k, iron furring, railings, wire cloth, etc., 552 W. onroe, Chicago, Ill.
H. F., Co., Inc., canned gds. 326 Park av Brooklyn, N. Y.
Herman, Co., advtg. spec., 603 E. Water, Milwaukee, Wis.
John M., contractor, Yonkers, N. Y.
& Lauritzen, architects, 65 De Kalb av, Brooklyn, N. Y.
Co., folding paper boxes, Albany, N. Y.

Votey Organ Co., 29 W. 42d, New York.
Votteler, Henry J., & Son, organs, 37 Arcade, Cleveland, Ohio.
Vought, H. H., & Co., contractors, Grand Central Terminal, New York.
Vought Milling Co., flour, Paxinos, Pa.
Vought & Williams, iron & steel mers., 365 Greenwich, New York.
Vredenburgh, Peter, Lumber Co., masons' & bldrs.' matls., Springfield, Ill.
Vredenburgh Sawmill Co., Vredenburgh, Ala..
Vredenburgh, W. W., kitchen cabinets, 617 Sackett, Brooklyn, N. Y.
Vreeland, B. F., cross arms & insulated pins, Denver, Colo.
Vreeland, Chas., & Co., machsts., Paterson, N. J.
Vreeland, J. J., Jr., architect, Dover, N. J.
Vroman, J. E., Co., contrs., Town of Union, N. J.
Vroom Bros. Co., bldg. contrs., 333 Union, Lynn, Mass.
Vrooman, C. H., architect, Patchogue, N. Y.
Vrooman, S. B., Co. (Ltd.), lumber, 1133 Beach, Phila., Pa.
Vrooman's, J. V., Sons Co., cornices, Schenectady, N. Y.
Vrydagh, J. G., architect, 10 N. 6th, Terre Haute, Ind.
Vrydagh, Robert T., architect, McKeen blk, Terre Haute, Ind.
Vrydaugh & Wolfe, architects, 347 5th av, Pittsburgh, Pa.
Vuille, Chas. A., hydrometers, Huntingdon, Pa.
Vujech, J., contractor, Collinsville, Ill.
Vulcan Asbestos Mfg. Co., packing mfrs. 95 Broad, New York.
Vulcan Brass Mfg. Co., cocks, faucets & valves, 24 Noble Ct, Cleveland, Ohio.
Vulcan Brass Works, Allentown, Pa.
Vulcan Brazing & Machine Co., oxy-acetylene welding, 1630 Vine, Philadelphia, Pa.
Vulcan Brick Works, Vulcan, Mich.
Vulcan Copper Works Co., 120 Sycamore, Cincinnati, Ohio
Vulcan Crucible Steel Co., Aliquippa, Pa.
Vulcan Detinning Co., Sewaren, N. J.
Vulcan Elec. Heating Co., melting pots, 107 W. 13th, New York.
Vulvan Gas Engine Works, 1827 Bainbridge, Philadelphia, Pa.
Vulcan Engineering Sales Co., 1764 Elston av, Chicago, Ill.
Vulcan Fuel Economy Co.,, 828B Transportation Bldg., Chicago, Ill.
Vulcan Hardware Co., sheet metal gauges, Carlstadt, N. J.
Vulcan Hardware Co., Springfield, Ohio.
Vulcan Iron & Tool Works, Los Angeles, Cal.
Vulcan Iron Works, iron & steel founders engines & mining machy., 1739 Main, Wilkes-Barre, Pa.
**VULCAN IRON WORKS,** boilers, engines, tanks, mach., etc., Hudson & Essex, Jersey City, N. J.
Vulcan Iron Works, machy., 1849 Kearny, San Francisco, Cal.
Vulcan Iron Works, machsts. & fndrs., & mill & facty. supps., Cairo, Ill., & Memphis, Tenn.
Vulcan Iron Works, pile driver fittings, etc., 327 N. Irving av, Chicago, Ill.
Vulcan Iron Works Co., Denver, Colo., & Mason City, Ia.
Vulcan Louisville Smelting Co., 208 S. La Salle, Chicago, Ill.
Vulcan Mfg. Co., speaking tubes, 3140 S. Canal, Chicago, Ill.
Vulcan Mfg. Co., steel structural work, Fond Du Lac, Wis.
Vulcan Mfg. Co., tubular boilers, Seattle, Wash.
Vulcan Plow Co., Evansville, Ind.
Vulcan Rail & Constr. Co., 35 Meserole av, Brooklyn, N. Y.
Vulcan Refractories Co., brick, Bolivar, Pa.
Vulcan Rubber Co., Erie, Pa.
Vulcan Sheet Metal & Mfg. Co., exhaust piping, smoke flues, etc., 45 Fulton, New York.
Vulcan Soot Cleaner Co., Du Bois, Pa.
Vulcan Steam Forging Co., 251 Rano, Buffalo, N. Y.
Vulcan Supply Co., mill & facty. supplies, 120 Sycamore, Cincinnati, Ohio.
Vulcan Tool Co., dies, etc., 418 E. First, Dayton, Ohio.
Vulcan Tool Mfg. Co., Quincy, Mass.
Vulcanite Portland Cement Co., Land Title Bldg., Phila., Pa.
Vulcanized Rubber Co., hard rubber mfrs., 251 4th av, New York.
Vulvan Last Co., Portsmouth, Ohio.
Vuono Constr. Co., 303 Main, Stamford, Conn.
Vuytech, J., contr., Collinsville, Ill.
V. V. Fittings Co., junction boxes, lamp guards, 1906 N. 6th, Philadelphia, Pa.
Waage Elec. Co., sad & soldering irons, cooking apparatus, 12 S. Jefferson, Chicago, Ill.
Waban Webbing Co., 683 Atlantic av, Boston, Mass.
Wabash Cabinet Co., Wabash, Ind.
Wabash Canning Co., Wabash, Ind.
Wabash Construction Co., Wabash, Ind.
Wabash Foundry Co., Wabash, Ind.
Wabash Gear Works, auto. clutches, Terre Haute, Ind.
Wabash Mfg. Co., machsts., coaster wagons, Terre Haute, Ind.
Wabash Portland Cement Co., 1824 Ford Bldg., Detroit, Mich.
Wabash Screen Door Co., 72 W. Adams, Chicago, Ill.
Wabash Truss Hoop Co., Mount Carmel, Ill.
Wabasha Roller Mill Co., flour, Wabasha, Minn.
Waberaki Bros., bags & suit cases, 6 Barbara, Newark, N. J.
Wabers Mfg. Co., machsts. ,agric'l implmts., Racine, Wis.
Waccamaw Lumber Co., Bolton, N. C.
Wacco Supply Co., steam fitters' supplies, 30 Marginal, East Boston, Mass.

Wachendorff, E. C., architect, Chamber of Commerce Bldg., Atlanta, Ga.
Wachovia Mills, flour, Winston-Salem, N. C.
Wachs, E. H., Co., machsts., 1525 Dayton, Chicago, Ill.
Wachsmuth Lbr. Co., Bayfield, Wis., & 2201 Lafiin, Chicago, Ill.
Wachtel Calendar & Nov. Co., advtg. novelties, 1345 S. Floyd, Louisville, Ky.
Wachtel, J., fertilizer mfrs, Southern av, Indianapolis, Ind.
Wachter, Emil, & Son, Hdwe. Co., 1402 S. B'way, St. Louis, Mo.
Wachter, H. W., architect, Close Bldg., Toledo, Ohiio.
Wachter, Henry F., architect, Peru, Ill.
Wachusett Thread Co., Worcester, Mass.
Wackerman, Albert, cornices, 859 Church la, Philadelphia, Pa.
Waclark Wire Co., 20 Exch. pl, New York.
Waco Canning Co., Waco, Ky.
Waco Machinery & Supply Co., Waco, Tex.
Waco Mattress Factory, Waco, Tex.
Waco Mill & Elevator Co., flour, Waco, Tex.
Waddell Co., coffee mills, Greenfield, Ohio.
Waddell Mfg. Co., wood carvers, ornaments, mouldings, etc., Grand Rapids, Mich.
Waddell, R. J., & Co., color mfrs., steel wool, pumice stone, etc., 52 Beekman, New York.
Waddell-Williams Lbr. Co., Rhoda, La.
Waddey, Everett, Co., pads, 1105 E. Main, Richmond, Va.
Waddington & Holme, canned goods, Naylors, Va.
Waddington, R., & Son, contractors, Hoboken, N. J.
Wade American Tool Co., bench lathes, pinion cutters, profiling machy.. & bench propeller mfrs., 311 Atlantic av, Boston Mass.
Wade & Bell, lumber, Trenton, Fla.
Wade Bros. Const. Co., contrs., 325 N. Shady, St. Louis, Mo.
Wade Button Co., 55 Sudbury, Boston, Mass.
Wade, C. G., architect, 399 Church, Milwaukee, Wis.
Wade, G. W., cornices & skylights, North Yakima, Wash.
Wade Iron Sanitary Mfg. Co,, catch basins, traps, valves, etc., 551 Fulton, Chicago, Ill.
Wade Lbr. Co., Eugene, Fla.
Wade Mach. Co., 817 Albany, Boston, Mass.
Wade Mfg. Co., auto. binding & gimps, Brockton, Mass.
Wade, R. M., & Co., drag sawing machy., 322 Hawthorne av Portland, Ore.
Wadel-Connally Hardware Co., Tyler, Tex.
Wadhams, F. L., & Sons, lumber mfrs., Torrington, Conn.
Wadham's Oil Co., 359 Clinton, Milwaukee, Wis.
Wadley & Smythe, landscape architects, 491 5th av, New York
Wadman, C. G., auto tops, Bakersfield, Cal.
Wadsworth Adelson, Branning Co., gas logs, 2250 Euclid av, Cleveland, Ohio.
Wadsworth Brick & Tile Co., Wadsworth, Ohio.
Wadsworth, C. J., oil cabinets, Cleveland, Ohio.
Wadsworth Clothing Cabinet Co., Painesville, Ohio.
Wadsworth Core Machine & Equipment Co., 10 W. Buchtel, Akron, Ohio
Wadsworth, David, & Son, scythes, etc., Auburn, N. Y.
Wadsworth Engraving Co., name plates, stencils, etc., Springfield, Ohio.
Wadsworth-Howland Co., enamels, paints, wood stains, etc., 225 N. Carpenter, Chicago, Ill.
Wadsworth, Howland & Co., paint & varnish makers, 141 Federal, Boston, Mass.
Wadsworth Mfg. Co., auto. metal bodies, wheels, oil engines, etc. Kercheval & Conners Creek, Detroit, Mich.
Wadsworth Novelty Mfg. Co., push buttons, Wadsworth, Ohio.
Wadsworth, S. L., & Son, wholesale hardware, Eastport, Me.
Wadsworth Salt Co., Wadsworth, Ohio.
Wadsworth Stone & Paving Co., Lambert & P. R. R., Pittsburgh, Pa.
Wadsworth Watch Case Co., mfrs., Dayton, Ky.
Wadsworth & Woodman Co., oil cloth mfrs., Winthrop, Me.
Waelde, Herman, disinfectants, 732 Frankfort av, N. W., Cleveland, Ohio.
Waferling, Jno. A., architect, 810 Broad, Newark, N. J.
Waful, E. E., contr., 140 S. Dearborn, Chicago, Ill.
Wagar, David P., stone producers, Middletown, N. Y.
Wagemaker Co., filing cabinets, Grand Rapids, Mich.
Wagenbach, Jos., & Son, bldg. contrs., Lawrence, Mass.
Wagenen, L. B., dock builders, Urbanna. Va.
Wagener, Fritz, architect, 4th Nat. Bk. Bldg., Atlanta, Ga.
Wagener, H. J., architect, Canton, Ohio.
Wagener, Jno. O., & Co., minerals, clays, etc., Easton, Pa.
Wagener Steam Pump Co., Canton, Ohio.
Wagenfohr, Chas., Sr., die sinker, 140 W. B'way, New York.
Wagenheim, J. M., & Son, contrs., Newark, Ohio.
Wagenhorst, J. H., & Co., blue printing machines, Youngstown, Ohio.
Wagenlander, Jos., cornices, Newport, Ky.
Wager, B. F., contractor, Norristown, Pa.
Wager, Robert H., furnace bridge walls, Singer Bldg., New York.
Wager, S. A., architect, Com. Bldg., St. Paul, Minn.
Waggaman, Clarke, architects, 1742 M, N. W., Washington, D. C
Waggaman, Eugene, architect, 1742 M, Washington, D. C.
Waggner, Lewis, Co., lumber mfrs., Wolfe & Thames, Baltimore, Md.
Waggoner-Gates Milling Co., flour, Independence, Mo.
Waggoner Sanitary Fire Bucket Co., 400 Monticello av, Chicago, Ill.

Wagner, A. F., Arch'l Iron Works, 763 N. Walter, Milwaukee Wis.
Wagner & Bauman, contrs., Monroe, Wis.
Wagner Bros, Hdwe Co., Hazelton, Pa.
Wagner Bros., cornices, 1010 Diversey Parkway, Chicago, Ill.
Wagner Bros., mchsts. & fndrs., Burlington, Wis., & Dover, O
Wagner Bros., masons' & bldrs.' matls., Mount Gilead, Ohio.
Wagner Bros. & Co., architects' instruments & supplies, 71 W 23d, New York.
Wagner, C. B., Hardware Co., Burlington, Wis.
Wagner, C. De Witt, clips, shears, Cedar Rapids, Ia.
Wagner, C. P., & Co., lubrg. oils, 308 Sycamore, Cincinnati, O
Wagner, Carl H., barometers, thermometers, etc., 1944 N. Albany, av, Chicago, Ill.
Wagner, Chas., Machy. Co., Inc., machsts., 51-55 Park av, Hoboken, N. J.
Wagner, Chas. A., clays, minerals, 221 N. Front, Phila., Pa.
Wagner, Chas. C., architect, 32 Court, Brooklyn, N. Y.
Wagner Comb Mfg. Co., Myrtle av, Brooklyn, N. Y.
Wagner Curtain Stretcher Co., Greensburg, Pa.
Wagner, E. R., Mfg. Co., sheet metal stampings, No. Milwaukee, Wis.
Wagner Elec. Mfg. Co., transformer cut-outs, 6400 Plymouth, St. Louis, Mo.
Wagner Fire Brick Co., Scranton, Pa.
Wagner, Frank L., contractor, 1413 H, N. W., Washington, D. C.
Wagner, Fred L., architect, 23 Evergreen pl, East Orange, N. J.
Wagner, G. N., Lbr. & Shingle Co., Grand Rapids, Mich.
Wagner, Geo., contractor, Hearst Bldg., San Francisco, Cal.
Wagner, Gilbert A., elec. contr., Stafford Springs, Conn.
Wagner Glass Works, 697 E. 132d, New York.
Wagner Hardware Co., gen. & heavy & automobile supplies, Mansfield, Ohio.
Wagner, Hy, stone products, Dubuque, Ia.
Wagner-Hoyt Elec. Co., igniters, 1902 Broadway, New York.
Wagner, J. B., lumber, Marion, Mich.
Wagner, J. F., Sons, windows, Louisville, Ky.
Wagner, J. G., brick & tile, Covington, Ohio.
Wagner, Jacob, common brick, Princeton, Ill.
Wagner, Jos., Mfg. Co., mill & factory supplies, 165 Beale, San Francisco, Cal
Wagner Lumber Co., Dover, Ohio.
Wagner, M., Co., canned goods, Pratt st. Wharf, Baltimore, Md.
Wagner, M. C., contr., 175 Wash. blvd., Chicago, Ill.
Wagner Mfg. Co., aluminum & enameled hollow ware, Sidney, O.
Wagner Mfg. Co., hardware mfrs., Cedar Falls, Ia.
Wagner Mercantile & Mfg. Co., lumber, Suring, Wis.
Wagner, Peter, & Son, contractors, 384 Herman, Buffalo, N. Y.
Wagner, Philip, contractor, Camden, N. J.
Wagner Quarries Co., masons' & bldrs.' matls., Sandusky, Ohio.
Wagner Specialty Co., calf weavers, Burlington, Wis.
Wagner Spring Bed Mfg. Co., Holyoke, Mass.
Wagner, Stewart, architect, 7 E. 42d, New York.
Wagner, T. S., contractor, Des Moines, Ia.
Wagner, Thos. A., lime mfrs., Myerstown, Pa.
Wagner, W. S., & Son, contrs., Butler, Pa.
Wagner Water Still Co., 628 W. Lake, Chicago, Ill.
Wagner, Wm. F., architect, 1330 13th, N. W., Washington, D. C.
Wagner & Wilson, lbr., Monroe, Wash.
Wagner's, J. F., Sons Co., cornices, Louisville, Ky.
Wagoner, J., canned goods, 516 N. 2d, St. Louis, Mo.
Wagoner Lbr. Co., Pamplico, S. C.
Wagoner Roller Mill Co. See O'Bannon Co. (successors)
Wagstaff, W. J., lumber, Oshkosh, Wis.
Wah Chang Mining & Smelting Co., antimony imp., 233 Broadway, New York.
Wahl Co., adding machs., fountain pens, pencils, 1800 Roscoe, Chicago, Ill.
Wahl, Ed. M., contractor, St. Cloud, Minn.
Wahl, Emil, Mfg. Co., bone buttons, Pulaski av & Ruffner, Philadelphia, Pa.
Wahl Mfg. Co., transformers & vibrators, Sterling, Ill.
Wahle-Phillips Co., elec. & gas light fixtures, 101 Park av, New York.
Wahlfeld Mfg. Co., plate glass, Peoria, Ill.
Wahlman, J. S., contractor, Ishpeming, Mich.
Wahlstrom Tool Co., drill chucks & oil lubricators, 5520 2d av, Brooklyn, N. Y.
Wahrenberger, J., architect, Alamo Bank Bldg., San Antonio, Tex.
Waid, D. Everett, architect, 1 Madison av, New York.
Wainwright, Jno. C. A., foundry facings, Spring City, Pa.
Wainwright, R., tex. machy. (roll coverers), Westpoint, Ga.
Wainwright, W. W., & Son, machsts., piston rings, etc., Connersville, Ind.
Wait, A. L., mill & facty. supps., Tulsa, Okla.
Wait, Chas. D., masons' & bldrs.' matls., Montgomery, N. Y.
Wait, Ch. S., lumber, Londonderry, Vt.
Wait, E. R., Shingle Co., Port Angeles, Wash.
Wait, F. W., Lime Co., Glens Falls, N. Y.
Waite & Bartlett Mfg. Co., X-ray app., etc., 53 Jackson av, Long Island City, N. Y.
Waite Chair Co., Baldwinsville, Mass.
Waite, Frank E., architect, Brewster, N. Y.
Waite Grass Carpet Co., Oshkosh, Wis.
Waite, H. B., Lbr. Co., Security Bldg., Minneapolis, Minn.
Waite Mill & Timber Co., Granite Falls, Wash.
Waite, Ranlet & Co., whol. hdwe., 80 Broad, Boston, Mass.

lte Supply Co., steamfitters' supplies, 1635 5th, Pittsb'h, Pa.
lte-Thresher Co., sewing thimbles, Abbott Park pl, Providence, R. I.
lte Tractor Co., traction engines, Elgin, Ill.
tt Constr. Co., 2 W. 45th, New York.
ke Forest Foundry Co., Wake Forest, N. C.
ke Machine Works, Cardenas, N. C.
kefield, Clarence E., auto., bicycle & motorcycle adjustable open end wrenches, 89 Exchange, Worcester, Mass.
kefield, E. C., machst. & fndr., Cherryfield, Me.
kefield, F. W., Brass Co., machsts. & fndrs., Vermilion, Ohio.
kefield, Jas. W., machst. & fndr., Theresa, N. Y.
kefield Lumber Co., Wakefield, R. I.
kely, Archibald S., & Son, carriages, Milford, Mich.
keman, Frank M., lumber mfrs., South Stockton, N. Y.
keman, R., & Son, cotton felt mattresses, Saugatuck, Conn.
b, C. A., contractor, La Grange, Ind.
born & Barney, contractors, Wilkes-Barre, Pa.
bridge & Co., mill & facty. supplies, whol. hdwe., 392 Main, Buffalo, N. Y.
bridge & Taylor, mill & facty. supplies, Peterboro, N. H.
broehl & Co., light fixture mfrs., 3204 Jamaica av, Brooklyn, N. Y.
ck, Henry S., agricultural implements, Greencastle, Pa.
co Mfg. Corp., grooving machines, Providence, R. I.
cott, C. H., architect, 76 Monroe, Chicago, Ill.
cott, Frank B., masons' & bldrs.' matls., Houston, Tex.
cott Lathe Co., Jackson, Mich.
cott, R. S., architect, 76 W. Monroe, Chicago, Ill.
cutt Bros., Co., wall pockets, 141-155 E. 25th, New York.
dbillig, John B., contractor, 425 1st, Albany, N. Y.
deck, Anthony, machst. & fndr., 7607 B'way, Cleveland, O.
deck, E., & Co., onyx souvenir placques, Jersey City, N. J.
deck Pckg. Co., meat packers, Montrose & La Salle, St. Louis, Mo.
den Knife Co., Walden, N. Y.
den-Worcester, Inc., wrenches, 475 Shrewsbury, Worcester Mass. *See adv. index at end of book*
denberger Harness & Trunk Co., Little Rock, Ark.
der, Jacob, mill & facty. supplies, Paterson, N. J.
les & Co., Inc., buttons, fasteners, 315 5th av, New York
dhauer, Stevens Co., cornices & skylights, 1721 Nostrand av, Brooklyn, N. Y.
iman, John J., wire measuring machs., switches, etc., 64 Murray, New York.
dman, L. C., architect, Riverside, Cal.
dner, Adam, lbr., sashes, doors & blinds, Ashland, Pa.
lo Bros., Waldo Bros. & Bond (successors).
lo Bros. & Bond Co., bldg. mtlrs. & constr. equip., 181 Congress, Boston, Mass.
lo Canning Co., Waldo, Wis.
lo Co., silk shades & holders, etc., 45 E. 20th, New York.
lo, E. M. & F., color mfrs. (selling agts), 11 Broadway, New York.
lorf Paper Products Co., box boards, boxes, cases & labels, St. Paul, Minn.
lron, Chas., machst. & fndr., Haverstraw, N. Y.
lron, E. M., & Co., contractors, 84 S. 6th, Newark, N. J.
lron, Edw. M., Inc., contractor, 27 Central av, Newark, N. J.
lron, F. A., modernizing engrs., 37 Wall, New York.
lron, Jno., Co., machsts. & fndrs., oil cloth machy., New Brunswick, N. J.
lstein Lbr. Co., 7th & Victor, St. Louis, Mo.
s Adder Mach. Co., Wilkes-Barre, Pa.
s, Chas. A., contractor, Yonkers, N. Y.
s, George E., canned goods, Newton Center, Mass.
s, H. A., Co., whol. dlrs. flags, pennants, etc., Bridgeport, Conn.
s Hardware Co., Ltd., Corry, Pa.
s, Merton W., naval architect, 2687 Main av, New York.
sby, P. C., architect, 5665 S. Thompson av, Tacoma, Wash.
er Awning Co., tent contrs., 561 W. Monroe, Chicago, Ill.
e, Henry, Co., mill & facty. supplies, Norfolk, Va.
er, A. R., architect, Hibernian Bldg., Los Angeles, Cal.
er, Alfred J., & Co., wood & metal auto. bodies, 223 W. 36th, New York.
er, Ambrose, architect, 9 Cornhill, Boston, Mass.
er Bin Co., store fixtures, Penn Yan, N. Y.
er Bros., canned goods, Aberdeen, Md.
er Bros., flour mill, Hillsboro, N. C.
er Bros. Co., dies, tools, etc., 225 Walton, Syracuse, N. Y.
er Bros. Co., fertilizer, Griffin, Ga.
er Bros. & Haviland, self-winding clocks, 112 S. 16th, Philadelphia, Pa.
er, C. E., & Co., masons' & bldrs.' matls., Portsmouth, N. H.
er, C. Howard, architect, 71 Kilby, Boston, Mass.
er, C. L., & Co., hdwe. mfrs., 656 W. 12th, Erie, Pa.
er, C. W., archt., First Nat'l Bank Bldg, Bridgeport, Conn.
er, C. W., Sons & Co., mill & facty. supplies, 288 Market, Newark, N. J.
er & Chambers, htg. contrs., 222 E. 41st, New York.
er, Chas. H., Mach. Co., gear tooth rounding machy., 819 Lawton, Detroit, Mich.
er, Chas. T., & Co., children's carriages, 716 W. North av, Chicago, Ill.
er, Chas. W., Sons & Co., mill & facty. supplies, 288 Market, Newark, N. J.

Walker & Chase, architects, Atlanta Trust Bldg., Atlanta, Ga.
Walker Chem. Co., phthalicanhydride, 804 Carson, Pittsb'gh, Pa.
Walker County Lbr. Co., Elmina, Tex.
Walker & Curley Co., contractors, Bessemer Bldg., Pittsb'h, Pa.
Walker Cut Stone Co., producers, whol., & dlrs., Tacoma, Wash.
Walker, E. H., architect, Somerset, Pa.
Walker Elec. Co., switches, 2337 Callowhill, Philadelphia, Pa.
Walker & Elliott, machsts., Wilmington, Del.
Walker Fdry. Co., Erie, Pa.
Walker, Frank A., architect, Montpelier, Barre, Vt.
Walker & Frank Brick Co., Dix & Lonyo rd, Detroit, Mich.
Walker, Frank Chase, architect, 20 W. Jackson blvd., Chicago, Ill.
Walker, Fred G., architect, 4712 Beacon, Chicago, Ill.
Walker, G. C., lumber, Warthen, Ga.
Walker, Geo. L., Co., contrs., 140th & Convent av, New York.
Walker, Geo. R., & Co., architects, Conover Bldg., Dayton, Ohio.
Walker & Gillette, architects, 128 E. 37th, New York.
Walker, H. C., & Co., flour mills, Bradfordsville, Ky.
Walker, H. E., & Bro., lumber, Barree, Pa.
Walker, H. L., Co., electric & gas light fixtures, 185 Jefferson av, Detroit, Mich.
Walker, Harry L., architect, 103 Park av, New York.
Walker, Hay Brick Co., Farmers Bank Bldg., Pittsburgh, Pa.
Walker, Hy. L., Co., electric lamps & conduit fittings, 185 East Jefferson av., Detroit, Mich.
Walker, Hobart A., architect, 35 W. 39th, New York.
Walker-Hopkins Lbr. Co., Moyers, Okla.
Walker, I. J., flour mills, Williston, Tenn.
Walker, Isaac, Hardware Co., Peoria, Ill.
Walker, J. C., & Sons Co., fertilizer mfrs., Gap, Pa.
Walker, J. E., granite, St. Johnsbury, Vt.
Walker, J. R., architect, Payette, Idaho.
Walker, J. S., & Co., bags & bagging, Louisville, Ky.
Walker, Jas., architect, Prudential Bldg., Buffalo, N. Y.
Walker, Jas., Co., mill & facty. supps., & ship clamps, 123 Light, Baltimore, Md.
Walker, Jas., & Co. (Ltd.), packing mfrs., 46 West, New York
Walker, Jas. D., contractor, Erie, Pa.
Walker, Jas. J., heating contr., 5422 Vine, Philadelphia, Pa.
Walker, Jas., & Son, coppersmiths, 76 Jefferson av, Detroit, Mich.
Walker, Jno., flour mills, Dandridge, Tenn.
Walker, John L., Co., steam fitters' supplies, Hamilton, Ohio.
Walker, Jos., granite, Quincy, Mass.
Walker, Jos., Constr. Co., 90 State, Albany, N. Y.
Walker, L. B., architect, Poplar Bluff, Mo.
Walker, L. P., lumber, Hartford, Mich.
Walker Lithograph & Publishing Co., maps, 400 Newbury, Boston, Mass.
Walker, Livingston & Brackett, architects, E. & B. Bldg., Rochester, N. Y.
Walker, M. A., & Co., mill & facty. supplies, Covington, Tenn.
Walker Mfg. Co., agri'l implts., steel corn cribs, etc., Council Bluffs, Ia.
Walker Mfg. Co., automobile jacket equipt., Racine, Wis.
Walker Mfg. Co., iron castings, Denver, Colo.
Walker Mfg. Co., machsts. & fndrs., Fenton, Mich.
Walker Mfg. Co., textile machy., supplies, etc., Kensington & Ontario, Phila., Pa.
Walker Mfg. & Supply Co., plumbers' supplies, jobbers, Shelby & Woodbridge, Detroit, Mich.
Walker, Marion M., & Son, contractors, Alexandria, Ind.
Walker, N. Gaillard, architect, Rock Hill, S. C.
Walker, O. S., Co., magnetic chucks, grinding machinery, planer parallels mfrs., Worcester, Mass.
Walker, P. J., & Co., contractors, Monadnock Bldg., San Francisco, Cal.
Walker, P. M., & Co., flour mills, Loogotee, Ind.
Walker & Pratt Mfg. Co., machsts. & fndrs., 31 Union, Boston, Mass.
Walker, R. M., & Co., contrs., Atlanta, Ga.
Walker, R. W., patterns & models, Lawrence, Mass.
Walker, Robt. J., sash, door & blind, Osceola Mills, Pa.
Walker, Russell Tracy, architect, 47 W. 34th, New York.
Walker Sand Co., West Springfield, Pa.
Walker & Sons, masons' & bldrs.' matls., Groesbeck, Tex.
Walker Stratman & Co., fertilizer mfrs., Herrs Island, Pittsburgh, Pa.
Walker, T. M., Co., sash, door & blind mfrs., Springfield, Mass.
Walker, Thomas, contractor, Mobile, Ala.
Walker, Thos., & Sons, mchsts., 4617 Tacony, Fkd., Phila., Pa.
Walker, Thos., & Sons, packing mfrs., 4617 Tacony, Phila., Pa.
Walker & Vawter, architects, Hibernian Bldg., Los Angeles, Cal.
Walker Vehicle Co., stor. bat. trucks, 533 W. 39th, Chicago, Il., Chicago, Ill.
Walker Veneer Works, Alpena, Mich.
Walker, W. D., contractor, Abington Bldg., Portland, Ore.
Walker, W. & H., soap, Herrs Island, Pittsburgh, Pa.
Walker, W. H., architect, 17 Custom House, Providence, R. I.
Walker, W. J., Steel Co., 1722 Columbus rd, Cleveland, Ohio.
Walker, W. Leslie, architect, 103 Park av, New York.
Walker, W. S., machy. dlrs. & imp., Rockville, Mo.
Walker, W. W., Milling Co., rye flour, Alden, Minn.
Walker, Walter, & Co., masons' & bldrs.' matls., Imlay City, Mich.
Walker & Ward, 52 Vanderbilt av, New York.

Walker & Weeks, architects, 1900 Euclid av, Cleveland, Ohio.
Walker-Weiss Axle Co., machsts. & fndrs., Flint, Mich.
Walker Wells Co., auto. bodies, Amesbury, Mass.
Walker & Werner, auto. wood bodies, Peoria, Ill.
Walker, Wm. R., & Son, architects, 17 Custom House, Providence, R. I.
Walkers Mill Stone & Brick Co., Keenan Bldg., Pittsburgh, Pa.
Walkerton Milling Co., flour, Walkerton, Va.
Walkerville Dressed Meat Co., Walkerville, Mont.
Walkup, A. M., Co., contractors & bldrs., American Nat. Bk. Bldg., Richmond, Va.
Wall, A. T., Co., jewellers' supp. or findings, 162 Clifford, Providence, R. I.
Wall, Daniel, cotton damasks, Unity & Leiper, Phila., Pa.
Wall, C. M., & Son, lbr., Southmont, N. C.
Wall-Huske Co., whol. hdwe., Winston-Salem, N. C.
Wall, J. F., & Son, wrapping paper, Walpole, Mass.
Wall, P., Mfg. Supply Co., conduit hangers, oilers, tanks, etc., 705 Preble av, Pittsburgh, Pa.
Wall Pocket Imptg. Co., 304-310 E. 23d, New York.
Wall, R. C., Mfg Co., auto. wood bodies, 228 N. 15th, Philadelphia, Pa.
Wall-Rogalsky Milling Co., flour, McPherson, Kans.
Wall Rope Works, Inc., 48 South, New York.
Wall-Spalding Lumber Co., Oshkosh, Wis.
Wall, Wm. G., & Son, contrs., Peoria, Ill.
Walla Walla Brick & Tile Co., common, Walla Walla, Wash.
Walla Walla Construction Co., Walla Walla, Wash.
Walla Walla Iron Works, machsts. & fndrs., Walla Walla, Wash.
Walla Walla Lumber Co., sash, door & blind, Walla Walla, Wash.
Walla Walla Meat & Cold Storage Co., packers, Walla Walla, Wash.
Wallace, A. D., carriages, Alliance, Ohio.
Wallace Addressing Machine Co., 116 W. 14th, New York.
Wallace-Ballord Lumber Co., 1613 Lumber Exchange, Minneapolis, Minn.
Wallace Bros., sashes, doors & blinds, New Castle, Pa.
Wallace Bldg. Co., Laconia, N. H.
Wallace, C. D., & Co., closet tanks, 1502 Arrott Bldg., Pittsburgh, Pa.
Wallace & Bush, engng. contrs., San Jose, Cal.
Wallace, C. E., & Co., machy. dlrs., Chicago Heights, Ill.
Wallace, Charles L., architect, Hammond Bldg., Joliet, Ill.
Wallace, Dwight G., architect, 6 N. Clark, Chicago, Ill.
Wallace Co., grindstones, Port Austin, Mich.
Wallace, Elizabeth B., architect, 227 Jefferson, Joliet, Ill.
Wallace, F. J., Co., hardware mfrs., Meriden, Conn.
Wallace, Frank, contrs., 1235 Liverpool, Pittsburgh, Pa.
Wallace, Frank E., contr., 1220 Chancellor, Philadelphia, Pa.
Wallace & Gale, mill & facty. supplies, 115 S. Gay, Baltimore, Md.
Wallace, Geo. J., Jr., htg. contr., 206 E. 57th, New York.
Wallace, Hugh, Co., carriage robes, 2616 E. Grand Blvd., Detroit, Mich.
Wallace, J. D., wood planing machines, 1401 W. Jackson blvd., Chicago, Ill.
Wallace, J. E., contractor, La Crosse, Wis.
Wallace, John, Sons Co., masons' & bldrs.' matls., St. Joseph, Mich.
Wallace, Jos. H., & Co., paper & pulp mill architects, 5 Beekman, New York.
Wallace & Kellogg, architects, 6 N. Clark, Chicago, Ill.
Wallace Lbr. Co., York, Ala.
Wallace, M. B., masons' & bldrs.' matls., Dearborn, Mich.
Wallace Machine & Foundry Co., Lafayette, Ind.
Wallace Mfg. Co., machsts. & fndrs., Frankfort & Kendalville, Ind.
Wallace, N., machst. & fndr., Farmington, Conn.
Wallace & Osterman, contractors, Wilmington, N. C.
Wallace, R. Bruce, & Co., contrs., 45 N. 13th, Philadelphia, Pa.
Wallace, R., & Sons Mfg. Co., silver novelties, cork screws, Wallingford, Conn.
Wallace, Robert A., archotect, Mutual Life Bldg., Buffalo, N. Y.
Wallace, Rodney, Co., cotton waste, Fitchburg, Mass.
Wallace & Smith Co., harness, saddles, etc., 86 W. Water, Milwaukee, Wis.
Wallace, Sterling, printing inks, 65 Frankfort, New York.
Wallace Stone Co., Bay Port, Mich.
Wallace Supplies Mfg. Co., forming & bending machines & screw mach. prod., 416 Orleans, Chicago, Ill. *See adv index at end of book*
Wallace-Tiernan Co., Inc., chlorinators, water purifying & filtering apparatus, 349 Broadway, New York.
Wallace Tractor Co., machsts., Cleveland, Ohio.
Wallace, W. H., flour, Mexia, Tex.
Wallace, W. R., & Co., contrs., Fort Wayne, Fla.
Wallace, W. W., & Co., sash, door & blind, Apollo, Pa.
Wallace Wall Paper Co., Cortland, N. Y.
Wallace & Warner, architect, Real Estate Trust Bldg., Philadelphia, Pa.
Wallace, Wm., & Sons, machsts. tools, 513 Wells, Chicago, Ill.
Wallarger Mfg. Co., office & store fixtures, 28 Juneau av, Milwaukee, Wis.
Wallaster, J. G., advtg. nov., 620 Poydras, New Orleans, La.
Wallbrunn, Kling & Co., mill & facty. supps., 327 S. Clark, Chicago, Ill.
Waller Bros. Stone Co., McDermott, Ohio.
Waller, Geo. D., architect, Arcade, Nashville, Tenn.
Waller, John T., architect, Hopkinsville, Ky.
Waller, M. L., architect, Wheat Bldg., Fort Worth, Tex.
Waller Mfg. Co., hogsheads, Lexington, Ky.
Wallhead, Wm. A., brick, Elyria, Ohio.
Wallin, Henrik, architect, 23 Abercorn, Savannah, Ga.
Wallinder, E. G., packing box, sash door & blind mfrs., Duluth Minn.
Walling, H. E., ties, poles, etc., Union Trust Bldg., Providence R. I.
Walling, Luther, machs., Belford, N. J.
Walling, S. E., machst. & fndr., Bellingham, Wash.
Wallingford Co., silver nov., Wallingford, Conn.
Wallingford Lumber Co., Wallingford, Conn.
Wallingford Mfg. Co., machsts. & fndrs., Wallingford, Vt.
Wallingford, V. O., architect, Phœnix, Ariz.
Walling's, Jesse, Mills, flour mills, McMinnville, Tenn.
Wallington, E., architect, Seaboard Bldg., Seattle, Wash.
Wallior Chemical Wks., chemists, New Orleans, La.
Wallis, A. H., glass mosaic wk., 3308 Easton, St. Louis, Mo.
Wallis & Carley Co., masons' & bldrs.' matls., Sharon, Pa.
Wallis Couch & Carriage Wks., 12 E. Grant, Minneapolis, Minn
Wallis, F. E., architect, 56 W. 45th, New York.
Wallis & Sons, scrap iron & steel, Tacoma, Wash.
Wallis Tractor Co., machsts., Racine, Wis.
Walliser, August, silk tassels & fringes, 531 Hermitage, Philadelphia, Pa.
Walloomsac Paper Co., Walloomsac, N. Y.
Walloon Lake Lumber & Shingle Co., Walloon Lake, Mich.
Walls, Owen & Stambach Co., plumbers' supplies, jobbers, 11th & Hamilton, Philadelphia, Pa.
Walls, T. P., Tool & Supply Co., hardware, 75 Walker, New York.
Wallwork, C. H., architect, Oregon Bldg., Portland, Ore.
Wallwork, H., Foundry Co., brass castings, Birmingham, Ala.
Walnut Creek Milling Co., flour, Great Bend, Kans.
Walnut Lbr. Co., 1635 W. Michigan, Indianapolis, Ind.
Walnut Milling Co., flour & feed, Walnut, Ia.
Walohn Mfg. Co., whalebone, 31 Union sq, W., New York.
Walp, C. H., & Bro., masons' & bldrs.' matls., Quakertown, Pa.
Walpert, Fred, & Co., steam curled hair, 106 N. Gay, Baltimore Ohio.
Walrath, Alphonso, Co., machsts., Fort Plain, N. Y.
Walrath Glove Co., Gloversville, N. Y.
Walrath-Sherwood Lbr. Co., Omaha, Neb.
**WALRAVEN CO., THE**, mill supplies, Atlanta, Ga.
*See adv. index at end of book*
Wal-Rike Pony Vehicle Co., St. Paris, Ohio.
Walrus Mfg. Co., bank, office & store fix., Decatur, Ill.
Walsh & Allen, machinists, 15 Wilbur av, Long Island City, N.Y.
Walsh Bros., contractors, Boston, Mass.
Walsh Bros. & Schurr, contractors, Sandusky, Ohio.
Walsh Construction Co., Davenport, Ia.
Walsh, David, cut glassware, Somerville, Mass.
Walsh, Dennis R., architect, Littlefield Bldg., Austin, Tex.
Walsh, Edw. W., stone, Terre Haute, Ind.
Walsh Fire Clay Products Co., brick mfrs., 4070 N. Main, St Louis, Mo.
Walsh & Gardner Co., mill & facty. & plumbers' supplies, jobbers Tacoma, Wash.
Walsh, Geo. J., dock bldrs., 446 47th, Brooklyn, N. Y.
Walsh, Harold V., architect, B'way, cor. Shady la, Yonkers N. Y.
Walsh, Henry A., architect, Lennox Bldg., Cleveland, Ohio.
Walsh, J. F., sheet metal brushes & compounds, Pittsfield, Mass
Walsh, J. R., architect, Herkimer Bldg., Jacksonville, Fla
Walsh, Jas., & Co., distillers, Union Tr. Bldg., Cincinnati, Ohio
Walsh, Jas. D., Sons, cornices, Albany, N. Y.
Walsh & Odell, architects, Chamber of Com. Bldg., Detroit Mich., & McAlester, Okla.
Walsh, John D., Inc., dock bldrs., 397 Hancock, Brooklyn, N. Y
Walsh, Louis A., architect, 51 Leavenworth, Waterbury, Conn.
Walsh Lumber Co., Cuyahoga Falls, Ohio
Walsh, M. & Son, contrs., Bloomington, Ill.
Walsh, M. J., Machy. Co., 141 Sycamore, Milwaukee, Wis.
Walsh, M. S., mattresses, Williamsport, Pa.
Walsh Mfg. Co., cooperage stock, 72 S. 9th, Pittsburgh, Pa.
Walsh & Masterson, contractors, 35 S. Dearborn, Chicago, Il
Walsh, Maurice J., & Sons, contractors, Holyoke, Mass.
Walsh, Owen, Mfg. Co., elec. & gas light fixtures, mail boxes etc., 525 W. 26th, New York.
Walsh Packing Co., metallic packing, 304 New, Phila, Pa.
Walsh Paper Co., Cuyahoga Falls, Ohio.
Walsh Press & Die Co., 4709 W. Kinzie, Chicago, Ill.
Walsh & Reichling, masons' & bldrs.' matls., Piermont, N. Y.
Walsh, Richard, self-closing cocks, 61 Wayne, Detroit, Mich.
Walsh, Richard, & Sons, contractors, Orthodox & Frankford Creek, Philadelphia, Pa.
Walsh Safety Lock Snap Co., Bellevue, Ohio.
Walsh, Standley, & Co., contractors, Chamber of Commerce Detroit, Mich.
Walsh Stevedoring & Contrg. Co., Mobile, Ala.
Walsh, T. P., cornices & skylights, San Antonio, Tex.
Walsh Tie & Lbr. Co., Title Guaranty Bldg., St. Louis, Mo.
Walsh Timothy, archit., 135 St. Paul, Brookline, Mass.
Walsh, W. J., & Co., steam fitters' suppplies, 503 N. Dearborn Chicago, Ill.

alsh & Weidner Boiler Co., Chattanooga, Tenn.
alsh's Boiler & Iron Works, Springfield, Mass.
alsh's Holyoke Steam Boiler Works, Holyoke, Mass.
**ALSH'S SONS & CO., INC.**, scrap iron & steel, machinery, bel-ting & hose, 295-305 Passaic, Newark, N. J.
alstad Machine & Elec. Co., Tacoma, Wash.
alstad Mach. Co., Tacoma, Wash.
lt, M., De Kalb Co., architects, 404 Holland block, Lima, O.
alte, Guy B., contractor, 413 E. 31st, New York.
alter, Anton, Supply Co., masons' & bldrs.' matls., Dayton, Ky.
alter Bros., buggy & carriage aprons, Dallas City, Ill.
lter, Edward J., Co., chemical brokers, American Bldg., Baltimore, Md.
lter Co., contrs., 1st Natl. Bk. Bldg., Chicago, Ill.
lter, G., carriages, Murfreesboro, Tenn.
lter, G. E., arch'l modelers, 157 E. 44th, New York.
lter, Geo. J., masons' & bldrs.' matls.—common brick, Chatsworth, Ill.
lter, H. R., Lumber Co., Fayette & Manhattan, Pittsburgh, Pa.
lter, John, & Sons, cornices & skylights, Ottawa, Ill.
lter, John W., contractor, Canton, Ohio.
lter Machine Co., 186 Bellevue av, Detroit, Mich.
lter Mfg. Co., brassed steel ware, Fulton Bldg., Pittsburgh, Pa.
lter, Mead, architect, 127 N. Dearborn, Chicago, Ill.
lter Motor Truck Co., 110 West End av, New York.
lter, N. C., & Sons, die sinkers, 3 Park Row, New York.
lter, W. A., architect, Penn blvd, W. Lawn, Reading, Pa.
lter W. H., Lbr. Co., Royal Center, Ind.
lter, Wallingford & Co., pig iron & coke, Trac. Bldg., Cleveland, O.
terboro Lbr. Co., Ridgeway, Pa.
lterboro Cotton Oil Co., Walterboro, S. C.
lters, Alfred, architect, 45 Clinton, Newark, N. J.
lters, G., carriages, Sandwich, Ill.
lters, Geo. C., machsts., 1316 Ellsworth, Philadelphia, Pa.
lters, H. D., freight elevators, 210 2d av, Pittsburgh, Pa.
lters, John W., masons' & bldrs.' matls., Johnstown, Pa.
lters Mfg. Co., dipping paints, Fulton Bldg., Pittsburgh, Pa.
lters, T. E., Plumbing & Htg. Co., Aurora, Ill.
ltham Coal Co., masons' & bldrs.' matls., Waltham, Mass.
ltham Foundry Co., Waltham, Mass.
ltham Grinding Wheel Co., Waltham, Mass.
ltham Machine Works, mfrs. thread milling & gear cutting machines, sub press dies & special small machinery, Waltham, Mass.
ltham Micrometer Dial Gauge Co., dial gauges & dial indicators mfrs., 248 Ash, Waltham, Mass.
ltham Piano Co., Becker av & 1st, Milwaukee, Wis.
ltham Screw Co., Waltham, Mass.
ltham Trap Rock Co., Waltham, Mass.
ltham Watch Co., Waltham, Mass.
ther, A., & Sons, cornices, Bay City, Mich.
ther, Bart., & John P., architects, 103 E. 125th, New York.
ther Bros., fndrs., Coxsackie, N. Y.
ther & Co., paper & pulp mills, 72 Duane, New York.
ther, Geo. W., & Co., elec. light fix. mfrs., 712 N. Howard, Baltimore, Md.
ther, Henry, contractor, Hennen Bldg., New Orleans, La.
ther, Otto, textile machy., Bourse, Philadelphia, Pa.
ther-Vogler Gas Machine Co., Davenport, Ia.
tke, Wm., & Co., hand soap, Grand av & 2d, St. Louis, Mo.
ton, C. J., & Son, tubular & water tube boilers; grate bar mfrs., Louisville, Ky.
ton Co., tap extractors, Hartford, Conn.
ton Construction Co., 147 E. 125th, New York.
ton Cotton Mill Co., Monroe, Ga.
ton, D. S., & Co., wrapping paper, 132 Franklin, New York.
ton & Davis Co., masons' & bldrs.' matls., Dickinson, N. D.
ton, F. S., Co., lubricating oils & greases, Orthodox & Del., Philadelphia, Pa.
ton Foundry Co., Walton, N. Y.
on, H. H., lbr., Pendleton, Vo.
on, Jacob W., Sons, hair combs, 1615 Ruan, Phila, Pa.
on James, gas generators, Phoenicia, N. Y.
on Land & Timber Co., De Funiak Springs, Fla.
on Lbr. Co., Everett, Wash.
on, Luther, machst., Norristown, Pa.
on & Macke Nail Co., Kokomo, Ind.
on Mfg. Co., ventilators, 2610 Walton av, Cleveland, O.
on Neckyoke Centre Co., Gallatin, Mo.
on, P. B., lumber, Williamsport, Pa.
on, P. M., Mfg. Co., machinery mfrs., 1019 Germantown, Philadelphia, Pa.
on, Thos. S., knitted gloves, Needham Heights, Mass.
on-Van Huffel Mfg. Co., machsts. & fndrs., Galesburg, Ill.
z, A. H., contractor, Williamsport, Pa.
z, Chris., cornices & skylights, Denison, Tex.
z & Co., carriages, 2110 Main, Wheeling, W. Va.
z, Ornan H., architect, Trust Co. Bldg., Ithaca, N. Y.
z Safe & Lock Co., 233 California, San Francisco, Cal.
ille Lumber Co., Walville, Wash.
worth, A. O., & Co., machsts., 30 S. Clinton, Chicago, Ill.
worth-English-Flett Co., htg. contrs., 100 Pearl, Boston, Mass.

Walworth Mfg. Co., steam fitters' supplies, 798 1st, S. B., Boston, Mass.
Walworth Run Foundry Co., 2488 W. 27th, Cleveland, Ohio.
Walz, C., brass fndrs., 296 Division, Detroit, Mich.
Walz, F. C., architect, 118 Asylum, Hartford, Conn.
Walz, Geo. A., lumber, Norwalk, Wis.
Walz, Hy. J., Co., oven builders, 72 Huron, Buffalo, N. Y.
Wampum Mill Co., flour, Wampum, Pa.
Wamsher, Harry G., stone producers, Perkasie, Pa.
Wamsley, A. S., lumber, Stout, Ohio.
Wamsutta Mills, cotton sheetings, New Bedford, Mass.
Wanacek Strop & Cutlery Co., Fremont, Ohio.
Wanamaker, Geo. E., contr., Greenwich Conn.
Wanaque River Paper Co., 290 B'way, New York.
Wand & Niehaus, fire doors, 1315 Cora, St. Louis, Mo.
Wandell, Jno. C., architect, 4 Court sq, Brooklyn, N. Y.
Wander Iron Works, 321 E. 94th, New York.
Wander, S., & Sons Chemical Co., Albany, N. Y.
Wandke, W. G., architect, 331 W. 14th, New York.
Wangaum Cut Glass Co., Hawley, Pa.
Wangenstein, J. J., architect, Providence Bldg., Duluth, Minn.
Wangler Jos. F., Boiler & Sheet Iron Works, Federal Reserve B'k Bldg., St. Louis, Mo.
Wannenwetsch, C. H. A., architect, 563 William, Buffalo, N. Y.
Wanner, Louis, Jr., high pressure piping, 1723 Ludlow, Philadelphia, Pa.
Wanner Machy. Co., machy. dlrs., 716 Dearborn, Chicago, Ill.
Wantega Sand & Gravel Co., concrete roofing, tile, Johnson City, Tenn.
Wantling, Isaac, & Co., coal drills, Peoria, Ill.
Wantz Lumber & Coal Co., Miamisburg, Ohio.
Wapak Hollow Ware Co., Wapakoneta, Ohio.
Wapakoneta Machine Co., Wapakoneta, Ohio.
Wappler Elec. Co., batteries, surgical instruments, etc., 184 Harris av, Long Island City, N. Y.
Wapsipinicon Mill & Power Co., buckwheat flour, Independence, Ia.
Warburg, Bernard, brick, Springfield rd., New Burlington, Cincinnati, Ohio.
Ward, A. H., lumber, Loudon, Tenn.
Ward Aaron & Son, contractors, Camden, N. J.
Ward, Albert J., Co., stone producers, Fullerton av Bridge, Chicago, Ill.
Ward, Alfred L., architect, Stephen Girard Bldg., Phila., Pa.
Ward-Bate Co., lbr., Georgetown, S. C.
Ward-Brock Sash & Door Co., 618 Freeman av., Cincinnati, Ohio.
Ward Bros., contractors, 9338 Hough Ct, Cleveland, Ohio.
Ward Bros., lbr., mfrs., Big Rapids, Mich.
Ward, C. J., masons' & bldrs.' matls., Titusville, Pa.
Ward, Chas., Engrg. Works, machsts. & fndrs., Charleston, W. Va.
Ward & Co., mchsts., 54 Fulton av, Astoria, N. Y.
Ward & Co., meat packers, Fairmont, Minn.
Ward, E. M., contractor, Lexington, N. C.
Ward, Edw., contractor, Bloomington, Ill.
Ward, Edw. D., contractor, 82 Foster, Worcester, Mass.
Ward, Frank F., architect, 256 B'way, New York
Ward, Fred, & Son, machinery dealers, 164 1st, San Francisco, Cal.
Ward Furniture Mfg. Co., Fort Smith, Ark.
Ward, Geo. H., & Co., machsts., 78 Delevan, Brooklyn, N. Y.
Ward & Goodwin, contractors, 110 Jessie, San Francisco, Cal.
Ward, Hugh H., cornices, Chester, Pa.
Ward Iron Works. See Pacific Iron & Steel Co., Inc., jobbing mfrs. of heavy sheet metal wks., 2637 Humboldt, Los Angeles, Cal. (successors)
Ward, J. B., & Sons, fndry., brushes, brooms, Paterson, N. J.
Ward, J. H., & Co., flour mills, Greenfield, Tenn.
Ward, J. H., & Sons Co., stone producers, Park & Nelson, Pittsburgh, Pa.
Ward J. W., lumber mfrs., Dufur, Ore.
Ward, John, & Co., flour, Thomasville, N. C.
Ward, John, & Son, railroad stationery, 115 Cedar, New York.
Ward, Jos. T., fndrs., 5809 Baynton, Phila., Pa.
Ward-Kent Co., box shooks, Greenfield, Tenn.
Ward La France Truck Corp., auto, Elmira, N. Y.
Ward, Leonard, Electric Co., rheostat controllers of all kinds, & circuit breakers, Mt. Vernon, N. Y.
Ward, Leland A., elec. contr., Naugatuck, Conn.
Ward, Leroy P., architect, 52 Vanderbilt av, New York
Ward Lumber Co., packing boxes, Moretown, Vt.
Ward Mfg. Co., wire fences & gates, Decatur, Ind.
Ward, Marcus, Inc., papeterie mfrs., Pearson & Creek, Long Island City, N. Y.
Ward-Meehan Co., towels, Lehigh av. & Howard, Phila., Pa.
Ward Motor Vehicle Co., stor. battery trucks, Mt. Vernon, N. Y.
Ward, N. E., brick, Selma, N. C.
Ward, O. P., architect, Lincoln Bank Bldg., Louisville, Ky.
Ward, Oliver Q., contractor, Gary, Ind.
Ward Paving Co., 2308 N. 29th, Philadelphia, Pa.
Ward Plow Wks., Fayetteville, N. C.
Ward Pump Co., Rockford, Ill.
Ward Safety Razor Co., Blue Island, Ill.
Ward, Sam'l, Mfg. Co., pads, albums & envelopes, 299 Atlantic av, Boston, Mass.
Ward Stilson Co., flags, emblems, etc., Anderson, Ind.

Ward, T. J., Const. Co., contrs., 1514 Olive, St. Louis, Mo.
Ward Tractor Co., engines, plows, Lincoln, Neb.
Ward, W. A., architect, Port Chester, N. Y.
Ward, W. G., machinist, Cadiz, Ohio.
Ward, W. G., Lumber Co., Ironton, Ohio.
Ward W. H., machsts & fndrs, Milford, Me.
Ward, W. H., Co., bldg. contr., Lowell, Mass.
Ward, W. H., & Son, contrs. Harvard, Ill.
Ward, W. W., & Son, masons' & bldrs.' matls., Charlotte, N. C.
Ward & Weighton, contractor, Sioux City, Ia.
Ward, Wilbur F., cornices, 20 W. Pratt, Baltimore, Md.
Ward & Williams, machsts. & fndrs., Hancock, Mich.
Warde Piano Co., 66 E. 125th, New York.
Warden, Geo. J., & Co., carriages, 6530 Carnegie av, Cleveland, Ohio.
Wardlow, H. P., flour, Alberta, La.
Wardlow, J. & W., cotton damasks, 1615 Foulkrod, Phila., Pa.
Wardlow, S. & C., crucible steel, 278 Pearl, New York.
Wardlow-Thomas Paper Co., Middletown, Ohio.
Wardman, Harry, contractor, 1430 K, N. W., Washington, D. C.
Wardner, Herbert L., architect, 60 Pemberton Sq, Boston, Mass.
Wardrop, John, wholesale hardware, Mount Carmel, Pa.
Wardrop, Norval, architect, 270 Woodward, Detroit, Mich.
Ward's, Edgar T., Sons Co., iron & steel merchants, 304 Hudson, New York. *See adv index at end of book*
Ward's, Edgar T., Sons Co., steel tubing, high speed strips & cold rolled steel, all grades, 44-54 Farnsworth, Boston, Mass., *See adv index at end of book*
Wardwell Braiding Mach. Co., wire & cable cov. mach., Central Falls, R. I.
Wardwell Frederick S., contr., Stamford, Conn.
Wardwell Hardware Co., Rome, N. Y.
Wardwell Lumber Co., Bristol, R. I.
Wardwell Mfg. Co., machy., 110 Hamilton av, N. E., Cleveland, Ohio.
Ware Arthur, architect, 1170 B'way, New York
Ware, Arthur W., & Co., umbrellas, whips, 12 E. 18th, New York.
Ware Bros. Co., whol. hdwe., Spokane, Wash.
Ware Co., mailing tubes, 50 Watts, New York.
Ware, J. A., Const. Co., contrs., Boatman's Bk. Bldg., St. Louis Mo.
Ware, Jas. E., & Sons, architects, 1170 B'way, New York.
Ware Mfg. Co., hosiery, elastic, surgical, Camden, N. J.
Ware, Randolph F., architect, 407 York, Newport Ky.
Ware Shoals Mfg. Co., sheetings—cotton, Ware Shoals, S. C.
Ware & Treganza, architects, Utah Sav. & Tr. Bldg., Salt Lake City, Utah.
Ware, Vernon E., contractor, El Paso, Tex.
Ware, Walter F., Co., sporting goods, 1034 Spring, Phila., Pa.
Ware, Wm., Lbr. Co., Houston, Tex.
Warehouse Point Silk Co., silk thread, Warehouse Point, Conn.
Warfel, W. H., cornices, Muncie, Ind.
Waring, Chapman & Farquhar, sewage disposal plants, 874 B'way, New York.
Waring, Edw. C., clothes washing machines, Huntsville, Mo.
Waring, Geo. W., contractor, Columbia, S. C.
Waring-Underwood Co., expansion joints, Commercial Trust Bldg., Philadelphia, Pa.
Waring, Vechten Co., advtg. counsellors, 37 E. 28th, New York.
Wark, Jas., granite, Milford, N. H.
Wark, W. E., Co., steel struct. wk., 1737 Filbert, Phila., Pa.
Warley, Thos. C., & Co., boiler compounds, 227 S. Front, Philadelphia, Pa.
Warlick Lbr. Co., Gilkey, N. C.
Warlick Sheet Metal Mfg. Co., cornices & skylights, Atlanta, Ga.
Warlick & Sherrill Co., textile mach. supplies, Granite Falls, N. C.
Warman Steel Casting Co., Redondo, Cal.
Warn Lbr. Corp., Raywood, W. Va.
Warne, H. Rus., architect, Charleston, W. Va.
Warnell Lumber & Veneer Co., Plant City, Fla.
Warner, A. R., contractors, Waynesboro, Pa.
Warner Bros. Co., sheet metal stamping, Bridgeport, Conn.
Warner, C. B. & J., elec. portables & shades, 138 W. 14th, New York
Warner, C. T., mica, 906 S. Bishop, Chicago, Ill.
Warner, Chas., Co., hydrated lime, I. O. O. F. Bldg., Wilmington, Del.
Warner, Chas., Co., masons' & bldrs.' matls., 18 E. 41st, New York.
Warner, Chas. W., cornices, 522 W. Harrison, Chicago, Ill.
Warner Chemical Co., 52 Vanderbilt av, New York.
Warner & Childs Co., corrugated bottle wrappers, Medford, Mass.
Warner Collieries Co., The, coal mine, Union Nat'l Bk. Bldg., Cleveland, Ohio
Warner Co., vacuum cleaners, etc., Muncie, Ind.
Warner Construction Co., 189 W. Madison, Chicago, Ill.
Warner, E. T., machsts. & fndrs., Petersburg, Ind.
Warner, Edw. C., machst. & fndr., Ludlow, Vt.
Warner Electric Co., elec. spec., Muncie, Ind.
Warner Elev. Mfg. Co., grain elev. bldrs., Warner, Ill.
Warner Elevator Mfg. Co., Spring Grove av, Cincinnati, Ohio. *See adv index at end of book.*
Warner, Franklin E., architect, Belding Bldg., Stockton, Cal. Cal.
Warner, Franz C., architect, Hippodrome Annex, Cleveland, O.

Warner, G. F., Mfg. Co., archl. iron, New Haven, Conn.
Warner Gear Co., automotive gears, Muncie, Ind.
Warner, Geo., lumber, Drexel Bldg., Philadelphia, Pa.
Warner, Geo. H., architect, Catskill, N. Y.
Warner, Geo. W., contractor, 29 Circular av, New Haven, Conn
Warner Hammer Co., Cromwell, Conn.
Warner Hardware Co., 13 S. 6th, Minneapolis, Minn.
Warner Iron Co., blast furnaces, Nashville, Tenn.
Warner, J. Foster, architect, Granite Bldg., Rochester, N. Y.
Warner Jewelry Case Co., 642 Mich. av, Buffalo, N. Y.
Warner Lamp Co., Davenport, Ia.
Warner-Lenz Co., automobile lenses, 914 S. Mich. av, Chicago, Ill
Warner Mfg. Co., engraving machines, 810 Citizens' Bldg., Cleveland, Ohio.
Warner Mfg. Co., hdwe. mfrs., Greenfield, Mass.
Warner Mfg. Co., woven labels, Paterson, N. J.
Warner-Miller Co., masons' & bldrs.' matls., New Haven, Conn.
Warner-Newton Lbr. Co., Grand Rapids, Mich.
Warner, P. B., contractors & railroad equipment, Culloms Station, Cincinnati, Ohio.
Warner-Quinlan Asphalt Co., contractors, 79 Wall, New York.
Warner Silver Co., colonial candlesticks, Bridgeport, Conn.
Warner Sugar Refining Co., 79 Wall, New York.
Warner & Swasey Co., mach. tools, 5809 Carnegie av, Cleveland, Ohio
Warner, T. W., Co., automobile gears, levers, etc., Muncie, Ind.
Warner, W. R., & Co., brushes, 136 Centre, New York.
Warnick, E. H., artificial limbs, Wilkes-Barre, Pa.
Warnke Bros. Co., cornices & skylights, Toledo, Ohio.
Warnock Mfg. Co., makers of pipe wrenches & pipe vises, 54 Commercial, Worcester, Mass.
Warnock & Ralston, soap, Rock Island, Ill.
Warnock, W. H., whol. hdwe., Magnolia, Ark.
Warnola Mfg. Co., Inc., metallic tubing, 73-75 Wooster, New York
Warns, Wm. H., machst., Painted Post, N. Y.
Warp Compressing Mach. Co., Worcester, Mass.
Warp Twisting-In Mach. Co., 260 Van Brunt, Brooklyn, N. Y.
Warren, A. J., Brush Co., 79 Elm, Cincinnati, Ohio.
Warren Axe & Tool Co., axes & logging tools, Warren, Pa.
Warren & Bailey Co., mill & fact'y supp, etc., 214 E. 3rd, Los Angeles, Cal.
Warren, Balderston & Co., mill & facty. & plumbers' supplies, Trenton, N. J.
Warren, Benj. R., & Sons, contractors, Princeton, N. J.
Warren Brass Fdry. Co., lavatory legs, Warren, Ohio.
Warren Brick & Tile Co., Warren, Ohio.
Warren Bros. Co., contrs., Railway Exchange Bldg, St. Louis, Mo.
Warren Bros. Co., general contractors, 142 Berkeley, Boston, Mass.
Warren Bros. Co., paints, etc., plate & window glass, Nashville, Tenn.
Warren Chemical & Mfg. Co., 17 Battery pl, New York.
Warren Chemical & Mfg. Co., asphalt paving contrs, 303 Main W., Rochester, N. Y.
Warren City Tank & Boiler Co., Warren, Ohio.
Warren & Clark, architects, 489 5th av, New York.
Warren Co., pulley covering, Niles, Mich.
Warren Constr. Co., Jamestown, N. Y., & Journal Bldg., Portland, Ore.
Warren Cotton Oil Mfg. Co., Warren, Ark.
Warren County Fertilizer Co., Warrenton, Ga.
Warren & Dellwardt Co., plumbers' supplies, jobbers, 109 Seneca, Buffalo, N. Y.
Warren, Edgar, Co., cornices, 116 N. 16th, Philadelphia, Pa.
Warren, Edward V., architect, 207 Market, Newark, N. J.
Warren Evaporator Wks., Warren, Ohio.
Warren Fertilizer Co., Warren, Pa.
Warren Fdry. & Mach. Co., Phillipsburg, N. J.
Warren, Fred B., architect, 108 E. 39th, New York.
Warren G. Black Oil Co., Century Bldg, Cleveland, O.
Warren & Gerrish, Inc., architects, 518 New York Blk., Seattle, Wash.
Warren Handle Wks., Cortland, Ohio.
Warren Hardware Co., Warren, Ohio.
Warren, Harry E., architect, 37 Liberty, New York.
Warren-Harshman Canning Co., Saratoga, Ind.
Warren Iron & Steel Co., Warren, Ohio.
Warren, J. C., contractor, Sedalia, Mo.
Warren, J. D., Mfg. Co., h'dwe store fixtures, glass sectional shelving, etc., Masonic Temple, Chicago, Ill.
Warren, J. F., & W. H. Co., mill & facty. supplies, Worcester, Mass.
Warren, J. M., & Co., mill & facty supplies, who. hrwe, Troy, N. Y.
Warren, Jas. D., htg. contrs., Albany, N. Y.
Warren, Jas. W., Bldg Co., Elizabeth, N. J.
Warren, John B., architect, Essex Bldg., Newark, N. J.
Warren-Knight Co., engng. instruments, 136 N. 12th, Phila., Pa.
Warren-Lamb Lbr. Co., Rapid City, S. D.
Warren Leather Goods Co., advtg. nov. & spec., Worcester, Mass.
Warren Lubricant Co., 27 Coenties slip, New York, & 22 Maurice, Buffalo, N. Y.
Warren Machine & Iron Works Co., Warren, Minn.

arren Mach. Products Co., auto axles, air compressors & gun lathes, Warren, Pa.
arren Mfg. Co., cotton sheetings, Warren, R. I.
arren Mfg. Co., hammocks, belting, press cloths, etc., Warren, Md.
arren Mfg. Co., paper & pulp mills, 217 Morgan av, Brooklyn, N. Y., & 233 B'way, New York.
arren Metal Co. See Sharon Iron & Metal Co. (successors)
arren Milling Co., flour, Nashville, N. C.
arren Mirror Wks., Warren, Pa.
arren Moore & Co., contractors, Commercial Trust Bldg., Phila., Pa.
arren Motor Truck Co., Warren, O.
arren Oil Co., lubrg., Warren, Pa.
arren Packing Co., canned goods, Portland, Ore.
arren Paint & Color Co., Nashville, Tenn.
arren Paint Co., Warren, Ohio.
arren Parchment Co., paper, Dexter, N. Y.
arren Piano Co., Warren, Pa.
arren Products Co., Inc., chemicals, 265 Canal, New York
*See adv. index at end of book*
arren Refining & Chemical Co., metal polish, etc., 9420 Meech av, Cleveland, Ohio
arren Refining Co., petroleum products, Warren, Pa.
arren, S. D., Co., Inc., paper & pulp mills, 200 Devonshire, Boston, Mass.
arren Soap Mfg. Co., mill soap mfrs., 77 Summer, Boston, Mass.
arren & Southwick Carriage Co., 337 Cleveland av, Columbus, Ohio.
arren Specialty Co., soap, Warren, Pa.
arren Specialty Mfg. Co., pullers, West Farmington, Ohio
arren Stamping Co., lanterns, Warren, O.
arren Stave Co., Warren, Ark.
arren Steam Pump Co., Warren, Mass.
arren Steel Casting Co., 3400 Mawry av, St. Louis, Mo.
arren Tool & Forge Co., railroad & contractors' tools, Warren, Ohio. *See adv index at end of book*
arren Veneer & Panel Co., Warren, Pa.
arren, W. T., architect, Empire Bldg., Birmingham, Ala.
arren, W. Thread Wks., Westfield, Mass.
arren Walter G. & Co., decorative elec. lighting, 1401 W. Jackson Bl., Chicago, Ill.
ashawsky & Co., plbrs. supplies, 1915 S. State, Chicago, Ill.
aren & Wetmore, architects, 16 E. 47th, New York.
arrensburg Canning Co., Warrensburg, Ill.
arrenton Clam Co., canned goods, Warrenton, Ore.
arrenton Flour Mills, Warrenton, Va.
arriner, R. B., handles, Jetersville, Va.
arrior Fertilizer Co., Northport, Ala.
arsaw Button Co., Warsaw, N. Y.
arsaw Elevator Co., passenger & freight elevators, Warsaw, N. Y. *See adv. index at end of book.*
arsaw-Wilkinson Co., agricultural implements, Warsaw, N. Y.
ashauer Alex., mattresses, 124 Ralph av, Brooklyn, N. Y.
ashavsky, A. W., metallic shades & reflectors, 187 B'way, Brooklyn, N. Y.
ash, John F., brooms, 514 W. 46th, New York
ashwick China Co., Wheeling, W. Va.
ashwick & Collins, contractors, 108 S. 8th, Brooklyn, N. Y.
ashwick Co., flour, Massillon, O.
ashwick Const. Co., coke oven const., 1048 W. Harrison, Chicago, Ill.
ashwick Mach. Co., Newport News, Va.
atkick, W. R., cornices, Long Branch, N. J.
atwood Tool Co., picks, mattocks, etc., Warwood, Wheeling, W. Va.
auburn Bros. Co., brick, Glasco, N. Y.
auco Warehouse Milling Co., masons' & bldrs.' matls., The Dalles, Ore.
aukesha Milling Co., cereal foods, Waseca, Minn.
aukon Plaster Co., Fort Dodge, Iowa.
ave-Easy Co., washing machines, 2427 W. 14th, Chicago, Ill.
awburn Bros. Co., masons' & bldrs.' matls., ft. of Jersey av Jersey City, N. J.
awburn Canning Co., Washburn, Mo.
awburn-Crosby Co., feed, 2d fl., Chm. Com., Minneapolis, Minn.
awburn, Ed. F., architect, 101 Park av, New York
awburn & Fowler, brick, Grassy Point & Haverstraw, N. Y.
awburn, G. W., & Son, brick yard, Catskill, N. Y.
awburn & Garfield Mfg. Co., steam fitters' supplies, Worcester, Mass.
awburn, Geo. H., architect, Burlington, Iowa.
awburn, Geo. P., & Son, architects, Ottawa, Kan.
awburn & Granger, grate bar mfrs., 50 Church, New York.
awburn, Ira D., Co., glass, paint, 906 Central av, Cincinnati, Ohio.
awburn, Lettic R., & Co., patterns & models, New Bedford, Mass.
awburn Lbr. Co., Longstreet, La.
awburn, N. S., Lumber Co., Sturgeon Bay, Wis.
awburn, O. S., & Son, dry docks, Charlevoix, Mich.
awburn Shops, castings, drilling mchs., etc., Worcester, Mass.
awburn, Thos. F., Co., varnish mfrs., 2213 Lister av, Chicago, Ill.

Washburn, U. F., & Co., brick, Grassy Point & Haverstraw, N. Y.
Washburn, U. F., & J. T., brick, East Kingston, N. Y.
Washburn, Williams & Co., lbr. mfrs., Scranton, Pa.
Washburn Wire Co., Phillipsdale, R. I.
Washburne, Edw. G., & Co., lightning rods, 207 Fulton, New York.
Washed Sand & Gravel Co., Superior blvd. & City Limits, Minneapolis, Minn.
Washington Auto Supply Co., spark plugs, Washington, Ill.
Washington Brick Co., Washington, Pa.
Washington Brick Lime & Sewer Pipe Co., Spokane, Wash.
Washington Brick & Terra Cotta Co., 911 H. N. W., Washington, D. C.
Washington Broom & Woodenware Co., corn, Seattle, Wash.
Washington Buggy Co., Washington, N. C.
Washington Bldg. Lime Co., Equitable Bldg., Baltimore, Md.
Washington Casket Co., coffins, etc., Seattle, Wash.
Washington Coal & Coke Co., bituminous, Dawson, Pa.
Washington Cob Pipe Works, Washington, Mo.
Washington Construction Co., 118 N. La Salle, Chicago, Ill.
Washington Cutlery Co., Watertown, Wis.
Washington Elevator Co., freight, Seattle, Wash.
Washington Excelsior & Mfg. Co., Edmonds, Wash.
Washington Guarantee Roofing Co., cornices, 718 Westchester av, New York.
Washington Handle Co., Washington, C. H., Ohio.
Washington Hdwe. Co., Inc., whol., 257 Greenwich, New York
Washington Iron Works, Los Angeles & Sherman, Tex.
Washington Iron Works, machsts. & fndrs., Seattle, Wash.
Washington & Lee University, engng. school & coll., Lexington, Va.
Washington Lbr. & Box Co., Gertrude, Wash.
Washington Machinery Depot, 1924 Pacific av, Tacoma, Wash.
Washington Machy. & Supply Co., mill & facty. supplies, Spokane, Wash.
Washington Machy. & Supp. Co., log loaders, Spokane, Wash.
Washington Mfg. Co., handles, Washington, C. H., Ohio.
Washington Mfg. Co., porch columns, Tacoma, Wash.
Washington Mfg. Co., sashes, doors & blinds, Washington, Ga.
Washington Mattress Co., Seattle, Wash.
Washington Mills Co., cotton sheetings, Mayodan, N. C.
Washington Mills Emery Mfg. Co., North Grafton, Mass.
Washington Monumental & Cut Stone Co., Spokane, Wash.
Washington Oil Co., cottonseed meal, Washington, La.
Washington Ornamental Iron Wks, Spokane, Wash.
Washington Packing Co., meat packers, Washington, Pa.
Washington Pipe & Foundry Co., steam casings, Tacoma, Wash.
Washington Portland Cement Co., Seattle, Wash.
Washington Rubber Co., mill & factory supplies, 1000 F, N. W., Washington, D. C.
Washington Sheet Metal Works, cornices & skylights, Seattle, Wash.
Washington Slate Co., Slatington, Pa.
Washington Steel & Ordnance Co., machsts. & fndrs., Giesboro Point, D. C.
Washington Stove Works, Everett, Wash.
Washington Street Brass & Iron Foundry, Lebanon, Pa.
Washington Tin Plate Co., Washington, Pa.
Washington Tool Co., Owatonna, Minn.
Washington University, engng. schools & colls., Skinker & Lindell, St. Louis, Mo.
Washington Water Power Co., Spokane, Wash.
Washington Weeder Works, Walla Walla, Wash.
Washington Woodworking Co., 200 12th, N. W., Washington, D. C.
Wasmansdorff & Eastman, architects, Lewiston, Mont.
Wasmuth-Endicott Co., cabinets, kitchen, Andrews, Ind
Wason Mfg. Co., machsts. & fndrs., Springfield, Mass.
Wasser-Mowat Shingle Co., lumber, Edmonds, Wash.
Wasserstrom, L. B., razor strops, 91 Gild, New York
Wasson Coal Co., Harrisburg, Ill.
Wasson Piston Ring Co., Plainfield, N. J.
*See adv index at end of book*
Wasson Reel Co., Clinton, Ill.
Wasson Stanchion Co., Cuba, N. Y.
Wasson, T. J., masons' & bldrs.' matls., Peoria, Ill.
Wasson Trolley & Mfg. Co., Milwaukee, Wis.
Waste Trade Journal, trade publication, 150 Lafayette, New York.
Wasuc Mills Co., paper & pulp mill—binders' boards, South Glastonbury, Conn.
Watab Pulp & Paper Co., Sartell, Minn.
Watauga Flouring Mill, Elizabethton, Tenn.
Watauga Roller Mills, Sugar Grove, N. C.
Watchung Stone Co., Plainfield, N. J.
Watelsky & Co., scrap iron, rubber, 307 Baymiller, Cincinnati, Ohio.
Water Arch Furnace Co., 38 S. Dearborn, Chicago, Ill.
Water Gas Carburetor Co., 1504 Grand av, Kansas City, Mo.
Water Works Equipt. Co., water work spec., 50 Church, New York.
Waterall, Wm., & Co., enamels, paints & wood fillers, Front & Mechanic, Philadelphia, Pa., & Camden, N. J.
Waterbury Battery Co., Waterbury, Conn.
Waterbury Brass Goods Corp., fndrs., Waterbury, Conn.
Waterbury Buckle Co., Waterbury, Conn.

Waterbury Button Corporation, buttons, metal, ivory & composition brass goods & moulded composition mfrs., 831 So. Main, Waterbury, Conn. *See adv. index at end of book*
Waterbury Castings Co., Waterbury, Conn.
Waterbury, Chas. D., architect, 64 E. Van Buren, Chicago, Ill.
Waterbury Clock Co., Waterbury, Conn.
Waterbury Co., fibre & wire rope, tarred yarn, etc., 63 Park Row, New York.
Waterbury, Edwin H., architect, Torrington, Conn.
Waterbury Etching Co., etched metal signs, Waterbury, Conn.
Waterbury Farrel Fndry. & Mach. Co., Waterbury, Conn.
Waterbury Felt Co., Skaneateles Falls, N. Y.
Waterbury Fndry. Co., Waterbury, Conn.
Waterbury, H., & Sons Co., horse blankets, felts, etc., Oriskany, N. Y.
Waterbury Lbr. Co., 107 Meadow, Waterbury, Conn.
Waterbury Mach. Co. See Waterbury Farrel Fdry. & Mach. Co. (successors)
Waterbury Mfg. Co., makers of brass goods from rod, wire, sheet, castings, brazed brass & copper tubing, small sizes of seamless brass & copper, tubing tools for making over 35,000 different brass articles, Waterbury, Conn.
Waterbury Mattress Co., Waterbury, Conn.
Waterbury Rolling Mills, Waterbury, Conn.
Waterbury Sand & Gravel Co., Waterbury, Conn.
Waterbury Scrap Iron Co., Waterbury, Conn.
Waterbury Sheet Metal Wks., cornices, Waterbury, Conn.
Waterbury Steel Ball Co., steel bearing & burnishing balls & snap fasteners mfrs., 300 Aurora, Waterbury, Conn. *See adv index at end of book*
Waterbury Tool Co., transmission & variable speed changing gear mfrs., Waterbury, Conn.
Waterbury-Wallace Co., elec. lamps, 100 Lafayette, New York.
Waterbury Welding Co., fndry., riddles, auto supplies, etc., Waterbury, Conn
Waterford Canning Co., Waterford, Ky.
Waterhouse, Chas. B., architect, 257 Main av, Passaic, N. J.
Waterhouse, Charles R., Jr., dock bldr., 74 Park, New Haven, Conn.
Waterhouse, Frank, & Co., ship bldrs., Seattle, Wash.
Waterhouse, H., fndrs., Wheeling, W. Va.
Waterhouse & Lester, who. h'we., 540 Howard, San Francisco, Cal.
Waterhouse Welding Co., 15 Pelham, Boston, Mass.
Waterloo Bending Co., carriage shafts & poles, Waterloo, Ind.
Waterloo Brass Fdry., Waterloo, Ia.
Waterloo Broom Co., Waterloo, Ind.
Waterloo Canning Assn., Waterloo, Wis.
Waterloo Canning Co., Waterloo, Ia.
Waterloo & Cedar Falls Union Mill Co., flour, Cedar Falls, Ia.
Waterloo Cement Machy. Corp., Waterloo, Ia.
Waterloo Const. Co., reinfg. bar benders, Waterloo, Iowa.
Waterloo Engr. & Service Co., advtg. spec., Waterloo, Ia.
Waterloo Fdry. Co., Waterloo, Ia.
Waterloo Gasoline Engine Co., Waterloo, Ia.
Waterloo Hdw. Co., Waterloo, Ia.
Waterloo Lumber Co., Waterloo, Ia.
Waterloo Mfg. Co., mill & facty. & pumbers' supplies, Waterloo, Ia.
Waterloo Register Co., Waterloo, Ia.
Waterloo Saddlery Co., Waterloo, Ia.
Waterloo Steam Boiler Works, Waterloo, Ia.
Waterloo Varnish Mfg. Co., Waterloo, Ia.
Waterloo Wagon Co., Ltd., auto bodies & carriages, Waterloo, N. Y.
Waterloo Woolen Mfg. Co., woolen carriage cloth, Waterloo, N. Y.
Waterman, A. A., & Co., fountain pen mfrs., 170 B'way, New York.
Waterman, Francis E., architect, 36 Pearl, Hartford, Conn.
Waterman, Harlan P., contractor, Hartford, Conn.
Waterman, Harry H., architect, 10 S. La Salle, Chicago, Ill.
Waterman, Hy., & Bro., gas, oil stoves & heaters, 195 Lewis, New York.
Waterman & Judge, floor mosaics, 39 Court, Boston, Mass.
Waterman, L. E., Co., fountain pen mfrs., 191 B'way, New York.
Waterman Lbr. & Supply Co., Waterman, Texas.
Waterman Motor Co., elect. lighting systems, marine reverse gears, etc., 235 Mt. Elliott av, Detroit, Mich.
Waterman, R. C., & Co., nails, tacks, S. Hanover, Mass.
Waterman Smith A., l'br., Watervliet, N. Y.
Waterman, Store, who. h'dwe., Albion, N. Y.
Waterman Supply Co., mill & factory supplies, Fall River, Mass.
Waterman-Waterbury Co., boilers & furnaces, 1121 Jackson N. E., Minneapolis, Minn.
Waterous Engine Wks. Co., 62 S. Robert, St. Paul, Minn.
Waterproof Paint Co., Watertown, Mass.
Waterproof Paper & Board Co., 427 E. 6th, Cincinnati, O.
Waterproofing Co., 345 E. 33d, New York.
Waters, A. S., brass castings, Salem, Mass.
Waters & Brown, masons' & bldrs.' matls., Salem, Mass.
Waters, Clark Lbr. Co., Duluth, Minn.
Waters, D. F., dyeing machy., 55 Wister, Phila., Pa.
Waters-Garland Co., belt fasteners, steam fitters' supplies, etc., 419 W. Main, Louisville, Ky.
Waters, Geo. E., & Co., Lbr. Mfrs., 922 Park av, Baltimore, Md.
Waters, Geo. W., Co., masons' & bldrs.' matls., Laurel, Md.



Waters Governor Co., 141 Milk, Boston, Mass.
Waters, H. C., & Co., mill & facty. supplies & masons' & bldrs.' matls., Paw Paw, Mich.
Waters, Horace, & Co., pianos, 134 5th av, New York.
Waters, John, Bldg. Co., 23 E. Center, Baltimore, Md.
Waters, L. C., architect, Knoxville, Tenn.
Waters & Osborn Co., sash, door & blind, Red Bank, N. J.
Waters, Thos. J., Co., contractors, 271 W. 125th, New York.
Waters, Wm., architect, Oshkosh, Wis.
Waterson, J. C., machsts., Elkhart, Ind.
Watertite Drain & Scupper Co., 351 Lexington av, New York.
Watertown Auto. & Supply Co., auto springs, Watertown, N. Y.
Watertown Brick Co., Watertown, S. D.
Watertown Canning Co., Watertown, Wis.
Watertown Lumber Co., Watertown, Mass.
Watertown Machine Co., Watertown, Wis.
Watertown Mfg. Co., insulators, Watertown, Conn.
Watertown Mattress Mfg. Co., Watertown, N. Y.
Watertown Milling Co., flour, Watertown, Tenn.
Watertown Specialty Co., machsts., Watertown, N. Y.
Watertown Table Slide Co., Watertown, Wis.
Waterville Fdry. & Mfg. Co., Waterville, N. Y.
Waterville Granite & Marble Co., Waterville, Me.
Waterville Iron Works, mchsts. & fndrs., Waterville, Me.
Waterville Mach. Wks., machsts, Waterville, Conn.
Watervliet Arsenal, light & heavy ordnance, Watervliet, N. Y.
Watervliet Paper Co., Watervliet, Mich.
Watervliet Tool Co., Inc., bridges reamers, end mills & milling cutters, Albany, N. Y.
Wathen Milling Co., Louisville, Ky.
Watkin, M., machsts., 35 Pike, New York.
Watkin, Wm., architect, Ward Scanlan bldg., Houston, Tex.
Watkins, B. F., & Co., fertilizer, Jackson, Ga.
Watkins, Chas. H., heating contractors, Newton, N. J.
Watkins, Chas. & Son, contractors, Plymouth, Pa.
Watkins, Cottrell Co., wholesale hardware, 14th & Dock, Richmond, Va.
Watkins, E. A., & Bros., lumber mfrs., Norfolk, Va.
Watkins Engineering Supply Co., mill & facty. supplies, 137 High, Boston, Mass.
Watkins, Ernest R., architect, Anderson, Ind.
Watkins, J. B., & Co., masons' & bldrs.' matls., South Omaha, Neb.
Watkins, Jas. E., contractor, Amesbury, Mass.
Watkins, Jas. Y., & Son, coppersmiths, oven bldrs., 20 Catherine, New York.
Watkins, Jno. B., sashes, doors & blinds, Henderson, N. C.
Watkins Lumber Co., Mena, Ark.
Watkins Machine Works, Berwick, La.
Watkins Motor Co., machsts., 828 W. 6th, Cincinnati, Ohio.
Watkins Packing Co., Odessa, Del.
Watkins, Robert G., contrs., Amesbury, Mass.
Watkins, S. E., & Sons, architects, Sherwood, Ore.
Watkins, Thos., pipe jointers, Johnstown, Pa.
Watling Mfg. Co., machsts., 1029 W. Adams, Chicago, Ill.
Watrous, Acme Mfg. Co., hardware, Des Moines, Ia.
Watrous Co., faucets, lavatories, pipes, valves, etc., 524 S. Racine, Chicago, Ill.
Watrous, F., brick, Chelsea, N. Y.
Watrous Mfg. Co., table silverware, Wallingford, Conn.
Watrous Mfg. Co., toy metal bldg. materials, East Hampton, Conn.
Watrous Varnish Co., 20th & Tasker, Phila., Pa.
Watson, A. O., architect, E. 6th & Brazos, Austin, Tex.
Watson, A. R., brick, Mount Orab, O.
Watson, A. W., Brick Co., Greensboro, N. C.
Watson, A. W., & W. M. Co., lbr., sash, door & blind mfrs., Newton, Pa.
Watson, Andw., scrap iron & steel, 44 Withers, B'klyn, N. Y.
Watson Bros., contractors, Gloucester, Mass.
Watson Bros., mica, 170 Purchase, Boston, Mass.
Watson Bros. Co., canned goods, Greenwich, N. J.
Watson Bros. & Co., flour mills, Cameron, W. Va.
Watson Bros. Mach. Co., cordage machy., Bound Brook, N. J.
Watson Bros. Iron Wks., Albany, Ore.
Watson Bros. Steel Co., plates & sheets, Youngstown, Ohio.
Watson, C. David L., heat, hot water generators, Terre Haute, Ind.
Watson Cement & Coal Co., masons' & bldrs.' matls., Lima, O.
Watson Co., contractors, Dallas, Tex.
Watson Co., silver novelties, Attleboro, Mass.
Watson Constr. Co., 123 William, New York.
Watson Contracting Co., 1311 Huntsville rd., Birmingham, Ala., & H. R. & Fordham rd, New York.
Watson, Daniel, contractor, 49 Belden pl., San Francisco, Cal.
Watson, D. W., Son & Co., mill & facty. supplies, Terre Haute, Ind.
Watson Engineering Co., Hippodrome Bldg., Cleveland, Ohio.
Watson, Fitzgerald, Co., common brick, Danville, Va.
Watson, Frank C., architect, Wallingford, Pa.
Watson, Frank R., architect, 1211 Walnut, Phila., Pa.
Watson, Frye Co., Ltd., marine hdwe., castings, paper mill & shipbldrs. machy., etc., Bath, Me.
Watson, Gavin F., stone producers, E. 72d & Blackstone av, Chicago, Ill.
Watson, Geo., contractor, New Rochelle, N. Y.
Watson, Geo., contr., Chatsworth, Ill.

tson, Geo. E., Co., paint & varnish mfrs., 62 W. Lake, Chicago, Ill.
tson Hdwe Co., Ashland, Ky.
tson, H. F., Co., asbestos matls., Erie, Pa.
tson-Higgins Milling Co., flour, Grand Rapids, Mich.
tson, J. D., & Co., paints, New Brunswick, N. J.
tson, Jas. A., architect, 34 Warburton av, Yonkers, N. Y.
tson, Jas. H., & Co., contrs., Kokomo, Ind.
tson, Jas. H., Co., metallic window frame & sash, Bradley, Ill.
tson, Jno., contractor, 4004 N. Capital av, Indianapolis, Ind.
tson, John, starch mfr., Houlton, Me.
:son, Jno. B., Co., ry. supp., Witherspoon Bldg., Phila., Pa.
tson, John C., architect, 271 W. 125th, New York.
tson, John C., steam fittrs. supps., Terre Haute, Ind.
:son, John & Co., mill & facty. supplies, who. h'dwe., Houlton, Me.
:son, John, & Sons Co., mchsts. & fndrs., Trenton, N. J.
:son, L. F., architect, 215 W. 7th, Los Angeles, Cal.
'son, L. S., Mfg. Co., mill & facty. supplies, Leicester, Mass.
son Lands Lbr. Co., Nebraska, Pa.
son & McDaniel Co., steam specialties, 146 N. 7th, Phila., Pa.
son Mach. Co., Paterson, N. J.
son Mfg. Co., incubators, Lancaster, Pa.
son Mfg. Co., machsts., Toledo, Ohio.
son Mfg. Co., metal furniture, screens, etc., Jamestown, N. Y.
son, N. A., machsts., Erie, Pa.
son-Penfield Corp., plumbers' supplies, jobbers, New Bedford, Mass.
son & Robinson, sash, door & blind mfrs., 49 Queen, Gtn., Philadelphia, Pa.
son-Stillman Co., hydraulic machinery, jacks & presses, 38 Church, New York. *See adv index at end of book.*
son, T. F., & Bro., masons' & bldrs.' matls., Coraopolis, Pa.
son, Thos. S., Co., voltage regulators, 537 Hartford av, Milwaukee, Wis.
son, V. S., architect, 189 W. Madison, Chicago, Ill.
son, W. A., mill & facty. supplies, Greensburg, Ind.
son Wagon Co., Canastota, N. Y.
son, Wm., Mach. Co., Trenton, N. J.
son's Forge & Mach. Wks., 553 W. 35th, New York.
sontown Brick Co., Watsontown, Pa.
sontown Door & Sash Co., Watsontown, Pa.
t Bros., stone producers, Lafayette, O.
t, F. N., Co., coffins, etc., Richmond, Ind.
:, Francis, & Co., mill & facty. supplies, 149 S. Front, Phila, Pa.
t Hardware Co., Waycross, Ga.
t & Holmes Hardware Co., Cordele, Ga.
t, James & Bros., tires, poles & posts, Thomasville, Ga.
t Mining Car Wheel Co., Barnesville, O.
t & Mitchell, common brick, Princeton, Ind.
: Plow Co., Richmond, Va.
:, Robt. Mfg. Co., gas radiators, 1701 N. 20th, Phila., Pa.
: & Sinclair, contractors, 348 W. 27th, New York.
:ers, Chas. H., contractor, Akron, O.
ers & Martin, hardware, who., Norfolk, Va.
erson, H. A., & Son, contrs., Citizens' Bldg, Cleveland, O.
erson, Henry, contractor, 4500 Euclid av, Cleveland, O.
erson, Wm. R., architect, Guardian Bldg., Cleveland, O.
erworth & Fee, bldg. contrs., Duluth, Minn.
is, L. R., Co., contrs., Newhouse Bldg., Salt Lake City, Utah.
les, Richard H., fertilizer mfrs., Alexandria, Va.
rous, Ray, contractor, 249 Edison, Salt Lake City, Utah.
s, Albert S., architect, Pikesville, Md.
s Bros., lumber, Campbellstown, O.
s, Campbell Co., mchsts. & fndrs., 298 Ogden, Newark, N. J.
s & Craig, architects, Guardian bldg, Cleveland, Ohio.
s, G., cornices, Honesdale, Pa.
s, H. D., Co., contractors, Riggs Bldg., Washington, D. C.
s, J. H., sash, door & blind mfrs., Harriman, Tenn.
s, J. Murray, naval architects, Bulletin Bldg., Phila. Pa.
's, John M., Sons, boiler oil feeders, packing mfrs. belt dressing, etc., 54 N. 2d, Phila., Pa.
s Laundry Machine Co., Willimantic, Conn.
s Mfg. Co., agricultural implements, Jackson, Mich.
s Mills, cotton sheetings, Laurens, S. C.
s Regulator Co., steam specialties, mfrs., 250 Lowell, Lawrence, Mass.
s & Stern, machsts., 1303 Buttonwood, Phila., Pa.
son & Spicer, contractors, 405 S. Hill, Los Angeles, Cal.
l Mfg. Co., elec. portables, 1193 B'way, New York.
h Draft Gear Co., Peoples' Gas Bldg., Chicago, Ill.
esha Fdry. Co., Waukesha, Wis.
esha Lime & Stone Co., Waukesha, Wis.
esha Malleable Iron Co., castings, Waukesha, Wis.
esha Mfg. Co., packing box, Waukesha, Wis.
esha Motor Co., machsts. & fndrs., Waukesha, Wis.
aca Felting Mill, Waupaca, Wis.
aca Sand & Gravel Co., Waupaca, Wis.
aca Starch Co., Waupaca, Wis.
un Canning Co., Waupun, Wis.
au Abrasives Co., sand paper, 118 S. Clinton, Chicago, Ill.
au Box & Lumber Co., Wausau, Wis.

Wausau Canning Co., Wausau, Wis.
Wausau Fix. & Furn. Co., draughting tables, Wausau, Wis.
Wausau Foundry & Machine Co., Wausau, Wis.
Wausau Iron Works, machsts. & fndrs., Wausau, Wis.
Wausau Lbr. Co., Wausau, Wis.
Wausau Novelty Co., turned wood nov., Wausau, Wis.
Wausau Paper Mills Co., Brokaw, Wis.
Wausau Quartz Co., Wausau, Wis.
Wausau Southern Lumber Co., Wausau, Wis.
Wausau Sulphate Fibre Co., Mosinee, Wis.
Wauseon Lumber & Supply Co., Wauseon, Ohio.
Waushara Granite Co., 133 W. Washington, Chicago, Ill.
Wauwatosa Stone Co., 204 Grand, Milwaukee, Wis.
Waverly Brick & Tile Co., Waverly, Ill.
Waverly Co., storage battery trucks, 139 S. East, Indianapolis, Ind.
Waverly Htg. & Supply Co., furnace pipe, 52 Union, Boston, Mass.
Waverly Mfg. Co., machsts. & fndrs., Jefferson, Wis.
Waverly Novelty Co., electric clocks, 806 Bessemer Bldg., Pittsburgh, Pa.
**WAVERLY OIL WORKS CO,,** oil refiners, 54th & A. V. R. R., Pittsburgh, Pa. *See adv. index at end of book.*
Waverly Paper Box Board Co., Weston av, Newark, N. J.
Wax Brush Co., yarn brushes, mops & dusters, mfrs., 56 Sanford, Boston, Mass.
Waxahachie Cotton Mills, Waxahachie, Tex.
Waxene Size Co., Fall River, Mass.
Waxham Light Co., lamps & lanterns, 318 W. 46th, New York. *See adv. index at end of book*
Waxwell Motor Co., auto bldrs., Detroit, Mich.
Way-Cleanse Co., auto bldrs, Sandusky, O.
Way, C. W., Co., architects, Hastings, Neb.
Way, S. Harry, htg. contr., 12 Clay, Baltimore, Md.
Wayland Canning Co., Wayland, N. Y.
Wayland & Fennell, architects, Boise, Idaho.
Waymart Knitting Mill, sweaters, Waymart, Pa.
Waymoth, A. D., & Co., machsts., Fitchburg, Mass.
Wayne Agricultural Wks., Goldsboro, N. C.
Wayne Belting & Supply Co., mill & facty. supplies, Fort Wayne, Ind.
Wayne Brass Foundry Co., 4635 Butter, Pittsburgh, Pa.
Wayne Canning Co., Wayne, Mich.
Wayne County Canning Co., Ltd., Marion, N. Y.
Wayne Cut Glass Co., Towanda, Pa.
Wayne Iron Wks., Commercial Trust Bldg., Phila., Pa.
Wayne Junction Metal Cornice Co., 4545 Wayne, Gtn., Phila., Pa.
Wayne Lbr. Co., 110 W. 40th, New York.
Wayne Machy. Co., Ft. Wayne, Ind.
Wayne Mfg. Co., ash sieves, 2009 N. Croskey, Phila., Pa.
Wayne Mfg. Co., clothes washing machs., 124 Sidney, St. Louis, Mo.
Wayne Mfg. Co., flexible steel mats, 247 N. J. R. R. av, Newark, N. J.
Wayne Oil Tank & Pump Co., Fort Wayne, Ind.
Wayne Paper Goods Co., paper specialties, Ft. Wayne, Ind.
Wayne Scrap Iron & Metal Co., 119 Campbell av, Detroit, Mich.
Wayne Soap Co., soap powders, Copeland & M. C. R. R. Co., Detroit, Mich.
Wayne Specialty Co., stylographic pens, Ft. Wayne, Ind.
Wayne Spoke & Bending Co., Ft. Wayne, Ind.
Wayne Technical Institute, engng school. & coll., Greenville, O.
Wayne Works, agricultural implements & auto bldrs., Richmond, Ind.
Waynesboro Brick & Supply Co., Waynesboro, Pa.
Waynesboro Foundry & Machine Co., fndry., Waynesboro, Pa.
Waynesboro Milling Co., flour, Waynesboro, Va.
Waynesburg Brick & Stone Co., Waynesburg, Pa.
Waynesburg Carriage Co., Waynesburg, Ohio.
Waynesburg Pressed Steel Co., shovel, spade mfrs., Waynesburg, Pa.
Waynesfield Drain Tile Co., Waynesfield, Ohio.
Waynesville Canning Co., Waynesville, Ohio.
Wayte, W. J., Inc., cream separators, hydro-extractors, etc., 1 Liberty, New York.
W. D. Specialty Co., plbrs.' supp., Dallas, Tex.
Weaber, Adam, & Son, brass fndrs., Vineland, N. J.
Wead, Frederick W., architect, 119 Water, Boston, Mass.
Weakley, Frank M., Seymour, Conn.
Weakley, Raymond D., architects, Cent. Nat. Bank Bldg., St. Louis, Mo.
Weakley-Watson-Miller Hardware Co., Brownwood, Tex.
Weaks Supply Co., machsts. & fndrs.—mill & facty supplies, Monroe, La.
Wear, Frank M., htg. contr., 206 E. 29th, New York.
Wear-Proof Mat Co., 500 S. Peoria, Peoria, Ill.
Wearcrete Engineering Co., concrete hardener & mastic floors, Peoples' Gas Bldg., Chicago, Ill.
Weare, Samuel W., machsts. & fndrs., Salisbury, Mass.
Wearn, J. H., & Co., masons' & bldrs.' matls., Charlotte, N. C.
Wearne Bros., machsts. & fndrs., Omaha, Neb.
Weart & Lysaght Co., masons' & bldrs.' matls., Cherokee, Ia.
Weary & Alford Co., bank fixtures, 1732 Michigan av, Chicago, Ill.
Weary & Beck, mosaics, 1732 S. Michigan av, Chicago, Ill.
Weary, F. O., architect, E. Market, Akron, Ohio.

Weathered Co., horticultural arches, Orient & West End avs. Jersey City, N. J.
Weatherford Milling Co., flour, Weatherford, Okla.
Weatherhead, Thompson & Co., textile machy., Pawtucket, R. I.
Weatherhogg, Chas. R., architect, Hamilton Nat'l Bk. Bldg., Fort Wayne, Ind.
Weatherholt, Marion, ties, Cloverport, Ky.
Weatherly Co., bk. railings, cornices, htg. contrs., etc., Grand Rapids, Mich.
Weatherly Fdry. & Mach. Co., Weatherly, Pa.
Weatherproof Calking Co., calking putty & paste, Minneapolis, Minn.
Weather-Proof Watering Trough & Tank Mfg. Co., Canton, Mo.
Weatherproofing Nail Co., nail mfrs., Baltimore, Md.
Weathers, P. H., architect, 605½ N. California av, Oklahoma, Okla.
Weathers Poke Co., Windsor, Mo.
Weatherwax, Harry, architect, Yakima, Wash.
Weaver, A. E., architect, Penobscot Bldg., Detroit, Mich.
Weaver Bros., lumber mfrs., Shreveport, La.
Weaver Bros., masons' & bldrs.' matls., Galion, Ohio.
Weaver Bros., Co., masons' & bldrs.' matls., Crestline, Ohio.
Weaver Building & Supply Co., contrs., Hudson, N. Y.
Weaver, C. B., Constr. Co., 405 S. Hill, Los Angeles, Cal.
Weaver, C. C., contractor, Sharon, Pa.
Weaver, C. J., architect, Sharon, Pa.
Weaver, Calvin, contractor, Mechanicsburg, Pa.
Weaver & Co., machsts. & fndrs., New Oxford, Pa.
Weaver Contr. Co., Allentown, Pa.
Weaver, E. B., architect, 500 26th, San Diego, Cal.
Weaver, Ed. L., contr., Downs, Ill.
Weaver Hdwe. Co., 31 Main, E. Rochester, N. Y.
Weaver, Ira B., flour mills, Gloucester, Va.
Weaver, Jos. & Son, ship bldrs., Orange, Tex.
Weaver-Loughridge Lumber Co., Boyd, Fla.
Weaver Mailing Envelope & Box Co., 717 Arch, Phila, Pa.
Weaver Mfg. Co., machst., Springfield, Ill.
Weaver, Morve L., architect, Visalia, Cal.
Weaver Piano Co., York, Pa.
Weaver Pottery Co., Catlettsburg, Ky.
Weaver, R. S., lbr., Victoria, Va.
Weaver, Rudolph, architect, Pullman, Wash.
Weaver Specialty Co., soldering flux, 6344 Aurelia, Pittsburg, Pa.
Weaver & Stewart, architects & contractors, 222 Market, Harrisburg, Pa.
Weaver, Thomas L. S., architect, Newport, R. I.
Weaver's, Geo. F., Sons Co., brick, Utica, N. Y.
Webb, A. L., & Sons, alcohol, oils, Maryland Trust bldg, Baltimore, Md.
Webb-Baxter Co., machine knives, Anderson, Ind.
Webb Bros. Belting Co., 1304 Union av, Kansas City, Mo.
Webb Bros. Co., masons' & bldrs.' matls., Sioux City, Ia.
Webb, C. E., machst. & fndr., Fulton, Ky.
Webb, Chas. J., & Co., wool & cotton waste, 116 Chestnut, Phila., Pa.
Webb City & Carterville Fdry. & Mach. Wks., Webb City, Mo.
Webb, David R., Co., veneer mfrs., Edinburg, Ind.
Webb Electric Furnace Corp., 42 Church, New York. *See adv index at the end of book*
Webb, Elisha & Son Co., mill & facty. supplies & steam fitters' supplies, 136 S. Front, Phila., Pa.
Webb, F. P., & F. J., granite, Swanville, Me.
Webb, F. W. Mfg. Co., plumbers' supplies—jobbers, 56 Elm, Boston, Mass.
Webb Folding Box Co., Bogota, N. J.
Webb, Geo. A. & Son, contrs., 118 W. Madison, Chicago, Ill.
Webb Granite & Const. Co., crushed stone, Marlborough, N. H.
Webb, Gregory B., architect, 104 W. 42d, New York.
Webb, H. F., Co., canned goods, Portland, Me.
Webb Hinge Belt Hook Co., Boonton, N. J.
Webb, J. Beavor, naval architect, 27 Cedar, New York.
Webb, J. W., carriages, Plymouth, Ohio.
Webb, Jas. A., & Son, alcohol, 50 Stone, New York.
Webb-Jensen-Davis Co., printing inks, 597 Sackett, Brooklyn, N. Y.
Webb-Kunze Constr. Co., 5927 Fyler av, St. Louis, Mo.
Webb Mfg. Co., curtain poles, Brookville, Pa.
Webb Mfg. Co., wire belts, polishing apparatus, shafts, etc., 62 Center, Newark, N. J. *See adv index at end of book.*
Webb, Oliver W., architect, 544 49th, Milwaukee, Wis.
Webb Press Co., Ltd., machsts., Minden, La.
Webb, T. A. W., & Son, woolen blankets, Allensville, Pa.
Webb, W. H., canned goods, Bloomingdale, Ind.
Webb, Wm., lumber, Mud Lick, Ky.
Webb Wire Wks., New Brunswick, N. J.
Webber Co., contractors, 1609 W. 25th, Cleveland, Ohio.
Webber Const. Co., 29 W. 34th, New York.
Webber, Fred., architect, 606 Argonne bldg, Tacoma, Wash.
Webber, Geo. F., knitted gloves, 414 Gratiot, Detroit, Mich.
Webber Iron Works, Birmingham, Ala.
Webber, J. A., machst., 368 E. Washington, Portland, Ore.
Webber Lbr. & Supply Co., Fitchburg, Mass.
Webber, Peter J., architect, 343 S. Dearborn, Chicago, Ill.
Webber, P. H., Co., shock absorbers, Hooperston, Ill.
Webber, Richard, meat packer, 2191 3d av, New York.
Webendorfer, H., silk fringes, tassels, 338 E. 103d, New York.



Weber, A., & Co., canned goods, 1941 O'Fallon, St. Louis, Mo.
Weber, A., Co., wholesale hardware, Keokuk, Ia.
Weber, A. S., contractor, Erie, Pa.
Weber, Alfred P., architect, 117 W. Wash., Chicago, Ill.
Weber-Bahnemann Co., plate glass, Racine, Wis.
Weber Battery Co., 3306 W. Jackson blvd, Chicago, Ill.
Weber Brass Co., shade holders, Whitney Power blk., Clevelan Ohio.
Weber Bros. Metal Wks., machsts., 108 N. Jefferson, C cago, Ill.
Weber, C. C., & E. A., architects, Nt'l Bk. Bldg., Cincinnati, Ohi
Weber, C. F. & Co., school furniture, 365 Market, San Fra cisco, Cal.
Weber, C. H., linoleum mfr., 45 E. 17th, New York.
Weber, C. S., & Co., plate glass, 8 Desbrosses, New York.
Weber Carriage Co., Southwest Bldg., Kansas City, Mo.
Weber, Chas., wood handles, 234 Ionic, Phila., Pa.
Weber Chimney Co., concrete chimneys, 1454 McCormick Bldg Chicago, Ill.
Weber & Damme Wagon Co., 1621 B'way, St. Louis, Mo.
Weber Dental Mfg. Co., fountain cuspidors, Canton, Ill.
Weber Elec. Co., switch bases, Schenectady, N. Y.
Weber-Erickson-Bunting Co. See Bunting Stamp Co. (su cessors).
Weber, F., & Co., engineers & draftsmen supplies, 1125 Chestnut Phila., Pa.; also St. Louis, Mo., & Baltimore, Md.
Weber, Fred, & A. Co., sash, door & blind mfrs., 4012 Cherr Cum'ville, Cincinnati, Ohio.
Weber, Henry C., contractor, Bay City, Mich.
Weber, Henry C., Co., whol. hdwe., 230 Woodward av., Detroit Mich.
Weber, J. F., & Co., lumber, 304 Gratiot av, Detroit, Mich.
Weber, J. J., flour mills, Ashville, Pa.
Weber, John R., architect, Ft. Thomas, Ky.
Weber, Jos., architect, 411 Spring, West Hoboken & Gutten berg, N. J.
Weber, Kirch Mfg. Co., cream separators, Keokuk, Iowa.
Weber-Knapp Co., cabinet hardware mfrs., Jamestown, N. Y
Weber-Knapp Co., shaving mirrors, Jamestown, Pa.
Weber, Lind Co., decorators & painters, 1011 Chester av Cleveland, Ohio.
Weber & Litten, mfr's. agents (bldg), Mfrs. Bldg., Pitts'g, Pa
Weber, Lothar C., chemist, 729 Boylston, Boston, Mass.
Weber, Louis, Bldg. Co., 147 E. 125th, New York.
Weber, M., Co., auto. wood bodies, Dayton, Ohio.
Weber Mfg. Co., agricultural implements, Rockton, Ill.
Weber Mfg. Co., floor scrapers, West Allis, Wis.
Weber, O. B., cornices & skynghts, Mattoon, Ill.
Weber, Oliver M., Co., sash, door & blind, North Wales, Pa.
Weber Piano Co., 29 W. 42d, New York.
Weber Planing Mill Co., Strasburg, O.
Weber, Simon, & Son, scrap iron & steel, Louisville, Ky.
Weber & Sons, pianos, 1256 Wellington av, Chicago, Ill.
Weber & Sons, Button Co., Muscatine, Ia.
Weber Subterranean Pump Co., water supply systems, 50 B 42d, New York.
Weber's, Jacob V., Sons, archl. iron, 308 E. 26th, New York.
Weborg Bros., Spring Bed Co., Jamestown, N. Y.
Webster-Butterfield Co., canned goods, 2219 Boston, Balto., Md.
Webster, C., canned goods, East New Market, Md.
Webster Canning & Preserving Co., Webster, N. Y.
Webster, Chas., Woods, architect, Cutting Bldg., Joliet, Ill.
Webster Chemical Co., inc. lamp coloring, St. Paul, Minn.
Webster Co., silver novelties—sewing thimbles, etc., North Attleboro, Mass.
Webster County Canning Co., Marshfield, Mo.
Webster Electric Co., magnetos, Racine, Wis.
Webster, F. I., mill & facty. sup., Turners Falls, Mass.
Webster, F. S., Co., carbon papers, pencil sharpeners, etc., 340 Congregational, Boston, Mass.
Webster, Frank L., & Son, machinists, Cherokee, Kan.
Webster, Frederick L., canned goods, Adams, N. Y.
Webster, Geo. H., boot and shoe counters, Haverhill, Mass.
Webster, Geo., & Sons, lbr., Swanton, Vt.
Webster, H. P., & Sons, masons' & bldrs.' matls., Eaton Rapids, Mich.
Webster, James, architect, Dubuque, Iowa.
Webster & Keyser, brick, 30th & Tasker, Phila., Pa.
Webster Loom Harness Co., tex. machy. sup., Fall River, Mass.
Webster, Louis C., & Son, contractors, 19 Liberty, New York.
Webster Lbr. Co., Lumber Exchange, Minneapolis, Minn.
Webster Mfg. Co., chairs, Superior, Wis.
Webster Mfg. Co., conveying & machinery, 4500-60 Cortland, Chicago, Ill. *See adv. index at end of book.*
Webster Mill Co., flour, Webster, S. D.
Webster, N., canned goods, Cambridge, Md.
Webster & Perks Tool Co., machine tools, bolt & nut machinery, etc., Springfield, Ohio.
Webster Piano Co., Leominster, Mass.
Webster, R., canned goods, Hurlock, Md.
Webster Refining Co., petroleum, Jennings, La.
Webster, S. L., & Son, fertilizer mfrs., Cambridge, Md.
Webster Sand, Gravel & Const. Co., Lanesville, La.
Webster Stone Co., Irvington, Ky.
Webster, W., & Co., canned goods, Vienna, Md.
Webster, W. F., Cement Co., Cambridge, Mass.
Webster, Warren & Co., heating contractors, Camden, N. J.

k, Edw., & Son, safety razor mfrs., 148 Fulton, New York.
ker & Co., mattresses, 1437 Milwaukee av, Chicago, Ill.
tell & Boers, trunks & tool chests, mfrs., 157 Jefferson av, Detroit, Mich.
lemeyer & Nelson, architects, Wainwright bldg, St. Louis, Mo.
ler Mfg. Co., surgical & dental instruments, Germantown & Stenton, Philadelphia, Pa.
ge Mechanical Furnace Co., Greenwich Point, Phila., Pa.
more, D. A., & Co., fruit pickers, wire goods, Camden, N. J.
ron Silica Co., Ottawa, Ill.
ron White Sand Co., Wedron, Ill.
ber, C. F., Mfg. Wks., pullers, tools, etc., Albany, N. Y.
d & Co., mill & facty. supplies, whol. hdwe., 95 Swan, Buffalo, N. Y.
d & Co., mill & facty. supplies, whol. hdwe., 13 Exchange, Rochester, N. Y.
d & Duryea Co., masons' & bldrs.' matls., New Canaan, Conn.
d, F. A., Hardware Co., Potsdam, N. Y.
d, G. N., contr., Stamford, Conn.
d, J. D., & Co., agr'l. implts., mill, facty. & plumbers' supplies, jobbers, whol. hdwe., Savannah, Ga.
l, Lewis M., Co., Inc., sporting gds., Binghamton, N. Y.
l Lumber Co., Weed, Cal.
l, W. H., mill & facty. supplies, Vincennes, Ind.
len Bros., contrs., Menlo Park, Cal.
len Mfg. Co., iron toys, New Bedford, Mass.
ler, F., Ellsworth, glass stainer, 34 S. 16th, Phila., Pa.
lle, A. L., lbr., Sweet Home, Ore.
nawken Dry Dock Co., Weehawken, N. J.
nawken Tungsten Lamp Co., 550 Gregory av, Weehawken, N. J.
, John, Lumber Co., Stevens Point, Wis.
nes, John, & Son Co., mill, facty. & plumbers' supplies, Watertown, N. Y.
s, Arthur J., stoneware, tanks, chemical, Akron, Ohio.
s, Chas. Peter, architect, Mutual Bk. Bldg., San Francisco, Cal.
s, D. C., & Co., contractor, 1123 Broadway, New York.
s, Frank A., Mfg. Co., stationery supp., 93 John, New York.
s, Geo. S., masons' & bldrs.' matls., West Winfield, N. Y.
s, H. Hobart, architect, 425 5th av, New York.
s-Hoffman Co., auto gears, Syracuse, New York.
s-Howe-Emerson Co., ship chandlers, 90 Market, San Francisco, Cal.
s, Jas. H., lbr., Belmont, N. H.
s Mfg. Co., lantern slides, 181 Tremont, Boston, Mass.
s, Nelson, shades, 226 Pacific, Brooklyn, N. Y.
s, O. B., architect, Carson, Iowa.
s, P. L., & Co., turpentine, Enville, Fla.
s, R. E., Co., plumbers' & steam fitters' supplies (jobbers), cranton, Pa.
s Scale Wks., Mt. Jewett, Pa.
s, Theo., sash, door & blind, Kingston, N. Y.
s, Wm. C., achitect, Sheboygan, Wis.
s, Wm. H., architect, 75 Post, San Francisco, Cal.
hoff, Harvey H., architect, Murray Bldg., Grand Rapids, Mich.
E., Concrete Machy. Co., La Crosse, Wis.
Marble & Tile Co., Central Nat'l Bank Bldg., Columbus, O.
baar, G. A., Mfg. Wks., advtg. spec., 154 Nassau, New ork.
baar, John L., Co., granite prod., 299 B'way, New York.
an, Wm. J., Co., mattresses, Rochester, N. Y.
er Bros. Co., htg. contrs., 227 5th, Milwaukee, Wis.
er, J. F., & Co., wholesale hardware, Fond du Lac, Wis.
er Mach. Co., Buffalo, N. Y.
er Mach. Wks., 63 Mills, Long Island City, New York.
ng, Chas., contractor, 147 E. Market, Indianapolis, Ind.
eyer, Harry H., contractor, 1004 Lehigh av, Phila., Pa.
r, Jos., contractor, 119 Zeigler, Dayton, Ohio.
Steel Co., 45th & Gordon av, Milwaukee, Wis.
Steel Co., steel castings, West Allis, Wis.
e Bros., machsts., Newark, Ohio.
e Co., stove mfrs., Newark, Ohio.
in, Edw., architect, 309 B'way, New York.
ng & Billmeier Co., gold leaf, 3624 Lincoln av, Chicago, l.
nan, Wm., cornices & skylights, St. Joseph, Mo.
l, G., Roofing & Cornice Wks., Seattle, Wash.
n, A., Marble & Granite Co., City Park av & St. Louis, ew Orleans, La.
y, Wm. F., architect, Burlington, Ia.
t, Adolph, & Sons, buttons, 730 R., Sun., Phila., Pa.
t, H. B., coffins, etc., Angola, Ind.
Martin Co., trunk mfrs., 1623 S. Ashland, Chicago, Ill.
, John A., horse collars, Rochester, N. Y.
Foundry Co., stove mfrs., Zanesville, Ohio.
ch Bros. Mfg. Co., machsts., Bridgeport, Conn.
ch Sterling Spoon Co., table silverware, Bridgeport, Conn.
an, Augustus, fertilizer mfr., Hagerstown, Ind.
an Bros., architects, Marysville, Ohio.
an-Fisher Co., cigar boxes, Tampa, Fla.
an, John H., contractor, Union Bldg., Syracuse, N. Y.
an & Son, Co., lbr., Trout Creek, Mich.
er, C. A., Co., machsts., Rochester, N. Y.

Weier Bros., scrap iron, Sandusky, Ohio.
Weigand, O. A., architect, Peters Tr. bldg, Omaha, Neb.
Weigel, Geo. G., advtg. nov., 1501 S. Kedzie av, Chicago, Ill.
Weigel, John, Co., cornices, 664 E. McMillan, Cincinnati, Ohio.
Weigel, Phillip, Jr., mill & facty. supplies—whol. hdwe., New Brunswick, N. J.
Weigel, S. J., architect, Central Bk. Bldg., Memphis, Tenn.
Weigell A., & Son, mattresses, 320 Broadway, Milwaukee, Wis.
Weigelt Glass & Mirror Co., 617 S. 6th, St. Louis, Mo.
Weigle Riveted Steel Pipe Wks., Denver, Colo.
Weigele, Wm. A., Steel Pipe Wks., steel tanks, Denver, Colo.
Weihe, W. O., masons' & bldrs.' matls., Nashville, Ill.
Weiher, Lorenz F. J., architect, 271 W. 125th, New York.
Weil Bros., plumbers' supplies—jobbers, 651 W. Lake, Chicago, Ill.
Weil, Emile, architect, Whitney-Central Bldg., New Orleans, La.
Weil-Gutmann Supply Co., mill & supplies; 636 S. Peters, New Orleans, La.
Weil, J. H., & Co., architects' & engnrs.' instruments & supplies, 1300 Arch, Phila., Pa.
Weil, Louis, aluminum castings, ingots & metals, 32 Broadway, New York.
Weil, Ransom Co., dusters, 816 Fulton, Chicago, Ill.
Weil, S., & Son, paste & size, 194 Franklin, New York.
Weiland, Chas., whol. hdwe., 149 Chambers, New York.
Weiland, Edw. A., concrete steel construction, Clark & Independence, Cleveland, Ohio.
Weil's, Morris, Sons, scrap iron & steel, etc., 837 N. 3d, Phila., Pa.
Weimar Bros., tapes, braids & cords, 2046 Amber, Phila., Pa.
Weimber, Abe, brooders & incubators, Ligonier, Ind.
Weimer, C. A., ventilator mfrs., Lorain, Ohio.
Weimer Chain & Iron Co., Lebanon, Pa.
Weimer Mach. Wks. Co., Lebanon, Pa.
Weinberg, C., & Co., silk fringes, 27 W. 23d, New York.
Weinberg, J. I., architect, Congress bldg, Detroit, Mich.
Weinberg, J. H., & Co., lubrg. oils & greases, 150 Madison av., New York.
Weingarten & Geberer, traveling bags, 90 Grand, New York.
Weingartner's, Jos., Sons, lumber, Newport, Ky.
Weinhagen & Hespe, thermometers, syringes, etc., 159 Leonard, New York.
Weinman, C. J., Co., special machy.; machine tools, etc., 310 E. 2d, Dayton, Ohio.
Weinman, L. B., architect, 711 Main, Fort Worth, Tex.
Weinman Pump Mfg. Co., 300 Spruce, Columbus, Ohio.
Weinmann, C. F., cornices & skylights, Atchison, Kans.
Weinrichter, R. M., architect, Cutler Bldg., Rochester, N. Y.
Weinstein, Jacob, architect, 6 Church, New Haven, Conn.
Weinstein, Martyn N., architect, 1270 54th, Brooklyn, N. Y.
Weinstein, Sam'l, sash, door & blind mfrs., 100 Richardson, B'klyn, N. Y.
Weinstock & Cohn, cornices, 170 E. 32d, New York.
Weinstock, Nichols & Co., auto. accessories, whol., Broadway, Oakland, Cal.
Weintraub, Jos., trunk mfrs., 1037 S. 4th, Philadelphia, Pa.
Weinz Trimming Co., silk tassels, 68 Chauncy, Boston, Mass.
Weir Canning Co., Toledo, Ia.
Weir, Collins B., architect, Morristown, N. J.
Weir & Craig Co., mill, facty. & plumbers' supplies—jobbers, 6316 Wentworth av, Chicago, Ill.
Weir Frog Co., Cincinnati, Ohio.
Weir, R. W., Lumber Co., Houston, Tex.
Weir Stove Co., Taunton, Mass.
Weirton Steel Co., tin plate & sheet metal mfrs., Weirton, W. Va.
Weis, F. J., architect, 1126 Lindsey, Dayton, Ohio.
Weis, F. W., cornices & skylights, Lexington, Mo.
Weis, Hy., Cornice Co., 4124 E. 12th, Kansas City, Mo.
Weis & Jennett Marble Co., 3011 Missouri, St. Louis, Mo.
Weis & Lesh Mfg. Co., wagon spokes, wood skewers, Muncie, Ind., & Delhi, La.
Weis, Max H., architect, 618 Main bldg, Cleveland, Ohio.
Weis Mfg. Co., filing cabinets & devices & book cases, Monroe, Mich.
Weis Paper Mill Co., Quincy, Ill.
Weis, S. H., architect, Schofield Bldg., Cleveland, O.
Weisbard, C. C., sashes, doors & blinds, Cedar Falls, Ia.
Weisbecker, Chas., meat packer, 268 W. 125th, New York.
Weisbecker, Francis A., & Sons, polish'g mach'y, 22 Frost, B'klyn, N. Y.
Weisberg, Baer, Co., sash, door & blind mfrs., Blvd, Long Island City, N. Y.
Weisberg, Max, mattresses, 375 Pacific, Brooklyn, N. Y.
Weise, "Nborn" Ralph, architect, 645 N. Howard, Akron, O.
Weisel, Harvey H., machsts., Milford Square, Pa.
Weisel, Milton T., carriages, Perkasie, Pa.
Weisenthal & Co., chemicals, 145 W. 45th, New York.
Weiser, H. M., flour, Hamilton, Tex.
Weisfeld Bros., sash, door & blind mfrs., 7 McKibbin, B'klyn, N. Y.
Weisfeld, Leo. H., architect, 53 W. Jackson blvd, Chicago, Ill.
Weisglass, S., & Co., bedstead mfrs., 13 Montauk av, Brooklyn, New York.
Weishaupt Iron Wks., 1232 S. Western av, Chicago, Ill.
Weiskittel, A., & Son Co., stoves, 12th & E. Lombard, Baltimore, Md.
Weiskopf, Abraham, thermometers, pyrometers, 16 S. Clinton, Chicago, Ill.

Weiss, Albert A., & Co., thermometers & hydrometers, 572 Gates av, B'klyn, N. Y.
Weiss, Chas. & Son, carriage fasteners, 4715 Cottage Grove av, Chicago, Ill.
Weiss & Co., who. hdwe., Freeport, Ill.
Weiss & Fritts, carriages, Frenchtown, N. J.
Weiss, H., & Co., sheet metal wkrs., machin. & Supplies, 83 John, New York.
Weiss, J. W., architect, 53 Jackson blvd, Chicago, Ill.
Weiss & Klau Co., window shade mfrs., 462 B'way, New York.
Weiss, L. T., razor guards, 286 Taaffe pl., Brooklyn, N. Y.
Weiss, Otto, Milling Co., alfalfa meal, Wichita, Kansas.
Weiss Polish Wks., carriage dressing, 216 S. Winchester av, Chicago, Ill.
Weissberg, Chas., Plumbing Supply Co., 317 Broome, New York.
Weissbrod, Emil & Sons, advtg. nov. & specialties, Greenfield, Mass.
Weissenberger, Geo. K., cornices, 4011 Sp. Grove av, Cum., Cincinnati, Ohio.
Weissinger, Geo., & Bro., meat packers, Pottsville, Pa.
Weitzel & Larson Contng. Co., Bakersfield, Cal.
Weitzel Lbr. Co., Sedgeley & Gtn. avs, Phila., Pa.
Weitzel, M. B., second hand bags, Lititz, Pa.
Weitzenfeld, J. J., architect, Easton, Pa.
Welch, A. P., Co., turkish towels, Glen Riddle, Pa.
Welch, Alex. McM., architect, 11 E. 42d, New York.
Welch-Bright Co., fire brick, Monaca, Pa.
Welch Bros. Apple Co., canned goods, Burlington, Vt.
Welch Construction Co., Joliet, Ill.
Welch, E. J., & Co., brass fndrs., Fitchburg, Mass.
Welch, E. J., Fdry. Co., 24th & Wallace, Chicago, Ill.
Welch Fertilizer Co., Columbus, Ohio.
Welch, Holme & Clark Co., oils, potash, etc., 383 West, New York.
Welch, J. H., & Sons, cornices, Ft. Wayne, Ind.
Welch, Jas. J., contractor, Salem, Mass.
Welch, John, & Sons, bldg. contrs., Somerville, Mass.
Welch Mfg. Co., clothing cabinets, Grand Rapids, Mich.
Welch, Mary E., & Co., canned goods, Thaxton, Va.
Welch-Millard Co., cooperage stack, Nashville Tenn.
Welch, P., & Co., contractors, Spokane, Wash.
Welch, S. J., architect, Pensacola, Fla.
Welch & Suthergreen Co., trunks, Fitchburg, Mass.
Welch, T. F., Co., gears, nuts, screws, etc., 55 Sudbury, Boston, Mass.
Welch, U. S., flour, Terra Alta, W. Va.
Welch Wholesale Hardware Co., Clinton, Okla.
Welchans, A. C., mchsts. & fdrs., Lancaster, Pa.
Weld Bobbin & Spool Co., 42 Island, Lawrence, Mass.
Weld, Geo. A., Co., heaters, regulators, etc., 79 Milk, Boston, Mass.
Welded Steel Barrel Corp., barrels, tanks, etc., Hart av & Charlevoix, Detroit, Mich.
Weldex Co., stock fountains, Richmond, Ind.
Weldex Mfg. Co., hog oilers, Richmond, Ind.
Welding Material Co., 114 Liberty, New York.
Weldless Chain Co., hame fasteners, Bridgeport, Conn.
Weldner, Jacob K., machsts., Salfordville, Pa.
Weldon, C. J., carriages, Rockford, Ill.
Weldon Contr. Co., Rahway, N. J.
Weldon, Geo., contractor, Mount Vernon, N. Y.
Weldon Lbr. Co., Weldon, N. C.
Weldon, S. A., & Son, mill & facty. supplies, Bristol, Conn.
Weldum Products Co., welding compound, Indianapolis, Ind.
Weld-Wire Co., welding wire, wire nails, etc., 395 Christopher av, Brooklyn, N. Y. *See adv. index at end of book.*
Weler, H. P., Supply Co., hdwe., mill & facty supplies, Erie, Pa.
Welitoff, N., architect, 20 Clinton, Newark, N. J.
Welker Supply Co., plumbers' supplies (jobbers), 6504 Carnegie av, S. E., Cleveland, O.
Welks Hardware Co., Scranton, Pa.
Well Bros., loose leaf devices, 641 W. Lake, Chicago, Ill.
Welland Co., carriages, 2414 Gilbert av, Cincinnati, Ohio.
Wellen M., & Son, trunk mfrs., 83 Wooster, New York.
Weller Bro., machsts. & fndrs., Charlestown, W. Va.
Weller & Co., scrap iron & steel, Birmingham, Ala.
Weller Constr. Co., The, 816 14th, N. W., Washington, D. C.
Weller Engng. Co., machsts., Elyria, Ohio.
Weller Hdwe. & Fdry. Co., Horseheads, N. Y.
Weller, J. A., & Sons, steam fitters' supplies, Emlenton, Pa.
Weller, J., Co., canned goods, Oak Harbor, Ohio.
Weller, John W., lumber, East Fultonham, Ohio.
Weller, M. D., archl. iron, Pottstown, Pa.
Weller Mfg. Co., mill & facty. supplies, 1856 N. Kostner av, Chicago, Ill.
Weller Pattern Co., Quincy, Ill.
Weller, S. A., crockery, Zanesville, Ohio.
Weller, W. A., contractor, Olympia, Wash.
Weller's, Hiram, Sons Co., motor boat bldrs., Trenton, N. J.
Welles, M. H., & G. H. Lbr. Co., Wyalusing, Pa.
Wellhener, Wm., Htg. & Sheet Metal Co., cornices, Springfield, Mo.
Welling, A. H., machsts. & fndrs., Niles, Mich.
Wellington & Co., steam htg. contrs., Riparian av, Bridgeport, Conn.
Wellington Glass Co., Cumberland, Md.
Wellington Mach. Co., brick mould sanding machines, Wellington, Ohio.
Wellington Milling Co., mill feed, Anderson, Ind.
Wellington Milling & Elevator Co., Wellington, Kan.
Wellington Piano Case Co., Leominster, Mass.
Wellington, Sears & Co., cotton duck, 93 Franklin, Boston Mass.
Welliver, W. H., contrs., Elmira, N. Y.
Welliver, W. W., masons' & bldrs.' matls., whol. hdwe., Darville, Pa.
Wellman, B., & Co., chemicals, 132 Pearl, New York.
Wellman Bronze Co., castings, 6017 Superior av, Cleveland, O.
Wellman Co., boring bars & tools & sole cutting machy., Medford, Mass.
Wellman Pattern Supply Co. See Wellman Products Co. (successors).
Wellman Products Co., Pattern makers' supp., 1444 E. 49th Cleveland, Ohio.
Wellman-Seaver-Morgan Co. (The), steel plant equipment, coa & ore handling machin., etc., E. 70th & Central ave., Cleveland, Ohio. *See adv. index at end of book*
Wellman, Walter, contractor, Schenectady, N. Y.
Wellock, Robinson, sash, door & blind, Harbor Beach, Mich.
Wells-Abbott-Nieman Co., flour, Schuyler, Neb.
Wells, A. H., Co., copper tubing, steam guages, springs, etc. 563 Watertown rd, Waterbury, Conn.
Wells Arch'l. Iron Co., River av & 151st, New York.
Wells, Arthur T., cornices, Muncie, Ind.
Wells Bros. Co., see Greenfield Tap & Die Corporation, Greenfield, Mass.
Wells Bros. Co., contractors, 53 W. Jackson blvd, Chicago, Ill 907 5th av, New York, & Riggs Bldg., Washington, D. C
Wells, Bulkeley, agent mine exploration wk., Hobart bldg., San Francisco, Cal.
Wells, Carson F., architect, Brigham, Utah.
Wells, Chas. M., architect, Rutledge, Pa.
Wells Chemical Bronze Wks., Worcester, Mass.
Wells, Dalton R., architect, 435 Woodward, Detroit, Mich.
Wells, F. C., machsts., 101 S. Clinton, Chicago, Ill.
Wells, F. E., & Son Co., see Greenfield Top & Die Corporation, Greenfield, Mass.
Wells Flour Milling Co., Wells, Minn.
Wells, Frank L., Co., spring bed machy, Kenosha, Wis.
Wells, G. A., contractor, 187 Providence, Worcester, Mass.
Wells, Geo., mach. & fdr., Sedalia, Mo.
Wells, Geo. H., architect, 21 E. 40th, New York & Elmhurst, N. Y.
Wells, Hdwe. Co., Inc., mill & facty. supplies, Holyoke, Mass.
Wells, Harry M., boilers, Alexandria, Ind.
Wells-Higman Co., berry boxes, St. Joseph, Mich.
Wells, J. Hollis, architect, 32 Nassau, New York.
Wells, J. W., Brick Co., Chattanooga, Tenn.
Wells, Jas. H., contractor, Heed Bldg., Philadelphia, Pa.
Wells, Jas. M., Co., mortar color mfrs., Ogdensburg, N. Y.
Wells, John W., Lumber Co., Menominee, Mich.
Wells-Lamson Quarry Co., stone producers, Barre, Vt.
Wells, M. J., stone, Ft. Worth, Tex.
Wells, M. L., architect, Wellsburg, W. Va.
Wells & Newton Co., htg. contrs., 292 Av. B, New York.
Wells, R. A., Lbr. Co., 234 S. La Salle, Chicago, Ill.
Wells, R. C., Mfg. Co., electric lighting systems, Fond du Lac, Wis.
Wells & Richardson Co., diamond dyes, Burlington, Vt.
Wells & Stump, cornices & skylights, Oskaloosa, Iowa.
Wells, Wm. A., architect, Hyde bldg, Spokane, Wash.
Wells, Wm. L., contractor, Atlantic Highlands, N. J.
Wellston Galv. Iron & Cornice Wks., 6222 Easton av, St. Louis, Mo.
Wellston Iron Furnace Co., pig irons & portland cements, Jackson, Ohio.
Wellsville Burial Case Co., coffins, caskets, etc., Wellsville, N. Y.
Wellsville China Co., Wellsville, Ohio.
Wellsville Mfg. Co., fly nets, Wellsville, Pa.
Welsbach Co., mantles, Gloucester City, N. J.
Welsbach Gas Lamp Co., 1008 Filbert, Philadelphia, Pa.
Welsbach Street Lighting Co. of America, 1934 Market, Phila., Pa.
Welsford Lbr. Co., Danforth, Me.
Welsh & Carey, architects, Merchants Nat'l. Bk. Bldg., San Francisco, Cal.
Welsh, Geo., architect, Coal Exch. Bldg., Wilkes Barre, Pa.
Welsh & Grey, Lbr. Corp., Albany, N. Y.
Welsh & Kerry Co., lumber, masons' & bldrs.' matls., Reed City, Mich.
Welsh, L. E., architect, 132 Madison av, New York.
Welsh Mach. Wks., 276 West, New York.
Welsh, P. M., masons' & bldrs.' matls., New Brunswick, N. J.
Welsh, Thos. M., contractor, 758 S. Broad, Philadelphia, Pa.
Welsh, Wm., water filters, 2733 Arbor av, Hyde Pk., Cincinnati, Ohio.
Welshous & Symon, machinists, 3648 18th, San Francisco, Cal.
Welsmore Mfg. Co., Inc., mill cutters & auto parts, 302 E. Congress, Detroit, Mich.
Welson & Roake, heating boilers, etc., 261 Front, New York.
Welt & Perry, harness mfrs., Flint, Mich.
Welte, M., & Sons, musical instruments, 667 5th av, New York.
Welte, M., & Son, piano mfrs., Poughkeepsie, N. Y.
Welter Lbr. Co., Dorris, Cal.
Welton, Wm. Leslie, architect, Am. Trust & Savings Bk. Bldg., Birmingham, Ala.

ty, Wm. A., adding mach. stands & fountain pen mfrs., Waterloo, Ia.
tz, Chas., Sons, contractors, Des Moines, Ia.
zen, N. H., contractor, 3225 30th av, S., Minneapolis, Minn.
linger Steel Piling Co., 149 B'way, New York.
a Lbr. Co., Bay, St. Louis, Miss.
zel & Larson Contng Co., Bakersfield, Cal.
tchee Brick & Tile Co., Wenatchee, Wash.
atchee Lumber Co., Wenatchee, Wash.
atchee Milling Co., flour, Wenatchee, Wash.
dell & Co., silver nov., 337 W. Madison, Chicago, Ill.
dell, Fay, & Co., employees' uniforms, 229 4th av, New York.
dell, Michael, contr., Lancaster, N. Y.
deroth, J., & Sons, fertilizer mfrs., Camden, N. J.
dland, C. F., Eng. & Constr. Co., 63 Wooster, New York.
dling, A. F., Co., contractors, Massillon, Ohio.
dling, Jos., Art Glass Co., 207 S. B'way, St. Louis, Mo.
dling, Nathan, Co., lumber, 110 Market, San Francisco, Cal.
dnagel & Co., tanks, 600 W. 22d, Chicago, Ill.
dt, Albert H., bolts, chains, etc., 456 E. 2d, Cincinnati, O.
dt & Rausch Co., pads & tablets, Toledo, Ohio.
dtland, Wm., machst., 51 Mercer, New York.
g, L. E., & Son, lumber, Daggett, Mich.
ger, Geo., Machy. & Supplies Mfg. Co., St. Louis, Mo.
ger, Paul, Co., aluminum alloys, ingots & metals, 56 Liberty, New York.
gert Hardware Co., 1221 Grand av, Kansas City, Mo.
g, Julius, architect, 721 10th, N. W., Washington, D. C.
iger, H., surgical instruments, 143 Valencia, San Fran., Cal.
kenbach's, Wm. Sons, auto bodies & carriages, 1314 Germantown av., Phila., Pa.
sley Metal Products Co., Denver, Colo.
nemer Constr. Co., 103 Park av, New York.
ner, F. L., stone producers, 1335 W. 116th, Cleveland, Ohio.
ning, Jno., machst., 225 E. 106th, New York.
nonah Cotton Mills, Lexington, N. C.
strom's, John, Sons, machsts., 623 Bergen, Brooklyn, N. Y.
astrom's, John, Sons Co., dies, drills, gauges, tools, etc., Suffern, N. Y.
t, C. H., machst., Findlay, Ohio.
e Elec. Co., Hamilton, Ohio.
ink Mfg. Corp., car movers, Menasha, Wis.
tworth Body Co., Boston, Mass.
worth, Fred W., architect, 140 Market, Paterson, N. J.
worth Institute, engng. schools & coll., Boston, Mass.
worth, Lew, lumber, Omaha, Neb.
worth, Walter A., Co., contractors, 15 Exchange, Boston, Mass.
z, O. W., machsts. & fndrs., Warsaw, Ind.
el, B., Tent & Duck Co., 1036 Paul, St. Louis, Mo.
el, F. M., Sheet Metal Co., cornices, Joplin, Mo.
ell, S. S., Machine Co., bottle working machy., 50th & Parkside av, Phila., Pa.
elman, G., presses, baling, Galesburg, Ill.
elman, Gustave, pianos, Galesburg, Ill.
elman Mfg. Co., machsts. & fndrs., Galesburg, Ill.
Lime & Stone Co., Tiffin, Ohio.
y, A., & Co., scrap iron, 47 Beverly, Boston, Mass.
y & Co., steam & electrical machinery, 47 Beverly, Boston, Mass. *See adv. index at end of book.*
eim, E. W., contr., Evansville, Ill.
, M., Co., soap, Murray rd St. B., Cincinnati, Ohio.
Robert, & Co., clothes-press, 2519 St. Philip, New Orleans, a.
ing, John E., lbr., Hagerstown, Ind.
ng, Albert, common brick, Preble, Ind.
r & Adkins, architects, Mitchell Bldg., Cincinnati, O.
er, Carl, architect, Humboldt Bk. bldg, San Francisco, Cal.
er, Chas., architect, 316 Flatbush av, Brooklyn, N. Y.
er, Geo. P., cornices & skylights, Galveston, Tex.
er, Geo., & Sons, auto metal bodies, Buffalo, N. Y.
er, John, & Sons, confectioners' machy., Rochester, N. Y.
er, Louis, Saw Mill Co., lbr. mfrs., Fullerton Bldg., St. Louis, Mo.
er, Louis, Stave Co., Shreveport, La.
r & Pfleiderer Co. See Baker's Sons, J. & Perkins Co., nc. (successors).
er Piano Co., 1325 Milwaukee av, Chicago, Ill.
r-Service Mfg. Co., pumps, 263 Fairmount av, Jersey City, J.
r, Washington T., contractor, 632 52d, Milwaukee, Wis.
r & Windolph, architects, 27 W. 33d, New York.
Aluminum Foundry Co., aluminum castings, Waukesha, Vis.
C. C., cement block machy., Kendallville, Ind.
nbach, John H., contractor, McKeesport, Pa.
an Bag Co., Nashville, Tenn.
eimer Bros., sweaters, etc., 289 6th av, New York.
er, J. E., architect, 371 Lockwood, Brooklyn, N. Y.
y, Walter, Sons, sash, door & blind, Pottsville, Pa.
nan Bag Co., 70 Dock, St. Louis, Mo.
*ee adv. index at end of book*
ch, Wm., Co., carriages, 24 Page, San Francisco, Cal.
Robert W., flour mills, Wernersville, Pa.
e, B. A., Electric Co., electric motors, 327 E. 6th, Cinnnati, Ohio.

Wesche, John A., contractor, 118 N. La Salle, Chicago, Ill.
Wesco Co., contrs., Chattanooga, Tenn.
Wesco Supply Co., mine & ry. supplies (elec.), 7th & Clark, St. Louis, Mo.
Wescott, A, A.. & Sons, spindles & flyer mfrs., Hopedale, Mass.
Wesel, F., Mfg. Co., machsts., 70 Cranberry, Brooklyn, N. Y.
Wesel, Geo. F., contractor, Milwaukee & Orion, Pittsburgh, Pa.
Wesely, Chas., Co., laundry tubs, 3126 S. Canal, Chicago, Ill.
Weser Bros., Inc., pianos, 524 W. 43d, New York.
Wesle Bros., carriages, Medford, Wis.
Wesley Co., advtg. spec., 730 N. Franklin, Chicago, Ill.
Wesley Mfg. Co., check perforators, 31 Beekman, New York.
Wessel, Duval & Co., nitrate of soda, 25 Broad, New York.
Wessel, H., brick, Batesville, Ind.
Wessel, Herman, Mfg. Co., mattresses, 624 Main, Cincinnati, O.
Wessel, Richard F., architect, Pittock Bldg., Portland, Ore.
Wessells, W. F., mill & facty. supplies, Peekskill, N. Y.
Wessels, D. D., artificial laundry tubs, 501 E. Euclid, Detroit, Mich.
Wessendorf, Chas., Co., cornices & skylights, Memphis, Tenn.
Wessling Bros. Fndry. Co., Liberty & McLean avs, Cincinnati, O.
Wesson Cotton Oil & Fertz. Co., Wesson, Miss.
West, A. J., Lumber Co., Aberdeen, Wash.
West Allis Foundry Co., West Allis, Milwaukee, Wis.
West, Alonzo A., cornices & skylights, Malden, Mass.
West, Arthur F., contractors, Builders' Exchange, Baltimore, Md.
West Barnstable Brick Co., West Barnstable, Mass.
West Bay City Sugar Co., West Bay City, Mich.
West Bend Aluminum Co., West Bend, Wis.
West Bend Barn Equipment Co., cow watering bowls, cattle stanchions, West Bend, Wis.
West Bend Canning Co., West Bend, Wis.
West Bend Woolen Mills, woolen blankets, West Bend, Wis.
West Bergen Iron Fndry., 21 Pollock av, Jersey City, N. J.
West Boylston Mfg. Co., tire fabrics, Easthampton, Mass.
West Branch Fire Brick Co., Renova, Pa.
West Branch Knitting Co., bathing suit mfrs., Milton, Pa.
West Branch Novelty Co., cedar chests, Milton, Pa.
West Bros., knitted underwear, Emerson & Harbor av., Syracuse, N. Y.
West Bros. Brick Co., Nat' Savings & Trust Bldg., Washington, D. C.
West, C., & Co., contractors, Oxford & Wakeling, Phila., Pa.
West Carrolton Parchment Co., West Carrolton, Ohio.
West, Chas. F., ice creepers, 3861 Lancaster av, Phila., Pa.
West Chester Engine Co., oil engines, West Chester, Pa.
West Chicago Sash & Door Mfg. Co., West Chicago, Ill.
West, Claughton, architect, Homer bldg., Washington, D. C.
West Coast Fertilizer Co., Tampa, Fla.
West Coast Gas Engine Co., San Diego, Cal.
West Coast Heating Co., Seattle, Wash.
West Coast Iron Wks., mchsts.& fndrs., Seattle, Wash.
West Coast Kalsomine Co., paints, West Berkeley, Cal.
West Coast Ornamental Iron & Wire Wks. Inc., Seattle, Wash.
West Coast Packing Co., canned goods, Long Beach, Cal.
West Coast Packing Co., Blaine, Wash.
West Coast Shingle Co., lumber mfrs., Tacoma, Wash.
West Coast Soap Co., 26th & Poplar, Oakland, Cal.
West Coast Wagon Co., Tacoma, Wash.
West Coast Wire & Iron Works, 861 Howard, San Francisco, Cal.
West Co., carriages, 4017 Liberty av, Pittsburgh, Pa.
West Construction Co., contractors, American Bldg., Baltimore, Md., & Chamberlain Bldg., Chattanooga, Tenn.
West Disinfecting Co., 411 5th av, New York.
West, E. G., masons' & bldrs.' matls., Gothenburg, Neb.
West Electric Hair Curler Co., Hancock & Columbia, Phila., Pa.
West End Coal Co., Springfield, Ill.
West End Coal Co., anthracite, Mears bldg, Scranton, Pa.
West End Cornice Co., 13 Lindall pl, Boston, Mass.
West End Cornice Wks., 925 Clarendon, St. Louis, Mo.
West End Heating & Engng. Co., 4641 Lancaster av, Phila., Pa.
West End Lbr. Co., Bridgeport, Conn., and San Antonio, Tex.
West End Mattress Co., 68 Pitts, Boston, Mass.
West End Paper Co., Carthage, N. Y.
West End Pottery Co., East Liverpool, O.
West End Sash Co., 51 Beverly, Boston, Mass.
West End Spring Bed Co., 66 Pitts, Boston, Mass.
West End Stone & Brick Co., 121 Wabash, Pittsburgh, Pa.
West End Thread Co., Millbury, Mass.
West End Woolen Mills Co., flannels, 64th & South, Phila., Pa.
West, F. M., Box Co., Springfield, Mass.
West Falmouth Mfg. Co., carriage wheels, etc., West Falmouth, Me.
West Fork Glass Co., window, Clarksburg, W. Va.
West Fork Mill Co., flour, West Fork, Ark.
West, Geo. W., elec. contr., Grass Valley, Cal.
West Gin & Mill Co., flour, West, Miss.
West, H. T., Co., turpentine, etc., 148 State, Boston, Mass.
West Haven Buckle Co., West Haven, Conn.
West Haven Mfg. Co., hack saws, blades, frames and machines, and nail sets mfrs., etc., West Haven, Conn.
West Huntsville Cotton Mills Co., Huntsville, Ala.
West, J. A., architect, Fremont, Neb.
West, J. H., Lbr. Co., Warren, Pa.
West Jersey Marl. & Trans. Co., fertilizer mfrs., Woodbury, N. J.

West Jersey Paper Mfg. Co., Camden, N. J.
West, Jos., brick, Rockport, Mo.
West Lafayette Mfg. Co., bangers, West Lafayette, O.
West Latrobe Fdry. & Mach. Co., Latrobe, Pa.
West Leechburg Steel Co., rolling mills & strip steel, Farmers Bank bldg, Pittsburgh, Pa.
West Lumber Co., Atlanta, Ga., and Houston, Tex., and Lugerville, Wis.
West Lbr. & Box Co., Fayetteville, N. C.
West Mfg. Co., paper fasteners, 48 N. 2d, Phila., Pa.
West Michigan Mach. & Tool Co. (Ltd.), Grand Rapids, Mich.
West Michigan Steel Fdry. Co., Muskegon, Mich.
West Monroe Mfg. Co. (Ltd.), lbr. mfrs., West Monroe, La.
West Oregon Lbr. Co., Linnton, Ore.
West Penn Lumber Co., Farmers Bank Bldg., Pittsburgh, Pa.
West Penn Powder Co., dynamite mfrs., 2d Nat'l Bk. Bldg., Pittsburgh, Pa.
West Penn Steel Co., Brackenbridge, Pa.
West Phila. Art Glass Wks., 4219 Market, Phila., Pa.
West Pittston Screen Wks., West Pittston, Pa.
West Point Investment Co., West Point, Ga.
West Point Iron Works, West Point, Ga.
West Point Mfg. Co., cotton duck & canvas, West Point, Ga.
West Point Mill Co., rice, Charleston, S. C.
West & Reaves Lumber Mills, Inverness, Fla.
West River Canning Co., canned goods, Galloways, Md.
West Roxbury Trap Rock Co., stone producers, W. R., Boston, Mass.
West St. Louis Mach. & Tool Co., models & experimental wk., 606 S. Vandeventer av, St. Louis, Mo.
West Salem Canning Co., West Salem, Wis.
West Seattle Heating & Sheet Metal Wks., cornices & skylights, Seattle, Wash.
West Seneca Lumber Co., Lackawanna, N. Y.
West Side Cut Stone Co., 2422 W. Walton, Chicago, Ill.
West Side Fdry Co., Kansas City, Kans.
West Side Foundry Co., Troy, N. Y.
West Side Iron Wks., machsts., Grand Rapids, Mich.
West Side Lumber Co., Columbus and Dayton, Ohio, and Tuolumne, Cal.
West Side Lbr. Co., packing boxes, Manchester, N. H.
West Side Metal Refining Co., 1447 S. Sangamon, Chicago, Ill
West Side Motor Co., machsts, Hamilton, Ohio.
West Side Structural Co., ornamental iron wks., Troy, N. Y.
West Steel Casting Co., lathe dogs, 805 E. 70th, Cleveland, Ohio.
West Stockbridge Marble Wks., West Stockbridge, Mass.
West Street Carriage Co., Seattle, Wash.
West Tacoma Pressed Brick Co., West Tacoma, Wash.
West Texas Products Co., belt dressing, San Antonio, Tex.
West Tire Setter Co., tire setters, banding presses, etc., Rochester, N. Y.
West & Townsend, argicultural implements, Martinsville, Ohio.
West Varnish Co., Everett, Mass.
West Va. Coal & Coke Co., Elkins, W. Va.
West Va. Fire Clay Mfg. Co., Diamond Bk. Bldg., Pittsburgh, Pa.
West Va. Foundry & Stove Co., Huntington, W. Va.
West Va. Lumber Co., First National Bang bldg, Pittsburgh, Pa.
West Va. Malleable Iron Co., machsts & fndrs., Point Pleasant, W. Va.
West Va. Mine Supply Co., Clarksburg, W. Va.
West Va. Paving & Pressed brick Co., common, Huntington, W. Va.
West Va. Pulp & Paper Co., 200 5th av, New York.
West Va. Rail Co., mills, Huntington, W. Va.
West Va. Timber Co., lumber, Charleston, W. Va.
West Waterway Lbr. Co., Seattle, Wash.
West, Wm. C., architect, Merchants Bk. bldg, Richmond, Va.
West, Wm. S., & Son, wood pumps, Chillicothe, Ohio.
West, W. R., mill & facty. supplies, New Bedford, Mass.
West Woodworking Co., fixtures, etc., 308-24 N. Ada, Chicago, Ill.
West Yellow Pine Co., Madison, Fla.
Westall, J. M., & Co., masons' & bldrs.' mtls., Asheville, N. C.
Westall, W. H., & Co., masons' & bldrs.' matls., Asheville, N. C.
Westboro Lumber Co., Westboro, Wis.
Westboro Trunk & Bag Co., Westboro, Mass.
Westboro Weaving Co., Westboro, Mass.
Westbrook, Edw. S., & Son, masons' & bldrs.' matls., Port Jervis, N. Y.
Westbrook Elevator Mfg. Co., machsts. & fndrs., Danville, Va.
Westbrook, John D., Inc., mill & facty. supplies, Norfolk, Va.
Westburg Engng. Co., ammeters & rheostats, etc., 53 W. Jackson blvd., Chicago, Ill.
Westchester Engineering Co., White Plains, N. Y.
Westchester Lighting Co., water-gas tar, Mt. Vernon, N. Y.
Westchester Machine Co., can-making machy., Mt. Vernon, N. Y.
Westcott Chuck Co., drill & lathe chucks, Oneida, N. Y.
Westcott, Frederick, architect, Rookery Bldg., Spokane, Wash.
Westcott, H. F., mill & facty. supplies, Ellsworth, Me.
Westcott, J. D., & Son, broom handles, Richword, W. Va.
Westcott-Jewell Co., rulers & meter sticks, Seneca Falls, N. Y.
Westcott & Mapes, contrs., naval archits. & consulting engrs., 204 Orange, New Haven, Conn.
Westcott Motor Car Co., Springfield, Ohio.
Westcott, R. L., contr., Chattanooga, Tenn.
Westcott, W. B., masons' & bldrs'. matls., Blue Hill Me.
Wester, Miss C. J., architect, James Bldg., Chattanooga, Ten
Wester, Jens N., contr., Perth Amboy, N. J.
Wester, S. J., Mfg. Co., sashes, doors & blinds, Boone, Iowa.
Westerberg, C. H. & Co., Inc., mill & facty. supp., 9 W. B'wa, New York.
Westerberg & Williams, contractors, Woolworth Bldg., Ne York.
Westergren, M. F., cornices, doors, etc., 213 E. 144th, New Yor
Westerlin & Campbell Co., machsts., 26 N. Clinton, Chicago, Il
Westerlind, C., architect, 179 W. Washington, Chicago, Ill.
Westerlund, C. A., cornices, Rock Hill, S. C.
Westerlund, J. V., contractor, 320 Market, San Francisco, Cal
Westerly Concrete Co., Westerly, R. I.
Westerly Textile Co., mosquito netting, Westerly, R. I.
Westerman & Co., iron bar mills, Lockport, N. Y.
Westerman Iron Wks., machsts. & fndrs., Seattle, Wash.
Western Aluminum Co., tubes, 180 N. Dearborn, Chicago, Ill.
Western Aniline Products Co., oils & colors, chemicals, etc Hammond, Ind.
Western Architect, trade publication, 215 S. Market, Chicago, Ill.
Western Archl. Iron Co., 211 W. Schiller, Chicago, Ill.
Western Art Glass Shade Wks., 105 Turk, San Francisco, Cal
Western Art Leather Co., Denver, Colo.
Western Asbestos Magnesia Co., 25 S. Park, San Francisco, Cal
Western Asbestos & Mfg. Co., pipe covering, W. 33rd & Marposa, Denver, Colo.
Western Automatic Mach. Co., 34 E. Court, Cincinnati, Ohio
Western Automatic Machine Screw Co., Elyria, Ohio.
Western Automobile Co., Seattle, Wash.
Western Badge & Button Co., Los Angeles, Cal.
Western Badge & Nov. Co., St. Paul, Minn.
Western Bag & Burlap Co., 2433 W. 14th, Chicago, Ill.
Western Block Co., tackle blocks, Lockport, N. Y.
Western Blow Pipe & Sheet Metal Co., exhaust & blow piping St. Louis, Mo
Western Blower Co., dust collectors, exhausters, oil filters, etc 1800 9th av., Seattle, Wash.
Western Blue Print Co., Gumbel Bldg., Kansas City, Mo.
Western Board & Paper Co., Kalamazoo, Mich.
Western Boarding & Supply Co., contrs., 133 W. Washington Chicago, Ill.
Western Boiler Compound & Chemical Co., Gloyd Bldg., Kansas City, Mo.
Western Bottle Mfg. Co., 402 W. Randolph, Chicago, Ill.
Western Box Co., wood nov., 326 River, Chicago, Ill.
Western Brass Mfg. Co., 217 Tehama, San Francisco, Cal.
Western Brass Mfg. Wks., brass & bronze castings, hdwe. mfrs. etc., Marshall blvd & W. 21st, Chicago, Ill.
Western Brick Co., Danville, Ill.
Western Brick & Supply Co., Hastings, Nebr.
Western Bridge & Constr. Co., Omaha, Neb.
Western Builders' Supply Co., mouldings, etc., 135 2d, San Francisco, Cal.
Western Button Factory, bone butons, all sizes, 15th & Utah San Francisco, Cal.
Western Cabinet & Fixture Mfg. Co., store & bar fix., Kansas City, Mo.
Western Carbonic Gas Co., Agnew, Cal.
Western Cartridge Co., ammunition, East Alton, Ill.
Western Casket Co., Oakland, Cal.
Western Casket Hardware Co., Elgin, Ill.
Western Chemical Mfg. Co., Denver, Colo.
Western Chemical Products Co., 210 N. Canal, Chicago, Ill.
Western Clay Mfg. Co., Helena, Mont.
Western Clock Co., La Salle, Ill.
Western Coal Mining Co., Railway Exch. bldg., St. Louis, Mo.
Western Coil & Electric Co., therapeutic lamps, Racine, Wis.
Western Contractor, trade publication, Northwestern Bank Bldg., Kansas City, Mo.
Western Const. Co., Boise, Idaho.
Western Cooperage Co., kegs, tanks—wooden, Portland, Ore.
Western Cottage Piano & Organ Co., Ottawa, Ill.
Western Covered Button Co., 138 Wooster, New York.
Western Crucible Steel Casting Co., 2843 Pleasant av, Minneapolis, Minn.
Western Development Co., magnesite, Pacific Bldg., San Francisco, Cal.
Western Die & Stamping Works, 721 Fulton, Chicago, Ill.
Western Display Co., 301 Chestnut, St. Paul, Minn.
Western Drop Forge Co., Marion, Ind.
Western Dry Battery Co., Seattle, Wash.
Western Elaterite Roofing Co., Denver, Colo.
Western Electric Co., electrical specialties mfrs., 463 West, New York.
Western Electro Mechanical Co., elec. instruments & testing equip., 465 2nd, Oakland, Cal.
Western Enameled Steel Sign Co., litho., 180 N. Dearborn, Chicago, Ill.
Western Engineering Co., cornices & skylights, Seattle, Wash.
Western Equipment Co., contractors' tools & supplies, San Francisco, Cal.
Western Farquhar Machy. Co., dlrs., Portland, Ore.
Western Federal Supply Co., powdered talc, Cleveland, Ohio.
Western Felt Works, wood felt, 4115 Ogden av, Chicago, Ill.
Western Fibre Reed Co., Chicago, Ill.

Western Fir Lbr. Co., Tacoma, Wash.
Western Fire Appliance Co., 51 2nd, San Francisco, Cal.
Western Fireworks Co., Denver, Colo.
Western Fixture Co., 737 W. 16th, Los Angeles, Cal., & 1402 Weil, Milwaukee, Wis.
Western Foundry, 5th & Folsom, San Francisco, Cal.
Western Fdry. & Mfg. Co., Springfield, Ohio.
Western Fdry. Co., 3634 S. Kedzie av, Chicago, Ill.
Western Foundry & Machine Wks., Topeka, Kans., & Helena, Mont.
Western Fdry. & Sash Weight Co., 2d & Miller, St. Louis, Mo.
Western Fdry. & Stove Repair Wks., Salt Lake City, Utah.
Western Fuel Co., masons' & bldrs.' matls., 430 California, San Francisco, Cal.
Western Furniture Co., desk mfrs., Blair av & Palm, St. Louis, Mo.
Western Furniture & Mfg. Co., mattresses, Lincoln, Neb.
Western Gas Construction Co., Fort Wayne, Ind.
Western Gas Engine Corp. See Western Machinery Co. (successor).
Western Gas Fixture Co. See Riddle, Edward N. Co. (successor).
Western Glass Co., Streator, Ill. *See adv index at end of book.*
Western Glass & Paint Co., Lincoln, Neb.
Western Grain & Sugar Products Co, 110 Sutter, San Francisco, Cal.
Western Grip & Trunk Co., 791 30th, Milwaukee, Wis.
Western Haircloth Co., 3109 S. Robinson, Chicago, Ill.
Western Hammock Co., La Crosse, Wis.
Western Hardware Co., Leadville, Colo.
Western Hdwe. Mfg. Co., 557 W. Monroe, Chicago, Ill., & 858 3d, Milwaukee, Wis.
Western Hardware & Metal Co., 1201 Av S, Seattle, Wash.
Western Hardwood Lbr. Co., Los Angeles, Cal.
Western Heavy Hardware & Iron Co., mill & facty. supply, & Iron Co., Oakland, Cal.
Western Improvement Co., sash, door & screen frames, etc., Minot, N. Dak.
Western Indiana Mining Co., coal mine, Terre Haute, Ind.
Western Industries Co., alcohol, 110 Sutter, San Francisco, Cal.
Western Inspection Co., fire extinguishers, Buffalo, N. Y.
Western Instrument Co., 1001 Washington blvd, Chicago, Ill.
Western Insulation Co., light switchboards, 557 W. Monroe, Chicago, Ill.
Western Iron Co., 4406 N. Clark, Chicago, Ill.
Western Iron Fdry. Co., Denver, Colo.
Western Iron & Foundry Co., Wichita, Kans.
Western Iron Stores Co., mill & facty. supplies, 145 W. Water, Milwaukee, Wis.
Western Iron & Wire Wks., Omaha, Neb.
Western Iron Works, 141 Beale, San Francisco, Cal.
Western Iron Wks., fndrs., Manitowoc, Wis.
Western Kieley Steam Spec. Co., 116 W. Illinois, Chicago, Ill.
Western Knitting Mills, bathing suit mfrs., 215 4th av, New York.
Western Knitting Mills, knitted gloves, Rochester, Mich.
Western Knitting Mills, sweaters, cardigans, etc., 231 Maujer, Brooklyn, N. Y.
Western Knitting Mills, sweaters, etc., 1140 Blue Island av, Chicago, Ill.
Western Ldry. Machy. Co., 416 Mission, San Francisco, Cal.
Western Lime & Cement Co., Pabst Bldg., Milwaukee, Wis., & Postal Tele. Bldg., San Francisco, Cal.
Western Lime Wks., St. Genevieve, Mo.
Western Lumber & Pole Co., Spokane, Wash.
Western Machine & Foundry Co., see Shark, L. C., Mfg. Co. (successors).
Western Mach. Mfg. Co., 443 Rosabel, St. Paul, Minn.
Western Mach. Tool Wks., machsts., Holland, Mich.
Western Mach. Wks., Indianapolis, Ind.
Western Machy. Co., 900 N. Main, Los Angeles, Cal.
Western Machy. Co., Tucson, Ariz.
Western Machy. Exchange, mill & facty. supplies, 201 Falsom, San Francisco, Cal.
Western Malleable Castings Co., Boyle & Slawson avs, Los Angeles, Cal.
Western Malleables Co., castings, Beaver Dam, Wis.
Western Mfg. Co., concrete mixers, troughs, etc., Oskaloosa, Ia.
Western Manufacturing Co., sashes, doors & blinds, Toledo, O
Western Mattress & Bedding Co., Liberty & Baymiller, Cincinnati, Ohio.
Western May-Oatway Fire Alarms, Los Angeles, Cal.
Western Meat Co., 6th & Townsend, San Francisco, Cal.
Western Mechanical Wks., 520 W. Pico, Los Angeles, Cal.
Western Merchandise & Supply Co., printing inks, 326 W. Madison, Chicago, Ill.
Western Metal Mfg. Co., culverts—road, El Paso, Tex.
Western Metal Products Co., wire cloth perforated metals, 731 N. Wells, Chicago, Ill. *See adv. index at end of book*
Western Metal Supply Co., San Diego, Cal.
Western Mirror Plate Co., 824 Wade, Cincinnati, Ohio.
Western Motor Draying Co., 1444 Church, San Francisco, Cal.
Western Oil Pump & Tank Co., 2437 Kosciusko, St. Louis, Mo.
Western Optical Co., Pacific Bldg., San Francisco, Cal.
Western Oxide & Spec. Co., 2117 S. Jefferson, Chicago, Ill.
Western Oxygen & Gas Products Co., 2311 E. 52nd, Los Angeles, Cal.
Western Packing & Provision Co., 3854 S. Morgan, Chicago, Ill.
Western Packing & Supply Co., packing leather, 231 N. 5th av, Chicago, Ill. *See adv. index at end of book*
Western Paper Goods Co., tobacco bags, 3rd & Lock, Cincinnati, Ohio.
Western Paper Makers Chem. Co., alizarine & sulphonated oils, Kalamazoo, Mich.
Western Pattern & Mfg. Co., Moline, Ill.
Western Paving Co., Oklahoma, Okla.
Western Petroleum Co., 201 S. La Salle, Chicago, Ill.
Western Pine Lbr. Co., Klickitat, Wash.
Western Pipe & Steel Co., hydraulic cylinders, pipes & tanks, 444 Market, San Francisco, Cal.
Western Pipe & Supply Co., mill & facty. supplies, 20-52 Fullerton, Chicago, Ill.
Western Plumbing Supply Co., plbrs. supplies, jobbers, 3228 Filmore, Chicago, Ill.
Western Pocahontas Fuel Co., 61 Broadway, New York, N. Y.
Western Pottery Co., 3107 S. Michigan av, St. Louis, Mo.
Western Pottery Co., Denver, Colo.
Western Powder Mfg. Co., East Alton, Ill.
Western Ry. Equip. Co., Central Nat'l Bank Bldg., St .Louis. Mo.
Western Radiator & Fender Mfg. Co., 1430 Bush, San Fran., Cal.
Western Rawhide & Belting Co., 600 S. Pierce, Milwaukee, Wis.
Western Reduction Co., fertilizer mfrs., 1501 Evans, San Francisco, Cal.
Western Reflector Co., shades, 1053 W. Lake, Chicago, Ill.
Western Reserve Furniture Co., music cabinets, Warren, O.
Western Reserve Lumber Co., Warren, O.
Western Reserve Rubber Co., rubber toys, South Akron, Ohio.
Western Reserve Varnish Co., 1251 Marquette, Cleveland, O.
Western Robe Mills, metal polish, 162 N. Desplaines, Chicago, Ill.
Western Rock Island Plow Co., Omaha, Neb.
Western Rock Salt Co., Arcade bldg., St. Louis, Mo.
Western Roofing & Supply Co., paper, 3611 Loomis, Chicago, Ill.
Western Rope & Mfg. Co., oil well drilling tools, Tulsa, Okla.
Western Rubber Co., Goshen, Ind.
Western Sand Blast Mfg. Co., glass, signs, etc., 1458 W. Kinzie, Chicago, Ill.
Western Screen Co., 1489 E. 4th, Los Angeles, Cal.
Western Screw Mfg. Co., machine screws, 4419 W. Kinzie, Chicago, Ill.
Western Screw Prod. Co., 3219 S. B'way, St. Louis, Mo.
Western Shade Cloth Co., 2100 S. Jefferson, Chicago, Ill.
Western Slate Co., plumbers' slate, 326-28 Aberdeen, Chicago, Ill.
Western Silo Co., Ltd., Des Moines, Iowa.
Western Soap Co., Ltd., Spokane, Wash.
Western Sporting Goods Mfg. Co., 126 N. Union av, Chicago, Ill.
Western Stamp & Stencil Co., Omaha, Neb.
Western Star Mill Co., rye flour, Salina, Kans.
Western States Const. Co., Hearst Bldg., San Francisco, Cal.
Western States Cutlery & Mfg. Co., Boulder, Colo.
Western States Lbr. Co., St. Paul, Minn.
Western States Portland Cement Co., Independence, Kans
Western Steel Car & Foundry Co., 122 S. Michigan av, Chicago, Ill.
Western Steel & Iron Works, iron archl. & ornamental, De Pere, Wis.
Western Steel & Wire Co., machsts., Kansas City, Kans.
Western Stone Co., 133 W. Wash., Chicago, Ill.
Western Stopper Co., crown corks, 2800 20th, San Francisco, Cal.
Western Sugar Refining Co., 60 California, San Francisco, Cal.
Western Supply Co., mill & facty. supplies, 61 1st, Portland, Ore.
Western Supply Co., mill, facty. & plumbers' supplies, Lincoln, Neb., & Park sq. St. Paul, Minn.
Western Supply & Mfg. Co., mill & facty. supplies, 25 S. Clinton, Chicago, Ill.
Western Tablet Co., St. Joseph, Mo.
Western Tent & Awning Co., Lincoln, Neb.
Western Terra Cotta Co., Kansas City, Mo.
Western Tie & Timber Co., Syndicate Trust Bldg., St. Louis, Mo.
Western Tin & Japan Mfg. Co., 1013 Walnut, Cincinnati, O.
Western Tinware Co., St. Louis, Mo.
Western Tool & Forge Co., Brackenridge, Pa.
Western Tool Co., jigs & fixtures, 577 N. 3d, Newark, N. J.
**WESTERN TOOL & MFG. CO., THE,** toolholders, Springfield, Ohio.
Western Transformer Co., Oakland, Cal.
Western Type Fdry., 343 S. Dearborn, Chicago, Ill.
Western Umbrella Co., Omaha, Neb.
Western Utilities Co., elec. light plants, 204 Grand av, Milwaukee, Wis.
Western Valve Co., steam fitters' supplies, 701 W. Wash. blvd., Chicago, Ill.
Western Vulcanizer Mfg. Co., 150 M. Desplaines, Chicago, Ill.
Western Watch Case Mfg. Co., 29 E. Madison, Chicago, Ill.
Western Wheelbarrow Mfg. Co., machsts. & fndrs., South Ft. Smith, Ark.
Western Wheeled Scraper Co., agrlt. implts., Aurora, Ill.
Western Windmill Co., mill & facty. supplies, Sweetwater, Tex.
Western Wire Mattress Co., 2401 17th, San Francisco, Cal.
Western Wood Preserving Co., Spokane, Wash.
Western Washer Co., 2279 E. 15th, Los Angeles, Cal.

Western Wrecking Co., architects, 1532 W. Washington, Indianapolis, Ind.
Westervelt, Geo. E., contractor, Tenafly, N. J.
Westervelt, J. C., architect, 36 W. 34th, New York.
Westervelt, J. S., contractor, Englewood, N. J.
Westervelt, J. W., & Co., machsts., 198 William, New York.
Westfahl File Co., 467 31st, Milwaukee, Wis.
Westfield Mfg. Co., bicycle mfrs., Westfield, Mass.
Westfield Marble & Sandstone Co., Westfield, Mass.
Westfield Miller Co., flour, Westfield, N. C.
Westfield Plate Co., mchsts. & fdrs., Thompsonville, Conn.
Westfield River Paper Co., paper & pulp mills, Russell, Mass.
West Frankfort Coal Co., West Frankfort, Ill.
Westgate, Fred. H., willow ware mfrs., Liverpool, N. Y.
Westhoff & Distin, architects, Saranac Lake, N. Y.
Westhoff, M. H., architect, Stearns Bldg., Springfield, Mass.
West Kentucky Coal Co., Sturgis, Ky.
Westing, G. H., Co., sporting gds. jobbers, Penn. & Vermont, Massachusetts av, Indianapolis, Ind.
Westinghouse Air Brake Co., machsts. & fndrs., Pittsburgh, Pa.
Westinghouse Automatic Air & Steam Coupler Co., Boatman's Bank bldg., St. Louis, Mo.
Westinghouse, Church, Kerr & Co., see Robinson, Dwight, P., & Co., Inc. (successors).
Westinghouse, Church, Kerr & Co., contrs., Wilkins bldg., Washington, D. C.
Westinghouse Co., agricultural implements & traction engines, Schenectady, N. Y.
Westinghouse Electric & Mfr. Co., electrical apparatus of every description, East Pittsburgh, Pa. *See adv index at end of book.*
Westinghouse Lamp Co., 165 B'way, New York.
Westinghouse Pacific Coast Brake Co., air compressors, 65 Market, San Francisco, Cal.
Westinghouse Traction Brake Co., air brakes for electric cars, Westinghouse bldg., Pittsburgh, Pa.
Westlake Constr. Co., Ry. Exch. bldg., St. Louis, Mo.
Westlund, August, mill & facty. supplies, Marinette, Wis.
Westlund, C. G., Co., friction clutches, engine lathes — special machinery mfrs., 498 Millbury, Worcester, Mass.
Westmoreland Coal Co., bituminous, 224 S. 3rd, Philadelphia, Pa.
Westmacott Gas Furnace Co., 159 Orange, Providence, R. I.
Westminster Fertilizer Co., Westminster, Md.
Westminster Oil & Fertz. Co., Westminster, S. C.
Westmoreland Automatic Mach. Co., shoe shining machs., Irwin, Pa.
Westmoreland Brick Co., 2nd Nat'l Bank Bldg., Pittsburgh, Pa.
Westmoreland Canning Co., Mount Holly, Va.
Westmoreland Chemical & Color Co., color mfgs. & imptrs., Philadelphia, Pa.
Westmoreland Malleable Iron Co. (Ltd.), malleable iron castings, Westmoreland, N. Y.
Westmoreland Spec. Co., cut glassware, Grapeville, Pa.
Westmoreland, W. B., Co., mill & facty. supplies, Woodruff, S. C.
Weston, A., & Son, lumber mfrs., North Tonawanda, N. Y.
Weston Brick Wks., Weston, W. Va.
Weston & Brooker, pipe, Columbia, S. C.
Weston Byron Co., paper & pulp mills, Dalton, Mass.
Weston Carbon Co., Warren, Pa.
Weston Electrical Instrument Co., Waverly Park, Newark, N. J.
Weston, F. A., architect, Greensboro, N. C.
Weston, H., Lumber Co., Logtown, Miss.
Weston, J. H. & J. S., contrs., Nashua, N. H.
Weston & Kroeger, contrs., San Antonio, Tex.
Weston, L. A., mill & facty. supplies, Adams, Mass.
Weston Milling Co., flour, Weston, W. Va.
Weston-Mott Co., wheels & axles, Flint, Mich.
Weston Paper & Mfg. Co., display racks & toilet paper holders, Dayton, Ohio.
Weston Shepard & Davison, architects, 36 E. 23d, New York.
Weston & Smith, architects, 73 State, Detroit, Mich.
Veston, Thomas B., hardware mfrs., 708 Light, Baltimore, Md.
Veston, W. M., Co., masons' & bldrs'. matls., 120 Milk, Boston, Mass.
Westover Steel & Iron Wks., structural steel, Lincoln, Nebr.
Westphal, O. K., architect, Kasota bldg., Minneapolis, Minn.
Westport Lime & Cement Co., masons' & bldrs.' matls., 121 W. 8th, Kansas City, Mo.
Westport Lbr. Co., Portland, Ore.
Westport Mfg. Co., cordage & twine mfrs., Fall River, Mass.
Westport Paper Co., binders' boards, Westport, Conn.
Westport Paving Brick Co., paving brick mfrs., Westport, Md.
Westport Stone Co., Westport, Ind.
Westrumite Co., asphalt dlrs. & imptrs., Whiting, Ind.
West's, L. M., Sons, auto. & carriage tops & dressing, Rockford, Ill.
Westwater Supply Co., mill, facty. & plumbers' supplies, 150 N. 3d, Columbus, Ohio.
Westwick, John, & Son, machsts. & fndrs., Galena, Ill.
Westwood Turning Co., neck yokes, Fremont, Ohio.
Wetherbee, Geo C., & Co., horse brushes, 49 Jefferson av, Detroit, Mich.
Wetherbee-Huggins Co., lumber, Waynesboro, Miss.
Wetherell Bros. Co., steel & steel wire, 251 Albany, Cambridge, Boston, Mass. *See adv. index at end of book*
Wetherell, Chester H., contractor, Olean, N. Y.
Wetherell, Frank E., architect, Youngerman Bldg., Des Moines, Iowa.
Wetherell, O. B., & Son Co., mill & facty. supplies, Fall River, Mass.
Wetherhold, W. W., carriages, Reading, Pa.
Wetherhorn, L., & Son, sash, door & blind, Charleston, S. C.
Wetherill & Bro., lead, litharge, 126 S. 30th, Philadelphia, Pa.
Wetherill, Geo. D., & Co., paint mfrs., 114 N. Front, Phila., Pa.
Wetherill, Robt., & Co., machsts. & fndrs., Chester, Pa.
Wetherill, S. P., pigments, Morris Bldg., Philadelphia, Pa.
Wetmore, L. D., Co., lbr. mfrs., Warren, Pa.
Wetmore & Morse Granite Co., Montpelier, Vt.
Wetmore Reamer Co., 210 Sycamore, Milwaukee, Wisc.
Wetmore-Savage Co., insulators, 76 Pearl, Boston, Mass.
Wetmore, W. S., architect, Port Chester, N. Y.
Wettengel, Ed. A., architect, Appleton, Wis.
Wettengel, W., & Son, carriages, Omaha, Neb.
Wetter, H., Mfg. Co., steel ranges, Memphis, Tenn.
Wetter Numbering Mach. Co., 255 Classon av, Brooklyn, N. Y.
Wetterhold, Geo., mattresses, Wichita, Kans.
Wetterwald & Pfister Co., aniline colors & dyes, 276 Spring, New York. *See adv. index at end of book*
Weule, Louis, Co., nautical instrument mfrs., 6 California, San Francisco, Cal.
Wetzel, B. C., & Co., architects, Dime Bk. Bldg., Detroit, Mich.
Wetzel, E. S., cornices & skylights, Bremerton, Wash.
Wetzel, John A., architect, Hielbourne, Katorah, N. Y.
Wetzel, John F., trunk mfr., Paterson, N. J.
Wetzel Mechanical Stoker Co., Trenton, N. J.
Wetzel, P. A., Co., filing cabinets & devices, Rockford, Ill.
Wexford Canning & Preserving Co., Wexford, Mich.
Wexler Knitting Mills, 29 N. 2d, Philadelphia, Pa.
Weyand, Hy., Co., conductor pipe, fireproof windows, etc., Waterbury, Conn.
Weybrecht's, J. T., Sons, sash, door & blind mfrs., Alliance, O.
Weyburn Co., plow coulters, Rockford, Ill.
Weydell, F. O., patterns & models, 12 S. Clinton, Chicago, Ill.
Weydig-Henkelman Piano Mfg. Co., Inc., 406 W. 14th, New York.
Weyerhaeuser & Co., lbr., Merchants' Nat. Bk. Bldg., St. Poul, Minn.
Weyerhaeuser & Denkmann Co., lumber, Rock Island, Ill.
Weyerhaeuser Timber Co., Everett, Wash.
Weyland, Ernest, architect, 114 Grand, Milwaukee, Wis.
Weymer, A. F., Co., corn & whisk brooms, Syracuse, N. Y.
Weymouth Art Leather Co., East Weymouth, Mass.
Weymouth Constr. Co., Seattle, Wash.
Whale Creek Iron Works, 245 Huron, Brooklyn, N. Y.
Whalen & Burns, contractors, Ogdensburg, N. Y.
Whalen, Jas., contractor, Hoboken, N. J.
Whaley, J. A. & Co., paper & silk shades, etc., 118 5th av, New York.
Whaley, J. A., & Co., masons' & bldrs.' matls., 41 Smith, Providence, R. I.
Whaley, J. F., machy. dealer, Stuttgart, Ark.
Whaley, W. M., & Co., mill & facty. supplies, Norfolk, Va.
Whall, C. H., & Co., insulating joints, 170 Summer, Boston, Mass.
Whan, Alexander, contractor, Hoboken, N. J.
Whann, W. E., Co., fertilizer mfrs., Drexel Bldg., Phila., Pa.
Wharton & Co., masons' & bldrs.' matls., Yale, Mich.
Wharton, G. D., contractor, 213 Winthrop av, New Haven, Conn.
Wharton, Geo., contractor, 1168 Sherman av, Salt Lake City, Utah.
Wharton Steel Co., blast furnaces, Morris blvd, Phila., Pa.
Wharton, Wm., Jr., & Co., Inc., manganese steel track work, machsts. & fndrs., Easton, Pa.
What Cheer Tool Co., What Cheer, Iowa.
What Cheer Wire Wks., 157 Dorrance, Providence, R. I.
Whatcom Falls Mill Co., lumber, Bellingham, Wash.
Whatcom Machinery Depot, dealers, Bellingham, Wash.
Whayne Roy C. Supply Co., contrs. equipt., & mill & facty supplies, 608 W. Jefferson, Louisville, Ky.
Wheat Paper Co., paper & pulp mills, Elkhart, Ind.
Wheatcraft U., & Son, brick, Butler, Ohio.
Wheatcroft, W. G., & Sons, common brick, Grayville, Ill.
Wheatena Co., cereal foods, Rahway, N. J.
Wheatland Roller Mills Co., feed, Wheatland, Wyo.
Wheatley, Arthur, architect, Walker bldg, Seattle, Wash.
Wheatley Pottery Co., Cincinnati, Ohio.
Wheaton, A. W., Brass Wks., 110 Walnut, Newark, N. J.
Wheaton Bldg. Lumber Co., contractors, Putnam, Conn.
Wheaton, C. M., & Co., wire rope clamps, Sunbury, Ohio.
Wheaton, F. E., & Son, masons' & bldrs.' matls, Wheaton, Ill.
Wheaton, T. C., & Co., glass bottles, Millville, N. J.
Whedon, Webster D., wood handles, Madison, Conn.
Wheel B. Top & H'dwe Co., auto & carriage h'dwe., 127 E. 8th, Cincinnati, O.
Wheel Truing Brake Shoe Co., The Lenox, Detroit, Mich.
Wheel Truing Tool Co., Penobscot bldg., Detroit, Mich.
Wheel & Wood Bending Co., Bridgeport, Conn.
Wheeler, A. B., & Son Co., heating contractors, Wausau, Wis.
Wheeler, A. G. & F., fertilizer mfrs., Stonington, Conn.
Wheeler, Alfred H., architect, Globe Bldg., St. Paul, Minn.
Wheeler-Arnold Co., ties, poles, etc., Wittenberg, Wis.
Wheeler, Asahel Co., paint mfrs., 58 High, Boston, Mass.
Wheeler, Aylesworth & Co., lumber, Endeavor, Pa.

eler-Blaney Co., mill & facty. supplies, Kalamazoo, Mich.
eler Bros., machsts. & fndrs., So. Norwalk, Conn.
eler Bros., Brass Fndry., Troy, N. Y.
eler, C. H., Mfg. Co., condensers, valves, pumps, Lehigh & 18th, Philadelphia, Pa.
eler Coal Co., Artemus, Ky.
eler Condenser & Engineering Co., Carteret, N. J.
*See adv index at end of book*
eler & Dusenberry, lumber, Endeavor, Pa.
eler Elevator Co., 1221 Washington blvd, Chicago, Ill.
eler Engine Wks., Bridgeport, Conn.
eler, F. E., cornices, Portland, Me.
eler, F. H., Mfg. Co., canvas, duck aprons, 215 W. Huron, Chicago, Ill.
eler, Frank, & Son, machsts. & fndrs., Meriden, Conn.
eler, G. R., brick, Gainesville, Ga.
eler, Geo., ladders, Norwich, N. Y.
eler, Harvey M., Lbr. Co., Jonesville, La.
eler & Holcomb Co., asbestos gloves, 1360 Wells, Chicago, Ill.
eler & Howes, masons' & bldrs.' matls., Bridgeport, Conn.
eler, J. H., architect, Exchange Bk. Bldg., St. Paul, Minn.
eler, J. R., & Co., lumber, Park Bldg., Pittsburgh, Pa.
eler, J. W., & Co., lbr., Memphis, Tenn.
eler, John, Construction Co., Geneva, Ill.
eler & Johnson, architect, 137 Broad, Lynn, Mass.
eler Lumber Bridge & Supply Co., Des Moines, Iowa.
eler Lbr. Co., Wheeler, Ore.
eler-McDowell Elev. Co., 417 Canal, New York.
eler, Mifflin & Co., scrap iron & steel, Commercial Trust Bldg., Philadelphia, Pa.
eler-Osgood Co., sashes, doors & blinds, Security Bldg., Minneapolis, Minn., & Tacoma, Wash.
eler-Reese Lumber Co., Tacoma, Wash.
eler Reflector Co., electric fixtures, etc, 156 Pearl, Boston, Mass.
eler, Reynolds & Stauffer, bisulphide carbon, 624 California, San Francisco, Cal.
eler-Schebler Carburetor Co., Indianapolis Ind.
eler Screen Co., Geneva, Ill.
eler-Timlin Lbr. Co., Wausau, Wis.
eler Varnish Wks., 2260 Elston av, Chicago, Ill.
eler, W. A., mail boxes & slitting shears, Indianapolis, Ind.
eler, W. H., architect, Spreckles bldg., San Diego, Calif.
eler, W. W., & Co., contractors, 715 W. Washington, Chicago, Ill.
eler & Wilson, hammock mfrs., 15 Merchants row, Boston, Mass.
eling Bronze Casting Co., mfrs. brass, bronze & aluminum castings, Wheeling, W. Va.
eling Butchers' Association, meat packers, Wheeling, W. Va.
eling Can Co., tin can mfrs., Wheeling, W. Va.
eling Glass Letter & Novelty Co., lenses, Wheeling, W. Va.
eling Mattress Co., Wheeling, W. Va.
eling Metal & Mfg. Co., Wheeling, W. Va.
eling Mold & Foundry Co., Wheeling, W. Va.
eling Sanitary Mfg. Co., Wheeling, W. Va.
eling Stamping Co., lamp burners, collapsible tubes and lanterns, Wheeling, W. Va.
eling Steel Casting Co., Wheeling, W. Va.
eling Steel & Iron Co., steel, tin plate & wrought pipe mills, Wheeling, W. Va.
eling Stove & Range Co., Wheeling, W. Va.
eling Tent & Awning Co., Wheeling, W. Va.
eling Tile Co., vitreous floor tile, Wheeling, W. Va.
eling Township Coal Mining Co., Adena, O.
eling Wall Plaster Co., Wheeling, W. Va.
elock, Geo. F., Co., cornices, Birmingham, Ala.
elock, H. B., architect, 64 W. Randolph, Chicago, Ill.
elock, H. B., architect, Steiner Bldg., Birmingham, Ala.
elock, Lovejoy & Co., wire, steel & Swedish iron, 23 Cliff, New York.
elock Lumber & Mfg. Co., 1751 N. Maplewood av, Chicago, Ill.
elock Mfg. Co., flexible metallic tubing, Wheelock, Vt.
elock Piano Co., 605 E. 132d, New York.
elon, E. R., contractor, 825 E. 9th, So. Salt Lake City, Utah.
elwright Construction Co., Ogden, Utah.
elwright, Geo. W., Paper Co., 95 Milk, Boston, Mass.
elwright, Robert, landscape architect, 15 E. 40th, New York.
etley Spoke Co., Wheetley, Ark.
an, Alex. T., cornices & skylights, St. Joseph, Mo.
an, D. J. (Est. of), shears, Troy, N. Y.
an, Martin, cornices, Ardmore, Pa.
an, P. J., & J. T., contractors, Lincoln Bldg., Phila., Pa.
an, Thos., & Co., bldg. contrs., Quincy, Mass.
and Co., mill & facty. supplies, Chattanooga, Tenn.
er, J. R. Co., lbr., Danieltown, Va.
ry, Jas. & Co., contractors, 857 W. North av, Pittsburgh, Pa.
ry, S. C., architect, Mitchell, S. D.
by Is. Sand & Gravel Co., Bellingham, Wash.
den, A. H., & Son, mill & facty. supplies, Peabody, Mass.
den-Beekman Co., contractors, 70 Devonshire, Boston, Mass.
den & Lewis, architects, Wilcox Bldg., Portland, Ore.
e, Geo. H., & Sons, contractors, Canton, Ohio.
din, D. O., architect, Title Guarantee Bldg., Birmingham, Ala.

Whilldin Pottery Co., 713 Wharton, Phila., Pa.
Whinston, B. H., & C. N., architects, 2 Columbus Circle, New York.
Whinston, Morris, architect, 63 Park Row, New York.
Whipp Mach. Tool Co., Sidney, Ohio.
Whipple Art Glass Co., 409 Prospect av, N. W., Cleveland, Ohio.
Whipple & Campbell Co., platinum, 488 S. Main, Providence, R. I.
Whipple & Choate, brass, manganese & phosphor bronze ingots, Bridgeport, Conn.
Whipple, Eugene B., architect, 17 Exchange, Providence, R. I.
Whirret Bros., currycombs, stirrups, Delphos, Ohio.
Whisler, Chas. F., masons' & bldrs.' matls., Hillsboro, Ohio.
Whisler, John, blacksmith, Gibson, Ia.
Whistler, J. C., machst., Newville, Pa.
Whistler Porch Column Fcty., sash, door & blind, Centralia, Wash.
Whistler & Scearcy Co., lumber, Ironton, Ohio.
Whitacre-Greer Fireproofing Co., Waynesburg, Ohio.
Whitacre, J. E. Mfg. Co., machsts., Rockford, Ill.
Whitacre, R. B., & Co., machy. dlrs., St. Paul, Minn.
Whitaker Bros. Co., spokes, wagon, Meridian, Miss.
Whitaker, C. L., architect, Dravosburg, Pa.
Whitaker, Fred. Co., cotton & wool water, 2122 E. Hazzard, Phila., Pa.
Whitaker-Glessner Co. (Wheeling Corrugating Dept.), tin plates, steel sheets, iron & steel rolling mills, etc., Wheeling, W. Va.
Whitaker Mfg. Co., mill & facty. supplies, agric'l implements, 409 S. Green, Chicago, Ill.
Whitaker Paper Co., Eggleston av, 6th & Lock, Cincinnati, Ohio.
Whitaker, Reed Co., travelers' rings, reeds, Worcester, Mass.
Whitaker, Wm., & Sons, denims, awning stripes, Cedar Grove, Phila., Pa.
Whitall, Tatum Co., druggists' & surgical glass & rubber goods, 410 Race, Phila., Pa.
Whitall Tatum Co., test tube brushes, burettes, & burners, 63 Barclay, New York.
Whitby, C. H., & Son, canned goods, Denton, Md.
Whitby, Wm. H., contractor, Easton, Md.
Whitcher, C. R., architect, Manchester, N. H.
Whitcher, F. W, Co., shoe laces, 14 Albany, Boston, Mass.
Whitcomb-Blaisdell Machine Tool Co., lathes, chucking & planing machines, Worcester, Mass.
Whitcomb Cabinet Co., bank, office & store fix., show cases, etc., Kansas City, Mo.
Whitcomb, E. Noyes, Co., contractors, 49 Wareham, Boston, Mass.
Whitcomb Envelope Co., Worcester, Mass.
Whitcomb & Faulkner, mill & facty. supplies, Palmer, Mass.
Whitcomb, Frank L., contractor, 17 Wareham, Boston, Mass.
Whitcomb, Geo. D., Co., machsts. & fndrs., Rochelle, Ill.
Whitcomb, Haynes & Whitney, lumber, Ellsworth Falls, Me.
Whitcomb & Kavannaugh Co., contractors, 6 Beacon, Boston, Mass.
Whitcomb Metallic Bedstead Co., Shelton, Conn.
White, A. C., lbr., Laclede, Idaho.
White, A. D., Machy. Co., 108 N. Jefferson, Chicago, Ill.
White, A. E., Mach. Wks., Eau Claire, Wis.
White, A. H., Co. (Ltd.), roofing paper, Howard, Venus, Miro, & Tanti, New Orleans, La.
White, A. J., architect, Big Rapids, Mich.
White, A. L., Mfg. Co., organs, 215 Englewood av, Chicago, Ill.
White American Locomotive Sander Co., Roanoke, Va.
White, A. P., & Co., flour mills, Cadiz, Ky.
White, B. V., architect, Summit, N. J.
White & Bagley Co., lubricating oils & greases, Worcester, Mass.
White, Barclay & Co., contractors, 1530 Chestnut, Phila., Pa.
White, Benj. S., Mach. Shop & Fdry., Shreveport, La.
White, Benj. T., contractor, Newport, R. I.
White Brass Castings Co., 1656 Austin av, Chicago, Ill.
White Brick Co., Comanche, Tex.
White & Bro., ingot metals, Phila., Pa.
White Bros., architects, Brainard, Minn.
White Bros., awning stripes, & tickings, Winchendon Springs, Mass.
White Bros., denims, E. Jaffrey, N. H.
White Bros., lumber, 5th & Brannan, San Francisco, Cal.
White Bros., fndrs., Western Port, Md.
White, C. Ferris, architect, 828 Montgomery, W. Spokane, Wash.
White, C. P., Lumber Co., Boonville, Ind.
White, C. W., & Co., elastic hosiery, 99 Court, Boston, Mass.
White, Chas., sashes, doors & blinds, Frenchtown, N. J.
White, Chas. & Co., machinists, 418 O. S. W., Washington, D. C.
White, Chas. E., architect, 617 E. 24th, Paterson, N. J.
White, Chas. E., Jr., architect, 343 S. Dearborn, Chicago, Ill.
White, Charles F., architect, Citizens' Bldg., Cleveland, O.
White, Chas. Gas Engine Co., engine manfrs., Scott & McHenry, Baltimore, Md.
White, Chas. H., lumber mfrs., Webster Crossing, N. Y.
White, Chas. H., & Sons Co., pattern & flask stock lbr., 18th & Indiana, Philadelphia, Pa.
White City Elec. Co., storage batteries, 14 N. Franklin, Chicago, Ill.
White Cloud Mill & Elevator Co., White Cloud, Kans.
White & Co., masons' & bldrs.' matls., Anderson, S. C.
White (The), Co., automobile builders, 79th & St. Clair, Cleveland, Ohio.
White Constr. Co., 425 E. Water, Milwaukee, Wis.

White Constr. Co., 17 N. La Salle, Chicago, Ill.
White, Corbin & Co., plain envelopes, Rockville, Conn.
White, David, Co., engineers field & drawing instruments & supplies, 419 E. Water, Milwaukee, Wis.
White, E. E., Coal Co., Glen White, W. Va.
White, E. I., ship bldrs., Machias, Me.
White, E. M., & Co., motor boats, canoes, etc., Old Town, Me.
White, E. V., & Co., mill & facty. supplies, Norfolk, Va.
White Elm Nursery Co., landscape architects, 738½ Cramer, Milwaukee, Wis.
White, Elmer S., & Co., auto rugs, Heed Bldg., Phila., Pa.
White Enamel Refrigerator Co. See Bohn Refrigerator Co. (successor).
White, F. H., & Co., mchsts. & fdrs., South Easton, Mass.
White, F. H., Co., hat boxes, 1001 Hamilton, Phila., Pa.
White, F. J., iron, 462 Maine av, S. W., Washington, D. C.
White, F. Manson, architect, Chamber of Commerce, Portland, Ore.
White, F. O., Constr. Co., concrete steel constr., 183 River, Boston, Mass.
White Fire Proof Const. Co., 286 5th av, New York.
White, Fred C., demijohns, 241 Water, New York.
White, Fred L., hose pipes, Reading, Mass.
White, Frank R., architect, 1314 F. N. W., Washington, D. C.
White Frost Refrigerator Co., Jackson, Mich.
White Fuel Oil Engng. Corp., burners, 742 E. 12th, New York.
White, G. Axe, Co., Honesdale, Pa.
White, G. W., & Son, masons' & bldrs.' matls., Watertown, N. Y.
White, Geo., models & experimental wk., 22 Morris, Jersey City, N. J.
White, Geo., Buggy Co., carriages, Rock Island, Ill.
White & Gloor, contractors, Monadnock Bldg., San Francisco, Cal.
White, Gratwick & Mitchell, lbr. mfrs.—packing, box mfrs., North Tonawanda, N. Y.
White, H. C., Co., stereoscopes, desk lights & children's vehicles, North Bennington, Vt.
White-Haines Optical Co., Columbus, O.
White, H. P., switchboards, 1625 Ramstead, Phila., Pa.
White Hall Pottery Works, White Hall, Ill.
White Hall Sewer Pipe & Stoneware Co., White Hall, Ill.
White & Hamilton Lbr. Co., Crawfordville, Ga.
White Hardware Co., Norfolk, Va., & Wilkes-Barre, Pa.
White Haven Quarry Co., stone prod., Scranton, Pa.
White Heat Products Co., grinding wheels, Frazer, Pa.
White Henry S. T., architect, 322 N. Architect, Baltimore, Md.
White, Herbert E., & Co., contractors, Attleboro, Mass.
White Hickory Wagon Mfg. Co., East Point, Ga.
White Hill Chain Wks., Fieldsboro, N. J.
White Hoist & Mach. Co., So. blvd & 143d, New York.
White Hugh E. Esq., architect, Fort Mills, S. C.
White, I. N., pea feeding machines, Mount Morris, N. Y.
White, Ira, & Son Co., machsts., Bloomfield, N. J.
White, J. B., architect, Ardmore, Okla.
White, J. B., & Son, architects, Clarion, Ia.
White, J. Cleveland & Co., canned goods, Salisbury, Md.
White, J. Frank, soap, Elmira, N. Y.
White, J. G., & Co., contractors, 43 Exchange pl, New York.
White, J. G., Engineering Corp., industrial buildings, power plants & public utilities, 43 Exchange pl, New York.
White, J. G., architect, 818 Conn. av, N. W., Washington, D. C.
White, J. H. Mfg. Co., brass fdrs., 111 N. 3rd, Brooklyn, N. Y.
White J. J. contrs., Bozeman, Mont.
White, J. J. Lumber Co., Columbia, Miss.
White, J. R., architect, Elderfield-Hartshorn bldg., Niagara Falls, New York.
White, J. S., Co., mchsts. & fndrs., Pawtucket, R. I.
White, J. T., & Son, lumber, Hazel, Ky.
White, Jas. F., & Co., burlap, 54 Worth, New York.
White, Jas. M., architect, Administration Bldg., Urbana, Ill.
White, Jas. N., & Sons, granite, W. Quincy, Quincy, Mass.
White, Jos. F., contractor, 1 Western av, Boston, Mass.
White & Kilroy, map & patent drawings, 1303 Monadnock bldg., Chicago, Ill.
White, L. C., Co., button back mfrs., Waterbury, Conn.
White, L. E., Lumber Co., Balboa Bldg., San Francisco, & Point Arena, Cal.
White, L., & I. J. Co., edge tools & machine knives, 120 Columbia, Buffalo, N. Y.
White, L. J., Lumber Co., Hutchinson, Kans.
White Lake Lumber Co., 122 S. Michigan av, Chicago, Ill., & Green Bay, Wis.
White Lily Mfg. Co., machsts. & fdrs., Davenport, Ia.
White Lumber Co., 1500 Webster av, Chicago, Ill., & Johnson City, Tenn.
White Mfg. Co., machsts., Bridgeport, Conn., & 556 W. 34th, New York.
White Marble Lime Co., masons' & bldrs.' matls., Manistique, Mich.
White Marble & Terrazzo Co., Lee, Mass.
White, Margaret, architect, 11 Highland, Cambridge, Mass.
White, Michael, contractor, Bayonne, N. J.
White Milling Co., buckwheat flour, Bloomsburg, Pa.
White Mop Wringer Co., Fultonville, N. Y.
White Mt. Freezer Co., mach. & fdrs., Nashua, N. H.
White, N. D., & Sons, denims, Winchendon Springs, Mass.
White, O. C., Co., electric & gas light fixtures, Worcester, Mass.
White Oak Hub Co., Vina, Ala.
White Oak Lbr. Co., Putnam, Va.
White Oak Mountain Mill Co., flour, Georgetown, Tenn.
White Paper Box Co., Holyoke, Mass.
White, Patrick, & Sons, mchsts. & fndrs., Perth Amboy, N. J.
White Paving Co., contrs., 17 N. La Salle, Chicago, Ill.
White, Perkins & White, cornices & skylights, Wellsville, O.
White, Pevey & Dexter Co., meat packers, Worcester, Mass.
White Pine Bureau, protective Ass'n, Merchants Bank Bldg., St. Paul, Minn.
White Pine Cedar Co., Blueslide, Wash.
White Plains Buggy Co., White Plains, N. C.
White Plains Constr. Co., White Plains, N. Y.
White Plains Gin & Fertilizer Co., White Plains, Ga.
White Provision Co., Atlanta, Ga
White-Quehl Mfg. Co., laundry marking rags & metal stamping, 429 E. Pearl, Cincinnati, O.
White Rabbit Dye Co., 4236 Eastern av., St. Louis, Mo.
White Racker Co., beer racking machines, 3916 W. Congress, Chicago, Ill.
White, Ralph E., architect, Penna. Bldg., Philadelphia, Pa.
White, R. B., Lbr. Co., Granville, O.
White, Richard P., lbr. mfrs., Albany, N. Y.
White River Chair Co., Brattleboro, Vt.
White River Lumber Co., Enumclaw, Wash.
White River Shingle Co., Sumner, Wash.
White, Robt. J., lbr., Winooski, Vt.
White, S. S., Dental Mfg. Co., battery chemicals & oxygen gas, 211 S. 12th, Philadelphia, Pa.
White S. S. Dental Mfg. Co., machsts. & brass fndrs., Prince Bay, N. Y.
White, Sam'l R., Mfg. Co., masons' & bldrs.' matls., Bloomington, Ill.
White, Scott A., tile, slate & slag roofing, Oliver Bldg., Pittsburgh, Pa.
White Sewing Machine Co., St. Clair & 79th, Cleveland, Ohio.
White Son Co., chamois importers, 540 Atlantic av, Boston, Mass.
White Springs Paper Co., paper & pulp mills, Nutley, N. J.
White Star Battery Co., 126 Chambers, New York.
White Star Canning Co., San Pedro, Cal.
White Star Coal Co., White Star, Ky.
White Star Co., mill & facty. supplies, Wichita, Kans.
White Star Lumber Co., 11 S. La Salle, Chicago, Ill., & Whites, Wash.
White Star Mills, flour, Staunton, Va.
White Star Refining Co., lubrg. oils, Avery & Grand Trunk Ry., Detroit, Mich.
White Steel Sanitary Furniture Co., Grand Rapids, Mich.
White-Stillman Fndry. Co., 1 Bark, Providence, R. I.
White-Stokes Co., elec. cooking app., 3615 Jasper pl, Chicago, Ill.
White Sulphur Lumber Co. Ltd., Jena, La.
White, T. C., Co., porcelain & strain insulators, 1122 Pine, St. Louis, Mo.
White, T. & S. C., Co., sulphur, 100 William, New York.
White Tar Aniline Corp., dyestuffs, 56 Vesey, New York.
White Tar Co., chemicals, 2 Cliff, New York.
White Tar Co. of N. J., chemical mfrs., 56 Vesey, New York.
White, Thos. E., architect, Lansing, Mich.
White, T. G., bag cleaning & baling machy. & wire, Cedar Rapids, Iowa.
White, Thos. H., & Co., azotine, bone dlrs., potash, etc., 111 S. Gay, Baltimore, Md.
White, Thos., Stove Co., Quincy, Ill.
White & Todd, masons' & bldrs.' matls., Aurora, Ill.
White Tool & Supply Co., machinery & mill supply dealers, 1313 W. 6th, Cleveland, O.
White Trunk & Bag Co., Nashville, Tenn.
White Valentine Co., brooms, Urbana, Ohio.
White W. B. & Son, eyeshades, Quincy, Mass.
White, W. H., Co., lumber, Boyne City, Mich.
White, W. H., Co., masons' & bldrs.' matls., Nyack, N. Y.
White, W. J., & Co., paint mfrs., color cards, 81 Amsterdam, Detroit, Mich.
White, W. P., architect, 309 15th av, N. Seattle, Wash.
White-Warner Co., machsts. & fndrs., Taunton, Mass.
White, Wm. A., architect, 1030 N. Gilmor, Baltimore, Md.
White, Wm. H., & McCulloch Lbr. Co., Fargo, N. D.
White, Wm. J., contractor, Lewiston, Pa.
White, Wm. P., Co., Northern Bk. bldg., Seattle, Wash.
White Williamson Co., cottonades, Graham, N. C.
White Wire Wks. Co., Rochester, N. Y.
White & Wright, contractors, Olympia, Wash.
White & Wyckoff Mfg. Co., tablets & pads, Holyoke, Mass.
Whiteacre, J. E. Mfg. Co., gas machines, Rockford, Ill.
Whitebreast Coal & Lumber Co., Lincoln, Nebr.
Whitecar, Jos., Iron Wks., machsts., 402 S. Water, Phila., Pa.
Whitecastle Lumber & Shingle Co. (Ltd.), Whitecastle, La.
Whitefield Mfg. Co., bobbins, Whitefield, N. H.
Whiteford, J. S., canned goods, Whiteford, Md.
Whitehall Cement Mfg. Co., Land Title Bldg., Philadelphia, Pa.
Whitehead, Alfred, contractor, 1624 W. Latimer, Phila., Pa.
Whitehead Bennett, contrs., Evansville, Ind.
Whitehead Bros. Co., fdy. sands, equipt. & supplies, etc., 537 W. 27th, New York.
Whitehead Bros. Rubber Co., hose & packing mfrs., Trenton, N. J.

itehead Co., concrete steel railroad ties, Farmington, Ill.
itehead, Ernest, contractor, 187 Commercial, Worcester, Mass.
itehead, Fred H., canned goods, Lincoln, Del.
itehead & Hoag Co., advertg. nov. & spec., badges, emblems etc., 272 Sussex av, Newark, N. J.
itehead, John W., architect, Owensboro, Ky.
itehead & Kales Iron Wks., Beecher & McR. R., Detroit, Mich.
itehead Metal Products Co., brass, bronze, copper & German silver sheet, wire, rods & tube, 67-73 Washington, N., Boston, Mass. *See adv index at end of book*
itehead, Oscar P., machst., Boonton, N. J.
itehead, Russell F., architect, 132 Madison av, New York.
itehead, Wm. G., Glass Co., 180 W. 4th, St. Paul, Minn.
itehill, W., architect, 32 Union Sq., New York.
itehouse-Crawford Co., lumber, Walla Walla, Wash.
itehouse & Dyer, cooperage stock, Columbia, Tenn.
itehouse & Fouilhoux, architects, Ry. Exch. Bldg., Portland, Ore.
itehouse, H. C., architect, Hutton bldg., Spokane, Wash.
itehouse, H. G., belt buckles, 44 Elm, Newark, N. J.
itehouse, L. A., architect, 100 Boylston, Boston, Mass.
itehouse-Le Compte Mfg. Co., hdwe. mfrs., 44 Elm, Newark, N. J.
itehouse Stone Co., Toledo, Ohio.
itehurst & Hodges, lumber, Gilroy, Cal.
itehurst, R. W., Mfg. Corp., Norfolk, Va.
iteing Mead Commercial Co., mill & factory supplies, 415 E. 9th, Los Angeles, Cal.
itelaw Bros. Chemical Co., 309 So. Wharf, St. Louis, Mo.
iteley, H. H., architect, 610 S. Brody, Los Angeles, Cal.
iteley Steel Co., machsts. & fndrs., Muncie, Ind.
iteley, W. H., architect, Everett, Wash.
itelock & Gorrill, contractors, Monadnock Bldg., San Francisco, Cal.
itelite Electric Co., incandescent lamps, 370 Broome, New York
itely Exerciser Co., 36 Vesey, New York.
itely Malleable Castings Co. See Muncie Malleable Castings Co. (successor).
itemack, J. Odell, contractor, 231 W. 18th, New York.
itemack, D. L., & Co., mill & factory supplies, Tecumseh, Mich.
iteman Mfg. Co., machsts., Canton, Ohio.
itener, J. Q. D., Land & Lumber Co., Marquand, Mo.
iterock Quarries, lime mfrs., Bellefonte, Pa.
ite's, S. R., Sons, agricultural implements, Norfolk, Va.
ite's, Sam'l G., Sons, machsts. & fndrs., Peterboro, N. H.
itesburg Canning Co., Whitesburg, Tenn.
iteside, Rush J., & Sons, contractors, 2115 Wallace, Philadelphia, Pa.
iteside Wheel Co., Indianapolis, Ind.
itestone Marble Co., Atlanta, Ga.
iteville Lbr. Co., Whiteville, N. C.
itewater Bridge Co., contrs., Whitewater, Wis.
itewater Canning Co., Whitewater, Wis.
itewater Constr. Co., Whitewater, Wis.
itewater Lumber Co., Whitewater, Wis., & Antangaville, Ala.
itewright Oil Mill Co., meal, Whitewright, Tex.
itfield Carbon Paper Wks., 33 Sullivan, New York.
itfield Hardware Co., Hawkinsville, Ga.
itfield, Henry D., architect, 160 5th av, New York.
itfield J. T., carriage mfrs., Kingston, N. C.
itford, E. K., architect & contractor, 1457 Castleton av, Port Richmond, N. Y.
itford, James, architect, S. I. Bldg., Tompkinsville, N. Y.
itin Machine Wks., machsts. & fndrs., Whitinsville, Mass.
iting, Cas. W., contractor, Northampton, Mass.
iting & Comstock, jigs & fixtures, Hartford, Conn.
ting & Cook, Inc., papeterie paper, Holyoke, Mass.
iting & Davis Co., silver novelties, Plainville, Mass.
iting, E. B., & A. C. Co., plastering fibre, Burlington, Vt.
iting, F. M., & Co., silver novelties, North Attleboro, Mass.
ting Foundry Equipment Co., 140 S. Dearborn, Chicago, Ill.
iting, Frank P., architect, 103 Park av, New York.
iting, Geo. A., Paper Co., Menasha, Wis.
iting, Geo., Co., machsts., 1719 Elston av, Chicago, Ill.
iting, Henry F., mill & facty. supplies, Lowell, Mass.
iting, John L.—Adams, J. J., Co., brush mfrs., 690 Harrison av, Boston, Mass.
iting, Junius F., architect, 250 Cedar, Springfield, Ohio.
iting Mfg. Co., table silverware, Bridgeport, Conn.
iting Milling Co., flour, Shepardstown, W. Va.
iting Paper Co., Holyoke, Mass.
iting-Patterson Co., envelopes, 11th & Race, Phila., Pa.
iting-Plover Paper Co., Stevens Point, Wis.
iting-Turner Construction Co., Stewart bldg., Baltimore, Md.
iting, W. H., & Co., whol. hdwe., 222 E. Pratt, Baltimore, Md
itinsville Spinning Ring Co., tex. machy., supplies, etc. Whitinsville, Mass.
itlam, J. C., Mfg. Co., cement, Wadsworth, Ohio.
itlock Coil Pipe Co., Hartford, Conn.
itlock Cordage Co., 46 South, New York.
itlock, J. W., & Co., musical instruments, Rising Sun, Ind.
itlock, M. B., & Co., contractors, Denton, Tex.
itlock Mfg. Co., belt dressing, 1506 W. 112th, Cleveland, O
Whitlock Printing Press Mfg. Co. See Premier & Potter Printing Press Co., Inc. (successors).
Whitlock, Walter H., architect, Security Mutual Bldg., Binghamton, N. Y.
Whitlow, M. G., Hardware Co., cornices & skylights, Bluefield, W. Va.
Whitman & Barnes Mfg. Co., twist drills, reamers, wrenches, drop forgings, Akron, Ohio. *See adv index at end of book*
Whitman Bros., sweaters, cardigans, etc., Little Falls, N. Y.
Whitman, C. T., Lbr. Co., Earl, Ark.
Whitman-Douglas Co., plbrs.' supplies, Charlotte, N. C.
Whitman, Jos. L., masons' & bldrs.' matls., Wapakoneta, Ohio.
Whitman Mach. Co., 178 Ohio, Buffalo, N. Y.
Whitman Metal Goods Co., basket hooks, flexible tubing screw mach. products, tool holders & washers, Whitman, Mass.
Whitman & Pratt Rendering Co., Lowell, Mass.
Whitman, R., steam htg. contrs., Charlotte, N. Y.
Whitman Studios, archl. modelers & sculptors, 900 Oxford, Phila., Pa.
Whitmarsh, I. F., Co., cornices & skylights, Taunton, Mass.
Whitmer-Jackson Sash & Door Co., 1996 W. 3d, Cleveland, Ohio.
Whitmer-Steele Co., lumber, Sunbury, Pa.
Whitmer, Wm., & Sons, lbr., Finance Bldg., Phila., Pa.
Whitmer, Wm., & Sons Co., masons' & bldrs.' matls. Sunbury, Pa.
Whitmeyer & Chaffee. See Whitmeyer, Mark H. (successor).
Whitmeyer Mark H., architect, 204 S. Glenwood av, Peoria, Ill.
Whitmore, C. B., Co., masons' & bldrs.' matls., Lockport, N. Y.
Whitmore, Chas. O., architect, 75 Pratt, Hartford, Conn.
Whitmore Mfg. Co., lubricating oils, Iron ct & Erie Ry., Cleveland, Ohio.
Whitmore Mfg. Co., paper & pulp mills—blanks, manifests & R. R. stationery, Holyoke, Mass.
Whitmore, O. S., & Co., sash, door & blind mfrs., 850 N. Spaulding av, Chicago, Ill.
Whitmore, Rauber & Vicinus, contractors—masons' & bldrs.' matls., 279 South av, Rochester, N. Y.
Whitmyer, H., corn brooms, Schenectady, N. Y.
Whitnall Co., springs, metal, stamping & screw mach. products, Plainville, Conn.
Whitner Two Rope Safety Co., fire escapes, 455 S. Clark, Chicago, Ill.
Whitney, Arthur C., contractor, 18 P. O. sq, Boston, Mass.
Whitney, Baxter D., & Son, machsts. & fndrs., Winchendon, Mass.
Whitney Bros. Co., contractors & dock bldrs., Superior, Wis.
Whitney, Chas. E., contractor, North Adams, Mass.
Whitney Co., contractors, 101 Park av, New York.
Whitney & Co., folding paper boxes, Leominster, Mass.
Whitney & Currier Co., organs, Toledo, Ohio.
Whitney, E. & Co., masons' & bldrs.' matls., Natick, Mass.
Whitney, Everett E., masons' & bldrs.' matls., Hingham, Mass.
Whitney, F. A., Carriage Co., Leominster, Mass.
Whitney, F. E., Co., machsts. & fndrs., organ motors, etc., 65 Sudbury, Boston, Mass.
Whitney & Ford, steam fitters' & plumbers' supplies—jobbers, 4315 Cottage Grove av, Chicago, Ill.
Whitney, Frederick, carriages, Ayer, Mass.
Whitney, Geo. A., Co., mill & facty. supplies Lewiston, Me.
Whitney Glass Wks., Glassboro, N. J.
Whitney Hardware Co., Albuquerque, N. M.
Whitney Harrison A., architect, Geur's bldg., Portland, Ore.
Whitney Harry E., contrs., Lockport, N. Y.
Whitney, H. W., excelsior, 305 S. La Salle, Chicago, Ill.
Whitney, Hy., & Co., whisk brooms, Amsterdam, N. Y.
Whitney Iron Works, 849 Tchoupitoulas, New Orleans, La.
Whitney, Jas. E., fishing poles, 88 Broad, Boston, Mass.
Whitney, L. J., architect, Springville, Utah.
Whitney Machine Co., tannery machy., Winchester, Mass.
Whitney Mfg. Co., chains, keys, hand milling machs., Hartford, Conn.
Whitney Mfg. Co., cotton sheetings, Whitney, S. C.
Whitney Metal Tool Co., punches, hand power shears, etc., Rockford, Ill.
Whitney, Reed Corp., toys, games & nov., Leominster, Mass.
Whitney & Sloo Co. (Ltd.), horse collars, 733 Tchouptioulas, New Orleans, La.
Whitney Supply Co., machy. dlrs., mill, facty. & steam fitters' supplies, 418 S. Peters, New Orleans, La.
Whitney W. A. Mfg. Co., metal punches, 715 Park av, Rockford, Ill.
Whitney, Wm. Channing, architect, Builders Exch., Minneapolis, Minn.
Whitney, Wm. P., architect, Peoples' Gas Bldg., Chicago, Ill
Whitney Window Corp., hardware mfrs., Minneapolis, Minn.
Whiton, Aug. S., architect, 101 Park av, New York.
Whiton, D. E., Mfg. Co., centering machines, chucks & gear cutting machines & steam turbine mfrs., Howard & Oak, New London, Conn. *See adv index aat end of book.*
Whiton Hardware Co., Seattle, Wash.
Whiton & Haynes Co., contractors, 200 Devonshire, Boston, Mass.
Whiton & McMahon, architects, 36 Pearl, Hartford, Conn.
Whitselle Brick & Lumber Co., Corsicana, Tex.
Whitson, C. P., canned goods, Swannanoa, N. C.
Whitson, Geo. A., contr., Rushville, Ill.
Whitson, Jerre, Hardware Co., Cookeville, Tenn.
Whitttaker Chain Tread Co., chains, 12 Pearl, Boston, Mass.
Whittaker, Clark & Daniels Co., Inc., clays, paints, terra-alba, etc., 250 Front, New York.

Whittaker & Diehl, contractors, Harrisburg, Pa.
Whittaker, E. B., contractor, Huntington, Pa.
Whittaker, F. A., machst., Middleport, N. Y.
Whittaker, John, & Co., contractors, 51 Church, Detroit, Mich.
Whitted, T. B., machst., Charlotte, N. C.
Whittelsey, F. H., Co., paper & pulps mill, Windsor Locks, Conn.
Whittelsey & Whittelsey, naval architects, 17 Battery pl, New York.
Whittemore Bros. Corp., shoe polishes, Cambridge, Mass.
Whittemore-Hamm Co., airplanes, 130 Brookside av., Boston, Mass.
Whittemore, W. L., & Son, paint brushes, Hartford, Conn.
Whittemore Woodbury Co., shoemakers' wax, Charlestown, Boston, Mass.
Whittemore-Wright Co., beeswax, Charlestown, Boston, Mass.
Whitten, Horace E., htg. contrs., 9 Federal Court, Boston, Mass.
Whitten, J. O., Co., glue mfrs., 68 Western av, Boston, Mass.
Whitten & Ludewick, machsts., Fillmore, Ill.
Whittenton Mfg. Co., cottonades, Taunton, Mass.
Whittet, Barrett & Curtis, mill & facty. supplies, 59 Main Buffalo, N. Y.
Whittet, Jas., bldg. contr., Lowell, Mass.
Whittier-Coburn Co., plate glass, Howard & Beale, San Francisco, Cal.
Whittier Mach., Co., 34 India, Boston, Mass.
Whittier Mills, sash cords, Chattahoochee, Ga.
Whittington-Vaughan Co., pipe vises, Easton, Pa.
Whittington, W. L., & Co., canned goods, Hopewell, Md.
Whittington, W. R., & Sons, canned goods, Marion Station, Md.
Whittle, Chas L., diamond saws, 50 Congress, Boston, Mass.
Whittle Trunk & Bag Co., Knoxville, Tenn.
Whittlesey, Chas. F., architect, Haight & Clayton, San Francisco, Cal.
Whittlesey's H. C. Sons, leather valves, cups, Corry, Pa.
Whittock, J. M., crushed stone & lime, Harrisburg, Pa.
Whitton, Frederick, contractor, 251 Kearny, San Francisco, Cal.
Whittredge, W. C., & Co., masons' & bldrs.' matls., Lynn, Mass.
Whitty, R. P., & Co., contractors, Union Trust Bldg., Washington, D. C.
Whitworth & Johnston, architects, 413 Engrs. bldg, Cleveland, O.
Whitworth, R. J., flour mills, Gleason, Tenn.
Wholey Boiler Wks., 95 Whipple, Providence, R. I.
Whomas, Walter H., architect, 106 S. 15th, Philadelphia, Pa.
Whooley, D. J., & Co., htg. contrs., Fitchburg, Mass.
Why Bros. & Co., knitted gloves & mittens, 5130 Wakefield, Phila., Pa.
Whyel Coke Co., bituminous, Uniontown, Pa.
Whyte, Oliver, & Co., wire cloth, 21 Cornhill, Boston, Mass.
Whyte, Wm. H., Constr. Co., Hackensack, N. J.
Whyte, Wm. R., contractor, 36 Oakland av, Jersey City, N. J.
Wiand, Wm. H., contractor, Pottstown, Pa.
Wiant & Barr Hardware Co., Parkersburg, W. Va.
Wiant, Herman L., contractor, Lancaster, Pa.
Wiard Mfg. Co., clothes washing machines, E. Avon, N. Y.
Wiard Plow Co., Batavia, N. Y.
Wiarda, Jno. C., & Co., chemicals & potash, 273 Greene, Brooklyn, N. Y.
Wibert's, A., Sons, Lumber & Shingle Co., Plaquemine, La.
Wible, R. B., & Son, brick, 3404 Old Yard rd, Phila., Pa.
Wiborg & Hanna Co., gum lbr. mfrs., Cleveland, Ohio.
Wiborg, Harry P., lbr., 2612 Un. Cent. Bldg., Cincinnati, O.
Wicaco Screw & Mach. Wks., 7th & Wood, Phila, Pa.
Wichert, E. M., Co., contractors, Hartje Bldg., Pittsburgh, Pa.
Wichita Automobile Co., Wichita, Kans.
Wichita Casket Co., Wichita, Kans.
Wichita Cotton Oil Co., meal, Wichita Falls, Tex.
Wichita Falls Brick & Tile Co., Wichita Falls, Tex.
Wichita Falls Broom Mfg. Co., Wichita Falls, Tex.
Wichita Falls Fdry. & Mach. Co., Wichita Falls, Tex.
Wichita Falls Motor Co., Wichita Falls, Tex.
Wichita Fdy. Co., Wichita, Kan.
Wichita Mattresses Co., Wichita, Kans.
Wichita Sash & Door Co., Wichita, Kans.
Wichita Supply Co., mill & facty. supplies, Wichita, Kan.
Wichita Tractor Co., Wichita, Kan.
Wichita Trunk Co., Wichita, Kans.
Wichman, H. G., architect, Babylon, N. Y.
Wick, Geo. W., architect, 50 Locust, Flushing, N. Y.
Wick Narrow Fabric Co., tapes, braids & cords, 931 Market, Philadelphia, Pa.
Wick, P. S., Co., pianos, N. St. Paul.
Wickerham, Adam G., architect, 517 McClure av, Pittsburgh, Pa. Saginaw, Mich.
Wickersham Shingle Co., lumber, Wickersham, Wash.
Wickes, A. F., architect, Gary, Ind.
Wickes Boiler Co., Saginaw, Mich.
Wickes Bros., mill & facty. supplies, lathes, etc., 512 N. Tilden, Saginaw, Mich.
Wickes, John C., Co., mill & facty. supplies, 189 Montague, Brooklyn, N. Y.
Wickes Machy. Co., rock drills, Jersey City, N. J.
Wickham Bros., contractors, Council Bluffs, Iowa.
Wickham Cut Glass Co., Scranton, Pa.
Wickham, E. A., & Co., contractors, Council Bluffs, Iowa.
Wickham Piano Plate Co., Springfield, Ohio.
Wicks & Compton, soap, Woodstock, Ill.



Wicks & Hopkins, architect, 110 Franklin, Buffalo, N. Y.
Wicks, J. E., architect, Astoria, Ore.
Wicks, M. O. Mfg. Co., plasterers' steel corner beads, Glen Cove, N. Y.
Wicks Pipe Organ Co., Highland, Ill.
Wickwire Bros., nails, wire cloth, etc., Cortland, N. Y.
Wickwire Spencer Steel Corp., wire cloth, wire rope & wire specialties, Worcester, Mass. *See adv. index at end of book*
Wickwire Steel Co., see Wickwire Spencer Steel Corp. (successors).
Wicomico Lbr. Co., Williamston, N. C.
Widdall, H. S., contractor, Avoca, Pa.
Widdall, J. A., contractor, Avoca, Pa.
Widder, F. E., Co., gray iron castings, Canton, O.
Widdicomb Reed Co., belt dressings, Vestaburg, Mich.
Widdowson, J. M., masons' & bldrs.' matls., Carrolton, Ill.
Widman, J. C., Bookcase Co., 1143-14th, Detroit, Mich.
Widmann & Walsh, brewery architects, Wainwright Bldg., St. Louis, Mo.
Widmark, H. P., & Son, sash, door & blind, Ludington, Mich.
Widmer Bros., Machsts., Paterson, N. J.
Wiebel, L. H., insulator pins, Hagerstown, Md.
Wieben, John, Co., washers, oil filters, etc., 2051 Lex. av, New York.
Wiebmer, Anton, machsts., Quincy, Ill.
Wieboldt Construction Co., 1534 W. Van Buren, Chicago, Ill.
Wieboldt, R. C., contr., W. 44th & S. Bishop, Chicago, Ill.
Wiebusch & Hilger, Ltd., whol. hdwe., 106 Lafayette, New York.
Wiedeke, Gustav, & Co., boiler makers' tools, Dayton, Ohio.
Wiedemann, H. E., chemists, Chemical Bldg., St. Louis, Mo.
Wiedenbeck-Dobelin Co., mill & facty. supplies, Madison, Wis.
Wiedenman, W. C., cornices, 1820 Harrison, Kansas City, Mo.
Wieder, L. A., & Sons, contractors, Allentown, Pa.
Wiederhold Mantle & Burner Co., 131 Winfield av, Jersey City, N. J.
Wiederholdt Const. Co., contrs., Old Bank of Commerce Bldg., St. Louis, Mo.
Wiedmaier, F. W., architect, Campau Bldg., Detroit, Mich.
Wiedmann-St. Louis Cigar Box Co., 1117 N. B'way, St. Louis, Mo.
Wiegert Construction Co., Bushnell, Ill.
Wiegner, H. J., architect, Bethlehem, Pa.
Wiegner-King Co., hair mattresses, 422 Marshall, Phila., Pa.
Wiegund, W., architect, 45 W. 34th, New York.
Wiehle Bros. Soap Wks., Ironton, Ohio.
Wieman, H., & Sons, carriages, Lexington, Ky.
Wieneke-Hoerr Co., canned goods, Dubuque, Iowa.
Wiener- Barnet Co., brass fndrs., 328 Adams, Newark, N. J.
Wiese Elec'l Appliance Co., humidifying app., 3217 Lisbon av, Milwaukee, Wis.
Wiese, J. H., contractor, City Nat. Bk. Bldg., Omaha, Neb
Wiest, Geo., buckwheat flour, Fort Atkinson, Ia.
Wiest Mach. Co., York, Pa.
Wiggenhauser, Wm., contr., Beecher, Ill.
Wiggers & Froelick, jwlry. cases, 8 Dutch, New York.
Wiggin, Burton H., Co., bldg. contrs., Lowell, Mass.
Wiggin Crushed Stone & Sand Co., Germantown, O.
Wiggin, H. D., lumber, Fiske Bldg., Boston, Mass.
Wiggin, H. H. & Co., lbr., 50 Terminal, Boston, Mass.
Wiggins, E. W., masons' & bldrs.' matls., Shelby, O.
Wiggins, Fred B., packing box mfrs., Cleveland, Ohio.
Wiggins, H. B., Sons Co., wall coverings, Bloomfield, N. J.
Wiggins, Jno. B., Co., loose leaf devices, 1104 S. Wabash av, Chicago, Ill.
Wiggins, John R., & Co., contractors, 1215 Filbert, Phila., Pa.
Wiggins, Paul N., architect, Charleston, W. Va.
Wigginton, Jas. D., masons' & bldrs.' matls., Evanston, Ill.
Wigham & Blackledge, architects, 422 K. of P., Indianapolis, Ind.
Wight & Lipe, see Wight Machy. Wks. (successor).
Wightman, Lucius I., advtg. counsellor, 50 Union sq, New York.
Wight Machy. Wks., San Jose, Cal.
Wight, Oliver B., Munsey Bldg., Baltimore, Md.
Wight, W. N., & Co., concrete reinf. mtls., 5 Beekman, New York.
Wight & Wight, architects, 1st Nat'l Bk. Bldg., Kansas City, Mo.
Wight, Wm. E., contractor, 78 Bowdoin, Boston, Mass.
Wightman, Andrew, church spires repaired, Peekskill, N. Y.
Wigley, H. C., & Bro., canned goods, Millersville, Md.
Wigman Curtis Co., plumbers' supplies, jobbers, Sioux City, Ia.
Wigmore, John, & Sons Co., mill & factory supplies, N. E. cor. 4th & San Pedro, Los Angeles, Cal.
Wignall, C. L., architect, Port Arthur, Tex.
Wike & Sundiro, contrs., 211 State, Bridgeport, Conn.
Wikstrom, W., contrs., Montclair, N. J.
Wilbert, Jno., oil well supplies, Petroleum Center, Pa.
Wilbert's, A., Sons Lumber & Shingle Co., Plaquemine, La.
Wilborn, Jas., Jr., sash, door & blind mfrs., 2700 W. Superior, Chicago, Ill.
Wilbraham-Green Blower Co., Pottstown, Pa.
Wilbur Co., masons' & bldrs.' matls., Poughkeepsie, N. Y.
Wilbur Corp., tool chests, New Haven, Conn.
Wilbur, Edwin, architect, 507 5th av, New York.
Wilbur, F. C., Lumber Co., Grayslake, Ill.
Wilbur, J., Co., clays, paint grinders, etc., Providence, R. I.
Wilbur Job Co., paint mfrs., Ft. E. Tioga, Phila., Pa.
Wilbur Lumber Co., Pabst Bldg., Milwaukee, Ws.
Wilburine Oil Wks., 11 B'way, New York.
Wilburn, Miss L. R., architect, Peters Bldg., Atlanta, Ga.
Wilby, Carlton, naval architect, 68 Peterboro, Detroit, Mich.

lby, Wm., Estate, leather belting, 68 Washington, Lowell, Mass.
lce, John, stone, 223 16th Milwaukee, Wis.
lco, T., Co., flooring, 2209 Throop, Chicago, Ill.
lcox, Asa C., mason, Stonington, Conn.
lckes, J., Co., steel, 135 William, New York.
lckes, Martin, Wilckes Co., coal tar, oils, lamp black, 135 William, New York.
lcox, Bennett, Carburetor Co., 1030 Marshall, Minneapolis, Minn.
lcox Bros. Lbr. Co., 930 Marshall, N. E., Minneapolis, Minn.
lcox Bros. Mfg. Co., wood handles, Lebanon, Ind.
lcox, C. S., contractor, Lansing, Mich.
lcox, Crittenden & Co., Inc., marine & awning hardware & grey & malleable iron & brass castings, Middletown, Conn. *See adv. index at end of book.*
lcox, D. T., cornices & skylights, Fall River, Mass.
lcox, Donahue, & Co., machsts., Westerly, R. I.
lcox, E. A., Mfg. Co., gaskets, packing mfrs., 6330 Stony Island av, Chicago, Ill.
lcox, F. Nelson, architect, Paul-Gale-Greenwood Bldg., Norfolk, Va.
lcox Fertilizer Co., Mystic, Conn.
lcox & Gibbs Sewing Mach. Co., 658 B'way, New York.
lcox Glass Co., Kane, Pa.
lcox Hdwe. Co., mill & facty. supplies, Adrian, Mich.
lcox, H. E., Motor Co., 1030 N. E. Marshall, Minneapolis, Minn.
lcox Hardware & Iron Co., 406 N. Gay, Baltimore, Md.
lcox & Harvey, cattle markers, ear tags, 564-72 W. Randolph, Chicago, Ill.
lcox, J. B. & Co., lbr., Burdett, Miss.
lcox, Jos., horn combs, Athol, Mass.
lcox, Louis N., & Son, whol. hdwe., 414 N. Gay, Baltimore, Md.
lcox, M. I., Co., mill & factory supplies, 216 Water, Toledo, Ohio.
lcox Mfg. Co., hdwe. mfrs., 507 Arch, Philadelphia, Penn.
lcox Mfg. Co., machsts., 4824 W. Lake, Chicago, Ill.
lcox Motor & Mfg. Co., gas engines, jigs & fixtures, Saginaw, Mich.
lcox Shingle Co., lumber, Aberdeen, Wash.
lcox Silver Plate Co., Meriden, Conn.
lcox Stanley, masons' & bldrs.' matls., Jackson, Mich.
lcox, Tom, Plumbing & Supply Co., heating contrs., Chattanooga, Tenn.
lcox, W. R. B., architect, Boston blk., Seattle, Wash.
lcox, W. W. Co., badges, cylinders, dies, 1735 Armitage av, Chicago, Ill.
lcox & White Co., organs, pianos, Meriden, Conn.
lcoxen, C. F., cornices, Huntington, W. Va.
lcoxon & Brown, sash, door & blind, Frederick, Md.
ld Bros. Hardware Co., Evergreen, Ala.
ld, Geo., architect, Johnstown, Pa.
ld, Jos., & Co., rugs & linoleums, 366 5th av, New York.
d Rice Lbr. Co., Ada, Minn.
ldberg Bros., smelters & refiners, Pacific bldg., San Francisco, Cal.
de, Samuel H., architect, Bay State Bldg., Lawrence, Mass.
de & Schmidt, stone, 21st W. of Marshall blvd, Chicago, Ill.
de, Wm., architect, 14 Montgomery, San Francisco, Cal.
de, Wm., fertilizer mfrs., Vineland, N. J.
dell Lumber Co., Elkins, W. Va.
der, Chas. W., machsts., Fitchburg, Mass.
der & Co., boot counters, 228 W. Lake, Chicago, Ill.
der, E. D., & Co., lbr., Brazil, Ind.
der, H. H., & Co., cornices, Lowell, Mass.
der, J. E., lumber, Auburn, Wash.
der Mfg. Co., asbestos gaskets, toys, games & nov., 17th & Clinton, St. Louis, Mo.
der Metal Coating & Mfg. Co., alu. coated nails, steel sheets & wire, Connellsville, Pa.
der-Pike Thermometer Co., Troy, N. Y.
der, S. A., & Son, sash, door & blind, Albion, Mich.
der Sidney & Co., mchsts. & fdrs., Holliston, Mass.
der-Strong Implement Co., Monroe, Mich.
der & White, architects, 50 Church, New York.
dermith Bending Co., neck yokes, rims, wagon spokes, etc., Columbus, Ohio.
derness Lbr. Co., Charleston, W. Va.
deson, L., & Son, contractors, Mansfield, Ohio.
dhagen, Henry, architect, Ashland, Wis.
dhagen, Herman, architect, Appleton, Wis.
de, John, Evaporated Milk Co., canned, Columbus, Ohio.
dman, Aug., contractor, Harrisburg, Pa.
dman Boiler Wks., 3026 Carroll av, Chicago, Ill.
dman Mfg. Co., cutting machs. for fabrics, Norristown, Pa.
lman-Treherne Co., druggists bottles, corks & glass stoppers, 85 Franklin, New York.
dwood Builders' Co., Fort Wayne, Ind.
e Electric Furnace Co., Liberty, 5th & Penn av (Jenkins Arcade), Pittsburgh, Pa.
eman & Helbling, contractors, Ironton, Ohio.
es, A. M., & W. H., Co., mchsts. & fndrs., Grassy Point, N. Y.
es, H. A., contractor, Youngstown, Ohio.
ey, C. A., Co., paint & Varnish mfrs., Hancock, Long Island City, N. Y.

Wiley & Co., chemists, 7 S. Gay, Baltimore, Md.
Wiley, Edw. T., architects, 75 Platt, Hartford, Conn.
Wiley, E. W., Jr., masons' & bldrs.' matls., Lecompte, La.
Wiley Fertilizer Co., Troy, Ala.
Wiley, I. H., Waxene Co., floor polish, 68 Dover, W. Boston, Mass.
Wiley Milling Co., flour, Fredonia, Kan.
Wiley, R. B., contr., Sparta, Ga.
Wiley & Russell Mfg. Co. (See Greenfield Tap & Die Corporation). Greenfield, Mass.
Wilfong, Millard F., Iron Wks. Co., annealing boxes & galvanizing kettles, 52d & Grays av, Philadelphia, Pa.
Wilgus, Jno. M., architect, 102 E. State, Ithaca, N. Y.
Wilgus Mfg. Co., pumping systems, 229 Boyd, Los Angeles, Cal.
Wilhelm, A., Co., paint & varnish mfrs., Reading, Pa.
Wilhelm, A. H., contractor, 180 Jessie, San Francisco, Cal.
Wilhelm, H., elec. supplies, 70 Frost, Brooklyn, N. Y.
Wilhelm, Henry, glue, 136 10th, Pittsburgh, Pa.
Wilhelm, J. Frank, cornices, 1050 Myrtle av, Baltimore, Md.
Wilhelm, Karl E., architect, Massillon, Ohio.
Wilhelmi, Otto J., architect, 406 Market, St. Louis, Mo.
Wilhoit Refining Co., petroleum & its products, Springfield, Mo.
Wilk & Co., contrs., Rushville, Ind.
Wilkens, Geo. H., hdwe. specialties, 180 N. Market, Chicago, Ill.
Wilkens, Wm., Co., brush fibre, Frederick av & Wilkens, Baltimore, Md.
Wilker, Edward F., architect, 1619 Locust, Toledo, Ohio.
Wilkes-Barre Iron Mfg. Co., machsts. & fndrs., mine car wheels, etc., Wilkes-Barre, Pa.
Wilkes-Barre Masons' Supply Co., Wilkes-Barre, Pa.
Wilkes-Barre Paint Co., Wilkes-Barre, Pa.
Wilkes-Casy Engineering & Contracting Co., New Rochelle, N. Y.
Wilkesboro Mfg. Co., sashes, doors & blinds, N. Wilkesboro, N. C.
Wilkey Art Co., advtg. novelties, 3115 Sacramento blvd, Chicago, Ill.
Wilkey & Baker, contrs., Uniontown, Pa.
Wilkin-Challoner Co., saw mill machy., Oshkosh, Wis.
Wilkins, G. H., cutters, 57 W. Lake, Chicago, Ill.
Wilkins, Geo. Lester, window shade adjustr., 180 N. Market, Chicago, Ill.
Wilkins, J. D., contrs. supplies, Greensboro, N. C.
Wilkins-Leonard Hardware Co., Youngstown, Ohio.
Wilkins Mfg. Co., textile machy. supplies, etc., Woonsocket, R. I.
Wilkins Trunk Mfg. Co., Dallas, Tex.
Wilkins, W. P. Co., mill & facty supplies, Newport News, Va.
Wilkinson, A. J., & Co., mill & facty. supplies, wholesale hdwe., 184 Washington, Boston, Mass.
Wilkinson, A. L., & Co., masons' & bldrs.' matls., Bement, Ill.
Wilkinson, Allen A., Lbr. Co., Indianapolis, Ind.
Wilkinson & Crane, architects, Reliance bldg, Kansas City, Mo.
Wilkinson, E. D., & Co., mill & facty. supplies, 48 Exchange pl, Providence, R. I.
Wilkinson, G. A., canned goods, Nottingham, Pa.
Wilkinson, J. C., machst. & fndr., Shawnee, Okla.
Wilkinson, J. Lee, architect, 9 Ten Broeck, Albany, N. Y.
Wilkinson, Jos. R., contractor, 3326 N, N. W., Washington, D. C.
Wilkinson Machine Co., Savannah, Ga.
Wilkinson Mfg. Co., ladders, Binghamton, N. Y.
Wilkinson, Pomeroy, masons' & bldrs.' matls., Peru, Ind.
Wilkinson, Seth, mach. wipers, Central Falls, R. I.
Wilkinson, W. H., Co., oil lubricators, etc., West Medway, Mass.
Wilkinsville Cotton Oil Co., meal, Wilkinsville, S. C.
Wilkoff Co., scrap iron, Youngstown, Ohio.
Wilks, S., Mfg. Co., air receivers & heaters, 3517 Shields av, Chicago, Ill.
Will & Baumer Co., candles, Syracuse, N. Y.
Will-Burt Co., vises, Orrville, Ohio.
Will Corp., photographic chemicals, Rochester, N. Y.
Will & Kerr, masons' & bldrs.' matls., Shelby, Ohio.
Will & Sixbury, canned goods, Cleveland, N. Y.
Willamette Box & Lbr. Co., Luinton, Portland, Ore.
Willamette Casket Co., Tacoma, Wash.
Williamson Glue & Gum Wks., 220 W. Huron, Chicago, Ill.
Willapa Harbor Fish Co., canned goods, So. Bend, Wash.
Willapa Harbor Sand & Gravel Co., Raymond, Wash.
Willapa Logging & Timber Co., lumber, South Bend, Wash.
Willapa Lumber Co., Raymond, Wash.
Willard, Boggs & Co., contractors, Spartanburg, S. C.
Willard-Brent Co., contractors, 412 W. 6th, Los Angeles, Cal.
Willard, C. T., Co., brick, 110 E. 23d, New York.
Willard Canning Co., Ogden, Utah.
Willard, Chas. H., lbr., Townshend, Vt.
Willard, Chas P., & Co., machsts. & fndrs., Winthrop Harbor, Ill.
Willard, Daniel W., architect, Redlands, Cal.
Willard Middletown Mach. Co., Covington, Ky.
Willard Mfg. Co., canvas aprons, etc., St. Albans, Vt.
Willard Pen Co., 70 5th av, New York.
Willard Sons & Bell Co., see Pollak Steel Co. (successors).
Willard Storage Battery Co., E. 131st & St. Clair, Cleveland, O.
Willard, W. H., & Co., mill & facty. supplies, Worcester, Mass.
Willard, Wm. G., machsts & fndrs. & steel range mfrs., 316 Chestnut, St. Louis, Mo.
Willaredt, Geo., architect, 411 23d, West New York, N. J.
Willatzen, Andrew C. P., architect, Boston Blk., Seattle, Wash.
Willbarger, J. L., masons' & bldrs.' matls., Bastrop, Tex.
Willbas, Gustaf, stone cutters' tools, Quincy, Mass.

Willcomb, Geo., Co., tex. machy. (hair pickers), 60 Chardon, Boston, Mass.
Willcox Engng. Co., 1525 Holland av, Saginaw, Mich.
Willcox, Ives & Co., fertilizer mfrs., Savannah, Ga.
Willcox, W. R. B., architect, Boston blk., Seattle, Wash.
Willcutt, G. L., wood handles, Plainfield, Mass.
Willcutt, L. D., & Sons Co., contractors, 146 Sumner, Boston, Mass.
Willemin Mfg. Co. (Inc.), special machinery & tools, 181 Eddy, Providence, R. I.
Willenbockel, L. A., architect, 509 Bay, Chippewa Falls, Wis.
Willer Mfg. Co., weather strips & screens, 401 4th, Milwaukee, Wis.
Willets Co., glass house clay supplies, 10th & Bradford, Pitts-
Willett & Brown, brick, Bristol, Wis.
Willett & Burr, contractors, Sheldon Bldg., San Francisco, Cal.
Willett & Camp Co., contractors, Spokane, Wash.
Willey, A. L., contractor, Binghamton, N. Y.
Willey, C. L., lumber mfrs., 2558 S. Robey, Chicago, Ill.
Willey Co., laundry machy., 1222 Race, Philadelphia, Pa.
Willey, O. H., mfrs. wood handles, Bryan, O.
Willford Mfg. Co., mill & facty. supplies, 303 S. 3d, Minneapolis, Minn.
Willhitte Lumber Co., Wright Bldg., St. Louis, Mo.
William, Charles A., architect, Jacobus, Pa.
William, Fred H., architect, Coeur d'Alene, Idaho.
William, Geo., architect, Coeur d'Alene, Idaho.
William, Harry, & Son, carriages, Ogontz, Pa.
William & Moore, soap, Stockton, Cal.
Williamette Iron & Steel Wks., boilers, engines & tanks, Portland, Ore.
Williamette Valley Lbr. Co., Dallas, Ore.
Williams, A. C., Co., hardware mfrs., Ravenna, Ohio.
Williams, A. G., & Co., sashes, doors & blinds, Taunton, Mass.
Williams, A. S., & Co., masons' & bldrs.' matls., Bay City, Mich
Williams, Alex. O., lbr., 6th & Berks, Philadelphia, Pa.
Williams, Arthur A., Shoe Co., Holliston, Mass.
Williams, Arthur H., & Son, contractors, 419 Locust, Phila., Pa
Williams, B. A. & G. N., stone, Walnut av & 133d, New York.
Williams, B. S., & Son, canned goods, Buchanan, Va.
Williams-Bowman Rubber Co., packing mfrs., 1947 S. 54th av, Chicago, Ill.
Williams Bridge Co., contrs., Syracuse, N. Y.
Williams & Bridges Co., packing mfrs., Worcester, Mass.
Williams Bros., architects, Kresge Bldg., Detroit, Mich.
Williams Bros., Constr. Co., Roanoke, Va.
Williams Bros., flour mills, Limestone, Tenn.
Williams Bros., lbr., Guy Mills, Pa.
Williams Bros. Co., canned goods, Williams sq., Detroit, Mich.
Williams Bros, Co., flour mill, Kent, Ohio.
Williams Bros. Co., lbr., Cadillac, Mich.
Williams Bros. Lbr. Co., Oberlin, La.
Williams Bros. Mfg. Co., cutlery mfrs., Glastonbury, Conn.
Williams Bros., well drilling machy., Ithaca, N. Y.
Williams, Brown & Earle, architects' & engrs'. reading glasses, instruments, 918 Chestnut, Philadelphia, Pa.
Williams, C. A., lumber, Warwick, Mass.
Williams, C. E., Brick Co., San Antonio, Tex.
Williams, C. K., & Co., dry colors & fillers, Easton, Pa. *See adv. index at end of book.*
Williams, C. M., architect, Grand av., Temple Bldg., Kansas City, Mo.
Williams, C. M., contractor, Norwich, Conn.
Williams, C. Milo, architect, Hennen Bldg., New Orleans, La.
Williams, Carl H., architect, Land Title Bldg., Philadelphia, Pa.
Williams, Chas., & Co., stone producers, Bigelow, N. Y.
Williams, Chas. E., contractor, St. Joseph, Mich.
Williams, Chas. F., Stamp Co., stencils, 38 Chardon, Boston, Mass.
Williams, C. M., contr., Sioux City, Ia.
Williams Cliff Machine Co., Meridian, Miss.
Williams & Co., Inc., metals & nickel, 901-907 Pennsylvania av, N. S., Pittsburg, Pa. *See adv index at end of book.*
Williams Const. & Repairing Co., freight elev., 308 Clark, St. Louis, Mo.
Williams Creek Shingle Co., Elma, Wash.
Williams & Cullinan, htg. contrs., Yonkers, N. Y.
Williams, D. D., architect, 390 George, New Brunswick, N. J.
Williams, D. L., architect, Chamber of Com. Bldg., Portland, Ore.
Williams, D. T., Valve Co., Cincinnati, Ohio.
Williams, David J., stone, Perth Amboy, N. J.
Williams Drop Forging Co., Scranton, Pa.
Williams, E. A., & Son, bell fndrs., castings, etc., 109 Plymouth, Jersey City, N. J.
Williams, E. H., Lumber Co., Fort Dodge, Iowa.
Williams, E. I., & Co., flour mills, Sanders, Ky.
Williams, E. L., architect, Mount Sterling, Ky.
Williams, E. Q., induction & spark coils, Syracuse, N. Y.
Williams, E. R., architect, Hoge bldg, Seattle, Wash.
Williams, E. S., contractor, Scranton, Pa.
Williams, F. B., Co., hdwe. mfrs., 507 E. 39th, Chicago, Ill.
Williams, F. B., Cypress Co., Ltd., Patterson, La.
Williams, Finney & Belke, contrs., Scranton, Pa.
Williams Foundry Co., Vineland, N. J.
Williams, Foundry & Machine Co. (The), Akron, Ohio. *See adv. index at end of book.*



Williams Fndry. & Mach. Wks., Cumberland, Md.
Williams, Frank, contractor, 701 S. 58th, Philadelphia, Pa.
Williams, Frank, C., flour mills, Easton, Pa.
Williams, Franklin, Inc., valves, exhaust, heads, swing joints, 37 Cortlandt, New York.
Williams, Franklin D., contractor, Taunton, Mass.
Williams & Freedman, scrap iron, Harrisburg, Pa.
Williams, G., architect, Franklin, Tenn.
Williams, G. H., Co., excavating buckets, Erie, Pa.
Williams, G. M., Co., mill & facty. supplies, whol. hdwe., New London, Conn.
Williams, G. N., canned goods, Cutler, Me.
Williams Gauge Co., 543 4th av, Pittsburgh, Pa.
Williams, Geo. A., & Son, wire cloth, steel wire mats, bank railings, 85 Fulton, New York.
Williams, Geo. C., architect, Wytheville, Va.
Williams Grove Brick Co., 112 S. 16th, Philadelphia, Pa.
Williams, Guy V. Co., Inc., incandescent lamp coloring, 686 Eleventh av, New York.
Williams, H. A. (Est. of), wood handles, Hancock, N. Y.
Williams, H. H., contractor, Burlington, N. J.
Williams, H. H., & Co., masons' & bldrs.' matls., Wauseon, Ohio.
Williams, H. R., lbr. mfrs., Aloha, La.
Williams, H. R., Mill Supply Co., 103 Mass Bldg., Kansas City, Mo.
Williams Hardware Co., 100 2d av, Minneapolis, Minn., & Clarksburg, W. Va.
Williams Hdwe. Co., whol. hdwe., masons' & bldrs.' & steam fitters' supplies, Streator, Ill. *See adv. index at end of book*
Williams, Henry M., machsts. & fndrs., Vincennes, Ind.
Williams, Homer, lumber, Thomasville, Ga.
Williams, Howard S., contr., Hearst bldg., San Francisco, Cal.
Williams & Hunting Co., lbr. mfrs. & store fixtures, Cedar Rapids, Iowa.
Williams & Hurd, wood handles & brush blocks, West Arlington, Vt.
Williams, I. B., & Sons, packing mfrs., belts, straps, etc., Dover, N. H.
Williams, Ichabod T. & Sons, veneer mfrs., 73 E. 9th, Chicago, Ill.
Williams, I. T. & Sons, lbr., 11th av. & 25th, New York.
Williams, J. A. & Co., whol. hdwe., 115 7th av, Pittsburgh, Pa.
Williams, J. B., Co., soap, 31 W. 4th, New York.
Williams, J. C., architect, New York Life Bldg., Kansas City, Mo.
Williams, J. C., Jr., architect, Moore Bldg., San Antonio, Tex.
Williams, J. G., Constr. Co., 519 California, San Francisco, Cal.
Williams, J. H., & Co., contractors, Newport News, Va.
Williams, J. H., & Co., drop forgings & drop-forged tools—31 Richards, Brooklyn, N. Y. *See adv. index at end of book.*
Williams, J. H., Co., mill & facty. supplies, Millbury, Mass.
Williams, J. H., & Co., lbr., Commercial Trust Bldg., Phila., Pa.
Williams, J. L. & Sons, lbr., Bearden, Ark.
Wiliams, J. R., lbr., Citra, Fla.
Williams, J. V., brick, Uniontown, Pa.
Williams, John, architect, 97 Merrimack, New Bedford, Mass.
Williams, Jno., Inc., brass & bronze fndrs., 556 W. 27th, New York.
Williams, John D., & Co., machy. dlrs., 2 Rector, New York.
Williams, John P., flour mills, Harrodsburg, Ky.
Williams & Johnson, architects, Ogdensburg, N. Y.
Williams, Jos. Co., soap, insecticides, etc., Sharpsburg, Pa.
Williams, L. E., & Co., lbr. sash, door & blind mfrs., Salisbury, Md.
Williams & Little Co., contractors, 2046 E. 88th, Cleveland, O.
Williams, Luke, bldg. contr., Auburn, N. Y.
Williams Lumber Co., sashes, doors & blinds, Fayetteville, Tenn. & Lawrenceville, Ga.
Williams & McIntyre Co., brick, Marysville, Ohio.
Williams, M. A., htg. contrs., Norfolk, Va.
Williams & Makuken, architects, 8 W. 33rd, New York.
Williams Mfg. Co., agricultural implements, Macon, Ga.
Williams Mfg. Co., baskets, Northampton, Mass.
Williams Mfg. Co., cements, Camden, N. J.
Williams Mfg. Co., metal polish, Westerville, Ohio.
Williams Mfg. Co. (Ltd.), machsts., Plattsburg, N. Y.
Williams Map & Guide Co., 325 Lafayette, New York.
Williams, Miles & Bro., canned goods, Fruit Dale, Ind.
Williams, N. A., Co., masons' & bldrs.' matls., 133 W. Washington, Chicago, Ill.
Williams, N. W., contr., Pensacola, Fla.
Williams, O. B., Co., sash, door & blind mfrs., Seattle, Wash.
Williams, O. G., Co., advtg. novelties, 64 W. Randolph, Chicago, Ill.
Williams Oven Mfg. Co., 150 Nassau, New York.
Williams Patent Crusher & Pulverizer Co., 813 Montgomery, St. Louis, Mo.
Williams Piano & Organ Co., 14 W. Washington, Chicago, Ill.
Williams Pivot Sash Co., 1105 Bolivar, Cleveland, Ohio.
Williams & Poore, cornices, tea urns, 22 Medford, Boston, Mass.
Williams, R. A. & G. N., stone prod., Mill & Orchard, Astoria, L. I., N. Y.
Williams, R. B., flour mills, Andersonville, Tenn.
Williams, R. J., Slate Co., roofing slate mfrs., Granville, N. Y.
Williams, Richard, architect, 185 Church, New Haven, Conn.
Williams, Robt. E., contractor, Iroquois Bldg., Buffalo, N. Y.
Williams, Robert E., architect, 26 S. 3d, Harrisburg, Pa.
Williams, Roger, htg. contr., 120 W. 32d, New York.
Williams, S. A., Lumber Co., sashes, doors & blinds, Atlanta, Ga.

iams, S. C., & Co., cooperage stock, East Liverpool, Ohio.
iams, S. G., & Co., contractors, Norfolk, Va.
iams, S. W., fndrs., Elkhart, Ind.
iams & Scott, flour mills, Etoile, Ky.
ams Sealing Corp., bottle caps, Decatur, Ill.
iams & Simpson, flour mills, Aspen Hill, Tenn.
iams Slate Co., Mutual Bldg., Richmond, Va.
iams Soap Co., 519 W. McCarthy, Indianapolis, Ind.
iams Steel Wheel & Rim Co., Utica, N. Y.
iams Stove Lining Co., Taunton, Mass.
iams T. E., Lumber & Mfg. Co., Springfield, Mo.
iams, T. H., architect, 207 Bleecker, Utica, N. Y.
iams Test Clamp Co., 1051 Power av, Cleveland, O.
iams, Thos. F., htg. contrs., Bound Brook, N. J.
iams Tool Co., Erie, Pa.
iams & Van Roden, lbr. mfrs., 1345 Arch, Philadelphia, Pa.
iams, W. A., contrs., Chicago Junction, Ohio.
iams, W. B., contractor, St. Petersburg, Fla.
iams, W., & Co., dumb waiters, 312 E. 95th, New York.
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liams, W. E., Co., lbr. mfrs., Traverse City, Mich.
liams, W. H., & Co., masons' & bldrs.' matls., 100 Penn, Pittsburgh, Pa.
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liams, W. Ward, architect, Magee Bldg., Pittsburgh, Pa.
liams, W. Z., Co., contractors, Macon, Ga.
liams Wagon Wks., carriages, Macon, Ga.
iams, Walter, architect, 2 W. 33rd, New York.
iams & Wells Co., contrs' supps., 248 Fulton, New York.
liams-Wendt, flooring, 118 N. La Salle, Chicago, Ill.
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liams, Wm., contractor, 86 Weybosset, Providence, R. I.
iams, Wm. E., mill & facty. supplies, 62 Front, New York.
liams, Wm. E., valves, 62 Front, New York.
liams, Wm. G., contractor, 352 Jackson, Milwaukee, Wis.
liams, Wm. H., Co., advtg. spec., Greenville, Ohio.
iams, W. H., contr., 130 N. Wells, Chicago, Ill.
liams, William, Jr., hdwe. mfrs., New Britain, Conn.
liams & Williams, turpentine, Hurds, Fla.
liamsburg Brass Fdry., ferrules, 517 Park av, Bklyn, N. Y.
liamsburg Canning Co., Williamsburg, Ohio.
liamsburg Chemical Co., colors, 230 Morgan av, B'klyn, N. Y.
liamsburg Cork Wks., 50 Church, New York.
liamsburg Flint Glass Co., 260 Boerum, Brooklyn, N. Y.
liamsburg Knitting Mills, sweaters, cardigans, etc., 20 Bogart, Brooklyn, N. Y.
liamsburg Mfg. Co., tool sets, Williamsburg, Mass.
liamsburg Packing Co., canned goods, Williamsburg, Md.
liamsburg Plumbing Supply Co., 3 Moore, Brooklyn, N. Y.
liamson, Ben, & Co., whol. hdwe., Ashland, Ky.
liamson Bros., Co., marine steering gears, Aramingo & Cumberland, Phila., Pa.
liamson, C. F., masons' & bldrs.' matls., Media, Pa.
liamson, C. T., Wire Novelty Co., picture hooks, Badger av, Newark, N. J.
liamson & Co., chemicals, 28 Burling Slip, New York.
liamson, Crow & Proctor, architects, Gilbert blk, Grand Rapids, Mich.
liamson, D. D., & Co., boiler compounds, 86 Fulton, New York.
liamson Fndry. Co., Marburg av, Oakley, Cincinnati, Ohio.
liamson, Frank & Co., masons' & bldrs.' matls., Avondale, Pa.
liamson, Geo. H., architect, Majestic Bldg., Denver, Colo.
liamson, H. C., machy. dlr., band-saw machines, 321 N. Crawford av, Chicago, Ill.
liamson, H. E., clothes, waching machines, 1340 Mission, San Francisco, Cal.
liamson, H. M., canned goods, Nace, Va.
liamson Hardware Co., Bluffton, Ind.
liamson Heater Co., furnaces, etc., 339 W. 5th, Cincinnati, O.
liamson, J. A., & Co., canned goods, Springwood, Va.
liamson, J. E., Co., machsts. & fndrs., Bellwood, Pa.
liamson, J. E., & Co., stone producers, Paducah, Ky.
liamson, J. N., & Sons Co., cotton flannels, Burlington, N. C.
liamson-Kuny Mill & Lumber Co., Mound City, Ill.
liamson Pen Co., fountain pens, Janesville, Wis.
liamson, R., & Co., elec. & gas light fixtures, 601 Washington blvd, Chicago, Ill.
liamson, Russell Bar, architect, 405 Broadway, Milwaukee, Wis.
liamson, T. W., architect, Central Bank Bldg., Topeka, Kan.
liamson Veneer Co., Baltimore & 8th, Baltimore, Md.
liamson, Wm. G., architect, 19 S. La Salle, Chicago, Ill.
liamsport Hardware & Stove Co., Williamsport, Pa.
liamsport Hardwood Lumber Co., Williamsport, Pa.
liamsport Joint Fastener Co., Williamsport, Pa.
liamsport Leather Goods Co., belting, Williamsport, Pa.
liamsport Mirror & Glass Co., Williamsport, Pa.
liamsport Planing Mill Co., Williamsport, Pa.
liamsport Radiator Co., Williamsport, Pa.
liamsport Steam Co., htg. contrs., Williamsport, Pa.
liamsport Wire Rope Co., Williamsport, Pa.
liamston Cooperage Co., Williamston, N. C.
liamstown Glass Co., bottles, jars, Williamstown, N. J.
liamsville Buff Mfg. Co., buffing wheels, Danielson, Conn

Willig Bros., flour, Temple, Tex.
Willimantic Lumber & Coal Co., masons' & bldrs.' matls., Willimantic, Conn.
Willimantic Mach. Co., Willimantic, Conn.
Willing, Chas., architect, 1627 Ransom, Phila., Pa.
Willing, J. W., & Son, canned goods, Nanticoke, Md.
Willingham Cotton Mills, Macon, Ga.
Willingham, E. G., textile machy., Memphis, Tenn.
Willingham Sash & Door Co., Macon, Ga.
Willingham Stone Co., marble, Healey Bldg., Atlanta, Ga.
Willingham Tift Lumber Co., Atlanta, Ga.
Willingham's Warehouse, Macon, Ga.
Willis, B. F., architect, York, Pa.
Willis, C. J., toasters, Ann Arbor, Mich.
Wills, C. W., contractor, Pensacola, Fla.
Willis Co., smoking pipes, 76 Pilling, Brooklyn, N. Y.
Willis Coal & Mining Co., Fullerton bldg, St. Louis, Mo.
Willis Electric Co., elec. radiators, 4140 Euclid av, Cleveland, Ohio.
Willis, F. C., mill & facty. supplies, 565 Washington blvd, Chicago, Ill.
Willis, H. J., masons' & bldrs.' matls., Winona, Minn.
Willis, J. Swing, architect, 513 N. Charles, Baltimore, Md.
Willis, J. T., architect, Jackson, Miss.
Willis, Jno. A. See Tozer Engine Wks. (successor).
Willis Mfg. Co., skylight and ventilator combined, Galesburg, Ill.
Willis & Rumery Co., bldg. contrs., Portland, Me.
Willis & Sons, Co., cornices, Moline, Ill.
Willis, W. D., architect, Pensacola, Fla.
Willis, W. M. Carriage Wks., Ironton, O.
Willis, Wm. V., & Co., instruments, 134 S. 11th, Phila., Pa.
Willison, J. M., brick cutting wires, East Liverpool, Ohio.
Willison, Robert, architect, 200 Enterprise blk, Denver, Colo.
Williston, Chas. H., contractor, 171 Pleasant, Fall River, Mass.
Williston Mill Co., flour, Williston, N. D.
Williston, R. L., indelible ink mfr., Northampton, Mass.
Willite Road Construction Co., 51 Chamber, New York.
Willman Lbr. Co., Hartford City, Ind.
Willmar Milling Co., feed, Willmar, Minn.
Willmarth-Mackillop, contractors, Pawtucket, R. I.
Willmont Oil Mills, meal, Pelzer, S. C.
Willms, Chas., Surgical Instrument Co., 300 N. Howard, Baltimore, Md.
Willoughby Co., auto, wood & metal bodies, Utica, N. Y.
Willow Furniture Co., 625 W. 42d, New York.
Willow Grass Rug Co., grass matting, Green Bay, Wis.
Willow Grove Milling Co., flour, Willow Grove, Tenn.
Willow River Lbr. Co., Hayward, Wis.
Wills, A. V., & Sons, contractors, Pittsfield, Ill.
Wills, Chas. T., Inc., contractor, 286 5th av, New York.
Wills, F. K., dock bldrs., Wilmington, Del.
Wills, Geo. B, & Co., contractors, 101 Park av, New York.
Wills, Geo. W., machinist, Dover, Ohio.
Wills, Ludwick, & Co., contractors, 34 S. 17th, Philadelphia, Pa.
Wills Mfg. Co., tank & stock heaters, plow coulters, etc., Mendota, Ill.
Wills Point Cotton Oil Co., fertilizer mfrs., meal, Wills Point, Tex.
Wills, F. A. & C. C., canned goods, Troutville, Va.
Wills, Walter B., architect, 1181 Myrtle av, Brooklyn, N. Y.
Willsden, S. Blake, shears & scissors, Heyworth Bldg., Chicago, Ill.
Willsea Wks., machsts. & fndrs., Rochester, N. Y.
Willshire Milling Co., wheat flour, Willshire, Ohio.
Willson, A. H., canned goods, Vineland, N. J.
Willson Bros. Lumber Co., Oliver Bldg., Pittsburgh, Pa.
Willson, Fred. F., & Co., architects, Bozeman, Mont.
Willson, H. J., cornices, Everett, Wash.
Willson, T. A., & Co., Inc. (See Wilson Goggle, Inc. (successor).
Willsons Fireworks Co., 146 Davis, San Francisco, Cal.
Willy & Co., buckwheat, rye & wheat flour, Appleton, Wis.
Willys Corp., airplane, gas & gasoline engines, 11 Pine, New York.
Willys Light Div. Electric Auto Lite Corp., Toledo, Ohio.
Willys-Morrow Co., Inc., auto parts, Elmira, N. Y.
Willys-Overland Co., automobile bldrs., Toledo, Ohio.
Wilmanns, August C., architect, 35 S. Dearborn, Chicago, Ill.
Wilmarth & Morman Co., drill grinders, 1187 Monroe av, Grand Rapids, Mich.
Wilmarth Show Case Co., Grand Rapids, Mich.
Wilmarth, T. W., Co., elec. light fix. mfrs., 324 W. Superior, Chicago, Ill.
Wilmarth, W. D., & Co., hdwe. mfrs., Attleboro, Mass.
Wilmarth & Zerbe, architects, Salina, Kans.
Wilmer, Samuel S., contractor, 3211 Comly Wissng, Phila., Pa.
Wilmington Brick Co., Wilmington, Del.
Wilmington Casting Co., Wilmington, Del.
Wilmington & Co., trunks, Toledo, Ohio.
Wilmington Electroplating Co., cold process galvanizing, Wilmington, Del.
Wilmington Fibre Specialty Co., Wilmington, Del.
*See adv index at end of book*
Wilmington Gas Co., water-gas tar, Wilmington, Dela.
Wilmington Iron Wks., machinists, founders, engineers, shipwrights, boilermakers, blacksmith, electric & acetylene welding, Wilmington, N. C. *See adv. index at end of book*
Wilmington Malleable Iron Wks. of Eastern Malleable Iron Co., castings, rail braces & joints, etc., Wilmington, Del.

Wilmington Oil Refining Co., cotton softeners, Wilmington, Del.
Wilmington Sash & Door Co., Mason, Ga., & Wilmington, Del.
Wilmot Engng. Co., chains, machy., etc., Hazleton, Pa.
Wilmot Oil Mills, cottonseed meal, Wilmot, Ark.
Wilna Mach. Co., Carthage, N. Y.
Wilputte Coke Oven Corp., coke plant construction, 469 5th av, New York.
Wilsch Machine & Specialty Co., jigs, fixtures, etc., 237 Lafayette, New York.
Wilsdorf, M. A., cornices, 213 St. George, St, Louis, Mo.
Wilsey, Chas. D., architect, S. A. & K. Bldg., Syracuse, N. Y.
Wilsey & Shaffer Mfg. Co., oars, boats, Vicksburg, Miss.
Wilson, A. A., contractor, Ashland, Ky.
Wilson, A. B., Co., junction boxes & shade rollers, 1051 Power bldg, Cleveland, Ohio.
Wilson, A. H., canned goods, Aberdeen, Md.
Wilson, A. Hamilton, architect, Wash. Loan & Trust bldg., Washington, D. C.
Wilson, A. & S., Co., contractors, 541 3d av, Pittsburgh, Pa.
Wilson & Adams Co., masons' & bldrs.' matls., Mount Vernon, N. Y.
Wilson, Albert, architect, 140 W. 39th, New York.
Wilson, Andrew, Co., steel factory equipment mfrs., 616 Essex, Lawrence, Mass. *See adv index at end of book.*
Wilson, Arthur L., architect, 2905 Woodward, Detroit, Mich.
Wilson & Bennett Mfg. Co., steel shipping barrels, steel oil barrels, 65th pl. & S. Menard av., Chicago, Ill.
Wilson & Biggs, poles & cross ties, Greenup, Ky.
Wilson Brick Co., Wilson, Conn.
Wilson Brick & Tile Co., Keenan Bldg., Pittsburgh, Pa.
Wilson Bros., agric'l implements, bone, shell & grain mills, E. Delaware, Easton, Pa. *See adv index at end of book*
Wilson Bros. Lbr. Co., Pittsburg, Pa.
Wilson Bros., machsts., Hoboken, N. J.
Wilson Bros. & Co., sashes, doors & blinds, 110 Market, San Francisco, Cal.
Wilson, C. D., architect, Mutual Life Bldg., Seattle, Wash.
Wilson, C. E., & Son, contractors, Barnesville, Ohio.
Wilson, C. R., Body Co., Clay av & D. G. H. & M. R. R., Detroit, Mich.
Wilson, C. W., & Co., lbr. mfrs., ft. Kent, Brooklyn, N. Y.
Wilson Canning Co., Hebron, Md., & Mexico, N. Y.
Wilson, Carl C., contractor, Coraopolis, Pa.
Wilson, Chas. C., architect, Columbus, S. C.
Wilson, Chas. T., Co., crude rubber, 56 Wall, New York.
Wilson Chemical Co., Tyrone, Pa.
Wilson, Clarence D., architect, Long Branch, N. J.
Wilson & Cochran, lumber, Lottie, La.
Wilson & Co., canned goods, meat packers, etc., U. S. Yards, Chicago, Ill.
Wilson Co., textile machy. & supplies, struct'l steel, etc., Greenville, S. C.
Wilson & Co., trolley catchers, 108 N. 6th, Brooklyn, N. Y.
Wilson Construction Co., Fulton Bldg., Pittsburgh, Pa.
Wilson Contracting Co., Newark, Ohio.
Wilson Cypress Co., lumber, Palatka, Fla.
Wilson, D. L., flour mills, Moorefield, W. Va.
Wilson, Dexter E., architect, Malden, Mass.
Wilson, E. A., & Co., masons' & bldrs.' matls., Lowell, Mass.
Wilson, F. Allen, architect, 1208 Chestnut, Philadelphia, Pa.
Wilson, E. H., & Co., second-hand railroad equipments, Commercial Trust Bldg., Philadelphia, Pa.
Wilson, E. L., Hardware Co., Beaumont, Tex.
Wilson & Eaton Co., masons' & bldrs.' matls., Amenia, N. Y.
Wilson Engineering & Contr. Co., Xenia, Ohio.
Wilson, F. Cortez, Co., gasoline tanks, etc., 159 W. Lake, Chicago, Ill.
Wilson Fdry. & Machine Co., grey iron castings, Pontiac, Mich.
Wilson, Francis W., architect, Santa Barbara, Cal.
Wilson & Gardner Co., masons' & bldrs.' matls., 5541 Lean, Germantown, Philadelphia, Pa.
Wilson, Geo., cornices & skylights, Florence, Colo.
Wilson, Geo. E., architect, Ogdensburg, N. Y.
Wilson, Geo. W., htg. contrs., 612 Myrtle av, Brooklyn, N. Y.
Wilson Goggle, Inc., Reading, Pa.
Wilson, H. A., Co., platinum refiners & mfrs. & contact points, 97 Chestnut, Newark, N. J.
Wilson, H. P. & H. F., bale ties, 542 W. 22d, New York.
Wilson, H. R., Machy. Co., Federal Reserve Bank bldg, St. Louis, Mo.
Wilson, H. S., masons' & bldrs.' matls., Cleburne, Tex.
Wilson Hdwe. Co., Boulder, Colo., Wilmington, Del.
Wilson, Horatio, & Co., architects, 11 S. La Salle, Chicago, Ill.
Wilson-Hurd Co., bag holders, fly killers, Wausau, Wis.
Wilson Instrument & Spec. Co., Passaic, N. J.
Wilson, J. (Est. of), machsts. & fndrs., Easton, Pa.
Wilson, J. Appleton, architect, Law Bldg., Baltimore, Md.
Wilson, J. B., & Co., sashes, doors & blinds, Sherman, Tex.
Wilson, J. C., archl. iron, Watertown, N. Y.
Wilson, J. C., Co., automobile bldrs., 15th & Warren, Detroit, Mich.
Wilson, J. D., contractor, Newburgh, N. Y.
Wilson, J. F., contr., Springfield, Mass.
Wilson, J. Frank, carriages, Wilkes-Barre, Pa.
Wilson, J. G., Corp., blinds & shutters, 8 W. 40th, New York. *See adv. index at end of book*
Wilson, J. H., & Son, lbr. & railroad cross ties, McLeansboro, Ill.

Wilson, J. & R., Inc., mill & facty., San Francisco, Cal., & Norfolk, Va.
Wilson & Cato, architects, New Telephone bldg, Detroit, Mich.
Wilson & James, machs. & fndrs., Darlington, S. C.
Wilson, Jas., & Co., mill & facty. supplies, Stamford, Conn.
Wilson, Jas. G., Mfg. Co., sash, door & blind mfrs., 332 S. Michigan av, Chicago, Ill.
Wilson, Jas. H., masons' & bldrs.' matls., Fall River, Mass.
Wilson, Jas. T., & Co., canned goods, Delmar, Del.
Wilson, James Y., contr., Jacksonville, Fla.
Wilson, John, contractor, Alliance, Ohio.
Wilson, John, masons' & bldrs.' matls., Hebron, Ind.
Wilson, John G., architect, 263½ Yamhil, Portland, Ore.
Wilson, John L., architect, Ashtabula, Ohio.
Wilson, John T. (Est. of), sash, door & blind mfrs., Jamestown, N. Y.
Wilson, John T., Co., contractor & bldr., Mutual Bldg., Richmond, Va.
Wilson-Jones Loose Leaf Co., loose leaf devices, 3300 Franklin Bl., Chicago, Ill.
Wilson, Joseph W., architect, Henry bldg, Seattle, Wash.
Wilson, L. H., architect, 10 W. 4th, Cincinnati, Ohio.
Wilson, L., Novelty Works, machinery specialties, 222 S. Clinton, Chicago, Ill.
Wilson, Lee, & Co., lumber mfrs., Wilson, Ark.
Wilson, Louis H., architect, 10 W. 4th, Newport, Ky.
Wilson, Ludwig, Brush & Supply Co., janitors' supplies, 455 S. Clark, Chicago, Ill.
Wilson Lbr. Co., Bokhoma, Okla., & Mill Creek, W. Va.
Wilson Lumber & Box Co., Tonawanda, N. Y.
Wilson, Lydell L., lbr. mfrs., Randolph, N. Y.
Wilson Machinery Co., derricks, 301-331 W. 35th, Chicago, Ill. *See adv. index at end of book*
Wilson-Maeulen Co., quartz, pyrometers, silico, etc., 511 E. 145th, New York.
Wilson, Mark K., contr., Chattanooga, Tenn.
Wilson Mfg. Co., carpet beaters, Niles, Ohio.
Wilson Mfg. Co., metal polish, Lennox Bldg., Cleveland, Ohio.
Wilson & Merrick, canned goods, Ingleside, Md.
Wilson Milling Co., flour, Greensburg, Ky.
Wilson & Morrow, brick, Barnes City, Ia.
Wilson, O. C., & K. R., mill & facty. supplies, 78 Dey, New York.
Wilson, O. E., architect, 109 7th, Pittsburgh, Pa.
Wilson, O. G., & Co., masons' & bldrs.' matls., St. Paul, Minn.
Wilson, O. J., machst. & fndr., Salem, Ore.
Wilson, Pliny D., Co., children's vehicles, etc., 433 California, San Francisco, Cal.
Wilson Provision Co., meat packers, Peoria, Ill.
Wilson & Pugh, mill & facty. supplies—whol. hdwe., Cumberland, Md.
Wilson Remover Co., varnish removers & boiler compounds, 115 Chestnut, Newark, N. J.
Wilson, R. F., & Co., contractors, 1851 Elston, Chicago, Ill.
Wilson & Roake, heating boilers, etc., 107 Hancock, B'klyn., N. Y.
Wilson, Robt. P., balata, springs, etc., 320 Market, Newark, N. J.
Wilson, Robert S., lumber mfrs., Seattle, Wash.
Wilson, Robt., & Son, archl. iron, New Haven, Conn.
Wilson, Rowland S., natural gas burners, 14 Wood, Pittsburgh, Pa.
Wilson Rubber Co., gloves & druggists' sundries, Canton, Ohio.
Wilson, Samuel, knitted gloves, Needham Heights, Mass.
Wilson, Samuel A., masons' & bldrs.' matls., Newburgh, N. Y.
Wilson Sand & Supply Co., Huntington, W. Va.
Wilson Shipbldg. Co., Astoria, Ore.
Wilson Shipyards, Seattle, Wash.
Wilson & Silsby, yacht sails, Rowe's Wharf, Boston, Mass.
Wilson-Snyder Centrifugal Pump Co., 2 Ross, Pittsburgh, Pa.
Wilson-Snyder Mfg. Co., machsts. & fndrs., Pittsburgh, Pa.
Wilson & Son, J. H., ties, poles & posts, McLeansboro, Ill.
Wilson Steel Products Co., 49th & S. Western av, Chicago, Ill.
Wilson, Stewart, contractor, Fargo, N. D.
Wilson Stove & Mfg. Co., fndrs., Easton, Pa.
Wilson Stove & Mfg. Co., Valley Park, Mo.
Wilson, T. F., & Son, contractors, Brookville, Ind.
Wilson, Thos. E., & Co., sporting gds., etc., 727 North Sangamon, Chicago, Ill.
Wilson Tire & Rubber Co., Springfield, Ill.
Wilson & Tomlinson, contractors, 79 Milk, Boston, Mass.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla.
Wilson Trolley Catcher Co., 14 Federal, Boston, Mass.
Wilson & Visscher, architects, 299 Madison av, New York.
Wilson, W. A., contractor, Mass. Bldg., Kansas City, Mo.
Wilson, W. A., Machine Co., planers, etc., 217 N. Water, Rochester, N. Y.
Wilson, W. A., & Sons, masons' & bldrs.' matls., Wheeling, W. Va.
Wilson, Walter Co., who. hdwe., Green Bay, Wis.
Wilson, W. D., Printing Ink Co., 17 Spruce, New York.
Wilson, W. E., Lumber Co., Fort Recovery, Ohio.
Wilson, W., Lbr. Co., masons' & bldrs.' matls., La Porte, Ind.
Wilson, W. R., & Son, contrs., Odd-Fellows' Bldg., St. Louis, Mo.
Wilson, W. S. Corp., whole hdwe., 155 Chambers, New York.
Wilson, W. S. Lbr. Co., Camak, Ga.
Wilson Welder & Metals Co., 2 Rector, New York.
Wilson & Wilk Co., elec. light fix. mfrs., 1540 Milwaukee av, Chicago, Ill.

on & Willard Mfg. Co., oil well tools, 2301 E. Vernon av, Los Angeles, Cal.
on, Wm. H. Iron Wks., scrap iron & structural steel, Rochester, N. Y.
on Wood & Lumber Co., Norfolk, Va.
on-Wrape, W. W., Stave Co., cooperage stock, Little Rock, Ark.
on, Wyle T., mailing tubes, paper drinking cups, etc., 1151 N. 3d, Philadelphia, Pa.
. C. H., common brick, Ogden Center, Mich.
. Chas. T., traveling bags, 221 W. Madison, Chicago, Ill.
oonco Mfg. Co., gauges, regulators, etc., 24 Porter, Boston, Mass.
on Mfg. Co., cocks, Wrightsville, Pa.
s Veneer Co., Richmond, Va.
in Co., Ltd., lbr., Front Lake, Mich.
berly & Thomas Hardware Co., Birmingham, Ala.
mer Contracting Co., Victoria Bldg., St. Louis, Mo.
mac Construction Co., Winamac, Ind.
ns C. H. Co., contractors, Elizabeth, N. J.
ns Fruit & Canning Co., Diggins, Mo.
ns Mach. Co., hand vacuum cleaners, Binghamton, N. Y.
orne & Co., fertilizer mfrs., Norfolk, Va.
orne, P. J., architect, Suffolk, Va.
hell, H. C., 20 E. Jackson blvd, Chicago, Ill.
hell, John, architect, Pittsfield, Mass.
hester, B. & C., Co., platers metals, Winsted, Conn.
hester Brass & Copper Co., brass stampings, Winsted, Conn.
hester Brick Co., Boston, Mass.
hester & Daniels, cedar shingles, Grand Rapids, Mich.
hester Granite Brick Co., Winchester, Ky.
hester Lbr. & Mfg. Co., Winchester, Ky.
hester Lumber Co., Winchester, Ohio.
hester Mach. Wks., Winchester, Ind.
hester Milling Co., flour, Winchester, Tenn.
hester Packing Co., meat, Hutchinson, Kas.
hester Repeating Arms Co., rifles, cutlery, tools, etc., mfrs., New Haven, Conn.
hester Stone Co., 535 Albany, Boston, Mass.
hester, Thos., contr., Rockford, Ill.
roft Stove Wks., Middletown, Pa.
l, Jacob, Jr., architect, 208 Broad, Elizabeth, N. J.
l River Lbr. Co., Cascade Locks, Ore.
au Tool Co., 1565 E. 17th, Cleveland, Ohio.
ler Oil Mill Co., Winder, Ga.
lfall Mfg. Co., brick, Windfall, Ind.
lham Bros. Construction Co., Alabama Penny Bk. Bldg., Birmingham, Ala.
lham Handle Co., South Windham, Conn.
lholz, Charles A., canned goods, Syracuse, N. Y.
ling & Gezelschap, asphalt paving contrs., Pabst Bldg., Milwaukee, Wis.
ling Gulf Colliery Co., coal mine, Winding Gulf, W. Va.
lle, J. E., textile machy., Worcester, Mass.
lmuller, L., & Roelker, varnish gums, 20 Reade, New York.
lorf Bros., contrs., Kenosha, Wis.
low Cleaners' Improved Belt & Device Co., 62 W. Wash'n, Chicago, Ill.
lowphanie Co., stained glass substitutes, 19 E. 14th, New York.
rim, J. T., architect, Commonwealth bldg, Phila., Pa.
lsor, A., contractor, Sante Fe, N. M.
lsor Brick Co., Akron, O.
lsor Cement Co., 446 Albany, Boston, Mass.
sor Coal Co., Bendum-Trees bldg, Pittsburgh, Pa.
lsor Cove Packing Co., canned goods, Jesterville, Md.
lsor Green Granite Co., Windsor, Vt. & Worcester, Mass.
lsor Mfg. Co., brass fndrs., 570 Clinton, Milwaukee, Wis.
lsor Mfg. Co., brooms, Windsor, Mo.
lsor Soap Co., 963 William, Buffalo, N. Y.
sor Webbing Co., Pawtucket, R. I.
ly Hill Packing Co., canners, Easton, Md.
Railway Appliance Co., Toledo, Ohio.
brenner, D. E., Co., canned goods, Hanover, Pa.
gar, R. J., contractor, 1020 E 17th, Salt Lake City, Utah.
man, A. G., & Sons, lbr., Greenville, Miss.
iebago Realty Co., lbr., Park Falls, Wis.
r, Sam'l, & Co., scrap iron, Elkhart, Ind.
ield Bros., & Co., stone producers, Beach City, Ohio.
ield Elec. Welding Mach. Co., Warren, Ohio.
ield Mfg. Co., mail boxes, machsts, etc., Warren, Ohio.
ield Pottery Co., Winfield, Tex.
ield Sand Co., 2d Nat'l Bk. Bldg., Pittsburgh, Pa.
ield Sand & Mineral Co., 2d Nat'l Bk. Bldg., Pittsburgh, Pa.
rey Stave & Lbr. Co., Somerset, Ky.
, Chas., Co., auto. mountings, small springs, Amesbury, Mass.
's Sons, Chauncey, machst. & fndr., Greenfield, Mass.
-Engel Box Co., Old Town, Me.
& Evans, soda ash, algali ,etc., 22 William, New York.
J. F., architects, Pixley-Long Bldg., Fort Wayne, Ind.
, J. T., & Co., mill & facty. supplies, 19 Woodward av, Detroit, Mich.
, L. J., Mfg. Co., blowers, regulators, pumps, fans, 352 W. 13th, New York
, Mitchell, & Co., soap, 113 Broad, Boston, Mass.

Wing, Robt. B., & Son, mill & facty. supplies, 358 B'way, Albany, N. Y.
Wing, S., & Co., cameras, Charleston, Boston, Mass.
Wing & Son, pianos, 9th av. & 13th st, New York.
Wingate, Frank S., masons' bldrs.' matls.', Hallowell, Me.
Wingender, Chas., & Bros., potteries, Haddonfield, N. J.
Winger-Blume Mfg. Co., clothes washing machines, Wolcott, Ind.
Winger Foundry & Furnace Co., Montpelier, Ohio.
Wingfield Hdwe. Co., whol., Augusta, Ga.
Wingfield, Nimrod T., architect, Charlottesville, Va.
Wingrane & MacNaughton Co., elec. light fix mfrs., 117 N. Wabash av, Chicago, Ill.
Wingren, Chas. O., machinist, Pasadena, Cal.
Winkelman, Louis, & Co., forgings, dies, etc., 213 Lawrence, Cincinnati, Ohio.
Winking, Geo., cornices, Quincy, Ill.
Winkle Terra Cotta Co., Century Bldg., St. Louis, Mo.
Winkler Co., bench stops, etc., 120 Miller, Newark, N. J.
Winkler, Geo., architect, Tulsa, Okla.
Winkler-Grimm Corp., mfrs. of wagons & auto bodies, So. Bend, Ind.
Winkler, Ignatz, & Co., stone producers, 2616 S. Sacramento av, Chicago, Ill.
Winkler, Isaac, & Bro., Co., chemicals, 1st Nat'l Bk. Bldg., Cincinnati, Ohio.
Winkler & Reichmann, signals & telephone, 5 S. Wabash av, Chicago, Ill.
Winkler, W. E., sashes, doors & blinds, Butler, Ohio.
Winkley Artificial Limb Co., 1326 Washington av, Minneapolis, Minn.
Winland, W. V., flour mills, Elizabeth, W. Va.
Winn, E. L. Const. Co., contrs., Ry. Exch. Bldg., Kansas City, Mo.
Winn, J. H., Sons, clock hands, Winchester, Mass.
Winn, Wm. R., lubrg. oils & greases, paints, etc., 488 Cherry, New York.
Winne, F. W., & Son, cordage & twine, packing mfrs., 237 Market, Philadelphia, Pa.
Winne, Howard B., mill & facty. supplies, 714 W. Jackson blvd., Chicago, Ill.
Winne, L. S., & Co., whol. hdwe., Kingston, N. Y.
Winne & McKain Co., masons' & bldrs.' matls., Schenectady, N. Y
Winnebago Furniture Mfg. Co., Fond Du Lac, Wis.
Winneberger, Geo., & Son, desk mfrs., 252 S. 3rd, Phila., Pa.
Winneconne Lumber Co., Oshkosh, Wis.
Winner Co., boiler compounds, 30 Church, New York.
Winner, H. H., Co., architects, Humboldt Bk. Bldg., San Francisco, Cal.
Winnfield Brick Co., Winnfield, La.
Winnsboro Cotton Oil Co., meal, Winnsboro, Tex.
Winnsboro Granite Corp., Rion, S. C.
Winona Boiler Co., Winona, Minn.
Winona Carriage Co., Winona, Minn.
Winona Casket Co., Winona, Minn.
Winona Cotton Mills, Winona, Miss.
Winona Gas Light & Coke Co., Winona, Minn.
Winona Htg. & Ventg. Co., Winona, Minn.
Winona Machine & Boat Wks., Winona, Minn.
Winona Machine & Fdry. Co., Winona, Minn.
Winona Motor Co., Winona, Minn.
Winona Oil & Mfg. Co., Winona, Miss.
Winona Packing & Soap Co., Winona, Minn.
Winona Technical Institute, engng. schools & coll., Indianapolis, Ind.
Winona Wagon Co., Winona, Minn.
Winorr Canning Co., Circleville, Ohio.
Winship, Chas. A., & Co., medals, 159 N. State, Chicago, Ill.
Winship, W. W., baskets, trunks, 71 Summer, Boston, Mass.
Winship, W. W., & Sons Co., trunk mfrs., Utica, N. Y.
Winslow Bros. Co., machsts. & fndrs.—iron & bronze works & window frames, 4600 W. Harrison, Chicago, Ill.
Winslow Cabot Co., advtg. spec., 79 Milk, Boston, Mass.
Winslow Carleton Monroe, architect, Van Nuys bldg, Los Angeles, Cal.
Winslow, C. M., architect, 1025 4th, San Diego, Cal.
Winslow & Co., brick, Portland, Me.
Winslow, D. A. & Co., mill & facty supplies, Norfolk, Va.
Winslow, Edw. L., stone prod., Kalamazoo, Mich.
Winslow Glass Co., milk jars & bottles, Columbus, Ohio.
Winslow Grammont Standard Scale Wks., Terre Haute, Ind.
Winslow, Harold E., architect, Grand Forks, N. D.
Winslow, J. A., & Son, cornices & skylights, Bath, Me.
Winslow Lubricating Co., 608 Swan, Buffalo, N. Y.
Winslow Lumber Co., Orin, Wash.
Winslow Marine Ry. & Shipbuilding Co., Seattle, Wash.
Winslow, Sam'l, Skate Mfg. Co., Worcester, Mass.
Winsor & Jerauld Mfg. Co., machsts., 223 Harrison, Providence, R. I.
Winsted Edge Tool Wks., machsts. & fndrs., Winsted, Conn.
Winsor Gravity Dump Body Co., 712 Atwater, E. Detroit, Mich.
Winsted Hdwe. Mfg. Co., closet screws, Winsted, Conn.
Winsted Mfg. Co., machsts. & fndrs., Winsted, Conn.
Winsted Silk Co., thread, Winsted, Conn.
Winston Bros. Co., contractors, Globe Bldg., Minneapolis, Minn.
Winston & Co., contrs., Amer. Nat. Bk. Bldg., Richmond, Va.

Winston-Dear Co., contractors, Globe Bldg., Minneapolis, Minn.
Winston Lbr. Co., Noxapater, Miss.
Winston, Miller & Clack, lumber—wholesale, Richmond, Va.
Winston, Thos. H., Covington, Ky.
Winstone, Geo. C., & Son, contractors, Schenectady, N. Y.
Wint, F. W., Co. (Ltd.), sash, door & blind, Catasauqua, Pa.
Winter Bros., brick, Wadsworth, Ill.
Winter Bros. Co., machsts. & fndrs., Wrentham, Mass.
Winter Co., bk. office & store fix., Sheboygan, Wis.
Winter & Co., pianos, S. blvd & 137th, New York.
Winter, F. W., & Co., windmills, Fairbault, Minn.
Winter, Frank, Hardware Co., Lancaster, Ohio.
Winter, Frank W., lbr., Auburn, Me.
Winter, G. C., mill & facty. supplies.—masons' & bldrs.' matls., Southbridge, Mass.
Winter, H. B., architect, Manhattan, Kans.
Winter, H. E., changeable bldg. directories & signs, Davenport, Ia.
Winter, H. L., Mfg. Co., sash, door & blind mfrs., Alton, Ill.
Winter, H. W., harness, saddles, etc., Norfolk, Neb.
Winter Hdwe. Co., mill & facty. supplies, Fremont, O.
Winter, Louis F., machsts., 420 W. 27th, New York.
Winter, R. G., Mfg. Co., hdwe. mfrs., 2102 Vliet, Milwaukee, Wis.
Winter, Son, & Co., aluminum, tin, ingots, etc., 64 Wall, New York
Winter, Wm. F., bldg. contr., 1025 2d, Milwaukee, Wis.
Winterborne, W. H. & Sons, machsts. & brass fndrs., San Antonio, Tex.
Winterbottom, Carter & Co., handles, bone, Egg Harbor City N. J.
Winterbourne, S., & Co., varnish, oils, etc., 94 Pine, New York
Winterer, Herman L., machy. dealer, 953 N. Front, Phila. Pa.
Winternitz, Albert, contractor, 103 Park av, New York.
Winterroth & Co., pianos, 8 Union Sq., New York.
Winterrowd, Thos. A., architect, Am. Central Life Bldg., Indianapolis, Ind.
Winters Canning Co., Winters, Cal.
Winters, Edwin, stone producers, McKeesport, Pa.
Winters, Henry T., & Son, contractors, Waterville, Me.
Winters, J. H., & Son, flour mills, Adams, Tenn.
Winters, J. S., contractor, 20th & Elm, Portland, Ore.
Winters Leonard R., mfrs. agents, Widener bldg., Phila, Pa.
Winters Lumber Co., Elwood, Ind.
Winters, Mercer & Brannum Lbr. Co., Anderson, Ind.
Winter's Metallic Paint Co., Iron Ridge, Wis.
Winters & Prophet Canning Co., Mt. Morris, N. Y.
Winters Sign & Novelty Cor., Springfield, O.
Winters, Wm. C., architect, 106 Van Sicklen av, Brooklyn, N. Y.
Wintersteen, C. A., cornices, 408 W. 3d, Dayton, Ohio.
Winther, Chas. A. G. Co., Inc., mill & facty supplies, 85 High, Boston, Mass.
Winther Motor Truck Co., auto. mfrs., Kenosha, Wis.
Winthrop Asphalt Shingle Co., Argo, Ill.
Winthrop Canning Co., Winthrop, Minn.
Winthrop Mills Co., woolen blankets, Winthrop, Me.
Winton Co., auto bldrs., Berea rd., Cleveland, Ohio
Winton Engine Works, Cleveland, Ohio.
Wintringham & Well, naval architects, 32 B'way, New York.
Winyah Lumber Co., Georgetown, S. C.
Wipf, J., & Co., lumber, Iola, Wis.
Wire Bolt Clamp Co., hose clamps, Battle Creek, Mich.
Wire Goods Co., Worcester, Mass.
Wire Hdwe. Co., 6126 S. La Salle, Chicago, Ill.
Wire Inspection Bureau, testing laboratories, 13 Park Row, New York.
Wire & Metal Wares Co., baskets, mats, etc., Erie, Pa.
Wire Novelty Mfg. Co., trimmings & wire specialties, West Haven, Conn.
Wire Rope Lubricating Co., 40 Clinton, Newark, N. J.
Wire & Steel Products Co., Inc., box straps, box strapping machines, wire nails, etc., 407 E. 22nd., New York.
*See adv. index at end of book*
Wirebounds Corp., machsts., 1001 W. Washington, Chicago, Ill.
Wireless Improvement Co., 81 New, New York.
Wireless Mg. Co., Canton, Ohio.
Wireless Specialty Apparatus Co., wireless apparatus, C. & Fargo, Boston, Mass.
Wirsching Peloubet Co., organs, Salem, Ohio.
Wirsing, H. M., architect, New Castle, Pa.
Wirsing & Son, contractors, 2110 Mohegan av, New York.
Wirt Company, dim-a-lite electrical specialties, Armat & Lena, Germantown, Philadelphia, Pa.
Wirt & Knox Mfg. Co., hose carriages & carts, 23d & York, Philadelphia, Pa.
Wirt, Paul E., rubber goods, Bloomsburg, Pa.
Wirth, Carl, architect, 13 W. Superior, Duluth, Minn.
Wirth, John D., special automatic machinery & tools, New Haven, Conn.
Wirth, P., & Son, contractors, Louisville, Ky.
Wirthlin-Mann Co., machy dlrs., mill & facty supplies, 329 W. 3d, Cincinnati, Ohio.
Wirtz & Hernlen, agricultural implements, Augusta, Ga.
Wirz, A. H., Inc., collapsible tubes, Chester, Pa.
Wischerth Mfg. Co., machsts., 302 McDougal, Brooklyn, N. Y.
Wischhusen, John, contractor, 811 Butternut, N. W., Washington, D. C.
Wis.-Alabama Lbr. Co., Sylacauga, Ala.



Wis. Aluminum Fdry. Co., castings, Manitowoc, Wis.
Wis. & Arkansas Lumber Co., Wausau, Wis.
Wis. Auto. Top Co., Racine, Wis.
Wis. Bag & Burlap Co., Neenah, Wis.
Wis. Box Co., packing, Wausau, Wis.
Wis. Brick Co., Madison, Wis.
Wis. Bridge & Iron Co., structural steel & bridges, No. Milwaukee, Wis.
Wis. Bridge & Iron Works, Milwaukee, Wis.
Wis. Butter & Cheese Co., canned goods, Waukesha, Wis.
Wis. Canning Co., Winneconne, Wis.
Wis. Cement Const. Co., 1000 Humboldt av, Milwaukee, Wis.
Wis. Chair Co., telephone cabinet work, Port Washington, Wis.
Wis. Condensed Milk Co., canned, Burlington, Wis.
Wis. Culvert Co., Madison, Wis.
Wis. Cylinder Fdry. Co., Racine, Wis.
Wis. Electric Co., elec. appliances & portable grinders 160 Junction av, Racine, Wis. *See adv index at end of boo*
Wis. Farm Implement Co., machsts., Beloit, Wis.
Wis. Farm Tractor Co., Sash City, Wis.
Wis. Fndry. & Mach Co., mill & facty. supplies, Madison, Wis.
Wis. Fndry. & Steel Wks., Cedar Grove, Wis.
Wis. Granite Co., 11 S. La Salle, Chicago, Ill.
Wis. Graphite Co., Stevens Point, Wis.
Wis. Incubator Co., Racine, Wis.
Wis. Iron & Metal Co., Oshkosh, Wis
Wis. Iron & Wire Works, ornamental iron & bronze mfrs. Milwaukee, Wis.
Wis. Knitting Mills, sweaters, cardigans, etc., Manitowoc, Wis.
Wis. Land & Lumber Co., Hermansville, Mich.
Wis. Lime & Cement Co., 133 W. Washington, Chicago, Ill.
Wis. Lumber Co., 606 S. Michigan av, Chicago, Ill.
Wis. Machinery & Mfg. Co., 51st & Burnham, Milwaukee, Wis.
Wis. Malleable Iron Co., S. Bay, Milwaukee, Wis.
Wis. Metal Products Co., currycombs, cutting dies, hdwe. mfrs & sheet metal stamping, Racine, Wis.
Wis. Miller Mfg. Co., milling machines, Milwaukee, Wis.
Wis. Motor Mfg. Co., airplane engines, 44th av & Burnham Milwaukee, Wis.
Wis. Pea Canners Co., canned goods, Manitowoc, Wis.
Wis. Pearl Button Co., La Crosse, Wis.
Wis. Plumbing & Heating Supply Co., 298 Reed, Milwaukee, Wis
Wis. Pulp Wood Co., Neenah, Wis.
Wis. Red Pressed Brick Co., 200 Lumber Exchange, Minneapolis, Minn.
Wis. Refrigerator Co., Eau Claire, Wis.
Wis. River Paper & Pulp Co., Neenah, Wis.
Wis. River Supply Co., plbrs. supplies, Wausau, Wis.
Wis. Stable Equipment Co., cattle stanchions, Oconomowoc, Wis
Wis. Steel Co., coal mine, 606 S. Michigan, Chicago, Ill.
Wis. Textile Mfg. Co., textile machy. supplies, etc., Two Rivers, Wis.
Wis. Timber Co., Inc., lumber, Stanwood, Wash.
Wis. Timber & Land Co., lbr. mfrs., Sheboygan, Wis.
Wis. Tunnel & Construction Co., 221 Grand av, Milwaukee Wis.
Wis. Veneer Co., Rhinelander, Wis.
Wis. Wire Wks., Appleton, Wis.
Wis. Workshop for the Blind, willoware mfrs., 1312 Fond du La av., Milwaukee, Wis.
Wisdom & Co., glue mfrs., 217 W. Lake, Chicago, Ill.
Wise, August, lumber, Ft. Loramie, Ohio.
Wise, C., & Bro., brick, Lancaster, Pa.
Wise, F. S. & Sons, lbr., Cloverlick, W. Va.
Wise Furnace Co., Akron, Ohio.
Wise, G. W., Co., glass stainers, 86 Federal, Boston, Mass.
Wise Granite & Construction Co., contractors—bldg. & gen., Richmond, Va.
Wise, H., lbr. mfrs., La Porte, Ind.
Wise, Herbert C., architect, Franklin Bldg., Phila., Pa.
Wise, J. B., Inc., machsts. & fndrs., plumbers' supplies, hdwe. mfrs., etc., Watertown, N. Y.
Wise, J. H., Constr. Co., contractors, Post Dispatch bldg, St. Louis, Mo.
Wise, L., & Bros., tallows, 36 Main, Cincinnati, Ohio.
Wise, Lorrillard, architect, 254 Huguenot, New Rochelle, N. Y.
Wise Lumber & Coal Co., masons' & bldrs.' matls., Bangor, Pa.
Wise-McClung Mfg. Co., vacuum cleaners, sweepers & washing Machines, New Philadelphia, Ohio.
Wise, R. S., machst, upland, Ind.
Wise, Silas W., contractor, Cumberland, Md.
Wise Soda Apparatus Co., Bellevue, Ohio.
Wise & Son, contractors, Springfield, Ill.
Wise Sportsman's Supply Co., 15 E. Lake, Chicago, Ill.
Wise & Upson, contractor, Hartford, Conn.
Wise, W. F., architect, Tyrone, Pa.
Wiseman, T. B., architect, Bakersfield, Cal.
Wisenall, Bernard T., architect, 1st Nat'l Bk. Bldg., Cincinnati, Ohio, & 1st Nat'l Bk. Bldg., Covington, Ky.
Wiser, G. B., architect, T. M. S. bldg., South Bend, Ind.
Wise's, Sam'l B., Sons, carriages, Orrstown, Pa.
Wishart, A., & Sons Co., masons' & bldrs.' matls.—contractors, Sharon, Pa.
Wishart, R. S., Co., cornices, Minneapolis, Minn.
Wishkah Shingle Co., lumber, Aberdeen, Wash.
Wiss, J., & Sons Co., cutlery mfrs., 31 Littleton av, Newark, N. J.

ssinoming Tool Wks., pneumatic chisels, Van Kirk & Trenton, Phila., Pa.
ssler, A., engineers instruments & supplies, 601 N. Broadway, St. Louis, Mo.
ssmach. Paul. Glass Co., Meadow, Long Island City, N. Y.
ssner, Henry, stone producers, 1715 Washington av, N. S., Pittsburgh, Pa.
ssner, O., pianos, 55 Flatbush av, Brooklyn, N. Y.
star, Underhill & Nixon, lbr., Real Estate Trust Co. Bldg., Philadelphia, Pa.
strand Mfg. Co., agricultural implements, Galva, Ill.
swall Paint Co., 2413 E. Huntingdon, Phila., Pa.
tbeck, Clark Co., mill, facty. & railway supplies, whol. hdwe., Schenectady, N. Y.
tbonce Mfg. Co., gauge cocks, 24 Porter, Boston, Mass.
tchell-Scheill Co., baseball shoes, 168 Bklyn, Detroit, Mich.
tcombe, McGeachin & Co., linoleum, 22 W. 37th, New York.
tcover, H. W., architect, Nat. Bk. Bldg., Savannah, Ga.
tenberg Mfg. Co., canvas gloves, Tacoma, Wash.
tham Co., machsts., Hoosick Falls, N. Y.
tham, G. S., & Son, axe mfrs., cant-dogs, Caratunk, Me.
therbee Igniter Co., machsts., 1904 Broadway, New York.
therbee, Sherman & Co., iron ores, 2 Rector, New York.
therbee Storage Battery Co., Inc., 643 W. 43rd, New York.
therell, L. M., & Sons, contractors, Taunton, Mass.
therow Steel Co., bars, Keystone bldg, Pittsburgh, Pa.
thers, B. F., masons' & bldrs.' matls., Charlotte, N. C.
thers Fdry. & Mach. Wks., Atlanta & Cartersville, Ga.
itherspoon-Englar Co., contractors, 53 W. Jackson blvd., Chicago, Ill.
they Bros., carriages, Springfield, Ill.
they, Henry F., architect, 321 W. 3rd, Los Angeles, Cal.
thington, C. W., machinist, 416 2d, San Francisco, Cal.
throw Mfg. Co., baby carriages, 2727 Spring Grove av, Cincinnati, Ohio.
tker Mfg. Co., sashes, doors & blinds, Toledo, Ohio.
tt, Aug., contractor, 913 S. Western, Chicago, Ill.
tt & Brown, cornices, windows, 215 W. 3d, Cincinnati, Ohio.
tt Cornice Co., 2118 Winchell av, Cincinnati, Ohio.
tt, Ferdinand, architect, 569 5th av, New York.
tt, G. E., Co., machinist, 862 Howard, San Francisco, Cal.
tt, S. W. & J. W., flour mills, Nellyford, Va.
tt, Seibert & Co., architects, Texarkana, Ark.
tt-Will Co., automobile bldrs., 52 N, N. E., Washington, D. C.
tte, Alexis, Cutlery Co., razor cases, etc., 36 Erasmus, B'klyn, N. Y.
tte Engine Works, distillate engines, portable saw rigs & shafting couplings, 16th & Oakland, Kansas City, Mo.
tte, Francis T., Hardware Co., 106 Chambers, New York.
tte, Gustave, Jr., brick, Hika, Wis.
tte Hardware Co., 706 N. 3d, St. Louis, Mo.
tte, J. C., Mfg. Co., desk mfrs., 30 E. Henn av, Minneapolis, Minn.
ttel, E. S. & Son, lbr., & wood handles, Shortleaf, Ala.
ttemann Bros., machsts., 41 Ferris, Brooklyn, N. Y.
ttemann Co., machsts., 842 Elk, Buffalo, N. Y.
ttemann, Lewis, Aircraft Co., Inc., Feterboro, adjacent to Hasbrouck Hts. Sta.
ttemeir's, F., Sons, corn & whisk brooms, Fort Hunter, N. Y.
tten, B. V., & Sons, masons' & bldrs.' matls., Byesville, O.
tter, Jno., brick, Bucyrus, Ohio.
ttich, Hy., Carriage & Wagon Co., 1222 N. 7th, St. Louis, Mo.
ttig, A. F., contractor, 2554 Bailey av, Buffalo, N. Y.
ttig, F., & Co., charcoal, 36th & Greenfield av, Milwaukee, Wis.
ttkowsky, H., carriages, 203 E. 88th, New York.
ttman, N. B., & Co., iron ore, Commercial Trust Bldg., Phila., Pa.
tts & Witts, common brick, Sullivan, Ill.
tty, Chas. H., & Co., cotton damasks, Wayne & Berkley, Philadelphia, Pa.
tty, Wm. C., carriages, New Brunswick, N. J.
ix, Chas., & Co., paint mfrs., 45 Vesey, New York.
izard Electric Lamp Co., 147 New Montgomery, San Francisco, Cal.
izard Products Co., mops, 1444 W. 37th, Chicago, Ill.
obosel, Matthew, stone producers, De Pere, Wis.
oburn Degreasing Co., Woburn, Mass.
oburn Gear Works, Woburn, Mass.
oburn Iron Foundry, Woburn, Mass.
oburn Leather Co., patent & enameled leather, Woburn, Mass.
oburn Machine Co., Woburn, Mass.
ocher, H. M., & Son, varnish mfrs., 1222 W. College av, Phila., Pa.
ocher, Max, & Son, Co., surgical & dental instruments & hospital furniture, 19 W. 6th, Cincinnati, Ohio.
odrich & Son, contractors, Metropolitan Life Bldg., Minneapolis, Minn.
odtli, Fred., lbr., Foster, Ore.
oeber Car & Mfg. Co., Denver, Colo.
oeber Carriage Works, Davenport, Iowa.
oeck & Behrens, contractors, Arcade Bldg., Seattle, Wash.
oehler, Geo., brick, Haubstadt, Ind.
oelfel Leather Co., Morris, Ill.
oelkers, Herman J., & Co., contractors, Scranton, Pa.
oerfel, Adolph, brick, Manitowoc, Wis.
oerman Constr. Co., Syndicate Trust bldg, St. Louis, Mo.
Woerner, Adolph, architect, 3166 Lincoln av, Chicago, Ill.
Woerner, F. J., architect, Sumpter Bldg., Dallas, Tex.
Woerner, M. N., mattresses, 616 Blackhawk, Chicago, Ill.
Wogaman Bros. Co., machinists, Greenville, Ohio.
Wogan, Maurice A., contractor, 1st Nat. Bk. Bldg., Denver, Colo.
Wohl, M. J., & Co., arc lamps, 211 Fulton, Brooklyn, N. Y.
Wohlberg, L., 1664 Boone av, New York.
Wohleb, J. H., architect, Olympia, Wash.
Wohlfeld S., & Bro., auto trunks, 538 N. 3d, Phila., Pa.
Wohlpart, Adolph P., architect, 2 W. 45th, New York.
Wohlsen, Herman F., contractor, Lancaster, Pa.
Wohlsen Planing Mill Co., sash, door & blind, 417 N. Mulberry, Lancaster, Pa.
Wojahn, Erick, architect, 3592 E. K., Tacoma, Wash.
Wolcott Brick & Drain Tile Co., Wolcott, Ind.
Wolcott Bros., lbr. mfrs., Manchester, Ia.
Wolcott, J. F., & Co., flour mills, South Carrollton, Ky.
Wold Air Brush Mfg. Co., 716 W. Madison, Chicago, Ill.
Wold, C. L., Co., contractors, 75 Sutter, San Francisco, Cal.
Wold, Torris & Co. See Cameron Can Machy. Co. (successor).
Woldert, Alex. & Co., canned gds. & nut crackers, Tyler, Tex.
Woldert Grocery Co. See Woldert, Alex., Co. (successor).
Wolf, A. C., architect, Swetland Bldg., Cleveland, Ohio.
Wolf Bros., press papers & boards, 330 N. 12th, Phila., Pa.
Wolf Bros., Tent & Awning Co., Omaha, Neb.
Wolf, C. K., gate hinges, Xenia, Ohio.
Wolf, Chas., masons' & bldrs.' matls., 204 Waverley av & Peshine, Newark, N. J.
Wolf, Clarence J., architect, 3 S. 3d av, Mount Vernon, N. Y.
Wolf & Co., advtg. nov. & spec., Franklin Bank Bldg., Phila., Pa.
Wolf Co., flour mill machinery, Chambersburg, Pa.
Wolf & Co., scrap iron, Hamilton, Ohio.
Wolf Concrete Constr. Co., 290 Palisade av, Bridgeport, Conn.
Wolf Creek Soap Wks., Dayton, Ohio.
Wolf Elec'l Promoting Co., cutting machs. for fabrics, 5th & Sycamore, Cincinnati, O.
Wolf Envelope Co., E. 22d & Payne av, Cleveland, Ohio.
Wolf & Ewing Construction Co., Hume-Mansur Bldg., Indianapolis, Ind.
Wolf, F. H., Brick Co., 1437 Central av, Detroit, Mich.
Wolf, Fred W., Co., mill & facty. supplies, 800 N. Clark, Chicago, Ill.
Wolf, Geo. B. Mc., contractor, Hagerstown, Md.
Wolf, Henry F., machst. & fndr., Plymouth, Wis.
Wolf, Herman & Co., varnish mfrs., 214 W. Liberty, Cincinnati, Ohio.
Wolf, Jacques, & Co., chemicals, alizarine assistant, Passaic, N. J.
Wolf, John M., Co., stove polish, 742 Flushing av, Brook'n, N. Y.
Wolf, Leon L., Paint Co., 304 Lincoln Inn Ct, Cincinnati, Ohio.
Wolf, Louis, stone producers, Berlin, Pittsburgh, Pa.
Wolf Mach. Co., sash operating device, Dayton, Ohio.
Wolf Mfg. Co., harness mfrs., Quincy, Ill.
Wolf Milling Co., flour, Ellinwood, Kans.
Wolf, Paul E., Bedding Co., mattresses, Ft. Wayne, Ind.
Wolf, Penrose, lumber, Rockwood, Pa.
Wolf River Paper & Fiber Co., Shawano, Wis.
Wolf River Lbr. Co., Antigo, Wis.
Wolf Safety Lamp Co. of Am., 227 Grand av, Brooklyn, N. Y.
Wolf, Sayer & Heller, slicing & talking machines, presses, etc., Fulton & Peoria, Chicago, Ill.
Wolf, W., & Sons, cotton waste, 549 Atlantic av, Boston, Mass.
Wolfberg, Jacob, mattresses, Altoona, Pa.
Wolfe, Arthur C., brick, Mount Vernon, Ohio.
Wolfe Brush Co., brush mfrs., 1805 Beaver av, Pittsburgh, Pa.
Wolfe, C. M., contractor, Fremont, Ohio.
Wolfe, Chas. E., architect, Pomona, Cal.
Wolfe, D. M., Co., contractors, 7827 Hamilton av, Pittsburgh, Pa.
Wolfe, F. D., architect, Anzerais Bldg., San Francisco, Cal.
Wolfe, F. L., contractor, Two Rivers, Wis.
Wolfe, J. N., sashes, doors & blinds, Bogota, N. J.
Wolfe & Higgins, architects, Azerais bldg, San Jose, Cal.
Wolfe, Ira T., architect, 5231 11th av, N. E., Seattle, Wash.
Wolfe & Jelson, contrs., West Orange, N. J.
Wolfe Lbr. & Hdwe. Co., whol. hdwe., 2299 Folsom, San Francisco, Cal.
Wolfe, M. L., Auto. Co., machsts., Knoxville, Tenn.
Wolfe, Matt W., Carrollton, Ohio.
Wolfe, R. H, & Son, flour mills, Georgetown, Ky.
Wolfe, T. B., architect, Perrysville av, Pittsburgh, Pa.
Wolfe, W. S., machinist, Wilson, Kans.
Wolfenden, Daniel, mill & facty. supplies, 232 Arch, Phila., Pa.
Wolfersheim, H. H., contr., Downers Grove, Ill.
Wolff Bros., contrs., Jefferson City, Mo.
Wolff, Chas., Packing Co., Topeka, Kans.
Wolff, E. M., & Co, granite producers, Mansfield, Ohio.
Wolff, Fred'k E., printing inks, 607 S. Dearborn, Chicago, Ill.
Wolff, Herman, architect, 432 4th av, New York.
Wolff, Kubley & Hirsig, cornices, Madison, Wis.
Wolff, L., Mfg. Co., plumbers' supplies, jobbers', 111 N. Dearborn, Chicago, Ill.
Wolff Mfg. Co., torches, 255 N. Hoyne av, Chicago, Ill.
Wolff, L. A., Metal Works, babbitt metal, etc., 1257 Harrison av, Cincinnati, Ohio.
Wolff Metal Co., 1803 John, Cincinnati, Ohio.
Wolff Milling Co., flour, New Haven, Mo.

Wolff, Philip, & Son, contractors, 17 Wright, Stapleton, N. Y.
Wolff, Wm. D., & Co., heating contrs., 108 S. 13th, Newark, N. J.
Wolfington's, Alex., Son, carriages, 8 N. 20th, Philadelphia, Pa.
Wolflin-Luhring Co., lbr. mfrs., Evansville, Ind.
Wolfschlag, Jos. A., machsts. & fndrs., 456 Pearl, New York.
Wolfshum & Sachs, jewelry cases, 35 Maiden la, New York.
Wolfson Bros. Umbrella Co., 392 B'way, New York.
Wolfsteiner Co., cornices & skylights, 1315 W. W. W., Waterbury, D. C.
Wolins & Bull, Inc., contrs., 214 Fulton, New York.
Woll, F. P. & Co., curled hair, Church & Tacony, Phila., Pa.
Woll, Peter, & Sons Mfg. Co., curled hair, bristles, Mascher & Berks, Philadelphia, Pa.
Wollaeger Mfg. Co., store fixtures & furniture, 28 Junean av., Milwaukee, Wis.
Wollaston Fndry. Co., semi-steel castings, Quincy, Mass.
Wollensak Optical Co., Rochester, N. Y.
Wollenweber, O., Co., lumber mfrs., White Bldg., Seattle, Wash.
Wollet, E. E., lbr., Littletown, N. C.
Wolmark Chem. Co., essential oils, 17 E. 14th, New York.
Wolsh Boiler & Iron Wks., tanks & boilers, 221 Liberty, Springfield, Mass.
Wolstencroft Felt Mfg. Co., Mulberry & Bridge, Phila., Pa.
Wolters Bros., brick, Atchison, Kans.
Woltersdorf, Arthur. See Woltersdorf & Bernard (successor).
Woltersdorf & Bernard, architects, 138 N. La Salle, Chicago, Ill.
Wolterstorff Range Co., 66 E. 3d, St. Paul, Minn.
Woltman Carriage & Wagon Co., Woodland av, Cleveland, Ohio.
Woltz, Jas. W., architect, Waynesboro, Pa.
Wolverine Brass Works, plumbers' supplies, Grand Rapids, Mich.
Wolverine Burial Cast Co., coffins, etc., 680 E. Congress, Detroit, Mich.
Wolverine Leather Goods Co., Jefferson & Case avs, Detroit, Mich.
Wolverine Lubrts. Co. of New York, 44 Whitehall, New York.
Wolverine Lbr. Co., Bay City, Mich.
Wolverine Mch. Wks., Saginaw, Mich.
Wolverine Motor Wks., machsts., Bridgeport, Conn.
Wolverine Paper Co., Otsego, Mich.
Wolverine Portland Cement Co., Coldwater, Mich.
Wolverine Saw Co., 66 E. Fort, Detroit, Mich.
Wolverine Soap Co., Portland, Mich.
Wolverine Supply & Mfg. Co., machsts. & fndrs., Page & Fontella, Pittsburgh, Pa.
Wolverine Temperature Regulator Co., thermostats, Marshall, Mich.
Wolverine Tube Co., seamless brass & copper tubing, 33rd & McGraw, Detroit, Mich.
Wolverton Mfg. Co., rat traps, Hoton, Kans.
Womack, A. L., Co., canned goods, Bristol, Tenn.
Womack, C. W., & Co., contractors, Lynchburg, Va.
Womble, Pembroke M., lbr. mfrs., Elliott & Inwood av, Baltimore, Md.
Womble's, J. G., Sons, whole. hdwe., Norfolk, Va.
Wonder Mfg. Co., machsts., Syracuse, N. Y.
Wonder Spool Co., tex. machy., supplies, etc., 13 Wormwood, Boston, Mass.
Wonder Talking Mach. Co., 105 E. 12th, New York.
Wonderly, Abner H., machsts. & fndrs., 621 Commerce, Philadelphia, Pa.
Wondermist Co., floor & furniture polish, 261 Franklin av, Boston, Masss.
Wondertone Phonograph Co., talking machines, 19 W. Jackson blvd, Chicago, Ill.
Wood, A. A., & Sons Co., tools & machy., Atlanta, Ga.
Wood, A. C., textile machinery supplies, Advance, N. C.
Wood, A. M., Co., lbr., Charlestown, Boston, Mass.
Wood, A. M., & Co., scrap iron & steel, Finance Bldg., Phila., Pa.
Wood Alan Iron & Steel Co., iron rolling mill, Conshohocken, Pa.
Wood & Allison, brick, Haverstraw, N. Y.
Wood, Arthur W. B., architect, 103 Park av, New York.
Wood & Bishop Co., furnaces, etc., Bangor, Me.
Wood & Bradney, architects, 19 W. Huron, Buffalo, N. Y.
Wood, Brightman & Co., cornices, skylights & plumbers' supplies,, New Bedford, Mass.
Wood Brothers, fertilizer, Conyers, Ga.
Wood Bros., masons' & bldrs.' matls., Linwood Station, Pa.
Wood Bros. Thresher Co., Des Moines, Ia.
Wood, C. D., Elec. Co., lamps, flashlights, etc., 441 B'way, New York.
Wood, C. H., Co., mill & facty. supplies, machy. dlrs., Syracuse, N. Y.
Wood, C. L., masons' & bldrs.' matls., Piqua, Ohio.
Wood, C. W., masons' & bldrs.' matls., Andover, Ohio.
Wood, Calvin, brass composite fundrs., Laconia, N. H.
Wood, Chas. N., Co., electric railway specialties, 14 Federal, Boston, Mass.
Wood, Chas. R., architect, E. 2313 5th av, Spokane, Wash.
Wood, Clarence W., plate & leaded glass, Syracuse, N. Y.
Wood-Detroit Mfg. Co., bronze business signs, bronze memorial tablets, bronze name plates, Marquette Bldg., Detroit, Mich.
Wood Drill Wks., machsts., Paterson, N. J.
Wood, E. K., Lumber Co., East Oakland, San Francisco, Cal.
Wood, E. M., architect, Alma, Mich., & 126 N. 8th, Quincy, Ill.
Wood, Edw. J., Clarksburg, W. Va.
Wood Equipment Co., rotary pumps, 1220 E. 75th, Chicago, Ill.
Wood, Ewing, Iron Works, Portland, Ore.
Wood, F. A., cornices & skylights, Skowhegan, Me.
Wood, F. B., contractor, 64 Gibson, Detroit, Mich.
Wood, Frank V., wood handles, Valley City, Ohio.
Wood, G. E., Tool Co., hdwe. mfrs., Plantsville, Conn.
Wood, Geo. E., architect, 103 Park av, New York.
Wood, Geo. E., Lumber Co., 230 S. La Salle, Chicago, Ill.
Wood, Geo. H., architect, Everett, Mass.
Wood, Geo. H., Corp., rubber cements, 146 Summer, Boston, Mass.
Wood Glass Co., Syracuse, N. Y.
Wood, H. C., Co., contractors, North Adams, Mass.
Wood, H. H., & Co., socks—lumbermen's, Lakeport, N. H.
Wood & Hare, glue, cements, 66 Leonard, New York.
Wood, Harry I., Co., elec. & gas light fix. mfrs., Louisville, Ky.
Wood Hydraulic Hoist & Body Co., 1026 Bellevue, Detroit, Mich.
Wood & Iverson, lumber, Hobart, Wash.
Wood, J., & Bros. Co., iron rolling mills, Conshohocken, Pa.
Wood, J. Early, Inc., permanganate sodium, 21 Platt, New York.
Wood, J. Edwin, Co., steam fitters' supplies, Charlottesville, Va.
Wood, J. J., & Son, contractors, Elwood, Ind.
Wood, J. R., Supply Co., mill & facty. supplies, 917 B'way, Cincinnati, Ohio.
Wood, J. W., Elastic Web Co., shock absorbers, 45 E. 17th, New York.
Wood, J. W., Elastic Web Co., 181 N. Lake, Chicago, Ill.
Wood, Jas. A., lumber, Ames Bldg., Boston, Mass.
Wood, Jas. H., lbr., Calico Rock, Ark.
Wood, Jas. M., architect, Wilmette, Ill.
Wood, Jas. P., Htg. Co., 239 N. 4th, Philadelphia, Pa.
Wood, John A., & Son Co., masons' & bldrs.' matls., Lawrence, N. Y.
Wood, John, Iron Wks., Portland, Ore.
Wood, Jno., Mfg. Co., machsts. & fndrs., Conshohocken, Pa.
Wood, L. M., architect, 629 Kansas av, Topeka, Kans.
Wood, L. S., contractor, Springfield, Mass.
Wood, Lumber & Coal Co., masons' & bldrs.' matls., Chester, Pa.
Wood, Lyman, Mfg. Co., machsts. & fndrs., Racine, Wis.
Wood Mfg. Co., auto. lamps, searchlights or projectors, Fairfield, Conn.
Wood, Morris, & Son, machsts., 5108 W. Lake, Chicago, Ill.
Wood-Mosaic Co., parquet flooring, 130 W. 42d, New York, & New Albany, Ind.
Wood, N. A., canned goods, Troutville, Va.
Wood, P. D., & Co., masons' & bldrs.' matls., Warrenton, Va.
Wood Products Co., alcohol, Buffalo, N. Y.
Wood Pump Co., 375 Central, Los Angeles, Cal.
Wood, R. D., & Co., engineers, iron fndrs., machsts—multiple punching machs., 400 Chestnut, Philadelphia, Pa.
Wood, R. E., Lumber Co., Continental Trust Bldg., Baltimore, Md.
Wood-Russ Lbr. Co., Red Lick, Miss.
Wood, S. C., & Son, elastic hosiery, Pittsfield, Mass.
Wood, S. L., stoves, 1249 S. Figueroa, Los Angeles, Cal.
Wood, S. W., Engine Co., Clyde, N. Y.
Wood & Safford Mach. Wks., cylinder grinders & piston rings, Great Falls, Mont.
Wood & Selick, paste, 36 Hudson, New York.
Wood Shovel & Tool Co., Piqua, Ohio.
Wood, Smith & Co., machsts., Chicago Heights, Ill.
Wood & Spencer Co., machsts. & fndrs., 1930 E. 61st, Cleveland, Ohio.
Wood, Stubbs & Co., fertilizer mfrs., Louisville, Ky.
Wood, T. B., Sons Co., power transmission machy., Chambersburg, Pa.
Wood, T. C., Hardware Co., Rhinelander, Wis.
Wood, T. H., Co., fish line mfrs., South Coventry, Conn.
Wood, Theo. C., masons' & bldrs.' matls., 613 Greenwich, New York.
Wood, Thos., stone, Montclair, N. J.
Wood Turret Mach. Co., Brazil, Ind.
Wood & Van Derwerken Varnish Co., 33 Wythe av, Brooklyn, N. Y.
Wood, Vest & Co., masons' & bldrs.' matls., Charlottesville, Va.
Wood, W. A., Co., lubrg. oils, 373 Atlantic av, Boston, Mass.
Wood, W. C., Lumber Co., Collins, Miss.
Wood, W. E., Co., contractors, Ford Bldg., Detroit, Mich.
Wood, W. E., Co., steam fitters' supplies, 18 N. Howard, Baltimore, Md.
Wood, W. G., & Son, canned goods, Roanoke, Va.
Wood, W. H., machst., Media, Pa.
Wood, W. J., naval archt., 140 W. Van Buren, Chicago, Ill.
Wood, W. Wilton, masons' & bldrs.' matls., Huntington, N. Y.
Wood, Waddy B., architect, 816 Conn. av., N. W., Washington, D. C.
Wood, Walter A., Mowing & Reaping Machine Co., Hoosick Falls, N. Y.
Wood, Wm. F., & Son, lenses, South Coventry, Conn.
Wood, Wm. H., Lbr. Co., Cambridge, Mass.
Wood, Williston P., lumber, Grand Valley, Pa.
Wood Workers' Tool Wks., knives, 230 S. Clinton, Chicago, Ill.
Wood Working & Stair Building Co., sash, door & blind, Williamsport, Pa.
Woodall Mfg. Co., machsts. & fndrs., Davenport, Ia.
Woodall, Wm. E., & Co., ship bldrs., ft. of Woodall, Baltimore, Md.
Woodard Machine Co., mfrs. Canton-Hughes pumps, etc., Wooster, Ohio.
Woodard & Wright Last Co., wooden shoe lasts, Brockton, Mass.

Woodason, Thos., blacksmiths' bellows, 2900 D., Philadelphia, Pa.
Woodbridge Clay Products Co., fire clay, Perth Amboy, N. J.
Woodbridge, F. L., Box Co., Brockton, Mass.
Woodbridge Pottery Co., Woodbridge, N. J.
Woodbridge, S. Homer, consltg. htg. engr., 171 Newbury, Boston, Mass.
Woodburn Lumber Co., Woodburn, Ind.
Woodburn Tile & Brick Co., Woodburn, Ind.
Woodbury & Co., cameras, Worcester, Mass.
Woodbury, Geo. E., ore concentrators, 238 Townsend, San Francisco, Cal.
Woodbury Glass Co., glass bottles, Winchester, Ind.
Woodbury Granite Co., granite producers & workers, Hardwick, Vt.
Woodbury, I. F., & Sons Co., contractors, 185 Summer, Boston, Mass.
Woodbury Label Co., mfrs., Woodstock, Vt.
Woodbury Mill & Lumber Co., sash, door & blind, Woodbury, N. J.
Woodbury Oil Mills, Woodbury, Ga.
Woodbury & Stuart, architects, 581 Boylston, Boston, Mass.
Woodcock, A. B., blankets, flannels, woolen, Waterside, Pa.
Woodcock Bros., granite, Barre, Vt.
Woodcock Bros., mill & facty. supplies, 562 W. Randolph, Chicago, Ill.
Woodcock, Clarence, contractor, Burlington, Ia.
Woodcock, M. E., lbr., Edwards, N. Y.
Woodcock, O. P., contractor, Jacksonville, Fla.
Woodcox, I. N., & Son, mill & facty. supplies, Piqua, Ohio.
Wooddul, Geo. E., contr., Gridley, Ill.
Wooden Ventilator Co., East Palestine, Ohio.
Woodfall Bros., smelters & refiners, 1105 Fairmount av., Phila., Pa.
Woodford, H. W., lumber mfrs., Avon, Conn.
Woodhead Lbr. Co., Los Angeles, Cal.
Woodhouse Chain Wks., Trenton, N. J.
Woodhouse, J. S., Co., agricultural implements, 191 Water, New York.
Woodhouse, John H., sash, door & blind mfr., 1 Bishop, Jersey City, N. J.
Woodhouse Mfg. Co., water towers, hose carts, etc., 64 W. B'way, New York.
Woodhouse, Sam'l F., varnish, color mfr., etc., Unity & Franklin, Phila., Pa.
Woodhouse, Wm., Chain Mfg. Co., chain manfrs., Edgely-Bucks Co., Pa. *See adv. index at end of book.*
Woodin & Little, mill & facty. supplies—engines, etc., 33 Fremont, San Francisco, Cal.
Wooding, C. F., & Co., Wallingford, Conn.
Woodison, E. J., Co., parting compounds, fire brick & fndry. requisites, 1621 St. Aubin av., Detroit, Mich.
Woodland Mfg. Co., coffins, George, N. C.
Woodlawn Metal Co., scrap brass, copper, etc., 332 W. 26th, New York.
Woodlawn Mill & Boom Co., Hoquiam, Wash.
Woodlawn Repair Co., machsts., 6132 Cottage Grove av, Chicago, Ill.
Woodley Slate Co., Bangor, Pa.
Woodley Soap Mfg. Co., 33 Norfolk av, Rox., Boston, Mass.
Woodley, Wm. T., contractor, 6 N. Clark, Chicago, Ill.
Woodlife Co., shingle stains, 262 Fulton, Brooklyn, N. Y.
Woodman, R., Mfg. & Supply Co., badges & emblems, 82 Sudbury, Boston, Mass.
Woodmanse Mfg. Co., machsts. & fndrs., Freeport, Ill.
Woodmansee, F. A., inks, paste, etc., 117 E. Pearl, Cincinnati, O.
Wood Newspaper Machy. Corp., Plainfield, N. J.
Woodnutt, C. E., contractor, Williamsport, Pa.
oodoleum Mfg. Co., sanitary flooring, Liberty Bldg., Philadelphia, Pa.
oodring, Jeremiah, & Co., whol. hdwe., mill & facty. supps., Hazelton, Pa.
oodroofe, Arnott, architect, Potlach Lumber Co., Spokane, Wash.
oodroofe, A., architect, Berlin Bldg., Tacoma, Wash.
oodroofe, Griffin & Hill, architects, Tacoma Bldg., Tacoma, Wash.
oodrow Mfg. Co., elec. washing machines, Newton, Iowa.
oodruff, C. Curtis, & Co., contractors 211 10th, Long Island City, N. Y.
oodruff Cotton Mills, Woodruff, S. C.
oodruff & Edwards Co., archl. & ornmtl. iron, Elgin, Ill.
oodruff, H. B., architect, 333 4th av, New York.
oodruff, John T., & Son, contractors, 1 Bridge Plaza, Long Island City, N. Y.
oodruff Lbr. Co., Duluth, Minn.
oodruff Machy. Mfg. Co., machsts. & fndrs., Winder, Ga.
oodruff Oil & Fertz. Co., meal, Woodruff, S. C.
oodruff Planing Mill Co., Cadiz, Ky.
oodruff, S. D., & Sons, fertilizer mfrs., Orange, Conn.
oodruff, W. W., Hardware Co., Knoxville, Tenn.
oodruff, W. W., & Sons Co., hdwe. mfrs., machsts. & fndrs.—felloe plates, Mount Carmel, Conn.
oods, A. W., architect, Ganter Bldg., Lincoln, Neb.
od's, Beder, Sons Co., masons' & bldrs.' matls., Moline, Ill.
oods Bros., Silo & Mfg. Co., Lincoln, Neb.
oods, C. E., & Son, masons' & bldrs.' matls, Keene, N. H.
Woods & Co., wooden tanks, 59 Park pl, New York.
Woods Cross Canning Co., Woods Cross, Utah.
Woods & Down, pckg. box mfrs., 13th & Mullanphy, St. Louis, Mo.
Woods, Edwin S., & Co., side bearings, 332 S. Michigan av, Chicago, Ill.
Woods Engineering Co., grinders, milling mach. attachments, rip saw & special machy., Alliance, Ohio.
Woods-Evertz Stove Co., Springfield, Mo.
Woods, F. C., & Co., fishing tackle, mfrs., Alliance, Ohio.
Woods, Frank W., architects, 212 Union, Providence, R. I.
Woods & Golder Constr. Co., New Castle, Pa.
Woods & Hansen, mill & facty. supplies, Taft, Cal.
Wood's, Henry, Sons Co., yellow chrome, Wellesley, Mass.
Woods, Huddart & Gunn, steel reinforcing bars, 444 Market, San Francisco, Cal.
Wood's, I. B., Sons Co., power transmission machy., Chambersburg, Pa.
Woods, J. Lee, & Son, contrs., Wheeling, W. Va.
Woods, J. S., foods (cereal, prepared, etc.), Fredericksburg, Va.
Woods, James C., architect, 852 S. W. Temple, Salt Lake City, Utah.
Woods & Jensen, architects, Ogden, Utah.
Woods, Lewis H., Constr. Co., Canal & B'way, New York.
Woods-Lloyd Co., crucible mfrs., S. 30th & Jane, Pittsburgh, Pa.
Woods Mobilette Co., automobile bldrs., 2007 S. Michigan av., Chicago, Ill.
Woods Motor Vehicle Co., storage battery trucks, 2515 Calhnall, Chicago, Ill.
Woods, S. A., Mach. Co., woodworking machy. mfrs., 27 Damrell, Boston, Mass.
Woods-Sherwood Co., bright wire goods, Worcester, Mass
Woodsboro Canning Co., Woodsboro, Md.
Woodsend, Hy. E., architect, 92 5th av, New York.
Woodside Cotton Mills Co., damasks, Greenville, S. C.
Woodside Elec. Shops Co., Metuchen, N. J.
Woodside Mfg. Co., elastic webbing, 210 Sylvan, Newark, N. J.
Woodside Sterling Co., nov., 170 B'way, New York.
Woodson, E. J., Co., parting compounds, fire brick & fdry. requisites, 1621 St. Aubin, Detroit, Mich.
Woodson & Graves. See Southern Stave & Lumber Co. (successor).
Woodson, J. B., flour mills, Lowesville, Va.
Woodson Lbr. Co., Woodson, Va.
Woodstock Cotton Mills, Anniston, Ala.
Woodstock Lbr. Co., 131 State, Boston, Mass.
Woodstock Mfg. Co., box shooks, etc., Charleston, S. C.
Woodstock Oil & Fertilizer Co., Woodstock, Ga.
Woodstock Operating Corp., blast furnaces, Anniston, Ala.
Woodstock Typewriter Co., 35 N. Dearborn, Chicago, Ill.
Woodstown Ice & Cold Storage Co., masons' & bldrs.' matls., Woodstown, N. J.
Woodtite Laboratories, wood preservatives, Modesto, Cal.
Woodville Lime Products Co., 622 Madison av, Toledo, Ohio.
Woodville Oil Co., fertilizer mfrs., Woodville, Ga.
Woodward, A. H., Co., masons' & bldrs.' matls., 128 Passaic, Newark, N. J.
Woodward, C. T., masons' & bldrs.' matls., Carlinville, Ill.
Woodward & Cochey, furniture binding, Lynn, Mass.
Woodward Co., machsts., Fresno, Cal.
Woodward Co., whol. hdwe., Albany, N. Y.
Woodward, Frank E., & Co., htg. contrs., 19 Friend, Boston, Mass.
Woodward Governor Co., Rockford, Ill.
Woodward Hardware Co., Cairo, Ill.
Woodward, I. L., contr., Ottawa, Ill.
Woodward Iron Co., Woodward, Ala.
Woodward, Jno. C., architect, Council Bluffs, Ia.
Woodward, John, & Co., contractors, Atlantic Highlands, N. J.
Woodward Lumber Co., Augusta, Ga.
Woodward Mach. Co., Hudson, Mass.
Woodward & Powell Planer Co., planing machines, Worcester, Mass.
Woodward & Son, lbr., Richmond, Va.
Woodward & Stein, cornices & skylights, Spokane, Wash.
Woodward-Tiernan Printing Co., advertising novelties, St. Louis, Mo.
Woodward Truck Attachment Co., Los Angeles, Cal.
Woodward-Wagner Co., plugs, washers, brass elbows & brushings, etc., 1106 Spring Garden, Phila., Pa.
Woodward & Walker, lbr., Dubberly, La.
Woodward, Wight & Co., Ltd., mill & factory supplies, ship chandlers, etc., Howard av & Constance, New Orleans, La.
Woodwell, Jos., Co., mill & facty. supplies—whol. hdwe., 207 Wood, Pittsburgh, Pa.
Woodworkers' Mfg. Co., universal woodwkg. machy., 96 Brush, Detroit, Mich.
Woodworkers' Mfg. Co., universal, 96 Bush, Detroit, Mich.
Woodworkers Tool Works, 222 S. Jefferson, Chicago, Ill.
Woodworth & Jenney Co., contrs., New London, Conn.
Woodworth Knife Wks., Nunda, N. Y.
Wool, F. G. Packing Co., canned goods, San Jose, Cal.
Woolbert, Chas. W., machsts & fndrs., Elmer, N. J.
Woolcott Flour Mills, Lexington, Ky.
Wooldridge Bros., masons' & bldrs.' matls., Versailles, Ky.
Wooldridge, Robt. A., Co., fertilizer mfrs., Fidelity Bldg., Baltimore, Md.

Wooley, J., Coal Co., Evansville, Ind.
Wooley, Jno. E., & Sons, plbrs. supplies, Evansville, Ind.
Woolf Laboratories, Inc., disinfectants, 230 Greenwich, New York.
**Woolford, G., Wood Tank Mfg. Co., 1429 Chestnut, Phila., Pa.**
**Woolford, N. B., Oakum Co., 601 S. Luzerne av, Baltimore, Md**
Woolford Packing Co., canned goods, Washington & Aliceanna, Baltimore, Md.
**Woolford & Thomas, scrap iron, 1726 Thames, Baltimore, Md.**
Woollett, John W., architect, First Nat'l Bk. Bldg., Oakland, Cal.
**Woolley, A. S., Co., fertilizer mfrs., Seaford, Del.**
Woolley, Douglas W. (elec. fuses, elec. knife switches, etc.), 117 B'way, New York.
**Woolley, G. C., Co., lubrg. oils & greases, 502 E. 20th, New York.**
**Woolley, Geo., & Co., contractors, Long Branch, N. J.**
**Woolley Hardware Co., 44 Asylum, Hartford, Conn.**
Woollitt & Woollitt, architects, 1003 K, Sacramento, Cal.
**Woolner & Co., acids, Peoria, Ill.**
**Woolner Distilling Co., Peoria, Ill.**
Woolling, K. K., architect, Indi Pythian, Indianapolis, Ind.
**Woolner, W. C., landscape arch., 131 State, Boston, Mass.**
Woolsey, C. A., Paint & Color Co., 490 Grand, Jersey City, N. J.
Woolsey, Heathcothe M., architect, 4 E. 39th, New York.
Woolson, James B., umbrella mountings, Watertown, Conn.
Woolston, Chas. T., carriages, Riverton, N. J.
Woolwine Metal Products Co., sheet metal products, canteens etc., 8th & Santa Fe av, Los Angeles, Cal.
Woonsocket Brush Co., Woonsocket, R. I.
Woonsocket Lumber Co., Woonsocket, R. I.
Woonsocket Mach. & Press Co., Woonsocket, R. I.
Woonsocket Napping Machy. Co., Woonsocket, R. I.
Woonsocket Rubber Co., boots & shoes, Woonsocket, R. I.
Woonsocket Supply Co., mill & facty. supplies, Woonsocket, R. I.
**Wooster Brush Works, Wooster, O.**
Wooster, Chas. B., stone producers, Ansonia, Conn.
Wooster Machine Co., Wooster, Ohio.
Wooster Preserving Co., canned, Wooster, Ohio.
Wooster Shale Brick Co., Wooster, Ohio.
Wooten, L. E., contractor, Columbus, Ga.
Wooters, Wm. H., architect, 816 Allegheny av, Phila., Pa.
Wootten & Peckworth, machsts., 1122 Hamilton, Phila., Pa.
Worcester Abrasive Co., Worcester, Mass.
**Worcester Brass Co., Worcester, Mass.**
Worcester Brick Co., concrete tile roofing, Worcester, Mass.
**Worcester Brush & Scraper Co., Worcester, Mass.**
Worcester, C. H. See Greenwood Lbr. Co. (successor).
**Worcester China Co., Sebring, Ohio.**
**Worcester Counter Co., shoe welting, etc., Worcester, Mass.**
**Worcester Elastic Stocking & Truss Co., Worcester, Mass.**
**Worcester Elec. & Mfg. Co., machsts., Worcester, Mass.**
**Worcester Envelope Co., Worcester, Mass.**
**Worcester Fertilizer Co., Snow Hill, Md.**
Worcester Gear Wks., Inc., jobbing machsts., 33 N. Foster, Worcester, Mass.
**Worcester Lathe Co., Worcester, Mass.**
**Worcester Lawn Mower Co., grass catchers & lawn mowers, Worcester, Mass.**
**Worcester Loom Wks., machsts., 7 Summer, Worcester, Mass.**
Worcester Lbr. Co., Chassell, Mich.
**Worcester Lunch Car & Carriage Co., Worcester, Mass.**
Worcester Mach. Co., friction clutches, Worcester, Mass.
Worcester Machine Screw Co., Standard Screen Co., successors,, Worcester, Mass.
**Worcester Mfg. Co., door checks & tire vulcanizers, Worcester, Mass.**
Worcester Pattern & Model Co., grinders for woodworking tools, mfrs., 93 Foster, Worcester, Mass.
Worcester Polytechnic Institute, engng. school & coll., Worcester, Mass.
Worcester Pressed Steel Co., light & heavy metal stampings, Worcester, Mass.
Worcester, Richard H., engr., Seattle, Wash.
Worcester Rubber Co., Worcester, Mass.
Worcester Salt Co., 71 Murray, New York.
Worcester Stained Glass Wks., Worcester, Mass.
Worcester Stamped Metal Co., metal stampings, 9 Hunt, Worcester, Mass.
Worcester Tire Fabric Co., Worcester, Mass.
Worcester Wire Novelty Co., rat traps, Emerson Tower bldg, Baltimore, Md.
Wordell, E., & Son, cornices & skylight, ferrules, Taunton, Mass.
Worden-Allen Co., steel structural work, Pt. Washington rd., Milwaukee, Wis.
Worden Chemical Wks., 4 Cedar, New York.
Worden, G. G., architect, Kalamazoo, Mich.
Worden Ink & Mfg. Co., 132 Church, New York.
Worden, L. B., plumb rules, Penn Yan, N. Y.
Worden-Meeker Varnish Co., San Francisco, Cal.
Worden Tool Co., machine knives, 1854 Scranton rd, Cleveland, Ohio.
Worden, W. H., Co., machy. dlrs., 528 1st av, S, Seattle, Wash.
Worel Hdwe. Co., mill & facty. supplies, Manitowoc, Wis.
**Worel & Stangel, Co., whol. hdwe., Manitowoc, Wis.**
**Work, N. P., architect, Clinton, Ia.**
Work Organizer Specialties Co., 87 Jefferson av, Detroit, Mich.
Work, Robt., architect, 220 S. Michigan av, Chicago, Ill.
**Workman, H. B., Co., halters, straps, ties, etc., Lititz, Pa.**
**Workman, James & Son, carriages, Steubenville, Ohio.**
Workman Packing Co., 432 7th, San Francisco, Cal.
Worko Co., carbon removers, Racine, Wis.
World Beater Generator Co., acetylene, Kansas City, Mo.
World Film Corp., 126 W. 46th, New York.
World Fire-Proof Door Corp., window frames, etc., 145th & Southern blvd, New York.
**World Granite Co., East Barre, Vt.**
**World Mfg. Co., bath cabinets, 120 W. 3d, Cincinnati, Ohio.**
World Motor Co., airplane engines, Bloomington, Ill.
**World Polish Mfg. Co., shoe & furniture polish, York, Pa.**
World Refining Co., belt dressing, boiler compounds, oil, etc., Easton, Pa.
World's Fair Wrecking Co., stone, etc., 1559 Gest, Cincinnati, O.
**Worley Bros., cotton batting, Mohnton, Pa.**
Worley Hdwe. Co., whol., Reading, Pa.
**Worley, John, scientific instrument jewels, Waltham, Mass.**
**Worley & Nelson, contractors, Logan, Utah.**
**Worm & Co., meat packers, Ray & Dakota, Indianapolis, Ind.**
Wormser Glass Co., 2nd & Sylvan av, Pittsburgh, Pa.
**Worns & Kemp, refrigerator traps, 287 W. 127th, New York.**
Worrall, Wm. S., Jr. architect, Bridge Plaza N., Long Island City, N. Y.
Worrell Mfg. Co., disinfectants, 212 N. Main. St. Louis, Mo.
**Worrell, S. E., drying machs., Hannibal, Mo.**
**Worrman, E. W., lumber, Vickery, Ohio.**
Worst & Shepardson, architects, 344 Coulter Blk, Aurora, Ill.
Wortendyke Mfg. Co., toilet & bags paper, ft. 13th, Richmond, Va. *See adv. index at end of book*
**Worth, H. P., & Co., hdwe., 180 West, New York.**
Worth-More Polish Co., Inc., The, polish, 1306-08 N. Wells, Chicago, Ill. *See adv. index at end of book*
Worth Steel Co., plates, Claymont, Del.
**Worth Wire Wks., fence stays, Kokomo, Ind.**
**Worthington Ball Co., Elyria, Ohio.**
Worthington, Geo., architect, Keyser Bldg., Baltimore, Md.
Worthington, Geo., Co., whol. hdwe., 802-32 St. Clair av, N. W., Cleveland, Ohio.
Worthington Hardware Co., Staunton, Va.
Worthington, Hy. R., Co., machts., Harrison, N. J.
**Worthington Pump & Machy. Corp., power & mining mchy., 115 B'way, New York.** *See adv. index at end of book.*
Worthington & Raymond, jewelers' machy., 71 Murray, New York.
Worthington, Thos., 1st Nat. Bk. Bldg., Birmingham, Ala.
Worthington Water Tube Boiler Co., boiler mfrs., 30 Warren, New York.
Worthman & Steinbach, architects, 155 N. Clark, Chicago, Ill.
Worthy Paper Co. Ass'n, Mittineague, Mass.
Wortman, J. R., cornices, Shreveport, La.
Wostenholm, Geo., & Son, razors, knives, erasers, etc., 105 Chambers, New York.
Wotherspoon, Jas. R., fumigators, ovens, cans, etc., 238 N. Front, Philadelphia, Pa.
Wotherspoon Plaster Mills, 725 Vernon av, Long Island City, N. Y.
Woven Steel Hose & Rubber Co., Trenton, N. J.
Wozny, Bruno, architect, 381 Main, Springfield, Mass.
Wranck, Frank, pearl buttons, 15th av, Long Island City, N. Y.
Wray, Andrew J., granite producer, 328 S. Cherry, Richmond, Va.
Wray, Chas. H., architect, Rialto Bldg., St. Louis, Mo.
Wray, Hy., & Son, machsts. & fndrs., Rochester, N. Y.
Wray Mills Co., flour, Wray, Colo.
Wreisner Bros., machinists, Dassell, Minn.
Wren, Thos. E., & Co., contractors, Springfield, Ohio.
Wren, W. J., lumber, Wrens, Ga
Wrench, C. E., cornices, Detroit, Mich.
Wrenn, A., & Sons, carriages, Norfolk, Va.
Wrenn Paper Co., Middletown, Ohio.
Wrenn, Werner, architect, Lewis Bldg., Portland, Ore.
Wrenshall Brick Co., Wrenshall, Minn.
Wright, A. B., & Co., mill & facty. supplies, 230 Washington, Buffalo, N. Y.
Wright, Albert H, architect, 27 Kilby, Boston, Mass.
Wright & Alexander Co., mill & facty. supplies, Rochester, N. Y.
Wright, Alonzo D., architect, 40 State, Boston, Mass.
Wright-Austin Co., exhaust heads, filters, gauges, etc., 97 Woodbridge W., Detroit, Mich.
Wright, Barrett & Stillwell Co., wall boards, pads, etc., University & Hampden avs, St. Paul, Minn.
Wright, Benjamin F., contractor, Anderson, Ind.
Wright, Benjamin W., architect, Howard bldg, Providence, R. I.
Wright Bros. & Co., flour mills, Greenville, Mich.
Wright Bros. Hardware Co., Vicksburg, Miss.
Wright Bros. Lumber Co., Ltd., Coulee City, Wash.
Wright Bros. Paper Box Co., Fond Du Lac, Wis.
Wright, C. A., lbr., Peshastin, Wash.
Wright, C. T., Engine Co., machsts. & fndrs., Greenville, Mich
Wright, C. W., lumber, Allene, Ark.
Wright Canning Co., Aberdeen, Md.
Wright Carriage Body Co., Moline, Ill.
Wright, Chas., contractor, 517 2d, San Francisco, Cal.
Wright, Chas. H., architect, Provo City, Utah.

Wright, Chas. O., sash, door & blind mfrs., 3368 Elston av, Chicago, Ill.
Wright, Chas. W., bldg. contr., 23 Central av, Lynn, Mass.
Wright Chemical Co., 38 Park Row, New York, & Susquehanna, Pa.
Wright, Clark C., archit., 122 S. Michigan av, Chicago, Ill.
Wright & Craycroft, mouldings, 1448 W. 21st, Chicago, Ill.
Wright, Cruze Hardware Co., Knoxville, Tenn.
Wright, David A., machy., 568 Washington, Chicago, Ill.
Wright & Ditson, sporting & athletic goods mfrs., 408 B'way, New York.
Wright Ditson-Victor Co., bathing suits, sweaters & sporting goods, 408 B'way, New York.
Wright, E. B., contractor, Steelton, Pa.
Wright, E. E., paint mfrs., Waterbury, Conn.
Wright, F., canned goods, Federalsburg, Md.
Wright, F L., Jr., architect, 112 W. 9th, Los Angeles, Cal.
Wright, F. M., sashes, doors & blinds, St. Cloud, Minn
Wright, Faber & Co., Inc., antimony & zinc ores, 43 Exchange pl., New York.
Wright, Frank A., 51 E. 42nd, New York.
Wright, Frank Lloyd, architect, 104 S. Michigan av, Chicago, Ill.
Wright, Frank M., architect, 36 Claremont pl, Mount Vernon, N. Y
Wright, G. A., stone producers, Bay City, Mich.
Wright, G. Alexander, architect, 354 Pine, San Francisco, Cal
Wright, G. H., architect, Danvers, Mass.
Wright, Garret S., contractor, 415 W. 24th, New York.
Wright Gas Iron & Novelty Co., 13th & Cumberland, Phila., Pa
Wright, Geo. W., machst. & fndr., Lapel, Ind.
Wright, Gordon A., architect, City Bank Bldg., Syracuse, N. Y
Wright & Gowan Co., mill & facty. supps., Brunswick, Ga.
Wright, Grey, & Son, rubber, steel stamps, etc., 119 Opera pl. Cincinnati, Ohio.
Wright, H. D., granite, Graniteville, Mass.
Wright, H. P., & Co., contractors, 30 E. 42d, New York.
Wright, H. S., contractor, Everett, Wash.
Wright, Harry S., mill & facty. supplies, Buffalo, N. Y.
Wright-Hibbard Truck Co., Inc., Buffalo, N. Y.
Wright, Hy., landscape architect, Chemical Bldg., St. Louis, Mo
Wright & Hohl, architects, American Trust Bldg., Cleveland, O
Wright, I. L., architect, Richfield, Utah.
Wright, J. A., contractor, Elgin, Ill.
Wright, J. A., & Co., metal polish, Keene, N. H.
Wright, J. K., machst., 390 Smith, Brooklyn, N. Y.
Wright, J. K., Printing Ink Co., 531 N. 9th, Philadelphia, Pa.
Wright, Jas. Hayden, architect, 8 Beacon Boston, Mass.
Wright, K. L., Brass Fdry., 2397 W. 38th, Cleveland, Ohio.
Wright Kitchen Lumber Co., Ashland, Ky.
Wright & Kowalsky, contrs., Grove & 19th, Jersey City, N. J.
Wright & Kremers, architects, Gluck Bldg., Niagara Falls, N. Y.
Wright & Kuntz Lumber Co., Piqua, Ohio.
Wright, L. V., contractors, Lancaster, Pa.
Wright & Lindsley, contractors, Orange, N. J.
Wright Lbr. Co., 148 W. 38th, New York.
Wright, L. L., Waterproofing & Constr. Co., Inc., sanitary flooring, 250 Lorraine, Brooklyn, N. Y.
Wright, Luther M., carriages, So Norwalk, Conn.
Wright, Lysander, Jr., Machine Works, elevators,, 9 Alling, Newark, N. J.
Wright, M. A., architect, Pittsburgh bldg., St. Paul, Minn.
Wright, M. G., & Co., mill & facty. supp., Lowell, Mass.
Wright, M., & Son Co. See Cooley Wright Mfg. Co. (successors).
Wright Machy. Co., engines, 321-405 E. 2nd, Owensboro, Ky.
Wright Mfg. Co., chain hoists, Lisbon, Ohio.
Wright Mfg. Co., furnace pipe & fittings, New Haven, Conn.
Wright Mfg. Co., machsts. & fndrs., 133 Master, Phila., Pa.
Wright, Marcellus E., architect, Amer. National Bank bldg, Richmond, Va.
Wright-Martin Aircraft Corp., New Brunswick, N. J.
Wright Metal Mfg. Co., Anderson, Ind.
Wright, O. H., canned goods, Vinton, Va.
Wright, O. H., & Co., masons' & bldrs.' matls., Belvidere, Ill.
Wright, Percy E., Engng. Co., L. C. Smith bldg, Seattle, Wash.
Wright, R. G., & Co., dairy apparatus & supplies, Buffalo, N. Y.
Wright & Rushforth, architects, 354 Pine, San Francisco, Cal.
Wright, S. D., & Co., auto. & furniture fringes & binding, etc., 1017 N. Front, Philadelphia, Pa.
Wright & Saunders, canned goods, Bedford, Va.
Wright & Saunders, contrs., San Antonio, Tex.
Wright Shipyards, Tacoma, Wash.
Wright & Sons Co., hdwe. mfrs., pianos & organs, 51 Jackson, Worcester, Mass.
Wright, Stillman & Co., flour, Berlin, Wis.
Wright Storage Battery Co., Poughkeepsie, N. Y.
Wright, T. B., & Son, lumber, McLeansboro, Ill.
Wright, Thomas, Co., wagons, carts, hoists, 71 Golden, Jersey City, N. J.
Wright Traffic Signal Co., 844 W. 6th, Cincinnati, Ohio.
Wright Truck Attachment Co., Seattle, Wash.
Wright Tyndale & Van Roden, potteries, 1212 Chestnut, Philadelphia, Pa.
Wright, U. G., motor boats, Paulsboro, N. J.
Wright Varnish Co., Schoefield Bldg., Cleveland, Ohio.
Wright, W. E., Co., masons' & bldrs.' matls., Akron, Ohio
Wright, W. J., architect, Stockton, Cal.
Wright, W. J., & Son, canned goods, Choptank, Md.
Wright, Wheeler D., architect, Altamont, N. Y.
Wright-Whittier Co., canned goods, Ogden, Utah.
Wright & Wilhelmy Co., whol. hdwe., Omaha, Neb.
Wright Wire Co. See Wickwire Spencer Steel Corp. (successors).
Wrightman, D. M., & Son, machsts. & fndrs., McMinnville, Tenn.
Wrightson, C. T., canned goods, Easton, Md.
Wrightsville Hdwe. Co., Wrightsville, Pa.
Wrigley Co., whol. hdwe., Mahaffey, Pa.
Wrigley Mfg. Co., soap, Bourse, Philadelphia, Pa.
Wrigley, Thos., Co., elec. cable, conduit hangers, printing press & special machinery, etc., 504 Sherman, Chicago, Ill.
Wrigley, Wm., & Co., machsts., Lowell, Mass.
Wrinkle & Miller Foundry & Machine Co., Dalton, Ga.
Wrinkle Paint Mfg. Co., Columbus, Ohio.
Wrisley, Allen B., Co., soap & soap powders, 923 S. Wells, Chicago, Ill.
Writerpress Lettergraph Co., duplicating app., Shelton, Conn.
Wroe, John, contractor, Reibold Bldg., Dayton, Ohio.
Wroe, W. E., & Co., bond paper, 208 E. Illinois, Chicago, Ill.
Wrought Iron & Art Glass Fixture Co., 6 Howard, New York.
Wrought Iron Range Co., 5661 Natural Bridge av, St. Louis, Mo.
Wrought Washer Mfg. Co., iron washers, Milwaukee, Wis.
W. S. Truck Co., auto. bldrs., Birmingham, Mich.
Wuellner, J. J., & Son, contractors, Alton, Ill.
Wuertz, O. W., Co., pianos, 1518 3d av, New York.
Wuest, Adam, mattresses, 514 E. Pearl, Cincinnati, Ohio.
Wuest, Gustav P., architect, Wainwright Bldg., St. Louis, Mo.
Wuichet, Chas., & Co., cornices, 14 S. Canal, Dayton, Ohio.
Wuichet Fertilizer Co., Dayton, Ohio.
Wuichet, Louis, lbr., Ry. Exch. Bldg., Chicago, Ill.
Wulbern Fertz. Co., Charleston, S. C.
Wunder, Clarence E., architect, 310 Chestnut, Phila., Pa.
Wunder, Fred'k, & Son, brewery archts., 957 B'way, Brooklyn, N. Y.
Wunder, J., & Co., signs, 225 W. Van Buren, Chicago, Ill.
Wunder, John, contractor, Lumber Exch., Minneapolis, Minn.
Wunder, W. L., willow ware mfrs., 529 Penn., Reading, Pa.
Wunderlich, George H., lumber, Elmhurst, Wis.
Wunsch & Washburn, patterns & Models, Stone av & McDougal.
Wurdack, Wm., Elec. Mfg. Co., panelboard cabinets, switches, etc., 211 S. 11th, St. Louis, Mo.
Wurdeman, Chas., architect, Columbus, Neb.
Wurlitzer, Rudolph Co., musical instruments, 117 E. 4th, Cincinnati, Ohio.
Wurlitzer, Rudolph, Mfg. Co., pianos, North Tonawanda, N. Y.
Wurmser, H. O., architect, Lorain, Ohio.
Wurst, C. H., Co., cornices, Quincy, Ill.
Wurster Constr. Co., contractors, San Diego, Cal.
Wurster Constr. Co., 802½ Central, Los Angeles, Cal.
Wurster, E. M., carriages, Ann Harbor, Mich.
Wurster, F. W., & Co., machsts. & fndrs., 375 Kent av, Brooklyn, N. Y.
Wurth, Ed. A., architect, 9 Clinton, Newark, N. J.
Wurtz, L. J., sash, door & blind, Boston, N. Y.
Wurtz & Son, iron & steel forgings, Builders Exch., Buffalo, N. Y.
Wussow, H. A., bldg. contr., 191 Concordia av, Milwaukee, Wis.
Wusterbarth Bros., machsts. & fndrs., Meriden, Conn.
Wustrow, K. A., landscape archt., 920 17th, N. W., Wash., D. C.
Wyandotte Awning & Tent Co., Kansas City, Kans.
Wyandotte Coal & Lime Co., masons' & bldrs.' matls., Kansas City, Kans.
Wyandotte Portland Cement Co., 1525 Ford blk, Detroit, Mich.
Wyantskill Mfg. Co., bags & bagging, Troy, N. Y.
Wyatt, F., Mfg. Co., agricultural implts., Salina, Kans.
Wyatt, H. S., masons' & bldrs'. matls., Butler, Mo.
Wyatt Lbr. Co. (Ltd.), Gandy, La.
Wyatt & Nolting, archts., Keyser Bldg., Baltimore, Md.
Wyatt, Thos., Mfg. Co., cable & marine chains, etc., 27 Wyatt, Providence, R. I.
Wybel Stove & Chandelier Co., Akron, Ohio.
Wyckoff, A., & Son Co., wood stave pipe, Elmira, N. Y.
Wyckoff Bros., machsts., Highstown, N. J.
Wyckoff, J. C., & Son, cornices, Raritan, N. J.
Wyckoff & Lloyd Co., heating & plumbing contractors, 19-27 Worthington, Springfield, Mass.
Wyckoff Pipe & Creosoting Co., ties, poles, underground conduits, etc., 30 East 42d, New York.
Wye, Geo. E., Co., bathing suits, Needham, Mass.
Wye, Wm. H., & Co., bathing suits, Needham, Mass.
Wyeth Hardware & Mfg. Co., St. Joseph, Mo.
Wyeth, Nathan C., architect, 1517 H, N. W., Washington, D. C.
Wyker, Fred, Co., willow ware mfrs., Liverpool, N. Y.
Wykes-Schroeder Co., masons' & bldrs.' matls., Grand Rapids, Mich.
Wyle, J. J., & Bros., Inc., cut-glass chandelier mfrs., 20 E. 27th, New York.
Wylie, A. P., Mfg. Co., wood handles, Lawrenceburg, Tenn.
Wylie, H. R., China Co., domestic, Huntington, W. Va.
Wylie & Wilson, lbr. mfrs., Saginaw, Mich.
Wyllie-Saylor Granite Co., 627 Central av, Newark, N. J.
Wyman Canning Co., Milbridge, Me.
Wyman Chemical Co., acetate of lime, wood alcohol, etc., Port Allegany, Pa.
Wyman, D. W., & Son, common brick, Scottsburg, Ind.
Wyman-Gordon Co., forgings, Worcester, Mass.
Wyman, J., & Son, canned goods, Millbridge, Me.

Wyman, P., landscape architect, Essex bldg, Minneapolis, Minn.
Wynantskill, M., Mfg. Co., bags & bagging, Troy, N. Y.
Wyne, Geo. E., contractor, Home Life bldg, Washington, D. C.
Wynkoop Bros., cornices & skylights, Portland, Ore.
Wynkoop-McGormley Co., contractors, Ohio Bldg., Toledo, Ohio.
Wynne Stave Co., Wynne, Ark.
Wyoming Canning & Preserving Co., Wyoming, N. Y.
Wyoming Painting & Paint Mfg. Co., Wyoming, Pa.
Wyoming Shovel Wks., Wyoming, Pa.
Wyoming Timber Co., Hanna, Wyo.
Wyoming Valley Brick Co., Wilkes Barre, Pa.
Wyoming Valley Lbr. Co., Pittston, Pa.
Wyoming Valley Supply & Mfg. Co., plumbers' supplies—jobbers, Wilkes-Barre, Pa.
Wyoming Yarn Co., Wyoming, R. I.
Wysbrod, E. V., & Co., oil & gas well supplies, Findlay, Ohio.
Wysong, A. F., architect, Princeton, W. Va.
Wysong & Miles Co., machinery, Greensboro, N. C.
Wyss Mfg. Co., essential oils, 3640 20th, San Francisco, Cal.
Wythe, W. J., architect, Central Bk. Bldg., Oakland, Cal.
Wytheville Mfg. Co., sash, door & blind, Wytheville, Va.
Xardell Bros. Co., auto. mufflers, Utica, N. Y.
Xenia Rubber Mfg. Co., solid tires, Xenia, Ohio.
X. Laboratories, boiler compds., 630 Washington, Boston, Mass.
X. L. Refrigerating Co., 1540 W. 62nd, Chicago, Ill.
Yaeger & Bolte, machsts. & fndrs., 26 Cliff, New York.
Yaeger, C. Scott, architect, Alexandria, La.
Yager & Halstead, canned goods, Cortland, N. Y.
Yahr & Lange Drug Co., plate glass, 207 E. Water, Milwaukee, Wis.
Yakima Hardware Co., cornices & skylights, N. Yakima, Wash.
Yakima Iron Works, machsts. & fndrs., North Yakima, Wash.
Yakima Meat Co., packers, North Yakima, Wash.
Yakima Valley Htg. & Plumbing Co., North Yakima, Wash.
Yale, C. I., Mfg. Co., dyestuffs, etc., Yalesville, Conn.
Yale Canning Co., Yale, Mich.
Yale Knitting Co., sweaters, Malden, Mass.
Yale Knitt'g Mills, sweaters, cardigans, etc., 514 Broadway, New York.
Yale Light Co., lamps, 541 W. Washington blvd, Chicago, Ill.
Yale Machy. Co., Yale, Mich.
Yale Mfg. Co., bicycle, locks, 2056 E. 4th, Cleveland, Ohio.
Yale Novelty Co., military sets, manicure sets & stationers' specialties, Leominster, Mass.
Yale & Reagan, contractors, 111 W. Washington, Chicago, Ill.
Yale & Towne Mfg. Co., hdwe. mfrs., chain hoists, etc., Stamford, Conn.
Yale University (Sheffield Scientific), enging. schools & coll., New Haven, Conn.
Yandle, W. J., machsts., brass & composition fdry., Santa Rosa, Cal.
Yankee Co., marine mufflers, Utica, N. Y.
Yankee Hill Brick Mfg., Co., Lincoln, Neb.
Yankee Mfg. Co., toys, Cleveland, Ohio.
Yankee Polish Co., shoe blacking & polishes, 64 Cortlandt, New York.
Yankee Wizard Clock Co., 18 Broadway, New York.
Yankton Roofing Co., cornices & skylights, Yankton, S. D.
Yantic Woolen Co., flannels, Yantic, Conn.
Yarbrough & Bellinger Co., scrap iron & steel, Charlotte, N. C.
Yard & Hichborn, contractors, 215 W. 6th, Los Angeles, Cal.
Yard, J. W., & Son, architects, Penn Bldg., Erie, Pa.
Yardley, Ernest H., architect, 1713 Sansom, Phila., Pa.
Yardley Mills Co., flour, Yardley, Pa.
Yarley Mfg. Co., cut glass, 1101 W. Monroe, Chicago, Ill.
Yarnall Paint Co., 1026 Race, Philadelphia, Pa.
Yarnall, T. Elwood, contractor, Carlisle, Pa.
Yarnall-Waring Co., clamps, couplings, valves, etc., Harrison Bldg., Philadelphia, Pa.
Yarnell, B. F., contractor, 227 S. Union av, Los Angeles, Cal.
Yarnell & Yarnell, brick, Napoleon, Ohio.
Yarnelle Lbr. & Coal Co., masons' & bldrs.' matls., Wabash, Ind.
Yaryan Co., evaporators, distilling app., bleaching mchy., 25 Church, New York.
Yates, Alfred, continuous & drying kilns, Shawmut, Pa.
Yates & Co., paint, 762 Folsom, San Francisco, Cal.
Yates County Canning Co., Penn Yan, N. Y.
Yates & Donelson Co., flour mills, Memphis, Tenn.
Yates, G. H., granite, Biddleford, Me.
Yates, J. A., flour mills, Houston, Va.
Yates, J. A., Machine Co., Birmingham, Ala.
Yates, J. W., hdwe. spec., 168 8th av, New York.
Yates, J. W. L., contr., Thomasville, Ga.
Yates, James, contractor, Pleasantville, N. Y.
Yates Lumber Co., grape baskets, Penn Yan, N. Y.
Yates, P. B., Machine Co., wood working mchy., Beloit, Wis.
Yates, Stephen O., architect, 1521½ N. D, Richmond, Ind.
Yates, Thaddeus N. & Co., architects, 7356 Grant av, Phila., Pa.
Yates, Wilbur, contractor, Marion, Ind.
Yatman Rubber Co., erasers, 267 Mt. Pleasant av, Newark, N. J
Yauger & Co., contractors, 133 W. Washington, Chicago, Ill.
Yawger, A. J., & Co., contractors, 450 N. Belmont av, Indianapolis, Ind.
Yawkey-Bissell Lbr. Co., Wausau, Wis.
Yawkey Lumber Co., Wausau, Wis.
Yawman & Erbe Mfg. Co., office furniture & devices, St. Paul, Rochester, N. Y.



Yaxley Mfg. Co., time-recording system clocks, 1101 W. Monroe, Chicago, Ill.
Yazoo Hdwe. Co., Yazoo City, Miss.
Yeager Lbr. Co., 932 Elk, Buffalo, N. Y.
Yeager, M. S., contractor, Trust & Savings Bldg., Los Angeles, Cal.
Yeager M., & Son, contractors, Danville, Ill.
Yeager, S., oil well supplies, Petrolia, Pa.
Yeager, Wm. B., cornices, Reading, Pa.
Yeaman, James H., architect, City Hall, Nashville, Tenn.
Yearsley, Thos., Co., machy. dlrs., 224 N. 3d, Phila., Pa.
Yeazell-Goldstein Co., soap, Columbus, Ohio.
Yeldham, Herman J., Co., cornices, 1126 Van Buren, Chicago, Ill.
Yellow Pine Co. of Phila. lbr., 30th & Spruce, Phila., Pa.
Yellow Pine Lumber Co., Charleston, W. Va., & Jackson, Miss.
Yellow Pine Paper Mill Co., Orange, Tex.
Yellow Poplar Lumber Co., Coal Grove, Ohio.
Yellow Springs Canning Co., Yellow Springs, Ohio.
Yellow Rock Pottery Co., Phila., Pa.
Yenger, B., stone producers, Elmira, N. Y.
Yennie, Wm. J., & Co., contractors, 45 E. 42d, New York.
Yeo, Robert J., architect, 524 Massachusetts av, Boston, Mass.
Yeoman Lumber Co., Pe Ell, Wash.
Yeomans Box Co., packing, shooks, 274 Wight, Detroit, Mich.
Yeomans Bros. Co., elec. pumping machy., 1433 Dayton, Chicago, Ill.
Yeomans & Shedd Hardware Co., Danville, Ill.
Ye Planry, Inc., architect, Ry. Exchange bldg, Kansas City, Mo.
Yerdon, Wm., hose bands, Fort Plain, N. Y.
Yerkes, H. V., architect, Glenside, Pa.
Yerks & Co., sash, door & blind mfrs., Yonkers, N. Y.
Yesbera Mfg. Co., metallic furniture, Toledo, Ohio.
Yessler, Harry E., architect, Hagerstown, Md.
Yessler, Max, paper clips, Milwaukee, Wis.
Yewell, J. Floyd, architect, 7 E. 42nd, New York.
Yingling Bros., & Co., handles, Monroeville, Ohio.
Yingling, C. E., cornices & skylights, Lexington, Mo.
Yingling, Jos. P., canned goods, Pleasant Valley, Md.
Yingling, Martin, Brick Co., Pittsburgh, Pa.
Yoakum Cotton Oil Co., meal, Yoakum, Tex.
Yoch, F. T. (Miss), architect, 210 W. 7th, Los Angeles, Cal.
Yockel Bros., htg. contrs., 962 Washington av, New York.
Yockel, Chas., & Sons, machsts., 1220 N. Lawrence, Phila., Pa.
Yocom, Jas., & Son, power transmitting machy., 145 N. 2d, Phila., Pa.
Yocona Mills, cord, twine, mops, Watervalley, Miss.
Yoder, C. B., & Co., architects, Ry. Exch. Bldg., St. Louis, Mo.
Yoder Co., cold rolling machy., Engrs. Bldg., Cleveland, Ohio.
Yoder, Ellis Y., flour mills, Pikesville, Pa.
Yoder Eng. Co., architects, Equitable bldg, St. Louis, Mo.
Yoder, Thos., Mfg. Co., temperature regulators, valves, Engrs. Bldg., Cleveland, Ohio.
Yohe Bros., masons' & bldrs.' matls.—contractors, Monongahela, Pa.
Yohe, Geo. W., architect, Monongahela, Pa.
Yohe, Wm. S., Supply Co., mill & facty. supplies, Canton, Ohio.
Yolande Coal & Coke Co., Birmingham, Ala.
Yon, T. L., & Co., Box 1554, Huntington, W. Va.
Yonkers Builders' Supply Co., Yonkers, N. Y.
Yonkers Plumbing Supply Co., Yonkers, N. Y.
Yonts, C. H., & Co., benders, bits, drills, reamers, wrenches, etc., Meadville, Pa.
York Alfalfa Mills, meal, York, Neb.
York Automatic Dumb Waiter Wks., York Pa.
York Brick & Tile Co., York, Neb.
York Bridge & Constr. Co., York, Pa.
York Bros., contractors, Cape May City, N. J.
York Button Works, B. & Allegheny, Phila., Pa.
York, C. J., machinist, Downieville, Cal.
York, C. V., contractor, Raleigh, N. C.
York Card & Paper Co., wall paper, York, Pa.
York Carriage Co., automobile bodies mfrs., York, Pa.
York Chemical Works, fertilizer, York, Pa.
York Corrugating Co., conductor pipe & eaves trough, cornices & skylights, York, Pa.
York Cut Stone Co., stone producers, York, Pa.
York Elec. & Mach. Co., lamp making machinery, pumps, York, Pa.
York Engng. Co., heating contractors, York, Pa.
York Ferro Alloys Co., chromium, York, Pa.
York Foundry & Engine Works, coal chutes, mill & facty. supplies, York, Neb.
York Foundry & Machine Co., York, Pa.
York Harbor Brick Co., York Village, Me.
York Hdwe. & Brass Wks., York, Pa.
York Haven Paper Co., Land Title Bldg., Philadelphia, Pa.
York Heating & Ventilating Co., heating contr., York, Pa.
York Hill Trap Rock Quarry Co., Meriden, Conn.
York Mfg. Co., denims, Saco, Me.
York Mfg. Co., ice & refrigerating machines, York, Pa.
York Metal & Alloy Co., alloy mfrs., York, Pa.
York Paper Mfg. Co., York, Pa.
York Pattern Works, York, Pa.
York River Ship Bldg. Co., West Point, Va.
York Safe & Lock Co., safe manufacturers, York, Pa.
York Saw Works, York, Pa.
York & Sawyer, architects, 50 E. 41st, New York.

York Shale Press Brick Co., York, Pa.
York Tack & Nail Works, York, Pa.
York Valley Lime Co., York, Pa.
York Wagon Gear Co., automobile & wagon bodies, York, Pa.
York Wall Paper Co., York, Pa.
York Woven Wire Mattress Co., York, Pa.
Yorke Derrick Co., Washington, Pa.
Yorks Fdry. & Mach. Shop, Honeoye Falls, N. Y.
Yorks, Henry, land rollers, Honeoye Falls, N. Y.
Yorktown Cotton Oil & Mfg. Co., meal, Yorktown, Tex.
Yorkville Contr. Co., contractors, 430 E. 82d, New York.
Yorkville Iron Wks., 433 E. 74th, New York.
Yorkville Mfg. Co., polishers' supps., buffing wheels, 273 Lorimer, Brooklyn, N. Y.
Yorkville Scrap Rubber & Metal Co., 266 W. 53d, New York.
Yosemite Flour Mills, San Francisco, Cal.
Yosemite Lbr. Co., Merced Falls, Cal.
Yosemite Oil Refining Co., petroleum, Cheney & Harriet, Los Angeles, Cal.
Yost, A. M. (Est. of), lumber, Edmonds, Wash.
Yost, Amos S., contractor, 1004 Pennsylvania av, S. E. Washington, D. S.
Yost Bros., machsts. & fndrs., Creighton, Pa.
Yost, D. S., architect, Braddock, Pa.
Yost Elec. Mfg. Co., lamp sockets, Toledo, Ohio.
Yost Furnace Co., Canton, Ohio.
Yost Gearless Motor Co., wood washing machine parts, Springfield, Ohio.
Yost, Henry L., architect, 467 Bloomfield av, Montclair, N. J.
Yost, Jacob F., brick, Barlow, Ore.
Yost, John, Co., contractor, Elkhart, Ind.
Yost Mfg. Co., machsts., Meadville, Pa.
Yost Wks., Remington Typewriter Co., ribbons, Bridgeport, Conn.
Yost Writing Mach. Co., typewriters, 345 B'way, New York.
Youens, J., & Co., masons' & bldrs'. matls., Navasora, Tex.
Youghiogheny & Ohio Coal Co., bituminous, Leader bldg, Cleveland, Ohio.
Youman, E. E., buckweat flour, Ravena, N. Y.
Youmans Bros., turpentine, Lexsy, Ga.
Youmans Coin Wrapper Co., bill straps, etc., 428 Main, Cincinnati, Ohio.
Youmans, Simpson Lbr. Co., Stevenson, Wash.
Young, A. B., Co., slate for electr'l purposes, Fair Haven, Vt.
Young, A. F. R., archl. iron, 51 Purchase, Boston, Mass.
Young, A. L., Machinery Co., mill & facty. supps., 28 Fremont, San Francisco, Cal.
Young, Benj., Co., harness & saddle mfrs., 241 E. Water, Milwaukee, Wis.
Young, Benj. P., naval architect, 2 Stone, New York.
Young, Benjamin R., Hdwe. Co., who. hdwe., Alpena, Mich.
Young, Blair B., lumber, Hollidaysburg, Pa.
Young Boiler Compound Co., Catasauqua, Pa.
Young Bros., jewelers' boxes, 722 Eddy, Providence, R. I.
Young Bros., masons' & bldrs.' matls., Danielson, Conn.
Young Bros. Co., percolators, stacks, stills, tanks, etc., 666 Mack, Detroit, Mich.
Young Bros. Co., granite, Barre, Vt.
Young Bros. Co., painters' trestles, fire & extension ladders, Worcester, Mass.
Young Bros. Const. Co., crushed stone, St. Joseph, Mo.
Young Bros. Decorative Co., plate glass, Wichita, Kansas.
Young & Buescher Construction Co., Burlington, Ia.
Young, C. C., architect, Paw Paw, Mich.
Young, C. H., Co., stone, 653 Rice, St. Paul, Minn.
Young, C. W., & Co., soap, 1247 N. 26th, Philadelphia, Pa.
Young, Calvin J., architect, 520 Washington, Reading, Pa.
Young, Carlos G., fish landing nets, 320 Market, San Francisco, Cal.
Young, Chas. A., textile machy. supplies, etc., Easton, N. H.
Young, Chas. W., cornices, Elmira, N. Y.
Young & Co., contractors, 5 N. La Salle, Chicago, Ill.
Young, Corley & Dolan, Inc., machy. dlrs., 30 W. B'way, New York.
Young, D. H., architect, Reynoldsville, Pa.
Young, Daniel, & Co., contractors, Attleboro, Mass.
Young & Donovan, btg. contrs., North Yakima, Wash.
Young, E. D., brick, Greenspring, Ohio.
Young, E. R., & Sons, mchsts. & fdrs., Titusville, Pa.
Young, Edw. E., architect, 251 Kearny, San Francisco, Cal.
Young, Ellsworth D., contr., Colebrook, N. H.
Young, Ernest W., architect, Dean Bldg., South Bend, Ind.
Young, F. B., & Son, contractors, Mem. Trust Bldg., Memphis, Tenn.
Young, Frank, sashes, doors & blinds, Hackensack, N. J.
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Cincinnati, O.
Cleveland, O.
Dallas, Tex.
Denver, Colo.
Detroit, Mich.
Indianapolis, Ind.
Kansas City, Mo.
Los Angeles, Cal.
Milwaukee, Wis.
Newark, N. J.
New Orleans, La.
Philadelphia, Pa.
Pittsburgh, Pa.
Portland, Me.
Portland, Ore.
Richmond, Va.
Rochester, N. Y.
St. Louis, Mo.
St. Paul, Minn.
San Francisco, Cal.
Seattle, Wash.
Toledo, O.
FOREIGN OFFICES:
Hamilton, Ont., Canada.
Montreal, Que., Canada.
Toronto, Ont., Canada.
Vancouver, B. C., Canada.
Winnipeg, Man., Canada.

**AMERICAN CLAY MACHINERY CO.,** 544, 876, 917, 932, 990 & 1222
Bucyrus, Ohio.

**AMERICAN CREOSOTING COMPANY**..... 446
Bogalusa, La.

**AMERICAN EXPORTER**.....Inside Front Cover
17 Battery pl, New York

**AMERICAN FROG & SWITCH CO.,** 627, 1367, 1617 & 1709
Hamilton, O.
BRANCH OFFICES:
Birmingham, Ala.—Amer. Frog & Switch Co., Amer. Trust bldg
Huntington, W. Va.—Miller Supply Co.
Louisville, Ky.—Amer. Frog Switch Co., Starks bldg
Pittsburgh, Pa.—Amer. Frog & Switch Co., Diamond Bank bldg
Richmond, Va.—Southeastern Supply Co.
St. Louis, Mo.—Handlan-Buck Mfg. Co.

**AMERICAN HARDWARE JOBBERS' DIRECTORY** ..... 730
(Edward G. Baltz, Pub.)
107 6th, Pittsburgh, Pa.

**AMERICAN INSULATION CO**.....1263
Roberts av & Stokley, Phila., Pa.

**AMERICAN LAVA CORP**..... 207
Chattanooga, Tenn.

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**AMERICAN PROCESS CO**..... 505
68 William, New York

**AMERICAN SAW & MFG. CO**.....1437
69 Boylston, Springfield, Mass.

**AMERICAN SPIRAL PIPE WORKS**.....1261
Box 485, Chicago, Ill.
BRANCH OFFICE:
New York—50 Church.

**AMERICAN STANDARD SHIPFITTINGS CORP.** 621 & 1489
115 B'way, New York.

**AMERICAN STEEL & WIRE CO**....359, 1711 & 1827
208 So. La Salle, Chicago, Ill.

SALES OFFICES:
Chicago, Ill.—208 So. La Salle.
New York, N. Y.—30 Church.
Cleveland, O.—Western Reserve bldg.
Worcester, Mass.—94 Grove.
Boston, Mass.—120 Franklin.
Philadelphia, Pa.—Pennsylvania bldg.
Pittsburgh, Pa.—Frick bldg.
Buffalo, N. Y.—337 Washington.
Detroit, Mich.—Foot of First.
Cincinnati, O.—Union Trust bldg.
Baltimore, Md.—32 So. Charles.
Wilkes Barre, Pa.—Miners' Bank bldg.
St. Louis, Mo.—3d National Bank bldg.
St. Paul, Minn.—Pioneer bldg.
Oklahoma City.—First National Bank bldg
Birmingham, Ala.—Brown-Marx bldg.
Denver, Colo.—1st National Bank bldg.
Salt Lake City, Utah.—Walker Bank bldg.

PACIFIC COAST DEPT.:
San Francisco, Cal.—U. S. Steel Products Co.
Los Angeles, Cal.—U. S. Steel Products Co.
Seattle, Wash.—U. S. Steel Products Co.
Portland, Ore.—U. S. Steel Products Co.

EXPORT DEPT.:
New York.—U. S. Steel Products Co., 30 Church.
New Orleans, La.—Maison Blanche bldg.-Annex.

**AMERICAN TAP & DIE CO**.....1650
Greenfield, Mass.

BRANCH OFFICES:
Chicago, Ill.—180 No. Dearborn.
New York—42 Murray.
Philadelphia, Pa.—504 Commerce.
San Francisco, Cal.—508 Mission.

**AMERICAN TUBE CO**.....1735
3703 So. Rockwell, Chicago, Ill.

**AMERICAN TUBE & PIPE BENDING CO**.....1729
Cuyahoga & Mahoning avs, Cleveland, O.

**AMERICAN WASHER WORKS**.....1786
178 Center, New York

**AMES, B. C., CO**..... 850
Waltham, Mass.

**AMES, W., & CO**.....151 & 1523
Office & Factory, Communipaw av, Jersey City, N. J.

**ANCHOR POST IRON WORKS**..... 570
167 B'way, New York.

BRANCH OFFICES:
Atlanta, Ga.—Empire bldg.
Boston, Mass.—79 Milk.
Chicago, Ill.—8 S. Dearborn.
Cleveland, O.—Guardian bldg.
Greenville, S. C.—Palmetto bldg.
Hartford, Conn.—902 Main.
Mineola, L. I.
Philadelphia, Pa.—Real Estate Trust Bldg., Broad & Chestnut.
Stamford, Conn.

**ANDERSON, V. D. CO**.....1468
1935 W. 96th, Cleveland, O.

BRANCH OFFICES:
Baltimore, Md.—Union Trust bldg.
Boston, Mass.—100 Pearl.
Chicago, Ill.—431 So. Dearborn.
Philadelphia, Pa.—573 Race.

**ANGLO-SAXON SUPPLY CO., INC**.....1565
290 Pearl, New York.

**ANKYRA MFG. CO**..... 141
149 Berkley, Wayne Junction, Phila., Pa.

**AREX CO.** .....1772
1591 Conway bldg., Chicago, Ill.

**ARGUTO OILLESS BEARING CO**..... 98
144 Berkley, Wayne Junction, Philadelphia, Pa.

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**ARMINGTON ENGNG. CO**.....440
Euclid, Ohio.

**ARMSTRONG MACHINERY CO**..... 955
Spokane, Wash.

**ART METAL CONSTRUCTION CO**.....643
Jamestown, N. Y.

**ATLAS BOLT & SCREW CO**..... 142
1130 Ivanhoe rd, Cleveland, O.

**ATLAS CAR & MFG. CO**..... 877
Cleveland, O.

**ATLAS COPPER & BRASS MFG. CO**.....1223
2734 High, Chicago, Ill.

**ATLAS LABORATORY EQUIPMENT BUREAU,** 302 & 836
731 No. Wells, Chicago, Ill.

**ATLAS POWDER CO**.....122, 302, 512 & 558
140 N. Broad, Philadelphia, Pa.

**AUSTIN MACHINERY CORP**....200, 358, 987 & 1779
Railway Exchange bldg, Chicago, Ill.

**AUTOMATIC WIRE GOODS MFG. CO**.....1828
13-15 Canal pl, New York.

## B

**BABBITT STEAM SPECIALTY CO**.....1388
New Bedford, Mass.
WESTERN DISTRIBUTORS:
Chicago, Ill.—Jenkins Bros., 300 W. Lake.
CANADIAN AGENTS:
Toronto, Ont.—Engineering Specialties Co., Ltd.

**BADGER, E. B., & SONS CO**..... 818
75A Pitts, Boston, Mass.

**BAKER, W. W., & CO.**.....1573
940 N. Front, Philadelphia, Pa.

**BALLWOOD CO.** .....1256
30 Church, New York.

**BALTIMORE COOPERAGE CO**.....1649
Ostend & Leadenhall, Baltimore, Md.

**BANGOR STRUCTURAL SLATE CO**.....1507
Bangor, Pa.

**BARNES, THE WALLACE, CO**.....1527
18 Wallace, Bristol, Conn.
WESTERN SALES OFFICE:
Detroit, Mich.—Book bldg.
NEW YORK SALES OFFICE:
50 West 42nd

**BARNES, W. O. CO**.....1437
1216 Beaubien, Detroit, Mich.

**BARNSTEAD MFG. CO**.....1584
62 Washington, North, Boston, Mass.

**BARNSTEAD STILL & STERILIZER CO**.....1584
Forest Hills, Boston 30, Mass.
BRANCH OFFICE:
Chicago, Ill.—189 W. Madison.

**BARRETT-CRAVENS CO.** .....1722
169-173 N. Ann, Chicago, Ill.

**BARTLETT, C. O. & SNOW CO**..**See Front Adv. Pages**
French st., Cleveland, Ohio.

**BARTLETT MFG. CO**.....1510
43 E. Lafayette av, Detroit, Mich.

**BARWOOD, L. J., MANUFACTURING CO.,** 649, 1201 & 1787
Stoneham 80, Boston, Mass.
FOREIGN OFFICE:
Buenos Aires, Argentina, So. America—Carlos Pellegrini, 440

**BAYONNE BOLT & NUT CO**.....140 & 1393
Bayonne, N. J.

**BEACH-RUSS CO.** .....1335
216-224 Broadway, New York.

**BEAUDRY & CO., INC**.....710
45 Bromfield, Boston, Mass.

**BECK, CHAS. MACHINE CO**.....967
607 Chestnut, Philadelphia, Pa.

**BEGGS, JAMES & CO**.....139 & 694
30 Warren, New York.

**BEHRSTOCK-UDKOFF CO.**.....932
769 W. Van Buren, Chicago, Ill.

**BELL CO. (THE)**.....152
1555 Fillmore av, Buffalo, N. Y.

**BENJAMIN ELECTRIC MFG. CO**....516, 1497 & 1612
128 So. Sangamon, Chicago, Ill.

BRANCH OFFICES:
New York—243 W. 17th.
San Francisco, Cal.—590 Howard.
Toronto, Canada.
London, England.

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DISTRICT OFFICES:
Boston.
Pittsburgh.
Cincinnati.
Detroit.
St. Louis.

**BENNETT, E. W. & CO**.....1117
2000 16th, San Francisco, Cal.

**BENNETT AND SEELEY, INC**.....623
823 Railroad av, Bridgeport, Conn.
BRANCH OFFICE:
Hartford, Conn.

**BENNETT WIRE CO**.....1817
405 Lexington av, New York

**BETTCHER STAMPING & MFG. CO**.....1542
Cleveland, O.

**BETTES & EBSEN**..... 170
152 Chambers, New York.

**BETTS MACHINE CO**.....914
420 Blossom rd, Rochester, N. Y.

**BIEHL IRON WORKS, INC**.....246
Reading, Pa.

**BIGGS BOILER WORKS CO**.....969, 982, 1636 & 1643
Case av & Williams, Akron, O.

**BITTENBENDER CO.** .....1135 & 1573
Scranton, Pa.

**B. J. STAMPING CO**.....992 & 1542
1435-37 Dorr, Toledo, O.

**BLAICH, ALFRED O. CO**.....850
1954-1964 Clybourn av, Chicago, Ill.

**BLAKE & JOHNSON CO**.....1458
1500 Thomaston av, Waterbury, Conn.

**BLANCKE, A. C. & CO**.....1567, 1569 & 1574
116 So. Michigan av, Chicago, Ill.

**BLISS, E. W. CO**.....1314 & 1315
19 Adams, Brooklyn, N. Y.

BRANCH OFFICES:
Chicago, Ill.—Peoples' Gas blug
Cleveland, O.—Union Bank bldg
Detroit, Mich.—Dime Bank bldg
Buffalo, N. Y.—Marine Bank bldg
Cincinnati, O.—Union Trust bldg
St. Louis, Mo.—Boatmen's Bank bldg
FACTORIES:
Brooklyn, N. Y.
Hastings, Mich.
FOREIGN OFFICES:
London, S. E., Eng.—Pocock st, Blackfriars rd, S. E.
Paris, France—100 Boulevard Victor-Hugo St. Ouen.

**BOGERT & HOPPER, INC**.....159, 162, 716 & 1833
57 Barclay, New York

**BOILER EFFICIENCY ENGINEERS**.....646
Manhattan bldg, Chicago, Ill.

**BOLAND MACHINE AND MFG. CO**.....291
1006 Tchoupitoulas, New Orleans, La.

**BOLLES, WILLIAM B**.....873
P. O. Box 600 M, Milwaukee, Wis.

**BOND FOUNDRY & MACHINE CO**.....428
Manheim, Lancaster Co., Pa.

**BONNEY VISE & TOOL WORKS**.....616 & 1835
Allentown, Pa.

**BORGESON MFG. CO., INC**.....821
38 Monroe, Torrington, Conn.

**BOSSERT CORPORATION, THE**.....1543
MAIN OFFICE & WORKS:
Cor. Linden & West av., Utica, N. Y.
BRANCH OFFICES:
Cleveland, O.—611 Citizens bldg
Detroit, Mich.—1513 Ford bldg
New York—30 Church

**BOSTON BRASS CO**.....603
135 Bacon, Waltham, Mass.

**BOSTON GEAR WORKS**.....670
Quincy, Mass.
FACTORY BRANCH:
Chicago, Ill.—623-625 W. Washington blvd.
DISTRIBUTORS:
Philadelphia, Pa.—Bond Company, Charles, 520 Arch st.
Boston, Mass.—Chandler & Farquhar Co., 32-38 Federal st.
Toledo, O.—Coghlin-Kirkby Mach'y & Supply Co., 109-111 St. Clair st.
Chicago, Ill.—Harris & Co., Samuel, 114 N. Clinton st.
San Francisco, Cal.—Marwedel, C. W., 76-80 First st.
New Haven, Conn.—Mersick & Co., C. S., 274-292 State st.
New York City—Patterson, Gottfried & Hunter, 211 Centre st.
Dayton, O.—Patterson Tool & Supply Co., 123-125 East Third st.
Cincinnati, O.—Queen City Supply Co., cor Pearl & Elm sts.
Buffalo, N. Y.—Root, Neal & Co., 178 Main st.
St. Louis, Mo.—Schroeter Bros. Hardware Co., 810-814 Washington av.
Detroit, Mich.—Strelinger & Co., Charles A., 43-51 E. Larned st.
Pittsburgh, Pa.—Somers, Fitler & Todd, 327 Water st.
Cleveland, O.—Strong, Carlisle & Hammond Co., 1392-1394 West 3rd st.
Indianapolis, Ind.—Vonnegut Hardware Co., 120-124 E. Washington st.
Milwaukee, Wis.—Western Iron Stores Co., 147 W. Water st.

**BOWEN PRODUCTS CORP**.....884
Auburn, New York.
DIVISIONS:
Detroit, Mich.—The Winkley Div.
Cleveland, O.—The Zerk Div.
Minneapolis, Minn.—The Minneapolis Div.
Auburn, N. Y.—The Auburn Div.
CANADIAN FACTORY:
Windsor, Ont.—Canadian Winkley Co., Ltd.

**BRADLEY, A. J. MFG. CO**.....997
101 Beekman, New York

**BRADLEY, C. C. & SON, INC**.....709
Syracuse, N. Y.

**BRANDYWINE FIBRE PRODUCTS CO**.....580
14th & Walnut sts, E. Wilmington, Del.

**BRAWLEY, T. R**.....651
275 20th, Brooklyn, N. Y.

**BREDT, F. & CO**.....23
240 Water, New York
12 So. Front, Philadelphia, Pa.

**BRIDGEPORT SAFETY EMERY WHEEL CO**.....700
88 Knowlton, Bridgeport, Conn.

**BRISTOL CO.** .....104, 657, 792, 1361 & 1677
Waterbury, Conn.
BRANCH OFFICES:
Boston, Mass.—Old South bldg
Chicago, Ill.—Monadnock bldg
New York—114 Liberty
Pittsburgh, Pa.—Frick bldg
San Francisco, Cal.—Rialto bldg

**BRONX DERRICK & TOOL CO**.....470
143rd & Southern blvd, New York

**BROWN BROS.** .....257 & 1274
46-48 Garden, Stamford, Conn.

**BROWN ENGINEERING CO**.....831
110 N. Third, Reading Pa.

**BROWNING, SOMMER, ADAMS CO**.....1493
Cleveland, O.

**BUCKEYE PRODUCTS CO**.....632
919-929 W. 5th, Cincinnati, O.

**BUFFALO FOUNDRY & MACHINE CO.**
509, 554, 930 & 1607
65 Winchester av, Buffalo, N. Y.

**BUFFALO HOIST & DERRICK CO**.....441
129 Erie, Buffalo, N. Y.

**BUFFALO METER CO**.....1123
2921 Main, Buffalo, N. Y.

**BUFFALO WIRE WORKS CO**.....1815
453 Terrace, Buffalo, N. Y.
BRANCH OFFICE:
Philadelphia, Pa.—9-11 S. 7th.

**BUNTING BRASS & BRONZE CO**.....96
738 Spencer, Toledo, O.

**BURROUGHS, CHAS. CO**.....963 & 1311
Newark, N. J.

**BURT MFG. CO**.....556, 586, 1178 & 1772
40 Main, Akron, O.

**BURTON ENGINEERING & MACHINERY CO**.....876
Spring Grove & Alabama av, Cincinnati, O.

**BUTTERWORTH-JUDSON CORP**.....4 & 512
61 Broadway, New York

**BYERS, A. M. CO**.....See Front Cover
235 Water, Pittsburgh, Pa.

**BYERS, JNO. F. MACHINE CO**.....433
242 So. Sycamore, Ravenna, O.

**BYRON-JACKSON IRON WORKS**.....1334
San Francisco, Cal.

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**CAHILL, M. F.**.....574
710 E. 2nd, Boston, Mass.

**CALUMET IRON WORKS**.....1713
3 Hyatt av, Newark, N. J.

**CAMERON, A. S. STEAM PUMP WORKS**.....1333
11 Broadway, New York

BRANCH OFFICES:
Birmingham, Ala.—American Trust bldg
Chicago, Ill.—People's Gas bldg
Cleveland, O.—Williamson bldg
Duluth, Minn.—Providence bldg
Houghton, Mich.—Post Office bldg
Knoxville, Tenn.—Holston Nat. Bk. bldg
Los Angeles, Cal.—701 Union Oil bldg
Philadelphia, Pa.—Commercial Trust bldg
Pittsburgh, Pa.—Farmers' Bank bldg
St. Louis, Mo.—300 N. Broadway
Salt Lake City, Utah—210 S. W. Temple
San Francisco, Cal.—Rialto bldg
Scranton, Pa.—610 Spruce
Seattle, Wash.—Colman bldg

DOMESTIC AGENCIES:
Atlanta, Ga.—H. S. Bartlett, 18 Spruce
Boston, Mass.—Ingersoll-Sargeant Drill Co., 32 Oliver
Butte, Mont.—Ingersoll-Rand Co.
Denver, Colo.—Stearns-Roger Mfg. Co.
El Paso, Texas—Ingersoll-Rand Co. of Texas
Juneau, Alaska—Ingersoll-Rand Co.
New Orleans, La.—H. K. Ivens

FOREIGN AGENCIES:
Auckland, New Zealand—John Burns & Co., Customs st, E.
Brussels, Belgium—Stokvis & Fils
Cobalt, Ont., Can.—Canadian Ingersoll-Rand Co., Ltd.
Havana, Cuba—Zaldo & Martinez
Johannesburg, S. Africa—Ingersoll-Rand Co.
Kalgoorlie, W. Australia—Ingersoll-Rand Co.
London, E. C., Eng.—Ingersoll-Rand Co., 165 Queen Victoria
Melbourne, Australia—Ingersoll-Rand Co.
Mexico City, Mex.—Victor M. Braschi & Co.
Montreal, Que., Can.—Canadian Ingersoll-Rand Co., Commercial Union blk
Paris, France—Compagnie Ingersoll-Rand, 33 Rue Reaumur
Perth, W. Australia—Frank R. Perrot
Rossland, B. C.—Canadian Ingersoll-Rand Co. (Ltd.)
Rotterdam, Holland—R. S. Stokvis & Zonen, Leuvehaven, O. Z., 78
Sherbrooke, Que., Can.—Canadian Ingersoll-Rand Co., Ltd.
Toronto, Can.—Canadian Ingersoll-Rand Co., Ltd., Traders' Bank bldg
Vancouver, B. C.—Canadian Ingersoll-Rand Co., Ltd., 43 Alexander

**CAMERON MACHINE CO**.....968
61 Poplar, Brooklyn, N. Y.

**CARY MFG. CO**.....157, 564 & 1106
Nassau & Jay, Brooklyn, N. Y.

BRANCH OFFICE:
San Francisco, Cal.—C. Solomon, Jr., 316 Battery

FOREIGN OFFICE:
London, E. C., Eng.—Messrs. W. P. Notcutt, Ltd., 8 White, Moorfields
Sydney, Australia—Alex W. Stitt, 382 George

**CASH, A. W. CO**.....1760
Decatur, Ill.

**CELLULOID ZAPON CO**.....527, 528, 529, 836 & 837
200 Fifth av, New York

**CENTRAL FROG & SWITCH CO.**628, 1369, 1617 & 1709
Cincinnati, O.

**CERESIT WATERPROOFING CO**.....1792
110 So. Dearborn, Chicago, Ill.

**CHAMPION ENGINEERING CO**.....439
Kenton, O.

SALES OFFICES:
New York—J. W. Spensley, 149 Broadway
Pittsburgh, Pa.—Loughlin-Barney Machy. Co.
Philadelphia, Pa.—Williams Machy. Co., 829 Comm. Trust bldg
Portland, Ore.—Portland Machy. Co.
San Francisco, Cal.—Louis G. Henes, 76 Fremont.
Toledo, O.—W. C. Lloyd Co., 1113 Second Ntl. Bank bldg
Los Angeles, Cal.—Louis G. Henes, Title Insurance bldg
Paris, France—L. & E. Frenkel, Inc., 20 Rue des Capucines

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**CHAMPION MACHINE & FORGING CO**.....615
3690 E. 78th, Cleveland, O.

**CHASE FOUNDRY & MFG. CO**.....242
2700 S. Parsons av, Columbus, O.

**CHASE, FRANK D., INC**.....532
645 N. Michigan av, Chicago, Ill.

**CHASE, L. C. & CO**.....857, 1397, 1703 & 1745
89 Franklin, Boston, Mass.

**CHEMICAL EQUIPMENT CO**...555, 1327, 1526 & 1750
910 Monadnock blk, Chicago, Ill.

**CHICAGO BRIDGE & IRON WORKS**.....1639
2105 Old Colony bldg, Chicago, Ill.

SHOPS:
Eastern: Greenville, Pa. (Pittsburgh District).
Central: Chicago, Ill., 105 & Throop

CANADIAN:
Bridgeburg, Ont., Can.—121 Janet
Montreal—260 St. James

SALES OFFICES:
Bridgeburg, Ont., Can.
Charlotte, N. C.—501 Realty bldg
Dallas, Tex.—1600 Praetorian bldg
Greenville, Pa.—108 Pine
Los Angeles, Cal.—309 Union Oil bldg
New York—3136 Hudson Terminal bldg
Salt Lake City, Utah—1319 Newhouse bldg
San Francisco, Cal.—Call bldg
Seattle, Wash.—1812 L. C. Smith bldg

**CHICAGO FIRE BRICK CO**.....182
133 W. Washington, Chicago, Ill.

**CHICAGO FUSE MFG. CO**.....645
Laflin & 15th sts, Chicago, Ill.

**CHICAGO METAL MFG. CO**.....1116 & 1481
313 So. Clinton, Chicago, Ill.

**CHICAGO MICA CO**.....1157
6 to 16 Campbell, Valparaiso, Ind.

BRANCH OFFICES:
Philadelphia, Pa.—1701 Arch
Chicago, Ill.—212 W. Water av

**CHICAGO OYSTER PAIL CO**.....160
504 So. Green, Chicago, Ill.

**CHICAGO PNEUMATIC TOOL CO**.....1291
6 E. 44th st, New York

BRANCH OFFICES:
Birmingham, Ala.—1925 No. 5th av
Boston, Mass.—182 High
Buffalo, N. Y.—208 Franklin
Chicago, Ill.—300 No. Michigan av
Cincinnati, O.—Pearl and Vine
Cleveland, O.—109 St. Clair av, N. E.
Detroit, Mich.—95 E. Larned
El Paso, Tex.—303 San Francisco
Erie, Pa.—12th & Cranberry
Franklin, Pa.—6 13th st
Houston, Tex.—407 Carter bldg
Joplin, Mo.—308 Wall
Los Angeles, Cal.—307 E. 3rd
Minneapolis, Minn.—5th av & 5th st, So.
New Orleans, La.—853 Carondelet
New York—52 Vanderbilt av
Philadelphia, Pa.—1740 Market
Pittsburgh, Pa.—12 Wood
Portland, Ore.—307 Railway Exchange
Richmond, Va.—1004 Mutual bldg
St. Louis, Mo.—813 Hempstead
Salt Lake City, Utah—117 W. 2d So.
San Francisco, Cal.—175 First
Seattle, Wash.—119 Jackson

FOREIGN OFFICES:
Belgium, Brussels—The Consolidated Pneumatic Tool Co., Ltd., Egyptian House, 170, Piccadilly, W. I.
Finland, Helsingfors—Finska Aktiebolaget Hartmanns Maskinaffar
Germany, Berlin—Internationale Pressluft & Elektricitats Gesellschaft, m. b. H. Weinmeistertrasse 14, Berlin, C. 54
India, Bombay—Consolidated Pneumatic Tool Co., Ltd., Pathe bldg., Fort.
Mexico, Chihuahua—Don A. Carpenter & Co., El Paso, Tex.
Cuba, Havana—Victor G. Mendoza Co., No. 3 Cuba st
Hawaiian Islands, Honolulu—H. S. Gray & Co., 832 fort
South Africa, Johannesburg—Consolidated Pneumatic Tool Co., Ltd., 190 Main
Great Britain, London—Consolidated Pneumatic Tool Co., Ltd., Egyptian House, 170, Piccadilly, W. I.
Branch Offices at Aberdeen, Birmingham, Cardiff, Glasgow, Leeds, Newcastle, Belfast
Italy, Milan—Consolidated Pneumatic Tool Co., Ltd. via A. Capellini 7.
Canada, Que., Montreal—Canadian Pneumatic Tool Co., 25-27 Antoine st

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Norway, Christiania—A/S G. Hartmann, P. O. Box 1
Japan, Osaka, Seoul, Tokyo—The Horne Co., Ltd.
France, Paris—Anciens Etablisssements Glaenzer & Perreaud, 18-20 Faubourg du Temple
Scotland, Fraserburg—The Consolidated Pneumatic Tool Co., Ltd.
Portugal, Lisbon—The Amer. Machy. Syndicate (A. A. Macierra, Praca Rio de Janeiro, 9.)
Mexico, Sonora—Chicago Pneumatic Tool Co., Los Angeles, Cal.
Spain, Cadiz & Barcelona—The American Machinery Syndicate. Madrid—Sindicato de Maquinaria Minera Americana
Switzerland, Bale—Meister, Bros. & Co.

**CHICAGO PUMP CO**.....1339
2342 Wolfram, Chicago, Ill.

**CHRISMAN FOUNDRY CO**.....270
Morgantown, W. Va.

**CHRYSTAL, CHAS. B**.....302 & 445
13 Cliff, New York

**CINCINNATI FROG & SWITCH CO**.....167, 316, 469, 627, 628, 743, 1292, 1368, 1369, 1617, 1682, 1683 & 1709
Cincinnati, O.

**CINCINNATI TOOL CO**.....307, 315, 464 & 1455
Norwood, Cincinnati, O.

**CLARK BROS. BOLT CO**.....140
Milldale, Conn.
BRANCH OFFICES:
Baltimore, Md.—John K. Wilson Co.
Detroit, Mich.—2671 W. Grand blvd
San Francisco, Cal.—J. D. French Co., 216 Market

**CLAY-WORKER, THE**.....175
(T. A. Randall & Co., pub.), 211 Hudson, Indianapolis, Ind.

**CLEVELAND CHAIN & MFG. CO**.....287
Penn. R. R. & Henry st, Cleveland, O.

**CLEVELAND CUTTER & REAMER CO**.....461
1619 Merwin av, Cleveland, O.

**CLEVELAND WIRE CLOTH & MFG. CO**.....1815
3574 E. 78th, Cleveland, O.
BRANCH OFFICES:
New York—B. C. Guerin & Co., 30 Church
Denver, Colo.—H. S. Winans, 1212 Josephine
New Orleans, La.—J. R. Brennan, 422 Common

**CLYDE IRON WORKS SALES CO.**
**Front Adv. Pages...469, 470, 541, 542, 544, 555, 763, 764, 766, 870, 946, 957 & 959**
Duluth, Minn.
BRANCH OFFICES & WAREHOUSES, addressing Clyde Iron Works in each instance:
Chicago, Ill.—11 S. La Salle
Jacksonville, Fla.—
New Orleans, La.—414-416 Carondelet
New York—50 Church
Portland, Ore.—395 North 18th

**COAST CULVERT & FLUME CO**.....1258
Portland (Kenton Sta.), Ore.

**COBB ELECTRIC APPLIANCE CO**.....401
Boston 30, Mass.

**COES, LORING & CO. (INC.)**.....830
Coes sq, Worcester, Mass.
BRANCH OFFICE:
New York—23-25 E. 26th, Neptune bldg

**COES WRENCH CO**.....1835 & 1839
Worcester, Mass.
AGENTS:
New York—I. C. McCarty & Co., 29 Murray
John H. Graham & Co., 113 Chambers

**COHOES IRON FOUNDRY & MACHINE CO**.....523
16 Saratoga, Cohoes, N. Y.

**COLBURN GEAR & MFG. CO., INC**.....670
85 Purchase, Boston, Mass.

**COLONIAL SUPPLY CO**.....1750
217 Water, Pittsburgh, Pa.

**COLUMBUS BRASS CO**.....1366
538-544 Dublin av, Columbus, O.

**COLUMBUS FORGE & IRON CO**.....614
Columbus, O.

**COLUMBUS McKINNON CHAIN CO**.....288
Columbus, O.
CANADIAN BRANCH:
St. Catherines, Ont.—McKinnon, Columbus Chain, Ltd.

**COMMONWEALTH FELT CO**.....568
78 Summer, Boston, Mass.

**CONCRETE WATERPROOF PAINT CO**...1214 & 1215
329-335 N. 3rd, Philadelphia, Pa.

**CONTINENTAL FIBRE CO**.....795
Newark, Del.

**CONTINENTAL PIPE MFG. CO**.....1262
Seattle, Wash.



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**COOK & SWAN CO., INC**.....1181
148 Front, New York

**CORCORAN, A. J., INC**.....1646
745 Jersey av, Jersey City, N. J.

**CRESCENT REFRACTORIES CO**.....183
Curwensville, Pa.

**CROFOOT, NEILSON & CO**.....128 & 495
172 W. Washington, Chicago, Ill.

**CRONK & CARRIER MFG. CO.**
462, 1275, 1321, 1369 & 1478
150 Lake, Elmira, N. Y.

**CRONKHITE CO., INC**.....795
185 Devonshire, Boston, Mass.

**CROSBY STEAM GAGE & VALVE CO.**
658, 663, 786 & 1747
40 Central, Boston, Mass.
STORES:
Boston, Mass.—38 Central
Chicago, Ill.—180 North Market
New York—100 Walker
San Francisco, Cal.—121 Second
FOREIGN HOUSE:
London, Eng.—Crosby Valve & Engineering Co., 147 Queen Victoria

**CROSSLEY MACHINE CO., INC**.....931
State & Chestnut av, Trenton, N. J.

**CROWELL MFG. CO**.....1354
290 Taaffe pl, Brooklyn, N. Y.

**CUMMER, F. D. & SON CO.**56, 505, 506, 508, 970 & 1244
Superior Arcade, Cleveland, O.

**CUTLER-HAMMER MFG. CO**.....1159
12th & St. Paul av, Milwaukee, Wis.
BRANCH OFFICES:
Boston, Mass.—77 Franklin
Chicago, Ill.—Peoples Gas bldg
Cincinnati, O.—Gwynne bldg
Cleveland, O.—Guardian bldg
Detroit, Mich.—905 Kresge bldg
Los Angeles, Cal.—San Fernando bldg
New York—Hudson Terminal (50 Church)
Philadelphia, Pa.—Commonwealth bldg
Pittsburgh, Pa.—Farmers' Bank bldg
San Francisco, Cal.—H. B. Squires Co., 583 Howard
Seattle, Wash.—552 First av So.

**CUTTER & WOOD SUPPLY CO**.....1374
77 Pearl, Boston, Mass.

**CUTTING & WASHINGTON RADIO CORP**.....794
6 & 8 W. 48th, New York

**CUYAHOGA SPRING CO**.....1530
10253 Berea rd, Cleveland, O.

**CYCLONE BLOW PIPE CO**.....125 & 511
2542-2552 W. 21st, Chicago, Ill.

## D

**DAFT, A. C**.....572
Oliver bldg, Pittsburgh, Pa.

**DAHLQUIST MFG. CO**.....413
40 W. 3d, So. Boston, Mass.

**DAHLSTROM METALLIC DOOR CO**...488, 520 & 1150
Executive Office & Factory: 413 Buffalo, Jamestown, N. Y.
BRANCH OFFICES:
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New York—130 E. 15th st
AGENCIES:
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Boston, Mass.—Seeley & Lawson, 1107 Tremont bldg
Buffalo, N. Y.—Chautauqua Builders Supply
Cincinnati, O.—Dahlstrom Sales Co., 702 Mercantile Libr. bldg
Cleveland, O.—Dahlstrom Sales Co., 916 Swetland bldg
Dallas, Tex.—Gilbert Mfg. Co., 1209½ Main st
Davenport, Ia.—Cement Products Co., 207 W. 4th st
Denver, Colo.—Hine Desk & Fixture Co., 1640 California st
Des Moines, Ia.—H. R. Hubbard, 202 Hubbel bldg
Detroit, Mich.—W. T. Nelson, 855 Book bldg
Duluth, Minn.—Dunlop-Moore Co., 22 Third av, West.
Evansville, Ind.—Evansville Structural Supply Co.
Grand Rapids, Mich.—Vrieling-Vandervelde Co., 757 Hawthorne st
Helena, Mont.—Raymond C. Grant, Power Block Annex
Indianapolis, Ind.—Vonnegut Hardware Co.
Kansas City, Mo.—Western Steel Specialty Co., 602 Security bldg

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Los Angeles, Cal.—Bedell Engr. Co., 3710 S. Alameda st
Minneapolis, Minn.—Geo. Hauenstein, 654 Builders' Exchange.
Nashville, Tenn.—Geo. W. Huth, 61 Arcade.
New Orleans, La.—Ole K. Olson, 823 Perdido
Oklahoma City, Okla.—Bissell Bldrs. Supply Co., 717 Colcord bldg
Omaha, Nebr.—Sunderland Brothers Co., 17th & Harney sts
Peoria, Ill.—H. F. Kircher & Co., Lehmann bldg.
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Richmond, Va.—J. S. Archer, 203 Real Estate Exchange.
Rochester, N. Y.—Francis Metal Door & Window Co.
St. Louis, Mo.—Sears & Piou, 602 Arcade bldg
Salt Lake City, Utah—Manufacturers' Specialty Co., 418 Boston bldg.
San Francisco, Cal.—Edwin C. Dehn, 921 Hearst bldg
Seattle, Wash.—E. H. Camp, 515 Bell.
Sioux City, Ia.—H. C. McNeil & Sons, 308 Jackson.
St. Louis, Mo.—W. G. Clark, 106 N. 3rd st
Washington, D. C.—R. V. La Dow, 419 Natl. Metropolitan Bank bldg.

SALESMEN:
Binghamton, N. Y.—Babcock, Hinds & Underwood.
Chattanooga, Tenn.—T. T. Wilson & Co., 721 E. 9th.
New York, N. Y.—L. D. Rockwell, 3 Rector
Pittsburgh, Pa.—All Steel Equipment Co., 300 Union Arcade.
Rochester, N. Y.—Francis Metal Door & Window Co.
St. Louis, Mo.—W. G. Clark, 106 N. 3rd

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**DAMASCUS BRONZE CO**.....**67, 94 & 1248**
N. S., Pittsburgh, Pa.
BRANCH OFFICES:
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Philadelphia, Pa.—1210 Finance bldg
Richmond, Va.—407-408 Travelers bldg.

**DAPRATO STATUARY CO**.....**18 & 1811**
766 W. Adams, Chicago, Ill.

**DART, E. M. MFG. CO**.....**1744**
134 Thurbers av, Providence, R. I.
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Utica, N. Y.—John & Fulton.
Washington, D. C.—14th & G.
Havana.
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Glasgow, Scotland—56 Bothwell.
London, Eng.—15 Mallow.
Birmingham, Eng.
Paris, France—50 Rue Claude-Velle Faux.

**DAVEY, W. O. & SONS**.....**1177**
169 Laidlaw av, Jersey City, N. J.

**DAYTON BEATER & HOIST CO**.....**969**
Dayton, O.

**DE BAR COMPANY**.....**192 & 1768**
1 State, New York

**DeLAVAL STEAM TURBINE CO**.....**1334 & 1738**
De Laval Steam Turbine Co., Nottingham Way, Trenton, N. J.
De Laval Steam Turbine Co., Peoples Gas Bldg., Chicago, Ill.

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De Laval Steam Turbine Co., L. C. Smith Bldg., Seattle, Wash.
Dravo-Doyle Company, Commercial Trust Bldg., Phila., Pa.
Dravo-Doyle Company, Citizens Building, Cleveland, O.
Dravo-Doyle Company, Diamond Bank Bldg., Pittsburgh, Pa.
Dravo-Doyle Company, Merchants Bank Bldg., Indianapolis, Ind.
Turbine Equipment Co., Ltd., Dack Building, Toronto, Canada.
Turbine Equipment Co., 50 Church, New York City.
Power Equipment Co., 131 State, Boston, Mass.
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E. Laurie Company, 243 Bleury, Montreal, Canada
J. R. Purser, Commercial Bank Bldg., Charlotte, N. C.
Salt Lake Hardware Co., Salt Lake City, Utah.
Taylor Engineering Co., Credit Foncier Bldg., Vancouver, B. C.
N. C. Walpole, American Trust Bldg., Birmingham, Ala.
Kelvin Engineering Co., 32 Broadway, New York City.
Kelvin Engineering Co., Havana, Cuba.

**DELAWARE HARD FIBRE CO**.....**580**
Wilmington, Del.
WORKS:
Marshallton, Del.
BRANCH OFFICES:
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Boston, Mass.—170 Summer.
Chicago, Ill.—564-570 W. Monroe
Dayton, O.—Reibold bldg
Detroit, Mich.—1508 Kresge bldg
New Haven, Conn.—211 Colonial bldg
New York—1358 Hudson Terminal bldg
Philadelphia, Pa.—Widener bldg
Pittsburgh, Pa.—First National Bank bldg
Rochester, N. Y.—1040 Granite bldg
San Francisco, Cal.—428 Market.
Toledo, O.—419 Ohio bldg
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Paris, France—5 Impasse Gaudelet, 114 Rue Oberkampf.
FOREIGN OFFICE:
Paris, France—5 Impasse Gaudelet, 114 Rue Oberkampf.

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Detroit, Mich.—Kerr Machy. & Supply Co.
Kansas City—English Tool & Supply Co.
New York—Ralph B. Carter Co., 152 Chambers.
Philadelphia, Pa.—W. P. Dallett Co.
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San Francisco, Cal.—Crane Co.
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**DESSAU, D.** .....**234 & 1698**
180 Broadway, New York.

**DESSAU, MAURICE S**.....**473**
6 Maiden la, New York

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**D'ESTE, JULIAN CO.....1383**
26 Canal, Boston 14, Mass.

**DETROIT HOIST & MACHINE CO.**
**15, 434, 763, 954, 1288 & 1740**
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555-567 Fort, W. Detroit, Mich.

**DEVOE & RAYNOLDS CO., INC.....1210**
101 Fulton, New York.
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New Orleans, La.
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9th & Clinton, St. Louis, Mo.

**DIAMOND EXPANSION BOLT CO..... 146**
**89 West, New York.**
**FACTORY:**
**Garwood, N. J.**
**BRANCH OFFICES:**
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**St. Louis, Mo.—1735 Boatman's Bank bldg**
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Montreal, Que., Can.—290 St. Paul West.
Toronto, Ont., Can.—193 Spadina av
Winnipeg, Man., Can.—503 Keewayden bldg

**DIAMOND SAW & STAMPING WORKS.....1438**
357 7th, Buffalo, N. Y.

**DIEBOLD SAFE & LOCK CO.....1424**
Canton, O.

**DIE CASTING CO. OF OHIO.....264**
Toledo, Ohio

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Detroit, Mich.—J. W. Dopp & Co., 18 Columbus st, W.
Richmond, Va.—Shields M. Bishop, 905-4th av.
FOREIGN OFFICES:
Christiana, Norway—Maskin-Import A/S.
London—Allis-Chalmers Co., 732 Salisbury; House,
Paris—Fenwick Freres, 8 Rue de Rocay; 112 Boulevard des Belges, Lyon; Fratelli, Fenwick, 6 Via Lagrange, Turin.
Santiago, Chile—Allis-Chalmers Co.
Tokio, Japan—Mitsui & Co.
Yokohama, Japan—Mitsui & Co. & American Trading Co.

**DITCHETT, THOS. (Est.).....1412**
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**DOBBIE FOUNDRY & MACHINE CO..433, 471 & 1807**
Niagara Falls, N. Y.
BRANCH OFFICES & WAREHOUSES:
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Cleveland, O.—Beckwith Machy. Co., 1227 W. 9th
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**DOMINION ASBESTOS & RUBBER CO.....55**
154 Nassau, New York.
BRANCH OFFICES:
Baltimore, Md.—116 S. Frederick
Cincinnati, O.—410-414 Plum
Indianapolis, Ind.
Los Angeles, Calif.
New York, N. Y.—67 Murray.
Norfolk, Va.—312 City Hall av
Philadelphia, Pa.—110 Walnut.
San Francisco, Cal.
Seattle, Wash.

**DONLEY BROS. CO. .....357**
3625 E. 74th, Cleveland, O.

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**DOVER BOILER WORKS.....1536 & 1623**
SALES OFFICE: 40 Church, New York.
WORKS:
Dover, N. J.

**DOWNEY, T. F. BOILER WORKS.....696**
321-323 W. Austin av, Chicago, Ill.

**DREIS AND KRUMP MFG. CO. ... .....417 & 989**
2901 S. Halsted, Chicago, Ill.

**DRIVER-HARRIS CO. .....274**
Harrison, N. J.

**DUFF MFG. CO. .....812**
N. S. Pittsburgh, Pa.
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**Atlanta, Ga.—Candler bldg**
**Chicago, Ill.—Peoples Gas bldg**
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**DUNN, J. T. CO., INC.,.....303, 1013 & 1575**
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**DUQUESNE ELECTRIC AND MFG. C. .....1157**
Bessemer bldg, Pittsburgh, Pa.

**DYAR SUPPLY CO. .....56, 355, 358, 1278 & 1428**
Cambridge, Mass.

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**EAGLE BRASS FOUNDRY CO. ... ... .....172**
21 Spokane, Seattle, Wash.

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Worcester, Mass.—Cushing st.
Hartford, Conn.—147 Oakland Terrace.
Albany, N. Y.—662 Myrtle av.

**EASTERN TUBE AND TOOL CO., INC. .....310**
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**EASTON CAR & CONSTRUCTION CO.**
**241, 243, 249 & 1709**
198 Fulton, New York

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**644. (See also back edge of book.)**
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Detroit, Mich.—W. C. Beaufore, 1012 Majestic bldg.
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**Detroit, Mich.—Dime Bank bldg**
**New York—66 Church.**
**Pittsburgh, Pa.—Oliver bldg**
**FOREIGN OFFICE:**
**Toronto, Ont., Can.—Traders' Bank bldg**

**ELECTRIC FURNACE CO. .....630 & 634**
Alliance, O.

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**ELECTRIC STEEL AND FORGE CO.** .....1559
6600 Grant av, Cleveland, O.

**ELECTRIC WHEEL CO.** .....1724 & 1801
Station D., Quincy, Ill.

**ELECTRICAL MANUFACTURERS EQUIPMENT CO.** .....916
712 Postal Telegraph bldg, Chicago, Ill.

**ELECTROLABS COMPANY** .....1196
2635 Penn av, Pittsburgh, Pa.
BRANCH OFFICES:
New York—30 Church
Philadelphia, Pa.—Morris bldg
San Francisco, Calif.—Merchants Exchange bldg

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1111 Bush, Baltimore, Md.

**ELLIOTT, B. K. CO.** .....495
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**ELMES, CHARLES F. ENGINEERING WORKS**..1311
Cor. Fulton & Sangamon, Chicago, Ill.

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**See Adv. Outside Back Cover**
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Argentine.
Buenos Aires—Calle Carrientes, 685.
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**ERDLE PERFORATING CO.** .....1120
181 York, Rochester, N. Y.

**ERIE BRONZE CO**..... 261
353 W. 19th, Erie, Pa.

**ERIE PUMP & ENGINE WORKS**.....1334
141 Glenwood av, Medina, N. Y.

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159, 162, 163, 166, 167, 494, 712, 713, 714, 716, 720, 834, 1206, 1245, 1254, 1282, 1364, 1399, 1410, 1505, 1509, 1523, 1525, 1582, 1703, 1739, 1833 & 1834
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**ESTEY BROTHERS CO.** .....1816
270 Union av, Brooklyn, N. Y.

**EUCLID CRANE & HOIST CO.**
437, 443, 763, 766, 955 & 1153
Euclid, O.
New York—50 Church
Pittsburgh, Pa.—Oliver bldg
Saginaw, Mich.—Bearinger bldg
Chicago, Ill.—Transportation bldg
Cleveland, O.—Citizens bldg
San Francisco, Calif.—Rialto bldg
Los Angeles, Calif.—407 E. 3rd

**EVEREADY MFG. CO. OF BOSTON**.....967
5 Knapp, Boston, Mass.

**EXCELSIOR STEEL BALL CO**..... 75
P. O. Box 52, Buffalo, N. Y.


## F


**FABRICATED STEEL PRODUCTS CORP.** .....1639
Box 505, Leetonia, O.

**FALK COMPANY** .....672
Milwaukee, Wis.

**FARRAR AND TREFTS, INC.** .....267
Buffalo, New York

**FAWCUS MACHINE CO.**.....668
2818 to 2828 Smallman, Pittsburgh, Pa.

**FERGUSSON, ALEX. C., JR.**..... 23 & 303
474 Chestnut, Philadelphia, Pa.

**FISCHER & HAYES ROPE & STEEL CO**.....1824
742-744 W. Van Buren, Chicago, Ill.

**FISHEL & MARKS CO**.....1560
Foot of Krakow av, Cleveland, O.
BRANCH OFFICES:
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Pittsburgh, Pa.—Frick bldg
Detroit, Mich.—Dime Bank bldg

**FLEIG, L. L. & CO**.....1648
212 W. Austin av, Chicago, Ill.

**FLINN & DREFFEIN CO**.....639, 647 & 1359
431 S. Dearborn, Chicago, Ill.

**FOOT BROS. GEAR & MACHINE CO**..667, 670 & 1156
**213 N. Curtis, Chicago, Ill.**

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**FORBES & MYERS**.....698
169 Union, Worcester, Mass.

**FOREIGN CRUCIBLE CORP., LTD**.....448
Fulton & Church, New York.

**FT. WAYNE IRON STEEL ROLLING MILLS**
84, 149, 358, 804, 1575 & 1694
West Taylor, Fort Wayne, Ind.

**FOSTER PUMP WORKS, INC**.....1330 & 1331
37 Bridge, Brooklyn, N. Y.

**FOXBORO CO., INC., THE**.....402, 657, 1379 & 1678
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**New York—50 Church.**
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Pittsburgh, Pa.—Park bldg
St. Louis, Mo.—Railway Exch. bldg.
**San Francisco, Cal.—461 Market.**
Tulsa, Okla.—Oklahoma Gas bldg
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**London, England (Sanders, Rehders & Co.).**
**Montreal, Canada (Peacock Bros.).**
Tokio, Japan—(L. J. Healing & Co.)

**FRANKLIN MACHINE CO**.....1674
1 Park, Providence, R. I.

**FRICK & LINDSAY CO**.....1124, 1263 & 1837
Sandusky & Robinson, Pittsburgh, Pa.

**FULLER-LEHIGH CO.** .....976
Fullerton, Pa.

**FULLER STEEL & IRON CO**.....1561
Park bldg, Pittsburgh, Pa.

**FULTON IRON WKS. CO**.....1145
St. Louis, Mo.

**FURMAN-FISHER CORP**.....414, 533, 993 & 1640
32 Church, New York


## G


**GANSCHOW, WM. CO.**.....669
**1001 Washington blvd., Chicago, Ill.**

**GARDNER GOVERNOR CO**.....1328
23 Williamson, Quincy, Ill.

**GARWOOD BRONZE & IRON WORKS**.157, 859 & 1360
Garwood, N. J.

**GAS ENGINEERING CO**.....648
Trenton, N. J.

**GASKET SUPPLY CO**.....653
**1927 Ludlow, Philadelphia, Pa.**

**GEHNRICH INDIRECT HEAT OVEN CO., INC**..1195
Skillman av & Honeywell, Long Island City, N. Y.
BRANCH:
Chicago, Ill.—327 S. La Salle

**GEM MFG. CO.**
229, 300, 321, 476, 1179, 1180, 1474, 1544, 1547, 1704 & 1705
Goebel nr Fulton, N. S., Pittsburgh, Pa.
BRANCH OFFICE:
Philadelphia, Pa.—Bourse bldg

**GENERAL ELECTRIC CO**.....516 & 517
Schenectady, N. Y.
SALES OFFICES:
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**Baltimore, Md.—Lexington bldg.**
**Birmingham, Ala.—Brown-Marx bldg**
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**Butte, Mont.—Electric bldg**
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**Charlotte, N. C.—Commercial Nat'l Bank bldg**
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Chicago, Ill.—sMonadnock Block
**Cincinnati, O.—Provident Bank bldg**
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Columbus, O.—Hartman bldg
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Stockholm, Sweden—Walter & Co., 32 Hamngatan
**Sydney, N. S. W. Australia—Gibson, Battle & Co. (Ltd.), 535 Kent.**
Tokyo, Japan—Andrews & George, 16 Takegawa-Cho, Kiobashi-ku.
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625 Champlain av, Cleveland, O.

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8th av & 20th, Beaver Falls, Pa.

**KEYSTONE PRINTED SPECIALTIES CO**.....1711
325 Pear, Scranton, Pa.

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Oliver bldg, Pittsburgh, Pa.

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194 Chapel, New Haven, Conn.

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Columbus, O.

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Birmingham, Ala.

**KILBY PIPE & FOUNDRY CO**..... 254
Birmingham, Ala.

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716-766 Field av, Columbus, O.

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38 Park Row, New York

**KLEINHANS, H., CO**..... 398
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**KNAPP, ARTHUR, ENGINEERING CORP**..... 660
19 W. 44th, New York

**KNICKERBOCKER CASE CO**.....253 & 1426
Fulton & Clinton, Chicago, Ill.

**KOENIG, EDWARD L**.....872 & 1723
23 W. Kinzie, Chicago, Ill.

**KOVEN, L. O., & BRO**.....1630
154 Ogden av, Jersey City, N. J.

**KUNKLE VALVE CO**.....1748
Fort Wayne, Ind.

**KUTZTOWN FOUNDRY & MACHINE CO**..... 553
1421 Chestnut, Phila., Pa.
WORKS:
Kutztown, Pa.

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**LAKESIDE BRIDGE & STEEL CO**..... 438
402 Villard av, No. Milwaukee, Wis.

**LAKESIDE FORGE CO**.....1836
Erie, Pa.

**LAKESIDE METAL & WOOL STOCK CO**.....1448
Lakeside av & E. 38th, Cleveland, O.

**LAKEWOOD ENGINEERING CO.,**
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Pittsburgh, Pa.—W. D. Stevenson, Farmers Bank bldg

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14 John, New York

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London, Eng.

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**LIDSEEN, GUSTAVE** .....1179
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Portland, Ore.—1st & Stark
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Copenhagen—B. Denmark Resk Heating Co. (Ltd.), Gothersgade 155
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1695 Jos. Campeau, Detroit, Mich.

**MICHIGAN WIRE CLOTH CO.**.....1816
500 Howard, Detroit, Mich.

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480 Broome, New York

**MIKESELL BROS. CO.** ..... 54
156 No. La Salle, Chicago, Ill.

**MILWAUKEE BRUSH MFG. CO.**.....194
Milwaukee, Wis.

**MODERN TOOL CO.** ..... 474
300 State, Erie, Pa.

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39 S. La Salle, Chicago, Ill.

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Broadway & Dock, St. Louis, Mo.

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Alliance, O.

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37 So. Desplaines, Chicago, Ill.

**MORRILL, CHAS.**.....1321, 1439 & 1513
100 Lafayette, New York

**MORSE CHAIN CO.** ..... 503
Ithaca, N. Y.

**MORSE, FRANK W.**.....494, 598 & 841
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San Francisco, Cal.—S. F. Wilber, 268 Market

**MUNCIE CAP & SET SCREW CO.**.....1458
Muncie, Ind.

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722 Frelinghuysen av, Newark, N. J.

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Boston, Mass.—Waldo Bros. & Bond Co., 181 Congress St.
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**MUTUAL MACHINE CO.** ..... 820
27 Wells, Hartford, Conn.

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Ross Bros. Co.

CANADIAN DISTRIBUTING HOUSES
Calgary, Alberta, N. W. T.—J. H. Ashdown Hardware Co., Ltd.
Hamilton, Ont.—Wood, Vallance & Co.
London, Ont.—Hobbs Hardware Co., Ltd.
Manitoba, Man.—J. H. Ashdown Hdw. Co., Ltd.
Montreal, Que.—Lewis Bros., Ltd.
Sussex, N. B.—H. H. Dryden
Vancouver, B. C.—E. G. Prior Co., Ltd.
Victoria, B. C.—E. G. Prior Co., Ltd.
Winnipeg, Man.—J. H. Ashdown Hardware Co., Ltd.

**MYERSON, JOSEPH** .....1158
411 Atlantic av, Boston, Mass.

## N

**NATIONAL GAUGE & EQUIPMENT CO**..... 658
La Crosse, Wis.
BRANCHES:
New York—51 E. 42nd
Chicago, Ill.—Railway Exchange bldg
Detroit, Mich.—Kresge bldg
San Francisco, Cal.—67 2nd

**NATIONAL SHEET METAL ROOFING CO**.....1487
339 Grand, Jersey City, N. J.

**NATIONAL SMELTING CO**..... 17
6800 Grand av., Cleveland, O.

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**NATIONAL TANK & PIPE CO**.....1624
6800 Grand av, Cleveland, O.

**NATIONAL TOOL CO**.....426, 461 & 1373
Cleveland, Ohio

**NATIONAL TRANSIT PUMP & MACHINE CO**...1346
Oil City, Pa.
BRANCH OFFICES:
Charlotte, N. C.—Realty bldg
Kansas City, Mo.—319 Reliance bldg
New York—30 Church
Philadelphia, Pa.—1325 Widener bldg
Pittsburgh, Pa.—1421 Farmers Bank bldg
DOMESTIC AGENCIES:
Beaumont, Tex.—E. L. Wilson Hardware Co.
San Francisco, Cal.—Dorward Engng. Co., 503 Market
Seattle, Wash.—Mudge-Huffman & Co., 1807 L. C. Smith bldg
St. Louis, Mo.—Reeves & Skinner Machinery Co., 2211 Olive
Tulsa, Okla.—Frick-Reid Supply Co.

**NELKE, L. D**.....1498
16-18 West 36th, New York

**NELSON-BLANCK MFG. CO**..... 941
Dubois and Clay avs, Detroit, Mich.

**NEWARK WIRE CLOTH CO**.....1452 & 1818
222-228 Verona av, Newark, N. J.

**NEW DEPARTURE MFG. CO**..... 93
Bristol, Conn.
Chicago, Ill—2721 S. Michigan av
Detroit, Mich.—Ford bldg

**NEW ENGLAND TANK & TOWER CO**..... 10
42 Main, Everett, Mass.

**NEW HAVEN SCREW CO**.....1458
191 Foster, New Haven, Conn.

**NEW JERSEY TERRA COTTA CO**.....1659
OFFICE:
Singer bldg, New York
FACTORY:
Perth Amboy, N. J.
AGENTS:
Boston, Mass.—Fiske & Co., Inc., 30 Franklin St.
Detroit, Mich.—F. B. Holmes & Co., Third av & York St.
Cincinnati, O.—E. F. Grand Brick Co., Mercantile Library bldg
Columbus, O.—Allan Ross Raff, 63 Ruggery bldg
Charlotte, N. C.—Hinson Brick & Supply Co.
New Orleans, La.—Erskine W. Fisher, 714 Union St.
Baltimore, Md.—Chevalier & Tully, 218 East Lexington St.
Lansing, Mich.—Briggs Co.
Norfolk, Va.—Grover L. White, Withers bldg
Montreal, Can.—Webster & Sons, Ltd., 31 Wellington St.

**NEW JERSEY WIRE CLOTH CO**.....1818
Trenton, N. J.

**NEWMAN MFG. CO**.....817 & 994
542 W. Jackson blvd., Chicago, Ill.

**NEWMAN MFG. CO**.....1366
717 Sycamore, Cincinnati, O.
BRANCH OFFICES
Chicago, Ill.—68 W Washington

**NEW YORK THERMOMETER CO**.....1679
36 East 23rd, New York

**NIAGARA EMERY MILLS, INC**..... 526
50 Broad, New York
MILLS:
Lockport, N. Y.

**NIAGARA FALLS (ONT.) GASKET & PACKING CO.** .....1205
Fulton & Church, New York

**NIAGARA MACHINE & TOOL WORKS**..... 989
Buffalo, N. Y.

**NICHOLLS, WM. H., CO**..... 963
2 College pl., Brooklyn, N. Y.

**NICHOLS, GEO. P., & BRO**.....1620 & 1740
2139 Fulton, Chicago, Ill.

**NICHOLSON FILE CO**..... 582
Providence, R. I.
BRANCH FACTORIES:
Anderson, Ind.
Paterson, N. J.
FOREIGN OFFICE
Port Hope, Ont., Canada

**NIELSEN-BARTON CHUCK CO**.....311
106 So. Jefferson, Chicago, Ill.

**NILSON-MILLER CO**..... 671
1300-1306 Hudson, Hoboken, N. J.

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**NOBACH, W. J., PATTERN WORKS**.....1243
411-413 S. Clinton, Chicago, Ill.

**NORMA CO. OF AMERICA**.....95
Anable av, Long Island City, N. Y.

**NORTH SIDE TOOL CO**.....1702
17-19 Maryland av, Dayton, O.

**NORTHERN ENGINEERING WORKS**.....436
9 Chene, Detroit, Mich.
BRANCH OFFICES
Boston, Mass.—201 Devonshire
Chicago, Ill.—332 So. Mich av
Cleveland, O.—Marshall bldg
New York—120 Liberty
Phila., Pa.—1313 Penn bldg
Pittsburgh, Pa.—Benedum-Trees bldg
CANADIAN SALES OFFICE
Toronto, Ont., Can.—923 Traders Bank bldg
CANADIAN WORKS
Walkerville, Ont., Can.—Northern Crane Works, Ltd.
FOREIGN OFFICES:
Paris, France—8 Rue De Roercy

**NORTHERN FIRE APPARATUS CO**.....1345
2422 Univ. av, S. E., Minneapolis, Minn.

**NUGENT, WM. W. & CO**
586, 965, 1178, 1180, 1181, 1314 & 1496
146 W. Superior st., Chicago, Ill.
REPRESENTED BY
New York, N. Y.—Wm. J. McAuslin & Co., 136 Liberty
Pittsburgh, Pa.—Laughlin, Green Co., Keystone bldg
Portland, Ore.—Pacific Asbestos & Supply Co.
FOREIGN AGENTS
Carlisle, England—Rimington Bros.
Montreal Que., Canada—Darling Bros., Ltd.
Vancouver, B. C., Can.—Darling Bros., Ltd.
Winnipeg, Man., Can.—Darling Bros., Ltd.

**NUTTALL, R. D., CO**.....668
McCandless & Harrison av., Pittsburgh, Pa.
BRANCH OFFICES:
2133 Conway bldg, Chicago, Ill.
Broad & Locust, Phila., Pa.
Represented by Westinghouse Electric & Manufacturing Company
DISTRICT SALES OFFICES:
Atlanta, Ga.—127 Peachtree
Baltimore, Md.—121 E. Baltimore
Birmingham, Ala.—1st av & 20th
Bluefield, W. Va.—Law and Commerce bldg
Boston, Mass.—10 High
Buffalo, N. Y.—Ellicott Square
Butte, Mont.—52 E. Broadway
Charleston, W. Va.—Kanawha Nat'l Bank bldg
Charlotte, N. C.
Chattanooga, Tenn.—Hamilton Nat'l Bank bldg
Chicago, Ill.—111 W. Washington
Cincinnati, Ohio—5th & Walnut
Cleveland, Ohio—1010 Euclid av
Columbus, Ohio—3d & Rich
Dallas, Texas—Akard & Wood
Dayton, Ohio—S. Main
Denver, Colo.—910 15th
Des Moines, Iowa—608 Securities bldg
Detroit, Mich.—Fort & Griswold
Duluth, Minn.—Alworth bldg
El Paso, Texas—Oregon & Mills
Houston, Texas—Union National Bank bldg
Indianapolis, Ind.—Illinois & Market
Joplin, Mo.—Miner's Bank bldg, room 306
Kansas City, Mo.—1012 Baltimore av
Louisville, Ky.—312 4th av
Los Angeles, Cal.—7th & Spring
Memphis, Tenn.—6 N. 2nd
Milwaukee, Wis.—425 E Water
Minneapolis, Minn.—119-131 S. 3rd
New Orleans, La.—921 Canal
New York, N. Y.—165 Broadway
Philadelphia, Pa.—1325-1329 Chestnut
Pittsburgh, Pa.—306 Wood
Portland, Ore.—Broadway & Morrison
Rochester, N. Y.—119 E. Main
St. Louis, Mo.—300 N. Broadway
Salt Lake City, Utah—2nd St. S. & Main
San Francisco, Cal.—1 Montgomery
Seattle, Wash.—2nd & Cherry
Syracuse, N. Y.—University bldg
Tucson, Ariz.—Immigration bldg
Toledo, Ohio—Madison av & Superior
Washington, D. C.—723 15th, N. W.
Wilkes-Barre, Pa.—Miner's Bank bldg

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FOREIGN REPRESENTATIVES:
Westinghouse Electric International Company all foreign countries except France, Italy and Canada
New York—165 B'way
Paris, France—Ernest Demoly
Milan, Italy—Geovanni Chechetti
Montreal, Que., Can.—Lyman Tube & Supply Co.
Toronto, Ontario, Can.—Lyman Tube & Supply Co.

## O

**OCEAN SHORE IRON WORKS**.....135 & 139
550 8th, San Francisco, Calif.

**OHIO BRASS CO**.....1365
Mansfield, Ohio

**OHIO ELECTRIC & CONTROLLER CO**...1088 & 1159
5900 Maurice av, Cleveland, O.

**OHIO MFG. CO**.....165
P. O. Box 358, Painesville, O.

**OIL & WASTE SAVING MACHINE CO.**
586, 965, 1005, 1468, 1706 & 1811
Real Estate Trust bldg, Phila., Pa.

**O. K. CLUTCH AND MACHINERY CO**.....761
Columbia, Pa.

**OLD DOMINION IRON AND STEER CORP**.....807
Richmond, Va.
BRANCH OFFICES:
Washington, D. C.—C. H. Kadie, 924 Colorado bldg
Baltimore, Md.—Sand, Hulfish & Lassell

**OSBORN MFG. CO**.....193, 194, 195, 196, 197, 198, 200, 511, 624, 936, 956, 980, 996 & 998
5401 E. Hamilton av, Cleveland, O.

**OSBORNE, C. S., & CO**.....711, 828 & 1356
Box 183, Newark, N. J.

**OVEN EQUIPMENT AND MFG. CO**.....1195
New Haven, Conn.

## P

**PAASCHE AIR BRUSH CO**.....194
1249 Washington blvd., Chicago, Ill.

**PACIFIC BUILDER & ENGINEER**
Inside of Back Cover
Seattle, Wash.

**PAGE BOILER CO**.....139
817 Larrabee, Chicago, Ill.

**PAGE & JONES**.....1487
Mobile, Ala.—Bank of Mobile bldg
St. Louis, Mo.—358 Pierce bldg
FOREIGN REPRESENTATIVES:
London, Eng.—C. G. Ashdown, 23 Billiter, E. C.
Rotterdam, Holland—Ruys & Co.
Havre, France—Bauzin & Co.
Bordeaux, France—Th. Colbornbier
Antwerp, Belgium—J. P. Best & Co.

**PARAFFINE COMPANIES, INC**.....1411
34 First, San Francisco, Cal.

**PARKER, C. H., CO**.....528, 1213, 1241 & 1768
Valparaiso, Ind.

**PARTRIDGE, E. O**.....699
2039-49 W. Lake, Chicago, Ill.

**PAUL AND FULTON, INC**.....623
31 W. Kinzie, Chicago, Ill.

**PAWLING & HARNISCHFEGER CO**.....437
Milwaukee, Wis.
BRANCH OFFICES:
Chicago, Ill.—1241 Monadnock block
Los Angeles, Cal.—1104 Central bldg
Phila., Pa.—704 Stephen Girard bldg
Pittsburgh, Pa.—47 Fidelity bldg
Portland, Ore.—Pittock block
New Orleans, La.—926 Whitney Central bldg
New York, N. Y.—30 Church
San Francisco, Cal.—821 Monadnock bldg

**PEASE, C. F., CO**.....127
820 N. Franklin, Chicago, Ill.

**PECK, STOW & WILCOX CO**.....990, 1691 & 1839
Southington, Conn.
Cleveland, O.—2172-2232 W. 3d
New York—46 W. B'way

**PEERLESS IRON PIPE EXCHANGE, INC**.....1257
302 B'way, New York
WAREHOUSE:
Long Island City, N. Y.

**PEERLESS MACHINERY CO**.....1773
162-166 N. Clinton, Chicago, Ill.

**PENCIL EXCHANGE**.....8 & 1245
73 Fleet, Jersey City, N. J.

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**PENN SEABOARD STEEL CORP**.....22, 113 & 277
Franklin Bank bldg, Phila., Pa.
WORKS:
Chester, Pa.
New Castle, Del.
New Haven, Conn.
BRANCH OFFICES:
New York—2 Rector, L. G. W. Carpenter, District Sales Manager
Boston, Mass.—141 Milk, C. G. Fallon, District Sales Manager
Cleveland, O.—Swetland bldg, W. W. Keefer, District Sales Manager
Chicago, Ill.—Marquette bldg, F. W. Hillwick, District Sales Manager

**PENNSYLVANIA INSTRUMENT CO**.....531
618 Chestnut, Phila., Pa.

**PEREY MFG. CO., INC**.....1739
30 Church, New York

**PERKINS MFG. CO**.....490
Univ. & Fairview avs, St. Paul, Minn.

**PETERSON, F. W. CO**.....720
18 Greene, New York

**PETTIS, W. W. CO**.....256
416-417 First Nat'l Bank bldg, Cincinnati, Ohio

**PHOENIX ELECTRIC CO**.....1157
Mansfield, Ohio

**PHOENIX WIRE WORKS**.....1817
Kirby & Dequindre, Detroit, Mich.

**PITTSBURGH-DES MOINES STEEL CO.** 1606, 1642 & 1648
4th & Ross, Pittsburgh, Pa.
CONTRACTING OFFICES:
Chatham, Ont.—288 Inshes av.
Chicago, Ill.—40 S. Dearborn
Dallas, Texas—1221 Praetorian bldg
Des Moines, Ia.—9th & Tuttle
New York—48 Church
San Francisco, Cal.—8316 Rialto bldg
Washington, D. C.—968 Munsey bldg

**PLUMB, D. S**.....1161
73-77 Norfolk nr Central av, Newark, N. J.

**PLUNKET, JAS. E**.....1777
1345 W. Lake, Chicago, Ill.

**PORTER, C. O., MACHY. CO**.....1012
666-8 Front av, Grand Rapids, Mich.

**PORTER, H. K**.....324
6 Ashland, Everett, Mass.

**PORTLAND-MONSON SLATE CO**.....1506
Portland, Me.
QUARRIES:
Monson, Me.

**POWELL, WM., CO**.....1748
Cincinnati, Ohio

**POWER SPECIALTY CO**.....1609
111 B'way, New York

**PRECISION INSTRUMENT CO**.....661
21 Halsey, Newark, N. J.

**PRESTON MOTORS CORP**.....65
2702 N. 24th, Birmingham, Ala.

**PROBST, C. F., MFG. CO**.....1393
530 Watertown av, Waterbury, Conn.

**PROCTOR & SCHWARTZ, INC**.....508
7th and Tabor rd, Philadelphia, Pa.

**PULLMAN VENTILATOR & MFG. CO**.....1773
York, Pa.

**PURDY, A. R., CO., INC**.....1580
130 Christopher, New York

## Q

**QUADRIGA MFG. & SPECIALTY CO**.....1785
213-221 W. Grand av, Chicago, Ill.

## R

**RAILWAY ROLLER BEARING CO**.....99
Syracuse, N. Y.

**RANDENBURG, ERNEST M. E**.....476
208 E. 27th, New York

**RANDOLPH BOX AND LABEL CO**.....159 & 160
843 West Van Buren, Chicago, Ill.

**RAU APPRAISAL CO**.....26
Patton bldg., Milwaukee, Wis.
BRANCH OFFICE:
Chicago, Ill., 1632 Monadnock blk.

**READING CHAIN AND BLOCK CORP**.....437
Reading, Pa.

**REDLICH MFG. CO**.....566
637-647 W. Oak, Chicago, Ill.

**REEVES BROS. CO**.....825 & 1624
Alliance, Ohio.

**RELIANCE ELECTRIC & ENGINEERING CO.,** 1156, 1158 & 1160
1064 Ivanhoe rd, Cleveland, O.

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BRANCHES:
Boston, Mass.—10 High.
Chicago, Ill.—Fisher bldg
Cincinnati, Ohio.
Detroit, Mich.—Temple bldg.
New York—46 Dey.
Philadelphia, Pa.—Pennsylvania bldg.
Pittsburgh, Pa.—Arrott bldg

**RELIANCE FIREPROOF DOOR CO**.....490
West & Milton, Brooklyn, N. Y.

**REPUBLIC CREOSOTING CO**.....606
Indianapolis, Ind.

**REVOLVATOR CO.**.....525
395 Garfield av., Jersey City, N. J.

**RHODES MFG. CO**.....988
Hartford, Conn.

**RICHMOND HILL FOUNDRY CO**.....268
Richmond Hill, N. Y.

**ROBERTS MFG. CO**.....324
Somerville, Mass.

**ROBERTSON BROS. MFG. CO**.....1259
5401 Western av, Chicago, Ill.

**ROBINS CONVEYING BELT CO**.....404
13 Ann st., New York

BRANCH OFFICES:
Birmingham, Ala.—C. B. Davis Eng. Co., Brown-Marx bldg
Chicago, Ill.—Old Colony bldg
Pittsburgh, Pa.—Union Arcade bldg
Salt Lake City, Utah—New House bldg
San Francisco, Cal.—The Griffin Co., Holbrook bldg
FOREIGN OFFICES
London, Eng.—Fraser & Chalmers, Moorgate Hall, Finsbury Pavement
Toronto, Ont., Can.—Gutta Percha & Rubber (Ltd.)

**ROBINSON TOOL WORKS, INC**.....947
Waterbury, Conn.

**ROCHESTER CAN CO**.....227
89 Hague, Rochester, N. Y.

**ROCKWELL, W. S. CO**.....635
50 Church, New York

**RODEFER GLASS CO., THE**.....683
Bellaire, O.

**ROE & CONOVER**.....1488
206-210 Frelinghuysen av, Newark, N. J.

**ROEBLING'S, JOHN A., SONS COMPANY**.....1824
Main Office: Trenton, N. J.
WORKS
Trenton & Roebling, N. J.
BRANCH OFFICES
Atlanta, Ga.—69 Walton
Boston, Mass.—John A. Roebling's Sons Company of New York, 93-95 Pearl
Chicago, Ill.—165 W Lake
Cleveland, O.—701 St. Clair av, N E
Los Angeles, Cal.—John A. Roebling's Sons Co. of Cal., 216 S Alameda
New York—John A. Roebling's Sons Company of New York, 117-119-121 Liberty
Philadelphia, Pa.—223-227 Arch
Pittsburgh, Pa.—Sandusky & Robinson, N S
Portland, Ore.—John A. Roebling's Sons Company of Cal., 487 Lovejoy
San Francisco, Cal.—John A. Roebling's Sons Company of Cal., 624-646 Folsom
Seattle, Wash.—John A. Roebling's Sons Company of Cal., 900 1st av, S

**ROGERS FIBRE CO**.....581 & 1725
121 Beach, Boston, Mass.
BRANCH OFFICES:
New York, N. Y.—43 W. 16th
Phila., Pa.—1024 Filbert

**ROGERS, H. A. CO**.....656
87 Walker, New York

**ROLLIN CHEMICAL CORP**.....79
120 Broadway, New York.
WORKS:
South Charleston, W. Va.
Johnson City, Tenn.
Evington, Va.

**ROME WIRE CO**.....1814
Rome, N. Y.

**ROOVERS BROS.**.....1056
100 Schermerhorn, Brooklyn, N. Y.

**ROSEALENE PRODUCTS CO**.....483 & 1294
667 Howard, San Francisco, Cal.

**ROW & DAVIS, ENGINEERS, INC**.....552, 586 & 747
90 West, New York

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**RUSSELL SPECIALTY MFG. CO.....580**
2944 W. Lake. Chicago, Ill.

**RYERSON, J. T. & SON**
**66, 131, 292, 960, 972, 1441, 1573 & 1580**
2558 W. 16th, Chicago, Ill.
WAREHOUSES:
Chicago—16th & Rockwell
St. Louis—2208 N. 2nd.
Detroit—470-474 Euclid av, East.
Buffalo—Bailey av & Stanley.
New York—Westside av, Jersey City, N. J.
BRANCH OFFICES:
Cleveland—Western Reserve bldg
Milwaukee—731 Wells bldg
Philadelphia—617 Widener bldg
Boston—40 Court, room 615 Scollay bldg
Pittsburgh—2202 Oliver bldg
Minneapolis—1103-04 Plymouth bldg
Houston—1008 Union Nat'l Bank bldg
Newark—Kinney bldg., 790 Broad.
San Francisco—815 Balboa bldg
Toledo—419 Ohio bldg
Denver—609 Ideal bldg.

## S

**SAAL, H. G. CO.....264 & 1160**
1800 Montrose av, Chicago, Ill.

**SAFETY FIRE EXTINGUISHER CO.....590**
295 7th av, New York.

**ST. PAUL FOUNDRY CO.....1577**
Como av and Mackubin, St. Paul, Minn.

**SAMUEL, FRANK .....573**
Harrison bldg., Philadelphia, Pa.

**SANDOVAL ZINC CO.....1522**
410 N. Peoria, Chicago, Ill.

**SARCO CO. (INC.).....1384, 1714 & 1716**
8 Park pl, New York.
BRANCH OFFICES:
Buffalo, N. Y.—325 Ellicott sq
Cleveland, O.—711 Williamson bldg
Philadelphia, Pa.—963 Drexel bldg
Detroit, Mich.—1202 Majestic bldg
Chicago, Ill.—Monadnock blk
SALES REPRESENTATIVES:
Mr. E. J. Deckman, 1417 Oliver bldg, Pittsburgh, Pa.
Mr. F. Wehle, 1008 Starks bldg, Louisville, Ky.
Mr. J. H. Kivlan, 939 W. La Salle av, South Bend, Ind.
Stacy-Bates Co., 815 McKnight bldg, Minneapolis, Minn.
Peacock Brothers, 285 Beaver Hall Hill, Montreal, Canada.
Mr. S. D. Merton, 1548 Pierce bldg. St. Louis, Mo.
Mr. W. E. Cox, 629 Union Trust bldg, Cincinnati, Ohio.
Mr. Chas. Gruneberg, 2741 Perdio st., New Orleans, La.
P. I. Perkins Co., 141 Milk, Boston, Mass.
H. F. Lyon Company, 24 California st., San Francisco, Cal.
Power Equipment Co., 901 Lewis bldg, Portland, Ore.
FACTORY:
Bethlehem, Pa.
SALES REPRESENTATIVES IN FRANCE:
Richardson Freres, 36 Rue de l'Universite, Lyons, France

**SARGENT AND GREENLEAF, INC.....872**
Rochester, N. Y.

**SAUERMAN BROS.....555**
1138 Monadnock blk, Chicago, Ill.

**SCAIFE, WM. B. & SONS CO.....587, 1579 & 1625**
1st Nat'l Bank bldg, Pittsburgh, Pa.
BRANCH OFFICES:
Chicago—38 S. Dearborn
New York—26 Cortlandt
WORKS:
Oakmont, Pa.

**SCALBOM MFG. CO.....1697**
11-17 Desplaines, Chicago, Ill.

**SCHAEFFER & BUDENBERG MFG. CO...659 & 1678**
Berry & So. 5th, Brooklyn, N. Y.
BRANCH OFFICES:
Chicago, Ill.—427 S Dearborn
Philadelphia, Pa.—Manhattan bldg
Pittsburgh, Pa.—519 Wood
Washington, D. C.—705 Ouray bldg
St. Louis, Mo.—Chemical bldg
Los Angeles, Cal.—716 S. Hill.
San Francisco, Cal.—505 New Call bldg
Toronto, Ont.—32 Front, West.



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**SCHAFFER ENGINEERING & EQUIPMENT CO.1005**
Peoples Bank bldg, Pittsburgh, Pa.
Tiffin, O.

**SCHEEL, WM. H.....1706**
159 Maiden lane, New York

**SCHIMPER, WM. & CO.....1171**
FACTORY:
322-338 Ferry, Hoboken, N. J.
SALES OFFICE:
33 Union sq., New York

**SCOVILL MFG. CO.....1545**
Waterbury, Conn.
BRANCH OFFICES:
Boston—10 High
Chicago—224 W. Lake
Cleveland—Leader-News bldg
Detroit—68 Larned, West
New York—280 Broadway
Philadelphia—Penna. bldg
Rochester—Chamber of Commerce bldg

**SCRANTON FORGING CO.....617**
Scranton, Pa.

**SEARLES ELECTRIC WELDING WKS.....1797**
817 W. Washington blvd, Chicago, Ill.

**SEEGAR MACHINE TOOL CO.....1013**
34 S. Forsyth, Atlanta, Ga.

**SENECA WIRE & MFG. CO.....1814 & 1829**
Fostoria, O.

**S. E. T. VALVE & HYDRANT CO.....648**
56 Church, New York
BRANCH OFFICE:
Phila., Pa.—Commercial Trust bldg

**SHELTON TACK CO.....1620**
Shelton, Conn.

**SHEPARD ELECTRIC CRANE & HOIST CO.,**
**438 & 763**
Montour Falls, N. Y.
BRANCHES:
Baltimore, Md.—Lexington bldg
Boston, Mass.—161 Summer
Cleveland, O.—12429 Cedar rd
Chicago, Ill.—People's Gas bldg
Detroit, Mich.—J. W. Dopp & Co., 18 Columbia, West
New York—Hudson Terminal
Philadelphia, Pa.—Bulletin bldg
Pittsburgh, Pa.—Union Arcade bldg
San Francisco, Cal.—16 California

**SHUSTER, F. B. CO.....1009**
Cedar Hills, New Haven, Conn.

**SIMMONS, JOHN CO.....1553**
110 Center, New York

**SIMONDS MFG. CO.....1440**
Fitchburg, Mass.
WORKS
Chicago, Ill.—17th & Western av.
Fitchburg, Mass.
Lockport, N. Y. (Steel Mill)
Montreal, Que.—St. Remi & Acorn av.
BRANCH OFFICES:
Chicago, Ill.—17th & Western av
Memphis, Tenn.—209 Madison av
New Orleans, La.—420 Canal
New York—90 W. B'way
Portland, Ore.—85 1st
San Francisco, Cal.—12 Natoma
Seattle, Wash.—402 Occidental av
FOREIGN OFFICES:
London, E. C., Eng.—8 White, Moorfields
Montreal, Que.—St. Remi & Acorn av
St. John, N. B.—55 Water
Vancouver, B. C.—554 Beatty

**SINTERING MACHINERY CORP.....1504**
Netcong, Morris County, N. J.

**SLEEPER & HARTLEY (INC.).....964, 996 & 1528**
335 Chandler, Worcester, Mass.
FOREIGN AGENTS & REPRESENTATIVES:
Great Britain—Mr. Fred'k A. Perry, Ormond House, 63 Queen Victoria st., London, E. C., 4
France, Belgium, Switzerland—Mr. Edgar Bloxham, 12 Rue Du Delta, Paris, & Grand Central Terminal bldg, New York
Sweden and Finland — Rylander & Asplund, Stockholm
Italy—Messrs. Henry Coe & Clerici, via Montebello 34, Milan, & 68 Broad, New York
Spain—American Machinery Syndicate, Calle Cortes 547 Barcelona, Spain, & 35 W. 39th, New York
Australia—Messrs. Edwin Wood, Pty., Ltd., 231 Elizabeth, Melbourne
South and Central America, Mexico, West Indies, Japan, China, Philippines, New Zealand, Hawaii, Union of South Africa and Portugal—American Steel Export Co., New York

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**SMITH, F. P., WIRE & IRON WORKS**.....799
2340 Clybourn av, Chicago, Ill.
**SMITH AND HEMENWAY CO., INC.**
116, 460, 1276 & 1438
261 Broadway, New York
**SMITH, S. MORGAN CO**.....1737
York, Pa.
BRANCH OFFICES:
Boston, Mass.—176 Federal
Chicago, Ill.—76 West Monroe
Montreal, P. Q.—405 Power bldg
Portland, Ore.—324 Pine
Salt Lake City, Utah—319 Kearns
San Francisco, Cal.—461 Market
Seattle, Wash.—Pacific blk
**SNOW, ALBERT E. & CO**.....1458
252 Broadway, New York
**SOULE, EDWARD L. CO**.....1573
Rialto bldg, San Francisco, Cal.
**SOUTHERN ARCHITECT AND BUILDING. NEWS**
27, 30, 366 & 370
Atlanta, Ga.
**SPAULDING, J. & SONS CO., INC**.....581, 666 & 796
P. O. Box 52, Tonawanda, N. Y.
**SPECIAL SERVICE FLOORING CORP**.....605
Grand Central Terminal, New York
**SPEIDEL, JOHN G**.....524
Reading, Pa.
**SPINKS, WM. A. & CO**.....299
362 W. Erie, Chicago, Ill.
**SPRAY ENGNG. CO**...198, 409, 855, 966, 973, 996, 1121, 1171, 1172, 1288, 1534, 1602, 1623 & 1784
93 Federal, Boston, Mass.
**SPRINGFIELD FACING CO**.....350
315 Main, Springfield, Mass.
**STACEY, EUGENE C**.....114
Tiffin, Ohio
**STANDARD MANUFACTURING & SUPPLY CO**..649
30 North 4th, Philadelphia, Pa.
**STANDARD PAPER MFG. CO**.....1224
Richmond, Va.
SALES OFFICES:
New York—140 Nassau
**STANDARD SCALE & SUPPLY CO**.....1444
Pittsburgh, Pa.—1631 Liberty av
BRANCH OFFICES:
Baltimore—409 N. Gay
Chicago—163-171 N. May
Cleveland—1547 Columbus rd
New York—145 Chambers
Philadelphia—523 Arch
**STANDARD STAMPING AND DIE CO**.....1546
153 33rd, Brooklyn, N. Y.
**STANDARD STEEL & WIRE CO**.....1563
549 W. Washington blvd., Chicago, Ill.
**STANLEY WORKS**.....725
GENERAL OFFICES & FACTORY:
New Britain, Conn.
BRANCH OFFICES:
Chicago, Ill.—73 East Lake
New York—100 Lafayette
FACTORIES:
Bridgewater, Mass.
Niles, Ohio
**STANNARD MFG. CO**.....145
371 Allen, Springfield, Mass.
**STAR BRASS WORKS**.....996
3129 Carroll av, Chicago, Ill.
**STAR EXPANSION BOLT CO**.....22, 146 & 151
145 Cedar, New York
REPRESENTATIVE:
Chicago—H. H. Munger, 120 W. Lake
**STAR SPECIALTY MFG. CO**.....698
227-233 W. Erie, Chicago, Ill.
**STARRETT, L. S., CO**.....1436
Athol, Mass.
BRANCH OFFICES:
Chicago, Ill.—17 N Jefferson
New York—90-92 W. B'way
FOREIGN OFFICE:
London, Eng.—36-37 Upper Thames, E. C.
**STEARNS, A. T. LUMBER CO**.....1646
100 Taylor, Boston, Mass.
**STEELE, J. C. & SONS**.....924
Statesville, N. C.
**STERLING WHEELBARROW CO**.....82 & 602
West Allis, Wis.
**STEVENS FREDERIC B**.....519 & 624
Larned & 3rd, Detroit, Mich.
**STEVENSON MFG. CO.**
211, 236, 494, 715, 783, 1151 & 1833
South Bend, Ind.
**STILES, H. A. & CO**.....526 & 719
97 Oliver, Boston, Mass.

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**STINE SCREW HOLES CO**.....1457
Waterbury, Conn.
**STOW MFG. CO.**.....1696
Binghamton, N. Y.
**STRATTON & BRAGG CO., INC**.....355
Petersburg, Va.
**STROBL MFG. CO**.....1802
410 N. Western av, Chicago, Ill.
**STROMBERG-CARLSON TELEPHONE MFG. CO** 1656
Rochester, N. Y.
BRANCH OFFICES:
Chicago, Ill.—710 W. Jackson blvd.
Kansas City, Mo.—Coco-Cola bldg.
Toronto, Can.—35 McCaul
**STRONG MACHINERY & SUPPLY CO**.....1201
21 Walker, New York
**STUEBNER, G. L. IRON WORKS**.....200
Queensboro Terminal, Long Island City, N. Y.
**SWEDISH STEEL & IMPORTING CO., LTD**....1580
130 Pearl, New York
**SWEENEY & GRAY CO**.....54
81-85 6th, Long Island City, N. Y.
**SWISHER, R. D. MFG. CO**.....1548
415 S. Clinton, Chicago, Ill.

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**TEETSOW BEARINGS CO., INC**.....94
154 Nassau, New York
**TEXAS CO.**.....881
17 Battery pl., New York.
**TEXTILE WORLD JOURNAL**.....1610, 1660 & 1843
(Bragdon, Lord and Nagle Co., pub.), 334 4th av, New York
**THERMOID RUBBER CO**.....170 & 820
FACTORY AND MAIN OFFICE:
Trenton, N. J.
BRANCHES:
New York—250 W. 54th
Philadelphia, Pa.—305 Bulletin bldg.
Boston, Mass.—126 Massachusetts av.
Atlanta, Ga.—125 Auburn av.
Cleveland, O.—1302 Swetland bldg, Euclid av.
Chicago, Ill.—1907 S. Michigan av.
Detroit, Mich.—707 Kresge bldg.
San Francisco, Cal.—48 Beale
**THOMASVILLE IRON WORKS, INC**.....1144
Thomasville, Ga.
**THOMSON WOOD FINISHING CO**.....1218
329 N. 3rd, Philadelphia, Pa.
**THROPP'S, JOHN E. SONS CO**.....983
Ft. of Lewis, Trenton, N. J.
FOREIGN REPRESENTATIVES:
Manchester, Eng.—Francis Shaw & Co., Ltd.
Moulins Sur Allier, France—Peter Chevalier.
**TITCHENER-DIEHL CO**.....1828
1844-48 W. Austin av, Chicago, Ill.
**TOLEDO BRIDGE & CRANE CO**.....435
2500 Dorr, Toledo, O.
**TOLEDO METAL MANUFACTURERS CO**.....1642
Michigan, Toledo, O.
**TORRINGTON CO.**.....999
Excelsior Plant (successors to Excelsior Needle Co.), Torrington, Conn.
DISTRIBUTING AGENTS:
Boston, Mass.—121 Beach, Sewing Machine Supplies Co.
Chicago, Ill.—19 W. Jackson blvd., Foley-Williams Mfg. Co.
New York, N. Y.—140 W. 22nd, C. B. Barker & Co., Ltd.
Phila., Pa.—1328 Cherry, Manufacturers Supplies Co.
San Francisco, Cal.—682 Mission, C. Shawl.
FOREIGN:
Buenos Aires, Rep. Arg., S. A.—Los Fabricantes Unidos, 964 Calle Belgrano.
Coventry, Eng.—Coventry Swaging Co., Ltd., White Friars Lane.
City of Mexico, Mexico—J. C. Bush, Ave. San Francisco No. 29.
London, Eng.—American Supplies Co., 6 City Road.
Paris, France—Soc. Anme. des Etabs.-Fenwick Freres & Co., 8 Rue de Rocroy.
Tokyo, Japan—Andrews & George Co., 16 Takega Wacho, Kiobashiku.
**TOWNSEND FOUNDRY & MACHINE SHOP CO**..263
Broadway & Rensselaer, Albany, N. Y
**TRAYLOR ENGNG. & MFG. CO**.....1333
Allentown, Pa.
**TREADWELL ENGNG. CO.**
271, 277, 981, 995, 1137 & 1404
Easton, Pa.

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**TRUMPBOUR-WHITEHEAD BRASS & COPPER CO.** ..... 412 & 1732
307-311 Canal, New York.
43 No. Seventh, Philadelphia, Pa.

**TWIN-O-MATIC MACHINE & TOOL CO., INC.** ... 995
160-168 John, Brooklyn, N. Y.

**TYLER, W. S. CO.** ..... 803 & 1817
Cleveland, O.
BRANCH OFFICES:
Boston, Mass.—68 Devonshire st.
Chicago, Ill.—554 McCormick bldg.
New York—200 5th av
Johannesburg, So. Africa.

## U

**UNION ASBESTOS AND RUBBER CO.** ..... 1197
231 S. Wells, Chicago, Ill.

**UNION INSULATING AND CONSTRUCTION CO.** 794
20 W. Jackson blvd., Chicago, Ill.

**UNION MFG. CO.** ..... 310
300 Church, New Britain, Conn.
BRANCH OFFICE:
New York—26 Cortlandt

**UNION PAPER AND TWINE CO., THE** .. 1411 & 1706
125 St. Clair av, N W, Cleveland, O.
BRANCH OFFICES:
Buffalo, N. Y.—538 Brisbane bldg
Detroit, Mich.—67-99 East Fort

**UNION SPRING AND MFG. CO.** ..... 1528
Fulton bldg., Pittsburgh, Pa.

**UNITED ALLOY STEEL CORP.** ..... 1557
Canton, Ohio.

**U. S. CHAIN & FORGING CO.** ..... 290
Union Arcade, Pittsburgh, Pa.

**U. S. ELECTRICAL TOOL CO.** ..... 498
549 W. Washington blvd, Chicago, Ill.

**U. S. ELECTRICAL TOOL CO.** ..... 1699
Cincinnati, Ohio.

**U. S. EXPANSION BOLT CO.** ..... 144
25 Elm, New York

**UNITED STATES GAUGE CO.** ..... 659
37-39 Liberty, New York.

**U. S. INDESTRUCTIBLE CASKET CO.** ..... 652
Fulton & Church, New York

**U. S. TENT AND AWNING CO.** ..... 1658
227 N. Desplaines, Chicago, Ill.

**UPSON CO.** ..... 1783
Lockport, N. Y.

**UP-TO-DATE TOOL CO.** ..... 995
81 Wareham, Boston, 18, Mass.

## V

**VALVE BAG CO. OF AMERICA** ..... 70
3431 Summit av, Toledo, Ohio

**VAUGHN MACHINERY CO.** ..... 983 & 1007
Cuyahoga Falls, Ohio.

**VILTER MFG. CO.** ..... 535
1046 Clinton, Milwaukee, Wis.

**VITREOUS ENAMELING CO.** ..... 1222 & 1599
6800 Grant av, Cleveland, O.

**VITROLITE CO.** ..... 1778
Chamber of Commerce bldg, Chicago, Ill.

## W

**WALDEN-WORCESTER, INC.** ..... 1841
475 Shrewsbury, Worcester, Mass.
BRANCH OFFICES:
Chicago, Ill.—452 Monadnock bldg.
New York—295 Broadway
San Francisco, Cal.—487 Monadnock bldg.

**WALRAVEN CO., THE** ..... 915
36-38 W. Alabama, Atlanta, Ga.

**WARD'S, EDGAR T. SONS CO.** ..... 1574 & 1734
44-54 Farnsworth, Boston, Mass.
Chicago, Ill.—3604 S. Morgan.
Newark, N. J.—394 Frelinghuysen av.
New York—304 Hudson.
Phila., Pa.—16th & Indiana av.

**WARD'S, EDGAR T. SONS CO.** ..... 1567
304 Hudson, New York.
BRANCH OFFICES & WAREHOUSES:
Brooklyn, N. Y.—260 W 49th, bet. 1st and 2nd avs, 1455 W. 37th
Newark, N. J.—394 Frelinghuysen av.
Boston, Mass.—44 Farnsworth.
Phila., Pa.—16th & Indiana av.
Chicago, Ill.—1455 W. 37th.
Detroit, Mich.—660 W. Fort
BRANCH SALES OFFICES:
Pittsburgh, Pa.—Frick bldg.
Cleveland, O.—1316 Citizens bldg.
Milwaukee, Wis.—505 First Natl. Bank bldg.

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**WARNER ELEVATOR MFG. CO.** ..... 522
Spring Grove av, Alfred & Valley, Cincinnati, O.
BRANCH OFFICES:
Atlanta, Ga.—39½ S. Broad.
Baton Rouge, La.—233 Main
Birmingham, Ala.—209 N. 22d
Chattanooga, Tenn.—19-21 W. Main.
Cleveland, O.—314 Sloan bldg., 819 Prospect av.
Dayton, O.—108 Greene
Detroit, Mich.—12-14 Maple.
Indianapolis, Ind.—804 Fidelity Trust bldg
Jacksonville, Fla.—Atlantic National Bank bldg.
Knoxville, Tenn—622 Asylum av
Little Rock, Ark.—404 W. 19th.
Macon, Ga.—359 3rd
Mobile, Ala.—66 St. Michael
Nashville, Tenn.—129 No. 3rd av
New York—113 Warren
Pittsburgh, Pa.—1410 Keenan bldg.
Savannah, Ga.—10 Abercorn
Tacoma, Wash.—918 Commerce.
Washington, D. C.—8th & Water. S W

**WARREN PRODUCTS CO., INC.** ..... 304
265 Canal, New York

**WARREN TOOL & FORGE CO.** 760, 1106, 1251, 1507, 1776 & 1796
Warren, O.

**WASSON PISTON RING CO.** ..... 1391
Plainfield, N. J.
SALES AGENTS:
New York—Lake Sales Co., 1947 Broadway
Minneapolis, Minn.—Lucke Sales & Engng. Co.
Dayton, O.—C. Allen Fulmer, Burkhardt & Garland avs
Chicago, Ill.—J. C. McCarthy, 431 S. Dearborn

**WATERBURY BUTTON CORP.** ..... 1544
831 S. Main, Waterbury, Conn.

**WATERBURY STEEL BALL CO.** ..... 75
Waterbury, Conn.
BRANCH OFFICES:
New York, N. Y.—83 Gold
Chicago, Ill.—Acme Manufacturers' Sales Corp., 1410 S. Mich.

**WATSON-STILLMAN CO.** ..... 813, 955 & 1312
38 Church, New York

**WAVERLY OIL WORKS CO.** ..... 882
Pittsburgh, Pa.

**WAXHAM LIGHT CO.** ..... 843
318 W. 46th, New York

**WEBB ELECTRIC FURNACE CORP.** ..... 632
42 Church, New York.

**WEBB MFG. CO.** ..... 1474
Newark, N. J.—245-247 N. J. R. R. av

**WEBSTER MFG. CO.** ..... 943
4500-60 Cortland, Chicago, Ill.
BRANCH OFFICES:
Tiffin, O.—1817 McCormick bldg
New York—90 West st
Boston, Mass.—902 Oliver bldg.
Cincinnati, O.—1912 Union Central bldg
Cleveland, O.—601 Swetland bldg
Philadelphia, Pa.—118 Commercial Trust bldg
AGENCIES AND REPRESENTATIVES:
*Atlanta, Ga.—Fulton Supply Co., 86 Marietta st
Birmingham, Ala.—G. R. Mueller, Brown-Marx bldg
*Buffalo, N. Y.—Hancock Engineering Corp., 68-80 Washington st
Chattanooga, Tenn.—R. R. Nixon, 703 James bldg
Columbus, O.—P. W. Holstein, 235 16th av
Denver, Colo.—C. L. Dean, 1718 California av
*Detroit, Mich.—Palmer-Bee Co., Grand blvd
Knoxville, Tenn.—Webster & Co., Holston Bank bldg
*Louisville, Ky.—E. D. Morton & Co., 516 W. Main st
Milwaukee, Wis.—William Glasman, Wells bldg
New Orleans, La.—W. S. Launstein, 404 Canal st
Philadelphia, Pa.—W. V. Duke, 118 Commercial Trust bldg
Pittsburgh, Pa.—Dempcy-Degener Co., 307 Fourth av
Salt Lake City, Utah—Galigher Machinery Co.
Salt Lake City, Utah—L. W. Mendenhall, P. O. Box 949
San Francisco, Cal.—L. E. Sperry, Rialto bldg
*Seattle, Wash.—Brinkley Supply Co., 546 First av South
CANADIAN AGENCY:
*Vancouver, B. C.—B. C. Equipment Co., Bank of Ottawa bldg


* These carry stocks of Standard Equipment.

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**WELD-WIRE CO.** .....1831
395 Christopher av, Brooklyn, N. Y.

**WELLMAN-SEAVER-MORGAN CO.** .....933
E. 70th & Central av., Cleveland, O.

**WERBY, A. & CO.**.....1158
47 Beverly, Boston, Mass.

**WERTHAN BAG CO**.....71
70 Dock, St. Louis, Mo.

FACTORIES:
St. Louis
Houston
Nashville
WAREHOUSES:
Minneapolis
Grand Rapids
Denver
New York
Dallas

**WESTERN GLASS CO**.....684
Streator, Ill

**WESTERN METAL PRODUCTS CO**.....1120 & 1816
731-33 N. Wells, Chicago, Ill.

**WESTERN PACKING AND SUPPLY CO**..1201 & 1204
231 N. Wells, Chicago, Ill.

**WESTINGHOUSE ELECTRIC & MFG. CO**.....513
East Pittsburgh, Pa.

DISTRICT SALES OFFICES:
Albany, N. Y.—414 Journal bldg
Atlanta, Ga.—Candler bldg
Baltimore, Md.—Westinghouse bldg
Birmingham, Ala.—Brown-Marx bldg
Bluefield, W. Va.—Law and Commerce
Boston, Mass.—Rice bldg
Buffalo, N. Y.—Ellicott sq
Butte, Mont.—Montana Electric Co. bldg.
Charleston, W. Va.—Kanawha Nat'l Bk. bldg.
Charlotte, N. C.—Commercial Bank bldg
Chattanooga, Tenn.—Hamilton National Bank bldg
Chicago, Ill.—Conway bldg
Cincinnati, O.—Traction bldg
Cleveland, O.—Swetland bldg
Columbus, O.—Interurban Terminal bldg
Dallas, Tex.—W. E. & M. Co. of Texas—Cotton Exchange bldg
Dayton, O.—Reibold bldg.
Denver, Colo.—Gas & Electric bldg
Des Moines, Iowa—608 Securities bldg.
Detroit, Mich.—Dime Savings Bank bldg
Duluth, Minn.—Alworth bldg.
El Paso, Tex.—W. E. & M. Co. of Texas, Mills bldg
Honolulu, T. H.—Hawaiian Elec. Co., Ltd.
Houston, Tex.—Union National Bank bldg
Indianapolis, Ind.—Traction Term. bldg
Joplin, Mo.—Miner's Bk. bldg.
Kansas City, Mo.—Orear-Leslie bldg
Los Angeles, Cal.—I. N. Van Nuys bldg
Louisville, Ky.—Paul Jones bldg
Memphis, Tenn.—Exchange bldg
Milwaukee, Wis.—First National Bank bldg
Minneapolis, Minn.—Met. Life Ins. bldg
New Orleans, La.—Maison Blanche bldg
New York—City Investing bldg
Niagara Falls, N. Y.—324 Gluck bldg
Philadelphia, Pa.—Widener bldg
Pittsburgh, Pa.—Union Bank bldg
Portland, Ore.—Northwestern Bank bldg
Rochester, N. Y.—Chamber of Commerce bldg
St. Louis, Mo.—300 N B'way
Salt Lake City, Utah—Walker Bank bldg
San Francisco, Cal—1 Montgomery
Seattle, Wash.—Alaska bldg
Syracuse, N. Y.—University bldg
Toledo, O.—Ohio bldg
Tucson, Ariz.—
Washington, D. C.—Hibbs bldg
Wilkes-Barre, Pa.—Miners Bank bldg

SERVICE DEPT. REPAIR SHOPS:
Atlanta, Ga.—Mangun & Markham
Boston, Mass.—37 Wormwood
Buffalo, N. Y.—6-8 Lock
Chicago, Ill.—32 S Peoria
Los Angeles, Cal.—2026 Bay
New York—528 W 25th
Philadelphia, Pa.—214-220 N 22d
Pittsburgh, Pa.—Amberson av & P. R. R., & East Liberty P. O.
San Francisco, Cal.—1400 4th
Seattle, Wash.—560 First av, S

EXPORT DEPARTMENT:
Export Sales Offices: 165 Broadway, New York
Bolivia, Chili, S. A.—J. K. Robinson, Iquique, Chili
Japan—Takata & Co., Tokio

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Mexico—Compania Ingeniera, Importadora y Contratista, S. A., City of Mexico (Succ. to G. & O. B. Braniff & Co.)
Brazil, S. A.—F. H. Walter & Co., Rio de Janeiro (For Northern Brazil) Byington & Co., Sao Paulo (for Southern Brazil)
Colombia, S. A.—Vincente B. Villa, Medellin
Porto Rico, West Indies—Porto Rico Railway, Light & Power Co.. San Juan, Porto Rico
Costa Rica, C. A. } Purdy Engineering Co.,
Nicaragua, C. A. } San Jose, Costa Rica
Havana, Cuba—Westinghouse Elec. & Mfg. Co., 520 Nat'l Bank of Cuba bldg
Petrograd, Russia—Russian Elec. Dynamo Co. for European & Asiatic Russia
Salvador, C. A.—W. C. McEntee, Santa Ana

FOREIGN COMPANIES:
Hamilton, Ont., Can.—Canadian Westinghouse Co. (Ltd.)
Kristiania, Norway—Westinghouse Norsk Elektrisk Aktieseiskap—Prinsens, Gate 21 (For Norway & Sweden)
London, W. C., Eng.—Westinghouse Electric Co. (Ltd.), Norfolk st, Strand
Manchester, Eng.—British Westinghouse Electric & Mfg. Co. (Ltd.) (For the United Kingdom & her Colonies, except Canada, Germany, Austria & Russia)
Paris, France—Societe Anonyme Westinghouse. (For France, Belgium, Spain, Holland, Switzerland, Portugal, their Colonies & Counties under their Protectorate.)
Vado Ligure, Italy—Societa Italiana Westinghouse. (For Italy)

**WETHERELL BROS. CO**.....1564 & 1571
251 Albany, Cambridge, Mass.

**WETTERWALD & PFISTER CO**.....24
276 Spring, New York

**WHEELER CONDENSER & ENGINEERING CO.** 362, 552, 1334, 1354, 1707 & 1732
Carteret, N. J.

BRANCH OFFICES:
Atlanta, Ga.—Third Natl. Bank bldg
Boston, Mass.—141 Milk
Charlotte, N. C.—406 Commercial Bank bldg
Chicago, Ill.—First National Bank bldg
Cincinnati, O.—901 Fourth Nat'l Bank bldg
Denver, Colo.—1718 California
New Orleans, La.—1103 Hennen bldg
New York—2406 Singer bldg
Philadelphia, Pa.—1310 Land Title bldg
Pittsburgh, Pa.—1336 Oliver bldg
St. Louis, Mo.—1251 Pierce bldg
San Francisco, Cal.—Sheldon bldg

FOREIGN OFFICES:
London, Eng.—Westinghouse bldg
Melbourne, Australia—31 Queen
Havana—26 O'Reilly
Shanghai, China—4 Yuen Ming Yuen Road
Yokohama, Japan—No. 42 Yamashita Cho

**WHITEHEAD METAL PRODUCTS CO**....412 & 1732
67-73 Washington St., North, Boston, Mass.

**WHITMAN & BARNES MFG. CO**.....502 & 1373
Akron, O.

GENERAL OFFICES:
Akron, O.

SALES OFFICES:
Chicago, Ill.—565 W. Washington.
New York—64 Reade.

EXPORT REPRESENTATIVE:
New York—A. J. Barnes, 90 West.

EUROPEAN OFFICE:
London, Eng.—139 Queen Victoria, E. C.

FACTORIES:
Akron, O.
Chicago, Ill.
St. Catherine, Ont., Can.

**WHITON, D. E. MFG. CO**..... 312
New London, Conn.

**WICKWIRE SPENCER STEEL CORP.** 1812, 1819 & 1825
Worcester, Mass.
Buffalo, N. Y.—

BRANCH OFFICES:
Boston, Mass.—256 Franklin
Chicago, Ill.—33 W. Austin av
New York, N. Y.—120 Broadway
Philadelphia, Pa.—410 Commerce
San Francisco, Cal.—111 Townsend
Tulsa, Okla.—Mayo bldg.

**WILCOX, CRITTENDEN & CO., INC.**15, 257, 597 & 645
Middletown, Conn.

**WILLIAMS & CO. (INC.)**....273, 1116, 1169, 1398, 1492, 1730, 1731, 1732, 1733 & 1822
901-937 Pennsylvania av., N. S., Pittsburgh, Pa. 2571

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**WILLIAMS, C. K. & CO.** ..... 345
Easton, Pa.
BRANCH OFFICES:
Allentown, Pa.
Fleetwood, Pa.
Mineral Point, Mo.
Ontario, N. Y.

**WILLIAMS FOUNDRY & MACHINE CO.,** 416, 1152, 1312, 1317, 1692 & 1779
Akron, Ohio

**WILLIAMS HARDWARE CO** ..... 684
Williams bldg., Streator, Ill.

**WILLIAMS, J. H., & CO.** 147, 317, 485, 616, 617, 773, 1700, 1778, 1838 & 1839
31 Richards, Brooklyn, N. Y.
DOMESTIC & FOREIGN BRANCHES:
Plants: Brooklyn and Buffalo, N. Y.
General Offices: 31 Richards, Brooklyn, N. Y.
Detroit Office: 403 Vinton bldg.
Export Office: 31 State, New York City.
Pacific Coast Representative: M. Howard, Monadnock bldg, San Francisco, Cal.
Western Office & Warehouse: 31 S. Clinton, Chicago, Ill.

**WILMINGTON FIBRE SPECIALTY CO** ..... 581
Wilmington, Del.
BRANCH OFFICES:
Boston, Mass.—125 Kimball bldg
Chicago, Ill.—614 W Adams
Cleveland, O.—836 New Guardian bldg
Denver, Col.—Mint blk
Detroit, Mich.—1023 Ford bldg
Los Angeles, Cal.—San Fernando bldg
New Haven, Conn.—Room 222, First Natl. Bank bldg.
New York—36 Warren st
Salt Lake City, Utah—1015 New House bldg
Seattle, Wash.—2118 Smith bldg
San Francisco, Cal.—504 Underwood bldg
FOREIGN BRANCHES:
Montreal, Can.—127 Nazareth st
Toronto, Ont., Can.—509 Kent bldg

**WILMINGTON IRON WORKS, INC** ..... 947
Wilmington, N. C.

**WILSON, ANDREW CO** ..... 871
616 Essex, Lawrence, Mass.

**WILSON BROS.** ..... 1138
Easton, Pa.

**WILSON, J. G. CORP.** ..... 493 & 1495
8 W. 40th, New York

**WILSON MACHINERY CO** ..... 470
301-331 W. 35th, Chicago, Ill.

**WISCONSIN ELECTRIC CO** ..... 499, 700 & 1158
1600 Junction av, Racine, Wis.

**WOODHOUSE, WM. CHAIN MFG. CO** ..... 289
Edgely, Bucks Co., Pa.

**WORCESTER PRESSED STEEL CO,** 1547, 1563 & 1564
Worcester, Mass.

**WORTENDYKE MFG. CO** ..... 1232
Richmond, Va.

**WORTHINGTON PUMP & MACHINERY CO.** 1328 & 1329
115 Broadway, New York
Worthington Works, Harrison, N. J.
A. B. Jennings, Works Manager.
Blake & Knowles Works, East Cambridge, Mass.
Mr. George P. Aborn, Works Manager
Deane Works, Holyoke, Mass.
Mr. C. L. Newcomb, Works Manager
Snow-Holly Works, Buffalo, N. Y.
Mr. Geo. C. Forgeot, Works Manager.
Laidlaw Works, Elmwood Place, Cincinnati, Ohio
Janesville Works, Hazleton, Pa.
Mr. Wm. Goodman, Works Manager.
Power & Mining Machinery Works, Cudahy, Wis.
Mr. John D. Bird, Works Manager
Ingeco Engine Works, Cudahy, Wis.
Mr. W. H. Day, Sales Manager.
BRANCH OFFICES:
Atlanta, Ga., A. W. Jones, 435 Trust Co. of Georgia bldg
Birmingham, Ala., Ed. Stauvermann, Am. Trust & Savings Bank bldg
Boston, Mass., C. B. Moore, 465 John Hancock bldg
Buffalo, N. Y., D. A. Acer, 707 Iroquois bldg
Chicago, Ill., H. E. Troutman, 820 Old Colony bldg
Cincinnati, Ohio, G. W. Galbraith, 1503 First National Bank bldg
Cleveland, Ohio, R. G. Backus, 304-8 Rockefeller bldg
Detroit, Mich., Henry Laidlaw, 839-40 Majestic bldg
New York, N. Y., W. S. Montgomery, 115 B'way
Philadelphia, Pa., T. C. McBride, 1516 North American bldg
Pittsburgh, Pa., R. L. Radcliffe, 497 Oliver bldg.
St. Paul, Minn., C. W. Tubby, 613 Merchants' National Bank bldg
Seattle, Wash., C. H. Hills, 203 Maynard bldg
Tulsa, Okla., R. W. Arns, 123 W. First
Omaha, Neb., 1007 Farnum
Washington, D. C., Paul B. Fenlon, 426 Homer bldg, 13th & F, N. W.
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